



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 17, 2021

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

RE: **EM-VER-146-210819** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 777 Talcottville Road, Vernon, Connecticut.

Dear Mr. Coleman:

The Connecticut Siting Council (Council) is in receipt of your correspondence of November 16, 2021, submitted in response to the Council's October 4, 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,

A handwritten signature in dark ink, appearing to read "Melanie Bachman".

Melanie Bachman
Executive Director

MAB/CMW/laf

From: John Coleman <jcoleman@clinellc.com>

Sent: Tuesday, November 16, 2021 2:48 PM

To: CSC-DL Siting Council <Siting.Council@ct.gov>

Subject: EM-VER-146-210819 / VZW Exempt Modification filing / Vernon CT 6 (302529 /13668989) / Vernon 3 CT / 468776 / Correction Filing

EXTERNAL EMAIL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

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 777 Talcottville Road, Vernon, CT monopole tower facility Vernon 3 CT in Vernon.

Attached

- EM-VER-146-210819
- 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 16, 2021

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

RE: EM-VER-146-210819 – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 777 Talcottville Road, Vernon, 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. Original Facility Approval from CSC Website
2. Proof of mailing and delivery confirmation to Chief Elected Official: Mayor, Daniel A. Champagne.
 - a. UPS Label: 1Z9Y45030313952167
 - b. Delivery Confirmation.
3. Proof of mailing and delivery confirmation to Zoning Official: Andrew Marchese.
 - a. UPS Label: 1Z9Y45030304387170
 - b. Delivery Confirmation.
4. Proof of mailing and delivery confirmation to Property Owner: 777 Realty LLC
 - a. UPS Label: 1Z9Y45030301824185
 - b. Delivery Confirmation.
5. The Original Filing sent to the CSC on 8/13/2021 – Notice of Exempt Modification // Site: VERNON 3 CT (ATC: 302529) 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

DOCKET NO. 58

AN APPLICATION OF HARTFORD CELLULAR
COMPANY FOR A CERTIFICATE OF
ENVIRONMENTAL COMPATIBILITY AND PUBLIC
NEED FOR THE CONSTRUCTION, MAINTENANCE,
AND OPERATION OF FACILITIES TO PROVIDE
CELLULAR SERVICE IN HARTFORD, TOLLAND AND
MIDDLESEX COUNTIES.

CONNECTICUT SITING

COUNCIL

July 11, 1986.

D E C I S I O N A N D O R D E R

Pursuant to the foregoing opinion, the Connecticut Siting Council (Council) hereby directs that a Certificate of Environmental Compatibility and Public Need as provided by Section 16-50k of the General Statutes of Connecticut (CGS) be issued to the Hartford Cellular Company for the construction, maintenance, and operation of cellular mobile phone telecommunication towers and associated equipment in the towns of Glastonbury, Haddam, Hartford, Portland, Rocky Hill, Somers, Vernon, Windsor, and Willington subject to the conditions below.

1) The proposed Bloomfield and Middlefield sites are rejected without prejudice.

2) The antennas on the Glastonbury tower shall be mounted no higher than the 180' level of this existing tower.

3) The Portland and Rocky Hill towers shall be monopoles.

4) The towers shall be no taller than necessary to provide the proposed service, and in no event shall exceed total heights, including antennas, of

a) 193' at the Haddam site;

b) 173' at the Portland site;

- c) 153' at the Rocky Hill site;
- d) 173' at the Somers site;
- e) 173' at the Vernon site;
- f) 153' at the Willington site;
- g) 173' at the Windsor site.

5) The Hartford site receive antennas shall be mounted below the top of the high point of the building to preclude visibility.

6) Any future actions requiring the removal of the existing Glastonbury tower to be shared by the certificate holder shall also apply to the equipment mounted on that tower by the certificate holder, regardless of that equipment's status under Chapter 277a of the CGS.

7) The certificate holder shall submit a development and management (D&M) plan for the Haddam, Portland, Rocky Hill, Somers, Vernon and Windsor sites pursuant to Sections 16-50j-75 through 16-50j-77 of the Regulations of State Agencies (RSA), except that irrelevant items in Section 16-50j-76 need only be identified as such. In addition to the requirements of Section 16-50j-76, the D&M plan shall provide plans for evergreen screening around the fenced perimeter at the Haddam, Somers, Vernon, and Windsor sites. The D&M plan shall include a proposal for painting the approved monopole structures to blend with the sky. The D&M plan must be approved prior to facility construction. Any changes to specifications in the D&M plan must be approved by the Council prior to facility operation.

8) All certified facilities shall be constructed, operated, and maintained as specified in the Council's record and in the

site plan required by order number 7.

9) The certificate holder shall comply with any future radiofrequency (RF) standards promulgated by state or federal regulatory agencies. Upon the establishment of any new governmental RF standards, the facilities granted in this decision shall continue to be in compliance with such standards.

10) The certificate holder shall permit public or private entities to share space on the towers approved herein, for due consideration received, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing. In addition to complying with Section 16-50j-73 of the RSA, the certificate holder shall notify the Council of the addition of any equipment to any approved tower.

11) A fence not lower than 8' shall surround each tower and associated equipment.

12) Unless necessary to comply with order 13, no lights shall be installed on any of these towers.

13) The facilities' construction and any future tower sharing shall be in accordance with all applicable federal, state, and municipal laws and regulations. Shared uses by entities not subject to jurisdiction pursuant to Section 16-50k of the CGS shall be subject to all applicable federal, state, and municipal laws and regulations.

14) Construction activities shall take place during daylight working hours.

15) This decision and order shall be void and the towers and associate equipment shall be dismantled and removed, or reapplication for any new use shall be made to the Council before any such new use is made, if the towers do not provide or permanently cease to provide cellular service following completion of construction.

16) This decision and order shall be void if all construction authorized herein is not completed within three years of the issuance of this decision, or within three years of the completion of any appeal if appeal of this decision is taken, unless otherwise approved by the Council.

Pursuant to CGS Section 16-50p, we hereby direct that a copy of the decision and order shall be served on each person listed below. A notice of the issuance shall be published in the Hartford Courant, Middletown Press, Manchester Journal Inquirer, and the Willimantic Chronicle.

The parties to the proceeding are:

Metro Mobile (applicant)
5 Eversley Avenue
Norwalk, Connecticut 06855
ATTN: Armand Mascioli
General Manager

Howard L. Slater, Esq. (its attorneys)
Scott A. Gursky, Esq.
Byrne, Slater, Sandler,
Shulman & Rouse, P.C.
111 Pearl Street
Hartford, Connecticut 06103

Richard Rubin, Esq.
Fleischman and Walsh, P.C.
1725 N Street, N.W.
Washington, D. C. 20036

Mr. William Wamester
1225 Randolph Road
Middletown, Connecticut 06457

The Southern New England Telephone Company
227 Church Street
New Haven, Connecticut 06506
ATTN: Peter J. Tyrrell, Esq.

Mr. James W. Tilney

represented by:
Patricia A. Ayars
Samuel Baily, Jr.
Robinson & Cole
One Commercial Plaza
Hartford, CT. 06103-3597

Mr. Samuel DuBosar, Chairman
Bessie Bennett, Esq.
Town Plan & Zoning Commission
P.O. Box 337
Bloomfield, Connecticut 06002

Town of Somers

represented by:

Mr. Robert F. Peters
Town Counsel
Tatoian, Devline, Peters
& Davis
11 South Road
P.O. Box 415
Somers, CT. 06071

Town of Haddam
represented by:

Lucy R. Petrella
Chairperson
Town Office Building
Route 9A
P.O. Box 87
Haddam, CT. 06438

Midstate Regional Planning Agency

represented by:

Thomas M. Gilligan
Regional Planner
P.O. Box 139
Middletown, CT. 06457

Dr. Donald P. LaSalle
Director
Talcott Mountain Science Center
Montevideo Road
Avon, Connecticut 06001

Barnard Tilson (service waived)
Secretary
Avon Planning and Zoning
60 West Main Street
Avon, Connecticut 06001

Alden Giddings
33 Privelege Road
Bloomfield, Connecticut 06002

Town of Bloomfield

represented by:

Joseph M. Suggs, Jr.
Deputy Mayor
Town Hall
880 Bloomfield Avenue
P.O. Box 337
Bloomfield, CT. 06002
(service waived)

Town of Middlefield

represented by:

David Silverstone, Esq.
Silverstone & Koontz
37 Lewis Street
Hartford, CT. 06103

with a copy to:

Geoffrey Colegrove
Midstate Regional Planning Agency
100 DeKoven Drive
Middletown, CT. 06457

Zoning Commission
Town of Somers

represented by:

Joseph A. Paradis
Chairman
Town Hall
600 Main Street
P.O. Box 803
Somers, CT. 06071

Barbara Sirwilo, Secretary (service waived)
Planning & Zoning Commission
Town of Rocky Hill
600 Old Main Street
P.O. Box 657
Rocky Hill, Connecticut 06067

H. Robert Goodrich (service waived)
Goodrich Lane
Portland, Connecticut 06480

The Honorable Richard P. Antonetti
State Representative (service waived)
5 Sachem Circle
Meriden, Connecticut 06450

John Hevrin
R.D. #1 - Plains Road
Haddam, Connecticut 06438

Norman and Darlene Manning (represented by)

Elizabeth Allen, Esq.
P.O. Box 467
Higganum, CT. 06441
(service waived)

C E R T I F I C A T I O N

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case or read the record thereof, and that we voted as follows:

Dated at New Britain, Connecticut, this 11th day of July, 1986.

<u>Council Members</u>	<u>Vote Cast</u>
_____ Gloria Dibble Pond Chairperson	Absent
_____ <i>Patricia J. Shea</i> Commissioner John Downey Designee: Patricia Shea	Yes
_____ <i>Stanley Pac</i> Commissioner Stanley Pac Designee: Christopher Cooper	Yes
_____ <i>Owen L. Clark</i> Owen L. Clark	Yes
_____ <i>Mortimer A. Gelston</i> Mortimer A. Gelston	Yes
_____ <i>James G. Horsfall</i> James G. Horsfall	Yes
_____ Pamela B. Katz	Absent
_____ <i>William H. Smith</i> William H. Smith	Yes
_____ <i>Colin C. Tait</i> Colin C. Tait	Yes

STATE OF CONNECTICUT
COUNTY OF HARTFORD

)
:
)

ss. New Britain, July 11, 1986

I hereby certify that the foregoing is a true and correct copy of the decision and order issued by the Connecticut Siting Council, State of Connecticut.

ATTEST:



Christopher S. Wood, Executive Director
Connecticut Siting Council

UPS CampusShip: View/Print 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.
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UPS Access Point™
CVS STORE # 972
555 WASHINGTON ST
SOUTH EASTON ,MA 02375

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

1 OF 1

1 LBS

SHIP TO:
DANIEL A. CHAMPAGNE
MAYOR OF VERNON
TOWN HALL
14 PARK PLACE
VERNON CT 06066-3291

MIJMALI
9785687906
CENTERLINE COMMUNICATIONS
750 W. CENTER ST.
WEST BRIDGEWATER MA 02379

CT 061 9-99

UPS GROUND

TRACKING #: 1Z 9Y4 503 03 1395 2167

BILLING: P/P

Reference # 1: 302529
Reference # 2: Vernon CT
CS220.18. WNTNV50 32.0A 08/2021 *

Proof of Delivery

Dear Customer,

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

Tracking Number

1Z9Y45030313952167

Weight

1.00 LBS

Service

UPS Ground

Shipped / Billed On

08/13/2021

Delivered On

10/15/2021 10:26 A.M.

Delivered To

VERNON ROCKVILLE, CT, US

Received By

ROBERTS

Left At

Front Desk

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 9:15 A.M. EST

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450 E CENTER ST
WEST BRIDGEWATER ,MA 02379

FOLD HERE

1 OF 1

1 LBS

SHIP TO:
ANDREW MARCHESE
ZONING ENFORCEMENT OFFICER
OFFICE OF ZONING ADMINISTRATION
55 W MAIN ST
VERNON CT 06066-3504

MIJUMALI
9785687906
CENTERLINE COMMUNICATIONS
750 W. CENTER ST.
WEST BRIDGEWATER MA 02379

CT 061 9-99

UPS GROUND

TRACKING #: 1Z 9Y4 503 03 0438 7170

BILLING: P/P

Reference # 1: 302529
Reference # 2: Vernon CT
CS220.18. WNTNV50 32.0A 08/2021 *

https://www.campusship.ups.com/cship/create?ActionOriginPair=default__PrintWindowPage&key=labelWindow&type=html&loc=en_US&instr=A&do... 1/1

Proof of Delivery

Dear Customer,

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

Tracking Number

1Z9Y45030304387170

Weight

1.00 LBS

Service

UPS Ground

Shipped / Billed On

08/13/2021

Delivered On

08/19/2021 11:07 A.M.

Delivered To

VERNON ROCKVILLE, CT, US

Received By

PRATTSON

Left At

Front Desk

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 9:17 A.M. EST

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UPS Access Point™
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WEST BRIDGEWATER ,MA 02379

FOLD HERE

1 OF 1

1 LBS

SHIP TO:
PROPERTY OWNER
777 REALTY LLC
777 TALCOTTVILLE ROAD
VERNON ROCKVILLE CT 06066-2318

CT 061 9-99

UPS GROUND

TRACKING #: 1Z 9Y4 503 03 0182 4185

BILLING: P/P

Reference # 1: 302529
Reference # 2: Vernon CT
CS220.18. WNTNV50 32.0A 08/2021 *

Proof of Delivery

Dear Customer,

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

Tracking Number

1Z9Y45030301824185

Weight

1.00 LBS

Service

UPS Ground

Shipped / Billed On

08/13/2021

Delivered On

08/19/2021 10:55 A.M.

Delivered To

VERNON ROCKVILLE, CT, US

Received By

BERNARD

Left At

Receiver

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 9:16 A.M. EST

Centerline Communications LLC

028217

CONNECTICUT SITING COUNCIL

Check: 28217
Date: 8/11/2021
Vendor: 0

<u>Invoice</u>	<u>P.O. Num.</u>	<u>Invoice Amt</u>	<u>Prior Balance</u>	<u>Retention</u>	<u>Discount</u>	<u>Amt. Paid</u>
531353-003-1		625.00	625.00	0.00	0.00	625.00
ATC - Verizon-13668989						
		<u>625.00</u>	<u>625.00</u>	<u>0.00</u>	<u>0.00</u>	<u>625.00</u>

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

028217

28217

DATE

AMOUNT

8/11/2021

*****625.00

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

PAY
TO THE
ORDER
OF

CONNECTICUT SITING COUNCIL

VOID AFTER 90 DAYS

AUTHORIZED SIGNATURE

Security features. Details on back

028217 0113044781 2922009879



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 8, 2021

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

RE: Notice of Exempt Modification // Site: VERNON 3 CT (ATC: 302529)
777 Talcottville Road, Vernon Rockville, CT, 06066
N 41.8634 // W 72.4833

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless currently maintains 12 antennas at the 150-foot level on the existing 160 foot monopole tower, located at 777 Talcottville Road, Vernon Rockville, CT. The tower is owned by American Tower. The property is owned by 777 Realty LLC. The Council approved Cellco's use of this tower in 2002. Verizon Wireless now intends to remove 3 antennas and install 6 new ones for the LTE (3700 MHz) replacements for its 5G upgrade. Additionally, Verizon Wireless will remove 12 Remote Radio Head (RRHs) and install 9 new RRHs, remove 2 OVPs and replace with 2 new ones, and remove 6 1-5/8" Coax 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 Daniel A. Champagne, Mayor of Vernon, its Zoning Enforcement Officer, Andrew Marchese, the tower owner, American Tower Corporation, and the property owner, 777 Realty LLC.

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 18, 2021, by CLS Engineering, PLLC., and a structural analysis dated May 12, 2021, by CLS Engineering, PLLC., a structural mount analysis by Maser Consulting Connecticut dated May 27, 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 12, 2021 and a structural mount analysis by CLS Engineering, PLLC, dated May 27, 2021, pursuant to certain conditions defined therein. Design and engineering is fully illustrated within final construction drawings, signed and stamped dated June 18, 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: Daniel A. Champagne, Mayor of Vernon - as chief elected official
Andrew Marchese, Zoning Enforcement Officer of Vernon CT- as P&Z official
American Tower Corporation - as tower owner
777 Realty LLC – as Property owner

UPS CampusShip: View/Print Label

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450 E CENTER ST
WEST BRIDGEWATER ,MA 02379

FOLD HERE

1 OF 1

1 LBS

SHIP TO:
DANIEL A. CHAMPAGNE
MAYOR OF VERNON
TOWN HALL
14 PARK PLACE
VERNON CT 06066-3291

CT 061 9-99

UPS GROUND

TRACKING #: 1Z 9Y4 503 03 1395 2167

BILLING: P/P

Reference # 1: 302529
Reference # 2: Vernon CT 06066-3291

WNTNV50 32.0A 08/2021 *

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1 LBS

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ZONING ENFORCEMENT OFFICER
OFFICE OF ZONING ADMINISTRATION
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VERNON CT 06066-3504

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CT 061 9-99

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TRACKING #: 1Z 9Y4 503 03 0438 7170

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Reference # 1: 302529
Reference # 2: Vernon CT
CS220.18. WNTNV50 32.0A 08/2021 *

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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.
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Customers without a Daily Pickup
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1 OF 1

1 LBS

SHIP TO:
PROPERTY OWNER
777 REALTY LLC
777 TALCOTTVILLE ROAD
VERNON ROCKVILLE CT 06066-2318

CT 061 9-99

UPS GROUND

TRACKING #: 1Z 9Y4 503 03 0182 4185

BILLING: P/P

Reference # 1: 302529
Reference # 2: Vernon CT
CS220.18. WNTNV50 32.0A 08/2021 *



AMERICAN TOWER®
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This report was prepared for American Tower Corporation by

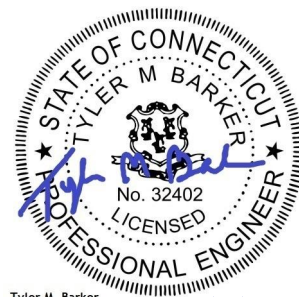


Structural Analysis Report

Structure : 160 ft Monopole
ATC Site Name : Vernon CT 6, CT
ATC Asset Number : 302529
Engineering Number : 13668989_C3_04
Proposed Carrier : VERIZON WIRELESS
Carrier Site Name : VERNON 3 CT
Carrier Site Number : 468776
Site Location : 777 Talcotville Road
Vernon Rockville, CT 06066-2318
41.863500,-72.483300
County : Tolland
Date : May 12, 2021
Max Usage : 30%
Result : Pass

Prepared By:
Temitope Olaniyan
CLS

Reviewed By:



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

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Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 160 ft monopole to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower Drawings	Summit, PJF Job #29201-0893, dated July 26, 2001
Foundation Drawing	Summit, PJF Job #29201-0893, dated September 21, 2001
Geotechnical Report	Dr. Clarence Welti Geotechnical Engineering Job #CT-1065, dated January 2, 2001

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 1/2" 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:	$S_s = 0.18$, $S_1 = 0.05$
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	Equipment	Mount Type	Lines	Carrier
161.0	12	Decibel DB844H90E-XY	Triangular Low Profile Platform	(12) 1 1/4" Coax	SPRINT NEXTEL
150.0	6	Andrew SBNHH-1D65B	Triangular Low Profile Platform	(6) 1 5/8" Coax	VERIZON WIRELESS
	3	Andrew LNX-6514DS-A1M		(2) 1 5/8" Hybriflex	
142.0	3	Ericsson RRUS 32 (50.8 lbs)	T-Arm	(1) 0.39" (10mm) Fiber Trunk (1) 0.39" (9.8mm) Cable (4) 0.78" (19.7mm) 8 AWG 6 (6) 1 1/4" Coax (1) 3" conduit	AT&T MOBILITY
	6	CCI HPA-65R-BUU-H6			
	3	Ericsson RRUS-11 (50 lbs.)			
	3	Ericsson RRUS 4478 B14			
	3	Powerwave Allgon 7770.00			
	1	Raycap DC6-48-60-18-8F (23.5" Height)			
	1	Raycap DC6-48-60-18-8F ("Squid")			
	3	Ericsson RRUS 32 B2			
	6	Powerwave Allgon LGP21401			
130.0	3	RFS APX16DWV-16DWVS-E-A20	Triangular Low Profile Platform	(3) 1 5/8" Hybriflex	SPRINT NEXTEL
	3	Ericsson Air6449 B41			
	3	RFS APXVAALL24 43-U-NA20			
	3	Ericsson RRUS 4415 B66			
	3	Ericsson 4424 B25			
	3	Ericsson Radio 4449 B71 B85A			
120.0	3	RFS APXV18-206517S-C	Flush	(6) 1 5/8" Coax	METRO PCS INC

Equipment to be Removed

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
150.0	3	Nokia B5 RRH4x40-850	-	(6) 1 5/8" Coax	VERIZON WIRELESS
	3	Alcatel-Lucent RRH2X60-1900			
	3	Amphenol Antel QUAD656C0000X			
	3	Alcatel-Lucent RRH2x60			
	2	RFS DB-T1-6Z-8AB-0Z			
	3	Alcatel-Lucent RRH2x60 700			

Proposed Equipment

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
150.0	3	Samsung Outdoor CBRS 20W RRH –Clip-on Antenna	Triangular Low Profile Platform	-	VERIZON WIRELESS
	3	Samsung RT4401-48A			
	3	Samsung B2/B66A RRH-BR049			
	3	Samsung B5/B13 RRH-BR04C			
	3	Samsung MT6407-77A			
	2	Raycap RRFDC-3315-PF-48			

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

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	30%	Pass
Shaft	29%	Pass
Base Plate	19%	Pass

Foundations

Reaction Component	Original Design Reactions	Factored Design Reactions*	Analysis Reactions	% of Design
Moment (Kips-Ft)	8,100.0	10,935.0	3,242.1	30%
Shear (Kips)	61.0	82.4	29.7	36%
* 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) (°)
150.0	Samsung Outdoor CBRS 20W RRH –Clip-on Antenna	VERIZON WIRELESS	0.524	0.361
	Samsung RT4401-48A			
	Samsung B2/B66A RRH-BR049			
	Samsung B5/B13 RRH-BR04C			
	Raycap RRFDC-3315-PF-48			
	Samsung MT6407-77A			

*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:

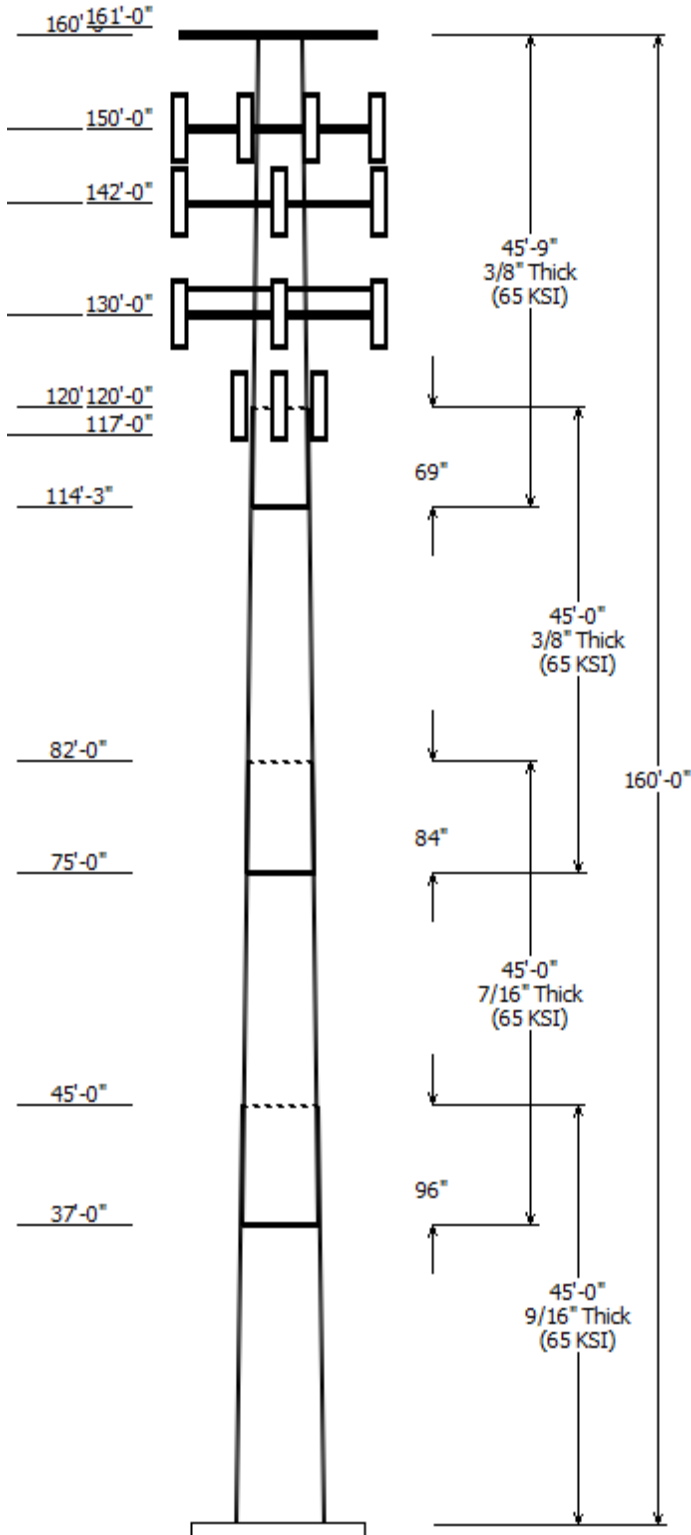
- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

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 : 302529 Code: ANSI/TIA-222-H
Location : Vernon CT 6, CT
Description : 160 ft Monopole Risk Category : II
Shape : 18 Sides Exposure : B
Height : 160.00 (ft) Topo Method : Method 1
Base Elev (ft): 0.00 Topographic Category : 1
Taper: 0.251317 in/ft

Sections Properties

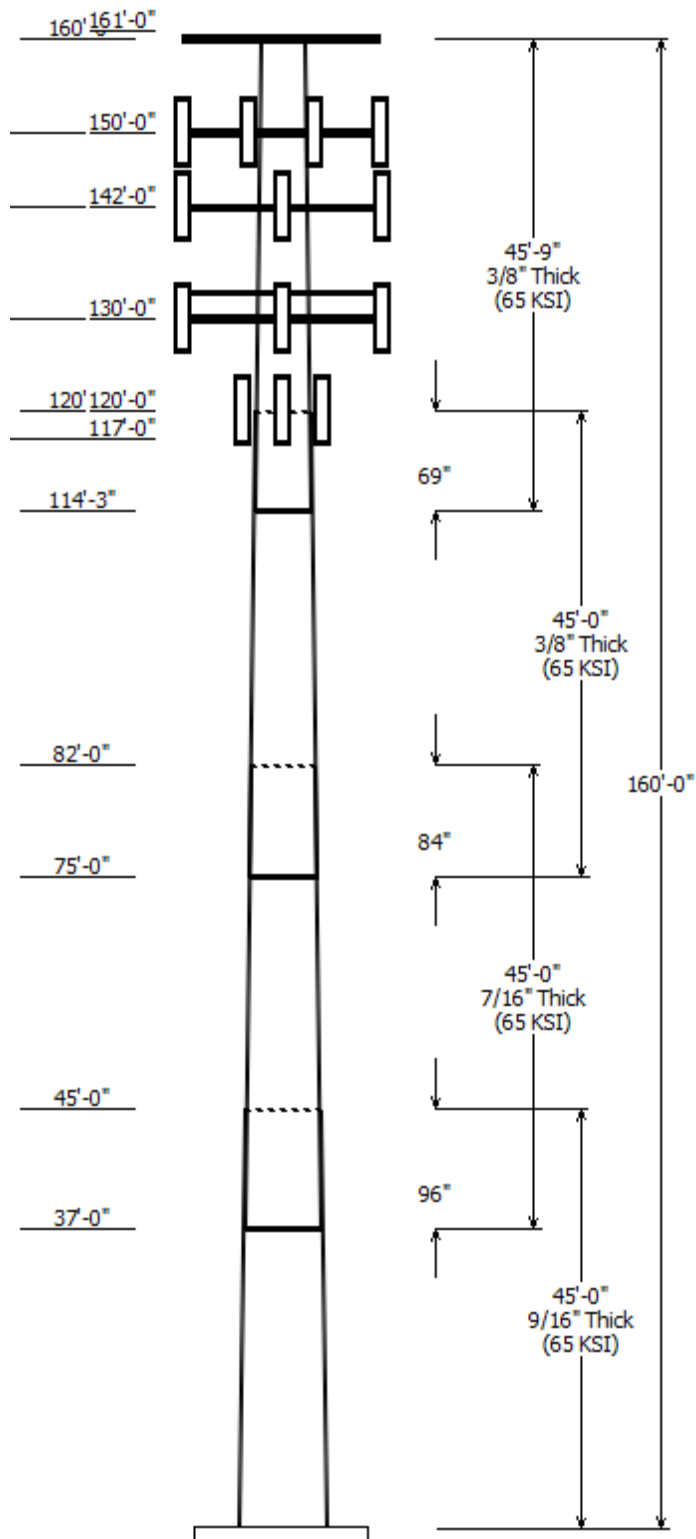
Shaft Section	Length (ft)	Diameter (in)		Thick (in)	Joint Type	Overlap Length (in)	Steel Grade
		Top	Bottom				
1	45.000	60.82	72.13	0.563		0.000	18 Sides 65
2	45.000	52.39	63.70	0.438	Slip Joint	96.000	18 Sides 65
3	45.000	43.59	54.90	0.375	Slip Joint	84.000	18 Sides 65
4	45.750	34.29	45.79	0.375	Slip Joint	69.000	18 Sides 65

Discrete Appurtenance

Attach Elev (ft)	Force Elev (ft)	Qty	Description
161.000	162.000	12	Decibel DB844H90E-XY
160.000	160.000	1	Flat Low Profile Platform
150.000	150.000	1	Round Low Profile Platform
150.000	150.000	3	Andrew LNX-6514DS-A1M
150.000	150.000	6	Andrew SBNHH-1D65B
150.000	150.000	2	Raycap RRFDC-3315-PF-48
150.000	150.000	3	Samsung MT6407-77A
150.000	150.000	3	Samsung B2/B66A RRH-BR049
150.000	150.000	3	Samsung RT4401-48A
150.000	150.000	3	Samsung B5/B13 RRH-BR04C
150.000	150.000	3	Samsung Outdoor CBRS 20W
142.000	142.000	3	Round T-Arm
142.000	142.000	6	CCI HPA-65R-BUU-H6
142.000	142.000	3	Powerwave Allgon 7770.00
142.000	142.000	3	Ericsson RRUS 32 B2
142.000	142.000	3	Ericsson RRUS 32 (50.8 lbs)
142.000	142.000	3	Ericsson RRUS-11 (50 lbs.)
142.000	142.000	3	Ericsson RRUS 4478 B14
142.000	142.000	1	Raycap DC6-48-60-18-8F
142.000	142.000	1	Raycap DC6-48-60-18-8F (23.5")
142.000	142.000	6	Powerwave Allgon LGP21401
130.000	130.000	3	Ericsson Radio 4449 B71 B85A
130.000	130.000	3	RFS APXVAALL24 43-U-NA20
130.000	130.000	1	Round Platform w/ Handrails
130.000	130.000	3	RFS APX16DWV-16DWVS-E-A20
130.000	130.000	3	Ericsson Air6449 B41
130.000	130.000	3	Ericsson 4424 B25
130.000	130.000	3	Ericsson RRUS 4415 B66
120.000	120.000	3	RFS APXV18-206517S-C
117.000	117.000	3	Flush Mounts

Linear Appurtenance

Elev (ft)	From	To	Description	Exposed To Wind
2.000	142.0	0.39"	(10mm)	No
2.000	142.0	0.39"	(9.8mm)	No
2.000	142.0	0.78"	(19.7mm) 8	No
2.000	142.0	1 1/4"	Coax	No
2.000	142.0	3"	conduit	No
2.000	150.0	1 5/8"	Coax	No
2.000	150.0	1 5/8"	Hybriflex	No



2.000	161.0	1 1/4" Coax	No
2.000	120.0	1 5/8" Coax	No
0.000	130.0	1 5/8" Hybriflex	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 1.50 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

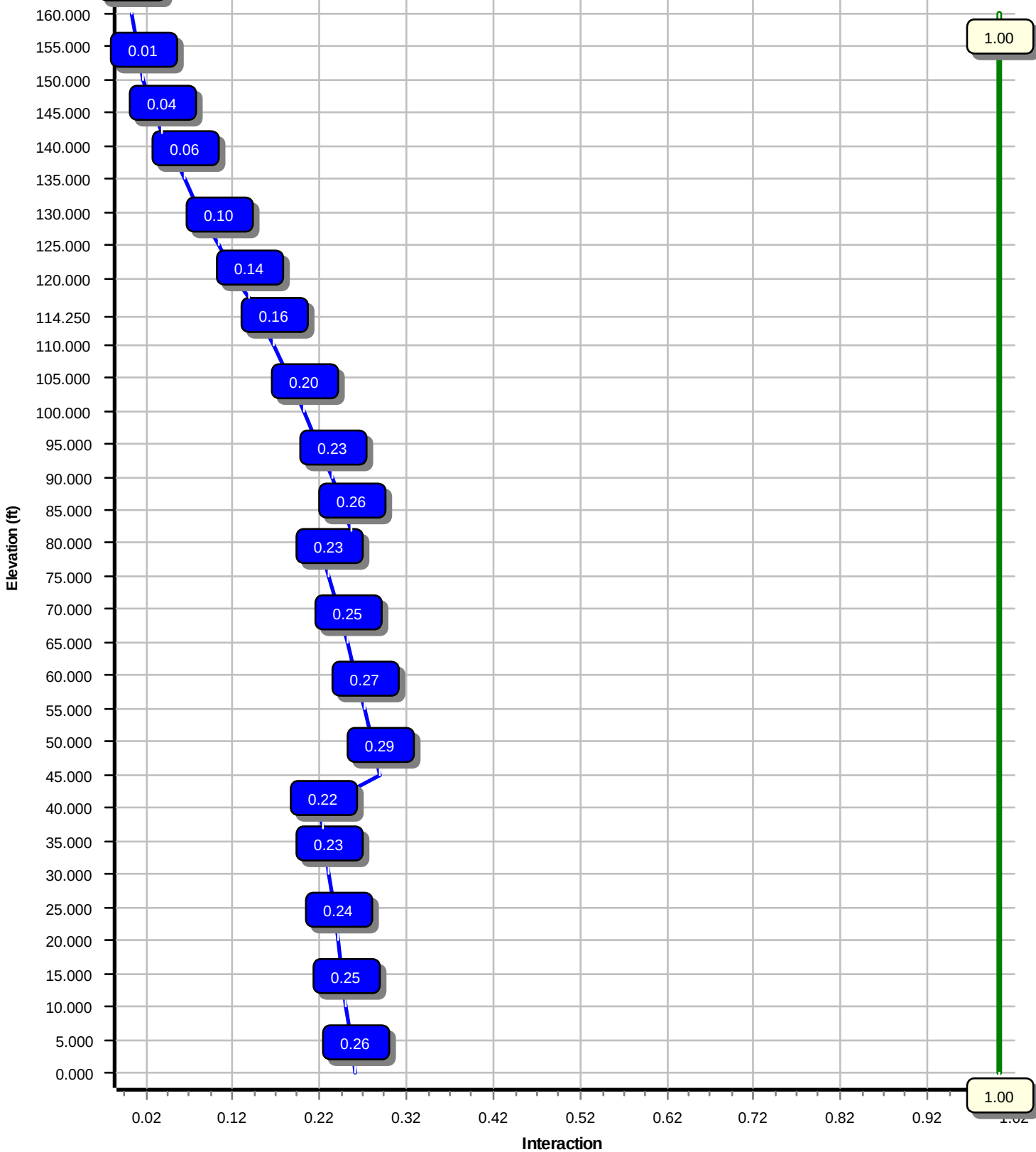
Reactions

Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.0W	3242.13	29.70	74.29
0.9D + 1.0W	3225.57	29.70	55.71
1.2D + 1.0Di + 1.0Wi	933.73	8.66	102.49
1.2D + 1.0Ev + 1.0Eh	268.61	2.26	73.89
0.9D - 1.0Ev + 1.0Eh	266.98	2.26	51.36
1.0D + 1.0W	747.49	6.87	61.92

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 28.68% at 45.0 ft



Site Number: 302529	Code: ANSI/TIA-222-H	© 2007 - 2021 by ATC IP LLC. All rights reserved.
Site Name: Vernon CT 6, CT	Engineering Number: 13668989_C3_04	5/12/2021 4:37:02 PM
Customer: VERIZON WIRELESS		

Analysis Parameters

Location :	Tolland County, CT	Height (ft) :	160
Code :	ANSI/TIA-222-H	Base Diameter (in) :	72.13
Shape :	18 Sides	Top Diameter (in) :	34.29
Pole Type :	Taper	Taper (in/ft) :	0.251
Pole Manufacturer :	Summit Manufacturing	Rotation (deg) :	0.00
Kd (non-service) :	0.95	Ke :	0.99

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:	1.50 in
Crest Height:	0 ft	HMSL:	232.00 ft

Seismic Parameters

Analysis Method:	Equivalent Lateral Force Method		
Site Class:	D - Stiff Soil		
Period Based on Rayleigh Method (sec):	1.61		
T_L (sec):	6	p :	1
S_s :	0.182	S_1 :	0.055
F_a :	1.600	F_v :	2.400
S_{ds} :	0.194	S_{d1} :	0.088
		C_s :	0.036
		C_s Max:	0.036
		C_s Min:	0.030

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 1.50 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: 302529

Code: ANSI/TIA-222-H

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

5/12/2021 4:37:02 PM

Customer: VERIZON WIRELESS

Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Joint Len (in)	Weight (lb)	Bottom				Top				W/t Ratio	D/t Ratio	Taper (in/ft)
							Dia (in)	Elev (ft)	Area (in ²)	Ix (in ⁴)	Dia (in)	Elev (ft)	Area (in ²)	Ix (in ⁴)			
1-18	45.000	0.5625	65		0.00	18,019	72.13	0.00	127.77	82681.3	20.85	128.23	60.82	45.00	107.58	49352.3	0.251317
2-18	45.000	0.4375	65	Slip	96.00	12,250	63.70	37.00	87.85	44430.6	23.91	145.61	52.39	82.00	72.15	24609.8	0.251317
3-18	45.000	0.3750	65	Slip	84.00	8,908	54.90	75.00	64.90	24383.8	24.05	146.42	43.59	120.00	51.44	12141.6	0.251317
4-18	45.750	0.3750	65	Slip	69.00	7,350	45.79	114.25	54.06	14087.1	19.77	122.11	34.29	160.00	40.37	5868.1	0.251317
Shaft Weight						46,527											

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	Weight (lb)	No Ice EPAA (sf)	Orientation Factor	Weight (lb)	Ice EPAA (sf)	Orientation Factor
161.00	Decibel DB844H90E-XY	12	0.80	1.000	14.00	3.615	0.74	125.34	3.927	0.74
160.00	Flat Low Profile Platform	1	1.00	0.000	1,500.00	26.100	1.00	2,152.40	45.325	1.00
150.00	Samsung Outdoor CBRS 20W	3	0.80	0.000	4.40	0.892	0.50	22.41	1.531	0.50
150.00	Samsung RT4401-48A	3	0.80	0.000	18.60	0.996	0.50	45.61	1.680	0.50
150.00	Samsung B2/B66A RRH-BR049	3	0.80	0.000	84.40	1.875	0.50	148.22	2.778	0.50
150.00	Samsung B5/B13 RRH-BR04C	3	0.80	0.000	70.30	1.875	0.50	127.52	2.778	0.50
150.00	Raycap RRFDC-3315-PF-48	2	0.80	0.000	26.90	2.512	0.67	106.59	3.554	0.67
150.00	Samsung MT6407-77A	3	0.80	0.000	81.60	4.709	0.61	183.56	6.228	0.61
150.00	Andrew SBNHH-1D65B	6	0.80	0.000	50.70	8.173	0.83	226.24	11.004	0.83
150.00	Andrew LNX-6514DS-A1M	3	0.80	0.000	38.80	8.173	0.83	214.80	10.992	0.83
150.00	Round Low Profile Platform	1	1.00	0.000	1,500.00	21.700	1.00	2,148.13	40.906	1.00
142.00	Powerwave Allgon LGP21401	6	0.80	0.000	14.10	1.104	0.50	38.95	1.815	0.50
142.00	Raycap DC6-48-60-18-8F (23.5"	1	0.80	0.000	20.00	1.260	1.00	72.44	1.916	1.00
142.00	Raycap DC6-48-60-18-8F	1	0.80	0.000	31.80	1.470	1.00	93.24	2.166	1.00
142.00	Ericsson RRUS 4478 B14	3	0.80	0.000	59.90	1.842	0.50	114.96	2.735	0.50
142.00	Ericsson RRUS-11 (50 lbs.)	3	0.80	0.000	50.00	2.566	0.67	117.89	3.609	0.67
142.00	Ericsson RRUS 32 (50.8 lbs)	3	0.80	0.000	50.80	2.692	0.67	122.03	3.842	0.67
142.00	Ericsson RRUS 32 B2	3	0.80	0.000	53.00	2.743	0.67	126.25	3.908	0.67
142.00	Powerwave Allgon 7770.00	3	0.80	0.000	35.00	5.508	0.77	169.15	6.558	0.77
142.00	CCI HPA-65R-BUU-H6	6	0.80	0.000	51.00	9.658	0.83	269.49	12.419	0.83
142.00	Round T-Arm	3	0.75	0.000	250.00	9.700	0.67	458.13	17.910	0.67
130.00	Ericsson RRUS 4415 B66	3	0.75	0.000	46.00	1.650	0.50	88.68	2.487	0.50
130.00	Ericsson Radio 4449 B71 B85A	3	0.75	0.000	75.00	1.650	0.50	134.29	2.487	0.50
130.00	Ericsson 4424 B25	3	0.75	0.000	86.00	2.052	0.67	157.89	2.982	0.67
130.00	Ericsson Air6449 B41	3	0.75	0.000	104.00	5.682	0.63	238.36	7.247	0.63
130.00	RFS APX16DWV-16DWVS-E-A20	3	0.75	0.000	40.70	6.586	0.60	155.87	8.721	0.60
130.00	RFS APXVAALL24 43-U-NA20	3	0.75	0.000	122.80	20.243	0.63	506.81	23.900	0.63
130.00	Round Platform w/ Handrails	1	1.00	0.000	2,000.00	27.200	1.00	3,277.51	51.299	1.00
120.00	RFS APXV18-206517S-C	3	1.00	0.000	26.40	5.160	0.80	117.08	7.475	0.80
117.00	Flush Mounts	3	1.00	0.000	65.00	2.000	0.67	175.56	4.041	0.67
Totals	Num Loadings:30	97			10,056.50			22,944.32		

Linear Appurtenance Properties

Load Case Azimuth (deg) :

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Max Coax / Row	Dist Between Rows (in)	Dist Between Cols (in)	Dist Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
2.00	161.00	12	1 1/4" Coax	1.55	0.63	N 0	0.00	0.00	0	0.00	N	SPRINT NEXTEL
2.00	150.00	6	1 5/8" Coax	1.98	0.82	N 0	0.00	0.00	0	0.00	N	VERIZON WIRELESS
2.00	150.00	2	1 5/8" Hybriflex	1.98	1.30	N 0	0.00	0.00	0	0.00	N	VERIZON WIRELESS
2.00	142.00	1	0.39" (10mm) Fiber	0.39	0.06	N 0	0.00	0.00	0	0.00	N	AT&T MOBILITY
2.00	142.00	1	0.39" (9.8mm) Cable	0.39	0.07	N 0	0.00	0.00	0	0.00	N	AT&T MOBILITY
2.00	142.00	4	0.78" (19.7mm) 8 AWG	0.78	0.59	N 0	0.00	0.00	0	0.00	N	AT&T MOBILITY

Site Number: 302529

Code: ANSI/TIA-222-H

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

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Customer: VERIZON WIRELESS

2.00	142.00	6	1 1/4" Coax	1.55	0.63	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
2.00	142.00	1	3" conduit	3.50	7.58	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	130.00	3	1 5/8" Hybriflex	1.98	1.30	N	0	0.00	0.00	0	0.00	N	SPRINT NEXTEL
2.00	120.00	6	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	METRO PCS INC

Site Number: 302529

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

5/12/2021 4:37:02 PM

Customer: VERIZON WIRELESS

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		0.5625	72.130	127.770	82,681.3	20.85	128.23	76.9	2257.	0.0	0.0
5.00		0.5625	70.873	125.526	78,402.1	20.45	126.00	77.3	2178.	0.0	2,154.8
10.00		0.5625	69.616	123.283	74,273.2	20.06	123.76	77.8	2101.	0.0	2,116.6
15.00		0.5625	68.360	121.039	70,291.9	19.67	121.53	78.3	2025.	0.0	2,078.4
20.00		0.5625	67.103	118.796	66,455.4	19.27	119.29	78.7	1950.	0.0	2,040.3
25.00		0.5625	65.847	116.553	62,761.1	18.88	117.06	79.2	1877.	0.0	2,002.1
30.00		0.5625	64.590	114.309	59,206.4	18.48	114.83	79.7	1805.	0.0	1,963.9
35.00		0.5625	63.334	112.066	55,788.4	18.09	112.59	80.1	1735.	0.0	1,925.8
37.00	Bot - Section 2	0.5625	62.831	111.168	54,459.0	17.93	111.70	80.3	1707.	0.0	759.6
40.00		0.5625	62.077	109.822	52,504.7	17.70	110.36	80.6	1665.	0.0	2,019.5
45.00	Top - Section 1	0.4375	61.695	85.061	40,328.1	23.10	141.02	74.2	1287.	0.0	3,311.5
50.00		0.4375	60.439	83.316	37,896.9	22.60	138.15	74.8	1235.	0.0	1,432.4
55.00		0.4375	59.182	81.571	35,565.4	22.09	135.27	75.4	1183.	0.0	1,402.7
60.00		0.4375	57.926	79.827	33,331.6	21.58	132.40	76.0	1133.	0.0	1,373.0
65.00		0.4375	56.669	78.082	31,193.3	21.08	129.53	76.6	1084.	0.0	1,343.3
70.00		0.4375	55.412	76.337	29,148.5	20.57	126.66	77.2	1036.	0.0	1,313.6
75.00	Bot - Section 3	0.4375	54.156	74.592	27,195.1	20.06	123.78	77.8	989.1	0.0	1,283.9
80.00		0.4375	52.899	72.847	25,330.9	19.56	120.91	78.4	943.2	0.0	2,345.8
82.00	Top - Section 2	0.3750	53.147	62.809	22,099.2	23.23	141.72	74.1	819.0	0.0	922.9
85.00		0.3750	52.393	61.912	21,165.5	22.87	139.71	74.5	795.7	0.0	636.6
90.00		0.3750	51.136	60.416	19,668.4	22.28	136.36	75.2	757.6	0.0	1,040.6
95.00		0.3750	49.880	58.921	18,243.6	21.69	133.01	75.9	720.4	0.0	1,015.2
100.0		0.3750	48.623	57.425	16,889.3	21.10	129.66	76.6	684.2	0.0	989.7
105.0		0.3750	47.366	55.929	15,603.7	20.51	126.31	77.3	648.8	0.0	964.3
110.0		0.3750	46.110	54.434	14,385.2	19.92	122.96	78.0	614.5	0.0	938.9
114.2	Bot - Section 4	0.3750	45.042	53.163	13,400.6	19.42	120.11	78.6	586.0	0.0	778.0
115.0		0.3750	44.853	52.938	13,231.7	19.33	119.61	78.7	581.0	0.0	273.1
117.0		0.3750	44.351	52.340	12,788.2	19.09	118.27	78.9	567.9	0.0	722.6
120.0	Top - Section 3	0.3750	44.347	52.335	12,784.7	19.09	118.26	78.9	567.8	0.0	1,068.6
125.0		0.3750	43.090	50.840	11,719.7	18.50	114.91	79.6	535.7	0.0	877.7
130.0		0.3750	41.833	49.344	10,715.5	17.91	111.56	80.3	504.5	0.0	852.3
135.0		0.3750	40.577	47.849	9,770.4	17.32	108.20	81.0	474.3	0.0	826.8
140.0		0.3750	39.320	46.353	8,882.6	16.73	104.85	81.7	444.9	0.0	801.4
142.0		0.3750	38.818	45.755	8,543.1	16.49	103.51	82.0	433.5	0.0	313.4
145.0		0.3750	38.064	44.857	8,050.2	16.13	101.50	82.4	416.6	0.0	462.5
150.0		0.3750	36.807	43.362	7,271.6	15.54	98.15	82.6	389.1	0.0	750.5
155.0		0.3750	35.550	41.866	6,544.8	14.95	94.80	82.6	362.6	0.0	725.0
160.0		0.3750	34.294	40.371	5,868.1	14.36	91.45	82.6	337.0	0.0	699.6
46,526.7											

Site Number: 302529

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

5/12/2021 4:37:02 PM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0W

118 mph with No Ice

19 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			Dead		Torsion	Moment	Dead		Dead		Torsion	Moment	
Elev		Wind FX	Load	Wind FX	MY	MZ	Load	Wind FX	Load	Wind FX	Load	MY	MZ
(ft)	Description	(lb)	(lb)	(lb)	(lb-ft)	(lb-ft)	(lb)	(lb)	(lb)	(lb)	(lb)	(lb-ft)	(lb)
0.00		285.5	0.0					0.0	0.0	285.5	0.0	0.0	0.0
5.00		566.0	2,585.7					0.0	145.3	566.0	2,731.0	0.0	0.0
10.00		556.0	2,539.9					0.0	226.5	556.0	2,766.4	0.0	0.0
15.00		545.9	2,494.1					0.0	226.5	545.9	2,720.6	0.0	0.0
20.00		535.9	2,448.3					0.0	226.5	535.9	2,674.8	0.0	0.0
25.00		525.9	2,402.5					0.0	226.5	525.9	2,629.0	0.0	0.0
30.00		521.9	2,356.7					0.0	226.5	521.9	2,583.2	0.0	0.0
35.00		367.8	2,310.9					0.0	226.5	367.8	2,537.4	0.0	0.0
37.00	Bot - Section 2	269.3	911.5					0.0	90.6	269.3	1,002.1	0.0	0.0
40.00		438.2	2,423.4					0.0	135.9	438.2	2,559.3	0.0	0.0
45.00	Top - Section 1	553.4	3,973.8					0.0	226.5	553.4	4,200.3	0.0	0.0
50.00		558.8	1,718.9					0.0	226.5	558.8	1,945.4	0.0	0.0
55.00		562.3	1,683.2					0.0	226.5	562.3	1,909.7	0.0	0.0
60.00		564.2	1,647.6					0.0	226.5	564.2	1,874.1	0.0	0.0
65.00		564.8	1,612.0					0.0	226.5	564.8	1,838.5	0.0	0.0
70.00		564.1	1,576.4					0.0	226.5	564.1	1,802.9	0.0	0.0
75.00	Bot - Section 3	566.2	1,540.7					0.0	226.5	566.2	1,767.2	0.0	0.0
80.00		397.9	2,814.9					0.0	226.5	397.9	3,041.4	0.0	0.0
82.00	Top - Section 2	282.9	1,107.5					0.0	90.6	282.9	1,198.1	0.0	0.0
85.00		450.4	763.9					0.0	135.9	450.4	899.8	0.0	0.0
90.00		559.3	1,248.8					0.0	226.5	559.3	1,475.3	0.0	0.0
95.00		554.1	1,218.2					0.0	226.5	554.1	1,444.7	0.0	0.0
100.00		548.1	1,187.7					0.0	226.5	548.1	1,414.2	0.0	0.0
105.00		541.4	1,157.2					0.0	226.5	541.4	1,383.7	0.0	0.0
110.00		494.6	1,126.6					0.0	226.5	494.6	1,353.1	0.0	0.0
114.25	Bot - Section 4	265.8	933.6					0.0	192.5	265.8	1,126.1	0.0	0.0
115.00		146.9	327.7					0.0	34.0	146.9	361.6	0.0	0.0
117.00	Appurtenance(s)	265.5	867.1	153.5	0.0	0.0	234.0	0.0	90.6	419.0	1,191.7	0.0	0.0
120.00	Top - Section 3	419.9	1,282.3	476.2	0.0	0.0	95.0	0.0	135.9	896.2	1,513.2	0.0	0.0
125.00		517.7	1,053.2					0.0	197.0	517.7	1,250.2	0.0	0.0
130.00	Appurtenance(s)	508.3	1,022.7	3,133.6	0.0	0.0	4,108.2	0.0	197.0	3,641.9	5,327.9	0.0	0.0
135.00		498.4	992.2					0.0	173.6	498.4	1,165.8	0.0	0.0
140.00		343.8	961.6					0.0	173.6	343.8	1,135.2	0.0	0.0
142.00	Appurtenance(s)	241.3	376.1	3,356.7	0.0	0.0	2,326.2	0.0	69.4	3,598.0	2,771.7	0.0	0.0
145.00		380.0	555.0					0.0	54.3	380.0	609.3	0.0	0.0
150.00	Appurtenance(s)	465.9	900.6	3,561.5	0.0	0.0	3,302.8	0.0	90.5	4,027.4	4,293.8	0.0	0.0
155.00		454.2	870.0					0.0	45.4	454.2	915.4	0.0	0.0
160.00	Appurtenance(s)	224.1	839.5	1,089.7	0.0	0.0	1,800.0	0.0	45.4	1,313.8	2,684.9	0.0	0.0
Totals:										28,877.8	74,099.0	0.00	0.00

Site Number: 302529

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

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Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0W

118 mph with No Ice

19 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	-74.29	-29.70	0.00	-3,242.13	0.00	3,242.13	8,840.70	2,242.35	14,494.8	13,018.2	0.00	0.00	0.258
5.00	-71.53	-29.21	0.00	-3,093.61	0.00	3,093.61	8,737.81	2,202.98	13,990.3	12,639.0	0.03	-0.05	0.253
10.00	-68.73	-28.71	0.00	-2,947.59	0.00	2,947.59	8,633.05	2,163.61	13,494.8	12,262.6	0.12	-0.11	0.249
15.00	-65.99	-28.22	0.00	-2,804.03	0.00	2,804.03	8,526.42	2,124.24	13,008.2	11,888.9	0.26	-0.16	0.244
20.00	-63.29	-27.74	0.00	-2,662.92	0.00	2,662.92	8,417.92	2,084.87	12,530.5	11,518.3	0.46	-0.22	0.239
25.00	-60.63	-27.26	0.00	-2,524.23	0.00	2,524.23	8,307.56	2,045.50	12,061.8	11,150.8	0.72	-0.28	0.234
30.00	-58.03	-26.78	0.00	-2,387.92	0.00	2,387.92	8,195.31	2,006.13	11,602.0	10,786.6	1.04	-0.33	0.229
35.00	-55.48	-26.44	0.00	-2,254.02	0.00	2,254.02	8,081.20	1,966.75	11,151.1	10,425.9	1.42	-0.39	0.223
37.00	-54.46	-26.19	0.00	-2,201.15	0.00	2,201.15	8,035.03	1,951.01	10,973.3	10,282.6	1.59	-0.41	0.221
40.00	-51.89	-25.77	0.00	-2,122.59	0.00	2,122.59	7,965.22	1,927.38	10,709.2	10,068.7	1.86	-0.44	0.218
45.00	-47.67	-25.23	0.00	-1,993.74	0.00	1,993.74	5,682.57	1,492.82	8,259.56	7,167.53	2.35	-0.50	0.287
50.00	-45.70	-24.70	0.00	-1,867.61	0.00	1,867.61	5,610.67	1,462.20	7,924.21	6,930.64	2.90	-0.55	0.278
55.00	-43.77	-24.17	0.00	-1,744.10	0.00	1,744.10	5,536.90	1,431.58	7,595.82	6,695.24	3.52	-0.62	0.269
60.00	-41.87	-23.63	0.00	-1,623.25	0.00	1,623.25	5,461.26	1,400.96	7,274.37	6,461.47	4.21	-0.69	0.259
65.00	-40.01	-23.09	0.00	-1,505.08	0.00	1,505.08	5,383.74	1,370.33	6,959.87	6,229.47	4.97	-0.76	0.249
70.00	-38.19	-22.55	0.00	-1,389.62	0.00	1,389.62	5,304.36	1,339.71	6,652.32	5,999.40	5.80	-0.82	0.239
75.00	-36.41	-22.00	0.00	-1,276.89	0.00	1,276.89	5,223.10	1,309.09	6,351.73	5,771.40	6.69	-0.89	0.228
80.00	-33.36	-21.57	0.00	-1,166.91	0.00	1,166.91	5,139.97	1,278.47	6,058.08	5,545.62	7.66	-0.95	0.217
82.00	-32.15	-21.29	0.00	-1,123.76	0.00	1,123.76	4,187.73	1,102.30	5,253.96	4,550.48	8.06	-0.98	0.255
85.00	-31.24	-20.85	0.00	-1,059.90	0.00	1,059.90	4,151.14	1,086.55	5,104.92	4,445.82	8.69	-1.02	0.246
90.00	-29.75	-20.30	0.00	-955.63	0.00	955.63	4,088.64	1,060.30	4,861.29	4,272.35	9.79	-1.08	0.231
95.00	-28.30	-19.75	0.00	-854.13	0.00	854.13	4,024.28	1,034.06	4,623.62	4,100.24	10.96	-1.15	0.216
100.00	-26.88	-19.20	0.00	-755.38	0.00	755.38	3,958.05	1,007.81	4,391.90	3,929.62	12.20	-1.21	0.199
105.00	-25.48	-18.66	0.00	-659.37	0.00	659.37	3,889.94	981.56	4,166.13	3,760.65	13.50	-1.27	0.182
110.00	-24.13	-18.15	0.00	-566.09	0.00	566.09	3,819.97	955.31	3,946.33	3,593.46	14.86	-1.33	0.164
114.25	-23.00	-17.87	0.00	-488.94	0.00	488.94	3,759.02	933.00	3,764.18	3,452.87	16.06	-1.37	0.148
115.00	-22.64	-17.72	0.00	-475.54	0.00	475.54	3,748.12	929.07	3,732.48	3,428.21	16.28	-1.38	0.145
117.00	-21.45	-17.28	0.00	-440.10	0.00	440.10	3,718.86	918.57	3,648.61	3,362.69	16.86	-1.40	0.137
120.00	-19.95	-16.36	0.00	-388.25	0.00	388.25	3,718.63	918.48	3,647.95	3,362.17	17.75	-1.43	0.121
125.00	-18.70	-15.82	0.00	-306.45	0.00	306.45	3,644.16	892.24	3,442.46	3,199.89	19.27	-1.47	0.101
130.00	-13.46	-12.05	0.00	-227.33	0.00	227.33	3,567.82	865.99	3,242.93	3,039.89	20.82	-1.50	0.079
135.00	-12.31	-11.53	0.00	-167.08	0.00	167.08	3,489.60	839.74	3,049.35	2,882.33	22.41	-1.53	0.062
140.00	-11.18	-11.16	0.00	-109.44	0.00	109.44	3,409.52	813.49	2,861.73	2,727.34	24.01	-1.55	0.044
142.00	-8.50	-7.49	0.00	-87.13	0.00	87.13	3,376.96	802.99	2,788.35	2,666.10	24.66	-1.55	0.035
145.00	-7.91	-7.09	0.00	-64.68	0.00	64.68	3,327.57	787.25	2,680.06	2,575.08	25.64	-1.56	0.028
150.00	-3.72	-2.95	0.00	-29.23	0.00	29.23	3,221.56	761.00	2,504.36	2,409.11	27.28	-1.57	0.013
155.00	-2.82	-2.47	0.00	-14.49	0.00	14.49	3,110.44	734.75	2,334.61	2,244.97	28.92	-1.57	0.007
160.00	0.00	-2.39	0.00	-2.15	0.00	2.15	2,999.33	708.50	2,170.81	2,086.62	30.57	-1.57	0.001

Site Number: 302529

Code: ANSI/TIA-222-H

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

5/12/2021 4:37:06 PM

Customer: VERIZON WIRELESS

Load Case: 0.9D + 1.0W

118 mph with No Ice (Reduced DL)

19 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			Dead	Torsion		Moment	Dead		Dead	Torsion		Moment	
Elev		Wind FX	Load	Wind FX	MY	MZ	Load	Wind FX	Load	Wind FX	Load	MY	MZ
(ft)	Description	(lb)	(lb)	(lb)	(lb-ft)	(lb-ft)	(lb)	(lb)	(lb)	(lb)	(lb)	(lb-ft)	(lb)
0.00		285.5	0.0					0.0	0.0	285.5	0.0	0.0	0.0
5.00		566.0	1,939.3					0.0	108.9	566.0	2,048.2	0.0	0.0
10.00		556.0	1,904.9					0.0	169.9	556.0	2,074.8	0.0	0.0
15.00		545.9	1,870.6					0.0	169.9	545.9	2,040.5	0.0	0.0
20.00		535.9	1,836.2					0.0	169.9	535.9	2,006.1	0.0	0.0
25.00		525.9	1,801.9					0.0	169.9	525.9	1,971.8	0.0	0.0
30.00		521.9	1,767.5					0.0	169.9	521.9	1,937.4	0.0	0.0
35.00		367.8	1,733.2					0.0	169.9	367.8	1,903.1	0.0	0.0
37.00	Bot - Section 2	269.3	683.7					0.0	67.9	269.3	751.6	0.0	0.0
40.00		438.2	1,817.5					0.0	101.9	438.2	1,919.4	0.0	0.0
45.00	Top - Section 1	553.4	2,980.3					0.0	169.9	553.4	3,150.2	0.0	0.0
50.00		558.8	1,289.1					0.0	169.9	558.8	1,459.0	0.0	0.0
55.00		562.3	1,262.4					0.0	169.9	562.3	1,432.3	0.0	0.0
60.00		564.2	1,235.7					0.0	169.9	564.2	1,405.6	0.0	0.0
65.00		564.8	1,209.0					0.0	169.9	564.8	1,378.9	0.0	0.0
70.00		564.1	1,182.3					0.0	169.9	564.1	1,352.1	0.0	0.0
75.00	Bot - Section 3	566.2	1,155.5					0.0	169.9	566.2	1,325.4	0.0	0.0
80.00		397.9	2,111.2					0.0	169.9	397.9	2,281.1	0.0	0.0
82.00	Top - Section 2	282.9	830.6					0.0	67.9	282.9	898.5	0.0	0.0
85.00		450.4	572.9					0.0	101.9	450.4	674.9	0.0	0.0
90.00		559.3	936.6					0.0	169.9	559.3	1,106.4	0.0	0.0
95.00		554.1	913.7					0.0	169.9	554.1	1,083.5	0.0	0.0
100.00		548.1	890.8					0.0	169.9	548.1	1,060.6	0.0	0.0
105.00		541.4	867.9					0.0	169.9	541.4	1,037.7	0.0	0.0
110.00		494.6	845.0					0.0	169.9	494.6	1,014.8	0.0	0.0
114.25	Bot - Section 4	265.8	700.2					0.0	144.4	265.8	844.6	0.0	0.0
115.00		146.9	245.8					0.0	25.5	146.9	271.2	0.0	0.0
117.00	Appurtenance(s)	265.5	650.3	153.5	0.0	0.0	175.5	0.0	67.9	419.0	893.7	0.0	0.0
120.00	Top - Section 3	419.9	961.7	476.2	0.0	0.0	71.3	0.0	101.9	896.2	1,134.9	0.0	0.0
125.00		517.7	789.9					0.0	147.7	517.7	937.7	0.0	0.0
130.00	Appurtenance(s)	508.3	767.0	3,133.6	0.0	0.0	3,081.1	0.0	147.7	3,641.9	3,995.9	0.0	0.0
135.00		498.4	744.1					0.0	130.2	498.4	874.3	0.0	0.0
140.00		343.8	721.2					0.0	130.2	343.8	851.4	0.0	0.0
142.00	Appurtenance(s)	241.3	282.1	3,356.7	0.0	0.0	1,744.6	0.0	52.1	3,598.0	2,078.8	0.0	0.0
145.00		380.0	416.2					0.0	40.7	380.0	457.0	0.0	0.0
150.00	Appurtenance(s)	465.9	675.4	3,561.5	0.0	0.0	2,477.1	0.0	67.9	4,027.4	3,220.4	0.0	0.0
155.00		454.2	652.5					0.0	34.0	454.2	686.5	0.0	0.0
160.00	Appurtenance(s)	224.1	629.6	1,089.7	0.0	0.0	1,350.0	0.0	34.0	1,313.8	2,013.6	0.0	0.0
Totals:										28,877.8	55,574.2	0.00	0.00

Site Number: 302529

Code: ANSI/TIA-222-H

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

5/12/2021 4:37:09 PM

Customer: VERIZON WIRELESS

Load Case: 0.9D + 1.0W

118 mph with No Ice (Reduced DL)

19 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	-55.71	-29.70	0.00	-3,225.57	0.00	3,225.57	8,840.70	2,242.35	14,494.8	13,018.2	0.00	0.00	0.254
5.00	-53.64	-29.18	0.00	-3,077.09	0.00	3,077.09	8,737.81	2,202.98	13,990.3	12,639.0	0.03	-0.05	0.250
10.00	-51.53	-28.67	0.00	-2,931.20	0.00	2,931.20	8,633.05	2,163.61	13,494.8	12,262.6	0.12	-0.11	0.245
15.00	-49.47	-28.17	0.00	-2,787.85	0.00	2,787.85	8,526.42	2,124.24	13,008.2	11,888.9	0.26	-0.16	0.240
20.00	-47.44	-27.67	0.00	-2,647.02	0.00	2,647.02	8,417.92	2,084.87	12,530.5	11,518.3	0.46	-0.22	0.236
25.00	-45.44	-27.18	0.00	-2,508.68	0.00	2,508.68	8,307.56	2,045.50	12,061.8	11,150.8	0.72	-0.27	0.231
30.00	-43.48	-26.69	0.00	-2,372.79	0.00	2,372.79	8,195.31	2,006.13	11,602.0	10,786.6	1.04	-0.33	0.225
35.00	-41.56	-26.34	0.00	-2,239.35	0.00	2,239.35	8,081.20	1,966.75	11,151.1	10,425.9	1.41	-0.38	0.220
37.00	-40.80	-26.08	0.00	-2,186.67	0.00	2,186.67	8,035.03	1,951.01	10,973.3	10,282.6	1.58	-0.41	0.218
40.00	-38.86	-25.66	0.00	-2,108.43	0.00	2,108.43	7,965.22	1,927.38	10,709.2	10,068.7	1.84	-0.44	0.214
45.00	-35.69	-25.12	0.00	-1,980.13	0.00	1,980.13	5,682.57	1,492.82	8,259.56	7,167.53	2.34	-0.50	0.283
50.00	-34.21	-24.58	0.00	-1,854.55	0.00	1,854.55	5,610.67	1,462.20	7,924.21	6,930.64	2.89	-0.55	0.274
55.00	-32.76	-24.04	0.00	-1,731.65	0.00	1,731.65	5,536.90	1,431.58	7,595.82	6,695.24	3.50	-0.62	0.265
60.00	-31.33	-23.50	0.00	-1,611.44	0.00	1,611.44	5,461.26	1,400.96	7,274.37	6,461.47	4.18	-0.69	0.255
65.00	-29.93	-22.95	0.00	-1,493.95	0.00	1,493.95	5,383.74	1,370.33	6,959.87	6,229.47	4.94	-0.75	0.246
70.00	-28.56	-22.40	0.00	-1,379.20	0.00	1,379.20	5,304.36	1,339.71	6,652.32	5,999.40	5.76	-0.82	0.236
75.00	-27.22	-21.85	0.00	-1,267.20	0.00	1,267.20	5,223.10	1,309.09	6,351.73	5,771.40	6.65	-0.88	0.225
80.00	-24.93	-21.43	0.00	-1,157.97	0.00	1,157.97	5,139.97	1,278.47	6,058.08	5,545.62	7.61	-0.95	0.214
82.00	-24.03	-21.15	0.00	-1,115.12	0.00	1,115.12	4,187.73	1,102.30	5,253.96	4,550.48	8.01	-0.97	0.251
85.00	-23.34	-20.71	0.00	-1,051.68	0.00	1,051.68	4,151.14	1,086.55	5,104.92	4,445.82	8.64	-1.01	0.243
90.00	-22.22	-20.15	0.00	-948.16	0.00	948.16	4,088.64	1,060.30	4,861.29	4,272.35	9.73	-1.08	0.228
95.00	-21.13	-19.60	0.00	-847.40	0.00	847.40	4,024.28	1,034.06	4,623.62	4,100.24	10.89	-1.14	0.212
100.00	-20.06	-19.05	0.00	-749.40	0.00	749.40	3,958.05	1,007.81	4,391.90	3,929.62	12.12	-1.20	0.196
105.00	-19.01	-18.51	0.00	-654.15	0.00	654.15	3,889.94	981.56	4,166.13	3,760.65	13.41	-1.26	0.179
110.00	-17.99	-18.00	0.00	-561.61	0.00	561.61	3,819.97	955.31	3,946.33	3,593.46	14.76	-1.32	0.161
114.25	-17.15	-17.73	0.00	-485.09	0.00	485.09	3,759.02	933.00	3,764.18	3,452.87	15.96	-1.36	0.145
115.00	-16.88	-17.58	0.00	-471.80	0.00	471.80	3,748.12	929.07	3,732.48	3,428.21	16.17	-1.37	0.142
117.00	-15.99	-17.14	0.00	-436.64	0.00	436.64	3,718.86	918.57	3,648.61	3,362.69	16.75	-1.39	0.134
120.00	-14.86	-16.23	0.00	-385.21	0.00	385.21	3,718.63	918.48	3,647.95	3,362.17	17.63	-1.42	0.119
125.00	-13.93	-15.70	0.00	-304.07	0.00	304.07	3,644.16	892.24	3,442.46	3,199.89	19.14	-1.46	0.099
130.00	-10.02	-11.96	0.00	-225.58	0.00	225.58	3,567.82	865.99	3,242.93	3,039.89	20.68	-1.49	0.077
135.00	-9.16	-11.44	0.00	-165.79	0.00	165.79	3,489.60	839.74	3,049.35	2,882.33	22.26	-1.51	0.060
140.00	-8.31	-11.08	0.00	-108.59	0.00	108.59	3,409.52	813.49	2,861.73	2,727.34	23.85	-1.53	0.042
142.00	-6.33	-7.42	0.00	-86.43	0.00	86.43	3,376.96	802.99	2,788.35	2,666.10	24.50	-1.54	0.034
145.00	-5.88	-7.03	0.00	-64.16	0.00	64.16	3,327.57	787.25	2,680.06	2,575.08	25.47	-1.55	0.027
150.00	-2.77	-2.92	0.00	-28.99	0.00	28.99	3,221.56	761.00	2,504.36	2,409.11	27.09	-1.56	0.013
155.00	-2.10	-2.45	0.00	-14.39	0.00	14.39	3,110.44	734.75	2,334.61	2,244.97	28.73	-1.56	0.007
160.00	0.00	-2.39	0.00	-2.15	0.00	2.15	2,999.33	708.50	2,170.81	2,086.62	30.36	-1.56	0.001

Site Number: 302529

Code: ANSI/TIA-222-H

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

5/12/2021 4:37:09 PM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 1.50 in Radial Ice

18 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

		Shaft Forces		Discrete Forces			Linear Forces		Sum of Forces				
Seg			Dead		Torsion	Moment	Dead		Dead		Torsion	Moment	
Elev		Wind FX	Load	Wind FX	MY	MZ	Load	Wind FX	Load	Wind FX	Load	MY	MZ
(ft)	Description	(lb)	(lb)	(lb)	(lb-ft)	(lb-ft)	(lb)	(lb)	(lb)	(lb)	(lb)	(lb-ft)	(lb)
0.00		87.0	0.0					0.0	0.0	87.0	0.0	0.0	0.0
5.00		172.7	3,108.7					0.0	145.3	172.7	3,254.0	0.0	0.0
10.00		170.3	3,114.5					0.0	226.5	170.3	3,341.0	0.0	0.0
15.00		167.6	3,088.7					0.0	226.5	167.6	3,315.2	0.0	0.0
20.00		164.8	3,052.6					0.0	226.5	164.8	3,279.1	0.0	0.0
25.00		162.0	3,011.1					0.0	226.5	162.0	3,237.6	0.0	0.0
30.00		161.0	2,966.3					0.0	226.5	161.0	3,192.8	0.0	0.0
35.00		113.6	2,919.2					0.0	226.5	113.6	3,145.7	0.0	0.0
37.00	Bot - Section 2	83.2	1,155.5					0.0	90.6	83.2	1,246.1	0.0	0.0
40.00		135.6	2,792.5					0.0	135.9	135.6	2,928.4	0.0	0.0
45.00	Top - Section 1	171.4	4,583.2					0.0	226.5	171.4	4,809.7	0.0	0.0
50.00		173.3	2,323.0					0.0	226.5	173.3	2,549.5	0.0	0.0
55.00		174.7	2,281.2					0.0	226.5	174.7	2,507.7	0.0	0.0
60.00		175.5	2,238.7					0.0	226.5	175.5	2,465.2	0.0	0.0
65.00		176.0	2,195.6					0.0	226.5	176.0	2,422.1	0.0	0.0
70.00		176.1	2,151.9					0.0	226.5	176.1	2,378.4	0.0	0.0
75.00	Bot - Section 3	176.9	2,107.7					0.0	226.5	176.9	2,334.2	0.0	0.0
80.00		124.4	3,380.7					0.0	226.5	124.4	3,607.2	0.0	0.0
82.00	Top - Section 2	88.6	1,332.7					0.0	90.6	88.6	1,423.3	0.0	0.0
85.00		141.2	1,098.2					0.0	135.9	141.2	1,234.1	0.0	0.0
90.00		175.6	1,795.6					0.0	226.5	175.6	2,022.1	0.0	0.0
95.00		174.3	1,755.1					0.0	226.5	174.3	1,981.6	0.0	0.0
100.00		172.8	1,714.3					0.0	226.5	172.8	1,940.8	0.0	0.0
105.00		171.0	1,673.3					0.0	226.5	171.0	1,899.8	0.0	0.0
110.00		156.5	1,632.0					0.0	226.5	156.5	1,858.5	0.0	0.0
114.25	Bot - Section 4	84.2	1,355.4					0.0	192.5	84.2	1,547.9	0.0	0.0
115.00		46.5	403.2					0.0	34.0	46.5	437.1	0.0	0.0
117.00	Appurtenance(s)	84.2	1,066.5	55.7	0.0	0.0	516.9	0.0	90.6	139.9	1,674.0	0.0	0.0
120.00	Top - Section 3	133.4	1,577.3	123.9	0.0	0.0	327.2	0.0	135.9	257.3	2,040.3	0.0	0.0
125.00		164.8	1,533.1					0.0	197.0	164.8	1,730.1	0.0	0.0
130.00	Appurtenance(s)	162.2	1,491.0	828.7	0.0	0.0	7,055.3	0.0	197.0	990.9	8,743.3	0.0	0.0
135.00		159.4	1,448.8					0.0	173.6	159.4	1,622.4	0.0	0.0
140.00		110.2	1,406.4					0.0	173.6	110.2	1,580.0	0.0	0.0
142.00	Appurtenance(s)	77.5	552.3	853.2	0.0	0.0	5,296.7	0.0	69.4	930.7	5,918.5	0.0	0.0
145.00		122.3	814.8					0.0	54.3	122.3	869.1	0.0	0.0
150.00	Appurtenance(s)	150.3	1,321.2	957.3	0.0	0.0	6,037.5	0.0	90.5	1,107.7	7,449.1	0.0	0.0
155.00		147.1	1,278.3					0.0	45.4	147.1	1,323.7	0.0	0.0
160.00	Appurtenance(s)	72.7	1,235.4	339.8	0.0	0.0	2,359.4	0.0	45.4	412.5	3,640.1	0.0	0.0
Totals:										8,519.43	100,949.	0.00	0.00

Site Number: 302529

Code: ANSI/TIA-222-H

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

5/12/2021 4:37:12 PM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 1.50 in Radial Ice

18 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	-102.49	-8.66	0.00	-933.73	0.00	933.73	8,840.70	2,242.35	14,494.8	13,018.2	0.00	0.00	0.083
5.00	-99.23	-8.51	0.00	-890.45	0.00	890.45	8,737.81	2,202.98	13,990.3	12,639.0	0.01	-0.02	0.082
10.00	-95.89	-8.37	0.00	-847.90	0.00	847.90	8,633.05	2,163.61	13,494.8	12,262.6	0.03	-0.03	0.080
15.00	-92.57	-8.22	0.00	-806.08	0.00	806.08	8,526.42	2,124.24	13,008.2	11,888.9	0.08	-0.05	0.079
20.00	-89.29	-8.08	0.00	-764.97	0.00	764.97	8,417.92	2,084.87	12,530.5	11,518.3	0.13	-0.06	0.077
25.00	-86.05	-7.94	0.00	-724.58	0.00	724.58	8,307.56	2,045.50	12,061.8	11,150.8	0.21	-0.08	0.075
30.00	-82.85	-7.79	0.00	-684.91	0.00	684.91	8,195.31	2,006.13	11,602.0	10,786.6	0.30	-0.10	0.074
35.00	-79.71	-7.69	0.00	-645.94	0.00	645.94	8,081.20	1,966.75	11,151.1	10,425.9	0.41	-0.11	0.072
37.00	-78.46	-7.61	0.00	-630.56	0.00	630.56	8,035.03	1,951.01	10,973.3	10,282.6	0.46	-0.12	0.071
40.00	-75.53	-7.49	0.00	-607.72	0.00	607.72	7,965.22	1,927.38	10,709.2	10,068.7	0.53	-0.13	0.070
45.00	-70.72	-7.33	0.00	-570.27	0.00	570.27	5,682.57	1,492.82	8,259.56	7,167.53	0.68	-0.14	0.092
50.00	-68.17	-7.17	0.00	-533.64	0.00	533.64	5,610.67	1,462.20	7,924.21	6,930.64	0.83	-0.16	0.089
55.00	-65.66	-7.01	0.00	-497.80	0.00	497.80	5,536.90	1,431.58	7,595.82	6,695.24	1.01	-0.18	0.086
60.00	-63.19	-6.85	0.00	-462.76	0.00	462.76	5,461.26	1,400.96	7,274.37	6,461.47	1.21	-0.20	0.083
65.00	-60.77	-6.68	0.00	-428.54	0.00	428.54	5,383.74	1,370.33	6,959.87	6,229.47	1.43	-0.22	0.080
70.00	-58.39	-6.51	0.00	-395.13	0.00	395.13	5,304.36	1,339.71	6,652.32	5,999.40	1.66	-0.24	0.077
75.00	-56.05	-6.35	0.00	-362.56	0.00	362.56	5,223.10	1,309.09	6,351.73	5,771.40	1.92	-0.25	0.074
80.00	-52.44	-6.22	0.00	-330.84	0.00	330.84	5,139.97	1,278.47	6,058.08	5,545.62	2.20	-0.27	0.070
82.00	-51.02	-6.13	0.00	-318.41	0.00	318.41	4,187.73	1,102.30	5,253.96	4,550.48	2.31	-0.28	0.082
85.00	-49.79	-5.99	0.00	-300.02	0.00	300.02	4,151.14	1,086.55	5,104.92	4,445.82	2.49	-0.29	0.080
90.00	-47.76	-5.82	0.00	-270.05	0.00	270.05	4,088.64	1,060.30	4,861.29	4,272.35	2.81	-0.31	0.075
95.00	-45.78	-5.65	0.00	-240.94	0.00	240.94	4,024.28	1,034.06	4,623.62	4,100.24	3.14	-0.33	0.070
100.00	-43.84	-5.48	0.00	-212.68	0.00	212.68	3,958.05	1,007.81	4,391.90	3,929.62	3.49	-0.35	0.065
105.00	-41.94	-5.31	0.00	-185.27	0.00	185.27	3,889.94	981.56	4,166.13	3,760.65	3.86	-0.36	0.060
110.00	-40.08	-5.15	0.00	-158.71	0.00	158.71	3,819.97	955.31	3,946.33	3,593.46	4.25	-0.38	0.055
114.25	-38.53	-5.06	0.00	-136.82	0.00	136.82	3,759.02	933.00	3,764.18	3,452.87	4.60	-0.39	0.050
115.00	-38.09	-5.02	0.00	-133.02	0.00	133.02	3,748.12	929.07	3,732.48	3,428.21	4.66	-0.39	0.049
117.00	-36.42	-4.87	0.00	-122.99	0.00	122.99	3,718.86	918.57	3,648.61	3,362.69	4.82	-0.40	0.046
120.00	-34.38	-4.60	0.00	-108.39	0.00	108.39	3,718.63	918.48	3,647.95	3,362.17	5.08	-0.41	0.042
125.00	-32.65	-4.43	0.00	-85.38	0.00	85.38	3,644.16	892.24	3,442.46	3,199.89	5.51	-0.42	0.036
130.00	-23.92	-3.38	0.00	-63.22	0.00	63.22	3,567.82	865.99	3,242.93	3,039.89	5.95	-0.43	0.028
135.00	-22.29	-3.21	0.00	-46.33	0.00	46.33	3,489.60	839.74	3,049.35	2,882.33	6.40	-0.43	0.022
140.00	-20.72	-3.09	0.00	-30.28	0.00	30.28	3,409.52	813.49	2,861.73	2,727.34	6.86	-0.44	0.017
142.00	-14.80	-2.11	0.00	-24.10	0.00	24.10	3,376.96	802.99	2,788.35	2,666.10	7.04	-0.44	0.013
145.00	-13.94	-1.99	0.00	-17.76	0.00	17.76	3,327.57	787.25	2,680.06	2,575.08	7.32	-0.44	0.011
150.00	-6.50	-0.82	0.00	-7.83	0.00	7.83	3,221.56	761.00	2,504.36	2,409.11	7.78	-0.45	0.005
155.00	-5.17	-0.66	0.00	-3.73	0.00	3.73	3,110.44	734.75	2,334.61	2,244.97	8.25	-0.45	0.003
160.00	0.00	-0.62	0.00	-0.42	0.00	0.42	2,999.33	708.50	2,170.81	2,086.62	8.72	-0.45	0.000

Site Number: 302529

Code: ANSI/TIA-222-H

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

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Customer: VERIZON WIRELESS

Load Case: 1.0D + 1.0W

Serviceability 60 mph

18 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.00

Wind Load Factor :1.00

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces		Discrete Forces			Linear Forces		Sum of Forces				
		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		66.0	0.0					0.0	0.0	66.0	0.0	0.0	0.0
5.00		130.9	2,154.8					0.0	121.1	130.9	2,275.8	0.0	0.0
10.00		128.6	2,116.6					0.0	188.8	128.6	2,305.4	0.0	0.0
15.00		126.3	2,078.4					0.0	188.8	126.3	2,267.2	0.0	0.0
20.00		124.0	2,040.3					0.0	188.8	124.0	2,229.0	0.0	0.0
25.00		121.6	2,002.1					0.0	188.8	121.6	2,190.8	0.0	0.0
30.00		120.7	1,963.9					0.0	188.8	120.7	2,152.7	0.0	0.0
35.00		85.1	1,925.8					0.0	188.8	85.1	2,114.5	0.0	0.0
37.00	Bot - Section 2	62.3	759.6					0.0	75.5	62.3	835.1	0.0	0.0
40.00		101.4	2,019.5					0.0	113.3	101.4	2,132.7	0.0	0.0
45.00	Top - Section 1	128.0	3,311.5					0.0	188.8	128.0	3,500.2	0.0	0.0
50.00		129.3	1,432.4					0.0	188.8	129.3	1,621.1	0.0	0.0
55.00		130.1	1,402.7					0.0	188.8	130.1	1,591.4	0.0	0.0
60.00		130.5	1,373.0					0.0	188.8	130.5	1,561.8	0.0	0.0
65.00		130.6	1,343.3					0.0	188.8	130.6	1,532.1	0.0	0.0
70.00		130.5	1,313.6					0.0	188.8	130.5	1,502.4	0.0	0.0
75.00	Bot - Section 3	131.0	1,283.9					0.0	188.8	131.0	1,472.7	0.0	0.0
80.00		92.0	2,345.8					0.0	188.8	92.0	2,534.5	0.0	0.0
82.00	Top - Section 2	65.4	922.9					0.0	75.5	65.4	998.4	0.0	0.0
85.00		104.2	636.6					0.0	113.3	104.2	749.8	0.0	0.0
90.00		129.4	1,040.6					0.0	188.8	129.4	1,229.4	0.0	0.0
95.00		128.2	1,015.2					0.0	188.8	128.2	1,203.9	0.0	0.0
100.00		126.8	989.7					0.0	188.8	126.8	1,178.5	0.0	0.0
105.00		125.3	964.3					0.0	188.8	125.3	1,153.0	0.0	0.0
110.00		114.4	938.9					0.0	188.8	114.4	1,127.6	0.0	0.0
114.25	Bot - Section 4	61.5	778.0					0.0	160.4	61.5	938.5	0.0	0.0
115.00		34.0	273.1					0.0	28.3	34.0	301.4	0.0	0.0
117.00	Appurtenance(s)	61.4	722.6	35.5	0.0	0.0	195.0	0.0	75.5	96.9	993.1	0.0	0.0
120.00	Top - Section 3	97.1	1,068.6	110.2	0.0	0.0	79.2	0.0	113.3	207.3	1,261.0	0.0	0.0
125.00		119.8	877.7					0.0	164.1	119.8	1,041.9	0.0	0.0
130.00	Appurtenance(s)	117.6	852.3	724.9	0.0	0.0	3,423.5	0.0	164.1	842.5	4,439.9	0.0	0.0
135.00		115.3	826.8					0.0	144.6	115.3	971.5	0.0	0.0
140.00		79.5	801.4					0.0	144.6	79.5	946.0	0.0	0.0
142.00	Appurtenance(s)	55.8	313.4	776.5	0.0	0.0	1,938.5	0.0	57.9	832.3	2,309.8	0.0	0.0
145.00		87.9	462.5					0.0	45.2	87.9	507.7	0.0	0.0
150.00	Appurtenance(s)	107.8	750.5	823.9	0.0	0.0	2,752.3	0.0	75.4	931.7	3,578.2	0.0	0.0
155.00		105.1	725.0					0.0	37.8	105.1	762.8	0.0	0.0
160.00	Appurtenance(s)	51.9	699.6	252.1	0.0	0.0	1,500.0	0.0	37.8	303.9	2,237.4	0.0	0.0
Totals:										6,680.34	61,749.2	0.00	0.00

Site Number: 302529

Code: ANSI/TIA-222-H

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

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Customer: VERIZON WIRELESS

Load Case: 1.0D + 1.0W

Serviceability 60 mph

18 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	-61.92	-6.87	0.00	-747.49	0.00	747.49	8,840.70	2,242.35	14,494.8	13,018.2	0.00	0.00	0.064
5.00	-59.64	-6.75	0.00	-713.14	0.00	713.14	8,737.81	2,202.98	13,990.3	12,639.0	0.01	-0.01	0.063
10.00	-57.33	-6.64	0.00	-679.39	0.00	679.39	8,633.05	2,163.61	13,494.8	12,262.6	0.03	-0.03	0.062
15.00	-55.06	-6.52	0.00	-646.21	0.00	646.21	8,526.42	2,124.24	13,008.2	11,888.9	0.06	-0.04	0.061
20.00	-52.83	-6.41	0.00	-613.61	0.00	613.61	8,417.92	2,084.87	12,530.5	11,518.3	0.11	-0.05	0.060
25.00	-50.64	-6.29	0.00	-581.58	0.00	581.58	8,307.56	2,045.50	12,061.8	11,150.8	0.17	-0.06	0.058
30.00	-48.49	-6.18	0.00	-550.12	0.00	550.12	8,195.31	2,006.13	11,602.0	10,786.6	0.24	-0.08	0.057
35.00	-46.37	-6.10	0.00	-519.21	0.00	519.21	8,081.20	1,966.75	11,151.1	10,425.9	0.33	-0.09	0.056
37.00	-45.54	-6.04	0.00	-507.01	0.00	507.01	8,035.03	1,951.01	10,973.3	10,282.6	0.37	-0.09	0.055
40.00	-43.40	-5.94	0.00	-488.89	0.00	488.89	7,965.22	1,927.38	10,709.2	10,068.7	0.43	-0.10	0.054
45.00	-39.90	-5.82	0.00	-459.17	0.00	459.17	5,682.57	1,492.82	8,259.56	7,167.53	0.54	-0.11	0.071
50.00	-38.28	-5.70	0.00	-430.07	0.00	430.07	5,610.67	1,462.20	7,924.21	6,930.64	0.67	-0.13	0.069
55.00	-36.69	-5.57	0.00	-401.60	0.00	401.60	5,536.90	1,431.58	7,595.82	6,695.24	0.81	-0.14	0.067
60.00	-35.12	-5.45	0.00	-373.74	0.00	373.74	5,461.26	1,400.96	7,274.37	6,461.47	0.97	-0.16	0.064
65.00	-33.59	-5.32	0.00	-346.51	0.00	346.51	5,383.74	1,370.33	6,959.87	6,229.47	1.14	-0.17	0.062
70.00	-32.09	-5.19	0.00	-319.91	0.00	319.91	5,304.36	1,339.71	6,652.32	5,999.40	1.34	-0.19	0.059
75.00	-30.61	-5.07	0.00	-293.94	0.00	293.94	5,223.10	1,309.09	6,351.73	5,771.40	1.54	-0.20	0.057
80.00	-28.08	-4.97	0.00	-268.61	0.00	268.61	5,139.97	1,278.47	6,058.08	5,545.62	1.76	-0.22	0.054
82.00	-27.08	-4.90	0.00	-258.68	0.00	258.68	4,187.73	1,102.30	5,253.96	4,550.48	1.86	-0.23	0.063
85.00	-26.33	-4.80	0.00	-243.97	0.00	243.97	4,151.14	1,086.55	5,104.92	4,445.82	2.00	-0.23	0.061
90.00	-25.10	-4.67	0.00	-219.96	0.00	219.96	4,088.64	1,060.30	4,861.29	4,272.35	2.26	-0.25	0.058
95.00	-23.89	-4.55	0.00	-196.59	0.00	196.59	4,024.28	1,034.06	4,623.62	4,100.24	2.53	-0.26	0.054
100.00	-22.72	-4.42	0.00	-173.86	0.00	173.86	3,958.05	1,007.81	4,391.90	3,929.62	2.81	-0.28	0.050
105.00	-21.56	-4.29	0.00	-151.76	0.00	151.76	3,889.94	981.56	4,166.13	3,760.65	3.11	-0.29	0.046
110.00	-20.43	-4.18	0.00	-130.30	0.00	130.30	3,819.97	955.31	3,946.33	3,593.46	3.42	-0.31	0.042
114.25	-19.50	-4.11	0.00	-112.54	0.00	112.54	3,759.02	933.00	3,764.18	3,452.87	3.70	-0.32	0.038
115.00	-19.19	-4.08	0.00	-109.46	0.00	109.46	3,748.12	929.07	3,732.48	3,428.21	3.75	-0.32	0.037
117.00	-18.20	-3.98	0.00	-101.30	0.00	101.30	3,718.86	918.57	3,648.61	3,362.69	3.88	-0.32	0.035
120.00	-16.94	-3.77	0.00	-89.37	0.00	89.37	3,718.63	918.48	3,647.95	3,362.17	4.09	-0.33	0.031
125.00	-15.90	-3.64	0.00	-70.54	0.00	70.54	3,644.16	892.24	3,442.46	3,199.89	4.44	-0.34	0.026
130.00	-11.46	-2.77	0.00	-52.33	0.00	52.33	3,567.82	865.99	3,242.93	3,039.89	4.80	-0.35	0.020
135.00	-10.49	-2.65	0.00	-38.46	0.00	38.46	3,489.60	839.74	3,049.35	2,882.33	5.16	-0.35	0.016
140.00	-9.55	-2.57	0.00	-25.19	0.00	25.19	3,409.52	813.49	2,861.73	2,727.34	5.53	-0.36	0.012
142.00	-7.24	-1.72	0.00	-20.05	0.00	20.05	3,376.96	802.99	2,788.35	2,666.10	5.68	-0.36	0.010
145.00	-6.74	-1.63	0.00	-14.89	0.00	14.89	3,327.57	787.25	2,680.06	2,575.08	5.91	-0.36	0.008
150.00	-3.16	-0.68	0.00	-6.73	0.00	6.73	3,221.56	761.00	2,504.36	2,409.11	6.28	-0.36	0.004
155.00	-2.40	-0.57	0.00	-3.34	0.00	3.34	3,110.44	734.75	2,334.61	2,244.97	6.66	-0.36	0.002
160.00	0.00	-0.55	0.00	-0.50	0.00	0.50	2,999.33	708.50	2,170.81	2,086.62	7.04	-0.36	0.000

Site Number: 302529

Code: ANSI/TIA-222-H

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

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Customer: VERIZON WIRELESS

Equivalent Lateral Forces Method Analysis

Spectral Response Acceleration for Short Period (S_s):	0.18
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 Coefficient F_v :	2.40
Response Modification Coefficient (R):	1.50
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.19
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.09
Seismic Response Coefficient (C_s):	0.04
Upper Limit C_s	0.04
Lower Limit C_s	0.03
Period based on Rayleigh Method (sec):	1.61
Redundancy Factor (p):	1.00
Seismic Force Distribution Exponent (k):	1.56
Total Unfactored Dead Load:	61.92 k
Seismic Base Shear (E):	2.25 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)
37	157.50	737	1,931	0.030	69	913
36	152.50	763	1,900	0.030	68	945
35	147.50	826	1,953	0.031	69	1,023
34	143.50	508	1,150	0.018	41	629
33	141.00	371	819	0.013	29	460
32	137.50	946	2,006	0.032	71	1,172
31	132.50	971	1,944	0.031	69	1,203
30	127.50	1,016	1,916	0.030	68	1,259
29	122.50	1,042	1,846	0.029	66	1,291
28	118.50	1,182	1,988	0.031	71	1,464
27	116.00	798	1,299	0.020	46	989
26	114.63	301	481	0.008	17	373
25	112.13	938	1,449	0.023	52	1,163
24	107.50	1,128	1,630	0.026	58	1,397
23	102.50	1,153	1,548	0.024	55	1,428
22	97.50	1,178	1,464	0.023	52	1,460
21	92.50	1,204	1,378	0.022	49	1,491
20	87.50	1,229	1,290	0.020	46	1,523
19	83.50	750	732	0.012	26	929
18	81.00	998	929	0.015	33	1,237
17	77.50	2,535	2,203	0.035	78	3,140
16	72.50	1,473	1,154	0.018	41	1,824
15	67.50	1,502	1,053	0.017	37	1,861
14	62.50	1,532	953	0.015	34	1,898
13	57.50	1,562	853	0.013	30	1,935

Site Number: 302529

Code: ANSI/TIA-222-H

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

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Customer: VERIZON WIRELESS

12	52.50	1,591	755	0.012	27	1,972
11	47.50	1,621	658	0.010	23	2,008
10	42.50	3,500	1,195	0.019	42	4,336
9	38.50	2,133	624	0.010	22	2,642
8	36.00	835	220	0.003	8	1,035
7	32.50	2,115	475	0.007	17	2,620
6	27.50	2,153	373	0.006	13	2,667
5	22.50	2,191	278	0.004	10	2,714
4	17.50	2,229	191	0.003	7	2,761
3	12.50	2,267	115	0.002	4	2,809
2	7.50	2,305	53	0.001	2	2,856
1	2.50	2,276	9	0.000	0	2,819
Decibel DB844H90E-XY	160.00	168	451	0.007	16	208
Flat Low Profile Pla	160.00	1,500	4,026	0.063	143	1,858
Samsung Outdoor CBRS	150.00	13	32	0.001	1	16
Samsung RT4401-48A	150.00	56	135	0.002	5	69
Samsung B2/B66A RRH-	150.00	253	615	0.010	22	314
Samsung B5/B13 RRH-B	150.00	211	512	0.008	18	261
Raycap RRFDC-3315-PF	150.00	54	131	0.002	5	67
Samsung MT6407-77A	150.00	245	594	0.009	21	303
Andrew SBNHH-1D65B	150.00	304	738	0.012	26	377
Andrew LNX-6514DS-A1	150.00	116	283	0.004	10	144
Round Low Profile PI	150.00	1,500	3,641	0.057	129	1,858
Powerwave Allgon LGP	142.00	85	189	0.003	7	105
Raycap DC6-48-60-18-	142.00	20	45	0.001	2	25
Raycap DC6-48-60-18-	142.00	32	71	0.001	3	39
Ericsson RRUS 4478 B	142.00	180	401	0.006	14	223
Ericsson RRUS-11 (50	142.00	150	334	0.005	12	186
Ericsson RRUS 32 (50	142.00	152	340	0.005	12	189
Ericsson RRUS 32 B2	142.00	159	354	0.006	13	197
Powerwave Allgon 777	142.00	105	234	0.004	8	130
CCI HPA-65R-BUU-H6	142.00	306	682	0.011	24	379
Round T-Arm	142.00	750	1,672	0.026	59	929
Ericsson RRUS 4415 B	130.00	138	268	0.004	10	171
Ericsson Radio 4449	130.00	225	437	0.007	16	279
Ericsson 4424 B25	130.00	258	501	0.008	18	320
Ericsson Air6449 B41	130.00	312	606	0.010	22	387
RFS APX16DWV-16DWVS-	130.00	122	237	0.004	8	151
RFS APXVAALL24 43-U-	130.00	368	716	0.011	25	456
Round Platform w/ Ha	130.00	2,000	3,886	0.061	138	2,478
RFS APXV18-206517S-C	120.00	79	136	0.002	5	98
Flush Mounts	117.00	195	322	0.005	11	242
		61,917	63,404	1.000	2,254	76,705

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)
37	157.50	737	1,931	0.030	69	635
36	152.50	763	1,900	0.030	68	657
35	147.50	826	1,953	0.031	69	711
34	143.50	508	1,150	0.018	41	437
33	141.00	371	819	0.013	29	320
32	137.50	946	2,006	0.032	71	815
31	132.50	971	1,944	0.031	69	837
30	127.50	1,016	1,916	0.030	68	875
29	122.50	1,042	1,846	0.029	66	897
28	118.50	1,182	1,988	0.031	71	1,018
27	116.00	798	1,299	0.020	46	687
26	114.63	301	481	0.008	17	260
25	112.13	938	1,449	0.023	52	808

Site Number: 302529

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

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Customer: VERIZON WIRELESS

24	107.50	1,128	1,630	0.026	58	971
23	102.50	1,153	1,548	0.024	55	993
22	97.50	1,178	1,464	0.023	52	1,015
21	92.50	1,204	1,378	0.022	49	1,037
20	87.50	1,229	1,290	0.020	46	1,059
19	83.50	750	732	0.012	26	646
18	81.00	998	929	0.015	33	860
17	77.50	2,535	2,203	0.035	78	2,183
16	72.50	1,473	1,154	0.018	41	1,268
15	67.50	1,502	1,053	0.017	37	1,294
14	62.50	1,532	953	0.015	34	1,319
13	57.50	1,562	853	0.013	30	1,345
12	52.50	1,591	755	0.012	27	1,371
11	47.50	1,621	658	0.010	23	1,396
10	42.50	3,500	1,195	0.019	42	3,014
9	38.50	2,133	624	0.010	22	1,837
8	36.00	835	220	0.003	8	719
7	32.50	2,115	475	0.007	17	1,821
6	27.50	2,153	373	0.006	13	1,854
5	22.50	2,191	278	0.004	10	1,887
4	17.50	2,229	191	0.003	7	1,920
3	12.50	2,267	115	0.002	4	1,952
2	7.50	2,305	53	0.001	2	1,985
1	2.50	2,276	9	0.000	0	1,960
Decibel DB844H90E-XY	160.00	168	451	0.007	16	145
Flat Low Profile Pla	160.00	1,500	4,026	0.063	143	1,292
Samsung Outdoor CBRS	150.00	13	32	0.001	1	11
Samsung RT4401-48A	150.00	56	135	0.002	5	48
Samsung B2/B66A RRH-	150.00	253	615	0.010	22	218
Samsung B5/B13 RRH-B	150.00	211	512	0.008	18	182
Raycap RRFDC-3315-PF	150.00	54	131	0.002	5	46
Samsung MT6407-77A	150.00	245	594	0.009	21	211
Andrew SBNHH-1D65B	150.00	304	738	0.012	26	262
Andrew LNX-6514DS-A1	150.00	116	283	0.004	10	100
Round Low Profile PI	150.00	1,500	3,641	0.057	129	1,292
Powerwave Allgon LGP	142.00	85	189	0.003	7	73
Raycap DC6-48-60-18-	142.00	20	45	0.001	2	17
Raycap DC6-48-60-18-	142.00	32	71	0.001	3	27
Ericsson RRUS 4478 B	142.00	180	401	0.006	14	155
Ericsson RRUS-11 (50	142.00	150	334	0.005	12	129
Ericsson RRUS 32 (50	142.00	152	340	0.005	12	131
Ericsson RRUS 32 B2	142.00	159	354	0.006	13	137
Powerwave Allgon 777	142.00	105	234	0.004	8	90
CCI HPA-65R-BUU-H6	142.00	306	682	0.011	24	264
Round T-Arm	142.00	750	1,672	0.026	59	646
Ericsson RRUS 4415 B	130.00	138	268	0.004	10	119
Ericsson Radio 4449	130.00	225	437	0.007	16	194
Ericsson 4424 B25	130.00	258	501	0.008	18	222
Ericsson Air6449 B41	130.00	312	606	0.010	22	269
RFS APX16DWV-16DWVS-	130.00	122	237	0.004	8	105
RFS APXVAALL24 43-U-	130.00	368	716	0.011	25	317
Round Platform w/ Ha	130.00	2,000	3,886	0.061	138	1,722
RFS APXV18-206517S-C	120.00	79	136	0.002	5	68
Flush Mounts	117.00	195	322	0.005	11	168
		61,917	63,404	1.000	2,254	53,321

Site Number: 302529

Code: ANSI/TIA-222-H

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

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Customer: VERIZON WIRELESS

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	-73.89	-2.26	0.00	-268.61	0.00	268.61	8,840.70	2,242.35	14,494.8	13,018.2	0.00	0.00	0.029
5.00	-71.03	-2.26	0.00	-257.33	0.00	257.33	8,737.81	2,202.98	13,990.3	12,639.0	0.00	0.00	0.028
10.00	-68.22	-2.26	0.00	-246.03	0.00	246.03	8,633.05	2,163.61	13,494.8	12,262.6	0.01	-0.01	0.028
15.00	-65.46	-2.26	0.00	-234.72	0.00	234.72	8,526.42	2,124.24	13,008.2	11,888.9	0.02	-0.01	0.027
20.00	-62.74	-2.25	0.00	-223.43	0.00	223.43	8,417.92	2,084.87	12,530.5	11,518.3	0.04	-0.02	0.027
25.00	-60.08	-2.24	0.00	-212.16	0.00	212.16	8,307.56	2,045.50	12,061.8	11,150.8	0.06	-0.02	0.026
30.00	-57.46	-2.23	0.00	-200.94	0.00	200.94	8,195.31	2,006.13	11,602.0	10,786.6	0.09	-0.03	0.026
35.00	-56.42	-2.23	0.00	-189.78	0.00	189.78	8,081.20	1,966.75	11,151.1	10,425.9	0.12	-0.03	0.025
37.00	-53.78	-2.20	0.00	-185.33	0.00	185.33	8,035.03	1,951.01	10,973.3	10,282.6	0.13	-0.03	0.025
40.00	-49.44	-2.16	0.00	-178.72	0.00	178.72	7,965.22	1,927.38	10,709.2	10,068.7	0.15	-0.04	0.024
45.00	-47.44	-2.14	0.00	-167.91	0.00	167.91	5,682.57	1,492.82	8,259.56	7,167.53	0.20	-0.04	0.032
50.00	-45.46	-2.12	0.00	-157.20	0.00	157.20	5,610.67	1,462.20	7,924.21	6,930.64	0.24	-0.05	0.031
55.00	-43.53	-2.09	0.00	-146.62	0.00	146.62	5,536.90	1,431.58	7,595.82	6,695.24	0.29	-0.05	0.030
60.00	-41.63	-2.06	0.00	-136.17	0.00	136.17	5,461.26	1,400.96	7,274.37	6,461.47	0.35	-0.06	0.029
65.00	-39.77	-2.02	0.00	-125.88	0.00	125.88	5,383.74	1,370.33	6,959.87	6,229.47	0.42	-0.06	0.028
70.00	-37.95	-1.98	0.00	-115.77	0.00	115.77	5,304.36	1,339.71	6,652.32	5,999.40	0.49	-0.07	0.026
75.00	-34.81	-1.90	0.00	-105.85	0.00	105.85	5,223.10	1,309.09	6,351.73	5,771.40	0.56	-0.07	0.025
80.00	-33.57	-1.87	0.00	-96.33	0.00	96.33	5,139.97	1,278.47	6,058.08	5,545.62	0.64	-0.08	0.024
82.00	-32.64	-1.85	0.00	-92.59	0.00	92.59	4,187.73	1,102.30	5,253.96	4,550.48	0.68	-0.08	0.028
85.00	-31.12	-1.80	0.00	-87.05	0.00	87.05	4,151.14	1,086.55	5,104.92	4,445.82	0.73	-0.08	0.027
90.00	-29.63	-1.75	0.00	-78.05	0.00	78.05	4,088.64	1,060.30	4,861.29	4,272.35	0.82	-0.09	0.026
95.00	-28.17	-1.70	0.00	-69.30	0.00	69.30	4,024.28	1,034.06	4,623.62	4,100.24	0.92	-0.10	0.024
100.00	-26.74	-1.64	0.00	-60.80	0.00	60.80	3,958.05	1,007.81	4,391.90	3,929.62	1.02	-0.10	0.022
105.00	-25.34	-1.59	0.00	-52.58	0.00	52.58	3,889.94	981.56	4,166.13	3,760.65	1.13	-0.11	0.020
110.00	-24.18	-1.53	0.00	-44.65	0.00	44.65	3,819.97	955.31	3,946.33	3,593.46	1.24	-0.11	0.019
114.25	-23.80	-1.52	0.00	-38.13	0.00	38.13	3,759.02	933.00	3,764.18	3,452.87	1.34	-0.11	0.017
115.00	-22.82	-1.47	0.00	-36.99	0.00	36.99	3,748.12	929.07	3,732.48	3,428.21	1.36	-0.11	0.017
117.00	-21.11	-1.38	0.00	-34.05	0.00	34.05	3,718.86	918.57	3,648.61	3,362.69	1.41	-0.12	0.016
120.00	-19.72	-1.31	0.00	-29.90	0.00	29.90	3,718.63	918.48	3,647.95	3,362.17	1.48	-0.12	0.014
125.00	-18.46	-1.24	0.00	-23.34	0.00	23.34	3,644.16	892.24	3,442.46	3,199.89	1.61	-0.12	0.012
130.00	-13.02	-0.93	0.00	-17.13	0.00	17.13	3,567.82	865.99	3,242.93	3,039.89	1.73	-0.12	0.009
135.00	-11.85	-0.85	0.00	-12.50	0.00	12.50	3,489.60	839.74	3,049.35	2,882.33	1.86	-0.13	0.008
140.00	-11.39	-0.82	0.00	-8.24	0.00	8.24	3,409.52	813.49	2,861.73	2,727.34	2.00	-0.13	0.006
142.00	-8.36	-0.62	0.00	-6.60	0.00	6.60	3,376.96	802.99	2,788.35	2,666.10	2.05	-0.13	0.005
145.00	-7.33	-0.55	0.00	-4.74	0.00	4.74	3,327.57	787.25	2,680.06	2,575.08	2.13	-0.13	0.004
150.00	-2.98	-0.23	0.00	-1.99	0.00	1.99	3,221.56	761.00	2,504.36	2,409.11	2.26	-0.13	0.002
155.00	-2.07	-0.16	0.00	-0.82	0.00	0.82	3,110.44	734.75	2,334.61	2,244.97	2.40	-0.13	0.001
160.00	0.00	-0.16	0.00	0.00	0.00	0.00	2,999.33	708.50	2,170.81	2,086.62	2.53	-0.13	0.000

Site Number: 302529

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

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Customer: VERIZON WIRELESS

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	-51.36	-2.26	0.00	-266.98	0.00	266.98	8,840.70	2,242.35	14,494.8	13,018.2	0.00	0.00	0.026
5.00	-49.38	-2.26	0.00	-255.70	0.00	255.70	8,737.81	2,202.98	13,990.3	12,639.0	0.00	0.00	0.026
10.00	-47.42	-2.26	0.00	-244.41	0.00	244.41	8,633.05	2,163.61	13,494.8	12,262.6	0.01	-0.01	0.025
15.00	-45.50	-2.25	0.00	-233.13	0.00	233.13	8,526.42	2,124.24	13,008.2	11,888.9	0.02	-0.01	0.025
20.00	-43.62	-2.25	0.00	-221.86	0.00	221.86	8,417.92	2,084.87	12,530.5	11,518.3	0.04	-0.02	0.024
25.00	-41.76	-2.24	0.00	-210.63	0.00	210.63	8,307.56	2,045.50	12,061.8	11,150.8	0.06	-0.02	0.024
30.00	-39.94	-2.22	0.00	-199.45	0.00	199.45	8,195.31	2,006.13	11,602.0	10,786.6	0.09	-0.03	0.023
35.00	-39.22	-2.22	0.00	-188.34	0.00	188.34	8,081.20	1,966.75	11,151.1	10,425.9	0.12	-0.03	0.023
37.00	-37.39	-2.19	0.00	-183.91	0.00	183.91	8,035.03	1,951.01	10,973.3	10,282.6	0.13	-0.03	0.023
40.00	-34.37	-2.15	0.00	-177.33	0.00	177.33	7,965.22	1,927.38	10,709.2	10,068.7	0.15	-0.04	0.022
45.00	-32.97	-2.13	0.00	-166.57	0.00	166.57	5,682.57	1,492.82	8,259.56	7,167.53	0.20	-0.04	0.029
50.00	-31.60	-2.11	0.00	-155.92	0.00	155.92	5,610.67	1,462.20	7,924.21	6,930.64	0.24	-0.05	0.028
55.00	-30.26	-2.08	0.00	-145.39	0.00	145.39	5,536.90	1,431.58	7,595.82	6,695.24	0.29	-0.05	0.027
60.00	-28.94	-2.04	0.00	-135.01	0.00	135.01	5,461.26	1,400.96	7,274.37	6,461.47	0.35	-0.06	0.026
65.00	-27.65	-2.01	0.00	-124.79	0.00	124.79	5,383.74	1,370.33	6,959.87	6,229.47	0.41	-0.06	0.025
70.00	-26.38	-1.97	0.00	-114.75	0.00	114.75	5,304.36	1,339.71	6,652.32	5,999.40	0.48	-0.07	0.024
75.00	-24.19	-1.89	0.00	-104.91	0.00	104.91	5,223.10	1,309.09	6,351.73	5,771.40	0.56	-0.07	0.023
80.00	-23.33	-1.86	0.00	-95.46	0.00	95.46	5,139.97	1,278.47	6,058.08	5,545.62	0.64	-0.08	0.022
82.00	-22.69	-1.83	0.00	-91.75	0.00	91.75	4,187.73	1,102.30	5,253.96	4,550.48	0.67	-0.08	0.026
85.00	-21.63	-1.79	0.00	-86.25	0.00	86.25	4,151.14	1,086.55	5,104.92	4,445.82	0.72	-0.08	0.025
90.00	-20.59	-1.74	0.00	-77.33	0.00	77.33	4,088.64	1,060.30	4,861.29	4,272.35	0.81	-0.09	0.023
95.00	-19.58	-1.68	0.00	-68.65	0.00	68.65	4,024.28	1,034.06	4,623.62	4,100.24	0.91	-0.10	0.022
100.00	-18.59	-1.63	0.00	-60.22	0.00	60.22	3,958.05	1,007.81	4,391.90	3,929.62	1.01	-0.10	0.020
105.00	-17.61	-1.57	0.00	-52.08	0.00	52.08	3,889.94	981.56	4,166.13	3,760.65	1.12	-0.10	0.018
110.00	-16.81	-1.52	0.00	-44.22	0.00	44.22	3,819.97	955.31	3,946.33	3,593.46	1.23	-0.11	0.017
114.25	-16.55	-1.50	0.00	-37.77	0.00	37.77	3,759.02	933.00	3,764.18	3,452.87	1.33	-0.11	0.015
115.00	-15.86	-1.46	0.00	-36.64	0.00	36.64	3,748.12	929.07	3,732.48	3,428.21	1.35	-0.11	0.015
117.00	-14.67	-1.37	0.00	-33.73	0.00	33.73	3,718.86	918.57	3,648.61	3,362.69	1.40	-0.11	0.014
120.00	-13.71	-1.30	0.00	-29.62	0.00	29.62	3,718.63	918.48	3,647.95	3,362.17	1.47	-0.12	0.012
125.00	-12.83	-1.23	0.00	-23.12	0.00	23.12	3,644.16	892.24	3,442.46	3,199.89	1.59	-0.12	0.011
130.00	-9.05	-0.92	0.00	-16.97	0.00	16.97	3,567.82	865.99	3,242.93	3,039.89	1.72	-0.12	0.008
135.00	-8.23	-0.84	0.00	-12.39	0.00	12.39	3,489.60	839.74	3,049.35	2,882.33	1.85	-0.12	0.007
140.00	-7.91	-0.81	0.00	-8.17	0.00	8.17	3,409.52	813.49	2,861.73	2,727.34	1.98	-0.13	0.005
142.00	-5.81	-0.62	0.00	-6.54	0.00	6.54	3,376.96	802.99	2,788.35	2,666.10	2.03	-0.13	0.004
145.00	-5.10	-0.54	0.00	-4.69	0.00	4.69	3,327.57	787.25	2,680.06	2,575.08	2.11	-0.13	0.003
150.00	-2.07	-0.23	0.00	-1.97	0.00	1.97	3,221.56	761.00	2,504.36	2,409.11	2.25	-0.13	0.001
155.00	-1.44	-0.16	0.00	-0.81	0.00	0.81	3,110.44	734.75	2,334.61	2,244.97	2.38	-0.13	0.001
160.00	0.00	-0.16	0.00	0.00	0.00	0.00	2,999.33	708.50	2,170.81	2,086.62	2.51	-0.13	0.000

Site Number: 302529

Code: ANSI/TIA-222-H

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Site Name: Vernon CT 6, CT

Engineering Number:13668989_C3_04

5/12/2021 4:37:15 PM

Customer: VERIZON WIRELESS

Analysis Summary

Load Case	Reactions						Max Usage	
	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	29.70	0.00	74.29	0.00	0.00	3242.13	45.00	0.29
0.9D + 1.0W	29.70	0.00	55.71	0.00	0.00	3225.57	45.00	0.28
1.2D + 1.0Di + 1.0Wi	8.66	0.00	102.49	0.00	0.00	933.73	45.00	0.09
1.2D + 1.0Ev + 1.0Eh	2.26	0.00	73.89	0.00	0.00	268.61	45.00	0.03
0.9D - 1.0Ev + 1.0Eh	2.26	0.00	51.36	0.00	0.00	266.98	45.00	0.03
1.0D + 1.0W	6.87	0.00	61.92	0.00	0.00	747.49	45.00	0.07



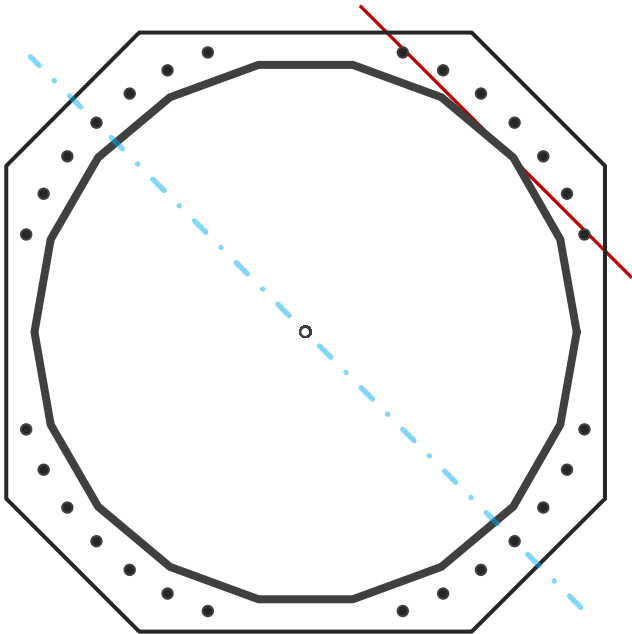
Base Plate & Anchor Rod Analysis

Pole Dimensions		
Number of Sides	18	-
Diameter	72.1296	in
Thickness	9/16	in
Orientation Offset		°

Base Reactions		
Moment, Mu	3,242.1	k-ft
Axial, Pu	74.3	k
Shear, Vu	29.7	k
Neutral Axis	315	°

Report Capacities		
Component	Capacity	Result
Base Plate	19%	Pass
Anchor Rods	30%	Pass
Dwyidag	-	-

Base Plate		
Shape	Square	-
Width	81	in
Thickness	3 1/4	in
Grade	A572-55	
Yield Strength, Fy	55	ksi
Tensile Strength, Fu	70	ksi
Clip	18	in
Orientation Offset		°
Anchor Rod Detail	d	η=0.5
Clear Distance	3	in
Applied Moment, Mu	1055.5	k
Bending Stress, φMn	5659.4	k



Original Anchor Rods		
Arrangement	Cluster	-
Quantity	28	-
Diameter, ø	2 1/4	in
Bolt Circle	80	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	6.0	in
Orientation Offset		°
Applied Force, Pu	72.1	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	29.7	3242.1	1.00
Anchor Rod Forces	29.7	3242.1	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	125.8284	6.9905	0.7402		80572.60
Bolt	3.9761	3.2477	0.8393	4.5	72771.75
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	Square	-
Width, W	81	in
Thickness, t	3.25	in
Yield Strength, Fy	55	ksi
Tensile Strength, Fu	70	ksi
Base Plate Chord	36.855	in
Detail Type	d	-
Detail Factor	0.50	-
Clear Distance	3	-

Anchor Rods		
Anchor Rod Quantity, N	28	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	80	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	72.1	k
Applied Shear, Vu	0.3	k
Compressive Capacity, ϕP_n	243.6	k
Tensile Capacity, ϕR_n	0.296	OK
Interaction Capacity	0.298	OK

External Base Plate		
Chord Length AA	42.297	in
Additional AA	1.000	in
Section Modulus, Z	114.330	in ³
Applied Moment, Mu	1055.5	k-ft
Bending Capacity, ϕM_n	5659.4	k-ft
Capacity, $M_u/\phi M_n$	0.187	OK
Chord Length AB	41.182	in
Additional AB	1.000	in
Section Modulus, Z	111.387	in ³
Applied Moment, Mu	858.9	k-ft
Bending Capacity, ϕM_n	5513.7	k-ft
Capacity, $M_u/\phi M_n$	0.156	OK
Bend Line Length	0.000	in
Additional Bend Line	0.000	in
Section Modulus, Z	0.000	in ³
Applied Moment, Mu	0.0	k-ft
Bending Capacity, ϕM_n	0.0	k-ft
Capacity, $M_u/\phi M_n$		

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, ϕM_n	0.0	k-ft
Capacity, $M_u/\phi M_n$		



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

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10050675
Maser Consulting Connecticut Project #: 21777584A

May 27, 2021

Site Information

Site ID: 468776-VZW / VERNON 3 CT
Site Name: VERNON 3 CT
Carrier Name: Verizon Wireless
Address: 777 Talcottville Road
Vernon, Connecticut 06066
Tolland County
Latitude: 41.863453°
Longitude: -72.483283°

Structure Information

Tower Type: Monopole
Mount Type: 12.50-Ft Platform

FUZE ID # 16232017

Analysis Results

Platform: **52.4% Pass***

**Results valid after hardware upgrades noted in the PMI Requirements are installed*

*****Contractor PMI Requirements:**

Included at the end of this MA report

Available & Submitted via portal at <https://pmi.vzwsmart.com>

Contractor - Please Review Specific Site PMI Requirements Upon Award

Requirements also Noted on Mount Modification Drawings

Requirements may also be Noted on A & E drawings

Report Prepared By: Andy Hanes

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS, Site ID: 675076, dated April 9, 2021
Mount Mapping Report	RKS Design & Engineering, LLC, Site ID: VZW:468776, dated April 14, 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: 1.50 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.992
Seismic Parameters:	S_s : 0.182 S_1 : 0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 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
149.00	150.00	3	Samsung	XXDWMM-12.5-65-8T-CBRS	Added
		3	Samsung	MT6407-77A	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	RFS	DB-B1-6C-12AB-0Z	
		6	Andrew	SBNHH-1D65B	Retained
		3	Andrew	LNx-6514DS-A1M	
		1	Raycap	RRFDC-3315-PF-48*	

* Equipment to be flush mounted directly to the monopole tower. They are not mounted on platform mount and are not included in this mount analysis.

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation and field observations. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - HSS (Rectangular) ASTM 500 (Gr. B-46)
 - Pipe ASTM A53 (Gr. B-35)
 - Threaded Rod F1554 (Gr. 36)
 - Bolts ASTM A325

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

Analysis Results:

Component	Utilization %	Pass/Fail
Connection	41.4 %	Pass
Standoff	16.4 %	Pass
Standoff Crossmember	52.4 %	Pass
Corner Plate	34.3 %	Pass
Grating Support	32.6 %	Pass
Cross Arm Plate	21.6 %	Pass
Face Horizontal	15.6 %	Pass
Kicker	9.4 %	Pass
Mount Pipe	46.4 %	Pass
Support Rail	20.9 %	Pass
Support Rail Connection	42.4 %	Pass

Structure Rating – (Controlling Utilization of all Components)	52.4%
---	--------------

Recommendation:

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

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

Attachments:

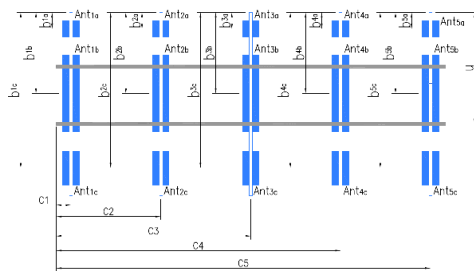
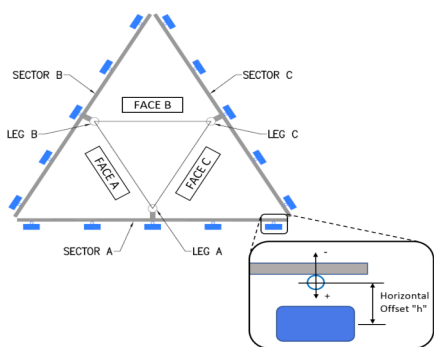
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
- 4. Contractor Required Post Installation Inspection (PMI) Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter



FCC #
UNKNOWN

Tower Owner:	ATC	Mapping Date:	4/14/2021
Site Name:	ATC : VERNON, VZW : VERNON 3 CT	Tower Type:	Monopole
Site Number or ID:	VZW : 468776	Tower Height (Ft.):	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	Mount Elevation (Ft.):	149.5

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



Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries (Unit = Inches)							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.375" Ø X 0.15" X 72" LONG	50.75	10.50	C1	PIPE 2.375" Ø X 0.15" X 72" LONG	50.00	11.00
A2	PIPE 2.375" Ø X 0.15" X 72" LONG	48.75	75.00	C2	PIPE 2.375" Ø X 0.15" X 72" LONG	49.50	75.00
A3	PIPE 2.375" Ø X 0.15" X 72" LONG	48.25	114.50	C3	PIPE 2.375" Ø X 0.15" X 72" LONG	49.25	118.50
A4	PIPE 2.375" Ø X 0.15" X 72" LONG	45.75	137.75	C4	PIPE 2.375" Ø X 0.15" X 72" LONG	46.00	143.50
A5				C5			
A6				C6			
B1	PIPE 2.375" Ø X 0.15" X 72" LONG	52.25	12.50	D1			
B2	PIPE 2.375" Ø X 0.15" X 72" LONG	48.25	75.50	D2			
B3	PIPE 2.375" Ø X 0.15" X 72" LONG	47.75	116.50	D3			
B4	PIPE 2.375" Ø X 0.15" X 72" LONG	46.25	142.25	D4			
B5				D5			
B6				D6			
Distance between bottom rail and bottom CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							7
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							6
Please enter additional information or comments below.							
Tower Face Width at Mount Elev. (ft.):				Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):			
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.							

[illegible]

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	TOTAL COAX (8) : (6)FH1-5/8, (2)1.5" Ø HYBRID	
2		
3		
4		
5		
6		
7		
8		

Observed Obstructions to Tower Lighting System		
If the tower lighting system is being obstructed by the carrier's equipment (for example: a light nested by the antennas), please provide photos and fill in the information below.		Photo #
Description of Obstruction:	TOTAL COAX (14) : (12)FH1-5/8, (2)1.5" Ø HYBRID	
Type of Light:		Photo #
Lighting Technology:		Photo #
Elevation (AGL) at base of light (Ft.):		Photo #
Is a service loop available?		Photo #
Is beacon installed on an extension?		Photo #
Additional Comments:		

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.



**PAUL J. FORD
& COMPANY**

Antenna Mount Mapping Form (PATENT PENDING)

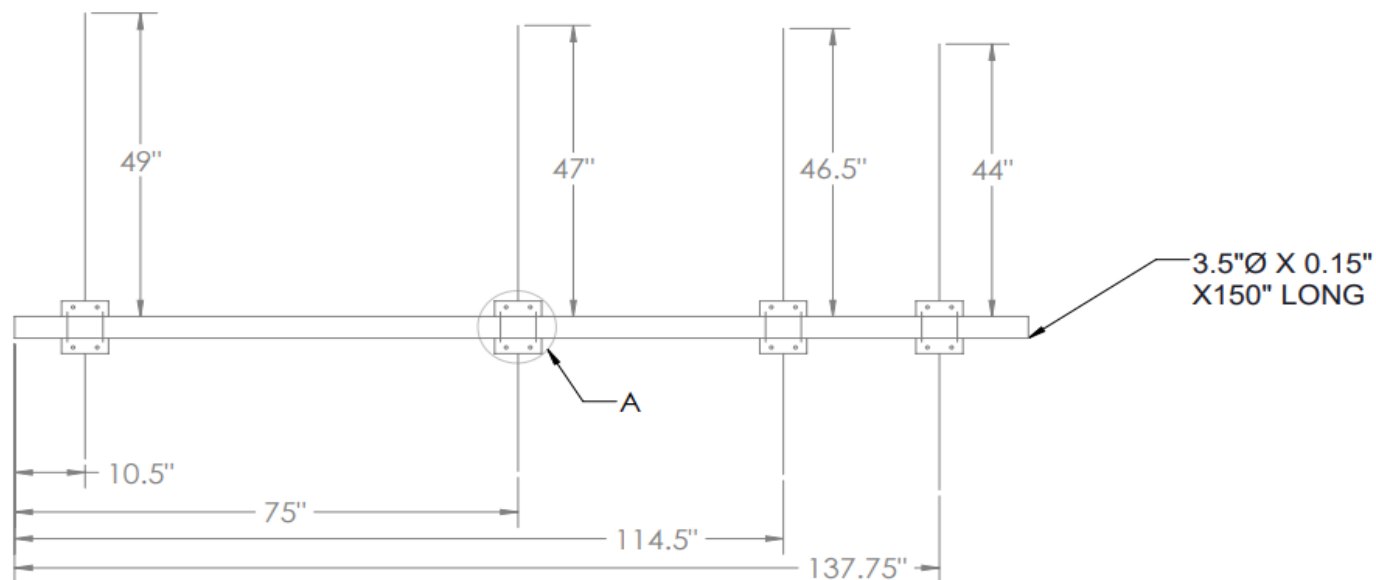
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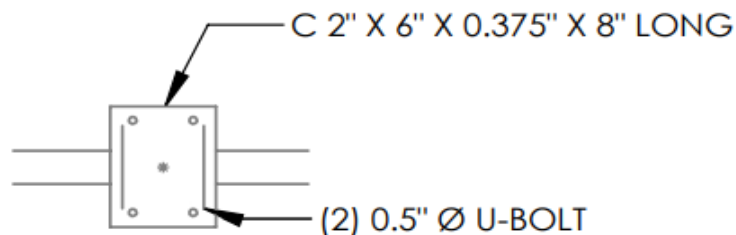
Tower Owner:	ATC	Mapping Date:	4/14/2021
Site Name:	ATC : VERNON, VZW : VERNON 3 CT	Tower Type:	Monopole
Site Number or ID:	VZW : 468776	Tower Height (Ft.):	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	Mount Elevation (Ft.):	149.5

This antenna mapping form is the property of TES and under **PATENT PENDING**. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warranting the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

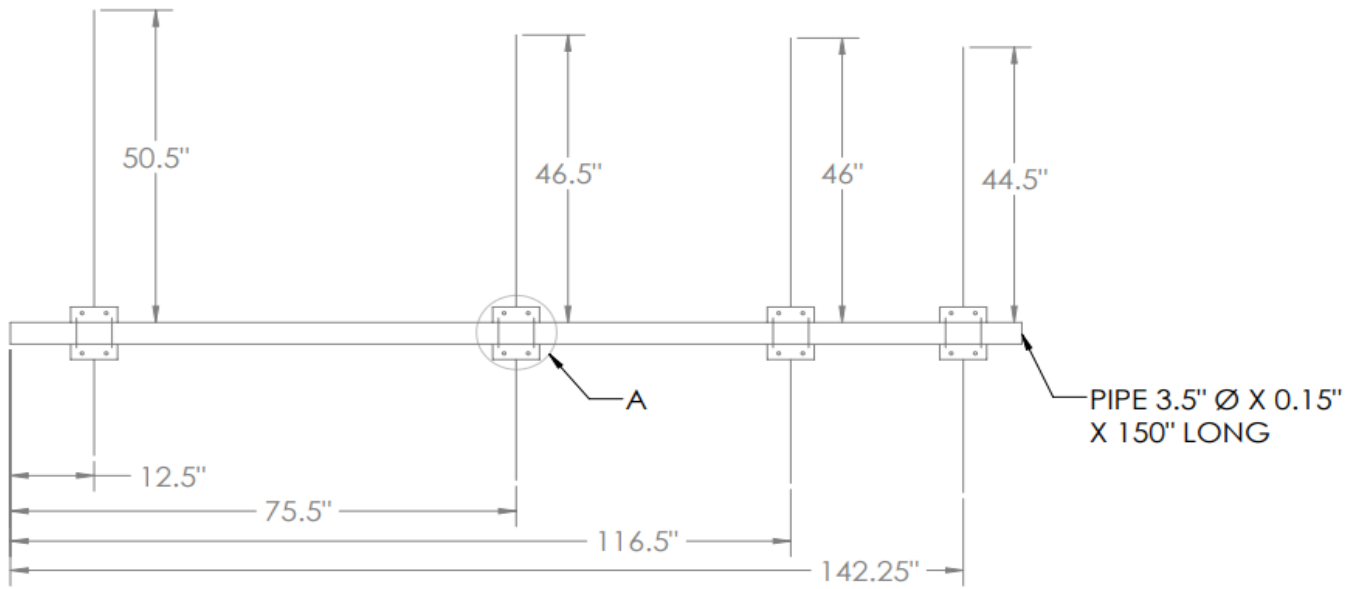
Please Insert Sketches of the Antenna Mount



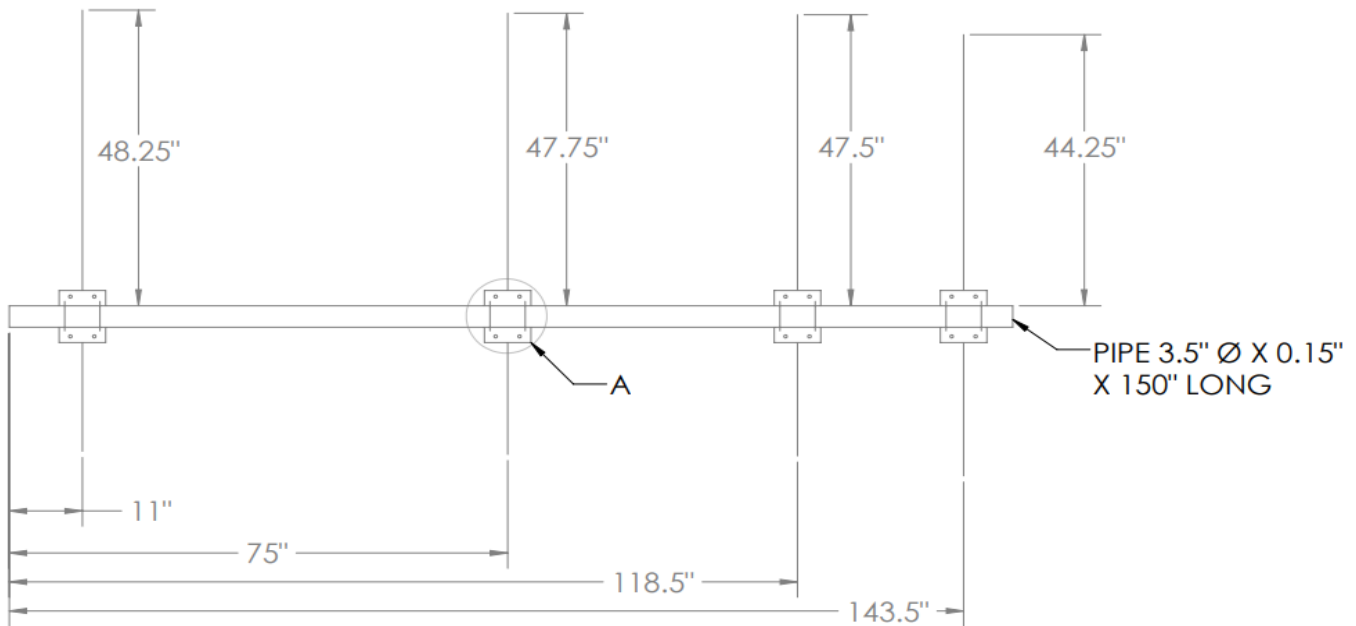
SECTOR A



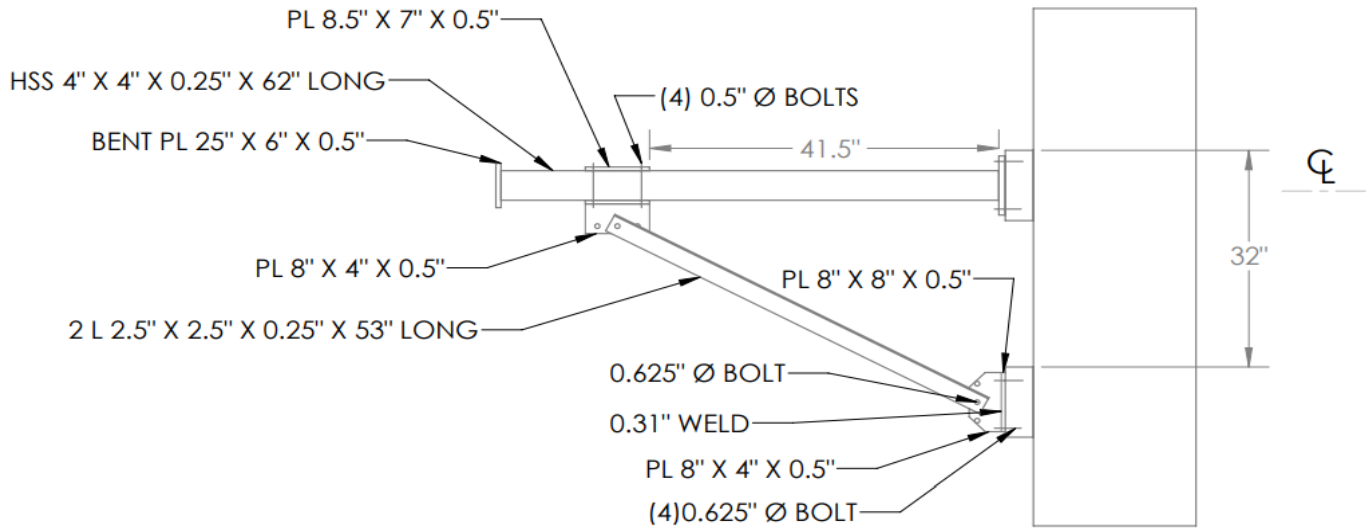
DETAIL A



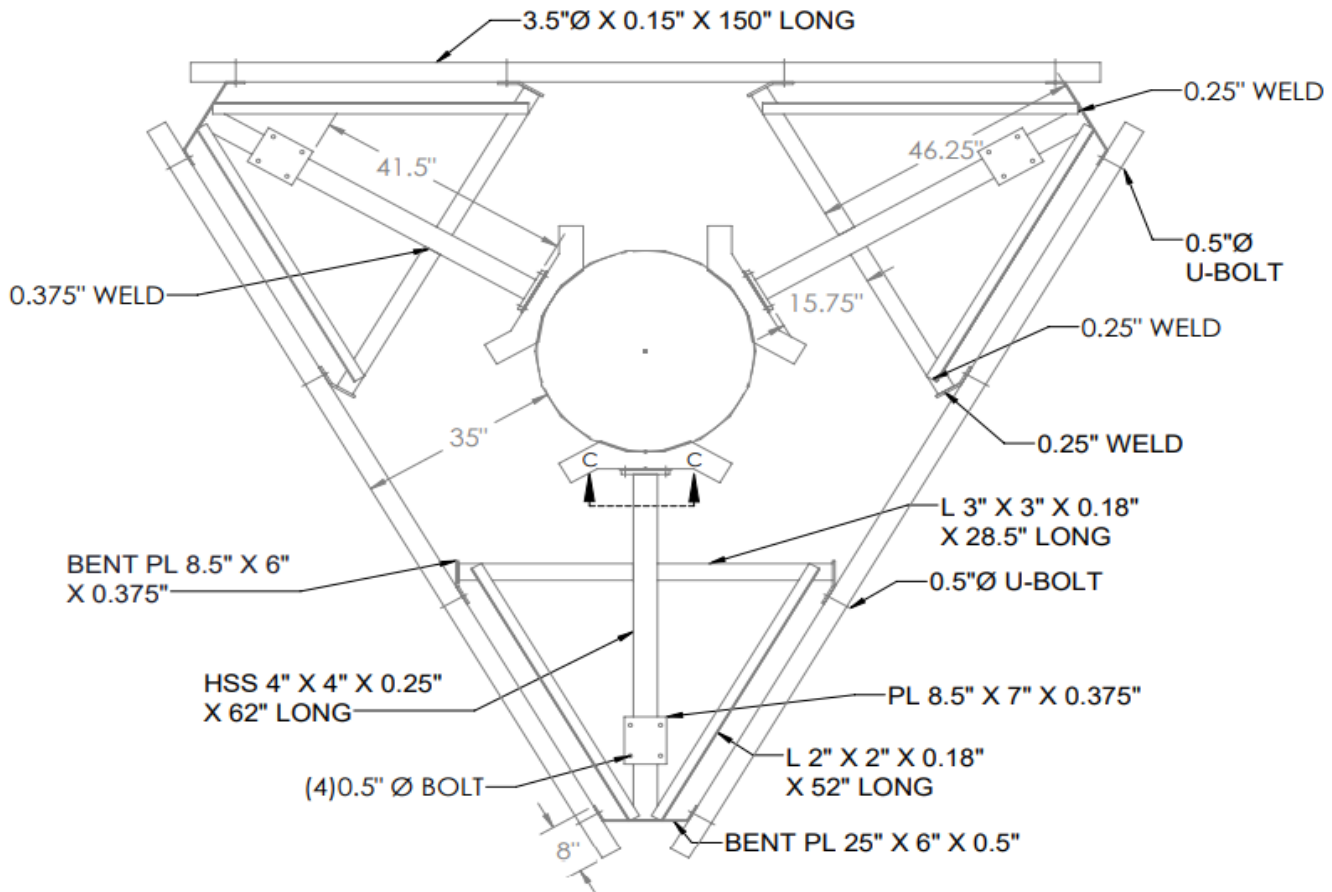
SECTOR B



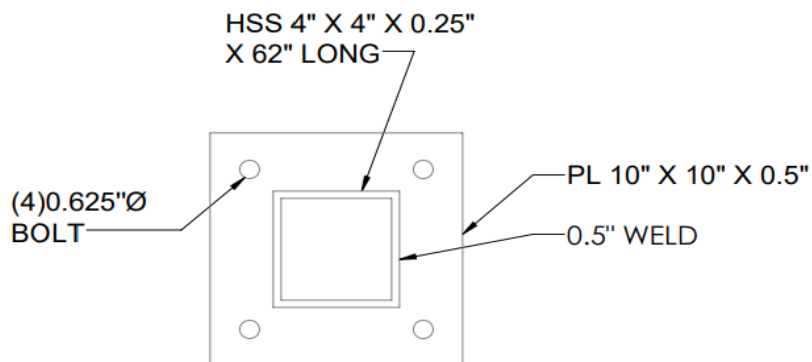
SECTOR C



STAND OFF VIEW

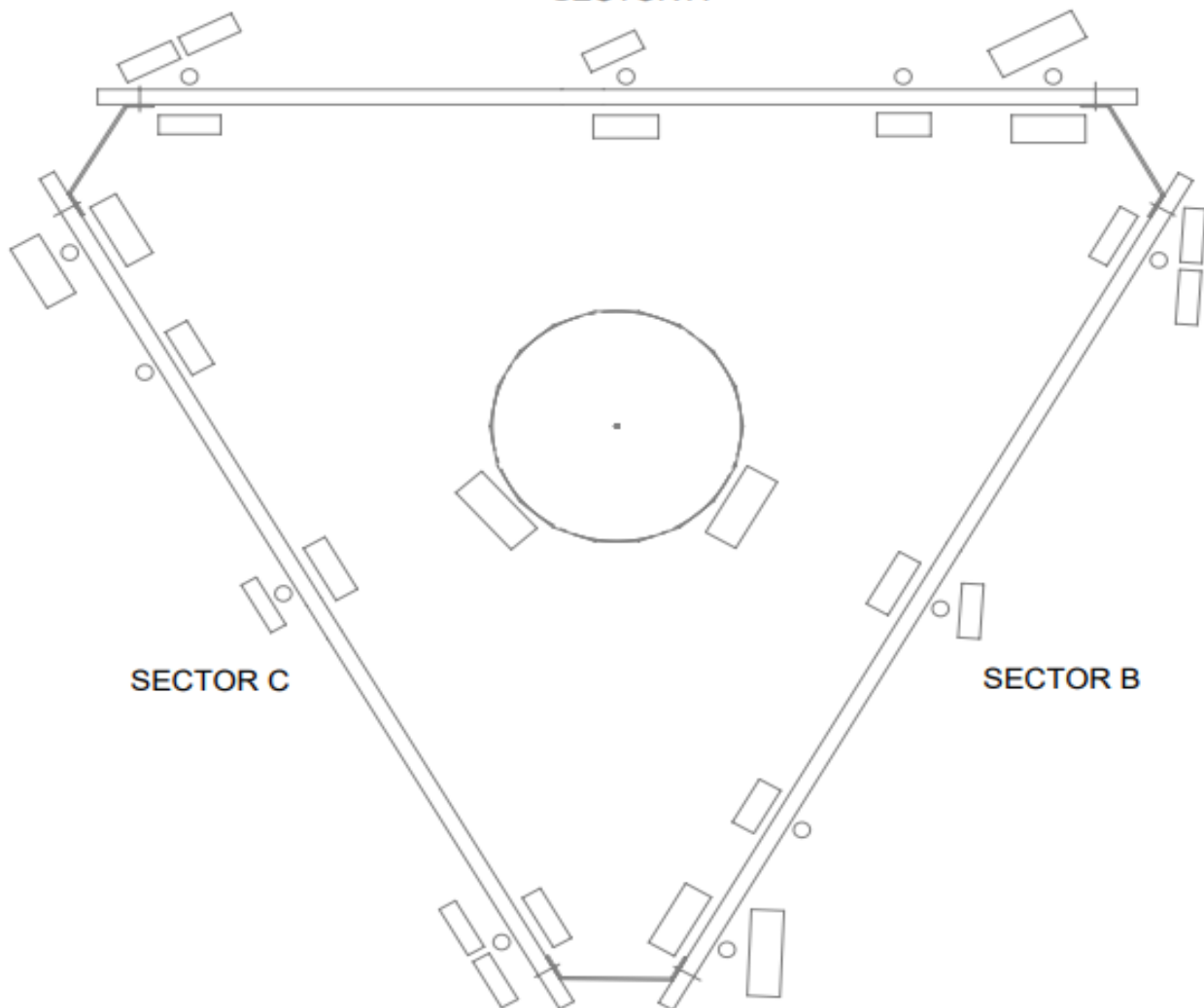


MOUNT PLAN VIEW



SECTION C-C

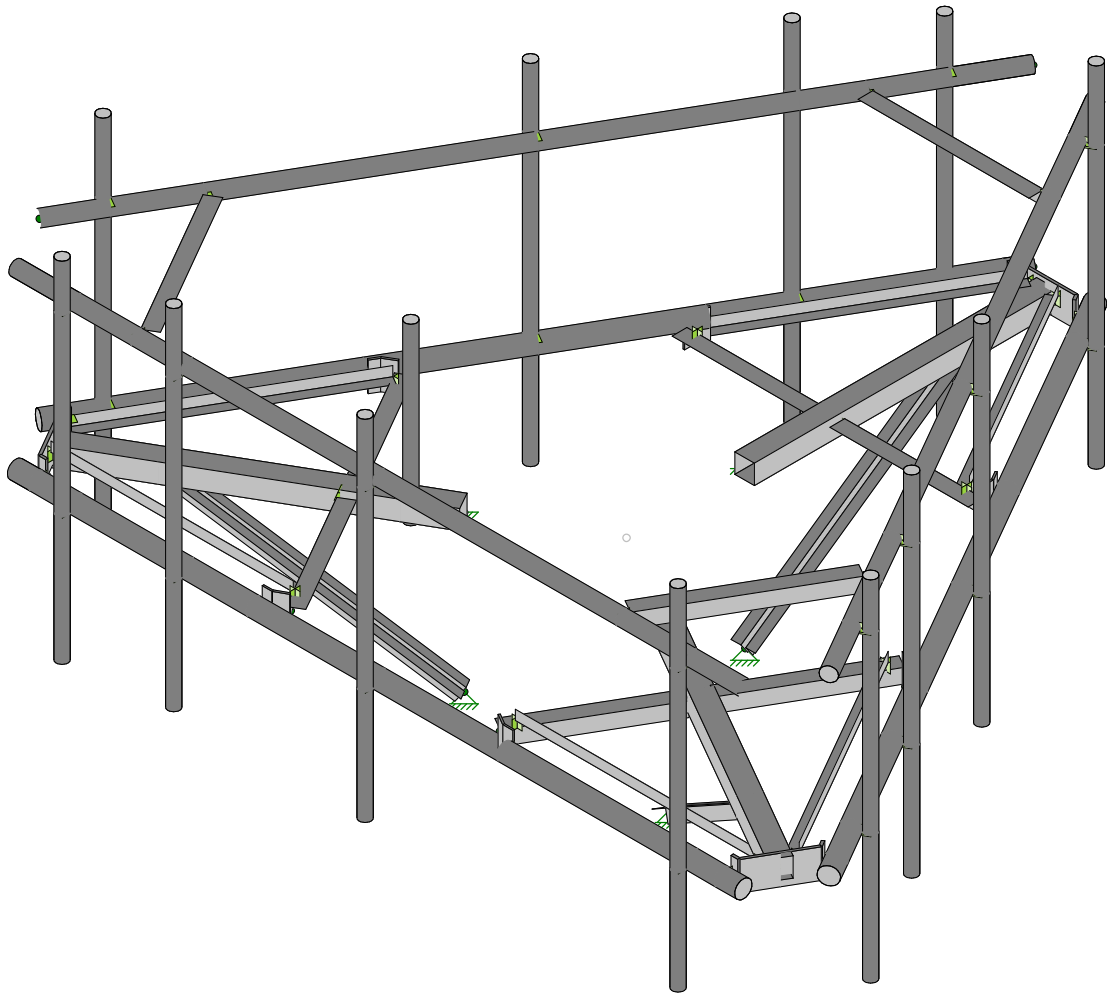
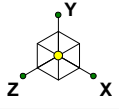
SECTOR A



SECTOR C

SECTOR B

ANTENNA PLAN VIEW



Envelope Only Solution

Maser Consulting

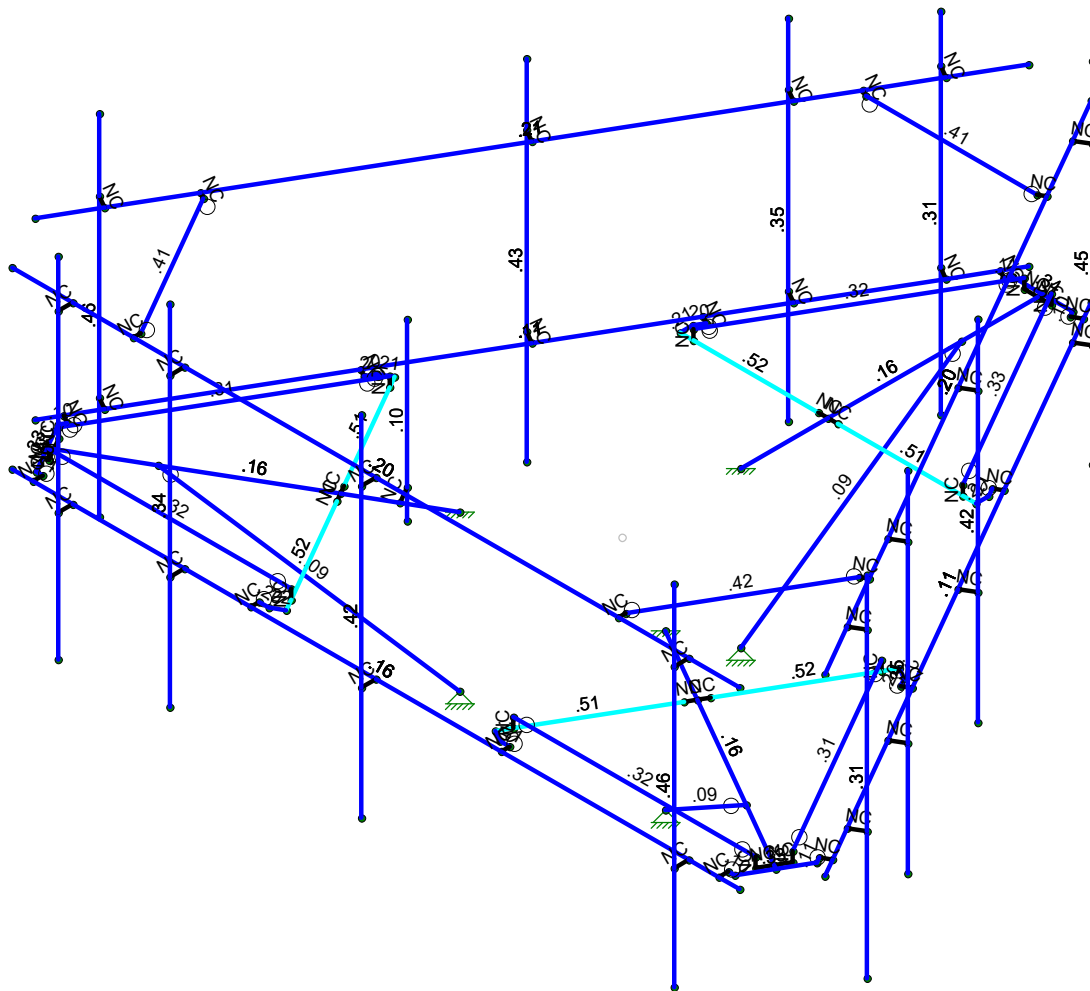
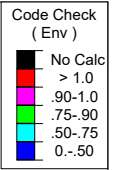
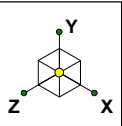
AJH

468776-VZW_MT_LO_H

SK - 1

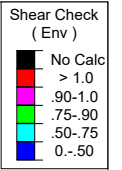
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468776-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

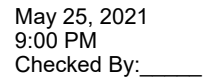
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Maser Consulting	468776-VZW_MT_LO_H	SK - 3
AJH		May 25, 2021 at 9:00 PM
		468776-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	Antenna D	None					102		
2	Antenna Di	None					102		
3	Antenna Wo (0 Deg)	None					102		
4	Antenna Wo (30 Deg)	None					102		
5	Antenna Wo (60 Deg)	None					102		
6	Antenna Wo (90 Deg)	None					102		
7	Antenna Wo (120 Deg)	None					102		
8	Antenna Wo (150 Deg)	None					102		
9	Antenna Wo (180 Deg)	None					102		
10	Antenna Wo (210 Deg)	None					102		
11	Antenna Wo (240 Deg)	None					102		
12	Antenna Wo (270 Deg)	None					102		
13	Antenna Wo (300 Deg)	None					102		
14	Antenna Wo (330 Deg)	None					102		
15	Antenna Wi (0 Deg)	None					102		
16	Antenna Wi (30 Deg)	None					102		
17	Antenna Wi (60 Deg)	None					102		
18	Antenna Wi (90 Deg)	None					102		
19	Antenna Wi (120 Deg)	None					102		
20	Antenna Wi (150 Deg)	None					102		
21	Antenna Wi (180 Deg)	None					102		
22	Antenna Wi (210 Deg)	None					102		
23	Antenna Wi (240 Deg)	None					102		
24	Antenna Wi (270 Deg)	None					102		
25	Antenna Wi (300 Deg)	None					102		
26	Antenna Wi (330 Deg)	None					102		
27	Antenna Wm (0 Deg)	None					102		
28	Antenna Wm (30 Deg)	None					102		
29	Antenna Wm (60 Deg)	None					102		
30	Antenna Wm (90 Deg)	None					102		
31	Antenna Wm (120 Deg)	None					102		
32	Antenna Wm (150 Deg)	None					102		
33	Antenna Wm (180 Deg)	None					102		
34	Antenna Wm (210 Deg)	None					102		
35	Antenna Wm (240 Deg)	None					102		
36	Antenna Wm (270 Deg)	None					102		
37	Antenna Wm (300 Deg)	None					102		
38	Antenna Wm (330 Deg)	None					102		
39	Structure D	None		-1					3
40	Structure Di	None						61	3
41	Structure Wo (0 Deg)	None						122	
42	Structure Wo (30 Deg)	None						122	
43	Structure Wo (60 Deg)	None						122	
44	Structure Wo (90 Deg)	None						122	
45	Structure Wo (120 D...	None						122	
46	Structure Wo (150 D...	None						122	
47	Structure Wo (180 D...	None						122	
48	Structure Wo (210 D...	None						122	
49	Structure Wo (240 D...	None						122	
50	Structure Wo (270 D...	None						122	
51	Structure Wo (300 D...	None						122	
52	Structure Wo (330 D...	None						122	
53	Structure Wi (0 Deg)	None						122	
54	Structure Wi (30 Deg)	None						122	
55	Structure Wi (60 Deg)	None						122	
56	Structure Wi (90 Deg)	None						122	

Page 2

Load Combinations (Continued)

Description	Sol...	P...	S...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...
27 1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1
28 1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1
29 1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1
30 1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1
31 1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1
32 1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1
33 1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1
34 1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1
35 1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1
36 1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1
37 1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1
38 1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1
39 1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1
40 1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1
41 1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1
42 1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1
43 1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1
44 1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1
45 1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1
46 1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1
47 1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1
48 1.2D + 1.5Lm2 + ...	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...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1
54 1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866
55 1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5
56 1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ	
57 1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5
58 1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866
59 1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1
60 1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866
61 1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5
62 1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ	
63 1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5
64 1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N3	-0.	0	-2.041667	0	
2	N5	-2.541667	0	-3.541667	0	
3	N6	2.315104	0.166667	-3.541667	0	
4	N7	-2.315104	0.166667	-3.541667	0	
5	N24	-0.	0	-3.541667	0	
6	N27	-0.	0	-7.229167	0	
7	CP	0	0	0	0	
8	N29	2.315104	0	-3.541667	0	
9	N30	-2.315104	0	-3.541667	0	
10	N101	2.541667	0	-3.541667	0	
11	N102	-0.166667	0	-3.541667	0	
12	N103A	0.166667	0	-3.541667	0	
13	N104A	-2.541667	0	-3.760417	0	
14	N105	2.541667	0	-3.760417	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N131	2.458333	0	-3.904754	0	
16	N135	0.571615	0	-7.13219	0	
17	N144	-2.458333	0	-3.904754	0	
18	N148	-0.571615	0	-7.13219	0	
19	N86A	2.584629	0	-3.977671	0	
20	N86B	-2.584629	0	-3.977671	0	
21	N86C	-0.515625	0	-7.229167	0	
22	N87A	0.515625	0	-7.229167	0	
23	N86D	0.715429	0	-7.215221	0	
24	N86E	-0.715429	0	-7.215221	0	
25	N88A	-0.	0	-7.145833	0	
26	N87C	0.234238	0.166667	-7.145833	0	
27	N86G	0.234238	0	-7.145833	0	
28	N87B	-0.234238	0.166667	-7.145833	0	
29	N88C	-0.234238	0	-7.145833	0	
30	N30A	-1.768135	0	1.020833	0	
31	N31	-1.79634	0	3.971981	0	
32	N32	-4.224725	0.166667	-0.234106	0	
33	N33	-1.909621	0.166667	3.775772	0	
34	N34	-3.067173	0	1.770833	0	
35	N35	-6.260642	0	3.614583	0	
36	N37	-4.224725	0	-0.234106	0	
37	N38	-1.909621	0	3.775772	0	
38	N39	-4.338007	0	-0.430315	0	
39	N40	-2.98384	0	1.915171	0	
40	N41	-3.150507	0	1.626496	0	
41	N42	-1.985783	0	4.081356	0	
42	N43	-4.52745	0	-0.32094	0	
43	N44	-4.610783	0	-0.176602	0	
44	N45	-6.462465	0	3.071062	0	
45	N46	-2.15245	0	4.081356	0	
46	N47	-5.89085	0	4.061128	0	
47	N48	-4.737079	0	-0.249519	0	
48	N49	-2.15245	0	4.22719	0	
49	N50	-6.002829	0	4.061128	0	
50	N51	-6.518454	0	3.168039	0	
51	N52	-6.606279	0	2.988031	0	
52	N53	-5.89085	0	4.22719	0	
53	N54	-6.188473	0	3.572917	0	
54	N55	-6.305592	0.166667	3.370061	0	
55	N56	-6.305592	0	3.370061	0	
56	N57	-6.071354	0.166667	3.775772	0	
57	N58	-6.071354	0	3.775772	0	
58	N59	1.768135	0	1.020833	0	
59	N60	4.338007	0	-0.430315	0	
60	N61	1.909621	0.166667	3.775772	0	
61	N62	4.224725	0.166667	-0.234106	0	
62	N63	3.067173	0	1.770833	0	
63	N64	6.260642	0	3.614583	0	
64	N66	1.909621	0	3.775772	0	
65	N67	4.224725	0	-0.234106	0	
66	N68	1.79634	0	3.971981	0	
67	N69	3.150507	0	1.626496	0	
68	N70	2.98384	0	1.915171	0	
69	N71	4.52745	0	-0.32094	0	
70	N72	1.985783	0	4.081356	0	
71	N73	2.15245	0	4.081356	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N74	5.89085	0	4.061128	0	
73	N75	4.610783	0	-0.176602	0	
74	N76	6.462465	0	3.071062	0	
75	N77	2.15245	0	4.22719	0	
76	N78	4.737079	0	-0.249519	0	
77	N79	6.518454	0	3.168039	0	
78	N80	6.002829	0	4.061128	0	
79	N81	5.89085	0	4.22719	0	
80	N82	6.606279	0	2.988031	0	
81	N83	6.188473	0	3.572917	0	
82	N84	6.071354	0.166667	3.775772	0	
83	N85	6.071354	0	3.775772	0	
84	N86	6.305592	0.166667	3.370061	0	
85	N87	6.305592	0	3.370061	0	
86	N86F	0.	0	4.22719	0	
87	N87D	6.25	0	4.22719	0	
88	N88	-6.25	0	4.22719	0	
89	N90	0.535854	0	-7.526254	0	
90	N91	6.785854	0	3.299064	0	
91	N93	-6.785854	0	3.299064	0	
92	N94	-0.535854	0	-7.526254	0	
93	N93A	-0.	-2.666667	-2.041667	0	
94	N94A	-1.768135	-2.666667	1.020833	0	
95	N95	1.768135	-2.666667	1.020833	0	
96	N96	-0.	0	-5.833333	0	
97	N98	-5.051815	0	2.916667	0	
98	N100	5.051815	0	2.916667	0	
99	N99	5.375	0	4.22719	0	
100	N100A	5.375	0	4.47719	0	
101	N101A	5.375	4.229167	4.47719	0	
102	N102A	5.375	-1.770833	4.47719	0	
103	N104	0.	0	4.47719	0	
104	N105A	0.	4.0625	4.47719	0	
105	N106	0.	-1.9375	4.47719	0	
106	N107	-3.291667	0	4.22719	0	
107	N108	-3.291667	0	4.47719	0	
108	N109	-3.291667	4.0625	4.47719	0	
109	N110	-3.291667	-1.9375	4.47719	0	
110	N111	-5.208333	0	4.22719	0	
111	N112	-5.208333	0	4.47719	0	
112	N113	-5.208333	3.8125	4.47719	0	
113	N114	-5.208333	-2.1875	4.47719	0	
114	N115	3.660854	0	-2.113595	0	
115	N116	0.973354	0	-6.768482	0	
116	N117	1.18986	0	-6.893482	0	
117	N118	1.18986	4.229167	-6.893482	0	
118	N119	1.18986	-1.770833	-6.893482	0	
119	N120	3.87736	0	-2.238595	0	
120	N121	3.87736	4.0625	-2.238595	0	
121	N122	3.87736	-1.9375	-2.238595	0	
122	N123	5.306687	0	0.737072	0	
123	N124	5.523194	0	0.612072	0	
124	N125	5.523194	4.0625	0.612072	0	
125	N126	5.523194	-1.9375	0.612072	0	
126	N127	6.265021	0	2.396954	0	
127	N128	6.481527	0	2.271954	0	
128	N129	6.481527	3.8125	2.271954	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N130	6.481527	-2.1875	2.271954	0	
130	N132	-3.660854	0	-2.113595	0	
131	N133	-6.348354	0	2.541292	0	
132	N134	-6.56486	0	2.416292	0	
133	N135A	-6.56486	4.229167	2.416292	0	
134	N136	-6.56486	-1.770833	2.416292	0	
135	N137	-3.87736	0	-2.238595	0	
136	N138	-3.87736	4.0625	-2.238595	0	
137	N139	-3.87736	-1.9375	-2.238595	0	
138	N140	-2.015021	0	-4.964262	0	
139	N141	-2.231527	0	-5.089262	0	
140	N142	-2.231527	4.0625	-5.089262	0	
141	N143	-2.231527	-1.9375	-5.089262	0	
142	N144A	-1.056687	0	-6.624144	0	
143	N145	-1.273194	0	-6.749144	0	
144	N146	-1.273194	3.8125	-6.749144	0	
145	N147	-1.273194	-2.1875	-6.749144	0	
146	N146A	-2.417654	0	1.395833	0	
147	N147A	-2.584321	0	1.107158	0	
148	N148A	-2.584321	-5	1.107158	0	
149	N149	-2.584321	2.5	1.107158	0	
150	N150	6.25	3	4.22719	0	
151	N151	-6.25	3	4.22719	0	
152	N152	0.535854	3	-7.526254	0	
153	N153	6.785854	3	3.299064	0	
154	N154	-6.785854	3	3.299064	0	
155	N155	-0.535854	3	-7.526254	0	
156	N156	4.166667	3	4.22719	0	
157	N157	-4.166667	3	4.22719	0	
158	N158	4.166667	3	4.10219	0	
159	N159	-4.166667	3	4.10219	0	
160	N161	1.577521	3	-5.722034	0	
161	N162	5.744187	3	1.494844	0	
162	N163	1.469267	3	-5.659534	0	
163	N164	5.635934	3	1.557344	0	
164	N166	-5.744187	3	1.494844	0	
165	N167	-1.577521	3	-5.722034	0	
166	N168	-5.635934	3	1.557344	0	
167	N169	-1.469267	3	-5.659534	0	
168	N168A	0	3	4.22719	0	
169	N169A	5.375	3	4.22719	0	
170	N170	5.375	3	4.47719	0	
171	N171	0	3	4.47719	0	
172	N172	-3.291667	3	4.22719	0	
173	N173	-3.291667	3	4.47719	0	
174	N174	-5.208333	3	4.22719	0	
175	N175	-5.208333	3	4.47719	0	
176	N176	3.660854	3	-2.113595	0	
177	N177	0.973354	3	-6.768482	0	
178	N178	1.18986	3	-6.893482	0	
179	N179	3.87736	3	-2.238595	0	
180	N180	5.306687	3	0.737072	0	
181	N181	5.523194	3	0.612072	0	
182	N182	6.265021	3	2.396954	0	
183	N183	6.481527	3	2.271954	0	
184	N184	-3.660854	3	-2.113595	0	
185	N185	-6.348354	3	2.541292	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N186	-6.56486	3	2.416292	0	
187	N187	-3.87736	3	-2.238595	0	
188	N188	-2.015021	3	-4.964262	0	
189	N189	-2.231527	3	-5.089262	0	
190	N190	-1.056687	3	-6.624144	0	
191	N191	-1.273194	3	-6.749144	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Ru...	A [in ²]	I _{yy} [in ⁴]	I _{zz} [in ⁴]	J [in ⁴]
1	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
4	Standoff Crossmember	L3X3X3	Beam	Single Angle	A36 Gr.36	Typical	1.09	.948	.948	.014
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Dual Antenna Mount Pipe	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Kicker	LL2.5x2.5x4	Column	Double Angl...	A36 Gr.36	Typical	2.375	2.628	1.406	.046
10	TES Kicker	L2.5x2x4	Column	Double Angl...	A36 Gr.36	Typical	1.07	.372	.656	.024
11	Support Rail	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
12	Support Rail Connection	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N3	N27			Standoff	Beam	SquareTube	A500 Gr.B...	Typical
2	M10	N101	N103A		180	Standoff Cross...	Beam	Single Angle	A36 Gr.36	Typical
3	M43	N102	N5		180	Standoff Cross...	Beam	Single Angle	A36 Gr.36	Typical
4	M46	N86C	N87A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
5	M35A	N7	N30			RIGID	None	None	RIGID	Typical
6	M36A	N6	N29			RIGID	None	None	RIGID	Typical
7	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
10	M58	N102	N24			RIGID	None	None	RIGID	Typical
11	M59	N24	N103A			RIGID	None	None	RIGID	Typical
12	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
13	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M79	N131	N86A			RIGID	None	None	RIGID	Typical
15	M80	N87A	N135			Corner Plate	Beam	RECT	A36 Gr.36	Typical
16	M83	N135	N86D			RIGID	None	None	RIGID	Typical
17	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

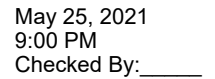
	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
18	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M88	N144	N86B			RIGID	None	None	RIGID	Typical
20	M91	N86C	N148			Corner Plate	Beam	RECT	A36 Gr.36	Typical
21	M92	N148	N86E			RIGID	None	None	RIGID	Typical
22	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
23	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
24	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
25	M25	N30A	N35			Standoff	Beam	SquareTube	A500 Gr.B...	Typical
26	M26	N39	N41		180	Standoff Cross...	Beam	Single Angle	A36 Gr.36	Typical
27	M27	N40	N31		180	Standoff Cross...	Beam	Single Angle	A36 Gr.36	Typical
28	M28	N50	N51			Corner Plate	Beam	RECT	A36 Gr.36	Typical
29	M29	N33	N38			RIGID	None	None	RIGID	Typical
30	M30	N32	N37			RIGID	None	None	RIGID	Typical
31	M31	N55	N32			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
32	M32	N33	N57			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M33	N57	N58			RIGID	None	None	RIGID	Typical
34	M34	N40	N34			RIGID	None	None	RIGID	Typical
35	M35	N34	N41			RIGID	None	None	RIGID	Typical
36	M36	N39	N43			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
37	M37	N43	N44			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
38	M38	N44	N48			RIGID	None	None	RIGID	Typical
39	M39	N51	N45			Corner Plate	Beam	RECT	A36 Gr.36	Typical
40	M40	N45	N52			RIGID	None	None	RIGID	Typical
41	M41	N31	N42			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
42	M42	N42	N46			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M43A	N46	N49			RIGID	None	None	RIGID	Typical
44	M44	N50	N47			Corner Plate	Beam	RECT	A36 Gr.36	Typical
45	M45	N47	N53			RIGID	None	None	RIGID	Typical
46	M46A	N58	N54			RIGID	None	None	RIGID	Typical
47	M47	N54	N56			RIGID	None	None	RIGID	Typical
48	M48	N55	N56			RIGID	None	None	RIGID	Typical
49	M49	N59	N64			Standoff	Beam	SquareTube	A500 Gr.B...	Typical
50	M50A	N68	N70		180	Standoff Cross...	Beam	Single Angle	A36 Gr.36	Typical
51	M51C	N69	N60		180	Standoff Cross...	Beam	Single Angle	A36 Gr.36	Typical
52	M52A	N79	N80			Corner Plate	Beam	RECT	A36 Gr.36	Typical
53	M53	N62	N67			RIGID	None	None	RIGID	Typical
54	M54	N61	N66			RIGID	None	None	RIGID	Typical
55	M55	N84	N61			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M56	N62	N86			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
57	M57	N86	N87			RIGID	None	None	RIGID	Typical
58	M58A	N69	N63			RIGID	None	None	RIGID	Typical
59	M59A	N63	N70			RIGID	None	None	RIGID	Typical
60	M60	N68	N72			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
61	M61	N72	N73			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
62	M62	N73	N77			RIGID	None	None	RIGID	Typical
63	M63	N80	N74			Corner Plate	Beam	RECT	A36 Gr.36	Typical
64	M64	N74	N81			RIGID	None	None	RIGID	Typical
65	M65	N60	N71			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
66	M66	N71	N75			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M67	N75	N78			RIGID	None	None	RIGID	Typical
68	M68	N79	N76			Corner Plate	Beam	RECT	A36 Gr.36	Typical
69	M69	N76	N82			RIGID	None	None	RIGID	Typical
70	M70	N87	N83			RIGID	None	None	RIGID	Typical
71	M71	N83	N85			RIGID	None	None	RIGID	Typical
72	M72	N84	N85			RIGID	None	None	RIGID	Typical
73	M73	N88	N87D			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M74	N91	N90			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
75	M75	N94	N93			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M76A	N98	N94A			Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
77	M77A	N100	N95			Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
78	M78	N96	N93A			Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
79	M79A	N99	N100A			RIGID	None	None	RIGID	Typical
80	MP1A	N101A	N102A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
81	M81	N86F	N104			RIGID	None	None	RIGID	Typical
82	MP2A	N105A	N106			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
83	M83A	N107	N108			RIGID	None	None	RIGID	Typical
84	MP3A	N109	N110			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
85	M85A	N111	N112			RIGID	None	None	RIGID	Typical
86	MP4A	N113	N114			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
87	M87	N116	N117			RIGID	None	None	RIGID	Typical
88	MP1C	N118	N119			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	M89	N115	N120			RIGID	None	None	RIGID	Typical
90	MP2C	N121	N122			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	M91A	N123	N124			RIGID	None	None	RIGID	Typical
92	MP3C	N125	N126			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
93	M93	N127	N128			RIGID	None	None	RIGID	Typical
94	MP4C	N129	N130			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
95	M95	N133	N134			RIGID	None	None	RIGID	Typical
96	MP1B	N135A	N136			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	M97	N132	N137			RIGID	None	None	RIGID	Typical
98	MP2B	N138	N139			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	M99	N140	N141			RIGID	None	None	RIGID	Typical
100	MP3B	N142	N143			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
101	M101	N144A	N145			RIGID	None	None	RIGID	Typical
102	MP4B	N146	N147			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
103	M103	N146A	N147A			RIGID	None	None	RIGID	Typical
104	M104	N149	N148A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
105	M105	N151	N150			Support Rail	Beam	Pipe	A53 Gr.B	Typical
106	M106	N153	N152			Support Rail	Beam	Pipe	A53 Gr.B	Typical
107	M107	N155	N154			Support Rail	Beam	Pipe	A53 Gr.B	Typical
108	M108	N157	N159			RIGID	None	None	RIGID	Typical
109	M109	N156	N158			RIGID	None	None	RIGID	Typical
110	M110	N162	N164			RIGID	None	None	RIGID	Typical
111	M111	N161	N163			RIGID	None	None	RIGID	Typical
112	M112	N167	N169			RIGID	None	None	RIGID	Typical
113	M113	N166	N168			RIGID	None	None	RIGID	Typical
114	M114	N168	N159		180	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
115	M115	N158	N164		180	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
116	M116	N163	N169		180	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
117	M117	N169A	N170			RIGID	None	None	RIGID	Typical
118	M118	N168A	N171			RIGID	None	None	RIGID	Typical
119	M119	N172	N173			RIGID	None	None	RIGID	Typical
120	M120	N174	N175			RIGID	None	None	RIGID	Typical
121	M121	N177	N178			RIGID	None	None	RIGID	Typical
122	M122	N176	N179			RIGID	None	None	RIGID	Typical
123	M123	N180	N181			RIGID	None	None	RIGID	Typical
124	M124	N182	N183			RIGID	None	None	RIGID	Typical
125	M125	N185	N186			RIGID	None	None	RIGID	Typical
126	M126	N184	N187			RIGID	None	None	RIGID	Typical
127	M127	N188	N189			RIGID	None	None	RIGID	Typical
128	M128	N190	N191			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat..	Analysis ...	Inactive	Seismic...
1	M4						Yes				None
2	M10						Yes	Default			None
3	M43						Yes	Default			None
4	M46						Yes	Default			None
5	M35A						Yes	** NA **			None
6	M36A						Yes	** NA **			None
7	M51B	OOOOOX	OOOOOX				Yes	Default			None
8	M52B	OOOOOX	OOOOOX				Yes	Default			None
9	M52						Yes	** NA **			None
10	M58						Yes	** NA **			None
11	M59						Yes	** NA **			None
12	M76						Yes	** NA **			None
13	M77						Yes	** NA **			None
14	M79		BenPIN				Yes	** NA **			None
15	M80						Yes				None
16	M83		BenPIN				Yes	** NA **			None
17	M84						Yes	** NA **			None
18	M85						Yes	** NA **			None
19	M88		BenPIN				Yes	** NA **			None
20	M91						Yes				None
21	M92		BenPIN				Yes	** NA **			None
22	M50						Yes	** NA **			None
23	M51						Yes	** NA **			None
24	M51A						Yes	** NA **			None
25	M25						Yes				None
26	M26						Yes	Default			None
27	M27						Yes	Default			None
28	M28						Yes	Default			None
29	M29						Yes	** NA **			None
30	M30						Yes	** NA **			None
31	M31	OOOOOX	OOOOOX				Yes	Default			None
32	M32	OOOOOX	OOOOOX				Yes	Default			None
33	M33						Yes	** NA **			None
34	M34						Yes	** NA **			None
35	M35						Yes	** NA **			None
36	M36						Yes	** NA **			None
37	M37						Yes	** NA **			None
38	M38		BenPIN				Yes	** NA **			None
39	M39						Yes				None
40	M40		BenPIN				Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43A		BenPIN				Yes	** NA **			None
44	M44						Yes				None
45	M45		BenPIN				Yes	** NA **			None
46	M46A						Yes	** NA **			None
47	M47						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	M49						Yes				None
50	M50A						Yes	Default			None
51	M51C						Yes	Default			None
52	M52A						Yes	Default			None
53	M53						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	M55	OOOOOX	OOOOOX				Yes	Default			None
56	M56	OOOOOX	OOOOOX				Yes	Default			None



	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
57	M57						Yes	** NA **			None
58	M58A						Yes	** NA **			None
59	M59A						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	M61						Yes	** NA **			None
62	M62		BenPIN				Yes	** NA **			None
63	M63						Yes				None
64	M64		BenPIN				Yes	** NA **			None
65	M65						Yes	** NA **			None
66	M66						Yes	** NA **			None
67	M67		BenPIN				Yes	** NA **			None
68	M68						Yes				None
69	M69		BenPIN				Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes				None
74	M74						Yes				None
75	M75						Yes				None
76	M76A	BenPIN					Yes	** NA **			None
77	M77A	BenPIN					Yes	** NA **			None
78	M78	BenPIN					Yes	** NA **			None
79	M79A						Yes	** NA **			None
80	MP1A						Yes	** NA **			None
81	M81						Yes	** NA **			None
82	MP2A						Yes	** NA **			None
83	M83A						Yes	** NA **			None
84	MP3A						Yes	** NA **			None
85	M85A						Yes	** NA **			None
86	MP4A						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	MP1C						Yes	** NA **			None
89	M89						Yes	** NA **			None
90	MP2C						Yes	** NA **			None
91	M91A						Yes	** NA **			None
92	MP3C						Yes	** NA **			None
93	M93						Yes	** NA **			None
94	MP4C						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	MP1B						Yes	** NA **			None
97	M97						Yes	** NA **			None
98	MP2B						Yes	** NA **			None
99	M99						Yes	** NA **			None
100	MP3B						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	MP4B						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes				None
106	M106						Yes				None
107	M107						Yes				None
108	M108	OOOOOX					Yes	** NA **			None
109	M109	OOOOOX					Yes	** NA **			None
110	M110	OOOOOX					Yes	** NA **			None
111	M111	OOOOOX					Yes	** NA **			None
112	M112	OOOOOX					Yes	** NA **			None
113	M113	OOOOOX					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...
114	M114						Yes				None
115	M115						Yes				None
116	M116						Yes				None
117	M117						Yes	** NA **			None
118	M118						Yes	** NA **			None
119	M119						Yes	** NA **			None
120	M120						Yes	** NA **			None
121	M121						Yes	** NA **			None
122	M122						Yes	** NA **			None
123	M123						Yes	** NA **			None
124	M124						Yes	** NA **			None
125	M125						Yes	** NA **			None
126	M126						Yes	** NA **			None
127	M127						Yes	** NA **			None
128	M128						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-4.4	4.5
2	MP3A	My	-.002	4.5
3	MP3A	Mz	-.001	4.5
4	MP3B	Y	-4.4	4.5
5	MP3B	My	.002	4.5
6	MP3B	Mz	-.000752	4.5
7	MP3C	Y	-4.4	4.5
8	MP3C	My	0	4.5
9	MP3C	Mz	.002	4.5
10	MP3A	Y	-43.55	.5
11	MP3A	My	-.019	.5
12	MP3A	Mz	-.011	.5
13	MP3A	Y	-43.55	2.5
14	MP3A	My	-.019	2.5
15	MP3A	Mz	-.011	2.5
16	MP3B	Y	-43.55	.5
17	MP3B	My	.02	.5
18	MP3B	Mz	-.007	.5
19	MP3B	Y	-43.55	2.5
20	MP3B	My	.02	2.5
21	MP3B	Mz	-.007	2.5
22	MP3C	Y	-43.55	.5
23	MP3C	My	0	.5
24	MP3C	Mz	.022	.5
25	MP3C	Y	-43.55	2.5
26	MP3C	My	0	2.5
27	MP3C	Mz	.022	2.5
28	MP2A	Y	-84.4	2.5
29	MP2A	My	.037	2.5
30	MP2A	Mz	.021	2.5
31	MP2B	Y	-84.4	2.5
32	MP2B	My	-.04	2.5
33	MP2B	Mz	.014	2.5
34	MP2C	Y	-84.4	2.5
35	MP2C	My	0	2.5
36	MP2C	Mz	-.042	2.5
37	MP1A	Y	-70.3	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
38	MP1A	My	.03	2.5
39	MP1A	Mz	.018	2.5
40	MP1B	Y	-70.3	2.5
41	MP1B	My	-.033	2.5
42	MP1B	Mz	.012	2.5
43	MP1C	Y	-70.3	2.5
44	MP1C	My	0	2.5
45	MP1C	Mz	-.035	2.5
46	M104	Y	-32	1.5
47	M104	My	0	1.5
48	M104	Mz	0	1.5
49	MP1A	Y	-20	.5
50	MP1A	My	-.014	.5
51	MP1A	Mz	.005	.5
52	MP1A	Y	-20	5.5
53	MP1A	My	-.014	5.5
54	MP1A	Mz	.005	5.5
55	MP1B	Y	-20	.5
56	MP1B	My	.005	.5
57	MP1B	Mz	-.014	.5
58	MP1B	Y	-20	5.5
59	MP1B	My	.005	5.5
60	MP1B	Mz	-.014	5.5
61	MP1C	Y	-20	.5
62	MP1C	My	.012	.5
63	MP1C	Mz	.01	.5
64	MP1C	Y	-20	5.5
65	MP1C	My	.012	5.5
66	MP1C	Mz	.01	5.5
67	MP1A	Y	-20	.5
68	MP1A	My	-.003	.5
69	MP1A	Mz	-.015	.5
70	MP1A	Y	-20	5.5
71	MP1A	My	-.003	5.5
72	MP1A	Mz	-.015	5.5
73	MP1B	Y	-20	.5
74	MP1B	My	.013	.5
75	MP1B	Mz	.008	.5
76	MP1B	Y	-20	5.5
77	MP1B	My	.013	5.5
78	MP1B	Mz	.008	5.5
79	MP1C	Y	-20	.5
80	MP1C	My	-.012	.5
81	MP1C	Mz	.01	.5
82	MP1C	Y	-20	5.5
83	MP1C	My	-.012	5.5
84	MP1C	Mz	.01	5.5
85	MP2A	Y	-16.55	.5
86	MP2A	My	-.007	.5
87	MP2A	Mz	-.004	.5
88	MP2A	Y	-16.55	5.5
89	MP2A	My	-.007	5.5
90	MP2A	Mz	-.004	5.5
91	MP2B	Y	-16.55	.5
92	MP2B	My	.008	.5
93	MP2B	Mz	-.003	.5
94	MP2B	Y	-16.55	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
95	MP2B	My	.008	5.5
96	MP2B	Mz	-.003	5.5
97	MP2C	Y	-16.55	.5
98	MP2C	My	0	.5
99	MP2C	Mz	.008	.5
100	MP2C	Y	-16.55	5.5
101	MP2C	My	0	5.5
102	MP2C	Mz	.008	5.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	Y	-23.077	4.5
2	MP3A	My	-.01	4.5
3	MP3A	Mz	-.006	4.5
4	MP3B	Y	-23.077	4.5
5	MP3B	My	.011	4.5
6	MP3B	Mz	-.004	4.5
7	MP3C	Y	-23.077	4.5
8	MP3C	My	0	4.5
9	MP3C	Mz	.012	4.5
10	MP3A	Y	-56.996	.5
11	MP3A	My	-.025	.5
12	MP3A	Mz	-.014	.5
13	MP3A	Y	-56.996	2.5
14	MP3A	My	-.025	2.5
15	MP3A	Mz	-.014	2.5
16	MP3B	Y	-56.996	.5
17	MP3B	My	.027	.5
18	MP3B	Mz	-.01	.5
19	MP3B	Y	-56.996	2.5
20	MP3B	My	.027	2.5
21	MP3B	Mz	-.01	2.5
22	MP3C	Y	-56.996	.5
23	MP3C	My	0	.5
24	MP3C	Mz	.028	.5
25	MP3C	Y	-56.996	2.5
26	MP3C	My	0	2.5
27	MP3C	Mz	.028	2.5
28	MP2A	Y	-72.453	2.5
29	MP2A	My	.031	2.5
30	MP2A	Mz	.018	2.5
31	MP2B	Y	-72.453	2.5
32	MP2B	My	-.034	2.5
33	MP2B	Mz	.012	2.5
34	MP2C	Y	-72.453	2.5
35	MP2C	My	0	2.5
36	MP2C	Mz	-.036	2.5
37	MP1A	Y	-65.422	2.5
38	MP1A	My	.028	2.5
39	MP1A	Mz	.016	2.5
40	MP1B	Y	-65.422	2.5
41	MP1B	My	-.031	2.5
42	MP1B	Mz	.011	2.5
43	MP1C	Y	-65.422	2.5
44	MP1C	My	0	2.5
45	MP1C	Mz	-.033	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
46	M104	Y	-120.94	1.5
47	M104	My	0	1.5
48	M104	Mz	0	1.5
49	MP1A	Y	-97.283	.5
50	MP1A	My	-.07	.5
51	MP1A	Mz	.025	.5
52	MP1A	Y	-97.283	5.5
53	MP1A	My	-.07	5.5
54	MP1A	Mz	.025	5.5
55	MP1B	Y	-97.283	.5
56	MP1B	My	.026	.5
57	MP1B	Mz	-.07	.5
58	MP1B	Y	-97.283	5.5
59	MP1B	My	.026	5.5
60	MP1B	Mz	-.07	5.5
61	MP1C	Y	-97.283	.5
62	MP1C	My	.057	.5
63	MP1C	Mz	.049	.5
64	MP1C	Y	-97.283	5.5
65	MP1C	My	.057	5.5
66	MP1C	Mz	.049	5.5
67	MP1A	Y	-97.283	.5
68	MP1A	My	-.014	.5
69	MP1A	Mz	-.073	.5
70	MP1A	Y	-97.283	5.5
71	MP1A	My	-.014	5.5
72	MP1A	Mz	-.073	5.5
73	MP1B	Y	-97.283	.5
74	MP1B	My	.065	.5
75	MP1B	Mz	.037	.5
76	MP1B	Y	-97.283	5.5
77	MP1B	My	.065	5.5
78	MP1B	Mz	.037	5.5
79	MP1C	Y	-97.283	.5
80	MP1C	My	-.057	.5
81	MP1C	Mz	.049	.5
82	MP1C	Y	-97.283	5.5
83	MP1C	My	-.057	5.5
84	MP1C	Mz	.049	5.5
85	MP2A	Y	-96.545	.5
86	MP2A	My	-.042	.5
87	MP2A	Mz	-.024	.5
88	MP2A	Y	-96.545	5.5
89	MP2A	My	-.042	5.5
90	MP2A	Mz	-.024	5.5
91	MP2B	Y	-96.545	.5
92	MP2B	My	.045	.5
93	MP2B	Mz	-.017	.5
94	MP2B	Y	-96.545	5.5
95	MP2B	My	.045	5.5
96	MP2B	Mz	-.017	5.5
97	MP2C	Y	-96.545	.5
98	MP2C	My	0	.5
99	MP2C	Mz	.048	.5
100	MP2C	Y	-96.545	5.5
101	MP2C	My	0	5.5
102	MP2C	Mz	.048	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	4.5
2	MP3A	Z	-29.582	4.5
3	MP3A	Mx	.007	4.5
4	MP3B	X	0	4.5
5	MP3B	Z	-33.541	4.5
6	MP3B	Mx	.006	4.5
7	MP3C	X	0	4.5
8	MP3C	Z	-7.26	4.5
9	MP3C	Mx	-.004	4.5
10	MP3A	X	0	.5
11	MP3A	Z	-82.885	.5
12	MP3A	Mx	.021	.5
13	MP3A	X	0	2.5
14	MP3A	Z	-82.885	2.5
15	MP3A	Mx	.021	2.5
16	MP3B	X	0	.5
17	MP3B	Z	-90.797	.5
18	MP3B	Mx	.016	.5
19	MP3B	X	0	2.5
20	MP3B	Z	-90.797	2.5
21	MP3B	Mx	.016	2.5
22	MP3C	X	0	.5
23	MP3C	Z	-38.271	.5
24	MP3C	Mx	-.019	.5
25	MP3C	X	0	2.5
26	MP3C	Z	-38.271	2.5
27	MP3C	Mx	-.019	2.5
28	MP2A	X	0	2.5
29	MP2A	Z	-71.341	2.5
30	MP2A	Mx	-.018	2.5
31	MP2B	X	0	2.5
32	MP2B	Z	-74.772	2.5
33	MP2B	Mx	-.013	2.5
34	MP2C	X	0	2.5
35	MP2C	Z	-51.998	2.5
36	MP2C	Mx	.026	2.5
37	MP1A	X	0	2.5
38	MP1A	Z	-68.871	2.5
39	MP1A	Mx	-.017	2.5
40	MP1B	X	0	2.5
41	MP1B	Z	-73.616	2.5
42	MP1B	Mx	-.013	2.5
43	MP1C	X	0	2.5
44	MP1C	Z	-42.118	2.5
45	MP1C	Mx	.021	2.5
46	M104	X	0	1.5
47	M104	Z	-151.422	1.5
48	M104	Mx	0	1.5
49	MP1A	X	0	.5
50	MP1A	Z	-155.35	.5
51	MP1A	Mx	-.04	.5
52	MP1A	X	0	5.5
53	MP1A	Z	-155.35	5.5
54	MP1A	Mx	-.04	5.5
55	MP1B	X	0	.5
56	MP1B	Z	-162.997	.5
57	MP1B	Mx	.117	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1B	X	0	5.5
59	MP1B	Z	-162.997	5.5
60	MP1B	Mx	.117	5.5
61	MP1C	X	0	.5
62	MP1C	Z	-112.238	.5
63	MP1C	Mx	-.056	.5
64	MP1C	X	0	5.5
65	MP1C	Z	-112.238	5.5
66	MP1C	Mx	-.056	5.5
67	MP1A	X	0	.5
68	MP1A	Z	-155.35	.5
69	MP1A	Mx	.117	.5
70	MP1A	X	0	5.5
71	MP1A	Z	-155.35	5.5
72	MP1A	Mx	.117	5.5
73	MP1B	X	0	.5
74	MP1B	Z	-162.997	.5
75	MP1B	Mx	-.061	.5
76	MP1B	X	0	5.5
77	MP1B	Z	-162.997	5.5
78	MP1B	Mx	-.061	5.5
79	MP1C	X	0	.5
80	MP1C	Z	-112.238	.5
81	MP1C	Mx	-.056	.5
82	MP1C	X	0	5.5
83	MP1C	Z	-112.238	5.5
84	MP1C	Mx	-.056	5.5
85	MP2A	X	0	.5
86	MP2A	Z	-153.974	.5
87	MP2A	Mx	.038	.5
88	MP2A	X	0	5.5
89	MP2A	Z	-153.974	5.5
90	MP2A	Mx	.038	5.5
91	MP2B	X	0	.5
92	MP2B	Z	-161.578	.5
93	MP2B	Mx	.028	.5
94	MP2B	X	0	5.5
95	MP2B	Z	-161.578	5.5
96	MP2B	Mx	.028	5.5
97	MP2C	X	0	.5
98	MP2C	Z	-111.102	.5
99	MP2C	Mx	-.056	.5
100	MP2C	X	0	5.5
101	MP2C	Z	-111.102	5.5
102	MP2C	Mx	-.056	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	18.511	4.5
2	MP3A	Z	-32.062	4.5
3	MP3A	Mx	0	4.5
4	MP3B	X	9.779	4.5
5	MP3B	Z	-16.937	4.5
6	MP3B	Mx	.007	4.5
7	MP3C	X	7.35	4.5
8	MP3C	Z	-12.731	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
9	MP3C	Mx	-.006	4.5
10	MP3A	X	48.878	.5
11	MP3A	Z	-84.659	.5
12	MP3A	Mx	0	.5
13	MP3A	X	48.878	2.5
14	MP3A	Z	-84.659	2.5
15	MP3A	Mx	0	2.5
16	MP3B	X	31.424	.5
17	MP3B	Z	-54.429	.5
18	MP3B	Mx	.024	.5
19	MP3B	X	31.424	2.5
20	MP3B	Z	-54.429	2.5
21	MP3B	Mx	.024	2.5
22	MP3C	X	26.571	.5
23	MP3C	Z	-46.023	.5
24	MP3C	Mx	-.023	.5
25	MP3C	X	26.571	2.5
26	MP3C	Z	-46.023	2.5
27	MP3C	Mx	-.023	2.5
28	MP2A	X	38.894	2.5
29	MP2A	Z	-67.367	2.5
30	MP2A	Mx	0	2.5
31	MP2B	X	31.327	2.5
32	MP2B	Z	-54.26	2.5
33	MP2B	Mx	-.024	2.5
34	MP2C	X	29.223	2.5
35	MP2C	Z	-50.615	2.5
36	MP2C	Mx	.025	2.5
37	MP1A	X	38.894	2.5
38	MP1A	Z	-67.367	2.5
39	MP1A	Mx	0	2.5
40	MP1B	X	28.428	2.5
41	MP1B	Z	-49.239	2.5
42	MP1B	Mx	-.022	2.5
43	MP1C	X	25.518	2.5
44	MP1C	Z	-44.198	2.5
45	MP1C	Mx	.022	2.5
46	M104	X	63.19	1.5
47	M104	Z	-109.448	1.5
48	M104	Mx	0	1.5
49	MP1A	X	84.86	.5
50	MP1A	Z	-146.983	.5
51	MP1A	Mx	-.099	.5
52	MP1A	X	84.86	5.5
53	MP1A	Z	-146.983	5.5
54	MP1A	Mx	-.099	5.5
55	MP1B	X	67.994	.5
56	MP1B	Z	-117.769	.5
57	MP1B	Mx	.103	.5
58	MP1B	X	67.994	5.5
59	MP1B	Z	-117.769	5.5
60	MP1B	Mx	.103	5.5
61	MP1C	X	63.304	.5
62	MP1C	Z	-109.646	.5
63	MP1C	Mx	-.018	.5
64	MP1C	X	63.304	5.5
65	MP1C	Z	-109.646	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1C	Mx	-.018	5.5
67	MP1A	X	84.86	.5
68	MP1A	Z	-146.983	.5
69	MP1A	Mx	.099	.5
70	MP1A	X	84.86	5.5
71	MP1A	Z	-146.983	5.5
72	MP1A	Mx	.099	5.5
73	MP1B	X	67.994	.5
74	MP1B	Z	-117.769	.5
75	MP1B	Mx	.001	.5
76	MP1B	X	67.994	5.5
77	MP1B	Z	-117.769	5.5
78	MP1B	Mx	.001	5.5
79	MP1C	X	63.304	.5
80	MP1C	Z	-109.646	.5
81	MP1C	Mx	-.092	.5
82	MP1C	X	63.304	5.5
83	MP1C	Z	-109.646	5.5
84	MP1C	Mx	-.092	5.5
85	MP2A	X	84.132	.5
86	MP2A	Z	-145.722	.5
87	MP2A	Mx	0	.5
88	MP2A	X	84.132	5.5
89	MP2A	Z	-145.722	5.5
90	MP2A	Mx	0	5.5
91	MP2B	X	67.36	.5
92	MP2B	Z	-116.671	.5
93	MP2B	Mx	.052	.5
94	MP2B	X	67.36	5.5
95	MP2B	Z	-116.671	5.5
96	MP2B	Mx	.052	5.5
97	MP2C	X	62.696	.5
98	MP2C	Z	-108.593	.5
99	MP2C	Mx	-.054	.5
100	MP2C	X	62.696	5.5
101	MP2C	Z	-108.593	5.5
102	MP2C	Mx	-.054	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	25.619	4.5
2	MP3A	Z	-14.791	4.5
3	MP3A	Mx	-.007	4.5
4	MP3B	X	7.065	4.5
5	MP3B	Z	-4.079	4.5
6	MP3B	Mx	.004	4.5
7	MP3C	X	25.619	4.5
8	MP3C	Z	-14.791	4.5
9	MP3C	Mx	-.007	4.5
10	MP3A	X	71.78	.5
11	MP3A	Z	-41.442	.5
12	MP3A	Mx	-.021	.5
13	MP3A	X	71.78	2.5
14	MP3A	Z	-41.442	2.5
15	MP3A	Mx	-.021	2.5
16	MP3B	X	34.697	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
17	MP3B	Z	-20.032	.5
18	MP3B	Mx	.02	.5
19	MP3B	X	34.697	2.5
20	MP3B	Z	-20.032	2.5
21	MP3B	Mx	.02	2.5
22	MP3C	X	71.78	.5
23	MP3C	Z	-41.442	.5
24	MP3C	Mx	-.021	.5
25	MP3C	X	71.78	2.5
26	MP3C	Z	-41.442	2.5
27	MP3C	Mx	-.021	2.5
28	MP2A	X	61.783	2.5
29	MP2A	Z	-35.67	2.5
30	MP2A	Mx	.018	2.5
31	MP2B	X	45.705	2.5
32	MP2B	Z	-26.388	2.5
33	MP2B	Mx	-.026	2.5
34	MP2C	X	61.783	2.5
35	MP2C	Z	-35.67	2.5
36	MP2C	Mx	.018	2.5
37	MP1A	X	59.644	2.5
38	MP1A	Z	-34.436	2.5
39	MP1A	Mx	.017	2.5
40	MP1B	X	37.407	2.5
41	MP1B	Z	-21.597	2.5
42	MP1B	Mx	-.021	2.5
43	MP1C	X	59.644	2.5
44	MP1C	Z	-34.436	2.5
45	MP1C	Mx	.017	2.5
46	M104	X	91.767	1.5
47	M104	Z	-52.982	1.5
48	M104	Mx	0	1.5
49	MP1A	X	134.537	.5
50	MP1A	Z	-77.675	.5
51	MP1A	Mx	-.117	.5
52	MP1A	X	134.537	5.5
53	MP1A	Z	-77.675	5.5
54	MP1A	Mx	-.117	5.5
55	MP1B	X	98.702	.5
56	MP1B	Z	-56.985	.5
57	MP1B	Mx	.068	.5
58	MP1B	X	98.702	5.5
59	MP1B	Z	-56.985	5.5
60	MP1B	Mx	.068	5.5
61	MP1C	X	134.537	.5
62	MP1C	Z	-77.675	.5
63	MP1C	Mx	.04	.5
64	MP1C	X	134.537	5.5
65	MP1C	Z	-77.675	5.5
66	MP1C	Mx	.04	5.5
67	MP1A	X	134.537	.5
68	MP1A	Z	-77.675	.5
69	MP1A	Mx	.04	.5
70	MP1A	X	134.537	5.5
71	MP1A	Z	-77.675	5.5
72	MP1A	Mx	.04	5.5
73	MP1B	X	98.702	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1B	Z	-56.985	.5
75	MP1B	Mx	.045	.5
76	MP1B	X	98.702	5.5
77	MP1B	Z	-56.985	5.5
78	MP1B	Mx	.045	5.5
79	MP1C	X	134.537	.5
80	MP1C	Z	-77.675	.5
81	MP1C	Mx	-.117	.5
82	MP1C	X	134.537	5.5
83	MP1C	Z	-77.675	5.5
84	MP1C	Mx	-.117	5.5
85	MP2A	X	133.346	.5
86	MP2A	Z	-76.987	.5
87	MP2A	Mx	-.038	.5
88	MP2A	X	133.346	5.5
89	MP2A	Z	-76.987	5.5
90	MP2A	Mx	-.038	5.5
91	MP2B	X	97.71	.5
92	MP2B	Z	-56.413	.5
93	MP2B	Mx	.056	.5
94	MP2B	X	97.71	5.5
95	MP2B	Z	-56.413	5.5
96	MP2B	Mx	.056	5.5
97	MP2C	X	133.346	.5
98	MP2C	Z	-76.987	.5
99	MP2C	Mx	-.038	.5
100	MP2C	X	133.346	5.5
101	MP2C	Z	-76.987	5.5
102	MP2C	Mx	-.038	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	14.701	4.5
2	MP3A	Z	0	4.5
3	MP3A	Mx	-.006	4.5
4	MP3B	X	10.742	4.5
5	MP3B	Z	0	4.5
6	MP3B	Mx	.005	4.5
7	MP3C	X	37.022	4.5
8	MP3C	Z	0	4.5
9	MP3C	Mx	0	4.5
10	MP3A	X	53.142	.5
11	MP3A	Z	0	.5
12	MP3A	Mx	-.023	.5
13	MP3A	X	53.142	2.5
14	MP3A	Z	0	2.5
15	MP3A	Mx	-.023	2.5
16	MP3B	X	45.23	.5
17	MP3B	Z	0	.5
18	MP3B	Mx	.021	.5
19	MP3B	X	45.23	2.5
20	MP3B	Z	0	2.5
21	MP3B	Mx	.021	2.5
22	MP3C	X	97.756	.5
23	MP3C	Z	0	.5
24	MP3C	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
25	MP3C	X	97.756	2.5
26	MP3C	Z	0	2.5
27	MP3C	Mx	0	2.5
28	MP2A	X	58.446	2.5
29	MP2A	Z	0	2.5
30	MP2A	Mx	.025	2.5
31	MP2B	X	55.015	2.5
32	MP2B	Z	0	2.5
33	MP2B	Mx	-.026	2.5
34	MP2C	X	77.789	2.5
35	MP2C	Z	0	2.5
36	MP2C	Mx	0	2.5
37	MP1A	X	51.036	2.5
38	MP1A	Z	0	2.5
39	MP1A	Mx	.022	2.5
40	MP1B	X	46.291	2.5
41	MP1B	Z	0	2.5
42	MP1B	Mx	-.022	2.5
43	MP1C	X	77.789	2.5
44	MP1C	Z	0	2.5
45	MP1C	Mx	0	2.5
46	M104	X	110.592	1.5
47	M104	Z	0	1.5
48	M104	Mx	0	1.5
49	MP1A	X	126.608	.5
50	MP1A	Z	0	.5
51	MP1A	Mx	-.092	.5
52	MP1A	X	126.608	5.5
53	MP1A	Z	0	5.5
54	MP1A	Mx	-.092	5.5
55	MP1B	X	118.962	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	.032	.5
58	MP1B	X	118.962	5.5
59	MP1B	Z	0	5.5
60	MP1B	Mx	.032	5.5
61	MP1C	X	169.721	.5
62	MP1C	Z	0	.5
63	MP1C	Mx	.099	.5
64	MP1C	X	169.721	5.5
65	MP1C	Z	0	5.5
66	MP1C	Mx	.099	5.5
67	MP1A	X	126.608	.5
68	MP1A	Z	0	.5
69	MP1A	Mx	-.018	.5
70	MP1A	X	126.608	5.5
71	MP1A	Z	0	5.5
72	MP1A	Mx	-.018	5.5
73	MP1B	X	118.962	.5
74	MP1B	Z	0	.5
75	MP1B	Mx	.08	.5
76	MP1B	X	118.962	5.5
77	MP1B	Z	0	5.5
78	MP1B	Mx	.08	5.5
79	MP1C	X	169.721	.5
80	MP1C	Z	0	.5
81	MP1C	Mx	-.099	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1C	X	169.721	5.5
83	MP1C	Z	0	5.5
84	MP1C	Mx	-.099	5.5
85	MP2A	X	125.393	.5
86	MP2A	Z	0	.5
87	MP2A	Mx	-.054	.5
88	MP2A	X	125.393	5.5
89	MP2A	Z	0	5.5
90	MP2A	Mx	-.054	5.5
91	MP2B	X	117.789	.5
92	MP2B	Z	0	.5
93	MP2B	Mx	.055	.5
94	MP2B	X	117.789	5.5
95	MP2B	Z	0	5.5
96	MP2B	Mx	.055	5.5
97	MP2C	X	168.265	.5
98	MP2C	Z	0	.5
99	MP2C	Mx	0	.5
100	MP2C	X	168.265	5.5
101	MP2C	Z	0	5.5
102	MP2C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.288	4.5
2	MP3A	Z	3.63	4.5
3	MP3A	Mx	-.004	4.5
4	MP3B	X	21.413	4.5
5	MP3B	Z	12.363	4.5
6	MP3B	Mx	.008	4.5
7	MP3C	X	25.619	4.5
8	MP3C	Z	14.791	4.5
9	MP3C	Mx	.007	4.5
10	MP3A	X	33.144	.5
11	MP3A	Z	19.136	.5
12	MP3A	Mx	-.019	.5
13	MP3A	X	33.144	2.5
14	MP3A	Z	19.136	2.5
15	MP3A	Mx	-.019	2.5
16	MP3B	X	63.374	.5
17	MP3B	Z	36.589	.5
18	MP3B	Mx	.024	.5
19	MP3B	X	63.374	2.5
20	MP3B	Z	36.589	2.5
21	MP3B	Mx	.024	2.5
22	MP3C	X	71.78	.5
23	MP3C	Z	41.442	.5
24	MP3C	Mx	.021	.5
25	MP3C	X	71.78	2.5
26	MP3C	Z	41.442	2.5
27	MP3C	Mx	.021	2.5
28	MP2A	X	45.031	2.5
29	MP2A	Z	25.999	2.5
30	MP2A	Mx	.026	2.5
31	MP2B	X	58.138	2.5
32	MP2B	Z	33.566	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
33	MP2B	Mx	-.022	2.5
34	MP2C	X	61.783	2.5
35	MP2C	Z	35.67	2.5
36	MP2C	Mx	-.018	2.5
37	MP1A	X	36.475	2.5
38	MP1A	Z	21.059	2.5
39	MP1A	Mx	.021	2.5
40	MP1B	X	54.603	2.5
41	MP1B	Z	31.525	2.5
42	MP1B	Mx	-.02	2.5
43	MP1C	X	59.644	2.5
44	MP1C	Z	34.436	2.5
45	MP1C	Mx	-.017	2.5
46	M104	X	117.463	1.5
47	M104	Z	67.817	1.5
48	M104	Mx	0	1.5
49	MP1A	X	97.201	.5
50	MP1A	Z	56.119	.5
51	MP1A	Mx	-.056	.5
52	MP1A	X	97.201	5.5
53	MP1A	Z	56.119	5.5
54	MP1A	Mx	-.056	5.5
55	MP1B	X	126.414	.5
56	MP1B	Z	72.985	.5
57	MP1B	Mx	-.018	.5
58	MP1B	X	126.414	5.5
59	MP1B	Z	72.985	5.5
60	MP1B	Mx	-.018	5.5
61	MP1C	X	134.537	.5
62	MP1C	Z	77.675	.5
63	MP1C	Mx	.117	.5
64	MP1C	X	134.537	5.5
65	MP1C	Z	77.675	5.5
66	MP1C	Mx	.117	5.5
67	MP1A	X	97.201	.5
68	MP1A	Z	56.119	.5
69	MP1A	Mx	-.056	.5
70	MP1A	X	97.201	5.5
71	MP1A	Z	56.119	5.5
72	MP1A	Mx	-.056	5.5
73	MP1B	X	126.414	.5
74	MP1B	Z	72.985	.5
75	MP1B	Mx	.112	.5
76	MP1B	X	126.414	5.5
77	MP1B	Z	72.985	5.5
78	MP1B	Mx	.112	5.5
79	MP1C	X	134.537	.5
80	MP1C	Z	77.675	.5
81	MP1C	Mx	-.04	.5
82	MP1C	X	134.537	5.5
83	MP1C	Z	77.675	5.5
84	MP1C	Mx	-.04	5.5
85	MP2A	X	96.217	.5
86	MP2A	Z	55.551	.5
87	MP2A	Mx	-.056	.5
88	MP2A	X	96.217	5.5
89	MP2A	Z	55.551	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP2A	Mx	-.056	5.5
91	MP2B	X	125.268	.5
92	MP2B	Z	72.323	.5
93	MP2B	Mx	.046	.5
94	MP2B	X	125.268	5.5
95	MP2B	Z	72.323	5.5
96	MP2B	Mx	.046	5.5
97	MP2C	X	133.346	.5
98	MP2C	Z	76.987	.5
99	MP2C	Mx	.038	.5
100	MP2C	X	133.346	5.5
101	MP2C	Z	76.987	5.5
102	MP2C	Mx	.038	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.35	4.5
2	MP3A	Z	12.731	4.5
3	MP3A	Mx	-.006	4.5
4	MP3B	X	18.062	4.5
5	MP3B	Z	31.285	4.5
6	MP3B	Mx	.003	4.5
7	MP3C	X	7.35	4.5
8	MP3C	Z	12.731	4.5
9	MP3C	Mx	.006	4.5
10	MP3A	X	26.571	.5
11	MP3A	Z	46.023	.5
12	MP3A	Mx	-.023	.5
13	MP3A	X	26.571	2.5
14	MP3A	Z	46.023	2.5
15	MP3A	Mx	-.023	2.5
16	MP3B	X	47.981	.5
17	MP3B	Z	83.106	.5
18	MP3B	Mx	.008	.5
19	MP3B	X	47.981	2.5
20	MP3B	Z	83.106	2.5
21	MP3B	Mx	.008	2.5
22	MP3C	X	26.571	.5
23	MP3C	Z	46.023	.5
24	MP3C	Mx	.023	.5
25	MP3C	X	26.571	2.5
26	MP3C	Z	46.023	2.5
27	MP3C	Mx	.023	2.5
28	MP2A	X	29.223	2.5
29	MP2A	Z	50.615	2.5
30	MP2A	Mx	.025	2.5
31	MP2B	X	38.506	2.5
32	MP2B	Z	66.693	2.5
33	MP2B	Mx	-.007	2.5
34	MP2C	X	29.223	2.5
35	MP2C	Z	50.615	2.5
36	MP2C	Mx	-.025	2.5
37	MP1A	X	25.518	2.5
38	MP1A	Z	44.198	2.5
39	MP1A	Mx	.022	2.5
40	MP1B	X	38.357	2.5

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

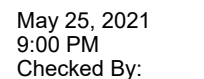
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
41	MP1B	Z	66.436	2.5
42	MP1B	Mx	-.007	2.5
43	MP1C	X	25.518	2.5
44	MP1C	Z	44.198	2.5
45	MP1C	Mx	-.022	2.5
46	M104	X	78.025	1.5
47	M104	Z	135.143	1.5
48	M104	Mx	0	1.5
49	MP1A	X	63.304	.5
50	MP1A	Z	109.646	.5
51	MP1A	Mx	-.018	.5
52	MP1A	X	63.304	5.5
53	MP1A	Z	109.646	5.5
54	MP1A	Mx	-.018	5.5
55	MP1B	X	83.994	.5
56	MP1B	Z	145.481	.5
57	MP1B	Mx	-.082	.5
58	MP1B	X	83.994	5.5
59	MP1B	Z	145.481	5.5
60	MP1B	Mx	-.082	5.5
61	MP1C	X	63.304	.5
62	MP1C	Z	109.646	.5
63	MP1C	Mx	.092	.5
64	MP1C	X	63.304	5.5
65	MP1C	Z	109.646	5.5
66	MP1C	Mx	.092	5.5
67	MP1A	X	63.304	.5
68	MP1A	Z	109.646	.5
69	MP1A	Mx	-.092	.5
70	MP1A	X	63.304	5.5
71	MP1A	Z	109.646	5.5
72	MP1A	Mx	-.092	5.5
73	MP1B	X	83.994	.5
74	MP1B	Z	145.481	.5
75	MP1B	Mx	.111	.5
76	MP1B	X	83.994	5.5
77	MP1B	Z	145.481	5.5
78	MP1B	Mx	.111	5.5
79	MP1C	X	63.304	.5
80	MP1C	Z	109.646	.5
81	MP1C	Mx	.018	.5
82	MP1C	X	63.304	5.5
83	MP1C	Z	109.646	5.5
84	MP1C	Mx	.018	5.5
85	MP2A	X	62.696	.5
86	MP2A	Z	108.593	.5
87	MP2A	Mx	-.054	.5
88	MP2A	X	62.696	5.5
89	MP2A	Z	108.593	5.5
90	MP2A	Mx	-.054	5.5
91	MP2B	X	83.271	.5
92	MP2B	Z	144.229	.5
93	MP2B	Mx	.014	.5
94	MP2B	X	83.271	5.5
95	MP2B	Z	144.229	5.5
96	MP2B	Mx	.014	5.5
97	MP2C	X	62.696	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP2C	Z	108.593	.5
99	MP2C	Mx	.054	.5
100	MP2C	X	62.696	5.5
101	MP2C	Z	108.593	5.5
102	MP2C	Mx	.054	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	4.5
2	MP3A	Z	29.582	4.5
3	MP3A	Mx	-.007	4.5
4	MP3B	X	0	4.5
5	MP3B	Z	33.541	4.5
6	MP3B	Mx	-.006	4.5
7	MP3C	X	0	4.5
8	MP3C	Z	7.26	4.5
9	MP3C	Mx	.004	4.5
10	MP3A	X	0	.5
11	MP3A	Z	82.885	.5
12	MP3A	Mx	-.021	.5
13	MP3A	X	0	2.5
14	MP3A	Z	82.885	2.5
15	MP3A	Mx	-.021	2.5
16	MP3B	X	0	.5
17	MP3B	Z	90.797	.5
18	MP3B	Mx	-.016	.5
19	MP3B	X	0	2.5
20	MP3B	Z	90.797	2.5
21	MP3B	Mx	-.016	2.5
22	MP3C	X	0	.5
23	MP3C	Z	38.271	.5
24	MP3C	Mx	.019	.5
25	MP3C	X	0	2.5
26	MP3C	Z	38.271	2.5
27	MP3C	Mx	.019	2.5
28	MP2A	X	0	2.5
29	MP2A	Z	71.341	2.5
30	MP2A	Mx	.018	2.5
31	MP2B	X	0	2.5
32	MP2B	Z	74.772	2.5
33	MP2B	Mx	.013	2.5
34	MP2C	X	0	2.5
35	MP2C	Z	51.998	2.5
36	MP2C	Mx	-.026	2.5
37	MP1A	X	0	2.5
38	MP1A	Z	68.871	2.5
39	MP1A	Mx	.017	2.5
40	MP1B	X	0	2.5
41	MP1B	Z	73.616	2.5
42	MP1B	Mx	.013	2.5
43	MP1C	X	0	2.5
44	MP1C	Z	42.118	2.5
45	MP1C	Mx	-.021	2.5
46	M104	X	0	1.5
47	M104	Z	151.422	1.5
48	M104	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP3A	X	-18.511	4.5
2	MP3A	Z	32.062	4.5
3	MP3A	Mx	0	4.5
4	MP3B	X	-9.779	4.5
5	MP3B	Z	16.937	4.5
6	MP3B	Mx	-.007	4.5
7	MP3C	X	-7.35	4.5
8	MP3C	Z	12.731	4.5
9	MP3C	Mx	.006	4.5
10	MP3A	X	-48.878	.5
11	MP3A	Z	84.659	.5
12	MP3A	Mx	0	.5
13	MP3A	X	-48.878	2.5
14	MP3A	Z	84.659	2.5
15	MP3A	Mx	0	2.5
16	MP3B	X	-31.424	.5
17	MP3B	Z	54.429	.5
18	MP3B	Mx	-.024	.5
19	MP3B	X	-31.424	2.5
20	MP3B	Z	54.429	2.5
21	MP3B	Mx	-.024	2.5
22	MP3C	X	-26.571	.5
23	MP3C	Z	46.023	.5
24	MP3C	Mx	.023	.5
25	MP3C	X	-26.571	2.5
26	MP3C	Z	46.023	2.5
27	MP3C	Mx	.023	2.5
28	MP2A	X	-38.894	2.5
29	MP2A	Z	67.367	2.5
30	MP2A	Mx	0	2.5
31	MP2B	X	-31.327	2.5
32	MP2B	Z	54.26	2.5
33	MP2B	Mx	.024	2.5
34	MP2C	X	-29.223	2.5
35	MP2C	Z	50.615	2.5
36	MP2C	Mx	-.025	2.5
37	MP1A	X	-38.894	2.5
38	MP1A	Z	67.367	2.5
39	MP1A	Mx	0	2.5
40	MP1B	X	-28.428	2.5
41	MP1B	Z	49.239	2.5
42	MP1B	Mx	.022	2.5
43	MP1C	X	-25.518	2.5
44	MP1C	Z	44.198	2.5
45	MP1C	Mx	-.022	2.5
46	M104	X	-63.19	1.5
47	M104	Z	109.448	1.5
48	M104	Mx	0	1.5
49	MP1A	X	-84.86	.5
50	MP1A	Z	146.983	.5
51	MP1A	Mx	.099	.5
52	MP1A	X	-84.86	5.5
53	MP1A	Z	146.983	5.5
54	MP1A	Mx	.099	5.5
55	MP1B	X	-67.994	.5
56	MP1B	Z	117.769	.5
57	MP1B	Mx	-.103	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1B	X	-67.994	5.5
59	MP1B	Z	117.769	5.5
60	MP1B	Mx	-.103	5.5
61	MP1C	X	-63.304	.5
62	MP1C	Z	109.646	.5
63	MP1C	Mx	.018	.5
64	MP1C	X	-63.304	5.5
65	MP1C	Z	109.646	5.5
66	MP1C	Mx	.018	5.5
67	MP1A	X	-84.86	.5
68	MP1A	Z	146.983	.5
69	MP1A	Mx	-.099	.5
70	MP1A	X	-84.86	5.5
71	MP1A	Z	146.983	5.5
72	MP1A	Mx	-.099	5.5
73	MP1B	X	-67.994	.5
74	MP1B	Z	117.769	.5
75	MP1B	Mx	-.001	.5
76	MP1B	X	-67.994	5.5
77	MP1B	Z	117.769	5.5
78	MP1B	Mx	-.001	5.5
79	MP1C	X	-63.304	.5
80	MP1C	Z	109.646	.5
81	MP1C	Mx	.092	.5
82	MP1C	X	-63.304	5.5
83	MP1C	Z	109.646	5.5
84	MP1C	Mx	.092	5.5
85	MP2A	X	-84.132	.5
86	MP2A	Z	145.722	.5
87	MP2A	Mx	0	.5
88	MP2A	X	-84.132	5.5
89	MP2A	Z	145.722	5.5
90	MP2A	Mx	0	5.5
91	MP2B	X	-67.36	.5
92	MP2B	Z	116.671	.5
93	MP2B	Mx	-.052	.5
94	MP2B	X	-67.36	5.5
95	MP2B	Z	116.671	5.5
96	MP2B	Mx	-.052	5.5
97	MP2C	X	-62.696	.5
98	MP2C	Z	108.593	.5
99	MP2C	Mx	.054	.5
100	MP2C	X	-62.696	5.5
101	MP2C	Z	108.593	5.5
102	MP2C	Mx	.054	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-25.619	4.5
2	MP3A	Z	14.791	4.5
3	MP3A	Mx	.007	4.5
4	MP3B	X	-7.065	4.5
5	MP3B	Z	4.079	4.5
6	MP3B	Mx	-.004	4.5
7	MP3C	X	-25.619	4.5
8	MP3C	Z	14.791	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3C	Mx	.007	4.5
10	MP3A	X	-71.78	.5
11	MP3A	Z	41.442	.5
12	MP3A	Mx	.021	.5
13	MP3A	X	-71.78	2.5
14	MP3A	Z	41.442	2.5
15	MP3A	Mx	.021	2.5
16	MP3B	X	-34.697	.5
17	MP3B	Z	20.032	.5
18	MP3B	Mx	-.02	.5
19	MP3B	X	-34.697	2.5
20	MP3B	Z	20.032	2.5
21	MP3B	Mx	-.02	2.5
22	MP3C	X	-71.78	.5
23	MP3C	Z	41.442	.5
24	MP3C	Mx	.021	.5
25	MP3C	X	-71.78	2.5
26	MP3C	Z	41.442	2.5
27	MP3C	Mx	.021	2.5
28	MP2A	X	-61.783	2.5
29	MP2A	Z	35.67	2.5
30	MP2A	Mx	-.018	2.5
31	MP2B	X	-45.705	2.5
32	MP2B	Z	26.388	2.5
33	MP2B	Mx	.026	2.5
34	MP2C	X	-61.783	2.5
35	MP2C	Z	35.67	2.5
36	MP2C	Mx	-.018	2.5
37	MP1A	X	-59.644	2.5
38	MP1A	Z	34.436	2.5
39	MP1A	Mx	-.017	2.5
40	MP1B	X	-37.407	2.5
41	MP1B	Z	21.597	2.5
42	MP1B	Mx	.021	2.5
43	MP1C	X	-59.644	2.5
44	MP1C	Z	34.436	2.5
45	MP1C	Mx	-.017	2.5
46	M104	X	-91.767	1.5
47	M104	Z	52.982	1.5
48	M104	Mx	0	1.5
49	MP1A	X	-134.537	.5
50	MP1A	Z	77.675	.5
51	MP1A	Mx	.117	.5
52	MP1A	X	-134.537	5.5
53	MP1A	Z	77.675	5.5
54	MP1A	Mx	.117	5.5
55	MP1B	X	-98.702	.5
56	MP1B	Z	56.985	.5
57	MP1B	Mx	-.068	.5
58	MP1B	X	-98.702	5.5
59	MP1B	Z	56.985	5.5
60	MP1B	Mx	-.068	5.5
61	MP1C	X	-134.537	.5
62	MP1C	Z	77.675	.5
63	MP1C	Mx	-.04	.5
64	MP1C	X	-134.537	5.5
65	MP1C	Z	77.675	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1C	Mx	-.04	5.5
67	MP1A	X	-134.537	.5
68	MP1A	Z	77.675	.5
69	MP1A	Mx	-.04	.5
70	MP1A	X	-134.537	5.5
71	MP1A	Z	77.675	5.5
72	MP1A	Mx	-.04	5.5
73	MP1B	X	-98.702	.5
74	MP1B	Z	56.985	.5
75	MP1B	Mx	-.045	.5
76	MP1B	X	-98.702	5.5
77	MP1B	Z	56.985	5.5
78	MP1B	Mx	-.045	5.5
79	MP1C	X	-134.537	.5
80	MP1C	Z	77.675	.5
81	MP1C	Mx	.117	.5
82	MP1C	X	-134.537	5.5
83	MP1C	Z	77.675	5.5
84	MP1C	Mx	.117	5.5
85	MP2A	X	-133.346	.5
86	MP2A	Z	76.987	.5
87	MP2A	Mx	.038	.5
88	MP2A	X	-133.346	5.5
89	MP2A	Z	76.987	5.5
90	MP2A	Mx	.038	5.5
91	MP2B	X	-97.71	.5
92	MP2B	Z	56.413	.5
93	MP2B	Mx	-.056	.5
94	MP2B	X	-97.71	5.5
95	MP2B	Z	56.413	5.5
96	MP2B	Mx	-.056	5.5
97	MP2C	X	-133.346	.5
98	MP2C	Z	76.987	.5
99	MP2C	Mx	.038	.5
100	MP2C	X	-133.346	5.5
101	MP2C	Z	76.987	5.5
102	MP2C	Mx	.038	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-14.701	4.5
2	MP3A	Z	0	4.5
3	MP3A	Mx	.006	4.5
4	MP3B	X	-10.742	4.5
5	MP3B	Z	0	4.5
6	MP3B	Mx	-.005	4.5
7	MP3C	X	-37.022	4.5
8	MP3C	Z	0	4.5
9	MP3C	Mx	0	4.5
10	MP3A	X	-53.142	.5
11	MP3A	Z	0	.5
12	MP3A	Mx	.023	.5
13	MP3A	X	-53.142	2.5
14	MP3A	Z	0	2.5
15	MP3A	Mx	.023	2.5
16	MP3B	X	-45.23	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
17	MP3B	Z	0	.5
18	MP3B	Mx	-.021	.5
19	MP3B	X	-45.23	2.5
20	MP3B	Z	0	2.5
21	MP3B	Mx	-.021	2.5
22	MP3C	X	-97.756	.5
23	MP3C	Z	0	.5
24	MP3C	Mx	0	.5
25	MP3C	X	-97.756	2.5
26	MP3C	Z	0	2.5
27	MP3C	Mx	0	2.5
28	MP2A	X	-58.446	2.5
29	MP2A	Z	0	2.5
30	MP2A	Mx	-.025	2.5
31	MP2B	X	-55.015	2.5
32	MP2B	Z	0	2.5
33	MP2B	Mx	.026	2.5
34	MP2C	X	-77.789	2.5
35	MP2C	Z	0	2.5
36	MP2C	Mx	0	2.5
37	MP1A	X	-51.036	2.5
38	MP1A	Z	0	2.5
39	MP1A	Mx	-.022	2.5
40	MP1B	X	-46.291	2.5
41	MP1B	Z	0	2.5
42	MP1B	Mx	.022	2.5
43	MP1C	X	-77.789	2.5
44	MP1C	Z	0	2.5
45	MP1C	Mx	0	2.5
46	M104	X	-110.592	1.5
47	M104	Z	0	1.5
48	M104	Mx	0	1.5
49	MP1A	X	-126.608	.5
50	MP1A	Z	0	.5
51	MP1A	Mx	.092	.5
52	MP1A	X	-126.608	5.5
53	MP1A	Z	0	5.5
54	MP1A	Mx	.092	5.5
55	MP1B	X	-118.962	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	-.032	.5
58	MP1B	X	-118.962	5.5
59	MP1B	Z	0	5.5
60	MP1B	Mx	-.032	5.5
61	MP1C	X	-169.721	.5
62	MP1C	Z	0	.5
63	MP1C	Mx	-.099	.5
64	MP1C	X	-169.721	5.5
65	MP1C	Z	0	5.5
66	MP1C	Mx	-.099	5.5
67	MP1A	X	-126.608	.5
68	MP1A	Z	0	.5
69	MP1A	Mx	.018	.5
70	MP1A	X	-126.608	5.5
71	MP1A	Z	0	5.5
72	MP1A	Mx	.018	5.5
73	MP1B	X	-118.962	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1B	Z	0	.5
75	MP1B	Mx	-.08	.5
76	MP1B	X	-118.962	5.5
77	MP1B	Z	0	5.5
78	MP1B	Mx	-.08	5.5
79	MP1C	X	-169.721	.5
80	MP1C	Z	0	.5
81	MP1C	Mx	.099	.5
82	MP1C	X	-169.721	5.5
83	MP1C	Z	0	5.5
84	MP1C	Mx	.099	5.5
85	MP2A	X	-125.393	.5
86	MP2A	Z	0	.5
87	MP2A	Mx	.054	.5
88	MP2A	X	-125.393	5.5
89	MP2A	Z	0	5.5
90	MP2A	Mx	.054	5.5
91	MP2B	X	-117.789	.5
92	MP2B	Z	0	.5
93	MP2B	Mx	-.055	.5
94	MP2B	X	-117.789	5.5
95	MP2B	Z	0	5.5
96	MP2B	Mx	-.055	5.5
97	MP2C	X	-168.265	.5
98	MP2C	Z	0	.5
99	MP2C	Mx	0	.5
100	MP2C	X	-168.265	5.5
101	MP2C	Z	0	5.5
102	MP2C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.288	4.5
2	MP3A	Z	-3.63	4.5
3	MP3A	Mx	.004	4.5
4	MP3B	X	-21.413	4.5
5	MP3B	Z	-12.363	4.5
6	MP3B	Mx	-.008	4.5
7	MP3C	X	-25.619	4.5
8	MP3C	Z	-14.791	4.5
9	MP3C	Mx	-.007	4.5
10	MP3A	X	-33.144	.5
11	MP3A	Z	-19.136	.5
12	MP3A	Mx	.019	.5
13	MP3A	X	-33.144	2.5
14	MP3A	Z	-19.136	2.5
15	MP3A	Mx	.019	2.5
16	MP3B	X	-63.374	.5
17	MP3B	Z	-36.589	.5
18	MP3B	Mx	-.024	.5
19	MP3B	X	-63.374	2.5
20	MP3B	Z	-36.589	2.5
21	MP3B	Mx	-.024	2.5
22	MP3C	X	-71.78	.5
23	MP3C	Z	-41.442	.5
24	MP3C	Mx	-.021	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
25	MP3C	X	-71.78	2.5
26	MP3C	Z	-41.442	2.5
27	MP3C	Mx	-.021	2.5
28	MP2A	X	-45.031	2.5
29	MP2A	Z	-25.999	2.5
30	MP2A	Mx	-.026	2.5
31	MP2B	X	-58.138	2.5
32	MP2B	Z	-33.566	2.5
33	MP2B	Mx	.022	2.5
34	MP2C	X	-61.783	2.5
35	MP2C	Z	-35.67	2.5
36	MP2C	Mx	.018	2.5
37	MP1A	X	-36.475	2.5
38	MP1A	Z	-21.059	2.5
39	MP1A	Mx	-.021	2.5
40	MP1B	X	-54.603	2.5
41	MP1B	Z	-31.525	2.5
42	MP1B	Mx	.02	2.5
43	MP1C	X	-59.644	2.5
44	MP1C	Z	-34.436	2.5
45	MP1C	Mx	.017	2.5
46	M104	X	-117.463	1.5
47	M104	Z	-67.817	1.5
48	M104	Mx	0	1.5
49	MP1A	X	-97.201	.5
50	MP1A	Z	-56.119	.5
51	MP1A	Mx	.056	.5
52	MP1A	X	-97.201	5.5
53	MP1A	Z	-56.119	5.5
54	MP1A	Mx	.056	5.5
55	MP1B	X	-126.414	.5
56	MP1B	Z	-72.985	.5
57	MP1B	Mx	.018	.5
58	MP1B	X	-126.414	5.5
59	MP1B	Z	-72.985	5.5
60	MP1B	Mx	.018	5.5
61	MP1C	X	-134.537	.5
62	MP1C	Z	-77.675	.5
63	MP1C	Mx	-.117	.5
64	MP1C	X	-134.537	5.5
65	MP1C	Z	-77.675	5.5
66	MP1C	Mx	-.117	5.5
67	MP1A	X	-97.201	.5
68	MP1A	Z	-56.119	.5
69	MP1A	Mx	.056	.5
70	MP1A	X	-97.201	5.5
71	MP1A	Z	-56.119	5.5
72	MP1A	Mx	.056	5.5
73	MP1B	X	-126.414	.5
74	MP1B	Z	-72.985	.5
75	MP1B	Mx	-.112	.5
76	MP1B	X	-126.414	5.5
77	MP1B	Z	-72.985	5.5
78	MP1B	Mx	-.112	5.5
79	MP1C	X	-134.537	.5
80	MP1C	Z	-77.675	.5
81	MP1C	Mx	.04	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1C	X	-134.537	5.5
83	MP1C	Z	-77.675	5.5
84	MP1C	Mx	.04	5.5
85	MP2A	X	-96.217	.5
86	MP2A	Z	-55.551	.5
87	MP2A	Mx	.056	.5
88	MP2A	X	-96.217	5.5
89	MP2A	Z	-55.551	5.5
90	MP2A	Mx	.056	5.5
91	MP2B	X	-125.268	.5
92	MP2B	Z	-72.323	.5
93	MP2B	Mx	-.046	.5
94	MP2B	X	-125.268	5.5
95	MP2B	Z	-72.323	5.5
96	MP2B	Mx	-.046	5.5
97	MP2C	X	-133.346	.5
98	MP2C	Z	-76.987	.5
99	MP2C	Mx	-.038	.5
100	MP2C	X	-133.346	5.5
101	MP2C	Z	-76.987	5.5
102	MP2C	Mx	-.038	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.35	4.5
2	MP3A	Z	-12.731	4.5
3	MP3A	Mx	.006	4.5
4	MP3B	X	-18.062	4.5
5	MP3B	Z	-31.285	4.5
6	MP3B	Mx	-.003	4.5
7	MP3C	X	-7.35	4.5
8	MP3C	Z	-12.731	4.5
9	MP3C	Mx	-.006	4.5
10	MP3A	X	-26.571	.5
11	MP3A	Z	-46.023	.5
12	MP3A	Mx	.023	.5
13	MP3A	X	-26.571	2.5
14	MP3A	Z	-46.023	2.5
15	MP3A	Mx	.023	2.5
16	MP3B	X	-47.981	.5
17	MP3B	Z	-83.106	.5
18	MP3B	Mx	-.008	.5
19	MP3B	X	-47.981	2.5
20	MP3B	Z	-83.106	2.5
21	MP3B	Mx	-.008	2.5
22	MP3C	X	-26.571	.5
23	MP3C	Z	-46.023	.5
24	MP3C	Mx	-.023	.5
25	MP3C	X	-26.571	2.5
26	MP3C	Z	-46.023	2.5
27	MP3C	Mx	-.023	2.5
28	MP2A	X	-29.223	2.5
29	MP2A	Z	-50.615	2.5
30	MP2A	Mx	-.025	2.5
31	MP2B	X	-38.506	2.5
32	MP2B	Z	-66.693	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2B	Mx	.007	2.5
34	MP2C	X	-29.223	2.5
35	MP2C	Z	-50.615	2.5
36	MP2C	Mx	.025	2.5
37	MP1A	X	-25.518	2.5
38	MP1A	Z	-44.198	2.5
39	MP1A	Mx	-.022	2.5
40	MP1B	X	-38.357	2.5
41	MP1B	Z	-66.436	2.5
42	MP1B	Mx	.007	2.5
43	MP1C	X	-25.518	2.5
44	MP1C	Z	-44.198	2.5
45	MP1C	Mx	.022	2.5
46	M104	X	-78.025	1.5
47	M104	Z	-135.143	1.5
48	M104	Mx	0	1.5
49	MP1A	X	-63.304	.5
50	MP1A	Z	-109.646	.5
51	MP1A	Mx	.018	.5
52	MP1A	X	-63.304	5.5
53	MP1A	Z	-109.646	5.5
54	MP1A	Mx	.018	5.5
55	MP1B	X	-83.994	.5
56	MP1B	Z	-145.481	.5
57	MP1B	Mx	.082	.5
58	MP1B	X	-83.994	5.5
59	MP1B	Z	-145.481	5.5
60	MP1B	Mx	.082	5.5
61	MP1C	X	-63.304	.5
62	MP1C	Z	-109.646	.5
63	MP1C	Mx	-.092	.5
64	MP1C	X	-63.304	5.5
65	MP1C	Z	-109.646	5.5
66	MP1C	Mx	-.092	5.5
67	MP1A	X	-63.304	.5
68	MP1A	Z	-109.646	.5
69	MP1A	Mx	.092	.5
70	MP1A	X	-63.304	5.5
71	MP1A	Z	-109.646	5.5
72	MP1A	Mx	.092	5.5
73	MP1B	X	-83.994	.5
74	MP1B	Z	-145.481	.5
75	MP1B	Mx	-.111	.5
76	MP1B	X	-83.994	5.5
77	MP1B	Z	-145.481	5.5
78	MP1B	Mx	-.111	5.5
79	MP1C	X	-63.304	.5
80	MP1C	Z	-109.646	.5
81	MP1C	Mx	-.018	.5
82	MP1C	X	-63.304	5.5
83	MP1C	Z	-109.646	5.5
84	MP1C	Mx	-.018	5.5
85	MP2A	X	-62.696	.5
86	MP2A	Z	-108.593	.5
87	MP2A	Mx	.054	.5
88	MP2A	X	-62.696	5.5
89	MP2A	Z	-108.593	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP2A	Mx	.054	5.5
91	MP2B	X	-83.271	.5
92	MP2B	Z	-144.229	.5
93	MP2B	Mx	-.014	.5
94	MP2B	X	-83.271	5.5
95	MP2B	Z	-144.229	5.5
96	MP2B	Mx	-.014	5.5
97	MP2C	X	-62.696	.5
98	MP2C	Z	-108.593	.5
99	MP2C	Mx	-.054	.5
100	MP2C	X	-62.696	5.5
101	MP2C	Z	-108.593	5.5
102	MP2C	Mx	-.054	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	4.5
2	MP3A	Z	-8.153	4.5
3	MP3A	Mx	.002	4.5
4	MP3B	X	0	4.5
5	MP3B	Z	-9.009	4.5
6	MP3B	Mx	.002	4.5
7	MP3C	X	0	4.5
8	MP3C	Z	-3.328	4.5
9	MP3C	Mx	-.002	4.5
10	MP3A	X	0	.5
11	MP3A	Z	-18.126	.5
12	MP3A	Mx	.005	.5
13	MP3A	X	0	2.5
14	MP3A	Z	-18.126	2.5
15	MP3A	Mx	.005	2.5
16	MP3B	X	0	.5
17	MP3B	Z	-19.681	.5
18	MP3B	Mx	.003	.5
19	MP3B	X	0	2.5
20	MP3B	Z	-19.681	2.5
21	MP3B	Mx	.003	2.5
22	MP3C	X	0	.5
23	MP3C	Z	-9.357	.5
24	MP3C	Mx	-.005	.5
25	MP3C	X	0	2.5
26	MP3C	Z	-9.357	2.5
27	MP3C	Mx	-.005	2.5
28	MP2A	X	0	2.5
29	MP2A	Z	-16.92	2.5
30	MP2A	Mx	-.004	2.5
31	MP2B	X	0	2.5
32	MP2B	Z	-17.625	2.5
33	MP2B	Mx	-.003	2.5
34	MP2C	X	0	2.5
35	MP2C	Z	-12.944	2.5
36	MP2C	Mx	.006	2.5
37	MP1A	X	0	2.5
38	MP1A	Z	-16.416	2.5
39	MP1A	Mx	-.004	2.5
40	MP1B	X	0	2.5

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

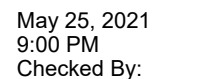
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP1B	Z	-17.389	2.5
42	MP1B	Mx	-.003	2.5
43	MP1C	X	0	2.5
44	MP1C	Z	-10.929	2.5
45	MP1C	Mx	.005	2.5
46	M104	X	0	1.5
47	M104	Z	-33.114	1.5
48	M104	Mx	0	1.5
49	MP1A	X	0	.5
50	MP1A	Z	-32.705	.5
51	MP1A	Mx	-.008	.5
52	MP1A	X	0	5.5
53	MP1A	Z	-32.705	5.5
54	MP1A	Mx	-.008	5.5
55	MP1B	X	0	.5
56	MP1B	Z	-34.099	.5
57	MP1B	Mx	.025	.5
58	MP1B	X	0	5.5
59	MP1B	Z	-34.099	5.5
60	MP1B	Mx	.025	5.5
61	MP1C	X	0	.5
62	MP1C	Z	-24.849	.5
63	MP1C	Mx	-.012	.5
64	MP1C	X	0	5.5
65	MP1C	Z	-24.849	5.5
66	MP1C	Mx	-.012	5.5
67	MP1A	X	0	.5
68	MP1A	Z	-32.705	.5
69	MP1A	Mx	.025	.5
70	MP1A	X	0	5.5
71	MP1A	Z	-32.705	5.5
72	MP1A	Mx	.025	5.5
73	MP1B	X	0	.5
74	MP1B	Z	-34.099	.5
75	MP1B	Mx	-.013	.5
76	MP1B	X	0	5.5
77	MP1B	Z	-34.099	5.5
78	MP1B	Mx	-.013	5.5
79	MP1C	X	0	.5
80	MP1C	Z	-24.849	.5
81	MP1C	Mx	-.012	.5
82	MP1C	X	0	5.5
83	MP1C	Z	-24.849	5.5
84	MP1C	Mx	-.012	5.5
85	MP2A	X	0	.5
86	MP2A	Z	-32.4	.5
87	MP2A	Mx	.008	.5
88	MP2A	X	0	5.5
89	MP2A	Z	-32.4	5.5
90	MP2A	Mx	.008	5.5
91	MP2B	X	0	.5
92	MP2B	Z	-33.781	.5
93	MP2B	Mx	.006	.5
94	MP2B	X	0	5.5
95	MP2B	Z	-33.781	5.5
96	MP2B	Mx	.006	5.5
97	MP2C	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP2C	Z	-24.615	.5
99	MP2C	Mx	-.012	.5
100	MP2C	X	0	5.5
101	MP2C	Z	-24.615	5.5
102	MP2C	Mx	-.012	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	4.881	4.5
2	MP3A	Z	-8.454	4.5
3	MP3A	Mx	0	4.5
4	MP3B	X	2.993	4.5
5	MP3B	Z	-5.184	4.5
6	MP3B	Mx	.002	4.5
7	MP3C	X	2.468	4.5
8	MP3C	Z	-4.275	4.5
9	MP3C	Mx	-.002	4.5
10	MP3A	X	10.525	.5
11	MP3A	Z	-18.229	.5
12	MP3A	Mx	0	.5
13	MP3A	X	10.525	2.5
14	MP3A	Z	-18.229	2.5
15	MP3A	Mx	0	2.5
16	MP3B	X	7.094	.5
17	MP3B	Z	-12.287	.5
18	MP3B	Mx	.005	.5
19	MP3B	X	7.094	2.5
20	MP3B	Z	-12.287	2.5
21	MP3B	Mx	.005	2.5
22	MP3C	X	6.14	.5
23	MP3C	Z	-10.635	.5
24	MP3C	Mx	-.005	.5
25	MP3C	X	6.14	2.5
26	MP3C	Z	-10.635	2.5
27	MP3C	Mx	-.005	2.5
28	MP2A	X	9.122	2.5
29	MP2A	Z	-15.801	2.5
30	MP2A	Mx	0	2.5
31	MP2B	X	7.567	2.5
32	MP2B	Z	-13.107	2.5
33	MP2B	Mx	-.006	2.5
34	MP2C	X	7.135	2.5
35	MP2C	Z	-12.357	2.5
36	MP2C	Mx	.006	2.5
37	MP1A	X	9.122	2.5
38	MP1A	Z	-15.801	2.5
39	MP1A	Mx	0	2.5
40	MP1B	X	6.976	2.5
41	MP1B	Z	-12.083	2.5
42	MP1B	Mx	-.005	2.5
43	MP1C	X	6.379	2.5
44	MP1C	Z	-11.049	2.5
45	MP1C	Mx	.006	2.5
46	M104	X	14.114	1.5
47	M104	Z	-24.447	1.5
48	M104	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	7.061	4.5
2	MP3A	Z	-4.077	4.5
3	MP3A	Mx	-.002	4.5
4	MP3B	X	3.05	4.5
5	MP3B	Z	-1.761	4.5
6	MP3B	Mx	.002	4.5
7	MP3C	X	7.061	4.5
8	MP3C	Z	-4.077	4.5
9	MP3C	Mx	-.002	4.5
10	MP3A	X	15.698	.5
11	MP3A	Z	-9.063	.5
12	MP3A	Mx	-.005	.5
13	MP3A	X	15.698	2.5
14	MP3A	Z	-9.063	2.5
15	MP3A	Mx	-.005	2.5
16	MP3B	X	8.409	.5
17	MP3B	Z	-4.855	.5
18	MP3B	Mx	.005	.5
19	MP3B	X	8.409	2.5
20	MP3B	Z	-4.855	2.5
21	MP3B	Mx	.005	2.5
22	MP3C	X	15.698	.5
23	MP3C	Z	-9.063	.5
24	MP3C	Mx	-.005	.5
25	MP3C	X	15.698	2.5
26	MP3C	Z	-9.063	2.5
27	MP3C	Mx	-.005	2.5
28	MP2A	X	14.653	2.5
29	MP2A	Z	-8.46	2.5
30	MP2A	Mx	.004	2.5
31	MP2B	X	11.348	2.5
32	MP2B	Z	-6.552	2.5
33	MP2B	Mx	-.006	2.5
34	MP2C	X	14.653	2.5
35	MP2C	Z	-8.46	2.5
36	MP2C	Mx	.004	2.5
37	MP1A	X	14.217	2.5
38	MP1A	Z	-8.208	2.5
39	MP1A	Mx	.004	2.5
40	MP1B	X	9.656	2.5
41	MP1B	Z	-5.575	2.5
42	MP1B	Mx	-.005	2.5
43	MP1C	X	14.217	2.5
44	MP1C	Z	-8.208	2.5
45	MP1C	Mx	.004	2.5
46	M104	X	20.998	1.5
47	M104	Z	-12.123	1.5
48	M104	Mx	0	1.5
49	MP1A	X	28.323	.5
50	MP1A	Z	-16.353	.5
51	MP1A	Mx	-.025	.5
52	MP1A	X	28.323	5.5
53	MP1A	Z	-16.353	5.5
54	MP1A	Mx	-.025	5.5
55	MP1B	X	21.793	.5
56	MP1B	Z	-12.582	.5
57	MP1B	Mx	.015	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1B	X	21.793	5.5
59	MP1B	Z	-12.582	5.5
60	MP1B	Mx	.015	5.5
61	MP1C	X	28.323	.5
62	MP1C	Z	-16.353	.5
63	MP1C	Mx	.008	.5
64	MP1C	X	28.323	5.5
65	MP1C	Z	-16.353	5.5
66	MP1C	Mx	.008	5.5
67	MP1A	X	28.323	.5
68	MP1A	Z	-16.353	.5
69	MP1A	Mx	.008	.5
70	MP1A	X	28.323	5.5
71	MP1A	Z	-16.353	5.5
72	MP1A	Mx	.008	5.5
73	MP1B	X	21.793	.5
74	MP1B	Z	-12.582	.5
75	MP1B	Mx	.01	.5
76	MP1B	X	21.793	5.5
77	MP1B	Z	-12.582	5.5
78	MP1B	Mx	.01	5.5
79	MP1C	X	28.323	.5
80	MP1C	Z	-16.353	.5
81	MP1C	Mx	-.025	.5
82	MP1C	X	28.323	5.5
83	MP1C	Z	-16.353	5.5
84	MP1C	Mx	-.025	5.5
85	MP2A	X	28.059	.5
86	MP2A	Z	-16.2	.5
87	MP2A	Mx	-.008	.5
88	MP2A	X	28.059	5.5
89	MP2A	Z	-16.2	5.5
90	MP2A	Mx	-.008	5.5
91	MP2B	X	21.589	.5
92	MP2B	Z	-12.464	.5
93	MP2B	Mx	.012	.5
94	MP2B	X	21.589	5.5
95	MP2B	Z	-12.464	5.5
96	MP2B	Mx	.012	5.5
97	MP2C	X	28.059	.5
98	MP2C	Z	-16.2	.5
99	MP2C	Mx	-.008	.5
100	MP2C	X	28.059	5.5
101	MP2C	Z	-16.2	5.5
102	MP2C	Mx	-.008	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	4.936	4.5
2	MP3A	Z	0	4.5
3	MP3A	Mx	-.002	4.5
4	MP3B	X	4.08	4.5
5	MP3B	Z	0	4.5
6	MP3B	Mx	.002	4.5
7	MP3C	X	9.762	4.5
8	MP3C	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
9	MP3C	Mx	0	4.5
10	MP3A	X	12.28	.5
11	MP3A	Z	0	.5
12	MP3A	Mx	-.005	.5
13	MP3A	X	12.28	2.5
14	MP3A	Z	0	2.5
15	MP3A	Mx	-.005	2.5
16	MP3B	X	10.725	.5
17	MP3B	Z	0	.5
18	MP3B	Mx	.005	.5
19	MP3B	X	10.725	2.5
20	MP3B	Z	0	2.5
21	MP3B	Mx	.005	2.5
22	MP3C	X	21.049	.5
23	MP3C	Z	0	.5
24	MP3C	Mx	0	.5
25	MP3C	X	21.049	2.5
26	MP3C	Z	0	2.5
27	MP3C	Mx	0	2.5
28	MP2A	X	14.269	2.5
29	MP2A	Z	0	2.5
30	MP2A	Mx	.006	2.5
31	MP2B	X	13.564	2.5
32	MP2B	Z	0	2.5
33	MP2B	Mx	-.006	2.5
34	MP2C	X	18.245	2.5
35	MP2C	Z	0	2.5
36	MP2C	Mx	0	2.5
37	MP1A	X	12.758	2.5
38	MP1A	Z	0	2.5
39	MP1A	Mx	.006	2.5
40	MP1B	X	11.785	2.5
41	MP1B	Z	0	2.5
42	MP1B	Mx	-.006	2.5
43	MP1C	X	18.245	2.5
44	MP1C	Z	0	2.5
45	MP1C	Mx	0	2.5
46	M104	X	25.149	1.5
47	M104	Z	0	1.5
48	M104	Mx	0	1.5
49	MP1A	X	27.468	.5
50	MP1A	Z	0	.5
51	MP1A	Mx	-.02	.5
52	MP1A	X	27.468	5.5
53	MP1A	Z	0	5.5
54	MP1A	Mx	-.02	5.5
55	MP1B	X	26.074	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	.007	.5
58	MP1B	X	26.074	5.5
59	MP1B	Z	0	5.5
60	MP1B	Mx	.007	5.5
61	MP1C	X	35.324	.5
62	MP1C	Z	0	.5
63	MP1C	Mx	.021	.5
64	MP1C	X	35.324	5.5
65	MP1C	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
66	MP1C	Mx	.021	5.5
67	MP1A	X	27.468	.5
68	MP1A	Z	0	.5
69	MP1A	Mx	-.004	.5
70	MP1A	X	27.468	5.5
71	MP1A	Z	0	5.5
72	MP1A	Mx	-.004	5.5
73	MP1B	X	26.074	.5
74	MP1B	Z	0	.5
75	MP1B	Mx	.017	.5
76	MP1B	X	26.074	5.5
77	MP1B	Z	0	5.5
78	MP1B	Mx	.017	5.5
79	MP1C	X	35.324	.5
80	MP1C	Z	0	.5
81	MP1C	Mx	-.021	.5
82	MP1C	X	35.324	5.5
83	MP1C	Z	0	5.5
84	MP1C	Mx	-.021	5.5
85	MP2A	X	27.21	.5
86	MP2A	Z	0	.5
87	MP2A	Mx	-.012	.5
88	MP2A	X	27.21	5.5
89	MP2A	Z	0	5.5
90	MP2A	Mx	-.012	5.5
91	MP2B	X	25.83	.5
92	MP2B	Z	0	.5
93	MP2B	Mx	.012	.5
94	MP2B	X	25.83	5.5
95	MP2B	Z	0	5.5
96	MP2B	Mx	.012	5.5
97	MP2C	X	34.995	.5
98	MP2C	Z	0	.5
99	MP2C	Mx	0	.5
100	MP2C	X	34.995	5.5
101	MP2C	Z	0	5.5
102	MP2C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	2.882	4.5
2	MP3A	Z	1.664	4.5
3	MP3A	Mx	-.002	4.5
4	MP3B	X	6.152	4.5
5	MP3B	Z	3.552	4.5
6	MP3B	Mx	.002	4.5
7	MP3C	X	7.061	4.5
8	MP3C	Z	4.077	4.5
9	MP3C	Mx	.002	4.5
10	MP3A	X	8.104	.5
11	MP3A	Z	4.679	.5
12	MP3A	Mx	-.005	.5
13	MP3A	X	8.104	2.5
14	MP3A	Z	4.679	2.5
15	MP3A	Mx	-.005	2.5
16	MP3B	X	14.046	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
17	MP3B	Z	8.109	.5
18	MP3B	Mx	.005	.5
19	MP3B	X	14.046	2.5
20	MP3B	Z	8.109	2.5
21	MP3B	Mx	.005	2.5
22	MP3C	X	15.698	.5
23	MP3C	Z	9.063	.5
24	MP3C	Mx	.005	.5
25	MP3C	X	15.698	2.5
26	MP3C	Z	9.063	2.5
27	MP3C	Mx	.005	2.5
28	MP2A	X	11.21	2.5
29	MP2A	Z	6.472	2.5
30	MP2A	Mx	.006	2.5
31	MP2B	X	13.904	2.5
32	MP2B	Z	8.027	2.5
33	MP2B	Mx	-.005	2.5
34	MP2C	X	14.653	2.5
35	MP2C	Z	8.46	2.5
36	MP2C	Mx	-.004	2.5
37	MP1A	X	9.465	2.5
38	MP1A	Z	5.465	2.5
39	MP1A	Mx	.005	2.5
40	MP1B	X	13.183	2.5
41	MP1B	Z	7.611	2.5
42	MP1B	Mx	-.005	2.5
43	MP1C	X	14.217	2.5
44	MP1C	Z	8.208	2.5
45	MP1C	Mx	-.004	2.5
46	M104	X	26.01	1.5
47	M104	Z	15.017	1.5
48	M104	Mx	0	1.5
49	MP1A	X	21.52	.5
50	MP1A	Z	12.424	.5
51	MP1A	Mx	-.012	.5
52	MP1A	X	21.52	5.5
53	MP1A	Z	12.424	5.5
54	MP1A	Mx	-.012	5.5
55	MP1B	X	26.843	.5
56	MP1B	Z	15.498	.5
57	MP1B	Mx	-.004	.5
58	MP1B	X	26.843	5.5
59	MP1B	Z	15.498	5.5
60	MP1B	Mx	-.004	5.5
61	MP1C	X	28.323	.5
62	MP1C	Z	16.353	.5
63	MP1C	Mx	.025	.5
64	MP1C	X	28.323	5.5
65	MP1C	Z	16.353	5.5
66	MP1C	Mx	.025	5.5
67	MP1A	X	21.52	.5
68	MP1A	Z	12.424	.5
69	MP1A	Mx	-.012	.5
70	MP1A	X	21.52	5.5
71	MP1A	Z	12.424	5.5
72	MP1A	Mx	-.012	5.5
73	MP1B	X	26.843	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1B	Z	15.498	.5
75	MP1B	Mx	.024	.5
76	MP1B	X	26.843	5.5
77	MP1B	Z	15.498	5.5
78	MP1B	Mx	.024	5.5
79	MP1C	X	28.323	.5
80	MP1C	Z	16.353	.5
81	MP1C	Mx	-.008	.5
82	MP1C	X	28.323	5.5
83	MP1C	Z	16.353	5.5
84	MP1C	Mx	-.008	5.5
85	MP2A	X	21.317	.5
86	MP2A	Z	12.308	.5
87	MP2A	Mx	-.012	.5
88	MP2A	X	21.317	5.5
89	MP2A	Z	12.308	5.5
90	MP2A	Mx	-.012	5.5
91	MP2B	X	26.593	.5
92	MP2B	Z	15.353	.5
93	MP2B	Mx	.01	.5
94	MP2B	X	26.593	5.5
95	MP2B	Z	15.353	5.5
96	MP2B	Mx	.01	5.5
97	MP2C	X	28.059	.5
98	MP2C	Z	16.2	.5
99	MP2C	Mx	.008	.5
100	MP2C	X	28.059	5.5
101	MP2C	Z	16.2	5.5
102	MP2C	Mx	.008	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.468	4.5
2	MP3A	Z	4.275	4.5
3	MP3A	Mx	-.002	4.5
4	MP3B	X	4.784	4.5
5	MP3B	Z	8.286	4.5
6	MP3B	Mx	.000831	4.5
7	MP3C	X	2.468	4.5
8	MP3C	Z	4.275	4.5
9	MP3C	Mx	.002	4.5
10	MP3A	X	6.14	.5
11	MP3A	Z	10.635	.5
12	MP3A	Mx	-.005	.5
13	MP3A	X	6.14	2.5
14	MP3A	Z	10.635	2.5
15	MP3A	Mx	-.005	2.5
16	MP3B	X	10.348	.5
17	MP3B	Z	17.924	.5
18	MP3B	Mx	.002	.5
19	MP3B	X	10.348	2.5
20	MP3B	Z	17.924	2.5
21	MP3B	Mx	.002	2.5
22	MP3C	X	6.14	.5
23	MP3C	Z	10.635	.5
24	MP3C	Mx	.005	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
25	MP3C	X	6.14	2.5
26	MP3C	Z	10.635	2.5
27	MP3C	Mx	.005	2.5
28	MP2A	X	7.135	2.5
29	MP2A	Z	12.357	2.5
30	MP2A	Mx	.006	2.5
31	MP2B	X	9.043	2.5
32	MP2B	Z	15.662	2.5
33	MP2B	Mx	-.002	2.5
34	MP2C	X	7.135	2.5
35	MP2C	Z	12.357	2.5
36	MP2C	Mx	-.006	2.5
37	MP1A	X	6.379	2.5
38	MP1A	Z	11.049	2.5
39	MP1A	Mx	.006	2.5
40	MP1B	X	9.012	2.5
41	MP1B	Z	15.61	2.5
42	MP1B	Mx	-.002	2.5
43	MP1C	X	6.379	2.5
44	MP1C	Z	11.049	2.5
45	MP1C	Mx	-.006	2.5
46	M104	X	17.008	1.5
47	M104	Z	29.459	1.5
48	M104	Mx	0	1.5
49	MP1A	X	13.734	.5
50	MP1A	Z	23.788	.5
51	MP1A	Mx	-.004	.5
52	MP1A	X	13.734	5.5
53	MP1A	Z	23.788	5.5
54	MP1A	Mx	-.004	5.5
55	MP1B	X	17.504	.5
56	MP1B	Z	30.318	.5
57	MP1B	Mx	-.017	.5
58	MP1B	X	17.504	5.5
59	MP1B	Z	30.318	5.5
60	MP1B	Mx	-.017	5.5
61	MP1C	X	13.734	.5
62	MP1C	Z	23.788	.5
63	MP1C	Mx	.02	.5
64	MP1C	X	13.734	5.5
65	MP1C	Z	23.788	5.5
66	MP1C	Mx	.02	5.5
67	MP1A	X	13.734	.5
68	MP1A	Z	23.788	.5
69	MP1A	Mx	-.02	.5
70	MP1A	X	13.734	5.5
71	MP1A	Z	23.788	5.5
72	MP1A	Mx	-.02	5.5
73	MP1B	X	17.504	.5
74	MP1B	Z	30.318	.5
75	MP1B	Mx	.023	.5
76	MP1B	X	17.504	5.5
77	MP1B	Z	30.318	5.5
78	MP1B	Mx	.023	5.5
79	MP1C	X	13.734	.5
80	MP1C	Z	23.788	.5
81	MP1C	Mx	.004	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
82	MP1C	X	13.734	5.5
83	MP1C	Z	23.788	5.5
84	MP1C	Mx	.004	5.5
85	MP2A	X	13.605	.5
86	MP2A	Z	23.565	.5
87	MP2A	Mx	-.012	.5
88	MP2A	X	13.605	5.5
89	MP2A	Z	23.565	5.5
90	MP2A	Mx	-.012	5.5
91	MP2B	X	17.341	.5
92	MP2B	Z	30.036	.5
93	MP2B	Mx	.003	.5
94	MP2B	X	17.341	5.5
95	MP2B	Z	30.036	5.5
96	MP2B	Mx	.003	5.5
97	MP2C	X	13.605	.5
98	MP2C	Z	23.565	.5
99	MP2C	Mx	.012	.5
100	MP2C	X	13.605	5.5
101	MP2C	Z	23.565	5.5
102	MP2C	Mx	.012	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	0	4.5
2	MP3A	Z	8.153	4.5
3	MP3A	Mx	-.002	4.5
4	MP3B	X	0	4.5
5	MP3B	Z	9.009	4.5
6	MP3B	Mx	-.002	4.5
7	MP3C	X	0	4.5
8	MP3C	Z	3.328	4.5
9	MP3C	Mx	.002	4.5
10	MP3A	X	0	.5
11	MP3A	Z	18.126	.5
12	MP3A	Mx	-.005	.5
13	MP3A	X	0	2.5
14	MP3A	Z	18.126	2.5
15	MP3A	Mx	-.005	2.5
16	MP3B	X	0	.5
17	MP3B	Z	19.681	.5
18	MP3B	Mx	-.003	.5
19	MP3B	X	0	2.5
20	MP3B	Z	19.681	2.5
21	MP3B	Mx	-.003	2.5
22	MP3C	X	0	.5
23	MP3C	Z	9.357	.5
24	MP3C	Mx	.005	.5
25	MP3C	X	0	2.5
26	MP3C	Z	9.357	2.5
27	MP3C	Mx	.005	2.5
28	MP2A	X	0	2.5
29	MP2A	Z	16.92	2.5
30	MP2A	Mx	.004	2.5
31	MP2B	X	0	2.5
32	MP2B	Z	17.625	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
33	MP2B	Mx	.003	2.5
34	MP2C	X	0	2.5
35	MP2C	Z	12.944	2.5
36	MP2C	Mx	-.006	2.5
37	MP1A	X	0	2.5
38	MP1A	Z	16.416	2.5
39	MP1A	Mx	.004	2.5
40	MP1B	X	0	2.5
41	MP1B	Z	17.389	2.5
42	MP1B	Mx	.003	2.5
43	MP1C	X	0	2.5
44	MP1C	Z	10.929	2.5
45	MP1C	Mx	-.005	2.5
46	M104	X	0	1.5
47	M104	Z	33.114	1.5
48	M104	Mx	0	1.5
49	MP1A	X	0	.5
50	MP1A	Z	32.705	.5
51	MP1A	Mx	.008	.5
52	MP1A	X	0	5.5
53	MP1A	Z	32.705	5.5
54	MP1A	Mx	.008	5.5
55	MP1B	X	0	.5
56	MP1B	Z	34.099	.5
57	MP1B	Mx	-.025	.5
58	MP1B	X	0	5.5
59	MP1B	Z	34.099	5.5
60	MP1B	Mx	-.025	5.5
61	MP1C	X	0	.5
62	MP1C	Z	24.849	.5
63	MP1C	Mx	.012	.5
64	MP1C	X	0	5.5
65	MP1C	Z	24.849	5.5
66	MP1C	Mx	.012	5.5
67	MP1A	X	0	.5
68	MP1A	Z	32.705	.5
69	MP1A	Mx	-.025	.5
70	MP1A	X	0	5.5
71	MP1A	Z	32.705	5.5
72	MP1A	Mx	-.025	5.5
73	MP1B	X	0	.5
74	MP1B	Z	34.099	.5
75	MP1B	Mx	.013	.5
76	MP1B	X	0	5.5
77	MP1B	Z	34.099	5.5
78	MP1B	Mx	.013	5.5
79	MP1C	X	0	.5
80	MP1C	Z	24.849	.5
81	MP1C	Mx	.012	.5
82	MP1C	X	0	5.5
83	MP1C	Z	24.849	5.5
84	MP1C	Mx	.012	5.5
85	MP2A	X	0	.5
86	MP2A	Z	32.4	.5
87	MP2A	Mx	-.008	.5
88	MP2A	X	0	5.5
89	MP2A	Z	32.4	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP2A	Mx	-.008	5.5
91	MP2B	X	0	.5
92	MP2B	Z	33.781	.5
93	MP2B	Mx	-.006	.5
94	MP2B	X	0	5.5
95	MP2B	Z	33.781	5.5
96	MP2B	Mx	-.006	5.5
97	MP2C	X	0	.5
98	MP2C	Z	24.615	.5
99	MP2C	Mx	.012	.5
100	MP2C	X	0	5.5
101	MP2C	Z	24.615	5.5
102	MP2C	Mx	.012	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.881	4.5
2	MP3A	Z	8.454	4.5
3	MP3A	Mx	0	4.5
4	MP3B	X	-2.993	4.5
5	MP3B	Z	5.184	4.5
6	MP3B	Mx	-.002	4.5
7	MP3C	X	-2.468	4.5
8	MP3C	Z	4.275	4.5
9	MP3C	Mx	.002	4.5
10	MP3A	X	-10.525	.5
11	MP3A	Z	18.229	.5
12	MP3A	Mx	0	.5
13	MP3A	X	-10.525	2.5
14	MP3A	Z	18.229	2.5
15	MP3A	Mx	0	2.5
16	MP3B	X	-7.094	.5
17	MP3B	Z	12.287	.5
18	MP3B	Mx	-.005	.5
19	MP3B	X	-7.094	2.5
20	MP3B	Z	12.287	2.5
21	MP3B	Mx	-.005	2.5
22	MP3C	X	-6.14	.5
23	MP3C	Z	10.635	.5
24	MP3C	Mx	.005	.5
25	MP3C	X	-6.14	2.5
26	MP3C	Z	10.635	2.5
27	MP3C	Mx	.005	2.5
28	MP2A	X	-9.122	2.5
29	MP2A	Z	15.801	2.5
30	MP2A	Mx	0	2.5
31	MP2B	X	-7.567	2.5
32	MP2B	Z	13.107	2.5
33	MP2B	Mx	.006	2.5
34	MP2C	X	-7.135	2.5
35	MP2C	Z	12.357	2.5
36	MP2C	Mx	-.006	2.5
37	MP1A	X	-9.122	2.5
38	MP1A	Z	15.801	2.5
39	MP1A	Mx	0	2.5
40	MP1B	X	-6.976	2.5

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

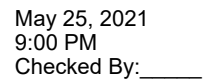
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
41	MP1B	Z	12.083	2.5
42	MP1B	Mx	.005	2.5
43	MP1C	X	-6.379	2.5
44	MP1C	Z	11.049	2.5
45	MP1C	Mx	-.006	2.5
46	M104	X	-14.114	1.5
47	M104	Z	24.447	1.5
48	M104	Mx	0	1.5
49	MP1A	X	-17.662	.5
50	MP1A	Z	30.591	.5
51	MP1A	Mx	.021	.5
52	MP1A	X	-17.662	5.5
53	MP1A	Z	30.591	5.5
54	MP1A	Mx	.021	5.5
55	MP1B	X	-14.588	.5
56	MP1B	Z	25.268	.5
57	MP1B	Mx	-.022	.5
58	MP1B	X	-14.588	5.5
59	MP1B	Z	25.268	5.5
60	MP1B	Mx	-.022	5.5
61	MP1C	X	-13.734	.5
62	MP1C	Z	23.788	.5
63	MP1C	Mx	.004	.5
64	MP1C	X	-13.734	5.5
65	MP1C	Z	23.788	5.5
66	MP1C	Mx	.004	5.5
67	MP1A	X	-17.662	.5
68	MP1A	Z	30.591	.5
69	MP1A	Mx	-.021	.5
70	MP1A	X	-17.662	5.5
71	MP1A	Z	30.591	5.5
72	MP1A	Mx	-.021	5.5
73	MP1B	X	-14.588	.5
74	MP1B	Z	25.268	.5
75	MP1B	Mx	-.000235	.5
76	MP1B	X	-14.588	5.5
77	MP1B	Z	25.268	5.5
78	MP1B	Mx	-.000235	5.5
79	MP1C	X	-13.734	.5
80	MP1C	Z	23.788	.5
81	MP1C	Mx	.02	.5
82	MP1C	X	-13.734	5.5
83	MP1C	Z	23.788	5.5
84	MP1C	Mx	.02	5.5
85	MP2A	X	-17.498	.5
86	MP2A	Z	30.307	.5
87	MP2A	Mx	0	.5
88	MP2A	X	-17.498	5.5
89	MP2A	Z	30.307	5.5
90	MP2A	Mx	0	5.5
91	MP2B	X	-14.452	.5
92	MP2B	Z	25.032	.5
93	MP2B	Mx	-.011	.5
94	MP2B	X	-14.452	5.5
95	MP2B	Z	25.032	5.5
96	MP2B	Mx	-.011	5.5
97	MP2C	X	-13.605	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP2C	Z	23.565	.5
99	MP2C	Mx	.012	.5
100	MP2C	X	-13.605	5.5
101	MP2C	Z	23.565	5.5
102	MP2C	Mx	.012	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.061	4.5
2	MP3A	Z	4.077	4.5
3	MP3A	Mx	.002	4.5
4	MP3B	X	-3.05	4.5
5	MP3B	Z	1.761	4.5
6	MP3B	Mx	-.002	4.5
7	MP3C	X	-7.061	4.5
8	MP3C	Z	4.077	4.5
9	MP3C	Mx	.002	4.5
10	MP3A	X	-15.698	.5
11	MP3A	Z	9.063	.5
12	MP3A	Mx	.005	.5
13	MP3A	X	-15.698	2.5
14	MP3A	Z	9.063	2.5
15	MP3A	Mx	.005	2.5
16	MP3B	X	-8.409	.5
17	MP3B	Z	4.855	.5
18	MP3B	Mx	-.005	.5
19	MP3B	X	-8.409	2.5
20	MP3B	Z	4.855	2.5
21	MP3B	Mx	-.005	2.5
22	MP3C	X	-15.698	.5
23	MP3C	Z	9.063	.5
24	MP3C	Mx	.005	.5
25	MP3C	X	-15.698	2.5
26	MP3C	Z	9.063	2.5
27	MP3C	Mx	.005	2.5
28	MP2A	X	-14.653	2.5
29	MP2A	Z	8.46	2.5
30	MP2A	Mx	-.004	2.5
31	MP2B	X	-11.348	2.5
32	MP2B	Z	6.552	2.5
33	MP2B	Mx	.006	2.5
34	MP2C	X	-14.653	2.5
35	MP2C	Z	8.46	2.5
36	MP2C	Mx	-.004	2.5
37	MP1A	X	-14.217	2.5
38	MP1A	Z	8.208	2.5
39	MP1A	Mx	-.004	2.5
40	MP1B	X	-9.656	2.5
41	MP1B	Z	5.575	2.5
42	MP1B	Mx	.005	2.5
43	MP1C	X	-14.217	2.5
44	MP1C	Z	8.208	2.5
45	MP1C	Mx	-.004	2.5
46	M104	X	-20.998	1.5
47	M104	Z	12.123	1.5
48	M104	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-4.936	4.5
2	MP3A	Z	0	4.5
3	MP3A	Mx	.002	4.5
4	MP3B	X	-4.08	4.5
5	MP3B	Z	0	4.5
6	MP3B	Mx	-.002	4.5
7	MP3C	X	-9.762	4.5
8	MP3C	Z	0	4.5
9	MP3C	Mx	0	4.5
10	MP3A	X	-12.28	.5
11	MP3A	Z	0	.5
12	MP3A	Mx	.005	.5
13	MP3A	X	-12.28	2.5
14	MP3A	Z	0	2.5
15	MP3A	Mx	.005	2.5
16	MP3B	X	-10.725	.5
17	MP3B	Z	0	.5
18	MP3B	Mx	-.005	.5
19	MP3B	X	-10.725	2.5
20	MP3B	Z	0	2.5
21	MP3B	Mx	-.005	2.5
22	MP3C	X	-21.049	.5
23	MP3C	Z	0	.5
24	MP3C	Mx	0	.5
25	MP3C	X	-21.049	2.5
26	MP3C	Z	0	2.5
27	MP3C	Mx	0	2.5
28	MP2A	X	-14.269	2.5
29	MP2A	Z	0	2.5
30	MP2A	Mx	-.006	2.5
31	MP2B	X	-13.564	2.5
32	MP2B	Z	0	2.5
33	MP2B	Mx	.006	2.5
34	MP2C	X	-18.245	2.5
35	MP2C	Z	0	2.5
36	MP2C	Mx	0	2.5
37	MP1A	X	-12.758	2.5
38	MP1A	Z	0	2.5
39	MP1A	Mx	-.006	2.5
40	MP1B	X	-11.785	2.5
41	MP1B	Z	0	2.5
42	MP1B	Mx	.006	2.5
43	MP1C	X	-18.245	2.5
44	MP1C	Z	0	2.5
45	MP1C	Mx	0	2.5
46	M104	X	-25.149	1.5
47	M104	Z	0	1.5
48	M104	Mx	0	1.5
49	MP1A	X	-27.468	.5
50	MP1A	Z	0	.5
51	MP1A	Mx	.02	.5
52	MP1A	X	-27.468	5.5
53	MP1A	Z	0	5.5
54	MP1A	Mx	.02	5.5
55	MP1B	X	-26.074	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	-.007	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1B	X	-26.074	5.5
59	MP1B	Z	0	5.5
60	MP1B	Mx	-.007	5.5
61	MP1C	X	-35.324	.5
62	MP1C	Z	0	.5
63	MP1C	Mx	-.021	.5
64	MP1C	X	-35.324	5.5
65	MP1C	Z	0	5.5
66	MP1C	Mx	-.021	5.5
67	MP1A	X	-27.468	.5
68	MP1A	Z	0	.5
69	MP1A	Mx	.004	.5
70	MP1A	X	-27.468	5.5
71	MP1A	Z	0	5.5
72	MP1A	Mx	.004	5.5
73	MP1B	X	-26.074	.5
74	MP1B	Z	0	.5
75	MP1B	Mx	-.017	.5
76	MP1B	X	-26.074	5.5
77	MP1B	Z	0	5.5
78	MP1B	Mx	-.017	5.5
79	MP1C	X	-35.324	.5
80	MP1C	Z	0	.5
81	MP1C	Mx	.021	.5
82	MP1C	X	-35.324	5.5
83	MP1C	Z	0	5.5
84	MP1C	Mx	.021	5.5
85	MP2A	X	-27.21	.5
86	MP2A	Z	0	.5
87	MP2A	Mx	.012	.5
88	MP2A	X	-27.21	5.5
89	MP2A	Z	0	5.5
90	MP2A	Mx	.012	5.5
91	MP2B	X	-25.83	.5
92	MP2B	Z	0	.5
93	MP2B	Mx	-.012	.5
94	MP2B	X	-25.83	5.5
95	MP2B	Z	0	5.5
96	MP2B	Mx	-.012	5.5
97	MP2C	X	-34.995	.5
98	MP2C	Z	0	.5
99	MP2C	Mx	0	.5
100	MP2C	X	-34.995	5.5
101	MP2C	Z	0	5.5
102	MP2C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-2.882	4.5
2	MP3A	Z	-1.664	4.5
3	MP3A	Mx	.002	4.5
4	MP3B	X	-6.152	4.5
5	MP3B	Z	-3.552	4.5
6	MP3B	Mx	-.002	4.5
7	MP3C	X	-7.061	4.5
8	MP3C	Z	-4.077	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
9	MP3C	Mx	-.002	4.5
10	MP3A	X	-8.104	.5
11	MP3A	Z	-4.679	.5
12	MP3A	Mx	.005	.5
13	MP3A	X	-8.104	2.5
14	MP3A	Z	-4.679	2.5
15	MP3A	Mx	.005	2.5
16	MP3B	X	-14.046	.5
17	MP3B	Z	-8.109	.5
18	MP3B	Mx	-.005	.5
19	MP3B	X	-14.046	2.5
20	MP3B	Z	-8.109	2.5
21	MP3B	Mx	-.005	2.5
22	MP3C	X	-15.698	.5
23	MP3C	Z	-9.063	.5
24	MP3C	Mx	-.005	.5
25	MP3C	X	-15.698	2.5
26	MP3C	Z	-9.063	2.5
27	MP3C	Mx	-.005	2.5
28	MP2A	X	-11.21	2.5
29	MP2A	Z	-6.472	2.5
30	MP2A	Mx	-.006	2.5
31	MP2B	X	-13.904	2.5
32	MP2B	Z	-8.027	2.5
33	MP2B	Mx	.005	2.5
34	MP2C	X	-14.653	2.5
35	MP2C	Z	-8.46	2.5
36	MP2C	Mx	.004	2.5
37	MP1A	X	-9.465	2.5
38	MP1A	Z	-5.465	2.5
39	MP1A	Mx	-.005	2.5
40	MP1B	X	-13.183	2.5
41	MP1B	Z	-7.611	2.5
42	MP1B	Mx	.005	2.5
43	MP1C	X	-14.217	2.5
44	MP1C	Z	-8.208	2.5
45	MP1C	Mx	.004	2.5
46	M104	X	-26.01	1.5
47	M104	Z	-15.017	1.5
48	M104	Mx	0	1.5
49	MP1A	X	-21.52	.5
50	MP1A	Z	-12.424	.5
51	MP1A	Mx	.012	.5
52	MP1A	X	-21.52	5.5
53	MP1A	Z	-12.424	5.5
54	MP1A	Mx	.012	5.5
55	MP1B	X	-26.843	.5
56	MP1B	Z	-15.498	.5
57	MP1B	Mx	.004	.5
58	MP1B	X	-26.843	5.5
59	MP1B	Z	-15.498	5.5
60	MP1B	Mx	.004	5.5
61	MP1C	X	-28.323	.5
62	MP1C	Z	-16.353	.5
63	MP1C	Mx	-.025	.5
64	MP1C	X	-28.323	5.5
65	MP1C	Z	-16.353	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1C	Mx	-.025	5.5
67	MP1A	X	-21.52	.5
68	MP1A	Z	-12.424	.5
69	MP1A	Mx	.012	.5
70	MP1A	X	-21.52	5.5
71	MP1A	Z	-12.424	5.5
72	MP1A	Mx	.012	5.5
73	MP1B	X	-26.843	.5
74	MP1B	Z	-15.498	.5
75	MP1B	Mx	-.024	.5
76	MP1B	X	-26.843	5.5
77	MP1B	Z	-15.498	5.5
78	MP1B	Mx	-.024	5.5
79	MP1C	X	-28.323	.5
80	MP1C	Z	-16.353	.5
81	MP1C	Mx	.008	.5
82	MP1C	X	-28.323	5.5
83	MP1C	Z	-16.353	5.5
84	MP1C	Mx	.008	5.5
85	MP2A	X	-21.317	.5
86	MP2A	Z	-12.308	.5
87	MP2A	Mx	.012	.5
88	MP2A	X	-21.317	5.5
89	MP2A	Z	-12.308	5.5
90	MP2A	Mx	.012	5.5
91	MP2B	X	-26.593	.5
92	MP2B	Z	-15.353	.5
93	MP2B	Mx	-.01	.5
94	MP2B	X	-26.593	5.5
95	MP2B	Z	-15.353	5.5
96	MP2B	Mx	-.01	5.5
97	MP2C	X	-28.059	.5
98	MP2C	Z	-16.2	.5
99	MP2C	Mx	-.008	.5
100	MP2C	X	-28.059	5.5
101	MP2C	Z	-16.2	5.5
102	MP2C	Mx	-.008	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.468	4.5
2	MP3A	Z	-4.275	4.5
3	MP3A	Mx	.002	4.5
4	MP3B	X	-4.784	4.5
5	MP3B	Z	-8.286	4.5
6	MP3B	Mx	-.000831	4.5
7	MP3C	X	-2.468	4.5
8	MP3C	Z	-4.275	4.5
9	MP3C	Mx	-.002	4.5
10	MP3A	X	-6.14	.5
11	MP3A	Z	-10.635	.5
12	MP3A	Mx	.005	.5
13	MP3A	X	-6.14	2.5
14	MP3A	Z	-10.635	2.5
15	MP3A	Mx	.005	2.5
16	MP3B	X	-10.348	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
17	MP3B	Z	-17.924	.5
18	MP3B	Mx	-.002	.5
19	MP3B	X	-10.348	2.5
20	MP3B	Z	-17.924	2.5
21	MP3B	Mx	-.002	2.5
22	MP3C	X	-6.14	.5
23	MP3C	Z	-10.635	.5
24	MP3C	Mx	-.005	.5
25	MP3C	X	-6.14	2.5
26	MP3C	Z	-10.635	2.5
27	MP3C	Mx	-.005	2.5
28	MP2A	X	-7.135	2.5
29	MP2A	Z	-12.357	2.5
30	MP2A	Mx	-.006	2.5
31	MP2B	X	-9.043	2.5
32	MP2B	Z	-15.662	2.5
33	MP2B	Mx	.002	2.5
34	MP2C	X	-7.135	2.5
35	MP2C	Z	-12.357	2.5
36	MP2C	Mx	.006	2.5
37	MP1A	X	-6.379	2.5
38	MP1A	Z	-11.049	2.5
39	MP1A	Mx	-.006	2.5
40	MP1B	X	-9.012	2.5
41	MP1B	Z	-15.61	2.5
42	MP1B	Mx	.002	2.5
43	MP1C	X	-6.379	2.5
44	MP1C	Z	-11.049	2.5
45	MP1C	Mx	.006	2.5
46	M104	X	-17.008	1.5
47	M104	Z	-29.459	1.5
48	M104	Mx	0	1.5
49	MP1A	X	-13.734	.5
50	MP1A	Z	-23.788	.5
51	MP1A	Mx	.004	.5
52	MP1A	X	-13.734	5.5
53	MP1A	Z	-23.788	5.5
54	MP1A	Mx	.004	5.5
55	MP1B	X	-17.504	.5
56	MP1B	Z	-30.318	.5
57	MP1B	Mx	.017	.5
58	MP1B	X	-17.504	5.5
59	MP1B	Z	-30.318	5.5
60	MP1B	Mx	.017	5.5
61	MP1C	X	-13.734	.5
62	MP1C	Z	-23.788	.5
63	MP1C	Mx	-.02	.5
64	MP1C	X	-13.734	5.5
65	MP1C	Z	-23.788	5.5
66	MP1C	Mx	-.02	5.5
67	MP1A	X	-13.734	.5
68	MP1A	Z	-23.788	.5
69	MP1A	Mx	.02	.5
70	MP1A	X	-13.734	5.5
71	MP1A	Z	-23.788	5.5
72	MP1A	Mx	.02	5.5
73	MP1B	X	-17.504	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1B	Z	-30.318	.5
75	MP1B	Mx	-.023	.5
76	MP1B	X	-17.504	5.5
77	MP1B	Z	-30.318	5.5
78	MP1B	Mx	-.023	5.5
79	MP1C	X	-13.734	.5
80	MP1C	Z	-23.788	.5
81	MP1C	Mx	-.004	.5
82	MP1C	X	-13.734	5.5
83	MP1C	Z	-23.788	5.5
84	MP1C	Mx	-.004	5.5
85	MP2A	X	-13.605	.5
86	MP2A	Z	-23.565	.5
87	MP2A	Mx	.012	.5
88	MP2A	X	-13.605	5.5
89	MP2A	Z	-23.565	5.5
90	MP2A	Mx	.012	5.5
91	MP2B	X	-17.341	.5
92	MP2B	Z	-30.036	.5
93	MP2B	Mx	-.003	.5
94	MP2B	X	-17.341	5.5
95	MP2B	Z	-30.036	5.5
96	MP2B	Mx	-.003	5.5
97	MP2C	X	-13.605	.5
98	MP2C	Z	-23.565	.5
99	MP2C	Mx	-.012	.5
100	MP2C	X	-13.605	5.5
101	MP2C	Z	-23.565	5.5
102	MP2C	Mx	-.012	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	4.5
2	MP3A	Z	-1.912	4.5
3	MP3A	Mx	.000478	4.5
4	MP3B	X	0	4.5
5	MP3B	Z	-2.168	4.5
6	MP3B	Mx	.000371	4.5
7	MP3C	X	0	4.5
8	MP3C	Z	-.469	4.5
9	MP3C	Mx	-.000234	4.5
10	MP3A	X	0	.5
11	MP3A	Z	-5.357	.5
12	MP3A	Mx	.001	.5
13	MP3A	X	0	2.5
14	MP3A	Z	-5.357	2.5
15	MP3A	Mx	.001	2.5
16	MP3B	X	0	.5
17	MP3B	Z	-5.869	.5
18	MP3B	Mx	.001	.5
19	MP3B	X	0	2.5
20	MP3B	Z	-5.869	2.5
21	MP3B	Mx	.001	2.5
22	MP3C	X	0	.5
23	MP3C	Z	-2.474	.5
24	MP3C	Mx	-.001	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3C	X	0	2.5
26	MP3C	Z	-2.474	2.5
27	MP3C	Mx	-.001	2.5
28	MP2A	X	0	2.5
29	MP2A	Z	-4.611	2.5
30	MP2A	Mx	-.001	2.5
31	MP2B	X	0	2.5
32	MP2B	Z	-4.833	2.5
33	MP2B	Mx	-.000826	2.5
34	MP2C	X	0	2.5
35	MP2C	Z	-3.361	2.5
36	MP2C	Mx	.002	2.5
37	MP1A	X	0	2.5
38	MP1A	Z	-4.452	2.5
39	MP1A	Mx	-.001	2.5
40	MP1B	X	0	2.5
41	MP1B	Z	-4.758	2.5
42	MP1B	Mx	-.000814	2.5
43	MP1C	X	0	2.5
44	MP1C	Z	-2.722	2.5
45	MP1C	Mx	.001	2.5
46	M104	X	0	1.5
47	M104	Z	-9.787	1.5
48	M104	Mx	0	1.5
49	MP1A	X	0	.5
50	MP1A	Z	-10.041	.5
51	MP1A	Mx	-.003	.5
52	MP1A	X	0	5.5
53	MP1A	Z	-10.041	5.5
54	MP1A	Mx	-.003	5.5
55	MP1B	X	0	.5
56	MP1B	Z	-10.536	.5
57	MP1B	Mx	.008	.5
58	MP1B	X	0	5.5
59	MP1B	Z	-10.536	5.5
60	MP1B	Mx	.008	5.5
61	MP1C	X	0	.5
62	MP1C	Z	-7.255	.5
63	MP1C	Mx	-.004	.5
64	MP1C	X	0	5.5
65	MP1C	Z	-7.255	5.5
66	MP1C	Mx	-.004	5.5
67	MP1A	X	0	.5
68	MP1A	Z	-10.041	.5
69	MP1A	Mx	.008	.5
70	MP1A	X	0	5.5
71	MP1A	Z	-10.041	5.5
72	MP1A	Mx	.008	5.5
73	MP1B	X	0	.5
74	MP1B	Z	-10.536	.5
75	MP1B	Mx	-.004	.5
76	MP1B	X	0	5.5
77	MP1B	Z	-10.536	5.5
78	MP1B	Mx	-.004	5.5
79	MP1C	X	0	.5
80	MP1C	Z	-7.255	.5
81	MP1C	Mx	-.004	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
82	MP1C	X	0	5.5
83	MP1C	Z	-7.255	5.5
84	MP1C	Mx	-.004	5.5
85	MP2A	X	0	.5
86	MP2A	Z	-9.952	.5
87	MP2A	Mx	.002	.5
88	MP2A	X	0	5.5
89	MP2A	Z	-9.952	5.5
90	MP2A	Mx	.002	5.5
91	MP2B	X	0	.5
92	MP2B	Z	-10.444	.5
93	MP2B	Mx	.002	.5
94	MP2B	X	0	5.5
95	MP2B	Z	-10.444	5.5
96	MP2B	Mx	.002	5.5
97	MP2C	X	0	.5
98	MP2C	Z	-7.181	.5
99	MP2C	Mx	-.004	.5
100	MP2C	X	0	5.5
101	MP2C	Z	-7.181	5.5
102	MP2C	Mx	-.004	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	1.197	4.5
2	MP3A	Z	-2.072	4.5
3	MP3A	Mx	0	4.5
4	MP3B	X	.632	4.5
5	MP3B	Z	-1.095	4.5
6	MP3B	Mx	.000484	4.5
7	MP3C	X	.475	4.5
8	MP3C	Z	-.823	4.5
9	MP3C	Mx	-.000412	4.5
10	MP3A	X	3.159	.5
11	MP3A	Z	-5.472	.5
12	MP3A	Mx	0	.5
13	MP3A	X	3.159	2.5
14	MP3A	Z	-5.472	2.5
15	MP3A	Mx	0	2.5
16	MP3B	X	2.031	.5
17	MP3B	Z	-3.518	.5
18	MP3B	Mx	.002	.5
19	MP3B	X	2.031	2.5
20	MP3B	Z	-3.518	2.5
21	MP3B	Mx	.002	2.5
22	MP3C	X	1.717	.5
23	MP3C	Z	-2.975	.5
24	MP3C	Mx	-.001	.5
25	MP3C	X	1.717	2.5
26	MP3C	Z	-2.975	2.5
27	MP3C	Mx	-.001	2.5
28	MP2A	X	2.514	2.5
29	MP2A	Z	-4.354	2.5
30	MP2A	Mx	0	2.5
31	MP2B	X	2.025	2.5
32	MP2B	Z	-3.507	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
33	MP2B	Mx	-.002	2.5
34	MP2C	X	1.889	2.5
35	MP2C	Z	-3.272	2.5
36	MP2C	Mx	.002	2.5
37	MP1A	X	2.514	2.5
38	MP1A	Z	-4.354	2.5
39	MP1A	Mx	0	2.5
40	MP1B	X	1.838	2.5
41	MP1B	Z	-3.183	2.5
42	MP1B	Mx	-.001	2.5
43	MP1C	X	1.649	2.5
44	MP1C	Z	-2.857	2.5
45	MP1C	Mx	.001	2.5
46	M104	X	4.084	1.5
47	M104	Z	-7.074	1.5
48	M104	Mx	0	1.5
49	MP1A	X	5.485	.5
50	MP1A	Z	-9.5	.5
51	MP1A	Mx	-.006	.5
52	MP1A	X	5.485	5.5
53	MP1A	Z	-9.5	5.5
54	MP1A	Mx	-.006	5.5
55	MP1B	X	4.395	.5
56	MP1B	Z	-7.612	.5
57	MP1B	Mx	.007	.5
58	MP1B	X	4.395	5.5
59	MP1B	Z	-7.612	5.5
60	MP1B	Mx	.007	5.5
61	MP1C	X	4.092	.5
62	MP1C	Z	-7.087	.5
63	MP1C	Mx	-.001	.5
64	MP1C	X	4.092	5.5
65	MP1C	Z	-7.087	5.5
66	MP1C	Mx	-.001	5.5
67	MP1A	X	5.485	.5
68	MP1A	Z	-9.5	.5
69	MP1A	Mx	.006	.5
70	MP1A	X	5.485	5.5
71	MP1A	Z	-9.5	5.5
72	MP1A	Mx	.006	5.5
73	MP1B	X	4.395	.5
74	MP1B	Z	-7.612	.5
75	MP1B	Mx	7.1e-5	.5
76	MP1B	X	4.395	5.5
77	MP1B	Z	-7.612	5.5
78	MP1B	Mx	7.1e-5	5.5
79	MP1C	X	4.092	.5
80	MP1C	Z	-7.087	.5
81	MP1C	Mx	-.006	.5
82	MP1C	X	4.092	5.5
83	MP1C	Z	-7.087	5.5
84	MP1C	Mx	-.006	5.5
85	MP2A	X	5.438	.5
86	MP2A	Z	-9.419	.5
87	MP2A	Mx	0	.5
88	MP2A	X	5.438	5.5
89	MP2A	Z	-9.419	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP2A	Mx	0	5.5
91	MP2B	X	4.354	.5
92	MP2B	Z	-7.541	.5
93	MP2B	Mx	.003	.5
94	MP2B	X	4.354	5.5
95	MP2B	Z	-7.541	5.5
96	MP2B	Mx	.003	5.5
97	MP2C	X	4.052	.5
98	MP2C	Z	-7.019	.5
99	MP2C	Mx	-.004	.5
100	MP2C	X	4.052	5.5
101	MP2C	Z	-7.019	5.5
102	MP2C	Mx	-.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.656	4.5
2	MP3A	Z	-.956	4.5
3	MP3A	Mx	-.000478	4.5
4	MP3B	X	.457	4.5
5	MP3B	Z	-.264	4.5
6	MP3B	Mx	.00026	4.5
7	MP3C	X	1.656	4.5
8	MP3C	Z	-.956	4.5
9	MP3C	Mx	-.000478	4.5
10	MP3A	X	4.64	.5
11	MP3A	Z	-2.679	.5
12	MP3A	Mx	-.001	.5
13	MP3A	X	4.64	2.5
14	MP3A	Z	-2.679	2.5
15	MP3A	Mx	-.001	2.5
16	MP3B	X	2.243	.5
17	MP3B	Z	-1.295	.5
18	MP3B	Mx	.001	.5
19	MP3B	X	2.243	2.5
20	MP3B	Z	-1.295	2.5
21	MP3B	Mx	.001	2.5
22	MP3C	X	4.64	.5
23	MP3C	Z	-2.679	.5
24	MP3C	Mx	-.001	.5
25	MP3C	X	4.64	2.5
26	MP3C	Z	-2.679	2.5
27	MP3C	Mx	-.001	2.5
28	MP2A	X	3.993	2.5
29	MP2A	Z	-2.306	2.5
30	MP2A	Mx	.001	2.5
31	MP2B	X	2.954	2.5
32	MP2B	Z	-1.706	2.5
33	MP2B	Mx	-.002	2.5
34	MP2C	X	3.993	2.5
35	MP2C	Z	-2.306	2.5
36	MP2C	Mx	.001	2.5
37	MP1A	X	3.855	2.5
38	MP1A	Z	-2.226	2.5
39	MP1A	Mx	.001	2.5
40	MP1B	X	2.418	2.5

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

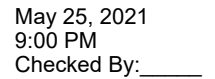
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
41	MP1B	Z	-1.396	2.5
42	MP1B	Mx	-.001	2.5
43	MP1C	X	3.855	2.5
44	MP1C	Z	-2.226	2.5
45	MP1C	Mx	.001	2.5
46	M104	X	5.932	1.5
47	M104	Z	-3.425	1.5
48	M104	Mx	0	1.5
49	MP1A	X	8.696	.5
50	MP1A	Z	-5.021	.5
51	MP1A	Mx	-.008	.5
52	MP1A	X	8.696	5.5
53	MP1A	Z	-5.021	5.5
54	MP1A	Mx	-.008	5.5
55	MP1B	X	6.38	.5
56	MP1B	Z	-3.683	.5
57	MP1B	Mx	.004	.5
58	MP1B	X	6.38	5.5
59	MP1B	Z	-3.683	5.5
60	MP1B	Mx	.004	5.5
61	MP1C	X	8.696	.5
62	MP1C	Z	-5.021	.5
63	MP1C	Mx	.003	.5
64	MP1C	X	8.696	5.5
65	MP1C	Z	-5.021	5.5
66	MP1C	Mx	.003	5.5
67	MP1A	X	8.696	.5
68	MP1A	Z	-5.021	.5
69	MP1A	Mx	.003	.5
70	MP1A	X	8.696	5.5
71	MP1A	Z	-5.021	5.5
72	MP1A	Mx	.003	5.5
73	MP1B	X	6.38	.5
74	MP1B	Z	-3.683	.5
75	MP1B	Mx	.003	.5
76	MP1B	X	6.38	5.5
77	MP1B	Z	-3.683	5.5
78	MP1B	Mx	.003	5.5
79	MP1C	X	8.696	.5
80	MP1C	Z	-5.021	.5
81	MP1C	Mx	-.008	.5
82	MP1C	X	8.696	5.5
83	MP1C	Z	-5.021	5.5
84	MP1C	Mx	-.008	5.5
85	MP2A	X	8.619	.5
86	MP2A	Z	-4.976	.5
87	MP2A	Mx	-.002	.5
88	MP2A	X	8.619	5.5
89	MP2A	Z	-4.976	5.5
90	MP2A	Mx	-.002	5.5
91	MP2B	X	6.316	.5
92	MP2B	Z	-3.646	.5
93	MP2B	Mx	.004	.5
94	MP2B	X	6.316	5.5
95	MP2B	Z	-3.646	5.5
96	MP2B	Mx	.004	5.5
97	MP2C	X	8.619	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP2C	Z	-4.976	.5
99	MP2C	Mx	-.002	.5
100	MP2C	X	8.619	5.5
101	MP2C	Z	-4.976	5.5
102	MP2C	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.95	4.5
2	MP3A	Z	0	4.5
3	MP3A	Mx	-.000411	4.5
4	MP3B	X	.694	4.5
5	MP3B	Z	0	4.5
6	MP3B	Mx	.000326	4.5
7	MP3C	X	2.393	4.5
8	MP3C	Z	0	4.5
9	MP3C	Mx	0	4.5
10	MP3A	X	3.435	.5
11	MP3A	Z	0	.5
12	MP3A	Mx	-.001	.5
13	MP3A	X	3.435	2.5
14	MP3A	Z	0	2.5
15	MP3A	Mx	-.001	2.5
16	MP3B	X	2.923	.5
17	MP3B	Z	0	.5
18	MP3B	Mx	.001	.5
19	MP3B	X	2.923	2.5
20	MP3B	Z	0	2.5
21	MP3B	Mx	.001	2.5
22	MP3C	X	6.319	.5
23	MP3C	Z	0	.5
24	MP3C	Mx	0	.5
25	MP3C	X	6.319	2.5
26	MP3C	Z	0	2.5
27	MP3C	Mx	0	2.5
28	MP2A	X	3.778	2.5
29	MP2A	Z	0	2.5
30	MP2A	Mx	.002	2.5
31	MP2B	X	3.556	2.5
32	MP2B	Z	0	2.5
33	MP2B	Mx	-.002	2.5
34	MP2C	X	5.028	2.5
35	MP2C	Z	0	2.5
36	MP2C	Mx	0	2.5
37	MP1A	X	3.299	2.5
38	MP1A	Z	0	2.5
39	MP1A	Mx	.001	2.5
40	MP1B	X	2.992	2.5
41	MP1B	Z	0	2.5
42	MP1B	Mx	-.001	2.5
43	MP1C	X	5.028	2.5
44	MP1C	Z	0	2.5
45	MP1C	Mx	0	2.5
46	M104	X	7.148	1.5
47	M104	Z	0	1.5
48	M104	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	.406	4.5
2	MP3A	Z	.235	4.5
3	MP3A	Mx	-.000235	4.5
4	MP3B	X	1.384	4.5
5	MP3B	Z	.799	4.5
6	MP3B	Mx	.000514	4.5
7	MP3C	X	1.656	4.5
8	MP3C	Z	.956	4.5
9	MP3C	Mx	.000478	4.5
10	MP3A	X	2.142	.5
11	MP3A	Z	1.237	.5
12	MP3A	Mx	-.001	.5
13	MP3A	X	2.142	2.5
14	MP3A	Z	1.237	2.5
15	MP3A	Mx	-.001	2.5
16	MP3B	X	4.096	.5
17	MP3B	Z	2.365	.5
18	MP3B	Mx	.002	.5
19	MP3B	X	4.096	2.5
20	MP3B	Z	2.365	2.5
21	MP3B	Mx	.002	2.5
22	MP3C	X	4.64	.5
23	MP3C	Z	2.679	.5
24	MP3C	Mx	.001	.5
25	MP3C	X	4.64	2.5
26	MP3C	Z	2.679	2.5
27	MP3C	Mx	.001	2.5
28	MP2A	X	2.911	2.5
29	MP2A	Z	1.68	2.5
30	MP2A	Mx	.002	2.5
31	MP2B	X	3.758	2.5
32	MP2B	Z	2.17	2.5
33	MP2B	Mx	-.001	2.5
34	MP2C	X	3.993	2.5
35	MP2C	Z	2.306	2.5
36	MP2C	Mx	-.001	2.5
37	MP1A	X	2.358	2.5
38	MP1A	Z	1.361	2.5
39	MP1A	Mx	.001	2.5
40	MP1B	X	3.529	2.5
41	MP1B	Z	2.038	2.5
42	MP1B	Mx	-.001	2.5
43	MP1C	X	3.855	2.5
44	MP1C	Z	2.226	2.5
45	MP1C	Mx	-.001	2.5
46	M104	X	7.592	1.5
47	M104	Z	4.383	1.5
48	M104	Mx	0	1.5
49	MP1A	X	6.283	.5
50	MP1A	Z	3.627	.5
51	MP1A	Mx	-.004	.5
52	MP1A	X	6.283	5.5
53	MP1A	Z	3.627	5.5
54	MP1A	Mx	-.004	5.5
55	MP1B	X	8.171	.5
56	MP1B	Z	4.718	.5
57	MP1B	Mx	-.001	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	8.171	5.5
59	MP1B	Z	4.718	5.5
60	MP1B	Mx	-.001	5.5
61	MP1C	X	8.696	.5
62	MP1C	Z	5.021	.5
63	MP1C	Mx	.008	.5
64	MP1C	X	8.696	5.5
65	MP1C	Z	5.021	5.5
66	MP1C	Mx	.008	5.5
67	MP1A	X	6.283	.5
68	MP1A	Z	3.627	.5
69	MP1A	Mx	-.004	.5
70	MP1A	X	6.283	5.5
71	MP1A	Z	3.627	5.5
72	MP1A	Mx	-.004	5.5
73	MP1B	X	8.171	.5
74	MP1B	Z	4.718	.5
75	MP1B	Mx	.007	.5
76	MP1B	X	8.171	5.5
77	MP1B	Z	4.718	5.5
78	MP1B	Mx	.007	5.5
79	MP1C	X	8.696	.5
80	MP1C	Z	5.021	.5
81	MP1C	Mx	-.003	.5
82	MP1C	X	8.696	5.5
83	MP1C	Z	5.021	5.5
84	MP1C	Mx	-.003	5.5
85	MP2A	X	6.219	.5
86	MP2A	Z	3.591	.5
87	MP2A	Mx	-.004	.5
88	MP2A	X	6.219	5.5
89	MP2A	Z	3.591	5.5
90	MP2A	Mx	-.004	5.5
91	MP2B	X	8.097	.5
92	MP2B	Z	4.675	.5
93	MP2B	Mx	.003	.5
94	MP2B	X	8.097	5.5
95	MP2B	Z	4.675	5.5
96	MP2B	Mx	.003	5.5
97	MP2C	X	8.619	.5
98	MP2C	Z	4.976	.5
99	MP2C	Mx	.002	.5
100	MP2C	X	8.619	5.5
101	MP2C	Z	4.976	5.5
102	MP2C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.475	4.5
2	MP3A	Z	.823	4.5
3	MP3A	Mx	-.000411	4.5
4	MP3B	X	1.167	4.5
5	MP3B	Z	2.022	4.5
6	MP3B	Mx	.000203	4.5
7	MP3C	X	.475	4.5
8	MP3C	Z	.823	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3C	Mx	.000412	4.5
10	MP3A	X	1.717	.5
11	MP3A	Z	2.975	.5
12	MP3A	Mx	-.001	.5
13	MP3A	X	1.717	2.5
14	MP3A	Z	2.975	2.5
15	MP3A	Mx	-.001	2.5
16	MP3B	X	3.101	.5
17	MP3B	Z	5.372	.5
18	MP3B	Mx	.000538	.5
19	MP3B	X	3.101	2.5
20	MP3B	Z	5.372	2.5
21	MP3B	Mx	.000538	2.5
22	MP3C	X	1.717	.5
23	MP3C	Z	2.975	.5
24	MP3C	Mx	.001	.5
25	MP3C	X	1.717	2.5
26	MP3C	Z	2.975	2.5
27	MP3C	Mx	.001	2.5
28	MP2A	X	1.889	2.5
29	MP2A	Z	3.272	2.5
30	MP2A	Mx	.002	2.5
31	MP2B	X	2.489	2.5
32	MP2B	Z	4.311	2.5
33	MP2B	Mx	-.000432	2.5
34	MP2C	X	1.889	2.5
35	MP2C	Z	3.272	2.5
36	MP2C	Mx	-.002	2.5
37	MP1A	X	1.649	2.5
38	MP1A	Z	2.857	2.5
39	MP1A	Mx	.001	2.5
40	MP1B	X	2.479	2.5
41	MP1B	Z	4.294	2.5
42	MP1B	Mx	-.00043	2.5
43	MP1C	X	1.649	2.5
44	MP1C	Z	2.857	2.5
45	MP1C	Mx	-.001	2.5
46	M104	X	5.043	1.5
47	M104	Z	8.735	1.5
48	M104	Mx	0	1.5
49	MP1A	X	4.092	.5
50	MP1A	Z	7.087	.5
51	MP1A	Mx	-.001	.5
52	MP1A	X	4.092	5.5
53	MP1A	Z	7.087	5.5
54	MP1A	Mx	-.001	5.5
55	MP1B	X	5.429	.5
56	MP1B	Z	9.403	.5
57	MP1B	Mx	-.005	.5
58	MP1B	X	5.429	5.5
59	MP1B	Z	9.403	5.5
60	MP1B	Mx	-.005	5.5
61	MP1C	X	4.092	.5
62	MP1C	Z	7.087	.5
63	MP1C	Mx	.006	.5
64	MP1C	X	4.092	5.5
65	MP1C	Z	7.087	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
66	MP1C	Mx	.006	5.5
67	MP1A	X	4.092	.5
68	MP1A	Z	7.087	.5
69	MP1A	Mx	-.006	.5
70	MP1A	X	4.092	5.5
71	MP1A	Z	7.087	5.5
72	MP1A	Mx	-.006	5.5
73	MP1B	X	5.429	.5
74	MP1B	Z	9.403	.5
75	MP1B	Mx	.007	.5
76	MP1B	X	5.429	5.5
77	MP1B	Z	9.403	5.5
78	MP1B	Mx	.007	5.5
79	MP1C	X	4.092	.5
80	MP1C	Z	7.087	.5
81	MP1C	Mx	.001	.5
82	MP1C	X	4.092	5.5
83	MP1C	Z	7.087	5.5
84	MP1C	Mx	.001	5.5
85	MP2A	X	4.052	.5
86	MP2A	Z	7.019	.5
87	MP2A	Mx	-.004	.5
88	MP2A	X	4.052	5.5
89	MP2A	Z	7.019	5.5
90	MP2A	Mx	-.004	5.5
91	MP2B	X	5.382	.5
92	MP2B	Z	9.322	.5
93	MP2B	Mx	.000935	.5
94	MP2B	X	5.382	5.5
95	MP2B	Z	9.322	5.5
96	MP2B	Mx	.000935	5.5
97	MP2C	X	4.052	.5
98	MP2C	Z	7.019	.5
99	MP2C	Mx	.004	.5
100	MP2C	X	4.052	5.5
101	MP2C	Z	7.019	5.5
102	MP2C	Mx	.004	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	0	4.5
2	MP3A	Z	1.912	4.5
3	MP3A	Mx	-.000478	4.5
4	MP3B	X	0	4.5
5	MP3B	Z	2.168	4.5
6	MP3B	Mx	-.000371	4.5
7	MP3C	X	0	4.5
8	MP3C	Z	.469	4.5
9	MP3C	Mx	.000234	4.5
10	MP3A	X	0	.5
11	MP3A	Z	5.357	.5
12	MP3A	Mx	-.001	.5
13	MP3A	X	0	2.5
14	MP3A	Z	5.357	2.5
15	MP3A	Mx	-.001	2.5
16	MP3B	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
17	MP3B	Z	5.869	.5
18	MP3B	Mx	-.001	.5
19	MP3B	X	0	2.5
20	MP3B	Z	5.869	2.5
21	MP3B	Mx	-.001	2.5
22	MP3C	X	0	.5
23	MP3C	Z	2.474	.5
24	MP3C	Mx	.001	.5
25	MP3C	X	0	2.5
26	MP3C	Z	2.474	2.5
27	MP3C	Mx	.001	2.5
28	MP2A	X	0	2.5
29	MP2A	Z	4.611	2.5
30	MP2A	Mx	.001	2.5
31	MP2B	X	0	2.5
32	MP2B	Z	4.833	2.5
33	MP2B	Mx	.000826	2.5
34	MP2C	X	0	2.5
35	MP2C	Z	3.361	2.5
36	MP2C	Mx	-.002	2.5
37	MP1A	X	0	2.5
38	MP1A	Z	4.452	2.5
39	MP1A	Mx	.001	2.5
40	MP1B	X	0	2.5
41	MP1B	Z	4.758	2.5
42	MP1B	Mx	.000814	2.5
43	MP1C	X	0	2.5
44	MP1C	Z	2.722	2.5
45	MP1C	Mx	-.001	2.5
46	M104	X	0	1.5
47	M104	Z	9.787	1.5
48	M104	Mx	0	1.5
49	MP1A	X	0	.5
50	MP1A	Z	10.041	.5
51	MP1A	Mx	.003	.5
52	MP1A	X	0	5.5
53	MP1A	Z	10.041	5.5
54	MP1A	Mx	.003	5.5
55	MP1B	X	0	.5
56	MP1B	Z	10.536	.5
57	MP1B	Mx	-.008	.5
58	MP1B	X	0	5.5
59	MP1B	Z	10.536	5.5
60	MP1B	Mx	-.008	5.5
61	MP1C	X	0	.5
62	MP1C	Z	7.255	.5
63	MP1C	Mx	.004	.5
64	MP1C	X	0	5.5
65	MP1C	Z	7.255	5.5
66	MP1C	Mx	.004	5.5
67	MP1A	X	0	.5
68	MP1A	Z	10.041	.5
69	MP1A	Mx	-.008	.5
70	MP1A	X	0	5.5
71	MP1A	Z	10.041	5.5
72	MP1A	Mx	-.008	5.5
73	MP1B	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1B	Z	10.536	.5
75	MP1B	Mx	.004	.5
76	MP1B	X	0	5.5
77	MP1B	Z	10.536	5.5
78	MP1B	Mx	.004	5.5
79	MP1C	X	0	.5
80	MP1C	Z	7.255	.5
81	MP1C	Mx	.004	.5
82	MP1C	X	0	5.5
83	MP1C	Z	7.255	5.5
84	MP1C	Mx	.004	5.5
85	MP2A	X	0	.5
86	MP2A	Z	9.952	.5
87	MP2A	Mx	-.002	.5
88	MP2A	X	0	5.5
89	MP2A	Z	9.952	5.5
90	MP2A	Mx	-.002	5.5
91	MP2B	X	0	.5
92	MP2B	Z	10.444	.5
93	MP2B	Mx	-.002	.5
94	MP2B	X	0	5.5
95	MP2B	Z	10.444	5.5
96	MP2B	Mx	-.002	5.5
97	MP2C	X	0	.5
98	MP2C	Z	7.181	.5
99	MP2C	Mx	.004	.5
100	MP2C	X	0	5.5
101	MP2C	Z	7.181	5.5
102	MP2C	Mx	.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.197	4.5
2	MP3A	Z	2.072	4.5
3	MP3A	Mx	0	4.5
4	MP3B	X	-.632	4.5
5	MP3B	Z	1.095	4.5
6	MP3B	Mx	-.000484	4.5
7	MP3C	X	-.475	4.5
8	MP3C	Z	.823	4.5
9	MP3C	Mx	.000412	4.5
10	MP3A	X	-3.159	.5
11	MP3A	Z	5.472	.5
12	MP3A	Mx	0	.5
13	MP3A	X	-3.159	2.5
14	MP3A	Z	5.472	2.5
15	MP3A	Mx	0	2.5
16	MP3B	X	-2.031	.5
17	MP3B	Z	3.518	.5
18	MP3B	Mx	-.002	.5
19	MP3B	X	-2.031	2.5
20	MP3B	Z	3.518	2.5
21	MP3B	Mx	-.002	2.5
22	MP3C	X	-1.717	.5
23	MP3C	Z	2.975	.5
24	MP3C	Mx	.001	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3C	X	-1.717	2.5
26	MP3C	Z	2.975	2.5
27	MP3C	Mx	.001	2.5
28	MP2A	X	-2.514	2.5
29	MP2A	Z	4.354	2.5
30	MP2A	Mx	0	2.5
31	MP2B	X	-2.025	2.5
32	MP2B	Z	3.507	2.5
33	MP2B	Mx	.002	2.5
34	MP2C	X	-1.889	2.5
35	MP2C	Z	3.272	2.5
36	MP2C	Mx	-.002	2.5
37	MP1A	X	-2.514	2.5
38	MP1A	Z	4.354	2.5
39	MP1A	Mx	0	2.5
40	MP1B	X	-1.838	2.5
41	MP1B	Z	3.183	2.5
42	MP1B	Mx	.001	2.5
43	MP1C	X	-1.649	2.5
44	MP1C	Z	2.857	2.5
45	MP1C	Mx	-.001	2.5
46	M104	X	-4.084	1.5
47	M104	Z	7.074	1.5
48	M104	Mx	0	1.5
49	MP1A	X	-5.485	.5
50	MP1A	Z	9.5	.5
51	MP1A	Mx	.006	.5
52	MP1A	X	-5.485	5.5
53	MP1A	Z	9.5	5.5
54	MP1A	Mx	.006	5.5
55	MP1B	X	-4.395	.5
56	MP1B	Z	7.612	.5
57	MP1B	Mx	-.007	.5
58	MP1B	X	-4.395	5.5
59	MP1B	Z	7.612	5.5
60	MP1B	Mx	-.007	5.5
61	MP1C	X	-4.092	.5
62	MP1C	Z	7.087	.5
63	MP1C	Mx	.001	.5
64	MP1C	X	-4.092	5.5
65	MP1C	Z	7.087	5.5
66	MP1C	Mx	.001	5.5
67	MP1A	X	-5.485	.5
68	MP1A	Z	9.5	.5
69	MP1A	Mx	-.006	.5
70	MP1A	X	-5.485	5.5
71	MP1A	Z	9.5	5.5
72	MP1A	Mx	-.006	5.5
73	MP1B	X	-4.395	.5
74	MP1B	Z	7.612	.5
75	MP1B	Mx	-7.1e-5	.5
76	MP1B	X	-4.395	5.5
77	MP1B	Z	7.612	5.5
78	MP1B	Mx	-7.1e-5	5.5
79	MP1C	X	-4.092	.5
80	MP1C	Z	7.087	.5
81	MP1C	Mx	.006	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%,]
82	MP1C	X	-4.092	5.5
83	MP1C	Z	7.087	5.5
84	MP1C	Mx	.006	5.5
85	MP2A	X	-5.438	.5
86	MP2A	Z	9.419	.5
87	MP2A	Mx	0	.5
88	MP2A	X	-5.438	5.5
89	MP2A	Z	9.419	5.5
90	MP2A	Mx	0	5.5
91	MP2B	X	-4.354	.5
92	MP2B	Z	7.541	.5
93	MP2B	Mx	-.003	.5
94	MP2B	X	-4.354	5.5
95	MP2B	Z	7.541	5.5
96	MP2B	Mx	-.003	5.5
97	MP2C	X	-4.052	.5
98	MP2C	Z	7.019	.5
99	MP2C	Mx	.004	.5
100	MP2C	X	-4.052	5.5
101	MP2C	Z	7.019	5.5
102	MP2C	Mx	.004	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%,]
1	MP3A	X	-1.656	4.5
2	MP3A	Z	.956	4.5
3	MP3A	Mx	.000478	4.5
4	MP3B	X	-.457	4.5
5	MP3B	Z	.264	4.5
6	MP3B	Mx	-.00026	4.5
7	MP3C	X	-1.656	4.5
8	MP3C	Z	.956	4.5
9	MP3C	Mx	.000478	4.5
10	MP3A	X	-4.64	.5
11	MP3A	Z	2.679	.5
12	MP3A	Mx	.001	.5
13	MP3A	X	-4.64	2.5
14	MP3A	Z	2.679	2.5
15	MP3A	Mx	.001	2.5
16	MP3B	X	-2.243	.5
17	MP3B	Z	1.295	.5
18	MP3B	Mx	-.001	.5
19	MP3B	X	-2.243	2.5
20	MP3B	Z	1.295	2.5
21	MP3B	Mx	-.001	2.5
22	MP3C	X	-4.64	.5
23	MP3C	Z	2.679	.5
24	MP3C	Mx	.001	.5
25	MP3C	X	-4.64	2.5
26	MP3C	Z	2.679	2.5
27	MP3C	Mx	.001	2.5
28	MP2A	X	-3.993	2.5
29	MP2A	Z	2.306	2.5
30	MP2A	Mx	-.001	2.5
31	MP2B	X	-2.954	2.5
32	MP2B	Z	1.706	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
33	MP2B	Mx	.002	2.5
34	MP2C	X	-3.993	2.5
35	MP2C	Z	2.306	2.5
36	MP2C	Mx	-.001	2.5
37	MP1A	X	-3.855	2.5
38	MP1A	Z	2.226	2.5
39	MP1A	Mx	-.001	2.5
40	MP1B	X	-2.418	2.5
41	MP1B	Z	1.396	2.5
42	MP1B	Mx	.001	2.5
43	MP1C	X	-3.855	2.5
44	MP1C	Z	2.226	2.5
45	MP1C	Mx	-.001	2.5
46	M104	X	-5.932	1.5
47	M104	Z	3.425	1.5
48	M104	Mx	0	1.5
49	MP1A	X	-8.696	.5
50	MP1A	Z	5.021	.5
51	MP1A	Mx	.008	.5
52	MP1A	X	-8.696	5.5
53	MP1A	Z	5.021	5.5
54	MP1A	Mx	.008	5.5
55	MP1B	X	-6.38	.5
56	MP1B	Z	3.683	.5
57	MP1B	Mx	-.004	.5
58	MP1B	X	-6.38	5.5
59	MP1B	Z	3.683	5.5
60	MP1B	Mx	-.004	5.5
61	MP1C	X	-8.696	.5
62	MP1C	Z	5.021	.5
63	MP1C	Mx	-.003	.5
64	MP1C	X	-8.696	5.5
65	MP1C	Z	5.021	5.5
66	MP1C	Mx	-.003	5.5
67	MP1A	X	-8.696	.5
68	MP1A	Z	5.021	.5
69	MP1A	Mx	-.003	.5
70	MP1A	X	-8.696	5.5
71	MP1A	Z	5.021	5.5
72	MP1A	Mx	-.003	5.5
73	MP1B	X	-6.38	.5
74	MP1B	Z	3.683	.5
75	MP1B	Mx	-.003	.5
76	MP1B	X	-6.38	5.5
77	MP1B	Z	3.683	5.5
78	MP1B	Mx	-.003	5.5
79	MP1C	X	-8.696	.5
80	MP1C	Z	5.021	.5
81	MP1C	Mx	.008	.5
82	MP1C	X	-8.696	5.5
83	MP1C	Z	5.021	5.5
84	MP1C	Mx	.008	5.5
85	MP2A	X	-8.619	.5
86	MP2A	Z	4.976	.5
87	MP2A	Mx	.002	.5
88	MP2A	X	-8.619	5.5
89	MP2A	Z	4.976	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP2A	Mx	.002	5.5
91	MP2B	X	-6.316	.5
92	MP2B	Z	3.646	.5
93	MP2B	Mx	-.004	.5
94	MP2B	X	-6.316	5.5
95	MP2B	Z	3.646	5.5
96	MP2B	Mx	-.004	5.5
97	MP2C	X	-8.619	.5
98	MP2C	Z	4.976	.5
99	MP2C	Mx	.002	.5
100	MP2C	X	-8.619	5.5
101	MP2C	Z	4.976	5.5
102	MP2C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.95	4.5
2	MP3A	Z	0	4.5
3	MP3A	Mx	.000411	4.5
4	MP3B	X	-.694	4.5
5	MP3B	Z	0	4.5
6	MP3B	Mx	-.000326	4.5
7	MP3C	X	-2.393	4.5
8	MP3C	Z	0	4.5
9	MP3C	Mx	0	4.5
10	MP3A	X	-3.435	.5
11	MP3A	Z	0	.5
12	MP3A	Mx	.001	.5
13	MP3A	X	-3.435	2.5
14	MP3A	Z	0	2.5
15	MP3A	Mx	.001	2.5
16	MP3B	X	-2.923	.5
17	MP3B	Z	0	.5
18	MP3B	Mx	-.001	.5
19	MP3B	X	-2.923	2.5
20	MP3B	Z	0	2.5
21	MP3B	Mx	-.001	2.5
22	MP3C	X	-6.319	.5
23	MP3C	Z	0	.5
24	MP3C	Mx	0	.5
25	MP3C	X	-6.319	2.5
26	MP3C	Z	0	2.5
27	MP3C	Mx	0	2.5
28	MP2A	X	-3.778	2.5
29	MP2A	Z	0	2.5
30	MP2A	Mx	-.002	2.5
31	MP2B	X	-3.556	2.5
32	MP2B	Z	0	2.5
33	MP2B	Mx	.002	2.5
34	MP2C	X	-5.028	2.5
35	MP2C	Z	0	2.5
36	MP2C	Mx	0	2.5
37	MP1A	X	-3.299	2.5
38	MP1A	Z	0	2.5
39	MP1A	Mx	-.001	2.5
40	MP1B	X	-2.992	2.5

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

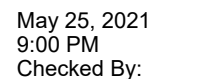
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
41	MP1B	Z	0	2.5
42	MP1B	Mx	.001	2.5
43	MP1C	X	-5.028	2.5
44	MP1C	Z	0	2.5
45	MP1C	Mx	0	2.5
46	M104	X	-7.148	1.5
47	M104	Z	0	1.5
48	M104	Mx	0	1.5
49	MP1A	X	-8.184	.5
50	MP1A	Z	0	.5
51	MP1A	Mx	.006	.5
52	MP1A	X	-8.184	5.5
53	MP1A	Z	0	5.5
54	MP1A	Mx	.006	5.5
55	MP1B	X	-7.689	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	-.002	.5
58	MP1B	X	-7.689	5.5
59	MP1B	Z	0	5.5
60	MP1B	Mx	-.002	5.5
61	MP1C	X	-10.97	.5
62	MP1C	Z	0	.5
63	MP1C	Mx	-.006	.5
64	MP1C	X	-10.97	5.5
65	MP1C	Z	0	5.5
66	MP1C	Mx	-.006	5.5
67	MP1A	X	-8.184	.5
68	MP1A	Z	0	.5
69	MP1A	Mx	.001	.5
70	MP1A	X	-8.184	5.5
71	MP1A	Z	0	5.5
72	MP1A	Mx	.001	5.5
73	MP1B	X	-7.689	.5
74	MP1B	Z	0	.5
75	MP1B	Mx	-.005	.5
76	MP1B	X	-7.689	5.5
77	MP1B	Z	0	5.5
78	MP1B	Mx	-.005	5.5
79	MP1C	X	-10.97	.5
80	MP1C	Z	0	.5
81	MP1C	Mx	.006	.5
82	MP1C	X	-10.97	5.5
83	MP1C	Z	0	5.5
84	MP1C	Mx	.006	5.5
85	MP2A	X	-8.105	.5
86	MP2A	Z	0	.5
87	MP2A	Mx	.004	.5
88	MP2A	X	-8.105	5.5
89	MP2A	Z	0	5.5
90	MP2A	Mx	.004	5.5
91	MP2B	X	-7.613	.5
92	MP2B	Z	0	.5
93	MP2B	Mx	-.004	.5
94	MP2B	X	-7.613	5.5
95	MP2B	Z	0	5.5
96	MP2B	Mx	-.004	5.5
97	MP2C	X	-10.876	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP2C	Z	0	.5
99	MP2C	Mx	0	.5
100	MP2C	X	-10.876	5.5
101	MP2C	Z	0	5.5
102	MP2C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.406	4.5
2	MP3A	Z	-.235	4.5
3	MP3A	Mx	.000235	4.5
4	MP3B	X	-1.384	4.5
5	MP3B	Z	-.799	4.5
6	MP3B	Mx	-.000514	4.5
7	MP3C	X	-1.656	4.5
8	MP3C	Z	-.956	4.5
9	MP3C	Mx	-.000478	4.5
10	MP3A	X	-2.142	.5
11	MP3A	Z	-1.237	.5
12	MP3A	Mx	.001	.5
13	MP3A	X	-2.142	2.5
14	MP3A	Z	-1.237	2.5
15	MP3A	Mx	.001	2.5
16	MP3B	X	-4.096	.5
17	MP3B	Z	-2.365	.5
18	MP3B	Mx	-.002	.5
19	MP3B	X	-4.096	2.5
20	MP3B	Z	-2.365	2.5
21	MP3B	Mx	-.002	2.5
22	MP3C	X	-4.64	.5
23	MP3C	Z	-2.679	.5
24	MP3C	Mx	-.001	.5
25	MP3C	X	-4.64	2.5
26	MP3C	Z	-2.679	2.5
27	MP3C	Mx	-.001	2.5
28	MP2A	X	-2.911	2.5
29	MP2A	Z	-1.68	2.5
30	MP2A	Mx	-.002	2.5
31	MP2B	X	-3.758	2.5
32	MP2B	Z	-2.17	2.5
33	MP2B	Mx	.001	2.5
34	MP2C	X	-3.993	2.5
35	MP2C	Z	-2.306	2.5
36	MP2C	Mx	.001	2.5
37	MP1A	X	-2.358	2.5
38	MP1A	Z	-1.361	2.5
39	MP1A	Mx	-.001	2.5
40	MP1B	X	-3.529	2.5
41	MP1B	Z	-2.038	2.5
42	MP1B	Mx	.001	2.5
43	MP1C	X	-3.855	2.5
44	MP1C	Z	-2.226	2.5
45	MP1C	Mx	.001	2.5
46	M104	X	-7.592	1.5
47	M104	Z	-4.383	1.5
48	M104	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP3A	X	-475	4.5
2	MP3A	Z	-823	4.5
3	MP3A	Mx	.000411	4.5
4	MP3B	X	-1.167	4.5
5	MP3B	Z	-2.022	4.5
6	MP3B	Mx	-.000203	4.5
7	MP3C	X	-475	4.5
8	MP3C	Z	-823	4.5
9	MP3C	Mx	-.000412	4.5
10	MP3A	X	-1.717	.5
11	MP3A	Z	-2.975	.5
12	MP3A	Mx	.001	.5
13	MP3A	X	-1.717	2.5
14	MP3A	Z	-2.975	2.5
15	MP3A	Mx	.001	2.5
16	MP3B	X	-3.101	.5
17	MP3B	Z	-5.372	.5
18	MP3B	Mx	-.000538	.5
19	MP3B	X	-3.101	2.5
20	MP3B	Z	-5.372	2.5
21	MP3B	Mx	-.000538	2.5
22	MP3C	X	-1.717	.5
23	MP3C	Z	-2.975	.5
24	MP3C	Mx	-.001	.5
25	MP3C	X	-1.717	2.5
26	MP3C	Z	-2.975	2.5
27	MP3C	Mx	-.001	2.5
28	MP2A	X	-1.889	2.5
29	MP2A	Z	-3.272	2.5
30	MP2A	Mx	-.002	2.5
31	MP2B	X	-2.489	2.5
32	MP2B	Z	-4.311	2.5
33	MP2B	Mx	.000432	2.5
34	MP2C	X	-1.889	2.5
35	MP2C	Z	-3.272	2.5
36	MP2C	Mx	.002	2.5
37	MP1A	X	-1.649	2.5
38	MP1A	Z	-2.857	2.5
39	MP1A	Mx	-.001	2.5
40	MP1B	X	-2.479	2.5
41	MP1B	Z	-4.294	2.5
42	MP1B	Mx	.00043	2.5
43	MP1C	X	-1.649	2.5
44	MP1C	Z	-2.857	2.5
45	MP1C	Mx	.001	2.5
46	M104	X	-5.043	1.5
47	M104	Z	-8.735	1.5
48	M104	Mx	0	1.5
49	MP1A	X	-4.092	.5
50	MP1A	Z	-7.087	.5
51	MP1A	Mx	.001	.5
52	MP1A	X	-4.092	5.5
53	MP1A	Z	-7.087	5.5
54	MP1A	Mx	.001	5.5
55	MP1B	X	-5.429	.5
56	MP1B	Z	-9.403	.5
57	MP1B	Mx	.005	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
58	MP1B	X	-5.429	5.5
59	MP1B	Z	-9.403	5.5
60	MP1B	Mx	.005	5.5
61	MP1C	X	-4.092	.5
62	MP1C	Z	-7.087	.5
63	MP1C	Mx	-.006	.5
64	MP1C	X	-4.092	5.5
65	MP1C	Z	-7.087	5.5
66	MP1C	Mx	-.006	5.5
67	MP1A	X	-4.092	.5
68	MP1A	Z	-7.087	.5
69	MP1A	Mx	.006	.5
70	MP1A	X	-4.092	5.5
71	MP1A	Z	-7.087	5.5
72	MP1A	Mx	.006	5.5
73	MP1B	X	-5.429	.5
74	MP1B	Z	-9.403	.5
75	MP1B	Mx	-.007	.5
76	MP1B	X	-5.429	5.5
77	MP1B	Z	-9.403	5.5
78	MP1B	Mx	-.007	5.5
79	MP1C	X	-4.092	.5
80	MP1C	Z	-7.087	.5
81	MP1C	Mx	-.001	.5
82	MP1C	X	-4.092	5.5
83	MP1C	Z	-7.087	5.5
84	MP1C	Mx	-.001	5.5
85	MP2A	X	-4.052	.5
86	MP2A	Z	-7.019	.5
87	MP2A	Mx	.004	.5
88	MP2A	X	-4.052	5.5
89	MP2A	Z	-7.019	5.5
90	MP2A	Mx	.004	5.5
91	MP2B	X	-5.382	.5
92	MP2B	Z	-9.322	.5
93	MP2B	Mx	-.000935	.5
94	MP2B	X	-5.382	5.5
95	MP2B	Z	-9.322	5.5
96	MP2B	Mx	-.000935	5.5
97	MP2C	X	-4.052	.5
98	MP2C	Z	-7.019	.5
99	MP2C	Mx	-.004	.5
100	MP2C	X	-4.052	5.5
101	MP2C	Z	-7.019	5.5
102	MP2C	Mx	-.004	5.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M73	Y	-500	%93

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M73	Y	-500	%50

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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Member Point Loads (BLC 79 : Lv1) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,F...]	Start Location[ft,%]	End Location[ft,%]
1	M4	Y	-15.77	-15.77	0	%100
2	M10	Y	-12.756	-12.756	0	%100
3	M43	Y	-12.756	-12.756	0	%100
4	M46	Y	-16.545	-16.545	0	%100
5	M51B	Y	-9.743	-9.743	0	%100
6	M52B	Y	-9.743	-9.743	0	%100
7	M76	Y	-16.526	-16.526	0	%100
8	M77	Y	-16.526	-16.526	0	%100
9	M80	Y	-16.545	-16.545	0	%100
10	M84	Y	-16.526	-16.526	0	%100
11	M85	Y	-16.526	-16.526	0	%100
12	M91	Y	-16.545	-16.545	0	%100
13	M25	Y	-15.77	-15.77	0	%100
14	M26	Y	-12.756	-12.756	0	%100
15	M27	Y	-12.756	-12.756	0	%100
16	M28	Y	-16.545	-16.545	0	%100
17	M31	Y	-9.743	-9.743	0	%100
18	M32	Y	-9.743	-9.743	0	%100
19	M36	Y	-16.526	-16.526	0	%100
20	M37	Y	-16.526	-16.526	0	%100
21	M39	Y	-16.545	-16.545	0	%100
22	M41	Y	-16.526	-16.526	0	%100
23	M42	Y	-16.526	-16.526	0	%100
24	M44	Y	-16.545	-16.545	0	%100
25	M49	Y	-15.77	-15.77	0	%100
26	M50A	Y	-12.756	-12.756	0	%100
27	M51C	Y	-12.756	-12.756	0	%100
28	M52A	Y	-16.545	-16.545	0	%100
29	M55	Y	-9.743	-9.743	0	%100
30	M56	Y	-9.743	-9.743	0	%100
31	M60	Y	-16.526	-16.526	0	%100
32	M61	Y	-16.526	-16.526	0	%100
33	M63	Y	-16.545	-16.545	0	%100
34	M65	Y	-16.526	-16.526	0	%100
35	M66	Y	-16.526	-16.526	0	%100
36	M68	Y	-16.545	-16.545	0	%100
37	M73	Y	-11.174	-11.174	0	%100
38	M74	Y	-11.174	-11.174	0	%100
39	M75	Y	-11.174	-11.174	0	%100
40	M76A	Y	-10.538	-10.538	0	%100
41	M77A	Y	-10.538	-10.538	0	%100
42	M78	Y	-10.538	-10.538	0	%100
43	MP1A	Y	-8.777	-8.777	0	%100
44	MP2A	Y	-8.777	-8.777	0	%100
45	MP3A	Y	-8.777	-8.777	0	%100
46	MP4A	Y	-8.777	-8.777	0	%100
47	MP1C	Y	-8.777	-8.777	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
48	MP2C	Y	-8.777	-8.777	0	%100
49	MP3C	Y	-8.777	-8.777	0	%100
50	MP4C	Y	-8.777	-8.777	0	%100
51	MP1B	Y	-8.777	-8.777	0	%100
52	MP2B	Y	-8.777	-8.777	0	%100
53	MP3B	Y	-8.777	-8.777	0	%100
54	MP4B	Y	-8.777	-8.777	0	%100
55	M104	Y	-8.777	-8.777	0	%100
56	M105	Y	-9.842	-9.842	0	%100
57	M106	Y	-9.842	-9.842	0	%100
58	M107	Y	-9.842	-9.842	0	%100
59	M114	Y	-12.756	-12.756	0	%100
60	M115	Y	-12.756	-12.756	0	%100
61	M116	Y	-12.756	-12.756	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-15.426	-15.426	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-15.426	-15.426	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-24.959	-24.959	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-3.465	-3.465	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-3.465	-3.465	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-6.355	-6.355	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-6.694	-6.694	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-6.355	-6.355	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-6.694	-6.694	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-11.091	-11.091	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-3.857	-3.857	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-3.857	-3.857	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-6.24	-6.24	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-3.465	-3.465	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-13.859	-13.859	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-18.719	-18.719	0	%100
39	M37	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
40	M37	Z	-6.355	-6.355	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-6.694	-6.694	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-18.719	-18.719	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-25.421	-25.421	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-26.776	-26.776	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-11.091	-11.091	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-3.857	-3.857	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-3.857	-3.857	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-6.24	-6.24	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-13.859	-13.859	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-3.465	-3.465	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-18.719	-18.719	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-25.421	-25.421	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-26.776	-26.776	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-18.719	-18.719	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-6.355	-6.355	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-6.694	-6.694	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-14.122	-14.122	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-3.53	-3.53	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-3.53	-3.53	0	%100
79	M76A	X	0	0	0	%100
80	M76A	Z	-13.551	-13.551	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	-13.551	-13.551	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	-4.589	-4.589	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-9.88	-9.88	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	-9.88	-9.88	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	-9.88	-9.88	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	-9.88	-9.88	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-9.88	-9.88	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-9.88	-9.88	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
97	MP3C	X	0	0	0	%100
98	MP3C	Z	-9.88	-9.88	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	-9.88	-9.88	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-9.88	-9.88	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-9.88	-9.88	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	-9.88	-9.88	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	-9.88	-9.88	0	%100
109	M104	X	0	0	0	%100
110	M104	Z	-8.079	-8.079	0	%100
111	M105	X	0	0	0	%100
112	M105	Z	-11.959	-11.959	0	%100
113	M106	X	0	0	0	%100
114	M106	Z	-2.99	-2.99	0	%100
115	M107	X	0	0	0	%100
116	M107	Z	-2.99	-2.99	0	%100
117	M114	X	0	0	0	%100
118	M114	Z	-4.052	-4.052	0	%100
119	M115	X	0	0	0	%100
120	M115	Z	-4.052	-4.052	0	%100
121	M116	X	0	0	0	%100
122	M116	Z	-16.207	-16.207	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M4	X	1.849	1.849	0	%100
2	M4	Z	-3.202	-3.202	0	%100
3	M10	X	5.785	5.785	0	%100
4	M10	Z	-10.019	-10.019	0	%100
5	M43	X	5.785	5.785	0	%100
6	M43	Z	-10.019	-10.019	0	%100
7	M46	X	9.36	9.36	0	%100
8	M46	Z	-16.211	-16.211	0	%100
9	M51B	X	5.197	5.197	0	%100
10	M51B	Z	-9.002	-9.002	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	3.12	3.12	0	%100
14	M76	Z	-5.404	-5.404	0	%100
15	M77	X	9.533	9.533	0	%100
16	M77	Z	-16.512	-16.512	0	%100
17	M80	X	10.041	10.041	0	%100
18	M80	Z	-17.391	-17.391	0	%100
19	M84	X	3.12	3.12	0	%100
20	M84	Z	-5.404	-5.404	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	1.849	1.849	0	%100
26	M25	Z	-3.202	-3.202	0	%100
27	M26	X	5.785	5.785	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
28	M26	Z	-10.019	-10.019	0	%100
29	M27	X	5.785	5.785	0	%100
30	M27	Z	-10.019	-10.019	0	%100
31	M28	X	9.36	9.36	0	%100
32	M28	Z	-16.211	-16.211	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	5.197	5.197	0	%100
36	M32	Z	-9.002	-9.002	0	%100
37	M36	X	3.12	3.12	0	%100
38	M36	Z	-5.404	-5.404	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	3.12	3.12	0	%100
44	M41	Z	-5.404	-5.404	0	%100
45	M42	X	9.533	9.533	0	%100
46	M42	Z	-16.512	-16.512	0	%100
47	M44	X	10.041	10.041	0	%100
48	M44	Z	-17.391	-17.391	0	%100
49	M49	X	7.394	7.394	0	%100
50	M49	Z	-12.807	-12.807	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	5.197	5.197	0	%100
58	M55	Z	-9.002	-9.002	0	%100
59	M56	X	5.197	5.197	0	%100
60	M56	Z	-9.002	-9.002	0	%100
61	M60	X	12.479	12.479	0	%100
62	M60	Z	-21.615	-21.615	0	%100
63	M61	X	9.533	9.533	0	%100
64	M61	Z	-16.512	-16.512	0	%100
65	M63	X	10.041	10.041	0	%100
66	M63	Z	-17.391	-17.391	0	%100
67	M65	X	12.479	12.479	0	%100
68	M65	Z	-21.615	-21.615	0	%100
69	M66	X	9.533	9.533	0	%100
70	M66	Z	-16.512	-16.512	0	%100
71	M68	X	10.041	10.041	0	%100
72	M68	Z	-17.391	-17.391	0	%100
73	M73	X	5.296	5.296	0	%100
74	M73	Z	-9.172	-9.172	0	%100
75	M74	X	5.296	5.296	0	%100
76	M74	Z	-9.172	-9.172	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	M76A	X	3.788	3.788	0	%100
80	M76A	Z	-6.561	-6.561	0	%100
81	M77A	X	8.269	8.269	0	%100
82	M77A	Z	-14.323	-14.323	0	%100
83	M78	X	3.788	3.788	0	%100
84	M78	Z	-6.561	-6.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
85	MP1A	X	4.94	4.94	0	%100
86	MP1A	Z	-8.556	-8.556	0	%100
87	MP2A	X	4.94	4.94	0	%100
88	MP2A	Z	-8.556	-8.556	0	%100
89	MP3A	X	4.94	4.94	0	%100
90	MP3A	Z	-8.556	-8.556	0	%100
91	MP4A	X	4.94	4.94	0	%100
92	MP4A	Z	-8.556	-8.556	0	%100
93	MP1C	X	4.94	4.94	0	%100
94	MP1C	Z	-8.556	-8.556	0	%100
95	MP2C	X	4.94	4.94	0	%100
96	MP2C	Z	-8.556	-8.556	0	%100
97	MP3C	X	4.94	4.94	0	%100
98	MP3C	Z	-8.556	-8.556	0	%100
99	MP4C	X	4.94	4.94	0	%100
100	MP4C	Z	-8.556	-8.556	0	%100
101	MP1B	X	4.94	4.94	0	%100
102	MP1B	Z	-8.556	-8.556	0	%100
103	MP2B	X	4.94	4.94	0	%100
104	MP2B	Z	-8.556	-8.556	0	%100
105	MP3B	X	4.94	4.94	0	%100
106	MP3B	Z	-8.556	-8.556	0	%100
107	MP4B	X	4.94	4.94	0	%100
108	MP4B	Z	-8.556	-8.556	0	%100
109	M104	X	4.039	4.039	0	%100
110	M104	Z	-6.997	-6.997	0	%100
111	M105	X	4.485	4.485	0	%100
112	M105	Z	-7.768	-7.768	0	%100
113	M106	X	4.485	4.485	0	%100
114	M106	Z	-7.768	-7.768	0	%100
115	M107	X	0	0	0	%100
116	M107	Z	0	0	0	%100
117	M114	X	6.078	6.078	0	%100
118	M114	Z	-10.527	-10.527	0	%100
119	M115	X	0	0	0	%100
120	M115	Z	0	0	0	%100
121	M116	X	6.078	6.078	0	%100
122	M116	Z	-10.527	-10.527	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	9.605	9.605	0	%100
2	M4	Z	-5.546	-5.546	0	%100
3	M10	X	3.34	3.34	0	%100
4	M10	Z	-1.928	-1.928	0	%100
5	M43	X	3.34	3.34	0	%100
6	M43	Z	-1.928	-1.928	0	%100
7	M46	X	5.404	5.404	0	%100
8	M46	Z	-3.12	-3.12	0	%100
9	M51B	X	12.002	12.002	0	%100
10	M51B	Z	-6.93	-6.93	0	%100
11	M52B	X	3.001	3.001	0	%100
12	M52B	Z	-1.732	-1.732	0	%100
13	M76	X	16.211	16.211	0	%100
14	M76	Z	-9.36	-9.36	0	%100
15	M77	X	22.015	22.015	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft. %]	End Location[ft. %]
16	M77	Z	-12.711	-12.711	0	%100
17	M80	X	23.188	23.188	0	%100
18	M80	Z	-13.388	-13.388	0	%100
19	M84	X	16.211	16.211	0	%100
20	M84	Z	-9.36	-9.36	0	%100
21	M85	X	5.504	5.504	0	%100
22	M85	Z	-3.178	-3.178	0	%100
23	M91	X	5.797	5.797	0	%100
24	M91	Z	-3.347	-3.347	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	13.359	13.359	0	%100
28	M26	Z	-7.713	-7.713	0	%100
29	M27	X	13.359	13.359	0	%100
30	M27	Z	-7.713	-7.713	0	%100
31	M28	X	21.615	21.615	0	%100
32	M28	Z	-12.479	-12.479	0	%100
33	M31	X	3.001	3.001	0	%100
34	M31	Z	-1.732	-1.732	0	%100
35	M32	X	3.001	3.001	0	%100
36	M32	Z	-1.732	-1.732	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	5.504	5.504	0	%100
40	M37	Z	-3.178	-3.178	0	%100
41	M39	X	5.797	5.797	0	%100
42	M39	Z	-3.347	-3.347	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	5.504	5.504	0	%100
46	M42	Z	-3.178	-3.178	0	%100
47	M44	X	5.797	5.797	0	%100
48	M44	Z	-3.347	-3.347	0	%100
49	M49	X	9.605	9.605	0	%100
50	M49	Z	-5.546	-5.546	0	%100
51	M50A	X	3.34	3.34	0	%100
52	M50A	Z	-1.928	-1.928	0	%100
53	M51C	X	3.34	3.34	0	%100
54	M51C	Z	-1.928	-1.928	0	%100
55	M52A	X	5.404	5.404	0	%100
56	M52A	Z	-3.12	-3.12	0	%100
57	M55	X	3.001	3.001	0	%100
58	M55	Z	-1.732	-1.732	0	%100
59	M56	X	12.002	12.002	0	%100
60	M56	Z	-6.93	-6.93	0	%100
61	M60	X	16.211	16.211	0	%100
62	M60	Z	-9.36	-9.36	0	%100
63	M61	X	5.504	5.504	0	%100
64	M61	Z	-3.178	-3.178	0	%100
65	M63	X	5.797	5.797	0	%100
66	M63	Z	-3.347	-3.347	0	%100
67	M65	X	16.211	16.211	0	%100
68	M65	Z	-9.36	-9.36	0	%100
69	M66	X	22.015	22.015	0	%100
70	M66	Z	-12.711	-12.711	0	%100
71	M68	X	23.188	23.188	0	%100
72	M68	Z	-13.388	-13.388	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
73	M73	X	3.057	3.057	0	%100
74	M73	Z	-1.765	-1.765	0	%100
75	M74	X	12.23	12.23	0	%100
76	M74	Z	-7.061	-7.061	0	%100
77	M75	X	3.057	3.057	0	%100
78	M75	Z	-1.765	-1.765	0	%100
79	M76A	X	3.974	3.974	0	%100
80	M76A	Z	-2.294	-2.294	0	%100
81	M77A	X	11.735	11.735	0	%100
82	M77A	Z	-6.775	-6.775	0	%100
83	M78	X	11.735	11.735	0	%100
84	M78	Z	-6.775	-6.775	0	%100
85	MP1A	X	8.556	8.556	0	%100
86	MP1A	Z	-4.94	-4.94	0	%100
87	MP2A	X	8.556	8.556	0	%100
88	MP2A	Z	-4.94	-4.94	0	%100
89	MP3A	X	8.556	8.556	0	%100
90	MP3A	Z	-4.94	-4.94	0	%100
91	MP4A	X	8.556	8.556	0	%100
92	MP4A	Z	-4.94	-4.94	0	%100
93	MP1C	X	8.556	8.556	0	%100
94	MP1C	Z	-4.94	-4.94	0	%100
95	MP2C	X	8.556	8.556	0	%100
96	MP2C	Z	-4.94	-4.94	0	%100
97	MP3C	X	8.556	8.556	0	%100
98	MP3C	Z	-4.94	-4.94	0	%100
99	MP4C	X	8.556	8.556	0	%100
100	MP4C	Z	-4.94	-4.94	0	%100
101	MP1B	X	8.556	8.556	0	%100
102	MP1B	Z	-4.94	-4.94	0	%100
103	MP2B	X	8.556	8.556	0	%100
104	MP2B	Z	-4.94	-4.94	0	%100
105	MP3B	X	8.556	8.556	0	%100
106	MP3B	Z	-4.94	-4.94	0	%100
107	MP4B	X	8.556	8.556	0	%100
108	MP4B	Z	-4.94	-4.94	0	%100
109	M104	X	6.997	6.997	0	%100
110	M104	Z	-4.039	-4.039	0	%100
111	M105	X	2.589	2.589	0	%100
112	M105	Z	-1.495	-1.495	0	%100
113	M106	X	10.357	10.357	0	%100
114	M106	Z	-5.98	-5.98	0	%100
115	M107	X	2.589	2.589	0	%100
116	M107	Z	-1.495	-1.495	0	%100
117	M114	X	14.036	14.036	0	%100
118	M114	Z	-8.104	-8.104	0	%100
119	M115	X	3.509	3.509	0	%100
120	M115	Z	-2.026	-2.026	0	%100
121	M116	X	3.509	3.509	0	%100
122	M116	Z	-2.026	-2.026	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	14.788	14.788	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	10.394	10.394	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	10.394	10.394	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	24.959	24.959	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	19.066	19.066	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	20.082	20.082	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	24.959	24.959	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	19.066	19.066	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	20.082	20.082	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	3.697	3.697	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	11.57	11.57	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	11.57	11.57	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	18.719	18.719	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	10.394	10.394	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	6.24	6.24	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	19.066	19.066	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	20.082	20.082	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	6.24	6.24	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	3.697	3.697	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	11.57	11.57	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	11.57	11.57	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	18.719	18.719	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	10.394	10.394	0	%100
60	M56	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
61	M60	X	6.24	6.24	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	6.24	6.24	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	19.066	19.066	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	20.082	20.082	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	10.591	10.591	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	10.591	10.591	0	%100
78	M75	Z	0	0	0	%100
79	M76A	X	7.576	7.576	0	%100
80	M76A	Z	0	0	0	%100
81	M77A	X	7.576	7.576	0	%100
82	M77A	Z	0	0	0	%100
83	M78	X	16.538	16.538	0	%100
84	M78	Z	0	0	0	%100
85	MP1A	X	9.88	9.88	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	9.88	9.88	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	9.88	9.88	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	9.88	9.88	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	9.88	9.88	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	9.88	9.88	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	9.88	9.88	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	9.88	9.88	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	9.88	9.88	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	9.88	9.88	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	9.88	9.88	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	9.88	9.88	0	%100
108	MP4B	Z	0	0	0	%100
109	M104	X	8.079	8.079	0	%100
110	M104	Z	0	0	0	%100
111	M105	X	0	0	0	%100
112	M105	Z	0	0	0	%100
113	M106	X	8.97	8.97	0	%100
114	M106	Z	0	0	0	%100
115	M107	X	8.97	8.97	0	%100
116	M107	Z	0	0	0	%100
117	M114	X	12.156	12.156	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
118	M114	Z	0	0	0	%100
119	M115	X	12.156	12.156	0	%100
120	M115	Z	0	0	0	%100
121	M116	X	0	0	0	%100
122	M116	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	9.605	9.605	0	%100
2	M4	Z	5.546	5.546	0	%100
3	M10	X	3.34	3.34	0	%100
4	M10	Z	1.928	1.928	0	%100
5	M43	X	3.34	3.34	0	%100
6	M43	Z	1.928	1.928	0	%100
7	M46	X	5.404	5.404	0	%100
8	M46	Z	3.12	3.12	0	%100
9	M51B	X	3.001	3.001	0	%100
10	M51B	Z	1.732	1.732	0	%100
11	M52B	X	12.002	12.002	0	%100
12	M52B	Z	6.93	6.93	0	%100
13	M76	X	16.211	16.211	0	%100
14	M76	Z	9.36	9.36	0	%100
15	M77	X	5.504	5.504	0	%100
16	M77	Z	3.178	3.178	0	%100
17	M80	X	5.797	5.797	0	%100
18	M80	Z	3.347	3.347	0	%100
19	M84	X	16.211	16.211	0	%100
20	M84	Z	9.36	9.36	0	%100
21	M85	X	22.015	22.015	0	%100
22	M85	Z	12.711	12.711	0	%100
23	M91	X	23.188	23.188	0	%100
24	M91	Z	13.388	13.388	0	%100
25	M25	X	9.605	9.605	0	%100
26	M25	Z	5.546	5.546	0	%100
27	M26	X	3.34	3.34	0	%100
28	M26	Z	1.928	1.928	0	%100
29	M27	X	3.34	3.34	0	%100
30	M27	Z	1.928	1.928	0	%100
31	M28	X	5.404	5.404	0	%100
32	M28	Z	3.12	3.12	0	%100
33	M31	X	12.002	12.002	0	%100
34	M31	Z	6.93	6.93	0	%100
35	M32	X	3.001	3.001	0	%100
36	M32	Z	1.732	1.732	0	%100
37	M36	X	16.211	16.211	0	%100
38	M36	Z	9.36	9.36	0	%100
39	M37	X	22.015	22.015	0	%100
40	M37	Z	12.711	12.711	0	%100
41	M39	X	23.188	23.188	0	%100
42	M39	Z	13.388	13.388	0	%100
43	M41	X	16.211	16.211	0	%100
44	M41	Z	9.36	9.36	0	%100
45	M42	X	5.504	5.504	0	%100
46	M42	Z	3.178	3.178	0	%100
47	M44	X	5.797	5.797	0	%100
48	M44	Z	3.347	3.347	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft. %]	End Location[ft. %]
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	13.359	13.359	0	%100
52	M50A	Z	7.713	7.713	0	%100
53	M51C	X	13.359	13.359	0	%100
54	M51C	Z	7.713	7.713	0	%100
55	M52A	X	21.615	21.615	0	%100
56	M52A	Z	12.479	12.479	0	%100
57	M55	X	3.001	3.001	0	%100
58	M55	Z	1.732	1.732	0	%100
59	M56	X	3.001	3.001	0	%100
60	M56	Z	1.732	1.732	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	5.504	5.504	0	%100
64	M61	Z	3.178	3.178	0	%100
65	M63	X	5.797	5.797	0	%100
66	M63	Z	3.347	3.347	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	5.504	5.504	0	%100
70	M66	Z	3.178	3.178	0	%100
71	M68	X	5.797	5.797	0	%100
72	M68	Z	3.347	3.347	0	%100
73	M73	X	3.057	3.057	0	%100
74	M73	Z	1.765	1.765	0	%100
75	M74	X	3.057	3.057	0	%100
76	M74	Z	1.765	1.765	0	%100
77	M75	X	12.23	12.23	0	%100
78	M75	Z	7.061	7.061	0	%100
79	M76A	X	11.735	11.735	0	%100
80	M76A	Z	6.775	6.775	0	%100
81	M77A	X	3.974	3.974	0	%100
82	M77A	Z	2.294	2.294	0	%100
83	M78	X	11.735	11.735	0	%100
84	M78	Z	6.775	6.775	0	%100
85	MP1A	X	8.556	8.556	0	%100
86	MP1A	Z	4.94	4.94	0	%100
87	MP2A	X	8.556	8.556	0	%100
88	MP2A	Z	4.94	4.94	0	%100
89	MP3A	X	8.556	8.556	0	%100
90	MP3A	Z	4.94	4.94	0	%100
91	MP4A	X	8.556	8.556	0	%100
92	MP4A	Z	4.94	4.94	0	%100
93	MP1C	X	8.556	8.556	0	%100
94	MP1C	Z	4.94	4.94	0	%100
95	MP2C	X	8.556	8.556	0	%100
96	MP2C	Z	4.94	4.94	0	%100
97	MP3C	X	8.556	8.556	0	%100
98	MP3C	Z	4.94	4.94	0	%100
99	MP4C	X	8.556	8.556	0	%100
100	MP4C	Z	4.94	4.94	0	%100
101	MP1B	X	8.556	8.556	0	%100
102	MP1B	Z	4.94	4.94	0	%100
103	MP2B	X	8.556	8.556	0	%100
104	MP2B	Z	4.94	4.94	0	%100
105	MP3B	X	8.556	8.556	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
106	MP3B	Z	4.94	4.94	0	%100
107	MP4B	X	8.556	8.556	0	%100
108	MP4B	Z	4.94	4.94	0	%100
109	M104	X	6.997	6.997	0	%100
110	M104	Z	4.039	4.039	0	%100
111	M105	X	2.589	2.589	0	%100
112	M105	Z	1.495	1.495	0	%100
113	M106	X	2.589	2.589	0	%100
114	M106	Z	1.495	1.495	0	%100
115	M107	X	10.357	10.357	0	%100
116	M107	Z	5.98	5.98	0	%100
117	M114	X	3.509	3.509	0	%100
118	M114	Z	2.026	2.026	0	%100
119	M115	X	14.036	14.036	0	%100
120	M115	Z	8.104	8.104	0	%100
121	M116	X	3.509	3.509	0	%100
122	M116	Z	2.026	2.026	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	1.849	1.849	0	%100
2	M4	Z	3.202	3.202	0	%100
3	M10	X	5.785	5.785	0	%100
4	M10	Z	10.019	10.019	0	%100
5	M43	X	5.785	5.785	0	%100
6	M43	Z	10.019	10.019	0	%100
7	M46	X	9.36	9.36	0	%100
8	M46	Z	16.211	16.211	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	5.197	5.197	0	%100
12	M52B	Z	9.002	9.002	0	%100
13	M76	X	3.12	3.12	0	%100
14	M76	Z	5.404	5.404	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	3.12	3.12	0	%100
20	M84	Z	5.404	5.404	0	%100
21	M85	X	9.533	9.533	0	%100
22	M85	Z	16.512	16.512	0	%100
23	M91	X	10.041	10.041	0	%100
24	M91	Z	17.391	17.391	0	%100
25	M25	X	7.394	7.394	0	%100
26	M25	Z	12.807	12.807	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	5.197	5.197	0	%100
34	M31	Z	9.002	9.002	0	%100
35	M32	X	5.197	5.197	0	%100
36	M32	Z	9.002	9.002	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
37	M36	X	12.479	12.479	0	%100
38	M36	Z	21.615	21.615	0	%100
39	M37	X	9.533	9.533	0	%100
40	M37	Z	16.512	16.512	0	%100
41	M39	X	10.041	10.041	0	%100
42	M39	Z	17.391	17.391	0	%100
43	M41	X	12.479	12.479	0	%100
44	M41	Z	21.615	21.615	0	%100
45	M42	X	9.533	9.533	0	%100
46	M42	Z	16.512	16.512	0	%100
47	M44	X	10.041	10.041	0	%100
48	M44	Z	17.391	17.391	0	%100
49	M49	X	1.849	1.849	0	%100
50	M49	Z	3.202	3.202	0	%100
51	M50A	X	5.785	5.785	0	%100
52	M50A	Z	10.019	10.019	0	%100
53	M51C	X	5.785	5.785	0	%100
54	M51C	Z	10.019	10.019	0	%100
55	M52A	X	9.36	9.36	0	%100
56	M52A	Z	16.211	16.211	0	%100
57	M55	X	5.197	5.197	0	%100
58	M55	Z	9.002	9.002	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	3.12	3.12	0	%100
62	M60	Z	5.404	5.404	0	%100
63	M61	X	9.533	9.533	0	%100
64	M61	Z	16.512	16.512	0	%100
65	M63	X	10.041	10.041	0	%100
66	M63	Z	17.391	17.391	0	%100
67	M65	X	3.12	3.12	0	%100
68	M65	Z	5.404	5.404	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	5.296	5.296	0	%100
74	M73	Z	9.172	9.172	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	5.296	5.296	0	%100
78	M75	Z	9.172	9.172	0	%100
79	M76A	X	8.269	8.269	0	%100
80	M76A	Z	14.323	14.323	0	%100
81	M77A	X	3.788	3.788	0	%100
82	M77A	Z	6.561	6.561	0	%100
83	M78	X	3.788	3.788	0	%100
84	M78	Z	6.561	6.561	0	%100
85	MP1A	X	4.94	4.94	0	%100
86	MP1A	Z	8.556	8.556	0	%100
87	MP2A	X	4.94	4.94	0	%100
88	MP2A	Z	8.556	8.556	0	%100
89	MP3A	X	4.94	4.94	0	%100
90	MP3A	Z	8.556	8.556	0	%100
91	MP4A	X	4.94	4.94	0	%100
92	MP4A	Z	8.556	8.556	0	%100
93	MP1C	X	4.94	4.94	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
94	MP1C	Z	8.556	8.556	0	%100
95	MP2C	X	4.94	4.94	0	%100
96	MP2C	Z	8.556	8.556	0	%100
97	MP3C	X	4.94	4.94	0	%100
98	MP3C	Z	8.556	8.556	0	%100
99	MP4C	X	4.94	4.94	0	%100
100	MP4C	Z	8.556	8.556	0	%100
101	MP1B	X	4.94	4.94	0	%100
102	MP1B	Z	8.556	8.556	0	%100
103	MP2B	X	4.94	4.94	0	%100
104	MP2B	Z	8.556	8.556	0	%100
105	MP3B	X	4.94	4.94	0	%100
106	MP3B	Z	8.556	8.556	0	%100
107	MP4B	X	4.94	4.94	0	%100
108	MP4B	Z	8.556	8.556	0	%100
109	M104	X	4.039	4.039	0	%100
110	M104	Z	6.997	6.997	0	%100
111	M105	X	4.485	4.485	0	%100
112	M105	Z	7.768	7.768	0	%100
113	M106	X	0	0	0	%100
114	M106	Z	0	0	0	%100
115	M107	X	4.485	4.485	0	%100
116	M107	Z	7.768	7.768	0	%100
117	M114	X	0	0	0	%100
118	M114	Z	0	0	0	%100
119	M115	X	6.078	6.078	0	%100
120	M115	Z	10.527	10.527	0	%100
121	M116	X	6.078	6.078	0	%100
122	M116	Z	10.527	10.527	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	15.426	15.426	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	15.426	15.426	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	24.959	24.959	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	3.465	3.465	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	3.465	3.465	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	6.355	6.355	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	6.694	6.694	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	6.355	6.355	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	6.694	6.694	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
25	M25	X	0	0	0	%100
26	M25	Z	11.091	11.091	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	3.857	3.857	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	3.857	3.857	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	6.24	6.24	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	3.465	3.465	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	13.859	13.859	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	18.719	18.719	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	6.355	6.355	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	6.694	6.694	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	18.719	18.719	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	25.421	25.421	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	26.776	26.776	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	11.091	11.091	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	3.857	3.857	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	3.857	3.857	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	6.24	6.24	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	13.859	13.859	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	3.465	3.465	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	18.719	18.719	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	25.421	25.421	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	26.776	26.776	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	18.719	18.719	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	6.355	6.355	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	6.694	6.694	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	14.122	14.122	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	3.53	3.53	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	3.53	3.53	0	%100
79	M76A	X	0	0	0	%100
80	M76A	Z	13.551	13.551	0	%100
81	M77A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
82	M77A	Z	13.551	13.551	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	4.589	4.589	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	9.88	9.88	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	9.88	9.88	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	9.88	9.88	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	9.88	9.88	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	9.88	9.88	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	9.88	9.88	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	9.88	9.88	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	9.88	9.88	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	9.88	9.88	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	9.88	9.88	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	9.88	9.88	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	9.88	9.88	0	%100
109	M104	X	0	0	0	%100
110	M104	Z	8.079	8.079	0	%100
111	M105	X	0	0	0	%100
112	M105	Z	11.959	11.959	0	%100
113	M106	X	0	0	0	%100
114	M106	Z	2.99	2.99	0	%100
115	M107	X	0	0	0	%100
116	M107	Z	2.99	2.99	0	%100
117	M114	X	0	0	0	%100
118	M114	Z	4.052	4.052	0	%100
119	M115	X	0	0	0	%100
120	M115	Z	4.052	4.052	0	%100
121	M116	X	0	0	0	%100
122	M116	Z	16.207	16.207	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-1.849	-1.849	0	%100
2	M4	Z	3.202	3.202	0	%100
3	M10	X	-5.785	-5.785	0	%100
4	M10	Z	10.019	10.019	0	%100
5	M43	X	-5.785	-5.785	0	%100
6	M43	Z	10.019	10.019	0	%100
7	M46	X	-9.36	-9.36	0	%100
8	M46	Z	16.211	16.211	0	%100
9	M51B	X	-5.197	-5.197	0	%100
10	M51B	Z	9.002	9.002	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
13	M76	X	-3.12	-3.12	0	%100
14	M76	Z	5.404	5.404	0	%100
15	M77	X	-9.533	-9.533	0	%100
16	M77	Z	16.512	16.512	0	%100
17	M80	X	-10.041	-10.041	0	%100
18	M80	Z	17.391	17.391	0	%100
19	M84	X	-3.12	-3.12	0	%100
20	M84	Z	5.404	5.404	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-1.849	-1.849	0	%100
26	M25	Z	3.202	3.202	0	%100
27	M26	X	-5.785	-5.785	0	%100
28	M26	Z	10.019	10.019	0	%100
29	M27	X	-5.785	-5.785	0	%100
30	M27	Z	10.019	10.019	0	%100
31	M28	X	-9.36	-9.36	0	%100
32	M28	Z	16.211	16.211	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-5.197	-5.197	0	%100
36	M32	Z	9.002	9.002	0	%100
37	M36	X	-3.12	-3.12	0	%100
38	M36	Z	5.404	5.404	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-3.12	-3.12	0	%100
44	M41	Z	5.404	5.404	0	%100
45	M42	X	-9.533	-9.533	0	%100
46	M42	Z	16.512	16.512	0	%100
47	M44	X	-10.041	-10.041	0	%100
48	M44	Z	17.391	17.391	0	%100
49	M49	X	-7.394	-7.394	0	%100
50	M49	Z	12.807	12.807	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	-5.197	-5.197	0	%100
58	M55	Z	9.002	9.002	0	%100
59	M56	X	-5.197	-5.197	0	%100
60	M56	Z	9.002	9.002	0	%100
61	M60	X	-12.479	-12.479	0	%100
62	M60	Z	21.615	21.615	0	%100
63	M61	X	-9.533	-9.533	0	%100
64	M61	Z	16.512	16.512	0	%100
65	M63	X	-10.041	-10.041	0	%100
66	M63	Z	17.391	17.391	0	%100
67	M65	X	-12.479	-12.479	0	%100
68	M65	Z	21.615	21.615	0	%100
69	M66	X	-9.533	-9.533	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
70	M66	Z	16.512	16.512	0	%100
71	M68	X	-10.041	-10.041	0	%100
72	M68	Z	17.391	17.391	0	%100
73	M73	X	-5.296	-5.296	0	%100
74	M73	Z	9.172	9.172	0	%100
75	M74	X	-5.296	-5.296	0	%100
76	M74	Z	9.172	9.172	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	M76A	X	-3.788	-3.788	0	%100
80	M76A	Z	6.561	6.561	0	%100
81	M77A	X	-8.269	-8.269	0	%100
82	M77A	Z	14.323	14.323	0	%100
83	M78	X	-3.788	-3.788	0	%100
84	M78	Z	6.561	6.561	0	%100
85	MP1A	X	-4.94	-4.94	0	%100
86	MP1A	Z	8.556	8.556	0	%100
87	MP2A	X	-4.94	-4.94	0	%100
88	MP2A	Z	8.556	8.556	0	%100
89	MP3A	X	-4.94	-4.94	0	%100
90	MP3A	Z	8.556	8.556	0	%100
91	MP4A	X	-4.94	-4.94	0	%100
92	MP4A	Z	8.556	8.556	0	%100
93	MP1C	X	-4.94	-4.94	0	%100
94	MP1C	Z	8.556	8.556	0	%100
95	MP2C	X	-4.94	-4.94	0	%100
96	MP2C	Z	8.556	8.556	0	%100
97	MP3C	X	-4.94	-4.94	0	%100
98	MP3C	Z	8.556	8.556	0	%100
99	MP4C	X	-4.94	-4.94	0	%100
100	MP4C	Z	8.556	8.556	0	%100
101	MP1B	X	-4.94	-4.94	0	%100
102	MP1B	Z	8.556	8.556	0	%100
103	MP2B	X	-4.94	-4.94	0	%100
104	MP2B	Z	8.556	8.556	0	%100
105	MP3B	X	-4.94	-4.94	0	%100
106	MP3B	Z	8.556	8.556	0	%100
107	MP4B	X	-4.94	-4.94	0	%100
108	MP4B	Z	8.556	8.556	0	%100
109	M104	X	-4.039	-4.039	0	%100
110	M104	Z	6.997	6.997	0	%100
111	M105	X	-4.485	-4.485	0	%100
112	M105	Z	7.768	7.768	0	%100
113	M106	X	-4.485	-4.485	0	%100
114	M106	Z	7.768	7.768	0	%100
115	M107	X	0	0	0	%100
116	M107	Z	0	0	0	%100
117	M114	X	-6.078	-6.078	0	%100
118	M114	Z	10.527	10.527	0	%100
119	M115	X	0	0	0	%100
120	M115	Z	0	0	0	%100
121	M116	X	-6.078	-6.078	0	%100
122	M116	Z	10.527	10.527	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
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Member Distributed Loads (BLC 49 : Structure Wo (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft. %]	End Location[ft. %]
1	M4	X	-9.605	-9.605	0	%100
2	M4	Z	5.546	5.546	0	%100
3	M10	X	-3.34	-3.34	0	%100
4	M10	Z	1.928	1.928	0	%100
5	M43	X	-3.34	-3.34	0	%100
6	M43	Z	1.928	1.928	0	%100
7	M46	X	-5.404	-5.404	0	%100
8	M46	Z	3.12	3.12	0	%100
9	M51B	X	-12.002	-12.002	0	%100
10	M51B	Z	6.93	6.93	0	%100
11	M52B	X	-3.001	-3.001	0	%100
12	M52B	Z	1.732	1.732	0	%100
13	M76	X	-16.211	-16.211	0	%100
14	M76	Z	9.36	9.36	0	%100
15	M77	X	-22.015	-22.015	0	%100
16	M77	Z	12.711	12.711	0	%100
17	M80	X	-23.188	-23.188	0	%100
18	M80	Z	13.388	13.388	0	%100
19	M84	X	-16.211	-16.211	0	%100
20	M84	Z	9.36	9.36	0	%100
21	M85	X	-5.504	-5.504	0	%100
22	M85	Z	3.178	3.178	0	%100
23	M91	X	-5.797	-5.797	0	%100
24	M91	Z	3.347	3.347	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-13.359	-13.359	0	%100
28	M26	Z	7.713	7.713	0	%100
29	M27	X	-13.359	-13.359	0	%100
30	M27	Z	7.713	7.713	0	%100
31	M28	X	-21.615	-21.615	0	%100
32	M28	Z	12.479	12.479	0	%100
33	M31	X	-3.001	-3.001	0	%100
34	M31	Z	1.732	1.732	0	%100
35	M32	X	-3.001	-3.001	0	%100
36	M32	Z	1.732	1.732	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-5.504	-5.504	0	%100
40	M37	Z	3.178	3.178	0	%100
41	M39	X	-5.797	-5.797	0	%100
42	M39	Z	3.347	3.347	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-5.504	-5.504	0	%100
46	M42	Z	3.178	3.178	0	%100
47	M44	X	-5.797	-5.797	0	%100
48	M44	Z	3.347	3.347	0	%100
49	M49	X	-9.605	-9.605	0	%100
50	M49	Z	5.546	5.546	0	%100
51	M50A	X	-3.34	-3.34	0	%100
52	M50A	Z	1.928	1.928	0	%100
53	M51C	X	-3.34	-3.34	0	%100
54	M51C	Z	1.928	1.928	0	%100
55	M52A	X	-5.404	-5.404	0	%100
56	M52A	Z	3.12	3.12	0	%100
57	M55	X	-3.001	-3.001	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
58	M55	Z	1.732	1.732	0	%100
59	M56	X	-12.002	-12.002	0	%100
60	M56	Z	6.93	6.93	0	%100
61	M60	X	-16.211	-16.211	0	%100
62	M60	Z	9.36	9.36	0	%100
63	M61	X	-5.504	-5.504	0	%100
64	M61	Z	3.178	3.178	0	%100
65	M63	X	-5.797	-5.797	0	%100
66	M63	Z	3.347	3.347	0	%100
67	M65	X	-16.211	-16.211	0	%100
68	M65	Z	9.36	9.36	0	%100
69	M66	X	-22.015	-22.015	0	%100
70	M66	Z	12.711	12.711	0	%100
71	M68	X	-23.188	-23.188	0	%100
72	M68	Z	13.388	13.388	0	%100
73	M73	X	-3.057	-3.057	0	%100
74	M73	Z	1.765	1.765	0	%100
75	M74	X	-12.23	-12.23	0	%100
76	M74	Z	7.061	7.061	0	%100
77	M75	X	-3.057	-3.057	0	%100
78	M75	Z	1.765	1.765	0	%100
79	M76A	X	-3.974	-3.974	0	%100
80	M76A	Z	2.294	2.294	0	%100
81	M77A	X	-11.735	-11.735	0	%100
82	M77A	Z	6.775	6.775	0	%100
83	M78	X	-11.735	-11.735	0	%100
84	M78	Z	6.775	6.775	0	%100
85	MP1A	X	-8.556	-8.556	0	%100
86	MP1A	Z	4.94	4.94	0	%100
87	MP2A	X	-8.556	-8.556	0	%100
88	MP2A	Z	4.94	4.94	0	%100
89	MP3A	X	-8.556	-8.556	0	%100
90	MP3A	Z	4.94	4.94	0	%100
91	MP4A	X	-8.556	-8.556	0	%100
92	MP4A	Z	4.94	4.94	0	%100
93	MP1C	X	-8.556	-8.556	0	%100
94	MP1C	Z	4.94	4.94	0	%100
95	MP2C	X	-8.556	-8.556	0	%100
96	MP2C	Z	4.94	4.94	0	%100
97	MP3C	X	-8.556	-8.556	0	%100
98	MP3C	Z	4.94	4.94	0	%100
99	MP4C	X	-8.556	-8.556	0	%100
100	MP4C	Z	4.94	4.94	0	%100
101	MP1B	X	-8.556	-8.556	0	%100
102	MP1B	Z	4.94	4.94	0	%100
103	MP2B	X	-8.556	-8.556	0	%100
104	MP2B	Z	4.94	4.94	0	%100
105	MP3B	X	-8.556	-8.556	0	%100
106	MP3B	Z	4.94	4.94	0	%100
107	MP4B	X	-8.556	-8.556	0	%100
108	MP4B	Z	4.94	4.94	0	%100
109	M104	X	-6.997	-6.997	0	%100
110	M104	Z	4.039	4.039	0	%100
111	M105	X	-2.589	-2.589	0	%100
112	M105	Z	1.495	1.495	0	%100
113	M106	X	-10.357	-10.357	0	%100
114	M106	Z	5.98	5.98	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M107	X	-2.589	-2.589	0	%100
116	M107	Z	1.495	1.495	0	%100
117	M114	X	-14.036	-14.036	0	%100
118	M114	Z	8.104	8.104	0	%100
119	M115	X	-3.509	-3.509	0	%100
120	M115	Z	2.026	2.026	0	%100
121	M116	X	-3.509	-3.509	0	%100
122	M116	Z	2.026	2.026	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-14.788	-14.788	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-10.394	-10.394	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-10.394	-10.394	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-24.959	-24.959	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-19.066	-19.066	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-20.082	-20.082	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-24.959	-24.959	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-19.066	-19.066	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-20.082	-20.082	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-3.697	-3.697	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-11.57	-11.57	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-11.57	-11.57	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-18.719	-18.719	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-10.394	-10.394	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-6.24	-6.24	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-19.066	-19.066	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-20.082	-20.082	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-6.24	-6.24	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-3.697	-3.697	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-11.57	-11.57	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-11.57	-11.57	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-18.719	-18.719	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-10.394	-10.394	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-6.24	-6.24	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-6.24	-6.24	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-19.066	-19.066	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-20.082	-20.082	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-10.591	-10.591	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-10.591	-10.591	0	%100
78	M75	Z	0	0	0	%100
79	M76A	X	-7.576	-7.576	0	%100
80	M76A	Z	0	0	0	%100
81	M77A	X	-7.576	-7.576	0	%100
82	M77A	Z	0	0	0	%100
83	M78	X	-16.538	-16.538	0	%100
84	M78	Z	0	0	0	%100
85	MP1A	X	-9.88	-9.88	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	-9.88	-9.88	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	-9.88	-9.88	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	-9.88	-9.88	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	-9.88	-9.88	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	-9.88	-9.88	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	-9.88	-9.88	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	-9.88	-9.88	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	-9.88	-9.88	0	%100
102	MP1B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
103	MP2B	X	-9.88	-9.88	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	-9.88	-9.88	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	-9.88	-9.88	0	%100
108	MP4B	Z	0	0	0	%100
109	M104	X	-8.079	-8.079	0	%100
110	M104	Z	0	0	0	%100
111	M105	X	0	0	0	%100
112	M105	Z	0	0	0	%100
113	M106	X	-8.97	-8.97	0	%100
114	M106	Z	0	0	0	%100
115	M107	X	-8.97	-8.97	0	%100
116	M107	Z	0	0	0	%100
117	M114	X	-12.156	-12.156	0	%100
118	M114	Z	0	0	0	%100
119	M115	X	-12.156	-12.156	0	%100
120	M115	Z	0	0	0	%100
121	M116	X	0	0	0	%100
122	M116	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-9.605	-9.605	0	%100
2	M4	Z	-5.546	-5.546	0	%100
3	M10	X	-3.34	-3.34	0	%100
4	M10	Z	-1.928	-1.928	0	%100
5	M43	X	-3.34	-3.34	0	%100
6	M43	Z	-1.928	-1.928	0	%100
7	M46	X	-5.404	-5.404	0	%100
8	M46	Z	-3.12	-3.12	0	%100
9	M51B	X	-3.001	-3.001	0	%100
10	M51B	Z	-1.732	-1.732	0	%100
11	M52B	X	-12.002	-12.002	0	%100
12	M52B	Z	-6.93	-6.93	0	%100
13	M76	X	-16.211	-16.211	0	%100
14	M76	Z	-9.36	-9.36	0	%100
15	M77	X	-5.504	-5.504	0	%100
16	M77	Z	-3.178	-3.178	0	%100
17	M80	X	-5.797	-5.797	0	%100
18	M80	Z	-3.347	-3.347	0	%100
19	M84	X	-16.211	-16.211	0	%100
20	M84	Z	-9.36	-9.36	0	%100
21	M85	X	-22.015	-22.015	0	%100
22	M85	Z	-12.711	-12.711	0	%100
23	M91	X	-23.188	-23.188	0	%100
24	M91	Z	-13.388	-13.388	0	%100
25	M25	X	-9.605	-9.605	0	%100
26	M25	Z	-5.546	-5.546	0	%100
27	M26	X	-3.34	-3.34	0	%100
28	M26	Z	-1.928	-1.928	0	%100
29	M27	X	-3.34	-3.34	0	%100
30	M27	Z	-1.928	-1.928	0	%100
31	M28	X	-5.404	-5.404	0	%100
32	M28	Z	-3.12	-3.12	0	%100
33	M31	X	-12.002	-12.002	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
34	M31	Z	-6.93	-6.93	0	%100
35	M32	X	-3.001	-3.001	0	%100
36	M32	Z	-1.732	-1.732	0	%100
37	M36	X	-16.211	-16.211	0	%100
38	M36	Z	-9.36	-9.36	0	%100
39	M37	X	-22.015	-22.015	0	%100
40	M37	Z	-12.711	-12.711	0	%100
41	M39	X	-23.188	-23.188	0	%100
42	M39	Z	-13.388	-13.388	0	%100
43	M41	X	-16.211	-16.211	0	%100
44	M41	Z	-9.36	-9.36	0	%100
45	M42	X	-5.504	-5.504	0	%100
46	M42	Z	-3.178	-3.178	0	%100
47	M44	X	-5.797	-5.797	0	%100
48	M44	Z	-3.347	-3.347	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-13.359	-13.359	0	%100
52	M50A	Z	-7.713	-7.713	0	%100
53	M51C	X	-13.359	-13.359	0	%100
54	M51C	Z	-7.713	-7.713	0	%100
55	M52A	X	-21.615	-21.615	0	%100
56	M52A	Z	-12.479	-12.479	0	%100
57	M55	X	-3.001	-3.001	0	%100
58	M55	Z	-1.732	-1.732	0	%100
59	M56	X	-3.001	-3.001	0	%100
60	M56	Z	-1.732	-1.732	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-5.504	-5.504	0	%100
64	M61	Z	-3.178	-3.178	0	%100
65	M63	X	-5.797	-5.797	0	%100
66	M63	Z	-3.347	-3.347	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-5.504	-5.504	0	%100
70	M66	Z	-3.178	-3.178	0	%100
71	M68	X	-5.797	-5.797	0	%100
72	M68	Z	-3.347	-3.347	0	%100
73	M73	X	-3.057	-3.057	0	%100
74	M73	Z	-1.765	-1.765	0	%100
75	M74	X	-3.057	-3.057	0	%100
76	M74	Z	-1.765	-1.765	0	%100
77	M75	X	-12.23	-12.23	0	%100
78	M75	Z	-7.061	-7.061	0	%100
79	M76A	X	-11.735	-11.735	0	%100
80	M76A	Z	-6.775	-6.775	0	%100
81	M77A	X	-3.974	-3.974	0	%100
82	M77A	Z	-2.294	-2.294	0	%100
83	M78	X	-11.735	-11.735	0	%100
84	M78	Z	-6.775	-6.775	0	%100
85	MP1A	X	-8.556	-8.556	0	%100
86	MP1A	Z	-4.94	-4.94	0	%100
87	MP2A	X	-8.556	-8.556	0	%100
88	MP2A	Z	-4.94	-4.94	0	%100
89	MP3A	X	-8.556	-8.556	0	%100
90	MP3A	Z	-4.94	-4.94	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	MP4A	X	-8.556	-8.556	0	%100
92	MP4A	Z	-4.94	-4.94	0	%100
93	MP1C	X	-8.556	-8.556	0	%100
94	MP1C	Z	-4.94	-4.94	0	%100
95	MP2C	X	-8.556	-8.556	0	%100
96	MP2C	Z	-4.94	-4.94	0	%100
97	MP3C	X	-8.556	-8.556	0	%100
98	MP3C	Z	-4.94	-4.94	0	%100
99	MP4C	X	-8.556	-8.556	0	%100
100	MP4C	Z	-4.94	-4.94	0	%100
101	MP1B	X	-8.556	-8.556	0	%100
102	MP1B	Z	-4.94	-4.94	0	%100
103	MP2B	X	-8.556	-8.556	0	%100
104	MP2B	Z	-4.94	-4.94	0	%100
105	MP3B	X	-8.556	-8.556	0	%100
106	MP3B	Z	-4.94	-4.94	0	%100
107	MP4B	X	-8.556	-8.556	0	%100
108	MP4B	Z	-4.94	-4.94	0	%100
109	M104	X	-6.997	-6.997	0	%100
110	M104	Z	-4.039	-4.039	0	%100
111	M105	X	-2.589	-2.589	0	%100
112	M105	Z	-1.495	-1.495	0	%100
113	M106	X	-2.589	-2.589	0	%100
114	M106	Z	-1.495	-1.495	0	%100
115	M107	X	-10.357	-10.357	0	%100
116	M107	Z	-5.98	-5.98	0	%100
117	M114	X	-3.509	-3.509	0	%100
118	M114	Z	-2.026	-2.026	0	%100
119	M115	X	-14.036	-14.036	0	%100
120	M115	Z	-8.104	-8.104	0	%100
121	M116	X	-3.509	-3.509	0	%100
122	M116	Z	-2.026	-2.026	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-1.849	-1.849	0	%100
2	M4	Z	-3.202	-3.202	0	%100
3	M10	X	-5.785	-5.785	0	%100
4	M10	Z	-10.019	-10.019	0	%100
5	M43	X	-5.785	-5.785	0	%100
6	M43	Z	-10.019	-10.019	0	%100
7	M46	X	-9.36	-9.36	0	%100
8	M46	Z	-16.211	-16.211	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-5.197	-5.197	0	%100
12	M52B	Z	-9.002	-9.002	0	%100
13	M76	X	-3.12	-3.12	0	%100
14	M76	Z	-5.404	-5.404	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-3.12	-3.12	0	%100
20	M84	Z	-5.404	-5.404	0	%100
21	M85	X	-9.533	-9.533	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
22	M85	Z	-16.512	-16.512	0	%100
23	M91	X	-10.041	-10.041	0	%100
24	M91	Z	-17.391	-17.391	0	%100
25	M25	X	-7.394	-7.394	0	%100
26	M25	Z	-12.807	-12.807	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-5.197	-5.197	0	%100
34	M31	Z	-9.002	-9.002	0	%100
35	M32	X	-5.197	-5.197	0	%100
36	M32	Z	-9.002	-9.002	0	%100
37	M36	X	-12.479	-12.479	0	%100
38	M36	Z	-21.615	-21.615	0	%100
39	M37	X	-9.533	-9.533	0	%100
40	M37	Z	-16.512	-16.512	0	%100
41	M39	X	-10.041	-10.041	0	%100
42	M39	Z	-17.391	-17.391	0	%100
43	M41	X	-12.479	-12.479	0	%100
44	M41	Z	-21.615	-21.615	0	%100
45	M42	X	-9.533	-9.533	0	%100
46	M42	Z	-16.512	-16.512	0	%100
47	M44	X	-10.041	-10.041	0	%100
48	M44	Z	-17.391	-17.391	0	%100
49	M49	X	-1.849	-1.849	0	%100
50	M49	Z	-3.202	-3.202	0	%100
51	M50A	X	-5.785	-5.785	0	%100
52	M50A	Z	-10.019	-10.019	0	%100
53	M51C	X	-5.785	-5.785	0	%100
54	M51C	Z	-10.019	-10.019	0	%100
55	M52A	X	-9.36	-9.36	0	%100
56	M52A	Z	-16.211	-16.211	0	%100
57	M55	X	-5.197	-5.197	0	%100
58	M55	Z	-9.002	-9.002	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-3.12	-3.12	0	%100
62	M60	Z	-5.404	-5.404	0	%100
63	M61	X	-9.533	-9.533	0	%100
64	M61	Z	-16.512	-16.512	0	%100
65	M63	X	-10.041	-10.041	0	%100
66	M63	Z	-17.391	-17.391	0	%100
67	M65	X	-3.12	-3.12	0	%100
68	M65	Z	-5.404	-5.404	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	-5.296	-5.296	0	%100
74	M73	Z	-9.172	-9.172	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-5.296	-5.296	0	%100
78	M75	Z	-9.172	-9.172	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
79	M76A	X	-8.269	-8.269	0	%100
80	M76A	Z	-14.323	-14.323	0	%100
81	M77A	X	-3.788	-3.788	0	%100
82	M77A	Z	-6.561	-6.561	0	%100
83	M78	X	-3.788	-3.788	0	%100
84	M78	Z	-6.561	-6.561	0	%100
85	MP1A	X	-4.94	-4.94	0	%100
86	MP1A	Z	-8.556	-8.556	0	%100
87	MP2A	X	-4.94	-4.94	0	%100
88	MP2A	Z	-8.556	-8.556	0	%100
89	MP3A	X	-4.94	-4.94	0	%100
90	MP3A	Z	-8.556	-8.556	0	%100
91	MP4A	X	-4.94	-4.94	0	%100
92	MP4A	Z	-8.556	-8.556	0	%100
93	MP1C	X	-4.94	-4.94	0	%100
94	MP1C	Z	-8.556	-8.556	0	%100
95	MP2C	X	-4.94	-4.94	0	%100
96	MP2C	Z	-8.556	-8.556	0	%100
97	MP3C	X	-4.94	-4.94	0	%100
98	MP3C	Z	-8.556	-8.556	0	%100
99	MP4C	X	-4.94	-4.94	0	%100
100	MP4C	Z	-8.556	-8.556	0	%100
101	MP1B	X	-4.94	-4.94	0	%100
102	MP1B	Z	-8.556	-8.556	0	%100
103	MP2B	X	-4.94	-4.94	0	%100
104	MP2B	Z	-8.556	-8.556	0	%100
105	MP3B	X	-4.94	-4.94	0	%100
106	MP3B	Z	-8.556	-8.556	0	%100
107	MP4B	X	-4.94	-4.94	0	%100
108	MP4B	Z	-8.556	-8.556	0	%100
109	M104	X	-4.039	-4.039	0	%100
110	M104	Z	-6.997	-6.997	0	%100
111	M105	X	-4.485	-4.485	0	%100
112	M105	Z	-7.768	-7.768	0	%100
113	M106	X	0	0	0	%100
114	M106	Z	0	0	0	%100
115	M107	X	-4.485	-4.485	0	%100
116	M107	Z	-7.768	-7.768	0	%100
117	M114	X	0	0	0	%100
118	M114	Z	0	0	0	%100
119	M115	X	-6.078	-6.078	0	%100
120	M115	Z	-10.527	-10.527	0	%100
121	M116	X	-6.078	-6.078	0	%100
122	M116	Z	-10.527	-10.527	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-4.563	-4.563	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-4.563	-4.563	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-6.052	-6.052	0	%100
9	M51B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
10	M51B	Z	-1.145	-1.145	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-1.145	-1.145	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-1.521	-1.521	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-1.583	-1.583	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-1.521	-1.521	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-1.583	-1.583	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-3.686	-3.686	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-1.141	-1.141	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-1.141	-1.141	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-1.513	-1.513	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-1.145	-1.145	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-4.578	-4.578	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-4.501	-4.501	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-1.521	-1.521	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-1.583	-1.583	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-4.501	-4.501	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-6.084	-6.084	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-6.332	-6.332	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-3.686	-3.686	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-1.141	-1.141	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-1.141	-1.141	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-1.513	-1.513	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-4.578	-4.578	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-1.145	-1.145	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-4.501	-4.501	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-6.084	-6.084	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-6.332	-6.332	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft. %]	End Location[ft. %]
67	M65	X	0	0	0	%100
68	M65	Z	-4.501	-4.501	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-1.521	-1.521	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-1.583	-1.583	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-5.219	-5.219	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-1.305	-1.305	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-1.305	-1.305	0	%100
79	M76A	X	0	0	0	%100
80	M76A	Z	-4.239	-4.239	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	-4.239	-4.239	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	-1.542	-1.542	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-4.169	-4.169	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	-4.169	-4.169	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	-4.169	-4.169	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	-4.169	-4.169	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-4.169	-4.169	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-4.169	-4.169	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	-4.169	-4.169	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	-4.169	-4.169	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-4.169	-4.169	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-4.169	-4.169	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	-4.169	-4.169	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	-4.169	-4.169	0	%100
109	M104	X	0	0	0	%100
110	M104	Z	-3.348	-3.348	0	%100
111	M105	X	0	0	0	%100
112	M105	Z	-4.752	-4.752	0	%100
113	M106	X	0	0	0	%100
114	M106	Z	-1.188	-1.188	0	%100
115	M107	X	0	0	0	%100
116	M107	Z	-1.188	-1.188	0	%100
117	M114	X	0	0	0	%100
118	M114	Z	-1.199	-1.199	0	%100
119	M115	X	0	0	0	%100
120	M115	Z	-1.199	-1.199	0	%100
121	M116	X	0	0	0	%100
122	M116	Z	-4.797	-4.797	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	.614	.614	0	%100
2	M4	Z	-1.064	-1.064	0	%100
3	M10	X	1.711	1.711	0	%100
4	M10	Z	-2.964	-2.964	0	%100
5	M43	X	1.711	1.711	0	%100
6	M43	Z	-2.964	-2.964	0	%100
7	M46	X	2.269	2.269	0	%100
8	M46	Z	-3.931	-3.931	0	%100
9	M51B	X	1.717	1.717	0	%100
10	M51B	Z	-2.974	-2.974	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.75	.75	0	%100
14	M76	Z	-1.299	-1.299	0	%100
15	M77	X	2.281	2.281	0	%100
16	M77	Z	-3.952	-3.952	0	%100
17	M80	X	2.374	2.374	0	%100
18	M80	Z	-4.113	-4.113	0	%100
19	M84	X	.75	.75	0	%100
20	M84	Z	-1.299	-1.299	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.614	.614	0	%100
26	M25	Z	-1.064	-1.064	0	%100
27	M26	X	1.711	1.711	0	%100
28	M26	Z	-2.964	-2.964	0	%100
29	M27	X	1.711	1.711	0	%100
30	M27	Z	-2.964	-2.964	0	%100
31	M28	X	2.269	2.269	0	%100
32	M28	Z	-3.931	-3.931	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	1.717	1.717	0	%100
36	M32	Z	-2.974	-2.974	0	%100
37	M36	X	.75	.75	0	%100
38	M36	Z	-1.299	-1.299	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.75	.75	0	%100
44	M41	Z	-1.299	-1.299	0	%100
45	M42	X	2.281	2.281	0	%100
46	M42	Z	-3.952	-3.952	0	%100
47	M44	X	2.374	2.374	0	%100
48	M44	Z	-4.113	-4.113	0	%100
49	M49	X	2.458	2.458	0	%100
50	M49	Z	-4.257	-4.257	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	1.717	1.717	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
58	M55	Z	-2.974	-2.974	0	%100
59	M56	X	1.717	1.717	0	%100
60	M56	Z	-2.974	-2.974	0	%100
61	M60	X	3	3	0	%100
62	M60	Z	-5.197	-5.197	0	%100
63	M61	X	2.281	2.281	0	%100
64	M61	Z	-3.952	-3.952	0	%100
65	M63	X	2.374	2.374	0	%100
66	M63	Z	-4.113	-4.113	0	%100
67	M65	X	3	3	0	%100
68	M65	Z	-5.197	-5.197	0	%100
69	M66	X	2.281	2.281	0	%100
70	M66	Z	-3.952	-3.952	0	%100
71	M68	X	2.374	2.374	0	%100
72	M68	Z	-4.113	-4.113	0	%100
73	M73	X	1.957	1.957	0	%100
74	M73	Z	-3.39	-3.39	0	%100
75	M74	X	1.957	1.957	0	%100
76	M74	Z	-3.39	-3.39	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	M76A	X	1.22	1.22	0	%100
80	M76A	Z	-2.114	-2.114	0	%100
81	M77A	X	2.569	2.569	0	%100
82	M77A	Z	-4.45	-4.45	0	%100
83	M78	X	1.22	1.22	0	%100
84	M78	Z	-2.114	-2.114	0	%100
85	MP1A	X	2.084	2.084	0	%100
86	MP1A	Z	-3.61	-3.61	0	%100
87	MP2A	X	2.084	2.084	0	%100
88	MP2A	Z	-3.61	-3.61	0	%100
89	MP3A	X	2.084	2.084	0	%100
90	MP3A	Z	-3.61	-3.61	0	%100
91	MP4A	X	2.084	2.084	0	%100
92	MP4A	Z	-3.61	-3.61	0	%100
93	MP1C	X	2.084	2.084	0	%100
94	MP1C	Z	-3.61	-3.61	0	%100
95	MP2C	X	2.084	2.084	0	%100
96	MP2C	Z	-3.61	-3.61	0	%100
97	MP3C	X	2.084	2.084	0	%100
98	MP3C	Z	-3.61	-3.61	0	%100
99	MP4C	X	2.084	2.084	0	%100
100	MP4C	Z	-3.61	-3.61	0	%100
101	MP1B	X	2.084	2.084	0	%100
102	MP1B	Z	-3.61	-3.61	0	%100
103	MP2B	X	2.084	2.084	0	%100
104	MP2B	Z	-3.61	-3.61	0	%100
105	MP3B	X	2.084	2.084	0	%100
106	MP3B	Z	-3.61	-3.61	0	%100
107	MP4B	X	2.084	2.084	0	%100
108	MP4B	Z	-3.61	-3.61	0	%100
109	M104	X	1.674	1.674	0	%100
110	M104	Z	-2.899	-2.899	0	%100
111	M105	X	1.782	1.782	0	%100
112	M105	Z	-3.087	-3.087	0	%100
113	M106	X	1.782	1.782	0	%100
114	M106	Z	-3.087	-3.087	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M107	X	0	0	0	%100
116	M107	Z	0	0	0	%100
117	M114	X	1.799	1.799	0	%100
118	M114	Z	-3.116	-3.116	0	%100
119	M115	X	0	0	0	%100
120	M115	Z	0	0	0	%100
121	M116	X	1.799	1.799	0	%100
122	M116	Z	-3.116	-3.116	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	3.193	3.193	0	%100
2	M4	Z	-1.843	-1.843	0	%100
3	M10	X	.988	.988	0	%100
4	M10	Z	-.57	-.57	0	%100
5	M43	X	.988	.988	0	%100
6	M43	Z	-.57	-.57	0	%100
7	M46	X	1.31	1.31	0	%100
8	M46	Z	-.756	-.756	0	%100
9	M51B	X	3.965	3.965	0	%100
10	M51B	Z	-2.289	-2.289	0	%100
11	M52B	X	.991	.991	0	%100
12	M52B	Z	-.572	-.572	0	%100
13	M76	X	3.898	3.898	0	%100
14	M76	Z	-2.25	-2.25	0	%100
15	M77	X	5.269	5.269	0	%100
16	M77	Z	-3.042	-3.042	0	%100
17	M80	X	5.483	5.483	0	%100
18	M80	Z	-3.166	-3.166	0	%100
19	M84	X	3.898	3.898	0	%100
20	M84	Z	-2.25	-2.25	0	%100
21	M85	X	1.317	1.317	0	%100
22	M85	Z	-.76	-.76	0	%100
23	M91	X	1.371	1.371	0	%100
24	M91	Z	-.791	-.791	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	3.952	3.952	0	%100
28	M26	Z	-2.281	-2.281	0	%100
29	M27	X	3.952	3.952	0	%100
30	M27	Z	-2.281	-2.281	0	%100
31	M28	X	5.241	5.241	0	%100
32	M28	Z	-3.026	-3.026	0	%100
33	M31	X	.991	.991	0	%100
34	M31	Z	-.572	-.572	0	%100
35	M32	X	.991	.991	0	%100
36	M32	Z	-.572	-.572	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	1.317	1.317	0	%100
40	M37	Z	-.76	-.76	0	%100
41	M39	X	1.371	1.371	0	%100
42	M39	Z	-.791	-.791	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	1.317	1.317	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
46	M42	Z	-.76	-.76	0	%100
47	M44	X	1.371	1.371	0	%100
48	M44	Z	-.791	-.791	0	%100
49	M49	X	3.193	3.193	0	%100
50	M49	Z	-1.843	-1.843	0	%100
51	M50A	X	.988	.988	0	%100
52	M50A	Z	-.57	-.57	0	%100
53	M51C	X	.988	.988	0	%100
54	M51C	Z	-.57	-.57	0	%100
55	M52A	X	1.31	1.31	0	%100
56	M52A	Z	-.756	-.756	0	%100
57	M55	X	.991	.991	0	%100
58	M55	Z	-.572	-.572	0	%100
59	M56	X	3.965	3.965	0	%100
60	M56	Z	-2.289	-2.289	0	%100
61	M60	X	3.898	3.898	0	%100
62	M60	Z	-2.25	-2.25	0	%100
63	M61	X	1.317	1.317	0	%100
64	M61	Z	-.76	-.76	0	%100
65	M63	X	1.371	1.371	0	%100
66	M63	Z	-.791	-.791	0	%100
67	M65	X	3.898	3.898	0	%100
68	M65	Z	-2.25	-2.25	0	%100
69	M66	X	5.269	5.269	0	%100
70	M66	Z	-3.042	-3.042	0	%100
71	M68	X	5.483	5.483	0	%100
72	M68	Z	-3.166	-3.166	0	%100
73	M73	X	1.13	1.13	0	%100
74	M73	Z	-.652	-.652	0	%100
75	M74	X	4.52	4.52	0	%100
76	M74	Z	-2.61	-2.61	0	%100
77	M75	X	1.13	1.13	0	%100
78	M75	Z	-.652	-.652	0	%100
79	M76A	X	1.335	1.335	0	%100
80	M76A	Z	-.771	-.771	0	%100
81	M77A	X	3.671	3.671	0	%100
82	M77A	Z	-2.119	-2.119	0	%100
83	M78	X	3.671	3.671	0	%100
84	M78	Z	-2.119	-2.119	0	%100
85	MP1A	X	3.61	3.61	0	%100
86	MP1A	Z	-2.084	-2.084	0	%100
87	MP2A	X	3.61	3.61	0	%100
88	MP2A	Z	-2.084	-2.084	0	%100
89	MP3A	X	3.61	3.61	0	%100
90	MP3A	Z	-2.084	-2.084	0	%100
91	MP4A	X	3.61	3.61	0	%100
92	MP4A	Z	-2.084	-2.084	0	%100
93	MP1C	X	3.61	3.61	0	%100
94	MP1C	Z	-2.084	-2.084	0	%100
95	MP2C	X	3.61	3.61	0	%100
96	MP2C	Z	-2.084	-2.084	0	%100
97	MP3C	X	3.61	3.61	0	%100
98	MP3C	Z	-2.084	-2.084	0	%100
99	MP4C	X	3.61	3.61	0	%100
100	MP4C	Z	-2.084	-2.084	0	%100
101	MP1B	X	3.61	3.61	0	%100
102	MP1B	Z	-2.084	-2.084	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
103	MP2B	X	3.61	3.61	0	%100
104	MP2B	Z	-2.084	-2.084	0	%100
105	MP3B	X	3.61	3.61	0	%100
106	MP3B	Z	-2.084	-2.084	0	%100
107	MP4B	X	3.61	3.61	0	%100
108	MP4B	Z	-2.084	-2.084	0	%100
109	M104	X	2.899	2.899	0	%100
110	M104	Z	-1.674	-1.674	0	%100
111	M105	X	1.029	1.029	0	%100
112	M105	Z	-.594	-.594	0	%100
113	M106	X	4.116	4.116	0	%100
114	M106	Z	-2.376	-2.376	0	%100
115	M107	X	1.029	1.029	0	%100
116	M107	Z	-.594	-.594	0	%100
117	M114	X	4.154	4.154	0	%100
118	M114	Z	-2.398	-2.398	0	%100
119	M115	X	1.039	1.039	0	%100
120	M115	Z	-.6	-.6	0	%100
121	M116	X	1.039	1.039	0	%100
122	M116	Z	-.6	-.6	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	4.915	4.915	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	3.434	3.434	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	3.434	3.434	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	6.001	6.001	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	4.563	4.563	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	4.749	4.749	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	6.001	6.001	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	4.563	4.563	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	4.749	4.749	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	1.229	1.229	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	3.422	3.422	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	3.422	3.422	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	4.539	4.539	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	3.434	3.434	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	1.5	1.5	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	4.563	4.563	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	4.749	4.749	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	1.5	1.5	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	1.229	1.229	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	3.422	3.422	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	3.422	3.422	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	4.539	4.539	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	3.434	3.434	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	1.5	1.5	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	1.5	1.5	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	4.563	4.563	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	4.749	4.749	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	3.914	3.914	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	3.914	3.914	0	%100
78	M75	Z	0	0	0	%100
79	M76A	X	2.441	2.441	0	%100
80	M76A	Z	0	0	0	%100
81	M77A	X	2.441	2.441	0	%100
82	M77A	Z	0	0	0	%100
83	M78	X	5.138	5.138	0	%100
84	M78	Z	0	0	0	%100
85	MP1A	X	4.169	4.169	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	4.169	4.169	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	4.169	4.169	0	%100
90	MP3A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
91	MP4A	X	4.169	4.169	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	4.169	4.169	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	4.169	4.169	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	4.169	4.169	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	4.169	4.169	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	4.169	4.169	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	4.169	4.169	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	4.169	4.169	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	4.169	4.169	0	%100
108	MP4B	Z	0	0	0	%100
109	M104	X	3.348	3.348	0	%100
110	M104	Z	0	0	0	%100
111	M105	X	0	0	0	%100
112	M105	Z	0	0	0	%100
113	M106	X	3.564	3.564	0	%100
114	M106	Z	0	0	0	%100
115	M107	X	3.564	3.564	0	%100
116	M107	Z	0	0	0	%100
117	M114	X	3.598	3.598	0	%100
118	M114	Z	0	0	0	%100
119	M115	X	3.598	3.598	0	%100
120	M115	Z	0	0	0	%100
121	M116	X	0	0	0	%100
122	M116	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	3.193	3.193	0	%100
2	M4	Z	1.843	1.843	0	%100
3	M10	X	.988	.988	0	%100
4	M10	Z	.57	.57	0	%100
5	M43	X	.988	.988	0	%100
6	M43	Z	.57	.57	0	%100
7	M46	X	1.31	1.31	0	%100
8	M46	Z	.756	.756	0	%100
9	M51B	X	.991	.991	0	%100
10	M51B	Z	.572	.572	0	%100
11	M52B	X	3.965	3.965	0	%100
12	M52B	Z	2.289	2.289	0	%100
13	M76	X	3.898	3.898	0	%100
14	M76	Z	2.25	2.25	0	%100
15	M77	X	1.317	1.317	0	%100
16	M77	Z	.76	.76	0	%100
17	M80	X	1.371	1.371	0	%100
18	M80	Z	.791	.791	0	%100
19	M84	X	3.898	3.898	0	%100
20	M84	Z	2.25	2.25	0	%100
21	M85	X	5.269	5.269	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
22	M85	Z	3.042	3.042	0	%100
23	M91	X	5.483	5.483	0	%100
24	M91	Z	3.166	3.166	0	%100
25	M25	X	3.193	3.193	0	%100
26	M25	Z	1.843	1.843	0	%100
27	M26	X	.988	.988	0	%100
28	M26	Z	.57	.57	0	%100
29	M27	X	.988	.988	0	%100
30	M27	Z	.57	.57	0	%100
31	M28	X	1.31	1.31	0	%100
32	M28	Z	.756	.756	0	%100
33	M31	X	3.965	3.965	0	%100
34	M31	Z	2.289	2.289	0	%100
35	M32	X	.991	.991	0	%100
36	M32	Z	.572	.572	0	%100
37	M36	X	3.898	3.898	0	%100
38	M36	Z	2.25	2.25	0	%100
39	M37	X	5.269	5.269	0	%100
40	M37	Z	3.042	3.042	0	%100
41	M39	X	5.483	5.483	0	%100
42	M39	Z	3.166	3.166	0	%100
43	M41	X	3.898	3.898	0	%100
44	M41	Z	2.25	2.25	0	%100
45	M42	X	1.317	1.317	0	%100
46	M42	Z	.76	.76	0	%100
47	M44	X	1.371	1.371	0	%100
48	M44	Z	.791	.791	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	3.952	3.952	0	%100
52	M50A	Z	2.281	2.281	0	%100
53	M51C	X	3.952	3.952	0	%100
54	M51C	Z	2.281	2.281	0	%100
55	M52A	X	5.241	5.241	0	%100
56	M52A	Z	3.026	3.026	0	%100
57	M55	X	.991	.991	0	%100
58	M55	Z	.572	.572	0	%100
59	M56	X	.991	.991	0	%100
60	M56	Z	.572	.572	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	1.317	1.317	0	%100
64	M61	Z	.76	.76	0	%100
65	M63	X	1.371	1.371	0	%100
66	M63	Z	.791	.791	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	1.317	1.317	0	%100
70	M66	Z	.76	.76	0	%100
71	M68	X	1.371	1.371	0	%100
72	M68	Z	.791	.791	0	%100
73	M73	X	1.13	1.13	0	%100
74	M73	Z	.652	.652	0	%100
75	M74	X	1.13	1.13	0	%100
76	M74	Z	.652	.652	0	%100
77	M75	X	4.52	4.52	0	%100
78	M75	Z	2.61	2.61	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
79	M76A	X	3.671	3.671	0	%100
80	M76A	Z	2.119	2.119	0	%100
81	M77A	X	1.335	1.335	0	%100
82	M77A	Z	.771	.771	0	%100
83	M78	X	3.671	3.671	0	%100
84	M78	Z	2.119	2.119	0	%100
85	MP1A	X	3.61	3.61	0	%100
86	MP1A	Z	2.084	2.084	0	%100
87	MP2A	X	3.61	3.61	0	%100
88	MP2A	Z	2.084	2.084	0	%100
89	MP3A	X	3.61	3.61	0	%100
90	MP3A	Z	2.084	2.084	0	%100
91	MP4A	X	3.61	3.61	0	%100
92	MP4A	Z	2.084	2.084	0	%100
93	MP1C	X	3.61	3.61	0	%100
94	MP1C	Z	2.084	2.084	0	%100
95	MP2C	X	3.61	3.61	0	%100
96	MP2C	Z	2.084	2.084	0	%100
97	MP3C	X	3.61	3.61	0	%100
98	MP3C	Z	2.084	2.084	0	%100
99	MP4C	X	3.61	3.61	0	%100
100	MP4C	Z	2.084	2.084	0	%100
101	MP1B	X	3.61	3.61	0	%100
102	MP1B	Z	2.084	2.084	0	%100
103	MP2B	X	3.61	3.61	0	%100
104	MP2B	Z	2.084	2.084	0	%100
105	MP3B	X	3.61	3.61	0	%100
106	MP3B	Z	2.084	2.084	0	%100
107	MP4B	X	3.61	3.61	0	%100
108	MP4B	Z	2.084	2.084	0	%100
109	M104	X	2.899	2.899	0	%100
110	M104	Z	1.674	1.674	0	%100
111	M105	X	1.029	1.029	0	%100
112	M105	Z	.594	.594	0	%100
113	M106	X	1.029	1.029	0	%100
114	M106	Z	.594	.594	0	%100
115	M107	X	4.116	4.116	0	%100
116	M107	Z	2.376	2.376	0	%100
117	M114	X	1.039	1.039	0	%100
118	M114	Z	.6	.6	0	%100
119	M115	X	4.154	4.154	0	%100
120	M115	Z	2.398	2.398	0	%100
121	M116	X	1.039	1.039	0	%100
122	M116	Z	.6	.6	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.614	.614	0	%100
2	M4	Z	1.064	1.064	0	%100
3	M10	X	1.711	1.711	0	%100
4	M10	Z	2.964	2.964	0	%100
5	M43	X	1.711	1.711	0	%100
6	M43	Z	2.964	2.964	0	%100
7	M46	X	2.269	2.269	0	%100
8	M46	Z	3.931	3.931	0	%100
9	M51B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
10	M51B	Z	0	0	0	%100
11	M52B	X	1.717	1.717	0	%100
12	M52B	Z	2.974	2.974	0	%100
13	M76	X	.75	.75	0	%100
14	M76	Z	1.299	1.299	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	.75	.75	0	%100
20	M84	Z	1.299	1.299	0	%100
21	M85	X	2.281	2.281	0	%100
22	M85	Z	3.952	3.952	0	%100
23	M91	X	2.374	2.374	0	%100
24	M91	Z	4.113	4.113	0	%100
25	M25	X	2.458	2.458	0	%100
26	M25	Z	4.257	4.257	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	1.717	1.717	0	%100
34	M31	Z	2.974	2.974	0	%100
35	M32	X	1.717	1.717	0	%100
36	M32	Z	2.974	2.974	0	%100
37	M36	X	3	3	0	%100
38	M36	Z	5.197	5.197	0	%100
39	M37	X	2.281	2.281	0	%100
40	M37	Z	3.952	3.952	0	%100
41	M39	X	2.374	2.374	0	%100
42	M39	Z	4.113	4.113	0	%100
43	M41	X	3	3	0	%100
44	M41	Z	5.197	5.197	0	%100
45	M42	X	2.281	2.281	0	%100
46	M42	Z	3.952	3.952	0	%100
47	M44	X	2.374	2.374	0	%100
48	M44	Z	4.113	4.113	0	%100
49	M49	X	.614	.614	0	%100
50	M49	Z	1.064	1.064	0	%100
51	M50A	X	1.711	1.711	0	%100
52	M50A	Z	2.964	2.964	0	%100
53	M51C	X	1.711	1.711	0	%100
54	M51C	Z	2.964	2.964	0	%100
55	M52A	X	2.269	2.269	0	%100
56	M52A	Z	3.931	3.931	0	%100
57	M55	X	1.717	1.717	0	%100
58	M55	Z	2.974	2.974	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	.75	.75	0	%100
62	M60	Z	1.299	1.299	0	%100
63	M61	X	2.281	2.281	0	%100
64	M61	Z	3.952	3.952	0	%100
65	M63	X	2.374	2.374	0	%100
66	M63	Z	4.113	4.113	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
67	M65	X	.75	.75	0	%100
68	M65	Z	1.299	1.299	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	1.957	1.957	0	%100
74	M73	Z	3.39	3.39	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	1.957	1.957	0	%100
78	M75	Z	3.39	3.39	0	%100
79	M76A	X	2.569	2.569	0	%100
80	M76A	Z	4.45	4.45	0	%100
81	M77A	X	1.22	1.22	0	%100
82	M77A	Z	2.114	2.114	0	%100
83	M78	X	1.22	1.22	0	%100
84	M78	Z	2.114	2.114	0	%100
85	MP1A	X	2.084	2.084	0	%100
86	MP1A	Z	3.61	3.61	0	%100
87	MP2A	X	2.084	2.084	0	%100
88	MP2A	Z	3.61	3.61	0	%100
89	MP3A	X	2.084	2.084	0	%100
90	MP3A	Z	3.61	3.61	0	%100
91	MP4A	X	2.084	2.084	0	%100
92	MP4A	Z	3.61	3.61	0	%100
93	MP1C	X	2.084	2.084	0	%100
94	MP1C	Z	3.61	3.61	0	%100
95	MP2C	X	2.084	2.084	0	%100
96	MP2C	Z	3.61	3.61	0	%100
97	MP3C	X	2.084	2.084	0	%100
98	MP3C	Z	3.61	3.61	0	%100
99	MP4C	X	2.084	2.084	0	%100
100	MP4C	Z	3.61	3.61	0	%100
101	MP1B	X	2.084	2.084	0	%100
102	MP1B	Z	3.61	3.61	0	%100
103	MP2B	X	2.084	2.084	0	%100
104	MP2B	Z	3.61	3.61	0	%100
105	MP3B	X	2.084	2.084	0	%100
106	MP3B	Z	3.61	3.61	0	%100
107	MP4B	X	2.084	2.084	0	%100
108	MP4B	Z	3.61	3.61	0	%100
109	M104	X	1.674	1.674	0	%100
110	M104	Z	2.899	2.899	0	%100
111	M105	X	1.782	1.782	0	%100
112	M105	Z	3.087	3.087	0	%100
113	M106	X	0	0	0	%100
114	M106	Z	0	0	0	%100
115	M107	X	1.782	1.782	0	%100
116	M107	Z	3.087	3.087	0	%100
117	M114	X	0	0	0	%100
118	M114	Z	0	0	0	%100
119	M115	X	1.799	1.799	0	%100
120	M115	Z	3.116	3.116	0	%100
121	M116	X	1.799	1.799	0	%100
122	M116	Z	3.116	3.116	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	4.563	4.563	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	4.563	4.563	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	6.052	6.052	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	1.145	1.145	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	1.145	1.145	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	1.521	1.521	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	1.583	1.583	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	1.521	1.521	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	1.583	1.583	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	3.686	3.686	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	1.141	1.141	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	1.141	1.141	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	1.513	1.513	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	1.145	1.145	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	4.578	4.578	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	4.501	4.501	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	1.521	1.521	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	1.583	1.583	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	4.501	4.501	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	6.084	6.084	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	6.332	6.332	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	3.686	3.686	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	1.141	1.141	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	1.141	1.141	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	1.513	1.513	0	%100
57	M55	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	M55	Z	4.578	4.578	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	1.145	1.145	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	4.501	4.501	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	6.084	6.084	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	6.332	6.332	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	4.501	4.501	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	1.521	1.521	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	1.583	1.583	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	5.219	5.219	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	1.305	1.305	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	1.305	1.305	0	%100
79	M76A	X	0	0	0	%100
80	M76A	Z	4.239	4.239	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	4.239	4.239	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	1.542	1.542	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	4.169	4.169	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	4.169	4.169	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	4.169	4.169	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	4.169	4.169	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	4.169	4.169	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	4.169	4.169	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	4.169	4.169	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	4.169	4.169	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	4.169	4.169	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	4.169	4.169	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	4.169	4.169	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	4.169	4.169	0	%100
109	M104	X	0	0	0	%100
110	M104	Z	3.348	3.348	0	%100
111	M105	X	0	0	0	%100
112	M105	Z	4.752	4.752	0	%100
113	M106	X	0	0	0	%100
114	M106	Z	1.188	1.188	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M107	X	0	0	0	%100
116	M107	Z	1.188	1.188	0	%100
117	M114	X	0	0	0	%100
118	M114	Z	1.199	1.199	0	%100
119	M115	X	0	0	0	%100
120	M115	Z	1.199	1.199	0	%100
121	M116	X	0	0	0	%100
122	M116	Z	4.797	4.797	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-6.14	-6.14	0	%100
2	M4	Z	1.064	1.064	0	%100
3	M10	X	-1.711	-1.711	0	%100
4	M10	Z	2.964	2.964	0	%100
5	M43	X	-1.711	-1.711	0	%100
6	M43	Z	2.964	2.964	0	%100
7	M46	X	-2.269	-2.269	0	%100
8	M46	Z	3.931	3.931	0	%100
9	M51B	X	-1.717	-1.717	0	%100
10	M51B	Z	2.974	2.974	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.75	-.75	0	%100
14	M76	Z	1.299	1.299	0	%100
15	M77	X	-2.281	-2.281	0	%100
16	M77	Z	3.952	3.952	0	%100
17	M80	X	-2.374	-2.374	0	%100
18	M80	Z	4.113	4.113	0	%100
19	M84	X	-.75	-.75	0	%100
20	M84	Z	1.299	1.299	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-6.14	-6.14	0	%100
26	M25	Z	1.064	1.064	0	%100
27	M26	X	-1.711	-1.711	0	%100
28	M26	Z	2.964	2.964	0	%100
29	M27	X	-1.711	-1.711	0	%100
30	M27	Z	2.964	2.964	0	%100
31	M28	X	-2.269	-2.269	0	%100
32	M28	Z	3.931	3.931	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-1.717	-1.717	0	%100
36	M32	Z	2.974	2.974	0	%100
37	M36	X	-.75	-.75	0	%100
38	M36	Z	1.299	1.299	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.75	-.75	0	%100
44	M41	Z	1.299	1.299	0	%100
45	M42	X	-2.281	-2.281	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
46	M42	Z	3.952	3.952	0	%100
47	M44	X	-2.374	-2.374	0	%100
48	M44	Z	4.113	4.113	0	%100
49	M49	X	-2.458	-2.458	0	%100
50	M49	Z	4.257	4.257	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	-1.717	-1.717	0	%100
58	M55	Z	2.974	2.974	0	%100
59	M56	X	-1.717	-1.717	0	%100
60	M56	Z	2.974	2.974	0	%100
61	M60	X	-3	-3	0	%100
62	M60	Z	5.197	5.197	0	%100
63	M61	X	-2.281	-2.281	0	%100
64	M61	Z	3.952	3.952	0	%100
65	M63	X	-2.374	-2.374	0	%100
66	M63	Z	4.113	4.113	0	%100
67	M65	X	-3	-3	0	%100
68	M65	Z	5.197	5.197	0	%100
69	M66	X	-2.281	-2.281	0	%100
70	M66	Z	3.952	3.952	0	%100
71	M68	X	-2.374	-2.374	0	%100
72	M68	Z	4.113	4.113	0	%100
73	M73	X	-1.957	-1.957	0	%100
74	M73	Z	3.39	3.39	0	%100
75	M74	X	-1.957	-1.957	0	%100
76	M74	Z	3.39	3.39	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	M76A	X	-1.22	-1.22	0	%100
80	M76A	Z	2.114	2.114	0	%100
81	M77A	X	-2.569	-2.569	0	%100
82	M77A	Z	4.45	4.45	0	%100
83	M78	X	-1.22	-1.22	0	%100
84	M78	Z	2.114	2.114	0	%100
85	MP1A	X	-2.084	-2.084	0	%100
86	MP1A	Z	3.61	3.61	0	%100
87	MP2A	X	-2.084	-2.084	0	%100
88	MP2A	Z	3.61	3.61	0	%100
89	MP3A	X	-2.084	-2.084	0	%100
90	MP3A	Z	3.61	3.61	0	%100
91	MP4A	X	-2.084	-2.084	0	%100
92	MP4A	Z	3.61	3.61	0	%100
93	MP1C	X	-2.084	-2.084	0	%100
94	MP1C	Z	3.61	3.61	0	%100
95	MP2C	X	-2.084	-2.084	0	%100
96	MP2C	Z	3.61	3.61	0	%100
97	MP3C	X	-2.084	-2.084	0	%100
98	MP3C	Z	3.61	3.61	0	%100
99	MP4C	X	-2.084	-2.084	0	%100
100	MP4C	Z	3.61	3.61	0	%100
101	MP1B	X	-2.084	-2.084	0	%100
102	MP1B	Z	3.61	3.61	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
103	MP2B	X	-2.084	-2.084	0	%100
104	MP2B	Z	3.61	3.61	0	%100
105	MP3B	X	-2.084	-2.084	0	%100
106	MP3B	Z	3.61	3.61	0	%100
107	MP4B	X	-2.084	-2.084	0	%100
108	MP4B	Z	3.61	3.61	0	%100
109	M104	X	-1.674	-1.674	0	%100
110	M104	Z	2.899	2.899	0	%100
111	M105	X	-1.782	-1.782	0	%100
112	M105	Z	3.087	3.087	0	%100
113	M106	X	-1.782	-1.782	0	%100
114	M106	Z	3.087	3.087	0	%100
115	M107	X	0	0	0	%100
116	M107	Z	0	0	0	%100
117	M114	X	-1.799	-1.799	0	%100
118	M114	Z	3.116	3.116	0	%100
119	M115	X	0	0	0	%100
120	M115	Z	0	0	0	%100
121	M116	X	-1.799	-1.799	0	%100
122	M116	Z	3.116	3.116	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-3.193	-3.193	0	%100
2	M4	Z	1.843	1.843	0	%100
3	M10	X	-.988	-.988	0	%100
4	M10	Z	.57	.57	0	%100
5	M43	X	-.988	-.988	0	%100
6	M43	Z	.57	.57	0	%100
7	M46	X	-1.31	-1.31	0	%100
8	M46	Z	.756	.756	0	%100
9	M51B	X	-3.965	-3.965	0	%100
10	M51B	Z	2.289	2.289	0	%100
11	M52B	X	-.991	-.991	0	%100
12	M52B	Z	.572	.572	0	%100
13	M76	X	-3.898	-3.898	0	%100
14	M76	Z	2.25	2.25	0	%100
15	M77	X	-5.269	-5.269	0	%100
16	M77	Z	3.042	3.042	0	%100
17	M80	X	-5.483	-5.483	0	%100
18	M80	Z	3.166	3.166	0	%100
19	M84	X	-3.898	-3.898	0	%100
20	M84	Z	2.25	2.25	0	%100
21	M85	X	-1.317	-1.317	0	%100
22	M85	Z	.76	.76	0	%100
23	M91	X	-1.371	-1.371	0	%100
24	M91	Z	.791	.791	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-3.952	-3.952	0	%100
28	M26	Z	2.281	2.281	0	%100
29	M27	X	-3.952	-3.952	0	%100
30	M27	Z	2.281	2.281	0	%100
31	M28	X	-5.241	-5.241	0	%100
32	M28	Z	3.026	3.026	0	%100
33	M31	X	-.991	-.991	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
34	M31	Z	.572	.572	0	%100
35	M32	X	-.991	-.991	0	%100
36	M32	Z	.572	.572	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-1.317	-1.317	0	%100
40	M37	Z	.76	.76	0	%100
41	M39	X	-1.371	-1.371	0	%100
42	M39	Z	.791	.791	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-1.317	-1.317	0	%100
46	M42	Z	.76	.76	0	%100
47	M44	X	-1.371	-1.371	0	%100
48	M44	Z	.791	.791	0	%100
49	M49	X	-3.193	-3.193	0	%100
50	M49	Z	1.843	1.843	0	%100
51	M50A	X	-.988	-.988	0	%100
52	M50A	Z	.57	.57	0	%100
53	M51C	X	-.988	-.988	0	%100
54	M51C	Z	.57	.57	0	%100
55	M52A	X	-1.31	-1.31	0	%100
56	M52A	Z	.756	.756	0	%100
57	M55	X	-.991	-.991	0	%100
58	M55	Z	.572	.572	0	%100
59	M56	X	-3.965	-3.965	0	%100
60	M56	Z	2.289	2.289	0	%100
61	M60	X	-3.898	-3.898	0	%100
62	M60	Z	2.25	2.25	0	%100
63	M61	X	-1.317	-1.317	0	%100
64	M61	Z	.76	.76	0	%100
65	M63	X	-1.371	-1.371	0	%100
66	M63	Z	.791	.791	0	%100
67	M65	X	-3.898	-3.898	0	%100
68	M65	Z	2.25	2.25	0	%100
69	M66	X	-5.269	-5.269	0	%100
70	M66	Z	3.042	3.042	0	%100
71	M68	X	-5.483	-5.483	0	%100
72	M68	Z	3.166	3.166	0	%100
73	M73	X	-1.13	-1.13	0	%100
74	M73	Z	.652	.652	0	%100
75	M74	X	-4.52	-4.52	0	%100
76	M74	Z	2.61	2.61	0	%100
77	M75	X	-1.13	-1.13	0	%100
78	M75	Z	.652	.652	0	%100
79	M76A	X	-1.335	-1.335	0	%100
80	M76A	Z	.771	.771	0	%100
81	M77A	X	-3.671	-3.671	0	%100
82	M77A	Z	2.119	2.119	0	%100
83	M78	X	-3.671	-3.671	0	%100
84	M78	Z	2.119	2.119	0	%100
85	MP1A	X	-3.61	-3.61	0	%100
86	MP1A	Z	2.084	2.084	0	%100
87	MP2A	X	-3.61	-3.61	0	%100
88	MP2A	Z	2.084	2.084	0	%100
89	MP3A	X	-3.61	-3.61	0	%100
90	MP3A	Z	2.084	2.084	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	MP4A	X	-3.61	-3.61	0	%100
92	MP4A	Z	2.084	2.084	0	%100
93	MP1C	X	-3.61	-3.61	0	%100
94	MP1C	Z	2.084	2.084	0	%100
95	MP2C	X	-3.61	-3.61	0	%100
96	MP2C	Z	2.084	2.084	0	%100
97	MP3C	X	-3.61	-3.61	0	%100
98	MP3C	Z	2.084	2.084	0	%100
99	MP4C	X	-3.61	-3.61	0	%100
100	MP4C	Z	2.084	2.084	0	%100
101	MP1B	X	-3.61	-3.61	0	%100
102	MP1B	Z	2.084	2.084	0	%100
103	MP2B	X	-3.61	-3.61	0	%100
104	MP2B	Z	2.084	2.084	0	%100
105	MP3B	X	-3.61	-3.61	0	%100
106	MP3B	Z	2.084	2.084	0	%100
107	MP4B	X	-3.61	-3.61	0	%100
108	MP4B	Z	2.084	2.084	0	%100
109	M104	X	-2.899	-2.899	0	%100
110	M104	Z	1.674	1.674	0	%100
111	M105	X	-1.029	-1.029	0	%100
112	M105	Z	.594	.594	0	%100
113	M106	X	-4.116	-4.116	0	%100
114	M106	Z	2.376	2.376	0	%100
115	M107	X	-1.029	-1.029	0	%100
116	M107	Z	.594	.594	0	%100
117	M114	X	-4.154	-4.154	0	%100
118	M114	Z	2.398	2.398	0	%100
119	M115	X	-1.039	-1.039	0	%100
120	M115	Z	.6	.6	0	%100
121	M116	X	-1.039	-1.039	0	%100
122	M116	Z	.6	.6	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-4.915	-4.915	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-3.434	-3.434	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-3.434	-3.434	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-6.001	-6.001	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-4.563	-4.563	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-4.749	-4.749	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-6.001	-6.001	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-4.563	-4.563	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
22	M85	Z	0	0	0	%100
23	M91	X	-4.749	-4.749	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-1.229	-1.229	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-3.422	-3.422	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-3.422	-3.422	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-4.539	-4.539	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-3.434	-3.434	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-1.5	-1.5	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-4.563	-4.563	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-4.749	-4.749	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-1.5	-1.5	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-1.229	-1.229	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-3.422	-3.422	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-3.422	-3.422	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-4.539	-4.539	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-3.434	-3.434	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-1.5	-1.5	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-1.5	-1.5	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-4.563	-4.563	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-4.749	-4.749	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-3.914	-3.914	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-3.914	-3.914	0	%100
78	M75	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
79	M76A	X	-2.441	-2.441	0	%100
80	M76A	Z	0	0	0	%100
81	M77A	X	-2.441	-2.441	0	%100
82	M77A	Z	0	0	0	%100
83	M78	X	-5.138	-5.138	0	%100
84	M78	Z	0	0	0	%100
85	MP1A	X	-4.169	-4.169	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	-4.169	-4.169	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	-4.169	-4.169	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	-4.169	-4.169	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	-4.169	-4.169	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	-4.169	-4.169	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	-4.169	-4.169	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	-4.169	-4.169	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	-4.169	-4.169	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	-4.169	-4.169	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	-4.169	-4.169	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	-4.169	-4.169	0	%100
108	MP4B	Z	0	0	0	%100
109	M104	X	-3.348	-3.348	0	%100
110	M104	Z	0	0	0	%100
111	M105	X	0	0	0	%100
112	M105	Z	0	0	0	%100
113	M106	X	-3.564	-3.564	0	%100
114	M106	Z	0	0	0	%100
115	M107	X	-3.564	-3.564	0	%100
116	M107	Z	0	0	0	%100
117	M114	X	-3.598	-3.598	0	%100
118	M114	Z	0	0	0	%100
119	M115	X	-3.598	-3.598	0	%100
120	M115	Z	0	0	0	%100
121	M116	X	0	0	0	%100
122	M116	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-3.193	-3.193	0	%100
2	M4	Z	-1.843	-1.843	0	%100
3	M10	X	-.988	-.988	0	%100
4	M10	Z	-.57	-.57	0	%100
5	M43	X	-.988	-.988	0	%100
6	M43	Z	-.57	-.57	0	%100
7	M46	X	-1.31	-1.31	0	%100
8	M46	Z	-.756	-.756	0	%100
9	M51B	X	-.991	-.991	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
10	M51B	Z	-.572	-.572	0	%100
11	M52B	X	-3.965	-3.965	0	%100
12	M52B	Z	-2.289	-2.289	0	%100
13	M76	X	-3.898	-3.898	0	%100
14	M76	Z	-2.25	-2.25	0	%100
15	M77	X	-1.317	-1.317	0	%100
16	M77	Z	-.76	-.76	0	%100
17	M80	X	-1.371	-1.371	0	%100
18	M80	Z	-.791	-.791	0	%100
19	M84	X	-3.898	-3.898	0	%100
20	M84	Z	-2.25	-2.25	0	%100
21	M85	X	-5.269	-5.269	0	%100
22	M85	Z	-3.042	-3.042	0	%100
23	M91	X	-5.483	-5.483	0	%100
24	M91	Z	-3.166	-3.166	0	%100
25	M25	X	-3.193	-3.193	0	%100
26	M25	Z	-1.843	-1.843	0	%100
27	M26	X	-.988	-.988	0	%100
28	M26	Z	-.57	-.57	0	%100
29	M27	X	-.988	-.988	0	%100
30	M27	Z	-.57	-.57	0	%100
31	M28	X	-1.31	-1.31	0	%100
32	M28	Z	-.756	-.756	0	%100
33	M31	X	-3.965	-3.965	0	%100
34	M31	Z	-2.289	-2.289	0	%100
35	M32	X	-.991	-.991	0	%100
36	M32	Z	-.572	-.572	0	%100
37	M36	X	-3.898	-3.898	0	%100
38	M36	Z	-2.25	-2.25	0	%100
39	M37	X	-5.269	-5.269	0	%100
40	M37	Z	-3.042	-3.042	0	%100
41	M39	X	-5.483	-5.483	0	%100
42	M39	Z	-3.166	-3.166	0	%100
43	M41	X	-3.898	-3.898	0	%100
44	M41	Z	-2.25	-2.25	0	%100
45	M42	X	-1.317	-1.317	0	%100
46	M42	Z	-.76	-.76	0	%100
47	M44	X	-1.371	-1.371	0	%100
48	M44	Z	-.791	-.791	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-3.952	-3.952	0	%100
52	M50A	Z	-2.281	-2.281	0	%100
53	M51C	X	-3.952	-3.952	0	%100
54	M51C	Z	-2.281	-2.281	0	%100
55	M52A	X	-5.241	-5.241	0	%100
56	M52A	Z	-3.026	-3.026	0	%100
57	M55	X	-.991	-.991	0	%100
58	M55	Z	-.572	-.572	0	%100
59	M56	X	-.991	-.991	0	%100
60	M56	Z	-.572	-.572	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-1.317	-1.317	0	%100
64	M61	Z	-.76	-.76	0	%100
65	M63	X	-1.371	-1.371	0	%100
66	M63	Z	-.791	-.791	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-1.317	-1.317	0	%100
70	M66	Z	-.76	-.76	0	%100
71	M68	X	-1.371	-1.371	0	%100
72	M68	Z	-.791	-.791	0	%100
73	M73	X	-1.13	-1.13	0	%100
74	M73	Z	-.652	-.652	0	%100
75	M74	X	-1.13	-1.13	0	%100
76	M74	Z	-.652	-.652	0	%100
77	M75	X	-4.52	-4.52	0	%100
78	M75	Z	-2.61	-2.61	0	%100
79	M76A	X	-3.671	-3.671	0	%100
80	M76A	Z	-2.119	-2.119	0	%100
81	M77A	X	-1.335	-1.335	0	%100
82	M77A	Z	-.771	-.771	0	%100
83	M78	X	-3.671	-3.671	0	%100
84	M78	Z	-2.119	-2.119	0	%100
85	MP1A	X	-3.61	-3.61	0	%100
86	MP1A	Z	-2.084	-2.084	0	%100
87	MP2A	X	-3.61	-3.61	0	%100
88	MP2A	Z	-2.084	-2.084	0	%100
89	MP3A	X	-3.61	-3.61	0	%100
90	MP3A	Z	-2.084	-2.084	0	%100
91	MP4A	X	-3.61	-3.61	0	%100
92	MP4A	Z	-2.084	-2.084	0	%100
93	MP1C	X	-3.61	-3.61	0	%100
94	MP1C	Z	-2.084	-2.084	0	%100
95	MP2C	X	-3.61	-3.61	0	%100
96	MP2C	Z	-2.084	-2.084	0	%100
97	MP3C	X	-3.61	-3.61	0	%100
98	MP3C	Z	-2.084	-2.084	0	%100
99	MP4C	X	-3.61	-3.61	0	%100
100	MP4C	Z	-2.084	-2.084	0	%100
101	MP1B	X	-3.61	-3.61	0	%100
102	MP1B	Z	-2.084	-2.084	0	%100
103	MP2B	X	-3.61	-3.61	0	%100
104	MP2B	Z	-2.084	-2.084	0	%100
105	MP3B	X	-3.61	-3.61	0	%100
106	MP3B	Z	-2.084	-2.084	0	%100
107	MP4B	X	-3.61	-3.61	0	%100
108	MP4B	Z	-2.084	-2.084	0	%100
109	M104	X	-2.899	-2.899	0	%100
110	M104	Z	-1.674	-1.674	0	%100
111	M105	X	-1.029	-1.029	0	%100
112	M105	Z	-.594	-.594	0	%100
113	M106	X	-1.029	-1.029	0	%100
114	M106	Z	-.594	-.594	0	%100
115	M107	X	-4.116	-4.116	0	%100
116	M107	Z	-2.376	-2.376	0	%100
117	M114	X	-1.039	-1.039	0	%100
118	M114	Z	-.6	-.6	0	%100
119	M115	X	-4.154	-4.154	0	%100
120	M115	Z	-2.398	-2.398	0	%100
121	M116	X	-1.039	-1.039	0	%100
122	M116	Z	-.6	-.6	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-614	-614	0	%100
2	M4	Z	-1.064	-1.064	0	%100
3	M10	X	-1.711	-1.711	0	%100
4	M10	Z	-2.964	-2.964	0	%100
5	M43	X	-1.711	-1.711	0	%100
6	M43	Z	-2.964	-2.964	0	%100
7	M46	X	-2.269	-2.269	0	%100
8	M46	Z	-3.931	-3.931	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-1.717	-1.717	0	%100
12	M52B	Z	-2.974	-2.974	0	%100
13	M76	X	-75	-75	0	%100
14	M76	Z	-1.299	-1.299	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-75	-75	0	%100
20	M84	Z	-1.299	-1.299	0	%100
21	M85	X	-2.281	-2.281	0	%100
22	M85	Z	-3.952	-3.952	0	%100
23	M91	X	-2.374	-2.374	0	%100
24	M91	Z	-4.113	-4.113	0	%100
25	M25	X	-2.458	-2.458	0	%100
26	M25	Z	-4.257	-4.257	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-1.717	-1.717	0	%100
34	M31	Z	-2.974	-2.974	0	%100
35	M32	X	-1.717	-1.717	0	%100
36	M32	Z	-2.974	-2.974	0	%100
37	M36	X	-3	-3	0	%100
38	M36	Z	-5.197	-5.197	0	%100
39	M37	X	-2.281	-2.281	0	%100
40	M37	Z	-3.952	-3.952	0	%100
41	M39	X	-2.374	-2.374	0	%100
42	M39	Z	-4.113	-4.113	0	%100
43	M41	X	-3	-3	0	%100
44	M41	Z	-5.197	-5.197	0	%100
45	M42	X	-2.281	-2.281	0	%100
46	M42	Z	-3.952	-3.952	0	%100
47	M44	X	-2.374	-2.374	0	%100
48	M44	Z	-4.113	-4.113	0	%100
49	M49	X	-614	-614	0	%100
50	M49	Z	-1.064	-1.064	0	%100
51	M50A	X	-1.711	-1.711	0	%100
52	M50A	Z	-2.964	-2.964	0	%100
53	M51C	X	-1.711	-1.711	0	%100
54	M51C	Z	-2.964	-2.964	0	%100
55	M52A	X	-2.269	-2.269	0	%100
56	M52A	Z	-3.931	-3.931	0	%100
57	M55	X	-1.717	-1.717	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
58	M55	Z	-2.974	-2.974	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.75	-.75	0	%100
62	M60	Z	-1.299	-1.299	0	%100
63	M61	X	-2.281	-2.281	0	%100
64	M61	Z	-3.952	-3.952	0	%100
65	M63	X	-2.374	-2.374	0	%100
66	M63	Z	-4.113	-4.113	0	%100
67	M65	X	-.75	-.75	0	%100
68	M65	Z	-1.299	-1.299	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	-1.957	-1.957	0	%100
74	M73	Z	-3.39	-3.39	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-1.957	-1.957	0	%100
78	M75	Z	-3.39	-3.39	0	%100
79	M76A	X	-2.569	-2.569	0	%100
80	M76A	Z	-4.45	-4.45	0	%100
81	M77A	X	-1.22	-1.22	0	%100
82	M77A	Z	-2.114	-2.114	0	%100
83	M78	X	-1.22	-1.22	0	%100
84	M78	Z	-2.114	-2.114	0	%100
85	MP1A	X	-2.084	-2.084	0	%100
86	MP1A	Z	-3.61	-3.61	0	%100
87	MP2A	X	-2.084	-2.084	0	%100
88	MP2A	Z	-3.61	-3.61	0	%100
89	MP3A	X	-2.084	-2.084	0	%100
90	MP3A	Z	-3.61	-3.61	0	%100
91	MP4A	X	-2.084	-2.084	0	%100
92	MP4A	Z	-3.61	-3.61	0	%100
93	MP1C	X	-2.084	-2.084	0	%100
94	MP1C	Z	-3.61	-3.61	0	%100
95	MP2C	X	-2.084	-2.084	0	%100
96	MP2C	Z	-3.61	-3.61	0	%100
97	MP3C	X	-2.084	-2.084	0	%100
98	MP3C	Z	-3.61	-3.61	0	%100
99	MP4C	X	-2.084	-2.084	0	%100
100	MP4C	Z	-3.61	-3.61	0	%100
101	MP1B	X	-2.084	-2.084	0	%100
102	MP1B	Z	-3.61	-3.61	0	%100
103	MP2B	X	-2.084	-2.084	0	%100
104	MP2B	Z	-3.61	-3.61	0	%100
105	MP3B	X	-2.084	-2.084	0	%100
106	MP3B	Z	-3.61	-3.61	0	%100
107	MP4B	X	-2.084	-2.084	0	%100
108	MP4B	Z	-3.61	-3.61	0	%100
109	M104	X	-1.674	-1.674	0	%100
110	M104	Z	-2.899	-2.899	0	%100
111	M105	X	-1.782	-1.782	0	%100
112	M105	Z	-3.087	-3.087	0	%100
113	M106	X	0	0	0	%100
114	M106	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M107	X	-1.782	-1.782	0	%100
116	M107	Z	-3.087	-3.087	0	%100
117	M114	X	0	0	0	%100
118	M114	Z	0	0	0	%100
119	M115	X	-1.799	-1.799	0	%100
120	M115	Z	-3.116	-3.116	0	%100
121	M116	X	-1.799	-1.799	0	%100
122	M116	Z	-3.116	-3.116	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-0.997	-0.997	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-0.997	-0.997	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-1.613	-1.613	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-0.224	-0.224	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-0.224	-0.224	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-0.411	-0.411	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-0.433	-0.433	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-0.411	-0.411	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-0.433	-0.433	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-0.717	-0.717	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-0.249	-0.249	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-0.249	-0.249	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-0.403	-0.403	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-0.224	-0.224	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-0.896	-0.896	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-1.21	-1.21	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-0.411	-0.411	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-0.433	-0.433	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-1.21	-1.21	0	%100
45	M42	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
46	M42	Z	-1.643	-1.643	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-1.731	-1.731	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-.717	-.717	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-.249	-.249	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-.249	-.249	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-.403	-.403	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-.896	-.896	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-.224	-.224	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-1.21	-1.21	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-1.643	-1.643	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-1.731	-1.731	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-1.21	-1.21	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-.411	-.411	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-.433	-.433	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-.913	-.913	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-.228	-.228	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-.228	-.228	0	%100
79	M76A	X	0	0	0	%100
80	M76A	Z	-.876	-.876	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	-.876	-.876	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	-.297	-.297	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-.639	-.639	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	-.639	-.639	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	-.639	-.639	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	-.639	-.639	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-.639	-.639	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-.639	-.639	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	-.639	-.639	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	-.639	-.639	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-.639	-.639	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-.639	-.639	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	-.639	-.639	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	-.639	-.639	0	%100
109	M104	X	0	0	0	%100
110	M104	Z	-.522	-.522	0	%100
111	M105	X	0	0	0	%100
112	M105	Z	-.773	-.773	0	%100
113	M106	X	0	0	0	%100
114	M106	Z	-.193	-.193	0	%100
115	M107	X	0	0	0	%100
116	M107	Z	-.193	-.193	0	%100
117	M114	X	0	0	0	%100
118	M114	Z	-.262	-.262	0	%100
119	M115	X	0	0	0	%100
120	M115	Z	-.262	-.262	0	%100
121	M116	X	0	0	0	%100
122	M116	Z	-1.048	-1.048	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.119	.119	0	%100
2	M4	Z	-.207	-.207	0	%100
3	M10	X	.374	.374	0	%100
4	M10	Z	-.648	-.648	0	%100
5	M43	X	.374	.374	0	%100
6	M43	Z	-.648	-.648	0	%100
7	M46	X	.605	.605	0	%100
8	M46	Z	-1.048	-1.048	0	%100
9	M51B	X	.336	.336	0	%100
10	M51B	Z	-.582	-.582	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.202	.202	0	%100
14	M76	Z	-.349	-.349	0	%100
15	M77	X	.616	.616	0	%100
16	M77	Z	-1.067	-1.067	0	%100
17	M80	X	.649	.649	0	%100
18	M80	Z	-1.124	-1.124	0	%100
19	M84	X	.202	.202	0	%100
20	M84	Z	-.349	-.349	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.119	.119	0	%100
26	M25	Z	-.207	-.207	0	%100
27	M26	X	.374	.374	0	%100
28	M26	Z	-.648	-.648	0	%100
29	M27	X	.374	.374	0	%100
30	M27	Z	-.648	-.648	0	%100
31	M28	X	.605	.605	0	%100
32	M28	Z	-1.048	-1.048	0	%100
33	M31	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
34	M31	Z	0	0	0	%100
35	M32	X	.336	.336	0	%100
36	M32	Z	-.582	-.582	0	%100
37	M36	X	.202	.202	0	%100
38	M36	Z	-.349	-.349	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.202	.202	0	%100
44	M41	Z	-.349	-.349	0	%100
45	M42	X	.616	.616	0	%100
46	M42	Z	-1.067	-1.067	0	%100
47	M44	X	.649	.649	0	%100
48	M44	Z	-1.124	-1.124	0	%100
49	M49	X	.478	.478	0	%100
50	M49	Z	-.828	-.828	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	.336	.336	0	%100
58	M55	Z	-.582	-.582	0	%100
59	M56	X	.336	.336	0	%100
60	M56	Z	-.582	-.582	0	%100
61	M60	X	.807	.807	0	%100
62	M60	Z	-1.397	-1.397	0	%100
63	M61	X	.616	.616	0	%100
64	M61	Z	-1.067	-1.067	0	%100
65	M63	X	.649	.649	0	%100
66	M63	Z	-1.124	-1.124	0	%100
67	M65	X	.807	.807	0	%100
68	M65	Z	-1.397	-1.397	0	%100
69	M66	X	.616	.616	0	%100
70	M66	Z	-1.067	-1.067	0	%100
71	M68	X	.649	.649	0	%100
72	M68	Z	-1.124	-1.124	0	%100
73	M73	X	.342	.342	0	%100
74	M73	Z	-.593	-.593	0	%100
75	M74	X	.342	.342	0	%100
76	M74	Z	-.593	-.593	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	M76A	X	.245	.245	0	%100
80	M76A	Z	-.424	-.424	0	%100
81	M77A	X	.534	.534	0	%100
82	M77A	Z	-.926	-.926	0	%100
83	M78	X	.245	.245	0	%100
84	M78	Z	-.424	-.424	0	%100
85	MP1A	X	.319	.319	0	%100
86	MP1A	Z	-.553	-.553	0	%100
87	MP2A	X	.319	.319	0	%100
88	MP2A	Z	-.553	-.553	0	%100
89	MP3A	X	.319	.319	0	%100
90	MP3A	Z	-.553	-.553	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
91	MP4A	X	.319	.319	0	%100
92	MP4A	Z	-.553	-.553	0	%100
93	MP1C	X	.319	.319	0	%100
94	MP1C	Z	-.553	-.553	0	%100
95	MP2C	X	.319	.319	0	%100
96	MP2C	Z	-.553	-.553	0	%100
97	MP3C	X	.319	.319	0	%100
98	MP3C	Z	-.553	-.553	0	%100
99	MP4C	X	.319	.319	0	%100
100	MP4C	Z	-.553	-.553	0	%100
101	MP1B	X	.319	.319	0	%100
102	MP1B	Z	-.553	-.553	0	%100
103	MP2B	X	.319	.319	0	%100
104	MP2B	Z	-.553	-.553	0	%100
105	MP3B	X	.319	.319	0	%100
106	MP3B	Z	-.553	-.553	0	%100
107	MP4B	X	.319	.319	0	%100
108	MP4B	Z	-.553	-.553	0	%100
109	M104	X	.261	.261	0	%100
110	M104	Z	-.452	-.452	0	%100
111	M105	X	.29	.29	0	%100
112	M105	Z	-.502	-.502	0	%100
113	M106	X	.29	.29	0	%100
114	M106	Z	-.502	-.502	0	%100
115	M107	X	0	0	0	%100
116	M107	Z	0	0	0	%100
117	M114	X	.393	.393	0	%100
118	M114	Z	-.68	-.68	0	%100
119	M115	X	0	0	0	%100
120	M115	Z	0	0	0	%100
121	M116	X	.393	.393	0	%100
122	M116	Z	-.68	-.68	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.621	.621	0	%100
2	M4	Z	-.358	-.358	0	%100
3	M10	X	.216	.216	0	%100
4	M10	Z	-.125	-.125	0	%100
5	M43	X	.216	.216	0	%100
6	M43	Z	-.125	-.125	0	%100
7	M46	X	.349	.349	0	%100
8	M46	Z	-.202	-.202	0	%100
9	M51B	X	.776	.776	0	%100
10	M51B	Z	-.448	-.448	0	%100
11	M52B	X	.194	.194	0	%100
12	M52B	Z	-.112	-.112	0	%100
13	M76	X	1.048	1.048	0	%100
14	M76	Z	-.605	-.605	0	%100
15	M77	X	1.423	1.423	0	%100
16	M77	Z	-.822	-.822	0	%100
17	M80	X	1.499	1.499	0	%100
18	M80	Z	-.865	-.865	0	%100
19	M84	X	1.048	1.048	0	%100
20	M84	Z	-.605	-.605	0	%100
21	M85	X	.356	.356	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
22	M85	Z	-.205	-.205	0	%100
23	M91	X	.375	.375	0	%100
24	M91	Z	-.216	-.216	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	.864	.864	0	%100
28	M26	Z	-.499	-.499	0	%100
29	M27	X	.864	.864	0	%100
30	M27	Z	-.499	-.499	0	%100
31	M28	X	1.397	1.397	0	%100
32	M28	Z	-.807	-.807	0	%100
33	M31	X	.194	.194	0	%100
34	M31	Z	-.112	-.112	0	%100
35	M32	X	.194	.194	0	%100
36	M32	Z	-.112	-.112	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	.356	.356	0	%100
40	M37	Z	-.205	-.205	0	%100
41	M39	X	.375	.375	0	%100
42	M39	Z	-.216	-.216	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	.356	.356	0	%100
46	M42	Z	-.205	-.205	0	%100
47	M44	X	.375	.375	0	%100
48	M44	Z	-.216	-.216	0	%100
49	M49	X	.621	.621	0	%100
50	M49	Z	-.358	-.358	0	%100
51	M50A	X	.216	.216	0	%100
52	M50A	Z	-.125	-.125	0	%100
53	M51C	X	.216	.216	0	%100
54	M51C	Z	-.125	-.125	0	%100
55	M52A	X	.349	.349	0	%100
56	M52A	Z	-.202	-.202	0	%100
57	M55	X	.194	.194	0	%100
58	M55	Z	-.112	-.112	0	%100
59	M56	X	.776	.776	0	%100
60	M56	Z	-.448	-.448	0	%100
61	M60	X	1.048	1.048	0	%100
62	M60	Z	-.605	-.605	0	%100
63	M61	X	.356	.356	0	%100
64	M61	Z	-.205	-.205	0	%100
65	M63	X	.375	.375	0	%100
66	M63	Z	-.216	-.216	0	%100
67	M65	X	1.048	1.048	0	%100
68	M65	Z	-.605	-.605	0	%100
69	M66	X	1.423	1.423	0	%100
70	M66	Z	-.822	-.822	0	%100
71	M68	X	1.499	1.499	0	%100
72	M68	Z	-.865	-.865	0	%100
73	M73	X	.198	.198	0	%100
74	M73	Z	-.114	-.114	0	%100
75	M74	X	.79	.79	0	%100
76	M74	Z	-.456	-.456	0	%100
77	M75	X	.198	.198	0	%100
78	M75	Z	-.114	-.114	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
79	M76A	X	.257	.257	0	%100
80	M76A	Z	-.148	-.148	0	%100
81	M77A	X	.759	.759	0	%100
82	M77A	Z	-.438	-.438	0	%100
83	M78	X	.759	.759	0	%100
84	M78	Z	-.438	-.438	0	%100
85	MP1A	X	.553	.553	0	%100
86	MP1A	Z	-.319	-.319	0	%100
87	MP2A	X	.553	.553	0	%100
88	MP2A	Z	-.319	-.319	0	%100
89	MP3A	X	.553	.553	0	%100
90	MP3A	Z	-.319	-.319	0	%100
91	MP4A	X	.553	.553	0	%100
92	MP4A	Z	-.319	-.319	0	%100
93	MP1C	X	.553	.553	0	%100
94	MP1C	Z	-.319	-.319	0	%100
95	MP2C	X	.553	.553	0	%100
96	MP2C	Z	-.319	-.319	0	%100
97	MP3C	X	.553	.553	0	%100
98	MP3C	Z	-.319	-.319	0	%100
99	MP4C	X	.553	.553	0	%100
100	MP4C	Z	-.319	-.319	0	%100
101	MP1B	X	.553	.553	0	%100
102	MP1B	Z	-.319	-.319	0	%100
103	MP2B	X	.553	.553	0	%100
104	MP2B	Z	-.319	-.319	0	%100
105	MP3B	X	.553	.553	0	%100
106	MP3B	Z	-.319	-.319	0	%100
107	MP4B	X	.553	.553	0	%100
108	MP4B	Z	-.319	-.319	0	%100
109	M104	X	.452	.452	0	%100
110	M104	Z	-.261	-.261	0	%100
111	M105	X	.167	.167	0	%100
112	M105	Z	-.097	-.097	0	%100
113	M106	X	.669	.669	0	%100
114	M106	Z	-.387	-.387	0	%100
115	M107	X	.167	.167	0	%100
116	M107	Z	-.097	-.097	0	%100
117	M114	X	.907	.907	0	%100
118	M114	Z	-.524	-.524	0	%100
119	M115	X	.227	.227	0	%100
120	M115	Z	-.131	-.131	0	%100
121	M116	X	.227	.227	0	%100
122	M116	Z	-.131	-.131	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M4	X	.956	.956	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	.672	.672	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
10	M51B	Z	0	0	0	%100
11	M52B	X	.672	.672	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	1.613	1.613	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	1.232	1.232	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	1.298	1.298	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	1.613	1.613	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	1.232	1.232	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	1.298	1.298	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.239	.239	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	.748	.748	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	.748	.748	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	1.21	1.21	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	.672	.672	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	.403	.403	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	1.232	1.232	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	1.298	1.298	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.403	.403	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	.239	.239	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	.748	.748	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	.748	.748	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	1.21	1.21	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	.672	.672	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	.403	.403	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
67	M65	X	.403	.403	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	1.232	1.232	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	1.298	1.298	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	.685	.685	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.685	.685	0	%100
78	M75	Z	0	0	0	%100
79	M76A	X	.49	.49	0	%100
80	M76A	Z	0	0	0	%100
81	M77A	X	.49	.49	0	%100
82	M77A	Z	0	0	0	%100
83	M78	X	1.069	1.069	0	%100
84	M78	Z	0	0	0	%100
85	MP1A	X	.639	.639	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	.639	.639	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	.639	.639	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	.639	.639	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	.639	.639	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	.639	.639	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	.639	.639	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	.639	.639	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	.639	.639	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	.639	.639	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	.639	.639	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	.639	.639	0	%100
108	MP4B	Z	0	0	0	%100
109	M104	X	.522	.522	0	%100
110	M104	Z	0	0	0	%100
111	M105	X	0	0	0	%100
112	M105	Z	0	0	0	%100
113	M106	X	.58	.58	0	%100
114	M106	Z	0	0	0	%100
115	M107	X	.58	.58	0	%100
116	M107	Z	0	0	0	%100
117	M114	X	.786	.786	0	%100
118	M114	Z	0	0	0	%100
119	M115	X	.786	.786	0	%100
120	M115	Z	0	0	0	%100
121	M116	X	0	0	0	%100
122	M116	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.621	.621	0	%100
2	M4	Z	.358	.358	0	%100
3	M10	X	.216	.216	0	%100
4	M10	Z	.125	.125	0	%100
5	M43	X	.216	.216	0	%100
6	M43	Z	.125	.125	0	%100
7	M46	X	.349	.349	0	%100
8	M46	Z	.202	.202	0	%100
9	M51B	X	.194	.194	0	%100
10	M51B	Z	.112	.112	0	%100
11	M52B	X	.776	.776	0	%100
12	M52B	Z	.448	.448	0	%100
13	M76	X	1.048	1.048	0	%100
14	M76	Z	.605	.605	0	%100
15	M77	X	.356	.356	0	%100
16	M77	Z	.205	.205	0	%100
17	M80	X	.375	.375	0	%100
18	M80	Z	.216	.216	0	%100
19	M84	X	1.048	1.048	0	%100
20	M84	Z	.605	.605	0	%100
21	M85	X	1.423	1.423	0	%100
22	M85	Z	.822	.822	0	%100
23	M91	X	1.499	1.499	0	%100
24	M91	Z	.865	.865	0	%100
25	M25	X	.621	.621	0	%100
26	M25	Z	.358	.358	0	%100
27	M26	X	.216	.216	0	%100
28	M26	Z	.125	.125	0	%100
29	M27	X	.216	.216	0	%100
30	M27	Z	.125	.125	0	%100
31	M28	X	.349	.349	0	%100
32	M28	Z	.202	.202	0	%100
33	M31	X	.776	.776	0	%100
34	M31	Z	.448	.448	0	%100
35	M32	X	.194	.194	0	%100
36	M32	Z	.112	.112	0	%100
37	M36	X	1.048	1.048	0	%100
38	M36	Z	.605	.605	0	%100
39	M37	X	1.423	1.423	0	%100
40	M37	Z	.822	.822	0	%100
41	M39	X	1.499	1.499	0	%100
42	M39	Z	.865	.865	0	%100
43	M41	X	1.048	1.048	0	%100
44	M41	Z	.605	.605	0	%100
45	M42	X	.356	.356	0	%100
46	M42	Z	.205	.205	0	%100
47	M44	X	.375	.375	0	%100
48	M44	Z	.216	.216	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	.864	.864	0	%100
52	M50A	Z	.499	.499	0	%100
53	M51C	X	.864	.864	0	%100
54	M51C	Z	.499	.499	0	%100
55	M52A	X	1.397	1.397	0	%100
56	M52A	Z	.807	.807	0	%100
57	M55	X	.194	.194	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
58	M55	Z	.112	.112	0	%100
59	M56	X	.194	.194	0	%100
60	M56	Z	.112	.112	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	.356	.356	0	%100
64	M61	Z	.205	.205	0	%100
65	M63	X	.375	.375	0	%100
66	M63	Z	.216	.216	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	.356	.356	0	%100
70	M66	Z	.205	.205	0	%100
71	M68	X	.375	.375	0	%100
72	M68	Z	.216	.216	0	%100
73	M73	X	.198	.198	0	%100
74	M73	Z	.114	.114	0	%100
75	M74	X	.198	.198	0	%100
76	M74	Z	.114	.114	0	%100
77	M75	X	.79	.79	0	%100
78	M75	Z	.456	.456	0	%100
79	M76A	X	.759	.759	0	%100
80	M76A	Z	.438	.438	0	%100
81	M77A	X	.257	.257	0	%100
82	M77A	Z	.148	.148	0	%100
83	M78	X	.759	.759	0	%100
84	M78	Z	.438	.438	0	%100
85	MP1A	X	.553	.553	0	%100
86	MP1A	Z	.319	.319	0	%100
87	MP2A	X	.553	.553	0	%100
88	MP2A	Z	.319	.319	0	%100
89	MP3A	X	.553	.553	0	%100
90	MP3A	Z	.319	.319	0	%100
91	MP4A	X	.553	.553	0	%100
92	MP4A	Z	.319	.319	0	%100
93	MP1C	X	.553	.553	0	%100
94	MP1C	Z	.319	.319	0	%100
95	MP2C	X	.553	.553	0	%100
96	MP2C	Z	.319	.319	0	%100
97	MP3C	X	.553	.553	0	%100
98	MP3C	Z	.319	.319	0	%100
99	MP4C	X	.553	.553	0	%100
100	MP4C	Z	.319	.319	0	%100
101	MP1B	X	.553	.553	0	%100
102	MP1B	Z	.319	.319	0	%100
103	MP2B	X	.553	.553	0	%100
104	MP2B	Z	.319	.319	0	%100
105	MP3B	X	.553	.553	0	%100
106	MP3B	Z	.319	.319	0	%100
107	MP4B	X	.553	.553	0	%100
108	MP4B	Z	.319	.319	0	%100
109	M104	X	.452	.452	0	%100
110	M104	Z	.261	.261	0	%100
111	M105	X	.167	.167	0	%100
112	M105	Z	.097	.097	0	%100
113	M106	X	.167	.167	0	%100
114	M106	Z	.097	.097	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M107	X	.669	.669	0	%100
116	M107	Z	.387	.387	0	%100
117	M114	X	.227	.227	0	%100
118	M114	Z	.131	.131	0	%100
119	M115	X	.907	.907	0	%100
120	M115	Z	.524	.524	0	%100
121	M116	X	.227	.227	0	%100
122	M116	Z	.131	.131	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	.119	.119	0	%100
2	M4	Z	.207	.207	0	%100
3	M10	X	.374	.374	0	%100
4	M10	Z	.648	.648	0	%100
5	M43	X	.374	.374	0	%100
6	M43	Z	.648	.648	0	%100
7	M46	X	.605	.605	0	%100
8	M46	Z	1.048	1.048	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.336	.336	0	%100
12	M52B	Z	.582	.582	0	%100
13	M76	X	.202	.202	0	%100
14	M76	Z	.349	.349	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	.202	.202	0	%100
20	M84	Z	.349	.349	0	%100
21	M85	X	.616	.616	0	%100
22	M85	Z	1.067	1.067	0	%100
23	M91	X	.649	.649	0	%100
24	M91	Z	1.124	1.124	0	%100
25	M25	X	.478	.478	0	%100
26	M25	Z	.828	.828	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	.336	.336	0	%100
34	M31	Z	.582	.582	0	%100
35	M32	X	.336	.336	0	%100
36	M32	Z	.582	.582	0	%100
37	M36	X	.807	.807	0	%100
38	M36	Z	1.397	1.397	0	%100
39	M37	X	.616	.616	0	%100
40	M37	Z	1.067	1.067	0	%100
41	M39	X	.649	.649	0	%100
42	M39	Z	1.124	1.124	0	%100
43	M41	X	.807	.807	0	%100
44	M41	Z	1.397	1.397	0	%100
45	M42	X	.616	.616	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
46	M42	Z	1.067	1.067	0	%100
47	M44	X	.649	.649	0	%100
48	M44	Z	1.124	1.124	0	%100
49	M49	X	.119	.119	0	%100
50	M49	Z	.207	.207	0	%100
51	M50A	X	.374	.374	0	%100
52	M50A	Z	.648	.648	0	%100
53	M51C	X	.374	.374	0	%100
54	M51C	Z	.648	.648	0	%100
55	M52A	X	.605	.605	0	%100
56	M52A	Z	1.048	1.048	0	%100
57	M55	X	.336	.336	0	%100
58	M55	Z	.582	.582	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	.202	.202	0	%100
62	M60	Z	.349	.349	0	%100
63	M61	X	.616	.616	0	%100
64	M61	Z	1.067	1.067	0	%100
65	M63	X	.649	.649	0	%100
66	M63	Z	1.124	1.124	0	%100
67	M65	X	.202	.202	0	%100
68	M65	Z	.349	.349	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	.342	.342	0	%100
74	M73	Z	.593	.593	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.342	.342	0	%100
78	M75	Z	.593	.593	0	%100
79	M76A	X	.534	.534	0	%100
80	M76A	Z	.926	.926	0	%100
81	M77A	X	.245	.245	0	%100
82	M77A	Z	.424	.424	0	%100
83	M78	X	.245	.245	0	%100
84	M78	Z	.424	.424	0	%100
85	MP1A	X	.319	.319	0	%100
86	MP1A	Z	.553	.553	0	%100
87	MP2A	X	.319	.319	0	%100
88	MP2A	Z	.553	.553	0	%100
89	MP3A	X	.319	.319	0	%100
90	MP3A	Z	.553	.553	0	%100
91	MP4A	X	.319	.319	0	%100
92	MP4A	Z	.553	.553	0	%100
93	MP1C	X	.319	.319	0	%100
94	MP1C	Z	.553	.553	0	%100
95	MP2C	X	.319	.319	0	%100
96	MP2C	Z	.553	.553	0	%100
97	MP3C	X	.319	.319	0	%100
98	MP3C	Z	.553	.553	0	%100
99	MP4C	X	.319	.319	0	%100
100	MP4C	Z	.553	.553	0	%100
101	MP1B	X	.319	.319	0	%100
102	MP1B	Z	.553	.553	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
103	MP2B	X	.319	.319	0	%100
104	MP2B	Z	.553	.553	0	%100
105	MP3B	X	.319	.319	0	%100
106	MP3B	Z	.553	.553	0	%100
107	MP4B	X	.319	.319	0	%100
108	MP4B	Z	.553	.553	0	%100
109	M104	X	.261	.261	0	%100
110	M104	Z	.452	.452	0	%100
111	M105	X	.29	.29	0	%100
112	M105	Z	.502	.502	0	%100
113	M106	X	0	0	0	%100
114	M106	Z	0	0	0	%100
115	M107	X	.29	.29	0	%100
116	M107	Z	.502	.502	0	%100
117	M114	X	0	0	0	%100
118	M114	Z	0	0	0	%100
119	M115	X	.393	.393	0	%100
120	M115	Z	.68	.68	0	%100
121	M116	X	.393	.393	0	%100
122	M116	Z	.68	.68	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	.997	.997	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	.997	.997	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	1.613	1.613	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	.224	.224	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.224	.224	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	.411	.411	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	.433	.433	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	.411	.411	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	.433	.433	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	.717	.717	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	.249	.249	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.249	.249	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	.403	.403	0	%100
33	M31	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
34	M31	Z	.224	.224	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	.896	.896	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	1.21	1.21	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	.411	.411	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	.433	.433	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	1.21	1.21	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	1.643	1.643	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	1.731	1.731	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	.717	.717	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	.249	.249	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	.249	.249	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	.403	.403	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	.896	.896	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	.224	.224	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	1.21	1.21	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	1.643	1.643	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	1.731	1.731	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	1.21	1.21	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	.411	.411	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	.433	.433	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	.913	.913	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	.228	.228	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	.228	.228	0	%100
79	M76A	X	0	0	0	%100
80	M76A	Z	.876	.876	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	.876	.876	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	.297	.297	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	.639	.639	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	.639	.639	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	.639	.639	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
91	MP4A	X	0	0	0	%100
92	MP4A	Z	.639	.639	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	.639	.639	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	.639	.639	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	.639	.639	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	.639	.639	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	.639	.639	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	.639	.639	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	.639	.639	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	.639	.639	0	%100
109	M104	X	0	0	0	%100
110	M104	Z	.522	.522	0	%100
111	M105	X	0	0	0	%100
112	M105	Z	.773	.773	0	%100
113	M106	X	0	0	0	%100
114	M106	Z	.193	.193	0	%100
115	M107	X	0	0	0	%100
116	M107	Z	.193	.193	0	%100
117	M114	X	0	0	0	%100
118	M114	Z	.262	.262	0	%100
119	M115	X	0	0	0	%100
120	M115	Z	.262	.262	0	%100
121	M116	X	0	0	0	%100
122	M116	Z	1.048	1.048	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-.119	-.119	0	%100
2	M4	Z	.207	.207	0	%100
3	M10	X	-.374	-.374	0	%100
4	M10	Z	.648	.648	0	%100
5	M43	X	-.374	-.374	0	%100
6	M43	Z	.648	.648	0	%100
7	M46	X	-.605	-.605	0	%100
8	M46	Z	1.048	1.048	0	%100
9	M51B	X	-.336	-.336	0	%100
10	M51B	Z	.582	.582	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.202	-.202	0	%100
14	M76	Z	.349	.349	0	%100
15	M77	X	-.616	-.616	0	%100
16	M77	Z	1.067	1.067	0	%100
17	M80	X	-.649	-.649	0	%100
18	M80	Z	1.124	1.124	0	%100
19	M84	X	-.202	-.202	0	%100
20	M84	Z	.349	.349	0	%100
21	M85	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.119	-.119	0	%100
26	M25	Z	.207	.207	0	%100
27	M26	X	-.374	-.374	0	%100
28	M26	Z	.648	.648	0	%100
29	M27	X	-.374	-.374	0	%100
30	M27	Z	.648	.648	0	%100
31	M28	X	-.605	-.605	0	%100
32	M28	Z	1.048	1.048	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-.336	-.336	0	%100
36	M32	Z	.582	.582	0	%100
37	M36	X	-.202	-.202	0	%100
38	M36	Z	.349	.349	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.202	-.202	0	%100
44	M41	Z	.349	.349	0	%100
45	M42	X	-.616	-.616	0	%100
46	M42	Z	1.067	1.067	0	%100
47	M44	X	-.649	-.649	0	%100
48	M44	Z	1.124	1.124	0	%100
49	M49	X	-.478	-.478	0	%100
50	M49	Z	.828	.828	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	-.336	-.336	0	%100
58	M55	Z	.582	.582	0	%100
59	M56	X	-.336	-.336	0	%100
60	M56	Z	.582	.582	0	%100
61	M60	X	-.807	-.807	0	%100
62	M60	Z	1.397	1.397	0	%100
63	M61	X	-.616	-.616	0	%100
64	M61	Z	1.067	1.067	0	%100
65	M63	X	-.649	-.649	0	%100
66	M63	Z	1.124	1.124	0	%100
67	M65	X	-.807	-.807	0	%100
68	M65	Z	1.397	1.397	0	%100
69	M66	X	-.616	-.616	0	%100
70	M66	Z	1.067	1.067	0	%100
71	M68	X	-.649	-.649	0	%100
72	M68	Z	1.124	1.124	0	%100
73	M73	X	-.342	-.342	0	%100
74	M73	Z	.593	.593	0	%100
75	M74	X	-.342	-.342	0	%100
76	M74	Z	.593	.593	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
79	M76A	X	-.245	-.245	0	%100
80	M76A	Z	.424	.424	0	%100
81	M77A	X	-.534	-.534	0	%100
82	M77A	Z	.926	.926	0	%100
83	M78	X	-.245	-.245	0	%100
84	M78	Z	.424	.424	0	%100
85	MP1A	X	-.319	-.319	0	%100
86	MP1A	Z	.553	.553	0	%100
87	MP2A	X	-.319	-.319	0	%100
88	MP2A	Z	.553	.553	0	%100
89	MP3A	X	-.319	-.319	0	%100
90	MP3A	Z	.553	.553	0	%100
91	MP4A	X	-.319	-.319	0	%100
92	MP4A	Z	.553	.553	0	%100
93	MP1C	X	-.319	-.319	0	%100
94	MP1C	Z	.553	.553	0	%100
95	MP2C	X	-.319	-.319	0	%100
96	MP2C	Z	.553	.553	0	%100
97	MP3C	X	-.319	-.319	0	%100
98	MP3C	Z	.553	.553	0	%100
99	MP4C	X	-.319	-.319	0	%100
100	MP4C	Z	.553	.553	0	%100
101	MP1B	X	-.319	-.319	0	%100
102	MP1B	Z	.553	.553	0	%100
103	MP2B	X	-.319	-.319	0	%100
104	MP2B	Z	.553	.553	0	%100
105	MP3B	X	-.319	-.319	0	%100
106	MP3B	Z	.553	.553	0	%100
107	MP4B	X	-.319	-.319	0	%100
108	MP4B	Z	.553	.553	0	%100
109	M104	X	-.261	-.261	0	%100
110	M104	Z	.452	.452	0	%100
111	M105	X	-.29	-.29	0	%100
112	M105	Z	.502	.502	0	%100
113	M106	X	-.29	-.29	0	%100
114	M106	Z	.502	.502	0	%100
115	M107	X	0	0	0	%100
116	M107	Z	0	0	0	%100
117	M114	X	-.393	-.393	0	%100
118	M114	Z	.68	.68	0	%100
119	M115	X	0	0	0	%100
120	M115	Z	0	0	0	%100
121	M116	X	-.393	-.393	0	%100
122	M116	Z	.68	.68	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-.621	-.621	0	%100
2	M4	Z	.358	.358	0	%100
3	M10	X	-.216	-.216	0	%100
4	M10	Z	.125	.125	0	%100
5	M43	X	-.216	-.216	0	%100
6	M43	Z	.125	.125	0	%100
7	M46	X	-.349	-.349	0	%100
8	M46	Z	.202	.202	0	%100
9	M51B	X	-.776	-.776	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
10	M51B	Z	.448	.448	0	%100
11	M52B	X	-.194	-.194	0	%100
12	M52B	Z	.112	.112	0	%100
13	M76	X	-1.048	-1.048	0	%100
14	M76	Z	.605	.605	0	%100
15	M77	X	-1.423	-1.423	0	%100
16	M77	Z	.822	.822	0	%100
17	M80	X	-1.499	-1.499	0	%100
18	M80	Z	.865	.865	0	%100
19	M84	X	-1.048	-1.048	0	%100
20	M84	Z	.605	.605	0	%100
21	M85	X	-.356	-.356	0	%100
22	M85	Z	.205	.205	0	%100
23	M91	X	-.375	-.375	0	%100
24	M91	Z	.216	.216	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-.864	-.864	0	%100
28	M26	Z	.499	.499	0	%100
29	M27	X	-.864	-.864	0	%100
30	M27	Z	.499	.499	0	%100
31	M28	X	-1.397	-1.397	0	%100
32	M28	Z	.807	.807	0	%100
33	M31	X	-.194	-.194	0	%100
34	M31	Z	.112	.112	0	%100
35	M32	X	-.194	-.194	0	%100
36	M32	Z	.112	.112	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-.356	-.356	0	%100
40	M37	Z	.205	.205	0	%100
41	M39	X	-.375	-.375	0	%100
42	M39	Z	.216	.216	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-.356	-.356	0	%100
46	M42	Z	.205	.205	0	%100
47	M44	X	-.375	-.375	0	%100
48	M44	Z	.216	.216	0	%100
49	M49	X	-.621	-.621	0	%100
50	M49	Z	.358	.358	0	%100
51	M50A	X	-.216	-.216	0	%100
52	M50A	Z	.125	.125	0	%100
53	M51C	X	-.216	-.216	0	%100
54	M51C	Z	.125	.125	0	%100
55	M52A	X	-.349	-.349	0	%100
56	M52A	Z	.202	.202	0	%100
57	M55	X	-.194	-.194	0	%100
58	M55	Z	.112	.112	0	%100
59	M56	X	-.776	-.776	0	%100
60	M56	Z	.448	.448	0	%100
61	M60	X	-1.048	-1.048	0	%100
62	M60	Z	.605	.605	0	%100
63	M61	X	-.356	-.356	0	%100
64	M61	Z	.205	.205	0	%100
65	M63	X	-.375	-.375	0	%100
66	M63	Z	.216	.216	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
67	M65	X	-1.048	-1.048	0	%100
68	M65	Z	.605	.605	0	%100
69	M66	X	-1.423	-1.423	0	%100
70	M66	Z	.822	.822	0	%100
71	M68	X	-1.499	-1.499	0	%100
72	M68	Z	.865	.865	0	%100
73	M73	X	-.198	-.198	0	%100
74	M73	Z	.114	.114	0	%100
75	M74	X	-.79	-.79	0	%100
76	M74	Z	.456	.456	0	%100
77	M75	X	-.198	-.198	0	%100
78	M75	Z	.114	.114	0	%100
79	M76A	X	-.257	-.257	0	%100
80	M76A	Z	.148	.148	0	%100
81	M77A	X	-.759	-.759	0	%100
82	M77A	Z	.438	.438	0	%100
83	M78	X	-.759	-.759	0	%100
84	M78	Z	.438	.438	0	%100
85	MP1A	X	-.553	-.553	0	%100
86	MP1A	Z	.319	.319	0	%100
87	MP2A	X	-.553	-.553	0	%100
88	MP2A	Z	.319	.319	0	%100
89	MP3A	X	-.553	-.553	0	%100
90	MP3A	Z	.319	.319	0	%100
91	MP4A	X	-.553	-.553	0	%100
92	MP4A	Z	.319	.319	0	%100
93	MP1C	X	-.553	-.553	0	%100
94	MP1C	Z	.319	.319	0	%100
95	MP2C	X	-.553	-.553	0	%100
96	MP2C	Z	.319	.319	0	%100
97	MP3C	X	-.553	-.553	0	%100
98	MP3C	Z	.319	.319	0	%100
99	MP4C	X	-.553	-.553	0	%100
100	MP4C	Z	.319	.319	0	%100
101	MP1B	X	-.553	-.553	0	%100
102	MP1B	Z	.319	.319	0	%100
103	MP2B	X	-.553	-.553	0	%100
104	MP2B	Z	.319	.319	0	%100
105	MP3B	X	-.553	-.553	0	%100
106	MP3B	Z	.319	.319	0	%100
107	MP4B	X	-.553	-.553	0	%100
108	MP4B	Z	.319	.319	0	%100
109	M104	X	-.452	-.452	0	%100
110	M104	Z	.261	.261	0	%100
111	M105	X	-.167	-.167	0	%100
112	M105	Z	.097	.097	0	%100
113	M106	X	-.669	-.669	0	%100
114	M106	Z	.387	.387	0	%100
115	M107	X	-.167	-.167	0	%100
116	M107	Z	.097	.097	0	%100
117	M114	X	-.907	-.907	0	%100
118	M114	Z	.524	.524	0	%100
119	M115	X	-.227	-.227	0	%100
120	M115	Z	.131	.131	0	%100
121	M116	X	-.227	-.227	0	%100
122	M116	Z	.131	.131	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft. %]	End Location[ft. %]
1	M4	X	-0.956	-0.956	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-0.672	-0.672	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-0.672	-0.672	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-1.613	-1.613	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-1.232	-1.232	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-1.298	-1.298	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-1.613	-1.613	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-1.232	-1.232	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-1.298	-1.298	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-0.239	-0.239	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-0.748	-0.748	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-0.748	-0.748	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-1.21	-1.21	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-0.672	-0.672	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-0.403	-0.403	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-1.232	-1.232	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-1.298	-1.298	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-0.403	-0.403	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-0.239	-0.239	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-0.748	-0.748	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-0.748	-0.748	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-1.21	-1.21	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
58	M55	Z	0	0	0	%100
59	M56	X	-.672	-.672	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.403	-.403	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-.403	-.403	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-1.232	-1.232	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-1.298	-1.298	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-.685	-.685	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.685	-.685	0	%100
78	M75	Z	0	0	0	%100
79	M76A	X	-.49	-.49	0	%100
80	M76A	Z	0	0	0	%100
81	M77A	X	-.49	-.49	0	%100
82	M77A	Z	0	0	0	%100
83	M78	X	-1.069	-1.069	0	%100
84	M78	Z	0	0	0	%100
85	MP1A	X	-.639	-.639	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	-.639	-.639	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	-.639	-.639	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	-.639	-.639	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	-.639	-.639	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	-.639	-.639	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	-.639	-.639	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	-.639	-.639	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	-.639	-.639	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	-.639	-.639	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	-.639	-.639	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	-.639	-.639	0	%100
108	MP4B	Z	0	0	0	%100
109	M104	X	-.522	-.522	0	%100
110	M104	Z	0	0	0	%100
111	M105	X	0	0	0	%100
112	M105	Z	0	0	0	%100
113	M106	X	-.58	-.58	0	%100
114	M106	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M107	X	-.58	-.58	0	%100
116	M107	Z	0	0	0	%100
117	M114	X	-.786	-.786	0	%100
118	M114	Z	0	0	0	%100
119	M115	X	-.786	-.786	0	%100
120	M115	Z	0	0	0	%100
121	M116	X	0	0	0	%100
122	M116	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-.621	-.621	0	%100
2	M4	Z	-.358	-.358	0	%100
3	M10	X	-.216	-.216	0	%100
4	M10	Z	-.125	-.125	0	%100
5	M43	X	-.216	-.216	0	%100
6	M43	Z	-.125	-.125	0	%100
7	M46	X	-.349	-.349	0	%100
8	M46	Z	-.202	-.202	0	%100
9	M51B	X	-.194	-.194	0	%100
10	M51B	Z	-.112	-.112	0	%100
11	M52B	X	-.776	-.776	0	%100
12	M52B	Z	-.448	-.448	0	%100
13	M76	X	-1.048	-1.048	0	%100
14	M76	Z	-.605	-.605	0	%100
15	M77	X	-.356	-.356	0	%100
16	M77	Z	-.205	-.205	0	%100
17	M80	X	-.375	-.375	0	%100
18	M80	Z	-.216	-.216	0	%100
19	M84	X	-1.048	-1.048	0	%100
20	M84	Z	-.605	-.605	0	%100
21	M85	X	-1.423	-1.423	0	%100
22	M85	Z	-.822	-.822	0	%100
23	M91	X	-1.499	-1.499	0	%100
24	M91	Z	-.865	-.865	0	%100
25	M25	X	-.621	-.621	0	%100
26	M25	Z	-.358	-.358	0	%100
27	M26	X	-.216	-.216	0	%100
28	M26	Z	-.125	-.125	0	%100
29	M27	X	-.216	-.216	0	%100
30	M27	Z	-.125	-.125	0	%100
31	M28	X	-.349	-.349	0	%100
32	M28	Z	-.202	-.202	0	%100
33	M31	X	-.776	-.776	0	%100
34	M31	Z	-.448	-.448	0	%100
35	M32	X	-.194	-.194	0	%100
36	M32	Z	-.112	-.112	0	%100
37	M36	X	-1.048	-1.048	0	%100
38	M36	Z	-.605	-.605	0	%100
39	M37	X	-1.423	-1.423	0	%100
40	M37	Z	-.822	-.822	0	%100
41	M39	X	-1.499	-1.499	0	%100
42	M39	Z	-.865	-.865	0	%100
43	M41	X	-1.048	-1.048	0	%100
44	M41	Z	-.605	-.605	0	%100
45	M42	X	-.356	-.356	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
46	M42	Z	-.205	-.205	0	%100
47	M44	X	-.375	-.375	0	%100
48	M44	Z	-.216	-.216	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-.864	-.864	0	%100
52	M50A	Z	-.499	-.499	0	%100
53	M51C	X	-.864	-.864	0	%100
54	M51C	Z	-.499	-.499	0	%100
55	M52A	X	-1.397	-1.397	0	%100
56	M52A	Z	-.807	-.807	0	%100
57	M55	X	-.194	-.194	0	%100
58	M55	Z	-.112	-.112	0	%100
59	M56	X	-.194	-.194	0	%100
60	M56	Z	-.112	-.112	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-.356	-.356	0	%100
64	M61	Z	-.205	-.205	0	%100
65	M63	X	-.375	-.375	0	%100
66	M63	Z	-.216	-.216	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-.356	-.356	0	%100
70	M66	Z	-.205	-.205	0	%100
71	M68	X	-.375	-.375	0	%100
72	M68	Z	-.216	-.216	0	%100
73	M73	X	-.198	-.198	0	%100
74	M73	Z	-.114	-.114	0	%100
75	M74	X	-.198	-.198	0	%100
76	M74	Z	-.114	-.114	0	%100
77	M75	X	-.79	-.79	0	%100
78	M75	Z	-.456	-.456	0	%100
79	M76A	X	-.759	-.759	0	%100
80	M76A	Z	-.438	-.438	0	%100
81	M77A	X	-.257	-.257	0	%100
82	M77A	Z	-.148	-.148	0	%100
83	M78	X	-.759	-.759	0	%100
84	M78	Z	-.438	-.438	0	%100
85	MP1A	X	-.553	-.553	0	%100
86	MP1A	Z	-.319	-.319	0	%100
87	MP2A	X	-.553	-.553	0	%100
88	MP2A	Z	-.319	-.319	0	%100
89	MP3A	X	-.553	-.553	0	%100
90	MP3A	Z	-.319	-.319	0	%100
91	MP4A	X	-.553	-.553	0	%100
92	MP4A	Z	-.319	-.319	0	%100
93	MP1C	X	-.553	-.553	0	%100
94	MP1C	Z	-.319	-.319	0	%100
95	MP2C	X	-.553	-.553	0	%100
96	MP2C	Z	-.319	-.319	0	%100
97	MP3C	X	-.553	-.553	0	%100
98	MP3C	Z	-.319	-.319	0	%100
99	MP4C	X	-.553	-.553	0	%100
100	MP4C	Z	-.319	-.319	0	%100
101	MP1B	X	-.553	-.553	0	%100
102	MP1B	Z	-.319	-.319	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
103	MP2B	X	-.553	-.553	0	%100
104	MP2B	Z	-.319	-.319	0	%100
105	MP3B	X	-.553	-.553	0	%100
106	MP3B	Z	-.319	-.319	0	%100
107	MP4B	X	-.553	-.553	0	%100
108	MP4B	Z	-.319	-.319	0	%100
109	M104	X	-.452	-.452	0	%100
110	M104	Z	-.261	-.261	0	%100
111	M105	X	-.167	-.167	0	%100
112	M105	Z	-.097	-.097	0	%100
113	M106	X	-.167	-.167	0	%100
114	M106	Z	-.097	-.097	0	%100
115	M107	X	-.669	-.669	0	%100
116	M107	Z	-.387	-.387	0	%100
117	M114	X	-.227	-.227	0	%100
118	M114	Z	-.131	-.131	0	%100
119	M115	X	-.907	-.907	0	%100
120	M115	Z	-.524	-.524	0	%100
121	M116	X	-.227	-.227	0	%100
122	M116	Z	-.131	-.131	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-.119	-.119	0	%100
2	M4	Z	-.207	-.207	0	%100
3	M10	X	-.374	-.374	0	%100
4	M10	Z	-.648	-.648	0	%100
5	M43	X	-.374	-.374	0	%100
6	M43	Z	-.648	-.648	0	%100
7	M46	X	-.605	-.605	0	%100
8	M46	Z	-1.048	-1.048	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.336	-.336	0	%100
12	M52B	Z	-.582	-.582	0	%100
13	M76	X	-.202	-.202	0	%100
14	M76	Z	-.349	-.349	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-.202	-.202	0	%100
20	M84	Z	-.349	-.349	0	%100
21	M85	X	-.616	-.616	0	%100
22	M85	Z	-1.067	-1.067	0	%100
23	M91	X	-.649	-.649	0	%100
24	M91	Z	-1.124	-1.124	0	%100
25	M25	X	-.478	-.478	0	%100
26	M25	Z	-.828	-.828	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-.336	-.336	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
34	M31	Z	-.582	-.582	0	%100
35	M32	X	-.336	-.336	0	%100
36	M32	Z	-.582	-.582	0	%100
37	M36	X	-.807	-.807	0	%100
38	M36	Z	-1.397	-1.397	0	%100
39	M37	X	-.616	-.616	0	%100
40	M37	Z	-1.067	-1.067	0	%100
41	M39	X	-.649	-.649	0	%100
42	M39	Z	-1.124	-1.124	0	%100
43	M41	X	-.807	-.807	0	%100
44	M41	Z	-1.397	-1.397	0	%100
45	M42	X	-.616	-.616	0	%100
46	M42	Z	-1.067	-1.067	0	%100
47	M44	X	-.649	-.649	0	%100
48	M44	Z	-1.124	-1.124	0	%100
49	M49	X	-.119	-.119	0	%100
50	M49	Z	-.207	-.207	0	%100
51	M50A	X	-.374	-.374	0	%100
52	M50A	Z	-.648	-.648	0	%100
53	M51C	X	-.374	-.374	0	%100
54	M51C	Z	-.648	-.648	0	%100
55	M52A	X	-.605	-.605	0	%100
56	M52A	Z	-1.048	-1.048	0	%100
57	M55	X	-.336	-.336	0	%100
58	M55	Z	-.582	-.582	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.202	-.202	0	%100
62	M60	Z	-.349	-.349	0	%100
63	M61	X	-.616	-.616	0	%100
64	M61	Z	-1.067	-1.067	0	%100
65	M63	X	-.649	-.649	0	%100
66	M63	Z	-1.124	-1.124	0	%100
67	M65	X	-.202	-.202	0	%100
68	M65	Z	-.349	-.349	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	-.342	-.342	0	%100
74	M73	Z	-.593	-.593	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.342	-.342	0	%100
78	M75	Z	-.593	-.593	0	%100
79	M76A	X	-.534	-.534	0	%100
80	M76A	Z	-.926	-.926	0	%100
81	M77A	X	-.245	-.245	0	%100
82	M77A	Z	-.424	-.424	0	%100
83	M78	X	-.245	-.245	0	%100
84	M78	Z	-.424	-.424	0	%100
85	MP1A	X	-.319	-.319	0	%100
86	MP1A	Z	-.553	-.553	0	%100
87	MP2A	X	-.319	-.319	0	%100
88	MP2A	Z	-.553	-.553	0	%100
89	MP3A	X	-.319	-.319	0	%100
90	MP3A	Z	-.553	-.553	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	MP4A	X	-.319	-.319	0	%100
92	MP4A	Z	-.553	-.553	0	%100
93	MP1C	X	-.319	-.319	0	%100
94	MP1C	Z	-.553	-.553	0	%100
95	MP2C	X	-.319	-.319	0	%100
96	MP2C	Z	-.553	-.553	0	%100
97	MP3C	X	-.319	-.319	0	%100
98	MP3C	Z	-.553	-.553	0	%100
99	MP4C	X	-.319	-.319	0	%100
100	MP4C	Z	-.553	-.553	0	%100
101	MP1B	X	-.319	-.319	0	%100
102	MP1B	Z	-.553	-.553	0	%100
103	MP2B	X	-.319	-.319	0	%100
104	MP2B	Z	-.553	-.553	0	%100
105	MP3B	X	-.319	-.319	0	%100
106	MP3B	Z	-.553	-.553	0	%100
107	MP4B	X	-.319	-.319	0	%100
108	MP4B	Z	-.553	-.553	0	%100
109	M104	X	-.261	-.261	0	%100
110	M104	Z	-.452	-.452	0	%100
111	M105	X	-.29	-.29	0	%100
112	M105	Z	-.502	-.502	0	%100
113	M106	X	0	0	0	%100
114	M106	Z	0	0	0	%100
115	M107	X	-.29	-.29	0	%100
116	M107	Z	-.502	-.502	0	%100
117	M114	X	0	0	0	%100
118	M114	Z	0	0	0	%100
119	M115	X	-.393	-.393	0	%100
120	M115	Z	-.68	-.68	0	%100
121	M116	X	-.393	-.393	0	%100
122	M116	Z	-.68	-.68	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M51B	Y	-1.601	-4.064	0	.832
2	M51B	Y	-4.064	-6.635	.832	1.665
3	M51B	Y	-6.635	-7.874	1.665	2.497
4	M51B	Y	-7.874	-6.292	2.497	3.329
5	M51B	Y	-6.292	-3.33	3.329	4.162
6	M52B	Y	-3.336	-6.325	0	.832
7	M52B	Y	-6.325	-7.938	.832	1.665
8	M52B	Y	-7.938	-6.771	1.665	2.497
9	M52B	Y	-6.771	-4.259	2.497	3.329
10	M52B	Y	-4.259	-1.808	3.329	4.162
11	M31	Y	-1.812	-4.256	0	.832
12	M31	Y	-4.256	-6.773	.832	1.665
13	M31	Y	-6.773	-7.943	1.665	2.497
14	M31	Y	-7.943	-6.32	2.497	3.329
15	M31	Y	-6.32	-3.329	3.329	4.162
16	M32	Y	-3.33	-6.293	0	.832
17	M32	Y	-6.293	-7.874	.832	1.665
18	M32	Y	-7.874	-6.636	1.665	2.497
19	M32	Y	-6.636	-4.066	2.497	3.329
20	M32	Y	-4.066	-1.597	3.329	4.162
21	M55	Y	-1.601	-4.064	0	.832

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
22	M55	Y	-4.064	-6.635	.832	1.665
23	M55	Y	-6.635	-7.874	1.665	2.497
24	M55	Y	-7.874	-6.292	2.497	3.329
25	M55	Y	-6.292	-3.33	3.329	4.162
26	M56	Y	-3.336	-6.325	0	.832
27	M56	Y	-6.325	-7.938	.832	1.665
28	M56	Y	-7.938	-6.771	1.665	2.497
29	M56	Y	-6.771	-4.259	2.497	3.329
30	M56	Y	-4.259	-1.808	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M51B	Y	-5.22	-13.247	0	.832
2	M51B	Y	-13.247	-21.631	.832	1.665
3	M51B	Y	-21.631	-25.671	1.665	2.497
4	M51B	Y	-25.671	-20.511	2.497	3.329
5	M51B	Y	-20.511	-10.855	3.329	4.162
6	M52B	Y	-10.875	-20.618	0	.832
7	M52B	Y	-20.618	-25.878	.832	1.665
8	M52B	Y	-25.878	-22.072	1.665	2.497
9	M52B	Y	-22.072	-13.884	2.497	3.329
10	M52B	Y	-13.884	-5.896	3.329	4.162
11	M31	Y	-5.907	-13.874	0	.832
12	M31	Y	-13.874	-22.081	.832	1.665
13	M31	Y	-22.081	-25.893	1.665	2.497
14	M31	Y	-25.893	-20.605	2.497	3.329
15	M31	Y	-20.605	-10.851	3.329	4.162
16	M32	Y	-10.856	-20.515	0	.832
17	M32	Y	-20.515	-25.668	.832	1.665
18	M32	Y	-25.668	-21.635	1.665	2.497
19	M32	Y	-21.635	-13.254	2.497	3.329
20	M32	Y	-13.254	-5.208	3.329	4.162
21	M55	Y	-5.22	-13.247	0	.832
22	M55	Y	-13.247	-21.631	.832	1.665
23	M55	Y	-21.631	-25.671	1.665	2.497
24	M55	Y	-25.671	-20.511	2.497	3.329
25	M55	Y	-20.511	-10.855	3.329	4.162
26	M56	Y	-10.875	-20.618	0	.832
27	M56	Y	-20.618	-25.878	.832	1.665
28	M56	Y	-25.878	-22.072	1.665	2.497
29	M56	Y	-22.072	-13.884	2.497	3.329
30	M56	Y	-13.884	-5.896	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.005
2	N55	N57	N33	N32	Y	Two Way	-.005
3	N84	N86	N62	N61	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.016
2	N55	N57	N33	N32	Y	Two Way	-.016
3	N84	N86	N62	N61	Y	Two Way	-.016

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	1085.858	10	236.733	8	5198.855	1	.221	8	1.853	4	.345	11
2		min	-1088.329	4	-305.109	2	-2467.497	7	-.335	2	-1.854	10	-.291	5
3	N30A	max	4652.636	9	297.359	3	1355.593	2	.32	9	1.967	12	.251	49
4		min	-2281.381	3	-269.521	9	-2718.275	8	-.407	39	-1.966	6	-.127	6
5	N59	max	1956.041	11	227.662	12	1286.661	11	.276	8	1.814	8	.257	11
6		min	-4319.936	5	-302.812	30	-2657.079	5	-.458	38	-1.813	2	-.536	29
7	N93A	max	36.728	10	3190.486	13	-124.842	7	0	51	0	51	0	51
8		min	-36.44	4	102.806	7	-4468.363	13	0	1	0	1	0	1
9	N94A	max	-104.701	3	3191.947	21	2235.063	21	0	51	0	51	0	51
10		min	-3871.609	21	100.042	3	60.48	3	0	1	0	1	0	1
11	N95	max	3862.788	17	3184.953	17	2230.43	17	0	51	0	51	0	51
12		min	151.527	11	138.042	11	87.43	11	0	1	0	1	0	1
13	Totals:	max	5333.284	10	8612.603	21	5521.8	1						
14		min	-5333.284	4	2994.551	3	-5521.801	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear	...	Loc[ft]	Dir	LC	phi*Pnc	[...phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M4	HSS4X4X4	.164	3.783	13	.071	3.837	y	23	124657.7...	139518	16.181	16.181	1...	H1-1b	
2	M10	L3X3X3	.513	2.375	24	.441	.223	z	8	26973.922	35316	1.32	2.833	1...	H2-1	
3	M43	L3X3X3	.524	0	21	.404	2.152	z	6	26973.922	35316	1.32	2.833	1...	H2-1	
4	M46	PL1/2x6	.343	.516	1	.311	.516	y	22	66009.234	97200	1.012	12.15	1...	H1-1b	
5	M51B	L2x2x3	.326	4.162	2	.028	0	y	20	9823.122	23392.8	.558	1.101	1...	H2-1	
6	M52B	L2x2x3	.316	0	12	.032	4.162	y	19	9823.122	23392.8	.558	1.098	1...	H2-1	
7	M76	PL3/8x6	.201	0	5	.183	0	y	22	70677.939	72900	.57	9.113	1...	H1-1b	
8	M77	PL3/8x6	.212	.167	8	.086	0	y	24	71601.728	72900	.57	9.113	1...	H1-1b	
9	M80	PL1/2x6	.103	.112	1	.259	0	y	24	96757.507	97200	1.012	12.15	1...	H1-1b	
10	M84	PL3/8x6	.210	0	4	.201	0	y	19	70677.939	72900	.57	9.113	1...	H1-1b	
11	M85	PL3/8x6	.204	.167	7	.092	0	y	21	71601.728	72900	.57	9.113	1...	H1-1b	
12	M91	PL1/2x6	.109	.112	7	.185	0	y	14	96757.507	97200	1.012	12.15	1...	H1-1b	
13	M25	HSS4X4X4	.163	3.783	21	.071	3.837	y	19	124657.7...	139518	16.181	16.181	1...	H1-1b	
14	M26	L3X3X3	.512	2.375	20	.430	.223	z	3	26973.922	35316	1.32	2.833	1...	H2-1	
15	M27	L3X3X3	.522	0	17	.413	2.152	z	2	26973.922	35316	1.32	2.833	1...	H2-1	
16	M28	PL1/2x6	.335	.516	9	.310	.516	y	18	66009.234	97200	1.012	12.15	1...	H1-1b	
17	M31	L2x2x3	.312	4.162	10	.028	0	y	16	9823.122	23392.8	.558	1.098	1...	H2-1	
18	M32	L2x2x3	.323	0	8	.031	4.162	y	15	9823.122	23392.8	.558	1.101	1...	H2-1	
19	M36	PL3/8x6	.215	0	1	.182	0	y	18	70677.939	72900	.57	9.113	1...	H1-1b	
20	M37	PL3/8x6	.205	.167	4	.086	0	y	20	71601.728	72900	.57	9.113	1...	H1-1b	
21	M39	PL1/2x6	.102	.112	9	.259	0	y	20	96757.507	97200	1.012	12.15	1...	H1-1b	
22	M41	PL3/8x6	.216	0	12	.201	0	y	15	70677.939	72900	.57	9.113	1...	H1-1b	
23	M42	PL3/8x6	.199	.167	2	.092	0	y	17	71601.728	72900	.57	9.113	1...	H1-1b	
24	M44	PL1/2x6	.107	.112	3	.183	0	y	22	96757.507	97200	1.012	12.15	1...	H1-1b	
25	M49	HSS4X4X4	.164	3.783	17	.072	3.837	y	27	124657.7...	139518	16.181	16.181	1...	H1-1b	
26	M50A	L3X3X3	.512	2.375	16	.431	.223	z	12	26973.922	35316	1.32	2.833	1...	H2-1	
27	M51C	L3X3X3	.522	0	13	.401	2.152	z	10	26973.922	35316	1.32	2.833	1...	H2-1	
28	M52A	PL1/2x6	.331	.516	5	.311	.516	y	14	66009.234	97200	1.012	12.15	1...	H1-1b	
29	M55	L2x2x3	.319	4.162	6	.028	0	y	24	9823.122	23392.8	.558	1.101	1...	H2-1	
30	M56	L2x2x3	.314	0	4	.031	4.162	y	23	9823.122	23392.8	.558	1.098	1...	H2-1	
31	M60	PL3/8x6	.199	0	9	.182	0	y	14	70677.939	72900	.57	9.113	1...	H1-1b	
32	M61	PL3/8x6	.209	.167	12	.086	0	y	16	71601.728	72900	.57	9.113	1...	H1-1b	
33	M63	PL1/2x6	.100	.112	5	.259	0	y	16	96757.507	97200	1.012	12.15	1...	H1-1b	
34	M65	PL3/8x6	.210	0	8	.200	0	y	23	70677.939	72900	.57	9.113	1...	H1-1b	
35	M66	PL3/8x6	.196	.167	11	.091	0	y	13	71601.728	72900	.57	9.113	1...	H1-1b	
36	M68	PL1/2x6	.105	.112	11	.184	0	y	18	96757.507	97200	1.012	12.15	1...	H1-1b	
37	M73	PIPE 3.0	.156	6.25	40	.069	6.25	12	28250.554	65205	5.749	5.749	1...	H1-1b		

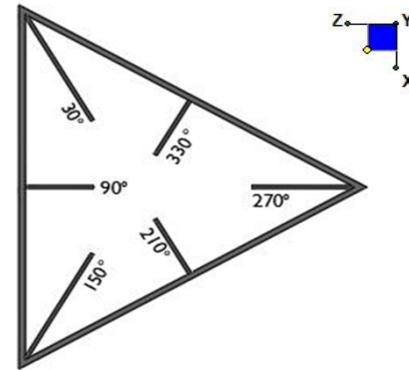
Envelope AISC 15th(360-16): LRFD Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [...]	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Egn
38	M74	PIPE 3.0	.114	6.25	24	.068	6.25		8	28250.554	65205	5.749	5.749	1...	H1-1b
39	M75	PIPE 3.0	.114	6.25	20	.068	6.25		4	28250.554	65205	5.749	5.749	1...	H1-1b
40	M76A	LL2.5x2.5x4	.094	4.635	21	.002	0	y	23	58442.94	76950	4.54	3.402	1	H1-1b*
41	M77A	LL2.5x2.5x4	.094	4.635	17	.002	0	y	19	58442.94	76950	4.54	3.402	1	H1-1b*
42	M78	LL2.5x2.5x4	.094	4.635	13	.002	4.635	y	23	58442.94	76950	4.54	3.402	1	H1-1b*
43	MP1A	PIPE 2.0	.456	4.188	3	.094	4.25		6	20866.733	32130	1.872	1.872	1...	H1-1b
44	MP2A	PIPE 2.0	.421	4.063	3	.097	2.438		3	20866.733	32130	1.872	1.872	2...	H1-1b
45	MP3A	PIPE 2.0	.341	4.063	10	.094	4.063		2	20866.733	32130	1.872	1.872	2...	H1-1b
46	MP4A	PIPE 2.0	.302	3.813	10	.093	3.813		12	20866.733	32130	1.872	1.872	2...	H1-1b
47	MP1C	PIPE 2.0	.450	4.188	11	.094	4.25		2	20866.733	32130	1.872	1.872	2...	H1-1b
48	MP2C	PIPE 2.0	.420	4.063	12	.096	2.438		12	20866.733	32130	1.872	1.872	2...	H1-1b
49	MP3C	PIPE 2.0	.345	4.063	6	.092	4.063		10	20866.733	32130	1.872	1.872	2...	H1-1b
50	MP4C	PIPE 2.0	.305	3.813	6	.095	3.813		8	20866.733	32130	1.872	1.872	2...	H1-1b
51	MP1B	PIPE 2.0	.464	4.188	7	.094	4.25		10	20866.733	32130	1.872	1.872	1...	H1-1b
52	MP2B	PIPE 2.0	.433	4.063	8	.098	4.063		7	20866.733	32130	1.872	1.872	2...	H1-1b
53	MP3B	PIPE 2.0	.354	4.063	2	.092	4.063		1	20866.733	32130	1.872	1.872	2...	H1-1b
54	MP4B	PIPE 2.0	.313	3.813	2	.092	3.813		4	20866.733	32130	1.872	1.872	2...	H1-1b
55	M104	PIPE 2.0	.098	2.5	12	.018	2.5		12	28843.414	32130	1.872	1.872	2...	H1-1b
56	M105	PIPE 2.5	.202	11.589	4	.095	2.083		8	14558.792	50715	3.596	3.596	1...	H1-1b
57	M106	PIPE 2.5	.203	11.589	12	.094	2.083		4	14558.792	50715	3.596	3.596	1...	H1-1b
58	M107	PIPE 2.5	.209	11.589	8	.094	2.083		12	14558.792	50715	3.596	3.596	1...	H1-1b
59	M114	L3X3X4	.414	0	12	.030	.092	z	12	38533.331	46656	1.688	3.756	2...	H2-1
60	M115	L3X3X4	.424	0	8	.030	1.867	z	8	38533.331	46656	1.688	3.756	2...	H2-1
61	M116	L3X3X4	.413	0	4	.030	.184	z	4	38533.331	46656	1.688	3.756	2...	H2-1

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N30A	30
N3	270
N59	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

d_x (in) (Delta X of typ. bolt config. sketch):

d_y (in) (Delta Y of typ. bolt config. sketch):

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

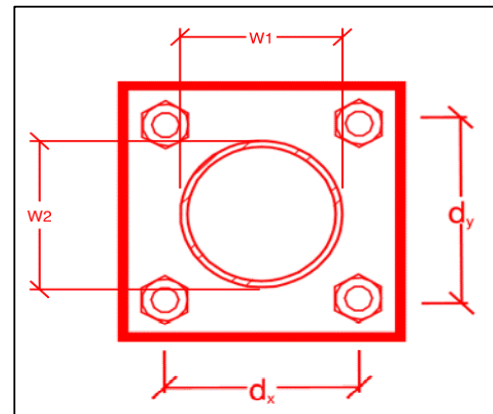
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
8
8
A325N
0.625
8.3
1.9
20.7
12.4
10.0%*
3.9%



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:

Plate Width (in):

Plate Height (in):

W1 (in):

W2 (in):

Fy (ksi, plate):

t_{plate} (in):

Weld Size (1/16 in):

$\Phi \cdot R_n$ (kip/in):

Required Weld Strength (kip/in):

Plate Bending Capacity:

Weld Capacity:

Rect
10
10
4
4
36
0.5
3
4.18
1.21
41.4%
29.0%

Max Plate Bending Strengths

$M_{u_{xx}}$ (kip-in):	0.2
$\Phi \cdot M_{n_{xx}}$ (kip-in):	20.3
$M_{u_{yy}}$ (kip-in):	8.2
$\Phi \cdot M_{n_{yy}}$ (kip-in):	20.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Maser Consulting 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 equipment modifications
 - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed
- Photos taken at Mount Elevation
 - Photos showing each individual sector before and also after installation of equipment.
 - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis

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

Se tor: A

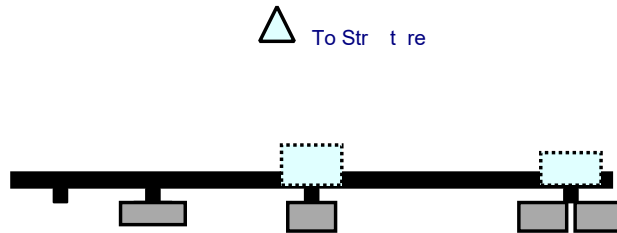
5/26/2021

Str t re Type: Mo opole

Mo t Elev: 149.00

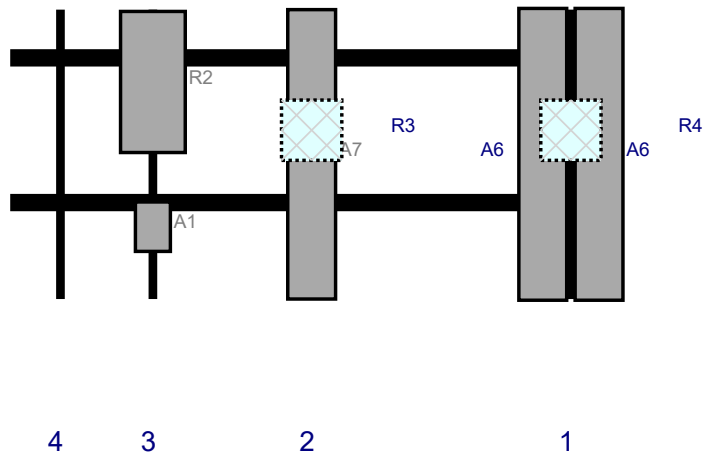
P ge: 1

Plan View



Front View

Loo i g t Str t re



Re #	Model	Height i	Width i	H Dist Fr L	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A6	SBNHH-1D65B	72.6	11.9	139.5	1		Fro t	36	7	Ret i ed	04/14/2021
A6	SBNHH-1D65B	72.6	11.9	139.5	1		Fro t	36	-7	Ret i ed	04/14/2021
R4	B5/B13 RRH-BR04C	15	15	139.5	1		Behi d	30	0	Added	
A7	LN -6514DS-A1M	72	11.9	75	2		Fro t	36	0	Ret i ed	04/14/2021
R3	B2/B66A RRH-BR049	15	15	75	2		Behi d	30	0	Added	
A1	DWMM-12.5-65-8T-CBRS	12.3	8.7	35.5	3		Fro t	54	0	Added	
R2	MT6407-77A	35.1	16.1	35.5	3		Fro t	18	0	Added	

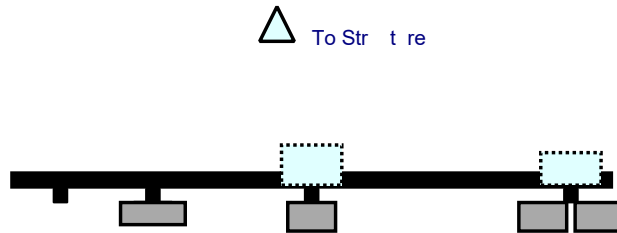
Se tor: **B**

5/26/2021

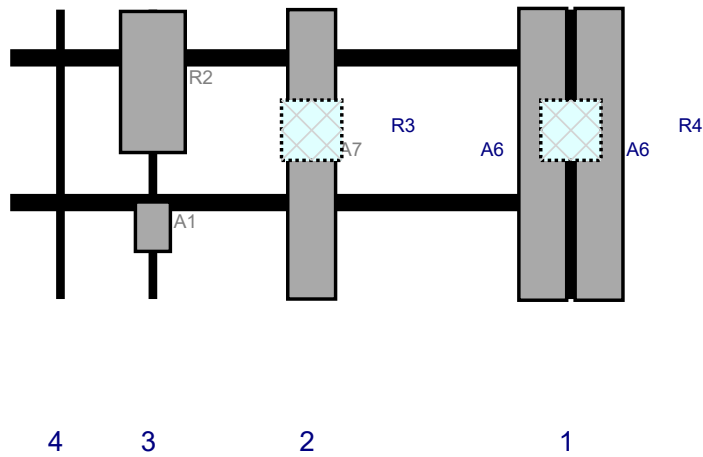
Str t re Type: Mo opole

Mo t Elev: 149.00

P ge: 2

Plan View**Front View**

Loo i g t Str t re



Re #	Model	Height i	Width i	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A1	DWMM-12.5-65-8T-CBRS	12.3	8.7	35.5	3		Fro t	54	0	Added	
R2	MT6407-77A	35.1	16.1	35.5	3		Fro t	18	0	Added	
A6	SBNHH-1D65B	72.6	11.9	139.5	1		Fro t	36	7	Ret i ed	04/14/2021
A6	SBNHH-1D65B	72.6	11.9	139.5	1		Fro t	36	-7	Ret i ed	04/14/2021
R4	B5/B13 RRH-BR04C	15	15	139.5	1		Behi d	30	0	Added	
A7	LN -6514DS-A1M	72	11.9	75	2		Fro t	36	0	Ret i ed	04/14/2021
R3	B2/B66A RRH-BR049	15	15	75	2		Behi d	30	0	Added	

Se tor: C

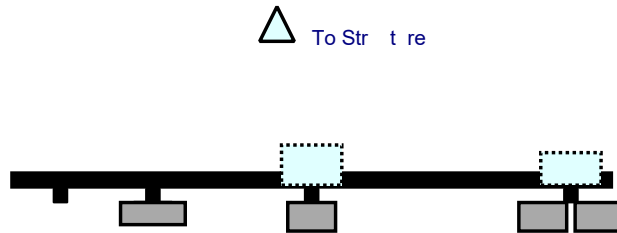
5/26/2021

Str t re Type: Mo opole

Mo t Elev: 149.00

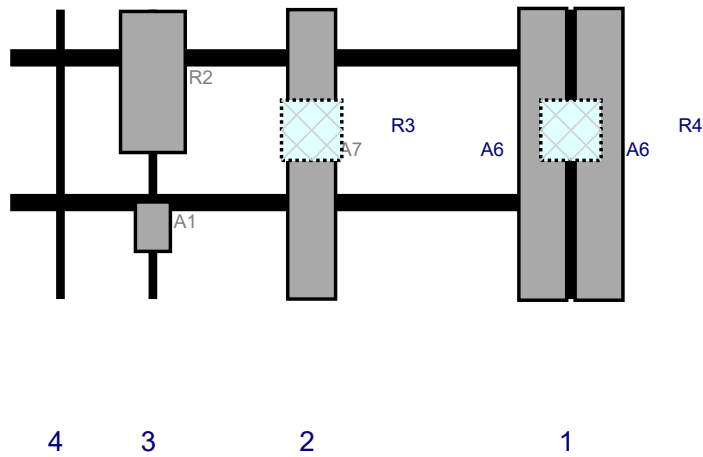
P ge: 3

Plan View



Front View

Loo i g t Str t re



Re #	Model	Height i	Width i	H Dist Fr L	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A6	SBNHH-1D65B	72.6	11.9	139.5	1		Fro t	36	7	Ret i ed	04/14/2021
A6	SBNHH-1D65B	72.6	11.9	139.5	1		Fro t	36	-7	Ret i ed	04/14/2021
R4	B5/B13 RRH-BR04C	15	15	139.5	1		Behi d	30	0	Added	
A7	LN -6514DS-A1M	72	11.9	75	2		Fro t	36	0	Ret i ed	04/14/2021
R3	B2/B66A RRH-BR049	15	15	75	2		Behi d	30	0	Added	
A1	DWMM-12.5-65-8T-CBRS	12.3	8.7	35.5	3		Fro t	54	0	Added	
R2	MT6407-77A	35.1	16.1	35.5	3		Fro t	18	0	Added	

Maser Consulting Connecticut

Subject

TIA-222-H Usage

Site Information

Site ID:	468776-VZW / VERNON 3 CT
Site Name:	VERNON 3 CT
Carrier Name:	Verizon Wireless
Address:	777 Talcottville Road Vernon, Connecticut 06066 Tolland County
Latitude:	41.863453°
Longitude:	-72.483283°

Structure Information

Tower Type:	Monopole
Mount Type:	12.50-Ft Platform

To Whom It May Concern,

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

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

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

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

Sincerely,

Derek Hartzell, PE
Technical Specialist

Site Name: **VERNON 3 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	697	2788	150	0.0045	0.5007	0.89%
VZW CDMA	869	2	391	782	150	0.0012	0.5793	0.22%
VZW Cellular	869	4	818	3272	150	0.0052	0.5793	0.90%
VZW PCS	1980	4	1557	6228	150	0.0100	1.0000	1.00%
VZW AWS	2125	4	1541	6164	150	0.0099	1.0000	0.99%
VZW CBAND	3730	4	6531	26124	150	0.0418	1.0000	4.18%
VZW CBRS	3625	4	12	48	150	0.0001	1.0000	0.01%
Total Percentage of Maximum Permissible Exposure								8.17%

*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

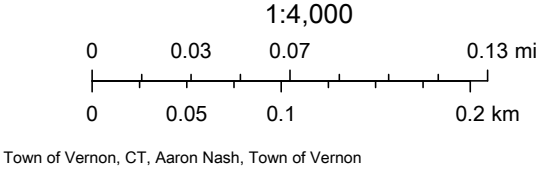
Absolute worst case maximum values used.

302529 - Vernon Ct - Assessors Map



August 12, 2021

----- User drawn lines
TaxParcelPublishing



Tax ID 07-0002-00078

Printed 02/27/2020

Card No. 1 of 2

777 REALTY LLC
 777 TALCOTTVILLE RD
 VERNON, CT 06066
 CENSUS TRACT: 530301
 1/24/11 25% LAWRENCE A SCRANTON TRUST,
 37.5% L
 THOMAS SCRANTON, 37.5% S CHRISTOPHER
 SCRANTON

Neighborhood Number
 11900

Neighborhood Name
 General Commercial A

TAXING DISTRICT INFORMATION

Jurisdiction Name Town of Vernon
 Area 146
 Routing Number 8641

Transfer of Ownership

Owner	Consideration	Transfer Date	Deed Book/Page	Deed Type
SCRANTON L THOMAS SCRANTON MATTHEW L	0	09/26/2012	2244 144	Q
SCRANTON L THOMAS & LAWRENCE SCRANTON	692500	02/03/2012	2205 43	W
SCRANTON LAWRENCE A & CHRISTOPHER &	0	01/24/2011	2150 310	P
SCRANTON LAWRENCE A	0	06/15/1999	1209 43	P
SCRANTON LAWRENCE A	0	03/23/1990	790 12	Q
NA	0	01/01/1900	184 519	

Site Description

Topography

Public Utilities
 Electric
 Street or Road
 Paved
 Neighborhood

Zoning:
 Industrial

Legal Acres:
 7.7200

Valuation Record

Assessment Year	2011	2012	2015	2016	2016	2018	2019	
Reason for Change	2011 REVAL	2012	2015	2016 Reval	2016 Reval	2018 ASMT	2019 ASMT	
Market	L 922070	913760	913760	1620000	1620000	1620000	1584000	
	I 827930	1054920	1203830	1741070	1393610	1393610	1393610	
	T 1750000	1968680	2117590	3361070	3013610	3013610	2977610	
70% Assessed/Use	L 645450	639630	639630	1134000	1134000	1134000	1108800	
	I 579550	738450	842680	1218750	975530	975530	975530	
	T 1225000	1378080	1482310	2352750	2109530	2109530	2084330	



Land Size

Land Type	Rating, Soil ID - or - Actual Frontage	Acreage - or - Effective Frontage	Square Feet - or - Effective Depth	Influence Factor

Physical Characteristics

ROOFING

Built-up

WALLS

	B	1	2	U
Frame		Yes		
Guard	Yes	Yes		Yes

FRAMING

	B	1	2	U
F Res	0	21728	0	0

FINISH

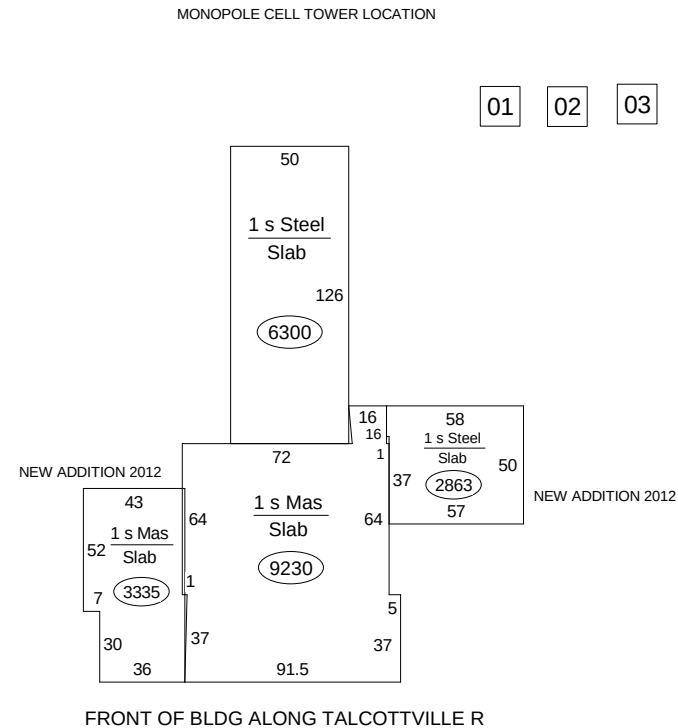
	UF	SF	FO	FD
1	21728	0	0	0
Total	21728	0	0	0

HEATING AND AIR CONDITIONING

	B	1	2	U
Heat	0	9230	0	0
A/C	0	12498	0	0

Tax ID 07-0002-00078

Printed 02/27/2020



Special Features

Description

Summary of Improvements

ID	USE	Story Height	Const Type	Grade	Year Cons	Eff Year	Cond	Size or Area
C	AUTOSERV	0.00		Avg	1965	1985	AV	21728
01	PAVING	0.00	85	Avg	1990	1990	AV	225000
02	FENCECL	6.00	51C	Avg	2002	2002	AV	200
03	SHED	0.00	1	Avg	2010	2010	AV	120

Transfer of Ownership

Valuation Record

Assessment Year

Reason for Change

Market L
I
T
70% Assessed/Use L
I
T

Land Size

Land Type

Rating,
Soil ID
- or -
Actual
FrontageAcreage
- or -
Effective
FrontageSquare Feet
- or -
Effective
Depth

Influence Factor



TALCOTTVILLE RD 777

Physical Characteristics

ROOFING

Metal

Insulation

WALLS

	B	1	2	U
Frame		Yes		
Guard	Yes	Yes		Yes

FRAMING

	B	1	2	U
--	---	---	---	---

FINISH

	UF	SF	FO	FD
1	11516	0	0	0
Total	11516	0	0	0

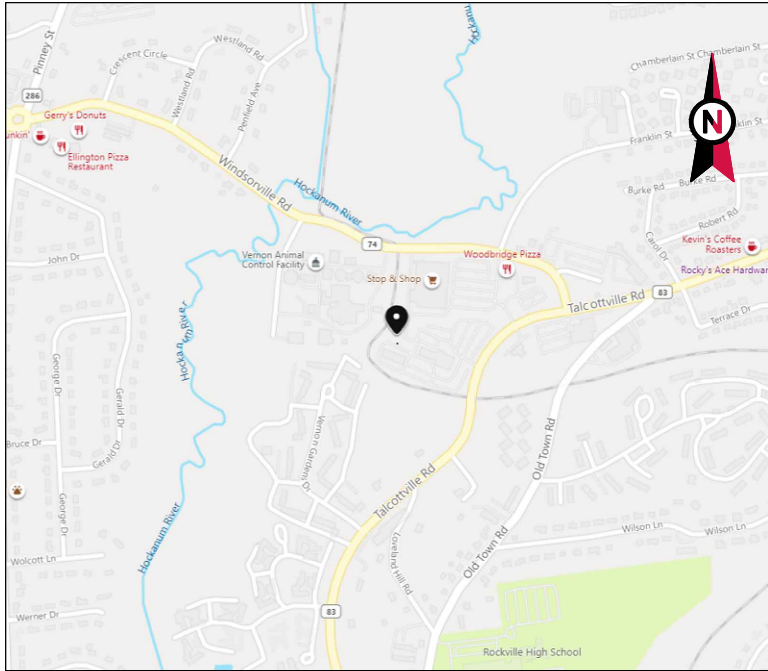
HEATING AND AIR CONDITIONING

	B	1	2	U
Heat	0	11516	0	0

Tax ID 07-0002-00078

Printed 02/27/2020

	Special Features		Summary of Improvements								
	Description		ID	USE	Story Height	Const Type	Grade	Year Cons	Eff Year	Cond	Size or Area
			C	SERVGAR	0.00		Fair	1980	1990	AV	11516

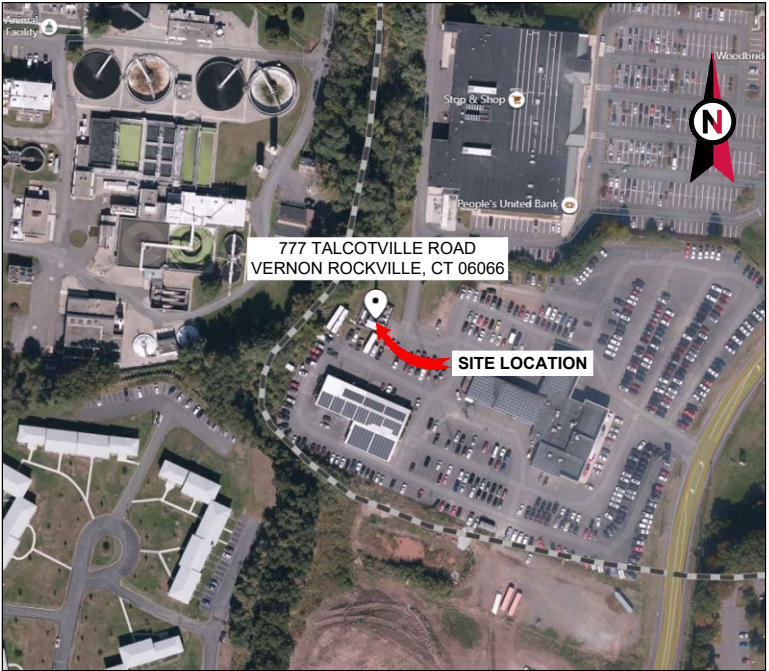


VICINITY MAP



AMERICAN TOWER®

ATC SITE NAME: VERNON CT 6
ATC SITE NUMBER: 302529
VERIZON SITE NAME: VERNON 3 CT
VERIZON SITE NUMBER: 468776
SITE ADDRESS: 777 TALCOTVILLE ROAD
VERNON ROCKVILLE, CT 06066



LOCATION MAP

VERIZON ANTENNA AMENDMENT DRAWINGS

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDE				
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. 2018 CONNECTICUT STATE BUILDING CODE 4. CITY/COUNTY ORDINANCES	<u>SITE ADDRESS:</u> 777 TALCOTVILLE ROAD VERNON ROCKVILLE, CT 06066 COUNTY: TOLLAND <u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 41.86345278 LONGITUDE: -72.48328333 GROUND ELEVATION: 236 AMSL	THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW: <u>TOWER WORK:</u> REMOVE 3 ANTENNA s , 12 RRU s , 2 OVP s AND 6 1-5/8" COA CABLE s INSTALL 6 ANTENNA s , 9 RRU s AND 2 OVP s E ISTING 9 ANTENNA s , 2 6 12 HYBRIFLE CABLE s AND 6 1-5/8" COA CABLE s TO REMAIN	SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
			G-001	TITLE SHEET	0	06/18/21	JRL
			G-002	GENERAL NOTES	0	06/18/21	JRL
			C-101	DETAILED SITE PLAN	0	06/18/21	JRL
			C-201	TOWER ELEVATION	0	06/18/21	JRL
			C-401	ANTENNA INFORMATION SCHEDULE	0	06/18/21	JRL
			C-501	CONSTRUCTION DETAILS	0	06/18/21	JRL
			E-501	GROUNDING DETAILS	0	06/18/21	JRL
			R-601	SUPPLEMENTAL			



CLS ENGINEERING
319 CHAPANOKE ROAD, SUITE 118, RALEIGH, NC 27603
PH: (405)348-5460 FAX: (405)341-4625

COA# PEC.001833 EXP: 08/14/2021

REV.	DESCRIPTION	BY	DATE
A	PRELIM	JRL	05/28/21
0	FOR CONSTRUCTION	JRL	06/18/21

ATC SITE NUMBER:
302529
ATC SITE NAME:
VERNON CT 6
VERIZON SITE NAME:
VERNON 3 CT
SITE ADDRESS:
777 TALCOTVILLE ROAD
VERNON ROCKVILLE, CT 06066



PE# 32402 EXP: 01/31/2022



DATE DRAWN:	06/18/21
ATC JOB NO:	13668989_D1
CUSTOMER ID:	VERNON 3 CT
CUSTOMER #:	468776

TITLE SHEET

SHEET NUMBER:
G-001
REVISION:
0

GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, VERIZON "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 BO 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 IT 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 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 E ISTING 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 E ACT LOCATION OF E ISTING 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 REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON REP PRIOR TO PROCEEDING.

13. EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.

14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH E ISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON CONSTRUCTION MANAGER.

15. ALL CABLE/CONDUIT ENTRY/E IT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.

16. WHERE E ISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE VERIZON 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 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 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 REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.

23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON SPECIFICATIONS AND REQUIREMENTS.

24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON 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 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 BO ES/SLOPING, BARRIERS, ETC.

29. THE CONTRACTOR SHALL PROTECT AT HIS OWN E PENSE, ALL E ISTING 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 E ISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS E PENSE 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 REP. ANY WORK FOUND BY THE VERIZON REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR E PENSE 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 FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE VERIZON 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 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 OR THEIR ARCHITECT/ENGINEER.

SPECIAL CONSTRUCTION

ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:

A. ANTENNA AND COA IAL CABLES ARE FURNISHED BY VERIZON 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 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 HELIA COA IAL 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 COA IAL 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 COA IAL CABLE THREE 3 FEET IN E CESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.

G. ANTENNA AND COA IAL CABLE GROUNDING:

2. ALL E TERIOR #6 GREED GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPICE WEATHERPROOFING KIT #221213 OR EQUAL.

3. ALL COA IAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COA IAL 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.

CLSENGINEERING
PLLC
319 CHAPANOKE ROAD, SUITE 118, RALEIGH, NC 27603
PH: (405)348-5460 FAX: (405)341-4625

COA# PEC.001833 EXP: 08/14/2021

REV.	DESCRIPTION	BY	DATE
A	PRELIM	JRL	05/28/21
0	FOR CONSTRUCTION	JRL	06/18/21

ATC SITE NUMBER:
302529

ATC SITE NAME:
VERNON CT 6

VERIZON SITE NAME:
VERNON 3 CT

SITE ADDRESS:
777 TALCOTVILLE ROAD
VERNON ROCKVILLE, CT 06066

SEAL:

Tyler M. Barker
CLS Engineering PLLC
PE # 32402 Exp. 1/31/2021
COA # PEC.001833 Exp. 8/14/2022
06/21/2021

PE# 32402 EXP: 01/31/2022

DATE DRAWN:	06/18/21
ATC JOB NO:	13668989_D1
CUSTOMER ID:	VERNON 3 CT
CUSTOMER #:	468776

GENERAL NOTES

SHEET NUMBER:

G-002

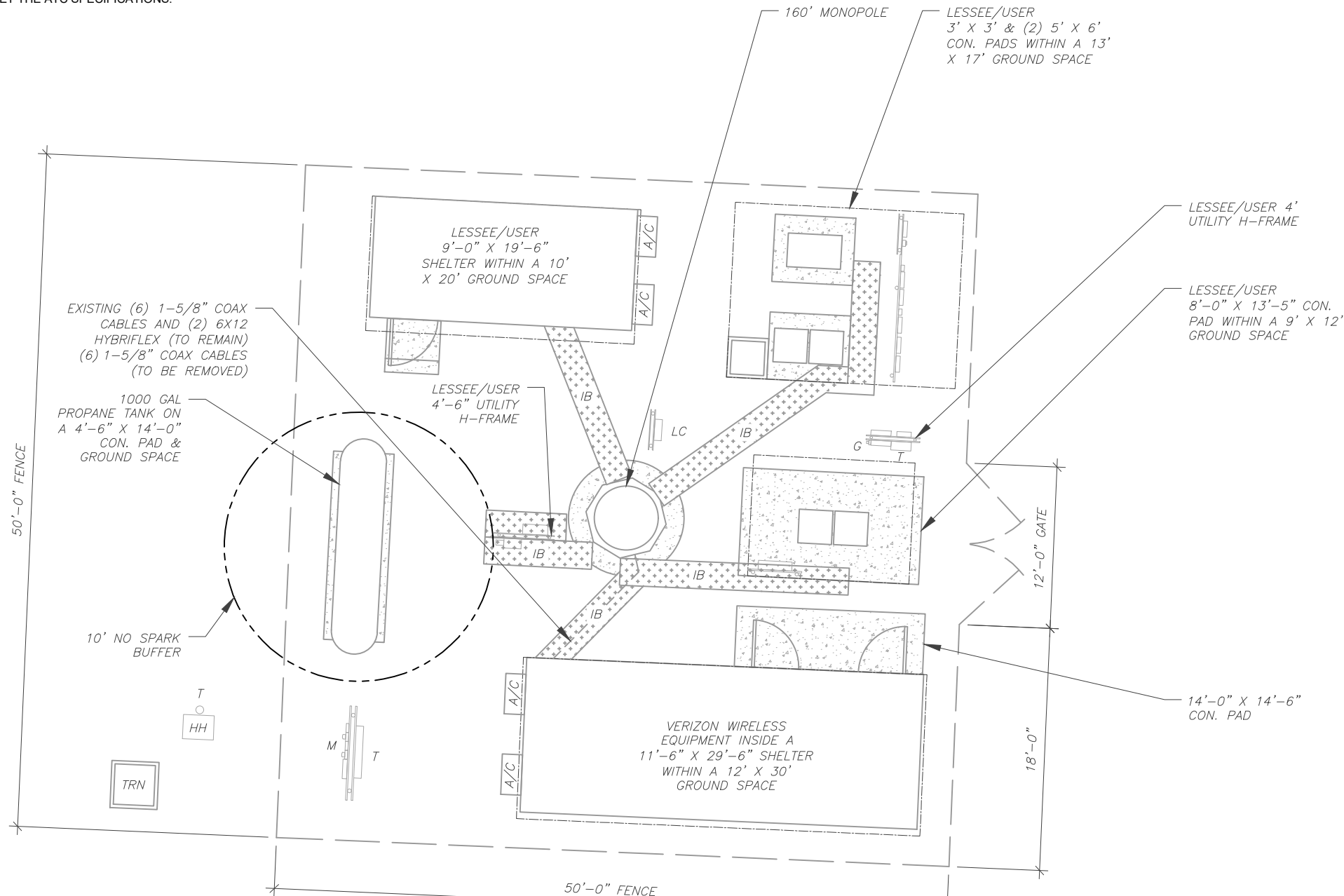
REVISION:

0

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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, COASTPORT, AND COASTCABLE 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, COASTPORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
3. THIS PROJECT INCLUDES NO INSTALL OR MODIFICATION AT GRADE.

⊗	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	KENTRO BO
LC	LIGHTING CONTROL
M	METER
PB	PULL BO
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
—	CHAINLINK FENCE



1. ESTIMATED LENGTH OF PROPOSED CABLE IS 190'. 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 E XISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE E XISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH E XIT 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.

GRAPHIC SCALE

10 0 5 10

IN FEET
1 UNIT 10 FEET



REV.	DESCRIPTION	BY	DATE
A	PRELIM	JRL	05/28/21
0	FOR CONSTRUCTION	JRL	06/18/21

SEAL:



PE# 32402 EXP: 01/31/2022

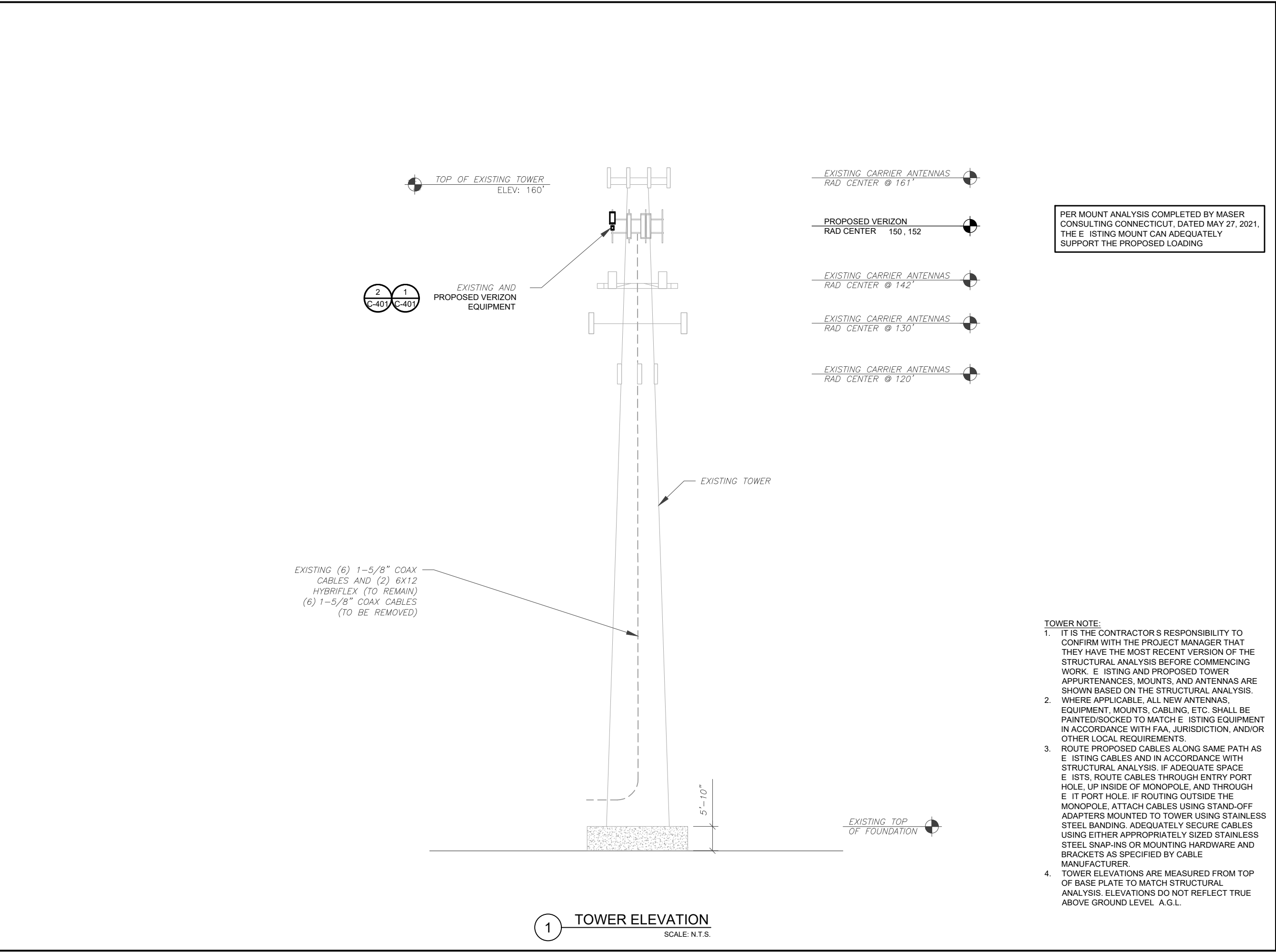


DATE DRAWN:	06/18/21
ATC JOB NO:	13668989_D1
CUSTOMER ID:	VERNON 3 CT
CUSTOMER #:	468776

DETAILED SITE PLAN

C-101

0



AMERICAN TOWER®

CLS ENGINEERING PLLC

319 CHAPANOKE ROAD, SUITE 118, RALEIGH, NC 27603
PH: (405)348-5460 FAX: (405)341-4625

COA# PEC.001833 EXP: 08/14/2021

REV.	DESCRIPTION	BY	DATE
A	PRELIM	JRL	05/28/21
0	FOR CONSTRUCTION	JRL	06/18/21

ATC SITE NUMBER:
302529

ATC SITE NAME:
VERNON CT 6

VERIZON SITE NAME:
VERNON 3 CT

SITE ADDRESS:
777 TALCOTVILLE ROAD
VERNON ROCKVILLE, CT 06066

SEAL:

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

06/21/2021

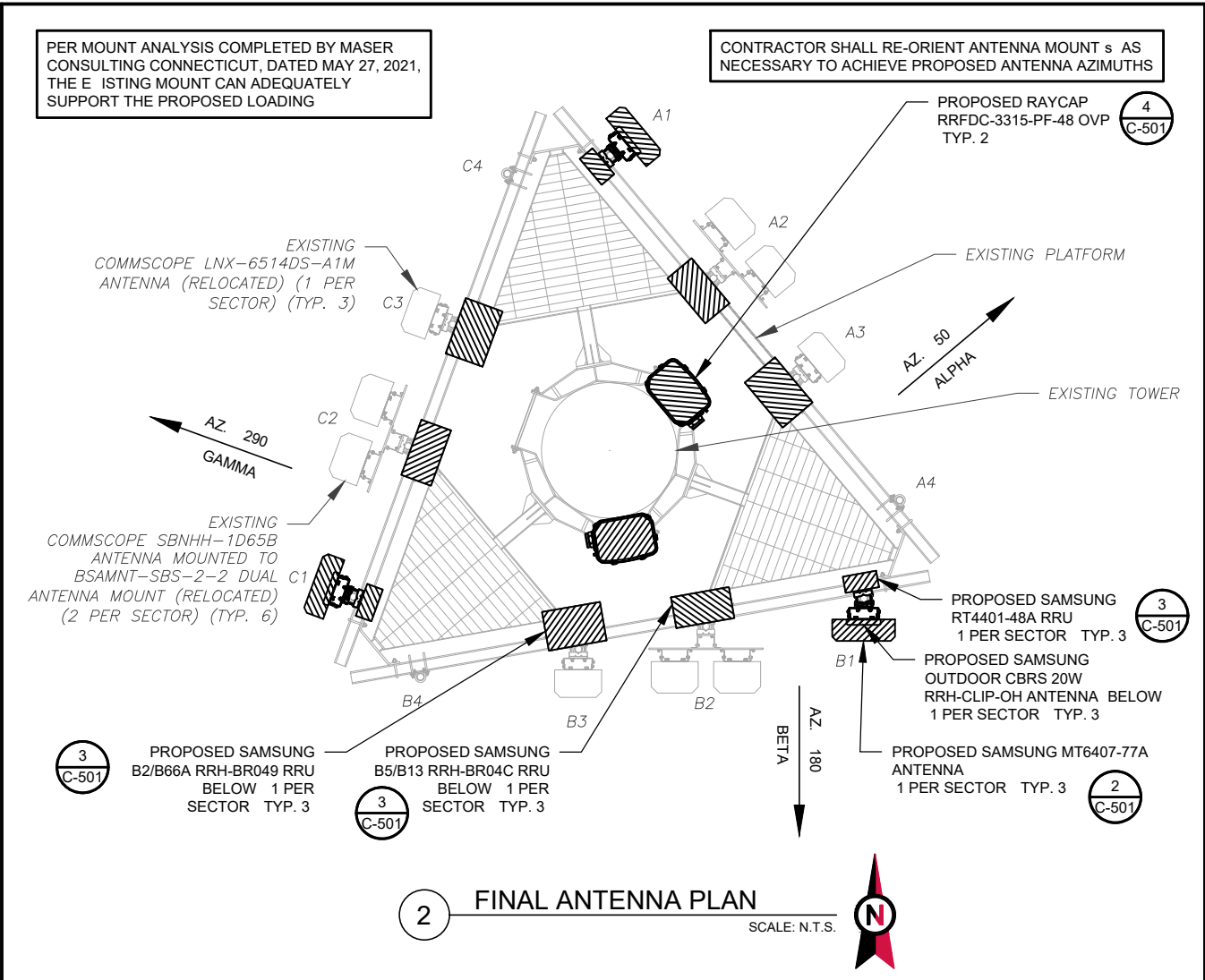
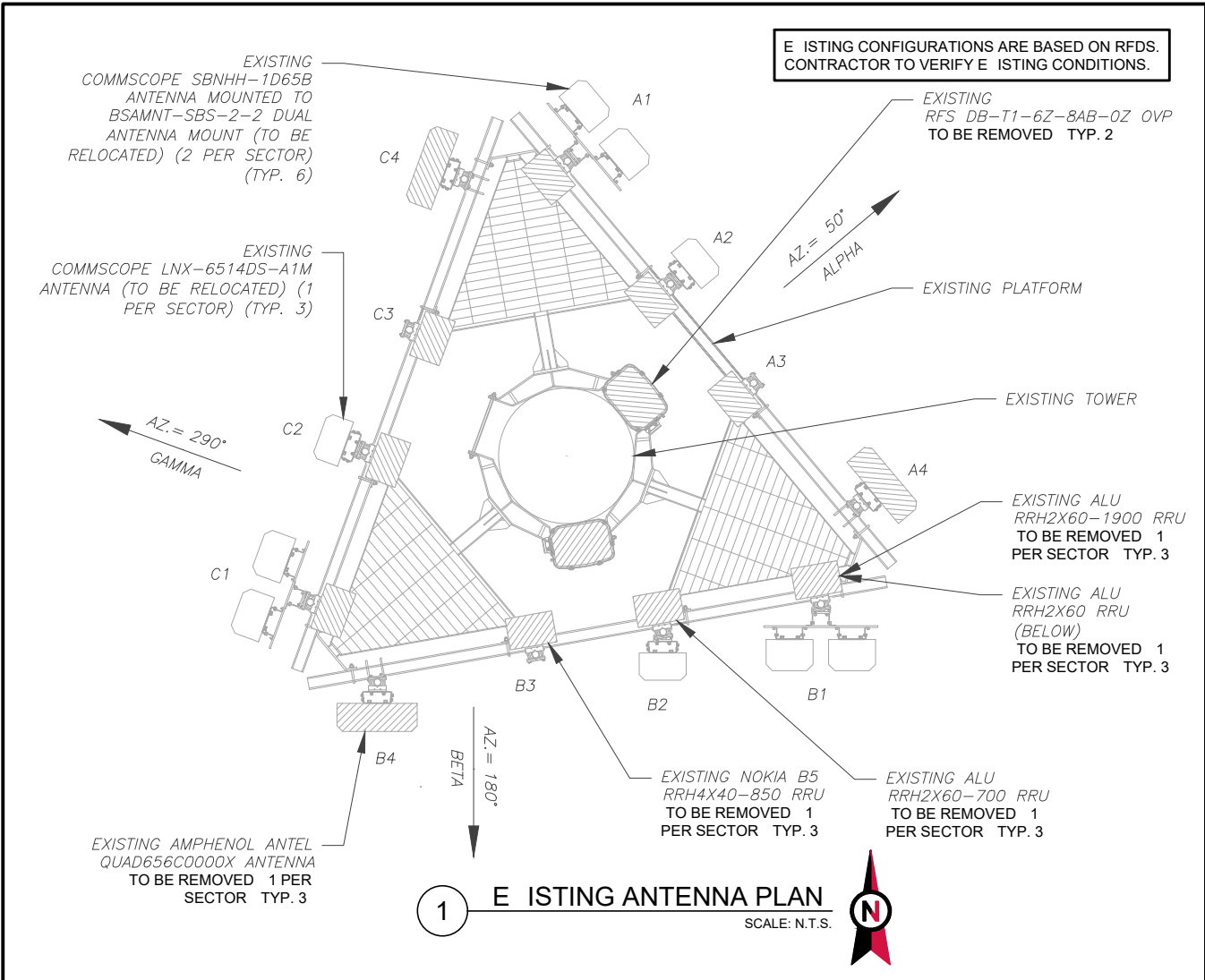
PE# 32402 EXP: 01/31/2022

verizon

DATE DRAWN:	06/18/21
ATC JOB NO:	13668989_D1
CUSTOMER ID:	VERNON 3 CT
CUSTOMER #:	468776

TOWER ELEVATION

SHEET NUMBER: C-201	REVISION: 0
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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	150°	50°	A1	2 COMMSCOPE SBNHH-1D65B	LTE 700/LTE 850 5G/LTE 1900/LTE AWS	0/2/3	REL	ALU RRH2 60-1900 ALU RRH2 60-700	RMV
			A2	COMMSCOPE LN -6514D -A1M	CDMA 850	0/2	REL	-	-
			A3	-	-	-	-	-	-
			A4	AMPHENOL ANTEL QUAD656C0000	LTE 850	0/0	RMV	NOKIA B5 RRH4 40-850	RMV
BETA	150°	180°	B1	2 COMMSCOPE SBNHH-1D65B	LTE 700/LTE 850 5G/LTE 1900/LTE AWS	0/4/3	REL	ALU RRH2 60-1900 ALU RRH2 60-700	RMV
			B2	COMMSCOPE LN -6514D -A1M	CDMA 850	0/4	REL	-	-
			B3	-	-	-	-	-	-
			B4	AMPHENOL ANTEL QUAD656C0000	LTE 850	0/0	RMV	NOKIA B5 RRH4 40-850	RMV
GAMMA	150°	290°	C1	2 COMMSCOPE SBNHH-1D65B	LTE 700/LTE 850 5G/LTE 1900/LTE AWS	0/4/2	REL	ALU RRH2 60-1900 ALU RRH2 60-700	RMV
			C2	COMMSCOPE LN -6514D -A1M	CDMA 850	0/3	REL	-	-
			C3	-	-	-	-	-	-
			C4	AMPHENOL ANTEL QUAD656C0000	LTE 850	0/0	RMV	NOKIA B5 RRH4 40-850	RMV

- NOTES
1. CONFIRM WITH VERIZON 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
REL: TO BE RELOCATED
ADD: TO BE ADDED
- CABLE LENGTHS FOR JUMPERS
- JUNCTION BOX TO RRU: 15
RRU TO ANTENNA: 10

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	150° 152°	50°	A1	SAMSUNG MT6407-77A SAMSUNG OUTDOOR CBRS 20W RRH-CLIP-ON	5G LSUB-6 CBRS	0/3 0/8	ADD	SAMSUNG RT4401-48A	ADD
			A2	2 COMMSCOPE SBNHH-1D65B	LTE 700/LTE 850 5G/LTE 1900/LTE AWS	0/2/3	REL	SAMSUNG B5/B13 RRH-BR04C	ADD
			A3	COMMSCOPE LN -6514D -A1M	CDMA 850	0/2	REL	SAMSUNG B2/B66A RRH-BR049	ADD
			A4	-	-	-	-	-	-
BETA	150° 152°	180°	B1	SAMSUNG MT6407-77A SAMSUNG OUTDOOR CBRS 20W RRH-CLIP-ON	5G LSUB-6 CBRS	0/3 0/8	ADD	SAMSUNG RT4401-48A	ADD
			B2	2 COMMSCOPE SBNHH-1D65B	LTE 700/LTE 850 5G/LTE 1900/LTE AWS	0/2/3	REL	SAMSUNG B5/B13 RRH-BR04C	ADD
			B3	COMMSCOPE LN -6514D -A1M	CDMA 850	0/2	REL	SAMSUNG B2/B66A RRH-BR049	ADD
			B4	-	-	-	-	-	-
GAMMA	150° 152°	290°	C1	SAMSUNG MT6407-77A SAMSUNG OUTDOOR CBRS 20W RRH-CLIP-ON	5G LSUB-6 CBRS	0/3 0/8	ADD	SAMSUNG RT4401-48A	ADD
			C2	2 COMMSCOPE SBNHH-1D65B	LTE 700/LTE 850 5G/LTE 1900/LTE AWS	0/2/3	REL	SAMSUNG B5/B13 RRH-BR04C	ADD
			C3	COMMSCOPE LN -6514D -A1M	CDMA 850	0/2	REL	SAMSUNG B2/B66A RRH-BR049	ADD
			C4	-	-	-	-	-	-

FINAL FIBER DISTRIBUTION / OVP BO		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COA	HYBRID	STATUS
2 RFS DB-T1-6Z-8AB-0Z OVP	RMV	6 1-5/8"	-	RMV
-	-	(6) 1-5/8"	(2) 6X12 HYBRIFLEX	RMN

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION / OVP BO		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COA	HYBRID	STATUS
-	-	(6) 1-5/8"	(2) 6X12 HYBRIFLEX	RMN
2 RAYCAP RRFDC-3315-PF-48 OVP	ADD	-	-	-



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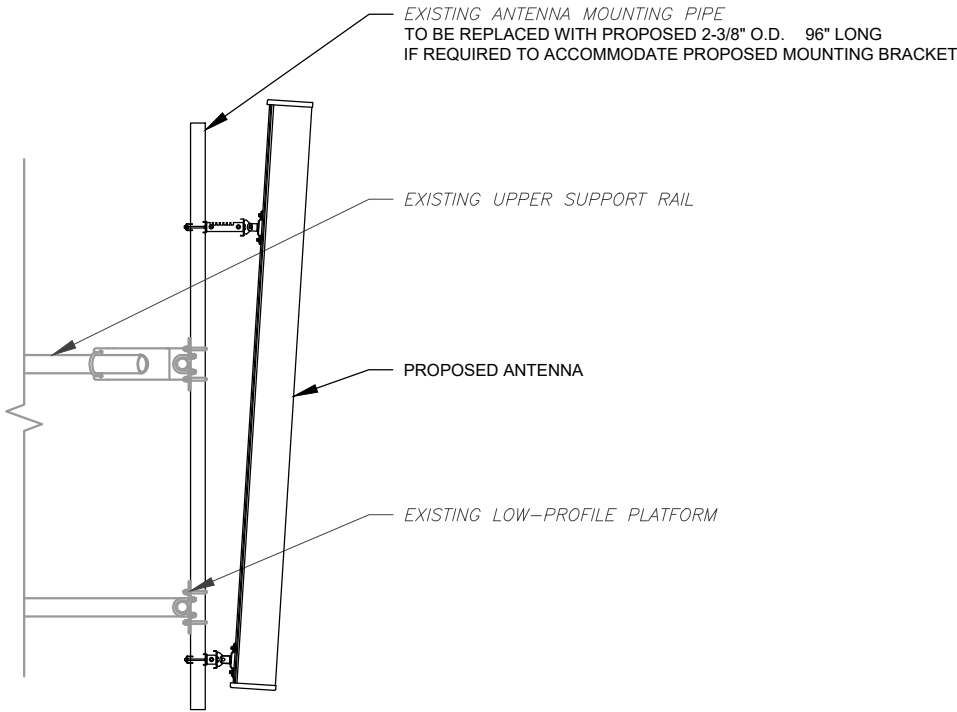
PE# 32402 EXP: 01/31/2022



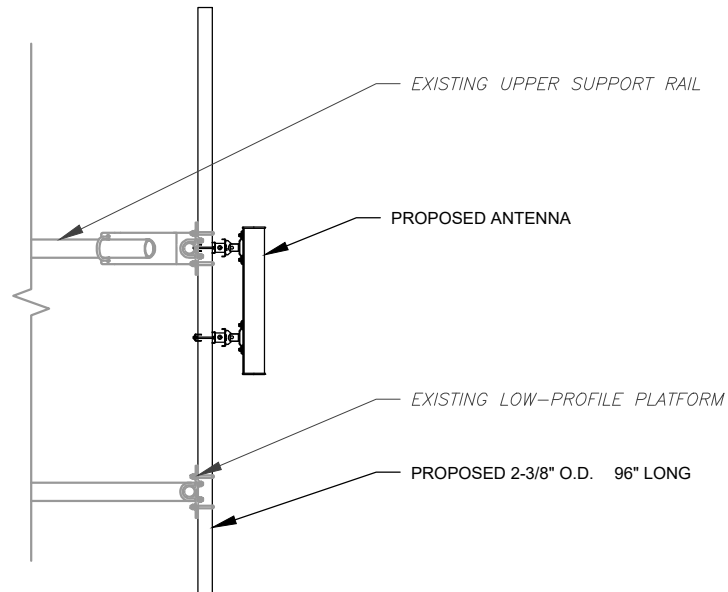
DATE DRAWN:	06/18/21
ATC JOB NO:	13668989_D1
CUSTOMER ID:	VERNON 3 CT
CUSTOMER #:	468776

ANTENNA INFORMATION SCHEDULE

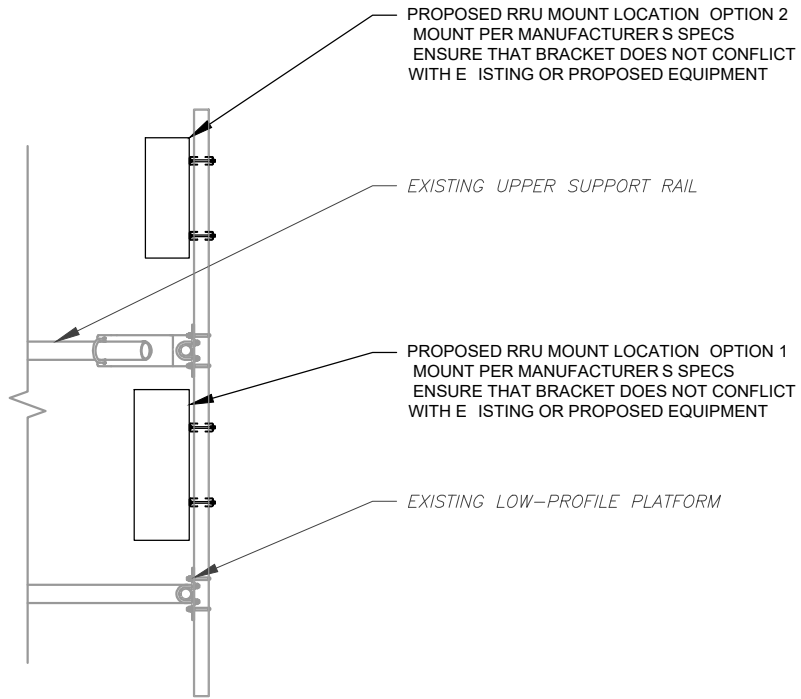
SHEET NUMBER: C-401	REVISION: 0
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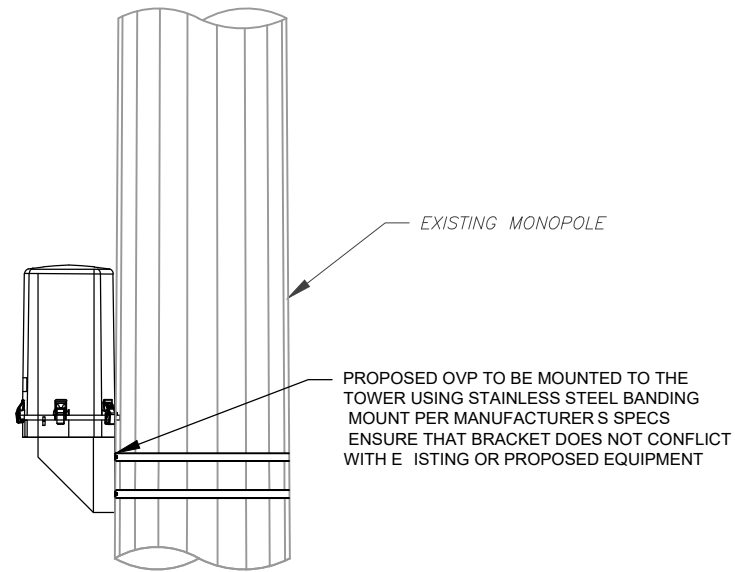
1 PROPOSED ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



2 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



3 PROPOSED RRU MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



4 PROPOSED OVP MOUNTING
SCALE: N.T.S.



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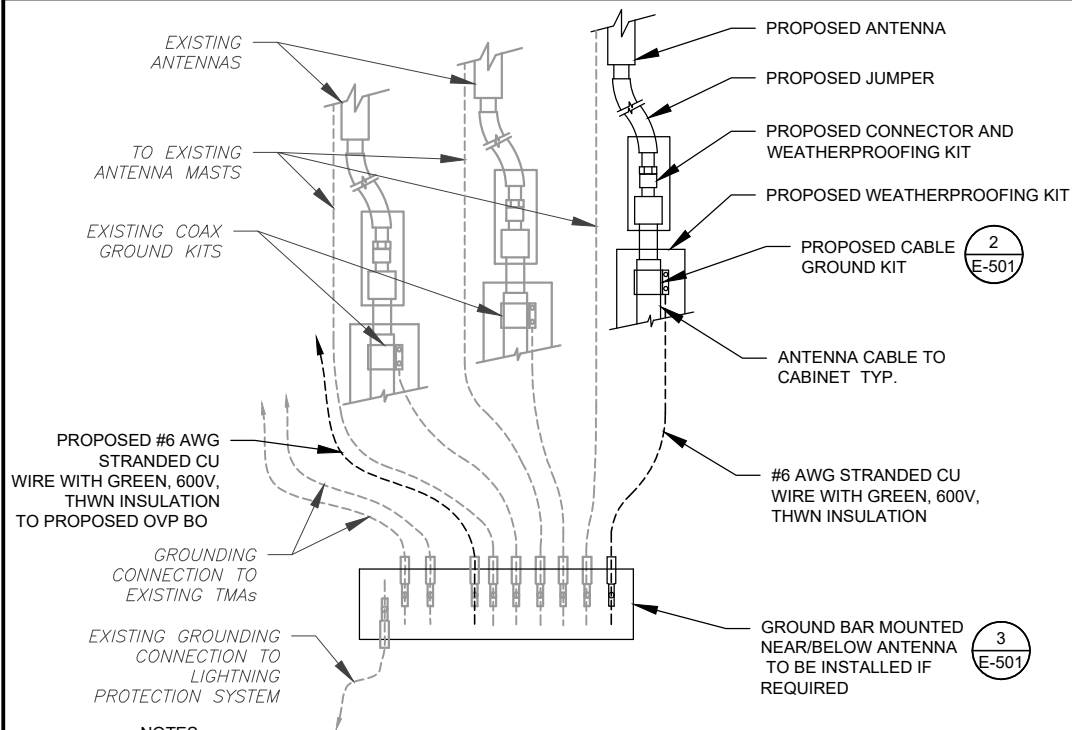
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CONSTRUCTION
DETAILS

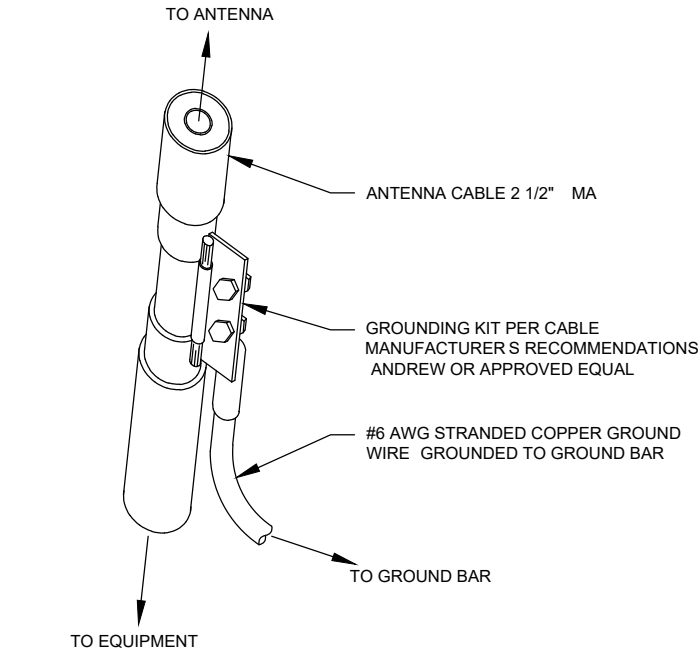
SHEET NUMBER:	REVISION:
C-501	0



NOTES:

1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON E ISTING 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 GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH VERIZON GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

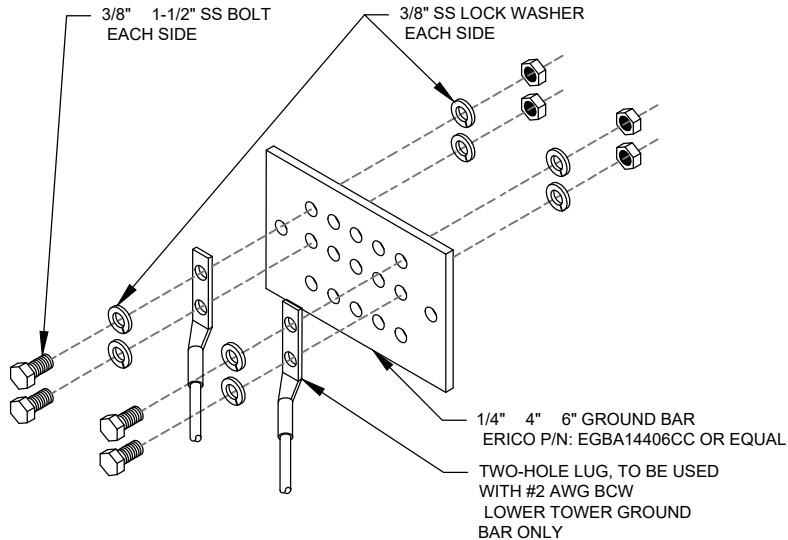
1 TYPICAL ANTENNA GROUNDING DIAGRAM
SCALE: N.T.S.



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. E CEPT 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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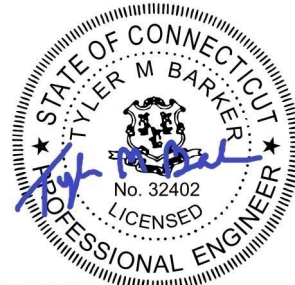
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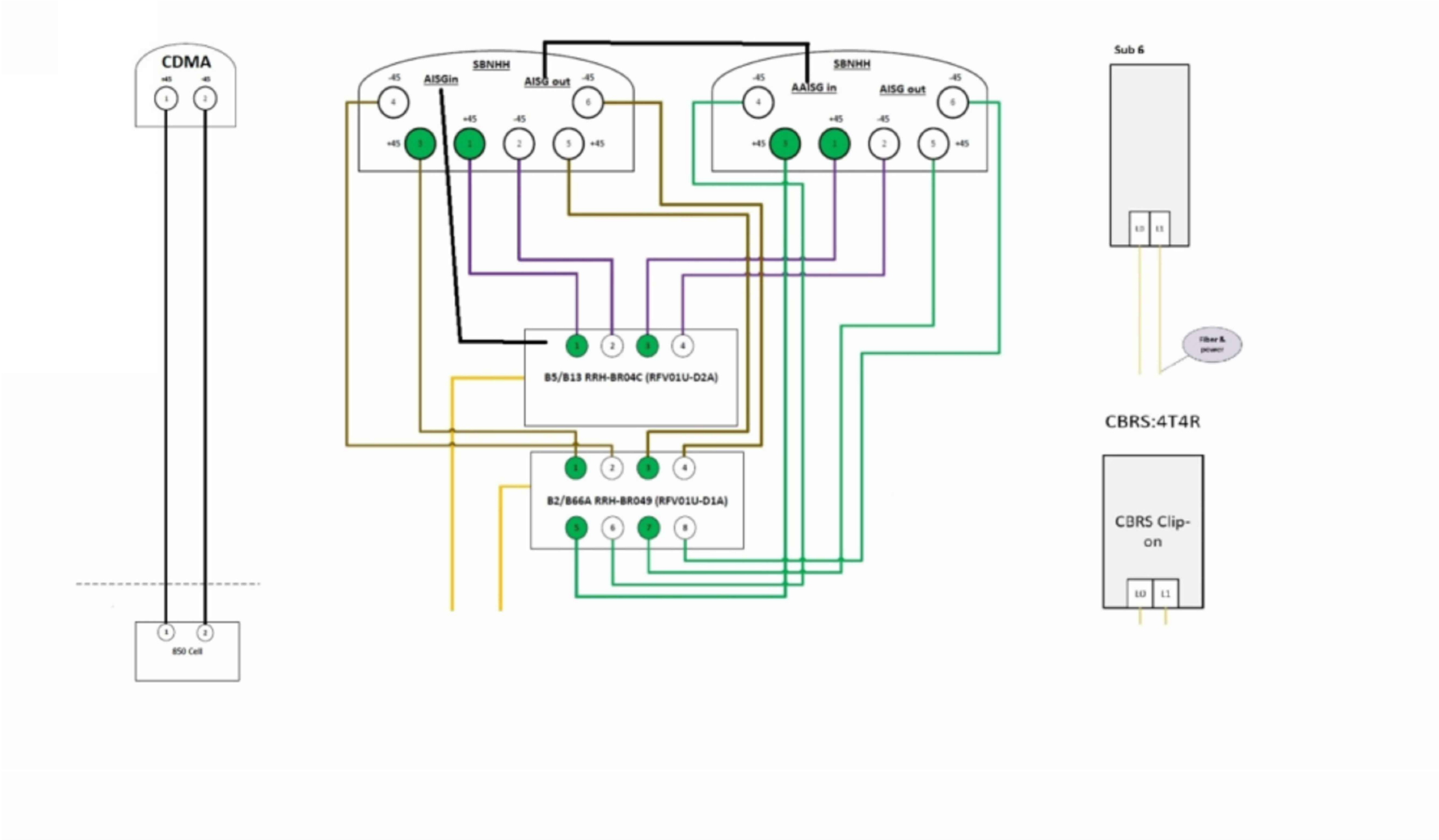
GROUNDING DETAILS

SHEET NUMBER:

E-501

REVISION:

0



SUPPLEMENTAL

SHEET NUMBER:

R-601

REVISION:

0



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

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10050675
Maser Consulting Connecticut Project #: 21777584A

May 27, 2021

Site Information

Site ID: 468776-VZW / VERNON 3 CT
Site Name: VERNON 3 CT
Carrier Name: Verizon Wireless
Address: 777 Talcottville Road
Vernon, Connecticut 06066
Tolland County
Latitude: 41.863453°
Longitude: -72.483283°

Structure Information

Tower Type: Monopole
Mount Type: 12.50-Ft Platform

FUZE ID # 16232017

Analysis Results

Platform: 52.4% Pass*

*Results valid after hardware upgrades noted in the PMI Requirements are installed

***Contractor PMI Requirements:

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

Report Prepared By: Andy Hanes

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. PLEASE REFERENCE THE MOUNT ANALYSIS REPORT FOR COMPLETE MOUNT ANALYSIS CALCULATIONS AND DETAILS. SUPPLEMENTAL PAGES INCLUDED IN THE CONSTRUCTION DRAWINGS ARE FOR REFERENCE ONLY. GENERAL CONTRACTOR IS TO VERIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS PRIOR TO CONTRUCTION.