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

September 2, 2021

Denise Sabo
Northeast Site Solutions
4 Angela's Way
Burlington, CT 06013
denise@northeastsitesolutions.com

RE: **EM-VER-108-210726** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 691 Oxford Road, Oxford, Connecticut.

Dear Ms. Sabo:

The Connecticut Siting Council (Council) is in receipt of your correspondence of August 25, 2021 and August 30, 2021 submitted in response to the Council's August 25, 2021 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

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

Thank you for your attention and cooperation.

Sincerely,

Melanie A. Bachman
Executive Director

MAB/emr

From: Deborah Chase <deborah@northeastsitesolutions.com>
Sent: Monday, August 30, 2021 3:54 PM
To: Walsh, Christina <Christina.Walsh@ct.gov>; Robidoux, Evan <Evan.Robidoux@ct.gov>; CSC-DL Siting Council <Siting.Council@ct.gov>; Bachman, Melanie <Melanie.Bachman@ct.gov>; Mathews, Lisa A <Lisa.A.Mathews@ct.gov>; Fontaine, Lisa <Lisa.Fontaine@ct.gov>
Cc: Victoria Masse <victoria@northeastsitesolutions.com>
Subject: RE: Council Incomplete Letter for EM-VER-108-210726 (691 Oxford Road, Oxford)

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.

Hello
Sorry for the confusion.
This is the tracking number for the recipients:

George Temple- First Selectman- 940550369930044974188.

Steven Macary – Zoning Officer 940550369930044974195

Don and Dave Farm Realty-Property Owners 940550369930044974218

Crown Castle – Tower Owner (Sarah Snell) 940550369930044974232

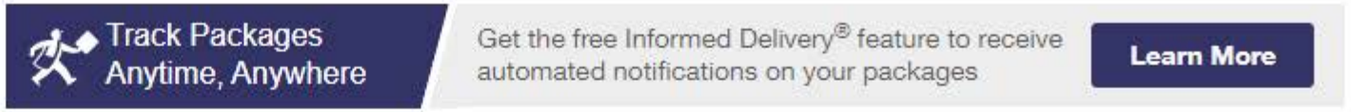
I have attached the screenshots and an updated application with the correct tracking/screenshots matched up.

Thank you very much

USPS Tracking®

Tracking | FAQs >

Track Another Package +



Tracking Number: 9405503699300444974218

Remove ×

Status

Delivered, In/At Mailbox

July 19, 2021 at 9:48 am
OXFORD, CT 06478

Your item was delivered in or at the mailbox at 9:48 am on July 19, 2021 in OXFORD, CT 06478.

USPS Tracking Plus™ Available

Delivered

Text & Email Updates

Tracking History

USPS Tracking Plus™

Product Information

Tracking Number: 9405503699300444974195

Your item was delivered in or at the mailbox at 11:00 am on July 19, 2021 in OXFORD, CT 06478.

USPS Tracking Plus™ Available

Status

Delivered, In/At Mailbox

July 19, 2021 at 11:00 am
OXFORD, CT 06478

Get Updates

Delivered

Text & Email Updates

Tracking History

USPS Tracking Plus™

Product Information

Tracking Number: 9405503699300444974188

Your item was delivered in or at the mailbox at 11:00 am on July 19, 2021 in OXFORD, CT 06478.

USPS Tracking Plus™ Available

Status

Delivered, In/At Mailbox

July 19, 2021 at 11:00 am
OXFORD, CT 06478

Get Updates

Delivered

Text & Email Updates

Tracking History

USPS Tracking Plus™

Product Information

Tracking Number: 9405503699300444974232

R

Your item was delivered in or at the mailbox at 12:25 pm on July 21, 2021 in WESTBOROUGH, MA 01581.

USPS Tracking Plus™ Available

Status

Delivered, In/At Mailbox

July 21, 2021 at 12:25 pm
WESTBOROUGH, MA 01581

Get Updates

Delivered

Text & Email Updates

Tracking History

USPS Tracking Plus™

Product Information

Tracking Number: 9405503699300444974171

Your item was delivered in or at the mailbox at 9:59 am on July 24, 2021 in NEW BRITAIN, CT 06051.

USPS Tracking Plus™ Available

Status

Delivered, In/At Mailbox

July 24, 2021 at 9:59 am
NEW BRITAIN, CT 06051

Get Updates

Delivered

Text & Email Updates

Tracking History

USPS Tracking Plus™

Product Information

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Northeast Site Solutions
Denise Sabo
4 Angela's Way, Burlington CT 06013
203-435-3640
denise@northeastsitesolutions.com

June 25, 2021

Members of the Siting Council
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

RE: Exempt Modification Application
691 Oxford Road, Oxford CT 06478
Latitude: 41.447086
Longitude: -73.152308
Site#: 873645_ Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 691 Oxford Road, Oxford CT 06478. Verizon Wireless currently maintains fifteen (15) antennas at the 147-foot level of the existing 150-foot tower. The property is owned by Don and Dave Farm Realty LLC, and the tower is owned by Crown Castle. Verizon now intends to replace three (3) of the existing antenna. The new antennas would be installed at the 147-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and **5G** capable.

Verizon Planned Modifications:
Remove: NONE

Remove and Replace:
(3) Nokia AHCA Airscale RRH (REMOVE) – (3) Samsung B2/B66A -BRO49 – RFV01U-D1A RRU (REPLACE)
(3) Nokia UHBA Airscale RRH (REMOVE) – (3) Samsung B5/B13 -BRO4C – RFV01U-D2A RRU (REPLACE)
(3) Andrew JAHH 65B R3B Antenna (REMOVE) – (3) Sub6 MT6407-77A Antenna (REPLACE)

Install New:
(3) Diplexers

Existing to Remain:
(6) Andrew JAHH 65B R3B Antenna
(3) LPA-80083/6CF Antenna
(1) Raycap
(6) 7/8" Coax Lines
(1) 1-5/8" Hybrid

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

The facility was approved by the Town of Oxford Planning and Zoning Commission on July 5, 2001. Please see attached.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies§ 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.SA. § 16-SOj-73, a copy of this letter is being sent to The Honorable George R. Temple, First Selectman for the Town of Oxford, Steven S. Macary, Zoning Enforcement Officer, Crown Castle as the tower owner, and Don and Dave Farm Realty LLC the property owner.

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

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 replacement 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.

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,

Denise Sabo
Mobile: 203-435-3640
Fax: 413-521-0558
Office: 4 Angela's Way, Burlington CT 06013
Email: denise@northeastsitesolutions.com

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Attachments
cc: The Honorable George R. Temple (via email only to firstselectman@oxford-ct.gov)
Town of Oxford Town Hall – Selectman's Office
486 Oxford Road, Oxford CT 06478

Steven S. Macary, Zoning Enforcement Officer (via email only to zoningenforce@oxford-ct.gov)
Town of Oxford Town Hall – Planning and Zoning
486 Oxford Road, Oxford CT 06478

Don and Dave Farm Realty LLC, Property Owner
691 Oxford Road, Oxford CT 06478

Crown Castle, Tower Owner (via email to Sarah.Snell@crowncastle.com)

NORTHEAST SITE SOLUTIONS, LLC
420 MAIN ST. BUILDING #4, 2nd FLOOR
Sturbridge, MA 01566

WEBSTER BANK
51-7010/2111

4415

June 20, 2021

PAY TO THE ORDER OF CT Siting Council $ 625.00

Six hundred Twenty Five 00/100 DOLLARS

MEMO Crown VZW 873645

Lisa Lin Allen
AUTHORIZED SIGNATURE

⑈004415⑈ ⑆211170101⑆10 001060888 7⑈

4415

Crown VZW
873645
$625.00

Exhibit A

Original Facility Approval

the fact that Don Smith designed this 7-lot subdivision for the Town and is now reviewing his own work. The remaining six lots will need to be reviewed. It was recommended that a letter be sent to the Inland Wetlands Commission and Selectmen regarding this matter.

MOTION was made by Edwin Hellauer and seconded by Ray Reynolds approve Z-01-053 Ziat, LLC, 315 Riggs Street (Industrial Site Plan) based on map dated 1/18/01 and last revised 5/18/01 and with the following conditions:

1) Applicant and their assigns must comply with all representations made at P&Z Commission meetings or at public hearings regrading this application.
2) Prior to installation, lighting should be submitted to the ZEO for approval.
3) Vehicle directional signs stating entrance and exit are to be clearly marked and with no advertisement.
4) Compliance with Fire Marshal's letter dated 5/14/01.
5) Compliance with Oxford Driveway Ordinance as of this date.
6) Compliance with Oxford Zoning Regulations as of this date.
7) No work to begin until security is set by P&Z Engineer in a form acceptable to P&Z Counsel.
8) No material will be substituted without approval from the P&Z Commission and P&Z Engineer.
9) Landscaping plan and architectural rendering must be as presented on site plan. Any variations must be approved by the P&Z Commission.
10) Per Article 3, Section 19.1 of the Zoning Regulations, the applicant shall be responsible for rendering payment to any outside experts the Commission assigns to review this application.
11) Approval is conditioned on Inland Wetlands approval.

Reason for approval is that with the Inland Wetlands permit, this application would meet the Oxford Zoning Regulations as of this date. Alternate Scott Mackler abstained. All were in favor.

4) Z-01-066 Lars Realty/Cocchiola Paving, Inc., Roosevelt Drive. Secretary Edwin Hellauer read a letter dated 7/3/01 from Attorney Robert Uskevich in which he requests that this application be tabled until the 7/19/01 regular meeting. A letter will be sent suggesting that the applicant request an extension because after submittal of outstanding documents, this Commission will need time to have the documents reviewed by staff.

MOTION was made by Dave Robinson and seconded by Ray Reynolds to table Z-01-066 Lars Realty/Cocchiola Paving, Inc., Roosevelt Drive until the 7/19/01 regular meeting per the written request dated 7/3/01. Alternate John Barnes abstained. All were in favor.

5) Z-01-099 Integrated Wireless Services/Rich, 691 Oxford Road (S/E - Wireless Communications Facility). Chairman Robinson explained that the applicant was before the Commission earlier this evening during the public hearing. Contracted P&Z Planner Brian Miller has reviewed this application. An application was previously taken out for antennas on the existing silo at the same location. Alternate John Barnes recused himself at this point.

MOTION was made by Vincent Vizzo and seconded by Ray Reynolds to grant the waiver to the Zoning Regulations for the size of the six (6) equipment shelters for Z-01-099 Integrated Wireless Services/Rich, 691 Oxford Road. The equipment shelter for the applicant's equipment shelter will be 240 square feet in size and 10 feet in height. The maximum square footage for the remaining five (5) equipment shelters is hereby waived but is not to exceed 240 square feet and 10 feet in height. All were in favor.

MOTION was made by Dave Robinson and seconded by Edwin Hellauer to approve Z-01-099 Integrated Wireless Services/Rich, 691 Oxford Road (S/E - Wireless Telecommunications Facility) with the waiver for size of the six (6) equipment shelters based on Sheets T-1 dated 12/12/00 and last revised 5/16/01 and Sheets C-1 thru C-9 dated 12/12/00 and last revised 5/16/01 and conditioned upon compliance with Brian Miller's letter dated 6/12/01. Any representations made by the applicant or their assigns during the public hearing are to be made part of this approval.

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

1 CENTRAL PARK PLAZA • NEW BRITAIN, CONN. 06051

PHONE: 827-2604

Petition No. 141
Department of Environmental Protection
Field Review of September 25, 1985

Robert Erling of the Siting Council met John Spellacy of the Department of Environmental Protection (DEP) for a field review of Petition No. 141. The DEP is petitioning the Council that no certificate of environmental compatibility and public need is necessary for the establishment of eight microwave sites in the towns of Oxford, Cornwall, Hartford, Sterling, Ledyard, and Colchester, Connecticut. Other state agencies presenting this petition include the Department of Public Safety's Division of State Police, and Office of Civil Preparedness, and the Department of Health Services' Office of Emergency Medical Services. These state agencies, with DEP, seek to implement the Connecticut Nuclear Emergency Communication System. This system, as required by the Federal Emergency Management Administration (FEMA) would provide the state agencies listed above with the capability of managing a radiological emergency which could result from a failure at either the Millstone or Haddam Neck nuclear power generating plants. The proposed system would allow the four state agencies to maintain direct radio communications with the nuclear plants at Millstone and Haddam Neck and with their respective headquarters in Hartford, as well as to maintain radio communications with their own field units.

Staff visited the eight proposed microwave sites with Mr. Spellacy. He explained that each of the proposed microwave sites would use an existing state-owned antenna or facility, and that no new tower construction would be necessary.

At the proposed Colchester site, a 4' parabolic dish would be added at the 98' level of a 100' self-supporting tower adjacent to the Troop K Headquarters of the Connecticut State Police.

In Sterling, DEP proposes to utilize the existing 70' Ekonk Hill Fire Tower. The cab section would be replaced with a new 10' section, and two 8' dishes would be added at the 65' level of the tower.

In Ledyard, a State Police owned 180' self-supporting tower on Vinegar Hill would be utilized. Two 8' and one 4' microwave dish would be added at the 176' and 90' levels respectively. There is a 6' cable television microwave dish at the 110' level of this tower.

Hartford would be the site of three microwave facilities. One 4' dish would be added to the elevator penthouse of the State Police Headquarters at 100 Washington Street. There is presently a 60' tower at this location. Four antennas, measuring 6', 4', 6' and 4' would be added to the roof top

elevator penthouses of the State Office Building. There is an existing DEP antenna located on one of these penthouses. Two of these dishes would face west, one would face east, and one would face south. One 4' dish would be added to the roof top at the east wing of the State Armory Building. The Armory has five existing antennas on its roof.

In Cornwall, the existing 180' self-supporting Regional Emergency Medical Services tower on Mohawk Mountain would have two 8' dishes added, one at the 75' level, and one at the 105' level. There is a 6' dish, currently unused, at the 172' level of this tower.

A converted fire tower in Oxford would be modified by removing its cab section and replacing it with a tower section 10' in height. This reconfiguration would result in a self-supporting tower 84' in height. An 8' dish would be added at the 80' level of this tower. One whip antenna would also be added to this tower for low band frequencies.

In a telephone conversation with the Director of DEP's Planning and Development Bureau, Richard D. Couch, Staff confirmed that the proposed system would cost $1,200,000.and would have been a valuable asset during the recent hurricane. The proposed system would also provide microwave channels for a consortium of police departments in the Hartford area.

No expansion of the sites themselves would be necessary, nor would new access roads be needed. The addition of the proposed microwave facilities would not increase the total radio frequency electromagnetic radiation power densities at the proposed facility site boundaries to or above .1 milliwatt/Cm^2.

Robert K. Erling
Siting Analyst

RKE/cp

Exhibit B

Property Card

Town of Oxford
Property Listing Report

Parcel ID 19/58/3

Account S0317900

Property Information

Owner	DON & DAVE FARM REALTY LLC
Address	691 OXFORD RD
Mailing Address	691 OXFORD RD OXFORD , CT 06478
Land Use	- Commercial
Land Class	C

Census Tract	L 92
Neighborhood	C05
Zoning	OPD
Acreage	65.88
Utilities	
Lot Setting/ Desc	/ Clear

Photo

PARCEL VALUATIONS (Assessed value = 70% of Appraised Value)

	Appraised	Assessed
Buildings	301800	211300
Outbuildings	71900	50400
Improvements	373700	261700
Extras	0	0
Land	955800	237900
Total	1329500	499600
Previous		

Construction Details

Year Built	
Stories	
Building Style	
Building Use	
Building Condition	
Total Rooms	
Bedrooms	
Full Bathrooms	0
Half Bathrooms	
Bath Style	
Kitchen Style	
Roof Style	Gable
Roof Cover	Metal/Tin

EXTERIOR WALLS:	
Primary	NONE
Secondary	Stone/Masonry
INTERIOR WALLS:	
Primary	Minim/Masonry
Secondary	
FLOORS:	
Primary	Concr-Finished
Secondary	
HEATING/AC:	
Heating Type	None
Heating Fuel	Coal or Wood
AC Type	None

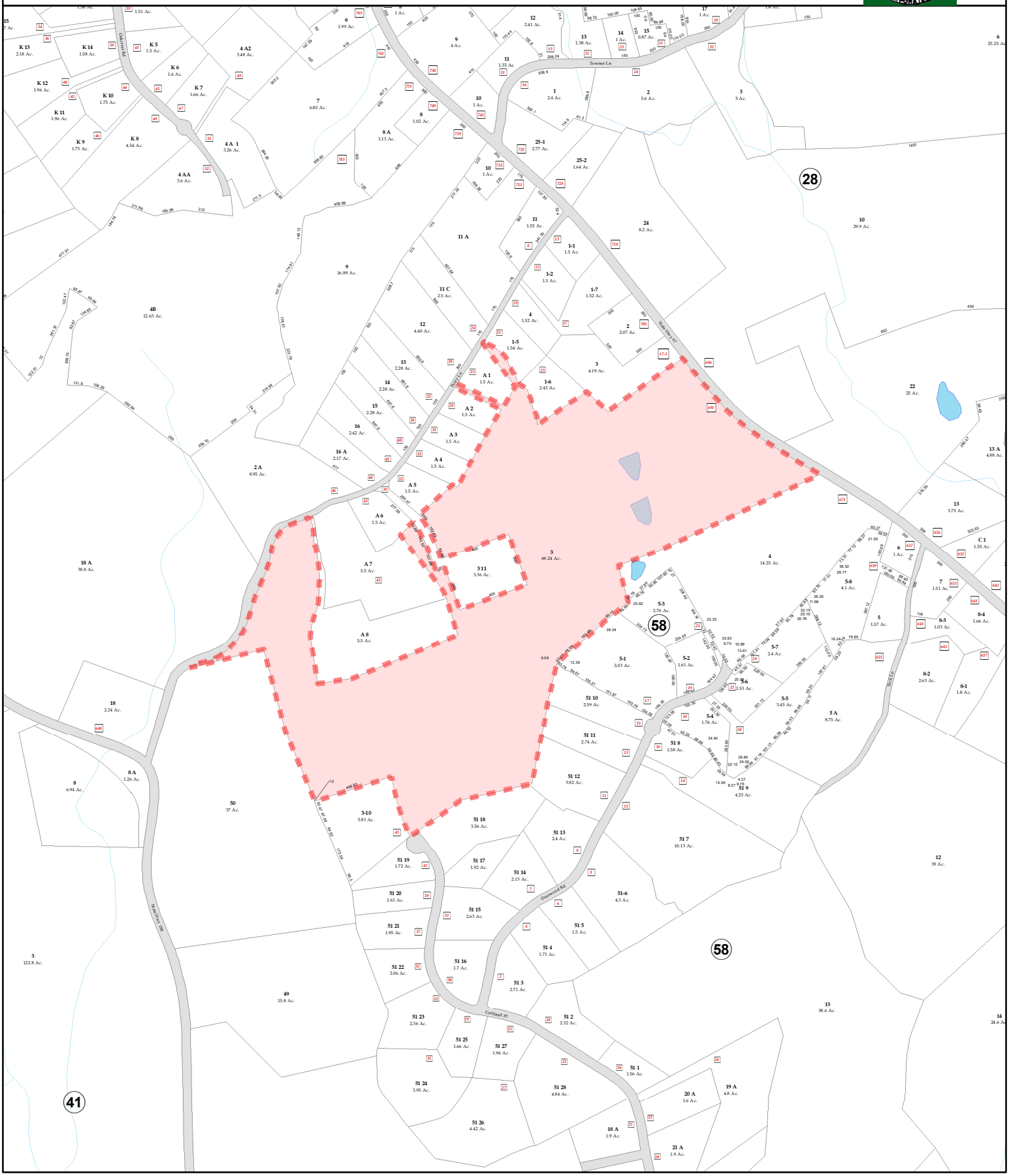
BUILDING AREA:	
Effective Building Area	
Gross Building Area	
Total Living Area	

SALES HISTORY:	
Sale Date	11/7/2007
Sale Price	0
Book/ Page	332/ 764

Report Created On 2/15/2019

Town of Oxford, Connecticut - Assessment Parcel Map

Parcel: 19-58-3 **Location:** 691 OXFORD RD



Approximate Scale: 1 inch = 700 feet

0 360 720 1,080 1,440 Feet

Map Produced: February 2021

Disclaimer: This map is for informational purposes only All information is subject to verification by any user. The Town of Oxford and its mapping contractors assume no legal responsibility for the information contained herein.

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 468396
VERIZON SITE NAME: OXFORD NORTH CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 150'-0"

BUSINESS UNIT #: 873645
SITE ADDRESS: 691 OXFORD ROAD, OXFORD, CT 06478
COUNTY: NEW HAVEN
JURISDICTION: NEW HAVEN COUNTY

VERIZON FUZE PROJECT #: 16272605

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	OXFORD
SITE ADDRESS:	691 OXFORD ROAD OXFORD, CT 06478
COUNTY:	NEW HAVEN
MAP/PARCEL #:	VERIFY
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41° 26' 49.51" N (41.447086°)
LONGITUDE:	73° 9' 8.31" W (-73.152308°)
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	662.6'
CURRENT ZONING:	TBD
JURISDICTION:	NEW HAVEN COUNTY
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	RICH, DAVID G. AND DONALD J. 691 OXFORD RD. OXFORD, CT 06478
TOWER OWNER:	CCATT LLC 1500 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 180 WASHINGTON VALLEY ROAD BEDMINSTER, NJ 07921
ELECTRIC PROVIDER:	TBD --
TELCO PROVIDER:	TBD --

PROJECT TEAM

A&E FIRM:	CROWN CASTLE USA INC. 2000 CORPORATE DRIVE CANONSBURG, PA 15317 CROWNAE.APPROVAL@CROWNCASTLE.COM
CROWN CASTLE USA INC. DISTRICT CONTACTS:	1505 WESTLAKE AVENUE NORTH, SUITE 800 SEATTLE, WA 98109 TBD - PROJECT MANAGER -- TBD - CONSTRUCTION MANAGER --
VERIZON CONTACT:	TIMOTHY PARKS TIMOTHY.PARKS@VERIZONWIRELESS.COM

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN
C-2	TOWER ELEVATION & ANTENNA PLANS
C-3	EQUIPMENT SCHEDULES
C-4	EQUIPMENT DETAILS
C-5	EQUIPMENT DETAILS
C-6	PLUMBING DIAGRAM
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 11X17. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

APPROVALS

SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR PROJECT NUMBER	TBD
VzW LOCATION CODE (PSLC)	467643

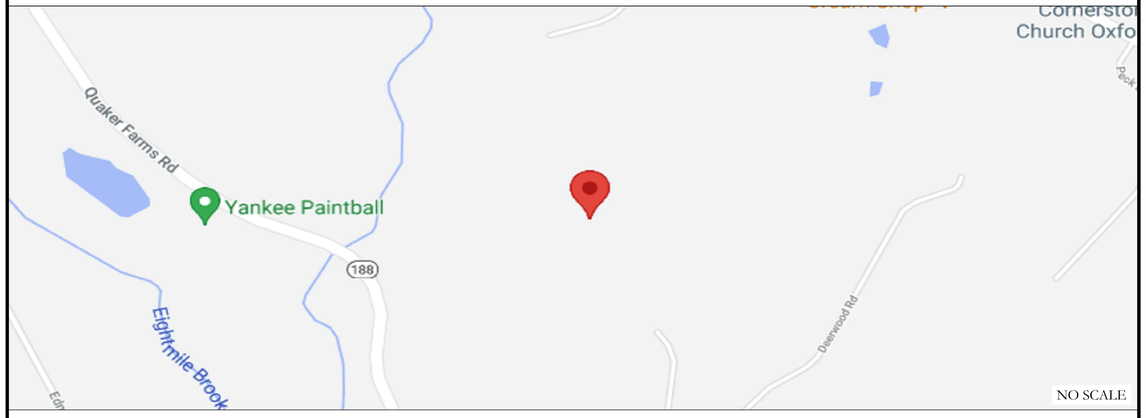
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	**N**

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



NO SCALE

DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (180 WASHINGTON VALLEY RD, BEDMINSTER, NJ 07921) DEPART AND HEAD TOWARDS WASHINGTON VALLEY RD / COUNTY HWY-620, TURN LEFT ONTO WASHINGTON VALLEY RD / COUNTY HWY-620, BEAR RIGHT ONTO US-206 N / US-202 N / US HIGHWAY 202 206, BEAR RIGHT ONTO US-202 N / US-206 N / US HIGHWAY 202 206, TURN RIGHT ONTO SCHLEY MOUNTAIN RD, TAKE THE RAMP ON THE LEFT FOR I-287 N, PASS DAYS INN ON THE RIGHT, AT JUNCTION 9E, HEAD RIGHT ON THE RAMP FOR I-84 EAST TOWARDS DANBURY, AT JUNCTION 15, HEAD RIGHT ON THE RAMP FOR CT-67 / US-6 EAST TOWARDS SOUTHBURY, ROAD NAME CHANGES TO CT-67 / SOUTHFORD RD, TURN RIGHT ONTO HOGS BACK RD, TURN RIGHT ONTO MACINTOSH DR, TURN LEFT ONTO CORTLAND PL, ARRIVE AT 691 OXFORD ROAD , OXFORD, CT 06478.

APPLICABLE CODES/REFERENCE DOCUMENTS

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

CODE TYPE	CODE
BUILDING	2018 CT STATE BUILDING CODE
MECHANICAL	2015 IMC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	BY OTHERS
DATED:	
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	05/07/2021
RFDS REVISION:	TBD
DATED:	02/24/2021
ORDER ID:	552681
REVISION:	0

CALL CONNECTICUT ONE CALL
(800) 922-4455 CBYD.COM
CALL 2 WORKING DAYS BEFORE YOU DIG!

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.

TOWER SCOPE OF WORK:
- REMOVE (3) ANTENNAS
- INSTALL (3) ANTENNAS
- REMOVE (6) RRHs
- INSTALL (6) RRHs
- INSTALL (3) DIPLEXERS

GROUND SCOPE OF WORK:
- N/A

NOTE:
PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

VERIZON SITE NUMBER:
468396

BU #: **873645**
OXFORD

691 OXFORD ROAD
OXFORD, CT 06478

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/03/2021	RCD	FINAL CDs	--
1	07/01/2021	PEG	FINAL CDs	--

STATE OF CONNECTICUT
SHUHEI SAKANOUE
34916
LICENSED PROFESSIONAL ENGINEER
7/1/2021

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

SHEET NUMBER: T-1
REVISION: 1

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED– NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800–788–7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
2. "LOOK UP" – CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT:
   THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CED–STD–10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA–322 (LATEST EDITION).
5. ALL SITE WORK TO COMPLY WITH QAS–STD–10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE," CED–STD–10294 "STANDARD FOR INSTALLATION OF MOUNTS AND APPURTENANCES," AND LATEST VERSION OF ANSI/TIA–1019–A–2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
   CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
   CARRIER: VERIZON
   TOWER OWNER: CROWN CASTLE USA INC.
2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.
6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CROWN CASTLE.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND CROWN CASTLE PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION AND IS TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.
12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF CROWN CASTLE USA INC.
13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST–IN–PLACE CONCRETE.
2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°f AT TIME OF PLACEMENT.
4. CONCRETE EXPOSED TO FREEZE–THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER–TO–CEMENT RATIO (W/C) OF 0.45.
5. ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:
   #4 BARS AND SMALLER....................40 ksi
   #5 BARS AND LARGER....................60 ksi
6. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
   CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH....................3"
   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #6 BARS AND LARGER....................2"
   #5 BARS AND SMALLER....................1–1/2"
   CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
   SLAB AND WALLS....................3/4"
   BEAMS AND COLUMNS....................1–1/2"
7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
   4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
   4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERYIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR–CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
8. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI–CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI–CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP–STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT) OR METAL–CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID–TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID–TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION–TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).
22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON–PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER–ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY–COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY–COATED OR NON–CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "VERIZON".
30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

CONDUCTOR COLOR CODE

SYSTEM	CONDUCTOR	COLOR
120/240V, 1Ø	A PHASE	BLACK
	B PHASE	RED
	NEUTRAL	WHITE
	GROUND	GREEN
120/208V, 3Ø	A PHASE	BLACK
	B PHASE	RED
	C PHASE	BLUE
	NEUTRAL	WHITE
	GROUND	GREEN
277/480V, 3Ø	A PHASE	BROWN
	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
	NEUTRAL	GREY
	GROUND	GREEN
DC VOLTAGE	POS (+)	RED**
	NEG (–)	BLACK**

* SEE NEC 210.5(C)(1) AND (2)
** POLARITY MARKED AT TERMINATION

APWA UNIFORM COLOR CODE:

WHITE	PROPOSED EXCAVATION
PINK	TEMPORARY SURVEY MARKINGS
RED	ELECTRIC POWER LINES, CABLES, CONDUIT, AND LIGHTING CABLES
YELLOW	GAS, OIL, STEAM, PETROLEUM, OR GASEOUS MATERIALS
ORANGE	COMMUNICATION, ALARM OR SIGNAL LINES, CABLES, OR CONDUIT AND TRAFFIC LOOPS
BLUE	POTABLE WATER
PURPLE	RECLAIMED WATER, IRRIGATION, AND SLURRY LINES
GREEN	SEWERS AND DRAIN LINES

ABBREVIATIONS:

ANT	ANTENNA
(E)	EXISTING
FIF	FACILITY INTERFACE FRAME
GEN	GENERATOR
GPS	GLOBAL POSITIONING SYSTEM
GSM	GLOBAL SYSTEM FOR MOBILE
LTE	LONG TERM EVOLUTION
MGB	MASTER GROUND BAR
MW	MICROWAVE
(N)	NEW
NEC	NATIONAL ELECTRIC CODE
(P)	PROPOSED
PP	POWER PLANT
QTY	QUANTITY
RECT	RECTIFIER
RBS	RADIO BASE STATION
RET	REMOTE ELECTRIC TILT
RFDS	RADIO FREQUENCY DATA SHEET
RRH	REMOTE RADIO HEAD
RRU	REMOTE RADIO UNIT
SIAD	SMART INTEGRATED DEVICE
TMA	TOWER MOUNTED AMPLIFIER
TYP	TYPICAL
UMTS	UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
W.P.	WORK POINT

GREENFIELD GROUNDING NOTES:

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL–OF–POTENTAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON–ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON–METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON–METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD–WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

VERIZON SITE NUMBER:
468396

BU #: **873645**
OXFORD

691 OXFORD ROAD
OXFORD, CT 06478

EXISTING 150'-0" MONOPOLE

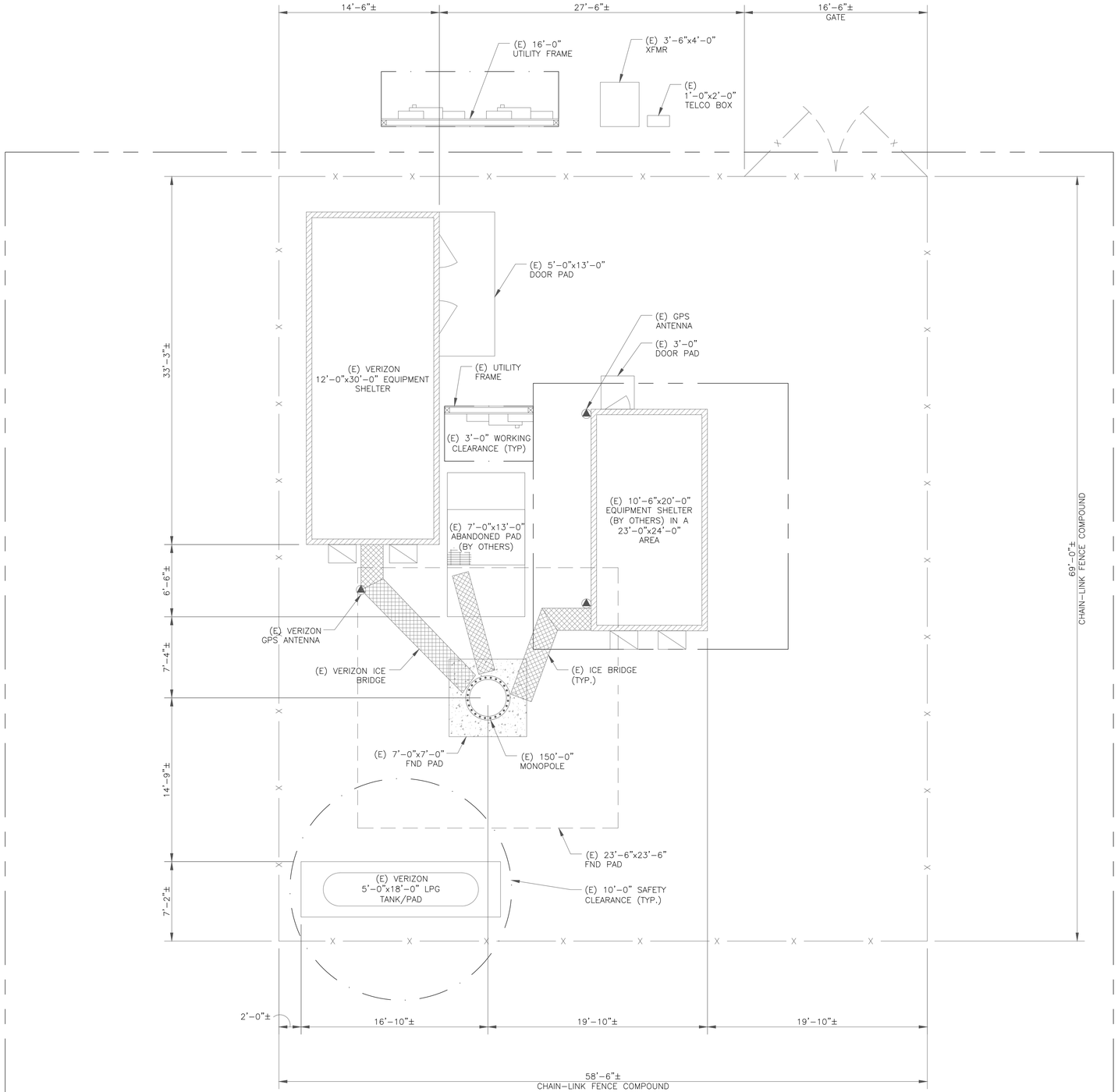
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/03/2021	RCD	FINAL CDs	--
1	07/01/2021	PEG	FINAL CDs	--

STATE OF CONNECTICUT
SHUHEI SAKANOUE
34916
LICENSED
PROFESSIONAL ENGINEER
7/1/2021

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

SHEET NUMBER: T-2
REVISION: 1



1 SITE PLAN

SCALE: 2' 1' 0 2' 3/8"=1'-0" (FULL SIZE) 3/16"=1'-0" (11x17)

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

VERIZON SITE NUMBER:
468396

BU #: **873645**
OXFORD

691 OXFORD ROAD
OXFORD, CT 06478

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

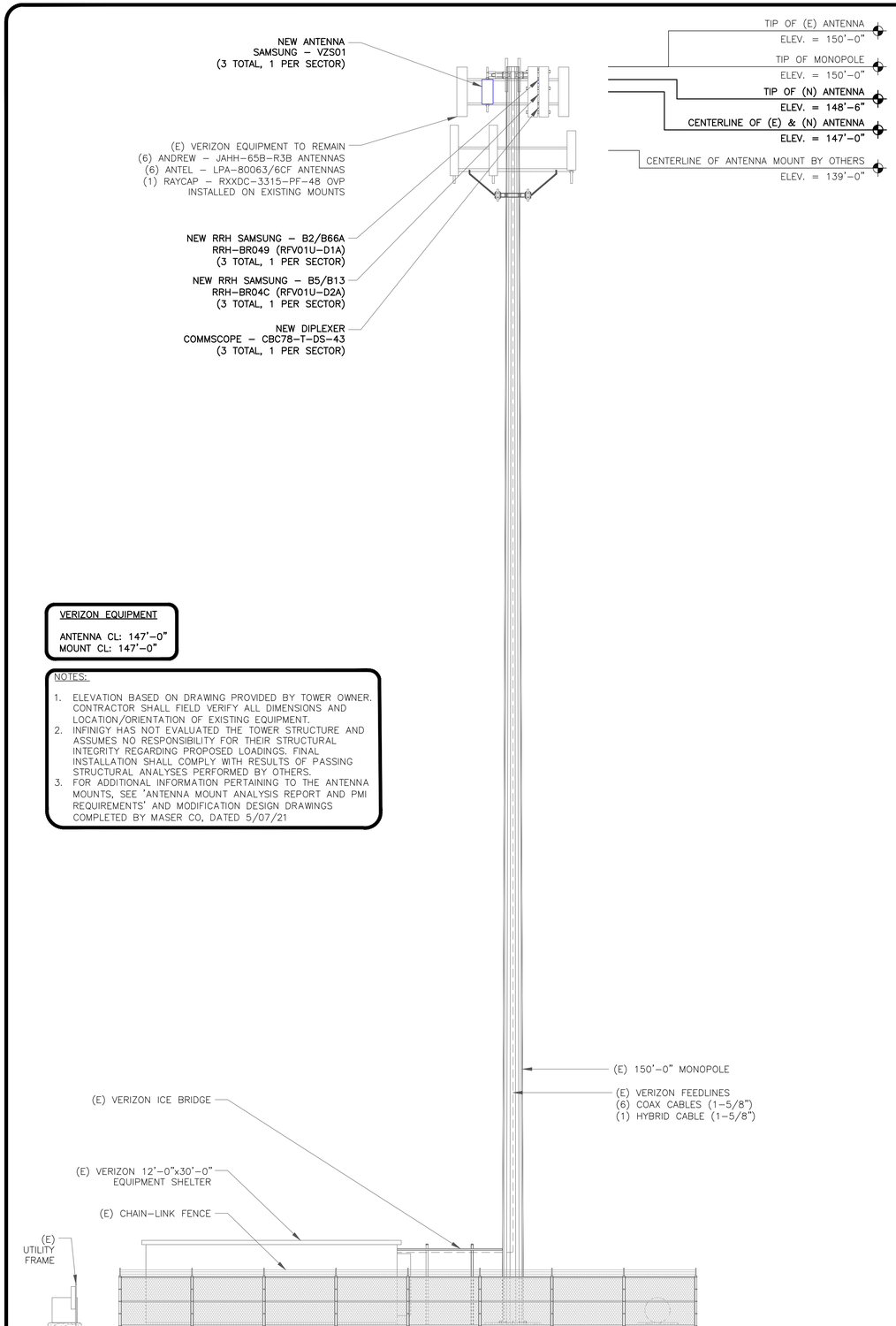
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/03/2021	RCD	FINAL CDs	--
1	07/01/2021	PEG	FINAL CDs	--

STATE OF CONNECTICUT
SHUHEI SAKANOUE
34916
LICENSED
PROFESSIONAL ENGINEER
7/1/2021

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

SHEET NUMBER: C-1

REVISION: 1



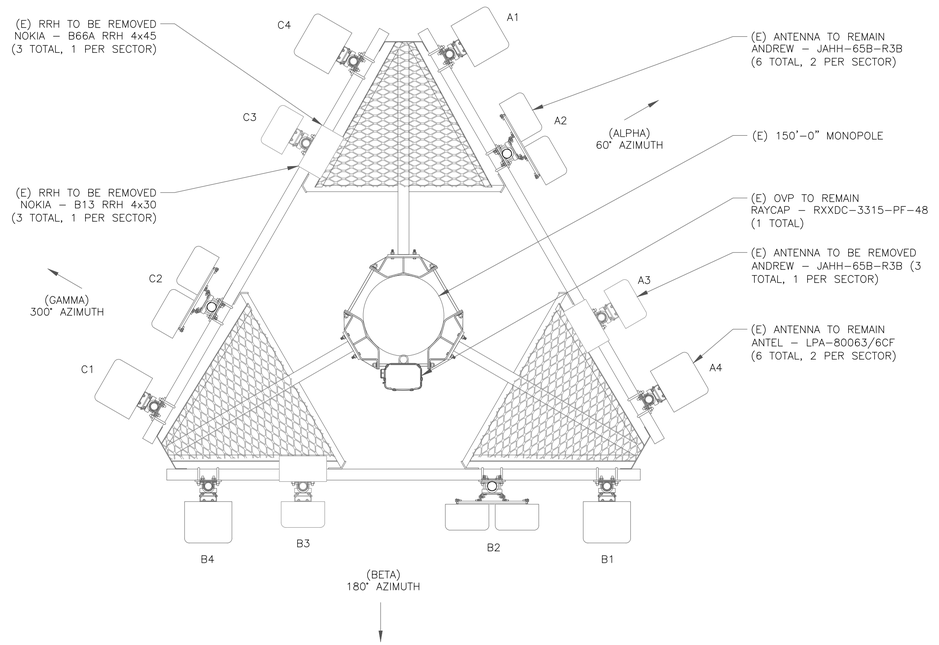
1 TOWER ELEVATION
SCALE: NOT TO SCALE

VERIZON EQUIPMENT

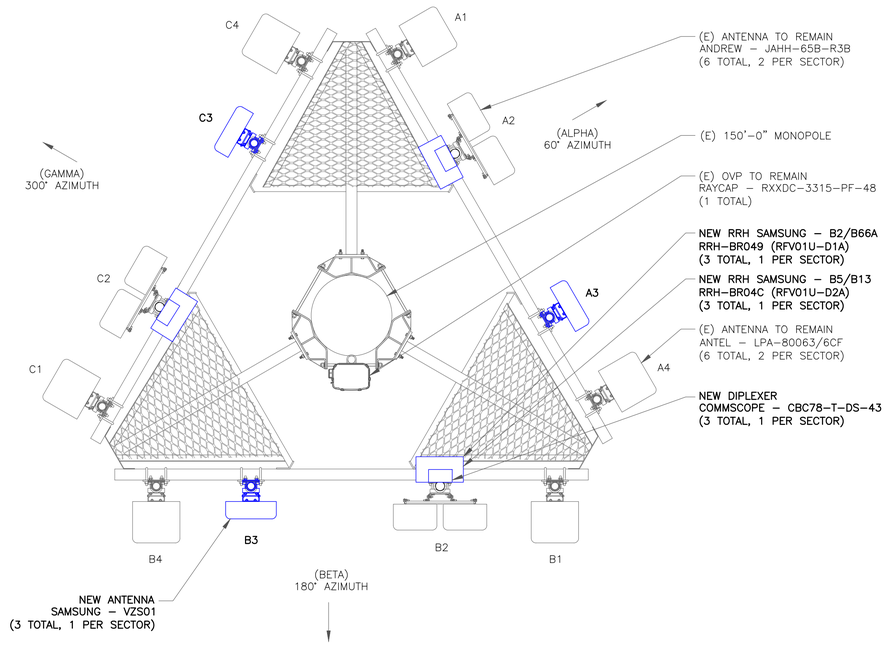
ANTENNA CL: 147'–0"
MOUNT CL: 147'–0"

NOTES:

1. ELEVATION BASED ON DRAWING PROVIDED BY TOWER OWNER. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATION/ORIENTATION OF EXISTING EQUIPMENT.
2. INFINIGY HAS NOT EVALUATED THE TOWER STRUCTURE AND ASSUMES NO RESPONSIBILITY FOR THEIR STRUCTURAL INTEGRITY REGARDING PROPOSED LOADINGS. FINAL INSTALLATION SHALL COMPLY WITH RESULTS OF PASSING STRUCTURAL ANALYSES PERFORMED BY OTHERS.
3. FOR ADDITIONAL INFORMATION PERTAINING TO THE ANTENNA MOUNTS, SEE 'ANTENNA MOUNT ANALYSIS REPORT AND PMI REQUIREMENTS' AND MODIFICATION DESIGN DRAWINGS COMPLETED BY MASER CO, DATED 5/07/21



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

VERIZON SITE NUMBER:
468396

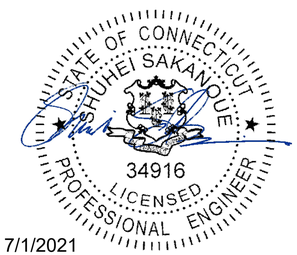
BU #: **873645**
OXFORD

691 OXFORD ROAD
OXFORD, CT 06478

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/03/2021	RCD	FINAL CDs	--
1	07/01/2021	PEG	FINAL CDs	--



7/1/2021

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

SHEET NUMBER: C-2

REVISION: 1

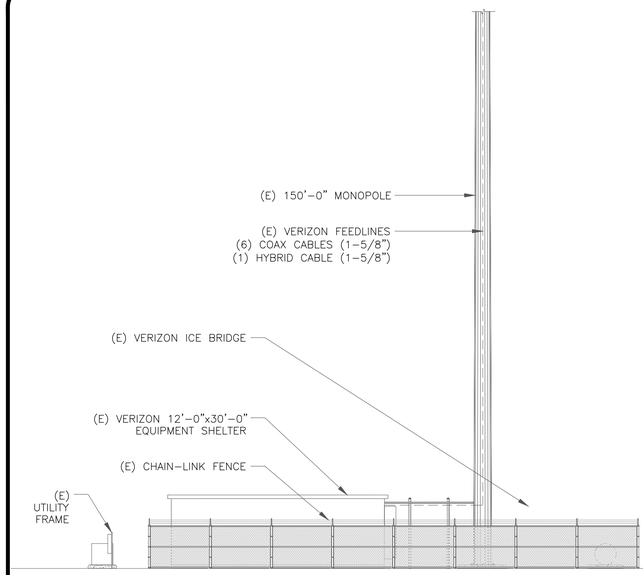
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	ANTEL	LPA-80063/6CF	147'-0"	60°	2°	0°	–	–
A2	EXISTING	ANDREW	(2) JAHH-65B-R3B	147'-0"	60°	0°	2°/2°/2°/2°	SAMSUNG/COMMSCOPE	(1)B2/B66A RRH-BR049 (RFV01U-D1A) (1) B5/B13 RRH-BR04C (RFV01U-D2A) (1) CBC78-T-DS-43
A3	**NEW**	**SAMSUNG**	**MT6407-77A**	**147'-0"**	**60°**	**0°**	**6°**	–	–
A4	EXISTING	ANTEL	LPA-80063/6CF	147'-0"	60°	2°	0°	–	–
B1	EXISTING	ANTEL	LPA-80063/6CF	147'-0"	180°	4°	0°	–	–
B2	EXISTING	ANDREW	(2) JAHH-65B-R3B	147'-0"	180°	0°	4°/4°/4°/4°	SAMSUNG/COMMSCOPE	(1)B2/B66A RRH-BR049 (RFV01U-D1A) (1) B5/B13 RRH-BR04C (RFV01U-D2A) (1) CBC78-T-DS-43
B3	**NEW**	**SAMSUNG**	**MT6407-77A**	**147'-0"**	**180°**	**0°**	**6°**	–	–
B4	EXISTING	ANTEL	LPA-80063/6CF	147'-0"	180°	4°	0°	–	–
C1	EXISTING	ANTEL	LPA-80063/6CF	147'-0"	300°	0°	0°	–	–
C2	EXISTING	ANDREW	(2) JAHH-65B-R3B	147'-0"	300°	0°	4°/4°/4°/4°	SAMSUNG/COMMSCOPE	(1)B2/B66A RRH-BR049 (RFV01U-D1A) (1) B5/B13 RRH-BR04C (RFV01U-D2A) (1) CBC78-T-DS-43
C3	**NEW**	**SAMSUNG**	**MT6407-77A**	**147'-0"**	**300°**	**0°**	**6°**	–	–
C4	EXISTING	ANTEL	LPA-80063/6CF	147'-0"	300°	0°	0°	–	–

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	197'-0"±	6
EXISTING	HYBRID	1-5/8"	197'-0"±	1
TOTAL CABLE QTY:				7



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

VERIZON SITE NUMBER:
468396

BU #: **873645**
OXFORD

691 OXFORD ROAD
OXFORD, CT 06478

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/03/2021	RCD	FINAL CDs	--
1	07/01/2021	PEG	FINAL CDs	--

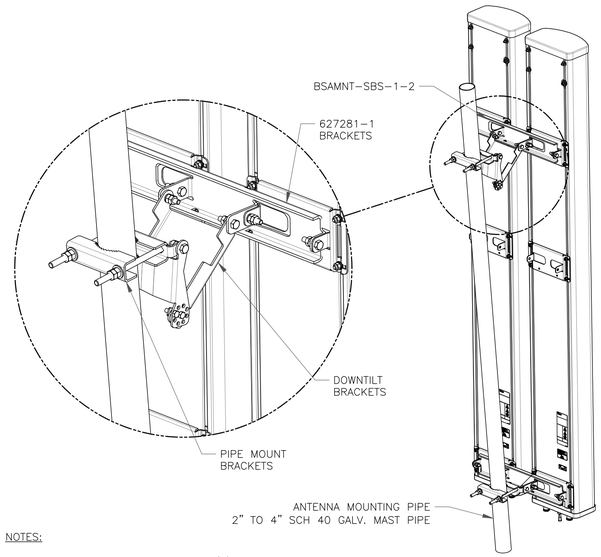
STATE OF CONNECTICUT
SHUHEI SAKANOUE
34916
LICENSED PROFESSIONAL ENGINEER

7/1/2021

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

SHEET NUMBER: C-3

REVISION: 1

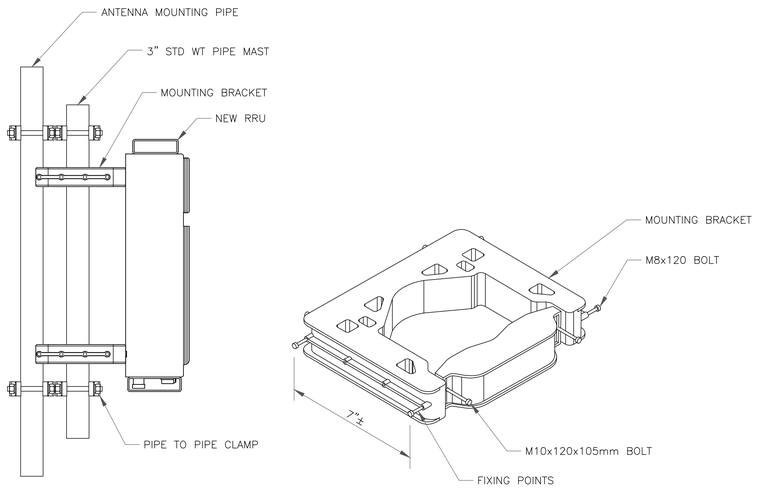


NOTES:

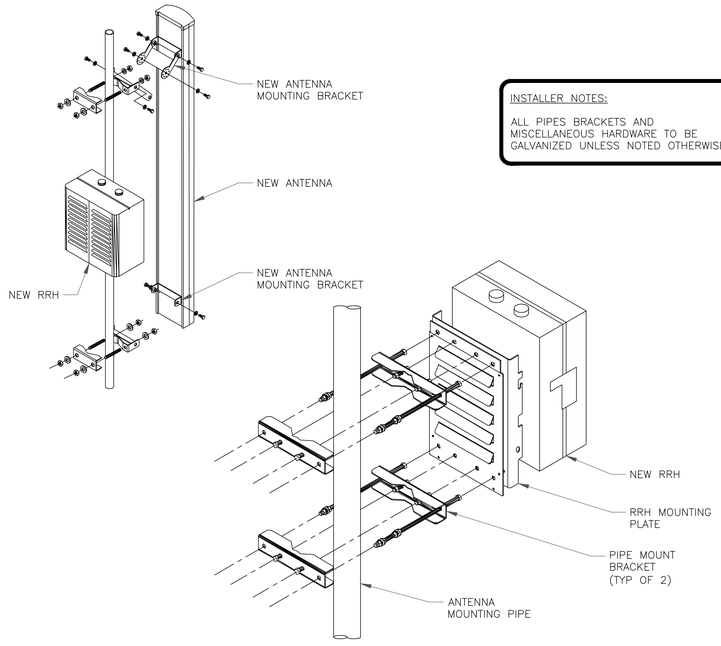
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

1 COMMSCOPE – BSAMNT-SBS-1-2
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE



3 NOKIA – FPKA BRACKET MOUNTING DETAIL
SCALE: NOT TO SCALE



INSTALLER NOTES:

ALL PIPES BRACKETS AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

VERIZON SITE NUMBER:
468396

BU #: **873645**
OXFORD

691 OXFORD ROAD
OXFORD, CT 06478

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/03/2021	RCD	FINAL CDs	--
1	07/01/2021	PEG	FINAL CDs	--

STATE OF CONNECTICUT
SHUHEI SAKAMOTO
34916
LICENSED PROFESSIONAL ENGINEER
7/1/2021

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

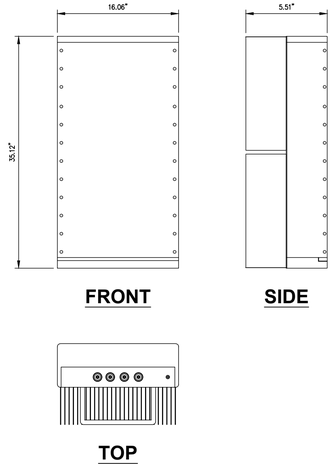
SHEET NUMBER: C-4

REVISION: 1

VERIZION SUB6 – VZS01 PANEL ANTENNA

DIMENSIONS, HxWxD: 35.12"x16.06"x5.51"

WEIGHT, W/O BRACKETS: 87.10 lbs



1 VERIZION SUB6 – VZS01 ANTENNA DETAIL
SCALE: NOT TO SCALE

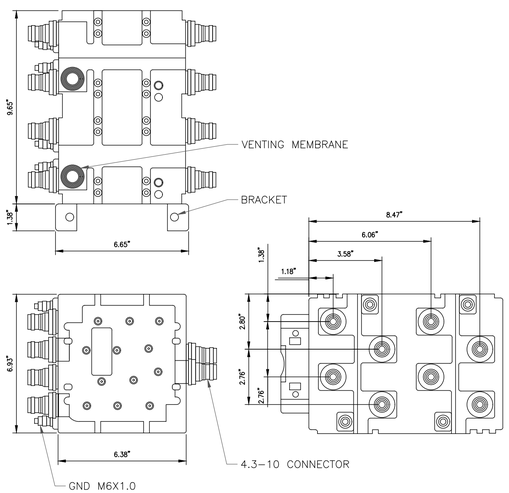
2 NOT USED
SCALE:

3 NOT USED
SCALE:

COMMSCOPE – DIPLEXER (CBC78-T-DS-43)

DIMENSIONS, HxWxD: 11.03"x8.47"x6.93"

WEIGHT, W/O BRACKETS: TBD

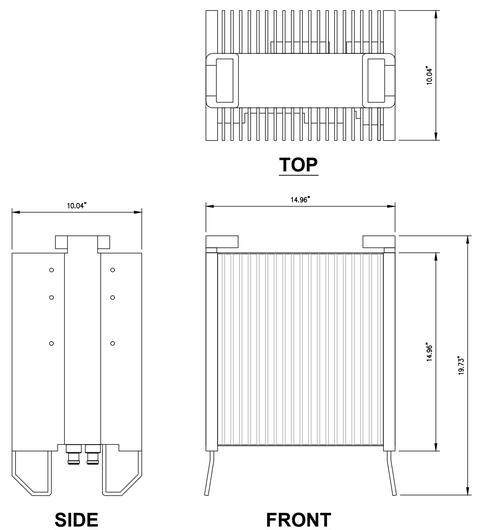


4 COMMSCOPE – CBC78T-DS-43-2X
SCALE: NOT TO SCALE

SAMSUNG – RRH (RFV01U-D1A)

DIMENSIONS, HxWxD: 19.73"x14.96"x10.04"

WEIGHT, W/O BRACKETS: 84.4 lbs

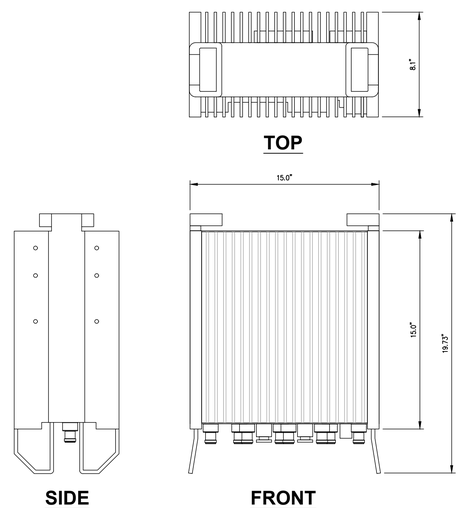


5 SAMSUNG – RFV01U-D1A RRH DETAIL
SCALE: NOT TO SCALE

SAMSUNG – RRH (RFV01U-D2A)

DIMENSIONS, HxWxD: 19.73"x15.0"x8.1"

WEIGHT, W/O BRACKETS: 70.3 lbs



6 SAMSUNG – RFV01U-D2A RRH DETAIL
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

VERIZON SITE NUMBER:
468396

BU #: **873645**
OXFORD

691 OXFORD ROAD
OXFORD, CT 06478

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/03/2021	RCD	FINAL CDs	--
1	07/01/2021	PEG	FINAL CDs	--

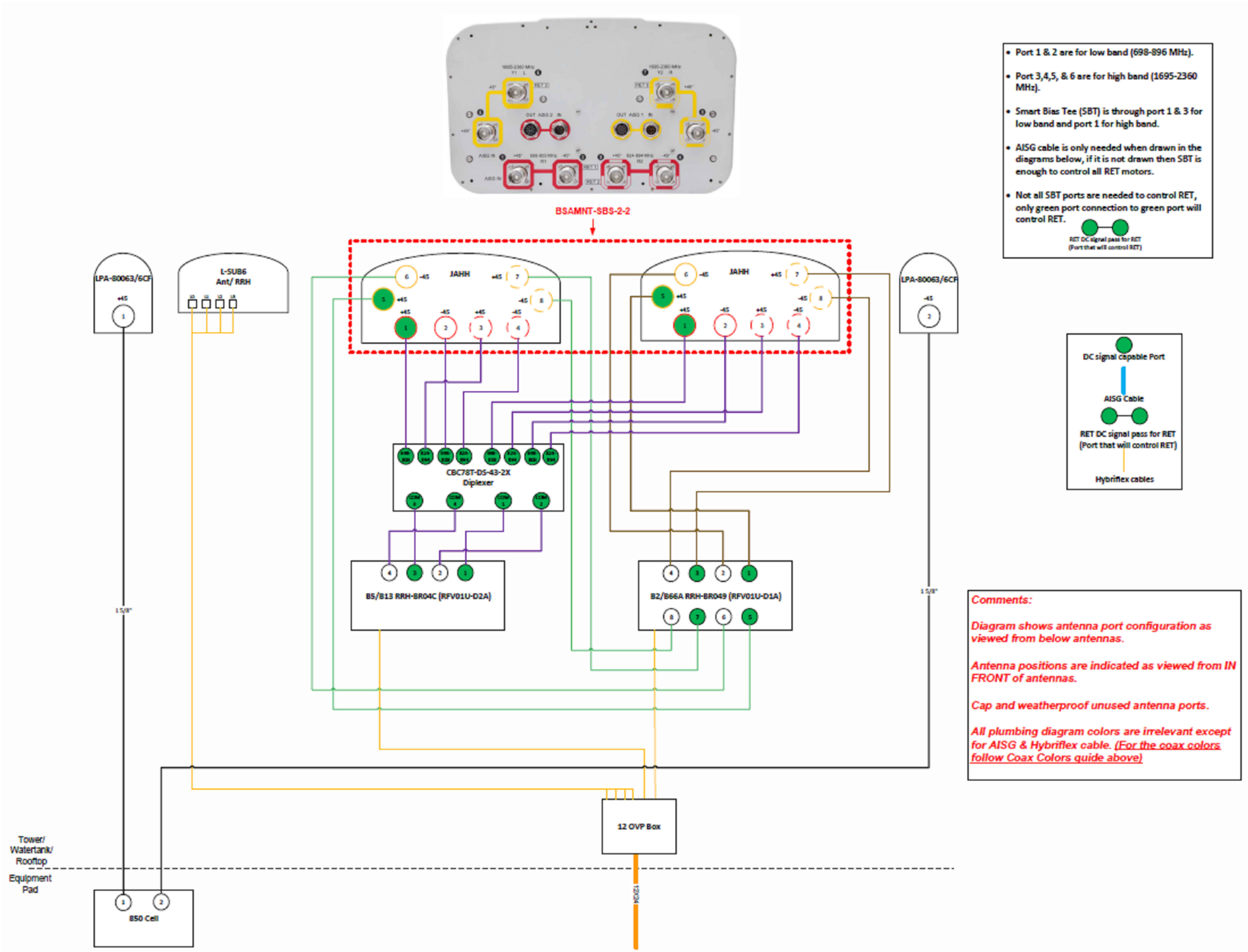
STATE OF CONNECTICUT
SHUHEI SAKANOUE
34916
LICENSED PROFESSIONAL ENGINEER

7/1/2021

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

SHEET NUMBER: C-5

REVISION: 1



- Port 1 & 2 are for low band (698-896 MHz).
- Port 3,4,5, & 6 are for high band (1695-2360 MHz).
- Smart Bias Tee (SBT) is through port 1 & 3 for low band and port 1 for high band.
- AISG cable is only needed when drawn in the diagrams below, if it is not drawn then SBT is enough to control all RET motors.
- Not all SBT ports are needed to control RET, only green port connection to green port will control RET.

RET DC signal pass for RET
(Port that will control RET)

Comments:

Diagram shows antenna port configuration as viewed from below antennas.

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

Cap and weatherproof unused antenna ports.

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

1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

VERIZON SITE NUMBER:
468396

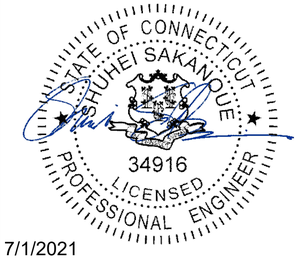
BU #: **873645**
OXFORD

691 OXFORD ROAD
OXFORD, CT 06478

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/03/2021	RCD	FINAL CDs	--
1	07/01/2021	PEG	FINAL CDs	--

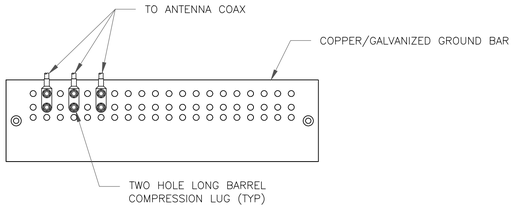


7/1/2021

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

SHEET NUMBER: C-6

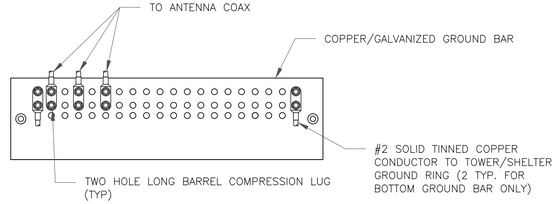
REVISION: 1



NOTES:

1. DOUBLING UP "OR STACKING" OF CONNECTIONS IS NOT PERMITTED.
2. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
3. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO ANTENNA MOUNT STEEL.

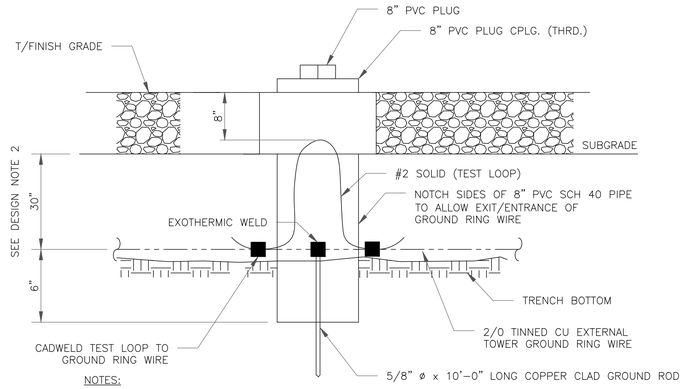
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

1. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
2. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
3. GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.

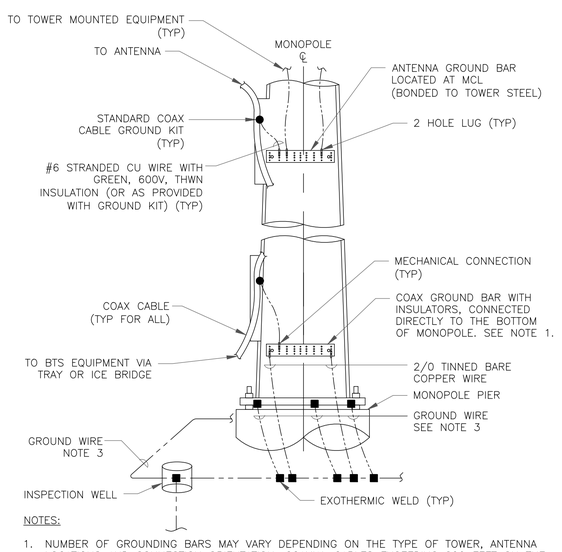
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

1. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

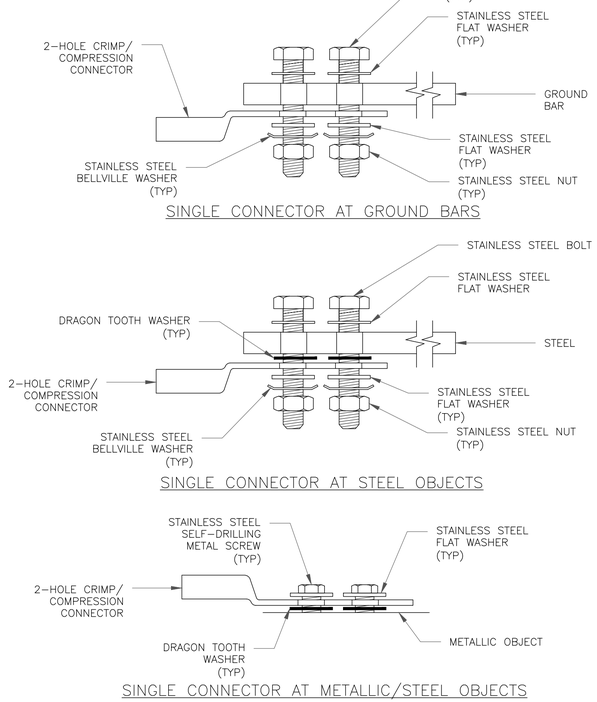
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



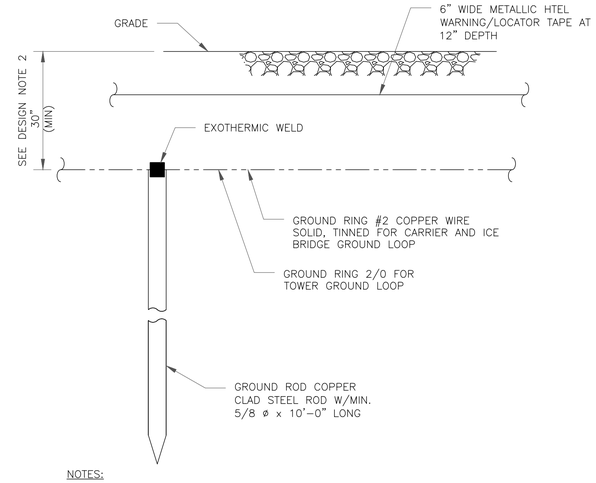
NOTES:

1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATIONS AND CONNECTION ORIENTATION. COAXIAL CABLES EXCEEDING 200 FEET ON THE TOWER SHALL HAVE GROUND KITS AT THE MIDPOINT. PROVIDE AS REQUIRED.
2. ONLY MECHANICAL CONNECTIONS ARE ALLOWED TO BE MADE TO CROWN CASTLE USA INC. TOWERS. ALL MECHANICAL CONNECTIONS SHALL BE TREATED WITH AN ANTI-OXIDANT COATING.
3. ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE RECOGNIZED EDITION OF ANSI/TIA 222 AND NFPA 780.

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

1. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

VERIZON SITE NUMBER:
468396

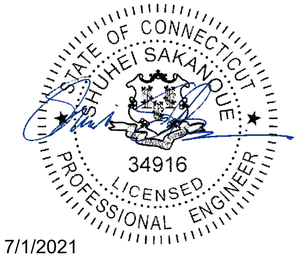
BU #: **873645**
OXFORD

691 OXFORD ROAD
OXFORD, CT 06478

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/03/2021	RCD	FINAL CDs	--
1	07/01/2021	PEG	FINAL CDs	--

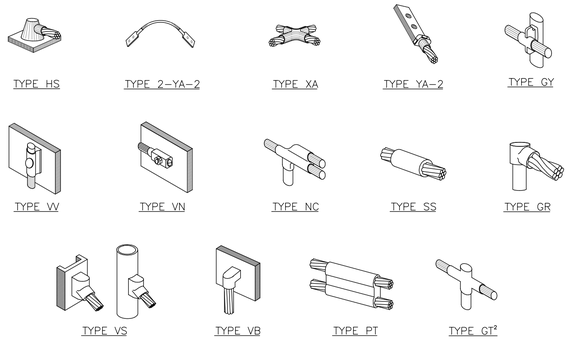


7/1/2021

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

SHEET NUMBER: G-1

REVISION: 1

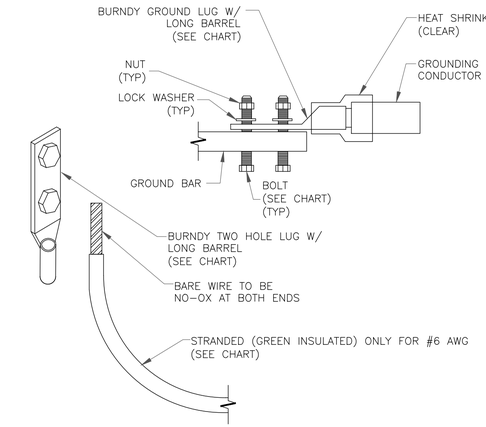


NOTE:

1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

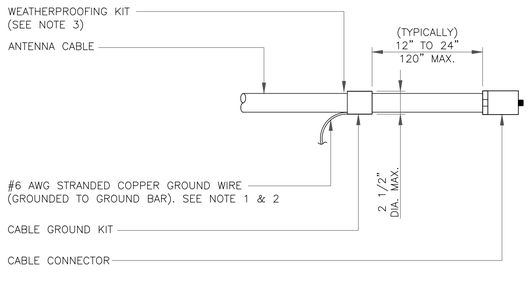
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

1. ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER,GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

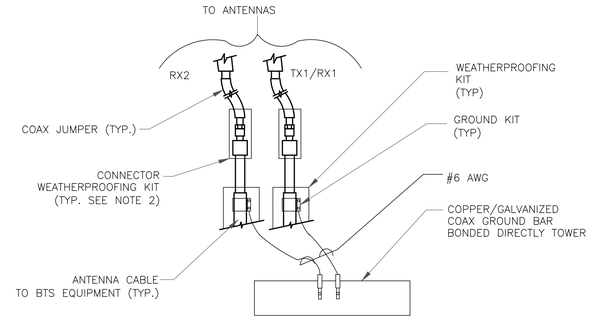
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

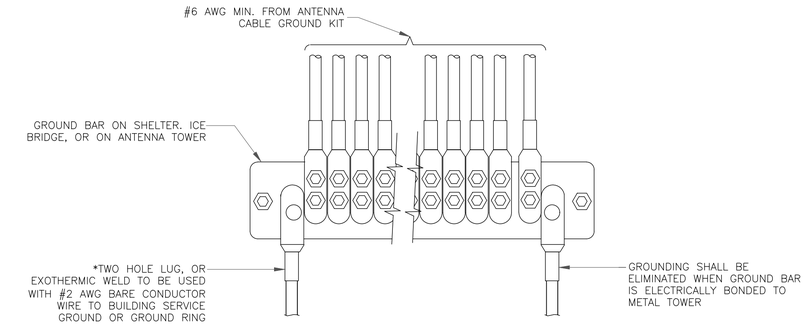
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



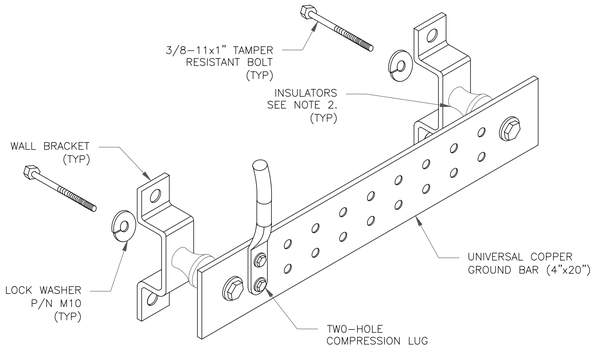
NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



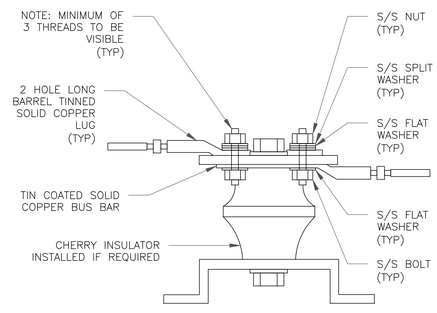
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



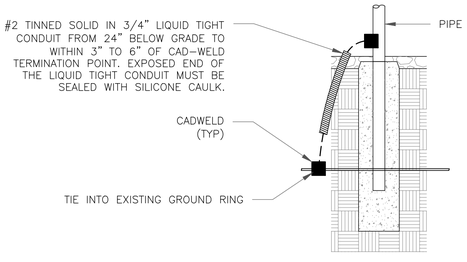
NOTES:

1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSBURG, PA 15317

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

VERIZON SITE NUMBER:
468396

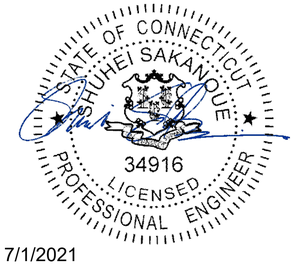
BU #: **873645**
OXFORD

691 OXFORD ROAD
OXFORD, CT 06478

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/03/2021	RCD	FINAL CDs	--
1	07/01/2021	PEG	FINAL CDs	--



7/1/2021

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

SHEET NUMBER: G-2

REVISION: 1

Exhibit D

Structural Analysis Report

Date: **May 23, 2021**

Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
(919) 661-6351

Subject: Structural Analysis Report

Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	468396
	Site Name:	Oxford North CT
Crown Castle Designation:	**BU Number:**	873645
	Site Name:	Oxford
	JDE Job Number:	644624
	Work Order Number:	1957725
	Order Number:	552681 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	217889.549424
Site Data:	**691 Oxford Rd, Oxford, New Haven County, CT 06478** **Latitude *41° 26' 49.51"*, Longitude *-73° 9' 8.32"*** **150 Foot - Monopole Tower**	

Tower Engineering Professionals is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC5: Proposed Equipment Configuration **Sufficient Capacity - 66.3%**

This analysis utilizes an ultimate 3-second gust wind speed of 125 mph as required by the 2015 International Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Nicholas Martinez / PHX

Respectfully submitted by:

Aaron T. Rucker, P.E.

05/23/2021

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 150-ft monopole tower designed by Summit.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 mph
Exposure Category:	C
Topographic Factor:	1.0
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
147.0	148.0	6	Antel	LPA-80063/6CF w/ Mount Pipe	7	1-5/8
		6	Commscope	JAHH-65B-R3B w/ Mount Pipe		
	147.0	3	Vzw	Sub6 Antenna - VZS01 w/ Mount Pipe		
		3	Samsung Telecom.	RFV01U-D1A		
		3	Samsung Telecom.	RFV01U-D2A		
		3	Commscope	CBC78T-DS-43-2X		
		1	Raycap	RHSDC-6627-PF-48		
		3	Commscope	BSAMNT-SBS-2-2		
		1	Tower Mounts	Platform Mount [LP 303-1_HR-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
139.0	140.0	3	Powerwave Technologies	7770.00 w/ Mount Pipe	1 2 12	3/8 3/4 1-5/8
		4	Andrew	SBNH-1D6565C w/ Mount Pipe		
		2	KMW Comm.	AM-X-CD-16-65-00T-RET w/ Mount Pipe		
	139.0	3	Powerwave Technologies	TT19-08BP111-001		
		1	Raycap	DC6-48-60-18-8F		
		3	Ericsson	RRUS 11 B12		
		3	Ericsson	RRUS 12 B2		
		1	Tower Mounts	Platform Mount [LP 1201-1_KCKR-HR-1]		
	136.0	3	Communication Components Inc.	DTMABP7819VG12A		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Geotechnical Report	2134249	CCISites
Tower Foundation Drawings	1339630	CCISites
Tower Manufacturer Drawings	1339644	CCISites

3.1) Analysis Method

tnxTower (version 8.0.9.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 Standard.

3.2) Assumptions

1) The tower and structures were maintained in accordance with the TIA-222 Standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2, and the referenced drawings.

This analysis may be affected if any assumptions are not valid or have been made in error. Tower Engineering Professionals should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (k)	ϕP_{allow} (k)	% Capacity	Pass / Fail
L1	150 - 110.75	Pole	TP31.38x24x0.219	1	-10.63	1296.90	44.2	Pass
L2	110.75 - 74.75	Pole	TP37.711x30.19x0.25	2	-15.92	1782.34	66.3	Pass
L3	74.75 - 39.5	Pole	TP43.839x36.318x0.313	3	-23.25	2588.89	64.6	Pass
L4	39.5 - 0	Pole	TP50.64x42.18x0.375	4	-36.07	3674.93	62.2	Pass
							Summary	
						Pole (L2)	66.3	Pass
						Rating =	**66.3**	**Pass**

Table 5 - Tower Component Stresses vs. Capacity - LC5

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	-	52.9	Pass
1,2	Base Plate	-	45.4	Pass
1,2	Base Foundation Soil Interaction	-	53.9	Pass
1,2	Base Foundation Structural	-	39.4	Pass

Structure Rating (max from all components) =	66.3%

Notes:
1) See additional documentation in "Appendix C - Additional Calculations" for calculations supporting the % capacity listed.
2) Rating per TIA-222-H Section 15.5

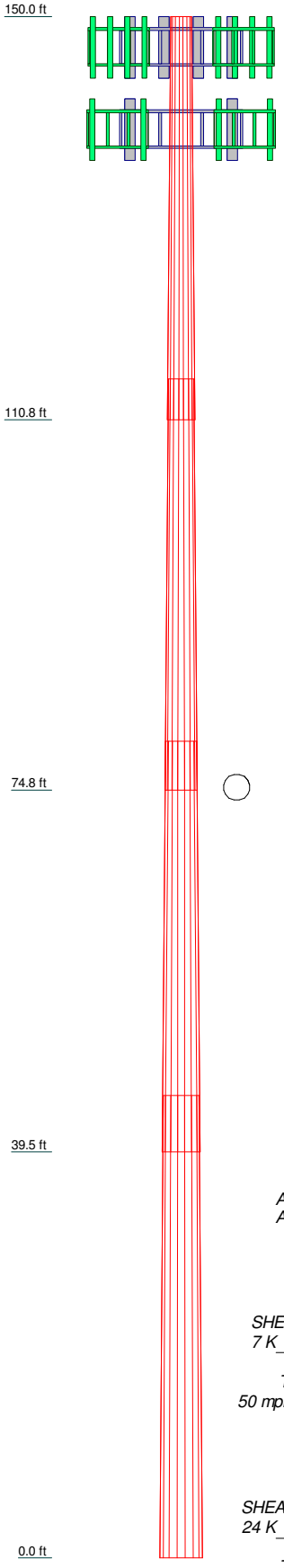
4.1) Recommendations

1) The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

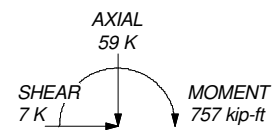
APPENDIX A

TNXTOWER OUTPUT

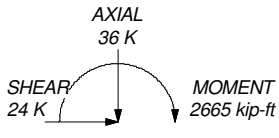
Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	39.25	18	0.219	4.00	24.000	31.380	A607-65	2.5
2	40.00	18	0.250	4.75	30.190	37.711		3.6
3	40.00	18	0.313	5.50	36.318	43.839		5.4
4	45.00	18	0.375		42.180	50.640		8.4
								19.9



ALL REACTIONS ARE FACTORED



TORQUE 1 kip-ft
50 mph WIND - 1.500 in ICE



TORQUE 0 kip-ft
REACTIONS - 125 mph WIND

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A607-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 66.3%

Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
Phone: (919) 661-6351
FAX: (919) 661-6350

Job:	***Oxford (BU 873645)***		
Project:	***TEP No. 217889.549424***		
Client: Crown Castle	Drawn by: AAS	App'd:	
Code: TIA-222-H	Date: 05/23/21	Scale: NTS	
Path:		Dwg No. E-1	

Tower Input Data

The tower is a monopole.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

Tower is located in New Haven County, Connecticut.
Tower base elevation above sea level: 670.00 ft.
Basic wind speed of 125 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 1.500 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

Consider Moments - Legs	Distribute Leg Loads As Uniform	Use ASCE 10 X-Brace Ly Rules
Consider Moments - Horizontals	Assume Legs Pinned	Calculate Redundant Bracing Forces
Consider Moments - Diagonals	√ Assume Rigid Index Plate	Ignore Redundant Members in FEA
Use Moment Magnification	√ Use Clear Spans For Wind Area	SR Leg Bolts Resist Compression
√ Use Code Stress Ratios	Use Clear Spans For KL/r	All Leg Panels Have Same Allowable
√ Use Code Safety Factors - Guys	Retension Guys To Initial Tension	Offset Girt At Foundation
Escalate Ice	√ Bypass Mast Stability Checks	√ Consider Feed Line Torque
Always Use Max Kz	√ Use Azimuth Dish Coefficients	Include Angle Block Shear Check
Use Special Wind Profile	√ Project Wind Area of Appurt.	Use TIA-222-H Bracing Resist. Exemption
Include Bolts In Member Capacity	Autocalc Torque Arm Areas	Use TIA-222-H Tension Splice Exemption
Leg Bolts Are At Top Of Section	Add IBC .6D+W Combination	Poles
Secondary Horizontal Braces Leg	√ Sort Capacity Reports By Component	√ Include Shear-Torsion Interaction
Use Diamond Inner Bracing (4 Sided)	Triangulate Diamond Inner Bracing	Always Use Sub-Critical Flow
SR Members Have Cut Ends	Treat Feed Line Bundles As Cylinder	Use Top Mounted Sockets
SR Members Are Concentric	Ignore KL/ry For 60 Deg. Angle Legs	√ Pole Without Linear Attachments
		Pole With Shroud Or No Appurtenances
		Outside and Inside Corner Radii Are Known

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	150.00-110.75	39.25	4.000	18	24.000	31.380	0.219	0.875	A607-65 (65 ksi)
L2	110.75-74.75	40.00	4.750	18	30.190	37.711	0.250	1.000	A607-65 (65 ksi)
L3	74.75-39.50	40.00	5.500	18	36.318	43.839	0.313	1.250	A607-65 (65 ksi)
L4	39.50-0.00	45.00		18	42.180	50.640	0.375	1.500	A607-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	24.336	16.512	1179.768	8.442	12.192	96.766	2361.088	8.257	3.839	17.55
	31.830	21.636	2654.221	11.062	15.941	166.502	5311.934	10.820	5.138	23.487
L2	31.381	23.758	2690.649	10.629	15.337	175.438	5384.839	11.881	4.874	19.494
	38.254	29.725	5270.144	13.299	19.157	275.100	10547.223	14.865	6.197	24.789
L3	37.737	35.713	5849.225	12.782	18.450	317.040	11706.147	17.860	5.842	18.694
	44.467	43.173	10333.695	15.452	22.270	464.014	20680.987	21.591	7.166	22.93
L4	43.823	49.758	10986.408	14.841	21.427	512.728	21987.273	24.884	6.764	18.036
	51.363	59.828	19097.332	17.844	25.725	742.361	38219.793	29.920	8.253	22.007

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 150.00-110.75				1	1	1			
L2 110.75-74.75				1	1	1			
L3 74.75-39.50				1	1	1			
L4 39.50-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
***											
***											

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
Step Pegs (5/8" SR) 7-in. w/30" step	C	No	No	CaAa (Out Of Face)	150.00 - 0.00	1	No Ice	0.03	0.487
							1/2" Ice	0.14	1.006
							1" Ice	0.23	2.065
							2" Ice	0.43	6.087
Safety Line 3/8	C	No	No	CaAa (Out Of Face)	150.00 - 0.00	1	No Ice	0.04	0.220
							1/2" Ice	0.14	0.750
							1" Ice	0.24	1.280
							2" Ice	0.44	2.340
147									
AVA7-50(1-5/8)	A	No	No	Inside Pole	147.00 - 0.00	6	No Ice	0.00	0.700
							1/2" Ice	0.00	0.700
							1" Ice	0.00	0.700
							2" Ice	0.00	0.700
HB158-U12S24-XXX-LI(1-5/8)	A	No	No	Inside Pole	147.00 - 0.00	1	No Ice	0.00	3.200
							1/2" Ice	0.00	3.200
							1" Ice	0.00	3.200
							2" Ice	0.00	3.200
139									
LCF158-50JA-A0(1-5/8)	B	No	No	Inside Pole	139.00 - 0.00	12	No Ice	0.00	0.800
							1/2" Ice	0.00	0.800
							1" Ice	0.00	0.800
							2" Ice	0.00	0.800
FB-L98B-034-XXX(3/8)	B	No	No	Inside Pole	139.00 - 0.00	1	No Ice	0.00	0.057
							1/2" Ice	0.00	0.057
							1" Ice	0.00	0.057
							2" Ice	0.00	0.057
WR-VG86ST-BRD(3/4)	B	No	No	Inside Pole	139.00 - 0.00	2	No Ice	0.00	0.584
							1/2" Ice	0.00	0.584
							1" Ice	0.00	0.584
							2" Ice	0.00	0.584
2" Rigid Conduit	B	No	No	Inside Pole	139.00 - 0.00	1	No Ice	0.00	2.800
							1/2" Ice	0.00	2.800
							1" Ice	0.00	2.800
							2" Ice	0.00	2.800
***									
***									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	150.00-110.75	A	0.000	0.000	0.000	0.000	0.27
		B	0.000	0.000	0.000	0.000	0.38
		C	0.000	0.000	0.000	2.846	0.03
L2	110.75-74.75	A	0.000	0.000	0.000	0.000	0.27
		B	0.000	0.000	0.000	0.000	0.49
		C	0.000	0.000	0.000	2.610	0.03
L3	74.75-39.50	A	0.000	0.000	0.000	0.000	0.26
		B	0.000	0.000	0.000	0.000	0.48
		C	0.000	0.000	0.000	2.556	0.02
L4	39.50-0.00	A	0.000	0.000	0.000	0.000	0.29
		B	0.000	0.000	0.000	0.000	0.54
		C	0.000	0.000	0.000	2.864	0.03

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	150.00-110.75	A	1.462	0.000	0.000	0.000	0.000	0.27
		B		0.000	0.000	0.000	0.000	0.38
		C		0.000	0.000	0.000	25.798	0.22
L2	110.75-74.75	A	1.413	0.000	0.000	0.000	0.000	0.27
		B		0.000	0.000	0.000	0.000	0.49
		C		0.000	0.000	0.000	23.662	0.20
L3	74.75-39.50	A	1.346	0.000	0.000	0.000	0.000	0.26
		B		0.000	0.000	0.000	0.000	0.48
		C		0.000	0.000	0.000	22.481	0.19
L4	39.50-0.00	A	1.212	0.000	0.000	0.000	0.000	0.29
		B		0.000	0.000	0.000	0.000	0.54
		C		0.000	0.000	0.000	24.138	0.20

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	150.00-110.75	-0.562	0.324	-2.252	1.300
L2	110.75-74.75	-0.567	0.327	-2.378	1.373
L3	74.75-39.50	-0.570	0.329	-2.406	1.389
L4	39.50-0.00	-0.573	0.331	-2.390	1.380

Note: For pole sections, center of pressure calculations do not consider feed line shielding.

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
Lighting Rod 1/2" x 2'	C	None		0.000	150.00	No Ice	0.10	0.10	0.02
						1/2" Ice	0.26	0.26	0.02
						1" Ice	0.40	0.40	0.02
						2" Ice	0.68	0.68	0.03
147									
(2) LPA-80063/6CF w/ Mount Pipe	A	From Centroid-Face	4.00 0.000 1.000	0.000	147.00	No Ice	10.06	10.45	0.06
						1/2" Ice	10.75	11.74	0.15
						1" Ice	11.40	12.87	0.25
						2" Ice	12.62	14.82	0.49
(2) LPA-80063/6CF w/ Mount Pipe	B	From Centroid-Fa	4.00 0.000	0.000	147.00	No Ice	10.06	10.45	0.06
						1/2" Ice	10.75	11.74	0.15

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		ce	1.000			1" Ice	11.40	12.87	0.25
						2" Ice	12.62	14.82	0.49
(2) LPA-80063/6CF w/ Mount Pipe	C	From Centroid-Face	4.00 0.000 1.000	0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	10.06 10.75 11.40 12.62	10.45 11.74 12.87 14.82	0.06 0.15 0.25 0.49
(2) JAHH-65B-R3B w/ Mount Pipe	A	From Centroid-Face	4.00 0.000 1.000	0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
(2) JAHH-65B-R3B w/ Mount Pipe	B	From Centroid-Face	4.00 0.000 1.000	0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
(2) JAHH-65B-R3B w/ Mount Pipe	C	From Centroid-Face	4.00 0.000 1.000	0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
Sub6 Antenna - VZS01 w/ Mount Pipe	A	From Centroid-Face	4.00 0.000 0.000	0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	B	From Centroid-Face	4.00 0.000 0.000	0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	C	From Centroid-Face	4.00 0.000 0.000	0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
RFV01U-D1A	A	From Centroid-Face	4.00 0.000 0.000	0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D1A	B	From Centroid-Face	4.00 0.000 0.000	0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D1A	C	From Centroid-Face	4.00 0.000 0.000	0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D2A	A	From Centroid-Face	4.00 0.000 0.000	0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
RFV01U-D2A	B	From Centroid-Face	4.00 0.000 0.000	0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
RFV01U-D2A	C	From Centroid-Face	4.00 0.000 0.000	0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
CBC78T-DS-43-2X	A	From Centroid-Face	4.00 0.000 0.000	0.000	147.00	No Ice 1/2" Ice 1" Ice	0.37 0.45 0.53	0.51 0.60 0.70	0.02 0.03 0.04

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice	0.72	0.93	0.06
CBC78T-DS-43-2X	B	From Centroid-Face	4.00 0.000 0.000	0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06
CBC78T-DS-43-2X	C	From Centroid-Face	4.00 0.000 0.000	0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06
RHSDC-6627-PF-48	B	From Centroid-Face	4.00 0.000 0.000	0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.06 4.32 4.58 5.14	3.10 3.34 3.58 4.09	0.03 0.07 0.11 0.20
Platform Mount [LP 303-1_HR-1]	C	None		0.000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	17.09 21.47 25.72 33.96	17.09 21.47 25.72 33.96	1.50 1.88 2.35 3.52
139									
7770.00 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.000 1.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.000 1.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.000 1.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
(2) SBNH-1D6565C w/ Mount Pipe	A	From Centroid-Leg	4.00 0.000 1.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.56 6.07 6.59 7.65	4.47 4.97 5.47 6.52	0.08 0.17 0.26 0.50
(2) SBNH-1D6565C w/ Mount Pipe	B	From Centroid-Leg	4.00 0.000 1.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.56 6.07 6.59 7.65	4.47 4.97 5.47 6.52	0.08 0.17 0.26 0.50
(2) AM-X-CD-16-65-00T-RET w/ Mount Pipe	C	From Centroid-Leg	4.00 0.000 1.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.63 5.06 5.51 6.43	3.27 3.69 4.12 5.00	0.07 0.13 0.20 0.38
TT19-08BP111-001	A	From Centroid-Leg	4.00 0.000 0.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.55 0.65 0.75 0.98	0.45 0.53 0.63 0.84	0.02 0.02 0.03 0.05
TT19-08BP111-001	B	From Centroid-Leg	4.00 0.000 0.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.55 0.65 0.75 0.98	0.45 0.53 0.63 0.84	0.02 0.02 0.03 0.05
TT19-08BP111-001	C	From Centroid-Leg	4.00 0.000 0.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.55 0.65 0.75 0.98	0.45 0.53 0.63 0.84	0.02 0.02 0.03 0.05
DC6-48-60-18-8F	A	From Centroid-Leg	4.00 0.000 0.000	0.000	139.00	No Ice 1/2" Ice 1" Ice	1.21 1.89 2.11	1.21 1.89 2.11	0.03 0.05 0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice	2.57	2.57	0.14
RRUS 12 B2	A	From Centroid-Leg	4.00 0.000 0.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.15 3.36 3.59 4.07	1.29 1.44 1.60 1.95	0.05 0.07 0.10 0.16
RRUS 12 B2	B	From Centroid-Leg	4.00 0.000 0.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.15 3.36 3.59 4.07	1.29 1.44 1.60 1.95	0.05 0.07 0.10 0.16
RRUS 12 B2	C	From Centroid-Leg	4.00 0.000 0.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.15 3.36 3.59 4.07	1.29 1.44 1.60 1.95	0.05 0.07 0.10 0.16
RRUS 11 B12	A	From Centroid-Leg	4.00 0.000 0.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.79 3.00 3.21 3.67	1.19 1.34 1.50 1.84	0.05 0.07 0.10 0.15
RRUS 11 B12	B	From Centroid-Leg	4.00 0.000 0.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.79 3.00 3.21 3.67	1.19 1.34 1.50 1.84	0.05 0.07 0.10 0.15
RRUS 11 B12	C	From Centroid-Leg	4.00 0.000 0.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.79 3.00 3.21 3.67	1.19 1.34 1.50 1.84	0.05 0.07 0.10 0.15
DTMABP7819VG12A	A	From Centroid-Leg	4.00 0.000 -3.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.98 1.10 1.23 1.52	0.34 0.42 0.51 0.71	0.02 0.03 0.04 0.06
DTMABP7819VG12A	B	From Centroid-Leg	4.00 0.000 -3.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.98 1.10 1.23 1.52	0.34 0.42 0.51 0.71	0.02 0.03 0.04 0.06
DTMABP7819VG12A	C	From Centroid-Leg	4.00 0.000 -3.000	0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.98 1.10 1.23 1.52	0.34 0.42 0.51 0.71	0.02 0.03 0.04 0.06
Platform Mount [LP 1201-1_KCKR-HR-1]	C	None		0.000	139.00	No Ice 1/2" Ice 1" Ice 2" Ice	37.61 45.62 53.59 69.65	37.61 45.62 53.59 69.65	2.63 3.48 4.46 6.85
***									
***									

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice

Comb. No.	Description
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	150 - 110.75	Pole	Max Tension	20	0.00	-0.00	-0.00
			Max. Compression	26	-25.40	-1.03	1.08
			Max. Mx	8	-10.64	-395.46	1.09
			Max. My	2	-10.64	-1.02	394.53
			Max. Vy	20	-14.68	395.08	-0.64
			Max. Vx	2	-14.65	-1.02	394.53

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	12			0.99
L2	110.75 - 74.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-33.03	-0.78	0.94
			Max. Mx	8	-15.92	-968.86	2.13
			Max. My	2	-15.92	-2.04	966.76
			Max. Vy	20	-17.84	968.54	-1.68
			Max. Vx	14	17.80	1.77	-966.27
			Max. Torque	12			0.86
L3	74.75 - 39.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-42.84	-0.50	0.78
			Max. Mx	8	-23.25	-1638.74	3.12
			Max. My	2	-23.25	-3.01	1635.50
			Max. Vy	20	-20.94	1638.49	-2.69
			Max. Vx	14	20.90	2.80	-1635.05
			Max. Torque	10			0.68
L4	39.5 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-58.87	-0.11	0.55
			Max. Mx	8	-36.07	-2662.50	4.36
			Max. My	2	-36.07	-4.22	2657.83
			Max. Vy	20	-24.36	2662.38	-3.99
			Max. Vx	14	24.33	4.13	-2657.44
			Max. Torque	38			0.82

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	30	58.87	-7.01	0.00
	Max. H_x	20	36.09	24.34	-0.03
	Max. H_z	3	27.07	-0.03	24.31
	Max. M_x	2	2657.83	-0.03	24.31
	Max. M_z	8	2662.50	-24.34	0.03
	Max. Torsion	38	0.82	3.50	6.06
	Min. Vert	25	27.07	12.15	21.04
	Min. H_x	9	27.07	-24.34	0.03
	Min. H_z	14	36.09	0.03	-24.31
	Min. M_x	14	-2657.44	0.03	-24.31
	Min. M_z	20	-2662.38	24.34	-0.03
	Min. Torsion	32	-0.82	-3.50	-6.06

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	30.07	0.00	0.00	-0.14	-0.04	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	36.09	0.03	-24.31	-2657.83	-4.22	0.16
0.9 Dead+1.0 Wind 0 deg - No Ice	27.07	0.03	-24.31	-2627.33	-4.16	0.16
1.2 Dead+1.0 Wind 30 deg - No Ice	36.09	12.19	-21.06	-2303.84	-1334.89	-0.01

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
0.9 Dead+1.0 Wind 30 deg - No Ice	27.07	12.19	-21.06	-2277.41	-1319.58	-0.01
1.2 Dead+1.0 Wind 60 deg - No Ice	36.09	21.09	-12.18	-1332.61	-2307.88	-0.18
0.9 Dead+1.0 Wind 60 deg - No Ice	27.07	21.09	-12.18	-1317.29	-2281.42	-0.18
1.2 Dead+1.0 Wind 90 deg - No Ice	36.09	24.34	-0.03	-4.36	-2662.50	-0.31
0.9 Dead+1.0 Wind 90 deg - No Ice	27.07	24.34	-0.03	-4.26	-2631.98	-0.30
1.2 Dead+1.0 Wind 120 deg - No Ice	36.09	21.06	12.13	1325.02	-2303.72	-0.35
0.9 Dead+1.0 Wind 120 deg - No Ice	27.07	21.06	12.13	1309.90	-2277.32	-0.34
1.2 Dead+1.0 Wind 150 deg - No Ice	36.09	12.15	21.04	2299.32	-1327.67	-0.29
0.9 Dead+1.0 Wind 150 deg - No Ice	27.07	12.15	21.04	2273.04	-1312.45	-0.29
1.2 Dead+1.0 Wind 180 deg - No Ice	36.09	-0.03	24.31	2657.44	4.13	-0.16
0.9 Dead+1.0 Wind 180 deg - No Ice	27.07	-0.03	24.31	2627.06	4.09	-0.16
1.2 Dead+1.0 Wind 210 deg - No Ice	36.09	-12.19	21.06	2303.47	1334.79	0.01
0.9 Dead+1.0 Wind 210 deg - No Ice	27.07	-12.19	21.06	2277.13	1319.51	0.01
1.2 Dead+1.0 Wind 240 deg - No Ice	36.09	-21.09	12.18	1332.24	2307.77	0.18
0.9 Dead+1.0 Wind 240 deg - No Ice	27.07	-21.09	12.18	1317.02	2281.35	0.18
1.2 Dead+1.0 Wind 270 deg - No Ice	36.09	-24.34	0.03	3.99	2662.38	0.30
0.9 Dead+1.0 Wind 270 deg - No Ice	27.07	-24.34	0.03	3.99	2631.90	0.30
1.2 Dead+1.0 Wind 300 deg - No Ice	36.09	-21.06	-12.13	-1325.39	2303.62	0.34
0.9 Dead+1.0 Wind 300 deg - No Ice	27.07	-21.06	-12.13	-1310.16	2277.25	0.34
1.2 Dead+1.0 Wind 330 deg - No Ice	36.09	-12.15	-21.04	-2299.69	1327.57	0.29
0.9 Dead+1.0 Wind 330 deg - No Ice	27.07	-12.15	-21.04	-2273.30	1312.38	0.29
1.2 Dead+1.0 Ice+1.0 Temp	58.87	0.00	-0.00	-0.55	-0.11	-0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	58.87	0.00	-7.00	-755.51	-0.92	-0.74
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	58.87	3.51	-6.07	-654.75	-378.69	-0.46
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	58.87	6.07	-3.51	-378.73	-655.03	-0.06
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	58.87	7.01	-0.00	-1.40	-755.90	0.36
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	58.87	6.07	3.50	376.14	-654.28	0.68
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	58.87	3.50	6.06	652.71	-377.39	0.82
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	58.87	-0.00	7.00	754.22	0.58	0.74
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	58.87	-3.51	6.07	653.46	378.35	0.46
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	58.87	-6.07	3.51	377.44	654.69	0.06

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	58.87	-7.01	0.00	0.10	755.56	-0.36
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	58.87	-6.07	-3.50	-377.43	653.94	-0.68
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	58.87	-3.50	-6.06	-654.01	377.04	-0.82
Dead+Wind 0 deg - Service	30.07	0.01	-5.28	-573.47	-0.94	0.04
Dead+Wind 30 deg - Service	30.07	2.65	-4.57	-497.11	-288.00	-0.00
Dead+Wind 60 deg - Service	30.07	4.58	-2.64	-287.59	-497.90	-0.04
Dead+Wind 90 deg - Service	30.07	5.28	-0.01	-1.05	-574.39	-0.07
Dead+Wind 120 deg - Service	30.07	4.57	2.63	285.72	-497.00	-0.08
Dead+Wind 150 deg - Service	30.07	2.64	4.57	495.90	-286.44	-0.07
Dead+Wind 180 deg - Service	30.07	-0.01	5.28	573.16	0.86	-0.04
Dead+Wind 210 deg - Service	30.07	-2.65	4.57	496.80	287.91	0.00
Dead+Wind 240 deg - Service	30.07	-4.58	2.64	287.28	497.81	0.04
Dead+Wind 270 deg - Service	30.07	-5.28	0.01	0.75	574.31	0.07
Dead+Wind 300 deg - Service	30.07	-4.57	-2.63	-286.03	496.91	0.08
Dead+Wind 330 deg - Service	30.07	-2.64	-4.57	-496.21	286.35	0.07

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX	PY	PZ	PX	PY	PZ	% Error
	K	K	K	K	K	K	
1	0.00	-30.07	0.00	0.00	30.07	0.00	0.000%
2	0.03	-36.09	-24.31	-0.03	36.09	24.31	0.000%
3	0.03	-27.07	-24.31	-0.03	27.07	24.31	0.000%
4	12.19	-36.09	-21.06	-12.19	36.09	21.06	0.000%
5	12.19	-27.07	-21.06	-12.19	27.07	21.06	0.000%
6	21.09	-36.09	-12.18	-21.09	36.09	12.18	0.000%
7	21.09	-27.07	-12.18	-21.09	27.07	12.18	0.000%
8	24.34	-36.09	-0.03	-24.34	36.09	0.03	0.000%
9	24.34	-27.07	-0.03	-24.34	27.07	0.03	0.000%
10	21.06	-36.09	12.13	-21.06	36.09	-12.13	0.000%
11	21.06	-27.07	12.13	-21.06	27.07	-12.13	0.000%
12	12.15	-36.09	21.04	-12.15	36.09	-21.04	0.000%
13	12.15	-27.07	21.04	-12.15	27.07	-21.04	0.000%
14	-0.03	-36.09	24.31	0.03	36.09	-24.31	0.000%
15	-0.03	-27.07	24.31	0.03	27.07	-24.31	0.000%
16	-12.19	-36.09	21.06	12.19	36.09	-21.06	0.000%
17	-12.19	-27.07	21.06	12.19	27.07	-21.06	0.000%
18	-21.09	-36.09	12.18	21.09	36.09	-12.18	0.000%
19	-21.09	-27.07	12.18	21.09	27.07	-12.18	0.000%
20	-24.34	-36.09	0.03	24.34	36.09	-0.03	0.000%
21	-24.34	-27.07	0.03	24.34	27.07	-0.03	0.000%
22	-21.06	-36.09	-12.13	21.06	36.09	12.13	0.000%
23	-21.06	-27.07	-12.13	21.06	27.07	12.13	0.000%
24	-12.15	-36.09	-21.04	12.15	36.09	21.04	0.000%
25	-12.15	-27.07	-21.04	12.15	27.07	21.04	0.000%
26	0.00	-58.87	0.00	-0.00	58.87	0.00	0.000%
27	0.00	-58.87	-7.00	-0.00	58.87	7.00	0.000%
28	3.51	-58.87	-6.07	-3.51	58.87	6.07	0.000%
29	6.07	-58.87	-3.51	-6.07	58.87	3.51	0.000%
30	7.01	-58.87	-0.00	-7.01	58.87	0.00	0.000%
31	6.07	-58.87	3.50	-6.07	58.87	-3.50	0.000%
32	3.50	-58.87	6.06	-3.50	58.87	-6.06	0.000%
33	-0.00	-58.87	7.00	0.00	58.87	-7.00	0.000%
34	-3.51	-58.87	6.07	3.51	58.87	-6.07	0.000%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
35	-6.07	-58.87	3.51	6.07	58.87	-3.51	0.000%
36	-7.01	-58.87	0.00	7.01	58.87	-0.00	0.000%
37	-6.07	-58.87	-3.50	6.07	58.87	3.50	0.000%
38	-3.50	-58.87	-6.06	3.50	58.87	6.06	0.000%
39	0.01	-30.07	-5.28	-0.01	30.07	5.28	0.000%
40	2.65	-30.07	-4.57	-2.65	30.07	4.57	0.000%
41	4.58	-30.07	-2.64	-4.58	30.07	2.64	0.000%
42	5.28	-30.07	-0.01	-5.28	30.07	0.01	0.000%
43	4.57	-30.07	2.63	-4.57	30.07	-2.63	0.000%
44	2.64	-30.07	4.57	-2.64	30.07	-4.57	0.000%
45	-0.01	-30.07	5.28	0.01	30.07	-5.28	0.000%
46	-2.65	-30.07	4.57	2.65	30.07	-4.57	0.000%
47	-4.58	-30.07	2.64	4.58	30.07	-2.64	0.000%
48	-5.28	-30.07	0.01	5.28	30.07	-0.01	0.000%
49	-4.57	-30.07	-2.63	4.57	30.07	2.63	0.000%
50	-2.64	-30.07	-4.57	2.64	30.07	4.57	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00004934
3	Yes	4	0.00000001	0.00058636
4	Yes	6	0.00000001	0.00010397
5	Yes	5	0.00000001	0.00086676
6	Yes	6	0.00000001	0.00010401
7	Yes	5	0.00000001	0.00086700
8	Yes	5	0.00000001	0.00004910
9	Yes	4	0.00000001	0.00058077
10	Yes	6	0.00000001	0.00010129
11	Yes	5	0.00000001	0.00084424
12	Yes	6	0.00000001	0.00010437
13	Yes	5	0.00000001	0.00087061
14	Yes	4	0.00000001	0.00081809
15	Yes	4	0.00000001	0.00041115
16	Yes	6	0.00000001	0.00010303
17	Yes	5	0.00000001	0.00085895
18	Yes	6	0.00000001	0.00010308
19	Yes	5	0.00000001	0.00085932
20	Yes	4	0.00000001	0.00081179
21	Yes	4	0.00000001	0.00040272
22	Yes	6	0.00000001	0.00010446
23	Yes	5	0.00000001	0.00087117
24	Yes	6	0.00000001	0.00010128
25	Yes	5	0.00000001	0.00084420
26	Yes	4	0.00000001	0.00001119
27	Yes	5	0.00000001	0.00069126
28	Yes	5	0.00000001	0.00094090
29	Yes	5	0.00000001	0.00094696
30	Yes	5	0.00000001	0.00069076
31	Yes	5	0.00000001	0.00094071
32	Yes	5	0.00000001	0.00092949
33	Yes	5	0.00000001	0.00068708
34	Yes	5	0.00000001	0.00093802
35	Yes	5	0.00000001	0.00093209

36	Yes	5	0.00000001	0.00068739
37	Yes	5	0.00000001	0.00093240
38	Yes	5	0.00000001	0.00094364
39	Yes	4	0.00000001	0.00007588
40	Yes	4	0.00000001	0.00052158
41	Yes	4	0.00000001	0.00052306
42	Yes	4	0.00000001	0.00007660
43	Yes	4	0.00000001	0.00048599
44	Yes	4	0.00000001	0.00053453
45	Yes	4	0.00000001	0.00007376
46	Yes	4	0.00000001	0.00050649
47	Yes	4	0.00000001	0.00050600
48	Yes	4	0.00000001	0.00007445
49	Yes	4	0.00000001	0.00053613
50	Yes	4	0.00000001	0.00048660

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 110.75	21.499	41	1.259	0.002
L2	114.75 - 74.75	12.621	41	1.082	0.001
L3	79.5 - 39.5	5.869	41	0.714	0.000
L4	45 - 0	1.853	41	0.377	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.00	Lighting Rod 1/2" x 2'	41	21.499	1.259	0.002	41619
147.00	(2) LPA-80063/6CF w/ Mount Pipe	41	20.708	1.248	0.002	41619
139.00	7770.00 w/ Mount Pipe	41	18.610	1.218	0.002	18918

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 110.75	99.581	6	5.838	0.009
L2	114.75 - 74.75	58.502	6	5.021	0.004
L3	79.5 - 39.5	27.216	6	3.313	0.001
L4	45 - 0	8.593	6	1.749	0.001

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.00	Lighting Rod 1/2" x 2'	6	99.581	5.838	0.009	9169
147.00	(2) LPA-80063/6CF w/ Mount Pipe	6	95.921	5.789	0.009	9169
139.00	7770.00 w/ Mount Pipe	6	86.217	5.652	0.008	4166

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	150 - 110.75 (1)	TP31.38x24x0.219	39.25	0.00	0.0	21.114	-10.63	1235.14	0.009
L2	110.75 - 74.75 (2)	TP37.711x30.19x0.25	40.00	0.00	0.0	29.017	-15.92	1697.47	0.009
L3	74.75 - 39.5 (3)	TP43.839x36.318x0.313	40.00	0.00	0.0	42.147	-23.25	2465.61	0.009
L4	39.5 - 0 (4)	TP50.64x42.18x0.375	45.00	0.00	0.0	59.828	-36.07	3499.93	0.010

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	150 - 110.75 (1)	TP31.38x24x0.219	396.06	873.35	0.453	0.00	873.35	0.000
L2	110.75 - 74.75 (2)	TP37.711x30.19x0.25	970.05	1414.33	0.686	0.00	1414.33	0.000
L3	74.75 - 39.5 (3)	TP43.839x36.318x0.313	1640.50	2456.62	0.668	0.00	2456.62	0.000
L4	39.5 - 0 (4)	TP50.64x42.18x0.375	2664.98	4146.91	0.643	0.00	4146.91	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	150 - 110.75 (1)	TP31.38x24x0.219	14.70	370.54	0.040	0.18	986.78	0.000
L2	110.75 - 74.75 (2)	TP37.711x30.19x0.25	17.85	509.24	0.035	0.18	1630.82	0.000
L3	74.75 - 39.5 (3)	TP43.839x36.318x0.313	20.95	739.68	0.028	0.18	2752.55	0.000
L4	39.5 - 0 (4)	TP50.64x42.18x0.375	24.38	1049.98	0.023	0.18	4621.97	0.000

Pole Interaction Design Data

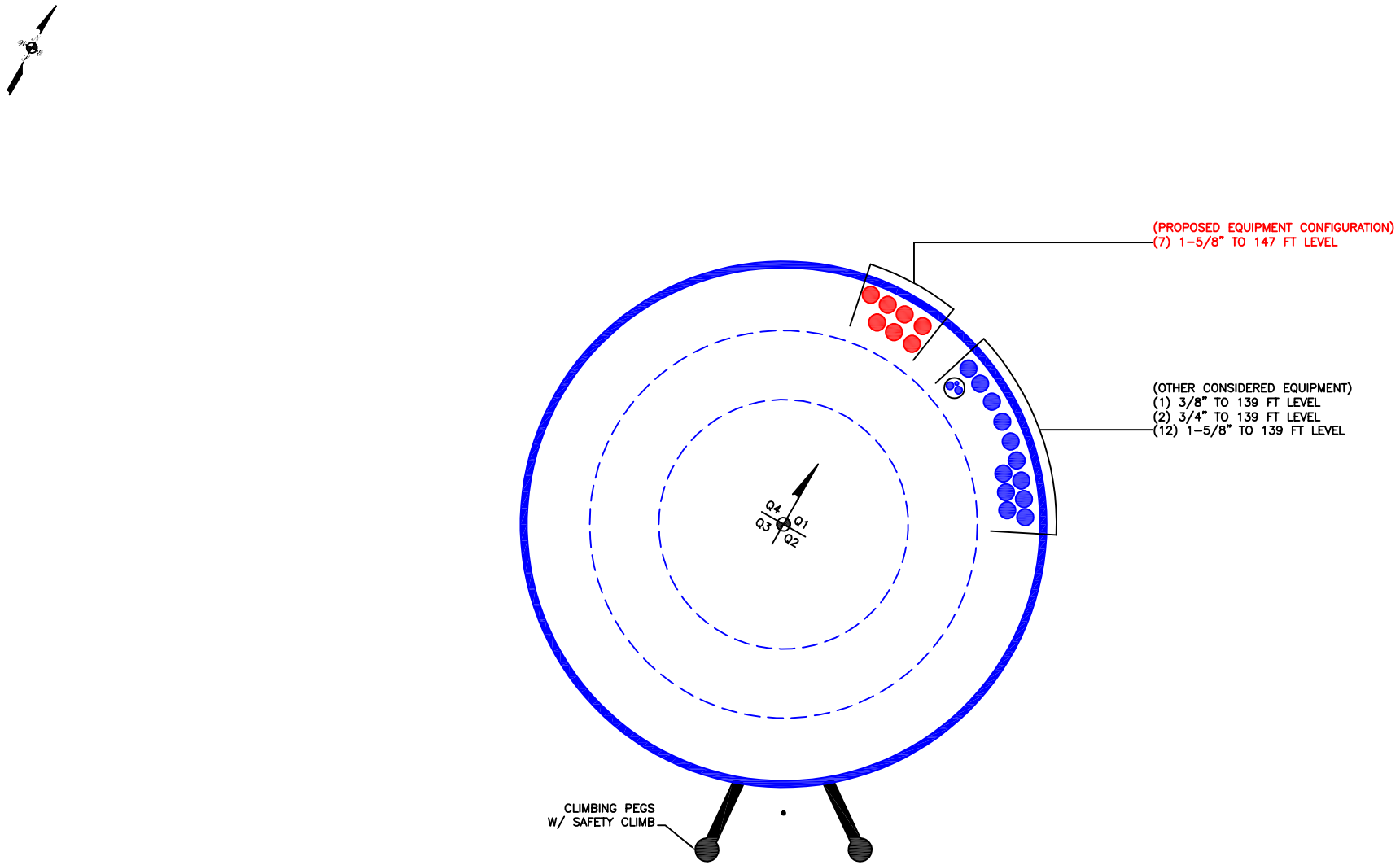
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	150 - 110.75 (1)	0.009	0.453	0.000	0.040	0.000	0.464	1.050	4.8.2
L2	110.75 - 74.75 (2)	0.009	0.686	0.000	0.035	0.000	0.696	1.050	4.8.2
L3	74.75 - 39.5 (3)	0.009	0.668	0.000	0.028	0.000	0.678	1.050	4.8.2
L4	39.5 - 0 (4)	0.010	0.643	0.000	0.023	0.000	0.653	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	150 - 110.75	Pole	TP31.38x24x0.219	1	-10.63	1296.90	44.2	Pass
L2	110.75 - 74.75	Pole	TP37.711x30.19x0.25	2	-15.92	1782.34	66.3	Pass
L3	74.75 - 39.5	Pole	TP43.839x36.318x0.313	3	-23.25	2588.89	64.6	Pass
L4	39.5 - 0	Pole	TP50.64x42.18x0.375	4	-36.07	3674.93	62.2	Pass
							Summary	
						Pole (L2)	66.3	Pass
						Rating =	**66.3**	**Pass**

APPENDIX B

BASE LEVEL DRAWING


(PROPOSED EQUIPMENT CONFIGURATION)
(7) 1-5/8" TO 147 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 3/8" TO 139 FT LEVEL
(2) 3/4" TO 139 FT LEVEL
(12) 1-5/8" TO 139 FT LEVEL
Q4
Q1
Q3
Q2
CLIMBING PEGS
W/ SAFETY CLIMB

APPENDIX C

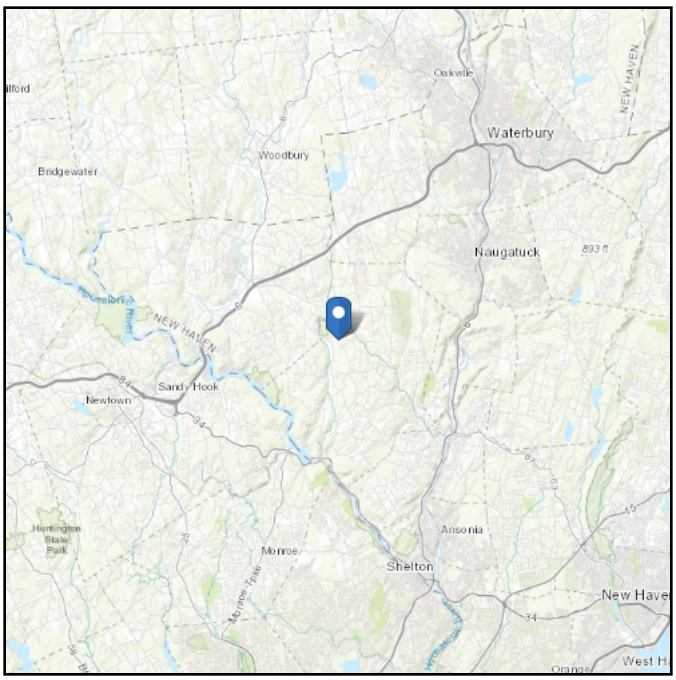
ADDITIONAL CALCULATIONS

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-10
Risk Category: II
Soil Class: D - Stiff Soil

Elevation: 669.86 ft (NAVD 88)
Latitude: 41.447086
Longitude: -73.15231



Wind

Results:

Wind Speed:	120 Vmph	125 Vmph Required per Jurisdiction
10-year MRI	76 Vmph	
25-year MRI	86 Vmph	
50-year MRI	91 Vmph	
100-year MRI	98 Vmph	

Data Source: ASCE/SEI 7-10, Fig. 26.5-1A and Figs. CC-1–CC-4, and Section 26.5.2, incorporating errata of March 12, 2014

Date Accessed: Wed May 19 2021

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-10 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.

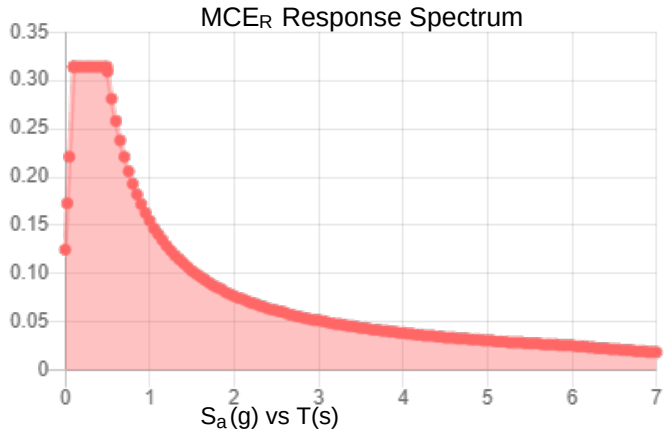
Seismic

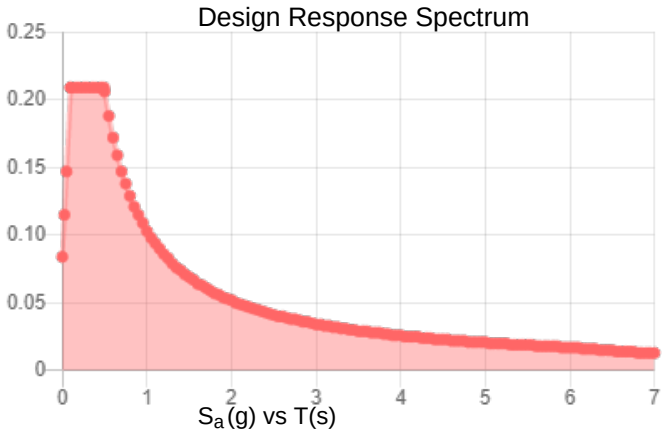
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.196	S_{DS} :	0.209
S_1 :	0.064	S_{D1} :	0.103
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.103
S_{MS} :	0.314	PGA_M :	0.165
S_{M1} :	0.155	F_{PGA} :	1.593
		I_e :	1

Seismic Design Category B





Data Accessed: Wed May 19 2021

Date Source: USGS Seismic Design Maps based on ASCE/SEI 7-10, incorporating Supplement 1 and errata of March 31, 2013, and ASCE/SEI 7-10 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-10 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness:	0.75 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Wed May 19 2021

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 50-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided “as is” and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE 7 standard.

In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE 7 Hazard Tool.

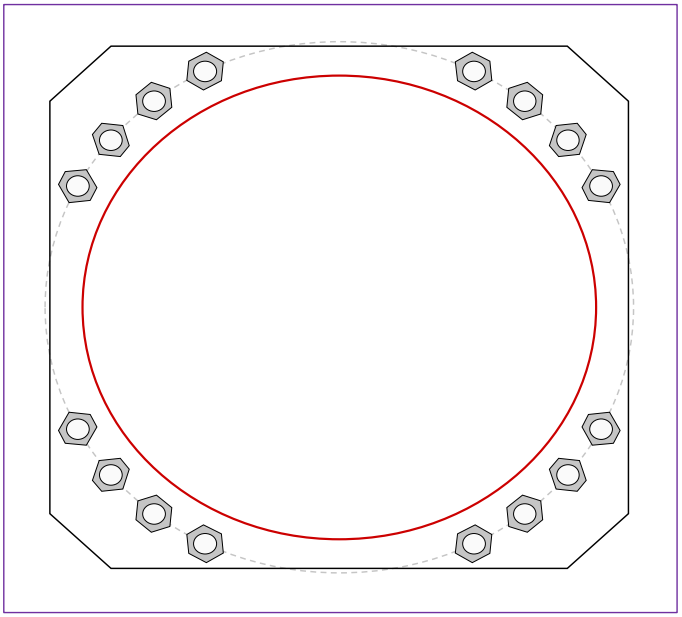
Monopole Base Plate Connection

Site Info	
BU #	873645
Site Name	Oxford
Order #	552681 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	0.75

Applied Loads	
Moment (kip-ft)	2664.99
Axial Force (kips)	36.07
Shear Force (kips)	24.38

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(16) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 58" BC

Anchor Spacing: 6 in

Base Plate Data

57" W x 3" Plate (A572-55; Fy=55 ksi, Fu=70 ksi); Clip: 6 in

Stiffener Data

N/A

Pole Data

50.64" x 0.375" 18-sided pole (A607-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary *(units of kips, kip-in)*

Pu_t = 135.5	ϕPn_t = 243.75	**Stress Rating**
Vu = 1.52	ϕVn = 149.1	**52.9%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	23.62	(Flexural)
Allowable Stress (ksi):	49.5	
Stress Rating:	**45.4%**	**Pass**

Pier and Pad Foundation

BU # :	873645
Site Name:	Oxford
App. Number:	552681 Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

Top & Bot. Pad Rein. Different?:	☐
Block Foundation?:	☐
Rectangular Pad?:	☐

Superstructure Analysis Reactions		
Compression, P_{comp}:	36.09	kips
Base Shear, Vu_comp:	24.35	kips
Moment, M_u:	2664.99	ft-kips
Tower Height, **H**:	150	ft
BP Dist. Above Fdn, bp_{dist}:	3	in

Pier Properties		
Pier Shape:	Square	
Pier Diameter, **dpier**:	7	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	11	
Pier Rebar Quantity, **mc**:	28	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	12	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	7	ft
Pad Width, W_1:	23.5	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	10	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	26	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties		
Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	3	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties		
Total Soil Unit Weight, γ:	125	pcf
Ultimate Net Bearing, Qnet:	8.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N_{blows}:		
Base Friction, μ:	0.5	
Neglected Depth, **N**:	3.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	6	ft

<--Toggle between Gross and Net

Foundation Analysis Checks	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	289.58	24.35	**8.0%**	**Pass**
Bearing Pressure (ksf)	6.61	2.10	**31.8%**	**Pass**
*Overturning (kip*ft)*	5294.80	2853.70	**53.9%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	6714.17	2774.57	**39.4%**	**Pass**
Pier Compression (kip)	23390.64	75.78	**0.3%**	**Pass**
*Pad Flexure (kip*ft)*	4415.72	938.76	**20.2%**	**Pass**
Pad Shear - 1-way (kips)	720.43	154.66	**20.4%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.164	0.028	**16.4%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	5938.20	1664.74	**26.7%**	**Pass**

**Rating per TIA-222-H Section 15.5*

Soil Rating*:	**53.9%**
Structural Rating*:	**39.4%**

Exhibit E

Mount Analysis

Maser Consulting Connecticut
Connecticut 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 #: 10039620
Maser Consulting Connecticut Project #: 21777125A

May 7, 2021

Site Information	*Site ID:*	*468396-VZW / OXFORD NORTH CT*
	Site Name:	*OXFORD NORTH CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*691 Oxford Rd.* *Oxford, Connecticut 06478* *New Haven County*
	Latitude:	*41.447086°*
	Longitude:	*-73.152308°*
Structure Information	*Tower Type:*	*150-Ft Monopole*
	Mount Type:	*12.50-Ft Platform Mount*

FUZE ID # 16272605

Analysis Results

Platform Mount: **88.1% Pass**

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

Report Prepared By: Chuanjiao Hu

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: 675007, dated February 24, 2021*
Mount Mapping Report	*Hudson Design Group, LLC., Site ID: 468396, dated March 23, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	117 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.976
Seismic Parameters:	S_S:	0.199
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
145.50	147.00	3	Samsung	MT6407-77A	Added
		3	Commscope	CBC78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		6	Commscope	JAHH-65B-R3B	Retained
		6	Antel	LPA-80063/6CF	
		1	Raycap	RHSDC-6627-PF-48*	

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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
Face Horizontal	28.3 %	Pass
Standoff Horizontal	50.7 %	Pass
Platform Crossmember	24.4 %	Pass
Mount Pipe	74.5 %	Pass
Corner Plate	24.4 %	Pass
Grating Support	21.3 %	Pass
Cross Arm Plate	28.3 %	Pass
Support Rail	39.7 %	Pass
Conner Angle	36.3 %	Pass
Mount Connection	88.1 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**88.1%**

Recommendation:

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

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

Attachments:

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

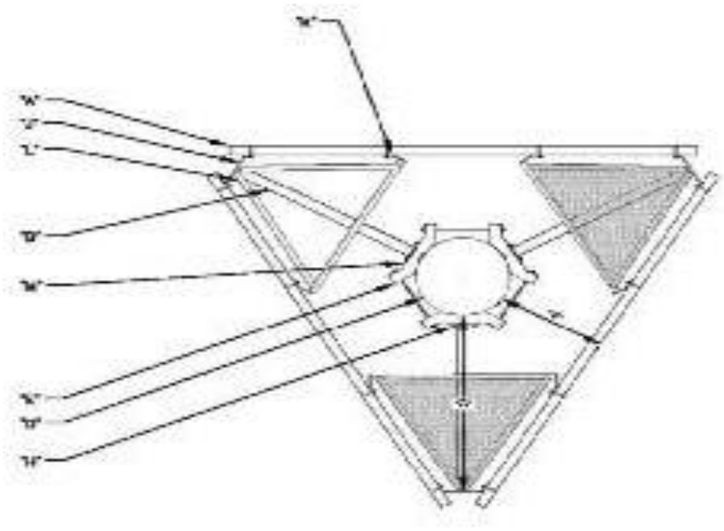
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #
1235976

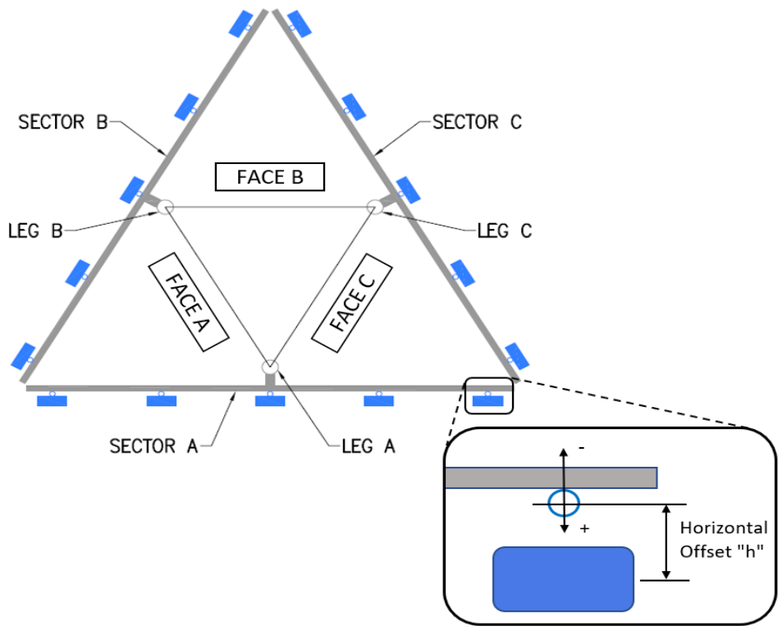
Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/23/2021
Site Name:	OXFORD NORTH CT	**Tower Type:**	Monopole
Site Number or ID:	468396	**Tower Height (Ft.):**	150
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	146.25

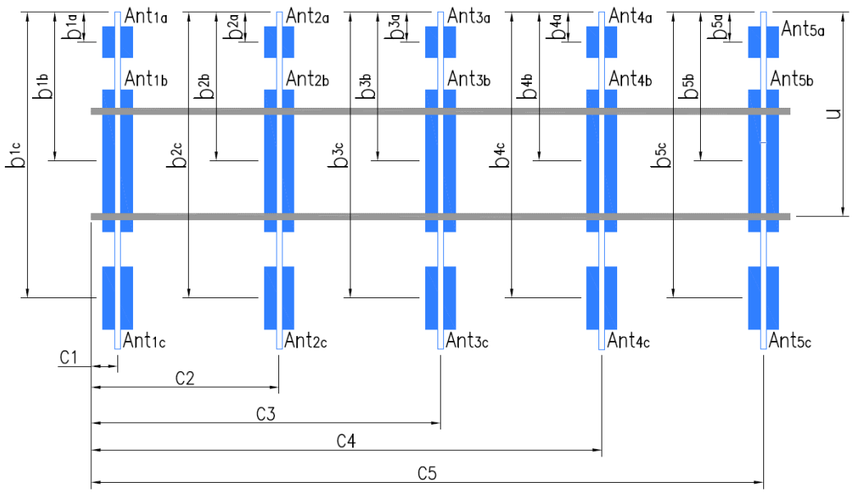
This antenna mapping form is the property of TES and under **PATENT PENDING**. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is 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 warrantying the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.



Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE X 78" LONG	54.00	5.00	C1	2" STD. PIPE X 78" LONG	54.00	5.00
A2	2" STD. PIPE X 78" LONG	54.00	52.00	C2	2" STD. PIPE X 78" LONG	54.00	52.00
A3	2" STD. PIPE X 78" LONG	54.00	121.00	C3	2" STD. PIPE X 78" LONG	54.00	121.00
A4	2" STD. PIPE X 78" LONG	54.00	145.00	C4	2" STD. PIPE X 78" LONG	54.00	145.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 78" LONG	54.00	5.00	D1			
B2	2" STD. PIPE X 78" LONG	54.00	52.00	D2			
B3	2" STD. PIPE X 78" LONG	54.00	121.00	D3			
B4	2" STD. PIPE X 78" LONG	54.00	145.00	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							5.83
Please enter additional infomation or comments below.							
Tower Face Width at Mount Elev. (ft.):				Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):			23



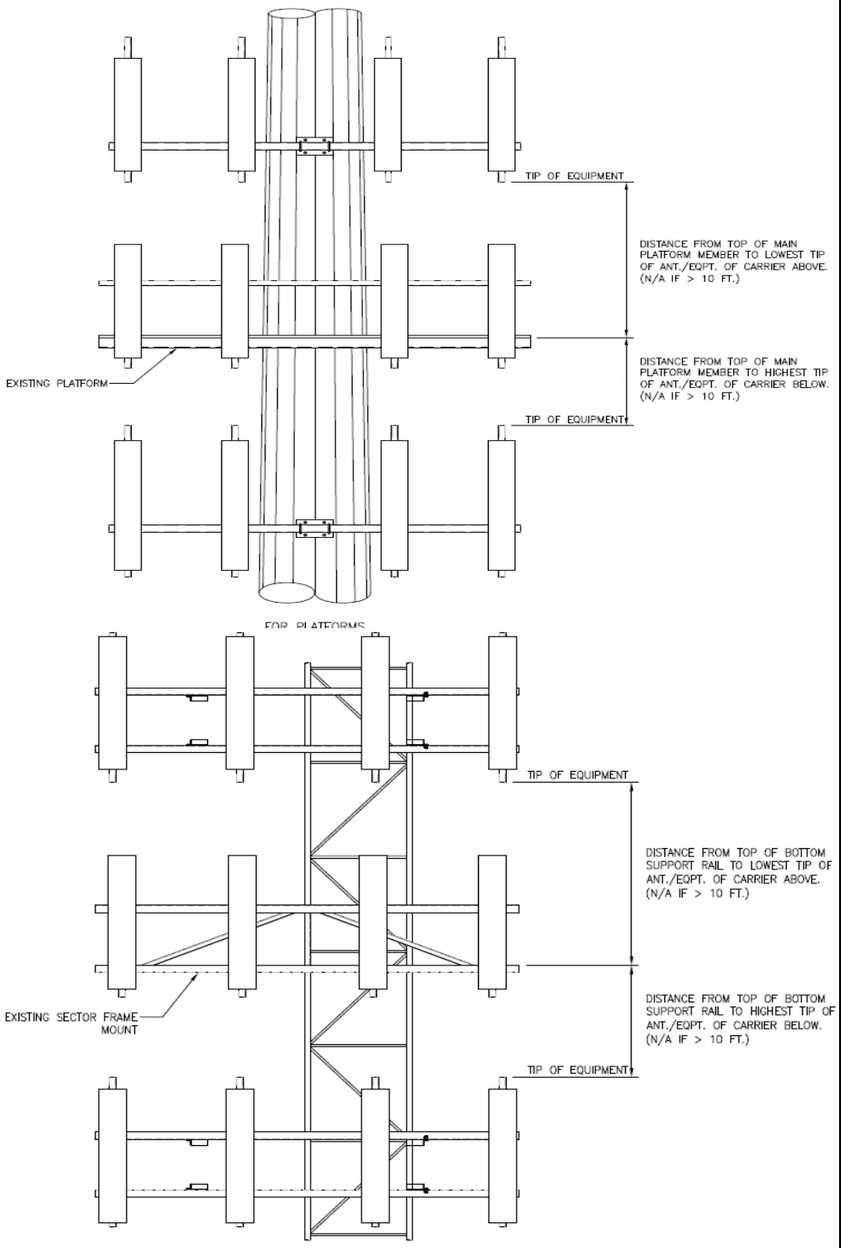


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	LPA-80063-6CF	15.00	13.00	71.00		147.417	40.00	14.00	80.00	45,72
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	(2) JAHH-65B-R3B	14.00	9.00	72.00		147.583	38.00	14.00	70.00	46,73
Ant_{2c}										
Ant_{3a}	B25 RRH 4X30	12.00	7.00	20.50		148.25	30.00	-7.00		47,71
Ant_{3b}	JAHH-65B-R3B	14.00	9.00	72.00		148	33.00	9.50	70.00	47,74
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-6CF	15.00	13.00	71.00		147.417	40.00	14.00	80.00	48,72
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	B13 RRH 4X30	12.00	7.00	20.50						57-59, 61-64
Ant on Standoff	B66a RRH 4X45	12.00	7.00	25.50						57-59,60
Ant on Tower										
Ant on Tower										

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

Climbing Facility Information			
Location:	145.00	Deg	N/A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	LPA-80063-6CF	15.00	13.00	71.00		147.417	40.00	14.00	165.00	49,72
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	(2) JAHH-65B-R3B	14.00	9.00	72.00		147.583	38.00	14.00	190.00	50,73
Ant_{2c}										
Ant_{3a}	B25 RRH 4X30	12.00	7.00	20.50		148.25	30.00	-7.00		51,71
Ant_{3b}	JAHH-65B-R3B	14.00	9.00	72.00		148	33.00	9.50	190.00	51,74
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-6CF	15.00	13.00	71.00		147.417	40.00	14.00	190.00	52,72
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	B13 RRH 4X30	12.00	7.00	20.50						57-59, 61-64
Ant on Standoff	B66a RRH 4X45	12.00	7.00	25.50						57-59,60
Ant on Tower										
Ant on Tower										

Sector C										
Ant_{1a}										
Ant_{1b}	LPA-80063-6CF	15.00	13.00	71.00		147.417	40.00	14.00	335.00	53,72
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	(2) JAHH-65B-R3B	14.00	9.00	72.00		147.583	38.00	14.00	310.00	54,73
Ant_{2c}										
Ant_{3a}	B25 RRH 4X30	12.00	7.00	20.50		148.25	30.00	-7.00		56,71
Ant_{3b}	JAHH-65B-R3B	14.00	9.00	72.00		148	33.00	9.50	310.00	56,74
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-6CF	15.00	13.00	71.00		147.417	40.00	14.00	340.00	56,72
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	B13 RRH 4X30	12.00	7.00	20.50						57-59, 61-64
Ant on Standoff	B66a RRH 4X45	12.00	7.00	25.50						57-59,60
Ant on Tower	OVP	15.00	10.00	28.00						68-70
Ant on Tower										

Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1		
2	(7) 1-5/8"Ø COAX, (1) 1-1/4"Ø HYBRID	103-107
3		
4		
5		
6		
7		
8		

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

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

V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1235976

Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/23/2021
Site Name:	OXFORD NORTH CT	**Tower Type:**	Monopole
Site Number or ID:	468396	**Tower Height (Ft.):**	150
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	146.25

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 warrantying 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

MOUNT MAPPING CHECKLIST

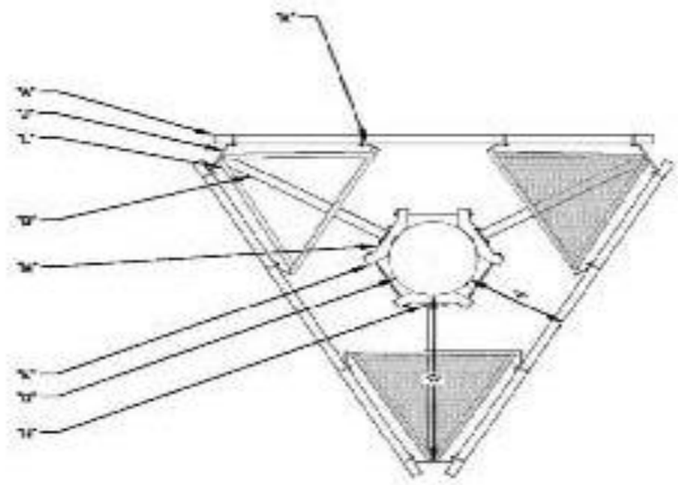
CARRIER:	COLLIER	SITE #:		SITE NAME:	Oxford North CT
DATE:	3/23/2021	MAPPED BY:	JC	SITE OWNER:	CROWN CASTLE

DESCRIPTION	STATUS	Value
A: FACE PIPE CONFIG.		
SIZE		3-1/2"
LENGTH		150"
B: STAND OFF SIZE		4x4x3/16"
C: ANTENNA PIPE MAST		
DIA.		2-3/8"
LENGTH		78"
D: MONOPOLE DIA.		23"
E: RINGMOUNT		10"x 3/8"
F: TOWER TO FACE		37"
G: TOWER TO APEX		69"
H: HARDWARE		5/8"Ø
I: U-BOLTS		1/2"Ø
J: A PLATE		6"x 12.5"x 3"x 1/2"
K: B PLATE		6"x 5"x 3.5"x 3/8"
L: ANGLE		2"X2"X3/16"
M: MOUNTING PLATE		10x10x5/8
N: ALPHA POS 1		LPA-80063-6CF
ALPHA POS 2		(2) JAHH-65B-R3B
ALPHA POS 3		(Spare) JAHH-65B-R3B
ALPHA POS 4		LPA-80063-6CF
ALPHA POS 5		
O: BETA POS 1		LPA-80063-6CF
BETA POS 2		(2) JAHH-65B-R3B
BETA POS 3		(Spare) JAHH-65B-R3B
BETA POS 4		LPA-80063-6CF
BETA POS 5		
P: GAMMA POS 1		LPA-80063-6CF
GAMMA POS 2		(2) JAHH-65B-R3B
GAMMA POS 3		(Spare) JAHH-65B-R3B
GAMMA POS 4		LPA-80063-6CF
GAMMA POS 5		
Q: TMA		None
R: RADIOS	(3) UHIE, B66A RRH 4x45 - (3) B13 RRH 4x30 - (	
S: SURGE		(1) OVP banded to towe
T: SECOND MOUNT		None

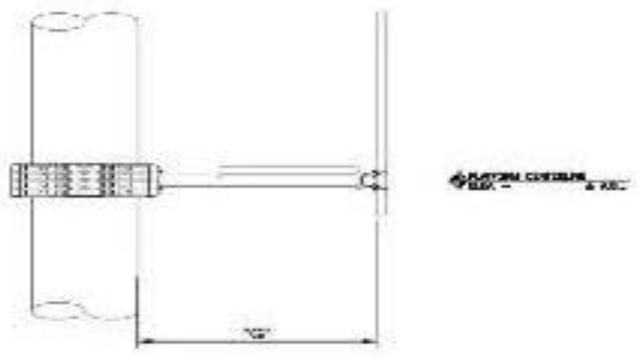
COMMENTS:

Mount CL: 146' 3" to Pad

Legend



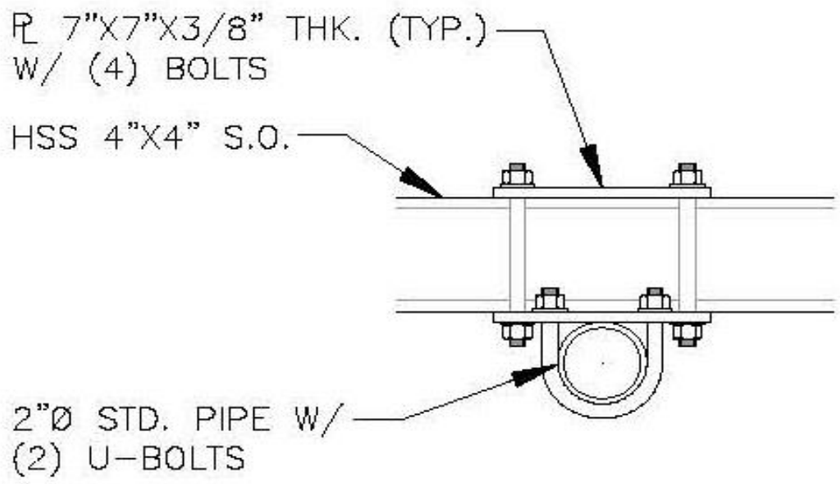
PLAN



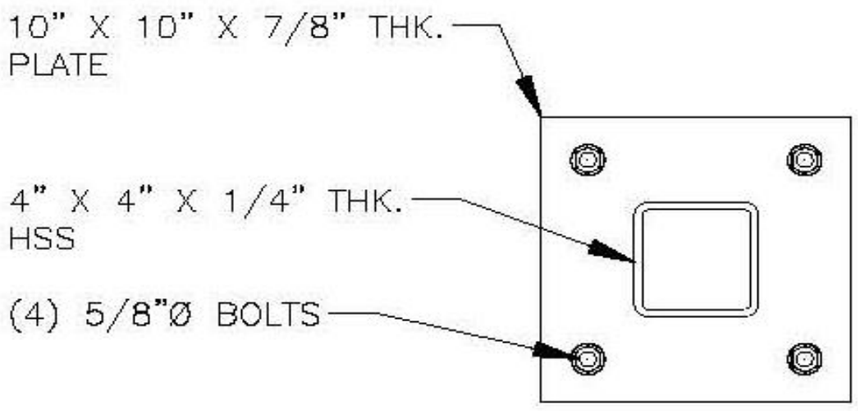
ELEVATION

FACE SKETCH

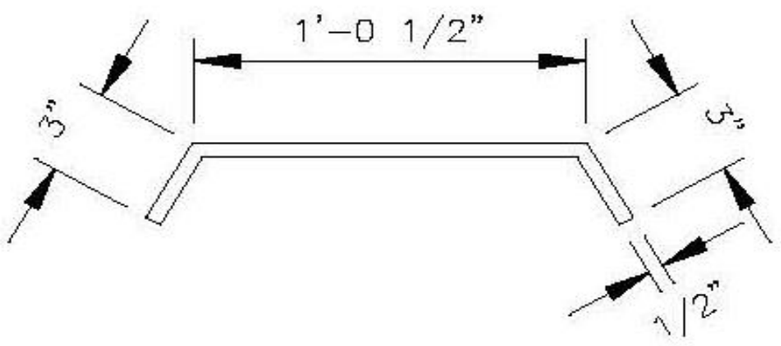
Please Insert Sketches of the Antenna Mount, cont'd



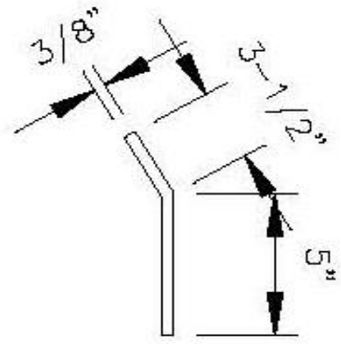
S.O. MOUNT DETAIL



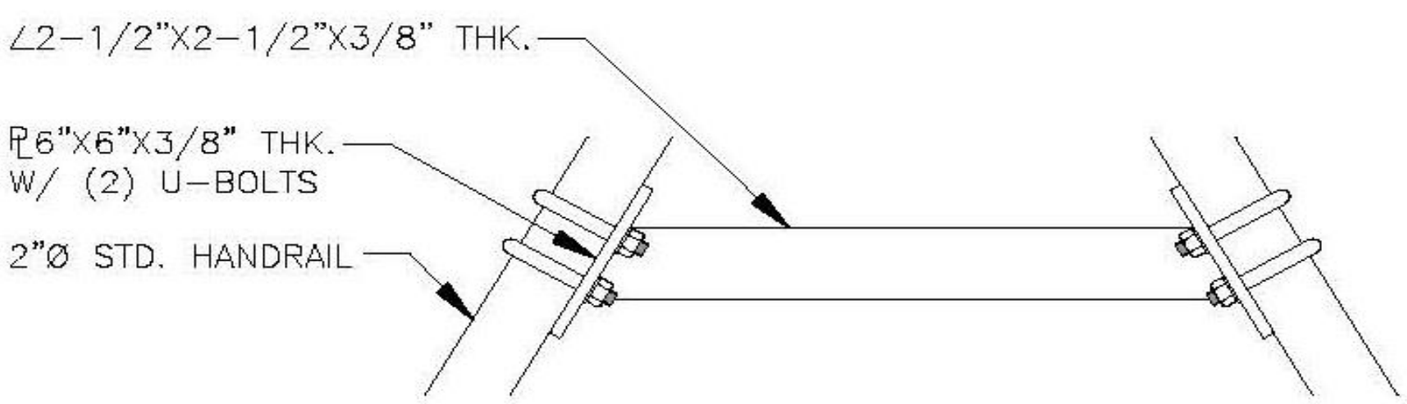
DETAIL M



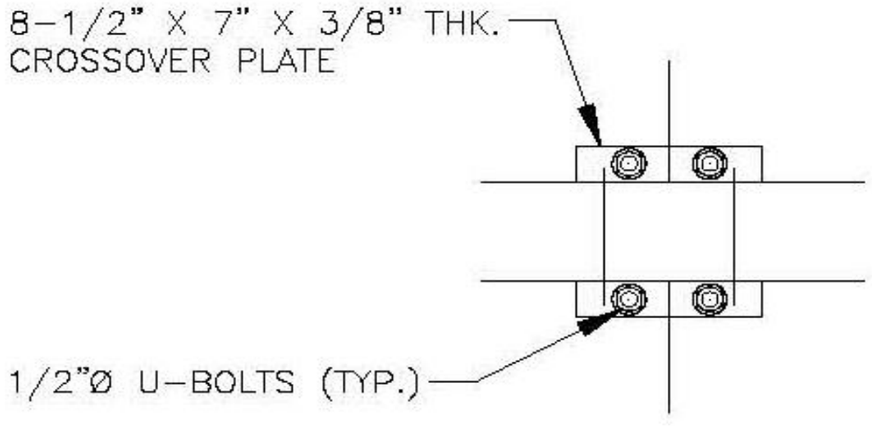
DETAIL J



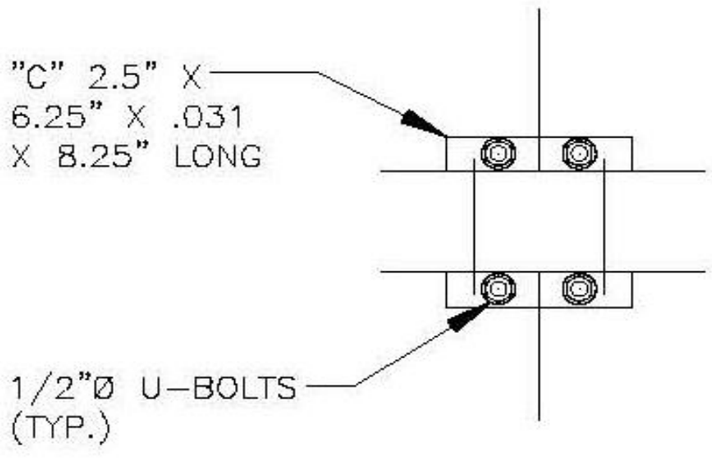
DETAIL K



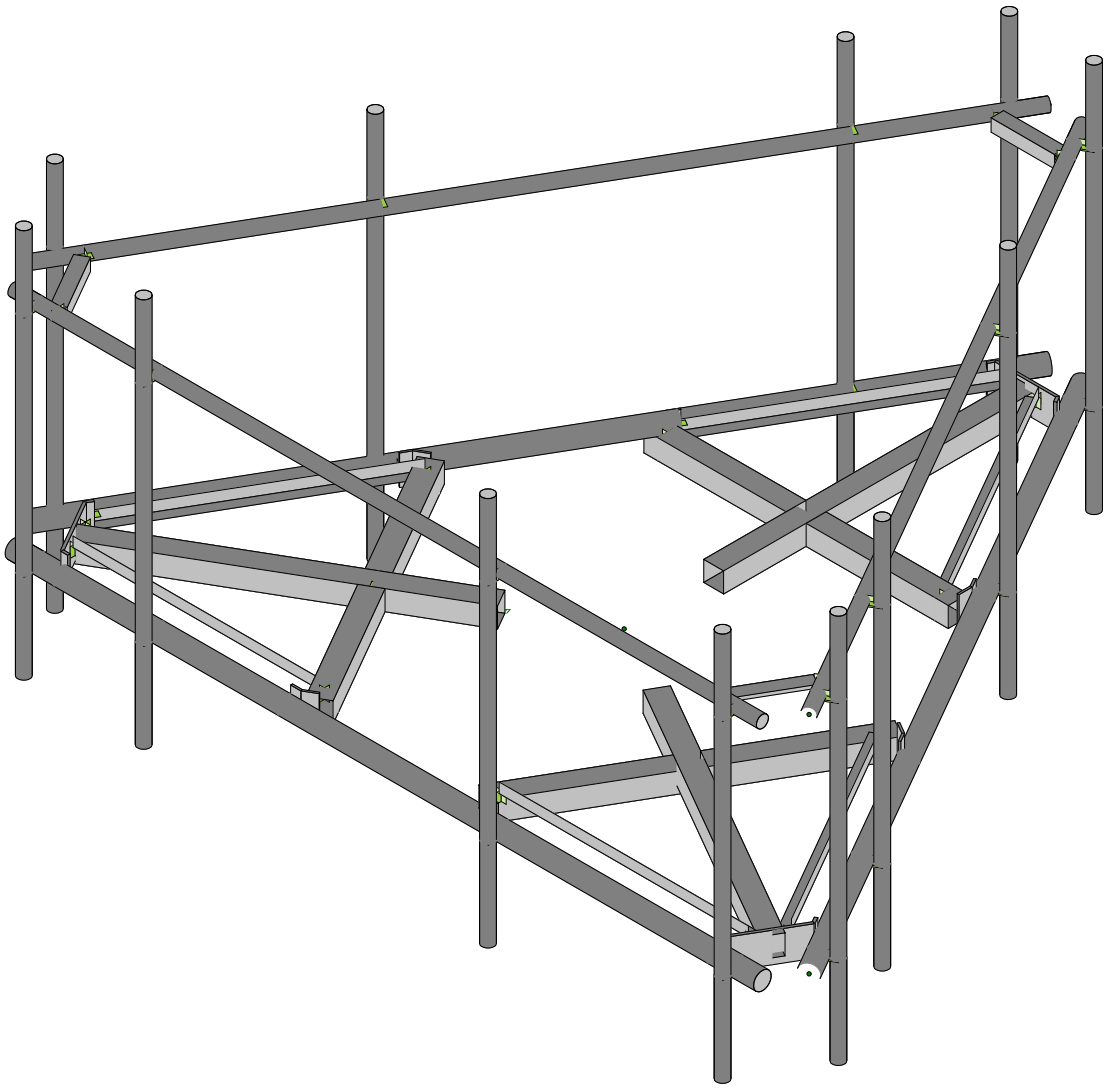
HANDRAIL APEX SUPPORT DETAIL



CROSSOVER PLATE DETAIL (H.R.)

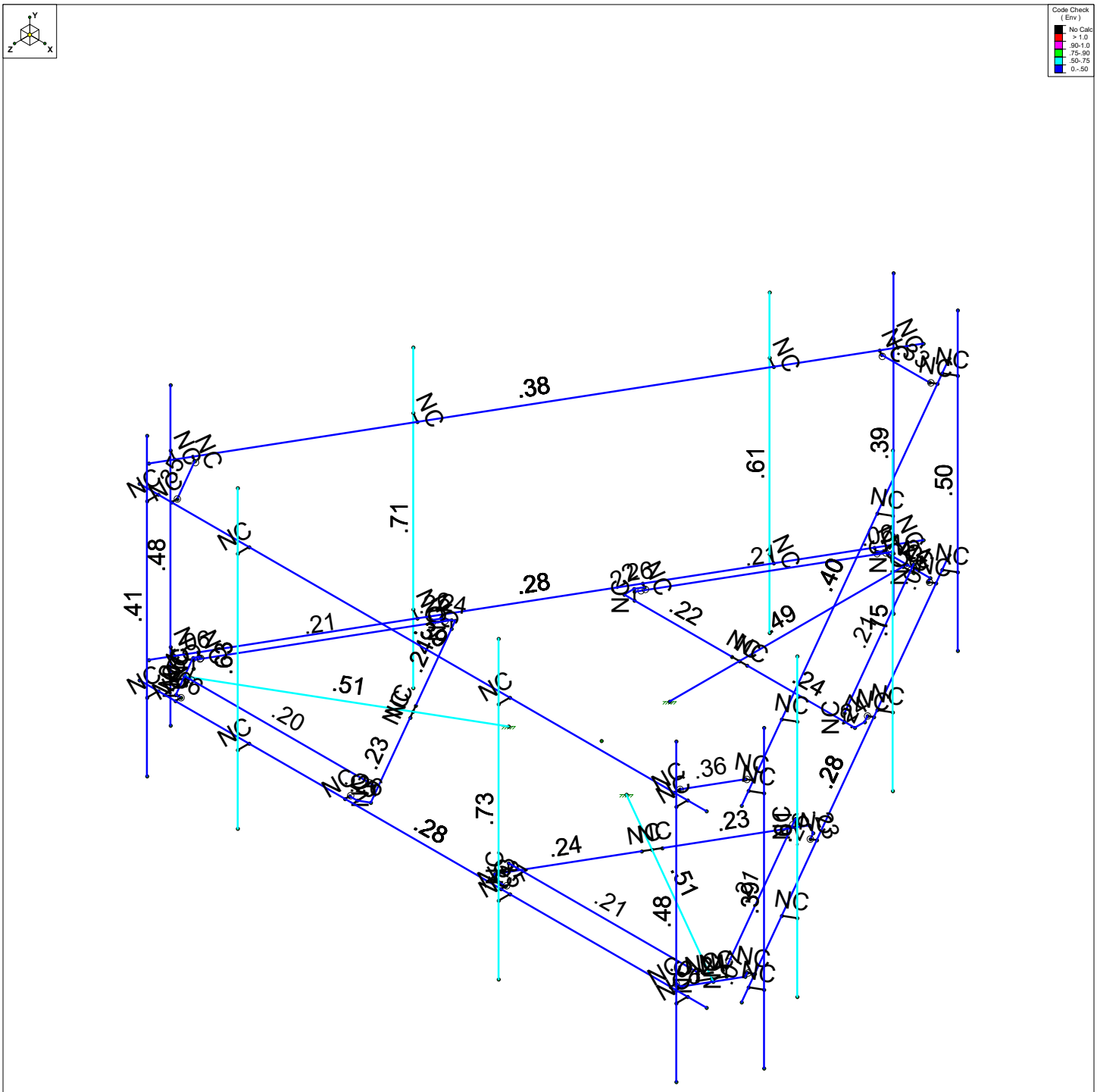


CROSSOVER PLATE
DETAIL (PLATFORM)



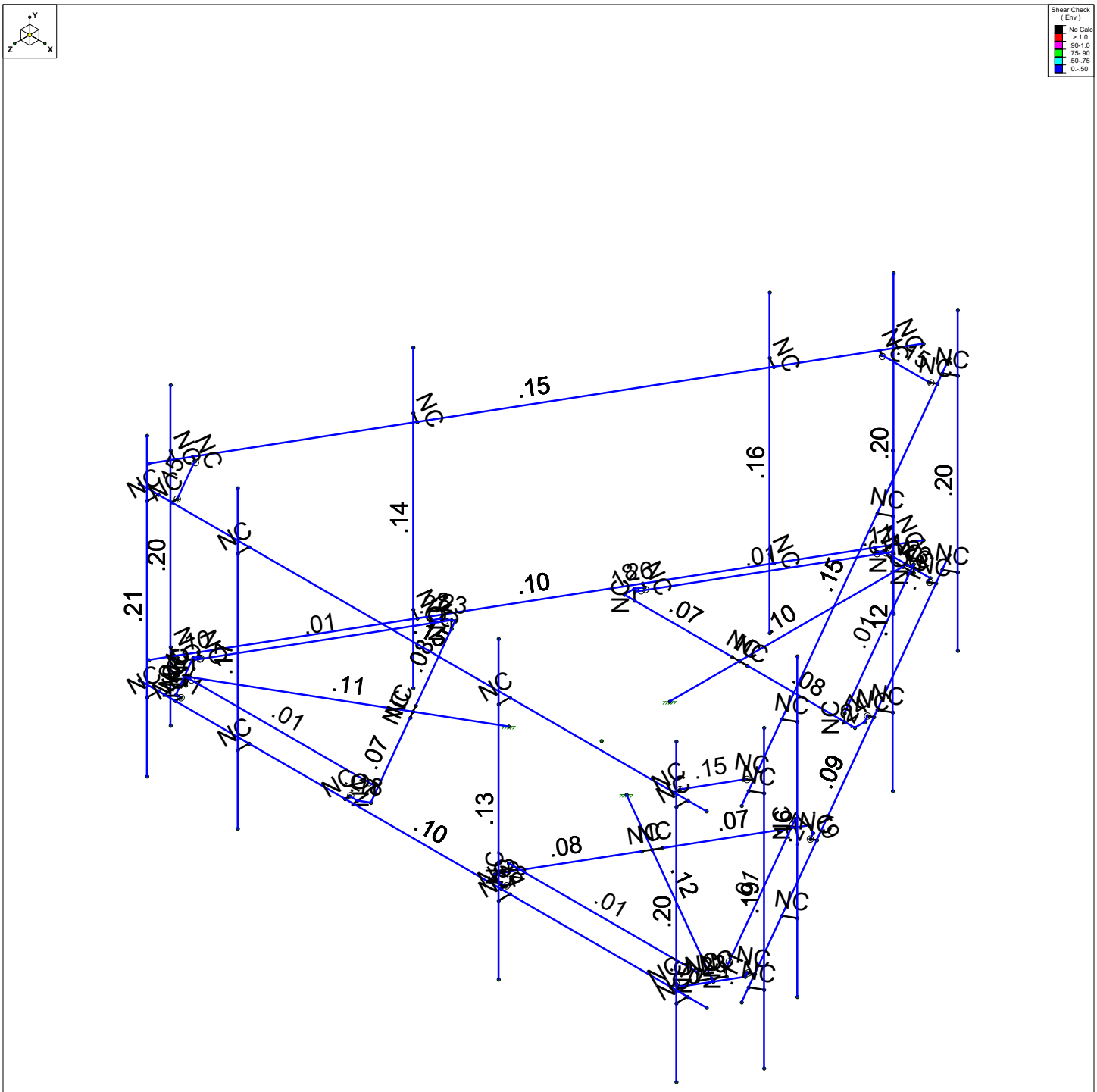
Envelope Only Solution

		SK - 1
		May 7, 2021 at 11:28 AM
		468396-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		May 7, 2021 at 11:28 AM
		468396-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		May 7, 2021 at 11:28 AM
		468396-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(Pl...
1	Antenna D	None					117			
2	Antenna Di	None					117			
3	Antenna Wo (0 Deg)	None					117			
4	Antenna Wo (30 Deg)	None					117			
5	Antenna Wo (60 Deg)	None					117			
6	Antenna Wo (90 Deg)	None					117			
7	Antenna Wo (120 Deg)	None					117			
8	Antenna Wo (150 Deg)	None					117			
9	Antenna Wo (180 Deg)	None					117			
10	Antenna Wo (210 Deg)	None					117			
11	Antenna Wo (240 Deg)	None					117			
12	Antenna Wo (270 Deg)	None					117			
13	Antenna Wo (300 Deg)	None					117			
14	Antenna Wo (330 Deg)	None					117			
15	Antenna Wi (0 Deg)	None					117			
16	Antenna Wi (30 Deg)	None					117			
17	Antenna Wi (60 Deg)	None					117			
18	Antenna Wi (90 Deg)	None					117			
19	Antenna Wi (120 Deg)	None					117			
20	Antenna Wi (150 Deg)	None					117			
21	Antenna Wi (180 Deg)	None					117			
22	Antenna Wi (210 Deg)	None					117			
23	Antenna Wi (240 Deg)	None					117			
24	Antenna Wi (270 Deg)	None					117			
25	Antenna Wi (300 Deg)	None					117			
26	Antenna Wi (330 Deg)	None					117			
27	Antenna Wm (0 Deg)	None					117			
28	Antenna Wm (30 Deg)	None					117			
29	Antenna Wm (60 Deg)	None					117			
30	Antenna Wm (90 Deg)	None					117			
31	Antenna Wm (120 Deg)	None					117			
32	Antenna Wm (150 Deg)	None					117			
33	Antenna Wm (180 Deg)	None					117			
34	Antenna Wm (210 Deg)	None					117			
35	Antenna Wm (240 Deg)	None					117			
36	Antenna Wm (270 Deg)	None					117			
37	Antenna Wm (300 Deg)	None					117			
38	Antenna Wm (330 Deg)	None					117			
39	Structure D	None		-1					3	
40	Structure Di	None						57	3	
41	Structure Wo (0 Deg)	None						114		
42	Structure Wo (30 Deg)	None						114		
43	Structure Wo (60 Deg)	None						114		
44	Structure Wo (90 Deg)	None						114		
45	Structure Wo (120 Deg)	None						114		
46	Structure Wo (150 Deg)	None						114		
47	Structure Wo (180 Deg)	None						114		
48	Structure Wo (210 Deg)	None						114		
49	Structure Wo (240 Deg)	None						114		
50	Structure Wo (270 Deg)	None						114		
51	Structure Wo (300 Deg)	None						114		
52	Structure Wo (330 Deg)	None						114		
53	Structure Wi (0 Deg)	None						114		
54	Structure Wi (30 Deg)	None						114		
55	Structure Wi (60 Deg)	None						114		
56	Structure Wi (90 Deg)	None						114		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(Pl...
57	Structure Wi (120 Deg)	None						114		
58	Structure Wi (150 Deg)	None						114		
59	Structure Wi (180 Deg)	None						114		
60	Structure Wi (210 Deg)	None						114		
61	Structure Wi (240 Deg)	None						114		
62	Structure Wi (270 Deg)	None						114		
63	Structure Wi (300 Deg)	None						114		
64	Structure Wi (330 Deg)	None						114		
65	Structure Wm (0 Deg)	None						114		
66	Structure Wm (30 Deg)	None						114		
67	Structure Wm (60 Deg)	None						114		
68	Structure Wm (90 Deg)	None						114		
69	Structure Wm (120 Deg)	None						114		
70	Structure Wm (150 Deg)	None						114		
71	Structure Wm (180 Deg)	None						114		
72	Structure Wm (210 Deg)	None						114		
73	Structure Wm (240 Deg)	None						114		
74	Structure Wm (270 Deg)	None						114		
75	Structure Wm (300 Deg)	None						114		
76	Structure Wm (330 Deg)	None						114		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Area Loads	None						30		
82	BLC 40 Transient Area Loads	None						30		

Load Combinations

	Description	Solve	PDelta	SR...	BLC	F...	B...	Fac...	BLC	Factor	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										

Load Combinations (Continued)

	Description	Solve	PDelta	SR...	BLC	F...	B...	Fac...	BLC	Factor	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...
27	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-....										
55	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.8...										
59	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.8...										
61	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0Eh (...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-....										
65			Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-....										
66			Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-....										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.25	0	3.935523	0	
2	N2	-6.25	0	3.935523	0	
3	N3	-0.	0	-1.5	0	
4	N5	-2.541667	0	-3.041667	0	
5	N6	2.315104	0.166667	-3.041667	0	
6	N7	-2.315104	0.166667	-3.041667	0	
7	N8	5.833333	0	3.935523	0	
8	N9	5.833333	0	4.185523	0	
9	N10	-5.833333	0	3.935523	0	
10	N11	-5.833333	0	4.185523	0	
11	N12	1.916667	0	3.935523	0	
12	N13	1.916667	0	4.185523	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
13	N14	-3.833333	0	3.935523	0	
14	N15	-3.833333	0	4.185523	0	
15	N16	-3.833333	-1.5	4.185523	0	
16	N17	-3.833333	5	4.185523	0	
17	N18	-5.833333	-1.5	4.185523	0	
18	N19	-5.833333	5	4.185523	0	
19	N20	1.916667	-1.5	4.185523	0	
20	N21	1.916667	5	4.185523	0	
21	N22	5.833333	-1.5	4.185523	0	
22	N23	5.833333	5	4.185523	0	
23	N24	-0.	0	-3.041667	0	
24	N27	-0.	0	-6.729167	0	
25	CP	0	0	0	0	
26	N29	2.315104	0	-3.041667	0	
27	N30	-2.315104	0	-3.041667	0	
28	N101	2.541667	0	-3.041667	0	
29	N102	-0.166667	0	-3.041667	0	
30	N103A	0.166667	0	-3.041667	0	
31	N104A	-2.541667	0	-3.260417	0	
32	N105	2.541667	0	-3.260417	0	
33	N131	2.458333	0	-3.404754	0	
34	N135	0.571615	0	-6.63219	0	
35	N144	-2.458333	0	-3.404754	0	
36	N148	-0.571615	0	-6.63219	0	
37	N86A	2.548545	0	-3.456838	0	
38	N86B	-2.548545	0	-3.456838	0	
39	N86C	-0.515625	0	-6.729167	0	
40	N87A	0.515625	0	-6.729167	0	
41	N86D	0.679344	0	-6.694388	0	
42	N86E	-0.679344	0	-6.694388	0	
43	N88A	-0.	0	-6.645833	0	
44	N87C	0.234238	0.166667	-6.645833	0	
45	N86G	0.234238	0	-6.645833	0	
46	N87B	-0.234238	0.166667	-6.645833	0	
47	N88C	-0.234238	0	-6.645833	0	
48	N48	0.283263	0	-7.38042	0	
49	N49	6.533263	0	3.444897	0	
50	N67	-6.533263	0	3.444897	0	
51	N68	-0.283263	0	-7.38042	0	
52	N84A	-1.299038	0	0.75	0	
53	N85	-1.363327	0	3.721981	0	
54	N86	-3.791713	0.166667	-0.484106	0	
55	N87	-1.476609	0.166667	3.525772	0	
56	N88	-2.634161	0	1.520833	0	
57	N89	-5.827629	0	3.364583	0	
58	N91	-3.791713	0	-0.484106	0	
59	N92	-1.476609	0	3.525772	0	
60	N93	-3.904994	0	-0.680315	0	
61	N94	-2.550827	0	1.665171	0	
62	N95	-2.717494	0	1.376496	0	
63	N96	-1.55277	0	3.831356	0	
64	N97	-4.094437	0	-0.57094	0	
65	N98	-4.17777	0	-0.426602	0	
66	N99	-6.029452	0	2.821062	0	
67	N100	-1.719437	0	3.831356	0	
68	N101A	-5.457838	0	3.811128	0	
69	N102A	-4.267982	0	-0.478685	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
70	N103	-1.719437	0	3.935523	0	
71	N104	-5.569817	0	3.811128	0	
72	N105A	-6.085442	0	2.918039	0	
73	N106	-6.137182	0	2.758864	0	
74	N107	-5.457838	0	3.935523	0	
75	N108	-5.75546	0	3.322917	0	
76	N109	-5.872579	0.166667	3.120061	0	
77	N110	-5.872579	0	3.120061	0	
78	N111	-5.638342	0.166667	3.525772	0	
79	N112	-5.638342	0	3.525772	0	
80	N113	1.299038	0	0.75	0	
81	N114	3.904994	0	-0.680315	0	
82	N115	1.476609	0.166667	3.525772	0	
83	N116	3.791713	0.166667	-0.484106	0	
84	N117	2.634161	0	1.520833	0	
85	N118	5.827629	0	3.364583	0	
86	N120	1.476609	0	3.525772	0	
87	N121	3.791713	0	-0.484106	0	
88	N122	1.363327	0	3.721981	0	
89	N123	2.717494	0	1.376496	0	
90	N124	2.550827	0	1.665171	0	
91	N125	4.094437	0	-0.57094	0	
92	N126	1.55277	0	3.831356	0	
93	N127	1.719437	0	3.831356	0	
94	N128	5.457838	0	3.811128	0	
95	N129	4.17777	0	-0.426602	0	
96	N130	6.029452	0	2.821062	0	
97	N131A	1.719437	0	3.935523	0	
98	N132	4.267982	0	-0.478686	0	
99	N133	6.085442	0	2.918039	0	
100	N134	5.569817	0	3.811128	0	
101	N135A	5.457838	0	3.935523	0	
102	N136	6.137182	0	2.758864	0	
103	N137	5.75546	0	3.322917	0	
104	N138	5.638342	0.166667	3.525772	0	
105	N139	5.638342	0	3.525772	0	
106	N140	5.872579	0.166667	3.120061	0	
107	N141	5.872579	0	3.120061	0	
108	N108A	6.25	3.75	3.935523	0	
109	N109A	-6.25	3.75	3.935523	0	
110	N110A	5.833333	3.75	3.935523	0	
111	N111A	5.833333	3.75	4.185523	0	
112	N112A	-5.833333	3.75	3.935523	0	
113	N113A	-5.833333	3.75	4.185523	0	
114	N114A	1.916667	3.75	3.935523	0	
115	N115A	1.916667	3.75	4.185523	0	
116	N116A	-3.833333	3.75	3.935523	0	
117	N117A	-3.833333	3.75	4.185523	0	
118	N119	0.283263	3.75	-7.38042	0	
119	N120A	6.533263	3.75	3.444897	0	
120	N121A	0.491596	3.75	-7.019576	0	
121	N122A	0.708103	3.75	-7.144576	0	
122	N123A	6.32493	3.75	3.084053	0	
123	N124A	6.541436	3.75	2.959053	0	
124	N125A	2.44993	3.75	-3.627644	0	
125	N126A	2.666436	3.75	-3.752644	0	
126	N127A	5.32493	3.75	1.352002	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
127	N128A	5.541436	3.75	1.227002	0	
128	N130A	-6.533263	3.75	3.444897	0	
129	N131B	-0.283263	3.75	-7.38042	0	
130	N132A	-6.32493	3.75	3.084053	0	
131	N133A	-6.541436	3.75	2.959053	0	
132	N134A	-0.491596	3.75	-7.019576	0	
133	N135B	-0.708103	3.75	-7.144576	0	
134	N136A	-4.366596	3.75	-0.30788	0	
135	N137A	-4.583103	3.75	-0.43288	0	
136	N138A	-1.491596	3.75	-5.287526	0	
137	N139A	-1.708103	3.75	-5.412526	0	
138	N138B	5.541436	-1.5	1.227002	0	
139	N139B	5.541436	5	1.227002	0	
140	N140A	6.541436	-1.5	2.959053	0	
141	N141A	6.541436	5	2.959053	0	
142	N142	2.666436	-1.5	-3.752644	0	
143	N143	2.666436	5	-3.752644	0	
144	N144A	0.708103	-1.5	-7.144576	0	
145	N145	0.708103	5	-7.144576	0	
146	N147	-1.708103	-1.5	-5.412526	0	
147	N148A	-1.708103	5	-5.412526	0	
148	N149	-0.708103	-1.5	-7.144576	0	
149	N150	-0.708103	5	-7.144576	0	
150	N151	-4.583103	-1.5	-0.43288	0	
151	N152	-4.583103	5	-0.43288	0	
152	N153	-6.541436	-1.5	2.959053	0	
153	N154	-6.541436	5	2.959053	0	
154	N154A	0.529948	3.75	-6.704359	0	
155	N155	-0.529948	3.75	-6.704359	0	
156	N156	0.637678	3.75	-6.766556	0	
157	N157	-0.637678	3.75	-6.766556	0	
158	N159	-6.071119	3.75	2.893231	0	
159	N160	-5.541171	3.75	3.811128	0	
160	N161	-6.178849	3.75	2.831033	0	
161	N162	-5.541171	3.75	3.935523	0	
162	N164	5.541171	3.75	3.811128	0	
163	N165	6.071119	3.75	2.893231	0	
164	N166	5.541171	3.75	3.935523	0	
165	N167	6.178849	3.75	2.831033	0	
166	N166A	0.491596	0	-7.019576	0	
167	N167A	0.708103	0	-7.144576	0	
168	N168	6.32493	0	3.084053	0	
169	N169	6.541436	0	2.959053	0	
170	N170	2.44993	0	-3.627644	0	
171	N171	2.666436	0	-3.752644	0	
172	N172	5.32493	0	1.352002	0	
173	N173	5.541436	0	1.227002	0	
174	N183	-6.32493	0	3.084053	0	
175	N184	-6.541436	0	2.959053	0	
176	N185	-0.491596	0	-7.019576	0	
177	N186	-0.708103	0	-7.144576	0	
178	N187	-4.366596	0	-0.30788	0	
179	N188	-4.583103	0	-0.43288	0	
180	N189	-1.491596	0	-5.287526	0	
181	N190	-1.708103	0	-5.412526	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical	2.58	6.21	6.21	10
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmem...	HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical	2.58	6.21	6.21	10
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	P2.5 Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
10	Conner Angle	L2.5x2.5x6	Beam	Single Angle	A36 Gr.36	Typical	1.73	.972	.972	.083

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[k/f...	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	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horizont...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Crossm...	Beam	SquareTube	A500 Gr.B...	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	M21	N12	N13			RIGID	None	None	RIGID	Typical
7	M22	N14	N15			RIGID	None	None	RIGID	Typical
8	MP3A	N17	N16			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
9	MP4A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	MP2A	N21	N20			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
12	M43	N102	N5			Platform Crossm...	Beam	SquareTube	A500 Gr.B...	Typical
13	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
14	M35A	N7	N30			RIGID	None	None	RIGID	Typical
15	M36A	N6	N29			RIGID	None	None	RIGID	Typical
16	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
17	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
18	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
19	M58	N102	N24			RIGID	None	None	RIGID	Typical
20	M59	N24	N103A			RIGID	None	None	RIGID	Typical
21	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
23	M79	N131	N86A			RIGID	None	None	RIGID	Typical
24	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
25	M83	N135	N86D			RIGID	None	None	RIGID	Typical
26	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
27	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
28	M88	N144	N86B			RIGID	None	None	RIGID	Typical
29	M91	N86C	N148			Corner Plate	Beam	BAR	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
30	M92	N148	N86E			RIGID	None	None	RIGID	Typical
31	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
32	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
33	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
34	M34	N48	N49			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
35	M43A	N67	N68			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
36	M52A	N84A	N89			Standoff Horizont...	Beam	SquareTube	A500 Gr.B...	Typical
37	M53	N93	N95			Platform Crossm...	Beam	SquareTube	A500 Gr.B...	Typical
38	M54	N94	N85			Platform Crossm...	Beam	SquareTube	A500 Gr.B...	Typical
39	M55	N104	N105A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
40	M56	N87	N92			RIGID	None	None	RIGID	Typical
41	M57	N86	N91			RIGID	None	None	RIGID	Typical
42	M58A	N109	N86			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
43	M59A	N87	N111			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
44	M60	N111	N112			RIGID	None	None	RIGID	Typical
45	M61	N94	N88			RIGID	None	None	RIGID	Typical
46	M62	N88	N95			RIGID	None	None	RIGID	Typical
47	M63	N93	N97			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
48	M64	N97	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
49	M65	N98	N102A			RIGID	None	None	RIGID	Typical
50	M66	N105A	N99			Corner Plate	Beam	BAR	A36 Gr.36	Typical
51	M67	N99	N106			RIGID	None	None	RIGID	Typical
52	M68	N85	N96			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
53	M69	N96	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
54	M70	N100	N103			RIGID	None	None	RIGID	Typical
55	M71	N104	N101A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
56	M72	N101A	N107			RIGID	None	None	RIGID	Typical
57	M73	N112	N108			RIGID	None	None	RIGID	Typical
58	M74	N108	N110			RIGID	None	None	RIGID	Typical
59	M75	N109	N110			RIGID	None	None	RIGID	Typical
60	M76A	N113	N118			Standoff Horizont...	Beam	SquareTube	A500 Gr.B...	Typical
61	M77A	N122	N124			Platform Crossm...	Beam	SquareTube	A500 Gr.B...	Typical
62	M78	N123	N114			Platform Crossm...	Beam	SquareTube	A500 Gr.B...	Typical
63	M79A	N133	N134			Corner Plate	Beam	BAR	A36 Gr.36	Typical
64	M80A	N116	N121			RIGID	None	None	RIGID	Typical
65	M81	N115	N120			RIGID	None	None	RIGID	Typical
66	M82	N138	N115			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
67	M83A	N116	N140			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
68	M84A	N140	N141			RIGID	None	None	RIGID	Typical
69	M85A	N123	N117			RIGID	None	None	RIGID	Typical
70	M86	N117	N124			RIGID	None	None	RIGID	Typical
71	M87	N122	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
72	M88A	N126	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
73	M89	N127	N131A			RIGID	None	None	RIGID	Typical
74	M90	N134	N128			Corner Plate	Beam	BAR	A36 Gr.36	Typical
75	M91A	N128	N135A			RIGID	None	None	RIGID	Typical
76	M92A	N114	N125			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
77	M93	N125	N129			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
78	M94	N129	N132			RIGID	None	None	RIGID	Typical
79	M95	N133	N130			Corner Plate	Beam	BAR	A36 Gr.36	Typical
80	M96	N130	N136			RIGID	None	None	RIGID	Typical
81	M97	N141	N137			RIGID	None	None	RIGID	Typical
82	M98	N137	N139			RIGID	None	None	RIGID	Typical
83	M99	N138	N139			RIGID	None	None	RIGID	Typical
84	M84B	N108A	N109A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
85	M85B	N110A	N111A			RIGID	None	None	RIGID	Typical
86	M86A	N112A	N113A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
87	M87A	N114A	N115A			RIGID	None	None	RIGID	Typical
88	M88B	N116A	N117A			RIGID	None	None	RIGID	Typical
89	M89A	N119	N120A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
90	M90A	N121A	N122A			RIGID	None	None	RIGID	Typical
91	M91B	N123A	N124A			RIGID	None	None	RIGID	Typical
92	M92B	N125A	N126A			RIGID	None	None	RIGID	Typical
93	M93A	N127A	N128A			RIGID	None	None	RIGID	Typical
94	M94A	N130A	N131B			Support Rail	Beam	Pipe	A53 Gr.B	Typical
95	M95A	N132A	N133A			RIGID	None	None	RIGID	Typical
96	M96A	N134A	N135B			RIGID	None	None	RIGID	Typical
97	M97A	N136A	N137A			RIGID	None	None	RIGID	Typical
98	M98A	N138A	N139A			RIGID	None	None	RIGID	Typical
99	MP3C	N139B	N138B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	MP4C	N141A	N140A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
101	MP2C	N143	N142			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	MP1C	N145	N144A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
103	MP3B	N148A	N147			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
104	MP4B	N150	N149			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
105	MP2B	N152	N151			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
106	MP1B	N154	N153			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
107	M107	N154A	N156			RIGID	None	None	RIGID	Typical
108	M108	N155	N157			RIGID	None	None	RIGID	Typical
109	M109	N155	N154A		180	Conner Angle	Beam	Single Angle	A36 Gr.36	Typical
110	M110	N159	N161			RIGID	None	None	RIGID	Typical
111	M111	N160	N162			RIGID	None	None	RIGID	Typical
112	M112	N160	N159		180	Conner Angle	Beam	Single Angle	A36 Gr.36	Typical
113	M113	N164	N166			RIGID	None	None	RIGID	Typical
114	M114	N165	N167			RIGID	None	None	RIGID	Typical
115	M115	N165	N164		180	Conner Angle	Beam	Single Angle	A36 Gr.36	Typical
116	M116	N166A	N167A			RIGID	None	None	RIGID	Typical
117	M117	N168	N169			RIGID	None	None	RIGID	Typical
118	M118	N170	N171			RIGID	None	None	RIGID	Typical
119	M119	N172	N173			RIGID	None	None	RIGID	Typical
120	M124	N183	N184			RIGID	None	None	RIGID	Typical
121	M125	N185	N186			RIGID	None	None	RIGID	Typical
122	M126	N187	N188			RIGID	None	None	RIGID	Typical
123	M127	N189	N190			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	M1						Yes	Default			None
2	M4						Yes				None
3	M10						Yes	Default			None
4	M19						Yes	** NA **			None
5	M20						Yes	** NA **			None
6	M21						Yes	** NA **			None
7	M22						Yes	** NA **			None
8	MP3A						Yes	** NA **			None
9	MP4A						Yes	** NA **			None
10	MP2A						Yes	** NA **			None
11	MP1A						Yes	** NA **			None
12	M43						Yes	Default			None
13	M46						Yes	Default			None
14	M35A						Yes	** NA **			None
15	M36A						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...
16	M51B	OOOOOX	OOOOOX				Yes	Default			None
17	M52B	OOOOOX	OOOOOX				Yes	Default			None
18	M52						Yes	** NA **			None
19	M58						Yes	** NA **			None
20	M59						Yes	** NA **			None
21	M76						Yes	** NA **			None
22	M77						Yes	** NA **			None
23	M79		BenPIN				Yes	** NA **			None
24	M80						Yes				None
25	M83		BenPIN				Yes	** NA **			None
26	M84						Yes	** NA **			None
27	M85						Yes	** NA **			None
28	M88		BenPIN				Yes	** NA **			None
29	M91						Yes				None
30	M92		BenPIN				Yes	** NA **			None
31	M50						Yes	** NA **			None
32	M51						Yes	** NA **			None
33	M51A						Yes	** NA **			None
34	M34						Yes	Default			None
35	M43A						Yes	Default			None
36	M52A						Yes				None
37	M53						Yes	Default			None
38	M54						Yes	Default			None
39	M55						Yes	Default			None
40	M56						Yes	** NA **			None
41	M57						Yes	** NA **			None
42	M58A	OOOOOX	OOOOOX				Yes	Default			None
43	M59A	OOOOOX	OOOOOX				Yes	Default			None
44	M60						Yes	** NA **			None
45	M61						Yes	** NA **			None
46	M62						Yes	** NA **			None
47	M63						Yes	** NA **			None
48	M64						Yes	** NA **			None
49	M65		BenPIN				Yes	** NA **			None
50	M66						Yes				None
51	M67		BenPIN				Yes	** NA **			None
52	M68						Yes	** NA **			None
53	M69						Yes	** NA **			None
54	M70		BenPIN				Yes	** NA **			None
55	M71						Yes				None
56	M72		BenPIN				Yes	** NA **			None
57	M73						Yes	** NA **			None
58	M74						Yes	** NA **			None
59	M75						Yes	** NA **			None
60	M76A						Yes				None
61	M77A						Yes	Default			None
62	M78						Yes	Default			None
63	M79A						Yes	Default			None
64	M80A						Yes	** NA **			None
65	M81						Yes	** NA **			None
66	M82	OOOOOX	OOOOOX				Yes	Default			None
67	M83A	OOOOOX	OOOOOX				Yes	Default			None
68	M84A						Yes	** NA **			None
69	M85A						Yes	** NA **			None
70	M86						Yes	** NA **			None
71	M87						Yes	** NA **			None
72	M88A						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...
73	M89		BenPIN				Yes	** NA **			None
74	M90						Yes				None
75	M91A		BenPIN				Yes	** NA **			None
76	M92A						Yes	** NA **			None
77	M93						Yes	** NA **			None
78	M94		BenPIN				Yes	** NA **			None
79	M95						Yes				None
80	M96		BenPIN				Yes	** NA **			None
81	M97						Yes	** NA **			None
82	M98						Yes	** NA **			None
83	M99						Yes	** NA **			None
84	M84B						Yes	Default			None
85	M85B						Yes	** NA **			None
86	M86A						Yes	** NA **			None
87	M87A						Yes	** NA **			None
88	M88B						Yes	** NA **			None
89	M89A						Yes	Default			None
90	M90A						Yes	** NA **			None
91	M91B						Yes	** NA **			None
92	M92B						Yes	** NA **			None
93	M93A						Yes	** NA **			None
94	M94A						Yes	Default			None
95	M95A						Yes	** NA **			None
96	M96A						Yes	** NA **			None
97	M97A						Yes	** NA **			None
98	M98A						Yes	** NA **			None
99	MP3C						Yes	** NA **			None
100	MP4C						Yes	** NA **			None
101	MP2C						Yes	** NA **			None
102	MP1C						Yes	** NA **			None
103	MP3B						Yes	** NA **			None
104	MP4B						Yes	** NA **			None
105	MP2B						Yes	** NA **			None
106	MP1B						Yes	** NA **			None
107	M107		OOOOOO				Yes	** NA **			None
108	M108		OOOOOO				Yes	** NA **			None
109	M109						Yes				None
110	M110		OOOOOO				Yes	** NA **			None
111	M111		OOOOOO				Yes	** NA **			None
112	M112						Yes				None
113	M113		OOOOOO				Yes	** NA **			None
114	M114		OOOOOO				Yes	** NA **			None
115	M115						Yes				None
116	M116						Yes	** NA **			None
117	M117						Yes	** NA **			None
118	M118						Yes	** NA **			None
119	M119						Yes	** NA **			None
120	M124						Yes	** NA **			None
121	M125						Yes	** NA **			None
122	M126						Yes	** NA **			None
123	M127						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-43.55	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	My	-.022	2.5
3	MP3A	Mz	0	2.5
4	MP3A	Y	-43.55	4.5
5	MP3A	My	-.022	4.5
6	MP3A	Mz	0	4.5
7	MP3B	Y	-43.55	2.5
8	MP3B	My	.011	2.5
9	MP3B	Mz	-.019	2.5
10	MP3B	Y	-43.55	4.5
11	MP3B	My	.011	4.5
12	MP3B	Mz	-.019	4.5
13	MP3C	Y	-43.55	2.5
14	MP3C	My	.011	2.5
15	MP3C	Mz	.019	2.5
16	MP3C	Y	-43.55	4.5
17	MP3C	My	.011	4.5
18	MP3C	Mz	.019	4.5
19	MP2A	Y	-10.4	2
20	MP2A	My	.005	2
21	MP2A	Mz	0	2
22	MP2B	Y	-10.4	2
23	MP2B	My	-.003	2
24	MP2B	Mz	.005	2
25	MP2C	Y	-10.4	2
26	MP2C	My	-.003	2
27	MP2C	Mz	-.005	2
28	MP2A	Y	-84.4	3.5
29	MP2A	My	.042	3.5
30	MP2A	Mz	0	3.5
31	MP2B	Y	-84.4	3.5
32	MP2B	My	-.021	3.5
33	MP2B	Mz	.037	3.5
34	MP2C	Y	-84.4	3.5
35	MP2C	My	-.021	3.5
36	MP2C	Mz	-.037	3.5
37	MP3A	Y	-70.3	3.5
38	MP3A	My	.035	3.5
39	MP3A	Mz	0	3.5
40	MP3B	Y	-70.3	3.5
41	MP3B	My	-.018	3.5
42	MP3B	Mz	.03	3.5
43	MP3C	Y	-70.3	3.5
44	MP3C	My	-.018	3.5
45	MP3C	Mz	-.03	3.5
46	MP2A	Y	-31.65	1.5
47	MP2A	My	-.016	1.5
48	MP2A	Mz	.018	1.5
49	MP2A	Y	-31.65	5.5
50	MP2A	My	-.016	5.5
51	MP2A	Mz	.018	5.5
52	MP2B	Y	-31.65	1.5
53	MP2B	My	.008	1.5
54	MP2B	Mz	.023	1.5
55	MP2B	Y	-31.65	5.5
56	MP2B	My	.008	5.5
57	MP2B	Mz	.023	5.5
58	MP2C	Y	-31.65	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2C	My	-.008	1.5
60	MP2C	Mz	-.023	1.5
61	MP2C	Y	-31.65	5.5
62	MP2C	My	-.008	5.5
63	MP2C	Mz	-.023	5.5
64	MP2A	Y	-31.65	1.5
65	MP2A	My	-.016	1.5
66	MP2A	Mz	-.018	1.5
67	MP2A	Y	-31.65	5.5
68	MP2A	My	-.016	5.5
69	MP2A	Mz	-.018	5.5
70	MP2B	Y	-31.65	1.5
71	MP2B	My	-.024	1.5
72	MP2B	Mz	.004	1.5
73	MP2B	Y	-31.65	5.5
74	MP2B	My	-.024	5.5
75	MP2B	Mz	.004	5.5
76	MP2C	Y	-31.65	1.5
77	MP2C	My	-.008	1.5
78	MP2C	Mz	.023	1.5
79	MP2C	Y	-31.65	5.5
80	MP2C	My	-.008	5.5
81	MP2C	Mz	.023	5.5
82	MP1A	Y	-13.5	1.5
83	MP1A	My	-.007	1.5
84	MP1A	Mz	0	1.5
85	MP1A	Y	-13.5	5.5
86	MP1A	My	-.007	5.5
87	MP1A	Mz	0	5.5
88	MP1B	Y	-13.5	1.5
89	MP1B	My	.003	1.5
90	MP1B	Mz	-.006	1.5
91	MP1B	Y	-13.5	5.5
92	MP1B	My	.003	5.5
93	MP1B	Mz	-.006	5.5
94	MP1C	Y	-13.5	1.5
95	MP1C	My	.003	1.5
96	MP1C	Mz	.006	1.5
97	MP1C	Y	-13.5	5.5
98	MP1C	My	.003	5.5
99	MP1C	Mz	.006	5.5
100	MP4A	Y	-13.5	1.5
101	MP4A	My	-.007	1.5
102	MP4A	Mz	0	1.5
103	MP4A	Y	-13.5	5.5
104	MP4A	My	-.007	5.5
105	MP4A	Mz	0	5.5
106	MP4B	Y	-13.5	1.5
107	MP4B	My	.003	1.5
108	MP4B	Mz	-.006	1.5
109	MP4B	Y	-13.5	5.5
110	MP4B	My	.003	5.5
111	MP4B	Mz	-.006	5.5
112	MP4C	Y	-13.5	1.5
113	MP4C	My	.003	1.5
114	MP4C	Mz	.006	1.5
115	MP4C	Y	-13.5	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP4C	My	.003	5.5
117	MP4C	Mz	.006	5.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-35.838	2.5
2	MP3A	My	-.018	2.5
3	MP3A	Mz	0	2.5
4	MP3A	Y	-35.838	4.5
5	MP3A	My	-.018	4.5
6	MP3A	Mz	0	4.5
7	MP3B	Y	-35.838	2.5
8	MP3B	My	.009	2.5
9	MP3B	Mz	-.016	2.5
10	MP3B	Y	-35.838	4.5
11	MP3B	My	.009	4.5
12	MP3B	Mz	-.016	4.5
13	MP3C	Y	-35.838	2.5
14	MP3C	My	.009	2.5
15	MP3C	Mz	.016	2.5
16	MP3C	Y	-35.838	4.5
17	MP3C	My	.009	4.5
18	MP3C	Mz	.016	4.5
19	MP2A	Y	-10.818	2
20	MP2A	My	.005	2
21	MP2A	Mz	0	2
22	MP2B	Y	-10.818	2
23	MP2B	My	-.003	2
24	MP2B	Mz	.005	2
25	MP2C	Y	-10.818	2
26	MP2C	My	-.003	2
27	MP2C	Mz	-.005	2
28	MP2A	Y	-45.188	3.5
29	MP2A	My	.023	3.5
30	MP2A	Mz	0	3.5
31	MP2B	Y	-45.188	3.5
32	MP2B	My	-.011	3.5
33	MP2B	Mz	.02	3.5
34	MP2C	Y	-45.188	3.5
35	MP2C	My	-.011	3.5
36	MP2C	Mz	-.02	3.5
37	MP3A	Y	-40.639	3.5
38	MP3A	My	.02	3.5
39	MP3A	Mz	0	3.5
40	MP3B	Y	-40.639	3.5
41	MP3B	My	-.01	3.5
42	MP3B	Mz	.018	3.5
43	MP3C	Y	-40.639	3.5
44	MP3C	My	-.01	3.5
45	MP3C	Mz	-.018	3.5
46	MP2A	Y	-70.381	1.5
47	MP2A	My	-.035	1.5
48	MP2A	Mz	.041	1.5
49	MP2A	Y	-70.381	5.5
50	MP2A	My	-.035	5.5
51	MP2A	Mz	.041	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2B	Y	-70.381	1.5
53	MP2B	My	.018	1.5
54	MP2B	Mz	.051	1.5
55	MP2B	Y	-70.381	5.5
56	MP2B	My	.018	5.5
57	MP2B	Mz	.051	5.5
58	MP2C	Y	-70.381	1.5
59	MP2C	My	-.018	1.5
60	MP2C	Mz	-.051	1.5
61	MP2C	Y	-70.381	5.5
62	MP2C	My	-.018	5.5
63	MP2C	Mz	-.051	5.5
64	MP2A	Y	-70.381	1.5
65	MP2A	My	-.035	1.5
66	MP2A	Mz	-.041	1.5
67	MP2A	Y	-70.381	5.5
68	MP2A	My	-.035	5.5
69	MP2A	Mz	-.041	5.5
70	MP2B	Y	-70.381	1.5
71	MP2B	My	-.053	1.5
72	MP2B	Mz	.01	1.5
73	MP2B	Y	-70.381	5.5
74	MP2B	My	-.053	5.5
75	MP2B	Mz	.01	5.5
76	MP2C	Y	-70.381	1.5
77	MP2C	My	-.018	1.5
78	MP2C	Mz	.051	1.5
79	MP2C	Y	-70.381	5.5
80	MP2C	My	-.018	5.5
81	MP2C	Mz	.051	5.5
82	MP1A	Y	-89.214	1.5
83	MP1A	My	-.045	1.5
84	MP1A	Mz	0	1.5
85	MP1A	Y	-89.214	5.5
86	MP1A	My	-.045	5.5
87	MP1A	Mz	0	5.5
88	MP1B	Y	-89.214	1.5
89	MP1B	My	.022	1.5
90	MP1B	Mz	-.039	1.5
91	MP1B	Y	-89.214	5.5
92	MP1B	My	.022	5.5
93	MP1B	Mz	-.039	5.5
94	MP1C	Y	-89.214	1.5
95	MP1C	My	.022	1.5
96	MP1C	Mz	.039	1.5
97	MP1C	Y	-89.214	5.5
98	MP1C	My	.022	5.5
99	MP1C	Mz	.039	5.5
100	MP4A	Y	-89.214	1.5
101	MP4A	My	-.045	1.5
102	MP4A	Mz	0	1.5
103	MP4A	Y	-89.214	5.5
104	MP4A	My	-.045	5.5
105	MP4A	Mz	0	5.5
106	MP4B	Y	-89.214	1.5
107	MP4B	My	.022	1.5
108	MP4B	Mz	-.039	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP4B	Y	-89.214	5.5
110	MP4B	My	.022	5.5
111	MP4B	Mz	-.039	5.5
112	MP4C	Y	-89.214	1.5
113	MP4C	My	.022	1.5
114	MP4C	Mz	.039	1.5
115	MP4C	Y	-89.214	5.5
116	MP4C	My	.022	5.5
117	MP4C	Mz	.039	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	-94.227	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4.5
5	MP3A	Z	-94.227	4.5
6	MP3A	Mx	0	4.5
7	MP3B	X	0	2.5
8	MP3B	Z	-51.224	2.5
9	MP3B	Mx	.022	2.5
10	MP3B	X	0	4.5
11	MP3B	Z	-51.224	4.5
12	MP3B	Mx	.022	4.5
13	MP3C	X	0	2.5
14	MP3C	Z	-51.224	2.5
15	MP3C	Mx	-.022	2.5
16	MP3C	X	0	4.5
17	MP3C	Z	-51.224	4.5
18	MP3C	Mx	-.022	4.5
19	MP2A	X	0	2
20	MP2A	Z	-14.836	2
21	MP2A	Mx	0	2
22	MP2B	X	0	2
23	MP2B	Z	-11.407	2
24	MP2B	Mx	-.005	2
25	MP2C	X	0	2
26	MP2C	Z	-11.407	2
27	MP2C	Mx	.005	2
28	MP2A	X	0	3.5
29	MP2A	Z	-74.981	3.5
30	MP2A	Mx	0	3.5
31	MP2B	X	0	3.5
32	MP2B	Z	-56.336	3.5
33	MP2B	Mx	-.024	3.5
34	MP2C	X	0	3.5
35	MP2C	Z	-56.336	3.5
36	MP2C	Mx	.024	3.5
37	MP3A	X	0	3.5
38	MP3A	Z	-74.981	3.5
39	MP3A	Mx	0	3.5
40	MP3B	X	0	3.5
41	MP3B	Z	-49.194	3.5
42	MP3B	Mx	-.021	3.5
43	MP3C	X	0	3.5
44	MP3C	Z	-49.194	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3C	Mx	.021	3.5
46	MP2A	X	0	1.5
47	MP2A	Z	-182.64	1.5
48	MP2A	Mx	-.107	1.5
49	MP2A	X	0	5.5
50	MP2A	Z	-182.64	5.5
51	MP2A	Mx	-.107	5.5
52	MP2B	X	0	1.5
53	MP2B	Z	-135.627	1.5
54	MP2B	Mx	-.098	1.5
55	MP2B	X	0	5.5
56	MP2B	Z	-135.627	5.5
57	MP2B	Mx	-.098	5.5
58	MP2C	X	0	1.5
59	MP2C	Z	-135.627	1.5
60	MP2C	Mx	.098	1.5
61	MP2C	X	0	5.5
62	MP2C	Z	-135.627	5.5
63	MP2C	Mx	.098	5.5
64	MP2A	X	0	1.5
65	MP2A	Z	-182.64	1.5
66	MP2A	Mx	.107	1.5
67	MP2A	X	0	5.5
68	MP2A	Z	-182.64	5.5
69	MP2A	Mx	.107	5.5
70	MP2B	X	0	1.5
71	MP2B	Z	-135.627	1.5
72	MP2B	Mx	-.019	1.5
73	MP2B	X	0	5.5
74	MP2B	Z	-135.627	5.5
75	MP2B	Mx	-.019	5.5
76	MP2C	X	0	1.5
77	MP2C	Z	-135.627	1.5
78	MP2C	Mx	-.098	1.5
79	MP2C	X	0	5.5
80	MP2C	Z	-135.627	5.5
81	MP2C	Mx	-.098	5.5
82	MP1A	X	0	1.5
83	MP1A	Z	-192.464	1.5
84	MP1A	Mx	0	1.5
85	MP1A	X	0	5.5
86	MP1A	Z	-192.464	5.5
87	MP1A	Mx	0	5.5
88	MP1B	X	0	1.5
89	MP1B	Z	-177.048	1.5
90	MP1B	Mx	.077	1.5
91	MP1B	X	0	5.5
92	MP1B	Z	-177.048	5.5
93	MP1B	Mx	.077	5.5
94	MP1C	X	0	1.5
95	MP1C	Z	-177.048	1.5
96	MP1C	Mx	-.077	1.5
97	MP1C	X	0	5.5
98	MP1C	Z	-177.048	5.5
99	MP1C	Mx	-.077	5.5
100	MP4A	X	0	1.5
101	MP4A	Z	-192.464	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP4A	Mx	0	1.5
103	MP4A	X	0	5.5
104	MP4A	Z	-192.464	5.5
105	MP4A	Mx	0	5.5
106	MP4B	X	0	1.5
107	MP4B	Z	-177.048	1.5
108	MP4B	Mx	.077	1.5
109	MP4B	X	0	5.5
110	MP4B	Z	-177.048	5.5
111	MP4B	Mx	.077	5.5
112	MP4C	X	0	1.5
113	MP4C	Z	-177.048	1.5
114	MP4C	Mx	-.077	1.5
115	MP4C	X	0	5.5
116	MP4C	Z	-177.048	5.5
117	MP4C	Mx	-.077	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	39.946	2.5
2	MP3A	Z	-69.189	2.5
3	MP3A	Mx	-.02	2.5
4	MP3A	X	39.946	4.5
5	MP3A	Z	-69.189	4.5
6	MP3A	Mx	-.02	4.5
7	MP3B	X	18.445	2.5
8	MP3B	Z	-31.947	2.5
9	MP3B	Mx	.018	2.5
10	MP3B	X	18.445	4.5
11	MP3B	Z	-31.947	4.5
12	MP3B	Mx	.018	4.5
13	MP3C	X	39.946	2.5
14	MP3C	Z	-69.189	2.5
15	MP3C	Mx	-.02	2.5
16	MP3C	X	39.946	4.5
17	MP3C	Z	-69.189	4.5
18	MP3C	Mx	-.02	4.5
19	MP2A	X	6.846	2
20	MP2A	Z	-11.858	2
21	MP2A	Mx	.003	2
22	MP2B	X	5.132	2
23	MP2B	Z	-8.89	2
24	MP2B	Mx	-.005	2
25	MP2C	X	6.846	2
26	MP2C	Z	-11.858	2
27	MP2C	Mx	.003	2
28	MP2A	X	34.383	3.5
29	MP2A	Z	-59.553	3.5
30	MP2A	Mx	.017	3.5
31	MP2B	X	25.06	3.5
32	MP2B	Z	-43.406	3.5
33	MP2B	Mx	-.025	3.5
34	MP2C	X	34.383	3.5
35	MP2C	Z	-59.553	3.5
36	MP2C	Mx	.017	3.5
37	MP3A	X	33.192	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3A	Z	-57.491	3.5
39	MP3A	Mx	.017	3.5
40	MP3B	X	20.299	3.5
41	MP3B	Z	-35.159	3.5
42	MP3B	Mx	-.02	3.5
43	MP3C	X	33.192	3.5
44	MP3C	Z	-57.491	3.5
45	MP3C	Mx	.017	3.5
46	MP2A	X	83.484	1.5
47	MP2A	Z	-144.599	1.5
48	MP2A	Mx	-.126	1.5
49	MP2A	X	83.484	5.5
50	MP2A	Z	-144.599	5.5
51	MP2A	Mx	-.126	5.5
52	MP2B	X	59.978	1.5
53	MP2B	Z	-103.885	1.5
54	MP2B	Mx	-.06	1.5
55	MP2B	X	59.978	5.5
56	MP2B	Z	-103.885	5.5
57	MP2B	Mx	-.06	5.5
58	MP2C	X	59.978	1.5
59	MP2C	Z	-103.885	1.5
60	MP2C	Mx	.06	1.5
61	MP2C	X	59.978	5.5
62	MP2C	Z	-103.885	5.5
63	MP2C	Mx	.06	5.5
64	MP2A	X	83.484	1.5
65	MP2A	Z	-144.599	1.5
66	MP2A	Mx	.043	1.5
67	MP2A	X	83.484	5.5
68	MP2A	Z	-144.599	5.5
69	MP2A	Mx	.043	5.5
70	MP2B	X	59.978	1.5
71	MP2B	Z	-103.885	1.5
72	MP2B	Mx	-.06	1.5
73	MP2B	X	59.978	5.5
74	MP2B	Z	-103.885	5.5
75	MP2B	Mx	-.06	5.5
76	MP2C	X	83.484	1.5
77	MP2C	Z	-144.599	1.5
78	MP2C	Mx	-.126	1.5
79	MP2C	X	83.484	5.5
80	MP2C	Z	-144.599	5.5
81	MP2C	Mx	-.126	5.5
82	MP1A	X	93.663	1.5
83	MP1A	Z	-162.228	1.5
84	MP1A	Mx	-.047	1.5
85	MP1A	X	93.663	5.5
86	MP1A	Z	-162.228	5.5
87	MP1A	Mx	-.047	5.5
88	MP1B	X	85.955	1.5
89	MP1B	Z	-148.878	1.5
90	MP1B	Mx	.086	1.5
91	MP1B	X	85.955	5.5
92	MP1B	Z	-148.878	5.5
93	MP1B	Mx	.086	5.5
94	MP1C	X	93.663	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP1C	Z	-162.228	1.5
96	MP1C	Mx	-.047	1.5
97	MP1C	X	93.663	5.5
98	MP1C	Z	-162.228	5.5
99	MP1C	Mx	-.047	5.5
100	MP4A	X	93.663	1.5
101	MP4A	Z	-162.228	1.5
102	MP4A	Mx	-.047	1.5
103	MP4A	X	93.663	5.5
104	MP4A	Z	-162.228	5.5
105	MP4A	Mx	-.047	5.5
106	MP4B	X	85.955	1.5
107	MP4B	Z	-148.878	1.5
108	MP4B	Mx	.086	1.5
109	MP4B	X	85.955	5.5
110	MP4B	Z	-148.878	5.5
111	MP4B	Mx	.086	5.5
112	MP4C	X	93.663	1.5
113	MP4C	Z	-162.228	1.5
114	MP4C	Mx	-.047	1.5
115	MP4C	X	93.663	5.5
116	MP4C	Z	-162.228	5.5
117	MP4C	Mx	-.047	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	44.361	2.5
2	MP3A	Z	-25.612	2.5
3	MP3A	Mx	-.022	2.5
4	MP3A	X	44.361	4.5
5	MP3A	Z	-25.612	4.5
6	MP3A	Mx	-.022	4.5
7	MP3B	X	44.361	2.5
8	MP3B	Z	-25.612	2.5
9	MP3B	Mx	.022	2.5
10	MP3B	X	44.361	4.5
11	MP3B	Z	-25.612	4.5
12	MP3B	Mx	.022	4.5
13	MP3C	X	81.603	2.5
14	MP3C	Z	-47.114	2.5
15	MP3C	Mx	0	2.5
16	MP3C	X	81.603	4.5
17	MP3C	Z	-47.114	4.5
18	MP3C	Mx	0	4.5
19	MP2A	X	9.879	2
20	MP2A	Z	-5.704	2
21	MP2A	Mx	.005	2
22	MP2B	X	9.879	2
23	MP2B	Z	-5.704	2
24	MP2B	Mx	-.005	2
25	MP2C	X	12.848	2
26	MP2C	Z	-7.418	2
27	MP2C	Mx	0	2
28	MP2A	X	48.788	3.5
29	MP2A	Z	-28.168	3.5
30	MP2A	Mx	.024	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2B	X	48.788	3.5
32	MP2B	Z	-28.168	3.5
33	MP2B	Mx	-.024	3.5
34	MP2C	X	64.935	3.5
35	MP2C	Z	-37.49	3.5
36	MP2C	Mx	0	3.5
37	MP3A	X	42.603	3.5
38	MP3A	Z	-24.597	3.5
39	MP3A	Mx	.021	3.5
40	MP3B	X	42.603	3.5
41	MP3B	Z	-24.597	3.5
42	MP3B	Mx	-.021	3.5
43	MP3C	X	64.935	3.5
44	MP3C	Z	-37.49	3.5
45	MP3C	Mx	0	3.5
46	MP2A	X	117.456	1.5
47	MP2A	Z	-67.813	1.5
48	MP2A	Mx	-.098	1.5
49	MP2A	X	117.456	5.5
50	MP2A	Z	-67.813	5.5
51	MP2A	Mx	-.098	5.5
52	MP2B	X	117.456	1.5
53	MP2B	Z	-67.813	1.5
54	MP2B	Mx	-.019	1.5
55	MP2B	X	117.456	5.5
56	MP2B	Z	-67.813	5.5
57	MP2B	Mx	-.019	5.5
58	MP2C	X	117.456	1.5
59	MP2C	Z	-67.813	1.5
60	MP2C	Mx	.019	1.5
61	MP2C	X	117.456	5.5
62	MP2C	Z	-67.813	5.5
63	MP2C	Mx	.019	5.5
64	MP2A	X	117.456	1.5
65	MP2A	Z	-67.813	1.5
66	MP2A	Mx	-.019	1.5
67	MP2A	X	117.456	5.5
68	MP2A	Z	-67.813	5.5
69	MP2A	Mx	-.019	5.5
70	MP2B	X	117.456	1.5
71	MP2B	Z	-67.813	1.5
72	MP2B	Mx	-.098	1.5
73	MP2B	X	117.456	5.5
74	MP2B	Z	-67.813	5.5
75	MP2B	Mx	-.098	5.5
76	MP2C	X	158.171	1.5
77	MP2C	Z	-91.32	1.5
78	MP2C	Mx	-.107	1.5
79	MP2C	X	158.171	5.5
80	MP2C	Z	-91.32	5.5
81	MP2C	Mx	-.107	5.5
82	MP1A	X	153.328	1.5
83	MP1A	Z	-88.524	1.5
84	MP1A	Mx	-.077	1.5
85	MP1A	X	153.328	5.5
86	MP1A	Z	-88.524	5.5
87	MP1A	Mx	-.077	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP1B	X	153.328	1.5
89	MP1B	Z	-88.524	1.5
90	MP1B	Mx	.077	1.5
91	MP1B	X	153.328	5.5
92	MP1B	Z	-88.524	5.5
93	MP1B	Mx	.077	5.5
94	MP1C	X	166.678	1.5
95	MP1C	Z	-96.232	1.5
96	MP1C	Mx	0	1.5
97	MP1C	X	166.678	5.5
98	MP1C	Z	-96.232	5.5
99	MP1C	Mx	0	5.5
100	MP4A	X	153.328	1.5
101	MP4A	Z	-88.524	1.5
102	MP4A	Mx	-.077	1.5
103	MP4A	X	153.328	5.5
104	MP4A	Z	-88.524	5.5
105	MP4A	Mx	-.077	5.5
106	MP4B	X	153.328	1.5
107	MP4B	Z	-88.524	1.5
108	MP4B	Mx	.077	1.5
109	MP4B	X	153.328	5.5
110	MP4B	Z	-88.524	5.5
111	MP4B	Mx	.077	5.5
112	MP4C	X	166.678	1.5
113	MP4C	Z	-96.232	1.5
114	MP4C	Mx	0	1.5
115	MP4C	X	166.678	5.5
116	MP4C	Z	-96.232	5.5
117	MP4C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	36.89	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	-.018	2.5
4	MP3A	X	36.89	4.5
5	MP3A	Z	0	4.5
6	MP3A	Mx	-.018	4.5
7	MP3B	X	79.893	2.5
8	MP3B	Z	0	2.5
9	MP3B	Mx	.02	2.5
10	MP3B	X	79.893	4.5
11	MP3B	Z	0	4.5
12	MP3B	Mx	.02	4.5
13	MP3C	X	79.893	2.5
14	MP3C	Z	0	2.5
15	MP3C	Mx	.02	2.5
16	MP3C	X	79.893	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	.02	4.5
19	MP2A	X	10.265	2
20	MP2A	Z	0	2
21	MP2A	Mx	.005	2
22	MP2B	X	13.693	2
23	MP2B	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2B	Mx	-.003	2
25	MP2C	X	13.693	2
26	MP2C	Z	0	2
27	MP2C	Mx	-.003	2
28	MP2A	X	50.121	3.5
29	MP2A	Z	0	3.5
30	MP2A	Mx	.025	3.5
31	MP2B	X	68.766	3.5
32	MP2B	Z	0	3.5
33	MP2B	Mx	-.017	3.5
34	MP2C	X	68.766	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	-.017	3.5
37	MP3A	X	40.598	3.5
38	MP3A	Z	0	3.5
39	MP3A	Mx	.02	3.5
40	MP3B	X	66.385	3.5
41	MP3B	Z	0	3.5
42	MP3B	Mx	-.017	3.5
43	MP3C	X	66.385	3.5
44	MP3C	Z	0	3.5
45	MP3C	Mx	-.017	3.5
46	MP2A	X	119.956	1.5
47	MP2A	Z	0	1.5
48	MP2A	Mx	-.06	1.5
49	MP2A	X	119.956	5.5
50	MP2A	Z	0	5.5
51	MP2A	Mx	-.06	5.5
52	MP2B	X	166.969	1.5
53	MP2B	Z	0	1.5
54	MP2B	Mx	.043	1.5
55	MP2B	X	166.969	5.5
56	MP2B	Z	0	5.5
57	MP2B	Mx	.043	5.5
58	MP2C	X	166.969	1.5
59	MP2C	Z	0	1.5
60	MP2C	Mx	-.043	1.5
61	MP2C	X	166.969	5.5
62	MP2C	Z	0	5.5
63	MP2C	Mx	-.043	5.5
64	MP2A	X	119.956	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	-.06	1.5
67	MP2A	X	119.956	5.5
68	MP2A	Z	0	5.5
69	MP2A	Mx	-.06	5.5
70	MP2B	X	166.969	1.5
71	MP2B	Z	0	1.5
72	MP2B	Mx	-.126	1.5
73	MP2B	X	166.969	5.5
74	MP2B	Z	0	5.5
75	MP2B	Mx	-.126	5.5
76	MP2C	X	166.969	1.5
77	MP2C	Z	0	1.5
78	MP2C	Mx	-.043	1.5
79	MP2C	X	166.969	5.5
80	MP2C	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2C	Mx	-.043	5.5
82	MP1A	X	171.909	1.5
83	MP1A	Z	0	1.5
84	MP1A	Mx	-.086	1.5
85	MP1A	X	171.909	5.5
86	MP1A	Z	0	5.5
87	MP1A	Mx	-.086	5.5
88	MP1B	X	187.325	1.5
89	MP1B	Z	0	1.5
90	MP1B	Mx	.047	1.5
91	MP1B	X	187.325	5.5
92	MP1B	Z	0	5.5
93	MP1B	Mx	.047	5.5
94	MP1C	X	187.325	1.5
95	MP1C	Z	0	1.5
96	MP1C	Mx	.047	1.5
97	MP1C	X	187.325	5.5
98	MP1C	Z	0	5.5
99	MP1C	Mx	.047	5.5
100	MP4A	X	171.909	1.5
101	MP4A	Z	0	1.5
102	MP4A	Mx	-.086	1.5
103	MP4A	X	171.909	5.5
104	MP4A	Z	0	5.5
105	MP4A	Mx	-.086	5.5
106	MP4B	X	187.325	1.5
107	MP4B	Z	0	1.5
108	MP4B	Mx	.047	1.5
109	MP4B	X	187.325	5.5
110	MP4B	Z	0	5.5
111	MP4B	Mx	.047	5.5
112	MP4C	X	187.325	1.5
113	MP4C	Z	0	1.5
114	MP4C	Mx	.047	1.5
115	MP4C	X	187.325	5.5
116	MP4C	Z	0	5.5
117	MP4C	Mx	.047	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	44.361	2.5
2	MP3A	Z	25.612	2.5
3	MP3A	Mx	-.022	2.5
4	MP3A	X	44.361	4.5
5	MP3A	Z	25.612	4.5
6	MP3A	Mx	-.022	4.5
7	MP3B	X	81.603	2.5
8	MP3B	Z	47.114	2.5
9	MP3B	Mx	0	2.5
10	MP3B	X	81.603	4.5
11	MP3B	Z	47.114	4.5
12	MP3B	Mx	0	4.5
13	MP3C	X	44.361	2.5
14	MP3C	Z	25.612	2.5
15	MP3C	Mx	.022	2.5
16	MP3C	X	44.361	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	25.612	4.5
18	MP3C	Mx	.022	4.5
19	MP2A	X	9.879	2
20	MP2A	Z	5.704	2
21	MP2A	Mx	.005	2
22	MP2B	X	12.848	2
23	MP2B	Z	7.418	2
24	MP2B	Mx	0	2
25	MP2C	X	9.879	2
26	MP2C	Z	5.704	2
27	MP2C	Mx	-.005	2
28	MP2A	X	48.788	3.5
29	MP2A	Z	28.168	3.5
30	MP2A	Mx	.024	3.5
31	MP2B	X	64.935	3.5
32	MP2B	Z	37.49	3.5
33	MP2B	Mx	0	3.5
34	MP2C	X	48.788	3.5
35	MP2C	Z	28.168	3.5
36	MP2C	Mx	-.024	3.5
37	MP3A	X	42.603	3.5
38	MP3A	Z	24.597	3.5
39	MP3A	Mx	.021	3.5
40	MP3B	X	64.935	3.5
41	MP3B	Z	37.49	3.5
42	MP3B	Mx	0	3.5
43	MP3C	X	42.603	3.5
44	MP3C	Z	24.597	3.5
45	MP3C	Mx	-.021	3.5
46	MP2A	X	117.456	1.5
47	MP2A	Z	67.813	1.5
48	MP2A	Mx	-.019	1.5
49	MP2A	X	117.456	5.5
50	MP2A	Z	67.813	5.5
51	MP2A	Mx	-.019	5.5
52	MP2B	X	158.171	1.5
53	MP2B	Z	91.32	1.5
54	MP2B	Mx	.107	1.5
55	MP2B	X	158.171	5.5
56	MP2B	Z	91.32	5.5
57	MP2B	Mx	.107	5.5
58	MP2C	X	158.171	1.5
59	MP2C	Z	91.32	1.5
60	MP2C	Mx	-.107	1.5
61	MP2C	X	158.171	5.5
62	MP2C	Z	91.32	5.5
63	MP2C	Mx	-.107	5.5
64	MP2A	X	117.456	1.5
65	MP2A	Z	67.813	1.5
66	MP2A	Mx	-.098	1.5
67	MP2A	X	117.456	5.5
68	MP2A	Z	67.813	5.5
69	MP2A	Mx	-.098	5.5
70	MP2B	X	158.171	1.5
71	MP2B	Z	91.32	1.5
72	MP2B	Mx	-.107	1.5
73	MP2B	X	158.171	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2B	Z	91.32	5.5
75	MP2B	Mx	-.107	5.5
76	MP2C	X	117.456	1.5
77	MP2C	Z	67.813	1.5
78	MP2C	Mx	.019	1.5
79	MP2C	X	117.456	5.5
80	MP2C	Z	67.813	5.5
81	MP2C	Mx	.019	5.5
82	MP1A	X	153.328	1.5
83	MP1A	Z	88.524	1.5
84	MP1A	Mx	-.077	1.5
85	MP1A	X	153.328	5.5
86	MP1A	Z	88.524	5.5
87	MP1A	Mx	-.077	5.5
88	MP1B	X	166.678	1.5
89	MP1B	Z	96.232	1.5
90	MP1B	Mx	0	1.5
91	MP1B	X	166.678	5.5
92	MP1B	Z	96.232	5.5
93	MP1B	Mx	0	5.5
94	MP1C	X	153.328	1.5
95	MP1C	Z	88.524	1.5
96	MP1C	Mx	.077	1.5
97	MP1C	X	153.328	5.5
98	MP1C	Z	88.524	5.5
99	MP1C	Mx	.077	5.5
100	MP4A	X	153.328	1.5
101	MP4A	Z	88.524	1.5
102	MP4A	Mx	-.077	1.5
103	MP4A	X	153.328	5.5
104	MP4A	Z	88.524	5.5
105	MP4A	Mx	-.077	5.5
106	MP4B	X	166.678	1.5
107	MP4B	Z	96.232	1.5
108	MP4B	Mx	0	1.5
109	MP4B	X	166.678	5.5
110	MP4B	Z	96.232	5.5
111	MP4B	Mx	0	5.5
112	MP4C	X	153.328	1.5
113	MP4C	Z	88.524	1.5
114	MP4C	Mx	.077	1.5
115	MP4C	X	153.328	5.5
116	MP4C	Z	88.524	5.5
117	MP4C	Mx	.077	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	39.946	2.5
2	MP3A	Z	69.189	2.5
3	MP3A	Mx	-.02	2.5
4	MP3A	X	39.946	4.5
5	MP3A	Z	69.189	4.5
6	MP3A	Mx	-.02	4.5
7	MP3B	X	39.946	2.5
8	MP3B	Z	69.189	2.5
9	MP3B	Mx	-.02	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP3B	X	39.946	4.5
11	MP3B	Z	69.189	4.5
12	MP3B	Mx	-.02	4.5
13	MP3C	X	18.445	2.5
14	MP3C	Z	31.947	2.5
15	MP3C	Mx	.018	2.5
16	MP3C	X	18.445	4.5
17	MP3C	Z	31.947	4.5
18	MP3C	Mx	.018	4.5
19	MP2A	X	6.846	2
20	MP2A	Z	11.858	2
21	MP2A	Mx	.003	2
22	MP2B	X	6.846	2
23	MP2B	Z	11.858	2
24	MP2B	Mx	.003	2
25	MP2C	X	5.132	2
26	MP2C	Z	8.89	2
27	MP2C	Mx	-.005	2
28	MP2A	X	34.383	3.5
29	MP2A	Z	59.553	3.5
30	MP2A	Mx	.017	3.5
31	MP2B	X	34.383	3.5
32	MP2B	Z	59.553	3.5
33	MP2B	Mx	.017	3.5
34	MP2C	X	25.06	3.5
35	MP2C	Z	43.406	3.5
36	MP2C	Mx	-.025	3.5
37	MP3A	X	33.192	3.5
38	MP3A	Z	57.491	3.5
39	MP3A	Mx	.017	3.5
40	MP3B	X	33.192	3.5
41	MP3B	Z	57.491	3.5
42	MP3B	Mx	.017	3.5
43	MP3C	X	20.299	3.5
44	MP3C	Z	35.159	3.5
45	MP3C	Mx	-.02	3.5
46	MP2A	X	83.484	1.5
47	MP2A	Z	144.599	1.5
48	MP2A	Mx	.043	1.5
49	MP2A	X	83.484	5.5
50	MP2A	Z	144.599	5.5
51	MP2A	Mx	.043	5.5
52	MP2B	X	83.484	1.5
53	MP2B	Z	144.599	1.5
54	MP2B	Mx	.126	1.5
55	MP2B	X	83.484	5.5
56	MP2B	Z	144.599	5.5
57	MP2B	Mx	.126	5.5
58	MP2C	X	83.484	1.5
59	MP2C	Z	144.599	1.5
60	MP2C	Mx	-.126	1.5
61	MP2C	X	83.484	5.5
62	MP2C	Z	144.599	5.5
63	MP2C	Mx	-.126	5.5
64	MP2A	X	83.484	1.5
65	MP2A	Z	144.599	1.5
66	MP2A	Mx	-.126	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP2A	X	83.484	5.5
68	MP2A	Z	144.599	5.5
69	MP2A	Mx	-.126	5.5
70	MP2B	X	83.484	1.5
71	MP2B	Z	144.599	1.5
72	MP2B	Mx	-.043	1.5
73	MP2B	X	83.484	5.5
74	MP2B	Z	144.599	5.5
75	MP2B	Mx	-.043	5.5
76	MP2C	X	59.978	1.5
77	MP2C	Z	103.885	1.5
78	MP2C	Mx	.06	1.5
79	MP2C	X	59.978	5.5
80	MP2C	Z	103.885	5.5
81	MP2C	Mx	.06	5.5
82	MP1A	X	93.663	1.5
83	MP1A	Z	162.228	1.5
84	MP1A	Mx	-.047	1.5
85	MP1A	X	93.663	5.5
86	MP1A	Z	162.228	5.5
87	MP1A	Mx	-.047	5.5
88	MP1B	X	93.663	1.5
89	MP1B	Z	162.228	1.5
90	MP1B	Mx	-.047	1.5
91	MP1B	X	93.663	5.5
92	MP1B	Z	162.228	5.5
93	MP1B	Mx	-.047	5.5
94	MP1C	X	85.955	1.5
95	MP1C	Z	148.878	1.5
96	MP1C	Mx	.086	1.5
97	MP1C	X	85.955	5.5
98	MP1C	Z	148.878	5.5
99	MP1C	Mx	.086	5.5
100	MP4A	X	93.663	1.5
101	MP4A	Z	162.228	1.5
102	MP4A	Mx	-.047	1.5
103	MP4A	X	93.663	5.5
104	MP4A	Z	162.228	5.5
105	MP4A	Mx	-.047	5.5
106	MP4B	X	93.663	1.5
107	MP4B	Z	162.228	1.5
108	MP4B	Mx	-.047	1.5
109	MP4B	X	93.663	5.5
110	MP4B	Z	162.228	5.5
111	MP4B	Mx	-.047	5.5
112	MP4C	X	85.955	1.5
113	MP4C	Z	148.878	1.5
114	MP4C	Mx	.086	1.5
115	MP4C	X	85.955	5.5
116	MP4C	Z	148.878	5.5
117	MP4C	Mx	.086	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	94.227	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4.5
5	MP3A	Z	94.227	4.5
6	MP3A	Mx	0	4.5
7	MP3B	X	0	2.5
8	MP3B	Z	51.224	2.5
9	MP3B	Mx	-.022	2.5
10	MP3B	X	0	4.5
11	MP3B	Z	51.224	4.5
12	MP3B	Mx	-.022	4.5
13	MP3C	X	0	2.5
14	MP3C	Z	51.224	2.5
15	MP3C	Mx	.022	2.5
16	MP3C	X	0	4.5
17	MP3C	Z	51.224	4.5
18	MP3C	Mx	.022	4.5
19	MP2A	X	0	2
20	MP2A	Z	14.836	2
21	MP2A	Mx	0	2
22	MP2B	X	0	2
23	MP2B	Z	11.407	2
24	MP2B	Mx	.005	2
25	MP2C	X	0	2
26	MP2C	Z	11.407	2
27	MP2C	Mx	-.005	2
28	MP2A	X	0	3.5
29	MP2A	Z	74.981	3.5
30	MP2A	Mx	0	3.5
31	MP2B	X	0	3.5
32	MP2B	Z	56.336	3.5
33	MP2B	Mx	.024	3.5
34	MP2C	X	0	3.5
35	MP2C	Z	56.336	3.5
36	MP2C	Mx	-.024	3.5
37	MP3A	X	0	3.5
38	MP3A	Z	74.981	3.5
39	MP3A	Mx	0	3.5
40	MP3B	X	0	3.5
41	MP3B	Z	49.194	3.5
42	MP3B	Mx	.021	3.5
43	MP3C	X	0	3.5
44	MP3C	Z	49.194	3.5
45	MP3C	Mx	-.021	3.5
46	MP2A	X	0	1.5
47	MP2A	Z	182.64	1.5
48	MP2A	Mx	.107	1.5
49	MP2A	X	0	5.5
50	MP2A	Z	182.64	5.5
51	MP2A	Mx	.107	5.5
52	MP2B	X	0	1.5
53	MP2B	Z	135.627	1.5
54	MP2B	Mx	.098	1.5
55	MP2B	X	0	5.5
56	MP2B	Z	135.627	5.5
57	MP2B	Mx	.098	5.5
58	MP2C	X	0	1.5
59	MP2C	Z	135.627	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2C	Mx	-.098	1.5
61	MP2C	X	0	5.5
62	MP2C	Z	135.627	5.5
63	MP2C	Mx	-.098	5.5
64	MP2A	X	0	1.5
65	MP2A	Z	182.64	1.5
66	MP2A	Mx	-.107	1.5
67	MP2A	X	0	5.5
68	MP2A	Z	182.64	5.5
69	MP2A	Mx	-.107	5.5
70	MP2B	X	0	1.5
71	MP2B	Z	135.627	1.5
72	MP2B	Mx	.019	1.5
73	MP2B	X	0	5.5
74	MP2B	Z	135.627	5.5
75	MP2B	Mx	.019	5.5
76	MP2C	X	0	1.5
77	MP2C	Z	135.627	1.5
78	MP2C	Mx	.098	1.5
79	MP2C	X	0	5.5
80	MP2C	Z	135.627	5.5
81	MP2C	Mx	.098	5.5
82	MP1A	X	0	1.5
83	MP1A	Z	192.464	1.5
84	MP1A	Mx	0	1.5
85	MP1A	X	0	5.5
86	MP1A	Z	192.464	5.5
87	MP1A	Mx	0	5.5
88	MP1B	X	0	1.5
89	MP1B	Z	177.048	1.5
90	MP1B	Mx	-.077	1.5
91	MP1B	X	0	5.5
92	MP1B	Z	177.048	5.5
93	MP1B	Mx	-.077	5.5
94	MP1C	X	0	1.5
95	MP1C	Z	177.048	1.5
96	MP1C	Mx	.077	1.5
97	MP1C	X	0	5.5
98	MP1C	Z	177.048	5.5
99	MP1C	Mx	.077	5.5
100	MP4A	X	0	1.5
101	MP4A	Z	192.464	1.5
102	MP4A	Mx	0	1.5
103	MP4A	X	0	5.5
104	MP4A	Z	192.464	5.5
105	MP4A	Mx	0	5.5
106	MP4B	X	0	1.5
107	MP4B	Z	177.048	1.5
108	MP4B	Mx	-.077	1.5
109	MP4B	X	0	5.5
110	MP4B	Z	177.048	5.5
111	MP4B	Mx	-.077	5.5
112	MP4C	X	0	1.5
113	MP4C	Z	177.048	1.5
114	MP4C	Mx	.077	1.5
115	MP4C	X	0	5.5
116	MP4C	Z	177.048	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP4C	Mx	.077	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-39.946	2.5
2	MP3A	Z	69.189	2.5
3	MP3A	Mx	.02	2.5
4	MP3A	X	-39.946	4.5
5	MP3A	Z	69.189	4.5
6	MP3A	Mx	.02	4.5
7	MP3B	X	-18.445	2.5
8	MP3B	Z	31.947	2.5
9	MP3B	Mx	-.018	2.5
10	MP3B	X	-18.445	4.5
11	MP3B	Z	31.947	4.5
12	MP3B	Mx	-.018	4.5
13	MP3C	X	-39.946	2.5
14	MP3C	Z	69.189	2.5
15	MP3C	Mx	.02	2.5
16	MP3C	X	-39.946	4.5
17	MP3C	Z	69.189	4.5
18	MP3C	Mx	.02	4.5
19	MP2A	X	-6.846	2
20	MP2A	Z	11.858	2
21	MP2A	Mx	-.003	2
22	MP2B	X	-5.132	2
23	MP2B	Z	8.89	2
24	MP2B	Mx	.005	2
25	MP2C	X	-6.846	2
26	MP2C	Z	11.858	2
27	MP2C	Mx	-.003	2
28	MP2A	X	-34.383	3.5
29	MP2A	Z	59.553	3.5
30	MP2A	Mx	-.017	3.5
31	MP2B	X	-25.06	3.5
32	MP2B	Z	43.406	3.5
33	MP2B	Mx	.025	3.5
34	MP2C	X	-34.383	3.5
35	MP2C	Z	59.553	3.5
36	MP2C	Mx	-.017	3.5
37	MP3A	X	-33.192	3.5
38	MP3A	Z	57.491	3.5
39	MP3A	Mx	-.017	3.5
40	MP3B	X	-20.299	3.5
41	MP3B	Z	35.159	3.5
42	MP3B	Mx	.02	3.5
43	MP3C	X	-33.192	3.5
44	MP3C	Z	57.491	3.5
45	MP3C	Mx	-.017	3.5
46	MP2A	X	-83.484	1.5
47	MP2A	Z	144.599	1.5
48	MP2A	Mx	.126	1.5
49	MP2A	X	-83.484	5.5
50	MP2A	Z	144.599	5.5
51	MP2A	Mx	.126	5.5
52	MP2B	X	-59.978	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	103.885	1.5
54	MP2B	Mx	.06	1.5
55	MP2B	X	-59.978	5.5
56	MP2B	Z	103.885	5.5
57	MP2B	Mx	.06	5.5
58	MP2C	X	-59.978	1.5
59	MP2C	Z	103.885	1.5
60	MP2C	Mx	-.06	1.5
61	MP2C	X	-59.978	5.5
62	MP2C	Z	103.885	5.5
63	MP2C	Mx	-.06	5.5
64	MP2A	X	-83.484	1.5
65	MP2A	Z	144.599	1.5
66	MP2A	Mx	-.043	1.5
67	MP2A	X	-83.484	5.5
68	MP2A	Z	144.599	5.5
69	MP2A	Mx	-.043	5.5
70	MP2B	X	-59.978	1.5
71	MP2B	Z	103.885	1.5
72	MP2B	Mx	.06	1.5
73	MP2B	X	-59.978	5.5
74	MP2B	Z	103.885	5.5
75	MP2B	Mx	.06	5.5
76	MP2C	X	-83.484	1.5
77	MP2C	Z	144.599	1.5
78	MP2C	Mx	.126	1.5
79	MP2C	X	-83.484	5.5
80	MP2C	Z	144.599	5.5
81	MP2C	Mx	.126	5.5
82	MP1A	X	-93.663	1.5
83	MP1A	Z	162.228	1.5
84	MP1A	Mx	.047	1.5
85	MP1A	X	-93.663	5.5
86	MP1A	Z	162.228	5.5
87	MP1A	Mx	.047	5.5
88	MP1B	X	-85.955	1.5
89	MP1B	Z	148.878	1.5
90	MP1B	Mx	-.086	1.5
91	MP1B	X	-85.955	5.5
92	MP1B	Z	148.878	5.5
93	MP1B	Mx	-.086	5.5
94	MP1C	X	-93.663	1.5
95	MP1C	Z	162.228	1.5
96	MP1C	Mx	.047	1.5
97	MP1C	X	-93.663	5.5
98	MP1C	Z	162.228	5.5
99	MP1C	Mx	.047	5.5
100	MP4A	X	-93.663	1.5
101	MP4A	Z	162.228	1.5
102	MP4A	Mx	.047	1.5
103	MP4A	X	-93.663	5.5
104	MP4A	Z	162.228	5.5
105	MP4A	Mx	.047	5.5
106	MP4B	X	-85.955	1.5
107	MP4B	Z	148.878	1.5
108	MP4B	Mx	-.086	1.5
109	MP4B	X	-85.955	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP4B	Z	148.878	5.5
111	MP4B	Mx	-.086	5.5
112	MP4C	X	-93.663	1.5
113	MP4C	Z	162.228	1.5
114	MP4C	Mx	.047	1.5
115	MP4C	X	-93.663	5.5
116	MP4C	Z	162.228	5.5
117	MP4C	Mx	.047	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-44.361	2.5
2	MP3A	Z	25.612	2.5
3	MP3A	Mx	.022	2.5
4	MP3A	X	-44.361	4.5
5	MP3A	Z	25.612	4.5
6	MP3A	Mx	.022	4.5
7	MP3B	X	-44.361	2.5
8	MP3B	Z	25.612	2.5
9	MP3B	Mx	-.022	2.5
10	MP3B	X	-44.361	4.5
11	MP3B	Z	25.612	4.5
12	MP3B	Mx	-.022	4.5
13	MP3C	X	-81.603	2.5
14	MP3C	Z	47.114	2.5
15	MP3C	Mx	0	2.5
16	MP3C	X	-81.603	4.5
17	MP3C	Z	47.114	4.5
18	MP3C	Mx	0	4.5
19	MP2A	X	-9.879	2
20	MP2A	Z	5.704	2
21	MP2A	Mx	-.005	2
22	MP2B	X	-9.879	2
23	MP2B	Z	5.704	2
24	MP2B	Mx	.005	2
25	MP2C	X	-12.848	2
26	MP2C	Z	7.418	2
27	MP2C	Mx	0	2
28	MP2A	X	-48.788	3.5
29	MP2A	Z	28.168	3.5
30	MP2A	Mx	-.024	3.5
31	MP2B	X	-48.788	3.5
32	MP2B	Z	28.168	3.5
33	MP2B	Mx	.024	3.5
34	MP2C	X	-64.935	3.5
35	MP2C	Z	37.49	3.5
36	MP2C	Mx	0	3.5
37	MP3A	X	-42.603	3.5
38	MP3A	Z	24.597	3.5
39	MP3A	Mx	-.021	3.5
40	MP3B	X	-42.603	3.5
41	MP3B	Z	24.597	3.5
42	MP3B	Mx	.021	3.5
43	MP3C	X	-64.935	3.5
44	MP3C	Z	37.49	3.5
45	MP3C	Mx	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2A	X	-117.456	1.5
47	MP2A	Z	67.813	1.5
48	MP2A	Mx	.098	1.5
49	MP2A	X	-117.456	5.5
50	MP2A	Z	67.813	5.5
51	MP2A	Mx	.098	5.5
52	MP2B	X	-117.456	1.5
53	MP2B	Z	67.813	1.5
54	MP2B	Mx	.019	1.5
55	MP2B	X	-117.456	5.5
56	MP2B	Z	67.813	5.5
57	MP2B	Mx	.019	5.5
58	MP2C	X	-117.456	1.5
59	MP2C	Z	67.813	1.5
60	MP2C	Mx	-.019	1.5
61	MP2C	X	-117.456	5.5
62	MP2C	Z	67.813	5.5
63	MP2C	Mx	-.019	5.5
64	MP2A	X	-117.456	1.5
65	MP2A	Z	67.813	1.5
66	MP2A	Mx	.019	1.5
67	MP2A	X	-117.456	5.5
68	MP2A	Z	67.813	5.5
69	MP2A	Mx	.019	5.5
70	MP2B	X	-117.456	1.5
71	MP2B	Z	67.813	1.5
72	MP2B	Mx	.098	1.5
73	MP2B	X	-117.456	5.5
74	MP2B	Z	67.813	5.5
75	MP2B	Mx	.098	5.5
76	MP2C	X	-158.171	1.5
77	MP2C	Z	91.32	1.5
78	MP2C	Mx	.107	1.5
79	MP2C	X	-158.171	5.5
80	MP2C	Z	91.32	5.5
81	MP2C	Mx	.107	5.5
82	MP1A	X	-153.328	1.5
83	MP1A	Z	88.524	1.5
84	MP1A	Mx	.077	1.5
85	MP1A	X	-153.328	5.5
86	MP1A	Z	88.524	5.5
87	MP1A	Mx	.077	5.5
88	MP1B	X	-153.328	1.5
89	MP1B	Z	88.524	1.5
90	MP1B	Mx	-.077	1.5
91	MP1B	X	-153.328	5.5
92	MP1B	Z	88.524	5.5
93	MP1B	Mx	-.077	5.5
94	MP1C	X	-166.678	1.5
95	MP1C	Z	96.232	1.5
96	MP1C	Mx	0	1.5
97	MP1C	X	-166.678	5.5
98	MP1C	Z	96.232	5.5
99	MP1C	Mx	0	5.5
100	MP4A	X	-153.328	1.5
101	MP4A	Z	88.524	1.5
102	MP4A	Mx	.077	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP4A	X	-153.328	5.5
104	MP4A	Z	88.524	5.5
105	MP4A	Mx	.077	5.5
106	MP4B	X	-153.328	1.5
107	MP4B	Z	88.524	1.5
108	MP4B	Mx	-.077	1.5
109	MP4B	X	-153.328	5.5
110	MP4B	Z	88.524	5.5
111	MP4B	Mx	-.077	5.5
112	MP4C	X	-166.678	1.5
113	MP4C	Z	96.232	1.5
114	MP4C	Mx	0	1.5
115	MP4C	X	-166.678	5.5
116	MP4C	Z	96.232	5.5
117	MP4C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-36.89	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	.018	2.5
4	MP3A	X	-36.89	4.5
5	MP3A	Z	0	4.5
6	MP3A	Mx	.018	4.5
7	MP3B	X	-79.893	2.5
8	MP3B	Z	0	2.5
9	MP3B	Mx	-.02	2.5
10	MP3B	X	-79.893	4.5
11	MP3B	Z	0	4.5
12	MP3B	Mx	-.02	4.5
13	MP3C	X	-79.893	2.5
14	MP3C	Z	0	2.5
15	MP3C	Mx	-.02	2.5
16	MP3C	X	-79.893	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	-.02	4.5
19	MP2A	X	-10.265	2
20	MP2A	Z	0	2
21	MP2A	Mx	-.005	2
22	MP2B	X	-13.693	2
23	MP2B	Z	0	2
24	MP2B	Mx	.003	2
25	MP2C	X	-13.693	2
26	MP2C	Z	0	2
27	MP2C	Mx	.003	2
28	MP2A	X	-50.121	3.5
29	MP2A	Z	0	3.5
30	MP2A	Mx	-.025	3.5
31	MP2B	X	-68.766	3.5
32	MP2B	Z	0	3.5
33	MP2B	Mx	.017	3.5
34	MP2C	X	-68.766	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	.017	3.5
37	MP3A	X	-40.598	3.5
38	MP3A	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3A	Mx	-.02	3.5
40	MP3B	X	-66.385	3.5
41	MP3B	Z	0	3.5
42	MP3B	Mx	.017	3.5
43	MP3C	X	-66.385	3.5
44	MP3C	Z	0	3.5
45	MP3C	Mx	.017	3.5
46	MP2A	X	-119.956	1.5
47	MP2A	Z	0	1.5
48	MP2A	Mx	.06	1.5
49	MP2A	X	-119.956	5.5
50	MP2A	Z	0	5.5
51	MP2A	Mx	.06	5.5
52	MP2B	X	-166.969	1.5
53	MP2B	Z	0	1.5
54	MP2B	Mx	-.043	1.5
55	MP2B	X	-166.969	5.5
56	MP2B	Z	0	5.5
57	MP2B	Mx	-.043	5.5
58	MP2C	X	-166.969	1.5
59	MP2C	Z	0	1.5
60	MP2C	Mx	.043	1.5
61	MP2C	X	-166.969	5.5
62	MP2C	Z	0	5.5
63	MP2C	Mx	.043	5.5
64	MP2A	X	-119.956	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	.06	1.5
67	MP2A	X	-119.956	5.5
68	MP2A	Z	0	5.5
69	MP2A	Mx	.06	5.5
70	MP2B	X	-166.969	1.5
71	MP2B	Z	0	1.5
72	MP2B	Mx	.126	1.5
73	MP2B	X	-166.969	5.5
74	MP2B	Z	0	5.5
75	MP2B	Mx	.126	5.5
76	MP2C	X	-166.969	1.5
77	MP2C	Z	0	1.5
78	MP2C	Mx	.043	1.5
79	MP2C	X	-166.969	5.5
80	MP2C	Z	0	5.5
81	MP2C	Mx	.043	5.5
82	MP1A	X	-171.909	1.5
83	MP1A	Z	0	1.5
84	MP1A	Mx	.086	1.5
85	MP1A	X	-171.909	5.5
86	MP1A	Z	0	5.5
87	MP1A	Mx	.086	5.5
88	MP1B	X	-187.325	1.5
89	MP1B	Z	0	1.5
90	MP1B	Mx	-.047	1.5
91	MP1B	X	-187.325	5.5
92	MP1B	Z	0	5.5
93	MP1B	Mx	-.047	5.5
94	MP1C	X	-187.325	1.5
95	MP1C	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP1C	Mx	-.047	1.5
97	MP1C	X	-187.325	5.5
98	MP1C	Z	0	5.5
99	MP1C	Mx	-.047	5.5
100	MP4A	X	-171.909	1.5
101	MP4A	Z	0	1.5
102	MP4A	Mx	.086	1.5
103	MP4A	X	-171.909	5.5
104	MP4A	Z	0	5.5
105	MP4A	Mx	.086	5.5
106	MP4B	X	-187.325	1.5
107	MP4B	Z	0	1.5
108	MP4B	Mx	-.047	1.5
109	MP4B	X	-187.325	5.5
110	MP4B	Z	0	5.5
111	MP4B	Mx	-.047	5.5
112	MP4C	X	-187.325	1.5
113	MP4C	Z	0	1.5
114	MP4C	Mx	-.047	1.5
115	MP4C	X	-187.325	5.5
116	MP4C	Z	0	5.5
117	MP4C	Mx	-.047	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-44.361	2.5
2	MP3A	Z	-25.612	2.5
3	MP3A	Mx	.022	2.5
4	MP3A	X	-44.361	4.5
5	MP3A	Z	-25.612	4.5
6	MP3A	Mx	.022	4.5
7	MP3B	X	-81.603	2.5
8	MP3B	Z	-47.114	2.5
9	MP3B	Mx	0	2.5
10	MP3B	X	-81.603	4.5
11	MP3B	Z	-47.114	4.5
12	MP3B	Mx	0	4.5
13	MP3C	X	-44.361	2.5
14	MP3C	Z	-25.612	2.5
15	MP3C	Mx	-.022	2.5
16	MP3C	X	-44.361	4.5
17	MP3C	Z	-25.612	4.5
18	MP3C	Mx	-.022	4.5
19	MP2A	X	-9.879	2
20	MP2A	Z	-5.704	2
21	MP2A	Mx	-.005	2
22	MP2B	X	-12.848	2
23	MP2B	Z	-7.418	2
24	MP2B	Mx	0	2
25	MP2C	X	-9.879	2
26	MP2C	Z	-5.704	2
27	MP2C	Mx	.005	2
28	MP2A	X	-48.788	3.5
29	MP2A	Z	-28.168	3.5
30	MP2A	Mx	-.024	3.5
31	MP2B	X	-64.935	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2B	Z	-37.49	3.5
33	MP2B	Mx	0	3.5
34	MP2C	X	-48.788	3.5
35	MP2C	Z	-28.168	3.5
36	MP2C	Mx	.024	3.5
37	MP3A	X	-42.603	3.5
38	MP3A	Z	-24.597	3.5
39	MP3A	Mx	-.021	3.5
40	MP3B	X	-64.935	3.5
41	MP3B	Z	-37.49	3.5
42	MP3B	Mx	0	3.5
43	MP3C	X	-42.603	3.5
44	MP3C	Z	-24.597	3.5
45	MP3C	Mx	.021	3.5
46	MP2A	X	-117.456	1.5
47	MP2A	Z	-67.813	1.5
48	MP2A	Mx	.019	1.5
49	MP2A	X	-117.456	5.5
50	MP2A	Z	-67.813	5.5
51	MP2A	Mx	.019	5.5
52	MP2B	X	-158.171	1.5
53	MP2B	Z	-91.32	1.5
54	MP2B	Mx	-.107	1.5
55	MP2B	X	-158.171	5.5
56	MP2B	Z	-91.32	5.5
57	MP2B	Mx	-.107	5.5
58	MP2C	X	-158.171	1.5
59	MP2C	Z	-91.32	1.5
60	MP2C	Mx	.107	1.5
61	MP2C	X	-158.171	5.5
62	MP2C	Z	-91.32	5.5
63	MP2C	Mx	.107	5.5
64	MP2A	X	-117.456	1.5
65	MP2A	Z	-67.813	1.5
66	MP2A	Mx	.098	1.5
67	MP2A	X	-117.456	5.5
68	MP2A	Z	-67.813	5.5
69	MP2A	Mx	.098	5.5
70	MP2B	X	-158.171	1.5
71	MP2B	Z	-91.32	1.5
72	MP2B	Mx	.107	1.5
73	MP2B	X	-158.171	5.5
74	MP2B	Z	-91.32	5.5
75	MP2B	Mx	.107	5.5
76	MP2C	X	-117.456	1.5
77	MP2C	Z	-67.813	1.5
78	MP2C	Mx	-.019	1.5
79	MP2C	X	-117.456	5.5
80	MP2C	Z	-67.813	5.5
81	MP2C	Mx	-.019	5.5
82	MP1A	X	-153.328	1.5
83	MP1A	Z	-88.524	1.5
84	MP1A	Mx	.077	1.5
85	MP1A	X	-153.328	5.5
86	MP1A	Z	-88.524	5.5
87	MP1A	Mx	.077	5.5
88	MP1B	X	-166.678	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1B	Z	-96.232	1.5
90	MP1B	Mx	0	1.5
91	MP1B	X	-166.678	5.5
92	MP1B	Z	-96.232	5.5
93	MP1B	Mx	0	5.5
94	MP1C	X	-153.328	1.5
95	MP1C	Z	-88.524	1.5
96	MP1C	Mx	-.077	1.5
97	MP1C	X	-153.328	5.5
98	MP1C	Z	-88.524	5.5
99	MP1C	Mx	-.077	5.5
100	MP4A	X	-153.328	1.5
101	MP4A	Z	-88.524	1.5
102	MP4A	Mx	.077	1.5
103	MP4A	X	-153.328	5.5
104	MP4A	Z	-88.524	5.5
105	MP4A	Mx	.077	5.5
106	MP4B	X	-166.678	1.5
107	MP4B	Z	-96.232	1.5
108	MP4B	Mx	0	1.5
109	MP4B	X	-166.678	5.5
110	MP4B	Z	-96.232	5.5
111	MP4B	Mx	0	5.5
112	MP4C	X	-153.328	1.5
113	MP4C	Z	-88.524	1.5
114	MP4C	Mx	-.077	1.5
115	MP4C	X	-153.328	5.5
116	MP4C	Z	-88.524	5.5
117	MP4C	Mx	-.077	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-39.946	2.5
2	MP3A	Z	-69.189	2.5
3	MP3A	Mx	.02	2.5
4	MP3A	X	-39.946	4.5
5	MP3A	Z	-69.189	4.5
6	MP3A	Mx	.02	4.5
7	MP3B	X	-39.946	2.5
8	MP3B	Z	-69.189	2.5
9	MP3B	Mx	.02	2.5
10	MP3B	X	-39.946	4.5
11	MP3B	Z	-69.189	4.5
12	MP3B	Mx	.02	4.5
13	MP3C	X	-18.445	2.5
14	MP3C	Z	-31.947	2.5
15	MP3C	Mx	-.018	2.5
16	MP3C	X	-18.445	4.5
17	MP3C	Z	-31.947	4.5
18	MP3C	Mx	-.018	4.5
19	MP2A	X	-6.846	2
20	MP2A	Z	-11.858	2
21	MP2A	Mx	-.003	2
22	MP2B	X	-6.846	2
23	MP2B	Z	-11.858	2
24	MP2B	Mx	-.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2C	X	-5.132	2
26	MP2C	Z	-8.89	2
27	MP2C	Mx	.005	2
28	MP2A	X	-34.383	3.5
29	MP2A	Z	-59.553	3.5
30	MP2A	Mx	-.017	3.5
31	MP2B	X	-34.383	3.5
32	MP2B	Z	-59.553	3.5
33	MP2B	Mx	-.017	3.5
34	MP2C	X	-25.06	3.5
35	MP2C	Z	-43.406	3.5
36	MP2C	Mx	.025	3.5
37	MP3A	X	-33.192	3.5
38	MP3A	Z	-57.491	3.5
39	MP3A	Mx	-.017	3.5
40	MP3B	X	-33.192	3.5
41	MP3B	Z	-57.491	3.5
42	MP3B	Mx	-.017	3.5
43	MP3C	X	-20.299	3.5
44	MP3C	Z	-35.159	3.5
45	MP3C	Mx	.02	3.5
46	MP2A	X	-83.484	1.5
47	MP2A	Z	-144.599	1.5
48	MP2A	Mx	-.043	1.5
49	MP2A	X	-83.484	5.5
50	MP2A	Z	-144.599	5.5
51	MP2A	Mx	-.043	5.5
52	MP2B	X	-83.484	1.5
53	MP2B	Z	-144.599	1.5
54	MP2B	Mx	-.126	1.5
55	MP2B	X	-83.484	5.5
56	MP2B	Z	-144.599	5.5
57	MP2B	Mx	-.126	5.5
58	MP2C	X	-83.484	1.5
59	MP2C	Z	-144.599	1.5
60	MP2C	Mx	.126	1.5
61	MP2C	X	-83.484	5.5
62	MP2C	Z	-144.599	5.5
63	MP2C	Mx	.126	5.5
64	MP2A	X	-83.484	1.5
65	MP2A	Z	-144.599	1.5
66	MP2A	Mx	.126	1.5
67	MP2A	X	-83.484	5.5
68	MP2A	Z	-144.599	5.5
69	MP2A	Mx	.126	5.5
70	MP2B	X	-83.484	1.5
71	MP2B	Z	-144.599	1.5
72	MP2B	Mx	.043	1.5
73	MP2B	X	-83.484	5.5
74	MP2B	Z	-144.599	5.5
75	MP2B	Mx	.043	5.5
76	MP2C	X	-59.978	1.5
77	MP2C	Z	-103.885	1.5
78	MP2C	Mx	-.06	1.5
79	MP2C	X	-59.978	5.5
80	MP2C	Z	-103.885	5.5
81	MP2C	Mx	-.06	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1A	X	-93.663	1.5
83	MP1A	Z	-162.228	1.5
84	MP1A	Mx	.047	1.5
85	MP1A	X	-93.663	5.5
86	MP1A	Z	-162.228	5.5
87	MP1A	Mx	.047	5.5
88	MP1B	X	-93.663	1.5
89	MP1B	Z	-162.228	1.5
90	MP1B	Mx	.047	1.5
91	MP1B	X	-93.663	5.5
92	MP1B	Z	-162.228	5.5
93	MP1B	Mx	.047	5.5
94	MP1C	X	-85.955	1.5
95	MP1C	Z	-148.878	1.5
96	MP1C	Mx	-.086	1.5
97	MP1C	X	-85.955	5.5
98	MP1C	Z	-148.878	5.5
99	MP1C	Mx	-.086	5.5
100	MP4A	X	-93.663	1.5
101	MP4A	Z	-162.228	1.5
102	MP4A	Mx	.047	1.5
103	MP4A	X	-93.663	5.5
104	MP4A	Z	-162.228	5.5
105	MP4A	Mx	.047	5.5
106	MP4B	X	-93.663	1.5
107	MP4B	Z	-162.228	1.5
108	MP4B	Mx	.047	1.5
109	MP4B	X	-93.663	5.5
110	MP4B	Z	-162.228	5.5
111	MP4B	Mx	.047	5.5
112	MP4C	X	-85.955	1.5
113	MP4C	Z	-148.878	1.5
114	MP4C	Mx	-.086	1.5
115	MP4C	X	-85.955	5.5
116	MP4C	Z	-148.878	5.5
117	MP4C	Mx	-.086	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	-19.453	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4.5
5	MP3A	Z	-19.453	4.5
6	MP3A	Mx	0	4.5
7	MP3B	X	0	2.5
8	MP3B	Z	-11.081	2.5
9	MP3B	Mx	.005	2.5
10	MP3B	X	0	4.5
11	MP3B	Z	-11.081	4.5
12	MP3B	Mx	.005	4.5
13	MP3C	X	0	2.5
14	MP3C	Z	-11.081	2.5
15	MP3C	Mx	-.005	2.5
16	MP3C	X	0	4.5
17	MP3C	Z	-11.081	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mx	-.005	4.5
19	MP2A	X	0	2
20	MP2A	Z	-3.985	2
21	MP2A	Mx	0	2
22	MP2B	X	0	2
23	MP2B	Z	-3.24	2
24	MP2B	Mx	-.001	2
25	MP2C	X	0	2
26	MP2C	Z	-3.24	2
27	MP2C	Mx	.001	2
28	MP2A	X	0	3.5
29	MP2A	Z	-16.401	3.5
30	MP2A	Mx	0	3.5
31	MP2B	X	0	3.5
32	MP2B	Z	-12.658	3.5
33	MP2B	Mx	-.005	3.5
34	MP2C	X	0	3.5
35	MP2C	Z	-12.658	3.5
36	MP2C	Mx	.005	3.5
37	MP3A	X	0	3.5
38	MP3A	Z	-16.401	3.5
39	MP3A	Mx	0	3.5
40	MP3B	X	0	3.5
41	MP3B	Z	-11.236	3.5
42	MP3B	Mx	-.005	3.5
43	MP3C	X	0	3.5
44	MP3C	Z	-11.236	3.5
45	MP3C	Mx	.005	3.5
46	MP2A	X	0	1.5
47	MP2A	Z	-36.57	1.5
48	MP2A	Mx	-.021	1.5
49	MP2A	X	0	5.5
50	MP2A	Z	-36.57	5.5
51	MP2A	Mx	-.021	5.5
52	MP2B	X	0	1.5
53	MP2B	Z	-27.856	1.5
54	MP2B	Mx	-.02	1.5
55	MP2B	X	0	5.5
56	MP2B	Z	-27.856	5.5
57	MP2B	Mx	-.02	5.5
58	MP2C	X	0	1.5
59	MP2C	Z	-27.856	1.5
60	MP2C	Mx	.02	1.5
61	MP2C	X	0	5.5
62	MP2C	Z	-27.856	5.5
63	MP2C	Mx	.02	5.5
64	MP2A	X	0	1.5
65	MP2A	Z	-36.57	1.5
66	MP2A	Mx	.021	1.5
67	MP2A	X	0	5.5
68	MP2A	Z	-36.57	5.5
69	MP2A	Mx	.021	5.5
70	MP2B	X	0	1.5
71	MP2B	Z	-27.856	1.5
72	MP2B	Mx	-.004	1.5
73	MP2B	X	0	5.5
74	MP2B	Z	-27.856	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2B	Mx	-.004	5.5
76	MP2C	X	0	1.5
77	MP2C	Z	-27.856	1.5
78	MP2C	Mx	-.02	1.5
79	MP2C	X	0	5.5
80	MP2C	Z	-27.856	5.5
81	MP2C	Mx	-.02	5.5
82	MP1A	X	0	1.5
83	MP1A	Z	-38.369	1.5
84	MP1A	Mx	0	1.5
85	MP1A	X	0	5.5
86	MP1A	Z	-38.369	5.5
87	MP1A	Mx	0	5.5
88	MP1B	X	0	1.5
89	MP1B	Z	-35.482	1.5
90	MP1B	Mx	.015	1.5
91	MP1B	X	0	5.5
92	MP1B	Z	-35.482	5.5
93	MP1B	Mx	.015	5.5
94	MP1C	X	0	1.5
95	MP1C	Z	-35.482	1.5
96	MP1C	Mx	-.015	1.5
97	MP1C	X	0	5.5
98	MP1C	Z	-35.482	5.5
99	MP1C	Mx	-.015	5.5
100	MP4A	X	0	1.5
101	MP4A	Z	-38.369	1.5
102	MP4A	Mx	0	1.5
103	MP4A	X	0	5.5
104	MP4A	Z	-38.369	5.5
105	MP4A	Mx	0	5.5
106	MP4B	X	0	1.5
107	MP4B	Z	-35.482	1.5
108	MP4B	Mx	.015	1.5
109	MP4B	X	0	5.5
110	MP4B	Z	-35.482	5.5
111	MP4B	Mx	.015	5.5
112	MP4C	X	0	1.5
113	MP4C	Z	-35.482	1.5
114	MP4C	Mx	-.015	1.5
115	MP4C	X	0	5.5
116	MP4C	Z	-35.482	5.5
117	MP4C	Mx	-.015	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	8.331	2.5
2	MP3A	Z	-14.43	2.5
3	MP3A	Mx	-.004	2.5
4	MP3A	X	8.331	4.5
5	MP3A	Z	-14.43	4.5
6	MP3A	Mx	-.004	4.5
7	MP3B	X	4.145	2.5
8	MP3B	Z	-7.18	2.5
9	MP3B	Mx	.004	2.5
10	MP3B	X	4.145	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP3B	Z	-7.18	4.5
12	MP3B	Mx	.004	4.5
13	MP3C	X	8.331	2.5
14	MP3C	Z	-14.43	2.5
15	MP3C	Mx	-.004	2.5
16	MP3C	X	8.331	4.5
17	MP3C	Z	-14.43	4.5
18	MP3C	Mx	-.004	4.5
19	MP2A	X	1.869	2
20	MP2A	Z	-3.236	2
21	MP2A	Mx	.000934	2
22	MP2B	X	1.496	2
23	MP2B	Z	-2.591	2
24	MP2B	Mx	-.001	2
25	MP2C	X	1.869	2
26	MP2C	Z	-3.236	2
27	MP2C	Mx	.000934	2
28	MP2A	X	7.577	3.5
29	MP2A	Z	-13.123	3.5
30	MP2A	Mx	.004	3.5
31	MP2B	X	5.705	3.5
32	MP2B	Z	-9.882	3.5
33	MP2B	Mx	-.006	3.5
34	MP2C	X	7.577	3.5
35	MP2C	Z	-13.123	3.5
36	MP2C	Mx	.004	3.5
37	MP3A	X	7.34	3.5
38	MP3A	Z	-12.713	3.5
39	MP3A	Mx	.004	3.5
40	MP3B	X	4.757	3.5
41	MP3B	Z	-8.24	3.5
42	MP3B	Mx	-.005	3.5
43	MP3C	X	7.34	3.5
44	MP3C	Z	-12.713	3.5
45	MP3C	Mx	.004	3.5
46	MP2A	X	16.833	1.5
47	MP2A	Z	-29.155	1.5
48	MP2A	Mx	-.025	1.5
49	MP2A	X	16.833	5.5
50	MP2A	Z	-29.155	5.5
51	MP2A	Mx	-.025	5.5
52	MP2B	X	12.476	1.5
53	MP2B	Z	-21.609	1.5
54	MP2B	Mx	-.012	1.5
55	MP2B	X	12.476	5.5
56	MP2B	Z	-21.609	5.5
57	MP2B	Mx	-.012	5.5
58	MP2C	X	12.476	1.5
59	MP2C	Z	-21.609	1.5
60	MP2C	Mx	.012	1.5
61	MP2C	X	12.476	5.5
62	MP2C	Z	-21.609	5.5
63	MP2C	Mx	.012	5.5
64	MP2A	X	16.833	1.5
65	MP2A	Z	-29.155	1.5
66	MP2A	Mx	.009	1.5
67	MP2A	X	16.833	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2A	Z	-29.155	5.5
69	MP2A	Mx	.009	5.5
70	MP2B	X	12.476	1.5
71	MP2B	Z	-21.609	1.5
72	MP2B	Mx	-.012	1.5
73	MP2B	X	12.476	5.5
74	MP2B	Z	-21.609	5.5
75	MP2B	Mx	-.012	5.5
76	MP2C	X	16.833	1.5
77	MP2C	Z	-29.155	1.5
78	MP2C	Mx	-.025	1.5
79	MP2C	X	16.833	5.5
80	MP2C	Z	-29.155	5.5
81	MP2C	Mx	-.025	5.5
82	MP1A	X	18.703	1.5
83	MP1A	Z	-32.395	1.5
84	MP1A	Mx	-.009	1.5
85	MP1A	X	18.703	5.5
86	MP1A	Z	-32.395	5.5
87	MP1A	Mx	-.009	5.5
88	MP1B	X	17.259	1.5
89	MP1B	Z	-29.894	1.5
90	MP1B	Mx	.017	1.5
91	MP1B	X	17.259	5.5
92	MP1B	Z	-29.894	5.5
93	MP1B	Mx	.017	5.5
94	MP1C	X	18.703	1.5
95	MP1C	Z	-32.395	1.5
96	MP1C	Mx	-.009	1.5
97	MP1C	X	18.703	5.5
98	MP1C	Z	-32.395	5.5
99	MP1C	Mx	-.009	5.5
100	MP4A	X	18.703	1.5
101	MP4A	Z	-32.395	1.5
102	MP4A	Mx	-.009	1.5
103	MP4A	X	18.703	5.5
104	MP4A	Z	-32.395	5.5
105	MP4A	Mx	-.009	5.5
106	MP4B	X	17.259	1.5
107	MP4B	Z	-29.894	1.5
108	MP4B	Mx	.017	1.5
109	MP4B	X	17.259	5.5
110	MP4B	Z	-29.894	5.5
111	MP4B	Mx	.017	5.5
112	MP4C	X	18.703	1.5
113	MP4C	Z	-32.395	1.5
114	MP4C	Mx	-.009	1.5
115	MP4C	X	18.703	5.5
116	MP4C	Z	-32.395	5.5
117	MP4C	Mx	-.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	9.597	2.5
2	MP3A	Z	-5.541	2.5
3	MP3A	Mx	-.005	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3A	X	9.597	4.5
5	MP3A	Z	-5.541	4.5
6	MP3A	Mx	-.005	4.5
7	MP3B	X	9.597	2.5
8	MP3B	Z	-5.541	2.5
9	MP3B	Mx	.005	2.5
10	MP3B	X	9.597	4.5
11	MP3B	Z	-5.541	4.5
12	MP3B	Mx	.005	4.5
13	MP3C	X	16.847	2.5
14	MP3C	Z	-9.727	2.5
15	MP3C	Mx	0	2.5
16	MP3C	X	16.847	4.5
17	MP3C	Z	-9.727	4.5
18	MP3C	Mx	0	4.5
19	MP2A	X	2.806	2
20	MP2A	Z	-1.62	2
21	MP2A	Mx	.001	2
22	MP2B	X	2.806	2
23	MP2B	Z	-1.62	2
24	MP2B	Mx	-.001	2
25	MP2C	X	3.451	2
26	MP2C	Z	-1.993	2
27	MP2C	Mx	0	2
28	MP2A	X	10.962	3.5
29	MP2A	Z	-6.329	3.5
30	MP2A	Mx	.005	3.5
31	MP2B	X	10.962	3.5
32	MP2B	Z	-6.329	3.5
33	MP2B	Mx	-.005	3.5
34	MP2C	X	14.203	3.5
35	MP2C	Z	-8.2	3.5
36	MP2C	Mx	0	3.5
37	MP3A	X	9.731	3.5
38	MP3A	Z	-5.618	3.5
39	MP3A	Mx	.005	3.5
40	MP3B	X	9.731	3.5
41	MP3B	Z	-5.618	3.5
42	MP3B	Mx	-.005	3.5
43	MP3C	X	14.203	3.5
44	MP3C	Z	-8.2	3.5
45	MP3C	Mx	0	3.5
46	MP2A	X	24.124	1.5
47	MP2A	Z	-13.928	1.5
48	MP2A	Mx	-.02	1.5
49	MP2A	X	24.124	5.5
50	MP2A	Z	-13.928	5.5
51	MP2A	Mx	-.02	5.5
52	MP2B	X	24.124	1.5
53	MP2B	Z	-13.928	1.5
54	MP2B	Mx	-.004	1.5
55	MP2B	X	24.124	5.5
56	MP2B	Z	-13.928	5.5
57	MP2B	Mx	-.004	5.5
58	MP2C	X	24.124	1.5
59	MP2C	Z	-13.928	1.5
60	MP2C	Mx	.004	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2C	X	24.124	5.5
62	MP2C	Z	-13.928	5.5
63	MP2C	Mx	.004	5.5
64	MP2A	X	24.124	1.5
65	MP2A	Z	-13.928	1.5
66	MP2A	Mx	-.004	1.5
67	MP2A	X	24.124	5.5
68	MP2A	Z	-13.928	5.5
69	MP2A	Mx	-.004	5.5
70	MP2B	X	24.124	1.5
71	MP2B	Z	-13.928	1.5
72	MP2B	Mx	-.02	1.5
73	MP2B	X	24.124	5.5
74	MP2B	Z	-13.928	5.5
75	MP2B	Mx	-.02	5.5
76	MP2C	X	31.671	1.5
77	MP2C	Z	-18.285	1.5
78	MP2C	Mx	-.021	1.5
79	MP2C	X	31.671	5.5
80	MP2C	Z	-18.285	5.5
81	MP2C	Mx	-.021	5.5
82	MP1A	X	30.728	1.5
83	MP1A	Z	-17.741	1.5
84	MP1A	Mx	-.015	1.5
85	MP1A	X	30.728	5.5
86	MP1A	Z	-17.741	5.5
87	MP1A	Mx	-.015	5.5
88	MP1B	X	30.728	1.5
89	MP1B	Z	-17.741	1.5
90	MP1B	Mx	.015	1.5
91	MP1B	X	30.728	5.5
92	MP1B	Z	-17.741	5.5
93	MP1B	Mx	.015	5.5
94	MP1C	X	33.229	1.5
95	MP1C	Z	-19.185	1.5
96	MP1C	Mx	0	1.5
97	MP1C	X	33.229	5.5
98	MP1C	Z	-19.185	5.5
99	MP1C	Mx	0	5.5
100	MP4A	X	30.728	1.5
101	MP4A	Z	-17.741	1.5
102	MP4A	Mx	-.015	1.5
103	MP4A	X	30.728	5.5
104	MP4A	Z	-17.741	5.5
105	MP4A	Mx	-.015	5.5
106	MP4B	X	30.728	1.5
107	MP4B	Z	-17.741	1.5
108	MP4B	Mx	.015	1.5
109	MP4B	X	30.728	5.5
110	MP4B	Z	-17.741	5.5
111	MP4B	Mx	.015	5.5
112	MP4C	X	33.229	1.5
113	MP4C	Z	-19.185	1.5
114	MP4C	Mx	0	1.5
115	MP4C	X	33.229	5.5
116	MP4C	Z	-19.185	5.5
117	MP4C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	8.29	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	-.004	2.5
4	MP3A	X	8.29	4.5
5	MP3A	Z	0	4.5
6	MP3A	Mx	-.004	4.5
7	MP3B	X	16.663	2.5
8	MP3B	Z	0	2.5
9	MP3B	Mx	.004	2.5
10	MP3B	X	16.663	4.5
11	MP3B	Z	0	4.5
12	MP3B	Mx	.004	4.5
13	MP3C	X	16.663	2.5
14	MP3C	Z	0	2.5
15	MP3C	Mx	.004	2.5
16	MP3C	X	16.663	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	.004	4.5
19	MP2A	X	2.992	2
20	MP2A	Z	0	2
21	MP2A	Mx	.001	2
22	MP2B	X	3.737	2
23	MP2B	Z	0	2
24	MP2B	Mx	-.000934	2
25	MP2C	X	3.737	2
26	MP2C	Z	0	2
27	MP2C	Mx	-.000934	2
28	MP2A	X	11.411	3.5
29	MP2A	Z	0	3.5
30	MP2A	Mx	.006	3.5
31	MP2B	X	15.153	3.5
32	MP2B	Z	0	3.5
33	MP2B	Mx	-.004	3.5
34	MP2C	X	15.153	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	-.004	3.5
37	MP3A	X	9.515	3.5
38	MP3A	Z	0	3.5
39	MP3A	Mx	.005	3.5
40	MP3B	X	14.679	3.5
41	MP3B	Z	0	3.5
42	MP3B	Mx	-.004	3.5
43	MP3C	X	14.679	3.5
44	MP3C	Z	0	3.5
45	MP3C	Mx	-.004	3.5
46	MP2A	X	24.951	1.5
47	MP2A	Z	0	1.5
48	MP2A	Mx	-.012	1.5
49	MP2A	X	24.951	5.5
50	MP2A	Z	0	5.5
51	MP2A	Mx	-.012	5.5
52	MP2B	X	33.665	1.5
53	MP2B	Z	0	1.5
54	MP2B	Mx	.009	1.5
55	MP2B	X	33.665	5.5
56	MP2B	Z	0	5.5
57	MP2B	Mx	.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2C	X	33.665	1.5
59	MP2C	Z	0	1.5
60	MP2C	Mx	-.009	1.5
61	MP2C	X	33.665	5.5
62	MP2C	Z	0	5.5
63	MP2C	Mx	-.009	5.5
64	MP2A	X	24.951	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	-.012	1.5
67	MP2A	X	24.951	5.5
68	MP2A	Z	0	5.5
69	MP2A	Mx	-.012	5.5
70	MP2B	X	33.665	1.5
71	MP2B	Z	0	1.5
72	MP2B	Mx	-.025	1.5
73	MP2B	X	33.665	5.5
74	MP2B	Z	0	5.5
75	MP2B	Mx	-.025	5.5
76	MP2C	X	33.665	1.5
77	MP2C	Z	0	1.5
78	MP2C	Mx	-.009	1.5
79	MP2C	X	33.665	5.5
80	MP2C	Z	0	5.5
81	MP2C	Mx	-.009	5.5
82	MP1A	X	34.519	1.5
83	MP1A	Z	0	1.5
84	MP1A	Mx	-.017	1.5
85	MP1A	X	34.519	5.5
86	MP1A	Z	0	5.5
87	MP1A	Mx	-.017	5.5
88	MP1B	X	37.407	1.5
89	MP1B	Z	0	1.5
90	MP1B	Mx	.009	1.5
91	MP1B	X	37.407	5.5
92	MP1B	Z	0	5.5
93	MP1B	Mx	.009	5.5
94	MP1C	X	37.407	1.5
95	MP1C	Z	0	1.5
96	MP1C	Mx	.009	1.5
97	MP1C	X	37.407	5.5
98	MP1C	Z	0	5.5
99	MP1C	Mx	.009	5.5
100	MP4A	X	34.519	1.5
101	MP4A	Z	0	1.5
102	MP4A	Mx	-.017	1.5
103	MP4A	X	34.519	5.5
104	MP4A	Z	0	5.5
105	MP4A	Mx	-.017	5.5
106	MP4B	X	37.407	1.5
107	MP4B	Z	0	1.5
108	MP4B	Mx	.009	1.5
109	MP4B	X	37.407	5.5
110	MP4B	Z	0	5.5
111	MP4B	Mx	.009	5.5
112	MP4C	X	37.407	1.5
113	MP4C	Z	0	1.5
114	MP4C	Mx	.009	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4C	X	37.407	5.5
116	MP4C	Z	0	5.5
117	MP4C	Mx	.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	9.597	2.5
2	MP3A	Z	5.541	2.5
3	MP3A	Mx	-.005	2.5
4	MP3A	X	9.597	4.5
5	MP3A	Z	5.541	4.5
6	MP3A	Mx	-.005	4.5
7	MP3B	X	16.847	2.5
8	MP3B	Z	9.727	2.5
9	MP3B	Mx	0	2.5
10	MP3B	X	16.847	4.5
11	MP3B	Z	9.727	4.5
12	MP3B	Mx	0	4.5
13	MP3C	X	9.597	2.5
14	MP3C	Z	5.541	2.5
15	MP3C	Mx	.005	2.5
16	MP3C	X	9.597	4.5
17	MP3C	Z	5.541	4.5
18	MP3C	Mx	.005	4.5
19	MP2A	X	2.806	2
20	MP2A	Z	1.62	2
21	MP2A	Mx	.001	2
22	MP2B	X	3.451	2
23	MP2B	Z	1.993	2
24	MP2B	Mx	0	2
25	MP2C	X	2.806	2
26	MP2C	Z	1.62	2
27	MP2C	Mx	-.001	2
28	MP2A	X	10.962	3.5
29	MP2A	Z	6.329	3.5
30	MP2A	Mx	.005	3.5
31	MP2B	X	14.203	3.5
32	MP2B	Z	8.2	3.5
33	MP2B	Mx	0	3.5
34	MP2C	X	10.962	3.5
35	MP2C	Z	6.329	3.5
36	MP2C	Mx	-.005	3.5
37	MP3A	X	9.731	3.5
38	MP3A	Z	5.618	3.5
39	MP3A	Mx	.005	3.5
40	MP3B	X	14.203	3.5
41	MP3B	Z	8.2	3.5
42	MP3B	Mx	0	3.5
43	MP3C	X	9.731	3.5
44	MP3C	Z	5.618	3.5
45	MP3C	Mx	-.005	3.5
46	MP2A	X	24.124	1.5
47	MP2A	Z	13.928	1.5
48	MP2A	Mx	-.004	1.5
49	MP2A	X	24.124	5.5
50	MP2A	Z	13.928	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP2A	Mx	-.004	5.5
52	MP2B	X	31.671	1.5
53	MP2B	Z	18.285	1.5
54	MP2B	Mx	.021	1.5
55	MP2B	X	31.671	5.5
56	MP2B	Z	18.285	5.5
57	MP2B	Mx	.021	5.5
58	MP2C	X	31.671	1.5
59	MP2C	Z	18.285	1.5
60	MP2C	Mx	-.021	1.5
61	MP2C	X	31.671	5.5
62	MP2C	Z	18.285	5.5
63	MP2C	Mx	-.021	5.5
64	MP2A	X	24.124	1.5
65	MP2A	Z	13.928	1.5
66	MP2A	Mx	-.02	1.5
67	MP2A	X	24.124	5.5
68	MP2A	Z	13.928	5.5
69	MP2A	Mx	-.02	5.5
70	MP2B	X	31.671	1.5
71	MP2B	Z	18.285	1.5
72	MP2B	Mx	-.021	1.5
73	MP2B	X	31.671	5.5
74	MP2B	Z	18.285	5.5
75	MP2B	Mx	-.021	5.5
76	MP2C	X	24.124	1.5
77	MP2C	Z	13.928	1.5
78	MP2C	Mx	.004	1.5
79	MP2C	X	24.124	5.5
80	MP2C	Z	13.928	5.5
81	MP2C	Mx	.004	5.5
82	MP1A	X	30.728	1.5
83	MP1A	Z	17.741	1.5
84	MP1A	Mx	-.015	1.5
85	MP1A	X	30.728	5.5
86	MP1A	Z	17.741	5.5
87	MP1A	Mx	-.015	5.5
88	MP1B	X	33.229	1.5
89	MP1B	Z	19.185	1.5
90	MP1B	Mx	0	1.5
91	MP1B	X	33.229	5.5
92	MP1B	Z	19.185	5.5
93	MP1B	Mx	0	5.5
94	MP1C	X	30.728	1.5
95	MP1C	Z	17.741	1.5
96	MP1C	Mx	.015	1.5
97	MP1C	X	30.728	5.5
98	MP1C	Z	17.741	5.5
99	MP1C	Mx	.015	5.5
100	MP4A	X	30.728	1.5
101	MP4A	Z	17.741	1.5
102	MP4A	Mx	-.015	1.5
103	MP4A	X	30.728	5.5
104	MP4A	Z	17.741	5.5
105	MP4A	Mx	-.015	5.5
106	MP4B	X	33.229	1.5
107	MP4B	Z	19.185	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP4B	Mx	0	1.5
109	MP4B	X	33.229	5.5
110	MP4B	Z	19.185	5.5
111	MP4B	Mx	0	5.5
112	MP4C	X	30.728	1.5
113	MP4C	Z	17.741	1.5
114	MP4C	Mx	.015	1.5
115	MP4C	X	30.728	5.5
116	MP4C	Z	17.741	5.5
117	MP4C	Mx	.015	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	8.331	2.5
2	MP3A	Z	14.43	2.5
3	MP3A	Mx	-.004	2.5
4	MP3A	X	8.331	4.5
5	MP3A	Z	14.43	4.5
6	MP3A	Mx	-.004	4.5
7	MP3B	X	8.331	2.5
8	MP3B	Z	14.43	2.5
9	MP3B	Mx	-.004	2.5
10	MP3B	X	8.331	4.5
11	MP3B	Z	14.43	4.5
12	MP3B	Mx	-.004	4.5
13	MP3C	X	4.145	2.5
14	MP3C	Z	7.18	2.5
15	MP3C	Mx	.004	2.5
16	MP3C	X	4.145	4.5
17	MP3C	Z	7.18	4.5
18	MP3C	Mx	.004	4.5
19	MP2A	X	1.869	2
20	MP2A	Z	3.236	2
21	MP2A	Mx	.000934	2
22	MP2B	X	1.869	2
23	MP2B	Z	3.236	2
24	MP2B	Mx	.000934	2
25	MP2C	X	1.496	2
26	MP2C	Z	2.591	2
27	MP2C	Mx	-.001	2
28	MP2A	X	7.577	3.5
29	MP2A	Z	13.123	3.5
30	MP2A	Mx	.004	3.5
31	MP2B	X	7.577	3.5
32	MP2B	Z	13.123	3.5
33	MP2B	Mx	.004	3.5
34	MP2C	X	5.705	3.5
35	MP2C	Z	9.882	3.5
36	MP2C	Mx	-.006	3.5
37	MP3A	X	7.34	3.5
38	MP3A	Z	12.713	3.5
39	MP3A	Mx	.004	3.5
40	MP3B	X	7.34	3.5
41	MP3B	Z	12.713	3.5
42	MP3B	Mx	.004	3.5
43	MP3C	X	4.757	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3C	Z	8.24	3.5
45	MP3C	Mx	-.005	3.5
46	MP2A	X	16.833	1.5
47	MP2A	Z	29.155	1.5
48	MP2A	Mx	.009	1.5
49	MP2A	X	16.833	5.5
50	MP2A	Z	29.155	5.5
51	MP2A	Mx	.009	5.5
52	MP2B	X	16.833	1.5
53	MP2B	Z	29.155	1.5
54	MP2B	Mx	.025	1.5
55	MP2B	X	16.833	5.5
56	MP2B	Z	29.155	5.5
57	MP2B	Mx	.025	5.5
58	MP2C	X	16.833	1.5
59	MP2C	Z	29.155	1.5
60	MP2C	Mx	-.025	1.5
61	MP2C	X	16.833	5.5
62	MP2C	Z	29.155	5.5
63	MP2C	Mx	-.025	5.5
64	MP2A	X	16.833	1.5
65	MP2A	Z	29.155	1.5
66	MP2A	Mx	-.025	1.5
67	MP2A	X	16.833	5.5
68	MP2A	Z	29.155	5.5
69	MP2A	Mx	-.025	5.5
70	MP2B	X	16.833	1.5
71	MP2B	Z	29.155	1.5
72	MP2B	Mx	-.009	1.5
73	MP2B	X	16.833	5.5
74	MP2B	Z	29.155	5.5
75	MP2B	Mx	-.009	5.5
76	MP2C	X	12.476	1.5
77	MP2C	Z	21.609	1.5
78	MP2C	Mx	.012	1.5
79	MP2C	X	12.476	5.5
80	MP2C	Z	21.609	5.5
81	MP2C	Mx	.012	5.5
82	MP1A	X	18.703	1.5
83	MP1A	Z	32.395	1.5
84	MP1A	Mx	-.009	1.5
85	MP1A	X	18.703	5.5
86	MP1A	Z	32.395	5.5
87	MP1A	Mx	-.009	5.5
88	MP1B	X	18.703	1.5
89	MP1B	Z	32.395	1.5
90	MP1B	Mx	-.009	1.5
91	MP1B	X	18.703	5.5
92	MP1B	Z	32.395	5.5
93	MP1B	Mx	-.009	5.5
94	MP1C	X	17.259	1.5
95	MP1C	Z	29.894	1.5
96	MP1C	Mx	.017	1.5
97	MP1C	X	17.259	5.5
98	MP1C	Z	29.894	5.5
99	MP1C	Mx	.017	5.5
100	MP4A	X	18.703	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP4A	Z	32.395	1.5
102	MP4A	Mx	-.009	1.5
103	MP4A	X	18.703	5.5
104	MP4A	Z	32.395	5.5
105	MP4A	Mx	-.009	5.5
106	MP4B	X	18.703	1.5
107	MP4B	Z	32.395	1.5
108	MP4B	Mx	-.009	1.5
109	MP4B	X	18.703	5.5
110	MP4B	Z	32.395	5.5
111	MP4B	Mx	-.009	5.5
112	MP4C	X	17.259	1.5
113	MP4C	Z	29.894	1.5
114	MP4C	Mx	.017	1.5
115	MP4C	X	17.259	5.5
116	MP4C	Z	29.894	5.5
117	MP4C	Mx	.017	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	19.453	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4.5
5	MP3A	Z	19.453	4.5
6	MP3A	Mx	0	4.5
7	MP3B	X	0	2.5
8	MP3B	Z	11.081	2.5
9	MP3B	Mx	-.005	2.5
10	MP3B	X	0	4.5
11	MP3B	Z	11.081	4.5
12	MP3B	Mx	-.005	4.5
13	MP3C	X	0	2.5
14	MP3C	Z	11.081	2.5
15	MP3C	Mx	.005	2.5
16	MP3C	X	0	4.5
17	MP3C	Z	11.081	4.5
18	MP3C	Mx	.005	4.5
19	MP2A	X	0	2
20	MP2A	Z	3.985	2
21	MP2A	Mx	0	2
22	MP2B	X	0	2
23	MP2B	Z	3.24	2
24	MP2B	Mx	.001	2
25	MP2C	X	0	2
26	MP2C	Z	3.24	2
27	MP2C	Mx	-.001	2
28	MP2A	X	0	3.5
29	MP2A	Z	16.401	3.5
30	MP2A	Mx	0	3.5
31	MP2B	X	0	3.5
32	MP2B	Z	12.658	3.5
33	MP2B	Mx	.005	3.5
34	MP2C	X	0	3.5
35	MP2C	Z	12.658	3.5
36	MP2C	Mx	-.005	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	0	3.5
38	MP3A	Z	16.401	3.5
39	MP3A	Mx	0	3.5
40	MP3B	X	0	3.5
41	MP3B	Z	11.236	3.5
42	MP3B	Mx	.005	3.5
43	MP3C	X	0	3.5
44	MP3C	Z	11.236	3.5
45	MP3C	Mx	-.005	3.5
46	MP2A	X	0	1.5
47	MP2A	Z	36.57	1.5
48	MP2A	Mx	.021	1.5
49	MP2A	X	0	5.5
50	MP2A	Z	36.57	5.5
51	MP2A	Mx	.021	5.5
52	MP2B	X	0	1.5
53	MP2B	Z	27.856	1.5
54	MP2B	Mx	.02	1.5
55	MP2B	X	0	5.5
56	MP2B	Z	27.856	5.5
57	MP2B	Mx	.02	5.5
58	MP2C	X	0	1.5
59	MP2C	Z	27.856	1.5
60	MP2C	Mx	-.02	1.5
61	MP2C	X	0	5.5
62	MP2C	Z	27.856	5.5
63	MP2C	Mx	-.02	5.5
64	MP2A	X	0	1.5
65	MP2A	Z	36.57	1.5
66	MP2A	Mx	-.021	1.5
67	MP2A	X	0	5.5
68	MP2A	Z	36.57	5.5
69	MP2A	Mx	-.021	5.5
70	MP2B	X	0	1.5
71	MP2B	Z	27.856	1.5
72	MP2B	Mx	.004	1.5
73	MP2B	X	0	5.5
74	MP2B	Z	27.856	5.5
75	MP2B	Mx	.004	5.5
76	MP2C	X	0	1.5
77	MP2C	Z	27.856	1.5
78	MP2C	Mx	.02	1.5
79	MP2C	X	0	5.5
80	MP2C	Z	27.856	5.5
81	MP2C	Mx	.02	5.5
82	MP1A	X	0	1.5
83	MP1A	Z	38.369	1.5
84	MP1A	Mx	0	1.5
85	MP1A	X	0	5.5
86	MP1A	Z	38.369	5.5
87	MP1A	Mx	0	5.5
88	MP1B	X	0	1.5
89	MP1B	Z	35.482	1.5
90	MP1B	Mx	-.015	1.5
91	MP1B	X	0	5.5
92	MP1B	Z	35.482	5.5
93	MP1B	Mx	-.015	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1C	X	0	1.5
95	MP1C	Z	35.482	1.5
96	MP1C	Mx	.015	1.5
97	MP1C	X	0	5.5
98	MP1C	Z	35.482	5.5
99	MP1C	Mx	.015	5.5
100	MP4A	X	0	1.5
101	MP4A	Z	38.369	1.5
102	MP4A	Mx	0	1.5
103	MP4A	X	0	5.5
104	MP4A	Z	38.369	5.5
105	MP4A	Mx	0	5.5
106	MP4B	X	0	1.5
107	MP4B	Z	35.482	1.5
108	MP4B	Mx	-.015	1.5
109	MP4B	X	0	5.5
110	MP4B	Z	35.482	5.5
111	MP4B	Mx	-.015	5.5
112	MP4C	X	0	1.5
113	MP4C	Z	35.482	1.5
114	MP4C	Mx	.015	1.5
115	MP4C	X	0	5.5
116	MP4C	Z	35.482	5.5
117	MP4C	Mx	.015	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-8.331	2.5
2	MP3A	Z	14.43	2.5
3	MP3A	Mx	.004	2.5
4	MP3A	X	-8.331	4.5
5	MP3A	Z	14.43	4.5
6	MP3A	Mx	.004	4.5
7	MP3B	X	-4.145	2.5
8	MP3B	Z	7.18	2.5
9	MP3B	Mx	-.004	2.5
10	MP3B	X	-4.145	4.5
11	MP3B	Z	7.18	4.5
12	MP3B	Mx	-.004	4.5
13	MP3C	X	-8.331	2.5
14	MP3C	Z	14.43	2.5
15	MP3C	Mx	.004	2.5
16	MP3C	X	-8.331	4.5
17	MP3C	Z	14.43	4.5
18	MP3C	Mx	.004	4.5
19	MP2A	X	-1.869	2
20	MP2A	Z	3.236	2
21	MP2A	Mx	-.000934	2
22	MP2B	X	-1.496	2
23	MP2B	Z	2.591	2
24	MP2B	Mx	.001	2
25	MP2C	X	-1.869	2
26	MP2C	Z	3.236	2
27	MP2C	Mx	-.000934	2
28	MP2A	X	-7.577	3.5
29	MP2A	Z	13.123	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2A	Mx	-.004	3.5
31	MP2B	X	-5.705	3.5
32	MP2B	Z	9.882	3.5
33	MP2B	Mx	.006	3.5
34	MP2C	X	-7.577	3.5
35	MP2C	Z	13.123	3.5
36	MP2C	Mx	-.004	3.5
37	MP3A	X	-7.34	3.5
38	MP3A	Z	12.713	3.5
39	MP3A	Mx	-.004	3.5
40	MP3B	X	-4.757	3.5
41	MP3B	Z	8.24	3.5
42	MP3B	Mx	.005	3.5
43	MP3C	X	-7.34	3.5
44	MP3C	Z	12.713	3.5
45	MP3C	Mx	-.004	3.5
46	MP2A	X	-16.833	1.5
47	MP2A	Z	29.155	1.5
48	MP2A	Mx	.025	1.5
49	MP2A	X	-16.833	5.5
50	MP2A	Z	29.155	5.5
51	MP2A	Mx	.025	5.5
52	MP2B	X	-12.476	1.5
53	MP2B	Z	21.609	1.5
54	MP2B	Mx	.012	1.5
55	MP2B	X	-12.476	5.5
56	MP2B	Z	21.609	5.5
57	MP2B	Mx	.012	5.5
58	MP2C	X	-12.476	1.5
59	MP2C	Z	21.609	1.5
60	MP2C	Mx	-.012	1.5
61	MP2C	X	-12.476	5.5
62	MP2C	Z	21.609	5.5
63	MP2C	Mx	-.012	5.5
64	MP2A	X	-16.833	1.5
65	MP2A	Z	29.155	1.5
66	MP2A	Mx	-.009	1.5
67	MP2A	X	-16.833	5.5
68	MP2A	Z	29.155	5.5
69	MP2A	Mx	-.009	5.5
70	MP2B	X	-12.476	1.5
71	MP2B	Z	21.609	1.5
72	MP2B	Mx	.012	1.5
73	MP2B	X	-12.476	5.5
74	MP2B	Z	21.609	5.5
75	MP2B	Mx	.012	5.5
76	MP2C	X	-16.833	1.5
77	MP2C	Z	29.155	1.5
78	MP2C	Mx	.025	1.5
79	MP2C	X	-16.833	5.5
80	MP2C	Z	29.155	5.5
81	MP2C	Mx	.025	5.5
82	MP1A	X	-18.703	1.5
83	MP1A	Z	32.395	1.5
84	MP1A	Mx	.009	1.5
85	MP1A	X	-18.703	5.5
86	MP1A	Z	32.395	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP1A	Mx	.009	5.5
88	MP1B	X	-17.259	1.5
89	MP1B	Z	29.894	1.5
90	MP1B	Mx	-.017	1.5
91	MP1B	X	-17.259	5.5
92	MP1B	Z	29.894	5.5
93	MP1B	Mx	-.017	5.5
94	MP1C	X	-18.703	1.5
95	MP1C	Z	32.395	1.5
96	MP1C	Mx	.009	1.5
97	MP1C	X	-18.703	5.5
98	MP1C	Z	32.395	5.5
99	MP1C	Mx	.009	5.5
100	MP4A	X	-18.703	1.5
101	MP4A	Z	32.395	1.5
102	MP4A	Mx	.009	1.5
103	MP4A	X	-18.703	5.5
104	MP4A	Z	32.395	5.5
105	MP4A	Mx	.009	5.5
106	MP4B	X	-17.259	1.5
107	MP4B	Z	29.894	1.5
108	MP4B	Mx	-.017	1.5
109	MP4B	X	-17.259	5.5
110	MP4B	Z	29.894	5.5
111	MP4B	Mx	-.017	5.5
112	MP4C	X	-18.703	1.5
113	MP4C	Z	32.395	1.5
114	MP4C	Mx	.009	1.5
115	MP4C	X	-18.703	5.5
116	MP4C	Z	32.395	5.5
117	MP4C	Mx	.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-9.597	2.5
2	MP3A	Z	5.541	2.5
3	MP3A	Mx	.005	2.5
4	MP3A	X	-9.597	4.5
5	MP3A	Z	5.541	4.5
6	MP3A	Mx	.005	4.5
7	MP3B	X	-9.597	2.5
8	MP3B	Z	5.541	2.5
9	MP3B	Mx	-.005	2.5
10	MP3B	X	-9.597	4.5
11	MP3B	Z	5.541	4.5
12	MP3B	Mx	-.005	4.5
13	MP3C	X	-16.847	2.5
14	MP3C	Z	9.727	2.5
15	MP3C	Mx	0	2.5
16	MP3C	X	-16.847	4.5
17	MP3C	Z	9.727	4.5
18	MP3C	Mx	0	4.5
19	MP2A	X	-2.806	2
20	MP2A	Z	1.62	2
21	MP2A	Mx	-.001	2
22	MP2B	X	-2.806	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2B	Z	1.62	2
24	MP2B	Mx	.001	2
25	MP2C	X	-3.451	2
26	MP2C	Z	1.993	2
27	MP2C	Mx	0	2
28	MP2A	X	-10.962	3.5
29	MP2A	Z	6.329	3.5
30	MP2A	Mx	-.005	3.5
31	MP2B	X	-10.962	3.5
32	MP2B	Z	6.329	3.5
33	MP2B	Mx	.005	3.5
34	MP2C	X	-14.203	3.5
35	MP2C	Z	8.2	3.5
36	MP2C	Mx	0	3.5
37	MP3A	X	-9.731	3.5
38	MP3A	Z	5.618	3.5
39	MP3A	Mx	-.005	3.5
40	MP3B	X	-9.731	3.5
41	MP3B	Z	5.618	3.5
42	MP3B	Mx	.005	3.5
43	MP3C	X	-14.203	3.5
44	MP3C	Z	8.2	3.5
45	MP3C	Mx	0	3.5
46	MP2A	X	-24.124	1.5
47	MP2A	Z	13.928	1.5
48	MP2A	Mx	.02	1.5
49	MP2A	X	-24.124	5.5
50	MP2A	Z	13.928	5.5
51	MP2A	Mx	.02	5.5
52	MP2B	X	-24.124	1.5
53	MP2B	Z	13.928	1.5
54	MP2B	Mx	.004	1.5
55	MP2B	X	-24.124	5.5
56	MP2B	Z	13.928	5.5
57	MP2B	Mx	.004	5.5
58	MP2C	X	-24.124	1.5
59	MP2C	Z	13.928	1.5
60	MP2C	Mx	-.004	1.5
61	MP2C	X	-24.124	5.5
62	MP2C	Z	13.928	5.5
63	MP2C	Mx	-.004	5.5
64	MP2A	X	-24.124	1.5
65	MP2A	Z	13.928	1.5
66	MP2A	Mx	.004	1.5
67	MP2A	X	-24.124	5.5
68	MP2A	Z	13.928	5.5
69	MP2A	Mx	.004	5.5
70	MP2B	X	-24.124	1.5
71	MP2B	Z	13.928	1.5
72	MP2B	Mx	.02	1.5
73	MP2B	X	-24.124	5.5
74	MP2B	Z	13.928	5.5
75	MP2B	Mx	.02	5.5
76	MP2C	X	-31.671	1.5
77	MP2C	Z	18.285	1.5
78	MP2C	Mx	.021	1.5
79	MP2C	X	-31.671	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2C	Z	18.285	5.5
81	MP2C	Mx	.021	5.5
82	MP1A	X	-30.728	1.5
83	MP1A	Z	17.741	1.5
84	MP1A	Mx	.015	1.5
85	MP1A	X	-30.728	5.5
86	MP1A	Z	17.741	5.5
87	MP1A	Mx	.015	5.5
88	MP1B	X	-30.728	1.5
89	MP1B	Z	17.741	1.5
90	MP1B	Mx	-.015	1.5
91	MP1B	X	-30.728	5.5
92	MP1B	Z	17.741	5.5
93	MP1B	Mx	-.015	5.5
94	MP1C	X	-33.229	1.5
95	MP1C	Z	19.185	1.5
96	MP1C	Mx	0	1.5
97	MP1C	X	-33.229	5.5
98	MP1C	Z	19.185	5.5
99	MP1C	Mx	0	5.5
100	MP4A	X	-30.728	1.5
101	MP4A	Z	17.741	1.5
102	MP4A	Mx	.015	1.5
103	MP4A	X	-30.728	5.5
104	MP4A	Z	17.741	5.5
105	MP4A	Mx	.015	5.5
106	MP4B	X	-30.728	1.5
107	MP4B	Z	17.741	1.5
108	MP4B	Mx	-.015	1.5
109	MP4B	X	-30.728	5.5
110	MP4B	Z	17.741	5.5
111	MP4B	Mx	-.015	5.5
112	MP4C	X	-33.229	1.5
113	MP4C	Z	19.185	1.5
114	MP4C	Mx	0	1.5
115	MP4C	X	-33.229	5.5
116	MP4C	Z	19.185	5.5
117	MP4C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-8.29	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	.004	2.5
4	MP3A	X	-8.29	4.5
5	MP3A	Z	0	4.5
6	MP3A	Mx	.004	4.5
7	MP3B	X	-16.663	2.5
8	MP3B	Z	0	2.5
9	MP3B	Mx	-.004	2.5
10	MP3B	X	-16.663	4.5
11	MP3B	Z	0	4.5
12	MP3B	Mx	-.004	4.5
13	MP3C	X	-16.663	2.5
14	MP3C	Z	0	2.5
15	MP3C	Mx	-.004	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3C	X	-16.663	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	-.004	4.5
19	MP2A	X	-2.992	2
20	MP2A	Z	0	2
21	MP2A	Mx	-.001	2
22	MP2B	X	-3.737	2
23	MP2B	Z	0	2
24	MP2B	Mx	.000934	2
25	MP2C	X	-3.737	2
26	MP2C	Z	0	2
27	MP2C	Mx	.000934	2
28	MP2A	X	-11.411	3.5
29	MP2A	Z	0	3.5
30	MP2A	Mx	-.006	3.5
31	MP2B	X	-15.153	3.5
32	MP2B	Z	0	3.5
33	MP2B	Mx	.004	3.5
34	MP2C	X	-15.153	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	.004	3.5
37	MP3A	X	-9.515	3.5
38	MP3A	Z	0	3.5
39	MP3A	Mx	-.005	3.5
40	MP3B	X	-14.679	3.5
41	MP3B	Z	0	3.5
42	MP3B	Mx	.004	3.5
43	MP3C	X	-14.679	3.5
44	MP3C	Z	0	3.5
45	MP3C	Mx	.004	3.5
46	MP2A	X	-24.951	1.5
47	MP2A	Z	0	1.5
48	MP2A	Mx	.012	1.5
49	MP2A	X	-24.951	5.5
50	MP2A	Z	0	5.5
51	MP2A	Mx	.012	5.5
52	MP2B	X	-33.665	1.5
53	MP2B	Z	0	1.5
54	MP2B	Mx	-.009	1.5
55	MP2B	X	-33.665	5.5
56	MP2B	Z	0	5.5
57	MP2B	Mx	-.009	5.5
58	MP2C	X	-33.665	1.5
59	MP2C	Z	0	1.5
60	MP2C	Mx	.009	1.5
61	MP2C	X	-33.665	5.5
62	MP2C	Z	0	5.5
63	MP2C	Mx	.009	5.5
64	MP2A	X	-24.951	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	.012	1.5
67	MP2A	X	-24.951	5.5
68	MP2A	Z	0	5.5
69	MP2A	Mx	.012	5.5
70	MP2B	X	-33.665	1.5
71	MP2B	Z	0	1.5
72	MP2B	Mx	.025	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP2B	X	-33.665	5.5
74	MP2B	Z	0	5.5
75	MP2B	Mx	.025	5.5
76	MP2C	X	-33.665	1.5
77	MP2C	Z	0	1.5
78	MP2C	Mx	.009	1.5
79	MP2C	X	-33.665	5.5
80	MP2C	Z	0	5.5
81	MP2C	Mx	.009	5.5
82	MP1A	X	-34.519	1.5
83	MP1A	Z	0	1.5
84	MP1A	Mx	.017	1.5
85	MP1A	X	-34.519	5.5
86	MP1A	Z	0	5.5
87	MP1A	Mx	.017	5.5
88	MP1B	X	-37.407	1.5
89	MP1B	Z	0	1.5
90	MP1B	Mx	-.009	1.5
91	MP1B	X	-37.407	5.5
92	MP1B	Z	0	5.5
93	MP1B	Mx	-.009	5.5
94	MP1C	X	-37.407	1.5
95	MP1C	Z	0	1.5
96	MP1C	Mx	-.009	1.5
97	MP1C	X	-37.407	5.5
98	MP1C	Z	0	5.5
99	MP1C	Mx	-.009	5.5
100	MP4A	X	-34.519	1.5
101	MP4A	Z	0	1.5
102	MP4A	Mx	.017	1.5
103	MP4A	X	-34.519	5.5
104	MP4A	Z	0	5.5
105	MP4A	Mx	.017	5.5
106	MP4B	X	-37.407	1.5
107	MP4B	Z	0	1.5
108	MP4B	Mx	-.009	1.5
109	MP4B	X	-37.407	5.5
110	MP4B	Z	0	5.5
111	MP4B	Mx	-.009	5.5
112	MP4C	X	-37.407	1.5
113	MP4C	Z	0	1.5
114	MP4C	Mx	-.009	1.5
115	MP4C	X	-37.407	5.5
116	MP4C	Z	0	5.5
117	MP4C	Mx	-.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-9.597	2.5
2	MP3A	Z	-5.541	2.5
3	MP3A	Mx	.005	2.5
4	MP3A	X	-9.597	4.5
5	MP3A	Z	-5.541	4.5
6	MP3A	Mx	.005	4.5
7	MP3B	X	-16.847	2.5
8	MP3B	Z	-9.727	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	0	2.5
10	MP3B	X	-16.847	4.5
11	MP3B	Z	-9.727	4.5
12	MP3B	Mx	0	4.5
13	MP3C	X	-9.597	2.5
14	MP3C	Z	-5.541	2.5
15	MP3C	Mx	-.005	2.5
16	MP3C	X	-9.597	4.5
17	MP3C	Z	-5.541	4.5
18	MP3C	Mx	-.005	4.5
19	MP2A	X	-2.806	2
20	MP2A	Z	-1.62	2
21	MP2A	Mx	-.001	2
22	MP2B	X	-3.451	2
23	MP2B	Z	-1.993	2
24	MP2B	Mx	0	2
25	MP2C	X	-2.806	2
26	MP2C	Z	-1.62	2
27	MP2C	Mx	.001	2
28	MP2A	X	-10.962	3.5
29	MP2A	Z	-6.329	3.5
30	MP2A	Mx	-.005	3.5
31	MP2B	X	-14.203	3.5
32	MP2B	Z	-8.2	3.5
33	MP2B	Mx	0	3.5
34	MP2C	X	-10.962	3.5
35	MP2C	Z	-6.329	3.5
36	MP2C	Mx	.005	3.5
37	MP3A	X	-9.731	3.5
38	MP3A	Z	-5.618	3.5
39	MP3A	Mx	-.005	3.5
40	MP3B	X	-14.203	3.5
41	MP3B	Z	-8.2	3.5
42	MP3B	Mx	0	3.5
43	MP3C	X	-9.731	3.5
44	MP3C	Z	-5.618	3.5
45	MP3C	Mx	.005	3.5
46	MP2A	X	-24.124	1.5
47	MP2A	Z	-13.928	1.5
48	MP2A	Mx	.004	1.5
49	MP2A	X	-24.124	5.5
50	MP2A	Z	-13.928	5.5
51	MP2A	Mx	.004	5.5
52	MP2B	X	-31.671	1.5
53	MP2B	Z	-18.285	1.5
54	MP2B	Mx	-.021	1.5
55	MP2B	X	-31.671	5.5
56	MP2B	Z	-18.285	5.5
57	MP2B	Mx	-.021	5.5
58	MP2C	X	-31.671	1.5
59	MP2C	Z	-18.285	1.5
60	MP2C	Mx	.021	1.5
61	MP2C	X	-31.671	5.5
62	MP2C	Z	-18.285	5.5
63	MP2C	Mx	.021	5.5
64	MP2A	X	-24.124	1.5
65	MP2A	Z	-13.928	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2A	Mx	.02	1.5
67	MP2A	X	-24.124	5.5
68	MP2A	Z	-13.928	5.5
69	MP2A	Mx	.02	5.5
70	MP2B	X	-31.671	1.5
71	MP2B	Z	-18.285	1.5
72	MP2B	Mx	.021	1.5
73	MP2B	X	-31.671	5.5
74	MP2B	Z	-18.285	5.5
75	MP2B	Mx	.021	5.5
76	MP2C	X	-24.124	1.5
77	MP2C	Z	-13.928	1.5
78	MP2C	Mx	-.004	1.5
79	MP2C	X	-24.124	5.5
80	MP2C	Z	-13.928	5.5
81	MP2C	Mx	-.004	5.5
82	MP1A	X	-30.728	1.5
83	MP1A	Z	-17.741	1.5
84	MP1A	Mx	.015	1.5
85	MP1A	X	-30.728	5.5
86	MP1A	Z	-17.741	5.5
87	MP1A	Mx	.015	5.5
88	MP1B	X	-33.229	1.5
89	MP1B	Z	-19.185	1.5
90	MP1B	Mx	0	1.5
91	MP1B	X	-33.229	5.5
92	MP1B	Z	-19.185	5.5
93	MP1B	Mx	0	5.5
94	MP1C	X	-30.728	1.5
95	MP1C	Z	-17.741	1.5
96	MP1C	Mx	-.015	1.5
97	MP1C	X	-30.728	5.5
98	MP1C	Z	-17.741	5.5
99	MP1C	Mx	-.015	5.5
100	MP4A	X	-30.728	1.5
101	MP4A	Z	-17.741	1.5
102	MP4A	Mx	.015	1.5
103	MP4A	X	-30.728	5.5
104	MP4A	Z	-17.741	5.5
105	MP4A	Mx	.015	5.5
106	MP4B	X	-33.229	1.5
107	MP4B	Z	-19.185	1.5
108	MP4B	Mx	0	1.5
109	MP4B	X	-33.229	5.5
110	MP4B	Z	-19.185	5.5
111	MP4B	Mx	0	5.5
112	MP4C	X	-30.728	1.5
113	MP4C	Z	-17.741	1.5
114	MP4C	Mx	-.015	1.5
115	MP4C	X	-30.728	5.5
116	MP4C	Z	-17.741	5.5
117	MP4C	Mx	-.015	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-8.331	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	Z	-14.43	2.5
3	MP3A	Mx	.004	2.5
4	MP3A	X	-8.331	4.5
5	MP3A	Z	-14.43	4.5
6	MP3A	Mx	.004	4.5
7	MP3B	X	-8.331	2.5
8	MP3B	Z	-14.43	2.5
9	MP3B	Mx	.004	2.5
10	MP3B	X	-8.331	4.5
11	MP3B	Z	-14.43	4.5
12	MP3B	Mx	.004	4.5
13	MP3C	X	-4.145	2.5
14	MP3C	Z	-7.18	2.5
15	MP3C	Mx	-.004	2.5
16	MP3C	X	-4.145	4.5
17	MP3C	Z	-7.18	4.5
18	MP3C	Mx	-.004	4.5
19	MP2A	X	-1.869	2
20	MP2A	Z	-3.236	2
21	MP2A	Mx	-.000934	2
22	MP2B	X	-1.869	2
23	MP2B	Z	-3.236	2
24	MP2B	Mx	-.000934	2
25	MP2C	X	-1.496	2
26	MP2C	Z	-2.591	2
27	MP2C	Mx	.001	2
28	MP2A	X	-7.577	3.5
29	MP2A	Z	-13.123	3.5
30	MP2A	Mx	-.004	3.5
31	MP2B	X	-7.577	3.5
32	MP2B	Z	-13.123	3.5
33	MP2B	Mx	-.004	3.5
34	MP2C	X	-5.705	3.5
35	MP2C	Z	-9.882	3.5
36	MP2C	Mx	.006	3.5
37	MP3A	X	-7.34	3.5
38	MP3A	Z	-12.713	3.5
39	MP3A	Mx	-.004	3.5
40	MP3B	X	-7.34	3.5
41	MP3B	Z	-12.713	3.5
42	MP3B	Mx	-.004	3.5
43	MP3C	X	-4.757	3.5
44	MP3C	Z	-8.24	3.5
45	MP3C	Mx	.005	3.5
46	MP2A	X	-16.833	1.5
47	MP2A	Z	-29.155	1.5
48	MP2A	Mx	-.009	1.5
49	MP2A	X	-16.833	5.5
50	MP2A	Z	-29.155	5.5
51	MP2A	Mx	-.009	5.5
52	MP2B	X	-16.833	1.5
53	MP2B	Z	-29.155	1.5
54	MP2B	Mx	-.025	1.5
55	MP2B	X	-16.833	5.5
56	MP2B	Z	-29.155	5.5
57	MP2B	Mx	-.025	5.5
58	MP2C	X	-16.833	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2C	Z	-29.155	1.5
60	MP2C	Mx	.025	1.5
61	MP2C	X	-16.833	5.5
62	MP2C	Z	-29.155	5.5
63	MP2C	Mx	.025	5.5
64	MP2A	X	-16.833	1.5
65	MP2A	Z	-29.155	1.5
66	MP2A	Mx	.025	1.5
67	MP2A	X	-16.833	5.5
68	MP2A	Z	-29.155	5.5
69	MP2A	Mx	.025	5.5
70	MP2B	X	-16.833	1.5
71	MP2B	Z	-29.155	1.5
72	MP2B	Mx	.009	1.5
73	MP2B	X	-16.833	5.5
74	MP2B	Z	-29.155	5.5
75	MP2B	Mx	.009	5.5
76	MP2C	X	-12.476	1.5
77	MP2C	Z	-21.609	1.5
78	MP2C	Mx	-.012	1.5
79	MP2C	X	-12.476	5.5
80	MP2C	Z	-21.609	5.5
81	MP2C	Mx	-.012	5.5
82	MP1A	X	-18.703	1.5
83	MP1A	Z	-32.395	1.5
84	MP1A	Mx	.009	1.5
85	MP1A	X	-18.703	5.5
86	MP1A	Z	-32.395	5.5
87	MP1A	Mx	.009	5.5
88	MP1B	X	-18.703	1.5
89	MP1B	Z	-32.395	1.5
90	MP1B	Mx	.009	1.5
91	MP1B	X	-18.703	5.5
92	MP1B	Z	-32.395	5.5
93	MP1B	Mx	.009	5.5
94	MP1C	X	-17.259	1.5
95	MP1C	Z	-29.894	1.5
96	MP1C	Mx	-.017	1.5
97	MP1C	X	-17.259	5.5
98	MP1C	Z	-29.894	5.5
99	MP1C	Mx	-.017	5.5
100	MP4A	X	-18.703	1.5
101	MP4A	Z	-32.395	1.5
102	MP4A	Mx	.009	1.5
103	MP4A	X	-18.703	5.5
104	MP4A	Z	-32.395	5.5
105	MP4A	Mx	.009	5.5
106	MP4B	X	-18.703	1.5
107	MP4B	Z	-32.395	1.5
108	MP4B	Mx	.009	1.5
109	MP4B	X	-18.703	5.5
110	MP4B	Z	-32.395	5.5
111	MP4B	Mx	.009	5.5
112	MP4C	X	-17.259	1.5
113	MP4C	Z	-29.894	1.5
114	MP4C	Mx	-.017	1.5
115	MP4C	X	-17.259	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP4C	Z	-29.894	5.5
117	MP4C	Mx	-.017	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	-6.195	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4.5
5	MP3A	Z	-6.195	4.5
6	MP3A	Mx	0	4.5
7	MP3B	X	0	2.5
8	MP3B	Z	-3.368	2.5
9	MP3B	Mx	.001	2.5
10	MP3B	X	0	4.5
11	MP3B	Z	-3.368	4.5
12	MP3B	Mx	.001	4.5
13	MP3C	X	0	2.5
14	MP3C	Z	-3.368	2.5
15	MP3C	Mx	-.001	2.5
16	MP3C	X	0	4.5
17	MP3C	Z	-3.368	4.5
18	MP3C	Mx	-.001	4.5
19	MP2A	X	0	2
20	MP2A	Z	-.975	2
21	MP2A	Mx	0	2
22	MP2B	X	0	2
23	MP2B	Z	-.75	2
24	MP2B	Mx	-.000325	2
25	MP2C	X	0	2
26	MP2C	Z	-.75	2
27	MP2C	Mx	.000325	2
28	MP2A	X	0	3.5
29	MP2A	Z	-4.93	3.5
30	MP2A	Mx	0	3.5
31	MP2B	X	0	3.5
32	MP2B	Z	-3.704	3.5
33	MP2B	Mx	-.002	3.5
34	MP2C	X	0	3.5
35	MP2C	Z	-3.704	3.5
36	MP2C	Mx	.002	3.5
37	MP3A	X	0	3.5
38	MP3A	Z	-4.93	3.5
39	MP3A	Mx	0	3.5
40	MP3B	X	0	3.5
41	MP3B	Z	-3.234	3.5
42	MP3B	Mx	-.001	3.5
43	MP3C	X	0	3.5
44	MP3C	Z	-3.234	3.5
45	MP3C	Mx	.001	3.5
46	MP2A	X	0	1.5
47	MP2A	Z	-12.008	1.5
48	MP2A	Mx	-.007	1.5
49	MP2A	X	0	5.5
50	MP2A	Z	-12.008	5.5
51	MP2A	Mx	-.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2B	X	0	1.5
53	MP2B	Z	-8.917	1.5
54	MP2B	Mx	-.006	1.5
55	MP2B	X	0	5.5
56	MP2B	Z	-8.917	5.5
57	MP2B	Mx	-.006	5.5
58	MP2C	X	0	1.5
59	MP2C	Z	-8.917	1.5
60	MP2C	Mx	.006	1.5
61	MP2C	X	0	5.5
62	MP2C	Z	-8.917	5.5
63	MP2C	Mx	.006	5.5
64	MP2A	X	0	1.5
65	MP2A	Z	-12.008	1.5
66	MP2A	Mx	.007	1.5
67	MP2A	X	0	5.5
68	MP2A	Z	-12.008	5.5
69	MP2A	Mx	.007	5.5
70	MP2B	X	0	1.5
71	MP2B	Z	-8.917	1.5
72	MP2B	Mx	-.001	1.5
73	MP2B	X	0	5.5
74	MP2B	Z	-8.917	5.5
75	MP2B	Mx	-.001	5.5
76	MP2C	X	0	1.5
77	MP2C	Z	-8.917	1.5
78	MP2C	Mx	-.006	1.5
79	MP2C	X	0	5.5
80	MP2C	Z	-8.917	5.5
81	MP2C	Mx	-.006	5.5
82	MP1A	X	0	1.5
83	MP1A	Z	-12.654	1.5
84	MP1A	Mx	0	1.5
85	MP1A	X	0	5.5
86	MP1A	Z	-12.654	5.5
87	MP1A	Mx	0	5.5
88	MP1B	X	0	1.5
89	MP1B	Z	-11.64	1.5
90	MP1B	Mx	.005	1.5
91	MP1B	X	0	5.5
92	MP1B	Z	-11.64	5.5
93	MP1B	Mx	.005	5.5
94	MP1C	X	0	1.5
95	MP1C	Z	-11.64	1.5
96	MP1C	Mx	-.005	1.5
97	MP1C	X	0	5.5
98	MP1C	Z	-11.64	5.5
99	MP1C	Mx	-.005	5.5
100	MP4A	X	0	1.5
101	MP4A	Z	-12.654	1.5
102	MP4A	Mx	0	1.5
103	MP4A	X	0	5.5
104	MP4A	Z	-12.654	5.5
105	MP4A	Mx	0	5.5
106	MP4B	X	0	1.5
107	MP4B	Z	-11.64	1.5
108	MP4B	Mx	.005	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP4B	X	0	5.5
110	MP4B	Z	-11.64	5.5
111	MP4B	Mx	.005	5.5
112	MP4C	X	0	1.5
113	MP4C	Z	-11.64	1.5
114	MP4C	Mx	-.005	1.5
115	MP4C	X	0	5.5
116	MP4C	Z	-11.64	5.5
117	MP4C	Mx	-.005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.626	2.5
2	MP3A	Z	-4.549	2.5
3	MP3A	Mx	-.001	2.5
4	MP3A	X	2.626	4.5
5	MP3A	Z	-4.549	4.5
6	MP3A	Mx	-.001	4.5
7	MP3B	X	1.213	2.5
8	MP3B	Z	-2.1	2.5
9	MP3B	Mx	.001	2.5
10	MP3B	X	1.213	4.5
11	MP3B	Z	-2.1	4.5
12	MP3B	Mx	.001	4.5
13	MP3C	X	2.626	2.5
14	MP3C	Z	-4.549	2.5
15	MP3C	Mx	-.001	2.5
16	MP3C	X	2.626	4.5
17	MP3C	Z	-4.549	4.5
18	MP3C	Mx	-.001	4.5
19	MP2A	X	.45	2
20	MP2A	Z	-.78	2
21	MP2A	Mx	.000225	2
22	MP2B	X	.337	2
23	MP2B	Z	-.584	2
24	MP2B	Mx	-.000337	2
25	MP2C	X	.45	2
26	MP2C	Z	-.78	2
27	MP2C	Mx	.000225	2
28	MP2A	X	2.261	3.5
29	MP2A	Z	-3.915	3.5
30	MP2A	Mx	.001	3.5
31	MP2B	X	1.648	3.5
32	MP2B	Z	-2.854	3.5
33	MP2B	Mx	-.002	3.5
34	MP2C	X	2.261	3.5
35	MP2C	Z	-3.915	3.5
36	MP2C	Mx	.001	3.5
37	MP3A	X	2.182	3.5
38	MP3A	Z	-3.78	3.5
39	MP3A	Mx	.001	3.5
40	MP3B	X	1.335	3.5
41	MP3B	Z	-2.312	3.5
42	MP3B	Mx	-.001	3.5
43	MP3C	X	2.182	3.5
44	MP3C	Z	-3.78	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3C	Mx	.001	3.5
46	MP2A	X	5.489	1.5
47	MP2A	Z	-9.507	1.5
48	MP2A	Mx	-.008	1.5
49	MP2A	X	5.489	5.5
50	MP2A	Z	-9.507	5.5
51	MP2A	Mx	-.008	5.5
52	MP2B	X	3.943	1.5
53	MP2B	Z	-6.83	1.5
54	MP2B	Mx	-.004	1.5
55	MP2B	X	3.943	5.5
56	MP2B	Z	-6.83	5.5
57	MP2B	Mx	-.004	5.5
58	MP2C	X	3.943	1.5
59	MP2C	Z	-6.83	1.5
60	MP2C	Mx	.004	1.5
61	MP2C	X	3.943	5.5
62	MP2C	Z	-6.83	5.5
63	MP2C	Mx	.004	5.5
64	MP2A	X	5.489	1.5
65	MP2A	Z	-9.507	1.5
66	MP2A	Mx	.003	1.5
67	MP2A	X	5.489	5.5
68	MP2A	Z	-9.507	5.5
69	MP2A	Mx	.003	5.5
70	MP2B	X	3.943	1.5
71	MP2B	Z	-6.83	1.5
72	MP2B	Mx	-.004	1.5
73	MP2B	X	3.943	5.5
74	MP2B	Z	-6.83	5.5
75	MP2B	Mx	-.004	5.5
76	MP2C	X	5.489	1.5
77	MP2C	Z	-9.507	1.5
78	MP2C	Mx	-.008	1.5
79	MP2C	X	5.489	5.5
80	MP2C	Z	-9.507	5.5
81	MP2C	Mx	-.008	5.5
82	MP1A	X	6.158	1.5
83	MP1A	Z	-10.666	1.5
84	MP1A	Mx	-.003	1.5
85	MP1A	X	6.158	5.5
86	MP1A	Z	-10.666	5.5
87	MP1A	Mx	-.003	5.5
88	MP1B	X	5.651	1.5
89	MP1B	Z	-9.788	1.5
90	MP1B	Mx	.006	1.5
91	MP1B	X	5.651	5.5
92	MP1B	Z	-9.788	5.5
93	MP1B	Mx	.006	5.5
94	MP1C	X	6.158	1.5
95	MP1C	Z	-10.666	1.5
96	MP1C	Mx	-.003	1.5
97	MP1C	X	6.158	5.5
98	MP1C	Z	-10.666	5.5
99	MP1C	Mx	-.003	5.5
100	MP4A	X	6.158	1.5
101	MP4A	Z	-10.666	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP4A	Mx	-.003	1.5
103	MP4A	X	6.158	5.5
104	MP4A	Z	-10.666	5.5
105	MP4A	Mx	-.003	5.5
106	MP4B	X	5.651	1.5
107	MP4B	Z	-9.788	1.5
108	MP4B	Mx	.006	1.5
109	MP4B	X	5.651	5.5
110	MP4B	Z	-9.788	5.5
111	MP4B	Mx	.006	5.5
112	MP4C	X	6.158	1.5
113	MP4C	Z	-10.666	1.5
114	MP4C	Mx	-.003	1.5
115	MP4C	X	6.158	5.5
116	MP4C	Z	-10.666	5.5
117	MP4C	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.917	2.5
2	MP3A	Z	-1.684	2.5
3	MP3A	Mx	-.001	2.5
4	MP3A	X	2.917	4.5
5	MP3A	Z	-1.684	4.5
6	MP3A	Mx	-.001	4.5
7	MP3B	X	2.917	2.5
8	MP3B	Z	-1.684	2.5
9	MP3B	Mx	.001	2.5
10	MP3B	X	2.917	4.5
11	MP3B	Z	-1.684	4.5
12	MP3B	Mx	.001	4.5
13	MP3C	X	5.365	2.5
14	MP3C	Z	-3.098	2.5
15	MP3C	Mx	0	2.5
16	MP3C	X	5.365	4.5
17	MP3C	Z	-3.098	4.5
18	MP3C	Mx	0	4.5
19	MP2A	X	.65	2
20	MP2A	Z	-.375	2
21	MP2A	Mx	.000325	2
22	MP2B	X	.65	2
23	MP2B	Z	-.375	2
24	MP2B	Mx	-.000325	2
25	MP2C	X	.845	2
26	MP2C	Z	-.488	2
27	MP2C	Mx	0	2
28	MP2A	X	3.208	3.5
29	MP2A	Z	-1.852	3.5
30	MP2A	Mx	.002	3.5
31	MP2B	X	3.208	3.5
32	MP2B	Z	-1.852	3.5
33	MP2B	Mx	-.002	3.5
34	MP2C	X	4.269	3.5
35	MP2C	Z	-2.465	3.5
36	MP2C	Mx	0	3.5
37	MP3A	X	2.801	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3A	Z	-1.617	3.5
39	MP3A	Mx	.001	3.5
40	MP3B	X	2.801	3.5
41	MP3B	Z	-1.617	3.5
42	MP3B	Mx	-.001	3.5
43	MP3C	X	4.269	3.5
44	MP3C	Z	-2.465	3.5
45	MP3C	Mx	0	3.5
46	MP2A	X	7.722	1.5
47	MP2A	Z	-4.458	1.5
48	MP2A	Mx	-.006	1.5
49	MP2A	X	7.722	5.5
50	MP2A	Z	-4.458	5.5
51	MP2A	Mx	-.006	5.5
52	MP2B	X	7.722	1.5
53	MP2B	Z	-4.458	1.5
54	MP2B	Mx	-.001	1.5
55	MP2B	X	7.722	5.5
56	MP2B	Z	-4.458	5.5
57	MP2B	Mx	-.001	5.5
58	MP2C	X	7.722	1.5
59	MP2C	Z	-4.458	1.5
60	MP2C	Mx	.001	1.5
61	MP2C	X	7.722	5.5
62	MP2C	Z	-4.458	5.5
63	MP2C	Mx	.001	5.5
64	MP2A	X	7.722	1.5
65	MP2A	Z	-4.458	1.5
66	MP2A	Mx	-.001	1.5
67	MP2A	X	7.722	5.5
68	MP2A	Z	-4.458	5.5
69	MP2A	Mx	-.001	5.5
70	MP2B	X	7.722	1.5
71	MP2B	Z	-4.458	1.5
72	MP2B	Mx	-.006	1.5
73	MP2B	X	7.722	5.5
74	MP2B	Z	-4.458	5.5
75	MP2B	Mx	-.006	5.5
76	MP2C	X	10.399	1.5
77	MP2C	Z	-6.004	1.5
78	MP2C	Mx	-.007	1.5
79	MP2C	X	10.399	5.5
80	MP2C	Z	-6.004	5.5
81	MP2C	Mx	-.007	5.5
82	MP1A	X	10.081	1.5
83	MP1A	Z	-5.82	1.5
84	MP1A	Mx	-.005	1.5
85	MP1A	X	10.081	5.5
86	MP1A	Z	-5.82	5.5
87	MP1A	Mx	-.005	5.5
88	MP1B	X	10.081	1.5
89	MP1B	Z	-5.82	1.5
90	MP1B	Mx	.005	1.5
91	MP1B	X	10.081	5.5
92	MP1B	Z	-5.82	5.5
93	MP1B	Mx	.005	5.5
94	MP1C	X	10.958	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP1C	Z	-6.327	1.5
96	MP1C	Mx	0	1.5
97	MP1C	X	10.958	5.5
98	MP1C	Z	-6.327	5.5
99	MP1C	Mx	0	5.5
100	MP4A	X	10.081	1.5
101	MP4A	Z	-5.82	1.5
102	MP4A	Mx	-.005	1.5
103	MP4A	X	10.081	5.5
104	MP4A	Z	-5.82	5.5
105	MP4A	Mx	-.005	5.5
106	MP4B	X	10.081	1.5
107	MP4B	Z	-5.82	1.5
108	MP4B	Mx	.005	1.5
109	MP4B	X	10.081	5.5
110	MP4B	Z	-5.82	5.5
111	MP4B	Mx	.005	5.5
112	MP4C	X	10.958	1.5
113	MP4C	Z	-6.327	1.5
114	MP4C	Mx	0	1.5
115	MP4C	X	10.958	5.5
116	MP4C	Z	-6.327	5.5
117	MP4C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.425	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	-.001	2.5
4	MP3A	X	2.425	4.5
5	MP3A	Z	0	4.5
6	MP3A	Mx	-.001	4.5
7	MP3B	X	5.253	2.5
8	MP3B	Z	0	2.5
9	MP3B	Mx	.001	2.5
10	MP3B	X	5.253	4.5
11	MP3B	Z	0	4.5
12	MP3B	Mx	.001	4.5
13	MP3C	X	5.253	2.5
14	MP3C	Z	0	2.5
15	MP3C	Mx	.001	2.5
16	MP3C	X	5.253	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	.001	4.5
19	MP2A	X	.675	2
20	MP2A	Z	0	2
21	MP2A	Mx	.000338	2
22	MP2B	X	.9	2
23	MP2B	Z	0	2
24	MP2B	Mx	-.000225	2
25	MP2C	X	.9	2
26	MP2C	Z	0	2
27	MP2C	Mx	-.000225	2
28	MP2A	X	3.295	3.5
29	MP2A	Z	0	3.5
30	MP2A	Mx	.002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2B	X	4.521	3.5
32	MP2B	Z	0	3.5
33	MP2B	Mx	-.001	3.5
34	MP2C	X	4.521	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	-.001	3.5
37	MP3A	X	2.669	3.5
38	MP3A	Z	0	3.5
39	MP3A	Mx	.001	3.5
40	MP3B	X	4.365	3.5
41	MP3B	Z	0	3.5
42	MP3B	Mx	-.001	3.5
43	MP3C	X	4.365	3.5
44	MP3C	Z	0	3.5
45	MP3C	Mx	-.001	3.5
46	MP2A	X	7.887	1.5
47	MP2A	Z	0	1.5
48	MP2A	Mx	-.004	1.5
49	MP2A	X	7.887	5.5
50	MP2A	Z	0	5.5
51	MP2A	Mx	-.004	5.5
52	MP2B	X	10.978	1.5
53	MP2B	Z	0	1.5
54	MP2B	Mx	.003	1.5
55	MP2B	X	10.978	5.5
56	MP2B	Z	0	5.5
57	MP2B	Mx	.003	5.5
58	MP2C	X	10.978	1.5
59	MP2C	Z	0	1.5
60	MP2C	Mx	-.003	1.5
61	MP2C	X	10.978	5.5
62	MP2C	Z	0	5.5
63	MP2C	Mx	-.003	5.5
64	MP2A	X	7.887	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	-.004	1.5
67	MP2A	X	7.887	5.5
68	MP2A	Z	0	5.5
69	MP2A	Mx	-.004	5.5
70	MP2B	X	10.978	1.5
71	MP2B	Z	0	1.5
72	MP2B	Mx	-.008	1.5
73	MP2B	X	10.978	5.5
74	MP2B	Z	0	5.5
75	MP2B	Mx	-.008	5.5
76	MP2C	X	10.978	1.5
77	MP2C	Z	0	1.5
78	MP2C	Mx	-.003	1.5
79	MP2C	X	10.978	5.5
80	MP2C	Z	0	5.5
81	MP2C	Mx	-.003	5.5
82	MP1A	X	11.302	1.5
83	MP1A	Z	0	1.5
84	MP1A	Mx	-.006	1.5
85	MP1A	X	11.302	5.5
86	MP1A	Z	0	5.5
87	MP1A	Mx	-.006	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP1B	X	12.316	1.5
89	MP1B	Z	0	1.5
90	MP1B	Mx	.003	1.5
91	MP1B	X	12.316	5.5
92	MP1B	Z	0	5.5
93	MP1B	Mx	.003	5.5
94	MP1C	X	12.316	1.5
95	MP1C	Z	0	1.5
96	MP1C	Mx	.003	1.5
97	MP1C	X	12.316	5.5
98	MP1C	Z	0	5.5
99	MP1C	Mx	.003	5.5
100	MP4A	X	11.302	1.5
101	MP4A	Z	0	1.5
102	MP4A	Mx	-.006	1.5
103	MP4A	X	11.302	5.5
104	MP4A	Z	0	5.5
105	MP4A	Mx	-.006	5.5
106	MP4B	X	12.316	1.5
107	MP4B	Z	0	1.5
108	MP4B	Mx	.003	1.5
109	MP4B	X	12.316	5.5
110	MP4B	Z	0	5.5
111	MP4B	Mx	.003	5.5
112	MP4C	X	12.316	1.5
113	MP4C	Z	0	1.5
114	MP4C	Mx	.003	1.5
115	MP4C	X	12.316	5.5
116	MP4C	Z	0	5.5
117	MP4C	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.917	2.5
2	MP3A	Z	1.684	2.5
3	MP3A	Mx	-.001	2.5
4	MP3A	X	2.917	4.5
5	MP3A	Z	1.684	4.5
6	MP3A	Mx	-.001	4.5
7	MP3B	X	5.365	2.5
8	MP3B	Z	3.098	2.5
9	MP3B	Mx	0	2.5
10	MP3B	X	5.365	4.5
11	MP3B	Z	3.098	4.5
12	MP3B	Mx	0	4.5
13	MP3C	X	2.917	2.5
14	MP3C	Z	1.684	2.5
15	MP3C	Mx	.001	2.5
16	MP3C	X	2.917	4.5
17	MP3C	Z	1.684	4.5
18	MP3C	Mx	.001	4.5
19	MP2A	X	.65	2
20	MP2A	Z	.375	2
21	MP2A	Mx	.000325	2
22	MP2B	X	.845	2
23	MP2B	Z	.488	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2B	Mx	0	2
25	MP2C	X	.65	2
26	MP2C	Z	.375	2
27	MP2C	Mx	-.000325	2
28	MP2A	X	3.208	3.5
29	MP2A	Z	1.852	3.5
30	MP2A	Mx	.002	3.5
31	MP2B	X	4.269	3.5
32	MP2B	Z	2.465	3.5
33	MP2B	Mx	0	3.5
34	MP2C	X	3.208	3.5
35	MP2C	Z	1.852	3.5
36	MP2C	Mx	-.002	3.5
37	MP3A	X	2.801	3.5
38	MP3A	Z	1.617	3.5
39	MP3A	Mx	.001	3.5
40	MP3B	X	4.269	3.5
41	MP3B	Z	2.465	3.5
42	MP3B	Mx	0	3.5
43	MP3C	X	2.801	3.5
44	MP3C	Z	1.617	3.5
45	MP3C	Mx	-.001	3.5
46	MP2A	X	7.722	1.5
47	MP2A	Z	4.458	1.5
48	MP2A	Mx	-.001	1.5
49	MP2A	X	7.722	5.5
50	MP2A	Z	4.458	5.5
51	MP2A	Mx	-.001	5.5
52	MP2B	X	10.399	1.5
53	MP2B	Z	6.004	1.5
54	MP2B	Mx	.007	1.5
55	MP2B	X	10.399	5.5
56	MP2B	Z	6.004	5.5
57	MP2B	Mx	.007	5.5
58	MP2C	X	10.399	1.5
59	MP2C	Z	6.004	1.5
60	MP2C	Mx	-.007	1.5
61	MP2C	X	10.399	5.5
62	MP2C	Z	6.004	5.5
63	MP2C	Mx	-.007	5.5
64	MP2A	X	7.722	1.5
65	MP2A	Z	4.458	1.5
66	MP2A	Mx	-.006	1.5
67	MP2A	X	7.722	5.5
68	MP2A	Z	4.458	5.5
69	MP2A	Mx	-.006	5.5
70	MP2B	X	10.399	1.5
71	MP2B	Z	6.004	1.5
72	MP2B	Mx	-.007	1.5
73	MP2B	X	10.399	5.5
74	MP2B	Z	6.004	5.5
75	MP2B	Mx	-.007	5.5
76	MP2C	X	7.722	1.5
77	MP2C	Z	4.458	1.5
78	MP2C	Mx	.001	1.5
79	MP2C	X	7.722	5.5
80	MP2C	Z	4.458	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2C	Mx	.001	5.5
82	MP1A	X	10.081	1.5
83	MP1A	Z	5.82	1.5
84	MP1A	Mx	-.005	1.5
85	MP1A	X	10.081	5.5
86	MP1A	Z	5.82	5.5
87	MP1A	Mx	-.005	5.5
88	MP1B	X	10.958	1.5
89	MP1B	Z	6.327	1.5
90	MP1B	Mx	0	1.5
91	MP1B	X	10.958	5.5
92	MP1B	Z	6.327	5.5
93	MP1B	Mx	0	5.5
94	MP1C	X	10.081	1.5
95	MP1C	Z	5.82	1.5
96	MP1C	Mx	.005	1.5
97	MP1C	X	10.081	5.5
98	MP1C	Z	5.82	5.5
99	MP1C	Mx	.005	5.5
100	MP4A	X	10.081	1.5
101	MP4A	Z	5.82	1.5
102	MP4A	Mx	-.005	1.5
103	MP4A	X	10.081	5.5
104	MP4A	Z	5.82	5.5
105	MP4A	Mx	-.005	5.5
106	MP4B	X	10.958	1.5
107	MP4B	Z	6.327	1.5
108	MP4B	Mx	0	1.5
109	MP4B	X	10.958	5.5
110	MP4B	Z	6.327	5.5
111	MP4B	Mx	0	5.5
112	MP4C	X	10.081	1.5
113	MP4C	Z	5.82	1.5
114	MP4C	Mx	.005	1.5
115	MP4C	X	10.081	5.5
116	MP4C	Z	5.82	5.5
117	MP4C	Mx	.005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.626	2.5
2	MP3A	Z	4.549	2.5
3	MP3A	Mx	-.001	2.5
4	MP3A	X	2.626	4.5
5	MP3A	Z	4.549	4.5
6	MP3A	Mx	-.001	4.5
7	MP3B	X	2.626	2.5
8	MP3B	Z	4.549	2.5
9	MP3B	Mx	-.001	2.5
10	MP3B	X	2.626	4.5
11	MP3B	Z	4.549	4.5
12	MP3B	Mx	-.001	4.5
13	MP3C	X	1.213	2.5
14	MP3C	Z	2.1	2.5
15	MP3C	Mx	.001	2.5
16	MP3C	X	1.213	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	2.1	4.5
18	MP3C	Mx	.001	4.5
19	MP2A	X	.45	2
20	MP2A	Z	.78	2
21	MP2A	Mx	.000225	2
22	MP2B	X	.45	2
23	MP2B	Z	.78	2
24	MP2B	Mx	.000225	2
25	MP2C	X	.337	2
26	MP2C	Z	.584	2
27	MP2C	Mx	-.000337	2
28	MP2A	X	2.261	3.5
29	MP2A	Z	3.915	3.5
30	MP2A	Mx	.001	3.5
31	MP2B	X	2.261	3.5
32	MP2B	Z	3.915	3.5
33	MP2B	Mx	.001	3.5
34	MP2C	X	1.648	3.5
35	MP2C	Z	2.854	3.5
36	MP2C	Mx	-.002	3.5
37	MP3A	X	2.182	3.5
38	MP3A	Z	3.78	3.5
39	MP3A	Mx	.001	3.5
40	MP3B	X	2.182	3.5
41	MP3B	Z	3.78	3.5
42	MP3B	Mx	.001	3.5
43	MP3C	X	1.335	3.5
44	MP3C	Z	2.312	3.5
45	MP3C	Mx	-.001	3.5
46	MP2A	X	5.489	1.5
47	MP2A	Z	9.507	1.5
48	MP2A	Mx	.003	1.5
49	MP2A	X	5.489	5.5
50	MP2A	Z	9.507	5.5
51	MP2A	Mx	.003	5.5
52	MP2B	X	5.489	1.5
53	MP2B	Z	9.507	1.5
54	MP2B	Mx	.008	1.5
55	MP2B	X	5.489	5.5
56	MP2B	Z	9.507	5.5
57	MP2B	Mx	.008	5.5
58	MP2C	X	5.489	1.5
59	MP2C	Z	9.507	1.5
60	MP2C	Mx	-.008	1.5
61	MP2C	X	5.489	5.5
62	MP2C	Z	9.507	5.5
63	MP2C	Mx	-.008	5.5
64	MP2A	X	5.489	1.5
65	MP2A	Z	9.507	1.5
66	MP2A	Mx	-.008	1.5
67	MP2A	X	5.489	5.5
68	MP2A	Z	9.507	5.5
69	MP2A	Mx	-.008	5.5
70	MP2B	X	5.489	1.5
71	MP2B	Z	9.507	1.5
72	MP2B	Mx	-.003	1.5
73	MP2B	X	5.489	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2B	Z	9.507	5.5
75	MP2B	Mx	-.003	5.5
76	MP2C	X	3.943	1.5
77	MP2C	Z	6.83	1.5
78	MP2C	Mx	.004	1.5
79	MP2C	X	3.943	5.5
80	MP2C	Z	6.83	5.5
81	MP2C	Mx	.004	5.5
82	MP1A	X	6.158	1.5
83	MP1A	Z	10.666	1.5
84	MP1A	Mx	-.003	1.5
85	MP1A	X	6.158	5.5
86	MP1A	Z	10.666	5.5
87	MP1A	Mx	-.003	5.5
88	MP1B	X	6.158	1.5
89	MP1B	Z	10.666	1.5
90	MP1B	Mx	-.003	1.5
91	MP1B	X	6.158	5.5
92	MP1B	Z	10.666	5.5
93	MP1B	Mx	-.003	5.5
94	MP1C	X	5.651	1.5
95	MP1C	Z	9.788	1.5
96	MP1C	Mx	.006	1.5
97	MP1C	X	5.651	5.5
98	MP1C	Z	9.788	5.5
99	MP1C	Mx	.006	5.5
100	MP4A	X	6.158	1.5
101	MP4A	Z	10.666	1.5
102	MP4A	Mx	-.003	1.5
103	MP4A	X	6.158	5.5
104	MP4A	Z	10.666	5.5
105	MP4A	Mx	-.003	5.5
106	MP4B	X	6.158	1.5
107	MP4B	Z	10.666	1.5
108	MP4B	Mx	-.003	1.5
109	MP4B	X	6.158	5.5
110	MP4B	Z	10.666	5.5
111	MP4B	Mx	-.003	5.5
112	MP4C	X	5.651	1.5
113	MP4C	Z	9.788	1.5
114	MP4C	Mx	.006	1.5
115	MP4C	X	5.651	5.5
116	MP4C	Z	9.788	5.5
117	MP4C	Mx	.006	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	6.195	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4.5
5	MP3A	Z	6.195	4.5
6	MP3A	Mx	0	4.5
7	MP3B	X	0	2.5
8	MP3B	Z	3.368	2.5
9	MP3B	Mx	-.001	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP3B	X	0	4.5
11	MP3B	Z	3.368	4.5
12	MP3B	Mx	-.001	4.5
13	MP3C	X	0	2.5
14	MP3C	Z	3.368	2.5
15	MP3C	Mx	.001	2.5
16	MP3C	X	0	4.5
17	MP3C	Z	3.368	4.5
18	MP3C	Mx	.001	4.5
19	MP2A	X	0	2
20	MP2A	Z	.975	2
21	MP2A	Mx	0	2
22	MP2B	X	0	2
23	MP2B	Z	.75	2
24	MP2B	Mx	.000325	2
25	MP2C	X	0	2
26	MP2C	Z	.75	2
27	MP2C	Mx	-.000325	2
28	MP2A	X	0	3.5
29	MP2A	Z	4.93	3.5
30	MP2A	Mx	0	3.5
31	MP2B	X	0	3.5
32	MP2B	Z	3.704	3.5
33	MP2B	Mx	.002	3.5
34	MP2C	X	0	3.5
35	MP2C	Z	3.704	3.5
36	MP2C	Mx	-.002	3.5
37	MP3A	X	0	3.5
38	MP3A	Z	4.93	3.5
39	MP3A	Mx	0	3.5
40	MP3B	X	0	3.5
41	MP3B	Z	3.234	3.5
42	MP3B	Mx	.001	3.5
43	MP3C	X	0	3.5
44	MP3C	Z	3.234	3.5
45	MP3C	Mx	-.001	3.5
46	MP2A	X	0	1.5
47	MP2A	Z	12.008	1.5
48	MP2A	Mx	.007	1.5
49	MP2A	X	0	5.5
50	MP2A	Z	12.008	5.5
51	MP2A	Mx	.007	5.5
52	MP2B	X	0	1.5
53	MP2B	Z	8.917	1.5
54	MP2B	Mx	.006	1.5
55	MP2B	X	0	5.5
56	MP2B	Z	8.917	5.5
57	MP2B	Mx	.006	5.5
58	MP2C	X	0	1.5
59	MP2C	Z	8.917	1.5
60	MP2C	Mx	-.006	1.5
61	MP2C	X	0	5.5
62	MP2C	Z	8.917	5.5
63	MP2C	Mx	-.006	5.5
64	MP2A	X	0	1.5
65	MP2A	Z	12.008	1.5
66	MP2A	Mx	-.007	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP2A	X	0	5.5
68	MP2A	Z	12.008	5.5
69	MP2A	Mx	-.007	5.5
70	MP2B	X	0	1.5
71	MP2B	Z	8.917	1.5
72	MP2B	Mx	.001	1.5
73	MP2B	X	0	5.5
74	MP2B	Z	8.917	5.5
75	MP2B	Mx	.001	5.5
76	MP2C	X	0	1.5
77	MP2C	Z	8.917	1.5
78	MP2C	Mx	.006	1.5
79	MP2C	X	0	5.5
80	MP2C	Z	8.917	5.5
81	MP2C	Mx	.006	5.5
82	MP1A	X	0	1.5
83	MP1A	Z	12.654	1.5
84	MP1A	Mx	0	1.5
85	MP1A	X	0	5.5
86	MP1A	Z	12.654	5.5
87	MP1A	Mx	0	5.5
88	MP1B	X	0	1.5
89	MP1B	Z	11.64	1.5
90	MP1B	Mx	-.005	1.5
91	MP1B	X	0	5.5
92	MP1B	Z	11.64	5.5
93	MP1B	Mx	-.005	5.5
94	MP1C	X	0	1.5
95	MP1C	Z	11.64	1.5
96	MP1C	Mx	.005	1.5
97	MP1C	X	0	5.5
98	MP1C	Z	11.64	5.5
99	MP1C	Mx	.005	5.5
100	MP4A	X	0	1.5
101	MP4A	Z	12.654	1.5
102	MP4A	Mx	0	1.5
103	MP4A	X	0	5.5
104	MP4A	Z	12.654	5.5
105	MP4A	Mx	0	5.5
106	MP4B	X	0	1.5
107	MP4B	Z	11.64	1.5
108	MP4B	Mx	-.005	1.5
109	MP4B	X	0	5.5
110	MP4B	Z	11.64	5.5
111	MP4B	Mx	-.005	5.5
112	MP4C	X	0	1.5
113	MP4C	Z	11.64	1.5
114	MP4C	Mx	.005	1.5
115	MP4C	X	0	5.5
116	MP4C	Z	11.64	5.5
117	MP4C	Mx	.005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.626	2.5
2	MP3A	Z	4.549	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP3A	Mx	.001	2.5
4	MP3A	X	-2.626	4.5
5	MP3A	Z	4.549	4.5
6	MP3A	Mx	.001	4.5
7	MP3B	X	-1.213	2.5
8	MP3B	Z	2.1	2.5
9	MP3B	Mx	-.001	2.5
10	MP3B	X	-1.213	4.5
11	MP3B	Z	2.1	4.5
12	MP3B	Mx	-.001	4.5
13	MP3C	X	-2.626	2.5
14	MP3C	Z	4.549	2.5
15	MP3C	Mx	.001	2.5
16	MP3C	X	-2.626	4.5
17	MP3C	Z	4.549	4.5
18	MP3C	Mx	.001	4.5
19	MP2A	X	-.45	2
20	MP2A	Z	.78	2
21	MP2A	Mx	-.000225	2
22	MP2B	X	-.337	2
23	MP2B	Z	.584	2
24	MP2B	Mx	.000337	2
25	MP2C	X	-.45	2
26	MP2C	Z	.78	2
27	MP2C	Mx	-.000225	2
28	MP2A	X	-2.261	3.5
29	MP2A	Z	3.915	3.5
30	MP2A	Mx	-.001	3.5
31	MP2B	X	-1.648	3.5
32	MP2B	Z	2.854	3.5
33	MP2B	Mx	.002	3.5
34	MP2C	X	-2.261	3.5
35	MP2C	Z	3.915	3.5
36	MP2C	Mx	-.001	3.5
37	MP3A	X	-2.182	3.5
38	MP3A	Z	3.78	3.5
39	MP3A	Mx	-.001	3.5
40	MP3B	X	-1.335	3.5
41	MP3B	Z	2.312	3.5
42	MP3B	Mx	.001	3.5
43	MP3C	X	-2.182	3.5
44	MP3C	Z	3.78	3.5
45	MP3C	Mx	-.001	3.5
46	MP2A	X	-5.489	1.5
47	MP2A	Z	9.507	1.5
48	MP2A	Mx	.008	1.5
49	MP2A	X	-5.489	5.5
50	MP2A	Z	9.507	5.5
51	MP2A	Mx	.008	5.5
52	MP2B	X	-3.943	1.5
53	MP2B	Z	6.83	1.5
54	MP2B	Mx	.004	1.5
55	MP2B	X	-3.943	5.5
56	MP2B	Z	6.83	5.5
57	MP2B	Mx	.004	5.5
58	MP2C	X	-3.943	1.5
59	MP2C	Z	6.83	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2C	Mx	-.004	1.5
61	MP2C	X	-3.943	5.5
62	MP2C	Z	6.83	5.5
63	MP2C	Mx	-.004	5.5
64	MP2A	X	-5.489	1.5
65	MP2A	Z	9.507	1.5
66	MP2A	Mx	-.003	1.5
67	MP2A	X	-5.489	5.5
68	MP2A	Z	9.507	5.5
69	MP2A	Mx	-.003	5.5
70	MP2B	X	-3.943	1.5
71	MP2B	Z	6.83	1.5
72	MP2B	Mx	.004	1.5
73	MP2B	X	-3.943	5.5
74	MP2B	Z	6.83	5.5
75	MP2B	Mx	.004	5.5
76	MP2C	X	-5.489	1.5
77	MP2C	Z	9.507	1.5
78	MP2C	Mx	.008	1.5
79	MP2C	X	-5.489	5.5
80	MP2C	Z	9.507	5.5
81	MP2C	Mx	.008	5.5
82	MP1A	X	-6.158	1.5
83	MP1A	Z	10.666	1.5
84	MP1A	Mx	.003	1.5
85	MP1A	X	-6.158	5.5
86	MP1A	Z	10.666	5.5
87	MP1A	Mx	.003	5.5
88	MP1B	X	-5.651	1.5
89	MP1B	Z	9.788	1.5
90	MP1B	Mx	-.006	1.5
91	MP1B	X	-5.651	5.5
92	MP1B	Z	9.788	5.5
93	MP1B	Mx	-.006	5.5
94	MP1C	X	-6.158	1.5
95	MP1C	Z	10.666	1.5
96	MP1C	Mx	.003	1.5
97	MP1C	X	-6.158	5.5
98	MP1C	Z	10.666	5.5
99	MP1C	Mx	.003	5.5
100	MP4A	X	-6.158	1.5
101	MP4A	Z	10.666	1.5
102	MP4A	Mx	.003	1.5
103	MP4A	X	-6.158	5.5
104	MP4A	Z	10.666	5.5
105	MP4A	Mx	.003	5.5
106	MP4B	X	-5.651	1.5
107	MP4B	Z	9.788	1.5
108	MP4B	Mx	-.006	1.5
109	MP4B	X	-5.651	5.5
110	MP4B	Z	9.788	5.5
111	MP4B	Mx	-.006	5.5
112	MP4C	X	-6.158	1.5
113	MP4C	Z	10.666	1.5
114	MP4C	Mx	.003	1.5
115	MP4C	X	-6.158	5.5
116	MP4C	Z	10.666	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP4C	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.917	2.5
2	MP3A	Z	1.684	2.5
3	MP3A	Mx	.001	2.5
4	MP3A	X	-2.917	4.5
5	MP3A	Z	1.684	4.5
6	MP3A	Mx	.001	4.5
7	MP3B	X	-2.917	2.5
8	MP3B	Z	1.684	2.5
9	MP3B	Mx	-.001	2.5
10	MP3B	X	-2.917	4.5
11	MP3B	Z	1.684	4.5
12	MP3B	Mx	-.001	4.5
13	MP3C	X	-5.365	2.5
14	MP3C	Z	3.098	2.5
15	MP3C	Mx	0	2.5
16	MP3C	X	-5.365	4.5
17	MP3C	Z	3.098	4.5
18	MP3C	Mx	0	4.5
19	MP2A	X	-.65	2
20	MP2A	Z	.375	2
21	MP2A	Mx	-.000325	2
22	MP2B	X	-.65	2
23	MP2B	Z	.375	2
24	MP2B	Mx	.000325	2
25	MP2C	X	-.845	2
26	MP2C	Z	.488	2
27	MP2C	Mx	0	2
28	MP2A	X	-3.208	3.5
29	MP2A	Z	1.852	3.5
30	MP2A	Mx	-.002	3.5
31	MP2B	X	-3.208	3.5
32	MP2B	Z	1.852	3.5
33	MP2B	Mx	.002	3.5
34	MP2C	X	-4.269	3.5
35	MP2C	Z	2.465	3.5
36	MP2C	Mx	0	3.5
37	MP3A	X	-2.801	3.5
38	MP3A	Z	1.617	3.5
39	MP3A	Mx	-.001	3.5
40	MP3B	X	-2.801	3.5
41	MP3B	Z	1.617	3.5
42	MP3B	Mx	.001	3.5
43	MP3C	X	-4.269	3.5
44	MP3C	Z	2.465	3.5
45	MP3C	Mx	0	3.5
46	MP2A	X	-7.722	1.5
47	MP2A	Z	4.458	1.5
48	MP2A	Mx	.006	1.5
49	MP2A	X	-7.722	5.5
50	MP2A	Z	4.458	5.5
51	MP2A	Mx	.006	5.5
52	MP2B	X	-7.722	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	4.458	1.5
54	MP2B	Mx	.001	1.5
55	MP2B	X	-7.722	5.5
56	MP2B	Z	4.458	5.5
57	MP2B	Mx	.001	5.5
58	MP2C	X	-7.722	1.5
59	MP2C	Z	4.458	1.5
60	MP2C	Mx	-.001	1.5
61	MP2C	X	-7.722	5.5
62	MP2C	Z	4.458	5.5
63	MP2C	Mx	-.001	5.5
64	MP2A	X	-7.722	1.5
65	MP2A	Z	4.458	1.5
66	MP2A	Mx	.001	1.5
67	MP2A	X	-7.722	5.5
68	MP2A	Z	4.458	5.5
69	MP2A	Mx	.001	5.5
70	MP2B	X	-7.722	1.5
71	MP2B	Z	4.458	1.5
72	MP2B	Mx	.006	1.5
73	MP2B	X	-7.722	5.5
74	MP2B	Z	4.458	5.5
75	MP2B	Mx	.006	5.5
76	MP2C	X	-10.399	1.5
77	MP2C	Z	6.004	1.5
78	MP2C	Mx	.007	1.5
79	MP2C	X	-10.399	5.5
80	MP2C	Z	6.004	5.5
81	MP2C	Mx	.007	5.5
82	MP1A	X	-10.081	1.5
83	MP1A	Z	5.82	1.5
84	MP1A	Mx	.005	1.5
85	MP1A	X	-10.081	5.5
86	MP1A	Z	5.82	5.5
87	MP1A	Mx	.005	5.5
88	MP1B	X	-10.081	1.5
89	MP1B	Z	5.82	1.5
90	MP1B	Mx	-.005	1.5
91	MP1B	X	-10.081	5.5
92	MP1B	Z	5.82	5.5
93	MP1B	Mx	-.005	5.5
94	MP1C	X	-10.958	1.5
95	MP1C	Z	6.327	1.5
96	MP1C	Mx	0	1.5
97	MP1C	X	-10.958	5.5
98	MP1C	Z	6.327	5.5
99	MP1C	Mx	0	5.5
100	MP4A	X	-10.081	1.5
101	MP4A	Z	5.82	1.5
102	MP4A	Mx	.005	1.5
103	MP4A	X	-10.081	5.5
104	MP4A	Z	5.82	5.5
105	MP4A	Mx	.005	5.5
106	MP4B	X	-10.081	1.5
107	MP4B	Z	5.82	1.5
108	MP4B	Mx	-.005	1.5
109	MP4B	X	-10.081	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP4B	Z	5.82	5.5
111	MP4B	Mx	-.005	5.5
112	MP4C	X	-10.958	1.5
113	MP4C	Z	6.327	1.5
114	MP4C	Mx	0	1.5
115	MP4C	X	-10.958	5.5
116	MP4C	Z	6.327	5.5
117	MP4C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.425	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	.001	2.5
4	MP3A	X	-2.425	4.5
5	MP3A	Z	0	4.5
6	MP3A	Mx	.001	4.5
7	MP3B	X	-5.253	2.5
8	MP3B	Z	0	2.5
9	MP3B	Mx	-.001	2.5
10	MP3B	X	-5.253	4.5
11	MP3B	Z	0	4.5
12	MP3B	Mx	-.001	4.5
13	MP3C	X	-5.253	2.5
14	MP3C	Z	0	2.5
15	MP3C	Mx	-.001	2.5
16	MP3C	X	-5.253	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	-.001	4.5
19	MP2A	X	-.675	2
20	MP2A	Z	0	2
21	MP2A	Mx	-.000338	2
22	MP2B	X	-.9	2
23	MP2B	Z	0	2
24	MP2B	Mx	.000225	2
25	MP2C	X	-.9	2
26	MP2C	Z	0	2
27	MP2C	Mx	.000225	2
28	MP2A	X	-3.295	3.5
29	MP2A	Z	0	3.5
30	MP2A	Mx	-.002	3.5
31	MP2B	X	-4.521	3.5
32	MP2B	Z	0	3.5
33	MP2B	Mx	.001	3.5
34	MP2C	X	-4.521	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	.001	3.5
37	MP3A	X	-2.669	3.5
38	MP3A	Z	0	3.5
39	MP3A	Mx	-.001	3.5
40	MP3B	X	-4.365	3.5
41	MP3B	Z	0	3.5
42	MP3B	Mx	.001	3.5
43	MP3C	X	-4.365	3.5
44	MP3C	Z	0	3.5
45	MP3C	Mx	.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2A	X	-7.887	1.5
47	MP2A	Z	0	1.5
48	MP2A	Mx	.004	1.5
49	MP2A	X	-7.887	5.5
50	MP2A	Z	0	5.5
51	MP2A	Mx	.004	5.5
52	MP2B	X	-10.978	1.5
53	MP2B	Z	0	1.5
54	MP2B	Mx	-.003	1.5
55	MP2B	X	-10.978	5.5
56	MP2B	Z	0	5.5
57	MP2B	Mx	-.003	5.5
58	MP2C	X	-10.978	1.5
59	MP2C	Z	0	1.5
60	MP2C	Mx	.003	1.5
61	MP2C	X	-10.978	5.5
62	MP2C	Z	0	5.5
63	MP2C	Mx	.003	5.5
64	MP2A	X	-7.887	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	.004	1.5
67	MP2A	X	-7.887	5.5
68	MP2A	Z	0	5.5
69	MP2A	Mx	.004	5.5
70	MP2B	X	-10.978	1.5
71	MP2B	Z	0	1.5
72	MP2B	Mx	.008	1.5
73	MP2B	X	-10.978	5.5
74	MP2B	Z	0	5.5
75	MP2B	Mx	.008	5.5
76	MP2C	X	-10.978	1.5
77	MP2C	Z	0	1.5
78	MP2C	Mx	.003	1.5
79	MP2C	X	-10.978	5.5
80	MP2C	Z	0	5.5
81	MP2C	Mx	.003	5.5
82	MP1A	X	-11.302	1.5
83	MP1A	Z	0	1.5
84	MP1A	Mx	.006	1.5
85	MP1A	X	-11.302	5.5
86	MP1A	Z	0	5.5
87	MP1A	Mx	.006	5.5
88	MP1B	X	-12.316	1.5
89	MP1B	Z	0	1.5
90	MP1B	Mx	-.003	1.5
91	MP1B	X	-12.316	5.5
92	MP1B	Z	0	5.5
93	MP1B	Mx	-.003	5.5
94	MP1C	X	-12.316	1.5
95	MP1C	Z	0	1.5
96	MP1C	Mx	-.003	1.5
97	MP1C	X	-12.316	5.5
98	MP1C	Z	0	5.5
99	MP1C	Mx	-.003	5.5
100	MP4A	X	-11.302	1.5
101	MP4A	Z	0	1.5
102	MP4A	Mx	.006	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP4A	X	-11.302	5.5
104	MP4A	Z	0	5.5
105	MP4A	Mx	.006	5.5
106	MP4B	X	-12.316	1.5
107	MP4B	Z	0	1.5
108	MP4B	Mx	-.003	1.5
109	MP4B	X	-12.316	5.5
110	MP4B	Z	0	5.5
111	MP4B	Mx	-.003	5.5
112	MP4C	X	-12.316	1.5
113	MP4C	Z	0	1.5
114	MP4C	Mx	-.003	1.5
115	MP4C	X	-12.316	5.5
116	MP4C	Z	0	5.5
117	MP4C	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.917	2.5
2	MP3A	Z	-1.684	2.5
3	MP3A	Mx	.001	2.5
4	MP3A	X	-2.917	4.5
5	MP3A	Z	-1.684	4.5
6	MP3A	Mx	.001	4.5
7	MP3B	X	-5.365	2.5
8	MP3B	Z	-3.098	2.5
9	MP3B	Mx	0	2.5
10	MP3B	X	-5.365	4.5
11	MP3B	Z	-3.098	4.5
12	MP3B	Mx	0	4.5
13	MP3C	X	-2.917	2.5
14	MP3C	Z	-1.684	2.5
15	MP3C	Mx	-.001	2.5
16	MP3C	X	-2.917	4.5
17	MP3C	Z	-1.684	4.5
18	MP3C	Mx	-.001	4.5
19	MP2A	X	-.65	2
20	MP2A	Z	-.375	2
21	MP2A	Mx	-.000325	2
22	MP2B	X	-.845	2
23	MP2B	Z	-.488	2
24	MP2B	Mx	0	2
25	MP2C	X	-.65	2
26	MP2C	Z	-.375	2
27	MP2C	Mx	.000325	2
28	MP2A	X	-3.208	3.5
29	MP2A	Z	-1.852	3.5
30	MP2A	Mx	-.002	3.5
31	MP2B	X	-4.269	3.5
32	MP2B	Z	-2.465	3.5
33	MP2B	Mx	0	3.5
34	MP2C	X	-3.208	3.5
35	MP2C	Z	-1.852	3.5
36	MP2C	Mx	.002	3.5
37	MP3A	X	-2.801	3.5
38	MP3A	Z	-1.617	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3A	Mx	-.001	3.5
40	MP3B	X	-4.269	3.5
41	MP3B	Z	-2.465	3.5
42	MP3B	Mx	0	3.5
43	MP3C	X	-2.801	3.5
44	MP3C	Z	-1.617	3.5
45	MP3C	Mx	.001	3.5
46	MP2A	X	-7.722	1.5
47	MP2A	Z	-4.458	1.5
48	MP2A	Mx	.001	1.5
49	MP2A	X	-7.722	5.5
50	MP2A	Z	-4.458	5.5
51	MP2A	Mx	.001	5.5
52	MP2B	X	-10.399	1.5
53	MP2B	Z	-6.004	1.5
54	MP2B	Mx	-.007	1.5
55	MP2B	X	-10.399	5.5
56	MP2B	Z	-6.004	5.5
57	MP2B	Mx	-.007	5.5
58	MP2C	X	-10.399	1.5
59	MP2C	Z	-6.004	1.5
60	MP2C	Mx	.007	1.5
61	MP2C	X	-10.399	5.5
62	MP2C	Z	-6.004	5.5
63	MP2C	Mx	.007	5.5
64	MP2A	X	-7.722	1.5
65	MP2A	Z	-4.458	1.5
66	MP2A	Mx	.006	1.5
67	MP2A	X	-7.722	5.5
68	MP2A	Z	-4.458	5.5
69	MP2A	Mx	.006	5.5
70	MP2B	X	-10.399	1.5
71	MP2B	Z	-6.004	1.5
72	MP2B	Mx	.007	1.5
73	MP2B	X	-10.399	5.5
74	MP2B	Z	-6.004	5.5
75	MP2B	Mx	.007	5.5
76	MP2C	X	-7.722	1.5
77	MP2C	Z	-4.458	1.5
78	MP2C	Mx	-.001	1.5
79	MP2C	X	-7.722	5.5
80	MP2C	Z	-4.458	5.5
81	MP2C	Mx	-.001	5.5
82	MP1A	X	-10.081	1.5
83	MP1A	Z	-5.82	1.5
84	MP1A	Mx	.005	1.5
85	MP1A	X	-10.081	5.5
86	MP1A	Z	-5.82	5.5
87	MP1A	Mx	.005	5.5
88	MP1B	X	-10.958	1.5
89	MP1B	Z	-6.327	1.5
90	MP1B	Mx	0	1.5
91	MP1B	X	-10.958	5.5
92	MP1B	Z	-6.327	5.5
93	MP1B	Mx	0	5.5
94	MP1C	X	-10.081	1.5
95	MP1C	Z	-5.82	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP1C	Mx	-.005	1.5
97	MP1C	X	-10.081	5.5
98	MP1C	Z	-5.82	5.5
99	MP1C	Mx	-.005	5.5
100	MP4A	X	-10.081	1.5
101	MP4A	Z	-5.82	1.5
102	MP4A	Mx	.005	1.5
103	MP4A	X	-10.081	5.5
104	MP4A	Z	-5.82	5.5
105	MP4A	Mx	.005	5.5
106	MP4B	X	-10.958	1.5
107	MP4B	Z	-6.327	1.5
108	MP4B	Mx	0	1.5
109	MP4B	X	-10.958	5.5
110	MP4B	Z	-6.327	5.5
111	MP4B	Mx	0	5.5
112	MP4C	X	-10.081	1.5
113	MP4C	Z	-5.82	1.5
114	MP4C	Mx	-.005	1.5
115	MP4C	X	-10.081	5.5
116	MP4C	Z	-5.82	5.5
117	MP4C	Mx	-.005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.626	2.5
2	MP3A	Z	-4.549	2.5
3	MP3A	Mx	.001	2.5
4	MP3A	X	-2.626	4.5
5	MP3A	Z	-4.549	4.5
6	MP3A	Mx	.001	4.5
7	MP3B	X	-2.626	2.5
8	MP3B	Z	-4.549	2.5
9	MP3B	Mx	.001	2.5
10	MP3B	X	-2.626	4.5
11	MP3B	Z	-4.549	4.5
12	MP3B	Mx	.001	4.5
13	MP3C	X	-1.213	2.5
14	MP3C	Z	-2.1	2.5
15	MP3C	Mx	-.001	2.5
16	MP3C	X	-1.213	4.5
17	MP3C	Z	-2.1	4.5
18	MP3C	Mx	-.001	4.5
19	MP2A	X	-.45	2
20	MP2A	Z	-.78	2
21	MP2A	Mx	-.000225	2
22	MP2B	X	-.45	2
23	MP2B	Z	-.78	2
24	MP2B	Mx	-.000225	2
25	MP2C	X	-.337	2
26	MP2C	Z	-.584	2
27	MP2C	Mx	.000337	2
28	MP2A	X	-2.261	3.5
29	MP2A	Z	-3.915	3.5
30	MP2A	Mx	-.001	3.5
31	MP2B	X	-2.261	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2B	Z	-3.915	3.5
33	MP2B	Mx	-.001	3.5
34	MP2C	X	-1.648	3.5
35	MP2C	Z	-2.854	3.5
36	MP2C	Mx	.002	3.5
37	MP3A	X	-2.182	3.5
38	MP3A	Z	-3.78	3.5
39	MP3A	Mx	-.001	3.5
40	MP3B	X	-2.182	3.5
41	MP3B	Z	-3.78	3.5
42	MP3B	Mx	-.001	3.5
43	MP3C	X	-1.335	3.5
44	MP3C	Z	-2.312	3.5
45	MP3C	Mx	.001	3.5
46	MP2A	X	-5.489	1.5
47	MP2A	Z	-9.507	1.5
48	MP2A	Mx	-.003	1.5
49	MP2A	X	-5.489	5.5
50	MP2A	Z	-9.507	5.5
51	MP2A	Mx	-.003	5.5
52	MP2B	X	-5.489	1.5
53	MP2B	Z	-9.507	1.5
54	MP2B	Mx	-.008	1.5
55	MP2B	X	-5.489	5.5
56	MP2B	Z	-9.507	5.5
57	MP2B	Mx	-.008	5.5
58	MP2C	X	-5.489	1.5
59	MP2C	Z	-9.507	1.5
60	MP2C	Mx	.008	1.5
61	MP2C	X	-5.489	5.5
62	MP2C	Z	-9.507	5.5
63	MP2C	Mx	.008	5.5
64	MP2A	X	-5.489	1.5
65	MP2A	Z	-9.507	1.5
66	MP2A	Mx	.008	1.5
67	MP2A	X	-5.489	5.5
68	MP2A	Z	-9.507	5.5
69	MP2A	Mx	.008	5.5
70	MP2B	X	-5.489	1.5
71	MP2B	Z	-9.507	1.5
72	MP2B	Mx	.003	1.5
73	MP2B	X	-5.489	5.5
74	MP2B	Z	-9.507	5.5
75	MP2B	Mx	.003	5.5
76	MP2C	X	-3.943	1.5
77	MP2C	Z	-6.83	1.5
78	MP2C	Mx	-.004	1.5
79	MP2C	X	-3.943	5.5
80	MP2C	Z	-6.83	5.5
81	MP2C	Mx	-.004	5.5
82	MP1A	X	-6.158	1.5
83	MP1A	Z	-10.666	1.5
84	MP1A	Mx	.003	1.5
85	MP1A	X	-6.158	5.5
86	MP1A	Z	-10.666	5.5
87	MP1A	Mx	.003	5.5
88	MP1B	X	-6.158	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1B	Z	-10.666	1.5
90	MP1B	Mx	.003	1.5
91	MP1B	X	-6.158	5.5
92	MP1B	Z	-10.666	5.5
93	MP1B	Mx	.003	5.5
94	MP1C	X	-5.651	1.5
95	MP1C	Z	-9.788	1.5
96	MP1C	Mx	-.006	1.5
97	MP1C	X	-5.651	5.5
98	MP1C	Z	-9.788	5.5
99	MP1C	Mx	-.006	5.5
100	MP4A	X	-6.158	1.5
101	MP4A	Z	-10.666	1.5
102	MP4A	Mx	.003	1.5
103	MP4A	X	-6.158	5.5
104	MP4A	Z	-10.666	5.5
105	MP4A	Mx	.003	5.5
106	MP4B	X	-6.158	1.5
107	MP4B	Z	-10.666	1.5
108	MP4B	Mx	.003	1.5
109	MP4B	X	-6.158	5.5
110	MP4B	Z	-10.666	5.5
111	MP4B	Mx	.003	5.5
112	MP4C	X	-5.651	1.5
113	MP4C	Z	-9.788	1.5
114	MP4C	Mx	-.006	1.5
115	MP4C	X	-5.651	5.5
116	MP4C	Z	-9.788	5.5
117	MP4C	Mx	-.006	5.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M21	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M22	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-6.608	-6.608	0	%100
2	M4	Y	-9.666	-9.666	0	%100
3	M10	Y	-9.666	-9.666	0	%100
4	MP3A	Y	-5.013	-5.013	0	%100
5	MP4A	Y	-5.013	-5.013	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
6	MP2A	Y	-5.013	-5.013	0	%100
7	MP1A	Y	-5.013	-5.013	0	%100
8	M43	Y	-9.666	-9.666	0	%100
9	M46	Y	-10.182	-10.182	0	%100
10	M51B	Y	-5.656	-5.656	0	%100
11	M52B	Y	-5.656	-5.656	0	%100
12	M76	Y	-10.169	-10.169	0	%100
13	M77	Y	-10.169	-10.169	0	%100
14	M80	Y	-10.182	-10.182	0	%100
15	M84	Y	-10.169	-10.169	0	%100
16	M85	Y	-10.169	-10.169	0	%100
17	M91	Y	-10.182	-10.182	0	%100
18	M34	Y	-6.608	-6.608	0	%100
19	M43A	Y	-6.608	-6.608	0	%100
20	M52A	Y	-9.666	-9.666	0	%100
21	M53	Y	-9.666	-9.666	0	%100
22	M54	Y	-9.666	-9.666	0	%100
23	M55	Y	-10.182	-10.182	0	%100
24	M58A	Y	-5.656	-5.656	0	%100
25	M59A	Y	-5.656	-5.656	0	%100
26	M63	Y	-10.169	-10.169	0	%100
27	M64	Y	-10.169	-10.169	0	%100
28	M66	Y	-10.182	-10.182	0	%100
29	M68	Y	-10.169	-10.169	0	%100
30	M69	Y	-10.169	-10.169	0	%100
31	M71	Y	-10.182	-10.182	0	%100
32	M76A	Y	-9.666	-9.666	0	%100
33	M77A	Y	-9.666	-9.666	0	%100
34	M78	Y	-9.666	-9.666	0	%100
35	M79A	Y	-10.182	-10.182	0	%100
36	M82	Y	-5.656	-5.656	0	%100
37	M83A	Y	-5.656	-5.656	0	%100
38	M87	Y	-10.169	-10.169	0	%100
39	M88A	Y	-10.169	-10.169	0	%100
40	M90	Y	-10.182	-10.182	0	%100
41	M92A	Y	-10.169	-10.169	0	%100
42	M93	Y	-10.169	-10.169	0	%100
43	M95	Y	-10.182	-10.182	0	%100
44	M84B	Y	-5.013	-5.013	0	%100
45	M89A	Y	-5.013	-5.013	0	%100
46	M94A	Y	-5.013	-5.013	0	%100
47	MP3C	Y	-5.013	-5.013	0	%100
48	MP4C	Y	-5.013	-5.013	0	%100
49	MP2C	Y	-5.013	-5.013	0	%100
50	MP1C	Y	-5.013	-5.013	0	%100
51	MP3B	Y	-5.013	-5.013	0	%100
52	MP4B	Y	-5.013	-5.013	0	%100
53	MP2B	Y	-5.013	-5.013	0	%100
54	MP1B	Y	-5.013	-5.013	0	%100
55	M109	Y	-6.658	-6.658	0	%100
56	M112	Y	-6.658	-6.658	0	%100
57	M115	Y	-6.658	-6.658	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
2	M1	Z	-13.864	-13.864	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-13.109	-13.109	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-9.523	-9.523	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-9.523	-9.523	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-9.523	-9.523	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-9.523	-9.523	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-13.109	-13.109	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-24.058	-24.058	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-3.34	-3.34	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-3.34	-3.34	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-6.126	-6.126	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-6.452	-6.452	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-6.126	-6.126	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-6.452	-6.452	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	-3.466	-3.466	0	%100
37	M43A	X	0	0	0	%100
38	M43A	Z	-3.466	-3.466	0	%100
39	M52A	X	0	0	0	%100
40	M52A	Z	-11.687	-11.687	0	%100
41	M53	X	0	0	0	%100
42	M53	Z	-3.277	-3.277	0	%100
43	M54	X	0	0	0	%100
44	M54	Z	-3.277	-3.277	0	%100
45	M55	X	0	0	0	%100
46	M55	Z	-6.014	-6.014	0	%100
47	M58A	X	0	0	0	%100
48	M58A	Z	-3.34	-3.34	0	%100
49	M59A	X	0	0	0	%100
50	M59A	Z	-13.359	-13.359	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	-18.043	-18.043	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	-6.126	-6.126	0	%100
55	M66	X	0	0	0	%100
56	M66	Z	-6.452	-6.452	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	-18.043	-18.043	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
59	M69	X	0	0	0	%100
60	M69	Z	-24.503	-24.503	0	%100
61	M71	X	0	0	0	%100
62	M71	Z	-25.809	-25.809	0	%100
63	M76A	X	0	0	0	%100
64	M76A	Z	-11.687	-11.687	0	%100
65	M77A	X	0	0	0	%100
66	M77A	Z	-3.277	-3.277	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	-3.277	-3.277	0	%100
69	M79A	X	0	0	0	%100
70	M79A	Z	-6.014	-6.014	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	-13.359	-13.359	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	-3.34	-3.34	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	-18.043	-18.043	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	-24.503	-24.503	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	-25.809	-25.809	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	-18.043	-18.043	0	%100
83	M93	X	0	0	0	%100
84	M93	Z	-6.126	-6.126	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	-6.452	-6.452	0	%100
87	M84B	X	0	0	0	%100
88	M84B	Z	-9.523	-9.523	0	%100
89	M89A	X	0	0	0	%100
90	M89A	Z	-2.381	-2.381	0	%100
91	M94A	X	0	0	0	%100
92	M94A	Z	-2.381	-2.381	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-9.523	-9.523	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	-9.523	-9.523	0	%100
97	MP2C	X	0	0	0	%100
98	MP2C	Z	-9.523	-9.523	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-9.523	-9.523	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	-9.523	-9.523	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-9.523	-9.523	0	%100
105	MP2B	X	0	0	0	%100
106	MP2B	Z	-9.523	-9.523	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	-9.523	-9.523	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	-10.985	-10.985	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	-2.746	-2.746	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	-2.746	-2.746	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.199	5.199	0	%100
2	M1	Z	-9.005	-9.005	0	%100
3	M4	X	1.948	1.948	0	%100
4	M4	Z	-3.374	-3.374	0	%100
5	M10	X	4.916	4.916	0	%100
6	M10	Z	-8.515	-8.515	0	%100
7	MP3A	X	4.761	4.761	0	%100
8	MP3A	Z	-8.247	-8.247	0	%100
9	MP4A	X	4.761	4.761	0	%100
10	MP4A	Z	-8.247	-8.247	0	%100
11	MP2A	X	4.761	4.761	0	%100
12	MP2A	Z	-8.247	-8.247	0	%100
13	MP1A	X	4.761	4.761	0	%100
14	MP1A	Z	-8.247	-8.247	0	%100
15	M43	X	4.916	4.916	0	%100
16	M43	Z	-8.515	-8.515	0	%100
17	M46	X	9.022	9.022	0	%100
18	M46	Z	-15.626	-15.626	0	%100
19	M51B	X	5.01	5.01	0	%100
20	M51B	Z	-8.677	-8.677	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	3.007	3.007	0	%100
24	M76	Z	-5.209	-5.209	0	%100
25	M77	X	9.189	9.189	0	%100
26	M77	Z	-15.915	-15.915	0	%100
27	M80	X	9.678	9.678	0	%100
28	M80	Z	-16.763	-16.763	0	%100
29	M84	X	3.007	3.007	0	%100
30	M84	Z	-5.209	-5.209	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	5.199	5.199	0	%100
36	M34	Z	-9.005	-9.005	0	%100
37	M43A	X	0	0	0	%100
38	M43A	Z	0	0	0	%100
39	M52A	X	1.948	1.948	0	%100
40	M52A	Z	-3.374	-3.374	0	%100
41	M53	X	4.916	4.916	0	%100
42	M53	Z	-8.515	-8.515	0	%100
43	M54	X	4.916	4.916	0	%100
44	M54	Z	-8.515	-8.515	0	%100
45	M55	X	9.022	9.022	0	%100
46	M55	Z	-15.626	-15.626	0	%100
47	M58A	X	0	0	0	%100
48	M58A	Z	0	0	0	%100
49	M59A	X	5.01	5.01	0	%100
50	M59A	Z	-8.677	-8.677	0	%100
51	M63	X	3.007	3.007	0	%100
52	M63	Z	-5.209	-5.209	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	0	0	0	%100
55	M66	X	0	0	0	%100
56	M66	Z	0	0	0	%100
57	M68	X	3.007	3.007	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	-5.209	-5.209	0	%100
59	M69	X	9.189	9.189	0	%100
60	M69	Z	-15.915	-15.915	0	%100
61	M71	X	9.678	9.678	0	%100
62	M71	Z	-16.763	-16.763	0	%100
63	M76A	X	7.791	7.791	0	%100
64	M76A	Z	-13.495	-13.495	0	%100
65	M77A	X	0	0	0	%100
66	M77A	Z	0	0	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	0	0	0	%100
69	M79A	X	0	0	0	%100
70	M79A	Z	0	0	0	%100
71	M82	X	5.01	5.01	0	%100
72	M82	Z	-8.677	-8.677	0	%100
73	M83A	X	5.01	5.01	0	%100
74	M83A	Z	-8.677	-8.677	0	%100
75	M87	X	12.029	12.029	0	%100
76	M87	Z	-20.835	-20.835	0	%100
77	M88A	X	9.189	9.189	0	%100
78	M88A	Z	-15.915	-15.915	0	%100
79	M90	X	9.678	9.678	0	%100
80	M90	Z	-16.763	-16.763	0	%100
81	M92A	X	12.029	12.029	0	%100
82	M92A	Z	-20.835	-20.835	0	%100
83	M93	X	9.189	9.189	0	%100
84	M93	Z	-15.915	-15.915	0	%100
85	M95	X	9.678	9.678	0	%100
86	M95	Z	-16.763	-16.763	0	%100
87	M84B	X	3.571	3.571	0	%100
88	M84B	Z	-6.185	-6.185	0	%100
89	M89A	X	3.571	3.571	0	%100
90	M89A	Z	-6.185	-6.185	0	%100
91	M94A	X	0	0	0	%100
92	M94A	Z	0	0	0	%100
93	MP3C	X	4.761	4.761	0	%100
94	MP3C	Z	-8.247	-8.247	0	%100
95	MP4C	X	4.761	4.761	0	%100
96	MP4C	Z	-8.247	-8.247	0	%100
97	MP2C	X	4.761	4.761	0	%100
98	MP2C	Z	-8.247	-8.247	0	%100
99	MP1C	X	4.761	4.761	0	%100
100	MP1C	Z	-8.247	-8.247	0	%100
101	MP3B	X	4.761	4.761	0	%100
102	MP3B	Z	-8.247	-8.247	0	%100
103	MP4B	X	4.761	4.761	0	%100
104	MP4B	Z	-8.247	-8.247	0	%100
105	MP2B	X	4.761	4.761	0	%100
106	MP2B	Z	-8.247	-8.247	0	%100
107	MP1B	X	4.761	4.761	0	%100
108	MP1B	Z	-8.247	-8.247	0	%100
109	M109	X	4.119	4.119	0	%100
110	M109	Z	-7.135	-7.135	0	%100
111	M112	X	4.119	4.119	0	%100
112	M112	Z	-7.135	-7.135	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.002	3.002	0	%100
2	M1	Z	-1.733	-1.733	0	%100
3	M4	X	10.121	10.121	0	%100
4	M4	Z	-5.844	-5.844	0	%100
5	M10	X	2.838	2.838	0	%100
6	M10	Z	-1.639	-1.639	0	%100
7	MP3A	X	8.247	8.247	0	%100
8	MP3A	Z	-4.761	-4.761	0	%100
9	MP4A	X	8.247	8.247	0	%100
10	MP4A	Z	-4.761	-4.761	0	%100
11	MP2A	X	8.247	8.247	0	%100
12	MP2A	Z	-4.761	-4.761	0	%100
13	MP1A	X	8.247	8.247	0	%100
14	MP1A	Z	-4.761	-4.761	0	%100
15	M43	X	2.838	2.838	0	%100
16	M43	Z	-1.639	-1.639	0	%100
17	M46	X	5.209	5.209	0	%100
18	M46	Z	-3.007	-3.007	0	%100
19	M51B	X	11.569	11.569	0	%100
20	M51B	Z	-6.679	-6.679	0	%100
21	M52B	X	2.892	2.892	0	%100
22	M52B	Z	-1.67	-1.67	0	%100
23	M76	X	15.626	15.626	0	%100
24	M76	Z	-9.022	-9.022	0	%100
25	M77	X	21.221	21.221	0	%100
26	M77	Z	-12.252	-12.252	0	%100
27	M80	X	22.351	22.351	0	%100
28	M80	Z	-12.904	-12.904	0	%100
29	M84	X	15.626	15.626	0	%100
30	M84	Z	-9.022	-9.022	0	%100
31	M85	X	5.305	5.305	0	%100
32	M85	Z	-3.063	-3.063	0	%100
33	M91	X	5.588	5.588	0	%100
34	M91	Z	-3.226	-3.226	0	%100
35	M34	X	12.007	12.007	0	%100
36	M34	Z	-6.932	-6.932	0	%100
37	M43A	X	3.002	3.002	0	%100
38	M43A	Z	-1.733	-1.733	0	%100
39	M52A	X	0	0	0	%100
40	M52A	Z	0	0	0	%100
41	M53	X	11.353	11.353	0	%100
42	M53	Z	-6.555	-6.555	0	%100
43	M54	X	11.353	11.353	0	%100
44	M54	Z	-6.555	-6.555	0	%100
45	M55	X	20.835	20.835	0	%100
46	M55	Z	-12.029	-12.029	0	%100
47	M58A	X	2.892	2.892	0	%100
48	M58A	Z	-1.67	-1.67	0	%100
49	M59A	X	2.892	2.892	0	%100
50	M59A	Z	-1.67	-1.67	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	0	0	0	%100
53	M64	X	5.305	5.305	0	%100
54	M64	Z	-3.063	-3.063	0	%100
55	M66	X	5.588	5.588	0	%100
56	M66	Z	-3.226	-3.226	0	%100
57	M68	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	0	0	0	%100
59	M69	X	5.305	5.305	0	%100
60	M69	Z	-3.063	-3.063	0	%100
61	M71	X	5.588	5.588	0	%100
62	M71	Z	-3.226	-3.226	0	%100
63	M76A	X	10.121	10.121	0	%100
64	M76A	Z	-5.844	-5.844	0	%100
65	M77A	X	2.838	2.838	0	%100
66	M77A	Z	-1.639	-1.639	0	%100
67	M78	X	2.838	2.838	0	%100
68	M78	Z	-1.639	-1.639	0	%100
69	M79A	X	5.209	5.209	0	%100
70	M79A	Z	-3.007	-3.007	0	%100
71	M82	X	2.892	2.892	0	%100
72	M82	Z	-1.67	-1.67	0	%100
73	M83A	X	11.569	11.569	0	%100
74	M83A	Z	-6.679	-6.679	0	%100
75	M87	X	15.626	15.626	0	%100
76	M87	Z	-9.022	-9.022	0	%100
77	M88A	X	5.305	5.305	0	%100
78	M88A	Z	-3.063	-3.063	0	%100
79	M90	X	5.588	5.588	0	%100
80	M90	Z	-3.226	-3.226	0	%100
81	M92A	X	15.626	15.626	0	%100
82	M92A	Z	-9.022	-9.022	0	%100
83	M93	X	21.221	21.221	0	%100
84	M93	Z	-12.252	-12.252	0	%100
85	M95	X	22.351	22.351	0	%100
86	M95	Z	-12.904	-12.904	0	%100
87	M84B	X	2.062	2.062	0	%100
88	M84B	Z	-1.19	-1.19	0	%100
89	M89A	X	8.247	8.247	0	%100
90	M89A	Z	-4.761	-4.761	0	%100
91	M94A	X	2.062	2.062	0	%100
92	M94A	Z	-1.19	-1.19	0	%100
93	MP3C	X	8.247	8.247	0	%100
94	MP3C	Z	-4.761	-4.761	0	%100
95	MP4C	X	8.247	8.247	0	%100
96	MP4C	Z	-4.761	-4.761	0	%100
97	MP2C	X	8.247	8.247	0	%100
98	MP2C	Z	-4.761	-4.761	0	%100
99	MP1C	X	8.247	8.247	0	%100
100	MP1C	Z	-4.761	-4.761	0	%100
101	MP3B	X	8.247	8.247	0	%100
102	MP3B	Z	-4.761	-4.761	0	%100
103	MP4B	X	8.247	8.247	0	%100
104	MP4B	Z	-4.761	-4.761	0	%100
105	MP2B	X	8.247	8.247	0	%100
106	MP2B	Z	-4.761	-4.761	0	%100
107	MP1B	X	8.247	8.247	0	%100
108	MP1B	Z	-4.761	-4.761	0	%100
109	M109	X	2.378	2.378	0	%100
110	M109	Z	-1.373	-1.373	0	%100
111	M112	X	9.513	9.513	0	%100
112	M112	Z	-5.492	-5.492	0	%100
113	M115	X	2.378	2.378	0	%100
114	M115	Z	-1.373	-1.373	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	15.583	15.583	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	9.523	9.523	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	9.523	9.523	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	9.523	9.523	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	9.523	9.523	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	10.019	10.019	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	10.019	10.019	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	24.058	24.058	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	18.378	18.378	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	19.357	19.357	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	24.058	24.058	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	18.378	18.378	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	19.357	19.357	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	10.398	10.398	0	%100
36	M34	Z	0	0	0	%100
37	M43A	X	10.398	10.398	0	%100
38	M43A	Z	0	0	0	%100
39	M52A	X	3.896	3.896	0	%100
40	M52A	Z	0	0	0	%100
41	M53	X	9.832	9.832	0	%100
42	M53	Z	0	0	0	%100
43	M54	X	9.832	9.832	0	%100
44	M54	Z	0	0	0	%100
45	M55	X	18.043	18.043	0	%100
46	M55	Z	0	0	0	%100
47	M58A	X	10.019	10.019	0	%100
48	M58A	Z	0	0	0	%100
49	M59A	X	0	0	0	%100
50	M59A	Z	0	0	0	%100
51	M63	X	6.014	6.014	0	%100
52	M63	Z	0	0	0	%100
53	M64	X	18.378	18.378	0	%100
54	M64	Z	0	0	0	%100
55	M66	X	19.357	19.357	0	%100
56	M66	Z	0	0	0	%100
57	M68	X	6.014	6.014	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k...	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	0	0	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	0	0	0	%100
61	M71	X	0	0	0	%100
62	M71	Z	0	0	0	%100
63	M76A	X	3.896	3.896	0	%100
64	M76A	Z	0	0	0	%100
65	M77A	X	9.832	9.832	0	%100
66	M77A	Z	0	0	0	%100
67	M78	X	9.832	9.832	0	%100
68	M78	Z	0	0	0	%100
69	M79A	X	18.043	18.043	0	%100
70	M79A	Z	0	0	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83A	X	10.019	10.019	0	%100
74	M83A	Z	0	0	0	%100
75	M87	X	6.014	6.014	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	0	0	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	6.014	6.014	0	%100
82	M92A	Z	0	0	0	%100
83	M93	X	18.378	18.378	0	%100
84	M93	Z	0	0	0	%100
85	M95	X	19.357	19.357	0	%100
86	M95	Z	0	0	0	%100
87	M84B	X	0	0	0	%100
88	M84B	Z	0	0	0	%100
89	M89A	X	7.142	7.142	0	%100
90	M89A	Z	0	0	0	%100
91	M94A	X	7.142	7.142	0	%100
92	M94A	Z	0	0	0	%100
93	MP3C	X	9.523	9.523	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	9.523	9.523	0	%100
96	MP4C	Z	0	0	0	%100
97	MP2C	X	9.523	9.523	0	%100
98	MP2C	Z	0	0	0	%100
99	MP1C	X	9.523	9.523	0	%100
100	MP1C	Z	0	0	0	%100
101	MP3B	X	9.523	9.523	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	9.523	9.523	0	%100
104	MP4B	Z	0	0	0	%100
105	MP2B	X	9.523	9.523	0	%100
106	MP2B	Z	0	0	0	%100
107	MP1B	X	9.523	9.523	0	%100
108	MP1B	Z	0	0	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	0	0	0	%100
111	M112	X	8.239	8.239	0	%100
112	M112	Z	0	0	0	%100
113	M115	X	8.239	8.239	0	%100
114	M115	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.002	3.002	0	%100
2	M1	Z	1.733	1.733	0	%100
3	M4	X	10.121	10.121	0	%100
4	M4	Z	5.844	5.844	0	%100
5	M10	X	2.838	2.838	0	%100
6	M10	Z	1.639	1.639	0	%100
7	MP3A	X	8.247	8.247	0	%100
8	MP3A	Z	4.761	4.761	0	%100
9	MP4A	X	8.247	8.247	0	%100
10	MP4A	Z	4.761	4.761	0	%100
11	MP2A	X	8.247	8.247	0	%100
12	MP2A	Z	4.761	4.761	0	%100
13	MP1A	X	8.247	8.247	0	%100
14	MP1A	Z	4.761	4.761	0	%100
15	M43	X	2.838	2.838	0	%100
16	M43	Z	1.639	1.639	0	%100
17	M46	X	5.209	5.209	0	%100
18	M46	Z	3.007	3.007	0	%100
19	M51B	X	2.892	2.892	0	%100
20	M51B	Z	1.67	1.67	0	%100
21	M52B	X	11.569	11.569	0	%100
22	M52B	Z	6.679	6.679	0	%100
23	M76	X	15.626	15.626	0	%100
24	M76	Z	9.022	9.022	0	%100
25	M77	X	5.305	5.305	0	%100
26	M77	Z	3.063	3.063	0	%100
27	M80	X	5.588	5.588	0	%100
28	M80	Z	3.226	3.226	0	%100
29	M84	X	15.626	15.626	0	%100
30	M84	Z	9.022	9.022	0	%100
31	M85	X	21.221	21.221	0	%100
32	M85	Z	12.252	12.252	0	%100
33	M91	X	22.351	22.351	0	%100
34	M91	Z	12.904	12.904	0	%100
35	M34	X	3.002	3.002	0	%100
36	M34	Z	1.733	1.733	0	%100
37	M43A	X	12.007	12.007	0	%100
38	M43A	Z	6.932	6.932	0	%100
39	M52A	X	10.121	10.121	0	%100
40	M52A	Z	5.844	5.844	0	%100
41	M53	X	2.838	2.838	0	%100
42	M53	Z	1.639	1.639	0	%100
43	M54	X	2.838	2.838	0	%100
44	M54	Z	1.639	1.639	0	%100
45	M55	X	5.209	5.209	0	%100
46	M55	Z	3.007	3.007	0	%100
47	M58A	X	11.569	11.569	0	%100
48	M58A	Z	6.679	6.679	0	%100
49	M59A	X	2.892	2.892	0	%100
50	M59A	Z	1.67	1.67	0	%100
51	M63	X	15.626	15.626	0	%100
52	M63	Z	9.022	9.022	0	%100
53	M64	X	21.221	21.221	0	%100
54	M64	Z	12.252	12.252	0	%100
55	M66	X	22.351	22.351	0	%100
56	M66	Z	12.904	12.904	0	%100
57	M68	X	15.626	15.626	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	9.022	9.022	0	%100
59	M69	X	5.305	5.305	0	%100
60	M69	Z	3.063	3.063	0	%100
61	M71	X	5.588	5.588	0	%100
62	M71	Z	3.226	3.226	0	%100
63	M76A	X	0	0	0	%100
64	M76A	Z	0	0	0	%100
65	M77A	X	11.353	11.353	0	%100
66	M77A	Z	6.555	6.555	0	%100
67	M78	X	11.353	11.353	0	%100
68	M78	Z	6.555	6.555	0	%100
69	M79A	X	20.835	20.835	0	%100
70	M79A	Z	12.029	12.029	0	%100
71	M82	X	2.892	2.892	0	%100
72	M82	Z	1.67	1.67	0	%100
73	M83A	X	2.892	2.892	0	%100
74	M83A	Z	1.67	1.67	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	5.305	5.305	0	%100
78	M88A	Z	3.063	3.063	0	%100
79	M90	X	5.588	5.588	0	%100
80	M90	Z	3.226	3.226	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	0	0	0	%100
83	M93	X	5.305	5.305	0	%100
84	M93	Z	3.063	3.063	0	%100
85	M95	X	5.588	5.588	0	%100
86	M95	Z	3.226	3.226	0	%100
87	M84B	X	2.062	2.062	0	%100
88	M84B	Z	1.19	1.19	0	%100
89	M89A	X	2.062	2.062	0	%100
90	M89A	Z	1.19	1.19	0	%100
91	M94A	X	8.247	8.247	0	%100
92	M94A	Z	4.761	4.761	0	%100
93	MP3C	X	8.247	8.247	0	%100
94	MP3C	Z	4.761	4.761	0	%100
95	MP4C	X	8.247	8.247	0	%100
96	MP4C	Z	4.761	4.761	0	%100
97	MP2C	X	8.247	8.247	0	%100
98	MP2C	Z	4.761	4.761	0	%100
99	MP1C	X	8.247	8.247	0	%100
100	MP1C	Z	4.761	4.761	0	%100
101	MP3B	X	8.247	8.247	0	%100
102	MP3B	Z	4.761	4.761	0	%100
103	MP4B	X	8.247	8.247	0	%100
104	MP4B	Z	4.761	4.761	0	%100
105	MP2B	X	8.247	8.247	0	%100
106	MP2B	Z	4.761	4.761	0	%100
107	MP1B	X	8.247	8.247	0	%100
108	MP1B	Z	4.761	4.761	0	%100
109	M109	X	2.378	2.378	0	%100
110	M109	Z	1.373	1.373	0	%100
111	M112	X	2.378	2.378	0	%100
112	M112	Z	1.373	1.373	0	%100
113	M115	X	9.513	9.513	0	%100
114	M115	Z	5.492	5.492	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.199	5.199	0	%100
2	M1	Z	9.005	9.005	0	%100
3	M4	X	1.948	1.948	0	%100
4	M4	Z	3.374	3.374	0	%100
5	M10	X	4.916	4.916	0	%100
6	M10	Z	8.515	8.515	0	%100
7	MP3A	X	4.761	4.761	0	%100
8	MP3A	Z	8.247	8.247	0	%100
9	MP4A	X	4.761	4.761	0	%100
10	MP4A	Z	8.247	8.247	0	%100
11	MP2A	X	4.761	4.761	0	%100
12	MP2A	Z	8.247	8.247	0	%100
13	MP1A	X	4.761	4.761	0	%100
14	MP1A	Z	8.247	8.247	0	%100
15	M43	X	4.916	4.916	0	%100
16	M43	Z	8.515	8.515	0	%100
17	M46	X	9.022	9.022	0	%100
18	M46	Z	15.626	15.626	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	5.01	5.01	0	%100
22	M52B	Z	8.677	8.677	0	%100
23	M76	X	3.007	3.007	0	%100
24	M76	Z	5.209	5.209	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	3.007	3.007	0	%100
30	M84	Z	5.209	5.209	0	%100
31	M85	X	9.189	9.189	0	%100
32	M85	Z	15.915	15.915	0	%100
33	M91	X	9.678	9.678	0	%100
34	M91	Z	16.763	16.763	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M43A	X	5.199	5.199	0	%100
38	M43A	Z	9.005	9.005	0	%100
39	M52A	X	7.791	7.791	0	%100
40	M52A	Z	13.495	13.495	0	%100
41	M53	X	0	0	0	%100
42	M53	Z	0	0	0	%100
43	M54	X	0	0	0	%100
44	M54	Z	0	0	0	%100
45	M55	X	0	0	0	%100
46	M55	Z	0	0	0	%100
47	M58A	X	5.01	5.01	0	%100
48	M58A	Z	8.677	8.677	0	%100
49	M59A	X	5.01	5.01	0	%100
50	M59A	Z	8.677	8.677	0	%100
51	M63	X	12.029	12.029	0	%100
52	M63	Z	20.835	20.835	0	%100
53	M64	X	9.189	9.189	0	%100
54	M64	Z	15.915	15.915	0	%100
55	M66	X	9.678	9.678	0	%100
56	M66	Z	16.763	16.763	0	%100
57	M68	X	12.029	12.029	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	20.835	20.835	0	%100
59	M69	X	9.189	9.189	0	%100
60	M69	Z	15.915	15.915	0	%100
61	M71	X	9.678	9.678	0	%100
62	M71	Z	16.763	16.763	0	%100
63	M76A	X	1.948	1.948	0	%100
64	M76A	Z	3.374	3.374	0	%100
65	M77A	X	4.916	4.916	0	%100
66	M77A	Z	8.515	8.515	0	%100
67	M78	X	4.916	4.916	0	%100
68	M78	Z	8.515	8.515	0	%100
69	M79A	X	9.022	9.022	0	%100
70	M79A	Z	15.626	15.626	0	%100
71	M82	X	5.01	5.01	0	%100
72	M82	Z	8.677	8.677	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M87	X	3.007	3.007	0	%100
76	M87	Z	5.209	5.209	0	%100
77	M88A	X	9.189	9.189	0	%100
78	M88A	Z	15.915	15.915	0	%100
79	M90	X	9.678	9.678	0	%100
80	M90	Z	16.763	16.763	0	%100
81	M92A	X	3.007	3.007	0	%100
82	M92A	Z	5.209	5.209	0	%100
83	M93	X	0	0	0	%100
84	M93	Z	0	0	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	0	0	0	%100
87	M84B	X	3.571	3.571	0	%100
88	M84B	Z	6.185	6.185	0	%100
89	M89A	X	0	0	0	%100
90	M89A	Z	0	0	0	%100
91	M94A	X	3.571	3.571	0	%100
92	M94A	Z	6.185	6.185	0	%100
93	MP3C	X	4.761	4.761	0	%100
94	MP3C	Z	8.247	8.247	0	%100
95	MP4C	X	4.761	4.761	0	%100
96	MP4C	Z	8.247	8.247	0	%100
97	MP2C	X	4.761	4.761	0	%100
98	MP2C	Z	8.247	8.247	0	%100
99	MP1C	X	4.761	4.761	0	%100
100	MP1C	Z	8.247	8.247	0	%100
101	MP3B	X	4.761	4.761	0	%100
102	MP3B	Z	8.247	8.247	0	%100
103	MP4B	X	4.761	4.761	0	%100
104	MP4B	Z	8.247	8.247	0	%100
105	MP2B	X	4.761	4.761	0	%100
106	MP2B	Z	8.247	8.247	0	%100
107	MP1B	X	4.761	4.761	0	%100
108	MP1B	Z	8.247	8.247	0	%100
109	M109	X	4.119	4.119	0	%100
110	M109	Z	7.135	7.135	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	0	0	0	%100
113	M115	X	4.119	4.119	0	%100
114	M115	Z	7.135	7.135	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	13.864	13.864	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	13.109	13.109	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	9.523	9.523	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	9.523	9.523	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	9.523	9.523	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	9.523	9.523	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	13.109	13.109	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	24.058	24.058	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	3.34	3.34	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	3.34	3.34	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	6.126	6.126	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	6.452	6.452	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	6.126	6.126	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	6.452	6.452	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	3.466	3.466	0	%100
37	M43A	X	0	0	0	%100
38	M43A	Z	3.466	3.466	0	%100
39	M52A	X	0	0	0	%100
40	M52A	Z	11.687	11.687	0	%100
41	M53	X	0	0	0	%100
42	M53	Z	3.277	3.277	0	%100
43	M54	X	0	0	0	%100
44	M54	Z	3.277	3.277	0	%100
45	M55	X	0	0	0	%100
46	M55	Z	6.014	6.014	0	%100
47	M58A	X	0	0	0	%100
48	M58A	Z	3.34	3.34	0	%100
49	M59A	X	0	0	0	%100
50	M59A	Z	13.359	13.359	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	18.043	18.043	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	6.126	6.126	0	%100
55	M66	X	0	0	0	%100
56	M66	Z	6.452	6.452	0	%100
57	M68	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	18.043	18.043	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	24.503	24.503	0	%100
61	M71	X	0	0	0	%100
62	M71	Z	25.809	25.809	0	%100
63	M76A	X	0	0	0	%100
64	M76A	Z	11.687	11.687	0	%100
65	M77A	X	0	0	0	%100
66	M77A	Z	3.277	3.277	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	3.277	3.277	0	%100
69	M79A	X	0	0	0	%100
70	M79A	Z	6.014	6.014	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	13.359	13.359	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	3.34	3.34	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	18.043	18.043	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	24.503	24.503	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	25.809	25.809	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	18.043	18.043	0	%100
83	M93	X	0	0	0	%100
84	M93	Z	6.126	6.126	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	6.452	6.452	0	%100
87	M84B	X	0	0	0	%100
88	M84B	Z	9.523	9.523	0	%100
89	M89A	X	0	0	0	%100
90	M89A	Z	2.381	2.381	0	%100
91	M94A	X	0	0	0	%100
92	M94A	Z	2.381	2.381	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	9.523	9.523	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	9.523	9.523	0	%100
97	MP2C	X	0	0	0	%100
98	MP2C	Z	9.523	9.523	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	9.523	9.523	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	9.523	9.523	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	9.523	9.523	0	%100
105	MP2B	X	0	0	0	%100
106	MP2B	Z	9.523	9.523	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	9.523	9.523	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	10.985	10.985	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	2.746	2.746	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	2.746	2.746	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.199	-5.199	0	%100
2	M1	Z	9.005	9.005	0	%100
3	M4	X	-1.948	-1.948	0	%100
4	M4	Z	3.374	3.374	0	%100
5	M10	X	-4.916	-4.916	0	%100
6	M10	Z	8.515	8.515	0	%100
7	MP3A	X	-4.761	-4.761	0	%100
8	MP3A	Z	8.247	8.247	0	%100
9	MP4A	X	-4.761	-4.761	0	%100
10	MP4A	Z	8.247	8.247	0	%100
11	MP2A	X	-4.761	-4.761	0	%100
12	MP2A	Z	8.247	8.247	0	%100
13	MP1A	X	-4.761	-4.761	0	%100
14	MP1A	Z	8.247	8.247	0	%100
15	M43	X	-4.916	-4.916	0	%100
16	M43	Z	8.515	8.515	0	%100
17	M46	X	-9.022	-9.022	0	%100
18	M46	Z	15.626	15.626	0	%100
19	M51B	X	-5.01	-5.01	0	%100
20	M51B	Z	8.677	8.677	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-3.007	-3.007	0	%100
24	M76	Z	5.209	5.209	0	%100
25	M77	X	-9.189	-9.189	0	%100
26	M77	Z	15.915	15.915	0	%100
27	M80	X	-9.678	-9.678	0	%100
28	M80	Z	16.763	16.763	0	%100
29	M84	X	-3.007	-3.007	0	%100
30	M84	Z	5.209	5.209	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-5.199	-5.199	0	%100
36	M34	Z	9.005	9.005	0	%100
37	M43A	X	0	0	0	%100
38	M43A	Z	0	0	0	%100
39	M52A	X	-1.948	-1.948	0	%100
40	M52A	Z	3.374	3.374	0	%100
41	M53	X	-4.916	-4.916	0	%100
42	M53	Z	8.515	8.515	0	%100
43	M54	X	-4.916	-4.916	0	%100
44	M54	Z	8.515	8.515	0	%100
45	M55	X	-9.022	-9.022	0	%100
46	M55	Z	15.626	15.626	0	%100
47	M58A	X	0	0	0	%100
48	M58A	Z	0	0	0	%100
49	M59A	X	-5.01	-5.01	0	%100
50	M59A	Z	8.677	8.677	0	%100
51	M63	X	-3.007	-3.007	0	%100
52	M63	Z	5.209	5.209	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	0	0	0	%100
55	M66	X	0	0	0	%100
56	M66	Z	0	0	0	%100
57	M68	X	-3.007	-3.007	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	5.209	5.209	0	%100
59	M69	X	-9.189	-9.189	0	%100
60	M69	Z	15.915	15.915	0	%100
61	M71	X	-9.678	-9.678	0	%100
62	M71	Z	16.763	16.763	0	%100
63	M76A	X	-7.791	-7.791	0	%100
64	M76A	Z	13.495	13.495	0	%100
65	M77A	X	0	0	0	%100
66	M77A	Z	0	0	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	0	0	0	%100
69	M79A	X	0	0	0	%100
70	M79A	Z	0	0	0	%100
71	M82	X	-5.01	-5.01	0	%100
72	M82	Z	8.677	8.677	0	%100
73	M83A	X	-5.01	-5.01	0	%100
74	M83A	Z	8.677	8.677	0	%100
75	M87	X	-12.029	-12.029	0	%100
76	M87	Z	20.835	20.835	0	%100
77	M88A	X	-9.189	-9.189	0	%100
78	M88A	Z	15.915	15.915	0	%100
79	M90	X	-9.678	-9.678	0	%100
80	M90	Z	16.763	16.763	0	%100
81	M92A	X	-12.029	-12.029	0	%100
82	M92A	Z	20.835	20.835	0	%100
83	M93	X	-9.189	-9.189	0	%100
84	M93	Z	15.915	15.915	0	%100
85	M95	X	-9.678	-9.678	0	%100
86	M95	Z	16.763	16.763	0	%100
87	M84B	X	-3.571	-3.571	0	%100
88	M84B	Z	6.185	6.185	0	%100
89	M89A	X	-3.571	-3.571	0	%100
90	M89A	Z	6.185	6.185	0	%100
91	M94A	X	0	0	0	%100
92	M94A	Z	0	0	0	%100
93	MP3C	X	-4.761	-4.761	0	%100
94	MP3C	Z	8.247	8.247	0	%100
95	MP4C	X	-4.761	-4.761	0	%100
96	MP4C	Z	8.247	8.247	0	%100
97	MP2C	X	-4.761	-4.761	0	%100
98	MP2C	Z	8.247	8.247	0	%100
99	MP1C	X	-4.761	-4.761	0	%100
100	MP1C	Z	8.247	8.247	0	%100
101	MP3B	X	-4.761	-4.761	0	%100
102	MP3B	Z	8.247	8.247	0	%100
103	MP4B	X	-4.761	-4.761	0	%100
104	MP4B	Z	8.247	8.247	0	%100
105	MP2B	X	-4.761	-4.761	0	%100
106	MP2B	Z	8.247	8.247	0	%100
107	MP1B	X	-4.761	-4.761	0	%100
108	MP1B	Z	8.247	8.247	0	%100
109	M109	X	-4.119	-4.119	0	%100
110	M109	Z	7.135	7.135	0	%100
111	M112	X	-4.119	-4.119	0	%100
112	M112	Z	7.135	7.135	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.002	-3.002	0	%100
2	M1	Z	1.733	1.733	0	%100
3	M4	X	-10.121	-10.121	0	%100
4	M4	Z	5.844	5.844	0	%100
5	M10	X	-2.838	-2.838	0	%100
6	M10	Z	1.639	1.639	0	%100
7	MP3A	X	-8.247	-8.247	0	%100
8	MP3A	Z	4.761	4.761	0	%100
9	MP4A	X	-8.247	-8.247	0	%100
10	MP4A	Z	4.761	4.761	0	%100
11	MP2A	X	-8.247	-8.247	0	%100
12	MP2A	Z	4.761	4.761	0	%100
13	MP1A	X	-8.247	-8.247	0	%100
14	MP1A	Z	4.761	4.761	0	%100
15	M43	X	-2.838	-2.838	0	%100
16	M43	Z	1.639	1.639	0	%100
17	M46	X	-5.209	-5.209	0	%100
18	M46	Z	3.007	3.007	0	%100
19	M51B	X	-11.569	-11.569	0	%100
20	M51B	Z	6.679	6.679	0	%100
21	M52B	X	-2.892	-2.892	0	%100
22	M52B	Z	1.67	1.67	0	%100
23	M76	X	-15.626	-15.626	0	%100
24	M76	Z	9.022	9.022	0	%100
25	M77	X	-21.221	-21.221	0	%100
26	M77	Z	12.252	12.252	0	%100
27	M80	X	-22.351	-22.351	0	%100
28	M80	Z	12.904	12.904	0	%100
29	M84	X	-15.626	-15.626	0	%100
30	M84	Z	9.022	9.022	0	%100
31	M85	X	-5.305	-5.305	0	%100
32	M85	Z	3.063	3.063	0	%100
33	M91	X	-5.588	-5.588	0	%100
34	M91	Z	3.226	3.226	0	%100
35	M34	X	-12.007	-12.007	0	%100
36	M34	Z	6.932	6.932	0	%100
37	M43A	X	-3.002	-3.002	0	%100
38	M43A	Z	1.733	1.733	0	%100
39	M52A	X	0	0	0	%100
40	M52A	Z	0	0	0	%100
41	M53	X	-11.353	-11.353	0	%100
42	M53	Z	6.555	6.555	0	%100
43	M54	X	-11.353	-11.353	0	%100
44	M54	Z	6.555	6.555	0	%100
45	M55	X	-20.835	-20.835	0	%100
46	M55	Z	12.029	12.029	0	%100
47	M58A	X	-2.892	-2.892	0	%100
48	M58A	Z	1.67	1.67	0	%100
49	M59A	X	-2.892	-2.892	0	%100
50	M59A	Z	1.67	1.67	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	0	0	0	%100
53	M64	X	-5.305	-5.305	0	%100
54	M64	Z	3.063	3.063	0	%100
55	M66	X	-5.588	-5.588	0	%100
56	M66	Z	3.226	3.226	0	%100
57	M68	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	0	0	0	%100
59	M69	X	-5.305	-5.305	0	%100
60	M69	Z	3.063	3.063	0	%100
61	M71	X	-5.588	-5.588	0	%100
62	M71	Z	3.226	3.226	0	%100
63	M76A	X	-10.121	-10.121	0	%100
64	M76A	Z	5.844	5.844	0	%100
65	M77A	X	-2.838	-2.838	0	%100
66	M77A	Z	1.639	1.639	0	%100
67	M78	X	-2.838	-2.838	0	%100
68	M78	Z	1.639	1.639	0	%100
69	M79A	X	-5.209	-5.209	0	%100
70	M79A	Z	3.007	3.007	0	%100
71	M82	X	-2.892	-2.892	0	%100
72	M82	Z	1.67	1.67	0	%100
73	M83A	X	-11.569	-11.569	0	%100
74	M83A	Z	6.679	6.679	0	%100
75	M87	X	-15.626	-15.626	0	%100
76	M87	Z	9.022	9.022	0	%100
77	M88A	X	-5.305	-5.305	0	%100
78	M88A	Z	3.063	3.063	0	%100
79	M90	X	-5.588	-5.588	0	%100
80	M90	Z	3.226	3.226	0	%100
81	M92A	X	-15.626	-15.626	0	%100
82	M92A	Z	9.022	9.022	0	%100
83	M93	X	-21.221	-21.221	0	%100
84	M93	Z	12.252	12.252	0	%100
85	M95	X	-22.351	-22.351	0	%100
86	M95	Z	12.904	12.904	0	%100
87	M84B	X	-2.062	-2.062	0	%100
88	M84B	Z	1.19	1.19	0	%100
89	M89A	X	-8.247	-8.247	0	%100
90	M89A	Z	4.761	4.761	0	%100
91	M94A	X	-2.062	-2.062	0	%100
92	M94A	Z	1.19	1.19	0	%100
93	MP3C	X	-8.247	-8.247	0	%100
94	MP3C	Z	4.761	4.761	0	%100
95	MP4C	X	-8.247	-8.247	0	%100
96	MP4C	Z	4.761	4.761	0	%100
97	MP2C	X	-8.247	-8.247	0	%100
98	MP2C	Z	4.761	4.761	0	%100
99	MP1C	X	-8.247	-8.247	0	%100
100	MP1C	Z	4.761	4.761	0	%100
101	MP3B	X	-8.247	-8.247	0	%100
102	MP3B	Z	4.761	4.761	0	%100
103	MP4B	X	-8.247	-8.247	0	%100
104	MP4B	Z	4.761	4.761	0	%100
105	MP2B	X	-8.247	-8.247	0	%100
106	MP2B	Z	4.761	4.761	0	%100
107	MP1B	X	-8.247	-8.247	0	%100
108	MP1B	Z	4.761	4.761	0	%100
109	M109	X	-2.378	-2.378	0	%100
110	M109	Z	1.373	1.373	0	%100
111	M112	X	-9.513	-9.513	0	%100
112	M112	Z	5.492	5.492	0	%100
113	M115	X	-2.378	-2.378	0	%100
114	M115	Z	1.373	1.373	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-15.583	-15.583	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-9.523	-9.523	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-9.523	-9.523	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-9.523	-9.523	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-9.523	-9.523	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-10.019	-10.019	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-10.019	-10.019	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-24.058	-24.058	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-18.378	-18.378	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-19.357	-19.357	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-24.058	-24.058	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-18.378	-18.378	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-19.357	-19.357	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-10.398	-10.398	0	%100
36	M34	Z	0	0	0	%100
37	M43A	X	-10.398	-10.398	0	%100
38	M43A	Z	0	0	0	%100
39	M52A	X	-3.896	-3.896	0	%100
40	M52A	Z	0	0	0	%100
41	M53	X	-9.832	-9.832	0	%100
42	M53	Z	0	0	0	%100
43	M54	X	-9.832	-9.832	0	%100
44	M54	Z	0	0	0	%100
45	M55	X	-18.043	-18.043	0	%100
46	M55	Z	0	0	0	%100
47	M58A	X	-10.019	-10.019	0	%100
48	M58A	Z	0	0	0	%100
49	M59A	X	0	0	0	%100
50	M59A	Z	0	0	0	%100
51	M63	X	-6.014	-6.014	0	%100
52	M63	Z	0	0	0	%100
53	M64	X	-18.378	-18.378	0	%100
54	M64	Z	0	0	0	%100
55	M66	X	-19.357	-19.357	0	%100
56	M66	Z	0	0	0	%100
57	M68	X	-6.014	-6.014	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	0	0	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	0	0	0	%100
61	M71	X	0	0	0	%100
62	M71	Z	0	0	0	%100
63	M76A	X	-3.896	-3.896	0	%100
64	M76A	Z	0	0	0	%100
65	M77A	X	-9.832	-9.832	0	%100
66	M77A	Z	0	0	0	%100
67	M78	X	-9.832	-9.832	0	%100
68	M78	Z	0	0	0	%100
69	M79A	X	-18.043	-18.043	0	%100
70	M79A	Z	0	0	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83A	X	-10.019	-10.019	0	%100
74	M83A	Z	0	0	0	%100
75	M87	X	-6.014	-6.014	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	0	0	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	-6.014	-6.014	0	%100
82	M92A	Z	0	0	0	%100
83	M93	X	-18.378	-18.378	0	%100
84	M93	Z	0	0	0	%100
85	M95	X	-19.357	-19.357	0	%100
86	M95	Z	0	0	0	%100
87	M84B	X	0	0	0	%100
88	M84B	Z	0	0	0	%100
89	M89A	X	-7.142	-7.142	0	%100
90	M89A	Z	0	0	0	%100
91	M94A	X	-7.142	-7.142	0	%100
92	M94A	Z	0	0	0	%100
93	MP3C	X	-9.523	-9.523	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	-9.523	-9.523	0	%100
96	MP4C	Z	0	0	0	%100
97	MP2C	X	-9.523	-9.523	0	%100
98	MP2C	Z	0	0	0	%100
99	MP1C	X	-9.523	-9.523	0	%100
100	MP1C	Z	0	0	0	%100
101	MP3B	X	-9.523	-9.523	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	-9.523	-9.523	0	%100
104	MP4B	Z	0	0	0	%100
105	MP2B	X	-9.523	-9.523	0	%100
106	MP2B	Z	0	0	0	%100
107	MP1B	X	-9.523	-9.523	0	%100
108	MP1B	Z	0	0	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	0	0	0	%100
111	M112	X	-8.239	-8.239	0	%100
112	M112	Z	0	0	0	%100
113	M115	X	-8.239	-8.239	0	%100
114	M115	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.002	-3.002	0	%100
2	M1	Z	-1.733	-1.733	0	%100
3	M4	X	-10.121	-10.121	0	%100
4	M4	Z	-5.844	-5.844	0	%100
5	M10	X	-2.838	-2.838	0	%100
6	M10	Z	-1.639	-1.639	0	%100
7	MP3A	X	-8.247	-8.247	0	%100
8	MP3A	Z	-4.761	-4.761	0	%100
9	MP4A	X	-8.247	-8.247	0	%100
10	MP4A	Z	-4.761	-4.761	0	%100
11	MP2A	X	-8.247	-8.247	0	%100
12	MP2A	Z	-4.761	-4.761	0	%100
13	MP1A	X	-8.247	-8.247	0	%100
14	MP1A	Z	-4.761	-4.761	0	%100
15	M43	X	-2.838	-2.838	0	%100
16	M43	Z	-1.639	-1.639	0	%100
17	M46	X	-5.209	-5.209	0	%100
18	M46	Z	-3.007	-3.007	0	%100
19	M51B	X	-2.892	-2.892	0	%100
20	M51B	Z	-1.67	-1.67	0	%100
21	M52B	X	-11.569	-11.569	0	%100
22	M52B	Z	-6.679	-6.679	0	%100
23	M76	X	-15.626	-15.626	0	%100
24	M76	Z	-9.022	-9.022	0	%100
25	M77	X	-5.305	-5.305	0	%100
26	M77	Z	-3.063	-3.063	0	%100
27	M80	X	-5.588	-5.588	0	%100
28	M80	Z	-3.226	-3.226	0	%100
29	M84	X	-15.626	-15.626	0	%100
30	M84	Z	-9.022	-9.022	0	%100
31	M85	X	-21.221	-21.221	0	%100
32	M85	Z	-12.252	-12.252	0	%100
33	M91	X	-22.351	-22.351	0	%100
34	M91	Z	-12.904	-12.904	0	%100
35	M34	X	-3.002	-3.002	0	%100
36	M34	Z	-1.733	-1.733	0	%100
37	M43A	X	-12.007	-12.007	0	%100
38	M43A	Z	-6.932	-6.932	0	%100
39	M52A	X	-10.121	-10.121	0	%100
40	M52A	Z	-5.844	-5.844	0	%100
41	M53	X	-2.838	-2.838	0	%100
42	M53	Z	-1.639	-1.639	0	%100
43	M54	X	-2.838	-2.838	0	%100
44	M54	Z	-1.639	-1.639	0	%100
45	M55	X	-5.209	-5.209	0	%100
46	M55	Z	-3.007	-3.007	0	%100
47	M58A	X	-11.569	-11.569	0	%100
48	M58A	Z	-6.679	-6.679	0	%100
49	M59A	X	-2.892	-2.892	0	%100
50	M59A	Z	-1.67	-1.67	0	%100
51	M63	X	-15.626	-15.626	0	%100
52	M63	Z	-9.022	-9.022	0	%100
53	M64	X	-21.221	-21.221	0	%100
54	M64	Z	-12.252	-12.252	0	%100
55	M66	X	-22.351	-22.351	0	%100
56	M66	Z	-12.904	-12.904	0	%100
57	M68	X	-15.626	-15.626	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	-9.022	-9.022	0	%100
59	M69	X	-5.305	-5.305	0	%100
60	M69	Z	-3.063	-3.063	0	%100
61	M71	X	-5.588	-5.588	0	%100
62	M71	Z	-3.226	-3.226	0	%100
63	M76A	X	0	0	0	%100
64	M76A	Z	0	0	0	%100
65	M77A	X	-11.353	-11.353	0	%100
66	M77A	Z	-6.555	-6.555	0	%100
67	M78	X	-11.353	-11.353	0	%100
68	M78	Z	-6.555	-6.555	0	%100
69	M79A	X	-20.835	-20.835	0	%100
70	M79A	Z	-12.029	-12.029	0	%100
71	M82	X	-2.892	-2.892	0	%100
72	M82	Z	-1.67	-1.67	0	%100
73	M83A	X	-2.892	-2.892	0	%100
74	M83A	Z	-1.67	-1.67	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	-5.305	-5.305	0	%100
78	M88A	Z	-3.063	-3.063	0	%100
79	M90	X	-5.588	-5.588	0	%100
80	M90	Z	-3.226	-3.226	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	0	0	0	%100
83	M93	X	-5.305	-5.305	0	%100
84	M93	Z	-3.063	-3.063	0	%100
85	M95	X	-5.588	-5.588	0	%100
86	M95	Z	-3.226	-3.226	0	%100
87	M84B	X	-2.062	-2.062	0	%100
88	M84B	Z	-1.19	-1.19	0	%100
89	M89A	X	-2.062	-2.062	0	%100
90	M89A	Z	-1.19	-1.19	0	%100
91	M94A	X	-8.247	-8.247	0	%100
92	M94A	Z	-4.761	-4.761	0	%100
93	MP3C	X	-8.247	-8.247	0	%100
94	MP3C	Z	-4.761	-4.761	0	%100
95	MP4C	X	-8.247	-8.247	0	%100
96	MP4C	Z	-4.761	-4.761	0	%100
97	MP2C	X	-8.247	-8.247	0	%100
98	MP2C	Z	-4.761	-4.761	0	%100
99	MP1C	X	-8.247	-8.247	0	%100
100	MP1C	Z	-4.761	-4.761	0	%100
101	MP3B	X	-8.247	-8.247	0	%100
102	MP3B	Z	-4.761	-4.761	0	%100
103	MP4B	X	-8.247	-8.247	0	%100
104	MP4B	Z	-4.761	-4.761	0	%100
105	MP2B	X	-8.247	-8.247	0	%100
106	MP2B	Z	-4.761	-4.761	0	%100
107	MP1B	X	-8.247	-8.247	0	%100
108	MP1B	Z	-4.761	-4.761	0	%100
109	M109	X	-2.378	-2.378	0	%100
110	M109	Z	-1.373	-1.373	0	%100
111	M112	X	-2.378	-2.378	0	%100
112	M112	Z	-1.373	-1.373	0	%100
113	M115	X	-9.513	-9.513	0	%100
114	M115	Z	-5.492	-5.492	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.199	-5.199	0	%100
2	M1	Z	-9.005	-9.005	0	%100
3	M4	X	-1.948	-1.948	0	%100
4	M4	Z	-3.374	-3.374	0	%100
5	M10	X	-4.916	-4.916	0	%100
6	M10	Z	-8.515	-8.515	0	%100
7	MP3A	X	-4.761	-4.761	0	%100
8	MP3A	Z	-8.247	-8.247	0	%100
9	MP4A	X	-4.761	-4.761	0	%100
10	MP4A	Z	-8.247	-8.247	0	%100
11	MP2A	X	-4.761	-4.761	0	%100
12	MP2A	Z	-8.247	-8.247	0	%100
13	MP1A	X	-4.761	-4.761	0	%100
14	MP1A	Z	-8.247	-8.247	0	%100
15	M43	X	-4.916	-4.916	0	%100
16	M43	Z	-8.515	-8.515	0	%100
17	M46	X	-9.022	-9.022	0	%100
18	M46	Z	-15.626	-15.626	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-5.01	-5.01	0	%100
22	M52B	Z	-8.677	-8.677	0	%100
23	M76	X	-3.007	-3.007	0	%100
24	M76	Z	-5.209	-5.209	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-3.007	-3.007	0	%100
30	M84	Z	-5.209	-5.209	0	%100
31	M85	X	-9.189	-9.189	0	%100
32	M85	Z	-15.915	-15.915	0	%100
33	M91	X	-9.678	-9.678	0	%100
34	M91	Z	-16.763	-16.763	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M43A	X	-5.199	-5.199	0	%100
38	M43A	Z	-9.005	-9.005	0	%100
39	M52A	X	-7.791	-7.791	0	%100
40	M52A	Z	-13.495	-13.495	0	%100
41	M53	X	0	0	0	%100
42	M53	Z	0	0	0	%100
43	M54	X	0	0	0	%100
44	M54	Z	0	0	0	%100
45	M55	X	0	0	0	%100
46	M55	Z	0	0	0	%100
47	M58A	X	-5.01	-5.01	0	%100
48	M58A	Z	-8.677	-8.677	0	%100
49	M59A	X	-5.01	-5.01	0	%100
50	M59A	Z	-8.677	-8.677	0	%100
51	M63	X	-12.029	-12.029	0	%100
52	M63	Z	-20.835	-20.835	0	%100
53	M64	X	-9.189	-9.189	0	%100
54	M64	Z	-15.915	-15.915	0	%100
55	M66	X	-9.678	-9.678	0	%100
56	M66	Z	-16.763	-16.763	0	%100
57	M68	X	-12.029	-12.029	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	-20.835	-20.835	0	%100
59	M69	X	-9.189	-9.189	0	%100
60	M69	Z	-15.915	-15.915	0	%100
61	M71	X	-9.678	-9.678	0	%100
62	M71	Z	-16.763	-16.763	0	%100
63	M76A	X	-1.948	-1.948	0	%100
64	M76A	Z	-3.374	-3.374	0	%100
65	M77A	X	-4.916	-4.916	0	%100
66	M77A	Z	-8.515	-8.515	0	%100
67	M78	X	-4.916	-4.916	0	%100
68	M78	Z	-8.515	-8.515	0	%100
69	M79A	X	-9.022	-9.022	0	%100
70	M79A	Z	-15.626	-15.626	0	%100
71	M82	X	-5.01	-5.01	0	%100
72	M82	Z	-8.677	-8.677	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M87	X	-3.007	-3.007	0	%100
76	M87	Z	-5.209	-5.209	0	%100
77	M88A	X	-9.189	-9.189	0	%100
78	M88A	Z	-15.915	-15.915	0	%100
79	M90	X	-9.678	-9.678	0	%100
80	M90	Z	-16.763	-16.763	0	%100
81	M92A	X	-3.007	-3.007	0	%100
82	M92A	Z	-5.209	-5.209	0	%100
83	M93	X	0	0	0	%100
84	M93	Z	0	0	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	0	0	0	%100
87	M84B	X	-3.571	-3.571	0	%100
88	M84B	Z	-6.185	-6.185	0	%100
89	M89A	X	0	0	0	%100
90	M89A	Z	0	0	0	%100
91	M94A	X	-3.571	-3.571	0	%100
92	M94A	Z	-6.185	-6.185	0	%100
93	MP3C	X	-4.761	-4.761	0	%100
94	MP3C	Z	-8.247	-8.247	0	%100
95	MP4C	X	-4.761	-4.761	0	%100
96	MP4C	Z	-8.247	-8.247	0	%100
97	MP2C	X	-4.761	-4.761	0	%100
98	MP2C	Z	-8.247	-8.247	0	%100
99	MP1C	X	-4.761	-4.761	0	%100
100	MP1C	Z	-8.247	-8.247	0	%100
101	MP3B	X	-4.761	-4.761	0	%100
102	MP3B	Z	-8.247	-8.247	0	%100
103	MP4B	X	-4.761	-4.761	0	%100
104	MP4B	Z	-8.247	-8.247	0	%100
105	MP2B	X	-4.761	-4.761	0	%100
106	MP2B	Z	-8.247	-8.247	0	%100
107	MP1B	X	-4.761	-4.761	0	%100
108	MP1B	Z	-8.247	-8.247	0	%100
109	M109	X	-4.119	-4.119	0	%100
110	M109	Z	-7.135	-7.135	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	0	0	0	%100
113	M115	X	-4.119	-4.119	0	%100
114	M115	Z	-7.135	-7.135	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-4.263	-4.263	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-3.693	-3.693	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-3.439	-3.439	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-3.439	-3.439	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-3.439	-3.439	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-3.439	-3.439	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-3.693	-3.693	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-5.474	-5.474	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-1.007	-1.007	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-1.007	-1.007	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-1.367	-1.367	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-1.426	-1.426	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-1.367	-1.367	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-1.426	-1.426	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	-1.066	-1.066	0	%100
37	M43A	X	0	0	0	%100
38	M43A	Z	-1.066	-1.066	0	%100
39	M52A	X	0	0	0	%100
40	M52A	Z	-3.409	-3.409	0	%100
41	M53	X	0	0	0	%100
42	M53	Z	-.923	-.923	0	%100
43	M54	X	0	0	0	%100
44	M54	Z	-.923	-.923	0	%100
45	M55	X	0	0	0	%100
46	M55	Z	-1.369	-1.369	0	%100
47	M58A	X	0	0	0	%100
48	M58A	Z	-1.007	-1.007	0	%100
49	M59A	X	0	0	0	%100
50	M59A	Z	-4.03	-4.03	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	-4.039	-4.039	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	-1.367	-1.367	0	%100
55	M66	X	0	0	0	%100
56	M66	Z	-1.426	-1.426	0	%100
57	M68	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	-4.039	-4.039	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	-5.467	-5.467	0	%100
61	M71	X	0	0	0	%100
62	M71	Z	-5.705	-5.705	0	%100
63	M76A	X	0	0	0	%100
64	M76A	Z	-3.409	-3.409	0	%100
65	M77A	X	0	0	0	%100
66	M77A	Z	-.923	-.923	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	-.923	-.923	0	%100
69	M79A	X	0	0	0	%100
70	M79A	Z	-1.369	-1.369	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	-4.03	-4.03	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	-1.007	-1.007	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	-4.039	-4.039	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	-5.467	-5.467	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	-5.705	-5.705	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	-4.039	-4.039	0	%100
83	M93	X	0	0	0	%100
84	M93	Z	-1.367	-1.367	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	-1.426	-1.426	0	%100
87	M84B	X	0	0	0	%100
88	M84B	Z	-3.439	-3.439	0	%100
89	M89A	X	0	0	0	%100
90	M89A	Z	-.86	-.86	0	%100
91	M94A	X	0	0	0	%100
92	M94A	Z	-.86	-.86	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-3.439	-3.439	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	-3.439	-3.439	0	%100
97	MP2C	X	0	0	0	%100
98	MP2C	Z	-3.439	-3.439	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-3.439	-3.439	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	-3.439	-3.439	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-3.439	-3.439	0	%100
105	MP2B	X	0	0	0	%100
106	MP2B	Z	-3.439	-3.439	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	-3.439	-3.439	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	-3.091	-3.091	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	-.773	-.773	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	-.773	-.773	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.598	1.598	0	%100
2	M1	Z	-2.769	-2.769	0	%100
3	M4	X	.568	.568	0	%100
4	M4	Z	-.984	-.984	0	%100
5	M10	X	1.385	1.385	0	%100
6	M10	Z	-2.399	-2.399	0	%100
7	MP3A	X	1.719	1.719	0	%100
8	MP3A	Z	-2.978	-2.978	0	%100
9	MP4A	X	1.719	1.719	0	%100
10	MP4A	Z	-2.978	-2.978	0	%100
11	MP2A	X	1.719	1.719	0	%100
12	MP2A	Z	-2.978	-2.978	0	%100
13	MP1A	X	1.719	1.719	0	%100
14	MP1A	Z	-2.978	-2.978	0	%100
15	M43	X	1.385	1.385	0	%100
16	M43	Z	-2.399	-2.399	0	%100
17	M46	X	2.053	2.053	0	%100
18	M46	Z	-3.556	-3.556	0	%100
19	M51B	X	1.511	1.511	0	%100
20	M51B	Z	-2.617	-2.617	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.673	.673	0	%100
24	M76	Z	-1.166	-1.166	0	%100
25	M77	X	2.05	2.05	0	%100
26	M77	Z	-3.551	-3.551	0	%100
27	M80	X	2.139	2.139	0	%100
28	M80	Z	-3.705	-3.705	0	%100
29	M84	X	.673	.673	0	%100
30	M84	Z	-1.166	-1.166	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	1.598	1.598	0	%100
36	M34	Z	-2.769	-2.769	0	%100
37	M43A	X	0	0	0	%100
38	M43A	Z	0	0	0	%100
39	M52A	X	.568	.568	0	%100
40	M52A	Z	-.984	-.984	0	%100
41	M53	X	1.385	1.385	0	%100
42	M53	Z	-2.399	-2.399	0	%100
43	M54	X	1.385	1.385	0	%100
44	M54	Z	-2.399	-2.399	0	%100
45	M55	X	2.053	2.053	0	%100
46	M55	Z	-3.556	-3.556	0	%100
47	M58A	X	0	0	0	%100
48	M58A	Z	0	0	0	%100
49	M59A	X	1.511	1.511	0	%100
50	M59A	Z	-2.617	-2.617	0	%100
51	M63	X	.673	.673	0	%100
52	M63	Z	-1.166	-1.166	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	0	0	0	%100
55	M66	X	0	0	0	%100
56	M66	Z	0	0	0	%100
57	M68	X	.673	.673	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	-1.166	-1.166	0	%100
59	M69	X	2.05	2.05	0	%100
60	M69	Z	-3.551	-3.551	0	%100
61	M71	X	2.139	2.139	0	%100
62	M71	Z	-3.705	-3.705	0	%100
63	M76A	X	2.273	2.273	0	%100
64	M76A	Z	-3.937	-3.937	0	%100
65	M77A	X	0	0	0	%100
66	M77A	Z	0	0	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	0	0	0	%100
69	M79A	X	0	0	0	%100
70	M79A	Z	0	0	0	%100
71	M82	X	1.511	1.511	0	%100
72	M82	Z	-2.617	-2.617	0	%100
73	M83A	X	1.511	1.511	0	%100
74	M83A	Z	-2.617	-2.617	0	%100
75	M87	X	2.693	2.693	0	%100
76	M87	Z	-4.664	-4.664	0	%100
77	M88A	X	2.05	2.05	0	%100
78	M88A	Z	-3.551	-3.551	0	%100
79	M90	X	2.139	2.139	0	%100
80	M90	Z	-3.705	-3.705	0	%100
81	M92A	X	2.693	2.693	0	%100
82	M92A	Z	-4.664	-4.664	0	%100
83	M93	X	2.05	2.05	0	%100
84	M93	Z	-3.551	-3.551	0	%100
85	M95	X	2.139	2.139	0	%100
86	M95	Z	-3.705	-3.705	0	%100
87	M84B	X	1.29	1.29	0	%100
88	M84B	Z	-2.234	-2.234	0	%100
89	M89A	X	1.29	1.29	0	%100
90	M89A	Z	-2.234	-2.234	0	%100
91	M94A	X	0	0	0	%100
92	M94A	Z	0	0	0	%100
93	MP3C	X	1.719	1.719	0	%100
94	MP3C	Z	-2.978	-2.978	0	%100
95	MP4C	X	1.719	1.719	0	%100
96	MP4C	Z	-2.978	-2.978	0	%100
97	MP2C	X	1.719	1.719	0	%100
98	MP2C	Z	-2.978	-2.978	0	%100
99	MP1C	X	1.719	1.719	0	%100
100	MP1C	Z	-2.978	-2.978	0	%100
101	MP3B	X	1.719	1.719	0	%100
102	MP3B	Z	-2.978	-2.978	0	%100
103	MP4B	X	1.719	1.719	0	%100
104	MP4B	Z	-2.978	-2.978	0	%100
105	MP2B	X	1.719	1.719	0	%100
106	MP2B	Z	-2.978	-2.978	0	%100
107	MP1B	X	1.719	1.719	0	%100
108	MP1B	Z	-2.978	-2.978	0	%100
109	M109	X	1.159	1.159	0	%100
110	M109	Z	-2.008	-2.008	0	%100
111	M112	X	1.159	1.159	0	%100
112	M112	Z	-2.008	-2.008	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.923	.923	0	%100
2	M1	Z	-.533	-.533	0	%100
3	M4	X	2.952	2.952	0	%100
4	M4	Z	-1.705	-1.705	0	%100
5	M10	X	.8	.8	0	%100
6	M10	Z	-.462	-.462	0	%100
7	MP3A	X	2.978	2.978	0	%100
8	MP3A	Z	-1.719	-1.719	0	%100
9	MP4A	X	2.978	2.978	0	%100
10	MP4A	Z	-1.719	-1.719	0	%100
11	MP2A	X	2.978	2.978	0	%100
12	MP2A	Z	-1.719	-1.719	0	%100
13	MP1A	X	2.978	2.978	0	%100
14	MP1A	Z	-1.719	-1.719	0	%100
15	M43	X	.8	.8	0	%100
16	M43	Z	-.462	-.462	0	%100
17	M46	X	1.185	1.185	0	%100
18	M46	Z	-.684	-.684	0	%100
19	M51B	X	3.49	3.49	0	%100
20	M51B	Z	-2.015	-2.015	0	%100
21	M52B	X	.872	.872	0	%100
22	M52B	Z	-.504	-.504	0	%100
23	M76	X	3.498	3.498	0	%100
24	M76	Z	-2.019	-2.019	0	%100
25	M77	X	4.734	4.734	0	%100
26	M77	Z	-2.733	-2.733	0	%100
27	M80	X	4.941	4.941	0	%100
28	M80	Z	-2.852	-2.852	0	%100
29	M84	X	3.498	3.498	0	%100
30	M84	Z	-2.019	-2.019	0	%100
31	M85	X	1.184	1.184	0	%100
32	M85	Z	-.683	-.683	0	%100
33	M91	X	1.235	1.235	0	%100
34	M91	Z	-.713	-.713	0	%100
35	M34	X	3.692	3.692	0	%100
36	M34	Z	-2.131	-2.131	0	%100
37	M43A	X	.923	.923	0	%100
38	M43A	Z	-.533	-.533	0	%100
39	M52A	X	0	0	0	%100
40	M52A	Z	0	0	0	%100
41	M53	X	3.199	3.199	0	%100
42	M53	Z	-1.847	-1.847	0	%100
43	M54	X	3.199	3.199	0	%100
44	M54	Z	-1.847	-1.847	0	%100
45	M55	X	4.741	4.741	0	%100
46	M55	Z	-2.737	-2.737	0	%100
47	M58A	X	.872	.872	0	%100
48	M58A	Z	-.504	-.504	0	%100
49	M59A	X	.872	.872	0	%100
50	M59A	Z	-.504	-.504	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	0	0	0	%100
53	M64	X	1.184	1.184	0	%100
54	M64	Z	-.683	-.683	0	%100
55	M66	X	1.235	1.235	0	%100
56	M66	Z	-.713	-.713	0	%100
57	M68	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	0	0	0	%100
59	M69	X	1.184	1.184	0	%100
60	M69	Z	-.683	-.683	0	%100
61	M71	X	1.235	1.235	0	%100
62	M71	Z	-.713	-.713	0	%100
63	M76A	X	2.952	2.952	0	%100
64	M76A	Z	-1.705	-1.705	0	%100
65	M77A	X	.8	.8	0	%100
66	M77A	Z	-.462	-.462	0	%100
67	M78	X	.8	.8	0	%100
68	M78	Z	-.462	-.462	0	%100
69	M79A	X	1.185	1.185	0	%100
70	M79A	Z	-.684	-.684	0	%100
71	M82	X	.872	.872	0	%100
72	M82	Z	-.504	-.504	0	%100
73	M83A	X	3.49	3.49	0	%100
74	M83A	Z	-2.015	-2.015	0	%100
75	M87	X	3.498	3.498	0	%100
76	M87	Z	-2.019	-2.019	0	%100
77	M88A	X	1.184	1.184	0	%100
78	M88A	Z	-.683	-.683	0	%100
79	M90	X	1.235	1.235	0	%100
80	M90	Z	-.713	-.713	0	%100
81	M92A	X	3.498	3.498	0	%100
82	M92A	Z	-2.019	-2.019	0	%100
83	M93	X	4.734	4.734	0	%100
84	M93	Z	-2.733	-2.733	0	%100
85	M95	X	4.941	4.941	0	%100
86	M95	Z	-2.852	-2.852	0	%100
87	M84B	X	.745	.745	0	%100
88	M84B	Z	-.43	-.43	0	%100
89	M89A	X	2.978	2.978	0	%100
90	M89A	Z	-1.719	-1.719	0	%100
91	M94A	X	.745	.745	0	%100
92	M94A	Z	-.43	-.43	0	%100
93	MP3C	X	2.978	2.978	0	%100
94	MP3C	Z	-1.719	-1.719	0	%100
95	MP4C	X	2.978	2.978	0	%100
96	MP4C	Z	-1.719	-1.719	0	%100
97	MP2C	X	2.978	2.978	0	%100
98	MP2C	Z	-1.719	-1.719	0	%100
99	MP1C	X	2.978	2.978	0	%100
100	MP1C	Z	-1.719	-1.719	0	%100
101	MP3B	X	2.978	2.978	0	%100
102	MP3B	Z	-1.719	-1.719	0	%100
103	MP4B	X	2.978	2.978	0	%100
104	MP4B	Z	-1.719	-1.719	0	%100
105	MP2B	X	2.978	2.978	0	%100
106	MP2B	Z	-1.719	-1.719	0	%100
107	MP1B	X	2.978	2.978	0	%100
108	MP1B	Z	-1.719	-1.719	0	%100
109	M109	X	.669	.669	0	%100
110	M109	Z	-.386	-.386	0	%100
111	M112	X	2.677	2.677	0	%100
112	M112	Z	-1.546	-1.546	0	%100
113	M115	X	.669	.669	0	%100
114	M115	Z	-.386	-.386	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	4.546	4.546	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	3.439	3.439	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	3.439	3.439	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	3.439	3.439	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	3.439	3.439	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	3.022	3.022	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	3.022	3.022	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	5.385	5.385	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	4.1	4.1	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	4.279	4.279	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	5.385	5.385	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	4.1	4.1	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	4.279	4.279	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	3.197	3.197	0	%100
36	M34	Z	0	0	0	%100
37	M43A	X	3.197	3.197	0	%100
38	M43A	Z	0	0	0	%100
39	M52A	X	1.136	1.136	0	%100
40	M52A	Z	0	0	0	%100
41	M53	X	2.77	2.77	0	%100
42	M53	Z	0	0	0	%100
43	M54	X	2.77	2.77	0	%100
44	M54	Z	0	0	0	%100
45	M55	X	4.106	4.106	0	%100
46	M55	Z	0	0	0	%100
47	M58A	X	3.022	3.022	0	%100
48	M58A	Z	0	0	0	%100
49	M59A	X	0	0	0	%100
50	M59A	Z	0	0	0	%100
51	M63	X	1.346	1.346	0	%100
52	M63	Z	0	0	0	%100
53	M64	X	4.1	4.1	0	%100
54	M64	Z	0	0	0	%100
55	M66	X	4.279	4.279	0	%100
56	M66	Z	0	0	0	%100
57	M68	X	1.346	1.346	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	0	0	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	0	0	0	%100
61	M71	X	0	0	0	%100
62	M71	Z	0	0	0	%100
63	M76A	X	1.136	1.136	0	%100
64	M76A	Z	0	0	0	%100
65	M77A	X	2.77	2.77	0	%100
66	M77A	Z	0	0	0	%100
67	M78	X	2.77	2.77	0	%100
68	M78	Z	0	0	0	%100
69	M79A	X	4.106	4.106	0	%100
70	M79A	Z	0	0	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83A	X	3.022	3.022	0	%100
74	M83A	Z	0	0	0	%100
75	M87	X	1.346	1.346	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	0	0	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	1.346	1.346	0	%100
82	M92A	Z	0	0	0	%100
83	M93	X	4.1	4.1	0	%100
84	M93	Z	0	0	0	%100
85	M95	X	4.279	4.279	0	%100
86	M95	Z	0	0	0	%100
87	M84B	X	0	0	0	%100
88	M84B	Z	0	0	0	%100
89	M89A	X	2.579	2.579	0	%100
90	M89A	Z	0	0	0	%100
91	M94A	X	2.579	2.579	0	%100
92	M94A	Z	0	0	0	%100
93	MP3C	X	3.439	3.439	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	3.439	3.439	0	%100
96	MP4C	Z	0	0	0	%100
97	MP2C	X	3.439	3.439	0	%100
98	MP2C	Z	0	0	0	%100
99	MP1C	X	3.439	3.439	0	%100
100	MP1C	Z	0	0	0	%100
101	MP3B	X	3.439	3.439	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	3.439	3.439	0	%100
104	MP4B	Z	0	0	0	%100
105	MP2B	X	3.439	3.439	0	%100
106	MP2B	Z	0	0	0	%100
107	MP1B	X	3.439	3.439	0	%100
108	MP1B	Z	0	0	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	0	0	0	%100
111	M112	X	2.319	2.319	0	%100
112	M112	Z	0	0	0	%100
113	M115	X	2.319	2.319	0	%100
114	M115	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.923	.923	0	%100
2	M1	Z	.533	.533	0	%100
3	M4	X	2.952	2.952	0	%100
4	M4	Z	1.705	1.705	0	%100
5	M10	X	.8	.8	0	%100
6	M10	Z	.462	.462	0	%100
7	MP3A	X	2.978	2.978	0	%100
8	MP3A	Z	1.719	1.719	0	%100
9	MP4A	X	2.978	2.978	0	%100
10	MP4A	Z	1.719	1.719	0	%100
11	MP2A	X	2.978	2.978	0	%100
12	MP2A	Z	1.719	1.719	0	%100
13	MP1A	X	2.978	2.978	0	%100
14	MP1A	Z	1.719	1.719	0	%100
15	M43	X	.8	.8	0	%100
16	M43	Z	.462	.462	0	%100
17	M46	X	1.185	1.185	0	%100
18	M46	Z	.684	.684	0	%100
19	M51B	X	.872	.872	0	%100
20	M51B	Z	.504	.504	0	%100
21	M52B	X	3.49	3.49	0	%100
22	M52B	Z	2.015	2.015	0	%100
23	M76	X	3.498	3.498	0	%100
24	M76	Z	2.019	2.019	0	%100
25	M77	X	1.184	1.184	0	%100
26	M77	Z	.683	.683	0	%100
27	M80	X	1.235	1.235	0	%100
28	M80	Z	.713	.713	0	%100
29	M84	X	3.498	3.498	0	%100
30	M84	Z	2.019	2.019	0	%100
31	M85	X	4.734	4.734	0	%100
32	M85	Z	2.733	2.733	0	%100
33	M91	X	4.941	4.941	0	%100
34	M91	Z	2.852	2.852	0	%100
35	M34	X	.923	.923	0	%100
36	M34	Z	.533	.533	0	%100
37	M43A	X	3.692	3.692	0	%100
38	M43A	Z	2.131	2.131	0	%100
39	M52A	X	2.952	2.952	0	%100
40	M52A	Z	1.705	1.705	0	%100
41	M53	X	.8	.8	0	%100
42	M53	Z	.462	.462	0	%100
43	M54	X	.8	.8	0	%100
44	M54	Z	.462	.462	0	%100
45	M55	X	1.185	1.185	0	%100
46	M55	Z	.684	.684	0	%100
47	M58A	X	3.49	3.49	0	%100
48	M58A	Z	2.015	2.015	0	%100
49	M59A	X	.872	.872	0	%100
50	M59A	Z	.504	.504	0	%100
51	M63	X	3.498	3.498	0	%100
52	M63	Z	2.019	2.019	0	%100
53	M64	X	4.734	4.734	0	%100
54	M64	Z	2.733	2.733	0	%100
55	M66	X	4.941	4.941	0	%100
56	M66	Z	2.852	2.852	0	%100
57	M68	X	3.498	3.498	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	2.019	2.019	0	%100
59	M69	X	1.184	1.184	0	%100
60	M69	Z	.683	.683	0	%100
61	M71	X	1.235	1.235	0	%100
62	M71	Z	.713	.713	0	%100
63	M76A	X	0	0	0	%100
64	M76A	Z	0	0	0	%100
65	M77A	X	3.199	3.199	0	%100
66	M77A	Z	1.847	1.847	0	%100
67	M78	X	3.199	3.199	0	%100
68	M78	Z	1.847	1.847	0	%100
69	M79A	X	4.741	4.741	0	%100
70	M79A	Z	2.737	2.737	0	%100
71	M82	X	.872	.872	0	%100
72	M82	Z	.504	.504	0	%100
73	M83A	X	.872	.872	0	%100
74	M83A	Z	.504	.504	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	1.184	1.184	0	%100
78	M88A	Z	.683	.683	0	%100
79	M90	X	1.235	1.235	0	%100
80	M90	Z	.713	.713	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	0	0	0	%100
83	M93	X	1.184	1.184	0	%100
84	M93	Z	.683	.683	0	%100
85	M95	X	1.235	1.235	0	%100
86	M95	Z	.713	.713	0	%100
87	M84B	X	.745	.745	0	%100
88	M84B	Z	.43	.43	0	%100
89	M89A	X	.745	.745	0	%100
90	M89A	Z	.43	.43	0	%100
91	M94A	X	2.978	2.978	0	%100
92	M94A	Z	1.719	1.719	0	%100
93	MP3C	X	2.978	2.978	0	%100
94	MP3C	Z	1.719	1.719	0	%100
95	MP4C	X	2.978	2.978	0	%100
96	MP4C	Z	1.719	1.719	0	%100
97	MP2C	X	2.978	2.978	0	%100
98	MP2C	Z	1.719	1.719	0	%100
99	MP1C	X	2.978	2.978	0	%100
100	MP1C	Z	1.719	1.719	0	%100
101	MP3B	X	2.978	2.978	0	%100
102	MP3B	Z	1.719	1.719	0	%100
103	MP4B	X	2.978	2.978	0	%100
104	MP4B	Z	1.719	1.719	0	%100
105	MP2B	X	2.978	2.978	0	%100
106	MP2B	Z	1.719	1.719	0	%100
107	MP1B	X	2.978	2.978	0	%100
108	MP1B	Z	1.719	1.719	0	%100
109	M109	X	.669	.669	0	%100
110	M109	Z	.386	.386	0	%100
111	M112	X	.669	.669	0	%100
112	M112	Z	.386	.386	0	%100
113	M115	X	2.677	2.677	0	%100
114	M115	Z	1.546	1.546	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.598	1.598	0	%100
2	M1	Z	2.769	2.769	0	%100
3	M4	X	.568	.568	0	%100
4	M4	Z	.984	.984	0	%100
5	M10	X	1.385	1.385	0	%100
6	M10	Z	2.399	2.399	0	%100
7	MP3A	X	1.719	1.719	0	%100
8	MP3A	Z	2.978	2.978	0	%100
9	MP4A	X	1.719	1.719	0	%100
10	MP4A	Z	2.978	2.978	0	%100
11	MP2A	X	1.719	1.719	0	%100
12	MP2A	Z	2.978	2.978	0	%100
13	MP1A	X	1.719	1.719	0	%100
14	MP1A	Z	2.978	2.978	0	%100
15	M43	X	1.385	1.385	0	%100
16	M43	Z	2.399	2.399	0	%100
17	M46	X	2.053	2.053	0	%100
18	M46	Z	3.556	3.556	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	1.511	1.511	0	%100
22	M52B	Z	2.617	2.617	0	%100
23	M76	X	.673	.673	0	%100
24	M76	Z	1.166	1.166	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.673	.673	0	%100
30	M84	Z	1.166	1.166	0	%100
31	M85	X	2.05	2.05	0	%100
32	M85	Z	3.551	3.551	0	%100
33	M91	X	2.139	2.139	0	%100
34	M91	Z	3.705	3.705	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M43A	X	1.598	1.598	0	%100
38	M43A	Z	2.769	2.769	0	%100
39	M52A	X	2.273	2.273	0	%100
40	M52A	Z	3.937	3.937	0	%100
41	M53	X	0	0	0	%100
42	M53	Z	0	0	0	%100
43	M54	X	0	0	0	%100
44	M54	Z	0	0	0	%100
45	M55	X	0	0	0	%100
46	M55	Z	0	0	0	%100
47	M58A	X	1.511	1.511	0	%100
48	M58A	Z	2.617	2.617	0	%100
49	M59A	X	1.511	1.511	0	%100
50	M59A	Z	2.617	2.617	0	%100
51	M63	X	2.693	2.693	0	%100
52	M63	Z	4.664	4.664	0	%100
53	M64	X	2.05	2.05	0	%100
54	M64	Z	3.551	3.551	0	%100
55	M66	X	2.139	2.139	0	%100
56	M66	Z	3.705	3.705	0	%100
57	M68	X	2.693	2.693	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	4.664	4.664	0	%100
59	M69	X	2.05	2.05	0	%100
60	M69	Z	3.551	3.551	0	%100
61	M71	X	2.139	2.139	0	%100
62	M71	Z	3.705	3.705	0	%100
63	M76A	X	.568	.568	0	%100
64	M76A	Z	.984	.984	0	%100
65	M77A	X	1.385	1.385	0	%100
66	M77A	Z	2.399	2.399	0	%100
67	M78	X	1.385	1.385	0	%100
68	M78	Z	2.399	2.399	0	%100
69	M79A	X	2.053	2.053	0	%100
70	M79A	Z	3.556	3.556	0	%100
71	M82	X	1.511	1.511	0	%100
72	M82	Z	2.617	2.617	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M87	X	.673	.673	0	%100
76	M87	Z	1.166	1.166	0	%100
77	M88A	X	2.05	2.05	0	%100
78	M88A	Z	3.551	3.551	0	%100
79	M90	X	2.139	2.139	0	%100
80	M90	Z	3.705	3.705	0	%100
81	M92A	X	.673	.673	0	%100
82	M92A	Z	1.166	1.166	0	%100
83	M93	X	0	0	0	%100
84	M93	Z	0	0	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	0	0	0	%100
87	M84B	X	1.29	1.29	0	%100
88	M84B	Z	2.234	2.234	0	%100
89	M89A	X	0	0	0	%100
90	M89A	Z	0	0	0	%100
91	M94A	X	1.29	1.29	0	%100
92	M94A	Z	2.234	2.234	0	%100
93	MP3C	X	1.719	1.719	0	%100
94	MP3C	Z	2.978	2.978	0	%100
95	MP4C	X	1.719	1.719	0	%100
96	MP4C	Z	2.978	2.978	0	%100
97	MP2C	X	1.719	1.719	0	%100
98	MP2C	Z	2.978	2.978	0	%100
99	MP1C	X	1.719	1.719	0	%100
100	MP1C	Z	2.978	2.978	0	%100
101	MP3B	X	1.719	1.719	0	%100
102	MP3B	Z	2.978	2.978	0	%100
103	MP4B	X	1.719	1.719	0	%100
104	MP4B	Z	2.978	2.978	0	%100
105	MP2B	X	1.719	1.719	0	%100
106	MP2B	Z	2.978	2.978	0	%100
107	MP1B	X	1.719	1.719	0	%100
108	MP1B	Z	2.978	2.978	0	%100
109	M109	X	1.159	1.159	0	%100
110	M109	Z	2.008	2.008	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	0	0	0	%100
113	M115	X	1.159	1.159	0	%100
114	M115	Z	2.008	2.008	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	4.263	4.263	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	3.693	3.693	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	3.439	3.439	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	3.439	3.439	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	3.439	3.439	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	3.439	3.439	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	3.693	3.693	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	5.474	5.474	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	1.007	1.007	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	1.007	1.007	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	1.367	1.367	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	1.426	1.426	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	1.367	1.367	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	1.426	1.426	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	1.066	1.066	0	%100
37	M43A	X	0	0	0	%100
38	M43A	Z	1.066	1.066	0	%100
39	M52A	X	0	0	0	%100
40	M52A	Z	3.409	3.409	0	%100
41	M53	X	0	0	0	%100
42	M53	Z	.923	.923	0	%100
43	M54	X	0	0	0	%100
44	M54	Z	.923	.923	0	%100
45	M55	X	0	0	0	%100
46	M55	Z	1.369	1.369	0	%100
47	M58A	X	0	0	0	%100
48	M58A	Z	1.007	1.007	0	%100
49	M59A	X	0	0	0	%100
50	M59A	Z	4.03	4.03	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	4.039	4.039	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	1.367	1.367	0	%100
55	M66	X	0	0	0	%100
56	M66	Z	1.426	1.426	0	%100
57	M68	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	4.039	4.039	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	5.467	5.467	0	%100
61	M71	X	0	0	0	%100
62	M71	Z	5.705	5.705	0	%100
63	M76A	X	0	0	0	%100
64	M76A	Z	3.409	3.409	0	%100
65	M77A	X	0	0	0	%100
66	M77A	Z	.923	.923	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	.923	.923	0	%100
69	M79A	X	0	0	0	%100
70	M79A	Z	1.369	1.369	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	4.03	4.03	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	1.007	1.007	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	4.039	4.039	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	5.467	5.467	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	5.705	5.705	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	4.039	4.039	0	%100
83	M93	X	0	0	0	%100
84	M93	Z	1.367	1.367	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	1.426	1.426	0	%100
87	M84B	X	0	0	0	%100
88	M84B	Z	3.439	3.439	0	%100
89	M89A	X	0	0	0	%100
90	M89A	Z	.86	.86	0	%100
91	M94A	X	0	0	0	%100
92	M94A	Z	.86	.86	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	3.439	3.439	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	3.439	3.439	0	%100
97	MP2C	X	0	0	0	%100
98	MP2C	Z	3.439	3.439	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	3.439	3.439	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	3.439	3.439	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	3.439	3.439	0	%100
105	MP2B	X	0	0	0	%100
106	MP2B	Z	3.439	3.439	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	3.439	3.439	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	3.091	3.091	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	.773	.773	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	.773	.773	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.598	-1.598	0	%100
2	M1	Z	2.769	2.769	0	%100
3	M4	X	-.568	-.568	0	%100
4	M4	Z	.984	.984	0	%100
5	M10	X	-1.385	-1.385	0	%100
6	M10	Z	2.399	2.399	0	%100
7	MP3A	X	-1.719	-1.719	0	%100
8	MP3A	Z	2.978	2.978	0	%100
9	MP4A	X	-1.719	-1.719	0	%100
10	MP4A	Z	2.978	2.978	0	%100
11	MP2A	X	-1.719	-1.719	0	%100
12	MP2A	Z	2.978	2.978	0	%100
13	MP1A	X	-1.719	-1.719	0	%100
14	MP1A	Z	2.978	2.978	0	%100
15	M43	X	-1.385	-1.385	0	%100
16	M43	Z	2.399	2.399	0	%100
17	M46	X	-2.053	-2.053	0	%100
18	M46	Z	3.556	3.556	0	%100
19	M51B	X	-1.511	-1.511	0	%100
20	M51B	Z	2.617	2.617	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-.673	-.673	0	%100
24	M76	Z	1.166	1.166	0	%100
25	M77	X	-2.05	-2.05	0	%100
26	M77	Z	3.551	3.551	0	%100
27	M80	X	-2.139	-2.139	0	%100
28	M80	Z	3.705	3.705	0	%100
29	M84	X	-.673	-.673	0	%100
30	M84	Z	1.166	1.166	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-1.598	-1.598	0	%100
36	M34	Z	2.769	2.769	0	%100
37	M43A	X	0	0	0	%100
38	M43A	Z	0	0	0	%100
39	M52A	X	-.568	-.568	0	%100
40	M52A	Z	.984	.984	0	%100
41	M53	X	-1.385	-1.385	0	%100
42	M53	Z	2.399	2.399	0	%100
43	M54	X	-1.385	-1.385	0	%100
44	M54	Z	2.399	2.399	0	%100
45	M55	X	-2.053	-2.053	0	%100
46	M55	Z	3.556	3.556	0	%100
47	M58A	X	0	0	0	%100
48	M58A	Z	0	0	0	%100
49	M59A	X	-1.511	-1.511	0	%100
50	M59A	Z	2.617	2.617	0	%100
51	M63	X	-.673	-.673	0	%100
52	M63	Z	1.166	1.166	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	0	0	0	%100
55	M66	X	0	0	0	%100
56	M66	Z	0	0	0	%100
57	M68	X	-.673	-.673	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	1.166	1.166	0	%100
59	M69	X	-2.05	-2.05	0	%100
60	M69	Z	3.551	3.551	0	%100
61	M71	X	-2.139	-2.139	0	%100
62	M71	Z	3.705	3.705	0	%100
63	M76A	X	-2.273	-2.273	0	%100
64	M76A	Z	3.937	3.937	0	%100
65	M77A	X	0	0	0	%100
66	M77A	Z	0	0	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	0	0	0	%100
69	M79A	X	0	0	0	%100
70	M79A	Z	0	0	0	%100
71	M82	X	-1.511	-1.511	0	%100
72	M82	Z	2.617	2.617	0	%100
73	M83A	X	-1.511	-1.511	0	%100
74	M83A	Z	2.617	2.617	0	%100
75	M87	X	-2.693	-2.693	0	%100
76	M87	Z	4.664	4.664	0	%100
77	M88A	X	-2.05	-2.05	0	%100
78	M88A	Z	3.551	3.551	0	%100
79	M90	X	-2.139	-2.139	0	%100
80	M90	Z	3.705	3.705	0	%100
81	M92A	X	-2.693	-2.693	0	%100
82	M92A	Z	4.664	4.664	0	%100
83	M93	X	-2.05	-2.05	0	%100
84	M93	Z	3.551	3.551	0	%100
85	M95	X	-2.139	-2.139	0	%100
86	M95	Z	3.705	3.705	0	%100
87	M84B	X	-1.29	-1.29	0	%100
88	M84B	Z	2.234	2.234	0	%100
89	M89A	X	-1.29	-1.29	0	%100
90	M89A	Z	2.234	2.234	0	%100
91	M94A	X	0	0	0	%100
92	M94A	Z	0	0	0	%100
93	MP3C	X	-1.719	-1.719	0	%100
94	MP3C	Z	2.978	2.978	0	%100
95	MP4C	X	-1.719	-1.719	0	%100
96	MP4C	Z	2.978	2.978	0	%100
97	MP2C	X	-1.719	-1.719	0	%100
98	MP2C	Z	2.978	2.978	0	%100
99	MP1C	X	-1.719	-1.719	0	%100
100	MP1C	Z	2.978	2.978	0	%100
101	MP3B	X	-1.719	-1.719	0	%100
102	MP3B	Z	2.978	2.978	0	%100
103	MP4B	X	-1.719	-1.719	0	%100
104	MP4B	Z	2.978	2.978	0	%100
105	MP2B	X	-1.719	-1.719	0	%100
106	MP2B	Z	2.978	2.978	0	%100
107	MP1B	X	-1.719	-1.719	0	%100
108	MP1B	Z	2.978	2.978	0	%100
109	M109	X	-1.159	-1.159	0	%100
110	M109	Z	2.008	2.008	0	%100
111	M112	X	-1.159	-1.159	0	%100
112	M112	Z	2.008	2.008	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.923	-.923	0	%100
2	M1	Z	.533	.533	0	%100
3	M4	X	-2.952	-2.952	0	%100
4	M4	Z	1.705	1.705	0	%100
5	M10	X	-.8	-.8	0	%100
6	M10	Z	.462	.462	0	%100
7	MP3A	X	-2.978	-2.978	0	%100
8	MP3A	Z	1.719	1.719	0	%100
9	MP4A	X	-2.978	-2.978	0	%100
10	MP4A	Z	1.719	1.719	0	%100
11	MP2A	X	-2.978	-2.978	0	%100
12	MP2A	Z	1.719	1.719	0	%100
13	MP1A	X	-2.978	-2.978	0	%100
14	MP1A	Z	1.719	1.719	0	%100
15	M43	X	-.8	-.8	0	%100
16	M43	Z	.462	.462	0	%100
17	M46	X	-1.185	-1.185	0	%100
18	M46	Z	.684	.684	0	%100
19	M51B	X	-3.49	-3.49	0	%100
20	M51B	Z	2.015	2.015	0	%100
21	M52B	X	-.872	-.872	0	%100
22	M52B	Z	.504	.504	0	%100
23	M76	X	-3.498	-3.498	0	%100
24	M76	Z	2.019	2.019	0	%100
25	M77	X	-4.734	-4.734	0	%100
26	M77	Z	2.733	2.733	0	%100
27	M80	X	-4.941	-4.941	0	%100
28	M80	Z	2.852	2.852	0	%100
29	M84	X	-3.498	-3.498	0	%100
30	M84	Z	2.019	2.019	0	%100
31	M85	X	-1.184	-1.184	0	%100
32	M85	Z	.683	.683	0	%100
33	M91	X	-1.235	-1.235	0	%100
34	M91	Z	.713	.713	0	%100
35	M34	X	-3.692	-3.692	0	%100
36	M34	Z	2.131	2.131	0	%100
37	M43A	X	-.923	-.923	0	%100
38	M43A	Z	.533	.533	0	%100
39	M52A	X	0	0	0	%100
40	M52A	Z	0	0	0	%100
41	M53	X	-3.199	-3.199	0	%100
42	M53	Z	1.847	1.847	0	%100
43	M54	X	-3.199	-3.199	0	%100
44	M54	Z	1.847	1.847	0	%100
45	M55	X	-4.741	-4.741	0	%100
46	M55	Z	2.737	2.737	0	%100
47	M58A	X	-.872	-.872	0	%100
48	M58A	Z	.504	.504	0	%100
49	M59A	X	-.872	-.872	0	%100
50	M59A	Z	.504	.504	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	0	0	0	%100
53	M64	X	-1.184	-1.184	0	%100
54	M64	Z	.683	.683	0	%100
55	M66	X	-1.235	-1.235	0	%100
56	M66	Z	.713	.713	0	%100
57	M68	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	0	0	0	%100
59	M69	X	-1.184	-1.184	0	%100
60	M69	Z	.683	.683	0	%100
61	M71	X	-1.235	-1.235	0	%100
62	M71	Z	.713	.713	0	%100
63	M76A	X	-2.952	-2.952	0	%100
64	M76A	Z	1.705	1.705	0	%100
65	M77A	X	-.8	-.8	0	%100
66	M77A	Z	.462	.462	0	%100
67	M78	X	-.8	-.8	0	%100
68	M78	Z	.462	.462	0	%100
69	M79A	X	-1.185	-1.185	0	%100
70	M79A	Z	.684	.684	0	%100
71	M82	X	-.872	-.872	0	%100
72	M82	Z	.504	.504	0	%100
73	M83A	X	-3.49	-3.49	0	%100
74	M83A	Z	2.015	2.015	0	%100
75	M87	X	-3.498	-3.498	0	%100
76	M87	Z	2.019	2.019	0	%100
77	M88A	X	-1.184	-1.184	0	%100
78	M88A	Z	.683	.683	0	%100
79	M90	X	-1.235	-1.235	0	%100
80	M90	Z	.713	.713	0	%100
81	M92A	X	-3.498	-3.498	0	%100
82	M92A	Z	2.019	2.019	0	%100
83	M93	X	-4.734	-4.734	0	%100
84	M93	Z	2.733	2.733	0	%100
85	M95	X	-4.941	-4.941	0	%100
86	M95	Z	2.852	2.852	0	%100
87	M84B	X	-.745	-.745	0	%100
88	M84B	Z	.43	.43	0	%100
89	M89A	X	-2.978	-2.978	0	%100
90	M89A	Z	1.719	1.719	0	%100
91	M94A	X	-.745	-.745	0	%100
92	M94A	Z	.43	.43	0	%100
93	MP3C	X	-2.978	-2.978	0	%100
94	MP3C	Z	1.719	1.719	0	%100
95	MP4C	X	-2.978	-2.978	0	%100
96	MP4C	Z	1.719	1.719	0	%100
97	MP2C	X	-2.978	-2.978	0	%100
98	MP2C	Z	1.719	1.719	0	%100
99	MP1C	X	-2.978	-2.978	0	%100
100	MP1C	Z	1.719	1.719	0	%100
101	MP3B	X	-2.978	-2.978	0	%100
102	MP3B	Z	1.719	1.719	0	%100
103	MP4B	X	-2.978	-2.978	0	%100
104	MP4B	Z	1.719	1.719	0	%100
105	MP2B	X	-2.978	-2.978	0	%100
106	MP2B	Z	1.719	1.719	0	%100
107	MP1B	X	-2.978	-2.978	0	%100
108	MP1B	Z	1.719	1.719	0	%100
109	M109	X	-.669	-.669	0	%100
110	M109	Z	.386	.386	0	%100
111	M112	X	-2.677	-2.677	0	%100
112	M112	Z	1.546	1.546	0	%100
113	M115	X	-.669	-.669	0	%100
114	M115	Z	.386	.386	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-4.546	-4.546	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-3.439	-3.439	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-3.439	-3.439	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-3.439	-3.439	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-3.439	-3.439	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-3.022	-3.022	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-3.022	-3.022	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-5.385	-5.385	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-4.1	-4.1	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-4.279	-4.279	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-5.385	-5.385	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-4.1	-4.1	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-4.279	-4.279	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-3.197	-3.197	0	%100
36	M34	Z	0	0	0	%100
37	M43A	X	-3.197	-3.197	0	%100
38	M43A	Z	0	0	0	%100
39	M52A	X	-1.136	-1.136	0	%100
40	M52A	Z	0	0	0	%100
41	M53	X	-2.77	-2.77	0	%100
42	M53	Z	0	0	0	%100
43	M54	X	-2.77	-2.77	0	%100
44	M54	Z	0	0	0	%100
45	M55	X	-4.106	-4.106	0	%100
46	M55	Z	0	0	0	%100
47	M58A	X	-3.022	-3.022	0	%100
48	M58A	Z	0	0	0	%100
49	M59A	X	0	0	0	%100
50	M59A	Z	0	0	0	%100
51	M63	X	-1.346	-1.346	0	%100
52	M63	Z	0	0	0	%100
53	M64	X	-4.1	-4.1	0	%100
54	M64	Z	0	0	0	%100
55	M66	X	-4.279	-4.279	0	%100
56	M66	Z	0	0	0	%100
57	M68	X	-1.346	-1.346	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	0	0	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	0	0	0	%100
61	M71	X	0	0	0	%100
62	M71	Z	0	0	0	%100
63	M76A	X	-1.136	-1.136	0	%100
64	M76A	Z	0	0	0	%100
65	M77A	X	-2.77	-2.77	0	%100
66	M77A	Z	0	0	0	%100
67	M78	X	-2.77	-2.77	0	%100
68	M78	Z	0	0	0	%100
69	M79A	X	-4.106	-4.106	0	%100
70	M79A	Z	0	0	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83A	X	-3.022	-3.022	0	%100
74	M83A	Z	0	0	0	%100
75	M87	X	-1.346	-1.346	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	0	0	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	-1.346	-1.346	0	%100
82	M92A	Z	0	0	0	%100
83	M93	X	-4.1	-4.1	0	%100
84	M93	Z	0	0	0	%100
85	M95	X	-4.279	-4.279	0	%100
86	M95	Z	0	0	0	%100
87	M84B	X	0	0	0	%100
88	M84B	Z	0	0	0	%100
89	M89A	X	-2.579	-2.579	0	%100
90	M89A	Z	0	0	0	%100
91	M94A	X	-2.579	-2.579	0	%100
92	M94A	Z	0	0	0	%100
93	MP3C	X	-3.439	-3.439	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	-3.439	-3.439	0	%100
96	MP4C	Z	0	0	0	%100
97	MP2C	X	-3.439	-3.439	0	%100
98	MP2C	Z	0	0	0	%100
99	MP1C	X	-3.439	-3.439	0	%100
100	MP1C	Z	0	0	0	%100
101	MP3B	X	-3.439	-3.439	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	-3.439	-3.439	0	%100
104	MP4B	Z	0	0	0	%100
105	MP2B	X	-3.439	-3.439	0	%100
106	MP2B	Z	0	0	0	%100
107	MP1B	X	-3.439	-3.439	0	%100
108	MP1B	Z	0	0	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	0	0	0	%100
111	M112	X	-2.319	-2.319	0	%100
112	M112	Z	0	0	0	%100
113	M115	X	-2.319	-2.319	0	%100
114	M115	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.923	-.923	0	%100
2	M1	Z	-.533	-.533	0	%100
3	M4	X	-2.952	-2.952	0	%100
4	M4	Z	-1.705	-1.705	0	%100
5	M10	X	-.8	-.8	0	%100
6	M10	Z	-.462	-.462	0	%100
7	MP3A	X	-2.978	-2.978	0	%100
8	MP3A	Z	-1.719	-1.719	0	%100
9	MP4A	X	-2.978	-2.978	0	%100
10	MP4A	Z	-1.719	-1.719	0	%100
11	MP2A	X	-2.978	-2.978	0	%100
12	MP2A	Z	-1.719	-1.719	0	%100
13	MP1A	X	-2.978	-2.978	0	%100
14	MP1A	Z	-1.719	-1.719	0	%100
15	M43	X	-.8	-.8	0	%100
16	M43	Z	-.462	-.462	0	%100
17	M46	X	-1.185	-1.185	0	%100
18	M46	Z	-.684	-.684	0	%100
19	M51B	X	-.872	-.872	0	%100
20	M51B	Z	-.504	-.504	0	%100
21	M52B	X	-3.49	-3.49	0	%100
22	M52B	Z	-2.015	-2.015	0	%100
23	M76	X	-3.498	-3.498	0	%100
24	M76	Z	-2.019	-2.019	0	%100
25	M77	X	-1.184	-1.184	0	%100
26	M77	Z	-.683	-.683	0	%100
27	M80	X	-1.235	-1.235	0	%100
28	M80	Z	-.713	-.713	0	%100
29	M84	X	-3.498	-3.498	0	%100
30	M84	Z	-2.019	-2.019	0	%100
31	M85	X	-4.734	-4.734	0	%100
32	M85	Z	-2.733	-2.733	0	%100
33	M91	X	-4.941	-4.941	0	%100
34	M91	Z	-2.852	-2.852	0	%100
35	M34	X	-.923	-.923	0	%100
36	M34	Z	-.533	-.533	0	%100
37	M43A	X	-3.692	-3.692	0	%100
38	M43A	Z	-2.131	-2.131	0	%100
39	M52A	X	-2.952	-2.952	0	%100
40	M52A	Z	-1.705	-1.705	0	%100
41	M53	X	-.8	-.8	0	%100
42	M53	Z	-.462	-.462	0	%100
43	M54	X	-.8	-.8	0	%100
44	M54	Z	-.462	-.462	0	%100
45	M55	X	-1.185	-1.185	0	%100
46	M55	Z	-.684	-.684	0	%100
47	M58A	X	-3.49	-3.49	0	%100
48	M58A	Z	-2.015	-2.015	0	%100
49	M59A	X	-.872	-.872	0	%100
50	M59A	Z	-.504	-.504	0	%100
51	M63	X	-3.498	-3.498	0	%100
52	M63	Z	-2.019	-2.019	0	%100
53	M64	X	-4.734	-4.734	0	%100
54	M64	Z	-2.733	-2.733	0	%100
55	M66	X	-4.941	-4.941	0	%100
56	M66	Z	-2.852	-2.852	0	%100
57	M68	X	-3.498	-3.498	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	-2.019	-2.019	0	%100
59	M69	X	-1.184	-1.184	0	%100
60	M69	Z	-.683	-.683	0	%100
61	M71	X	-1.235	-1.235	0	%100
62	M71	Z	-.713	-.713	0	%100
63	M76A	X	0	0	0	%100
64	M76A	Z	0	0	0	%100
65	M77A	X	-3.199	-3.199	0	%100
66	M77A	Z	-1.847	-1.847	0	%100
67	M78	X	-3.199	-3.199	0	%100
68	M78	Z	-1.847	-1.847	0	%100
69	M79A	X	-4.741	-4.741	0	%100
70	M79A	Z	-2.737	-2.737	0	%100
71	M82	X	-.872	-.872	0	%100
72	M82	Z	-.504	-.504	0	%100
73	M83A	X	-.872	-.872	0	%100
74	M83A	Z	-.504	-.504	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	-1.184	-1.184	0	%100
78	M88A	Z	-.683	-.683	0	%100
79	M90	X	-1.235	-1.235	0	%100
80	M90	Z	-.713	-.713	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	0	0	0	%100
83	M93	X	-1.184	-1.184	0	%100
84	M93	Z	-.683	-.683	0	%100
85	M95	X	-1.235	-1.235	0	%100
86	M95	Z	-.713	-.713	0	%100
87	M84B	X	-.745	-.745	0	%100
88	M84B	Z	-.43	-.43	0	%100
89	M89A	X	-.745	-.745	0	%100
90	M89A	Z	-.43	-.43	0	%100
91	M94A	X	-2.978	-2.978	0	%100
92	M94A	Z	-1.719	-1.719	0	%100
93	MP3C	X	-2.978	-2.978	0	%100
94	MP3C	Z	-1.719	-1.719	0	%100
95	MP4C	X	-2.978	-2.978	0	%100
96	MP4C	Z	-1.719	-1.719	0	%100
97	MP2C	X	-2.978	-2.978	0	%100
98	MP2C	Z	-1.719	-1.719	0	%100
99	MP1C	X	-2.978	-2.978	0	%100
100	MP1C	Z	-1.719	-1.719	0	%100
101	MP3B	X	-2.978	-2.978	0	%100
102	MP3B	Z	-1.719	-1.719	0	%100
103	MP4B	X	-2.978	-2.978	0	%100
104	MP4B	Z	-1.719	-1.719	0	%100
105	MP2B	X	-2.978	-2.978	0	%100
106	MP2B	Z	-1.719	-1.719	0	%100
107	MP1B	X	-2.978	-2.978	0	%100
108	MP1B	Z	-1.719	-1.719	0	%100
109	M109	X	-.669	-.669	0	%100
110	M109	Z	-.386	-.386	0	%100
111	M112	X	-.669	-.669	0	%100
112	M112	Z	-.386	-.386	0	%100
113	M115	X	-2.677	-2.677	0	%100
114	M115	Z	-1.546	-1.546	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.598	-1.598	0	%100
2	M1	Z	-2.769	-2.769	0	%100
3	M4	X	-.568	-.568	0	%100
4	M4	Z	-.984	-.984	0	%100
5	M10	X	-1.385	-1.385	0	%100
6	M10	Z	-2.399	-2.399	0	%100
7	MP3A	X	-1.719	-1.719	0	%100
8	MP3A	Z	-2.978	-2.978	0	%100
9	MP4A	X	-1.719	-1.719	0	%100
10	MP4A	Z	-2.978	-2.978	0	%100
11	MP2A	X	-1.719	-1.719	0	%100
12	MP2A	Z	-2.978	-2.978	0	%100
13	MP1A	X	-1.719	-1.719	0	%100
14	MP1A	Z	-2.978	-2.978	0	%100
15	M43	X	-1.385	-1.385	0	%100
16	M43	Z	-2.399	-2.399	0	%100
17	M46	X	-2.053	-2.053	0	%100
18	M46	Z	-3.556	-3.556	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-1.511	-1.511	0	%100
22	M52B	Z	-2.617	-2.617	0	%100
23	M76	X	-.673	-.673	0	%100
24	M76	Z	-1.166	-1.166	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-.673	-.673	0	%100
30	M84	Z	-1.166	-1.166	0	%100
31	M85	X	-2.05	-2.05	0	%100
32	M85	Z	-3.551	-3.551	0	%100
33	M91	X	-2.139	-2.139	0	%100
34	M91	Z	-3.705	-3.705	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M43A	X	-1.598	-1.598	0	%100
38	M43A	Z	-2.769	-2.769	0	%100
39	M52A	X	-2.273	-2.273	0	%100
40	M52A	Z	-3.937	-3.937	0	%100
41	M53	X	0	0	0	%100
42	M53	Z	0	0	0	%100
43	M54	X	0	0	0	%100
44	M54	Z	0	0	0	%100
45	M55	X	0	0	0	%100
46	M55	Z	0	0	0	%100
47	M58A	X	-1.511	-1.511	0	%100
48	M58A	Z	-2.617	-2.617	0	%100
49	M59A	X	-1.511	-1.511	0	%100
50	M59A	Z	-2.617	-2.617	0	%100
51	M63	X	-2.693	-2.693	0	%100
52	M63	Z	-4.664	-4.664	0	%100
53	M64	X	-2.05	-2.05	0	%100
54	M64	Z	-3.551	-3.551	0	%100
55	M66	X	-2.139	-2.139	0	%100
56	M66	Z	-3.705	-3.705	0	%100
57	M68	X	-2.693	-2.693	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	-4.664	-4.664	0	%100
59	M69	X	-2.05	-2.05	0	%100
60	M69	Z	-3.551	-3.551	0	%100
61	M71	X	-2.139	-2.139	0	%100
62	M71	Z	-3.705	-3.705	0	%100
63	M76A	X	-.568	-.568	0	%100
64	M76A	Z	-.984	-.984	0	%100
65	M77A	X	-1.385	-1.385	0	%100
66	M77A	Z	-2.399	-2.399	0	%100
67	M78	X	-1.385	-1.385	0	%100
68	M78	Z	-2.399	-2.399	0	%100
69	M79A	X	-2.053	-2.053	0	%100
70	M79A	Z	-3.556	-3.556	0	%100
71	M82	X	-1.511	-1.511	0	%100
72	M82	Z	-2.617	-2.617	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M87	X	-.673	-.673	0	%100
76	M87	Z	-1.166	-1.166	0	%100
77	M88A	X	-2.05	-2.05	0	%100
78	M88A	Z	-3.551	-3.551	0	%100
79	M90	X	-2.139	-2.139	0	%100
80	M90	Z	-3.705	-3.705	0	%100
81	M92A	X	-.673	-.673	0	%100
82	M92A	Z	-1.166	-1.166	0	%100
83	M93	X	0	0	0	%100
84	M93	Z	0	0	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	0	0	0	%100
87	M84B	X	-1.29	-1.29	0	%100
88	M84B	Z	-2.234	-2.234	0	%100
89	M89A	X	0	0	0	%100
90	M89A	Z	0	0	0	%100
91	M94A	X	-1.29	-1.29	0	%100
92	M94A	Z	-2.234	-2.234	0	%100
93	MP3C	X	-1.719	-1.719	0	%100
94	MP3C	Z	-2.978	-2.978	0	%100
95	MP4C	X	-1.719	-1.719	0	%100
96	MP4C	Z	-2.978	-2.978	0	%100
97	MP2C	X	-1.719	-1.719	0	%100
98	MP2C	Z	-2.978	-2.978	0	%100
99	MP1C	X	-1.719	-1.719	0	%100
100	MP1C	Z	-2.978	-2.978	0	%100
101	MP3B	X	-1.719	-1.719	0	%100
102	MP3B	Z	-2.978	-2.978	0	%100
103	MP4B	X	-1.719	-1.719	0	%100
104	MP4B	Z	-2.978	-2.978	0	%100
105	MP2B	X	-1.719	-1.719	0	%100
106	MP2B	Z	-2.978	-2.978	0	%100
107	MP1B	X	-1.719	-1.719	0	%100
108	MP1B	Z	-2.978	-2.978	0	%100
109	M109	X	-1.159	-1.159	0	%100
110	M109	Z	-2.008	-2.008	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	0	0	0	%100
113	M115	X	-1.159	-1.159	0	%100
114	M115	Z	-2.008	-2.008	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.912	-.912	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.862	-.862	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-.626	-.626	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-.626	-.626	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-.626	-.626	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-.626	-.626	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-.862	-.862	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-1.582	-1.582	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-.22	-.22	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-.22	-.22	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-.403	-.403	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-.424	-.424	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-.403	-.403	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-.424	-.424	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	-.228	-.228	0	%100
37	M43A	X	0	0	0	%100
38	M43A	Z	-.228	-.228	0	%100
39	M52A	X	0	0	0	%100
40	M52A	Z	-.768	-.768	0	%100
41	M53	X	0	0	0	%100
42	M53	Z	-.215	-.215	0	%100
43	M54	X	0	0	0	%100
44	M54	Z	-.215	-.215	0	%100
45	M55	X	0	0	0	%100
46	M55	Z	-.395	-.395	0	%100
47	M58A	X	0	0	0	%100
48	M58A	Z	-.22	-.22	0	%100
49	M59A	X	0	0	0	%100
50	M59A	Z	-.878	-.878	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	-1.186	-1.186	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	-.403	-.403	0	%100
55	M66	X	0	0	0	%100
56	M66	Z	-.424	-.424	0	%100
57	M68	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	-1.186	-1.186	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	-1.611	-1.611	0	%100
61	M71	X	0	0	0	%100
62	M71	Z	-1.697	-1.697	0	%100
63	M76A	X	0	0	0	%100
64	M76A	Z	-.768	-.768	0	%100
65	M77A	X	0	0	0	%100
66	M77A	Z	-.215	-.215	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	-.215	-.215	0	%100
69	M79A	X	0	0	0	%100
70	M79A	Z	-.395	-.395	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	-.878	-.878	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	-.22	-.22	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	-1.186	-1.186	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	-1.611	-1.611	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	-1.697	-1.697	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	-1.186	-1.186	0	%100
83	M93	X	0	0	0	%100
84	M93	Z	-.403	-.403	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	-.424	-.424	0	%100
87	M84B	X	0	0	0	%100
88	M84B	Z	-.626	-.626	0	%100
89	M89A	X	0	0	0	%100
90	M89A	Z	-.157	-.157	0	%100
91	M94A	X	0	0	0	%100
92	M94A	Z	-.157	-.157	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-.626	-.626	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	-.626	-.626	0	%100
97	MP2C	X	0	0	0	%100
98	MP2C	Z	-.626	-.626	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-.626	-.626	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	-.626	-.626	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-.626	-.626	0	%100
105	MP2B	X	0	0	0	%100
106	MP2B	Z	-.626	-.626	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	-.626	-.626	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	-.722	-.722	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	-.181	-.181	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	-.181	-.181	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.342	.342	0	%100
2	M1	Z	-.592	-.592	0	%100
3	M4	X	.128	.128	0	%100
4	M4	Z	-.222	-.222	0	%100
5	M10	X	.323	.323	0	%100
6	M10	Z	-.56	-.56	0	%100
7	MP3A	X	.313	.313	0	%100
8	MP3A	Z	-.542	-.542	0	%100
9	MP4A	X	.313	.313	0	%100
10	MP4A	Z	-.542	-.542	0	%100
11	MP2A	X	.313	.313	0	%100
12	MP2A	Z	-.542	-.542	0	%100
13	MP1A	X	.313	.313	0	%100
14	MP1A	Z	-.542	-.542	0	%100
15	M43	X	.323	.323	0	%100
16	M43	Z	-.56	-.56	0	%100
17	M46	X	.593	.593	0	%100
18	M46	Z	-1.027	-1.027	0	%100
19	M51B	X	.329	.329	0	%100
20	M51B	Z	-.57	-.57	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.198	.198	0	%100
24	M76	Z	-.342	-.342	0	%100
25	M77	X	.604	.604	0	%100
26	M77	Z	-1.046	-1.046	0	%100
27	M80	X	.636	.636	0	%100
28	M80	Z	-1.102	-1.102	0	%100
29	M84	X	.198	.198	0	%100
30	M84	Z	-.342	-.342	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	.342	.342	0	%100
36	M34	Z	-.592	-.592	0	%100
37	M43A	X	0	0	0	%100
38	M43A	Z	0	0	0	%100
39	M52A	X	.128	.128	0	%100
40	M52A	Z	-.222	-.222	0	%100
41	M53	X	.323	.323	0	%100
42	M53	Z	-.56	-.56	0	%100
43	M54	X	.323	.323	0	%100
44	M54	Z	-.56	-.56	0	%100
45	M55	X	.593	.593	0	%100
46	M55	Z	-1.027	-1.027	0	%100
47	M58A	X	0	0	0	%100
48	M58A	Z	0	0	0	%100
49	M59A	X	.329	.329	0	%100
50	M59A	Z	-.57	-.57	0	%100
51	M63	X	.198	.198	0	%100
52	M63	Z	-.342	-.342	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	0	0	0	%100
55	M66	X	0	0	0	%100
56	M66	Z	0	0	0	%100
57	M68	X	.198	.198	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	-.342	-.342	0	%100
59	M69	X	.604	.604	0	%100
60	M69	Z	-1.046	-1.046	0	%100
61	M71	X	.636	.636	0	%100
62	M71	Z	-1.102	-1.102	0	%100
63	M76A	X	.512	.512	0	%100
64	M76A	Z	-.887	-.887	0	%100
65	M77A	X	0	0	0	%100
66	M77A	Z	0	0	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	0	0	0	%100
69	M79A	X	0	0	0	%100
70	M79A	Z	0	0	0	%100
71	M82	X	.329	.329	0	%100
72	M82	Z	-.57	-.57	0	%100
73	M83A	X	.329	.329	0	%100
74	M83A	Z	-.57	-.57	0	%100
75	M87	X	.791	.791	0	%100
76	M87	Z	-1.37	-1.37	0	%100
77	M88A	X	.604	.604	0	%100
78	M88A	Z	-1.046	-1.046	0	%100
79	M90	X	.636	.636	0	%100
80	M90	Z	-1.102	-1.102	0	%100
81	M92A	X	.791	.791	0	%100
82	M92A	Z	-1.37	-1.37	0	%100
83	M93	X	.604	.604	0	%100
84	M93	Z	-1.046	-1.046	0	%100
85	M95	X	.636	.636	0	%100
86	M95	Z	-1.102	-1.102	0	%100
87	M84B	X	.235	.235	0	%100
88	M84B	Z	-.407	-.407	0	%100
89	M89A	X	.235	.235	0	%100
90	M89A	Z	-.407	-.407	0	%100
91	M94A	X	0	0	0	%100
92	M94A	Z	0	0	0	%100
93	MP3C	X	.313	.313	0	%100
94	MP3C	Z	-.542	-.542	0	%100
95	MP4C	X	.313	.313	0	%100
96	MP4C	Z	-.542	-.542	0	%100
97	MP2C	X	.313	.313	0	%100
98	MP2C	Z	-.542	-.542	0	%100
99	MP1C	X	.313	.313	0	%100
100	MP1C	Z	-.542	-.542	0	%100
101	MP3B	X	.313	.313	0	%100
102	MP3B	Z	-.542	-.542	0	%100
103	MP4B	X	.313	.313	0	%100
104	MP4B	Z	-.542	-.542	0	%100
105	MP2B	X	.313	.313	0	%100
106	MP2B	Z	-.542	-.542	0	%100
107	MP1B	X	.313	.313	0	%100
108	MP1B	Z	-.542	-.542	0	%100
109	M109	X	.271	.271	0	%100
110	M109	Z	-.469	-.469	0	%100
111	M112	X	.271	.271	0	%100
112	M112	Z	-.469	-.469	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.197	.197	0	%100
2	M1	Z	-.114	-.114	0	%100
3	M4	X	.665	.665	0	%100
4	M4	Z	-.384	-.384	0	%100
5	M10	X	.187	.187	0	%100
6	M10	Z	-.108	-.108	0	%100
7	MP3A	X	.542	.542	0	%100
8	MP3A	Z	-.313	-.313	0	%100
9	MP4A	X	.542	.542	0	%100
10	MP4A	Z	-.313	-.313	0	%100
11	MP2A	X	.542	.542	0	%100
12	MP2A	Z	-.313	-.313	0	%100
13	MP1A	X	.542	.542	0	%100
14	MP1A	Z	-.313	-.313	0	%100
15	M43	X	.187	.187	0	%100
16	M43	Z	-.108	-.108	0	%100
17	M46	X	.342	.342	0	%100
18	M46	Z	-.198	-.198	0	%100
19	M51B	X	.761	.761	0	%100
20	M51B	Z	-.439	-.439	0	%100
21	M52B	X	.19	.19	0	%100
22	M52B	Z	-.11	-.11	0	%100
23	M76	X	1.027	1.027	0	%100
24	M76	Z	-.593	-.593	0	%100
25	M77	X	1.395	1.395	0	%100
26	M77	Z	-.806	-.806	0	%100
27	M80	X	1.47	1.47	0	%100
28	M80	Z	-.848	-.848	0	%100
29	M84	X	1.027	1.027	0	%100
30	M84	Z	-.593	-.593	0	%100
31	M85	X	.349	.349	0	%100
32	M85	Z	-.201	-.201	0	%100
33	M91	X	.367	.367	0	%100
34	M91	Z	-.212	-.212	0	%100
35	M34	X	.789	.789	0	%100
36	M34	Z	-.456	-.456	0	%100
37	M43A	X	.197	.197	0	%100
38	M43A	Z	-.114	-.114	0	%100
39	M52A	X	0	0	0	%100
40	M52A	Z	0	0	0	%100
41	M53	X	.746	.746	0	%100
42	M53	Z	-.431	-.431	0	%100
43	M54	X	.746	.746	0	%100
44	M54	Z	-.431	-.431	0	%100
45	M55	X	1.37	1.37	0	%100
46	M55	Z	-.791	-.791	0	%100
47	M58A	X	.19	.19	0	%100
48	M58A	Z	-.11	-.11	0	%100
49	M59A	X	.19	.19	0	%100
50	M59A	Z	-.11	-.11	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	0	0	0	%100
53	M64	X	.349	.349	0	%100
54	M64	Z	-.201	-.201	0	%100
55	M66	X	.367	.367	0	%100
56	M66	Z	-.212	-.212	0	%100
57	M68	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	0	0	0	%100
59	M69	X	.349	.349	0	%100
60	M69	Z	-.201	-.201	0	%100
61	M71	X	.367	.367	0	%100
62	M71	Z	-.212	-.212	0	%100
63	M76A	X	.665	.665	0	%100
64	M76A	Z	-.384	-.384	0	%100
65	M77A	X	.187	.187	0	%100
66	M77A	Z	-.108	-.108	0	%100
67	M78	X	.187	.187	0	%100
68	M78	Z	-.108	-.108	0	%100
69	M79A	X	.342	.342	0	%100
70	M79A	Z	-.198	-.198	0	%100
71	M82	X	.19	.19	0	%100
72	M82	Z	-.11	-.11	0	%100
73	M83A	X	.761	.761	0	%100
74	M83A	Z	-.439	-.439	0	%100
75	M87	X	1.027	1.027	0	%100
76	M87	Z	-.593	-.593	0	%100
77	M88A	X	.349	.349	0	%100
78	M88A	Z	-.201	-.201	0	%100
79	M90	X	.367	.367	0	%100
80	M90	Z	-.212	-.212	0	%100
81	M92A	X	1.027	1.027	0	%100
82	M92A	Z	-.593	-.593	0	%100
83	M93	X	1.395	1.395	0	%100
84	M93	Z	-.806	-.806	0	%100
85	M95	X	1.47	1.47	0	%100
86	M95	Z	-.848	-.848	0	%100
87	M84B	X	.136	.136	0	%100
88	M84B	Z	-.078	-.078	0	%100
89	M89A	X	.542	.542	0	%100
90	M89A	Z	-.313	-.313	0	%100
91	M94A	X	.136	.136	0	%100
92	M94A	Z	-.078	-.078	0	%100
93	MP3C	X	.542	.542	0	%100
94	MP3C	Z	-.313	-.313	0	%100
95	MP4C	X	.542	.542	0	%100
96	MP4C	Z	-.313	-.313	0	%100
97	MP2C	X	.542	.542	0	%100
98	MP2C	Z	-.313	-.313	0	%100
99	MP1C	X	.542	.542	0	%100
100	MP1C	Z	-.313	-.313	0	%100
101	MP3B	X	.542	.542	0	%100
102	MP3B	Z	-.313	-.313	0	%100
103	MP4B	X	.542	.542	0	%100
104	MP4B	Z	-.313	-.313	0	%100
105	MP2B	X	.542	.542	0	%100
106	MP2B	Z	-.313	-.313	0	%100
107	MP1B	X	.542	.542	0	%100
108	MP1B	Z	-.313	-.313	0	%100
109	M109	X	.156	.156	0	%100
110	M109	Z	-.09	-.09	0	%100
111	M112	X	.625	.625	0	%100
112	M112	Z	-.361	-.361	0	%100
113	M115	X	.156	.156	0	%100
114	M115	Z	-.09	-.09	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	1.025	1.025	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	.626	.626	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	.626	.626	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	.626	.626	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	.626	.626	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	.659	.659	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.659	.659	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	1.582	1.582	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	1.208	1.208	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	1.273	1.273	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	1.582	1.582	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	1.208	1.208	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	1.273	1.273	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	.684	.684	0	%100
36	M34	Z	0	0	0	%100
37	M43A	X	.684	.684	0	%100
38	M43A	Z	0	0	0	%100
39	M52A	X	.256	.256	0	%100
40	M52A	Z	0	0	0	%100
41	M53	X	.646	.646	0	%100
42	M53	Z	0	0	0	%100
43	M54	X	.646	.646	0	%100
44	M54	Z	0	0	0	%100
45	M55	X	1.186	1.186	0	%100
46	M55	Z	0	0	0	%100
47	M58A	X	.659	.659	0	%100
48	M58A	Z	0	0	0	%100
49	M59A	X	0	0	0	%100
50	M59A	Z	0	0	0	%100
51	M63	X	.395	.395	0	%100
52	M63	Z	0	0	0	%100
53	M64	X	1.208	1.208	0	%100
54	M64	Z	0	0	0	%100
55	M66	X	1.273	1.273	0	%100
56	M66	Z	0	0	0	%100
57	M68	X	.395	.395	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	0	0	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	0	0	0	%100
61	M71	X	0	0	0	%100
62	M71	Z	0	0	0	%100
63	M76A	X	.256	.256	0	%100
64	M76A	Z	0	0	0	%100
65	M77A	X	.646	.646	0	%100
66	M77A	Z	0	0	0	%100
67	M78	X	.646	.646	0	%100
68	M78	Z	0	0	0	%100
69	M79A	X	1.186	1.186	0	%100
70	M79A	Z	0	0	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83A	X	.659	.659	0	%100
74	M83A	Z	0	0	0	%100
75	M87	X	.395	.395	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	0	0	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	.395	.395	0	%100
82	M92A	Z	0	0	0	%100
83	M93	X	1.208	1.208	0	%100
84	M93	Z	0	0	0	%100
85	M95	X	1.273	1.273	0	%100
86	M95	Z	0	0	0	%100
87	M84B	X	0	0	0	%100
88	M84B	Z	0	0	0	%100
89	M89A	X	.47	.47	0	%100
90	M89A	Z	0	0	0	%100
91	M94A	X	.47	.47	0	%100
92	M94A	Z	0	0	0	%100
93	MP3C	X	.626	.626	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	.626	.626	0	%100
96	MP4C	Z	0	0	0	%100
97	MP2C	X	.626	.626	0	%100
98	MP2C	Z	0	0	0	%100
99	MP1C	X	.626	.626	0	%100
100	MP1C	Z	0	0	0	%100
101	MP3B	X	.626	.626	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	.626	.626	0	%100
104	MP4B	Z	0	0	0	%100
105	MP2B	X	.626	.626	0	%100
106	MP2B	Z	0	0	0	%100
107	MP1B	X	.626	.626	0	%100
108	MP1B	Z	0	0	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	0	0	0	%100
111	M112	X	.542	.542	0	%100
112	M112	Z	0	0	0	%100
113	M115	X	.542	.542	0	%100
114	M115	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.197	.197	0	%100
2	M1	Z	.114	.114	0	%100
3	M4	X	.665	.665	0	%100
4	M4	Z	.384	.384	0	%100
5	M10	X	.187	.187	0	%100
6	M10	Z	.108	.108	0	%100
7	MP3A	X	.542	.542	0	%100
8	MP3A	Z	.313	.313	0	%100
9	MP4A	X	.542	.542	0	%100
10	MP4A	Z	.313	.313	0	%100
11	MP2A	X	.542	.542	0	%100
12	MP2A	Z	.313	.313	0	%100
13	MP1A	X	.542	.542	0	%100
14	MP1A	Z	.313	.313	0	%100
15	M43	X	.187	.187	0	%100
16	M43	Z	.108	.108	0	%100
17	M46	X	.342	.342	0	%100
18	M46	Z	.198	.198	0	%100
19	M51B	X	.19	.19	0	%100
20	M51B	Z	.11	.11	0	%100
21	M52B	X	.761	.761	0	%100
22	M52B	Z	.439	.439	0	%100
23	M76	X	1.027	1.027	0	%100
24	M76	Z	.593	.593	0	%100
25	M77	X	.349	.349	0	%100
26	M77	Z	.201	.201	0	%100
27	M80	X	.367	.367	0	%100
28	M80	Z	.212	.212	0	%100
29	M84	X	1.027	1.027	0	%100
30	M84	Z	.593	.593	0	%100
31	M85	X	1.395	1.395	0	%100
32	M85	Z	.806	.806	0	%100
33	M91	X	1.47	1.47	0	%100
34	M91	Z	.848	.848	0	%100
35	M34	X	.197	.197	0	%100
36	M34	Z	.114	.114	0	%100
37	M43A	X	.789	.789	0	%100
38	M43A	Z	.456	.456	0	%100
39	M52A	X	.665	.665	0	%100
40	M52A	Z	.384	.384	0	%100
41	M53	X	.187	.187	0	%100
42	M53	Z	.108	.108	0	%100
43	M54	X	.187	.187	0	%100
44	M54	Z	.108	.108	0	%100
45	M55	X	.342	.342	0	%100
46	M55	Z	.198	.198	0	%100
47	M58A	X	.761	.761	0	%100
48	M58A	Z	.439	.439	0	%100
49	M59A	X	.19	.19	0	%100
50	M59A	Z	.11	.11	0	%100
51	M63	X	1.027	1.027	0	%100
52	M63	Z	.593	.593	0	%100
53	M64	X	1.395	1.395	0	%100
54	M64	Z	.806	.806	0	%100
55	M66	X	1.47	1.47	0	%100
56	M66	Z	.848	.848	0	%100
57	M68	X	1.027	1.027	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k...	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	.593	.593	0	%100
59	M69	X	.349	.349	0	%100
60	M69	Z	.201	.201	0	%100
61	M71	X	.367	.367	0	%100
62	M71	Z	.212	.212	0	%100
63	M76A	X	0	0	0	%100
64	M76A	Z	0	0	0	%100
65	M77A	X	.746	.746	0	%100
66	M77A	Z	.431	.431	0	%100
67	M78	X	.746	.746	0	%100
68	M78	Z	.431	.431	0	%100
69	M79A	X	1.37	1.37	0	%100
70	M79A	Z	.791	.791	0	%100
71	M82	X	.19	.19	0	%100
72	M82	Z	.11	.11	0	%100
73	M83A	X	.19	.19	0	%100
74	M83A	Z	.11	.11	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	.349	.349	0	%100
78	M88A	Z	.201	.201	0	%100
79	M90	X	.367	.367	0	%100
80	M90	Z	.212	.212	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	0	0	0	%100
83	M93	X	.349	.349	0	%100
84	M93	Z	.201	.201	0	%100
85	M95	X	.367	.367	0	%100
86	M95	Z	.212	.212	0	%100
87	M84B	X	.136	.136	0	%100
88	M84B	Z	.078	.078	0	%100
89	M89A	X	.136	.136	0	%100
90	M89A	Z	.078	.078	0	%100
91	M94A	X	.542	.542	0	%100
92	M94A	Z	.313	.313	0	%100
93	MP3C	X	.542	.542	0	%100
94	MP3C	Z	.313	.313	0	%100
95	MP4C	X	.542	.542	0	%100
96	MP4C	Z	.313	.313	0	%100
97	MP2C	X	.542	.542	0	%100
98	MP2C	Z	.313	.313	0	%100
99	MP1C	X	.542	.542	0	%100
100	MP1C	Z	.313	.313	0	%100
101	MP3B	X	.542	.542	0	%100
102	MP3B	Z	.313	.313	0	%100
103	MP4B	X	.542	.542	0	%100
104	MP4B	Z	.313	.313	0	%100
105	MP2B	X	.542	.542	0	%100
106	MP2B	Z	.313	.313	0	%100
107	MP1B	X	.542	.542	0	%100
108	MP1B	Z	.313	.313	0	%100
109	M109	X	.156	.156	0	%100
110	M109	Z	.09	.09	0	%100
111	M112	X	.156	.156	0	%100
112	M112	Z	.09	.09	0	%100
113	M115	X	.625	.625	0	%100
114	M115	Z	.361	.361	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.342	.342	0	%100
2	M1	Z	.592	.592	0	%100
3	M4	X	.128	.128	0	%100
4	M4	Z	.222	.222	0	%100
5	M10	X	.323	.323	0	%100
6	M10	Z	.56	.56	0	%100
7	MP3A	X	.313	.313	0	%100
8	MP3A	Z	.542	.542	0	%100
9	MP4A	X	.313	.313	0	%100
10	MP4A	Z	.542	.542	0	%100
11	MP2A	X	.313	.313	0	%100
12	MP2A	Z	.542	.542	0	%100
13	MP1A	X	.313	.313	0	%100
14	MP1A	Z	.542	.542	0	%100
15	M43	X	.323	.323	0	%100
16	M43	Z	.56	.56	0	%100
17	M46	X	.593	.593	0	%100
18	M46	Z	1.027	1.027	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.329	.329	0	%100
22	M52B	Z	.57	.57	0	%100
23	M76	X	.198	.198	0	%100
24	M76	Z	.342	.342	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.198	.198	0	%100
30	M84	Z	.342	.342	0	%100
31	M85	X	.604	.604	0	%100
32	M85	Z	1.046	1.046	0	%100
33	M91	X	.636	.636	0	%100
34	M91	Z	1.102	1.102	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M43A	X	.342	.342	0	%100
38	M43A	Z	.592	.592	0	%100
39	M52A	X	.512	.512	0	%100
40	M52A	Z	.887	.887	0	%100
41	M53	X	0	0	0	%100
42	M53	Z	0	0	0	%100
43	M54	X	0	0	0	%100
44	M54	Z	0	0	0	%100
45	M55	X	0	0	0	%100
46	M55	Z	0	0	0	%100
47	M58A	X	.329	.329	0	%100
48	M58A	Z	.57	.57	0	%100
49	M59A	X	.329	.329	0	%100
50	M59A	Z	.57	.57	0	%100
51	M63	X	.791	.791	0	%100
52	M63	Z	1.37	1.37	0	%100
53	M64	X	.604	.604	0	%100
54	M64	Z	1.046	1.046	0	%100
55	M66	X	.636	.636	0	%100
56	M66	Z	1.102	1.102	0	%100
57	M68	X	.791	.791	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k...	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	1.37	1.37	0	%100
59	M69	X	.604	.604	0	%100
60	M69	Z	1.046	1.046	0	%100
61	M71	X	.636	.636	0	%100
62	M71	Z	1.102	1.102	0	%100
63	M76A	X	.128	.128	0	%100
64	M76A	Z	.222	.222	0	%100
65	M77A	X	.323	.323	0	%100
66	M77A	Z	.56	.56	0	%100
67	M78	X	.323	.323	0	%100
68	M78	Z	.56	.56	0	%100
69	M79A	X	.593	.593	0	%100
70	M79A	Z	1.027	1.027	0	%100
71	M82	X	.329	.329	0	%100
72	M82	Z	.57	.57	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M87	X	.198	.198	0	%100
76	M87	Z	.342	.342	0	%100
77	M88A	X	.604	.604	0	%100
78	M88A	Z	1.046	1.046	0	%100
79	M90	X	.636	.636	0	%100
80	M90	Z	1.102	1.102	0	%100
81	M92A	X	.198	.198	0	%100
82	M92A	Z	.342	.342	0	%100
83	M93	X	0	0	0	%100
84	M93	Z	0	0	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	0	0	0	%100
87	M84B	X	.235	.235	0	%100
88	M84B	Z	.407	.407	0	%100
89	M89A	X	0	0	0	%100
90	M89A	Z	0	0	0	%100
91	M94A	X	.235	.235	0	%100
92	M94A	Z	.407	.407	0	%100
93	MP3C	X	.313	.313	0	%100
94	MP3C	Z	.542	.542	0	%100
95	MP4C	X	.313	.313	0	%100
96	MP4C	Z	.542	.542	0	%100
97	MP2C	X	.313	.313	0	%100
98	MP2C	Z	.542	.542	0	%100
99	MP1C	X	.313	.313	0	%100
100	MP1C	Z	.542	.542	0	%100
101	MP3B	X	.313	.313	0	%100
102	MP3B	Z	.542	.542	0	%100
103	MP4B	X	.313	.313	0	%100
104	MP4B	Z	.542	.542	0	%100
105	MP2B	X	.313	.313	0	%100
106	MP2B	Z	.542	.542	0	%100
107	MP1B	X	.313	.313	0	%100
108	MP1B	Z	.542	.542	0	%100
109	M109	X	.271	.271	0	%100
110	M109	Z	.469	.469	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	0	0	0	%100
113	M115	X	.271	.271	0	%100
114	M115	Z	.469	.469	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.912	.912	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.862	.862	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	.626	.626	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	.626	.626	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.626	.626	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.626	.626	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	.862	.862	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	1.582	1.582	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.22	.22	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.22	.22	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	.403	.403	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	.424	.424	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	.403	.403	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	.424	.424	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	.228	.228	0	%100
37	M43A	X	0	0	0	%100
38	M43A	Z	.228	.228	0	%100
39	M52A	X	0	0	0	%100
40	M52A	Z	.768	.768	0	%100
41	M53	X	0	0	0	%100
42	M53	Z	.215	.215	0	%100
43	M54	X	0	0	0	%100
44	M54	Z	.215	.215	0	%100
45	M55	X	0	0	0	%100
46	M55	Z	.395	.395	0	%100
47	M58A	X	0	0	0	%100
48	M58A	Z	.22	.22	0	%100
49	M59A	X	0	0	0	%100
50	M59A	Z	.878	.878	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	1.186	1.186	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	.403	.403	0	%100
55	M66	X	0	0	0	%100
56	M66	Z	.424	.424	0	%100
57	M68	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k...	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	1.186	1.186	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	1.611	1.611	0	%100
61	M71	X	0	0	0	%100
62	M71	Z	1.697	1.697	0	%100
63	M76A	X	0	0	0	%100
64	M76A	Z	.768	.768	0	%100
65	M77A	X	0	0	0	%100
66	M77A	Z	.215	.215	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	.215	.215	0	%100
69	M79A	X	0	0	0	%100
70	M79A	Z	.395	.395	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	.878	.878	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	.22	.22	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	1.186	1.186	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	1.611	1.611	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	1.697	1.697	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	1.186	1.186	0	%100
83	M93	X	0	0	0	%100
84	M93	Z	.403	.403	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	.424	.424	0	%100
87	M84B	X	0	0	0	%100
88	M84B	Z	.626	.626	0	%100
89	M89A	X	0	0	0	%100
90	M89A	Z	.157	.157	0	%100
91	M94A	X	0	0	0	%100
92	M94A	Z	.157	.157	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	.626	.626	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	.626	.626	0	%100
97	MP2C	X	0	0	0	%100
98	MP2C	Z	.626	.626	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	.626	.626	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	.626	.626	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	.626	.626	0	%100
105	MP2B	X	0	0	0	%100
106	MP2B	Z	.626	.626	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	.626	.626	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	.722	.722	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	.181	.181	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	.181	.181	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.342	-.342	0	%100
2	M1	Z	.592	.592	0	%100
3	M4	X	-.128	-.128	0	%100
4	M4	Z	.222	.222	0	%100
5	M10	X	-.323	-.323	0	%100
6	M10	Z	.56	.56	0	%100
7	MP3A	X	-.313	-.313	0	%100
8	MP3A	Z	.542	.542	0	%100
9	MP4A	X	-.313	-.313	0	%100
10	MP4A	Z	.542	.542	0	%100
11	MP2A	X	-.313	-.313	0	%100
12	MP2A	Z	.542	.542	0	%100
13	MP1A	X	-.313	-.313	0	%100
14	MP1A	Z	.542	.542	0	%100
15	M43	X	-.323	-.323	0	%100
16	M43	Z	.56	.56	0	%100
17	M46	X	-.593	-.593	0	%100
18	M46	Z	1.027	1.027	0	%100
19	M51B	X	-.329	-.329	0	%100
20	M51B	Z	.57	.57	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-.198	-.198	0	%100
24	M76	Z	.342	.342	0	%100
25	M77	X	-.604	-.604	0	%100
26	M77	Z	1.046	1.046	0	%100
27	M80	X	-.636	-.636	0	%100
28	M80	Z	1.102	1.102	0	%100
29	M84	X	-.198	-.198	0	%100
30	M84	Z	.342	.342	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-.342	-.342	0	%100
36	M34	Z	.592	.592	0	%100
37	M43A	X	0	0	0	%100
38	M43A	Z	0	0	0	%100
39	M52A	X	-.128	-.128	0	%100
40	M52A	Z	.222	.222	0	%100
41	M53	X	-.323	-.323	0	%100
42	M53	Z	.56	.56	0	%100
43	M54	X	-.323	-.323	0	%100
44	M54	Z	.56	.56	0	%100
45	M55	X	-.593	-.593	0	%100
46	M55	Z	1.027	1.027	0	%100
47	M58A	X	0	0	0	%100
48	M58A	Z	0	0	0	%100
49	M59A	X	-.329	-.329	0	%100
50	M59A	Z	.57	.57	0	%100
51	M63	X	-.198	-.198	0	%100
52	M63	Z	.342	.342	0	%100
53	M64	X	0	0	0	%100
54	M64	Z	0	0	0	%100
55	M66	X	0	0	0	%100
56	M66	Z	0	0	0	%100
57	M68	X	-.198	-.198	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	.342	.342	0	%100
59	M69	X	-.604	-.604	0	%100
60	M69	Z	1.046	1.046	0	%100
61	M71	X	-.636	-.636	0	%100
62	M71	Z	1.102	1.102	0	%100
63	M76A	X	-.512	-.512	0	%100
64	M76A	Z	.887	.887	0	%100
65	M77A	X	0	0	0	%100
66	M77A	Z	0	0	0	%100
67	M78	X	0	0	0	%100
68	M78	Z	0	0	0	%100
69	M79A	X	0	0	0	%100
70	M79A	Z	0	0	0	%100
71	M82	X	-.329	-.329	0	%100
72	M82	Z	.57	.57	0	%100
73	M83A	X	-.329	-.329	0	%100
74	M83A	Z	.57	.57	0	%100
75	M87	X	-.791	-.791	0	%100
76	M87	Z	1.37	1.37	0	%100
77	M88A	X	-.604	-.604	0	%100
78	M88A	Z	1.046	1.046	0	%100
79	M90	X	-.636	-.636	0	%100
80	M90	Z	1.102	1.102	0	%100
81	M92A	X	-.791	-.791	0	%100
82	M92A	Z	1.37	1.37	0	%100
83	M93	X	-.604	-.604	0	%100
84	M93	Z	1.046	1.046	0	%100
85	M95	X	-.636	-.636	0	%100
86	M95	Z	1.102	1.102	0	%100
87	M84B	X	-.235	-.235	0	%100
88	M84B	Z	.407	.407	0	%100
89	M89A	X	-.235	-.235	0	%100
90	M89A	Z	.407	.407	0	%100
91	M94A	X	0	0	0	%100
92	M94A	Z	0	0	0	%100
93	MP3C	X	-.313	-.313	0	%100
94	MP3C	Z	.542	.542	0	%100
95	MP4C	X	-.313	-.313	0	%100
96	MP4C	Z	.542	.542	0	%100
97	MP2C	X	-.313	-.313	0	%100
98	MP2C	Z	.542	.542	0	%100
99	MP1C	X	-.313	-.313	0	%100
100	MP1C	Z	.542	.542	0	%100
101	MP3B	X	-.313	-.313	0	%100
102	MP3B	Z	.542	.542	0	%100
103	MP4B	X	-.313	-.313	0	%100
104	MP4B	Z	.542	.542	0	%100
105	MP2B	X	-.313	-.313	0	%100
106	MP2B	Z	.542	.542	0	%100
107	MP1B	X	-.313	-.313	0	%100
108	MP1B	Z	.542	.542	0	%100
109	M109	X	-.271	-.271	0	%100
110	M109	Z	.469	.469	0	%100
111	M112	X	-.271	-.271	0	%100
112	M112	Z	.469	.469	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.197	-.197	0	%100
2	M1	Z	.114	.114	0	%100
3	M4	X	-.665	-.665	0	%100
4	M4	Z	.384	.384	0	%100
5	M10	X	-.187	-.187	0	%100
6	M10	Z	.108	.108	0	%100
7	MP3A	X	-.542	-.542	0	%100
8	MP3A	Z	.313	.313	0	%100
9	MP4A	X	-.542	-.542	0	%100
10	MP4A	Z	.313	.313	0	%100
11	MP2A	X	-.542	-.542	0	%100
12	MP2A	Z	.313	.313	0	%100
13	MP1A	X	-.542	-.542	0	%100
14	MP1A	Z	.313	.313	0	%100
15	M43	X	-.187	-.187	0	%100
16	M43	Z	.108	.108	0	%100
17	M46	X	-.342	-.342	0	%100
18	M46	Z	.198	.198	0	%100
19	M51B	X	-.761	-.761	0	%100
20	M51B	Z	.439	.439	0	%100
21	M52B	X	-.19	-.19	0	%100
22	M52B	Z	.11	.11	0	%100
23	M76	X	-1.027	-1.027	0	%100
24	M76	Z	.593	.593	0	%100
25	M77	X	-1.395	-1.395	0	%100
26	M77	Z	.806	.806	0	%100
27	M80	X	-1.47	-1.47	0	%100
28	M80	Z	.848	.848	0	%100
29	M84	X	-1.027	-1.027	0	%100
30	M84	Z	.593	.593	0	%100
31	M85	X	-.349	-.349	0	%100
32	M85	Z	.201	.201	0	%100
33	M91	X	-.367	-.367	0	%100
34	M91	Z	.212	.212	0	%100
35	M34	X	-.789	-.789	0	%100
36	M34	Z	.456	.456	0	%100
37	M43A	X	-.197	-.197	0	%100
38	M43A	Z	.114	.114	0	%100
39	M52A	X	0	0	0	%100
40	M52A	Z	0	0	0	%100
41	M53	X	-.746	-.746	0	%100
42	M53	Z	.431	.431	0	%100
43	M54	X	-.746	-.746	0	%100
44	M54	Z	.431	.431	0	%100
45	M55	X	-1.37	-1.37	0	%100
46	M55	Z	.791	.791	0	%100
47	M58A	X	-.19	-.19	0	%100
48	M58A	Z	.11	.11	0	%100
49	M59A	X	-.19	-.19	0	%100
50	M59A	Z	.11	.11	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	0	0	0	%100
53	M64	X	-.349	-.349	0	%100
54	M64	Z	.201	.201	0	%100
55	M66	X	-.367	-.367	0	%100
56	M66	Z	.212	.212	0	%100
57	M68	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k...	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	0	0	0	%100
59	M69	X	-.349	-.349	0	%100
60	M69	Z	.201	.201	0	%100
61	M71	X	-.367	-.367	0	%100
62	M71	Z	.212	.212	0	%100
63	M76A	X	-.665	-.665	0	%100
64	M76A	Z	.384	.384	0	%100
65	M77A	X	-.187	-.187	0	%100
66	M77A	Z	.108	.108	0	%100
67	M78	X	-.187	-.187	0	%100
68	M78	Z	.108	.108	0	%100
69	M79A	X	-.342	-.342	0	%100
70	M79A	Z	.198	.198	0	%100
71	M82	X	-.19	-.19	0	%100
72	M82	Z	.11	.11	0	%100
73	M83A	X	-.761	-.761	0	%100
74	M83A	Z	.439	.439	0	%100
75	M87	X	-1.027	-1.027	0	%100
76	M87	Z	.593	.593	0	%100
77	M88A	X	-.349	-.349	0	%100
78	M88A	Z	.201	.201	0	%100
79	M90	X	-.367	-.367	0	%100
80	M90	Z	.212	.212	0	%100
81	M92A	X	-1.027	-1.027	0	%100
82	M92A	Z	.593	.593	0	%100
83	M93	X	-1.395	-1.395	0	%100
84	M93	Z	.806	.806	0	%100
85	M95	X	-1.47	-1.47	0	%100
86	M95	Z	.848	.848	0	%100
87	M84B	X	-.136	-.136	0	%100
88	M84B	Z	.078	.078	0	%100
89	M89A	X	-.542	-.542	0	%100
90	M89A	Z	.313	.313	0	%100
91	M94A	X	-.136	-.136	0	%100
92	M94A	Z	.078	.078	0	%100
93	MP3C	X	-.542	-.542	0	%100
94	MP3C	Z	.313	.313	0	%100
95	MP4C	X	-.542	-.542	0	%100
96	MP4C	Z	.313	.313	0	%100
97	MP2C	X	-.542	-.542	0	%100
98	MP2C	Z	.313	.313	0	%100
99	MP1C	X	-.542	-.542	0	%100
100	MP1C	Z	.313	.313	0	%100
101	MP3B	X	-.542	-.542	0	%100
102	MP3B	Z	.313	.313	0	%100
103	MP4B	X	-.542	-.542	0	%100
104	MP4B	Z	.313	.313	0	%100
105	MP2B	X	-.542	-.542	0	%100
106	MP2B	Z	.313	.313	0	%100
107	MP1B	X	-.542	-.542	0	%100
108	MP1B	Z	.313	.313	0	%100
109	M109	X	-.156	-.156	0	%100
110	M109	Z	.09	.09	0	%100
111	M112	X	-.625	-.625	0	%100
112	M112	Z	.361	.361	0	%100
113	M115	X	-.156	-.156	0	%100
114	M115	Z	.09	.09	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-1.025	-1.025	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-.626	-.626	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-.626	-.626	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-.626	-.626	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.626	-.626	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-.659	-.659	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.659	-.659	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-1.582	-1.582	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-1.208	-1.208	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-1.273	-1.273	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-1.582	-1.582	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-1.208	-1.208	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-1.273	-1.273	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-.684	-.684	0	%100
36	M34	Z	0	0	0	%100
37	M43A	X	-.684	-.684	0	%100
38	M43A	Z	0	0	0	%100
39	M52A	X	-.256	-.256	0	%100
40	M52A	Z	0	0	0	%100
41	M53	X	-.646	-.646	0	%100
42	M53	Z	0	0	0	%100
43	M54	X	-.646	-.646	0	%100
44	M54	Z	0	0	0	%100
45	M55	X	-1.186	-1.186	0	%100
46	M55	Z	0	0	0	%100
47	M58A	X	-.659	-.659	0	%100
48	M58A	Z	0	0	0	%100
49	M59A	X	0	0	0	%100
50	M59A	Z	0	0	0	%100
51	M63	X	-.395	-.395	0	%100
52	M63	Z	0	0	0	%100
53	M64	X	-1.208	-1.208	0	%100
54	M64	Z	0	0	0	%100
55	M66	X	-1.273	-1.273	0	%100
56	M66	Z	0	0	0	%100
57	M68	X	-.395	-.395	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	0	0	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	0	0	0	%100
61	M71	X	0	0	0	%100
62	M71	Z	0	0	0	%100
63	M76A	X	-.256	-.256	0	%100
64	M76A	Z	0	0	0	%100
65	M77A	X	-.646	-.646	0	%100
66	M77A	Z	0	0	0	%100
67	M78	X	-.646	-.646	0	%100
68	M78	Z	0	0	0	%100
69	M79A	X	-1.186	-1.186	0	%100
70	M79A	Z	0	0	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83A	X	-.659	-.659	0	%100
74	M83A	Z	0	0	0	%100
75	M87	X	-.395	-.395	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	0	0	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	-.395	-.395	0	%100
82	M92A	Z	0	0	0	%100
83	M93	X	-1.208	-1.208	0	%100
84	M93	Z	0	0	0	%100
85	M95	X	-1.273	-1.273	0	%100
86	M95	Z	0	0	0	%100
87	M84B	X	0	0	0	%100
88	M84B	Z	0	0	0	%100
89	M89A	X	-.47	-.47	0	%100
90	M89A	Z	0	0	0	%100
91	M94A	X	-.47	-.47	0	%100
92	M94A	Z	0	0	0	%100
93	MP3C	X	-.626	-.626	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	-.626	-.626	0	%100
96	MP4C	Z	0	0	0	%100
97	MP2C	X	-.626	-.626	0	%100
98	MP2C	Z	0	0	0	%100
99	MP1C	X	-.626	-.626	0	%100
100	MP1C	Z	0	0	0	%100
101	MP3B	X	-.626	-.626	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	-.626	-.626	0	%100
104	MP4B	Z	0	0	0	%100
105	MP2B	X	-.626	-.626	0	%100
106	MP2B	Z	0	0	0	%100
107	MP1B	X	-.626	-.626	0	%100
108	MP1B	Z	0	0	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	0	0	0	%100
111	M112	X	-.542	-.542	0	%100
112	M112	Z	0	0	0	%100
113	M115	X	-.542	-.542	0	%100
114	M115	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.197	-.197	0	%100
2	M1	Z	-.114	-.114	0	%100
3	M4	X	-.665	-.665	0	%100
4	M4	Z	-.384	-.384	0	%100
5	M10	X	-.187	-.187	0	%100
6	M10	Z	-.108	-.108	0	%100
7	MP3A	X	-.542	-.542	0	%100
8	MP3A	Z	-.313	-.313	0	%100
9	MP4A	X	-.542	-.542	0	%100
10	MP4A	Z	-.313	-.313	0	%100
11	MP2A	X	-.542	-.542	0	%100
12	MP2A	Z	-.313	-.313	0	%100
13	MP1A	X	-.542	-.542	0	%100
14	MP1A	Z	-.313	-.313	0	%100
15	M43	X	-.187	-.187	0	%100
16	M43	Z	-.108	-.108	0	%100
17	M46	X	-.342	-.342	0	%100
18	M46	Z	-.198	-.198	0	%100
19	M51B	X	-.19	-.19	0	%100
20	M51B	Z	-.11	-.11	0	%100
21	M52B	X	-.761	-.761	0	%100
22	M52B	Z	-.439	-.439	0	%100
23	M76	X	-1.027	-1.027	0	%100
24	M76	Z	-.593	-.593	0	%100
25	M77	X	-.349	-.349	0	%100
26	M77	Z	-.201	-.201	0	%100
27	M80	X	-.367	-.367	0	%100
28	M80	Z	-.212	-.212	0	%100
29	M84	X	-1.027	-1.027	0	%100
30	M84	Z	-.593	-.593	0	%100
31	M85	X	-1.395	-1.395	0	%100
32	M85	Z	-.806	-.806	0	%100
33	M91	X	-1.47	-1.47	0	%100
34	M91	Z	-.848	-.848	0	%100
35	M34	X	-.197	-.197	0	%100
36	M34	Z	-.114	-.114	0	%100
37	M43A	X	-.789	-.789	0	%100
38	M43A	Z	-.456	-.456	0	%100
39	M52A	X	-.665	-.665	0	%100
40	M52A	Z	-.384	-.384	0	%100
41	M53	X	-.187	-.187	0	%100
42	M53	Z	-.108	-.108	0	%100
43	M54	X	-.187	-.187	0	%100
44	M54	Z	-.108	-.108	0	%100
45	M55	X	-.342	-.342	0	%100
46	M55	Z	-.198	-.198	0	%100
47	M58A	X	-.761	-.761	0	%100
48	M58A	Z	-.439	-.439	0	%100
49	M59A	X	-.19	-.19	0	%100
50	M59A	Z	-.11	-.11	0	%100
51	M63	X	-1.027	-1.027	0	%100
52	M63	Z	-.593	-.593	0	%100
53	M64	X	-1.395	-1.395	0	%100
54	M64	Z	-.806	-.806	0	%100
55	M66	X	-1.47	-1.47	0	%100
56	M66	Z	-.848	-.848	0	%100
57	M68	X	-1.027	-1.027	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	-.593	-.593	0	%100
59	M69	X	-.349	-.349	0	%100
60	M69	Z	-.201	-.201	0	%100
61	M71	X	-.367	-.367	0	%100
62	M71	Z	-.212	-.212	0	%100
63	M76A	X	0	0	0	%100
64	M76A	Z	0	0	0	%100
65	M77A	X	-.746	-.746	0	%100
66	M77A	Z	-.431	-.431	0	%100
67	M78	X	-.746	-.746	0	%100
68	M78	Z	-.431	-.431	0	%100
69	M79A	X	-1.37	-1.37	0	%100
70	M79A	Z	-.791	-.791	0	%100
71	M82	X	-.19	-.19	0	%100
72	M82	Z	-.11	-.11	0	%100
73	M83A	X	-.19	-.19	0	%100
74	M83A	Z	-.11	-.11	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	-.349	-.349	0	%100
78	M88A	Z	-.201	-.201	0	%100
79	M90	X	-.367	-.367	0	%100
80	M90	Z	-.212	-.212	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	0	0	0	%100
83	M93	X	-.349	-.349	0	%100
84	M93	Z	-.201	-.201	0	%100
85	M95	X	-.367	-.367	0	%100
86	M95	Z	-.212	-.212	0	%100
87	M84B	X	-.136	-.136	0	%100
88	M84B	Z	-.078	-.078	0	%100
89	M89A	X	-.136	-.136	0	%100
90	M89A	Z	-.078	-.078	0	%100
91	M94A	X	-.542	-.542	0	%100
92	M94A	Z	-.313	-.313	0	%100
93	MP3C	X	-.542	-.542	0	%100
94	MP3C	Z	-.313	-.313	0	%100
95	MP4C	X	-.542	-.542	0	%100
96	MP4C	Z	-.313	-.313	0	%100
97	MP2C	X	-.542	-.542	0	%100
98	MP2C	Z	-.313	-.313	0	%100
99	MP1C	X	-.542	-.542	0	%100
100	MP1C	Z	-.313	-.313	0	%100
101	MP3B	X	-.542	-.542	0	%100
102	MP3B	Z	-.313	-.313	0	%100
103	MP4B	X	-.542	-.542	0	%100
104	MP4B	Z	-.313	-.313	0	%100
105	MP2B	X	-.542	-.542	0	%100
106	MP2B	Z	-.313	-.313	0	%100
107	MP1B	X	-.542	-.542	0	%100
108	MP1B	Z	-.313	-.313	0	%100
109	M109	X	-.156	-.156	0	%100
110	M109	Z	-.09	-.09	0	%100
111	M112	X	-.156	-.156	0	%100
112	M112	Z	-.09	-.09	0	%100
113	M115	X	-.625	-.625	0	%100
114	M115	Z	-.361	-.361	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.342	-.342	0	%100
2	M1	Z	-.592	-.592	0	%100
3	M4	X	-.128	-.128	0	%100
4	M4	Z	-.222	-.222	0	%100
5	M10	X	-.323	-.323	0	%100
6	M10	Z	-.56	-.56	0	%100
7	MP3A	X	-.313	-.313	0	%100
8	MP3A	Z	-.542	-.542	0	%100
9	MP4A	X	-.313	-.313	0	%100
10	MP4A	Z	-.542	-.542	0	%100
11	MP2A	X	-.313	-.313	0	%100
12	MP2A	Z	-.542	-.542	0	%100
13	MP1A	X	-.313	-.313	0	%100
14	MP1A	Z	-.542	-.542	0	%100
15	M43	X	-.323	-.323	0	%100
16	M43	Z	-.56	-.56	0	%100
17	M46	X	-.593	-.593	0	%100
18	M46	Z	-1.027	-1.027	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.329	-.329	0	%100
22	M52B	Z	-.57	-.57	0	%100
23	M76	X	-.198	-.198	0	%100
24	M76	Z	-.342	-.342	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-.198	-.198	0	%100
30	M84	Z	-.342	-.342	0	%100
31	M85	X	-.604	-.604	0	%100
32	M85	Z	-1.046	-1.046	0	%100
33	M91	X	-.636	-.636	0	%100
34	M91	Z	-1.102	-1.102	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M43A	X	-.342	-.342	0	%100
38	M43A	Z	-.592	-.592	0	%100
39	M52A	X	-.512	-.512	0	%100
40	M52A	Z	-.887	-.887	0	%100
41	M53	X	0	0	0	%100
42	M53	Z	0	0	0	%100
43	M54	X	0	0	0	%100
44	M54	Z	0	0	0	%100
45	M55	X	0	0	0	%100
46	M55	Z	0	0	0	%100
47	M58A	X	-.329	-.329	0	%100
48	M58A	Z	-.57	-.57	0	%100
49	M59A	X	-.329	-.329	0	%100
50	M59A	Z	-.57	-.57	0	%100
51	M63	X	-.791	-.791	0	%100
52	M63	Z	-1.37	-1.37	0	%100
53	M64	X	-.604	-.604	0	%100
54	M64	Z	-1.046	-1.046	0	%100
55	M66	X	-.636	-.636	0	%100
56	M66	Z	-1.102	-1.102	0	%100
57	M68	X	-.791	-.791	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	-1.37	-1.37	0	%100
59	M69	X	-.604	-.604	0	%100
60	M69	Z	-1.046	-1.046	0	%100
61	M71	X	-.636	-.636	0	%100
62	M71	Z	-1.102	-1.102	0	%100
63	M76A	X	-.128	-.128	0	%100
64	M76A	Z	-.222	-.222	0	%100
65	M77A	X	-.323	-.323	0	%100
66	M77A	Z	-.56	-.56	0	%100
67	M78	X	-.323	-.323	0	%100
68	M78	Z	-.56	-.56	0	%100
69	M79A	X	-.593	-.593	0	%100
70	M79A	Z	-1.027	-1.027	0	%100
71	M82	X	-.329	-.329	0	%100
72	M82	Z	-.57	-.57	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M87	X	-.198	-.198	0	%100
76	M87	Z	-.342	-.342	0	%100
77	M88A	X	-.604	-.604	0	%100
78	M88A	Z	-1.046	-1.046	0	%100
79	M90	X	-.636	-.636	0	%100
80	M90	Z	-1.102	-1.102	0	%100
81	M92A	X	-.198	-.198	0	%100
82	M92A	Z	-.342	-.342	0	%100
83	M93	X	0	0	0	%100
84	M93	Z	0	0	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	0	0	0	%100
87	M84B	X	-.235	-.235	0	%100
88	M84B	Z	-.407	-.407	0	%100
89	M89A	X	0	0	0	%100
90	M89A	Z	0	0	0	%100
91	M94A	X	-.235	-.235	0	%100
92	M94A	Z	-.407	-.407	0	%100
93	MP3C	X	-.313	-.313	0	%100
94	MP3C	Z	-.542	-.542	0	%100
95	MP4C	X	-.313	-.313	0	%100
96	MP4C	Z	-.542	-.542	0	%100
97	MP2C	X	-.313	-.313	0	%100
98	MP2C	Z	-.542	-.542	0	%100
99	MP1C	X	-.313	-.313	0	%100
100	MP1C	Z	-.542	-.542	0	%100
101	MP3B	X	-.313	-.313	0	%100
102	MP3B	Z	-.542	-.542	0	%100
103	MP4B	X	-.313	-.313	0	%100
104	MP4B	Z	-.542	-.542	0	%100
105	MP2B	X	-.313	-.313	0	%100
106	MP2B	Z	-.542	-.542	0	%100
107	MP1B	X	-.313	-.313	0	%100
108	MP1B	Z	-.542	-.542	0	%100
109	M109	X	-.271	-.271	0	%100
110	M109	Z	-.469	-.469	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	0	0	0	%100
113	M115	X	-.271	-.271	0	%100
114	M115	Z	-.469	-.469	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M51B	Y	-1.665	-4.227	0	.832
2	M51B	Y	-4.227	-6.9	.832	1.665
3	M51B	Y	-6.9	-8.189	1.665	2.497
4	M51B	Y	-8.189	-6.545	2.497	3.329
5	M51B	Y	-6.545	-3.463	3.329	4.162
6	M52B	Y	-3.47	-6.578	0	.832
7	M52B	Y	-6.578	-8.256	.832	1.665
8	M52B	Y	-8.256	-7.042	1.665	2.497
9	M52B	Y	-7.042	-4.428	2.497	3.329
10	M52B	Y	-4.428	-1.879	3.329	4.162
11	M58A	Y	-1.665	-4.227	0	.832
12	M58A	Y	-4.227	-6.9	.832	1.665
13	M58A	Y	-6.9	-8.189	1.665	2.497
14	M58A	Y	-8.189	-6.545	2.497	3.329
15	M58A	Y	-6.545	-3.463	3.329	4.162
16	M59A	Y	-3.47	-6.578	0	.832
17	M59A	Y	-6.578	-8.256	.832	1.665
18	M59A	Y	-8.256	-7.042	1.665	2.497
19	M59A	Y	-7.042	-4.428	2.497	3.329
20	M59A	Y	-4.428	-1.879	3.329	4.162
21	M82	Y	-1.883	-4.428	0	.832
22	M82	Y	-4.428	-7.048	.832	1.665
23	M82	Y	-7.048	-8.261	1.665	2.497
24	M82	Y	-8.261	-6.572	2.497	3.329
25	M82	Y	-6.572	-3.462	3.329	4.162
26	M83A	Y	-3.463	-6.544	0	.832
27	M83A	Y	-6.544	-8.187	.832	1.665
28	M83A	Y	-8.187	-6.899	1.665	2.497
29	M83A	Y	-6.899	-4.227	2.497	3.329
30	M83A	Y	-4.227	-1.664	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k..	Start Location[ft,%]	End Location[ft,%]
1	M51B	Y	-3.229	-8.195	0	.832
2	M51B	Y	-8.195	-13.378	.832	1.665
3	M51B	Y	-13.378	-15.877	1.665	2.497
4	M51B	Y	-15.877	-12.689	2.497	3.329
5	M51B	Y	-12.689	-6.714	3.329	4.162
6	M52B	Y	-6.727	-12.754	0	.832
7	M52B	Y	-12.754	-16.008	.832	1.665
8	M52B	Y	-16.008	-13.653	1.665	2.497
9	M52B	Y	-13.653	-8.586	2.497	3.329
10	M52B	Y	-8.586	-3.644	3.329	4.162
11	M58A	Y	-3.229	-8.195	0	.832
12	M58A	Y	-8.195	-13.378	.832	1.665
13	M58A	Y	-13.378	-15.877	1.665	2.497
14	M58A	Y	-15.877	-12.689	2.497	3.329
15	M58A	Y	-12.689	-6.714	3.329	4.162
16	M59A	Y	-6.727	-12.754	0	.832
17	M59A	Y	-12.754	-16.008	.832	1.665
18	M59A	Y	-16.008	-13.653	1.665	2.497
19	M59A	Y	-13.653	-8.586	2.497	3.329
20	M59A	Y	-8.586	-3.644	3.329	4.162
21	M82	Y	-3.65	-8.585	0	.832
22	M82	Y	-8.585	-13.664	.832	1.665
23	M82	Y	-13.664	-16.017	1.665	2.497

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,k...	Start Location[ft,%]	End Location[ft,%]
24	M82	Y	-16.017	-12.742	2.497	3.329
25	M82	Y	-12.742	-6.713	3.329	4.162
26	M83A	Y	-6.714	-12.689	0	.832
27	M83A	Y	-12.689	-15.874	.832	1.665
28	M83A	Y	-15.874	-13.377	1.665	2.497
29	M83A	Y	-13.377	-8.196	2.497	3.329
30	M83A	Y	-8.196	-3.225	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N6	N87C	N87B	N7	Y	Two Way	-.005
2	N86	N109	N111	N87	Y	Two Way	-.005
3	N115	N138	N140	N116	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N6	N87C	N87B	N7	Y	Two Way	-.01
2	N86	N109	N111	N87	Y	Two Way	-.01
3	N115	N138	N140	N116	Y	Two Way	-.01

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	1031.702	10	2574.798	13	3234.36	1	5.973	1	1.535	4	.484	4
2		min	-1044.919	4	-137.746	7	-3387.36	7	-2.157	7	-1.549	10	-.45	10
3	N84A	max	2856.115	9	2632.596	21	1564.768	2	.972	3	1.586	12	1.765	3
4		min	-2952.628	3	-100.199	3	-1473.4...	8	-2.947	9	-1.582	6	-5.211	9
5	N113	max	2932.54	11	2679.311	17	1840.258	12	1.077	11	1.705	8	5.303	5
6		min	-2823.94	5	-118.961	11	-1767.5...	6	-3.143	5	-1.737	2	-1.796	11
7	Totals:	max	6448.943	10	7069.142	23	6448.799	1						
8		min	-6448.944	4	3030.598	5	-6448.7...	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Loc[ft]	Dir	LC	phi*Pn...	phi*...	phi*...	phi...	Cb	Eqn
1	MP2C	PIPE_2.0	.745	4.943	6	.122	3.453		8	19360....	321...	1.872	1.8...	1....	H1-1b
2	MP2A	PIPE_2.0	.727	4.943	10	.127	3.453		6	19360....	321...	1.872	1.8...	1.6	H1-1b
3	MP2B	PIPE_2.0	.708	4.943	1	.140	1.286		4	19360....	321...	1.872	1.8...	1....	H1-1b
4	MP3A	PIPE_2.0	.630	4.943	5	.168	4.943		7	19360....	321...	1.872	1.8...	1....	H1-1b
5	MP3C	PIPE_2.0	.611	4.943	1	.159	4.943		3	19360....	321...	1.872	1.8...	1....	H1-1b
6	MP3B	PIPE_2.0	.609	4.943	9	.163	4.943		11	19360....	321...	1.872	1.8...	1....	H1-1b
7	M76A	HSS4X4X3	.507	0	5	.122	0	y	30	95681....	106...	12....	12....	2....	H1-1b
8	M52A	HSS4X4X3	.505	0	9	.109	0	y	43	95681....	106...	12....	12....	2....	H1-1b
9	MP1C	PIPE_2.0	.498	4.943	5	.203	1.286		4	19360....	321...	1.872	1.8...	1....	H1-1b
10	M4	HSS4X4X3	.489	0	1	.098	0	y	15	95681....	106...	12....	12....	2....	H1-1b
11	MP1A	PIPE_2.0	.483	4.943	9	.204	1.286		8	19360....	321...	1.872	1.8...	1....	H1-1b
12	MP1B	PIPE_2.0	.480	4.943	1	.199	1.286		6	19360....	321...	1.872	1.8...	1....	H1-1b
13	MP4A	PIPE_2.0	.406	4.943	5	.205	1.286		6	19360....	321...	1.872	1.8...	1....	H1-1b
14	M89A	PIPE_2.0	.397	.521	5	.145	.651		9	6295.4...	321...	1.872	1.8...	2....	H1-1b
15	MP4C	PIPE_2.0	.393	4.943	1	.193	1.286		2	19360....	321...	1.872	1.8...	1....	H1-1b
16	MP4B	PIPE_2.0	.390	4.943	9	.195	1.286		10	19360....	321...	1.872	1.8...	1....	H1-1b
17	M84B	PIPE_2.0	.388	4.297	8	.153	.651		7	6295.4...	321...	1.872	1.8...	2....	H1-1b
18	M94A	PIPE_2.0	.380	.521	1	.154	.651		5	6295.4...	321...	1.872	1.8...	2....	H1-1b
19	M115	L2.5x2.5x6	.363	0	7	.154	0	z	8	54026....	560...	1.512	3.5...	1....	H2-1

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Loc[ft]	Dir	LC	phi*Pn...	phi*...	phi*...	phi...	Cb	Eqn
20	M112	L2.5x2.5x6	.346	0	11	.154	0	z	6	54026....	560...	1.512	3.5...	1....	H2-1
21	M109	L2.5x2.5x6	.330	0	3	.152	.121	z	4	54026....	560...	1.512	3.5...	1....	H2-1
22	M1	PIPE_3.0	.283	10.026	4	.099	11.719		7	28250....	652...	5.749	5.7...	1....	H1-1b
23	M34	PIPE_3.0	.281	10.026	12	.093	11.719		3	28250....	652...	5.749	5.7...	1....	H1-1b
24	M43A	PIPE_3.0	.278	10.026	8	.096	11.719		11	28250....	652...	5.749	5.7...	1....	H1-1b
25	M88A	PL3/8x6	.271	.167	12	.283	0	y	18	71601....	729...	.57	9.1...	1....	H1-1b
26	M77	PL3/8x6	.266	.167	8	.275	0	y	14	71601....	729...	.57	9.1...	1....	H1-1b
27	M64	PL3/8x6	.264	.167	4	.276	0	y	22	71601....	729...	.57	9.1...	1....	H1-1b
28	M68	PL3/8x6	.261	0	3	.183	0	y	24	70677....	729...	.57	9.1...	2....	H1-1b
29	M93	PL3/8x6	.256	.167	10	.270	0	y	16	71601....	729...	.57	9.1...	1....	H1-1b
30	M85	PL3/8x6	.256	.167	6	.263	0	y	24	71601....	729...	.57	9.1...	1....	H1-1b
31	M69	PL3/8x6	.253	.167	2	.270	0	y	20	71601....	729...	.57	9.1...	1....	H1-1b
32	M87	PL3/8x6	.249	0	8	.238	0	y	10	70677....	729...	.57	9.1...	1....	H1-1b
33	M55	PL1/2x6	.244	.516	2	.241	0	y	6	66009....	972...	1.012	12....	1....	H1-1b
34	M79A	PL1/2x6	.244	.516	5	.233	0	y	2	66009....	972...	1.012	12....	1....	H1-1b
35	M77A	HSS4X4X3	.244	2.375	18	.081	.223	z	6	104414...	106...	12....	12....	1....	H1-1b
36	M63	PL3/8x6	.243	0	12	.232	0	y	2	70677....	729...	.57	9.1...	1....	H1-1b
37	M46	PL1/2x6	.240	.516	6	.234	0	y	10	66009....	972...	1.012	12....	1....	H1-1b
38	M53	HSS4X4X3	.240	2.375	22	.080	.223	z	10	104414...	106...	12....	12....	1....	H1-1b
39	M10	HSS4X4X3	.236	2.375	14	.078	.223	z	2	104414...	106...	12....	12....	1....	H1-1b
40	M76	PL3/8x6	.235	0	4	.240	0	y	6	70677....	729...	.57	9.1...	1....	H1-1b
41	M78	HSS4X4X3	.232	0	16	.070	2.152	z	4	104414...	106...	12....	12....	1....	H1-1b
42	M54	HSS4X4X3	.230	0	20	.067	0	y	18	104414...	106...	12....	12....	1....	H1-1b
43	M92A	PL3/8x6	.228	0	4	.186	0	y	20	70677....	729...	.57	9.1...	1....	H1-1b
44	M84	PL3/8x6	.224	0	12	.178	0	y	16	70677....	729...	.57	9.1...	1....	H1-1b
45	M43	HSS4X4X3	.224	0	24	.069	2.152	z	12	104414...	106...	12....	12....	1....	H1-1b
46	M58A	L2x2x3	.213	4.162	10	.014	0	y	13	9823.1...	233...	.558	1.0...	1....	H2-1
47	M83A	L2x2x3	.213	0	5	.013	4.162	y	13	9823.1...	233...	.558	1.0...	1....	H2-1
48	M82	L2x2x3	.212	4.162	6	.014	0	y	21	9823.1...	233...	.558	1.0...	1....	H2-1
49	M52B	L2x2x3	.209	0	12	.014	4.162	y	21	9823.1...	233...	.558	1.0...	1....	H2-1
50	M51B	L2x2x3	.206	4.162	2	.014	0	y	17	9823.1...	233...	.558	1.0...	1....	H2-1
51	M59A	L2x2x3	.202	0	8	.014	4.162	y	17	9823.1...	233...	.558	1.0...	1....	H2-1
52	M95	PL1/2x6	.065	.112	11	.113	0	y	7	96757....	972...	1.012	12....	1....	H1-1b
53	M71	PL1/2x6	.065	.112	3	.111	0	y	11	96757....	972...	1.012	12....	1....	H1-1b
54	M91	PL1/2x6	.064	.112	7	.108	0	y	3	96757....	972...	1.012	12....	1....	H1-1b
55	M90	PL1/2x6	.061	.112	5	.098	.112	y	9	96757....	972...	1.012	12....	1....	H1-1b
56	M80	PL1/2x6	.060	.112	6	.101	.112	y	5	96757....	972...	1.012	12....	1....	H1-1b
57	M66	PL1/2x6	.055	.112	2	.096	.112	y	1	96757....	972...	1.012	12....	1....	H1-1b

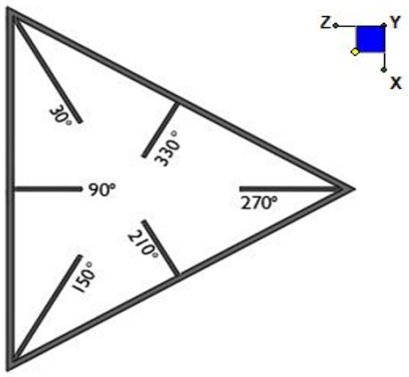
Client:	Verizon Wireless	Date:	5/7/2021
Site Name:	OXFORD NORTH CT		
Project No.	21777125A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

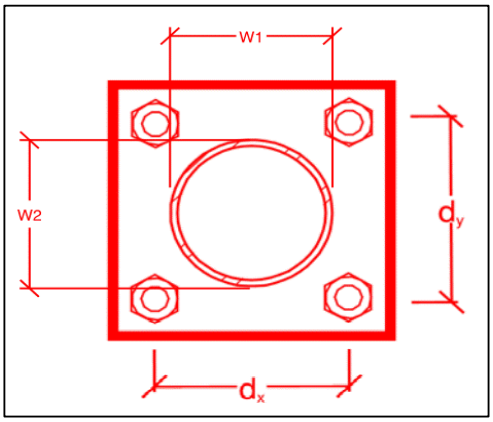
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N3	270
N84A	30
N113	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	7
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	7
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	24.4
Required Shear Strength (kips):	4.1
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**29.5%***
Shear Capacity Overall:	**8.2%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.875
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	3.68
Plate Bending Capacity:	**29.8%**
Weld Capacity:	**88.1%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	18.3
Phi*Mn_{xx} *(kip-in)* :	62.0
Mu_{yy} *(kip-in)* :	0.2
Phi*Mn_{yy} *(kip-in)* :	62.0

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

Base Requirements:

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

Photo Requirements:

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

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

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

- Contractor shall wire brush clean all rusted members and reapply cold galvination to all exposed steel.
- Contractor shall field verify the adequacy of all welded connections from the standoff horizontal to the mount collar assembly. Contractor to notify Maser Consulting immediately if damage to weld is identified.
- Contractor shall remove all previously utilized RRH pipes (and connection hardware) mounted to the standoff horizontals of the mount.

Response:

Schedule A – Photo & Document File Structure

- VzW Site Number / Name
  - Base & “During Installation” Photos
  - Pre-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
  - Post-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
    - Photos of climbing facility and safety climb – If Present
  - Certifications – Submission of this document including certifications
  - Specific Required Additional Photos

Structure: 468396-VZW - OXFORD NORTH CT

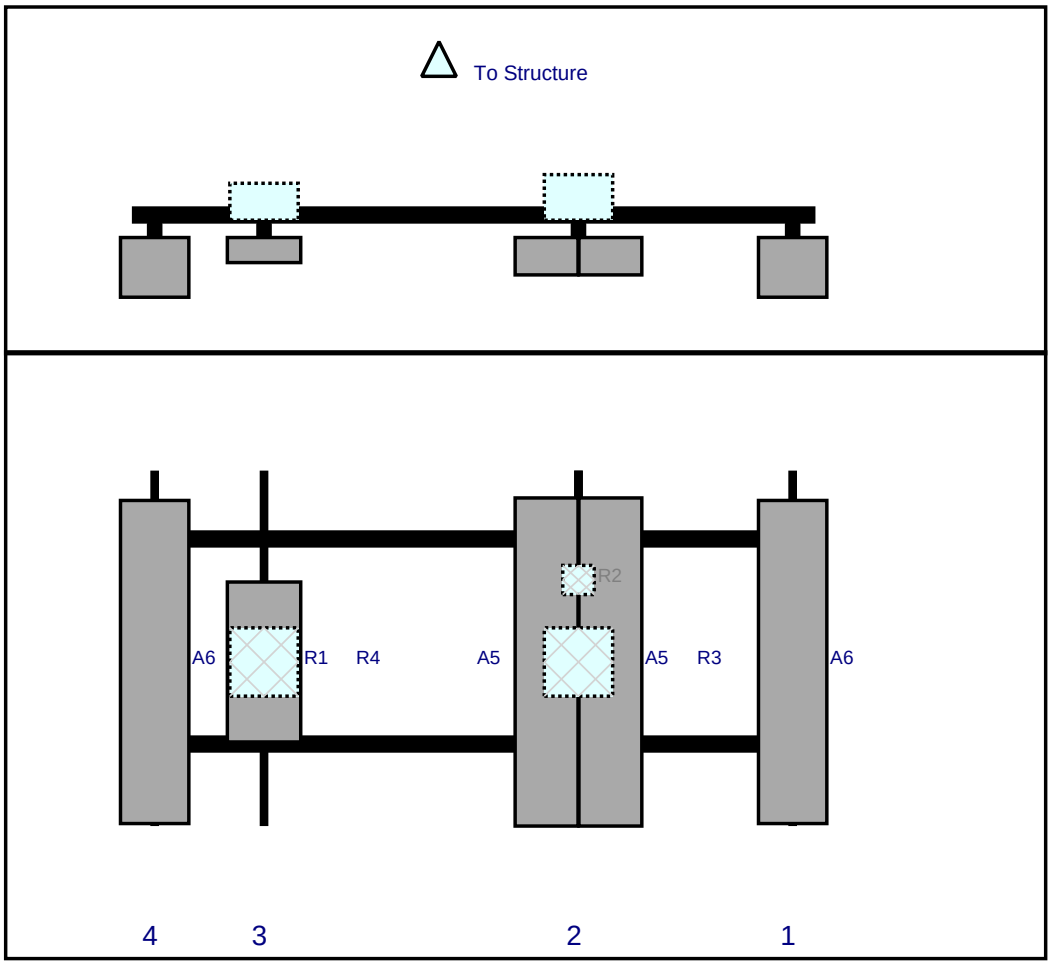
Sector: **A** 5/7/2021

Structure Type: Monopole

Mount Elev: 145.50 Page: 1

Plan View

Front View
Looking at Structure

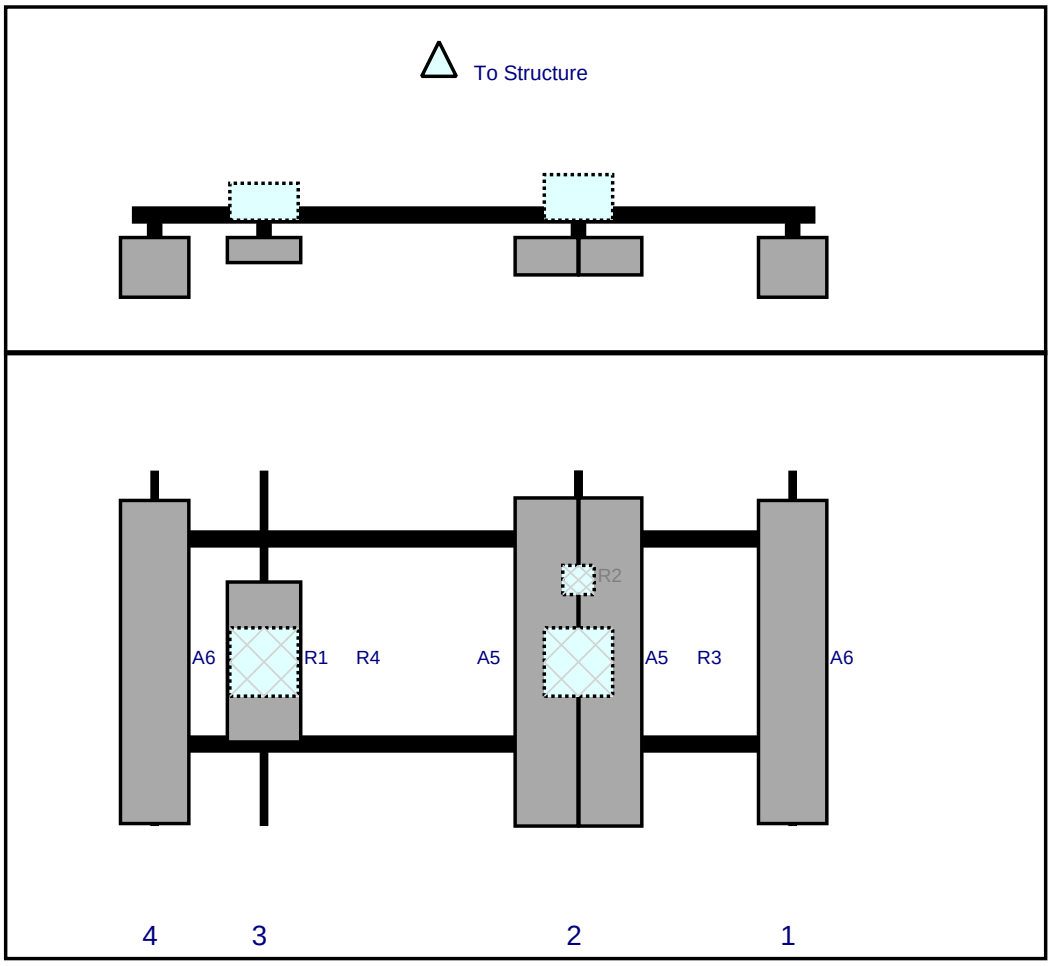


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LPA-80063/6CF	70.9	15	145	1	a	Front	42	0	Retained	03/23/2021
A5	JAHH-65B-R3B	72	13.8	98	2	a	Front	42	7	Retained	03/23/2021
A5	JAHH-65B-R3B	72	13.8	98	2	b	Front	42	-7	Retained	03/23/2021
R2	CBC78T-DS-43	6.4	6.9	98	2	a	Behind	24	0	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	98	2	a	Behind	42	0	Added	
R1	MT6407-77A	35.1	16.1	29	3	a	Front	42	0	Added	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	29	3	a	Behind	42	0	Added	
A6	LPA-80063/6CF	70.9	15	5	4	a	Front	42	0	Retained	03/23/2021

Copyright 2019 by Tower Engineering Solutions, LLC. All Rights Reserved

Plan View

Front View
Looking at Structure

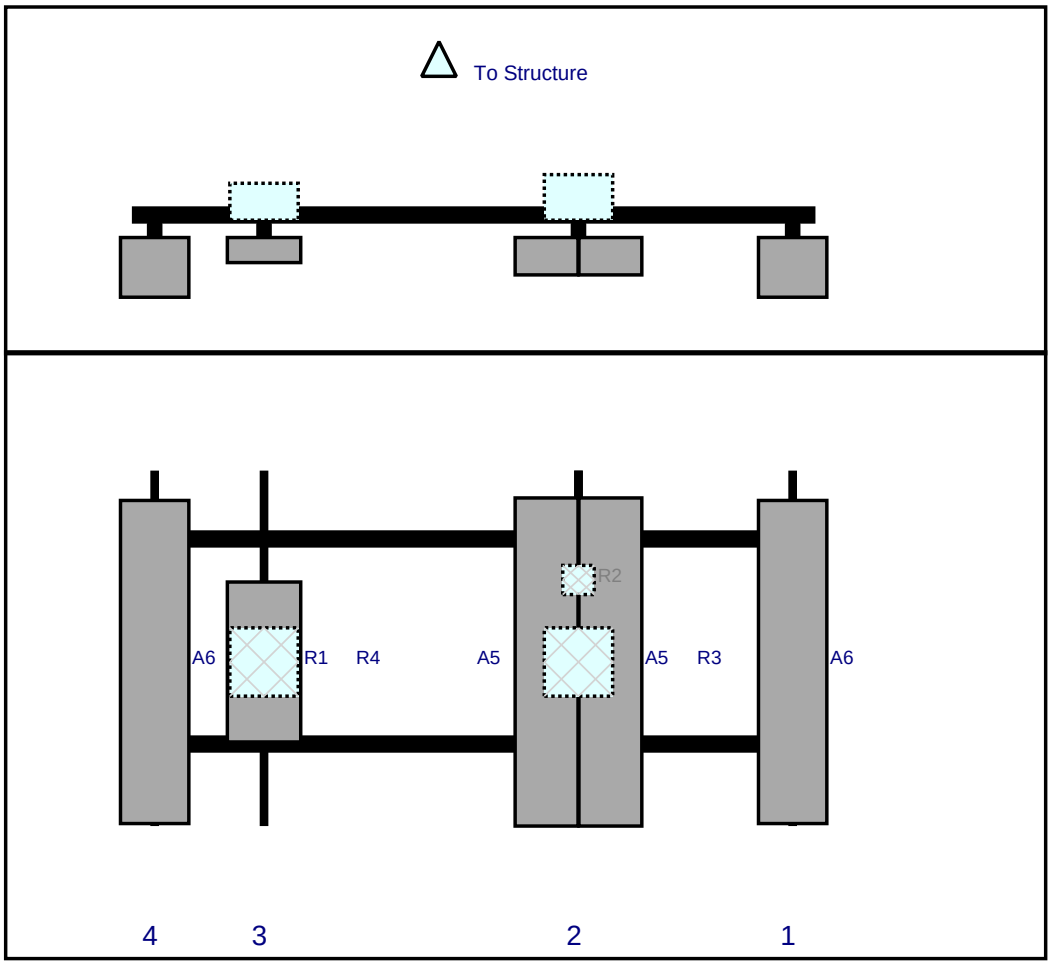


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LPA-80063/6CF	70.9	15	145	1	a	Front	42	0	Retained	03/23/2021
A5	JAHH-65B-R3B	72	13.8	98	2	a	Front	42	7	Retained	03/23/2021
A5	JAHH-65B-R3B	72	13.8	98	2	b	Front	42	-7	Retained	03/23/2021
R2	CBC78T-DS-43	6.4	6.9	98	2	a	Behind	24	0	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	98	2	a	Behind	42	0	Added	
R1	MT6407-77A	35.1	16.1	29	3	a	Front	42	0	Added	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	29	3	a	Behind	42	0	Added	
A6	LPA-80063/6CF	70.9	15	5	4	a	Front	42	0	Retained	03/23/2021

Copyright 2019 by Tower Engineering Solutions, LLC. All Rights Reserved

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LPA-80063/6CF	70.9	15	145	1	a	Front	42	0	Retained	03/23/2021
A5	JAHH-65B-R3B	72	13.8	98	2	a	Front	42	7	Retained	03/23/2021
A5	JAHH-65B-R3B	72	13.8	98	2	b	Front	42	-7	Retained	03/23/2021
R2	CBC78T-DS-43	6.4	6.9	98	2	a	Behind	24	0	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	98	2	a	Behind	42	0	Added	
R1	MT6407-77A	35.1	16.1	29	3	a	Front	42	0	Added	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	29	3	a	Behind	42	0	Added	
A6	LPA-80063/6CF	70.9	15	5	4	a	Front	42	0	Retained	03/23/2021

Copyright 2019 by Tower Engineering Solutions, LLC. All Rights Reserved

Maser Consulting Connecticut

Subject	*TIA-222-H Usage*	
Site Information	*Site ID:*	*468396-VZW / OXFORD NORTH CT*
	Site Name:	*OXFORD NORTH CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*691 Oxford Rd.* *Oxford, Connecticut 06478* *New Haven County*
	Latitude:	*41.447086°*
	Longitude:	*-73.152308°*
Structure Information	*Tower Type:*	*150-Ft Monopole*
	Mount Type:	*12.50-Ft Platform Mount*

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 2018 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,

Taqi Khawaja, PE
Technical Manager

Exhibit F

Power Density/RF Emissions Report

Site Name: ***OXFORD NORTH CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)
VZW 700	751	4	648	2593	147	0.0043
VZW CDMA	877.26	2	498	995	147	0.0017
VZW Cellular	874	4	742	2969	147	0.0049
VZW PCS	1975	4	1561	6243	147	0.0104
VZW AWS	2120	4	1618	6474	147	0.0108
VZW CBAND	3730.08	4	6531	26125	147	0.0435

Total Percentage of Maximum Permissible Exposure

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Counci

MHz = Megahertz
mW/cm^2 = milliwatts per square centimeter
ERP = Effective Radiated Power

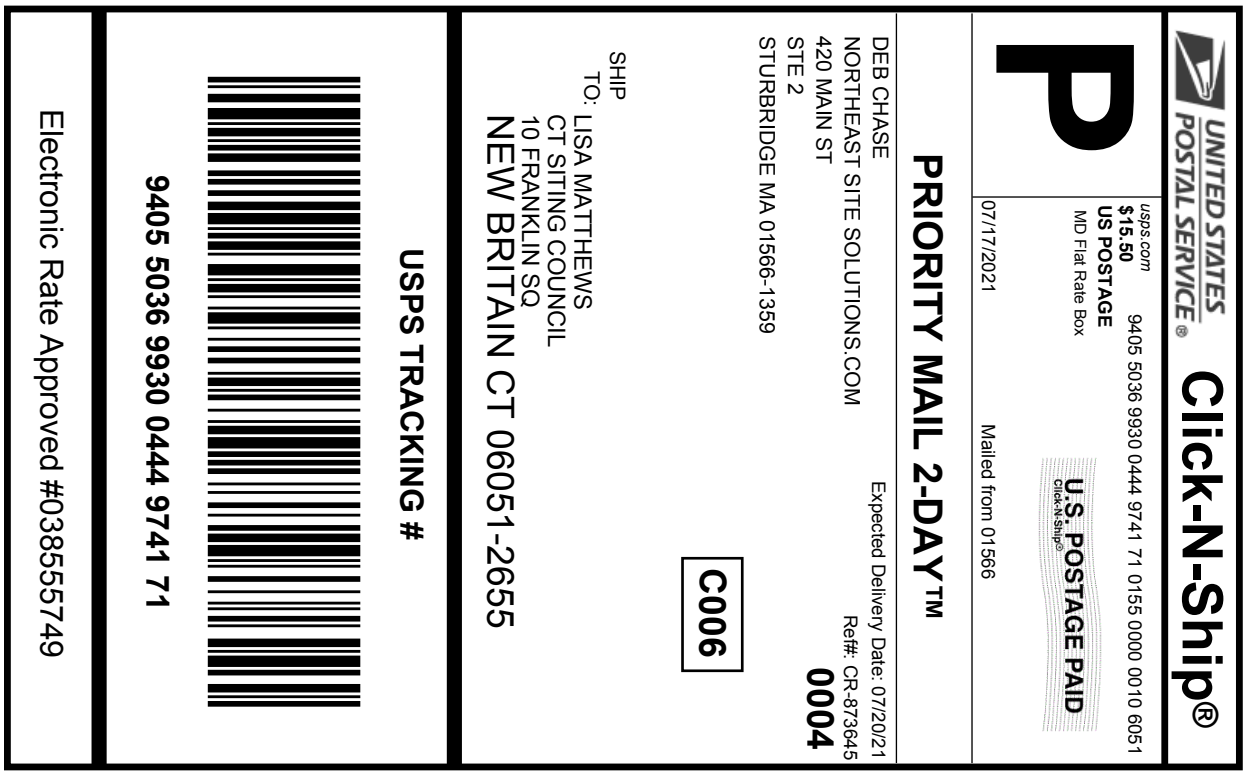
Absolute worst case maximum values used.

Maximum Permissible Exposure*	Fraction of MPE
(mW/cm^2)	(%)
0.5007	0.86%
0.5848	0.28%
0.5827	0.85%
1.0000	1.04%
1.0000	1.08%
1.0000	4.35%
	8.46%

/IEEE C95.1-199
il's November 10, 2015 Memorandum for Exempt Modification filing

Exhibit G

Recipient Mailings



Cut on dotted line.

Instructions

1. **Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.**
2. **Place your label so it does not wrap around the edge of the package.**
3. **Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.**
4. **To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.**
5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0444 9741 71

Trans. #:	538412919
Print Date:	07/14/2021
Ship Date:	07/17/2021
Expected Delivery Date:	07/20/2021

Priority Mail® Postage:	**$15.50**
Total:	**$15.50**

From: DEB CHASE Ref#: CR-873645
NORTHEAST SITE SOLUTIONS.COM
420 MAIN ST
STE 2
STURBRIDGE MA 01566-1359

To: LISA MATTHEWS
CT SITING COUNCIL
10 FRANKLIN SQ
NEW BRITAIN CT 06051-2655

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the USPS Tracking® page at usps.com

Tracking Number: 9405503699300444974171

Your item was delivered in or at the mailbox at 9:59 am on July 24, 2021 in NEW BRITAIN, CT 06051.

USPS Tracking Plus™ Available

Status

Delivered, In/At Mailbox

July 24, 2021 at 9:59 am
NEW BRITAIN, CT 06051

Get Updates

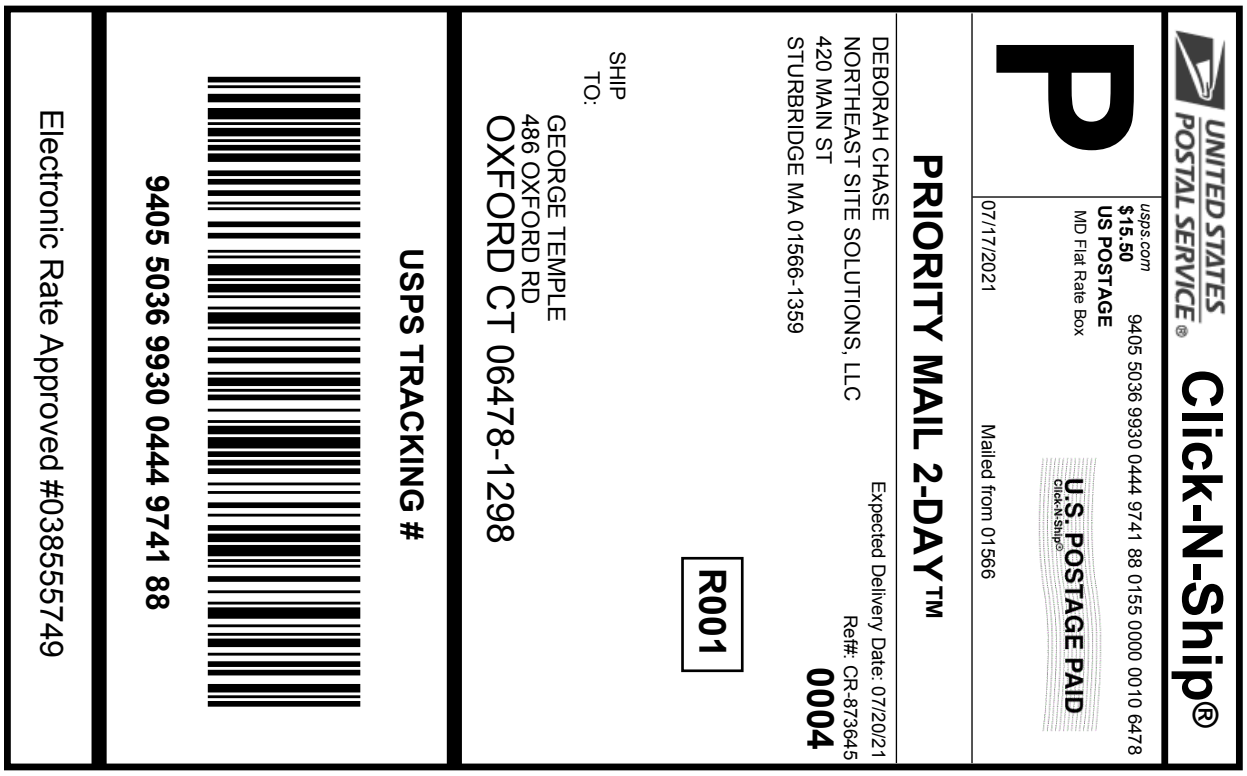
Delivered

Text & Email Updates

Tracking History

USPS Tracking Plus™

Product Information



Cut on dotted line.

Instructions

1. **Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.**
2. **Place your label so it does not wrap around the edge of the package.**
3. **Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.**
4. **To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.**
5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0444 9741 88

Trans. #:	538412919
Print Date:	07/14/2021
Ship Date:	07/17/2021
Expected Delivery Date:	07/20/2021

Priority Mail® Postage:	**$15.50**
Total:	**$15.50**

From: DEBORAH CHASE Ref#: CR-873645
NORTHEAST SITE SOLUTIONS, LLC
420 MAIN ST
STURBRIDGE MA 01566-1359

To: GEORGE TEMPLE
486 OXFORD RD
OXFORD CT 06478-1298

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the USPS Tracking® page at usps.com

Tracking Number: 9405503699300444974188

Your item was delivered in or at the mailbox at 11:00 am on July 19, 2021 in OXFORD, CT 06478.

USPS Tracking Plus™ Available

Status

Delivered, In/At Mailbox

July 19, 2021 at 11:00 am
OXFORD, CT 06478

Get Updates

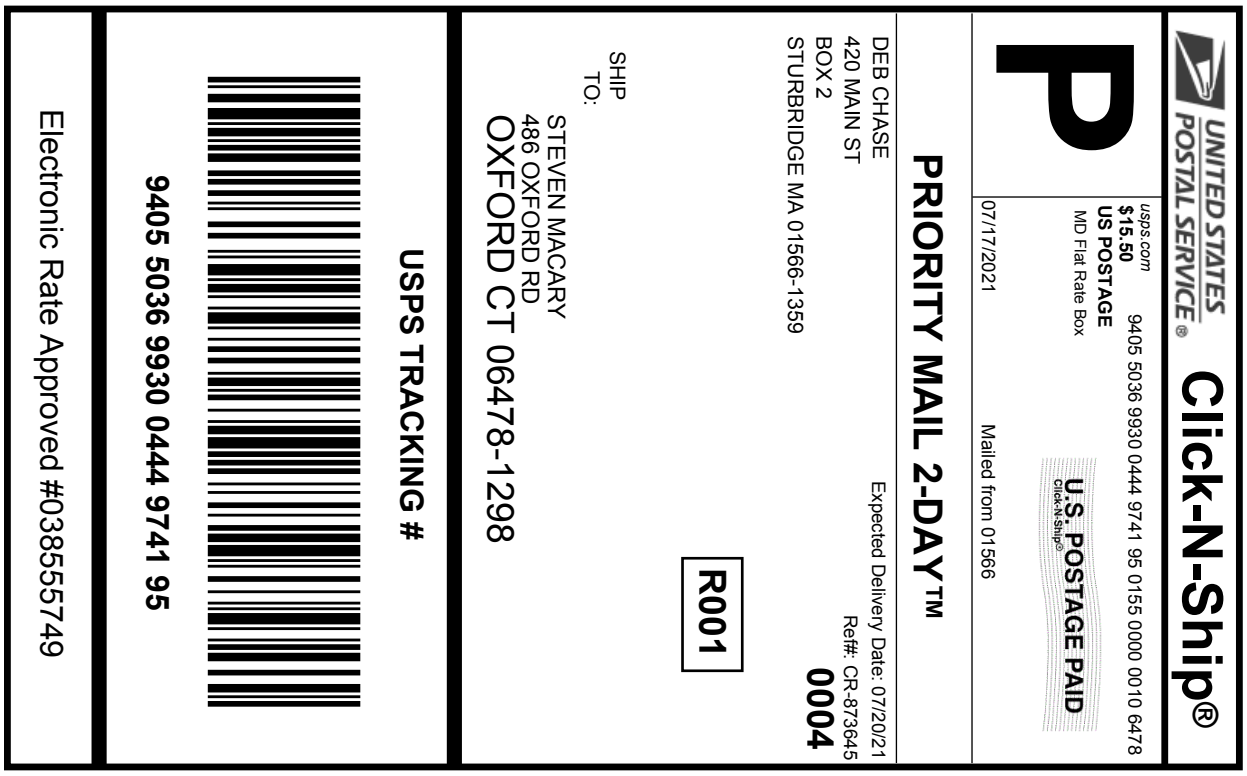
Delivered

Text & Email Updates

Tracking History

USPS Tracking Plus™

Product Information



Cut on dotted line.

Instructions

1. **Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.**
2. **Place your label so it does not wrap around the edge of the package.**
3. **Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.**
4. **To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.**
5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0444 9741 95

Trans. #:	538412919
Print Date:	07/14/2021
Ship Date:	07/17/2021
Expected Delivery Date:	07/20/2021

Priority Mail® Postage:	**$15.50**
Total:	**$15.50**

From: DEB CHASE
420 MAIN ST
BOX 2
STURBRIDGE MA 01566-1359

Ref#: CR-873645

To: STEVEN MACARY
486 OXFORD RD
OXFORD CT 06478-1298

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the USPS Tracking® page at usps.com

Tracking Number: 9405503699300444974195

Your item was delivered in or at the mailbox at 11:00 am on July 19, 2021 in OXFORD, CT 06478.

USPS Tracking Plus™ Available

Status

Delivered, In/At Mailbox

July 19, 2021 at 11:00 am
OXFORD, CT 06478

Get Updates

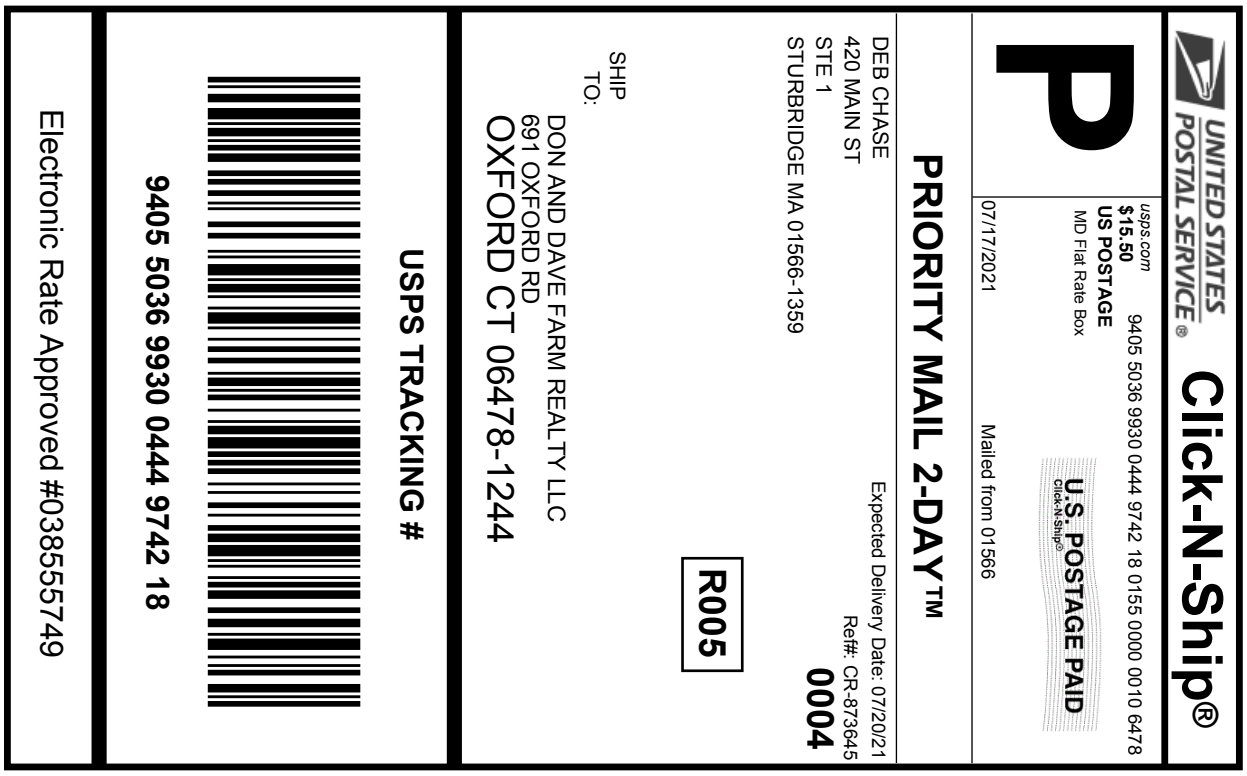
Delivered

Text & Email Updates

Tracking History

USPS Tracking Plus™

Product Information



Cut on dotted line.

Instructions

1. **Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.**
2. **Place your label so it does not wrap around the edge of the package.**
3. **Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.**
4. **To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.**
5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0444 9742 18

Trans. #:	538412919
Print Date:	07/14/2021
Ship Date:	07/17/2021
Expected Delivery Date:	07/20/2021

Priority Mail® Postage:	**$15.50**
Total:	**$15.50**

From: DEB CHASE
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-873645

To: DON AND DAVE FARM REALTY LLC
691 OXFORD RD
OXFORD CT 06478-1244

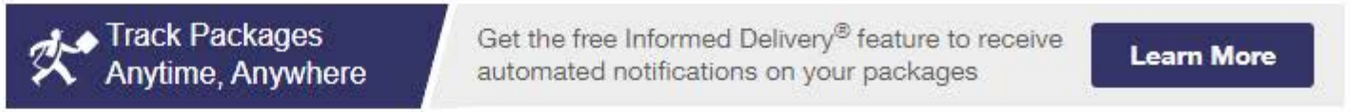
* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the USPS Tracking® page at usps.com

USPS Tracking®

Tracking | FAQs >

Track Another Package +



Tracking Number: 9405503699300444974218

Remove ×

Status

Delivered, In/At Mailbox

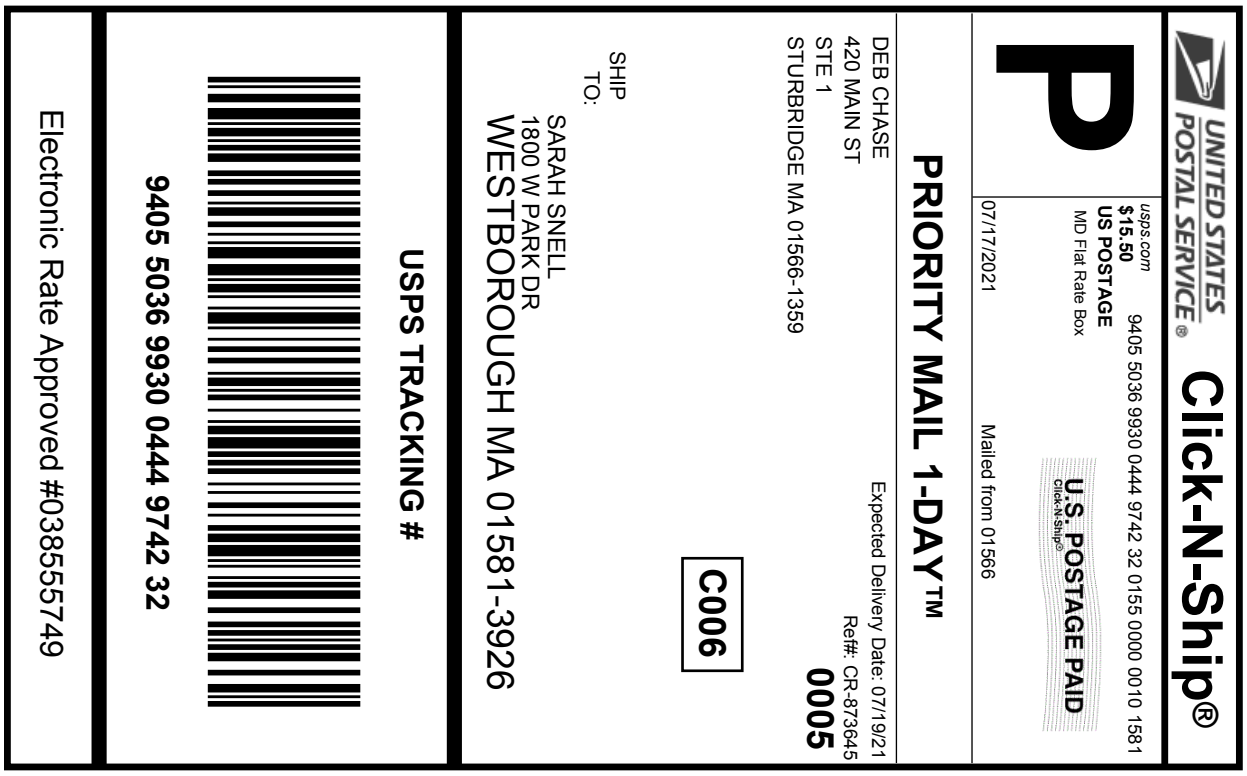
July 19, 2021 at 9:48 am
OXFORD, CT 06478

Your item was delivered in or at the mailbox at 9:48 am on July 19, 2021 in OXFORD, CT 06478.

USPS Tracking Plus™ Available

Delivered

- **Text & Email Updates**
- **Tracking History**
- **USPS Tracking Plus™**
- **Product Information**



Cut on dotted line.

Instructions

1. **Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.**
2. **Place your label so it does not wrap around the edge of the package.**
3. **Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.**
4. **To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.**
5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0444 9742 32

Trans. #:	538412919
Print Date:	07/14/2021
Ship Date:	07/17/2021
Expected Delivery Date:	07/19/2021

Priority Mail® Postage:	**$15.50**
Total:	**$15.50**

From: DEB CHASE
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-873645

To: SARAH SNELL
1800 W PARK DR
WESTBOROUGH MA 01581-3926

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the USPS Tracking® page at usps.com

Tracking Number: 9405503699300444974232

Your item was delivered in or at the mailbox at 12:25 pm on July 21, 2021 in WESTBOROUGH, MA 01581.

USPS Tracking Plus™ Available

Status

Delivered, In/At Mailbox

July 21, 2021 at 12:25 pm
WESTBOROUGH, MA 01581

Get Updates

Delivered

Text & Email Updates

Tracking History

USPS Tracking Plus™

Product Information