CROWN CASTLE

1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

Phone: (314) 513-0147
www.crowncastle.com

October 13, 2021

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

RE: **Notice of Exempt Modification for Verizon**
Crown Site ID# 876374; Verizon Site #467659
31F Clarks Falls Rd. North Stonington, CT 06359
Latitude: 41.464789/ Longitude: -72.826283

Dear Ms. Bachman:

Verizon currently maintains nine (9) antennas at the 152-foot mount on the existing 150-foot Monopole Tower located at 31F Clarks Falls Rd. in North Stonington. The property is owned by Ray G Jones and the Tower by Crown Castle. Verizon now intends to replace nine (9) existing antennas and add nine (9) new antennas. This modification/proposal includes hardware that is both 4G(LTE) and 5G capable through remote software configuration and either or both services may be turned on or off at various times.

Planned Modifications:
Tower:

REMOVE AND REPLACE

(3) Antel – BXA-70063-6CF-EDIN-0 Antennas **(REMOVE)** – (3) Samsung – VZS01 antennas **(REPLACE)**

(6) Antel – BXA-171063-12CF Antennas **(REMOVE)** - (6) JMA Wireless – MX06FRO660-03 Antennas – **(REPLACE)**

(3) Nokia – UHBB B13 Remote Radio heads **(REMOVE)** – (3) Samsung B2/B66 BRO49 Remote Radio Head **(REPLACE)**

(3) Nokia – UHID B4 Remote Radio heads **(REMOVE)** – (3) Samsung B5/B13 BR04C Remote Radio Heads **(REPLACE)**

(2) Raycap – OVP-6 Pendant **(REMOVE)** – (1) Raycap – OVP-12 **(REPLACE)**

(6) 6x12 Hybrid cables **(REMOVE)** – New 6x12 Hybrid cables **(REPLACE)**

INSTALL

(1) Support Rail kit

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RELOCATE
(3) Antel – BXA-70063-6CF-EDIN-0 Antennas

The facility was approved by the Connecticut Siting Council by way of Certificate of Environmental Compatibility and Public Need Docket Number 214 on April 3, 2002.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. §16-50j-72(b)(2). In accordance with R.C.S.A. §16-50j-73, a copy of this letter is being sent to Michael A. Urgo, First Selectman for the Town of North Stonington as well as Timothy Brennan, Building Official for the Town of North Stonington. A copy will also be sent to the property owner.

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

2. The proposed modifications will not require the extension of the site boundary.

3. The proposed modification 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 Communication 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 respectfully submits that the proposed modifications to the above-reference telecommunications facility constitutes an exempt modification under R.C.S.A. §16-50j-72(b)(2).

Sincerely,

Ersilia Davis
NETWORK BUILDING + CONSULTING
Project Manager
1777 Sentry Parkway W | VEVA 17, Suite 400
Blue Bell, PA 19422
edavis@nbcllc.com
(551)804-0667

CROWN CASTLE

1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

Phone: (314) 513-0147
www.crowncastle.com

cc:

Michael A. Urgo, First Selectman: *(via Fedex)*
Old Town Hall
40 Main Street
North Stonington, CT 06359
(860) 535-2877 ext. 110

Timothy Brennan, Building Official *(via Fedex)*
Old Town Hall
40 Main Street
North Stonington, CT 06359
(860)-535-2877 ext 118

Ray G Jones *(via FedEx)*
31F Clarks Falls Rd.
North Stonington, CT 06359
860-599-4814

TRACK ANOTHER SHIPMENT

284858473804

ADD NICKNAME

Delivered
Thursday, October 14, 2021 at 11:18 am

DELIVERED

Signed for by: A.PANCARO

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Ersilia Davis

1777 Sentry Parkway
VEVA 17, Suite 210
Blue Bell, PA US 19422
551-804-0667

TO

Michael A. Urgo
Old Town Hall

40 Main Street
NORTH STONINGTON, CT US 06359
860-535-2877

Travel History

TIME ZONE
Local Scan Time

Thursday, October 14, 2021

11:18 AM	NORTH STONINGTON, CT	Delivered
9:32 AM	NORWICH, CT	At local FedEx facility
9:32 AM	NORWICH, CT	On FedEx vehicle for delivery
8:23 AM	NORWICH, CT	At local FedEx facility
3:23 AM	NEWARK, NJ	Departed FedEx hub

Wednesday, October 13, 2021

10:37 PM	NEWARK, NJ	Arrived at FedEx hub

9:20 PM	NEWBURGH, NY	Left FedEx origin facility
6:30 PM	NEWBURGH, NY	Picked up
4:32 PM		Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER
284858473804

SERVICE
FedEx Priority Overnight

WEIGHT
1 lbs / 0.45 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Receptionist/Front Desk

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
1 lbs / 0.45 kgs

TERMS
Shipper

SHIPPER REFERENCE
100788/NBC 876374

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
10/13/21

STANDARD TRANSIT
10/14/21 before 12:00 pm

ACTUAL DELIVERY
10/14/21 at 11:18 am

TRACK ANOTHER SHIPMENT

284858682642

ADD NICKNAME

Delivered
Thursday, October 14, 2021 at 11:59 am

DELIVERED
Signature not required

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM
Ersilia Davis
1777 Sentry Parkway
VEVA 17, Suite 210
Blue Bell, PA US 19422
551-804-0667

TO
Ray G Jones
31F Clarks Falls Rd.
NORTH STONINGTON, CT US 06359
860-599-4814

Travel History

TIME ZONE
Local Scan Time

Thursday, October 14, 2021

11:59 AM	NORTH STONINGTON, CT	Delivered Package delivered to recipient address - release authorized
9:26 AM	NORWICH, CT	On FedEx vehicle for delivery
8:23 AM	NORWICH, CT	At local FedEx facility
3:23 AM	NEWARK, NJ	Departed FedEx hub

Wednesday, October 13, 2021

6:30 PM	NEWBURGH, NY	Picked up
4:36 PM		Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER **SERVICE** **WEIGHT**

284858682642

FedEx Priority Overnight

1 lbs / 0.45 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Residence

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
1 lbs / 0.45 kgs

TERMS
Shipper

SHIPPER REFERENCE
100788/NBC 87374

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday, Residential Delivery

SHIP DATE
10/13/21

STANDARD TRANSIT
10/14/21 before 12:00 pm

ACTUAL DELIVERY
10/14/21 at 11:59 am

TRACK ANOTHER SHIPMENT

284858192135

ADD NICKNAME

Delivered
Thursday, October 14, 2021 at 11:18 am

DELIVERED

Signed for by: A.PANCARO

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Ersilia Davis

1777 Sentry Parkway
VEVA 17, Suite 210
Blue Bell, PA US 19422
551-804-0667

TO

Timothy Brennan
Old Town Hall

40 Main Street
NORTH STONINGTON, CT US 06359
860-535-2877

Travel History

TIME ZONE
Local Scan Time

Thursday, October 14, 2021

11:18 AM	NORTH STONINGTON, CT	Delivered
9:33 AM	NORWICH, CT	At local FedEx facility
9:33 AM	NORWICH, CT	On FedEx vehicle for delivery
8:30 AM	NORWICH, CT	At local FedEx facility
3:23 AM	NEWARK, NJ	Departed FedEx hub

Wednesday, October 13, 2021

10:37 PM	NEWARK, NJ	Arrived at FedEx hub

9:20 PM	NEWBURGH, NY	Left FedEx origin facility
6:30 PM	NEWBURGH, NY	Picked up
4:28 PM		Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER
284858192135

SERVICE
FedEx Priority Overnight

WEIGHT
1 lbs / 0.45 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Receptionist/Front Desk

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
1 lbs / 0.45 kgs

TERMS
Shipper

SHIPPER REFERENCE
100788/ NBC 876374

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
10/13/21

STANDARD TRANSIT
10/14/21 before 12:00 pm

ACTUAL DELIVERY
10/14/21 at 11:18 am

Exhibit A

Original Facility Approval

DOCKET NO. 214 - Sprint Spectrum, L.P. d/b/a Sprint PCS application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telecommunications facility at 31F Clarks Falls Road or 472 Pendleton Hill Road, North Stonington, Connecticut.	} } } }	Connecticut Siting Council April 3, 2002

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility at the proposed prime site (31F Clarks Falls Road) in North Stonington, Connecticut, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Sprint Spectrum d/b/a Sprint PCS for the construction, maintenance, and operation of a wireless telecommunications facility at the proposed prime site at 31F Clarks Falls Road in North Stonington, Connecticut. We deny certification of the proposed alternate site at 472 Pendleton Hill Road, North Stonington.

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

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas for Sprint PCS, and other telecommunications entities, both public and private, but such tower shall not exceed a height of 150 feet above ground level.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include: a final site plan(s) for development of the proposed prime site including the location and specifications for the tower foundation, antennas, equipment and foundation for equipment, security fence, access road, and utility line that shall be underground; construction plans for site clearing, tree trimming, water drainage, and erosion and sedimentation controls consistent with the Connecticut Guidelines for Soil Erosion and Sediment

Control, as amended; landscaping; a tower finish that may include painting; and provisions for the prevention and containment of spills and/or other discharge into surface water and groundwater bodies.

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

4. The Certificate Holder shall provide electromagnetic radio frequency power density measurements within sixty days following commencement of commercial operation.

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

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

7. Following completion of construction, if the facility does not initially provide or permanently ceases to provide wireless services this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment within sixty days, or reapply for any continued or new use to the Council before any such use is made.

8. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and cease to function.

9. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The Hartford Courant, Norwich Bulletin and the New London Day.

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

The parties and intervenors to this proceeding are:

Applicant

Sprint Spectrum, d/b/a Sprint PCS

Thomas J. Regan, Esq.
Brown, Rudnick, Freed & Gesmer, P.C.
CityPlace 1, 38th Floor
185 Asylum Street
Hartford, CT 06103-3402

Exhibit B

Property Card

Town of North Stonington, CT

Property Listing Report | Map Block Lot 89-6768 | Account J8610001

Property Information

Property Location	31F CLARKS FALLS
Owner	JONES RAY G
Co-Owner	
Mailing Address	31D CLARKS FALLS NORTH STONINGTON CT 06359
Land Use	4310 TEL REL TW
Land Class	I
Zoning Code	R80
Census Tract	7071
Sub Lot	

Neighborhood	
Acreage	0.25
Utilities	
Lot Setting/Desc	Rural Rolling
Survey Map	
Additional Info	

Photo

No Photo Available

Sketch

Primary Construction Details

Year Built	
Stories	
Building Style	
Building Use	
Building Condition	
Floors	
Total Rooms	

Bedrooms	
Full Bathrooms	
Half Bathrooms	
Bath Style	
Kitchen Style	
Roof Style	
Roof Cover	

Exterior Walls	
Interior Walls	
Heating Type	
Heating Fuel	
AC Type	
Gross Bldg Area	
Total Living Area	

Report Created On 9/27/2018

Town of North Stonington, CT

Property Listing Report | Map Block Lot 89-6768 | Account J8610001

Valuation Summary (Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	0	0
Extras	0	0
Outbuildings	0	0
Land	115000	80500
Total	115000	80500

Outbuilding and Extra Items

Type	Description

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area		0

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
JONES RAY G	195/ 345	10/7/2009	0
JONES DONALD A & BARBARA S	25/ 374	10/3/1951	0

Report Created On 9/27/2018

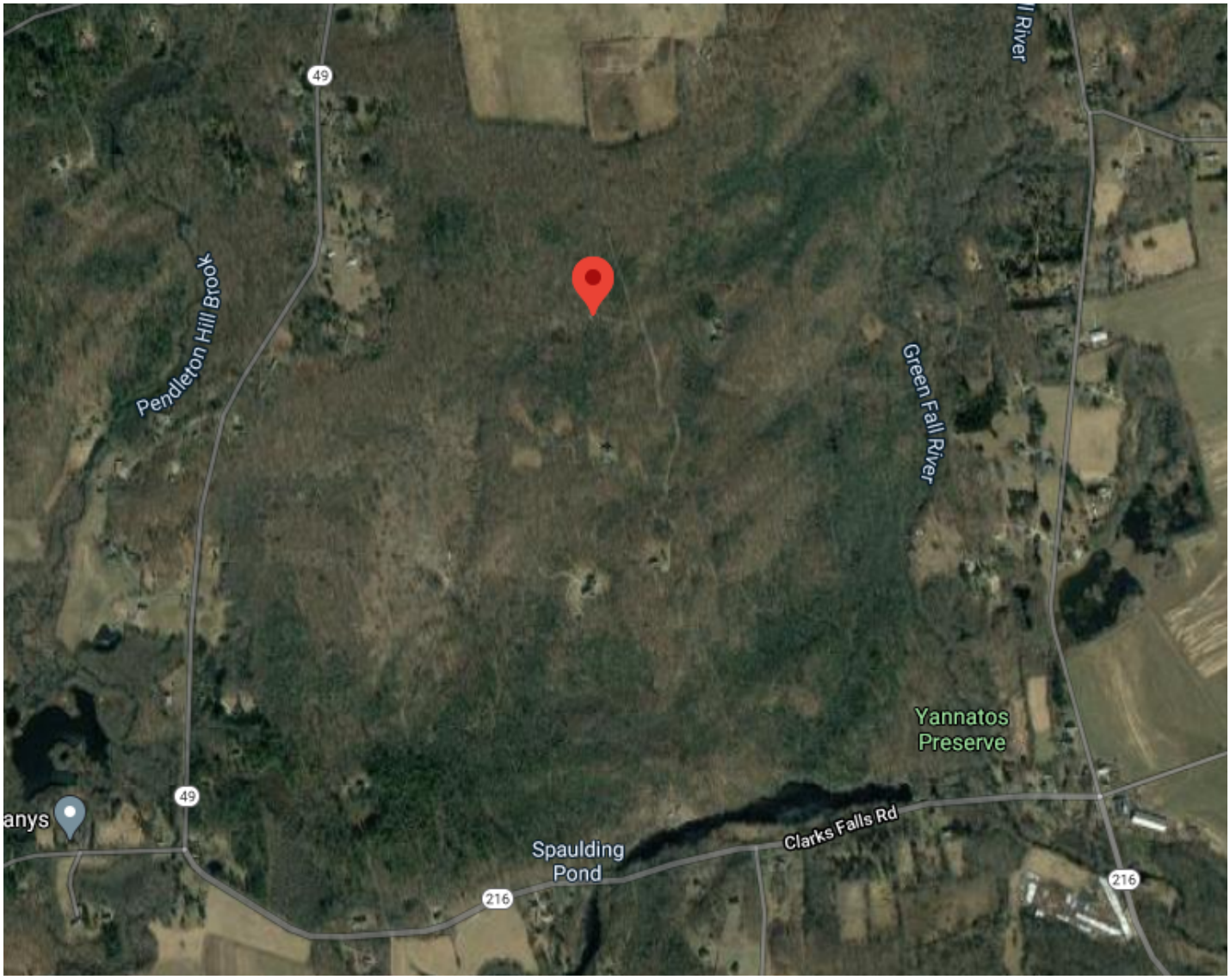

49
Pendleton Hill Brook
Green Fall River
Yannatos
Preserve
49
Spaulding
Pond
Clarks Falls Rd
216
216

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 467659
VERIZON SITE NAME: NORTH STONINGTON EAST CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 150'-0"

BUSINESS UNIT #: 876374
SITE ADDRESS: 31F CLARKS FALLS ROAD
NORTH STONINGTON, CT 06359
COUNTY: NEW LONDON
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON 5G L-SUB6 - CARRIER ADD

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	OSCAWANA LAKE / JONES/ SSUSA
SITE ADDRESS:	31F CLARKS FALLS ROAD NORTH STONINGTON, CT 06359
COUNTY:	NEW LONDON
MAP/PARCEL #:	89-6768
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.464789
LONGITUDE:	-71.826283
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	236'
CURRENT ZONING:	R80
JURISDICTION:	CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	JONES RAY G 31D CLARKS FALLS, NORTH STONINGTON, CT 06359
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	NOT PROVIDED NOT PROVIDED
TELCO PROVIDER:	NOT PROVIDED NOT PROVIDED

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S BOULDER AVE, SUITE 300 TULSA, OK 74119 JENNY PAUL (918) 587-4630
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065 N/A - PROJECT MANAGER N/A N/A - CONSTRUCTION MANAGER N/A
VERIZON CONTACT:	ANDREW LEONE ALEONE@STRUCTURECONSULTING.NET

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 22X34. 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	10068124
VzW LOCATION CODE (PSLC)	467659

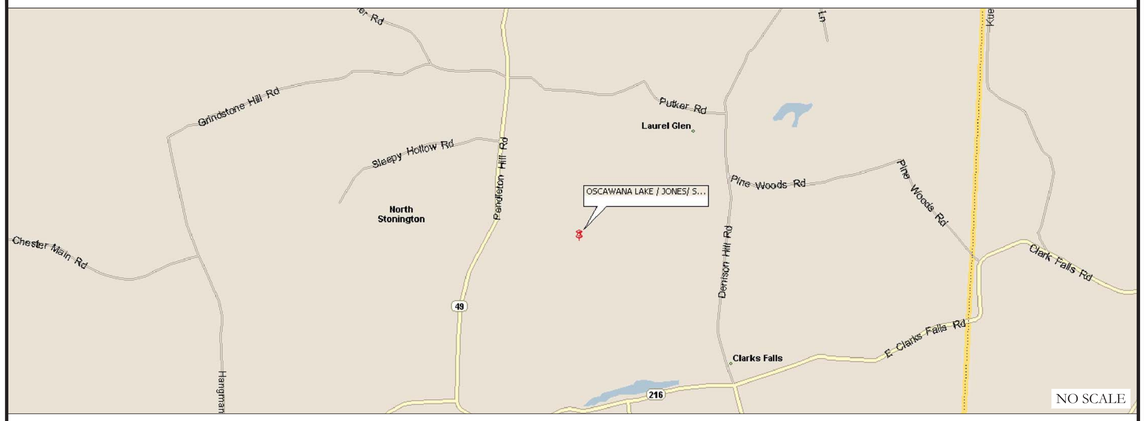
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	**Y**

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DEPARTING FROM GROTON - NEW LONDON AIRPORT:
DEPART 155 TOWER AVE, GROTON, CT 06340, ROAD NAME CHANGES TO SOUTH RD, TURN RIGHT ONTO US-1, TURN LEFT ONTO CT-117, KEEP STRAIGHT ONTO CT-117, TAKE RAMP ONTO I-95, I-95 N / PROVIDENCE, AT EXIT 92, TURN RIGHT ONTO RAMP, CT-2 / CT-49 / NO. STONINGTON / PAWCATUCK, TURN LEFT ONTO CT-2, AT ROUNDABOUT, TAKE THE FIRST EXIT ONTO CT-184, TURN LEFT ONTO CT-49, TURN LEFT TO STAY ON CT-49, KEEP STRAIGHT TO STAY ON CT-49 TURN RIGHT ONTO LOCAL ROAD(S), ARRIVE 41.46479°N 71.82628°W

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	2015 IBC
MECHANICAL	2015 IMC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	B+T GROUP
DATED:	4/29/21
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	8/3/21
RFDS REVISION:	N/A
DATED:	2/18/21
ORDER ID:	552676
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 (9) ANTENNAS
- RELOCATE (3) ANTENNAS
- REMOVE (6) RRHs
- REMOVE (2) PENDANTS
- REMOVE (2) 6X12 HYBRID CABLES
- INSTALL (9) ANTENNAS
- INSTALL (1) SUPPORT RAIL KIT
- INSTALL (3) MOUNTS
- INSTALL (6) RRHs
- INSTALL (1) PENDANT
- INSTALL (2) 6X12 HYBRID CABLES

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
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

B+T GRP
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.btgrp.com

VERIZON SITE NUMBER:
467659

BU #: **876374**
OSCAWANA LAKE / JONES/ SSUSA

31F CLARKS FALLS ROAD
NORTH STONINGTON, CT 06359

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/27/21	DLS	PRELIMINARY REVIEW	MAS
0	10/1/21	TDG	CONSTRUCTION	TDG

STATE OF CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
10/1/21

B&T ENGINEERING, INC.

SHEET NUMBER: T-1
REVISION: 0

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
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CROWN CASTLE
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VERIZON SITE NUMBER:
467659

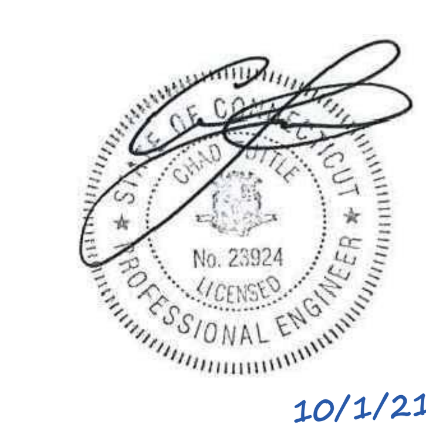
BU #: **876374**
OSCAWANA LAKE / JONES/ SSUSA

31F CLARKS FALLS ROAD
NORTH STONINGTON, CT
06359

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

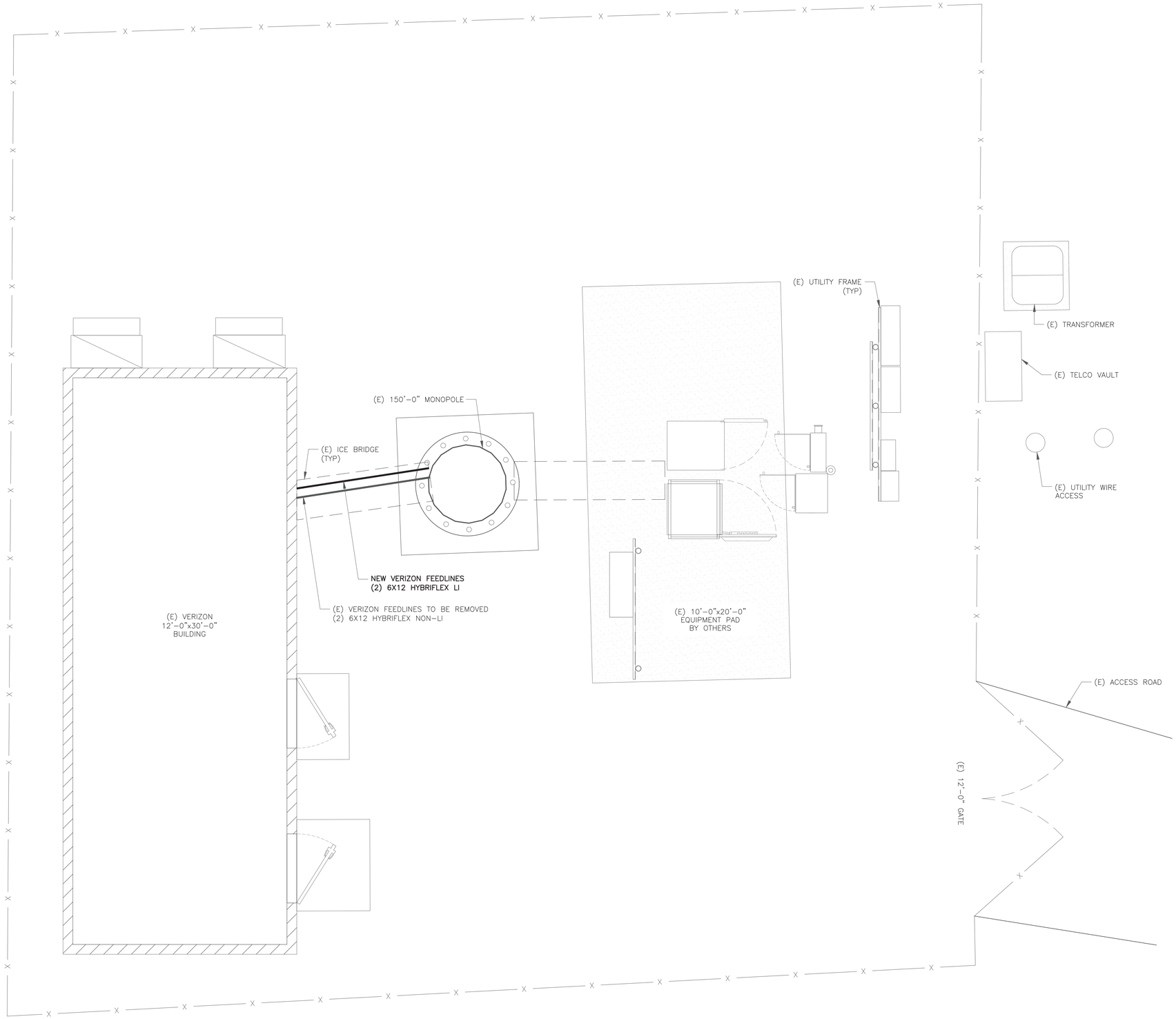
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/27/21	DLS	PRELIMINARY REVIEW	MAS
0	10/1/21	TDG	CONSTRUCTION	TDG



B&T ENGINEERING, INC.

SHEET NUMBER: T-2

REVISION: 0



1 SITE PLAN

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

N

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180 WASHINGTON VALLEY ROAD
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BU #: **876374**
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31F CLARKS FALLS ROAD
NORTH STONINGTON, CT
06359

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/27/21	DLS	PRELIMINARY REVIEW	MAS
0	10/1/21	TDG	CONSTRUCTION	TDG

STATE OF CONNECTICUT
No. 23924
LICENSED PROFESSIONAL ENGINEER

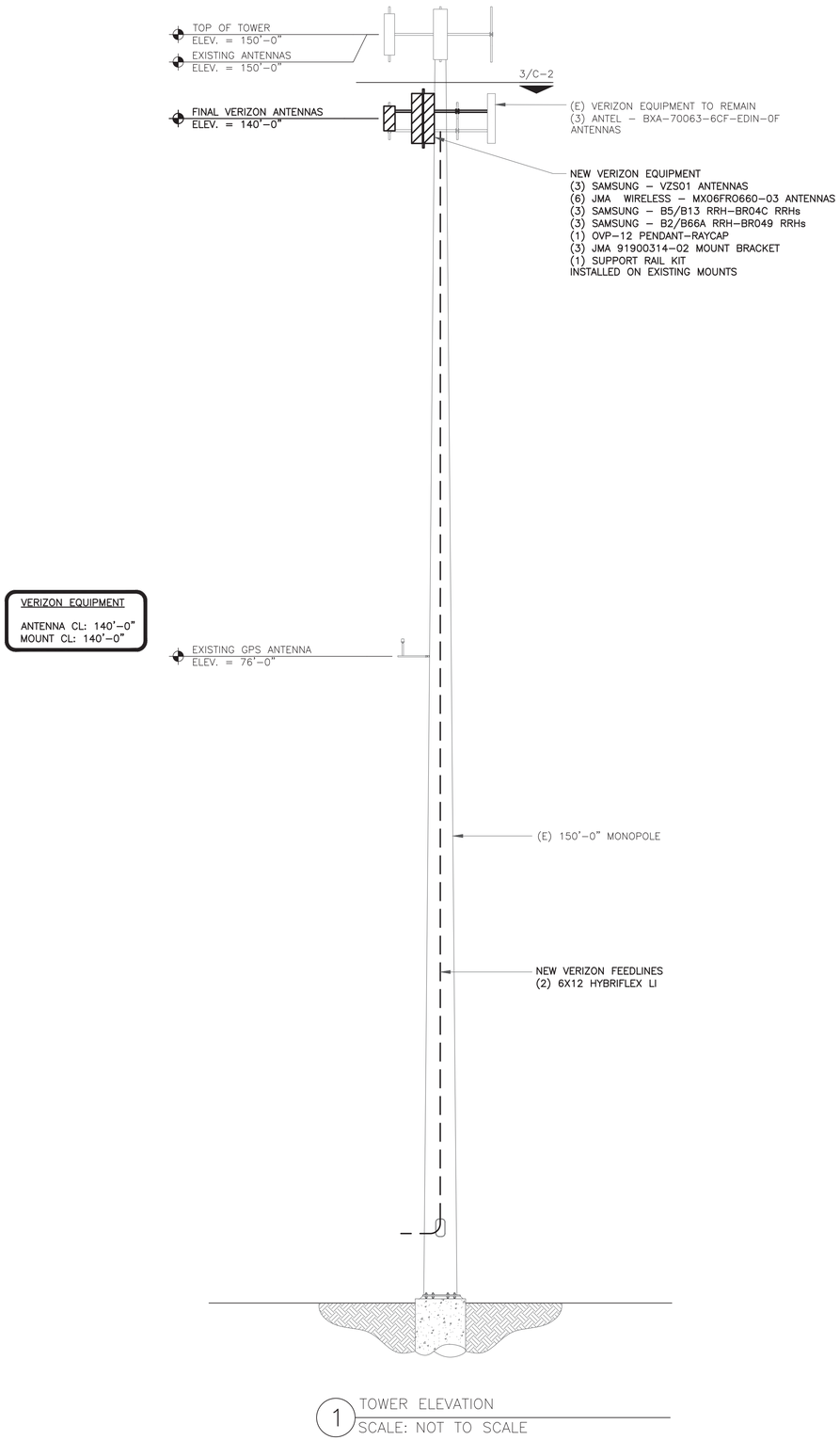
10/1/21

B&T ENGINEERING, INC.

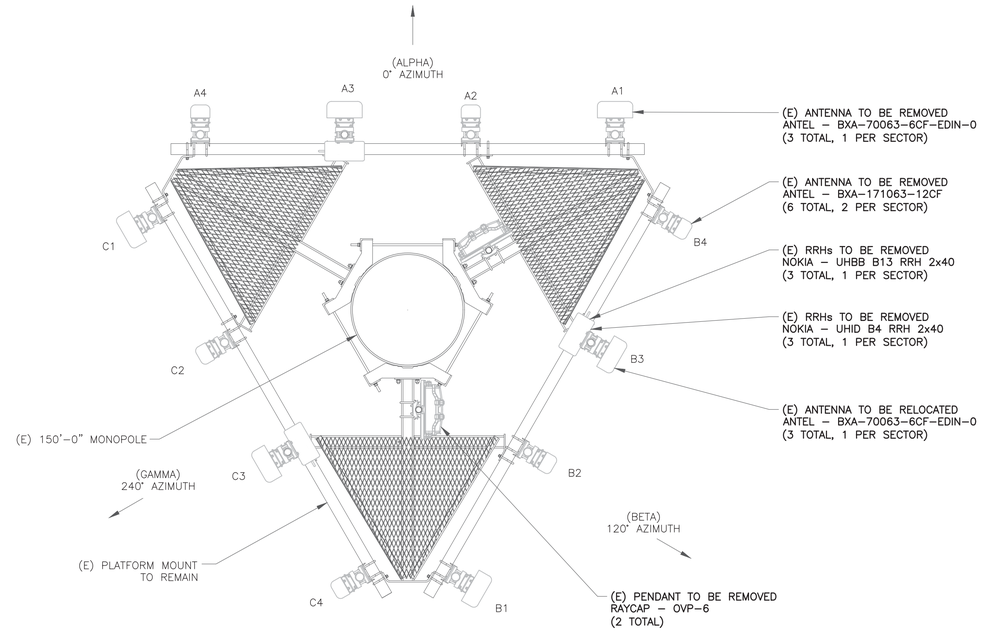
SHEET NUMBER: C-1

REVISION: 0

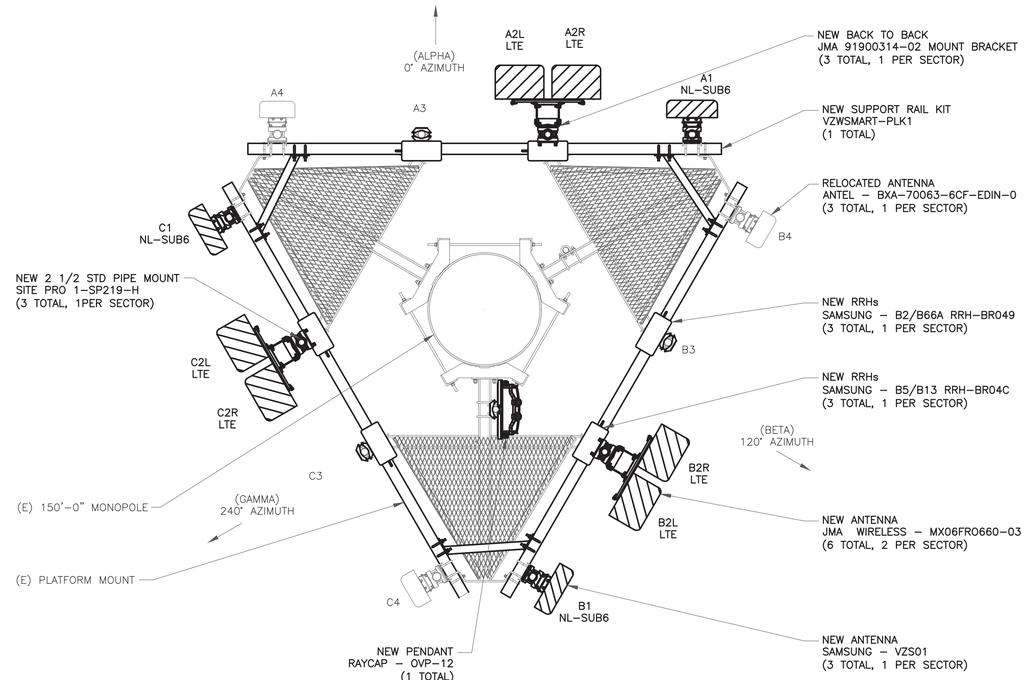
147463.005.01_OSCAWANA LAKE – JONES – SSUSA.dwg – Sheet:C-1 – User: tim.grove – Oct 01, 2021 – 1:44pm



1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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SHEET NUMBER: C-2

REVISION: 0

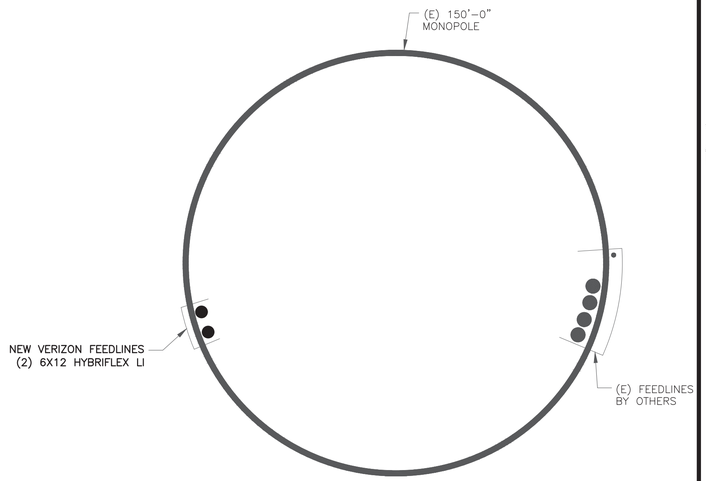
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	NEW	SAMSUNG	VZS01	140'-0"	0°	0°	6°	–	–
A2L	NEW	JMA WIRELESS	MX06FRO660-03	140'-0"	0°	0°	2°/2°/2°/2°	SAMSUNG	(1) B5/B13 RRH-BR04C
A2R	NEW	JMA WIRELESS	MX06FRO660-03	140'-0"	0°	0°	2°/2°/2°/2°	–	–
A3	–	–	–	–	–	–	–	SAMSUNG	(1) B2/B66A RRH-BR049
A4	EXISTING	ANTEL	BXA-70063-6CF-EDIN-0	140'-0"	0°	–	–	RAYCAP	(1) RVZDC-6627-PF-48
B1	NEW	SAMSUNG	VZS01	140'-0"	120°	0°	6°	–	–
B2L	NEW	JMA WIRELESS	MX06FRO660-03	140'-0"	120°	0°	6°/6°/2°/2°	SAMSUNG	(1) B5/B13 RRH-BR04C
B2R	NEW	JMA WIRELESS	MX06FRO660-03	140'-0"	120°	0°	6°/6°/2°/2°	–	–
B3	–	–	–	–	–	–	–	SAMSUNG	(1) B2/B66A RRH-BR049
B4	EXISTING	ANTEL	BXA-70063-6CF-EDIN-0	140'-0"	120°	–	–	–	–
C1	NEW	SAMSUNG	VZS01	140'-0"	240°	0°	6°	–	–
C2L	NEW	JMA WIRELESS	MX06FRO660-03	140'-0"	240°	0°	4°/4°/2°/2°	SAMSUNG	(1) B5/B13 RRH-BR04C
C2R	NEW	JMA WIRELESS	MX06FRO660-03	140'-0"	240°	0°	4°/4°/2°/2°	–	–
C3	–	–	–	–	–	–	–	SAMSUNG	(1) B2/B66A RRH-BR049
C4	EXISTING	ANTEL	BXA-70063-6CF-EDIN-0	140'-0"	240°	–	–	–	–

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
NEW	HYBRID	1-1/4"	190'-0"±	2
TOTAL CABLE QTY:				2



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

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SHEET NUMBER: C-3

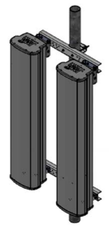
REVISION: 0

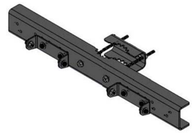
Product Specifications
91900314
Dual-mount antenna bracket

JMA WIRELESS

Dual-mount antenna bracket

- Enables optimal spacing for low-band *4T4R* beamforming by allowing for two of the same antenna on one bracket
- Mechanical tilt in line with specified antenna
- Spacing either 2" or 12" (edge-to-edge) dependent on antenna model
- Compatible with MX, X7C*, C7C* antenna ranges
- Ease of field installation—able to use existing antenna mount brackets





Dual-mount bracket assembled

Brackets needed per antenna type

X7C* and C7C* models	**4'–6' antennas**	2 brackets needed
	7'–8' antennas	3 brackets needed
MX models	**4' antennas**	2 brackets needed
	6'–8' antennas	3 brackets needed

Spacing options between dual antennas

X7C* and C7C* models	2 of same antennas locked at 2" spacing
	Example: (2) X7CQAP-FRO-645-V can be locked at 2" of spacing
MX models	2 of same antennas locked at either 2" or 12" spacing
	Example: (2) MX08FRO660-02 can be locked at 2" or 12" spacing (see above image)

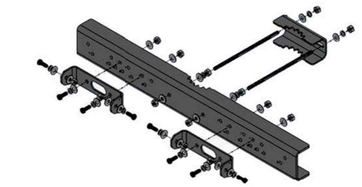
Mechanical specifications	
Net weight per bracket, lb (kg)	22.3 lb (10 kg) – does not include brackets included with antenna
Range of allowable mechanical up/down tilt	-2° to 14°
Rated wind survival speed, mph (km/h)	150 mph (241 km/h)
Material specification	.16" to .25" thick hot-dipped, galvanized steel

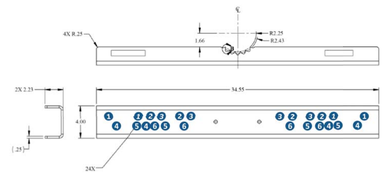
Ordering information	
Mounting bracket model	**Description**
91900314	Dual-mount antenna bracket assemby (single)
***Compatible antennas**	
4'–8' Quad-, Hex-, and Octo-Port macro antennas in the X7C; C7C; X7CAP; C7CAP; X7CQAP; MX ranges (check with customer service for exact fit)	
Installation instructions	
81900506	Installation instructions for dual-mourt bracket assembly (single)

1 JMA – 91900314–02 DUAL MOUNT DETAIL
SCALE: NOT TO SCALE

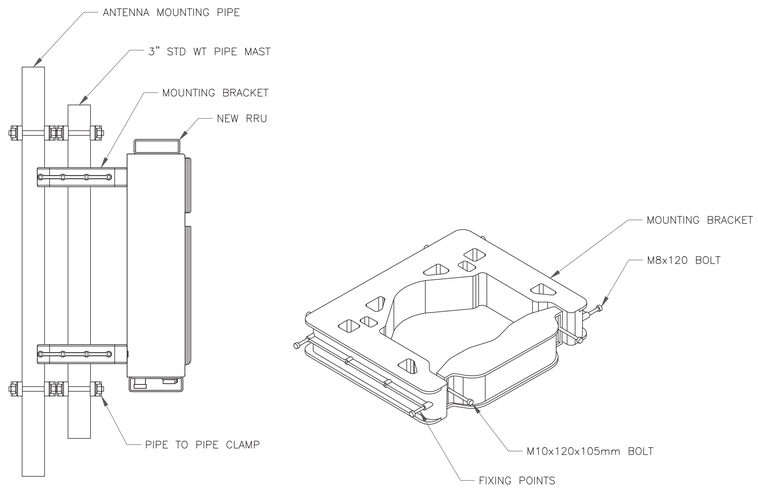
Product Specifications
91900314
Dual-mount antenna bracket

Dual-mount bracket assembly guide overview

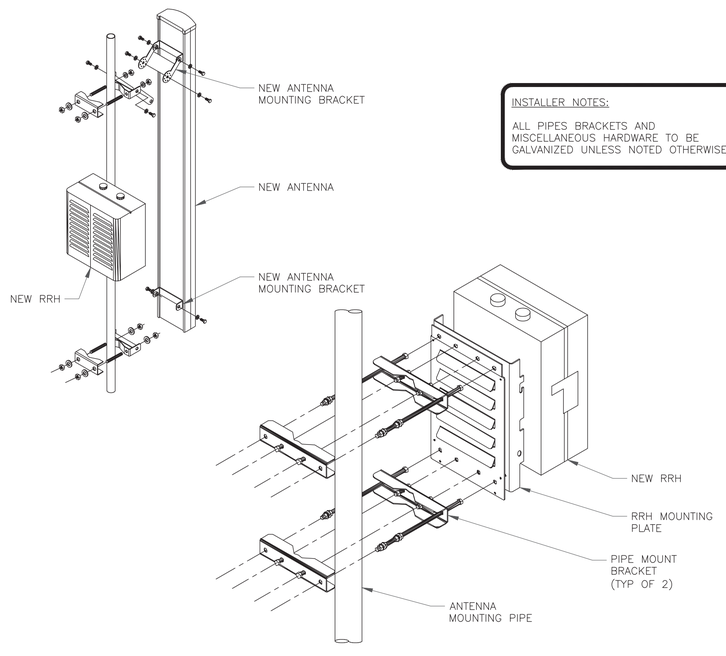




Model types beginning with:	Antenna width	Corresponding hole position	Resulting spacing between antennas
MX	15.4" (wide spacing)	1	12"
	15.4" (narrow spacing)	2	2"
	12"	3	2"
	20"	5	3/4"
X7C*, C7C*	12.5"	3	2"
	24.0"	4	2"
	18.8"	5	2"
	14.6"	6	2"



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



INSTALLER NOTES:

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

3 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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SHEET NUMBER: C-4

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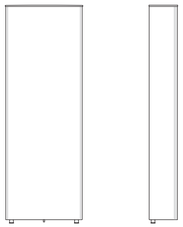
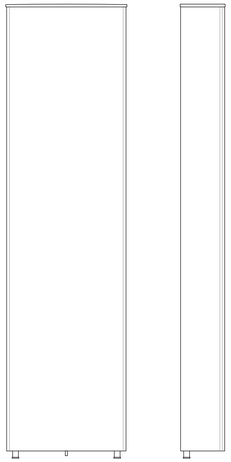


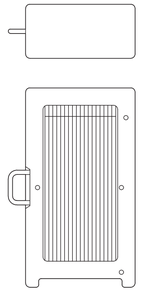
ANTENNA SPECS	
MANUFACTURER	VZW
MODEL #	SUB6 ANTENNA – VZS01
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.12"
WEIGHT	87.10 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



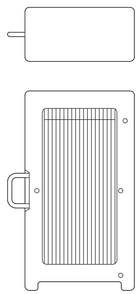
ANTENNA SPECS	
MANUFACTURER	JMA WIRELESS
MODEL #	MX06FRO660-03
WIDTH	15.40"
DEPTH	10.70"
HEIGHT	71.30"
WEIGHT	78.0 LBS

2 ANTENNA SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RFV01U-D2A
WIDTH	15.00"
DEPTH	8.10"
HEIGHT	15.00"
WEIGHT	70.30 LBS

3 RRU SPECIFICATIONS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RFV01U-D1A
WIDTH	15.00"
DEPTH	10.00"
HEIGHT	15.00"
WEIGHT	84.40 LBS

4 RRU SPECIFICATIONS
SCALE: NOT TO SCALE

PENDANT SPECS	
MANUFACTURER	RAYCAP
MODEL #	RVZDC-6627-PF-48
WIDTH	15.73"
DEPTH	10.31"
HEIGHT	28.93"
WEIGHT	32.0 LBS

5 PENDANT SPECS
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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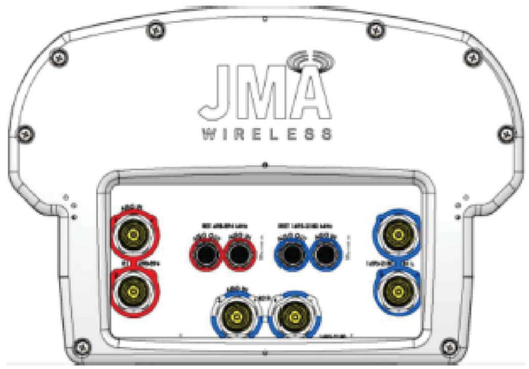
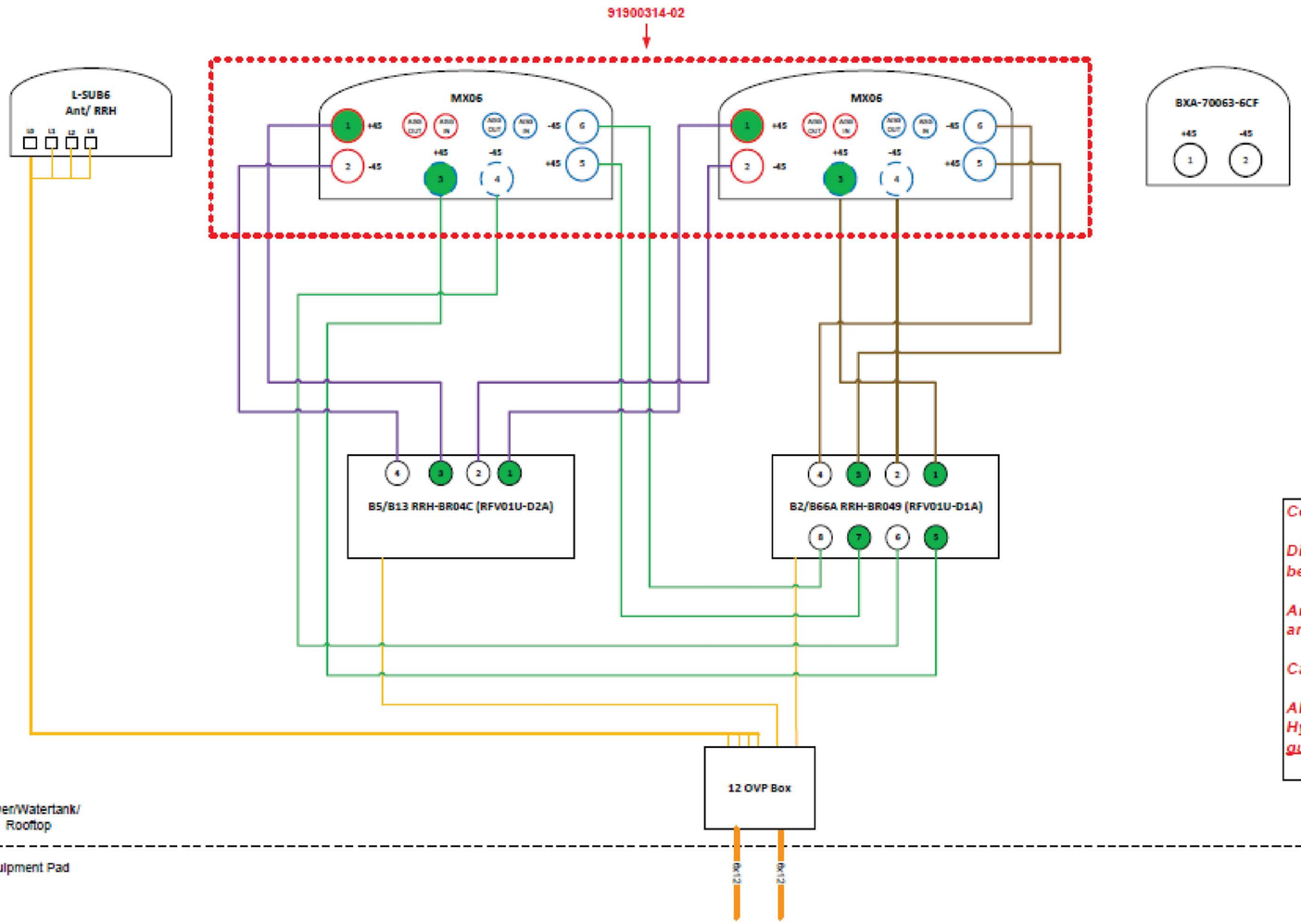
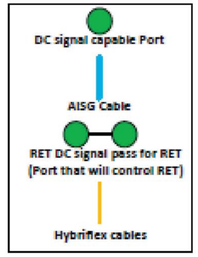
REVISION: 0



- 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 guide above)

1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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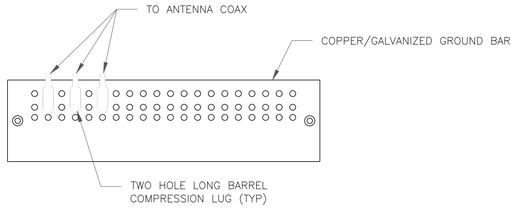
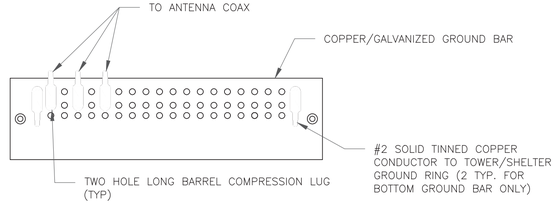


NOTES:

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.

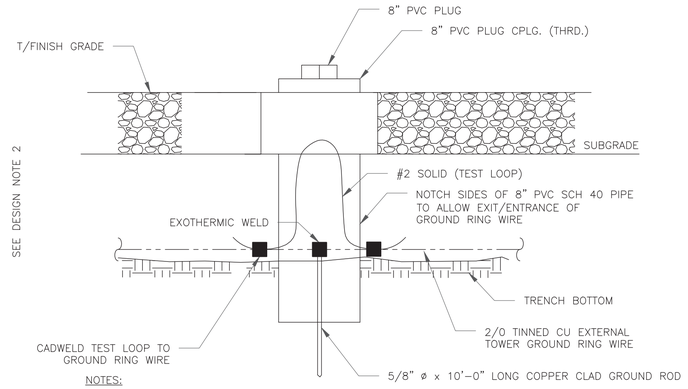
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



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.

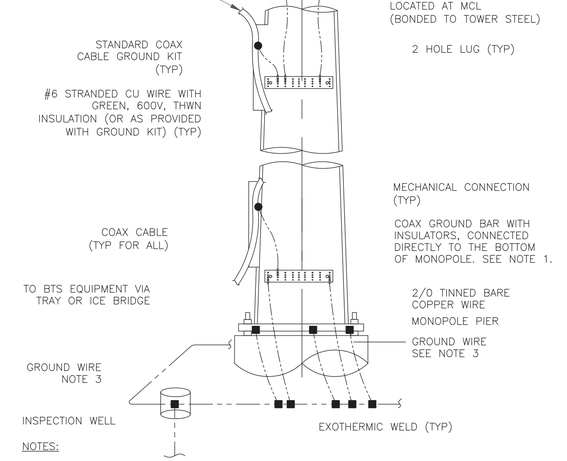
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



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)

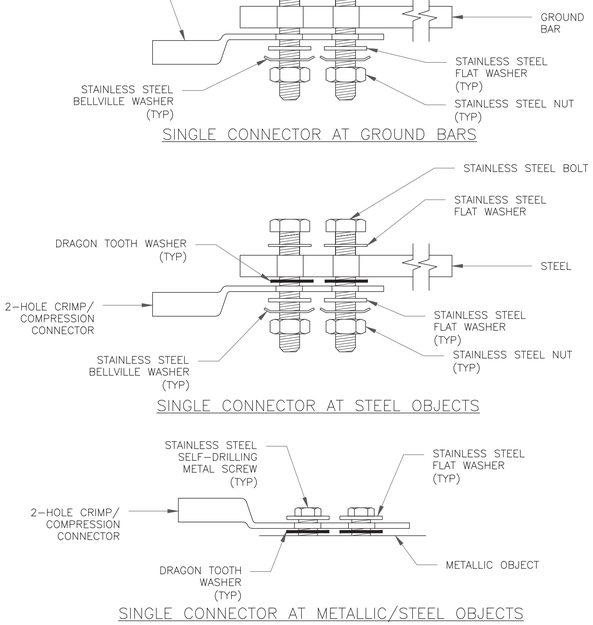
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



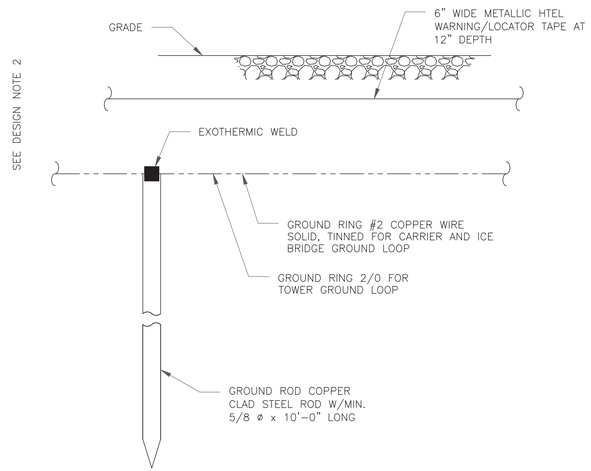
NOTES:

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:

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6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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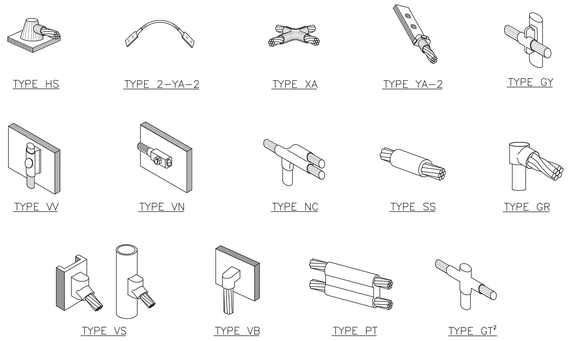
SHEET NUMBER: G-1
REVISION: 0

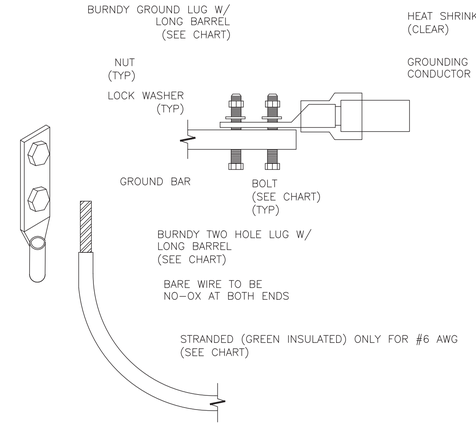


NOTE:

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

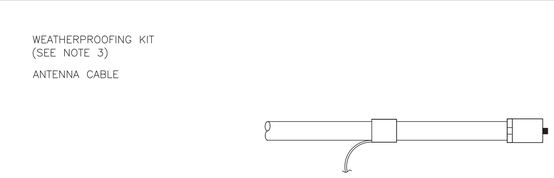
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



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.

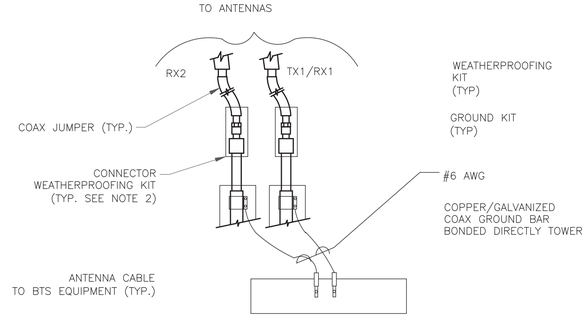
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



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.

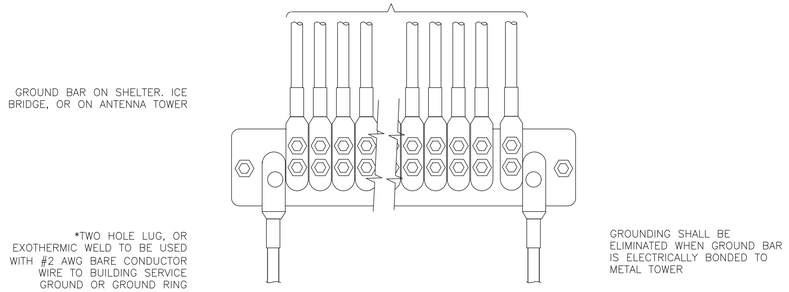
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



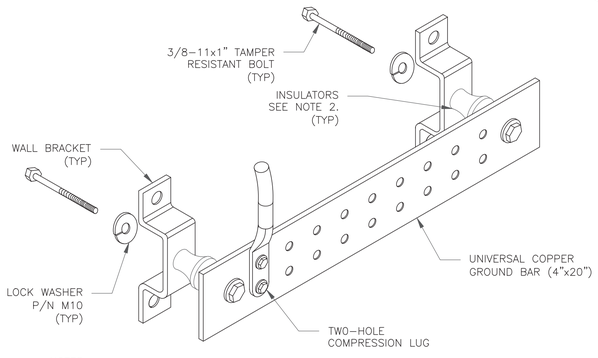
NOTES:

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



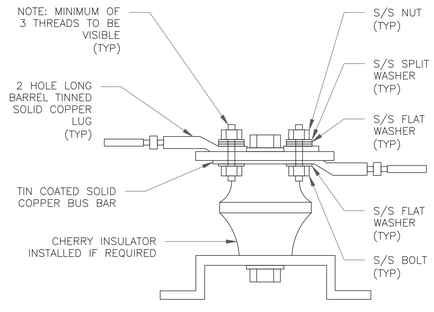
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



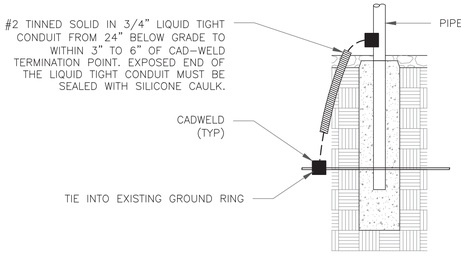
NOTES:

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
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

B+T GRP
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.btgrp.com

VERIZON SITE NUMBER:
467659

BU #: **876374**
OSCAWANA LAKE / JONES/ SSUSA

31F CLARKS FALLS ROAD
NORTH STONINGTON, CT
06359

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/27/21	DLS	PRELIMINARY REVIEW	MAS
0	10/1/21	TDG	CONSTRUCTION	TDG

B&T ENGINEERING, INC.

SHEET NUMBER: G-2
REVISION: 0

Exhibit D

Structural Analysis Report

Date: **April 29, 2021**

B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	467659
	Site Name:	North Stonington East CT
Crown Castle Designation:	**BU Number:**	876374
	Site Name:	Oscawana Lake / Jones/ Ssusa
	JDE Job Number:	644654
	Work Order Number:	1957719
	Order Number:	552676 Rev. 0
Engineering Firm Designation:	**B+T Group Project Number:**	147463.004.01
Site Data:	**31F Clarks Falls Road, North Stoningto, New London County, CT**	
	Latitude *41° 27' 53.24"*, Longitude *-71° 49' 34.62"*	
	150 Foot - Monopole Tower	

B+T Group is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

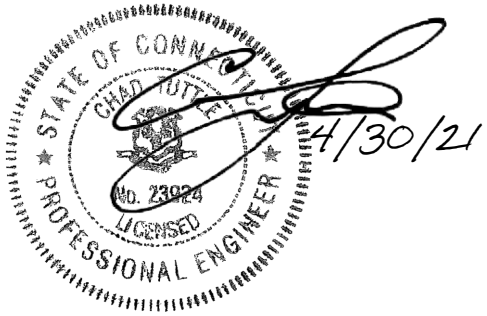
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity**

This analysis utilizes an ultimate 3-second gust wind speed of 135 mph as required by the 2012 International Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: John Landon

Respectfully submitted by: B+T Engineering, Inc.
COA: PEC.0001564 Expires: 10/02/2022



Chad E. Tuttle, P.E.

tnxTower Report - version 8.0.9.0

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 150 ft Monopole tower designed by Engineered Endeavors, Inc. The tower has been modified by Crown Castle in July of 2018. The modifications consists of base plate stiffeners.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	135 mph
Exposure Category:	C
Topographic Factor:	1
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)
140.0	140.0	3	Antel	BXA-70063-6CF-EDIN-0	2	1-1/4
		6	JMA Wireless	MX06FRO660-03		
		1	Raycap	RVZDC-6627-PF-48		
		3	Samsung Telecom.	RFV01U-D1A		
		3	Samsung Telecom.	RFV01U-D2A		
		3	VZW	Sub6 Antenna - VZS01		
		1	--	Platform Mount [LP 304-1]		

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)
150.0	152.0	3	Ericsson	AIR6449 B41_T-MOBILE	4	1-5/8
		3	Ericsson	Radio 4415 B66A		
		3	Ericsson	Radio 4424 B25_TMO		
		3	Ericsson	Radio 4449 B71 B85A_T-Mobile		
		3	RFS Celwave	APX16DWV-16DWV-S-E-A20		
		3	RFS Celwave	APXVAALL24_43-U-NA20_TMO		
	150.0	1	SitePro 1	HRK14 Handrail Kit		
		1	--	Platform Mount [LP 1202-1]		
76.0	76.0	1		Side Arm Mount [SO 702-1]	1	1/2
		1	Spectracom	8225		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	1574211	CCI Sites
Tower Modification Drawing	7694966	CCI Sites
Post Modification Inspection	8048082	CCI Sites
Foundation Drawing	7615022	CCI Sites
Geotech Report	2158036	CCI Sites
Crown CAD Package	Date: 04/20/2021	CCI Sites

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. B+T Group 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)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	150 - 123.17	Pole	TP21.15x15x0.188	1	-8.607	739.759	77.7	Pass
L2	123.17 - 84.877	Pole	TP29.42x20.049x0.25	2	-12.856	1374.943	93.9	Pass
L3	84.877 - 43.587	Pole	TP38.26x27.959x0.313	3	-19.873	2238.495	84.8	Pass
L4	43.587 - 0	Pole	TP47.5x36.429x0.313	4	-30.884	2874.942	95.6	Pass
							Summary	
						Pole (L4)	95.6	Pass
						Rating =	95.6	Pass

Table 5 - Tower Component Stresses vs. Capacity

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	Base	79.3	Pass
1	Base Plate	Base	72.7	Pass
1	Base Foundation (Structure)	Base	65.6	Pass
1	Base Foundation (Soil Interaction)	Base	88.1	Pass

Structure Rating (max from all components) =	95.6%

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

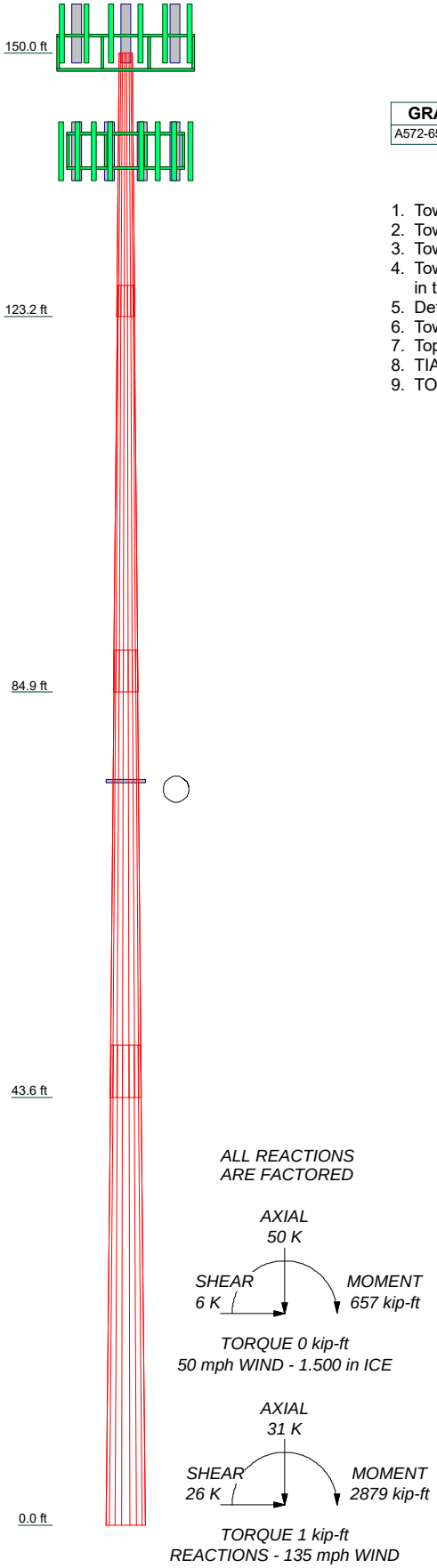
4.1) Recommendations

The tower and its foundations 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	26.830	18	0.188	3.167	15.000	21.150	A572-65	1.0
2	41.460	18	0.250	4.250	20.049	29.420		2.7
3	45.540	18	0.313	5.333	27.959	38.260		5.0
4	48.920	18	0.313		36.429	47.500		6.9
								15.6



MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in New London County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 135 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 0.000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 95.6%

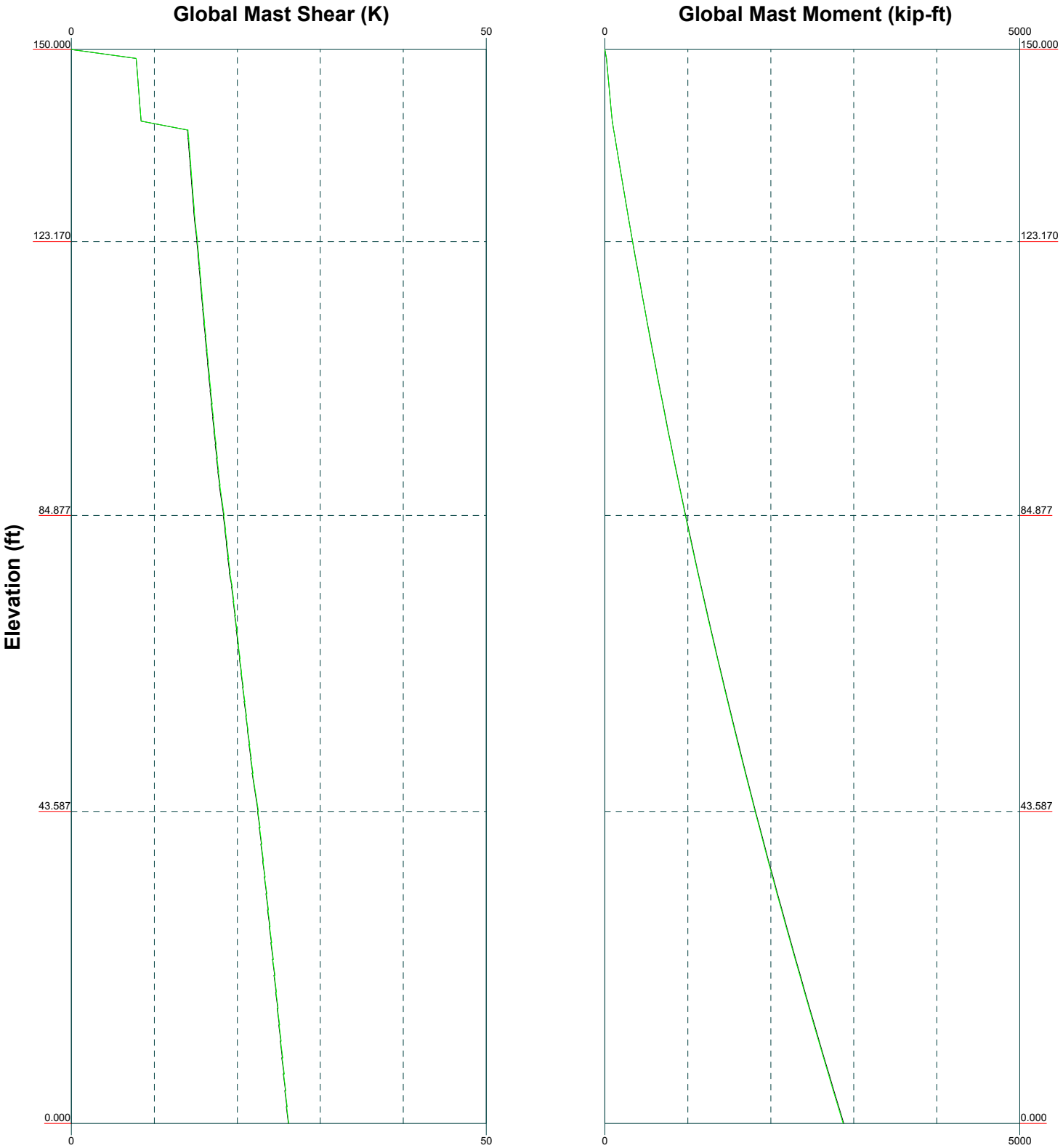
B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: 147463.004.01 - OSCAWANA LAKE/JONES/SSUSA, CT (BU# 87637		
Project:		
Client: Crown Castle	Drawn by: Pavan Upadhya	App'd:
Code: TIA-222-H	Date: 04/28/21	Scale: NTS
Path:		Dwg No. E-1

TIA-222-H - 135 mph/50 mph 1.500 in Ice Exposure C

Maximum Values

Vx Vz Mx Mz



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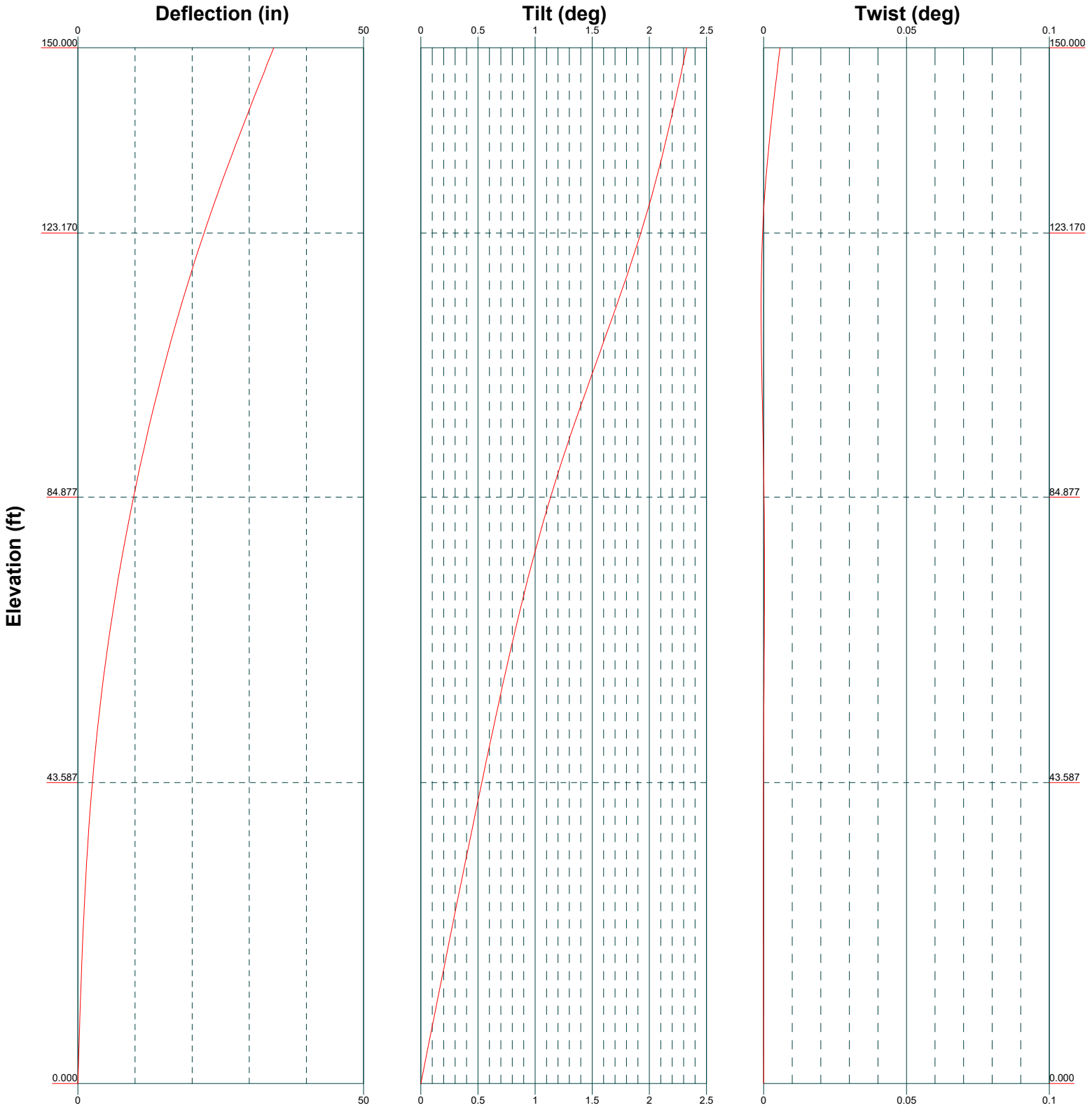
Project:		
Client: Crown Castle	Drawn by: Pavan Upadhya	App'd:
Code: TIA-222-H	Date: 04/28/21	Scale: NTS
Path:		Dwg No. E-4

TIA-222-H - Service - 60 mph

Maximum Values



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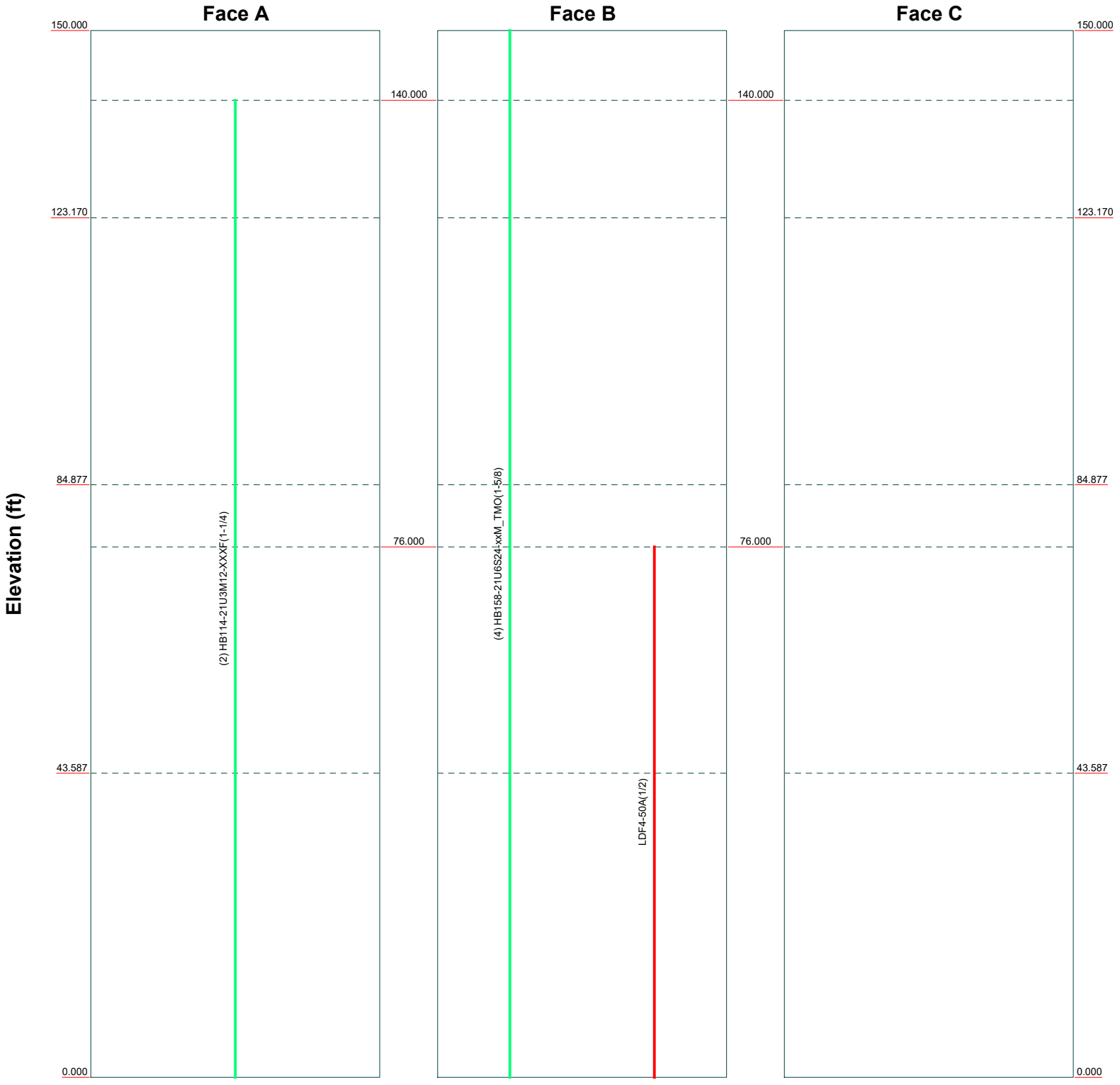
Job: 147463.004.01 - OSCAWANA LAKE/JONES/SSUSA, CT (BU# 87637		
Project:		
Client: Crown Castle	Drawn by: Pavan Upadhya	App'd:
Code: TIA-222-H	Date: 04/28/21	Scale: NTS
Path:		Dwg No. E-5

Feed Line Distribution Chart
0' - 150'

Round | Flat | App In Face | App Out Face | Truss Leg



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Job: 147463.004.01 - OSCAWANA LAKE/JONES/SSUSA, CT (BU# 87637		
Project:		
Client: Crown Castle	Drawn by: Pavan Upadhya	App'd:
Code: TIA-222-H	Date: 04/28/21	Scale: NTS
Path:		Dwg No. E-7

B+T Group
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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 London County, Connecticut.
Tower base elevation above sea level: 234.000 ft.
Basic wind speed of 135 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.000 ft.
Nominal ice thickness of 1.500 in.
Ice thickness is considered to increase with height.
Ice density of 56.000 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50.000 °F.
Deflections calculated using a wind speed of 60 mph.
TIA-222-H Annex S.
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	150.000-123.170	26.830	3.167	18	15.000	21.150	0.188	0.750	A572-65 (65 ksi)
L2	123.170-84.877	41.460	4.250	18	20.049	29.420	0.250	1.000	A572-65 (65 ksi)
L3	84.877-43.587	45.540	5.333	18	27.959	38.260	0.313	1.250	A572-65 (65 ksi)
L4	43.587-0.000	48.920		18	36.429	47.500	0.313	1.250	A572-65 (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	15.202	8.815	244.360	5.258	7.620	32.068	489.042	4.408	2.310	12.32
	21.447	12.475	692.588	7.442	10.744	64.462	1386.087	6.239	3.392	18.093
L2	21.047	15.711	778.069	7.029	10.185	76.394	1557.161	7.857	3.089	12.355
	29.835	23.146	2488.248	10.355	14.945	166.490	4979.770	11.575	4.738	18.952
L3	29.319	27.422	2648.096	9.815	14.203	186.441	5299.676	13.714	4.371	13.987
	38.802	37.639	6847.687	13.471	19.436	352.318	13704.384	18.823	6.184	19.788
L4	38.168	35.823	5903.396	12.821	18.506	319.003	11814.561	17.915	5.861	18.757
	48.185	46.804	13166.650	16.752	24.130	545.655	26350.626	23.406	7.810	24.992

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 150.000-123.170				1	1	1			
L2 123.170-84.877				1	1	1			
L3 84.877-43.587				1	1	1			
L4 43.587-0.000				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
* LDF4-50A(1/2) * *	B	No	Surface Ar (CaAa)	76.000 - 0.000	1	1	0.250 0.270	0.630		0.000

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 klf
HB158-21U6S24-xx M_TMO(1-5/8)	B	No	No	Inside Pole	150.000 - 0.000	4	No Ice	0.000	0.003
							1/2" Ice	0.000	0.003
							1" Ice	0.000	0.003
							2" Ice	0.000	0.003
*									
HB114-21U3M12-X XXF(1-1/4)	A	No	No	Inside Pole	140.000 - 0.000	2	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
*									

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	150.000-123.170	A	0.000	0.000	0.000	0.000	0.041
		B	0.000	0.000	0.000	0.000	0.268
		C	0.000	0.000	0.000	0.000	0.000
L2	123.170-84.877	A	0.000	0.000	0.000	0.000	0.093
		B	0.000	0.000	0.000	0.000	0.383
		C	0.000	0.000	0.000	0.000	0.000
L3	84.877-43.587	A	0.000	0.000	0.000	0.000	0.101
		B	0.000	0.000	2.042	0.000	0.418
		C	0.000	0.000	0.000	0.000	0.000
L4	43.587-0.000	A	0.000	0.000	0.000	0.000	0.106
		B	0.000	0.000	2.746	0.000	0.442
		C	0.000	0.000	0.000	0.000	0.000

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	150.000-123.170	A	1.469	0.000	0.000	0.000	0.000	0.041
		B		0.000	0.000	0.000	0.000	0.268
		C		0.000	0.000	0.000	0.000	0.000
L2	123.170-84.877	A	1.429	0.000	0.000	0.000	0.000	0.093
		B		0.000	0.000	0.000	0.000	0.383
		C		0.000	0.000	0.000	0.000	0.000
L3	84.877-43.587	A	1.362	0.000	0.000	0.000	0.000	0.101
		B		0.000	0.000	11.305	0.000	0.534
		C		0.000	0.000	0.000	0.000	0.000
L4	43.587-0.000	A	1.223	0.000	0.000	0.000	0.000	0.106
		B		0.000	0.000	14.615	0.000	0.587
		C		0.000	0.000	0.000	0.000	0.000

Feed Line Center of Pressure

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L1	150.000-123.170	0.000	0.000	0.000	0.000
L2	123.170-84.877	0.000	0.000	0.000	0.000
L3	84.877-43.587	0.410	0.009	1.220	0.026
L4	43.587-0.000	0.506	0.011	1.478	0.031

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L3	7	LDF4-50A(1/2)	43.59 - 76.00	1.0000	1.0000
L4	7	LDF4-50A(1/2)	0.00 - 43.59	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	6.290 6.860 7.450 8.680	2.760 3.270 3.790 4.900	0.061 0.105 0.157 0.290
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	6.290 6.860 7.450 8.680	2.760 3.270 3.790 4.900	0.061 0.105 0.157 0.290
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	6.290 6.860 7.450 8.680	2.760 3.270 3.790 4.900	0.061 0.105 0.157 0.290
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	14.690 15.460 16.230 17.820	6.870 7.550 8.250 9.670	0.183 0.311 0.453 0.782
APXVAALL24_43-U-NA20	B	From Leg	4.000	0.000	150.000	No Ice	14.690	6.870	0.183

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
_TMO w/ Mount Pipe			0.000			1/2" Ice	15.460	7.550	0.311
			2.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782
APXVAALL24_43-U-NA20	C	From Leg	4.000	0.000	150.000	No Ice	14.690	6.870	0.183
_TMO w/ Mount Pipe			0.000			1/2" Ice	15.460	7.550	0.311
			2.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782
AIR6449 B41_T-MOBILE	A	From Leg	4.000	0.000	150.000	No Ice	5.190	2.710	0.128
w/ Mount Pipe			0.000			1/2" Ice	5.590	3.040	0.174
			2.000			1" Ice	6.020	3.380	0.227
						2" Ice	6.900	4.120	0.354
AIR6449 B41_T-MOBILE	B	From Leg	4.000	0.000	150.000	No Ice	5.190	2.710	0.128
w/ Mount Pipe			0.000			1/2" Ice	5.590	3.040	0.174
			2.000			1" Ice	6.020	3.380	0.227
						2" Ice	6.900	4.120	0.354
AIR6449 B41_T-MOBILE	C	From Leg	4.000	0.000	150.000	No Ice	5.190	2.710	0.128
w/ Mount Pipe			0.000			1/2" Ice	5.590	3.040	0.174
			2.000			1" Ice	6.020	3.380	0.227
						2" Ice	6.900	4.120	0.354
RADIO 4415 B66A	A	From Leg	4.000	0.000	150.000	No Ice	1.856	0.870	0.050
			0.000			1/2" Ice	2.027	0.997	0.064
			2.000			1" Ice	2.204	1.134	0.081
						2" Ice	2.582	1.432	0.124
RADIO 4415 B66A	B	From Leg	4.000	0.000	150.000	No Ice	1.856	0.870	0.050
			0.000			1/2" Ice	2.027	0.997	0.064
			2.000			1" Ice	2.204	1.134	0.081
						2" Ice	2.582	1.432	0.124
RADIO 4415 B66A	C	From Leg	4.000	0.000	150.000	No Ice	1.856	0.870	0.050
			0.000			1/2" Ice	2.027	0.997	0.064
			2.000			1" Ice	2.204	1.134	0.081
						2" Ice	2.582	1.432	0.124
RADIO 4424 B25_TMO	A	From Leg	4.000	0.000	150.000	No Ice	2.052	1.610	0.086
			0.000			1/2" Ice	2.231	1.772	0.107
			2.000			1" Ice	2.417	1.941	0.131
						2" Ice	2.811	2.301	0.188
RADIO 4424 B25_TMO	B	From Leg	4.000	0.000	150.000	No Ice	2.052	1.610	0.086
			0.000			1/2" Ice	2.231	1.772	0.107
			2.000			1" Ice	2.417	1.941	0.131
						2" Ice	2.811	2.301	0.188
RADIO 4424 B25_TMO	C	From Leg	4.000	0.000	150.000	No Ice	2.052	1.610	0.086
			0.000			1/2" Ice	2.231	1.772	0.107
			2.000			1" Ice	2.417	1.941	0.131
						2" Ice	2.811	2.301	0.188
RADIO 4449 B71	A	From Leg	4.000	0.000	150.000	No Ice	1.970	1.587	0.073
B85A_T-MOBILE			0.000			1/2" Ice	2.147	1.749	0.093
			2.000			1" Ice	2.331	1.918	0.116
						2" Ice	2.721	2.280	0.170
RADIO 4449 B71	B	From Leg	4.000	0.000	150.000	No Ice	1.970	1.587	0.073
B85A_T-MOBILE			0.000			1/2" Ice	2.147	1.749	0.093
			2.000			1" Ice	2.331	1.918	0.116
						2" Ice	2.721	2.280	0.170
RADIO 4449 B71	C	From Leg	4.000	0.000	150.000	No Ice	1.970	1.587	0.073
B85A_T-MOBILE			0.000			1/2" Ice	2.147	1.749	0.093
			2.000			1" Ice	2.331	1.918	0.116
						2" Ice	2.721	2.280	0.170
Platform Mount [LP	C	None		0.000	150.000	No Ice	29.240	29.240	3.704
1202-1_HR-1]						1/2" Ice	35.360	35.360	4.488

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
						1" Ice	41.260	41.260	5.380
						2" Ice	52.600	52.600	7.494
*									
BXA-70063-6CF-EDIN-0 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.400 8.140 8.900 10.460	5.390 6.100 6.830 8.340	0.042 0.097 0.162 0.326
BXA-70063-6CF-EDIN-0 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.400 8.140 8.900 10.460	5.390 6.100 6.830 8.340	0.042 0.097 0.162 0.326
BXA-70063-6CF-EDIN-0 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.400 8.140 8.900 10.460	5.390 6.100 6.830 8.340	0.042 0.097 0.162 0.326
(2) MX06FRO660-03 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	6.540 7.060 7.600 8.700	5.550 6.050 6.570 7.650	0.103 0.185 0.277 0.496
(2) MX06FRO660-03 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	6.540 7.060 7.600 8.700	5.550 6.050 6.570 7.650	0.103 0.185 0.277 0.496
(2) MX06FRO660-03 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	6.540 7.060 7.600 8.700	5.550 6.050 6.570 7.650	0.103 0.185 0.277 0.496
Sub6 Antenna - VZS01 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.915 5.264 5.623 6.371	2.687 3.151 3.631 4.639	0.101 0.141 0.186 0.294
Sub6 Antenna - VZS01 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.915 5.264 5.623 6.371	2.687 3.151 3.631 4.639	0.101 0.141 0.186 0.294
Sub6 Antenna - VZS01 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.915 5.264 5.623 6.371	2.687 3.151 3.631 4.639	0.101 0.141 0.186 0.294
RVZDC-6627-PF-48	A	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.792 4.044 4.303 4.844	2.514 2.727 2.947 3.417	0.032 0.063 0.099 0.181
RFV01U-D1A	A	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.250 1.393 1.543 1.865	0.084 0.103 0.124 0.175
RFV01U-D1A	B	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.250 1.393 1.543 1.865	0.084 0.103 0.124 0.175
RFV01U-D1A	C	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.250 1.393 1.543 1.865	0.084 0.103 0.124 0.175
RFV01U-D2A	A	From Leg	4.000 0.000	0.000	140.000	No Ice 1/2" Ice	1.875 2.045	1.013 1.145	0.070 0.087

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
			0.000			1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153
RFV01U-D2A	B	From Leg	4.000	0.000	140.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			0.000			1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153
RFV01U-D2A	C	From Leg	4.000	0.000	140.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			0.000			1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153
6' x 2" Mount Pipe	A	From Leg	1.000	0.000	140.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
Platform Mount [LP 303-1]	C	None		0.000	140.000	No Ice	14.690	14.690	1.250
						1/2" Ice	18.010	18.010	1.569
						1" Ice	21.340	21.340	1.942
						2" Ice	28.080	28.080	2.852
*									
8225	A	From Leg	4.000	0.000	76.000	No Ice	0.894	0.894	0.001
			0.000			1/2" Ice	1.060	1.060	0.009
			0.000			1" Ice	1.230	1.230	0.018
						2" Ice	1.590	1.590	0.046
Side Arm Mount [SO 702-1]	A	From Leg	1.500	0.000	76.000	No Ice	0.310	0.745	0.014
			0.000			1/2" Ice	0.370	1.035	0.021
			0.000			1" Ice	0.445	1.325	0.029
						2" Ice	0.595	1.905	0.045
*									

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
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

Comb. No.	Description
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 - 123.17	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-21.926	-0.005	0.932
			Max. Mx	8	-8.630	-286.239	0.152
			Max. My	2	-8.607	-0.000	287.447
			Max. Vy	8	14.844	-286.239	0.152
			Max. Vx	2	-14.913	-0.000	287.447
			Max. Torque	8			0.738
L2	123.17 - 84.877	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-27.383	-0.014	1.067
			Max. Mx	8	-12.871	-893.546	0.225
			Max. My	2	-12.856	-0.000	897.320
			Max. Vy	8	17.865	-893.546	0.225
			Max. Vx	2	-17.934	-0.000	897.320
			Max. Torque	8			0.733
L3	84.877 - 43.587	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-36.355	-0.149	1.404
			Max. Mx	8	-19.879	-1692.190	0.282
			Max. My	2	-19.873	-0.007	1698.108
			Max. Vy	8	21.848	-1692.190	0.282

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vx	2	-21.892	-0.007	1698.108
			Max. Torque	20			-1.087
L4	43.587 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-49.861	-0.406	1.552
			Max. Mx	8	-30.884	-2871.165	0.293
			Max. My	2	-30.884	-0.020	2879.130
			Max. Vy	8	26.156	-2871.165	0.293
			Max. Vx	2	-26.196	-0.020	2879.130
			Max. Torque	20			-1.079

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	27	49.861	-0.000	5.760
	Max. H_x	20	30.917	26.117	0.000
	Max. H_z	2	30.917	0.000	26.157
	Max. M_x	2	2879.130	0.000	26.157
	Max. M_z	8	2871.165	-26.117	0.000
	Max. Torsion	8	1.076	-26.117	0.000
	Min. Vert	5	23.187	-13.058	22.652
	Min. H_x	8	30.917	-26.117	0.000
	Min. H_z	14	30.917	0.000	-26.157
	Min. M_x	14	-2878.474	0.000	-26.157
	Min. M_z	20	-2871.124	26.117	0.000
	Min. Torsion	20	-1.076	26.117	0.000

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	25.764	0.000	0.000	-0.241	-0.016	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	30.917	0.000	-26.157	-2879.130	-0.020	-0.000
0.9 Dead+1.0 Wind 0 deg - No Ice	23.187	0.000	-26.157	-2822.108	-0.015	-0.000
1.2 Dead+1.0 Wind 30 deg - No Ice	30.917	13.058	-22.652	-2493.473	-1435.570	-0.535
0.9 Dead+1.0 Wind 30 deg - No Ice	23.187	13.058	-22.652	-2444.068	-1407.182	-0.532
1.2 Dead+1.0 Wind 60 deg - No Ice	30.917	22.618	-13.078	-1439.755	-2486.506	-0.929
0.9 Dead+1.0 Wind 60 deg - No Ice	23.187	22.618	-13.078	-1411.196	-2437.339	-0.924
1.2 Dead+1.0 Wind 90 deg - No Ice	30.917	26.117	-0.000	-0.293	-2871.165	-1.076
0.9 Dead+1.0 Wind 90 deg - No Ice	23.187	26.117	-0.000	-0.212	-2814.406	-1.069
1.2 Dead+1.0 Wind 120 deg - No Ice	30.917	22.618	13.078	1439.152	-2486.475	-0.934
0.9 Dead+1.0 Wind 120 deg -	23.187	22.618	13.078	1410.759	-2437.317	-0.928

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
No Ice						
1.2 Dead+1.0 Wind 150 deg - No Ice	30.917	13.058	22.652	2492.835	-1435.539	-0.540
0.9 Dead+1.0 Wind 150 deg - No Ice	23.187	13.058	22.652	2443.607	-1407.161	-0.537
1.2 Dead+1.0 Wind 180 deg - No Ice	30.917	0.000	26.157	2878.474	-0.020	0.000
0.9 Dead+1.0 Wind 180 deg - No Ice	23.187	0.000	26.157	2821.635	-0.015	0.000
1.2 Dead+1.0 Wind 210 deg - No Ice	30.917	-13.058	22.652	2492.835	1435.498	0.540
0.9 Dead+1.0 Wind 210 deg - No Ice	23.187	-13.058	22.652	2443.607	1407.130	0.537
1.2 Dead+1.0 Wind 240 deg - No Ice	30.917	-22.618	13.078	1439.152	2486.434	0.934
0.9 Dead+1.0 Wind 240 deg - No Ice	23.187	-22.618	13.078	1410.760	2437.287	0.928
1.2 Dead+1.0 Wind 270 deg - No Ice	30.917	-26.117	-0.000	-0.293	2871.124	1.076
0.9 Dead+1.0 Wind 270 deg - No Ice	23.187	-26.117	-0.000	-0.212	2814.376	1.069
1.2 Dead+1.0 Wind 300 deg - No Ice	30.917	-22.618	-13.078	-1439.755	2486.465	0.929
0.9 Dead+1.0 Wind 300 deg - No Ice	23.187	-22.618	-13.078	-1411.196	2437.309	0.924
1.2 Dead+1.0 Wind 330 deg - No Ice	30.917	-13.058	-22.652	-2493.473	1435.529	0.535
0.9 Dead+1.0 Wind 330 deg - No Ice	23.187	-13.058	-22.652	-2444.068	1407.152	0.532
1.2 Dead+1.0 Ice+1.0 Temp	49.861	0.000	-0.000	-1.552	-0.406	0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	49.861	0.000	-5.760	-657.280	-0.428	-0.000
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	49.861	2.879	-4.989	-569.473	-327.773	-0.125
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	49.861	4.987	-2.880	-329.500	-567.406	-0.216
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	49.861	5.759	-0.000	-1.692	-655.088	-0.250
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	49.861	4.987	2.880	326.115	-567.404	-0.216
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	49.861	2.879	4.989	566.085	-327.771	-0.125
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	49.861	0.000	5.760	653.891	-0.428	0.000
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	49.861	-2.879	4.989	566.085	326.915	0.125
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	49.861	-4.987	2.880	326.115	566.547	0.216
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	49.861	-5.759	-0.000	-1.692	654.231	0.250
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	49.861	-4.987	-2.880	-329.500	566.550	0.216
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	49.861	-2.879	-4.989	-569.473	326.917	0.125
Dead+Wind 0 deg - Service	25.764	0.000	-4.866	-531.660	-0.017	-0.000
Dead+Wind 30 deg - Service	25.764	2.429	-4.214	-460.487	-265.004	-0.104
Dead+Wind 60 deg - Service	25.764	4.208	-2.433	-265.978	-458.988	-0.180
Dead+Wind 90 deg - Service	25.764	4.859	-0.000	-0.274	-529.969	-0.208
Dead+Wind 120 deg - Service	25.764	4.208	2.433	265.430	-458.988	-0.180
Dead+Wind 150 deg - Service	25.764	2.429	4.214	459.938	-265.003	-0.104
Dead+Wind 180 deg - Service	25.764	0.000	4.866	531.110	-0.017	0.000

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
Dead+Wind 210 deg - Service	25.764	-2.429	4.214	459.938	264.969	0.104
Dead+Wind 240 deg - Service	25.764	-4.208	2.433	265.430	458.954	0.180
Dead+Wind 270 deg - Service	25.764	-4.859	-0.000	-0.274	529.935	0.208
Dead+Wind 300 deg - Service	25.764	-4.208	-2.433	-265.978	458.954	0.180
Dead+Wind 330 deg - Service	25.764	-2.429	-4.214	-460.487	264.970	0.104

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	0.000	-25.764	0.000	0.000	25.764	0.000	0.000%
2	0.000	-30.917	-26.157	0.000	30.917	26.157	0.000%
3	0.000	-23.187	-26.157	0.000	23.187	26.157	0.000%
4	13.058	-30.917	-22.652	-13.058	30.917	22.652	0.000%
5	13.058	-23.187	-22.652	-13.058	23.187	22.652	0.000%
6	22.618	-30.917	-13.078	-22.618	30.917	13.078	0.000%
7	22.618	-23.187	-13.078	-22.618	23.187	13.078	0.000%
8	26.117	-30.917	0.000	-26.117	30.917	0.000	0.000%
9	26.117	-23.187	0.000	-26.117	23.187	0.000	0.000%
10	22.618	-30.917	13.078	-22.618	30.917	-13.078	0.000%
11	22.618	-23.187	13.078	-22.618	23.187	-13.078	0.000%
12	13.058	-30.917	22.652	-13.058	30.917	-22.652	0.000%
13	13.058	-23.187	22.652	-13.058	23.187	-22.652	0.000%
14	0.000	-30.917	26.157	0.000	30.917	-26.157	0.000%
15	0.000	-23.187	26.157	0.000	23.187	-26.157	0.000%
16	-13.058	-30.917	22.652	13.058	30.917	-22.652	0.000%
17	-13.058	-23.187	22.652	13.058	23.187	-22.652	0.000%
18	-22.618	-30.917	13.078	22.618	30.917	-13.078	0.000%
19	-22.618	-23.187	13.078	22.618	23.187	-13.078	0.000%
20	-26.117	-30.917	0.000	26.117	30.917	0.000	0.000%
21	-26.117	-23.187	0.000	26.117	23.187	0.000	0.000%
22	-22.618	-30.917	-13.078	22.618	30.917	13.078	0.000%
23	-22.618	-23.187	-13.078	22.618	23.187	13.078	0.000%
24	-13.058	-30.917	-22.652	13.058	30.917	22.652	0.000%
25	-13.058	-23.187	-22.652	13.058	23.187	22.652	0.000%
26	0.000	-49.861	0.000	-0.000	49.861	0.000	0.000%
27	0.000	-49.861	-5.760	-0.000	49.861	5.760	0.000%
28	2.879	-49.861	-4.989	-2.879	49.861	4.989	0.000%
29	4.987	-49.861	-2.880	-4.987	49.861	2.880	0.000%
30	5.759	-49.861	0.000	-5.759	49.861	0.000	0.000%
31	4.987	-49.861	2.880	-4.987	49.861	-2.880	0.000%
32	2.879	-49.861	4.989	-2.879	49.861	-4.989	0.000%
33	0.000	-49.861	5.760	-0.000	49.861	-5.760	0.000%
34	-2.879	-49.861	4.989	2.879	49.861	-4.989	0.000%
35	-4.987	-49.861	2.880	4.987	49.861	-2.880	0.000%
36	-5.759	-49.861	0.000	5.759	49.861	0.000	0.000%
37	-4.987	-49.861	-2.880	4.987	49.861	2.880	0.000%
38	-2.879	-49.861	-4.989	2.879	49.861	4.989	0.000%
39	0.000	-25.764	-4.866	0.000	25.764	4.866	0.000%
40	2.429	-25.764	-4.214	-2.429	25.764	4.214	0.000%
41	4.208	-25.764	-2.433	-4.208	25.764	2.433	0.000%
42	4.859	-25.764	0.000	-4.859	25.764	0.000	0.000%
43	4.208	-25.764	2.433	-4.208	25.764	-2.433	0.000%
44	2.429	-25.764	4.214	-2.429	25.764	-4.214	0.000%
45	0.000	-25.764	4.866	0.000	25.764	-4.866	0.000%
46	-2.429	-25.764	4.214	2.429	25.764	-4.214	0.000%
47	-4.208	-25.764	2.433	4.208	25.764	-2.433	0.000%

B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
48	-4.859	-25.764	0.000	4.859	25.764	0.000	0.000%
49	-4.208	-25.764	-2.433	4.208	25.764	2.433	0.000%
50	-2.429	-25.764	-4.214	2.429	25.764	4.214	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	0.00009856
3	Yes	5	0.00000001	0.00001657
4	Yes	7	0.00000001	0.00026492
5	Yes	6	0.00000001	0.00080256
6	Yes	7	0.00000001	0.00027194
7	Yes	6	0.00000001	0.00082682
8	Yes	5	0.00000001	0.00075884
9	Yes	5	0.00000001	0.00031664
10	Yes	7	0.00000001	0.00026245
11	Yes	6	0.00000001	0.00079420
12	Yes	7	0.00000001	0.00027018
13	Yes	6	0.00000001	0.00082093
14	Yes	5	0.00000001	0.00009854
15	Yes	5	0.00000001	0.00001657
16	Yes	7	0.00000001	0.00027018
17	Yes	6	0.00000001	0.00082092
18	Yes	7	0.00000001	0.00026245
19	Yes	6	0.00000001	0.00079419
20	Yes	5	0.00000001	0.00075884
21	Yes	5	0.00000001	0.00031664
22	Yes	7	0.00000001	0.00027194
23	Yes	6	0.00000001	0.00082682
24	Yes	7	0.00000001	0.00026492
25	Yes	6	0.00000001	0.00080255
26	Yes	4	0.00000001	0.00004443
27	Yes	6	0.00006772	0.00044554
28	Yes	7	0.00000001	0.00024136
29	Yes	7	0.00000001	0.00024694
30	Yes	6	0.00006766	0.00044673
31	Yes	7	0.00000001	0.00023519
32	Yes	7	0.00000001	0.00024103
33	Yes	6	0.00006762	0.00044102
34	Yes	7	0.00000001	0.00024072
35	Yes	7	0.00000001	0.00023499
36	Yes	6	0.00006767	0.00044644
37	Yes	7	0.00000001	0.00024672
38	Yes	7	0.00000001	0.00024104
39	Yes	4	0.00000001	0.00073568
40	Yes	5	0.00000001	0.00042324
41	Yes	5	0.00000001	0.00044901
42	Yes	4	0.00000001	0.00084071
43	Yes	5	0.00000001	0.00041373
44	Yes	5	0.00000001	0.00043974
45	Yes	4	0.00000001	0.00073205
46	Yes	5	0.00000001	0.00043971
47	Yes	5	0.00000001	0.00041371
48	Yes	4	0.00000001	0.00084067

49	Yes	5	0.00000001	0.00044899
50	Yes	5	0.00000001	0.00042321

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 123.17	34.278	39	2.329	0.004
L2	126.337 - 84.877	23.382	39	1.981	0.002
L3	89.127 - 43.587	10.814	39	1.214	0.001
L4	48.92 - 0	3.129	39	0.604	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.000	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	39	34.278	2.329	0.004	11499
140.000	BXA-70063-6CF-EDIN-0 w/ Mount Pipe	39	29.513	2.194	0.003	5749
76.000	8225	39	7.676	0.983	0.001	3380

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 123.17	185.108	2	12.619	0.020
L2	126.337 - 84.877	126.461	2	10.739	0.012
L3	89.127 - 43.587	58.573	2	6.584	0.005
L4	48.92 - 0	16.955	2	3.273	0.002

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.000	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	2	185.108	12.619	0.020	2308
140.000	BXA-70063-6CF-EDIN-0 w/ Mount Pipe	2	159.472	11.892	0.016	1152
76.000	8225	2	41.586	5.332	0.004	634

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 - 123.17 (1)	TP21.15x15x0.188	26.830	0.000	0.0	12.043	-8.607	704.532	0.012
L2	123.17 - 84.877 (2)	TP29.42x20.049x0.25	41.460	0.000	0.0	22.384	-12.856	1309.470	0.010
L3	84.877 - 43.587 (3)	TP38.26x27.959x0.313	45.540	0.000	0.0	36.443	-19.873	2131.900	0.009
L4	43.587 - 0 (4)	TP47.5x36.429x0.313	48.920	0.000	0.0	46.804	-30.884	2738.040	0.011

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 - 123.17 (1)	TP21.15x15x0.188	287.447	359.820	0.799	0.000	359.820	0.000
L2	123.17 - 84.877 (2)	TP29.42x20.049x0.25	897.317	920.775	0.975	0.000	920.775	0.000
L3	84.877 - 43.587 (3)	TP38.26x27.959x0.313	1698.108	1928.883	0.880	0.000	1928.883	0.000
L4	43.587 - 0 (4)	TP47.5x36.429x0.313	2879.133	2904.417	0.991	0.000	2904.417	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 - 123.17 (1)	TP21.15x15x0.188	14.913	211.360	0.071	0.000	374.575	0.000
L2	123.17 - 84.877 (2)	TP29.42x20.049x0.25	17.934	392.842	0.046	0.000	970.492	0.000
L3	84.877 - 43.587 (3)	TP38.26x27.959x0.313	21.892	639.570	0.034	0.000	2057.892	0.000
L4	43.587 - 0 (4)	TP47.5x36.429x0.313	26.196	821.412	0.032	0.000	3394.442	0.000

Pole Interaction Design Data

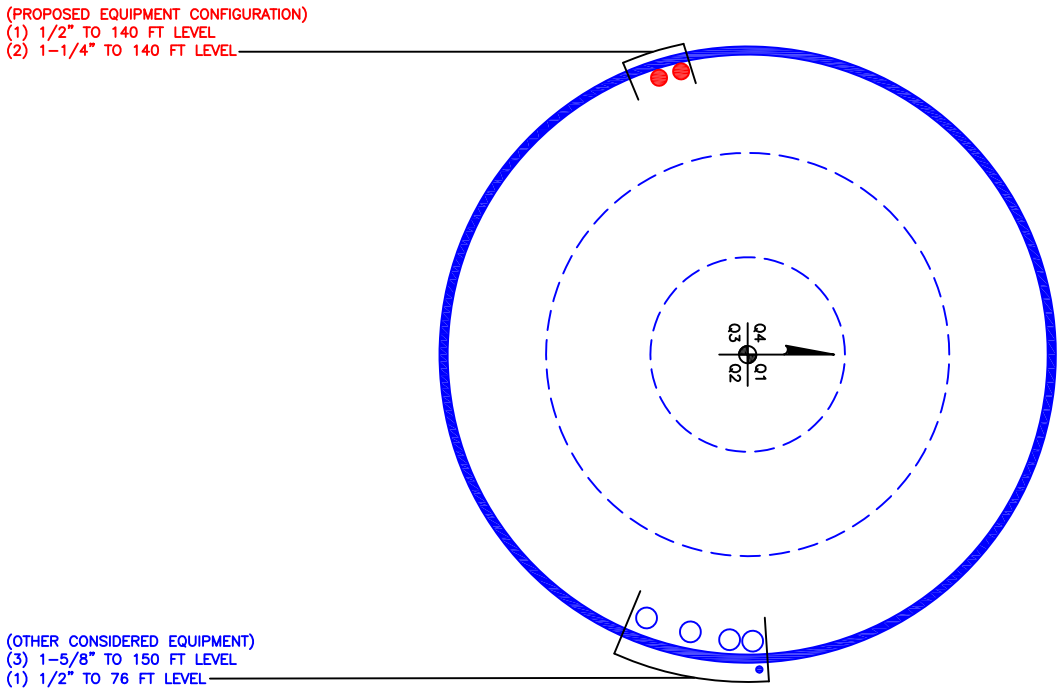
Section No.	Elevation ft	Ratio $P_u/\phi P_n$	Ratio $M_{ux}/\phi M_{nx}$	Ratio $M_{uy}/\phi M_{ny}$	Ratio $V_u/\phi V_n$	Ratio $T_u/\phi T_n$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	150 - 123.17 (1)	0.012	0.799	0.000	0.071	0.000	0.816 ✔	1.050	4.8.2 ✔
L2	123.17 - 84.877 (2)	0.010	0.975	0.000	0.046	0.000	0.986 ✔	1.050	4.8.2 ✔
L3	84.877 - 43.587 (3)	0.009	0.880	0.000	0.034	0.000	0.891 ✔	1.050	4.8.2 ✔
L4	43.587 - 0 (4)	0.011	0.991	0.000	0.032	0.000	1.004 ✔	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 - 123.17	Pole	TP21.15x15x0.188	1	-8.607	739.759	77.7	Pass
L2	123.17 - 84.877	Pole	TP29.42x20.049x0.25	2	-12.856	1374.943	93.9	Pass
L3	84.877 - 43.587	Pole	TP38.26x27.959x0.313	3	-19.873	2238.495	84.8	Pass
L4	43.587 - 0	Pole	TP47.5x36.429x0.313	4	-30.884	2874.942	95.6	Pass
							Summary	
						Pole (L4)	95.6	Pass
						RATING =	**95.6**	**Pass**

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 876374

APPENDIX C

ADDITIONAL CALCULATIONS

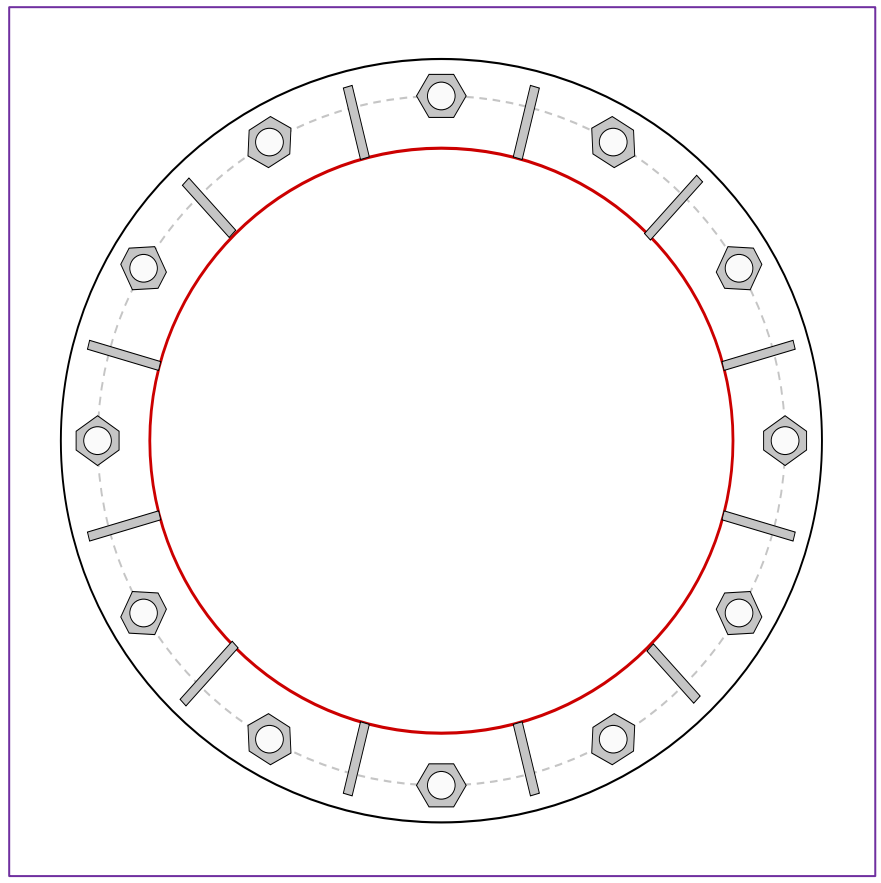
Monopole Base Plate Connection

Site Info	
BU #	876374
Site Name	ANA LAKE / JONES/ SS
Order #	552676, Rev# 0

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

Applied Loads	
Moment (kip-ft)	2879.13
Axial Force (kips)	30.88
Shear Force (kips)	26.20

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(12) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 56" BC

Base Plate Data

62" OD x 1.75" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

(12) 18"H x 6"W x 0.75"T, Notch: 0.75"

plate: Fy= 60 ksi ; weld: Fy= 70 ksi

horiz. weld: 0.375" groove, 45° dbl bevel, 0.25" fillet

vert. weld: 0.25" fillet

Pole Data

47.5" x 0.3125" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary		*(units of kips, kip-in)*
Pu_t = 202.94	ϕPn_t = 243.75	**Stress Rating**
Vu = 2.18	ϕVn = 149.1	**79.3%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary		
Max Stress (ksi):	41.21	(Roark's Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**72.7%**	**Pass**

Stiffener Summary		
Horizontal Weld:	**61.8%**	**Pass**
Vertical Weld:	**68.6%**	**Pass**
Plate Flexure+Shear:	**15.5%**	**Pass**
Plate Tension+Shear:	**60.1%**	**Pass**
Plate Compression:	**60.6%**	**Pass**

Pole Summary		
Punching Shear:	**14.9%**	**Pass**

Pier and Pad Foundation

BU # :	876374
Site Name:	OSCAWANA LAKE
App. Number:	552676, Rev# 0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions

Compression, P_{comp}:	31	kips
Base Shear, Vu_comp:	26	kips
Moment, M_u:	2879	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**:	1	ft
Pier Rebar Size, **Sc**:	8	
Pier Rebar Quantity, **mc**:	33	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	6	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties

Depth, **D**:	6	ft
Pad Width, W_1:	21	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	8	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	23	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties

Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	4	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties

Total Soil Unit Weight, γ:	125	pcf
Ultimate Gross Bearing, Qult:	12.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	32	degrees
SPT Blow Count, N_{blows}:	50	
Base Friction, μ:		
Neglected Depth, **N**:	3.50	ft
Foundation Bearing on Rock?	Yes	
Groundwater Depth, **gw**:	N/A	ft

<--Toggle between Gross and Net

Foundation Analysis Checks

	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	181.72	26.00	**13.6%**	**Pass**
Bearing Pressure (ksf)	9.00	5.79	**64.4%**	**Pass**
*Overturning (kip*ft)*	3482.13	3067.50	**88.1%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	4328.77	2983.00	**65.6%**	**Pass**
Pier Compression (kip)	31187.52	66.28	**0.2%**	**Pass**
*Pad Flexure (kip*ft)*	2523.58	1423.33	**53.7%**	**Pass**
Pad Shear - 1-way (kips)	753.06	266.39	**33.7%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.000	**0.0%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	3784.61	1789.80	**45.0%**	**Pass**

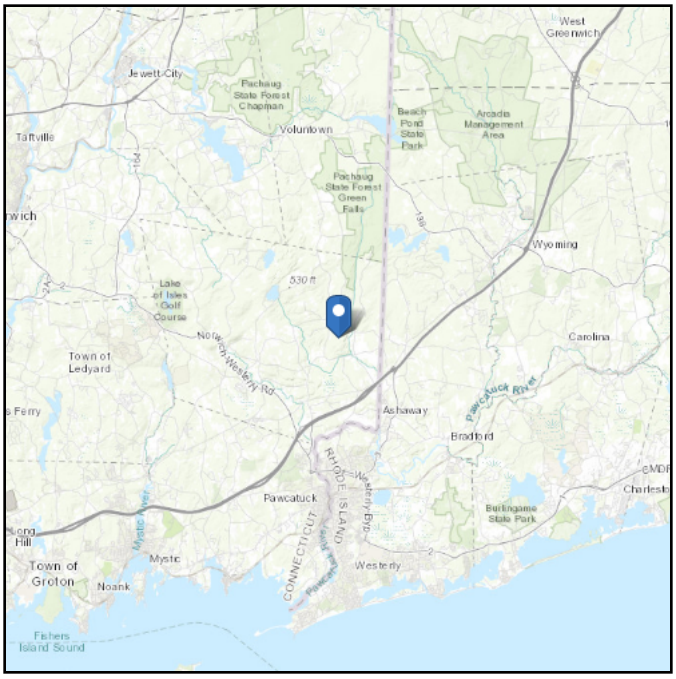
**Rating per TIA-222-H Section 15.5*

Soil Rating*:	**88.1%**
Structural Rating*:	**65.6%**

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-10	**Elevation:**	233.63 ft (NAVD 88)
Risk Category:	II	**Latitude:**	41.464789
Soil Class:	D - Stiff Soil	**Longitude:**	-71.826283



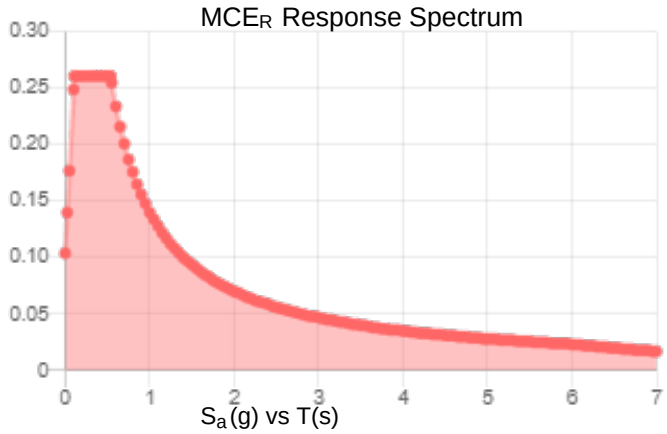
Seismic

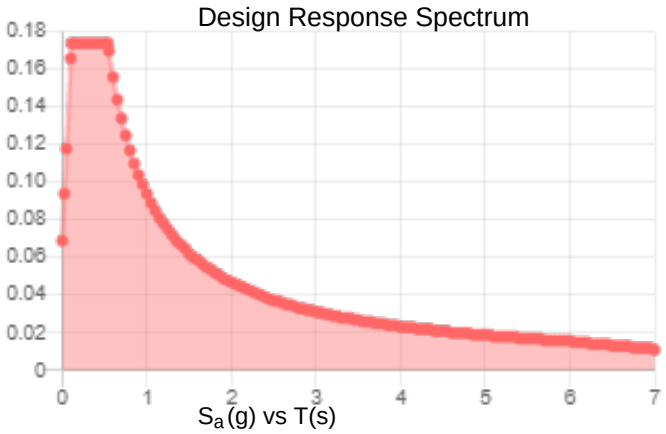
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.163	S_{DS} :	0.174
S_1 :	0.059	S_{D1} :	0.094
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.082
S_{MS} :	0.261	PGA_M :	0.13
S_{M1} :	0.14	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Wed Apr 28 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 Apr 28 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.

Exhibit E

Mount Analysis

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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10068124
Maser Consulting Connecticut Project #: 21777124A

August 3, 2021

Site Information	*Site ID:*	*467659-VZW / NORTH STONINGTON EAST CT*
	Site Name:	*NORTH STONINGTON EAST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*31 F Clarks Fall Rd* *North Stonington, Connecticut 06359* *New London County*
	Latitude:	*41.464789°*
	Longitude:	*-71.826283°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 16272097

Analysis Results

Platform: **67.3% Pass**

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

Report Prepared By: Frank Centone

STATE OF CONNECTICUT
DEREK R. HARTZELL
32710
LICENSED PROFESSIONAL ENGINEER

Digitally signed by Derek Hartzell
Date: 2021.08.03 07:23:12-07'00'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 1649168, dated February 18, 2021*
Mount Mapping Report	*Hudson Design Group, LLC., Site ID: 467659, dated March 22, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21777124A, Dated April 30, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777124A, Dated August 3, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	127 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:	0.992
Seismic Parameters:	S_S:	0.186
	S_1:	0.052
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
138.00	140.00	6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6407-77A	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48*	
		3	Amphenol Antel	BXA-70063-6CF	Retained

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

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	23.5%	Pass
Standoff Horizontal	49.3%	Pass
Platform Crossmember	25.4%	Pass
Dual Mount Pipe	53.2%	Pass
Mount Pipe	67.3%	Pass
Corner Plate	27.9%	Pass
Grating Support	20.1%	Pass
Cross Arm Plate	35.6%	Pass
Support Rail	35.3%	Pass
Conner Angle	56.2%	Pass
Mount Connection	65.9%	Pass

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

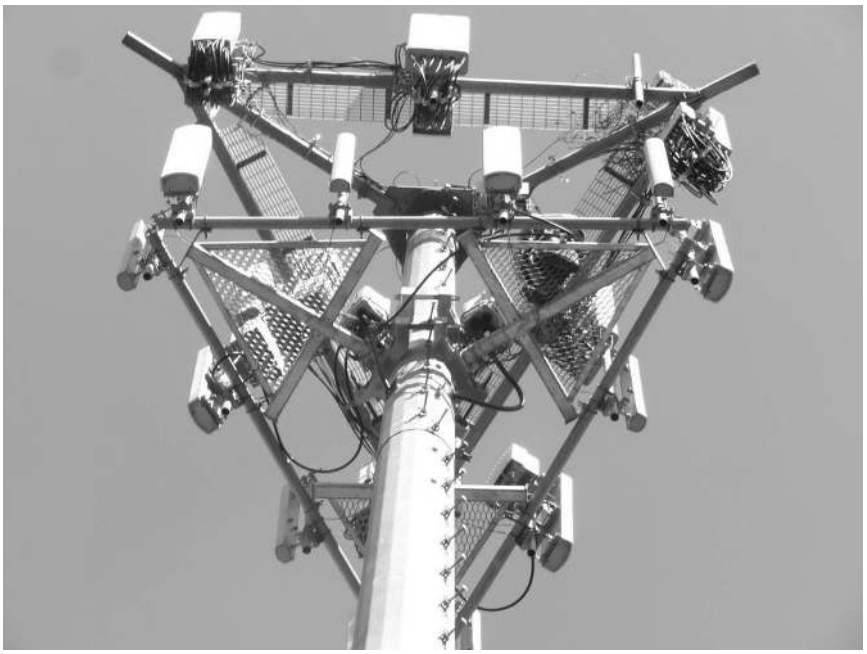
Recommendation:

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

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

Attachments:

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



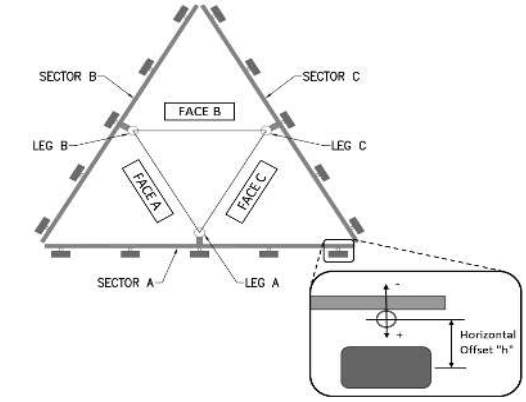
V3.0 Updated on 8-31-2020

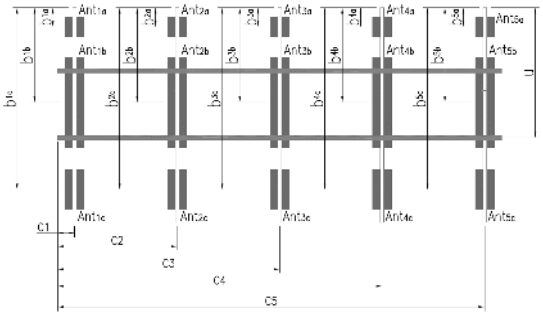
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/22/2021
Site Name:	NORTH STONINGTON EAST CT	**Tower Type:**	Monopole
Site Number or ID:	467659	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	133.25

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





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

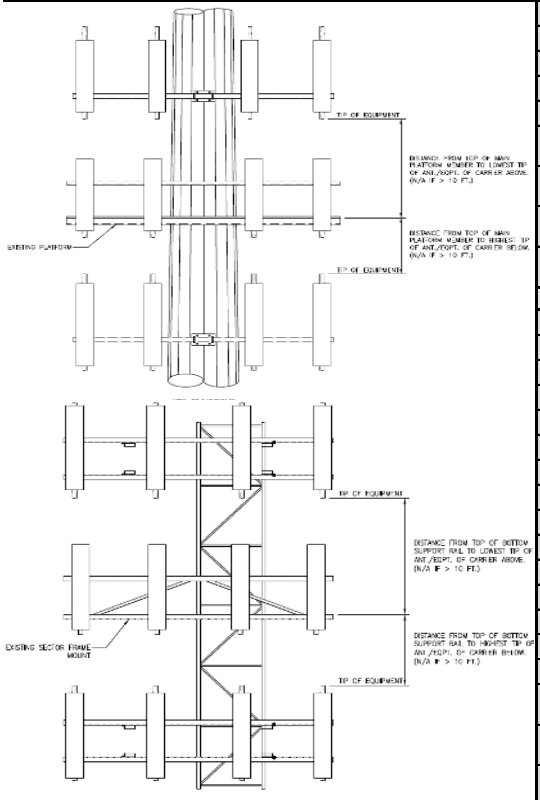
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE X 84" LONG	64.00	7.00	C1	2" STD. PIPE X 84" LONG	64.00	7.00
A2	2" STD. PIPE X 84" LONG	64.00	53.00	C2	2" STD. PIPE X 84" LONG	64.00	53.00
A3	2" STD. PIPE X 84" LONG	64.00	98.00	C3	2" STD. PIPE X 84" LONG	64.00	98.00
A4	2" STD. PIPE X 84" LONG	64.00	143.00	C4	2" STD. PIPE X 84" LONG	64.00	143.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 84" LONG	64.00	7.00	D1			
B2	2" STD. PIPE X 84" LONG	64.00	53.00	D2			
B3	2" STD. PIPE X 84" LONG	64.00	98.00	D3			
B4	2" STD. PIPE X 84" LONG	64.00	143.00	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.) :	
Please enter additional infomation or comments below.	
OVP UNITS MOUNTED ON SEPARATE RING MOUNT CLOSE TO TOWER	
Tower Face Width at Mount Elev. (ft.):	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.): 20

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	BXA-70063-6CF-EDIN-	6.00	4.00	72.00		135.333	39.00	8.00	20.00	4,12
Ant_{1c}										
Ant_{2a}	700MRRH	16.00	10.00	16.00		136.083	30.00	-8.00		4,11
Ant_{2b}	BXA-171063-12CF-ED	11.00	5.50	71.00		135.583	36.00	10.00	20.00	4,13
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-70063-6CF-EDIN-	6.00	4.00	72.00		135.333	39.00	8.00	20.00	3,14
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-171063-12CF-ED	11.00	5.50	71.00		135.583	36.00	10.00	20.00	3,15
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-50	15.00	10.00	28.00						1,22,24
Ant on Tower										

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

Climbing Facility Information			
Location:	160.00	Deg	N/A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	BXA-70063-6CF-EDIN-	6.00	4.00	72.00		135.333	39.00	8.00	140.00	6,12
Ant_{1c}										
Ant_{2a}	700MRRH	16.00	10.00	16.00		136.083	30.00	-8.00		6,11
Ant_{2b}	BXA-171063-12CF-ED	11.00	5.50	71.00		135.583	36.00	10.00	140.00	6,13
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-70063-6CF-EDIN-	6.00	4.00	72.00		135.333	39.00	8.00	140.00	5,14
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-171063-12CF-ED	11.00	5.50	71.00		135.583	36.00	10.00	140.00	5,15
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	BXA-70063-6CF-EDIN-	6.00	4.00	72.00		135.333	39.00	8.00	260.00	44,12
Ant_{1c}										
Ant_{2a}	700MRRH	16.00	10.00	16.00		136.083	30.00	-8.00		44,11
Ant_{2b}	BXA-171063-12CF-ED	11.00	5.50	71.00		135.583	36.00	10.00	260.00	44,13
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-70063-6CF-EDIN-	6.00	4.00	72.00		135.333	39.00	8.00	260.00	43,14
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-171063-12CF-ED	11.00	5.50	71.00		135.583	36.00	10.00	260.00	43,15
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-50	15.00	10.00	28.00						2,25,26
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	(2) 1-1/4"Ø HYBRID	23,26,42
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.

MASER CONSULTING P.A

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/22/2021
Site Name:	NORTH STONINGTON EAST CT	**Tower Type:**	Monopole
Site Number or ID:	467659	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	133.25

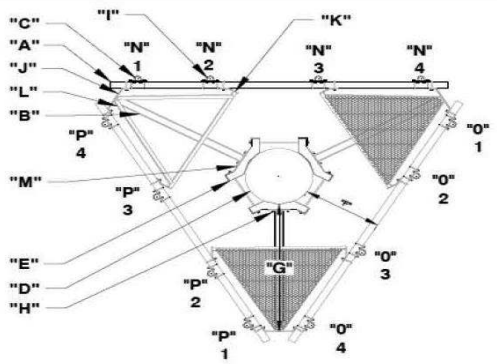
Please Insert Sketches of the Antenna Mount

MOUNT MAPPING CHECKLIST

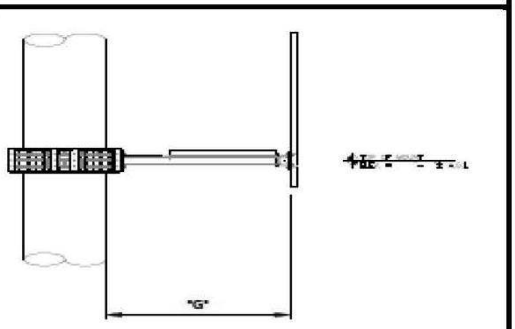
CARRIER:	VERIZON	SITE #:	467659	SITE NAME:	North Stonington East CT
DATE:	3/22/2021	MAPPED BY:	JC	SITE OWNER:	

DESCRIPTION	STATUS	Value
A: FACE PIPE CONFIG.	☑	
SIZE		3-1/2"
LENGTH		12'6"
B: STAND OFF SIZE	☑	4x4x1/4
C: ANTENNA PIPE MAST	☑	2" STD x 3/16"x 7'
DIA.		
LENGTH		
D: MONOPOLE DIA.	☑	20"
E: RINGMOUNT	☑	9-1/2"x 5/8"
F: TOWER TO FACE	☑	38"
G: TOWER TO APEX	☑	67"
H: HARDWARE	☑	5/8"Ø
I: U-BOLTS	☑	1/2"Ø
J: A PLATE	☑	6"x 3-1/2"x 12-1/2"x 1/2
K: B PLATE	☑	6"x 5-1/2"x 3"x 3/8"
L: ANGLE	☑	2"X2"
M: MOUNTING PLATE	☑	7-3/4"x 7-3/4"x 3/4"
N: ALPHA POS 1	☑	BXA-70063-6CF-EDIN-2
ALPHA POS 2	☑	BXA-171063-12CF-EDIN-
ALPHA POS 3	☑	BXA-70063-6CF-EDIN-2
ALPHA POS 4	☑	BXA-171063-12CF-EDIN-
O: BETA POS 1	☐	Same
BETA POS 2	☐	
BETA POS 3	☐	
BETA POS 4	☐	
P: GAMMA POS 1	☐	Same
GAMMA POS 2	☐	
GAMMA POS 3	☐	
GAMMA POS 4	☐	
Q: TMA QTY. 4	☐	
R: RADIOS	☑	3
S: SURGE QTY. 3	☑	2
T: SECOND MOUNT	☑	Yes, same collar

Legend



PLAN



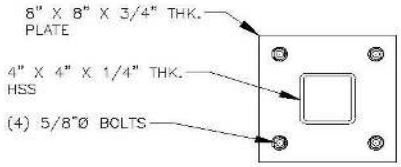
ELEVATION

FACE SKETCH

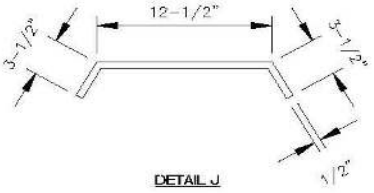
COMMENTS:

North Stonington East CT MM AESN 03222021

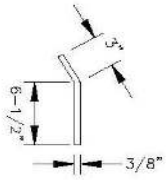
Please Insert Sketches of the Antenna Mount, cont'd



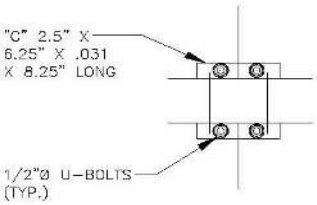
DETAIL M



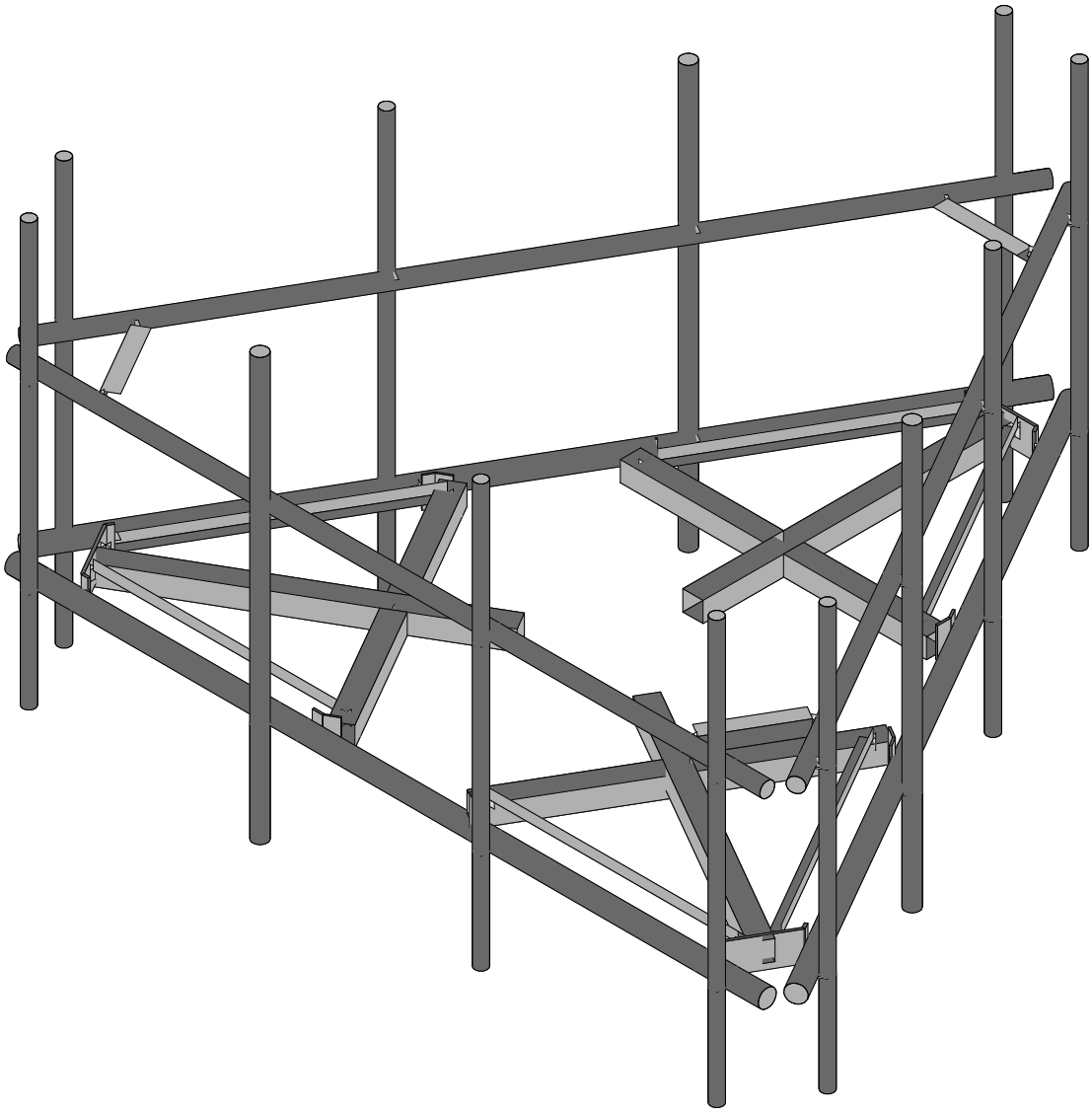
DETAIL J



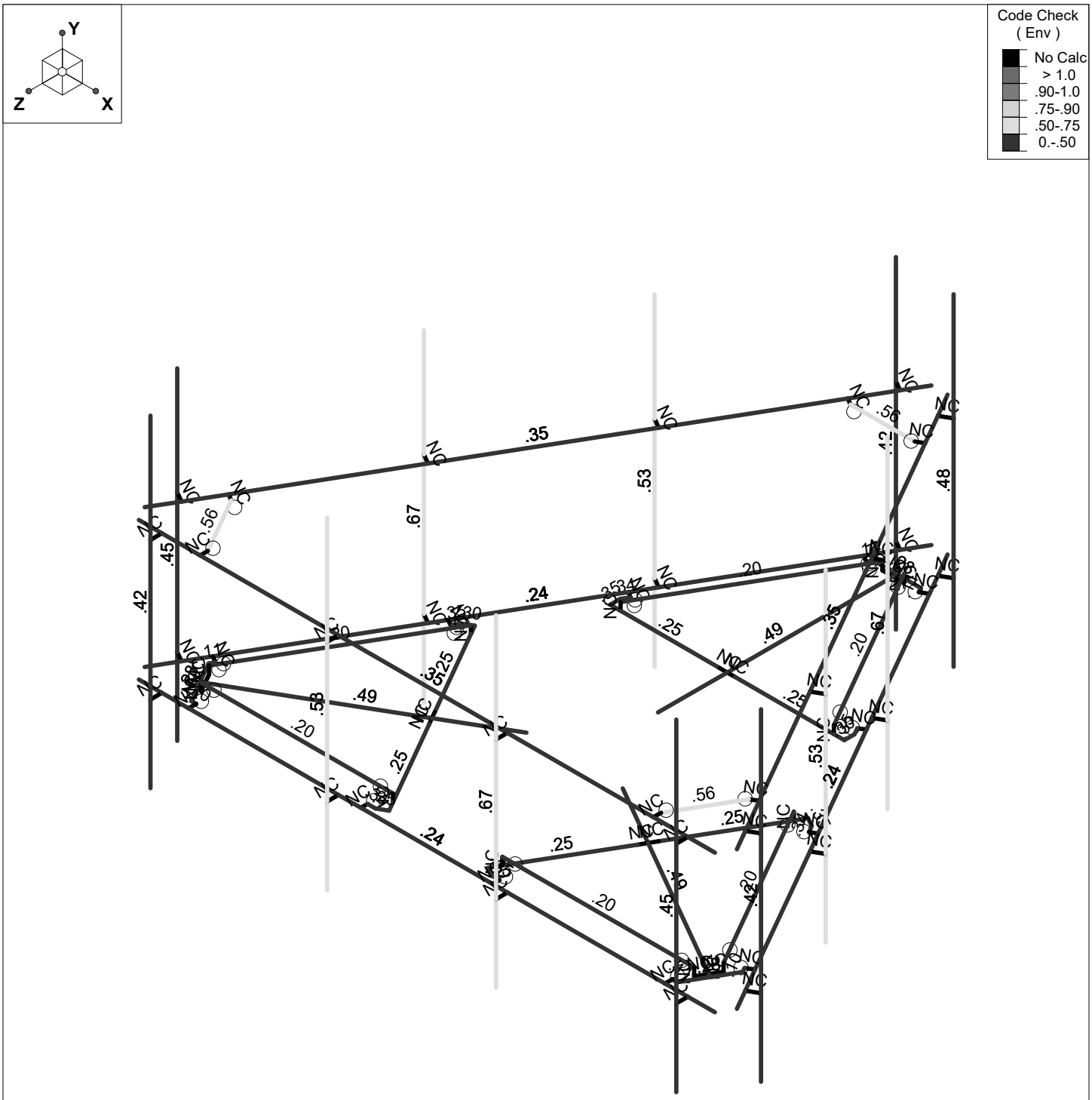
DETAIL K



DETAIL E

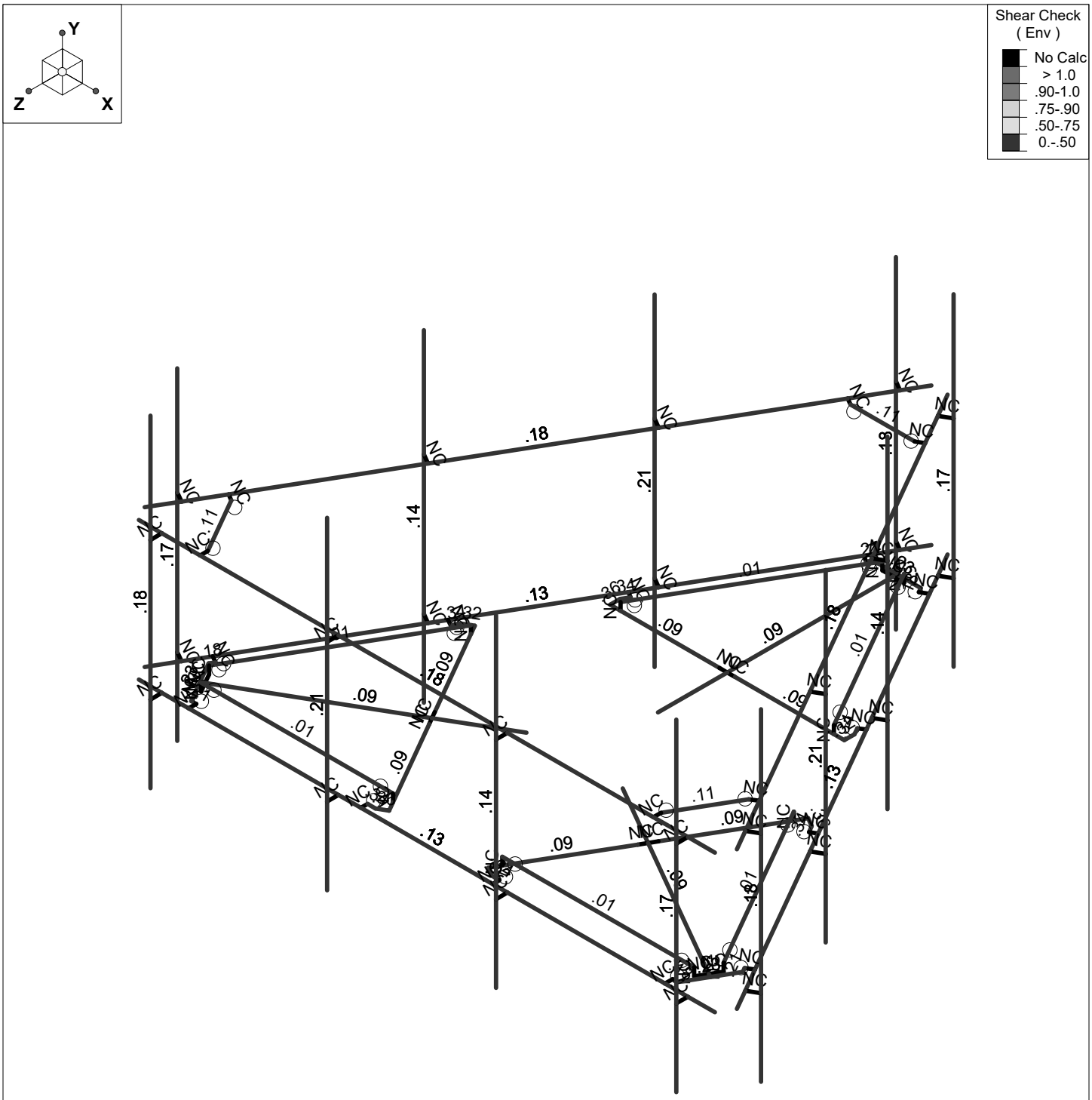


		SK - 1
		July 30, 2021 at 1:14 PM
		467659-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

		SK - 2
		July 30, 2021 at 1:14 PM
		467659-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

		SK - 3
		July 30, 2021 at 1:15 PM
		467659-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					90			
2	Antenna Di	None					90			
3	Antenna Wo (0 Deg)	None					90			
4	Antenna Wo (30 Deg)	None					90			
5	Antenna Wo (60 Deg)	None					90			
6	Antenna Wo (90 Deg)	None					90			
7	Antenna Wo (120 Deg)	None					90			
8	Antenna Wo (150 Deg)	None					90			
9	Antenna Wo (180 Deg)	None					90			
10	Antenna Wo (210 Deg)	None					90			
11	Antenna Wo (240 Deg)	None					90			
12	Antenna Wo (270 Deg)	None					90			
13	Antenna Wo (300 Deg)	None					90			
14	Antenna Wo (330 Deg)	None					90			
15	Antenna Wi (0 Deg)	None					90			
16	Antenna Wi (30 Deg)	None					90			
17	Antenna Wi (60 Deg)	None					90			
18	Antenna Wi (90 Deg)	None					90			
19	Antenna Wi (120 Deg)	None					90			
20	Antenna Wi (150 Deg)	None					90			
21	Antenna Wi (180 Deg)	None					90			
22	Antenna Wi (210 Deg)	None					90			
23	Antenna Wi (240 Deg)	None					90			
24	Antenna Wi (270 Deg)	None					90			
25	Antenna Wi (300 Deg)	None					90			
26	Antenna Wi (330 Deg)	None					90			
27	Antenna Wm (0 Deg)	None					90			
28	Antenna Wm (30 Deg)	None					90			
29	Antenna Wm (60 Deg)	None					90			
30	Antenna Wm (90 Deg)	None					90			
31	Antenna Wm (120 Deg)	None					90			
32	Antenna Wm (150 Deg)	None					90			
33	Antenna Wm (180 Deg)	None					90			
34	Antenna Wm (210 Deg)	None					90			
35	Antenna Wm (240 Deg)	None					90			
36	Antenna Wm (270 Deg)	None					90			
37	Antenna Wm (300 Deg)	None					90			
38	Antenna Wm (330 Deg)	None					90			
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 D...	None						114		
46	Structure Wo (150 D...	None						114		
47	Structure Wo (180 D...	None						114		
48	Structure Wo (210 D...	None						114		
49	Structure Wo (240 D...	None						114		
50	Structure Wo (270 D...	None						114		
51	Structure Wo (300 D...	None						114		
52	Structure Wo (330 D...	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	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						114		
58	Structure Wi (150 De...	None						114		
59	Structure Wi (180 De...	None						114		
60	Structure Wi (210 De...	None						114		
61	Structure Wi (240 De...	None						114		
62	Structure Wi (270 De...	None						114		
63	Structure Wi (300 De...	None						114		
64	Structure Wi (330 De...	None						114		
65	Structure Wm (0 Deg)	None						114		
66	Structure Wm (30 De...	None						114		
67	Structure Wm (60 De...	None						114		
68	Structure Wm (90 De...	None						114		
69	Structure Wm (120 D...	None						114		
70	Structure Wm (150 D...	None						114		
71	Structure Wm (180 D...	None						114		
72	Structure Wm (210 D...	None						114		
73	Structure Wm (240 D...	None						114		
74	Structure Wm (270 D...	None						114		
75	Structure Wm (300 D...	None						114		
76	Structure Wm (330 D...	None						114		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						30		
82	BLC 40 Transient Are...	None						30		

Load Combinations

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0 ...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (12...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (15...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (18...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (21...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (24...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (27...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (30...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (33...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.25	0	3.810523	0	
2	N2	-6.25	0	3.810523	0	
3	N3	0	0	-1.208333	0	
4	N5	-2.541667	0	-2.708333	0	
5	N6	2.315104	0.166667	-2.708333	0	
6	N7	-2.315104	0.166667	-2.708333	0	
7	N8	5.666667	0	3.810523	0	
8	N9	5.666667	0	4.060523	0	
9	N10	-5.75	0	3.810523	0	
10	N11	-5.75	0	4.060523	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
11	N12	1.75	0	3.810523	0	
12	N13	1.75	0	4.060523	0	
13	N14	-1.916667	0	3.810523	0	
14	N15	-1.916667	0	4.060523	0	
15	N16	-1.916667	-1.666667	4.060523	0	
16	N17	-1.916667	5.333333	4.060523	0	
17	N18	-5.75	-1.666667	4.060523	0	
18	N19	-5.75	5.333333	4.060523	0	
19	N20	1.75	-1.666667	4.060523	0	
20	N21	1.75	5.333333	4.060523	0	
21	N22	5.666667	-1.666667	4.060523	0	
22	N23	5.666667	5.333333	4.060523	0	
23	N24	0	0	-2.708333	0	
24	N27	0	0	-6.395833	0	
25	CP	0	0	0	0	
26	N29	2.315104	0	-2.708333	0	
27	N30	-2.315104	0	-2.708333	0	
28	N101	2.541667	0	-2.708333	0	
29	N102	-0.166667	0	-2.708333	0	
30	N103A	0.166667	0	-2.708333	0	
31	N104A	-2.541667	0	-2.927083	0	
32	N105	2.541667	0	-2.927083	0	
33	N131	2.458333	0	-3.071421	0	
34	N135	0.571615	0	-6.298857	0	
35	N144	-2.458333	0	-3.071421	0	
36	N148	-0.571615	0	-6.298857	0	
37	N86A	2.584629	0	-3.144338	0	
38	N86B	-2.584629	0	-3.144338	0	
39	N86C	-0.515625	0	-6.395833	0	
40	N87A	0.515625	0	-6.395833	0	
41	N86D	0.715429	0	-6.381888	0	
42	N86E	-0.715429	0	-6.381888	0	
43	N88A	0	0	-6.3125	0	
44	N87C	0.234238	0.166667	-6.3125	0	
45	N86G	0.234238	0	-6.3125	0	
46	N87B	-0.234238	0.166667	-6.3125	0	
47	N88C	-0.234238	0	-6.3125	0	
48	N87D	-1.046447	0	0.604167	0	
49	N88B	-1.074652	0	3.555315	0	
50	N89	-3.503038	0.166667	-0.650772	0	
51	N90	-1.187933	0.166667	3.359106	0	
52	N91	-2.345485	0	1.354167	0	
53	N92	-5.538954	0	3.197917	0	
54	N93	-3.503038	0	-0.650772	0	
55	N94	-1.187933	0	3.359106	0	
56	N95	-3.616319	0	-0.846981	0	
57	N96	-2.262152	0	1.498504	0	
58	N97	-2.428819	0	1.209829	0	
59	N98	-1.264095	0	3.66469	0	
60	N99	-3.805762	0	-0.737606	0	
61	N100	-3.889095	0	-0.593269	0	
62	N101A	-5.740777	0	2.654396	0	
63	N102A	-1.430762	0	3.66469	0	
64	N103	-5.169162	0	3.644461	0	
65	N104	-4.015391	0	-0.666185	0	
66	N105A	-1.430762	0	3.810523	0	
67	N106	-5.281142	0	3.644461	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
68	N107	-5.796767	0	2.751372	0	
69	N108	-5.884591	0	2.571364	0	
70	N109	-5.169162	0	3.810523	0	
71	N110	-5.466785	0	3.15625	0	
72	N111	-5.583904	0.166667	2.953394	0	
73	N112	-5.583904	0	2.953394	0	
74	N113	-5.349667	0.166667	3.359106	0	
75	N114	-5.349667	0	3.359106	0	
76	N115	1.046447	0	0.604167	0	
77	N116	3.616319	0	-0.846981	0	
78	N117	1.187933	0.166667	3.359106	0	
79	N118	3.503038	0.166667	-0.650772	0	
80	N119	2.345485	0	1.354167	0	
81	N120	5.538954	0	3.197917	0	
82	N121	1.187933	0	3.359106	0	
83	N122	3.503038	0	-0.650772	0	
84	N123	1.074652	0	3.555315	0	
85	N124	2.428819	0	1.209829	0	
86	N125	2.262152	0	1.498504	0	
87	N126	3.805762	0	-0.737606	0	
88	N127	1.264095	0	3.66469	0	
89	N128	1.430762	0	3.66469	0	
90	N129	5.169162	0	3.644461	0	
91	N130	3.889095	0	-0.593269	0	
92	N131A	5.740777	0	2.654396	0	
93	N132	1.430762	0	3.810523	0	
94	N133	4.015391	0	-0.666186	0	
95	N134	5.796767	0	2.751372	0	
96	N135A	5.281142	0	3.644461	0	
97	N136	5.169162	0	3.810523	0	
98	N137	5.884591	0	2.571364	0	
99	N138	5.466785	0	3.15625	0	
100	N139	5.349667	0.166667	3.359106	0	
101	N140	5.349667	0	3.359106	0	
102	N141	5.583904	0.166667	2.953394	0	
103	N142	5.583904	0	2.953394	0	
104	N104B	0.17501	0	-7.31792	0	
105	N105B	6.42501	0	3.507397	0	
106	N124A	-6.42501	0	3.507397	0	
107	N125A	-0.17501	0	-7.31792	0	
108	N116A	0.466677	0	-6.812739	0	
109	N117A	0.683183	0	-6.937739	0	
110	N118A	6.17501	0	3.074384	0	
111	N119A	6.391516	0	2.949384	0	
112	N120A	2.42501	0	-3.420806	0	
113	N121A	2.641516	0	-3.545806	0	
114	N122A	4.258343	0	-0.24538	0	
115	N123A	4.47485	0	-0.37038	0	
116	N124B	4.47485	-1.666667	-0.37038	0	
117	N125B	4.47485	5.333333	-0.37038	0	
118	N126A	6.391516	-1.666667	2.949384	0	
119	N127A	6.391516	5.333333	2.949384	0	
120	N128A	2.641516	-1.666667	-3.545806	0	
121	N129A	2.641516	5.333333	-3.545806	0	
122	N130A	0.683183	-1.666667	-6.937739	0	
123	N131B	0.683183	5.333333	-6.937739	0	
124	N133A	-6.133343	0	3.002216	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
125	N134A	-6.34985	0	2.877216	0	
126	N135B	-0.42501	0	-6.884908	0	
127	N136A	-0.641516	0	-7.009908	0	
128	N137A	-4.17501	0	-0.389717	0	
129	N138A	-4.391516	0	-0.514717	0	
130	N139A	-2.341677	0	-3.565144	0	
131	N140A	-2.558183	0	-3.690144	0	
132	N141A	-2.558183	-1.666667	-3.690144	0	
133	N142A	-2.558183	5.333333	-3.690144	0	
134	N143	-0.641516	-1.666667	-7.009908	0	
135	N144A	-0.641516	5.333333	-7.009908	0	
136	N145	-4.391516	-1.666667	-0.514717	0	
137	N146	-4.391516	5.333333	-0.514717	0	
138	N147	-6.34985	-1.666667	2.877216	0	
139	N148A	-6.34985	5.333333	2.877216	0	
140	N148B	6.25	3	3.810523	0	
141	N149	-6.25	3	3.810523	0	
142	N150	5.666667	3	3.810523	0	
143	N151	5.666667	3	4.060523	0	
144	N152	-5.75	3	3.810523	0	
145	N153	-5.75	3	4.060523	0	
146	N154	1.75	3	3.810523	0	
147	N155	1.75	3	4.060523	0	
148	N156	-1.916667	3	3.810523	0	
149	N157	-1.916667	3	4.060523	0	
150	N159	0.17501	3	-7.31792	0	
151	N160	6.42501	3	3.507397	0	
152	N161	0.466677	3	-6.812739	0	
153	N162	0.683183	3	-6.937739	0	
154	N163	6.17501	3	3.074384	0	
155	N164	6.391516	3	2.949384	0	
156	N165	2.42501	3	-3.420806	0	
157	N166	2.641516	3	-3.545806	0	
158	N167	4.258343	3	-0.24538	0	
159	N168	4.47485	3	-0.37038	0	
160	N170	-6.42501	3	3.507397	0	
161	N171	-0.17501	3	-7.31792	0	
162	N172	-6.133343	3	3.002216	0	
163	N173	-6.34985	3	2.877216	0	
164	N174	-0.42501	3	-6.884908	0	
165	N175	-0.641516	3	-7.009908	0	
166	N176	-4.17501	3	-0.389717	0	
167	N177	-4.391516	3	-0.514717	0	
168	N178	-2.341677	3	-3.565144	0	
169	N179	-2.558183	3	-3.690144	0	
170	N178A	-4.919162	3	3.644461	0	
171	N179A	-4.919162	3	3.810523	0	
172	N180	4.919162	3	3.644461	0	
173	N181	4.919162	3	3.810523	0	
174	N183	5.615777	3	2.437889	0	
175	N184A	5.759591	3	2.354858	0	
176	N185A	0.696615	3	-6.08235	0	
177	N186A	0.840429	3	-6.165381	0	
178	N188A	-0.696615	3	-6.08235	0	
179	N189A	-0.840429	3	-6.165381	0	
180	N190	-5.615777	3	2.437889	0	
181	N191	-5.759591	3	2.354858	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	HSS4X4X4	Beam	SquareTube	A500 Gr....	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmember	HSS4X4X3	Beam	SquareTube	A500 Gr....	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_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Conner Angle	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Cross...	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			P2.5 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 Cross...	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	M52A	N87D	N92			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
35	M53	N95	N97			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
36	M54	N96	N88B			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
37	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr.36	Typical
38	M56	N90	N94			RIGID	None	None	RIGID	Typical
39	M57	N89	N93			RIGID	None	None	RIGID	Typical
40	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
41	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
42	M60	N113	N114			RIGID	None	None	RIGID	Typical
43	M61	N96	N91			RIGID	None	None	RIGID	Typical
44	M62	N91	N97			RIGID	None	None	RIGID	Typical
45	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
47	M65	N100	N104			RIGID	None	None	RIGID	Typical
48	M66	N107	N101A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
49	M67	N101A	N108			RIGID	None	None	RIGID	Typical
50	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
51	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
52	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
53	M71	N106	N103			Corner Plate	Beam	BAR	A36 Gr.36	Typical
54	M72	N103	N109			RIGID	None	None	RIGID	Typical
55	M73	N114	N110			RIGID	None	None	RIGID	Typical
56	M74	N110	N112			RIGID	None	None	RIGID	Typical
57	M75	N111	N112			RIGID	None	None	RIGID	Typical
58	M76A	N115	N120			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
59	M77A	N123	N125			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
60	M78	N124	N116			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
61	M79A	N134	N135A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
62	M80A	N118	N122			RIGID	None	None	RIGID	Typical
63	M81	N117	N121			RIGID	None	None	RIGID	Typical
64	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
65	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
66	M84A	N141	N142			RIGID	None	None	RIGID	Typical
67	M85A	N124	N119			RIGID	None	None	RIGID	Typical
68	M86	N119	N125			RIGID	None	None	RIGID	Typical
69	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
70	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
71	M89	N128	N132			RIGID	None	None	RIGID	Typical
72	M90	N135A	N129			Corner Plate	Beam	BAR	A36 Gr.36	Typical
73	M91A	N129	N136			RIGID	None	None	RIGID	Typical
74	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
75	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
76	M94	N130	N133			RIGID	None	None	RIGID	Typical
77	M95	N134	N131A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
78	M96	N131A	N137			RIGID	None	None	RIGID	Typical
79	M97	N142	N138			RIGID	None	None	RIGID	Typical
80	M98	N138	N140			RIGID	None	None	RIGID	Typical
81	M99	N139	N140			RIGID	None	None	RIGID	Typical
82	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
83	M91B	N124A	N125A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
84	M88B	N116A	N117A			RIGID	None	None	RIGID	Typical
85	M89A	N118A	N119A			RIGID	None	None	RIGID	Typical
86	M90A	N120A	N121A			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	M91C	N122A	N123A			RIGID	None	None	RIGID	Typical
88	MP3C	N125B	N124B			P2.5 Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	MP4C	N127A	N126A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	MP2C	N129A	N128A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	MP1C	N131B	N130A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M96A	N133A	N134A			RIGID	None	None	RIGID	Typical
93	M97A	N135B	N136A			RIGID	None	None	RIGID	Typical
94	M98A	N137A	N138A			RIGID	None	None	RIGID	Typical
95	M99A	N139A	N140A			RIGID	None	None	RIGID	Typical
96	MP3B	N142A	N141A			P2.5 Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	MP4B	N144A	N143			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	MP2B	N146	N145			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	MP1B	N148A	N147			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M104	N148B	N149			Support Rail	Beam	Pipe	A53 Gr.B	Typical
101	M105	N150	N151			RIGID	None	None	RIGID	Typical
102	M106	N152	N153			RIGID	None	None	RIGID	Typical
103	M107	N154	N155			RIGID	None	None	RIGID	Typical
104	M108	N156	N157			RIGID	None	None	RIGID	Typical
105	M109	N159	N160			Support Rail	Beam	Pipe	A53 Gr.B	Typical
106	M110	N161	N162			RIGID	None	None	RIGID	Typical
107	M111	N163	N164			RIGID	None	None	RIGID	Typical
108	M112	N165	N166			RIGID	None	None	RIGID	Typical
109	M113	N167	N168			RIGID	None	None	RIGID	Typical
110	M114	N170	N171			Support Rail	Beam	Pipe	A53 Gr.B	Typical
111	M115	N172	N173			RIGID	None	None	RIGID	Typical
112	M116	N174	N175			RIGID	None	None	RIGID	Typical
113	M117	N176	N177			RIGID	None	None	RIGID	Typical
114	M118	N178	N179			RIGID	None	None	RIGID	Typical
115	M119	N178A	N179A			RIGID	None	None	RIGID	Typical
116	M120	N180	N181			RIGID	None	None	RIGID	Typical
117	M121	N183	N184A			RIGID	None	None	RIGID	Typical
118	M122	N185A	N186A			RIGID	None	None	RIGID	Typical
119	M123	N188A	N189A			RIGID	None	None	RIGID	Typical
120	M124A	N190	N191			RIGID	None	None	RIGID	Typical
121	M125A	N188A	N185A		90	Conner Angle	Beam	Single Angle	A36 Gr.36	Typical
122	M126A	N178A	N190		90	Conner Angle	Beam	Single Angle	A36 Gr.36	Typical
123	M127A	N183	N180		90	Conner Angle	Beam	Single Angle	A36 Gr.36	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Face Horizo...	12.5			Lbyy						Lateral
2	M4	Standoff Ho...	5.188			Lbyy						Lateral
3	M10	Platform Cr...	2.375			Lbyy						Lateral
4	MP3A	P2.5 Mount ...	7			Lbyy						Lateral
5	MP4A	Mount Pipe	7			Lbyy						Lateral
6	MP2A	Mount Pipe	7			Lbyy						Lateral
7	MP1A	Mount Pipe	7			Lbyy						Lateral
8	M43	Platform Cr...	2.375			Lbyy						Lateral
9	M46	Corner Plate	1.031			Lbyy						Lateral
10	M51B	Grating Sup...	4.162			Lbyy						Lateral
11	M52B	Grating Sup...	4.162			Lbyy						Lateral
12	M76	Cross Arm ...	.219									Lateral
13	M77	Cross Arm ...	.167									Lateral
14	M80	Corner Plate	.112			Lbyy						Lateral
15	M84	Cross Arm ...	.219									Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
16	M85	Cross Arm ...	.167									Lateral
17	M91	Corner Plate	.112			Lbyy						Lateral
18	M52A	Standoff Ho...	5.188			Lbyy						Lateral
19	M53	Platform Cr...	2.375			Lbyy						Lateral
20	M54	Platform Cr...	2.375			Lbyy						Lateral
21	M55	Corner Plate	1.031			Lbyy						Lateral
22	M58A	Grating Sup...	4.162			Lbyy						Lateral
23	M59A	Grating Sup...	4.162			Lbyy						Lateral
24	M63	Cross Arm ...	.219									Lateral
25	M64	Cross Arm ...	.167									Lateral
26	M66	Corner Plate	.112			Lbyy						Lateral
27	M68	Cross Arm ...	.219									Lateral
28	M69	Cross Arm ...	.167									Lateral
29	M71	Corner Plate	.112			Lbyy						Lateral
30	M76A	Standoff Ho...	5.188			Lbyy						Lateral
31	M77A	Platform Cr...	2.375			Lbyy						Lateral
32	M78	Platform Cr...	2.375			Lbyy						Lateral
33	M79A	Corner Plate	1.031			Lbyy						Lateral
34	M82	Grating Sup...	4.162			Lbyy						Lateral
35	M83A	Grating Sup...	4.162			Lbyy						Lateral
36	M87	Cross Arm ...	.219									Lateral
37	M88A	Cross Arm ...	.167									Lateral
38	M90	Corner Plate	.112			Lbyy						Lateral
39	M92A	Cross Arm ...	.219									Lateral
40	M93	Cross Arm ...	.167									Lateral
41	M95	Corner Plate	.112			Lbyy						Lateral
42	M82A	Face Horizo...	12.5			Lbyy						Lateral
43	M91B	Face Horizo...	12.5			Lbyy						Lateral
44	MP3C	P2.5 Mount ...	7			Lbyy						Lateral
45	MP4C	Mount Pipe	7			Lbyy						Lateral
46	MP2C	Mount Pipe	7			Lbyy						Lateral
47	MP1C	Mount Pipe	7			Lbyy						Lateral
48	MP3B	P2.5 Mount ...	7			Lbyy						Lateral
49	MP4B	Mount Pipe	7			Lbyy						Lateral
50	MP2B	Mount Pipe	7			Lbyy						Lateral
51	MP1B	Mount Pipe	7			Lbyy						Lateral
52	M104	Support Rail	12.5			Lbyy						Lateral
53	M109	Support Rail	12.5			Lbyy						Lateral
54	M114	Support Rail	12.5			Lbyy						Lateral
55	M125A	Conner Angle	1.393			Lbyy						Lateral
56	M126A	Conner Angle	1.393			Lbyy						Lateral
57	M127A	Conner Angle	1.393			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-23	1
2	MP3A	My	-.011	1
3	MP3A	Mz	.015	1
4	MP3A	Y	-23	5
5	MP3A	My	-.011	5
6	MP3A	Mz	.015	5
7	MP3B	Y	-23	1
8	MP3B	My	-.008	1
9	MP3B	Mz	-.018	1
10	MP3B	Y	-23	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP3B	My	-.008	5
12	MP3B	Mz	-.018	5
13	MP3C	Y	-23	1
14	MP3C	My	.019	1
15	MP3C	Mz	.002	1
16	MP3C	Y	-23	5
17	MP3C	My	.019	5
18	MP3C	Mz	.002	5
19	MP3A	Y	-23	1
20	MP3A	My	-.011	1
21	MP3A	Mz	-.015	1
22	MP3A	Y	-23	5
23	MP3A	My	-.011	5
24	MP3A	Mz	-.015	5
25	MP3B	Y	-23	1
26	MP3B	My	.019	1
27	MP3B	Mz	-.002	1
28	MP3B	Y	-23	5
29	MP3B	My	.019	5
30	MP3B	Mz	-.002	5
31	MP3C	Y	-23	1
32	MP3C	My	-.008	1
33	MP3C	Mz	.018	1
34	MP3C	Y	-23	5
35	MP3C	My	-.008	5
36	MP3C	Mz	.018	5
37	MP4A	Y	-43.55	2
38	MP4A	My	-.022	2
39	MP4A	Mz	0	2
40	MP4A	Y	-43.55	4
41	MP4A	My	-.022	4
42	MP4A	Mz	0	4
43	MP4B	Y	-43.55	2
44	MP4B	My	.011	2
45	MP4B	Mz	-.019	2
46	MP4B	Y	-43.55	4
47	MP4B	My	.011	4
48	MP4B	Mz	-.019	4
49	MP4C	Y	-43.55	2
50	MP4C	My	.011	2
51	MP4C	Mz	.019	2
52	MP4C	Y	-43.55	4
53	MP4C	My	.011	4
54	MP4C	Mz	.019	4
55	MP2A	Y	-84.4	3.5
56	MP2A	My	.042	3.5
57	MP2A	Mz	0	3.5
58	MP2B	Y	-84.4	3.5
59	MP2B	My	-.021	3.5
60	MP2B	Mz	.037	3.5
61	MP2C	Y	-84.4	3.5
62	MP2C	My	-.021	3.5
63	MP2C	Mz	-.037	3.5
64	MP3A	Y	-70.3	3.5
65	MP3A	My	.035	3.5
66	MP3A	Mz	0	3.5
67	MP3B	Y	-70.3	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP3B	My	-.018	3.5
69	MP3B	Mz	.03	3.5
70	MP3C	Y	-70.3	3.5
71	MP3C	My	-.018	3.5
72	MP3C	Mz	-.03	3.5
73	MP1A	Y	-8.5	.5
74	MP1A	My	-.004	.5
75	MP1A	Mz	0	.5
76	MP1A	Y	-8.5	5.5
77	MP1A	My	-.004	5.5
78	MP1A	Mz	0	5.5
79	MP1B	Y	-8.5	.5
80	MP1B	My	.002	.5
81	MP1B	Mz	-.004	.5
82	MP1B	Y	-8.5	5.5
83	MP1B	My	.002	5.5
84	MP1B	Mz	-.004	5.5
85	MP1C	Y	-8.5	.5
86	MP1C	My	.002	.5
87	MP1C	Mz	.004	.5
88	MP1C	Y	-8.5	5.5
89	MP1C	My	.002	5.5
90	MP1C	Mz	.004	5.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-82.451	1
2	MP3A	My	-.041	1
3	MP3A	Mz	.055	1
4	MP3A	Y	-82.451	5
5	MP3A	My	-.041	5
6	MP3A	Mz	.055	5
7	MP3B	Y	-82.451	1
8	MP3B	My	-.027	1
9	MP3B	Mz	-.063	1
10	MP3B	Y	-82.451	5
11	MP3B	My	-.027	5
12	MP3B	Mz	-.063	5
13	MP3C	Y	-82.451	1
14	MP3C	My	.068	1
15	MP3C	Mz	.008	1
16	MP3C	Y	-82.451	5
17	MP3C	My	.068	5
18	MP3C	Mz	.008	5
19	MP3A	Y	-82.451	1
20	MP3A	My	-.041	1
21	MP3A	Mz	-.055	1
22	MP3A	Y	-82.451	5
23	MP3A	My	-.041	5
24	MP3A	Mz	-.055	5
25	MP3B	Y	-82.451	1
26	MP3B	My	.068	1
27	MP3B	Mz	-.008	1
28	MP3B	Y	-82.451	5
29	MP3B	My	.068	5
30	MP3B	Mz	-.008	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP3C	Y	-82.451	1
32	MP3C	My	-.027	1
33	MP3C	Mz	.063	1
34	MP3C	Y	-82.451	5
35	MP3C	My	-.027	5
36	MP3C	Mz	.063	5
37	MP4A	Y	-35.607	2
38	MP4A	My	-.018	2
39	MP4A	Mz	0	2
40	MP4A	Y	-35.607	4
41	MP4A	My	-.018	4
42	MP4A	Mz	0	4
43	MP4B	Y	-35.607	2
44	MP4B	My	.009	2
45	MP4B	Mz	-.015	2
46	MP4B	Y	-35.607	4
47	MP4B	My	.009	4
48	MP4B	Mz	-.015	4
49	MP4C	Y	-35.607	2
50	MP4C	My	.009	2
51	MP4C	Mz	.015	2
52	MP4C	Y	-35.607	4
53	MP4C	My	.009	4
54	MP4C	Mz	.015	4
55	MP2A	Y	-44.892	3.5
56	MP2A	My	.022	3.5
57	MP2A	Mz	0	3.5
58	MP2B	Y	-44.892	3.5
59	MP2B	My	-.011	3.5
60	MP2B	Mz	.019	3.5
61	MP2C	Y	-44.892	3.5
62	MP2C	My	-.011	3.5
63	MP2C	Mz	-.019	3.5
64	MP3A	Y	-40.372	3.5
65	MP3A	My	.02	3.5
66	MP3A	Mz	0	3.5
67	MP3B	Y	-40.372	3.5
68	MP3B	My	-.01	3.5
69	MP3B	Mz	.017	3.5
70	MP3C	Y	-40.372	3.5
71	MP3C	My	-.01	3.5
72	MP3C	Mz	-.017	3.5
73	MP1A	Y	-51.745	.5
74	MP1A	My	-.026	.5
75	MP1A	Mz	0	.5
76	MP1A	Y	-51.745	5.5
77	MP1A	My	-.026	5.5
78	MP1A	Mz	0	5.5
79	MP1B	Y	-51.745	.5
80	MP1B	My	.013	.5
81	MP1B	Mz	-.022	.5
82	MP1B	Y	-51.745	5.5
83	MP1B	My	.013	5.5
84	MP1B	Mz	-.022	5.5
85	MP1C	Y	-51.745	.5
86	MP1C	My	.013	.5
87	MP1C	Mz	.022	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP1C	Y	-51.745	5.5
89	MP1C	My	.013	5.5
90	MP1C	Mz	.022	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	-233.98	1
3	MP3A	Mx	-.156	1
4	MP3A	X	0	5
5	MP3A	Z	-233.98	5
6	MP3A	Mx	-.156	5
7	MP3B	X	0	1
8	MP3B	Z	-188.961	1
9	MP3B	Mx	.145	1
10	MP3B	X	0	5
11	MP3B	Z	-188.961	5
12	MP3B	Mx	.145	5
13	MP3C	X	0	1
14	MP3C	Z	-188.961	1
15	MP3C	Mx	-.019	1
16	MP3C	X	0	5
17	MP3C	Z	-188.961	5
18	MP3C	Mx	-.019	5
19	MP3A	X	0	1
20	MP3A	Z	-233.98	1
21	MP3A	Mx	.156	1
22	MP3A	X	0	5
23	MP3A	Z	-233.98	5
24	MP3A	Mx	.156	5
25	MP3B	X	0	1
26	MP3B	Z	-188.961	1
27	MP3B	Mx	.019	1
28	MP3B	X	0	5
29	MP3B	Z	-188.961	5
30	MP3B	Mx	.019	5
31	MP3C	X	0	1
32	MP3C	Z	-188.961	1
33	MP3C	Mx	-.145	1
34	MP3C	X	0	5
35	MP3C	Z	-188.961	5
36	MP3C	Mx	-.145	5
37	MP4A	X	0	2
38	MP4A	Z	-111.419	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-111.419	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-60.57	2
45	MP4B	Mx	.026	2
46	MP4B	X	0	4
47	MP4B	Z	-60.57	4
48	MP4B	Mx	.026	4
49	MP4C	X	0	2
50	MP4C	Z	-60.57	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP4C	Mx	-.026	2
52	MP4C	X	0	4
53	MP4C	Z	-60.57	4
54	MP4C	Mx	-.026	4
55	MP2A	X	0	3.5
56	MP2A	Z	-88.661	3.5
57	MP2A	Mx	0	3.5
58	MP2B	X	0	3.5
59	MP2B	Z	-66.614	3.5
60	MP2B	Mx	-.029	3.5
61	MP2C	X	0	3.5
62	MP2C	Z	-66.614	3.5
63	MP2C	Mx	.029	3.5
64	MP3A	X	0	3.5
65	MP3A	Z	-88.661	3.5
66	MP3A	Mx	0	3.5
67	MP3B	X	0	3.5
68	MP3B	Z	-58.169	3.5
69	MP3B	Mx	-.025	3.5
70	MP3C	X	0	3.5
71	MP3C	Z	-58.169	3.5
72	MP3C	Mx	.025	3.5
73	MP1A	X	0	.5
74	MP1A	Z	-179.456	.5
75	MP1A	Mx	0	.5
76	MP1A	X	0	5.5
77	MP1A	Z	-179.456	5.5
78	MP1A	Mx	0	5.5
79	MP1B	X	0	.5
80	MP1B	Z	-118.794	.5
81	MP1B	Mx	.051	.5
82	MP1B	X	0	5.5
83	MP1B	Z	-118.794	5.5
84	MP1B	Mx	.051	5.5
85	MP1C	X	0	.5
86	MP1C	Z	-118.794	.5
87	MP1C	Mx	-.051	.5
88	MP1C	X	0	5.5
89	MP1C	Z	-118.794	5.5
90	MP1C	Mx	-.051	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	109.487	1
2	MP3A	Z	-189.637	1
3	MP3A	Mx	-.181	1
4	MP3A	X	109.487	5
5	MP3A	Z	-189.637	5
6	MP3A	Mx	-.181	5
7	MP3B	X	86.978	1
8	MP3B	Z	-150.65	1
9	MP3B	Mx	.087	1
10	MP3B	X	86.978	5
11	MP3B	Z	-150.65	5
12	MP3B	Mx	.087	5
13	MP3C	X	109.487	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP3C	Z	-189.637	1
15	MP3C	Mx	.072	1
16	MP3C	X	109.487	5
17	MP3C	Z	-189.637	5
18	MP3C	Mx	.072	5
19	MP3A	X	109.487	1
20	MP3A	Z	-189.637	1
21	MP3A	Mx	.072	1
22	MP3A	X	109.487	5
23	MP3A	Z	-189.637	5
24	MP3A	Mx	.072	5
25	MP3B	X	86.978	1
26	MP3B	Z	-150.65	1
27	MP3B	Mx	.087	1
28	MP3B	X	86.978	5
29	MP3B	Z	-150.65	5
30	MP3B	Mx	.087	5
31	MP3C	X	109.487	1
32	MP3C	Z	-189.637	1
33	MP3C	Mx	-.181	1
34	MP3C	X	109.487	5
35	MP3C	Z	-189.637	5
36	MP3C	Mx	-.181	5
37	MP4A	X	47.235	2
38	MP4A	Z	-81.813	2
39	MP4A	Mx	-.024	2
40	MP4A	X	47.235	4
41	MP4A	Z	-81.813	4
42	MP4A	Mx	-.024	4
43	MP4B	X	21.81	2
44	MP4B	Z	-37.776	2
45	MP4B	Mx	.022	2
46	MP4B	X	21.81	4
47	MP4B	Z	-37.776	4
48	MP4B	Mx	.022	4
49	MP4C	X	47.235	2
50	MP4C	Z	-81.813	2
51	MP4C	Mx	-.024	2
52	MP4C	X	47.235	4
53	MP4C	Z	-81.813	4
54	MP4C	Mx	-.024	4
55	MP2A	X	40.656	3.5
56	MP2A	Z	-70.419	3.5
57	MP2A	Mx	.02	3.5
58	MP2B	X	29.633	3.5
59	MP2B	Z	-51.325	3.5
60	MP2B	Mx	-.03	3.5
61	MP2C	X	40.656	3.5
62	MP2C	Z	-70.419	3.5
63	MP2C	Mx	.02	3.5
64	MP3A	X	39.249	3.5
65	MP3A	Z	-67.981	3.5
66	MP3A	Mx	.02	3.5
67	MP3B	X	24.003	3.5
68	MP3B	Z	-41.574	3.5
69	MP3B	Mx	-.024	3.5
70	MP3C	X	39.249	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP3C	Z	-67.981	3.5
72	MP3C	Mx	.02	3.5
73	MP1A	X	79.618	.5
74	MP1A	Z	-137.902	.5
75	MP1A	Mx	-.04	.5
76	MP1A	X	79.618	5.5
77	MP1A	Z	-137.902	5.5
78	MP1A	Mx	-.04	5.5
79	MP1B	X	49.286	.5
80	MP1B	Z	-85.367	.5
81	MP1B	Mx	.049	.5
82	MP1B	X	49.286	5.5
83	MP1B	Z	-85.367	5.5
84	MP1B	Mx	.049	5.5
85	MP1C	X	79.618	.5
86	MP1C	Z	-137.902	.5
87	MP1C	Mx	-.04	.5
88	MP1C	X	79.618	5.5
89	MP1C	Z	-137.902	5.5
90	MP1C	Mx	-.04	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	163.645	1
2	MP3A	Z	-94.481	1
3	MP3A	Mx	-.145	1
4	MP3A	X	163.645	5
5	MP3A	Z	-94.481	5
6	MP3A	Mx	-.145	5
7	MP3B	X	163.645	1
8	MP3B	Z	-94.481	1
9	MP3B	Mx	.019	1
10	MP3B	X	163.645	5
11	MP3B	Z	-94.481	5
12	MP3B	Mx	.019	5
13	MP3C	X	202.633	1
14	MP3C	Z	-116.99	1
15	MP3C	Mx	.156	1
16	MP3C	X	202.633	5
17	MP3C	Z	-116.99	5
18	MP3C	Mx	.156	5
19	MP3A	X	163.645	1
20	MP3A	Z	-94.481	1
21	MP3A	Mx	-.019	1
22	MP3A	X	163.645	5
23	MP3A	Z	-94.481	5
24	MP3A	Mx	-.019	5
25	MP3B	X	163.645	1
26	MP3B	Z	-94.481	1
27	MP3B	Mx	.145	1
28	MP3B	X	163.645	5
29	MP3B	Z	-94.481	5
30	MP3B	Mx	.145	5
31	MP3C	X	202.633	1
32	MP3C	Z	-116.99	1
33	MP3C	Mx	-.156	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3C	X	202.633	5
35	MP3C	Z	-116.99	5
36	MP3C	Mx	-.156	5
37	MP4A	X	52.455	2
38	MP4A	Z	-30.285	2
39	MP4A	Mx	-.026	2
40	MP4A	X	52.455	4
41	MP4A	Z	-30.285	4
42	MP4A	Mx	-.026	4
43	MP4B	X	52.455	2
44	MP4B	Z	-30.285	2
45	MP4B	Mx	.026	2
46	MP4B	X	52.455	4
47	MP4B	Z	-30.285	4
48	MP4B	Mx	.026	4
49	MP4C	X	96.492	2
50	MP4C	Z	-55.71	2
51	MP4C	Mx	0	2
52	MP4C	X	96.492	4
53	MP4C	Z	-55.71	4
54	MP4C	Mx	0	4
55	MP2A	X	57.69	3.5
56	MP2A	Z	-33.307	3.5
57	MP2A	Mx	.029	3.5
58	MP2B	X	57.69	3.5
59	MP2B	Z	-33.307	3.5
60	MP2B	Mx	-.029	3.5
61	MP2C	X	76.783	3.5
62	MP2C	Z	-44.331	3.5
63	MP2C	Mx	0	3.5
64	MP3A	X	50.376	3.5
65	MP3A	Z	-29.085	3.5
66	MP3A	Mx	.025	3.5
67	MP3B	X	50.376	3.5
68	MP3B	Z	-29.085	3.5
69	MP3B	Mx	-.025	3.5
70	MP3C	X	76.783	3.5
71	MP3C	Z	-44.331	3.5
72	MP3C	Mx	0	3.5
73	MP1A	X	102.878	.5
74	MP1A	Z	-59.397	.5
75	MP1A	Mx	-.051	.5
76	MP1A	X	102.878	5.5
77	MP1A	Z	-59.397	5.5
78	MP1A	Mx	-.051	5.5
79	MP1B	X	102.878	.5
80	MP1B	Z	-59.397	.5
81	MP1B	Mx	.051	.5
82	MP1B	X	102.878	5.5
83	MP1B	Z	-59.397	5.5
84	MP1B	Mx	.051	5.5
85	MP1C	X	155.413	.5
86	MP1C	Z	-89.728	.5
87	MP1C	Mx	0	.5
88	MP1C	X	155.413	5.5
89	MP1C	Z	-89.728	5.5
90	MP1C	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	173.955	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.087	1
4	MP3A	X	173.955	5
5	MP3A	Z	0	5
6	MP3A	Mx	-.087	5
7	MP3B	X	218.974	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.072	1
10	MP3B	X	218.974	5
11	MP3B	Z	0	5
12	MP3B	Mx	-.072	5
13	MP3C	X	218.974	1
14	MP3C	Z	0	1
15	MP3C	Mx	.181	1
16	MP3C	X	218.974	5
17	MP3C	Z	0	5
18	MP3C	Mx	.181	5
19	MP3A	X	173.955	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.087	1
22	MP3A	X	173.955	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.087	5
25	MP3B	X	218.974	1
26	MP3B	Z	0	1
27	MP3B	Mx	.181	1
28	MP3B	X	218.974	5
29	MP3B	Z	0	5
30	MP3B	Mx	.181	5
31	MP3C	X	218.974	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.072	1
34	MP3C	X	218.974	5
35	MP3C	Z	0	5
36	MP3C	Mx	-.072	5
37	MP4A	X	43.62	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.022	2
40	MP4A	X	43.62	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.022	4
43	MP4B	X	94.469	2
44	MP4B	Z	0	2
45	MP4B	Mx	.024	2
46	MP4B	X	94.469	4
47	MP4B	Z	0	4
48	MP4B	Mx	.024	4
49	MP4C	X	94.469	2
50	MP4C	Z	0	2
51	MP4C	Mx	.024	2
52	MP4C	X	94.469	4
53	MP4C	Z	0	4
54	MP4C	Mx	.024	4
55	MP2A	X	59.266	3.5
56	MP2A	Z	0	3.5
57	MP2A	Mx	.03	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	81.312	3.5
59	MP2B	Z	0	3.5
60	MP2B	Mx	-.02	3.5
61	MP2C	X	81.312	3.5
62	MP2C	Z	0	3.5
63	MP2C	Mx	-.02	3.5
64	MP3A	X	48.005	3.5
65	MP3A	Z	0	3.5
66	MP3A	Mx	.024	3.5
67	MP3B	X	78.497	3.5
68	MP3B	Z	0	3.5
69	MP3B	Mx	-.02	3.5
70	MP3C	X	78.497	3.5
71	MP3C	Z	0	3.5
72	MP3C	Mx	-.02	3.5
73	MP1A	X	98.573	.5
74	MP1A	Z	0	.5
75	MP1A	Mx	-.049	.5
76	MP1A	X	98.573	5.5
77	MP1A	Z	0	5.5
78	MP1A	Mx	-.049	5.5
79	MP1B	X	159.235	.5
80	MP1B	Z	0	.5
81	MP1B	Mx	.04	.5
82	MP1B	X	159.235	5.5
83	MP1B	Z	0	5.5
84	MP1B	Mx	.04	5.5
85	MP1C	X	159.235	.5
86	MP1C	Z	0	.5
87	MP1C	Mx	.04	.5
88	MP1C	X	159.235	5.5
89	MP1C	Z	0	5.5
90	MP1C	Mx	.04	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	163.645	1
2	MP3A	Z	94.481	1
3	MP3A	Mx	-.019	1
4	MP3A	X	163.645	5
5	MP3A	Z	94.481	5
6	MP3A	Mx	-.019	5
7	MP3B	X	202.633	1
8	MP3B	Z	116.99	1
9	MP3B	Mx	-.156	1
10	MP3B	X	202.633	5
11	MP3B	Z	116.99	5
12	MP3B	Mx	-.156	5
13	MP3C	X	163.645	1
14	MP3C	Z	94.481	1
15	MP3C	Mx	.145	1
16	MP3C	X	163.645	5
17	MP3C	Z	94.481	5
18	MP3C	Mx	.145	5
19	MP3A	X	163.645	1
20	MP3A	Z	94.481	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3A	Mx	-.145	1
22	MP3A	X	163.645	5
23	MP3A	Z	94.481	5
24	MP3A	Mx	-.145	5
25	MP3B	X	202.633	1
26	MP3B	Z	116.99	1
27	MP3B	Mx	.156	1
28	MP3B	X	202.633	5
29	MP3B	Z	116.99	5
30	MP3B	Mx	.156	5
31	MP3C	X	163.645	1
32	MP3C	Z	94.481	1
33	MP3C	Mx	.019	1
34	MP3C	X	163.645	5
35	MP3C	Z	94.481	5
36	MP3C	Mx	.019	5
37	MP4A	X	52.455	2
38	MP4A	Z	30.285	2
39	MP4A	Mx	-.026	2
40	MP4A	X	52.455	4
41	MP4A	Z	30.285	4
42	MP4A	Mx	-.026	4
43	MP4B	X	96.492	2
44	MP4B	Z	55.71	2
45	MP4B	Mx	0	2
46	MP4B	X	96.492	4
47	MP4B	Z	55.71	4
48	MP4B	Mx	0	4
49	MP4C	X	52.455	2
50	MP4C	Z	30.285	2
51	MP4C	Mx	.026	2
52	MP4C	X	52.455	4
53	MP4C	Z	30.285	4
54	MP4C	Mx	.026	4
55	MP2A	X	57.69	3.5
56	MP2A	Z	33.307	3.5
57	MP2A	Mx	.029	3.5
58	MP2B	X	76.783	3.5
59	MP2B	Z	44.331	3.5
60	MP2B	Mx	0	3.5
61	MP2C	X	57.69	3.5
62	MP2C	Z	33.307	3.5
63	MP2C	Mx	-.029	3.5
64	MP3A	X	50.376	3.5
65	MP3A	Z	29.085	3.5
66	MP3A	Mx	.025	3.5
67	MP3B	X	76.783	3.5
68	MP3B	Z	44.331	3.5
69	MP3B	Mx	0	3.5
70	MP3C	X	50.376	3.5
71	MP3C	Z	29.085	3.5
72	MP3C	Mx	-.025	3.5
73	MP1A	X	102.878	.5
74	MP1A	Z	59.397	.5
75	MP1A	Mx	-.051	.5
76	MP1A	X	102.878	5.5
77	MP1A	Z	59.397	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP1A	Mx	-.051	5.5
79	MP1B	X	155.413	.5
80	MP1B	Z	89.728	.5
81	MP1B	Mx	0	.5
82	MP1B	X	155.413	5.5
83	MP1B	Z	89.728	5.5
84	MP1B	Mx	0	5.5
85	MP1C	X	102.878	.5
86	MP1C	Z	59.397	.5
87	MP1C	Mx	.051	.5
88	MP1C	X	102.878	5.5
89	MP1C	Z	59.397	5.5
90	MP1C	Mx	.051	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	109.487	1
2	MP3A	Z	189.637	1
3	MP3A	Mx	.072	1
4	MP3A	X	109.487	5
5	MP3A	Z	189.637	5
6	MP3A	Mx	.072	5
7	MP3B	X	109.487	1
8	MP3B	Z	189.637	1
9	MP3B	Mx	-.181	1
10	MP3B	X	109.487	5
11	MP3B	Z	189.637	5
12	MP3B	Mx	-.181	5
13	MP3C	X	86.978	1
14	MP3C	Z	150.65	1
15	MP3C	Mx	.087	1
16	MP3C	X	86.978	5
17	MP3C	Z	150.65	5
18	MP3C	Mx	.087	5
19	MP3A	X	109.487	1
20	MP3A	Z	189.637	1
21	MP3A	Mx	-.181	1
22	MP3A	X	109.487	5
23	MP3A	Z	189.637	5
24	MP3A	Mx	-.181	5
25	MP3B	X	109.487	1
26	MP3B	Z	189.637	1
27	MP3B	Mx	.072	1
28	MP3B	X	109.487	5
29	MP3B	Z	189.637	5
30	MP3B	Mx	.072	5
31	MP3C	X	86.978	1
32	MP3C	Z	150.65	1
33	MP3C	Mx	.087	1
34	MP3C	X	86.978	5
35	MP3C	Z	150.65	5
36	MP3C	Mx	.087	5
37	MP4A	X	47.235	2
38	MP4A	Z	81.813	2
39	MP4A	Mx	-.024	2
40	MP4A	X	47.235	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	Z	81.813	4
42	MP4A	Mx	-.024	4
43	MP4B	X	47.235	2
44	MP4B	Z	81.813	2
45	MP4B	Mx	-.024	2
46	MP4B	X	47.235	4
47	MP4B	Z	81.813	4
48	MP4B	Mx	-.024	4
49	MP4C	X	21.81	2
50	MP4C	Z	37.776	2
51	MP4C	Mx	.022	2
52	MP4C	X	21.81	4
53	MP4C	Z	37.776	4
54	MP4C	Mx	.022	4
55	MP2A	X	40.656	3.5
56	MP2A	Z	70.419	3.5
57	MP2A	Mx	.02	3.5
58	MP2B	X	40.656	3.5
59	MP2B	Z	70.419	3.5
60	MP2B	Mx	.02	3.5
61	MP2C	X	29.633	3.5
62	MP2C	Z	51.325	3.5
63	MP2C	Mx	-.03	3.5
64	MP3A	X	39.249	3.5
65	MP3A	Z	67.981	3.5
66	MP3A	Mx	.02	3.5
67	MP3B	X	39.249	3.5
68	MP3B	Z	67.981	3.5
69	MP3B	Mx	.02	3.5
70	MP3C	X	24.003	3.5
71	MP3C	Z	41.574	3.5
72	MP3C	Mx	-.024	3.5
73	MP1A	X	79.618	.5
74	MP1A	Z	137.902	.5
75	MP1A	Mx	-.04	.5
76	MP1A	X	79.618	5.5
77	MP1A	Z	137.902	5.5
78	MP1A	Mx	-.04	5.5
79	MP1B	X	79.618	.5
80	MP1B	Z	137.902	.5
81	MP1B	Mx	-.04	.5
82	MP1B	X	79.618	5.5
83	MP1B	Z	137.902	5.5
84	MP1B	Mx	-.04	5.5
85	MP1C	X	49.286	.5
86	MP1C	Z	85.367	.5
87	MP1C	Mx	.049	.5
88	MP1C	X	49.286	5.5
89	MP1C	Z	85.367	5.5
90	MP1C	Mx	.049	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	233.98	1
3	MP3A	Mx	.156	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3A	X	0	5
5	MP3A	Z	233.98	5
6	MP3A	Mx	.156	5
7	MP3B	X	0	1
8	MP3B	Z	188.961	1
9	MP3B	Mx	-.145	1
10	MP3B	X	0	5
11	MP3B	Z	188.961	5
12	MP3B	Mx	-.145	5
13	MP3C	X	0	1
14	MP3C	Z	188.961	1
15	MP3C	Mx	.019	1
16	MP3C	X	0	5
17	MP3C	Z	188.961	5
18	MP3C	Mx	.019	5
19	MP3A	X	0	1
20	MP3A	Z	233.98	1
21	MP3A	Mx	-.156	1
22	MP3A	X	0	5
23	MP3A	Z	233.98	5
24	MP3A	Mx	-.156	5
25	MP3B	X	0	1
26	MP3B	Z	188.961	1
27	MP3B	Mx	-.019	1
28	MP3B	X	0	5
29	MP3B	Z	188.961	5
30	MP3B	Mx	-.019	5
31	MP3C	X	0	1
32	MP3C	Z	188.961	1
33	MP3C	Mx	.145	1
34	MP3C	X	0	5
35	MP3C	Z	188.961	5
36	MP3C	Mx	.145	5
37	MP4A	X	0	2
38	MP4A	Z	111.419	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	111.419	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	60.57	2
45	MP4B	Mx	-.026	2
46	MP4B	X	0	4
47	MP4B	Z	60.57	4
48	MP4B	Mx	-.026	4
49	MP4C	X	0	2
50	MP4C	Z	60.57	2
51	MP4C	Mx	.026	2
52	MP4C	X	0	4
53	MP4C	Z	60.57	4
54	MP4C	Mx	.026	4
55	MP2A	X	0	3.5
56	MP2A	Z	88.661	3.5
57	MP2A	Mx	0	3.5
58	MP2B	X	0	3.5
59	MP2B	Z	66.614	3.5
60	MP2B	Mx	.029	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2C	X	0	3.5
62	MP2C	Z	66.614	3.5
63	MP2C	Mx	-.029	3.5
64	MP3A	X	0	3.5
65	MP3A	Z	88.661	3.5
66	MP3A	Mx	0	3.5
67	MP3B	X	0	3.5
68	MP3B	Z	58.169	3.5
69	MP3B	Mx	.025	3.5
70	MP3C	X	0	3.5
71	MP3C	Z	58.169	3.5
72	MP3C	Mx	-.025	3.5
73	MP1A	X	0	.5
74	MP1A	Z	179.456	.5
75	MP1A	Mx	0	.5
76	MP1A	X	0	5.5
77	MP1A	Z	179.456	5.5
78	MP1A	Mx	0	5.5
79	MP1B	X	0	.5
80	MP1B	Z	118.794	.5
81	MP1B	Mx	-.051	.5
82	MP1B	X	0	5.5
83	MP1B	Z	118.794	5.5
84	MP1B	Mx	-.051	5.5
85	MP1C	X	0	.5
86	MP1C	Z	118.794	.5
87	MP1C	Mx	.051	.5
88	MP1C	X	0	5.5
89	MP1C	Z	118.794	5.5
90	MP1C	Mx	.051	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-109.487	1
2	MP3A	Z	189.637	1
3	MP3A	Mx	.181	1
4	MP3A	X	-109.487	5
5	MP3A	Z	189.637	5
6	MP3A	Mx	.181	5
7	MP3B	X	-86.978	1
8	MP3B	Z	150.65	1
9	MP3B	Mx	-.087	1
10	MP3B	X	-86.978	5
11	MP3B	Z	150.65	5
12	MP3B	Mx	-.087	5
13	MP3C	X	-109.487	1
14	MP3C	Z	189.637	1
15	MP3C	Mx	-.072	1
16	MP3C	X	-109.487	5
17	MP3C	Z	189.637	5
18	MP3C	Mx	-.072	5
19	MP3A	X	-109.487	1
20	MP3A	Z	189.637	1
21	MP3A	Mx	-.072	1
22	MP3A	X	-109.487	5
23	MP3A	Z	189.637	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3A	Mx	-.072	5
25	MP3B	X	-86.978	1
26	MP3B	Z	150.65	1
27	MP3B	Mx	-.087	1
28	MP3B	X	-86.978	5
29	MP3B	Z	150.65	5
30	MP3B	Mx	-.087	5
31	MP3C	X	-109.487	1
32	MP3C	Z	189.637	1
33	MP3C	Mx	.181	1
34	MP3C	X	-109.487	5
35	MP3C	Z	189.637	5
36	MP3C	Mx	.181	5
37	MP4A	X	-47.235	2
38	MP4A	Z	81.813	2
39	MP4A	Mx	.024	2
40	MP4A	X	-47.235	4
41	MP4A	Z	81.813	4
42	MP4A	Mx	.024	4
43	MP4B	X	-21.81	2
44	MP4B	Z	37.776	2
45	MP4B	Mx	-.022	2
46	MP4B	X	-21.81	4
47	MP4B	Z	37.776	4
48	MP4B	Mx	-.022	4
49	MP4C	X	-47.235	2
50	MP4C	Z	81.813	2
51	MP4C	Mx	.024	2
52	MP4C	X	-47.235	4
53	MP4C	Z	81.813	4
54	MP4C	Mx	.024	4
55	MP2A	X	-40.656	3.5
56	MP2A	Z	70.419	3.5
57	MP2A	Mx	-.02	3.5
58	MP2B	X	-29.633	3.5
59	MP2B	Z	51.325	3.5
60	MP2B	Mx	.03	3.5
61	MP2C	X	-40.656	3.5
62	MP2C	Z	70.419	3.5
63	MP2C	Mx	-.02	3.5
64	MP3A	X	-39.249	3.5
65	MP3A	Z	67.981	3.5
66	MP3A	Mx	-.02	3.5
67	MP3B	X	-24.003	3.5
68	MP3B	Z	41.574	3.5
69	MP3B	Mx	.024	3.5
70	MP3C	X	-39.249	3.5
71	MP3C	Z	67.981	3.5
72	MP3C	Mx	-.02	3.5
73	MP1A	X	-79.618	.5
74	MP1A	Z	137.902	.5
75	MP1A	Mx	.04	.5
76	MP1A	X	-79.618	5.5
77	MP1A	Z	137.902	5.5
78	MP1A	Mx	.04	5.5
79	MP1B	X	-49.286	.5
80	MP1B	Z	85.367	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1B	Mx	-.049	.5
82	MP1B	X	-49.286	5.5
83	MP1B	Z	85.367	5.5
84	MP1B	Mx	-.049	5.5
85	MP1C	X	-79.618	.5
86	MP1C	Z	137.902	.5
87	MP1C	Mx	.04	.5
88	MP1C	X	-79.618	5.5
89	MP1C	Z	137.902	5.5
90	MP1C	Mx	.04	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-163.645	1
2	MP3A	Z	94.481	1
3	MP3A	Mx	.145	1
4	MP3A	X	-163.645	5
5	MP3A	Z	94.481	5
6	MP3A	Mx	.145	5
7	MP3B	X	-163.645	1
8	MP3B	Z	94.481	1
9	MP3B	Mx	-.019	1
10	MP3B	X	-163.645	5
11	MP3B	Z	94.481	5
12	MP3B	Mx	-.019	5
13	MP3C	X	-202.633	1
14	MP3C	Z	116.99	1
15	MP3C	Mx	-.156	1
16	MP3C	X	-202.633	5
17	MP3C	Z	116.99	5
18	MP3C	Mx	-.156	5
19	MP3A	X	-163.645	1
20	MP3A	Z	94.481	1
21	MP3A	Mx	.019	1
22	MP3A	X	-163.645	5
23	MP3A	Z	94.481	5
24	MP3A	Mx	.019	5
25	MP3B	X	-163.645	1
26	MP3B	Z	94.481	1
27	MP3B	Mx	-.145	1
28	MP3B	X	-163.645	5
29	MP3B	Z	94.481	5
30	MP3B	Mx	-.145	5
31	MP3C	X	-202.633	1
32	MP3C	Z	116.99	1
33	MP3C	Mx	.156	1
34	MP3C	X	-202.633	5
35	MP3C	Z	116.99	5
36	MP3C	Mx	.156	5
37	MP4A	X	-52.455	2
38	MP4A	Z	30.285	2
39	MP4A	Mx	.026	2
40	MP4A	X	-52.455	4
41	MP4A	Z	30.285	4
42	MP4A	Mx	.026	4
43	MP4B	X	-52.455	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4B	Z	30.285	2
45	MP4B	Mx	-.026	2
46	MP4B	X	-52.455	4
47	MP4B	Z	30.285	4
48	MP4B	Mx	-.026	4
49	MP4C	X	-96.492	2
50	MP4C	Z	55.71	2
51	MP4C	Mx	0	2
52	MP4C	X	-96.492	4
53	MP4C	Z	55.71	4
54	MP4C	Mx	0	4
55	MP2A	X	-57.69	3.5
56	MP2A	Z	33.307	3.5
57	MP2A	Mx	-.029	3.5
58	MP2B	X	-57.69	3.5
59	MP2B	Z	33.307	3.5
60	MP2B	Mx	.029	3.5
61	MP2C	X	-76.783	3.5
62	MP2C	Z	44.331	3.5
63	MP2C	Mx	0	3.5
64	MP3A	X	-50.376	3.5
65	MP3A	Z	29.085	3.5
66	MP3A	Mx	-.025	3.5
67	MP3B	X	-50.376	3.5
68	MP3B	Z	29.085	3.5
69	MP3B	Mx	.025	3.5
70	MP3C	X	-76.783	3.5
71	MP3C	Z	44.331	3.5
72	MP3C	Mx	0	3.5
73	MP1A	X	-102.878	.5
74	MP1A	Z	59.397	.5
75	MP1A	Mx	.051	.5
76	MP1A	X	-102.878	5.5
77	MP1A	Z	59.397	5.5
78	MP1A	Mx	.051	5.5
79	MP1B	X	-102.878	.5
80	MP1B	Z	59.397	.5
81	MP1B	Mx	-.051	.5
82	MP1B	X	-102.878	5.5
83	MP1B	Z	59.397	5.5
84	MP1B	Mx	-.051	5.5
85	MP1C	X	-155.413	.5
86	MP1C	Z	89.728	.5
87	MP1C	Mx	0	.5
88	MP1C	X	-155.413	5.5
89	MP1C	Z	89.728	5.5
90	MP1C	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	-173.955	1
2	MP3A	Z	0	1
3	MP3A	Mx	.087	1
4	MP3A	X	-173.955	5
5	MP3A	Z	0	5
6	MP3A	Mx	.087	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP3B	X	-218.974	1
8	MP3B	Z	0	1
9	MP3B	Mx	.072	1
10	MP3B	X	-218.974	5
11	MP3B	Z	0	5
12	MP3B	Mx	.072	5
13	MP3C	X	-218.974	1
14	MP3C	Z	0	1
15	MP3C	Mx	-.181	1
16	MP3C	X	-218.974	5
17	MP3C	Z	0	5
18	MP3C	Mx	-.181	5
19	MP3A	X	-173.955	1
20	MP3A	Z	0	1
21	MP3A	Mx	.087	1
22	MP3A	X	-173.955	5
23	MP3A	Z	0	5
24	MP3A	Mx	.087	5
25	MP3B	X	-218.974	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.181	1
28	MP3B	X	-218.974	5
29	MP3B	Z	0	5
30	MP3B	Mx	-.181	5
31	MP3C	X	-218.974	1
32	MP3C	Z	0	1
33	MP3C	Mx	.072	1
34	MP3C	X	-218.974	5
35	MP3C	Z	0	5
36	MP3C	Mx	.072	5
37	MP4A	X	-43.62	2
38	MP4A	Z	0	2
39	MP4A	Mx	.022	2
40	MP4A	X	-43.62	4
41	MP4A	Z	0	4
42	MP4A	Mx	.022	4
43	MP4B	X	-94.469	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.024	2
46	MP4B	X	-94.469	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.024	4
49	MP4C	X	-94.469	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.024	2
52	MP4C	X	-94.469	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.024	4
55	MP2A	X	-59.266	3.5
56	MP2A	Z	0	3.5
57	MP2A	Mx	-.03	3.5
58	MP2B	X	-81.312	3.5
59	MP2B	Z	0	3.5
60	MP2B	Mx	.02	3.5
61	MP2C	X	-81.312	3.5
62	MP2C	Z	0	3.5
63	MP2C	Mx	.02	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP3A	X	-48.005	3.5
65	MP3A	Z	0	3.5
66	MP3A	Mx	-.024	3.5
67	MP3B	X	-78.497	3.5
68	MP3B	Z	0	3.5
69	MP3B	Mx	.02	3.5
70	MP3C	X	-78.497	3.5
71	MP3C	Z	0	3.5
72	MP3C	Mx	.02	3.5
73	MP1A	X	-98.573	.5
74	MP1A	Z	0	.5
75	MP1A	Mx	.049	.5
76	MP1A	X	-98.573	5.5
77	MP1A	Z	0	5.5
78	MP1A	Mx	.049	5.5
79	MP1B	X	-159.235	.5
80	MP1B	Z	0	.5
81	MP1B	Mx	-.04	.5
82	MP1B	X	-159.235	5.5
83	MP1B	Z	0	5.5
84	MP1B	Mx	-.04	5.5
85	MP1C	X	-159.235	.5
86	MP1C	Z	0	.5
87	MP1C	Mx	-.04	.5
88	MP1C	X	-159.235	5.5
89	MP1C	Z	0	5.5
90	MP1C	Mx	-.04	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-163.645	1
2	MP3A	Z	-94.481	1
3	MP3A	Mx	.019	1
4	MP3A	X	-163.645	5
5	MP3A	Z	-94.481	5
6	MP3A	Mx	.019	5
7	MP3B	X	-202.633	1
8	MP3B	Z	-116.99	1
9	MP3B	Mx	.156	1
10	MP3B	X	-202.633	5
11	MP3B	Z	-116.99	5
12	MP3B	Mx	.156	5
13	MP3C	X	-163.645	1
14	MP3C	Z	-94.481	1
15	MP3C	Mx	-.145	1
16	MP3C	X	-163.645	5
17	MP3C	Z	-94.481	5
18	MP3C	Mx	-.145	5
19	MP3A	X	-163.645	1
20	MP3A	Z	-94.481	1
21	MP3A	Mx	.145	1
22	MP3A	X	-163.645	5
23	MP3A	Z	-94.481	5
24	MP3A	Mx	.145	5
25	MP3B	X	-202.633	1
26	MP3B	Z	-116.99	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP3B	Mx	-.156	1
28	MP3B	X	-202.633	5
29	MP3B	Z	-116.99	5
30	MP3B	Mx	-.156	5
31	MP3C	X	-163.645	1
32	MP3C	Z	-94.481	1
33	MP3C	Mx	-.019	1
34	MP3C	X	-163.645	5
35	MP3C	Z	-94.481	5
36	MP3C	Mx	-.019	5
37	MP4A	X	-52.455	2
38	MP4A	Z	-30.285	2
39	MP4A	Mx	.026	2
40	MP4A	X	-52.455	4
41	MP4A	Z	-30.285	4
42	MP4A	Mx	.026	4
43	MP4B	X	-96.492	2
44	MP4B	Z	-55.71	2
45	MP4B	Mx	0	2
46	MP4B	X	-96.492	4
47	MP4B	Z	-55.71	4
48	MP4B	Mx	0	4
49	MP4C	X	-52.455	2
50	MP4C	Z	-30.285	2
51	MP4C	Mx	-.026	2
52	MP4C	X	-52.455	4
53	MP4C	Z	-30.285	4
54	MP4C	Mx	-.026	4
55	MP2A	X	-57.69	3.5
56	MP2A	Z	-33.307	3.5
57	MP2A	Mx	-.029	3.5
58	MP2B	X	-76.783	3.5
59	MP2B	Z	-44.331	3.5
60	MP2B	Mx	0	3.5
61	MP2C	X	-57.69	3.5
62	MP2C	Z	-33.307	3.5
63	MP2C	Mx	.029	3.5
64	MP3A	X	-50.376	3.5
65	MP3A	Z	-29.085	3.5
66	MP3A	Mx	-.025	3.5
67	MP3B	X	-76.783	3.5
68	MP3B	Z	-44.331	3.5
69	MP3B	Mx	0	3.5
70	MP3C	X	-50.376	3.5
71	MP3C	Z	-29.085	3.5
72	MP3C	Mx	.025	3.5
73	MP1A	X	-102.878	.5
74	MP1A	Z	-59.397	.5
75	MP1A	Mx	.051	.5
76	MP1A	X	-102.878	5.5
77	MP1A	Z	-59.397	5.5
78	MP1A	Mx	.051	5.5
79	MP1B	X	-155.413	.5
80	MP1B	Z	-89.728	.5
81	MP1B	Mx	0	.5
82	MP1B	X	-155.413	5.5
83	MP1B	Z	-89.728	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP1B	Mx	0	5.5
85	MP1C	X	-102.878	.5
86	MP1C	Z	-59.397	.5
87	MP1C	Mx	-.051	.5
88	MP1C	X	-102.878	5.5
89	MP1C	Z	-59.397	5.5
90	MP1C	Mx	-.051	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-109.487	1
2	MP3A	Z	-189.637	1
3	MP3A	Mx	-.072	1
4	MP3A	X	-109.487	5
5	MP3A	Z	-189.637	5
6	MP3A	Mx	-.072	5
7	MP3B	X	-109.487	1
8	MP3B	Z	-189.637	1
9	MP3B	Mx	.181	1
10	MP3B	X	-109.487	5
11	MP3B	Z	-189.637	5
12	MP3B	Mx	.181	5
13	MP3C	X	-86.978	1
14	MP3C	Z	-150.65	1
15	MP3C	Mx	-.087	1
16	MP3C	X	-86.978	5
17	MP3C	Z	-150.65	5
18	MP3C	Mx	-.087	5
19	MP3A	X	-109.487	1
20	MP3A	Z	-189.637	1
21	MP3A	Mx	.181	1
22	MP3A	X	-109.487	5
23	MP3A	Z	-189.637	5
24	MP3A	Mx	.181	5
25	MP3B	X	-109.487	1
26	MP3B	Z	-189.637	1
27	MP3B	Mx	-.072	1
28	MP3B	X	-109.487	5
29	MP3B	Z	-189.637	5
30	MP3B	Mx	-.072	5
31	MP3C	X	-86.978	1
32	MP3C	Z	-150.65	1
33	MP3C	Mx	-.087	1
34	MP3C	X	-86.978	5
35	MP3C	Z	-150.65	5
36	MP3C	Mx	-.087	5
37	MP4A	X	-47.235	2
38	MP4A	Z	-81.813	2
39	MP4A	Mx	.024	2
40	MP4A	X	-47.235	4
41	MP4A	Z	-81.813	4
42	MP4A	Mx	.024	4
43	MP4B	X	-47.235	2
44	MP4B	Z	-81.813	2
45	MP4B	Mx	.024	2
46	MP4B	X	-47.235	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP4B	Z	-81.813	4
48	MP4B	Mx	.024	4
49	MP4C	X	-21.81	2
50	MP4C	Z	-37.776	2
51	MP4C	Mx	-.022	2
52	MP4C	X	-21.81	4
53	MP4C	Z	-37.776	4
54	MP4C	Mx	-.022	4
55	MP2A	X	-40.656	3.5
56	MP2A	Z	-70.419	3.5
57	MP2A	Mx	-.02	3.5
58	MP2B	X	-40.656	3.5
59	MP2B	Z	-70.419	3.5
60	MP2B	Mx	-.02	3.5
61	MP2C	X	-29.633	3.5
62	MP2C	Z	-51.325	3.5
63	MP2C	Mx	.03	3.5
64	MP3A	X	-39.249	3.5
65	MP3A	Z	-67.981	3.5
66	MP3A	Mx	-.02	3.5
67	MP3B	X	-39.249	3.5
68	MP3B	Z	-67.981	3.5
69	MP3B	Mx	-.02	3.5
70	MP3C	X	-24.003	3.5
71	MP3C	Z	-41.574	3.5
72	MP3C	Mx	.024	3.5
73	MP1A	X	-79.618	.5
74	MP1A	Z	-137.902	.5
75	MP1A	Mx	.04	.5
76	MP1A	X	-79.618	5.5
77	MP1A	Z	-137.902	5.5
78	MP1A	Mx	.04	5.5
79	MP1B	X	-79.618	.5
80	MP1B	Z	-137.902	.5
81	MP1B	Mx	.04	.5
82	MP1B	X	-79.618	5.5
83	MP1B	Z	-137.902	5.5
84	MP1B	Mx	.04	5.5
85	MP1C	X	-49.286	.5
86	MP1C	Z	-85.367	.5
87	MP1C	Mx	-.049	.5
88	MP1C	X	-49.286	5.5
89	MP1C	Z	-85.367	5.5
90	MP1C	Mx	-.049	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	-39.547	1
3	MP3A	Mx	-.026	1
4	MP3A	X	0	5
5	MP3A	Z	-39.547	5
6	MP3A	Mx	-.026	5
7	MP3B	X	0	1
8	MP3B	Z	-32.325	1
9	MP3B	Mx	.025	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP3B	X	0	5
11	MP3B	Z	-32.325	5
12	MP3B	Mx	.025	5
13	MP3C	X	0	1
14	MP3C	Z	-32.325	1
15	MP3C	Mx	-.003	1
16	MP3C	X	0	5
17	MP3C	Z	-32.325	5
18	MP3C	Mx	-.003	5
19	MP3A	X	0	1
20	MP3A	Z	-39.547	1
21	MP3A	Mx	.026	1
22	MP3A	X	0	5
23	MP3A	Z	-39.547	5
24	MP3A	Mx	.026	5
25	MP3B	X	0	1
26	MP3B	Z	-32.325	1
27	MP3B	Mx	.003	1
28	MP3B	X	0	5
29	MP3B	Z	-32.325	5
30	MP3B	Mx	.003	5
31	MP3C	X	0	1
32	MP3C	Z	-32.325	1
33	MP3C	Mx	-.025	1
34	MP3C	X	0	5
35	MP3C	Z	-32.325	5
36	MP3C	Mx	-.025	5
37	MP4A	X	0	2
38	MP4A	Z	-19.51	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-19.51	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-11.11	2
45	MP4B	Mx	.005	2
46	MP4B	X	0	4
47	MP4B	Z	-11.11	4
48	MP4B	Mx	.005	4
49	MP4C	X	0	2
50	MP4C	Z	-11.11	2
51	MP4C	Mx	-.005	2
52	MP4C	X	0	4
53	MP4C	Z	-11.11	4
54	MP4C	Mx	-.005	4
55	MP2A	X	0	3.5
56	MP2A	Z	-16.443	3.5
57	MP2A	Mx	0	3.5
58	MP2B	X	0	3.5
59	MP2B	Z	-12.689	3.5
60	MP2B	Mx	-.005	3.5
61	MP2C	X	0	3.5
62	MP2C	Z	-12.689	3.5
63	MP2C	Mx	.005	3.5
64	MP3A	X	0	3.5
65	MP3A	Z	-16.443	3.5
66	MP3A	Mx	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP3B	X	0	3.5
68	MP3B	Z	-11.262	3.5
69	MP3B	Mx	-.005	3.5
70	MP3C	X	0	3.5
71	MP3C	Z	-11.262	3.5
72	MP3C	Mx	.005	3.5
73	MP1A	X	0	.5
74	MP1A	Z	-30.796	.5
75	MP1A	Mx	0	.5
76	MP1A	X	0	5.5
77	MP1A	Z	-30.796	5.5
78	MP1A	Mx	0	5.5
79	MP1B	X	0	.5
80	MP1B	Z	-21.229	.5
81	MP1B	Mx	.009	.5
82	MP1B	X	0	5.5
83	MP1B	Z	-21.229	5.5
84	MP1B	Mx	.009	5.5
85	MP1C	X	0	.5
86	MP1C	Z	-21.229	.5
87	MP1C	Mx	-.009	.5
88	MP1C	X	0	5.5
89	MP1C	Z	-21.229	5.5
90	MP1C	Mx	-.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	18.57	1
2	MP3A	Z	-32.164	1
3	MP3A	Mx	-.031	1
4	MP3A	X	18.57	5
5	MP3A	Z	-32.164	5
6	MP3A	Mx	-.031	5
7	MP3B	X	14.959	1
8	MP3B	Z	-25.909	1
9	MP3B	Mx	.015	1
10	MP3B	X	14.959	5
11	MP3B	Z	-25.909	5
12	MP3B	Mx	.015	5
13	MP3C	X	18.57	1
14	MP3C	Z	-32.164	1
15	MP3C	Mx	.012	1
16	MP3C	X	18.57	5
17	MP3C	Z	-32.164	5
18	MP3C	Mx	.012	5
19	MP3A	X	18.57	1
20	MP3A	Z	-32.164	1
21	MP3A	Mx	.012	1
22	MP3A	X	18.57	5
23	MP3A	Z	-32.164	5
24	MP3A	Mx	.012	5
25	MP3B	X	14.959	1
26	MP3B	Z	-25.909	1
27	MP3B	Mx	.015	1
28	MP3B	X	14.959	5
29	MP3B	Z	-25.909	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP3B	Mx	.015	5
31	MP3C	X	18.57	1
32	MP3C	Z	-32.164	1
33	MP3C	Mx	-.031	1
34	MP3C	X	18.57	5
35	MP3C	Z	-32.164	5
36	MP3C	Mx	-.031	5
37	MP4A	X	8.355	2
38	MP4A	Z	-14.471	2
39	MP4A	Mx	-.004	2
40	MP4A	X	8.355	4
41	MP4A	Z	-14.471	4
42	MP4A	Mx	-.004	4
43	MP4B	X	4.155	2
44	MP4B	Z	-7.197	2
45	MP4B	Mx	.004	2
46	MP4B	X	4.155	4
47	MP4B	Z	-7.197	4
48	MP4B	Mx	.004	4
49	MP4C	X	8.355	2
50	MP4C	Z	-14.471	2
51	MP4C	Mx	-.004	2
52	MP4C	X	8.355	4
53	MP4C	Z	-14.471	4
54	MP4C	Mx	-.004	4
55	MP2A	X	7.596	3.5
56	MP2A	Z	-13.156	3.5
57	MP2A	Mx	.004	3.5
58	MP2B	X	5.719	3.5
59	MP2B	Z	-9.905	3.5
60	MP2B	Mx	-.006	3.5
61	MP2C	X	7.596	3.5
62	MP2C	Z	-13.156	3.5
63	MP2C	Mx	.004	3.5
64	MP3A	X	7.358	3.5
65	MP3A	Z	-12.744	3.5
66	MP3A	Mx	.004	3.5
67	MP3B	X	4.768	3.5
68	MP3B	Z	-8.258	3.5
69	MP3B	Mx	-.005	3.5
70	MP3C	X	7.358	3.5
71	MP3C	Z	-12.744	3.5
72	MP3C	Mx	.004	3.5
73	MP1A	X	13.804	.5
74	MP1A	Z	-23.908	.5
75	MP1A	Mx	-.007	.5
76	MP1A	X	13.804	5.5
77	MP1A	Z	-23.908	5.5
78	MP1A	Mx	-.007	5.5
79	MP1B	X	9.02	.5
80	MP1B	Z	-15.623	.5
81	MP1B	Mx	.009	.5
82	MP1B	X	9.02	5.5
83	MP1B	Z	-15.623	5.5
84	MP1B	Mx	.009	5.5
85	MP1C	X	13.804	.5
86	MP1C	Z	-23.908	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP1C	Mx	-.007	.5
88	MP1C	X	13.804	5.5
89	MP1C	Z	-23.908	5.5
90	MP1C	Mx	-.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	27.994	1
2	MP3A	Z	-16.162	1
3	MP3A	Mx	-.025	1
4	MP3A	X	27.994	5
5	MP3A	Z	-16.162	5
6	MP3A	Mx	-.025	5
7	MP3B	X	27.994	1
8	MP3B	Z	-16.162	1
9	MP3B	Mx	.003	1
10	MP3B	X	27.994	5
11	MP3B	Z	-16.162	5
12	MP3B	Mx	.003	5
13	MP3C	X	34.249	1
14	MP3C	Z	-19.773	1
15	MP3C	Mx	.026	1
16	MP3C	X	34.249	5
17	MP3C	Z	-19.773	5
18	MP3C	Mx	.026	5
19	MP3A	X	27.994	1
20	MP3A	Z	-16.162	1
21	MP3A	Mx	-.003	1
22	MP3A	X	27.994	5
23	MP3A	Z	-16.162	5
24	MP3A	Mx	-.003	5
25	MP3B	X	27.994	1
26	MP3B	Z	-16.162	1
27	MP3B	Mx	.025	1
28	MP3B	X	27.994	5
29	MP3B	Z	-16.162	5
30	MP3B	Mx	.025	5
31	MP3C	X	34.249	1
32	MP3C	Z	-19.773	1
33	MP3C	Mx	-.026	1
34	MP3C	X	34.249	5
35	MP3C	Z	-19.773	5
36	MP3C	Mx	-.026	5
37	MP4A	X	9.622	2
38	MP4A	Z	-5.555	2
39	MP4A	Mx	-.005	2
40	MP4A	X	9.622	4
41	MP4A	Z	-5.555	4
42	MP4A	Mx	-.005	4
43	MP4B	X	9.622	2
44	MP4B	Z	-5.555	2
45	MP4B	Mx	.005	2
46	MP4B	X	9.622	4
47	MP4B	Z	-5.555	4
48	MP4B	Mx	.005	4
49	MP4C	X	16.896	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP4C	Z	-9.755	2
51	MP4C	Mx	0	2
52	MP4C	X	16.896	4
53	MP4C	Z	-9.755	4
54	MP4C	Mx	0	4
55	MP2A	X	10.989	3.5
56	MP2A	Z	-6.344	3.5
57	MP2A	Mx	.005	3.5
58	MP2B	X	10.989	3.5
59	MP2B	Z	-6.344	3.5
60	MP2B	Mx	-.005	3.5
61	MP2C	X	14.24	3.5
62	MP2C	Z	-8.221	3.5
63	MP2C	Mx	0	3.5
64	MP3A	X	9.753	3.5
65	MP3A	Z	-5.631	3.5
66	MP3A	Mx	.005	3.5
67	MP3B	X	9.753	3.5
68	MP3B	Z	-5.631	3.5
69	MP3B	Mx	-.005	3.5
70	MP3C	X	14.24	3.5
71	MP3C	Z	-8.221	3.5
72	MP3C	Mx	0	3.5
73	MP1A	X	18.385	.5
74	MP1A	Z	-10.614	.5
75	MP1A	Mx	-.009	.5
76	MP1A	X	18.385	5.5
77	MP1A	Z	-10.614	5.5
78	MP1A	Mx	-.009	5.5
79	MP1B	X	18.385	.5
80	MP1B	Z	-10.614	.5
81	MP1B	Mx	.009	.5
82	MP1B	X	18.385	5.5
83	MP1B	Z	-10.614	5.5
84	MP1B	Mx	.009	5.5
85	MP1C	X	26.67	.5
86	MP1C	Z	-15.398	.5
87	MP1C	Mx	0	.5
88	MP1C	X	26.67	5.5
89	MP1C	Z	-15.398	5.5
90	MP1C	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	29.917	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.015	1
4	MP3A	X	29.917	5
5	MP3A	Z	0	5
6	MP3A	Mx	-.015	5
7	MP3B	X	37.14	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.012	1
10	MP3B	X	37.14	5
11	MP3B	Z	0	5
12	MP3B	Mx	-.012	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3C	X	37.14	1
14	MP3C	Z	0	1
15	MP3C	Mx	.031	1
16	MP3C	X	37.14	5
17	MP3C	Z	0	5
18	MP3C	Mx	.031	5
19	MP3A	X	29.917	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.015	1
22	MP3A	X	29.917	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.015	5
25	MP3B	X	37.14	1
26	MP3B	Z	0	1
27	MP3B	Mx	.031	1
28	MP3B	X	37.14	5
29	MP3B	Z	0	5
30	MP3B	Mx	.031	5
31	MP3C	X	37.14	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.012	1
34	MP3C	X	37.14	5
35	MP3C	Z	0	5
36	MP3C	Mx	-.012	5
37	MP4A	X	8.31	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.004	2
40	MP4A	X	8.31	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.004	4
43	MP4B	X	16.71	2
44	MP4B	Z	0	2
45	MP4B	Mx	.004	2
46	MP4B	X	16.71	4
47	MP4B	Z	0	4
48	MP4B	Mx	.004	4
49	MP4C	X	16.71	2
50	MP4C	Z	0	2
51	MP4C	Mx	.004	2
52	MP4C	X	16.71	4
53	MP4C	Z	0	4
54	MP4C	Mx	.004	4
55	MP2A	X	11.437	3.5
56	MP2A	Z	0	3.5
57	MP2A	Mx	.006	3.5
58	MP2B	X	15.191	3.5
59	MP2B	Z	0	3.5
60	MP2B	Mx	-.004	3.5
61	MP2C	X	15.191	3.5
62	MP2C	Z	0	3.5
63	MP2C	Mx	-.004	3.5
64	MP3A	X	9.535	3.5
65	MP3A	Z	0	3.5
66	MP3A	Mx	.005	3.5
67	MP3B	X	14.716	3.5
68	MP3B	Z	0	3.5
69	MP3B	Mx	-.004	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP3C	X	14.716	3.5
71	MP3C	Z	0	3.5
72	MP3C	Mx	-.004	3.5
73	MP1A	X	18.04	.5
74	MP1A	Z	0	.5
75	MP1A	Mx	-.009	.5
76	MP1A	X	18.04	5.5
77	MP1A	Z	0	5.5
78	MP1A	Mx	-.009	5.5
79	MP1B	X	27.607	.5
80	MP1B	Z	0	.5
81	MP1B	Mx	.007	.5
82	MP1B	X	27.607	5.5
83	MP1B	Z	0	5.5
84	MP1B	Mx	.007	5.5
85	MP1C	X	27.607	.5
86	MP1C	Z	0	.5
87	MP1C	Mx	.007	.5
88	MP1C	X	27.607	5.5
89	MP1C	Z	0	5.5
90	MP1C	Mx	.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	27.994	1
2	MP3A	Z	16.162	1
3	MP3A	Mx	-.003	1
4	MP3A	X	27.994	5
5	MP3A	Z	16.162	5
6	MP3A	Mx	-.003	5
7	MP3B	X	34.249	1
8	MP3B	Z	19.773	1
9	MP3B	Mx	-.026	1
10	MP3B	X	34.249	5
11	MP3B	Z	19.773	5
12	MP3B	Mx	-.026	5
13	MP3C	X	27.994	1
14	MP3C	Z	16.162	1
15	MP3C	Mx	.025	1
16	MP3C	X	27.994	5
17	MP3C	Z	16.162	5
18	MP3C	Mx	.025	5
19	MP3A	X	27.994	1
20	MP3A	Z	16.162	1
21	MP3A	Mx	-.025	1
22	MP3A	X	27.994	5
23	MP3A	Z	16.162	5
24	MP3A	Mx	-.025	5
25	MP3B	X	34.249	1
26	MP3B	Z	19.773	1
27	MP3B	Mx	.026	1
28	MP3B	X	34.249	5
29	MP3B	Z	19.773	5
30	MP3B	Mx	.026	5
31	MP3C	X	27.994	1
32	MP3C	Z	16.162	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	.003	1
34	MP3C	X	27.994	5
35	MP3C	Z	16.162	5
36	MP3C	Mx	.003	5
37	MP4A	X	9.622	2
38	MP4A	Z	5.555	2
39	MP4A	Mx	-.005	2
40	MP4A	X	9.622	4
41	MP4A	Z	5.555	4
42	MP4A	Mx	-.005	4
43	MP4B	X	16.896	2
44	MP4B	Z	9.755	2
45	MP4B	Mx	0	2
46	MP4B	X	16.896	4
47	MP4B	Z	9.755	4
48	MP4B	Mx	0	4
49	MP4C	X	9.622	2
50	MP4C	Z	5.555	2
51	MP4C	Mx	.005	2
52	MP4C	X	9.622	4
53	MP4C	Z	5.555	4
54	MP4C	Mx	.005	4
55	MP2A	X	10.989	3.5
56	MP2A	Z	6.344	3.5
57	MP2A	Mx	.005	3.5
58	MP2B	X	14.24	3.5
59	MP2B	Z	8.221	3.5
60	MP2B	Mx	0	3.5
61	MP2C	X	10.989	3.5
62	MP2C	Z	6.344	3.5
63	MP2C	Mx	-.005	3.5
64	MP3A	X	9.753	3.5
65	MP3A	Z	5.631	3.5
66	MP3A	Mx	.005	3.5
67	MP3B	X	14.24	3.5
68	MP3B	Z	8.221	3.5
69	MP3B	Mx	0	3.5
70	MP3C	X	9.753	3.5
71	MP3C	Z	5.631	3.5
72	MP3C	Mx	-.005	3.5
73	MP1A	X	18.385	.5
74	MP1A	Z	10.614	.5
75	MP1A	Mx	-.009	.5
76	MP1A	X	18.385	5.5
77	MP1A	Z	10.614	5.5
78	MP1A	Mx	-.009	5.5
79	MP1B	X	26.67	.5
80	MP1B	Z	15.398	.5
81	MP1B	Mx	0	.5
82	MP1B	X	26.67	5.5
83	MP1B	Z	15.398	5.5
84	MP1B	Mx	0	5.5
85	MP1C	X	18.385	.5
86	MP1C	Z	10.614	.5
87	MP1C	Mx	.009	.5
88	MP1C	X	18.385	5.5
89	MP1C	Z	10.614	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1C	Mx	.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	18.57	1
2	MP3A	Z	32.164	1
3	MP3A	Mx	.012	1
4	MP3A	X	18.57	5
5	MP3A	Z	32.164	5
6	MP3A	Mx	.012	5
7	MP3B	X	18.57	1
8	MP3B	Z	32.164	1
9	MP3B	Mx	-.031	1
10	MP3B	X	18.57	5
11	MP3B	Z	32.164	5
12	MP3B	Mx	-.031	5
13	MP3C	X	14.959	1
14	MP3C	Z	25.909	1
15	MP3C	Mx	.015	1
16	MP3C	X	14.959	5
17	MP3C	Z	25.909	5
18	MP3C	Mx	.015	5
19	MP3A	X	18.57	1
20	MP3A	Z	32.164	1
21	MP3A	Mx	-.031	1
22	MP3A	X	18.57	5
23	MP3A	Z	32.164	5
24	MP3A	Mx	-.031	5
25	MP3B	X	18.57	1
26	MP3B	Z	32.164	1
27	MP3B	Mx	.012	1
28	MP3B	X	18.57	5
29	MP3B	Z	32.164	5
30	MP3B	Mx	.012	5
31	MP3C	X	14.959	1
32	MP3C	Z	25.909	1
33	MP3C	Mx	.015	1
34	MP3C	X	14.959	5
35	MP3C	Z	25.909	5
36	MP3C	Mx	.015	5
37	MP4A	X	8.355	2
38	MP4A	Z	14.471	2
39	MP4A	Mx	-.004	2
40	MP4A	X	8.355	4
41	MP4A	Z	14.471	4
42	MP4A	Mx	-.004	4
43	MP4B	X	8.355	2
44	MP4B	Z	14.471	2
45	MP4B	Mx	-.004	2
46	MP4B	X	8.355	4
47	MP4B	Z	14.471	4
48	MP4B	Mx	-.004	4
49	MP4C	X	4.155	2
50	MP4C	Z	7.197	2
51	MP4C	Mx	.004	2
52	MP4C	X	4.155	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	7.197	4
54	MP4C	Mx	.004	4
55	MP2A	X	7.596	3.5
56	MP2A	Z	13.156	3.5
57	MP2A	Mx	.004	3.5
58	MP2B	X	7.596	3.5
59	MP2B	Z	13.156	3.5
60	MP2B	Mx	.004	3.5
61	MP2C	X	5.719	3.5
62	MP2C	Z	9.905	3.5
63	MP2C	Mx	-.006	3.5
64	MP3A	X	7.358	3.5
65	MP3A	Z	12.744	3.5
66	MP3A	Mx	.004	3.5
67	MP3B	X	7.358	3.5
68	MP3B	Z	12.744	3.5
69	MP3B	Mx	.004	3.5
70	MP3C	X	4.768	3.5
71	MP3C	Z	8.258	3.5
72	MP3C	Mx	-.005	3.5
73	MP1A	X	13.804	.5
74	MP1A	Z	23.908	.5
75	MP1A	Mx	-.007	.5
76	MP1A	X	13.804	5.5
77	MP1A	Z	23.908	5.5
78	MP1A	Mx	-.007	5.5
79	MP1B	X	13.804	.5
80	MP1B	Z	23.908	.5
81	MP1B	Mx	-.007	.5
82	MP1B	X	13.804	5.5
83	MP1B	Z	23.908	5.5
84	MP1B	Mx	-.007	5.5
85	MP1C	X	9.02	.5
86	MP1C	Z	15.623	.5
87	MP1C	Mx	.009	.5
88	MP1C	X	9.02	5.5
89	MP1C	Z	15.623	5.5
90	MP1C	Mx	.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	39.547	1
3	MP3A	Mx	.026	1
4	MP3A	X	0	5
5	MP3A	Z	39.547	5
6	MP3A	Mx	.026	5
7	MP3B	X	0	1
8	MP3B	Z	32.325	1
9	MP3B	Mx	-.025	1
10	MP3B	X	0	5
11	MP3B	Z	32.325	5
12	MP3B	Mx	-.025	5
13	MP3C	X	0	1
14	MP3C	Z	32.325	1
15	MP3C	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3C	X	0	5
17	MP3C	Z	32.325	5
18	MP3C	Mx	.003	5
19	MP3A	X	0	1
20	MP3A	Z	39.547	1
21	MP3A	Mx	-.026	1
22	MP3A	X	0	5
23	MP3A	Z	39.547	5
24	MP3A	Mx	-.026	5
25	MP3B	X	0	1
26	MP3B	Z	32.325	1
27	MP3B	Mx	-.003	1
28	MP3B	X	0	5
29	MP3B	Z	32.325	5
30	MP3B	Mx	-.003	5
31	MP3C	X	0	1
32	MP3C	Z	32.325	1
33	MP3C	Mx	.025	1
34	MP3C	X	0	5
35	MP3C	Z	32.325	5
36	MP3C	Mx	.025	5
37	MP4A	X	0	2
38	MP4A	Z	19.51	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	19.51	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	11.11	2
45	MP4B	Mx	-.005	2
46	MP4B	X	0	4
47	MP4B	Z	11.11	4
48	MP4B	Mx	-.005	4
49	MP4C	X	0	2
50	MP4C	Z	11.11	2
51	MP4C	Mx	.005	2
52	MP4C	X	0	4
53	MP4C	Z	11.11	4
54	MP4C	Mx	.005	4
55	MP2A	X	0	3.5
56	MP2A	Z	16.443	3.5
57	MP2A	Mx	0	3.5
58	MP2B	X	0	3.5
59	MP2B	Z	12.689	3.5
60	MP2B	Mx	.005	3.5
61	MP2C	X	0	3.5
62	MP2C	Z	12.689	3.5
63	MP2C	Mx	-.005	3.5
64	MP3A	X	0	3.5
65	MP3A	Z	16.443	3.5
66	MP3A	Mx	0	3.5
67	MP3B	X	0	3.5
68	MP3B	Z	11.262	3.5
69	MP3B	Mx	.005	3.5
70	MP3C	X	0	3.5
71	MP3C	Z	11.262	3.5
72	MP3C	Mx	-.005	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP1A	X	0	.5
74	MP1A	Z	30.796	.5
75	MP1A	Mx	0	.5
76	MP1A	X	0	5.5
77	MP1A	Z	30.796	5.5
78	MP1A	Mx	0	5.5
79	MP1B	X	0	.5
80	MP1B	Z	21.229	.5
81	MP1B	Mx	-.009	.5
82	MP1B	X	0	5.5
83	MP1B	Z	21.229	5.5
84	MP1B	Mx	-.009	5.5
85	MP1C	X	0	.5
86	MP1C	Z	21.229	.5
87	MP1C	Mx	.009	.5
88	MP1C	X	0	5.5
89	MP1C	Z	21.229	5.5
90	MP1C	Mx	.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-18.57	1
2	MP3A	Z	32.164	1
3	MP3A	Mx	.031	1
4	MP3A	X	-18.57	5
5	MP3A	Z	32.164	5
6	MP3A	Mx	.031	5
7	MP3B	X	-14.959	1
8	MP3B	Z	25.909	1
9	MP3B	Mx	-.015	1
10	MP3B	X	-14.959	5
11	MP3B	Z	25.909	5
12	MP3B	Mx	-.015	5
13	MP3C	X	-18.57	1
14	MP3C	Z	32.164	1
15	MP3C	Mx	-.012	1
16	MP3C	X	-18.57	5
17	MP3C	Z	32.164	5
18	MP3C	Mx	-.012	5
19	MP3A	X	-18.57	1
20	MP3A	Z	32.164	1
21	MP3A	Mx	-.012	1
22	MP3A	X	-18.57	5
23	MP3A	Z	32.164	5
24	MP3A	Mx	-.012	5
25	MP3B	X	-14.959	1
26	MP3B	Z	25.909	1
27	MP3B	Mx	-.015	1
28	MP3B	X	-14.959	5
29	MP3B	Z	25.909	5
30	MP3B	Mx	-.015	5
31	MP3C	X	-18.57	1
32	MP3C	Z	32.164	1
33	MP3C	Mx	.031	1
34	MP3C	X	-18.57	5
35	MP3C	Z	32.164	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3C	Mx	.031	5
37	MP4A	X	-8.355	2
38	MP4A	Z	14.471	2
39	MP4A	Mx	.004	2
40	MP4A	X	-8.355	4
41	MP4A	Z	14.471	4
42	MP4A	Mx	.004	4
43	MP4B	X	-4.155	2
44	MP4B	Z	7.197	2
45	MP4B	Mx	-.004	2
46	MP4B	X	-4.155	4
47	MP4B	Z	7.197	4
48	MP4B	Mx	-.004	4
49	MP4C	X	-8.355	2
50	MP4C	Z	14.471	2
51	MP4C	Mx	.004	2
52	MP4C	X	-8.355	4
53	MP4C	Z	14.471	4
54	MP4C	Mx	.004	4
55	MP2A	X	-7.596	3.5
56	MP2A	Z	13.156	3.5
57	MP2A	Mx	-.004	3.5
58	MP2B	X	-5.719	3.5
59	MP2B	Z	9.905	3.5
60	MP2B	Mx	.006	3.5
61	MP2C	X	-7.596	3.5
62	MP2C	Z	13.156	3.5
63	MP2C	Mx	-.004	3.5
64	MP3A	X	-7.358	3.5
65	MP3A	Z	12.744	3.5
66	MP3A	Mx	-.004	3.5
67	MP3B	X	-4.768	3.5
68	MP3B	Z	8.258	3.5
69	MP3B	Mx	.005	3.5
70	MP3C	X	-7.358	3.5
71	MP3C	Z	12.744	3.5
72	MP3C	Mx	-.004	3.5
73	MP1A	X	-13.804	.5
74	MP1A	Z	23.908	.5
75	MP1A	Mx	.007	.5
76	MP1A	X	-13.804	5.5
77	MP1A	Z	23.908	5.5
78	MP1A	Mx	.007	5.5
79	MP1B	X	-9.02	.5
80	MP1B	Z	15.623	.5
81	MP1B	Mx	-.009	.5
82	MP1B	X	-9.02	5.5
83	MP1B	Z	15.623	5.5
84	MP1B	Mx	-.009	5.5
85	MP1C	X	-13.804	.5
86	MP1C	Z	23.908	.5
87	MP1C	Mx	.007	.5
88	MP1C	X	-13.804	5.5
89	MP1C	Z	23.908	5.5
90	MP1C	Mx	.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-27.994	1
2	MP3A	Z	16.162	1
3	MP3A	Mx	.025	1
4	MP3A	X	-27.994	5
5	MP3A	Z	16.162	5
6	MP3A	Mx	.025	5
7	MP3B	X	-27.994	1
8	MP3B	Z	16.162	1
9	MP3B	Mx	-.003	1
10	MP3B	X	-27.994	5
11	MP3B	Z	16.162	5
12	MP3B	Mx	-.003	5
13	MP3C	X	-34.249	1
14	MP3C	Z	19.773	1
15	MP3C	Mx	-.026	1
16	MP3C	X	-34.249	5
17	MP3C	Z	19.773	5
18	MP3C	Mx	-.026	5
19	MP3A	X	-27.994	1
20	MP3A	Z	16.162	1
21	MP3A	Mx	.003	1
22	MP3A	X	-27.994	5
23	MP3A	Z	16.162	5
24	MP3A	Mx	.003	5
25	MP3B	X	-27.994	1
26	MP3B	Z	16.162	1
27	MP3B	Mx	-.025	1
28	MP3B	X	-27.994	5
29	MP3B	Z	16.162	5
30	MP3B	Mx	-.025	5
31	MP3C	X	-34.249	1
32	MP3C	Z	19.773	1
33	MP3C	Mx	.026	1
34	MP3C	X	-34.249	5
35	MP3C	Z	19.773	5
36	MP3C	Mx	.026	5
37	MP4A	X	-9.622	2
38	MP4A	Z	5.555	2
39	MP4A	Mx	.005	2
40	MP4A	X	-9.622	4
41	MP4A	Z	5.555	4
42	MP4A	Mx	.005	4
43	MP4B	X	-9.622	2
44	MP4B	Z	5.555	2
45	MP4B	Mx	-.005	2
46	MP4B	X	-9.622	4
47	MP4B	Z	5.555	4
48	MP4B	Mx	-.005	4
49	MP4C	X	-16.896	2
50	MP4C	Z	9.755	2
51	MP4C	Mx	0	2
52	MP4C	X	-16.896	4
53	MP4C	Z	9.755	4
54	MP4C	Mx	0	4
55	MP2A	X	-10.989	3.5
56	MP2A	Z	6.344	3.5
57	MP2A	Mx	-.005	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-10.989	3.5
59	MP2B	Z	6.344	3.5
60	MP2B	Mx	.005	3.5
61	MP2C	X	-14.24	3.5
62	MP2C	Z	8.221	3.5
63	MP2C	Mx	0	3.5
64	MP3A	X	-9.753	3.5
65	MP3A	Z	5.631	3.5
66	MP3A	Mx	-.005	3.5
67	MP3B	X	-9.753	3.5
68	MP3B	Z	5.631	3.5
69	MP3B	Mx	.005	3.5
70	MP3C	X	-14.24	3.5
71	MP3C	Z	8.221	3.5
72	MP3C	Mx	0	3.5
73	MP1A	X	-18.385	.5
74	MP1A	Z	10.614	.5
75	MP1A	Mx	.009	.5
76	MP1A	X	-18.385	5.5
77	MP1A	Z	10.614	5.5
78	MP1A	Mx	.009	5.5
79	MP1B	X	-18.385	.5
80	MP1B	Z	10.614	.5
81	MP1B	Mx	-.009	.5
82	MP1B	X	-18.385	5.5
83	MP1B	Z	10.614	5.5
84	MP1B	Mx	-.009	5.5
85	MP1C	X	-26.67	.5
86	MP1C	Z	15.398	.5
87	MP1C	Mx	0	.5
88	MP1C	X	-26.67	5.5
89	MP1C	Z	15.398	5.5
90	MP1C	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	-29.917	1
2	MP3A	Z	0	1
3	MP3A	Mx	.015	1
4	MP3A	X	-29.917	5
5	MP3A	Z	0	5
6	MP3A	Mx	.015	5
7	MP3B	X	-37.14	1
8	MP3B	Z	0	1
9	MP3B	Mx	.012	1
10	MP3B	X	-37.14	5
11	MP3B	Z	0	5
12	MP3B	Mx	.012	5
13	MP3C	X	-37.14	1
14	MP3C	Z	0	1
15	MP3C	Mx	-.031	1
16	MP3C	X	-37.14	5
17	MP3C	Z	0	5
18	MP3C	Mx	-.031	5
19	MP3A	X	-29.917	1
20	MP3A	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3A	Mx	.015	1
22	MP3A	X	-29.917	5
23	MP3A	Z	0	5
24	MP3A	Mx	.015	5
25	MP3B	X	-37.14	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.031	1
28	MP3B	X	-37.14	5
29	MP3B	Z	0	5
30	MP3B	Mx	-.031	5
31	MP3C	X	-37.14	1
32	MP3C	Z	0	1
33	MP3C	Mx	.012	1
34	MP3C	X	-37.14	5
35	MP3C	Z	0	5
36	MP3C	Mx	.012	5
37	MP4A	X	-8.31	2
38	MP4A	Z	0	2
39	MP4A	Mx	.004	2
40	MP4A	X	-8.31	4
41	MP4A	Z	0	4
42	MP4A	Mx	.004	4
43	MP4B	X	-16.71	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.004	2
46	MP4B	X	-16.71	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.004	4
49	MP4C	X	-16.71	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.004	2
52	MP4C	X	-16.71	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.004	4
55	MP2A	X	-11.437	3.5
56	MP2A	Z	0	3.5
57	MP2A	Mx	-.006	3.5
58	MP2B	X	-15.191	3.5
59	MP2B	Z	0	3.5
60	MP2B	Mx	.004	3.5
61	MP2C	X	-15.191	3.5
62	MP2C	Z	0	3.5
63	MP2C	Mx	.004	3.5
64	MP3A	X	-9.535	3.5
65	MP3A	Z	0	3.5
66	MP3A	Mx	-.005	3.5
67	MP3B	X	-14.716	3.5
68	MP3B	Z	0	3.5
69	MP3B	Mx	.004	3.5
70	MP3C	X	-14.716	3.5
71	MP3C	Z	0	3.5
72	MP3C	Mx	.004	3.5
73	MP1A	X	-18.04	.5
74	MP1A	Z	0	.5
75	MP1A	Mx	.009	.5
76	MP1A	X	-18.04	5.5
77	MP1A	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP1A	Mx	.009	5.5
79	MP1B	X	-27.607	.5
80	MP1B	Z	0	.5
81	MP1B	Mx	-.007	.5
82	MP1B	X	-27.607	5.5
83	MP1B	Z	0	5.5
84	MP1B	Mx	-.007	5.5
85	MP1C	X	-27.607	.5
86	MP1C	Z	0	.5
87	MP1C	Mx	-.007	.5
88	MP1C	X	-27.607	5.5
89	MP1C	Z	0	5.5
90	MP1C	Mx	-.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-27.994	1
2	MP3A	Z	-16.162	1
3	MP3A	Mx	.003	1
4	MP3A	X	-27.994	5
5	MP3A	Z	-16.162	5
6	MP3A	Mx	.003	5
7	MP3B	X	-34.249	1
8	MP3B	Z	-19.773	1
9	MP3B	Mx	.026	1
10	MP3B	X	-34.249	5
11	MP3B	Z	-19.773	5
12	MP3B	Mx	.026	5
13	MP3C	X	-27.994	1
14	MP3C	Z	-16.162	1
15	MP3C	Mx	-.025	1
16	MP3C	X	-27.994	5
17	MP3C	Z	-16.162	5
18	MP3C	Mx	-.025	5
19	MP3A	X	-27.994	1
20	MP3A	Z	-16.162	1
21	MP3A	Mx	.025	1
22	MP3A	X	-27.994	5
23	MP3A	Z	-16.162	5
24	MP3A	Mx	.025	5
25	MP3B	X	-34.249	1
26	MP3B	Z	-19.773	1
27	MP3B	Mx	-.026	1
28	MP3B	X	-34.249	5
29	MP3B	Z	-19.773	5
30	MP3B	Mx	-.026	5
31	MP3C	X	-27.994	1
32	MP3C	Z	-16.162	1
33	MP3C	Mx	-.003	1
34	MP3C	X	-27.994	5
35	MP3C	Z	-16.162	5
36	MP3C	Mx	-.003	5
37	MP4A	X	-9.622	2
38	MP4A	Z	-5.555	2
39	MP4A	Mx	.005	2
40	MP4A	X	-9.622	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	Z	-5.555	4
42	MP4A	Mx	.005	4
43	MP4B	X	-16.896	2
44	MP4B	Z	-9.755	2
45	MP4B	Mx	0	2
46	MP4B	X	-16.896	4
47	MP4B	Z	-9.755	4
48	MP4B	Mx	0	4
49	MP4C	X	-9.622	2
50	MP4C	Z	-5.555	2
51	MP4C	Mx	-.005	2
52	MP4C	X	-9.622	4
53	MP4C	Z	-5.555	4
54	MP4C	Mx	-.005	4
55	MP2A	X	-10.989	3.5
56	MP2A	Z	-6.344	3.5
57	MP2A	Mx	-.005	3.5
58	MP2B	X	-14.24	3.5
59	MP2B	Z	-8.221	3.5
60	MP2B	Mx	0	3.5
61	MP2C	X	-10.989	3.5
62	MP2C	Z	-6.344	3.5
63	MP2C	Mx	.005	3.5
64	MP3A	X	-9.753	3.5
65	MP3A	Z	-5.631	3.5
66	MP3A	Mx	-.005	3.5
67	MP3B	X	-14.24	3.5
68	MP3B	Z	-8.221	3.5
69	MP3B	Mx	0	3.5
70	MP3C	X	-9.753	3.5
71	MP3C	Z	-5.631	3.5
72	MP3C	Mx	.005	3.5
73	MP1A	X	-18.385	.5
74	MP1A	Z	-10.614	.5
75	MP1A	Mx	.009	.5
76	MP1A	X	-18.385	5.5
77	MP1A	Z	-10.614	5.5
78	MP1A	Mx	.009	5.5
79	MP1B	X	-26.67	.5
80	MP1B	Z	-15.398	.5
81	MP1B	Mx	0	.5
82	MP1B	X	-26.67	5.5
83	MP1B	Z	-15.398	5.5
84	MP1B	Mx	0	5.5
85	MP1C	X	-18.385	.5
86	MP1C	Z	-10.614	.5
87	MP1C	Mx	-.009	.5
88	MP1C	X	-18.385	5.5
89	MP1C	Z	-10.614	5.5
90	MP1C	Mx	-.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-18.57	1
2	MP3A	Z	-32.164	1
3	MP3A	Mx	-.012	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3A	X	-18.57	5
5	MP3A	Z	-32.164	5
6	MP3A	Mx	-.012	5
7	MP3B	X	-18.57	1
8	MP3B	Z	-32.164	1
9	MP3B	Mx	.031	1
10	MP3B	X	-18.57	5
11	MP3B	Z	-32.164	5
12	MP3B	Mx	.031	5
13	MP3C	X	-14.959	1
14	MP3C	Z	-25.909	1
15	MP3C	Mx	-.015	1
16	MP3C	X	-14.959	5
17	MP3C	Z	-25.909	5
18	MP3C	Mx	-.015	5
19	MP3A	X	-18.57	1
20	MP3A	Z	-32.164	1
21	MP3A	Mx	.031	1
22	MP3A	X	-18.57	5
23	MP3A	Z	-32.164	5
24	MP3A	Mx	.031	5
25	MP3B	X	-18.57	1
26	MP3B	Z	-32.164	1
27	MP3B	Mx	-.012	1
28	MP3B	X	-18.57	5
29	MP3B	Z	-32.164	5
30	MP3B	Mx	-.012	5
31	MP3C	X	-14.959	1
32	MP3C	Z	-25.909	1
33	MP3C	Mx	-.015	1
34	MP3C	X	-14.959	5
35	MP3C	Z	-25.909	5
36	MP3C	Mx	-.015	5
37	MP4A	X	-8.355	2
38	MP4A	Z	-14.471	2
39	MP4A	Mx	.004	2
40	MP4A	X	-8.355	4
41	MP4A	Z	-14.471	4
42	MP4A	Mx	.004	4
43	MP4B	X	-8.355	2
44	MP4B	Z	-14.471	2
45	MP4B	Mx	.004	2
46	MP4B	X	-8.355	4
47	MP4B	Z	-14.471	4
48	MP4B	Mx	.004	4
49	MP4C	X	-4.155	2
50	MP4C	Z	-7.197	2
51	MP4C	Mx	-.004	2
52	MP4C	X	-4.155	4
53	MP4C	Z	-7.197	4
54	MP4C	Mx	-.004	4
55	MP2A	X	-7.596	3.5
56	MP2A	Z	-13.156	3.5
57	MP2A	Mx	-.004	3.5
58	MP2B	X	-7.596	3.5
59	MP2B	Z	-13.156	3.5
60	MP2B	Mx	-.004	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2C	X	-5.719	3.5
62	MP2C	Z	-9.905	3.5
63	MP2C	Mx	.006	3.5
64	MP3A	X	-7.358	3.5
65	MP3A	Z	-12.744	3.5
66	MP3A	Mx	-.004	3.5
67	MP3B	X	-7.358	3.5
68	MP3B	Z	-12.744	3.5
69	MP3B	Mx	-.004	3.5
70	MP3C	X	-4.768	3.5
71	MP3C	Z	-8.258	3.5
72	MP3C	Mx	.005	3.5
73	MP1A	X	-13.804	.5
74	MP1A	Z	-23.908	.5
75	MP1A	Mx	.007	.5
76	MP1A	X	-13.804	5.5
77	MP1A	Z	-23.908	5.5
78	MP1A	Mx	.007	5.5
79	MP1B	X	-13.804	.5
80	MP1B	Z	-23.908	.5
81	MP1B	Mx	.007	.5
82	MP1B	X	-13.804	5.5
83	MP1B	Z	-23.908	5.5
84	MP1B	Mx	.007	5.5
85	MP1C	X	-9.02	.5
86	MP1C	Z	-15.623	.5
87	MP1C	Mx	-.009	.5
88	MP1C	X	-9.02	5.5
89	MP1C	Z	-15.623	5.5
90	MP1C	Mx	-.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	-13.056	1
3	MP3A	Mx	-.009	1
4	MP3A	X	0	5
5	MP3A	Z	-13.056	5
6	MP3A	Mx	-.009	5
7	MP3B	X	0	1
8	MP3B	Z	-10.544	1
9	MP3B	Mx	.008	1
10	MP3B	X	0	5
11	MP3B	Z	-10.544	5
12	MP3B	Mx	.008	5
13	MP3C	X	0	1
14	MP3C	Z	-10.544	1
15	MP3C	Mx	-.001	1
16	MP3C	X	0	5
17	MP3C	Z	-10.544	5
18	MP3C	Mx	-.001	5
19	MP3A	X	0	1
20	MP3A	Z	-13.056	1
21	MP3A	Mx	.009	1
22	MP3A	X	0	5
23	MP3A	Z	-13.056	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3A	Mx	.009	5
25	MP3B	X	0	1
26	MP3B	Z	-10.544	1
27	MP3B	Mx	.001	1
28	MP3B	X	0	5
29	MP3B	Z	-10.544	5
30	MP3B	Mx	.001	5
31	MP3C	X	0	1
32	MP3C	Z	-10.544	1
33	MP3C	Mx	-.008	1
34	MP3C	X	0	5
35	MP3C	Z	-10.544	5
36	MP3C	Mx	-.008	5
37	MP4A	X	0	2
38	MP4A	Z	-6.217	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-6.217	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-3.38	2
45	MP4B	Mx	.001	2
46	MP4B	X	0	4
47	MP4B	Z	-3.38	4
48	MP4B	Mx	.001	4
49	MP4C	X	0	2
50	MP4C	Z	-3.38	2
51	MP4C	Mx	-.001	2
52	MP4C	X	0	4
53	MP4C	Z	-3.38	4
54	MP4C	Mx	-.001	4
55	MP2A	X	0	3.5
56	MP2A	Z	-4.947	3.5
57	MP2A	Mx	0	3.5
58	MP2B	X	0	3.5
59	MP2B	Z	-3.717	3.5
60	MP2B	Mx	-.002	3.5
61	MP2C	X	0	3.5
62	MP2C	Z	-3.717	3.5
63	MP2C	Mx	.002	3.5
64	MP3A	X	0	3.5
65	MP3A	Z	-4.947	3.5
66	MP3A	Mx	0	3.5
67	MP3B	X	0	3.5
68	MP3B	Z	-3.246	3.5
69	MP3B	Mx	-.001	3.5
70	MP3C	X	0	3.5
71	MP3C	Z	-3.246	3.5
72	MP3C	Mx	.001	3.5
73	MP1A	X	0	.5
74	MP1A	Z	-10.014	.5
75	MP1A	Mx	0	.5
76	MP1A	X	0	5.5
77	MP1A	Z	-10.014	5.5
78	MP1A	Mx	0	5.5
79	MP1B	X	0	.5
80	MP1B	Z	-6.629	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1B	Mx	.003	.5
82	MP1B	X	0	5.5
83	MP1B	Z	-6.629	5.5
84	MP1B	Mx	.003	5.5
85	MP1C	X	0	.5
86	MP1C	Z	-6.629	.5
87	MP1C	Mx	-.003	.5
88	MP1C	X	0	5.5
89	MP1C	Z	-6.629	5.5
90	MP1C	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.109	1
2	MP3A	Z	-10.582	1
3	MP3A	Mx	-.01	1
4	MP3A	X	6.109	5
5	MP3A	Z	-10.582	5
6	MP3A	Mx	-.01	5
7	MP3B	X	4.853	1
8	MP3B	Z	-8.406	1
9	MP3B	Mx	.005	1
10	MP3B	X	4.853	5
11	MP3B	Z	-8.406	5
12	MP3B	Mx	.005	5
13	MP3C	X	6.109	1
14	MP3C	Z	-10.582	1
15	MP3C	Mx	.004	1
16	MP3C	X	6.109	5
17	MP3C	Z	-10.582	5
18	MP3C	Mx	.004	5
19	MP3A	X	6.109	1
20	MP3A	Z	-10.582	1
21	MP3A	Mx	.004	1
22	MP3A	X	6.109	5
23	MP3A	Z	-10.582	5
24	MP3A	Mx	.004	5
25	MP3B	X	4.853	1
26	MP3B	Z	-8.406	1
27	MP3B	Mx	.005	1
28	MP3B	X	4.853	5
29	MP3B	Z	-8.406	5
30	MP3B	Mx	.005	5
31	MP3C	X	6.109	1
32	MP3C	Z	-10.582	1
33	MP3C	Mx	-.01	1
34	MP3C	X	6.109	5
35	MP3C	Z	-10.582	5
36	MP3C	Mx	-.01	5
37	MP4A	X	2.636	2
38	MP4A	Z	-4.565	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.636	4
41	MP4A	Z	-4.565	4
42	MP4A	Mx	-.001	4
43	MP4B	X	1.217	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4B	Z	-2.108	2
45	MP4B	Mx	.001	2
46	MP4B	X	1.217	4
47	MP4B	Z	-2.108	4
48	MP4B	Mx	.001	4
49	MP4C	X	2.636	2
50	MP4C	Z	-4.565	2
51	MP4C	Mx	-.001	2
52	MP4C	X	2.636	4
53	MP4C	Z	-4.565	4
54	MP4C	Mx	-.001	4
55	MP2A	X	2.269	3.5
56	MP2A	Z	-3.929	3.5
57	MP2A	Mx	.001	3.5
58	MP2B	X	1.654	3.5
59	MP2B	Z	-2.864	3.5
60	MP2B	Mx	-.002	3.5
61	MP2C	X	2.269	3.5
62	MP2C	Z	-3.929	3.5
63	MP2C	Mx	.001	3.5
64	MP3A	X	2.19	3.5
65	MP3A	Z	-3.793	3.5
66	MP3A	Mx	.001	3.5
67	MP3B	X	1.339	3.5
68	MP3B	Z	-2.32	3.5
69	MP3B	Mx	-.001	3.5
70	MP3C	X	2.19	3.5
71	MP3C	Z	-3.793	3.5
72	MP3C	Mx	.001	3.5
73	MP1A	X	4.443	.5
74	MP1A	Z	-7.695	.5
75	MP1A	Mx	-.002	.5
76	MP1A	X	4.443	5.5
77	MP1A	Z	-7.695	5.5
78	MP1A	Mx	-.002	5.5
79	MP1B	X	2.75	.5
80	MP1B	Z	-4.763	.5
81	MP1B	Mx	.003	.5
82	MP1B	X	2.75	5.5
83	MP1B	Z	-4.763	5.5
84	MP1B	Mx	.003	5.5
85	MP1C	X	4.443	.5
86	MP1C	Z	-7.695	.5
87	MP1C	Mx	-.002	.5
88	MP1C	X	4.443	5.5
89	MP1C	Z	-7.695	5.5
90	MP1C	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	9.131	1
2	MP3A	Z	-5.272	1
3	MP3A	Mx	-.008	1
4	MP3A	X	9.131	5
5	MP3A	Z	-5.272	5
6	MP3A	Mx	-.008	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP3B	X	9.131	1
8	MP3B	Z	-5.272	1
9	MP3B	Mx	.001	1
10	MP3B	X	9.131	5
11	MP3B	Z	-5.272	5
12	MP3B	Mx	.001	5
13	MP3C	X	11.307	1
14	MP3C	Z	-6.528	1
15	MP3C	Mx	.009	1
16	MP3C	X	11.307	5
17	MP3C	Z	-6.528	5
18	MP3C	Mx	.009	5
19	MP3A	X	9.131	1
20	MP3A	Z	-5.272	1
21	MP3A	Mx	-.001	1
22	MP3A	X	9.131	5
23	MP3A	Z	-5.272	5
24	MP3A	Mx	-.001	5
25	MP3B	X	9.131	1
26	MP3B	Z	-5.272	1
27	MP3B	Mx	.008	1
28	MP3B	X	9.131	5
29	MP3B	Z	-5.272	5
30	MP3B	Mx	.008	5
31	MP3C	X	11.307	1
32	MP3C	Z	-6.528	1
33	MP3C	Mx	-.009	1
34	MP3C	X	11.307	5
35	MP3C	Z	-6.528	5
36	MP3C	Mx	-.009	5
37	MP4A	X	2.927	2
38	MP4A	Z	-1.69	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.927	4
41	MP4A	Z	-1.69	4
42	MP4A	Mx	-.001	4
43	MP4B	X	2.927	2
44	MP4B	Z	-1.69	2
45	MP4B	Mx	.001	2
46	MP4B	X	2.927	4
47	MP4B	Z	-1.69	4
48	MP4B	Mx	.001	4
49	MP4C	X	5.384	2
50	MP4C	Z	-3.109	2
51	MP4C	Mx	0	2
52	MP4C	X	5.384	4
53	MP4C	Z	-3.109	4
54	MP4C	Mx	0	4
55	MP2A	X	3.219	3.5
56	MP2A	Z	-1.859	3.5
57	MP2A	Mx	.002	3.5
58	MP2B	X	3.219	3.5
59	MP2B	Z	-1.859	3.5
60	MP2B	Mx	-.002	3.5
61	MP2C	X	4.284	3.5
62	MP2C	Z	-2.474	3.5
63	MP2C	Mx	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP3A	X	2.811	3.5
65	MP3A	Z	-1.623	3.5
66	MP3A	Mx	.001	3.5
67	MP3B	X	2.811	3.5
68	MP3B	Z	-1.623	3.5
69	MP3B	Mx	-.001	3.5
70	MP3C	X	4.284	3.5
71	MP3C	Z	-2.474	3.5
72	MP3C	Mx	0	3.5
73	MP1A	X	5.741	.5
74	MP1A	Z	-3.314	.5
75	MP1A	Mx	-.003	.5
76	MP1A	X	5.741	5.5
77	MP1A	Z	-3.314	5.5
78	MP1A	Mx	-.003	5.5
79	MP1B	X	5.741	.5
80	MP1B	Z	-3.314	.5
81	MP1B	Mx	.003	.5
82	MP1B	X	5.741	5.5
83	MP1B	Z	-3.314	5.5
84	MP1B	Mx	.003	5.5
85	MP1C	X	8.672	.5
86	MP1C	Z	-5.007	.5
87	MP1C	Mx	0	.5
88	MP1C	X	8.672	5.5
89	MP1C	Z	-5.007	5.5
90	MP1C	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	9.707	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.005	1
4	MP3A	X	9.707	5
5	MP3A	Z	0	5
6	MP3A	Mx	-.005	5
7	MP3B	X	12.219	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.004	1
10	MP3B	X	12.219	5
11	MP3B	Z	0	5
12	MP3B	Mx	-.004	5
13	MP3C	X	12.219	1
14	MP3C	Z	0	1
15	MP3C	Mx	.01	1
16	MP3C	X	12.219	5
17	MP3C	Z	0	5
18	MP3C	Mx	.01	5
19	MP3A	X	9.707	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.005	1
22	MP3A	X	9.707	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.005	5
25	MP3B	X	12.219	1
26	MP3B	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP3B	Mx	.01	1
28	MP3B	X	12.219	5
29	MP3B	Z	0	5
30	MP3B	Mx	.01	5
31	MP3C	X	12.219	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.004	1
34	MP3C	X	12.219	5
35	MP3C	Z	0	5
36	MP3C	Mx	-.004	5
37	MP4A	X	2.434	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.434	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.001	4
43	MP4B	X	5.271	2
44	MP4B	Z	0	2
45	MP4B	Mx	.001	2
46	MP4B	X	5.271	4
47	MP4B	Z	0	4
48	MP4B	Mx	.001	4
49	MP4C	X	5.271	2
50	MP4C	Z	0	2
51	MP4C	Mx	.001	2
52	MP4C	X	5.271	4
53	MP4C	Z	0	4
54	MP4C	Mx	.001	4
55	MP2A	X	3.307	3.5
56	MP2A	Z	0	3.5
57	MP2A	Mx	.002	3.5
58	MP2B	X	4.537	3.5
59	MP2B	Z	0	3.5
60	MP2B	Mx	-.001	3.5
61	MP2C	X	4.537	3.5
62	MP2C	Z	0	3.5
63	MP2C	Mx	-.001	3.5
64	MP3A	X	2.679	3.5
65	MP3A	Z	0	3.5
66	MP3A	Mx	.001	3.5
67	MP3B	X	4.38	3.5
68	MP3B	Z	0	3.5
69	MP3B	Mx	-.001	3.5
70	MP3C	X	4.38	3.5
71	MP3C	Z	0	3.5
72	MP3C	Mx	-.001	3.5
73	MP1A	X	5.5	.5
74	MP1A	Z	0	.5
75	MP1A	Mx	-.003	.5
76	MP1A	X	5.5	5.5
77	MP1A	Z	0	5.5
78	MP1A	Mx	-.003	5.5
79	MP1B	X	8.885	.5
80	MP1B	Z	0	.5
81	MP1B	Mx	.002	.5
82	MP1B	X	8.885	5.5
83	MP1B	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP1B	Mx	.002	5.5
85	MP1C	X	8.885	.5
86	MP1C	Z	0	.5
87	MP1C	Mx	.002	.5
88	MP1C	X	8.885	5.5
89	MP1C	Z	0	5.5
90	MP1C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	9.131	1
2	MP3A	Z	5.272	1
3	MP3A	Mx	-.001	1
4	MP3A	X	9.131	5
5	MP3A	Z	5.272	5
6	MP3A	Mx	-.001	5
7	MP3B	X	11.307	1
8	MP3B	Z	6.528	1
9	MP3B	Mx	-.009	1
10	MP3B	X	11.307	5
11	MP3B	Z	6.528	5
12	MP3B	Mx	-.009	5
13	MP3C	X	9.131	1
14	MP3C	Z	5.272	1
15	MP3C	Mx	.008	1
16	MP3C	X	9.131	5
17	MP3C	Z	5.272	5
18	MP3C	Mx	.008	5
19	MP3A	X	9.131	1
20	MP3A	Z	5.272	1
21	MP3A	Mx	-.008	1
22	MP3A	X	9.131	5
23	MP3A	Z	5.272	5
24	MP3A	Mx	-.008	5
25	MP3B	X	11.307	1
26	MP3B	Z	6.528	1
27	MP3B	Mx	.009	1
28	MP3B	X	11.307	5
29	MP3B	Z	6.528	5
30	MP3B	Mx	.009	5
31	MP3C	X	9.131	1
32	MP3C	Z	5.272	1
33	MP3C	Mx	.001	1
34	MP3C	X	9.131	5
35	MP3C	Z	5.272	5
36	MP3C	Mx	.001	5
37	MP4A	X	2.927	2
38	MP4A	Z	1.69	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.927	4
41	MP4A	Z	1.69	4
42	MP4A	Mx	-.001	4
43	MP4B	X	5.384	2
44	MP4B	Z	3.109	2
45	MP4B	Mx	0	2
46	MP4B	X	5.384	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP4B	Z	3.109	4
48	MP4B	Mx	0	4
49	MP4C	X	2.927	2
50	MP4C	Z	1.69	2
51	MP4C	Mx	.001	2
52	MP4C	X	2.927	4
53	MP4C	Z	1.69	4
54	MP4C	Mx	.001	4
55	MP2A	X	3.219	3.5
56	MP2A	Z	1.859	3.5
57	MP2A	Mx	.002	3.5
58	MP2B	X	4.284	3.5
59	MP2B	Z	2.474	3.5
60	MP2B	Mx	0	3.5
61	MP2C	X	3.219	3.5
62	MP2C	Z	1.859	3.5
63	MP2C	Mx	-.002	3.5
64	MP3A	X	2.811	3.5
65	MP3A	Z	1.623	3.5
66	MP3A	Mx	.001	3.5
67	MP3B	X	4.284	3.5
68	MP3B	Z	2.474	3.5
69	MP3B	Mx	0	3.5
70	MP3C	X	2.811	3.5
71	MP3C	Z	1.623	3.5
72	MP3C	Mx	-.001	3.5
73	MP1A	X	5.741	.5
74	MP1A	Z	3.314	.5
75	MP1A	Mx	-.003	.5
76	MP1A	X	5.741	5.5
77	MP1A	Z	3.314	5.5
78	MP1A	Mx	-.003	5.5
79	MP1B	X	8.672	.5
80	MP1B	Z	5.007	.5
81	MP1B	Mx	0	.5
82	MP1B	X	8.672	5.5
83	MP1B	Z	5.007	5.5
84	MP1B	Mx	0	5.5
85	MP1C	X	5.741	.5
86	MP1C	Z	3.314	.5
87	MP1C	Mx	.003	.5
88	MP1C	X	5.741	5.5
89	MP1C	Z	3.314	5.5
90	MP1C	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.109	1
2	MP3A	Z	10.582	1
3	MP3A	Mx	.004	1
4	MP3A	X	6.109	5
5	MP3A	Z	10.582	5
6	MP3A	Mx	.004	5
7	MP3B	X	6.109	1
8	MP3B	Z	10.582	1
9	MP3B	Mx	-.01	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP3B	X	6.109	5
11	MP3B	Z	10.582	5
12	MP3B	Mx	-.01	5
13	MP3C	X	4.853	1
14	MP3C	Z	8.406	1
15	MP3C	Mx	.005	1
16	MP3C	X	4.853	5
17	MP3C	Z	8.406	5
18	MP3C	Mx	.005	5
19	MP3A	X	6.109	1
20	MP3A	Z	10.582	1
21	MP3A	Mx	-.01	1
22	MP3A	X	6.109	5
23	MP3A	Z	10.582	5
24	MP3A	Mx	-.01	5
25	MP3B	X	6.109	1
26	MP3B	Z	10.582	1
27	MP3B	Mx	.004	1
28	MP3B	X	6.109	5
29	MP3B	Z	10.582	5
30	MP3B	Mx	.004	5
31	MP3C	X	4.853	1
32	MP3C	Z	8.406	1
33	MP3C	Mx	.005	1
34	MP3C	X	4.853	5
35	MP3C	Z	8.406	5
36	MP3C	Mx	.005	5
37	MP4A	X	2.636	2
38	MP4A	Z	4.565	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.636	4
41	MP4A	Z	4.565	4
42	MP4A	Mx	-.001	4
43	MP4B	X	2.636	2
44	MP4B	Z	4.565	2
45	MP4B	Mx	-.001	2
46	MP4B	X	2.636	4
47	MP4B	Z	4.565	4
48	MP4B	Mx	-.001	4
49	MP4C	X	1.217	2
50	MP4C	Z	2.108	2
51	MP4C	Mx	.001	2
52	MP4C	X	1.217	4
53	MP4C	Z	2.108	4
54	MP4C	Mx	.001	4
55	MP2A	X	2.269	3.5
56	MP2A	Z	3.929	3.5
57	MP2A	Mx	.001	3.5
58	MP2B	X	2.269	3.5
59	MP2B	Z	3.929	3.5
60	MP2B	Mx	.001	3.5
61	MP2C	X	1.654	3.5
62	MP2C	Z	2.864	3.5
63	MP2C	Mx	-.002	3.5
64	MP3A	X	2.19	3.5
65	MP3A	Z	3.793	3.5
66	MP3A	Mx	.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP3B	X	2.19	3.5
68	MP3B	Z	3.793	3.5
69	MP3B	Mx	.001	3.5
70	MP3C	X	1.339	3.5
71	MP3C	Z	2.32	3.5
72	MP3C	Mx	-.001	3.5
73	MP1A	X	4.443	.5
74	MP1A	Z	7.695	.5
75	MP1A	Mx	-.002	.5
76	MP1A	X	4.443	5.5
77	MP1A	Z	7.695	5.5
78	MP1A	Mx	-.002	5.5
79	MP1B	X	4.443	.5
80	MP1B	Z	7.695	.5
81	MP1B	Mx	-.002	.5
82	MP1B	X	4.443	5.5
83	MP1B	Z	7.695	5.5
84	MP1B	Mx	-.002	5.5
85	MP1C	X	2.75	.5
86	MP1C	Z	4.763	.5
87	MP1C	Mx	.003	.5
88	MP1C	X	2.75	5.5
89	MP1C	Z	4.763	5.5
90	MP1C	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	13.056	1
3	MP3A	Mx	.009	1
4	MP3A	X	0	5
5	MP3A	Z	13.056	5
6	MP3A	Mx	.009	5
7	MP3B	X	0	1
8	MP3B	Z	10.544	1
9	MP3B	Mx	-.008	1
10	MP3B	X	0	5
11	MP3B	Z	10.544	5
12	MP3B	Mx	-.008	5
13	MP3C	X	0	1
14	MP3C	Z	10.544	1
15	MP3C	Mx	.001	1
16	MP3C	X	0	5
17	MP3C	Z	10.544	5
18	MP3C	Mx	.001	5
19	MP3A	X	0	1
20	MP3A	Z	13.056	1
21	MP3A	Mx	-.009	1
22	MP3A	X	0	5
23	MP3A	Z	13.056	5
24	MP3A	Mx	-.009	5
25	MP3B	X	0	1
26	MP3B	Z	10.544	1
27	MP3B	Mx	-.001	1
28	MP3B	X	0	5
29	MP3B	Z	10.544	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP3B	Mx	-.001	5
31	MP3C	X	0	1
32	MP3C	Z	10.544	1
33	MP3C	Mx	.008	1
34	MP3C	X	0	5
35	MP3C	Z	10.544	5
36	MP3C	Mx	.008	5
37	MP4A	X	0	2
38	MP4A	Z	6.217	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	6.217	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	3.38	2
45	MP4B	Mx	-.001	2
46	MP4B	X	0	4
47	MP4B	Z	3.38	4
48	MP4B	Mx	-.001	4
49	MP4C	X	0	2
50	MP4C	Z	3.38	2
51	MP4C	Mx	.001	2
52	MP4C	X	0	4
53	MP4C	Z	3.38	4
54	MP4C	Mx	.001	4
55	MP2A	X	0	3.5
56	MP2A	Z	4.947	3.5
57	MP2A	Mx	0	3.5
58	MP2B	X	0	3.5
59	MP2B	Z	3.717	3.5
60	MP2B	Mx	.002	3.5
61	MP2C	X	0	3.5
62	MP2C	Z	3.717	3.5
63	MP2C	Mx	-.002	3.5
64	MP3A	X	0	3.5
65	MP3A	Z	4.947	3.5
66	MP3A	Mx	0	3.5
67	MP3B	X	0	3.5
68	MP3B	Z	3.246	3.5
69	MP3B	Mx	.001	3.5
70	MP3C	X	0	3.5
71	MP3C	Z	3.246	3.5
72	MP3C	Mx	-.001	3.5
73	MP1A	X	0	.5
74	MP1A	Z	10.014	.5
75	MP1A	Mx	0	.5
76	MP1A	X	0	5.5
77	MP1A	Z	10.014	5.5
78	MP1A	Mx	0	5.5
79	MP1B	X	0	.5
80	MP1B	Z	6.629	.5
81	MP1B	Mx	-.003	.5
82	MP1B	X	0	5.5
83	MP1B	Z	6.629	5.5
84	MP1B	Mx	-.003	5.5
85	MP1C	X	0	.5
86	MP1C	Z	6.629	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP1C	Mx	.003	.5
88	MP1C	X	0	5.5
89	MP1C	Z	6.629	5.5
90	MP1C	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.109	1
2	MP3A	Z	10.582	1
3	MP3A	Mx	.01	1
4	MP3A	X	-6.109	5
5	MP3A	Z	10.582	5
6	MP3A	Mx	.01	5
7	MP3B	X	-4.853	1
8	MP3B	Z	8.406	1
9	MP3B	Mx	-.005	1
10	MP3B	X	-4.853	5
11	MP3B	Z	8.406	5
12	MP3B	Mx	-.005	5
13	MP3C	X	-6.109	1
14	MP3C	Z	10.582	1
15	MP3C	Mx	-.004	1
16	MP3C	X	-6.109	5
17	MP3C	Z	10.582	5
18	MP3C	Mx	-.004	5
19	MP3A	X	-6.109	1
20	MP3A	Z	10.582	1
21	MP3A	Mx	-.004	1
22	MP3A	X	-6.109	5
23	MP3A	Z	10.582	5
24	MP3A	Mx	-.004	5
25	MP3B	X	-4.853	1
26	MP3B	Z	8.406	1
27	MP3B	Mx	-.005	1
28	MP3B	X	-4.853	5
29	MP3B	Z	8.406	5
30	MP3B	Mx	-.005	5
31	MP3C	X	-6.109	1
32	MP3C	Z	10.582	1
33	MP3C	Mx	.01	1
34	MP3C	X	-6.109	5
35	MP3C	Z	10.582	5
36	MP3C	Mx	.01	5
37	MP4A	X	-2.636	2
38	MP4A	Z	4.565	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.636	4
41	MP4A	Z	4.565	4
42	MP4A	Mx	.001	4
43	MP4B	X	-1.217	2
44	MP4B	Z	2.108	2
45	MP4B	Mx	-.001	2
46	MP4B	X	-1.217	4
47	MP4B	Z	2.108	4
48	MP4B	Mx	-.001	4
49	MP4C	X	-2.636	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP4C	Z	4.565	2
51	MP4C	Mx	.001	2
52	MP4C	X	-2.636	4
53	MP4C	Z	4.565	4
54	MP4C	Mx	.001	4
55	MP2A	X	-2.269	3.5
56	MP2A	Z	3.929	3.5
57	MP2A	Mx	-.001	3.5
58	MP2B	X	-1.654	3.5
59	MP2B	Z	2.864	3.5
60	MP2B	Mx	.002	3.5
61	MP2C	X	-2.269	3.5
62	MP2C	Z	3.929	3.5
63	MP2C	Mx	-.001	3.5
64	MP3A	X	-2.19	3.5
65	MP3A	Z	3.793	3.5
66	MP3A	Mx	-.001	3.5
67	MP3B	X	-1.339	3.5
68	MP3B	Z	2.32	3.5
69	MP3B	Mx	.001	3.5
70	MP3C	X	-2.19	3.5
71	MP3C	Z	3.793	3.5
72	MP3C	Mx	-.001	3.5
73	MP1A	X	-4.443	.5
74	MP1A	Z	7.695	.5
75	MP1A	Mx	.002	.5
76	MP1A	X	-4.443	5.5
77	MP1A	Z	7.695	5.5
78	MP1A	Mx	.002	5.5
79	MP1B	X	-2.75	.5
80	MP1B	Z	4.763	.5
81	MP1B	Mx	-.003	.5
82	MP1B	X	-2.75	5.5
83	MP1B	Z	4.763	5.5
84	MP1B	Mx	-.003	5.5
85	MP1C	X	-4.443	.5
86	MP1C	Z	7.695	.5
87	MP1C	Mx	.002	.5
88	MP1C	X	-4.443	5.5
89	MP1C	Z	7.695	5.5
90	MP1C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-9.131	1
2	MP3A	Z	5.272	1
3	MP3A	Mx	.008	1
4	MP3A	X	-9.131	5
5	MP3A	Z	5.272	5
6	MP3A	Mx	.008	5
7	MP3B	X	-9.131	1
8	MP3B	Z	5.272	1
9	MP3B	Mx	-.001	1
10	MP3B	X	-9.131	5
11	MP3B	Z	5.272	5
12	MP3B	Mx	-.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3C	X	-11.307	1
14	MP3C	Z	6.528	1
15	MP3C	Mx	-.009	1
16	MP3C	X	-11.307	5
17	MP3C	Z	6.528	5
18	MP3C	Mx	-.009	5
19	MP3A	X	-9.131	1
20	MP3A	Z	5.272	1
21	MP3A	Mx	.001	1
22	MP3A	X	-9.131	5
23	MP3A	Z	5.272	5
24	MP3A	Mx	.001	5
25	MP3B	X	-9.131	1
26	MP3B	Z	5.272	1
27	MP3B	Mx	-.008	1
28	MP3B	X	-9.131	5
29	MP3B	Z	5.272	5
30	MP3B	Mx	-.008	5
31	MP3C	X	-11.307	1
32	MP3C	Z	6.528	1
33	MP3C	Mx	.009	1
34	MP3C	X	-11.307	5
35	MP3C	Z	6.528	5
36	MP3C	Mx	.009	5
37	MP4A	X	-2.927	2
38	MP4A	Z	1.69	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.927	4
41	MP4A	Z	1.69	4
42	MP4A	Mx	.001	4
43	MP4B	X	-2.927	2
44	MP4B	Z	1.69	2
45	MP4B	Mx	-.001	2
46	MP4B	X	-2.927	4
47	MP4B	Z	1.69	4
48	MP4B	Mx	-.001	4
49	MP4C	X	-5.384	2
50	MP4C	Z	3.109	2
51	MP4C	Mx	0	2
52	MP4C	X	-5.384	4
53	MP4C	Z	3.109	4
54	MP4C	Mx	0	4
55	MP2A	X	-3.219	3.5
56	MP2A	Z	1.859	3.5
57	MP2A	Mx	-.002	3.5
58	MP2B	X	-3.219	3.5
59	MP2B	Z	1.859	3.5
60	MP2B	Mx	.002	3.5
61	MP2C	X	-4.284	3.5
62	MP2C	Z	2.474	3.5
63	MP2C	Mx	0	3.5
64	MP3A	X	-2.811	3.5
65	MP3A	Z	1.623	3.5
66	MP3A	Mx	-.001	3.5
67	MP3B	X	-2.811	3.5
68	MP3B	Z	1.623	3.5
69	MP3B	Mx	.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP3C	X	-4.284	3.5
71	MP3C	Z	2.474	3.5
72	MP3C	Mx	0	3.5
73	MP1A	X	-5.741	.5
74	MP1A	Z	3.314	.5
75	MP1A	Mx	.003	.5
76	MP1A	X	-5.741	5.5
77	MP1A	Z	3.314	5.5
78	MP1A	Mx	.003	5.5
79	MP1B	X	-5.741	.5
80	MP1B	Z	3.314	.5
81	MP1B	Mx	-.003	.5
82	MP1B	X	-5.741	5.5
83	MP1B	Z	3.314	5.5
84	MP1B	Mx	-.003	5.5
85	MP1C	X	-8.672	.5
86	MP1C	Z	5.007	.5
87	MP1C	Mx	0	.5
88	MP1C	X	-8.672	5.5
89	MP1C	Z	5.007	5.5
90	MP1C	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	-9.707	1
2	MP3A	Z	0	1
3	MP3A	Mx	.005	1
4	MP3A	X	-9.707	5
5	MP3A	Z	0	5
6	MP3A	Mx	.005	5
7	MP3B	X	-12.219	1
8	MP3B	Z	0	1
9	MP3B	Mx	.004	1
10	MP3B	X	-12.219	5
11	MP3B	Z	0	5
12	MP3B	Mx	.004	5
13	MP3C	X	-12.219	1
14	MP3C	Z	0	1
15	MP3C	Mx	-.01	1
16	MP3C	X	-12.219	5
17	MP3C	Z	0	5
18	MP3C	Mx	-.01	5
19	MP3A	X	-9.707	1
20	MP3A	Z	0	1
21	MP3A	Mx	.005	1
22	MP3A	X	-9.707	5
23	MP3A	Z	0	5
24	MP3A	Mx	.005	5
25	MP3B	X	-12.219	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.01	1
28	MP3B	X	-12.219	5
29	MP3B	Z	0	5
30	MP3B	Mx	-.01	5
31	MP3C	X	-12.219	1
32	MP3C	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	.004	1
34	MP3C	X	-12.219	5
35	MP3C	Z	0	5
36	MP3C	Mx	.004	5
37	MP4A	X	-2.434	2
38	MP4A	Z	0	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.434	4
41	MP4A	Z	0	4
42	MP4A	Mx	.001	4
43	MP4B	X	-5.271	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.001	2
46	MP4B	X	-5.271	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.001	4
49	MP4C	X	-5.271	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-5.271	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.001	4
55	MP2A	X	-3.307	3.5
56	MP2A	Z	0	3.5
57	MP2A	Mx	-.002	3.5
58	MP2B	X	-4.537	3.5
59	MP2B	Z	0	3.5
60	MP2B	Mx	.001	3.5
61	MP2C	X	-4.537	3.5
62	MP2C	Z	0	3.5
63	MP2C	Mx	.001	3.5
64	MP3A	X	-2.679	3.5
65	MP3A	Z	0	3.5
66	MP3A	Mx	-.001	3.5
67	MP3B	X	-4.38	3.5
68	MP3B	Z	0	3.5
69	MP3B	Mx	.001	3.5
70	MP3C	X	-4.38	3.5
71	MP3C	Z	0	3.5
72	MP3C	Mx	.001	3.5
73	MP1A	X	-5.5	.5
74	MP1A	Z	0	.5
75	MP1A	Mx	.003	.5
76	MP1A	X	-5.5	5.5
77	MP1A	Z	0	5.5
78	MP1A	Mx	.003	5.5
79	MP1B	X	-8.885	.5
80	MP1B	Z	0	.5
81	MP1B	Mx	-.002	.5
82	MP1B	X	-8.885	5.5
83	MP1B	Z	0	5.5
84	MP1B	Mx	-.002	5.5
85	MP1C	X	-8.885	.5
86	MP1C	Z	0	.5
87	MP1C	Mx	-.002	.5
88	MP1C	X	-8.885	5.5
89	MP1C	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1C	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-9.131	1
2	MP3A	Z	-5.272	1
3	MP3A	Mx	.001	1
4	MP3A	X	-9.131	5
5	MP3A	Z	-5.272	5
6	MP3A	Mx	.001	5
7	MP3B	X	-11.307	1
8	MP3B	Z	-6.528	1
9	MP3B	Mx	.009	1
10	MP3B	X	-11.307	5
11	MP3B	Z	-6.528	5
12	MP3B	Mx	.009	5
13	MP3C	X	-9.131	1
14	MP3C	Z	-5.272	1
15	MP3C	Mx	-.008	1
16	MP3C	X	-9.131	5
17	MP3C	Z	-5.272	5
18	MP3C	Mx	-.008	5
19	MP3A	X	-9.131	1
20	MP3A	Z	-5.272	1
21	MP3A	Mx	.008	1
22	MP3A	X	-9.131	5
23	MP3A	Z	-5.272	5
24	MP3A	Mx	.008	5
25	MP3B	X	-11.307	1
26	MP3B	Z	-6.528	1
27	MP3B	Mx	-.009	1
28	MP3B	X	-11.307	5
29	MP3B	Z	-6.528	5
30	MP3B	Mx	-.009	5
31	MP3C	X	-9.131	1
32	MP3C	Z	-5.272	1
33	MP3C	Mx	-.001	1
34	MP3C	X	-9.131	5
35	MP3C	Z	-5.272	5
36	MP3C	Mx	-.001	5
37	MP4A	X	-2.927	2
38	MP4A	Z	-1.69	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.927	4
41	MP4A	Z	-1.69	4
42	MP4A	Mx	.001	4
43	MP4B	X	-5.384	2
44	MP4B	Z	-3.109	2
45	MP4B	Mx	0	2
46	MP4B	X	-5.384	4
47	MP4B	Z	-3.109	4
48	MP4B	Mx	0	4
49	MP4C	X	-2.927	2
50	MP4C	Z	-1.69	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-2.927	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	-1.69	4
54	MP4C	Mx	-.001	4
55	MP2A	X	-3.219	3.5
56	MP2A	Z	-1.859	3.5
57	MP2A	Mx	-.002	3.5
58	MP2B	X	-4.284	3.5
59	MP2B	Z	-2.474	3.5
60	MP2B	Mx	0	3.5
61	MP2C	X	-3.219	3.5
62	MP2C	Z	-1.859	3.5
63	MP2C	Mx	.002	3.5
64	MP3A	X	-2.811	3.5
65	MP3A	Z	-1.623	3.5
66	MP3A	Mx	-.001	3.5
67	MP3B	X	-4.284	3.5
68	MP3B	Z	-2.474	3.5
69	MP3B	Mx	0	3.5
70	MP3C	X	-2.811	3.5
71	MP3C	Z	-1.623	3.5
72	MP3C	Mx	.001	3.5
73	MP1A	X	-5.741	.5
74	MP1A	Z	-3.314	.5
75	MP1A	Mx	.003	.5
76	MP1A	X	-5.741	5.5
77	MP1A	Z	-3.314	5.5
78	MP1A	Mx	.003	5.5
79	MP1B	X	-8.672	.5
80	MP1B	Z	-5.007	.5
81	MP1B	Mx	0	.5
82	MP1B	X	-8.672	5.5
83	MP1B	Z	-5.007	5.5
84	MP1B	Mx	0	5.5
85	MP1C	X	-5.741	.5
86	MP1C	Z	-3.314	.5
87	MP1C	Mx	-.003	.5
88	MP1C	X	-5.741	5.5
89	MP1C	Z	-3.314	5.5
90	MP1C	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.109	1
2	MP3A	Z	-10.582	1
3	MP3A	Mx	-.004	1
4	MP3A	X	-6.109	5
5	MP3A	Z	-10.582	5
6	MP3A	Mx	-.004	5
7	MP3B	X	-6.109	1
8	MP3B	Z	-10.582	1
9	MP3B	Mx	.01	1
10	MP3B	X	-6.109	5
11	MP3B	Z	-10.582	5
12	MP3B	Mx	.01	5
13	MP3C	X	-4.853	1
14	MP3C	Z	-8.406	1
15	MP3C	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3C	X	-4.853	5
17	MP3C	Z	-8.406	5
18	MP3C	Mx	-.005	5
19	MP3A	X	-6.109	1
20	MP3A	Z	-10.582	1
21	MP3A	Mx	.01	1
22	MP3A	X	-6.109	5
23	MP3A	Z	-10.582	5
24	MP3A	Mx	.01	5
25	MP3B	X	-6.109	1
26	MP3B	Z	-10.582	1
27	MP3B	Mx	-.004	1
28	MP3B	X	-6.109	5
29	MP3B	Z	-10.582	5
30	MP3B	Mx	-.004	5
31	MP3C	X	-4.853	1
32	MP3C	Z	-8.406	1
33	MP3C	Mx	-.005	1
34	MP3C	X	-4.853	5
35	MP3C	Z	-8.406	5
36	MP3C	Mx	-.005	5
37	MP4A	X	-2.636	2
38	MP4A	Z	-4.565	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.636	4
41	MP4A	Z	-4.565	4
42	MP4A	Mx	.001	4
43	MP4B	X	-2.636	2
44	MP4B	Z	-4.565	2
45	MP4B	Mx	.001	2
46	MP4B	X	-2.636	4
47	MP4B	Z	-4.565	4
48	MP4B	Mx	.001	4
49	MP4C	X	-1.217	2
50	MP4C	Z	-2.108	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-1.217	4
53	MP4C	Z	-2.108	4
54	MP4C	Mx	-.001	4
55	MP2A	X	-2.269	3.5
56	MP2A	Z	-3.929	3.5
57	MP2A	Mx	-.001	3.5
58	MP2B	X	-2.269	3.5
59	MP2B	Z	-3.929	3.5
60	MP2B	Mx	-.001	3.5
61	MP2C	X	-1.654	3.5
62	MP2C	Z	-2.864	3.5
63	MP2C	Mx	.002	3.5
64	MP3A	X	-2.19	3.5
65	MP3A	Z	-3.793	3.5
66	MP3A	Mx	-.001	3.5
67	MP3B	X	-2.19	3.5
68	MP3B	Z	-3.793	3.5
69	MP3B	Mx	-.001	3.5
70	MP3C	X	-1.339	3.5
71	MP3C	Z	-2.32	3.5
72	MP3C	Mx	.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP1A	X	-4.443	.5
74	MP1A	Z	-7.695	.5
75	MP1A	Mx	.002	.5
76	MP1A	X	-4.443	5.5
77	MP1A	Z	-7.695	5.5
78	MP1A	Mx	.002	5.5
79	MP1B	X	-4.443	.5
80	MP1B	Z	-7.695	.5
81	MP1B	Mx	.002	.5
82	MP1B	X	-4.443	5.5
83	MP1B	Z	-7.695	5.5
84	MP1B	Mx	.002	5.5
85	MP1C	X	-2.75	.5
86	MP1C	Z	-4.763	.5
87	MP1C	Mx	-.003	.5
88	MP1C	X	-2.75	5.5
89	MP1C	Z	-4.763	5.5
90	MP1C	Mx	-.003	5.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M20	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	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%100

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-6.56	-6.56	0	%100
2	M4	Y	-9.601	-9.601	0	%100
3	M10	Y	-9.601	-9.601	0	%100
4	MP3A	Y	-5.679	-5.679	0	%100
5	MP4A	Y	-4.974	-4.974	0	%100
6	MP2A	Y	-4.974	-4.974	0	%100
7	MP1A	Y	-4.974	-4.974	0	%100
8	M43	Y	-9.601	-9.601	0	%100
9	M46	Y	-10.114	-10.114	0	%100
10	M51B	Y	-5.614	-5.614	0	%100
11	M52B	Y	-5.614	-5.614	0	%100
12	M76	Y	-10.101	-10.101	0	%100
13	M77	Y	-10.101	-10.101	0	%100
14	M80	Y	-10.114	-10.114	0	%100
15	M84	Y	-10.101	-10.101	0	%100
16	M85	Y	-10.101	-10.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M91	Y	-10.114	-10.114	0	%100
18	M52A	Y	-9.601	-9.601	0	%100
19	M53	Y	-9.601	-9.601	0	%100
20	M54	Y	-9.601	-9.601	0	%100
21	M55	Y	-10.114	-10.114	0	%100
22	M58A	Y	-5.614	-5.614	0	%100
23	M59A	Y	-5.614	-5.614	0	%100
24	M63	Y	-10.101	-10.101	0	%100
25	M64	Y	-10.101	-10.101	0	%100
26	M66	Y	-10.114	-10.114	0	%100
27	M68	Y	-10.101	-10.101	0	%100
28	M69	Y	-10.101	-10.101	0	%100
29	M71	Y	-10.114	-10.114	0	%100
30	M76A	Y	-9.601	-9.601	0	%100
31	M77A	Y	-9.601	-9.601	0	%100
32	M78	Y	-9.601	-9.601	0	%100
33	M79A	Y	-10.114	-10.114	0	%100
34	M82	Y	-5.614	-5.614	0	%100
35	M83A	Y	-5.614	-5.614	0	%100
36	M87	Y	-10.101	-10.101	0	%100
37	M88A	Y	-10.101	-10.101	0	%100
38	M90	Y	-10.114	-10.114	0	%100
39	M92A	Y	-10.101	-10.101	0	%100
40	M93	Y	-10.101	-10.101	0	%100
41	M95	Y	-10.114	-10.114	0	%100
42	M82A	Y	-6.56	-6.56	0	%100
43	M91B	Y	-6.56	-6.56	0	%100
44	MP3C	Y	-5.679	-5.679	0	%100
45	MP4C	Y	-4.974	-4.974	0	%100
46	MP2C	Y	-4.974	-4.974	0	%100
47	MP1C	Y	-4.974	-4.974	0	%100
48	MP3B	Y	-5.679	-5.679	0	%100
49	MP4B	Y	-4.974	-4.974	0	%100
50	MP2B	Y	-4.974	-4.974	0	%100
51	MP1B	Y	-4.974	-4.974	0	%100
52	M104	Y	-5.679	-5.679	0	%100
53	M109	Y	-5.679	-5.679	0	%100
54	M114	Y	-5.679	-5.679	0	%100
55	M125A	Y	-7.607	-7.607	0	%100
56	M126A	Y	-7.607	-7.607	0	%100
57	M127A	Y	-7.607	-7.607	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-15.076	-15.076	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	-15.501	-15.501	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-13.631	-13.631	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-11.26	-11.26	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-11.26	-11.26	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-11.26	-11.26	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-15.501	-15.501	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-28.447	-28.447	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-3.949	-3.949	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-3.949	-3.949	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	-7.244	-7.244	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-7.629	-7.629	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	-7.244	-7.244	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-7.629	-7.629	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-12.641	-12.641	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-3.875	-3.875	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-3.875	-3.875	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-7.112	-7.112	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-3.949	-3.949	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-15.796	-15.796	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-21.336	-21.336	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-7.244	-7.244	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-7.629	-7.629	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-21.336	-21.336	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-28.974	-28.974	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	-30.518	-30.518	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-12.641	-12.641	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-3.875	-3.875	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-3.875	-3.875	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-7.112	-7.112	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-15.796	-15.796	0	%100
69	M83A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	M83A	Z	-3.949	-3.949	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-21.336	-21.336	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-28.974	-28.974	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-30.518	-30.518	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-21.336	-21.336	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-7.244	-7.244	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-7.629	-7.629	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-3.769	-3.769	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-3.769	-3.769	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-13.631	-13.631	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-11.26	-11.26	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-11.26	-11.26	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-11.26	-11.26	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-13.631	-13.631	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-11.26	-11.26	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-11.26	-11.26	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-11.26	-11.26	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-13.631	-13.631	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	-3.408	-3.408	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	-3.408	-3.408	0	%100
109	M125A	X	0	0	0	%100
110	M125A	Z	-15.843	-15.843	0	%100
111	M126A	X	0	0	0	%100
112	M126A	Z	-3.961	-3.961	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	-3.961	-3.961	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.654	5.654	0	%100
2	M1	Z	-9.792	-9.792	0	%100
3	M4	X	2.107	2.107	0	%100
4	M4	Z	-3.649	-3.649	0	%100
5	M10	X	5.813	5.813	0	%100
6	M10	Z	-10.068	-10.068	0	%100
7	MP3A	X	6.816	6.816	0	%100
8	MP3A	Z	-11.805	-11.805	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	MP4A	X	5.63	5.63	0	%100
10	MP4A	Z	-9.752	-9.752	0	%100
11	MP2A	X	5.63	5.63	0	%100
12	MP2A	Z	-9.752	-9.752	0	%100
13	MP1A	X	5.63	5.63	0	%100
14	MP1A	Z	-9.752	-9.752	0	%100
15	M43	X	5.813	5.813	0	%100
16	M43	Z	-10.068	-10.068	0	%100
17	M46	X	10.668	10.668	0	%100
18	M46	Z	-18.477	-18.477	0	%100
19	M51B	X	5.924	5.924	0	%100
20	M51B	Z	-10.26	-10.26	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	3.556	3.556	0	%100
24	M76	Z	-6.159	-6.159	0	%100
25	M77	X	10.865	10.865	0	%100
26	M77	Z	-18.819	-18.819	0	%100
27	M80	X	11.444	11.444	0	%100
28	M80	Z	-19.822	-19.822	0	%100
29	M84	X	3.556	3.556	0	%100
30	M84	Z	-6.159	-6.159	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	M52A	X	2.107	2.107	0	%100
36	M52A	Z	-3.649	-3.649	0	%100
37	M53	X	5.813	5.813	0	%100
38	M53	Z	-10.068	-10.068	0	%100
39	M54	X	5.813	5.813	0	%100
40	M54	Z	-10.068	-10.068	0	%100
41	M55	X	10.668	10.668	0	%100
42	M55	Z	-18.477	-18.477	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	5.924	5.924	0	%100
46	M59A	Z	-10.26	-10.26	0	%100
47	M63	X	3.556	3.556	0	%100
48	M63	Z	-6.159	-6.159	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	3.556	3.556	0	%100
54	M68	Z	-6.159	-6.159	0	%100
55	M69	X	10.865	10.865	0	%100
56	M69	Z	-18.819	-18.819	0	%100
57	M71	X	11.444	11.444	0	%100
58	M71	Z	-19.822	-19.822	0	%100
59	M76A	X	8.428	8.428	0	%100
60	M76A	Z	-14.597	-14.597	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
66	M79A	Z	0	0	0	%100
67	M82	X	5.924	5.924	0	%100
68	M82	Z	-10.26	-10.26	0	%100
69	M83A	X	5.924	5.924	0	%100
70	M83A	Z	-10.26	-10.26	0	%100
71	M87	X	14.224	14.224	0	%100
72	M87	Z	-24.636	-24.636	0	%100
73	M88A	X	10.865	10.865	0	%100
74	M88A	Z	-18.819	-18.819	0	%100
75	M90	X	11.444	11.444	0	%100
76	M90	Z	-19.822	-19.822	0	%100
77	M92A	X	14.224	14.224	0	%100
78	M92A	Z	-24.636	-24.636	0	%100
79	M93	X	10.865	10.865	0	%100
80	M93	Z	-18.819	-18.819	0	%100
81	M95	X	11.444	11.444	0	%100
82	M95	Z	-19.822	-19.822	0	%100
83	M82A	X	5.654	5.654	0	%100
84	M82A	Z	-9.792	-9.792	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	6.816	6.816	0	%100
88	MP3C	Z	-11.805	-11.805	0	%100
89	MP4C	X	5.63	5.63	0	%100
90	MP4C	Z	-9.752	-9.752	0	%100
91	MP2C	X	5.63	5.63	0	%100
92	MP2C	Z	-9.752	-9.752	0	%100
93	MP1C	X	5.63	5.63	0	%100
94	MP1C	Z	-9.752	-9.752	0	%100
95	MP3B	X	6.816	6.816	0	%100
96	MP3B	Z	-11.805	-11.805	0	%100
97	MP4B	X	5.63	5.63	0	%100
98	MP4B	Z	-9.752	-9.752	0	%100
99	MP2B	X	5.63	5.63	0	%100
100	MP2B	Z	-9.752	-9.752	0	%100
101	MP1B	X	5.63	5.63	0	%100
102	MP1B	Z	-9.752	-9.752	0	%100
103	M104	X	5.112	5.112	0	%100
104	M104	Z	-8.854	-8.854	0	%100
105	M109	X	5.112	5.112	0	%100
106	M109	Z	-8.854	-8.854	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	0	0	0	%100
109	M125A	X	5.941	5.941	0	%100
110	M125A	Z	-10.29	-10.29	0	%100
111	M126A	X	5.941	5.941	0	%100
112	M126A	Z	-10.29	-10.29	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.264	3.264	0	%100
2	M1	Z	-1.885	-1.885	0	%100
3	M4	X	10.948	10.948	0	%100
4	M4	Z	-6.321	-6.321	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M10	X	3.356	3.356	0	%100
6	M10	Z	-1.938	-1.938	0	%100
7	MP3A	X	11.805	11.805	0	%100
8	MP3A	Z	-6.816	-6.816	0	%100
9	MP4A	X	9.752	9.752	0	%100
10	MP4A	Z	-5.63	-5.63	0	%100
11	MP2A	X	9.752	9.752	0	%100
12	MP2A	Z	-5.63	-5.63	0	%100
13	MP1A	X	9.752	9.752	0	%100
14	MP1A	Z	-5.63	-5.63	0	%100
15	M43	X	3.356	3.356	0	%100
16	M43	Z	-1.938	-1.938	0	%100
17	M46	X	6.159	6.159	0	%100
18	M46	Z	-3.556	-3.556	0	%100
19	M51B	X	13.68	13.68	0	%100
20	M51B	Z	-7.898	-7.898	0	%100
21	M52B	X	3.42	3.42	0	%100
22	M52B	Z	-1.975	-1.975	0	%100
23	M76	X	18.477	18.477	0	%100
24	M76	Z	-10.668	-10.668	0	%100
25	M77	X	25.092	25.092	0	%100
26	M77	Z	-14.487	-14.487	0	%100
27	M80	X	26.429	26.429	0	%100
28	M80	Z	-15.259	-15.259	0	%100
29	M84	X	18.477	18.477	0	%100
30	M84	Z	-10.668	-10.668	0	%100
31	M85	X	6.273	6.273	0	%100
32	M85	Z	-3.622	-3.622	0	%100
33	M91	X	6.607	6.607	0	%100
34	M91	Z	-3.815	-3.815	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	13.424	13.424	0	%100
38	M53	Z	-7.751	-7.751	0	%100
39	M54	X	13.424	13.424	0	%100
40	M54	Z	-7.751	-7.751	0	%100
41	M55	X	24.636	24.636	0	%100
42	M55	Z	-14.224	-14.224	0	%100
43	M58A	X	3.42	3.42	0	%100
44	M58A	Z	-1.975	-1.975	0	%100
45	M59A	X	3.42	3.42	0	%100
46	M59A	Z	-1.975	-1.975	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	6.273	6.273	0	%100
50	M64	Z	-3.622	-3.622	0	%100
51	M66	X	6.607	6.607	0	%100
52	M66	Z	-3.815	-3.815	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	6.273	6.273	0	%100
56	M69	Z	-3.622	-3.622	0	%100
57	M71	X	6.607	6.607	0	%100
58	M71	Z	-3.815	-3.815	0	%100
59	M76A	X	10.948	10.948	0	%100
60	M76A	Z	-6.321	-6.321	0	%100
61	M77A	X	3.356	3.356	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M77A	Z	-1.938	-1.938	0	%100
63	M78	X	3.356	3.356	0	%100
64	M78	Z	-1.938	-1.938	0	%100
65	M79A	X	6.159	6.159	0	%100
66	M79A	Z	-3.556	-3.556	0	%100
67	M82	X	3.42	3.42	0	%100
68	M82	Z	-1.975	-1.975	0	%100
69	M83A	X	13.68	13.68	0	%100
70	M83A	Z	-7.898	-7.898	0	%100
71	M87	X	18.477	18.477	0	%100
72	M87	Z	-10.668	-10.668	0	%100
73	M88A	X	6.273	6.273	0	%100
74	M88A	Z	-3.622	-3.622	0	%100
75	M90	X	6.607	6.607	0	%100
76	M90	Z	-3.815	-3.815	0	%100
77	M92A	X	18.477	18.477	0	%100
78	M92A	Z	-10.668	-10.668	0	%100
79	M93	X	25.092	25.092	0	%100
80	M93	Z	-14.487	-14.487	0	%100
81	M95	X	26.429	26.429	0	%100
82	M95	Z	-15.259	-15.259	0	%100
83	M82A	X	13.056	13.056	0	%100
84	M82A	Z	-7.538	-7.538	0	%100
85	M91B	X	3.264	3.264	0	%100
86	M91B	Z	-1.885	-1.885	0	%100
87	MP3C	X	11.805	11.805	0	%100
88	MP3C	Z	-6.816	-6.816	0	%100
89	MP4C	X	9.752	9.752	0	%100
90	MP4C	Z	-5.63	-5.63	0	%100
91	MP2C	X	9.752	9.752	0	%100
92	MP2C	Z	-5.63	-5.63	0	%100
93	MP1C	X	9.752	9.752	0	%100
94	MP1C	Z	-5.63	-5.63	0	%100
95	MP3B	X	11.805	11.805	0	%100
96	MP3B	Z	-6.816	-6.816	0	%100
97	MP4B	X	9.752	9.752	0	%100
98	MP4B	Z	-5.63	-5.63	0	%100
99	MP2B	X	9.752	9.752	0	%100
100	MP2B	Z	-5.63	-5.63	0	%100
101	MP1B	X	9.752	9.752	0	%100
102	MP1B	Z	-5.63	-5.63	0	%100
103	M104	X	2.951	2.951	0	%100
104	M104	Z	-1.704	-1.704	0	%100
105	M109	X	11.805	11.805	0	%100
106	M109	Z	-6.816	-6.816	0	%100
107	M114	X	2.951	2.951	0	%100
108	M114	Z	-1.704	-1.704	0	%100
109	M125A	X	3.43	3.43	0	%100
110	M125A	Z	-1.98	-1.98	0	%100
111	M126A	X	13.72	13.72	0	%100
112	M126A	Z	-7.921	-7.921	0	%100
113	M127A	X	3.43	3.43	0	%100
114	M127A	Z	-1.98	-1.98	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	16.855	16.855	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	13.631	13.631	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	11.26	11.26	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	11.26	11.26	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	11.26	11.26	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	11.847	11.847	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	11.847	11.847	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	28.447	28.447	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	21.731	21.731	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	22.888	22.888	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	28.447	28.447	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	21.731	21.731	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	22.888	22.888	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	4.214	4.214	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	11.626	11.626	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	11.626	11.626	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	21.336	21.336	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	11.847	11.847	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	7.112	7.112	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	21.731	21.731	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	22.888	22.888	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	7.112	7.112	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	0	0	0	%100
59	M76A	X	4.214	4.214	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	11.626	11.626	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	11.626	11.626	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	21.336	21.336	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	11.847	11.847	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	7.112	7.112	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	7.112	7.112	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	21.731	21.731	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	22.888	22.888	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	11.307	11.307	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	11.307	11.307	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	13.631	13.631	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	11.26	11.26	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	11.26	11.26	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	11.26	11.26	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	13.631	13.631	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	11.26	11.26	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	11.26	11.26	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	11.26	11.26	0	%100
102	MP1B	Z	0	0	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M109	X	10.223	10.223	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	10.223	10.223	0	%100
108	M114	Z	0	0	0	%100
109	M125A	X	0	0	0	%100
110	M125A	Z	0	0	0	%100
111	M126A	X	11.882	11.882	0	%100
112	M126A	Z	0	0	0	%100
113	M127A	X	11.882	11.882	0	%100
114	M127A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.264	3.264	0	%100
2	M1	Z	1.885	1.885	0	%100
3	M4	X	10.948	10.948	0	%100
4	M4	Z	6.321	6.321	0	%100
5	M10	X	3.356	3.356	0	%100
6	M10	Z	1.938	1.938	0	%100
7	MP3A	X	11.805	11.805	0	%100
8	MP3A	Z	6.816	6.816	0	%100
9	MP4A	X	9.752	9.752	0	%100
10	MP4A	Z	5.63	5.63	0	%100
11	MP2A	X	9.752	9.752	0	%100
12	MP2A	Z	5.63	5.63	0	%100
13	MP1A	X	9.752	9.752	0	%100
14	MP1A	Z	5.63	5.63	0	%100
15	M43	X	3.356	3.356	0	%100
16	M43	Z	1.938	1.938	0	%100
17	M46	X	6.159	6.159	0	%100
18	M46	Z	3.556	3.556	0	%100
19	M51B	X	3.42	3.42	0	%100
20	M51B	Z	1.975	1.975	0	%100
21	M52B	X	13.68	13.68	0	%100
22	M52B	Z	7.898	7.898	0	%100
23	M76	X	18.477	18.477	0	%100
24	M76	Z	10.668	10.668	0	%100
25	M77	X	6.273	6.273	0	%100
26	M77	Z	3.622	3.622	0	%100
27	M80	X	6.607	6.607	0	%100
28	M80	Z	3.815	3.815	0	%100
29	M84	X	18.477	18.477	0	%100
30	M84	Z	10.668	10.668	0	%100
31	M85	X	25.092	25.092	0	%100
32	M85	Z	14.487	14.487	0	%100
33	M91	X	26.429	26.429	0	%100
34	M91	Z	15.259	15.259	0	%100
35	M52A	X	10.948	10.948	0	%100
36	M52A	Z	6.321	6.321	0	%100
37	M53	X	3.356	3.356	0	%100
38	M53	Z	1.938	1.938	0	%100
39	M54	X	3.356	3.356	0	%100
40	M54	Z	1.938	1.938	0	%100
41	M55	X	6.159	6.159	0	%100
42	M55	Z	3.556	3.556	0	%100
43	M58A	X	13.68	13.68	0	%100
44	M58A	Z	7.898	7.898	0	%100
45	M59A	X	3.42	3.42	0	%100
46	M59A	Z	1.975	1.975	0	%100
47	M63	X	18.477	18.477	0	%100
48	M63	Z	10.668	10.668	0	%100
49	M64	X	25.092	25.092	0	%100
50	M64	Z	14.487	14.487	0	%100
51	M66	X	26.429	26.429	0	%100
52	M66	Z	15.259	15.259	0	%100
53	M68	X	18.477	18.477	0	%100
54	M68	Z	10.668	10.668	0	%100
55	M69	X	6.273	6.273	0	%100
56	M69	Z	3.622	3.622	0	%100
57	M71	X	6.607	6.607	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	3.815	3.815	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	13.424	13.424	0	%100
62	M77A	Z	7.751	7.751	0	%100
63	M78	X	13.424	13.424	0	%100
64	M78	Z	7.751	7.751	0	%100
65	M79A	X	24.636	24.636	0	%100
66	M79A	Z	14.224	14.224	0	%100
67	M82	X	3.42	3.42	0	%100
68	M82	Z	1.975	1.975	0	%100
69	M83A	X	3.42	3.42	0	%100
70	M83A	Z	1.975	1.975	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	6.273	6.273	0	%100
74	M88A	Z	3.622	3.622	0	%100
75	M90	X	6.607	6.607	0	%100
76	M90	Z	3.815	3.815	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	6.273	6.273	0	%100
80	M93	Z	3.622	3.622	0	%100
81	M95	X	6.607	6.607	0	%100
82	M95	Z	3.815	3.815	0	%100
83	M82A	X	3.264	3.264	0	%100
84	M82A	Z	1.885	1.885	0	%100
85	M91B	X	13.056	13.056	0	%100
86	M91B	Z	7.538	7.538	0	%100
87	MP3C	X	11.805	11.805	0	%100
88	MP3C	Z	6.816	6.816	0	%100
89	MP4C	X	9.752	9.752	0	%100
90	MP4C	Z	5.63	5.63	0	%100
91	MP2C	X	9.752	9.752	0	%100
92	MP2C	Z	5.63	5.63	0	%100
93	MP1C	X	9.752	9.752	0	%100
94	MP1C	Z	5.63	5.63	0	%100
95	MP3B	X	11.805	11.805	0	%100
96	MP3B	Z	6.816	6.816	0	%100
97	MP4B	X	9.752	9.752	0	%100
98	MP4B	Z	5.63	5.63	0	%100
99	MP2B	X	9.752	9.752	0	%100
100	MP2B	Z	5.63	5.63	0	%100
101	MP1B	X	9.752	9.752	0	%100
102	MP1B	Z	5.63	5.63	0	%100
103	M104	X	2.951	2.951	0	%100
104	M104	Z	1.704	1.704	0	%100
105	M109	X	2.951	2.951	0	%100
106	M109	Z	1.704	1.704	0	%100
107	M114	X	11.805	11.805	0	%100
108	M114	Z	6.816	6.816	0	%100
109	M125A	X	3.43	3.43	0	%100
110	M125A	Z	1.98	1.98	0	%100
111	M126A	X	3.43	3.43	0	%100
112	M126A	Z	1.98	1.98	0	%100
113	M127A	X	13.72	13.72	0	%100
114	M127A	Z	7.921	7.921	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.654	5.654	0	%100
2	M1	Z	9.792	9.792	0	%100
3	M4	X	2.107	2.107	0	%100
4	M4	Z	3.649	3.649	0	%100
5	M10	X	5.813	5.813	0	%100
6	M10	Z	10.068	10.068	0	%100
7	MP3A	X	6.816	6.816	0	%100
8	MP3A	Z	11.805	11.805	0	%100
9	MP4A	X	5.63	5.63	0	%100
10	MP4A	Z	9.752	9.752	0	%100
11	MP2A	X	5.63	5.63	0	%100
12	MP2A	Z	9.752	9.752	0	%100
13	MP1A	X	5.63	5.63	0	%100
14	MP1A	Z	9.752	9.752	0	%100
15	M43	X	5.813	5.813	0	%100
16	M43	Z	10.068	10.068	0	%100
17	M46	X	10.668	10.668	0	%100
18	M46	Z	18.477	18.477	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	5.924	5.924	0	%100
22	M52B	Z	10.26	10.26	0	%100
23	M76	X	3.556	3.556	0	%100
24	M76	Z	6.159	6.159	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	3.556	3.556	0	%100
30	M84	Z	6.159	6.159	0	%100
31	M85	X	10.865	10.865	0	%100
32	M85	Z	18.819	18.819	0	%100
33	M91	X	11.444	11.444	0	%100
34	M91	Z	19.822	19.822	0	%100
35	M52A	X	8.428	8.428	0	%100
36	M52A	Z	14.597	14.597	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	5.924	5.924	0	%100
44	M58A	Z	10.26	10.26	0	%100
45	M59A	X	5.924	5.924	0	%100
46	M59A	Z	10.26	10.26	0	%100
47	M63	X	14.224	14.224	0	%100
48	M63	Z	24.636	24.636	0	%100
49	M64	X	10.865	10.865	0	%100
50	M64	Z	18.819	18.819	0	%100
51	M66	X	11.444	11.444	0	%100
52	M66	Z	19.822	19.822	0	%100
53	M68	X	14.224	14.224	0	%100
54	M68	Z	24.636	24.636	0	%100
55	M69	X	10.865	10.865	0	%100
56	M69	Z	18.819	18.819	0	%100
57	M71	X	11.444	11.444	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	19.822	19.822	0	%100
59	M76A	X	2.107	2.107	0	%100
60	M76A	Z	3.649	3.649	0	%100
61	M77A	X	5.813	5.813	0	%100
62	M77A	Z	10.068	10.068	0	%100
63	M78	X	5.813	5.813	0	%100
64	M78	Z	10.068	10.068	0	%100
65	M79A	X	10.668	10.668	0	%100
66	M79A	Z	18.477	18.477	0	%100
67	M82	X	5.924	5.924	0	%100
68	M82	Z	10.26	10.26	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	3.556	3.556	0	%100
72	M87	Z	6.159	6.159	0	%100
73	M88A	X	10.865	10.865	0	%100
74	M88A	Z	18.819	18.819	0	%100
75	M90	X	11.444	11.444	0	%100
76	M90	Z	19.822	19.822	0	%100
77	M92A	X	3.556	3.556	0	%100
78	M92A	Z	6.159	6.159	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	5.654	5.654	0	%100
86	M91B	Z	9.792	9.792	0	%100
87	MP3C	X	6.816	6.816	0	%100
88	MP3C	Z	11.805	11.805	0	%100
89	MP4C	X	5.63	5.63	0	%100
90	MP4C	Z	9.752	9.752	0	%100
91	MP2C	X	5.63	5.63	0	%100
92	MP2C	Z	9.752	9.752	0	%100
93	MP1C	X	5.63	5.63	0	%100
94	MP1C	Z	9.752	9.752	0	%100
95	MP3B	X	6.816	6.816	0	%100
96	MP3B	Z	11.805	11.805	0	%100
97	MP4B	X	5.63	5.63	0	%100
98	MP4B	Z	9.752	9.752	0	%100
99	MP2B	X	5.63	5.63	0	%100
100	MP2B	Z	9.752	9.752	0	%100
101	MP1B	X	5.63	5.63	0	%100
102	MP1B	Z	9.752	9.752	0	%100
103	M104	X	5.112	5.112	0	%100
104	M104	Z	8.854	8.854	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	5.112	5.112	0	%100
108	M114	Z	8.854	8.854	0	%100
109	M125A	X	5.941	5.941	0	%100
110	M125A	Z	10.29	10.29	0	%100
111	M126A	X	0	0	0	%100
112	M126A	Z	0	0	0	%100
113	M127A	X	5.941	5.941	0	%100
114	M127A	Z	10.29	10.29	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	15.076	15.076	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	15.501	15.501	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	13.631	13.631	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	11.26	11.26	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	11.26	11.26	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	11.26	11.26	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	15.501	15.501	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	28.447	28.447	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	3.949	3.949	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	3.949	3.949	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	7.244	7.244	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	7.629	7.629	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	7.244	7.244	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	7.629	7.629	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	12.641	12.641	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	3.875	3.875	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	3.875	3.875	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	7.112	7.112	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	3.949	3.949	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	15.796	15.796	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	21.336	21.336	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	7.244	7.244	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	7.629	7.629	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	21.336	21.336	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	28.974	28.974	0	%100
57	M71	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	30.518	30.518	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	12.641	12.641	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	3.875	3.875	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	3.875	3.875	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	7.112	7.112	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	15.796	15.796	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	3.949	3.949	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	21.336	21.336	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	28.974	28.974	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	30.518	30.518	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	21.336	21.336	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	7.244	7.244	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	7.629	7.629	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	3.769	3.769	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	3.769	3.769	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	13.631	13.631	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	11.26	11.26	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	11.26	11.26	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	11.26	11.26	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	13.631	13.631	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	11.26	11.26	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	11.26	11.26	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	11.26	11.26	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	13.631	13.631	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	3.408	3.408	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	3.408	3.408	0	%100
109	M125A	X	0	0	0	%100
110	M125A	Z	15.843	15.843	0	%100
111	M126A	X	0	0	0	%100
112	M126A	Z	3.961	3.961	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	3.961	3.961	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.654	-5.654	0	%100
2	M1	Z	9.792	9.792	0	%100
3	M4	X	-2.107	-2.107	0	%100
4	M4	Z	3.649	3.649	0	%100
5	M10	X	-5.813	-5.813	0	%100
6	M10	Z	10.068	10.068	0	%100
7	MP3A	X	-6.816	-6.816	0	%100
8	MP3A	Z	11.805	11.805	0	%100
9	MP4A	X	-5.63	-5.63	0	%100
10	MP4A	Z	9.752	9.752	0	%100
11	MP2A	X	-5.63	-5.63	0	%100
12	MP2A	Z	9.752	9.752	0	%100
13	MP1A	X	-5.63	-5.63	0	%100
14	MP1A	Z	9.752	9.752	0	%100
15	M43	X	-5.813	-5.813	0	%100
16	M43	Z	10.068	10.068	0	%100
17	M46	X	-10.668	-10.668	0	%100
18	M46	Z	18.477	18.477	0	%100
19	M51B	X	-5.924	-5.924	0	%100
20	M51B	Z	10.26	10.26	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-3.556	-3.556	0	%100
24	M76	Z	6.159	6.159	0	%100
25	M77	X	-10.865	-10.865	0	%100
26	M77	Z	18.819	18.819	0	%100
27	M80	X	-11.444	-11.444	0	%100
28	M80	Z	19.822	19.822	0	%100
29	M84	X	-3.556	-3.556	0	%100
30	M84	Z	6.159	6.159	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	M52A	X	-2.107	-2.107	0	%100
36	M52A	Z	3.649	3.649	0	%100
37	M53	X	-5.813	-5.813	0	%100
38	M53	Z	10.068	10.068	0	%100
39	M54	X	-5.813	-5.813	0	%100
40	M54	Z	10.068	10.068	0	%100
41	M55	X	-10.668	-10.668	0	%100
42	M55	Z	18.477	18.477	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-5.924	-5.924	0	%100
46	M59A	Z	10.26	10.26	0	%100
47	M63	X	-3.556	-3.556	0	%100
48	M63	Z	6.159	6.159	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-3.556	-3.556	0	%100
54	M68	Z	6.159	6.159	0	%100
55	M69	X	-10.865	-10.865	0	%100
56	M69	Z	18.819	18.819	0	%100
57	M71	X	-11.444	-11.444	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	19.822	19.822	0	%100
59	M76A	X	-8.428	-8.428	0	%100
60	M76A	Z	14.597	14.597	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-5.924	-5.924	0	%100
68	M82	Z	10.26	10.26	0	%100
69	M83A	X	-5.924	-5.924	0	%100
70	M83A	Z	10.26	10.26	0	%100
71	M87	X	-14.224	-14.224	0	%100
72	M87	Z	24.636	24.636	0	%100
73	M88A	X	-10.865	-10.865	0	%100
74	M88A	Z	18.819	18.819	0	%100
75	M90	X	-11.444	-11.444	0	%100
76	M90	Z	19.822	19.822	0	%100
77	M92A	X	-14.224	-14.224	0	%100
78	M92A	Z	24.636	24.636	0	%100
79	M93	X	-10.865	-10.865	0	%100
80	M93	Z	18.819	18.819	0	%100
81	M95	X	-11.444	-11.444	0	%100
82	M95	Z	19.822	19.822	0	%100
83	M82A	X	-5.654	-5.654	0	%100
84	M82A	Z	9.792	9.792	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-6.816	-6.816	0	%100
88	MP3C	Z	11.805	11.805	0	%100
89	MP4C	X	-5.63	-5.63	0	%100
90	MP4C	Z	9.752	9.752	0	%100
91	MP2C	X	-5.63	-5.63	0	%100
92	MP2C	Z	9.752	9.752	0	%100
93	MP1C	X	-5.63	-5.63	0	%100
94	MP1C	Z	9.752	9.752	0	%100
95	MP3B	X	-6.816	-6.816	0	%100
96	MP3B	Z	11.805	11.805	0	%100
97	MP4B	X	-5.63	-5.63	0	%100
98	MP4B	Z	9.752	9.752	0	%100
99	MP2B	X	-5.63	-5.63	0	%100
100	MP2B	Z	9.752	9.752	0	%100
101	MP1B	X	-5.63	-5.63	0	%100
102	MP1B	Z	9.752	9.752	0	%100
103	M104	X	-5.112	-5.112	0	%100
104	M104	Z	8.854	8.854	0	%100
105	M109	X	-5.112	-5.112	0	%100
106	M109	Z	8.854	8.854	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	0	0	0	%100
109	M125A	X	-5.941	-5.941	0	%100
110	M125A	Z	10.29	10.29	0	%100
111	M126A	X	-5.941	-5.941	0	%100
112	M126A	Z	10.29	10.29	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.264	-3.264	0	%100
2	M1	Z	1.885	1.885	0	%100
3	M4	X	-10.948	-10.948	0	%100
4	M4	Z	6.321	6.321	0	%100
5	M10	X	-3.356	-3.356	0	%100
6	M10	Z	1.938	1.938	0	%100
7	MP3A	X	-11.805	-11.805	0	%100
8	MP3A	Z	6.816	6.816	0	%100
9	MP4A	X	-9.752	-9.752	0	%100
10	MP4A	Z	5.63	5.63	0	%100
11	MP2A	X	-9.752	-9.752	0	%100
12	MP2A	Z	5.63	5.63	0	%100
13	MP1A	X	-9.752	-9.752	0	%100
14	MP1A	Z	5.63	5.63	0	%100
15	M43	X	-3.356	-3.356	0	%100
16	M43	Z	1.938	1.938	0	%100
17	M46	X	-6.159	-6.159	0	%100
18	M46	Z	3.556	3.556	0	%100
19	M51B	X	-13.68	-13.68	0	%100
20	M51B	Z	7.898	7.898	0	%100
21	M52B	X	-3.42	-3.42	0	%100
22	M52B	Z	1.975	1.975	0	%100
23	M76	X	-18.477	-18.477	0	%100
24	M76	Z	10.668	10.668	0	%100
25	M77	X	-25.092	-25.092	0	%100
26	M77	Z	14.487	14.487	0	%100
27	M80	X	-26.429	-26.429	0	%100
28	M80	Z	15.259	15.259	0	%100
29	M84	X	-18.477	-18.477	0	%100
30	M84	Z	10.668	10.668	0	%100
31	M85	X	-6.273	-6.273	0	%100
32	M85	Z	3.622	3.622	0	%100
33	M91	X	-6.607	-6.607	0	%100
34	M91	Z	3.815	3.815	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-13.424	-13.424	0	%100
38	M53	Z	7.751	7.751	0	%100
39	M54	X	-13.424	-13.424	0	%100
40	M54	Z	7.751	7.751	0	%100
41	M55	X	-24.636	-24.636	0	%100
42	M55	Z	14.224	14.224	0	%100
43	M58A	X	-3.42	-3.42	0	%100
44	M58A	Z	1.975	1.975	0	%100
45	M59A	X	-3.42	-3.42	0	%100
46	M59A	Z	1.975	1.975	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-6.273	-6.273	0	%100
50	M64	Z	3.622	3.622	0	%100
51	M66	X	-6.607	-6.607	0	%100
52	M66	Z	3.815	3.815	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-6.273	-6.273	0	%100
56	M69	Z	3.622	3.622	0	%100
57	M71	X	-6.607	-6.607	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	3.815	3.815	0	%100
59	M76A	X	-10.948	-10.948	0	%100
60	M76A	Z	6.321	6.321	0	%100
61	M77A	X	-3.356	-3.356	0	%100
62	M77A	Z	1.938	1.938	0	%100
63	M78	X	-3.356	-3.356	0	%100
64	M78	Z	1.938	1.938	0	%100
65	M79A	X	-6.159	-6.159	0	%100
66	M79A	Z	3.556	3.556	0	%100
67	M82	X	-3.42	-3.42	0	%100
68	M82	Z	1.975	1.975	0	%100
69	M83A	X	-13.68	-13.68	0	%100
70	M83A	Z	7.898	7.898	0	%100
71	M87	X	-18.477	-18.477	0	%100
72	M87	Z	10.668	10.668	0	%100
73	M88A	X	-6.273	-6.273	0	%100
74	M88A	Z	3.622	3.622	0	%100
75	M90	X	-6.607	-6.607	0	%100
76	M90	Z	3.815	3.815	0	%100
77	M92A	X	-18.477	-18.477	0	%100
78	M92A	Z	10.668	10.668	0	%100
79	M93	X	-25.092	-25.092	0	%100
80	M93	Z	14.487	14.487	0	%100
81	M95	X	-26.429	-26.429	0	%100
82	M95	Z	15.259	15.259	0	%100
83	M82A	X	-13.056	-13.056	0	%100
84	M82A	Z	7.538	7.538	0	%100
85	M91B	X	-3.264	-3.264	0	%100
86	M91B	Z	1.885	1.885	0	%100
87	MP3C	X	-11.805	-11.805	0	%100
88	MP3C	Z	6.816	6.816	0	%100
89	MP4C	X	-9.752	-9.752	0	%100
90	MP4C	Z	5.63	5.63	0	%100
91	MP2C	X	-9.752	-9.752	0	%100
92	MP2C	Z	5.63	5.63	0	%100
93	MP1C	X	-9.752	-9.752	0	%100
94	MP1C	Z	5.63	5.63	0	%100
95	MP3B	X	-11.805	-11.805	0	%100
96	MP3B	Z	6.816	6.816	0	%100
97	MP4B	X	-9.752	-9.752	0	%100
98	MP4B	Z	5.63	5.63	0	%100
99	MP2B	X	-9.752	-9.752	0	%100
100	MP2B	Z	5.63	5.63	0	%100
101	MP1B	X	-9.752	-9.752	0	%100
102	MP1B	Z	5.63	5.63	0	%100
103	M104	X	-2.951	-2.951	0	%100
104	M104	Z	1.704	1.704	0	%100
105	M109	X	-11.805	-11.805	0	%100
106	M109	Z	6.816	6.816	0	%100
107	M114	X	-2.951	-2.951	0	%100
108	M114	Z	1.704	1.704	0	%100
109	M125A	X	-3.43	-3.43	0	%100
110	M125A	Z	1.98	1.98	0	%100
111	M126A	X	-13.72	-13.72	0	%100
112	M126A	Z	7.921	7.921	0	%100
113	M127A	X	-3.43	-3.43	0	%100
114	M127A	Z	1.98	1.98	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-16.855	-16.855	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	-13.631	-13.631	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-11.26	-11.26	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-11.26	-11.26	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-11.26	-11.26	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	-11.847	-11.847	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-11.847	-11.847	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-28.447	-28.447	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-21.731	-21.731	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-22.888	-22.888	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-28.447	-28.447	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-21.731	-21.731	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-22.888	-22.888	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-4.214	-4.214	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-11.626	-11.626	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-11.626	-11.626	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-21.336	-21.336	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-11.847	-11.847	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-7.112	-7.112	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-21.731	-21.731	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-22.888	-22.888	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-7.112	-7.112	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	0	0	0	%100
59	M76A	X	-4.214	-4.214	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-11.626	-11.626	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-11.626	-11.626	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-21.336	-21.336	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-11.847	-11.847	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-7.112	-7.112	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-7.112	-7.112	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-21.731	-21.731	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-22.888	-22.888	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-11.307	-11.307	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-11.307	-11.307	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-13.631	-13.631	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-11.26	-11.26	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	-11.26	-11.26	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-11.26	-11.26	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	-13.631	-13.631	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	-11.26	-11.26	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-11.26	-11.26	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-11.26	-11.26	0	%100
102	MP1B	Z	0	0	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M109	X	-10.223	-10.223	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	-10.223	-10.223	0	%100
108	M114	Z	0	0	0	%100
109	M125A	X	0	0	0	%100
110	M125A	Z	0	0	0	%100
111	M126A	X	-11.882	-11.882	0	%100
112	M126A	Z	0	0	0	%100
113	M127A	X	-11.882	-11.882	0	%100
114	M127A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.264	-3.264	0	%100
2	M1	Z	-1.885	-1.885	0	%100
3	M4	X	-10.948	-10.948	0	%100
4	M4	Z	-6.321	-6.321	0	%100
5	M10	X	-3.356	-3.356	0	%100
6	M10	Z	-1.938	-1.938	0	%100
7	MP3A	X	-11.805	-11.805	0	%100
8	MP3A	Z	-6.816	-6.816	0	%100
9	MP4A	X	-9.752	-9.752	0	%100
10	MP4A	Z	-5.63	-5.63	0	%100
11	MP2A	X	-9.752	-9.752	0	%100
12	MP2A	Z	-5.63	-5.63	0	%100
13	MP1A	X	-9.752	-9.752	0	%100
14	MP1A	Z	-5.63	-5.63	0	%100
15	M43	X	-3.356	-3.356	0	%100
16	M43	Z	-1.938	-1.938	0	%100
17	M46	X	-6.159	-6.159	0	%100
18	M46	Z	-3.556	-3.556	0	%100
19	M51B	X	-3.42	-3.42	0	%100
20	M51B	Z	-1.975	-1.975	0	%100
21	M52B	X	-13.68	-13.68	0	%100
22	M52B	Z	-7.898	-7.898	0	%100
23	M76	X	-18.477	-18.477	0	%100
24	M76	Z	-10.668	-10.668	0	%100
25	M77	X	-6.273	-6.273	0	%100
26	M77	Z	-3.622	-3.622	0	%100
27	M80	X	-6.607	-6.607	0	%100
28	M80	Z	-3.815	-3.815	0	%100
29	M84	X	-18.477	-18.477	0	%100
30	M84	Z	-10.668	-10.668	0	%100
31	M85	X	-25.092	-25.092	0	%100
32	M85	Z	-14.487	-14.487	0	%100
33	M91	X	-26.429	-26.429	0	%100
34	M91	Z	-15.259	-15.259	0	%100
35	M52A	X	-10.948	-10.948	0	%100
36	M52A	Z	-6.321	-6.321	0	%100
37	M53	X	-3.356	-3.356	0	%100
38	M53	Z	-1.938	-1.938	0	%100
39	M54	X	-3.356	-3.356	0	%100
40	M54	Z	-1.938	-1.938	0	%100
41	M55	X	-6.159	-6.159	0	%100
42	M55	Z	-3.556	-3.556	0	%100
43	M58A	X	-13.68	-13.68	0	%100
44	M58A	Z	-7.898	-7.898	0	%100
45	M59A	X	-3.42	-3.42	0	%100
46	M59A	Z	-1.975	-1.975	0	%100
47	M63	X	-18.477	-18.477	0	%100
48	M63	Z	-10.668	-10.668	0	%100
49	M64	X	-25.092	-25.092	0	%100
50	M64	Z	-14.487	-14.487	0	%100
51	M66	X	-26.429	-26.429	0	%100
52	M66	Z	-15.259	-15.259	0	%100
53	M68	X	-18.477	-18.477	0	%100
54	M68	Z	-10.668	-10.668	0	%100
55	M69	X	-6.273	-6.273	0	%100
56	M69	Z	-3.622	-3.622	0	%100
57	M71	X	-6.607	-6.607	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	-3.815	-3.815	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-13.424	-13.424	0	%100
62	M77A	Z	-7.751	-7.751	0	%100
63	M78	X	-13.424	-13.424	0	%100
64	M78	Z	-7.751	-7.751	0	%100
65	M79A	X	-24.636	-24.636	0	%100
66	M79A	Z	-14.224	-14.224	0	%100
67	M82	X	-3.42	-3.42	0	%100
68	M82	Z	-1.975	-1.975	0	%100
69	M83A	X	-3.42	-3.42	0	%100
70	M83A	Z	-1.975	-1.975	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-6.273	-6.273	0	%100
74	M88A	Z	-3.622	-3.622	0	%100
75	M90	X	-6.607	-6.607	0	%100
76	M90	Z	-3.815	-3.815	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-6.273	-6.273	0	%100
80	M93	Z	-3.622	-3.622	0	%100
81	M95	X	-6.607	-6.607	0	%100
82	M95	Z	-3.815	-3.815	0	%100
83	M82A	X	-3.264	-3.264	0	%100
84	M82A	Z	-1.885	-1.885	0	%100
85	M91B	X	-13.056	-13.056	0	%100
86	M91B	Z	-7.538	-7.538	0	%100
87	MP3C	X	-11.805	-11.805	0	%100
88	MP3C	Z	-6.816	-6.816	0	%100
89	MP4C	X	-9.752	-9.752	0	%100
90	MP4C	Z	-5.63	-5.63	0	%100
91	MP2C	X	-9.752	-9.752	0	%100
92	MP2C	Z	-5.63	-5.63	0	%100
93	MP1C	X	-9.752	-9.752	0	%100
94	MP1C	Z	-5.63	-5.63	0	%100
95	MP3B	X	-11.805	-11.805	0	%100
96	MP3B	Z	-6.816	-6.816	0	%100
97	MP4B	X	-9.752	-9.752	0	%100
98	MP4B	Z	-5.63	-5.63	0	%100
99	MP2B	X	-9.752	-9.752	0	%100
100	MP2B	Z	-5.63	-5.63	0	%100
101	MP1B	X	-9.752	-9.752	0	%100
102	MP1B	Z	-5.63	-5.63	0	%100
103	M104	X	-2.951	-2.951	0	%100
104	M104	Z	-1.704	-1.704	0	%100
105	M109	X	-2.951	-2.951	0	%100
106	M109	Z	-1.704	-1.704	0	%100
107	M114	X	-11.805	-11.805	0	%100
108	M114	Z	-6.816	-6.816	0	%100
109	M125A	X	-3.43	-3.43	0	%100
110	M125A	Z	-1.98	-1.98	0	%100
111	M126A	X	-3.43	-3.43	0	%100
112	M126A	Z	-1.98	-1.98	0	%100
113	M127A	X	-13.72	-13.72	0	%100
114	M127A	Z	-7.921	-7.921	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.654	-5.654	0	%100
2	M1	Z	-9.792	-9.792	0	%100
3	M4	X	-2.107	-2.107	0	%100
4	M4	Z	-3.649	-3.649	0	%100
5	M10	X	-5.813	-5.813	0	%100
6	M10	Z	-10.068	-10.068	0	%100
7	MP3A	X	-6.816	-6.816	0	%100
8	MP3A	Z	-11.805	-11.805	0	%100
9	MP4A	X	-5.63	-5.63	0	%100
10	MP4A	Z	-9.752	-9.752	0	%100
11	MP2A	X	-5.63	-5.63	0	%100
12	MP2A	Z	-9.752	-9.752	0	%100
13	MP1A	X	-5.63	-5.63	0	%100
14	MP1A	Z	-9.752	-9.752	0	%100
15	M43	X	-5.813	-5.813	0	%100
16	M43	Z	-10.068	-10.068	0	%100
17	M46	X	-10.668	-10.668	0	%100
18	M46	Z	-18.477	-18.477	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-5.924	-5.924	0	%100
22	M52B	Z	-10.26	-10.26	0	%100
23	M76	X	-3.556	-3.556	0	%100
24	M76	Z	-6.159	-6.159	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	-3.556	-3.556	0	%100
30	M84	Z	-6.159	-6.159	0	%100
31	M85	X	-10.865	-10.865	0	%100
32	M85	Z	-18.819	-18.819	0	%100
33	M91	X	-11.444	-11.444	0	%100
34	M91	Z	-19.822	-19.822	0	%100
35	M52A	X	-8.428	-8.428	0	%100
36	M52A	Z	-14.597	-14.597	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-5.924	-5.924	0	%100
44	M58A	Z	-10.26	-10.26	0	%100
45	M59A	X	-5.924	-5.924	0	%100
46	M59A	Z	-10.26	-10.26	0	%100
47	M63	X	-14.224	-14.224	0	%100
48	M63	Z	-24.636	-24.636	0	%100
49	M64	X	-10.865	-10.865	0	%100
50	M64	Z	-18.819	-18.819	0	%100
51	M66	X	-11.444	-11.444	0	%100
52	M66	Z	-19.822	-19.822	0	%100
53	M68	X	-14.224	-14.224	0	%100
54	M68	Z	-24.636	-24.636	0	%100
55	M69	X	-10.865	-10.865	0	%100
56	M69	Z	-18.819	-18.819	0	%100
57	M71	X	-11.444	-11.444	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	-19.822	-19.822	0	%100
59	M76A	X	-2.107	-2.107	0	%100
60	M76A	Z	-3.649	-3.649	0	%100
61	M77A	X	-5.813	-5.813	0	%100
62	M77A	Z	-10.068	-10.068	0	%100
63	M78	X	-5.813	-5.813	0	%100
64	M78	Z	-10.068	-10.068	0	%100
65	M79A	X	-10.668	-10.668	0	%100
66	M79A	Z	-18.477	-18.477	0	%100
67	M82	X	-5.924	-5.924	0	%100
68	M82	Z	-10.26	-10.26	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-3.556	-3.556	0	%100
72	M87	Z	-6.159	-6.159	0	%100
73	M88A	X	-10.865	-10.865	0	%100
74	M88A	Z	-18.819	-18.819	0	%100
75	M90	X	-11.444	-11.444	0	%100
76	M90	Z	-19.822	-19.822	0	%100
77	M92A	X	-3.556	-3.556	0	%100
78	M92A	Z	-6.159	-6.159	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-5.654	-5.654	0	%100
86	M91B	Z	-9.792	-9.792	0	%100
87	MP3C	X	-6.816	-6.816	0	%100
88	MP3C	Z	-11.805	-11.805	0	%100
89	MP4C	X	-5.63	-5.63	0	%100
90	MP4C	Z	-9.752	-9.752	0	%100
91	MP2C	X	-5.63	-5.63	0	%100
92	MP2C	Z	-9.752	-9.752	0	%100
93	MP1C	X	-5.63	-5.63	0	%100
94	MP1C	Z	-9.752	-9.752	0	%100
95	MP3B	X	-6.816	-6.816	0	%100
96	MP3B	Z	-11.805	-11.805	0	%100
97	MP4B	X	-5.63	-5.63	0	%100
98	MP4B	Z	-9.752	-9.752	0	%100
99	MP2B	X	-5.63	-5.63	0	%100
100	MP2B	Z	-9.752	-9.752	0	%100
101	MP1B	X	-5.63	-5.63	0	%100
102	MP1B	Z	-9.752	-9.752	0	%100
103	M104	X	-5.112	-5.112	0	%100
104	M104	Z	-8.854	-8.854	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	-5.112	-5.112	0	%100
108	M114	Z	-8.854	-8.854	0	%100
109	M125A	X	-5.941	-5.941	0	%100
110	M125A	Z	-10.29	-10.29	0	%100
111	M126A	X	0	0	0	%100
112	M126A	Z	0	0	0	%100
113	M127A	X	-5.941	-5.941	0	%100
114	M127A	Z	-10.29	-10.29	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-4.268	-4.268	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	-3.701	-3.701	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-3.809	-3.809	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-3.441	-3.441	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-3.441	-3.441	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-3.441	-3.441	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-3.701	-3.701	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-5.489	-5.489	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-1.01	-1.01	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-1.01	-1.01	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	-1.37	-1.37	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-1.43	-1.43	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	-1.37	-1.37	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-1.43	-1.43	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-3.231	-3.231	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-.925	-.925	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-.925	-.925	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-1.372	-1.372	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-1.01	-1.01	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-4.039	-4.039	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-4.049	-4.049	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-1.37	-1.37	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-1.43	-1.43	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-4.049	-4.049	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-5.48	-5.48	0	%100
57	M71	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	-5.72	-5.72	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-3.231	-3.231	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-.925	-.925	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-.925	-.925	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-1.372	-1.372	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-4.039	-4.039	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-1.01	-1.01	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-4.049	-4.049	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-5.48	-5.48	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-5.72	-5.72	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-4.049	-4.049	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-1.37	-1.37	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-1.43	-1.43	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-1.067	-1.067	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-1.067	-1.067	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-3.809	-3.809	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-3.441	-3.441	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-3.441	-3.441	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-3.441	-3.441	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-3.809	-3.809	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-3.441	-3.441	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-3.441	-3.441	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-3.441	-3.441	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-3.809	-3.809	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	-.952	-.952	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	-.952	-.952	0	%100
109	M125A	X	0	0	0	%100
110	M125A	Z	-3.594	-3.594	0	%100
111	M126A	X	0	0	0	%100
112	M126A	Z	-.898	-.898	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	-.898	-.898	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.6	1.6	0	%100
2	M1	Z	-2.772	-2.772	0	%100
3	M4	X	.539	.539	0	%100
4	M4	Z	-.933	-.933	0	%100
5	M10	X	1.388	1.388	0	%100
6	M10	Z	-2.404	-2.404	0	%100
7	MP3A	X	1.904	1.904	0	%100
8	MP3A	Z	-3.298	-3.298	0	%100
9	MP4A	X	1.721	1.721	0	%100
10	MP4A	Z	-2.98	-2.98	0	%100
11	MP2A	X	1.721	1.721	0	%100
12	MP2A	Z	-2.98	-2.98	0	%100
13	MP1A	X	1.721	1.721	0	%100
14	MP1A	Z	-2.98	-2.98	0	%100
15	M43	X	1.388	1.388	0	%100
16	M43	Z	-2.404	-2.404	0	%100
17	M46	X	2.058	2.058	0	%100
18	M46	Z	-3.565	-3.565	0	%100
19	M51B	X	1.515	1.515	0	%100
20	M51B	Z	-2.623	-2.623	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.675	.675	0	%100
24	M76	Z	-1.169	-1.169	0	%100
25	M77	X	2.055	2.055	0	%100
26	M77	Z	-3.56	-3.56	0	%100
27	M80	X	2.145	2.145	0	%100
28	M80	Z	-3.715	-3.715	0	%100
29	M84	X	.675	.675	0	%100
30	M84	Z	-1.169	-1.169	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	M52A	X	.539	.539	0	%100
36	M52A	Z	-.933	-.933	0	%100
37	M53	X	1.388	1.388	0	%100
38	M53	Z	-2.404	-2.404	0	%100
39	M54	X	1.388	1.388	0	%100
40	M54	Z	-2.404	-2.404	0	%100
41	M55	X	2.058	2.058	0	%100
42	M55	Z	-3.565	-3.565	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	1.515	1.515	0	%100
46	M59A	Z	-2.623	-2.623	0	%100
47	M63	X	.675	.675	0	%100
48	M63	Z	-1.169	-1.169	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.675	.675	0	%100
54	M68	Z	-1.169	-1.169	0	%100
55	M69	X	2.055	2.055	0	%100
56	M69	Z	-3.56	-3.56	0	%100
57	M71	X	2.145	2.145	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	-3.715	-3.715	0	%100
59	M76A	X	2.154	2.154	0	%100
60	M76A	Z	-3.731	-3.731	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	1.515	1.515	0	%100
68	M82	Z	-2.623	-2.623	0	%100
69	M83A	X	1.515	1.515	0	%100
70	M83A	Z	-2.623	-2.623	0	%100
71	M87	X	2.699	2.699	0	%100
72	M87	Z	-4.675	-4.675	0	%100
73	M88A	X	2.055	2.055	0	%100
74	M88A	Z	-3.56	-3.56	0	%100
75	M90	X	2.145	2.145	0	%100
76	M90	Z	-3.715	-3.715	0	%100
77	M92A	X	2.699	2.699	0	%100
78	M92A	Z	-4.675	-4.675	0	%100
79	M93	X	2.055	2.055	0	%100
80	M93	Z	-3.56	-3.56	0	%100
81	M95	X	2.145	2.145	0	%100
82	M95	Z	-3.715	-3.715	0	%100
83	M82A	X	1.6	1.6	0	%100
84	M82A	Z	-2.772	-2.772	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	1.904	1.904	0	%100
88	MP3C	Z	-3.298	-3.298	0	%100
89	MP4C	X	1.721	1.721	0	%100
90	MP4C	Z	-2.98	-2.98	0	%100
91	MP2C	X	1.721	1.721	0	%100
92	MP2C	Z	-2.98	-2.98	0	%100
93	MP1C	X	1.721	1.721	0	%100
94	MP1C	Z	-2.98	-2.98	0	%100
95	MP3B	X	1.904	1.904	0	%100
96	MP3B	Z	-3.298	-3.298	0	%100
97	MP4B	X	1.721	1.721	0	%100
98	MP4B	Z	-2.98	-2.98	0	%100
99	MP2B	X	1.721	1.721	0	%100
100	MP2B	Z	-2.98	-2.98	0	%100
101	MP1B	X	1.721	1.721	0	%100
102	MP1B	Z	-2.98	-2.98	0	%100
103	M104	X	1.428	1.428	0	%100
104	M104	Z	-2.474	-2.474	0	%100
105	M109	X	1.428	1.428	0	%100
106	M109	Z	-2.474	-2.474	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	0	0	0	%100
109	M125A	X	1.348	1.348	0	%100
110	M125A	Z	-2.334	-2.334	0	%100
111	M126A	X	1.348	1.348	0	%100
112	M126A	Z	-2.334	-2.334	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.924	.924	0	%100
2	M1	Z	-.533	-.533	0	%100
3	M4	X	2.798	2.798	0	%100
4	M4	Z	-1.616	-1.616	0	%100
5	M10	X	.801	.801	0	%100
6	M10	Z	-.463	-.463	0	%100
7	MP3A	X	3.298	3.298	0	%100
8	MP3A	Z	-1.904	-1.904	0	%100
9	MP4A	X	2.98	2.98	0	%100
10	MP4A	Z	-1.721	-1.721	0	%100
11	MP2A	X	2.98	2.98	0	%100
12	MP2A	Z	-1.721	-1.721	0	%100
13	MP1A	X	2.98	2.98	0	%100
14	MP1A	Z	-1.721	-1.721	0	%100
15	M43	X	.801	.801	0	%100
16	M43	Z	-.463	-.463	0	%100
17	M46	X	1.188	1.188	0	%100
18	M46	Z	-.686	-.686	0	%100
19	M51B	X	3.498	3.498	0	%100
20	M51B	Z	-2.019	-2.019	0	%100
21	M52B	X	.874	.874	0	%100
22	M52B	Z	-.505	-.505	0	%100
23	M76	X	3.507	3.507	0	%100
24	M76	Z	-2.024	-2.024	0	%100
25	M77	X	4.746	4.746	0	%100
26	M77	Z	-2.74	-2.74	0	%100
27	M80	X	4.953	4.953	0	%100
28	M80	Z	-2.86	-2.86	0	%100
29	M84	X	3.507	3.507	0	%100
30	M84	Z	-2.024	-2.024	0	%100
31	M85	X	1.187	1.187	0	%100
32	M85	Z	-.685	-.685	0	%100
33	M91	X	1.238	1.238	0	%100
34	M91	Z	-.715	-.715	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	3.205	3.205	0	%100
38	M53	Z	-1.851	-1.851	0	%100
39	M54	X	3.205	3.205	0	%100
40	M54	Z	-1.851	-1.851	0	%100
41	M55	X	4.753	4.753	0	%100
42	M55	Z	-2.744	-2.744	0	%100
43	M58A	X	.874	.874	0	%100
44	M58A	Z	-.505	-.505	0	%100
45	M59A	X	.874	.874	0	%100
46	M59A	Z	-.505	-.505	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	1.187	1.187	0	%100
50	M64	Z	-.685	-.685	0	%100
51	M66	X	1.238	1.238	0	%100
52	M66	Z	-.715	-.715	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	1.187	1.187	0	%100
56	M69	Z	-.685	-.685	0	%100
57	M71	X	1.238	1.238	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	-.715	-.715	0	%100
59	M76A	X	2.798	2.798	0	%100
60	M76A	Z	-1.616	-1.616	0	%100
61	M77A	X	.801	.801	0	%100
62	M77A	Z	-.463	-.463	0	%100
63	M78	X	.801	.801	0	%100
64	M78	Z	-.463	-.463	0	%100
65	M79A	X	1.188	1.188	0	%100
66	M79A	Z	-.686	-.686	0	%100
67	M82	X	.874	.874	0	%100
68	M82	Z	-.505	-.505	0	%100
69	M83A	X	3.498	3.498	0	%100
70	M83A	Z	-2.019	-2.019	0	%100
71	M87	X	3.507	3.507	0	%100
72	M87	Z	-2.024	-2.024	0	%100
73	M88A	X	1.187	1.187	0	%100
74	M88A	Z	-.685	-.685	0	%100
75	M90	X	1.238	1.238	0	%100
76	M90	Z	-.715	-.715	0	%100
77	M92A	X	3.507	3.507	0	%100
78	M92A	Z	-2.024	-2.024	0	%100
79	M93	X	4.746	4.746	0	%100
80	M93	Z	-2.74	-2.74	0	%100
81	M95	X	4.953	4.953	0	%100
82	M95	Z	-2.86	-2.86	0	%100
83	M82A	X	3.696	3.696	0	%100
84	M82A	Z	-2.134	-2.134	0	%100
85	M91B	X	.924	.924	0	%100
86	M91B	Z	-.533	-.533	0	%100
87	MP3C	X	3.298	3.298	0	%100
88	MP3C	Z	-1.904	-1.904	0	%100
89	MP4C	X	2.98	2.98	0	%100
90	MP4C	Z	-1.721	-1.721	0	%100
91	MP2C	X	2.98	2.98	0	%100
92	MP2C	Z	-1.721	-1.721	0	%100
93	MP1C	X	2.98	2.98	0	%100
94	MP1C	Z	-1.721	-1.721	0	%100
95	MP3B	X	3.298	3.298	0	%100
96	MP3B	Z	-1.904	-1.904	0	%100
97	MP4B	X	2.98	2.98	0	%100
98	MP4B	Z	-1.721	-1.721	0	%100
99	MP2B	X	2.98	2.98	0	%100
100	MP2B	Z	-1.721	-1.721	0	%100
101	MP1B	X	2.98	2.98	0	%100
102	MP1B	Z	-1.721	-1.721	0	%100
103	M104	X	.825	.825	0	%100
104	M104	Z	-.476	-.476	0	%100
105	M109	X	3.298	3.298	0	%100
106	M109	Z	-1.904	-1.904	0	%100
107	M114	X	.825	.825	0	%100
108	M114	Z	-.476	-.476	0	%100
109	M125A	X	.778	.778	0	%100
110	M125A	Z	-.449	-.449	0	%100
111	M126A	X	3.112	3.112	0	%100
112	M126A	Z	-1.797	-1.797	0	%100
113	M127A	X	.778	.778	0	%100
114	M127A	Z	-.449	-.449	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	4.308	4.308	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	3.809	3.809	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	3.441	3.441	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	3.441	3.441	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	3.441	3.441	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	3.029	3.029	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	3.029	3.029	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	5.399	5.399	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	4.11	4.11	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	4.29	4.29	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	5.399	5.399	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	4.11	4.11	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	4.29	4.29	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	1.077	1.077	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	2.776	2.776	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	2.776	2.776	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	4.116	4.116	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	3.029	3.029	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	1.35	1.35	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	4.11	4.11	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	4.29	4.29	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	1.35	1.35	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	0	0	0	%100
59	M76A	X	1.077	1.077	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	2.776	2.776	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	2.776	2.776	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	4.116	4.116	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	3.029	3.029	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	1.35	1.35	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	1.35	1.35	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	4.11	4.11	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	4.29	4.29	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	3.201	3.201	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	3.201	3.201	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	3.809	3.809	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	3.441	3.441	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	3.441	3.441	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	3.441	3.441	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	3.809	3.809	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	3.441	3.441	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	3.441	3.441	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	3.441	3.441	0	%100
102	MP1B	Z	0	0	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M109	X	2.857	2.857	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	2.857	2.857	0	%100
108	M114	Z	0	0	0	%100
109	M125A	X	0	0	0	%100
110	M125A	Z	0	0	0	%100
111	M126A	X	2.695	2.695	0	%100
112	M126A	Z	0	0	0	%100
113	M127A	X	2.695	2.695	0	%100
114	M127A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.924	.924	0	%100
2	M1	Z	.533	.533	0	%100
3	M4	X	2.798	2.798	0	%100
4	M4	Z	1.616	1.616	0	%100
5	M10	X	.801	.801	0	%100
6	M10	Z	.463	.463	0	%100
7	MP3A	X	3.298	3.298	0	%100
8	MP3A	Z	1.904	1.904	0	%100
9	MP4A	X	2.98	2.98	0	%100
10	MP4A	Z	1.721	1.721	0	%100
11	MP2A	X	2.98	2.98	0	%100
12	MP2A	Z	1.721	1.721	0	%100
13	MP1A	X	2.98	2.98	0	%100
14	MP1A	Z	1.721	1.721	0	%100
15	M43	X	.801	.801	0	%100
16	M43	Z	.463	.463	0	%100
17	M46	X	1.188	1.188	0	%100
18	M46	Z	.686	.686	0	%100
19	M51B	X	.874	.874	0	%100
20	M51B	Z	.505	.505	0	%100
21	M52B	X	3.498	3.498	0	%100
22	M52B	Z	2.019	2.019	0	%100
23	M76	X	3.507	3.507	0	%100
24	M76	Z	2.024	2.024	0	%100
25	M77	X	1.187	1.187	0	%100
26	M77	Z	.685	.685	0	%100
27	M80	X	1.238	1.238	0	%100
28	M80	Z	.715	.715	0	%100
29	M84	X	3.507	3.507	0	%100
30	M84	Z	2.024	2.024	0	%100
31	M85	X	4.746	4.746	0	%100
32	M85	Z	2.74	2.74	0	%100
33	M91	X	4.953	4.953	0	%100
34	M91	Z	2.86	2.86	0	%100
35	M52A	X	2.798	2.798	0	%100
36	M52A	Z	1.616	1.616	0	%100
37	M53	X	.801	.801	0	%100
38	M53	Z	.463	.463	0	%100
39	M54	X	.801	.801	0	%100
40	M54	Z	.463	.463	0	%100
41	M55	X	1.188	1.188	0	%100
42	M55	Z	.686	.686	0	%100
43	M58A	X	3.498	3.498	0	%100
44	M58A	Z	2.019	2.019	0	%100
45	M59A	X	.874	.874	0	%100
46	M59A	Z	.505	.505	0	%100
47	M63	X	3.507	3.507	0	%100
48	M63	Z	2.024	2.024	0	%100
49	M64	X	4.746	4.746	0	%100
50	M64	Z	2.74	2.74	0	%100
51	M66	X	4.953	4.953	0	%100
52	M66	Z	2.86	2.86	0	%100
53	M68	X	3.507	3.507	0	%100
54	M68	Z	2.024	2.024	0	%100
55	M69	X	1.187	1.187	0	%100
56	M69	Z	.685	.685	0	%100
57	M71	X	1.238	1.238	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	.715	.715	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	3.205	3.205	0	%100
62	M77A	Z	1.851	1.851	0	%100
63	M78	X	3.205	3.205	0	%100
64	M78	Z	1.851	1.851	0	%100
65	M79A	X	4.753	4.753	0	%100
66	M79A	Z	2.744	2.744	0	%100
67	M82	X	.874	.874	0	%100
68	M82	Z	.505	.505	0	%100
69	M83A	X	.874	.874	0	%100
70	M83A	Z	.505	.505	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	1.187	1.187	0	%100
74	M88A	Z	.685	.685	0	%100
75	M90	X	1.238	1.238	0	%100
76	M90	Z	.715	.715	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	1.187	1.187	0	%100
80	M93	Z	.685	.685	0	%100
81	M95	X	1.238	1.238	0	%100
82	M95	Z	.715	.715	0	%100
83	M82A	X	.924	.924	0	%100
84	M82A	Z	.533	.533	0	%100
85	M91B	X	3.696	3.696	0	%100
86	M91B	Z	2.134	2.134	0	%100
87	MP3C	X	3.298	3.298	0	%100
88	MP3C	Z	1.904	1.904	0	%100
89	MP4C	X	2.98	2.98	0	%100
90	MP4C	Z	1.721	1.721	0	%100
91	MP2C	X	2.98	2.98	0	%100
92	MP2C	Z	1.721	1.721	0	%100
93	MP1C	X	2.98	2.98	0	%100
94	MP1C	Z	1.721	1.721	0	%100
95	MP3B	X	3.298	3.298	0	%100
96	MP3B	Z	1.904	1.904	0	%100
97	MP4B	X	2.98	2.98	0	%100
98	MP4B	Z	1.721	1.721	0	%100
99	MP2B	X	2.98	2.98	0	%100
100	MP2B	Z	1.721	1.721	0	%100
101	MP1B	X	2.98	2.98	0	%100
102	MP1B	Z	1.721	1.721	0	%100
103	M104	X	.825	.825	0	%100
104	M104	Z	.476	.476	0	%100
105	M109	X	.825	.825	0	%100
106	M109	Z	.476	.476	0	%100
107	M114	X	3.298	3.298	0	%100
108	M114	Z	1.904	1.904	0	%100
109	M125A	X	.778	.778	0	%100
110	M125A	Z	.449	.449	0	%100
111	M126A	X	.778	.778	0	%100
112	M126A	Z	.449	.449	0	%100
113	M127A	X	3.112	3.112	0	%100
114	M127A	Z	1.797	1.797	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.6	1.6	0	%100
2	M1	Z	2.772	2.772	0	%100
3	M4	X	.539	.539	0	%100
4	M4	Z	.933	.933	0	%100
5	M10	X	1.388	1.388	0	%100
6	M10	Z	2.404	2.404	0	%100
7	MP3A	X	1.904	1.904	0	%100
8	MP3A	Z	3.298	3.298	0	%100
9	MP4A	X	1.721	1.721	0	%100
10	MP4A	Z	2.98	2.98	0	%100
11	MP2A	X	1.721	1.721	0	%100
12	MP2A	Z	2.98	2.98	0	%100
13	MP1A	X	1.721	1.721	0	%100
14	MP1A	Z	2.98	2.98	0	%100
15	M43	X	1.388	1.388	0	%100
16	M43	Z	2.404	2.404	0	%100
17	M46	X	2.058	2.058	0	%100
18	M46	Z	3.565	3.565	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	1.515	1.515	0	%100
22	M52B	Z	2.623	2.623	0	%100
23	M76	X	.675	.675	0	%100
24	M76	Z	1.169	1.169	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	.675	.675	0	%100
30	M84	Z	1.169	1.169	0	%100
31	M85	X	2.055	2.055	0	%100
32	M85	Z	3.56	3.56	0	%100
33	M91	X	2.145	2.145	0	%100
34	M91	Z	3.715	3.715	0	%100
35	M52A	X	2.154	2.154	0	%100
36	M52A	Z	3.731	3.731	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	1.515	1.515	0	%100
44	M58A	Z	2.623	2.623	0	%100
45	M59A	X	1.515	1.515	0	%100
46	M59A	Z	2.623	2.623	0	%100
47	M63	X	2.699	2.699	0	%100
48	M63	Z	4.675	4.675	0	%100
49	M64	X	2.055	2.055	0	%100
50	M64	Z	3.56	3.56	0	%100
51	M66	X	2.145	2.145	0	%100
52	M66	Z	3.715	3.715	0	%100
53	M68	X	2.699	2.699	0	%100
54	M68	Z	4.675	4.675	0	%100
55	M69	X	2.055	2.055	0	%100
56	M69	Z	3.56	3.56	0	%100
57	M71	X	2.145	2.145	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	3.715	3.715	0	%100
59	M76A	X	.539	.539	0	%100
60	M76A	Z	.933	.933	0	%100
61	M77A	X	1.388	1.388	0	%100
62	M77A	Z	2.404	2.404	0	%100
63	M78	X	1.388	1.388	0	%100
64	M78	Z	2.404	2.404	0	%100
65	M79A	X	2.058	2.058	0	%100
66	M79A	Z	3.565	3.565	0	%100
67	M82	X	1.515	1.515	0	%100
68	M82	Z	2.623	2.623	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.675	.675	0	%100
72	M87	Z	1.169	1.169	0	%100
73	M88A	X	2.055	2.055	0	%100
74	M88A	Z	3.56	3.56	0	%100
75	M90	X	2.145	2.145	0	%100
76	M90	Z	3.715	3.715	0	%100
77	M92A	X	.675	.675	0	%100
78	M92A	Z	1.169	1.169	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	1.6	1.6	0	%100
86	M91B	Z	2.772	2.772	0	%100
87	MP3C	X	1.904	1.904	0	%100
88	MP3C	Z	3.298	3.298	0	%100
89	MP4C	X	1.721	1.721	0	%100
90	MP4C	Z	2.98	2.98	0	%100
91	MP2C	X	1.721	1.721	0	%100
92	MP2C	Z	2.98	2.98	0	%100
93	MP1C	X	1.721	1.721	0	%100
94	MP1C	Z	2.98	2.98	0	%100
95	MP3B	X	1.904	1.904	0	%100
96	MP3B	Z	3.298	3.298	0	%100
97	MP4B	X	1.721	1.721	0	%100
98	MP4B	Z	2.98	2.98	0	%100
99	MP2B	X	1.721	1.721	0	%100
100	MP2B	Z	2.98	2.98	0	%100
101	MP1B	X	1.721	1.721	0	%100
102	MP1B	Z	2.98	2.98	0	%100
103	M104	X	1.428	1.428	0	%100
104	M104	Z	2.474	2.474	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	1.428	1.428	0	%100
108	M114	Z	2.474	2.474	0	%100
109	M125A	X	1.348	1.348	0	%100
110	M125A	Z	2.334	2.334	0	%100
111	M126A	X	0	0	0	%100
112	M126A	Z	0	0	0	%100
113	M127A	X	1.348	1.348	0	%100
114	M127A	Z	2.334	2.334	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	4.268	4.268	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	3.701	3.701	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	3.809	3.809	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	3.441	3.441	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	3.441	3.441	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	3.441	3.441	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	3.701	3.701	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	5.489	5.489	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	1.01	1.01	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	1.01	1.01	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	1.37	1.37	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	1.43	1.43	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	1.37	1.37	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	1.43	1.43	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	3.231	3.231	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	.925	.925	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	.925	.925	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	1.372	1.372	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	1.01	1.01	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	4.039	4.039	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	4.049	4.049	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	1.37	1.37	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	1.43	1.43	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	4.049	4.049	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	5.48	5.48	0	%100
57	M71	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	5.72	5.72	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	3.231	3.231	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	.925	.925	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	.925	.925	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	1.372	1.372	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	4.039	4.039	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	1.01	1.01	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	4.049	4.049	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	5.48	5.48	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	5.72	5.72	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	4.049	4.049	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	1.37	1.37	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	1.43	1.43	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	1.067	1.067	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	1.067	1.067	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	3.809	3.809	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	3.441	3.441	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	3.441	3.441	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	3.441	3.441	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	3.809	3.809	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	3.441	3.441	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	3.441	3.441	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	3.441	3.441	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	3.809	3.809	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	.952	.952	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	.952	.952	0	%100
109	M125A	X	0	0	0	%100
110	M125A	Z	3.594	3.594	0	%100
111	M126A	X	0	0	0	%100
112	M126A	Z	.898	.898	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	.898	.898	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.6	-1.6	0	%100
2	M1	Z	2.772	2.772	0	%100
3	M4	X	-.539	-.539	0	%100
4	M4	Z	.933	.933	0	%100
5	M10	X	-1.388	-1.388	0	%100
6	M10	Z	2.404	2.404	0	%100
7	MP3A	X	-1.904	-1.904	0	%100
8	MP3A	Z	3.298	3.298	0	%100
9	MP4A	X	-1.721	-1.721	0	%100
10	MP4A	Z	2.98	2.98	0	%100
11	MP2A	X	-1.721	-1.721	0	%100
12	MP2A	Z	2.98	2.98	0	%100
13	MP1A	X	-1.721	-1.721	0	%100
14	MP1A	Z	2.98	2.98	0	%100
15	M43	X	-1.388	-1.388	0	%100
16	M43	Z	2.404	2.404	0	%100
17	M46	X	-2.058	-2.058	0	%100
18	M46	Z	3.565	3.565	0	%100
19	M51B	X	-1.515	-1.515	0	%100
20	M51B	Z	2.623	2.623	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-.675	-.675	0	%100
24	M76	Z	1.169	1.169	0	%100
25	M77	X	-2.055	-2.055	0	%100
26	M77	Z	3.56	3.56	0	%100
27	M80	X	-2.145	-2.145	0	%100
28	M80	Z	3.715	3.715	0	%100
29	M84	X	-.675	-.675	0	%100
30	M84	Z	1.169	1.169	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	M52A	X	-.539	-.539	0	%100
36	M52A	Z	.933	.933	0	%100
37	M53	X	-1.388	-1.388	0	%100
38	M53	Z	2.404	2.404	0	%100
39	M54	X	-1.388	-1.388	0	%100
40	M54	Z	2.404	2.404	0	%100
41	M55	X	-2.058	-2.058	0	%100
42	M55	Z	3.565	3.565	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-1.515	-1.515	0	%100
46	M59A	Z	2.623	2.623	0	%100
47	M63	X	-.675	-.675	0	%100
48	M63	Z	1.169	1.169	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-.675	-.675	0	%100
54	M68	Z	1.169	1.169	0	%100
55	M69	X	-2.055	-2.055	0	%100
56	M69	Z	3.56	3.56	0	%100
57	M71	X	-2.145	-2.145	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	3.715	3.715	0	%100
59	M76A	X	-2.154	-2.154	0	%100
60	M76A	Z	3.731	3.731	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-1.515	-1.515	0	%100
68	M82	Z	2.623	2.623	0	%100
69	M83A	X	-1.515	-1.515	0	%100
70	M83A	Z	2.623	2.623	0	%100
71	M87	X	-2.699	-2.699	0	%100
72	M87	Z	4.675	4.675	0	%100
73	M88A	X	-2.055	-2.055	0	%100
74	M88A	Z	3.56	3.56	0	%100
75	M90	X	-2.145	-2.145	0	%100
76	M90	Z	3.715	3.715	0	%100
77	M92A	X	-2.699	-2.699	0	%100
78	M92A	Z	4.675	4.675	0	%100
79	M93	X	-2.055	-2.055	0	%100
80	M93	Z	3.56	3.56	0	%100
81	M95	X	-2.145	-2.145	0	%100
82	M95	Z	3.715	3.715	0	%100
83	M82A	X	-1.6	-1.6	0	%100
84	M82A	Z	2.772	2.772	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-1.904	-1.904	0	%100
88	MP3C	Z	3.298	3.298	0	%100
89	MP4C	X	-1.721	-1.721	0	%100
90	MP4C	Z	2.98	2.98	0	%100
91	MP2C	X	-1.721	-1.721	0	%100
92	MP2C	Z	2.98	2.98	0	%100
93	MP1C	X	-1.721	-1.721	0	%100
94	MP1C	Z	2.98	2.98	0	%100
95	MP3B	X	-1.904	-1.904	0	%100
96	MP3B	Z	3.298	3.298	0	%100
97	MP4B	X	-1.721	-1.721	0	%100
98	MP4B	Z	2.98	2.98	0	%100
99	MP2B	X	-1.721	-1.721	0	%100
100	MP2B	Z	2.98	2.98	0	%100
101	MP1B	X	-1.721	-1.721	0	%100
102	MP1B	Z	2.98	2.98	0	%100
103	M104	X	-1.428	-1.428	0	%100
104	M104	Z	2.474	2.474	0	%100
105	M109	X	-1.428	-1.428	0	%100
106	M109	Z	2.474	2.474	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	0	0	0	%100
109	M125A	X	-1.348	-1.348	0	%100
110	M125A	Z	2.334	2.334	0	%100
111	M126A	X	-1.348	-1.348	0	%100
112	M126A	Z	2.334	2.334	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.924	-.924	0	%100
2	M1	Z	.533	.533	0	%100
3	M4	X	-2.798	-2.798	0	%100
4	M4	Z	1.616	1.616	0	%100
5	M10	X	-.801	-.801	0	%100
6	M10	Z	.463	.463	0	%100
7	MP3A	X	-3.298	-3.298	0	%100
8	MP3A	Z	1.904	1.904	0	%100
9	MP4A	X	-2.98	-2.98	0	%100
10	MP4A	Z	1.721	1.721	0	%100
11	MP2A	X	-2.98	-2.98	0	%100
12	MP2A	Z	1.721	1.721	0	%100
13	MP1A	X	-2.98	-2.98	0	%100
14	MP1A	Z	1.721	1.721	0	%100
15	M43	X	-.801	-.801	0	%100
16	M43	Z	.463	.463	0	%100
17	M46	X	-1.188	-1.188	0	%100
18	M46	Z	.686	.686	0	%100
19	M51B	X	-3.498	-3.498	0	%100
20	M51B	Z	2.019	2.019	0	%100
21	M52B	X	-.874	-.874	0	%100
22	M52B	Z	.505	.505	0	%100
23	M76	X	-3.507	-3.507	0	%100
24	M76	Z	2.024	2.024	0	%100
25	M77	X	-4.746	-4.746	0	%100
26	M77	Z	2.74	2.74	0	%100
27	M80	X	-4.953	-4.953	0	%100
28	M80	Z	2.86	2.86	0	%100
29	M84	X	-3.507	-3.507	0	%100
30	M84	Z	2.024	2.024	0	%100
31	M85	X	-1.187	-1.187	0	%100
32	M85	Z	.685	.685	0	%100
33	M91	X	-1.238	-1.238	0	%100
34	M91	Z	.715	.715	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-3.205	-3.205	0	%100
38	M53	Z	1.851	1.851	0	%100
39	M54	X	-3.205	-3.205	0	%100
40	M54	Z	1.851	1.851	0	%100
41	M55	X	-4.753	-4.753	0	%100
42	M55	Z	2.744	2.744	0	%100
43	M58A	X	-.874	-.874	0	%100
44	M58A	Z	.505	.505	0	%100
45	M59A	X	-.874	-.874	0	%100
46	M59A	Z	.505	.505	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-1.187	-1.187	0	%100
50	M64	Z	.685	.685	0	%100
51	M66	X	-1.238	-1.238	0	%100
52	M66	Z	.715	.715	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-1.187	-1.187	0	%100
56	M69	Z	.685	.685	0	%100
57	M71	X	-1.238	-1.238	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	.715	.715	0	%100
59	M76A	X	-2.798	-2.798	0	%100
60	M76A	Z	1.616	1.616	0	%100
61	M77A	X	-.801	-.801	0	%100
62	M77A	Z	.463	.463	0	%100
63	M78	X	-.801	-.801	0	%100
64	M78	Z	.463	.463	0	%100
65	M79A	X	-1.188	-1.188	0	%100
66	M79A	Z	.686	.686	0	%100
67	M82	X	-.874	-.874	0	%100
68	M82	Z	.505	.505	0	%100
69	M83A	X	-3.498	-3.498	0	%100
70	M83A	Z	2.019	2.019	0	%100
71	M87	X	-3.507	-3.507	0	%100
72	M87	Z	2.024	2.024	0	%100
73	M88A	X	-1.187	-1.187	0	%100
74	M88A	Z	.685	.685	0	%100
75	M90	X	-1.238	-1.238	0	%100
76	M90	Z	.715	.715	0	%100
77	M92A	X	-3.507	-3.507	0	%100
78	M92A	Z	2.024	2.024	0	%100
79	M93	X	-4.746	-4.746	0	%100
80	M93	Z	2.74	2.74	0	%100
81	M95	X	-4.953	-4.953	0	%100
82	M95	Z	2.86	2.86	0	%100
83	M82A	X	-3.696	-3.696	0	%100
84	M82A	Z	2.134	2.134	0	%100
85	M91B	X	-.924	-.924	0	%100
86	M91B	Z	.533	.533	0	%100
87	MP3C	X	-3.298	-3.298	0	%100
88	MP3C	Z	1.904	1.904	0	%100
89	MP4C	X	-2.98	-2.98	0	%100
90	MP4C	Z	1.721	1.721	0	%100
91	MP2C	X	-2.98	-2.98	0	%100
92	MP2C	Z	1.721	1.721	0	%100
93	MP1C	X	-2.98	-2.98	0	%100
94	MP1C	Z	1.721	1.721	0	%100
95	MP3B	X	-3.298	-3.298	0	%100
96	MP3B	Z	1.904	1.904	0	%100
97	MP4B	X	-2.98	-2.98	0	%100
98	MP4B	Z	1.721	1.721	0	%100
99	MP2B	X	-2.98	-2.98	0	%100
100	MP2B	Z	1.721	1.721	0	%100
101	MP1B	X	-2.98	-2.98	0	%100
102	MP1B	Z	1.721	1.721	0	%100
103	M104	X	-.825	-.825	0	%100
104	M104	Z	.476	.476	0	%100
105	M109	X	-3.298	-3.298	0	%100
106	M109	Z	1.904	1.904	0	%100
107	M114	X	-.825	-.825	0	%100
108	M114	Z	.476	.476	0	%100
109	M125A	X	-.778	-.778	0	%100
110	M125A	Z	.449	.449	0	%100
111	M126A	X	-3.112	-3.112	0	%100
112	M126A	Z	1.797	1.797	0	%100
113	M127A	X	-.778	-.778	0	%100
114	M127A	Z	.449	.449	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-4.308	-4.308	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	-3.809	-3.809	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-3.441	-3.441	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-3.441	-3.441	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-3.441	-3.441	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	-3.029	-3.029	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-3.029	-3.029	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-5.399	-5.399	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-4.11	-4.11	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-4.29	-4.29	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-5.399	-5.399	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-4.11	-4.11	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-4.29	-4.29	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-1.077	-1.077	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-2.776	-2.776	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-2.776	-2.776	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-4.116	-4.116	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-3.029	-3.029	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-1.35	-1.35	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-4.11	-4.11	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-4.29	-4.29	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-1.35	-1.35	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	0	0	0	%100
59	M76A	X	-1.077	-1.077	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-2.776	-2.776	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-2.776	-2.776	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-4.116	-4.116	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-3.029	-3.029	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-1.35	-1.35	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-1.35	-1.35	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-4.11	-4.11	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-4.29	-4.29	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-3.201	-3.201	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-3.201	-3.201	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-3.809	-3.809	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-3.441	-3.441	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	-3.441	-3.441	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-3.441	-3.441	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	-3.809	-3.809	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	-3.441	-3.441	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-3.441	-3.441	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-3.441	-3.441	0	%100
102	MP1B	Z	0	0	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M109	X	-2.857	-2.857	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	-2.857	-2.857	0	%100
108	M114	Z	0	0	0	%100
109	M125A	X	0	0	0	%100
110	M125A	Z	0	0	0	%100
111	M126A	X	-2.695	-2.695	0	%100
112	M126A	Z	0	0	0	%100
113	M127A	X	-2.695	-2.695	0	%100
114	M127A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.924	-.924	0	%100
2	M1	Z	-.533	-.533	0	%100
3	M4	X	-2.798	-2.798	0	%100
4	M4	Z	-1.616	-1.616	0	%100
5	M10	X	-.801	-.801	0	%100
6	M10	Z	-.463	-.463	0	%100
7	MP3A	X	-3.298	-3.298	0	%100
8	MP3A	Z	-1.904	-1.904	0	%100
9	MP4A	X	-2.98	-2.98	0	%100
10	MP4A	Z	-1.721	-1.721	0	%100
11	MP2A	X	-2.98	-2.98	0	%100
12	MP2A	Z	-1.721	-1.721	0	%100
13	MP1A	X	-2.98	-2.98	0	%100
14	MP1A	Z	-1.721	-1.721	0	%100
15	M43	X	-.801	-.801	0	%100
16	M43	Z	-.463	-.463	0	%100
17	M46	X	-1.188	-1.188	0	%100
18	M46	Z	-.686	-.686	0	%100
19	M51B	X	-.874	-.874	0	%100
20	M51B	Z	-.505	-.505	0	%100
21	M52B	X	-3.498	-3.498	0	%100
22	M52B	Z	-2.019	-2.019	0	%100
23	M76	X	-3.507	-3.507	0	%100
24	M76	Z	-2.024	-2.024	0	%100
25	M77	X	-1.187	-1.187	0	%100
26	M77	Z	-.685	-.685	0	%100
27	M80	X	-1.238	-1.238	0	%100
28	M80	Z	-.715	-.715	0	%100
29	M84	X	-3.507	-3.507	0	%100
30	M84	Z	-2.024	-2.024	0	%100
31	M85	X	-4.746	-4.746	0	%100
32	M85	Z	-2.74	-2.74	0	%100
33	M91	X	-4.953	-4.953	0	%100
34	M91	Z	-2.86	-2.86	0	%100
35	M52A	X	-2.798	-2.798	0	%100
36	M52A	Z	-1.616	-1.616	0	%100
37	M53	X	-.801	-.801	0	%100
38	M53	Z	-.463	-.463	0	%100
39	M54	X	-.801	-.801	0	%100
40	M54	Z	-.463	-.463	0	%100
41	M55	X	-1.188	-1.188	0	%100
42	M55	Z	-.686	-.686	0	%100
43	M58A	X	-3.498	-3.498	0	%100
44	M58A	Z	-2.019	-2.019	0	%100
45	M59A	X	-.874	-.874	0	%100
46	M59A	Z	-.505	-.505	0	%100
47	M63	X	-3.507	-3.507	0	%100
48	M63	Z	-2.024	-2.024	0	%100
49	M64	X	-4.746	-4.746	0	%100
50	M64	Z	-2.74	-2.74	0	%100
51	M66	X	-4.953	-4.953	0	%100
52	M66	Z	-2.86	-2.86	0	%100
53	M68	X	-3.507	-3.507	0	%100
54	M68	Z	-2.024	-2.024	0	%100
55	M69	X	-1.187	-1.187	0	%100
56	M69	Z	-.685	-.685	0	%100
57	M71	X	-1.238	-1.238	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	-.715	-.715	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-3.205	-3.205	0	%100
62	M77A	Z	-1.851	-1.851	0	%100
63	M78	X	-3.205	-3.205	0	%100
64	M78	Z	-1.851	-1.851	0	%100
65	M79A	X	-4.753	-4.753	0	%100
66	M79A	Z	-2.744	-2.744	0	%100
67	M82	X	-.874	-.874	0	%100
68	M82	Z	-.505	-.505	0	%100
69	M83A	X	-.874	-.874	0	%100
70	M83A	Z	-.505	-.505	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-1.187	-1.187	0	%100
74	M88A	Z	-.685	-.685	0	%100
75	M90	X	-1.238	-1.238	0	%100
76	M90	Z	-.715	-.715	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-1.187	-1.187	0	%100
80	M93	Z	-.685	-.685	0	%100
81	M95	X	-1.238	-1.238	0	%100
82	M95	Z	-.715	-.715	0	%100
83	M82A	X	-.924	-.924	0	%100
84	M82A	Z	-.533	-.533	0	%100
85	M91B	X	-3.696	-3.696	0	%100
86	M91B	Z	-2.134	-2.134	0	%100
87	MP3C	X	-3.298	-3.298	0	%100
88	MP3C	Z	-1.904	-1.904	0	%100
89	MP4C	X	-2.98	-2.98	0	%100
90	MP4C	Z	-1.721	-1.721	0	%100
91	MP2C	X	-2.98	-2.98	0	%100
92	MP2C	Z	-1.721	-1.721	0	%100
93	MP1C	X	-2.98	-2.98	0	%100
94	MP1C	Z	-1.721	-1.721	0	%100
95	MP3B	X	-3.298	-3.298	0	%100
96	MP3B	Z	-1.904	-1.904	0	%100
97	MP4B	X	-2.98	-2.98	0	%100
98	MP4B	Z	-1.721	-1.721	0	%100
99	MP2B	X	-2.98	-2.98	0	%100
100	MP2B	Z	-1.721	-1.721	0	%100
101	MP1B	X	-2.98	-2.98	0	%100
102	MP1B	Z	-1.721	-1.721	0	%100
103	M104	X	-.825	-.825	0	%100
104	M104	Z	-.476	-.476	0	%100
105	M109	X	-.825	-.825	0	%100
106	M109	Z	-.476	-.476	0	%100
107	M114	X	-3.298	-3.298	0	%100
108	M114	Z	-1.904	-1.904	0	%100
109	M125A	X	-.778	-.778	0	%100
110	M125A	Z	-.449	-.449	0	%100
111	M126A	X	-.778	-.778	0	%100
112	M126A	Z	-.449	-.449	0	%100
113	M127A	X	-3.112	-3.112	0	%100
114	M127A	Z	-1.797	-1.797	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.6	-1.6	0	%100
2	M1	Z	-2.772	-2.772	0	%100
3	M4	X	-.539	-.539	0	%100
4	M4	Z	-.933	-.933	0	%100
5	M10	X	-1.388	-1.388	0	%100
6	M10	Z	-2.404	-2.404	0	%100
7	MP3A	X	-1.904	-1.904	0	%100
8	MP3A	Z	-3.298	-3.298	0	%100
9	MP4A	X	-1.721	-1.721	0	%100
10	MP4A	Z	-2.98	-2.98	0	%100
11	MP2A	X	-1.721	-1.721	0	%100
12	MP2A	Z	-2.98	-2.98	0	%100
13	MP1A	X	-1.721	-1.721	0	%100
14	MP1A	Z	-2.98	-2.98	0	%100
15	M43	X	-1.388	-1.388	0	%100
16	M43	Z	-2.404	-2.404	0	%100
17	M46	X	-2.058	-2.058	0	%100
18	M46	Z	-3.565	-3.565	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-1.515	-1.515	0	%100
22	M52B	Z	-2.623	-2.623	0	%100
23	M76	X	-.675	-.675	0	%100
24	M76	Z	-1.169	-1.169	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	-.675	-.675	0	%100
30	M84	Z	-1.169	-1.169	0	%100
31	M85	X	-2.055	-2.055	0	%100
32	M85	Z	-3.56	-3.56	0	%100
33	M91	X	-2.145	-2.145	0	%100
34	M91	Z	-3.715	-3.715	0	%100
35	M52A	X	-2.154	-2.154	0	%100
36	M52A	Z	-3.731	-3.731	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-1.515	-1.515	0	%100
44	M58A	Z	-2.623	-2.623	0	%100
45	M59A	X	-1.515	-1.515	0	%100
46	M59A	Z	-2.623	-2.623	0	%100
47	M63	X	-2.699	-2.699	0	%100
48	M63	Z	-4.675	-4.675	0	%100
49	M64	X	-2.055	-2.055	0	%100
50	M64	Z	-3.56	-3.56	0	%100
51	M66	X	-2.145	-2.145	0	%100
52	M66	Z	-3.715	-3.715	0	%100
53	M68	X	-2.699	-2.699	0	%100
54	M68	Z	-4.675	-4.675	0	%100
55	M69	X	-2.055	-2.055	0	%100
56	M69	Z	-3.56	-3.56	0	%100
57	M71	X	-2.145	-2.145	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	-3.715	-3.715	0	%100
59	M76A	X	-.539	-.539	0	%100
60	M76A	Z	-.933	-.933	0	%100
61	M77A	X	-1.388	-1.388	0	%100
62	M77A	Z	-2.404	-2.404	0	%100
63	M78	X	-1.388	-1.388	0	%100
64	M78	Z	-2.404	-2.404	0	%100
65	M79A	X	-2.058	-2.058	0	%100
66	M79A	Z	-3.565	-3.565	0	%100
67	M82	X	-1.515	-1.515	0	%100
68	M82	Z	-2.623	-2.623	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.675	-.675	0	%100
72	M87	Z	-1.169	-1.169	0	%100
73	M88A	X	-2.055	-2.055	0	%100
74	M88A	Z	-3.56	-3.56	0	%100
75	M90	X	-2.145	-2.145	0	%100
76	M90	Z	-3.715	-3.715	0	%100
77	M92A	X	-.675	-.675	0	%100
78	M92A	Z	-1.169	-1.169	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-1.6	-1.6	0	%100
86	M91B	Z	-2.772	-2.772	0	%100
87	MP3C	X	-1.904	-1.904	0	%100
88	MP3C	Z	-3.298	-3.298	0	%100
89	MP4C	X	-1.721	-1.721	0	%100
90	MP4C	Z	-2.98	-2.98	0	%100
91	MP2C	X	-1.721	-1.721	0	%100
92	MP2C	Z	-2.98	-2.98	0	%100
93	MP1C	X	-1.721	-1.721	0	%100
94	MP1C	Z	-2.98	-2.98	0	%100
95	MP3B	X	-1.904	-1.904	0	%100
96	MP3B	Z	-3.298	-3.298	0	%100
97	MP4B	X	-1.721	-1.721	0	%100
98	MP4B	Z	-2.98	-2.98	0	%100
99	MP2B	X	-1.721	-1.721	0	%100
100	MP2B	Z	-2.98	-2.98	0	%100
101	MP1B	X	-1.721	-1.721	0	%100
102	MP1B	Z	-2.98	-2.98	0	%100
103	M104	X	-1.428	-1.428	0	%100
104	M104	Z	-2.474	-2.474	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	-1.428	-1.428	0	%100
108	M114	Z	-2.474	-2.474	0	%100
109	M125A	X	-1.348	-1.348	0	%100
110	M125A	Z	-2.334	-2.334	0	%100
111	M126A	X	0	0	0	%100
112	M126A	Z	0	0	0	%100
113	M127A	X	-1.348	-1.348	0	%100
114	M127A	Z	-2.334	-2.334	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.841	-.841	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	-.865	-.865	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-.761	-.761	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-.628	-.628	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-.628	-.628	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-.628	-.628	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-.865	-.865	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-1.587	-1.587	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	-.404	-.404	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-.426	-.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	-.404	-.404	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-.426	-.426	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-.705	-.705	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-.216	-.216	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-.216	-.216	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-.397	-.397	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-.22	-.22	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-.881	-.881	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-1.191	-1.191	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-.404	-.404	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-.426	-.426	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-1.191	-1.191	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-1.617	-1.617	0	%100
57	M71	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	-1.703	-1.703	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-.705	-.705	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-.216	-.216	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-.216	-.216	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-.397	-.397	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-.881	-.881	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-.22	-.22	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-1.191	-1.191	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-1.617	-1.617	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-1.703	-1.703	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-1.191	-1.191	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-.404	-.404	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-.426	-.426	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-.21	-.21	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-.21	-.21	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-.761	-.761	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-.628	-.628	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-.628	-.628	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-.628	-.628	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-.761	-.761	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-.628	-.628	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-.628	-.628	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-.628	-.628	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-.761	-.761	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	-.19	-.19	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	-.19	-.19	0	%100
109	M125A	X	0	0	0	%100
110	M125A	Z	-.884	-.884	0	%100
111	M126A	X	0	0	0	%100
112	M126A	Z	-.221	-.221	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	-.221	-.221	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.315	.315	0	%100
2	M1	Z	-.546	-.546	0	%100
3	M4	X	.118	.118	0	%100
4	M4	Z	-.204	-.204	0	%100
5	M10	X	.324	.324	0	%100
6	M10	Z	-.562	-.562	0	%100
7	MP3A	X	.38	.38	0	%100
8	MP3A	Z	-.659	-.659	0	%100
9	MP4A	X	.314	.314	0	%100
10	MP4A	Z	-.544	-.544	0	%100
11	MP2A	X	.314	.314	0	%100
12	MP2A	Z	-.544	-.544	0	%100
13	MP1A	X	.314	.314	0	%100
14	MP1A	Z	-.544	-.544	0	%100
15	M43	X	.324	.324	0	%100
16	M43	Z	-.562	-.562	0	%100
17	M46	X	.595	.595	0	%100
18	M46	Z	-1.031	-1.031	0	%100
19	M51B	X	.331	.331	0	%100
20	M51B	Z	-.573	-.573	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	-.344	-.344	0	%100
25	M77	X	.606	.606	0	%100
26	M77	Z	-1.05	-1.05	0	%100
27	M80	X	.639	.639	0	%100
28	M80	Z	-1.106	-1.106	0	%100
29	M84	X	.198	.198	0	%100
30	M84	Z	-.344	-.344	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	M52A	X	.118	.118	0	%100
36	M52A	Z	-.204	-.204	0	%100
37	M53	X	.324	.324	0	%100
38	M53	Z	-.562	-.562	0	%100
39	M54	X	.324	.324	0	%100
40	M54	Z	-.562	-.562	0	%100
41	M55	X	.595	.595	0	%100
42	M55	Z	-1.031	-1.031	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	.331	.331	0	%100
46	M59A	Z	-.573	-.573	0	%100
47	M63	X	.198	.198	0	%100
48	M63	Z	-.344	-.344	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.198	.198	0	%100
54	M68	Z	-.344	-.344	0	%100
55	M69	X	.606	.606	0	%100
56	M69	Z	-1.05	-1.05	0	%100
57	M71	X	.639	.639	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	-1.106	-1.106	0	%100
59	M76A	X	.47	.47	0	%100
60	M76A	Z	-.815	-.815	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	.331	.331	0	%100
68	M82	Z	-.573	-.573	0	%100
69	M83A	X	.331	.331	0	%100
70	M83A	Z	-.573	-.573	0	%100
71	M87	X	.794	.794	0	%100
72	M87	Z	-1.375	-1.375	0	%100
73	M88A	X	.606	.606	0	%100
74	M88A	Z	-1.05	-1.05	0	%100
75	M90	X	.639	.639	0	%100
76	M90	Z	-1.106	-1.106	0	%100
77	M92A	X	.794	.794	0	%100
78	M92A	Z	-1.375	-1.375	0	%100
79	M93	X	.606	.606	0	%100
80	M93	Z	-1.05	-1.05	0	%100
81	M95	X	.639	.639	0	%100
82	M95	Z	-1.106	-1.106	0	%100
83	M82A	X	.315	.315	0	%100
84	M82A	Z	-.546	-.546	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	.38	.38	0	%100
88	MP3C	Z	-.659	-.659	0	%100
89	MP4C	X	.314	.314	0	%100
90	MP4C	Z	-.544	-.544	0	%100
91	MP2C	X	.314	.314	0	%100
92	MP2C	Z	-.544	-.544	0	%100
93	MP1C	X	.314	.314	0	%100
94	MP1C	Z	-.544	-.544	0	%100
95	MP3B	X	.38	.38	0	%100
96	MP3B	Z	-.659	-.659	0	%100
97	MP4B	X	.314	.314	0	%100
98	MP4B	Z	-.544	-.544	0	%100
99	MP2B	X	.314	.314	0	%100
100	MP2B	Z	-.544	-.544	0	%100
101	MP1B	X	.314	.314	0	%100
102	MP1B	Z	-.544	-.544	0	%100
103	M104	X	.285	.285	0	%100
104	M104	Z	-.494	-.494	0	%100
105	M109	X	.285	.285	0	%100
106	M109	Z	-.494	-.494	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	0	0	0	%100
109	M125A	X	.332	.332	0	%100
110	M125A	Z	-.574	-.574	0	%100
111	M126A	X	.332	.332	0	%100
112	M126A	Z	-.574	-.574	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.182	.182	0	%100
2	M1	Z	-.105	-.105	0	%100
3	M4	X	.611	.611	0	%100
4	M4	Z	-.353	-.353	0	%100
5	M10	X	.187	.187	0	%100
6	M10	Z	-.108	-.108	0	%100
7	MP3A	X	.659	.659	0	%100
8	MP3A	Z	-.38	-.38	0	%100
9	MP4A	X	.544	.544	0	%100
10	MP4A	Z	-.314	-.314	0	%100
11	MP2A	X	.544	.544	0	%100
12	MP2A	Z	-.314	-.314	0	%100
13	MP1A	X	.544	.544	0	%100
14	MP1A	Z	-.314	-.314	0	%100
15	M43	X	.187	.187	0	%100
16	M43	Z	-.108	-.108	0	%100
17	M46	X	.344	.344	0	%100
18	M46	Z	-.198	-.198	0	%100
19	M51B	X	.763	.763	0	%100
20	M51B	Z	-.441	-.441	0	%100
21	M52B	X	.191	.191	0	%100
22	M52B	Z	-.11	-.11	0	%100
23	M76	X	1.031	1.031	0	%100
24	M76	Z	-.595	-.595	0	%100
25	M77	X	1.4	1.4	0	%100
26	M77	Z	-.808	-.808	0	%100
27	M80	X	1.475	1.475	0	%100
28	M80	Z	-.851	-.851	0	%100
29	M84	X	1.031	1.031	0	%100
30	M84	Z	-.595	-.595	0	%100
31	M85	X	.35	.35	0	%100
32	M85	Z	-.202	-.202	0	%100
33	M91	X	.369	.369	0	%100
34	M91	Z	-.213	-.213	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	.749	.749	0	%100
38	M53	Z	-.432	-.432	0	%100
39	M54	X	.749	.749	0	%100
40	M54	Z	-.432	-.432	0	%100
41	M55	X	1.375	1.375	0	%100
42	M55	Z	-.794	-.794	0	%100
43	M58A	X	.191	.191	0	%100
44	M58A	Z	-.11	-.11	0	%100
45	M59A	X	.191	.191	0	%100
46	M59A	Z	-.11	-.11	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	.35	.35	0	%100
50	M64	Z	-.202	-.202	0	%100
51	M66	X	.369	.369	0	%100
52	M66	Z	-.213	-.213	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	.35	.35	0	%100
56	M69	Z	-.202	-.202	0	%100
57	M71	X	.369	.369	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	-.213	-.213	0	%100
59	M76A	X	.611	.611	0	%100
60	M76A	Z	-.353	-.353	0	%100
61	M77A	X	.187	.187	0	%100
62	M77A	Z	-.108	-.108	0	%100
63	M78	X	.187	.187	0	%100
64	M78	Z	-.108	-.108	0	%100
65	M79A	X	.344	.344	0	%100
66	M79A	Z	-.198	-.198	0	%100
67	M82	X	.191	.191	0	%100
68	M82	Z	-.11	-.11	0	%100
69	M83A	X	.763	.763	0	%100
70	M83A	Z	-.441	-.441	0	%100
71	M87	X	1.031	1.031	0	%100
72	M87	Z	-.595	-.595	0	%100
73	M88A	X	.35	.35	0	%100
74	M88A	Z	-.202	-.202	0	%100
75	M90	X	.369	.369	0	%100
76	M90	Z	-.213	-.213	0	%100
77	M92A	X	1.031	1.031	0	%100
78	M92A	Z	-.595	-.595	0	%100
79	M93	X	1.4	1.4	0	%100
80	M93	Z	-.808	-.808	0	%100
81	M95	X	1.475	1.475	0	%100
82	M95	Z	-.851	-.851	0	%100
83	M82A	X	.729	.729	0	%100
84	M82A	Z	-.421	-.421	0	%100
85	M91B	X	.182	.182	0	%100
86	M91B	Z	-.105	-.105	0	%100
87	MP3C	X	.659	.659	0	%100
88	MP3C	Z	-.38	-.38	0	%100
89	MP4C	X	.544	.544	0	%100
90	MP4C	Z	-.314	-.314	0	%100
91	MP2C	X	.544	.544	0	%100
92	MP2C	Z	-.314	-.314	0	%100
93	MP1C	X	.544	.544	0	%100
94	MP1C	Z	-.314	-.314	0	%100
95	MP3B	X	.659	.659	0	%100
96	MP3B	Z	-.38	-.38	0	%100
97	MP4B	X	.544	.544	0	%100
98	MP4B	Z	-.314	-.314	0	%100
99	MP2B	X	.544	.544	0	%100
100	MP2B	Z	-.314	-.314	0	%100
101	MP1B	X	.544	.544	0	%100
102	MP1B	Z	-.314	-.314	0	%100
103	M104	X	.165	.165	0	%100
104	M104	Z	-.095	-.095	0	%100
105	M109	X	.659	.659	0	%100
106	M109	Z	-.38	-.38	0	%100
107	M114	X	.165	.165	0	%100
108	M114	Z	-.095	-.095	0	%100
109	M125A	X	.191	.191	0	%100
110	M125A	Z	-.111	-.111	0	%100
111	M126A	X	.766	.766	0	%100
112	M126A	Z	-.442	-.442	0	%100
113	M127A	X	.191	.191	0	%100
114	M127A	Z	-.111	-.111	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.941	.941	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	.761	.761	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	.628	.628	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	.628	.628	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	.628	.628	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	.661	.661	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.661	.661	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	1.587	1.587	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	1.213	1.213	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	1.277	1.277	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	1.587	1.587	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	1.213	1.213	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	1.277	1.277	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.235	.235	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	.649	.649	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	.649	.649	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	1.191	1.191	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	.661	.661	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	.397	.397	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	1.213	1.213	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	1.277	1.277	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.397	.397	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	0	0	0	%100
59	M76A	X	.235	.235	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	.649	.649	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	.649	.649	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	1.191	1.191	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	.661	.661	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.397	.397	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	.397	.397	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	1.213	1.213	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	1.277	1.277	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	.631	.631	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	.631	.631	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	.761	.761	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	.628	.628	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	.628	.628	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	.628	.628	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	.761	.761	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	.628	.628	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	.628	.628	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	.628	.628	0	%100
102	MP1B	Z	0	0	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M109	X	.57	.57	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	.57	.57	0	%100
108	M114	Z	0	0	0	%100
109	M125A	X	0	0	0	%100
110	M125A	Z	0	0	0	%100
111	M126A	X	.663	.663	0	%100
112	M126A	Z	0	0	0	%100
113	M127A	X	.663	.663	0	%100
114	M127A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.182	.182	0	%100
2	M1	Z	.105	.105	0	%100
3	M4	X	.611	.611	0	%100
4	M4	Z	.353	.353	0	%100
5	M10	X	.187	.187	0	%100
6	M10	Z	.108	.108	0	%100
7	MP3A	X	.659	.659	0	%100
8	MP3A	Z	.38	.38	0	%100
9	MP4A	X	.544	.544	0	%100
10	MP4A	Z	.314	.314	0	%100
11	MP2A	X	.544	.544	0	%100
12	MP2A	Z	.314	.314	0	%100
13	MP1A	X	.544	.544	0	%100
14	MP1A	Z	.314	.314	0	%100
15	M43	X	.187	.187	0	%100
16	M43	Z	.108	.108	0	%100
17	M46	X	.344	.344	0	%100
18	M46	Z	.198	.198	0	%100
19	M51B	X	.191	.191	0	%100
20	M51B	Z	.11	.11	0	%100
21	M52B	X	.763	.763	0	%100
22	M52B	Z	.441	.441	0	%100
23	M76	X	1.031	1.031	0	%100
24	M76	Z	.595	.595	0	%100
25	M77	X	.35	.35	0	%100
26	M77	Z	.202	.202	0	%100
27	M80	X	.369	.369	0	%100
28	M80	Z	.213	.213	0	%100
29	M84	X	1.031	1.031	0	%100
30	M84	Z	.595	.595	0	%100
31	M85	X	1.4	1.4	0	%100
32	M85	Z	.808	.808	0	%100
33	M91	X	1.475	1.475	0	%100
34	M91	Z	.851	.851	0	%100
35	M52A	X	.611	.611	0	%100
36	M52A	Z	.353	.353	0	%100
37	M53	X	.187	.187	0	%100
38	M53	Z	.108	.108	0	%100
39	M54	X	.187	.187	0	%100
40	M54	Z	.108	.108	0	%100
41	M55	X	.344	.344	0	%100
42	M55	Z	.198	.198	0	%100
43	M58A	X	.763	.763	0	%100
44	M58A	Z	.441	.441	0	%100
45	M59A	X	.191	.191	0	%100
46	M59A	Z	.11	.11	0	%100
47	M63	X	1.031	1.031	0	%100
48	M63	Z	.595	.595	0	%100
49	M64	X	1.4	1.4	0	%100
50	M64	Z	.808	.808	0	%100
51	M66	X	1.475	1.475	0	%100
52	M66	Z	.851	.851	0	%100
53	M68	X	1.031	1.031	0	%100
54	M68	Z	.595	.595	0	%100
55	M69	X	.35	.35	0	%100
56	M69	Z	.202	.202	0	%100
57	M71	X	.369	.369	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	.213	.213	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	.749	.749	0	%100
62	M77A	Z	.432	.432	0	%100
63	M78	X	.749	.749	0	%100
64	M78	Z	.432	.432	0	%100
65	M79A	X	1.375	1.375	0	%100
66	M79A	Z	.794	.794	0	%100
67	M82	X	.191	.191	0	%100
68	M82	Z	.11	.11	0	%100
69	M83A	X	.191	.191	0	%100
70	M83A	Z	.11	.11	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	.35	.35	0	%100
74	M88A	Z	.202	.202	0	%100
75	M90	X	.369	.369	0	%100
76	M90	Z	.213	.213	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	.35	.35	0	%100
80	M93	Z	.202	.202	0	%100
81	M95	X	.369	.369	0	%100
82	M95	Z	.213	.213	0	%100
83	M82A	X	.182	.182	0	%100
84	M82A	Z	.105	.105	0	%100
85	M91B	X	.729	.729	0	%100
86	M91B	Z	.421	.421	0	%100
87	MP3C	X	.659	.659	0	%100
88	MP3C	Z	.38	.38	0	%100
89	MP4C	X	.544	.544	0	%100
90	MP4C	Z	.314	.314	0	%100
91	MP2C	X	.544	.544	0	%100
92	MP2C	Z	.314	.314	0	%100
93	MP1C	X	.544	.544	0	%100
94	MP1C	Z	.314	.314	0	%100
95	MP3B	X	.659	.659	0	%100
96	MP3B	Z	.38	.38	0	%100
97	MP4B	X	.544	.544	0	%100
98	MP4B	Z	.314	.314	0	%100
99	MP2B	X	.544	.544	0	%100
100	MP2B	Z	.314	.314	0	%100
101	MP1B	X	.544	.544	0	%100
102	MP1B	Z	.314	.314	0	%100
103	M104	X	.165	.165	0	%100
104	M104	Z	.095	.095	0	%100
105	M109	X	.165	.165	0	%100
106	M109	Z	.095	.095	0	%100
107	M114	X	.659	.659	0	%100
108	M114	Z	.38	.38	0	%100
109	M125A	X	.191	.191	0	%100
110	M125A	Z	.111	.111	0	%100
111	M126A	X	.191	.191	0	%100
112	M126A	Z	.111	.111	0	%100
113	M127A	X	.766	.766	0	%100
114	M127A	Z	.442	.442	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.315	.315	0	%100
2	M1	Z	.546	.546	0	%100
3	M4	X	.118	.118	0	%100
4	M4	Z	.204	.204	0	%100
5	M10	X	.324	.324	0	%100
6	M10	Z	.562	.562	0	%100
7	MP3A	X	.38	.38	0	%100
8	MP3A	Z	.659	.659	0	%100
9	MP4A	X	.314	.314	0	%100
10	MP4A	Z	.544	.544	0	%100
11	MP2A	X	.314	.314	0	%100
12	MP2A	Z	.544	.544	0	%100
13	MP1A	X	.314	.314	0	%100
14	MP1A	Z	.544	.544	0	%100
15	M43	X	.324	.324	0	%100
16	M43	Z	.562	.562	0	%100
17	M46	X	.595	.595	0	%100
18	M46	Z	1.031	1.031	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.331	.331	0	%100
22	M52B	Z	.573	.573	0	%100
23	M76	X	.198	.198	0	%100
24	M76	Z	.344	.344	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	.344	.344	0	%100
31	M85	X	.606	.606	0	%100
32	M85	Z	1.05	1.05	0	%100
33	M91	X	.639	.639	0	%100
34	M91	Z	1.106	1.106	0	%100
35	M52A	X	.47	.47	0	%100
36	M52A	Z	.815	.815	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	.331	.331	0	%100
44	M58A	Z	.573	.573	0	%100
45	M59A	X	.331	.331	0	%100
46	M59A	Z	.573	.573	0	%100
47	M63	X	.794	.794	0	%100
48	M63	Z	1.375	1.375	0	%100
49	M64	X	.606	.606	0	%100
50	M64	Z	1.05	1.05	0	%100
51	M66	X	.639	.639	0	%100
52	M66	Z	1.106	1.106	0	%100
53	M68	X	.794	.794	0	%100
54	M68	Z	1.375	1.375	0	%100
55	M69	X	.606	.606	0	%100
56	M69	Z	1.05	1.05	0	%100
57	M71	X	.639	.639	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	1.106	1.106	0	%100
59	M76A	X	.118	.118	0	%100
60	M76A	Z	.204	.204	0	%100
61	M77A	X	.324	.324	0	%100
62	M77A	Z	.562	.562	0	%100
63	M78	X	.324	.324	0	%100
64	M78	Z	.562	.562	0	%100
65	M79A	X	.595	.595	0	%100
66	M79A	Z	1.031	1.031	0	%100
67	M82	X	.331	.331	0	%100
68	M82	Z	.573	.573	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.198	.198	0	%100
72	M87	Z	.344	.344	0	%100
73	M88A	X	.606	.606	0	%100
74	M88A	Z	1.05	1.05	0	%100
75	M90	X	.639	.639	0	%100
76	M90	Z	1.106	1.106	0	%100
77	M92A	X	.198	.198	0	%100
78	M92A	Z	.344	.344	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	.315	.315	0	%100
86	M91B	Z	.546	.546	0	%100
87	MP3C	X	.38	.38	0	%100
88	MP3C	Z	.659	.659	0	%100
89	MP4C	X	.314	.314	0	%100
90	MP4C	Z	.544	.544	0	%100
91	MP2C	X	.314	.314	0	%100
92	MP2C	Z	.544	.544	0	%100
93	MP1C	X	.314	.314	0	%100
94	MP1C	Z	.544	.544	0	%100
95	MP3B	X	.38	.38	0	%100
96	MP3B	Z	.659	.659	0	%100
97	MP4B	X	.314	.314	0	%100
98	MP4B	Z	.544	.544	0	%100
99	MP2B	X	.314	.314	0	%100
100	MP2B	Z	.544	.544	0	%100
101	MP1B	X	.314	.314	0	%100
102	MP1B	Z	.544	.544	0	%100
103	M104	X	.285	.285	0	%100
104	M104	Z	.494	.494	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	.285	.285	0	%100
108	M114	Z	.494	.494	0	%100
109	M125A	X	.332	.332	0	%100
110	M125A	Z	.574	.574	0	%100
111	M126A	X	0	0	0	%100
112	M126A	Z	0	0	0	%100
113	M127A	X	.332	.332	0	%100
114	M127A	Z	.574	.574	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.841	.841	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	.865	.865	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	.761	.761	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	.628	.628	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.628	.628	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.628	.628	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	.865	.865	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	1.587	1.587	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	.404	.404	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	.426	.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	.404	.404	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	.426	.426	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	.705	.705	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	.216	.216	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	.216	.216	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	.397	.397	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	.22	.22	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	.881	.881	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	1.191	1.191	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	.404	.404	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	.426	.426	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	1.191	1.191	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	1.617	1.617	0	%100
57	M71	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	1.703	1.703	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	.705	.705	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	.216	.216	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	.216	.216	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	.397	.397	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	.881	.881	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	.22	.22	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	1.191	1.191	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	1.617	1.617	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	1.703	1.703	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	1.191	1.191	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	.404	.404	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	.426	.426	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	.21	.21	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	.21	.21	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	.761	.761	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	.628	.628	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	.628	.628	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	.628	.628	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	.761	.761	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	.628	.628	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	.628	.628	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	.628	.628	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	.761	.761	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	.19	.19	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	.19	.19	0	%100
109	M125A	X	0	0	0	%100
110	M125A	Z	.884	.884	0	%100
111	M126A	X	0	0	0	%100
112	M126A	Z	.221	.221	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	.221	.221	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.315	-.315	0	%100
2	M1	Z	.546	.546	0	%100
3	M4	X	-.118	-.118	0	%100
4	M4	Z	.204	.204	0	%100
5	M10	X	-.324	-.324	0	%100
6	M10	Z	.562	.562	0	%100
7	MP3A	X	-.38	-.38	0	%100
8	MP3A	Z	.659	.659	0	%100
9	MP4A	X	-.314	-.314	0	%100
10	MP4A	Z	.544	.544	0	%100
11	MP2A	X	-.314	-.314	0	%100
12	MP2A	Z	.544	.544	0	%100
13	MP1A	X	-.314	-.314	0	%100
14	MP1A	Z	.544	.544	0	%100
15	M43	X	-.324	-.324	0	%100
16	M43	Z	.562	.562	0	%100
17	M46	X	-.595	-.595	0	%100
18	M46	Z	1.031	1.031	0	%100
19	M51B	X	-.331	-.331	0	%100
20	M51B	Z	.573	.573	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	.344	.344	0	%100
25	M77	X	-.606	-.606	0	%100
26	M77	Z	1.05	1.05	0	%100
27	M80	X	-.639	-.639	0	%100
28	M80	Z	1.106	1.106	0	%100
29	M84	X	-.198	-.198	0	%100
30	M84	Z	.344	.344	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	M52A	X	-.118	-.118	0	%100
36	M52A	Z	.204	.204	0	%100
37	M53	X	-.324	-.324	0	%100
38	M53	Z	.562	.562	0	%100
39	M54	X	-.324	-.324	0	%100
40	M54	Z	.562	.562	0	%100
41	M55	X	-.595	-.595	0	%100
42	M55	Z	1.031	1.031	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-.331	-.331	0	%100
46	M59A	Z	.573	.573	0	%100
47	M63	X	-.198	-.198	0	%100
48	M63	Z	.344	.344	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-.198	-.198	0	%100
54	M68	Z	.344	.344	0	%100
55	M69	X	-.606	-.606	0	%100
56	M69	Z	1.05	1.05	0	%100
57	M71	X	-.639	-.639	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	1.106	1.106	0	%100
59	M76A	X	-.47	-.47	0	%100
60	M76A	Z	.815	.815	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-.331	-.331	0	%100
68	M82	Z	.573	.573	0	%100
69	M83A	X	-.331	-.331	0	%100
70	M83A	Z	.573	.573	0	%100
71	M87	X	-.794	-.794	0	%100
72	M87	Z	1.375	1.375	0	%100
73	M88A	X	-.606	-.606	0	%100
74	M88A	Z	1.05	1.05	0	%100
75	M90	X	-.639	-.639	0	%100
76	M90	Z	1.106	1.106	0	%100
77	M92A	X	-.794	-.794	0	%100
78	M92A	Z	1.375	1.375	0	%100
79	M93	X	-.606	-.606	0	%100
80	M93	Z	1.05	1.05	0	%100
81	M95	X	-.639	-.639	0	%100
82	M95	Z	1.106	1.106	0	%100
83	M82A	X	-.315	-.315	0	%100
84	M82A	Z	.546	.546	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-.38	-.38	0	%100
88	MP3C	Z	.659	.659	0	%100
89	MP4C	X	-.314	-.314	0	%100
90	MP4C	Z	.544	.544	0	%100
91	MP2C	X	-.314	-.314	0	%100
92	MP2C	Z	.544	.544	0	%100
93	MP1C	X	-.314	-.314	0	%100
94	MP1C	Z	.544	.544	0	%100
95	MP3B	X	-.38	-.38	0	%100
96	MP3B	Z	.659	.659	0	%100
97	MP4B	X	-.314	-.314	0	%100
98	MP4B	Z	.544	.544	0	%100
99	MP2B	X	-.314	-.314	0	%100
100	MP2B	Z	.544	.544	0	%100
101	MP1B	X	-.314	-.314	0	%100
102	MP1B	Z	.544	.544	0	%100
103	M104	X	-.285	-.285	0	%100
104	M104	Z	.494	.494	0	%100
105	M109	X	-.285	-.285	0	%100
106	M109	Z	.494	.494	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	0	0	0	%100
109	M125A	X	-.332	-.332	0	%100
110	M125A	Z	.574	.574	0	%100
111	M126A	X	-.332	-.332	0	%100
112	M126A	Z	.574	.574	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.182	-.182	0	%100
2	M1	Z	.105	.105	0	%100
3	M4	X	-.611	-.611	0	%100
4	M4	Z	.353	.353	0	%100
5	M10	X	-.187	-.187	0	%100
6	M10	Z	.108	.108	0	%100
7	MP3A	X	-.659	-.659	0	%100
8	MP3A	Z	.38	.38	0	%100
9	MP4A	X	-.544	-.544	0	%100
10	MP4A	Z	.314	.314	0	%100
11	MP2A	X	-.544	-.544	0	%100
12	MP2A	Z	.314	.314	0	%100
13	MP1A	X	-.544	-.544	0	%100
14	MP1A	Z	.314	.314	0	%100
15	M43	X	-.187	-.187	0	%100
16	M43	Z	.108	.108	0	%100
17	M46	X	-.344	-.344	0	%100
18	M46	Z	.198	.198	0	%100
19	M51B	X	-.763	-.763	0	%100
20	M51B	Z	.441	.441	0	%100
21	M52B	X	-.191	-.191	0	%100
22	M52B	Z	.11	.11	0	%100
23	M76	X	-1.031	-1.031	0	%100
24	M76	Z	.595	.595	0	%100
25	M77	X	-1.4	-1.4	0	%100
26	M77	Z	.808	.808	0	%100
27	M80	X	-1.475	-1.475	0	%100
28	M80	Z	.851	.851	0	%100
29	M84	X	-1.031	-1.031	0	%100
30	M84	Z	.595	.595	0	%100
31	M85	X	-.35	-.35	0	%100
32	M85	Z	.202	.202	0	%100
33	M91	X	-.369	-.369	0	%100
34	M91	Z	.213	.213	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-.749	-.749	0	%100
38	M53	Z	.432	.432	0	%100
39	M54	X	-.749	-.749	0	%100
40	M54	Z	.432	.432	0	%100
41	M55	X	-1.375	-1.375	0	%100
42	M55	Z	.794	.794	0	%100
43	M58A	X	-.191	-.191	0	%100
44	M58A	Z	.11	.11	0	%100
45	M59A	X	-.191	-.191	0	%100
46	M59A	Z	.11	.11	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-.35	-.35	0	%100
50	M64	Z	.202	.202	0	%100
51	M66	X	-.369	-.369	0	%100
52	M66	Z	.213	.213	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-.35	-.35	0	%100
56	M69	Z	.202	.202	0	%100
57	M71	X	-.369	-.369	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	.213	.213	0	%100
59	M76A	X	-.611	-.611	0	%100
60	M76A	Z	.353	.353	0	%100
61	M77A	X	-.187	-.187	0	%100
62	M77A	Z	.108	.108	0	%100
63	M78	X	-.187	-.187	0	%100
64	M78	Z	.108	.108	0	%100
65	M79A	X	-.344	-.344	0	%100
66	M79A	Z	.198	.198	0	%100
67	M82	X	-.191	-.191	0	%100
68	M82	Z	.11	.11	0	%100
69	M83A	X	-.763	-.763	0	%100
70	M83A	Z	.441	.441	0	%100
71	M87	X	-1.031	-1.031	0	%100
72	M87	Z	.595	.595	0	%100
73	M88A	X	-.35	-.35	0	%100
74	M88A	Z	.202	.202	0	%100
75	M90	X	-.369	-.369	0	%100
76	M90	Z	.213	.213	0	%100
77	M92A	X	-1.031	-1.031	0	%100
78	M92A	Z	.595	.595	0	%100
79	M93	X	-1.4	-1.4	0	%100
80	M93	Z	.808	.808	0	%100
81	M95	X	-1.475	-1.475	0	%100
82	M95	Z	.851	.851	0	%100
83	M82A	X	-.729	-.729	0	%100
84	M82A	Z	.421	.421	0	%100
85	M91B	X	-.182	-.182	0	%100
86	M91B	Z	.105	.105	0	%100
87	MP3C	X	-.659	-.659	0	%100
88	MP3C	Z	.38	.38	0	%100
89	MP4C	X	-.544	-.544	0	%100
90	MP4C	Z	.314	.314	0	%100
91	MP2C	X	-.544	-.544	0	%100
92	MP2C	Z	.314	.314	0	%100
93	MP1C	X	-.544	-.544	0	%100
94	MP1C	Z	.314	.314	0	%100
95	MP3B	X	-.659	-.659	0	%100
96	MP3B	Z	.38	.38	0	%100
97	MP4B	X	-.544	-.544	0	%100
98	MP4B	Z	.314	.314	0	%100
99	MP2B	X	-.544	-.544	0	%100
100	MP2B	Z	.314	.314	0	%100
101	MP1B	X	-.544	-.544	0	%100
102	MP1B	Z	.314	.314	0	%100
103	M104	X	-.165	-.165	0	%100
104	M104	Z	.095	.095	0	%100
105	M109	X	-.659	-.659	0	%100
106	M109	Z	.38	.38	0	%100
107	M114	X	-.165	-.165	0	%100
108	M114	Z	.095	.095	0	%100
109	M125A	X	-.191	-.191	0	%100
110	M125A	Z	.111	.111	0	%100
111	M126A	X	-.766	-.766	0	%100
112	M126A	Z	.442	.442	0	%100
113	M127A	X	-.191	-.191	0	%100
114	M127A	Z	.111	.111	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.941	-.941	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	-.761	-.761	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-.628	-.628	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-.628	-.628	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.628	-.628	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	-.661	-.661	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.661	-.661	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-1.587	-1.587	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-1.213	-1.213	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-1.277	-1.277	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-1.587	-1.587	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-1.213	-1.213	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-1.277	-1.277	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.235	-.235	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-.649	-.649	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-.649	-.649	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-1.191	-1.191	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-.661	-.661	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-.397	-.397	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-1.213	-1.213	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-1.277	-1.277	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-.397	-.397	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	0	0	0	%100
59	M76A	X	-.235	-.235	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-.649	-.649	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-.649	-.649	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-1.191	-1.191	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-.661	-.661	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.397	-.397	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-.397	-.397	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-1.213	-1.213	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-1.277	-1.277	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-.631	-.631	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-.631	-.631	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-.761	-.761	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-.628	-.628	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	-.628	-.628	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-.628	-.628	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	-.761	-.761	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	-.628	-.628	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-.628	-.628	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-.628	-.628	0	%100
102	MP1B	Z	0	0	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M109	X	-.57	-.57	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	-.57	-.57	0	%100
108	M114	Z	0	0	0	%100
109	M125A	X	0	0	0	%100
110	M125A	Z	0	0	0	%100
111	M126A	X	-.663	-.663	0	%100
112	M126A	Z	0	0	0	%100
113	M127A	X	-.663	-.663	0	%100
114	M127A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.182	-.182	0	%100
2	M1	Z	-.105	-.105	0	%100
3	M4	X	-.611	-.611	0	%100
4	M4	Z	-.353	-.353	0	%100
5	M10	X	-.187	-.187	0	%100
6	M10	Z	-.108	-.108	0	%100
7	MP3A	X	-.659	-.659	0	%100
8	MP3A	Z	-.38	-.38	0	%100
9	MP4A	X	-.544	-.544	0	%100
10	MP4A	Z	-.314	-.314	0	%100
11	MP2A	X	-.544	-.544	0	%100
12	MP2A	Z	-.314	-.314	0	%100
13	MP1A	X	-.544	-.544	0	%100
14	MP1A	Z	-.314	-.314	0	%100
15	M43	X	-.187	-.187	0	%100
16	M43	Z	-.108	-.108	0	%100
17	M46	X	-.344	-.344	0	%100
18	M46	Z	-.198	-.198	0	%100
19	M51B	X	-.191	-.191	0	%100
20	M51B	Z	-.11	-.11	0	%100
21	M52B	X	-.763	-.763	0	%100
22	M52B	Z	-.441	-.441	0	%100
23	M76	X	-1.031	-1.031	0	%100
24	M76	Z	-.595	-.595	0	%100
25	M77	X	-.35	-.35	0	%100
26	M77	Z	-.202	-.202	0	%100
27	M80	X	-.369	-.369	0	%100
28	M80	Z	-.213	-.213	0	%100
29	M84	X	-1.031	-1.031	0	%100
30	M84	Z	-.595	-.595	0	%100
31	M85	X	-1.4	-1.4	0	%100
32	M85	Z	-.808	-.808	0	%100
33	M91	X	-1.475	-1.475	0	%100
34	M91	Z	-.851	-.851	0	%100
35	M52A	X	-.611	-.611	0	%100
36	M52A	Z	-.353	-.353	0	%100
37	M53	X	-.187	-.187	0	%100
38	M53	Z	-.108	-.108	0	%100
39	M54	X	-.187	-.187	0	%100
40	M54	Z	-.108	-.108	0	%100
41	M55	X	-.344	-.344	0	%100
42	M55	Z	-.198	-.198	0	%100
43	M58A	X	-.763	-.763	0	%100
44	M58A	Z	-.441	-.441	0	%100
45	M59A	X	-.191	-.191	0	%100
46	M59A	Z	-.11	-.11	0	%100
47	M63	X	-1.031	-1.031	0	%100
48	M63	Z	-.595	-.595	0	%100
49	M64	X	-1.4	-1.4	0	%100
50	M64	Z	-.808	-.808	0	%100
51	M66	X	-1.475	-1.475	0	%100
52	M66	Z	-.851	-.851	0	%100
53	M68	X	-1.031	-1.031	0	%100
54	M68	Z	-.595	-.595	0	%100
55	M69	X	-.35	-.35	0	%100
56	M69	Z	-.202	-.202	0	%100
57	M71	X	-.369	-.369	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	-.213	-.213	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-.749	-.749	0	%100
62	M77A	Z	-.432	-.432	0	%100
63	M78	X	-.749	-.749	0	%100
64	M78	Z	-.432	-.432	0	%100
65	M79A	X	-1.375	-1.375	0	%100
66	M79A	Z	-.794	-.794	0	%100
67	M82	X	-.191	-.191	0	%100
68	M82	Z	-.11	-.11	0	%100
69	M83A	X	-.191	-.191	0	%100
70	M83A	Z	-.11	-.11	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-.35	-.35	0	%100
74	M88A	Z	-.202	-.202	0	%100
75	M90	X	-.369	-.369	0	%100
76	M90	Z	-.213	-.213	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-.35	-.35	0	%100
80	M93	Z	-.202	-.202	0	%100
81	M95	X	-.369	-.369	0	%100
82	M95	Z	-.213	-.213	0	%100
83	M82A	X	-.182	-.182	0	%100
84	M82A	Z	-.105	-.105	0	%100
85	M91B	X	-.729	-.729	0	%100
86	M91B	Z	-.421	-.421	0	%100
87	MP3C	X	-.659	-.659	0	%100
88	MP3C	Z	-.38	-.38	0	%100
89	MP4C	X	-.544	-.544	0	%100
90	MP4C	Z	-.314	-.314	0	%100
91	MP2C	X	-.544	-.544	0	%100
92	MP2C	Z	-.314	-.314	0	%100
93	MP1C	X	-.544	-.544	0	%100
94	MP1C	Z	-.314	-.314	0	%100
95	MP3B	X	-.659	-.659	0	%100
96	MP3B	Z	-.38	-.38	0	%100
97	MP4B	X	-.544	-.544	0	%100
98	MP4B	Z	-.314	-.314	0	%100
99	MP2B	X	-.544	-.544	0	%100
100	MP2B	Z	-.314	-.314	0	%100
101	MP1B	X	-.544	-.544	0	%100
102	MP1B	Z	-.314	-.314	0	%100
103	M104	X	-.165	-.165	0	%100
104	M104	Z	-.095	-.095	0	%100
105	M109	X	-.165	-.165	0	%100
106	M109	Z	-.095	-.095	0	%100
107	M114	X	-.659	-.659	0	%100
108	M114	Z	-.38	-.38	0	%100
109	M125A	X	-.191	-.191	0	%100
110	M125A	Z	-.111	-.111	0	%100
111	M126A	X	-.191	-.191	0	%100
112	M126A	Z	-.111	-.111	0	%100
113	M127A	X	-.766	-.766	0	%100
114	M127A	Z	-.442	-.442	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.315	-.315	0	%100
2	M1	Z	-.546	-.546	0	%100
3	M4	X	-.118	-.118	0	%100
4	M4	Z	-.204	-.204	0	%100
5	M10	X	-.324	-.324	0	%100
6	M10	Z	-.562	-.562	0	%100
7	MP3A	X	-.38	-.38	0	%100
8	MP3A	Z	-.659	-.659	0	%100
9	MP4A	X	-.314	-.314	0	%100
10	MP4A	Z	-.544	-.544	0	%100
11	MP2A	X	-.314	-.314	0	%100
12	MP2A	Z	-.544	-.544	0	%100
13	MP1A	X	-.314	-.314	0	%100
14	MP1A	Z	-.544	-.544	0	%100
15	M43	X	-.324	-.324	0	%100
16	M43	Z	-.562	-.562	0	%100
17	M46	X	-.595	-.595	0	%100
18	M46	Z	-1.031	-1.031	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.331	-.331	0	%100
22	M52B	Z	-.573	-.573	0	%100
23	M76	X	-.198	-.198	0	%100
24	M76	Z	-.344	-.344	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	-.344	-.344	0	%100
31	M85	X	-.606	-.606	0	%100
32	M85	Z	-1.05	-1.05	0	%100
33	M91	X	-.639	-.639	0	%100
34	M91	Z	-1.106	-1.106	0	%100
35	M52A	X	-.47	-.47	0	%100
36	M52A	Z	-.815	-.815	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-.331	-.331	0	%100
44	M58A	Z	-.573	-.573	0	%100
45	M59A	X	-.331	-.331	0	%100
46	M59A	Z	-.573	-.573	0	%100
47	M63	X	-.794	-.794	0	%100
48	M63	Z	-1.375	-1.375	0	%100
49	M64	X	-.606	-.606	0	%100
50	M64	Z	-1.05	-1.05	0	%100
51	M66	X	-.639	-.639	0	%100
52	M66	Z	-1.106	-1.106	0	%100
53	M68	X	-.794	-.794	0	%100
54	M68	Z	-1.375	-1.375	0	%100
55	M69	X	-.606	-.606	0	%100
56	M69	Z	-1.05	-1.05	0	%100
57	M71	X	-.639	-.639	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	-1.106	-1.106	0	%100
59	M76A	X	-.118	-.118	0	%100
60	M76A	Z	-.204	-.204	0	%100
61	M77A	X	-.324	-.324	0	%100
62	M77A	Z	-.562	-.562	0	%100
63	M78	X	-.324	-.324	0	%100
64	M78	Z	-.562	-.562	0	%100
65	M79A	X	-.595	-.595	0	%100
66	M79A	Z	-1.031	-1.031	0	%100
67	M82	X	-.331	-.331	0	%100
68	M82	Z	-.573	-.573	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.198	-.198	0	%100
72	M87	Z	-.344	-.344	0	%100
73	M88A	X	-.606	-.606	0	%100
74	M88A	Z	-1.05	-1.05	0	%100
75	M90	X	-.639	-.639	0	%100
76	M90	Z	-1.106	-1.106	0	%100
77	M92A	X	-.198	-.198	0	%100
78	M92A	Z	-.344	-.344	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-.315	-.315	0	%100
86	M91B	Z	-.546	-.546	0	%100
87	MP3C	X	-.38	-.38	0	%100
88	MP3C	Z	-.659	-.659	0	%100
89	MP4C	X	-.314	-.314	0	%100
90	MP4C	Z	-.544	-.544	0	%100
91	MP2C	X	-.314	-.314	0	%100
92	MP2C	Z	-.544	-.544	0	%100
93	MP1C	X	-.314	-.314	0	%100
94	MP1C	Z	-.544	-.544	0	%100
95	MP3B	X	-.38	-.38	0	%100
96	MP3B	Z	-.659	-.659	0	%100
97	MP4B	X	-.314	-.314	0	%100
98	MP4B	Z	-.544	-.544	0	%100
99	MP2B	X	-.314	-.314	0	%100
100	MP2B	Z	-.544	-.544	0	%100
101	MP1B	X	-.314	-.314	0	%100
102	MP1B	Z	-.544	-.544	0	%100
103	M104	X	-.285	-.285	0	%100
104	M104	Z	-.494	-.494	0	%100
105	M109	X	0	0	0	%100
106	M109	Z	0	0	0	%100
107	M114	X	-.285	-.285	0	%100
108	M114	Z	-.494	-.494	0	%100
109	M125A	X	-.332	-.332	0	%100
110	M125A	Z	-.574	-.574	0	%100
111	M126A	X	0	0	0	%100
112	M126A	Z	0	0	0	%100
113	M127A	X	-.332	-.332	0	%100
114	M127A	Z	-.574	-.574	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M58A	Y	-1.665	-4.226	0	.832
2	M58A	Y	-4.226	-6.901	.832	1.665
3	M58A	Y	-6.901	-8.189	1.665	2.497
4	M58A	Y	-8.189	-6.544	2.497	3.329
5	M58A	Y	-6.544	-3.463	3.329	4.162
6	M59A	Y	-3.469	-6.578	0	.832
7	M59A	Y	-6.578	-8.256	.832	1.665
8	M59A	Y	-8.256	-7.041	1.665	2.497
9	M59A	Y	-7.041	-4.429	2.497	3.329
10	M59A	Y	-4.429	-1.881	3.329	4.162
11	M82	Y	-1.883	-4.428	0	.832
12	M82	Y	-4.428	-7.048	.832	1.665
13	M82	Y	-7.048	-8.261	1.665	2.497
14	M82	Y	-8.261	-6.572	2.497	3.329
15	M82	Y	-6.572	-3.462	3.329	4.162
16	M83A	Y	-3.463	-6.544	0	.832
17	M83A	Y	-6.544	-8.187	.832	1.665
18	M83A	Y	-8.187	-6.899	1.665	2.497
19	M83A	Y	-6.899	-4.227	2.497	3.329
20	M83A	Y	-4.227	-1.664	3.329	4.162
21	M51B	Y	-1.665	-4.227	0	.832
22	M51B	Y	-4.227	-6.9	.832	1.665
23	M51B	Y	-6.9	-8.189	1.665	2.497
24	M51B	Y	-8.189	-6.545	2.497	3.329
25	M51B	Y	-6.545	-3.463	3.329	4.162
26	M52B	Y	-3.47	-6.578	0	.832
27	M52B	Y	-6.578	-8.256	.832	1.665
28	M52B	Y	-8.256	-7.042	1.665	2.497
29	M52B	Y	-7.042	-4.428	2.497	3.329
30	M52B	Y	-4.428	-1.879	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M58A	Y	-3.219	-8.168	0	.832
2	M58A	Y	-8.168	-13.338	.832	1.665
3	M58A	Y	-13.338	-15.829	1.665	2.497
4	M58A	Y	-15.829	-12.648	2.497	3.329
5	M58A	Y	-12.648	-6.693	3.329	4.162
6	M59A	Y	-6.706	-12.714	0	.832
7	M59A	Y	-12.714	-15.957	.832	1.665
8	M59A	Y	-15.957	-13.61	1.665	2.497
9	M59A	Y	-13.61	-8.561	2.497	3.329
10	M59A	Y	-8.561	-3.635	3.329	4.162
11	M82	Y	-3.639	-8.558	0	.832
12	M82	Y	-8.558	-13.622	.832	1.665
13	M82	Y	-13.622	-15.968	1.665	2.497
14	M82	Y	-15.968	-12.703	2.497	3.329
15	M82	Y	-12.703	-6.693	3.329	4.162
16	M83A	Y	-6.694	-12.649	0	.832
17	M83A	Y	-12.649	-15.825	.832	1.665
18	M83A	Y	-15.825	-13.336	1.665	2.497
19	M83A	Y	-13.336	-8.171	2.497	3.329
20	M83A	Y	-8.171	-3.215	3.329	4.162
21	M51B	Y	-3.219	-8.17	0	.832
22	M51B	Y	-8.17	-13.336	.832	1.665
23	M51B	Y	-13.336	-15.828	1.665	2.497

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
24	M51B	Y	-15.828	-12.65	2.497	3.329
25	M51B	Y	-12.65	-6.693	3.329	4.162
26	M52B	Y	-6.707	-12.714	0	.832
27	M52B	Y	-12.714	-15.958	.832	1.665
28	M52B	Y	-15.958	-13.611	1.665	2.497
29	M52B	Y	-13.611	-8.559	2.497	3.329
30	M52B	Y	-8.559	-3.633	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N90	N89	N111	Y	Two Way	-.005
2	N117	N139	N141	N118	Y	Two Way	-.005
3	N6	N87C	N87B	N7	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N90	N89	N111	Y	Two Way	-.01
2	N117	N139	N141	N118	Y	Two Way	-.01
3	N6	N87C	N87B	N7	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	932.809	10	2695.214	1	3340.461	1	7.778	1	1.52	4	.325	3
2		min	-958.532	4	-710.591	7	-3468.276	7	-3.863	7	-1.559	10	-.418	9
3	N87D	max	2841.99	9	2695.425	9	1846.039	3	1.727	3	1.52	12	3.463	3
4		min	-2939.234	3	-710.461	3	-1758.841	9	-3.765	9	-1.559	6	-6.807	9
5	N115	max	3068.297	11	2695.255	5	1622.408	11	2.135	11	1.52	8	6.664	5
6		min	-2944.159	5	-710.506	11	-1581.791	5	-4.013	5	-1.559	2	-3.228	11
7	Totals:	max	6267.117	10	6413.641	13	6266.679	1						
8		min	-6267.116	4	2955.971	7	-6266.678	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M1	PIPE_3.0	.235	8.073	4	.132	4.427		7	28250.5...	65205	5.749	5.749	3...	H1-1b
2	M4	HSS4X4X4	.493	0	1	.085	0	y	2	124657....	139518	16.181	16.181	2...	H1-1b
3	M10	HSS4X4X3	.254	2.375	2	.094	.223	z	1	104414....	106812	12.662	12.662	1...	H1-1b
4	MP3A	PIPE_2.5	.532	5.323	5	.207	5.323		3	33961.6...	50715	3.596	3.596	2...	H1-1b
5	MP4A	PIPE_2.0	.420	2.333	6	.180	2.333		7	17855.0...	32130	1.872	1.872	1...	H1-1b
6	MP2A	PIPE_2.0	.673	5.323	9	.138	3.427		11	17855.0...	32130	1.872	1.872	2...	H1-1b
7	MP1A	PIPE_2.0	.454	2.333	8	.175	2.333		8	17855.0...	32130	1.872	1.872	1...	H1-1b
8	M43	HSS4X4X3	.252	0	12	.091	2.152	z	1	104414....	106812	12.662	12.662	1...	H1-1b
9	M46	PL1/2x6	.279	.516	1	.233	.516	y	4	66009.2...	97200	1.012	12.15	1...	H1-1b
10	M51B	L2x2x3	.201	4.162	1	.014	0	y	16	9823.122	23392.8	.558	1.078	1...	H2-1
11	M52B	L2x2x3	.201	0	1	.013	4.162	y	21	9823.122	23392.8	.558	1.078	1...	H2-1
12	M76	PL3/8x6	.302	0	11	.323	0	y	5	70647.0...	72900	.57	9.113	1...	H1-1b
13	M77	PL3/8x6	.346	.167	7	.341	0	y	1	71583.5...	72900	.57	9.113	1...	H1-1b
14	M80	PL1/2x6	.111	.112	1	.182	.112	y	5	96757.5...	97200	1.012	12.15	1...	H1-1b
15	M84	PL3/8x6	.346	0	10	.356	0	y	9	70647.0...	72900	.57	9.113	2...	H1-1b
16	M85	PL3/8x6	.343	.167	7	.343	0	y	24	71583.5...	72900	.57	9.113	1...	H1-1b
17	M91	PL1/2x6	.102	.112	1	.210	0	y	3	96757.5...	97200	1.012	12.15	1...	H1-1b
18	M52A	HSS4X4X4	.493	0	9	.092	0	y	44	124657....	139518	16.181	16.181	2...	H1-1b
19	M53	HSS4X4X3	.254	2.375	10	.094	.223	z	9	104414....	106812	12.662	12.662	1...	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
20	M54	HSS4X4X3	.252	0	8	.091	2.152	z	9	104414....	106812	12.662	12.662	1....	H1-1b
21	M55	PL1/2x6	.279	.516	9	.233	.516	y	12	66009.2...	97200	1.012	12.15	1....	H1-1b
22	M58A	L2x2x3	.201	4.162	9	.014	0	y	24	9823.122	23392.8	.558	1.078	1....	H2-1
23	M59A	L2x2x3	.201	0	9	.013	4.162	y	17	9823.122	23392.8	.558	1.078	1....	H2-1
24	M63	PL3/8x6	.302	0	7	.323	0	y	1	70647.0...	72900	.57	9.113	1....	H1-1b
25	M64	PL3/8x6	.346	.167	3	.341	0	y	9	71583.5...	72900	.57	9.113	1....	H1-1b
26	M66	PL1/2x6	.111	.112	9	.182	.112	y	1	96757.5...	97200	1.012	12.15	1....	H1-1b
27	M68	PL3/8x6	.346	0	6	.356	0	y	5	70647.0...	72900	.57	9.113	2....	H1-1b
28	M69	PL3/8x6	.343	.167	3	.343	0	y	20	71583.5...	72900	.57	9.113	1....	H1-1b
29	M71	PL1/2x6	.102	.112	9	.210	0	y	11	96757.5...	97200	1.012	12.15	1....	H1-1b
30	M76A	HSS4X4X4	.493	0	5	.085	0	y	6	124657....	139518	16.181	16.181	2....	H1-1b
31	M77A	HSS4X4X3	.254	2.375	6	.094	.223	z	5	104414....	106812	12.662	12.662	1....	H1-1b
32	M78	HSS4X4X3	.252	0	4	.091	2.152	z	5	104414....	106812	12.662	12.662	1....	H1-1b
33	M79A	PL1/2x6	.279	.516	5	.233	.516	y	8	66009.2...	97200	1.012	12.15	1....	H1-1b
34	M82	L2x2x3	.201	4.162	5	.014	0	y	20	9823.122	23392.8	.558	1.078	1....	H2-1
35	M83A	L2x2x3	.200	0	5	.013	4.162	y	13	9823.122	23392.8	.558	1.078	1....	H2-1
36	M87	PL3/8x6	.302	0	3	.323	0	y	9	70647.0...	72900	.57	9.113	1....	H1-1b
37	M88A	PL3/8x6	.346	.167	11	.341	0	y	5	71583.5...	72900	.57	9.113	1....	H1-1b
38	M90	PL1/2x6	.111	.112	5	.182	.112	y	9	96757.5...	97200	1.012	12.15	1....	H1-1b
39	M92A	PL3/8x6	.346	0	2	.356	0	y	1	70647.0...	72900	.57	9.113	2....	H1-1b
40	M93	PL3/8x6	.343	.167	11	.343	0	y	16	71583.5...	72900	.57	9.113	1....	H1-1b
41	M95	PL1/2x6	.102	.112	5	.210	0	y	7	96757.5...	97200	1.012	12.15	1....	H1-1b
42	M82A	PIPE_3.0	.235	8.073	12	.132	4.427		3	28250.5...	65205	5.749	5.749	3....	H1-1b
43	M91B	PIPE_3.0	.235	8.073	8	.132	4.427		11	28250.5...	65205	5.749	5.749	3....	H1-1b
44	MP3C	PIPE_2.5	.532	5.323	1	.207	5.323		11	33961.6...	50715	3.596	3.596	1....	H1-1b
45	MP4C	PIPE_2.0	.421	2.333	2	.180	2.333		3	17855.0...	32130	1.872	1.872	2....	H1-1b
46	MP2C	PIPE_2.0	.673	5.323	5	.138	3.427		7	17855.0...	32130	1.872	1.872	2....	H1-1b
47	MP1C	PIPE_2.0	.482	2.333	4	.175	2.333		4	17855.0...	32130	1.872	1.872	1....	H1-1b
48	MP3B	PIPE_2.5	.532	5.323	9	.207	5.323		7	33961.6...	50715	3.596	3.596	2....	H1-1b
49	MP4B	PIPE_2.0	.421	2.333	10	.180	2.333		11	17855.0...	32130	1.872	1.872	2....	H1-1b
50	MP2B	PIPE_2.0	.673	5.323	1	.138	3.427		3	17855.0...	32130	1.872	1.872	2....	H1-1b
51	MP1B	PIPE_2.0	.454	2.333	12	.175	2.333		12	17855.0...	32130	1.872	1.872	1....	H1-1b
52	M104	PIPE_2.5	.353	8.203	6	.181	11.198		7	14558.7...	50715	3.596	3.596	2....	H1-1b
53	M109	PIPE_2.5	.353	8.203	2	.181	11.198		3	14558.7...	50715	3.596	3.596	2....	H1-1b
54	M114	PIPE_2.5	.353	8.203	10	.181	11.198		11	14558.7...	50715	3.596	3.596	2....	H1-1b
55	M125A	L3X3X4	.562	1.393	11	.106	0	y	4	44692.4...	46656	1.688	3.756	2....	H2-1
56	M126A	L3X3X4	.562	1.393	7	.106	0	y	12	44692.4...	46656	1.688	3.756	2....	H2-1
57	M127A	L3X3X4	.562	1.393	3	.106	0	y	8	44692.4...	46656	1.688	3.756	2....	H2-1

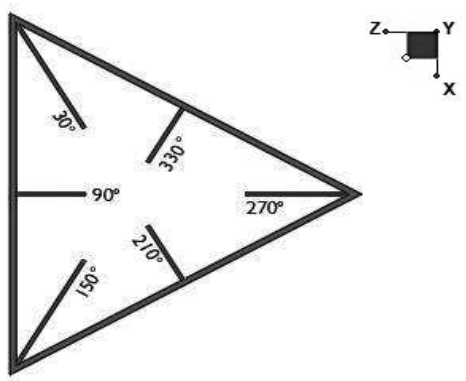
Client:	Verizon Wireless	Date:	7/30/2021
Site Name:	NORTH STONINGTON EAST CT		
Project No.	21777124A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

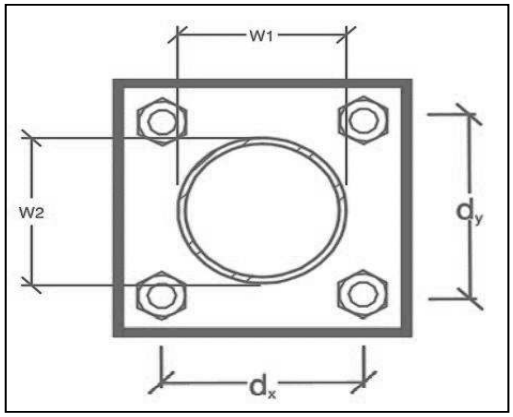
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N3	270
N87D	30
N115	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)*:	6
d_y (in) *(Delta Y of typ. bolt config. sketch)*:	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	34.5
Required Shear Strength (kips):	4.3
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**41.6%***
Shear Capacity Overall:	**8.7%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	8
Plate Height (in):	8
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	5
Phi*Rn (kip/in):	6.96
Required Weld Strength (kip/in):	4.59
Plate Bending Capacity:	**47.3%**
Weld Capacity:	**65.9%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)*:	17.2
Phi*Mn_{xx} *(kip-in)*:	36.5
Mu_{yy} *(kip-in)*:	0.0
Phi*Mn_{yy} *(kip-in)*:	36.5

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded **to https://pmi.vzwsmart.com** as depicted on the drawings

Photo Requirements:

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

- *Photos taken at Mount Elevation*
    - Photos showing each individual sector before and also after installation of modifications. Each entire sector must be in one photo to show in the inter-connection of members.
        - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
    - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
    - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
    - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
    - Photos showing the safety climb wire rope above and below the mount prior to modification.
    - Photos showing the climbing facility and safety climb if present.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by Maser Consulting Connecticut.
    - If the drawings are as specified on the drawings
        - The contractor should provide the packing list or the materials utilized to perform the mount modification
    - If an equivalent is utilized
        - It is required that the Maser Consulting Connecticut certification of such is included in the contractor submission package. There may be an additional charge for this certification if the equivalent submission doesn't meet specifications as prescribed in the drawings.
- The contractor must certify that the materials meet these specifications by one of these methods.

☐ The Material utilized was as specified on the Maser Consulting Connecticut Mount Modification Drawings and included in the Material certification folder is a packing list or invoice for these materials

☐ The material utilized was an "equivalent" and included as part of the contractor submission is the Maser Consulting Connecticut certification, invoices, or specifications validating accepted status

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor to verify the mount connection weld size of 5/16",if different contact EOR. Contractor to Install safety climb wire clip on existing standoff horizontal such that the existing safety climb wire does not contact the existing mount members.

Response:

Schedule A – Photo & Document File Structure

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

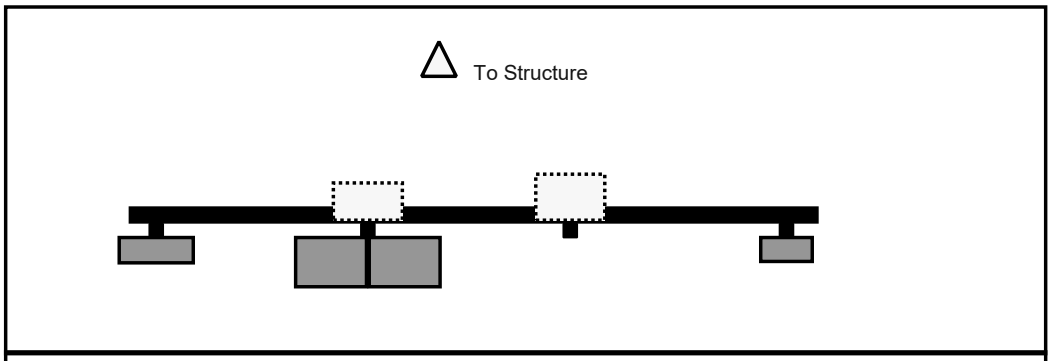
Structure: 467659-VZW - NORTH STONINGTON EAST CT

Sector: **A** 7/30/2021

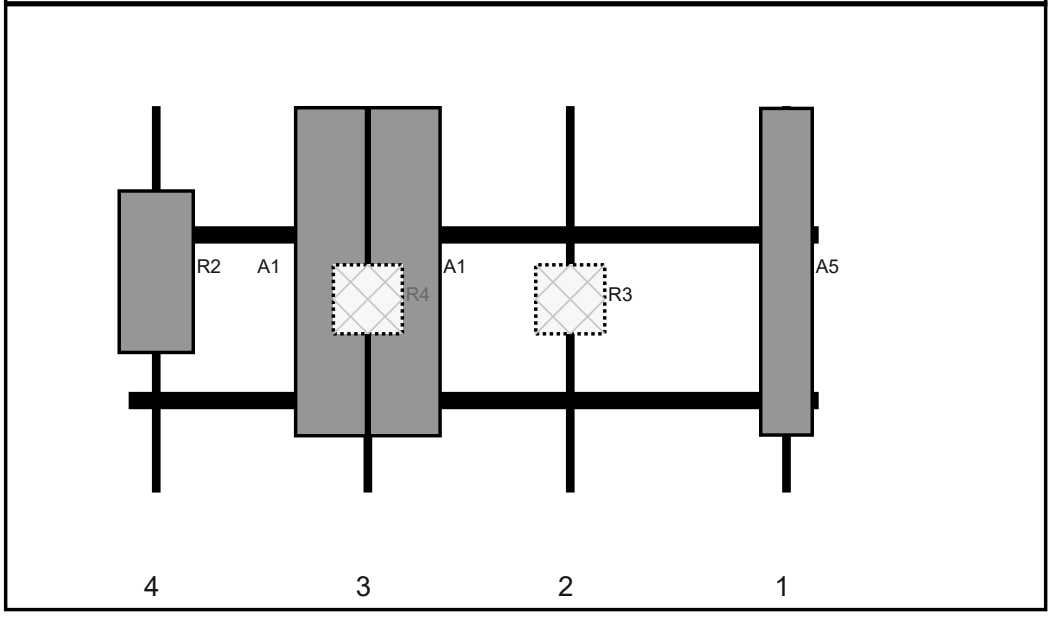
Structure Type: Monopole 10039602

Mount Elev: 138.00 Page: 1

Plan View



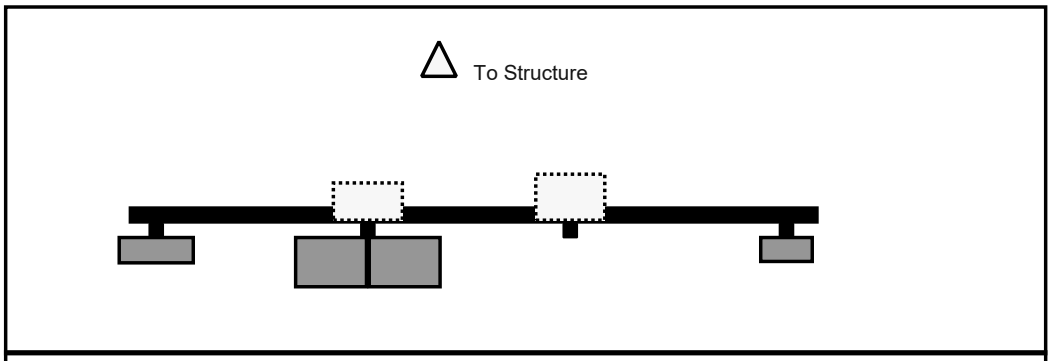
Front View
Looking at Structure



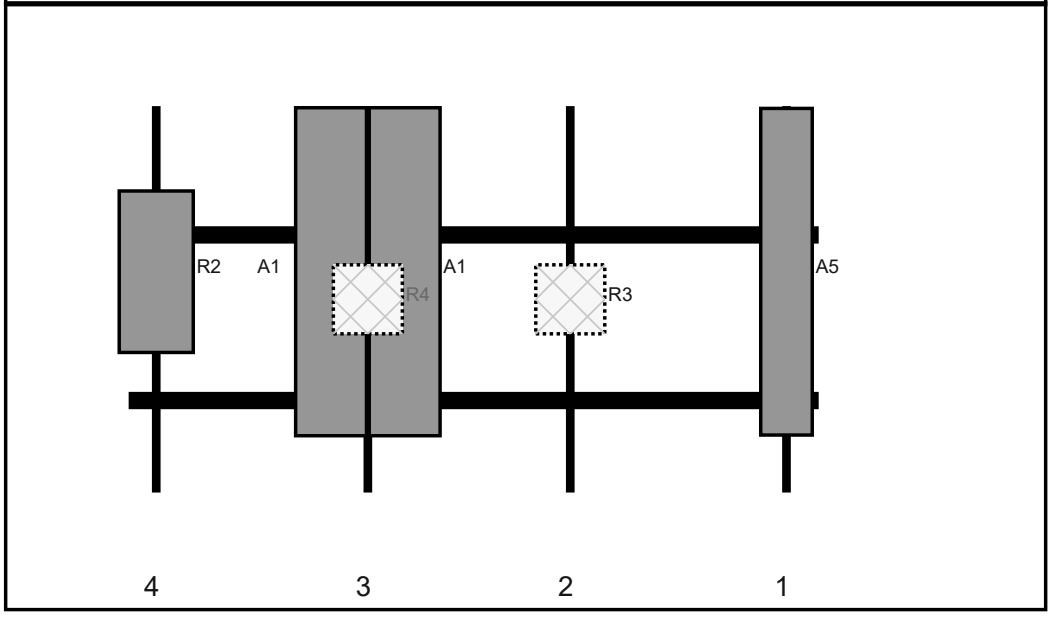
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	BXA-70063-6CF	71	11.2	143	1	a	Front	36	0	Retained	03/22/2021
R3	B2/B66A RRH-BR049	15	15	96	2	a	Behind	42	0	Added	
A1	MX06FRO660-03	71.3	15.4	52	3	a	Front	36	8	Added	
A1	MX06FRO660-03	71.3	15.4	52	3	b	Front	36	-8	Added	
R4	B5/B13 RRH-BR04C	15	15	52	3	a	Behind	42	0	Added	
R2	MT6407-77A	35.1	16.1	6	4	a	Front	36	0	Added	

MASER CONSULTING — CONNECTICUT —

Plan View



Front View
Looking at Structure



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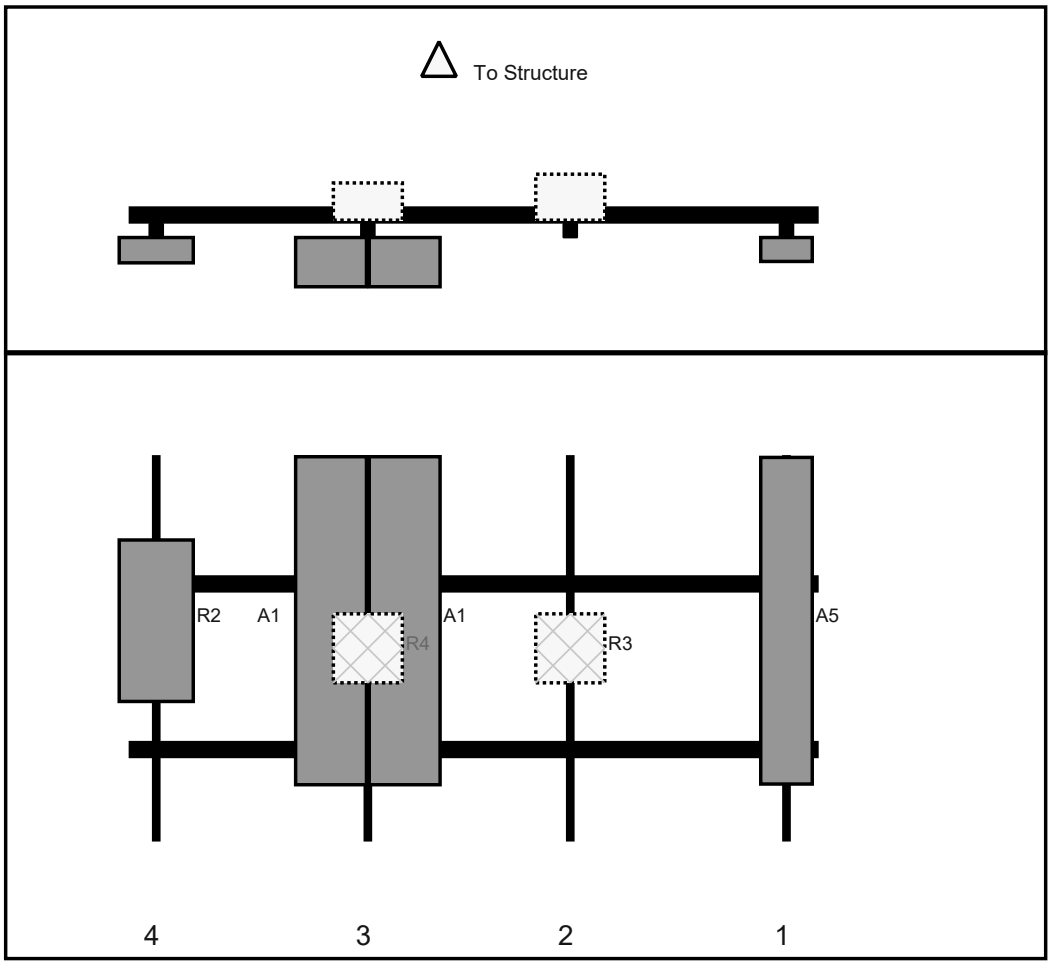
R4	B5/B13 RRH-BR04C	15	15	52	3	a	Behind	42	0	Added	
R2	MT6407-77A	35.1	16.1	6	4	a	Front	36	0	Added	

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
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R4	B5/B13 RRH-BR04C	15	15	52	3	a	Behind	42	0	Added	
R2	MT6407-77A	35.1	16.1	6	4	a	Front	36	0	Added	

Maser Consulting Connecticut

Subject	*TIA-222-H Usage*	
Site Information	*Site ID:*	*467659-VZW / NORTH STONINGTON EAST CT*
	Site Name:	*NORTH STONINGTON EAST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*31 F Clarks Fall Rd* *North Stonington, Connecticut 06359* *New London County*
	Latitude:	*41.464789°*
	Longitude:	*-71.826283°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

To Whom It May Concern,

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

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

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

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

Sincerely,

Derek Hartzell, PE
Technical Specialist

Exhibit F

Power Density/RF Emissions Report

Site Name: ***NORTH STONINGTON EAST CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	623	2494	140	0.0046	0.5007	0.91%
VZW Cellular	874	4	623	2494	140	0.0046	0.5827	0.79%
VZW PCS	1977.5	4	1428	5713	140	0.0105	1.0000	1.05%
VZW AWS	2120	4	1530	6122	140	0.0112	1.0000	1.12%
VZW CBAND	3730.08	4	6531	26125	140	0.0479	1.0000	4.79%
Total Percentage of Maximum Permissible Exposure								8.66%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

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

Absolute worst case maximum values used.

14422

Network Building & Consulting LLC SA
1177 Sentry Parkway West, VEVA 17, Suite 400
Blue Bell, PA 19422
(410)712-7092

TRUIST
BB&T is now Truist
65-330/550

CHECK DATE 10/13/2021

PAY Six Hundred Twenty Five and 0/100 Dollars

TO Connecticut Siting Council

AMOUNT $625.00
Void After 6 Months

AUTHORIZED SIGNATURE

Security features. Details on back.

⑈000144222⑈ ⑆055003308⑆ 1210000891825⑈

Network Building & Consulting LLC SA 14422

Network Building & Consulting, LLC

Check Date: 10/13/2021

Check Request#: CR010615

Project /Site ID: 100788/ 1011

Site Name: 876374

Purpose: Admin Zoning Fee

Memo 1: Building permit fee for Crown Castle 876374 APP 552676 31F Clarks Falls Road NORTH STONINGTON, CT 6359
Please contact Ersilia Davis 551-804-0667, edavis@nbcllc.com with any questions

Memo 2:

Memo 3: 14422

Memo 4:

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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