NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

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

November 15, 2021

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

RE: Exempt Modification Application
848 East Street, Suffield, CT 06078
Latitude: 41.957000
Longitude: -72.625722
Site #: 801487_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 848 East Street, Suffield, CT 06078. Verizon Wireless currently maintains twelve (12) antennas at the 153-foot level of the existing 166-foot tower. The property is owned by the Town of Suffield and the tower is owned by Crown Castle. Verizon now intends to replace three (3) antennas. The new antennas would be installed at the 153-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable. Antenna mount modifications will be completed as per the attached GPD / Maser mount analysis dated September 16, 2021.

Verizon Planned Modifications:

Remove:
(3) ANTEL LPA-80080-6CF Antennas

Remove and Replace:
(3) ANTEL LPA-80080-6CF Antennas (REMOVE) – (3) MT6407-77A Antennas (REPLACE)
(3) Nokia B66 RRH (REMOVE) - (3) Samsung RF4439D-25A (REPLACE)
(3) Nokia B13 RRH (REMOVE) - (3) Samsung RF4440D-13A (REPLACE)

Install New: None

Existing to Remain:
(6) ANDREW / COMMSCOPE Antennas
(12) 1-5/8" Coax
(2) Hybrid Lines
(2) Raycap OVP

The facility was approved by the Town of Suffield Planning & Zoning Commission on May 1, 2000. Please see attached.

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Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies§ 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.SA. § 16-SOj-73, a copy of this letter is being sent to Melissa Mack, First Selectwoman, and Bill Hawkins, Director of Planning & Development for the Town of Suffield. A copy is also being sent to the tower owner and property owner.

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

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

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

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

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

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

6. The existing structure and its foundation can support the proposed loading.

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

Sincerely,

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

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Attachments

Cc: Melissa Mack - First Selectwoman & Property Owner
Town of Suffield
83 Mountain Road, Suffield, CT 06078

Bill Hawkins - Director of Planning & Development
Town of Suffield
83 Mountain Road, Suffield, CT 06078

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

SUFFIELD ZONING AND PLANNING COMMISSION
MINUTES OF A SPECIAL MEETING
MAY 1, 2000

PRESENT:.....Dr. Douglas Viets, Chairman
.....Mr. Stephen Martin, Secretary
.....Mr. Lawrence Boudreau, Alternate
.....Mr. Christopher Burke
.....Mr. Chester Kuras
.....Mr. Timothy Reynolds, Alternate

ABSENT.....Mr. Frank Bauchiero, Jr.
.....Mr. David Berto, Alternate
.....Mr. J. Scott Guilmartin

ALSO PRESENT:.....Mr. William Kweder, Planning Consultant
.....Mr. Gerald Turbet, Town Engineer

Chairman Viets called the Special Meeting to order at 7:38 P.M.

File #740– Request of Suffield Economic Development Commission for a special use permit for the approval of sites for communication towers located on Town properties: WPCA, Highway Department, and Landfill. Discussion tabled from the April 17, 2000 Regular Meeting.

Chairman Viets appointed Mr. Reynolds as voting alternate since he had been present at the public hearing on File #740.

Mr. Boudreau stated that he had not been present nor had he listened to the hearing tapes. Therefore, voting members numbered five.

Chairman Viets asked if the requested information from the State Historic Preservation Office concerning the impact on the Hatheway House had been received. Mr. Kweder reported that no information had been received to this date. Upon questioning, it was found that the applicant had received a letter, but it had not been forwarded to the Commission.

Crown Atlantic Company's attorney, Kenneth Baldwin, presented the State Historic Preservation Office (SHPO) letter, dated April 11, 2000, to Commission. Chairman Viets read the letter to the Commission for the record. The had been sent prior to the public hearing when the Town Garage Site was proposed to support a 180-foot tower. The size of the tower was reduced (public hearing testimony) to 120-feet. The Commission proceeded to review the three proposed tower sites beginning with the Town Garage.

Mr. Turbet suggested that, if the three sites were approved, general conditions be approved for all three locations. These conditions, in brief, are:

1. provision of detail;
2. submission of FCC licenses for each company;
3. revision of site plans;
4. provisions of self-collapsing towers certified by a registered Connecticut professional engineer;

5. under-grounding of utilities;
6. sign-off by the Zoning Enforcement Official on each application;
7. height limits to include antennae at tops of structures.

The Public Garage site tower was reduced from 180-feet to 120-feet. The Commission members reviewed pictures of the site with and without the tower from South Main Street along with the view-shed map for this site, and discussed the location in respect to visibility.

The WPCA Site tower was reduced from 199-feet to 174-feet. The Commission members reviewed view-shed maps and discussed the location in respect to visibility.

The Transfer Station Site tower was 199-feet. The same procedure was followed in respect to visibility.

Following an extensive discussion, a motion was made by Mr. Martin, seconded by Mr. Burke, to approve a special use permit for the Town of Suffield for three (3) proposed telecommunication sites located as designated:

1. Town of Suffield Transfer Station site on the west side of Mountain Road (Route 168), on undeveloped land west of the Transfer Station operations (Site A);
2. Town of Suffield Public Works garage/maintenance facility off of Mountain Road, on land immediately adjacent to the Maintenance Facility Building (Site B); and
3. Town of Suffield Sewage Treatment Plant on the east side of East Street (Route 159), on undeveloped land along the north side of the Treatment's Plant's access driveway (Site C).

with the following conditions:

1. The heights of the respective mono-pole towers, including antennae, shall not exceed 199-feet (Site A); 120-feet (Site B); and 174-feet (Site C);
2. Each tower shall be certified as "self-collapsing" by a Connecticut registered professional engineer;
3. Details drawings are to be submitted with each request for building permits for both the towers and related facilities;
4. FCC licenses shall be produced prior to the issuance of the permits for company leasing space on the towers;
5. The Zoning Enforcement Officer shall review each proposal for zoning conformance prior to the issuance of the building permits;
6. All utilities are to be underground;
7. Site plans are to be revised.

The motion was approved 5-0-0.

Mr. Boudreau was seated for the next item of business.

File #740A – Request of the Board of Selectmen for a report on the proposed twenty-year lease of portions of Town property known as:

1. Transfer Station;
2. Town Yard;
3. Sewer Plant.

First Selectman, Robert Skinner, sat as an ex-officio member of the Commission and answered various questions from the members regarding the lease agreement.

Following discussion, a motion was made by Mr. Burke, seconded by Mr. Reynolds, to forward a favorable report to the Board of Selectmen, as required under CGS 8-24, concerning a lease agreement between Crown Atlantic Company, LLC as Lessee and the Town of Suffield as the Lessor for sites for telecommunication towers located on Town properties as follows:

1. Town of Suffield Transfer Station site on the west side of Mountain Road (Route 168), on undeveloped land west of the Transfer Station operations (Site A);
2. Town of Suffield Public Works garage/maintenance facility off of Mountain Road, on land immediately adjacent to the Maintenance Facility Building (Site B); and
3. Town of Suffield Sewage Treatment Plant on the east side of East Street (Route 159), on undeveloped land along the north side of the Treatment's Plant's access driveway (Site C).

The motion was approved 6-0-0.

There, being no further business before the Special Meeting, a motion was made by Mr. Burke, seconded by Mr. Reynolds, to adjourn. The motion was 6-0-0. The Special Meeting was adjourned at 8:30 P.M.

Respectfully submitted,

_____
Stephen J. Martin, Secretary

WGK:SJM:bgk

Exhibit B

Property Card

848 EAST ST S

Location	848 EAST ST S	**Mblu**	69/H 55/ 78/ /
Acct#	69524	**Owner**	SUFFIELD TOWN OF
Assessment	$88,130	**Appraisal**	$125,900
PID	4244	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$0	$125,900	$125,900

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$0	$88,130	$88,130

Owner of Record

Owner	SUFFIELD TOWN OF	**Sale Price**	$75,000
Co-Owner	TOWN HALL	**Certificate**	
Address	83 MOUNTAIN RD SUFFIELD, CT 06078	**Book & Page**	200/ 182
		Sale Date	06/19/1987

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
SUFFIELD TOWN OF	$75,000		200/ 182	06/19/1987
HANZALEK ASTRID T	$0		102/ 78	07/09/1962

Building Information

Building 1 : Section 1

Year Built:	
Living Area:	0
Replacement Cost:	$0
Building Percent Good:	
Replacement Cost Less Depreciation:	$0

Building Attributes	
Field	**Description**
Style	Vacant Land
Model	
Grade:	
Stories:	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Total Xtra Fixtrs:	
Total Rooms:	
Bath Style:	
Kitchen Style:	

Building Photo

(http://images.vgsi.com/photos/SuffieldCTPhotos//default.jpg)

Building Layout

(http://images.vgsi.com/photos/SuffieldCTPhotos//Sketches/4244_4512.jpg

Building Sub-Areas (sq ft)	Legend
No Data for Building Sub-Areas	

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	903V
Description	Mun Town MDL-00
Zone	PDIP
Neighborhood	C
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	4.7
Frontage	0
Depth	0
Assessed Value	$88,130
Appraised Value	$125,900

Outbuildings

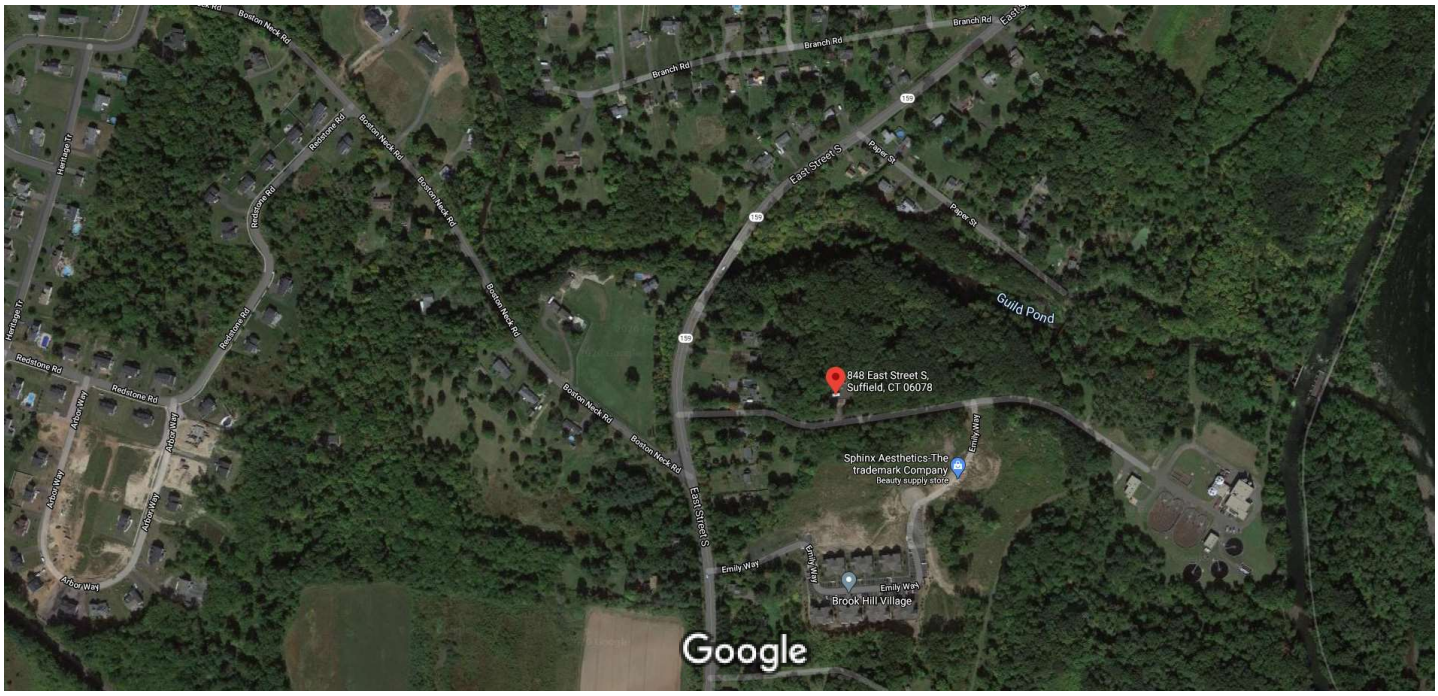
Outbuildings	Legend
No Data for Outbuildings	

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2019	$0	$125,900	$125,900
2018	$0	$125,900	$125,900
2017	$0	$129,600	$129,600

Assessment			
Valuation Year	Improvements	Land	Total
2019	$0	$88,130	$88,130
2018	$0	$88,130	$88,130
2017	$0	$90,720	$90,720

Google Maps 848 East Street S



Imagery ©2020 MassGIS, Commonwealth of Massachusetts EOEA, Maxar Technologies, U.S. Geological Survey, USDA Farm Service Agency, Map data ©2020 200 ft

848 East Street S

Suffield, CT 06078
Building

Directions Save Nearby Send to your phone Share

Photos

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 535835
VERIZON SITE NAME: SUFFIELD 4 CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 165'-6"

BUSINESS UNIT #: 801487
SITE ADDRESS: 848 EAST STREET, SUFFIELD, CT 06078
COUNTY: HARTFORD
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON 850 ADD

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	CT SUFFIELD 3 CAC 801487
SITE ADDRESS:	848 EAST STREET SUFFIELD, CT 06078
COUNTY:	HARTFORD
MAP/PARCEL #:	80 H 55 70 X
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.957000
LONGITUDE:	-72.625722
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	119'
CURRENT ZONING:	R-25
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:	CROWN ATLANTIC COMPANY LLC 4017 WASHINGTON RD. MCMURRAY, PA 15317
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 180 WASHINGTON VALLEY ROAD BEDMINSTER, NJ 07921
ELECTRIC PROVIDER:	CONNECTICUT LIGHT & POWER
TELCO PROVIDER:	T.B.D.

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S. BOULDER AVE. TULSA, OK 74119 MARVIN PHILLIPS marvin.phillips@btgrp.com
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065
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
ATTACHED	MOUNT ANALYSIS
ATTACHED	MOUNT MOD DRAWINGS

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	----
VzW LOCATION CODE (PSLC)	----

*** 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

DRIVING DIRECTIONS FROM BRADLEY INTERNATIONAL AIRPORT:
CONTINUE TO EAST GRANBY TAKE CT-20 E AND CT-159 N TO YOUR DESTINATION IN SUFFIELD CONTINUE ONTO BRADLEY INTERNATIONAL AIRPORT CON CONTINUE ONTO CT-20 E/BRADLEY INTERNATIONAL AIRPORT CON TURN RIGHT

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:	9/28/21
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	9/16/21
RFDS REVISION:	N/A
DATED:	8/28/21
ORDER ID:	588817
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 (6) ANTENNAS
- REMOVE (6) RADIOS
- RELOCATE (3) ANTENNAS
- INSTALL MOUNT MODIFICATION PER MA BY MASER CONSULTING CONNECTICUT DATED 9/16/21.
- INSTALL (3) ANTENNAS
- INSTALL (6) RADIOS

GROUND SCOPE OF WORK:
- NONE

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:
535835

BU #: **801487**
CT SUFFIELD 3 CAC 801487

848 EAST STREET
SUFFIELD, CT 06078

EXISTING 165'-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/18/21	NA	PRELIMINARY REVIEW	YXI

STATE OF CONNECTICUT
No. 23824
LICENSED
PROFESSIONAL ENGINEER
10/18/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

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.

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).

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

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:
535835

BU #: **801487**
CT SUFFIELD 3 CAC 801487

848 EAST STREET
SUFFIELD, CT 06078

EXISTING 165'-6" MONOPOLE

ISSUED FOR:

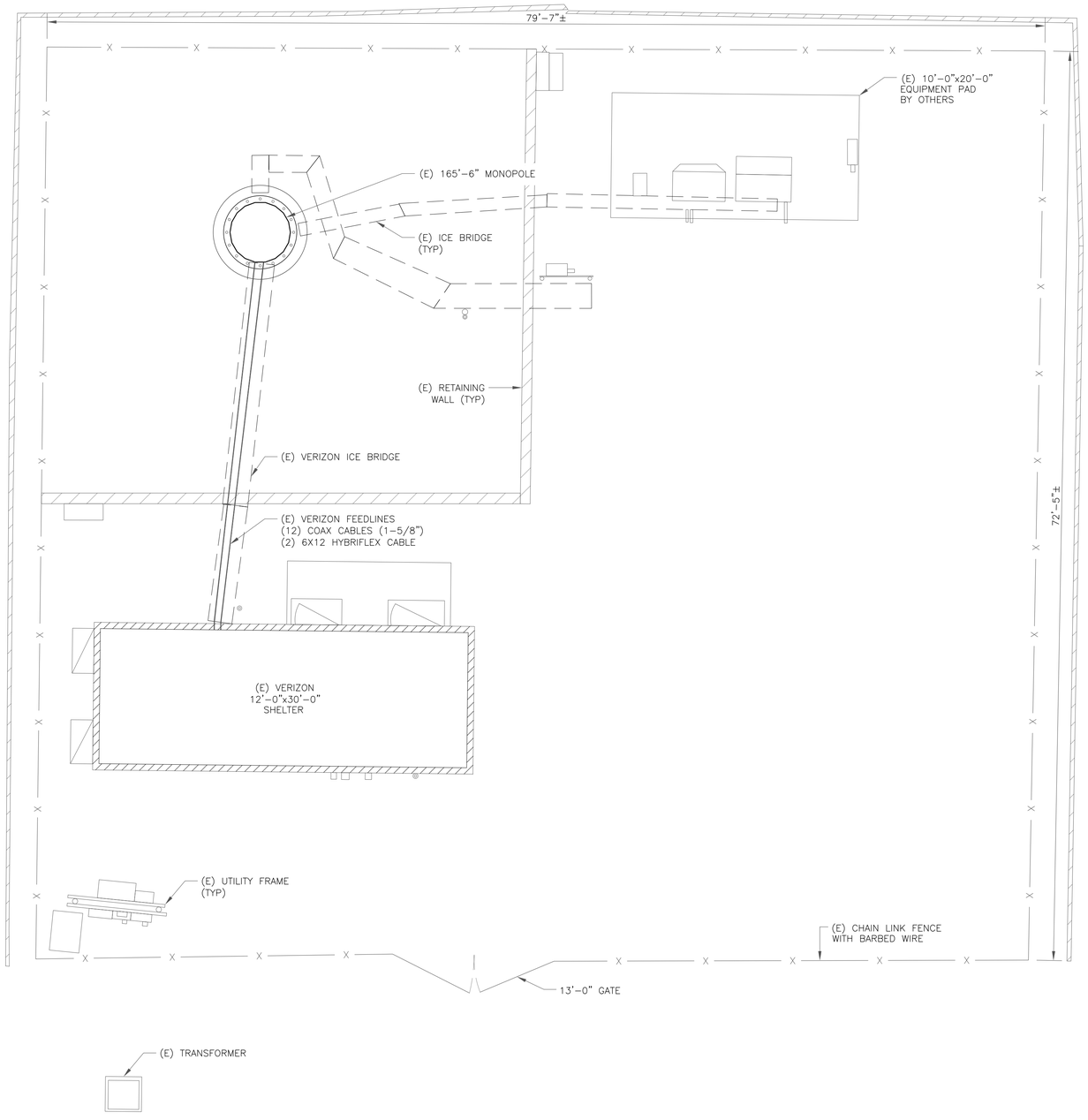
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/18/21	NA	PRELIMINARY REVIEW	YXI

No. 23924
10/18/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

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

SHEET NUMBER: T-2
REVISION: 0



1 SITE PLAN
SCALE: 4' 2' 0 4' 3/16"=1'-0" (FULL SIZE) 3/32"=1'-0" (11x17)

N

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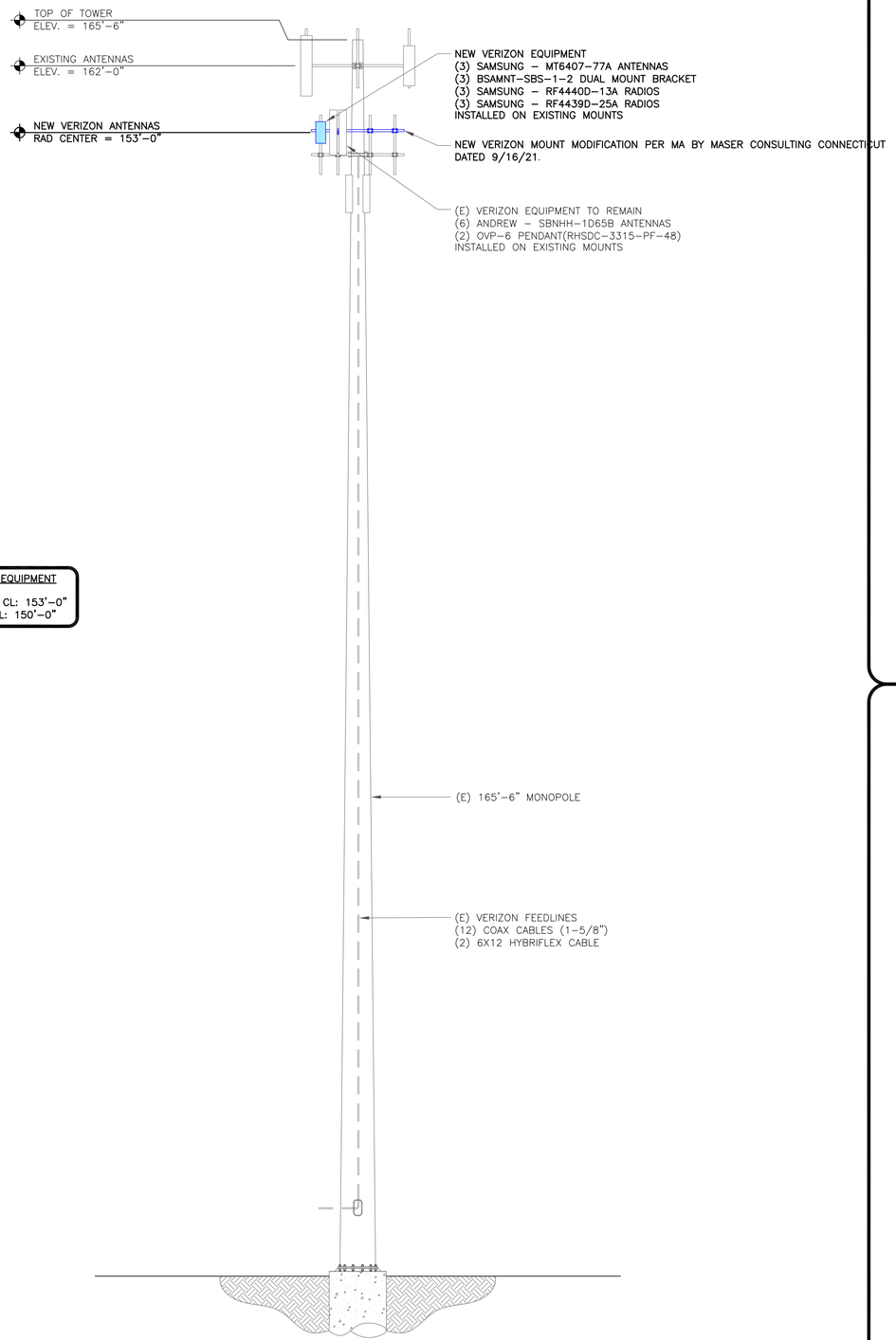
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/18/21	NA	PRELIMINARY REVIEW	YXI

STATE OF CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
10/18/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

SHEET NUMBER: C-1

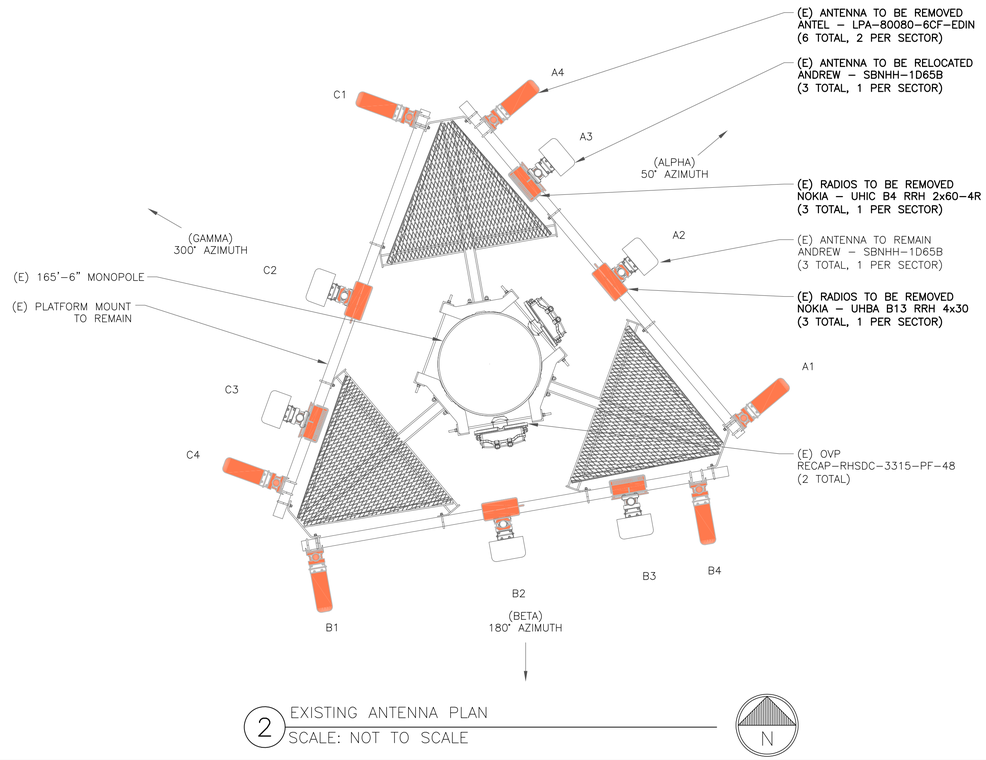
REVISION: 0



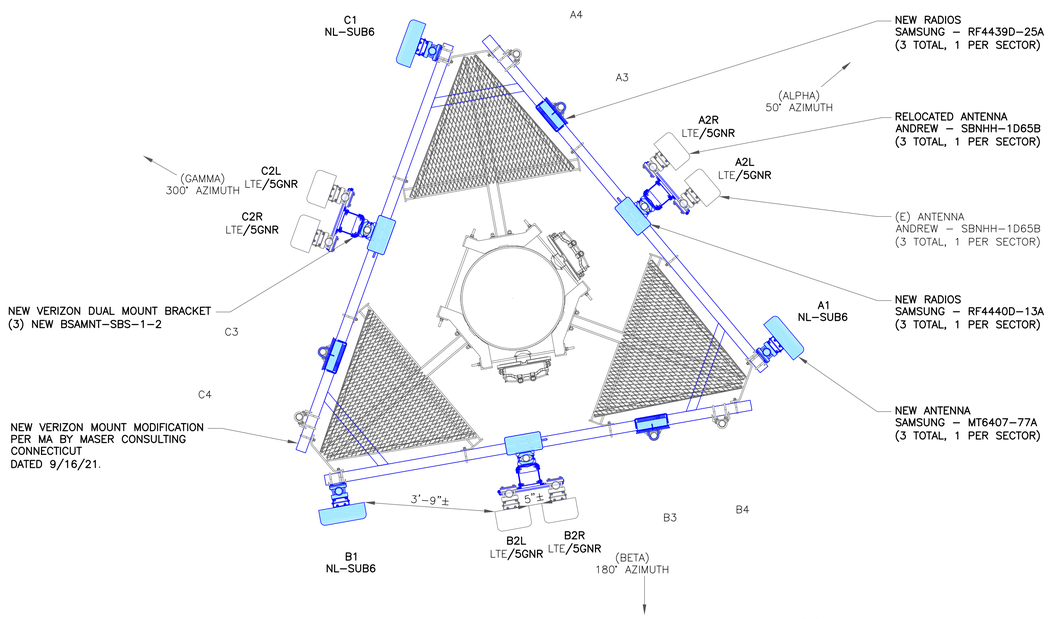
VERIZON EQUIPMENT

ANTENNA CL: 153'-0"
MOUNT CL: 150'-0"

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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EXISTING 165'-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/18/21	NA	PRELIMINARY REVIEW	YXI

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

SHEET NUMBER: C-2

REVISION: 0

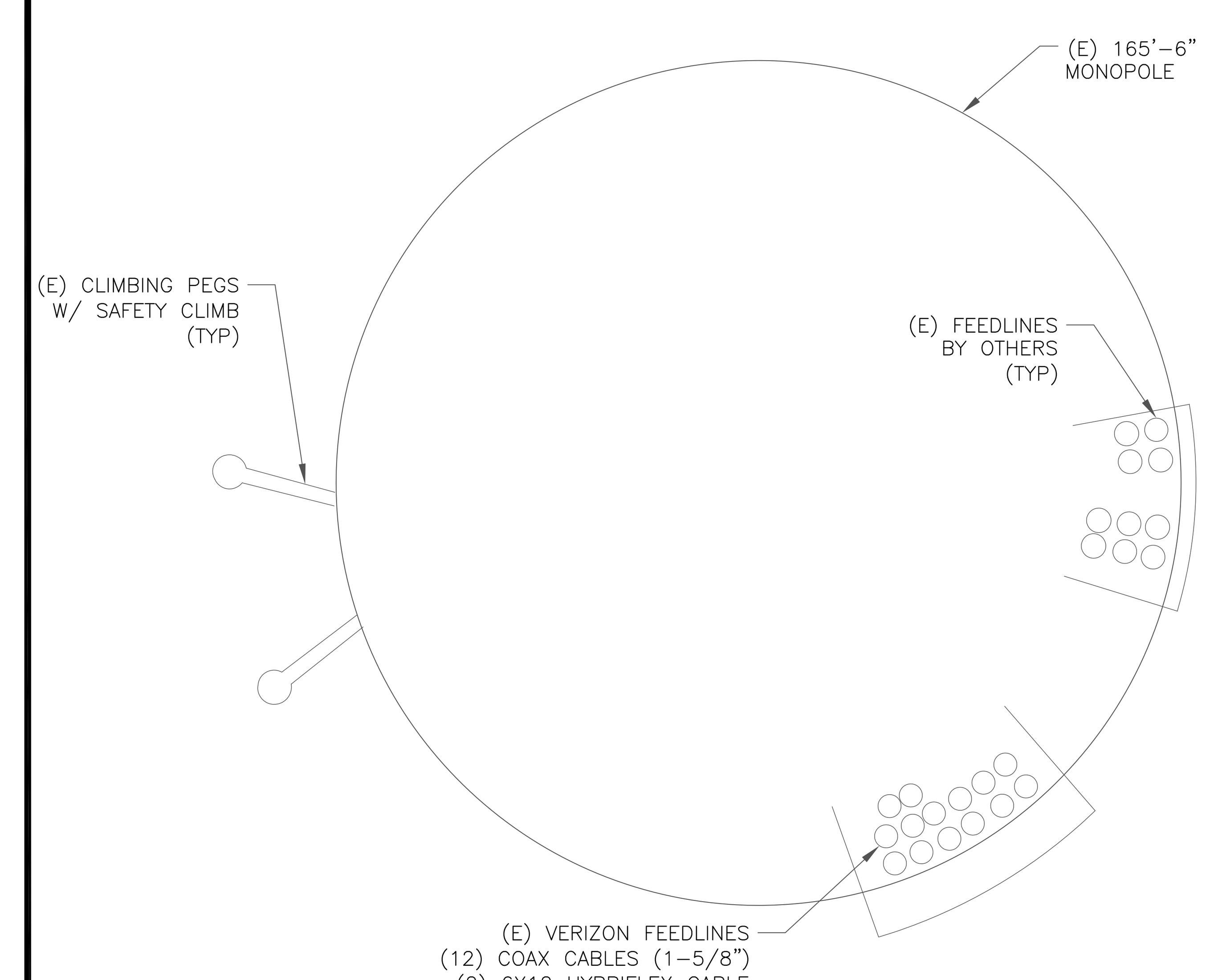
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	NEW	SAMSUNG	MT6407-77A	153'-0"	50°	0°	6°	RAYCAP	(1) RHSDC-3315-PF-48
A2L	EXISTING	ANDREW	SBNHH-1D65B	153'-0"	50°	0°	9°/9°/9°/3°/4°	SAMSUNG	(1) RF4440D-13A
A2R	EXISTING	ANDREW	SBNHH-1D65B	153'-0"	50°	0°	9°/9°/9°/3°/4°	–	–
A3	–	–	EMPTY MOUNT PIPE	–	–	–	–	SAMSUNG	(1) RF4439D-25A
A4	–	–	EMPTY MOUNT PIPE	–	–	–	–	–	–
B1	NEW	SAMSUNG	MT6407-77A	153'-0"	180°	0°	6°	RAYCAP	(1) RHSDC-3315-PF-48
B2L	EXISTING	ANDREW	SBNHH-1D65B	153'-0"	180°	0°	6°/6°/6°/3°/3°	SAMSUNG	(1) RF4440D-13A
B2R	EXISTING	ANDREW	SBNHH-1D65B	153'-0"	180°	0°	6°/6°/6°/3°/3°	–	–
B3	–	–	EMPTY MOUNT PIPE	–	–	–	–	SAMSUNG	(1) RF4439D-25A
B4	–	–	EMPTY MOUNT PIPE	–	–	–	–	–	–
C1	NEW	SAMSUNG	MT6407-77A	153'-0"	300°	0°	6°	–	–
C2L	EXISTING	ANDREW	SBNHH-1D65B	153'-0"	300°	0°	4°/4°/4°/3°/3°	SAMSUNG	(1) RF4440D-13A
C2R	EXISTING	ANDREW	SBNHH-1D65B	153'-0"	300°	0°	4°/4°/4°/3°/3°	–	–
C3	–	–	EMPTY MOUNT PIPE	–	–	–	–	SAMSUNG	(1) RF4439D-25A
C4	–	–	EMPTY MOUNT PIPE	–	–	–	–	–	–

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	203'-0"±	12
EXISTING	HYBRID	6X12"	203'-0"±	2
TOTAL CABLE QTY:				14



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
535835

BU #: **801487**
CT SUFFIELD 3 CAC 801487

848 EAST STREET
SUFFIELD, CT 06078

EXISTING 165'-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/18/21	NA	PRELIMINARY REVIEW	YXI

10/18/21

B&T ENGINEERING, INC.
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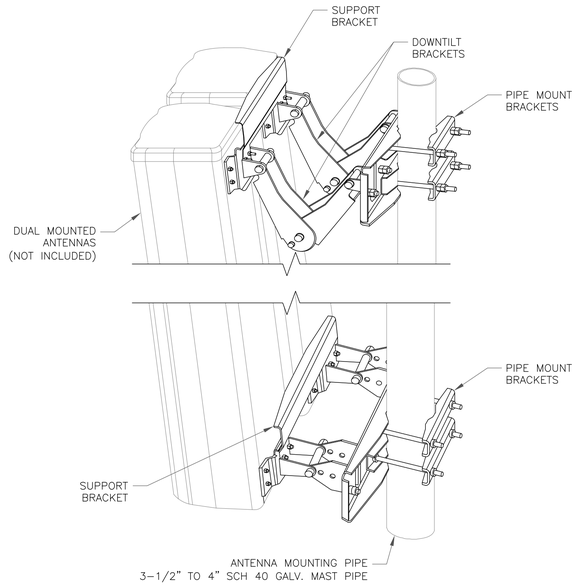
SHEET NUMBER: C-3
REVISION: 0

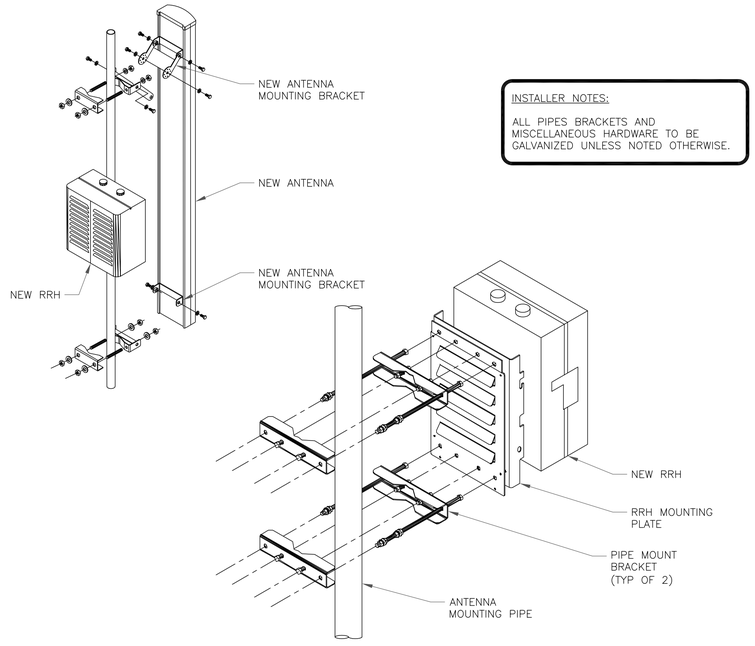
151124.004.01_CT SUFFIELD 3 CAC 801487.dwg – Sheet:C-3 – User: yxiong – Oct 18, 2021 – 8:42am



1 QUINTEL – AS-005245
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE



4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

INSTALLER NOTES:

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

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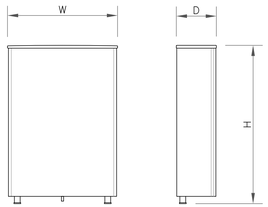
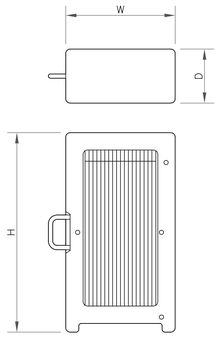
SHEET NUMBER: C-4

REVISION: 0



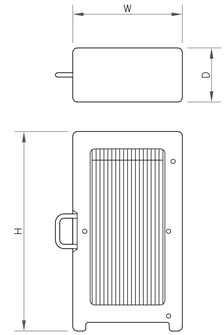
ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	MT6407-77A
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.06"
WEIGHT	81.57 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RF4439D-25A
WIDTH	14.96"
DEPTH	10.04"
HEIGHT	14.96"
WEIGHT	74.70 LBS

2 RRU SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RF4440D-13A
WIDTH	14.96"
DEPTH	9.06"
HEIGHT	14.96"
WEIGHT	72.50 LBS

3 RRU SPECS
SCALE: NOT TO SCALE

4 NOT USED
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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BU #: **801487**
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848 EAST STREET
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EXISTING 165'-6" MONOPOLE

ISSUED FOR:

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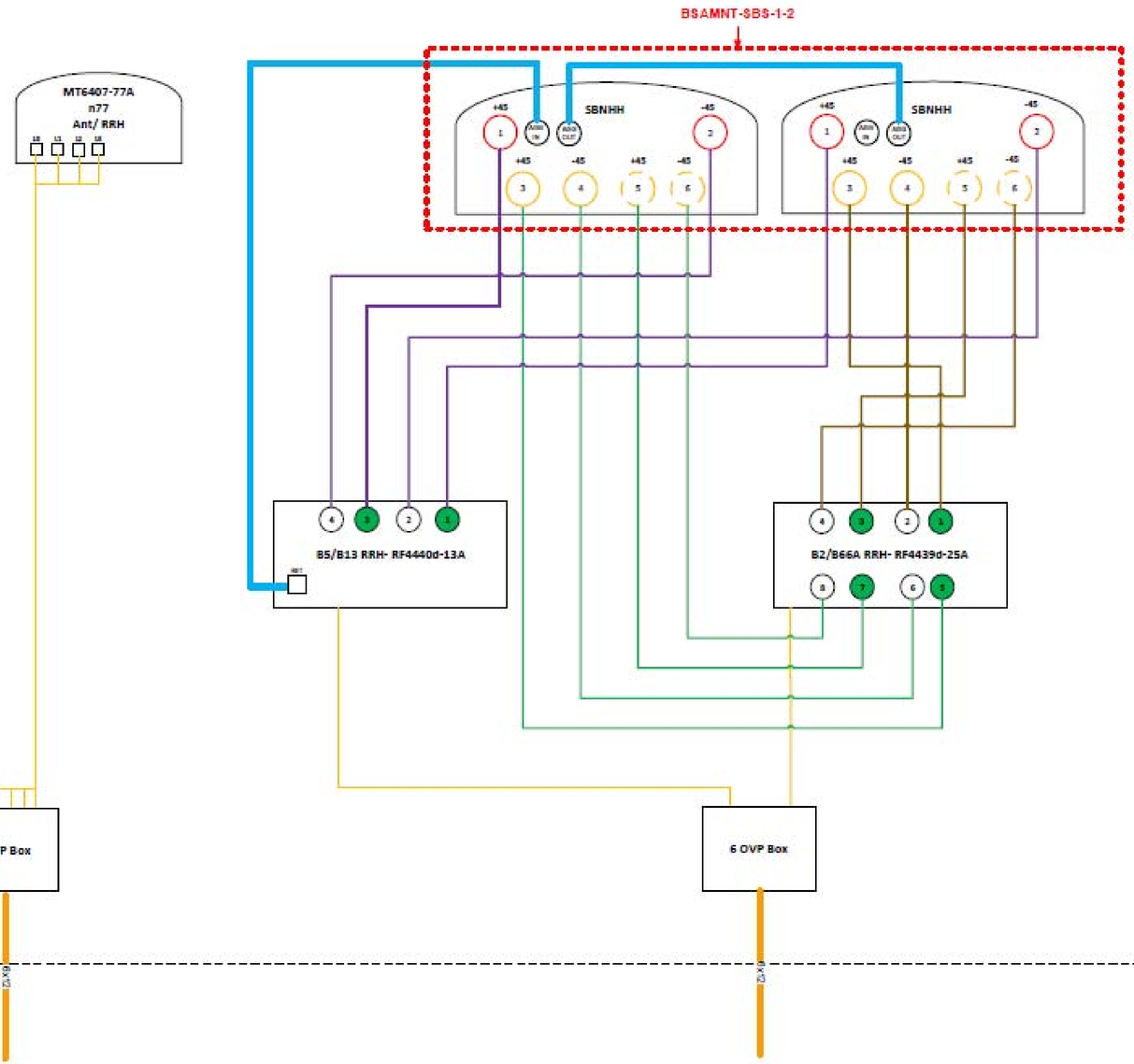
STATE OF CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
10/18/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

SHEET NUMBER: C-5

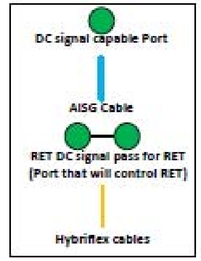
REVISION: 0



1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

- 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)

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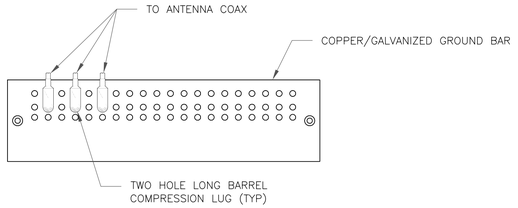
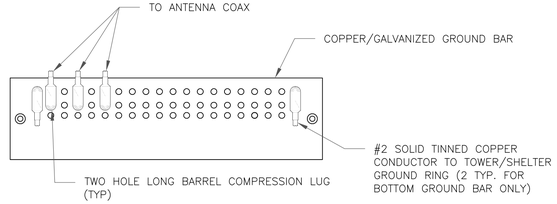
REVISION: 0



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.

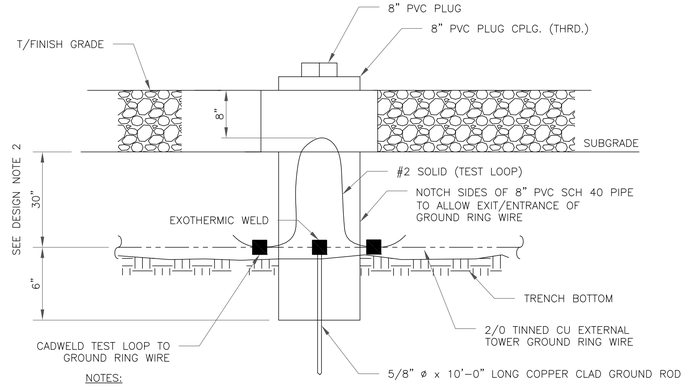
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



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.

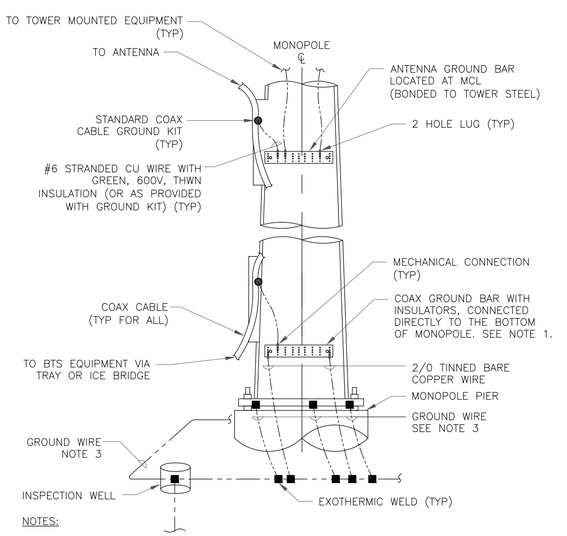
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



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)

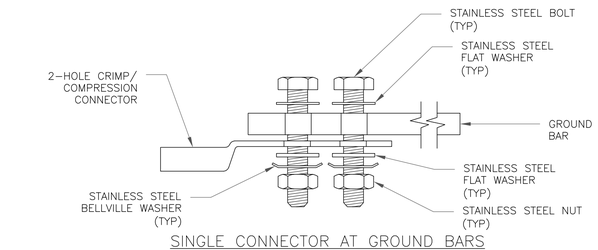
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



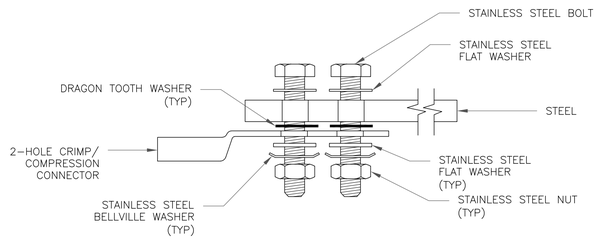
NOTES:

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.

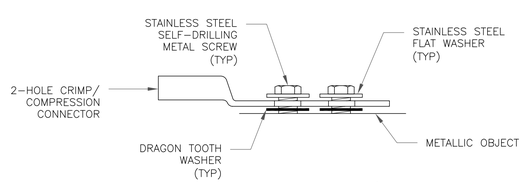
4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

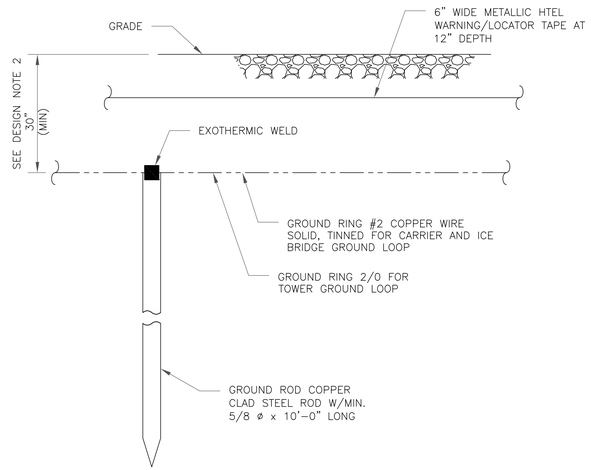


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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848 EAST STREET
SUFFIELD, CT 06078

EXISTING 165'-6" MONOPOLE

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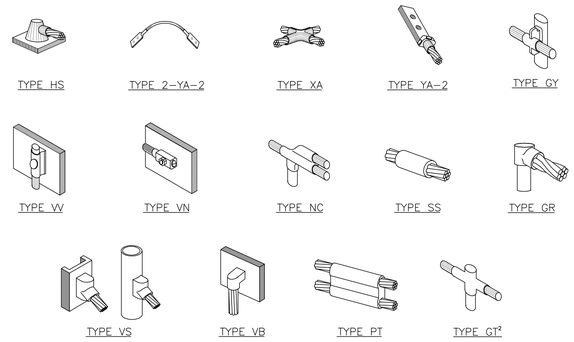
SHEET NUMBER: G-1
REVISION: 0

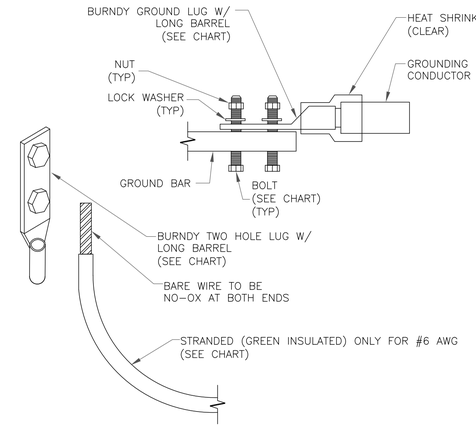


NOTE:

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

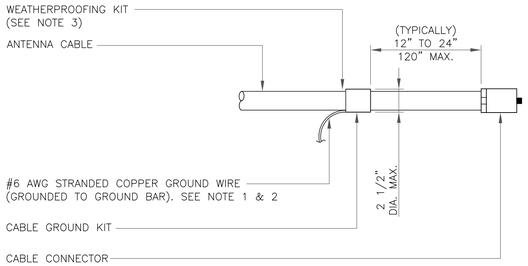
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



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.

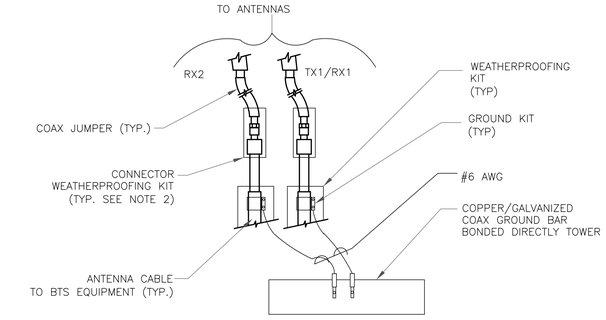
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



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

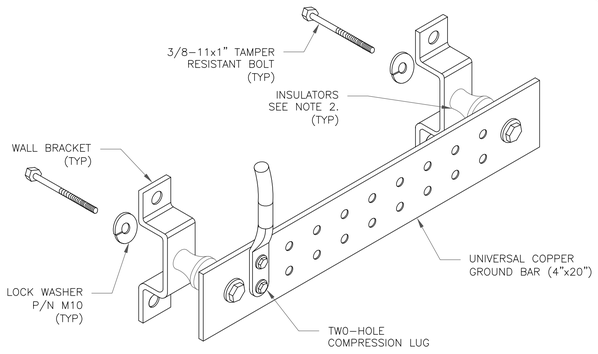


NOTES:

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

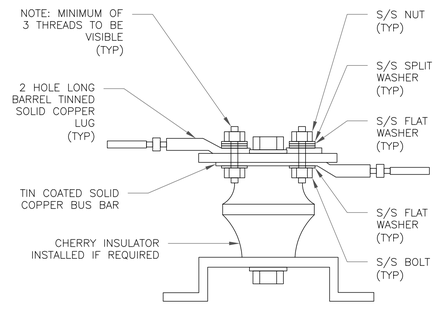
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



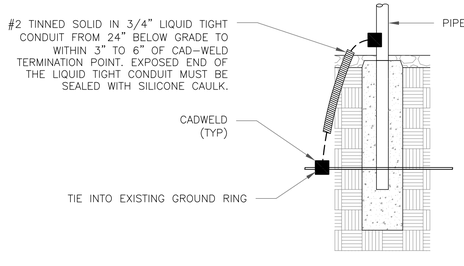
NOTES:

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

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EXISTING 165'-6" MONOPOLE

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B&T ENGINEERING, INC.
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SHEET NUMBER: G-2
REVISION: 0

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

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10102204
Maser Consulting Connecticut Project #: 21777476A

September 16, 2021

Site Information	*Site ID:*	*535835-VZW / SUFFIELD 4 CT*
	Site Name:	*SUFFIELD 4 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*848 East Street* *Suffield, Connecticut 06108* *Hartford County*
	Latitude:	*41.957000°*
	Longitude:	*-72.625722°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*11.83-Ft Platform*

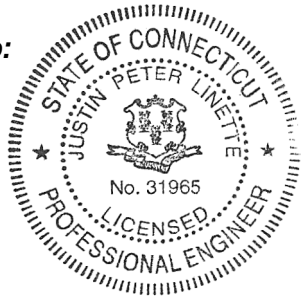
FUZE ID # 16244669

Analysis Results

Platform: **45.4% Pass**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Prasanna Dhakal



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MOUNT MODIFICATION DRAWINGS
EXISTING 11.83' PLATFORM

TOWER OWNER: CROWN CASTLE
TOWER OWNER SITE NUMBER: 801487

CARRIER SITE NAME: SUFFIELD 4 CT
CARRIER SITE NUMBER: 535835

FUZE ID: 16244669
848 EAST STREET
SUFFIELD, CONNECTICUT 06108
HARTFORD COUNTY

LATITUDE: 41.957000° N
LONGITUDE: 72.625722° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 116 MPH
EXPOSURE CATEGORY B
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 115.47'

ICE LOADS

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

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_s = .174
LONG TERM MCER GROUND MOTION, S_1 = .055

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

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

PROJECT MANAGER

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

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10102204
VZW LOCATION CODE (PSLC): 535835
ANALYSIS DATE: 9/16/2021

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

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

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JOB NUMBER: 21777476A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	9/16/2021	ISSUED FOR CONSTRUCTION	JW	JPL

STATE OF CONNECTICUT — 31965 — LICENSED PROFESSIONAL ENGINEER
Digitally signed by Justin Pelle
Date: 2021.09.16 15:23:0

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SITE NAME:
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535835
848 EAST STREET
SUFFIELD, CONNECTICUT 06108
HARTFORD COUNTY

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

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1	504	504

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
					TOTAL:	504

VZWSMART KITS - APPROVED VENDORS

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

NOTES:

1. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.

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

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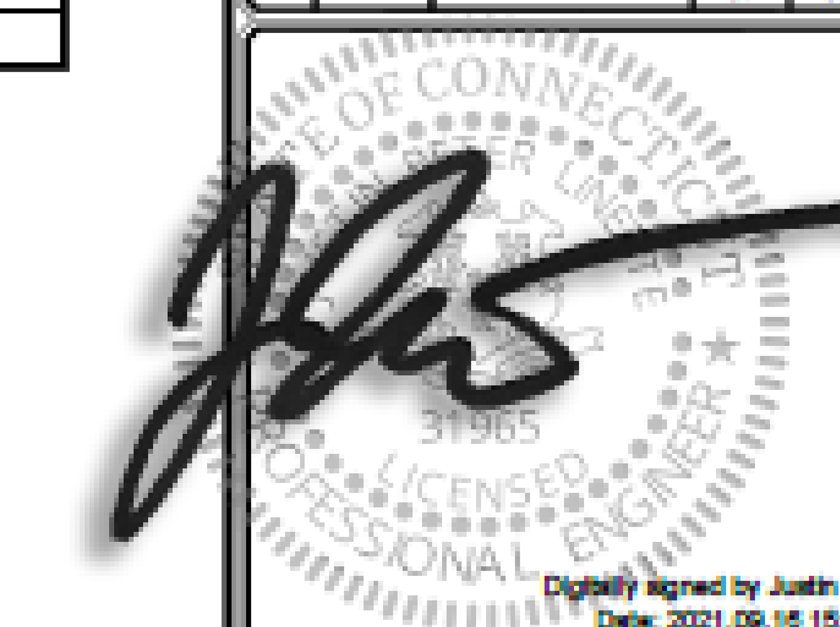

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535835
848 EAST STREET
SUFFIELD, CONNECTICUT 06108
HARTFORD COUNTY

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: SBOM-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

PROJECT NOTES

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

GENERAL NOTES

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

STRUCTURAL STEEL

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

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

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

WELDING NOTES

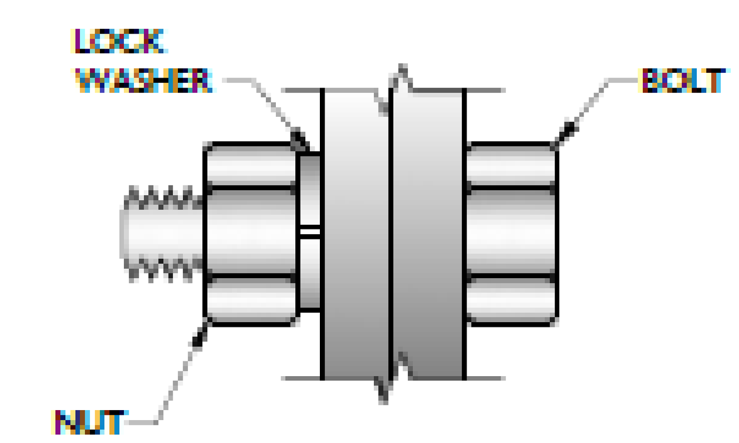
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING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

BOLT SCHEDULE (IN.)

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

WORKABLE GAGES (IN.)

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



TYP. BOLT ASSEMBLY

NOTES:

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

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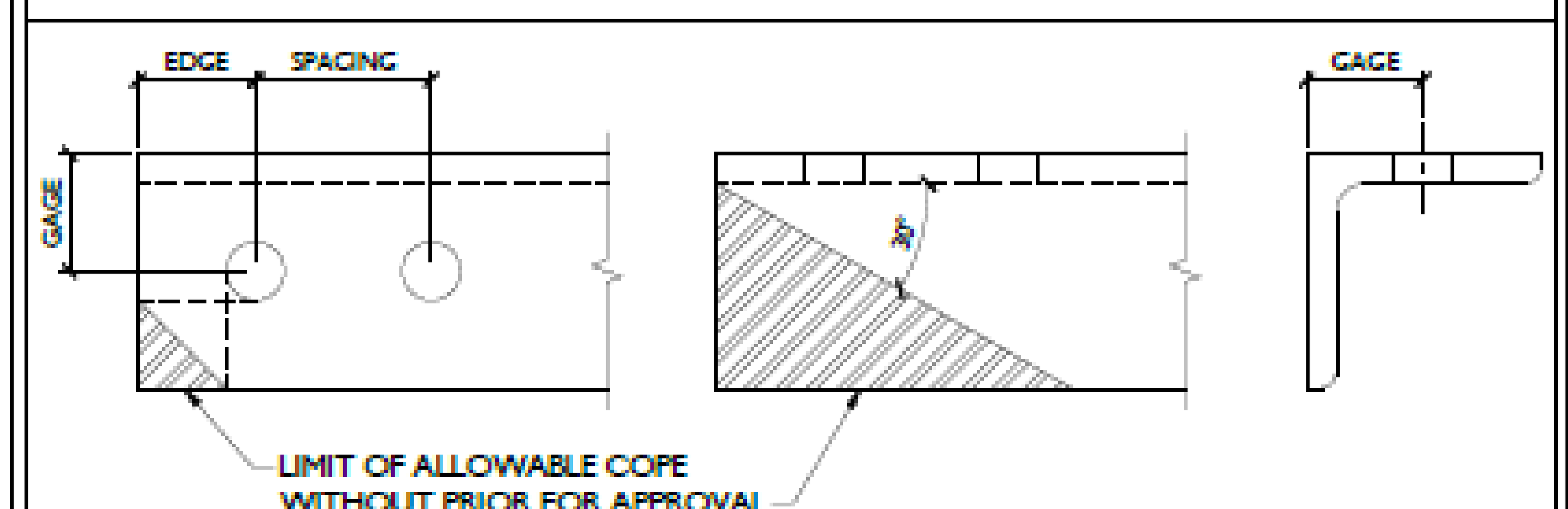

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Digitally signed by Justin Petel, L
Date: 2021.09.16 15:23

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SITE NAME:

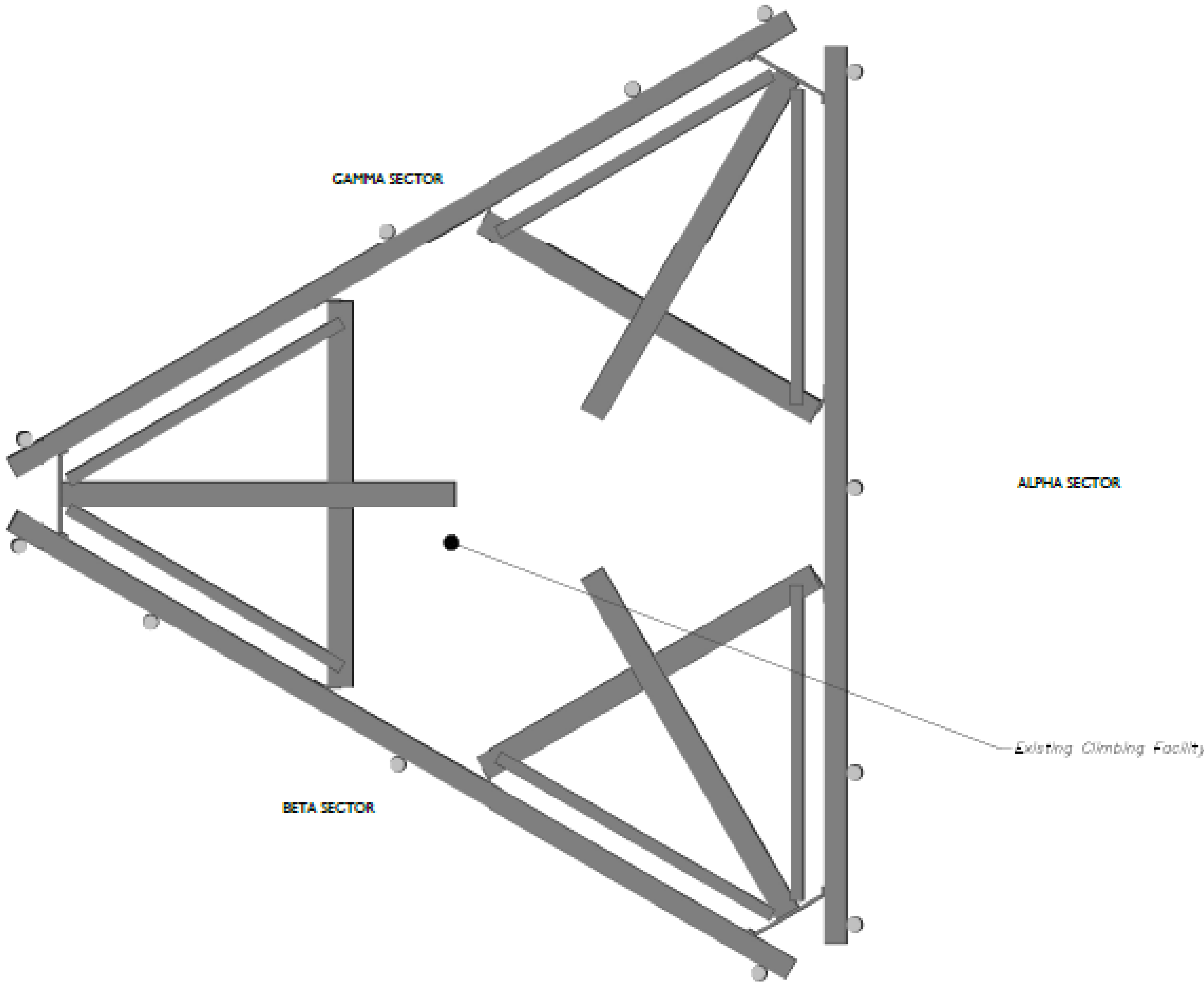
SUFFIELD 4 CT
535835
848 EAST STREET
SUFFIELD, CONNECTICUT 06108
HARTFORD COUNTY

MT. LAUREL OFFICE

SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



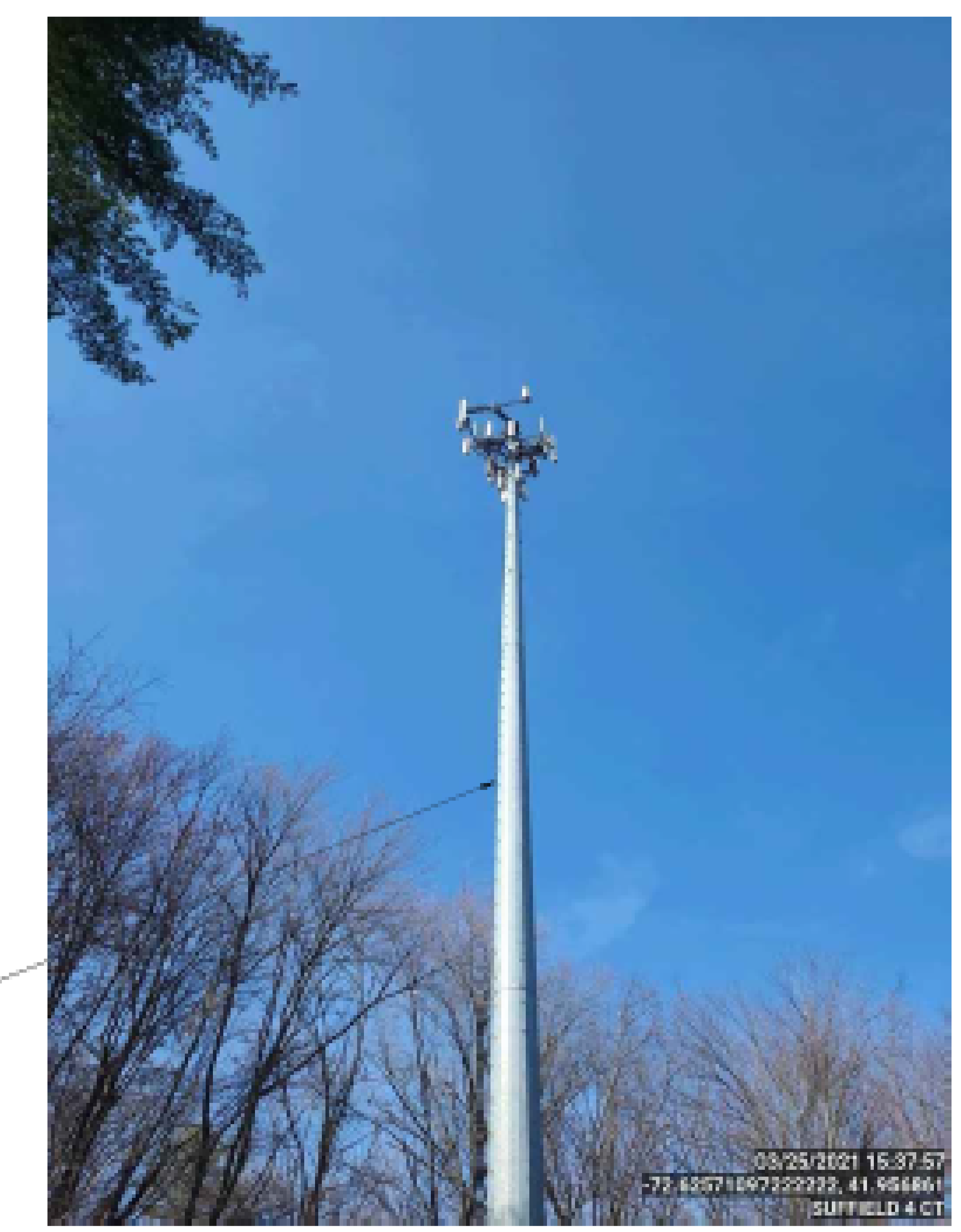
1 CLIMBING FACILITY LOCATION

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY ROAMING NETWORKS INC. ON 3/26/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (151'-3") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

Existing Climbing Facility



CLIMBING FACILITY PHOTO

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HARTFORD COUNTY

MT. LAUREL OFFICE

SHEET TITLE: CLIMBING FACILITY DETAIL

SHEET NUMBER: SCF-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

LEGEND:

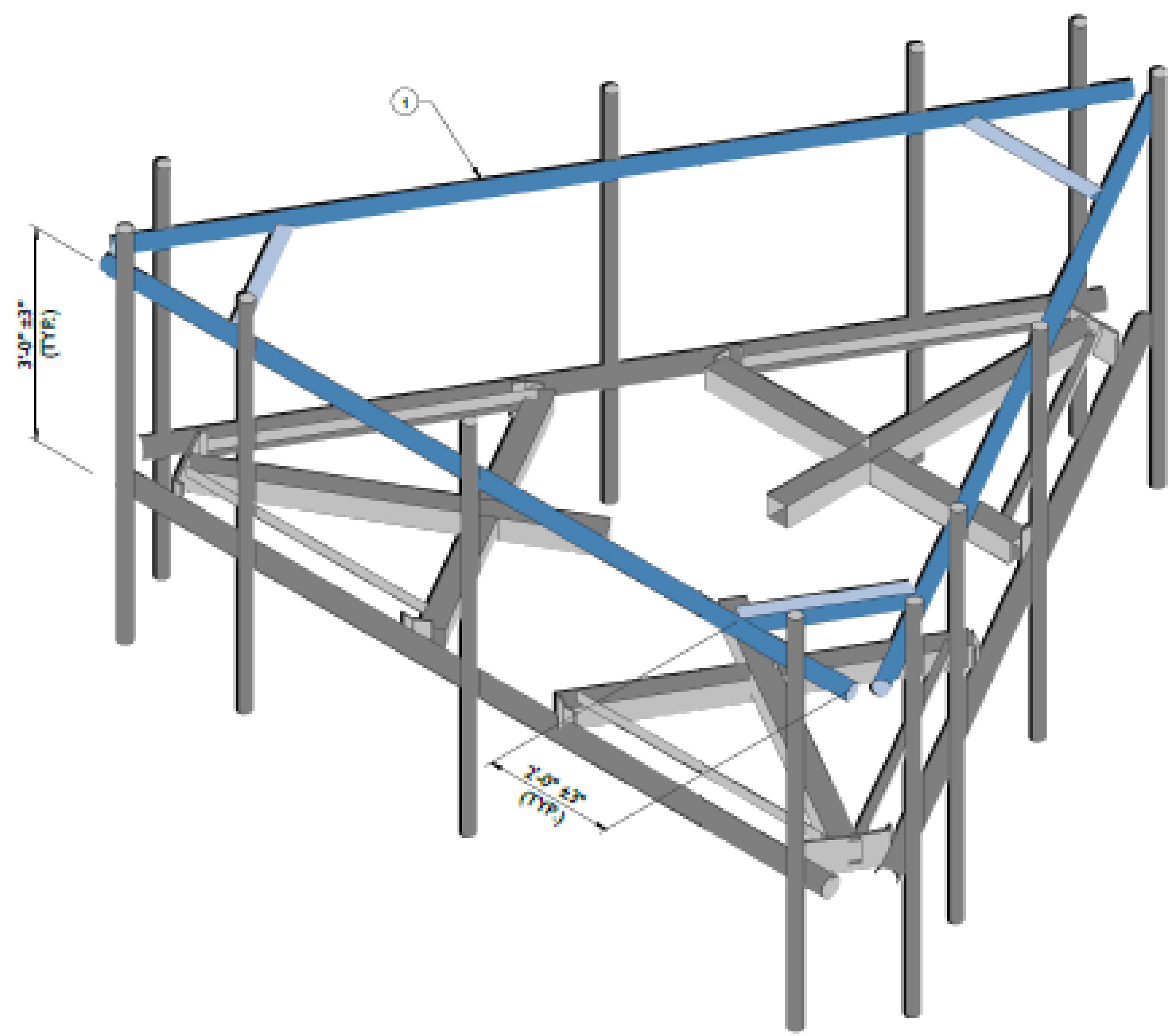
(blue)	PROPOSED
(teal)	RELOCATED
(grey)	EXISTING

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	151'-3"	1	PROPOSED SUPPORT RAIL KIT (PART #: VZWSMART-PLK1)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.

NOTES:

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



1 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.

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SCALE:	JOB NUMBER:
AS SHOWN	21777476A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	9/16/2021	ISSUED FOR CONSTRUCTION	JPP	JPL

STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER 31965

Digitally signed by Justin Pelle... Date: 2021.09.16 15:23...

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SITE NAME:

SUFFIELD 4 CT
535835
848 EAST STREET
SUFFIELD, CONNECTICUT 06108
HARTFORD COUNTY

MT. LAUREL OFFICE

SHEET TITLE:

MODIFICATION DETAILS

SHEET NUMBER:

SS-1

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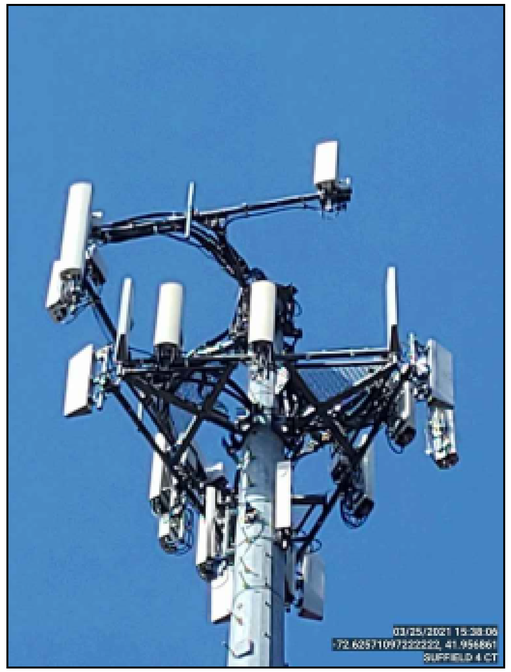
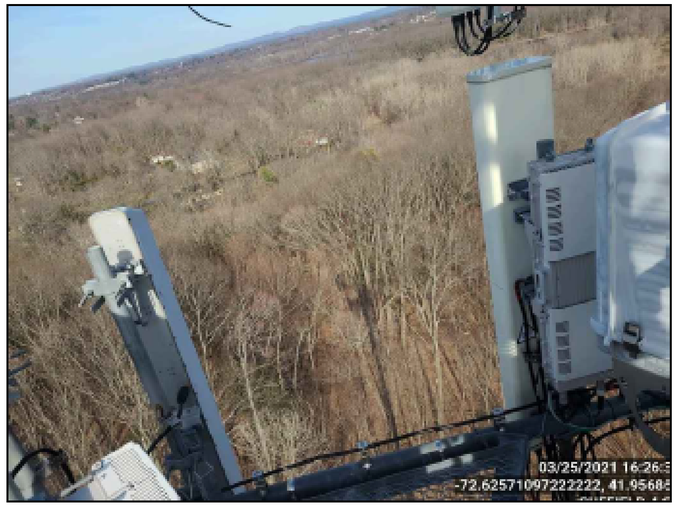
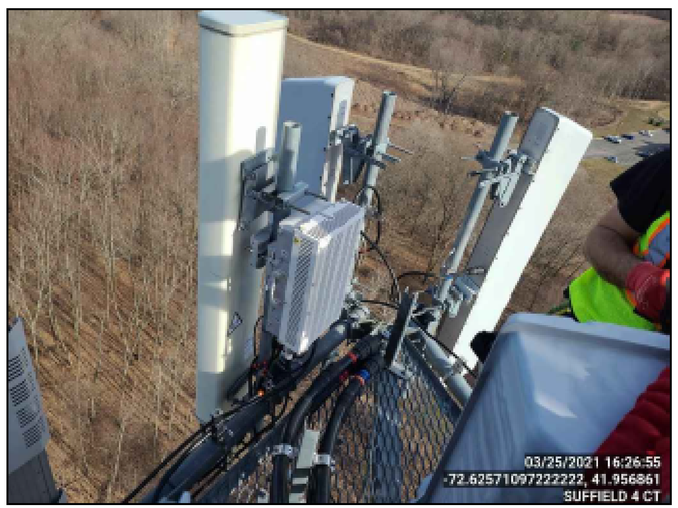


MOUNT PHOTO 1



MOUNT PHOTO 2

MOUNT PHOTO 3



MOUNT PHOTO 4

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SCALE: AS SHOWN
JOB NUMBER: 21777476A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	9/16/2021	ISSUED FOR CONSTRUCTION	JRP	JPL

STATE OF CONNECTICUT
JUSTIN R. PELLE
31965
LICENSED PROFESSIONAL ENGINEER
Digitally signed by Justin Pelle
Date: 2021.09.16 15:23:14

SITE NAME:

SUFFIELD 4 CT
535835
848 EAST STREET
SUFFIELD, CONNECTICUT 06108
HARTFORD COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0413
Fax: 856.722.1130

SHEET TITLE: MOUNT PHOTOS

SHEET NUMBER: SS-2

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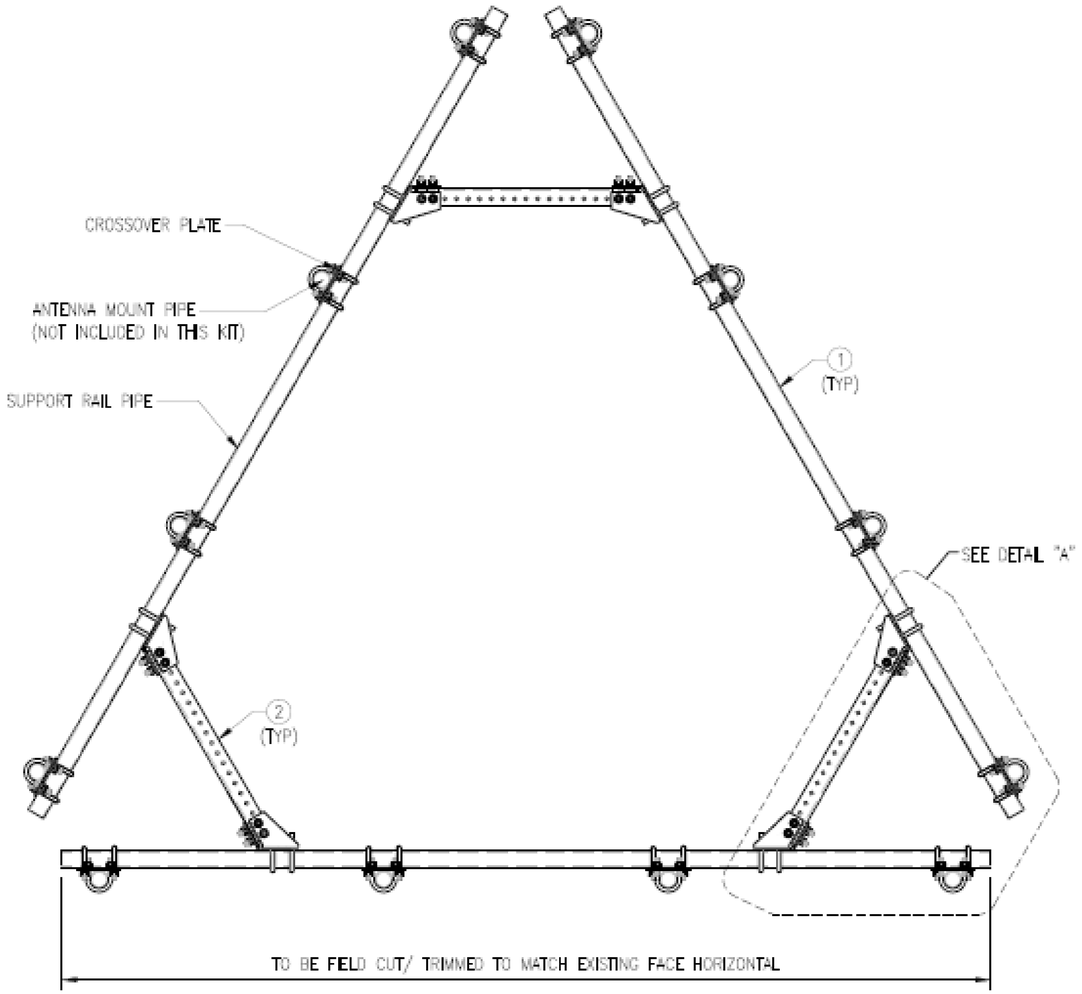
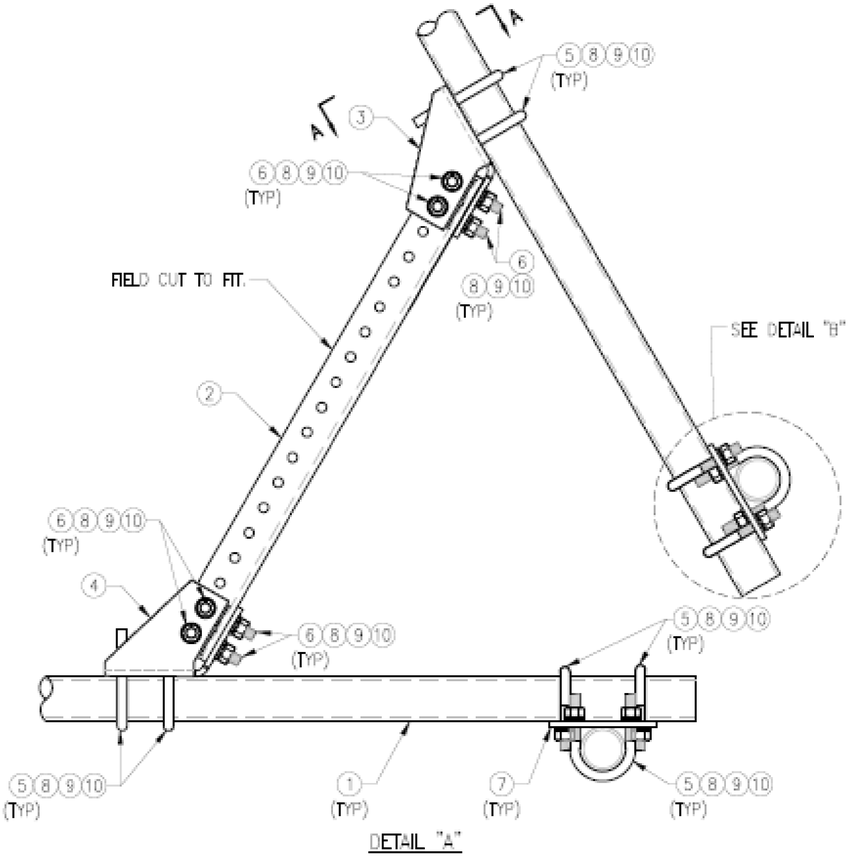
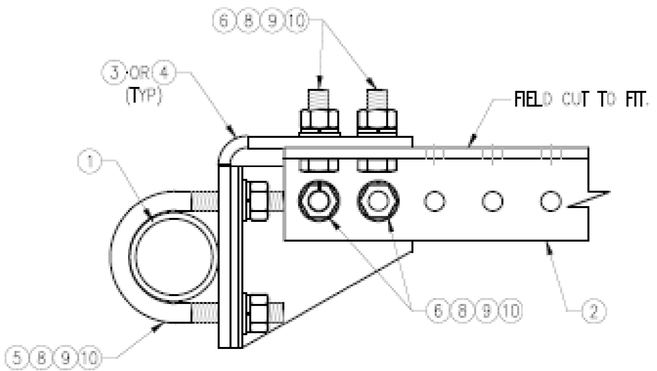


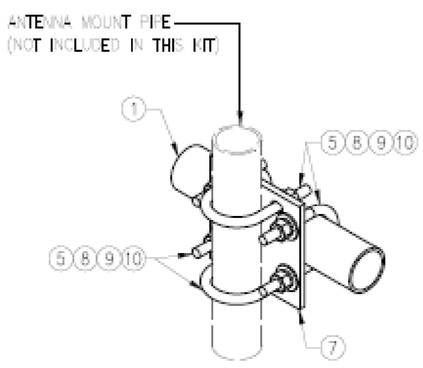
PLAN VIEW



DETAIL "A"



SECTION "A-A"



DETAIL "B"

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

VZW SMART-PLK1 (SUPPORT RAIL KIT)

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

VzW
SMART Tool©
Vendor

verizon

DRAWN BY: HR	CHECKED BY: HMA
REV. DESCRIPTION BY DATE	
0 FIRST ISSUE HR 05/08/20	

SHEET TITLE:

VZWSMART-PLK1
SUPPORT RAIL KIT

SHEET NUMBER:	REV. #
VZWSMART-PLK1	0

Exhibit D

Structural Analysis Report

Date: **September 28, 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:	535835
	Site Name:	SUFFIELD 4 CT
Crown Castle Designation:	**BU Number:**	801487
	Site Name:	CT SUFFIELD 3 CAC 801487
	JDE Job Number:	688535
	Work Order Number:	2026043
	Order Number:	588817 Rev. 0
Engineering Firm Designation:	**B+T Group Project Number:**	151124.003.01
Site Data:	**848 East Street, Suffield, Hartford County, CT**	
	Latitude *41° 57' 25.2"*, Longitude *-72° 37' 32.6"*	
	165.5 Foot - Monopole Tower	

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

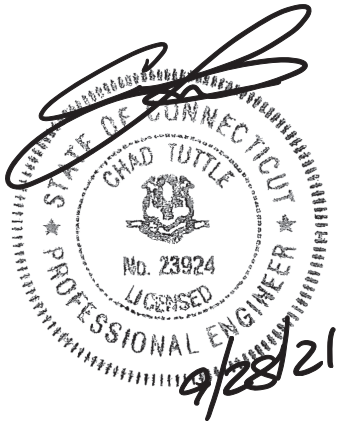
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity**

This analysis utilizes an ultimate 3-second gust wind speed of 116mph as required by the 2012/2015 International Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Massood Sattari, EIT

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



Chad E. Tuttle, P.E.

tnxTower Report - version 8.1.1.0

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 165.5 ft Monopole tower designed by FWT INC. on May of 2000.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	116 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)
150.0	153.0	6	Commscope	SBNHH-1D65B	14	1-5/8
		2	Raycap	RHSDC-3315-PF-48		
		3	Samsung Telecomm.	MT6407-77A		
		3	Samsung Telecomm.	RF4439D-25A		
		3	Samsung Telecomm.	RF4440D-13A		
	150.0	1	BSAMNT	SBS-1-2		
		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)
162.0	163.0	3	Commscope	SDX1926Q-43	10	1-5/8
		3	Ericsson	AIR 32 B2A B66AA_T-MOBILE		
		3	Ericsson	AIR6449 B41_T-MOBILE		
		3	Ericsson	RADIO 4415 B66A_CCIV2		
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
	162.0	1	--	Sector Mount [SM 308-3]		
	161.0	3	Ericsson	KRY 112 144/1		
	160.0	3	Rfs Celwave	APXVAALL24_43-U-NA20_TMO		
126.0	126.0	3	Fujitsu	TA08025-B604	1	1-1/2
		3	Fujitsu	TA08025-B605		
		3	Jma Wireless	MX08FRO665-21		
		1	Raycap	RDIDC-9181-PF-48		
		1	Commscope	MC-PK8-DSH		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	961597	CCI Sites
Foundation Drawing	1118795	CCI Sites
Geotech Report	2373668	CCI Sites
Crown Cad Package	Date: 09/01/2021	CCI Sites

3.1) Analysis Method

tnxTower (version 8.1.1.0), 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	165.5 - 136.83	Pole	TP24.279x17x0.188	1	-7.265	851.257	31.0	Pass
L2	136.83 - 95.5	Pole	TP34.4x23.099x0.313	2	-16.213	2007.190	38.6	Pass
L3	95.5 - 47	Pole	TP46.06x32.632x0.375	3	-27.543	3228.939	41.4	Pass
L4	47 - 0	Pole	TP57.275x43.79x0.375	4	-43.856	4160.026	49.6	Pass
							Summary	
						Pole (L4)	49.6	Pass
						Rating =	49.6	Pass

Table 5 - Tower Component Stresses vs. Capacity LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	Base	46.1	Pass
1,2	Base Plate	Base	21.7	Pass
1,2	Base Foundation (Structure)	Base	49.0	Pass
1,2	Base Foundation (Soil Interaction)	Base	27.3	Pass

Structure Rating (max from all components) =	49.6%

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.

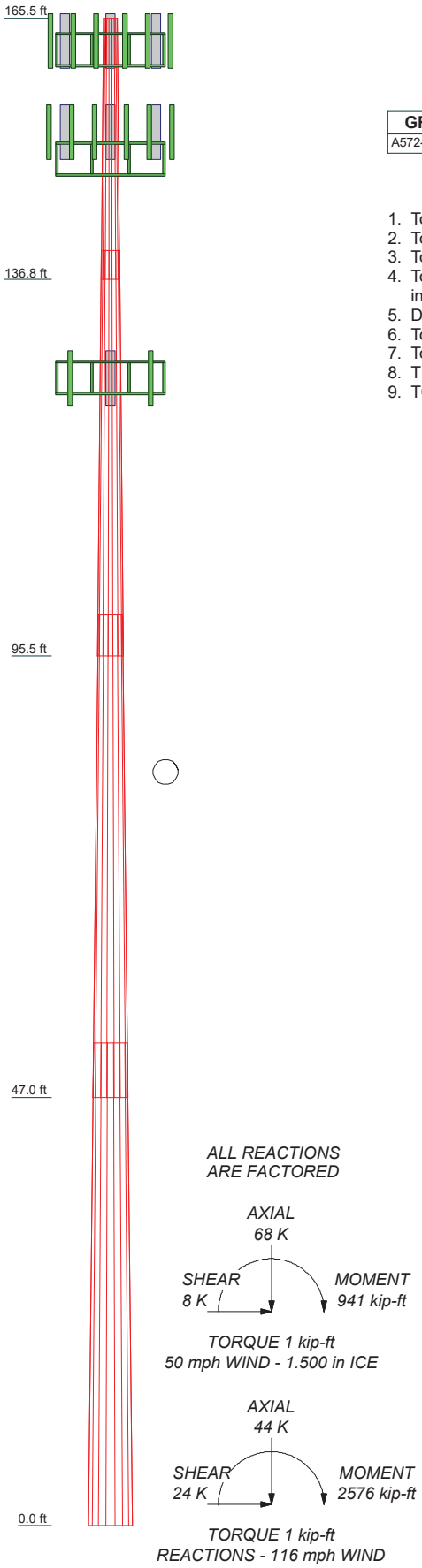
4.1) Recommendations

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	28.670	18	0.188	3.170	17.000	24.279		1.2
2	44.500	18	0.313	4.500	23.099	34.400		4.3
3	53.000	18	0.375	6.000	32.632	46.060	A572-65	8.4
4	53.000	18	0.375		43.790	57.275		10.8
								24.6



ALL REACTIONS ARE FACTORED

AXIAL 68 K

SHEAR 8 K

MOMENT 941 kip-ft

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

AXIAL 44 K

SHEAR 24 K

MOMENT 2576 kip-ft

TORQUE 1 kip-ft
REACTIONS - 116 mph WIND

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 116 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: 49.6%

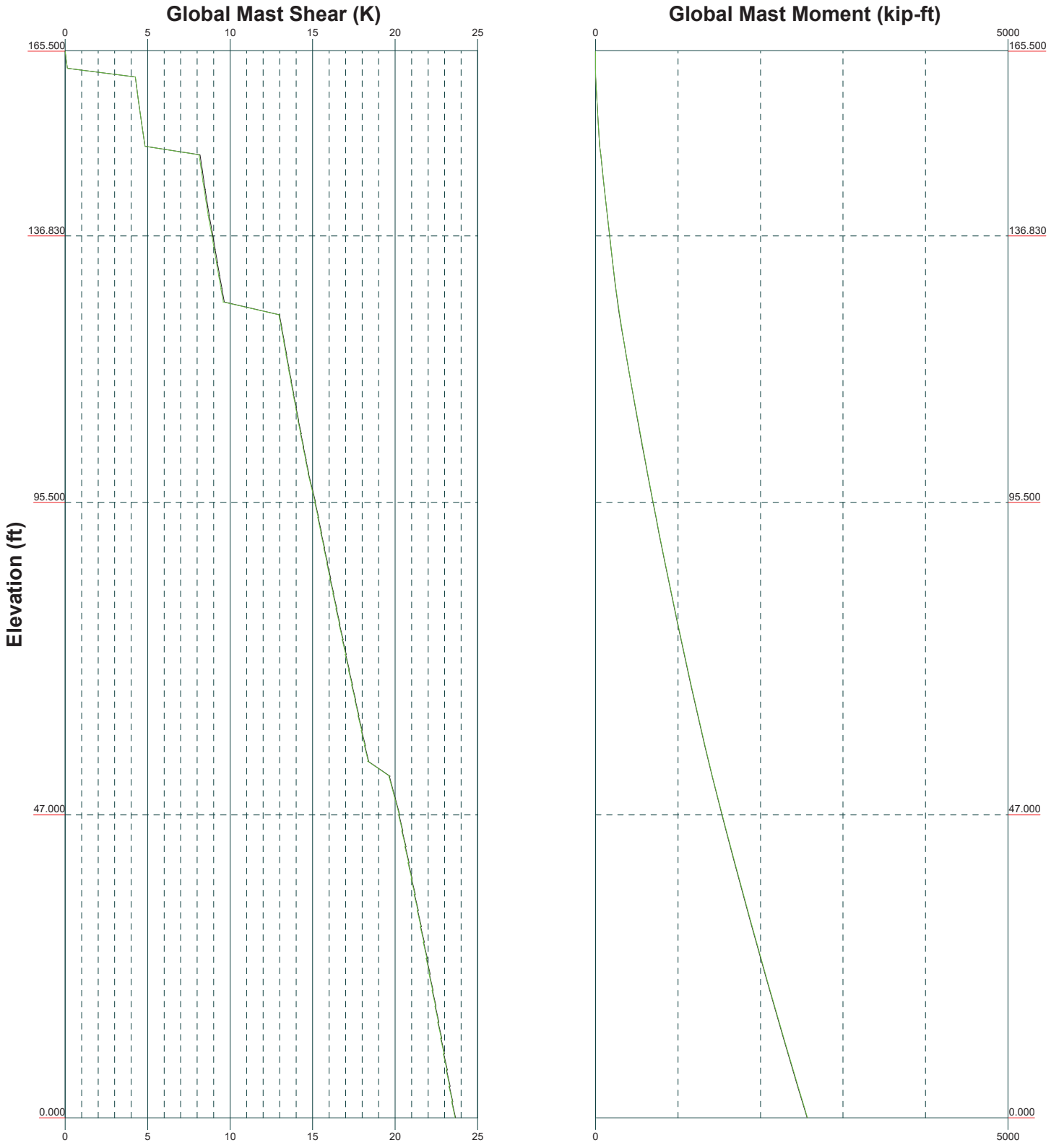
B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: 151124.003.01 - Ct Suffield 3 Cac 801487, CT (BU# 80148		
Project:		
Client: Crown Castle	Drawn by: S Shetty	App'd:
Code: TIA-222-H	Date: 09/28/21	Scale: NTS
Path:		Dwg No. E-1

TIA-222-H - 116 mph/50 mph 1.500 in Ice Exposure C

Maximum Values

Vx Vz Mx Mz



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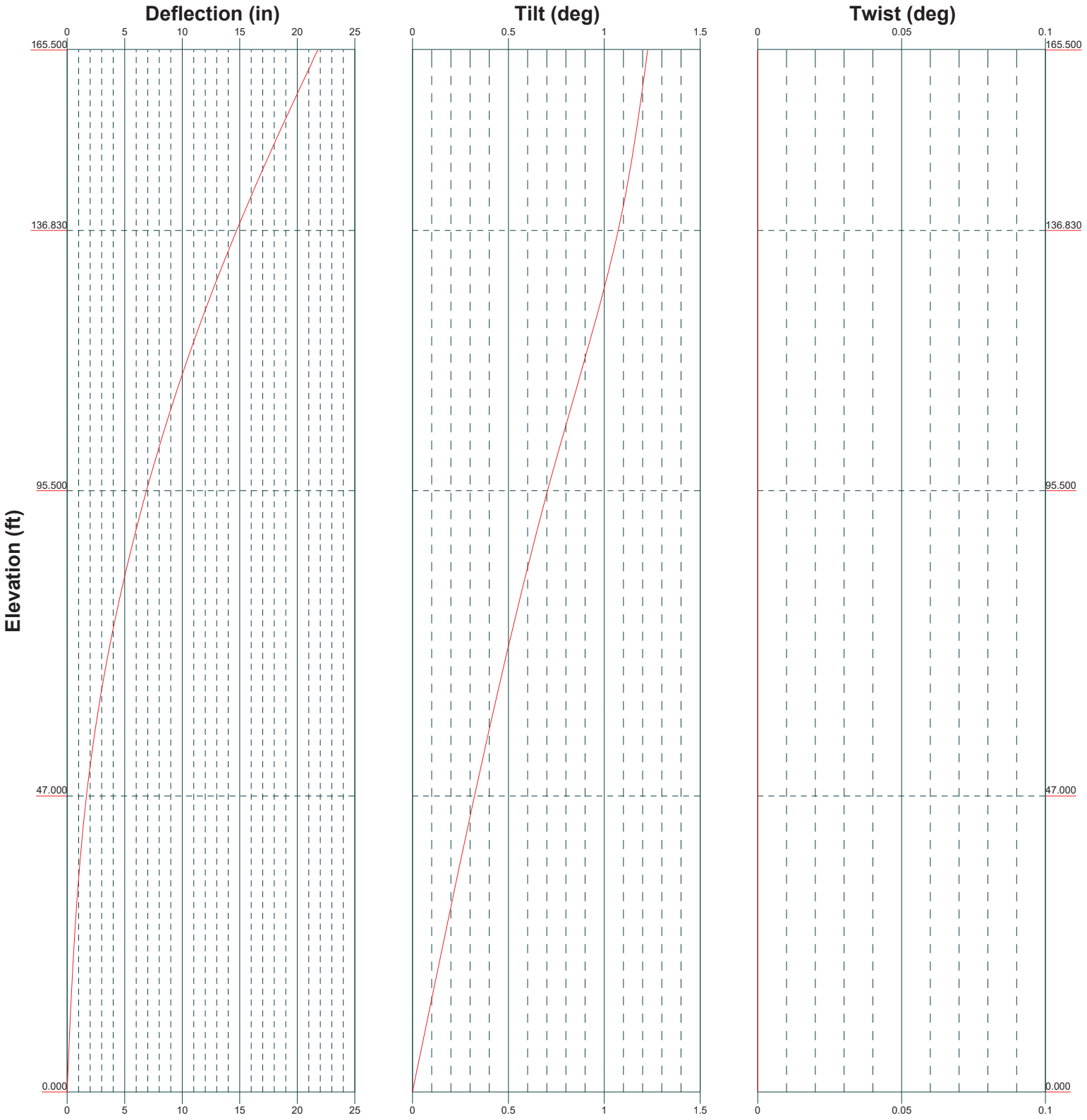
Project:			
Client: Crown Castle	Drawn by: S Shetty	App'd:	
Code: TIA-222-H	Date: 09/28/21	Scale: NTS	
Path:		Dwg No. E-4	

TIA-222-H - Service - 60 mph

Maximum Values



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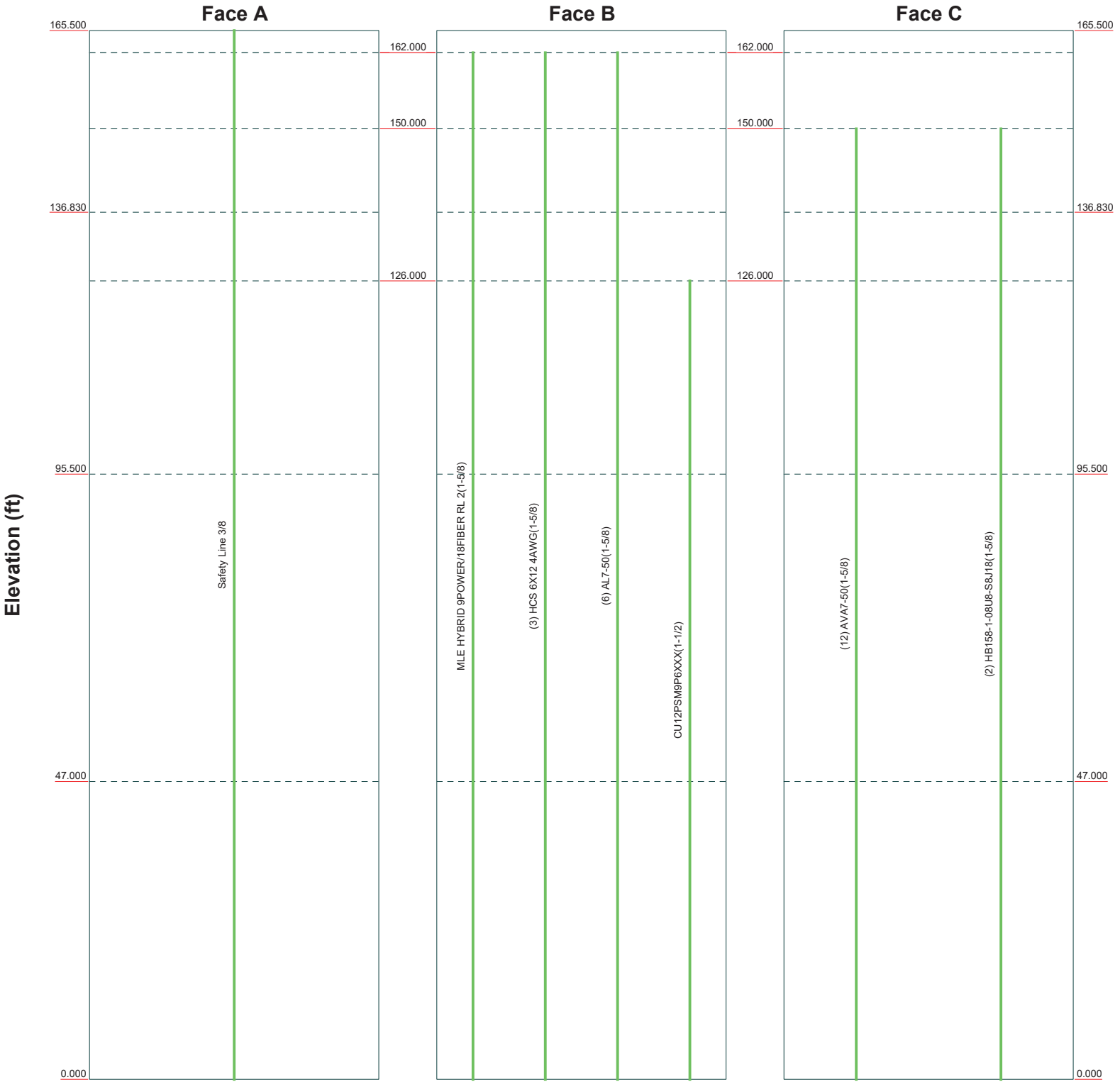
Project:		
Client: Crown Castle	Drawn by: S Shetty	App'd:
Code: TIA-222-H	Date: 09/28/21	Scale: NTS
Path:		Dwg No. E-5

Feed Line Distribution Chart
0' - 165'6"

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



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Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: 151124.003.01 - Ct Suffield 3 Cac 801487, CT (BU# 80148		
Project:		
Client: Crown Castle	Drawn by: S Shetty	App'd:
Code: TIA-222-H	Date: 09/28/21	Scale: NTS
Path:		Dwg No. E-7

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 Hartford County, Connecticut.
Tower base elevation above sea level: 115.000 ft.
Basic wind speed of 116 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	165.500-136.830	28.670	3.170	18	17.000	24.279	0.188	0.750	A572-65 (65 ksi)
L2	136.830-95.500	44.500	4.500	18	23.099	34.400	0.313	1.250	A572-65 (65 ksi)
L3	95.500-47.000	53.000	6.000	18	32.632	46.060	0.375	1.500	A572-65 (65 ksi)
L4	47.000-0.000	53.000		18	43.790	57.275	0.375	1.500	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	17.233	10.006	357.308	5.968	8.636	41.374	715.086	5.004	2.662	14.197
	24.625	14.337	1051.325	8.552	12.334	85.240	2104.034	7.170	3.943	21.03
L2	24.225	22.602	1482.645	8.089	11.734	126.350	2967.240	11.303	3.515	11.249
	34.882	33.811	4963.407	12.101	17.475	284.026	9933.344	16.908	5.504	17.614
L3	34.235	38.394	5047.269	11.451	16.577	304.471	10101.179	19.201	5.083	13.555
	46.713	54.377	14338.263	16.218	23.398	612.786	28695.392	27.193	7.447	19.857
L4	45.958	51.675	12305.274	15.412	22.245	553.164	24626.739	25.842	7.047	18.792
	58.101	67.725	27702.084	20.200	29.096	952.102	55440.619	33.869	9.420	25.121

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 165.500-136.830				1	1	1			
L2 136.830-95.500				1	1	1			
L3 95.500-47.000				1	1	1			
L4 47.000-0.000				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

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

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
Safety Line 3/8	A	No	No	CaAa (Out Of Face)	165.500 - 0.000	1	No Ice	0.037	0.000
							1/2" Ice	0.137	0.001
							1" Ice	0.238	0.001
							2" Ice	0.437	0.002
***									
MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	B	No	No	Inside Pole	162.000 - 0.000	1	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
HCS 6X12 4AWG(1-5/8)	B	No	No	Inside Pole	162.000 - 0.000	3	No Ice	0.000	0.002
							1/2" Ice	0.000	0.002
							1" Ice	0.000	0.002
							2" Ice	0.000	0.002
AL7-50(1-5/8)	B	No	No	Inside Pole	162.000 - 0.000	6	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
***									
AVA7-50(1-5/8)	C	No	No	Inside Pole	150.000 - 0.000	12	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
HB158-1-08U8-S8J 18(1-5/8)	C	No	No	Inside Pole	150.000 - 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
****									
CU12PSM9P6XXX(1-1/2)	B	No	No	Inside Pole	126.000 - 0.000	1	No Ice	0.000	0.002
							1/2" Ice	0.000	0.002
							1" Ice	0.000	0.002
							2" Ice	0.000	0.002
*									
*									

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	165.500-136.830	A	0.000	0.000	0.000	1.075	0.006
		B	0.000	0.000	0.000	0.000	0.287
		C	0.000	0.000	0.000	0.000	0.145
L2	136.830-95.500	A	0.000	0.000	0.000	1.550	0.009
		B	0.000	0.000	0.000	0.000	0.542
		C	0.000	0.000	0.000	0.000	0.455
L3	95.500-47.000	A	0.000	0.000	0.000	1.819	0.011
		B	0.000	0.000	0.000	0.000	0.666
		C	0.000	0.000	0.000	0.000	0.533
L4	47.000-0.000	A	0.000	0.000	0.000	1.763	0.010
		B	0.000	0.000	0.000	0.000	0.646
		C	0.000	0.000	0.000	0.000	0.517

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	165.500-136.830	A	1.484	0.000	0.000	0.000	9.583	0.051
		B		0.000	0.000	0.000	0.000	0.287
		C		0.000	0.000	0.000	0.000	0.145
L2	136.830-95.500	A	1.445	0.000	0.000	0.000	13.815	0.074
		B		0.000	0.000	0.000	0.000	0.542
		C		0.000	0.000	0.000	0.000	0.455
L3	95.500-47.000	A	1.375	0.000	0.000	0.000	15.832	0.085
		B		0.000	0.000	0.000	0.000	0.666
		C		0.000	0.000	0.000	0.000	0.533
L4	47.000-0.000	A	1.233	0.000	0.000	0.000	14.692	0.079
		B		0.000	0.000	0.000	0.000	0.646
		C		0.000	0.000	0.000	0.000	0.517

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	165.500-136.830	0.000	-0.341	0.000	-1.366
L2	136.830-95.500	0.000	-0.344	0.000	-1.473
L3	95.500-47.000	0.000	-0.346	0.000	-1.519
L4	47.000-0.000	0.000	-0.347	0.000	-1.510

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

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
AIR 32 B2A	A	From Leg	4.000	0.000	162.000	No Ice	3.760	3.150	0.194
B66AA_T-MOBILE w/			0.000			1/2" Ice	4.120	3.490	0.252
Mount Pipe			1.000			1" Ice	4.480	3.840	0.320
						2" Ice	5.240	4.580	0.485
AIR 32 B2A	B	From Leg	4.000	0.000	162.000	No Ice	3.760	3.150	0.194
B66AA_T-MOBILE w/			0.000			1/2" Ice	4.120	3.490	0.252
Mount Pipe			1.000			1" Ice	4.480	3.840	0.320
						2" Ice	5.240	4.580	0.485
AIR 32 B2A	C	From Leg	4.000	0.000	162.000	No Ice	3.760	3.150	0.194
B66AA_T-MOBILE w/			0.000			1/2" Ice	4.120	3.490	0.252
Mount Pipe			1.000			1" Ice	4.480	3.840	0.320

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice	5.240	4.580	0.485
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	A	From Leg	4.000 0.000 -2.000	0.000	162.000	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 _TMO w/ Mount Pipe	B	From Leg	4.000 0.000 -2.000	0.000	162.000	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 _TMO w/ Mount Pipe	C	From Leg	4.000 0.000 -2.000	0.000	162.000	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
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.190 5.590 6.020 6.900	2.710 3.040 3.380 4.120	0.128 0.174 0.227 0.354
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.190 5.590 6.020 6.900	2.710 3.040 3.380 4.120	0.128 0.174 0.227 0.354
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.190 5.590 6.020 6.900	2.710 3.040 3.380 4.120	0.128 0.174 0.227 0.354
RADIO 4415 B66A_CCIV2	A	From Leg	4.000 0.000 1.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.036 2.216 2.402 2.798	1.192 1.340 1.495 1.829	0.056 0.074 0.094 0.143
RADIO 4415 B66A_CCIV2	B	From Leg	4.000 0.000 1.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.036 2.216 2.402 2.798	1.192 1.340 1.495 1.829	0.056 0.074 0.094 0.143
RADIO 4415 B66A_CCIV2	C	From Leg	4.000 0.000 1.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.036 2.216 2.402 2.798	1.192 1.340 1.495 1.829	0.056 0.074 0.094 0.143
KRY 112 144/1	A	From Leg	4.000 0.000 -1.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.350 0.426 0.509 0.698	0.175 0.234 0.301 0.456	0.011 0.014 0.019 0.032
KRY 112 144/1	B	From Leg	4.000 0.000 -1.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.350 0.426 0.509 0.698	0.175 0.234 0.301 0.456	0.011 0.014 0.019 0.032
KRY 112 144/1	C	From Leg	4.000 0.000 -1.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.350 0.426 0.509 0.698	0.175 0.234 0.301 0.456	0.011 0.014 0.019 0.032
SDX1926Q-43	A	From Leg	4.000 0.000 1.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.241 0.306 0.379 0.547	0.101 0.144 0.195 0.318	0.006 0.009 0.012 0.023
SDX1926Q-43	B	From Leg	4.000 0.000 1.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.241 0.306 0.379 0.547	0.101 0.144 0.195 0.318	0.006 0.009 0.012 0.023

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
SDX1926Q-43	C	From Leg	4.000 0.000 1.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.241 0.306 0.379 0.547	0.101 0.144 0.195 0.318	0.006 0.009 0.012 0.023
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.000 0.000 1.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.970 2.147 2.331 2.721	1.587 1.749 1.918 2.280	0.073 0.093 0.116 0.170
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.000 0.000 1.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.970 2.147 2.331 2.721	1.587 1.749 1.918 2.280	0.073 0.093 0.116 0.170
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.000 0.000 1.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.970 2.147 2.331 2.721	1.587 1.749 1.918 2.280	0.073 0.093 0.116 0.170
10' x 2.375" Horizontal Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.380 3.410 4.450 5.910	0.010 0.050 0.100 0.240	0.037 0.054 0.079 0.147
10' x 2.375" Horizontal Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.380 3.410 4.450 5.910	0.010 0.050 0.100 0.240	0.037 0.054 0.079 0.147
10' x 2.375" Horizontal Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.380 3.410 4.450 5.910	0.010 0.050 0.100 0.240	0.037 0.054 0.079 0.147
6' x 2" Mount Pipe	A	From Leg	1.000 0.000 0.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
6' x 2" Mount Pipe	B	From Leg	1.000 0.000 0.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
6' x 2" Mount Pipe	C	From Leg	1.000 0.000 0.000	0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
Sector Mount [SM 308-3]	C	None		0.000	162.000	No Ice 1/2" Ice 1" Ice 2" Ice	20.730 29.320 37.850 54.810	20.730 29.320 37.850 54.810	0.381 0.805 1.374 2.939
***									
(2) SBNHH-1D65B w/ Mount Pipe	A	From Leg	4.000 0.000 3.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.490 4.890 5.720	3.300 3.680 4.070 4.870	0.066 0.130 0.204 0.386
(2) SBNHH-1D65B w/ Mount Pipe	B	From Leg	4.000 0.000 3.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.490 4.890 5.720	3.300 3.680 4.070 4.870	0.066 0.130 0.204 0.386
(2) SBNHH-1D65B w/ Mount Pipe	C	From Leg	4.000 0.000 3.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.490 4.890 5.720	3.300 3.680 4.070 4.870	0.066 0.130 0.204 0.386

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(2) RHSDC-3315-PF-48	C	From Leg	4.000 0.000 3.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.708 3.950 4.200 4.723	2.192 2.395 2.606 3.049	0.032 0.062 0.097 0.176
MT6407-77A	A	From Leg	4.000 0.000 3.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.692 4.980 5.275 5.887	1.840 2.063 2.292 2.772	0.082 0.111 0.144 0.223
MT6407-77A	B	From Leg	4.000 0.000 3.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.692 4.980 5.275 5.887	1.840 2.063 2.292 2.772	0.082 0.111 0.144 0.223
MT6407-77A	C	From Leg	4.000 0.000 3.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.692 4.980 5.275 5.887	1.840 2.063 2.292 2.772	0.082 0.111 0.144 0.223
RF4440D-13A	A	From Leg	4.000 0.000 3.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.865 2.035 2.212 2.589	1.129 1.267 1.411 1.723	0.073 0.090 0.110 0.159
RF4440D-13A	B	From Leg	4.000 0.000 3.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.865 2.035 2.212 2.589	1.129 1.267 1.411 1.723	0.073 0.090 0.110 0.159
RF4440D-13A	C	From Leg	4.000 0.000 3.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.865 2.035 2.212 2.589	1.129 1.267 1.411 1.723	0.073 0.090 0.110 0.159
RF4439D-25A	A	From Leg	4.000 0.000 3.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.865 2.035 2.212 2.589	1.252 1.394 1.544 1.866	0.075 0.093 0.114 0.165
RF4439D-25A	B	From Leg	4.000 0.000 3.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.865 2.035 2.212 2.589	1.252 1.394 1.544 1.866	0.075 0.093 0.114 0.165
RF4439D-25A	C	From Leg	4.000 0.000 3.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.865 2.035 2.212 2.589	1.252 1.394 1.544 1.866	0.075 0.093 0.114 0.165
8' x 2" Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.900 2.728 3.401 4.396	1.900 2.728 3.401 4.396	0.029 0.044 0.063 0.119
8' x 2" Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.900 2.728 3.401 4.396	1.900 2.728 3.401 4.396	0.029 0.044 0.063 0.119
8' x 2" Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.900 2.728 3.401 4.396	1.900 2.728 3.401 4.396	0.029 0.044 0.063 0.119
BSAMNT-SBS-1-2	C	None		0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.600 4.180 4.750 5.900	3.600 4.180 4.750 5.900	0.075 0.105 0.135 0.195
[NA 510-2]+[PRK-1245L]	C	None		0.000	55.000	No Ice	28.630	28.630	0.280

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
						1/2" Ice	37.310	37.310	0.670
						1" Ice	45.800	45.800	0.940
						2" Ice	62.380	62.380	1.630
Platform Mount [LP 304-1]	C	None		0.000	150.000	No Ice	17.490	17.490	1.349
						1/2" Ice	21.370	21.370	1.709
						1" Ice	25.280	25.280	2.131
						2" Ice	33.170	33.170	3.164
*****									
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	126.000	No Ice 1/2" Ice 1" Ice 2" Ice	8.010 8.520 9.040 10.110	4.230 4.690 5.160 6.120	0.108 0.194 0.292 0.522
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	126.000	No Ice 1/2" Ice 1" Ice 2" Ice	8.010 8.520 9.040 10.110	4.230 4.690 5.160 6.120	0.108 0.194 0.292 0.522
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	126.000	No Ice 1/2" Ice 1" Ice 2" Ice	8.010 8.520 9.040 10.110	4.230 4.690 5.160 6.120	0.108 0.194 0.292 0.522
TA08025-B604	A	From Leg	4.000 0.000 0.000	0.000	126.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.964 2.138 2.320 2.705	0.981 1.112 1.250 1.548	0.064 0.081 0.100 0.148
TA08025-B604	B	From Leg	4.000 0.000 0.000	0.000	126.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.964 2.138 2.320 2.705	0.981 1.112 1.250 1.548	0.064 0.081 0.100 0.148
TA08025-B604	C	From Leg	4.000 0.000 0.000	0.000	126.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.964 2.138 2.320 2.705	0.981 1.112 1.250 1.548	0.064 0.081 0.100 0.148
TA08025-B605	A	From Leg	4.000 0.000 0.000	0.000	126.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.964 2.138 2.320 2.705	1.129 1.267 1.411 1.723	0.075 0.093 0.114 0.164
TA08025-B605	B	From Leg	4.000 0.000 0.000	0.000	126.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.964 2.138 2.320 2.705	1.129 1.267 1.411 1.723	0.075 0.093 0.114 0.164
TA08025-B605	C	From Leg	4.000 0.000 0.000	0.000	126.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.964 2.138 2.320 2.705	1.129 1.267 1.411 1.723	0.075 0.093 0.114 0.164
RDIDC-9181-PF-48	A	From Leg	4.000 0.000 0.000	0.000	126.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.012 2.189 2.373 2.763	1.168 1.311 1.461 1.784	0.022 0.040 0.060 0.110
(2) 8' x 2" Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	126.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.900 2.728 3.401 4.396	1.900 2.728 3.401 4.396	0.029 0.044 0.063 0.119
(2) 8' x 2" Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	126.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.900 2.728 3.401 4.396	1.900 2.728 3.401 4.396	0.029 0.044 0.063 0.119
(2) 8' x 2" Mount Pipe	C	From Leg	4.000	0.000	126.000	No Ice	1.900	1.900	0.029

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			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
Commscope MC-PK8-DSH	C	None		0.000	126.000	No Ice	34.240	34.240	1.749
						1/2" Ice	62.950	62.950	2.099
						1" Ice	91.660	91.660	2.450
						2" Ice	149.080	149.080	3.151
****									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft	Aperture Area ft^2	Weight K
*										

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
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

Comb. No.	Description
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	165.5 - 136.83	Pole	Max Tension	8	0.000	0.000	0.000
			Max. Compression	26	-17.795	1.253	-0.667
			Max. Mx	20	-7.269	143.655	-0.839
			Max. My	14	-7.276	0.972	-142.739
			Max. Vy	20	-8.732	143.655	-0.839
			Max. Vx	14	8.673	0.972	-142.739
			Max. Torque	13			-0.781
L2	136.83 - 95.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-31.891	1.291	-0.140
			Max. Mx	20	-16.217	631.573	-2.815
			Max. My	14	-16.221	3.108	-628.919
			Max. Vy	20	-14.768	631.573	-2.815
			Max. Vx	14	14.739	3.108	-628.919
			Max. Torque	13			-0.770
L3	95.5 - 47	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-47.479	1.291	-0.003
			Max. Mx	20	-27.545	1416.915	-5.264
			Max. My	14	-27.547	5.593	-1412.887
			Max. Vy	20	-19.691	1416.915	-5.264
			Max. Vx	2	-19.663	-4.907	1412.854
			Max. Torque	3			0.689
L4	47 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-68.033	1.291	0.188
			Max. Mx	20	-43.856	2570.382	-7.936
			Max. My	2	-43.856	-7.602	2564.885
			Max. Vy	20	-23.661	2570.382	-7.936
			Max. Vx	2	-23.634	-7.602	2564.885
			Max. Torque	5			0.688

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	36	68.033	8.448	-0.010
	Max. H_x	20	43.869	23.636	-0.050
	Max. H_z	2	43.869	-0.050	23.609
	Max. M_x	2	2564.885	-0.050	23.609
	Max. M_z	8	2569.679	-23.636	0.050
	Max. Torsion	5	0.688	-11.861	20.471
	Min. Vert	13	32.902	-11.775	-20.421
	Min. H_x	8	43.869	-23.636	0.050
	Min. H_z	14	43.869	0.050	-23.609
	Min. M_x	14	-2564.860	0.050	-23.609
	Min. M_z	20	-2570.382	23.636	-0.050
	Min. Torsion	17	-0.678	11.861	-20.471

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	36.558	0.000	0.000	-0.013	0.270	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	43.869	0.050	-23.609	-2564.885	-7.602	-0.684
0.9 Dead+1.0 Wind 0 deg - No Ice	32.902	0.050	-23.609	-2537.493	-7.595	-0.687
1.2 Dead+1.0 Wind 30 deg - No Ice	43.869	11.861	-20.471	-2225.227	-1291.556	-0.686
0.9 Dead+1.0 Wind 30 deg - No Ice	32.902	11.861	-20.471	-2201.447	-1277.826	-0.688
1.2 Dead+1.0 Wind 60 deg - No Ice	43.869	20.494	-11.847	-1289.326	-2229.339	-0.500
0.9 Dead+1.0 Wind 60 deg - No Ice	32.902	20.494	-11.847	-1275.538	-2205.591	-0.501
1.2 Dead+1.0 Wind 90 deg - No Ice	43.869	23.636	-0.050	-7.962	-2569.679	-0.181
0.9 Dead+1.0 Wind 90 deg - No Ice	32.902	23.636	-0.050	-7.860	-2542.310	-0.179
1.2 Dead+1.0 Wind 120 deg - No Ice	43.869	20.444	11.762	1275.547	-2221.416	0.184
0.9 Dead+1.0 Wind 120 deg - No Ice	32.902	20.444	11.762	1261.936	-2197.766	0.186
1.2 Dead+1.0 Wind 150 deg - No Ice	43.869	11.775	20.421	2217.278	-1277.803	0.495
0.9 Dead+1.0 Wind 150 deg - No Ice	32.902	11.775	20.421	2193.602	-1264.245	0.499
1.2 Dead+1.0 Wind 180 deg - No Ice	43.869	-0.050	23.609	2564.860	8.296	0.674
0.9 Dead+1.0 Wind 180 deg - No Ice	32.902	-0.050	23.609	2537.473	8.104	0.678
1.2 Dead+1.0 Wind 210 deg - No Ice	43.869	-11.861	20.471	2225.206	1292.253	0.676
0.9 Dead+1.0 Wind 210 deg - No Ice	32.902	-11.861	20.471	2201.429	1278.337	0.678

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
1.2 Dead+1.0 Wind 240 deg - No Ice	43.869	-20.494	11.847	1289.305	2230.040	0.500
0.9 Dead+1.0 Wind 240 deg - No Ice	32.902	-20.494	11.847	1275.521	2206.104	0.501
1.2 Dead+1.0 Wind 270 deg - No Ice	43.869	-23.636	0.050	7.936	2570.382	0.191
0.9 Dead+1.0 Wind 270 deg - No Ice	32.902	-23.636	0.050	7.839	2542.826	0.189
1.2 Dead+1.0 Wind 300 deg - No Ice	43.869	-20.444	-11.762	-1275.577	2222.116	-0.174
0.9 Dead+1.0 Wind 300 deg - No Ice	32.902	-20.444	-11.762	-1261.960	2198.280	-0.177
1.2 Dead+1.0 Wind 330 deg - No Ice	43.869	-11.775	-20.421	-2217.308	1278.499	-0.495
0.9 Dead+1.0 Wind 330 deg - No Ice	32.902	-11.775	-20.421	-2193.625	1264.756	-0.499
1.2 Dead+1.0 Ice+1.0 Temp	68.033	-0.000	0.000	-0.188	1.291	0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	68.033	0.010	-8.442	-937.894	-0.231	-0.150
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	68.033	4.232	-7.316	-813.099	-469.392	-0.408
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	68.033	7.321	-4.230	-470.485	-812.393	-0.556
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	68.033	8.448	-0.010	-1.857	-937.329	-0.555
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	68.033	7.311	4.213	467.219	-810.723	-0.406
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	68.033	4.215	7.306	811.053	-466.499	-0.148
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	68.033	-0.010	8.442	937.516	3.108	0.149
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	68.033	-4.232	7.316	812.722	472.268	0.407
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	68.033	-7.321	4.230	470.111	815.269	0.556
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	68.033	-8.448	0.010	1.483	940.207	0.556
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	68.033	-7.311	-4.213	-467.594	813.602	0.407
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	68.033	-4.215	-7.306	-811.430	469.378	0.148
Dead+Wind 0 deg - Service	36.558	0.012	-5.949	-642.189	-1.697	-0.173
Dead+Wind 30 deg - Service	36.558	2.989	-5.158	-557.148	-323.166	-0.173
Dead+Wind 60 deg - Service	36.558	5.164	-2.985	-322.822	-557.965	-0.127
Dead+Wind 90 deg - Service	36.558	5.956	-0.012	-1.999	-643.180	-0.046
Dead+Wind 120 deg - Service	36.558	5.151	2.964	319.357	-555.977	0.047
Dead+Wind 150 deg - Service	36.558	2.967	5.146	555.139	-319.723	0.127
Dead+Wind 180 deg - Service	36.558	-0.012	5.949	642.168	2.279	0.173
Dead+Wind 210 deg - Service	36.558	-2.989	5.158	557.127	323.749	0.173
Dead+Wind 240 deg - Service	36.558	-5.164	2.985	322.801	558.548	0.127
Dead+Wind 270 deg - Service	36.558	-5.956	0.012	1.978	643.762	0.047
Dead+Wind 300 deg - Service	36.558	-5.151	-2.964	-319.378	556.560	-0.046
Dead+Wind 330 deg - Service	36.558	-2.967	-5.146	-555.160	320.305	-0.127

Solution Summary

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
1	0.000	-36.558	0.000	0.000	36.558	0.000	0.000%
2	0.050	-43.869	-23.609	-0.050	43.869	23.609	0.000%
3	0.050	-32.902	-23.609	-0.050	32.902	23.609	0.000%
4	11.861	-43.869	-20.471	-11.861	43.869	20.471	0.000%
5	11.861	-32.902	-20.471	-11.861	32.902	20.471	0.000%
6	20.494	-43.869	-11.847	-20.494	43.869	11.847	0.000%
7	20.494	-32.902	-11.847	-20.494	32.902	11.847	0.000%
8	23.636	-43.869	-0.050	-23.636	43.869	0.050	0.000%
9	23.636	-32.902	-0.050	-23.636	32.902	0.050	0.000%
10	20.444	-43.869	11.762	-20.444	43.869	-11.762	0.000%
11	20.444	-32.902	11.762	-20.444	32.902	-11.762	0.000%
12	11.775	-43.869	20.421	-11.775	43.869	-20.421	0.000%
13	11.775	-32.902	20.421	-11.775	32.902	-20.421	0.000%
14	-0.050	-43.869	23.609	0.050	43.869	-23.609	0.000%
15	-0.050	-32.902	23.609	0.050	32.902	-23.609	0.000%
16	-11.861	-43.869	20.471	11.861	43.869	-20.471	0.000%
17	-11.861	-32.902	20.471	11.861	32.902	-20.471	0.000%
18	-20.494	-43.869	11.847	20.494	43.869	-11.847	0.000%
19	-20.494	-32.902	11.847	20.494	32.902	-11.847	0.000%
20	-23.636	-43.869	0.050	23.636	43.869	-0.050	0.000%
21	-23.636	-32.902	0.050	23.636	32.902	-0.050	0.000%
22	-20.444	-43.869	-11.762	20.444	43.869	11.762	0.000%
23	-20.444	-32.902	-11.762	20.444	32.902	11.762	0.000%
24	-11.775	-43.869	-20.421	11.775	43.869	20.421	0.000%
25	-11.775	-32.902	-20.421	11.775	32.902	20.421	0.000%
26	0.000	-68.033	0.000	0.000	68.033	-0.000	0.000%
27	0.010	-68.033	-8.442	-0.010	68.033	8.442	0.000%
28	4.232	-68.033	-7.316	-4.232	68.033	7.316	0.000%
29	7.321	-68.033	-4.230	-7.321	68.033	4.230	0.000%
30	8.447	-68.033	-0.010	-8.448	68.033	0.010	0.000%
31	7.311	-68.033	4.213	-7.311	68.033	-4.213	0.000%
32	4.215	-68.033	7.306	-4.215	68.033	-7.306	0.000%
33	-0.010	-68.033	8.442	0.010	68.033	-8.442	0.000%
34	-4.232	-68.033	7.316	4.232	68.033	-7.316	0.000%
35	-7.321	-68.033	4.230	7.321	68.033	-4.230	0.000%
36	-8.447	-68.033	0.010	8.448	68.033	-0.010	0.000%
37	-7.311	-68.033	-4.213	7.311	68.033	4.213	0.000%
38	-4.215	-68.033	-7.306	4.215	68.033	7.306	0.000%
39	0.012	-36.558	-5.949	-0.012	36.558	5.949	0.000%
40	2.989	-36.558	-5.158	-2.989	36.558	5.158	0.000%
41	5.164	-36.558	-2.985	-5.164	36.558	2.985	0.000%
42	5.956	-36.558	-0.012	-5.956	36.558	0.012	0.000%
43	5.151	-36.558	2.964	-5.151	36.558	-2.964	0.000%
44	2.967	-36.558	5.146	-2.967	36.558	-5.146	0.000%
45	-0.012	-36.558	5.949	0.012	36.558	-5.949	0.000%
46	-2.989	-36.558	5.158	2.989	36.558	-5.158	0.000%
47	-5.164	-36.558	2.985	5.164	36.558	-2.985	0.000%
48	-5.956	-36.558	0.012	5.956	36.558	-0.012	0.000%
49	-5.151	-36.558	-2.964	5.151	36.558	2.964	0.000%
50	-2.967	-36.558	-5.146	2.967	36.558	5.146	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	4	0.00000001	0.00061483
3	Yes	4	0.00000001	0.00036602
4	Yes	5	0.00000001	0.00074067
5	Yes	5	0.00000001	0.00034617
6	Yes	5	0.00000001	0.00076110
7	Yes	5	0.00000001	0.00035646
8	Yes	4	0.00000001	0.00035303
9	Yes	4	0.00000001	0.00013260
10	Yes	5	0.00000001	0.00075269
11	Yes	5	0.00000001	0.00035341
12	Yes	5	0.00000001	0.00072352
13	Yes	5	0.00000001	0.00033862
14	Yes	4	0.00000001	0.00082128
15	Yes	4	0.00000001	0.00051355
16	Yes	5	0.00000001	0.00076892
17	Yes	5	0.00000001	0.00036029
18	Yes	5	0.00000001	0.00075037
19	Yes	5	0.00000001	0.00035073
20	Yes	4	0.00000001	0.00042325
21	Yes	4	0.00000001	0.00020375
22	Yes	5	0.00000001	0.00073049
23	Yes	5	0.00000001	0.00034189
24	Yes	5	0.00000001	0.00075782
25	Yes	5	0.00000001	0.00035596
26	Yes	4	0.00000001	0.00000745
27	Yes	5	0.00000001	0.00034993
28	Yes	5	0.00000001	0.00051799
29	Yes	5	0.00000001	0.00052709
30	Yes	5	0.00000001	0.00034932
31	Yes	5	0.00000001	0.00051825
32	Yes	5	0.00000001	0.00051756
33	Yes	5	0.00000001	0.00035047
34	Yes	5	0.00000001	0.00053391
35	Yes	5	0.00000001	0.00052535
36	Yes	5	0.00000001	0.00035211
37	Yes	5	0.00000001	0.00052525
38	Yes	5	0.00000001	0.00052523
39	Yes	4	0.00000001	0.00004847
40	Yes	4	0.00000001	0.00024337
41	Yes	4	0.00000001	0.00026405
42	Yes	4	0.00000001	0.00002851
43	Yes	4	0.00000001	0.00026553
44	Yes	4	0.00000001	0.00023527
45	Yes	4	0.00000001	0.00005175
46	Yes	4	0.00000001	0.00027491
47	Yes	4	0.00000001	0.00025273
48	Yes	4	0.00000001	0.00002963
49	Yes	4	0.00000001	0.00024127
50	Yes	4	0.00000001	0.00027306

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	165.5 - 136.83	21.779	47	1.224	0.002
L2	140 - 95.5	15.443	47	1.097	0.001
L3	100 - 47	7.603	47	0.746	0.001
L4	53 - 0	2.085	47	0.367	0.000

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
162.000	AIR 32 B2A B66AA_T-MOBILE w/ Mount Pipe	47	20.882	1.209	0.002	32825
150.000	(2) SBNHH-1D65B w/ Mount Pipe	47	17.850	1.155	0.002	10588
126.000	MX08FRO665-21 w/ Mount Pipe	47	12.368	0.988	0.001	6564
55.000	[NA 510-2]+[PRK-1245L]	47	2.235	0.382	0.000	6271

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	165.5 - 136.83	86.992	18	4.891	0.009
L2	140 - 95.5	61.712	18	4.386	0.006
L3	100 - 47	30.389	18	2.984	0.002
L4	53 - 0	8.331	18	1.469	0.001

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
162.000	AIR 32 B2A B66AA_T-MOBILE w/ Mount Pipe	18	83.415	4.833	0.009	8371
150.000	(2) SBNHH-1D65B w/ Mount Pipe	18	71.319	4.616	0.007	2698
126.000	MX08FRO665-21 w/ Mount Pipe	18	49.433	3.952	0.004	1663
55.000	[NA 510-2]+[PRK-1245L]	18	8.933	1.527	0.001	1570

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	165.5 - 136.83 (1)	TP24.279x17x0.188	28.670	0.000	0.0	13.858	-7.265	810.721	0.009

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L2	136.83 - 95.5 (2)	TP34.4x23.099x0.313	44.500	0.000	0.0	32.677	-16.213	1911.610	0.008
L3	95.5 - 47 (3)	TP46.06x32.632x0.375	53.000	0.000	0.0	52.567	-27.543	3075.180	0.009
L4	47 - 0 (4)	TP57.275x43.79x0.375	53.000	0.000	0.0	67.725	-43.856	3961.930	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	165.5 - 136.83 (1)	TP24.279x17x0.188	144.098	456.926	0.315	0.000	456.926	0.000
L2	136.83 - 95.5 (2)	TP34.4x23.099x0.313	633.365	1599.367	0.396	0.000	1599.367	0.000
L3	95.5 - 47 (3)	TP46.06x32.632x0.375	1420.500	3342.775	0.425	0.000	3342.775	0.000
L4	47 - 0 (4)	TP57.275x43.79x0.375	2575.925	5057.017	0.509	0.000	5057.017	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	165.5 - 136.83 (1)	TP24.279x17x0.188	8.764	243.216	0.036	0.033	495.998	0.000
L2	136.83 - 95.5 (2)	TP34.4x23.099x0.313	14.807	573.482	0.026	0.285	1654.575	0.000
L3	95.5 - 47 (3)	TP46.06x32.632x0.375	19.729	922.555	0.021	0.384	3568.200	0.000
L4	47 - 0 (4)	TP57.275x43.79x0.375	23.697	1188.580	0.020	0.500	5922.700	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	165.5 - 136.83 (1)	0.009	0.315	0.000	0.036	0.000	0.326 ✔	1.050	4.8.2 ✔
L2	136.83 - 95.5 (2)	0.008	0.396	0.000	0.026	0.000	0.405 ✔	1.050	4.8.2 ✔
L3	95.5 - 47 (3)	0.009	0.425	0.000	0.021	0.000	0.434 ✔	1.050	4.8.2 ✔
L4	47 - 0 (4)	0.011	0.509	0.000	0.020	0.000	0.521 ✔	1.050	4.8.2 ✔

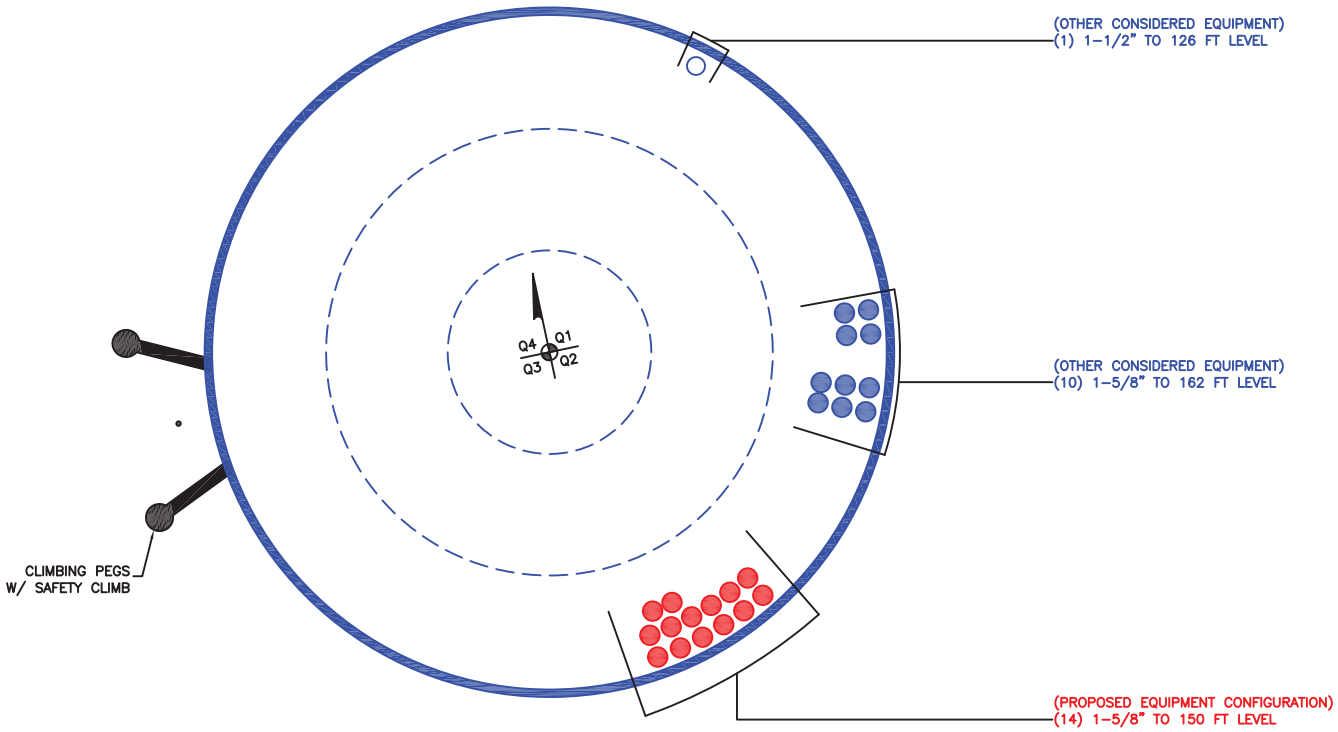
Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	165.5 - 136.83	Pole	TP24.279x17x0.188	1	-7.265	851.257	31.0	Pass
L2	136.83 - 95.5	Pole	TP34.4x23.099x0.313	2	-16.213	2007.190	38.6	Pass
L3	95.5 - 47	Pole	TP46.06x32.632x0.375	3	-27.543	3228.939	41.4	Pass
L4	47 - 0	Pole	TP57.275x43.79x0.375	4	-43.856	4160.026	49.6	Pass
							Summary	
						Pole (L4)	49.6	Pass
						RATING =	**49.6**	**Pass**

Program Version 8.1.1.0

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 801487

APPENDIX C

ADDITIONAL CALCULATIONS

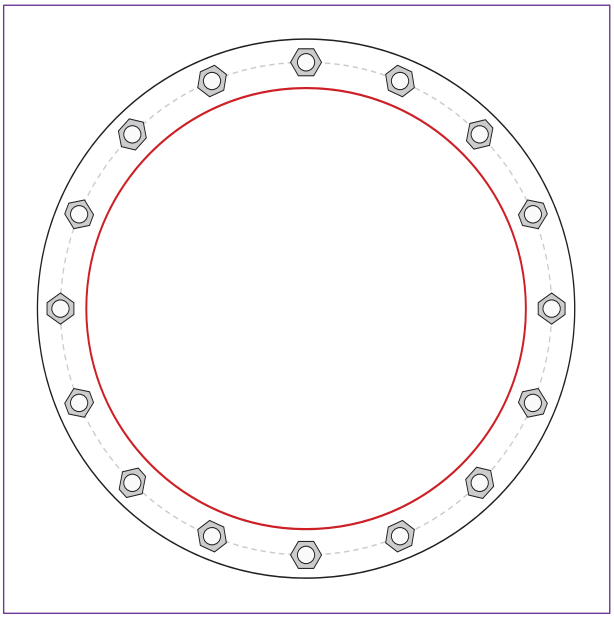
Monopole Base Plate Connection

Site Info	
BU #	801487
Site Name	Suffield 3 Cac 801487,
Order #	588817 Rev-0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1.5

Applied Loads	
Moment (kip-ft)	2575.92
Axial Force (kips)	43.86
Shear Force (kips)	23.70

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(16) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 64" BC

Base Plate Data

70" OD x 2.75" Plate (A633 Gr. E; Fy=60 ksi, Fu=70 ksi)

Stiffener Data

N/A

Pole Data

57.275" x 0.375" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

Pu_t = 117.94	ϕPn_t = 243.75	**Stress Rating**
Vu = 1.48	ϕVn = 149.1	**46.1%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	12.33	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**21.7%**	**Pass**

Pier and Pad Foundation

BU # :	801487
Site Name:	Ct Suffield 3 Cac 8(
App. Number:	588817

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp}:	44	kips
Base Shear, Vu_comp:	24	kips
Moment, M_u:	2576	ft-kips
Tower Height, **H**:	165.5	ft
BP Dist. Above Fdn, bp_{dist}:	3.75	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, **dpier**:	7.5	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	9	
Pier Rebar Quantity, **mc**:	38	
Pier Tie/Spiral Size, **St**:	5	
Pier Tie/Spiral Quantity, **mt**:	9	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	6.5	ft
Pad Width, W_1:	30	ft
Pad Thickness, **T**:	2.5	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	9	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	29	
Pad Clear Cover, cc_{pad}:	3	in

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

Soil Properties		
Total Soil Unit Weight, γ:	120	pcf
Ultimate Gross Bearing, Qult:	12.000	ksf
Cohesion, **Cu**:	0.750	ksf
Friction Angle, φ:	0	degrees
SPT Blow Count, N_{blows}:		
Base Friction, μ:		
Neglected Depth, **N**:	2.00	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	18	ft

<--Toggle between Gross and Net

Foundation Analysis Checks				
	Capacity	**Demand**	**Rating***	**Check**
Lateral (Sliding) (kips)	646.99	24.00	**3.5%**	**Pass**
Bearing Pressure (ksf)	9.00	1.51	**16.0%**	**Pass**
*Overturning (kip*ft)*	10066.36	2751.50	**27.3%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	6482.83	2684.00	**39.4%**	**Pass**
Pier Compression (kip)	21089.12	79.78	**0.4%**	**Pass**
*Pad Flexure (kip*ft)*	3179.02	985.21	**29.5%**	**Pass**
Pad Shear - 1-way (kips)	748.54	133.14	**16.9%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.164	0.036	**20.8%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	3133.22	1610.40	**49.0%**	**Pass**

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

Structural Rating*:	**49.0%**
Soil Rating*:	**27.3%**

Drilled Pier Foundation

BU # :	801487
Site Name:	Ct Suffield 3 Cac 801487, C
Order Number:	588817 Rev-0
TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads	Comp.	Uplift
Moment (kip-ft)	2576	
Axial Force (kips)	44	
Shear Force (kips)	24	

Material Properties		
Concrete Strength, f'c:	3	ksi
Rebar Strength, Fy:	60	ksi
Tie Yield Strength, Fyt:	40	ksi

Pier Design Data		
Depth	24	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
From 0.5' above grade to 24' below grade		
Pier Diameter	7.5	ft
Rebar Quantity	21	
Rebar Size	11	
Clear Cover to Ties	4	in
Tie Size	5	
Tie Spacing	18	in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Analysis Results		
Soil Lateral Check	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	4.61	-
Soil Safety Factor	3.88	-
Max Moment (kip-ft)	2662.98	-
Rating*	*32.6%*	-
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	557.27	-
End Bearing (kips)	596.41	-
Weight of Concrete (kips)	174.97	-
Total Capacity (kips)	1153.69	-
Axial (kips)	218.97	-
Rating*	*18.1%*	-
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	4.17	-
Critical Moment (kip-ft)	2661.83	-
Critical Moment Capacity	5656.57	-
Rating*	*44.8%*	-
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	17.47	-
Critical Shear (kip)	298.57	-
Critical Shear Capacity	631.53	-
Rating*	*45.0%*	-

Structural Foundation Rating*	**45.0%**
Soil Interaction Rating*	**32.6%**

*Rating per TIA-222-H Section 15.5

Check Limitation	
Apply TIA-222-H Section 15.5:	☑
N/A	☐
Additional Longitudinal Rebar	
Input Effective Depths (else Actual):	☐
Shear Design Options	
Check Shear along Depth of Pier:	☑
Utilize Shear-Friction Methodology:	☐
Override Critical Depth:	☐

Go to Soil Calculations

Soil Profile

Groundwater Depth	18	# of Layers	4

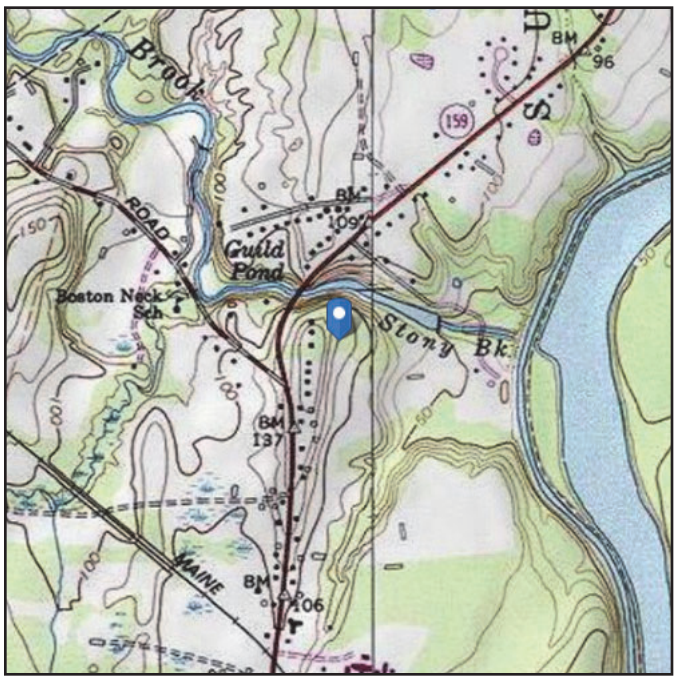
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	2	2	115	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	2	6.3	4.3	120	150	0.75	0	0.413	0.413					Cohesive
3	6.3	18	11.7	120	150	0	32	1.491	1.491				50	Cohesionless
4	18	24	6	60	87.6	0	32	2.054	2.054			18	95	Cohesionless

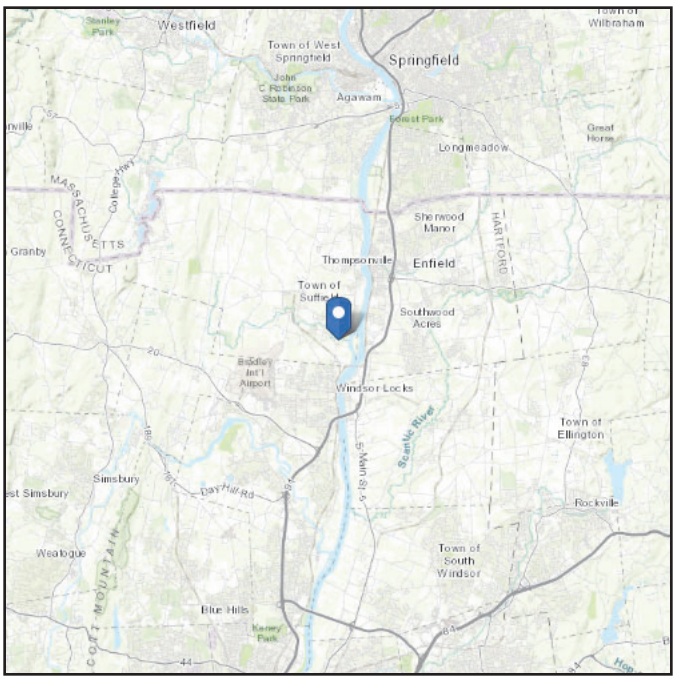
ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Elevation: 115.47 ft (NAVD 88)
Latitude: 41.957
Longitude: -72.625722





Wind

Results:

Wind Speed:	116 Vmph
10-year MRI	75 Vmph
25-year MRI	83 Vmph
50-year MRI	90 Vmph
100-year MRI	96 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Tue Sep 28 2021

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

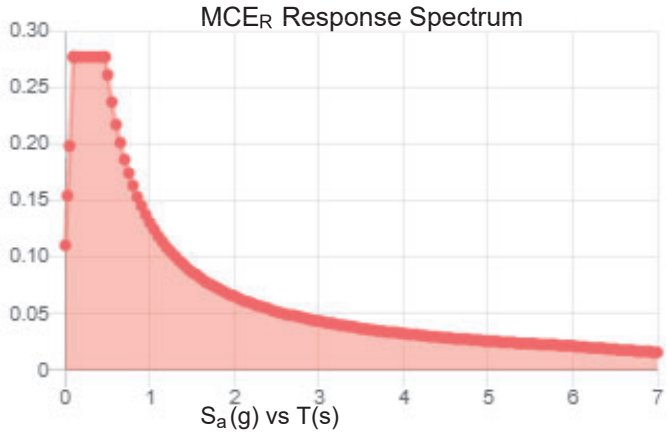
Seismic

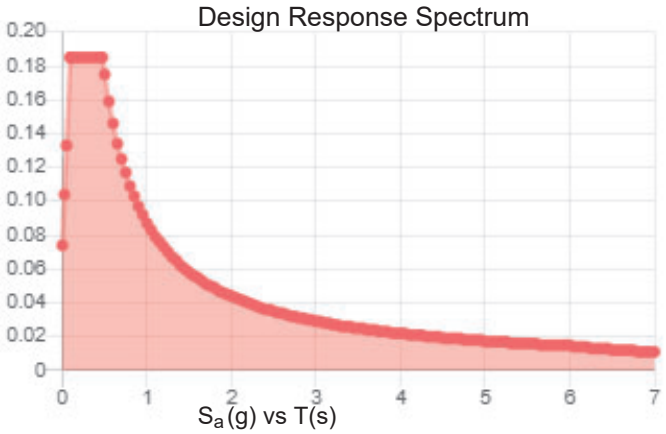
Site Soil Class: D - Default (see Section 11.4.3)

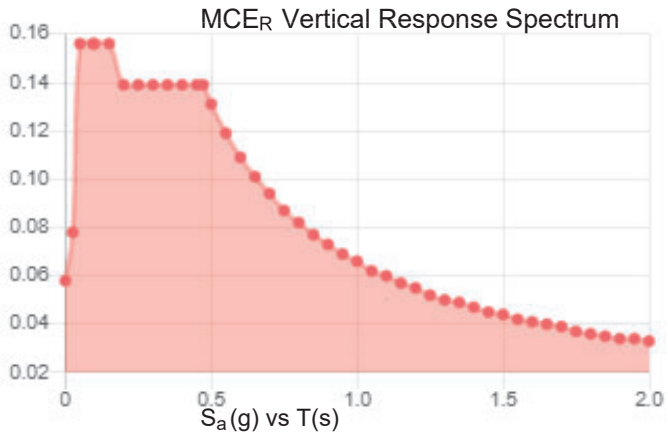
Results:

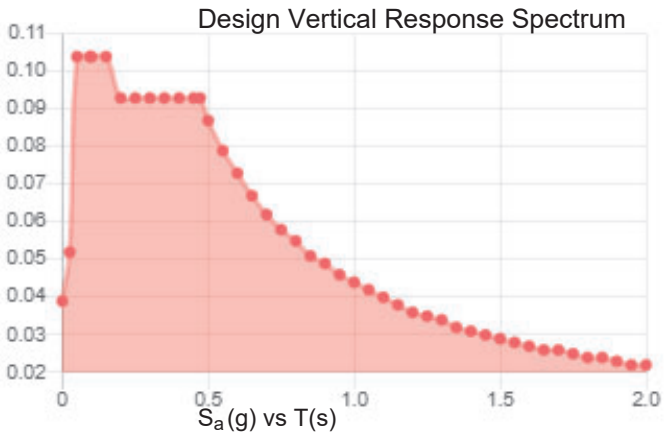
S_S :	0.174	S_{D1} :	0.087
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.091
F_v :	2.4	PGA_M :	0.146
S_{MS} :	0.278	F_{PGA} :	1.6
S_{M1} :	0.131	I_e :	1
S_{DS} :	0.185	C_v :	0.7

Seismic Design Category B









Data Accessed: Tue Sep 28 2021

Date Source: USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness:	1.50 in.
Concurrent Temperature:	5 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Tue Sep 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 500-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-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10102204
Maser Consulting Connecticut Project #: 21777476A

September 16, 2021

Site Information	*Site ID:*	*535835-VZW / SUFFIELD 4 CT*
	Site Name:	*SUFFIELD 4 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*848 East Street* *Suffield, Connecticut 06108* *Hartford County*
	Latitude:	*41.957000°*
	Longitude:	*-72.625722°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*11.83-Ft Platform*

FUZE ID # 16244669

Analysis Results

Platform: **45.4% Pass**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Prasanna Dhakal

Digitally signed by Justin Linette
Date: 2021.09.16 15:19:23-04'00'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 675065, dated August 28, 2021*
Mount Mapping Report	*Roaming Networks Inc., Site ID: PSLC535835, dated March 26, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 21777476A, dated September 9, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777476A, dated September 16, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	116 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.996
Seismic Parameters:	S_S:	0.174 g
	S_1:	0.055 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
151.25	153.00	3	Samsung	MT6407-77A	Added
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		6	Andrew	SBNHH-1D65B	Retained
		2	Raycap	RHSDC-3315-PF-48*	

* Equipment is flush mounted directly to the Monopole. They are not mounted on platform mounts 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 in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

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

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

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	*15.5%*	*Pass*
Standoff Horizontal	*34.0%*	*Pass*
Platform Crossmember	*18.6%*	*Pass*
Mount Pipe	*32.6%*	*Pass*
Corner Plate	*11.8%*	*Pass*
Grating Support	*11.9%*	*Pass*
Cross Arm Plate	*37.5%*	*Pass*
Mod Support Rail	*15.9%*	*Pass*
Mod Support Rail Connection	*24.6%*	*Pass*
Mount Connection (Bolt)	*23.0%*	*Pass*
Mount Connection (Plate)	*45.4%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**45.4%**

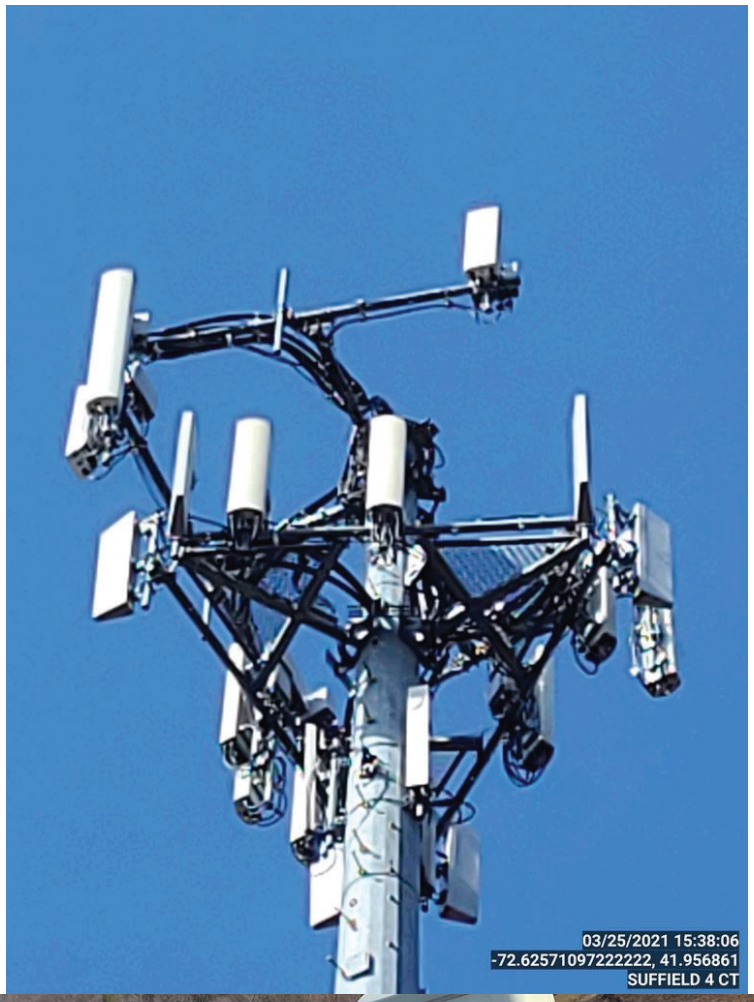
Recommendation:

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

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

Attachments:

1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required PMI Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter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-72.62571097222222, 41.956861
SUFFIELD 4 CT


03/25/2021 16:24:52
-72.62571097222222, 41.956861
SUFFIELD 4 CT

V3.0 Updated on 8-31-2020

PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

FCC # N/A

Tower Owner:	Other	**Mapping Date:**	3/26/2021
Site Name:	SUFFIELD 4 CT	**Tower Type:**	Self Support
Site Number or ID:	PSLC535835	**Tower Height (Ft.):**	N/A
Mapping Contractor:	Roaming Networks Inc.	**Mount Elevation (Ft.):**	152.5

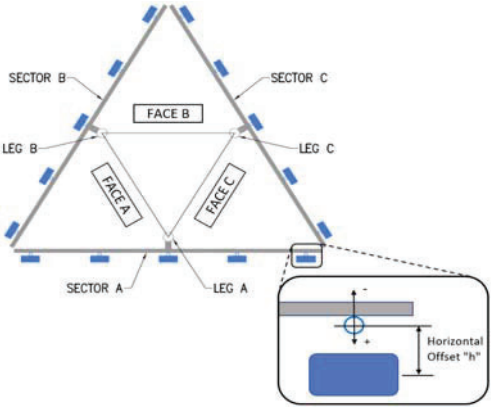
Mount Pipe Configuration and Geometries [Unit = Inches]

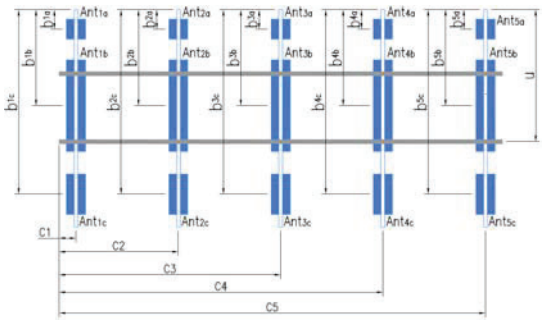
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.38"Ø X 0.15" X 72" LONG	47.00	4.00	C1	PIPE 2.38"Ø X 0.15" X 72" LONG	47.00	4.00
A2	PIPE 2.38"Ø X 0.15" X 72" LONG	47.00	70.00	C2	PIPE 2.38"Ø X 0.15" X 72" LONG	47.00	70.00
A3	PIPE 2.38"Ø X 0.15" X 72" LONG	48.00	115.00	C3	PIPE 2.38"Ø X 0.15" X 72" LONG	48.00	115.00
A4	PIPE 2.38"Ø X 0.15" X 72" LONG	47.00	139.00	C4	PIPE 2.38"Ø X 0.15" X 72" LONG	47.00	139.00
A5				C5			
A6				C6			
B1	PIPE 2.38"Ø X 0.15" X 72" LONG	47.00	4.00	D1			
B2	PIPE 2.38"Ø X 0.15" X 72" LONG	47.00	70.00	D2			
B3	PIPE 2.38"Ø X 0.15" X 72" LONG	48.00	115.00	D3			
B4	PIPE 2.38"Ø X 0.15" X 72" LONG	47.00	139.00	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. :	0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	1.5
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	2.8

Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	21.3



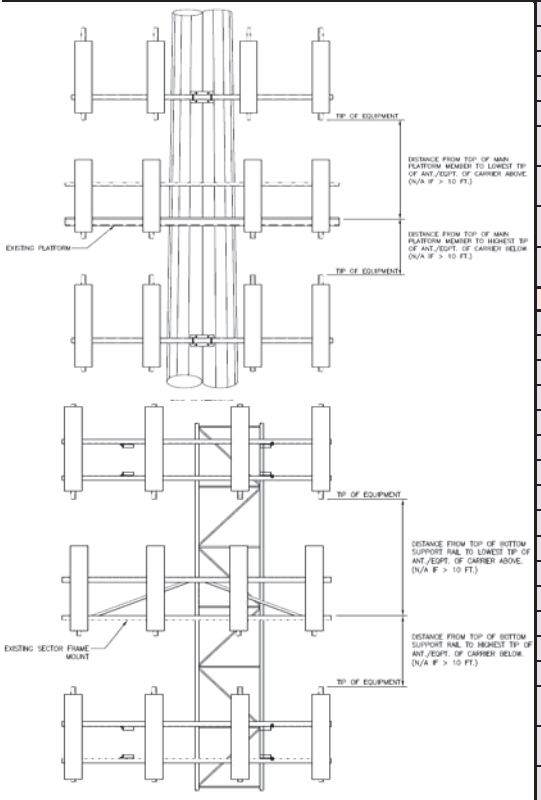


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}	LPA 80080/6CF-EDIN	13.20	5.50	70.90		153.5	35.00	16.00	244.00	9,10
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	B4 RRH2x60-4R	10.63	5.75	36.61		155.083	16.00			11,12
Ant_{2b}	SBNHH-1D65B	11.85	7.09	72.87		154.167	27.00	8.00	244.00	13
Ant_{2c}										
Ant_{3a}	B13 RRH 4x30	12.00	9.00	21.60		154.667	22.00			4,5
Ant_{3b}	SBNHH-1D65B	11.85	7.09	72.87		154.25	27.00	8.00	244.00	6
Ant_{3c}										
Ant_{4a}	LPA 80080/6CF-EDIN	13.20	5.50	70.90		153.5	35.00	16.00	244.00	7,8
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RC3DC-3315-PF-48	15.73	10.30	28.93						
Ant on Tower										

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	244.00	Deg	Leg A:	Deg
Sector B:	359.00	Deg	Leg B:	Deg
Sector C:	137.00	Deg	Leg C:	Deg
Sector D:		Deg	Leg D:	Deg

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



Sector B											
Ant_{1a}	LPA 80080/6CF-EDIN	13.20	5.50	70.90		153.5	35.00	16.00	359.00	9,10
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	B4 RRH2x60-4R	10.63	5.75	36.61		155.083	16.00			11,12
Ant_{2b}	SBNHH-1D65B	11.85	7.09	72.87		154.167	27.00	8.00	359.00	13
Ant_{2c}										
Ant_{3a}	B13 RRH 4x30	12.00	9.00	21.60		154.667	22.00			4,5
Ant_{3b}	SBNHH-1D65B	11.85	7.09	72.87		154.25	27.00	8.00		6
Ant_{3c}										
Ant_{4a}	LPA 80080/6CF-EDIN	13.20	5.50	70.90		153.5	35.00	16.00	359.00	7,8
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RC3DC-3315-PF-48	15.73	10.30	28.93						
Ant on Tower										
Sector C										
Ant_{1a}	LPA 80080/6CF-EDIN	13.20	5.50	70.90		153.5	35.00	16.00	137.00	9,10
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	B4 RRH2x60-4R	10.63	5.75	36.61		155.083	16.00			11,12
Ant_{2b}	SBNHH-1D65B	11.85	7.09	72.87		154.167	27.00	8.00	137.00	13
Ant_{2c}										
Ant_{3a}	B13 RRH 4x30	12.00	9.00	21.60		154.667	22.00			4,5
Ant_{3b}	SBNHH-1D65B	11.85	7.09	72.87		154.25	27.00	8.00	137.00	6
Ant_{3c}										
Ant_{4a}	LPA 80080/6CF-EDIN	13.20	5.50	70.90		153.5	35.00	16.00	137.00	7,8
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff	RC3DC-3315-PF-48	15.73	10.30	28.93						
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1		
2		
3		
4		
5		
6		
7		
8		

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

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

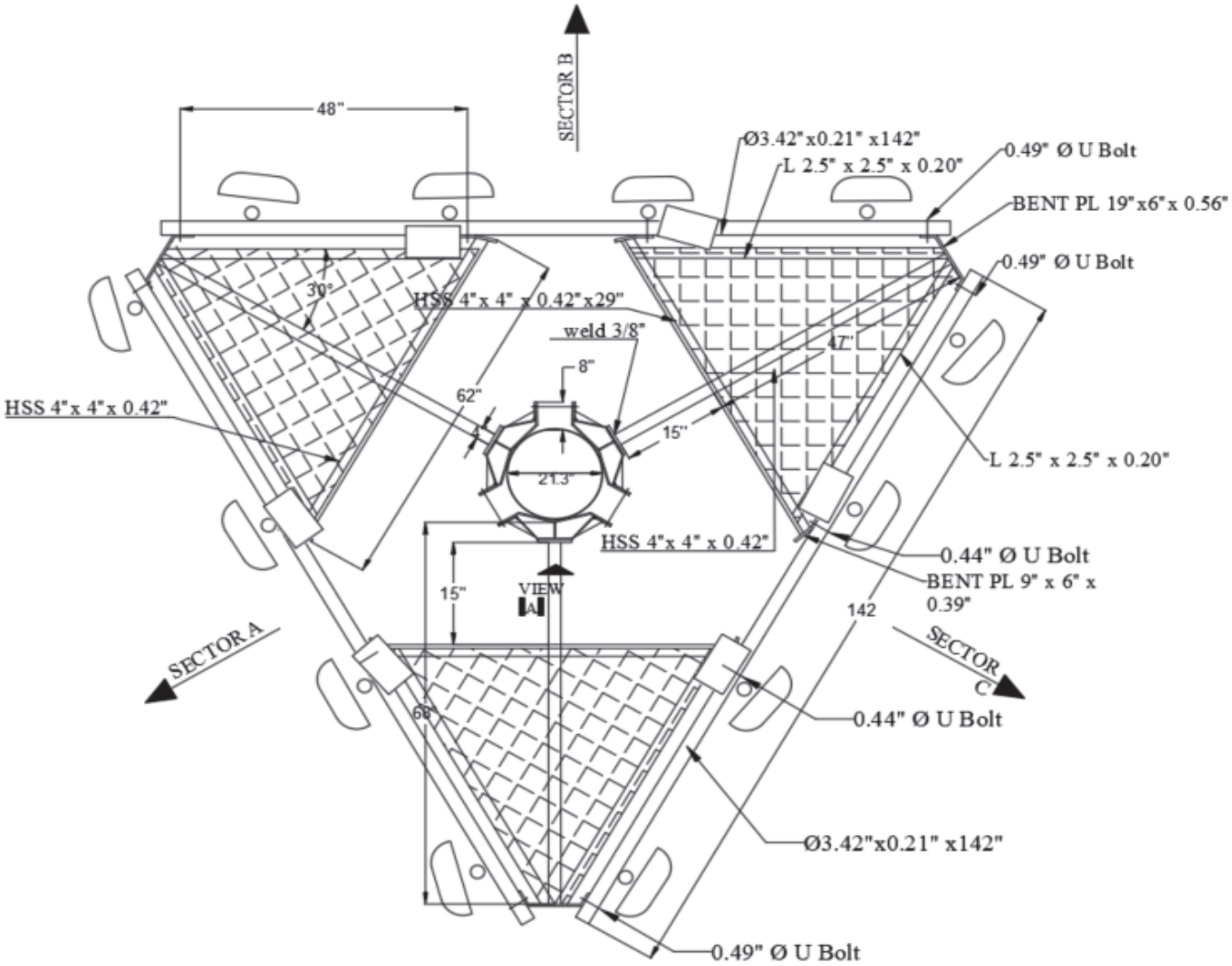
PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

FCC # N/A

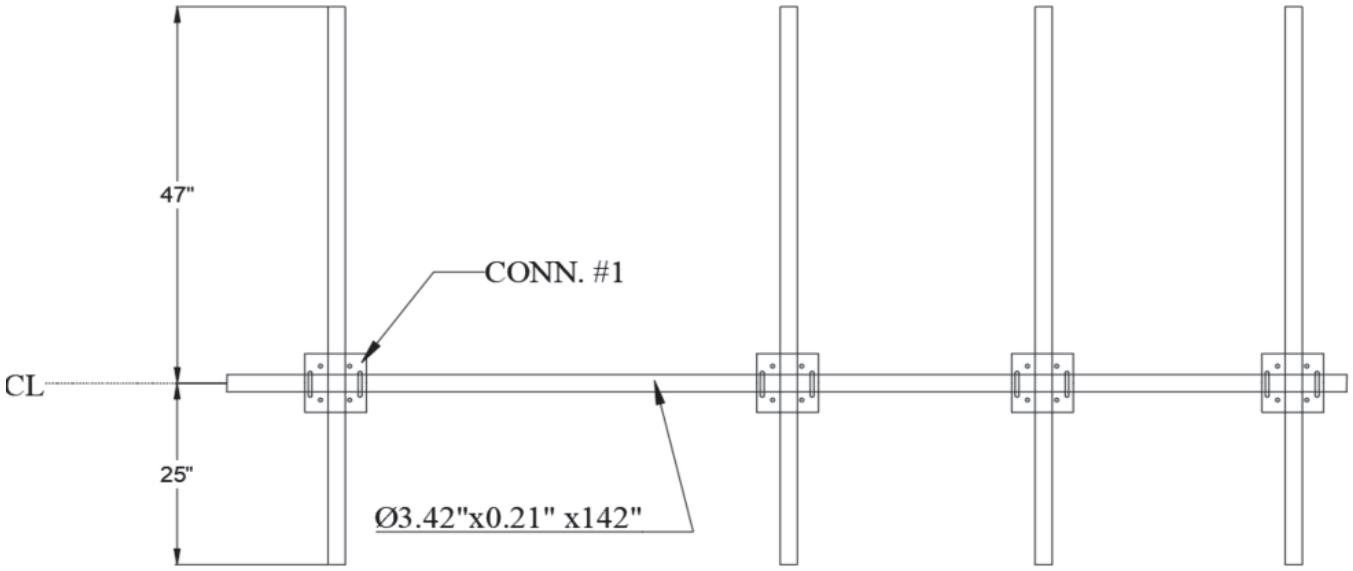
Tower Owner:	Other	**Mapping Date:**	3/26/2021
Site Name:	SUFFIELD 4 CT	**Tower Type:**	Self Support
Site Number or ID:	PSLC535835	**Tower Height (Ft.):**	N/A
Mapping Contractor:	Roaming Networks Inc.	**Mount Elevation (Ft.):**	152.5

Please Insert Sketches of the Antenna Mount

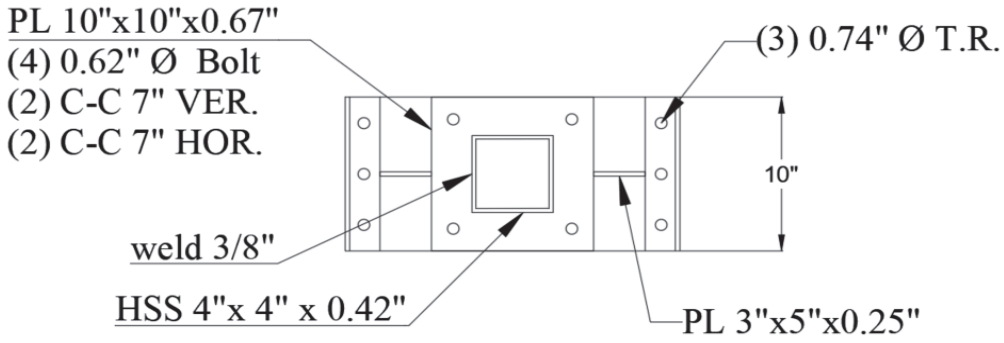


ANTENNA
PLAN VIEW

Please Insert Sketches of the Antenna Mount, cont'd



SECTOR A SECTOR B SECTOR C



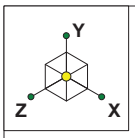
VIEW "A"

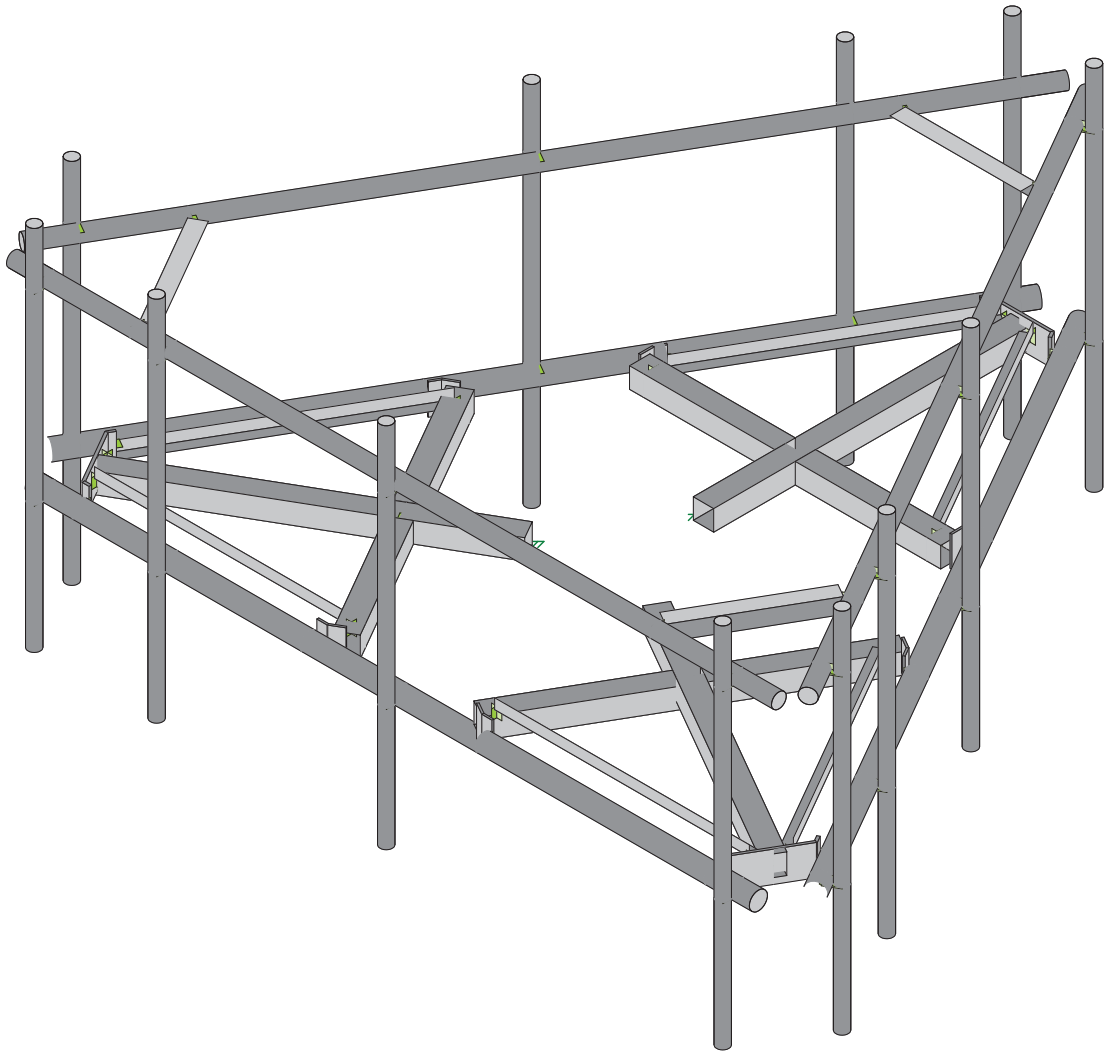
Please Insert Sketches of the Antenna Mount, cont'd

CONN.1

RAYCAP CONN. TO TOWER

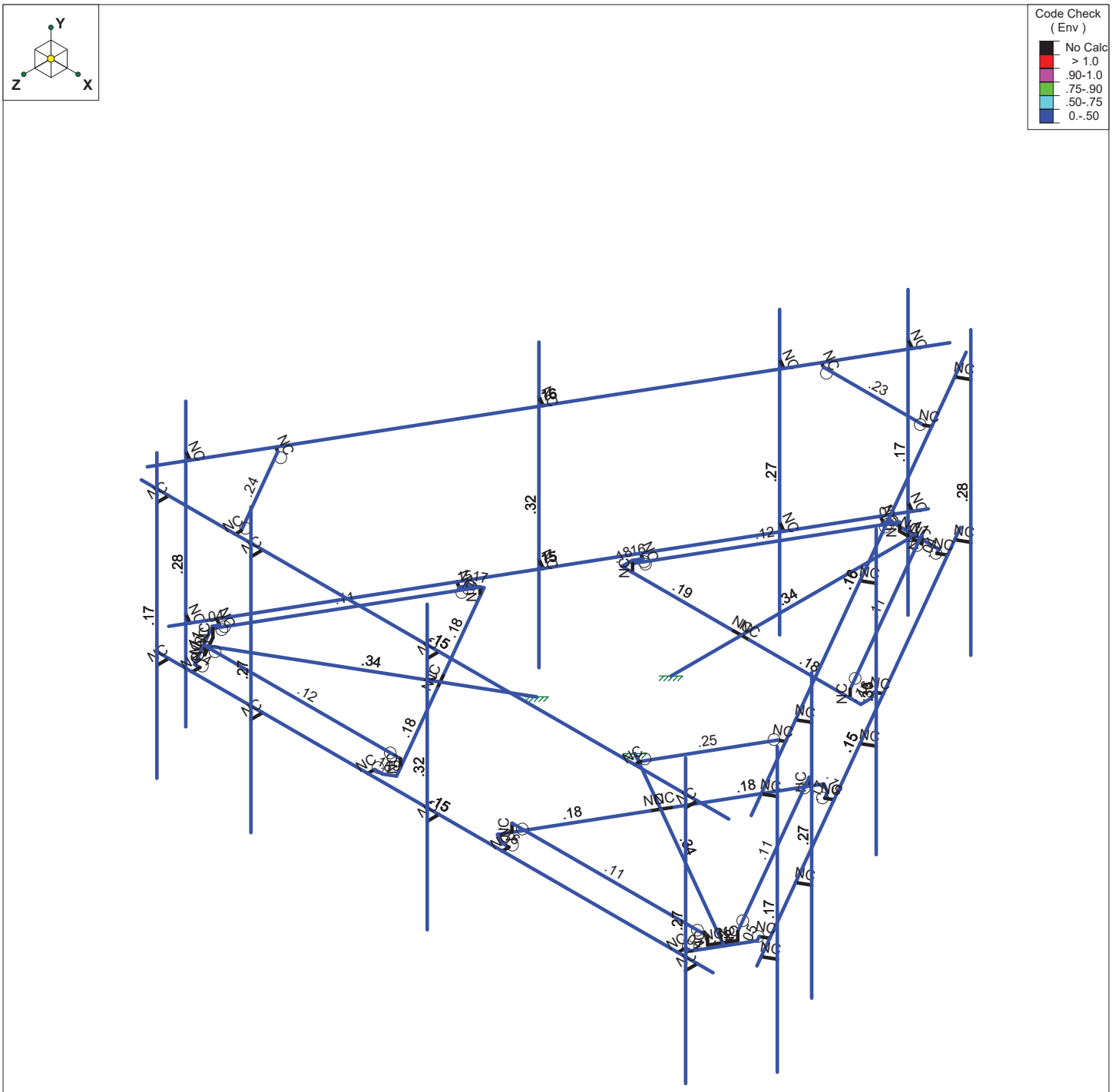
Please Insert Sketches of the Antenna Mount, cont'd





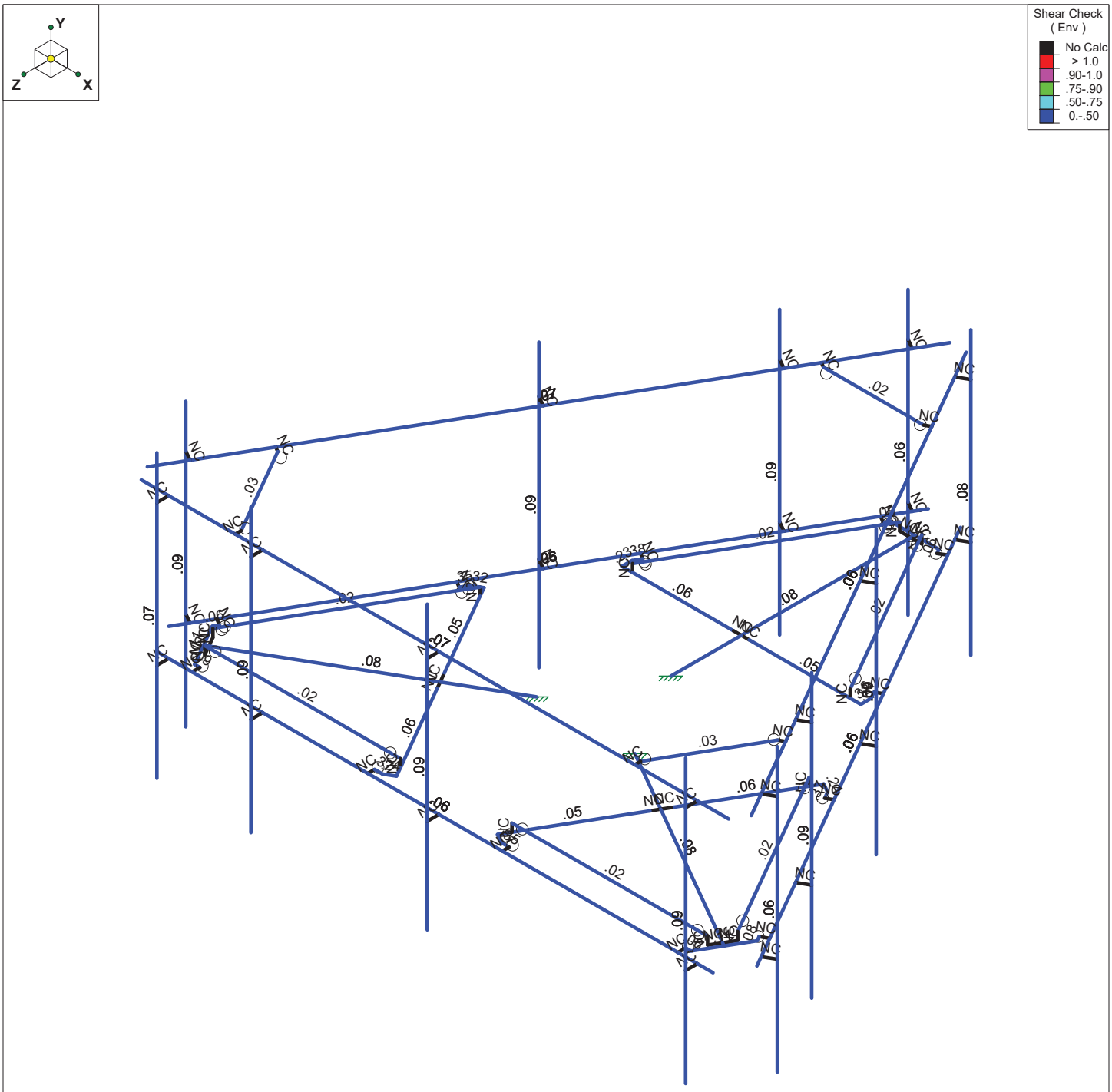
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 1
		Sept 15, 2021 at 1:49 PM
Project # 21777318A		535835-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 1
		Sept 15, 2021 at 2:33 PM
Project # 21777318A		535835-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 2
		Sept 15, 2021 at 2:34 PM
Project # 21777318A		535835-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu...	Area(Member)	Surface...
1	Antenna D	None					72			
2	Antenna Di	None					72			
3	Antenna Wo (0 Deg)	None					72			
4	Antenna Wo (30 Deg)	None					72			
5	Antenna Wo (60 Deg)	None					72			
6	Antenna Wo (90 Deg)	None					72			
7	Antenna Wo (120 Deg)	None					72			
8	Antenna Wo (150 Deg)	None					72			
9	Antenna Wo (180 Deg)	None					72			
10	Antenna Wo (210 Deg)	None					72			
11	Antenna Wo (240 Deg)	None					72			
12	Antenna Wo (270 Deg)	None					72			
13	Antenna Wo (300 Deg)	None					72			
14	Antenna Wo (330 Deg)	None					72			
15	Antenna Wi (0 Deg)	None					72			
16	Antenna Wi (30 Deg)	None					72			
17	Antenna Wi (60 Deg)	None					72			
18	Antenna Wi (90 Deg)	None					72			
19	Antenna Wi (120 Deg)	None					72			
20	Antenna Wi (150 Deg)	None					72			
21	Antenna Wi (180 Deg)	None					72			
22	Antenna Wi (210 Deg)	None					72			
23	Antenna Wi (240 Deg)	None					72			
24	Antenna Wi (270 Deg)	None					72			
25	Antenna Wi (300 Deg)	None					72			
26	Antenna Wi (330 Deg)	None					72			
27	Antenna Wm (0 Deg)	None					72			
28	Antenna Wm (30 Deg)	None					72			
29	Antenna Wm (60 Deg)	None					72			
30	Antenna Wm (90 Deg)	None					72			
31	Antenna Wm (120 Deg)	None					72			
32	Antenna Wm (150 Deg)	None					72			
33	Antenna Wm (180 Deg)	None					72			
34	Antenna Wm (210 Deg)	None					72			
35	Antenna Wm (240 Deg)	None					72			
36	Antenna Wm (270 Deg)	None					72			
37	Antenna Wm (300 Deg)	None					72			
38	Antenna Wm (330 Deg)	None					72			
39	Structure D	None		-1					3	
40	Structure Di	None						57	3	
41	Structure Wo (0 Deg)	None						114		
42	Structure Wo (30 Deg)	None						114		
43	Structure Wo (60 Deg)	None						114		
44	Structure Wo (90 Deg)	None						114		
45	Structure Wo (120 Deg)	None						114		
46	Structure Wo (150 Deg)	None						114		
47	Structure Wo (180 Deg)	None						114		
48	Structure Wo (210 Deg)	None						114		
49	Structure Wo (240 Deg)	None						114		
50	Structure Wo (270 Deg)	None						114		
51	Structure Wo (300 Deg)	None						114		

Basic Load Cases (Continued)

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

Load Combinations

	Description	So..	P...	SRSS	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1														
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0Wo (120 D...	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (150 D...	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (180 D...	Yes	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (210 D...	Yes	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (240 D...	Yes	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (270 D...	Yes	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (300 D...	Yes	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (330 D...	Yes	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1.0W ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0W ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0W ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0W ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	5.916667	0	3.810523	0	
2	N2	-5.916667	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	5.583333	0	3.810523	0	
8	N9	5.583333	0	4.060523	0	
9	N10	-5.666667	0	3.810523	0	
10	N11	-5.666667	0	4.060523	0	
11	N12	0.083333	0	3.810523	0	
12	N13	0.083333	0	4.060523	0	
13	N14	-3.666667	0	3.810523	0	
14	N15	-3.666667	0	4.060523	0	
15	N16	-3.666667	-2.083333	4.060523	0	
16	N17	-3.666667	3.916667	4.060523	0	
17	N18	-5.666667	-2.083333	4.060523	0	
18	N19	-5.666667	3.916667	4.060523	0	
19	N20	0.083333	-2	4.060523	0	
20	N21	0.083333	4	4.060523	0	
21	N22	5.583333	-2.083333	4.060523	0	
22	N23	5.583333	3.916667	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	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
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	
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	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
104	N104B	0.341677	0	-7.029245	0	
105	N105B	6.258343	0	3.218722	0	
106	N106A	0.508343	0	-6.74057	0	
107	N107A	0.72485	0	-6.86557	0	
108	N108A	6.133343	0	3.002216	0	
109	N109A	6.34985	0	2.877216	0	
110	N110A	3.258343	0	-1.97743	0	
111	N111A	3.47485	0	-2.10243	0	
112	N112A	5.133343	0	1.270165	0	
113	N113A	5.34985	0	1.145165	0	
114	N114A	5.34985	-2.083333	1.145165	0	
115	N115A	5.34985	3.916667	1.145165	0	
116	N116A	6.34985	-2.083333	2.877216	0	
117	N117A	6.34985	3.916667	2.877216	0	
118	N118A	3.47485	-2	-2.10243	0	
119	N119A	3.47485	4	-2.10243	0	
120	N120A	0.72485	-2.083333	-6.86557	0	
121	N121A	0.72485	3.916667	-6.86557	0	
122	N126A	-6.258343	0	3.218722	0	
123	N127A	-0.341677	0	-7.029245	0	
124	N128A	-6.091677	0	2.930047	0	
125	N129A	-6.308183	0	2.805047	0	
126	N130A	-0.466677	0	-6.812739	0	
127	N131B	-0.683183	0	-6.937739	0	
128	N132A	-3.341677	0	-1.833093	0	
129	N133A	-3.558183	0	-1.958093	0	
130	N134A	-1.466677	0	-5.080688	0	
131	N135B	-1.683183	0	-5.205688	0	
132	N136A	-1.683183	-2.083333	-5.205688	0	
133	N137A	-1.683183	3.916667	-5.205688	0	
134	N138A	-0.683183	-2.083333	-6.937739	0	
135	N139A	-0.683183	3.916667	-6.937739	0	
136	N140A	-3.558183	-2	-1.958093	0	
137	N141A	-3.558183	4	-1.958093	0	
138	N142A	-6.308183	-2.083333	2.805047	0	
139	N143	-6.308183	3.916667	2.805047	0	
140	N140B	6.25	3	3.810523	0	
141	N141B	-6.25	3	3.810523	0	
142	N142B	5.583333	3	3.810523	0	
143	N143A	5.583333	3	4.060523	0	
144	N144A	-5.666667	3	3.810523	0	
145	N145	-5.666667	3	4.060523	0	
146	N146	0.083333	3	3.810523	0	
147	N147	0.083333	3	4.060523	0	
148	N148A	-3.666667	3	3.810523	0	
149	N149	-3.666667	3	4.060523	0	
150	N150	0.508343	3	-6.74057	0	
151	N151	0.72485	3	-6.86557	0	
152	N152	6.133343	3	3.002216	0	
153	N153	6.34985	3	2.877216	0	
154	N154	3.258343	3	-1.97743	0	
155	N155	3.47485	3	-2.10243	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
156	N156	5.133343	3	1.270165	0	
157	N157	5.34985	3	1.145165	0	
158	N158	-6.091677	3	2.930047	0	
159	N159	-6.308183	3	2.805047	0	
160	N160	-0.466677	3	-6.812739	0	
161	N161	-0.683183	3	-6.937739	0	
162	N162	-3.341677	3	-1.833093	0	
163	N163	-3.558183	3	-1.958093	0	
164	N164	-1.466677	3	-5.080688	0	
165	N165	-1.683183	3	-5.205688	0	
166	N166	-4.25	3	3.810523	0	
167	N167	4.25	3	3.810523	0	
168	N168	0.17501	3	-7.31792	0	
169	N169	6.42501	3	3.507397	0	
170	N170	5.42501	3	1.775346	0	
171	N171	1.17501	3	-5.58587	0	
172	N172	-6.42501	3	3.507397	0	
173	N173	-0.17501	3	-7.31792	0	
174	N174	-1.17501	3	-5.58587	0	
175	N175	-5.42501	3	1.775346	0	
176	N176	-4.25	3	3.685523	0	
177	N178	4.25	3	3.685523	0	
178	N180	5.316757	3	1.837846	0	
179	N181	1.066757	3	-5.52337	0	
180	N184	-1.066757	3	-5.52337	0	
181	N185	-5.316757	3	1.837846	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.B Re...	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	HSS4X4X4	Beam	SquareTube	A500 Gr.B Re...	Typical	3.37	7.8	7.8	12.8
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	Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail Conection	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	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(de...	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 Horizontal	Beam	SquareTube	A500 Gr.B Re...	Typical
3	M10	N101	N103A			Platform Crossme...	Beam	SquareTube	A500 Gr.B Re...	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	M21	N12	N13			RIGID	None	None	RIGID	Typical
7	M22	N14	N15			RIGID	None	None	RIGID	Typical
8	MP3A	N17	N16			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
9	MP4A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	MP2A	N21	N20			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
12	M43	N102	N5			Platform Crossme...	Beam	SquareTube	A500 Gr.B Re...	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
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 Horizontal	Beam	SquareTube	A500 Gr.B Re...	Typical
35	M53	N95	N97			Platform Crossme...	Beam	SquareTube	A500 Gr.B Re...	Typical
36	M54	N96	N88B			Platform Crossme...	Beam	SquareTube	A500 Gr.B Re...	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

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
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 Horizontal	Beam	SquareTube	A500 Gr.B Re...	Typical
59	M77A	N123	N125			Platform Crossme...	Beam	SquareTube	A500 Gr.B Re...	Typical
60	M78	N124	N116			Platform Crossme...	Beam	SquareTube	A500 Gr.B Re...	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	M83B	N106A	N107A			RIGID	None	None	RIGID	Typical
84	M84B	N108A	N109A			RIGID	None	None	RIGID	Typical
85	M85B	N110A	N111A			RIGID	None	None	RIGID	Typical
86	M86A	N112A	N113A			RIGID	None	None	RIGID	Typical
87	MP3C	N115A	N114A		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	MP4C	N117A	N116A		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	MP2C	N119A	N118A		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	MP1C	N121A	N120A		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	M91B	N126A	N127A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
92	M92B	N128A	N129A			RIGID	None	None	RIGID	Typical
93	M93A	N130A	N131B			RIGID	None	None	RIGID	Typical
94	M94A	N132A	N133A			RIGID	None	None	RIGID	Typical
95	M95A	N134A	N135B			RIGID	None	None	RIGID	Typical
96	MP3B	N137A	N136A		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	MP4B	N139A	N138A		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	MP2B	N141A	N140A		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	MP1B	N143	N142A		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M100	N142B	N143A			RIGID	None	None	RIGID	Typical
101	M101	N144A	N145			RIGID	None	None	RIGID	Typical
102	M102	N146	N147			RIGID	None	None	RIGID	Typical
103	M103	N148A	N149			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
104	M104	N150	N151			RIGID	None	None	RIGID	Typical
105	M105	N152	N153			RIGID	None	None	RIGID	Typical
106	M106	N154	N155			RIGID	None	None	RIGID	Typical
107	M107	N156	N157			RIGID	None	None	RIGID	Typical
108	M108	N158	N159			RIGID	None	None	RIGID	Typical
109	M109	N160	N161			RIGID	None	None	RIGID	Typical
110	M110	N162	N163			RIGID	None	None	RIGID	Typical
111	M111	N164	N165			RIGID	None	None	RIGID	Typical
112	M112	N141B	N140B			Support Rail	Beam	Pipe	A53 Gr.B	Typical
113	M113	N169	N168			Support Rail	Beam	Pipe	A53 Gr.B	Typical
114	M114	N173	N172			Support Rail	Beam	Pipe	A53 Gr.B	Typical
115	M115	N166	N176			RIGID	None	None	RIGID	Typical
116	M116	N167	N178			RIGID	None	None	RIGID	Typical
117	M117	N170	N180			RIGID	None	None	RIGID	Typical
118	M118	N171	N181			RIGID	None	None	RIGID	Typical
119	M119	N174	N184			RIGID	None	None	RIGID	Typical
120	M120	N175	N185			RIGID	None	None	RIGID	Typical
121	M121	N176	N185		90	Support Rail Cone...	Beam	Single Angle	A36 Gr.36	Typical
122	M122	N180	N178		90	Support Rail Cone...	Beam	Single Angle	A36 Gr.36	Typical
123	M123	N184	N181		90	Support Rail Cone...	Beam	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	Default			None
2	M4						Yes				None
3	M10						Yes	Default			None
4	M19						Yes	** NA **			None
5	M20						Yes	** NA **			None
6	M21						Yes	** NA **			None
7	M22						Yes	** NA **			None
8	MP3A						Yes	** NA **			None
9	MP4A						Yes	** NA **			None
10	MP2A						Yes	** NA **			None
11	MP1A						Yes	** NA **			None
12	M43						Yes	Default			None
13	M46						Yes	Default			None
14	M35A						Yes	** NA **			None
15	M36A						Yes	** NA **			None
16	M51B	OOOOOX	OOOOOX				Yes	Default			None
17	M52B	OOOOOX	OOOOOX				Yes	Default			None
18	M52						Yes	** NA **			None
19	M58						Yes	** NA **			None
20	M59						Yes	** NA **			None
21	M76						Yes	** NA **			None
22	M77						Yes	** NA **			None
23	M79		BenPIN				Yes	** NA **			None
24	M80						Yes				None
25	M83		BenPIN				Yes	** NA **			None
26	M84						Yes	** NA **			None
27	M85						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
28	M88		BenPIN				Yes	** NA **			None
29	M91						Yes				None
30	M92		BenPIN				Yes	** NA **			None
31	M50						Yes	** NA **			None
32	M51						Yes	** NA **			None
33	M51A						Yes	** NA **			None
34	M52A						Yes				None
35	M53						Yes	Default			None
36	M54						Yes	Default			None
37	M55						Yes	Default			None
38	M56						Yes	** NA **			None
39	M57						Yes	** NA **			None
40	M58A	OOOOOX	OOOOOX				Yes	Default			None
41	M59A	OOOOOX	OOOOOX				Yes	Default			None
42	M60						Yes	** NA **			None
43	M61						Yes	** NA **			None
44	M62						Yes	** NA **			None
45	M63						Yes	** NA **			None
46	M64						Yes	** NA **			None
47	M65		BenPIN				Yes	** NA **			None
48	M66						Yes				None
49	M67		BenPIN				Yes	** NA **			None
50	M68						Yes	** NA **			None
51	M69						Yes	** NA **			None
52	M70		BenPIN				Yes	** NA **			None
53	M71						Yes				None
54	M72		BenPIN				Yes	** NA **			None
55	M73						Yes	** NA **			None
56	M74						Yes	** NA **			None
57	M75						Yes	** NA **			None
58	M76A						Yes				None
59	M77A						Yes	Default			None
60	M78						Yes	Default			None
61	M79A						Yes	Default			None
62	M80A						Yes	** NA **			None
63	M81						Yes	** NA **			None
64	M82	OOOOOX	OOOOOX				Yes	Default			None
65	M83A	OOOOOX	OOOOOX				Yes	Default			None
66	M84A						Yes	** NA **			None
67	M85A						Yes	** NA **			None
68	M86						Yes	** NA **			None
69	M87						Yes	** NA **			None
70	M88A						Yes	** NA **			None
71	M89		BenPIN				Yes	** NA **			None
72	M90						Yes				None
73	M91A		BenPIN				Yes	** NA **			None
74	M92A						Yes	** NA **			None
75	M93						Yes	** NA **			None
76	M94		BenPIN				Yes	** NA **			None
77	M95						Yes				None
78	M96		BenPIN				Yes	** NA **			None
79	M97						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
80	M98						Yes	** NA **			None
81	M99						Yes	** NA **			None
82	M82A						Yes	Default			None
83	M83B						Yes	** NA **			None
84	M84B						Yes	** NA **			None
85	M85B						Yes	** NA **			None
86	M86A						Yes	** NA **			None
87	MP3C						Yes	** NA **			None
88	MP4C						Yes	** NA **			None
89	MP2C						Yes	** NA **			None
90	MP1C						Yes	** NA **			None
91	M91B						Yes	Default			None
92	M92B						Yes	** NA **			None
93	M93A						Yes	** NA **			None
94	M94A						Yes	** NA **			None
95	M95A						Yes	** NA **			None
96	MP3B						Yes	** NA **			None
97	MP4B						Yes	** NA **			None
98	MP2B						Yes	** NA **			None
99	MP1B						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes				None
113	M113						Yes				None
114	M114						Yes				None
115	M115	OOOOOX					Yes	** NA **			None
116	M116	OOOOOX					Yes	** NA **			None
117	M117	OOOOOX					Yes	** NA **			None
118	M118	OOOOOX					Yes	** NA **			None
119	M119	OOOOOX					Yes	** NA **			None
120	M120	OOOOOX					Yes	** NA **			None
121	M121						Yes	Default			None
122	M122						Yes	Default			None
123	M123						Yes	Default			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-43.55	1.25
2	MP3A	My	-.022	1.25
3	MP3A	Mz	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3A	Y	-43.55	3.25
5	MP3A	My	-.022	3.25
6	MP3A	Mz	0	3.25
7	MP3B	Y	-43.55	1.25
8	MP3B	My	.014	1.25
9	MP3B	Mz	-.017	1.25
10	MP3B	Y	-43.55	3.25
11	MP3B	My	.014	3.25
12	MP3B	Mz	-.017	3.25
13	MP3C	Y	-43.55	1.25
14	MP3C	My	.007	1.25
15	MP3C	Mz	.02	1.25
16	MP3C	Y	-43.55	3.25
17	MP3C	My	.007	3.25
18	MP3C	Mz	.02	3.25
19	MP2A	Y	-74.7	2
20	MP2A	My	.037	2
21	MP2A	Mz	0	2
22	MP2B	Y	-74.7	2
23	MP2B	My	-.024	2
24	MP2B	Mz	.029	2
25	MP2C	Y	-74.7	2
26	MP2C	My	-.013	2
27	MP2C	Mz	-.035	2
28	MP1A	Y	-70.3	2
29	MP1A	My	.035	2
30	MP1A	Mz	0	2
31	MP1B	Y	-70.3	2
32	MP1B	My	-.023	2
33	MP1B	Mz	.027	2
34	MP1C	Y	-70.3	2
35	MP1C	My	-.012	2
36	MP1C	Mz	-.033	2
37	MP2A	Y	-20	.5
38	MP2A	My	-.01	.5
39	MP2A	Mz	-.012	.5
40	MP2A	Y	-20	4.5
41	MP2A	My	-.01	4.5
42	MP2A	Mz	-.012	4.5
43	MP2B	Y	-20	.5
44	MP2B	My	.015	.5
45	MP2B	Mz	-.000161	.5
46	MP2B	Y	-20	4.5
47	MP2B	My	.015	4.5
48	MP2B	Mz	-.000161	4.5
49	MP2C	Y	-20	.5
50	MP2C	My	-.008	.5
51	MP2C	Mz	.013	.5
52	MP2C	Y	-20	4.5
53	MP2C	My	-.008	4.5
54	MP2C	Mz	.013	4.5
55	MP2A	Y	-20	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
56	MP2A	My	-.01	.5
57	MP2A	Mz	.012	.5
58	MP2A	Y	-20	4.5
59	MP2A	My	-.01	4.5
60	MP2A	Mz	.012	4.5
61	MP2B	Y	-20	.5
62	MP2B	My	-.003	.5
63	MP2B	Mz	-.015	.5
64	MP2B	Y	-20	4.5
65	MP2B	My	-.003	4.5
66	MP2B	Mz	-.015	4.5
67	MP2C	Y	-20	.5
68	MP2C	My	.014	.5
69	MP2C	Mz	.005	.5
70	MP2C	Y	-20	4.5
71	MP2C	My	.014	4.5
72	MP2C	Mz	.005	4.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-57.095	1.25
2	MP3A	My	-.029	1.25
3	MP3A	Mz	0	1.25
4	MP3A	Y	-57.095	3.25
5	MP3A	My	-.029	3.25
6	MP3A	Mz	0	3.25
7	MP3B	Y	-57.095	1.25
8	MP3B	My	.018	1.25
9	MP3B	Mz	-.022	1.25
10	MP3B	Y	-57.095	3.25
11	MP3B	My	.018	3.25
12	MP3B	Mz	-.022	3.25
13	MP3C	Y	-57.095	1.25
14	MP3C	My	.01	1.25
15	MP3C	Mz	.027	1.25
16	MP3C	Y	-57.095	3.25
17	MP3C	My	.01	3.25
18	MP3C	Mz	.027	3.25
19	MP2A	Y	-72.583	2
20	MP2A	My	.036	2
21	MP2A	Mz	0	2
22	MP2B	Y	-72.583	2
23	MP2B	My	-.023	2
24	MP2B	Mz	.028	2
25	MP2C	Y	-72.583	2
26	MP2C	My	-.012	2
27	MP2C	Mz	-.034	2
28	MP1A	Y	-69.247	2
29	MP1A	My	.035	2
30	MP1A	Mz	0	2
31	MP1B	Y	-69.247	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP1B	My	-.022	2
33	MP1B	Mz	.027	2
34	MP1C	Y	-69.247	2
35	MP1C	My	-.012	2
36	MP1C	Mz	-.033	2
37	MP2A	Y	-97.451	.5
38	MP2A	My	-.049	.5
39	MP2A	Mz	-.057	.5
40	MP2A	Y	-97.451	4.5
41	MP2A	My	-.049	4.5
42	MP2A	Mz	-.057	4.5
43	MP2B	Y	-97.451	.5
44	MP2B	My	.075	.5
45	MP2B	Mz	-.000786	.5
46	MP2B	Y	-97.451	4.5
47	MP2B	My	.075	4.5
48	MP2B	Mz	-.000786	4.5
49	MP2C	Y	-97.451	.5
50	MP2C	My	-.037	.5
51	MP2C	Mz	.065	.5
52	MP2C	Y	-97.451	4.5
53	MP2C	My	-.037	4.5
54	MP2C	Mz	.065	4.5
55	MP2A	Y	-97.451	.5
56	MP2A	My	-.049	.5
57	MP2A	Mz	.057	.5
58	MP2A	Y	-97.451	4.5
59	MP2A	My	-.049	4.5
60	MP2A	Mz	.057	4.5
61	MP2B	Y	-97.451	.5
62	MP2B	My	-.012	.5
63	MP2B	Mz	-.074	.5
64	MP2B	Y	-97.451	4.5
65	MP2B	My	-.012	4.5
66	MP2B	Mz	-.074	4.5
67	MP2C	Y	-97.451	.5
68	MP2C	My	.07	.5
69	MP2C	Mz	.026	.5
70	MP2C	Y	-97.451	4.5
71	MP2C	My	.07	4.5
72	MP2C	Mz	.026	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	-76.662	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	-76.662	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	-49.287	1.25
9	MP3B	Mx	.019	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	-49.287	3.25
12	MP3B	Mx	.019	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	-35.47	1.25
15	MP3C	Mx	-.017	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	-35.47	3.25
18	MP3C	Mx	-.017	3.25
19	MP2A	X	0	2
20	MP2A	Z	-61.004	2
21	MP2A	Mx	0	2
22	MP2B	X	0	2
23	MP2B	Z	-49.135	2
24	MP2B	Mx	-.019	2
25	MP2C	X	0	2
26	MP2C	Z	-43.144	2
27	MP2C	Mx	.02	2
28	MP1A	X	0	2
29	MP1A	Z	-61.004	2
30	MP1A	Mx	0	2
31	MP1B	X	0	2
32	MP1B	Z	-46.981	2
33	MP1B	Mx	-.018	2
34	MP1C	X	0	2
35	MP1C	Z	-39.903	2
36	MP1C	Mx	.019	2
37	MP2A	X	0	.5
38	MP2A	Z	-133.099	.5
39	MP2A	Mx	.078	.5
40	MP2A	X	0	4.5
41	MP2A	Z	-133.099	4.5
42	MP2A	Mx	.078	4.5
43	MP2B	X	0	.5
44	MP2B	Z	-106.645	.5
45	MP2B	Mx	.00086	.5
46	MP2B	X	0	4.5
47	MP2B	Z	-106.645	4.5
48	MP2B	Mx	.00086	4.5
49	MP2C	X	0	.5
50	MP2C	Z	-93.293	.5
51	MP2C	Mx	-.062	.5
52	MP2C	X	0	4.5
53	MP2C	Z	-93.293	4.5
54	MP2C	Mx	-.062	4.5
55	MP2A	X	0	.5
56	MP2A	Z	-133.099	.5
57	MP2A	Mx	-.078	.5
58	MP2A	X	0	4.5
59	MP2A	Z	-133.099	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2A	Mx	-.078	4.5
61	MP2B	X	0	.5
62	MP2B	Z	-106.645	.5
63	MP2B	Mx	.081	.5
64	MP2B	X	0	4.5
65	MP2B	Z	-106.645	4.5
66	MP2B	Mx	.081	4.5
67	MP2C	X	0	.5
68	MP2C	Z	-93.293	.5
69	MP2C	Mx	-.025	.5
70	MP2C	X	0	4.5
71	MP2C	Z	-93.293	4.5
72	MP2C	Mx	-.025	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	32.5	1.25
2	MP3A	Z	-56.292	1.25
3	MP3A	Mx	-.016	1.25
4	MP3A	X	32.5	3.25
5	MP3A	Z	-56.292	3.25
6	MP3A	Mx	-.016	3.25
7	MP3B	X	15.71	1.25
8	MP3B	Z	-27.21	1.25
9	MP3B	Mx	.015	1.25
10	MP3B	X	15.71	3.25
11	MP3B	Z	-27.21	3.25
12	MP3B	Mx	.015	3.25
13	MP3C	X	28.694	1.25
14	MP3C	Z	-49.699	1.25
15	MP3C	Mx	-.018	1.25
16	MP3C	X	28.694	3.25
17	MP3C	Z	-49.699	3.25
18	MP3C	Mx	-.018	3.25
19	MP2A	X	27.974	2
20	MP2A	Z	-48.452	2
21	MP2A	Mx	.014	2
22	MP2B	X	20.694	2
23	MP2B	Z	-35.843	2
24	MP2B	Mx	-.02	2
25	MP2C	X	26.323	2
26	MP2C	Z	-45.593	2
27	MP2C	Mx	.017	2
28	MP1A	X	27.515	2
29	MP1A	Z	-47.657	2
30	MP1A	Mx	.014	2
31	MP1B	X	18.914	2
32	MP1B	Z	-32.76	2
33	MP1B	Mx	-.019	2
34	MP1C	X	25.565	2
35	MP1C	Z	-44.28	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP1C	Mx	.016	2
37	MP2A	X	60.914	.5
38	MP2A	Z	-105.507	.5
39	MP2A	Mx	.031	.5
40	MP2A	X	60.914	4.5
41	MP2A	Z	-105.507	4.5
42	MP2A	Mx	.031	4.5
43	MP2B	X	44.689	.5
44	MP2B	Z	-77.404	.5
45	MP2B	Mx	.035	.5
46	MP2B	X	44.689	4.5
47	MP2B	Z	-77.404	4.5
48	MP2B	Mx	.035	4.5
49	MP2C	X	57.237	.5
50	MP2C	Z	-99.137	.5
51	MP2C	Mx	-.088	.5
52	MP2C	X	57.237	4.5
53	MP2C	Z	-99.137	4.5
54	MP2C	Mx	-.088	4.5
55	MP2A	X	60.914	.5
56	MP2A	Z	-105.507	.5
57	MP2A	Mx	-.092	.5
58	MP2A	X	60.914	4.5
59	MP2A	Z	-105.507	4.5
60	MP2A	Mx	-.092	4.5
61	MP2B	X	44.689	.5
62	MP2B	Z	-77.404	.5
63	MP2B	Mx	.053	.5
64	MP2B	X	44.689	4.5
65	MP2B	Z	-77.404	4.5
66	MP2B	Mx	.053	4.5
67	MP2C	X	57.237	.5
68	MP2C	Z	-99.137	.5
69	MP2C	Mx	.014	.5
70	MP2C	X	57.237	4.5
71	MP2C	Z	-99.137	4.5
72	MP2C	Mx	.014	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	36.092	1.25
2	MP3A	Z	-20.838	1.25
3	MP3A	Mx	-.018	1.25
4	MP3A	X	36.092	3.25
5	MP3A	Z	-20.838	3.25
6	MP3A	Mx	-.018	3.25
7	MP3B	X	30.718	1.25
8	MP3B	Z	-17.735	1.25
9	MP3B	Mx	.017	1.25
10	MP3B	X	30.718	3.25
11	MP3B	Z	-17.735	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	.017	3.25
13	MP3C	X	65.173	1.25
14	MP3C	Z	-37.628	1.25
15	MP3C	Mx	-.007	1.25
16	MP3C	X	65.173	3.25
17	MP3C	Z	-37.628	3.25
18	MP3C	Mx	-.007	3.25
19	MP2A	X	39.694	2
20	MP2A	Z	-22.917	2
21	MP2A	Mx	.02	2
22	MP2B	X	37.364	2
23	MP2B	Z	-21.572	2
24	MP2B	Mx	-.02	2
25	MP2C	X	52.303	2
26	MP2C	Z	-30.197	2
27	MP2C	Mx	.005	2
28	MP1A	X	37.31	2
29	MP1A	Z	-21.541	2
30	MP1A	Mx	.019	2
31	MP1B	X	34.557	2
32	MP1B	Z	-19.952	2
33	MP1B	Mx	-.019	2
34	MP1C	X	52.207	2
35	MP1C	Z	-30.142	2
36	MP1C	Mx	.005	2
37	MP2A	X	85.987	.5
38	MP2A	Z	-49.645	.5
39	MP2A	Mx	-.014	.5
40	MP2A	X	85.987	4.5
41	MP2A	Z	-49.645	4.5
42	MP2A	Mx	-.014	4.5
43	MP2B	X	80.794	.5
44	MP2B	Z	-46.646	.5
45	MP2B	Mx	.062	.5
46	MP2B	X	80.794	4.5
47	MP2B	Z	-46.646	4.5
48	MP2B	Mx	.062	4.5
49	MP2C	X	114.09	.5
50	MP2C	Z	-65.87	.5
51	MP2C	Mx	-.087	.5
52	MP2C	X	114.09	4.5
53	MP2C	Z	-65.87	4.5
54	MP2C	Mx	-.087	4.5
55	MP2A	X	85.987	.5
56	MP2A	Z	-49.645	.5
57	MP2A	Mx	-.072	.5
58	MP2A	X	85.987	4.5
59	MP2A	Z	-49.645	4.5
60	MP2A	Mx	-.072	4.5
61	MP2B	X	80.794	.5
62	MP2B	Z	-46.646	.5
63	MP2B	Mx	.025	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP2B	X	80.794	4.5
65	MP2B	Z	-46.646	4.5
66	MP2B	Mx	.025	4.5
67	MP2C	X	114.09	.5
68	MP2C	Z	-65.87	.5
69	MP2C	Mx	.064	.5
70	MP2C	X	114.09	4.5
71	MP2C	Z	-65.87	4.5
72	MP2C	Mx	.064	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	30.013	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	-.015	1.25
4	MP3A	X	30.013	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	-.015	3.25
7	MP3B	X	57.388	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	.018	1.25
10	MP3B	X	57.388	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	.018	3.25
13	MP3C	X	71.205	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	.012	1.25
16	MP3C	X	71.205	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	.012	3.25
19	MP2A	X	40.778	2
20	MP2A	Z	0	2
21	MP2A	Mx	.02	2
22	MP2B	X	52.647	2
23	MP2B	Z	0	2
24	MP2B	Mx	-.017	2
25	MP2C	X	58.638	2
26	MP2C	Z	0	2
27	MP2C	Mx	-.01	2
28	MP1A	X	37.108	2
29	MP1A	Z	0	2
30	MP1A	Mx	.019	2
31	MP1B	X	51.13	2
32	MP1B	Z	0	2
33	MP1B	Mx	-.016	2
34	MP1C	X	58.208	2
35	MP1C	Z	0	2
36	MP1C	Mx	-.01	2
37	MP2A	X	88.019	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	-.044	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	88.019	4.5
41	MP2A	Z	0	4.5
42	MP2A	Mx	-.044	4.5
43	MP2B	X	114.473	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	.088	.5
46	MP2B	X	114.473	4.5
47	MP2B	Z	0	4.5
48	MP2B	Mx	.088	4.5
49	MP2C	X	127.826	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	-.048	.5
52	MP2C	X	127.826	4.5
53	MP2C	Z	0	4.5
54	MP2C	Mx	-.048	4.5
55	MP2A	X	88.019	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	-.044	.5
58	MP2A	X	88.019	4.5
59	MP2A	Z	0	4.5
60	MP2A	Mx	-.044	4.5
61	MP2B	X	114.473	.5
62	MP2B	Z	0	.5
63	MP2B	Mx	-.014	.5
64	MP2B	X	114.473	4.5
65	MP2B	Z	0	4.5
66	MP2B	Mx	-.014	4.5
67	MP2C	X	127.826	.5
68	MP2C	Z	0	.5
69	MP2C	Mx	.092	.5
70	MP2C	X	127.826	4.5
71	MP2C	Z	0	4.5
72	MP2C	Mx	.092	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	36.092	1.25
2	MP3A	Z	20.838	1.25
3	MP3A	Mx	-.018	1.25
4	MP3A	X	36.092	3.25
5	MP3A	Z	20.838	3.25
6	MP3A	Mx	-.018	3.25
7	MP3B	X	65.173	1.25
8	MP3B	Z	37.628	1.25
9	MP3B	Mx	.007	1.25
10	MP3B	X	65.173	3.25
11	MP3B	Z	37.628	3.25
12	MP3B	Mx	.007	3.25
13	MP3C	X	42.684	1.25
14	MP3C	Z	24.644	1.25
15	MP3C	Mx	.019	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3C	X	42.684	3.25
17	MP3C	Z	24.644	3.25
18	MP3C	Mx	.019	3.25
19	MP2A	X	39.694	2
20	MP2A	Z	22.917	2
21	MP2A	Mx	.02	2
22	MP2B	X	52.303	2
23	MP2B	Z	30.197	2
24	MP2B	Mx	-.005	2
25	MP2C	X	42.552	2
26	MP2C	Z	24.567	2
27	MP2C	Mx	-.019	2
28	MP1A	X	37.31	2
29	MP1A	Z	21.541	2
30	MP1A	Mx	.019	2
31	MP1B	X	52.207	2
32	MP1B	Z	30.142	2
33	MP1B	Mx	-.005	2
34	MP1C	X	40.687	2
35	MP1C	Z	23.491	2
36	MP1C	Mx	-.018	2
37	MP2A	X	85.987	.5
38	MP2A	Z	49.645	.5
39	MP2A	Mx	-.072	.5
40	MP2A	X	85.987	4.5
41	MP2A	Z	49.645	4.5
42	MP2A	Mx	-.072	4.5
43	MP2B	X	114.09	.5
44	MP2B	Z	65.87	.5
45	MP2B	Mx	.087	.5
46	MP2B	X	114.09	4.5
47	MP2B	Z	65.87	4.5
48	MP2B	Mx	.087	4.5
49	MP2C	X	92.357	.5
50	MP2C	Z	53.323	.5
51	MP2C	Mx	.00086	.5
52	MP2C	X	92.357	4.5
53	MP2C	Z	53.323	4.5
54	MP2C	Mx	.00086	4.5
55	MP2A	X	85.987	.5
56	MP2A	Z	49.645	.5
57	MP2A	Mx	-.014	.5
58	MP2A	X	85.987	4.5
59	MP2A	Z	49.645	4.5
60	MP2A	Mx	-.014	4.5
61	MP2B	X	114.09	.5
62	MP2B	Z	65.87	.5
63	MP2B	Mx	-.064	.5
64	MP2B	X	114.09	4.5
65	MP2B	Z	65.87	4.5
66	MP2B	Mx	-.064	4.5
67	MP2C	X	92.357	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2C	Z	53.323	.5
69	MP2C	Mx	.081	.5
70	MP2C	X	92.357	4.5
71	MP2C	Z	53.323	4.5
72	MP2C	Mx	.081	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	32.5	1.25
2	MP3A	Z	56.292	1.25
3	MP3A	Mx	-.016	1.25
4	MP3A	X	32.5	3.25
5	MP3A	Z	56.292	3.25
6	MP3A	Mx	-.016	3.25
7	MP3B	X	35.603	1.25
8	MP3B	Z	61.666	1.25
9	MP3B	Mx	-.012	1.25
10	MP3B	X	35.603	3.25
11	MP3B	Z	61.666	3.25
12	MP3B	Mx	-.012	3.25
13	MP3C	X	15.71	1.25
14	MP3C	Z	27.21	1.25
15	MP3C	Mx	.015	1.25
16	MP3C	X	15.71	3.25
17	MP3C	Z	27.21	3.25
18	MP3C	Mx	.015	3.25
19	MP2A	X	27.974	2
20	MP2A	Z	48.452	2
21	MP2A	Mx	.014	2
22	MP2B	X	29.319	2
23	MP2B	Z	50.782	2
24	MP2B	Mx	.01	2
25	MP2C	X	20.694	2
26	MP2C	Z	35.843	2
27	MP2C	Mx	-.02	2
28	MP1A	X	27.515	2
29	MP1A	Z	47.657	2
30	MP1A	Mx	.014	2
31	MP1B	X	29.104	2
32	MP1B	Z	50.41	2
33	MP1B	Mx	.01	2
34	MP1C	X	18.914	2
35	MP1C	Z	32.76	2
36	MP1C	Mx	-.019	2
37	MP2A	X	60.914	.5
38	MP2A	Z	105.507	.5
39	MP2A	Mx	-.092	.5
40	MP2A	X	60.914	4.5
41	MP2A	Z	105.507	4.5
42	MP2A	Mx	-.092	4.5
43	MP2B	X	63.913	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP2B	Z	110.7	.5
45	MP2B	Mx	.048	.5
46	MP2B	X	63.913	4.5
47	MP2B	Z	110.7	4.5
48	MP2B	Mx	.048	4.5
49	MP2C	X	44.689	.5
50	MP2C	Z	77.404	.5
51	MP2C	Mx	.035	.5
52	MP2C	X	44.689	4.5
53	MP2C	Z	77.404	4.5
54	MP2C	Mx	.035	4.5
55	MP2A	X	60.914	.5
56	MP2A	Z	105.507	.5
57	MP2A	Mx	.031	.5
58	MP2A	X	60.914	4.5
59	MP2A	Z	105.507	4.5
60	MP2A	Mx	.031	4.5
61	MP2B	X	63.913	.5
62	MP2B	Z	110.7	.5
63	MP2B	Mx	-.092	.5
64	MP2B	X	63.913	4.5
65	MP2B	Z	110.7	4.5
66	MP2B	Mx	-.092	4.5
67	MP2C	X	44.689	.5
68	MP2C	Z	77.404	.5
69	MP2C	Mx	.053	.5
70	MP2C	X	44.689	4.5
71	MP2C	Z	77.404	4.5
72	MP2C	Mx	.053	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	76.662	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	76.662	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	49.287	1.25
9	MP3B	Mx	-.019	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	49.287	3.25
12	MP3B	Mx	-.019	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	35.47	1.25
15	MP3C	Mx	.017	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	35.47	3.25
18	MP3C	Mx	.017	3.25
19	MP2A	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2A	Z	61.004	2
21	MP2A	Mx	0	2
22	MP2B	X	0	2
23	MP2B	Z	49.135	2
24	MP2B	Mx	.019	2
25	MP2C	X	0	2
26	MP2C	Z	43.144	2
27	MP2C	Mx	-.02	2
28	MP1A	X	0	2
29	MP1A	Z	61.004	2
30	MP1A	Mx	0	2
31	MP1B	X	0	2
32	MP1B	Z	46.981	2
33	MP1B	Mx	.018	2
34	MP1C	X	0	2
35	MP1C	Z	39.903	2
36	MP1C	Mx	-.019	2
37	MP2A	X	0	.5
38	MP2A	Z	133.099	.5
39	MP2A	Mx	-.078	.5
40	MP2A	X	0	4.5
41	MP2A	Z	133.099	4.5
42	MP2A	Mx	-.078	4.5
43	MP2B	X	0	.5
44	MP2B	Z	106.645	.5
45	MP2B	Mx	-.00086	.5
46	MP2B	X	0	4.5
47	MP2B	Z	106.645	4.5
48	MP2B	Mx	-.00086	4.5
49	MP2C	X	0	.5
50	MP2C	Z	93.293	.5
51	MP2C	Mx	.062	.5
52	MP2C	X	0	4.5
53	MP2C	Z	93.293	4.5
54	MP2C	Mx	.062	4.5
55	MP2A	X	0	.5
56	MP2A	Z	133.099	.5
57	MP2A	Mx	.078	.5
58	MP2A	X	0	4.5
59	MP2A	Z	133.099	4.5
60	MP2A	Mx	.078	4.5
61	MP2B	X	0	.5
62	MP2B	Z	106.645	.5
63	MP2B	Mx	-.081	.5
64	MP2B	X	0	4.5
65	MP2B	Z	106.645	4.5
66	MP2B	Mx	-.081	4.5
67	MP2C	X	0	.5
68	MP2C	Z	93.293	.5
69	MP2C	Mx	.025	.5
70	MP2C	X	0	4.5
71	MP2C	Z	93.293	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	.025	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-32.5	1.25
2	MP3A	Z	56.292	1.25
3	MP3A	Mx	.016	1.25
4	MP3A	X	-32.5	3.25
5	MP3A	Z	56.292	3.25
6	MP3A	Mx	.016	3.25
7	MP3B	X	-15.71	1.25
8	MP3B	Z	27.21	1.25
9	MP3B	Mx	-.015	1.25
10	MP3B	X	-15.71	3.25
11	MP3B	Z	27.21	3.25
12	MP3B	Mx	-.015	3.25
13	MP3C	X	-28.694	1.25
14	MP3C	Z	49.699	1.25
15	MP3C	Mx	.018	1.25
16	MP3C	X	-28.694	3.25
17	MP3C	Z	49.699	3.25
18	MP3C	Mx	.018	3.25
19	MP2A	X	-27.974	2
20	MP2A	Z	48.452	2
21	MP2A	Mx	-.014	2
22	MP2B	X	-20.694	2
23	MP2B	Z	35.843	2
24	MP2B	Mx	.02	2
25	MP2C	X	-26.323	2
26	MP2C	Z	45.593	2
27	MP2C	Mx	-.017	2
28	MP1A	X	-27.515	2
29	MP1A	Z	47.657	2
30	MP1A	Mx	-.014	2
31	MP1B	X	-18.914	2
32	MP1B	Z	32.76	2
33	MP1B	Mx	.019	2
34	MP1C	X	-25.565	2
35	MP1C	Z	44.28	2
36	MP1C	Mx	-.016	2
37	MP2A	X	-60.914	.5
38	MP2A	Z	105.507	.5
39	MP2A	Mx	-.031	.5
40	MP2A	X	-60.914	4.5
41	MP2A	Z	105.507	4.5
42	MP2A	Mx	-.031	4.5
43	MP2B	X	-44.689	.5
44	MP2B	Z	77.404	.5
45	MP2B	Mx	-.035	.5
46	MP2B	X	-44.689	4.5
47	MP2B	Z	77.404	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	-.035	4.5
49	MP2C	X	-57.237	.5
50	MP2C	Z	99.137	.5
51	MP2C	Mx	.088	.5
52	MP2C	X	-57.237	4.5
53	MP2C	Z	99.137	4.5
54	MP2C	Mx	.088	4.5
55	MP2A	X	-60.914	.5
56	MP2A	Z	105.507	.5
57	MP2A	Mx	.092	.5
58	MP2A	X	-60.914	4.5
59	MP2A	Z	105.507	4.5
60	MP2A	Mx	.092	4.5
61	MP2B	X	-44.689	.5
62	MP2B	Z	77.404	.5
63	MP2B	Mx	-.053	.5
64	MP2B	X	-44.689	4.5
65	MP2B	Z	77.404	4.5
66	MP2B	Mx	-.053	4.5
67	MP2C	X	-57.237	.5
68	MP2C	Z	99.137	.5
69	MP2C	Mx	-.014	.5
70	MP2C	X	-57.237	4.5
71	MP2C	Z	99.137	4.5
72	MP2C	Mx	-.014	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-36.092	1.25
2	MP3A	Z	20.838	1.25
3	MP3A	Mx	.018	1.25
4	MP3A	X	-36.092	3.25
5	MP3A	Z	20.838	3.25
6	MP3A	Mx	.018	3.25
7	MP3B	X	-30.718	1.25
8	MP3B	Z	17.735	1.25
9	MP3B	Mx	-.017	1.25
10	MP3B	X	-30.718	3.25
11	MP3B	Z	17.735	3.25
12	MP3B	Mx	-.017	3.25
13	MP3C	X	-65.173	1.25
14	MP3C	Z	37.628	1.25
15	MP3C	Mx	.007	1.25
16	MP3C	X	-65.173	3.25
17	MP3C	Z	37.628	3.25
18	MP3C	Mx	.007	3.25
19	MP2A	X	-39.694	2
20	MP2A	Z	22.917	2
21	MP2A	Mx	-.02	2
22	MP2B	X	-37.364	2
23	MP2B	Z	21.572	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2B	Mx	.02	2
25	MP2C	X	-52.303	2
26	MP2C	Z	30.197	2
27	MP2C	Mx	-.005	2
28	MP1A	X	-37.31	2
29	MP1A	Z	21.541	2
30	MP1A	Mx	-.019	2
31	MP1B	X	-34.557	2
32	MP1B	Z	19.952	2
33	MP1B	Mx	.019	2
34	MP1C	X	-52.207	2
35	MP1C	Z	30.142	2
36	MP1C	Mx	-.005	2
37	MP2A	X	-85.987	.5
38	MP2A	Z	49.645	.5
39	MP2A	Mx	.014	.5
40	MP2A	X	-85.987	4.5
41	MP2A	Z	49.645	4.5
42	MP2A	Mx	.014	4.5
43	MP2B	X	-80.794	.5
44	MP2B	Z	46.646	.5
45	MP2B	Mx	-.062	.5
46	MP2B	X	-80.794	4.5
47	MP2B	Z	46.646	4.5
48	MP2B	Mx	-.062	4.5
49	MP2C	X	-114.09	.5
50	MP2C	Z	65.87	.5
51	MP2C	Mx	.087	.5
52	MP2C	X	-114.09	4.5
53	MP2C	Z	65.87	4.5
54	MP2C	Mx	.087	4.5
55	MP2A	X	-85.987	.5
56	MP2A	Z	49.645	.5
57	MP2A	Mx	.072	.5
58	MP2A	X	-85.987	4.5
59	MP2A	Z	49.645	4.5
60	MP2A	Mx	.072	4.5
61	MP2B	X	-80.794	.5
62	MP2B	Z	46.646	.5
63	MP2B	Mx	-.025	.5
64	MP2B	X	-80.794	4.5
65	MP2B	Z	46.646	4.5
66	MP2B	Mx	-.025	4.5
67	MP2C	X	-114.09	.5
68	MP2C	Z	65.87	.5
69	MP2C	Mx	-.064	.5
70	MP2C	X	-114.09	4.5
71	MP2C	Z	65.87	4.5
72	MP2C	Mx	-.064	4.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-30.013	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	.015	1.25
4	MP3A	X	-30.013	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	.015	3.25
7	MP3B	X	-57.388	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	-.018	1.25
10	MP3B	X	-57.388	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	-.018	3.25
13	MP3C	X	-71.205	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	-.012	1.25
16	MP3C	X	-71.205	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	-.012	3.25
19	MP2A	X	-40.778	2
20	MP2A	Z	0	2
21	MP2A	Mx	-.02	2
22	MP2B	X	-52.647	2
23	MP2B	Z	0	2
24	MP2B	Mx	.017	2
25	MP2C	X	-58.638	2
26	MP2C	Z	0	2
27	MP2C	Mx	.01	2
28	MP1A	X	-37.108	2
29	MP1A	Z	0	2
30	MP1A	Mx	-.019	2
31	MP1B	X	-51.13	2
32	MP1B	Z	0	2
33	MP1B	Mx	.016	2
34	MP1C	X	-58.208	2
35	MP1C	Z	0	2
36	MP1C	Mx	.01	2
37	MP2A	X	-88.019	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.044	.5
40	MP2A	X	-88.019	4.5
41	MP2A	Z	0	4.5
42	MP2A	Mx	.044	4.5
43	MP2B	X	-114.473	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	-.088	.5
46	MP2B	X	-114.473	4.5
47	MP2B	Z	0	4.5
48	MP2B	Mx	-.088	4.5
49	MP2C	X	-127.826	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	.048	.5
52	MP2C	X	-127.826	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	0	4.5
54	MP2C	Mx	.048	4.5
55	MP2A	X	-88.019	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	.044	.5
58	MP2A	X	-88.019	4.5
59	MP2A	Z	0	4.5
60	MP2A	Mx	.044	4.5
61	MP2B	X	-114.473	.5
62	MP2B	Z	0	.5
63	MP2B	Mx	.014	.5
64	MP2B	X	-114.473	4.5
65	MP2B	Z	0	4.5
66	MP2B	Mx	.014	4.5
67	MP2C	X	-127.826	.5
68	MP2C	Z	0	.5
69	MP2C	Mx	-.092	.5
70	MP2C	X	-127.826	4.5
71	MP2C	Z	0	4.5
72	MP2C	Mx	-.092	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-36.092	1.25
2	MP3A	Z	-20.838	1.25
3	MP3A	Mx	.018	1.25
4	MP3A	X	-36.092	3.25
5	MP3A	Z	-20.838	3.25
6	MP3A	Mx	.018	3.25
7	MP3B	X	-65.173	1.25
8	MP3B	Z	-37.628	1.25
9	MP3B	Mx	-.007	1.25
10	MP3B	X	-65.173	3.25
11	MP3B	Z	-37.628	3.25
12	MP3B	Mx	-.007	3.25
13	MP3C	X	-42.684	1.25
14	MP3C	Z	-24.644	1.25
15	MP3C	Mx	-.019	1.25
16	MP3C	X	-42.684	3.25
17	MP3C	Z	-24.644	3.25
18	MP3C	Mx	-.019	3.25
19	MP2A	X	-39.694	2
20	MP2A	Z	-22.917	2
21	MP2A	Mx	-.02	2
22	MP2B	X	-52.303	2
23	MP2B	Z	-30.197	2
24	MP2B	Mx	.005	2
25	MP2C	X	-42.552	2
26	MP2C	Z	-24.567	2
27	MP2C	Mx	.019	2
28	MP1A	X	-37.31	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP1A	Z	-21.541	2
30	MP1A	Mx	-.019	2
31	MP1B	X	-52.207	2
32	MP1B	Z	-30.142	2
33	MP1B	Mx	.005	2
34	MP1C	X	-40.687	2
35	MP1C	Z	-23.491	2
36	MP1C	Mx	.018	2
37	MP2A	X	-85.987	.5
38	MP2A	Z	-49.645	.5
39	MP2A	Mx	.072	.5
40	MP2A	X	-85.987	4.5
41	MP2A	Z	-49.645	4.5
42	MP2A	Mx	.072	4.5
43	MP2B	X	-114.09	.5
44	MP2B	Z	-65.87	.5
45	MP2B	Mx	-.087	.5
46	MP2B	X	-114.09	4.5
47	MP2B	Z	-65.87	4.5
48	MP2B	Mx	-.087	4.5
49	MP2C	X	-92.357	.5
50	MP2C	Z	-53.323	.5
51	MP2C	Mx	-.00086	.5
52	MP2C	X	-92.357	4.5
53	MP2C	Z	-53.323	4.5
54	MP2C	Mx	-.00086	4.5
55	MP2A	X	-85.987	.5
56	MP2A	Z	-49.645	.5
57	MP2A	Mx	.014	.5
58	MP2A	X	-85.987	4.5
59	MP2A	Z	-49.645	4.5
60	MP2A	Mx	.014	4.5
61	MP2B	X	-114.09	.5
62	MP2B	Z	-65.87	.5
63	MP2B	Mx	.064	.5
64	MP2B	X	-114.09	4.5
65	MP2B	Z	-65.87	4.5
66	MP2B	Mx	.064	4.5
67	MP2C	X	-92.357	.5
68	MP2C	Z	-53.323	.5
69	MP2C	Mx	-.081	.5
70	MP2C	X	-92.357	4.5
71	MP2C	Z	-53.323	4.5
72	MP2C	Mx	-.081	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-32.5	1.25
2	MP3A	Z	-56.292	1.25
3	MP3A	Mx	.016	1.25
4	MP3A	X	-32.5	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP3A	Z	-56.292	3.25
6	MP3A	Mx	.016	3.25
7	MP3B	X	-35.603	1.25
8	MP3B	Z	-61.666	1.25
9	MP3B	Mx	.012	1.25
10	MP3B	X	-35.603	3.25
11	MP3B	Z	-61.666	3.25
12	MP3B	Mx	.012	3.25
13	MP3C	X	-15.71	1.25
14	MP3C	Z	-27.21	1.25
15	MP3C	Mx	-.015	1.25
16	MP3C	X	-15.71	3.25
17	MP3C	Z	-27.21	3.25
18	MP3C	Mx	-.015	3.25
19	MP2A	X	-27.974	2
20	MP2A	Z	-48.452	2
21	MP2A	Mx	-.014	2
22	MP2B	X	-29.319	2
23	MP2B	Z	-50.782	2
24	MP2B	Mx	-.01	2
25	MP2C	X	-20.694	2
26	MP2C	Z	-35.843	2
27	MP2C	Mx	.02	2
28	MP1A	X	-27.515	2
29	MP1A	Z	-47.657	2
30	MP1A	Mx	-.014	2
31	MP1B	X	-29.104	2
32	MP1B	Z	-50.41	2
33	MP1B	Mx	-.01	2
34	MP1C	X	-18.914	2
35	MP1C	Z	-32.76	2
36	MP1C	Mx	.019	2
37	MP2A	X	-60.914	.5
38	MP2A	Z	-105.507	.5
39	MP2A	Mx	.092	.5
40	MP2A	X	-60.914	4.5
41	MP2A	Z	-105.507	4.5
42	MP2A	Mx	.092	4.5
43	MP2B	X	-63.913	.5
44	MP2B	Z	-110.7	.5
45	MP2B	Mx	-.048	.5
46	MP2B	X	-63.913	4.5
47	MP2B	Z	-110.7	4.5
48	MP2B	Mx	-.048	4.5
49	MP2C	X	-44.689	.5
50	MP2C	Z	-77.404	.5
51	MP2C	Mx	-.035	.5
52	MP2C	X	-44.689	4.5
53	MP2C	Z	-77.404	4.5
54	MP2C	Mx	-.035	4.5
55	MP2A	X	-60.914	.5
56	MP2A	Z	-105.507	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP2A	Mx	-.031	.5
58	MP2A	X	-60.914	4.5
59	MP2A	Z	-105.507	4.5
60	MP2A	Mx	-.031	4.5
61	MP2B	X	-63.913	.5
62	MP2B	Z	-110.7	.5
63	MP2B	Mx	.092	.5
64	MP2B	X	-63.913	4.5
65	MP2B	Z	-110.7	4.5
66	MP2B	Mx	.092	4.5
67	MP2C	X	-44.689	.5
68	MP2C	Z	-77.404	.5
69	MP2C	Mx	-.053	.5
70	MP2C	X	-44.689	4.5
71	MP2C	Z	-77.404	4.5
72	MP2C	Mx	-.053	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	-17.086	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	-17.086	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	-11.517	1.25
9	MP3B	Mx	.004	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	-11.517	3.25
12	MP3B	Mx	.004	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	-8.707	1.25
15	MP3C	Mx	-.004	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	-8.707	3.25
18	MP3C	Mx	-.004	3.25
19	MP2A	X	0	2
20	MP2A	Z	-14.811	2
21	MP2A	Mx	0	2
22	MP2B	X	0	2
23	MP2B	Z	-12.287	2
24	MP2B	Mx	-.005	2
25	MP2C	X	0	2
26	MP2C	Z	-11.012	2
27	MP2C	Mx	.005	2
28	MP1A	X	0	2
29	MP1A	Z	-14.811	2
30	MP1A	Mx	0	2
31	MP1B	X	0	2
32	MP1B	Z	-11.832	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP1B	Mx	-.005	2
34	MP1C	X	0	2
35	MP1C	Z	-10.328	2
36	MP1C	Mx	.005	2
37	MP2A	X	0	.5
38	MP2A	Z	-28.672	.5
39	MP2A	Mx	.017	.5
40	MP2A	X	0	4.5
41	MP2A	Z	-28.672	4.5
42	MP2A	Mx	.017	4.5
43	MP2B	X	0	.5
44	MP2B	Z	-23.683	.5
45	MP2B	Mx	.000191	.5
46	MP2B	X	0	4.5
47	MP2B	Z	-23.683	4.5
48	MP2B	Mx	.000191	4.5
49	MP2C	X	0	.5
50	MP2C	Z	-21.165	.5
51	MP2C	Mx	-.014	.5
52	MP2C	X	0	4.5
53	MP2C	Z	-21.165	4.5
54	MP2C	Mx	-.014	4.5
55	MP2A	X	0	.5
56	MP2A	Z	-28.672	.5
57	MP2A	Mx	-.017	.5
58	MP2A	X	0	4.5
59	MP2A	Z	-28.672	4.5
60	MP2A	Mx	-.017	4.5
61	MP2B	X	0	.5
62	MP2B	Z	-23.683	.5
63	MP2B	Mx	.018	.5
64	MP2B	X	0	4.5
65	MP2B	Z	-23.683	4.5
66	MP2B	Mx	.018	4.5
67	MP2C	X	0	.5
68	MP2C	Z	-21.165	.5
69	MP2C	Mx	-.006	.5
70	MP2C	X	0	4.5
71	MP2C	Z	-21.165	4.5
72	MP2C	Mx	-.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.357	1.25
2	MP3A	Z	-12.742	1.25
3	MP3A	Mx	-.004	1.25
4	MP3A	X	7.357	3.25
5	MP3A	Z	-12.742	3.25
6	MP3A	Mx	-.004	3.25
7	MP3B	X	3.941	1.25
8	MP3B	Z	-6.827	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.004	1.25
10	MP3B	X	3.941	3.25
11	MP3B	Z	-6.827	3.25
12	MP3B	Mx	.004	3.25
13	MP3C	X	6.583	1.25
14	MP3C	Z	-11.401	1.25
15	MP3C	Mx	-.004	1.25
16	MP3C	X	6.583	3.25
17	MP3C	Z	-11.401	3.25
18	MP3C	Mx	-.004	3.25
19	MP2A	X	6.868	2
20	MP2A	Z	-11.896	2
21	MP2A	Mx	.003	2
22	MP2B	X	5.319	2
23	MP2B	Z	-9.213	2
24	MP2B	Mx	-.005	2
25	MP2C	X	6.517	2
26	MP2C	Z	-11.288	2
27	MP2C	Mx	.004	2
28	MP1A	X	6.771	2
29	MP1A	Z	-11.728	2
30	MP1A	Mx	.003	2
31	MP1B	X	4.944	2
32	MP1B	Z	-8.563	2
33	MP1B	Mx	-.005	2
34	MP1C	X	6.357	2
35	MP1C	Z	-11.01	2
36	MP1C	Mx	.004	2
37	MP2A	X	13.273	.5
38	MP2A	Z	-22.99	.5
39	MP2A	Mx	.007	.5
40	MP2A	X	13.273	4.5
41	MP2A	Z	-22.99	4.5
42	MP2A	Mx	.007	4.5
43	MP2B	X	10.214	.5
44	MP2B	Z	-17.69	.5
45	MP2B	Mx	.008	.5
46	MP2B	X	10.214	4.5
47	MP2B	Z	-17.69	4.5
48	MP2B	Mx	.008	4.5
49	MP2C	X	12.58	.5
50	MP2C	Z	-21.789	.5
51	MP2C	Mx	-.019	.5
52	MP2C	X	12.58	4.5
53	MP2C	Z	-21.789	4.5
54	MP2C	Mx	-.019	4.5
55	MP2A	X	13.273	.5
56	MP2A	Z	-22.99	.5
57	MP2A	Mx	-.02	.5
58	MP2A	X	13.273	4.5
59	MP2A	Z	-22.99	4.5
60	MP2A	Mx	-.02	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2B	X	10.214	.5
62	MP2B	Z	-17.69	.5
63	MP2B	Mx	.012	.5
64	MP2B	X	10.214	4.5
65	MP2B	Z	-17.69	4.5
66	MP2B	Mx	.012	4.5
67	MP2C	X	12.58	.5
68	MP2C	Z	-21.789	.5
69	MP2C	Mx	.003	.5
70	MP2C	X	12.58	4.5
71	MP2C	Z	-21.789	4.5
72	MP2C	Mx	.003	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	8.633	1.25
2	MP3A	Z	-4.985	1.25
3	MP3A	Mx	-.004	1.25
4	MP3A	X	8.633	3.25
5	MP3A	Z	-4.985	3.25
6	MP3A	Mx	-.004	3.25
7	MP3B	X	7.54	1.25
8	MP3B	Z	-4.353	1.25
9	MP3B	Mx	.004	1.25
10	MP3B	X	7.54	3.25
11	MP3B	Z	-4.353	3.25
12	MP3B	Mx	.004	3.25
13	MP3C	X	14.549	1.25
14	MP3C	Z	-8.4	1.25
15	MP3C	Mx	-.001	1.25
16	MP3C	X	14.549	3.25
17	MP3C	Z	-8.4	3.25
18	MP3C	Mx	-.001	3.25
19	MP2A	X	10.032	2
20	MP2A	Z	-5.792	2
21	MP2A	Mx	.005	2
22	MP2B	X	9.537	2
23	MP2B	Z	-5.506	2
24	MP2B	Mx	-.005	2
25	MP2C	X	12.715	2
26	MP2C	Z	-7.341	2
27	MP2C	Mx	.001	2
28	MP1A	X	9.529	2
29	MP1A	Z	-5.502	2
30	MP1A	Mx	.005	2
31	MP1B	X	8.944	2
32	MP1B	Z	-5.164	2
33	MP1B	Mx	-.005	2
34	MP1C	X	12.695	2
35	MP1C	Z	-7.329	2
36	MP1C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP2A	X	19.309	.5
38	MP2A	Z	-11.148	.5
39	MP2A	Mx	-.003	.5
40	MP2A	X	19.309	4.5
41	MP2A	Z	-11.148	4.5
42	MP2A	Mx	-.003	4.5
43	MP2B	X	18.33	.5
44	MP2B	Z	-10.583	.5
45	MP2B	Mx	.014	.5
46	MP2B	X	18.33	4.5
47	MP2B	Z	-10.583	4.5
48	MP2B	Mx	.014	4.5
49	MP2C	X	24.608	.5
50	MP2C	Z	-14.208	.5
51	MP2C	Mx	-.019	.5
52	MP2C	X	24.608	4.5
53	MP2C	Z	-14.208	4.5
54	MP2C	Mx	-.019	4.5
55	MP2A	X	19.309	.5
56	MP2A	Z	-11.148	.5
57	MP2A	Mx	-.016	.5
58	MP2A	X	19.309	4.5
59	MP2A	Z	-11.148	4.5
60	MP2A	Mx	-.016	4.5
61	MP2B	X	18.33	.5
62	MP2B	Z	-10.583	.5
63	MP2B	Mx	.006	.5
64	MP2B	X	18.33	4.5
65	MP2B	Z	-10.583	4.5
66	MP2B	Mx	.006	4.5
67	MP2C	X	24.608	.5
68	MP2C	Z	-14.208	.5
69	MP2C	Mx	.014	.5
70	MP2C	X	24.608	4.5
71	MP2C	Z	-14.208	4.5
72	MP2C	Mx	.014	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.597	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	-.004	1.25
4	MP3A	X	7.597	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	-.004	3.25
7	MP3B	X	13.165	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	.004	1.25
10	MP3B	X	13.165	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	.004	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3C	X	15.976	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	.003	1.25
16	MP3C	X	15.976	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	.003	3.25
19	MP2A	X	10.509	2
20	MP2A	Z	0	2
21	MP2A	Mx	.005	2
22	MP2B	X	13.034	2
23	MP2B	Z	0	2
24	MP2B	Mx	-.004	2
25	MP2C	X	14.308	2
26	MP2C	Z	0	2
27	MP2C	Mx	-.002	2
28	MP1A	X	9.734	2
29	MP1A	Z	0	2
30	MP1A	Mx	.005	2
31	MP1B	X	12.714	2
32	MP1B	Z	0	2
33	MP1B	Mx	-.004	2
34	MP1C	X	14.218	2
35	MP1C	Z	0	2
36	MP1C	Mx	-.002	2
37	MP2A	X	20.171	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	-.01	.5
40	MP2A	X	20.171	4.5
41	MP2A	Z	0	4.5
42	MP2A	Mx	-.01	4.5
43	MP2B	X	25.159	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	.019	.5
46	MP2B	X	25.159	4.5
47	MP2B	Z	0	4.5
48	MP2B	Mx	.019	4.5
49	MP2C	X	27.677	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	-.01	.5
52	MP2C	X	27.677	4.5
53	MP2C	Z	0	4.5
54	MP2C	Mx	-.01	4.5
55	MP2A	X	20.171	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	-.01	.5
58	MP2A	X	20.171	4.5
59	MP2A	Z	0	4.5
60	MP2A	Mx	-.01	4.5
61	MP2B	X	25.159	.5
62	MP2B	Z	0	.5
63	MP2B	Mx	-.003	.5
64	MP2B	X	25.159	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2B	Z	0	4.5
66	MP2B	Mx	-.003	4.5
67	MP2C	X	27.677	.5
68	MP2C	Z	0	.5
69	MP2C	Mx	.02	.5
70	MP2C	X	27.677	4.5
71	MP2C	Z	0	4.5
72	MP2C	Mx	.02	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	8.633	1.25
2	MP3A	Z	4.985	1.25
3	MP3A	Mx	-.004	1.25
4	MP3A	X	8.633	3.25
5	MP3A	Z	4.985	3.25
6	MP3A	Mx	-.004	3.25
7	MP3B	X	14.549	1.25
8	MP3B	Z	8.4	1.25
9	MP3B	Mx	.001	1.25
10	MP3B	X	14.549	3.25
11	MP3B	Z	8.4	3.25
12	MP3B	Mx	.001	3.25
13	MP3C	X	9.974	1.25
14	MP3C	Z	5.759	1.25
15	MP3C	Mx	.004	1.25
16	MP3C	X	9.974	3.25
17	MP3C	Z	5.759	3.25
18	MP3C	Mx	.004	3.25
19	MP2A	X	10.032	2
20	MP2A	Z	5.792	2
21	MP2A	Mx	.005	2
22	MP2B	X	12.715	2
23	MP2B	Z	7.341	2
24	MP2B	Mx	-.001	2
25	MP2C	X	10.64	2
26	MP2C	Z	6.143	2
27	MP2C	Mx	-.005	2
28	MP1A	X	9.529	2
29	MP1A	Z	5.502	2
30	MP1A	Mx	.005	2
31	MP1B	X	12.695	2
32	MP1B	Z	7.329	2
33	MP1B	Mx	-.001	2
34	MP1C	X	10.247	2
35	MP1C	Z	5.916	2
36	MP1C	Mx	-.005	2
37	MP2A	X	19.309	.5
38	MP2A	Z	11.148	.5
39	MP2A	Mx	-.016	.5
40	MP2A	X	19.309	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP2A	Z	11.148	4.5
42	MP2A	Mx	-.016	4.5
43	MP2B	X	24.608	.5
44	MP2B	Z	14.208	.5
45	MP2B	Mx	.019	.5
46	MP2B	X	24.608	4.5
47	MP2B	Z	14.208	4.5
48	MP2B	Mx	.019	4.5
49	MP2C	X	20.51	.5
50	MP2C	Z	11.842	.5
51	MP2C	Mx	.000191	.5
52	MP2C	X	20.51	4.5
53	MP2C	Z	11.842	4.5
54	MP2C	Mx	.000191	4.5
55	MP2A	X	19.309	.5
56	MP2A	Z	11.148	.5
57	MP2A	Mx	-.003	.5
58	MP2A	X	19.309	4.5
59	MP2A	Z	11.148	4.5
60	MP2A	Mx	-.003	4.5
61	MP2B	X	24.608	.5
62	MP2B	Z	14.208	.5
63	MP2B	Mx	-.014	.5
64	MP2B	X	24.608	4.5
65	MP2B	Z	14.208	4.5
66	MP2B	Mx	-.014	4.5
67	MP2C	X	20.51	.5
68	MP2C	Z	11.842	.5
69	MP2C	Mx	.018	.5
70	MP2C	X	20.51	4.5
71	MP2C	Z	11.842	4.5
72	MP2C	Mx	.018	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.357	1.25
2	MP3A	Z	12.742	1.25
3	MP3A	Mx	-.004	1.25
4	MP3A	X	7.357	3.25
5	MP3A	Z	12.742	3.25
6	MP3A	Mx	-.004	3.25
7	MP3B	X	7.988	1.25
8	MP3B	Z	13.835	1.25
9	MP3B	Mx	-.003	1.25
10	MP3B	X	7.988	3.25
11	MP3B	Z	13.835	3.25
12	MP3B	Mx	-.003	3.25
13	MP3C	X	3.941	1.25
14	MP3C	Z	6.827	1.25
15	MP3C	Mx	.004	1.25
16	MP3C	X	3.941	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	6.827	3.25
18	MP3C	Mx	.004	3.25
19	MP2A	X	6.868	2
20	MP2A	Z	11.896	2
21	MP2A	Mx	.003	2
22	MP2B	X	7.154	2
23	MP2B	Z	12.391	2
24	MP2B	Mx	.002	2
25	MP2C	X	5.319	2
26	MP2C	Z	9.213	2
27	MP2C	Mx	-.005	2
28	MP1A	X	6.771	2
29	MP1A	Z	11.728	2
30	MP1A	Mx	.003	2
31	MP1B	X	7.109	2
32	MP1B	Z	12.313	2
33	MP1B	Mx	.002	2
34	MP1C	X	4.944	2
35	MP1C	Z	8.563	2
36	MP1C	Mx	-.005	2
37	MP2A	X	13.273	.5
38	MP2A	Z	22.99	.5
39	MP2A	Mx	-.02	.5
40	MP2A	X	13.273	4.5
41	MP2A	Z	22.99	4.5
42	MP2A	Mx	-.02	4.5
43	MP2B	X	13.839	.5
44	MP2B	Z	23.969	.5
45	MP2B	Mx	.01	.5
46	MP2B	X	13.839	4.5
47	MP2B	Z	23.969	4.5
48	MP2B	Mx	.01	4.5
49	MP2C	X	10.214	.5
50	MP2C	Z	17.69	.5
51	MP2C	Mx	.008	.5
52	MP2C	X	10.214	4.5
53	MP2C	Z	17.69	4.5
54	MP2C	Mx	.008	4.5
55	MP2A	X	13.273	.5
56	MP2A	Z	22.99	.5
57	MP2A	Mx	.007	.5
58	MP2A	X	13.273	4.5
59	MP2A	Z	22.99	4.5
60	MP2A	Mx	.007	4.5
61	MP2B	X	13.839	.5
62	MP2B	Z	23.969	.5
63	MP2B	Mx	-.02	.5
64	MP2B	X	13.839	4.5
65	MP2B	Z	23.969	4.5
66	MP2B	Mx	-.02	4.5
67	MP2C	X	10.214	.5
68	MP2C	Z	17.69	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2C	Mx	.012	.5
70	MP2C	X	10.214	4.5
71	MP2C	Z	17.69	4.5
72	MP2C	Mx	.012	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	17.086	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	17.086	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	11.517	1.25
9	MP3B	Mx	-.004	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	11.517	3.25
12	MP3B	Mx	-.004	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	8.707	1.25
15	MP3C	Mx	.004	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	8.707	3.25
18	MP3C	Mx	.004	3.25
19	MP2A	X	0	2
20	MP2A	Z	14.811	2
21	MP2A	Mx	0	2
22	MP2B	X	0	2
23	MP2B	Z	12.287	2
24	MP2B	Mx	.005	2
25	MP2C	X	0	2
26	MP2C	Z	11.012	2
27	MP2C	Mx	-.005	2
28	MP1A	X	0	2
29	MP1A	Z	14.811	2
30	MP1A	Mx	0	2
31	MP1B	X	0	2
32	MP1B	Z	11.832	2
33	MP1B	Mx	.005	2
34	MP1C	X	0	2
35	MP1C	Z	10.328	2
36	MP1C	Mx	-.005	2
37	MP2A	X	0	.5
38	MP2A	Z	28.672	.5
39	MP2A	Mx	-.017	.5
40	MP2A	X	0	4.5
41	MP2A	Z	28.672	4.5
42	MP2A	Mx	-.017	4.5
43	MP2B	X	0	.5
44	MP2B	Z	23.683	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP2B	Mx	-.000191	.5
46	MP2B	X	0	4.5
47	MP2B	Z	23.683	4.5
48	MP2B	Mx	-.000191	4.5
49	MP2C	X	0	.5
50	MP2C	Z	21.165	.5
51	MP2C	Mx	.014	.5
52	MP2C	X	0	4.5
53	MP2C	Z	21.165	4.5
54	MP2C	Mx	.014	4.5
55	MP2A	X	0	.5
56	MP2A	Z	28.672	.5
57	MP2A	Mx	.017	.5
58	MP2A	X	0	4.5
59	MP2A	Z	28.672	4.5
60	MP2A	Mx	.017	4.5
61	MP2B	X	0	.5
62	MP2B	Z	23.683	.5
63	MP2B	Mx	-.018	.5
64	MP2B	X	0	4.5
65	MP2B	Z	23.683	4.5
66	MP2B	Mx	-.018	4.5
67	MP2C	X	0	.5
68	MP2C	Z	21.165	.5
69	MP2C	Mx	.006	.5
70	MP2C	X	0	4.5
71	MP2C	Z	21.165	4.5
72	MP2C	Mx	.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.357	1.25
2	MP3A	Z	12.742	1.25
3	MP3A	Mx	.004	1.25
4	MP3A	X	-7.357	3.25
5	MP3A	Z	12.742	3.25
6	MP3A	Mx	.004	3.25
7	MP3B	X	-3.941	1.25
8	MP3B	Z	6.827	1.25
9	MP3B	Mx	-.004	1.25
10	MP3B	X	-3.941	3.25
11	MP3B	Z	6.827	3.25
12	MP3B	Mx	-.004	3.25
13	MP3C	X	-6.583	1.25
14	MP3C	Z	11.401	1.25
15	MP3C	Mx	.004	1.25
16	MP3C	X	-6.583	3.25
17	MP3C	Z	11.401	3.25
18	MP3C	Mx	.004	3.25
19	MP2A	X	-6.868	2
20	MP2A	Z	11.896	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2A	Mx	-.003	2
22	MP2B	X	-5.319	2
23	MP2B	Z	9.213	2
24	MP2B	Mx	.005	2
25	MP2C	X	-6.517	2
26	MP2C	Z	11.288	2
27	MP2C	Mx	-.004	2
28	MP1A	X	-6.771	2
29	MP1A	Z	11.728	2
30	MP1A	Mx	-.003	2
31	MP1B	X	-4.944	2
32	MP1B	Z	8.563	2
33	MP1B	Mx	.005	2
34	MP1C	X	-6.357	2
35	MP1C	Z	11.01	2
36	MP1C	Mx	-.004	2
37	MP2A	X	-13.273	.5
38	MP2A	Z	22.99	.5
39	MP2A	Mx	-.007	.5
40	MP2A	X	-13.273	4.5
41	MP2A	Z	22.99	4.5
42	MP2A	Mx	-.007	4.5
43	MP2B	X	-10.214	.5
44	MP2B	Z	17.69	.5
45	MP2B	Mx	-.008	.5
46	MP2B	X	-10.214	4.5
47	MP2B	Z	17.69	4.5
48	MP2B	Mx	-.008	4.5
49	MP2C	X	-12.58	.5
50	MP2C	Z	21.789	.5
51	MP2C	Mx	.019	.5
52	MP2C	X	-12.58	4.5
53	MP2C	Z	21.789	4.5
54	MP2C	Mx	.019	4.5
55	MP2A	X	-13.273	.5
56	MP2A	Z	22.99	.5
57	MP2A	Mx	.02	.5
58	MP2A	X	-13.273	4.5
59	MP2A	Z	22.99	4.5
60	MP2A	Mx	.02	4.5
61	MP2B	X	-10.214	.5
62	MP2B	Z	17.69	.5
63	MP2B	Mx	-.012	.5
64	MP2B	X	-10.214	4.5
65	MP2B	Z	17.69	4.5
66	MP2B	Mx	-.012	4.5
67	MP2C	X	-12.58	.5
68	MP2C	Z	21.789	.5
69	MP2C	Mx	-.003	.5
70	MP2C	X	-12.58	4.5
71	MP2C	Z	21.789	4.5
72	MP2C	Mx	-.003	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-8.633	1.25
2	MP3A	Z	4.985	1.25
3	MP3A	Mx	.004	1.25
4	MP3A	X	-8.633	3.25
5	MP3A	Z	4.985	3.25
6	MP3A	Mx	.004	3.25
7	MP3B	X	-7.54	1.25
8	MP3B	Z	4.353	1.25
9	MP3B	Mx	-.004	1.25
10	MP3B	X	-7.54	3.25
11	MP3B	Z	4.353	3.25
12	MP3B	Mx	-.004	3.25
13	MP3C	X	-14.549	1.25
14	MP3C	Z	8.4	1.25
15	MP3C	Mx	.001	1.25
16	MP3C	X	-14.549	3.25
17	MP3C	Z	8.4	3.25
18	MP3C	Mx	.001	3.25
19	MP2A	X	-10.032	2
20	MP2A	Z	5.792	2
21	MP2A	Mx	-.005	2
22	MP2B	X	-9.537	2
23	MP2B	Z	5.506	2
24	MP2B	Mx	.005	2
25	MP2C	X	-12.715	2
26	MP2C	Z	7.341	2
27	MP2C	Mx	-.001	2
28	MP1A	X	-9.529	2
29	MP1A	Z	5.502	2
30	MP1A	Mx	-.005	2
31	MP1B	X	-8.944	2
32	MP1B	Z	5.164	2
33	MP1B	Mx	.005	2
34	MP1C	X	-12.695	2
35	MP1C	Z	7.329	2
36	MP1C	Mx	-.001	2
37	MP2A	X	-19.309	.5
38	MP2A	Z	11.148	.5
39	MP2A	Mx	.003	.5
40	MP2A	X	-19.309	4.5
41	MP2A	Z	11.148	4.5
42	MP2A	Mx	.003	4.5
43	MP2B	X	-18.33	.5
44	MP2B	Z	10.583	.5
45	MP2B	Mx	-.014	.5
46	MP2B	X	-18.33	4.5
47	MP2B	Z	10.583	4.5
48	MP2B	Mx	-.014	4.5
49	MP2C	X	-24.608	.5
50	MP2C	Z	14.208	.5
51	MP2C	Mx	.019	.5
52	MP2C	X	-24.608	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	14.208	4.5
54	MP2C	Mx	.019	4.5
55	MP2A	X	-19.309	.5
56	MP2A	Z	11.148	.5
57	MP2A	Mx	.016	.5
58	MP2A	X	-19.309	4.5
59	MP2A	Z	11.148	4.5
60	MP2A	Mx	.016	4.5
61	MP2B	X	-18.33	.5
62	MP2B	Z	10.583	.5
63	MP2B	Mx	-.006	.5
64	MP2B	X	-18.33	4.5
65	MP2B	Z	10.583	4.5
66	MP2B	Mx	-.006	4.5
67	MP2C	X	-24.608	.5
68	MP2C	Z	14.208	.5
69	MP2C	Mx	-.014	.5
70	MP2C	X	-24.608	4.5
71	MP2C	Z	14.208	4.5
72	MP2C	Mx	-.014	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.597	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	.004	1.25
4	MP3A	X	-7.597	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	.004	3.25
7	MP3B	X	-13.165	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	-.004	1.25
10	MP3B	X	-13.165	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	-.004	3.25
13	MP3C	X	-15.976	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	-.003	1.25
16	MP3C	X	-15.976	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	-.003	3.25
19	MP2A	X	-10.509	2
20	MP2A	Z	0	2
21	MP2A	Mx	-.005	2
22	MP2B	X	-13.034	2
23	MP2B	Z	0	2
24	MP2B	Mx	.004	2
25	MP2C	X	-14.308	2
26	MP2C	Z	0	2
27	MP2C	Mx	.002	2
28	MP1A	X	-9.734	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP1A	Z	0	2
30	MP1A	Mx	-.005	2
31	MP1B	X	-12.714	2
32	MP1B	Z	0	2
33	MP1B	Mx	.004	2
34	MP1C	X	-14.218	2
35	MP1C	Z	0	2
36	MP1C	Mx	.002	2
37	MP2A	X	-20.171	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.01	.5
40	MP2A	X	-20.171	4.5
41	MP2A	Z	0	4.5
42	MP2A	Mx	.01	4.5
43	MP2B	X	-25.159	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	-.019	.5
46	MP2B	X	-25.159	4.5
47	MP2B	Z	0	4.5
48	MP2B	Mx	-.019	4.5
49	MP2C	X	-27.677	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	.01	.5
52	MP2C	X	-27.677	4.5
53	MP2C	Z	0	4.5
54	MP2C	Mx	.01	4.5
55	MP2A	X	-20.171	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	.01	.5
58	MP2A	X	-20.171	4.5
59	MP2A	Z	0	4.5
60	MP2A	Mx	.01	4.5
61	MP2B	X	-25.159	.5
62	MP2B	Z	0	.5
63	MP2B	Mx	.003	.5
64	MP2B	X	-25.159	4.5
65	MP2B	Z	0	4.5
66	MP2B	Mx	.003	4.5
67	MP2C	X	-27.677	.5
68	MP2C	Z	0	.5
69	MP2C	Mx	-.02	.5
70	MP2C	X	-27.677	4.5
71	MP2C	Z	0	4.5
72	MP2C	Mx	-.02	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-8.633	1.25
2	MP3A	Z	-4.985	1.25
3	MP3A	Mx	.004	1.25
4	MP3A	X	-8.633	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP3A	Z	-4.985	3.25
6	MP3A	Mx	.004	3.25
7	MP3B	X	-14.549	1.25
8	MP3B	Z	-8.4	1.25
9	MP3B	Mx	-.001	1.25
10	MP3B	X	-14.549	3.25
11	MP3B	Z	-8.4	3.25
12	MP3B	Mx	-.001	3.25
13	MP3C	X	-9.974	1.25
14	MP3C	Z	-5.759	1.25
15	MP3C	Mx	-.004	1.25
16	MP3C	X	-9.974	3.25
17	MP3C	Z	-5.759	3.25
18	MP3C	Mx	-.004	3.25
19	MP2A	X	-10.032	2
20	MP2A	Z	-5.792	2
21	MP2A	Mx	-.005	2
22	MP2B	X	-12.715	2
23	MP2B	Z	-7.341	2
24	MP2B	Mx	.001	2
25	MP2C	X	-10.64	2
26	MP2C	Z	-6.143	2
27	MP2C	Mx	.005	2
28	MP1A	X	-9.529	2
29	MP1A	Z	-5.502	2
30	MP1A	Mx	-.005	2
31	MP1B	X	-12.695	2
32	MP1B	Z	-7.329	2
33	MP1B	Mx	.001	2
34	MP1C	X	-10.247	2
35	MP1C	Z	-5.916	2
36	MP1C	Mx	.005	2
37	MP2A	X	-19.309	.5
38	MP2A	Z	-11.148	.5
39	MP2A	Mx	.016	.5
40	MP2A	X	-19.309	4.5
41	MP2A	Z	-11.148	4.5
42	MP2A	Mx	.016	4.5
43	MP2B	X	-24.608	.5
44	MP2B	Z	-14.208	.5
45	MP2B	Mx	-.019	.5
46	MP2B	X	-24.608	4.5
47	MP2B	Z	-14.208	4.5
48	MP2B	Mx	-.019	4.5
49	MP2C	X	-20.51	.5
50	MP2C	Z	-11.842	.5
51	MP2C	Mx	-.000191	.5
52	MP2C	X	-20.51	4.5
53	MP2C	Z	-11.842	4.5
54	MP2C	Mx	-.000191	4.5
55	MP2A	X	-19.309	.5
56	MP2A	Z	-11.148	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP2A	Mx	.003	.5
58	MP2A	X	-19.309	4.5
59	MP2A	Z	-11.148	4.5
60	MP2A	Mx	.003	4.5
61	MP2B	X	-24.608	.5
62	MP2B	Z	-14.208	.5
63	MP2B	Mx	.014	.5
64	MP2B	X	-24.608	4.5
65	MP2B	Z	-14.208	4.5
66	MP2B	Mx	.014	4.5
67	MP2C	X	-20.51	.5
68	MP2C	Z	-11.842	.5
69	MP2C	Mx	-.018	.5
70	MP2C	X	-20.51	4.5
71	MP2C	Z	-11.842	4.5
72	MP2C	Mx	-.018	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.357	1.25
2	MP3A	Z	-12.742	1.25
3	MP3A	Mx	.004	1.25
4	MP3A	X	-7.357	3.25
5	MP3A	Z	-12.742	3.25
6	MP3A	Mx	.004	3.25
7	MP3B	X	-7.988	1.25
8	MP3B	Z	-13.835	1.25
9	MP3B	Mx	.003	1.25
10	MP3B	X	-7.988	3.25
11	MP3B	Z	-13.835	3.25
12	MP3B	Mx	.003	3.25
13	MP3C	X	-3.941	1.25
14	MP3C	Z	-6.827	1.25
15	MP3C	Mx	-.004	1.25
16	MP3C	X	-3.941	3.25
17	MP3C	Z	-6.827	3.25
18	MP3C	Mx	-.004	3.25
19	MP2A	X	-6.868	2
20	MP2A	Z	-11.896	2
21	MP2A	Mx	-.003	2
22	MP2B	X	-7.154	2
23	MP2B	Z	-12.391	2
24	MP2B	Mx	-.002	2
25	MP2C	X	-5.319	2
26	MP2C	Z	-9.213	2
27	MP2C	Mx	.005	2
28	MP1A	X	-6.771	2
29	MP1A	Z	-11.728	2
30	MP1A	Mx	-.003	2
31	MP1B	X	-7.109	2
32	MP1B	Z	-12.313	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP1B	Mx	-.002	2
34	MP1C	X	-4.944	2
35	MP1C	Z	-8.563	2
36	MP1C	Mx	.005	2
37	MP2A	X	-13.273	.5
38	MP2A	Z	-22.99	.5
39	MP2A	Mx	.02	.5
40	MP2A	X	-13.273	4.5
41	MP2A	Z	-22.99	4.5
42	MP2A	Mx	.02	4.5
43	MP2B	X	-13.839	.5
44	MP2B	Z	-23.969	.5
45	MP2B	Mx	-.01	.5
46	MP2B	X	-13.839	4.5
47	MP2B	Z	-23.969	4.5
48	MP2B	Mx	-.01	4.5
49	MP2C	X	-10.214	.5
50	MP2C	Z	-17.69	.5
51	MP2C	Mx	-.008	.5
52	MP2C	X	-10.214	4.5
53	MP2C	Z	-17.69	4.5
54	MP2C	Mx	-.008	4.5
55	MP2A	X	-13.273	.5
56	MP2A	Z	-22.99	.5
57	MP2A	Mx	-.007	.5
58	MP2A	X	-13.273	4.5
59	MP2A	Z	-22.99	4.5
60	MP2A	Mx	-.007	4.5
61	MP2B	X	-13.839	.5
62	MP2B	Z	-23.969	.5
63	MP2B	Mx	.02	.5
64	MP2B	X	-13.839	4.5
65	MP2B	Z	-23.969	4.5
66	MP2B	Mx	.02	4.5
67	MP2C	X	-10.214	.5
68	MP2C	Z	-17.69	.5
69	MP2C	Mx	-.012	.5
70	MP2C	X	-10.214	4.5
71	MP2C	Z	-17.69	4.5
72	MP2C	Mx	-.012	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	-5.128	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	-5.128	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	-3.297	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.001	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	-3.297	3.25
12	MP3B	Mx	.001	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	-2.372	1.25
15	MP3C	Mx	-.001	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	-2.372	3.25
18	MP3C	Mx	-.001	3.25
19	MP2A	X	0	2
20	MP2A	Z	-4.08	2
21	MP2A	Mx	0	2
22	MP2B	X	0	2
23	MP2B	Z	-3.286	2
24	MP2B	Mx	-.001	2
25	MP2C	X	0	2
26	MP2C	Z	-2.886	2
27	MP2C	Mx	.001	2
28	MP1A	X	0	2
29	MP1A	Z	-4.08	2
30	MP1A	Mx	0	2
31	MP1B	X	0	2
32	MP1B	Z	-3.142	2
33	MP1B	Mx	-.001	2
34	MP1C	X	0	2
35	MP1C	Z	-2.669	2
36	MP1C	Mx	.001	2
37	MP2A	X	0	.5
38	MP2A	Z	-8.902	.5
39	MP2A	Mx	.005	.5
40	MP2A	X	0	4.5
41	MP2A	Z	-8.902	4.5
42	MP2A	Mx	.005	4.5
43	MP2B	X	0	.5
44	MP2B	Z	-7.133	.5
45	MP2B	Mx	5.8e-5	.5
46	MP2B	X	0	4.5
47	MP2B	Z	-7.133	4.5
48	MP2B	Mx	5.8e-5	4.5
49	MP2C	X	0	.5
50	MP2C	Z	-6.24	.5
51	MP2C	Mx	-.004	.5
52	MP2C	X	0	4.5
53	MP2C	Z	-6.24	4.5
54	MP2C	Mx	-.004	4.5
55	MP2A	X	0	.5
56	MP2A	Z	-8.902	.5
57	MP2A	Mx	-.005	.5
58	MP2A	X	0	4.5
59	MP2A	Z	-8.902	4.5
60	MP2A	Mx	-.005	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2B	X	0	.5
62	MP2B	Z	-7.133	.5
63	MP2B	Mx	.005	.5
64	MP2B	X	0	4.5
65	MP2B	Z	-7.133	4.5
66	MP2B	Mx	.005	4.5
67	MP2C	X	0	.5
68	MP2C	Z	-6.24	.5
69	MP2C	Mx	-.002	.5
70	MP2C	X	0	4.5
71	MP2C	Z	-6.24	4.5
72	MP2C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.174	1.25
2	MP3A	Z	-3.765	1.25
3	MP3A	Mx	-.001	1.25
4	MP3A	X	2.174	3.25
5	MP3A	Z	-3.765	3.25
6	MP3A	Mx	-.001	3.25
7	MP3B	X	1.051	1.25
8	MP3B	Z	-1.82	1.25
9	MP3B	Mx	.001	1.25
10	MP3B	X	1.051	3.25
11	MP3B	Z	-1.82	3.25
12	MP3B	Mx	.001	3.25
13	MP3C	X	1.919	1.25
14	MP3C	Z	-3.324	1.25
15	MP3C	Mx	-.001	1.25
16	MP3C	X	1.919	3.25
17	MP3C	Z	-3.324	3.25
18	MP3C	Mx	-.001	3.25
19	MP2A	X	1.871	2
20	MP2A	Z	-3.241	2
21	MP2A	Mx	.000935	2
22	MP2B	X	1.384	2
23	MP2B	Z	-2.397	2
24	MP2B	Mx	-.001	2
25	MP2C	X	1.761	2
26	MP2C	Z	-3.05	2
27	MP2C	Mx	.001	2
28	MP1A	X	1.84	2
29	MP1A	Z	-3.188	2
30	MP1A	Mx	.00092	2
31	MP1B	X	1.265	2
32	MP1B	Z	-2.191	2
33	MP1B	Mx	-.001	2
34	MP1C	X	1.71	2
35	MP1C	Z	-2.962	2
36	MP1C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP2A	X	4.074	.5
38	MP2A	Z	-7.057	.5
39	MP2A	Mx	.002	.5
40	MP2A	X	4.074	4.5
41	MP2A	Z	-7.057	4.5
42	MP2A	Mx	.002	4.5
43	MP2B	X	2.989	.5
44	MP2B	Z	-5.177	.5
45	MP2B	Mx	.002	.5
46	MP2B	X	2.989	4.5
47	MP2B	Z	-5.177	4.5
48	MP2B	Mx	.002	4.5
49	MP2C	X	3.828	.5
50	MP2C	Z	-6.631	.5
51	MP2C	Mx	-.006	.5
52	MP2C	X	3.828	4.5
53	MP2C	Z	-6.631	4.5
54	MP2C	Mx	-.006	4.5
55	MP2A	X	4.074	.5
56	MP2A	Z	-7.057	.5
57	MP2A	Mx	-.006	.5
58	MP2A	X	4.074	4.5
59	MP2A	Z	-7.057	4.5
60	MP2A	Mx	-.006	4.5
61	MP2B	X	2.989	.5
62	MP2B	Z	-5.177	.5
63	MP2B	Mx	.004	.5
64	MP2B	X	2.989	4.5
65	MP2B	Z	-5.177	4.5
66	MP2B	Mx	.004	4.5
67	MP2C	X	3.828	.5
68	MP2C	Z	-6.631	.5
69	MP2C	Mx	.00096	.5
70	MP2C	X	3.828	4.5
71	MP2C	Z	-6.631	4.5
72	MP2C	Mx	.00096	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.414	1.25
2	MP3A	Z	-1.394	1.25
3	MP3A	Mx	-.001	1.25
4	MP3A	X	2.414	3.25
5	MP3A	Z	-1.394	3.25
6	MP3A	Mx	-.001	3.25
7	MP3B	X	2.055	1.25
8	MP3B	Z	-1.186	1.25
9	MP3B	Mx	.001	1.25
10	MP3B	X	2.055	3.25
11	MP3B	Z	-1.186	3.25
12	MP3B	Mx	.001	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3C	X	4.359	1.25
14	MP3C	Z	-2.517	1.25
15	MP3C	Mx	-.000437	1.25
16	MP3C	X	4.359	3.25
17	MP3C	Z	-2.517	3.25
18	MP3C	Mx	-.000437	3.25
19	MP2A	X	2.655	2
20	MP2A	Z	-1.533	2
21	MP2A	Mx	.001	2
22	MP2B	X	2.499	2
23	MP2B	Z	-1.443	2
24	MP2B	Mx	-.001	2
25	MP2C	X	3.498	2
26	MP2C	Z	-2.02	2
27	MP2C	Mx	.000351	2
28	MP1A	X	2.495	2
29	MP1A	Z	-1.441	2
30	MP1A	Mx	.001	2
31	MP1B	X	2.311	2
32	MP1B	Z	-1.334	2
33	MP1B	Mx	-.001	2
34	MP1C	X	3.492	2
35	MP1C	Z	-2.016	2
36	MP1C	Mx	.00035	2
37	MP2A	X	5.751	.5
38	MP2A	Z	-3.32	.5
39	MP2A	Mx	-.000939	.5
40	MP2A	X	5.751	4.5
41	MP2A	Z	-3.32	4.5
42	MP2A	Mx	-.000939	4.5
43	MP2B	X	5.404	.5
44	MP2B	Z	-3.12	.5
45	MP2B	Mx	.004	.5
46	MP2B	X	5.404	4.5
47	MP2B	Z	-3.12	4.5
48	MP2B	Mx	.004	4.5
49	MP2C	X	7.631	.5
50	MP2C	Z	-4.406	.5
51	MP2C	Mx	-.006	.5
52	MP2C	X	7.631	4.5
53	MP2C	Z	-4.406	4.5
54	MP2C	Mx	-.006	4.5
55	MP2A	X	5.751	.5
56	MP2A	Z	-3.32	.5
57	MP2A	Mx	-.005	.5
58	MP2A	X	5.751	4.5
59	MP2A	Z	-3.32	4.5
60	MP2A	Mx	-.005	4.5
61	MP2B	X	5.404	.5
62	MP2B	Z	-3.12	.5
63	MP2B	Mx	.002	.5
64	MP2B	X	5.404	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2B	Z	-3.12	4.5
66	MP2B	Mx	.002	4.5
67	MP2C	X	7.631	.5
68	MP2C	Z	-4.406	.5
69	MP2C	Mx	.004	.5
70	MP2C	X	7.631	4.5
71	MP2C	Z	-4.406	4.5
72	MP2C	Mx	.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.007	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	-.001	1.25
4	MP3A	X	2.007	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	-.001	3.25
7	MP3B	X	3.838	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	.001	1.25
10	MP3B	X	3.838	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	.001	3.25
13	MP3C	X	4.763	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	.000815	1.25
16	MP3C	X	4.763	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	.000815	3.25
19	MP2A	X	2.727	2
20	MP2A	Z	0	2
21	MP2A	Mx	.001	2
22	MP2B	X	3.521	2
23	MP2B	Z	0	2
24	MP2B	Mx	-.001	2
25	MP2C	X	3.922	2
26	MP2C	Z	0	2
27	MP2C	Mx	-.000671	2
28	MP1A	X	2.482	2
29	MP1A	Z	0	2
30	MP1A	Mx	.001	2
31	MP1B	X	3.42	2
32	MP1B	Z	0	2
33	MP1B	Mx	-.001	2
34	MP1C	X	3.893	2
35	MP1C	Z	0	2
36	MP1C	Mx	-.000666	2
37	MP2A	X	5.887	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	-.003	.5
40	MP2A	X	5.887	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP2A	Z	0	4.5
42	MP2A	Mx	-.003	4.5
43	MP2B	X	7.656	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	.006	.5
46	MP2B	X	7.656	4.5
47	MP2B	Z	0	4.5
48	MP2B	Mx	.006	4.5
49	MP2C	X	8.55	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	-.003	.5
52	MP2C	X	8.55	4.5
53	MP2C	Z	0	4.5
54	MP2C	Mx	-.003	4.5
55	MP2A	X	5.887	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	-.003	.5
58	MP2A	X	5.887	4.5
59	MP2A	Z	0	4.5
60	MP2A	Mx	-.003	4.5
61	MP2B	X	7.656	.5
62	MP2B	Z	0	.5
63	MP2B	Mx	-.000961	.5
64	MP2B	X	7.656	4.5
65	MP2B	Z	0	4.5
66	MP2B	Mx	-.000961	4.5
67	MP2C	X	8.55	.5
68	MP2C	Z	0	.5
69	MP2C	Mx	.006	.5
70	MP2C	X	8.55	4.5
71	MP2C	Z	0	4.5
72	MP2C	Mx	.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.414	1.25
2	MP3A	Z	1.394	1.25
3	MP3A	Mx	-.001	1.25
4	MP3A	X	2.414	3.25
5	MP3A	Z	1.394	3.25
6	MP3A	Mx	-.001	3.25
7	MP3B	X	4.359	1.25
8	MP3B	Z	2.517	1.25
9	MP3B	Mx	.000437	1.25
10	MP3B	X	4.359	3.25
11	MP3B	Z	2.517	3.25
12	MP3B	Mx	.000437	3.25
13	MP3C	X	2.855	1.25
14	MP3C	Z	1.648	1.25
15	MP3C	Mx	.001	1.25
16	MP3C	X	2.855	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	1.648	3.25
18	MP3C	Mx	.001	3.25
19	MP2A	X	2.655	2
20	MP2A	Z	1.533	2
21	MP2A	Mx	.001	2
22	MP2B	X	3.498	2
23	MP2B	Z	2.02	2
24	MP2B	Mx	-.000351	2
25	MP2C	X	2.846	2
26	MP2C	Z	1.643	2
27	MP2C	Mx	-.001	2
28	MP1A	X	2.495	2
29	MP1A	Z	1.441	2
30	MP1A	Mx	.001	2
31	MP1B	X	3.492	2
32	MP1B	Z	2.016	2
33	MP1B	Mx	-.00035	2
34	MP1C	X	2.721	2
35	MP1C	Z	1.571	2
36	MP1C	Mx	-.001	2
37	MP2A	X	5.751	.5
38	MP2A	Z	3.32	.5
39	MP2A	Mx	-.005	.5
40	MP2A	X	5.751	4.5
41	MP2A	Z	3.32	4.5
42	MP2A	Mx	-.005	4.5
43	MP2B	X	7.631	.5
44	MP2B	Z	4.406	.5
45	MP2B	Mx	.006	.5
46	MP2B	X	7.631	4.5
47	MP2B	Z	4.406	4.5
48	MP2B	Mx	.006	4.5
49	MP2C	X	6.177	.5
50	MP2C	Z	3.566	.5
51	MP2C	Mx	5.7e-5	.5
52	MP2C	X	6.177	4.5
53	MP2C	Z	3.566	4.5
54	MP2C	Mx	5.7e-5	4.5
55	MP2A	X	5.751	.5
56	MP2A	Z	3.32	.5
57	MP2A	Mx	-.000939	.5
58	MP2A	X	5.751	4.5
59	MP2A	Z	3.32	4.5
60	MP2A	Mx	-.000939	4.5
61	MP2B	X	7.631	.5
62	MP2B	Z	4.406	.5
63	MP2B	Mx	-.004	.5
64	MP2B	X	7.631	4.5
65	MP2B	Z	4.406	4.5
66	MP2B	Mx	-.004	4.5
67	MP2C	X	6.177	.5
68	MP2C	Z	3.566	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2C	Mx	.005	.5
70	MP2C	X	6.177	4.5
71	MP2C	Z	3.566	4.5
72	MP2C	Mx	.005	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.174	1.25
2	MP3A	Z	3.765	1.25
3	MP3A	Mx	-.001	1.25
4	MP3A	X	2.174	3.25
5	MP3A	Z	3.765	3.25
6	MP3A	Mx	-.001	3.25
7	MP3B	X	2.381	1.25
8	MP3B	Z	4.124	1.25
9	MP3B	Mx	-.000814	1.25
10	MP3B	X	2.381	3.25
11	MP3B	Z	4.124	3.25
12	MP3B	Mx	-.000814	3.25
13	MP3C	X	1.051	1.25
14	MP3C	Z	1.82	1.25
15	MP3C	Mx	.001	1.25
16	MP3C	X	1.051	3.25
17	MP3C	Z	1.82	3.25
18	MP3C	Mx	.001	3.25
19	MP2A	X	1.871	2
20	MP2A	Z	3.241	2
21	MP2A	Mx	.000935	2
22	MP2B	X	1.961	2
23	MP2B	Z	3.397	2
24	MP2B	Mx	.000671	2
25	MP2C	X	1.384	2
26	MP2C	Z	2.397	2
27	MP2C	Mx	-.001	2
28	MP1A	X	1.84	2
29	MP1A	Z	3.188	2
30	MP1A	Mx	.00092	2
31	MP1B	X	1.947	2
32	MP1B	Z	3.372	2
33	MP1B	Mx	.000666	2
34	MP1C	X	1.265	2
35	MP1C	Z	2.191	2
36	MP1C	Mx	-.001	2
37	MP2A	X	4.074	.5
38	MP2A	Z	7.057	.5
39	MP2A	Mx	-.006	.5
40	MP2A	X	4.074	4.5
41	MP2A	Z	7.057	4.5
42	MP2A	Mx	-.006	4.5
43	MP2B	X	4.275	.5
44	MP2B	Z	7.404	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP2B	Mx	.003	.5
46	MP2B	X	4.275	4.5
47	MP2B	Z	7.404	4.5
48	MP2B	Mx	.003	4.5
49	MP2C	X	2.989	.5
50	MP2C	Z	5.177	.5
51	MP2C	Mx	.002	.5
52	MP2C	X	2.989	4.5
53	MP2C	Z	5.177	4.5
54	MP2C	Mx	.002	4.5
55	MP2A	X	4.074	.5
56	MP2A	Z	7.057	.5
57	MP2A	Mx	.002	.5
58	MP2A	X	4.074	4.5
59	MP2A	Z	7.057	4.5
60	MP2A	Mx	.002	4.5
61	MP2B	X	4.275	.5
62	MP2B	Z	7.404	.5
63	MP2B	Mx	-.006	.5
64	MP2B	X	4.275	4.5
65	MP2B	Z	7.404	4.5
66	MP2B	Mx	-.006	4.5
67	MP2C	X	2.989	.5
68	MP2C	Z	5.177	.5
69	MP2C	Mx	.004	.5
70	MP2C	X	2.989	4.5
71	MP2C	Z	5.177	4.5
72	MP2C	Mx	.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	5.128	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	5.128	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	3.297	1.25
9	MP3B	Mx	-.001	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	3.297	3.25
12	MP3B	Mx	-.001	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	2.372	1.25
15	MP3C	Mx	.001	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	2.372	3.25
18	MP3C	Mx	.001	3.25
19	MP2A	X	0	2
20	MP2A	Z	4.08	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2A	Mx	0	2
22	MP2B	X	0	2
23	MP2B	Z	3.286	2
24	MP2B	Mx	.001	2
25	MP2C	X	0	2
26	MP2C	Z	2.886	2
27	MP2C	Mx	-.001	2
28	MP1A	X	0	2
29	MP1A	Z	4.08	2
30	MP1A	Mx	0	2
31	MP1B	X	0	2
32	MP1B	Z	3.142	2
33	MP1B	Mx	.001	2
34	MP1C	X	0	2
35	MP1C	Z	2.669	2
36	MP1C	Mx	-.001	2
37	MP2A	X	0	.5
38	MP2A	Z	8.902	.5
39	MP2A	Mx	-.005	.5
40	MP2A	X	0	4.5
41	MP2A	Z	8.902	4.5
42	MP2A	Mx	-.005	4.5
43	MP2B	X	0	.5
44	MP2B	Z	7.133	.5
45	MP2B	Mx	-5.8e-5	.5
46	MP2B	X	0	4.5
47	MP2B	Z	7.133	4.5
48	MP2B	Mx	-5.8e-5	4.5
49	MP2C	X	0	.5
50	MP2C	Z	6.24	.5
51	MP2C	Mx	.004	.5
52	MP2C	X	0	4.5
53	MP2C	Z	6.24	4.5
54	MP2C	Mx	.004	4.5
55	MP2A	X	0	.5
56	MP2A	Z	8.902	.5
57	MP2A	Mx	.005	.5
58	MP2A	X	0	4.5
59	MP2A	Z	8.902	4.5
60	MP2A	Mx	.005	4.5
61	MP2B	X	0	.5
62	MP2B	Z	7.133	.5
63	MP2B	Mx	-.005	.5
64	MP2B	X	0	4.5
65	MP2B	Z	7.133	4.5
66	MP2B	Mx	-.005	4.5
67	MP2C	X	0	.5
68	MP2C	Z	6.24	.5
69	MP2C	Mx	.002	.5
70	MP2C	X	0	4.5
71	MP2C	Z	6.24	4.5
72	MP2C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.174	1.25
2	MP3A	Z	3.765	1.25
3	MP3A	Mx	.001	1.25
4	MP3A	X	-2.174	3.25
5	MP3A	Z	3.765	3.25
6	MP3A	Mx	.001	3.25
7	MP3B	X	-1.051	1.25
8	MP3B	Z	1.82	1.25
9	MP3B	Mx	-.001	1.25
10	MP3B	X	-1.051	3.25
11	MP3B	Z	1.82	3.25
12	MP3B	Mx	-.001	3.25
13	MP3C	X	-1.919	1.25
14	MP3C	Z	3.324	1.25
15	MP3C	Mx	.001	1.25
16	MP3C	X	-1.919	3.25
17	MP3C	Z	3.324	3.25
18	MP3C	Mx	.001	3.25
19	MP2A	X	-1.871	2
20	MP2A	Z	3.241	2
21	MP2A	Mx	-.000935	2
22	MP2B	X	-1.384	2
23	MP2B	Z	2.397	2
24	MP2B	Mx	.001	2
25	MP2C	X	-1.761	2
26	MP2C	Z	3.05	2
27	MP2C	Mx	-.001	2
28	MP1A	X	-1.84	2
29	MP1A	Z	3.188	2
30	MP1A	Mx	-.00092	2
31	MP1B	X	-1.265	2
32	MP1B	Z	2.191	2
33	MP1B	Mx	.001	2
34	MP1C	X	-1.71	2
35	MP1C	Z	2.962	2
36	MP1C	Mx	-.001	2
37	MP2A	X	-4.074	.5
38	MP2A	Z	7.057	.5
39	MP2A	Mx	-.002	.5
40	MP2A	X	-4.074	4.5
41	MP2A	Z	7.057	4.5
42	MP2A	Mx	-.002	4.5
43	MP2B	X	-2.989	.5
44	MP2B	Z	5.177	.5
45	MP2B	Mx	-.002	.5
46	MP2B	X	-2.989	4.5
47	MP2B	Z	5.177	4.5
48	MP2B	Mx	-.002	4.5
49	MP2C	X	-3.828	.5
50	MP2C	Z	6.631	.5
51	MP2C	Mx	.006	.5
52	MP2C	X	-3.828	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	6.631	4.5
54	MP2C	Mx	.006	4.5
55	MP2A	X	-4.074	.5
56	MP2A	Z	7.057	.5
57	MP2A	Mx	.006	.5
58	MP2A	X	-4.074	4.5
59	MP2A	Z	7.057	4.5
60	MP2A	Mx	.006	4.5
61	MP2B	X	-2.989	.5
62	MP2B	Z	5.177	.5
63	MP2B	Mx	-.004	.5
64	MP2B	X	-2.989	4.5
65	MP2B	Z	5.177	4.5
66	MP2B	Mx	-.004	4.5
67	MP2C	X	-3.828	.5
68	MP2C	Z	6.631	.5
69	MP2C	Mx	-.00096	.5
70	MP2C	X	-3.828	4.5
71	MP2C	Z	6.631	4.5
72	MP2C	Mx	-.00096	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.414	1.25
2	MP3A	Z	1.394	1.25
3	MP3A	Mx	.001	1.25
4	MP3A	X	-2.414	3.25
5	MP3A	Z	1.394	3.25
6	MP3A	Mx	.001	3.25
7	MP3B	X	-2.055	1.25
8	MP3B	Z	1.186	1.25
9	MP3B	Mx	-.001	1.25
10	MP3B	X	-2.055	3.25
11	MP3B	Z	1.186	3.25
12	MP3B	Mx	-.001	3.25
13	MP3C	X	-4.359	1.25
14	MP3C	Z	2.517	1.25
15	MP3C	Mx	.000437	1.25
16	MP3C	X	-4.359	3.25
17	MP3C	Z	2.517	3.25
18	MP3C	Mx	.000437	3.25
19	MP2A	X	-2.655	2
20	MP2A	Z	1.533	2
21	MP2A	Mx	-.001	2
22	MP2B	X	-2.499	2
23	MP2B	Z	1.443	2
24	MP2B	Mx	.001	2
25	MP2C	X	-3.498	2
26	MP2C	Z	2.02	2
27	MP2C	Mx	-.000351	2
28	MP1A	X	-2.495	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP1A	Z	1.441	2
30	MP1A	Mx	-.001	2
31	MP1B	X	-2.311	2
32	MP1B	Z	1.334	2
33	MP1B	Mx	.001	2
34	MP1C	X	-3.492	2
35	MP1C	Z	2.016	2
36	MP1C	Mx	-.00035	2
37	MP2A	X	-5.751	.5
38	MP2A	Z	3.32	.5
39	MP2A	Mx	.000939	.5
40	MP2A	X	-5.751	4.5
41	MP2A	Z	3.32	4.5
42	MP2A	Mx	.000939	4.5
43	MP2B	X	-5.404	.5
44	MP2B	Z	3.12	.5
45	MP2B	Mx	-.004	.5
46	MP2B	X	-5.404	4.5
47	MP2B	Z	3.12	4.5
48	MP2B	Mx	-.004	4.5
49	MP2C	X	-7.631	.5
50	MP2C	Z	4.406	.5
51	MP2C	Mx	.006	.5
52	MP2C	X	-7.631	4.5
53	MP2C	Z	4.406	4.5
54	MP2C	Mx	.006	4.5
55	MP2A	X	-5.751	.5
56	MP2A	Z	3.32	.5
57	MP2A	Mx	.005	.5
58	MP2A	X	-5.751	4.5
59	MP2A	Z	3.32	4.5
60	MP2A	Mx	.005	4.5
61	MP2B	X	-5.404	.5
62	MP2B	Z	3.12	.5
63	MP2B	Mx	-.002	.5
64	MP2B	X	-5.404	4.5
65	MP2B	Z	3.12	4.5
66	MP2B	Mx	-.002	4.5
67	MP2C	X	-7.631	.5
68	MP2C	Z	4.406	.5
69	MP2C	Mx	-.004	.5
70	MP2C	X	-7.631	4.5
71	MP2C	Z	4.406	4.5
72	MP2C	Mx	-.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.007	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	.001	1.25
4	MP3A	X	-2.007	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP3A	Z	0	3.25
6	MP3A	Mx	.001	3.25
7	MP3B	X	-3.838	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	-.001	1.25
10	MP3B	X	-3.838	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	-.001	3.25
13	MP3C	X	-4.763	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	-.000815	1.25
16	MP3C	X	-4.763	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	-.000815	3.25
19	MP2A	X	-2.727	2
20	MP2A	Z	0	2
21	MP2A	Mx	-.001	2
22	MP2B	X	-3.521	2
23	MP2B	Z	0	2
24	MP2B	Mx	.001	2
25	MP2C	X	-3.922	2
26	MP2C	Z	0	2
27	MP2C	Mx	.000671	2
28	MP1A	X	-2.482	2
29	MP1A	Z	0	2
30	MP1A	Mx	-.001	2
31	MP1B	X	-3.42	2
32	MP1B	Z	0	2
33	MP1B	Mx	.001	2
34	MP1C	X	-3.893	2
35	MP1C	Z	0	2
36	MP1C	Mx	.000666	2
37	MP2A	X	-5.887	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.003	.5
40	MP2A	X	-5.887	4.5
41	MP2A	Z	0	4.5
42	MP2A	Mx	.003	4.5
43	MP2B	X	-7.656	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	-.006	.5
46	MP2B	X	-7.656	4.5
47	MP2B	Z	0	4.5
48	MP2B	Mx	-.006	4.5
49	MP2C	X	-8.55	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	.003	.5
52	MP2C	X	-8.55	4.5
53	MP2C	Z	0	4.5
54	MP2C	Mx	.003	4.5
55	MP2A	X	-5.887	.5
56	MP2A	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP2A	Mx	.003	.5
58	MP2A	X	-5.887	4.5
59	MP2A	Z	0	4.5
60	MP2A	Mx	.003	4.5
61	MP2B	X	-7.656	.5
62	MP2B	Z	0	.5
63	MP2B	Mx	.000961	.5
64	MP2B	X	-7.656	4.5
65	MP2B	Z	0	4.5
66	MP2B	Mx	.000961	4.5
67	MP2C	X	-8.55	.5
68	MP2C	Z	0	.5
69	MP2C	Mx	-.006	.5
70	MP2C	X	-8.55	4.5
71	MP2C	Z	0	4.5
72	MP2C	Mx	-.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.414	1.25
2	MP3A	Z	-1.394	1.25
3	MP3A	Mx	.001	1.25
4	MP3A	X	-2.414	3.25
5	MP3A	Z	-1.394	3.25
6	MP3A	Mx	.001	3.25
7	MP3B	X	-4.359	1.25
8	MP3B	Z	-2.517	1.25
9	MP3B	Mx	-.000437	1.25
10	MP3B	X	-4.359	3.25
11	MP3B	Z	-2.517	3.25
12	MP3B	Mx	-.000437	3.25
13	MP3C	X	-2.855	1.25
14	MP3C	Z	-1.648	1.25
15	MP3C	Mx	-.001	1.25
16	MP3C	X	-2.855	3.25
17	MP3C	Z	-1.648	3.25
18	MP3C	Mx	-.001	3.25
19	MP2A	X	-2.655	2
20	MP2A	Z	-1.533	2
21	MP2A	Mx	-.001	2
22	MP2B	X	-3.498	2
23	MP2B	Z	-2.02	2
24	MP2B	Mx	.000351	2
25	MP2C	X	-2.846	2
26	MP2C	Z	-1.643	2
27	MP2C	Mx	.001	2
28	MP1A	X	-2.495	2
29	MP1A	Z	-1.441	2
30	MP1A	Mx	-.001	2
31	MP1B	X	-3.492	2
32	MP1B	Z	-2.016	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP1B	Mx	.00035	2
34	MP1C	X	-2.721	2
35	MP1C	Z	-1.571	2
36	MP1C	Mx	.001	2
37	MP2A	X	-5.751	.5
38	MP2A	Z	-3.32	.5
39	MP2A	Mx	.005	.5
40	MP2A	X	-5.751	4.5
41	MP2A	Z	-3.32	4.5
42	MP2A	Mx	.005	4.5
43	MP2B	X	-7.631	.5
44	MP2B	Z	-4.406	.5
45	MP2B	Mx	-.006	.5
46	MP2B	X	-7.631	4.5
47	MP2B	Z	-4.406	4.5
48	MP2B	Mx	-.006	4.5
49	MP2C	X	-6.177	.5
50	MP2C	Z	-3.566	.5
51	MP2C	Mx	-5.7e-5	.5
52	MP2C	X	-6.177	4.5
53	MP2C	Z	-3.566	4.5
54	MP2C	Mx	-5.7e-5	4.5
55	MP2A	X	-5.751	.5
56	MP2A	Z	-3.32	.5
57	MP2A	Mx	.000939	.5
58	MP2A	X	-5.751	4.5
59	MP2A	Z	-3.32	4.5
60	MP2A	Mx	.000939	4.5
61	MP2B	X	-7.631	.5
62	MP2B	Z	-4.406	.5
63	MP2B	Mx	.004	.5
64	MP2B	X	-7.631	4.5
65	MP2B	Z	-4.406	4.5
66	MP2B	Mx	.004	4.5
67	MP2C	X	-6.177	.5
68	MP2C	Z	-3.566	.5
69	MP2C	Mx	-.005	.5
70	MP2C	X	-6.177	4.5
71	MP2C	Z	-3.566	4.5
72	MP2C	Mx	-.005	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.174	1.25
2	MP3A	Z	-3.765	1.25
3	MP3A	Mx	.001	1.25
4	MP3A	X	-2.174	3.25
5	MP3A	Z	-3.765	3.25
6	MP3A	Mx	.001	3.25
7	MP3B	X	-2.381	1.25
8	MP3B	Z	-4.124	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.000814	1.25
10	MP3B	X	-2.381	3.25
11	MP3B	Z	-4.124	3.25
12	MP3B	Mx	.000814	3.25
13	MP3C	X	-1.051	1.25
14	MP3C	Z	-1.82	1.25
15	MP3C	Mx	-.001	1.25
16	MP3C	X	-1.051	3.25
17	MP3C	Z	-1.82	3.25
18	MP3C	Mx	-.001	3.25
19	MP2A	X	-1.871	2
20	MP2A	Z	-3.241	2
21	MP2A	Mx	-.000935	2
22	MP2B	X	-1.961	2
23	MP2B	Z	-3.397	2
24	MP2B	Mx	-.000671	2
25	MP2C	X	-1.384	2
26	MP2C	Z	-2.397	2
27	MP2C	Mx	.001	2
28	MP1A	X	-1.84	2
29	MP1A	Z	-3.188	2
30	MP1A	Mx	-.00092	2
31	MP1B	X	-1.947	2
32	MP1B	Z	-3.372	2
33	MP1B	Mx	-.000666	2
34	MP1C	X	-1.265	2
35	MP1C	Z	-2.191	2
36	MP1C	Mx	.001	2
37	MP2A	X	-4.074	.5
38	MP2A	Z	-7.057	.5
39	MP2A	Mx	.006	.5
40	MP2A	X	-4.074	4.5
41	MP2A	Z	-7.057	4.5
42	MP2A	Mx	.006	4.5
43	MP2B	X	-4.275	.5
44	MP2B	Z	-7.404	.5
45	MP2B	Mx	-.003	.5
46	MP2B	X	-4.275	4.5
47	MP2B	Z	-7.404	4.5
48	MP2B	Mx	-.003	4.5
49	MP2C	X	-2.989	.5
50	MP2C	Z	-5.177	.5
51	MP2C	Mx	-.002	.5
52	MP2C	X	-2.989	4.5
53	MP2C	Z	-5.177	4.5
54	MP2C	Mx	-.002	4.5
55	MP2A	X	-4.074	.5
56	MP2A	Z	-7.057	.5
57	MP2A	Mx	-.002	.5
58	MP2A	X	-4.074	4.5
59	MP2A	Z	-7.057	4.5
60	MP2A	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2B	X	-4.275	.5
62	MP2B	Z	-7.404	.5
63	MP2B	Mx	.006	.5
64	MP2B	X	-4.275	4.5
65	MP2B	Z	-7.404	4.5
66	MP2B	Mx	.006	4.5
67	MP2C	X	-2.989	.5
68	MP2C	Z	-5.177	.5
69	MP2C	Mx	-.004	.5
70	MP2C	X	-2.989	4.5
71	MP2C	Z	-5.177	4.5
72	MP2C	Mx	-.004	4.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%49

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%81

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-11.196	-11.196	0	%100
2	M4	Y	-15.799	-15.799	0	%100
3	M10	Y	-15.799	-15.799	0	%100
4	MP3A	Y	-8.795	-8.795	0	%100
5	MP4A	Y	-8.795	-8.795	0	%100
6	MP2A	Y	-8.795	-8.795	0	%100
7	MP1A	Y	-8.795	-8.795	0	%100
8	M43	Y	-15.799	-15.799	0	%100
9	M46	Y	-16.575	-16.575	0	%100
10	M51B	Y	-9.763	-9.763	0	%100
11	M52B	Y	-9.763	-9.763	0	%100
12	M76	Y	-16.556	-16.556	0	%100
13	M77	Y	-16.556	-16.556	0	%100
14	M80	Y	-16.575	-16.575	0	%100
15	M84	Y	-16.556	-16.556	0	%100
16	M85	Y	-16.556	-16.556	0	%100
17	M91	Y	-16.575	-16.575	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
18	M52A	Y	-15.799	-15.799	0	%100
19	M53	Y	-15.799	-15.799	0	%100
20	M54	Y	-15.799	-15.799	0	%100
21	M55	Y	-16.575	-16.575	0	%100
22	M58A	Y	-9.763	-9.763	0	%100
23	M59A	Y	-9.763	-9.763	0	%100
24	M63	Y	-16.556	-16.556	0	%100
25	M64	Y	-16.556	-16.556	0	%100
26	M66	Y	-16.575	-16.575	0	%100
27	M68	Y	-16.556	-16.556	0	%100
28	M69	Y	-16.556	-16.556	0	%100
29	M71	Y	-16.575	-16.575	0	%100
30	M76A	Y	-15.799	-15.799	0	%100
31	M77A	Y	-15.799	-15.799	0	%100
32	M78	Y	-15.799	-15.799	0	%100
33	M79A	Y	-16.575	-16.575	0	%100
34	M82	Y	-9.763	-9.763	0	%100
35	M83A	Y	-9.763	-9.763	0	%100
36	M87	Y	-16.556	-16.556	0	%100
37	M88A	Y	-16.556	-16.556	0	%100
38	M90	Y	-16.575	-16.575	0	%100
39	M92A	Y	-16.556	-16.556	0	%100
40	M93	Y	-16.556	-16.556	0	%100
41	M95	Y	-16.575	-16.575	0	%100
42	M82A	Y	-11.196	-11.196	0	%100
43	MP3C	Y	-8.795	-8.795	0	%100
44	MP4C	Y	-8.795	-8.795	0	%100
45	MP2C	Y	-8.795	-8.795	0	%100
46	MP1C	Y	-8.795	-8.795	0	%100
47	M91B	Y	-11.196	-11.196	0	%100
48	MP3B	Y	-8.795	-8.795	0	%100
49	MP4B	Y	-8.795	-8.795	0	%100
50	MP2B	Y	-8.795	-8.795	0	%100
51	MP1B	Y	-8.795	-8.795	0	%100
52	M112	Y	-9.862	-9.862	0	%100
53	M113	Y	-9.862	-9.862	0	%100
54	M114	Y	-9.862	-9.862	0	%100
55	M121	Y	-12.781	-12.781	0	%100
56	M122	Y	-12.781	-12.781	0	%100
57	M123	Y	-12.781	-12.781	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-11.418	-11.418	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	-9.813	-9.813	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-7.748	-7.748	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-7.748	-7.748	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-7.748	-7.748	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-7.748	-7.748	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-9.813	-9.813	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-19.573	-19.573	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-2.717	-2.717	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-2.717	-2.717	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	-4.984	-4.984	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-5.249	-5.249	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	-4.984	-4.984	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-5.249	-5.249	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-8.698	-8.698	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-2.453	-2.453	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-2.453	-2.453	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-4.893	-4.893	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-2.717	-2.717	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-10.869	-10.869	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-14.68	-14.68	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-4.984	-4.984	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-5.249	-5.249	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-14.68	-14.68	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-19.936	-19.936	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	-20.998	-20.998	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-8.698	-8.698	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
61	M77A	X	0	0	0	%100
62	M77A	Z	-2.453	-2.453	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-2.453	-2.453	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-4.893	-4.893	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-10.869	-10.869	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-2.717	-2.717	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-14.68	-14.68	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-19.936	-19.936	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-20.998	-20.998	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-14.68	-14.68	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-4.984	-4.984	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-5.249	-5.249	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-2.854	-2.854	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	-7.748	-7.748	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-7.748	-7.748	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-7.748	-7.748	0	%100
91	MP1C	X	0	0	0	%100
92	MP1C	Z	-7.748	-7.748	0	%100
93	M91B	X	0	0	0	%100
94	M91B	Z	-2.854	-2.854	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-7.748	-7.748	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-7.748	-7.748	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-7.748	-7.748	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-7.748	-7.748	0	%100
103	M112	X	0	0	0	%100
104	M112	Z	-9.379	-9.379	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	-2.345	-2.345	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	-2.345	-2.345	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	-2.959	-2.959	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	-2.959	-2.959	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
113	M123	X	0	0	0	%100
114	M123	Z	-11.835	-11.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.282	4.282	0	%100
2	M1	Z	-7.416	-7.416	0	%100
3	M4	X	1.45	1.45	0	%100
4	M4	Z	-2.511	-2.511	0	%100
5	M10	X	3.68	3.68	0	%100
6	M10	Z	-6.374	-6.374	0	%100
7	MP3A	X	3.874	3.874	0	%100
8	MP3A	Z	-6.71	-6.71	0	%100
9	MP4A	X	3.874	3.874	0	%100
10	MP4A	Z	-6.71	-6.71	0	%100
11	MP2A	X	3.874	3.874	0	%100
12	MP2A	Z	-6.71	-6.71	0	%100
13	MP1A	X	3.874	3.874	0	%100
14	MP1A	Z	-6.71	-6.71	0	%100
15	M43	X	3.68	3.68	0	%100
16	M43	Z	-6.374	-6.374	0	%100
17	M46	X	7.34	7.34	0	%100
18	M46	Z	-12.713	-12.713	0	%100
19	M51B	X	4.076	4.076	0	%100
20	M51B	Z	-7.059	-7.059	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	2.447	2.447	0	%100
24	M76	Z	-4.238	-4.238	0	%100
25	M77	X	7.476	7.476	0	%100
26	M77	Z	-12.949	-12.949	0	%100
27	M80	X	7.874	7.874	0	%100
28	M80	Z	-13.639	-13.639	0	%100
29	M84	X	2.447	2.447	0	%100
30	M84	Z	-4.238	-4.238	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	1.45	1.45	0	%100
36	M52A	Z	-2.511	-2.511	0	%100
37	M53	X	3.68	3.68	0	%100
38	M53	Z	-6.374	-6.374	0	%100
39	M54	X	3.68	3.68	0	%100
40	M54	Z	-6.374	-6.374	0	%100
41	M55	X	7.34	7.34	0	%100
42	M55	Z	-12.713	-12.713	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	4.076	4.076	0	%100
46	M59A	Z	-7.059	-7.059	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
47	M63	X	2.447	2.447	0	%100
48	M63	Z	-4.238	-4.238	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	2.447	2.447	0	%100
54	M68	Z	-4.238	-4.238	0	%100
55	M69	X	7.476	7.476	0	%100
56	M69	Z	-12.949	-12.949	0	%100
57	M71	X	7.874	7.874	0	%100
58	M71	Z	-13.639	-13.639	0	%100
59	M76A	X	5.799	5.799	0	%100
60	M76A	Z	-10.043	-10.043	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	4.076	4.076	0	%100
68	M82	Z	-7.059	-7.059	0	%100
69	M83A	X	4.076	4.076	0	%100
70	M83A	Z	-7.059	-7.059	0	%100
71	M87	X	9.787	9.787	0	%100
72	M87	Z	-16.951	-16.951	0	%100
73	M88A	X	7.476	7.476	0	%100
74	M88A	Z	-12.949	-12.949	0	%100
75	M90	X	7.874	7.874	0	%100
76	M90	Z	-13.639	-13.639	0	%100
77	M92A	X	9.787	9.787	0	%100
78	M92A	Z	-16.951	-16.951	0	%100
79	M93	X	7.476	7.476	0	%100
80	M93	Z	-12.949	-12.949	0	%100
81	M95	X	7.874	7.874	0	%100
82	M95	Z	-13.639	-13.639	0	%100
83	M82A	X	4.282	4.282	0	%100
84	M82A	Z	-7.416	-7.416	0	%100
85	MP3C	X	3.874	3.874	0	%100
86	MP3C	Z	-6.71	-6.71	0	%100
87	MP4C	X	3.874	3.874	0	%100
88	MP4C	Z	-6.71	-6.71	0	%100
89	MP2C	X	3.874	3.874	0	%100
90	MP2C	Z	-6.71	-6.71	0	%100
91	MP1C	X	3.874	3.874	0	%100
92	MP1C	Z	-6.71	-6.71	0	%100
93	M91B	X	0	0	0	%100
94	M91B	Z	0	0	0	%100
95	MP3B	X	3.874	3.874	0	%100
96	MP3B	Z	-6.71	-6.71	0	%100
97	MP4B	X	3.874	3.874	0	%100
98	MP4B	Z	-6.71	-6.71	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
99	MP2B	X	3.874	3.874	0	%100
100	MP2B	Z	-6.71	-6.71	0	%100
101	MP1B	X	3.874	3.874	0	%100
102	MP1B	Z	-6.71	-6.71	0	%100
103	M112	X	3.517	3.517	0	%100
104	M112	Z	-6.092	-6.092	0	%100
105	M113	X	3.517	3.517	0	%100
106	M113	Z	-6.092	-6.092	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	0	0	0	%100
109	M121	X	4.438	4.438	0	%100
110	M121	Z	-7.687	-7.687	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	4.438	4.438	0	%100
114	M123	Z	-7.687	-7.687	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.472	2.472	0	%100
2	M1	Z	-1.427	-1.427	0	%100
3	M4	X	7.533	7.533	0	%100
4	M4	Z	-4.349	-4.349	0	%100
5	M10	X	2.125	2.125	0	%100
6	M10	Z	-1.227	-1.227	0	%100
7	MP3A	X	6.71	6.71	0	%100
8	MP3A	Z	-3.874	-3.874	0	%100
9	MP4A	X	6.71	6.71	0	%100
10	MP4A	Z	-3.874	-3.874	0	%100
11	MP2A	X	6.71	6.71	0	%100
12	MP2A	Z	-3.874	-3.874	0	%100
13	MP1A	X	6.71	6.71	0	%100
14	MP1A	Z	-3.874	-3.874	0	%100
15	M43	X	2.125	2.125	0	%100
16	M43	Z	-1.227	-1.227	0	%100
17	M46	X	4.238	4.238	0	%100
18	M46	Z	-2.447	-2.447	0	%100
19	M51B	X	9.413	9.413	0	%100
20	M51B	Z	-5.434	-5.434	0	%100
21	M52B	X	2.353	2.353	0	%100
22	M52B	Z	-1.359	-1.359	0	%100
23	M76	X	12.713	12.713	0	%100
24	M76	Z	-7.34	-7.34	0	%100
25	M77	X	17.265	17.265	0	%100
26	M77	Z	-9.968	-9.968	0	%100
27	M80	X	18.185	18.185	0	%100
28	M80	Z	-10.499	-10.499	0	%100
29	M84	X	12.713	12.713	0	%100
30	M84	Z	-7.34	-7.34	0	%100
31	M85	X	4.316	4.316	0	%100
32	M85	Z	-2.492	-2.492	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
33	M91	X	4.546	4.546	0	%100
34	M91	Z	-2.625	-2.625	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	8.498	8.498	0	%100
38	M53	Z	-4.907	-4.907	0	%100
39	M54	X	8.498	8.498	0	%100
40	M54	Z	-4.907	-4.907	0	%100
41	M55	X	16.951	16.951	0	%100
42	M55	Z	-9.787	-9.787	0	%100
43	M58A	X	2.353	2.353	0	%100
44	M58A	Z	-1.359	-1.359	0	%100
45	M59A	X	2.353	2.353	0	%100
46	M59A	Z	-1.359	-1.359	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	4.316	4.316	0	%100
50	M64	Z	-2.492	-2.492	0	%100
51	M66	X	4.546	4.546	0	%100
52	M66	Z	-2.625	-2.625	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	4.316	4.316	0	%100
56	M69	Z	-2.492	-2.492	0	%100
57	M71	X	4.546	4.546	0	%100
58	M71	Z	-2.625	-2.625	0	%100
59	M76A	X	7.533	7.533	0	%100
60	M76A	Z	-4.349	-4.349	0	%100
61	M77A	X	2.125	2.125	0	%100
62	M77A	Z	-1.227	-1.227	0	%100
63	M78	X	2.125	2.125	0	%100
64	M78	Z	-1.227	-1.227	0	%100
65	M79A	X	4.238	4.238	0	%100
66	M79A	Z	-2.447	-2.447	0	%100
67	M82	X	2.353	2.353	0	%100
68	M82	Z	-1.359	-1.359	0	%100
69	M83A	X	9.413	9.413	0	%100
70	M83A	Z	-5.434	-5.434	0	%100
71	M87	X	12.713	12.713	0	%100
72	M87	Z	-7.34	-7.34	0	%100
73	M88A	X	4.316	4.316	0	%100
74	M88A	Z	-2.492	-2.492	0	%100
75	M90	X	4.546	4.546	0	%100
76	M90	Z	-2.625	-2.625	0	%100
77	M92A	X	12.713	12.713	0	%100
78	M92A	Z	-7.34	-7.34	0	%100
79	M93	X	17.265	17.265	0	%100
80	M93	Z	-9.968	-9.968	0	%100
81	M95	X	18.185	18.185	0	%100
82	M95	Z	-10.499	-10.499	0	%100
83	M82A	X	9.888	9.888	0	%100
84	M82A	Z	-5.709	-5.709	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
85	MP3C	X	6.71	6.71	0	%100
86	MP3C	Z	-3.874	-3.874	0	%100
87	MP4C	X	6.71	6.71	0	%100
88	MP4C	Z	-3.874	-3.874	0	%100
89	MP2C	X	6.71	6.71	0	%100
90	MP2C	Z	-3.874	-3.874	0	%100
91	MP1C	X	6.71	6.71	0	%100
92	MP1C	Z	-3.874	-3.874	0	%100
93	M91B	X	2.472	2.472	0	%100
94	M91B	Z	-1.427	-1.427	0	%100
95	MP3B	X	6.71	6.71	0	%100
96	MP3B	Z	-3.874	-3.874	0	%100
97	MP4B	X	6.71	6.71	0	%100
98	MP4B	Z	-3.874	-3.874	0	%100
99	MP2B	X	6.71	6.71	0	%100
100	MP2B	Z	-3.874	-3.874	0	%100
101	MP1B	X	6.71	6.71	0	%100
102	MP1B	Z	-3.874	-3.874	0	%100
103	M112	X	2.031	2.031	0	%100
104	M112	Z	-1.172	-1.172	0	%100
105	M113	X	8.122	8.122	0	%100
106	M113	Z	-4.689	-4.689	0	%100
107	M114	X	2.031	2.031	0	%100
108	M114	Z	-1.172	-1.172	0	%100
109	M121	X	10.249	10.249	0	%100
110	M121	Z	-5.917	-5.917	0	%100
111	M122	X	2.562	2.562	0	%100
112	M122	Z	-1.479	-1.479	0	%100
113	M123	X	2.562	2.562	0	%100
114	M123	Z	-1.479	-1.479	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	11.597	11.597	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	7.748	7.748	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	7.748	7.748	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	7.748	7.748	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	7.748	7.748	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

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
19	M51B	X	8.152	8.152	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	8.152	8.152	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	19.573	19.573	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	14.952	14.952	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	15.748	15.748	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	19.573	19.573	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	14.952	14.952	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	15.748	15.748	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	2.899	2.899	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	7.36	7.36	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	7.36	7.36	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	14.68	14.68	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	8.152	8.152	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	4.893	4.893	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	14.952	14.952	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	15.748	15.748	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	4.893	4.893	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
58	M71	Z	0	0	0	%100
59	M76A	X	2.899	2.899	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	7.36	7.36	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	7.36	7.36	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	14.68	14.68	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	8.152	8.152	0	%100
70	M83A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
71	M87	X	4.893	4.893	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	4.893	4.893	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	14.952	14.952	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	15.748	15.748	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	8.563	8.563	0	%100
84	M82A	Z	0	0	0	%100
85	MP3C	X	7.748	7.748	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	7.748	7.748	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	7.748	7.748	0	%100
90	MP2C	Z	0	0	0	%100
91	MP1C	X	7.748	7.748	0	%100
92	MP1C	Z	0	0	0	%100
93	M91B	X	8.563	8.563	0	%100
94	M91B	Z	0	0	0	%100
95	MP3B	X	7.748	7.748	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	7.748	7.748	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	7.748	7.748	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	7.748	7.748	0	%100
102	MP1B	Z	0	0	0	%100
103	M112	X	0	0	0	%100
104	M112	Z	0	0	0	%100
105	M113	X	7.034	7.034	0	%100
106	M113	Z	0	0	0	%100
107	M114	X	7.034	7.034	0	%100
108	M114	Z	0	0	0	%100
109	M121	X	8.876	8.876	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	8.876	8.876	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.472	2.472	0	%100
2	M1	Z	1.427	1.427	0	%100
3	M4	X	7.533	7.533	0	%100
4	M4	Z	4.349	4.349	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
5	M10	X	2.125	2.125	0	%100
6	M10	Z	1.227	1.227	0	%100
7	MP3A	X	6.71	6.71	0	%100
8	MP3A	Z	3.874	3.874	0	%100
9	MP4A	X	6.71	6.71	0	%100
10	MP4A	Z	3.874	3.874	0	%100
11	MP2A	X	6.71	6.71	0	%100
12	MP2A	Z	3.874	3.874	0	%100
13	MP1A	X	6.71	6.71	0	%100
14	MP1A	Z	3.874	3.874	0	%100
15	M43	X	2.125	2.125	0	%100
16	M43	Z	1.227	1.227	0	%100
17	M46	X	4.238	4.238	0	%100
18	M46	Z	2.447	2.447	0	%100
19	M51B	X	2.353	2.353	0	%100
20	M51B	Z	1.359	1.359	0	%100
21	M52B	X	9.413	9.413	0	%100
22	M52B	Z	5.434	5.434	0	%100
23	M76	X	12.713	12.713	0	%100
24	M76	Z	7.34	7.34	0	%100
25	M77	X	4.316	4.316	0	%100
26	M77	Z	2.492	2.492	0	%100
27	M80	X	4.546	4.546	0	%100
28	M80	Z	2.625	2.625	0	%100
29	M84	X	12.713	12.713	0	%100
30	M84	Z	7.34	7.34	0	%100
31	M85	X	17.265	17.265	0	%100
32	M85	Z	9.968	9.968	0	%100
33	M91	X	18.185	18.185	0	%100
34	M91	Z	10.499	10.499	0	%100
35	M52A	X	7.533	7.533	0	%100
36	M52A	Z	4.349	4.349	0	%100
37	M53	X	2.125	2.125	0	%100
38	M53	Z	1.227	1.227	0	%100
39	M54	X	2.125	2.125	0	%100
40	M54	Z	1.227	1.227	0	%100
41	M55	X	4.238	4.238	0	%100
42	M55	Z	2.447	2.447	0	%100
43	M58A	X	9.413	9.413	0	%100
44	M58A	Z	5.434	5.434	0	%100
45	M59A	X	2.353	2.353	0	%100
46	M59A	Z	1.359	1.359	0	%100
47	M63	X	12.713	12.713	0	%100
48	M63	Z	7.34	7.34	0	%100
49	M64	X	17.265	17.265	0	%100
50	M64	Z	9.968	9.968	0	%100
51	M66	X	18.185	18.185	0	%100
52	M66	Z	10.499	10.499	0	%100
53	M68	X	12.713	12.713	0	%100
54	M68	Z	7.34	7.34	0	%100
55	M69	X	4.316	4.316	0	%100
56	M69	Z	2.492	2.492	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
57	M71	X	4.546	4.546	0	%100
58	M71	Z	2.625	2.625	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	8.498	8.498	0	%100
62	M77A	Z	4.907	4.907	0	%100
63	M78	X	8.498	8.498	0	%100
64	M78	Z	4.907	4.907	0	%100
65	M79A	X	16.951	16.951	0	%100
66	M79A	Z	9.787	9.787	0	%100
67	M82	X	2.353	2.353	0	%100
68	M82	Z	1.359	1.359	0	%100
69	M83A	X	2.353	2.353	0	%100
70	M83A	Z	1.359	1.359	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	4.316	4.316	0	%100
74	M88A	Z	2.492	2.492	0	%100
75	M90	X	4.546	4.546	0	%100
76	M90	Z	2.625	2.625	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	4.316	4.316	0	%100
80	M93	Z	2.492	2.492	0	%100
81	M95	X	4.546	4.546	0	%100
82	M95	Z	2.625	2.625	0	%100
83	M82A	X	2.472	2.472	0	%100
84	M82A	Z	1.427	1.427	0	%100
85	MP3C	X	6.71	6.71	0	%100
86	MP3C	Z	3.874	3.874	0	%100
87	MP4C	X	6.71	6.71	0	%100
88	MP4C	Z	3.874	3.874	0	%100
89	MP2C	X	6.71	6.71	0	%100
90	MP2C	Z	3.874	3.874	0	%100
91	MP1C	X	6.71	6.71	0	%100
92	MP1C	Z	3.874	3.874	0	%100
93	M91B	X	9.888	9.888	0	%100
94	M91B	Z	5.709	5.709	0	%100
95	MP3B	X	6.71	6.71	0	%100
96	MP3B	Z	3.874	3.874	0	%100
97	MP4B	X	6.71	6.71	0	%100
98	MP4B	Z	3.874	3.874	0	%100
99	MP2B	X	6.71	6.71	0	%100
100	MP2B	Z	3.874	3.874	0	%100
101	MP1B	X	6.71	6.71	0	%100
102	MP1B	Z	3.874	3.874	0	%100
103	M112	X	2.031	2.031	0	%100
104	M112	Z	1.172	1.172	0	%100
105	M113	X	2.031	2.031	0	%100
106	M113	Z	1.172	1.172	0	%100
107	M114	X	8.122	8.122	0	%100
108	M114	Z	4.689	4.689	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
109	M121	X	2.562	2.562	0	%100
110	M121	Z	1.479	1.479	0	%100
111	M122	X	10.249	10.249	0	%100
112	M122	Z	5.917	5.917	0	%100
113	M123	X	2.562	2.562	0	%100
114	M123	Z	1.479	1.479	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.282	4.282	0	%100
2	M1	Z	7.416	7.416	0	%100
3	M4	X	1.45	1.45	0	%100
4	M4	Z	2.511	2.511	0	%100
5	M10	X	3.68	3.68	0	%100
6	M10	Z	6.374	6.374	0	%100
7	MP3A	X	3.874	3.874	0	%100
8	MP3A	Z	6.71	6.71	0	%100
9	MP4A	X	3.874	3.874	0	%100
10	MP4A	Z	6.71	6.71	0	%100
11	MP2A	X	3.874	3.874	0	%100
12	MP2A	Z	6.71	6.71	0	%100
13	MP1A	X	3.874	3.874	0	%100
14	MP1A	Z	6.71	6.71	0	%100
15	M43	X	3.68	3.68	0	%100
16	M43	Z	6.374	6.374	0	%100
17	M46	X	7.34	7.34	0	%100
18	M46	Z	12.713	12.713	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	4.076	4.076	0	%100
22	M52B	Z	7.059	7.059	0	%100
23	M76	X	2.447	2.447	0	%100
24	M76	Z	4.238	4.238	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	2.447	2.447	0	%100
30	M84	Z	4.238	4.238	0	%100
31	M85	X	7.476	7.476	0	%100
32	M85	Z	12.949	12.949	0	%100
33	M91	X	7.874	7.874	0	%100
34	M91	Z	13.639	13.639	0	%100
35	M52A	X	5.799	5.799	0	%100
36	M52A	Z	10.043	10.043	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

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
43	M58A	X	4.076	4.076	0	%100
44	M58A	Z	7.059	7.059	0	%100
45	M59A	X	4.076	4.076	0	%100
46	M59A	Z	7.059	7.059	0	%100
47	M63	X	9.787	9.787	0	%100
48	M63	Z	16.951	16.951	0	%100
49	M64	X	7.476	7.476	0	%100
50	M64	Z	12.949	12.949	0	%100
51	M66	X	7.874	7.874	0	%100
52	M66	Z	13.639	13.639	0	%100
53	M68	X	9.787	9.787	0	%100
54	M68	Z	16.951	16.951	0	%100
55	M69	X	7.476	7.476	0	%100
56	M69	Z	12.949	12.949	0	%100
57	M71	X	7.874	7.874	0	%100
58	M71	Z	13.639	13.639	0	%100
59	M76A	X	1.45	1.45	0	%100
60	M76A	Z	2.511	2.511	0	%100
61	M77A	X	3.68	3.68	0	%100
62	M77A	Z	6.374	6.374	0	%100
63	M78	X	3.68	3.68	0	%100
64	M78	Z	6.374	6.374	0	%100
65	M79A	X	7.34	7.34	0	%100
66	M79A	Z	12.713	12.713	0	%100
67	M82	X	4.076	4.076	0	%100
68	M82	Z	7.059	7.059	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	2.447	2.447	0	%100
72	M87	Z	4.238	4.238	0	%100
73	M88A	X	7.476	7.476	0	%100
74	M88A	Z	12.949	12.949	0	%100
75	M90	X	7.874	7.874	0	%100
76	M90	Z	13.639	13.639	0	%100
77	M92A	X	2.447	2.447	0	%100
78	M92A	Z	4.238	4.238	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	MP3C	X	3.874	3.874	0	%100
86	MP3C	Z	6.71	6.71	0	%100
87	MP4C	X	3.874	3.874	0	%100
88	MP4C	Z	6.71	6.71	0	%100
89	MP2C	X	3.874	3.874	0	%100
90	MP2C	Z	6.71	6.71	0	%100
91	MP1C	X	3.874	3.874	0	%100
92	MP1C	Z	6.71	6.71	0	%100
93	M91B	X	4.282	4.282	0	%100
94	M91B	Z	7.416	7.416	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
95	MP3B	X	3.874	3.874	0	%100
96	MP3B	Z	6.71	6.71	0	%100
97	MP4B	X	3.874	3.874	0	%100
98	MP4B	Z	6.71	6.71	0	%100
99	MP2B	X	3.874	3.874	0	%100
100	MP2B	Z	6.71	6.71	0	%100
101	MP1B	X	3.874	3.874	0	%100
102	MP1B	Z	6.71	6.71	0	%100
103	M112	X	3.517	3.517	0	%100
104	M112	Z	6.092	6.092	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	M114	X	3.517	3.517	0	%100
108	M114	Z	6.092	6.092	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	4.438	4.438	0	%100
112	M122	Z	7.687	7.687	0	%100
113	M123	X	4.438	4.438	0	%100
114	M123	Z	7.687	7.687	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	11.418	11.418	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	9.813	9.813	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	7.748	7.748	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	7.748	7.748	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	7.748	7.748	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	7.748	7.748	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	9.813	9.813	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	19.573	19.573	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	2.717	2.717	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	2.717	2.717	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	4.984	4.984	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	5.249	5.249	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	4.984	4.984	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	5.249	5.249	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	8.698	8.698	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	2.453	2.453	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	2.453	2.453	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	4.893	4.893	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	2.717	2.717	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	10.869	10.869	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	14.68	14.68	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	4.984	4.984	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	5.249	5.249	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	14.68	14.68	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	19.936	19.936	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	20.998	20.998	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	8.698	8.698	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	2.453	2.453	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	2.453	2.453	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	4.893	4.893	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	10.869	10.869	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	2.717	2.717	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	14.68	14.68	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	19.936	19.936	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	20.998	20.998	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	14.68	14.68	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	4.984	4.984	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
81	M95	X	0	0	0	%100
82	M95	Z	5.249	5.249	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	2.854	2.854	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	7.748	7.748	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	7.748	7.748	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	7.748	7.748	0	%100
91	MP1C	X	0	0	0	%100
92	MP1C	Z	7.748	7.748	0	%100
93	M91B	X	0	0	0	%100
94	M91B	Z	2.854	2.854	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	7.748	7.748	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	7.748	7.748	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	7.748	7.748	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	7.748	7.748	0	%100
103	M112	X	0	0	0	%100
104	M112	Z	9.379	9.379	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	2.345	2.345	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	2.345	2.345	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	2.959	2.959	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	2.959	2.959	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	11.835	11.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.282	-4.282	0	%100
2	M1	Z	7.416	7.416	0	%100
3	M4	X	-1.45	-1.45	0	%100
4	M4	Z	2.511	2.511	0	%100
5	M10	X	-3.68	-3.68	0	%100
6	M10	Z	6.374	6.374	0	%100
7	MP3A	X	-3.874	-3.874	0	%100
8	MP3A	Z	6.71	6.71	0	%100
9	MP4A	X	-3.874	-3.874	0	%100
10	MP4A	Z	6.71	6.71	0	%100
11	MP2A	X	-3.874	-3.874	0	%100
12	MP2A	Z	6.71	6.71	0	%100
13	MP1A	X	-3.874	-3.874	0	%100
14	MP1A	Z	6.71	6.71	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
15	M43	X	-3.68	-3.68	0	%100
16	M43	Z	6.374	6.374	0	%100
17	M46	X	-7.34	-7.34	0	%100
18	M46	Z	12.713	12.713	0	%100
19	M51B	X	-4.076	-4.076	0	%100
20	M51B	Z	7.059	7.059	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-2.447	-2.447	0	%100
24	M76	Z	4.238	4.238	0	%100
25	M77	X	-7.476	-7.476	0	%100
26	M77	Z	12.949	12.949	0	%100
27	M80	X	-7.874	-7.874	0	%100
28	M80	Z	13.639	13.639	0	%100
29	M84	X	-2.447	-2.447	0	%100
30	M84	Z	4.238	4.238	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	-1.45	-1.45	0	%100
36	M52A	Z	2.511	2.511	0	%100
37	M53	X	-3.68	-3.68	0	%100
38	M53	Z	6.374	6.374	0	%100
39	M54	X	-3.68	-3.68	0	%100
40	M54	Z	6.374	6.374	0	%100
41	M55	X	-7.34	-7.34	0	%100
42	M55	Z	12.713	12.713	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-4.076	-4.076	0	%100
46	M59A	Z	7.059	7.059	0	%100
47	M63	X	-2.447	-2.447	0	%100
48	M63	Z	4.238	4.238	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	-2.447	-2.447	0	%100
54	M68	Z	4.238	4.238	0	%100
55	M69	X	-7.476	-7.476	0	%100
56	M69	Z	12.949	12.949	0	%100
57	M71	X	-7.874	-7.874	0	%100
58	M71	Z	13.639	13.639	0	%100
59	M76A	X	-5.799	-5.799	0	%100
60	M76A	Z	10.043	10.043	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

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
67	M82	X	-4.076	-4.076	0	%100
68	M82	Z	7.059	7.059	0	%100
69	M83A	X	-4.076	-4.076	0	%100
70	M83A	Z	7.059	7.059	0	%100
71	M87	X	-9.787	-9.787	0	%100
72	M87	Z	16.951	16.951	0	%100
73	M88A	X	-7.476	-7.476	0	%100
74	M88A	Z	12.949	12.949	0	%100
75	M90	X	-7.874	-7.874	0	%100
76	M90	Z	13.639	13.639	0	%100
77	M92A	X	-9.787	-9.787	0	%100
78	M92A	Z	16.951	16.951	0	%100
79	M93	X	-7.476	-7.476	0	%100
80	M93	Z	12.949	12.949	0	%100
81	M95	X	-7.874	-7.874	0	%100
82	M95	Z	13.639	13.639	0	%100
83	M82A	X	-4.282	-4.282	0	%100
84	M82A	Z	7.416	7.416	0	%100
85	MP3C	X	-3.874	-3.874	0	%100
86	MP3C	Z	6.71	6.71	0	%100
87	MP4C	X	-3.874	-3.874	0	%100
88	MP4C	Z	6.71	6.71	0	%100
89	MP2C	X	-3.874	-3.874	0	%100
90	MP2C	Z	6.71	6.71	0	%100
91	MP1C	X	-3.874	-3.874	0	%100
92	MP1C	Z	6.71	6.71	0	%100
93	M91B	X	0	0	0	%100
94	M91B	Z	0	0	0	%100
95	MP3B	X	-3.874	-3.874	0	%100
96	MP3B	Z	6.71	6.71	0	%100
97	MP4B	X	-3.874	-3.874	0	%100
98	MP4B	Z	6.71	6.71	0	%100
99	MP2B	X	-3.874	-3.874	0	%100
100	MP2B	Z	6.71	6.71	0	%100
101	MP1B	X	-3.874	-3.874	0	%100
102	MP1B	Z	6.71	6.71	0	%100
103	M112	X	-3.517	-3.517	0	%100
104	M112	Z	6.092	6.092	0	%100
105	M113	X	-3.517	-3.517	0	%100
106	M113	Z	6.092	6.092	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	0	0	0	%100
109	M121	X	-4.438	-4.438	0	%100
110	M121	Z	7.687	7.687	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	-4.438	-4.438	0	%100
114	M123	Z	7.687	7.687	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.472	-2.472	0	%100
2	M1	Z	1.427	1.427	0	%100
3	M4	X	-7.533	-7.533	0	%100
4	M4	Z	4.349	4.349	0	%100
5	M10	X	-2.125	-2.125	0	%100
6	M10	Z	1.227	1.227	0	%100
7	MP3A	X	-6.71	-6.71	0	%100
8	MP3A	Z	3.874	3.874	0	%100
9	MP4A	X	-6.71	-6.71	0	%100
10	MP4A	Z	3.874	3.874	0	%100
11	MP2A	X	-6.71	-6.71	0	%100
12	MP2A	Z	3.874	3.874	0	%100
13	MP1A	X	-6.71	-6.71	0	%100
14	MP1A	Z	3.874	3.874	0	%100
15	M43	X	-2.125	-2.125	0	%100
16	M43	Z	1.227	1.227	0	%100
17	M46	X	-4.238	-4.238	0	%100
18	M46	Z	2.447	2.447	0	%100
19	M51B	X	-9.413	-9.413	0	%100
20	M51B	Z	5.434	5.434	0	%100
21	M52B	X	-2.353	-2.353	0	%100
22	M52B	Z	1.359	1.359	0	%100
23	M76	X	-12.713	-12.713	0	%100
24	M76	Z	7.34	7.34	0	%100
25	M77	X	-17.265	-17.265	0	%100
26	M77	Z	9.968	9.968	0	%100
27	M80	X	-18.185	-18.185	0	%100
28	M80	Z	10.499	10.499	0	%100
29	M84	X	-12.713	-12.713	0	%100
30	M84	Z	7.34	7.34	0	%100
31	M85	X	-4.316	-4.316	0	%100
32	M85	Z	2.492	2.492	0	%100
33	M91	X	-4.546	-4.546	0	%100
34	M91	Z	2.625	2.625	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-8.498	-8.498	0	%100
38	M53	Z	4.907	4.907	0	%100
39	M54	X	-8.498	-8.498	0	%100
40	M54	Z	4.907	4.907	0	%100
41	M55	X	-16.951	-16.951	0	%100
42	M55	Z	9.787	9.787	0	%100
43	M58A	X	-2.353	-2.353	0	%100
44	M58A	Z	1.359	1.359	0	%100
45	M59A	X	-2.353	-2.353	0	%100
46	M59A	Z	1.359	1.359	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-4.316	-4.316	0	%100
50	M64	Z	2.492	2.492	0	%100
51	M66	X	-4.546	-4.546	0	%100
52	M66	Z	2.625	2.625	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-4.316	-4.316	0	%100
56	M69	Z	2.492	2.492	0	%100
57	M71	X	-4.546	-4.546	0	%100
58	M71	Z	2.625	2.625	0	%100
59	M76A	X	-7.533	-7.533	0	%100
60	M76A	Z	4.349	4.349	0	%100
61	M77A	X	-2.125	-2.125	0	%100
62	M77A	Z	1.227	1.227	0	%100
63	M78	X	-2.125	-2.125	0	%100
64	M78	Z	1.227	1.227	0	%100
65	M79A	X	-4.238	-4.238	0	%100
66	M79A	Z	2.447	2.447	0	%100
67	M82	X	-2.353	-2.353	0	%100
68	M82	Z	1.359	1.359	0	%100
69	M83A	X	-9.413	-9.413	0	%100
70	M83A	Z	5.434	5.434	0	%100
71	M87	X	-12.713	-12.713	0	%100
72	M87	Z	7.34	7.34	0	%100
73	M88A	X	-4.316	-4.316	0	%100
74	M88A	Z	2.492	2.492	0	%100
75	M90	X	-4.546	-4.546	0	%100
76	M90	Z	2.625	2.625	0	%100
77	M92A	X	-12.713	-12.713	0	%100
78	M92A	Z	7.34	7.34	0	%100
79	M93	X	-17.265	-17.265	0	%100
80	M93	Z	9.968	9.968	0	%100
81	M95	X	-18.185	-18.185	0	%100
82	M95	Z	10.499	10.499	0	%100
83	M82A	X	-9.888	-9.888	0	%100
84	M82A	Z	5.709	5.709	0	%100
85	MP3C	X	-6.71	-6.71	0	%100
86	MP3C	Z	3.874	3.874	0	%100
87	MP4C	X	-6.71	-6.71	0	%100
88	MP4C	Z	3.874	3.874	0	%100
89	MP2C	X	-6.71	-6.71	0	%100
90	MP2C	Z	3.874	3.874	0	%100
91	MP1C	X	-6.71	-6.71	0	%100
92	MP1C	Z	3.874	3.874	0	%100
93	M91B	X	-2.472	-2.472	0	%100
94	M91B	Z	1.427	1.427	0	%100
95	MP3B	X	-6.71	-6.71	0	%100
96	MP3B	Z	3.874	3.874	0	%100
97	MP4B	X	-6.71	-6.71	0	%100
98	MP4B	Z	3.874	3.874	0	%100
99	MP2B	X	-6.71	-6.71	0	%100
100	MP2B	Z	3.874	3.874	0	%100
101	MP1B	X	-6.71	-6.71	0	%100
102	MP1B	Z	3.874	3.874	0	%100
103	M112	X	-2.031	-2.031	0	%100
104	M112	Z	1.172	1.172	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
105	M113	X	-8.122	-8.122	0	%100
106	M113	Z	4.689	4.689	0	%100
107	M114	X	-2.031	-2.031	0	%100
108	M114	Z	1.172	1.172	0	%100
109	M121	X	-10.249	-10.249	0	%100
110	M121	Z	5.917	5.917	0	%100
111	M122	X	-2.562	-2.562	0	%100
112	M122	Z	1.479	1.479	0	%100
113	M123	X	-2.562	-2.562	0	%100
114	M123	Z	1.479	1.479	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-11.597	-11.597	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	-7.748	-7.748	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-7.748	-7.748	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-7.748	-7.748	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-7.748	-7.748	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	-8.152	-8.152	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-8.152	-8.152	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-19.573	-19.573	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-14.952	-14.952	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-15.748	-15.748	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-19.573	-19.573	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-14.952	-14.952	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-15.748	-15.748	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-2.899	-2.899	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-7.36	-7.36	0	%100
38	M53	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
39	M54	X	-7.36	-7.36	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-14.68	-14.68	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-8.152	-8.152	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	-4.893	-4.893	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-14.952	-14.952	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-15.748	-15.748	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-4.893	-4.893	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
58	M71	Z	0	0	0	%100
59	M76A	X	-2.899	-2.899	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-7.36	-7.36	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-7.36	-7.36	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-14.68	-14.68	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	-8.152	-8.152	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-4.893	-4.893	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	-4.893	-4.893	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-14.952	-14.952	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-15.748	-15.748	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-8.563	-8.563	0	%100
84	M82A	Z	0	0	0	%100
85	MP3C	X	-7.748	-7.748	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	-7.748	-7.748	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	-7.748	-7.748	0	%100
90	MP2C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
91	MP1C	X	-7.748	-7.748	0	%100
92	MP1C	Z	0	0	0	%100
93	M91B	X	-8.563	-8.563	0	%100
94	M91B	Z	0	0	0	%100
95	MP3B	X	-7.748	-7.748	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	-7.748	-7.748	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-7.748	-7.748	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-7.748	-7.748	0	%100
102	MP1B	Z	0	0	0	%100
103	M112	X	0	0	0	%100
104	M112	Z	0	0	0	%100
105	M113	X	-7.034	-7.034	0	%100
106	M113	Z	0	0	0	%100
107	M114	X	-7.034	-7.034	0	%100
108	M114	Z	0	0	0	%100
109	M121	X	-8.876	-8.876	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-8.876	-8.876	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.472	-2.472	0	%100
2	M1	Z	-1.427	-1.427	0	%100
3	M4	X	-7.533	-7.533	0	%100
4	M4	Z	-4.349	-4.349	0	%100
5	M10	X	-2.125	-2.125	0	%100
6	M10	Z	-1.227	-1.227	0	%100
7	MP3A	X	-6.71	-6.71	0	%100
8	MP3A	Z	-3.874	-3.874	0	%100
9	MP4A	X	-6.71	-6.71	0	%100
10	MP4A	Z	-3.874	-3.874	0	%100
11	MP2A	X	-6.71	-6.71	0	%100
12	MP2A	Z	-3.874	-3.874	0	%100
13	MP1A	X	-6.71	-6.71	0	%100
14	MP1A	Z	-3.874	-3.874	0	%100
15	M43	X	-2.125	-2.125	0	%100
16	M43	Z	-1.227	-1.227	0	%100
17	M46	X	-4.238	-4.238	0	%100
18	M46	Z	-2.447	-2.447	0	%100
19	M51B	X	-2.353	-2.353	0	%100
20	M51B	Z	-1.359	-1.359	0	%100
21	M52B	X	-9.413	-9.413	0	%100
22	M52B	Z	-5.434	-5.434	0	%100
23	M76	X	-12.713	-12.713	0	%100
24	M76	Z	-7.34	-7.34	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
25	M77	X	-4.316	-4.316	0	%100
26	M77	Z	-2.492	-2.492	0	%100
27	M80	X	-4.546	-4.546	0	%100
28	M80	Z	-2.625	-2.625	0	%100
29	M84	X	-12.713	-12.713	0	%100
30	M84	Z	-7.34	-7.34	0	%100
31	M85	X	-17.265	-17.265	0	%100
32	M85	Z	-9.968	-9.968	0	%100
33	M91	X	-18.185	-18.185	0	%100
34	M91	Z	-10.499	-10.499	0	%100
35	M52A	X	-7.533	-7.533	0	%100
36	M52A	Z	-4.349	-4.349	0	%100
37	M53	X	-2.125	-2.125	0	%100
38	M53	Z	-1.227	-1.227	0	%100
39	M54	X	-2.125	-2.125	0	%100
40	M54	Z	-1.227	-1.227	0	%100
41	M55	X	-4.238	-4.238	0	%100
42	M55	Z	-2.447	-2.447	0	%100
43	M58A	X	-9.413	-9.413	0	%100
44	M58A	Z	-5.434	-5.434	0	%100
45	M59A	X	-2.353	-2.353	0	%100
46	M59A	Z	-1.359	-1.359	0	%100
47	M63	X	-12.713	-12.713	0	%100
48	M63	Z	-7.34	-7.34	0	%100
49	M64	X	-17.265	-17.265	0	%100
50	M64	Z	-9.968	-9.968	0	%100
51	M66	X	-18.185	-18.185	0	%100
52	M66	Z	-10.499	-10.499	0	%100
53	M68	X	-12.713	-12.713	0	%100
54	M68	Z	-7.34	-7.34	0	%100
55	M69	X	-4.316	-4.316	0	%100
56	M69	Z	-2.492	-2.492	0	%100
57	M71	X	-4.546	-4.546	0	%100
58	M71	Z	-2.625	-2.625	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-8.498	-8.498	0	%100
62	M77A	Z	-4.907	-4.907	0	%100
63	M78	X	-8.498	-8.498	0	%100
64	M78	Z	-4.907	-4.907	0	%100
65	M79A	X	-16.951	-16.951	0	%100
66	M79A	Z	-9.787	-9.787	0	%100
67	M82	X	-2.353	-2.353	0	%100
68	M82	Z	-1.359	-1.359	0	%100
69	M83A	X	-2.353	-2.353	0	%100
70	M83A	Z	-1.359	-1.359	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-4.316	-4.316	0	%100
74	M88A	Z	-2.492	-2.492	0	%100
75	M90	X	-4.546	-4.546	0	%100
76	M90	Z	-2.625	-2.625	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-4.316	-4.316	0	%100
80	M93	Z	-2.492	-2.492	0	%100
81	M95	X	-4.546	-4.546	0	%100
82	M95	Z	-2.625	-2.625	0	%100
83	M82A	X	-2.472	-2.472	0	%100
84	M82A	Z	-1.427	-1.427	0	%100
85	MP3C	X	-6.71	-6.71	0	%100
86	MP3C	Z	-3.874	-3.874	0	%100
87	MP4C	X	-6.71	-6.71	0	%100
88	MP4C	Z	-3.874	-3.874	0	%100
89	MP2C	X	-6.71	-6.71	0	%100
90	MP2C	Z	-3.874	-3.874	0	%100
91	MP1C	X	-6.71	-6.71	0	%100
92	MP1C	Z	-3.874	-3.874	0	%100
93	M91B	X	-9.888	-9.888	0	%100
94	M91B	Z	-5.709	-5.709	0	%100
95	MP3B	X	-6.71	-6.71	0	%100
96	MP3B	Z	-3.874	-3.874	0	%100
97	MP4B	X	-6.71	-6.71	0	%100
98	MP4B	Z	-3.874	-3.874	0	%100
99	MP2B	X	-6.71	-6.71	0	%100
100	MP2B	Z	-3.874	-3.874	0	%100
101	MP1B	X	-6.71	-6.71	0	%100
102	MP1B	Z	-3.874	-3.874	0	%100
103	M112	X	-2.031	-2.031	0	%100
104	M112	Z	-1.172	-1.172	0	%100
105	M113	X	-2.031	-2.031	0	%100
106	M113	Z	-1.172	-1.172	0	%100
107	M114	X	-8.122	-8.122	0	%100
108	M114	Z	-4.689	-4.689	0	%100
109	M121	X	-2.562	-2.562	0	%100
110	M121	Z	-1.479	-1.479	0	%100
111	M122	X	-10.249	-10.249	0	%100
112	M122	Z	-5.917	-5.917	0	%100
113	M123	X	-2.562	-2.562	0	%100
114	M123	Z	-1.479	-1.479	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.282	-4.282	0	%100
2	M1	Z	-7.416	-7.416	0	%100
3	M4	X	-1.45	-1.45	0	%100
4	M4	Z	-2.511	-2.511	0	%100
5	M10	X	-3.68	-3.68	0	%100
6	M10	Z	-6.374	-6.374	0	%100
7	MP3A	X	-3.874	-3.874	0	%100
8	MP3A	Z	-6.71	-6.71	0	%100
9	MP4A	X	-3.874	-3.874	0	%100
10	MP4A	Z	-6.71	-6.71	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
11	MP2A	X	-3.874	-3.874	0	%100
12	MP2A	Z	-6.71	-6.71	0	%100
13	MP1A	X	-3.874	-3.874	0	%100
14	MP1A	Z	-6.71	-6.71	0	%100
15	M43	X	-3.68	-3.68	0	%100
16	M43	Z	-6.374	-6.374	0	%100
17	M46	X	-7.34	-7.34	0	%100
18	M46	Z	-12.713	-12.713	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-4.076	-4.076	0	%100
22	M52B	Z	-7.059	-7.059	0	%100
23	M76	X	-2.447	-2.447	0	%100
24	M76	Z	-4.238	-4.238	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	-2.447	-2.447	0	%100
30	M84	Z	-4.238	-4.238	0	%100
31	M85	X	-7.476	-7.476	0	%100
32	M85	Z	-12.949	-12.949	0	%100
33	M91	X	-7.874	-7.874	0	%100
34	M91	Z	-13.639	-13.639	0	%100
35	M52A	X	-5.799	-5.799	0	%100
36	M52A	Z	-10.043	-10.043	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	-4.076	-4.076	0	%100
44	M58A	Z	-7.059	-7.059	0	%100
45	M59A	X	-4.076	-4.076	0	%100
46	M59A	Z	-7.059	-7.059	0	%100
47	M63	X	-9.787	-9.787	0	%100
48	M63	Z	-16.951	-16.951	0	%100
49	M64	X	-7.476	-7.476	0	%100
50	M64	Z	-12.949	-12.949	0	%100
51	M66	X	-7.874	-7.874	0	%100
52	M66	Z	-13.639	-13.639	0	%100
53	M68	X	-9.787	-9.787	0	%100
54	M68	Z	-16.951	-16.951	0	%100
55	M69	X	-7.476	-7.476	0	%100
56	M69	Z	-12.949	-12.949	0	%100
57	M71	X	-7.874	-7.874	0	%100
58	M71	Z	-13.639	-13.639	0	%100
59	M76A	X	-1.45	-1.45	0	%100
60	M76A	Z	-2.511	-2.511	0	%100
61	M77A	X	-3.68	-3.68	0	%100
62	M77A	Z	-6.374	-6.374	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
63	M78	X	-3.68	-3.68	0	%100
64	M78	Z	-6.374	-6.374	0	%100
65	M79A	X	-7.34	-7.34	0	%100
66	M79A	Z	-12.713	-12.713	0	%100
67	M82	X	-4.076	-4.076	0	%100
68	M82	Z	-7.059	-7.059	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-2.447	-2.447	0	%100
72	M87	Z	-4.238	-4.238	0	%100
73	M88A	X	-7.476	-7.476	0	%100
74	M88A	Z	-12.949	-12.949	0	%100
75	M90	X	-7.874	-7.874	0	%100
76	M90	Z	-13.639	-13.639	0	%100
77	M92A	X	-2.447	-2.447	0	%100
78	M92A	Z	-4.238	-4.238	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	MP3C	X	-3.874	-3.874	0	%100
86	MP3C	Z	-6.71	-6.71	0	%100
87	MP4C	X	-3.874	-3.874	0	%100
88	MP4C	Z	-6.71	-6.71	0	%100
89	MP2C	X	-3.874	-3.874	0	%100
90	MP2C	Z	-6.71	-6.71	0	%100
91	MP1C	X	-3.874	-3.874	0	%100
92	MP1C	Z	-6.71	-6.71	0	%100
93	M91B	X	-4.282	-4.282	0	%100
94	M91B	Z	-7.416	-7.416	0	%100
95	MP3B	X	-3.874	-3.874	0	%100
96	MP3B	Z	-6.71	-6.71	0	%100
97	MP4B	X	-3.874	-3.874	0	%100
98	MP4B	Z	-6.71	-6.71	0	%100
99	MP2B	X	-3.874	-3.874	0	%100
100	MP2B	Z	-6.71	-6.71	0	%100
101	MP1B	X	-3.874	-3.874	0	%100
102	MP1B	Z	-6.71	-6.71	0	%100
103	M112	X	-3.517	-3.517	0	%100
104	M112	Z	-6.092	-6.092	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	M114	X	-3.517	-3.517	0	%100
108	M114	Z	-6.092	-6.092	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-4.438	-4.438	0	%100
112	M122	Z	-7.687	-7.687	0	%100
113	M123	X	-4.438	-4.438	0	%100
114	M123	Z	-7.687	-7.687	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-4.239	-4.239	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	-3.28	-3.28	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-3.385	-3.385	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-3.385	-3.385	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-3.385	-3.385	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-3.385	-3.385	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-3.28	-3.28	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-4.913	-4.913	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-.929	-.929	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-.929	-.929	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	-1.235	-1.235	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-1.285	-1.285	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	-1.235	-1.235	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-1.285	-1.285	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-2.993	-2.993	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-.82	-.82	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-.82	-.82	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-1.228	-1.228	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-.929	-.929	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-3.717	-3.717	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-3.654	-3.654	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-1.235	-1.235	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-1.285	-1.285	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M68	X	0	0	0	%100
54	M68	Z	-3.654	-3.654	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-4.939	-4.939	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	-5.14	-5.14	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-2.993	-2.993	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-.82	-.82	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-.82	-.82	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-1.228	-1.228	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-3.717	-3.717	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-.929	-.929	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-3.654	-3.654	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-4.939	-4.939	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-5.14	-5.14	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-3.654	-3.654	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-1.235	-1.235	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-1.285	-1.285	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-1.06	-1.06	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	-3.385	-3.385	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-3.385	-3.385	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-3.385	-3.385	0	%100
91	MP1C	X	0	0	0	%100
92	MP1C	Z	-3.385	-3.385	0	%100
93	M91B	X	0	0	0	%100
94	M91B	Z	-1.06	-1.06	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-3.385	-3.385	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-3.385	-3.385	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-3.385	-3.385	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-3.385	-3.385	0	%100
103	M112	X	0	0	0	%100
104	M112	Z	-3.86	-3.86	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,..	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
105	M113	X	0	0	0	%100
106	M113	Z	-.965	-.965	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	-.965	-.965	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	-.906	-.906	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	-.906	-.906	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	-3.623	-3.623	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,..	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.589	1.589	0	%100
2	M1	Z	-2.753	-2.753	0	%100
3	M4	X	.499	.499	0	%100
4	M4	Z	-.864	-.864	0	%100
5	M10	X	1.23	1.23	0	%100
6	M10	Z	-2.131	-2.131	0	%100
7	MP3A	X	1.692	1.692	0	%100
8	MP3A	Z	-2.931	-2.931	0	%100
9	MP4A	X	1.692	1.692	0	%100
10	MP4A	Z	-2.931	-2.931	0	%100
11	MP2A	X	1.692	1.692	0	%100
12	MP2A	Z	-2.931	-2.931	0	%100
13	MP1A	X	1.692	1.692	0	%100
14	MP1A	Z	-2.931	-2.931	0	%100
15	M43	X	1.23	1.23	0	%100
16	M43	Z	-2.131	-2.131	0	%100
17	M46	X	1.842	1.842	0	%100
18	M46	Z	-3.191	-3.191	0	%100
19	M51B	X	1.394	1.394	0	%100
20	M51B	Z	-2.414	-2.414	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.609	.609	0	%100
24	M76	Z	-1.055	-1.055	0	%100
25	M77	X	1.852	1.852	0	%100
26	M77	Z	-3.208	-3.208	0	%100
27	M80	X	1.928	1.928	0	%100
28	M80	Z	-3.339	-3.339	0	%100
29	M84	X	.609	.609	0	%100
30	M84	Z	-1.055	-1.055	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	.499	.499	0	%100
36	M52A	Z	-.864	-.864	0	%100
37	M53	X	1.23	1.23	0	%100
38	M53	Z	-2.131	-2.131	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
39	M54	X	1.23	1.23	0	%100
40	M54	Z	-2.131	-2.131	0	%100
41	M55	X	1.842	1.842	0	%100
42	M55	Z	-3.191	-3.191	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	1.394	1.394	0	%100
46	M59A	Z	-2.414	-2.414	0	%100
47	M63	X	.609	.609	0	%100
48	M63	Z	-1.055	-1.055	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	.609	.609	0	%100
54	M68	Z	-1.055	-1.055	0	%100
55	M69	X	1.852	1.852	0	%100
56	M69	Z	-3.208	-3.208	0	%100
57	M71	X	1.928	1.928	0	%100
58	M71	Z	-3.339	-3.339	0	%100
59	M76A	X	1.995	1.995	0	%100
60	M76A	Z	-3.456	-3.456	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	1.394	1.394	0	%100
68	M82	Z	-2.414	-2.414	0	%100
69	M83A	X	1.394	1.394	0	%100
70	M83A	Z	-2.414	-2.414	0	%100
71	M87	X	2.436	2.436	0	%100
72	M87	Z	-4.219	-4.219	0	%100
73	M88A	X	1.852	1.852	0	%100
74	M88A	Z	-3.208	-3.208	0	%100
75	M90	X	1.928	1.928	0	%100
76	M90	Z	-3.339	-3.339	0	%100
77	M92A	X	2.436	2.436	0	%100
78	M92A	Z	-4.219	-4.219	0	%100
79	M93	X	1.852	1.852	0	%100
80	M93	Z	-3.208	-3.208	0	%100
81	M95	X	1.928	1.928	0	%100
82	M95	Z	-3.339	-3.339	0	%100
83	M82A	X	1.589	1.589	0	%100
84	M82A	Z	-2.753	-2.753	0	%100
85	MP3C	X	1.692	1.692	0	%100
86	MP3C	Z	-2.931	-2.931	0	%100
87	MP4C	X	1.692	1.692	0	%100
88	MP4C	Z	-2.931	-2.931	0	%100
89	MP2C	X	1.692	1.692	0	%100
90	MP2C	Z	-2.931	-2.931	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
91	MP1C	X	1.692	1.692	0	%100
92	MP1C	Z	-2.931	-2.931	0	%100
93	M91B	X	0	0	0	%100
94	M91B	Z	0	0	0	%100
95	MP3B	X	1.692	1.692	0	%100
96	MP3B	Z	-2.931	-2.931	0	%100
97	MP4B	X	1.692	1.692	0	%100
98	MP4B	Z	-2.931	-2.931	0	%100
99	MP2B	X	1.692	1.692	0	%100
100	MP2B	Z	-2.931	-2.931	0	%100
101	MP1B	X	1.692	1.692	0	%100
102	MP1B	Z	-2.931	-2.931	0	%100
103	M112	X	1.447	1.447	0	%100
104	M112	Z	-2.507	-2.507	0	%100
105	M113	X	1.447	1.447	0	%100
106	M113	Z	-2.507	-2.507	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	0	0	0	%100
109	M121	X	1.359	1.359	0	%100
110	M121	Z	-2.353	-2.353	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	1.359	1.359	0	%100
114	M123	Z	-2.353	-2.353	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.918	.918	0	%100
2	M1	Z	-.53	-.53	0	%100
3	M4	X	2.592	2.592	0	%100
4	M4	Z	-1.496	-1.496	0	%100
5	M10	X	.71	.71	0	%100
6	M10	Z	-.41	-.41	0	%100
7	MP3A	X	2.931	2.931	0	%100
8	MP3A	Z	-1.692	-1.692	0	%100
9	MP4A	X	2.931	2.931	0	%100
10	MP4A	Z	-1.692	-1.692	0	%100
11	MP2A	X	2.931	2.931	0	%100
12	MP2A	Z	-1.692	-1.692	0	%100
13	MP1A	X	2.931	2.931	0	%100
14	MP1A	Z	-1.692	-1.692	0	%100
15	M43	X	.71	.71	0	%100
16	M43	Z	-.41	-.41	0	%100
17	M46	X	1.064	1.064	0	%100
18	M46	Z	-.614	-.614	0	%100
19	M51B	X	3.219	3.219	0	%100
20	M51B	Z	-1.858	-1.858	0	%100
21	M52B	X	.805	.805	0	%100
22	M52B	Z	-.465	-.465	0	%100
23	M76	X	3.164	3.164	0	%100
24	M76	Z	-1.827	-1.827	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
25	M77	X	4.277	4.277	0	%100
26	M77	Z	-2.469	-2.469	0	%100
27	M80	X	4.452	4.452	0	%100
28	M80	Z	-2.57	-2.57	0	%100
29	M84	X	3.164	3.164	0	%100
30	M84	Z	-1.827	-1.827	0	%100
31	M85	X	1.069	1.069	0	%100
32	M85	Z	-.617	-.617	0	%100
33	M91	X	1.113	1.113	0	%100
34	M91	Z	-.643	-.643	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	2.841	2.841	0	%100
38	M53	Z	-1.64	-1.64	0	%100
39	M54	X	2.841	2.841	0	%100
40	M54	Z	-1.64	-1.64	0	%100
41	M55	X	4.254	4.254	0	%100
42	M55	Z	-2.456	-2.456	0	%100
43	M58A	X	.805	.805	0	%100
44	M58A	Z	-.465	-.465	0	%100
45	M59A	X	.805	.805	0	%100
46	M59A	Z	-.465	-.465	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	1.069	1.069	0	%100
50	M64	Z	-.617	-.617	0	%100
51	M66	X	1.113	1.113	0	%100
52	M66	Z	-.643	-.643	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	1.069	1.069	0	%100
56	M69	Z	-.617	-.617	0	%100
57	M71	X	1.113	1.113	0	%100
58	M71	Z	-.643	-.643	0	%100
59	M76A	X	2.592	2.592	0	%100
60	M76A	Z	-1.496	-1.496	0	%100
61	M77A	X	.71	.71	0	%100
62	M77A	Z	-.41	-.41	0	%100
63	M78	X	.71	.71	0	%100
64	M78	Z	-.41	-.41	0	%100
65	M79A	X	1.064	1.064	0	%100
66	M79A	Z	-.614	-.614	0	%100
67	M82	X	.805	.805	0	%100
68	M82	Z	-.465	-.465	0	%100
69	M83A	X	3.219	3.219	0	%100
70	M83A	Z	-1.858	-1.858	0	%100
71	M87	X	3.164	3.164	0	%100
72	M87	Z	-1.827	-1.827	0	%100
73	M88A	X	1.069	1.069	0	%100
74	M88A	Z	-.617	-.617	0	%100
75	M90	X	1.113	1.113	0	%100
76	M90	Z	-.643	-.643	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
77	M92A	X	3.164	3.164	0	%100
78	M92A	Z	-1.827	-1.827	0	%100
79	M93	X	4.277	4.277	0	%100
80	M93	Z	-2.469	-2.469	0	%100
81	M95	X	4.452	4.452	0	%100
82	M95	Z	-2.57	-2.57	0	%100
83	M82A	X	3.671	3.671	0	%100
84	M82A	Z	-2.119	-2.119	0	%100
85	MP3C	X	2.931	2.931	0	%100
86	MP3C	Z	-1.692	-1.692	0	%100
87	MP4C	X	2.931	2.931	0	%100
88	MP4C	Z	-1.692	-1.692	0	%100
89	MP2C	X	2.931	2.931	0	%100
90	MP2C	Z	-1.692	-1.692	0	%100
91	MP1C	X	2.931	2.931	0	%100
92	MP1C	Z	-1.692	-1.692	0	%100
93	M91B	X	.918	.918	0	%100
94	M91B	Z	-.53	-.53	0	%100
95	MP3B	X	2.931	2.931	0	%100
96	MP3B	Z	-1.692	-1.692	0	%100
97	MP4B	X	2.931	2.931	0	%100
98	MP4B	Z	-1.692	-1.692	0	%100
99	MP2B	X	2.931	2.931	0	%100
100	MP2B	Z	-1.692	-1.692	0	%100
101	MP1B	X	2.931	2.931	0	%100
102	MP1B	Z	-1.692	-1.692	0	%100
103	M112	X	.836	.836	0	%100
104	M112	Z	-.482	-.482	0	%100
105	M113	X	3.343	3.343	0	%100
106	M113	Z	-1.93	-1.93	0	%100
107	M114	X	.836	.836	0	%100
108	M114	Z	-.482	-.482	0	%100
109	M121	X	3.138	3.138	0	%100
110	M121	Z	-1.812	-1.812	0	%100
111	M122	X	.784	.784	0	%100
112	M122	Z	-.453	-.453	0	%100
113	M123	X	.784	.784	0	%100
114	M123	Z	-.453	-.453	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	3.99	3.99	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	3.385	3.385	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	3.385	3.385	0	%100
10	MP4A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
11	MP2A	X	3.385	3.385	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	3.385	3.385	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	2.788	2.788	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	2.788	2.788	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	4.872	4.872	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	3.704	3.704	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	3.855	3.855	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	4.872	4.872	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	3.704	3.704	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	3.855	3.855	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.998	.998	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	2.46	2.46	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	2.46	2.46	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	3.684	3.684	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	2.788	2.788	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	1.218	1.218	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	3.704	3.704	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	3.855	3.855	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	1.218	1.218	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
58	M71	Z	0	0	0	%100
59	M76A	X	.998	.998	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	2.46	2.46	0	%100
62	M77A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
63	M78	X	2.46	2.46	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	3.684	3.684	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	2.788	2.788	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	1.218	1.218	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	1.218	1.218	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	3.704	3.704	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	3.855	3.855	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	3.179	3.179	0	%100
84	M82A	Z	0	0	0	%100
85	MP3C	X	3.385	3.385	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	3.385	3.385	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	3.385	3.385	0	%100
90	MP2C	Z	0	0	0	%100
91	MP1C	X	3.385	3.385	0	%100
92	MP1C	Z	0	0	0	%100
93	M91B	X	3.179	3.179	0	%100
94	M91B	Z	0	0	0	%100
95	MP3B	X	3.385	3.385	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	3.385	3.385	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	3.385	3.385	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	3.385	3.385	0	%100
102	MP1B	Z	0	0	0	%100
103	M112	X	0	0	0	%100
104	M112	Z	0	0	0	%100
105	M113	X	2.895	2.895	0	%100
106	M113	Z	0	0	0	%100
107	M114	X	2.895	2.895	0	%100
108	M114	Z	0	0	0	%100
109	M121	X	2.717	2.717	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	2.717	2.717	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.918	.918	0	%100
2	M1	Z	.53	.53	0	%100
3	M4	X	2.592	2.592	0	%100
4	M4	Z	1.496	1.496	0	%100
5	M10	X	.71	.71	0	%100
6	M10	Z	.41	.41	0	%100
7	MP3A	X	2.931	2.931	0	%100
8	MP3A	Z	1.692	1.692	0	%100
9	MP4A	X	2.931	2.931	0	%100
10	MP4A	Z	1.692	1.692	0	%100
11	MP2A	X	2.931	2.931	0	%100
12	MP2A	Z	1.692	1.692	0	%100
13	MP1A	X	2.931	2.931	0	%100
14	MP1A	Z	1.692	1.692	0	%100
15	M43	X	.71	.71	0	%100
16	M43	Z	.41	.41	0	%100
17	M46	X	1.064	1.064	0	%100
18	M46	Z	.614	.614	0	%100
19	M51B	X	.805	.805	0	%100
20	M51B	Z	.465	.465	0	%100
21	M52B	X	3.219	3.219	0	%100
22	M52B	Z	1.858	1.858	0	%100
23	M76	X	3.164	3.164	0	%100
24	M76	Z	1.827	1.827	0	%100
25	M77	X	1.069	1.069	0	%100
26	M77	Z	.617	.617	0	%100
27	M80	X	1.113	1.113	0	%100
28	M80	Z	.643	.643	0	%100
29	M84	X	3.164	3.164	0	%100
30	M84	Z	1.827	1.827	0	%100
31	M85	X	4.277	4.277	0	%100
32	M85	Z	2.469	2.469	0	%100
33	M91	X	4.452	4.452	0	%100
34	M91	Z	2.57	2.57	0	%100
35	M52A	X	2.592	2.592	0	%100
36	M52A	Z	1.496	1.496	0	%100
37	M53	X	.71	.71	0	%100
38	M53	Z	.41	.41	0	%100
39	M54	X	.71	.71	0	%100
40	M54	Z	.41	.41	0	%100
41	M55	X	1.064	1.064	0	%100
42	M55	Z	.614	.614	0	%100
43	M58A	X	3.219	3.219	0	%100
44	M58A	Z	1.858	1.858	0	%100
45	M59A	X	.805	.805	0	%100
46	M59A	Z	.465	.465	0	%100
47	M63	X	3.164	3.164	0	%100
48	M63	Z	1.827	1.827	0	%100
49	M64	X	4.277	4.277	0	%100
50	M64	Z	2.469	2.469	0	%100
51	M66	X	4.452	4.452	0	%100
52	M66	Z	2.57	2.57	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M68	X	3.164	3.164	0	%100
54	M68	Z	1.827	1.827	0	%100
55	M69	X	1.069	1.069	0	%100
56	M69	Z	.617	.617	0	%100
57	M71	X	1.113	1.113	0	%100
58	M71	Z	.643	.643	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	2.841	2.841	0	%100
62	M77A	Z	1.64	1.64	0	%100
63	M78	X	2.841	2.841	0	%100
64	M78	Z	1.64	1.64	0	%100
65	M79A	X	4.254	4.254	0	%100
66	M79A	Z	2.456	2.456	0	%100
67	M82	X	.805	.805	0	%100
68	M82	Z	.465	.465	0	%100
69	M83A	X	.805	.805	0	%100
70	M83A	Z	.465	.465	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	1.069	1.069	0	%100
74	M88A	Z	.617	.617	0	%100
75	M90	X	1.113	1.113	0	%100
76	M90	Z	.643	.643	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	1.069	1.069	0	%100
80	M93	Z	.617	.617	0	%100
81	M95	X	1.113	1.113	0	%100
82	M95	Z	.643	.643	0	%100
83	M82A	X	.918	.918	0	%100
84	M82A	Z	.53	.53	0	%100
85	MP3C	X	2.931	2.931	0	%100
86	MP3C	Z	1.692	1.692	0	%100
87	MP4C	X	2.931	2.931	0	%100
88	MP4C	Z	1.692	1.692	0	%100
89	MP2C	X	2.931	2.931	0	%100
90	MP2C	Z	1.692	1.692	0	%100
91	MP1C	X	2.931	2.931	0	%100
92	MP1C	Z	1.692	1.692	0	%100
93	M91B	X	3.671	3.671	0	%100
94	M91B	Z	2.119	2.119	0	%100
95	MP3B	X	2.931	2.931	0	%100
96	MP3B	Z	1.692	1.692	0	%100
97	MP4B	X	2.931	2.931	0	%100
98	MP4B	Z	1.692	1.692	0	%100
99	MP2B	X	2.931	2.931	0	%100
100	MP2B	Z	1.692	1.692	0	%100
101	MP1B	X	2.931	2.931	0	%100
102	MP1B	Z	1.692	1.692	0	%100
103	M112	X	.836	.836	0	%100
104	M112	Z	.482	.482	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
105	M113	X	.836	.836	0	%100
106	M113	Z	.482	.482	0	%100
107	M114	X	3.343	3.343	0	%100
108	M114	Z	1.93	1.93	0	%100
109	M121	X	.784	.784	0	%100
110	M121	Z	.453	.453	0	%100
111	M122	X	3.138	3.138	0	%100
112	M122	Z	1.812	1.812	0	%100
113	M123	X	.784	.784	0	%100
114	M123	Z	.453	.453	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.589	1.589	0	%100
2	M1	Z	2.753	2.753	0	%100
3	M4	X	.499	.499	0	%100
4	M4	Z	.864	.864	0	%100
5	M10	X	1.23	1.23	0	%100
6	M10	Z	2.131	2.131	0	%100
7	MP3A	X	1.692	1.692	0	%100
8	MP3A	Z	2.931	2.931	0	%100
9	MP4A	X	1.692	1.692	0	%100
10	MP4A	Z	2.931	2.931	0	%100
11	MP2A	X	1.692	1.692	0	%100
12	MP2A	Z	2.931	2.931	0	%100
13	MP1A	X	1.692	1.692	0	%100
14	MP1A	Z	2.931	2.931	0	%100
15	M43	X	1.23	1.23	0	%100
16	M43	Z	2.131	2.131	0	%100
17	M46	X	1.842	1.842	0	%100
18	M46	Z	3.191	3.191	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	1.394	1.394	0	%100
22	M52B	Z	2.414	2.414	0	%100
23	M76	X	.609	.609	0	%100
24	M76	Z	1.055	1.055	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	.609	.609	0	%100
30	M84	Z	1.055	1.055	0	%100
31	M85	X	1.852	1.852	0	%100
32	M85	Z	3.208	3.208	0	%100
33	M91	X	1.928	1.928	0	%100
34	M91	Z	3.339	3.339	0	%100
35	M52A	X	1.995	1.995	0	%100
36	M52A	Z	3.456	3.456	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
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	1.394	1.394	0	%100
44	M58A	Z	2.414	2.414	0	%100
45	M59A	X	1.394	1.394	0	%100
46	M59A	Z	2.414	2.414	0	%100
47	M63	X	2.436	2.436	0	%100
48	M63	Z	4.219	4.219	0	%100
49	M64	X	1.852	1.852	0	%100
50	M64	Z	3.208	3.208	0	%100
51	M66	X	1.928	1.928	0	%100
52	M66	Z	3.339	3.339	0	%100
53	M68	X	2.436	2.436	0	%100
54	M68	Z	4.219	4.219	0	%100
55	M69	X	1.852	1.852	0	%100
56	M69	Z	3.208	3.208	0	%100
57	M71	X	1.928	1.928	0	%100
58	M71	Z	3.339	3.339	0	%100
59	M76A	X	.499	.499	0	%100
60	M76A	Z	.864	.864	0	%100
61	M77A	X	1.23	1.23	0	%100
62	M77A	Z	2.131	2.131	0	%100
63	M78	X	1.23	1.23	0	%100
64	M78	Z	2.131	2.131	0	%100
65	M79A	X	1.842	1.842	0	%100
66	M79A	Z	3.191	3.191	0	%100
67	M82	X	1.394	1.394	0	%100
68	M82	Z	2.414	2.414	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.609	.609	0	%100
72	M87	Z	1.055	1.055	0	%100
73	M88A	X	1.852	1.852	0	%100
74	M88A	Z	3.208	3.208	0	%100
75	M90	X	1.928	1.928	0	%100
76	M90	Z	3.339	3.339	0	%100
77	M92A	X	.609	.609	0	%100
78	M92A	Z	1.055	1.055	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	MP3C	X	1.692	1.692	0	%100
86	MP3C	Z	2.931	2.931	0	%100
87	MP4C	X	1.692	1.692	0	%100
88	MP4C	Z	2.931	2.931	0	%100
89	MP2C	X	1.692	1.692	0	%100
90	MP2C	Z	2.931	2.931	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
91	MP1C	X	1.692	1.692	0	%100
92	MP1C	Z	2.931	2.931	0	%100
93	M91B	X	1.589	1.589	0	%100
94	M91B	Z	2.753	2.753	0	%100
95	MP3B	X	1.692	1.692	0	%100
96	MP3B	Z	2.931	2.931	0	%100
97	MP4B	X	1.692	1.692	0	%100
98	MP4B	Z	2.931	2.931	0	%100
99	MP2B	X	1.692	1.692	0	%100
100	MP2B	Z	2.931	2.931	0	%100
101	MP1B	X	1.692	1.692	0	%100
102	MP1B	Z	2.931	2.931	0	%100
103	M112	X	1.447	1.447	0	%100
104	M112	Z	2.507	2.507	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	M114	X	1.447	1.447	0	%100
108	M114	Z	2.507	2.507	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	1.359	1.359	0	%100
112	M122	Z	2.353	2.353	0	%100
113	M123	X	1.359	1.359	0	%100
114	M123	Z	2.353	2.353	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	4.239	4.239	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	3.28	3.28	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	3.385	3.385	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	3.385	3.385	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	3.385	3.385	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	3.385	3.385	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	3.28	3.28	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	4.913	4.913	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.929	.929	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.929	.929	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	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,...	Start Location[ft,%]	End Location[ft,%]
25	M77	X	0	0	0	%100
26	M77	Z	1.235	1.235	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	1.285	1.285	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	1.235	1.235	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	1.285	1.285	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	2.993	2.993	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	.82	.82	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	.82	.82	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	1.228	1.228	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	.929	.929	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	3.717	3.717	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	3.654	3.654	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	1.235	1.235	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	1.285	1.285	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	3.654	3.654	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	4.939	4.939	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	5.14	5.14	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	2.993	2.993	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	.82	.82	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	.82	.82	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	1.228	1.228	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	3.717	3.717	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	.929	.929	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	3.654	3.654	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	4.939	4.939	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	5.14	5.14	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
77	M92A	X	0	0	0	%100
78	M92A	Z	3.654	3.654	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	1.235	1.235	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	1.285	1.285	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	1.06	1.06	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	3.385	3.385	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	3.385	3.385	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	3.385	3.385	0	%100
91	MP1C	X	0	0	0	%100
92	MP1C	Z	3.385	3.385	0	%100
93	M91B	X	0	0	0	%100
94	M91B	Z	1.06	1.06	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	3.385	3.385	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	3.385	3.385	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	3.385	3.385	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	3.385	3.385	0	%100
103	M112	X	0	0	0	%100
104	M112	Z	3.86	3.86	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	.965	.965	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	.965	.965	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	.906	.906	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	.906	.906	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	3.623	3.623	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.589	-1.589	0	%100
2	M1	Z	2.753	2.753	0	%100
3	M4	X	-.499	-.499	0	%100
4	M4	Z	.864	.864	0	%100
5	M10	X	-1.23	-1.23	0	%100
6	M10	Z	2.131	2.131	0	%100
7	MP3A	X	-1.692	-1.692	0	%100
8	MP3A	Z	2.931	2.931	0	%100
9	MP4A	X	-1.692	-1.692	0	%100
10	MP4A	Z	2.931	2.931	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
11	MP2A	X	-1.692	-1.692	0	%100
12	MP2A	Z	2.931	2.931	0	%100
13	MP1A	X	-1.692	-1.692	0	%100
14	MP1A	Z	2.931	2.931	0	%100
15	M43	X	-1.23	-1.23	0	%100
16	M43	Z	2.131	2.131	0	%100
17	M46	X	-1.842	-1.842	0	%100
18	M46	Z	3.191	3.191	0	%100
19	M51B	X	-1.394	-1.394	0	%100
20	M51B	Z	2.414	2.414	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-.609	-.609	0	%100
24	M76	Z	1.055	1.055	0	%100
25	M77	X	-1.852	-1.852	0	%100
26	M77	Z	3.208	3.208	0	%100
27	M80	X	-1.928	-1.928	0	%100
28	M80	Z	3.339	3.339	0	%100
29	M84	X	-.609	-.609	0	%100
30	M84	Z	1.055	1.055	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	-.499	-.499	0	%100
36	M52A	Z	.864	.864	0	%100
37	M53	X	-1.23	-1.23	0	%100
38	M53	Z	2.131	2.131	0	%100
39	M54	X	-1.23	-1.23	0	%100
40	M54	Z	2.131	2.131	0	%100
41	M55	X	-1.842	-1.842	0	%100
42	M55	Z	3.191	3.191	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-1.394	-1.394	0	%100
46	M59A	Z	2.414	2.414	0	%100
47	M63	X	-.609	-.609	0	%100
48	M63	Z	1.055	1.055	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	-.609	-.609	0	%100
54	M68	Z	1.055	1.055	0	%100
55	M69	X	-1.852	-1.852	0	%100
56	M69	Z	3.208	3.208	0	%100
57	M71	X	-1.928	-1.928	0	%100
58	M71	Z	3.339	3.339	0	%100
59	M76A	X	-1.995	-1.995	0	%100
60	M76A	Z	3.456	3.456	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
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	-1.394	-1.394	0	%100
68	M82	Z	2.414	2.414	0	%100
69	M83A	X	-1.394	-1.394	0	%100
70	M83A	Z	2.414	2.414	0	%100
71	M87	X	-2.436	-2.436	0	%100
72	M87	Z	4.219	4.219	0	%100
73	M88A	X	-1.852	-1.852	0	%100
74	M88A	Z	3.208	3.208	0	%100
75	M90	X	-1.928	-1.928	0	%100
76	M90	Z	3.339	3.339	0	%100
77	M92A	X	-2.436	-2.436	0	%100
78	M92A	Z	4.219	4.219	0	%100
79	M93	X	-1.852	-1.852	0	%100
80	M93	Z	3.208	3.208	0	%100
81	M95	X	-1.928	-1.928	0	%100
82	M95	Z	3.339	3.339	0	%100
83	M82A	X	-1.589	-1.589	0	%100
84	M82A	Z	2.753	2.753	0	%100
85	MP3C	X	-1.692	-1.692	0	%100
86	MP3C	Z	2.931	2.931	0	%100
87	MP4C	X	-1.692	-1.692	0	%100
88	MP4C	Z	2.931	2.931	0	%100
89	MP2C	X	-1.692	-1.692	0	%100
90	MP2C	Z	2.931	2.931	0	%100
91	MP1C	X	-1.692	-1.692	0	%100
92	MP1C	Z	2.931	2.931	0	%100
93	M91B	X	0	0	0	%100
94	M91B	Z	0	0	0	%100
95	MP3B	X	-1.692	-1.692	0	%100
96	MP3B	Z	2.931	2.931	0	%100
97	MP4B	X	-1.692	-1.692	0	%100
98	MP4B	Z	2.931	2.931	0	%100
99	MP2B	X	-1.692	-1.692	0	%100
100	MP2B	Z	2.931	2.931	0	%100
101	MP1B	X	-1.692	-1.692	0	%100
102	MP1B	Z	2.931	2.931	0	%100
103	M112	X	-1.447	-1.447	0	%100
104	M112	Z	2.507	2.507	0	%100
105	M113	X	-1.447	-1.447	0	%100
106	M113	Z	2.507	2.507	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	0	0	0	%100
109	M121	X	-1.359	-1.359	0	%100
110	M121	Z	2.353	2.353	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	-1.359	-1.359	0	%100
114	M123	Z	2.353	2.353	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.918	-.918	0	%100
2	M1	Z	.53	.53	0	%100
3	M4	X	-2.592	-2.592	0	%100
4	M4	Z	1.496	1.496	0	%100
5	M10	X	-.71	-.71	0	%100
6	M10	Z	.41	.41	0	%100
7	MP3A	X	-2.931	-2.931	0	%100
8	MP3A	Z	1.692	1.692	0	%100
9	MP4A	X	-2.931	-2.931	0	%100
10	MP4A	Z	1.692	1.692	0	%100
11	MP2A	X	-2.931	-2.931	0	%100
12	MP2A	Z	1.692	1.692	0	%100
13	MP1A	X	-2.931	-2.931	0	%100
14	MP1A	Z	1.692	1.692	0	%100
15	M43	X	-.71	-.71	0	%100
16	M43	Z	.41	.41	0	%100
17	M46	X	-1.064	-1.064	0	%100
18	M46	Z	.614	.614	0	%100
19	M51B	X	-3.219	-3.219	0	%100
20	M51B	Z	1.858	1.858	0	%100
21	M52B	X	-.805	-.805	0	%100
22	M52B	Z	.465	.465	0	%100
23	M76	X	-3.164	-3.164	0	%100
24	M76	Z	1.827	1.827	0	%100
25	M77	X	-4.277	-4.277	0	%100
26	M77	Z	2.469	2.469	0	%100
27	M80	X	-4.452	-4.452	0	%100
28	M80	Z	2.57	2.57	0	%100
29	M84	X	-3.164	-3.164	0	%100
30	M84	Z	1.827	1.827	0	%100
31	M85	X	-1.069	-1.069	0	%100
32	M85	Z	.617	.617	0	%100
33	M91	X	-1.113	-1.113	0	%100
34	M91	Z	.643	.643	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-2.841	-2.841	0	%100
38	M53	Z	1.64	1.64	0	%100
39	M54	X	-2.841	-2.841	0	%100
40	M54	Z	1.64	1.64	0	%100
41	M55	X	-4.254	-4.254	0	%100
42	M55	Z	2.456	2.456	0	%100
43	M58A	X	-.805	-.805	0	%100
44	M58A	Z	.465	.465	0	%100
45	M59A	X	-.805	-.805	0	%100
46	M59A	Z	.465	.465	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-1.069	-1.069	0	%100
50	M64	Z	.617	.617	0	%100
51	M66	X	-1.113	-1.113	0	%100
52	M66	Z	.643	.643	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-1.069	-1.069	0	%100
56	M69	Z	.617	.617	0	%100
57	M71	X	-1.113	-1.113	0	%100
58	M71	Z	.643	.643	0	%100
59	M76A	X	-2.592	-2.592	0	%100
60	M76A	Z	1.496	1.496	0	%100
61	M77A	X	-.71	-.71	0	%100
62	M77A	Z	.41	.41	0	%100
63	M78	X	-.71	-.71	0	%100
64	M78	Z	.41	.41	0	%100
65	M79A	X	-1.064	-1.064	0	%100
66	M79A	Z	.614	.614	0	%100
67	M82	X	-.805	-.805	0	%100
68	M82	Z	.465	.465	0	%100
69	M83A	X	-3.219	-3.219	0	%100
70	M83A	Z	1.858	1.858	0	%100
71	M87	X	-3.164	-3.164	0	%100
72	M87	Z	1.827	1.827	0	%100
73	M88A	X	-1.069	-1.069	0	%100
74	M88A	Z	.617	.617	0	%100
75	M90	X	-1.113	-1.113	0	%100
76	M90	Z	.643	.643	0	%100
77	M92A	X	-3.164	-3.164	0	%100
78	M92A	Z	1.827	1.827	0	%100
79	M93	X	-4.277	-4.277	0	%100
80	M93	Z	2.469	2.469	0	%100
81	M95	X	-4.452	-4.452	0	%100
82	M95	Z	2.57	2.57	0	%100
83	M82A	X	-3.671	-3.671	0	%100
84	M82A	Z	2.119	2.119	0	%100
85	MP3C	X	-2.931	-2.931	0	%100
86	MP3C	Z	1.692	1.692	0	%100
87	MP4C	X	-2.931	-2.931	0	%100
88	MP4C	Z	1.692	1.692	0	%100
89	MP2C	X	-2.931	-2.931	0	%100
90	MP2C	Z	1.692	1.692	0	%100
91	MP1C	X	-2.931	-2.931	0	%100
92	MP1C	Z	1.692	1.692	0	%100
93	M91B	X	-.918	-.918	0	%100
94	M91B	Z	.53	.53	0	%100
95	MP3B	X	-2.931	-2.931	0	%100
96	MP3B	Z	1.692	1.692	0	%100
97	MP4B	X	-2.931	-2.931	0	%100
98	MP4B	Z	1.692	1.692	0	%100
99	MP2B	X	-2.931	-2.931	0	%100
100	MP2B	Z	1.692	1.692	0	%100
101	MP1B	X	-2.931	-2.931	0	%100
102	MP1B	Z	1.692	1.692	0	%100
103	M112	X	-.836	-.836	0	%100
104	M112	Z	.482	.482	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
105	M113	X	-3.343	-3.343	0	%100
106	M113	Z	1.93	1.93	0	%100
107	M114	X	-.836	-.836	0	%100
108	M114	Z	.482	.482	0	%100
109	M121	X	-3.138	-3.138	0	%100
110	M121	Z	1.812	1.812	0	%100
111	M122	X	-.784	-.784	0	%100
112	M122	Z	.453	.453	0	%100
113	M123	X	-.784	-.784	0	%100
114	M123	Z	.453	.453	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-3.99	-3.99	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	-3.385	-3.385	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-3.385	-3.385	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-3.385	-3.385	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-3.385	-3.385	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	-2.788	-2.788	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-2.788	-2.788	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-4.872	-4.872	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-3.704	-3.704	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-3.855	-3.855	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-4.872	-4.872	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-3.704	-3.704	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-3.855	-3.855	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.998	-.998	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-2.46	-2.46	0	%100
38	M53	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
39	M54	X	-2.46	-2.46	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-3.684	-3.684	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-2.788	-2.788	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	-1.218	-1.218	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-3.704	-3.704	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-3.855	-3.855	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-1.218	-1.218	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
58	M71	Z	0	0	0	%100
59	M76A	X	-.998	-.998	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-2.46	-2.46	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-2.46	-2.46	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-3.684	-3.684	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	-2.788	-2.788	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-1.218	-1.218	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	-1.218	-1.218	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-3.704	-3.704	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-3.855	-3.855	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-3.179	-3.179	0	%100
84	M82A	Z	0	0	0	%100
85	MP3C	X	-3.385	-3.385	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	-3.385	-3.385	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	-3.385	-3.385	0	%100
90	MP2C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
91	MP1C	X	-3.385	-3.385	0	%100
92	MP1C	Z	0	0	0	%100
93	M91B	X	-3.179	-3.179	0	%100
94	M91B	Z	0	0	0	%100
95	MP3B	X	-3.385	-3.385	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	-3.385	-3.385	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-3.385	-3.385	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-3.385	-3.385	0	%100
102	MP1B	Z	0	0	0	%100
103	M112	X	0	0	0	%100
104	M112	Z	0	0	0	%100
105	M113	X	-2.895	-2.895	0	%100
106	M113	Z	0	0	0	%100
107	M114	X	-2.895	-2.895	0	%100
108	M114	Z	0	0	0	%100
109	M121	X	-2.717	-2.717	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-2.717	-2.717	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.918	-.918	0	%100
2	M1	Z	-.53	-.53	0	%100
3	M4	X	-2.592	-2.592	0	%100
4	M4	Z	-1.496	-1.496	0	%100
5	M10	X	-.71	-.71	0	%100
6	M10	Z	-.41	-.41	0	%100
7	MP3A	X	-2.931	-2.931	0	%100
8	MP3A	Z	-1.692	-1.692	0	%100
9	MP4A	X	-2.931	-2.931	0	%100
10	MP4A	Z	-1.692	-1.692	0	%100
11	MP2A	X	-2.931	-2.931	0	%100
12	MP2A	Z	-1.692	-1.692	0	%100
13	MP1A	X	-2.931	-2.931	0	%100
14	MP1A	Z	-1.692	-1.692	0	%100
15	M43	X	-.71	-.71	0	%100
16	M43	Z	-.41	-.41	0	%100
17	M46	X	-1.064	-1.064	0	%100
18	M46	Z	-.614	-.614	0	%100
19	M51B	X	-.805	-.805	0	%100
20	M51B	Z	-.465	-.465	0	%100
21	M52B	X	-3.219	-3.219	0	%100
22	M52B	Z	-1.858	-1.858	0	%100
23	M76	X	-3.164	-3.164	0	%100
24	M76	Z	-1.827	-1.827	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
25	M77	X	-1.069	-1.069	0	%100
26	M77	Z	-.617	-.617	0	%100
27	M80	X	-1.113	-1.113	0	%100
28	M80	Z	-.643	-.643	0	%100
29	M84	X	-3.164	-3.164	0	%100
30	M84	Z	-1.827	-1.827	0	%100
31	M85	X	-4.277	-4.277	0	%100
32	M85	Z	-2.469	-2.469	0	%100
33	M91	X	-4.452	-4.452	0	%100
34	M91	Z	-2.57	-2.57	0	%100
35	M52A	X	-2.592	-2.592	0	%100
36	M52A	Z	-1.496	-1.496	0	%100
37	M53	X	-.71	-.71	0	%100
38	M53	Z	-.41	-.41	0	%100
39	M54	X	-.71	-.71	0	%100
40	M54	Z	-.41	-.41	0	%100
41	M55	X	-1.064	-1.064	0	%100
42	M55	Z	-.614	-.614	0	%100
43	M58A	X	-3.219	-3.219	0	%100
44	M58A	Z	-1.858	-1.858	0	%100
45	M59A	X	-.805	-.805	0	%100
46	M59A	Z	-.465	-.465	0	%100
47	M63	X	-3.164	-3.164	0	%100
48	M63	Z	-1.827	-1.827	0	%100
49	M64	X	-4.277	-4.277	0	%100
50	M64	Z	-2.469	-2.469	0	%100
51	M66	X	-4.452	-4.452	0	%100
52	M66	Z	-2.57	-2.57	0	%100
53	M68	X	-3.164	-3.164	0	%100
54	M68	Z	-1.827	-1.827	0	%100
55	M69	X	-1.069	-1.069	0	%100
56	M69	Z	-.617	-.617	0	%100
57	M71	X	-1.113	-1.113	0	%100
58	M71	Z	-.643	-.643	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-2.841	-2.841	0	%100
62	M77A	Z	-1.64	-1.64	0	%100
63	M78	X	-2.841	-2.841	0	%100
64	M78	Z	-1.64	-1.64	0	%100
65	M79A	X	-4.254	-4.254	0	%100
66	M79A	Z	-2.456	-2.456	0	%100
67	M82	X	-.805	-.805	0	%100
68	M82	Z	-.465	-.465	0	%100
69	M83A	X	-.805	-.805	0	%100
70	M83A	Z	-.465	-.465	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-1.069	-1.069	0	%100
74	M88A	Z	-.617	-.617	0	%100
75	M90	X	-1.113	-1.113	0	%100
76	M90	Z	-.643	-.643	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-1.069	-1.069	0	%100
80	M93	Z	-.617	-.617	0	%100
81	M95	X	-1.113	-1.113	0	%100
82	M95	Z	-.643	-.643	0	%100
83	M82A	X	-.918	-.918	0	%100
84	M82A	Z	-.53	-.53	0	%100
85	MP3C	X	-2.931	-2.931	0	%100
86	MP3C	Z	-1.692	-1.692	0	%100
87	MP4C	X	-2.931	-2.931	0	%100
88	MP4C	Z	-1.692	-1.692	0	%100
89	MP2C	X	-2.931	-2.931	0	%100
90	MP2C	Z	-1.692	-1.692	0	%100
91	MP1C	X	-2.931	-2.931	0	%100
92	MP1C	Z	-1.692	-1.692	0	%100
93	M91B	X	-3.671	-3.671	0	%100
94	M91B	Z	-2.119	-2.119	0	%100
95	MP3B	X	-2.931	-2.931	0	%100
96	MP3B	Z	-1.692	-1.692	0	%100
97	MP4B	X	-2.931	-2.931	0	%100
98	MP4B	Z	-1.692	-1.692	0	%100
99	MP2B	X	-2.931	-2.931	0	%100
100	MP2B	Z	-1.692	-1.692	0	%100
101	MP1B	X	-2.931	-2.931	0	%100
102	MP1B	Z	-1.692	-1.692	0	%100
103	M112	X	-.836	-.836	0	%100
104	M112	Z	-.482	-.482	0	%100
105	M113	X	-.836	-.836	0	%100
106	M113	Z	-.482	-.482	0	%100
107	M114	X	-3.343	-3.343	0	%100
108	M114	Z	-1.93	-1.93	0	%100
109	M121	X	-.784	-.784	0	%100
110	M121	Z	-.453	-.453	0	%100
111	M122	X	-3.138	-3.138	0	%100
112	M122	Z	-1.812	-1.812	0	%100
113	M123	X	-.784	-.784	0	%100
114	M123	Z	-.453	-.453	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.589	-1.589	0	%100
2	M1	Z	-2.753	-2.753	0	%100
3	M4	X	-.499	-.499	0	%100
4	M4	Z	-.864	-.864	0	%100
5	M10	X	-1.23	-1.23	0	%100
6	M10	Z	-2.131	-2.131	0	%100
7	MP3A	X	-1.692	-1.692	0	%100
8	MP3A	Z	-2.931	-2.931	0	%100
9	MP4A	X	-1.692	-1.692	0	%100
10	MP4A	Z	-2.931	-2.931	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
11	MP2A	X	-1.692	-1.692	0	%100
12	MP2A	Z	-2.931	-2.931	0	%100
13	MP1A	X	-1.692	-1.692	0	%100
14	MP1A	Z	-2.931	-2.931	0	%100
15	M43	X	-1.23	-1.23	0	%100
16	M43	Z	-2.131	-2.131	0	%100
17	M46	X	-1.842	-1.842	0	%100
18	M46	Z	-3.191	-3.191	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-1.394	-1.394	0	%100
22	M52B	Z	-2.414	-2.414	0	%100
23	M76	X	-.609	-.609	0	%100
24	M76	Z	-1.055	-1.055	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	-.609	-.609	0	%100
30	M84	Z	-1.055	-1.055	0	%100
31	M85	X	-1.852	-1.852	0	%100
32	M85	Z	-3.208	-3.208	0	%100
33	M91	X	-1.928	-1.928	0	%100
34	M91	Z	-3.339	-3.339	0	%100
35	M52A	X	-1.995	-1.995	0	%100
36	M52A	Z	-3.456	-3.456	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	-1.394	-1.394	0	%100
44	M58A	Z	-2.414	-2.414	0	%100
45	M59A	X	-1.394	-1.394	0	%100
46	M59A	Z	-2.414	-2.414	0	%100
47	M63	X	-2.436	-2.436	0	%100
48	M63	Z	-4.219	-4.219	0	%100
49	M64	X	-1.852	-1.852	0	%100
50	M64	Z	-3.208	-3.208	0	%100
51	M66	X	-1.928	-1.928	0	%100
52	M66	Z	-3.339	-3.339	0	%100
53	M68	X	-2.436	-2.436	0	%100
54	M68	Z	-4.219	-4.219	0	%100
55	M69	X	-1.852	-1.852	0	%100
56	M69	Z	-3.208	-3.208	0	%100
57	M71	X	-1.928	-1.928	0	%100
58	M71	Z	-3.339	-3.339	0	%100
59	M76A	X	-.499	-.499	0	%100
60	M76A	Z	-.864	-.864	0	%100
61	M77A	X	-1.23	-1.23	0	%100
62	M77A	Z	-2.131	-2.131	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
63	M78	X	-1.23	-1.23	0	%100
64	M78	Z	-2.131	-2.131	0	%100
65	M79A	X	-1.842	-1.842	0	%100
66	M79A	Z	-3.191	-3.191	0	%100
67	M82	X	-1.394	-1.394	0	%100
68	M82	Z	-2.414	-2.414	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.609	-.609	0	%100
72	M87	Z	-1.055	-1.055	0	%100
73	M88A	X	-1.852	-1.852	0	%100
74	M88A	Z	-3.208	-3.208	0	%100
75	M90	X	-1.928	-1.928	0	%100
76	M90	Z	-3.339	-3.339	0	%100
77	M92A	X	-.609	-.609	0	%100
78	M92A	Z	-1.055	-1.055	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	MP3C	X	-1.692	-1.692	0	%100
86	MP3C	Z	-2.931	-2.931	0	%100
87	MP4C	X	-1.692	-1.692	0	%100
88	MP4C	Z	-2.931	-2.931	0	%100
89	MP2C	X	-1.692	-1.692	0	%100
90	MP2C	Z	-2.931	-2.931	0	%100
91	MP1C	X	-1.692	-1.692	0	%100
92	MP1C	Z	-2.931	-2.931	0	%100
93	M91B	X	-1.589	-1.589	0	%100
94	M91B	Z	-2.753	-2.753	0	%100
95	MP3B	X	-1.692	-1.692	0	%100
96	MP3B	Z	-2.931	-2.931	0	%100
97	MP4B	X	-1.692	-1.692	0	%100
98	MP4B	Z	-2.931	-2.931	0	%100
99	MP2B	X	-1.692	-1.692	0	%100
100	MP2B	Z	-2.931	-2.931	0	%100
101	MP1B	X	-1.692	-1.692	0	%100
102	MP1B	Z	-2.931	-2.931	0	%100
103	M112	X	-1.447	-1.447	0	%100
104	M112	Z	-2.507	-2.507	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	M114	X	-1.447	-1.447	0	%100
108	M114	Z	-2.507	-2.507	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-1.359	-1.359	0	%100
112	M122	Z	-2.353	-2.353	0	%100
113	M123	X	-1.359	-1.359	0	%100
114	M123	Z	-2.353	-2.353	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.764	-.764	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	-.656	-.656	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-.518	-.518	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-.518	-.518	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-.518	-.518	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-.518	-.518	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-.656	-.656	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-1.309	-1.309	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-.182	-.182	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-.182	-.182	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	-.333	-.333	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-.351	-.351	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	-.333	-.333	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-.351	-.351	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-.582	-.582	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-.164	-.164	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-.164	-.164	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-.327	-.327	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-.182	-.182	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-.727	-.727	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-.982	-.982	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-.333	-.333	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-.351	-.351	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M68	X	0	0	0	%100
54	M68	Z	-.982	-.982	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-1.333	-1.333	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	-1.404	-1.404	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-.582	-.582	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-.164	-.164	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-.164	-.164	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-.327	-.327	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-.727	-.727	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-.182	-.182	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-.982	-.982	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-1.333	-1.333	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-1.404	-1.404	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-.982	-.982	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-.333	-.333	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-.351	-.351	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-.191	-.191	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	-.518	-.518	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-.518	-.518	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-.518	-.518	0	%100
91	MP1C	X	0	0	0	%100
92	MP1C	Z	-.518	-.518	0	%100
93	M91B	X	0	0	0	%100
94	M91B	Z	-.191	-.191	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-.518	-.518	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-.518	-.518	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-.518	-.518	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-.518	-.518	0	%100
103	M112	X	0	0	0	%100
104	M112	Z	-.627	-.627	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
105	M113	X	0	0	0	%100
106	M113	Z	-.157	-.157	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	-.157	-.157	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	-.198	-.198	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	-.198	-.198	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	-.792	-.792	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.286	.286	0	%100
2	M1	Z	-.496	-.496	0	%100
3	M4	X	.097	.097	0	%100
4	M4	Z	-.168	-.168	0	%100
5	M10	X	.246	.246	0	%100
6	M10	Z	-.426	-.426	0	%100
7	MP3A	X	.259	.259	0	%100
8	MP3A	Z	-.449	-.449	0	%100
9	MP4A	X	.259	.259	0	%100
10	MP4A	Z	-.449	-.449	0	%100
11	MP2A	X	.259	.259	0	%100
12	MP2A	Z	-.449	-.449	0	%100
13	MP1A	X	.259	.259	0	%100
14	MP1A	Z	-.449	-.449	0	%100
15	M43	X	.246	.246	0	%100
16	M43	Z	-.426	-.426	0	%100
17	M46	X	.491	.491	0	%100
18	M46	Z	-.85	-.85	0	%100
19	M51B	X	.273	.273	0	%100
20	M51B	Z	-.472	-.472	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.164	.164	0	%100
24	M76	Z	-.283	-.283	0	%100
25	M77	X	.5	.5	0	%100
26	M77	Z	-.866	-.866	0	%100
27	M80	X	.527	.527	0	%100
28	M80	Z	-.912	-.912	0	%100
29	M84	X	.164	.164	0	%100
30	M84	Z	-.283	-.283	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	.097	.097	0	%100
36	M52A	Z	-.168	-.168	0	%100
37	M53	X	.246	.246	0	%100
38	M53	Z	-.426	-.426	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
39	M54	X	.246	.246	0	%100
40	M54	Z	-.426	-.426	0	%100
41	M55	X	.491	.491	0	%100
42	M55	Z	-.85	-.85	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	.273	.273	0	%100
46	M59A	Z	-.472	-.472	0	%100
47	M63	X	.164	.164	0	%100
48	M63	Z	-.283	-.283	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	.164	.164	0	%100
54	M68	Z	-.283	-.283	0	%100
55	M69	X	.5	.5	0	%100
56	M69	Z	-.866	-.866	0	%100
57	M71	X	.527	.527	0	%100
58	M71	Z	-.912	-.912	0	%100
59	M76A	X	.388	.388	0	%100
60	M76A	Z	-.672	-.672	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	.273	.273	0	%100
68	M82	Z	-.472	-.472	0	%100
69	M83A	X	.273	.273	0	%100
70	M83A	Z	-.472	-.472	0	%100
71	M87	X	.655	.655	0	%100
72	M87	Z	-1.134	-1.134	0	%100
73	M88A	X	.5	.5	0	%100
74	M88A	Z	-.866	-.866	0	%100
75	M90	X	.527	.527	0	%100
76	M90	Z	-.912	-.912	0	%100
77	M92A	X	.655	.655	0	%100
78	M92A	Z	-1.134	-1.134	0	%100
79	M93	X	.5	.5	0	%100
80	M93	Z	-.866	-.866	0	%100
81	M95	X	.527	.527	0	%100
82	M95	Z	-.912	-.912	0	%100
83	M82A	X	.286	.286	0	%100
84	M82A	Z	-.496	-.496	0	%100
85	MP3C	X	.259	.259	0	%100
86	MP3C	Z	-.449	-.449	0	%100
87	MP4C	X	.259	.259	0	%100
88	MP4C	Z	-.449	-.449	0	%100
89	MP2C	X	.259	.259	0	%100
90	MP2C	Z	-.449	-.449	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
91	MP1C	X	.259	.259	0	%100
92	MP1C	Z	-.449	-.449	0	%100
93	M91B	X	0	0	0	%100
94	M91B	Z	0	0	0	%100
95	MP3B	X	.259	.259	0	%100
96	MP3B	Z	-.449	-.449	0	%100
97	MP4B	X	.259	.259	0	%100
98	MP4B	Z	-.449	-.449	0	%100
99	MP2B	X	.259	.259	0	%100
100	MP2B	Z	-.449	-.449	0	%100
101	MP1B	X	.259	.259	0	%100
102	MP1B	Z	-.449	-.449	0	%100
103	M112	X	.235	.235	0	%100
104	M112	Z	-.407	-.407	0	%100
105	M113	X	.235	.235	0	%100
106	M113	Z	-.407	-.407	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	0	0	0	%100
109	M121	X	.297	.297	0	%100
110	M121	Z	-.514	-.514	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	.297	.297	0	%100
114	M123	Z	-.514	-.514	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.165	.165	0	%100
2	M1	Z	-.095	-.095	0	%100
3	M4	X	.504	.504	0	%100
4	M4	Z	-.291	-.291	0	%100
5	M10	X	.142	.142	0	%100
6	M10	Z	-.082	-.082	0	%100
7	MP3A	X	.449	.449	0	%100
8	MP3A	Z	-.259	-.259	0	%100
9	MP4A	X	.449	.449	0	%100
10	MP4A	Z	-.259	-.259	0	%100
11	MP2A	X	.449	.449	0	%100
12	MP2A	Z	-.259	-.259	0	%100
13	MP1A	X	.449	.449	0	%100
14	MP1A	Z	-.259	-.259	0	%100
15	M43	X	.142	.142	0	%100
16	M43	Z	-.082	-.082	0	%100
17	M46	X	.283	.283	0	%100
18	M46	Z	-.164	-.164	0	%100
19	M51B	X	.63	.63	0	%100
20	M51B	Z	-.363	-.363	0	%100
21	M52B	X	.157	.157	0	%100
22	M52B	Z	-.091	-.091	0	%100
23	M76	X	.85	.85	0	%100
24	M76	Z	-.491	-.491	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
25	M77	X	1.155	1.155	0	%100
26	M77	Z	-.667	-.667	0	%100
27	M80	X	1.216	1.216	0	%100
28	M80	Z	-.702	-.702	0	%100
29	M84	X	.85	.85	0	%100
30	M84	Z	-.491	-.491	0	%100
31	M85	X	.289	.289	0	%100
32	M85	Z	-.167	-.167	0	%100
33	M91	X	.304	.304	0	%100
34	M91	Z	-.176	-.176	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	.568	.568	0	%100
38	M53	Z	-.328	-.328	0	%100
39	M54	X	.568	.568	0	%100
40	M54	Z	-.328	-.328	0	%100
41	M55	X	1.134	1.134	0	%100
42	M55	Z	-.655	-.655	0	%100
43	M58A	X	.157	.157	0	%100
44	M58A	Z	-.091	-.091	0	%100
45	M59A	X	.157	.157	0	%100
46	M59A	Z	-.091	-.091	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	.289	.289	0	%100
50	M64	Z	-.167	-.167	0	%100
51	M66	X	.304	.304	0	%100
52	M66	Z	-.176	-.176	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	.289	.289	0	%100
56	M69	Z	-.167	-.167	0	%100
57	M71	X	.304	.304	0	%100
58	M71	Z	-.176	-.176	0	%100
59	M76A	X	.504	.504	0	%100
60	M76A	Z	-.291	-.291	0	%100
61	M77A	X	.142	.142	0	%100
62	M77A	Z	-.082	-.082	0	%100
63	M78	X	.142	.142	0	%100
64	M78	Z	-.082	-.082	0	%100
65	M79A	X	.283	.283	0	%100
66	M79A	Z	-.164	-.164	0	%100
67	M82	X	.157	.157	0	%100
68	M82	Z	-.091	-.091	0	%100
69	M83A	X	.63	.63	0	%100
70	M83A	Z	-.363	-.363	0	%100
71	M87	X	.85	.85	0	%100
72	M87	Z	-.491	-.491	0	%100
73	M88A	X	.289	.289	0	%100
74	M88A	Z	-.167	-.167	0	%100
75	M90	X	.304	.304	0	%100
76	M90	Z	-.176	-.176	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
77	M92A	X	.85	.85	0	%100
78	M92A	Z	-.491	-.491	0	%100
79	M93	X	1.155	1.155	0	%100
80	M93	Z	-.667	-.667	0	%100
81	M95	X	1.216	1.216	0	%100
82	M95	Z	-.702	-.702	0	%100
83	M82A	X	.661	.661	0	%100
84	M82A	Z	-.382	-.382	0	%100
85	MP3C	X	.449	.449	0	%100
86	MP3C	Z	-.259	-.259	0	%100
87	MP4C	X	.449	.449	0	%100
88	MP4C	Z	-.259	-.259	0	%100
89	MP2C	X	.449	.449	0	%100
90	MP2C	Z	-.259	-.259	0	%100
91	MP1C	X	.449	.449	0	%100
92	MP1C	Z	-.259	-.259	0	%100
93	M91B	X	.165	.165	0	%100
94	M91B	Z	-.095	-.095	0	%100
95	MP3B	X	.449	.449	0	%100
96	MP3B	Z	-.259	-.259	0	%100
97	MP4B	X	.449	.449	0	%100
98	MP4B	Z	-.259	-.259	0	%100
99	MP2B	X	.449	.449	0	%100
100	MP2B	Z	-.259	-.259	0	%100
101	MP1B	X	.449	.449	0	%100
102	MP1B	Z	-.259	-.259	0	%100
103	M112	X	.136	.136	0	%100
104	M112	Z	-.078	-.078	0	%100
105	M113	X	.543	.543	0	%100
106	M113	Z	-.314	-.314	0	%100
107	M114	X	.136	.136	0	%100
108	M114	Z	-.078	-.078	0	%100
109	M121	X	.686	.686	0	%100
110	M121	Z	-.396	-.396	0	%100
111	M122	X	.171	.171	0	%100
112	M122	Z	-.099	-.099	0	%100
113	M123	X	.171	.171	0	%100
114	M123	Z	-.099	-.099	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.776	.776	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	.518	.518	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	.518	.518	0	%100
10	MP4A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
11	MP2A	X	.518	.518	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	.518	.518	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	.545	.545	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.545	.545	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	1.309	1.309	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	1	1	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	1.053	1.053	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	1.309	1.309	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	1	1	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	1.053	1.053	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.194	.194	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	.492	.492	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	.492	.492	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	.982	.982	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	.545	.545	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	.327	.327	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	1	1	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	1.053	1.053	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.327	.327	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
58	M71	Z	0	0	0	%100
59	M76A	X	.194	.194	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	.492	.492	0	%100
62	M77A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
63	M78	X	.492	.492	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	.982	.982	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	.545	.545	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.327	.327	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	.327	.327	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	1	1	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	1.053	1.053	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	.573	.573	0	%100
84	M82A	Z	0	0	0	%100
85	MP3C	X	.518	.518	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	.518	.518	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	.518	.518	0	%100
90	MP2C	Z	0	0	0	%100
91	MP1C	X	.518	.518	0	%100
92	MP1C	Z	0	0	0	%100
93	M91B	X	.573	.573	0	%100
94	M91B	Z	0	0	0	%100
95	MP3B	X	.518	.518	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	.518	.518	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	.518	.518	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	.518	.518	0	%100
102	MP1B	Z	0	0	0	%100
103	M112	X	0	0	0	%100
104	M112	Z	0	0	0	%100
105	M113	X	.47	.47	0	%100
106	M113	Z	0	0	0	%100
107	M114	X	.47	.47	0	%100
108	M114	Z	0	0	0	%100
109	M121	X	.594	.594	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	.594	.594	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.165	.165	0	%100
2	M1	Z	.095	.095	0	%100
3	M4	X	.504	.504	0	%100
4	M4	Z	.291	.291	0	%100
5	M10	X	.142	.142	0	%100
6	M10	Z	.082	.082	0	%100
7	MP3A	X	.449	.449	0	%100
8	MP3A	Z	.259	.259	0	%100
9	MP4A	X	.449	.449	0	%100
10	MP4A	Z	.259	.259	0	%100
11	MP2A	X	.449	.449	0	%100
12	MP2A	Z	.259	.259	0	%100
13	MP1A	X	.449	.449	0	%100
14	MP1A	Z	.259	.259	0	%100
15	M43	X	.142	.142	0	%100
16	M43	Z	.082	.082	0	%100
17	M46	X	.283	.283	0	%100
18	M46	Z	.164	.164	0	%100
19	M51B	X	.157	.157	0	%100
20	M51B	Z	.091	.091	0	%100
21	M52B	X	.63	.63	0	%100
22	M52B	Z	.363	.363	0	%100
23	M76	X	.85	.85	0	%100
24	M76	Z	.491	.491	0	%100
25	M77	X	.289	.289	0	%100
26	M77	Z	.167	.167	0	%100
27	M80	X	.304	.304	0	%100
28	M80	Z	.176	.176	0	%100
29	M84	X	.85	.85	0	%100
30	M84	Z	.491	.491	0	%100
31	M85	X	1.155	1.155	0	%100
32	M85	Z	.667	.667	0	%100
33	M91	X	1.216	1.216	0	%100
34	M91	Z	.702	.702	0	%100
35	M52A	X	.504	.504	0	%100
36	M52A	Z	.291	.291	0	%100
37	M53	X	.142	.142	0	%100
38	M53	Z	.082	.082	0	%100
39	M54	X	.142	.142	0	%100
40	M54	Z	.082	.082	0	%100
41	M55	X	.283	.283	0	%100
42	M55	Z	.164	.164	0	%100
43	M58A	X	.63	.63	0	%100
44	M58A	Z	.363	.363	0	%100
45	M59A	X	.157	.157	0	%100
46	M59A	Z	.091	.091	0	%100
47	M63	X	.85	.85	0	%100
48	M63	Z	.491	.491	0	%100
49	M64	X	1.155	1.155	0	%100
50	M64	Z	.667	.667	0	%100
51	M66	X	1.216	1.216	0	%100
52	M66	Z	.702	.702	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M68	X	.85	.85	0	%100
54	M68	Z	.491	.491	0	%100
55	M69	X	.289	.289	0	%100
56	M69	Z	.167	.167	0	%100
57	M71	X	.304	.304	0	%100
58	M71	Z	.176	.176	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	.568	.568	0	%100
62	M77A	Z	.328	.328	0	%100
63	M78	X	.568	.568	0	%100
64	M78	Z	.328	.328	0	%100
65	M79A	X	1.134	1.134	0	%100
66	M79A	Z	.655	.655	0	%100
67	M82	X	.157	.157	0	%100
68	M82	Z	.091	.091	0	%100
69	M83A	X	.157	.157	0	%100
70	M83A	Z	.091	.091	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	.289	.289	0	%100
74	M88A	Z	.167	.167	0	%100
75	M90	X	.304	.304	0	%100
76	M90	Z	.176	.176	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	.289	.289	0	%100
80	M93	Z	.167	.167	0	%100
81	M95	X	.304	.304	0	%100
82	M95	Z	.176	.176	0	%100
83	M82A	X	.165	.165	0	%100
84	M82A	Z	.095	.095	0	%100
85	MP3C	X	.449	.449	0	%100
86	MP3C	Z	.259	.259	0	%100
87	MP4C	X	.449	.449	0	%100
88	MP4C	Z	.259	.259	0	%100
89	MP2C	X	.449	.449	0	%100
90	MP2C	Z	.259	.259	0	%100
91	MP1C	X	.449	.449	0	%100
92	MP1C	Z	.259	.259	0	%100
93	M91B	X	.661	.661	0	%100
94	M91B	Z	.382	.382	0	%100
95	MP3B	X	.449	.449	0	%100
96	MP3B	Z	.259	.259	0	%100
97	MP4B	X	.449	.449	0	%100
98	MP4B	Z	.259	.259	0	%100
99	MP2B	X	.449	.449	0	%100
100	MP2B	Z	.259	.259	0	%100
101	MP1B	X	.449	.449	0	%100
102	MP1B	Z	.259	.259	0	%100
103	M112	X	.136	.136	0	%100
104	M112	Z	.078	.078	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,..	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
105	M113	X	.136	.136	0	%100
106	M113	Z	.078	.078	0	%100
107	M114	X	.543	.543	0	%100
108	M114	Z	.314	.314	0	%100
109	M121	X	.171	.171	0	%100
110	M121	Z	.099	.099	0	%100
111	M122	X	.686	.686	0	%100
112	M122	Z	.396	.396	0	%100
113	M123	X	.171	.171	0	%100
114	M123	Z	.099	.099	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,..	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.286	.286	0	%100
2	M1	Z	.496	.496	0	%100
3	M4	X	.097	.097	0	%100
4	M4	Z	.168	.168	0	%100
5	M10	X	.246	.246	0	%100
6	M10	Z	.426	.426	0	%100
7	MP3A	X	.259	.259	0	%100
8	MP3A	Z	.449	.449	0	%100
9	MP4A	X	.259	.259	0	%100
10	MP4A	Z	.449	.449	0	%100
11	MP2A	X	.259	.259	0	%100
12	MP2A	Z	.449	.449	0	%100
13	MP1A	X	.259	.259	0	%100
14	MP1A	Z	.449	.449	0	%100
15	M43	X	.246	.246	0	%100
16	M43	Z	.426	.426	0	%100
17	M46	X	.491	.491	0	%100
18	M46	Z	.85	.85	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.273	.273	0	%100
22	M52B	Z	.472	.472	0	%100
23	M76	X	.164	.164	0	%100
24	M76	Z	.283	.283	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	.164	.164	0	%100
30	M84	Z	.283	.283	0	%100
31	M85	X	.5	.5	0	%100
32	M85	Z	.866	.866	0	%100
33	M91	X	.527	.527	0	%100
34	M91	Z	.912	.912	0	%100
35	M52A	X	.388	.388	0	%100
36	M52A	Z	.672	.672	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
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	.273	.273	0	%100
44	M58A	Z	.472	.472	0	%100
45	M59A	X	.273	.273	0	%100
46	M59A	Z	.472	.472	0	%100
47	M63	X	.655	.655	0	%100
48	M63	Z	1.134	1.134	0	%100
49	M64	X	.5	.5	0	%100
50	M64	Z	.866	.866	0	%100
51	M66	X	.527	.527	0	%100
52	M66	Z	.912	.912	0	%100
53	M68	X	.655	.655	0	%100
54	M68	Z	1.134	1.134	0	%100
55	M69	X	.5	.5	0	%100
56	M69	Z	.866	.866	0	%100
57	M71	X	.527	.527	0	%100
58	M71	Z	.912	.912	0	%100
59	M76A	X	.097	.097	0	%100
60	M76A	Z	.168	.168	0	%100
61	M77A	X	.246	.246	0	%100
62	M77A	Z	.426	.426	0	%100
63	M78	X	.246	.246	0	%100
64	M78	Z	.426	.426	0	%100
65	M79A	X	.491	.491	0	%100
66	M79A	Z	.85	.85	0	%100
67	M82	X	.273	.273	0	%100
68	M82	Z	.472	.472	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.164	.164	0	%100
72	M87	Z	.283	.283	0	%100
73	M88A	X	.5	.5	0	%100
74	M88A	Z	.866	.866	0	%100
75	M90	X	.527	.527	0	%100
76	M90	Z	.912	.912	0	%100
77	M92A	X	.164	.164	0	%100
78	M92A	Z	.283	.283	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	MP3C	X	.259	.259	0	%100
86	MP3C	Z	.449	.449	0	%100
87	MP4C	X	.259	.259	0	%100
88	MP4C	Z	.449	.449	0	%100
89	MP2C	X	.259	.259	0	%100
90	MP2C	Z	.449	.449	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
91	MP1C	X	.259	.259	0	%100
92	MP1C	Z	.449	.449	0	%100
93	M91B	X	.286	.286	0	%100
94	M91B	Z	.496	.496	0	%100
95	MP3B	X	.259	.259	0	%100
96	MP3B	Z	.449	.449	0	%100
97	MP4B	X	.259	.259	0	%100
98	MP4B	Z	.449	.449	0	%100
99	MP2B	X	.259	.259	0	%100
100	MP2B	Z	.449	.449	0	%100
101	MP1B	X	.259	.259	0	%100
102	MP1B	Z	.449	.449	0	%100
103	M112	X	.235	.235	0	%100
104	M112	Z	.407	.407	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	M114	X	.235	.235	0	%100
108	M114	Z	.407	.407	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	.297	.297	0	%100
112	M122	Z	.514	.514	0	%100
113	M123	X	.297	.297	0	%100
114	M123	Z	.514	.514	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.764	.764	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	.656	.656	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	.518	.518	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	.518	.518	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.518	.518	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.518	.518	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	.656	.656	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	1.309	1.309	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.182	.182	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.182	.182	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	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,...	Start Location[ft,%]	End Location[ft,%]
25	M77	X	0	0	0	%100
26	M77	Z	.333	.333	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	.351	.351	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	.333	.333	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	.351	.351	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	.582	.582	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	.164	.164	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	.164	.164	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	.327	.327	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	.182	.182	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	.727	.727	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	.982	.982	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	.333	.333	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	.351	.351	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	.982	.982	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	1.333	1.333	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	1.404	1.404	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	.582	.582	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	.164	.164	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	.164	.164	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	.327	.327	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	.727	.727	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	.182	.182	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	.982	.982	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	1.333	1.333	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	1.404	1.404	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
77	M92A	X	0	0	0	%100
78	M92A	Z	.982	.982	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	.333	.333	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	.351	.351	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	.191	.191	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	.518	.518	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	.518	.518	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	.518	.518	0	%100
91	MP1C	X	0	0	0	%100
92	MP1C	Z	.518	.518	0	%100
93	M91B	X	0	0	0	%100
94	M91B	Z	.191	.191	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	.518	.518	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	.518	.518	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	.518	.518	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	.518	.518	0	%100
103	M112	X	0	0	0	%100
104	M112	Z	.627	.627	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	.157	.157	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	.157	.157	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	.198	.198	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	.198	.198	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	.792	.792	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.286	-.286	0	%100
2	M1	Z	.496	.496	0	%100
3	M4	X	-.097	-.097	0	%100
4	M4	Z	.168	.168	0	%100
5	M10	X	-.246	-.246	0	%100
6	M10	Z	.426	.426	0	%100
7	MP3A	X	-.259	-.259	0	%100
8	MP3A	Z	.449	.449	0	%100
9	MP4A	X	-.259	-.259	0	%100
10	MP4A	Z	.449	.449	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
11	MP2A	X	-.259	-.259	0	%100
12	MP2A	Z	.449	.449	0	%100
13	MP1A	X	-.259	-.259	0	%100
14	MP1A	Z	.449	.449	0	%100
15	M43	X	-.246	-.246	0	%100
16	M43	Z	.426	.426	0	%100
17	M46	X	-.491	-.491	0	%100
18	M46	Z	.85	.85	0	%100
19	M51B	X	-.273	-.273	0	%100
20	M51B	Z	.472	.472	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-.164	-.164	0	%100
24	M76	Z	.283	.283	0	%100
25	M77	X	-.5	-.5	0	%100
26	M77	Z	.866	.866	0	%100
27	M80	X	-.527	-.527	0	%100
28	M80	Z	.912	.912	0	%100
29	M84	X	-.164	-.164	0	%100
30	M84	Z	.283	.283	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	-.097	-.097	0	%100
36	M52A	Z	.168	.168	0	%100
37	M53	X	-.246	-.246	0	%100
38	M53	Z	.426	.426	0	%100
39	M54	X	-.246	-.246	0	%100
40	M54	Z	.426	.426	0	%100
41	M55	X	-.491	-.491	0	%100
42	M55	Z	.85	.85	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-.273	-.273	0	%100
46	M59A	Z	.472	.472	0	%100
47	M63	X	-.164	-.164	0	%100
48	M63	Z	.283	.283	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	-.164	-.164	0	%100
54	M68	Z	.283	.283	0	%100
55	M69	X	-.5	-.5	0	%100
56	M69	Z	.866	.866	0	%100
57	M71	X	-.527	-.527	0	%100
58	M71	Z	.912	.912	0	%100
59	M76A	X	-.388	-.388	0	%100
60	M76A	Z	.672	.672	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
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	-.273	-.273	0	%100
68	M82	Z	.472	.472	0	%100
69	M83A	X	-.273	-.273	0	%100
70	M83A	Z	.472	.472	0	%100
71	M87	X	-.655	-.655	0	%100
72	M87	Z	1.134	1.134	0	%100
73	M88A	X	-.5	-.5	0	%100
74	M88A	Z	.866	.866	0	%100
75	M90	X	-.527	-.527	0	%100
76	M90	Z	.912	.912	0	%100
77	M92A	X	-.655	-.655	0	%100
78	M92A	Z	1.134	1.134	0	%100
79	M93	X	-.5	-.5	0	%100
80	M93	Z	.866	.866	0	%100
81	M95	X	-.527	-.527	0	%100
82	M95	Z	.912	.912	0	%100
83	M82A	X	-.286	-.286	0	%100
84	M82A	Z	.496	.496	0	%100
85	MP3C	X	-.259	-.259	0	%100
86	MP3C	Z	.449	.449	0	%100
87	MP4C	X	-.259	-.259	0	%100
88	MP4C	Z	.449	.449	0	%100
89	MP2C	X	-.259	-.259	0	%100
90	MP2C	Z	.449	.449	0	%100
91	MP1C	X	-.259	-.259	0	%100
92	MP1C	Z	.449	.449	0	%100
93	M91B	X	0	0	0	%100
94	M91B	Z	0	0	0	%100
95	MP3B	X	-.259	-.259	0	%100
96	MP3B	Z	.449	.449	0	%100
97	MP4B	X	-.259	-.259	0	%100
98	MP4B	Z	.449	.449	0	%100
99	MP2B	X	-.259	-.259	0	%100
100	MP2B	Z	.449	.449	0	%100
101	MP1B	X	-.259	-.259	0	%100
102	MP1B	Z	.449	.449	0	%100
103	M112	X	-.235	-.235	0	%100
104	M112	Z	.407	.407	0	%100
105	M113	X	-.235	-.235	0	%100
106	M113	Z	.407	.407	0	%100
107	M114	X	0	0	0	%100
108	M114	Z	0	0	0	%100
109	M121	X	-.297	-.297	0	%100
110	M121	Z	.514	.514	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	-.297	-.297	0	%100
114	M123	Z	.514	.514	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.165	-.165	0	%100
2	M1	Z	.095	.095	0	%100
3	M4	X	-.504	-.504	0	%100
4	M4	Z	.291	.291	0	%100
5	M10	X	-.142	-.142	0	%100
6	M10	Z	.082	.082	0	%100
7	MP3A	X	-.449	-.449	0	%100
8	MP3A	Z	.259	.259	0	%100
9	MP4A	X	-.449	-.449	0	%100
10	MP4A	Z	.259	.259	0	%100
11	MP2A	X	-.449	-.449	0	%100
12	MP2A	Z	.259	.259	0	%100
13	MP1A	X	-.449	-.449	0	%100
14	MP1A	Z	.259	.259	0	%100
15	M43	X	-.142	-.142	0	%100
16	M43	Z	.082	.082	0	%100
17	M46	X	-.283	-.283	0	%100
18	M46	Z	.164	.164	0	%100
19	M51B	X	-.63	-.63	0	%100
20	M51B	Z	.363	.363	0	%100
21	M52B	X	-.157	-.157	0	%100
22	M52B	Z	.091	.091	0	%100
23	M76	X	-.85	-.85	0	%100
24	M76	Z	.491	.491	0	%100
25	M77	X	-1.155	-1.155	0	%100
26	M77	Z	.667	.667	0	%100
27	M80	X	-1.216	-1.216	0	%100
28	M80	Z	.702	.702	0	%100
29	M84	X	-.85	-.85	0	%100
30	M84	Z	.491	.491	0	%100
31	M85	X	-.289	-.289	0	%100
32	M85	Z	.167	.167	0	%100
33	M91	X	-.304	-.304	0	%100
34	M91	Z	.176	.176	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-.568	-.568	0	%100
38	M53	Z	.328	.328	0	%100
39	M54	X	-.568	-.568	0	%100
40	M54	Z	.328	.328	0	%100
41	M55	X	-1.134	-1.134	0	%100
42	M55	Z	.655	.655	0	%100
43	M58A	X	-.157	-.157	0	%100
44	M58A	Z	.091	.091	0	%100
45	M59A	X	-.157	-.157	0	%100
46	M59A	Z	.091	.091	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-.289	-.289	0	%100
50	M64	Z	.167	.167	0	%100
51	M66	X	-.304	-.304	0	%100
52	M66	Z	.176	.176	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-.289	-.289	0	%100
56	M69	Z	.167	.167	0	%100
57	M71	X	-.304	-.304	0	%100
58	M71	Z	.176	.176	0	%100
59	M76A	X	-.504	-.504	0	%100
60	M76A	Z	.291	.291	0	%100
61	M77A	X	-.142	-.142	0	%100
62	M77A	Z	.082	.082	0	%100
63	M78	X	-.142	-.142	0	%100
64	M78	Z	.082	.082	0	%100
65	M79A	X	-.283	-.283	0	%100
66	M79A	Z	.164	.164	0	%100
67	M82	X	-.157	-.157	0	%100
68	M82	Z	.091	.091	0	%100
69	M83A	X	-.63	-.63	0	%100
70	M83A	Z	.363	.363	0	%100
71	M87	X	-.85	-.85	0	%100
72	M87	Z	.491	.491	0	%100
73	M88A	X	-.289	-.289	0	%100
74	M88A	Z	.167	.167	0	%100
75	M90	X	-.304	-.304	0	%100
76	M90	Z	.176	.176	0	%100
77	M92A	X	-.85	-.85	0	%100
78	M92A	Z	.491	.491	0	%100
79	M93	X	-1.155	-1.155	0	%100
80	M93	Z	.667	.667	0	%100
81	M95	X	-1.216	-1.216	0	%100
82	M95	Z	.702	.702	0	%100
83	M82A	X	-.661	-.661	0	%100
84	M82A	Z	.382	.382	0	%100
85	MP3C	X	-.449	-.449	0	%100
86	MP3C	Z	.259	.259	0	%100
87	MP4C	X	-.449	-.449	0	%100
88	MP4C	Z	.259	.259	0	%100
89	MP2C	X	-.449	-.449	0	%100
90	MP2C	Z	.259	.259	0	%100
91	MP1C	X	-.449	-.449	0	%100
92	MP1C	Z	.259	.259	0	%100
93	M91B	X	-.165	-.165	0	%100
94	M91B	Z	.095	.095	0	%100
95	MP3B	X	-.449	-.449	0	%100
96	MP3B	Z	.259	.259	0	%100
97	MP4B	X	-.449	-.449	0	%100
98	MP4B	Z	.259	.259	0	%100
99	MP2B	X	-.449	-.449	0	%100
100	MP2B	Z	.259	.259	0	%100
101	MP1B	X	-.449	-.449	0	%100
102	MP1B	Z	.259	.259	0	%100
103	M112	X	-.136	-.136	0	%100
104	M112	Z	.078	.078	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
105	M113	X	-.543	-.543	0	%100
106	M113	Z	.314	.314	0	%100
107	M114	X	-.136	-.136	0	%100
108	M114	Z	.078	.078	0	%100
109	M121	X	-.686	-.686	0	%100
110	M121	Z	.396	.396	0	%100
111	M122	X	-.171	-.171	0	%100
112	M122	Z	.099	.099	0	%100
113	M123	X	-.171	-.171	0	%100
114	M123	Z	.099	.099	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.776	-.776	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	-.518	-.518	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-.518	-.518	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-.518	-.518	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.518	-.518	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	-.545	-.545	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.545	-.545	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-1.309	-1.309	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-1	-1	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-1.053	-1.053	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-1.309	-1.309	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-1	-1	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-1.053	-1.053	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.194	-.194	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-.492	-.492	0	%100
38	M53	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
39	M54	X	-.492	-.492	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-.982	-.982	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-.545	-.545	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	-.327	-.327	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-1	-1	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-1.053	-1.053	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-.327	-.327	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
58	M71	Z	0	0	0	%100
59	M76A	X	-.194	-.194	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-.492	-.492	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-.492	-.492	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-.982	-.982	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	-.545	-.545	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.327	-.327	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	-.327	-.327	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-1	-1	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-1.053	-1.053	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-.573	-.573	0	%100
84	M82A	Z	0	0	0	%100
85	MP3C	X	-.518	-.518	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	-.518	-.518	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	-.518	-.518	0	%100
90	MP2C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
91	MP1C	X	-.518	-.518	0	%100
92	MP1C	Z	0	0	0	%100
93	M91B	X	-.573	-.573	0	%100
94	M91B	Z	0	0	0	%100
95	MP3B	X	-.518	-.518	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	-.518	-.518	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-.518	-.518	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-.518	-.518	0	%100
102	MP1B	Z	0	0	0	%100
103	M112	X	0	0	0	%100
104	M112	Z	0	0	0	%100
105	M113	X	-.47	-.47	0	%100
106	M113	Z	0	0	0	%100
107	M114	X	-.47	-.47	0	%100
108	M114	Z	0	0	0	%100
109	M121	X	-.594	-.594	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-.594	-.594	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.165	-.165	0	%100
2	M1	Z	-.095	-.095	0	%100
3	M4	X	-.504	-.504	0	%100
4	M4	Z	-.291	-.291	0	%100
5	M10	X	-.142	-.142	0	%100
6	M10	Z	-.082	-.082	0	%100
7	MP3A	X	-.449	-.449	0	%100
8	MP3A	Z	-.259	-.259	0	%100
9	MP4A	X	-.449	-.449	0	%100
10	MP4A	Z	-.259	-.259	0	%100
11	MP2A	X	-.449	-.449	0	%100
12	MP2A	Z	-.259	-.259	0	%100
13	MP1A	X	-.449	-.449	0	%100
14	MP1A	Z	-.259	-.259	0	%100
15	M43	X	-.142	-.142	0	%100
16	M43	Z	-.082	-.082	0	%100
17	M46	X	-.283	-.283	0	%100
18	M46	Z	-.164	-.164	0	%100
19	M51B	X	-.157	-.157	0	%100
20	M51B	Z	-.091	-.091	0	%100
21	M52B	X	-.63	-.63	0	%100
22	M52B	Z	-.363	-.363	0	%100
23	M76	X	-.85	-.85	0	%100
24	M76	Z	-.491	-.491	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
25	M77	X	-.289	-.289	0	%100
26	M77	Z	-.167	-.167	0	%100
27	M80	X	-.304	-.304	0	%100
28	M80	Z	-.176	-.176	0	%100
29	M84	X	-.85	-.85	0	%100
30	M84	Z	-.491	-.491	0	%100
31	M85	X	-1.155	-1.155	0	%100
32	M85	Z	-.667	-.667	0	%100
33	M91	X	-1.216	-1.216	0	%100
34	M91	Z	-.702	-.702	0	%100
35	M52A	X	-.504	-.504	0	%100
36	M52A	Z	-.291	-.291	0	%100
37	M53	X	-.142	-.142	0	%100
38	M53	Z	-.082	-.082	0	%100
39	M54	X	-.142	-.142	0	%100
40	M54	Z	-.082	-.082	0	%100
41	M55	X	-.283	-.283	0	%100
42	M55	Z	-.164	-.164	0	%100
43	M58A	X	-.63	-.63	0	%100
44	M58A	Z	-.363	-.363	0	%100
45	M59A	X	-.157	-.157	0	%100
46	M59A	Z	-.091	-.091	0	%100
47	M63	X	-.85	-.85	0	%100
48	M63	Z	-.491	-.491	0	%100
49	M64	X	-1.155	-1.155	0	%100
50	M64	Z	-.667	-.667	0	%100
51	M66	X	-1.216	-1.216	0	%100
52	M66	Z	-.702	-.702	0	%100
53	M68	X	-.85	-.85	0	%100
54	M68	Z	-.491	-.491	0	%100
55	M69	X	-.289	-.289	0	%100
56	M69	Z	-.167	-.167	0	%100
57	M71	X	-.304	-.304	0	%100
58	M71	Z	-.176	-.176	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-.568	-.568	0	%100
62	M77A	Z	-.328	-.328	0	%100
63	M78	X	-.568	-.568	0	%100
64	M78	Z	-.328	-.328	0	%100
65	M79A	X	-1.134	-1.134	0	%100
66	M79A	Z	-.655	-.655	0	%100
67	M82	X	-.157	-.157	0	%100
68	M82	Z	-.091	-.091	0	%100
69	M83A	X	-.157	-.157	0	%100
70	M83A	Z	-.091	-.091	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-.289	-.289	0	%100
74	M88A	Z	-.167	-.167	0	%100
75	M90	X	-.304	-.304	0	%100
76	M90	Z	-.176	-.176	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-.289	-.289	0	%100
80	M93	Z	-.167	-.167	0	%100
81	M95	X	-.304	-.304	0	%100
82	M95	Z	-.176	-.176	0	%100
83	M82A	X	-.165	-.165	0	%100
84	M82A	Z	-.095	-.095	0	%100
85	MP3C	X	-.449	-.449	0	%100
86	MP3C	Z	-.259	-.259	0	%100
87	MP4C	X	-.449	-.449	0	%100
88	MP4C	Z	-.259	-.259	0	%100
89	MP2C	X	-.449	-.449	0	%100
90	MP2C	Z	-.259	-.259	0	%100
91	MP1C	X	-.449	-.449	0	%100
92	MP1C	Z	-.259	-.259	0	%100
93	M91B	X	-.661	-.661	0	%100
94	M91B	Z	-.382	-.382	0	%100
95	MP3B	X	-.449	-.449	0	%100
96	MP3B	Z	-.259	-.259	0	%100
97	MP4B	X	-.449	-.449	0	%100
98	MP4B	Z	-.259	-.259	0	%100
99	MP2B	X	-.449	-.449	0	%100
100	MP2B	Z	-.259	-.259	0	%100
101	MP1B	X	-.449	-.449	0	%100
102	MP1B	Z	-.259	-.259	0	%100
103	M112	X	-.136	-.136	0	%100
104	M112	Z	-.078	-.078	0	%100
105	M113	X	-.136	-.136	0	%100
106	M113	Z	-.078	-.078	0	%100
107	M114	X	-.543	-.543	0	%100
108	M114	Z	-.314	-.314	0	%100
109	M121	X	-.171	-.171	0	%100
110	M121	Z	-.099	-.099	0	%100
111	M122	X	-.686	-.686	0	%100
112	M122	Z	-.396	-.396	0	%100
113	M123	X	-.171	-.171	0	%100
114	M123	Z	-.099	-.099	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.286	-.286	0	%100
2	M1	Z	-.496	-.496	0	%100
3	M4	X	-.097	-.097	0	%100
4	M4	Z	-.168	-.168	0	%100
5	M10	X	-.246	-.246	0	%100
6	M10	Z	-.426	-.426	0	%100
7	MP3A	X	-.259	-.259	0	%100
8	MP3A	Z	-.449	-.449	0	%100
9	MP4A	X	-.259	-.259	0	%100
10	MP4A	Z	-.449	-.449	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
11	MP2A	X	-.259	-.259	0	%100
12	MP2A	Z	-.449	-.449	0	%100
13	MP1A	X	-.259	-.259	0	%100
14	MP1A	Z	-.449	-.449	0	%100
15	M43	X	-.246	-.246	0	%100
16	M43	Z	-.426	-.426	0	%100
17	M46	X	-.491	-.491	0	%100
18	M46	Z	-.85	-.85	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.273	-.273	0	%100
22	M52B	Z	-.472	-.472	0	%100
23	M76	X	-.164	-.164	0	%100
24	M76	Z	-.283	-.283	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	-.164	-.164	0	%100
30	M84	Z	-.283	-.283	0	%100
31	M85	X	-.5	-.5	0	%100
32	M85	Z	-.866	-.866	0	%100
33	M91	X	-.527	-.527	0	%100
34	M91	Z	-.912	-.912	0	%100
35	M52A	X	-.388	-.388	0	%100
36	M52A	Z	-.672	-.672	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	-.273	-.273	0	%100
44	M58A	Z	-.472	-.472	0	%100
45	M59A	X	-.273	-.273	0	%100
46	M59A	Z	-.472	-.472	0	%100
47	M63	X	-.655	-.655	0	%100
48	M63	Z	-1.134	-1.134	0	%100
49	M64	X	-.5	-.5	0	%100
50	M64	Z	-.866	-.866	0	%100
51	M66	X	-.527	-.527	0	%100
52	M66	Z	-.912	-.912	0	%100
53	M68	X	-.655	-.655	0	%100
54	M68	Z	-1.134	-1.134	0	%100
55	M69	X	-.5	-.5	0	%100
56	M69	Z	-.866	-.866	0	%100
57	M71	X	-.527	-.527	0	%100
58	M71	Z	-.912	-.912	0	%100
59	M76A	X	-.097	-.097	0	%100
60	M76A	Z	-.168	-.168	0	%100
61	M77A	X	-.246	-.246	0	%100
62	M77A	Z	-.426	-.426	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
63	M78	X	-.246	-.246	0	%100
64	M78	Z	-.426	-.426	0	%100
65	M79A	X	-.491	-.491	0	%100
66	M79A	Z	-.85	-.85	0	%100
67	M82	X	-.273	-.273	0	%100
68	M82	Z	-.472	-.472	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.164	-.164	0	%100
72	M87	Z	-.283	-.283	0	%100
73	M88A	X	-.5	-.5	0	%100
74	M88A	Z	-.866	-.866	0	%100
75	M90	X	-.527	-.527	0	%100
76	M90	Z	-.912	-.912	0	%100
77	M92A	X	-.164	-.164	0	%100
78	M92A	Z	-.283	-.283	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	MP3C	X	-.259	-.259	0	%100
86	MP3C	Z	-.449	-.449	0	%100
87	MP4C	X	-.259	-.259	0	%100
88	MP4C	Z	-.449	-.449	0	%100
89	MP2C	X	-.259	-.259	0	%100
90	MP2C	Z	-.449	-.449	0	%100
91	MP1C	X	-.259	-.259	0	%100
92	MP1C	Z	-.449	-.449	0	%100
93	M91B	X	-.286	-.286	0	%100
94	M91B	Z	-.496	-.496	0	%100
95	MP3B	X	-.259	-.259	0	%100
96	MP3B	Z	-.449	-.449	0	%100
97	MP4B	X	-.259	-.259	0	%100
98	MP4B	Z	-.449	-.449	0	%100
99	MP2B	X	-.259	-.259	0	%100
100	MP2B	Z	-.449	-.449	0	%100
101	MP1B	X	-.259	-.259	0	%100
102	MP1B	Z	-.449	-.449	0	%100
103	M112	X	-.235	-.235	0	%100
104	M112	Z	-.407	-.407	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	M114	X	-.235	-.235	0	%100
108	M114	Z	-.407	-.407	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-.297	-.297	0	%100
112	M122	Z	-.514	-.514	0	%100
113	M123	X	-.297	-.297	0	%100
114	M123	Z	-.514	-.514	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M51B	Y	-1.601	-4.064	0	.832
2	M51B	Y	-4.064	-6.635	.832	1.665
3	M51B	Y	-6.635	-7.874	1.665	2.497
4	M51B	Y	-7.874	-6.292	2.497	3.329
5	M51B	Y	-6.292	-3.33	3.329	4.162
6	M52B	Y	-3.336	-6.325	0	.832
7	M52B	Y	-6.325	-7.938	.832	1.665
8	M52B	Y	-7.938	-6.771	1.665	2.497
9	M52B	Y	-6.771	-4.259	2.497	3.329
10	M52B	Y	-4.259	-1.808	3.329	4.162
11	M82	Y	-1.807	-4.258	0	.832
12	M82	Y	-4.258	-6.771	.832	1.665
13	M82	Y	-6.771	-7.939	1.665	2.497
14	M82	Y	-7.939	-6.325	2.497	3.329
15	M82	Y	-6.325	-3.336	3.329	4.162
16	M83A	Y	-3.33	-6.293	0	.832
17	M83A	Y	-6.293	-7.874	.832	1.665
18	M83A	Y	-7.874	-6.634	1.665	2.497
19	M83A	Y	-6.634	-4.064	2.497	3.329
20	M83A	Y	-4.064	-1.601	3.329	4.162
21	M58A	Y	-1.597	-4.066	0	.832
22	M58A	Y	-4.066	-6.636	.832	1.665
23	M58A	Y	-6.636	-7.874	1.665	2.497
24	M58A	Y	-7.874	-6.293	2.497	3.329
25	M58A	Y	-6.293	-3.33	3.329	4.162
26	M59A	Y	-3.329	-6.32	0	.832
27	M59A	Y	-6.32	-7.943	.832	1.665
28	M59A	Y	-7.943	-6.773	1.665	2.497
29	M59A	Y	-6.773	-4.256	2.497	3.329
30	M59A	Y	-4.256	-1.812	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,...	Start Location[ft,%]	End Location[ft,%]
1	M51B	Y	-5.444	-13.816	0	.832
2	M51B	Y	-13.816	-22.56	.832	1.665
3	M51B	Y	-22.56	-26.773	1.665	2.497
4	M51B	Y	-26.773	-21.392	2.497	3.329
5	M51B	Y	-21.392	-11.321	3.329	4.162
6	M52B	Y	-11.342	-21.504	0	.832
7	M52B	Y	-21.504	-26.989	.832	1.665
8	M52B	Y	-26.989	-23.02	1.665	2.497
9	M52B	Y	-23.02	-14.48	2.497	3.329
10	M52B	Y	-14.48	-6.149	3.329	4.162
11	M82	Y	-6.144	-14.477	0	.832
12	M82	Y	-14.477	-23.021	.832	1.665
13	M82	Y	-23.021	-26.992	1.665	2.497
14	M82	Y	-26.992	-21.505	2.497	3.329
15	M82	Y	-21.505	-11.344	3.329	4.162
16	M83A	Y	-11.321	-21.396	0	.832
17	M83A	Y	-21.396	-26.771	.832	1.665
18	M83A	Y	-26.771	-22.557	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,...	Start Location[ft,%]	End Location[ft,%]
19	M83A	Y	-22.557	-13.819	2.497	3.329
20	M83A	Y	-13.819	-5.445	3.329	4.162
21	M58A	Y	-5.431	-13.823	0	.832
22	M58A	Y	-13.823	-22.564	.832	1.665
23	M58A	Y	-22.564	-26.77	1.665	2.497
24	M58A	Y	-26.77	-21.396	2.497	3.329
25	M58A	Y	-21.396	-11.322	3.329	4.162
26	M59A	Y	-11.317	-21.489	0	.832
27	M59A	Y	-21.489	-27.005	.832	1.665
28	M59A	Y	-27.005	-23.03	1.665	2.497
29	M59A	Y	-23.03	-14.47	2.497	3.329
30	M59A	Y	-14.47	-6.161	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

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

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.017
2	N118	N141	N139	N117	Y	Two Way	-.017
3	N89	N90	N113	N111	Y	Two Way	-.017

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	m...	678.839	10	2666.945	13	1507.192	1	5.448	13	.919	4	.11	2
2		m...	-675.571	4	322.322	7	-1637.71	7	-.228	7	-.965	10	-.193	8
3	N87D	m...	1266.03	9	2644.55	21	980.626	1	-.038	3	.964	12	.237	3
4		m...	-1377.803	3	331.744	3	-890.334	7	-2.778	21	-.966	6	-4.638	21
5	N115	m...	1450.104	11	2653.102	17	806.999	11	.251	11	.921	8	4.758	17
6		m...	-1341.572	5	310.443	11	-767.083	5	-2.7	17	-.92	2	-.143	11
7	Totals:	m...	3267.166	10	7459.074	13	3286.365	1						
8		m...	-3267.166	4	2755.168	7	-3286.367	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Ch...	Loc[ft]	Dir	LC	phi*Pn...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn
1	M1	PIPE_3.0	.151	4.561	19	.063	7.273		20	30813....	65205	5.749	5.749	3...	H1-1b
2	M4	HSS4X4X4	.340	0	13	.076	0	y	23	124657...	139518	16.181	16.181	3...	H1-1b
3	M10	HSS4X4X4	.182	2.375	14	.051	2.375	y	13	136263...	139518	16.181	16.181	1...	H1-1b
4	MP3A	PIPE_2.0	.272	3.875	5	.087	1.188		6	20866....	32130	1.872	1.872	2...	H1-1b
5	MP4A	PIPE_2.0	.172	3.875	5	.065	3.875		6	20866....	32130	1.872	1.872	2...	H1-1b
6	MP2A	PIPE_2.0	.316	4	10	.092	4		10	20866....	32130	1.872	1.872	2...	H1-1b
7	MP1A	PIPE_2.0	.269	3.875	9	.085	3.875		8	20866....	32130	1.872	1.872	2...	H1-1b
8	M43	HSS4X4X4	.186	0	24	.059	0	y	24	136263...	139518	16.181	16.181	1...	H1-1b
9	M46	PL1/2x6	.110	.516	1	.118	0	y	22	66009....	97200	1.012	12.15	1...	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Ch..	Loc[ft]	Dir	LC	phi*Pn...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn
10	M51B	L2x2x3	.114	2.211	20	.016	4.162	y	16	9823.1...	23392.8	.558	1.077	1...	H2-1
11	M52B	L2x2x3	.117	1.951	18	.016	0	y	21	9823.1...	23392.8	.558	1.077	1...	H2-1
12	M76	PL3/8x6	.174	0	4	.316	0	y	18	70647....	72900	.57	9.113	1...	H1-1b
13	M77	PL3/8x6	.159	.167	7	.356	0	y	13	71583....	72900	.57	9.113	1...	H1-1b
14	M80	PL1/2x6	.044	.112	1	.059	0	y	11	96757....	97200	1.012	12.15	1...	H1-1b
15	M84	PL3/8x6	.184	0	10	.231	0	y	21	70647....	72900	.57	9.113	1...	H1-1b
16	M85	PL3/8x6	.164	.167	6	.375	0	y	24	71583....	72900	.57	9.113	1...	H1-1b
17	M91	PL1/2x6	.045	.112	7	.078	.112	y	9	96757....	97200	1.012	12.15	1...	H1-1b
18	M52A	HSS4X4X4	.337	0	21	.084	0	y	43	124657...	139518	16.181	16.181	3...	H1-1b
19	M53	HSS4X4X4	.182	2.375	22	.050	2.375	y	21	136263...	139518	16.181	16.181	1...	H1-1b
20	M54	HSS4X4X4	.183	0	20	.058	0	y	20	136263...	139518	16.181	16.181	1...	H1-1b
21	M55	PL1/2x6	.112	.516	9	.115	0	y	6	66009....	97200	1.012	12.15	1...	H1-1b
22	M58A	L2x2x3	.111	2.211	16	.016	4.162	y	24	9823.1...	23392.8	.558	1.077	1...	H2-1
23	M59A	L2x2x3	.119	1.951	14	.016	0	y	17	9823.1...	23392.8	.558	1.077	1...	H2-1
24	M63	PL3/8x6	.169	0	12	.320	0	y	14	70647....	72900	.57	9.113	1...	H1-1b
25	M64	PL3/8x6	.154	.167	3	.351	0	y	21	71583....	72900	.57	9.113	1...	H1-1b
26	M66	PL1/2x6	.044	.112	9	.058	0	y	7	96757....	97200	1.012	12.15	1...	H1-1b
27	M68	PL3/8x6	.193	0	6	.238	0	y	17	70647....	72900	.57	9.113	1...	H1-1b
28	M69	PL3/8x6	.163	.167	2	.371	0	y	20	71583....	72900	.57	9.113	1...	H1-1b
29	M71	PL1/2x6	.044	.112	9	.088	0	y	47	96757....	97200	1.012	12.15	1...	H1-1b
30	M76A	HSS4X4X4	.340	0	18	.076	0	y	30	124657...	139518	16.181	16.181	3...	H1-1b
31	M77A	HSS4X4X4	.183	2.375	18	.051	2.375	y	17	136263...	139518	16.181	16.181	1...	H1-1b
32	M78	HSS4X4X4	.184	0	16	.057	0	y	16	136263...	139518	16.181	16.181	1...	H1-1b
33	M79A	PL1/2x6	.115	.516	5	.111	0	y	2	66009....	97200	1.012	12.15	1...	H1-1b
34	M82	L2x2x3	.113	2.211	24	.016	4.162	y	20	9823.1...	23392.8	.558	1.077	1...	H2-1
35	M83A	L2x2x3	.115	1.951	22	.016	0	y	13	9823.1...	23392.8	.558	1.077	1...	H2-1
36	M87	PL3/8x6	.166	0	8	.313	0	y	22	70647....	72900	.57	9.113	1...	H1-1b
37	M88A	PL3/8x6	.159	.167	11	.354	0	y	17	71583....	72900	.57	9.113	1...	H1-1b
38	M90	PL1/2x6	.044	.112	11	.057	0	y	3	96757....	97200	1.012	12.15	1...	H1-1b
39	M92A	PL3/8x6	.187	0	2	.240	0	y	13	70647....	72900	.57	9.113	1...	H1-1b
40	M93	PL3/8x6	.166	.167	10	.366	0	y	16	71583....	72900	.57	9.113	1...	H1-1b
41	M95	PL1/2x6	.045	.112	11	.078	.112	y	1	96757....	97200	1.012	12.15	1...	H1-1b
42	M82A	PIPE 3.0	.147	4.561	15	.055	4.561		2	30813....	65205	5.749	5.749	3...	H1-1b
43	MP3C	PIPE 2.0	.265	3.875	1	.086	.938		3	20866....	32130	1.872	1.872	2...	H1-1b
44	MP4C	PIPE 2.0	.167	3.875	1	.063	.938		3	20866....	32130	1.872	1.872	2...	H1-1b
45	MP2C	PIPE 2.0	.326	4	6	.093	4		6	20866....	32130	1.872	1.872	2...	H1-1b
46	MP1C	PIPE 2.0	.276	3.875	5	.083	3.875		4	20866....	32130	1.872	1.872	2...	H1-1b
47	M91B	PIPE 3.0	.155	4.561	23	.055	4.561		10	30813....	65205	5.749	5.749	3...	H1-1b
48	MP3B	PIPE 2.0	.267	3.875	9	.089	.938		11	20866....	32130	1.872	1.872	2...	H1-1b
49	MP4B	PIPE 2.0	.168	3.875	9	.063	.938		11	20866....	32130	1.872	1.872	2...	H1-1b
50	MP2B	PIPE 2.0	.317	4	7	.092	4		2	20866....	32130	1.872	1.872	2...	H1-1b
51	MP1B	PIPE 2.0	.276	3.875	1	.086	3.875		12	20866....	32130	1.872	1.872	2...	H1-1b
52	M112	PIPE 2.5	.155	6.38	8	.066	10.5...		12	14558....	50715	3.596	3.596	2...	H1-1b
53	M113	PIPE 2.5	.159	6.38	4	.064	10.5...		8	14558....	50715	3.596	3.596	2...	H1-1b
54	M114	PIPE 2.5	.158	6.38	12	.066	6.25		6	14558....	50715	3.596	3.596	3...	H1-1b
55	M121	L3X3X4	.243	2.134	7	.027	0	y	6	42181....	46656	1.688	3.756	2...	H2-1
56	M122	L3X3X4	.246	2.134	3	.026	.089	y	2	42181....	46656	1.688	3.756	2...	H2-1
57	M123	L3X3X4	.232	2.134	11	.025	0	y	10	42181....	46656	1.688	3.756	2...	H2-1

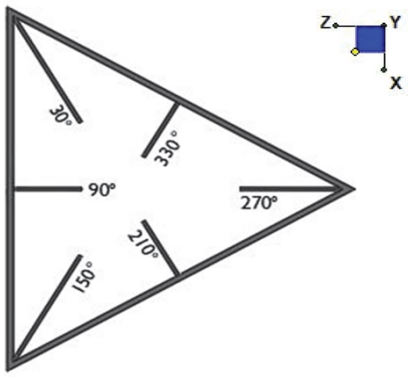
Client:	Verizon Wireless	Date:	9/15/2021
Site Name:	SUFFIELD 4 CT		
Project No.	21777476A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

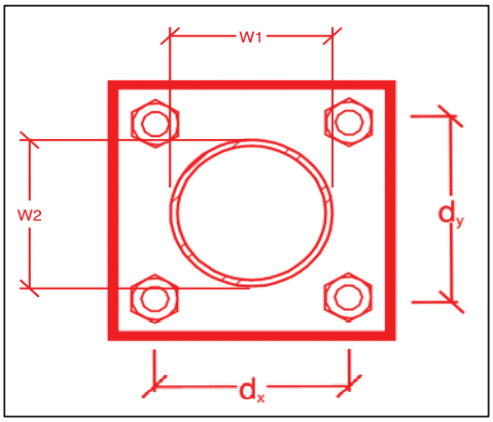
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N87D	30
N3	270
N115	150



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)* :	7
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	7
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	19.1
Required Shear Strength (kips):	3.5
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**23.0%***
Shear Capacity Overall:	**7.1%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.625
Weld Size (1/16 in):	6
Phi*Rn (kip/in):	8.35
Required Weld Strength (kip/in):	3.10
Plate Bending Capacity:	**45.4%**
Weld Capacity:	**37.2%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	14.3
Phi*Mn_{xx} *(kip-in)* :	31.6
Mu_{yy} *(kip-in)* :	0.0
Phi*Mn_{yy} *(kip-in)* :	31.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

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

Base Requirements:

- If installation of the modification will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the post-modification passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo shall be time and date stamped.
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: **https://pmi.vzwsmart.com**

Photo Requirements:

- *Photos taken at ground level*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation of the modifications.
  - Photos of the mount after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to modification.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation of modifications. Each entire sector must be in one photo to show the interconnection of members.

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

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by the SMART Tool vendor.
    - If the materials are as specified on the drawings
        - The contractor shall provide the packing list, or the materials certifications for the materials utilized to perform the mount modification
        - Commscope, Metrosite, Perfect Vision, Sabre, and Site Pro have all agreed to support Verizon vendors with the necessary material certifications
    - If seeking permission to use an equivalent
        - It is required that the SMART Tool engineering vendor approval of such is included in the contractor submission package. There may be an additional charge for approval if the equivalent submission doesn't meet specifications as prescribed in the drawings.

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

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

OR

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

Antenna & equipment placement and Geometry Confirmation:

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

OR

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

Comments:

Certifying Individual:

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

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

☐ Yes ☐ No

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

Issue:

Response:

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

☐ Yes ☐ No

Comments:

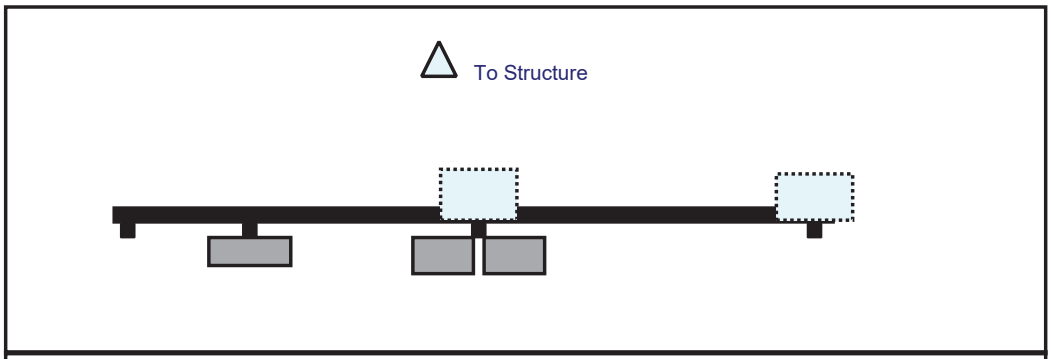
Structure: 535835-VZW - SUFFIELD 4 CT

Sector: **A** 9/15/2021

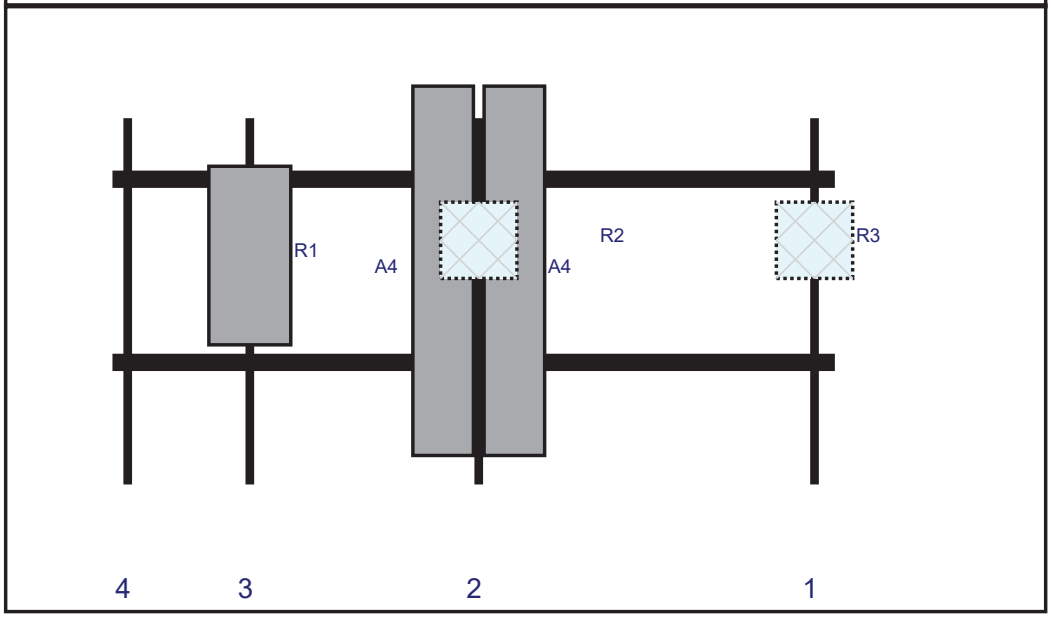
Structure Type: Monopole 10046645

Mount Elev: 151.25 Page: 1

Plan View



Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R3	RF4440d-13A	15	15	138	1	a	Behind	24	0	Added	
A4	SBNHH-1D65B	72.6	11.9	72	2	a	Front	30	-7	Retained	03/26/2021
A4	SBNHH-1D65B	72.6	11.9	72	2	b	Front	30	7	Retained	03/26/2021
R2	RF4439d-25A	15	15	72	2	a	Behind	24	0	Added	
R1	MT6407-77A	35.1	16.1	27	3	a	Front	27	0	Added	

Structure: 535835-VZW - SUFFIELD 4 CT

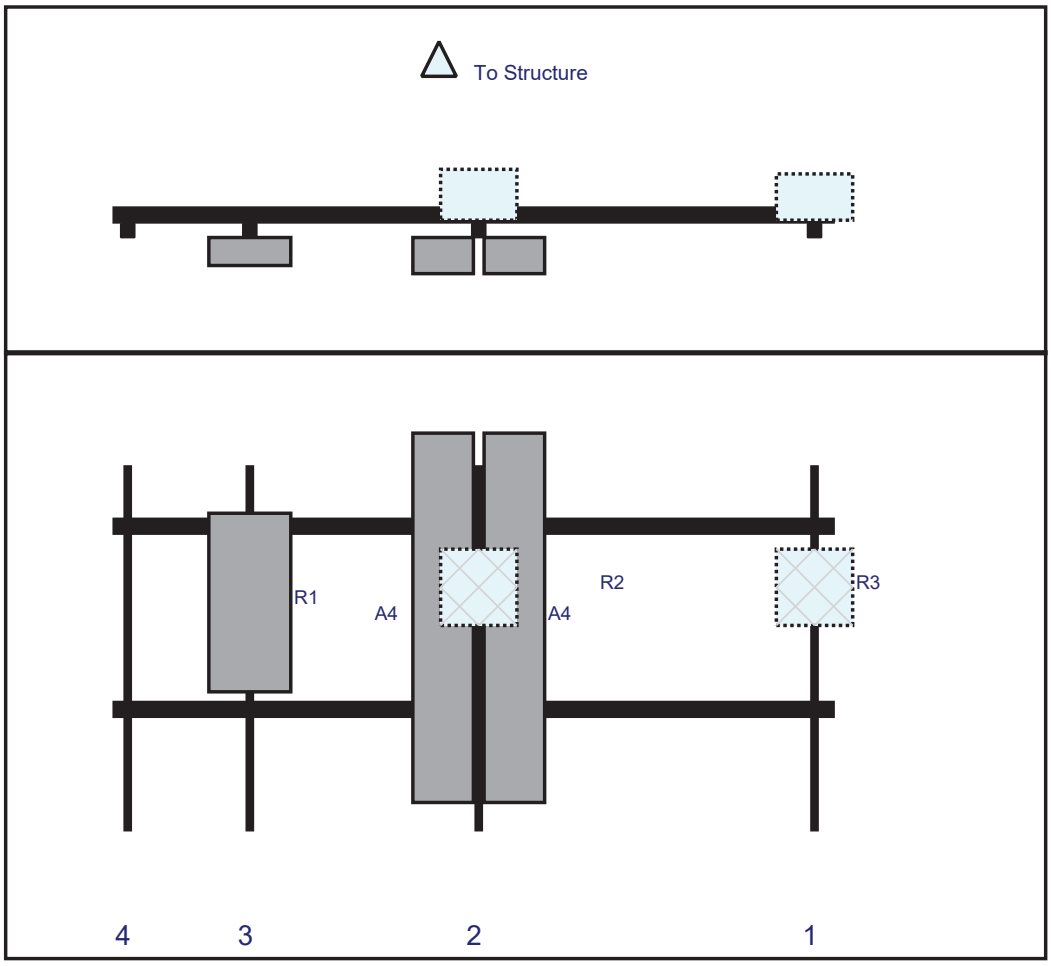
Sector: **B** 9/15/2021

Structure Type: Monopole 10046645

Mount Elev: 151.25

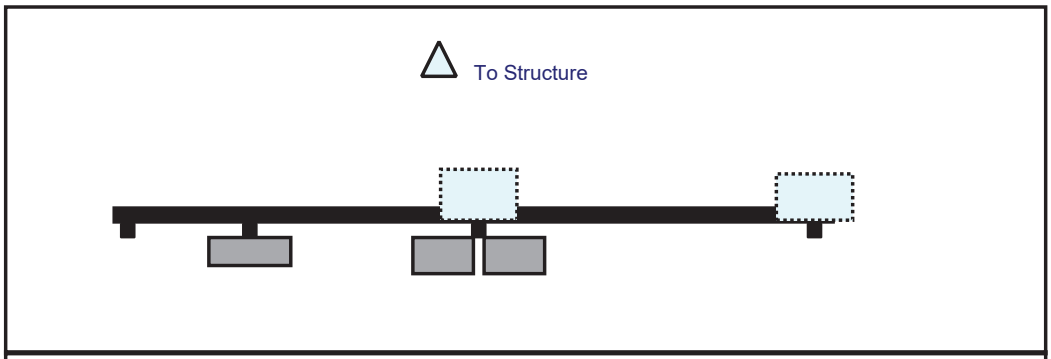
Plan View

Front View
Looking at Structure

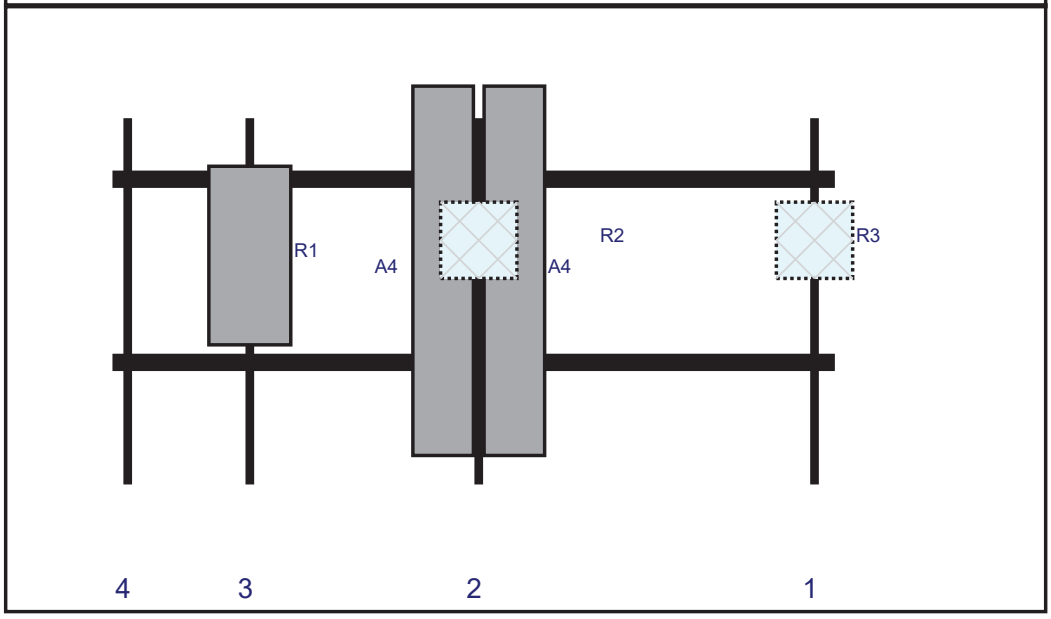


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R1	MT6407-77A	35.1	16.1	27	3	a	Front	27	0	Added	
R3	RF4440d-13A	15	15	138	1	a	Behind	24	0	Added	
A4	SBNHH-1D65B	72.6	11.9	72	2	a	Front	30	-7	Retained	03/26/2021
A4	SBNHH-1D65B	72.6	11.9	72	2	b	Front	30	7	Retained	03/26/2021
R2	RF4439d-25A	15	15	72	2	a	Behind	24	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
R3	RF4440d-13A	15	15	138	1	a	Behind	24	0	Added	
A4	SBNHH-1D65B	72.6	11.9	72	2	a	Front	30	-7	Retained	03/26/2021
A4	SBNHH-1D65B	72.6	11.9	72	2	b	Front	30	7	Retained	03/26/2021
R2	RF4439d-25A	15	15	72	2	a	Behind	24	0	Added	
R1	MT6407-77A	35.1	16.1	27	3	a	Front	27	0	Added	

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	Site ID:	*535835-VZW / SUFFIELD 4 CT*
	Site Name:	*SUFFIELD 4 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*848 East Street* *Suffield, Connecticut 06108* *Hartford County*
	Latitude:	*41.957000°*
	Longitude:	*-72.625722°*
Structure Information	Tower Type:	*Monopole*
	Mount Type:	*11.83-Ft Platform*

To Whom It May Concern,

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

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

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

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

Sincerely,

Digitally signed by Justin Linette
Date: 2021.09.16 15:20:34-04'00'

Justin Linette, PE
Senior Technical Manager

Exhibit F

Power Density/RF Emissions Report

Site Name: ***SUFFIELD 4 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	698	2792	153	0.0043	0.5007	0.86%
VZW CDMA	869	2	391	782	153	0.0012	0.5793	0.21%
VZW Cellular	869	4	826	3304	153	0.0051	0.5793	0.88%
VZW PCS	1980	4	1492	5968	153	0.0092	1.0000	0.92%
VZW AWS	2125	4	1581	6324	153	0.0097	1.0000	0.97%
VZW CBAND	3730	4	6531	26124	153	0.0401	1.0000	4.01%
Total Percentage of Maximum Permissible Exposure								7.84%

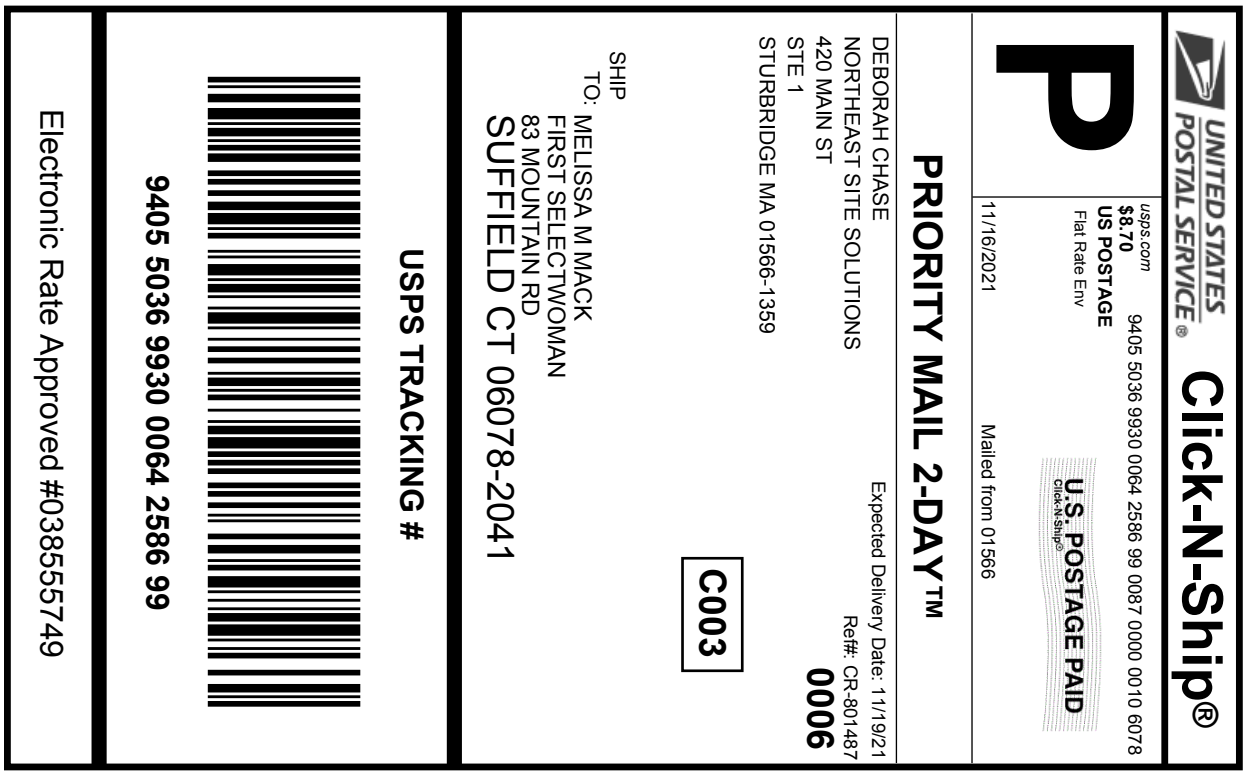
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification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

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

Absolute worst case maximum values used.

Exhibit F

Recipient Mailings



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STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-801487

To: MELISSA M MACK
FIRST SELECTWOMAN
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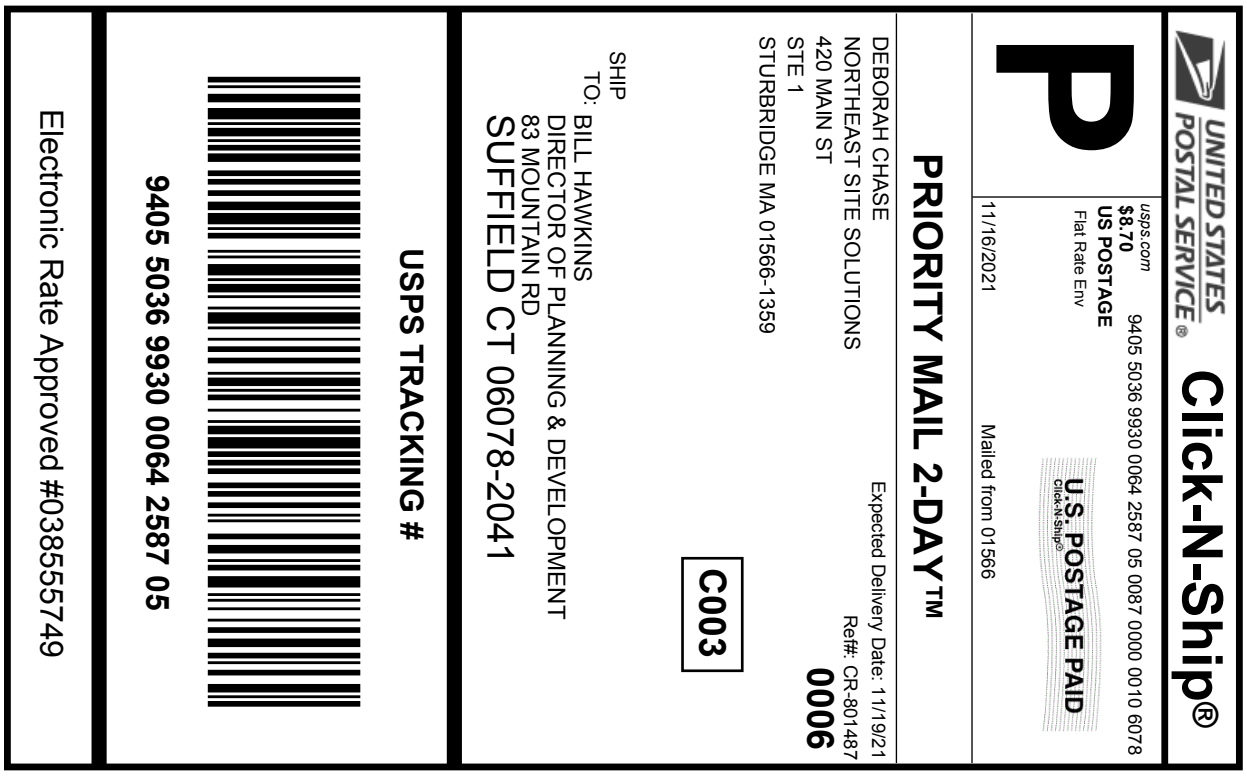

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From: DEBORAH CHASE
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420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-801487

To: BILL HAWKINS
DIRECTOR OF PLANNING & DEVELOPMENT
83 MOUNTAIN RD
SUFFIELD CT 06078-2041

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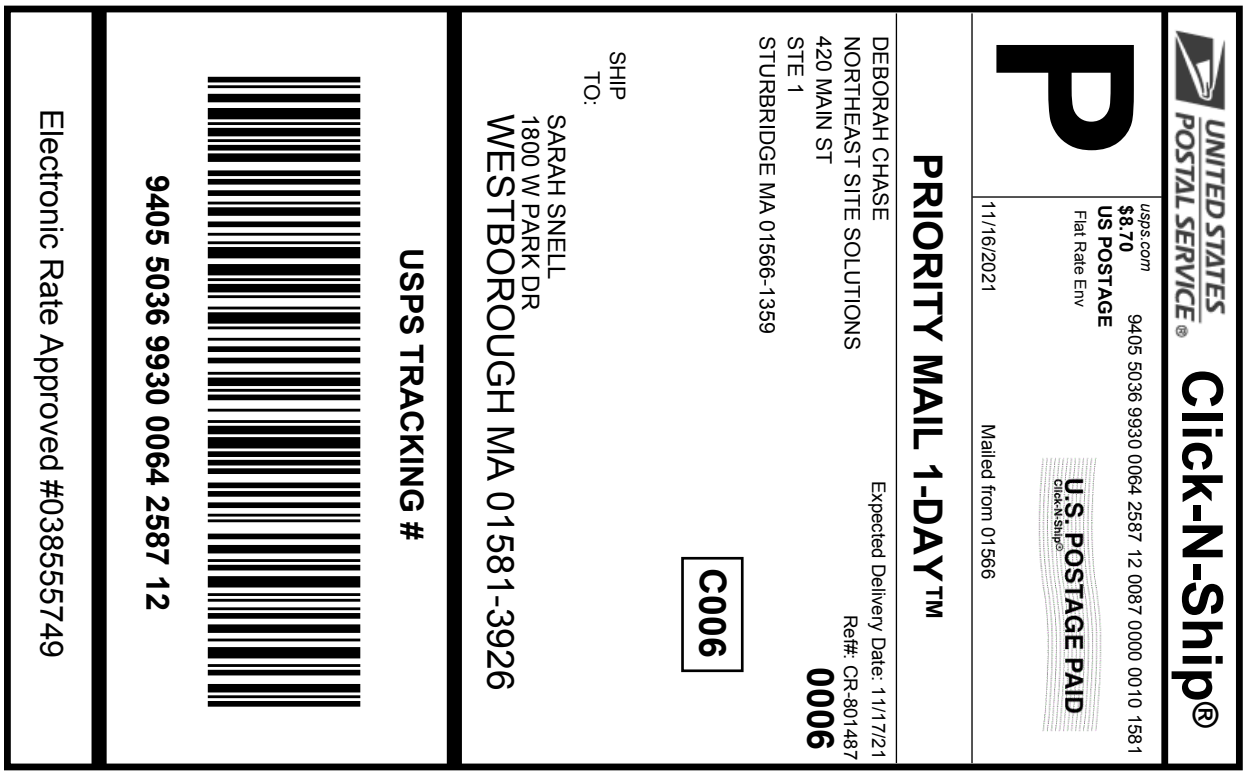

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From: DEBORAH CHASE
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420 MAIN ST
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STURBRIDGE MA 01566-1359

Ref#: CR-801487

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

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Prepaid Mail Suffield, CT 06078 Weight: 0 lb 7.00 oz Acceptance Date: Wed 11/17/2021 Tracking #: 9405 5036 9930 0064 2587 05	1		$0.00
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