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 2, 2021

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

RE: Exempt Modification Application
53 Slater Street, Manchester, CT 06040
Latitude: 41.805000
Longitude: -72.533611
Site #: 876347_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 53 Slater Street, Manchester, CT 06040. Verizon Wireless currently maintains twelve (12) antennas at the 113-foot level of the existing 155-foot tower. The property is owned by One Hundred Twenty One Connecticut Avenue Associates LLC and the tower is owned by Crown Castle. Verizon now intends to replace three (3) antennas. The new antennas would be installed at the 113-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 Maser mount analysis dated May 5, 2021.

Verizon Planned Modifications:

Remove:
(2) Nokia B4 RRH
(6) 1-5/8" Coax

Remove and Replace:
(3) BXA-70063-6CF Antennas (REMOVE) - (3) MT6407-77A Antennas (REPLACE)
(3) Nokia B25 RRH (REMOVE) - (3) Samsung B2/B66A RRH-BR049 (REPLACE)
(3) Nokia B13 RRH (REMOVE) - (3) Samsung B5/B13 RRH-BR04C (REPLACE)
(1) 1-5/8" Hybrid Line (REMOVE) – (1) 1-5/8" Hybrid Line (REPLACE)

Install New:
(1) Raycap

Existing to Remain:
(3) ANDREW Antennas
(6) COMMSCOPE Antennas
(1) Raycap
(6) 1-5/8" Coax
(1) 1-1/4" Hybrid Line

NORTHEAST SITE SOLUTIONS

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The facility was originally approved by the Town of Manchester Planning and Zoning Commission on August 17, 1998. Please see attached.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies§ 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.SA. § 16-SOj-73, a copy of this letter is being sent to The Honorable Jay Moran, Mayor, and Gary Anderson, Director of Planning for the Town of Manchester. 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

Attachments

Cc: The Honorable Jay Moran, Mayor
Town of Manchester
41 Center Street Manchester, CT 06045

NORTHEAST
SITE SOLUTIONS
Turnkey Wireless Development

Steve Stephanou, Deputy General Manager
Town of Manchester
41 Center Street, Manchester, CT 06045

Gary Anderson, Director of Planning
Town of Manchester
494 Main Street Lincoln Center, 2nd FL Manchester, CT 06045

One Hundred Twenty One Connecticut Avenue Associates LLC – Property Owner
9 Lake Lane
Ellington, CT 06029

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

VOL 2013 PG 259

TOWN OF MANCHESTER

PLANNING AND ZONING COMMISSION

CERTIFICATE OF APPROVAL OF SPECIAL EXCEPTION

Owner of record: Raglin Associates, c/o Sullivan Tile Dist.

Property Address: 53 Slater Street

Applicant: Sprint Spectrum LP

Regulation(s) cited: Article IV, Section 19.05

SPECIAL EXCEPTION GRANTED:

with modifications and the condition that a caveat addressing co-location requirements be submitted for staff review and filed on the land records by the applicant prior to any construction.

* ALL SITE WORK APPROVED BY THIS SPECIAL EXCEPTION MUST BE COMPLETED BY AUGUST 17, 2003 (5 yrs. From approval date). FAILURE TO COMPLETE ALL WORK WITHIN THE SPECIFIED TIME PERIOD WILL RESULT IN AUTOMATIC EXPIRATION OF THE APPROVAL.

* THIS CERTIFICATE MUST BE RECORDED IN THE LAND RECORDS IN THE OFFICE OF THE TOWN CLERK BEFORE THE SPECIAL EXCEPTION IS LAWFULLY EFFECTIVE.

CERTIFIED:

Frank Daversa

Secretary
Planning and Zoning Commission

*DATE ADOPTED: August 17, 1998

FILE NO. S-147

Received for Record on
SEP 11 1998 at 2:43 P.M.
Joseph V. Camposeo

Joseph V. Camposeo, Town Clerk

TOWN OF MANCHESTER
41 CENTER STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191
(860) 647-3052 FAX: (860) 647-3144

ZONING PERMIT

CERTIFICATION OF ZONING COMPLIANCE REQUEST

PERMIT/APPLICATION NBR: 99 00000638 DATE APPLIED: 10/08/98
PERMIT TYPE: ZONE APP TYPE: DISH PREPARED BY: PAT21
DATE ISSUED: 11/03/98

PROPERTY ADDRESS:
3 SLATER STREET
TENANT:

LEGAL DESCRIPTION:

OWNER NAME/ADDRESS:
AGLIN ASSOCIATES
C/O SULLIVAN TILE DIST
5 RAILROAD AVE
EST HAVEN CT 06516

CONTRACTOR NAME/ADDRESS:

OTHER:
SPRINT PCS

VALUATION:
OCCUPANCY TYPE: COMMERCIAL BUIL Certificate of O-C-U-P-T: C
Dimensions of structure: 150' Plans for building: YES

DESCRIPTION OF OTHER BUILDINGS NOT SHOWN:
CONDITIONS: REMARKS:
ADDTNL APPROVAL: ADDTNL PERMITS:

MISCELLANEOUS INFO: SITE DEVELOPMENT AND COLORS OF TOWER AND EQUIPMENT CABINETS TO BE AS APPRVD BY PZC ON 8/17/98

THIS IS TO CERTIFY THAT THE ABOVE STATED INFORMATION IS A PERMITTED AND LAWFUL USE AS CONTROLLED BY THE ZONING REGULATIONS OF THE TOWN OF MANCHESTER, CONNECTICUT, UPON AUTHORIZED SIGNATURE OF THE ZONING ENFORCEMENT OFFICER.

Thomas R. O'Meara
APPROVAL SIGNATURE

11/3/98
DATE

ORIGINAL

Exhibit B

Property Card

53 SLATER STREET

Location	53 SLATER STREET	**Mblu**	56/ 5140/ 53/ /
Acct#	514000053	**Owner**	ONE HUNDRED TWENTY ONE CONN-
Assessment	$1,690,200	**Appraisal**	$2,414,500
PID	14616	**Building Count**	4

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2011	$1,689,400	$725,100	$2,414,500
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2011	$1,182,600	$507,600	$1,690,200

Owner of Record

Owner	ONE HUNDRED TWENTY ONE CONN-ECTICUT AVENUE ASSOCIATES LLC	**Sale Price**	$1,180,000
		Certificate	C
Address	9 LAKE LANE ELLINGTON, CT 06029	**Book & Page**	2683/ 224
		Sale Date	07/17/2003
		Instrument	33

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
ONE HUNDRED TWENTY ONE CONN-	$1,180,000	C	2683/ 224	33	07/17/2003
RAGLIN ASSOCIATES LLC	$0		2132/ 338		12/02/1999

Building Information

Building 1 : Section 1

Year Built: 1987
Living Area: 6333
Replacement Cost: $474,167
Replacement Cost Less Depreciation: $265,500

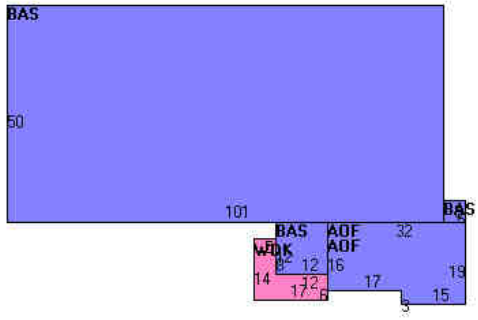
Building Attributes	
Field	**Description**
STYLE	Service Shop
MODEL	Ind/Comm

Building Photo

Grade	Average
Stories:	1
Occupancy	4
Exterior Wall 1	Pre-finsh Metl
Exterior Wall 2	Brick Veneer
Roof Structure	Gable/Hip
Roof Cover	Enam Mtl Shing
Interior Wall 1	Wall Brd/Wood
Interior Wall 2	Minim/Masonry
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Gas
Heating Type	Forced Air-Duc
AC Type	Partial
Bldg Use	Industrial 96
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	300
Heat/AC	Heat/AC Packag
Frame Type	Steel
Baths/Plumbing	Average
Ceiling/Wall	Ceil & Min Wl
Rooms/Prtns	Average
Wall Height	14
% Comn Wall	0

(http://images.vgsi.com/photos/ManchesterCTPhotos//\00\03\43/03.jpg)

Building Layout



Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	5219	5219
AOF	Office, (Average)	1114	1114
WDK	Wood Deck	142	0
		6475	6333

Building 2 : Section 1

Year Built: 1987
Living Area: 24306
Replacement Cost: $1,082,175
Replacement Cost Less Depreciation: $606,000

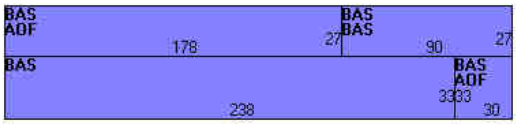
Building Photo

Building Attributes : Bldg 2 of 4	
Field	**Description**
STYLE	Pre-Eng Garage
MODEL	Ind/Comm
Grade	Average
Stories:	1
Occupancy	4
Exterior Wall 1	Pre-finsh Metl

Exterior Wall 2	Brick Veneer
Roof Structure	Gable/Hip
Roof Cover	Enam Mtl Shing
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Gas
Heating Type	Forced Air-Duc
AC Type	Partial
Bldg Use	Industrial 96
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	300
Heat/AC	Heat AC Split
Frame Type	Steel
Baths/Plumbing	Average
Ceiling/Wall	Susp Ceil & Wl
Rooms/Prtns	Average
Wall Height	22
% Comn Wall	0

(http://images.vgsi.com/photos/ManchesterCTPhotos//\00\03\43/04.jpg)

Building Layout



Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	18510	18510
AOF	Office, (Average)	5796	5796
		24306	24306

Building 3 : Section 1

Year Built: 1987
Living Area: 10320
Replacement Cost: $433,337
Replacement Cost Less Depreciation: $242,700

Building Attributes : Bldg 3 of 4	
Field	**Description**
STYLE	Pre-Eng Garage
MODEL	Ind/Comm
Grade	Average
Stories:	1
Occupancy	12
Exterior Wall 1	Pre-finsh Metl
Exterior Wall 2	Brick Veneer

Building Photo

(http://images.vgsi.com/photos/ManchesterCTPhotos//\00\03\43/05.jpg)

Roof Structure	Gable/Hip
Roof Cover	Enam Mtl Shing
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Electric
Heating Type	Hot Air-no Duc
AC Type	None
Bldg Use	Industrial 96
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	300
Heat/AC	None
Frame Type	Steel
Baths/Plumbing	Average
Ceiling/Wall	Ceil & Min Wl
Rooms/Prtns	Average
Wall Height	18
% Comn Wall	0

Building Layout

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	10320	10320
		10320	10320

Building 4 : Section 1

Year Built: 2008
Living Area: 12000
Replacement Cost: $479,640
Replacement Cost Less Depreciation: $465,300

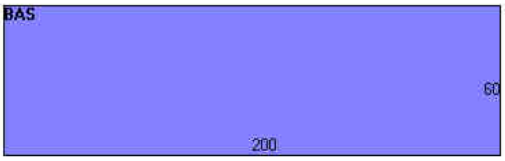
Building Attributes : Bldg 4 of 4	
Field	**Description**
STYLE	Pre-Eng Garage
MODEL	Ind/Comm
Grade	Average
Stories:	1
Occupancy	8
Exterior Wall 1	Pre-finsh Metl
Exterior Wall 2	Concr/Cinder
Roof Structure	Gable/Hip
Roof Cover	Enam Mtl Shing
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Gas

Building Photo

(http://images.vgsi.com/photos/ManchesterCTPhotos//\00\03\43/06.jpg)

Building Layout

Heating Type	Hot Air-no Duc
AC Type	None
Bldg Use	Industrial 96
Total Rooms	00
Total Bedrms	00
Total Baths	0
1st Floor Use:	
Heat/AC	None
Frame Type	Steel
Baths/Plumbing	Average
Ceiling/Wall	Ceil & Min Wl
Rooms/Prtns	Average
Wall Height	18
% Comn Wall	0



Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	12000	12000
		12000	12000

Extra Features

Extra Features				Legend
Code	**Description**	**Size**	**Value**	**Bldg #**
A/C	Partial AC	5796 S.F.	$6,500	2

Land

Land Use

Use Code	300
Description	Industrial 96
Zone	IND
Neighborhood	5000
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	4.96
Frontage	0
Depth	0
Assessed Value	$507,600
Appraised Value	$725,100

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
PAV1	Paving Asphalt			13350 S.F.	$19,200	4
PAV1	Paving Asphalt			37000 S.F.	$17,800	1
FN3	Fence 6' Chain			300 L.F.	$2,000	1
PAV2	Paving Concrete			96 S.F.	$300	4
SHDT	Telephone Shed			319 S.F.	$31,600	1
FN4	Fence 8' Chain			54 L.F.	$900	1
SHDT	Telephone Shed			319 S.F.	$31,600	1

Valuation History

Appraisal

Valuation Year	Improvements	Land	Total
2010	$1,766,600	$760,300	$2,526,900
2005	$871,200	$540,700	$1,411,900
2000	$1,082,500	$540,700	$1,623,200

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2010	$1,236,700	$532,300	$1,769,000
2005	$609,900	$378,500	$988,400
2000	$757,800	$378,500	$1,136,300

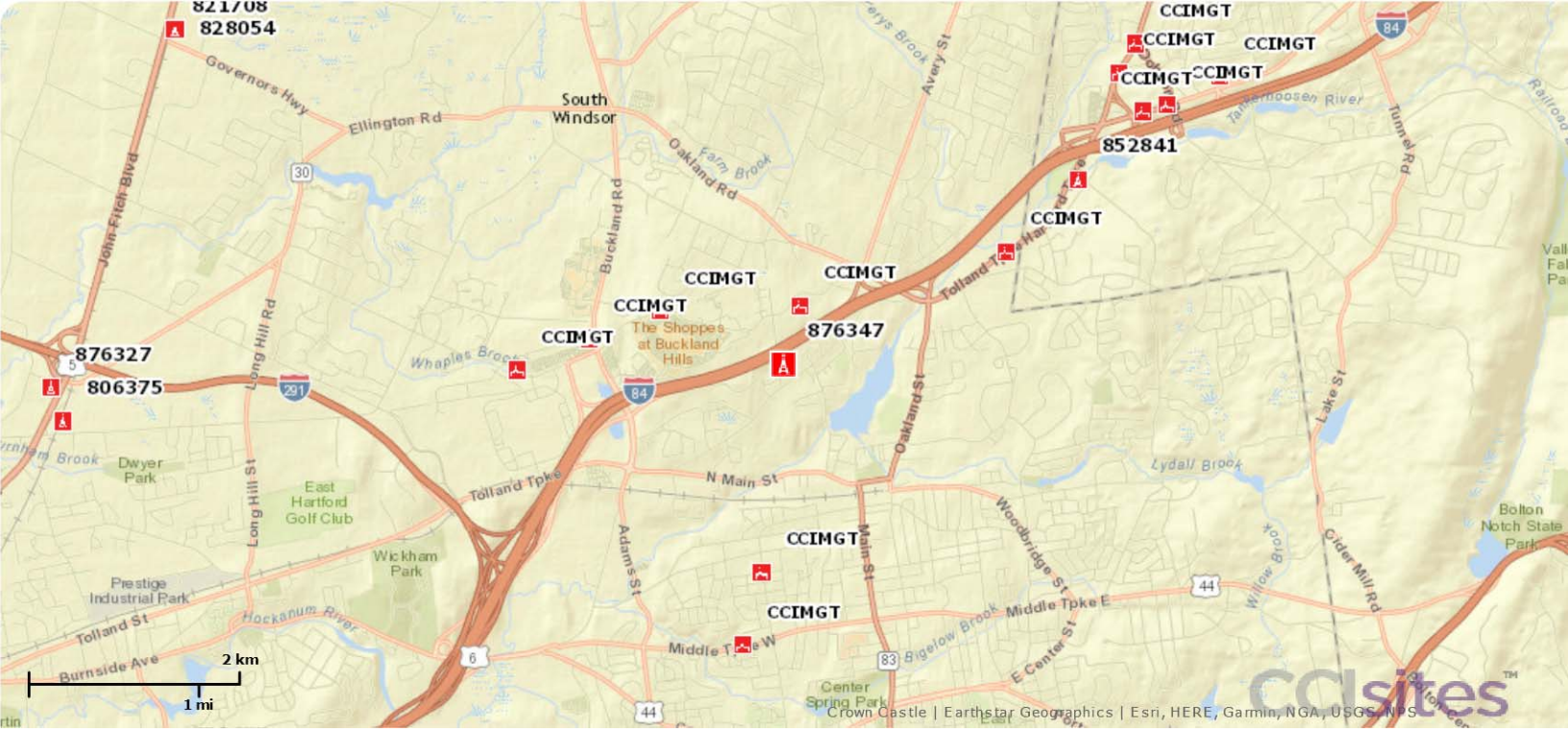

821708
828054
CCIMGT
CCIMGT
CCIMGT
CCIMGT
852841
CCIMGT
CCIMGT
CCIMGT
CCIMGT
876347
876327
806375
CCIMGT
CCIMGT
South Windsor
Ellington Rd
Governors Hwy
John Fitch Blvd
Buckland Rd
Oakland Rd
Farm Brook
Avery St
Tankerhoosen River
Tunnel Rd
Tolland Tpke
Long Hill Rd
Whaples Brook
The Shoppes at Buckland Hills
Oakland St
Lake St
Lydall Brook
Dwyer Park
East Hartford Golf Club
Tolland Tpke
N Main St
Long Hill St
Adams St
Main St
Woodbridge St
Bolton Notch State Park
Prestige Industrial Park
Wickham Park
Tolland St
Hockanum River
Middle Tpke W
Middle Tpke E
Bigelow Brook
Willow Brook
Cider Mill Rd
E Center St
Burnside Ave
Center Spring Park
2 km
1 mi
Crown Castle | Earthstar Geographics | Esri, HERE, Garmin, NGA, USGS, NPS

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 468759
VERIZON SITE NAME: BUCKLAND CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 155'-0"

BUSINESS UNIT #: 876347
SITE ADDRESS: 53 SLATER STREET MANCHESTER, CT 06040
COUNTY: HARTFORD
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON 5G L-SUB6 - CARRIER ADD

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	BUCKLAND MALL
SITE ADDRESS:	53 SLATER STREET MANCHESTER, CT 06040
COUNTY:	HARTFORD
MAP/PARCEL #:	14616
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.805°
LONGITUDE:	-72.5336°
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	196'
CURRENT ZONING:	IND
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:	ONE HUNDRED TWENTY ONE CONNECTICUT AVENUE ASSOCIATES LLC 9 LAKE LANE ELLINGTON, CT 06029
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	NOT PROVIDED
TELCO PROVIDER:	NOT PROVIDED

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S BOULDER AVE, SUITE 300 TULSA, OK 74119 JENNY PAUL (918) 587-4630
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065
VERIZON CONTACT:	TIMOTHY PARKS TIMOTHY.PARKS@VERIZONWIRELESS.COM

DRAWING INDEX

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

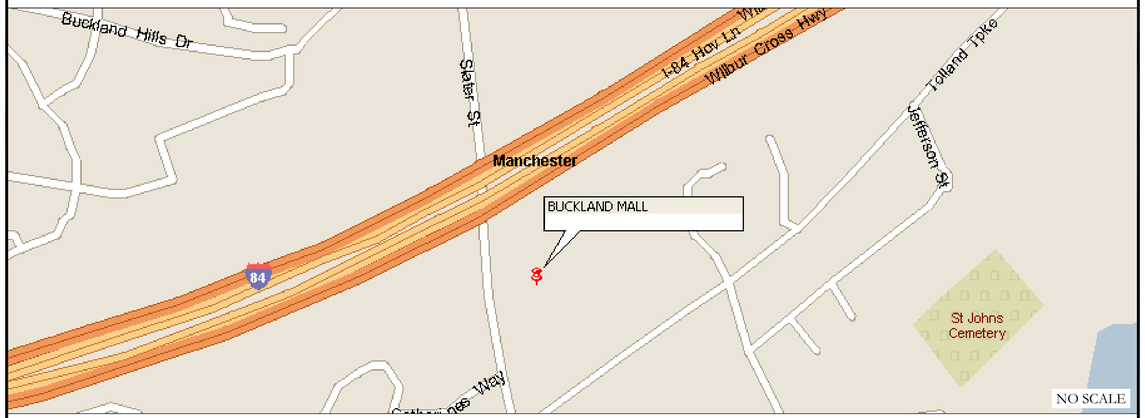
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	N

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (EXIT 62 OFF 84 EAST, TAKE RIGHT. GO TO TOLL AND TURNPIKE, LEFT ON SLATER. GO ONE MILE TO SLATER STREET INDUSTRIAL PARK (53-73 SLATER STREET). DRIVEWAY ON RIGHT, GO UP PAVED DRIVE. LL CONTACT INFORMATION. GUY BURNS. CELL 860-716-6495 OFFICE 860-870-8100 CONNECTICUT AVENUE ASSOCIATES. NEW LL CONTACT: KATHY DZEN KDZEN@DELRAYINC.COM DELRAY DEVELOPMENT LLC PROPERTY MANAGER 860-870-8100 – OFFICE 860-870-9554 - FAX)

APPLICABLE CODES/REFERENCE DOCUMENTS

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

CODE TYPE	CODE
BUILDING	2018 IBC
MECHANICAL	2018 IMC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: DATED:	BY OTHERS
MOUNT ANALYSIS: DATED:	BY OTHERS
RFDS REVISION: DATED:	N/A 3/16/21
ORDER ID: REVISION:	552625 0

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

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:
- REMOVE (3) ANTENNAS
- REMOVE (8) RRHs
- REMOVE (6) COAX CABLE
- REMOVE (1) HYBRID CABLE
- RELOCATE (3) ANTENNAS
- INSTALL (3) DUAL MOUNT BRACKET
- INSTALL (3) ANTENNAS
- INSTALL (6) RRHs
- INSTALL (1) OVP
- INSTALL (1) HYBRID CABLE

GROUND SCOPE OF WORK:

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:
468759

BU #: **876347**
BUCKLAND MALL

53 SLATER STREET
MANCHESTER, CT 06040

EXISTING 155'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	4/15/21	LHT	PRELIMINARY REVIEW	MTJ
0	6/16/21	JJR	CONSTRUCTION	MTJ

STATE OF CONNECTICUT
GARO MICHAEL TOUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
6/16/21

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.

ELECTRICAL INSTALLATION NOTES:

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

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

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

GREENFIELD GROUNDING NOTES:

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

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

VERIZON SITE NUMBER:
468759

BU #: **876347**
BUCKLAND MALL

53 SLATER STREET
MANCHESTER, CT 06040

EXISTING 155'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	4/15/21	LHT	PRELIMINARY REVIEW	MTJ
0	6/16/21	JJR	CONSTRUCTION	MTJ

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

SHEET NUMBER: T-2

REVISION: 0

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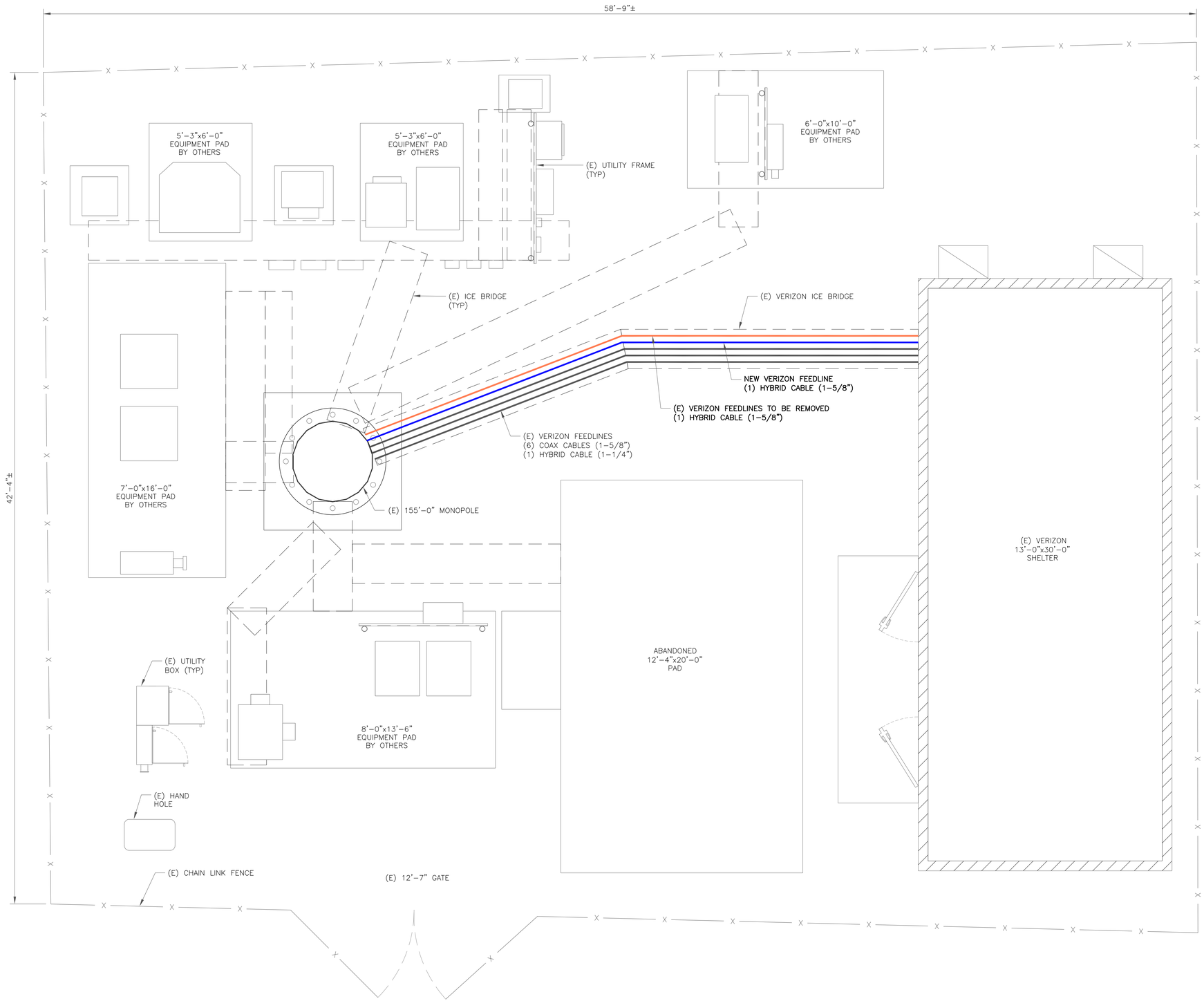

1 SITE PLAN
SCALE: 2' 1' 0 2' 3/8"=1'-0" (FULL SIZE) 3/16"=1'-0" (11x17)

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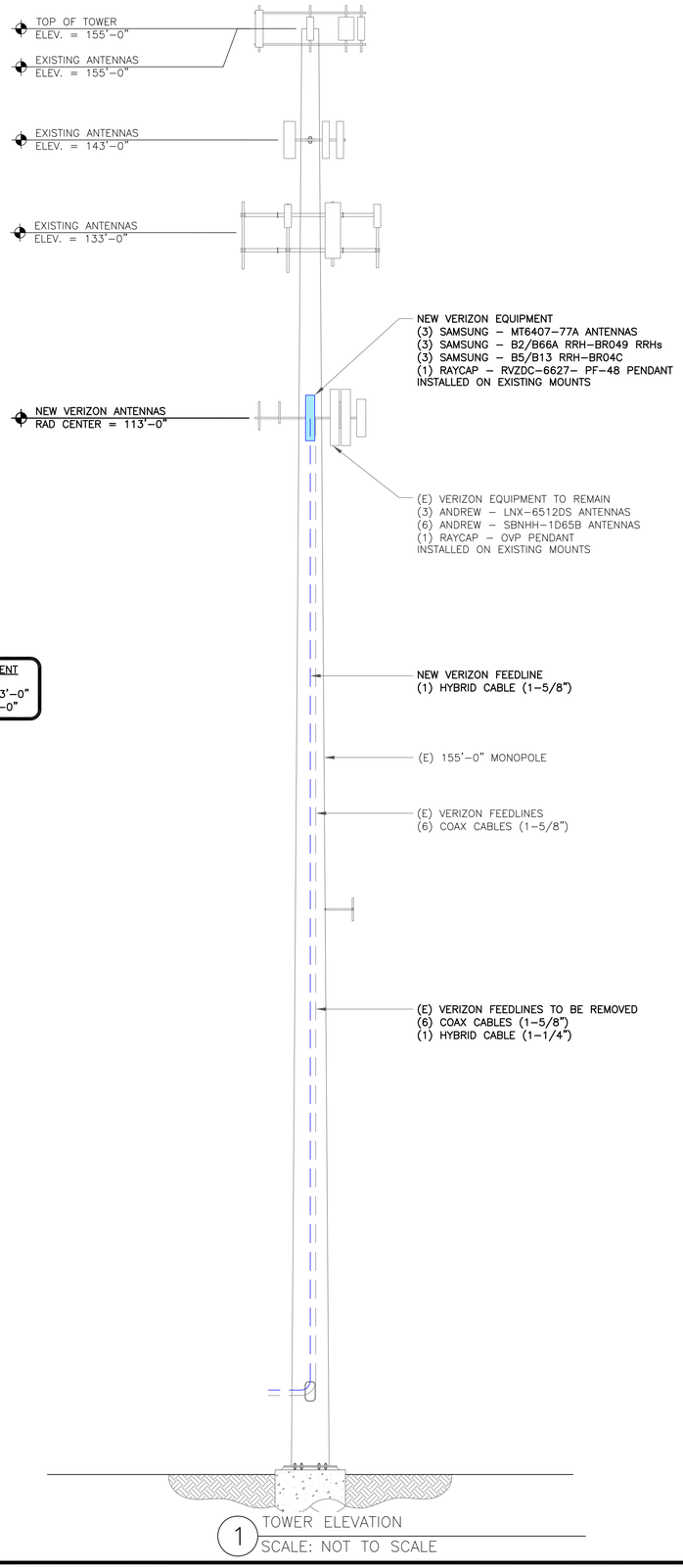
STATE OF CONNECTICUT
MICHAEL T. JOHNSON
No. 23924
LICENSED PROFESSIONAL ENGINEER
6/16/21

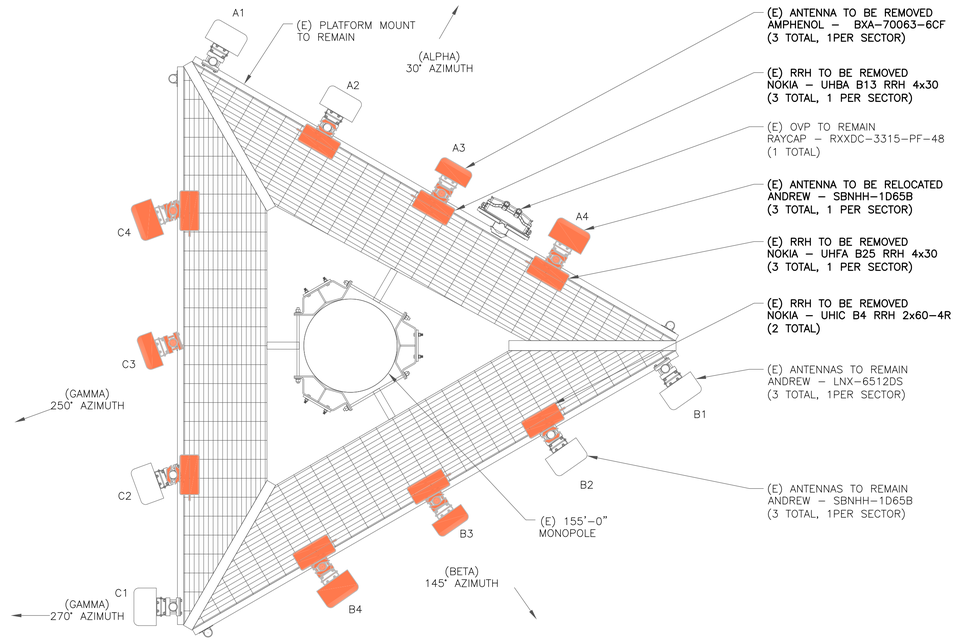
B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

SHEET NUMBER: C-1

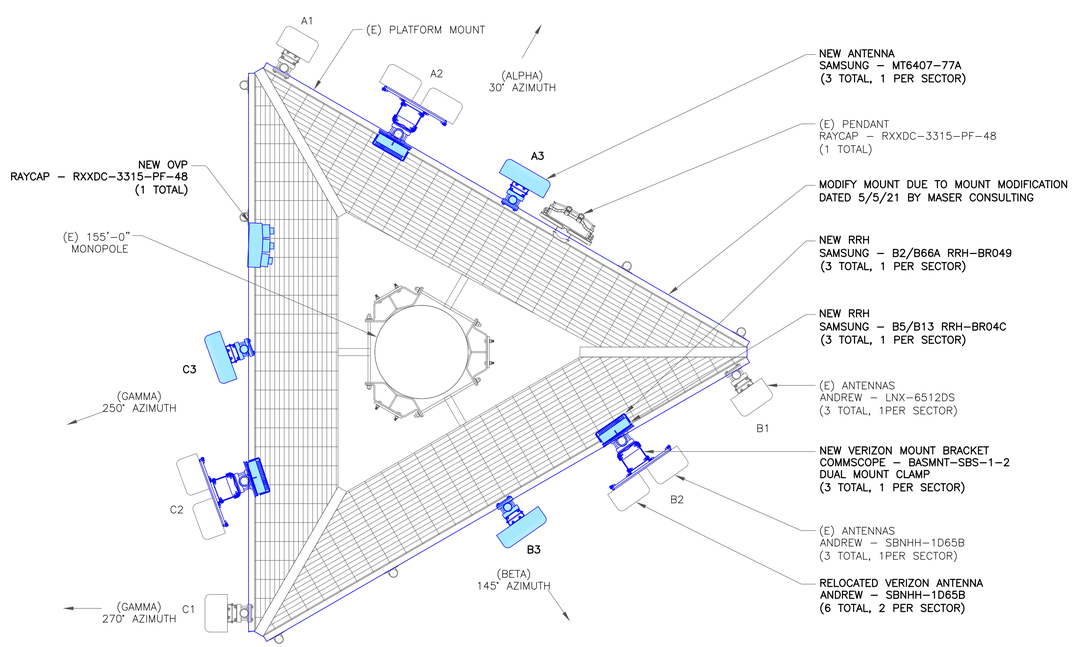
REVISION: 0



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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SHEET NUMBER: C-2

REVISION: 0

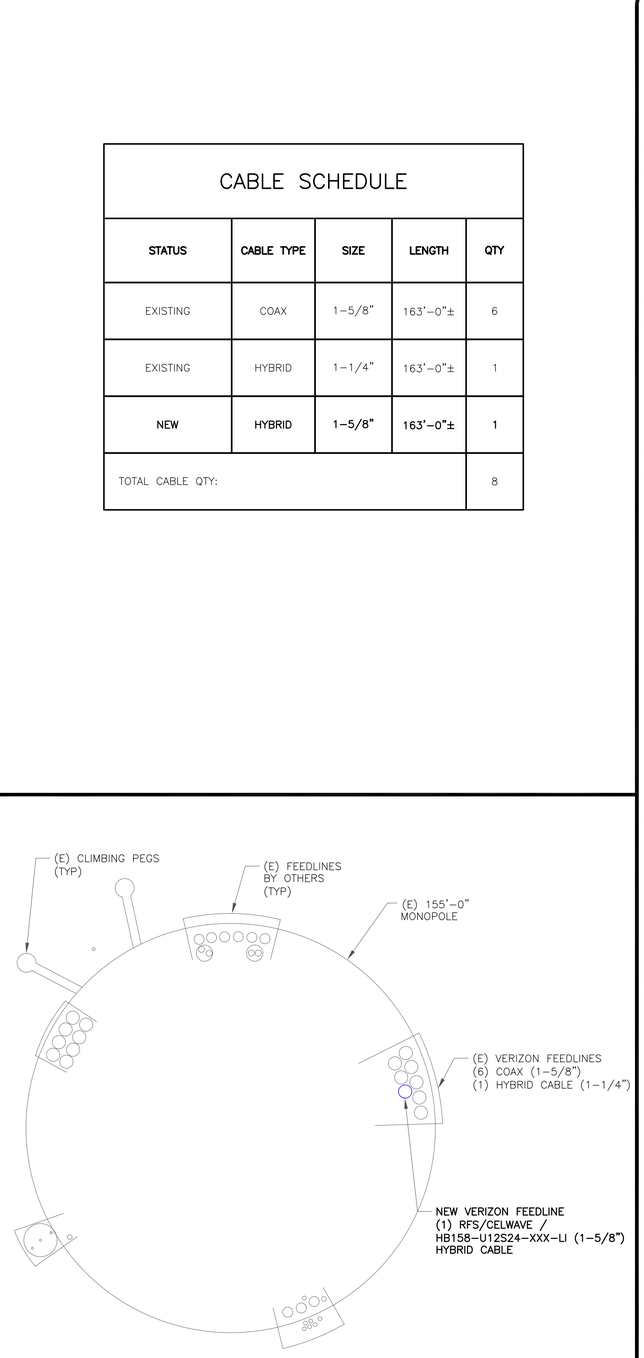
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	ANDREW	LNX-6512DS	113'-0"	30°	0°	0°	–	–
A2L	EXISTING	ANDREW	SBNHH-1D65B	113'-0"	30°	0°	7°/3°/3°/7°	SAMSUNG	(1) B2/B66A RRH-BR049
A2R	EXISTING	ANDREW	SBNHH-1D65B	113'-0"	30°	0°	7°/3°/3°/7°	SAMSUNG	(1) B5/B13 RRH-BR04C
A3	**NEW**	**SAMSUNG**	**MT6407-77A**	**113'-0"**	**30°**	0°	**3°**	–	–
B1	EXISTING	ANDREW	LNX-6512DS	113'-0"	145°	0°	0°	–	–
B2L	EXISTING	ANDREW	SBNHH-1D65B	113'-0"	145°	0°	6°/2°/2°/6°	SAMSUNG	(1) B2/B66A RRH-BR049
B2R	EXISTING	ANDREW	SBNHH-1D65B	113'-0"	145°	0°	6°/2°/2°/6°	SAMSUNG	(1) B5/B13 RRH-BR04C
B3	**NEW**	**SAMSUNG**	**MT6407-77A**	**113'-0"**	145°	0°	**3°**	–	–
C1	EXISTING	ANDREW	LNX-6512DS	113'-0"	270°	0°	0°	–	–
C2L	EXISTING	ANDREW	SBNHH-1D65B	113'-0"	250°	0°	8°/4°/3°/8°	SAMSUNG	(1) B2/B66A RRH-BR049
C2R	EXISTING	ANDREW	SBNHH-1D65B	113'-0"	250°	0°	8°/4°/3°/8°	SAMSUNG	(1) B5/B13 RRH-BR04C
C3	**NEW**	**SAMSUNG**	**MT6407-77A**	**113'-0"**	250°	0°	**3°**	–	–

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	163'-0"±	6
EXISTING	HYBRID	1-1/4"	163'-0"±	1
NEW	**HYBRID**	**1-5/8"**	**163'-0"±**	1
TOTAL CABLE QTY:				8



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

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VERIZON SITE NUMBER:
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BU #: **876347**
BUCKLAND MALL

53 SLATER STREET
MANCHESTER, CT 06040

EXISTING 155'-0" MONOPOLE

ISSUED FOR:

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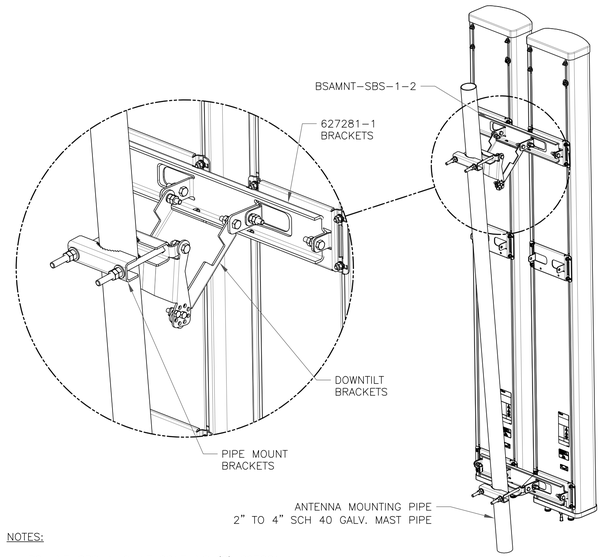
0	6/16/21	JJR	CONSTRUCTION	MTJ

STATE OF CONNECTICUT
GREGORY T. BARLOW
No. 23924
LICENSED
PROFESSIONAL ENGINEER
6/16/21

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

SHEET NUMBER: C-3
REVISION: 0

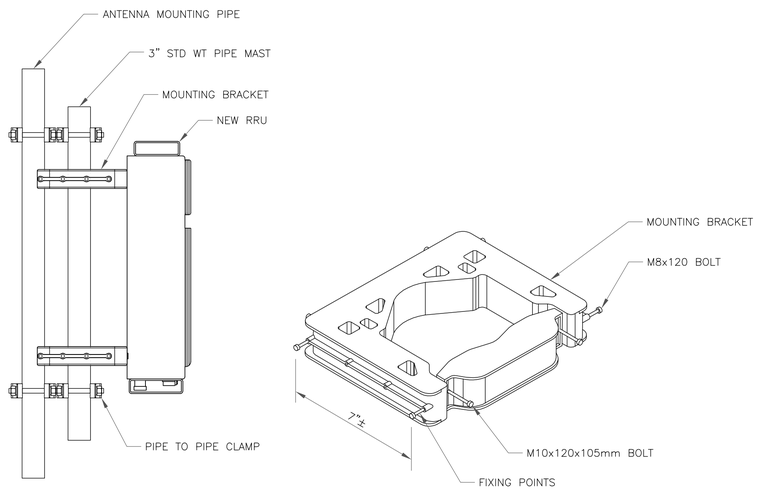


NOTES:

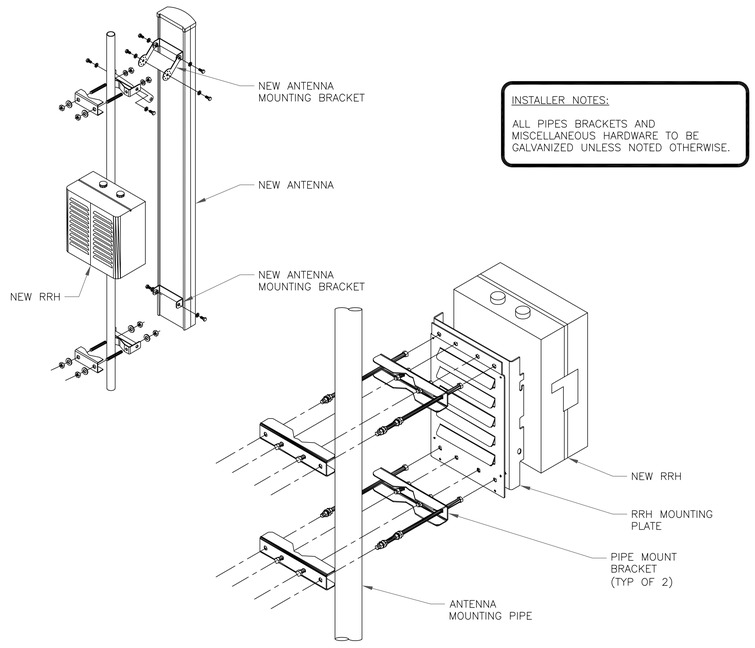
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

2 NOT USED
SCALE: NOT TO SCALE



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



INSTALLER NOTES:

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

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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STATE OF CONNECTICUT
MATTHEW T. JONES
No. 23924
LICENSED
PROFESSIONAL ENGINEER
6/16/21

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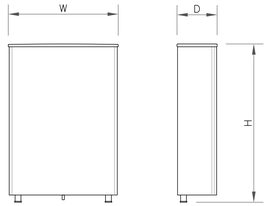
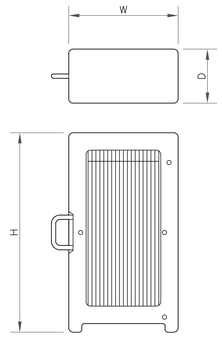
Expires 2/10/22

SHEET NUMBER: C-4
REVISION: 0



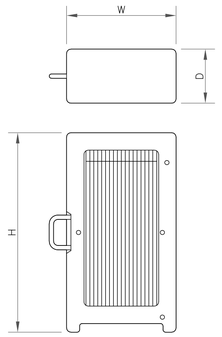
ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	MT6407-77A
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.12"
WEIGHT	87.10 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



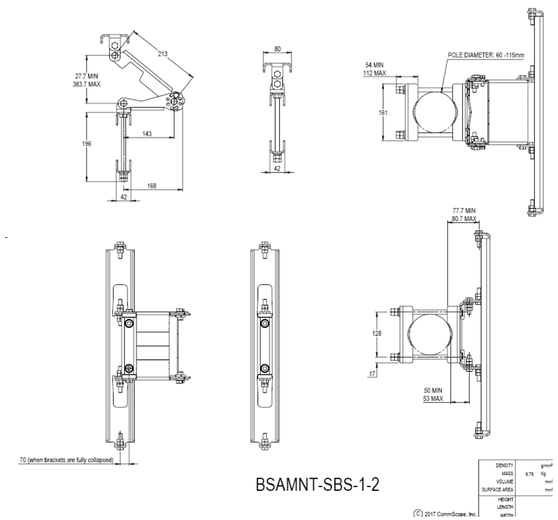
RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RFV01U-D1A
WIDTH	15"
DEPTH	10.0"
HEIGHT	15"
WEIGHT	84.4 LBS

2 RRU SPECS
SCALE: NOT TO SCALE

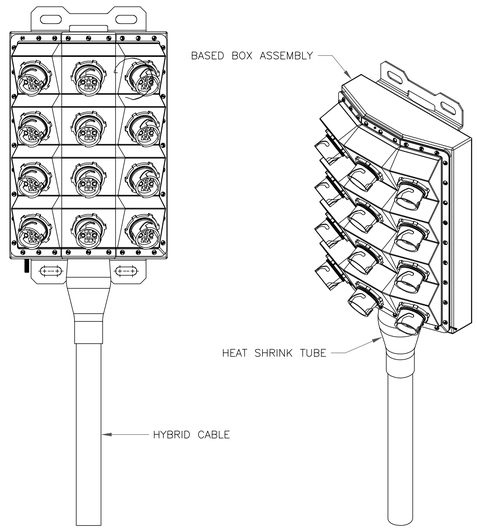


RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RFV01U-D2A
WIDTH	15"
DEPTH	8.10"
HEIGHT	15"
WEIGHT	70.30 LBS

3 RRU SPECS
SCALE: NOT TO SCALE



4 BSAMNT-SBS-1-2
SCALE: NOT TO SCALE



5 PENDANT DETAIL
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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BU #: **876347**
BUCKLAND MALL

53 SLATER STREET
MANCHESTER, CT 06040

EXISTING 155'-0" MONOPOLE

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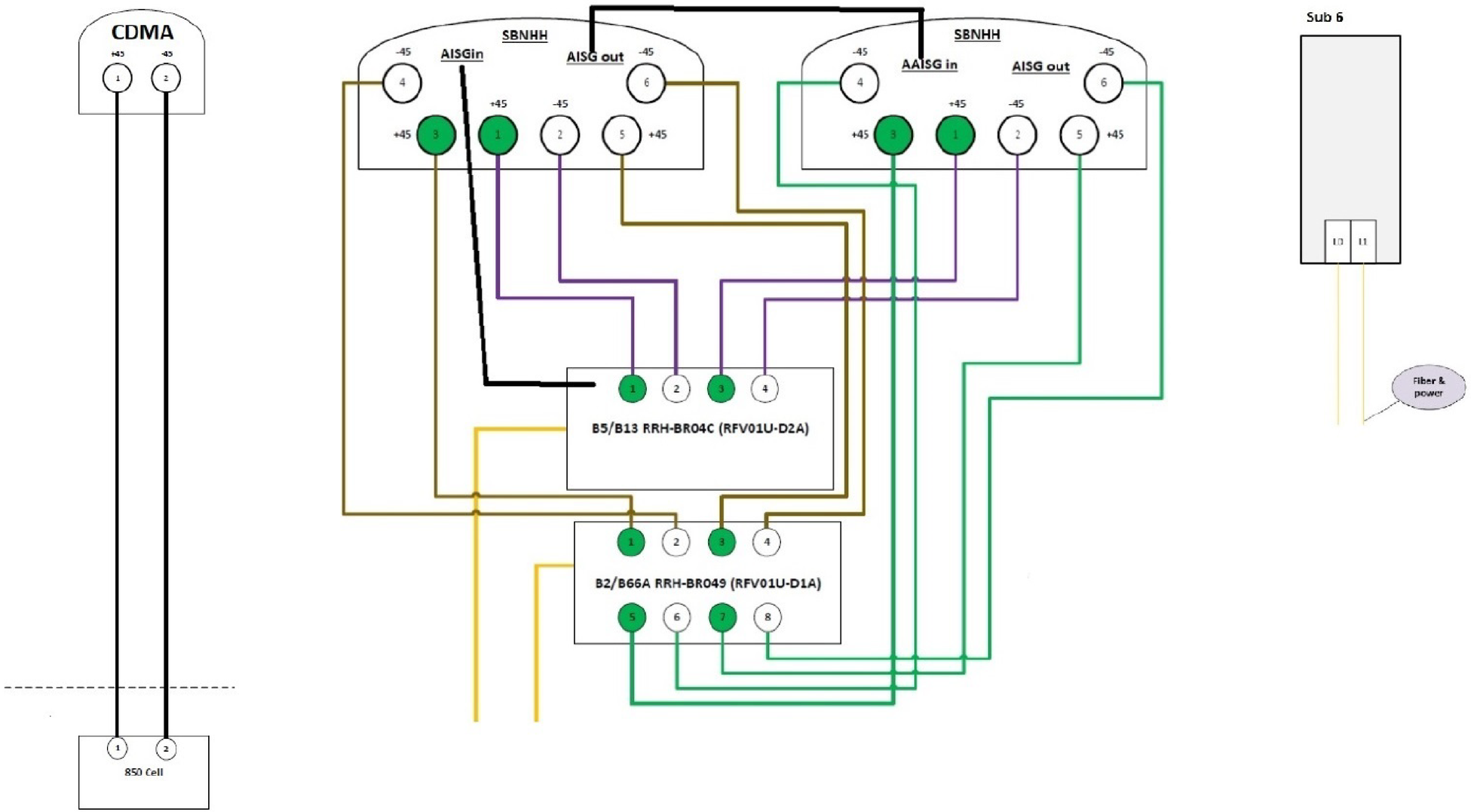
SHEET NUMBER: C-5

REVISION: 0



1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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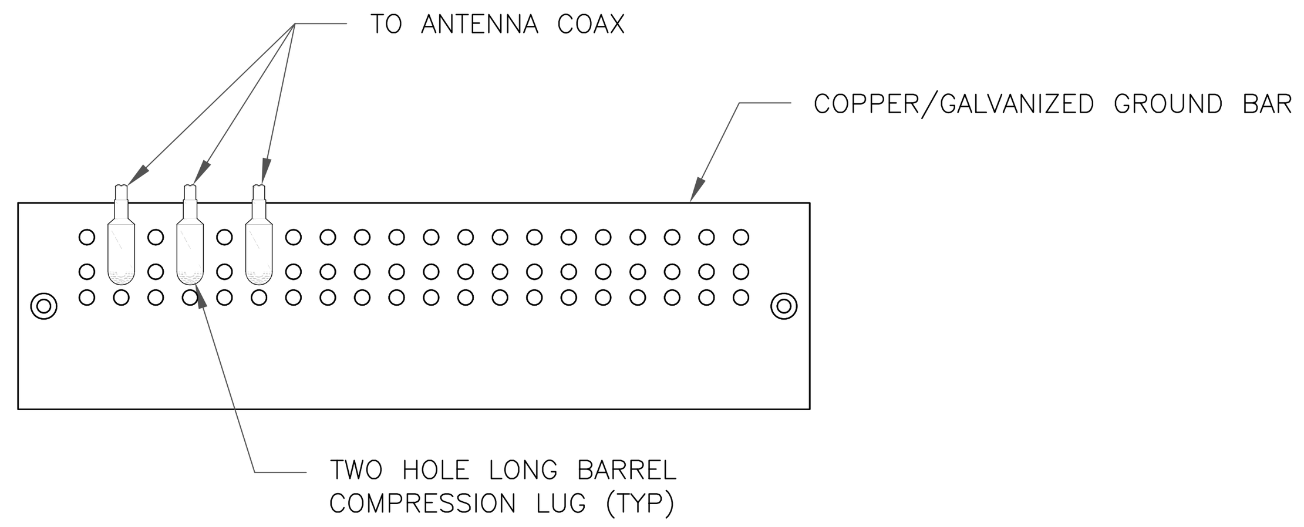
Expires 2/10/22

SHEET NUMBER: C-6

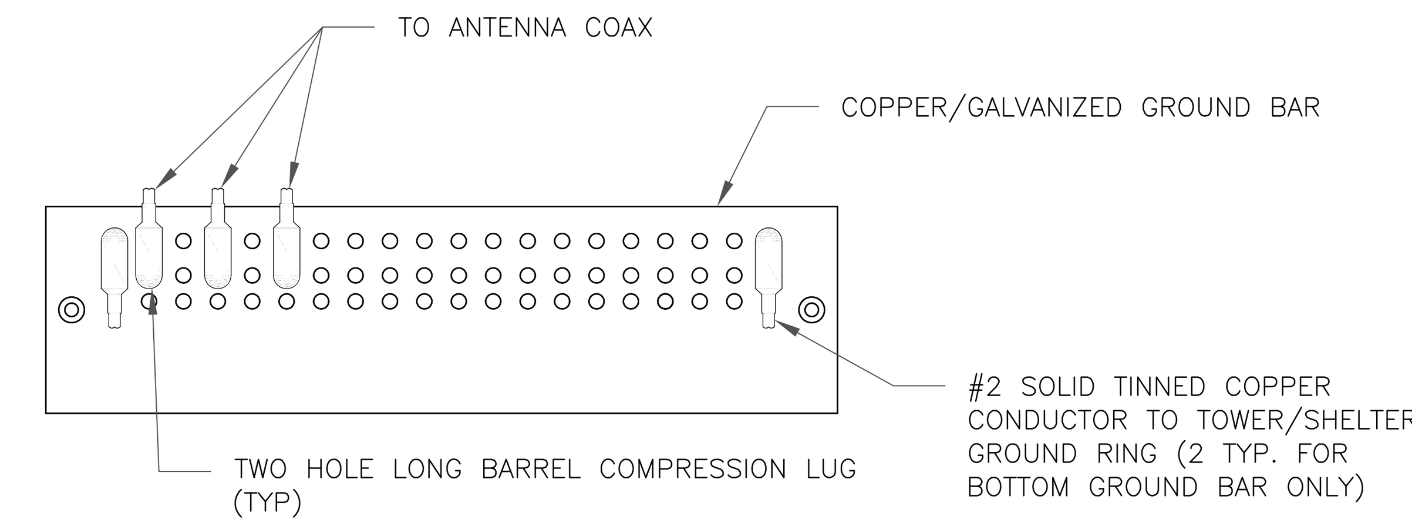
REVISION: 0



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.

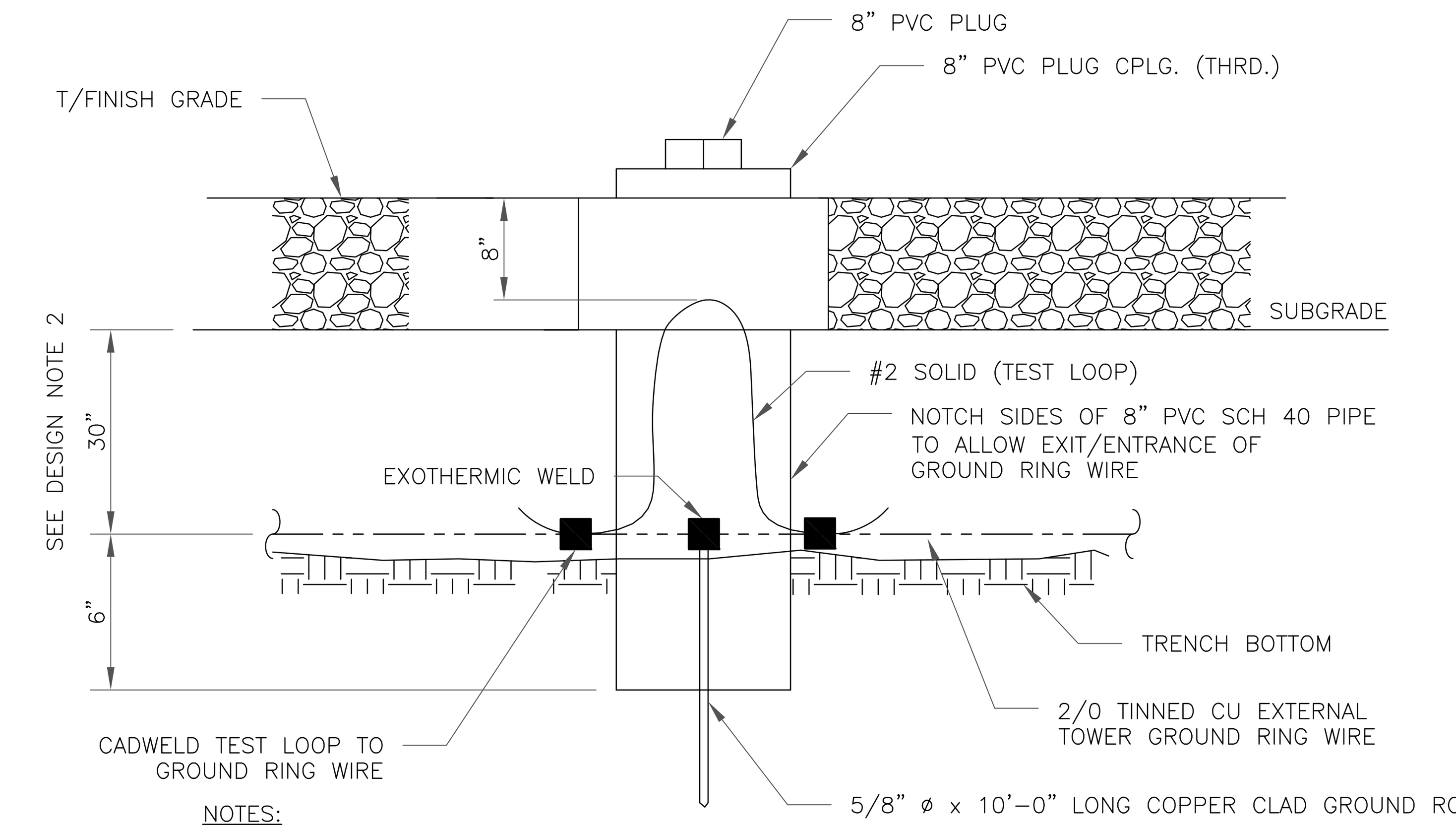
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



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.

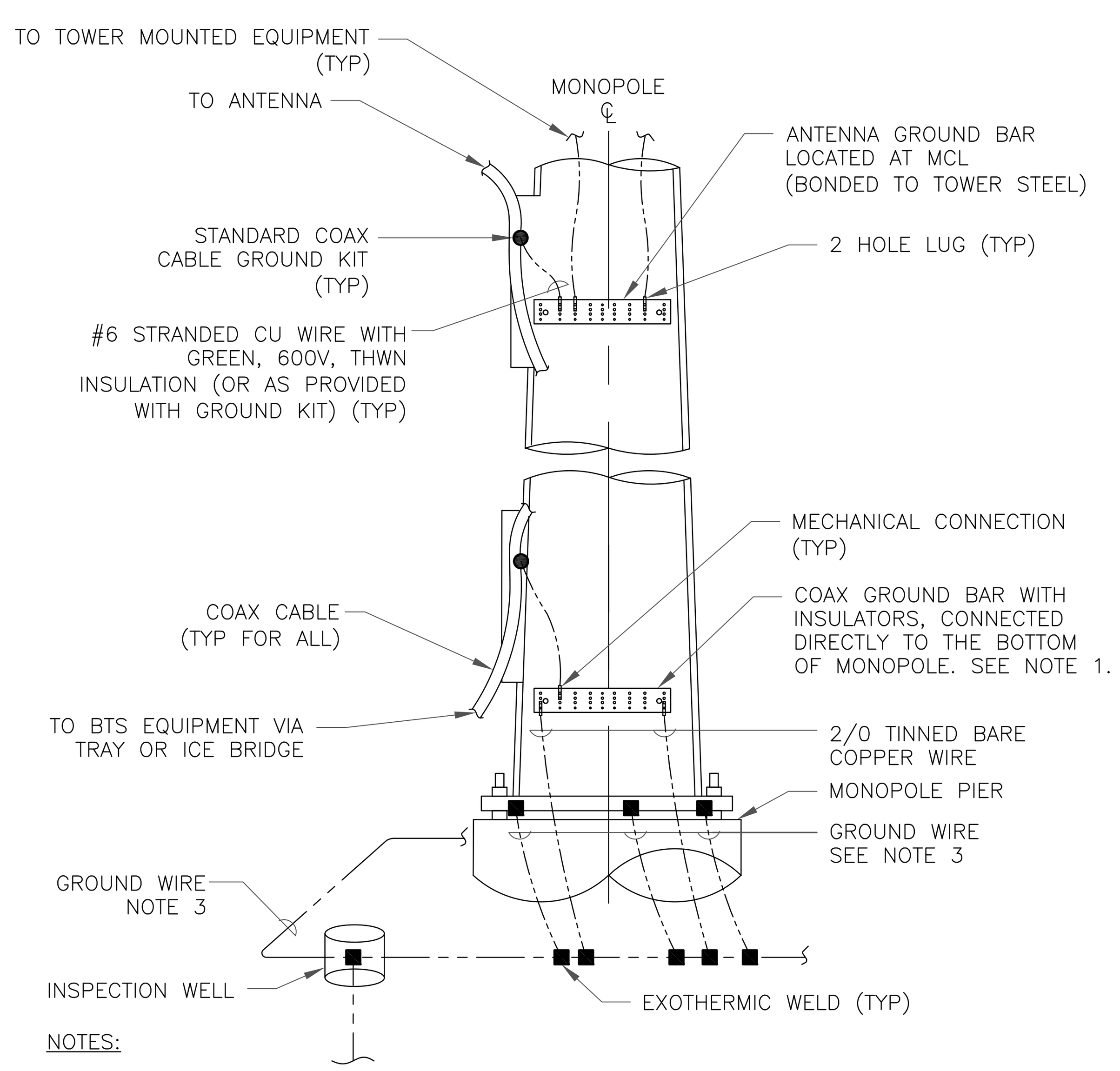
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



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)

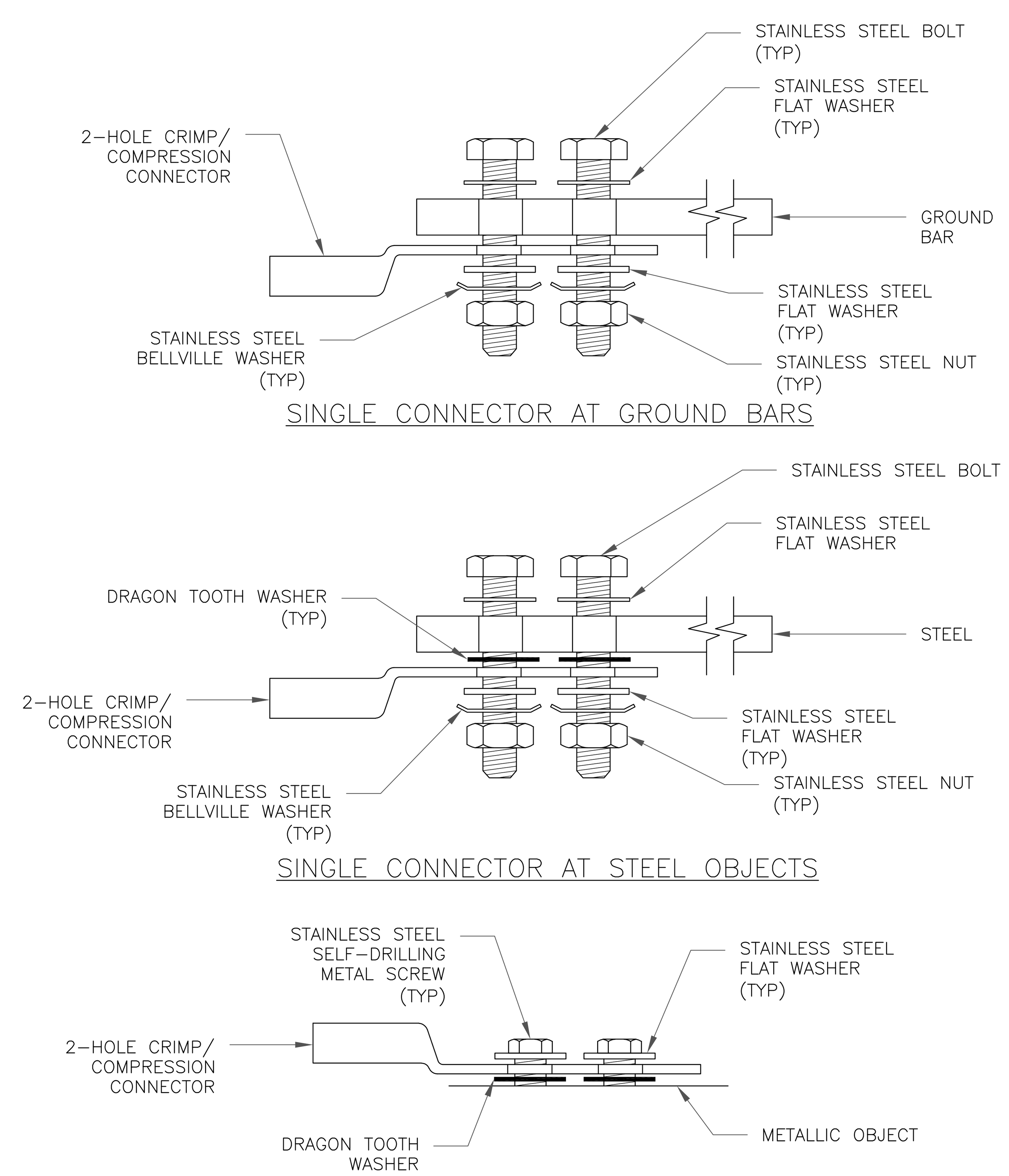
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



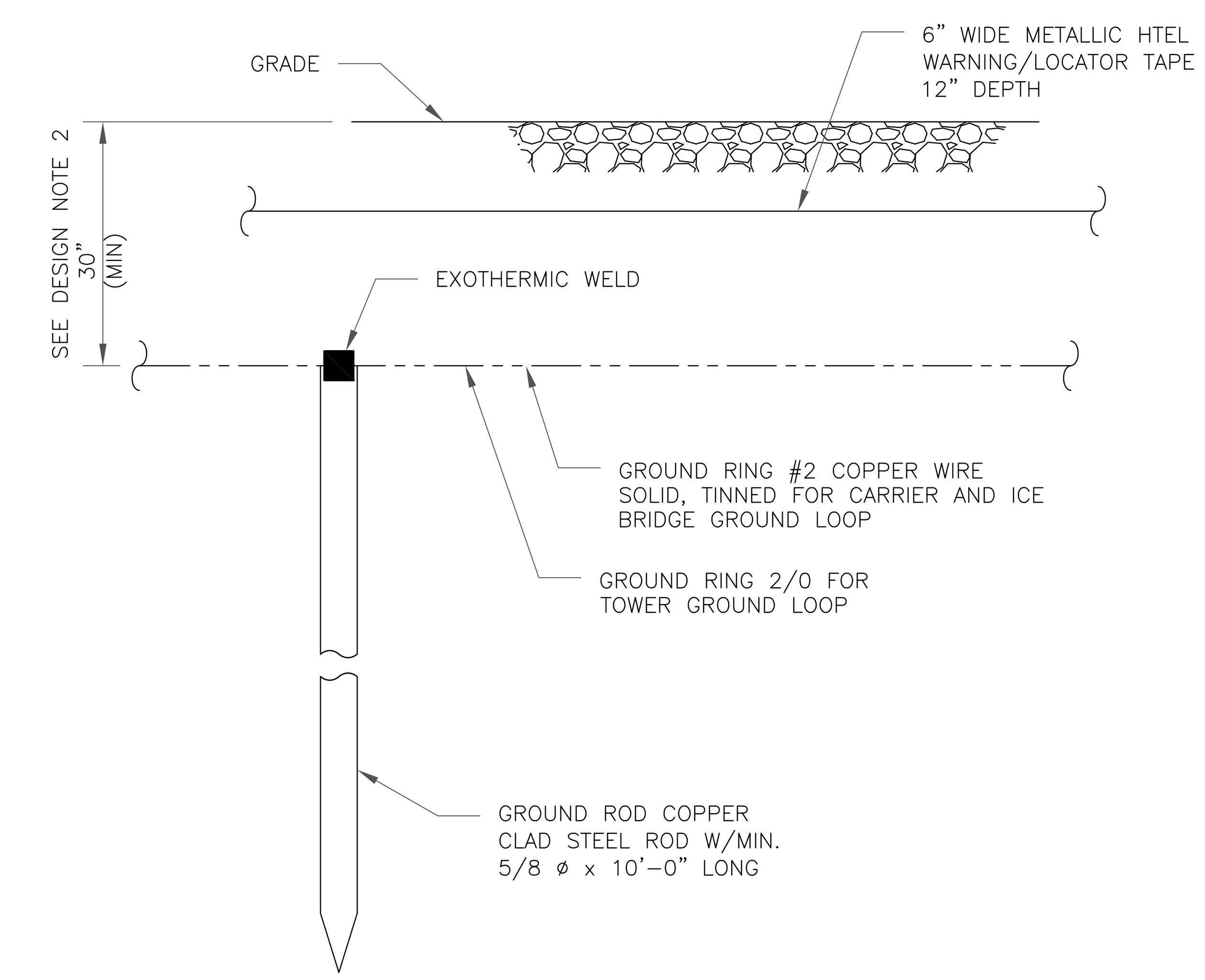
NOTES:

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



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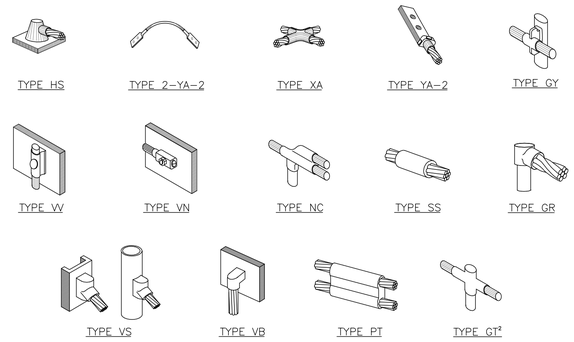
B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

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: **G-1**
REVISION: **0**

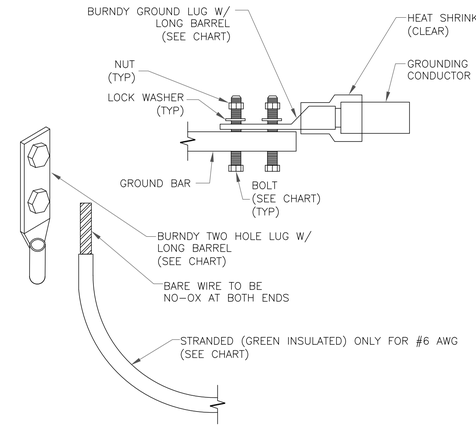


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

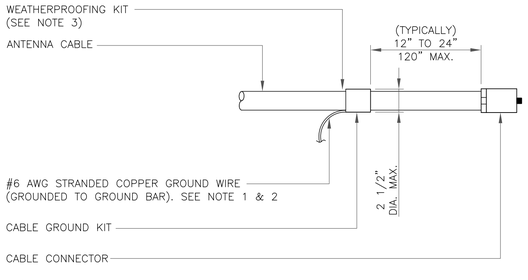
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

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

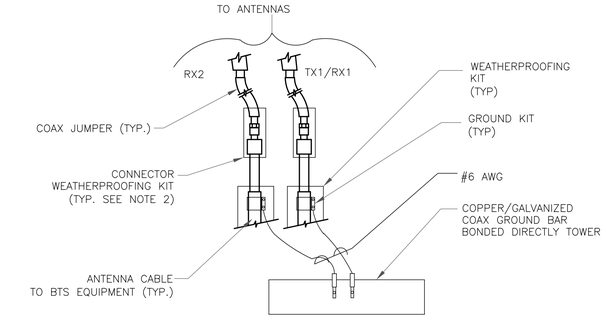
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

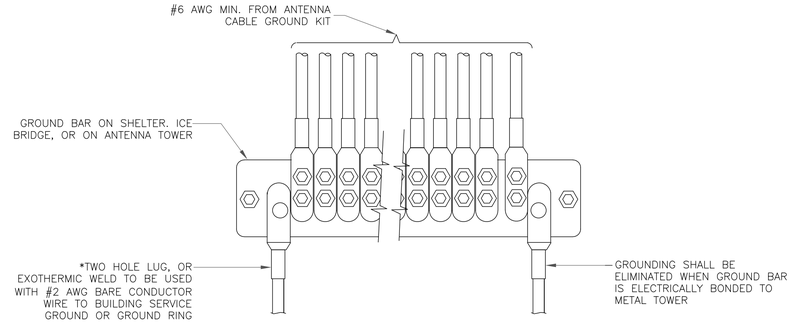
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



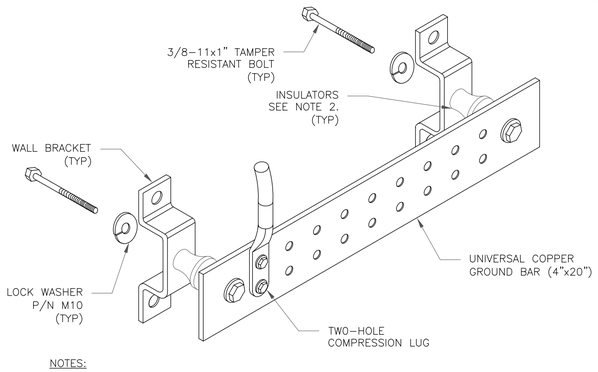
NOTES:

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

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



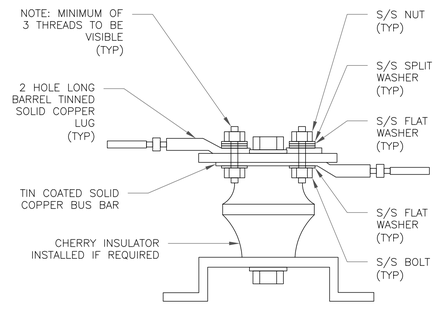
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



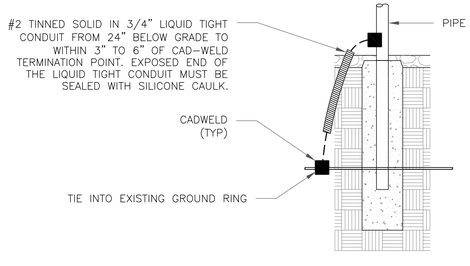
NOTES:

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

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
468759

BU #: **876347**
BUCKLAND MALL

53 SLATER STREET
MANCHESTER, CT 06040

EXISTING 155'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	4/15/21	LHT	PRELIMINARY REVIEW	MTJ
0	6/16/21	JJR	CONSTRUCTION	MTJ

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

SHEET NUMBER: G-2
REVISION: 0

Exhibit D

Structural Analysis Report

Date: **April 10, 2021**

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

Subject: Structural Analysis Report

Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	468759
	Site Name:	Buckland CT
Crown Castle Designation:	**BU Number:**	876347
	Site Name:	Buckland Mall
	JDE Job Number:	644642
	Work Order Number:	1946813
	Order Number:	552625 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	25697.529738
Site Data:	**53 Slater Street, Manchester, Hartford County, CT 06040** **Latitude *41° 48' 18.00"*, Longitude *-72° 32' 1.00"*** **155 Foot - Monopole Tower**	

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

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

LC5: Proposed Equipment Configuration **Sufficient Capacity - 75.6%**

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

Structural analysis prepared by: Andrew Samson, E.I. / AAS

Respectfully submitted by:

Aaron T. Rucker, P.E.

Electronic Copy

04/11/2021

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 155-ft monopole tower designed by Summit.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 mph
Exposure Category:	C
Topographic Factor:	1.0
Ice Thickness:	2.0 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)
113.0	113.0	3	Andrew	LNX-6512DS-T0M w/ Mount Pipe	8	1-5/8
		6	Commscope	SBNHH-1D65B w/ Mount Pipe		
		3	VZW	Sub6 Antenna - VZS01 w/ Mount Pipe		
		1	Raycap	RVZDC-6627-PF-48		
		1	RFS Celwave	DB-T1-6Z-8AB-0Z		
		3	Samsung Telecom.	RFV01U-D1A		
		3	Samsung Telecom.	RFV01U-D2A		
		1	Tower Mounts	Platform Mount [LP 1201-1]		

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)
155.0	155.0	3	RFS Celwave	APXVTM14-C-120 w/ Mount Pipe	3 2 5 3	1-1/4 5/8 1/2 5/16
		3	RFS Celwave	APXVSPP18-C-A20 w/ Mount Pipe		
		3	Argus Technologies	LPX310R w/ Mount Pipe		
		3	Alcatel Lucent	TD-RRH8X20-25		
		3	Samsung Telecom.	WIMAX DAP HEAD		
		1	Tower Mounts	Miscellaneous [NA 510-1]		
		1	Tower Mounts	Platform Mount [LP 1201-1]		
	151.0	1	Andrew	VHLP1-23		
		1	Andrew	VHLP2.5-18		
		1	Andrew	VHLP2-11		
		3	Dragonwave	Horizon Compact		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
153.0	153.0	3	Alcatel Lucent	800MHz 2X50W RRH W/Filter	-	-
		3	Alcatel Lucent	PCS 1900MHz 4x45W-65MHz		
		1	Tower Mounts	Pipe Mount [PM 601-3]		
		1	Tower Mounts	Side Arm Mount [SO 104-3]		
143.0	145.0	3	CCI Antennas	OPA-65R-LCUU-H6 w/ Mount Pipe	6 4 1	1-1/4 3/4 3/8
		3	Kathrein	80010965 w/ Mount Pipe		
		6	CCI Antennas	TPX-070821		
		3	Kathrein	782 10253		
		3	Ericsson	RRUS 32		
		3	Ericsson	RRUS 8843 B2/B66A		
		3	Raycap	DC6-48-60-18-8F		
		3	Ericsson	RRUS 4449 B5/B12		
	143.0	3	Quintel Technology	QS66512-2 w/ Mount Pipe		
		1	Tower Mounts	T-Arm Mount [TA 601-3]		
133.0	133.0	3	Ericsson	AIR -32 B2A/B66AA	7 1	1-5/8 1-3/8
		3	RFS Celwave	APXVAARR24_43-U-NA20		
		3	Ericsson	Air 21 B4A B12P-B8P 6FT		
		3	Ericsson	Radio 4449 B12/B71		
		1	Tower Mounts	Platform Mount [LP 302-1]		
60.0	60.0	1	Tower Mounts	Side Arm Mount [SO 701-1]	-	-

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Geotechnical Report	1533476	CCISites
Tower Foundation Drawings	1615406	CCISites
Tower Manufacturer Drawings	2068033	CCISites

3.1) Analysis Method

tnxTower (version 8.0.7.5), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 Standard.

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (k)	ϕP_{allow} (k)	% Capacity	Pass / Fail
L1	155 - 115.5	Pole	TP29.308x22x0.25	1	-14.10	1276.15	50.2	Pass
L2	115.5 - 79.25	Pole	TP35.514x28.114x0.313	2	-24.93	2093.96	71.5	Pass
L3	79.25 - 43.75	Pole	TP41.456x34.057x0.375	3	-34.51	2932.47	75.6	Pass
L4	43.75 - 0	Pole	TP48.8x39.735x0.438	4	-51.66	4125.15	75.4	Pass
							Summary	
						Pole (L3)	75.6	Pass
						Rating =	**75.6**	**Pass**

Table 5 - Tower Component Stresses vs. Capacity - LC5

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	-	71.6	Pass
1,2	Base Plate	-	58.2	Pass
1,2	Base Foundation Soil Interaction	-	47.8	Pass
1,2	Base Foundation Structural	-	49.6	Pass

Structure Rating (max from all components) =	**75.6%**

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

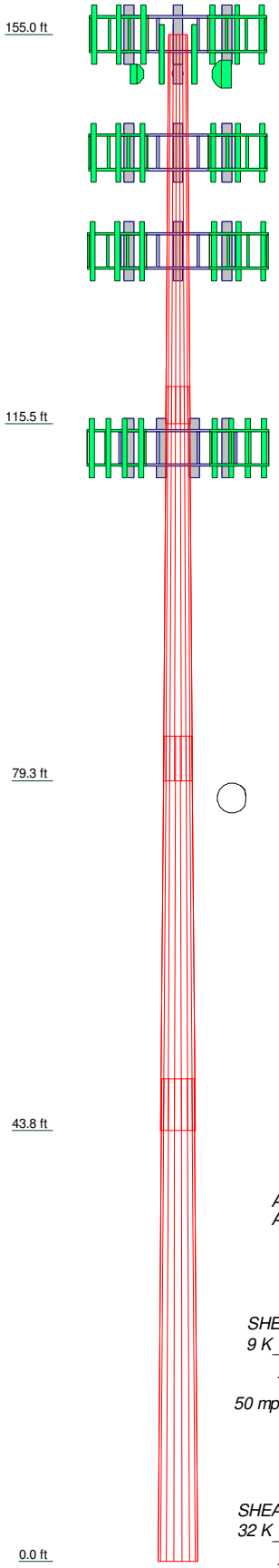
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	39.50	18	0.250	3.75	22.000	29.308	A607-60	2.7
2	40.00	18	0.313	4.50	28.114	35.514	A607-60	4.3
3	40.00	18	0.375	5.25	34.057	41.456	A607-65	6.1
4	49.00	18	0.438		39.735	48.800	A607-65	10.1
								23.2



ALL REACTIONS ARE FACTORED

AXIAL 96 K

SHEAR 9 K

MOMENT 1090 kip-ft

TORQUE 0 kip-ft
50 mph WIND - 2.000 in ICE

AXIAL 52 K

SHEAR 32 K

MOMENT 3706 kip-ft

TORQUE 1 kip-ft
REACTIONS - 125 mph WIND

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A607-60	60 ksi	75 ksi	A607-65	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 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 2.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 75.6%

Tower Engineering Professionals

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

Job:	***Buckland Mall (BU 876347)***		
Project:	***TEP No. 25697.529738***		
Client: Crown Castle	Drawn by: AAS	App'd:	
Code: TIA-222-H	Date: 04/10/21	Scale: NTS	
Path:		Dwg No. E-1	

Tower Input Data

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

Tower is located in Hartford County, Connecticut.
Tower base elevation above sea level: 196.00 ft.
Basic wind speed of 125 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 2.000 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.05.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
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	155.00-115.50	39.50	3.750	18	22.000	29.308	0.250	1.000	A607-60 (60 ksi)
L2	115.50-79.25	40.00	4.500	18	28.114	35.514	0.313	1.250	A607-65 (65 ksi)
L3	79.25-43.75	40.00	5.250	18	34.057	41.456	0.375	1.500	A607-65 (65 ksi)
L4	43.75-0.00	49.00		18	39.735	48.800	0.438	1.750	A607-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	22.301	17.259	1031.483	7.721	11.176	92.294	2064.324	8.631	3.432	13.728
	29.722	23.058	2459.697	10.316	14.888	165.208	4922.630	11.531	4.718	18.873
L2	29.204	27.576	2692.828	9.870	14.282	188.547	5389.199	13.791	4.398	14.074
	36.014	34.915	5466.104	12.497	18.041	302.980	10939.401	17.461	5.700	18.241
L3	35.369	40.089	5745.804	11.957	17.301	332.114	11499.168	20.049	5.334	14.224
	42.038	48.897	10425.542	14.584	21.060	495.048	20864.803	24.453	6.636	17.697
L4	41.267	54.569	10646.606	13.951	20.185	527.444	21307.221	27.290	6.223	14.225
	49.485	67.157	19844.888	17.169	24.790	800.507	39715.889	33.585	7.819	17.872

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 155.00-115.50				1	1	1			
L2 115.50-79.25				1	1	1			
L3 79.25-43.75				1	1	1			
L4 43.75-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
***										
Safety Line 3/8	A	No	Surface Ar (CaAa)	155.00 - 0.00	1	1	0.000 0.000	0.375		0.220
155										
2" Rigid Conduit	C	No	Surface Ar (CaAa)	155.00 - 0.00	2	2	0.250 0.250	2.000		2.800
FSJ4-50B(1/2)	C	No	Surface Ar (CaAa)	155.00 - 0.00	5	2	0.000 0.000	0.530		0.140
***										
***										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
ATCB-B01-005(5/16)	C	No	No	Inside Pole	155.00 - 0.00	3	No Ice	0.00	0.075
							1/2" Ice	0.00	0.075
							1" Ice	0.00	0.075
							2" Ice	0.00	0.075
9776(5/8)	C	No	No	Inside Pole	155.00 - 0.00	1	No Ice	0.00	0.275
							1/2" Ice	0.00	0.275
							1" Ice	0.00	0.275
							2" Ice	0.00	0.275
HB058-M12-XXXF(5/8)	C	No	No	Inside Pole	155.00 - 0.00	1	No Ice	0.00	0.242
							1/2" Ice	0.00	0.242
							1" Ice	0.00	0.242
							2" Ice	0.00	0.242
HB114-1-08U4-M5J(1-1/4)	C	No	No	Inside Pole	155.00 - 0.00	3	No Ice	0.00	1.080
							1/2" Ice	0.00	1.080
							1" Ice	0.00	1.080
							2" Ice	0.00	1.080
143									
LDF6-50A(1-1/4)	A	No	No	Inside Pole	143.00 - 0.00	6	No Ice	0.00	0.600
							1/2" Ice	0.00	0.600
							1" Ice	0.00	0.600
							2" Ice	0.00	0.600
FB-L98B-002-75000(3/8)	A	No	No	Inside Pole	143.00 - 0.00	1	No Ice	0.00	0.059
							1/2" Ice	0.00	0.059
							1" Ice	0.00	0.059
							2" Ice	0.00	0.059
WR-VG86ST-BRD(3/4)	A	No	No	Inside Pole	143.00 - 0.00	4	No Ice	0.00	0.584
							1/2" Ice	0.00	0.584
							1" Ice	0.00	0.584
							2" Ice	0.00	0.584
2" Rigid Conduit	A	No	No	Inside Pole	143.00 - 0.00	2	No Ice	0.00	2.800
							1/2" Ice	0.00	2.800
							1" Ice	0.00	2.800
							2" Ice	0.00	2.800
133									
HCS 6X12 6AWG(1-3/8)	A	No	No	Inside Pole	133.00 - 0.00	1	No Ice	0.00	1.700
							1/2" Ice	0.00	1.700
							1" Ice	0.00	1.700
							2" Ice	0.00	1.700
HCS 6X12 4AWG(1-5/8)	A	No	No	Inside Pole	133.00 - 0.00	1	No Ice	0.00	2.400
							1/2" Ice	0.00	2.400
							1" Ice	0.00	2.400
							2" Ice	0.00	2.400
LCF158-50JA-A0(1-5/8)	A	No	No	Inside Pole	133.00 - 0.00	6	No Ice	0.00	0.800
							1/2" Ice	0.00	0.800
							1" Ice	0.00	0.800
							2" Ice	0.00	0.800
113									
561(1-5/8)	B	No	No	Inside Pole	113.00 - 0.00	6	No Ice	0.00	1.350
							1/2" Ice	0.00	1.350
							1" Ice	0.00	1.350
							2" Ice	0.00	1.350
HB158-U12S24-XXX-LI(1-5/8)	B	No	No	Inside Pole	113.00 - 0.00	2	No Ice	0.00	3.200
							1/2" Ice	0.00	3.200
							1" Ice	0.00	3.200

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
							2" Ice	0.00	3.200
***									
***									

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	155.00-115.50	A	0.000	0.000	1.481	0.000	0.48
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	19.987	0.000	0.41
L2	115.50-79.25	A	0.000	0.000	1.359	0.000	0.75
		B	0.000	0.000	0.000	0.000	0.49
		C	0.000	0.000	18.343	0.000	0.37
L3	79.25-43.75	A	0.000	0.000	1.331	0.000	0.74
		B	0.000	0.000	0.000	0.000	0.51
		C	0.000	0.000	17.963	0.000	0.37
L4	43.75-0.00	A	0.000	0.000	1.641	0.000	0.91
		B	0.000	0.000	0.000	0.000	0.63
		C	0.000	0.000	22.137	0.000	0.45

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	155.00-115.50	A	1.956	0.000	0.000	16.937	0.000	0.70
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	63.623	0.000	1.24
L2	115.50-79.25	A	1.893	0.000	0.000	15.543	0.000	0.95
		B		0.000	0.000	0.000	0.000	0.49
		C		0.000	0.000	58.388	0.000	1.14
L3	79.25-43.75	A	1.808	0.000	0.000	14.774	0.000	0.92
		B		0.000	0.000	0.000	0.000	0.51
		C		0.000	0.000	56.061	0.000	1.08
L4	43.75-0.00	A	1.633	0.000	0.000	17.465	0.000	1.12
		B		0.000	0.000	0.000	0.000	0.63
		C		0.000	0.000	67.233	0.000	1.27

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	155.00-115.50	-1.500	2.818	-1.845	2.770
L2	115.50-79.25	-1.561	2.928	-2.078	3.102

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L3	79.25-43.75	-1.602	3.004	-2.232	3.333
L4	43.75-0.00	-1.637	3.066	-2.360	3.531

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	2	Safety Line 3/8	115.50 - 155.00	1.0000	1.0000
L1	4	2" Rigid Conduit	115.50 - 155.00	1.0000	1.0000
L1	6	FSJ4-50B(1/2)	115.50 - 155.00	1.0000	1.0000
L2	2	Safety Line 3/8	79.25 - 115.50	1.0000	1.0000
L2	4	2" Rigid Conduit	79.25 - 115.50	1.0000	1.0000
L2	6	FSJ4-50B(1/2)	79.25 - 115.50	1.0000	1.0000
L3	2	Safety Line 3/8	43.75 - 79.25	1.0000	1.0000
L3	4	2" Rigid Conduit	43.75 - 79.25	1.0000	1.0000
L3	6	FSJ4-50B(1/2)	43.75 - 79.25	1.0000	1.0000
L4	2	Safety Line 3/8	0.00 - 43.75	1.0000	1.0000
L4	4	2" Rigid Conduit	0.00 - 43.75	1.0000	1.0000
L4	6	FSJ4-50B(1/2)	0.00 - 43.75	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
155									
APXVTM14-C-120 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
APXVTM14-C-120 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
APXVTM14-C-120 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
APXVSPP18-C-A20 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXVSPP18-C-A20 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXVSPP18-C-A20 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
LPX310R w/ Mount Pipe	A	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.31 2.64 2.97 3.65	2.34 2.87 3.41 4.56	0.03 0.05 0.08 0.16
LPX310R w/ Mount Pipe	B	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.31 2.64 2.97 3.65	2.34 2.87 3.41 4.56	0.03 0.05 0.08 0.16
LPX310R w/ Mount Pipe	C	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.31 2.64 2.97 3.65	2.34 2.87 3.41 4.56	0.03 0.05 0.08 0.16
TD-RRH8X20-25	A	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	0.07 0.09 0.12 0.18
TD-RRH8X20-25	B	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	0.07 0.09 0.12 0.18
TD-RRH8X20-25	C	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	0.07 0.09 0.12 0.18
WIMAX DAP HEAD	A	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.55 1.70 1.87 2.22	0.68 0.80 0.92 1.19	0.03 0.04 0.06 0.09
WIMAX DAP HEAD	B	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.55 1.70 1.87 2.22	0.68 0.80 0.92 1.19	0.03 0.04 0.06 0.09
WIMAX DAP HEAD	C	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.55 1.70 1.87 2.22	0.68 0.80 0.92 1.19	0.03 0.04 0.06 0.09
HORIZON COMPACT	A	From Centroid-Leg	4.00 0.000 -4.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.72 0.83 0.94 1.19	0.37 0.45 0.54 0.74	0.01 0.02 0.03 0.05
HORIZON COMPACT	B	From Centroid-Leg	4.00 0.000 -4.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.72 0.83 0.94 1.19	0.37 0.45 0.54 0.74	0.01 0.02 0.03 0.05
HORIZON COMPACT	C	From	4.00	0.000	155.00	No Ice	0.72	0.37	0.01

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
		Centroid-Leg	0.000 -4.000			1/2" Ice 1" Ice 2" Ice	0.83 0.94 1.19	0.45 0.54 0.74	0.02 0.03 0.05
2.4" Dia x 4-ft Mount Pipe	A	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.87 1.12 1.37 1.91	0.87 1.12 1.37 1.91	0.01 0.02 0.03 0.06
2.4" Dia x 4-ft Mount Pipe	B	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.87 1.12 1.37 1.91	0.87 1.12 1.37 1.91	0.01 0.02 0.03 0.06
2.4" Dia x 4-ft Mount Pipe	C	From Centroid-Leg	4.00 0.000 0.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.87 1.12 1.37 1.91	0.87 1.12 1.37 1.91	0.01 0.02 0.03 0.06
Miscellaneous [NA 510-1]	C	None		0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.36 8.52 10.62 14.64	6.36 8.52 10.62 14.64	0.26 0.34 0.46 0.77
Platform Mount [LP 1201-1]	C	None		0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	18.38 22.11 25.87 33.47	18.38 22.11 25.87 33.47	2.10 2.65 3.26 4.66
153									
800MHz 2X50W RRH W/FILTER	A	From Leg	1.00 0.000 0.000	0.000	153.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.06 2.24 2.43 2.83	1.93 2.11 2.29 2.68	0.06 0.09 0.11 0.17
800MHz 2X50W RRH W/FILTER	B	From Leg	1.00 0.000 0.000	0.000	153.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.06 2.24 2.43 2.83	1.93 2.11 2.29 2.68	0.06 0.09 0.11 0.17
800MHz 2X50W RRH W/FILTER	C	From Leg	1.00 0.000 0.000	0.000	153.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.06 2.24 2.43 2.83	1.93 2.11 2.29 2.68	0.06 0.09 0.11 0.17
PCS 1900MHz 4x45W-65MHz	A	From Leg	1.00 0.000 0.000	0.000	153.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.31 2.52 2.73 3.17	2.23 2.43 2.64 3.08	0.06 0.08 0.11 0.17
PCS 1900MHz 4x45W-65MHz	B	From Leg	1.00 0.000 0.000	0.000	153.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.31 2.52 2.73 3.17	2.23 2.43 2.64 3.08	0.06 0.08 0.11 0.17
PCS 1900MHz 4x45W-65MHz	C	From Leg	1.00 0.000 0.000	0.000	153.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.31 2.52 2.73 3.17	2.23 2.43 2.64 3.08	0.06 0.08 0.11 0.17
Pipe Mount [PM 601-3]	C	None		0.000	153.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.17 3.79 4.42 5.76	3.17 3.79 4.42 5.76	0.20 0.23 0.28 0.40
Side Arm Mount [SO 104-3]	C	None		0.000	153.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.62 3.30 3.98 5.35	2.62 3.30 3.98 5.35	0.29 0.41 0.53 0.77
143									

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
OPA-65R-LCUU-H6 w/ Mount Pipe	A	From Leg	4.00 0.000 2.000	0.000	143.00	No Ice 1/2" Ice 1" Ice 2" Ice	9.19 9.94 10.71 12.30	6.21 6.93 7.66 9.17	0.11 0.18 0.26 0.45
OPA-65R-LCUU-H6 w/ Mount Pipe	B	From Leg	4.00 0.000 2.000	0.000	143.00	No Ice 1/2" Ice 1" Ice 2" Ice	9.19 9.94 10.71 12.30	6.21 6.93 7.66 9.17	0.11 0.18 0.26 0.45
OPA-65R-LCUU-H6 w/ Mount Pipe	C	From Leg	4.00 0.000 2.000	0.000	143.00	No Ice 1/2" Ice 1" Ice 2" Ice	9.19 9.94 10.71 12.30	6.21 6.93 7.66 9.17	0.11 0.18 0.26 0.45
80010965 w/ Mount Pipe	A	From Leg	4.00 0.000 2.000	0.000	143.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.26 13.03 13.80 15.41	5.79 6.47 7.17 8.60	0.14 0.23 0.33 0.57
80010965 w/ Mount Pipe	B	From Leg	4.00 0.000 2.000	0.000	143.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.26 13.03 13.80 15.41	5.79 6.47 7.17 8.60	0.14 0.23 0.33 0.57
80010965 w/ Mount Pipe	C	From Leg	4.00 0.000 2.000	0.000	143.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.26 13.03 13.80 15.41	5.79 6.47 7.17 8.60	0.14 0.23 0.33 0.57
QS66512-2 w/ Mount Pipe	A	From Leg	4.00 0.000 0.000	0.000	143.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.04 4.42 4.82 5.63	4.18 4.57 4.97 5.79	0.14 0.21 0.29 0.48
QS66512-2 w/ Mount Pipe	B	From Leg	4.00 0.000 0.000	0.000	143.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.04 4.42 4.82 5.63	4.18 4.57 4.97 5.79	0.14 0.21 0.29 0.48
QS66512-2 w/ Mount Pipe	C	From Leg	4.00 0.000 0.000	0.000	143.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.04 4.42 4.82 5.63	4.18 4.57 4.97 5.79	0.14 0.21 0.29 0.48
(2) TPX-070821	A	From Leg	4.00 0.000 2.000	0.000	143.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.47 0.56 0.66 0.87	0.10 0.15 0.20 0.33	0.01 0.01 0.02 0.03
(2) TPX-070821	B	From Leg	4.00 0.000 2.000	0.000	143.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.47 0.56 0.66 0.87	0.10 0.15 0.20 0.33	0.01 0.01 0.02 0.03
(2) TPX-070821	C	From Leg	4.00 0.000 2.000	0.000	143.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.47 0.56 0.66 0.87	0.10 0.15 0.20 0.33	0.01 0.01 0.02 0.03
782 10253	A	From Leg	4.00 0.000 2.000	0.000	143.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.11 0.15 0.20 0.33	0.06 0.10 0.14 0.25	0.00 0.00 0.01 0.01
782 10253	B	From Leg	4.00 0.000 2.000	0.000	143.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.11 0.15 0.20 0.33	0.06 0.10 0.14 0.25	0.00 0.00 0.01 0.01
782 10253	C	From Leg	4.00	0.000	143.00	No Ice	0.11	0.06	0.00

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	0.15	0.10	0.00
			2.000			1" Ice	0.20	0.14	0.01
						2" Ice	0.33	0.25	0.01
RRUS 32	A	From Leg	4.00	0.000	143.00	No Ice	2.86	1.78	0.06
			0.000			1/2" Ice	3.08	1.97	0.08
			2.000			1" Ice	3.32	2.17	0.10
						2" Ice	3.81	2.58	0.16
RRUS 32	B	From Leg	4.00	0.000	143.00	No Ice	2.86	1.78	0.06
			0.000			1/2" Ice	3.08	1.97	0.08
			2.000			1" Ice	3.32	2.17	0.10
						2" Ice	3.81	2.58	0.16
RRUS 32	C	From Leg	4.00	0.000	143.00	No Ice	2.86	1.78	0.06
			0.000			1/2" Ice	3.08	1.97	0.08
			2.000			1" Ice	3.32	2.17	0.10
						2" Ice	3.81	2.58	0.16
RRUS 8843 B2/B66A	A	From Leg	4.00	0.000	143.00	No Ice	1.64	1.35	0.07
			0.000			1/2" Ice	1.80	1.50	0.09
			2.000			1" Ice	1.97	1.65	0.11
						2" Ice	2.32	1.99	0.16
RRUS 8843 B2/B66A	B	From Leg	4.00	0.000	143.00	No Ice	1.64	1.35	0.07
			0.000			1/2" Ice	1.80	1.50	0.09
			2.000			1" Ice	1.97	1.65	0.11
						2" Ice	2.32	1.99	0.16
RRUS 8843 B2/B66A	C	From Leg	4.00	0.000	143.00	No Ice	1.64	1.35	0.07
			0.000			1/2" Ice	1.80	1.50	0.09
			2.000			1" Ice	1.97	1.65	0.11
						2" Ice	2.32	1.99	0.16
DC6-48-60-18-8F	A	From Leg	4.00	0.000	143.00	No Ice	1.21	1.21	0.03
			0.000			1/2" Ice	1.89	1.89	0.05
			2.000			1" Ice	2.11	2.11	0.08
						2" Ice	2.57	2.57	0.14
DC6-48-60-18-8F	B	From Leg	4.00	0.000	143.00	No Ice	1.21	1.21	0.03
			0.000			1/2" Ice	1.89	1.89	0.05
			2.000			1" Ice	2.11	2.11	0.08
						2" Ice	2.57	2.57	0.14
DC6-48-60-18-8F	C	From Leg	4.00	0.000	143.00	No Ice	1.21	1.21	0.03
			0.000			1/2" Ice	1.89	1.89	0.05
			2.000			1" Ice	2.11	2.11	0.08
						2" Ice	2.57	2.57	0.14
RRUS 4449 B5/B12	A	From Leg	4.00	0.000	143.00	No Ice	1.97	1.41	0.07
			0.000			1/2" Ice	2.14	1.56	0.09
			2.000			1" Ice	2.33	1.73	0.11
						2" Ice	2.72	2.07	0.16
RRUS 4449 B5/B12	B	From Leg	4.00	0.000	143.00	No Ice	1.97	1.41	0.07
			0.000			1/2" Ice	2.14	1.56	0.09
			2.000			1" Ice	2.33	1.73	0.11
						2" Ice	2.72	2.07	0.16
RRUS 4449 B5/B12	C	From Leg	4.00	0.000	143.00	No Ice	1.97	1.41	0.07
			0.000			1/2" Ice	2.14	1.56	0.09
			2.000			1" Ice	2.33	1.73	0.11
						2" Ice	2.72	2.07	0.16
2.4" Dia x 8-ft Mount Pipe	A	From Face	4.00	0.000	143.00	No Ice	1.90	1.90	0.03
			0.000			1/2" Ice	2.73	2.73	0.04
			4.000			1" Ice	3.40	3.40	0.06
						2" Ice	4.40	4.40	0.12
2.4" Dia x 8-ft Mount Pipe	B	From Face	4.00	0.000	143.00	No Ice	1.90	1.90	0.03
			0.000			1/2" Ice	2.73	2.73	0.04

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
			4.000			1" Ice	3.40	3.40	0.06
						2" Ice	4.40	4.40	0.12
2.4" Dia x 8-ft Mount Pipe	C	From Face	4.00	0.000	143.00	No Ice	1.90	1.90	0.03
			0.000			1/2" Ice	2.73	2.73	0.04
			4.000			1" Ice	3.40	3.40	0.06
						2" Ice	4.40	4.40	0.12
T-Arm Mount [TA 601-3]	C	None		0.000	143.00	No Ice	12.56	12.56	0.73
						1/2" Ice	15.36	15.36	0.94
						1" Ice	18.04	18.04	1.21
						2" Ice	23.69	23.69	1.92
133									
AIR -32 B2A/B66AA	A	From Centroid-Leg	4.00	0.000	133.00	No Ice	3.86	2.51	0.17
			0.000			1/2" Ice	4.23	2.86	0.22
			0.000			1" Ice	4.61	3.22	0.27
						2" Ice	5.41	3.97	0.40
AIR -32 B2A/B66AA	B	From Centroid-Leg	4.00	0.000	133.00	No Ice	3.86	2.51	0.17
			0.000			1/2" Ice	4.23	2.86	0.22
			0.000			1" Ice	4.61	3.22	0.27
						2" Ice	5.41	3.97	0.40
AIR -32 B2A/B66AA	C	From Centroid-Leg	4.00	0.000	133.00	No Ice	3.86	2.51	0.17
			0.000			1/2" Ice	4.23	2.86	0.22
			0.000			1" Ice	4.61	3.22	0.27
						2" Ice	5.41	3.97	0.40
APXVAARR24_43-U-NA20	A	From Centroid-Leg	4.00	0.000	133.00	No Ice	14.67	5.32	0.15
			0.000			1/2" Ice	15.43	5.99	0.27
			0.000			1" Ice	16.21	6.68	0.39
						2" Ice	17.81	8.08	0.66
APXVAARR24_43-U-NA20	B	From Centroid-Leg	4.00	0.000	133.00	No Ice	14.67	5.32	0.15
			0.000			1/2" Ice	15.43	5.99	0.27
			0.000			1" Ice	16.21	6.68	0.39
						2" Ice	17.81	8.08	0.66
APXVAARR24_43-U-NA20	C	From Centroid-Leg	4.00	0.000	133.00	No Ice	14.67	5.32	0.15
			0.000			1/2" Ice	15.43	5.99	0.27
			0.000			1" Ice	16.21	6.68	0.39
						2" Ice	17.81	8.08	0.66
Ericsson Air 21 B4A B12P-B8P 6FT	A	From Centroid-Leg	4.00	0.000	133.00	No Ice	6.61	3.67	0.13
			0.000			1/2" Ice	7.14	4.16	0.20
			0.000			1" Ice	7.69	4.67	0.28
						2" Ice	8.81	5.72	0.46
Ericsson Air 21 B4A B12P-B8P 6FT	B	From Centroid-Leg	4.00	0.000	133.00	No Ice	6.61	3.67	0.13
			0.000			1/2" Ice	7.14	4.16	0.20
			0.000			1" Ice	7.69	4.67	0.28
						2" Ice	8.81	5.72	0.46
Ericsson Air 21 B4A B12P-B8P 6FT	C	From Centroid-Leg	4.00	0.000	133.00	No Ice	6.61	3.67	0.13
			0.000			1/2" Ice	7.14	4.16	0.20
			0.000			1" Ice	7.69	4.67	0.28
						2" Ice	8.81	5.72	0.46
RADIO 4449 B12/B71	A	From Centroid-Leg	4.00	0.000	133.00	No Ice	1.64	1.15	0.08
			0.000			1/2" Ice	1.80	1.29	0.09
			0.000			1" Ice	1.97	1.44	0.11
						2" Ice	2.33	1.75	0.16
RADIO 4449 B12/B71	B	From Centroid-Leg	4.00	0.000	133.00	No Ice	1.64	1.15	0.08
			0.000			1/2" Ice	1.80	1.29	0.09
			0.000			1" Ice	1.97	1.44	0.11
						2" Ice	2.33	1.75	0.16
RADIO 4449 B12/B71	C	From Centroid-Le	4.00	0.000	133.00	No Ice	1.64	1.15	0.08
			0.000			1/2" Ice	1.80	1.29	0.09

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
		g	0.000			1" Ice	1.97	1.44	0.11
						2" Ice	2.33	1.75	0.16
Platform Mount [LP 302-1]	C	None		0.000	133.00	No Ice	26.56	26.56	1.71
						1/2" Ice	33.67	33.67	2.26
						1" Ice	40.39	40.39	2.95
						2" Ice	53.23	53.23	4.70
113									
LNX-6512DS-T0M w/ Mount Pipe	A	From Centroid-Le g	4.00 0.000 0.000	0.000	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.67 2.94 3.22 3.81	2.15 2.42 2.69 3.25	0.05 0.09 0.14 0.27
LNX-6512DS-T0M w/ Mount Pipe	B	From Centroid-Le g	4.00 0.000 0.000	0.000	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.67 2.94 3.22 3.81	2.15 2.42 2.69 3.25	0.05 0.09 0.14 0.27
LNX-6512DS-T0M w/ Mount Pipe	C	From Centroid-Le g	4.00 0.000 0.000	0.000	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.67 2.94 3.22 3.81	2.15 2.42 2.69 3.25	0.05 0.09 0.14 0.27
(2) SBNHH-1D65B w/ Mount Pipe	A	From Centroid-Le g	4.00 0.000 0.000	0.000	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
(2) SBNHH-1D65B w/ Mount Pipe	B	From Centroid-Le g	4.00 0.000 0.000	0.000	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
(2) SBNHH-1D65B w/ Mount Pipe	C	From Centroid-Le g	4.00 0.000 0.000	0.000	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
Sub6 Antenna - VZS01 w/ Mount Pipe	A	From Centroid-Le g	4.00 0.000 0.000	0.000	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	B	From Centroid-Le g	4.00 0.000 0.000	0.000	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	C	From Centroid-Le g	4.00 0.000 0.000	0.000	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
RVZDC-6627-PF-48	B	From Centroid-Le g	4.00 0.000 0.000	0.000	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.79 4.04 4.30 4.84	2.51 2.73 2.95 3.42	0.03 0.06 0.10 0.18
DB-T1-6Z-8AB-0Z	A	From Centroid-Le g	4.00 0.000 0.000	0.000	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.80 5.07 5.35 5.93	2.00 2.19 2.39 2.81	0.04 0.08 0.12 0.21
RFV01U-D1A	A	From Centroid-Le g	4.00 0.000 0.000	0.000	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
(2) RFV01U-D1A	B	From Centroid-Le	4.00 0.000	0.000	113.00	No Ice 1/2" Ice	1.88 2.05	1.25 1.39	0.08 0.10

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
		g	0.000			1" Ice	2.22	1.54	0.12
						2" Ice	2.60	1.86	0.18
(3) RFV01U-D2A	A	From Centroid-Leg	4.00 0.000 0.000	0.000	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
Platform Mount [LP 1201-1]	C	None		0.000	113.00	No Ice 1/2" Ice 1" Ice 2" Ice	18.38 22.11 25.87 33.47	18.38 22.11 25.87 33.47	2.10 2.65 3.26 4.66
60									
Side Arm Mount [SO 701-1]	A	From Leg	1.50 0.000 0.000	0.000	60.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.85 1.14 1.43 2.01	1.67 2.34 3.01 4.35	0.07 0.08 0.09 0.12
*** ***									

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
VHLP1-23	A	Paraboloid w/Shroud (HP)	From Centroid -Leg	4.00 0.000 -4.000	-64.000		155.00	1.27	No Ice 1/2" Ice 1" Ice 2" Ice	1.28 1.45 1.62 1.96	0.01 0.02 0.02 0.04
VHLP2.5-18	B	Paraboloid w/Shroud (HP)	From Centroid -Leg	4.00 0.000 -4.000	21.000		155.00	2.92	No Ice 1/2" Ice 1" Ice 2" Ice	6.68 7.07 7.45 8.23	0.05 0.08 0.12 0.19
VHLP2-11	C	Paraboloid w/Shroud (HP)	From Centroid -Leg	4.00 0.000 -4.000	13.000		155.00	2.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.72 4.01 4.30 4.88	0.03 0.05 0.07 0.11

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

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	155 - 115.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.35	-0.24	-1.64
			Max. Mx	8	-14.12	-442.82	-5.40
			Max. My	2	-14.12	4.67	440.84
			Max. Vy	8	18.34	-442.82	-5.40
			Max. Vx	2	-18.30	4.67	440.84
			Max. Torque	4			-0.92
L2	115.5 - 79.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.45	-2.12	-0.57

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	8	-24.96	-1260.57	-11.79
			Max. My	2	-24.94	10.69	1262.72
			Max. Vy	8	25.28	-1260.57	-11.79
			Max. Vx	2	-25.44	10.69	1262.72
			Max. Torque	3			-1.38
L3	79.25 - 43.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-73.68	-1.86	-1.60
			Max. Mx	8	-34.52	-2196.00	-19.11
			Max. My	2	-34.51	17.51	2202.86
			Max. Vy	8	28.48	-2196.00	-19.11
			Max. Vx	2	-28.59	17.51	2202.86
			Max. Torque	13			1.38
L4	43.75 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-95.79	-1.45	-3.85
			Max. Mx	8	-51.66	-3682.19	-29.44
			Max. My	2	-51.66	26.77	3693.90
			Max. Vy	8	31.87	-3682.19	-29.44
			Max. Vx	2	-31.98	26.77	3693.90
			Max. Torque	13			1.37

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	32	95.79	-4.32	-7.44
	Max. H_x	20	51.69	31.79	0.26
	Max. H_z	2	51.69	0.18	31.92
	Max. M_x	2	3693.90	0.18	31.92
	Max. M_z	8	3682.19	-31.81	-0.19
	Max. Torsion	13	1.37	-16.01	-27.61
	Min. Vert	23	38.77	27.62	16.06
	Min. H_x	8	51.69	-31.81	-0.19
	Min. H_z	14	51.69	-0.17	-31.85
	Min. M_x	14	-3683.80	-0.17	-31.85
	Min. M_z	20	-3676.48	31.79	0.26
	Min. Torsion	3	-1.36	0.18	31.92

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	43.08	0.00	0.00	0.47	-0.68	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	51.69	-0.18	-31.92	-3693.90	26.77	1.35
0.9 Dead+1.0 Wind 0 deg - No Ice	38.77	-0.18	-31.92	-3628.07	26.47	1.36
1.2 Dead+1.0 Wind 30 deg - No Ice	51.69	15.75	-27.59	-3191.23	-1818.25	1.09
0.9 Dead+1.0 Wind 30 deg - No Ice	38.77	15.75	-27.59	-3134.38	-1785.57	1.09
1.2 Dead+1.0 Wind 60 deg - No	51.69	27.54	-15.77	-1817.67	-3189.08	0.28

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
Ice						
0.9 Dead+1.0 Wind 60 deg - No Ice	38.77	27.54	-15.77	-1785.40	-3131.84	0.27
1.2 Dead+1.0 Wind 90 deg - No Ice	51.69	31.81	0.19	29.44	-3682.19	-0.66
0.9 Dead+1.0 Wind 90 deg - No Ice	38.77	31.81	0.19	28.72	-3616.17	-0.68
1.2 Dead+1.0 Wind 120 deg - No Ice	51.69	27.61	15.99	1850.35	-3197.79	-1.14
0.9 Dead+1.0 Wind 120 deg - No Ice	38.77	27.61	15.99	1817.18	-3140.40	-1.16
1.2 Dead+1.0 Wind 150 deg - No Ice	51.69	16.01	27.61	3193.37	-1857.43	-1.35
0.9 Dead+1.0 Wind 150 deg - No Ice	38.77	16.01	27.61	3136.24	-1823.98	-1.37
1.2 Dead+1.0 Wind 180 deg - No Ice	51.69	0.17	31.85	3683.80	-27.50	-1.29
0.9 Dead+1.0 Wind 180 deg - No Ice	38.77	0.17	31.85	3617.92	-26.73	-1.30
1.2 Dead+1.0 Wind 210 deg - No Ice	51.69	-15.77	27.54	3183.98	1819.32	-1.08
0.9 Dead+1.0 Wind 210 deg - No Ice	38.77	-15.77	27.54	3127.01	1787.08	-1.08
1.2 Dead+1.0 Wind 240 deg - No Ice	51.69	-27.45	15.78	1820.88	3172.78	-0.23
0.9 Dead+1.0 Wind 240 deg - No Ice	38.77	-27.45	15.78	1788.28	3116.34	-0.22
1.2 Dead+1.0 Wind 270 deg - No Ice	51.69	-31.79	-0.26	-40.47	3676.48	0.90
0.9 Dead+1.0 Wind 270 deg - No Ice	38.77	-31.79	-0.26	-39.79	3611.03	0.92
1.2 Dead+1.0 Wind 300 deg - No Ice	51.69	-27.62	-16.06	-1861.29	3197.80	1.26
0.9 Dead+1.0 Wind 300 deg - No Ice	38.77	-27.62	-16.06	-1828.17	3140.87	1.28
1.2 Dead+1.0 Wind 330 deg - No Ice	51.69	-16.06	-27.68	-3203.37	1863.83	1.32
0.9 Dead+1.0 Wind 330 deg - No Ice	38.77	-16.06	-27.68	-3146.30	1830.71	1.34
1.2 Dead+1.0 Ice+1.0 Temp	95.79	0.00	0.00	3.85	-1.45	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	95.79	-0.04	-8.60	-1081.16	4.42	0.27
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	95.79	4.27	-7.44	-934.05	-538.55	0.20
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	95.79	7.45	-4.26	-531.95	-940.50	0.01
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	95.79	8.60	0.04	10.52	-1085.60	-0.18
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	95.79	7.46	4.31	547.20	-942.36	-0.27
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	95.79	4.32	7.44	942.47	-547.23	-0.30
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	95.79	0.03	8.59	1086.93	-7.64	-0.26
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	95.79	-4.27	7.43	940.35	535.87	-0.19
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	95.79	-7.43	4.27	540.70	933.73	-0.00
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	95.79	-8.59	-0.05	-4.96	1081.15	0.23
1.2 Dead+1.0 Wind 300	95.79	-7.46	-4.32	-541.60	939.23	0.29

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 330	95.79	-4.33	-7.46	-936.63	545.65	0.29
deg+1.0 Ice+1.0 Temp						
Dead+Wind 0 deg - Service	43.08	-0.04	-6.93	-793.73	5.18	0.30
Dead+Wind 30 deg - Service	43.08	3.42	-5.99	-685.66	-391.43	0.24
Dead+Wind 60 deg - Service	43.08	5.98	-3.42	-390.39	-686.11	0.06
Dead+Wind 90 deg - Service	43.08	6.90	0.04	6.67	-792.11	-0.15
Dead+Wind 120 deg - Service	43.08	5.99	3.47	398.13	-688.00	-0.25
Dead+Wind 150 deg - Service	43.08	3.47	5.99	686.84	-399.86	-0.30
Dead+Wind 180 deg - Service	43.08	0.04	6.91	792.24	-6.47	-0.29
Dead+Wind 210 deg - Service	43.08	-3.42	5.98	684.80	390.53	-0.24
Dead+Wind 240 deg - Service	43.08	-5.96	3.43	391.78	681.47	-0.05
Dead+Wind 270 deg - Service	43.08	-6.90	-0.06	-8.34	789.75	0.20
Dead+Wind 300 deg - Service	43.08	-5.99	-3.49	-399.79	686.89	0.28
Dead+Wind 330 deg - Service	43.08	-3.49	-6.01	-688.31	400.11	0.30

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.00	-43.08	0.00	0.00	43.08	0.00	0.000%
2	-0.18	-51.69	-31.92	0.18	51.69	31.92	0.000%
3	-0.18	-38.77	-31.92	0.18	38.77	31.92	0.000%
4	15.75	-51.69	-27.59	-15.75	51.69	27.59	0.000%
5	15.75	-38.77	-27.59	-15.75	38.77	27.59	0.000%
6	27.54	-51.69	-15.77	-27.54	51.69	15.77	0.000%
7	27.54	-38.77	-15.77	-27.54	38.77	15.77	0.000%
8	31.81	-51.69	0.19	-31.81	51.69	-0.19	0.000%
9	31.81	-38.77	0.19	-31.81	38.77	-0.19	0.000%
10	27.61	-51.69	15.99	-27.61	51.69	-15.99	0.000%
11	27.61	-38.77	15.99	-27.61	38.77	-15.99	0.000%
12	16.01	-51.69	27.61	-16.01	51.69	-27.61	0.000%
13	16.01	-38.77	27.61	-16.01	38.77	-27.61	0.000%
14	0.17	-51.69	31.85	-0.17	51.69	-31.85	0.000%
15	0.17	-38.77	31.85	-0.17	38.77	-31.85	0.000%
16	-15.77	-51.69	27.54	15.77	51.69	-27.54	0.000%
17	-15.77	-38.77	27.54	15.77	38.77	-27.54	0.000%
18	-27.45	-51.69	15.78	27.45	51.69	-15.78	0.000%
19	-27.45	-38.77	15.78	27.45	38.77	-15.78	0.000%
20	-31.79	-51.69	-0.26	31.79	51.69	0.26	0.000%
21	-31.79	-38.77	-0.26	31.79	38.77	0.26	0.000%
22	-27.62	-51.69	-16.06	27.62	51.69	16.06	0.000%
23	-27.62	-38.77	-16.06	27.62	38.77	16.06	0.000%
24	-16.06	-51.69	-27.68	16.06	51.69	27.68	0.000%
25	-16.06	-38.77	-27.68	16.06	38.77	27.68	0.000%
26	0.00	-95.79	0.00	-0.00	95.79	-0.00	0.000%
27	-0.04	-95.79	-8.60	0.04	95.79	8.60	0.000%
28	4.27	-95.79	-7.44	-4.27	95.79	7.44	0.000%
29	7.44	-95.79	-4.26	-7.45	95.79	4.26	0.000%
30	8.60	-95.79	0.04	-8.60	95.79	-0.04	0.000%
31	7.46	-95.79	4.31	-7.46	95.79	-4.31	0.000%
32	4.32	-95.79	7.44	-4.32	95.79	-7.44	0.000%
33	0.03	-95.79	8.59	-0.03	95.79	-8.59	0.000%
34	-4.27	-95.79	7.43	4.27	95.79	-7.43	0.000%
35	-7.43	-95.79	4.27	7.43	95.79	-4.27	0.000%
36	-8.59	-95.79	-0.05	8.59	95.79	0.05	0.000%
37	-7.46	-95.79	-4.32	7.46	95.79	4.32	0.000%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
38	-4.33	-95.79	-7.46	4.33	95.79	7.46	0.000%
39	-0.04	-43.08	-6.93	0.04	43.08	6.93	0.000%
40	3.42	-43.08	-5.99	-3.42	43.08	5.99	0.000%
41	5.98	-43.08	-3.42	-5.98	43.08	3.42	0.000%
42	6.90	-43.08	0.04	-6.90	43.08	-0.04	0.000%
43	5.99	-43.08	3.47	-5.99	43.08	-3.47	0.000%
44	3.47	-43.08	5.99	-3.47	43.08	-5.99	0.000%
45	0.04	-43.08	6.91	-0.04	43.08	-6.91	0.000%
46	-3.42	-43.08	5.98	3.42	43.08	-5.98	0.000%
47	-5.96	-43.08	3.43	5.96	43.08	-3.43	0.000%
48	-6.90	-43.08	-0.06	6.90	43.08	0.06	0.000%
49	-5.99	-43.08	-3.49	5.99	43.08	3.49	0.000%
50	-3.49	-43.08	-6.01	3.49	43.08	6.01	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00008843
3	Yes	5	0.00000001	0.00004150
4	Yes	6	0.00000001	0.00083685
5	Yes	6	0.00000001	0.00026312
6	Yes	6	0.00000001	0.00082051
7	Yes	6	0.00000001	0.00025722
8	Yes	5	0.00000001	0.00015418
9	Yes	5	0.00000001	0.00006426
10	Yes	6	0.00000001	0.00082985
11	Yes	6	0.00000001	0.00025871
12	Yes	6	0.00000001	0.00085111
13	Yes	6	0.00000001	0.00026651
14	Yes	5	0.00000001	0.00048818
15	Yes	5	0.00000001	0.00022560
16	Yes	6	0.00000001	0.00081084
17	Yes	6	0.00000001	0.00025401
18	Yes	6	0.00000001	0.00082483
19	Yes	6	0.00000001	0.00025943
20	Yes	5	0.00000001	0.00048402
21	Yes	5	0.00000001	0.00022312
22	Yes	6	0.00000001	0.00085360
23	Yes	6	0.00000001	0.00026702
24	Yes	6	0.00000001	0.00083310
25	Yes	6	0.00000001	0.00025907
26	Yes	4	0.00000001	0.00004504
27	Yes	6	0.00006458	0.00052509
28	Yes	6	0.00006416	0.00094331
29	Yes	6	0.00006417	0.00093357
30	Yes	6	0.00006460	0.00052779
31	Yes	6	0.00006414	0.00095291
32	Yes	6	0.00006412	0.00096494
33	Yes	6	0.00006457	0.00052761
34	Yes	6	0.00006414	0.00092687
35	Yes	6	0.00006414	0.00093322
36	Yes	6	0.00006457	0.00052380
37	Yes	6	0.00006413	0.00095008
38	Yes	6	0.00006413	0.00094092

39	Yes	4	0.00000001	0.00028336
40	Yes	5	0.00000001	0.00013722
41	Yes	5	0.00000001	0.00012839
42	Yes	4	0.00000001	0.00023397
43	Yes	5	0.00000001	0.00012969
44	Yes	5	0.00000001	0.00014080
45	Yes	4	0.00000001	0.00031460
46	Yes	5	0.00000001	0.00012360
47	Yes	5	0.00000001	0.00013069
48	Yes	4	0.00000001	0.00027338
49	Yes	5	0.00000001	0.00014030
50	Yes	5	0.00000001	0.00012959

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	155 - 115.5	30.170	50	1.666	0.003
L2	119.25 - 79.25	18.183	50	1.462	0.002
L3	83.75 - 43.75	8.806	50	1.014	0.001
L4	49 - 0	2.974	50	0.562	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
155.00	APXVTM14-C-120 w/ Mount Pipe	50	30.170	1.666	0.003	36865
153.00	800MHz 2X50W RRH W/FILTER	50	29.471	1.658	0.003	36865
151.00	VHLP1-23	50	28.774	1.650	0.003	36865
143.00	OPA-65R-LCUU-H6 w/ Mount Pipe	50	25.999	1.617	0.002	15360
133.00	AIR -32 B2A/B66AA	50	22.605	1.565	0.002	8377
113.00	LNX-6512DS-T0M w/ Mount Pipe	50	16.306	1.398	0.002	5010
60.00	Side Arm Mount [SO 701-1]	50	4.424	0.699	0.000	3874

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	155 - 115.5	140.313	24	7.778	0.014
L2	119.25 - 79.25	84.635	24	6.820	0.008
L3	83.75 - 43.75	41.018	24	4.729	0.004
L4	49 - 0	13.853	24	2.618	0.002

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
155.00	APXVTM14-C-120 w/ Mount Pipe	24	140.313	7.778	0.014	8199
153.00	800MHz 2X50W RRH W/FILTER	24	137.071	7.741	0.013	8199
151.00	VHLP1-23	24	133.832	7.704	0.013	8199
143.00	OPA-65R-LCUU-H6 w/ Mount Pipe	24	120.945	7.546	0.012	3414
133.00	AIR -32 B2A/B66AA	24	105.178	7.303	0.010	1859
113.00	LNX-6512DS-T0M w/ Mount Pipe	24	75.909	6.522	0.007	1105
60.00	Side Arm Mount [SO 701-1]	24	20.611	3.258	0.002	836

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	155 - 115.5 (1)	TP29.308x22x0.25	39.50	0.00	0.0	22.507	-14.10	1215.38	0.012
L2	115.5 - 79.25 (2)	TP35.514x28.114x0.313	40.00	0.00	0.0	34.090	-24.93	1994.25	0.012
L3	79.25 - 43.75 (3)	TP41.456x34.057x0.375	40.00	0.00	0.0	47.741	-34.51	2792.83	0.012
L4	43.75 - 0 (4)	TP48.8x39.735x0.438	49.00	0.00	0.0	67.157	-51.66	3928.71	0.013

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	155 - 115.5 (1)	TP29.308x22x0.25	444.57	867.63	0.512	0.00	867.63	0.000
L2	115.5 - 79.25 (2)	TP35.514x28.114x0.313	1267.88	1720.89	0.737	0.00	1720.89	0.000
L3	79.25 - 43.75 (3)	TP41.456x34.057x0.375	2210.87	2833.97	0.780	0.00	2833.97	0.000
L4	43.75 - 0 (4)	TP48.8x39.735x0.438	3706.13	4763.74	0.778	0.00	4763.74	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	155 - 115.5 (1)	TP29.308x22x0.25	18.41	364.61	0.051	0.27	905.70	0.000
L2	115.5 - 79.25 (2)	TP35.514x28.114x0.313	25.52	598.28	0.043	1.22	1800.73	0.001
L3	79.25 - 43.75 (3)	TP41.456x34.057x0.375	28.68	837.85	0.034	1.33	2943.04	0.000
L4	43.75 - 0 (4)	TP48.8x39.735x0.438	32.06	1178.61	0.027	1.32	4991.82	0.000

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 $\frac{T_u}{\phi T_n}$

Pole Interaction Design Data

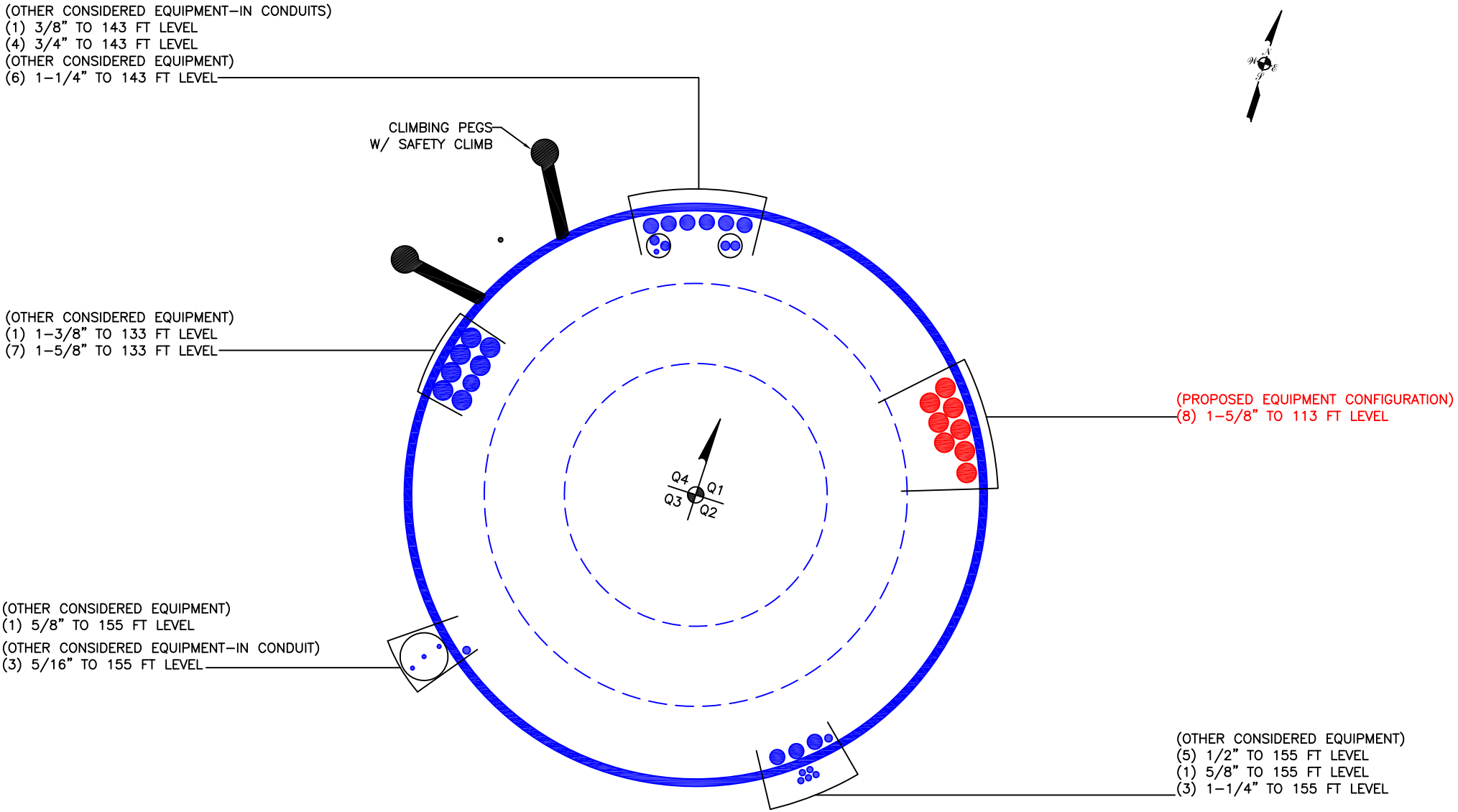
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	155 - 115.5 (1)	0.012	0.512	0.000	0.051	0.000	0.527	1.050	4.8.2
L2	115.5 - 79.25 (2)	0.012	0.737	0.000	0.043	0.001	0.751	1.050	4.8.2
L3	79.25 - 43.75 (3)	0.012	0.780	0.000	0.034	0.000	0.794	1.050	4.8.2
L4	43.75 - 0 (4)	0.013	0.778	0.000	0.027	0.000	0.792	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	155 - 115.5	Pole	TP29.308x22x0.25	1	-14.10	1276.15	50.2	Pass
L2	115.5 - 79.25	Pole	TP35.514x28.114x0.313	2	-24.93	2093.96	71.5	Pass
L3	79.25 - 43.75	Pole	TP41.456x34.057x0.375	3	-34.51	2932.47	75.6	Pass
L4	43.75 - 0	Pole	TP48.8x39.735x0.438	4	-51.66	4125.15	75.4	Pass
							Summary	
						Pole (L3)	75.6	Pass
						Rating =	**75.6**	**Pass**

APPENDIX B

BASE LEVEL DRAWING


(OTHER CONSIDERED EQUIPMENT–IN CONDUITS)
(1) 3/8" TO 143 FT LEVEL
(4) 3/4" TO 143 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(6) 1–1/4" TO 143 FT LEVEL
CLIMBING PEGS
W/ SAFETY CLIMB
(OTHER CONSIDERED EQUIPMENT)
(1) 1–3/8" TO 133 FT LEVEL
(7) 1–5/8" TO 133 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION)
(8) 1–5/8" TO 113 FT LEVEL
Q4
Q1
Q3
Q2
(OTHER CONSIDERED EQUIPMENT)
(1) 5/8" TO 155 FT LEVEL
(OTHER CONSIDERED EQUIPMENT–IN CONDUIT)
(3) 5/16" TO 155 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(5) 1/2" TO 155 FT LEVEL
(1) 5/8" TO 155 FT LEVEL
(3) 1–1/4" TO 155 FT LEVEL

APPENDIX C

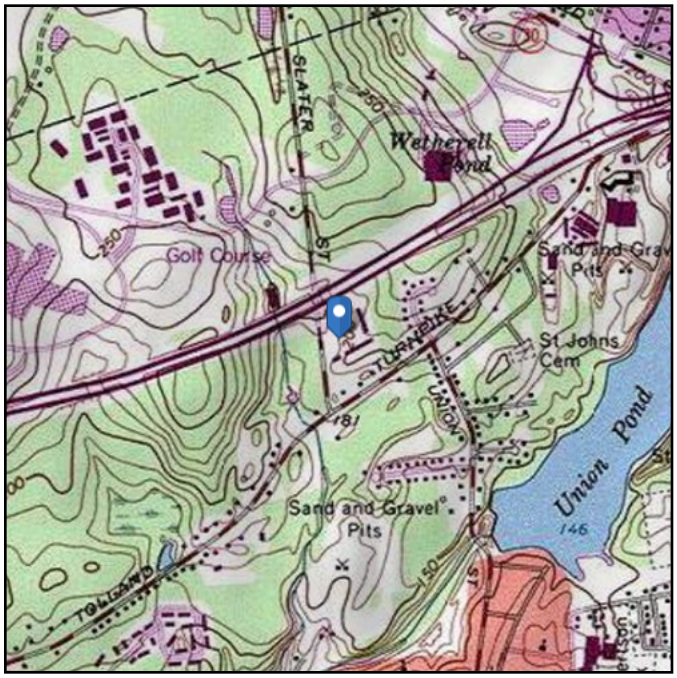
ADDITIONAL CALCULATIONS

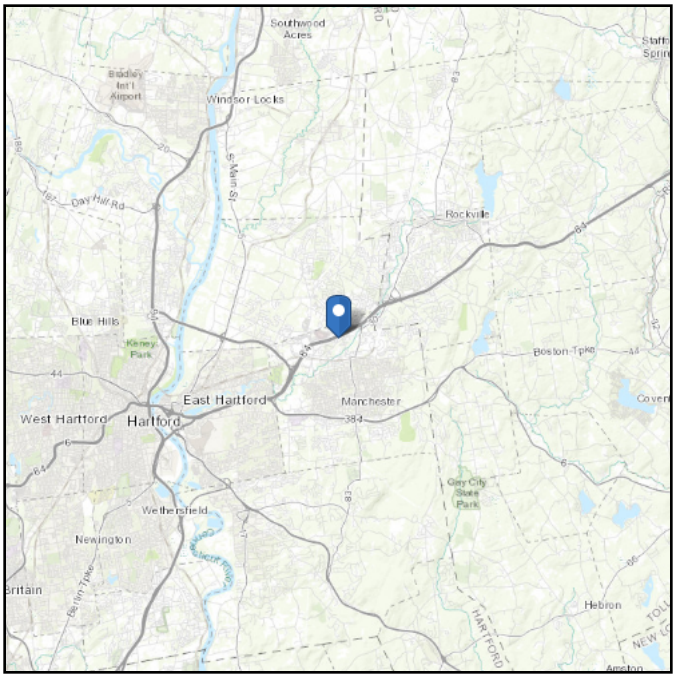
ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 195.5 ft (NAVD 88)
Latitude: 41.805
Longitude: -72.533611





Wind

Results:

Wind Speed:	123 Vmph	125 Vmph per Jurisdiction
10-year MRI	77 Vmph	
25-year MRI	87 Vmph	
50-year MRI	93 Vmph	
100-year MRI	101 Vmph	

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

Date Accessed: Fri Apr 09 2021

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

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

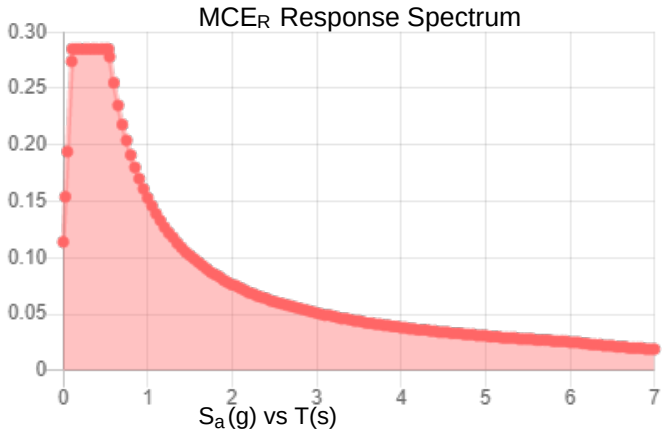
Seismic

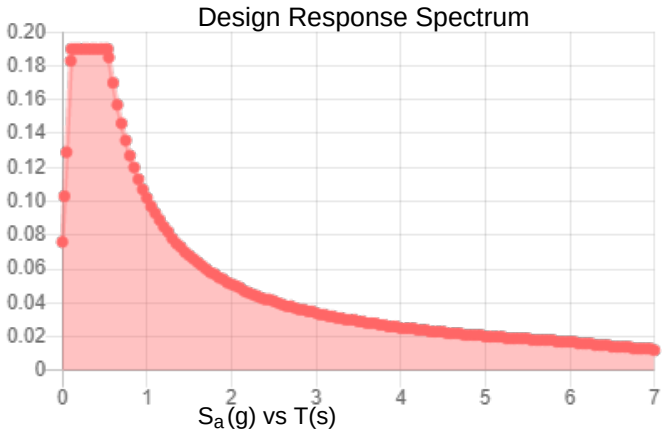
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.178	S_{DS} :	0.19
S_1 :	0.064	S_{D1} :	0.102
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.089
S_{MS} :	0.285	PGA_M :	0.143
S_{M1} :	0.153	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Fri Apr 09 2021

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

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	5 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Fri Apr 09 2021

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

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

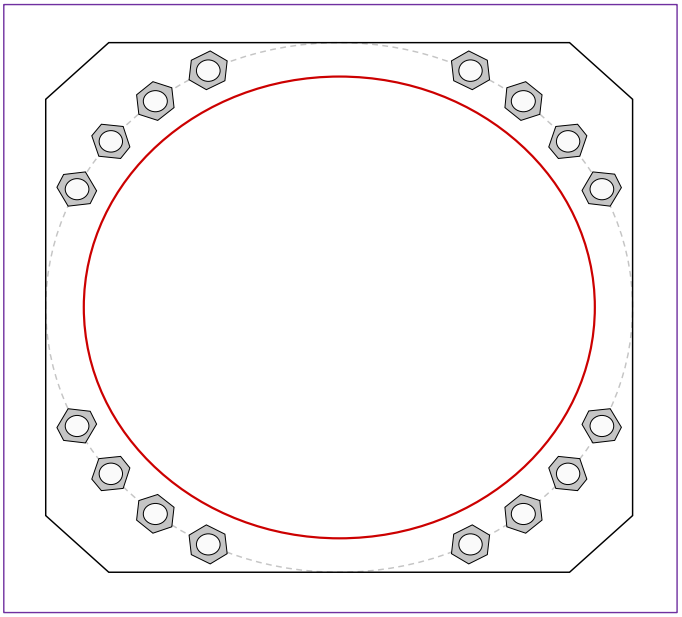
Monopole Base Plate Connection

Site Info	
BU #	876347
Site Name	Buckland Mall
Order #	552625 Rev. 0

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

Applied Loads	
Moment (kip-ft)	3706.13
Axial Force (kips)	51.66
Shear Force (kips)	32.06

**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 56" BC

Anchor Spacing: 6 in

Base Plate Data

56" W x 3.25" Plate (A572-50; Fy=50 ksi, Fu=65 ksi); Clip: 6 in

Stiffener Data

N/A

Pole Data

48.8" x 0.4375" 18-sided pole (A607-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

Pu_c = 201.64	ϕPn_c = 268.39	**Stress Rating**
Vu = 2	ϕVn = 120.77	**71.6%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	27.49	(Flexural)
Allowable Stress (ksi):	45	
Stress Rating:	**58.2%**	**Pass**

Pier and Pad Foundation

BU # :	876347
Site Name:	Buckland Mall
App. Number:	552625 Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp}:	51.69	kips
Base Shear, Vu_comp:	32	kips
Moment, M_u:	3706.14	ft-kips
Tower Height, **H**:	155	ft
BP Dist. Above Fdn, bp_{dist}:	3	in

Pier Properties		
Pier Shape:	Square	
Pier Diameter, **dpier**:	7	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	11	
Pier Rebar Quantity, **mc**:	32	
Pier Tie/Spiral Size, **St**:	5	
Pier Tie/Spiral Quantity, **mt**:	12	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	10	ft
Pad Width, W_1:	23	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	9	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	34	
Pad Clear Cover, cc_{pad}:	3	in

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

Soil Properties		
Total Soil Unit Weight, γ:	115	pcf
Ultimate Net Bearing, Qnet:	30.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N_{blows}:	15	
Base Friction, μ:	0.45	
Neglected Depth, **N**:	3.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	N/A	ft

<--Toggle between Gross and Net

Foundation Analysis Checks	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	404.54	32.00	**7.5%**	**Pass**
Bearing Pressure (ksf)	23.36	3.11	**13.3%**	**Pass**
*Overturning (kip*ft)*	8479.06	4050.14	**47.8%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	7577.10	3946.14	**49.6%**	**Pass**
Pier Compression (kip)	23390.64	117.84	**0.5%**	**Pass**
*Pad Flexure (kip*ft)*	4568.38	1356.52	**28.3%**	**Pass**
Pad Shear - 1-way (kips)	709.93	227.72	**30.5%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.164	0.041	**23.5%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	6333.75	2367.68	**35.6%**	**Pass**

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

Soil Rating*:	**47.8%**
Structural Rating*:	**49.6%**

Exhibit E

Mount Analysis

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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10061735
Maser Consulting Connecticut Project #: 21777063A

May 5, 2021

Site Information	*Site ID:*	*468759-VZW / BUCKLAND CT*
	Site Name:	*BUCKLAND CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*53 Slater Rd* *Manchester, Connecticut 06040* *Hartford County*
	Latitude:	*41.805056°*
	Longitude:	*-72.533500°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*14.08-Ft Platform*

FUZE ID # 16232031

Analysis Results

Platform: **77.9% 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

Digitally signed by Taqi Khawaja-Ghulam
Date: 2021.05.07 10:12:35-04'00'

Report Prepared By: Selene Chen

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: 674855. dated March 16, 2021*
Mount Mapping Report	*Level-Up Towers, Site ID: 468759, dated February 18, 2021*
Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21777063A, dated April 2, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777063A, dated May 5, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	118 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.993
Seismic Parameters:	S_S:	0.187
	S_1:	0.055
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
111.50	113.00	3	Samsung	MT6407-77A	Added
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48	
		3	Andrew	LNX-6512DS	Retained
		6	Andrew	SBNHH-1D65B	
		1	Raycap	RRFDC-3315-PF-48	

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Connection	71.2%	Pass
Back Standoff HSS	57.5%	Pass
Front Standoff HSS	27.6%	Pass
Standoff Bracing Angle	54.2%	Pass
Platform End Angles	14.6%	Pass
Face Horizontal	77.9%	Pass
Mount Pipe	32.5%	Pass
Support Rail	46.6%	Pass
Support Rail Corner	44.4%	Pass
Support Rail Bracing	11.6%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**77.9%**

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

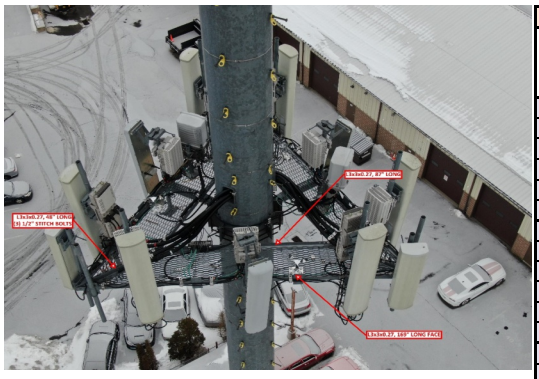

02 18 2021 08:39

V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	Crown Castle	**Mapping Date:**	2/18/2021
Site Name:	BUCKLAND CT	**Tower Type:**	Monopole
Site Number or ID:	468759	**Tower Height (Ft.):**	
Mapping Contractor:	Level-Up Towers	**Mount Elevation (Ft.):**	111

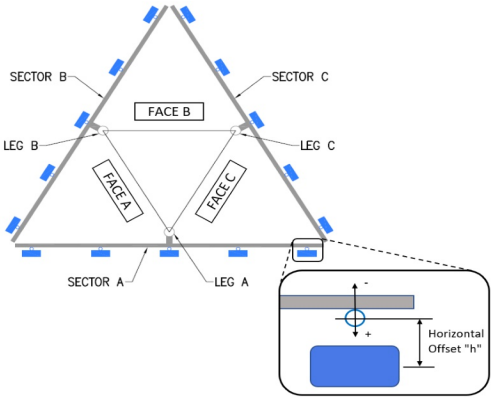


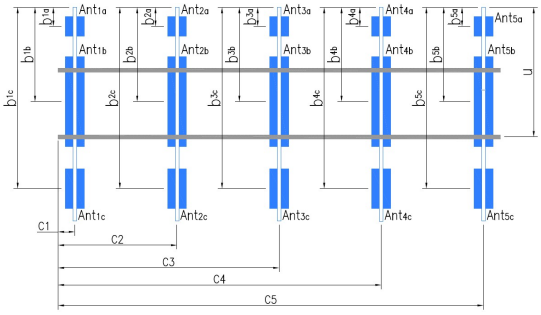
Mount Pipe Configuration and Geometries [Unit = Inches]

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	P2.38X0.15", 72" Long	42.00	9.50	C1	P2.38X0.15", 72" Long	42.00	9.50
A2	P2.38X0.15", 96" Long	69.00	33.50	C2	P2.38X0.15", 96" Long	69.00	33.50
A3	P2.38X0.15", 72" Long	42.00	84.50	C3	P2.38X0.15", 72" Long	42.00	84.50
A4	P2.38X0.15", 96" Long	69.00	136.00	C4	P2.38X0.15", 96" Long	69.00	136.00
A5	P2.38X0.15", 72" Long	42.00	160.00	C5	P2.38X0.15", 72" Long	42.00	160.00
A6				C6			
B1	P2.38X0.15", 72" Long	42.00	9.50	D1			
B2	P2.38X0.15", 96" Long	69.00	33.50	D2			
B3	P2.38X0.15", 72" Long	42.00	84.50	D3			
B4	P2.38X0.15", 96" Long	69.00	136.00	D4			
B5	P2.38X0.15", 72" Long	42.00	160.00	D5			
B6				D6			

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

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	30



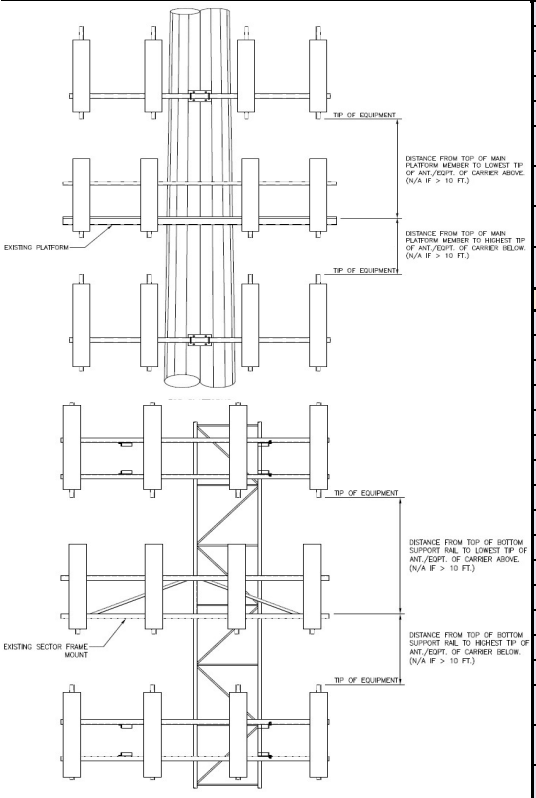


Antenna Layout (Looking Out From Tower)

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}	Worn Label	12.00	7.25	48.50	2 - 1-5/8	112.167	28.00	7.00	30.00	148
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	Andrew SBNHH-1D65	12.00	7.50	73.00		112.667	49.00	8.00	30.00	150
Ant_{2b}	ALU B4 RRH2x60-4R	11.00	6.00	37.00		113.75	36.00	6.00	30.00	153
Ant_{2c}										
Ant_{3a}	Antel BXA-70063/6CF	11.00	5.00	71.00	0	111.333	38.00	14.00	30.00	155
Ant_{3b}	ALU B13 RRH4x30	12.00	7.50	20.50		113.167	16.00	7.00	30.00	157
Ant_{3c}										
Ant_{4a}	Andrew SBNHH-1D65	12.00	7.50	73.00		112.667	49.00	8.00	30.00	162
Ant_{4b}	ALU B25 RRH 4x30	12.00	7.00	21.00		113.583	38.00	8.00	30.00	163
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector		
Sector A:	30.00	Deg	Leg A:		Deg
Sector B:	150.00	Deg	Leg B:		Deg
Sector C:	270.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	270.00	Deg	Sector C
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Missing safety cable.



Sector B										
Ant_{1a}	Worn Label	12.00	7.25	48.50	2 - 1-5/8	112.167	28.00	7.00	145.00	167
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	Andrew SBNHH-1D65	12.00	7.50	73.00		112.667	49.00	8.00	145.00	170
Ant_{2b}	ALU B4 RRH2x60-4R	11.00	6.00	37.00		113.75	36.00	6.00	145.00	173
Ant_{2c}										
Ant_{3a}	Antel BXA-70063/6CF	11.00	5.00	71.00	0	111.333	38.00	14.00	145.00	175
Ant_{3b}	ALU B13 RRH4x30	12.00	7.50	20.50		113.167	16.00	7.00	145.00	175
Ant_{3c}										
Ant_{4a}	Andrew SBNHH-1D65	12.00	7.50	73.00		112.667	49.00	8.00	145.00	182
Ant_{4b}	ALU B25 RRH 4x30	12.00	7.00	21.00		113.583	38.00	8.00	145.00	182
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	Worn Label	12.00	7.25	48.50	2 - 1-5/8	112.167	28.00	7.00	250.00	123
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	Andrew SBNHH-1D65	12.00	7.50	73.00		112.667	49.00	8.00	250.00	126
Ant_{2b}	ALU B4 RRH2x60-4R	11.00	6.00	37.00		113.75	36.00	6.00	250.00	130
Ant_{2c}										
Ant_{3a}	Antel BXA-70063/6CF	11.00	5.00	71.00	0	111.333	38.00	14.00	250.00	133
Ant_{3b}	ALU B13 RRH4x30	12.00	7.50	20.50		113.167	16.00	7.00	250.00	136
Ant_{3c}										
Ant_{4a}	Andrew SBNHH-1D65	12.00	7.50	73.00		112.667	49.00	8.00	250.00	139
Ant_{4b}	ALU B25 RRH 4x30	12.00	7.00	21.00		113.583	38.00	8.00	250.00	143
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1	P3 antenna bracket not properly secured to pipe	63
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.

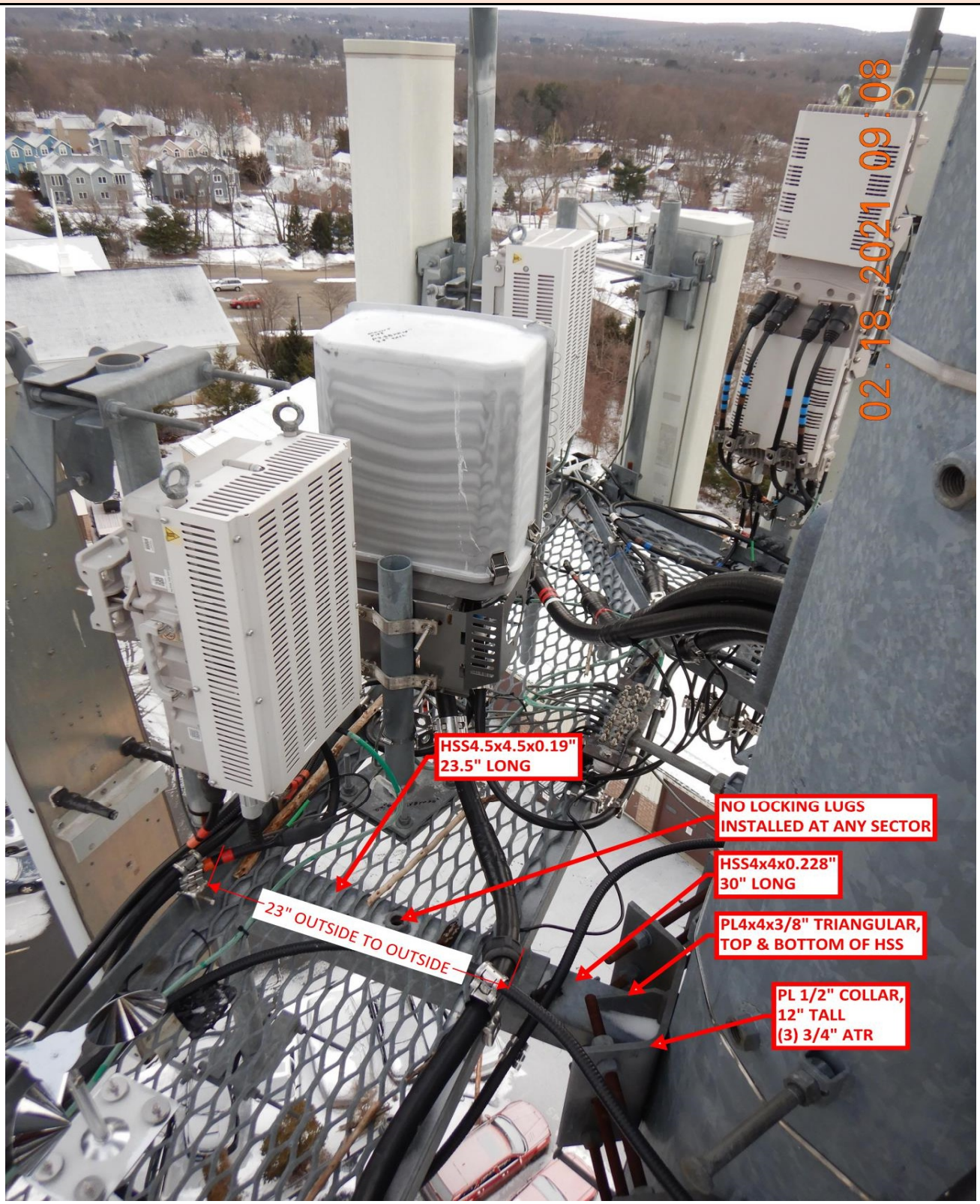
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	Crown Castle	**Mapping Date:**	2/18/2021
Site Name:	BUCKLAND CT	**Tower Type:**	Monopole
Site Number or ID:	468759	**Tower Height (Ft.):**	
Mapping Contractor:	Level-Up Towers	**Mount Elevation (Ft.):**	111

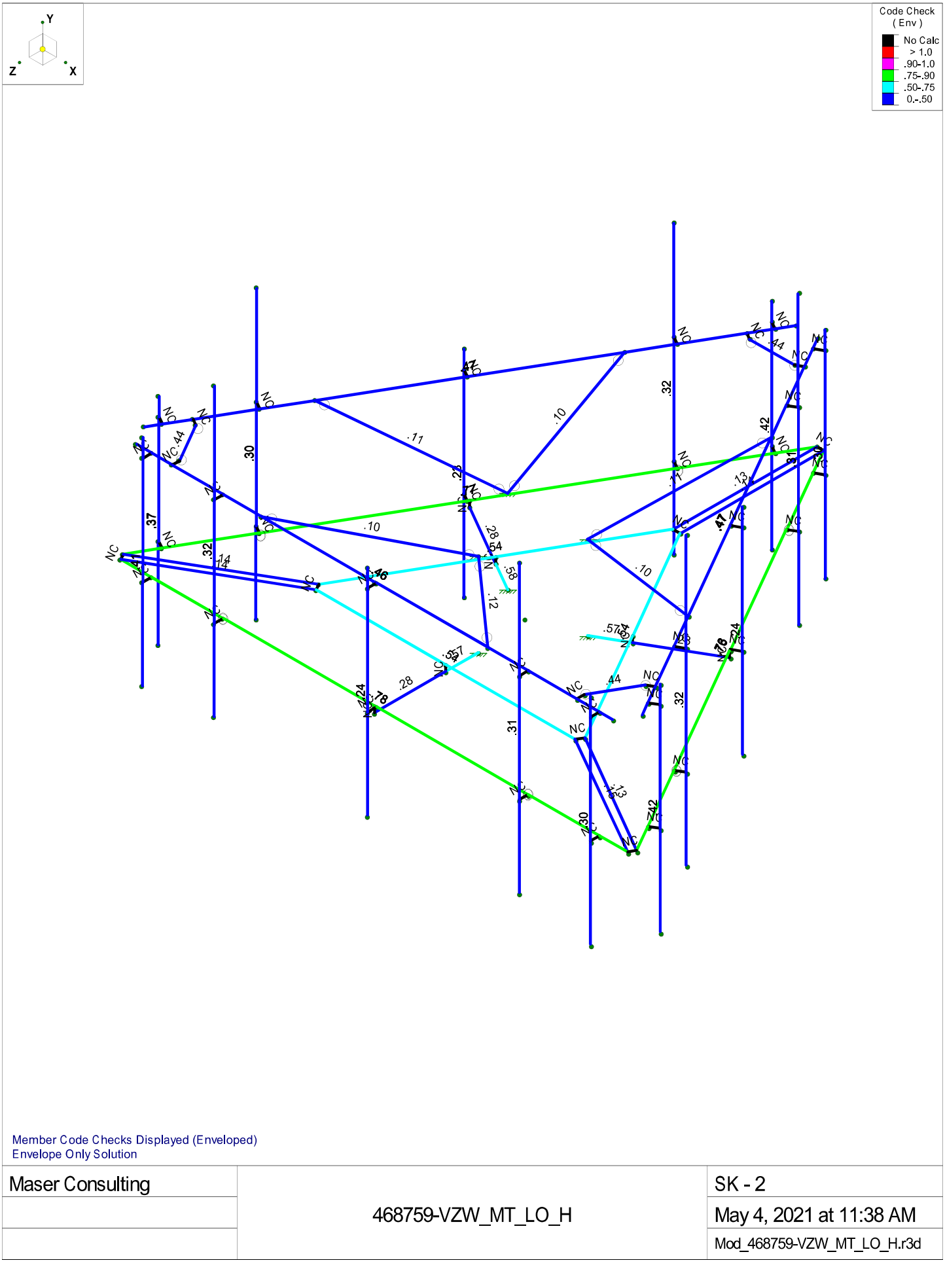
Please Insert Sketches of the Antenna Mount



Please Insert Sketches of the Antenna Mount, cont'd

Envelope Only Solution

Maser Consulting	468759-VZW_MT_LO_H	SK - 1
		May 4, 2021 at 11:38 AM
		Mod_468759-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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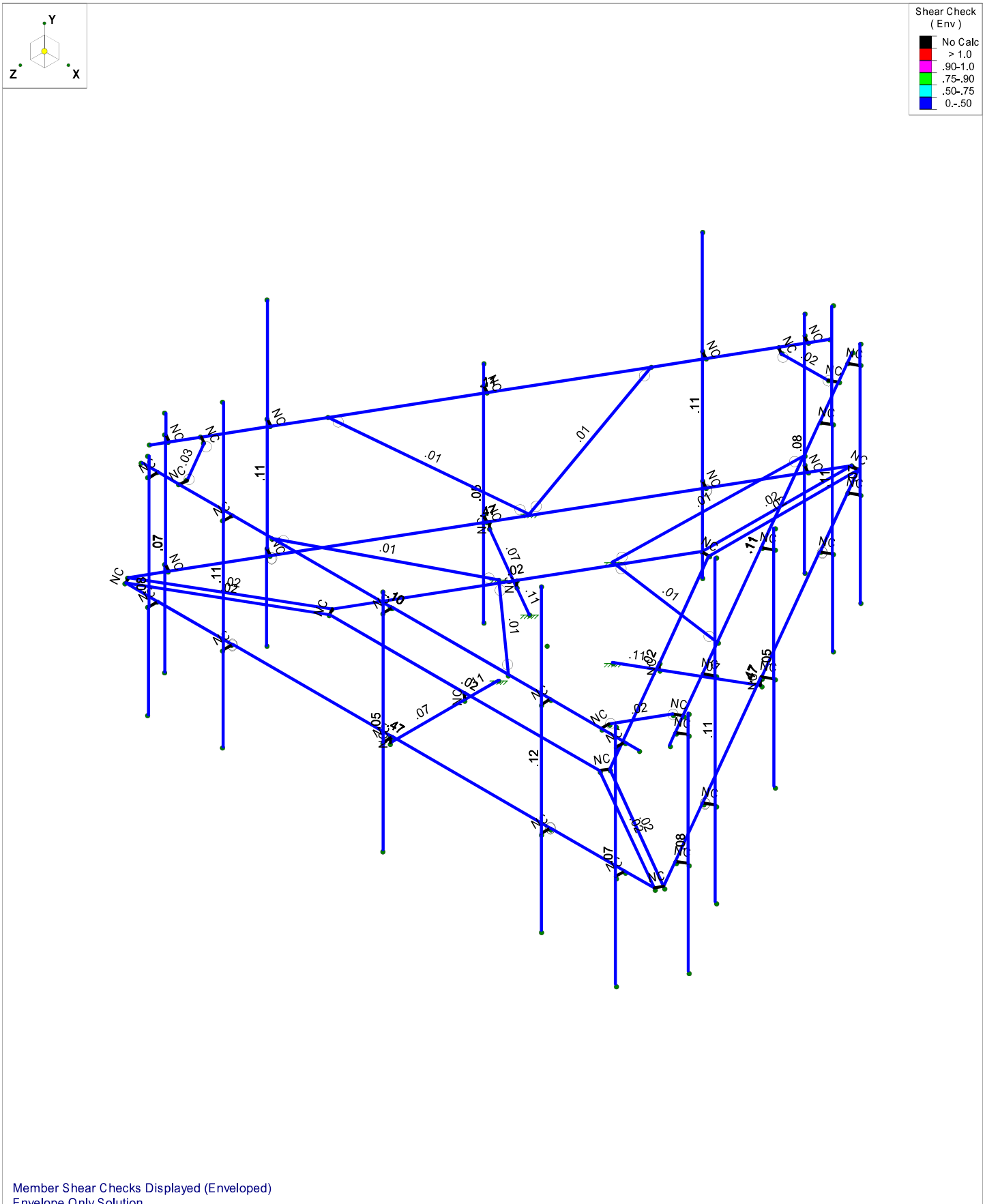


Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	468759-VZW_MT_LO_H	SK - 3
		May 4, 2021 at 11:38 AM
		Mod_468759-VZW_MT_LO_H.r3d

Basic Load Cases

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

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
52	Structure Wo (330 D...	None						90		
53	Structure Wi (0 Deg)	None						90		
54	Structure Wi (30 Deg)	None						90		
55	Structure Wi (60 Deg)	None						90		
56	Structure Wi (90 Deg)	None						90		
57	Structure Wi (120 De...	None						90		
58	Structure Wi (150 De...	None						90		
59	Structure Wi (180 De...	None						90		
60	Structure Wi (210 De...	None						90		
61	Structure Wi (240 De...	None						90		
62	Structure Wi (270 De...	None						90		
63	Structure Wi (300 De...	None						90		
64	Structure Wi (330 De...	None						90		
65	Structure Wm (0 Deg)	None						90		
66	Structure Wm (30 D...	None						90		
67	Structure Wm (60 D...	None						90		
68	Structure Wm (90 D...	None						90		
69	Structure Wm (120 ...	None						90		
70	Structure Wm (150 ...	None						90		
71	Structure Wm (180 ...	None						90		
72	Structure Wm (210 ...	None						90		
73	Structure Wm (240 ...	None						90		
74	Structure Wm (270 ...	None						90		
75	Structure Wm (300 ...	None						90		
76	Structure Wm (330 ...	None						90		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						36		
82	BLC 40 Transient Are...	None						36		

Load Combinations

	Description	Solve	PDelta	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (6...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (9...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N1	0.	-2.	0.9295	0	
2	N2	85.109941	0	0.9295	0	
3	N3	-85.109941	0	0.9295	0	
4	N4	0.	0	-23.	0	
5	N5	43.5	0	-23.	0	
6	N6	-43.5	0	-23.	0	
7	N7	0.	-2.	-34.	0	
8	N8	0	0	-49.5	0	
9	N9	43.672795	-2.	-74.7145	0	
10	N10	1.118257	0	-148.422121	0	
11	N11	86.228199	0	-1.007379	0	
12	N12	22.949673	0	-62.75	0	
13	N13	1.199673	0	-100.422105	0	
14	N14	44.699673	0	-25.077895	0	
15	N15	13.423394	-2.	-57.25	0	
16	N17	-43.672795	-2.	-74.7145	0	
17	N18	-86.228199	0	-1.007379	0	
18	N19	-1.118257	0	-148.422121	0	
19	N20	-22.949673	0	-62.75	0	
20	N21	-44.699673	0	-25.077895	0	
21	N22	-1.199673	0	-100.422105	0	
22	N23	-13.423394	-2.	-57.25	0	
23	N23A	0.	0	0.9295	0	
24	N24	43.673372	0	-74.7145	0	
25	N25	-43.673372	0	-74.7145	0	
26	N26	0.	-2.	-23.	0	
27	N27	22.949673	-2.	-62.75	0	
28	N28	-22.949673	-2.	-62.75	0	
29	N29	75.6099	0	0.9295	0	
30	N30	75.6099	0	3.9295	0	
31	N31	75.6099	42	3.9295	0	
32	N32	75.6099	-30	3.9295	0	
33	N33	51.61	0	0.9295	0	
34	N34	51.61	0	3.9295	0	
35	N35	51.61	69	3.9295	0	
36	N36	51.61	-27	3.9295	0	
37	N37	0.61	0	0.9295	0	
38	N38	0.61	0	3.9295	0	
39	N39	0.61	42	3.9295	0	
40	N40	0.61	-30	3.9295	0	
41	N41	-50.89	0	0.9295	0	
42	N42	-50.89	0	3.9295	0	
43	N43	-50.89	69	3.9295	0	
44	N44	-50.89	-27	3.9295	0	
45	N45	-74.89	0	0.9295	0	
46	N46	-74.89	0	3.9295	0	
47	N47	-74.89	42	3.9295	0	
48	N48	-74.89	-30	3.9295	0	
49	N56	5.868278	0	-140.194844	0	
50	N57	8.466354	0	-141.694844	0	
51	N58	8.466354	42	-141.694844	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
52	N59	8.466354	-30	-141.694844	0	
53	N60	17.868228	0	-119.410321	0	
54	N61	20.466304	0	-120.910321	0	
55	N62	20.466304	69	-120.910321	0	
56	N63	20.466304	-27	-120.910321	0	
57	N64	43.368228	0	-75.243025	0	
58	N65	45.966304	0	-76.743025	0	
59	N66	45.966304	42	-76.743025	0	
60	N67	45.966304	-30	-76.743025	0	
61	N68	69.118228	0	-30.642717	0	
62	N69	71.716304	0	-32.142717	0	
63	N70	71.716304	69	-32.142717	0	
64	N71	71.716304	-27	-32.142717	0	
65	N72	81.118228	0	-9.858108	0	
66	N73	83.716304	0	-11.358108	0	
67	N74	83.716304	42	-11.358108	0	
68	N75	83.716304	-30	-11.358108	0	
69	N77	-81.478178	0	-9.234656	0	
70	N78	-84.076254	0	-10.734656	0	
71	N79	-84.076254	42	-10.734656	0	
72	N80	-84.076254	-30	-10.734656	0	
73	N81	-69.478228	0	-30.019179	0	
74	N82	-72.076304	0	-31.519179	0	
75	N83	-72.076304	69	-31.519179	0	
76	N84	-72.076304	-27	-31.519179	0	
77	N85	-43.978228	0	-74.186475	0	
78	N86	-46.576304	0	-75.686475	0	
79	N87	-46.576304	42	-75.686475	0	
80	N88	-46.576304	-30	-75.686475	0	
81	N89	-18.228228	0	-118.786783	0	
82	N90	-20.826304	0	-120.286783	0	
83	N91A	-20.826304	69	-120.286783	0	
84	N92	-20.826304	-27	-120.286783	0	
85	N93A	-6.228228	0	-139.571392	0	
86	N94A	-8.826304	0	-141.071392	0	
87	N95A	-8.826304	42	-141.071392	0	
88	N96	-8.826304	-30	-141.071392	0	
89	N95B	79.999941	36	0.9295	0	
90	N96A	-79.999941	36	0.9295	0	
91	N97	75.6099	36	0.9295	0	
92	N98	75.6099	36	3.9295	0	
93	N99	51.61	36	0.9295	0	
94	N100	51.61	36	3.9295	0	
95	N101	0.61	36	0.9295	0	
96	N102	0.61	36	3.9295	0	
97	N103	-50.89	36	0.9295	0	
98	N104	-50.89	36	3.9295	0	
99	N105	-74.89	36	0.9295	0	
100	N106	-74.89	36	3.9295	0	
101	N110	5.868278	36	-140.194844	0	
102	N111	8.466354	36	-141.694844	0	
103	N112	17.868228	36	-119.410321	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
104	N113	20.466304	36	-120.910321	0	
105	N114	43.368228	36	-75.243025	0	
106	N115	45.966304	36	-76.743025	0	
107	N116	69.118228	36	-30.642717	0	
108	N117	71.716304	36	-32.142717	0	
109	N118	81.118228	36	-9.858108	0	
110	N119	83.716304	36	-11.358108	0	
111	N123	-81.478178	36	-9.234656	0	
112	N124	-84.076254	36	-10.734656	0	
113	N125	-69.478228	36	-30.019179	0	
114	N126	-72.076304	36	-31.519179	0	
115	N127	-43.978228	36	-74.186475	0	
116	N128	-46.576304	36	-75.686475	0	
117	N129	-18.228228	36	-118.786783	0	
118	N130	-20.826304	36	-120.286783	0	
119	N131	-6.228228	36	-139.571392	0	
120	N132	-8.826304	36	-141.071392	0	
121	N128A	3.673257	36	-143.996731	0	
122	N129A	83.673199	36	-5.432769	0	
123	N131A	-83.673199	36	-5.432769	0	
124	N132A	-3.673257	36	-143.996731	0	
125	N131B	-67.999941	36	0.9295	0	
126	N132B	67.999941	36	0.9295	0	
127	N133	-67.999941	36	-1.5705	0	
128	N134	67.999941	36	-1.5705	0	
129	N136	77.673199	36	-15.825073	0	
130	N137	9.673257	36	-133.604427	0	
131	N138	75.508135	36	-14.575073	0	
132	N139	7.508194	36	-132.354427	0	
133	N141	-9.673257	36	-133.604427	0	
134	N142	-77.673199	36	-15.825073	0	
135	N143	-7.508194	36	-132.354427	0	
136	N144	-75.508135	36	-14.575073	0	
137	N143A	0.	26.	-34.	0	
138	N144A	0	36	0.9295	0	
139	N145	38.	36	0.9295	0	
140	N146	-38.	36	0.9295	0	
141	N148	13.423394	26.	-57.25	0	
142	N149	24.673228	36	-107.623715	0	
143	N150	62.673228	36	-41.805785	0	
144	N152	-13.423394	26.	-57.25	0	
145	N153	-62.673228	36	-41.805785	0	
146	N154	-24.673228	36	-107.623715	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rul...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Standoff HSS Back	HSS4X4X3	Beam	Tube	A500 Gr. B...	Typical	2.58	6.21	6.21	10
2	Platform Angle	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
3	Mod Support Rail An...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
4	Mod Support Angle	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical	.901	.535	.535	.011

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Design Rul...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
5	Mounp Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
6	Standoff HSS Front	HSS4.5X4....	Beam	Tube	A500 Gr. B...	Typical	2.93	9.02	9.02	14.4
7	Dual Antenna MP	PIPE_2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
8	Mod Support Rail	PIPE_2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
9	HR7	PIPE_2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N2		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
2	M2	N2	N5		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
3	M3	N5	N6		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
4	M4	N6	N3		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
5	M5	N7	N26			Standoff HSS ...	Beam	Tube	A500 Gr. ...	Typical
6	M6	N11	N10		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
7	M7	N10	N13		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
8	M8	N13	N14		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
9	M9	N14	N11		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
10	M10	N15	N27			Standoff HSS ...	Beam	Tube	A500 Gr. ...	Typical
11	M11	N19	N18		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
12	M12	N18	N21		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
13	M13	N21	N22		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
14	M14	N22	N19		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
15	M15	N23	N28			Standoff HSS ...	Beam	Tube	A500 Gr. ...	Typical
16	M16	N10	N19			RIGID	None	None	RIGID	Typical
17	M17	N13	N22			RIGID	None	None	RIGID	Typical
18	M18	N14	N5			RIGID	None	None	RIGID	Typical
19	M19	N11	N2			RIGID	None	None	RIGID	Typical
20	M20	N6	N21			RIGID	None	None	RIGID	Typical
21	M21	N3	N18			RIGID	None	None	RIGID	Typical
22	M22	N23A	N1			RIGID	None	None	RIGID	Typical
23	M23	N4	N26			RIGID	None	None	RIGID	Typical
24	M24	N20	N28			RIGID	None	None	RIGID	Typical
25	M25	N25	N17			RIGID	None	None	RIGID	Typical
26	M26	N12	N27			RIGID	None	None	RIGID	Typical
27	M27	N24	N9			RIGID	None	None	RIGID	Typical
28	M28	N29	N30			RIGID	None	None	RIGID	Typical
29	MP1A	N31	N32			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
30	M30	N33	N34			RIGID	None	None	RIGID	Typical
31	MP2A	N35	N36			Dual Antenna ...	Column	Pipe	A53 Gr. B	Typical
32	M32	N37	N38			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
33	MP3A	N39	N40			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
34	M34	N41	N42			RIGID	None	None	RIGID	Typical
35	MP4A	N43	N44			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
36	M36	N45	N46			RIGID	None	None	RIGID	Typical
37	MP5A	N47	N48			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
38	M62	N26	N1			Standoff HSS ...	Beam	Tube	A500 Gr. ...	Typical
39	M63	N27	N9			Standoff HSS ...	Beam	Tube	A500 Gr. ...	Typical
40	M64	N28	N17			Standoff HSS ...	Beam	Tube	A500 Gr. ...	Typical
41	M45	N56	N57			RIGID	None	None	RIGID	Typical
42	MP1C	N58	N59			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
43	M47	N60	N61			RIGID	None	None	RIGID	Typical
44	MP2C	N62	N63			Dual Antenna ...	Column	Pipe	A53 Gr. B	Typical
45	M49	N64	N65			RIGID	None	None	RIGID	Typical
46	MP3C	N66	N67			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
47	M51	N68	N69			RIGID	None	None	RIGID	Typical
48	MP4C	N70	N71			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
49	M53	N72	N73			RIGID	None	None	RIGID	Typical
50	MP5C	N74	N75			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
51	M55	N77	N78			RIGID	None	None	RIGID	Typical
52	MP1B	N79	N80			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
53	M57	N81	N82			RIGID	None	None	RIGID	Typical
54	MP2B	N83	N84			Dual Antenna ...	Column	Pipe	A53 Gr. B	Typical
55	M59A	N85	N86			RIGID	None	None	RIGID	Typical
56	MP3B	N87	N88			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
57	M61A	N89	N90			RIGID	None	None	RIGID	Typical
58	MP4B	N91A	N92			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
59	M63A	N93A	N94A			RIGID	None	None	RIGID	Typical
60	MP5B	N95A	N96			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
61	M65	N96A	N95B		270	Mod Support ...	Column	Pipe	A53 Gr. B	Typical
62	M66	N97	N98			RIGID	None	None	RIGID	Typical
63	M67	N99	N100			RIGID	None	None	RIGID	Typical
64	M68	N101	N102			RIGID	None	None	RIGID	Typical
65	M69	N103	N104			RIGID	None	None	RIGID	Typical
66	M70	N105	N106			RIGID	None	None	RIGID	Typical
67	M72	N110	N111			RIGID	None	None	RIGID	Typical
68	M73	N112	N113			RIGID	None	None	RIGID	Typical
69	M74	N114	N115			RIGID	None	None	RIGID	Typical
70	M75	N116	N117			RIGID	None	None	RIGID	Typical
71	M76	N118	N119			RIGID	None	None	RIGID	Typical
72	M78	N123	N124			RIGID	None	None	RIGID	Typical
73	M79	N125	N126			RIGID	None	None	RIGID	Typical
74	M80	N127	N128			RIGID	None	None	RIGID	Typical
75	M81	N129	N130			RIGID	None	None	RIGID	Typical
76	M82	N131	N132			RIGID	None	None	RIGID	Typical
77	M81A	N129A	N128A		270	Mod Support ...	Column	Pipe	A53 Gr. B	Typical
78	M82A	N132A	N131A		270	Mod Support ...	Column	Pipe	A53 Gr. B	Typical
79	M83	N131B	N133			RIGID	None	None	RIGID	Typical
80	M84	N132B	N134			RIGID	None	None	RIGID	Typical
81	M85	N136	N138			RIGID	None	None	RIGID	Typical
82	M86	N137	N139			RIGID	None	None	RIGID	Typical
83	M87	N141	N143			RIGID	None	None	RIGID	Typical
84	M88	N142	N144			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
85	M89	N133	N144		90	Mod Support ...	Beam	Single Angle	A36 Gr.36	Typical
86	M90	N138	N134		90	Mod Support ...	Beam	Single Angle	A36 Gr.36	Typical
87	M91	N143	N139		90	Mod Support ...	Beam	Single Angle	A36 Gr.36	Typical
88	M92	N143A	N146		180	Mod Support A...	Beam	Single Angle	A36 Gr.36	Typical
89	M93	N143A	N145		90	Mod Support A...	Beam	Single Angle	A36 Gr.36	Typical
90	M94	N148	N150		180	Mod Support A...	Beam	Single Angle	A36 Gr.36	Typical
91	M95	N148	N149		90	Mod Support A...	Beam	Single Angle	A36 Gr.36	Typical
92	M96	N152	N154		180	Mod Support A...	Beam	Single Angle	A36 Gr.36	Typical
93	M97	N152	N153		90	Mod Support A...	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				None
2	M2						Yes				None
3	M3						Yes				None
4	M4						Yes				None
5	M5						Yes				None
6	M6						Yes				None
7	M7						Yes				None
8	M8						Yes				None
9	M9						Yes				None
10	M10						Yes				None
11	M11						Yes				None
12	M12						Yes				None
13	M13						Yes				None
14	M14						Yes				None
15	M15						Yes				None
16	M16						Yes	** NA **			None
17	M17						Yes	** NA **			None
18	M18						Yes	** NA **			None
19	M19						Yes	** NA **			None
20	M20						Yes	** NA **			None
21	M21						Yes	** NA **			None
22	M22						Yes	** NA **			None
23	M23						Yes	** NA **			None
24	M24						Yes	** NA **			None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27						Yes	** NA **			None
28	M28						Yes	** NA **			None
29	MP1A						Yes	** NA **			None
30	M30		OOOXOO				Yes	** NA **			None
31	MP2A						Yes	** NA **			None
32	M32						Yes	** NA **			None
33	MP3A						Yes	** NA **			None
34	M34		OOOXOO				Yes	** NA **			None
35	MP4A						Yes	** NA **			None
36	M36						Yes	** NA **			None
37	MP5A						Yes	** NA **			None
38	M62						Yes				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 ...
39	M63						Yes				None
40	M64						Yes				None
41	M45						Yes	** NA **			None
42	MP1C						Yes	** NA **			None
43	M47		OOOXOO				Yes	** NA **			None
44	MP2C						Yes	** NA **			None
45	M49						Yes	** NA **			None
46	MP3C						Yes	** NA **			None
47	M51		OOOXOO				Yes	** NA **			None
48	MP4C						Yes	** NA **			None
49	M53						Yes	** NA **			None
50	MP5C						Yes	** NA **			None
51	M55						Yes	** NA **			None
52	MP1B						Yes	** NA **			None
53	M57		OOOXOO				Yes	** NA **			None
54	MP2B						Yes	** NA **			None
55	M59A						Yes	** NA **			None
56	MP3B						Yes	** NA **			None
57	M61A		OOOXOO				Yes	** NA **			None
58	MP4B						Yes	** NA **			None
59	M63A						Yes	** NA **			None
60	MP5B						Yes	** NA **			None
61	M65						Yes	** NA **			None
62	M66						Yes	** NA **			None
63	M67						Yes	** NA **			None
64	M68						Yes	** NA **			None
65	M69						Yes	** NA **			None
66	M70						Yes	** NA **			None
67	M72						Yes	** NA **			None
68	M73						Yes	** NA **			None
69	M74						Yes	** NA **			None
70	M75						Yes	** NA **			None
71	M76						Yes	** NA **			None
72	M78						Yes	** NA **			None
73	M79						Yes	** NA **			None
74	M80						Yes	** NA **			None
75	M81						Yes	** NA **			None
76	M82						Yes	** NA **			None
77	M81A						Yes	** NA **			None
78	M82A						Yes	** NA **			None
79	M83	OOOOOX					Yes	** NA **			None
80	M84	OOOOOX					Yes	** NA **			None
81	M85	OOOOOX					Yes	** NA **			None
82	M86	OOOOOX					Yes	** NA **			None
83	M87	OOOOOX					Yes	** NA **			None
84	M88	OOOOOX					Yes	** NA **			None
85	M89						Yes				None
86	M90						Yes				None
87	M91						Yes				None
88	M92	BenPIN	BenPIN				Yes				None
89	M93	BenPIN	BenPIN				Yes				None
90	M94	BenPIN	BenPIN				Yes				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 ...
91	M95	BenPIN	BenPIN				Yes				None
92	M96	BenPIN	BenPIN				Yes				None
93	M97	BenPIN	BenPIN				Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	Y	-43.55	18
2	MP5A	My	-.019	18
3	MP5A	Mz	.011	18
4	MP5A	Y	-43.55	42
5	MP5A	My	-.019	42
6	MP5A	Mz	.011	42
7	MP5B	Y	-43.55	18
8	MP5B	My	.009	18
9	MP5B	Mz	-.02	18
10	MP5B	Y	-43.55	42
11	MP5B	My	.009	42
12	MP5B	Mz	-.02	42
13	MP5C	Y	-43.55	18
14	MP5C	My	.017	18
15	MP5C	Mz	.014	18
16	MP5C	Y	-43.55	42
17	MP5C	My	.017	42
18	MP5C	Mz	.014	42
19	MP2A	Y	-84.4	18
20	MP2A	My	.037	18
21	MP2A	Mz	-.021	18
22	MP2B	Y	-84.4	18
23	MP2B	My	-.018	18
24	MP2B	Mz	.038	18
25	MP2C	Y	-84.4	18
26	MP2C	My	-.032	18
27	MP2C	Mz	-.027	18
28	MP3A	Y	-70.3	18
29	MP3A	My	.03	18
30	MP3A	Mz	-.018	18
31	MP3B	Y	-70.3	18
32	MP3B	My	-.015	18
33	MP3B	Mz	.032	18
34	MP3C	Y	-70.3	18
35	MP3C	My	-.027	18
36	MP3C	Mz	-.023	18
37	MP1A	Y	-13.9	12
38	MP1A	My	-.006	12
39	MP1A	Mz	.003	12
40	MP1A	Y	-13.9	48
41	MP1A	My	-.006	48
42	MP1A	Mz	.003	48
43	MP1B	Y	-13.9	12
44	MP1B	My	.003	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
45	MP1B	Mz	-.006	12
46	MP1B	Y	-13.9	48
47	MP1B	My	.003	48
48	MP1B	Mz	-.006	48
49	MP1C	Y	-13.9	12
50	MP1C	My	.005	12
51	MP1C	Mz	.004	12
52	MP1C	Y	-13.9	48
53	MP1C	My	.005	48
54	MP1C	Mz	.004	48
55	MP2A	Y	-20	6
56	MP2A	My	-.004	6
57	MP2A	Mz	.014	6
58	MP2A	Y	-20	54
59	MP2A	My	-.004	54
60	MP2A	Mz	.014	54
61	MP2B	Y	-20	6
62	MP2B	My	-.005	6
63	MP2B	Mz	-.013	6
64	MP2B	Y	-20	54
65	MP2B	My	-.005	54
66	MP2B	Mz	-.013	54
67	MP2C	Y	-20	6
68	MP2C	My	.014	6
69	MP2C	Mz	-.001	6
70	MP2C	Y	-20	54
71	MP2C	My	.014	54
72	MP2C	Mz	-.001	54
73	MP2A	Y	-20	6
74	MP2A	My	-.014	6
75	MP2A	Mz	-.004	6
76	MP2A	Y	-20	54
77	MP2A	My	-.014	54
78	MP2A	Mz	-.004	54
79	MP2B	Y	-20	6
80	MP2B	My	.013	6
81	MP2B	Mz	-.005	6
82	MP2B	Y	-20	54
83	MP2B	My	.013	54
84	MP2B	Mz	-.005	54
85	MP2C	Y	-20	6
86	MP2C	My	.001	6
87	MP2C	Mz	.014	6
88	MP2C	Y	-20	54
89	MP2C	My	.001	54
90	MP2C	Mz	.014	54

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	Y	-55.103	18
2	MP5A	My	-.024	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
3	MP5A	Mz	.014	18
4	MP5A	Y	-55.103	42
5	MP5A	My	-.024	42
6	MP5A	Mz	.014	42
7	MP5B	Y	-55.103	18
8	MP5B	My	.012	18
9	MP5B	Mz	-.025	18
10	MP5B	Y	-55.103	42
11	MP5B	My	.012	42
12	MP5B	Mz	-.025	42
13	MP5C	Y	-55.103	18
14	MP5C	My	.021	18
15	MP5C	Mz	.018	18
16	MP5C	Y	-55.103	42
17	MP5C	My	.021	42
18	MP5C	Mz	.018	42
19	MP2A	Y	-70	18
20	MP2A	My	.03	18
21	MP2A	Mz	-.018	18
22	MP2B	Y	-70	18
23	MP2B	My	-.015	18
24	MP2B	Mz	.032	18
25	MP2C	Y	-70	18
26	MP2C	My	-.027	18
27	MP2C	Mz	-.022	18
28	MP3A	Y	-63.185	18
29	MP3A	My	.027	18
30	MP3A	Mz	-.016	18
31	MP3B	Y	-63.185	18
32	MP3B	My	-.013	18
33	MP3B	Mz	.029	18
34	MP3C	Y	-63.185	18
35	MP3C	My	-.024	18
36	MP3C	Mz	-.02	18
37	MP1A	Y	-65.427	12
38	MP1A	My	-.028	12
39	MP1A	Mz	.016	12
40	MP1A	Y	-65.427	48
41	MP1A	My	-.028	48
42	MP1A	Mz	.016	48
43	MP1B	Y	-65.427	12
44	MP1B	My	.014	12
45	MP1B	Mz	-.03	12
46	MP1B	Y	-65.427	48
47	MP1B	My	.014	48
48	MP1B	Mz	-.03	48
49	MP1C	Y	-65.427	12
50	MP1C	My	.025	12
51	MP1C	Mz	.021	12
52	MP1C	Y	-65.427	48
53	MP1C	My	.025	48
54	MP1C	Mz	.021	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
55	MP2A	Y	-94.089	6
56	MP2A	My	-.017	6
57	MP2A	Mz	.064	6
58	MP2A	Y	-94.089	54
59	MP2A	My	-.017	54
60	MP2A	Mz	.064	54
61	MP2B	Y	-94.089	6
62	MP2B	My	-.023	6
63	MP2B	Mz	-.063	6
64	MP2B	Y	-94.089	54
65	MP2B	My	-.023	54
66	MP2B	Mz	-.063	54
67	MP2C	Y	-94.089	6
68	MP2C	My	.066	6
69	MP2C	Mz	-.006	6
70	MP2C	Y	-94.089	54
71	MP2C	My	.066	54
72	MP2C	Mz	-.006	54
73	MP2A	Y	-94.089	6
74	MP2A	My	-.064	6
75	MP2A	Mz	-.017	6
76	MP2A	Y	-94.089	54
77	MP2A	My	-.064	54
78	MP2A	Mz	-.017	54
79	MP2B	Y	-94.089	6
80	MP2B	My	.063	6
81	MP2B	Mz	-.023	6
82	MP2B	Y	-94.089	54
83	MP2B	My	.063	54
84	MP2B	Mz	-.023	54
85	MP2C	Y	-94.089	6
86	MP2C	My	.006	6
87	MP2C	Mz	.066	6
88	MP2C	Y	-94.089	54
89	MP2C	My	.006	54
90	MP2C	Mz	.066	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	0	18
2	MP5A	Z	-78.074	18
3	MP5A	Mx	-.02	18
4	MP5A	X	0	42
5	MP5A	Z	-78.074	42
6	MP5A	Mx	-.02	42
7	MP5B	X	0	18
8	MP5B	Z	-46.058	18
9	MP5B	Mx	.021	18
10	MP5B	X	0	42
11	MP5B	Z	-46.058	42
12	MP5B	Mx	.021	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
13	MP5C	X	0	18
14	MP5C	Z	-68.931	18
15	MP5C	Mx	-.022	18
16	MP5C	X	0	42
17	MP5C	Z	-68.931	42
18	MP5C	Mx	-.022	42
19	MP2A	X	0	18
20	MP2A	Z	-67.2	18
21	MP2A	Mx	.017	18
22	MP2B	X	0	18
23	MP2B	Z	-53.319	18
24	MP2B	Mx	-.024	18
25	MP2C	X	0	18
26	MP2C	Z	-63.236	18
27	MP2C	Mx	.02	18
28	MP3A	X	0	18
29	MP3A	Z	-64.874	18
30	MP3A	Mx	.016	18
31	MP3B	X	0	18
32	MP3B	Z	-45.675	18
33	MP3B	Mx	-.021	18
34	MP3C	X	0	18
35	MP3C	Z	-59.391	18
36	MP3C	Mx	.019	18
37	MP1A	X	0	12
38	MP1A	Z	-91.102	12
39	MP1A	Mx	-.023	12
40	MP1A	X	0	48
41	MP1A	Z	-91.102	48
42	MP1A	Mx	-.023	48
43	MP1B	X	0	12
44	MP1B	Z	-71.398	12
45	MP1B	Mx	.032	12
46	MP1B	X	0	48
47	MP1B	Z	-71.398	48
48	MP1B	Mx	.032	48
49	MP1C	X	0	12
50	MP1C	Z	-85.475	12
51	MP1C	Mx	-.027	12
52	MP1C	X	0	48
53	MP1C	Z	-85.475	48
54	MP1C	Mx	-.027	48
55	MP2A	X	0	6
56	MP2A	Z	-146.334	6
57	MP2A	Mx	-.1	6
58	MP2A	X	0	54
59	MP2A	Z	-146.334	54
60	MP2A	Mx	-.1	54
61	MP2B	X	0	6
62	MP2B	Z	-115.394	6
63	MP2B	Mx	.077	6
64	MP2B	X	0	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
65	MP2B	Z	-115.394	54
66	MP2B	Mx	.077	54
67	MP2C	X	0	6
68	MP2C	Z	-137.498	6
69	MP2C	Mx	.008	6
70	MP2C	X	0	54
71	MP2C	Z	-137.498	54
72	MP2C	Mx	.008	54
73	MP2A	X	0	6
74	MP2A	Z	-146.334	6
75	MP2A	Mx	.027	6
76	MP2A	X	0	54
77	MP2A	Z	-146.334	54
78	MP2A	Mx	.027	54
79	MP2B	X	0	6
80	MP2B	Z	-115.394	6
81	MP2B	Mx	.028	6
82	MP2B	X	0	54
83	MP2B	Z	-115.394	54
84	MP2B	Mx	.028	54
85	MP2C	X	0	6
86	MP2C	Z	-137.498	6
87	MP2C	Mx	-.097	6
88	MP2C	X	0	54
89	MP2C	Z	-137.498	54
90	MP2C	Mx	-.097	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	25.029	18
2	MP5A	Z	-43.352	18
3	MP5A	Mx	-.022	18
4	MP5A	X	25.029	42
5	MP5A	Z	-43.352	42
6	MP5A	Mx	-.022	42
7	MP5B	X	18.238	18
8	MP5B	Z	-31.589	18
9	MP5B	Mx	.018	18
10	MP5B	X	18.238	42
11	MP5B	Z	-31.589	42
12	MP5B	Mx	.018	42
13	MP5C	X	45.196	18
14	MP5C	Z	-78.282	18
15	MP5C	Mx	-.008	18
16	MP5C	X	45.196	42
17	MP5C	Z	-78.282	42
18	MP5C	Mx	-.008	42
19	MP2A	X	27.527	18
20	MP2A	Z	-47.678	18
21	MP2A	Mx	.024	18
22	MP2B	X	24.582	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
23	MP2B	Z	-42.578	18
24	MP2B	Mx	-.024	18
25	MP2C	X	36.271	18
26	MP2C	Z	-62.823	18
27	MP2C	Mx	.006	18
28	MP3A	X	24.037	18
29	MP3A	Z	-41.633	18
30	MP3A	Mx	.021	18
31	MP3B	X	19.964	18
32	MP3B	Z	-34.579	18
33	MP3B	Mx	-.02	18
34	MP3C	X	36.13	18
35	MP3C	Z	-62.58	18
36	MP3C	Mx	.006	18
37	MP1A	X	36.93	12
38	MP1A	Z	-63.965	12
39	MP1A	Mx	-.032	12
40	MP1A	X	36.93	48
41	MP1A	Z	-63.965	48
42	MP1A	Mx	-.032	48
43	MP1B	X	32.75	12
44	MP1B	Z	-56.725	12
45	MP1B	Mx	.033	12
46	MP1B	X	32.75	48
47	MP1B	Z	-56.725	48
48	MP1B	Mx	.033	48
49	MP1C	X	49.342	12
50	MP1C	Z	-85.462	12
51	MP1C	Mx	-.009	12
52	MP1C	X	49.342	48
53	MP1C	Z	-85.462	48
54	MP1C	Mx	-.009	48
55	MP2A	X	59.63	6
56	MP2A	Z	-103.282	6
57	MP2A	Mx	-.081	6
58	MP2A	X	59.63	54
59	MP2A	Z	-103.282	54
60	MP2A	Mx	-.081	54
61	MP2B	X	53.067	6
62	MP2B	Z	-91.915	6
63	MP2B	Mx	.048	6
64	MP2B	X	53.067	54
65	MP2B	Z	-91.915	54
66	MP2B	Mx	.048	54
67	MP2C	X	79.119	6
68	MP2C	Z	-137.038	6
69	MP2C	Mx	.064	6
70	MP2C	X	79.119	54
71	MP2C	Z	-137.038	54
72	MP2C	Mx	.064	54
73	MP2A	X	59.63	6
74	MP2A	Z	-103.282	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
75	MP2A	Mx	-.022	6
76	MP2A	X	59.63	54
77	MP2A	Z	-103.282	54
78	MP2A	Mx	-.022	54
79	MP2B	X	53.067	6
80	MP2B	Z	-91.915	6
81	MP2B	Mx	.057	6
82	MP2B	X	53.067	54
83	MP2B	Z	-91.915	54
84	MP2B	Mx	.057	54
85	MP2C	X	79.119	6
86	MP2C	Z	-137.038	6
87	MP2C	Mx	-.092	6
88	MP2C	X	79.119	54
89	MP2C	Z	-137.038	54
90	MP2C	Mx	-.092	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	31.22	18
2	MP5A	Z	-18.025	18
3	MP5A	Mx	-.018	18
4	MP5A	X	31.22	42
5	MP5A	Z	-18.025	42
6	MP5A	Mx	-.018	42
7	MP5B	X	47.185	18
8	MP5B	Z	-27.242	18
9	MP5B	Mx	.022	18
10	MP5B	X	47.185	42
11	MP5B	Z	-27.242	42
12	MP5B	Mx	.022	42
13	MP5C	X	74.069	18
14	MP5C	Z	-42.764	18
15	MP5C	Mx	.015	18
16	MP5C	X	74.069	42
17	MP5C	Z	-42.764	42
18	MP5C	Mx	.015	42
19	MP2A	X	42.418	18
20	MP2A	Z	-24.49	18
21	MP2A	Mx	.024	18
22	MP2B	X	49.34	18
23	MP2B	Z	-28.486	18
24	MP2B	Mx	-.023	18
25	MP2C	X	60.996	18
26	MP2C	Z	-35.216	18
27	MP2C	Mx	-.012	18
28	MP3A	X	34.358	18
29	MP3A	Z	-19.837	18
30	MP3A	Mx	.02	18
31	MP3B	X	43.932	18
32	MP3B	Z	-25.364	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP3B	Mx	-.021	18
34	MP3C	X	60.053	18
35	MP3C	Z	-34.672	18
36	MP3C	Mx	-.012	18
37	MP1A	X	56.499	12
38	MP1A	Z	-32.619	12
39	MP1A	Mx	-.033	12
40	MP1A	X	56.499	48
41	MP1A	Z	-32.619	48
42	MP1A	Mx	-.033	48
43	MP1B	X	66.324	12
44	MP1B	Z	-38.292	12
45	MP1B	Mx	.031	12
46	MP1B	X	66.324	48
47	MP1B	Z	-38.292	48
48	MP1B	Mx	.031	48
49	MP1C	X	82.869	12
50	MP1C	Z	-47.845	12
51	MP1C	Mx	.016	12
52	MP1C	X	82.869	48
53	MP1C	Z	-47.845	48
54	MP1C	Mx	.016	48
55	MP2A	X	91.559	6
56	MP2A	Z	-52.862	6
57	MP2A	Mx	-.053	6
58	MP2A	X	91.559	54
59	MP2A	Z	-52.862	54
60	MP2A	Mx	-.053	54
61	MP2B	X	106.986	6
62	MP2B	Z	-61.769	6
63	MP2B	Mx	.015	6
64	MP2B	X	106.986	54
65	MP2B	Z	-61.769	54
66	MP2B	Mx	.015	54
67	MP2C	X	132.966	6
68	MP2C	Z	-76.768	6
69	MP2C	Mx	.098	6
70	MP2C	X	132.966	54
71	MP2C	Z	-76.768	54
72	MP2C	Mx	.098	54
73	MP2A	X	91.559	6
74	MP2A	Z	-52.862	6
75	MP2A	Mx	-.053	6
76	MP2A	X	91.559	54
77	MP2A	Z	-52.862	54
78	MP2A	Mx	-.053	54
79	MP2B	X	106.986	6
80	MP2B	Z	-61.769	6
81	MP2B	Mx	.086	6
82	MP2B	X	106.986	54
83	MP2B	Z	-61.769	54
84	MP2B	Mx	.086	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
85	MP2C	X	132.966	6
86	MP2C	Z	-76.768	6
87	MP2C	Mx	-.046	6
88	MP2C	X	132.966	54
89	MP2C	Z	-76.768	54
90	MP2C	Mx	-.046	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	50.058	18
2	MP5A	Z	0	18
3	MP5A	Mx	-.022	18
4	MP5A	X	50.058	42
5	MP5A	Z	0	42
6	MP5A	Mx	-.022	42
7	MP5B	X	82.075	18
8	MP5B	Z	0	18
9	MP5B	Mx	.017	18
10	MP5B	X	82.075	42
11	MP5B	Z	0	42
12	MP5B	Mx	.017	42
13	MP5C	X	59.201	18
14	MP5C	Z	0	18
15	MP5C	Mx	.023	18
16	MP5C	X	59.201	42
17	MP5C	Z	0	42
18	MP5C	Mx	.023	42
19	MP2A	X	55.053	18
20	MP2A	Z	0	18
21	MP2A	Mx	.024	18
22	MP2B	X	68.935	18
23	MP2B	Z	0	18
24	MP2B	Mx	-.015	18
25	MP2C	X	59.018	18
26	MP2C	Z	0	18
27	MP2C	Mx	-.023	18
28	MP3A	X	48.074	18
29	MP3A	Z	0	18
30	MP3A	Mx	.021	18
31	MP3B	X	67.273	18
32	MP3B	Z	0	18
33	MP3B	Mx	-.014	18
34	MP3C	X	53.557	18
35	MP3C	Z	0	18
36	MP3C	Mx	-.021	18
37	MP1A	X	73.86	12
38	MP1A	Z	0	12
39	MP1A	Mx	-.032	12
40	MP1A	X	73.86	48
41	MP1A	Z	0	48
42	MP1A	Mx	-.032	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
43	MP1B	X	93.564	12
44	MP1B	Z	0	12
45	MP1B	Mx	.02	12
46	MP1B	X	93.564	48
47	MP1B	Z	0	48
48	MP1B	Mx	.02	48
49	MP1C	X	79.487	12
50	MP1C	Z	0	12
51	MP1C	Mx	.03	12
52	MP1C	X	79.487	48
53	MP1C	Z	0	48
54	MP1C	Mx	.03	48
55	MP2A	X	119.26	6
56	MP2A	Z	0	6
57	MP2A	Mx	-.022	6
58	MP2A	X	119.26	54
59	MP2A	Z	0	54
60	MP2A	Mx	-.022	54
61	MP2B	X	150.199	6
62	MP2B	Z	0	6
63	MP2B	Mx	-.036	6
64	MP2B	X	150.199	54
65	MP2B	Z	0	54
66	MP2B	Mx	-.036	54
67	MP2C	X	128.096	6
68	MP2C	Z	0	6
69	MP2C	Mx	.09	6
70	MP2C	X	128.096	54
71	MP2C	Z	0	54
72	MP2C	Mx	.09	54
73	MP2A	X	119.26	6
74	MP2A	Z	0	6
75	MP2A	Mx	-.081	6
76	MP2A	X	119.26	54
77	MP2A	Z	0	54
78	MP2A	Mx	-.081	54
79	MP2B	X	150.199	6
80	MP2B	Z	0	6
81	MP2B	Mx	.1	6
82	MP2B	X	150.199	54
83	MP2B	Z	0	54
84	MP2B	Mx	.1	54
85	MP2C	X	128.096	6
86	MP2C	Z	0	6
87	MP2C	Mx	.008	6
88	MP2C	X	128.096	54
89	MP2C	Z	0	54
90	MP2C	Mx	.008	54

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	67.614	18
2	MP5A	Z	39.037	18
3	MP5A	Mx	-.02	18
4	MP5A	X	67.614	42
5	MP5A	Z	39.037	42
6	MP5A	Mx	-.02	42
7	MP5B	X	79.377	18
8	MP5B	Z	45.828	18
9	MP5B	Mx	-.004	18
10	MP5B	X	79.377	42
11	MP5B	Z	45.828	42
12	MP5B	Mx	-.004	42
13	MP5C	X	32.683	18
14	MP5C	Z	18.87	18
15	MP5C	Mx	.019	18
16	MP5C	X	32.683	42
17	MP5C	Z	18.87	42
18	MP5C	Mx	.019	42
19	MP2A	X	58.197	18
20	MP2A	Z	33.6	18
21	MP2A	Mx	.017	18
22	MP2B	X	63.297	18
23	MP2B	Z	36.545	18
24	MP2B	Mx	.003	18
25	MP2C	X	43.052	18
26	MP2C	Z	24.856	18
27	MP2C	Mx	-.024	18
28	MP3A	X	56.182	18
29	MP3A	Z	32.437	18
30	MP3A	Mx	.016	18
31	MP3B	X	63.236	18
32	MP3B	Z	36.509	18
33	MP3B	Mx	.003	18
34	MP3C	X	35.236	18
35	MP3C	Z	20.343	18
36	MP3C	Mx	-.02	18
37	MP1A	X	78.897	12
38	MP1A	Z	45.551	12
39	MP1A	Mx	-.023	12
40	MP1A	X	78.897	48
41	MP1A	Z	45.551	48
42	MP1A	Mx	-.023	48
43	MP1B	X	86.136	12
44	MP1B	Z	49.731	12
45	MP1B	Mx	-.004	12
46	MP1B	X	86.136	48
47	MP1B	Z	49.731	48
48	MP1B	Mx	-.004	48
49	MP1C	X	57.399	12
50	MP1C	Z	33.139	12
51	MP1C	Mx	.033	12
52	MP1C	X	57.399	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP1C	Z	33.139	48
54	MP1C	Mx	.033	48
55	MP2A	X	126.729	6
56	MP2A	Z	73.167	6
57	MP2A	Mx	.027	6
58	MP2A	X	126.729	54
59	MP2A	Z	73.167	54
60	MP2A	Mx	.027	54
61	MP2B	X	138.096	6
62	MP2B	Z	79.73	6
63	MP2B	Mx	-.086	6
64	MP2B	X	138.096	54
65	MP2B	Z	79.73	54
66	MP2B	Mx	-.086	54
67	MP2C	X	92.973	6
68	MP2C	Z	53.678	6
69	MP2C	Mx	.062	6
70	MP2C	X	92.973	54
71	MP2C	Z	53.678	54
72	MP2C	Mx	.062	54
73	MP2A	X	126.729	6
74	MP2A	Z	73.167	6
75	MP2A	Mx	-.1	6
76	MP2A	X	126.729	54
77	MP2A	Z	73.167	54
78	MP2A	Mx	-.1	54
79	MP2B	X	138.096	6
80	MP2B	Z	79.73	6
81	MP2B	Mx	.072	6
82	MP2B	X	138.096	54
83	MP2B	Z	79.73	54
84	MP2B	Mx	.072	54
85	MP2C	X	92.973	6
86	MP2C	Z	53.678	6
87	MP2C	Mx	.044	6
88	MP2C	X	92.973	54
89	MP2C	Z	53.678	54
90	MP2C	Mx	.044	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	46.041	18
2	MP5A	Z	79.746	18
3	MP5A	Mx	0	18
4	MP5A	X	46.041	42
5	MP5A	Z	79.746	42
6	MP5A	Mx	0	42
7	MP5B	X	36.824	18
8	MP5B	Z	63.781	18
9	MP5B	Mx	-.021	18
10	MP5B	X	36.824	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	MP5B	Z	63.781	42
12	MP5B	Mx	-.021	42
13	MP5C	X	21.302	18
14	MP5C	Z	36.897	18
15	MP5C	Mx	.02	18
16	MP5C	X	21.302	42
17	MP5C	Z	36.897	42
18	MP5C	Mx	.02	42
19	MP2A	X	36.637	18
20	MP2A	Z	63.457	18
21	MP2A	Mx	0	18
22	MP2B	X	32.641	18
23	MP2B	Z	56.535	18
24	MP2B	Mx	.019	18
25	MP2C	X	25.911	18
26	MP2C	Z	44.879	18
27	MP2C	Mx	-.024	18
28	MP3A	X	36.637	18
29	MP3A	Z	63.457	18
30	MP3A	Mx	0	18
31	MP3B	X	31.11	18
32	MP3B	Z	53.884	18
33	MP3B	Mx	.018	18
34	MP3C	X	21.802	18
35	MP3C	Z	37.762	18
36	MP3C	Mx	-.02	18
37	MP1A	X	49.862	12
38	MP1A	Z	86.363	12
39	MP1A	Mx	0	12
40	MP1A	X	49.862	48
41	MP1A	Z	86.363	48
42	MP1A	Mx	0	48
43	MP1B	X	44.189	12
44	MP1B	Z	76.538	12
45	MP1B	Mx	-.025	12
46	MP1B	X	44.189	48
47	MP1B	Z	76.538	48
48	MP1B	Mx	-.025	48
49	MP1C	X	34.636	12
50	MP1C	Z	59.992	12
51	MP1C	Mx	.033	12
52	MP1C	X	34.636	48
53	MP1C	Z	59.992	48
54	MP1C	Mx	.033	48
55	MP2A	X	79.935	6
56	MP2A	Z	138.452	6
57	MP2A	Mx	.08	6
58	MP2A	X	79.935	54
59	MP2A	Z	138.452	54
60	MP2A	Mx	.08	54
61	MP2B	X	71.028	6
62	MP2B	Z	123.025	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
63	MP2B	Mx	-.099	6
64	MP2B	X	71.028	54
65	MP2B	Z	123.025	54
66	MP2B	Mx	-.099	54
67	MP2C	X	56.029	6
68	MP2C	Z	97.045	6
69	MP2C	Mx	.033	6
70	MP2C	X	56.029	54
71	MP2C	Z	97.045	54
72	MP2C	Mx	.033	54
73	MP2A	X	79.935	6
74	MP2A	Z	138.452	6
75	MP2A	Mx	-.08	6
76	MP2A	X	79.935	54
77	MP2A	Z	138.452	54
78	MP2A	Mx	-.08	54
79	MP2B	X	71.028	6
80	MP2B	Z	123.025	6
81	MP2B	Mx	.017	6
82	MP2B	X	71.028	54
83	MP2B	Z	123.025	54
84	MP2B	Mx	.017	54
85	MP2C	X	56.029	6
86	MP2C	Z	97.045	6
87	MP2C	Mx	.072	6
88	MP2C	X	56.029	54
89	MP2C	Z	97.045	54
90	MP2C	Mx	.072	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	0	18
2	MP5A	Z	78.074	18
3	MP5A	Mx	.02	18
4	MP5A	X	0	42
5	MP5A	Z	78.074	42
6	MP5A	Mx	.02	42
7	MP5B	X	0	18
8	MP5B	Z	46.058	18
9	MP5B	Mx	-.021	18
10	MP5B	X	0	42
11	MP5B	Z	46.058	42
12	MP5B	Mx	-.021	42
13	MP5C	X	0	18
14	MP5C	Z	68.931	18
15	MP5C	Mx	.022	18
16	MP5C	X	0	42
17	MP5C	Z	68.931	42
18	MP5C	Mx	.022	42
19	MP2A	X	0	18
20	MP2A	Z	67.2	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP2A	Mx	-.017	18
22	MP2B	X	0	18
23	MP2B	Z	53.319	18
24	MP2B	Mx	.024	18
25	MP2C	X	0	18
26	MP2C	Z	63.236	18
27	MP2C	Mx	-.02	18
28	MP3A	X	0	18
29	MP3A	Z	64.874	18
30	MP3A	Mx	-.016	18
31	MP3B	X	0	18
32	MP3B	Z	45.675	18
33	MP3B	Mx	.021	18
34	MP3C	X	0	18
35	MP3C	Z	59.391	18
36	MP3C	Mx	-.019	18
37	MP1A	X	0	12
38	MP1A	Z	91.102	12
39	MP1A	Mx	.023	12
40	MP1A	X	0	48
41	MP1A	Z	91.102	48
42	MP1A	Mx	.023	48
43	MP1B	X	0	12
44	MP1B	Z	71.398	12
45	MP1B	Mx	-.032	12
46	MP1B	X	0	48
47	MP1B	Z	71.398	48
48	MP1B	Mx	-.032	48
49	MP1C	X	0	12
50	MP1C	Z	85.475	12
51	MP1C	Mx	.027	12
52	MP1C	X	0	48
53	MP1C	Z	85.475	48
54	MP1C	Mx	.027	48
55	MP2A	X	0	6
56	MP2A	Z	146.334	6
57	MP2A	Mx	.1	6
58	MP2A	X	0	54
59	MP2A	Z	146.334	54
60	MP2A	Mx	.1	54
61	MP2B	X	0	6
62	MP2B	Z	115.394	6
63	MP2B	Mx	-.077	6
64	MP2B	X	0	54
65	MP2B	Z	115.394	54
66	MP2B	Mx	-.077	54
67	MP2C	X	0	6
68	MP2C	Z	137.498	6
69	MP2C	Mx	-.008	6
70	MP2C	X	0	54
71	MP2C	Z	137.498	54
72	MP2C	Mx	-.008	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
73	MP2A	X	0	6
74	MP2A	Z	146.334	6
75	MP2A	Mx	-.027	6
76	MP2A	X	0	54
77	MP2A	Z	146.334	54
78	MP2A	Mx	-.027	54
79	MP2B	X	0	6
80	MP2B	Z	115.394	6
81	MP2B	Mx	-.028	6
82	MP2B	X	0	54
83	MP2B	Z	115.394	54
84	MP2B	Mx	-.028	54
85	MP2C	X	0	6
86	MP2C	Z	137.498	6
87	MP2C	Mx	.097	6
88	MP2C	X	0	54
89	MP2C	Z	137.498	54
90	MP2C	Mx	.097	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	-25.029	18
2	MP5A	Z	43.352	18
3	MP5A	Mx	.022	18
4	MP5A	X	-25.029	42
5	MP5A	Z	43.352	42
6	MP5A	Mx	.022	42
7	MP5B	X	-18.238	18
8	MP5B	Z	31.589	18
9	MP5B	Mx	-.018	18
10	MP5B	X	-18.238	42
11	MP5B	Z	31.589	42
12	MP5B	Mx	-.018	42
13	MP5C	X	-45.196	18
14	MP5C	Z	78.282	18
15	MP5C	Mx	.008	18
16	MP5C	X	-45.196	42
17	MP5C	Z	78.282	42
18	MP5C	Mx	.008	42
19	MP2A	X	-27.527	18
20	MP2A	Z	47.678	18
21	MP2A	Mx	-.024	18
22	MP2B	X	-24.582	18
23	MP2B	Z	42.578	18
24	MP2B	Mx	.024	18
25	MP2C	X	-36.271	18
26	MP2C	Z	62.823	18
27	MP2C	Mx	-.006	18
28	MP3A	X	-24.037	18
29	MP3A	Z	41.633	18
30	MP3A	Mx	-.021	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
31	MP3B	X	-19.964	18
32	MP3B	Z	34.579	18
33	MP3B	Mx	.02	18
34	MP3C	X	-36.13	18
35	MP3C	Z	62.58	18
36	MP3C	Mx	-.006	18
37	MP1A	X	-36.93	12
38	MP1A	Z	63.965	12
39	MP1A	Mx	.032	12
40	MP1A	X	-36.93	48
41	MP1A	Z	63.965	48
42	MP1A	Mx	.032	48
43	MP1B	X	-32.75	12
44	MP1B	Z	56.725	12
45	MP1B	Mx	-.033	12
46	MP1B	X	-32.75	48
47	MP1B	Z	56.725	48
48	MP1B	Mx	-.033	48
49	MP1C	X	-49.342	12
50	MP1C	Z	85.462	12
51	MP1C	Mx	.009	12
52	MP1C	X	-49.342	48
53	MP1C	Z	85.462	48
54	MP1C	Mx	.009	48
55	MP2A	X	-59.63	6
56	MP2A	Z	103.282	6
57	MP2A	Mx	.081	6
58	MP2A	X	-59.63	54
59	MP2A	Z	103.282	54
60	MP2A	Mx	.081	54
61	MP2B	X	-53.067	6
62	MP2B	Z	91.915	6
63	MP2B	Mx	-.048	6
64	MP2B	X	-53.067	54
65	MP2B	Z	91.915	54
66	MP2B	Mx	-.048	54
67	MP2C	X	-79.119	6
68	MP2C	Z	137.038	6
69	MP2C	Mx	-.064	6
70	MP2C	X	-79.119	54
71	MP2C	Z	137.038	54
72	MP2C	Mx	-.064	54
73	MP2A	X	-59.63	6
74	MP2A	Z	103.282	6
75	MP2A	Mx	.022	6
76	MP2A	X	-59.63	54
77	MP2A	Z	103.282	54
78	MP2A	Mx	.022	54
79	MP2B	X	-53.067	6
80	MP2B	Z	91.915	6
81	MP2B	Mx	-.057	6
82	MP2B	X	-53.067	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
83	MP2B	Z	91.915	54
84	MP2B	Mx	-.057	54
85	MP2C	X	-79.119	6
86	MP2C	Z	137.038	6
87	MP2C	Mx	.092	6
88	MP2C	X	-79.119	54
89	MP2C	Z	137.038	54
90	MP2C	Mx	.092	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	-31.22	18
2	MP5A	Z	18.025	18
3	MP5A	Mx	.018	18
4	MP5A	X	-31.22	42
5	MP5A	Z	18.025	42
6	MP5A	Mx	.018	42
7	MP5B	X	-47.185	18
8	MP5B	Z	27.242	18
9	MP5B	Mx	-.022	18
10	MP5B	X	-47.185	42
11	MP5B	Z	27.242	42
12	MP5B	Mx	-.022	42
13	MP5C	X	-74.069	18
14	MP5C	Z	42.764	18
15	MP5C	Mx	-.015	18
16	MP5C	X	-74.069	42
17	MP5C	Z	42.764	42
18	MP5C	Mx	-.015	42
19	MP2A	X	-42.418	18
20	MP2A	Z	24.49	18
21	MP2A	Mx	-.024	18
22	MP2B	X	-49.34	18
23	MP2B	Z	28.486	18
24	MP2B	Mx	.023	18
25	MP2C	X	-60.996	18
26	MP2C	Z	35.216	18
27	MP2C	Mx	.012	18
28	MP3A	X	-34.358	18
29	MP3A	Z	19.837	18
30	MP3A	Mx	-.02	18
31	MP3B	X	-43.932	18
32	MP3B	Z	25.364	18
33	MP3B	Mx	.021	18
34	MP3C	X	-60.053	18
35	MP3C	Z	34.672	18
36	MP3C	Mx	.012	18
37	MP1A	X	-56.499	12
38	MP1A	Z	32.619	12
39	MP1A	Mx	.033	12
40	MP1A	X	-56.499	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP1A	Z	32.619	48
42	MP1A	Mx	.033	48
43	MP1B	X	-66.324	12
44	MP1B	Z	38.292	12
45	MP1B	Mx	-.031	12
46	MP1B	X	-66.324	48
47	MP1B	Z	38.292	48
48	MP1B	Mx	-.031	48
49	MP1C	X	-82.869	12
50	MP1C	Z	47.845	12
51	MP1C	Mx	-.016	12
52	MP1C	X	-82.869	48
53	MP1C	Z	47.845	48
54	MP1C	Mx	-.016	48
55	MP2A	X	-91.559	6
56	MP2A	Z	52.862	6
57	MP2A	Mx	.053	6
58	MP2A	X	-91.559	54
59	MP2A	Z	52.862	54
60	MP2A	Mx	.053	54
61	MP2B	X	-106.986	6
62	MP2B	Z	61.769	6
63	MP2B	Mx	-.015	6
64	MP2B	X	-106.986	54
65	MP2B	Z	61.769	54
66	MP2B	Mx	-.015	54
67	MP2C	X	-132.966	6
68	MP2C	Z	76.768	6
69	MP2C	Mx	-.098	6
70	MP2C	X	-132.966	54
71	MP2C	Z	76.768	54
72	MP2C	Mx	-.098	54
73	MP2A	X	-91.559	6
74	MP2A	Z	52.862	6
75	MP2A	Mx	.053	6
76	MP2A	X	-91.559	54
77	MP2A	Z	52.862	54
78	MP2A	Mx	.053	54
79	MP2B	X	-106.986	6
80	MP2B	Z	61.769	6
81	MP2B	Mx	-.086	6
82	MP2B	X	-106.986	54
83	MP2B	Z	61.769	54
84	MP2B	Mx	-.086	54
85	MP2C	X	-132.966	6
86	MP2C	Z	76.768	6
87	MP2C	Mx	.046	6
88	MP2C	X	-132.966	54
89	MP2C	Z	76.768	54
90	MP2C	Mx	.046	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	-50.058	18
2	MP5A	Z	0	18
3	MP5A	Mx	.022	18
4	MP5A	X	-50.058	42
5	MP5A	Z	0	42
6	MP5A	Mx	.022	42
7	MP5B	X	-82.075	18
8	MP5B	Z	0	18
9	MP5B	Mx	-.017	18
10	MP5B	X	-82.075	42
11	MP5B	Z	0	42
12	MP5B	Mx	-.017	42
13	MP5C	X	-59.201	18
14	MP5C	Z	0	18
15	MP5C	Mx	-.023	18
16	MP5C	X	-59.201	42
17	MP5C	Z	0	42
18	MP5C	Mx	-.023	42
19	MP2A	X	-55.053	18
20	MP2A	Z	0	18
21	MP2A	Mx	-.024	18
22	MP2B	X	-68.935	18
23	MP2B	Z	0	18
24	MP2B	Mx	.015	18
25	MP2C	X	-59.018	18
26	MP2C	Z	0	18
27	MP2C	Mx	.023	18
28	MP3A	X	-48.074	18
29	MP3A	Z	0	18
30	MP3A	Mx	-.021	18
31	MP3B	X	-67.273	18
32	MP3B	Z	0	18
33	MP3B	Mx	.014	18
34	MP3C	X	-53.557	18
35	MP3C	Z	0	18
36	MP3C	Mx	.021	18
37	MP1A	X	-73.86	12
38	MP1A	Z	0	12
39	MP1A	Mx	.032	12
40	MP1A	X	-73.86	48
41	MP1A	Z	0	48
42	MP1A	Mx	.032	48
43	MP1B	X	-93.564	12
44	MP1B	Z	0	12
45	MP1B	Mx	-.02	12
46	MP1B	X	-93.564	48
47	MP1B	Z	0	48
48	MP1B	Mx	-.02	48
49	MP1C	X	-79.487	12
50	MP1C	Z	0	12
51	MP1C	Mx	-.03	12
52	MP1C	X	-79.487	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP1C	Z	0	48
54	MP1C	Mx	-.03	48
55	MP2A	X	-119.26	6
56	MP2A	Z	0	6
57	MP2A	Mx	.022	6
58	MP2A	X	-119.26	54
59	MP2A	Z	0	54
60	MP2A	Mx	.022	54
61	MP2B	X	-150.199	6
62	MP2B	Z	0	6
63	MP2B	Mx	.036	6
64	MP2B	X	-150.199	54
65	MP2B	Z	0	54
66	MP2B	Mx	.036	54
67	MP2C	X	-128.096	6
68	MP2C	Z	0	6
69	MP2C	Mx	-.09	6
70	MP2C	X	-128.096	54
71	MP2C	Z	0	54
72	MP2C	Mx	-.09	54
73	MP2A	X	-119.26	6
74	MP2A	Z	0	6
75	MP2A	Mx	.081	6
76	MP2A	X	-119.26	54
77	MP2A	Z	0	54
78	MP2A	Mx	.081	54
79	MP2B	X	-150.199	6
80	MP2B	Z	0	6
81	MP2B	Mx	-.1	6
82	MP2B	X	-150.199	54
83	MP2B	Z	0	54
84	MP2B	Mx	-.1	54
85	MP2C	X	-128.096	6
86	MP2C	Z	0	6
87	MP2C	Mx	-.008	6
88	MP2C	X	-128.096	54
89	MP2C	Z	0	54
90	MP2C	Mx	-.008	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	-67.614	18
2	MP5A	Z	-39.037	18
3	MP5A	Mx	.02	18
4	MP5A	X	-67.614	42
5	MP5A	Z	-39.037	42
6	MP5A	Mx	.02	42
7	MP5B	X	-79.377	18
8	MP5B	Z	-45.828	18
9	MP5B	Mx	.004	18
10	MP5B	X	-79.377	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	MP5B	Z	-45.828	42
12	MP5B	Mx	.004	42
13	MP5C	X	-32.683	18
14	MP5C	Z	-18.87	18
15	MP5C	Mx	-.019	18
16	MP5C	X	-32.683	42
17	MP5C	Z	-18.87	42
18	MP5C	Mx	-.019	42
19	MP2A	X	-58.197	18
20	MP2A	Z	-33.6	18
21	MP2A	Mx	-.017	18
22	MP2B	X	-63.297	18
23	MP2B	Z	-36.545	18
24	MP2B	Mx	-.003	18
25	MP2C	X	-43.052	18
26	MP2C	Z	-24.856	18
27	MP2C	Mx	.024	18
28	MP3A	X	-56.182	18
29	MP3A	Z	-32.437	18
30	MP3A	Mx	-.016	18
31	MP3B	X	-63.236	18
32	MP3B	Z	-36.509	18
33	MP3B	Mx	-.003	18
34	MP3C	X	-35.236	18
35	MP3C	Z	-20.343	18
36	MP3C	Mx	.02	18
37	MP1A	X	-78.897	12
38	MP1A	Z	-45.551	12
39	MP1A	Mx	.023	12
40	MP1A	X	-78.897	48
41	MP1A	Z	-45.551	48
42	MP1A	Mx	.023	48
43	MP1B	X	-86.136	12
44	MP1B	Z	-49.731	12
45	MP1B	Mx	.004	12
46	MP1B	X	-86.136	48
47	MP1B	Z	-49.731	48
48	MP1B	Mx	.004	48
49	MP1C	X	-57.399	12
50	MP1C	Z	-33.139	12
51	MP1C	Mx	-.033	12
52	MP1C	X	-57.399	48
53	MP1C	Z	-33.139	48
54	MP1C	Mx	-.033	48
55	MP2A	X	-126.729	6
56	MP2A	Z	-73.167	6
57	MP2A	Mx	-.027	6
58	MP2A	X	-126.729	54
59	MP2A	Z	-73.167	54
60	MP2A	Mx	-.027	54
61	MP2B	X	-138.096	6
62	MP2B	Z	-79.73	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
63	MP2B	Mx	.086	6
64	MP2B	X	-138.096	54
65	MP2B	Z	-79.73	54
66	MP2B	Mx	.086	54
67	MP2C	X	-92.973	6
68	MP2C	Z	-53.678	6
69	MP2C	Mx	-.062	6
70	MP2C	X	-92.973	54
71	MP2C	Z	-53.678	54
72	MP2C	Mx	-.062	54
73	MP2A	X	-126.729	6
74	MP2A	Z	-73.167	6
75	MP2A	Mx	.1	6
76	MP2A	X	-126.729	54
77	MP2A	Z	-73.167	54
78	MP2A	Mx	.1	54
79	MP2B	X	-138.096	6
80	MP2B	Z	-79.73	6
81	MP2B	Mx	-.072	6
82	MP2B	X	-138.096	54
83	MP2B	Z	-79.73	54
84	MP2B	Mx	-.072	54
85	MP2C	X	-92.973	6
86	MP2C	Z	-53.678	6
87	MP2C	Mx	-.044	6
88	MP2C	X	-92.973	54
89	MP2C	Z	-53.678	54
90	MP2C	Mx	-.044	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	-46.041	18
2	MP5A	Z	-79.746	18
3	MP5A	Mx	0	18
4	MP5A	X	-46.041	42
5	MP5A	Z	-79.746	42
6	MP5A	Mx	0	42
7	MP5B	X	-36.824	18
8	MP5B	Z	-63.781	18
9	MP5B	Mx	.021	18
10	MP5B	X	-36.824	42
11	MP5B	Z	-63.781	42
12	MP5B	Mx	.021	42
13	MP5C	X	-21.302	18
14	MP5C	Z	-36.897	18
15	MP5C	Mx	-.02	18
16	MP5C	X	-21.302	42
17	MP5C	Z	-36.897	42
18	MP5C	Mx	-.02	42
19	MP2A	X	-36.637	18
20	MP2A	Z	-63.457	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP2A	Mx	0	18
22	MP2B	X	-32.641	18
23	MP2B	Z	-56.535	18
24	MP2B	Mx	-.019	18
25	MP2C	X	-25.911	18
26	MP2C	Z	-44.879	18
27	MP2C	Mx	.024	18
28	MP3A	X	-36.637	18
29	MP3A	Z	-63.457	18
30	MP3A	Mx	0	18
31	MP3B	X	-31.11	18
32	MP3B	Z	-53.884	18
33	MP3B	Mx	-.018	18
34	MP3C	X	-21.802	18
35	MP3C	Z	-37.762	18
36	MP3C	Mx	.02	18
37	MP1A	X	-49.862	12
38	MP1A	Z	-86.363	12
39	MP1A	Mx	0	12
40	MP1A	X	-49.862	48
41	MP1A	Z	-86.363	48
42	MP1A	Mx	0	48
43	MP1B	X	-44.189	12
44	MP1B	Z	-76.538	12
45	MP1B	Mx	.025	12
46	MP1B	X	-44.189	48
47	MP1B	Z	-76.538	48
48	MP1B	Mx	.025	48
49	MP1C	X	-34.636	12
50	MP1C	Z	-59.992	12
51	MP1C	Mx	-.033	12
52	MP1C	X	-34.636	48
53	MP1C	Z	-59.992	48
54	MP1C	Mx	-.033	48
55	MP2A	X	-79.935	6
56	MP2A	Z	-138.452	6
57	MP2A	Mx	-.08	6
58	MP2A	X	-79.935	54
59	MP2A	Z	-138.452	54
60	MP2A	Mx	-.08	54
61	MP2B	X	-71.028	6
62	MP2B	Z	-123.025	6
63	MP2B	Mx	.099	6
64	MP2B	X	-71.028	54
65	MP2B	Z	-123.025	54
66	MP2B	Mx	.099	54
67	MP2C	X	-56.029	6
68	MP2C	Z	-97.045	6
69	MP2C	Mx	-.033	6
70	MP2C	X	-56.029	54
71	MP2C	Z	-97.045	54
72	MP2C	Mx	-.033	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
73	MP2A	X	-79.935	6
74	MP2A	Z	-138.452	6
75	MP2A	Mx	.08	6
76	MP2A	X	-79.935	54
77	MP2A	Z	-138.452	54
78	MP2A	Mx	.08	54
79	MP2B	X	-71.028	6
80	MP2B	Z	-123.025	6
81	MP2B	Mx	-.017	6
82	MP2B	X	-71.028	54
83	MP2B	Z	-123.025	54
84	MP2B	Mx	-.017	54
85	MP2C	X	-56.029	6
86	MP2C	Z	-97.045	6
87	MP2C	Mx	-.072	6
88	MP2C	X	-56.029	54
89	MP2C	Z	-97.045	54
90	MP2C	Mx	-.072	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	0	18
2	MP5A	Z	-16.981	18
3	MP5A	Mx	-.004	18
4	MP5A	X	0	42
5	MP5A	Z	-16.981	42
6	MP5A	Mx	-.004	42
7	MP5B	X	0	18
8	MP5B	Z	-10.702	18
9	MP5B	Mx	.005	18
10	MP5B	X	0	42
11	MP5B	Z	-10.702	42
12	MP5B	Mx	.005	42
13	MP5C	X	0	18
14	MP5C	Z	-15.188	18
15	MP5C	Mx	-.005	18
16	MP5C	X	0	42
17	MP5C	Z	-15.188	42
18	MP5C	Mx	-.005	42
19	MP2A	X	0	18
20	MP2A	Z	-15.816	18
21	MP2A	Mx	.004	18
22	MP2B	X	0	18
23	MP2B	Z	-12.973	18
24	MP2B	Mx	-.006	18
25	MP2C	X	0	18
26	MP2C	Z	-15.004	18
27	MP2C	Mx	.005	18
28	MP3A	X	0	18
29	MP3A	Z	-15.343	18
30	MP3A	Mx	.004	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
31	MP3B	X	0	18
32	MP3B	Z	-11.419	18
33	MP3B	Mx	-.005	18
34	MP3C	X	0	18
35	MP3C	Z	-14.223	18
36	MP3C	Mx	.005	18
37	MP1A	X	0	12
38	MP1A	Z	-19.633	12
39	MP1A	Mx	-.005	12
40	MP1A	X	0	48
41	MP1A	Z	-19.633	48
42	MP1A	Mx	-.005	48
43	MP1B	X	0	12
44	MP1B	Z	-15.869	12
45	MP1B	Mx	.007	12
46	MP1B	X	0	48
47	MP1B	Z	-15.869	48
48	MP1B	Mx	.007	48
49	MP1C	X	0	12
50	MP1C	Z	-18.558	12
51	MP1C	Mx	-.006	12
52	MP1C	X	0	48
53	MP1C	Z	-18.558	48
54	MP1C	Mx	-.006	48
55	MP2A	X	0	6
56	MP2A	Z	-30.668	6
57	MP2A	Mx	-.021	6
58	MP2A	X	0	54
59	MP2A	Z	-30.668	54
60	MP2A	Mx	-.021	54
61	MP2B	X	0	6
62	MP2B	Z	-25.032	6
63	MP2B	Mx	.017	6
64	MP2B	X	0	54
65	MP2B	Z	-25.032	54
66	MP2B	Mx	.017	54
67	MP2C	X	0	6
68	MP2C	Z	-29.059	6
69	MP2C	Mx	.002	6
70	MP2C	X	0	54
71	MP2C	Z	-29.059	54
72	MP2C	Mx	.002	54
73	MP2A	X	0	6
74	MP2A	Z	-30.668	6
75	MP2A	Mx	.006	6
76	MP2A	X	0	54
77	MP2A	Z	-30.668	54
78	MP2A	Mx	.006	54
79	MP2B	X	0	6
80	MP2B	Z	-25.032	6
81	MP2B	Mx	.006	6
82	MP2B	X	0	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
83	MP2B	Z	-25.032	54
84	MP2B	Mx	.006	54
85	MP2C	X	0	6
86	MP2C	Z	-29.059	6
87	MP2C	Mx	-.02	6
88	MP2C	X	0	54
89	MP2C	Z	-29.059	54
90	MP2C	Mx	-.02	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	5.743	18
2	MP5A	Z	-9.948	18
3	MP5A	Mx	-.005	18
4	MP5A	X	5.743	42
5	MP5A	Z	-9.948	42
6	MP5A	Mx	-.005	42
7	MP5B	X	4.411	18
8	MP5B	Z	-7.641	18
9	MP5B	Mx	.004	18
10	MP5B	X	4.411	42
11	MP5B	Z	-7.641	42
12	MP5B	Mx	.004	42
13	MP5C	X	9.699	18
14	MP5C	Z	-16.798	18
15	MP5C	Mx	-.002	18
16	MP5C	X	9.699	42
17	MP5C	Z	-16.798	42
18	MP5C	Mx	-.002	42
19	MP2A	X	6.664	18
20	MP2A	Z	-11.542	18
21	MP2A	Mx	.006	18
22	MP2B	X	6.061	18
23	MP2B	Z	-10.498	18
24	MP2B	Mx	-.006	18
25	MP2C	X	8.455	18
26	MP2C	Z	-14.645	18
27	MP2C	Mx	.001	18
28	MP3A	X	5.955	18
29	MP3A	Z	-10.314	18
30	MP3A	Mx	.005	18
31	MP3B	X	5.122	18
32	MP3B	Z	-8.872	18
33	MP3B	Mx	-.005	18
34	MP3C	X	8.427	18
35	MP3C	Z	-14.595	18
36	MP3C	Mx	.001	18
37	MP1A	X	8.17	12
38	MP1A	Z	-14.15	12
39	MP1A	Mx	-.007	12
40	MP1A	X	8.17	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP1A	Z	-14.15	48
42	MP1A	Mx	-.007	48
43	MP1B	X	7.371	12
44	MP1B	Z	-12.767	12
45	MP1B	Mx	.007	12
46	MP1B	X	7.371	48
47	MP1B	Z	-12.767	48
48	MP1B	Mx	.007	48
49	MP1C	X	10.54	12
50	MP1C	Z	-18.257	12
51	MP1C	Mx	-.002	12
52	MP1C	X	10.54	48
53	MP1C	Z	-18.257	48
54	MP1C	Mx	-.002	48
55	MP2A	X	12.868	6
56	MP2A	Z	-22.289	6
57	MP2A	Mx	-.018	6
58	MP2A	X	12.868	54
59	MP2A	Z	-22.289	54
60	MP2A	Mx	-.018	54
61	MP2B	X	11.673	6
62	MP2B	Z	-20.218	6
63	MP2B	Mx	.011	6
64	MP2B	X	11.673	54
65	MP2B	Z	-20.218	54
66	MP2B	Mx	.011	54
67	MP2C	X	16.418	6
68	MP2C	Z	-28.438	6
69	MP2C	Mx	.013	6
70	MP2C	X	16.418	54
71	MP2C	Z	-28.438	54
72	MP2C	Mx	.013	54
73	MP2A	X	12.868	6
74	MP2A	Z	-22.289	6
75	MP2A	Mx	-.005	6
76	MP2A	X	12.868	54
77	MP2A	Z	-22.289	54
78	MP2A	Mx	-.005	54
79	MP2B	X	11.673	6
80	MP2B	Z	-20.218	6
81	MP2B	Mx	.013	6
82	MP2B	X	11.673	54
83	MP2B	Z	-20.218	54
84	MP2B	Mx	.013	54
85	MP2C	X	16.418	6
86	MP2C	Z	-28.438	6
87	MP2C	Mx	-.019	6
88	MP2C	X	16.418	54
89	MP2C	Z	-28.438	54
90	MP2C	Mx	-.019	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	7.569	18
2	MP5A	Z	-4.37	18
3	MP5A	Mx	-.004	18
4	MP5A	X	7.569	42
5	MP5A	Z	-4.37	42
6	MP5A	Mx	-.004	42
7	MP5B	X	10.7	18
8	MP5B	Z	-6.177	18
9	MP5B	Mx	.005	18
10	MP5B	X	10.7	42
11	MP5B	Z	-6.177	42
12	MP5B	Mx	.005	42
13	MP5C	X	15.972	18
14	MP5C	Z	-9.221	18
15	MP5C	Mx	.003	18
16	MP5C	X	15.972	42
17	MP5C	Z	-9.221	42
18	MP5C	Mx	.003	42
19	MP2A	X	10.465	18
20	MP2A	Z	-6.042	18
21	MP2A	Mx	.006	18
22	MP2B	X	11.883	18
23	MP2B	Z	-6.861	18
24	MP2B	Mx	-.006	18
25	MP2C	X	14.271	18
26	MP2C	Z	-8.239	18
27	MP2C	Mx	-.003	18
28	MP3A	X	8.827	18
29	MP3A	Z	-5.096	18
30	MP3A	Mx	.005	18
31	MP3B	X	10.784	18
32	MP3B	Z	-6.226	18
33	MP3B	Mx	-.005	18
34	MP3C	X	14.079	18
35	MP3C	Z	-8.129	18
36	MP3C	Mx	-.003	18
37	MP1A	X	12.724	12
38	MP1A	Z	-7.346	12
39	MP1A	Mx	-.007	12
40	MP1A	X	12.724	48
41	MP1A	Z	-7.346	48
42	MP1A	Mx	-.007	48
43	MP1B	X	14.601	12
44	MP1B	Z	-8.43	12
45	MP1B	Mx	.007	12
46	MP1B	X	14.601	48
47	MP1B	Z	-8.43	48
48	MP1B	Mx	.007	48
49	MP1C	X	17.761	12
50	MP1C	Z	-10.254	12
51	MP1C	Mx	.004	12
52	MP1C	X	17.761	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP1C	Z	-10.254	48
54	MP1C	Mx	.004	48
55	MP2A	X	20.153	6
56	MP2A	Z	-11.635	6
57	MP2A	Mx	-.012	6
58	MP2A	X	20.153	54
59	MP2A	Z	-11.635	54
60	MP2A	Mx	-.012	54
61	MP2B	X	22.963	6
62	MP2B	Z	-13.258	6
63	MP2B	Mx	.003	6
64	MP2B	X	22.963	54
65	MP2B	Z	-13.258	54
66	MP2B	Mx	.003	54
67	MP2C	X	27.696	6
68	MP2C	Z	-15.99	6
69	MP2C	Mx	.02	6
70	MP2C	X	27.696	54
71	MP2C	Z	-15.99	54
72	MP2C	Mx	.02	54
73	MP2A	X	20.153	6
74	MP2A	Z	-11.635	6
75	MP2A	Mx	-.012	6
76	MP2A	X	20.153	54
77	MP2A	Z	-11.635	54
78	MP2A	Mx	-.012	54
79	MP2B	X	22.963	6
80	MP2B	Z	-13.258	6
81	MP2B	Mx	.018	6
82	MP2B	X	22.963	54
83	MP2B	Z	-13.258	54
84	MP2B	Mx	.018	54
85	MP2C	X	27.696	6
86	MP2C	Z	-15.99	6
87	MP2C	Mx	-.01	6
88	MP2C	X	27.696	54
89	MP2C	Z	-15.99	54
90	MP2C	Mx	-.01	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	11.487	18
2	MP5A	Z	0	18
3	MP5A	Mx	-.005	18
4	MP5A	X	11.487	42
5	MP5A	Z	0	42
6	MP5A	Mx	-.005	42
7	MP5B	X	17.766	18
8	MP5B	Z	0	18
9	MP5B	Mx	.004	18
10	MP5B	X	17.766	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	MP5B	Z	0	42
12	MP5B	Mx	.004	42
13	MP5C	X	13.28	18
14	MP5C	Z	0	18
15	MP5C	Mx	.005	18
16	MP5C	X	13.28	42
17	MP5C	Z	0	42
18	MP5C	Mx	.005	42
19	MP2A	X	13.328	18
20	MP2A	Z	0	18
21	MP2A	Mx	.006	18
22	MP2B	X	16.172	18
23	MP2B	Z	0	18
24	MP2B	Mx	-.003	18
25	MP2C	X	14.14	18
26	MP2C	Z	0	18
27	MP2C	Mx	-.005	18
28	MP3A	X	11.91	18
29	MP3A	Z	0	18
30	MP3A	Mx	.005	18
31	MP3B	X	15.834	18
32	MP3B	Z	0	18
33	MP3B	Mx	-.003	18
34	MP3C	X	13.03	18
35	MP3C	Z	0	18
36	MP3C	Mx	-.005	18
37	MP1A	X	16.339	12
38	MP1A	Z	0	12
39	MP1A	Mx	-.007	12
40	MP1A	X	16.339	48
41	MP1A	Z	0	48
42	MP1A	Mx	-.007	48
43	MP1B	X	20.103	12
44	MP1B	Z	0	12
45	MP1B	Mx	.004	12
46	MP1B	X	20.103	48
47	MP1B	Z	0	48
48	MP1B	Mx	.004	48
49	MP1C	X	17.414	12
50	MP1C	Z	0	12
51	MP1C	Mx	.007	12
52	MP1C	X	17.414	48
53	MP1C	Z	0	48
54	MP1C	Mx	.007	48
55	MP2A	X	25.737	6
56	MP2A	Z	0	6
57	MP2A	Mx	-.005	6
58	MP2A	X	25.737	54
59	MP2A	Z	0	54
60	MP2A	Mx	-.005	54
61	MP2B	X	31.373	6
62	MP2B	Z	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
63	MP2B	Mx	-.008	6
64	MP2B	X	31.373	54
65	MP2B	Z	0	54
66	MP2B	Mx	-.008	54
67	MP2C	X	27.346	6
68	MP2C	Z	0	6
69	MP2C	Mx	.019	6
70	MP2C	X	27.346	54
71	MP2C	Z	0	54
72	MP2C	Mx	.019	54
73	MP2A	X	25.737	6
74	MP2A	Z	0	6
75	MP2A	Mx	-.018	6
76	MP2A	X	25.737	54
77	MP2A	Z	0	54
78	MP2A	Mx	-.018	54
79	MP2B	X	31.373	6
80	MP2B	Z	0	6
81	MP2B	Mx	.021	6
82	MP2B	X	31.373	54
83	MP2B	Z	0	54
84	MP2B	Mx	.021	54
85	MP2C	X	27.346	6
86	MP2C	Z	0	6
87	MP2C	Mx	.002	6
88	MP2C	X	27.346	54
89	MP2C	Z	0	54
90	MP2C	Mx	.002	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	14.706	18
2	MP5A	Z	8.491	18
3	MP5A	Mx	-.004	18
4	MP5A	X	14.706	42
5	MP5A	Z	8.491	42
6	MP5A	Mx	-.004	42
7	MP5B	X	17.013	18
8	MP5B	Z	9.822	18
9	MP5B	Mx	-.000856	18
10	MP5B	X	17.013	42
11	MP5B	Z	9.822	42
12	MP5B	Mx	-.000856	42
13	MP5C	X	7.856	18
14	MP5C	Z	4.535	18
15	MP5C	Mx	.004	18
16	MP5C	X	7.856	42
17	MP5C	Z	4.535	42
18	MP5C	Mx	.004	42
19	MP2A	X	13.697	18
20	MP2A	Z	7.908	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP2A	Mx	.004	18
22	MP2B	X	14.742	18
23	MP2B	Z	8.511	18
24	MP2B	Mx	.000742	18
25	MP2C	X	10.595	18
26	MP2C	Z	6.117	18
27	MP2C	Mx	-.006	18
28	MP3A	X	13.288	18
29	MP3A	Z	7.672	18
30	MP3A	Mx	.004	18
31	MP3B	X	14.73	18
32	MP3B	Z	8.504	18
33	MP3B	Mx	.000741	18
34	MP3C	X	9.007	18
35	MP3C	Z	5.2	18
36	MP3C	Mx	-.005	18
37	MP1A	X	17.002	12
38	MP1A	Z	9.816	12
39	MP1A	Mx	-.005	12
40	MP1A	X	17.002	48
41	MP1A	Z	9.816	48
42	MP1A	Mx	-.005	48
43	MP1B	X	18.385	12
44	MP1B	Z	10.615	12
45	MP1B	Mx	-.000925	12
46	MP1B	X	18.385	48
47	MP1B	Z	10.615	48
48	MP1B	Mx	-.000925	48
49	MP1C	X	12.896	12
50	MP1C	Z	7.446	12
51	MP1C	Mx	.007	12
52	MP1C	X	12.896	48
53	MP1C	Z	7.446	48
54	MP1C	Mx	.007	48
55	MP2A	X	26.56	6
56	MP2A	Z	15.334	6
57	MP2A	Mx	.006	6
58	MP2A	X	26.56	54
59	MP2A	Z	15.334	54
60	MP2A	Mx	.006	54
61	MP2B	X	28.63	6
62	MP2B	Z	16.53	6
63	MP2B	Mx	-.018	6
64	MP2B	X	28.63	54
65	MP2B	Z	16.53	54
66	MP2B	Mx	-.018	54
67	MP2C	X	20.411	6
68	MP2C	Z	11.784	6
69	MP2C	Mx	.014	6
70	MP2C	X	20.411	54
71	MP2C	Z	11.784	54
72	MP2C	Mx	.014	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
73	MP2A	X	26.56	6
74	MP2A	Z	15.334	6
75	MP2A	Mx	-.021	6
76	MP2A	X	26.56	54
77	MP2A	Z	15.334	54
78	MP2A	Mx	-.021	54
79	MP2B	X	28.63	6
80	MP2B	Z	16.53	6
81	MP2B	Mx	.015	6
82	MP2B	X	28.63	54
83	MP2B	Z	16.53	54
84	MP2B	Mx	.015	54
85	MP2C	X	20.411	6
86	MP2C	Z	11.784	6
87	MP2C	Mx	.01	6
88	MP2C	X	20.411	54
89	MP2C	Z	11.784	54
90	MP2C	Mx	.01	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	9.864	18
2	MP5A	Z	17.085	18
3	MP5A	Mx	0	18
4	MP5A	X	9.864	42
5	MP5A	Z	17.085	42
6	MP5A	Mx	0	42
7	MP5B	X	8.057	18
8	MP5B	Z	13.954	18
9	MP5B	Mx	-.005	18
10	MP5B	X	8.057	42
11	MP5B	Z	13.954	42
12	MP5B	Mx	-.005	42
13	MP5C	X	5.012	18
14	MP5C	Z	8.682	18
15	MP5C	Mx	.005	18
16	MP5C	X	5.012	42
17	MP5C	Z	8.682	42
18	MP5C	Mx	.005	42
19	MP2A	X	8.53	18
20	MP2A	Z	14.775	18
21	MP2A	Mx	0	18
22	MP2B	X	7.712	18
23	MP2B	Z	13.357	18
24	MP2B	Mx	.004	18
25	MP2C	X	6.333	18
26	MP2C	Z	10.969	18
27	MP2C	Mx	-.006	18
28	MP3A	X	8.53	18
29	MP3A	Z	14.775	18
30	MP3A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
31	MP3B	X	7.4	18
32	MP3B	Z	12.818	18
33	MP3B	Mx	.004	18
34	MP3C	X	5.498	18
35	MP3C	Z	9.523	18
36	MP3C	Mx	-.005	18
37	MP1A	X	10.64	12
38	MP1A	Z	18.429	12
39	MP1A	Mx	0	12
40	MP1A	X	10.64	48
41	MP1A	Z	18.429	48
42	MP1A	Mx	0	48
43	MP1B	X	9.556	12
44	MP1B	Z	16.552	12
45	MP1B	Mx	-.005	12
46	MP1B	X	9.556	48
47	MP1B	Z	16.552	48
48	MP1B	Mx	-.005	48
49	MP1C	X	7.732	12
50	MP1C	Z	13.391	12
51	MP1C	Mx	.007	12
52	MP1C	X	7.732	48
53	MP1C	Z	13.391	48
54	MP1C	Mx	.007	48
55	MP2A	X	16.567	6
56	MP2A	Z	28.695	6
57	MP2A	Mx	.017	6
58	MP2A	X	16.567	54
59	MP2A	Z	28.695	54
60	MP2A	Mx	.017	54
61	MP2B	X	14.945	6
62	MP2B	Z	25.885	6
63	MP2B	Mx	-.021	6
64	MP2B	X	14.945	54
65	MP2B	Z	25.885	54
66	MP2B	Mx	-.021	54
67	MP2C	X	12.212	6
68	MP2C	Z	21.152	6
69	MP2C	Mx	.007	6
70	MP2C	X	12.212	54
71	MP2C	Z	21.152	54
72	MP2C	Mx	.007	54
73	MP2A	X	16.567	6
74	MP2A	Z	28.695	6
75	MP2A	Mx	-.017	6
76	MP2A	X	16.567	54
77	MP2A	Z	28.695	54
78	MP2A	Mx	-.017	54
79	MP2B	X	14.945	6
80	MP2B	Z	25.885	6
81	MP2B	Mx	.004	6
82	MP2B	X	14.945	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
83	MP2B	Z	25.885	54
84	MP2B	Mx	.004	54
85	MP2C	X	12.212	6
86	MP2C	Z	21.152	6
87	MP2C	Mx	.016	6
88	MP2C	X	12.212	54
89	MP2C	Z	21.152	54
90	MP2C	Mx	.016	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	0	18
2	MP5A	Z	16.981	18
3	MP5A	Mx	.004	18
4	MP5A	X	0	42
5	MP5A	Z	16.981	42
6	MP5A	Mx	.004	42
7	MP5B	X	0	18
8	MP5B	Z	10.702	18
9	MP5B	Mx	-.005	18
10	MP5B	X	0	42
11	MP5B	Z	10.702	42
12	MP5B	Mx	-.005	42
13	MP5C	X	0	18
14	MP5C	Z	15.188	18
15	MP5C	Mx	.005	18
16	MP5C	X	0	42
17	MP5C	Z	15.188	42
18	MP5C	Mx	.005	42
19	MP2A	X	0	18
20	MP2A	Z	15.816	18
21	MP2A	Mx	-.004	18
22	MP2B	X	0	18
23	MP2B	Z	12.973	18
24	MP2B	Mx	.006	18
25	MP2C	X	0	18
26	MP2C	Z	15.004	18
27	MP2C	Mx	-.005	18
28	MP3A	X	0	18
29	MP3A	Z	15.343	18
30	MP3A	Mx	-.004	18
31	MP3B	X	0	18
32	MP3B	Z	11.419	18
33	MP3B	Mx	.005	18
34	MP3C	X	0	18
35	MP3C	Z	14.223	18
36	MP3C	Mx	-.005	18
37	MP1A	X	0	12
38	MP1A	Z	19.633	12
39	MP1A	Mx	.005	12
40	MP1A	X	0	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP1A	Z	19.633	48
42	MP1A	Mx	.005	48
43	MP1B	X	0	12
44	MP1B	Z	15.869	12
45	MP1B	Mx	-.007	12
46	MP1B	X	0	48
47	MP1B	Z	15.869	48
48	MP1B	Mx	-.007	48
49	MP1C	X	0	12
50	MP1C	Z	18.558	12
51	MP1C	Mx	.006	12
52	MP1C	X	0	48
53	MP1C	Z	18.558	48
54	MP1C	Mx	.006	48
55	MP2A	X	0	6
56	MP2A	Z	30.668	6
57	MP2A	Mx	.021	6
58	MP2A	X	0	54
59	MP2A	Z	30.668	54
60	MP2A	Mx	.021	54
61	MP2B	X	0	6
62	MP2B	Z	25.032	6
63	MP2B	Mx	-.017	6
64	MP2B	X	0	54
65	MP2B	Z	25.032	54
66	MP2B	Mx	-.017	54
67	MP2C	X	0	6
68	MP2C	Z	29.059	6
69	MP2C	Mx	-.002	6
70	MP2C	X	0	54
71	MP2C	Z	29.059	54
72	MP2C	Mx	-.002	54
73	MP2A	X	0	6
74	MP2A	Z	30.668	6
75	MP2A	Mx	-.006	6
76	MP2A	X	0	54
77	MP2A	Z	30.668	54
78	MP2A	Mx	-.006	54
79	MP2B	X	0	6
80	MP2B	Z	25.032	6
81	MP2B	Mx	-.006	6
82	MP2B	X	0	54
83	MP2B	Z	25.032	54
84	MP2B	Mx	-.006	54
85	MP2C	X	0	6
86	MP2C	Z	29.059	6
87	MP2C	Mx	.02	6
88	MP2C	X	0	54
89	MP2C	Z	29.059	54
90	MP2C	Mx	.02	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	-5.743	18
2	MP5A	Z	9.948	18
3	MP5A	Mx	.005	18
4	MP5A	X	-5.743	42
5	MP5A	Z	9.948	42
6	MP5A	Mx	.005	42
7	MP5B	X	-4.411	18
8	MP5B	Z	7.641	18
9	MP5B	Mx	-.004	18
10	MP5B	X	-4.411	42
11	MP5B	Z	7.641	42
12	MP5B	Mx	-.004	42
13	MP5C	X	-9.699	18
14	MP5C	Z	16.798	18
15	MP5C	Mx	.002	18
16	MP5C	X	-9.699	42
17	MP5C	Z	16.798	42
18	MP5C	Mx	.002	42
19	MP2A	X	-6.664	18
20	MP2A	Z	11.542	18
21	MP2A	Mx	-.006	18
22	MP2B	X	-6.061	18
23	MP2B	Z	10.498	18
24	MP2B	Mx	.006	18
25	MP2C	X	-8.455	18
26	MP2C	Z	14.645	18
27	MP2C	Mx	-.001	18
28	MP3A	X	-5.955	18
29	MP3A	Z	10.314	18
30	MP3A	Mx	-.005	18
31	MP3B	X	-5.122	18
32	MP3B	Z	8.872	18
33	MP3B	Mx	.005	18
34	MP3C	X	-8.427	18
35	MP3C	Z	14.595	18
36	MP3C	Mx	-.001	18
37	MP1A	X	-8.17	12
38	MP1A	Z	14.15	12
39	MP1A	Mx	.007	12
40	MP1A	X	-8.17	48
41	MP1A	Z	14.15	48
42	MP1A	Mx	.007	48
43	MP1B	X	-7.371	12
44	MP1B	Z	12.767	12
45	MP1B	Mx	-.007	12
46	MP1B	X	-7.371	48
47	MP1B	Z	12.767	48
48	MP1B	Mx	-.007	48
49	MP1C	X	-10.54	12
50	MP1C	Z	18.257	12
51	MP1C	Mx	.002	12
52	MP1C	X	-10.54	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP1C	Z	18.257	48
54	MP1C	Mx	.002	48
55	MP2A	X	-12.868	6
56	MP2A	Z	22.289	6
57	MP2A	Mx	.018	6
58	MP2A	X	-12.868	54
59	MP2A	Z	22.289	54
60	MP2A	Mx	.018	54
61	MP2B	X	-11.673	6
62	MP2B	Z	20.218	6
63	MP2B	Mx	-.011	6
64	MP2B	X	-11.673	54
65	MP2B	Z	20.218	54
66	MP2B	Mx	-.011	54
67	MP2C	X	-16.418	6
68	MP2C	Z	28.438	6
69	MP2C	Mx	-.013	6
70	MP2C	X	-16.418	54
71	MP2C	Z	28.438	54
72	MP2C	Mx	-.013	54
73	MP2A	X	-12.868	6
74	MP2A	Z	22.289	6
75	MP2A	Mx	.005	6
76	MP2A	X	-12.868	54
77	MP2A	Z	22.289	54
78	MP2A	Mx	.005	54
79	MP2B	X	-11.673	6
80	MP2B	Z	20.218	6
81	MP2B	Mx	-.013	6
82	MP2B	X	-11.673	54
83	MP2B	Z	20.218	54
84	MP2B	Mx	-.013	54
85	MP2C	X	-16.418	6
86	MP2C	Z	28.438	6
87	MP2C	Mx	.019	6
88	MP2C	X	-16.418	54
89	MP2C	Z	28.438	54
90	MP2C	Mx	.019	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	-7.569	18
2	MP5A	Z	4.37	18
3	MP5A	Mx	.004	18
4	MP5A	X	-7.569	42
5	MP5A	Z	4.37	42
6	MP5A	Mx	.004	42
7	MP5B	X	-10.7	18
8	MP5B	Z	6.177	18
9	MP5B	Mx	-.005	18
10	MP5B	X	-10.7	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	MP5B	Z	6.177	42
12	MP5B	Mx	-.005	42
13	MP5C	X	-15.972	18
14	MP5C	Z	9.221	18
15	MP5C	Mx	-.003	18
16	MP5C	X	-15.972	42
17	MP5C	Z	9.221	42
18	MP5C	Mx	-.003	42
19	MP2A	X	-10.465	18
20	MP2A	Z	6.042	18
21	MP2A	Mx	-.006	18
22	MP2B	X	-11.883	18
23	MP2B	Z	6.861	18
24	MP2B	Mx	.006	18
25	MP2C	X	-14.271	18
26	MP2C	Z	8.239	18
27	MP2C	Mx	.003	18
28	MP3A	X	-8.827	18
29	MP3A	Z	5.096	18
30	MP3A	Mx	-.005	18
31	MP3B	X	-10.784	18
32	MP3B	Z	6.226	18
33	MP3B	Mx	.005	18
34	MP3C	X	-14.079	18
35	MP3C	Z	8.129	18
36	MP3C	Mx	.003	18
37	MP1A	X	-12.724	12
38	MP1A	Z	7.346	12
39	MP1A	Mx	.007	12
40	MP1A	X	-12.724	48
41	MP1A	Z	7.346	48
42	MP1A	Mx	.007	48
43	MP1B	X	-14.601	12
44	MP1B	Z	8.43	12
45	MP1B	Mx	-.007	12
46	MP1B	X	-14.601	48
47	MP1B	Z	8.43	48
48	MP1B	Mx	-.007	48
49	MP1C	X	-17.761	12
50	MP1C	Z	10.254	12
51	MP1C	Mx	-.004	12
52	MP1C	X	-17.761	48
53	MP1C	Z	10.254	48
54	MP1C	Mx	-.004	48
55	MP2A	X	-20.153	6
56	MP2A	Z	11.635	6
57	MP2A	Mx	.012	6
58	MP2A	X	-20.153	54
59	MP2A	Z	11.635	54
60	MP2A	Mx	.012	54
61	MP2B	X	-22.963	6
62	MP2B	Z	13.258	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
63	MP2B	Mx	-.003	6
64	MP2B	X	-22.963	54
65	MP2B	Z	13.258	54
66	MP2B	Mx	-.003	54
67	MP2C	X	-27.696	6
68	MP2C	Z	15.99	6
69	MP2C	Mx	-.02	6
70	MP2C	X	-27.696	54
71	MP2C	Z	15.99	54
72	MP2C	Mx	-.02	54
73	MP2A	X	-20.153	6
74	MP2A	Z	11.635	6
75	MP2A	Mx	.012	6
76	MP2A	X	-20.153	54
77	MP2A	Z	11.635	54
78	MP2A	Mx	.012	54
79	MP2B	X	-22.963	6
80	MP2B	Z	13.258	6
81	MP2B	Mx	-.018	6
82	MP2B	X	-22.963	54
83	MP2B	Z	13.258	54
84	MP2B	Mx	-.018	54
85	MP2C	X	-27.696	6
86	MP2C	Z	15.99	6
87	MP2C	Mx	.01	6
88	MP2C	X	-27.696	54
89	MP2C	Z	15.99	54
90	MP2C	Mx	.01	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	-11.487	18
2	MP5A	Z	0	18
3	MP5A	Mx	.005	18
4	MP5A	X	-11.487	42
5	MP5A	Z	0	42
6	MP5A	Mx	.005	42
7	MP5B	X	-17.766	18
8	MP5B	Z	0	18
9	MP5B	Mx	-.004	18
10	MP5B	X	-17.766	42
11	MP5B	Z	0	42
12	MP5B	Mx	-.004	42
13	MP5C	X	-13.28	18
14	MP5C	Z	0	18
15	MP5C	Mx	-.005	18
16	MP5C	X	-13.28	42
17	MP5C	Z	0	42
18	MP5C	Mx	-.005	42
19	MP2A	X	-13.328	18
20	MP2A	Z	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP2A	Mx	-.006	18
22	MP2B	X	-16.172	18
23	MP2B	Z	0	18
24	MP2B	Mx	.003	18
25	MP2C	X	-14.14	18
26	MP2C	Z	0	18
27	MP2C	Mx	.005	18
28	MP3A	X	-11.91	18
29	MP3A	Z	0	18
30	MP3A	Mx	-.005	18
31	MP3B	X	-15.834	18
32	MP3B	Z	0	18
33	MP3B	Mx	.003	18
34	MP3C	X	-13.03	18
35	MP3C	Z	0	18
36	MP3C	Mx	.005	18
37	MP1A	X	-16.339	12
38	MP1A	Z	0	12
39	MP1A	Mx	.007	12
40	MP1A	X	-16.339	48
41	MP1A	Z	0	48
42	MP1A	Mx	.007	48
43	MP1B	X	-20.103	12
44	MP1B	Z	0	12
45	MP1B	Mx	-.004	12
46	MP1B	X	-20.103	48
47	MP1B	Z	0	48
48	MP1B	Mx	-.004	48
49	MP1C	X	-17.414	12
50	MP1C	Z	0	12
51	MP1C	Mx	-.007	12
52	MP1C	X	-17.414	48
53	MP1C	Z	0	48
54	MP1C	Mx	-.007	48
55	MP2A	X	-25.737	6
56	MP2A	Z	0	6
57	MP2A	Mx	.005	6
58	MP2A	X	-25.737	54
59	MP2A	Z	0	54
60	MP2A	Mx	.005	54
61	MP2B	X	-31.373	6
62	MP2B	Z	0	6
63	MP2B	Mx	.008	6
64	MP2B	X	-31.373	54
65	MP2B	Z	0	54
66	MP2B	Mx	.008	54
67	MP2C	X	-27.346	6
68	MP2C	Z	0	6
69	MP2C	Mx	-.019	6
70	MP2C	X	-27.346	54
71	MP2C	Z	0	54
72	MP2C	Mx	-.019	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
73	MP2A	X	-25.737	6
74	MP2A	Z	0	6
75	MP2A	Mx	.018	6
76	MP2A	X	-25.737	54
77	MP2A	Z	0	54
78	MP2A	Mx	.018	54
79	MP2B	X	-31.373	6
80	MP2B	Z	0	6
81	MP2B	Mx	-.021	6
82	MP2B	X	-31.373	54
83	MP2B	Z	0	54
84	MP2B	Mx	-.021	54
85	MP2C	X	-27.346	6
86	MP2C	Z	0	6
87	MP2C	Mx	-.002	6
88	MP2C	X	-27.346	54
89	MP2C	Z	0	54
90	MP2C	Mx	-.002	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	-14.706	18
2	MP5A	Z	-8.491	18
3	MP5A	Mx	.004	18
4	MP5A	X	-14.706	42
5	MP5A	Z	-8.491	42
6	MP5A	Mx	.004	42
7	MP5B	X	-17.013	18
8	MP5B	Z	-9.822	18
9	MP5B	Mx	.000856	18
10	MP5B	X	-17.013	42
11	MP5B	Z	-9.822	42
12	MP5B	Mx	.000856	42
13	MP5C	X	-7.856	18
14	MP5C	Z	-4.535	18
15	MP5C	Mx	-.004	18
16	MP5C	X	-7.856	42
17	MP5C	Z	-4.535	42
18	MP5C	Mx	-.004	42
19	MP2A	X	-13.697	18
20	MP2A	Z	-7.908	18
21	MP2A	Mx	-.004	18
22	MP2B	X	-14.742	18
23	MP2B	Z	-8.511	18
24	MP2B	Mx	-.000742	18
25	MP2C	X	-10.595	18
26	MP2C	Z	-6.117	18
27	MP2C	Mx	.006	18
28	MP3A	X	-13.288	18
29	MP3A	Z	-7.672	18
30	MP3A	Mx	-.004	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
31	MP3B	X	-14.73	18
32	MP3B	Z	-8.504	18
33	MP3B	Mx	-.000741	18
34	MP3C	X	-9.007	18
35	MP3C	Z	-5.2	18
36	MP3C	Mx	.005	18
37	MP1A	X	-17.002	12
38	MP1A	Z	-9.816	12
39	MP1A	Mx	.005	12
40	MP1A	X	-17.002	48
41	MP1A	Z	-9.816	48
42	MP1A	Mx	.005	48
43	MP1B	X	-18.385	12
44	MP1B	Z	-10.615	12
45	MP1B	Mx	.000925	12
46	MP1B	X	-18.385	48
47	MP1B	Z	-10.615	48
48	MP1B	Mx	.000925	48
49	MP1C	X	-12.896	12
50	MP1C	Z	-7.446	12
51	MP1C	Mx	-.007	12
52	MP1C	X	-12.896	48
53	MP1C	Z	-7.446	48
54	MP1C	Mx	-.007	48
55	MP2A	X	-26.56	6
56	MP2A	Z	-15.334	6
57	MP2A	Mx	-.006	6
58	MP2A	X	-26.56	54
59	MP2A	Z	-15.334	54
60	MP2A	Mx	-.006	54
61	MP2B	X	-28.63	6
62	MP2B	Z	-16.53	6
63	MP2B	Mx	.018	6
64	MP2B	X	-28.63	54
65	MP2B	Z	-16.53	54
66	MP2B	Mx	.018	54
67	MP2C	X	-20.411	6
68	MP2C	Z	-11.784	6
69	MP2C	Mx	-.014	6
70	MP2C	X	-20.411	54
71	MP2C	Z	-11.784	54
72	MP2C	Mx	-.014	54
73	MP2A	X	-26.56	6
74	MP2A	Z	-15.334	6
75	MP2A	Mx	.021	6
76	MP2A	X	-26.56	54
77	MP2A	Z	-15.334	54
78	MP2A	Mx	.021	54
79	MP2B	X	-28.63	6
80	MP2B	Z	-16.53	6
81	MP2B	Mx	-.015	6
82	MP2B	X	-28.63	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
83	MP2B	Z	-16.53	54
84	MP2B	Mx	-.015	54
85	MP2C	X	-20.411	6
86	MP2C	Z	-11.784	6
87	MP2C	Mx	-.01	6
88	MP2C	X	-20.411	54
89	MP2C	Z	-11.784	54
90	MP2C	Mx	-.01	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	-9.864	18
2	MP5A	Z	-17.085	18
3	MP5A	Mx	0	18
4	MP5A	X	-9.864	42
5	MP5A	Z	-17.085	42
6	MP5A	Mx	0	42
7	MP5B	X	-8.057	18
8	MP5B	Z	-13.954	18
9	MP5B	Mx	.005	18
10	MP5B	X	-8.057	42
11	MP5B	Z	-13.954	42
12	MP5B	Mx	.005	42
13	MP5C	X	-5.012	18
14	MP5C	Z	-8.682	18
15	MP5C	Mx	-.005	18
16	MP5C	X	-5.012	42
17	MP5C	Z	-8.682	42
18	MP5C	Mx	-.005	42
19	MP2A	X	-8.53	18
20	MP2A	Z	-14.775	18
21	MP2A	Mx	0	18
22	MP2B	X	-7.712	18
23	MP2B	Z	-13.357	18
24	MP2B	Mx	-.004	18
25	MP2C	X	-6.333	18
26	MP2C	Z	-10.969	18
27	MP2C	Mx	.006	18
28	MP3A	X	-8.53	18
29	MP3A	Z	-14.775	18
30	MP3A	Mx	0	18
31	MP3B	X	-7.4	18
32	MP3B	Z	-12.818	18
33	MP3B	Mx	-.004	18
34	MP3C	X	-5.498	18
35	MP3C	Z	-9.523	18
36	MP3C	Mx	.005	18
37	MP1A	X	-10.64	12
38	MP1A	Z	-18.429	12
39	MP1A	Mx	0	12
40	MP1A	X	-10.64	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP1A	Z	-18.429	48
42	MP1A	Mx	0	48
43	MP1B	X	-9.556	12
44	MP1B	Z	-16.552	12
45	MP1B	Mx	.005	12
46	MP1B	X	-9.556	48
47	MP1B	Z	-16.552	48
48	MP1B	Mx	.005	48
49	MP1C	X	-7.732	12
50	MP1C	Z	-13.391	12
51	MP1C	Mx	-.007	12
52	MP1C	X	-7.732	48
53	MP1C	Z	-13.391	48
54	MP1C	Mx	-.007	48
55	MP2A	X	-16.567	6
56	MP2A	Z	-28.695	6
57	MP2A	Mx	-.017	6
58	MP2A	X	-16.567	54
59	MP2A	Z	-28.695	54
60	MP2A	Mx	-.017	54
61	MP2B	X	-14.945	6
62	MP2B	Z	-25.885	6
63	MP2B	Mx	.021	6
64	MP2B	X	-14.945	54
65	MP2B	Z	-25.885	54
66	MP2B	Mx	.021	54
67	MP2C	X	-12.212	6
68	MP2C	Z	-21.152	6
69	MP2C	Mx	-.007	6
70	MP2C	X	-12.212	54
71	MP2C	Z	-21.152	54
72	MP2C	Mx	-.007	54
73	MP2A	X	-16.567	6
74	MP2A	Z	-28.695	6
75	MP2A	Mx	.017	6
76	MP2A	X	-16.567	54
77	MP2A	Z	-28.695	54
78	MP2A	Mx	.017	54
79	MP2B	X	-14.945	6
80	MP2B	Z	-25.885	6
81	MP2B	Mx	-.004	6
82	MP2B	X	-14.945	54
83	MP2B	Z	-25.885	54
84	MP2B	Mx	-.004	54
85	MP2C	X	-12.212	6
86	MP2C	Z	-21.152	6
87	MP2C	Mx	-.016	6
88	MP2C	X	-12.212	54
89	MP2C	Z	-21.152	54
90	MP2C	Mx	-.016	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	0	18
2	MP5A	Z	-5.046	18
3	MP5A	Mx	-.001	18
4	MP5A	X	0	42
5	MP5A	Z	-5.046	42
6	MP5A	Mx	-.001	42
7	MP5B	X	0	18
8	MP5B	Z	-2.977	18
9	MP5B	Mx	.001	18
10	MP5B	X	0	42
11	MP5B	Z	-2.977	42
12	MP5B	Mx	.001	42
13	MP5C	X	0	18
14	MP5C	Z	-4.455	18
15	MP5C	Mx	-.001	18
16	MP5C	X	0	42
17	MP5C	Z	-4.455	42
18	MP5C	Mx	-.001	42
19	MP2A	X	0	18
20	MP2A	Z	-4.344	18
21	MP2A	Mx	.001	18
22	MP2B	X	0	18
23	MP2B	Z	-3.446	18
24	MP2B	Mx	-.002	18
25	MP2C	X	0	18
26	MP2C	Z	-4.087	18
27	MP2C	Mx	.001	18
28	MP3A	X	0	18
29	MP3A	Z	-4.193	18
30	MP3A	Mx	.001	18
31	MP3B	X	0	18
32	MP3B	Z	-2.952	18
33	MP3B	Mx	-.001	18
34	MP3C	X	0	18
35	MP3C	Z	-3.839	18
36	MP3C	Mx	.001	18
37	MP1A	X	0	12
38	MP1A	Z	-5.889	12
39	MP1A	Mx	-.001	12
40	MP1A	X	0	48
41	MP1A	Z	-5.889	48
42	MP1A	Mx	-.001	48
43	MP1B	X	0	12
44	MP1B	Z	-4.615	12
45	MP1B	Mx	.002	12
46	MP1B	X	0	48
47	MP1B	Z	-4.615	48
48	MP1B	Mx	.002	48
49	MP1C	X	0	12
50	MP1C	Z	-5.525	12
51	MP1C	Mx	-.002	12
52	MP1C	X	0	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP1C	Z	-5.525	48
54	MP1C	Mx	-.002	48
55	MP2A	X	0	6
56	MP2A	Z	-9.459	6
57	MP2A	Mx	-.006	6
58	MP2A	X	0	54
59	MP2A	Z	-9.459	54
60	MP2A	Mx	-.006	54
61	MP2B	X	0	6
62	MP2B	Z	-7.459	6
63	MP2B	Mx	.005	6
64	MP2B	X	0	54
65	MP2B	Z	-7.459	54
66	MP2B	Mx	.005	54
67	MP2C	X	0	6
68	MP2C	Z	-8.887	6
69	MP2C	Mx	.000548	6
70	MP2C	X	0	54
71	MP2C	Z	-8.887	54
72	MP2C	Mx	.000548	54
73	MP2A	X	0	6
74	MP2A	Z	-9.459	6
75	MP2A	Mx	.002	6
76	MP2A	X	0	54
77	MP2A	Z	-9.459	54
78	MP2A	Mx	.002	54
79	MP2B	X	0	6
80	MP2B	Z	-7.459	6
81	MP2B	Mx	.002	6
82	MP2B	X	0	54
83	MP2B	Z	-7.459	54
84	MP2B	Mx	.002	54
85	MP2C	X	0	6
86	MP2C	Z	-8.887	6
87	MP2C	Mx	-.006	6
88	MP2C	X	0	54
89	MP2C	Z	-8.887	54
90	MP2C	Mx	-.006	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	1.618	18
2	MP5A	Z	-2.802	18
3	MP5A	Mx	-.001	18
4	MP5A	X	1.618	42
5	MP5A	Z	-2.802	42
6	MP5A	Mx	-.001	42
7	MP5B	X	1.179	18
8	MP5B	Z	-2.042	18
9	MP5B	Mx	.001	18
10	MP5B	X	1.179	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	MP5B	Z	-2.042	42
12	MP5B	Mx	.001	42
13	MP5C	X	2.921	18
14	MP5C	Z	-5.06	18
15	MP5C	Mx	-.000507	18
16	MP5C	X	2.921	42
17	MP5C	Z	-5.06	42
18	MP5C	Mx	-.000507	42
19	MP2A	X	1.779	18
20	MP2A	Z	-3.082	18
21	MP2A	Mx	.002	18
22	MP2B	X	1.589	18
23	MP2B	Z	-2.752	18
24	MP2B	Mx	-.002	18
25	MP2C	X	2.344	18
26	MP2C	Z	-4.061	18
27	MP2C	Mx	.000407	18
28	MP3A	X	1.554	18
29	MP3A	Z	-2.691	18
30	MP3A	Mx	.001	18
31	MP3B	X	1.29	18
32	MP3B	Z	-2.235	18
33	MP3B	Mx	-.001	18
34	MP3C	X	2.335	18
35	MP3C	Z	-4.045	18
36	MP3C	Mx	.000406	18
37	MP1A	X	2.387	12
38	MP1A	Z	-4.134	12
39	MP1A	Mx	-.002	12
40	MP1A	X	2.387	48
41	MP1A	Z	-4.134	48
42	MP1A	Mx	-.002	48
43	MP1B	X	2.117	12
44	MP1B	Z	-3.667	12
45	MP1B	Mx	.002	12
46	MP1B	X	2.117	48
47	MP1B	Z	-3.667	48
48	MP1B	Mx	.002	48
49	MP1C	X	3.189	12
50	MP1C	Z	-5.524	12
51	MP1C	Mx	-.000554	12
52	MP1C	X	3.189	48
53	MP1C	Z	-5.524	48
54	MP1C	Mx	-.000554	48
55	MP2A	X	3.854	6
56	MP2A	Z	-6.676	6
57	MP2A	Mx	-.005	6
58	MP2A	X	3.854	54
59	MP2A	Z	-6.676	54
60	MP2A	Mx	-.005	54
61	MP2B	X	3.43	6
62	MP2B	Z	-5.941	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
63	MP2B	Mx	.003	6
64	MP2B	X	3.43	54
65	MP2B	Z	-5.941	54
66	MP2B	Mx	.003	54
67	MP2C	X	5.114	6
68	MP2C	Z	-8.858	6
69	MP2C	Mx	.004	6
70	MP2C	X	5.114	54
71	MP2C	Z	-8.858	54
72	MP2C	Mx	.004	54
73	MP2A	X	3.854	6
74	MP2A	Z	-6.676	6
75	MP2A	Mx	-.001	6
76	MP2A	X	3.854	54
77	MP2A	Z	-6.676	54
78	MP2A	Mx	-.001	54
79	MP2B	X	3.43	6
80	MP2B	Z	-5.941	6
81	MP2B	Mx	.004	6
82	MP2B	X	3.43	54
83	MP2B	Z	-5.941	54
84	MP2B	Mx	.004	54
85	MP2C	X	5.114	6
86	MP2C	Z	-8.858	6
87	MP2C	Mx	-.006	6
88	MP2C	X	5.114	54
89	MP2C	Z	-8.858	54
90	MP2C	Mx	-.006	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	2.018	18
2	MP5A	Z	-1.165	18
3	MP5A	Mx	-.001	18
4	MP5A	X	2.018	42
5	MP5A	Z	-1.165	42
6	MP5A	Mx	-.001	42
7	MP5B	X	3.05	18
8	MP5B	Z	-1.761	18
9	MP5B	Mx	.001	18
10	MP5B	X	3.05	42
11	MP5B	Z	-1.761	42
12	MP5B	Mx	.001	42
13	MP5C	X	4.788	18
14	MP5C	Z	-2.764	18
15	MP5C	Mx	.000946	18
16	MP5C	X	4.788	42
17	MP5C	Z	-2.764	42
18	MP5C	Mx	.000946	42
19	MP2A	X	2.742	18
20	MP2A	Z	-1.583	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP2A	Mx	.002	18
22	MP2B	X	3.189	18
23	MP2B	Z	-1.841	18
24	MP2B	Mx	-.002	18
25	MP2C	X	3.943	18
26	MP2C	Z	-2.276	18
27	MP2C	Mx	-.000779	18
28	MP3A	X	2.221	18
29	MP3A	Z	-1.282	18
30	MP3A	Mx	.001	18
31	MP3B	X	2.84	18
32	MP3B	Z	-1.639	18
33	MP3B	Mx	-.001	18
34	MP3C	X	3.882	18
35	MP3C	Z	-2.241	18
36	MP3C	Mx	-.000767	18
37	MP1A	X	3.652	12
38	MP1A	Z	-2.108	12
39	MP1A	Mx	-.002	12
40	MP1A	X	3.652	48
41	MP1A	Z	-2.108	48
42	MP1A	Mx	-.002	48
43	MP1B	X	4.287	12
44	MP1B	Z	-2.475	12
45	MP1B	Mx	.002	12
46	MP1B	X	4.287	48
47	MP1B	Z	-2.475	48
48	MP1B	Mx	.002	48
49	MP1C	X	5.356	12
50	MP1C	Z	-3.093	12
51	MP1C	Mx	.001	12
52	MP1C	X	5.356	48
53	MP1C	Z	-3.093	48
54	MP1C	Mx	.001	48
55	MP2A	X	5.918	6
56	MP2A	Z	-3.417	6
57	MP2A	Mx	-.003	6
58	MP2A	X	5.918	54
59	MP2A	Z	-3.417	54
60	MP2A	Mx	-.003	54
61	MP2B	X	6.915	6
62	MP2B	Z	-3.993	6
63	MP2B	Mx	.000981	6
64	MP2B	X	6.915	54
65	MP2B	Z	-3.993	54
66	MP2B	Mx	.000981	54
67	MP2C	X	8.595	6
68	MP2C	Z	-4.962	6
69	MP2C	Mx	.006	6
70	MP2C	X	8.595	54
71	MP2C	Z	-4.962	54
72	MP2C	Mx	.006	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
73	MP2A	X	5.918	6
74	MP2A	Z	-3.417	6
75	MP2A	Mx	-.003	6
76	MP2A	X	5.918	54
77	MP2A	Z	-3.417	54
78	MP2A	Mx	-.003	54
79	MP2B	X	6.915	6
80	MP2B	Z	-3.993	6
81	MP2B	Mx	.006	6
82	MP2B	X	6.915	54
83	MP2B	Z	-3.993	54
84	MP2B	Mx	.006	54
85	MP2C	X	8.595	6
86	MP2C	Z	-4.962	6
87	MP2C	Mx	-.003	6
88	MP2C	X	8.595	54
89	MP2C	Z	-4.962	54
90	MP2C	Mx	-.003	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	3.236	18
2	MP5A	Z	0	18
3	MP5A	Mx	-.001	18
4	MP5A	X	3.236	42
5	MP5A	Z	0	42
6	MP5A	Mx	-.001	42
7	MP5B	X	5.305	18
8	MP5B	Z	0	18
9	MP5B	Mx	.001	18
10	MP5B	X	5.305	42
11	MP5B	Z	0	42
12	MP5B	Mx	.001	42
13	MP5C	X	3.827	18
14	MP5C	Z	0	18
15	MP5C	Mx	.001	18
16	MP5C	X	3.827	42
17	MP5C	Z	0	42
18	MP5C	Mx	.001	42
19	MP2A	X	3.558	18
20	MP2A	Z	0	18
21	MP2A	Mx	.002	18
22	MP2B	X	4.456	18
23	MP2B	Z	0	18
24	MP2B	Mx	-.000942	18
25	MP2C	X	3.815	18
26	MP2C	Z	0	18
27	MP2C	Mx	-.001	18
28	MP3A	X	3.107	18
29	MP3A	Z	0	18
30	MP3A	Mx	.001	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
31	MP3B	X	4.348	18
32	MP3B	Z	0	18
33	MP3B	Mx	-.000919	18
34	MP3C	X	3.462	18
35	MP3C	Z	0	18
36	MP3C	Mx	-.001	18
37	MP1A	X	4.774	12
38	MP1A	Z	0	12
39	MP1A	Mx	-.002	12
40	MP1A	X	4.774	48
41	MP1A	Z	0	48
42	MP1A	Mx	-.002	48
43	MP1B	X	6.048	12
44	MP1B	Z	0	12
45	MP1B	Mx	.001	12
46	MP1B	X	6.048	48
47	MP1B	Z	0	48
48	MP1B	Mx	.001	48
49	MP1C	X	5.138	12
50	MP1C	Z	0	12
51	MP1C	Mx	.002	12
52	MP1C	X	5.138	48
53	MP1C	Z	0	48
54	MP1C	Mx	.002	48
55	MP2A	X	7.709	6
56	MP2A	Z	0	6
57	MP2A	Mx	-.001	6
58	MP2A	X	7.709	54
59	MP2A	Z	0	54
60	MP2A	Mx	-.001	54
61	MP2B	X	9.708	6
62	MP2B	Z	0	6
63	MP2B	Mx	-.002	6
64	MP2B	X	9.708	54
65	MP2B	Z	0	54
66	MP2B	Mx	-.002	54
67	MP2C	X	8.28	6
68	MP2C	Z	0	6
69	MP2C	Mx	.006	6
70	MP2C	X	8.28	54
71	MP2C	Z	0	54
72	MP2C	Mx	.006	54
73	MP2A	X	7.709	6
74	MP2A	Z	0	6
75	MP2A	Mx	-.005	6
76	MP2A	X	7.709	54
77	MP2A	Z	0	54
78	MP2A	Mx	-.005	54
79	MP2B	X	9.708	6
80	MP2B	Z	0	6
81	MP2B	Mx	.006	6
82	MP2B	X	9.708	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
83	MP2B	Z	0	54
84	MP2B	Mx	.006	54
85	MP2C	X	8.28	6
86	MP2C	Z	0	6
87	MP2C	Mx	.00051	6
88	MP2C	X	8.28	54
89	MP2C	Z	0	54
90	MP2C	Mx	.00051	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	4.37	18
2	MP5A	Z	2.523	18
3	MP5A	Mx	-.001	18
4	MP5A	X	4.37	42
5	MP5A	Z	2.523	42
6	MP5A	Mx	-.001	42
7	MP5B	X	5.131	18
8	MP5B	Z	2.962	18
9	MP5B	Mx	-.000258	18
10	MP5B	X	5.131	42
11	MP5B	Z	2.962	42
12	MP5B	Mx	-.000258	42
13	MP5C	X	2.113	18
14	MP5C	Z	1.22	18
15	MP5C	Mx	.001	18
16	MP5C	X	2.113	42
17	MP5C	Z	1.22	42
18	MP5C	Mx	.001	42
19	MP2A	X	3.762	18
20	MP2A	Z	2.172	18
21	MP2A	Mx	.001	18
22	MP2B	X	4.091	18
23	MP2B	Z	2.362	18
24	MP2B	Mx	.000206	18
25	MP2C	X	2.783	18
26	MP2C	Z	1.607	18
27	MP2C	Mx	-.002	18
28	MP3A	X	3.631	18
29	MP3A	Z	2.097	18
30	MP3A	Mx	.001	18
31	MP3B	X	4.087	18
32	MP3B	Z	2.36	18
33	MP3B	Mx	.000206	18
34	MP3C	X	2.278	18
35	MP3C	Z	1.315	18
36	MP3C	Mx	-.001	18
37	MP1A	X	5.1	12
38	MP1A	Z	2.944	12
39	MP1A	Mx	-.001	12
40	MP1A	X	5.1	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP1A	Z	2.944	48
42	MP1A	Mx	-.001	48
43	MP1B	X	5.568	12
44	MP1B	Z	3.214	12
45	MP1B	Mx	-.00028	12
46	MP1B	X	5.568	48
47	MP1B	Z	3.214	48
48	MP1B	Mx	-.00028	48
49	MP1C	X	3.71	12
50	MP1C	Z	2.142	12
51	MP1C	Mx	.002	12
52	MP1C	X	3.71	48
53	MP1C	Z	2.142	48
54	MP1C	Mx	.002	48
55	MP2A	X	8.191	6
56	MP2A	Z	4.729	6
57	MP2A	Mx	.002	6
58	MP2A	X	8.191	54
59	MP2A	Z	4.729	54
60	MP2A	Mx	.002	54
61	MP2B	X	8.926	6
62	MP2B	Z	5.153	6
63	MP2B	Mx	-.006	6
64	MP2B	X	8.926	54
65	MP2B	Z	5.153	54
66	MP2B	Mx	-.006	54
67	MP2C	X	6.009	6
68	MP2C	Z	3.47	6
69	MP2C	Mx	.004	6
70	MP2C	X	6.009	54
71	MP2C	Z	3.47	54
72	MP2C	Mx	.004	54
73	MP2A	X	8.191	6
74	MP2A	Z	4.729	6
75	MP2A	Mx	-.006	6
76	MP2A	X	8.191	54
77	MP2A	Z	4.729	54
78	MP2A	Mx	-.006	54
79	MP2B	X	8.926	6
80	MP2B	Z	5.153	6
81	MP2B	Mx	.005	6
82	MP2B	X	8.926	54
83	MP2B	Z	5.153	54
84	MP2B	Mx	.005	54
85	MP2C	X	6.009	6
86	MP2C	Z	3.47	6
87	MP2C	Mx	.003	6
88	MP2C	X	6.009	54
89	MP2C	Z	3.47	54
90	MP2C	Mx	.003	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	2.976	18
2	MP5A	Z	5.154	18
3	MP5A	Mx	0	18
4	MP5A	X	2.976	42
5	MP5A	Z	5.154	42
6	MP5A	Mx	0	42
7	MP5B	X	2.38	18
8	MP5B	Z	4.123	18
9	MP5B	Mx	-.001	18
10	MP5B	X	2.38	42
11	MP5B	Z	4.123	42
12	MP5B	Mx	-.001	42
13	MP5C	X	1.377	18
14	MP5C	Z	2.385	18
15	MP5C	Mx	.001	18
16	MP5C	X	1.377	42
17	MP5C	Z	2.385	42
18	MP5C	Mx	.001	42
19	MP2A	X	2.368	18
20	MP2A	Z	4.102	18
21	MP2A	Mx	0	18
22	MP2B	X	2.11	18
23	MP2B	Z	3.654	18
24	MP2B	Mx	.001	18
25	MP2C	X	1.675	18
26	MP2C	Z	2.901	18
27	MP2C	Mx	-.002	18
28	MP3A	X	2.368	18
29	MP3A	Z	4.102	18
30	MP3A	Mx	0	18
31	MP3B	X	2.011	18
32	MP3B	Z	3.483	18
33	MP3B	Mx	.001	18
34	MP3C	X	1.409	18
35	MP3C	Z	2.441	18
36	MP3C	Mx	-.001	18
37	MP1A	X	3.223	12
38	MP1A	Z	5.582	12
39	MP1A	Mx	0	12
40	MP1A	X	3.223	48
41	MP1A	Z	5.582	48
42	MP1A	Mx	0	48
43	MP1B	X	2.856	12
44	MP1B	Z	4.947	12
45	MP1B	Mx	-.002	12
46	MP1B	X	2.856	48
47	MP1B	Z	4.947	48
48	MP1B	Mx	-.002	48
49	MP1C	X	2.239	12
50	MP1C	Z	3.878	12
51	MP1C	Mx	.002	12
52	MP1C	X	2.239	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP1C	Z	3.878	48
54	MP1C	Mx	.002	48
55	MP2A	X	5.167	6
56	MP2A	Z	8.949	6
57	MP2A	Mx	.005	6
58	MP2A	X	5.167	54
59	MP2A	Z	8.949	54
60	MP2A	Mx	.005	54
61	MP2B	X	4.591	6
62	MP2B	Z	7.952	6
63	MP2B	Mx	-.006	6
64	MP2B	X	4.591	54
65	MP2B	Z	7.952	54
66	MP2B	Mx	-.006	54
67	MP2C	X	3.622	6
68	MP2C	Z	6.273	6
69	MP2C	Mx	.002	6
70	MP2C	X	3.622	54
71	MP2C	Z	6.273	54
72	MP2C	Mx	.002	54
73	MP2A	X	5.167	6
74	MP2A	Z	8.949	6
75	MP2A	Mx	-.005	6
76	MP2A	X	5.167	54
77	MP2A	Z	8.949	54
78	MP2A	Mx	-.005	54
79	MP2B	X	4.591	6
80	MP2B	Z	7.952	6
81	MP2B	Mx	.001	6
82	MP2B	X	4.591	54
83	MP2B	Z	7.952	54
84	MP2B	Mx	.001	54
85	MP2C	X	3.622	6
86	MP2C	Z	6.273	6
87	MP2C	Mx	.005	6
88	MP2C	X	3.622	54
89	MP2C	Z	6.273	54
90	MP2C	Mx	.005	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	0	18
2	MP5A	Z	5.046	18
3	MP5A	Mx	.001	18
4	MP5A	X	0	42
5	MP5A	Z	5.046	42
6	MP5A	Mx	.001	42
7	MP5B	X	0	18
8	MP5B	Z	2.977	18
9	MP5B	Mx	-.001	18
10	MP5B	X	0	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	MP5B	Z	2.977	42
12	MP5B	Mx	-.001	42
13	MP5C	X	0	18
14	MP5C	Z	4.455	18
15	MP5C	Mx	.001	18
16	MP5C	X	0	42
17	MP5C	Z	4.455	42
18	MP5C	Mx	.001	42
19	MP2A	X	0	18
20	MP2A	Z	4.344	18
21	MP2A	Mx	-.001	18
22	MP2B	X	0	18
23	MP2B	Z	3.446	18
24	MP2B	Mx	.002	18
25	MP2C	X	0	18
26	MP2C	Z	4.087	18
27	MP2C	Mx	-.001	18
28	MP3A	X	0	18
29	MP3A	Z	4.193	18
30	MP3A	Mx	-.001	18
31	MP3B	X	0	18
32	MP3B	Z	2.952	18
33	MP3B	Mx	.001	18
34	MP3C	X	0	18
35	MP3C	Z	3.839	18
36	MP3C	Mx	-.001	18
37	MP1A	X	0	12
38	MP1A	Z	5.889	12
39	MP1A	Mx	.001	12
40	MP1A	X	0	48
41	MP1A	Z	5.889	48
42	MP1A	Mx	.001	48
43	MP1B	X	0	12
44	MP1B	Z	4.615	12
45	MP1B	Mx	-.002	12
46	MP1B	X	0	48
47	MP1B	Z	4.615	48
48	MP1B	Mx	-.002	48
49	MP1C	X	0	12
50	MP1C	Z	5.525	12
51	MP1C	Mx	.002	12
52	MP1C	X	0	48
53	MP1C	Z	5.525	48
54	MP1C	Mx	.002	48
55	MP2A	X	0	6
56	MP2A	Z	9.459	6
57	MP2A	Mx	.006	6
58	MP2A	X	0	54
59	MP2A	Z	9.459	54
60	MP2A	Mx	.006	54
61	MP2B	X	0	6
62	MP2B	Z	7.459	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
63	MP2B	Mx	-.005	6
64	MP2B	X	0	54
65	MP2B	Z	7.459	54
66	MP2B	Mx	-.005	54
67	MP2C	X	0	6
68	MP2C	Z	8.887	6
69	MP2C	Mx	-.000548	6
70	MP2C	X	0	54
71	MP2C	Z	8.887	54
72	MP2C	Mx	-.000548	54
73	MP2A	X	0	6
74	MP2A	Z	9.459	6
75	MP2A	Mx	-.002	6
76	MP2A	X	0	54
77	MP2A	Z	9.459	54
78	MP2A	Mx	-.002	54
79	MP2B	X	0	6
80	MP2B	Z	7.459	6
81	MP2B	Mx	-.002	6
82	MP2B	X	0	54
83	MP2B	Z	7.459	54
84	MP2B	Mx	-.002	54
85	MP2C	X	0	6
86	MP2C	Z	8.887	6
87	MP2C	Mx	.006	6
88	MP2C	X	0	54
89	MP2C	Z	8.887	54
90	MP2C	Mx	.006	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	-1.618	18
2	MP5A	Z	2.802	18
3	MP5A	Mx	.001	18
4	MP5A	X	-1.618	42
5	MP5A	Z	2.802	42
6	MP5A	Mx	.001	42
7	MP5B	X	-1.179	18
8	MP5B	Z	2.042	18
9	MP5B	Mx	-.001	18
10	MP5B	X	-1.179	42
11	MP5B	Z	2.042	42
12	MP5B	Mx	-.001	42
13	MP5C	X	-2.921	18
14	MP5C	Z	5.06	18
15	MP5C	Mx	.000507	18
16	MP5C	X	-2.921	42
17	MP5C	Z	5.06	42
18	MP5C	Mx	.000507	42
19	MP2A	X	-1.779	18
20	MP2A	Z	3.082	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP2A	Mx	-.002	18
22	MP2B	X	-1.589	18
23	MP2B	Z	2.752	18
24	MP2B	Mx	.002	18
25	MP2C	X	-2.344	18
26	MP2C	Z	4.061	18
27	MP2C	Mx	-.000407	18
28	MP3A	X	-1.554	18
29	MP3A	Z	2.691	18
30	MP3A	Mx	-.001	18
31	MP3B	X	-1.29	18
32	MP3B	Z	2.235	18
33	MP3B	Mx	.001	18
34	MP3C	X	-2.335	18
35	MP3C	Z	4.045	18
36	MP3C	Mx	-.000406	18
37	MP1A	X	-2.387	12
38	MP1A	Z	4.134	12
39	MP1A	Mx	.002	12
40	MP1A	X	-2.387	48
41	MP1A	Z	4.134	48
42	MP1A	Mx	.002	48
43	MP1B	X	-2.117	12
44	MP1B	Z	3.667	12
45	MP1B	Mx	-.002	12
46	MP1B	X	-2.117	48
47	MP1B	Z	3.667	48
48	MP1B	Mx	-.002	48
49	MP1C	X	-3.189	12
50	MP1C	Z	5.524	12
51	MP1C	Mx	.000554	12
52	MP1C	X	-3.189	48
53	MP1C	Z	5.524	48
54	MP1C	Mx	.000554	48
55	MP2A	X	-3.854	6
56	MP2A	Z	6.676	6
57	MP2A	Mx	.005	6
58	MP2A	X	-3.854	54
59	MP2A	Z	6.676	54
60	MP2A	Mx	.005	54
61	MP2B	X	-3.43	6
62	MP2B	Z	5.941	6
63	MP2B	Mx	-.003	6
64	MP2B	X	-3.43	54
65	MP2B	Z	5.941	54
66	MP2B	Mx	-.003	54
67	MP2C	X	-5.114	6
68	MP2C	Z	8.858	6
69	MP2C	Mx	-.004	6
70	MP2C	X	-5.114	54
71	MP2C	Z	8.858	54
72	MP2C	Mx	-.004	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
73	MP2A	X	-3.854	6
74	MP2A	Z	6.676	6
75	MP2A	Mx	.001	6
76	MP2A	X	-3.854	54
77	MP2A	Z	6.676	54
78	MP2A	Mx	.001	54
79	MP2B	X	-3.43	6
80	MP2B	Z	5.941	6
81	MP2B	Mx	-.004	6
82	MP2B	X	-3.43	54
83	MP2B	Z	5.941	54
84	MP2B	Mx	-.004	54
85	MP2C	X	-5.114	6
86	MP2C	Z	8.858	6
87	MP2C	Mx	.006	6
88	MP2C	X	-5.114	54
89	MP2C	Z	8.858	54
90	MP2C	Mx	.006	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	-2.018	18
2	MP5A	Z	1.165	18
3	MP5A	Mx	.001	18
4	MP5A	X	-2.018	42
5	MP5A	Z	1.165	42
6	MP5A	Mx	.001	42
7	MP5B	X	-3.05	18
8	MP5B	Z	1.761	18
9	MP5B	Mx	-.001	18
10	MP5B	X	-3.05	42
11	MP5B	Z	1.761	42
12	MP5B	Mx	-.001	42
13	MP5C	X	-4.788	18
14	MP5C	Z	2.764	18
15	MP5C	Mx	-.000946	18
16	MP5C	X	-4.788	42
17	MP5C	Z	2.764	42
18	MP5C	Mx	-.000946	42
19	MP2A	X	-2.742	18
20	MP2A	Z	1.583	18
21	MP2A	Mx	-.002	18
22	MP2B	X	-3.189	18
23	MP2B	Z	1.841	18
24	MP2B	Mx	.002	18
25	MP2C	X	-3.943	18
26	MP2C	Z	2.276	18
27	MP2C	Mx	.000779	18
28	MP3A	X	-2.221	18
29	MP3A	Z	1.282	18
30	MP3A	Mx	-.001	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
31	MP3B	X	-2.84	18
32	MP3B	Z	1.639	18
33	MP3B	Mx	.001	18
34	MP3C	X	-3.882	18
35	MP3C	Z	2.241	18
36	MP3C	Mx	.000767	18
37	MP1A	X	-3.652	12
38	MP1A	Z	2.108	12
39	MP1A	Mx	.002	12
40	MP1A	X	-3.652	48
41	MP1A	Z	2.108	48
42	MP1A	Mx	.002	48
43	MP1B	X	-4.287	12
44	MP1B	Z	2.475	12
45	MP1B	Mx	-.002	12
46	MP1B	X	-4.287	48
47	MP1B	Z	2.475	48
48	MP1B	Mx	-.002	48
49	MP1C	X	-5.356	12
50	MP1C	Z	3.093	12
51	MP1C	Mx	-.001	12
52	MP1C	X	-5.356	48
53	MP1C	Z	3.093	48
54	MP1C	Mx	-.001	48
55	MP2A	X	-5.918	6
56	MP2A	Z	3.417	6
57	MP2A	Mx	.003	6
58	MP2A	X	-5.918	54
59	MP2A	Z	3.417	54
60	MP2A	Mx	.003	54
61	MP2B	X	-6.915	6
62	MP2B	Z	3.993	6
63	MP2B	Mx	-.000981	6
64	MP2B	X	-6.915	54
65	MP2B	Z	3.993	54
66	MP2B	Mx	-.000981	54
67	MP2C	X	-8.595	6
68	MP2C	Z	4.962	6
69	MP2C	Mx	-.006	6
70	MP2C	X	-8.595	54
71	MP2C	Z	4.962	54
72	MP2C	Mx	-.006	54
73	MP2A	X	-5.918	6
74	MP2A	Z	3.417	6
75	MP2A	Mx	.003	6
76	MP2A	X	-5.918	54
77	MP2A	Z	3.417	54
78	MP2A	Mx	.003	54
79	MP2B	X	-6.915	6
80	MP2B	Z	3.993	6
81	MP2B	Mx	-.006	6
82	MP2B	X	-6.915	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
83	MP2B	Z	3.993	54
84	MP2B	Mx	-.006	54
85	MP2C	X	-8.595	6
86	MP2C	Z	4.962	6
87	MP2C	Mx	.003	6
88	MP2C	X	-8.595	54
89	MP2C	Z	4.962	54
90	MP2C	Mx	.003	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	-3.236	18
2	MP5A	Z	0	18
3	MP5A	Mx	.001	18
4	MP5A	X	-3.236	42
5	MP5A	Z	0	42
6	MP5A	Mx	.001	42
7	MP5B	X	-5.305	18
8	MP5B	Z	0	18
9	MP5B	Mx	-.001	18
10	MP5B	X	-5.305	42
11	MP5B	Z	0	42
12	MP5B	Mx	-.001	42
13	MP5C	X	-3.827	18
14	MP5C	Z	0	18
15	MP5C	Mx	-.001	18
16	MP5C	X	-3.827	42
17	MP5C	Z	0	42
18	MP5C	Mx	-.001	42
19	MP2A	X	-3.558	18
20	MP2A	Z	0	18
21	MP2A	Mx	-.002	18
22	MP2B	X	-4.456	18
23	MP2B	Z	0	18
24	MP2B	Mx	.000942	18
25	MP2C	X	-3.815	18
26	MP2C	Z	0	18
27	MP2C	Mx	.001	18
28	MP3A	X	-3.107	18
29	MP3A	Z	0	18
30	MP3A	Mx	-.001	18
31	MP3B	X	-4.348	18
32	MP3B	Z	0	18
33	MP3B	Mx	.000919	18
34	MP3C	X	-3.462	18
35	MP3C	Z	0	18
36	MP3C	Mx	.001	18
37	MP1A	X	-4.774	12
38	MP1A	Z	0	12
39	MP1A	Mx	.002	12
40	MP1A	X	-4.774	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP1A	Z	0	48
42	MP1A	Mx	.002	48
43	MP1B	X	-6.048	12
44	MP1B	Z	0	12
45	MP1B	Mx	-.001	12
46	MP1B	X	-6.048	48
47	MP1B	Z	0	48
48	MP1B	Mx	-.001	48
49	MP1C	X	-5.138	12
50	MP1C	Z	0	12
51	MP1C	Mx	-.002	12
52	MP1C	X	-5.138	48
53	MP1C	Z	0	48
54	MP1C	Mx	-.002	48
55	MP2A	X	-7.709	6
56	MP2A	Z	0	6
57	MP2A	Mx	.001	6
58	MP2A	X	-7.709	54
59	MP2A	Z	0	54
60	MP2A	Mx	.001	54
61	MP2B	X	-9.708	6
62	MP2B	Z	0	6
63	MP2B	Mx	.002	6
64	MP2B	X	-9.708	54
65	MP2B	Z	0	54
66	MP2B	Mx	.002	54
67	MP2C	X	-8.28	6
68	MP2C	Z	0	6
69	MP2C	Mx	-.006	6
70	MP2C	X	-8.28	54
71	MP2C	Z	0	54
72	MP2C	Mx	-.006	54
73	MP2A	X	-7.709	6
74	MP2A	Z	0	6
75	MP2A	Mx	.005	6
76	MP2A	X	-7.709	54
77	MP2A	Z	0	54
78	MP2A	Mx	.005	54
79	MP2B	X	-9.708	6
80	MP2B	Z	0	6
81	MP2B	Mx	-.006	6
82	MP2B	X	-9.708	54
83	MP2B	Z	0	54
84	MP2B	Mx	-.006	54
85	MP2C	X	-8.28	6
86	MP2C	Z	0	6
87	MP2C	Mx	-.00051	6
88	MP2C	X	-8.28	54
89	MP2C	Z	0	54
90	MP2C	Mx	-.00051	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	-4.37	18
2	MP5A	Z	-2.523	18
3	MP5A	Mx	.001	18
4	MP5A	X	-4.37	42
5	MP5A	Z	-2.523	42
6	MP5A	Mx	.001	42
7	MP5B	X	-5.131	18
8	MP5B	Z	-2.962	18
9	MP5B	Mx	.000258	18
10	MP5B	X	-5.131	42
11	MP5B	Z	-2.962	42
12	MP5B	Mx	.000258	42
13	MP5C	X	-2.113	18
14	MP5C	Z	-1.22	18
15	MP5C	Mx	-.001	18
16	MP5C	X	-2.113	42
17	MP5C	Z	-1.22	42
18	MP5C	Mx	-.001	42
19	MP2A	X	-3.762	18
20	MP2A	Z	-2.172	18
21	MP2A	Mx	-.001	18
22	MP2B	X	-4.091	18
23	MP2B	Z	-2.362	18
24	MP2B	Mx	-.000206	18
25	MP2C	X	-2.783	18
26	MP2C	Z	-1.607	18
27	MP2C	Mx	.002	18
28	MP3A	X	-3.631	18
29	MP3A	Z	-2.097	18
30	MP3A	Mx	-.001	18
31	MP3B	X	-4.087	18
32	MP3B	Z	-2.36	18
33	MP3B	Mx	-.000206	18
34	MP3C	X	-2.278	18
35	MP3C	Z	-1.315	18
36	MP3C	Mx	.001	18
37	MP1A	X	-5.1	12
38	MP1A	Z	-2.944	12
39	MP1A	Mx	.001	12
40	MP1A	X	-5.1	48
41	MP1A	Z	-2.944	48
42	MP1A	Mx	.001	48
43	MP1B	X	-5.568	12
44	MP1B	Z	-3.214	12
45	MP1B	Mx	.00028	12
46	MP1B	X	-5.568	48
47	MP1B	Z	-3.214	48
48	MP1B	Mx	.00028	48
49	MP1C	X	-3.71	12
50	MP1C	Z	-2.142	12
51	MP1C	Mx	-.002	12
52	MP1C	X	-3.71	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP1C	Z	-2.142	48
54	MP1C	Mx	-.002	48
55	MP2A	X	-8.191	6
56	MP2A	Z	-4.729	6
57	MP2A	Mx	-.002	6
58	MP2A	X	-8.191	54
59	MP2A	Z	-4.729	54
60	MP2A	Mx	-.002	54
61	MP2B	X	-8.926	6
62	MP2B	Z	-5.153	6
63	MP2B	Mx	.006	6
64	MP2B	X	-8.926	54
65	MP2B	Z	-5.153	54
66	MP2B	Mx	.006	54
67	MP2C	X	-6.009	6
68	MP2C	Z	-3.47	6
69	MP2C	Mx	-.004	6
70	MP2C	X	-6.009	54
71	MP2C	Z	-3.47	54
72	MP2C	Mx	-.004	54
73	MP2A	X	-8.191	6
74	MP2A	Z	-4.729	6
75	MP2A	Mx	.006	6
76	MP2A	X	-8.191	54
77	MP2A	Z	-4.729	54
78	MP2A	Mx	.006	54
79	MP2B	X	-8.926	6
80	MP2B	Z	-5.153	6
81	MP2B	Mx	-.005	6
82	MP2B	X	-8.926	54
83	MP2B	Z	-5.153	54
84	MP2B	Mx	-.005	54
85	MP2C	X	-6.009	6
86	MP2C	Z	-3.47	6
87	MP2C	Mx	-.003	6
88	MP2C	X	-6.009	54
89	MP2C	Z	-3.47	54
90	MP2C	Mx	-.003	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP5A	X	-2.976	18
2	MP5A	Z	-5.154	18
3	MP5A	Mx	0	18
4	MP5A	X	-2.976	42
5	MP5A	Z	-5.154	42
6	MP5A	Mx	0	42
7	MP5B	X	-2.38	18
8	MP5B	Z	-4.123	18
9	MP5B	Mx	.001	18
10	MP5B	X	-2.38	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	MP5B	Z	-4.123	42
12	MP5B	Mx	.001	42
13	MP5C	X	-1.377	18
14	MP5C	Z	-2.385	18
15	MP5C	Mx	-.001	18
16	MP5C	X	-1.377	42
17	MP5C	Z	-2.385	42
18	MP5C	Mx	-.001	42
19	MP2A	X	-2.368	18
20	MP2A	Z	-4.102	18
21	MP2A	Mx	0	18
22	MP2B	X	-2.11	18
23	MP2B	Z	-3.654	18
24	MP2B	Mx	-.001	18
25	MP2C	X	-1.675	18
26	MP2C	Z	-2.901	18
27	MP2C	Mx	.002	18
28	MP3A	X	-2.368	18
29	MP3A	Z	-4.102	18
30	MP3A	Mx	0	18
31	MP3B	X	-2.011	18
32	MP3B	Z	-3.483	18
33	MP3B	Mx	-.001	18
34	MP3C	X	-1.409	18
35	MP3C	Z	-2.441	18
36	MP3C	Mx	.001	18
37	MP1A	X	-3.223	12
38	MP1A	Z	-5.582	12
39	MP1A	Mx	0	12
40	MP1A	X	-3.223	48
41	MP1A	Z	-5.582	48
42	MP1A	Mx	0	48
43	MP1B	X	-2.856	12
44	MP1B	Z	-4.947	12
45	MP1B	Mx	.002	12
46	MP1B	X	-2.856	48
47	MP1B	Z	-4.947	48
48	MP1B	Mx	.002	48
49	MP1C	X	-2.239	12
50	MP1C	Z	-3.878	12
51	MP1C	Mx	-.002	12
52	MP1C	X	-2.239	48
53	MP1C	Z	-3.878	48
54	MP1C	Mx	-.002	48
55	MP2A	X	-5.167	6
56	MP2A	Z	-8.949	6
57	MP2A	Mx	-.005	6
58	MP2A	X	-5.167	54
59	MP2A	Z	-8.949	54
60	MP2A	Mx	-.005	54
61	MP2B	X	-4.591	6
62	MP2B	Z	-7.952	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
63	MP2B	Mx	.006	6
64	MP2B	X	-4.591	54
65	MP2B	Z	-7.952	54
66	MP2B	Mx	.006	54
67	MP2C	X	-3.622	6
68	MP2C	Z	-6.273	6
69	MP2C	Mx	-.002	6
70	MP2C	X	-3.622	54
71	MP2C	Z	-6.273	54
72	MP2C	Mx	-.002	54
73	MP2A	X	-5.167	6
74	MP2A	Z	-8.949	6
75	MP2A	Mx	.005	6
76	MP2A	X	-5.167	54
77	MP2A	Z	-8.949	54
78	MP2A	Mx	.005	54
79	MP2B	X	-4.591	6
80	MP2B	Z	-7.952	6
81	MP2B	Mx	-.001	6
82	MP2B	X	-4.591	54
83	MP2B	Z	-7.952	54
84	MP2B	Mx	-.001	54
85	MP2C	X	-3.622	6
86	MP2C	Z	-6.273	6
87	MP2C	Mx	-.005	6
88	MP2C	X	-3.622	54
89	MP2C	Z	-6.273	54
90	MP2C	Mx	-.005	54

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M1	Y	-500	%80

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M1	Y	-500	%6

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	Y	-12.289	-12.289	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
2	M2	Y	-12.289	-12.289	0	%100
3	M3	Y	-12.289	-12.289	0	%100
4	M4	Y	-12.289	-12.289	0	%100
5	M5	Y	-15.216	-15.216	0	%100
6	M6	Y	-12.289	-12.289	0	%100
7	M7	Y	-12.289	-12.289	0	%100
8	M8	Y	-12.289	-12.289	0	%100
9	M9	Y	-12.289	-12.289	0	%100
10	M10	Y	-15.216	-15.216	0	%100
11	M11	Y	-12.289	-12.289	0	%100
12	M12	Y	-12.289	-12.289	0	%100
13	M13	Y	-12.289	-12.289	0	%100
14	M14	Y	-12.289	-12.289	0	%100
15	M15	Y	-15.216	-15.216	0	%100
16	MP1A	Y	-8.423	-8.423	0	%100
17	MP2A	Y	-9.458	-9.458	0	%100
18	MP3A	Y	-8.423	-8.423	0	%100
19	MP4A	Y	-8.423	-8.423	0	%100
20	MP5A	Y	-8.423	-8.423	0	%100
21	M62	Y	-16.679	-16.679	0	%100
22	M63	Y	-16.679	-16.679	0	%100
23	M64	Y	-16.679	-16.679	0	%100
24	MP1C	Y	-8.423	-8.423	0	%100
25	MP2C	Y	-9.458	-9.458	0	%100
26	MP3C	Y	-8.423	-8.423	0	%100
27	MP4C	Y	-8.423	-8.423	0	%100
28	MP5C	Y	-8.423	-8.423	0	%100
29	MP1B	Y	-8.423	-8.423	0	%100
30	MP2B	Y	-9.458	-9.458	0	%100
31	MP3B	Y	-8.423	-8.423	0	%100
32	MP4B	Y	-8.423	-8.423	0	%100
33	MP5B	Y	-8.423	-8.423	0	%100
34	M65	Y	-9.458	-9.458	0	%100
35	M81A	Y	-9.458	-9.458	0	%100
36	M82A	Y	-9.458	-9.458	0	%100
37	M89	Y	-12.289	-12.289	0	%100
38	M90	Y	-12.289	-12.289	0	%100
39	M91	Y	-12.289	-12.289	0	%100
40	M92	Y	-10.825	-10.825	0	%100
41	M93	Y	-10.825	-10.825	0	%100
42	M94	Y	-10.825	-10.825	0	%100
43	M95	Y	-10.825	-10.825	0	%100
44	M96	Y	-10.825	-10.825	0	%100
45	M97	Y	-10.825	-10.825	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	-19.592	-19.592	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-12.514	-12.514	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
5	M3	X	0	0	0	%100
6	M3	Z	-19.592	-19.592	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-12.514	-12.514	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-4.898	-4.898	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-4.8e-5	-4.8e-5	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-4.898	-4.898	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-12.465	-12.465	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-8.902	-8.902	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-4.898	-4.898	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-12.465	-12.465	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	-4.898	-4.898	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-4.8e-5	-4.8e-5	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	-8.902	-8.902	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	-9.306	-9.306	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-11.265	-11.265	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-9.306	-9.306	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-9.306	-9.306	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	-9.306	-9.306	0	%100
41	M62	X	0	0	0	%100
42	M62	Z	0	0	0	%100
43	M63	X	0	0	0	%100
44	M63	Z	-10.935	-10.935	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	-10.935	-10.935	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	-9.306	-9.306	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	-11.265	-11.265	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	-9.306	-9.306	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	-9.306	-9.306	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	-9.306	-9.306	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
57	MP1B	X	0	0	0	%100
58	MP1B	Z	-9.306	-9.306	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	-11.265	-11.265	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	-9.306	-9.306	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-9.306	-9.306	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	-9.306	-9.306	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-11.265	-11.265	0	%100
69	M81A	X	0	0	0	%100
70	M81A	Z	-2.816	-2.816	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	-2.816	-2.816	0	%100
73	M89	X	0	0	0	%100
74	M89	Z	-3.212	-3.212	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-3.212	-3.212	0	%100
77	M91	X	0	0	0	%100
78	M91	Z	-12.846	-12.846	0	%100
79	M92	X	0	0	0	%100
80	M92	Z	-8.517	-8.517	0	%100
81	M93	X	0	0	0	%100
82	M93	Z	-8.517	-8.517	0	%100
83	M94	X	0	0	0	%100
84	M94	Z	-13.931	-13.931	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	-1.25	-1.25	0	%100
87	M96	X	0	0	0	%100
88	M96	Z	-1.25	-1.25	0	%100
89	M97	X	0	0	0	%100
90	M97	Z	-13.931	-13.931	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	7.347	7.347	0	%100
2	M1	Z	-12.725	-12.725	0	%100
3	M2	X	8.327	8.327	0	%100
4	M2	Z	-14.422	-14.422	0	%100
5	M3	X	7.347	7.347	0	%100
6	M3	Z	-12.725	-12.725	0	%100
7	M4	X	2.094	2.094	0	%100
8	M4	Z	-3.627	-3.627	0	%100
9	M5	X	1.484	1.484	0	%100
10	M5	Z	-2.57	-2.57	0	%100
11	M6	X	7.347	7.347	0	%100
12	M6	Z	-12.725	-12.725	0	%100
13	M7	X	2.094	2.094	0	%100
14	M7	Z	-3.627	-3.627	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
15	M8	X	7.347	7.347	0	%100
16	M8	Z	-12.725	-12.725	0	%100
17	M9	X	8.327	8.327	0	%100
18	M9	Z	-14.422	-14.422	0	%100
19	M10	X	1.484	1.484	0	%100
20	M10	Z	-2.57	-2.57	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	2.069	2.069	0	%100
24	M12	Z	-3.584	-3.584	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	2.069	2.069	0	%100
28	M14	Z	-3.584	-3.584	0	%100
29	M15	X	5.935	5.935	0	%100
30	M15	Z	-10.279	-10.279	0	%100
31	MP1A	X	4.653	4.653	0	%100
32	MP1A	Z	-8.059	-8.059	0	%100
33	MP2A	X	5.633	5.633	0	%100
34	MP2A	Z	-9.756	-9.756	0	%100
35	MP3A	X	4.653	4.653	0	%100
36	MP3A	Z	-8.059	-8.059	0	%100
37	MP4A	X	4.653	4.653	0	%100
38	MP4A	Z	-8.059	-8.059	0	%100
39	MP5A	X	4.653	4.653	0	%100
40	MP5A	Z	-8.059	-8.059	0	%100
41	M62	X	1.823	1.823	0	%100
42	M62	Z	-3.157	-3.157	0	%100
43	M63	X	1.823	1.823	0	%100
44	M63	Z	-3.157	-3.157	0	%100
45	M64	X	7.29	7.29	0	%100
46	M64	Z	-12.627	-12.627	0	%100
47	MP1C	X	4.653	4.653	0	%100
48	MP1C	Z	-8.059	-8.059	0	%100
49	MP2C	X	5.633	5.633	0	%100
50	MP2C	Z	-9.756	-9.756	0	%100
51	MP3C	X	4.653	4.653	0	%100
52	MP3C	Z	-8.059	-8.059	0	%100
53	MP4C	X	4.653	4.653	0	%100
54	MP4C	Z	-8.059	-8.059	0	%100
55	MP5C	X	4.653	4.653	0	%100
56	MP5C	Z	-8.059	-8.059	0	%100
57	MP1B	X	4.653	4.653	0	%100
58	MP1B	Z	-8.059	-8.059	0	%100
59	MP2B	X	5.633	5.633	0	%100
60	MP2B	Z	-9.756	-9.756	0	%100
61	MP3B	X	4.653	4.653	0	%100
62	MP3B	Z	-8.059	-8.059	0	%100
63	MP4B	X	4.653	4.653	0	%100
64	MP4B	Z	-8.059	-8.059	0	%100
65	MP5B	X	4.653	4.653	0	%100
66	MP5B	Z	-8.059	-8.059	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
67	M65	X	4.225	4.225	0	%100
68	M65	Z	-7.317	-7.317	0	%100
69	M81A	X	4.225	4.225	0	%100
70	M81A	Z	-7.317	-7.317	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	0	0	0	%100
73	M89	X	4.817	4.817	0	%100
74	M89	Z	-8.344	-8.344	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M91	X	4.817	4.817	0	%100
78	M91	Z	-8.344	-8.344	0	%100
79	M92	X	.934	.934	0	%100
80	M92	Z	-1.617	-1.617	0	%100
81	M93	X	7.274	7.274	0	%100
82	M93	Z	-12.599	-12.599	0	%100
83	M94	X	7.274	7.274	0	%100
84	M94	Z	-12.599	-12.599	0	%100
85	M95	X	.934	.934	0	%100
86	M95	Z	-1.617	-1.617	0	%100
87	M96	X	3.641	3.641	0	%100
88	M96	Z	-6.306	-6.306	0	%100
89	M97	X	3.641	3.641	0	%100
90	M97	Z	-6.306	-6.306	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	4.242	4.242	0	%100
2	M1	Z	-2.449	-2.449	0	%100
3	M2	X	10.795	10.795	0	%100
4	M2	Z	-6.233	-6.233	0	%100
5	M3	X	4.242	4.242	0	%100
6	M3	Z	-2.449	-2.449	0	%100
7	M4	X	4.1e-5	4.1e-5	0	%100
8	M4	Z	-2.4e-5	-2.4e-5	0	%100
9	M5	X	7.71	7.71	0	%100
10	M5	Z	-4.451	-4.451	0	%100
11	M6	X	16.967	16.967	0	%100
12	M6	Z	-9.796	-9.796	0	%100
13	M7	X	10.838	10.838	0	%100
14	M7	Z	-6.257	-6.257	0	%100
15	M8	X	16.967	16.967	0	%100
16	M8	Z	-9.796	-9.796	0	%100
17	M9	X	10.838	10.838	0	%100
18	M9	Z	-6.257	-6.257	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	4.242	4.242	0	%100
22	M11	Z	-2.449	-2.449	0	%100
23	M12	X	4.1e-5	4.1e-5	0	%100
24	M12	Z	-2.4e-5	-2.4e-5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
25	M13	X	4.242	4.242	0	%100
26	M13	Z	-2.449	-2.449	0	%100
27	M14	X	10.795	10.795	0	%100
28	M14	Z	-6.233	-6.233	0	%100
29	M15	X	7.71	7.71	0	%100
30	M15	Z	-4.451	-4.451	0	%100
31	MP1A	X	8.059	8.059	0	%100
32	MP1A	Z	-4.653	-4.653	0	%100
33	MP2A	X	9.756	9.756	0	%100
34	MP2A	Z	-5.633	-5.633	0	%100
35	MP3A	X	8.059	8.059	0	%100
36	MP3A	Z	-4.653	-4.653	0	%100
37	MP4A	X	8.059	8.059	0	%100
38	MP4A	Z	-4.653	-4.653	0	%100
39	MP5A	X	8.059	8.059	0	%100
40	MP5A	Z	-4.653	-4.653	0	%100
41	M62	X	9.47	9.47	0	%100
42	M62	Z	-5.468	-5.468	0	%100
43	M63	X	0	0	0	%100
44	M63	Z	0	0	0	%100
45	M64	X	9.47	9.47	0	%100
46	M64	Z	-5.468	-5.468	0	%100
47	MP1C	X	8.059	8.059	0	%100
48	MP1C	Z	-4.653	-4.653	0	%100
49	MP2C	X	9.756	9.756	0	%100
50	MP2C	Z	-5.633	-5.633	0	%100
51	MP3C	X	8.059	8.059	0	%100
52	MP3C	Z	-4.653	-4.653	0	%100
53	MP4C	X	8.059	8.059	0	%100
54	MP4C	Z	-4.653	-4.653	0	%100
55	MP5C	X	8.059	8.059	0	%100
56	MP5C	Z	-4.653	-4.653	0	%100
57	MP1B	X	8.059	8.059	0	%100
58	MP1B	Z	-4.653	-4.653	0	%100
59	MP2B	X	9.756	9.756	0	%100
60	MP2B	Z	-5.633	-5.633	0	%100
61	MP3B	X	8.059	8.059	0	%100
62	MP3B	Z	-4.653	-4.653	0	%100
63	MP4B	X	8.059	8.059	0	%100
64	MP4B	Z	-4.653	-4.653	0	%100
65	MP5B	X	8.059	8.059	0	%100
66	MP5B	Z	-4.653	-4.653	0	%100
67	M65	X	2.439	2.439	0	%100
68	M65	Z	-1.408	-1.408	0	%100
69	M81A	X	9.756	9.756	0	%100
70	M81A	Z	-5.633	-5.633	0	%100
71	M82A	X	2.439	2.439	0	%100
72	M82A	Z	-1.408	-1.408	0	%100
73	M89	X	11.125	11.125	0	%100
74	M89	Z	-6.423	-6.423	0	%100
75	M90	X	2.781	2.781	0	%100
76	M90	Z	-1.606	-1.606	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
77	M91	X	2.781	2.781	0	%100
78	M91	Z	-1.606	-1.606	0	%100
79	M92	X	1.082	1.082	0	%100
80	M92	Z	-.625	-.625	0	%100
81	M93	X	12.064	12.064	0	%100
82	M93	Z	-6.965	-6.965	0	%100
83	M94	X	7.376	7.376	0	%100
84	M94	Z	-4.258	-4.258	0	%100
85	M95	X	7.376	7.376	0	%100
86	M95	Z	-4.258	-4.258	0	%100
87	M96	X	12.064	12.064	0	%100
88	M96	Z	-6.965	-6.965	0	%100
89	M97	X	1.082	1.082	0	%100
90	M97	Z	-.625	-.625	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	4.139	4.139	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	4.139	4.139	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	11.87	11.87	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	14.694	14.694	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	16.653	16.653	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	14.694	14.694	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	4.188	4.188	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	2.967	2.967	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	14.694	14.694	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	4.188	4.188	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	14.694	14.694	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	16.653	16.653	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	2.967	2.967	0	%100
30	M15	Z	0	0	0	%100
31	MP1A	X	9.306	9.306	0	%100
32	MP1A	Z	0	0	0	%100
33	MP2A	X	11.265	11.265	0	%100
34	MP2A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
35	MP3A	X	9.306	9.306	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	9.306	9.306	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	9.306	9.306	0	%100
40	MP5A	Z	0	0	0	%100
41	M62	X	14.581	14.581	0	%100
42	M62	Z	0	0	0	%100
43	M63	X	3.645	3.645	0	%100
44	M63	Z	0	0	0	%100
45	M64	X	3.645	3.645	0	%100
46	M64	Z	0	0	0	%100
47	MP1C	X	9.306	9.306	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	11.265	11.265	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	9.306	9.306	0	%100
52	MP3C	Z	0	0	0	%100
53	MP4C	X	9.306	9.306	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	9.306	9.306	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	9.306	9.306	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	11.265	11.265	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	9.306	9.306	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	9.306	9.306	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	9.306	9.306	0	%100
66	MP5B	Z	0	0	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M81A	X	8.449	8.449	0	%100
70	M81A	Z	0	0	0	%100
71	M82A	X	8.449	8.449	0	%100
72	M82A	Z	0	0	0	%100
73	M89	X	9.635	9.635	0	%100
74	M89	Z	0	0	0	%100
75	M90	X	9.635	9.635	0	%100
76	M90	Z	0	0	0	%100
77	M91	X	0	0	0	%100
78	M91	Z	0	0	0	%100
79	M92	X	7.281	7.281	0	%100
80	M92	Z	0	0	0	%100
81	M93	X	7.281	7.281	0	%100
82	M93	Z	0	0	0	%100
83	M94	X	1.867	1.867	0	%100
84	M94	Z	0	0	0	%100
85	M95	X	14.548	14.548	0	%100
86	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
87	M96	X	14.548	14.548	0	%100
88	M96	Z	0	0	0	%100
89	M97	X	1.867	1.867	0	%100
90	M97	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	4.242	4.242	0	%100
2	M1	Z	2.449	2.449	0	%100
3	M2	X	4.1e-5	4.1e-5	0	%100
4	M2	Z	2.4e-5	2.4e-5	0	%100
5	M3	X	4.242	4.242	0	%100
6	M3	Z	2.449	2.449	0	%100
7	M4	X	10.795	10.795	0	%100
8	M4	Z	6.233	6.233	0	%100
9	M5	X	7.71	7.71	0	%100
10	M5	Z	4.451	4.451	0	%100
11	M6	X	4.242	4.242	0	%100
12	M6	Z	2.449	2.449	0	%100
13	M7	X	10.795	10.795	0	%100
14	M7	Z	6.233	6.233	0	%100
15	M8	X	4.242	4.242	0	%100
16	M8	Z	2.449	2.449	0	%100
17	M9	X	4.1e-5	4.1e-5	0	%100
18	M9	Z	2.4e-5	2.4e-5	0	%100
19	M10	X	7.71	7.71	0	%100
20	M10	Z	4.451	4.451	0	%100
21	M11	X	16.967	16.967	0	%100
22	M11	Z	9.796	9.796	0	%100
23	M12	X	10.838	10.838	0	%100
24	M12	Z	6.257	6.257	0	%100
25	M13	X	16.967	16.967	0	%100
26	M13	Z	9.796	9.796	0	%100
27	M14	X	10.838	10.838	0	%100
28	M14	Z	6.257	6.257	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100
31	MP1A	X	8.059	8.059	0	%100
32	MP1A	Z	4.653	4.653	0	%100
33	MP2A	X	9.756	9.756	0	%100
34	MP2A	Z	5.633	5.633	0	%100
35	MP3A	X	8.059	8.059	0	%100
36	MP3A	Z	4.653	4.653	0	%100
37	MP4A	X	8.059	8.059	0	%100
38	MP4A	Z	4.653	4.653	0	%100
39	MP5A	X	8.059	8.059	0	%100
40	MP5A	Z	4.653	4.653	0	%100
41	M62	X	9.47	9.47	0	%100
42	M62	Z	5.468	5.468	0	%100
43	M63	X	9.47	9.47	0	%100
44	M63	Z	5.468	5.468	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
45	M64	X	0	0	0	%100
46	M64	Z	0	0	0	%100
47	MP1C	X	8.059	8.059	0	%100
48	MP1C	Z	4.653	4.653	0	%100
49	MP2C	X	9.756	9.756	0	%100
50	MP2C	Z	5.633	5.633	0	%100
51	MP3C	X	8.059	8.059	0	%100
52	MP3C	Z	4.653	4.653	0	%100
53	MP4C	X	8.059	8.059	0	%100
54	MP4C	Z	4.653	4.653	0	%100
55	MP5C	X	8.059	8.059	0	%100
56	MP5C	Z	4.653	4.653	0	%100
57	MP1B	X	8.059	8.059	0	%100
58	MP1B	Z	4.653	4.653	0	%100
59	MP2B	X	9.756	9.756	0	%100
60	MP2B	Z	5.633	5.633	0	%100
61	MP3B	X	8.059	8.059	0	%100
62	MP3B	Z	4.653	4.653	0	%100
63	MP4B	X	8.059	8.059	0	%100
64	MP4B	Z	4.653	4.653	0	%100
65	MP5B	X	8.059	8.059	0	%100
66	MP5B	Z	4.653	4.653	0	%100
67	M65	X	2.439	2.439	0	%100
68	M65	Z	1.408	1.408	0	%100
69	M81A	X	2.439	2.439	0	%100
70	M81A	Z	1.408	1.408	0	%100
71	M82A	X	9.756	9.756	0	%100
72	M82A	Z	5.633	5.633	0	%100
73	M89	X	2.781	2.781	0	%100
74	M89	Z	1.606	1.606	0	%100
75	M90	X	11.125	11.125	0	%100
76	M90	Z	6.423	6.423	0	%100
77	M91	X	2.781	2.781	0	%100
78	M91	Z	1.606	1.606	0	%100
79	M92	X	12.064	12.064	0	%100
80	M92	Z	6.965	6.965	0	%100
81	M93	X	1.082	1.082	0	%100
82	M93	Z	.625	.625	0	%100
83	M94	X	1.082	1.082	0	%100
84	M94	Z	.625	.625	0	%100
85	M95	X	12.064	12.064	0	%100
86	M95	Z	6.965	6.965	0	%100
87	M96	X	7.376	7.376	0	%100
88	M96	Z	4.258	4.258	0	%100
89	M97	X	7.376	7.376	0	%100
90	M97	Z	4.258	4.258	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	7.347	7.347	0	%100
2	M1	Z	12.725	12.725	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
3	M2	X	2.094	2.094	0	%100
4	M2	Z	3.627	3.627	0	%100
5	M3	X	7.347	7.347	0	%100
6	M3	Z	12.725	12.725	0	%100
7	M4	X	8.327	8.327	0	%100
8	M4	Z	14.422	14.422	0	%100
9	M5	X	1.484	1.484	0	%100
10	M5	Z	2.57	2.57	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	2.069	2.069	0	%100
14	M7	Z	3.584	3.584	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	2.069	2.069	0	%100
18	M9	Z	3.584	3.584	0	%100
19	M10	X	5.935	5.935	0	%100
20	M10	Z	10.279	10.279	0	%100
21	M11	X	7.347	7.347	0	%100
22	M11	Z	12.725	12.725	0	%100
23	M12	X	8.327	8.327	0	%100
24	M12	Z	14.422	14.422	0	%100
25	M13	X	7.347	7.347	0	%100
26	M13	Z	12.725	12.725	0	%100
27	M14	X	2.094	2.094	0	%100
28	M14	Z	3.627	3.627	0	%100
29	M15	X	1.484	1.484	0	%100
30	M15	Z	2.57	2.57	0	%100
31	MP1A	X	4.653	4.653	0	%100
32	MP1A	Z	8.059	8.059	0	%100
33	MP2A	X	5.633	5.633	0	%100
34	MP2A	Z	9.756	9.756	0	%100
35	MP3A	X	4.653	4.653	0	%100
36	MP3A	Z	8.059	8.059	0	%100
37	MP4A	X	4.653	4.653	0	%100
38	MP4A	Z	8.059	8.059	0	%100
39	MP5A	X	4.653	4.653	0	%100
40	MP5A	Z	8.059	8.059	0	%100
41	M62	X	1.823	1.823	0	%100
42	M62	Z	3.157	3.157	0	%100
43	M63	X	7.29	7.29	0	%100
44	M63	Z	12.627	12.627	0	%100
45	M64	X	1.823	1.823	0	%100
46	M64	Z	3.157	3.157	0	%100
47	MP1C	X	4.653	4.653	0	%100
48	MP1C	Z	8.059	8.059	0	%100
49	MP2C	X	5.633	5.633	0	%100
50	MP2C	Z	9.756	9.756	0	%100
51	MP3C	X	4.653	4.653	0	%100
52	MP3C	Z	8.059	8.059	0	%100
53	MP4C	X	4.653	4.653	0	%100
54	MP4C	Z	8.059	8.059	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
55	MP5C	X	4.653	4.653	0	%100
56	MP5C	Z	8.059	8.059	0	%100
57	MP1B	X	4.653	4.653	0	%100
58	MP1B	Z	8.059	8.059	0	%100
59	MP2B	X	5.633	5.633	0	%100
60	MP2B	Z	9.756	9.756	0	%100
61	MP3B	X	4.653	4.653	0	%100
62	MP3B	Z	8.059	8.059	0	%100
63	MP4B	X	4.653	4.653	0	%100
64	MP4B	Z	8.059	8.059	0	%100
65	MP5B	X	4.653	4.653	0	%100
66	MP5B	Z	8.059	8.059	0	%100
67	M65	X	4.225	4.225	0	%100
68	M65	Z	7.317	7.317	0	%100
69	M81A	X	0	0	0	%100
70	M81A	Z	0	0	0	%100
71	M82A	X	4.225	4.225	0	%100
72	M82A	Z	7.317	7.317	0	%100
73	M89	X	0	0	0	%100
74	M89	Z	0	0	0	%100
75	M90	X	4.817	4.817	0	%100
76	M90	Z	8.344	8.344	0	%100
77	M91	X	4.817	4.817	0	%100
78	M91	Z	8.344	8.344	0	%100
79	M92	X	7.274	7.274	0	%100
80	M92	Z	12.599	12.599	0	%100
81	M93	X	.934	.934	0	%100
82	M93	Z	1.617	1.617	0	%100
83	M94	X	3.641	3.641	0	%100
84	M94	Z	6.306	6.306	0	%100
85	M95	X	3.641	3.641	0	%100
86	M95	Z	6.306	6.306	0	%100
87	M96	X	.934	.934	0	%100
88	M96	Z	1.617	1.617	0	%100
89	M97	X	7.274	7.274	0	%100
90	M97	Z	12.599	12.599	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	19.592	19.592	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	12.514	12.514	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	19.592	19.592	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	12.514	12.514	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	4.898	4.898	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
13	M7	X	0	0	0	%100
14	M7	Z	4.8e-5	4.8e-5	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	4.898	4.898	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	12.465	12.465	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	8.902	8.902	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	4.898	4.898	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	12.465	12.465	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	4.898	4.898	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	4.8e-5	4.8e-5	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	8.902	8.902	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	9.306	9.306	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	11.265	11.265	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	9.306	9.306	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	9.306	9.306	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	9.306	9.306	0	%100
41	M62	X	0	0	0	%100
42	M62	Z	0	0	0	%100
43	M63	X	0	0	0	%100
44	M63	Z	10.935	10.935	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	10.935	10.935	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	9.306	9.306	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	11.265	11.265	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	9.306	9.306	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	9.306	9.306	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	9.306	9.306	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	9.306	9.306	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	11.265	11.265	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	9.306	9.306	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	9.306	9.306	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
65	MP5B	X	0	0	0	%100
66	MP5B	Z	9.306	9.306	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	11.265	11.265	0	%100
69	M81A	X	0	0	0	%100
70	M81A	Z	2.816	2.816	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	2.816	2.816	0	%100
73	M89	X	0	0	0	%100
74	M89	Z	3.212	3.212	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	3.212	3.212	0	%100
77	M91	X	0	0	0	%100
78	M91	Z	12.846	12.846	0	%100
79	M92	X	0	0	0	%100
80	M92	Z	8.517	8.517	0	%100
81	M93	X	0	0	0	%100
82	M93	Z	8.517	8.517	0	%100
83	M94	X	0	0	0	%100
84	M94	Z	13.931	13.931	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	1.25	1.25	0	%100
87	M96	X	0	0	0	%100
88	M96	Z	1.25	1.25	0	%100
89	M97	X	0	0	0	%100
90	M97	Z	13.931	13.931	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-7.347	-7.347	0	%100
2	M1	Z	12.725	12.725	0	%100
3	M2	X	-8.327	-8.327	0	%100
4	M2	Z	14.422	14.422	0	%100
5	M3	X	-7.347	-7.347	0	%100
6	M3	Z	12.725	12.725	0	%100
7	M4	X	-2.094	-2.094	0	%100
8	M4	Z	3.627	3.627	0	%100
9	M5	X	-1.484	-1.484	0	%100
10	M5	Z	2.57	2.57	0	%100
11	M6	X	-7.347	-7.347	0	%100
12	M6	Z	12.725	12.725	0	%100
13	M7	X	-2.094	-2.094	0	%100
14	M7	Z	3.627	3.627	0	%100
15	M8	X	-7.347	-7.347	0	%100
16	M8	Z	12.725	12.725	0	%100
17	M9	X	-8.327	-8.327	0	%100
18	M9	Z	14.422	14.422	0	%100
19	M10	X	-1.484	-1.484	0	%100
20	M10	Z	2.57	2.57	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
23	M12	X	-2.069	-2.069	0	%100
24	M12	Z	3.584	3.584	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-2.069	-2.069	0	%100
28	M14	Z	3.584	3.584	0	%100
29	M15	X	-5.935	-5.935	0	%100
30	M15	Z	10.279	10.279	0	%100
31	MP1A	X	-4.653	-4.653	0	%100
32	MP1A	Z	8.059	8.059	0	%100
33	MP2A	X	-5.633	-5.633	0	%100
34	MP2A	Z	9.756	9.756	0	%100
35	MP3A	X	-4.653	-4.653	0	%100
36	MP3A	Z	8.059	8.059	0	%100
37	MP4A	X	-4.653	-4.653	0	%100
38	MP4A	Z	8.059	8.059	0	%100
39	MP5A	X	-4.653	-4.653	0	%100
40	MP5A	Z	8.059	8.059	0	%100
41	M62	X	-1.823	-1.823	0	%100
42	M62	Z	3.157	3.157	0	%100
43	M63	X	-1.823	-1.823	0	%100
44	M63	Z	3.157	3.157	0	%100
45	M64	X	-7.29	-7.29	0	%100
46	M64	Z	12.627	12.627	0	%100
47	MP1C	X	-4.653	-4.653	0	%100
48	MP1C	Z	8.059	8.059	0	%100
49	MP2C	X	-5.633	-5.633	0	%100
50	MP2C	Z	9.756	9.756	0	%100
51	MP3C	X	-4.653	-4.653	0	%100
52	MP3C	Z	8.059	8.059	0	%100
53	MP4C	X	-4.653	-4.653	0	%100
54	MP4C	Z	8.059	8.059	0	%100
55	MP5C	X	-4.653	-4.653	0	%100
56	MP5C	Z	8.059	8.059	0	%100
57	MP1B	X	-4.653	-4.653	0	%100
58	MP1B	Z	8.059	8.059	0	%100
59	MP2B	X	-5.633	-5.633	0	%100
60	MP2B	Z	9.756	9.756	0	%100
61	MP3B	X	-4.653	-4.653	0	%100
62	MP3B	Z	8.059	8.059	0	%100
63	MP4B	X	-4.653	-4.653	0	%100
64	MP4B	Z	8.059	8.059	0	%100
65	MP5B	X	-4.653	-4.653	0	%100
66	MP5B	Z	8.059	8.059	0	%100
67	M65	X	-4.225	-4.225	0	%100
68	M65	Z	7.317	7.317	0	%100
69	M81A	X	-4.225	-4.225	0	%100
70	M81A	Z	7.317	7.317	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	0	0	0	%100
73	M89	X	-4.817	-4.817	0	%100
74	M89	Z	8.344	8.344	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M91	X	-4.817	-4.817	0	%100
78	M91	Z	8.344	8.344	0	%100
79	M92	X	-.934	-.934	0	%100
80	M92	Z	1.617	1.617	0	%100
81	M93	X	-7.274	-7.274	0	%100
82	M93	Z	12.599	12.599	0	%100
83	M94	X	-7.274	-7.274	0	%100
84	M94	Z	12.599	12.599	0	%100
85	M95	X	-.934	-.934	0	%100
86	M95	Z	1.617	1.617	0	%100
87	M96	X	-3.641	-3.641	0	%100
88	M96	Z	6.306	6.306	0	%100
89	M97	X	-3.641	-3.641	0	%100
90	M97	Z	6.306	6.306	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-4.242	-4.242	0	%100
2	M1	Z	2.449	2.449	0	%100
3	M2	X	-10.795	-10.795	0	%100
4	M2	Z	6.233	6.233	0	%100
5	M3	X	-4.242	-4.242	0	%100
6	M3	Z	2.449	2.449	0	%100
7	M4	X	-4.1e-5	-4.1e-5	0	%100
8	M4	Z	2.4e-5	2.4e-5	0	%100
9	M5	X	-7.71	-7.71	0	%100
10	M5	Z	4.451	4.451	0	%100
11	M6	X	-16.967	-16.967	0	%100
12	M6	Z	9.796	9.796	0	%100
13	M7	X	-10.838	-10.838	0	%100
14	M7	Z	6.257	6.257	0	%100
15	M8	X	-16.967	-16.967	0	%100
16	M8	Z	9.796	9.796	0	%100
17	M9	X	-10.838	-10.838	0	%100
18	M9	Z	6.257	6.257	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-4.242	-4.242	0	%100
22	M11	Z	2.449	2.449	0	%100
23	M12	X	-4.1e-5	-4.1e-5	0	%100
24	M12	Z	2.4e-5	2.4e-5	0	%100
25	M13	X	-4.242	-4.242	0	%100
26	M13	Z	2.449	2.449	0	%100
27	M14	X	-10.795	-10.795	0	%100
28	M14	Z	6.233	6.233	0	%100
29	M15	X	-7.71	-7.71	0	%100
30	M15	Z	4.451	4.451	0	%100
31	MP1A	X	-8.059	-8.059	0	%100
32	MP1A	Z	4.653	4.653	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
33	MP2A	X	-9.756	-9.756	0	%100
34	MP2A	Z	5.633	5.633	0	%100
35	MP3A	X	-8.059	-8.059	0	%100
36	MP3A	Z	4.653	4.653	0	%100
37	MP4A	X	-8.059	-8.059	0	%100
38	MP4A	Z	4.653	4.653	0	%100
39	MP5A	X	-8.059	-8.059	0	%100
40	MP5A	Z	4.653	4.653	0	%100
41	M62	X	-9.47	-9.47	0	%100
42	M62	Z	5.468	5.468	0	%100
43	M63	X	0	0	0	%100
44	M63	Z	0	0	0	%100
45	M64	X	-9.47	-9.47	0	%100
46	M64	Z	5.468	5.468	0	%100
47	MP1C	X	-8.059	-8.059	0	%100
48	MP1C	Z	4.653	4.653	0	%100
49	MP2C	X	-9.756	-9.756	0	%100
50	MP2C	Z	5.633	5.633	0	%100
51	MP3C	X	-8.059	-8.059	0	%100
52	MP3C	Z	4.653	4.653	0	%100
53	MP4C	X	-8.059	-8.059	0	%100
54	MP4C	Z	4.653	4.653	0	%100
55	MP5C	X	-8.059	-8.059	0	%100
56	MP5C	Z	4.653	4.653	0	%100
57	MP1B	X	-8.059	-8.059	0	%100
58	MP1B	Z	4.653	4.653	0	%100
59	MP2B	X	-9.756	-9.756	0	%100
60	MP2B	Z	5.633	5.633	0	%100
61	MP3B	X	-8.059	-8.059	0	%100
62	MP3B	Z	4.653	4.653	0	%100
63	MP4B	X	-8.059	-8.059	0	%100
64	MP4B	Z	4.653	4.653	0	%100
65	MP5B	X	-8.059	-8.059	0	%100
66	MP5B	Z	4.653	4.653	0	%100
67	M65	X	-2.439	-2.439	0	%100
68	M65	Z	1.408	1.408	0	%100
69	M81A	X	-9.756	-9.756	0	%100
70	M81A	Z	5.633	5.633	0	%100
71	M82A	X	-2.439	-2.439	0	%100
72	M82A	Z	1.408	1.408	0	%100
73	M89	X	-11.125	-11.125	0	%100
74	M89	Z	6.423	6.423	0	%100
75	M90	X	-2.781	-2.781	0	%100
76	M90	Z	1.606	1.606	0	%100
77	M91	X	-2.781	-2.781	0	%100
78	M91	Z	1.606	1.606	0	%100
79	M92	X	-1.082	-1.082	0	%100
80	M92	Z	.625	.625	0	%100
81	M93	X	-12.064	-12.064	0	%100
82	M93	Z	6.965	6.965	0	%100
83	M94	X	-7.376	-7.376	0	%100
84	M94	Z	4.258	4.258	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
85	M95	X	-7.376	-7.376	0	%100
86	M95	Z	4.258	4.258	0	%100
87	M96	X	-12.064	-12.064	0	%100
88	M96	Z	6.965	6.965	0	%100
89	M97	X	-1.082	-1.082	0	%100
90	M97	Z	.625	.625	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-4.139	-4.139	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-4.139	-4.139	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-11.87	-11.87	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-14.694	-14.694	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-16.653	-16.653	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-14.694	-14.694	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-4.188	-4.188	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-2.967	-2.967	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-14.694	-14.694	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-4.188	-4.188	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-14.694	-14.694	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-16.653	-16.653	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-2.967	-2.967	0	%100
30	M15	Z	0	0	0	%100
31	MP1A	X	-9.306	-9.306	0	%100
32	MP1A	Z	0	0	0	%100
33	MP2A	X	-11.265	-11.265	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	-9.306	-9.306	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	-9.306	-9.306	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	-9.306	-9.306	0	%100
40	MP5A	Z	0	0	0	%100
41	M62	X	-14.581	-14.581	0	%100
42	M62	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
43	M63	X	-3.645	-3.645	0	%100
44	M63	Z	0	0	0	%100
45	M64	X	-3.645	-3.645	0	%100
46	M64	Z	0	0	0	%100
47	MP1C	X	-9.306	-9.306	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	-11.265	-11.265	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	-9.306	-9.306	0	%100
52	MP3C	Z	0	0	0	%100
53	MP4C	X	-9.306	-9.306	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	-9.306	-9.306	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	-9.306	-9.306	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	-11.265	-11.265	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	-9.306	-9.306	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	-9.306	-9.306	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	-9.306	-9.306	0	%100
66	MP5B	Z	0	0	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M81A	X	-8.449	-8.449	0	%100
70	M81A	Z	0	0	0	%100
71	M82A	X	-8.449	-8.449	0	%100
72	M82A	Z	0	0	0	%100
73	M89	X	-9.635	-9.635	0	%100
74	M89	Z	0	0	0	%100
75	M90	X	-9.635	-9.635	0	%100
76	M90	Z	0	0	0	%100
77	M91	X	0	0	0	%100
78	M91	Z	0	0	0	%100
79	M92	X	-7.281	-7.281	0	%100
80	M92	Z	0	0	0	%100
81	M93	X	-7.281	-7.281	0	%100
82	M93	Z	0	0	0	%100
83	M94	X	-1.867	-1.867	0	%100
84	M94	Z	0	0	0	%100
85	M95	X	-14.548	-14.548	0	%100
86	M95	Z	0	0	0	%100
87	M96	X	-14.548	-14.548	0	%100
88	M96	Z	0	0	0	%100
89	M97	X	-1.867	-1.867	0	%100
90	M97	Z	0	0	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-4.242	-4.242	0	%100
2	M1	Z	-2.449	-2.449	0	%100
3	M2	X	-4.1e-5	-4.1e-5	0	%100
4	M2	Z	-2.4e-5	-2.4e-5	0	%100
5	M3	X	-4.242	-4.242	0	%100
6	M3	Z	-2.449	-2.449	0	%100
7	M4	X	-10.795	-10.795	0	%100
8	M4	Z	-6.233	-6.233	0	%100
9	M5	X	-7.71	-7.71	0	%100
10	M5	Z	-4.451	-4.451	0	%100
11	M6	X	-4.242	-4.242	0	%100
12	M6	Z	-2.449	-2.449	0	%100
13	M7	X	-10.795	-10.795	0	%100
14	M7	Z	-6.233	-6.233	0	%100
15	M8	X	-4.242	-4.242	0	%100
16	M8	Z	-2.449	-2.449	0	%100
17	M9	X	-4.1e-5	-4.1e-5	0	%100
18	M9	Z	-2.4e-5	-2.4e-5	0	%100
19	M10	X	-7.71	-7.71	0	%100
20	M10	Z	-4.451	-4.451	0	%100
21	M11	X	-16.967	-16.967	0	%100
22	M11	Z	-9.796	-9.796	0	%100
23	M12	X	-10.838	-10.838	0	%100
24	M12	Z	-6.257	-6.257	0	%100
25	M13	X	-16.967	-16.967	0	%100
26	M13	Z	-9.796	-9.796	0	%100
27	M14	X	-10.838	-10.838	0	%100
28	M14	Z	-6.257	-6.257	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100
31	MP1A	X	-8.059	-8.059	0	%100
32	MP1A	Z	-4.653	-4.653	0	%100
33	MP2A	X	-9.756	-9.756	0	%100
34	MP2A	Z	-5.633	-5.633	0	%100
35	MP3A	X	-8.059	-8.059	0	%100
36	MP3A	Z	-4.653	-4.653	0	%100
37	MP4A	X	-8.059	-8.059	0	%100
38	MP4A	Z	-4.653	-4.653	0	%100
39	MP5A	X	-8.059	-8.059	0	%100
40	MP5A	Z	-4.653	-4.653	0	%100
41	M62	X	-9.47	-9.47	0	%100
42	M62	Z	-5.468	-5.468	0	%100
43	M63	X	-9.47	-9.47	0	%100
44	M63	Z	-5.468	-5.468	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	0	0	0	%100
47	MP1C	X	-8.059	-8.059	0	%100
48	MP1C	Z	-4.653	-4.653	0	%100
49	MP2C	X	-9.756	-9.756	0	%100
50	MP2C	Z	-5.633	-5.633	0	%100
51	MP3C	X	-8.059	-8.059	0	%100
52	MP3C	Z	-4.653	-4.653	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
53	MP4C	X	-8.059	-8.059	0	%100
54	MP4C	Z	-4.653	-4.653	0	%100
55	MP5C	X	-8.059	-8.059	0	%100
56	MP5C	Z	-4.653	-4.653	0	%100
57	MP1B	X	-8.059	-8.059	0	%100
58	MP1B	Z	-4.653	-4.653	0	%100
59	MP2B	X	-9.756	-9.756	0	%100
60	MP2B	Z	-5.633	-5.633	0	%100
61	MP3B	X	-8.059	-8.059	0	%100
62	MP3B	Z	-4.653	-4.653	0	%100
63	MP4B	X	-8.059	-8.059	0	%100
64	MP4B	Z	-4.653	-4.653	0	%100
65	MP5B	X	-8.059	-8.059	0	%100
66	MP5B	Z	-4.653	-4.653	0	%100
67	M65	X	-2.439	-2.439	0	%100
68	M65	Z	-1.408	-1.408	0	%100
69	M81A	X	-2.439	-2.439	0	%100
70	M81A	Z	-1.408	-1.408	0	%100
71	M82A	X	-9.756	-9.756	0	%100
72	M82A	Z	-5.633	-5.633	0	%100
73	M89	X	-2.781	-2.781	0	%100
74	M89	Z	-1.606	-1.606	0	%100
75	M90	X	-11.125	-11.125	0	%100
76	M90	Z	-6.423	-6.423	0	%100
77	M91	X	-2.781	-2.781	0	%100
78	M91	Z	-1.606	-1.606	0	%100
79	M92	X	-12.064	-12.064	0	%100
80	M92	Z	-6.965	-6.965	0	%100
81	M93	X	-1.082	-1.082	0	%100
82	M93	Z	-.625	-.625	0	%100
83	M94	X	-1.082	-1.082	0	%100
84	M94	Z	-.625	-.625	0	%100
85	M95	X	-12.064	-12.064	0	%100
86	M95	Z	-6.965	-6.965	0	%100
87	M96	X	-7.376	-7.376	0	%100
88	M96	Z	-4.258	-4.258	0	%100
89	M97	X	-7.376	-7.376	0	%100
90	M97	Z	-4.258	-4.258	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-7.347	-7.347	0	%100
2	M1	Z	-12.725	-12.725	0	%100
3	M2	X	-2.094	-2.094	0	%100
4	M2	Z	-3.627	-3.627	0	%100
5	M3	X	-7.347	-7.347	0	%100
6	M3	Z	-12.725	-12.725	0	%100
7	M4	X	-8.327	-8.327	0	%100
8	M4	Z	-14.422	-14.422	0	%100
9	M5	X	-1.484	-1.484	0	%100
10	M5	Z	-2.57	-2.57	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-2.069	-2.069	0	%100
14	M7	Z	-3.584	-3.584	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-2.069	-2.069	0	%100
18	M9	Z	-3.584	-3.584	0	%100
19	M10	X	-5.935	-5.935	0	%100
20	M10	Z	-10.279	-10.279	0	%100
21	M11	X	-7.347	-7.347	0	%100
22	M11	Z	-12.725	-12.725	0	%100
23	M12	X	-8.327	-8.327	0	%100
24	M12	Z	-14.422	-14.422	0	%100
25	M13	X	-7.347	-7.347	0	%100
26	M13	Z	-12.725	-12.725	0	%100
27	M14	X	-2.094	-2.094	0	%100
28	M14	Z	-3.627	-3.627	0	%100
29	M15	X	-1.484	-1.484	0	%100
30	M15	Z	-2.57	-2.57	0	%100
31	MP1A	X	-4.653	-4.653	0	%100
32	MP1A	Z	-8.059	-8.059	0	%100
33	MP2A	X	-5.633	-5.633	0	%100
34	MP2A	Z	-9.756	-9.756	0	%100
35	MP3A	X	-4.653	-4.653	0	%100
36	MP3A	Z	-8.059	-8.059	0	%100
37	MP4A	X	-4.653	-4.653	0	%100
38	MP4A	Z	-8.059	-8.059	0	%100
39	MP5A	X	-4.653	-4.653	0	%100
40	MP5A	Z	-8.059	-8.059	0	%100
41	M62	X	-1.823	-1.823	0	%100
42	M62	Z	-3.157	-3.157	0	%100
43	M63	X	-7.29	-7.29	0	%100
44	M63	Z	-12.627	-12.627	0	%100
45	M64	X	-1.823	-1.823	0	%100
46	M64	Z	-3.157	-3.157	0	%100
47	MP1C	X	-4.653	-4.653	0	%100
48	MP1C	Z	-8.059	-8.059	0	%100
49	MP2C	X	-5.633	-5.633	0	%100
50	MP2C	Z	-9.756	-9.756	0	%100
51	MP3C	X	-4.653	-4.653	0	%100
52	MP3C	Z	-8.059	-8.059	0	%100
53	MP4C	X	-4.653	-4.653	0	%100
54	MP4C	Z	-8.059	-8.059	0	%100
55	MP5C	X	-4.653	-4.653	0	%100
56	MP5C	Z	-8.059	-8.059	0	%100
57	MP1B	X	-4.653	-4.653	0	%100
58	MP1B	Z	-8.059	-8.059	0	%100
59	MP2B	X	-5.633	-5.633	0	%100
60	MP2B	Z	-9.756	-9.756	0	%100
61	MP3B	X	-4.653	-4.653	0	%100
62	MP3B	Z	-8.059	-8.059	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
63	MP4B	X	-4.653	-4.653	0	%100
64	MP4B	Z	-8.059	-8.059	0	%100
65	MP5B	X	-4.653	-4.653	0	%100
66	MP5B	Z	-8.059	-8.059	0	%100
67	M65	X	-4.225	-4.225	0	%100
68	M65	Z	-7.317	-7.317	0	%100
69	M81A	X	0	0	0	%100
70	M81A	Z	0	0	0	%100
71	M82A	X	-4.225	-4.225	0	%100
72	M82A	Z	-7.317	-7.317	0	%100
73	M89	X	0	0	0	%100
74	M89	Z	0	0	0	%100
75	M90	X	-4.817	-4.817	0	%100
76	M90	Z	-8.344	-8.344	0	%100
77	M91	X	-4.817	-4.817	0	%100
78	M91	Z	-8.344	-8.344	0	%100
79	M92	X	-7.274	-7.274	0	%100
80	M92	Z	-12.599	-12.599	0	%100
81	M93	X	-.934	-.934	0	%100
82	M93	Z	-1.617	-1.617	0	%100
83	M94	X	-3.641	-3.641	0	%100
84	M94	Z	-6.306	-6.306	0	%100
85	M95	X	-3.641	-3.641	0	%100
86	M95	Z	-6.306	-6.306	0	%100
87	M96	X	-.934	-.934	0	%100
88	M96	Z	-1.617	-1.617	0	%100
89	M97	X	-7.274	-7.274	0	%100
90	M97	Z	-12.599	-12.599	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	-5.902	-5.902	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-3.679	-3.679	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-5.902	-5.902	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-3.679	-3.679	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-1.475	-1.475	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-1.4e-5	-1.4e-5	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-1.475	-1.475	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-3.665	-3.665	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-2.666	-2.666	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
21	M11	X	0	0	0	%100
22	M11	Z	-1.475	-1.475	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-3.665	-3.665	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	-1.475	-1.475	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-1.4e-5	-1.4e-5	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	-2.666	-2.666	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	-3.889	-3.889	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-4.407	-4.407	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-3.889	-3.889	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-4.055	-4.055	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	-3.889	-3.889	0	%100
41	M62	X	0	0	0	%100
42	M62	Z	0	0	0	%100
43	M63	X	0	0	0	%100
44	M63	Z	-3.157	-3.157	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	-3.157	-3.157	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	-3.889	-3.889	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	-4.407	-4.407	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	-3.889	-3.889	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	-4.055	-4.055	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	-3.889	-3.889	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	-3.889	-3.889	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	-4.407	-4.407	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	-3.889	-3.889	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-4.055	-4.055	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	-3.889	-3.889	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-4.407	-4.407	0	%100
69	M81A	X	0	0	0	%100
70	M81A	Z	-1.102	-1.102	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	-1.102	-1.102	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
73	M89	X	0	0	0	%100
74	M89	Z	-.946	-.946	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-.946	-.946	0	%100
77	M91	X	0	0	0	%100
78	M91	Z	-3.782	-3.782	0	%100
79	M92	X	0	0	0	%100
80	M92	Z	-2.627	-2.627	0	%100
81	M93	X	0	0	0	%100
82	M93	Z	-2.627	-2.627	0	%100
83	M94	X	0	0	0	%100
84	M94	Z	-4.297	-4.297	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	-.385	-.385	0	%100
87	M96	X	0	0	0	%100
88	M96	Z	-.385	-.385	0	%100
89	M97	X	0	0	0	%100
90	M97	Z	-4.297	-4.297	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	2.213	2.213	0	%100
2	M1	Z	-3.833	-3.833	0	%100
3	M2	X	2.448	2.448	0	%100
4	M2	Z	-4.24	-4.24	0	%100
5	M3	X	2.213	2.213	0	%100
6	M3	Z	-3.833	-3.833	0	%100
7	M4	X	.616	.616	0	%100
8	M4	Z	-1.066	-1.066	0	%100
9	M5	X	.444	.444	0	%100
10	M5	Z	-.77	-.77	0	%100
11	M6	X	2.213	2.213	0	%100
12	M6	Z	-3.833	-3.833	0	%100
13	M7	X	.616	.616	0	%100
14	M7	Z	-1.066	-1.066	0	%100
15	M8	X	2.213	2.213	0	%100
16	M8	Z	-3.833	-3.833	0	%100
17	M9	X	2.448	2.448	0	%100
18	M9	Z	-4.24	-4.24	0	%100
19	M10	X	.444	.444	0	%100
20	M10	Z	-.77	-.77	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	.608	.608	0	%100
24	M12	Z	-1.054	-1.054	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	.608	.608	0	%100
28	M14	Z	-1.054	-1.054	0	%100
29	M15	X	1.777	1.777	0	%100
30	M15	Z	-3.078	-3.078	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
31	MP1A	X	1.945	1.945	0	%100
32	MP1A	Z	-3.368	-3.368	0	%100
33	MP2A	X	2.203	2.203	0	%100
34	MP2A	Z	-3.816	-3.816	0	%100
35	MP3A	X	1.945	1.945	0	%100
36	MP3A	Z	-3.368	-3.368	0	%100
37	MP4A	X	2.027	2.027	0	%100
38	MP4A	Z	-3.512	-3.512	0	%100
39	MP5A	X	1.945	1.945	0	%100
40	MP5A	Z	-3.368	-3.368	0	%100
41	M62	X	.526	.526	0	%100
42	M62	Z	-.911	-.911	0	%100
43	M63	X	.526	.526	0	%100
44	M63	Z	-.911	-.911	0	%100
45	M64	X	2.105	2.105	0	%100
46	M64	Z	-3.646	-3.646	0	%100
47	MP1C	X	1.945	1.945	0	%100
48	MP1C	Z	-3.368	-3.368	0	%100
49	MP2C	X	2.203	2.203	0	%100
50	MP2C	Z	-3.816	-3.816	0	%100
51	MP3C	X	1.945	1.945	0	%100
52	MP3C	Z	-3.368	-3.368	0	%100
53	MP4C	X	2.027	2.027	0	%100
54	MP4C	Z	-3.512	-3.512	0	%100
55	MP5C	X	1.945	1.945	0	%100
56	MP5C	Z	-3.368	-3.368	0	%100
57	MP1B	X	1.945	1.945	0	%100
58	MP1B	Z	-3.368	-3.368	0	%100
59	MP2B	X	2.203	2.203	0	%100
60	MP2B	Z	-3.816	-3.816	0	%100
61	MP3B	X	1.945	1.945	0	%100
62	MP3B	Z	-3.368	-3.368	0	%100
63	MP4B	X	2.027	2.027	0	%100
64	MP4B	Z	-3.512	-3.512	0	%100
65	MP5B	X	1.945	1.945	0	%100
66	MP5B	Z	-3.368	-3.368	0	%100
67	M65	X	1.652	1.652	0	%100
68	M65	Z	-2.862	-2.862	0	%100
69	M81A	X	1.652	1.652	0	%100
70	M81A	Z	-2.862	-2.862	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	0	0	0	%100
73	M89	X	1.418	1.418	0	%100
74	M89	Z	-2.457	-2.457	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M91	X	1.418	1.418	0	%100
78	M91	Z	-2.457	-2.457	0	%100
79	M92	X	.288	.288	0	%100
80	M92	Z	-.499	-.499	0	%100
81	M93	X	2.244	2.244	0	%100
82	M93	Z	-3.886	-3.886	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
83	M94	X	2.244	2.244	0	%100
84	M94	Z	-3.886	-3.886	0	%100
85	M95	X	.288	.288	0	%100
86	M95	Z	-.499	-.499	0	%100
87	M96	X	1.123	1.123	0	%100
88	M96	Z	-1.945	-1.945	0	%100
89	M97	X	1.123	1.123	0	%100
90	M97	Z	-1.945	-1.945	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	1.278	1.278	0	%100
2	M1	Z	-.738	-.738	0	%100
3	M2	X	3.174	3.174	0	%100
4	M2	Z	-1.832	-1.832	0	%100
5	M3	X	1.278	1.278	0	%100
6	M3	Z	-.738	-.738	0	%100
7	M4	X	1.2e-5	1.2e-5	0	%100
8	M4	Z	-7e-6	-7e-6	0	%100
9	M5	X	2.309	2.309	0	%100
10	M5	Z	-1.333	-1.333	0	%100
11	M6	X	5.111	5.111	0	%100
12	M6	Z	-2.951	-2.951	0	%100
13	M7	X	3.186	3.186	0	%100
14	M7	Z	-1.839	-1.839	0	%100
15	M8	X	5.111	5.111	0	%100
16	M8	Z	-2.951	-2.951	0	%100
17	M9	X	3.186	3.186	0	%100
18	M9	Z	-1.839	-1.839	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	1.278	1.278	0	%100
22	M11	Z	-.738	-.738	0	%100
23	M12	X	1.2e-5	1.2e-5	0	%100
24	M12	Z	-7e-6	-7e-6	0	%100
25	M13	X	1.278	1.278	0	%100
26	M13	Z	-.738	-.738	0	%100
27	M14	X	3.174	3.174	0	%100
28	M14	Z	-1.832	-1.832	0	%100
29	M15	X	2.309	2.309	0	%100
30	M15	Z	-1.333	-1.333	0	%100
31	MP1A	X	3.368	3.368	0	%100
32	MP1A	Z	-1.945	-1.945	0	%100
33	MP2A	X	3.816	3.816	0	%100
34	MP2A	Z	-2.203	-2.203	0	%100
35	MP3A	X	3.368	3.368	0	%100
36	MP3A	Z	-1.945	-1.945	0	%100
37	MP4A	X	3.512	3.512	0	%100
38	MP4A	Z	-2.027	-2.027	0	%100
39	MP5A	X	3.368	3.368	0	%100
40	MP5A	Z	-1.945	-1.945	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
41	M62	X	2.734	2.734	0	%100
42	M62	Z	-1.579	-1.579	0	%100
43	M63	X	0	0	0	%100
44	M63	Z	0	0	0	%100
45	M64	X	2.734	2.734	0	%100
46	M64	Z	-1.579	-1.579	0	%100
47	MP1C	X	3.368	3.368	0	%100
48	MP1C	Z	-1.945	-1.945	0	%100
49	MP2C	X	3.816	3.816	0	%100
50	MP2C	Z	-2.203	-2.203	0	%100
51	MP3C	X	3.368	3.368	0	%100
52	MP3C	Z	-1.945	-1.945	0	%100
53	MP4C	X	3.512	3.512	0	%100
54	MP4C	Z	-2.027	-2.027	0	%100
55	MP5C	X	3.368	3.368	0	%100
56	MP5C	Z	-1.945	-1.945	0	%100
57	MP1B	X	3.368	3.368	0	%100
58	MP1B	Z	-1.945	-1.945	0	%100
59	MP2B	X	3.816	3.816	0	%100
60	MP2B	Z	-2.203	-2.203	0	%100
61	MP3B	X	3.368	3.368	0	%100
62	MP3B	Z	-1.945	-1.945	0	%100
63	MP4B	X	3.512	3.512	0	%100
64	MP4B	Z	-2.027	-2.027	0	%100
65	MP5B	X	3.368	3.368	0	%100
66	MP5B	Z	-1.945	-1.945	0	%100
67	M65	X	.954	.954	0	%100
68	M65	Z	-.551	-.551	0	%100
69	M81A	X	3.816	3.816	0	%100
70	M81A	Z	-2.203	-2.203	0	%100
71	M82A	X	.954	.954	0	%100
72	M82A	Z	-.551	-.551	0	%100
73	M89	X	3.276	3.276	0	%100
74	M89	Z	-1.891	-1.891	0	%100
75	M90	X	.819	.819	0	%100
76	M90	Z	-.473	-.473	0	%100
77	M91	X	.819	.819	0	%100
78	M91	Z	-.473	-.473	0	%100
79	M92	X	.334	.334	0	%100
80	M92	Z	-.193	-.193	0	%100
81	M93	X	3.721	3.721	0	%100
82	M93	Z	-2.148	-2.148	0	%100
83	M94	X	2.275	2.275	0	%100
84	M94	Z	-1.313	-1.313	0	%100
85	M95	X	2.275	2.275	0	%100
86	M95	Z	-1.313	-1.313	0	%100
87	M96	X	3.721	3.721	0	%100
88	M96	Z	-2.148	-2.148	0	%100
89	M97	X	.334	.334	0	%100
90	M97	Z	-.193	-.193	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	1.217	1.217	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	1.217	1.217	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	3.555	3.555	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	4.426	4.426	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	4.896	4.896	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	4.426	4.426	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	1.231	1.231	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	.889	.889	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	4.426	4.426	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	1.231	1.231	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	4.426	4.426	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	4.896	4.896	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	.889	.889	0	%100
30	M15	Z	0	0	0	%100
31	MP1A	X	3.889	3.889	0	%100
32	MP1A	Z	0	0	0	%100
33	MP2A	X	4.407	4.407	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	3.889	3.889	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	4.055	4.055	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	3.889	3.889	0	%100
40	MP5A	Z	0	0	0	%100
41	M62	X	4.21	4.21	0	%100
42	M62	Z	0	0	0	%100
43	M63	X	1.052	1.052	0	%100
44	M63	Z	0	0	0	%100
45	M64	X	1.052	1.052	0	%100
46	M64	Z	0	0	0	%100
47	MP1C	X	3.889	3.889	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	4.407	4.407	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	3.889	3.889	0	%100
52	MP3C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
53	MP4C	X	4.055	4.055	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	3.889	3.889	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	3.889	3.889	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	4.407	4.407	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	3.889	3.889	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	4.055	4.055	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	3.889	3.889	0	%100
66	MP5B	Z	0	0	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M81A	X	3.305	3.305	0	%100
70	M81A	Z	0	0	0	%100
71	M82A	X	3.305	3.305	0	%100
72	M82A	Z	0	0	0	%100
73	M89	X	2.837	2.837	0	%100
74	M89	Z	0	0	0	%100
75	M90	X	2.837	2.837	0	%100
76	M90	Z	0	0	0	%100
77	M91	X	0	0	0	%100
78	M91	Z	0	0	0	%100
79	M92	X	2.246	2.246	0	%100
80	M92	Z	0	0	0	%100
81	M93	X	2.246	2.246	0	%100
82	M93	Z	0	0	0	%100
83	M94	X	.576	.576	0	%100
84	M94	Z	0	0	0	%100
85	M95	X	4.487	4.487	0	%100
86	M95	Z	0	0	0	%100
87	M96	X	4.487	4.487	0	%100
88	M96	Z	0	0	0	%100
89	M97	X	.576	.576	0	%100
90	M97	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	1.278	1.278	0	%100
2	M1	Z	.738	.738	0	%100
3	M2	X	1.2e-5	1.2e-5	0	%100
4	M2	Z	7e-6	7e-6	0	%100
5	M3	X	1.278	1.278	0	%100
6	M3	Z	.738	.738	0	%100
7	M4	X	3.174	3.174	0	%100
8	M4	Z	1.832	1.832	0	%100
9	M5	X	2.309	2.309	0	%100
10	M5	Z	1.333	1.333	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
11	M6	X	1.278	1.278	0	%100
12	M6	Z	.738	.738	0	%100
13	M7	X	3.174	3.174	0	%100
14	M7	Z	1.832	1.832	0	%100
15	M8	X	1.278	1.278	0	%100
16	M8	Z	.738	.738	0	%100
17	M9	X	1.2e-5	1.2e-5	0	%100
18	M9	Z	7e-6	7e-6	0	%100
19	M10	X	2.309	2.309	0	%100
20	M10	Z	1.333	1.333	0	%100
21	M11	X	5.111	5.111	0	%100
22	M11	Z	2.951	2.951	0	%100
23	M12	X	3.186	3.186	0	%100
24	M12	Z	1.839	1.839	0	%100
25	M13	X	5.111	5.111	0	%100
26	M13	Z	2.951	2.951	0	%100
27	M14	X	3.186	3.186	0	%100
28	M14	Z	1.839	1.839	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100
31	MP1A	X	3.368	3.368	0	%100
32	MP1A	Z	1.945	1.945	0	%100
33	MP2A	X	3.816	3.816	0	%100
34	MP2A	Z	2.203	2.203	0	%100
35	MP3A	X	3.368	3.368	0	%100
36	MP3A	Z	1.945	1.945	0	%100
37	MP4A	X	3.512	3.512	0	%100
38	MP4A	Z	2.027	2.027	0	%100
39	MP5A	X	3.368	3.368	0	%100
40	MP5A	Z	1.945	1.945	0	%100
41	M62	X	2.734	2.734	0	%100
42	M62	Z	1.579	1.579	0	%100
43	M63	X	2.734	2.734	0	%100
44	M63	Z	1.579	1.579	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	0	0	0	%100
47	MP1C	X	3.368	3.368	0	%100
48	MP1C	Z	1.945	1.945	0	%100
49	MP2C	X	3.816	3.816	0	%100
50	MP2C	Z	2.203	2.203	0	%100
51	MP3C	X	3.368	3.368	0	%100
52	MP3C	Z	1.945	1.945	0	%100
53	MP4C	X	3.512	3.512	0	%100
54	MP4C	Z	2.027	2.027	0	%100
55	MP5C	X	3.368	3.368	0	%100
56	MP5C	Z	1.945	1.945	0	%100
57	MP1B	X	3.368	3.368	0	%100
58	MP1B	Z	1.945	1.945	0	%100
59	MP2B	X	3.816	3.816	0	%100
60	MP2B	Z	2.203	2.203	0	%100
61	MP3B	X	3.368	3.368	0	%100
62	MP3B	Z	1.945	1.945	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
63	MP4B	X	3.512	3.512	0	%100
64	MP4B	Z	2.027	2.027	0	%100
65	MP5B	X	3.368	3.368	0	%100
66	MP5B	Z	1.945	1.945	0	%100
67	M65	X	.954	.954	0	%100
68	M65	Z	.551	.551	0	%100
69	M81A	X	.954	.954	0	%100
70	M81A	Z	.551	.551	0	%100
71	M82A	X	3.816	3.816	0	%100
72	M82A	Z	2.203	2.203	0	%100
73	M89	X	.819	.819	0	%100
74	M89	Z	.473	.473	0	%100
75	M90	X	3.276	3.276	0	%100
76	M90	Z	1.891	1.891	0	%100
77	M91	X	.819	.819	0	%100
78	M91	Z	.473	.473	0	%100
79	M92	X	3.721	3.721	0	%100
80	M92	Z	2.148	2.148	0	%100
81	M93	X	.334	.334	0	%100
82	M93	Z	.193	.193	0	%100
83	M94	X	.334	.334	0	%100
84	M94	Z	.193	.193	0	%100
85	M95	X	3.721	3.721	0	%100
86	M95	Z	2.148	2.148	0	%100
87	M96	X	2.275	2.275	0	%100
88	M96	Z	1.313	1.313	0	%100
89	M97	X	2.275	2.275	0	%100
90	M97	Z	1.313	1.313	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	2.213	2.213	0	%100
2	M1	Z	3.833	3.833	0	%100
3	M2	X	.616	.616	0	%100
4	M2	Z	1.066	1.066	0	%100
5	M3	X	2.213	2.213	0	%100
6	M3	Z	3.833	3.833	0	%100
7	M4	X	2.448	2.448	0	%100
8	M4	Z	4.24	4.24	0	%100
9	M5	X	.444	.444	0	%100
10	M5	Z	.77	.77	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	.608	.608	0	%100
14	M7	Z	1.054	1.054	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	.608	.608	0	%100
18	M9	Z	1.054	1.054	0	%100
19	M10	X	1.777	1.777	0	%100
20	M10	Z	3.078	3.078	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
21	M11	X	2.213	2.213	0	%100
22	M11	Z	3.833	3.833	0	%100
23	M12	X	2.448	2.448	0	%100
24	M12	Z	4.24	4.24	0	%100
25	M13	X	2.213	2.213	0	%100
26	M13	Z	3.833	3.833	0	%100
27	M14	X	.616	.616	0	%100
28	M14	Z	1.066	1.066	0	%100
29	M15	X	.444	.444	0	%100
30	M15	Z	.77	.77	0	%100
31	MP1A	X	1.945	1.945	0	%100
32	MP1A	Z	3.368	3.368	0	%100
33	MP2A	X	2.203	2.203	0	%100
34	MP2A	Z	3.816	3.816	0	%100
35	MP3A	X	1.945	1.945	0	%100
36	MP3A	Z	3.368	3.368	0	%100
37	MP4A	X	2.027	2.027	0	%100
38	MP4A	Z	3.512	3.512	0	%100
39	MP5A	X	1.945	1.945	0	%100
40	MP5A	Z	3.368	3.368	0	%100
41	M62	X	.526	.526	0	%100
42	M62	Z	.911	.911	0	%100
43	M63	X	2.105	2.105	0	%100
44	M63	Z	3.646	3.646	0	%100
45	M64	X	.526	.526	0	%100
46	M64	Z	.911	.911	0	%100
47	MP1C	X	1.945	1.945	0	%100
48	MP1C	Z	3.368	3.368	0	%100
49	MP2C	X	2.203	2.203	0	%100
50	MP2C	Z	3.816	3.816	0	%100
51	MP3C	X	1.945	1.945	0	%100
52	MP3C	Z	3.368	3.368	0	%100
53	MP4C	X	2.027	2.027	0	%100
54	MP4C	Z	3.512	3.512	0	%100
55	MP5C	X	1.945	1.945	0	%100
56	MP5C	Z	3.368	3.368	0	%100
57	MP1B	X	1.945	1.945	0	%100
58	MP1B	Z	3.368	3.368	0	%100
59	MP2B	X	2.203	2.203	0	%100
60	MP2B	Z	3.816	3.816	0	%100
61	MP3B	X	1.945	1.945	0	%100
62	MP3B	Z	3.368	3.368	0	%100
63	MP4B	X	2.027	2.027	0	%100
64	MP4B	Z	3.512	3.512	0	%100
65	MP5B	X	1.945	1.945	0	%100
66	MP5B	Z	3.368	3.368	0	%100
67	M65	X	1.652	1.652	0	%100
68	M65	Z	2.862	2.862	0	%100
69	M81A	X	0	0	0	%100
70	M81A	Z	0	0	0	%100
71	M82A	X	1.652	1.652	0	%100
72	M82A	Z	2.862	2.862	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
73	M89	X	0	0	0	%100
74	M89	Z	0	0	0	%100
75	M90	X	1.418	1.418	0	%100
76	M90	Z	2.457	2.457	0	%100
77	M91	X	1.418	1.418	0	%100
78	M91	Z	2.457	2.457	0	%100
79	M92	X	2.244	2.244	0	%100
80	M92	Z	3.886	3.886	0	%100
81	M93	X	.288	.288	0	%100
82	M93	Z	.499	.499	0	%100
83	M94	X	1.123	1.123	0	%100
84	M94	Z	1.945	1.945	0	%100
85	M95	X	1.123	1.123	0	%100
86	M95	Z	1.945	1.945	0	%100
87	M96	X	.288	.288	0	%100
88	M96	Z	.499	.499	0	%100
89	M97	X	2.244	2.244	0	%100
90	M97	Z	3.886	3.886	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	5.902	5.902	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	3.679	3.679	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	5.902	5.902	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	3.679	3.679	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	1.475	1.475	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	1.4e-5	1.4e-5	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	1.475	1.475	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	3.665	3.665	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	2.666	2.666	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	1.475	1.475	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	3.665	3.665	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	1.475	1.475	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	1.4e-5	1.4e-5	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	2.666	2.666	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
31	MP1A	X	0	0	0	%100
32	MP1A	Z	3.889	3.889	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	4.407	4.407	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	3.889	3.889	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	4.055	4.055	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	3.889	3.889	0	%100
41	M62	X	0	0	0	%100
42	M62	Z	0	0	0	%100
43	M63	X	0	0	0	%100
44	M63	Z	3.157	3.157	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	3.157	3.157	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	3.889	3.889	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	4.407	4.407	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	3.889	3.889	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	4.055	4.055	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	3.889	3.889	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	3.889	3.889	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	4.407	4.407	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	3.889	3.889	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	4.055	4.055	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	3.889	3.889	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	4.407	4.407	0	%100
69	M81A	X	0	0	0	%100
70	M81A	Z	1.102	1.102	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	1.102	1.102	0	%100
73	M89	X	0	0	0	%100
74	M89	Z	.946	.946	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	.946	.946	0	%100
77	M91	X	0	0	0	%100
78	M91	Z	3.782	3.782	0	%100
79	M92	X	0	0	0	%100
80	M92	Z	2.627	2.627	0	%100
81	M93	X	0	0	0	%100
82	M93	Z	2.627	2.627	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
83	M94	X	0	0	0	%100
84	M94	Z	4.297	4.297	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	.385	.385	0	%100
87	M96	X	0	0	0	%100
88	M96	Z	.385	.385	0	%100
89	M97	X	0	0	0	%100
90	M97	Z	4.297	4.297	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-2.213	-2.213	0	%100
2	M1	Z	3.833	3.833	0	%100
3	M2	X	-2.448	-2.448	0	%100
4	M2	Z	4.24	4.24	0	%100
5	M3	X	-2.213	-2.213	0	%100
6	M3	Z	3.833	3.833	0	%100
7	M4	X	-.616	-.616	0	%100
8	M4	Z	1.066	1.066	0	%100
9	M5	X	-.444	-.444	0	%100
10	M5	Z	.77	.77	0	%100
11	M6	X	-2.213	-2.213	0	%100
12	M6	Z	3.833	3.833	0	%100
13	M7	X	-.616	-.616	0	%100
14	M7	Z	1.066	1.066	0	%100
15	M8	X	-2.213	-2.213	0	%100
16	M8	Z	3.833	3.833	0	%100
17	M9	X	-2.448	-2.448	0	%100
18	M9	Z	4.24	4.24	0	%100
19	M10	X	-.444	-.444	0	%100
20	M10	Z	.77	.77	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-.608	-.608	0	%100
24	M12	Z	1.054	1.054	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-.608	-.608	0	%100
28	M14	Z	1.054	1.054	0	%100
29	M15	X	-1.777	-1.777	0	%100
30	M15	Z	3.078	3.078	0	%100
31	MP1A	X	-1.945	-1.945	0	%100
32	MP1A	Z	3.368	3.368	0	%100
33	MP2A	X	-2.203	-2.203	0	%100
34	MP2A	Z	3.816	3.816	0	%100
35	MP3A	X	-1.945	-1.945	0	%100
36	MP3A	Z	3.368	3.368	0	%100
37	MP4A	X	-2.027	-2.027	0	%100
38	MP4A	Z	3.512	3.512	0	%100
39	MP5A	X	-1.945	-1.945	0	%100
40	MP5A	Z	3.368	3.368	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
41	M62	X	-.526	-.526	0	%100
42	M62	Z	.911	.911	0	%100
43	M63	X	-.526	-.526	0	%100
44	M63	Z	.911	.911	0	%100
45	M64	X	-2.105	-2.105	0	%100
46	M64	Z	3.646	3.646	0	%100
47	MP1C	X	-1.945	-1.945	0	%100
48	MP1C	Z	3.368	3.368	0	%100
49	MP2C	X	-2.203	-2.203	0	%100
50	MP2C	Z	3.816	3.816	0	%100
51	MP3C	X	-1.945	-1.945	0	%100
52	MP3C	Z	3.368	3.368	0	%100
53	MP4C	X	-2.027	-2.027	0	%100
54	MP4C	Z	3.512	3.512	0	%100
55	MP5C	X	-1.945	-1.945	0	%100
56	MP5C	Z	3.368	3.368	0	%100
57	MP1B	X	-1.945	-1.945	0	%100
58	MP1B	Z	3.368	3.368	0	%100
59	MP2B	X	-2.203	-2.203	0	%100
60	MP2B	Z	3.816	3.816	0	%100
61	MP3B	X	-1.945	-1.945	0	%100
62	MP3B	Z	3.368	3.368	0	%100
63	MP4B	X	-2.027	-2.027	0	%100
64	MP4B	Z	3.512	3.512	0	%100
65	MP5B	X	-1.945	-1.945	0	%100
66	MP5B	Z	3.368	3.368	0	%100
67	M65	X	-1.652	-1.652	0	%100
68	M65	Z	2.862	2.862	0	%100
69	M81A	X	-1.652	-1.652	0	%100
70	M81A	Z	2.862	2.862	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	0	0	0	%100
73	M89	X	-1.418	-1.418	0	%100
74	M89	Z	2.457	2.457	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M91	X	-1.418	-1.418	0	%100
78	M91	Z	2.457	2.457	0	%100
79	M92	X	-.288	-.288	0	%100
80	M92	Z	.499	.499	0	%100
81	M93	X	-2.244	-2.244	0	%100
82	M93	Z	3.886	3.886	0	%100
83	M94	X	-2.244	-2.244	0	%100
84	M94	Z	3.886	3.886	0	%100
85	M95	X	-.288	-.288	0	%100
86	M95	Z	.499	.499	0	%100
87	M96	X	-1.123	-1.123	0	%100
88	M96	Z	1.945	1.945	0	%100
89	M97	X	-1.123	-1.123	0	%100
90	M97	Z	1.945	1.945	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-1.278	-1.278	0	%100
2	M1	Z	.738	.738	0	%100
3	M2	X	-3.174	-3.174	0	%100
4	M2	Z	1.832	1.832	0	%100
5	M3	X	-1.278	-1.278	0	%100
6	M3	Z	.738	.738	0	%100
7	M4	X	-1.2e-5	-1.2e-5	0	%100
8	M4	Z	7e-6	7e-6	0	%100
9	M5	X	-2.309	-2.309	0	%100
10	M5	Z	1.333	1.333	0	%100
11	M6	X	-5.111	-5.111	0	%100
12	M6	Z	2.951	2.951	0	%100
13	M7	X	-3.186	-3.186	0	%100
14	M7	Z	1.839	1.839	0	%100
15	M8	X	-5.111	-5.111	0	%100
16	M8	Z	2.951	2.951	0	%100
17	M9	X	-3.186	-3.186	0	%100
18	M9	Z	1.839	1.839	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-1.278	-1.278	0	%100
22	M11	Z	.738	.738	0	%100
23	M12	X	-1.2e-5	-1.2e-5	0	%100
24	M12	Z	7e-6	7e-6	0	%100
25	M13	X	-1.278	-1.278	0	%100
26	M13	Z	.738	.738	0	%100
27	M14	X	-3.174	-3.174	0	%100
28	M14	Z	1.832	1.832	0	%100
29	M15	X	-2.309	-2.309	0	%100
30	M15	Z	1.333	1.333	0	%100
31	MP1A	X	-3.368	-3.368	0	%100
32	MP1A	Z	1.945	1.945	0	%100
33	MP2A	X	-3.816	-3.816	0	%100
34	MP2A	Z	2.203	2.203	0	%100
35	MP3A	X	-3.368	-3.368	0	%100
36	MP3A	Z	1.945	1.945	0	%100
37	MP4A	X	-3.512	-3.512	0	%100
38	MP4A	Z	2.027	2.027	0	%100
39	MP5A	X	-3.368	-3.368	0	%100
40	MP5A	Z	1.945	1.945	0	%100
41	M62	X	-2.734	-2.734	0	%100
42	M62	Z	1.579	1.579	0	%100
43	M63	X	0	0	0	%100
44	M63	Z	0	0	0	%100
45	M64	X	-2.734	-2.734	0	%100
46	M64	Z	1.579	1.579	0	%100
47	MP1C	X	-3.368	-3.368	0	%100
48	MP1C	Z	1.945	1.945	0	%100
49	MP2C	X	-3.816	-3.816	0	%100
50	MP2C	Z	2.203	2.203	0	%100
51	MP3C	X	-3.368	-3.368	0	%100
52	MP3C	Z	1.945	1.945	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
53	MP4C	X	-3.512	-3.512	0	%100
54	MP4C	Z	2.027	2.027	0	%100
55	MP5C	X	-3.368	-3.368	0	%100
56	MP5C	Z	1.945	1.945	0	%100
57	MP1B	X	-3.368	-3.368	0	%100
58	MP1B	Z	1.945	1.945	0	%100
59	MP2B	X	-3.816	-3.816	0	%100
60	MP2B	Z	2.203	2.203	0	%100
61	MP3B	X	-3.368	-3.368	0	%100
62	MP3B	Z	1.945	1.945	0	%100
63	MP4B	X	-3.512	-3.512	0	%100
64	MP4B	Z	2.027	2.027	0	%100
65	MP5B	X	-3.368	-3.368	0	%100
66	MP5B	Z	1.945	1.945	0	%100
67	M65	X	-.954	-.954	0	%100
68	M65	Z	.551	.551	0	%100
69	M81A	X	-3.816	-3.816	0	%100
70	M81A	Z	2.203	2.203	0	%100
71	M82A	X	-.954	-.954	0	%100
72	M82A	Z	.551	.551	0	%100
73	M89	X	-3.276	-3.276	0	%100
74	M89	Z	1.891	1.891	0	%100
75	M90	X	-.819	-.819	0	%100
76	M90	Z	.473	.473	0	%100
77	M91	X	-.819	-.819	0	%100
78	M91	Z	.473	.473	0	%100
79	M92	X	-.334	-.334	0	%100
80	M92	Z	.193	.193	0	%100
81	M93	X	-3.721	-3.721	0	%100
82	M93	Z	2.148	2.148	0	%100
83	M94	X	-2.275	-2.275	0	%100
84	M94	Z	1.313	1.313	0	%100
85	M95	X	-2.275	-2.275	0	%100
86	M95	Z	1.313	1.313	0	%100
87	M96	X	-3.721	-3.721	0	%100
88	M96	Z	2.148	2.148	0	%100
89	M97	X	-.334	-.334	0	%100
90	M97	Z	.193	.193	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-1.217	-1.217	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-1.217	-1.217	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-3.555	-3.555	0	%100
10	M5	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
11	M6	X	-4.426	-4.426	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-4.896	-4.896	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-4.426	-4.426	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-1.231	-1.231	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-.889	-.889	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-4.426	-4.426	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-1.231	-1.231	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-4.426	-4.426	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-4.896	-4.896	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-.889	-.889	0	%100
30	M15	Z	0	0	0	%100
31	MP1A	X	-3.889	-3.889	0	%100
32	MP1A	Z	0	0	0	%100
33	MP2A	X	-4.407	-4.407	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	-3.889	-3.889	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	-4.055	-4.055	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	-3.889	-3.889	0	%100
40	MP5A	Z	0	0	0	%100
41	M62	X	-4.21	-4.21	0	%100
42	M62	Z	0	0	0	%100
43	M63	X	-1.052	-1.052	0	%100
44	M63	Z	0	0	0	%100
45	M64	X	-1.052	-1.052	0	%100
46	M64	Z	0	0	0	%100
47	MP1C	X	-3.889	-3.889	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	-4.407	-4.407	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	-3.889	-3.889	0	%100
52	MP3C	Z	0	0	0	%100
53	MP4C	X	-4.055	-4.055	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	-3.889	-3.889	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	-3.889	-3.889	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	-4.407	-4.407	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	-3.889	-3.889	0	%100
62	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
63	MP4B	X	-4.055	-4.055	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	-3.889	-3.889	0	%100
66	MP5B	Z	0	0	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M81A	X	-3.305	-3.305	0	%100
70	M81A	Z	0	0	0	%100
71	M82A	X	-3.305	-3.305	0	%100
72	M82A	Z	0	0	0	%100
73	M89	X	-2.837	-2.837	0	%100
74	M89	Z	0	0	0	%100
75	M90	X	-2.837	-2.837	0	%100
76	M90	Z	0	0	0	%100
77	M91	X	0	0	0	%100
78	M91	Z	0	0	0	%100
79	M92	X	-2.246	-2.246	0	%100
80	M92	Z	0	0	0	%100
81	M93	X	-2.246	-2.246	0	%100
82	M93	Z	0	0	0	%100
83	M94	X	-.576	-.576	0	%100
84	M94	Z	0	0	0	%100
85	M95	X	-4.487	-4.487	0	%100
86	M95	Z	0	0	0	%100
87	M96	X	-4.487	-4.487	0	%100
88	M96	Z	0	0	0	%100
89	M97	X	-.576	-.576	0	%100
90	M97	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-1.278	-1.278	0	%100
2	M1	Z	-.738	-.738	0	%100
3	M2	X	-1.2e-5	-1.2e-5	0	%100
4	M2	Z	-7e-6	-7e-6	0	%100
5	M3	X	-1.278	-1.278	0	%100
6	M3	Z	-.738	-.738	0	%100
7	M4	X	-3.174	-3.174	0	%100
8	M4	Z	-1.832	-1.832	0	%100
9	M5	X	-2.309	-2.309	0	%100
10	M5	Z	-1.333	-1.333	0	%100
11	M6	X	-1.278	-1.278	0	%100
12	M6	Z	-.738	-.738	0	%100
13	M7	X	-3.174	-3.174	0	%100
14	M7	Z	-1.832	-1.832	0	%100
15	M8	X	-1.278	-1.278	0	%100
16	M8	Z	-.738	-.738	0	%100
17	M9	X	-1.2e-5	-1.2e-5	0	%100
18	M9	Z	-7e-6	-7e-6	0	%100
19	M10	X	-2.309	-2.309	0	%100
20	M10	Z	-1.333	-1.333	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
21	M11	X	-5.111	-5.111	0	%100
22	M11	Z	-2.951	-2.951	0	%100
23	M12	X	-3.186	-3.186	0	%100
24	M12	Z	-1.839	-1.839	0	%100
25	M13	X	-5.111	-5.111	0	%100
26	M13	Z	-2.951	-2.951	0	%100
27	M14	X	-3.186	-3.186	0	%100
28	M14	Z	-1.839	-1.839	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100
31	MP1A	X	-3.368	-3.368	0	%100
32	MP1A	Z	-1.945	-1.945	0	%100
33	MP2A	X	-3.816	-3.816	0	%100
34	MP2A	Z	-2.203	-2.203	0	%100
35	MP3A	X	-3.368	-3.368	0	%100
36	MP3A	Z	-1.945	-1.945	0	%100
37	MP4A	X	-3.512	-3.512	0	%100
38	MP4A	Z	-2.027	-2.027	0	%100
39	MP5A	X	-3.368	-3.368	0	%100
40	MP5A	Z	-1.945	-1.945	0	%100
41	M62	X	-2.734	-2.734	0	%100
42	M62	Z	-1.579	-1.579	0	%100
43	M63	X	-2.734	-2.734	0	%100
44	M63	Z	-1.579	-1.579	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	0	0	0	%100
47	MP1C	X	-3.368	-3.368	0	%100
48	MP1C	Z	-1.945	-1.945	0	%100
49	MP2C	X	-3.816	-3.816	0	%100
50	MP2C	Z	-2.203	-2.203	0	%100
51	MP3C	X	-3.368	-3.368	0	%100
52	MP3C	Z	-1.945	-1.945	0	%100
53	MP4C	X	-3.512	-3.512	0	%100
54	MP4C	Z	-2.027	-2.027	0	%100
55	MP5C	X	-3.368	-3.368	0	%100
56	MP5C	Z	-1.945	-1.945	0	%100
57	MP1B	X	-3.368	-3.368	0	%100
58	MP1B	Z	-1.945	-1.945	0	%100
59	MP2B	X	-3.816	-3.816	0	%100
60	MP2B	Z	-2.203	-2.203	0	%100
61	MP3B	X	-3.368	-3.368	0	%100
62	MP3B	Z	-1.945	-1.945	0	%100
63	MP4B	X	-3.512	-3.512	0	%100
64	MP4B	Z	-2.027	-2.027	0	%100
65	MP5B	X	-3.368	-3.368	0	%100
66	MP5B	Z	-1.945	-1.945	0	%100
67	M65	X	-.954	-.954	0	%100
68	M65	Z	-.551	-.551	0	%100
69	M81A	X	-.954	-.954	0	%100
70	M81A	Z	-.551	-.551	0	%100
71	M82A	X	-3.816	-3.816	0	%100
72	M82A	Z	-2.203	-2.203	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
73	M89	X	-.819	-.819	0	%100
74	M89	Z	-.473	-.473	0	%100
75	M90	X	-3.276	-3.276	0	%100
76	M90	Z	-1.891	-1.891	0	%100
77	M91	X	-.819	-.819	0	%100
78	M91	Z	-.473	-.473	0	%100
79	M92	X	-3.721	-3.721	0	%100
80	M92	Z	-2.148	-2.148	0	%100
81	M93	X	-.334	-.334	0	%100
82	M93	Z	-.193	-.193	0	%100
83	M94	X	-.334	-.334	0	%100
84	M94	Z	-.193	-.193	0	%100
85	M95	X	-3.721	-3.721	0	%100
86	M95	Z	-2.148	-2.148	0	%100
87	M96	X	-2.275	-2.275	0	%100
88	M96	Z	-1.313	-1.313	0	%100
89	M97	X	-2.275	-2.275	0	%100
90	M97	Z	-1.313	-1.313	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-2.213	-2.213	0	%100
2	M1	Z	-3.833	-3.833	0	%100
3	M2	X	-.616	-.616	0	%100
4	M2	Z	-1.066	-1.066	0	%100
5	M3	X	-2.213	-2.213	0	%100
6	M3	Z	-3.833	-3.833	0	%100
7	M4	X	-2.448	-2.448	0	%100
8	M4	Z	-4.24	-4.24	0	%100
9	M5	X	-.444	-.444	0	%100
10	M5	Z	-.77	-.77	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-.608	-.608	0	%100
14	M7	Z	-1.054	-1.054	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-.608	-.608	0	%100
18	M9	Z	-1.054	-1.054	0	%100
19	M10	X	-1.777	-1.777	0	%100
20	M10	Z	-3.078	-3.078	0	%100
21	M11	X	-2.213	-2.213	0	%100
22	M11	Z	-3.833	-3.833	0	%100
23	M12	X	-2.448	-2.448	0	%100
24	M12	Z	-4.24	-4.24	0	%100
25	M13	X	-2.213	-2.213	0	%100
26	M13	Z	-3.833	-3.833	0	%100
27	M14	X	-.616	-.616	0	%100
28	M14	Z	-1.066	-1.066	0	%100
29	M15	X	-.444	-.444	0	%100
30	M15	Z	-.77	-.77	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
31	MP1A	X	-1.945	-1.945	0	%100
32	MP1A	Z	-3.368	-3.368	0	%100
33	MP2A	X	-2.203	-2.203	0	%100
34	MP2A	Z	-3.816	-3.816	0	%100
35	MP3A	X	-1.945	-1.945	0	%100
36	MP3A	Z	-3.368	-3.368	0	%100
37	MP4A	X	-2.027	-2.027	0	%100
38	MP4A	Z	-3.512	-3.512	0	%100
39	MP5A	X	-1.945	-1.945	0	%100
40	MP5A	Z	-3.368	-3.368	0	%100
41	M62	X	-.526	-.526	0	%100
42	M62	Z	-.911	-.911	0	%100
43	M63	X	-2.105	-2.105	0	%100
44	M63	Z	-3.646	-3.646	0	%100
45	M64	X	-.526	-.526	0	%100
46	M64	Z	-.911	-.911	0	%100
47	MP1C	X	-1.945	-1.945	0	%100
48	MP1C	Z	-3.368	-3.368	0	%100
49	MP2C	X	-2.203	-2.203	0	%100
50	MP2C	Z	-3.816	-3.816	0	%100
51	MP3C	X	-1.945	-1.945	0	%100
52	MP3C	Z	-3.368	-3.368	0	%100
53	MP4C	X	-2.027	-2.027	0	%100
54	MP4C	Z	-3.512	-3.512	0	%100
55	MP5C	X	-1.945	-1.945	0	%100
56	MP5C	Z	-3.368	-3.368	0	%100
57	MP1B	X	-1.945	-1.945	0	%100
58	MP1B	Z	-3.368	-3.368	0	%100
59	MP2B	X	-2.203	-2.203	0	%100
60	MP2B	Z	-3.816	-3.816	0	%100
61	MP3B	X	-1.945	-1.945	0	%100
62	MP3B	Z	-3.368	-3.368	0	%100
63	MP4B	X	-2.027	-2.027	0	%100
64	MP4B	Z	-3.512	-3.512	0	%100
65	MP5B	X	-1.945	-1.945	0	%100
66	MP5B	Z	-3.368	-3.368	0	%100
67	M65	X	-1.652	-1.652	0	%100
68	M65	Z	-2.862	-2.862	0	%100
69	M81A	X	0	0	0	%100
70	M81A	Z	0	0	0	%100
71	M82A	X	-1.652	-1.652	0	%100
72	M82A	Z	-2.862	-2.862	0	%100
73	M89	X	0	0	0	%100
74	M89	Z	0	0	0	%100
75	M90	X	-1.418	-1.418	0	%100
76	M90	Z	-2.457	-2.457	0	%100
77	M91	X	-1.418	-1.418	0	%100
78	M91	Z	-2.457	-2.457	0	%100
79	M92	X	-2.244	-2.244	0	%100
80	M92	Z	-3.886	-3.886	0	%100
81	M93	X	-.288	-.288	0	%100
82	M93	Z	-.499	-.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
83	M94	X	-1.123	-1.123	0	%100
84	M94	Z	-1.945	-1.945	0	%100
85	M95	X	-1.123	-1.123	0	%100
86	M95	Z	-1.945	-1.945	0	%100
87	M96	X	-.288	-.288	0	%100
88	M96	Z	-.499	-.499	0	%100
89	M97	X	-2.244	-2.244	0	%100
90	M97	Z	-3.886	-3.886	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	-1.266	-1.266	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.809	-.809	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-1.266	-1.266	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.809	-.809	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-.317	-.317	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-3e-6	-3e-6	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-.317	-.317	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-.806	-.806	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-.575	-.575	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-.317	-.317	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-.806	-.806	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	-.317	-.317	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-3e-6	-3e-6	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	-.575	-.575	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	-.602	-.602	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-.728	-.728	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-.602	-.602	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-.602	-.602	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	-.602	-.602	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
41	M62	X	0	0	0	%100
42	M62	Z	0	0	0	%100
43	M63	X	0	0	0	%100
44	M63	Z	-.707	-.707	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	-.707	-.707	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	-.602	-.602	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	-.728	-.728	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	-.602	-.602	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	-.602	-.602	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	-.602	-.602	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	-.602	-.602	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	-.728	-.728	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	-.602	-.602	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-.602	-.602	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	-.602	-.602	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-.728	-.728	0	%100
69	M81A	X	0	0	0	%100
70	M81A	Z	-.182	-.182	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	-.182	-.182	0	%100
73	M89	X	0	0	0	%100
74	M89	Z	-.208	-.208	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-.208	-.208	0	%100
77	M91	X	0	0	0	%100
78	M91	Z	-.83	-.83	0	%100
79	M92	X	0	0	0	%100
80	M92	Z	-.55	-.55	0	%100
81	M93	X	0	0	0	%100
82	M93	Z	-.55	-.55	0	%100
83	M94	X	0	0	0	%100
84	M94	Z	-.9	-.9	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	-.081	-.081	0	%100
87	M96	X	0	0	0	%100
88	M96	Z	-.081	-.081	0	%100
89	M97	X	0	0	0	%100
90	M97	Z	-.9	-.9	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	.475	.475	0	%100
2	M1	Z	-.823	-.823	0	%100
3	M2	X	.538	.538	0	%100
4	M2	Z	-.932	-.932	0	%100
5	M3	X	.475	.475	0	%100
6	M3	Z	-.823	-.823	0	%100
7	M4	X	.135	.135	0	%100
8	M4	Z	-.234	-.234	0	%100
9	M5	X	.096	.096	0	%100
10	M5	Z	-.166	-.166	0	%100
11	M6	X	.475	.475	0	%100
12	M6	Z	-.823	-.823	0	%100
13	M7	X	.135	.135	0	%100
14	M7	Z	-.234	-.234	0	%100
15	M8	X	.475	.475	0	%100
16	M8	Z	-.823	-.823	0	%100
17	M9	X	.538	.538	0	%100
18	M9	Z	-.932	-.932	0	%100
19	M10	X	.096	.096	0	%100
20	M10	Z	-.166	-.166	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	.134	.134	0	%100
24	M12	Z	-.232	-.232	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	.134	.134	0	%100
28	M14	Z	-.232	-.232	0	%100
29	M15	X	.384	.384	0	%100
30	M15	Z	-.664	-.664	0	%100
31	MP1A	X	.301	.301	0	%100
32	MP1A	Z	-.521	-.521	0	%100
33	MP2A	X	.364	.364	0	%100
34	MP2A	Z	-.631	-.631	0	%100
35	MP3A	X	.301	.301	0	%100
36	MP3A	Z	-.521	-.521	0	%100
37	MP4A	X	.301	.301	0	%100
38	MP4A	Z	-.521	-.521	0	%100
39	MP5A	X	.301	.301	0	%100
40	MP5A	Z	-.521	-.521	0	%100
41	M62	X	.118	.118	0	%100
42	M62	Z	-.204	-.204	0	%100
43	M63	X	.118	.118	0	%100
44	M63	Z	-.204	-.204	0	%100
45	M64	X	.471	.471	0	%100
46	M64	Z	-.816	-.816	0	%100
47	MP1C	X	.301	.301	0	%100
48	MP1C	Z	-.521	-.521	0	%100
49	MP2C	X	.364	.364	0	%100
50	MP2C	Z	-.631	-.631	0	%100
51	MP3C	X	.301	.301	0	%100
52	MP3C	Z	-.521	-.521	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
53	MP4C	X	.301	.301	0	%100
54	MP4C	Z	-.521	-.521	0	%100
55	MP5C	X	.301	.301	0	%100
56	MP5C	Z	-.521	-.521	0	%100
57	MP1B	X	.301	.301	0	%100
58	MP1B	Z	-.521	-.521	0	%100
59	MP2B	X	.364	.364	0	%100
60	MP2B	Z	-.631	-.631	0	%100
61	MP3B	X	.301	.301	0	%100
62	MP3B	Z	-.521	-.521	0	%100
63	MP4B	X	.301	.301	0	%100
64	MP4B	Z	-.521	-.521	0	%100
65	MP5B	X	.301	.301	0	%100
66	MP5B	Z	-.521	-.521	0	%100
67	M65	X	.273	.273	0	%100
68	M65	Z	-.473	-.473	0	%100
69	M81A	X	.273	.273	0	%100
70	M81A	Z	-.473	-.473	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	0	0	0	%100
73	M89	X	.311	.311	0	%100
74	M89	Z	-.539	-.539	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M91	X	.311	.311	0	%100
78	M91	Z	-.539	-.539	0	%100
79	M92	X	.06	.06	0	%100
80	M92	Z	-.105	-.105	0	%100
81	M93	X	.47	.47	0	%100
82	M93	Z	-.814	-.814	0	%100
83	M94	X	.47	.47	0	%100
84	M94	Z	-.814	-.814	0	%100
85	M95	X	.06	.06	0	%100
86	M95	Z	-.105	-.105	0	%100
87	M96	X	.235	.235	0	%100
88	M96	Z	-.408	-.408	0	%100
89	M97	X	.235	.235	0	%100
90	M97	Z	-.408	-.408	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	.274	.274	0	%100
2	M1	Z	-.158	-.158	0	%100
3	M2	X	.698	.698	0	%100
4	M2	Z	-.403	-.403	0	%100
5	M3	X	.274	.274	0	%100
6	M3	Z	-.158	-.158	0	%100
7	M4	X	3e-6	3e-6	0	%100
8	M4	Z	-2e-6	-2e-6	0	%100
9	M5	X	.498	.498	0	%100
10	M5	Z	-.288	-.288	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
11	M6	X	1.097	1.097	0	%100
12	M6	Z	-.633	-.633	0	%100
13	M7	X	.701	.701	0	%100
14	M7	Z	-.404	-.404	0	%100
15	M8	X	1.097	1.097	0	%100
16	M8	Z	-.633	-.633	0	%100
17	M9	X	.701	.701	0	%100
18	M9	Z	-.404	-.404	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	.274	.274	0	%100
22	M11	Z	-.158	-.158	0	%100
23	M12	X	3e-6	3e-6	0	%100
24	M12	Z	-2e-6	-2e-6	0	%100
25	M13	X	.274	.274	0	%100
26	M13	Z	-.158	-.158	0	%100
27	M14	X	.698	.698	0	%100
28	M14	Z	-.403	-.403	0	%100
29	M15	X	.498	.498	0	%100
30	M15	Z	-.288	-.288	0	%100
31	MP1A	X	.521	.521	0	%100
32	MP1A	Z	-.301	-.301	0	%100
33	MP2A	X	.631	.631	0	%100
34	MP2A	Z	-.364	-.364	0	%100
35	MP3A	X	.521	.521	0	%100
36	MP3A	Z	-.301	-.301	0	%100
37	MP4A	X	.521	.521	0	%100
38	MP4A	Z	-.301	-.301	0	%100
39	MP5A	X	.521	.521	0	%100
40	MP5A	Z	-.301	-.301	0	%100
41	M62	X	.612	.612	0	%100
42	M62	Z	-.353	-.353	0	%100
43	M63	X	0	0	0	%100
44	M63	Z	0	0	0	%100
45	M64	X	.612	.612	0	%100
46	M64	Z	-.353	-.353	0	%100
47	MP1C	X	.521	.521	0	%100
48	MP1C	Z	-.301	-.301	0	%100
49	MP2C	X	.631	.631	0	%100
50	MP2C	Z	-.364	-.364	0	%100
51	MP3C	X	.521	.521	0	%100
52	MP3C	Z	-.301	-.301	0	%100
53	MP4C	X	.521	.521	0	%100
54	MP4C	Z	-.301	-.301	0	%100
55	MP5C	X	.521	.521	0	%100
56	MP5C	Z	-.301	-.301	0	%100
57	MP1B	X	.521	.521	0	%100
58	MP1B	Z	-.301	-.301	0	%100
59	MP2B	X	.631	.631	0	%100
60	MP2B	Z	-.364	-.364	0	%100
61	MP3B	X	.521	.521	0	%100
62	MP3B	Z	-.301	-.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
63	MP4B	X	.521	.521	0	%100
64	MP4B	Z	-.301	-.301	0	%100
65	MP5B	X	.521	.521	0	%100
66	MP5B	Z	-.301	-.301	0	%100
67	M65	X	.158	.158	0	%100
68	M65	Z	-.091	-.091	0	%100
69	M81A	X	.631	.631	0	%100
70	M81A	Z	-.364	-.364	0	%100
71	M82A	X	.158	.158	0	%100
72	M82A	Z	-.091	-.091	0	%100
73	M89	X	.719	.719	0	%100
74	M89	Z	-.415	-.415	0	%100
75	M90	X	.18	.18	0	%100
76	M90	Z	-.104	-.104	0	%100
77	M91	X	.18	.18	0	%100
78	M91	Z	-.104	-.104	0	%100
79	M92	X	.07	.07	0	%100
80	M92	Z	-.04	-.04	0	%100
81	M93	X	.78	.78	0	%100
82	M93	Z	-.45	-.45	0	%100
83	M94	X	.477	.477	0	%100
84	M94	Z	-.275	-.275	0	%100
85	M95	X	.477	.477	0	%100
86	M95	Z	-.275	-.275	0	%100
87	M96	X	.78	.78	0	%100
88	M96	Z	-.45	-.45	0	%100
89	M97	X	.07	.07	0	%100
90	M97	Z	-.04	-.04	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.268	.268	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.268	.268	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.767	.767	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	.95	.95	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	1.076	1.076	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	.95	.95	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	.271	.271	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	.192	.192	0	%100
20	M10	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
21	M11	X	.95	.95	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	.271	.271	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	.95	.95	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	1.076	1.076	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	.192	.192	0	%100
30	M15	Z	0	0	0	%100
31	MP1A	X	.602	.602	0	%100
32	MP1A	Z	0	0	0	%100
33	MP2A	X	.728	.728	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	.602	.602	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	.602	.602	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	.602	.602	0	%100
40	MP5A	Z	0	0	0	%100
41	M62	X	.942	.942	0	%100
42	M62	Z	0	0	0	%100
43	M63	X	.236	.236	0	%100
44	M63	Z	0	0	0	%100
45	M64	X	.236	.236	0	%100
46	M64	Z	0	0	0	%100
47	MP1C	X	.602	.602	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	.728	.728	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	.602	.602	0	%100
52	MP3C	Z	0	0	0	%100
53	MP4C	X	.602	.602	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	.602	.602	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	.602	.602	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	.728	.728	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	.602	.602	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	.602	.602	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	.602	.602	0	%100
66	MP5B	Z	0	0	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M81A	X	.546	.546	0	%100
70	M81A	Z	0	0	0	%100
71	M82A	X	.546	.546	0	%100
72	M82A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
73	M89	X	.623	.623	0	%100
74	M89	Z	0	0	0	%100
75	M90	X	.623	.623	0	%100
76	M90	Z	0	0	0	%100
77	M91	X	0	0	0	%100
78	M91	Z	0	0	0	%100
79	M92	X	.471	.471	0	%100
80	M92	Z	0	0	0	%100
81	M93	X	.471	.471	0	%100
82	M93	Z	0	0	0	%100
83	M94	X	.121	.121	0	%100
84	M94	Z	0	0	0	%100
85	M95	X	.94	.94	0	%100
86	M95	Z	0	0	0	%100
87	M96	X	.94	.94	0	%100
88	M96	Z	0	0	0	%100
89	M97	X	.121	.121	0	%100
90	M97	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	.274	.274	0	%100
2	M1	Z	.158	.158	0	%100
3	M2	X	3e-6	3e-6	0	%100
4	M2	Z	2e-6	2e-6	0	%100
5	M3	X	.274	.274	0	%100
6	M3	Z	.158	.158	0	%100
7	M4	X	.698	.698	0	%100
8	M4	Z	.403	.403	0	%100
9	M5	X	.498	.498	0	%100
10	M5	Z	.288	.288	0	%100
11	M6	X	.274	.274	0	%100
12	M6	Z	.158	.158	0	%100
13	M7	X	.698	.698	0	%100
14	M7	Z	.403	.403	0	%100
15	M8	X	.274	.274	0	%100
16	M8	Z	.158	.158	0	%100
17	M9	X	3e-6	3e-6	0	%100
18	M9	Z	2e-6	2e-6	0	%100
19	M10	X	.498	.498	0	%100
20	M10	Z	.288	.288	0	%100
21	M11	X	1.097	1.097	0	%100
22	M11	Z	.633	.633	0	%100
23	M12	X	.701	.701	0	%100
24	M12	Z	.404	.404	0	%100
25	M13	X	1.097	1.097	0	%100
26	M13	Z	.633	.633	0	%100
27	M14	X	.701	.701	0	%100
28	M14	Z	.404	.404	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
31	MP1A	X	.521	.521	0	%100
32	MP1A	Z	.301	.301	0	%100
33	MP2A	X	.631	.631	0	%100
34	MP2A	Z	.364	.364	0	%100
35	MP3A	X	.521	.521	0	%100
36	MP3A	Z	.301	.301	0	%100
37	MP4A	X	.521	.521	0	%100
38	MP4A	Z	.301	.301	0	%100
39	MP5A	X	.521	.521	0	%100
40	MP5A	Z	.301	.301	0	%100
41	M62	X	.612	.612	0	%100
42	M62	Z	.353	.353	0	%100
43	M63	X	.612	.612	0	%100
44	M63	Z	.353	.353	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	0	0	0	%100
47	MP1C	X	.521	.521	0	%100
48	MP1C	Z	.301	.301	0	%100
49	MP2C	X	.631	.631	0	%100
50	MP2C	Z	.364	.364	0	%100
51	MP3C	X	.521	.521	0	%100
52	MP3C	Z	.301	.301	0	%100
53	MP4C	X	.521	.521	0	%100
54	MP4C	Z	.301	.301	0	%100
55	MP5C	X	.521	.521	0	%100
56	MP5C	Z	.301	.301	0	%100
57	MP1B	X	.521	.521	0	%100
58	MP1B	Z	.301	.301	0	%100
59	MP2B	X	.631	.631	0	%100
60	MP2B	Z	.364	.364	0	%100
61	MP3B	X	.521	.521	0	%100
62	MP3B	Z	.301	.301	0	%100
63	MP4B	X	.521	.521	0	%100
64	MP4B	Z	.301	.301	0	%100
65	MP5B	X	.521	.521	0	%100
66	MP5B	Z	.301	.301	0	%100
67	M65	X	.158	.158	0	%100
68	M65	Z	.091	.091	0	%100
69	M81A	X	.158	.158	0	%100
70	M81A	Z	.091	.091	0	%100
71	M82A	X	.631	.631	0	%100
72	M82A	Z	.364	.364	0	%100
73	M89	X	.18	.18	0	%100
74	M89	Z	.104	.104	0	%100
75	M90	X	.719	.719	0	%100
76	M90	Z	.415	.415	0	%100
77	M91	X	.18	.18	0	%100
78	M91	Z	.104	.104	0	%100
79	M92	X	.78	.78	0	%100
80	M92	Z	.45	.45	0	%100
81	M93	X	.07	.07	0	%100
82	M93	Z	.04	.04	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
83	M94	X	.07	.07	0	%100
84	M94	Z	.04	.04	0	%100
85	M95	X	.78	.78	0	%100
86	M95	Z	.45	.45	0	%100
87	M96	X	.477	.477	0	%100
88	M96	Z	.275	.275	0	%100
89	M97	X	.477	.477	0	%100
90	M97	Z	.275	.275	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	.475	.475	0	%100
2	M1	Z	.823	.823	0	%100
3	M2	X	.135	.135	0	%100
4	M2	Z	.234	.234	0	%100
5	M3	X	.475	.475	0	%100
6	M3	Z	.823	.823	0	%100
7	M4	X	.538	.538	0	%100
8	M4	Z	.932	.932	0	%100
9	M5	X	.096	.096	0	%100
10	M5	Z	.166	.166	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	.134	.134	0	%100
14	M7	Z	.232	.232	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	.134	.134	0	%100
18	M9	Z	.232	.232	0	%100
19	M10	X	.384	.384	0	%100
20	M10	Z	.664	.664	0	%100
21	M11	X	.475	.475	0	%100
22	M11	Z	.823	.823	0	%100
23	M12	X	.538	.538	0	%100
24	M12	Z	.932	.932	0	%100
25	M13	X	.475	.475	0	%100
26	M13	Z	.823	.823	0	%100
27	M14	X	.135	.135	0	%100
28	M14	Z	.234	.234	0	%100
29	M15	X	.096	.096	0	%100
30	M15	Z	.166	.166	0	%100
31	MP1A	X	.301	.301	0	%100
32	MP1A	Z	.521	.521	0	%100
33	MP2A	X	.364	.364	0	%100
34	MP2A	Z	.631	.631	0	%100
35	MP3A	X	.301	.301	0	%100
36	MP3A	Z	.521	.521	0	%100
37	MP4A	X	.301	.301	0	%100
38	MP4A	Z	.521	.521	0	%100
39	MP5A	X	.301	.301	0	%100
40	MP5A	Z	.521	.521	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
41	M62	X	.118	.118	0	%100
42	M62	Z	.204	.204	0	%100
43	M63	X	.471	.471	0	%100
44	M63	Z	.816	.816	0	%100
45	M64	X	.118	.118	0	%100
46	M64	Z	.204	.204	0	%100
47	MP1C	X	.301	.301	0	%100
48	MP1C	Z	.521	.521	0	%100
49	MP2C	X	.364	.364	0	%100
50	MP2C	Z	.631	.631	0	%100
51	MP3C	X	.301	.301	0	%100
52	MP3C	Z	.521	.521	0	%100
53	MP4C	X	.301	.301	0	%100
54	MP4C	Z	.521	.521	0	%100
55	MP5C	X	.301	.301	0	%100
56	MP5C	Z	.521	.521	0	%100
57	MP1B	X	.301	.301	0	%100
58	MP1B	Z	.521	.521	0	%100
59	MP2B	X	.364	.364	0	%100
60	MP2B	Z	.631	.631	0	%100
61	MP3B	X	.301	.301	0	%100
62	MP3B	Z	.521	.521	0	%100
63	MP4B	X	.301	.301	0	%100
64	MP4B	Z	.521	.521	0	%100
65	MP5B	X	.301	.301	0	%100
66	MP5B	Z	.521	.521	0	%100
67	M65	X	.273	.273	0	%100
68	M65	Z	.473	.473	0	%100
69	M81A	X	0	0	0	%100
70	M81A	Z	0	0	0	%100
71	M82A	X	.273	.273	0	%100
72	M82A	Z	.473	.473	0	%100
73	M89	X	0	0	0	%100
74	M89	Z	0	0	0	%100
75	M90	X	.311	.311	0	%100
76	M90	Z	.539	.539	0	%100
77	M91	X	.311	.311	0	%100
78	M91	Z	.539	.539	0	%100
79	M92	X	.47	.47	0	%100
80	M92	Z	.814	.814	0	%100
81	M93	X	.06	.06	0	%100
82	M93	Z	.105	.105	0	%100
83	M94	X	.235	.235	0	%100
84	M94	Z	.408	.408	0	%100
85	M95	X	.235	.235	0	%100
86	M95	Z	.408	.408	0	%100
87	M96	X	.06	.06	0	%100
88	M96	Z	.105	.105	0	%100
89	M97	X	.47	.47	0	%100
90	M97	Z	.814	.814	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	1.266	1.266	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.809	.809	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	1.266	1.266	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.809	.809	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	.317	.317	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	3e-6	3e-6	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	.317	.317	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	.806	.806	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	.575	.575	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	.317	.317	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	.806	.806	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	.317	.317	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	3e-6	3e-6	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	.575	.575	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	.602	.602	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	.728	.728	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	.602	.602	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	.602	.602	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	.602	.602	0	%100
41	M62	X	0	0	0	%100
42	M62	Z	0	0	0	%100
43	M63	X	0	0	0	%100
44	M63	Z	.707	.707	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	.707	.707	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	.602	.602	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	.728	.728	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	.602	.602	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
53	MP4C	X	0	0	0	%100
54	MP4C	Z	.602	.602	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	.602	.602	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	.602	.602	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	.728	.728	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	.602	.602	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	.602	.602	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	.602	.602	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	.728	.728	0	%100
69	M81A	X	0	0	0	%100
70	M81A	Z	.182	.182	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	.182	.182	0	%100
73	M89	X	0	0	0	%100
74	M89	Z	.208	.208	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	.208	.208	0	%100
77	M91	X	0	0	0	%100
78	M91	Z	.83	.83	0	%100
79	M92	X	0	0	0	%100
80	M92	Z	.55	.55	0	%100
81	M93	X	0	0	0	%100
82	M93	Z	.55	.55	0	%100
83	M94	X	0	0	0	%100
84	M94	Z	.9	.9	0	%100
85	M95	X	0	0	0	%100
86	M95	Z	.081	.081	0	%100
87	M96	X	0	0	0	%100
88	M96	Z	.081	.081	0	%100
89	M97	X	0	0	0	%100
90	M97	Z	.9	.9	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-.475	-.475	0	%100
2	M1	Z	.823	.823	0	%100
3	M2	X	-.538	-.538	0	%100
4	M2	Z	.932	.932	0	%100
5	M3	X	-.475	-.475	0	%100
6	M3	Z	.823	.823	0	%100
7	M4	X	-.135	-.135	0	%100
8	M4	Z	.234	.234	0	%100
9	M5	X	-.096	-.096	0	%100
10	M5	Z	.166	.166	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
11	M6	X	-.475	-.475	0	%100
12	M6	Z	.823	.823	0	%100
13	M7	X	-.135	-.135	0	%100
14	M7	Z	.234	.234	0	%100
15	M8	X	-.475	-.475	0	%100
16	M8	Z	.823	.823	0	%100
17	M9	X	-.538	-.538	0	%100
18	M9	Z	.932	.932	0	%100
19	M10	X	-.096	-.096	0	%100
20	M10	Z	.166	.166	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-.134	-.134	0	%100
24	M12	Z	.232	.232	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-.134	-.134	0	%100
28	M14	Z	.232	.232	0	%100
29	M15	X	-.384	-.384	0	%100
30	M15	Z	.664	.664	0	%100
31	MP1A	X	-.301	-.301	0	%100
32	MP1A	Z	.521	.521	0	%100
33	MP2A	X	-.364	-.364	0	%100
34	MP2A	Z	.631	.631	0	%100
35	MP3A	X	-.301	-.301	0	%100
36	MP3A	Z	.521	.521	0	%100
37	MP4A	X	-.301	-.301	0	%100
38	MP4A	Z	.521	.521	0	%100
39	MP5A	X	-.301	-.301	0	%100
40	MP5A	Z	.521	.521	0	%100
41	M62	X	-.118	-.118	0	%100
42	M62	Z	.204	.204	0	%100
43	M63	X	-.118	-.118	0	%100
44	M63	Z	.204	.204	0	%100
45	M64	X	-.471	-.471	0	%100
46	M64	Z	.816	.816	0	%100
47	MP1C	X	-.301	-.301	0	%100
48	MP1C	Z	.521	.521	0	%100
49	MP2C	X	-.364	-.364	0	%100
50	MP2C	Z	.631	.631	0	%100
51	MP3C	X	-.301	-.301	0	%100
52	MP3C	Z	.521	.521	0	%100
53	MP4C	X	-.301	-.301	0	%100
54	MP4C	Z	.521	.521	0	%100
55	MP5C	X	-.301	-.301	0	%100
56	MP5C	Z	.521	.521	0	%100
57	MP1B	X	-.301	-.301	0	%100
58	MP1B	Z	.521	.521	0	%100
59	MP2B	X	-.364	-.364	0	%100
60	MP2B	Z	.631	.631	0	%100
61	MP3B	X	-.301	-.301	0	%100
62	MP3B	Z	.521	.521	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
63	MP4B	X	-.301	-.301	0	%100
64	MP4B	Z	.521	.521	0	%100
65	MP5B	X	-.301	-.301	0	%100
66	MP5B	Z	.521	.521	0	%100
67	M65	X	-.273	-.273	0	%100
68	M65	Z	.473	.473	0	%100
69	M81A	X	-.273	-.273	0	%100
70	M81A	Z	.473	.473	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	0	0	0	%100
73	M89	X	-.311	-.311	0	%100
74	M89	Z	.539	.539	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M91	X	-.311	-.311	0	%100
78	M91	Z	.539	.539	0	%100
79	M92	X	-.06	-.06	0	%100
80	M92	Z	.105	.105	0	%100
81	M93	X	-.47	-.47	0	%100
82	M93	Z	.814	.814	0	%100
83	M94	X	-.47	-.47	0	%100
84	M94	Z	.814	.814	0	%100
85	M95	X	-.06	-.06	0	%100
86	M95	Z	.105	.105	0	%100
87	M96	X	-.235	-.235	0	%100
88	M96	Z	.408	.408	0	%100
89	M97	X	-.235	-.235	0	%100
90	M97	Z	.408	.408	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-.274	-.274	0	%100
2	M1	Z	.158	.158	0	%100
3	M2	X	-.698	-.698	0	%100
4	M2	Z	.403	.403	0	%100
5	M3	X	-.274	-.274	0	%100
6	M3	Z	.158	.158	0	%100
7	M4	X	-3e-6	-3e-6	0	%100
8	M4	Z	2e-6	2e-6	0	%100
9	M5	X	-.498	-.498	0	%100
10	M5	Z	.288	.288	0	%100
11	M6	X	-1.097	-1.097	0	%100
12	M6	Z	.633	.633	0	%100
13	M7	X	-.701	-.701	0	%100
14	M7	Z	.404	.404	0	%100
15	M8	X	-1.097	-1.097	0	%100
16	M8	Z	.633	.633	0	%100
17	M9	X	-.701	-.701	0	%100
18	M9	Z	.404	.404	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
21	M11	X	-.274	-.274	0	%100
22	M11	Z	.158	.158	0	%100
23	M12	X	-3e-6	-3e-6	0	%100
24	M12	Z	2e-6	2e-6	0	%100
25	M13	X	-.274	-.274	0	%100
26	M13	Z	.158	.158	0	%100
27	M14	X	-.698	-.698	0	%100
28	M14	Z	.403	.403	0	%100
29	M15	X	-.498	-.498	0	%100
30	M15	Z	.288	.288	0	%100
31	MP1A	X	-.521	-.521	0	%100
32	MP1A	Z	.301	.301	0	%100
33	MP2A	X	-.631	-.631	0	%100
34	MP2A	Z	.364	.364	0	%100
35	MP3A	X	-.521	-.521	0	%100
36	MP3A	Z	.301	.301	0	%100
37	MP4A	X	-.521	-.521	0	%100
38	MP4A	Z	.301	.301	0	%100
39	MP5A	X	-.521	-.521	0	%100
40	MP5A	Z	.301	.301	0	%100
41	M62	X	-.612	-.612	0	%100
42	M62	Z	.353	.353	0	%100
43	M63	X	0	0	0	%100
44	M63	Z	0	0	0	%100
45	M64	X	-.612	-.612	0	%100
46	M64	Z	.353	.353	0	%100
47	MP1C	X	-.521	-.521	0	%100
48	MP1C	Z	.301	.301	0	%100
49	MP2C	X	-.631	-.631	0	%100
50	MP2C	Z	.364	.364	0	%100
51	MP3C	X	-.521	-.521	0	%100
52	MP3C	Z	.301	.301	0	%100
53	MP4C	X	-.521	-.521	0	%100
54	MP4C	Z	.301	.301	0	%100
55	MP5C	X	-.521	-.521	0	%100
56	MP5C	Z	.301	.301	0	%100
57	MP1B	X	-.521	-.521	0	%100
58	MP1B	Z	.301	.301	0	%100
59	MP2B	X	-.631	-.631	0	%100
60	MP2B	Z	.364	.364	0	%100
61	MP3B	X	-.521	-.521	0	%100
62	MP3B	Z	.301	.301	0	%100
63	MP4B	X	-.521	-.521	0	%100
64	MP4B	Z	.301	.301	0	%100
65	MP5B	X	-.521	-.521	0	%100
66	MP5B	Z	.301	.301	0	%100
67	M65	X	-.158	-.158	0	%100
68	M65	Z	.091	.091	0	%100
69	M81A	X	-.631	-.631	0	%100
70	M81A	Z	.364	.364	0	%100
71	M82A	X	-.158	-.158	0	%100
72	M82A	Z	.091	.091	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
73	M89	X	-.719	-.719	0	%100
74	M89	Z	.415	.415	0	%100
75	M90	X	-.18	-.18	0	%100
76	M90	Z	.104	.104	0	%100
77	M91	X	-.18	-.18	0	%100
78	M91	Z	.104	.104	0	%100
79	M92	X	-.07	-.07	0	%100
80	M92	Z	.04	.04	0	%100
81	M93	X	-.78	-.78	0	%100
82	M93	Z	.45	.45	0	%100
83	M94	X	-.477	-.477	0	%100
84	M94	Z	.275	.275	0	%100
85	M95	X	-.477	-.477	0	%100
86	M95	Z	.275	.275	0	%100
87	M96	X	-.78	-.78	0	%100
88	M96	Z	.45	.45	0	%100
89	M97	X	-.07	-.07	0	%100
90	M97	Z	.04	.04	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.268	-.268	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.268	-.268	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.767	-.767	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-.95	-.95	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-1.076	-1.076	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-.95	-.95	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-.271	-.271	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-.192	-.192	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-.95	-.95	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-.271	-.271	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-.95	-.95	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-1.076	-1.076	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-.192	-.192	0	%100
30	M15	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
31	MP1A	X	-.602	-.602	0	%100
32	MP1A	Z	0	0	0	%100
33	MP2A	X	-.728	-.728	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	-.602	-.602	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	-.602	-.602	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	-.602	-.602	0	%100
40	MP5A	Z	0	0	0	%100
41	M62	X	-.942	-.942	0	%100
42	M62	Z	0	0	0	%100
43	M63	X	-.236	-.236	0	%100
44	M63	Z	0	0	0	%100
45	M64	X	-.236	-.236	0	%100
46	M64	Z	0	0	0	%100
47	MP1C	X	-.602	-.602	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	-.728	-.728	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	-.602	-.602	0	%100
52	MP3C	Z	0	0	0	%100
53	MP4C	X	-.602	-.602	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	-.602	-.602	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	-.602	-.602	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	-.728	-.728	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	-.602	-.602	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	-.602	-.602	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	-.602	-.602	0	%100
66	MP5B	Z	0	0	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M81A	X	-.546	-.546	0	%100
70	M81A	Z	0	0	0	%100
71	M82A	X	-.546	-.546	0	%100
72	M82A	Z	0	0	0	%100
73	M89	X	-.623	-.623	0	%100
74	M89	Z	0	0	0	%100
75	M90	X	-.623	-.623	0	%100
76	M90	Z	0	0	0	%100
77	M91	X	0	0	0	%100
78	M91	Z	0	0	0	%100
79	M92	X	-.471	-.471	0	%100
80	M92	Z	0	0	0	%100
81	M93	X	-.471	-.471	0	%100
82	M93	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
83	M94	X	-.121	-.121	0	%100
84	M94	Z	0	0	0	%100
85	M95	X	-.94	-.94	0	%100
86	M95	Z	0	0	0	%100
87	M96	X	-.94	-.94	0	%100
88	M96	Z	0	0	0	%100
89	M97	X	-.121	-.121	0	%100
90	M97	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-.274	-.274	0	%100
2	M1	Z	-.158	-.158	0	%100
3	M2	X	-3e-6	-3e-6	0	%100
4	M2	Z	-2e-6	-2e-6	0	%100
5	M3	X	-.274	-.274	0	%100
6	M3	Z	-.158	-.158	0	%100
7	M4	X	-.698	-.698	0	%100
8	M4	Z	-.403	-.403	0	%100
9	M5	X	-.498	-.498	0	%100
10	M5	Z	-.288	-.288	0	%100
11	M6	X	-.274	-.274	0	%100
12	M6	Z	-.158	-.158	0	%100
13	M7	X	-.698	-.698	0	%100
14	M7	Z	-.403	-.403	0	%100
15	M8	X	-.274	-.274	0	%100
16	M8	Z	-.158	-.158	0	%100
17	M9	X	-3e-6	-3e-6	0	%100
18	M9	Z	-2e-6	-2e-6	0	%100
19	M10	X	-.498	-.498	0	%100
20	M10	Z	-.288	-.288	0	%100
21	M11	X	-1.097	-1.097	0	%100
22	M11	Z	-.633	-.633	0	%100
23	M12	X	-.701	-.701	0	%100
24	M12	Z	-.404	-.404	0	%100
25	M13	X	-1.097	-1.097	0	%100
26	M13	Z	-.633	-.633	0	%100
27	M14	X	-.701	-.701	0	%100
28	M14	Z	-.404	-.404	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100
31	MP1A	X	-.521	-.521	0	%100
32	MP1A	Z	-.301	-.301	0	%100
33	MP2A	X	-.631	-.631	0	%100
34	MP2A	Z	-.364	-.364	0	%100
35	MP3A	X	-.521	-.521	0	%100
36	MP3A	Z	-.301	-.301	0	%100
37	MP4A	X	-.521	-.521	0	%100
38	MP4A	Z	-.301	-.301	0	%100
39	MP5A	X	-.521	-.521	0	%100
40	MP5A	Z	-.301	-.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
41	M62	X	-.612	-.612	0	%100
42	M62	Z	-.353	-.353	0	%100
43	M63	X	-.612	-.612	0	%100
44	M63	Z	-.353	-.353	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	0	0	0	%100
47	MP1C	X	-.521	-.521	0	%100
48	MP1C	Z	-.301	-.301	0	%100
49	MP2C	X	-.631	-.631	0	%100
50	MP2C	Z	-.364	-.364	0	%100
51	MP3C	X	-.521	-.521	0	%100
52	MP3C	Z	-.301	-.301	0	%100
53	MP4C	X	-.521	-.521	0	%100
54	MP4C	Z	-.301	-.301	0	%100
55	MP5C	X	-.521	-.521	0	%100
56	MP5C	Z	-.301	-.301	0	%100
57	MP1B	X	-.521	-.521	0	%100
58	MP1B	Z	-.301	-.301	0	%100
59	MP2B	X	-.631	-.631	0	%100
60	MP2B	Z	-.364	-.364	0	%100
61	MP3B	X	-.521	-.521	0	%100
62	MP3B	Z	-.301	-.301	0	%100
63	MP4B	X	-.521	-.521	0	%100
64	MP4B	Z	-.301	-.301	0	%100
65	MP5B	X	-.521	-.521	0	%100
66	MP5B	Z	-.301	-.301	0	%100
67	M65	X	-.158	-.158	0	%100
68	M65	Z	-.091	-.091	0	%100
69	M81A	X	-.158	-.158	0	%100
70	M81A	Z	-.091	-.091	0	%100
71	M82A	X	-.631	-.631	0	%100
72	M82A	Z	-.364	-.364	0	%100
73	M89	X	-.18	-.18	0	%100
74	M89	Z	-.104	-.104	0	%100
75	M90	X	-.719	-.719	0	%100
76	M90	Z	-.415	-.415	0	%100
77	M91	X	-.18	-.18	0	%100
78	M91	Z	-.104	-.104	0	%100
79	M92	X	-.78	-.78	0	%100
80	M92	Z	-.45	-.45	0	%100
81	M93	X	-.07	-.07	0	%100
82	M93	Z	-.04	-.04	0	%100
83	M94	X	-.07	-.07	0	%100
84	M94	Z	-.04	-.04	0	%100
85	M95	X	-.78	-.78	0	%100
86	M95	Z	-.45	-.45	0	%100
87	M96	X	-.477	-.477	0	%100
88	M96	Z	-.275	-.275	0	%100
89	M97	X	-.477	-.477	0	%100
90	M97	Z	-.275	-.275	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-.475	-.475	0	%100
2	M1	Z	-.823	-.823	0	%100
3	M2	X	-.135	-.135	0	%100
4	M2	Z	-.234	-.234	0	%100
5	M3	X	-.475	-.475	0	%100
6	M3	Z	-.823	-.823	0	%100
7	M4	X	-.538	-.538	0	%100
8	M4	Z	-.932	-.932	0	%100
9	M5	X	-.096	-.096	0	%100
10	M5	Z	-.166	-.166	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-.134	-.134	0	%100
14	M7	Z	-.232	-.232	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-.134	-.134	0	%100
18	M9	Z	-.232	-.232	0	%100
19	M10	X	-.384	-.384	0	%100
20	M10	Z	-.664	-.664	0	%100
21	M11	X	-.475	-.475	0	%100
22	M11	Z	-.823	-.823	0	%100
23	M12	X	-.538	-.538	0	%100
24	M12	Z	-.932	-.932	0	%100
25	M13	X	-.475	-.475	0	%100
26	M13	Z	-.823	-.823	0	%100
27	M14	X	-.135	-.135	0	%100
28	M14	Z	-.234	-.234	0	%100
29	M15	X	-.096	-.096	0	%100
30	M15	Z	-.166	-.166	0	%100
31	MP1A	X	-.301	-.301	0	%100
32	MP1A	Z	-.521	-.521	0	%100
33	MP2A	X	-.364	-.364	0	%100
34	MP2A	Z	-.631	-.631	0	%100
35	MP3A	X	-.301	-.301	0	%100
36	MP3A	Z	-.521	-.521	0	%100
37	MP4A	X	-.301	-.301	0	%100
38	MP4A	Z	-.521	-.521	0	%100
39	MP5A	X	-.301	-.301	0	%100
40	MP5A	Z	-.521	-.521	0	%100
41	M62	X	-.118	-.118	0	%100
42	M62	Z	-.204	-.204	0	%100
43	M63	X	-.471	-.471	0	%100
44	M63	Z	-.816	-.816	0	%100
45	M64	X	-.118	-.118	0	%100
46	M64	Z	-.204	-.204	0	%100
47	MP1C	X	-.301	-.301	0	%100
48	MP1C	Z	-.521	-.521	0	%100
49	MP2C	X	-.364	-.364	0	%100
50	MP2C	Z	-.631	-.631	0	%100
51	MP3C	X	-.301	-.301	0	%100
52	MP3C	Z	-.521	-.521	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
53	MP4C	X	-.301	-.301	0	%100
54	MP4C	Z	-.521	-.521	0	%100
55	MP5C	X	-.301	-.301	0	%100
56	MP5C	Z	-.521	-.521	0	%100
57	MP1B	X	-.301	-.301	0	%100
58	MP1B	Z	-.521	-.521	0	%100
59	MP2B	X	-.364	-.364	0	%100
60	MP2B	Z	-.631	-.631	0	%100
61	MP3B	X	-.301	-.301	0	%100
62	MP3B	Z	-.521	-.521	0	%100
63	MP4B	X	-.301	-.301	0	%100
64	MP4B	Z	-.521	-.521	0	%100
65	MP5B	X	-.301	-.301	0	%100
66	MP5B	Z	-.521	-.521	0	%100
67	M65	X	-.273	-.273	0	%100
68	M65	Z	-.473	-.473	0	%100
69	M81A	X	0	0	0	%100
70	M81A	Z	0	0	0	%100
71	M82A	X	-.273	-.273	0	%100
72	M82A	Z	-.473	-.473	0	%100
73	M89	X	0	0	0	%100
74	M89	Z	0	0	0	%100
75	M90	X	-.311	-.311	0	%100
76	M90	Z	-.539	-.539	0	%100
77	M91	X	-.311	-.311	0	%100
78	M91	Z	-.539	-.539	0	%100
79	M92	X	-.47	-.47	0	%100
80	M92	Z	-.814	-.814	0	%100
81	M93	X	-.06	-.06	0	%100
82	M93	Z	-.105	-.105	0	%100
83	M94	X	-.235	-.235	0	%100
84	M94	Z	-.408	-.408	0	%100
85	M95	X	-.235	-.235	0	%100
86	M95	Z	-.408	-.408	0	%100
87	M96	X	-.06	-.06	0	%100
88	M96	Z	-.105	-.105	0	%100
89	M97	X	-.47	-.47	0	%100
90	M97	Z	-.814	-.814	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	Y	-.109	-3.168	0	24.317
2	M1	Y	-3.168	-5.097	24.317	48.634
3	M1	Y	-5.097	-4.736	48.634	72.951
4	M1	Y	-4.736	-4.736	72.951	97.269
5	M1	Y	-4.736	-5.097	97.269	121.586
6	M1	Y	-5.097	-3.168	121.586	145.903
7	M1	Y	-3.168	-.109	145.903	170.22
8	M2	Y	-.534	-2.517	0	24
9	M2	Y	-2.517	-4.5	24	48
10	M3	Y	-5.262	-5.262	.076	86.924

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
11	M4	Y	-4.5	-2.517	0	24
12	M4	Y	-2.517	-.534	24	48
13	M6	Y	-.109	-3.168	0	24.317
14	M6	Y	-3.168	-5.097	24.317	48.634
15	M6	Y	-5.097	-4.736	48.634	72.951
16	M6	Y	-4.736	-4.736	72.951	97.269
17	M6	Y	-4.736	-5.097	97.269	121.586
18	M6	Y	-5.097	-3.168	121.586	145.903
19	M6	Y	-3.168	-.109	145.903	170.22
20	M7	Y	-.534	-2.517	0	24
21	M7	Y	-2.517	-4.5	24	48
22	M8	Y	-5.262	-5.262	.076	86.924
23	M9	Y	-4.5	-2.517	0	24
24	M9	Y	-2.517	-.534	24	48
25	M11	Y	-.109	-3.168	0	24.317
26	M11	Y	-3.168	-5.097	24.317	48.634
27	M11	Y	-5.097	-4.736	48.634	72.951
28	M11	Y	-4.736	-4.736	72.951	97.269
29	M11	Y	-4.736	-5.097	97.269	121.586
30	M11	Y	-5.097	-3.168	121.586	145.903
31	M11	Y	-3.168	-.109	145.903	170.22
32	M12	Y	-.534	-2.517	0	24
33	M12	Y	-2.517	-4.5	24	48
34	M13	Y	-5.262	-5.262	.076	86.924
35	M14	Y	-4.5	-2.517	0	24
36	M14	Y	-2.517	-.534	24	48

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	Y	-.263	-7.66	0	24.317
2	M1	Y	-7.66	-12.324	24.317	48.634
3	M1	Y	-12.324	-11.452	48.634	72.951
4	M1	Y	-11.452	-11.452	72.951	97.269
5	M1	Y	-11.452	-12.324	97.269	121.586
6	M1	Y	-12.324	-7.66	121.586	145.903
7	M1	Y	-7.66	-.263	145.903	170.22
8	M2	Y	-1.292	-6.086	0	24
9	M2	Y	-6.086	-10.881	24	48
10	M3	Y	-12.724	-12.724	.076	86.924
11	M4	Y	-10.881	-6.086	0	24
12	M4	Y	-6.086	-1.292	24	48
13	M6	Y	-.263	-7.66	0	24.317
14	M6	Y	-7.66	-12.324	24.317	48.634
15	M6	Y	-12.324	-11.452	48.634	72.951
16	M6	Y	-11.452	-11.452	72.951	97.269
17	M6	Y	-11.452	-12.324	97.269	121.586
18	M6	Y	-12.324	-7.66	121.586	145.903
19	M6	Y	-7.66	-.263	145.903	170.22
20	M7	Y	-1.292	-6.086	0	24
21	M7	Y	-6.086	-10.881	24	48
22	M8	Y	-12.724	-12.724	.076	86.924

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
23	M9	Y	-10.881	-6.086	0	24
24	M9	Y	-6.086	-1.292	24	48
25	M11	Y	-.263	-7.66	0	24.317
26	M11	Y	-7.66	-12.324	24.317	48.634
27	M11	Y	-12.324	-11.452	48.634	72.951
28	M11	Y	-11.452	-11.452	72.951	97.269
29	M11	Y	-11.452	-12.324	97.269	121.586
30	M11	Y	-12.324	-7.66	121.586	145.903
31	M11	Y	-7.66	-.263	145.903	170.22
32	M12	Y	-1.292	-6.086	0	24
33	M12	Y	-6.086	-10.881	24	48
34	M13	Y	-12.724	-12.724	.076	86.924
35	M14	Y	-10.881	-6.086	0	24
36	M14	Y	-6.086	-1.292	24	48

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	Y	Two Way	-.005
2	N11	N14	N13	N10	Y	Two Way	-.005
3	N19	N22	N21	N18	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	Y	Two Way	-.013
2	N11	N14	N13	N10	Y	Two Way	-.013
3	N19	N22	N21	N18	Y	Two Way	-.013

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	N7	max	1153.432	11	2806.338	19	190.239	1	-1.207	1	.859	11	.667	28
2		min	-1173.695	5	518.145	1	-252.725	7	-6.998	19	-.899	5	-.69	46
3	N23	max	614.733	9	2813.306	23	935.483	12	3.552	24	.87	12	-1.006	4
4		min	-545.203	3	500.168	5	-926.348	6	.302	6	-.914	6	-6.096	22
5	N15	max	563.076	10	2813.849	15	989.493	1	3.603	14	.771	8	6.067	16
6		min	-608.701	4	526.986	9	-942.317	7	.402	8	-.809	2	1.022	9
7	N143A	max	1019.835	11	443.46	12	1537.993	1	.001	18	0	28	0	28
8		min	-968.664	5	-229.235	6	-916.444	7	0	12	0	46	0	46
9	N148	max	1191.141	9	444.824	9	1084.901	2	0	11	0	12	0	6
10		min	-678.129	3	-231.309	3	-1439.58	8	0	29	0	6	-.001	24
11	N152	max	1129.897	10	463.331	5	645.934	1	0	2	0	43	.001	13
12		min	-1697.33	4	-248.934	11	-908.36	7	0	44	0	1	0	7
13	Totals:	max	5161.637	10	9020.401	22	5175.693	1						
14		min	-5161.639	4	3142.778	4	-5175.698	7						

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

	Member	Shape	Code C...	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	L3X3X4	.779	85.11	18	.473	85.11	z	24	3842.32	46656	1.688	2.823	1....	H2-1
2	M2	L3X3X4	.146	0	30	.020	48	z	30	32732.753	46656	1.688	3.756	2....	H2-1
3	M3	L3X3X4	.541	43.5	18	.021	43.5	z	16	14708.743	46656	1.688	3.141	1....	H2-1
4	M4	L3X3X4	.137	48	42	.018	0	z	42	32732.753	46656	1.688	3.756	2....	H2-1
5	M5	HSS4X4X3	.575	0	18	.115	0	y	29	106451.4...	106812	12.662	12.662	1....	H1-1b
6	M6	L3X3X4	.763	85.11	15	.469	85.11	z	20	3842.32	46656	1.688	2.832	1....	H2-1
7	M7	L3X3X4	.140	0	14	.017	48	z	14	32732.753	46656	1.688	3.754	1....	H2-1
8	M8	L3X3X4	.542	43.5	14	.021	43.5	z	24	14708.743	46656	1.688	3.14	1....	H2-1
9	M9	L3X3X4	.129	48	14	.017	0	z	30	32732.753	46656	1.688	3.752	1....	H2-1
10	M10	HSS4X4X3	.575	0	14	.110	0	y	13	106451.4...	106812	12.662	12.662	1....	H1-1b
11	M11	L3X3X4	.767	85.11	22	.471	85.11	z	16	3842.32	46656	1.688	2.831	1....	H2-1
12	M12	L3X3X4	.140	0	23	.017	48	z	22	32732.753	46656	1.688	3.756	1....	H2-1
13	M13	L3X3X4	.541	43.5	22	.021	43.5	z	20	14708.743	46656	1.688	3.14	1....	H2-1
14	M14	L3X3X4	.129	48	22	.016	0	z	14	32732.753	46656	1.688	3.752	1....	H2-1
15	M15	HSS4X4X3	.575	0	22	.108	0	y	21	106451.4...	106812	12.662	12.662	1....	H1-1b
16	MP1A	PIPE_2.0	.301	42	19	.070	42		24	20866.733	32130	1.872	1.872	2....	H1-1b
17	MP2A	PIPE_2.5	.307	33	17	.116	69		24	30038.461	50715	3.596	3.596	2....	H1-1b
18	MP3A	PIPE_2.0	.237	6	15	.047	6		4	20866.733	32130	1.872	1.872	2....	H1-1b
19	MP4A	PIPE_2.0	.323	33	18	.108	69		14	14916.096	32130	1.872	1.872	2....	H1-1b
20	MP5A	PIPE_2.0	.411	42	18	.076	17.25		14	20866.733	32130	1.872	1.872	2....	H1-1b
21	M62	HSS4.5X4.5X3	.276	0	18	.074	0	y	29	119793.6...	121302	16.25	16.25	1....	H1-1b
22	M63	HSS4.5X4.5X3	.276	0	14	.070	0	y	13	119793.7...	121302	16.25	16.25	1....	H1-1b
23	M64	HSS4.5X4.5X3	.275	0	22	.069	0	y	21	119793.7...	121302	16.25	16.25	1....	H1-1b
24	MP1C	PIPE_2.0	.301	42	24	.069	11.25		19	20866.733	32130	1.872	1.872	2....	H1-1b
25	MP2C	PIPE_2.5	.307	33	13	.114	69		21	30038.461	50715	3.596	3.596	2....	H1-1b
26	MP3C	PIPE_2.0	.236	6	23	.048	6		12	20866.733	32130	1.872	1.872	1....	H1-1b
27	MP4C	PIPE_2.0	.325	33	17	.107	69		22	14916.096	32130	1.872	1.872	2....	H1-1b
28	MP5C	PIPE_2.0	.416	42	17	.077	17.25		22	20866.733	32130	1.872	1.872	2....	H1-1b
29	MP1B	PIPE_2.0	.372	42	47	.070	11.25		15	20866.733	32130	1.872	1.872	2....	H1-1b
30	MP2B	PIPE_2.5	.301	33	21	.114	53		15	30038.461	50715	3.596	3.596	2....	H1-1b
31	MP3B	PIPE_2.0	.235	6	19	.046	6		8	20866.733	32130	1.872	1.872	1....	H1-1b
32	MP4B	PIPE_2.0	.323	33	13	.107	69		18	14916.096	32130	1.872	1.872	2....	H1-1b
33	MP5B	PIPE_2.0	.419	42	22	.078	17.25		18	20866.733	32130	1.872	1.872	2.2	H1-1b
34	M65	PIPE_2.5	.465	81.667	19	.103	118.3...		1	12795.832	50715	3.596	3.596	1....	H1-1b
35	M81A	PIPE_2.5	.466	81.667	15	.106	118.3...		9	12795.832	50715	3.596	3.596	1....	H1-1b
36	M82A	PIPE_2.5	.466	81.667	23	.111	118.3...		5	12795.832	50715	3.596	3.596	1....	H1-1b
37	M89	L3X3X4	.444	0	14	.026	0	y	42	45065.372	46656	1.688	3.756	1....	H2-1
38	M90	L3X3X4	.441	0	22	.024	0	y	31	45065.372	46656	1.688	3.756	1....	H2-1
39	M91	L3X3X4	.441	0	18	.023	0	y	4	45065.372	46656	1.688	3.756	1....	H2-1
40	M92	L2.5x2.5x3	.095	26.287	14	.011	52.574	y	22	15604.703	29192.4	.873	1.675	1....	H2-1
41	M93	L2.5x2.5x3	.116	25.74	12	.011	0	z	16	15604.703	29192.4	.873	1.675	1....	H2-1
42	M94	L2.5x2.5x3	.095	26.287	22	.011	0	y	18	15604.703	29192.4	.873	1.675	1....	H2-1
43	M95	L2.5x2.5x3	.114	25.74	8	.011	0	z	24	15604.703	29192.4	.873	1.675	1....	H2-1
44	M96	L2.5x2.5x3	.095	26.287	18	.011	0	y	13	15604.703	29192.4	.873	1.675	1....	H2-1
45	M97	L2.5x2.5x3	.114	25.74	4	.011	52.574	z	20	15604.703	29192.4	.873	1.675	1....	H2-1

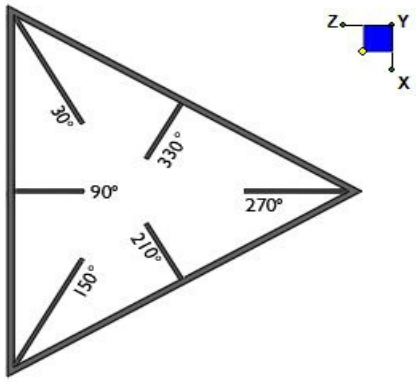
Client:	Verizon	Date:	5/4/2021
Site Name:	Buckland CT		
Project No.	21777063A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

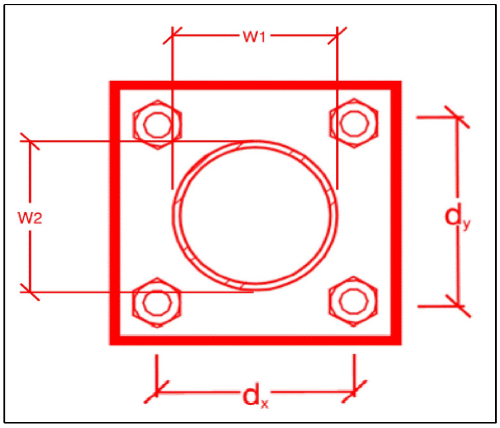
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N7	90
N23	330
N15	210



TYPICAL PLATFORM

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
W1 (in):	4
W2 (in):	4
Weld Size (1/16 in):	4
Phi*Rn (kip/in):	5.57
Required Weld Strength (kip/in):	3.96
Plate Bending Capacity:	**#N/A**
Weld Capacity:	**71.2%**



Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

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

Photo Requirements:

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

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

Material Certification:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor to remove those OVP pipes on the grating support and to relocate existing OVP6 to back of mount pipe as shown in MA placement diagram.

Response:

Schedule A – Photo & Document File Structure

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

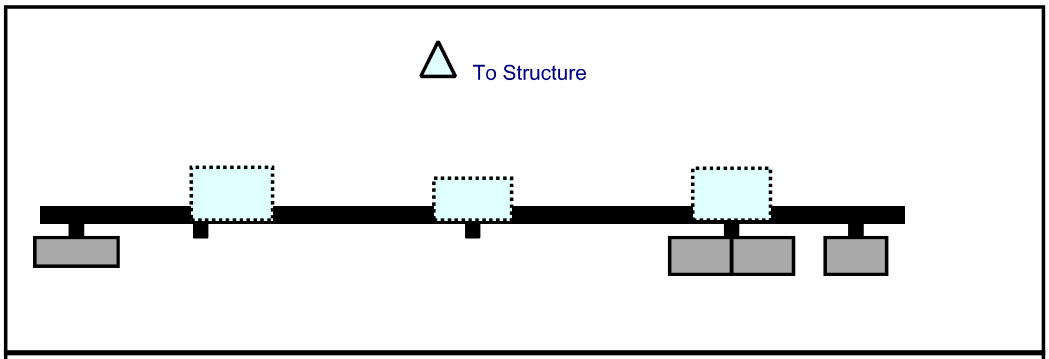
Structure: 468759-VZW - BUCKLAND CT

Sector: **A** 5/4/2021

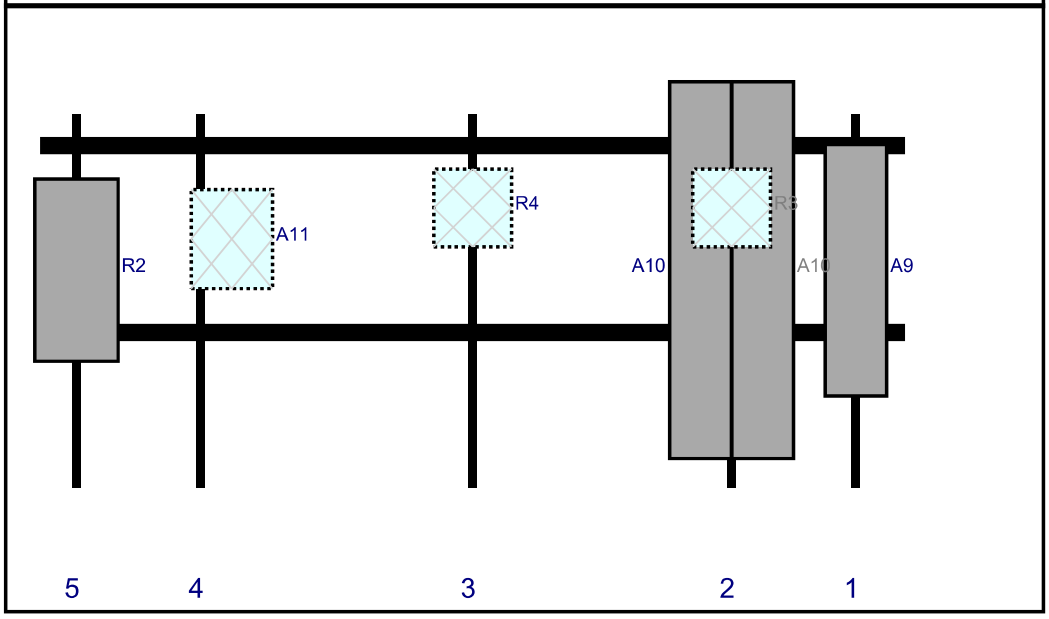
Structure Type: Monopole

Mount Elev: 111.50 Page: 1

Plan View



Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A9	LNX-6512DS	48.5	11.9	157.5	1	a	Front	30	0	Retained	02/18/2021
A10	SBNHH-1D65B	72.6	11.9	133.5	2	a	Front	30	6	Retained	02/18/2021
A10	SBNHH-1D65B	72.6	11.9	133.5	2	b	Front	30	-6	Retained	02/18/2021
R3	B2-B66A RRH-BRO49	15	15	133.5	2	a	Behind	18	0	Added	
R4	B5/B13 RRH-BRO4C	15	15	83.5	3	a	Behind	18	0	Added	
A11	RRFDC-3315-PF-48	19.1	15.7	31	4	a	Behind	24	6	Retained	02/18/2021
R2	MT6407-77A	35.1	16.1	7	5	a	Front	30	0	Added	

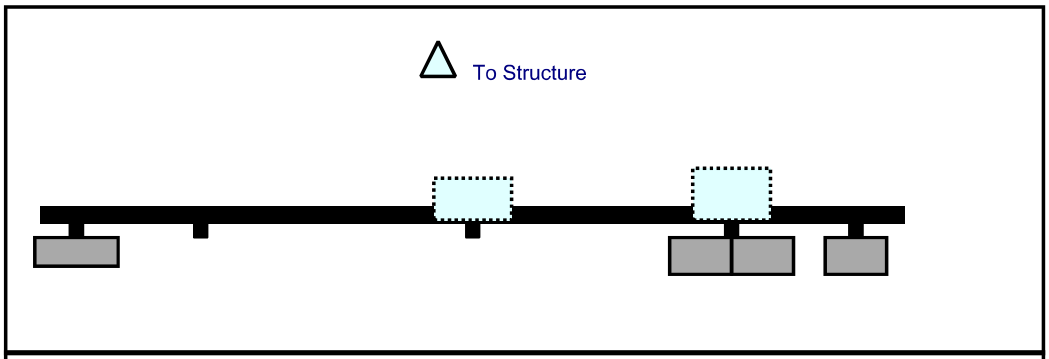
Structure: 468759-VZW - BUCKLAND CT

Sector: **B** 5/4/2021

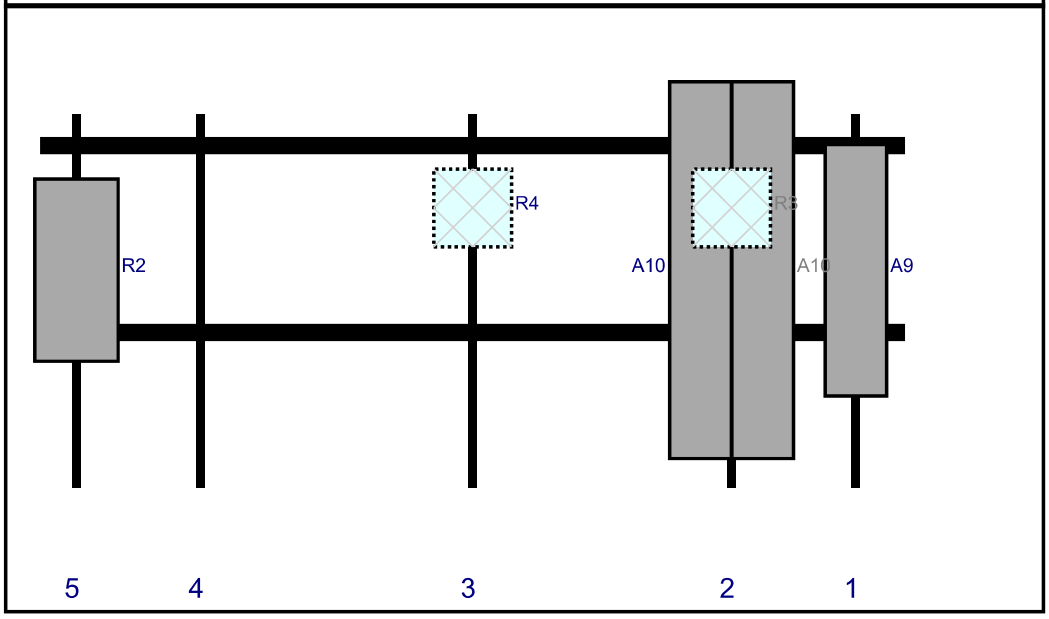
Structure Type: Monopole

Mount Elev: 111.50 Page: 2

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
A9	LNX-6512DS	48.5	11.9	157.5	1	a	Front	30	0	Retained	02/18/2021
A10	SBNHH-1D65B	72.6	11.9	133.5	2	a	Front	30	6	Retained	02/18/2021
A10	SBNHH-1D65B	72.6	11.9	133.5	2	b	Front	30	-6	Retained	02/18/2021
R3	B2-B66A RRH-BRO49	15	15	133.5	2	a	Behind	18	0	Added	
R4	B5/B13 RRH-BRO4C	15	15	83.5	3	a	Behind	18	0	Added	
R2	MT6407-77A	35.1	16.1	7	5	a	Front	30	0	Added	

Structure: 468759-VZW - BUCKLAND CT

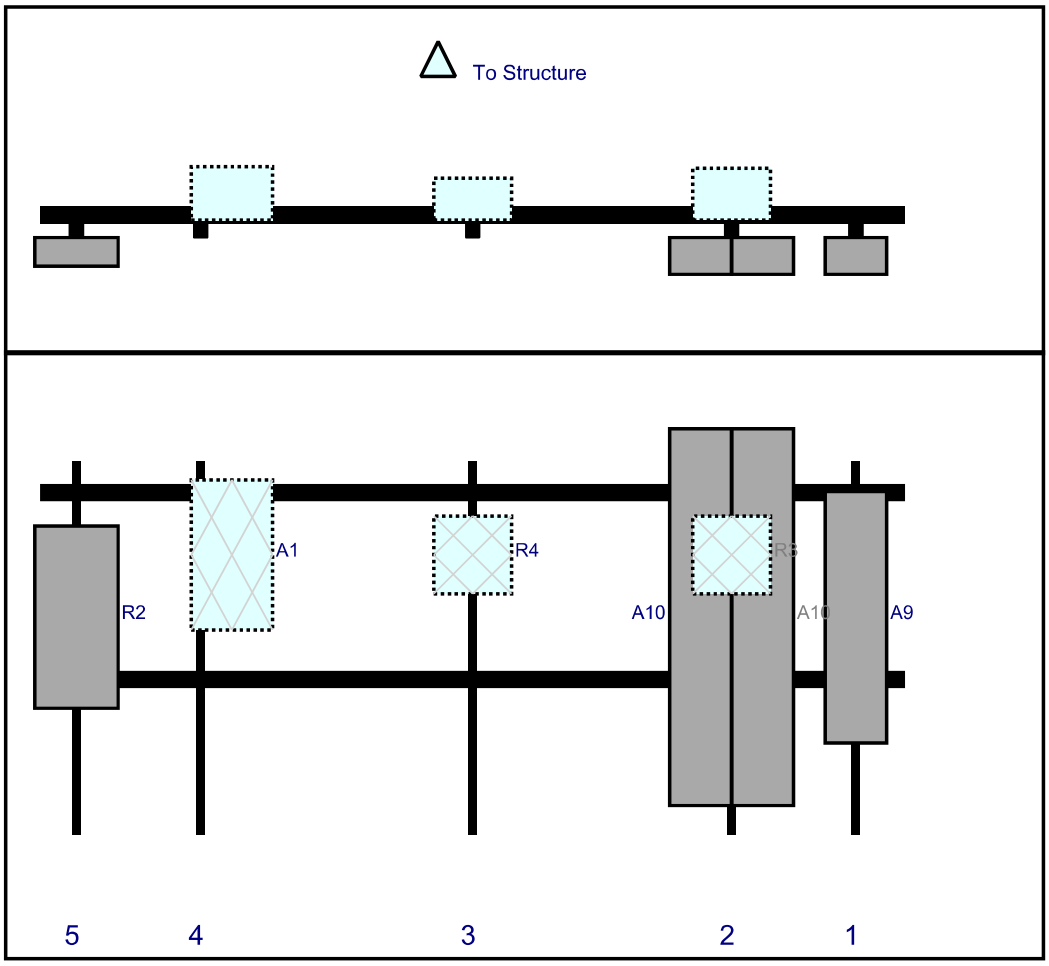
Sector: **C** 5/4/2021

Structure Type: Monopole

Mount Elev: 111.50 Page: 3

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
A9	LNX-6512DS	48.5	11.9	157.5	1	a	Front	30	0	Retained	02/18/2021
A10	SBNHH-1D65B	72.6	11.9	133.5	2	a	Front	30	6	Retained	02/18/2021
A10	SBNHH-1D65B	72.6	11.9	133.5	2	b	Front	30	-6	Retained	02/18/2021
R3	B2-B66A RRH-BRO49	15	15	133.5	2	a	Behind	18	0	Added	
R4	B5/B13 RRH-BRO4C	15	15	83.5	3	a	Behind	18	0	Added	
A1	RVZDC-6627-PF-48	28.9	15.7	31	4	a	Behind	18	6	Added	
R2	MT6407-77A	35.1	16.1	7	5	a	Front	30	0	Added	

Maser Consulting Connecticut

Subject	TIA-222-H Usage
Site Information	Site ID: 468759-VZW / BUCKLAND CT Site Name: BUCKLAND CT Carrier Name: Verizon Wireless Address: *53 Slater Rd* *Manchester, Connecticut 06040* *Hartford County* Latitude: 41.805056° Longitude: -72.533500°
Structure Information	Tower Type: Monopole Mount Type: 14.08-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 2018 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

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

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

Sincerely,

Taqi Khawaja, PE
Technical Manager

Exhibit F

Power Density/RF Emissions Report

Site Name: ***BUCKLAND CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	697	2787	113	0.0078	0.5007	1.57%
VZW CDMA	877.26	2	444	887	113	0.0025	0.5848	0.43%
VZW Cellular	874	4	697	2787	113	0.0078	0.5827	1.35%
VZW PCS	1975	4	1208	4832	113	0.0136	1.0000	1.36%
VZW AWS	2120	2	2365	4731	113	0.0133	1.0000	1.33%
VZW CBAND	3730.005	4	6531	26125	113	0.0736	1.0000	7.36%
Total Percentage of Maximum Permissible Exposure								13.39%

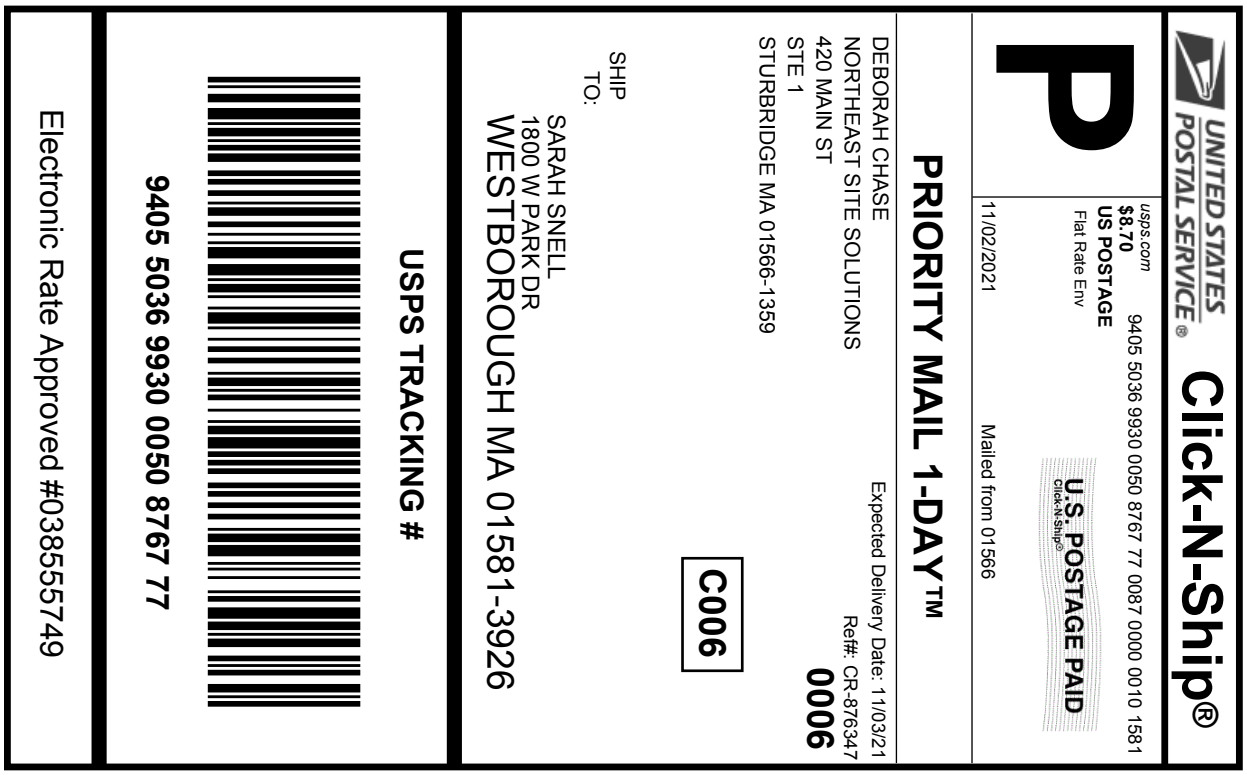
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification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

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

Absolute worst case maximum values used.

Exhibit G

Recipient Mailings



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Instructions

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Trans. #:	547438229
Print Date:	11/02/2021
Ship Date:	11/02/2021
Expected Delivery Date:	11/03/2021

Priority Mail® Postage:	**$8.70**
Total:	**$8.70**

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

Ref#: CR-876347

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

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

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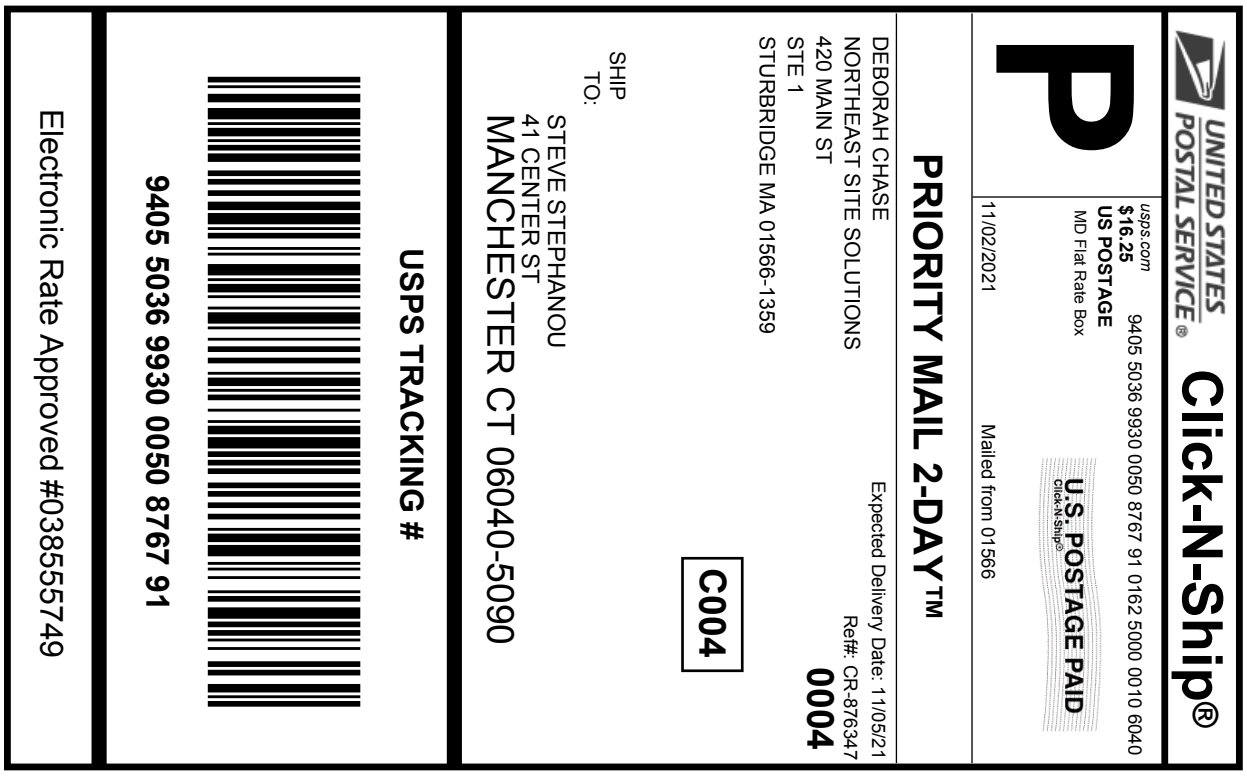

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Trans. #:	547438229
Print Date:	11/02/2021
Ship Date:	11/02/2021
Expected Delivery Date:	11/05/2021

Priority Mail® Postage:	**$16.25**
Total:	**$16.25**

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

Ref#: CR-876347

To: STEVE STEPHANOU
41 CENTER ST
MANCHESTER CT 06040-5090

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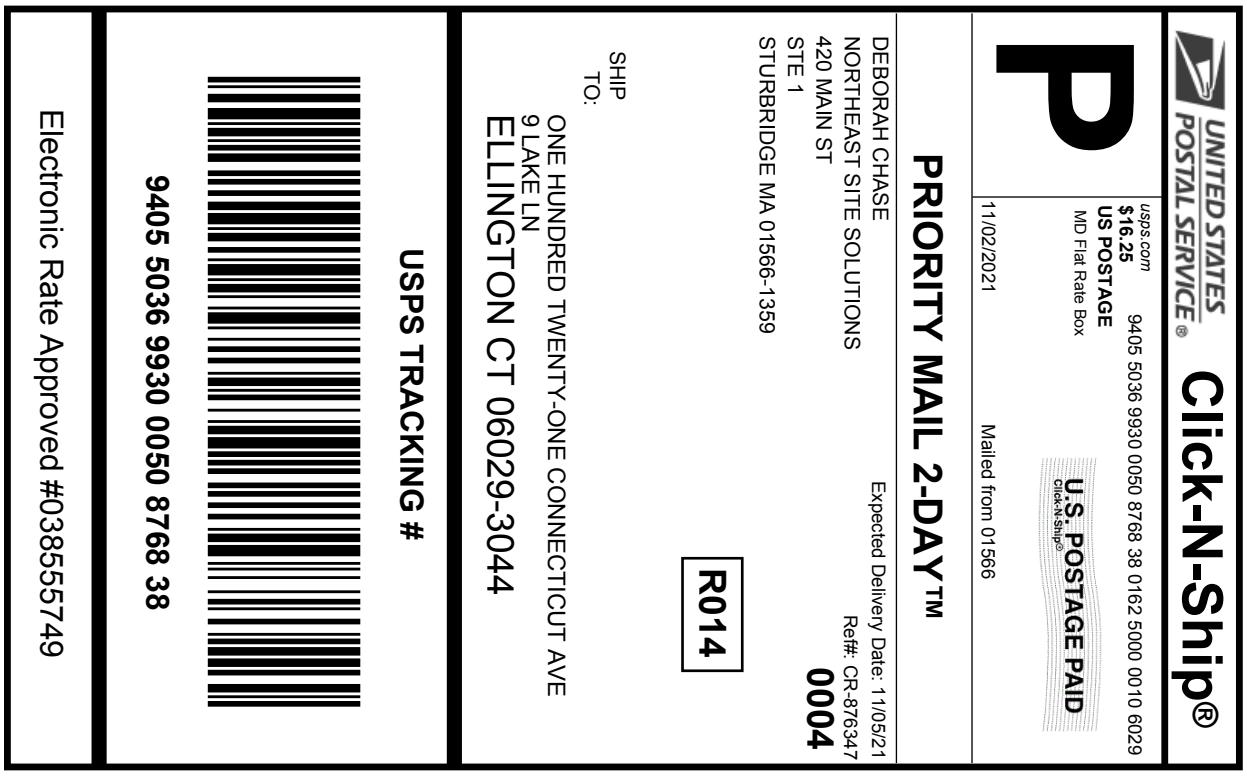

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Click-N-Ship® Label Record

USPS TRACKING # :
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Trans. #:	547438229
Print Date:	11/02/2021
Ship Date:	11/02/2021
Expected Delivery Date:	11/05/2021

Priority Mail® Postage:	**$16.25**
Total:	**$16.25**

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

Ref#: CR-876347

To: ONE HUNDRED TWENTY-ONE CONNECTICUT AVE
ASSOC LLC
9 LAKE LN
ELLINGTON CT 06029-3044

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

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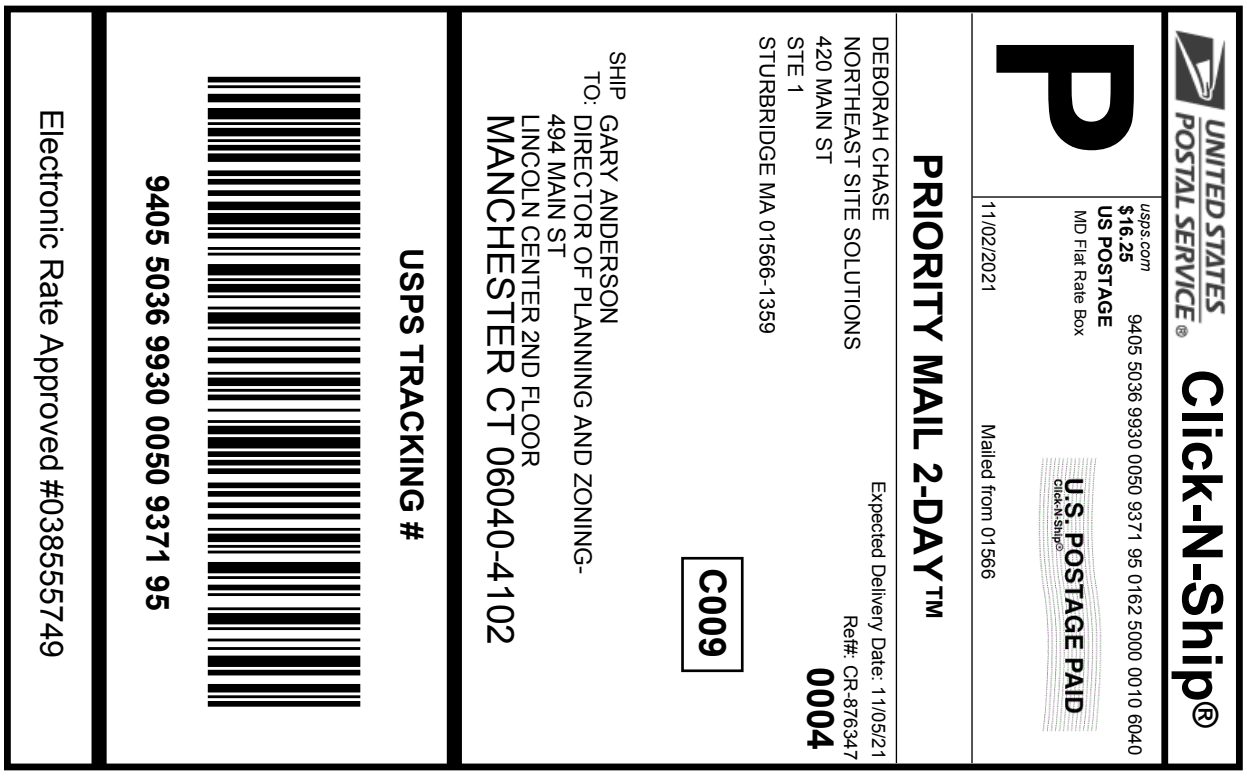

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USPS TRACKING # :
9405 5036 9930 0050 9371 95

Trans. #:	547443390
Print Date:	11/02/2021
Ship Date:	11/02/2021
Expected Delivery Date:	11/05/2021

Priority Mail® Postage:	**$16.25**
Total:	**$16.25**

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

Ref#: CR-876347

To: GARY ANDERSON
DIRECTOR OF PLANNING AND ZONING-MANCHESTER
494 MAIN ST
LINCOLN CENTER 2ND FLOOR
MANCHESTER CT 06040-4102

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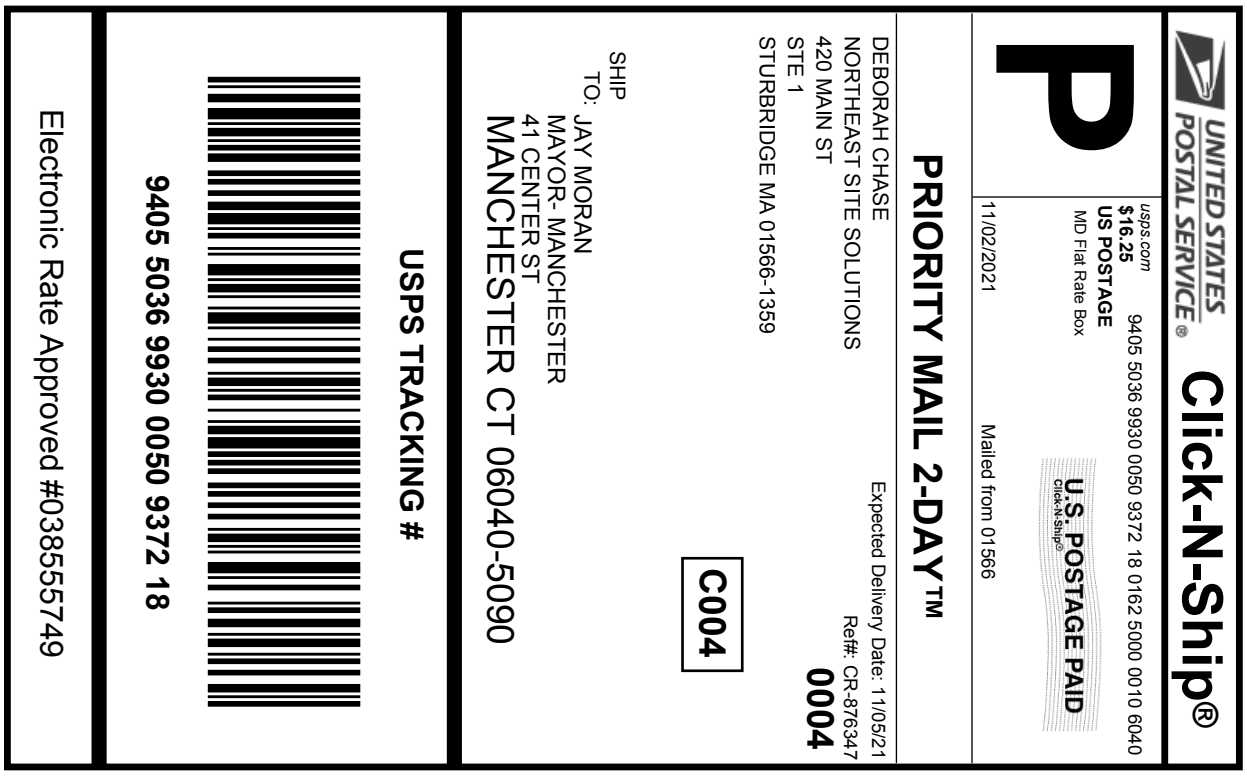

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Ship Date:	11/02/2021
Expected Delivery Date:	11/05/2021

Priority Mail® Postage:	**$16.25**
Total:	**$16.25**

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

Ref#: CR-876347

To: JAY MORAN
MAYOR- MANCHESTER
41 CENTER ST
MANCHESTER CT 06040-5090

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

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UNITED STATES POSTAL SERVICE.

GREENDALE
290 W BOYLSTON ST
WORCESTER, MA 01606-2378
(800)275-8777

01/14/2022 03:29 PM

Product	Qty	Unit Price	Price
Prepaid Mail Manchester, CT 06040 Weight: 0 lb 11.10 oz Acceptance Date: Fri 01/14/2022 Tracking #: 9405 5036 9930 0050 8767 91	1		$0.00
Prepaid Mail Ellington, CT 06029 Weight: 0 lb 11.20 oz Acceptance Date: Fri 01/14/2022 Tracking #: 9405 5036 9930 0050 8768 38	1		$0.00
Prepaid Mail Manchester, CT 06040 Weight: 0 lb 11.10 oz Acceptance Date: Fri 01/14/2022 Tracking #: 9405 5036 9930 0050 9371 95	1		$0.00
Prepaid Mail Westborough, MA 01581 Weight: 0 lb 2.00 oz Acceptance Date: Fri 01/14/2022 Tracking #: 9405 5036 9930 0050 8767 77	1		$0.00
Prepaid Mail Manchester, CT 06040 Weight: 0 lb 11.20 oz Acceptance Date: Fri 01/14/2022 Tracking #: 9405 5036 9930 0050 9372 18	1		$0.00