John Coleman, Project Manager
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (240) 615 -7389
JColeman@clinellc.com

October 20, 2021

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

RE: Notice of Exempt Modification // Site: MIDDLEFIELD CT (ATC: 411260)
484 MERIDEN ROAD, MIDDLEFIELD, CT 06281
N 41.535514 // W -72.732094

Dear Ms. Bachman,

Cellco Partnership d/b/a Verizon Wireless currently maintains Twelve (12) antenna at the 150-ft level on the existing 150ft Monopole tower, located at 484 Meriden Road, Middlefield, CT. The tower is owned by American Tower. The property is also owned by the Land Management Inc. The Council approved Verizon Wireless use of the existing tower in July 2002. Verizon Wireless now intends to install three (3) new antenna for the LTE (3700 MHz) replacements for its 5G upgrade; altogether updating leased equipment rights, as reflected by the final configuration outlined in the structural analysis and proposed hereby).

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Edward P. Bailey, First Selectman, its Building Official, Jerry Russ, American Tower, the tower owner, and the property owner, Land Management Inc.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2). Enclosed to accommodate this filing are construction drawings dated October 11, 2021, by NB&C Engineering Services, LLC, a structural analysis dated July 28, 2021, by Tower Engineering Professionals, and a structural mount analysis by Maser Consulting Conneticut dated August 23, 2021, and radio frequency (RF) analysis table showing worst-case RF emission calculation by Verizon Wireless RF Design Engineering.

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

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

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

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

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

6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis by Tower Engineering Professionals, dated July 28, 2021, and a structural mount analysis by Maser Consulting Conneticut, dated August 23, 2021, pursuant to certain conditions defined therein. Design and engineering are fully illustrated within final construction drawings, signed and stamped dated October 8, 2021.

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

Sincerely,

John Coleman

John Coleman, Project Manager
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (240) 615 -7389
JColeman@clinellc.com

Attachments
cc: Edward P. Bailey – First Selectman – Chief Elected Official
Jerry Russ, Building Official - as P&Z official
American Tower Corporation - as tower owner
Land Management Inc. – as ground owner

UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.

2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. **GETTING YOUR SHIPMENT TO UPS**
   Customers with a Daily Pickup
   Your driver will pickup your shipment(s) as usual.

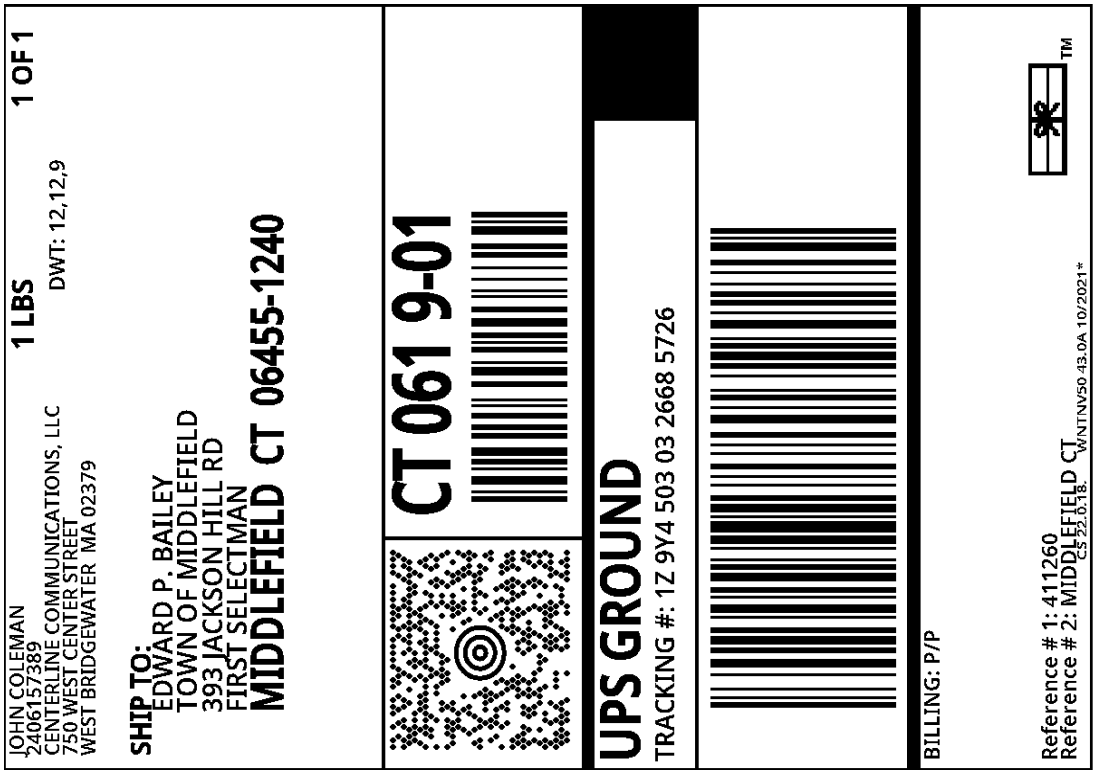
   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.
   Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
   Hand the package to any UPS driver in your area.

UPS Access Point™
CVS STORE # 972
555 WASHINGTON ST
SOUTH EASTON ,MA 02375

UPS Access Point™
CVS STORE # 7232
689 DEPOT ST
NORTH EASTON ,MA 02356

UPS Access Point™
TOWN LINE GENERAL STORE
450 E CENTER ST
WEST BRIDGEWATER ,MA 02379

FOLD HERE



From: UPS
To: John Coleman
Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030326685726
Date: Monday, October 25, 2021 9:57:21 AM

Hello, your package has been delivered.

Delivery Date: Monday, 10/25/2021
Delivery Time: 9:55 AM
Left At: OFFICE
Signed by: RAND

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030326685726
Ship To:	TOWN OF MIDDLEFIELD FIRST SELECTMAN 393 JACKSON HILL RD MIDDLEFIELD, CT 064551240 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	411260
Reference Number:	MIDDLEFIELD CT

Download the UPS mobile app

UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.

2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. **GETTING YOUR SHIPMENT TO UPS**
   Customers with a Daily Pickup
   Your driver will pickup your shipment(s) as usual.

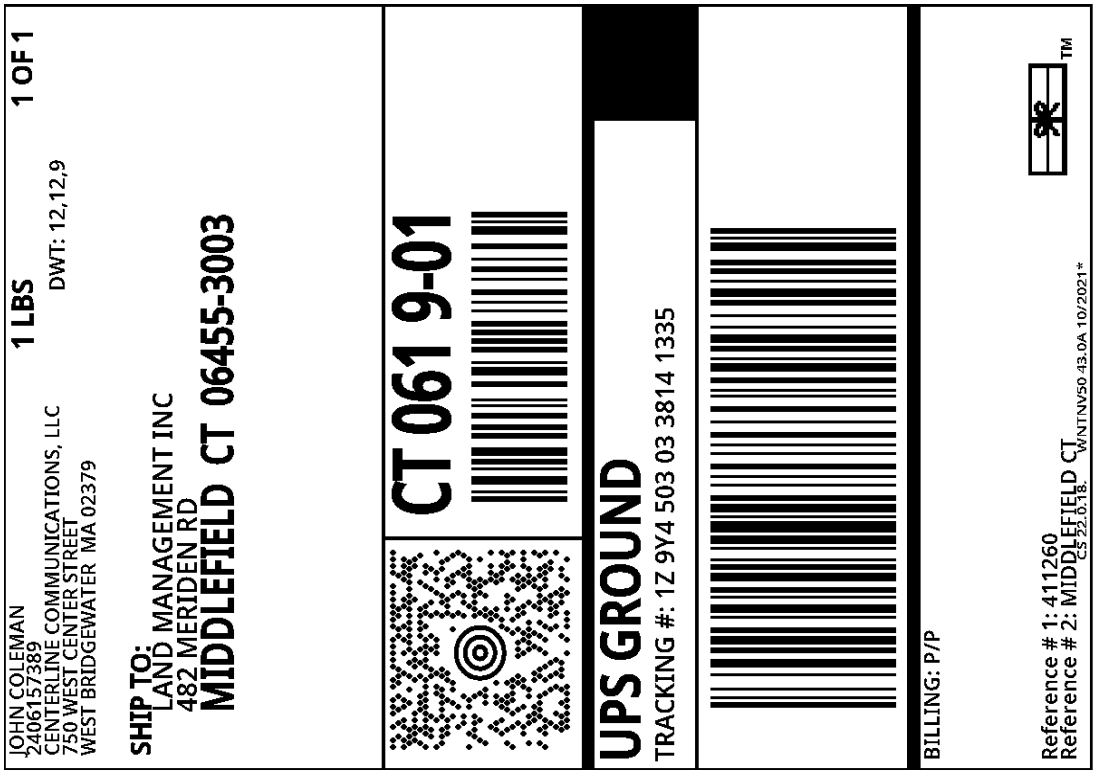
   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.
   Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
   Hand the package to any UPS driver in your area.

UPS Access Point™
CVS STORE # 972
555 WASHINGTON ST
SOUTH EASTON ,MA 02375

UPS Access Point™
CVS STORE # 7232
689 DEPOT ST
NORTH EASTON ,MA 02356

UPS Access Point™
TOWN LINE GENERAL STORE
450 E CENTER ST
WEST BRIDGEWATER ,MA 02379

FOLD HERE



From: UPS
To: John Coleman
Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030338141335
Date: Tuesday, October 26, 2021 5:27:44 PM

Hello, your package has been delivered.

Delivery Date: Tuesday, 10/26/2021
Delivery Time: 5:26 PM
Left At: RECEIVER
Signed by: KRISSY

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030338141335
Ship To:	LAND MANAGEMENT INC 482 MERIDEN RD MIDDLEFIELD, CT 064553003 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	411260
Reference Number:	MIDDLEFIELD CT

Download the UPS mobile app

Connecticut Siting Council(/CSC)

Decisions (/CSC/Decisions/Decisions) >

Meetings and Minutes (/CSC/Common-Elements/v4-template/Council-Activity) >

Pending Matters (/CSC/1_Applications-and-Other-Pending-Matters/Pending-Matters) >

About Us (/CSC/Common-Elements/Common-Elements/Connecticut-Siting-Council---Description) >

Contact Us (/CSC/Common-Elements/Common-Elements/Contact-Us) >

Search Connecticut Siting Council

DOCKET NO. 223 - Cellco Partnership d/b/a Verizon Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a cellular telecommunications facility at 484 Meriden Road, Middlefield, Connecticut.	} Connecticut } Siting } Council } July 11, 2002

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Crown Atlantic Company LLC and Cellco Partnership d/b/a Verizon Wireless (Cellco) for the construction, maintenance and operation of a wireless telecommunications facility at the proposed site located at 484 Meriden Road in Middlefield, Connecticut.

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

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

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

3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall provide a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

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

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

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

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

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

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

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

The parties and intervenors to this proceeding are:

Applicant	**Its Representative**
Crown Atlantic Company LLC and Cellco Partnership d/b/a Verizon Wireless	Robert Stanford Crown Atlantic Company LLC 703 Hebron Avenue Glastonbury, CT 06033 Kenneth C. Baldwin, Esq. Joey Lee Miranda, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103-3597
Intervenor	**Its Representative**
AT&T Wireless	Christopher B. Fisher Cuddy & Feder & Worby 90 Maple Avenue White Plains, NY 10601 w: - (914) 761-1300 f: - (914) 761-6405

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 ReAnalysis-VZW

SMART Tool Project #: 10097731
Maser Consulting Connecticut Project #: 21777435A (Rev 1)

August 23, 2021

Site Information	*Site ID:*	*469410-VZW / MIDDLEFIELD CT*
	Site Name:	*MIDDLEFIELD CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*484 Meriden Road* *Middlefield, Connecticut 06455* *Middlesex County*
	Latitude:	*41.535514°*
	Longitude:	*-72.732094°*
Structure Information	*Tower Type:*	*151-Ft Self Support*
	Mount Type:	*13.76-Ft Platform*

FUZE ID # 16244155

Analysis Results

Platform: **75.9% 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

Report Prepared By: Frank Centone

STATE OF CONNECTICUT
DEREK R. HARTZELL
32710
LICENSED PROFESSIONAL ENGINEER

Digitally signed by Derek Hartzell
Date: 2021.08.23 12:20:48-07'00'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Sheet (RFDS)	*Verizon RFDS, Site ID: 324353, Dated February 9, 2021*
Mount Mapping Report	*RKS Design & Engineering LLC, Site #: ATC: 411260, Dated March 26, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21777435 (Rev 1), Dated August 19, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777435, Dated August 23, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	119 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.985
Seismic Parameters:	S_S:	0.207
	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
149.00	150.00	6	Amphenol Antel	LPA-80063-6CF-EDIN-2	Retained
	153.00	3	Samsung	MT6407-77A	Added
	150.00	4	Commscope	NHH-45B-R2B	Retained
		2	Commscope	NHH-65B-R2B	
		1	RFS	DB-C1-12C-24AB-0Z	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting 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
Standoff Horizontal	31.6%	Pass
Face Horizontal	35.8%	Pass
Mount Pipe	74.8%	Pass
MOD Kicker	14.8%	Pass
Mount Connection	75.9%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**75.9%**

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


03/26/2021


3/26/2021

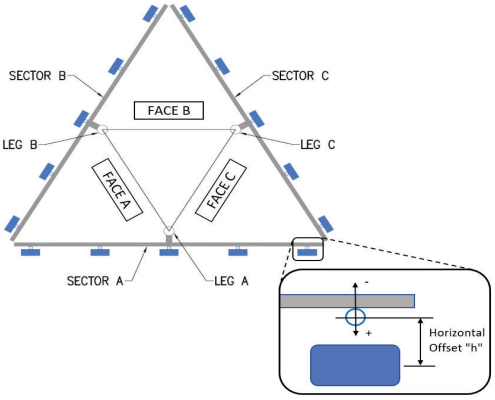
V3.0 Updated on 8-31-2020

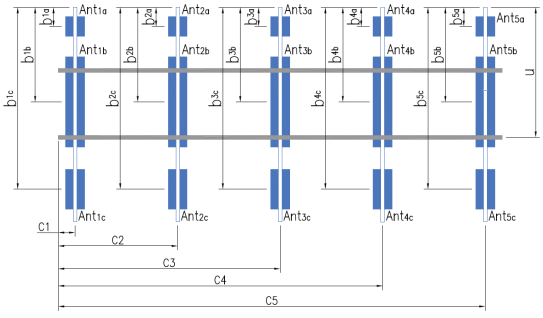
Antenna Mount Mapping Form (PATENT PENDING)

FCC # UNKNOWN

Tower Owner:	ATC	**Mapping Date:**	3/26/2021
Site Name:	ATC:MIDDLEFIELD CT,VZW:MIDDLEFIELD CT	**Tower Type:**	Monopole
Site Number or ID:	ATC:411260, VZW:16244155	**Tower Height (Ft.):**	150.5
Mapping Contractor:	RKS Design & Engineering LLC	**Mount Elevation (Ft.):**	150.5

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





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	Pipe 2.375"Ø X 0.16" X 102" Long	55.75	10.50	C1	Pipe 2.375"Ø X 0.16" X 102" Long	55.75	10.50
A2	Pipe 2.375"Ø X 0.16" X 102" Long	56.00	33.75	C2	Pipe 2.375"Ø X 0.16" X 102" Long	56.00	33.75
A3	Pipe 2.375"Ø X 0.16" X 84" Long	51.50	94.25	C3	Pipe 2.375"Ø X 0.16" X 84" Long	51.50	94.25
A4	Pipe 2.375"Ø X 0.16" X 102" Long	49.25	127.25	C4	Pipe 2.375"Ø X 0.16" X 102" Long	49.25	127.25
A5	Pipe 2.375"Ø X 0.16" X 102" Long	55.50	154.25	C5	Pipe 2.375"Ø X 0.16" X 102" Long	55.50	154.25
A6				C6			
B1	Pipe 2.375"Ø X 0.16" X 102" Long	55.75	10.50	D1			
B2	Pipe 2.375"Ø X 0.16" X 102" Long	56.00	33.75	D2			
B3	Pipe 2.375"Ø X 0.16" X 84" Long	51.50	94.25	D3			
B4	Pipe 2.375"Ø X 0.16" X 102" Long	49.25	127.25	D4			
B5	Pipe 2.375"Ø X 0.16" X 102" Long	55.50	154.25	D5			
B6				D6			

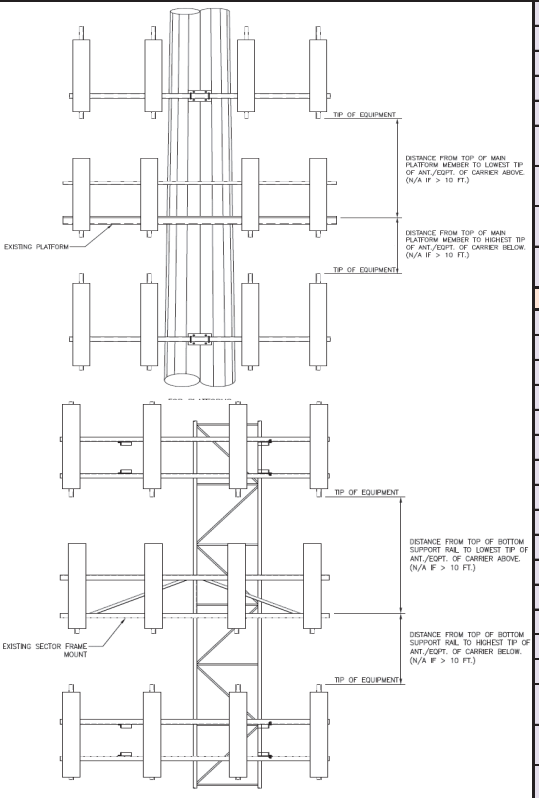
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	6
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.):	20.625

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	LPA-80063-6CF-EDIN-	15.20	13.10	71.10		152.063	37.00	13.50	0.00	32,180
Ant_{1c}										
Ant_{2a}	RFV01U-D1A	15.00	10.00	15.00		153.958	14.50			32,180
Ant_{2b}										
Ant_{2c}	RFV01U-D2A	15.00	8.10	15.00		153.042	25.50			32,180
Ant_{3a}										
Ant_{3b}	(2)NHH-65B-R2B	11.90	7.10	72.00		152.25	30.50	11.50	45.00	32,181
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	LPA-80063-6CF-EDIN-	15.20	13.10	71.10		151.917	38.50	14.50	45.00	32,183
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:	0.00	Deg	Leg A:		Deg
Sector B:	120.00	Deg	Leg B:		Deg
Sector C:	240.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	120.00 Deg	N/A
Climbing Facility	Corrosion Type:	N/A
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	LPA-80063-6CF-EDIN-	15.20	13.10	71.10		152.063	37.00	13.50	45.00	41,186
Ant_{1c}										
Ant_{2a}	RFV01U-D1A	15.00	10.00	15.00		153.958	14.50			41,186
Ant_{2b}										
Ant_{2c}	RFV01U-D2A	15.00	8.10	15.00		153.042	25.50			41,186
Ant_{3a}										
Ant_{3b}	(2)NHH-45B-R2B	18.00	7.00	72.00		152.208	31.00	11.50	180.00	41,188
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	LPA-80063-6CF-EDIN-	15.20	13.10	71.10		151.917	38.50	14.50	120.00	41,188
Ant_{5c}										
Ant on Standoff	RRFDC-6627-PF-48	16.50	12.60	29.70			37.00			126
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	LPA-80063-6CF-EDIN-	15.20	13.10	71.10		152.063	37.00	13.50	240.00	51,192
Ant_{1c}										
Ant_{2a}	RFV01U-D1A	15.00	10.00	15.00		153.958	14.50			51,192
Ant_{2b}										
Ant_{2c}	RFV01U-D2A	15.00	8.10	15.00		153.042	25.50			51,192
Ant_{3a}										
Ant_{3b}	(2)NHH-45B-R2B	18.00	7.00	72.00		152.208	31.00	11.50	240.00	51,193
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	LPA-80063-6CF-EDIN-	15.20	13.10	71.10		151.917	38.50	14.50	240.00	51,195
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	COAX TOTAL(7): (6)FH 1-5/8 , (1) 1.9"Ø HYBRID	152
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.

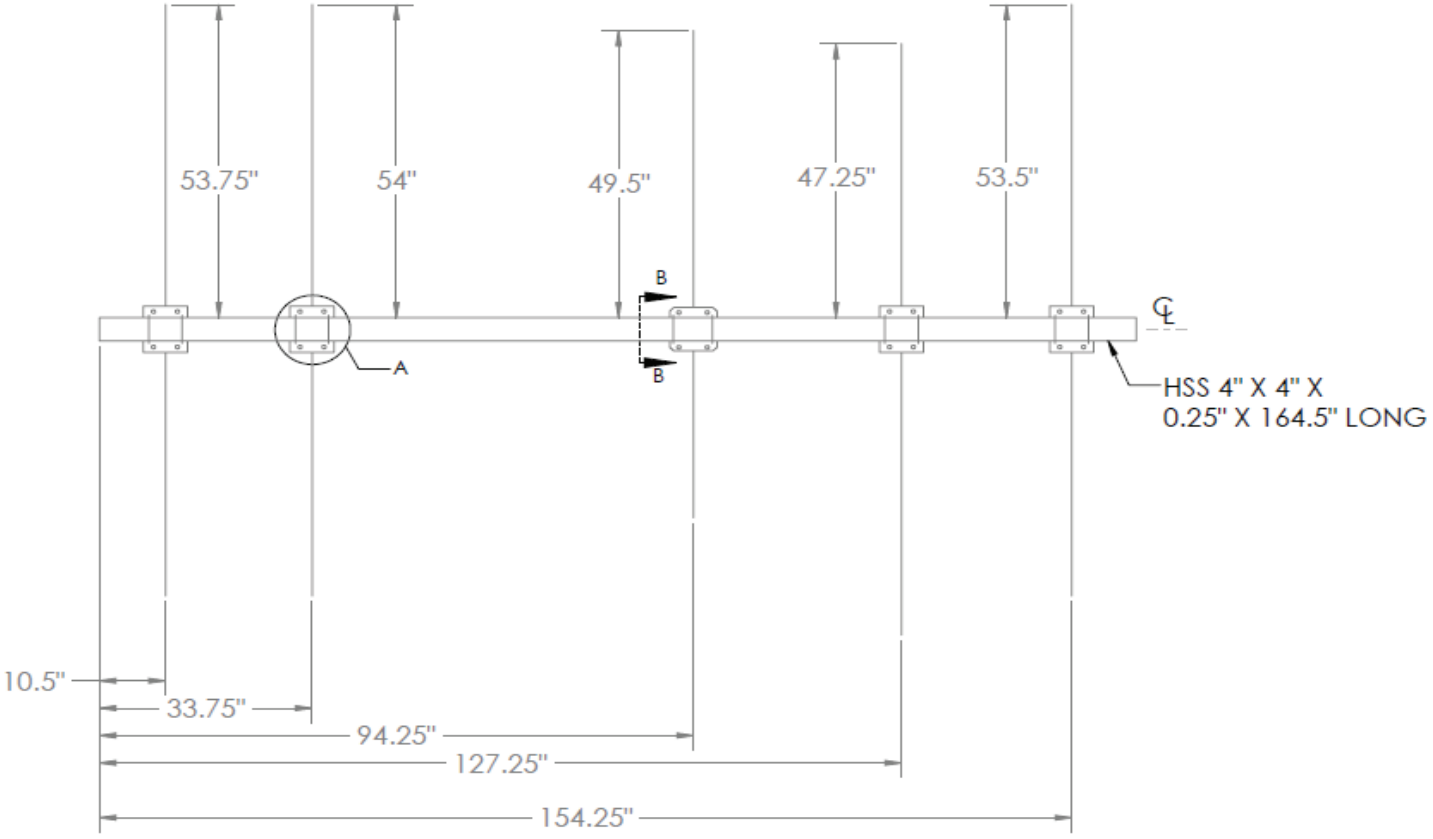
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

Antenna Mount Mapping Form (PATENT PENDING)

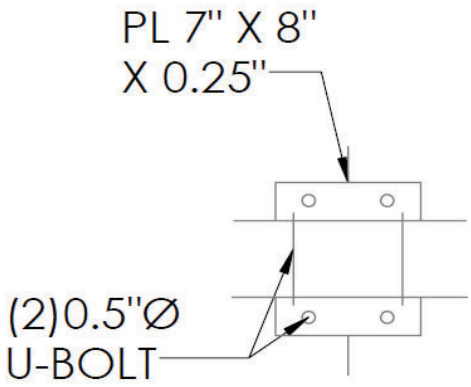
FCC # UNKNOWN

Tower Owner:	ATC	**Mapping Date:**	3/26/2021
Site Name:	ATC:MIDDLEFIELD CT,VZW:MIDDLEFIELD CT	**Tower Type:**	Monopole
Site Number or ID:	ATC:411260, VZW:16244155	**Tower Height (Ft.):**	150.5
Mapping Contractor:	RKS Design & Engineering LLC	**Mount Elevation (Ft.):**	150.5

Please Insert Sketches of the Antenna Mount

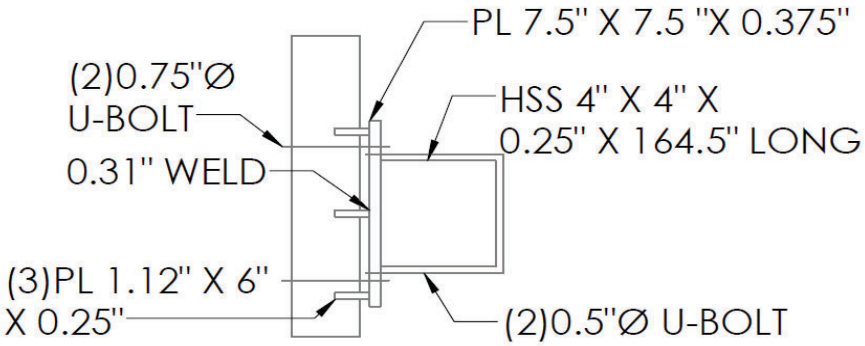


SECTOR A,B & C

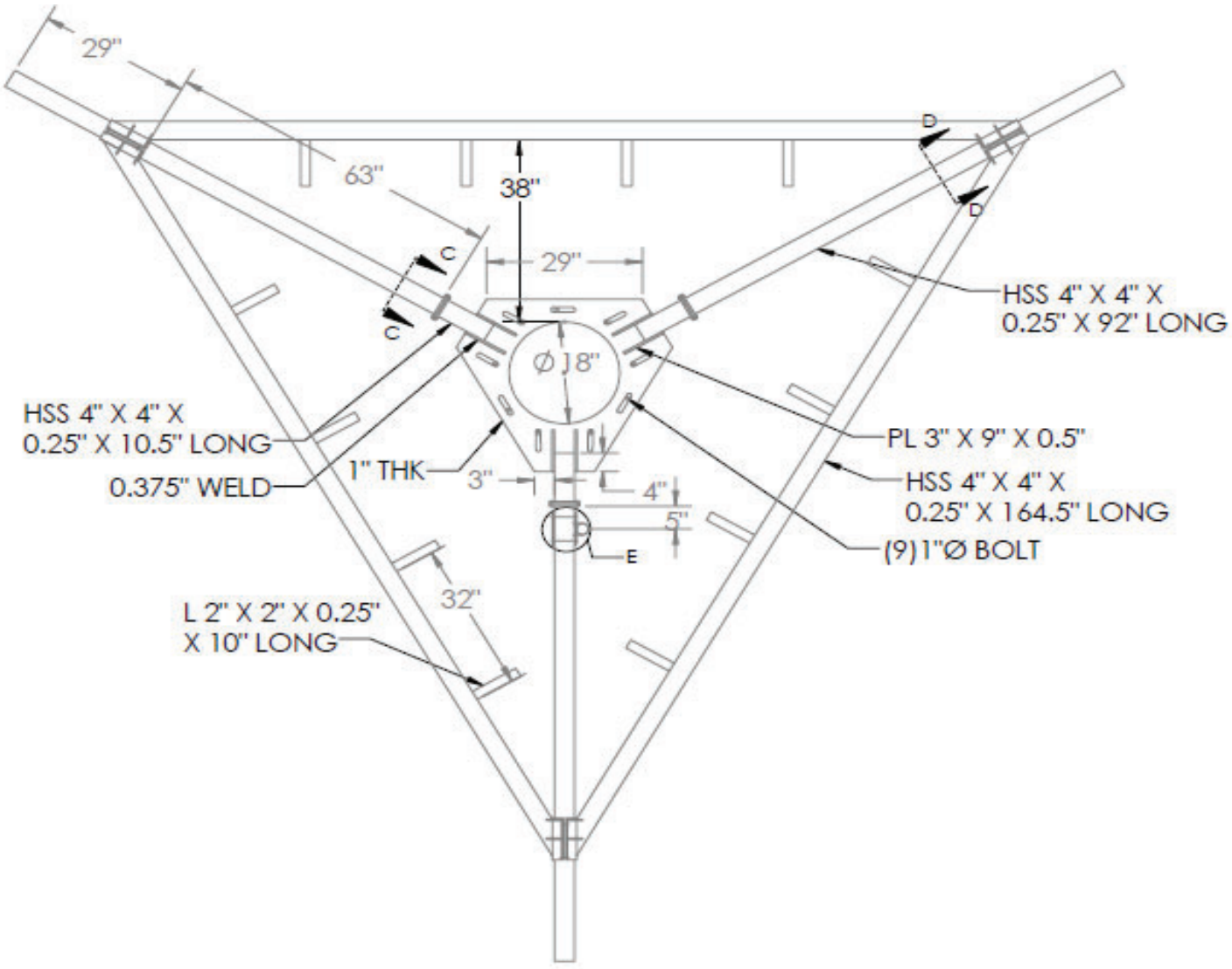


DETAIL A

Please Insert Sketches of the Antenna Mount, cont'd

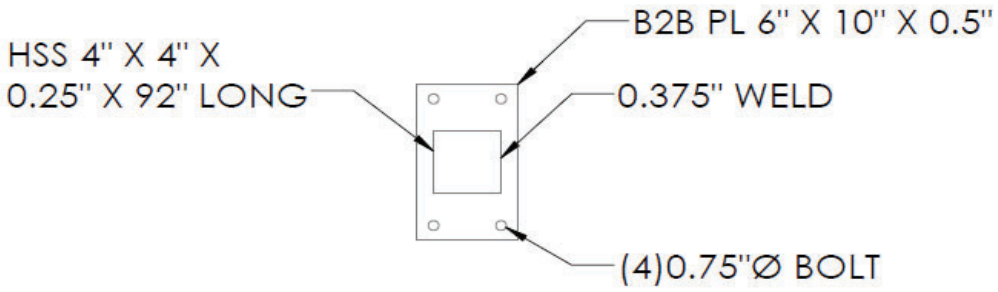


SECTION B-B

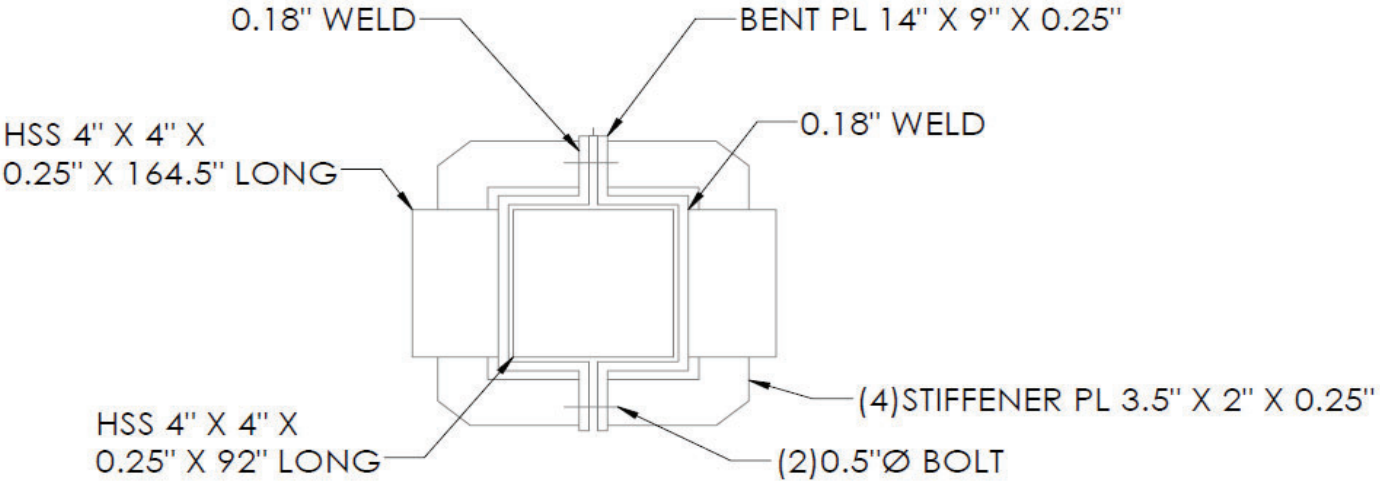


MOUNT VIEW

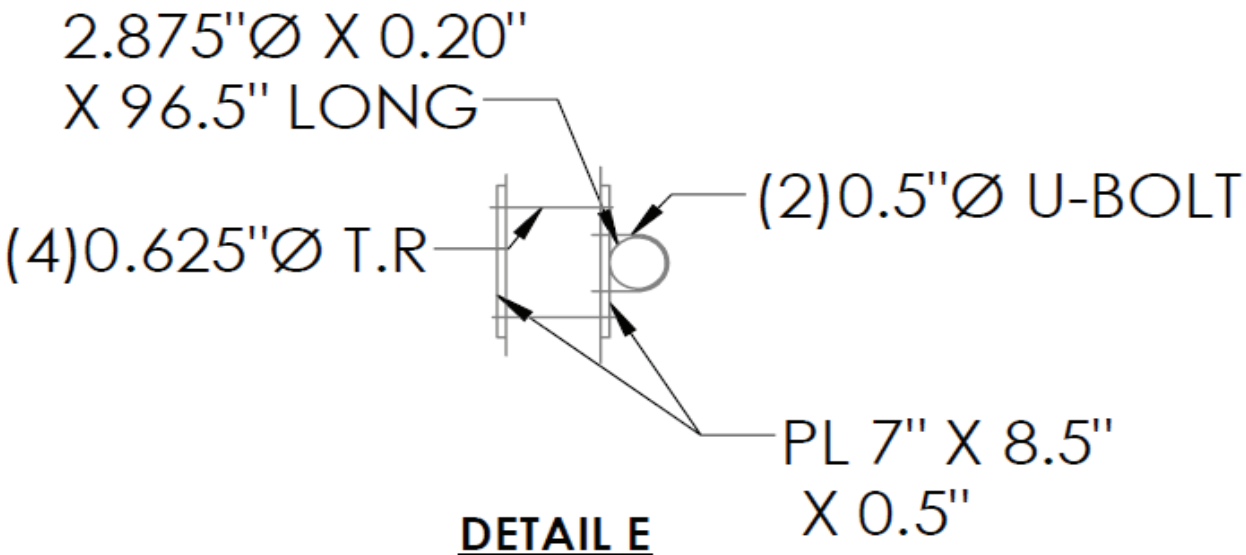
Please Insert Sketches of the Antenna Mount, cont'd



SECTION C-C



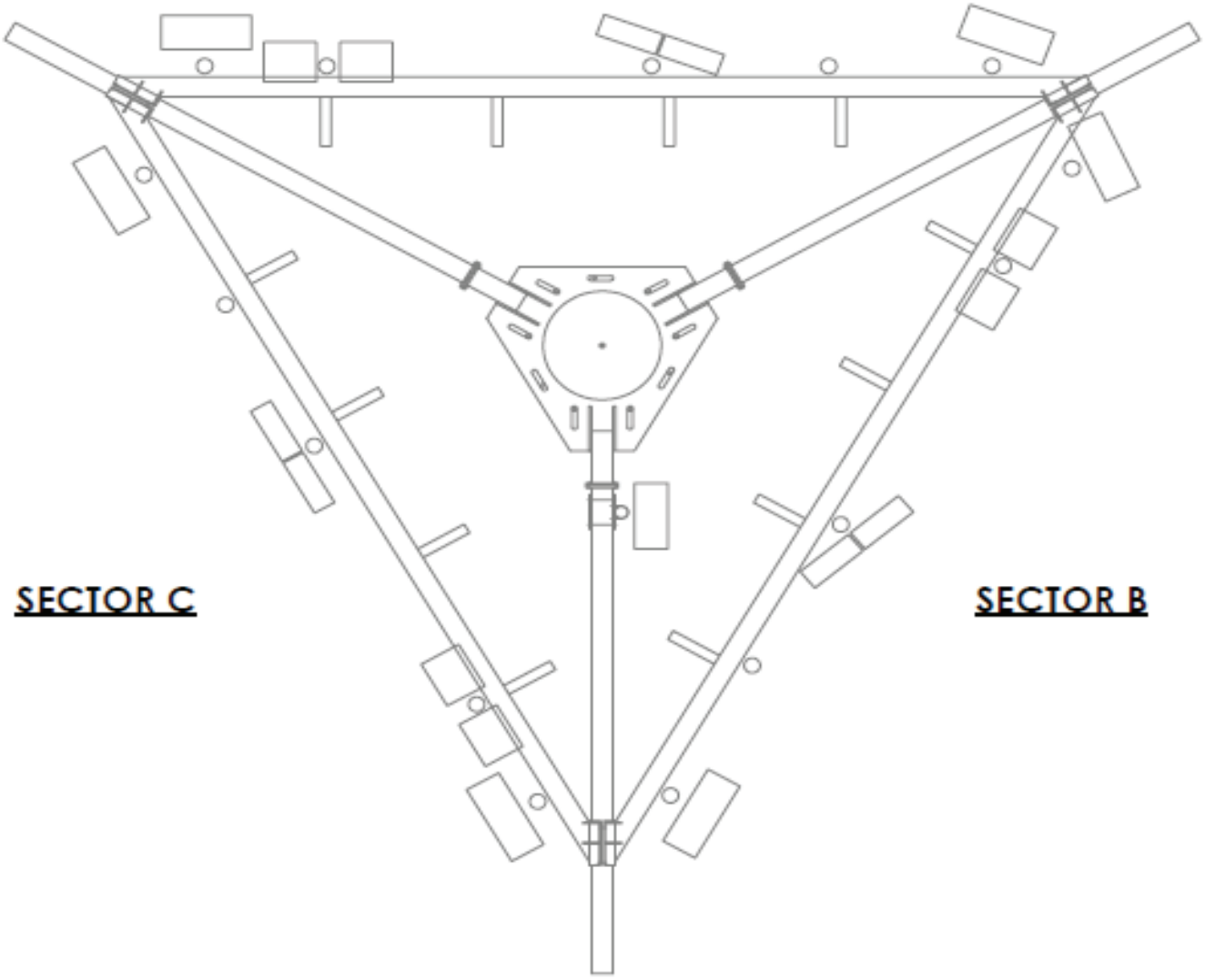
SECTION D-D



DETAIL E

Please Insert Sketches of the Antenna Mount, cont'd

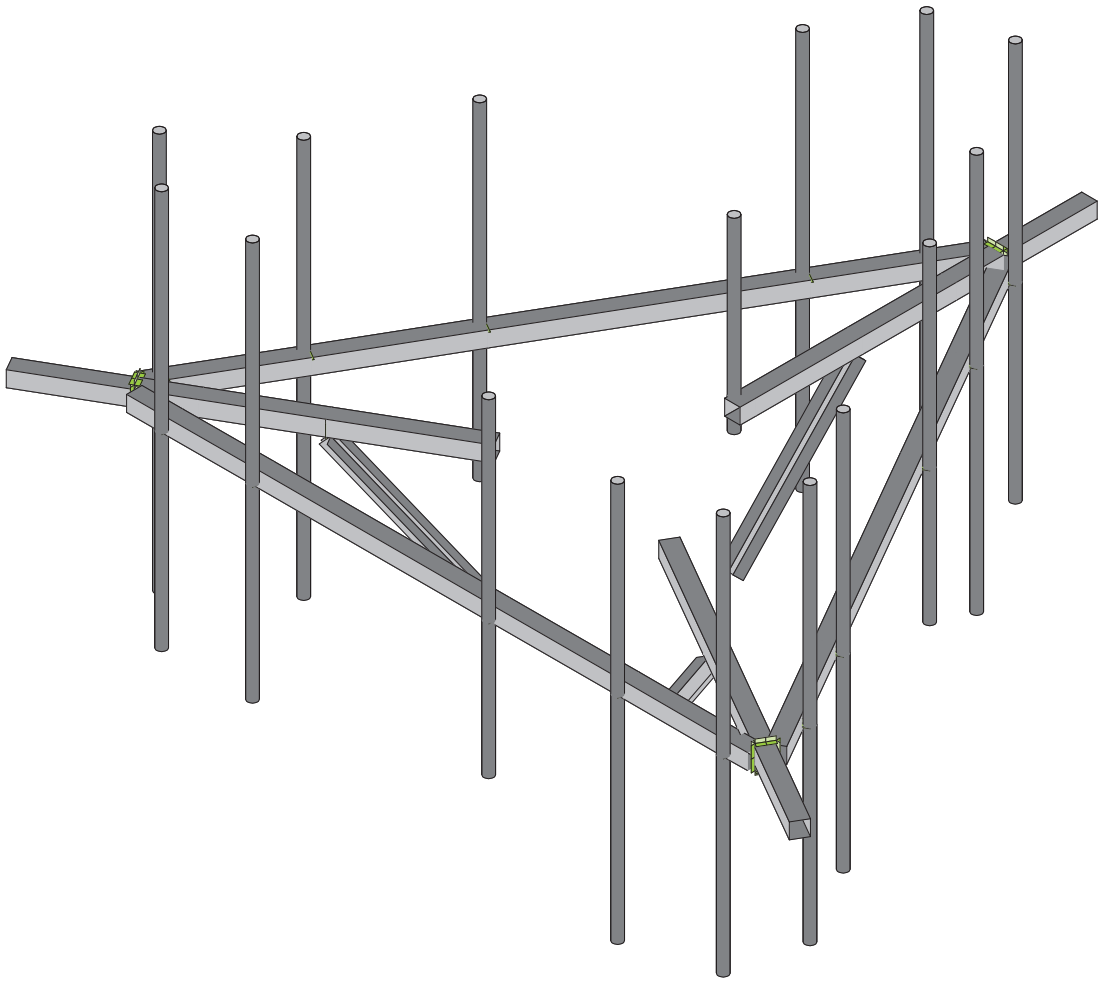
SECTOR A



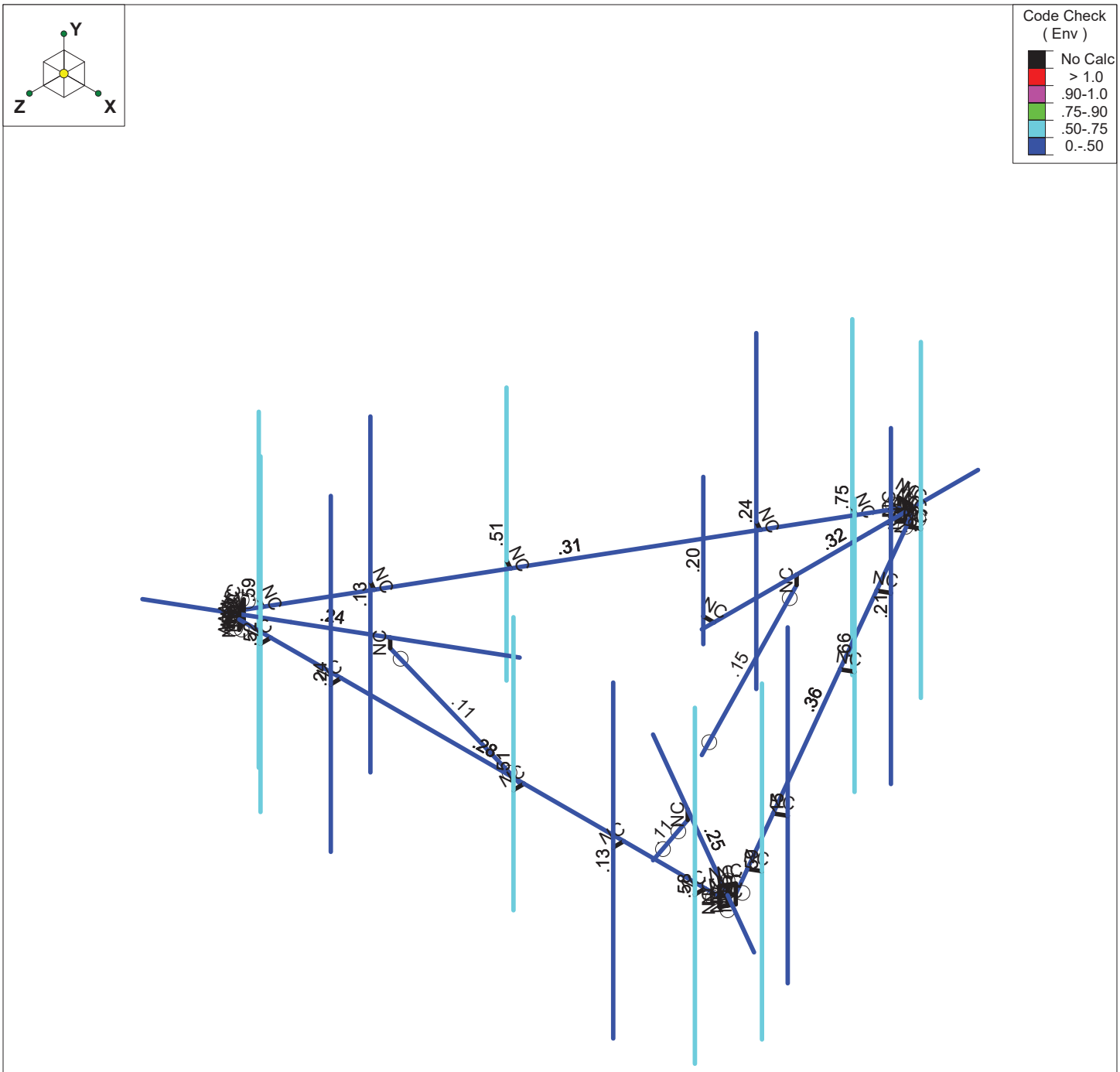
SECTOR C

SECTOR B

ANTENNA PLAN VIEW

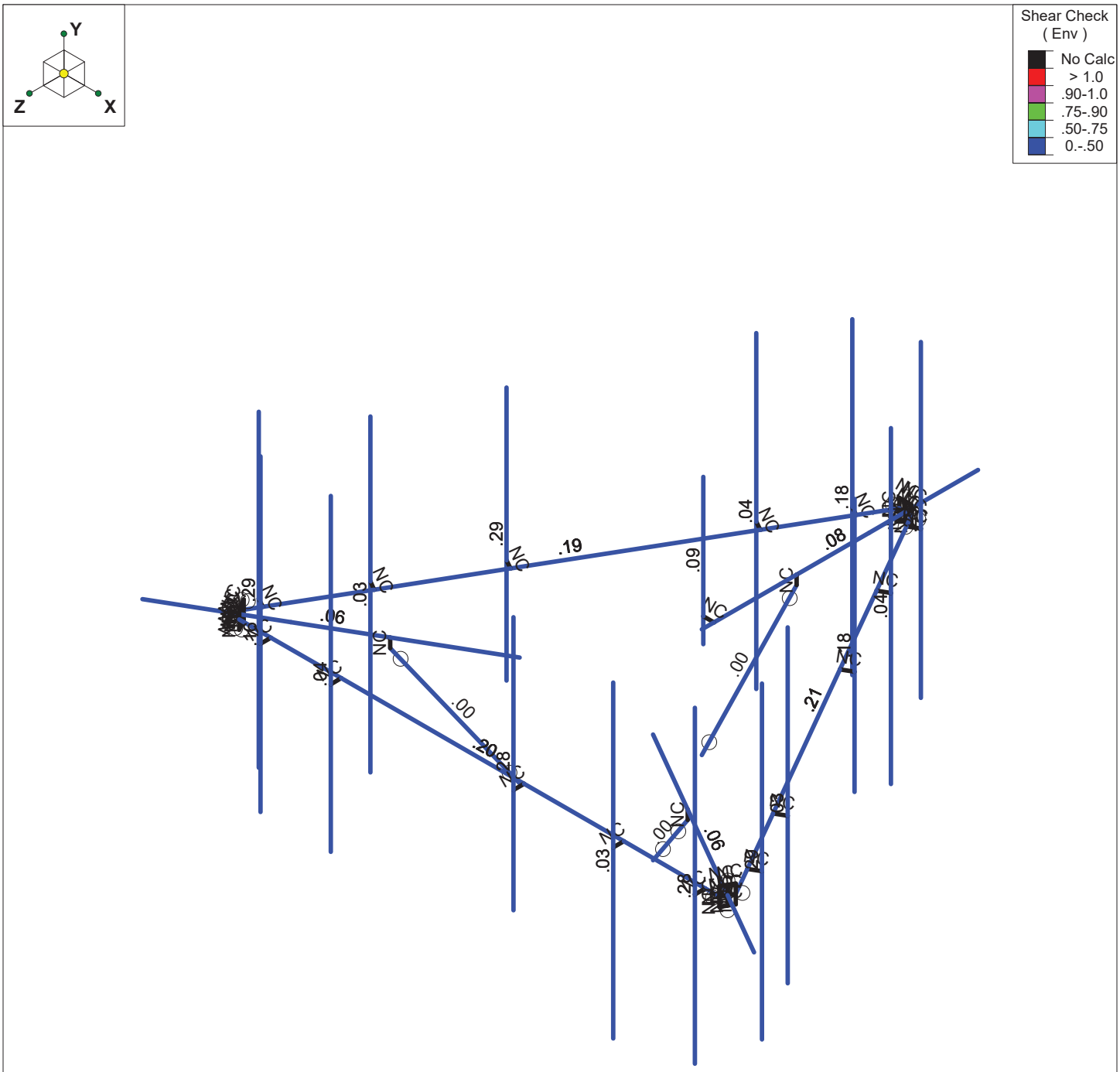


Maser Consulting	Mount Analysis	SK - 2
		Aug 19, 2021 at 11:51 AM
		469410-VZW_MT_LO_H.r3d



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

Maser Consulting	Mount Analysis	SK - 3
		Aug 19, 2021 at 11:51 AM
		469410-VZW_MT_LO_H.r3d



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

Maser Consulting	Mount Analysis	SK - 4
		Aug 19, 2021 at 11:51 AM
		469410-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					132			
2	Antenna Di	None					132			
3	Antenna Wo (0 Deg)	None					132			
4	Antenna Wo (30 Deg)	None					132			
5	Antenna Wo (60 Deg)	None					132			
6	Antenna Wo (90 Deg)	None					132			
7	Antenna Wo (120 Deg)	None					132			
8	Antenna Wo (150 Deg)	None					132			
9	Antenna Wo (180 Deg)	None					132			
10	Antenna Wo (210 Deg)	None					132			
11	Antenna Wo (240 Deg)	None					132			
12	Antenna Wo (270 Deg)	None					132			
13	Antenna Wo (300 Deg)	None					132			
14	Antenna Wo (330 Deg)	None					132			
15	Antenna Wi (0 Deg)	None					132			
16	Antenna Wi (30 Deg)	None					132			
17	Antenna Wi (60 Deg)	None					132			
18	Antenna Wi (90 Deg)	None					132			
19	Antenna Wi (120 Deg)	None					132			
20	Antenna Wi (150 Deg)	None					132			
21	Antenna Wi (180 Deg)	None					132			
22	Antenna Wi (210 Deg)	None					132			
23	Antenna Wi (240 Deg)	None					132			
24	Antenna Wi (270 Deg)	None					132			
25	Antenna Wi (300 Deg)	None					132			
26	Antenna Wi (330 Deg)	None					132			
27	Antenna Wm (0 Deg)	None					132			
28	Antenna Wm (30 Deg)	None					132			
29	Antenna Wm (60 Deg)	None					132			
30	Antenna Wm (90 Deg)	None					132			
31	Antenna Wm (120 Deg)	None					132			
32	Antenna Wm (150 Deg)	None					132			
33	Antenna Wm (180 Deg)	None					132			
34	Antenna Wm (210 Deg)	None					132			
35	Antenna Wm (240 Deg)	None					132			
36	Antenna Wm (270 Deg)	None					132			
37	Antenna Wm (300 Deg)	None					132			
38	Antenna Wm (330 Deg)	None					132			
39	Structure D	None		-1					3	
40	Structure Di	None						25	3	
41	Structure Wo (0 Deg)	None						50		
42	Structure Wo (30 Deg)	None						50		
43	Structure Wo (60 Deg)	None						50		
44	Structure Wo (90 Deg)	None						50		
45	Structure Wo (120 D...	None						50		
46	Structure Wo (150 D...	None						50		
47	Structure Wo (180 D...	None						50		
48	Structure Wo (210 D...	None						50		
49	Structure Wo (240 D...	None						50		
50	Structure Wo (270 D...	None						50		
51	Structure Wo (300 D...	None						50		
52	Structure Wo (330 D...	None						50		
53	Structure Wi (0 Deg)	None						50		
54	Structure Wi (30 Deg)	None						50		
55	Structure Wi (60 Deg)	None						50		
56	Structure Wi (90 Deg)	None						50		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						50		
58	Structure Wi (150 De...	None						50		
59	Structure Wi (180 De...	None						50		
60	Structure Wi (210 De...	None						50		
61	Structure Wi (240 De...	None						50		
62	Structure Wi (270 De...	None						50		
63	Structure Wi (300 De...	None						50		
64	Structure Wi (330 De...	None						50		
65	Structure Wm (0 Deg)	None						50		
66	Structure Wm (30 De...	None						50		
67	Structure Wm (60 De...	None						50		
68	Structure Wm (90 De...	None						50		
69	Structure Wm (120 D...	None						50		
70	Structure Wm (150 D...	None						50		
71	Structure Wm (180 D...	None						50		
72	Structure Wm (210 D...	None						50		
73	Structure Wm (240 D...	None						50		
74	Structure Wm (270 D...	None						50		
75	Structure Wm (300 D...	None						50		
76	Structure Wm (330 D...	None						50		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						12		
82	BLC 40 Transient Are...	None						12		

Load Combinations

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

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N3	0	0	-2.125	0	
2	N27	0	0	-9.739583	0	
3	CP	0	0	0	0	
4	N5	0	0	-7.739583	0	
5	N6	0.166667	0	-7.739583	0	
6	N7	-0.166667	0	-7.739583	0	
7	N8	0	.25	-7.739583	0	
8	N9	0.166667	.25	-7.739583	0	
9	N10	-0.166667	.25	-7.739583	0	
10	N11	0	-.25	-7.739583	0	
11	N12	0.166667	-.25	-7.739583	0	
12	N13	-0.166667	-.25	-7.739583	0	
13	N14	-1.840304	0	1.0625	0	
14	N15	-8.434727	0	4.869792	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N17	-6.702676	0	3.869792	0	
16	N18	-6.786009	0	3.725454	0	
17	N19	-6.619342	0	4.014129	0	
18	N20	-6.702676	.25	3.869792	0	
19	N21	-6.786009	.25	3.725454	0	
20	N22	-6.619342	.25	4.014129	0	
21	N23	-6.702676	-.25	3.869792	0	
22	N24	-6.786009	-.25	3.725454	0	
23	N25	-6.619342	-.25	4.014129	0	
24	N26	1.840304	0	1.0625	0	
25	N27A	8.434727	0	4.869792	0	
26	N29	6.702676	0	3.869792	0	
27	N30	6.619342	0	4.014129	0	
28	N31	6.786009	0	3.725454	0	
29	N32	6.702676	.25	3.869792	0	
30	N33	6.619342	.25	4.014129	0	
31	N34	6.786009	.25	3.725454	0	
32	N35	6.702676	-.25	3.869792	0	
33	N36	6.619342	-.25	4.014129	0	
34	N37	6.786009	-.25	3.725454	0	
35	N41	-5.744324	0	4.014129	0	
36	N44	-5.744324	0	4.305796	0	
37	N48	-5.744324	4.479167	4.305796	0	
38	N52	-5.744324	-4.020833	4.305796	0	
39	N90	-0.291667	0	-2.458333	0	
40	N91	-0.	0	-2.458333	0	
41	N92	-0.291667	3.333333	-2.458333	0	
42	N93	-0.291667	-0.666667	-2.458333	0	
43	N43	-3.806824	0	4.014129	0	
44	N44A	-3.806824	0	4.305796	0	
45	N45	-3.806824	4.5	4.305796	0	
46	N46	-3.806824	-4	4.305796	0	
47	N47	1.234842	0	4.014129	0	
48	N48A	1.234842	0	4.305796	0	
49	N49	1.234842	4.125	4.305796	0	
50	N50	1.234842	-2.875	4.305796	0	
51	N51	3.984842	0	4.014129	0	
52	N52A	3.984842	0	4.305796	0	
53	N53	3.984842	3.9375	4.305796	0	
54	N54	3.984842	-4.5625	4.305796	0	
55	N55	6.234842	0	4.014129	0	
56	N56	6.234842	0	4.305796	0	
57	N57	6.234842	4.458333	4.305796	0	
58	N58	6.234842	-4.041667	4.305796	0	
59	N59	6.3485	0	2.967666	0	
60	N60	6.601091	0	2.821833	0	
61	N61	6.601091	4.479167	2.821833	0	
62	N62	6.601091	-4.020833	2.821833	0	
63	N63	5.37975	0	1.289742	0	
64	N64	5.632341	0	1.143909	0	
65	N65	5.632341	4.5	1.143909	0	
66	N66	5.632341	-4	1.143909	0	
67	N67	2.858917	0	-3.07647	0	
68	N68	3.111507	0	-3.222303	0	
69	N69	3.111507	4.125	-3.222303	0	
70	N70	3.111507	-2.875	-3.222303	0	
71	N71	1.483917	0	-5.458039	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N72	1.736507	0	-5.603873	0	
73	N73	1.736507	3.9375	-5.603873	0	
74	N74	1.736507	-4.5625	-5.603873	0	
75	N75	0.358917	0	-7.406597	0	
76	N76	0.611507	0	-7.55243	0	
77	N77	0.611507	4.458333	-7.55243	0	
78	N78	0.611507	-4.041667	-7.55243	0	
79	N79	-0.604176	0	-6.981795	0	
80	N80	-0.856767	0	-7.127629	0	
81	N81	-0.856767	4.479167	-7.127629	0	
82	N82	-0.856767	-4.020833	-7.127629	0	
83	N83	-1.572926	0	-5.303871	0	
84	N84	-1.825517	0	-5.449704	0	
85	N85	-1.825517	4.5	-5.449704	0	
86	N86	-1.825517	-4	-5.449704	0	
87	N87	-4.093759	0	-0.93766	0	
88	N88	-4.34635	0	-1.083493	0	
89	N89	-4.34635	4.125	-1.083493	0	
90	N90A	-4.34635	-2.875	-1.083493	0	
91	N91A	-5.468759	0	1.44391	0	
92	N92A	-5.72135	0	1.298077	0	
93	N93A	-5.72135	3.9375	1.298077	0	
94	N94	-5.72135	-4.5625	1.298077	0	
95	N95	-6.593759	0	3.392467	0	
96	N96	-6.84635	0	3.246634	0	
97	N97	-6.84635	4.458333	3.246634	0	
98	N98	-6.84635	-4.041667	3.246634	0	
99	N99	-5.744324	0	3.680796	0	
100	N100	6.234842	0	3.680796	0	
101	N101	0	0	-6.739583	0	
102	N102	-5.83665	0	3.369792	0	
103	N103	5.83665	0	3.369792	0	
104	N104	0	0	-4.739583	0	
105	N105	0	-.25	-4.739583	0	
106	N106	0	-3	-2.125	0	
107	N107	-4.1046	0	2.369792	0	
108	N108	-4.1046	-.25	2.369792	0	
109	N109	-1.840304	-3	1.0625	0	
110	N110	4.1046	0	2.369792	0	
111	N111	4.1046	-.25	2.369792	0	
112	N112	1.840304	-3	1.0625	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical	2.58	6.21	6.21	10
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
4	MOD Kicker	LL3x3x3x3	Column	Double Angle (...	A36 Gr.36	Typical	2.18	4.09	1.9	.027

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1

Hot Rolled Steel Properties (Continued)

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M2	N7	N5			RIGID	None	None	RIGID	Typical
3	M3	N6	N5			RIGID	None	None	RIGID	Typical
4	M4A	N10	N8			RIGID	None	None	RIGID	Typical
5	M5	N9	N8			RIGID	None	None	RIGID	Typical
6	M6	N13	N11			RIGID	None	None	RIGID	Typical
7	M7	N12	N11			RIGID	None	None	RIGID	Typical
8	M8	N8	N5			RIGID	None	None	RIGID	Typical
9	M9	N11	N5			RIGID	None	None	RIGID	Typical
10	M10	N7	N10			RIGID	None	None	RIGID	Typical
11	M11	N6	N9			RIGID	None	None	RIGID	Typical
12	M12	N7	N13			RIGID	None	None	RIGID	Typical
13	M13	N6	N12			RIGID	None	None	RIGID	Typical
14	M14	N14	N15			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
15	M15	N19	N17			RIGID	None	None	RIGID	Typical
16	M16	N18	N17			RIGID	None	None	RIGID	Typical
17	M17	N22	N20			RIGID	None	None	RIGID	Typical
18	M18	N21	N20			RIGID	None	None	RIGID	Typical
19	M19	N25	N23			RIGID	None	None	RIGID	Typical
20	M20	N24	N23			RIGID	None	None	RIGID	Typical
21	M21	N20	N17			RIGID	None	None	RIGID	Typical
22	M22	N23	N17			RIGID	None	None	RIGID	Typical
23	M23	N19	N22			RIGID	None	None	RIGID	Typical
24	M24	N18	N21			RIGID	None	None	RIGID	Typical
25	M25	N19	N25			RIGID	None	None	RIGID	Typical
26	M26	N18	N24			RIGID	None	None	RIGID	Typical
27	M27	N26	N27A			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
28	M28	N31	N29			RIGID	None	None	RIGID	Typical
29	M29	N30	N29			RIGID	None	None	RIGID	Typical
30	M30	N34	N32			RIGID	None	None	RIGID	Typical
31	M31	N33	N32			RIGID	None	None	RIGID	Typical
32	M32	N37	N35			RIGID	None	None	RIGID	Typical
33	M33	N36	N35			RIGID	None	None	RIGID	Typical
34	M34	N32	N29			RIGID	None	None	RIGID	Typical
35	M35	N35	N29			RIGID	None	None	RIGID	Typical
36	M36	N31	N34			RIGID	None	None	RIGID	Typical
37	M37	N30	N33			RIGID	None	None	RIGID	Typical
38	M38	N31	N37			RIGID	None	None	RIGID	Typical
39	M39	N30	N36			RIGID	None	None	RIGID	Typical
40	M40	N18	N7			Face Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
41	M41	N6	N31			Face Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
42	M42	N19	N30			Face Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
43	M46	N41	N44			RIGID	None	None	RIGID	Typical
44	MP5A	N48	N52			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
45	OVP	N92	N93			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
46	M68	N91	N90			RIGID	None	None	RIGID	Typical
47	M47	N43	N44A			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
48	MP4A	N45	N46			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
49	M49	N47	N48A			RIGID	None	None	RIGID	Typical
50	MP3A	N49	N50			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
51	M51	N51	N52A			RIGID	None	None	RIGID	Typical
52	MP2A	N53	N54			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
53	M53	N55	N56			RIGID	None	None	RIGID	Typical
54	MP1A	N57	N58			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
55	M55	N59	N60			RIGID	None	None	RIGID	Typical
56	MP5C	N61	N62			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
57	M57	N63	N64			RIGID	None	None	RIGID	Typical
58	MP4C	N65	N66			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
59	M59	N67	N68			RIGID	None	None	RIGID	Typical
60	MP3C	N69	N70			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
61	M61	N71	N72			RIGID	None	None	RIGID	Typical
62	MP2C	N73	N74			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
63	M63	N75	N76			RIGID	None	None	RIGID	Typical
64	MP1C	N77	N78			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
65	M65	N79	N80			RIGID	None	None	RIGID	Typical
66	MP5B	N81	N82			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
67	M67	N83	N84			RIGID	None	None	RIGID	Typical
68	MP4B	N85	N86			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
69	M69	N87	N88			RIGID	None	None	RIGID	Typical
70	MP3B	N89	N90A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
71	M71	N91A	N92A			RIGID	None	None	RIGID	Typical
72	MP2B	N93A	N94			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
73	M73	N95	N96			RIGID	None	None	RIGID	Typical
74	MP1B	N97	N98			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
75	M75	N105	N106			MOD Kicker	Column	Double Angle (...	A36 Gr.36	Typical
76	M76	N104	N105			RIGID	None	None	RIGID	Typical
77	M77	N108	N109			MOD Kicker	Column	Double Angle (...	A36 Gr.36	Typical
78	M78	N107	N108			RIGID	None	None	RIGID	Typical
79	M79	N111	N112			MOD Kicker	Column	Double Angle (...	A36 Gr.36	Typical
80	M80	N110	N111			RIGID	None	None	RIGID	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M4	Standoff Ho...	7.615			Lbyy						Lateral
2	M14	Standoff Ho...	7.615			Lbyy						Lateral
3	M27	Standoff Ho...	7.615			Lbyy						Lateral
4	M40	Face Horizo...	13.239			Lbyy						Lateral
5	M41	Face Horizo...	13.239			Lbyy						Lateral
6	M42	Face Horizo...	13.239			Lbyy						Lateral
7	MP5A	Mount Pipe	8.5									Lateral
8	OVP	Mount Pipe	4									Lateral
9	MP4A	Mount Pipe	8.5									Lateral
10	MP3A	Mount Pipe	7									Lateral
11	MP2A	Mount Pipe	8.5									Lateral
12	MP1A	Mount Pipe	8.5									Lateral
13	MP5C	Mount Pipe	8.5									Lateral
14	MP4C	Mount Pipe	8.5									Lateral
15	MP3C	Mount Pipe	7									Lateral
16	MP2C	Mount Pipe	8.5									Lateral
17	MP1C	Mount Pipe	8.5									Lateral
18	MP5B	Mount Pipe	8.5									Lateral
19	MP4B	Mount Pipe	8.5									Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
20	MP3B	Mount Pipe	7									Lateral
21	MP2B	Mount Pipe	8.5									Lateral
22	MP1B	Mount Pipe	8.5									Lateral
23	M75	MOD Kicker	3.795									Lateral
24	M77	MOD Kicker	3.795									Lateral
25	M79	MOD Kicker	3.795									Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-43.55	3
2	MP2A	My	-.022	3
3	MP2A	Mz	-.019	3
4	MP2A	Y	-43.55	5
5	MP2A	My	-.022	5
6	MP2A	Mz	-.019	5
7	MP2B	Y	-43.55	3
8	MP2B	My	.029	3
9	MP2B	Mz	-.005	3
10	MP2B	Y	-43.55	5
11	MP2B	My	.029	5
12	MP2B	Mz	-.005	5
13	MP4C	Y	-43.55	3
14	MP4C	My	.015	3
15	MP4C	Mz	.025	3
16	MP4C	Y	-43.55	5
17	MP4C	My	.015	5
18	MP4C	Mz	.025	5
19	MP1A	Y	-13.5	.75
20	MP1A	My	-.012	.75
21	MP1A	Mz	-.01	.75
22	MP1A	Y	-13.5	3.5
23	MP1A	My	-.012	3.5
24	MP1A	Mz	-.01	3.5
25	MP1B	Y	-13.5	.75
26	MP1B	My	.013	.75
27	MP1B	Mz	-.008	.75
28	MP1B	Y	-13.5	3.5
29	MP1B	My	.013	3.5
30	MP1B	Mz	-.008	3.5
31	MP1C	Y	-13.5	.75
32	MP1C	My	.008	.75
33	MP1C	Mz	.013	.75
34	MP1C	Y	-13.5	3.5
35	MP1C	My	.008	3.5
36	MP1C	Mz	.013	3.5
37	MP3A	Y	-13.5	.75
38	MP3A	My	-.012	.75
39	MP3A	Mz	-.01	.75
40	MP3A	Y	-13.5	3.5
41	MP3A	My	-.012	3.5
42	MP3A	Mz	-.01	3.5
43	MP3B	Y	-13.5	.75
44	MP3B	My	.013	.75
45	MP3B	Mz	-.008	.75
46	MP3B	Y	-13.5	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP3B	My	.013	3.5
48	MP3B	Mz	-.008	3.5
49	MP5C	Y	-13.5	.75
50	MP5C	My	.008	.75
51	MP5C	Mz	.013	.75
52	MP5C	Y	-13.5	3.5
53	MP5C	My	.008	3.5
54	MP5C	Mz	.013	3.5
55	MP3C	Y	-61.5	2
56	MP3C	My	-.01	2
57	MP3C	Mz	.074	2
58	MP3C	Y	-61.5	6
59	MP3C	My	-.01	6
60	MP3C	Mz	.074	6
61	MP3C	Y	-61.5	2
62	MP3C	My	.069	2
63	MP3C	Mz	.028	2
64	MP3C	Y	-61.5	6
65	MP3C	My	.069	6
66	MP3C	Mz	.028	6
67	MP5B	Y	-61.5	2
68	MP5B	My	.066	2
69	MP5B	Mz	.035	2
70	MP5B	Y	-61.5	6
71	MP5B	My	.066	6
72	MP5B	Mz	.035	6
73	MP5B	Y	-61.5	2
74	MP5B	My	.05	2
75	MP5B	Mz	-.056	2
76	MP5B	Y	-61.5	6
77	MP5B	My	.05	6
78	MP5B	Mz	-.056	6
79	MP5A	Y	-21.85	2
80	MP5A	My	-.008	2
81	MP5A	Mz	-.023	2
82	MP5A	Y	-21.85	6
83	MP5A	My	-.008	6
84	MP5A	Mz	-.023	6
85	MP5A	Y	-21.85	2
86	MP5A	My	-.024	2
87	MP5A	Mz	-.004	2
88	MP5A	Y	-21.85	6
89	MP5A	My	-.024	6
90	MP5A	Mz	-.004	6
91	OVP	Y	-16	.5
92	OVP	My	-.007	.5
93	OVP	Mz	.008	.5
94	OVP	Y	-16	2.5
95	OVP	My	-.007	2.5
96	OVP	Mz	.008	2.5
97	MP2C	Y	-42.2	1
98	MP2C	My	-.005	1
99	MP2C	Mz	-.028	1
100	MP2C	Y	-42.2	2
101	MP2C	My	-.005	2
102	MP2C	Mz	-.028	2
103	MP4A	Y	-42.2	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
104	MP4A	My	-.018	1
105	MP4A	Mz	.022	1
106	MP4A	Y	-42.2	2
107	MP4A	My	-.018	2
108	MP4A	Mz	.022	2
109	MP4B	Y	-42.2	1
110	MP4B	My	-.005	1
111	MP4B	Mz	-.028	1
112	MP4B	Y	-42.2	2
113	MP4B	My	-.005	2
114	MP4B	Mz	-.028	2
115	MP2C	Y	-35.15	2.5
116	MP2C	My	-.02	2.5
117	MP2C	Mz	.012	2.5
118	MP2C	Y	-35.15	3.5
119	MP2C	My	-.02	3.5
120	MP2C	Mz	.012	3.5
121	MP4A	Y	-35.15	2.5
122	MP4A	My	.015	2.5
123	MP4A	Mz	-.018	2.5
124	MP4A	Y	-35.15	3.5
125	MP4A	My	.015	3.5
126	MP4A	Mz	-.018	3.5
127	MP4B	Y	-35.15	2.5
128	MP4B	My	.004	2.5
129	MP4B	Mz	.023	2.5
130	MP4B	Y	-35.15	3.5
131	MP4B	My	.004	3.5
132	MP4B	Mz	.023	3.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-35.913	3
2	MP2A	My	-.018	3
3	MP2A	Mz	-.015	3
4	MP2A	Y	-35.913	5
5	MP2A	My	-.018	5
6	MP2A	Mz	-.015	5
7	MP2B	Y	-35.913	3
8	MP2B	My	.024	3
9	MP2B	Mz	-.004	3
10	MP2B	Y	-35.913	5
11	MP2B	My	.024	5
12	MP2B	Mz	-.004	5
13	MP4C	Y	-35.913	3
14	MP4C	My	.012	3
15	MP4C	Mz	.021	3
16	MP4C	Y	-35.913	5
17	MP4C	My	.012	5
18	MP4C	Mz	.021	5
19	MP1A	Y	-90.267	.75
20	MP1A	My	-.078	.75
21	MP1A	Mz	-.065	.75
22	MP1A	Y	-90.267	3.5
23	MP1A	My	-.078	3.5
24	MP1A	Mz	-.065	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP1B	Y	-90.267	.75
26	MP1B	My	.088	.75
27	MP1B	Mz	-.051	.75
28	MP1B	Y	-90.267	3.5
29	MP1B	My	.088	3.5
30	MP1B	Mz	-.051	3.5
31	MP1C	Y	-90.267	.75
32	MP1C	My	.051	.75
33	MP1C	Mz	.088	.75
34	MP1C	Y	-90.267	3.5
35	MP1C	My	.051	3.5
36	MP1C	Mz	.088	3.5
37	MP3A	Y	-90.267	.75
38	MP3A	My	-.078	.75
39	MP3A	Mz	-.065	.75
40	MP3A	Y	-90.267	3.5
41	MP3A	My	-.078	3.5
42	MP3A	Mz	-.065	3.5
43	MP3B	Y	-90.267	.75
44	MP3B	My	.088	.75
45	MP3B	Mz	-.051	.75
46	MP3B	Y	-90.267	3.5
47	MP3B	My	.088	3.5
48	MP3B	Mz	-.051	3.5
49	MP5C	Y	-90.267	.75
50	MP5C	My	.051	.75
51	MP5C	Mz	.088	.75
52	MP5C	Y	-90.267	3.5
53	MP5C	My	.051	3.5
54	MP5C	Mz	.088	3.5
55	MP3C	Y	-79.354	2
56	MP3C	My	-.014	2
57	MP3C	Mz	.096	2
58	MP3C	Y	-79.354	6
59	MP3C	My	-.014	6
60	MP3C	Mz	.096	6
61	MP3C	Y	-79.354	2
62	MP3C	My	.09	2
63	MP3C	Mz	.036	2
64	MP3C	Y	-79.354	6
65	MP3C	My	.09	6
66	MP3C	Mz	.036	6
67	MP5B	Y	-79.354	2
68	MP5B	My	.085	2
69	MP5B	Mz	.045	2
70	MP5B	Y	-79.354	6
71	MP5B	My	.085	6
72	MP5B	Mz	.045	6
73	MP5B	Y	-79.354	2
74	MP5B	My	.065	2
75	MP5B	Mz	-.072	2
76	MP5B	Y	-79.354	6
77	MP5B	My	.065	6
78	MP5B	Mz	-.072	6
79	MP5A	Y	-61.099	2
80	MP5A	My	-.022	2
81	MP5A	Mz	-.065	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP5A	Y	-61.099	6
83	MP5A	My	-.022	6
84	MP5A	Mz	-.065	6
85	MP5A	Y	-61.099	2
86	MP5A	My	-.068	2
87	MP5A	Mz	-.01	2
88	MP5A	Y	-61.099	6
89	MP5A	My	-.068	6
90	MP5A	Mz	-.01	6
91	OVP	Y	-44.32	.5
92	OVP	My	-.019	.5
93	OVP	Mz	.023	.5
94	OVP	Y	-44.32	2.5
95	OVP	My	-.019	2.5
96	OVP	Mz	.023	2.5
97	MP2C	Y	-22.641	1
98	MP2C	My	-.003	1
99	MP2C	Mz	-.015	1
100	MP2C	Y	-22.641	2
101	MP2C	My	-.003	2
102	MP2C	Mz	-.015	2
103	MP4A	Y	-22.641	1
104	MP4A	My	-.01	1
105	MP4A	Mz	.012	1
106	MP4A	Y	-22.641	2
107	MP4A	My	-.01	2
108	MP4A	Mz	.012	2
109	MP4B	Y	-22.641	1
110	MP4B	My	-.003	1
111	MP4B	Mz	-.015	1
112	MP4B	Y	-22.641	2
113	MP4B	My	-.003	2
114	MP4B	Mz	-.015	2
115	MP2C	Y	-20.363	2.5
116	MP2C	My	-.012	2.5
117	MP2C	Mz	.007	2.5
118	MP2C	Y	-20.363	3.5
119	MP2C	My	-.012	3.5
120	MP2C	Mz	.007	3.5
121	MP4A	Y	-20.363	2.5
122	MP4A	My	.009	2.5
123	MP4A	Mz	-.01	2.5
124	MP4A	Y	-20.363	3.5
125	MP4A	My	.009	3.5
126	MP4A	Mz	-.01	3.5
127	MP4B	Y	-20.363	2.5
128	MP4B	My	.002	2.5
129	MP4B	Mz	.013	2.5
130	MP4B	Y	-20.363	3.5
131	MP4B	My	.002	3.5
132	MP4B	Mz	.013	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	3
2	MP2A	Z	-73.903	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	.032	3
4	MP2A	X	0	5
5	MP2A	Z	-73.903	5
6	MP2A	Mx	.032	5
7	MP2B	X	0	3
8	MP2B	Z	-96.912	3
9	MP2B	Mx	.011	3
10	MP2B	X	0	5
11	MP2B	Z	-96.912	5
12	MP2B	Mx	.011	5
13	MP4C	X	0	3
14	MP4C	Z	-53.668	3
15	MP4C	Mx	-.031	3
16	MP4C	X	0	5
17	MP4C	Z	-53.668	5
18	MP4C	Mx	-.031	5
19	MP1A	X	0	.75
20	MP1A	Z	-194.97	.75
21	MP1A	Mx	.141	.75
22	MP1A	X	0	3.5
23	MP1A	Z	-194.97	3.5
24	MP1A	Mx	.141	3.5
25	MP1B	X	0	.75
26	MP1B	Z	-198.935	.75
27	MP1B	Mx	.112	.75
28	MP1B	X	0	3.5
29	MP1B	Z	-198.935	3.5
30	MP1B	Mx	.112	3.5
31	MP1C	X	0	.75
32	MP1C	Z	-186.787	.75
33	MP1C	Mx	-.182	.75
34	MP1C	X	0	3.5
35	MP1C	Z	-186.787	3.5
36	MP1C	Mx	-.182	3.5
37	MP3A	X	0	.75
38	MP3A	Z	-194.97	.75
39	MP3A	Mx	.141	.75
40	MP3A	X	0	3.5
41	MP3A	Z	-194.97	3.5
42	MP3A	Mx	.141	3.5
43	MP3B	X	0	.75
44	MP3B	Z	-198.935	.75
45	MP3B	Mx	.112	.75
46	MP3B	X	0	3.5
47	MP3B	Z	-198.935	3.5
48	MP3B	Mx	.112	3.5
49	MP5C	X	0	.75
50	MP5C	Z	-186.787	.75
51	MP5C	Mx	-.182	.75
52	MP5C	X	0	3.5
53	MP5C	Z	-186.787	3.5
54	MP5C	Mx	-.182	3.5
55	MP3C	X	0	2
56	MP3C	Z	-143.096	2
57	MP3C	Mx	-.172	2
58	MP3C	X	0	6
59	MP3C	Z	-143.096	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP3C	Mx	-.172	6
61	MP3C	X	0	2
62	MP3C	Z	-143.096	2
63	MP3C	Mx	-.065	2
64	MP3C	X	0	6
65	MP3C	Z	-143.096	6
66	MP3C	Mx	-.065	6
67	MP5B	X	0	2
68	MP5B	Z	-235.583	2
69	MP5B	Mx	-.135	2
70	MP5B	X	0	6
71	MP5B	Z	-235.583	6
72	MP5B	Mx	-.135	6
73	MP5B	X	0	2
74	MP5B	Z	-235.583	2
75	MP5B	Mx	.213	2
76	MP5B	X	0	6
77	MP5B	Z	-235.583	6
78	MP5B	Mx	.213	6
79	MP5A	X	0	2
80	MP5A	Z	-145.955	2
81	MP5A	Mx	.155	2
82	MP5A	X	0	6
83	MP5A	Z	-145.955	6
84	MP5A	Mx	.155	6
85	MP5A	X	0	2
86	MP5A	Z	-145.955	2
87	MP5A	Mx	.025	2
88	MP5A	X	0	6
89	MP5A	Z	-145.955	6
90	MP5A	Mx	.025	6
91	OVP	X	0	.5
92	OVP	Z	-76.927	.5
93	OVP	Mx	-.039	.5
94	OVP	X	0	2.5
95	OVP	Z	-76.927	2.5
96	OVP	Mx	-.039	2.5
97	MP2C	X	0	1
98	MP2C	Z	-38.887	1
99	MP2C	Mx	.026	1
100	MP2C	X	0	2
101	MP2C	Z	-38.887	2
102	MP2C	Mx	.026	2
103	MP4A	X	0	1
104	MP4A	Z	-33.898	1
105	MP4A	Mx	-.017	1
106	MP4A	X	0	2
107	MP4A	Z	-33.898	2
108	MP4A	Mx	-.017	2
109	MP4B	X	0	1
110	MP4B	Z	-38.887	1
111	MP4B	Mx	.026	1
112	MP4B	X	0	2
113	MP4B	Z	-38.887	2
114	MP4B	Mx	.026	2
115	MP2C	X	0	2.5
116	MP2C	Z	-25.77	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP2C	Mx	-.009	2.5
118	MP2C	X	0	3.5
119	MP2C	Z	-25.77	3.5
120	MP2C	Mx	-.009	3.5
121	MP4A	X	0	2.5
122	MP4A	Z	-31.837	2.5
123	MP4A	Mx	.016	2.5
124	MP4A	X	0	3.5
125	MP4A	Z	-31.837	3.5
126	MP4A	Mx	.016	3.5
127	MP4B	X	0	2.5
128	MP4B	Z	-38.736	2.5
129	MP4B	Mx	-.025	2.5
130	MP4B	X	0	3.5
131	MP4B	Z	-38.736	3.5
132	MP4B	Mx	-.025	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	48.456	3
2	MP2A	Z	-83.928	3
3	MP2A	Mx	.011	3
4	MP2A	X	48.456	5
5	MP2A	Z	-83.928	5
6	MP2A	Mx	.011	5
7	MP2B	X	36.951	3
8	MP2B	Z	-64.001	3
9	MP2B	Mx	.032	3
10	MP2B	X	36.951	5
11	MP2B	Z	-64.001	5
12	MP2B	Mx	.032	5
13	MP4C	X	41.853	3
14	MP4C	Z	-72.491	3
15	MP4C	Mx	-.028	3
16	MP4C	X	41.853	5
17	MP4C	Z	-72.491	5
18	MP4C	Mx	-.028	5
19	MP1A	X	102.138	.75
20	MP1A	Z	-176.908	.75
21	MP1A	Mx	.04	.75
22	MP1A	X	102.138	3.5
23	MP1A	Z	-176.908	3.5
24	MP1A	Mx	.04	3.5
25	MP1B	X	93.393	.75
26	MP1B	Z	-161.762	.75
27	MP1B	Mx	.182	.75
28	MP1B	X	93.393	3.5
29	MP1B	Z	-161.762	3.5
30	MP1B	Mx	.182	3.5
31	MP1C	X	99.467	.75
32	MP1C	Z	-172.282	.75
33	MP1C	Mx	-.112	.75
34	MP1C	X	99.467	3.5
35	MP1C	Z	-172.282	3.5
36	MP1C	Mx	-.112	3.5
37	MP3A	X	102.138	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3A	Z	-176.908	.75
39	MP3A	Mx	.04	.75
40	MP3A	X	102.138	3.5
41	MP3A	Z	-176.908	3.5
42	MP3A	Mx	.04	3.5
43	MP3B	X	93.393	.75
44	MP3B	Z	-161.762	.75
45	MP3B	Mx	.182	.75
46	MP3B	X	93.393	3.5
47	MP3B	Z	-161.762	3.5
48	MP3B	Mx	.182	3.5
49	MP5C	X	99.467	.75
50	MP5C	Z	-172.282	.75
51	MP5C	Mx	-.112	.75
52	MP5C	X	99.467	3.5
53	MP5C	Z	-172.282	3.5
54	MP5C	Mx	-.112	3.5
55	MP3C	X	103.668	2
56	MP3C	Z	-179.559	2
57	MP3C	Mx	-.234	2
58	MP3C	X	103.668	6
59	MP3C	Z	-179.559	6
60	MP3C	Mx	-.234	6
61	MP3C	X	103.668	2
62	MP3C	Z	-179.559	2
63	MP3C	Mx	.035	2
64	MP3C	X	103.668	6
65	MP3C	Z	-179.559	6
66	MP3C	Mx	.035	6
67	MP5B	X	93.186	2
68	MP5B	Z	-161.403	2
69	MP5B	Mx	.008	2
70	MP5B	X	93.186	6
71	MP5B	Z	-161.403	6
72	MP5B	Mx	.008	6
73	MP5B	X	93.186	2
74	MP5B	Z	-161.403	2
75	MP5B	Mx	.222	2
76	MP5B	X	93.186	6
77	MP5B	Z	-161.403	6
78	MP5B	Mx	.222	6
79	MP5A	X	83.993	2
80	MP5A	Z	-145.48	2
81	MP5A	Mx	.124	2
82	MP5A	X	83.993	6
83	MP5A	Z	-145.48	6
84	MP5A	Mx	.124	6
85	MP5A	X	83.993	2
86	MP5A	Z	-145.48	2
87	MP5A	Mx	-.069	2
88	MP5A	X	83.993	6
89	MP5A	Z	-145.48	6
90	MP5A	Mx	-.069	6
91	OVP	X	42.335	.5
92	OVP	Z	-73.327	.5
93	OVP	Mx	-.056	.5
94	OVP	X	42.335	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	OVP	Z	-73.327	2.5
96	OVP	Mx	-.056	2.5
97	MP2C	X	16.949	1
98	MP2C	Z	-29.357	1
99	MP2C	Mx	.017	1
100	MP2C	X	16.949	2
101	MP2C	Z	-29.357	2
102	MP2C	Mx	.017	2
103	MP4A	X	19.443	1
104	MP4A	Z	-33.677	1
105	MP4A	Mx	-.026	1
106	MP4A	X	19.443	2
107	MP4A	Z	-33.677	2
108	MP4A	Mx	-.026	2
109	MP4B	X	16.949	1
110	MP4B	Z	-29.357	1
111	MP4B	Mx	.017	1
112	MP4B	X	16.949	2
113	MP4B	Z	-29.357	2
114	MP4B	Mx	.017	2
115	MP2C	X	17.388	2.5
116	MP2C	Z	-30.117	2.5
117	MP2C	Mx	-.02	2.5
118	MP2C	X	17.388	3.5
119	MP2C	Z	-30.117	3.5
120	MP2C	Mx	-.02	3.5
121	MP4A	X	19.368	2.5
122	MP4A	Z	-33.547	2.5
123	MP4A	Mx	.025	2.5
124	MP4A	X	19.368	3.5
125	MP4A	Z	-33.547	3.5
126	MP4A	Mx	.025	3.5
127	MP4B	X	15.919	2.5
128	MP4B	Z	-27.572	2.5
129	MP4B	Mx	-.016	2.5
130	MP4B	X	15.919	3.5
131	MP4B	Z	-27.572	3.5
132	MP4B	Mx	-.016	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	79.411	3
2	MP2A	Z	-45.848	3
3	MP2A	Mx	-.021	3
4	MP2A	X	79.411	5
5	MP2A	Z	-45.848	5
6	MP2A	Mx	-.021	5
7	MP2B	X	39.558	3
8	MP2B	Z	-22.839	3
9	MP2B	Mx	.029	3
10	MP2B	X	39.558	5
11	MP2B	Z	-22.839	5
12	MP2B	Mx	.029	5
13	MP4C	X	85.497	3
14	MP4C	Z	-49.362	3
15	MP4C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP4C	X	85.497	5
17	MP4C	Z	-49.362	5
18	MP4C	Mx	0	5
19	MP1A	X	175.081	.75
20	MP1A	Z	-101.083	.75
21	MP1A	Mx	-.078	.75
22	MP1A	X	175.081	3.5
23	MP1A	Z	-101.083	3.5
24	MP1A	Mx	-.078	3.5
25	MP1B	X	156.502	.75
26	MP1B	Z	-90.356	.75
27	MP1B	Mx	.203	.75
28	MP1B	X	156.502	3.5
29	MP1B	Z	-90.356	3.5
30	MP1B	Mx	.203	3.5
31	MP1C	X	177.543	.75
32	MP1C	Z	-102.504	.75
33	MP1C	Mx	0	.75
34	MP1C	X	177.543	3.5
35	MP1C	Z	-102.504	3.5
36	MP1C	Mx	0	3.5
37	MP3A	X	175.081	.75
38	MP3A	Z	-101.083	.75
39	MP3A	Mx	-.078	.75
40	MP3A	X	175.081	3.5
41	MP3A	Z	-101.083	3.5
42	MP3A	Mx	-.078	3.5
43	MP3B	X	156.502	.75
44	MP3B	Z	-90.356	.75
45	MP3B	Mx	.203	.75
46	MP3B	X	156.502	3.5
47	MP3B	Z	-90.356	3.5
48	MP3B	Mx	.203	3.5
49	MP5C	X	177.543	.75
50	MP5C	Z	-102.504	.75
51	MP5C	Mx	0	.75
52	MP5C	X	177.543	3.5
53	MP5C	Z	-102.504	3.5
54	MP5C	Mx	0	3.5
55	MP3C	X	207.376	2
56	MP3C	Z	-119.728	2
57	MP3C	Mx	-.18	2
58	MP3C	X	207.376	6
59	MP3C	Z	-119.728	6
60	MP3C	Mx	-.18	6
61	MP3C	X	207.376	2
62	MP3C	Z	-119.728	2
63	MP3C	Mx	.18	2
64	MP3C	X	207.376	6
65	MP3C	Z	-119.728	6
66	MP3C	Mx	.18	6
67	MP5B	X	109.124	2
68	MP5B	Z	-63.003	2
69	MP5B	Mx	.081	2
70	MP5B	X	109.124	6
71	MP5B	Z	-63.003	6
72	MP5B	Mx	.081	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP5B	X	109.124	2
74	MP5B	Z	-63.003	2
75	MP5B	Mx	.146	2
76	MP5B	X	109.124	6
77	MP5B	Z	-63.003	6
78	MP5B	Mx	.146	6
79	MP5A	X	141.155	2
80	MP5A	Z	-81.496	2
81	MP5A	Mx	.036	2
82	MP5A	X	141.155	6
83	MP5A	Z	-81.496	6
84	MP5A	Mx	.036	6
85	MP5A	X	141.155	2
86	MP5A	Z	-81.496	2
87	MP5A	Mx	-.143	2
88	MP5A	X	141.155	6
89	MP5A	Z	-81.496	6
90	MP5A	Mx	-.143	6
91	OVP	X	71.807	.5
92	OVP	Z	-41.458	.5
93	OVP	Mx	-.052	.5
94	OVP	X	71.807	2.5
95	OVP	Z	-41.458	2.5
96	OVP	Mx	-.052	2.5
97	MP2C	X	24.058	1
98	MP2C	Z	-13.89	1
99	MP2C	Mx	.006	1
100	MP2C	X	24.058	2
101	MP2C	Z	-13.89	2
102	MP2C	Mx	.006	2
103	MP4A	X	32.698	1
104	MP4A	Z	-18.878	1
105	MP4A	Mx	-.024	1
106	MP4A	X	32.698	2
107	MP4A	Z	-18.878	2
108	MP4A	Mx	-.024	2
109	MP4B	X	24.058	1
110	MP4B	Z	-13.89	1
111	MP4B	Mx	.006	1
112	MP4B	X	24.058	2
113	MP4B	Z	-13.89	2
114	MP4B	Mx	.006	2
115	MP2C	X	34.017	2.5
116	MP2C	Z	-19.64	2.5
117	MP2C	Mx	-.026	2.5
118	MP2C	X	34.017	3.5
119	MP2C	Z	-19.64	3.5
120	MP2C	Mx	-.026	3.5
121	MP4A	X	32.192	2.5
122	MP4A	Z	-18.586	2.5
123	MP4A	Mx	.023	2.5
124	MP4A	X	32.192	3.5
125	MP4A	Z	-18.586	3.5
126	MP4A	Mx	.023	3.5
127	MP4B	X	20.243	2.5
128	MP4B	Z	-11.687	2.5
129	MP4B	Mx	-.005	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
130	MP4B	X	20.243	3.5
131	MP4B	Z	-11.687	3.5
132	MP4B	Mx	-.005	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	63.471	3
2	MP2A	Z	0	3
3	MP2A	Mx	-.032	3
4	MP2A	X	63.471	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.032	5
7	MP2B	X	40.461	3
8	MP2B	Z	0	3
9	MP2B	Mx	.027	3
10	MP2B	X	40.461	5
11	MP2B	Z	0	5
12	MP2B	Mx	.027	5
13	MP4C	X	83.705	3
14	MP4C	Z	0	3
15	MP4C	Mx	.028	3
16	MP4C	X	83.705	5
17	MP4C	Z	0	5
18	MP4C	Mx	.028	5
19	MP1A	X	190.751	.75
20	MP1A	Z	0	.75
21	MP1A	Mx	-.164	.75
22	MP1A	X	190.751	3.5
23	MP1A	Z	0	3.5
24	MP1A	Mx	-.164	3.5
25	MP1B	X	186.787	.75
26	MP1B	Z	0	.75
27	MP1B	Mx	.182	.75
28	MP1B	X	186.787	3.5
29	MP1B	Z	0	3.5
30	MP1B	Mx	.182	3.5
31	MP1C	X	198.935	.75
32	MP1C	Z	0	.75
33	MP1C	Mx	.112	.75
34	MP1C	X	198.935	3.5
35	MP1C	Z	0	3.5
36	MP1C	Mx	.112	3.5
37	MP3A	X	190.751	.75
38	MP3A	Z	0	.75
39	MP3A	Mx	-.164	.75
40	MP3A	X	190.751	3.5
41	MP3A	Z	0	3.5
42	MP3A	Mx	-.164	3.5
43	MP3B	X	186.787	.75
44	MP3B	Z	0	.75
45	MP3B	Mx	.182	.75
46	MP3B	X	186.787	3.5
47	MP3B	Z	0	3.5
48	MP3B	Mx	.182	3.5
49	MP5C	X	198.935	.75
50	MP5C	Z	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP5C	Mx	.112	.75
52	MP5C	X	198.935	3.5
53	MP5C	Z	0	3.5
54	MP5C	Mx	.112	3.5
55	MP3C	X	207.337	2
56	MP3C	Z	0	2
57	MP3C	Mx	-.035	2
58	MP3C	X	207.337	6
59	MP3C	Z	0	6
60	MP3C	Mx	-.035	6
61	MP3C	X	207.337	2
62	MP3C	Z	0	2
63	MP3C	Mx	.234	2
64	MP3C	X	207.337	6
65	MP3C	Z	0	6
66	MP3C	Mx	.234	6
67	MP5B	X	114.85	2
68	MP5B	Z	0	2
69	MP5B	Mx	.123	2
70	MP5B	X	114.85	6
71	MP5B	Z	0	6
72	MP5B	Mx	.123	6
73	MP5B	X	114.85	2
74	MP5B	Z	0	2
75	MP5B	Mx	.093	2
76	MP5B	X	114.85	6
77	MP5B	Z	0	6
78	MP5B	Mx	.093	6
79	MP5A	X	135.967	2
80	MP5A	Z	0	2
81	MP5A	Mx	-.049	2
82	MP5A	X	135.967	6
83	MP5A	Z	0	6
84	MP5A	Mx	-.049	6
85	MP5A	X	135.967	2
86	MP5A	Z	0	2
87	MP5A	Mx	-.151	2
88	MP5A	X	135.967	6
89	MP5A	Z	0	6
90	MP5A	Mx	-.151	6
91	OVP	X	73.416	.5
92	OVP	Z	0	.5
93	OVP	Mx	-.031	.5
94	OVP	X	73.416	2.5
95	OVP	Z	0	2.5
96	OVP	Mx	-.031	2.5
97	MP2C	X	26.649	1
98	MP2C	Z	0	1
99	MP2C	Mx	-.003	1
100	MP2C	X	26.649	2
101	MP2C	Z	0	2
102	MP2C	Mx	-.003	2
103	MP4A	X	31.637	1
104	MP4A	Z	0	1
105	MP4A	Mx	-.014	1
106	MP4A	X	31.637	2
107	MP4A	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP4A	Mx	-.014	2
109	MP4B	X	26.649	1
110	MP4B	Z	0	1
111	MP4B	Mx	-.003	1
112	MP4B	X	26.649	2
113	MP4B	Z	0	2
114	MP4B	Mx	-.003	2
115	MP2C	X	34.776	2.5
116	MP2C	Z	0	2.5
117	MP2C	Mx	-.02	2.5
118	MP2C	X	34.776	3.5
119	MP2C	Z	0	3.5
120	MP2C	Mx	-.02	3.5
121	MP4A	X	28.71	2.5
122	MP4A	Z	0	2.5
123	MP4A	Mx	.012	2.5
124	MP4A	X	28.71	3.5
125	MP4A	Z	0	3.5
126	MP4A	Mx	.012	3.5
127	MP4B	X	21.811	2.5
128	MP4B	Z	0	2.5
129	MP4B	Mx	.003	2.5
130	MP4B	X	21.811	3.5
131	MP4B	Z	0	3.5
132	MP4B	Mx	.003	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	35.041	3
2	MP2A	Z	20.231	3
3	MP2A	Mx	-.027	3
4	MP2A	X	35.041	5
5	MP2A	Z	20.231	5
6	MP2A	Mx	-.027	5
7	MP2B	X	54.967	3
8	MP2B	Z	31.735	3
9	MP2B	Mx	.032	3
10	MP2B	X	54.967	5
11	MP2B	Z	31.735	5
12	MP2B	Mx	.032	5
13	MP4C	X	46.478	3
14	MP4C	Z	26.834	3
15	MP4C	Mx	.031	3
16	MP4C	X	46.478	5
17	MP4C	Z	26.834	5
18	MP4C	Mx	.031	5
19	MP1A	X	157.136	.75
20	MP1A	Z	90.723	.75
21	MP1A	Mx	-.201	.75
22	MP1A	X	157.136	3.5
23	MP1A	Z	90.723	3.5
24	MP1A	Mx	-.201	3.5
25	MP1B	X	172.282	.75
26	MP1B	Z	99.467	.75
27	MP1B	Mx	.112	.75
28	MP1B	X	172.282	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP1B	Z	99.467	3.5
30	MP1B	Mx	.112	3.5
31	MP1C	X	161.762	.75
32	MP1C	Z	93.393	.75
33	MP1C	Mx	.182	.75
34	MP1C	X	161.762	3.5
35	MP1C	Z	93.393	3.5
36	MP1C	Mx	.182	3.5
37	MP3A	X	157.136	.75
38	MP3A	Z	90.723	.75
39	MP3A	Mx	-.201	.75
40	MP3A	X	157.136	3.5
41	MP3A	Z	90.723	3.5
42	MP3A	Mx	-.201	3.5
43	MP3B	X	172.282	.75
44	MP3B	Z	99.467	.75
45	MP3B	Mx	.112	.75
46	MP3B	X	172.282	3.5
47	MP3B	Z	99.467	3.5
48	MP3B	Mx	.112	3.5
49	MP5C	X	161.762	.75
50	MP5C	Z	93.393	.75
51	MP5C	Mx	.182	.75
52	MP5C	X	161.762	3.5
53	MP5C	Z	93.393	3.5
54	MP5C	Mx	.182	3.5
55	MP3C	X	123.925	2
56	MP3C	Z	71.548	2
57	MP3C	Mx	.065	2
58	MP3C	X	123.925	6
59	MP3C	Z	71.548	6
60	MP3C	Mx	.065	6
61	MP3C	X	123.925	2
62	MP3C	Z	71.548	2
63	MP3C	Mx	.172	2
64	MP3C	X	123.925	6
65	MP3C	Z	71.548	6
66	MP3C	Mx	.172	6
67	MP5B	X	142.081	2
68	MP5B	Z	82.031	2
69	MP5B	Mx	.2	2
70	MP5B	X	142.081	6
71	MP5B	Z	82.031	6
72	MP5B	Mx	.2	6
73	MP5B	X	142.081	2
74	MP5B	Z	82.031	2
75	MP5B	Mx	.041	2
76	MP5B	X	142.081	6
77	MP5B	Z	82.031	6
78	MP5B	Mx	.041	6
79	MP5A	X	98.671	2
80	MP5A	Z	56.968	2
81	MP5A	Mx	-.096	2
82	MP5A	X	98.671	6
83	MP5A	Z	56.968	6
84	MP5A	Mx	-.096	6
85	MP5A	X	98.671	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP5A	Z	56.968	2
87	MP5A	Mx	-.119	2
88	MP5A	X	98.671	6
89	MP5A	Z	56.968	6
90	MP5A	Mx	-.119	6
91	OVP	X	56.874	.5
92	OVP	Z	32.836	.5
93	OVP	Mx	-.008	.5
94	OVP	X	56.874	2.5
95	OVP	Z	32.836	2.5
96	OVP	Mx	-.008	2.5
97	MP2C	X	27.398	1
98	MP2C	Z	15.819	1
99	MP2C	Mx	-.014	1
100	MP2C	X	27.398	2
101	MP2C	Z	15.819	2
102	MP2C	Mx	-.014	2
103	MP4A	X	23.079	1
104	MP4A	Z	13.324	1
105	MP4A	Mx	-.003	1
106	MP4A	X	23.079	2
107	MP4A	Z	13.324	2
108	MP4A	Mx	-.003	2
109	MP4B	X	27.398	1
110	MP4B	Z	15.819	1
111	MP4B	Mx	-.014	1
112	MP4B	X	27.398	2
113	MP4B	Z	15.819	2
114	MP4B	Mx	-.014	2
115	MP2C	X	22.318	2.5
116	MP2C	Z	12.885	2.5
117	MP2C	Mx	-.009	2.5
118	MP2C	X	22.318	3.5
119	MP2C	Z	12.885	3.5
120	MP2C	Mx	-.009	3.5
121	MP4A	X	18.889	2.5
122	MP4A	Z	10.905	2.5
123	MP4A	Mx	.003	2.5
124	MP4A	X	18.889	3.5
125	MP4A	Z	10.905	3.5
126	MP4A	Mx	.003	3.5
127	MP4B	X	24.863	2.5
128	MP4B	Z	14.355	2.5
129	MP4B	Mx	.012	2.5
130	MP4B	X	24.863	3.5
131	MP4B	Z	14.355	3.5
132	MP4B	Mx	.012	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	22.839	3
2	MP2A	Z	39.558	3
3	MP2A	Mx	-.029	3
4	MP2A	X	22.839	5
5	MP2A	Z	39.558	5
6	MP2A	Mx	-.029	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	X	45.848	3
8	MP2B	Z	79.411	3
9	MP2B	Mx	.021	3
10	MP2B	X	45.848	5
11	MP2B	Z	79.411	5
12	MP2B	Mx	.021	5
13	MP4C	X	19.325	3
14	MP4C	Z	33.472	3
15	MP4C	Mx	.026	3
16	MP4C	X	19.325	5
17	MP4C	Z	33.472	5
18	MP4C	Mx	.026	5
19	MP1A	X	91.777	.75
20	MP1A	Z	158.963	.75
21	MP1A	Mx	-.194	.75
22	MP1A	X	91.777	3.5
23	MP1A	Z	158.963	3.5
24	MP1A	Mx	-.194	3.5
25	MP1B	X	102.504	.75
26	MP1B	Z	177.543	.75
27	MP1B	Mx	0	.75
28	MP1B	X	102.504	3.5
29	MP1B	Z	177.543	3.5
30	MP1B	Mx	0	3.5
31	MP1C	X	90.356	.75
32	MP1C	Z	156.502	.75
33	MP1C	Mx	.203	.75
34	MP1C	X	90.356	3.5
35	MP1C	Z	156.502	3.5
36	MP1C	Mx	.203	3.5
37	MP3A	X	91.777	.75
38	MP3A	Z	158.963	.75
39	MP3A	Mx	-.194	.75
40	MP3A	X	91.777	3.5
41	MP3A	Z	158.963	3.5
42	MP3A	Mx	-.194	3.5
43	MP3B	X	102.504	.75
44	MP3B	Z	177.543	.75
45	MP3B	Mx	0	.75
46	MP3B	X	102.504	3.5
47	MP3B	Z	177.543	3.5
48	MP3B	Mx	0	3.5
49	MP5C	X	90.356	.75
50	MP5C	Z	156.502	.75
51	MP5C	Mx	.203	.75
52	MP5C	X	90.356	3.5
53	MP5C	Z	156.502	3.5
54	MP5C	Mx	.203	3.5
55	MP3C	X	55.488	2
56	MP3C	Z	96.108	2
57	MP3C	Mx	.106	2
58	MP3C	X	55.488	6
59	MP3C	Z	96.108	6
60	MP3C	Mx	.106	6
61	MP3C	X	55.488	2
62	MP3C	Z	96.108	2
63	MP3C	Mx	.106	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP3C	X	55.488	6
65	MP3C	Z	96.108	6
66	MP3C	Mx	.106	6
67	MP5B	X	112.214	2
68	MP5B	Z	194.36	2
69	MP5B	Mx	.232	2
70	MP5B	X	112.214	6
71	MP5B	Z	194.36	6
72	MP5B	Mx	.232	6
73	MP5B	X	112.214	2
74	MP5B	Z	194.36	2
75	MP5B	Mx	-.085	2
76	MP5B	X	112.214	6
77	MP5B	Z	194.36	6
78	MP5B	Mx	-.085	6
79	MP5A	X	59.465	2
80	MP5A	Z	102.996	2
81	MP5A	Mx	-.131	2
82	MP5A	X	59.465	6
83	MP5A	Z	102.996	6
84	MP5A	Mx	-.131	6
85	MP5A	X	59.465	2
86	MP5A	Z	102.996	2
87	MP5A	Mx	-.083	2
88	MP5A	X	59.465	6
89	MP5A	Z	102.996	6
90	MP5A	Mx	-.083	6
91	OVP	X	33.714	.5
92	OVP	Z	58.394	.5
93	OVP	Mx	.015	.5
94	OVP	X	33.714	2.5
95	OVP	Z	58.394	2.5
96	OVP	Mx	.015	2.5
97	MP2C	X	18.878	1
98	MP2C	Z	32.698	1
99	MP2C	Mx	-.024	1
100	MP2C	X	18.878	2
101	MP2C	Z	32.698	2
102	MP2C	Mx	-.024	2
103	MP4A	X	13.89	1
104	MP4A	Z	24.058	1
105	MP4A	Mx	.006	1
106	MP4A	X	13.89	2
107	MP4A	Z	24.058	2
108	MP4A	Mx	.006	2
109	MP4B	X	18.878	1
110	MP4B	Z	32.698	1
111	MP4B	Mx	-.024	1
112	MP4B	X	18.878	2
113	MP4B	Z	32.698	2
114	MP4B	Mx	-.024	2
115	MP2C	X	10.634	2.5
116	MP2C	Z	18.418	2.5
117	MP2C	Mx	0	2.5
118	MP2C	X	10.634	3.5
119	MP2C	Z	18.418	3.5
120	MP2C	Mx	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
121	MP4A	X	11.687	2.5
122	MP4A	Z	20.243	2.5
123	MP4A	Mx	-.005	2.5
124	MP4A	X	11.687	3.5
125	MP4A	Z	20.243	3.5
126	MP4A	Mx	-.005	3.5
127	MP4B	X	18.586	2.5
128	MP4B	Z	32.192	2.5
129	MP4B	Mx	.023	2.5
130	MP4B	X	18.586	3.5
131	MP4B	Z	32.192	3.5
132	MP4B	Mx	.023	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	3
2	MP2A	Z	73.903	3
3	MP2A	Mx	-.032	3
4	MP2A	X	0	5
5	MP2A	Z	73.903	5
6	MP2A	Mx	-.032	5
7	MP2B	X	0	3
8	MP2B	Z	96.912	3
9	MP2B	Mx	-.011	3
10	MP2B	X	0	5
11	MP2B	Z	96.912	5
12	MP2B	Mx	-.011	5
13	MP4C	X	0	3
14	MP4C	Z	53.668	3
15	MP4C	Mx	.031	3
16	MP4C	X	0	5
17	MP4C	Z	53.668	5
18	MP4C	Mx	.031	5
19	MP1A	X	0	.75
20	MP1A	Z	194.97	.75
21	MP1A	Mx	-.141	.75
22	MP1A	X	0	3.5
23	MP1A	Z	194.97	3.5
24	MP1A	Mx	-.141	3.5
25	MP1B	X	0	.75
26	MP1B	Z	198.935	.75
27	MP1B	Mx	-.112	.75
28	MP1B	X	0	3.5
29	MP1B	Z	198.935	3.5
30	MP1B	Mx	-.112	3.5
31	MP1C	X	0	.75
32	MP1C	Z	186.787	.75
33	MP1C	Mx	.182	.75
34	MP1C	X	0	3.5
35	MP1C	Z	186.787	3.5
36	MP1C	Mx	.182	3.5
37	MP3A	X	0	.75
38	MP3A	Z	194.97	.75
39	MP3A	Mx	-.141	.75
40	MP3A	X	0	3.5
41	MP3A	Z	194.97	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP3A	Mx	-.141	3.5
43	MP3B	X	0	.75
44	MP3B	Z	198.935	.75
45	MP3B	Mx	-.112	.75
46	MP3B	X	0	3.5
47	MP3B	Z	198.935	3.5
48	MP3B	Mx	-.112	3.5
49	MP5C	X	0	.75
50	MP5C	Z	186.787	.75
51	MP5C	Mx	.182	.75
52	MP5C	X	0	3.5
53	MP5C	Z	186.787	3.5
54	MP5C	Mx	.182	3.5
55	MP3C	X	0	2
56	MP3C	Z	143.096	2
57	MP3C	Mx	.172	2
58	MP3C	X	0	6
59	MP3C	Z	143.096	6
60	MP3C	Mx	.172	6
61	MP3C	X	0	2
62	MP3C	Z	143.096	2
63	MP3C	Mx	.065	2
64	MP3C	X	0	6
65	MP3C	Z	143.096	6
66	MP3C	Mx	.065	6
67	MP5B	X	0	2
68	MP5B	Z	235.583	2
69	MP5B	Mx	.135	2
70	MP5B	X	0	6
71	MP5B	Z	235.583	6
72	MP5B	Mx	.135	6
73	MP5B	X	0	2
74	MP5B	Z	235.583	2
75	MP5B	Mx	-.213	2
76	MP5B	X	0	6
77	MP5B	Z	235.583	6
78	MP5B	Mx	-.213	6
79	MP5A	X	0	2
80	MP5A	Z	145.955	2
81	MP5A	Mx	-.155	2
82	MP5A	X	0	6
83	MP5A	Z	145.955	6
84	MP5A	Mx	-.155	6
85	MP5A	X	0	2
86	MP5A	Z	145.955	2
87	MP5A	Mx	-.025	2
88	MP5A	X	0	6
89	MP5A	Z	145.955	6
90	MP5A	Mx	-.025	6
91	OVP	X	0	.5
92	OVP	Z	76.927	.5
93	OVP	Mx	.039	.5
94	OVP	X	0	2.5
95	OVP	Z	76.927	2.5
96	OVP	Mx	.039	2.5
97	MP2C	X	0	1
98	MP2C	Z	38.887	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	MP2C	Mx	-.026	1
100	MP2C	X	0	2
101	MP2C	Z	38.887	2
102	MP2C	Mx	-.026	2
103	MP4A	X	0	1
104	MP4A	Z	33.898	1
105	MP4A	Mx	.017	1
106	MP4A	X	0	2
107	MP4A	Z	33.898	2
108	MP4A	Mx	.017	2
109	MP4B	X	0	1
110	MP4B	Z	38.887	1
111	MP4B	Mx	-.026	1
112	MP4B	X	0	2
113	MP4B	Z	38.887	2
114	MP4B	Mx	-.026	2
115	MP2C	X	0	2.5
116	MP2C	Z	25.77	2.5
117	MP2C	Mx	.009	2.5
118	MP2C	X	0	3.5
119	MP2C	Z	25.77	3.5
120	MP2C	Mx	.009	3.5
121	MP4A	X	0	2.5
122	MP4A	Z	31.837	2.5
123	MP4A	Mx	-.016	2.5
124	MP4A	X	0	3.5
125	MP4A	Z	31.837	3.5
126	MP4A	Mx	-.016	3.5
127	MP4B	X	0	2.5
128	MP4B	Z	38.736	2.5
129	MP4B	Mx	.025	2.5
130	MP4B	X	0	3.5
131	MP4B	Z	38.736	3.5
132	MP4B	Mx	.025	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-48.456	3
2	MP2A	Z	83.928	3
3	MP2A	Mx	-.011	3
4	MP2A	X	-48.456	5
5	MP2A	Z	83.928	5
6	MP2A	Mx	-.011	5
7	MP2B	X	-36.951	3
8	MP2B	Z	64.001	3
9	MP2B	Mx	-.032	3
10	MP2B	X	-36.951	5
11	MP2B	Z	64.001	5
12	MP2B	Mx	-.032	5
13	MP4C	X	-41.853	3
14	MP4C	Z	72.491	3
15	MP4C	Mx	.028	3
16	MP4C	X	-41.853	5
17	MP4C	Z	72.491	5
18	MP4C	Mx	.028	5
19	MP1A	X	-102.138	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP1A	Z	176.908	.75
21	MP1A	Mx	-.04	.75
22	MP1A	X	-102.138	3.5
23	MP1A	Z	176.908	3.5
24	MP1A	Mx	-.04	3.5
25	MP1B	X	-93.393	.75
26	MP1B	Z	161.762	.75
27	MP1B	Mx	-.182	.75
28	MP1B	X	-93.393	3.5
29	MP1B	Z	161.762	3.5
30	MP1B	Mx	-.182	3.5
31	MP1C	X	-99.467	.75
32	MP1C	Z	172.282	.75
33	MP1C	Mx	.112	.75
34	MP1C	X	-99.467	3.5
35	MP1C	Z	172.282	3.5
36	MP1C	Mx	.112	3.5
37	MP3A	X	-102.138	.75
38	MP3A	Z	176.908	.75
39	MP3A	Mx	-.04	.75
40	MP3A	X	-102.138	3.5
41	MP3A	Z	176.908	3.5
42	MP3A	Mx	-.04	3.5
43	MP3B	X	-93.393	.75
44	MP3B	Z	161.762	.75
45	MP3B	Mx	-.182	.75
46	MP3B	X	-93.393	3.5
47	MP3B	Z	161.762	3.5
48	MP3B	Mx	-.182	3.5
49	MP5C	X	-99.467	.75
50	MP5C	Z	172.282	.75
51	MP5C	Mx	.112	.75
52	MP5C	X	-99.467	3.5
53	MP5C	Z	172.282	3.5
54	MP5C	Mx	.112	3.5
55	MP3C	X	-103.668	2
56	MP3C	Z	179.559	2
57	MP3C	Mx	.234	2
58	MP3C	X	-103.668	6
59	MP3C	Z	179.559	6
60	MP3C	Mx	.234	6
61	MP3C	X	-103.668	2
62	MP3C	Z	179.559	2
63	MP3C	Mx	-.035	2
64	MP3C	X	-103.668	6
65	MP3C	Z	179.559	6
66	MP3C	Mx	-.035	6
67	MP5B	X	-93.186	2
68	MP5B	Z	161.403	2
69	MP5B	Mx	-.008	2
70	MP5B	X	-93.186	6
71	MP5B	Z	161.403	6
72	MP5B	Mx	-.008	6
73	MP5B	X	-93.186	2
74	MP5B	Z	161.403	2
75	MP5B	Mx	-.222	2
76	MP5B	X	-93.186	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP5B	Z	161.403	6
78	MP5B	Mx	-.222	6
79	MP5A	X	-83.993	2
80	MP5A	Z	145.48	2
81	MP5A	Mx	-.124	2
82	MP5A	X	-83.993	6
83	MP5A	Z	145.48	6
84	MP5A	Mx	-.124	6
85	MP5A	X	-83.993	2
86	MP5A	Z	145.48	2
87	MP5A	Mx	.069	2
88	MP5A	X	-83.993	6
89	MP5A	Z	145.48	6
90	MP5A	Mx	.069	6
91	OVP	X	-42.335	.5
92	OVP	Z	73.327	.5
93	OVP	Mx	.056	.5
94	OVP	X	-42.335	2.5
95	OVP	Z	73.327	2.5
96	OVP	Mx	.056	2.5
97	MP2C	X	-16.949	1
98	MP2C	Z	29.357	1
99	MP2C	Mx	-.017	1
100	MP2C	X	-16.949	2
101	MP2C	Z	29.357	2
102	MP2C	Mx	-.017	2
103	MP4A	X	-19.443	1
104	MP4A	Z	33.677	1
105	MP4A	Mx	.026	1
106	MP4A	X	-19.443	2
107	MP4A	Z	33.677	2
108	MP4A	Mx	.026	2
109	MP4B	X	-16.949	1
110	MP4B	Z	29.357	1
111	MP4B	Mx	-.017	1
112	MP4B	X	-16.949	2
113	MP4B	Z	29.357	2
114	MP4B	Mx	-.017	2
115	MP2C	X	-17.388	2.5
116	MP2C	Z	30.117	2.5
117	MP2C	Mx	.02	2.5
118	MP2C	X	-17.388	3.5
119	MP2C	Z	30.117	3.5
120	MP2C	Mx	.02	3.5
121	MP4A	X	-19.368	2.5
122	MP4A	Z	33.547	2.5
123	MP4A	Mx	-.025	2.5
124	MP4A	X	-19.368	3.5
125	MP4A	Z	33.547	3.5
126	MP4A	Mx	-.025	3.5
127	MP4B	X	-15.919	2.5
128	MP4B	Z	27.572	2.5
129	MP4B	Mx	.016	2.5
130	MP4B	X	-15.919	3.5
131	MP4B	Z	27.572	3.5
132	MP4B	Mx	.016	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-79.411	3
2	MP2A	Z	45.848	3
3	MP2A	Mx	.021	3
4	MP2A	X	-79.411	5
5	MP2A	Z	45.848	5
6	MP2A	Mx	.021	5
7	MP2B	X	-39.558	3
8	MP2B	Z	22.839	3
9	MP2B	Mx	-.029	3
10	MP2B	X	-39.558	5
11	MP2B	Z	22.839	5
12	MP2B	Mx	-.029	5
13	MP4C	X	-85.497	3
14	MP4C	Z	49.362	3
15	MP4C	Mx	0	3
16	MP4C	X	-85.497	5
17	MP4C	Z	49.362	5
18	MP4C	Mx	0	5
19	MP1A	X	-175.081	.75
20	MP1A	Z	101.083	.75
21	MP1A	Mx	.078	.75
22	MP1A	X	-175.081	3.5
23	MP1A	Z	101.083	3.5
24	MP1A	Mx	.078	3.5
25	MP1B	X	-156.502	.75
26	MP1B	Z	90.356	.75
27	MP1B	Mx	-.203	.75
28	MP1B	X	-156.502	3.5
29	MP1B	Z	90.356	3.5
30	MP1B	Mx	-.203	3.5
31	MP1C	X	-177.543	.75
32	MP1C	Z	102.504	.75
33	MP1C	Mx	0	.75
34	MP1C	X	-177.543	3.5
35	MP1C	Z	102.504	3.5
36	MP1C	Mx	0	3.5
37	MP3A	X	-175.081	.75
38	MP3A	Z	101.083	.75
39	MP3A	Mx	.078	.75
40	MP3A	X	-175.081	3.5
41	MP3A	Z	101.083	3.5
42	MP3A	Mx	.078	3.5
43	MP3B	X	-156.502	.75
44	MP3B	Z	90.356	.75
45	MP3B	Mx	-.203	.75
46	MP3B	X	-156.502	3.5
47	MP3B	Z	90.356	3.5
48	MP3B	Mx	-.203	3.5
49	MP5C	X	-177.543	.75
50	MP5C	Z	102.504	.75
51	MP5C	Mx	0	.75
52	MP5C	X	-177.543	3.5
53	MP5C	Z	102.504	3.5
54	MP5C	Mx	0	3.5
55	MP3C	X	-207.376	2
56	MP3C	Z	119.728	2
57	MP3C	Mx	.18	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-207.376	6
59	MP3C	Z	119.728	6
60	MP3C	Mx	.18	6
61	MP3C	X	-207.376	2
62	MP3C	Z	119.728	2
63	MP3C	Mx	-.18	2
64	MP3C	X	-207.376	6
65	MP3C	Z	119.728	6
66	MP3C	Mx	-.18	6
67	MP5B	X	-109.124	2
68	MP5B	Z	63.003	2
69	MP5B	Mx	-.081	2
70	MP5B	X	-109.124	6
71	MP5B	Z	63.003	6
72	MP5B	Mx	-.081	6
73	MP5B	X	-109.124	2
74	MP5B	Z	63.003	2
75	MP5B	Mx	-.146	2
76	MP5B	X	-109.124	6
77	MP5B	Z	63.003	6
78	MP5B	Mx	-.146	6
79	MP5A	X	-141.155	2
80	MP5A	Z	81.496	2
81	MP5A	Mx	-.036	2
82	MP5A	X	-141.155	6
83	MP5A	Z	81.496	6
84	MP5A	Mx	-.036	6
85	MP5A	X	-141.155	2
86	MP5A	Z	81.496	2
87	MP5A	Mx	.143	2
88	MP5A	X	-141.155	6
89	MP5A	Z	81.496	6
90	MP5A	Mx	.143	6
91	OVP	X	-71.807	.5
92	OVP	Z	41.458	.5
93	OVP	Mx	.052	.5
94	OVP	X	-71.807	2.5
95	OVP	Z	41.458	2.5
96	OVP	Mx	.052	2.5
97	MP2C	X	-24.058	1
98	MP2C	Z	13.89	1
99	MP2C	Mx	-.006	1
100	MP2C	X	-24.058	2
101	MP2C	Z	13.89	2
102	MP2C	Mx	-.006	2
103	MP4A	X	-32.698	1
104	MP4A	Z	18.878	1
105	MP4A	Mx	.024	1
106	MP4A	X	-32.698	2
107	MP4A	Z	18.878	2
108	MP4A	Mx	.024	2
109	MP4B	X	-24.058	1
110	MP4B	Z	13.89	1
111	MP4B	Mx	-.006	1
112	MP4B	X	-24.058	2
113	MP4B	Z	13.89	2
114	MP4B	Mx	-.006	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2C	X	-34.017	2.5
116	MP2C	Z	19.64	2.5
117	MP2C	Mx	.026	2.5
118	MP2C	X	-34.017	3.5
119	MP2C	Z	19.64	3.5
120	MP2C	Mx	.026	3.5
121	MP4A	X	-32.192	2.5
122	MP4A	Z	18.586	2.5
123	MP4A	Mx	-.023	2.5
124	MP4A	X	-32.192	3.5
125	MP4A	Z	18.586	3.5
126	MP4A	Mx	-.023	3.5
127	MP4B	X	-20.243	2.5
128	MP4B	Z	11.687	2.5
129	MP4B	Mx	.005	2.5
130	MP4B	X	-20.243	3.5
131	MP4B	Z	11.687	3.5
132	MP4B	Mx	.005	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-63.471	3
2	MP2A	Z	0	3
3	MP2A	Mx	.032	3
4	MP2A	X	-63.471	5
5	MP2A	Z	0	5
6	MP2A	Mx	.032	5
7	MP2B	X	-40.461	3
8	MP2B	Z	0	3
9	MP2B	Mx	-.027	3
10	MP2B	X	-40.461	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.027	5
13	MP4C	X	-83.705	3
14	MP4C	Z	0	3
15	MP4C	Mx	-.028	3
16	MP4C	X	-83.705	5
17	MP4C	Z	0	5
18	MP4C	Mx	-.028	5
19	MP1A	X	-190.751	.75
20	MP1A	Z	0	.75
21	MP1A	Mx	.164	.75
22	MP1A	X	-190.751	3.5
23	MP1A	Z	0	3.5
24	MP1A	Mx	.164	3.5
25	MP1B	X	-186.787	.75
26	MP1B	Z	0	.75
27	MP1B	Mx	-.182	.75
28	MP1B	X	-186.787	3.5
29	MP1B	Z	0	3.5
30	MP1B	Mx	-.182	3.5
31	MP1C	X	-198.935	.75
32	MP1C	Z	0	.75
33	MP1C	Mx	-.112	.75
34	MP1C	X	-198.935	3.5
35	MP1C	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP1C	Mx	-.112	3.5
37	MP3A	X	-190.751	.75
38	MP3A	Z	0	.75
39	MP3A	Mx	.164	.75
40	MP3A	X	-190.751	3.5
41	MP3A	Z	0	3.5
42	MP3A	Mx	.164	3.5
43	MP3B	X	-186.787	.75
44	MP3B	Z	0	.75
45	MP3B	Mx	-.182	.75
46	MP3B	X	-186.787	3.5
47	MP3B	Z	0	3.5
48	MP3B	Mx	-.182	3.5
49	MP5C	X	-198.935	.75
50	MP5C	Z	0	.75
51	MP5C	Mx	-.112	.75
52	MP5C	X	-198.935	3.5
53	MP5C	Z	0	3.5
54	MP5C	Mx	-.112	3.5
55	MP3C	X	-207.337	2
56	MP3C	Z	0	2
57	MP3C	Mx	.035	2
58	MP3C	X	-207.337	6
59	MP3C	Z	0	6
60	MP3C	Mx	.035	6
61	MP3C	X	-207.337	2
62	MP3C	Z	0	2
63	MP3C	Mx	-.234	2
64	MP3C	X	-207.337	6
65	MP3C	Z	0	6
66	MP3C	Mx	-.234	6
67	MP5B	X	-114.85	2
68	MP5B	Z	0	2
69	MP5B	Mx	-.123	2
70	MP5B	X	-114.85	6
71	MP5B	Z	0	6
72	MP5B	Mx	-.123	6
73	MP5B	X	-114.85	2
74	MP5B	Z	0	2
75	MP5B	Mx	-.093	2
76	MP5B	X	-114.85	6
77	MP5B	Z	0	6
78	MP5B	Mx	-.093	6
79	MP5A	X	-135.967	2
80	MP5A	Z	0	2
81	MP5A	Mx	.049	2
82	MP5A	X	-135.967	6
83	MP5A	Z	0	6
84	MP5A	Mx	.049	6
85	MP5A	X	-135.967	2
86	MP5A	Z	0	2
87	MP5A	Mx	.151	2
88	MP5A	X	-135.967	6
89	MP5A	Z	0	6
90	MP5A	Mx	.151	6
91	OVP	X	-73.416	.5
92	OVP	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	OVP	Mx	.031	.5
94	OVP	X	-73.416	2.5
95	OVP	Z	0	2.5
96	OVP	Mx	.031	2.5
97	MP2C	X	-26.649	1
98	MP2C	Z	0	1
99	MP2C	Mx	.003	1
100	MP2C	X	-26.649	2
101	MP2C	Z	0	2
102	MP2C	Mx	.003	2
103	MP4A	X	-31.637	1
104	MP4A	Z	0	1
105	MP4A	Mx	.014	1
106	MP4A	X	-31.637	2
107	MP4A	Z	0	2
108	MP4A	Mx	.014	2
109	MP4B	X	-26.649	1
110	MP4B	Z	0	1
111	MP4B	Mx	.003	1
112	MP4B	X	-26.649	2
113	MP4B	Z	0	2
114	MP4B	Mx	.003	2
115	MP2C	X	-34.776	2.5
116	MP2C	Z	0	2.5
117	MP2C	Mx	.02	2.5
118	MP2C	X	-34.776	3.5
119	MP2C	Z	0	3.5
120	MP2C	Mx	.02	3.5
121	MP4A	X	-28.71	2.5
122	MP4A	Z	0	2.5
123	MP4A	Mx	-.012	2.5
124	MP4A	X	-28.71	3.5
125	MP4A	Z	0	3.5
126	MP4A	Mx	-.012	3.5
127	MP4B	X	-21.811	2.5
128	MP4B	Z	0	2.5
129	MP4B	Mx	-.003	2.5
130	MP4B	X	-21.811	3.5
131	MP4B	Z	0	3.5
132	MP4B	Mx	-.003	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-35.041	3
2	MP2A	Z	-20.231	3
3	MP2A	Mx	.027	3
4	MP2A	X	-35.041	5
5	MP2A	Z	-20.231	5
6	MP2A	Mx	.027	5
7	MP2B	X	-54.967	3
8	MP2B	Z	-31.735	3
9	MP2B	Mx	-.032	3
10	MP2B	X	-54.967	5
11	MP2B	Z	-31.735	5
12	MP2B	Mx	-.032	5
13	MP4C	X	-46.478	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP4C	Z	-26.834	3
15	MP4C	Mx	-.031	3
16	MP4C	X	-46.478	5
17	MP4C	Z	-26.834	5
18	MP4C	Mx	-.031	5
19	MP1A	X	-157.136	.75
20	MP1A	Z	-90.723	.75
21	MP1A	Mx	.201	.75
22	MP1A	X	-157.136	3.5
23	MP1A	Z	-90.723	3.5
24	MP1A	Mx	.201	3.5
25	MP1B	X	-172.282	.75
26	MP1B	Z	-99.467	.75
27	MP1B	Mx	-.112	.75
28	MP1B	X	-172.282	3.5
29	MP1B	Z	-99.467	3.5
30	MP1B	Mx	-.112	3.5
31	MP1C	X	-161.762	.75
32	MP1C	Z	-93.393	.75
33	MP1C	Mx	-.182	.75
34	MP1C	X	-161.762	3.5
35	MP1C	Z	-93.393	3.5
36	MP1C	Mx	-.182	3.5
37	MP3A	X	-157.136	.75
38	MP3A	Z	-90.723	.75
39	MP3A	Mx	.201	.75
40	MP3A	X	-157.136	3.5
41	MP3A	Z	-90.723	3.5
42	MP3A	Mx	.201	3.5
43	MP3B	X	-172.282	.75
44	MP3B	Z	-99.467	.75
45	MP3B	Mx	-.112	.75
46	MP3B	X	-172.282	3.5
47	MP3B	Z	-99.467	3.5
48	MP3B	Mx	-.112	3.5
49	MP5C	X	-161.762	.75
50	MP5C	Z	-93.393	.75
51	MP5C	Mx	-.182	.75
52	MP5C	X	-161.762	3.5
53	MP5C	Z	-93.393	3.5
54	MP5C	Mx	-.182	3.5
55	MP3C	X	-123.925	2
56	MP3C	Z	-71.548	2
57	MP3C	Mx	-.065	2
58	MP3C	X	-123.925	6
59	MP3C	Z	-71.548	6
60	MP3C	Mx	-.065	6
61	MP3C	X	-123.925	2
62	MP3C	Z	-71.548	2
63	MP3C	Mx	-.172	2
64	MP3C	X	-123.925	6
65	MP3C	Z	-71.548	6
66	MP3C	Mx	-.172	6
67	MP5B	X	-142.081	2
68	MP5B	Z	-82.031	2
69	MP5B	Mx	-.2	2
70	MP5B	X	-142.081	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP5B	Z	-82.031	6
72	MP5B	Mx	-.2	6
73	MP5B	X	-142.081	2
74	MP5B	Z	-82.031	2
75	MP5B	Mx	-.041	2
76	MP5B	X	-142.081	6
77	MP5B	Z	-82.031	6
78	MP5B	Mx	-.041	6
79	MP5A	X	-98.671	2
80	MP5A	Z	-56.968	2
81	MP5A	Mx	.096	2
82	MP5A	X	-98.671	6
83	MP5A	Z	-56.968	6
84	MP5A	Mx	.096	6
85	MP5A	X	-98.671	2
86	MP5A	Z	-56.968	2
87	MP5A	Mx	.119	2
88	MP5A	X	-98.671	6
89	MP5A	Z	-56.968	6
90	MP5A	Mx	.119	6
91	OVP	X	-56.874	.5
92	OVP	Z	-32.836	.5
93	OVP	Mx	.008	.5
94	OVP	X	-56.874	2.5
95	OVP	Z	-32.836	2.5
96	OVP	Mx	.008	2.5
97	MP2C	X	-27.398	1
98	MP2C	Z	-15.819	1
99	MP2C	Mx	.014	1
100	MP2C	X	-27.398	2
101	MP2C	Z	-15.819	2
102	MP2C	Mx	.014	2
103	MP4A	X	-23.079	1
104	MP4A	Z	-13.324	1
105	MP4A	Mx	.003	1
106	MP4A	X	-23.079	2
107	MP4A	Z	-13.324	2
108	MP4A	Mx	.003	2
109	MP4B	X	-27.398	1
110	MP4B	Z	-15.819	1
111	MP4B	Mx	.014	1
112	MP4B	X	-27.398	2
113	MP4B	Z	-15.819	2
114	MP4B	Mx	.014	2
115	MP2C	X	-22.318	2.5
116	MP2C	Z	-12.885	2.5
117	MP2C	Mx	.009	2.5
118	MP2C	X	-22.318	3.5
119	MP2C	Z	-12.885	3.5
120	MP2C	Mx	.009	3.5
121	MP4A	X	-18.889	2.5
122	MP4A	Z	-10.905	2.5
123	MP4A	Mx	-.003	2.5
124	MP4A	X	-18.889	3.5
125	MP4A	Z	-10.905	3.5
126	MP4A	Mx	-.003	3.5
127	MP4B	X	-24.863	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
128	MP4B	Z	-14.355	2.5
129	MP4B	Mx	-.012	2.5
130	MP4B	X	-24.863	3.5
131	MP4B	Z	-14.355	3.5
132	MP4B	Mx	-.012	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-22.839	3
2	MP2A	Z	-39.558	3
3	MP2A	Mx	.029	3
4	MP2A	X	-22.839	5
5	MP2A	Z	-39.558	5
6	MP2A	Mx	.029	5
7	MP2B	X	-45.848	3
8	MP2B	Z	-79.411	3
9	MP2B	Mx	-.021	3
10	MP2B	X	-45.848	5
11	MP2B	Z	-79.411	5
12	MP2B	Mx	-.021	5
13	MP4C	X	-19.325	3
14	MP4C	Z	-33.472	3
15	MP4C	Mx	-.026	3
16	MP4C	X	-19.325	5
17	MP4C	Z	-33.472	5
18	MP4C	Mx	-.026	5
19	MP1A	X	-91.777	.75
20	MP1A	Z	-158.963	.75
21	MP1A	Mx	.194	.75
22	MP1A	X	-91.777	3.5
23	MP1A	Z	-158.963	3.5
24	MP1A	Mx	.194	3.5
25	MP1B	X	-102.504	.75
26	MP1B	Z	-177.543	.75
27	MP1B	Mx	0	.75
28	MP1B	X	-102.504	3.5
29	MP1B	Z	-177.543	3.5
30	MP1B	Mx	0	3.5
31	MP1C	X	-90.356	.75
32	MP1C	Z	-156.502	.75
33	MP1C	Mx	-.203	.75
34	MP1C	X	-90.356	3.5
35	MP1C	Z	-156.502	3.5
36	MP1C	Mx	-.203	3.5
37	MP3A	X	-91.777	.75
38	MP3A	Z	-158.963	.75
39	MP3A	Mx	.194	.75
40	MP3A	X	-91.777	3.5
41	MP3A	Z	-158.963	3.5
42	MP3A	Mx	.194	3.5
43	MP3B	X	-102.504	.75
44	MP3B	Z	-177.543	.75
45	MP3B	Mx	0	.75
46	MP3B	X	-102.504	3.5
47	MP3B	Z	-177.543	3.5
48	MP3B	Mx	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP5C	X	-90.356	.75
50	MP5C	Z	-156.502	.75
51	MP5C	Mx	-.203	.75
52	MP5C	X	-90.356	3.5
53	MP5C	Z	-156.502	3.5
54	MP5C	Mx	-.203	3.5
55	MP3C	X	-55.488	2
56	MP3C	Z	-96.108	2
57	MP3C	Mx	-.106	2
58	MP3C	X	-55.488	6
59	MP3C	Z	-96.108	6
60	MP3C	Mx	-.106	6
61	MP3C	X	-55.488	2
62	MP3C	Z	-96.108	2
63	MP3C	Mx	-.106	2
64	MP3C	X	-55.488	6
65	MP3C	Z	-96.108	6
66	MP3C	Mx	-.106	6
67	MP5B	X	-112.214	2
68	MP5B	Z	-194.36	2
69	MP5B	Mx	-.232	2
70	MP5B	X	-112.214	6
71	MP5B	Z	-194.36	6
72	MP5B	Mx	-.232	6
73	MP5B	X	-112.214	2
74	MP5B	Z	-194.36	2
75	MP5B	Mx	.085	2
76	MP5B	X	-112.214	6
77	MP5B	Z	-194.36	6
78	MP5B	Mx	.085	6
79	MP5A	X	-59.465	2
80	MP5A	Z	-102.996	2
81	MP5A	Mx	.131	2
82	MP5A	X	-59.465	6
83	MP5A	Z	-102.996	6
84	MP5A	Mx	.131	6
85	MP5A	X	-59.465	2
86	MP5A	Z	-102.996	2
87	MP5A	Mx	.083	2
88	MP5A	X	-59.465	6
89	MP5A	Z	-102.996	6
90	MP5A	Mx	.083	6
91	OVP	X	-33.714	.5
92	OVP	Z	-58.394	.5
93	OVP	Mx	-.015	.5
94	OVP	X	-33.714	2.5
95	OVP	Z	-58.394	2.5
96	OVP	Mx	-.015	2.5
97	MP2C	X	-18.878	1
98	MP2C	Z	-32.698	1
99	MP2C	Mx	.024	1
100	MP2C	X	-18.878	2
101	MP2C	Z	-32.698	2
102	MP2C	Mx	.024	2
103	MP4A	X	-13.89	1
104	MP4A	Z	-24.058	1
105	MP4A	Mx	-.006	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP4A	X	-13.89	2
107	MP4A	Z	-24.058	2
108	MP4A	Mx	-.006	2
109	MP4B	X	-18.878	1
110	MP4B	Z	-32.698	1
111	MP4B	Mx	.024	1
112	MP4B	X	-18.878	2
113	MP4B	Z	-32.698	2
114	MP4B	Mx	.024	2
115	MP2C	X	-10.634	2.5
116	MP2C	Z	-18.418	2.5
117	MP2C	Mx	0	2.5
118	MP2C	X	-10.634	3.5
119	MP2C	Z	-18.418	3.5
120	MP2C	Mx	0	3.5
121	MP4A	X	-11.687	2.5
122	MP4A	Z	-20.243	2.5
123	MP4A	Mx	.005	2.5
124	MP4A	X	-11.687	3.5
125	MP4A	Z	-20.243	3.5
126	MP4A	Mx	.005	3.5
127	MP4B	X	-18.586	2.5
128	MP4B	Z	-32.192	2.5
129	MP4B	Mx	-.023	2.5
130	MP4B	X	-18.586	3.5
131	MP4B	Z	-32.192	3.5
132	MP4B	Mx	-.023	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	3
2	MP2A	Z	-15.035	3
3	MP2A	Mx	.006	3
4	MP2A	X	0	5
5	MP2A	Z	-15.035	5
6	MP2A	Mx	.006	5
7	MP2B	X	0	3
8	MP2B	Z	-19.366	3
9	MP2B	Mx	.002	3
10	MP2B	X	0	5
11	MP2B	Z	-19.366	5
12	MP2B	Mx	.002	5
13	MP4C	X	0	3
14	MP4C	Z	-11.226	3
15	MP4C	Mx	-.006	3
16	MP4C	X	0	5
17	MP4C	Z	-11.226	5
18	MP4C	Mx	-.006	5
19	MP1A	X	0	.75
20	MP1A	Z	-37.615	.75
21	MP1A	Mx	.027	.75
22	MP1A	X	0	3.5
23	MP1A	Z	-37.615	3.5
24	MP1A	Mx	.027	3.5
25	MP1B	X	0	.75
26	MP1B	Z	-38.32	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP1B	Mx	.022	.75
28	MP1B	X	0	3.5
29	MP1B	Z	-38.32	3.5
30	MP1B	Mx	.022	3.5
31	MP1C	X	0	.75
32	MP1C	Z	-36.159	.75
33	MP1C	Mx	-.035	.75
34	MP1C	X	0	3.5
35	MP1C	Z	-36.159	3.5
36	MP1C	Mx	-.035	3.5
37	MP3A	X	0	.75
38	MP3A	Z	-37.615	.75
39	MP3A	Mx	.027	.75
40	MP3A	X	0	3.5
41	MP3A	Z	-37.615	3.5
42	MP3A	Mx	.027	3.5
43	MP3B	X	0	.75
44	MP3B	Z	-38.32	.75
45	MP3B	Mx	.022	.75
46	MP3B	X	0	3.5
47	MP3B	Z	-38.32	3.5
48	MP3B	Mx	.022	3.5
49	MP5C	X	0	.75
50	MP5C	Z	-36.159	.75
51	MP5C	Mx	-.035	.75
52	MP5C	X	0	3.5
53	MP5C	Z	-36.159	3.5
54	MP5C	Mx	-.035	3.5
55	MP3C	X	0	2
56	MP3C	Z	-28.388	2
57	MP3C	Mx	-.034	2
58	MP3C	X	0	6
59	MP3C	Z	-28.388	6
60	MP3C	Mx	-.034	6
61	MP3C	X	0	2
62	MP3C	Z	-28.388	2
63	MP3C	Mx	-.013	2
64	MP3C	X	0	6
65	MP3C	Z	-28.388	6
66	MP3C	Mx	-.013	6
67	MP5B	X	0	2
68	MP5B	Z	-45.078	2
69	MP5B	Mx	-.026	2
70	MP5B	X	0	6
71	MP5B	Z	-45.078	6
72	MP5B	Mx	-.026	6
73	MP5B	X	0	2
74	MP5B	Z	-45.078	2
75	MP5B	Mx	.041	2
76	MP5B	X	0	6
77	MP5B	Z	-45.078	6
78	MP5B	Mx	.041	6
79	MP5A	X	0	2
80	MP5A	Z	-28.837	2
81	MP5A	Mx	.031	2
82	MP5A	X	0	6
83	MP5A	Z	-28.837	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP5A	Mx	.031	6
85	MP5A	X	0	2
86	MP5A	Z	-28.837	2
87	MP5A	Mx	.005	2
88	MP5A	X	0	6
89	MP5A	Z	-28.837	6
90	MP5A	Mx	.005	6
91	OVP	X	0	.5
92	OVP	Z	-15.531	.5
93	OVP	Mx	-.008	.5
94	OVP	X	0	2.5
95	OVP	Z	-15.531	2.5
96	OVP	Mx	-.008	2.5
97	MP2C	X	0	1
98	MP2C	Z	-8.232	1
99	MP2C	Mx	.005	1
100	MP2C	X	0	2
101	MP2C	Z	-8.232	2
102	MP2C	Mx	.005	2
103	MP4A	X	0	1
104	MP4A	Z	-7.264	1
105	MP4A	Mx	-.004	1
106	MP4A	X	0	2
107	MP4A	Z	-7.264	2
108	MP4A	Mx	-.004	2
109	MP4B	X	0	1
110	MP4B	Z	-8.232	1
111	MP4B	Mx	.005	1
112	MP4B	X	0	2
113	MP4B	Z	-8.232	2
114	MP4B	Mx	.005	2
115	MP2C	X	0	2.5
116	MP2C	Z	-5.692	2.5
117	MP2C	Mx	-.002	2.5
118	MP2C	X	0	3.5
119	MP2C	Z	-5.692	3.5
120	MP2C	Mx	-.002	3.5
121	MP4A	X	0	2.5
122	MP4A	Z	-6.867	2.5
123	MP4A	Mx	.004	2.5
124	MP4A	X	0	3.5
125	MP4A	Z	-6.867	3.5
126	MP4A	Mx	.004	3.5
127	MP4B	X	0	2.5
128	MP4B	Z	-8.203	2.5
129	MP4B	Mx	-.005	2.5
130	MP4B	X	0	3.5
131	MP4B	Z	-8.203	3.5
132	MP4B	Mx	-.005	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	9.683	3
2	MP2A	Z	-16.771	3
3	MP2A	Mx	.002	3
4	MP2A	X	9.683	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	Z	-16.771	5
6	MP2A	Mx	.002	5
7	MP2B	X	7.517	3
8	MP2B	Z	-13.021	3
9	MP2B	Mx	.006	3
10	MP2B	X	7.517	5
11	MP2B	Z	-13.021	5
12	MP2B	Mx	.006	5
13	MP4C	X	8.44	3
14	MP4C	Z	-14.618	3
15	MP4C	Mx	-.006	3
16	MP4C	X	8.44	5
17	MP4C	Z	-14.618	5
18	MP4C	Mx	-.006	5
19	MP1A	X	19.635	.75
20	MP1A	Z	-34.009	.75
21	MP1A	Mx	.008	.75
22	MP1A	X	19.635	3.5
23	MP1A	Z	-34.009	3.5
24	MP1A	Mx	.008	3.5
25	MP1B	X	18.08	.75
26	MP1B	Z	-31.315	.75
27	MP1B	Mx	.035	.75
28	MP1B	X	18.08	3.5
29	MP1B	Z	-31.315	3.5
30	MP1B	Mx	.035	3.5
31	MP1C	X	19.16	.75
32	MP1C	Z	-33.186	.75
33	MP1C	Mx	-.022	.75
34	MP1C	X	19.16	3.5
35	MP1C	Z	-33.186	3.5
36	MP1C	Mx	-.022	3.5
37	MP3A	X	19.635	.75
38	MP3A	Z	-34.009	.75
39	MP3A	Mx	.008	.75
40	MP3A	X	19.635	3.5
41	MP3A	Z	-34.009	3.5
42	MP3A	Mx	.008	3.5
43	MP3B	X	18.08	.75
44	MP3B	Z	-31.315	.75
45	MP3B	Mx	.035	.75
46	MP3B	X	18.08	3.5
47	MP3B	Z	-31.315	3.5
48	MP3B	Mx	.035	3.5
49	MP5C	X	19.16	.75
50	MP5C	Z	-33.186	.75
51	MP5C	Mx	-.022	.75
52	MP5C	X	19.16	3.5
53	MP5C	Z	-33.186	3.5
54	MP5C	Mx	-.022	3.5
55	MP3C	X	19.99	2
56	MP3C	Z	-34.624	2
57	MP3C	Mx	-.045	2
58	MP3C	X	19.99	6
59	MP3C	Z	-34.624	6
60	MP3C	Mx	-.045	6
61	MP3C	X	19.99	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP3C	Z	-34.624	2
63	MP3C	Mx	.007	2
64	MP3C	X	19.99	6
65	MP3C	Z	-34.624	6
66	MP3C	Mx	.007	6
67	MP5B	X	18.099	2
68	MP5B	Z	-31.348	2
69	MP5B	Mx	.002	2
70	MP5B	X	18.099	6
71	MP5B	Z	-31.348	6
72	MP5B	Mx	.002	6
73	MP5B	X	18.099	2
74	MP5B	Z	-31.348	2
75	MP5B	Mx	.043	2
76	MP5B	X	18.099	6
77	MP5B	Z	-31.348	6
78	MP5B	Mx	.043	6
79	MP5A	X	16.383	2
80	MP5A	Z	-28.377	2
81	MP5A	Mx	.024	2
82	MP5A	X	16.383	6
83	MP5A	Z	-28.377	6
84	MP5A	Mx	.024	6
85	MP5A	X	16.383	2
86	MP5A	Z	-28.377	2
87	MP5A	Mx	-.013	2
88	MP5A	X	16.383	6
89	MP5A	Z	-28.377	6
90	MP5A	Mx	-.013	6
91	OVP	X	8.478	.5
92	OVP	Z	-14.684	.5
93	OVP	Mx	-.011	.5
94	OVP	X	8.478	2.5
95	OVP	Z	-14.684	2.5
96	OVP	Mx	-.011	2.5
97	MP2C	X	3.632	1
98	MP2C	Z	-6.291	1
99	MP2C	Mx	.004	1
100	MP2C	X	3.632	2
101	MP2C	Z	-6.291	2
102	MP2C	Mx	.004	2
103	MP4A	X	4.116	1
104	MP4A	Z	-7.129	1
105	MP4A	Mx	-.005	1
106	MP4A	X	4.116	2
107	MP4A	Z	-7.129	2
108	MP4A	Mx	-.005	2
109	MP4B	X	3.632	1
110	MP4B	Z	-6.291	1
111	MP4B	Mx	.004	1
112	MP4B	X	3.632	2
113	MP4B	Z	-6.291	2
114	MP4B	Mx	.004	2
115	MP2C	X	3.718	2.5
116	MP2C	Z	-6.44	2.5
117	MP2C	Mx	-.004	2.5
118	MP2C	X	3.718	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP2C	Z	-6.44	3.5
120	MP2C	Mx	-.004	3.5
121	MP4A	X	4.101	2.5
122	MP4A	Z	-7.104	2.5
123	MP4A	Mx	.005	2.5
124	MP4A	X	4.101	3.5
125	MP4A	Z	-7.104	3.5
126	MP4A	Mx	.005	3.5
127	MP4B	X	3.433	2.5
128	MP4B	Z	-5.947	2.5
129	MP4B	Mx	-.004	2.5
130	MP4B	X	3.433	3.5
131	MP4B	Z	-5.947	3.5
132	MP4B	Mx	-.004	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	15.921	3
2	MP2A	Z	-9.192	3
3	MP2A	Mx	-.004	3
4	MP2A	X	15.921	5
5	MP2A	Z	-9.192	5
6	MP2A	Mx	-.004	5
7	MP2B	X	8.42	3
8	MP2B	Z	-4.861	3
9	MP2B	Mx	.006	3
10	MP2B	X	8.42	5
11	MP2B	Z	-4.861	5
12	MP2B	Mx	.006	5
13	MP4C	X	17.067	3
14	MP4C	Z	-9.853	3
15	MP4C	Mx	0	3
16	MP4C	X	17.067	5
17	MP4C	Z	-9.853	5
18	MP4C	Mx	0	5
19	MP1A	X	33.684	.75
20	MP1A	Z	-19.448	.75
21	MP1A	Mx	-.015	.75
22	MP1A	X	33.684	3.5
23	MP1A	Z	-19.448	3.5
24	MP1A	Mx	-.015	3.5
25	MP1B	X	30.379	.75
26	MP1B	Z	-17.539	.75
27	MP1B	Mx	.039	.75
28	MP1B	X	30.379	3.5
29	MP1B	Z	-17.539	3.5
30	MP1B	Mx	.039	3.5
31	MP1C	X	34.122	.75
32	MP1C	Z	-19.7	.75
33	MP1C	Mx	0	.75
34	MP1C	X	34.122	3.5
35	MP1C	Z	-19.7	3.5
36	MP1C	Mx	0	3.5
37	MP3A	X	33.684	.75
38	MP3A	Z	-19.448	.75
39	MP3A	Mx	-.015	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP3A	X	33.684	3.5
41	MP3A	Z	-19.448	3.5
42	MP3A	Mx	-.015	3.5
43	MP3B	X	30.379	.75
44	MP3B	Z	-17.539	.75
45	MP3B	Mx	.039	.75
46	MP3B	X	30.379	3.5
47	MP3B	Z	-17.539	3.5
48	MP3B	Mx	.039	3.5
49	MP5C	X	34.122	.75
50	MP5C	Z	-19.7	.75
51	MP5C	Mx	0	.75
52	MP5C	X	34.122	3.5
53	MP5C	Z	-19.7	3.5
54	MP5C	Mx	0	3.5
55	MP3C	X	39.644	2
56	MP3C	Z	-22.889	2
57	MP3C	Mx	-.034	2
58	MP3C	X	39.644	6
59	MP3C	Z	-22.889	6
60	MP3C	Mx	-.034	6
61	MP3C	X	39.644	2
62	MP3C	Z	-22.889	2
63	MP3C	Mx	.034	2
64	MP3C	X	39.644	6
65	MP3C	Z	-22.889	6
66	MP3C	Mx	.034	6
67	MP5B	X	21.913	2
68	MP5B	Z	-12.652	2
69	MP5B	Mx	.016	2
70	MP5B	X	21.913	6
71	MP5B	Z	-12.652	6
72	MP5B	Mx	.016	6
73	MP5B	X	21.913	2
74	MP5B	Z	-12.652	2
75	MP5B	Mx	.029	2
76	MP5B	X	21.913	6
77	MP5B	Z	-12.652	6
78	MP5B	Mx	.029	6
79	MP5A	X	27.605	2
80	MP5A	Z	-15.938	2
81	MP5A	Mx	.007	2
82	MP5A	X	27.605	6
83	MP5A	Z	-15.938	6
84	MP5A	Mx	.007	6
85	MP5A	X	27.605	2
86	MP5A	Z	-15.938	2
87	MP5A	Mx	-.028	2
88	MP5A	X	27.605	6
89	MP5A	Z	-15.938	6
90	MP5A	Mx	-.028	6
91	OVP	X	14.404	.5
92	OVP	Z	-8.316	.5
93	OVP	Mx	-.01	.5
94	OVP	X	14.404	2.5
95	OVP	Z	-8.316	2.5
96	OVP	Mx	-.01	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP2C	X	5.262	1
98	MP2C	Z	-3.038	1
99	MP2C	Mx	.001	1
100	MP2C	X	5.262	2
101	MP2C	Z	-3.038	2
102	MP2C	Mx	.001	2
103	MP4A	X	6.939	1
104	MP4A	Z	-4.006	1
105	MP4A	Mx	-.005	1
106	MP4A	X	6.939	2
107	MP4A	Z	-4.006	2
108	MP4A	Mx	-.005	2
109	MP4B	X	5.262	1
110	MP4B	Z	-3.038	1
111	MP4B	Mx	.001	1
112	MP4B	X	5.262	2
113	MP4B	Z	-3.038	2
114	MP4B	Mx	.001	2
115	MP2C	X	7.195	2.5
116	MP2C	Z	-4.154	2.5
117	MP2C	Mx	-.006	2.5
118	MP2C	X	7.195	3.5
119	MP2C	Z	-4.154	3.5
120	MP2C	Mx	-.006	3.5
121	MP4A	X	6.842	2.5
122	MP4A	Z	-3.95	2.5
123	MP4A	Mx	.005	2.5
124	MP4A	X	6.842	3.5
125	MP4A	Z	-3.95	3.5
126	MP4A	Mx	.005	3.5
127	MP4B	X	4.528	2.5
128	MP4B	Z	-2.614	2.5
129	MP4B	Mx	-.001	2.5
130	MP4B	X	4.528	3.5
131	MP4B	Z	-2.614	3.5
132	MP4B	Mx	-.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	13.071	3
2	MP2A	Z	0	3
3	MP2A	Mx	-.007	3
4	MP2A	X	13.071	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.007	5
7	MP2B	X	8.741	3
8	MP2B	Z	0	3
9	MP2B	Mx	.006	3
10	MP2B	X	8.741	5
11	MP2B	Z	0	5
12	MP2B	Mx	.006	5
13	MP4C	X	16.88	3
14	MP4C	Z	0	3
15	MP4C	Mx	.006	3
16	MP4C	X	16.88	5
17	MP4C	Z	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4C	Mx	.006	5
19	MP1A	X	36.865	.75
20	MP1A	Z	0	.75
21	MP1A	Mx	-.032	.75
22	MP1A	X	36.865	3.5
23	MP1A	Z	0	3.5
24	MP1A	Mx	-.032	3.5
25	MP1B	X	36.159	.75
26	MP1B	Z	0	.75
27	MP1B	Mx	.035	.75
28	MP1B	X	36.159	3.5
29	MP1B	Z	0	3.5
30	MP1B	Mx	.035	3.5
31	MP1C	X	38.32	.75
32	MP1C	Z	0	.75
33	MP1C	Mx	.022	.75
34	MP1C	X	38.32	3.5
35	MP1C	Z	0	3.5
36	MP1C	Mx	.022	3.5
37	MP3A	X	36.865	.75
38	MP3A	Z	0	.75
39	MP3A	Mx	-.032	.75
40	MP3A	X	36.865	3.5
41	MP3A	Z	0	3.5
42	MP3A	Mx	-.032	3.5
43	MP3B	X	36.159	.75
44	MP3B	Z	0	.75
45	MP3B	Mx	.035	.75
46	MP3B	X	36.159	3.5
47	MP3B	Z	0	3.5
48	MP3B	Mx	.035	3.5
49	MP5C	X	38.32	.75
50	MP5C	Z	0	.75
51	MP5C	Mx	.022	.75
52	MP5C	X	38.32	3.5
53	MP5C	Z	0	3.5
54	MP5C	Mx	.022	3.5
55	MP3C	X	39.981	2
56	MP3C	Z	0	2
57	MP3C	Mx	-.007	2
58	MP3C	X	39.981	6
59	MP3C	Z	0	6
60	MP3C	Mx	-.007	6
61	MP3C	X	39.981	2
62	MP3C	Z	0	2
63	MP3C	Mx	.045	2
64	MP3C	X	39.981	6
65	MP3C	Z	0	6
66	MP3C	Mx	.045	6
67	MP5B	X	23.29	2
68	MP5B	Z	0	2
69	MP5B	Mx	.025	2
70	MP5B	X	23.29	6
71	MP5B	Z	0	6
72	MP5B	Mx	.025	6
73	MP5B	X	23.29	2
74	MP5B	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP5B	Mx	.019	2
76	MP5B	X	23.29	6
77	MP5B	Z	0	6
78	MP5B	Mx	.019	6
79	MP5A	X	27.055	2
80	MP5A	Z	0	2
81	MP5A	Mx	-.01	2
82	MP5A	X	27.055	6
83	MP5A	Z	0	6
84	MP5A	Mx	-.01	6
85	MP5A	X	27.055	2
86	MP5A	Z	0	2
87	MP5A	Mx	-.03	2
88	MP5A	X	27.055	6
89	MP5A	Z	0	6
90	MP5A	Mx	-.03	6
91	OVP	X	14.885	.5
92	OVP	Z	0	.5
93	OVP	Mx	-.006	.5
94	OVP	X	14.885	2.5
95	OVP	Z	0	2.5
96	OVP	Mx	-.006	2.5
97	MP2C	X	5.857	1
98	MP2C	Z	0	1
99	MP2C	Mx	-.000678	1
100	MP2C	X	5.857	2
101	MP2C	Z	0	2
102	MP2C	Mx	-.000678	2
103	MP4A	X	6.825	1
104	MP4A	Z	0	1
105	MP4A	Mx	-.003	1
106	MP4A	X	6.825	2
107	MP4A	Z	0	2
108	MP4A	Mx	-.003	2
109	MP4B	X	5.857	1
110	MP4B	Z	0	1
111	MP4B	Mx	-.000678	1
112	MP4B	X	5.857	2
113	MP4B	Z	0	2
114	MP4B	Mx	-.000678	2
115	MP2C	X	7.436	2.5
116	MP2C	Z	0	2.5
117	MP2C	Mx	-.004	2.5
118	MP2C	X	7.436	3.5
119	MP2C	Z	0	3.5
120	MP2C	Mx	-.004	3.5
121	MP4A	X	6.261	2.5
122	MP4A	Z	0	2.5
123	MP4A	Mx	.003	2.5
124	MP4A	X	6.261	3.5
125	MP4A	Z	0	3.5
126	MP4A	Mx	.003	3.5
127	MP4B	X	4.926	2.5
128	MP4B	Z	0	2.5
129	MP4B	Mx	.00057	2.5
130	MP4B	X	4.926	3.5
131	MP4B	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
132	MP4B	Mx	.00057	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.57	3
2	MP2A	Z	4.37	3
3	MP2A	Mx	-.006	3
4	MP2A	X	7.57	5
5	MP2A	Z	4.37	5
6	MP2A	Mx	-.006	5
7	MP2B	X	11.32	3
8	MP2B	Z	6.536	3
9	MP2B	Mx	.007	3
10	MP2B	X	11.32	5
11	MP2B	Z	6.536	5
12	MP2B	Mx	.007	5
13	MP4C	X	9.722	3
14	MP4C	Z	5.613	3
15	MP4C	Mx	.006	3
16	MP4C	X	9.722	5
17	MP4C	Z	5.613	5
18	MP4C	Mx	.006	5
19	MP1A	X	30.492	.75
20	MP1A	Z	17.605	.75
21	MP1A	Mx	-.039	.75
22	MP1A	X	30.492	3.5
23	MP1A	Z	17.605	3.5
24	MP1A	Mx	-.039	3.5
25	MP1B	X	33.186	.75
26	MP1B	Z	19.16	.75
27	MP1B	Mx	.022	.75
28	MP1B	X	33.186	3.5
29	MP1B	Z	19.16	3.5
30	MP1B	Mx	.022	3.5
31	MP1C	X	31.315	.75
32	MP1C	Z	18.08	.75
33	MP1C	Mx	.035	.75
34	MP1C	X	31.315	3.5
35	MP1C	Z	18.08	3.5
36	MP1C	Mx	.035	3.5
37	MP3A	X	30.492	.75
38	MP3A	Z	17.605	.75
39	MP3A	Mx	-.039	.75
40	MP3A	X	30.492	3.5
41	MP3A	Z	17.605	3.5
42	MP3A	Mx	-.039	3.5
43	MP3B	X	33.186	.75
44	MP3B	Z	19.16	.75
45	MP3B	Mx	.022	.75
46	MP3B	X	33.186	3.5
47	MP3B	Z	19.16	3.5
48	MP3B	Mx	.022	3.5
49	MP5C	X	31.315	.75
50	MP5C	Z	18.08	.75
51	MP5C	Mx	.035	.75
52	MP5C	X	31.315	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP5C	Z	18.08	3.5
54	MP5C	Mx	.035	3.5
55	MP3C	X	24.584	2
56	MP3C	Z	14.194	2
57	MP3C	Mx	.013	2
58	MP3C	X	24.584	6
59	MP3C	Z	14.194	6
60	MP3C	Mx	.013	6
61	MP3C	X	24.584	2
62	MP3C	Z	14.194	2
63	MP3C	Mx	.034	2
64	MP3C	X	24.584	6
65	MP3C	Z	14.194	6
66	MP3C	Mx	.034	6
67	MP5B	X	27.861	2
68	MP5B	Z	16.086	2
69	MP5B	Mx	.039	2
70	MP5B	X	27.861	6
71	MP5B	Z	16.086	6
72	MP5B	Mx	.039	6
73	MP5B	X	27.861	2
74	MP5B	Z	16.086	2
75	MP5B	Mx	.008	2
76	MP5B	X	27.861	6
77	MP5B	Z	16.086	6
78	MP5B	Mx	.008	6
79	MP5A	X	20.027	2
80	MP5A	Z	11.562	2
81	MP5A	Mx	-.019	2
82	MP5A	X	20.027	6
83	MP5A	Z	11.562	6
84	MP5A	Mx	-.019	6
85	MP5A	X	20.027	2
86	MP5A	Z	11.562	2
87	MP5A	Mx	-.024	2
88	MP5A	X	20.027	6
89	MP5A	Z	11.562	6
90	MP5A	Mx	-.024	6
91	OVP	X	11.657	.5
92	OVP	Z	6.73	.5
93	OVP	Mx	-.002	.5
94	OVP	X	11.657	2.5
95	OVP	Z	6.73	2.5
96	OVP	Mx	-.002	2.5
97	MP2C	X	5.911	1
98	MP2C	Z	3.412	1
99	MP2C	Mx	-.003	1
100	MP2C	X	5.911	2
101	MP2C	Z	3.412	2
102	MP2C	Mx	-.003	2
103	MP4A	X	5.072	1
104	MP4A	Z	2.928	1
105	MP4A	Mx	-.000678	1
106	MP4A	X	5.072	2
107	MP4A	Z	2.928	2
108	MP4A	Mx	-.000678	2
109	MP4B	X	5.911	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP4B	Z	3.412	1
111	MP4B	Mx	-.003	1
112	MP4B	X	5.911	2
113	MP4B	Z	3.412	2
114	MP4B	Mx	-.003	2
115	MP2C	X	4.93	2.5
116	MP2C	Z	2.846	2.5
117	MP2C	Mx	-.002	2.5
118	MP2C	X	4.93	3.5
119	MP2C	Z	2.846	3.5
120	MP2C	Mx	-.002	3.5
121	MP4A	X	4.266	2.5
122	MP4A	Z	2.463	2.5
123	MP4A	Mx	.00057	2.5
124	MP4A	X	4.266	3.5
125	MP4A	Z	2.463	3.5
126	MP4A	Mx	.00057	3.5
127	MP4B	X	5.423	2.5
128	MP4B	Z	3.131	2.5
129	MP4B	Mx	.003	2.5
130	MP4B	X	5.423	3.5
131	MP4B	Z	3.131	3.5
132	MP4B	Mx	.003	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.861	3
2	MP2A	Z	8.42	3
3	MP2A	Mx	-.006	3
4	MP2A	X	4.861	5
5	MP2A	Z	8.42	5
6	MP2A	Mx	-.006	5
7	MP2B	X	9.192	3
8	MP2B	Z	15.921	3
9	MP2B	Mx	.004	3
10	MP2B	X	9.192	5
11	MP2B	Z	15.921	5
12	MP2B	Mx	.004	5
13	MP4C	X	4.2	3
14	MP4C	Z	7.274	3
15	MP4C	Mx	.006	3
16	MP4C	X	4.2	5
17	MP4C	Z	7.274	5
18	MP4C	Mx	.006	5
19	MP1A	X	17.792	.75
20	MP1A	Z	30.817	.75
21	MP1A	Mx	-.038	.75
22	MP1A	X	17.792	3.5
23	MP1A	Z	30.817	3.5
24	MP1A	Mx	-.038	3.5
25	MP1B	X	19.7	.75
26	MP1B	Z	34.122	.75
27	MP1B	Mx	0	.75
28	MP1B	X	19.7	3.5
29	MP1B	Z	34.122	3.5
30	MP1B	Mx	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP1C	X	17.539	.75
32	MP1C	Z	30.379	.75
33	MP1C	Mx	.039	.75
34	MP1C	X	17.539	3.5
35	MP1C	Z	30.379	3.5
36	MP1C	Mx	.039	3.5
37	MP3A	X	17.792	.75
38	MP3A	Z	30.817	.75
39	MP3A	Mx	-.038	.75
40	MP3A	X	17.792	3.5
41	MP3A	Z	30.817	3.5
42	MP3A	Mx	-.038	3.5
43	MP3B	X	19.7	.75
44	MP3B	Z	34.122	.75
45	MP3B	Mx	0	.75
46	MP3B	X	19.7	3.5
47	MP3B	Z	34.122	3.5
48	MP3B	Mx	0	3.5
49	MP5C	X	17.539	.75
50	MP5C	Z	30.379	.75
51	MP5C	Mx	.039	.75
52	MP5C	X	17.539	3.5
53	MP5C	Z	30.379	3.5
54	MP5C	Mx	.039	3.5
55	MP3C	X	11.296	2
56	MP3C	Z	19.565	2
57	MP3C	Mx	.022	2
58	MP3C	X	11.296	6
59	MP3C	Z	19.565	6
60	MP3C	Mx	.022	6
61	MP3C	X	11.296	2
62	MP3C	Z	19.565	2
63	MP3C	Mx	.022	2
64	MP3C	X	11.296	6
65	MP3C	Z	19.565	6
66	MP3C	Mx	.022	6
67	MP5B	X	21.532	2
68	MP5B	Z	37.295	2
69	MP5B	Mx	.044	2
70	MP5B	X	21.532	6
71	MP5B	Z	37.295	6
72	MP5B	Mx	.044	6
73	MP5B	X	21.532	2
74	MP5B	Z	37.295	2
75	MP5B	Mx	-.016	2
76	MP5B	X	21.532	6
77	MP5B	Z	37.295	6
78	MP5B	Mx	-.016	6
79	MP5A	X	12.008	2
80	MP5A	Z	20.798	2
81	MP5A	Mx	-.026	2
82	MP5A	X	12.008	6
83	MP5A	Z	20.798	6
84	MP5A	Mx	-.026	6
85	MP5A	X	12.008	2
86	MP5A	Z	20.798	2
87	MP5A	Mx	-.017	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP5A	X	12.008	6
89	MP5A	Z	20.798	6
90	MP5A	Mx	-.017	6
91	OVP	X	6.892	.5
92	OVP	Z	11.937	.5
93	OVP	Mx	.003	.5
94	OVP	X	6.892	2.5
95	OVP	Z	11.937	2.5
96	OVP	Mx	.003	2.5
97	MP2C	X	4.006	1
98	MP2C	Z	6.939	1
99	MP2C	Mx	-.005	1
100	MP2C	X	4.006	2
101	MP2C	Z	6.939	2
102	MP2C	Mx	-.005	2
103	MP4A	X	3.038	1
104	MP4A	Z	5.262	1
105	MP4A	Mx	.001	1
106	MP4A	X	3.038	2
107	MP4A	Z	5.262	2
108	MP4A	Mx	.001	2
109	MP4B	X	4.006	1
110	MP4B	Z	6.939	1
111	MP4B	Mx	-.005	1
112	MP4B	X	4.006	2
113	MP4B	Z	6.939	2
114	MP4B	Mx	-.005	2
115	MP2C	X	2.41	2.5
116	MP2C	Z	4.175	2.5
117	MP2C	Mx	0	2.5
118	MP2C	X	2.41	3.5
119	MP2C	Z	4.175	3.5
120	MP2C	Mx	0	3.5
121	MP4A	X	2.614	2.5
122	MP4A	Z	4.528	2.5
123	MP4A	Mx	-.001	2.5
124	MP4A	X	2.614	3.5
125	MP4A	Z	4.528	3.5
126	MP4A	Mx	-.001	3.5
127	MP4B	X	3.95	2.5
128	MP4B	Z	6.842	2.5
129	MP4B	Mx	.005	2.5
130	MP4B	X	3.95	3.5
131	MP4B	Z	6.842	3.5
132	MP4B	Mx	.005	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	3
2	MP2A	Z	15.035	3
3	MP2A	Mx	-.006	3
4	MP2A	X	0	5
5	MP2A	Z	15.035	5
6	MP2A	Mx	-.006	5
7	MP2B	X	0	3
8	MP2B	Z	19.366	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	-.002	3
10	MP2B	X	0	5
11	MP2B	Z	19.366	5
12	MP2B	Mx	-.002	5
13	MP4C	X	0	3
14	MP4C	Z	11.226	3
15	MP4C	Mx	.006	3
16	MP4C	X	0	5
17	MP4C	Z	11.226	5
18	MP4C	Mx	.006	5
19	MP1A	X	0	.75
20	MP1A	Z	37.615	.75
21	MP1A	Mx	-.027	.75
22	MP1A	X	0	3.5
23	MP1A	Z	37.615	3.5
24	MP1A	Mx	-.027	3.5
25	MP1B	X	0	.75
26	MP1B	Z	38.32	.75
27	MP1B	Mx	-.022	.75
28	MP1B	X	0	3.5
29	MP1B	Z	38.32	3.5
30	MP1B	Mx	-.022	3.5
31	MP1C	X	0	.75
32	MP1C	Z	36.159	.75
33	MP1C	Mx	.035	.75
34	MP1C	X	0	3.5
35	MP1C	Z	36.159	3.5
36	MP1C	Mx	.035	3.5
37	MP3A	X	0	.75
38	MP3A	Z	37.615	.75
39	MP3A	Mx	-.027	.75
40	MP3A	X	0	3.5
41	MP3A	Z	37.615	3.5
42	MP3A	Mx	-.027	3.5
43	MP3B	X	0	.75
44	MP3B	Z	38.32	.75
45	MP3B	Mx	-.022	.75
46	MP3B	X	0	3.5
47	MP3B	Z	38.32	3.5
48	MP3B	Mx	-.022	3.5
49	MP5C	X	0	.75
50	MP5C	Z	36.159	.75
51	MP5C	Mx	.035	.75
52	MP5C	X	0	3.5
53	MP5C	Z	36.159	3.5
54	MP5C	Mx	.035	3.5
55	MP3C	X	0	2
56	MP3C	Z	28.388	2
57	MP3C	Mx	.034	2
58	MP3C	X	0	6
59	MP3C	Z	28.388	6
60	MP3C	Mx	.034	6
61	MP3C	X	0	2
62	MP3C	Z	28.388	2
63	MP3C	Mx	.013	2
64	MP3C	X	0	6
65	MP3C	Z	28.388	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3C	Mx	.013	6
67	MP5B	X	0	2
68	MP5B	Z	45.078	2
69	MP5B	Mx	.026	2
70	MP5B	X	0	6
71	MP5B	Z	45.078	6
72	MP5B	Mx	.026	6
73	MP5B	X	0	2
74	MP5B	Z	45.078	2
75	MP5B	Mx	-.041	2
76	MP5B	X	0	6
77	MP5B	Z	45.078	6
78	MP5B	Mx	-.041	6
79	MP5A	X	0	2
80	MP5A	Z	28.837	2
81	MP5A	Mx	-.031	2
82	MP5A	X	0	6
83	MP5A	Z	28.837	6
84	MP5A	Mx	-.031	6
85	MP5A	X	0	2
86	MP5A	Z	28.837	2
87	MP5A	Mx	-.005	2
88	MP5A	X	0	6
89	MP5A	Z	28.837	6
90	MP5A	Mx	-.005	6
91	OVP	X	0	.5
92	OVP	Z	15.531	.5
93	OVP	Mx	.008	.5
94	OVP	X	0	2.5
95	OVP	Z	15.531	2.5
96	OVP	Mx	.008	2.5
97	MP2C	X	0	1
98	MP2C	Z	8.232	1
99	MP2C	Mx	-.005	1
100	MP2C	X	0	2
101	MP2C	Z	8.232	2
102	MP2C	Mx	-.005	2
103	MP4A	X	0	1
104	MP4A	Z	7.264	1
105	MP4A	Mx	.004	1
106	MP4A	X	0	2
107	MP4A	Z	7.264	2
108	MP4A	Mx	.004	2
109	MP4B	X	0	1
110	MP4B	Z	8.232	1
111	MP4B	Mx	-.005	1
112	MP4B	X	0	2
113	MP4B	Z	8.232	2
114	MP4B	Mx	-.005	2
115	MP2C	X	0	2.5
116	MP2C	Z	5.692	2.5
117	MP2C	Mx	.002	2.5
118	MP2C	X	0	3.5
119	MP2C	Z	5.692	3.5
120	MP2C	Mx	.002	3.5
121	MP4A	X	0	2.5
122	MP4A	Z	6.867	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
123	MP4A	Mx	-.004	2.5
124	MP4A	X	0	3.5
125	MP4A	Z	6.867	3.5
126	MP4A	Mx	-.004	3.5
127	MP4B	X	0	2.5
128	MP4B	Z	8.203	2.5
129	MP4B	Mx	.005	2.5
130	MP4B	X	0	3.5
131	MP4B	Z	8.203	3.5
132	MP4B	Mx	.005	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-9.683	3
2	MP2A	Z	16.771	3
3	MP2A	Mx	-.002	3
4	MP2A	X	-9.683	5
5	MP2A	Z	16.771	5
6	MP2A	Mx	-.002	5
7	MP2B	X	-7.517	3
8	MP2B	Z	13.021	3
9	MP2B	Mx	-.006	3
10	MP2B	X	-7.517	5
11	MP2B	Z	13.021	5
12	MP2B	Mx	-.006	5
13	MP4C	X	-8.44	3
14	MP4C	Z	14.618	3
15	MP4C	Mx	.006	3
16	MP4C	X	-8.44	5
17	MP4C	Z	14.618	5
18	MP4C	Mx	.006	5
19	MP1A	X	-19.635	.75
20	MP1A	Z	34.009	.75
21	MP1A	Mx	-.008	.75
22	MP1A	X	-19.635	3.5
23	MP1A	Z	34.009	3.5
24	MP1A	Mx	-.008	3.5
25	MP1B	X	-18.08	.75
26	MP1B	Z	31.315	.75
27	MP1B	Mx	-.035	.75
28	MP1B	X	-18.08	3.5
29	MP1B	Z	31.315	3.5
30	MP1B	Mx	-.035	3.5
31	MP1C	X	-19.16	.75
32	MP1C	Z	33.186	.75
33	MP1C	Mx	.022	.75
34	MP1C	X	-19.16	3.5
35	MP1C	Z	33.186	3.5
36	MP1C	Mx	.022	3.5
37	MP3A	X	-19.635	.75
38	MP3A	Z	34.009	.75
39	MP3A	Mx	-.008	.75
40	MP3A	X	-19.635	3.5
41	MP3A	Z	34.009	3.5
42	MP3A	Mx	-.008	3.5
43	MP3B	X	-18.08	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3B	Z	31.315	.75
45	MP3B	Mx	-.035	.75
46	MP3B	X	-18.08	3.5
47	MP3B	Z	31.315	3.5
48	MP3B	Mx	-.035	3.5
49	MP5C	X	-19.16	.75
50	MP5C	Z	33.186	.75
51	MP5C	Mx	.022	.75
52	MP5C	X	-19.16	3.5
53	MP5C	Z	33.186	3.5
54	MP5C	Mx	.022	3.5
55	MP3C	X	-19.99	2
56	MP3C	Z	34.624	2
57	MP3C	Mx	.045	2
58	MP3C	X	-19.99	6
59	MP3C	Z	34.624	6
60	MP3C	Mx	.045	6
61	MP3C	X	-19.99	2
62	MP3C	Z	34.624	2
63	MP3C	Mx	-.007	2
64	MP3C	X	-19.99	6
65	MP3C	Z	34.624	6
66	MP3C	Mx	-.007	6
67	MP5B	X	-18.099	2
68	MP5B	Z	31.348	2
69	MP5B	Mx	-.002	2
70	MP5B	X	-18.099	6
71	MP5B	Z	31.348	6
72	MP5B	Mx	-.002	6
73	MP5B	X	-18.099	2
74	MP5B	Z	31.348	2
75	MP5B	Mx	-.043	2
76	MP5B	X	-18.099	6
77	MP5B	Z	31.348	6
78	MP5B	Mx	-.043	6
79	MP5A	X	-16.383	2
80	MP5A	Z	28.377	2
81	MP5A	Mx	-.024	2
82	MP5A	X	-16.383	6
83	MP5A	Z	28.377	6
84	MP5A	Mx	-.024	6
85	MP5A	X	-16.383	2
86	MP5A	Z	28.377	2
87	MP5A	Mx	.013	2
88	MP5A	X	-16.383	6
89	MP5A	Z	28.377	6
90	MP5A	Mx	.013	6
91	OVP	X	-8.478	.5
92	OVP	Z	14.684	.5
93	OVP	Mx	.011	.5
94	OVP	X	-8.478	2.5
95	OVP	Z	14.684	2.5
96	OVP	Mx	.011	2.5
97	MP2C	X	-3.632	1
98	MP2C	Z	6.291	1
99	MP2C	Mx	-.004	1
100	MP2C	X	-3.632	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP2C	Z	6.291	2
102	MP2C	Mx	-.004	2
103	MP4A	X	-4.116	1
104	MP4A	Z	7.129	1
105	MP4A	Mx	.005	1
106	MP4A	X	-4.116	2
107	MP4A	Z	7.129	2
108	MP4A	Mx	.005	2
109	MP4B	X	-3.632	1
110	MP4B	Z	6.291	1
111	MP4B	Mx	-.004	1
112	MP4B	X	-3.632	2
113	MP4B	Z	6.291	2
114	MP4B	Mx	-.004	2
115	MP2C	X	-3.718	2.5
116	MP2C	Z	6.44	2.5
117	MP2C	Mx	.004	2.5
118	MP2C	X	-3.718	3.5
119	MP2C	Z	6.44	3.5
120	MP2C	Mx	.004	3.5
121	MP4A	X	-4.101	2.5
122	MP4A	Z	7.104	2.5
123	MP4A	Mx	-.005	2.5
124	MP4A	X	-4.101	3.5
125	MP4A	Z	7.104	3.5
126	MP4A	Mx	-.005	3.5
127	MP4B	X	-3.433	2.5
128	MP4B	Z	5.947	2.5
129	MP4B	Mx	.004	2.5
130	MP4B	X	-3.433	3.5
131	MP4B	Z	5.947	3.5
132	MP4B	Mx	.004	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-15.921	3
2	MP2A	Z	9.192	3
3	MP2A	Mx	.004	3
4	MP2A	X	-15.921	5
5	MP2A	Z	9.192	5
6	MP2A	Mx	.004	5
7	MP2B	X	-8.42	3
8	MP2B	Z	4.861	3
9	MP2B	Mx	-.006	3
10	MP2B	X	-8.42	5
11	MP2B	Z	4.861	5
12	MP2B	Mx	-.006	5
13	MP4C	X	-17.067	3
14	MP4C	Z	9.853	3
15	MP4C	Mx	0	3
16	MP4C	X	-17.067	5
17	MP4C	Z	9.853	5
18	MP4C	Mx	0	5
19	MP1A	X	-33.684	.75
20	MP1A	Z	19.448	.75
21	MP1A	Mx	.015	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP1A	X	-33.684	3.5
23	MP1A	Z	19.448	3.5
24	MP1A	Mx	.015	3.5
25	MP1B	X	-30.379	.75
26	MP1B	Z	17.539	.75
27	MP1B	Mx	-.039	.75
28	MP1B	X	-30.379	3.5
29	MP1B	Z	17.539	3.5
30	MP1B	Mx	-.039	3.5
31	MP1C	X	-34.122	.75
32	MP1C	Z	19.7	.75
33	MP1C	Mx	0	.75
34	MP1C	X	-34.122	3.5
35	MP1C	Z	19.7	3.5
36	MP1C	Mx	0	3.5
37	MP3A	X	-33.684	.75
38	MP3A	Z	19.448	.75
39	MP3A	Mx	.015	.75
40	MP3A	X	-33.684	3.5
41	MP3A	Z	19.448	3.5
42	MP3A	Mx	.015	3.5
43	MP3B	X	-30.379	.75
44	MP3B	Z	17.539	.75
45	MP3B	Mx	-.039	.75
46	MP3B	X	-30.379	3.5
47	MP3B	Z	17.539	3.5
48	MP3B	Mx	-.039	3.5
49	MP5C	X	-34.122	.75
50	MP5C	Z	19.7	.75
51	MP5C	Mx	0	.75
52	MP5C	X	-34.122	3.5
53	MP5C	Z	19.7	3.5
54	MP5C	Mx	0	3.5
55	MP3C	X	-39.644	2
56	MP3C	Z	22.889	2
57	MP3C	Mx	.034	2
58	MP3C	X	-39.644	6
59	MP3C	Z	22.889	6
60	MP3C	Mx	.034	6
61	MP3C	X	-39.644	2
62	MP3C	Z	22.889	2
63	MP3C	Mx	-.034	2
64	MP3C	X	-39.644	6
65	MP3C	Z	22.889	6
66	MP3C	Mx	-.034	6
67	MP5B	X	-21.913	2
68	MP5B	Z	12.652	2
69	MP5B	Mx	-.016	2
70	MP5B	X	-21.913	6
71	MP5B	Z	12.652	6
72	MP5B	Mx	-.016	6
73	MP5B	X	-21.913	2
74	MP5B	Z	12.652	2
75	MP5B	Mx	-.029	2
76	MP5B	X	-21.913	6
77	MP5B	Z	12.652	6
78	MP5B	Mx	-.029	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP5A	X	-27.605	2
80	MP5A	Z	15.938	2
81	MP5A	Mx	-.007	2
82	MP5A	X	-27.605	6
83	MP5A	Z	15.938	6
84	MP5A	Mx	-.007	6
85	MP5A	X	-27.605	2
86	MP5A	Z	15.938	2
87	MP5A	Mx	.028	2
88	MP5A	X	-27.605	6
89	MP5A	Z	15.938	6
90	MP5A	Mx	.028	6
91	OVP	X	-14.404	.5
92	OVP	Z	8.316	.5
93	OVP	Mx	.01	.5
94	OVP	X	-14.404	2.5
95	OVP	Z	8.316	2.5
96	OVP	Mx	.01	2.5
97	MP2C	X	-5.262	1
98	MP2C	Z	3.038	1
99	MP2C	Mx	-.001	1
100	MP2C	X	-5.262	2
101	MP2C	Z	3.038	2
102	MP2C	Mx	-.001	2
103	MP4A	X	-6.939	1
104	MP4A	Z	4.006	1
105	MP4A	Mx	.005	1
106	MP4A	X	-6.939	2
107	MP4A	Z	4.006	2
108	MP4A	Mx	.005	2
109	MP4B	X	-5.262	1
110	MP4B	Z	3.038	1
111	MP4B	Mx	-.001	1
112	MP4B	X	-5.262	2
113	MP4B	Z	3.038	2
114	MP4B	Mx	-.001	2
115	MP2C	X	-7.195	2.5
116	MP2C	Z	4.154	2.5
117	MP2C	Mx	.006	2.5
118	MP2C	X	-7.195	3.5
119	MP2C	Z	4.154	3.5
120	MP2C	Mx	.006	3.5
121	MP4A	X	-6.842	2.5
122	MP4A	Z	3.95	2.5
123	MP4A	Mx	-.005	2.5
124	MP4A	X	-6.842	3.5
125	MP4A	Z	3.95	3.5
126	MP4A	Mx	-.005	3.5
127	MP4B	X	-4.528	2.5
128	MP4B	Z	2.614	2.5
129	MP4B	Mx	.001	2.5
130	MP4B	X	-4.528	3.5
131	MP4B	Z	2.614	3.5
132	MP4B	Mx	.001	3.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-13.071	3
2	MP2A	Z	0	3
3	MP2A	Mx	.007	3
4	MP2A	X	-13.071	5
5	MP2A	Z	0	5
6	MP2A	Mx	.007	5
7	MP2B	X	-8.741	3
8	MP2B	Z	0	3
9	MP2B	Mx	-.006	3
10	MP2B	X	-8.741	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.006	5
13	MP4C	X	-16.88	3
14	MP4C	Z	0	3
15	MP4C	Mx	-.006	3
16	MP4C	X	-16.88	5
17	MP4C	Z	0	5
18	MP4C	Mx	-.006	5
19	MP1A	X	-36.865	.75
20	MP1A	Z	0	.75
21	MP1A	Mx	.032	.75
22	MP1A	X	-36.865	3.5
23	MP1A	Z	0	3.5
24	MP1A	Mx	.032	3.5
25	MP1B	X	-36.159	.75
26	MP1B	Z	0	.75
27	MP1B	Mx	-.035	.75
28	MP1B	X	-36.159	3.5
29	MP1B	Z	0	3.5
30	MP1B	Mx	-.035	3.5
31	MP1C	X	-38.32	.75
32	MP1C	Z	0	.75
33	MP1C	Mx	-.022	.75
34	MP1C	X	-38.32	3.5
35	MP1C	Z	0	3.5
36	MP1C	Mx	-.022	3.5
37	MP3A	X	-36.865	.75
38	MP3A	Z	0	.75
39	MP3A	Mx	.032	.75
40	MP3A	X	-36.865	3.5
41	MP3A	Z	0	3.5
42	MP3A	Mx	.032	3.5
43	MP3B	X	-36.159	.75
44	MP3B	Z	0	.75
45	MP3B	Mx	-.035	.75
46	MP3B	X	-36.159	3.5
47	MP3B	Z	0	3.5
48	MP3B	Mx	-.035	3.5
49	MP5C	X	-38.32	.75
50	MP5C	Z	0	.75
51	MP5C	Mx	-.022	.75
52	MP5C	X	-38.32	3.5
53	MP5C	Z	0	3.5
54	MP5C	Mx	-.022	3.5
55	MP3C	X	-39.981	2
56	MP3C	Z	0	2
57	MP3C	Mx	.007	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-39.981	6
59	MP3C	Z	0	6
60	MP3C	Mx	.007	6
61	MP3C	X	-39.981	2
62	MP3C	Z	0	2
63	MP3C	Mx	-.045	2
64	MP3C	X	-39.981	6
65	MP3C	Z	0	6
66	MP3C	Mx	-.045	6
67	MP5B	X	-23.29	2
68	MP5B	Z	0	2
69	MP5B	Mx	-.025	2
70	MP5B	X	-23.29	6
71	MP5B	Z	0	6
72	MP5B	Mx	-.025	6
73	MP5B	X	-23.29	2
74	MP5B	Z	0	2
75	MP5B	Mx	-.019	2
76	MP5B	X	-23.29	6
77	MP5B	Z	0	6
78	MP5B	Mx	-.019	6
79	MP5A	X	-27.055	2
80	MP5A	Z	0	2
81	MP5A	Mx	.01	2
82	MP5A	X	-27.055	6
83	MP5A	Z	0	6
84	MP5A	Mx	.01	6
85	MP5A	X	-27.055	2
86	MP5A	Z	0	2
87	MP5A	Mx	.03	2
88	MP5A	X	-27.055	6
89	MP5A	Z	0	6
90	MP5A	Mx	.03	6
91	OVP	X	-14.885	.5
92	OVP	Z	0	.5
93	OVP	Mx	.006	.5
94	OVP	X	-14.885	2.5
95	OVP	Z	0	2.5
96	OVP	Mx	.006	2.5
97	MP2C	X	-5.857	1
98	MP2C	Z	0	1
99	MP2C	Mx	.000678	1
100	MP2C	X	-5.857	2
101	MP2C	Z	0	2
102	MP2C	Mx	.000678	2
103	MP4A	X	-6.825	1
104	MP4A	Z	0	1
105	MP4A	Mx	.003	1
106	MP4A	X	-6.825	2
107	MP4A	Z	0	2
108	MP4A	Mx	.003	2
109	MP4B	X	-5.857	1
110	MP4B	Z	0	1
111	MP4B	Mx	.000678	1
112	MP4B	X	-5.857	2
113	MP4B	Z	0	2
114	MP4B	Mx	.000678	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2C	X	-7.436	2.5
116	MP2C	Z	0	2.5
117	MP2C	Mx	.004	2.5
118	MP2C	X	-7.436	3.5
119	MP2C	Z	0	3.5
120	MP2C	Mx	.004	3.5
121	MP4A	X	-6.261	2.5
122	MP4A	Z	0	2.5
123	MP4A	Mx	-.003	2.5
124	MP4A	X	-6.261	3.5
125	MP4A	Z	0	3.5
126	MP4A	Mx	-.003	3.5
127	MP4B	X	-4.926	2.5
128	MP4B	Z	0	2.5
129	MP4B	Mx	-.00057	2.5
130	MP4B	X	-4.926	3.5
131	MP4B	Z	0	3.5
132	MP4B	Mx	-.00057	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.57	3
2	MP2A	Z	-4.37	3
3	MP2A	Mx	.006	3
4	MP2A	X	-7.57	5
5	MP2A	Z	-4.37	5
6	MP2A	Mx	.006	5
7	MP2B	X	-11.32	3
8	MP2B	Z	-6.536	3
9	MP2B	Mx	-.007	3
10	MP2B	X	-11.32	5
11	MP2B	Z	-6.536	5
12	MP2B	Mx	-.007	5
13	MP4C	X	-9.722	3
14	MP4C	Z	-5.613	3
15	MP4C	Mx	-.006	3
16	MP4C	X	-9.722	5
17	MP4C	Z	-5.613	5
18	MP4C	Mx	-.006	5
19	MP1A	X	-30.492	.75
20	MP1A	Z	-17.605	.75
21	MP1A	Mx	.039	.75
22	MP1A	X	-30.492	3.5
23	MP1A	Z	-17.605	3.5
24	MP1A	Mx	.039	3.5
25	MP1B	X	-33.186	.75
26	MP1B	Z	-19.16	.75
27	MP1B	Mx	-.022	.75
28	MP1B	X	-33.186	3.5
29	MP1B	Z	-19.16	3.5
30	MP1B	Mx	-.022	3.5
31	MP1C	X	-31.315	.75
32	MP1C	Z	-18.08	.75
33	MP1C	Mx	-.035	.75
34	MP1C	X	-31.315	3.5
35	MP1C	Z	-18.08	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP1C	Mx	-.035	3.5
37	MP3A	X	-30.492	.75
38	MP3A	Z	-17.605	.75
39	MP3A	Mx	.039	.75
40	MP3A	X	-30.492	3.5
41	MP3A	Z	-17.605	3.5
42	MP3A	Mx	.039	3.5
43	MP3B	X	-33.186	.75
44	MP3B	Z	-19.16	.75
45	MP3B	Mx	-.022	.75
46	MP3B	X	-33.186	3.5
47	MP3B	Z	-19.16	3.5
48	MP3B	Mx	-.022	3.5
49	MP5C	X	-31.315	.75
50	MP5C	Z	-18.08	.75
51	MP5C	Mx	-.035	.75
52	MP5C	X	-31.315	3.5
53	MP5C	Z	-18.08	3.5
54	MP5C	Mx	-.035	3.5
55	MP3C	X	-24.584	2
56	MP3C	Z	-14.194	2
57	MP3C	Mx	-.013	2
58	MP3C	X	-24.584	6
59	MP3C	Z	-14.194	6
60	MP3C	Mx	-.013	6
61	MP3C	X	-24.584	2
62	MP3C	Z	-14.194	2
63	MP3C	Mx	-.034	2
64	MP3C	X	-24.584	6
65	MP3C	Z	-14.194	6
66	MP3C	Mx	-.034	6
67	MP5B	X	-27.861	2
68	MP5B	Z	-16.086	2
69	MP5B	Mx	-.039	2
70	MP5B	X	-27.861	6
71	MP5B	Z	-16.086	6
72	MP5B	Mx	-.039	6
73	MP5B	X	-27.861	2
74	MP5B	Z	-16.086	2
75	MP5B	Mx	-.008	2
76	MP5B	X	-27.861	6
77	MP5B	Z	-16.086	6
78	MP5B	Mx	-.008	6
79	MP5A	X	-20.027	2
80	MP5A	Z	-11.562	2
81	MP5A	Mx	.019	2
82	MP5A	X	-20.027	6
83	MP5A	Z	-11.562	6
84	MP5A	Mx	.019	6
85	MP5A	X	-20.027	2
86	MP5A	Z	-11.562	2
87	MP5A	Mx	.024	2
88	MP5A	X	-20.027	6
89	MP5A	Z	-11.562	6
90	MP5A	Mx	.024	6
91	OVP	X	-11.657	.5
92	OVP	Z	-6.73	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	OVP	Mx	.002	.5
94	OVP	X	-11.657	2.5
95	OVP	Z	-6.73	2.5
96	OVP	Mx	.002	2.5
97	MP2C	X	-5.911	1
98	MP2C	Z	-3.412	1
99	MP2C	Mx	.003	1
100	MP2C	X	-5.911	2
101	MP2C	Z	-3.412	2
102	MP2C	Mx	.003	2
103	MP4A	X	-5.072	1
104	MP4A	Z	-2.928	1
105	MP4A	Mx	.000678	1
106	MP4A	X	-5.072	2
107	MP4A	Z	-2.928	2
108	MP4A	Mx	.000678	2
109	MP4B	X	-5.911	1
110	MP4B	Z	-3.412	1
111	MP4B	Mx	.003	1
112	MP4B	X	-5.911	2
113	MP4B	Z	-3.412	2
114	MP4B	Mx	.003	2
115	MP2C	X	-4.93	2.5
116	MP2C	Z	-2.846	2.5
117	MP2C	Mx	.002	2.5
118	MP2C	X	-4.93	3.5
119	MP2C	Z	-2.846	3.5
120	MP2C	Mx	.002	3.5
121	MP4A	X	-4.266	2.5
122	MP4A	Z	-2.463	2.5
123	MP4A	Mx	-.00057	2.5
124	MP4A	X	-4.266	3.5
125	MP4A	Z	-2.463	3.5
126	MP4A	Mx	-.00057	3.5
127	MP4B	X	-5.423	2.5
128	MP4B	Z	-3.131	2.5
129	MP4B	Mx	-.003	2.5
130	MP4B	X	-5.423	3.5
131	MP4B	Z	-3.131	3.5
132	MP4B	Mx	-.003	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.861	3
2	MP2A	Z	-8.42	3
3	MP2A	Mx	.006	3
4	MP2A	X	-4.861	5
5	MP2A	Z	-8.42	5
6	MP2A	Mx	.006	5
7	MP2B	X	-9.192	3
8	MP2B	Z	-15.921	3
9	MP2B	Mx	-.004	3
10	MP2B	X	-9.192	5
11	MP2B	Z	-15.921	5
12	MP2B	Mx	-.004	5
13	MP4C	X	-4.2	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP4C	Z	-7.274	3
15	MP4C	Mx	-.006	3
16	MP4C	X	-4.2	5
17	MP4C	Z	-7.274	5
18	MP4C	Mx	-.006	5
19	MP1A	X	-17.792	.75
20	MP1A	Z	-30.817	.75
21	MP1A	Mx	.038	.75
22	MP1A	X	-17.792	3.5
23	MP1A	Z	-30.817	3.5
24	MP1A	Mx	.038	3.5
25	MP1B	X	-19.7	.75
26	MP1B	Z	-34.122	.75
27	MP1B	Mx	0	.75
28	MP1B	X	-19.7	3.5
29	MP1B	Z	-34.122	3.5
30	MP1B	Mx	0	3.5
31	MP1C	X	-17.539	.75
32	MP1C	Z	-30.379	.75
33	MP1C	Mx	-.039	.75
34	MP1C	X	-17.539	3.5
35	MP1C	Z	-30.379	3.5
36	MP1C	Mx	-.039	3.5
37	MP3A	X	-17.792	.75
38	MP3A	Z	-30.817	.75
39	MP3A	Mx	.038	.75
40	MP3A	X	-17.792	3.5
41	MP3A	Z	-30.817	3.5
42	MP3A	Mx	.038	3.5
43	MP3B	X	-19.7	.75
44	MP3B	Z	-34.122	.75
45	MP3B	Mx	0	.75
46	MP3B	X	-19.7	3.5
47	MP3B	Z	-34.122	3.5
48	MP3B	Mx	0	3.5
49	MP5C	X	-17.539	.75
50	MP5C	Z	-30.379	.75
51	MP5C	Mx	-.039	.75
52	MP5C	X	-17.539	3.5
53	MP5C	Z	-30.379	3.5
54	MP5C	Mx	-.039	3.5
55	MP3C	X	-11.296	2
56	MP3C	Z	-19.565	2
57	MP3C	Mx	-.022	2
58	MP3C	X	-11.296	6
59	MP3C	Z	-19.565	6
60	MP3C	Mx	-.022	6
61	MP3C	X	-11.296	2
62	MP3C	Z	-19.565	2
63	MP3C	Mx	-.022	2
64	MP3C	X	-11.296	6
65	MP3C	Z	-19.565	6
66	MP3C	Mx	-.022	6
67	MP5B	X	-21.532	2
68	MP5B	Z	-37.295	2
69	MP5B	Mx	-.044	2
70	MP5B	X	-21.532	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP5B	Z	-37.295	6
72	MP5B	Mx	-.044	6
73	MP5B	X	-21.532	2
74	MP5B	Z	-37.295	2
75	MP5B	Mx	.016	2
76	MP5B	X	-21.532	6
77	MP5B	Z	-37.295	6
78	MP5B	Mx	.016	6
79	MP5A	X	-12.008	2
80	MP5A	Z	-20.798	2
81	MP5A	Mx	.026	2
82	MP5A	X	-12.008	6
83	MP5A	Z	-20.798	6
84	MP5A	Mx	.026	6
85	MP5A	X	-12.008	2
86	MP5A	Z	-20.798	2
87	MP5A	Mx	.017	2
88	MP5A	X	-12.008	6
89	MP5A	Z	-20.798	6
90	MP5A	Mx	.017	6
91	OVP	X	-6.892	.5
92	OVP	Z	-11.937	.5
93	OVP	Mx	-.003	.5
94	OVP	X	-6.892	2.5
95	OVP	Z	-11.937	2.5
96	OVP	Mx	-.003	2.5
97	MP2C	X	-4.006	1
98	MP2C	Z	-6.939	1
99	MP2C	Mx	.005	1
100	MP2C	X	-4.006	2
101	MP2C	Z	-6.939	2
102	MP2C	Mx	.005	2
103	MP4A	X	-3.038	1
104	MP4A	Z	-5.262	1
105	MP4A	Mx	-.001	1
106	MP4A	X	-3.038	2
107	MP4A	Z	-5.262	2
108	MP4A	Mx	-.001	2
109	MP4B	X	-4.006	1
110	MP4B	Z	-6.939	1
111	MP4B	Mx	.005	1
112	MP4B	X	-4.006	2
113	MP4B	Z	-6.939	2
114	MP4B	Mx	.005	2
115	MP2C	X	-2.41	2.5
116	MP2C	Z	-4.175	2.5
117	MP2C	Mx	0	2.5
118	MP2C	X	-2.41	3.5
119	MP2C	Z	-4.175	3.5
120	MP2C	Mx	0	3.5
121	MP4A	X	-2.614	2.5
122	MP4A	Z	-4.528	2.5
123	MP4A	Mx	.001	2.5
124	MP4A	X	-2.614	3.5
125	MP4A	Z	-4.528	3.5
126	MP4A	Mx	.001	3.5
127	MP4B	X	-3.95	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
128	MP4B	Z	-6.842	2.5
129	MP4B	Mx	-.005	2.5
130	MP4B	X	-3.95	3.5
131	MP4B	Z	-6.842	3.5
132	MP4B	Mx	-.005	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	3
2	MP2A	Z	-4.697	3
3	MP2A	Mx	.002	3
4	MP2A	X	0	5
5	MP2A	Z	-4.697	5
6	MP2A	Mx	.002	5
7	MP2B	X	0	3
8	MP2B	Z	-6.159	3
9	MP2B	Mx	.000713	3
10	MP2B	X	0	5
11	MP2B	Z	-6.159	5
12	MP2B	Mx	.000713	5
13	MP4C	X	0	3
14	MP4C	Z	-3.411	3
15	MP4C	Mx	-.002	3
16	MP4C	X	0	5
17	MP4C	Z	-3.411	5
18	MP4C	Mx	-.002	5
19	MP1A	X	0	.75
20	MP1A	Z	-12.391	.75
21	MP1A	Mx	.009	.75
22	MP1A	X	0	3.5
23	MP1A	Z	-12.391	3.5
24	MP1A	Mx	.009	3.5
25	MP1B	X	0	.75
26	MP1B	Z	-12.643	.75
27	MP1B	Mx	.007	.75
28	MP1B	X	0	3.5
29	MP1B	Z	-12.643	3.5
30	MP1B	Mx	.007	3.5
31	MP1C	X	0	.75
32	MP1C	Z	-11.871	.75
33	MP1C	Mx	-.012	.75
34	MP1C	X	0	3.5
35	MP1C	Z	-11.871	3.5
36	MP1C	Mx	-.012	3.5
37	MP3A	X	0	.75
38	MP3A	Z	-12.391	.75
39	MP3A	Mx	.009	.75
40	MP3A	X	0	3.5
41	MP3A	Z	-12.391	3.5
42	MP3A	Mx	.009	3.5
43	MP3B	X	0	.75
44	MP3B	Z	-12.643	.75
45	MP3B	Mx	.007	.75
46	MP3B	X	0	3.5
47	MP3B	Z	-12.643	3.5
48	MP3B	Mx	.007	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP5C	X	0	.75
50	MP5C	Z	-11.871	.75
51	MP5C	Mx	-.012	.75
52	MP5C	X	0	3.5
53	MP5C	Z	-11.871	3.5
54	MP5C	Mx	-.012	3.5
55	MP3C	X	0	2
56	MP3C	Z	-9.094	2
57	MP3C	Mx	-.011	2
58	MP3C	X	0	6
59	MP3C	Z	-9.094	6
60	MP3C	Mx	-.011	6
61	MP3C	X	0	2
62	MP3C	Z	-9.094	2
63	MP3C	Mx	-.004	2
64	MP3C	X	0	6
65	MP3C	Z	-9.094	6
66	MP3C	Mx	-.004	6
67	MP5B	X	0	2
68	MP5B	Z	-14.972	2
69	MP5B	Mx	-.009	2
70	MP5B	X	0	6
71	MP5B	Z	-14.972	6
72	MP5B	Mx	-.009	6
73	MP5B	X	0	2
74	MP5B	Z	-14.972	2
75	MP5B	Mx	.014	2
76	MP5B	X	0	6
77	MP5B	Z	-14.972	6
78	MP5B	Mx	.014	6
79	MP5A	X	0	2
80	MP5A	Z	-9.276	2
81	MP5A	Mx	.01	2
82	MP5A	X	0	6
83	MP5A	Z	-9.276	6
84	MP5A	Mx	.01	6
85	MP5A	X	0	2
86	MP5A	Z	-9.276	2
87	MP5A	Mx	.002	2
88	MP5A	X	0	6
89	MP5A	Z	-9.276	6
90	MP5A	Mx	.002	6
91	OVP	X	0	.5
92	OVP	Z	-4.889	.5
93	OVP	Mx	-.002	.5
94	OVP	X	0	2.5
95	OVP	Z	-4.889	2.5
96	OVP	Mx	-.002	2.5
97	MP2C	X	0	1
98	MP2C	Z	-2.471	1
99	MP2C	Mx	.002	1
100	MP2C	X	0	2
101	MP2C	Z	-2.471	2
102	MP2C	Mx	.002	2
103	MP4A	X	0	1
104	MP4A	Z	-2.154	1
105	MP4A	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP4A	X	0	2
107	MP4A	Z	-2.154	2
108	MP4A	Mx	-.001	2
109	MP4B	X	0	1
110	MP4B	Z	-2.471	1
111	MP4B	Mx	.002	1
112	MP4B	X	0	2
113	MP4B	Z	-2.471	2
114	MP4B	Mx	.002	2
115	MP2C	X	0	2.5
116	MP2C	Z	-1.638	2.5
117	MP2C	Mx	-.000546	2.5
118	MP2C	X	0	3.5
119	MP2C	Z	-1.638	3.5
120	MP2C	Mx	-.000546	3.5
121	MP4A	X	0	2.5
122	MP4A	Z	-2.023	2.5
123	MP4A	Mx	.001	2.5
124	MP4A	X	0	3.5
125	MP4A	Z	-2.023	3.5
126	MP4A	Mx	.001	3.5
127	MP4B	X	0	2.5
128	MP4B	Z	-2.462	2.5
129	MP4B	Mx	-.002	2.5
130	MP4B	X	0	3.5
131	MP4B	Z	-2.462	3.5
132	MP4B	Mx	-.002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.08	3
2	MP2A	Z	-5.334	3
3	MP2A	Mx	.000713	3
4	MP2A	X	3.08	5
5	MP2A	Z	-5.334	5
6	MP2A	Mx	.000713	5
7	MP2B	X	2.348	3
8	MP2B	Z	-4.068	3
9	MP2B	Mx	.002	3
10	MP2B	X	2.348	5
11	MP2B	Z	-4.068	5
12	MP2B	Mx	.002	5
13	MP4C	X	2.66	3
14	MP4C	Z	-4.607	3
15	MP4C	Mx	-.002	3
16	MP4C	X	2.66	5
17	MP4C	Z	-4.607	5
18	MP4C	Mx	-.002	5
19	MP1A	X	6.491	.75
20	MP1A	Z	-11.243	.75
21	MP1A	Mx	.003	.75
22	MP1A	X	6.491	3.5
23	MP1A	Z	-11.243	3.5
24	MP1A	Mx	.003	3.5
25	MP1B	X	5.936	.75
26	MP1B	Z	-10.281	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP1B	Mx	.012	.75
28	MP1B	X	5.936	3.5
29	MP1B	Z	-10.281	3.5
30	MP1B	Mx	.012	3.5
31	MP1C	X	6.322	.75
32	MP1C	Z	-10.949	.75
33	MP1C	Mx	-.007	.75
34	MP1C	X	6.322	3.5
35	MP1C	Z	-10.949	3.5
36	MP1C	Mx	-.007	3.5
37	MP3A	X	6.491	.75
38	MP3A	Z	-11.243	.75
39	MP3A	Mx	.003	.75
40	MP3A	X	6.491	3.5
41	MP3A	Z	-11.243	3.5
42	MP3A	Mx	.003	3.5
43	MP3B	X	5.936	.75
44	MP3B	Z	-10.281	.75
45	MP3B	Mx	.012	.75
46	MP3B	X	5.936	3.5
47	MP3B	Z	-10.281	3.5
48	MP3B	Mx	.012	3.5
49	MP5C	X	6.322	.75
50	MP5C	Z	-10.949	.75
51	MP5C	Mx	-.007	.75
52	MP5C	X	6.322	3.5
53	MP5C	Z	-10.949	3.5
54	MP5C	Mx	-.007	3.5
55	MP3C	X	6.589	2
56	MP3C	Z	-11.412	2
57	MP3C	Mx	-.015	2
58	MP3C	X	6.589	6
59	MP3C	Z	-11.412	6
60	MP3C	Mx	-.015	6
61	MP3C	X	6.589	2
62	MP3C	Z	-11.412	2
63	MP3C	Mx	.002	2
64	MP3C	X	6.589	6
65	MP3C	Z	-11.412	6
66	MP3C	Mx	.002	6
67	MP5B	X	5.922	2
68	MP5B	Z	-10.258	2
69	MP5B	Mx	.000491	2
70	MP5B	X	5.922	6
71	MP5B	Z	-10.258	6
72	MP5B	Mx	.000491	6
73	MP5B	X	5.922	2
74	MP5B	Z	-10.258	2
75	MP5B	Mx	.014	2
76	MP5B	X	5.922	6
77	MP5B	Z	-10.258	6
78	MP5B	Mx	.014	6
79	MP5A	X	5.338	2
80	MP5A	Z	-9.246	2
81	MP5A	Mx	.008	2
82	MP5A	X	5.338	6
83	MP5A	Z	-9.246	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP5A	Mx	.008	6
85	MP5A	X	5.338	2
86	MP5A	Z	-9.246	2
87	MP5A	Mx	-.004	2
88	MP5A	X	5.338	6
89	MP5A	Z	-9.246	6
90	MP5A	Mx	-.004	6
91	OVP	X	2.691	.5
92	OVP	Z	-4.66	.5
93	OVP	Mx	-.004	.5
94	OVP	X	2.691	2.5
95	OVP	Z	-4.66	2.5
96	OVP	Mx	-.004	2.5
97	MP2C	X	1.077	1
98	MP2C	Z	-1.866	1
99	MP2C	Mx	.001	1
100	MP2C	X	1.077	2
101	MP2C	Z	-1.866	2
102	MP2C	Mx	.001	2
103	MP4A	X	1.236	1
104	MP4A	Z	-2.14	1
105	MP4A	Mx	-.002	1
106	MP4A	X	1.236	2
107	MP4A	Z	-2.14	2
108	MP4A	Mx	-.002	2
109	MP4B	X	1.077	1
110	MP4B	Z	-1.866	1
111	MP4B	Mx	.001	1
112	MP4B	X	1.077	2
113	MP4B	Z	-1.866	2
114	MP4B	Mx	.001	2
115	MP2C	X	1.105	2.5
116	MP2C	Z	-1.914	2.5
117	MP2C	Mx	-.001	2.5
118	MP2C	X	1.105	3.5
119	MP2C	Z	-1.914	3.5
120	MP2C	Mx	-.001	3.5
121	MP4A	X	1.231	2.5
122	MP4A	Z	-2.132	2.5
123	MP4A	Mx	.002	2.5
124	MP4A	X	1.231	3.5
125	MP4A	Z	-2.132	3.5
126	MP4A	Mx	.002	3.5
127	MP4B	X	1.012	2.5
128	MP4B	Z	-1.752	2.5
129	MP4B	Mx	-.001	2.5
130	MP4B	X	1.012	3.5
131	MP4B	Z	-1.752	3.5
132	MP4B	Mx	-.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.047	3
2	MP2A	Z	-2.914	3
3	MP2A	Mx	-.001	3
4	MP2A	X	5.047	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	Z	-2.914	5
6	MP2A	Mx	-.001	5
7	MP2B	X	2.514	3
8	MP2B	Z	-1.452	3
9	MP2B	Mx	.002	3
10	MP2B	X	2.514	5
11	MP2B	Z	-1.452	5
12	MP2B	Mx	.002	5
13	MP4C	X	5.434	3
14	MP4C	Z	-3.137	3
15	MP4C	Mx	0	3
16	MP4C	X	5.434	5
17	MP4C	Z	-3.137	5
18	MP4C	Mx	0	5
19	MP1A	X	11.127	.75
20	MP1A	Z	-6.424	.75
21	MP1A	Mx	-.005	.75
22	MP1A	X	11.127	3.5
23	MP1A	Z	-6.424	3.5
24	MP1A	Mx	-.005	3.5
25	MP1B	X	9.946	.75
26	MP1B	Z	-5.743	.75
27	MP1B	Mx	.013	.75
28	MP1B	X	9.946	3.5
29	MP1B	Z	-5.743	3.5
30	MP1B	Mx	.013	3.5
31	MP1C	X	11.284	.75
32	MP1C	Z	-6.515	.75
33	MP1C	Mx	0	.75
34	MP1C	X	11.284	3.5
35	MP1C	Z	-6.515	3.5
36	MP1C	Mx	0	3.5
37	MP3A	X	11.127	.75
38	MP3A	Z	-6.424	.75
39	MP3A	Mx	-.005	.75
40	MP3A	X	11.127	3.5
41	MP3A	Z	-6.424	3.5
42	MP3A	Mx	-.005	3.5
43	MP3B	X	9.946	.75
44	MP3B	Z	-5.743	.75
45	MP3B	Mx	.013	.75
46	MP3B	X	9.946	3.5
47	MP3B	Z	-5.743	3.5
48	MP3B	Mx	.013	3.5
49	MP5C	X	11.284	.75
50	MP5C	Z	-6.515	.75
51	MP5C	Mx	0	.75
52	MP5C	X	11.284	3.5
53	MP5C	Z	-6.515	3.5
54	MP5C	Mx	0	3.5
55	MP3C	X	13.18	2
56	MP3C	Z	-7.609	2
57	MP3C	Mx	-.011	2
58	MP3C	X	13.18	6
59	MP3C	Z	-7.609	6
60	MP3C	Mx	-.011	6
61	MP3C	X	13.18	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP3C	Z	-7.609	2
63	MP3C	Mx	.011	2
64	MP3C	X	13.18	6
65	MP3C	Z	-7.609	6
66	MP3C	Mx	.011	6
67	MP5B	X	6.935	2
68	MP5B	Z	-4.004	2
69	MP5B	Mx	.005	2
70	MP5B	X	6.935	6
71	MP5B	Z	-4.004	6
72	MP5B	Mx	.005	6
73	MP5B	X	6.935	2
74	MP5B	Z	-4.004	2
75	MP5B	Mx	.009	2
76	MP5B	X	6.935	6
77	MP5B	Z	-4.004	6
78	MP5B	Mx	.009	6
79	MP5A	X	8.971	2
80	MP5A	Z	-5.179	2
81	MP5A	Mx	.002	2
82	MP5A	X	8.971	6
83	MP5A	Z	-5.179	6
84	MP5A	Mx	.002	6
85	MP5A	X	8.971	2
86	MP5A	Z	-5.179	2
87	MP5A	Mx	-.009	2
88	MP5A	X	8.971	6
89	MP5A	Z	-5.179	6
90	MP5A	Mx	-.009	6
91	OVP	X	4.564	.5
92	OVP	Z	-2.635	.5
93	OVP	Mx	-.003	.5
94	OVP	X	4.564	2.5
95	OVP	Z	-2.635	2.5
96	OVP	Mx	-.003	2.5
97	MP2C	X	1.529	1
98	MP2C	Z	-.883	1
99	MP2C	Mx	.000403	1
100	MP2C	X	1.529	2
101	MP2C	Z	-.883	2
102	MP2C	Mx	.000403	2
103	MP4A	X	2.078	1
104	MP4A	Z	-1.2	1
105	MP4A	Mx	-.002	1
106	MP4A	X	2.078	2
107	MP4A	Z	-1.2	2
108	MP4A	Mx	-.002	2
109	MP4B	X	1.529	1
110	MP4B	Z	-.883	1
111	MP4B	Mx	.000403	1
112	MP4B	X	1.529	2
113	MP4B	Z	-.883	2
114	MP4B	Mx	.000403	2
115	MP2C	X	2.162	2.5
116	MP2C	Z	-1.248	2.5
117	MP2C	Mx	-.002	2.5
118	MP2C	X	2.162	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP2C	Z	-1.248	3.5
120	MP2C	Mx	-.002	3.5
121	MP4A	X	2.046	2.5
122	MP4A	Z	-1.181	2.5
123	MP4A	Mx	.001	2.5
124	MP4A	X	2.046	3.5
125	MP4A	Z	-1.181	3.5
126	MP4A	Mx	.001	3.5
127	MP4B	X	1.287	2.5
128	MP4B	Z	-.743	2.5
129	MP4B	Mx	-.000339	2.5
130	MP4B	X	1.287	3.5
131	MP4B	Z	-.743	3.5
132	MP4B	Mx	-.000339	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.034	3
2	MP2A	Z	0	3
3	MP2A	Mx	-.002	3
4	MP2A	X	4.034	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.002	5
7	MP2B	X	2.572	3
8	MP2B	Z	0	3
9	MP2B	Mx	.002	3
10	MP2B	X	2.572	5
11	MP2B	Z	0	5
12	MP2B	Mx	.002	5
13	MP4C	X	5.32	3
14	MP4C	Z	0	3
15	MP4C	Mx	.002	3
16	MP4C	X	5.32	5
17	MP4C	Z	0	5
18	MP4C	Mx	.002	5
19	MP1A	X	12.123	.75
20	MP1A	Z	0	.75
21	MP1A	Mx	-.01	.75
22	MP1A	X	12.123	3.5
23	MP1A	Z	0	3.5
24	MP1A	Mx	-.01	3.5
25	MP1B	X	11.871	.75
26	MP1B	Z	0	.75
27	MP1B	Mx	.012	.75
28	MP1B	X	11.871	3.5
29	MP1B	Z	0	3.5
30	MP1B	Mx	.012	3.5
31	MP1C	X	12.643	.75
32	MP1C	Z	0	.75
33	MP1C	Mx	.007	.75
34	MP1C	X	12.643	3.5
35	MP1C	Z	0	3.5
36	MP1C	Mx	.007	3.5
37	MP3A	X	12.123	.75
38	MP3A	Z	0	.75
39	MP3A	Mx	-.01	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP3A	X	12.123	3.5
41	MP3A	Z	0	3.5
42	MP3A	Mx	-.01	3.5
43	MP3B	X	11.871	.75
44	MP3B	Z	0	.75
45	MP3B	Mx	.012	.75
46	MP3B	X	11.871	3.5
47	MP3B	Z	0	3.5
48	MP3B	Mx	.012	3.5
49	MP5C	X	12.643	.75
50	MP5C	Z	0	.75
51	MP5C	Mx	.007	.75
52	MP5C	X	12.643	3.5
53	MP5C	Z	0	3.5
54	MP5C	Mx	.007	3.5
55	MP3C	X	13.177	2
56	MP3C	Z	0	2
57	MP3C	Mx	-.002	2
58	MP3C	X	13.177	6
59	MP3C	Z	0	6
60	MP3C	Mx	-.002	6
61	MP3C	X	13.177	2
62	MP3C	Z	0	2
63	MP3C	Mx	.015	2
64	MP3C	X	13.177	6
65	MP3C	Z	0	6
66	MP3C	Mx	.015	6
67	MP5B	X	7.299	2
68	MP5B	Z	0	2
69	MP5B	Mx	.008	2
70	MP5B	X	7.299	6
71	MP5B	Z	0	6
72	MP5B	Mx	.008	6
73	MP5B	X	7.299	2
74	MP5B	Z	0	2
75	MP5B	Mx	.006	2
76	MP5B	X	7.299	6
77	MP5B	Z	0	6
78	MP5B	Mx	.006	6
79	MP5A	X	8.641	2
80	MP5A	Z	0	2
81	MP5A	Mx	-.003	2
82	MP5A	X	8.641	6
83	MP5A	Z	0	6
84	MP5A	Mx	-.003	6
85	MP5A	X	8.641	2
86	MP5A	Z	0	2
87	MP5A	Mx	-.01	2
88	MP5A	X	8.641	6
89	MP5A	Z	0	6
90	MP5A	Mx	-.01	6
91	OVP	X	4.666	.5
92	OVP	Z	0	.5
93	OVP	Mx	-.002	.5
94	OVP	X	4.666	2.5
95	OVP	Z	0	2.5
96	OVP	Mx	-.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP2C	X	1.694	1
98	MP2C	Z	0	1
99	MP2C	Mx	-.000196	1
100	MP2C	X	1.694	2
101	MP2C	Z	0	2
102	MP2C	Mx	-.000196	2
103	MP4A	X	2.011	1
104	MP4A	Z	0	1
105	MP4A	Mx	-.000862	1
106	MP4A	X	2.011	2
107	MP4A	Z	0	2
108	MP4A	Mx	-.000862	2
109	MP4B	X	1.694	1
110	MP4B	Z	0	1
111	MP4B	Mx	-.000196	1
112	MP4B	X	1.694	2
113	MP4B	Z	0	2
114	MP4B	Mx	-.000196	2
115	MP2C	X	2.21	2.5
116	MP2C	Z	0	2.5
117	MP2C	Mx	-.001	2.5
118	MP2C	X	2.21	3.5
119	MP2C	Z	0	3.5
120	MP2C	Mx	-.001	3.5
121	MP4A	X	1.825	2.5
122	MP4A	Z	0	2.5
123	MP4A	Mx	.000782	2.5
124	MP4A	X	1.825	3.5
125	MP4A	Z	0	3.5
126	MP4A	Mx	.000782	3.5
127	MP4B	X	1.386	2.5
128	MP4B	Z	0	2.5
129	MP4B	Mx	.00016	2.5
130	MP4B	X	1.386	3.5
131	MP4B	Z	0	3.5
132	MP4B	Mx	.00016	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.227	3
2	MP2A	Z	1.286	3
3	MP2A	Mx	-.002	3
4	MP2A	X	2.227	5
5	MP2A	Z	1.286	5
6	MP2A	Mx	-.002	5
7	MP2B	X	3.493	3
8	MP2B	Z	2.017	3
9	MP2B	Mx	.002	3
10	MP2B	X	3.493	5
11	MP2B	Z	2.017	5
12	MP2B	Mx	.002	5
13	MP4C	X	2.954	3
14	MP4C	Z	1.705	3
15	MP4C	Mx	.002	3
16	MP4C	X	2.954	5
17	MP4C	Z	1.705	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4C	Mx	.002	5
19	MP1A	X	9.987	.75
20	MP1A	Z	5.766	.75
21	MP1A	Mx	-.013	.75
22	MP1A	X	9.987	3.5
23	MP1A	Z	5.766	3.5
24	MP1A	Mx	-.013	3.5
25	MP1B	X	10.949	.75
26	MP1B	Z	6.322	.75
27	MP1B	Mx	.007	.75
28	MP1B	X	10.949	3.5
29	MP1B	Z	6.322	3.5
30	MP1B	Mx	.007	3.5
31	MP1C	X	10.281	.75
32	MP1C	Z	5.936	.75
33	MP1C	Mx	.012	.75
34	MP1C	X	10.281	3.5
35	MP1C	Z	5.936	3.5
36	MP1C	Mx	.012	3.5
37	MP3A	X	9.987	.75
38	MP3A	Z	5.766	.75
39	MP3A	Mx	-.013	.75
40	MP3A	X	9.987	3.5
41	MP3A	Z	5.766	3.5
42	MP3A	Mx	-.013	3.5
43	MP3B	X	10.949	.75
44	MP3B	Z	6.322	.75
45	MP3B	Mx	.007	.75
46	MP3B	X	10.949	3.5
47	MP3B	Z	6.322	3.5
48	MP3B	Mx	.007	3.5
49	MP5C	X	10.281	.75
50	MP5C	Z	5.936	.75
51	MP5C	Mx	.012	.75
52	MP5C	X	10.281	3.5
53	MP5C	Z	5.936	3.5
54	MP5C	Mx	.012	3.5
55	MP3C	X	7.876	2
56	MP3C	Z	4.547	2
57	MP3C	Mx	.004	2
58	MP3C	X	7.876	6
59	MP3C	Z	4.547	6
60	MP3C	Mx	.004	6
61	MP3C	X	7.876	2
62	MP3C	Z	4.547	2
63	MP3C	Mx	.011	2
64	MP3C	X	7.876	6
65	MP3C	Z	4.547	6
66	MP3C	Mx	.011	6
67	MP5B	X	9.03	2
68	MP5B	Z	5.213	2
69	MP5B	Mx	.013	2
70	MP5B	X	9.03	6
71	MP5B	Z	5.213	6
72	MP5B	Mx	.013	6
73	MP5B	X	9.03	2
74	MP5B	Z	5.213	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP5B	Mx	.003	2
76	MP5B	X	9.03	6
77	MP5B	Z	5.213	6
78	MP5B	Mx	.003	6
79	MP5A	X	6.271	2
80	MP5A	Z	3.621	2
81	MP5A	Mx	-.006	2
82	MP5A	X	6.271	6
83	MP5A	Z	3.621	6
84	MP5A	Mx	-.006	6
85	MP5A	X	6.271	2
86	MP5A	Z	3.621	2
87	MP5A	Mx	-.008	2
88	MP5A	X	6.271	6
89	MP5A	Z	3.621	6
90	MP5A	Mx	-.008	6
91	OVP	X	3.615	.5
92	OVP	Z	2.087	.5
93	OVP	Mx	-.000483	.5
94	OVP	X	3.615	2.5
95	OVP	Z	2.087	2.5
96	OVP	Mx	-.000483	2.5
97	MP2C	X	1.741	1
98	MP2C	Z	1.005	1
99	MP2C	Mx	-.000861	1
100	MP2C	X	1.741	2
101	MP2C	Z	1.005	2
102	MP2C	Mx	-.000861	2
103	MP4A	X	1.467	1
104	MP4A	Z	.847	1
105	MP4A	Mx	-.000196	1
106	MP4A	X	1.467	2
107	MP4A	Z	.847	2
108	MP4A	Mx	-.000196	2
109	MP4B	X	1.741	1
110	MP4B	Z	1.005	1
111	MP4B	Mx	-.000861	1
112	MP4B	X	1.741	2
113	MP4B	Z	1.005	2
114	MP4B	Mx	-.000861	2
115	MP2C	X	1.418	2.5
116	MP2C	Z	.819	2.5
117	MP2C	Mx	-.000546	2.5
118	MP2C	X	1.418	3.5
119	MP2C	Z	.819	3.5
120	MP2C	Mx	-.000546	3.5
121	MP4A	X	1.2	2.5
122	MP4A	Z	.693	2.5
123	MP4A	Mx	.00016	2.5
124	MP4A	X	1.2	3.5
125	MP4A	Z	.693	3.5
126	MP4A	Mx	.00016	3.5
127	MP4B	X	1.58	2.5
128	MP4B	Z	.912	2.5
129	MP4B	Mx	.000782	2.5
130	MP4B	X	1.58	3.5
131	MP4B	Z	.912	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
132	MP4B	Mx	.000782	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.452	3
2	MP2A	Z	2.514	3
3	MP2A	Mx	-.002	3
4	MP2A	X	1.452	5
5	MP2A	Z	2.514	5
6	MP2A	Mx	-.002	5
7	MP2B	X	2.914	3
8	MP2B	Z	5.047	3
9	MP2B	Mx	.001	3
10	MP2B	X	2.914	5
11	MP2B	Z	5.047	5
12	MP2B	Mx	.001	5
13	MP4C	X	1.228	3
14	MP4C	Z	2.127	3
15	MP4C	Mx	.002	3
16	MP4C	X	1.228	5
17	MP4C	Z	2.127	5
18	MP4C	Mx	.002	5
19	MP1A	X	5.833	.75
20	MP1A	Z	10.103	.75
21	MP1A	Mx	-.012	.75
22	MP1A	X	5.833	3.5
23	MP1A	Z	10.103	3.5
24	MP1A	Mx	-.012	3.5
25	MP1B	X	6.515	.75
26	MP1B	Z	11.284	.75
27	MP1B	Mx	0	.75
28	MP1B	X	6.515	3.5
29	MP1B	Z	11.284	3.5
30	MP1B	Mx	0	3.5
31	MP1C	X	5.743	.75
32	MP1C	Z	9.946	.75
33	MP1C	Mx	.013	.75
34	MP1C	X	5.743	3.5
35	MP1C	Z	9.946	3.5
36	MP1C	Mx	.013	3.5
37	MP3A	X	5.833	.75
38	MP3A	Z	10.103	.75
39	MP3A	Mx	-.012	.75
40	MP3A	X	5.833	3.5
41	MP3A	Z	10.103	3.5
42	MP3A	Mx	-.012	3.5
43	MP3B	X	6.515	.75
44	MP3B	Z	11.284	.75
45	MP3B	Mx	0	.75
46	MP3B	X	6.515	3.5
47	MP3B	Z	11.284	3.5
48	MP3B	Mx	0	3.5
49	MP5C	X	5.743	.75
50	MP5C	Z	9.946	.75
51	MP5C	Mx	.013	.75
52	MP5C	X	5.743	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP5C	Z	9.946	3.5
54	MP5C	Mx	.013	3.5
55	MP3C	X	3.527	2
56	MP3C	Z	6.108	2
57	MP3C	Mx	.007	2
58	MP3C	X	3.527	6
59	MP3C	Z	6.108	6
60	MP3C	Mx	.007	6
61	MP3C	X	3.527	2
62	MP3C	Z	6.108	2
63	MP3C	Mx	.007	2
64	MP3C	X	3.527	6
65	MP3C	Z	6.108	6
66	MP3C	Mx	.007	6
67	MP5B	X	7.132	2
68	MP5B	Z	12.353	2
69	MP5B	Mx	.015	2
70	MP5B	X	7.132	6
71	MP5B	Z	12.353	6
72	MP5B	Mx	.015	6
73	MP5B	X	7.132	2
74	MP5B	Z	12.353	2
75	MP5B	Mx	-.005	2
76	MP5B	X	7.132	6
77	MP5B	Z	12.353	6
78	MP5B	Mx	-.005	6
79	MP5A	X	3.779	2
80	MP5A	Z	6.546	2
81	MP5A	Mx	-.008	2
82	MP5A	X	3.779	6
83	MP5A	Z	6.546	6
84	MP5A	Mx	-.008	6
85	MP5A	X	3.779	2
86	MP5A	Z	6.546	2
87	MP5A	Mx	-.005	2
88	MP5A	X	3.779	6
89	MP5A	Z	6.546	6
90	MP5A	Mx	-.005	6
91	OVP	X	2.143	.5
92	OVP	Z	3.711	.5
93	OVP	Mx	.000977	.5
94	OVP	X	2.143	2.5
95	OVP	Z	3.711	2.5
96	OVP	Mx	.000977	2.5
97	MP2C	X	1.2	1
98	MP2C	Z	2.078	1
99	MP2C	Mx	-.002	1
100	MP2C	X	1.2	2
101	MP2C	Z	2.078	2
102	MP2C	Mx	-.002	2
103	MP4A	X	.883	1
104	MP4A	Z	1.529	1
105	MP4A	Mx	.000402	1
106	MP4A	X	.883	2
107	MP4A	Z	1.529	2
108	MP4A	Mx	.000402	2
109	MP4B	X	1.2	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP4B	Z	2.078	1
111	MP4B	Mx	-.002	1
112	MP4B	X	1.2	2
113	MP4B	Z	2.078	2
114	MP4B	Mx	-.002	2
115	MP2C	X	.676	2.5
116	MP2C	Z	1.171	2.5
117	MP2C	Mx	0	2.5
118	MP2C	X	.676	3.5
119	MP2C	Z	1.171	3.5
120	MP2C	Mx	0	3.5
121	MP4A	X	.743	2.5
122	MP4A	Z	1.287	2.5
123	MP4A	Mx	-.000339	2.5
124	MP4A	X	.743	3.5
125	MP4A	Z	1.287	3.5
126	MP4A	Mx	-.000339	3.5
127	MP4B	X	1.181	2.5
128	MP4B	Z	2.046	2.5
129	MP4B	Mx	.001	2.5
130	MP4B	X	1.181	3.5
131	MP4B	Z	2.046	3.5
132	MP4B	Mx	.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	3
2	MP2A	Z	4.697	3
3	MP2A	Mx	-.002	3
4	MP2A	X	0	5
5	MP2A	Z	4.697	5
6	MP2A	Mx	-.002	5
7	MP2B	X	0	3
8	MP2B	Z	6.159	3
9	MP2B	Mx	-.000713	3
10	MP2B	X	0	5
11	MP2B	Z	6.159	5
12	MP2B	Mx	-.000713	5
13	MP4C	X	0	3
14	MP4C	Z	3.411	3
15	MP4C	Mx	.002	3
16	MP4C	X	0	5
17	MP4C	Z	3.411	5
18	MP4C	Mx	.002	5
19	MP1A	X	0	.75
20	MP1A	Z	12.391	.75
21	MP1A	Mx	-.009	.75
22	MP1A	X	0	3.5
23	MP1A	Z	12.391	3.5
24	MP1A	Mx	-.009	3.5
25	MP1B	X	0	.75
26	MP1B	Z	12.643	.75
27	MP1B	Mx	-.007	.75
28	MP1B	X	0	3.5
29	MP1B	Z	12.643	3.5
30	MP1B	Mx	-.007	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP1C	X	0	.75
32	MP1C	Z	11.871	.75
33	MP1C	Mx	.012	.75
34	MP1C	X	0	3.5
35	MP1C	Z	11.871	3.5
36	MP1C	Mx	.012	3.5
37	MP3A	X	0	.75
38	MP3A	Z	12.391	.75
39	MP3A	Mx	-.009	.75
40	MP3A	X	0	3.5
41	MP3A	Z	12.391	3.5
42	MP3A	Mx	-.009	3.5
43	MP3B	X	0	.75
44	MP3B	Z	12.643	.75
45	MP3B	Mx	-.007	.75
46	MP3B	X	0	3.5
47	MP3B	Z	12.643	3.5
48	MP3B	Mx	-.007	3.5
49	MP5C	X	0	.75
50	MP5C	Z	11.871	.75
51	MP5C	Mx	.012	.75
52	MP5C	X	0	3.5
53	MP5C	Z	11.871	3.5
54	MP5C	Mx	.012	3.5
55	MP3C	X	0	2
56	MP3C	Z	9.094	2
57	MP3C	Mx	.011	2
58	MP3C	X	0	6
59	MP3C	Z	9.094	6
60	MP3C	Mx	.011	6
61	MP3C	X	0	2
62	MP3C	Z	9.094	2
63	MP3C	Mx	.004	2
64	MP3C	X	0	6
65	MP3C	Z	9.094	6
66	MP3C	Mx	.004	6
67	MP5B	X	0	2
68	MP5B	Z	14.972	2
69	MP5B	Mx	.009	2
70	MP5B	X	0	6
71	MP5B	Z	14.972	6
72	MP5B	Mx	.009	6
73	MP5B	X	0	2
74	MP5B	Z	14.972	2
75	MP5B	Mx	-.014	2
76	MP5B	X	0	6
77	MP5B	Z	14.972	6
78	MP5B	Mx	-.014	6
79	MP5A	X	0	2
80	MP5A	Z	9.276	2
81	MP5A	Mx	-.01	2
82	MP5A	X	0	6
83	MP5A	Z	9.276	6
84	MP5A	Mx	-.01	6
85	MP5A	X	0	2
86	MP5A	Z	9.276	2
87	MP5A	Mx	-.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP5A	X	0	6
89	MP5A	Z	9.276	6
90	MP5A	Mx	-.002	6
91	OVP	X	0	.5
92	OVP	Z	4.889	.5
93	OVP	Mx	.002	.5
94	OVP	X	0	2.5
95	OVP	Z	4.889	2.5
96	OVP	Mx	.002	2.5
97	MP2C	X	0	1
98	MP2C	Z	2.471	1
99	MP2C	Mx	-.002	1
100	MP2C	X	0	2
101	MP2C	Z	2.471	2
102	MP2C	Mx	-.002	2
103	MP4A	X	0	1
104	MP4A	Z	2.154	1
105	MP4A	Mx	.001	1
106	MP4A	X	0	2
107	MP4A	Z	2.154	2
108	MP4A	Mx	.001	2
109	MP4B	X	0	1
110	MP4B	Z	2.471	1
111	MP4B	Mx	-.002	1
112	MP4B	X	0	2
113	MP4B	Z	2.471	2
114	MP4B	Mx	-.002	2
115	MP2C	X	0	2.5
116	MP2C	Z	1.638	2.5
117	MP2C	Mx	.000546	2.5
118	MP2C	X	0	3.5
119	MP2C	Z	1.638	3.5
120	MP2C	Mx	.000546	3.5
121	MP4A	X	0	2.5
122	MP4A	Z	2.023	2.5
123	MP4A	Mx	-.001	2.5
124	MP4A	X	0	3.5
125	MP4A	Z	2.023	3.5
126	MP4A	Mx	-.001	3.5
127	MP4B	X	0	2.5
128	MP4B	Z	2.462	2.5
129	MP4B	Mx	.002	2.5
130	MP4B	X	0	3.5
131	MP4B	Z	2.462	3.5
132	MP4B	Mx	.002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.08	3
2	MP2A	Z	5.334	3
3	MP2A	Mx	-.000713	3
4	MP2A	X	-3.08	5
5	MP2A	Z	5.334	5
6	MP2A	Mx	-.000713	5
7	MP2B	X	-2.348	3
8	MP2B	Z	4.068	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	-.002	3
10	MP2B	X	-2.348	5
11	MP2B	Z	4.068	5
12	MP2B	Mx	-.002	5
13	MP4C	X	-2.66	3
14	MP4C	Z	4.607	3
15	MP4C	Mx	.002	3
16	MP4C	X	-2.66	5
17	MP4C	Z	4.607	5
18	MP4C	Mx	.002	5
19	MP1A	X	-6.491	.75
20	MP1A	Z	11.243	.75
21	MP1A	Mx	-.003	.75
22	MP1A	X	-6.491	3.5
23	MP1A	Z	11.243	3.5
24	MP1A	Mx	-.003	3.5
25	MP1B	X	-5.936	.75
26	MP1B	Z	10.281	.75
27	MP1B	Mx	-.012	.75
28	MP1B	X	-5.936	3.5
29	MP1B	Z	10.281	3.5
30	MP1B	Mx	-.012	3.5
31	MP1C	X	-6.322	.75
32	MP1C	Z	10.949	.75
33	MP1C	Mx	.007	.75
34	MP1C	X	-6.322	3.5
35	MP1C	Z	10.949	3.5
36	MP1C	Mx	.007	3.5
37	MP3A	X	-6.491	.75
38	MP3A	Z	11.243	.75
39	MP3A	Mx	-.003	.75
40	MP3A	X	-6.491	3.5
41	MP3A	Z	11.243	3.5
42	MP3A	Mx	-.003	3.5
43	MP3B	X	-5.936	.75
44	MP3B	Z	10.281	.75
45	MP3B	Mx	-.012	.75
46	MP3B	X	-5.936	3.5
47	MP3B	Z	10.281	3.5
48	MP3B	Mx	-.012	3.5
49	MP5C	X	-6.322	.75
50	MP5C	Z	10.949	.75
51	MP5C	Mx	.007	.75
52	MP5C	X	-6.322	3.5
53	MP5C	Z	10.949	3.5
54	MP5C	Mx	.007	3.5
55	MP3C	X	-6.589	2
56	MP3C	Z	11.412	2
57	MP3C	Mx	.015	2
58	MP3C	X	-6.589	6
59	MP3C	Z	11.412	6
60	MP3C	Mx	.015	6
61	MP3C	X	-6.589	2
62	MP3C	Z	11.412	2
63	MP3C	Mx	-.002	2
64	MP3C	X	-6.589	6
65	MP3C	Z	11.412	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3C	Mx	-.002	6
67	MP5B	X	-5.922	2
68	MP5B	Z	10.258	2
69	MP5B	Mx	-.000491	2
70	MP5B	X	-5.922	6
71	MP5B	Z	10.258	6
72	MP5B	Mx	-.000491	6
73	MP5B	X	-5.922	2
74	MP5B	Z	10.258	2
75	MP5B	Mx	-.014	2
76	MP5B	X	-5.922	6
77	MP5B	Z	10.258	6
78	MP5B	Mx	-.014	6
79	MP5A	X	-5.338	2
80	MP5A	Z	9.246	2
81	MP5A	Mx	-.008	2
82	MP5A	X	-5.338	6
83	MP5A	Z	9.246	6
84	MP5A	Mx	-.008	6
85	MP5A	X	-5.338	2
86	MP5A	Z	9.246	2
87	MP5A	Mx	.004	2
88	MP5A	X	-5.338	6
89	MP5A	Z	9.246	6
90	MP5A	Mx	.004	6
91	OVP	X	-2.691	.5
92	OVP	Z	4.66	.5
93	OVP	Mx	.004	.5
94	OVP	X	-2.691	2.5
95	OVP	Z	4.66	2.5
96	OVP	Mx	.004	2.5
97	MP2C	X	-1.077	1
98	MP2C	Z	1.866	1
99	MP2C	Mx	-.001	1
100	MP2C	X	-1.077	2
101	MP2C	Z	1.866	2
102	MP2C	Mx	-.001	2
103	MP4A	X	-1.236	1
104	MP4A	Z	2.14	1
105	MP4A	Mx	.002	1
106	MP4A	X	-1.236	2
107	MP4A	Z	2.14	2
108	MP4A	Mx	.002	2
109	MP4B	X	-1.077	1
110	MP4B	Z	1.866	1
111	MP4B	Mx	-.001	1
112	MP4B	X	-1.077	2
113	MP4B	Z	1.866	2
114	MP4B	Mx	-.001	2
115	MP2C	X	-1.105	2.5
116	MP2C	Z	1.914	2.5
117	MP2C	Mx	.001	2.5
118	MP2C	X	-1.105	3.5
119	MP2C	Z	1.914	3.5
120	MP2C	Mx	.001	3.5
121	MP4A	X	-1.231	2.5
122	MP4A	Z	2.132	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
123	MP4A	Mx	-.002	2.5
124	MP4A	X	-1.231	3.5
125	MP4A	Z	2.132	3.5
126	MP4A	Mx	-.002	3.5
127	MP4B	X	-1.012	2.5
128	MP4B	Z	1.752	2.5
129	MP4B	Mx	.001	2.5
130	MP4B	X	-1.012	3.5
131	MP4B	Z	1.752	3.5
132	MP4B	Mx	.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.047	3
2	MP2A	Z	2.914	3
3	MP2A	Mx	.001	3
4	MP2A	X	-5.047	5
5	MP2A	Z	2.914	5
6	MP2A	Mx	.001	5
7	MP2B	X	-2.514	3
8	MP2B	Z	1.452	3
9	MP2B	Mx	-.002	3
10	MP2B	X	-2.514	5
11	MP2B	Z	1.452	5
12	MP2B	Mx	-.002	5
13	MP4C	X	-5.434	3
14	MP4C	Z	3.137	3
15	MP4C	Mx	0	3
16	MP4C	X	-5.434	5
17	MP4C	Z	3.137	5
18	MP4C	Mx	0	5
19	MP1A	X	-11.127	.75
20	MP1A	Z	6.424	.75
21	MP1A	Mx	.005	.75
22	MP1A	X	-11.127	3.5
23	MP1A	Z	6.424	3.5
24	MP1A	Mx	.005	3.5
25	MP1B	X	-9.946	.75
26	MP1B	Z	5.743	.75
27	MP1B	Mx	-.013	.75
28	MP1B	X	-9.946	3.5
29	MP1B	Z	5.743	3.5
30	MP1B	Mx	-.013	3.5
31	MP1C	X	-11.284	.75
32	MP1C	Z	6.515	.75
33	MP1C	Mx	0	.75
34	MP1C	X	-11.284	3.5
35	MP1C	Z	6.515	3.5
36	MP1C	Mx	0	3.5
37	MP3A	X	-11.127	.75
38	MP3A	Z	6.424	.75
39	MP3A	Mx	.005	.75
40	MP3A	X	-11.127	3.5
41	MP3A	Z	6.424	3.5
42	MP3A	Mx	.005	3.5
43	MP3B	X	-9.946	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3B	Z	5.743	.75
45	MP3B	Mx	-.013	.75
46	MP3B	X	-9.946	3.5
47	MP3B	Z	5.743	3.5
48	MP3B	Mx	-.013	3.5
49	MP5C	X	-11.284	.75
50	MP5C	Z	6.515	.75
51	MP5C	Mx	0	.75
52	MP5C	X	-11.284	3.5
53	MP5C	Z	6.515	3.5
54	MP5C	Mx	0	3.5
55	MP3C	X	-13.18	2
56	MP3C	Z	7.609	2
57	MP3C	Mx	.011	2
58	MP3C	X	-13.18	6
59	MP3C	Z	7.609	6
60	MP3C	Mx	.011	6
61	MP3C	X	-13.18	2
62	MP3C	Z	7.609	2
63	MP3C	Mx	-.011	2
64	MP3C	X	-13.18	6
65	MP3C	Z	7.609	6
66	MP3C	Mx	-.011	6
67	MP5B	X	-6.935	2
68	MP5B	Z	4.004	2
69	MP5B	Mx	-.005	2
70	MP5B	X	-6.935	6
71	MP5B	Z	4.004	6
72	MP5B	Mx	-.005	6
73	MP5B	X	-6.935	2
74	MP5B	Z	4.004	2
75	MP5B	Mx	-.009	2
76	MP5B	X	-6.935	6
77	MP5B	Z	4.004	6
78	MP5B	Mx	-.009	6
79	MP5A	X	-8.971	2
80	MP5A	Z	5.179	2
81	MP5A	Mx	-.002	2
82	MP5A	X	-8.971	6
83	MP5A	Z	5.179	6
84	MP5A	Mx	-.002	6
85	MP5A	X	-8.971	2
86	MP5A	Z	5.179	2
87	MP5A	Mx	.009	2
88	MP5A	X	-8.971	6
89	MP5A	Z	5.179	6
90	MP5A	Mx	.009	6
91	OVP	X	-4.564	.5
92	OVP	Z	2.635	.5
93	OVP	Mx	.003	.5
94	OVP	X	-4.564	2.5
95	OVP	Z	2.635	2.5
96	OVP	Mx	.003	2.5
97	MP2C	X	-1.529	1
98	MP2C	Z	.883	1
99	MP2C	Mx	-.000403	1
100	MP2C	X	-1.529	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP2C	Z	.883	2
102	MP2C	Mx	-.000403	2
103	MP4A	X	-2.078	1
104	MP4A	Z	1.2	1
105	MP4A	Mx	.002	1
106	MP4A	X	-2.078	2
107	MP4A	Z	1.2	2
108	MP4A	Mx	.002	2
109	MP4B	X	-1.529	1
110	MP4B	Z	.883	1
111	MP4B	Mx	-.000403	1
112	MP4B	X	-1.529	2
113	MP4B	Z	.883	2
114	MP4B	Mx	-.000403	2
115	MP2C	X	-2.162	2.5
116	MP2C	Z	1.248	2.5
117	MP2C	Mx	.002	2.5
118	MP2C	X	-2.162	3.5
119	MP2C	Z	1.248	3.5
120	MP2C	Mx	.002	3.5
121	MP4A	X	-2.046	2.5
122	MP4A	Z	1.181	2.5
123	MP4A	Mx	-.001	2.5
124	MP4A	X	-2.046	3.5
125	MP4A	Z	1.181	3.5
126	MP4A	Mx	-.001	3.5
127	MP4B	X	-1.287	2.5
128	MP4B	Z	.743	2.5
129	MP4B	Mx	.000339	2.5
130	MP4B	X	-1.287	3.5
131	MP4B	Z	.743	3.5
132	MP4B	Mx	.000339	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.034	3
2	MP2A	Z	0	3
3	MP2A	Mx	.002	3
4	MP2A	X	-4.034	5
5	MP2A	Z	0	5
6	MP2A	Mx	.002	5
7	MP2B	X	-2.572	3
8	MP2B	Z	0	3
9	MP2B	Mx	-.002	3
10	MP2B	X	-2.572	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.002	5
13	MP4C	X	-5.32	3
14	MP4C	Z	0	3
15	MP4C	Mx	-.002	3
16	MP4C	X	-5.32	5
17	MP4C	Z	0	5
18	MP4C	Mx	-.002	5
19	MP1A	X	-12.123	.75
20	MP1A	Z	0	.75
21	MP1A	Mx	.01	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP1A	X	-12.123	3.5
23	MP1A	Z	0	3.5
24	MP1A	Mx	.01	3.5
25	MP1B	X	-11.871	.75
26	MP1B	Z	0	.75
27	MP1B	Mx	-.012	.75
28	MP1B	X	-11.871	3.5
29	MP1B	Z	0	3.5
30	MP1B	Mx	-.012	3.5
31	MP1C	X	-12.643	.75
32	MP1C	Z	0	.75
33	MP1C	Mx	-.007	.75
34	MP1C	X	-12.643	3.5
35	MP1C	Z	0	3.5
36	MP1C	Mx	-.007	3.5
37	MP3A	X	-12.123	.75
38	MP3A	Z	0	.75
39	MP3A	Mx	.01	.75
40	MP3A	X	-12.123	3.5
41	MP3A	Z	0	3.5
42	MP3A	Mx	.01	3.5
43	MP3B	X	-11.871	.75
44	MP3B	Z	0	.75
45	MP3B	Mx	-.012	.75
46	MP3B	X	-11.871	3.5
47	MP3B	Z	0	3.5
48	MP3B	Mx	-.012	3.5
49	MP5C	X	-12.643	.75
50	MP5C	Z	0	.75
51	MP5C	Mx	-.007	.75
52	MP5C	X	-12.643	3.5
53	MP5C	Z	0	3.5
54	MP5C	Mx	-.007	3.5
55	MP3C	X	-13.177	2
56	MP3C	Z	0	2
57	MP3C	Mx	.002	2
58	MP3C	X	-13.177	6
59	MP3C	Z	0	6
60	MP3C	Mx	.002	6
61	MP3C	X	-13.177	2
62	MP3C	Z	0	2
63	MP3C	Mx	-.015	2
64	MP3C	X	-13.177	6
65	MP3C	Z	0	6
66	MP3C	Mx	-.015	6
67	MP5B	X	-7.299	2
68	MP5B	Z	0	2
69	MP5B	Mx	-.008	2
70	MP5B	X	-7.299	6
71	MP5B	Z	0	6
72	MP5B	Mx	-.008	6
73	MP5B	X	-7.299	2
74	MP5B	Z	0	2
75	MP5B	Mx	-.006	2
76	MP5B	X	-7.299	6
77	MP5B	Z	0	6
78	MP5B	Mx	-.006	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP5A	X	-8.641	2
80	MP5A	Z	0	2
81	MP5A	Mx	.003	2
82	MP5A	X	-8.641	6
83	MP5A	Z	0	6
84	MP5A	Mx	.003	6
85	MP5A	X	-8.641	2
86	MP5A	Z	0	2
87	MP5A	Mx	.01	2
88	MP5A	X	-8.641	6
89	MP5A	Z	0	6
90	MP5A	Mx	.01	6
91	OVP	X	-4.666	.5
92	OVP	Z	0	.5
93	OVP	Mx	.002	.5
94	OVP	X	-4.666	2.5
95	OVP	Z	0	2.5
96	OVP	Mx	.002	2.5
97	MP2C	X	-1.694	1
98	MP2C	Z	0	1
99	MP2C	Mx	.000196	1
100	MP2C	X	-1.694	2
101	MP2C	Z	0	2
102	MP2C	Mx	.000196	2
103	MP4A	X	-2.011	1
104	MP4A	Z	0	1
105	MP4A	Mx	.000862	1
106	MP4A	X	-2.011	2
107	MP4A	Z	0	2
108	MP4A	Mx	.000862	2
109	MP4B	X	-1.694	1
110	MP4B	Z	0	1
111	MP4B	Mx	.000196	1
112	MP4B	X	-1.694	2
113	MP4B	Z	0	2
114	MP4B	Mx	.000196	2
115	MP2C	X	-2.21	2.5
116	MP2C	Z	0	2.5
117	MP2C	Mx	.001	2.5
118	MP2C	X	-2.21	3.5
119	MP2C	Z	0	3.5
120	MP2C	Mx	.001	3.5
121	MP4A	X	-1.825	2.5
122	MP4A	Z	0	2.5
123	MP4A	Mx	-.000782	2.5
124	MP4A	X	-1.825	3.5
125	MP4A	Z	0	3.5
126	MP4A	Mx	-.000782	3.5
127	MP4B	X	-1.386	2.5
128	MP4B	Z	0	2.5
129	MP4B	Mx	-.00016	2.5
130	MP4B	X	-1.386	3.5
131	MP4B	Z	0	3.5
132	MP4B	Mx	-.00016	3.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.227	3
2	MP2A	Z	-1.286	3
3	MP2A	Mx	.002	3
4	MP2A	X	-2.227	5
5	MP2A	Z	-1.286	5
6	MP2A	Mx	.002	5
7	MP2B	X	-3.493	3
8	MP2B	Z	-2.017	3
9	MP2B	Mx	-.002	3
10	MP2B	X	-3.493	5
11	MP2B	Z	-2.017	5
12	MP2B	Mx	-.002	5
13	MP4C	X	-2.954	3
14	MP4C	Z	-1.705	3
15	MP4C	Mx	-.002	3
16	MP4C	X	-2.954	5
17	MP4C	Z	-1.705	5
18	MP4C	Mx	-.002	5
19	MP1A	X	-9.987	.75
20	MP1A	Z	-5.766	.75
21	MP1A	Mx	.013	.75
22	MP1A	X	-9.987	3.5
23	MP1A	Z	-5.766	3.5
24	MP1A	Mx	.013	3.5
25	MP1B	X	-10.949	.75
26	MP1B	Z	-6.322	.75
27	MP1B	Mx	-.007	.75
28	MP1B	X	-10.949	3.5
29	MP1B	Z	-6.322	3.5
30	MP1B	Mx	-.007	3.5
31	MP1C	X	-10.281	.75
32	MP1C	Z	-5.936	.75
33	MP1C	Mx	-.012	.75
34	MP1C	X	-10.281	3.5
35	MP1C	Z	-5.936	3.5
36	MP1C	Mx	-.012	3.5
37	MP3A	X	-9.987	.75
38	MP3A	Z	-5.766	.75
39	MP3A	Mx	.013	.75
40	MP3A	X	-9.987	3.5
41	MP3A	Z	-5.766	3.5
42	MP3A	Mx	.013	3.5
43	MP3B	X	-10.949	.75
44	MP3B	Z	-6.322	.75
45	MP3B	Mx	-.007	.75
46	MP3B	X	-10.949	3.5
47	MP3B	Z	-6.322	3.5
48	MP3B	Mx	-.007	3.5
49	MP5C	X	-10.281	.75
50	MP5C	Z	-5.936	.75
51	MP5C	Mx	-.012	.75
52	MP5C	X	-10.281	3.5
53	MP5C	Z	-5.936	3.5
54	MP5C	Mx	-.012	3.5
55	MP3C	X	-7.876	2
56	MP3C	Z	-4.547	2
57	MP3C	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-7.876	6
59	MP3C	Z	-4.547	6
60	MP3C	Mx	-.004	6
61	MP3C	X	-7.876	2
62	MP3C	Z	-4.547	2
63	MP3C	Mx	-.011	2
64	MP3C	X	-7.876	6
65	MP3C	Z	-4.547	6
66	MP3C	Mx	-.011	6
67	MP5B	X	-9.03	2
68	MP5B	Z	-5.213	2
69	MP5B	Mx	-.013	2
70	MP5B	X	-9.03	6
71	MP5B	Z	-5.213	6
72	MP5B	Mx	-.013	6
73	MP5B	X	-9.03	2
74	MP5B	Z	-5.213	2
75	MP5B	Mx	-.003	2
76	MP5B	X	-9.03	6
77	MP5B	Z	-5.213	6
78	MP5B	Mx	-.003	6
79	MP5A	X	-6.271	2
80	MP5A	Z	-3.621	2
81	MP5A	Mx	.006	2
82	MP5A	X	-6.271	6
83	MP5A	Z	-3.621	6
84	MP5A	Mx	.006	6
85	MP5A	X	-6.271	2
86	MP5A	Z	-3.621	2
87	MP5A	Mx	.008	2
88	MP5A	X	-6.271	6
89	MP5A	Z	-3.621	6
90	MP5A	Mx	.008	6
91	OVP	X	-3.615	.5
92	OVP	Z	-2.087	.5
93	OVP	Mx	.000483	.5
94	OVP	X	-3.615	2.5
95	OVP	Z	-2.087	2.5
96	OVP	Mx	.000483	2.5
97	MP2C	X	-1.741	1
98	MP2C	Z	-1.005	1
99	MP2C	Mx	.000861	1
100	MP2C	X	-1.741	2
101	MP2C	Z	-1.005	2
102	MP2C	Mx	.000861	2
103	MP4A	X	-1.467	1
104	MP4A	Z	-.847	1
105	MP4A	Mx	.000196	1
106	MP4A	X	-1.467	2
107	MP4A	Z	-.847	2
108	MP4A	Mx	.000196	2
109	MP4B	X	-1.741	1
110	MP4B	Z	-1.005	1
111	MP4B	Mx	.000861	1
112	MP4B	X	-1.741	2
113	MP4B	Z	-1.005	2
114	MP4B	Mx	.000861	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2C	X	-1.418	2.5
116	MP2C	Z	-.819	2.5
117	MP2C	Mx	.000546	2.5
118	MP2C	X	-1.418	3.5
119	MP2C	Z	-.819	3.5
120	MP2C	Mx	.000546	3.5
121	MP4A	X	-1.2	2.5
122	MP4A	Z	-.693	2.5
123	MP4A	Mx	-.00016	2.5
124	MP4A	X	-1.2	3.5
125	MP4A	Z	-.693	3.5
126	MP4A	Mx	-.00016	3.5
127	MP4B	X	-1.58	2.5
128	MP4B	Z	-.912	2.5
129	MP4B	Mx	-.000782	2.5
130	MP4B	X	-1.58	3.5
131	MP4B	Z	-.912	3.5
132	MP4B	Mx	-.000782	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.452	3
2	MP2A	Z	-2.514	3
3	MP2A	Mx	.002	3
4	MP2A	X	-1.452	5
5	MP2A	Z	-2.514	5
6	MP2A	Mx	.002	5
7	MP2B	X	-2.914	3
8	MP2B	Z	-5.047	3
9	MP2B	Mx	-.001	3
10	MP2B	X	-2.914	5
11	MP2B	Z	-5.047	5
12	MP2B	Mx	-.001	5
13	MP4C	X	-1.228	3
14	MP4C	Z	-2.127	3
15	MP4C	Mx	-.002	3
16	MP4C	X	-1.228	5
17	MP4C	Z	-2.127	5
18	MP4C	Mx	-.002	5
19	MP1A	X	-5.833	.75
20	MP1A	Z	-10.103	.75
21	MP1A	Mx	.012	.75
22	MP1A	X	-5.833	3.5
23	MP1A	Z	-10.103	3.5
24	MP1A	Mx	.012	3.5
25	MP1B	X	-6.515	.75
26	MP1B	Z	-11.284	.75
27	MP1B	Mx	0	.75
28	MP1B	X	-6.515	3.5
29	MP1B	Z	-11.284	3.5
30	MP1B	Mx	0	3.5
31	MP1C	X	-5.743	.75
32	MP1C	Z	-9.946	.75
33	MP1C	Mx	-.013	.75
34	MP1C	X	-5.743	3.5
35	MP1C	Z	-9.946	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP1C	Mx	-.013	3.5
37	MP3A	X	-5.833	.75
38	MP3A	Z	-10.103	.75
39	MP3A	Mx	.012	.75
40	MP3A	X	-5.833	3.5
41	MP3A	Z	-10.103	3.5
42	MP3A	Mx	.012	3.5
43	MP3B	X	-6.515	.75
44	MP3B	Z	-11.284	.75
45	MP3B	Mx	0	.75
46	MP3B	X	-6.515	3.5
47	MP3B	Z	-11.284	3.5
48	MP3B	Mx	0	3.5
49	MP5C	X	-5.743	.75
50	MP5C	Z	-9.946	.75
51	MP5C	Mx	-.013	.75
52	MP5C	X	-5.743	3.5
53	MP5C	Z	-9.946	3.5
54	MP5C	Mx	-.013	3.5
55	MP3C	X	-3.527	2
56	MP3C	Z	-6.108	2
57	MP3C	Mx	-.007	2
58	MP3C	X	-3.527	6
59	MP3C	Z	-6.108	6
60	MP3C	Mx	-.007	6
61	MP3C	X	-3.527	2
62	MP3C	Z	-6.108	2
63	MP3C	Mx	-.007	2
64	MP3C	X	-3.527	6
65	MP3C	Z	-6.108	6
66	MP3C	Mx	-.007	6
67	MP5B	X	-7.132	2
68	MP5B	Z	-12.353	2
69	MP5B	Mx	-.015	2
70	MP5B	X	-7.132	6
71	MP5B	Z	-12.353	6
72	MP5B	Mx	-.015	6
73	MP5B	X	-7.132	2
74	MP5B	Z	-12.353	2
75	MP5B	Mx	.005	2
76	MP5B	X	-7.132	6
77	MP5B	Z	-12.353	6
78	MP5B	Mx	.005	6
79	MP5A	X	-3.779	2
80	MP5A	Z	-6.546	2
81	MP5A	Mx	.008	2
82	MP5A	X	-3.779	6
83	MP5A	Z	-6.546	6
84	MP5A	Mx	.008	6
85	MP5A	X	-3.779	2
86	MP5A	Z	-6.546	2
87	MP5A	Mx	.005	2
88	MP5A	X	-3.779	6
89	MP5A	Z	-6.546	6
90	MP5A	Mx	.005	6
91	OVP	X	-2.143	.5
92	OVP	Z	-3.711	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	OVP	Mx	-.000977	.5
94	OVP	X	-2.143	2.5
95	OVP	Z	-3.711	2.5
96	OVP	Mx	-.000977	2.5
97	MP2C	X	-1.2	1
98	MP2C	Z	-2.078	1
99	MP2C	Mx	.002	1
100	MP2C	X	-1.2	2
101	MP2C	Z	-2.078	2
102	MP2C	Mx	.002	2
103	MP4A	X	-.883	1
104	MP4A	Z	-1.529	1
105	MP4A	Mx	-.000402	1
106	MP4A	X	-.883	2
107	MP4A	Z	-1.529	2
108	MP4A	Mx	-.000402	2
109	MP4B	X	-1.2	1
110	MP4B	Z	-2.078	1
111	MP4B	Mx	.002	1
112	MP4B	X	-1.2	2
113	MP4B	Z	-2.078	2
114	MP4B	Mx	.002	2
115	MP2C	X	-.676	2.5
116	MP2C	Z	-1.171	2.5
117	MP2C	Mx	0	2.5
118	MP2C	X	-.676	3.5
119	MP2C	Z	-1.171	3.5
120	MP2C	Mx	0	3.5
121	MP4A	X	-.743	2.5
122	MP4A	Z	-1.287	2.5
123	MP4A	Mx	.000339	2.5
124	MP4A	X	-.743	3.5
125	MP4A	Z	-1.287	3.5
126	MP4A	Mx	.000339	3.5
127	MP4B	X	-1.181	2.5
128	MP4B	Z	-2.046	2.5
129	MP4B	Mx	-.001	2.5
130	MP4B	X	-1.181	3.5
131	MP4B	Z	-2.046	3.5
132	MP4B	Mx	-.001	3.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M47	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M46	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M42	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 80 : Lv2) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M42	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	Y	-9.687	-9.687	0	%100
2	M14	Y	-9.687	-9.687	0	%100
3	M27	Y	-9.687	-9.687	0	%100
4	M40	Y	-9.687	-9.687	0	%100
5	M41	Y	-9.687	-9.687	0	%100
6	M42	Y	-9.687	-9.687	0	%100
7	MP5A	Y	-5.025	-5.025	0	%100
8	OVP	Y	-5.025	-5.025	0	%100
9	MP4A	Y	-5.025	-5.025	0	%100
10	MP3A	Y	-5.025	-5.025	0	%100
11	MP2A	Y	-5.025	-5.025	0	%100
12	MP1A	Y	-5.025	-5.025	0	%100
13	MP5C	Y	-5.025	-5.025	0	%100
14	MP4C	Y	-5.025	-5.025	0	%100
15	MP3C	Y	-5.025	-5.025	0	%100
16	MP2C	Y	-5.025	-5.025	0	%100
17	MP1C	Y	-5.025	-5.025	0	%100
18	MP5B	Y	-5.025	-5.025	0	%100
19	MP4B	Y	-5.025	-5.025	0	%100
20	MP3B	Y	-5.025	-5.025	0	%100
21	MP2B	Y	-5.025	-5.025	0	%100
22	MP1B	Y	-5.025	-5.025	0	%100
23	M75	Y	-10.707	-10.707	0	%100
24	M77	Y	-10.707	-10.707	0	%100
25	M79	Y	-10.707	-10.707	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	-12.688	-12.688	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	-12.688	-12.688	0	%100
7	M40	X	0	0	0	%100
8	M40	Z	-4.376	-4.376	0	%100
9	M41	X	0	0	0	%100
10	M41	Z	-4.376	-4.376	0	%100
11	M42	X	0	0	0	%100
12	M42	Z	-17.504	-17.504	0	%100
13	MP5A	X	0	0	0	%100
14	MP5A	Z	-9.977	-9.977	0	%100
15	OVP	X	0	0	0	%100
16	OVP	Z	-9.092	-9.092	0	%100
17	MP4A	X	0	0	0	%100
18	MP4A	Z	-9.977	-9.977	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	-9.977	-9.977	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-9.977	-9.977	0	%100
23	MP1A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
24	MP1A	Z	-9.977	-9.977	0	%100
25	MP5C	X	0	0	0	%100
26	MP5C	Z	-9.977	-9.977	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	-9.977	-9.977	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	-9.977	-9.977	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-9.977	-9.977	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	-9.977	-9.977	0	%100
35	MP5B	X	0	0	0	%100
36	MP5B	Z	-9.977	-9.977	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-9.977	-9.977	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	-9.977	-9.977	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	-9.977	-9.977	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	-9.977	-9.977	0	%100
45	M75	X	0	0	0	%100
46	M75	Z	-16.466	-16.466	0	%100
47	M77	X	0	0	0	%100
48	M77	Z	-17.291	-17.291	0	%100
49	M79	X	0	0	0	%100
50	M79	Z	-17.291	-17.291	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	2.115	2.115	0	%100
2	M4	Z	-3.663	-3.663	0	%100
3	M14	X	2.115	2.115	0	%100
4	M14	Z	-3.663	-3.663	0	%100
5	M27	X	8.459	8.459	0	%100
6	M27	Z	-14.651	-14.651	0	%100
7	M40	X	0	0	0	%100
8	M40	Z	0	0	0	%100
9	M41	X	6.564	6.564	0	%100
10	M41	Z	-11.369	-11.369	0	%100
11	M42	X	6.564	6.564	0	%100
12	M42	Z	-11.369	-11.369	0	%100
13	MP5A	X	4.989	4.989	0	%100
14	MP5A	Z	-8.641	-8.641	0	%100
15	OVP	X	4.546	4.546	0	%100
16	OVP	Z	-7.874	-7.874	0	%100
17	MP4A	X	4.989	4.989	0	%100
18	MP4A	Z	-8.641	-8.641	0	%100
19	MP3A	X	4.989	4.989	0	%100
20	MP3A	Z	-8.641	-8.641	0	%100
21	MP2A	X	4.989	4.989	0	%100
22	MP2A	Z	-8.641	-8.641	0	%100
23	MP1A	X	4.989	4.989	0	%100
24	MP1A	Z	-8.641	-8.641	0	%100
25	MP5C	X	4.989	4.989	0	%100
26	MP5C	Z	-8.641	-8.641	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
27	MP4C	X	4.989	4.989	0	%100
28	MP4C	Z	-8.641	-8.641	0	%100
29	MP3C	X	4.989	4.989	0	%100
30	MP3C	Z	-8.641	-8.641	0	%100
31	MP2C	X	4.989	4.989	0	%100
32	MP2C	Z	-8.641	-8.641	0	%100
33	MP1C	X	4.989	4.989	0	%100
34	MP1C	Z	-8.641	-8.641	0	%100
35	MP5B	X	4.989	4.989	0	%100
36	MP5B	Z	-8.641	-8.641	0	%100
37	MP4B	X	4.989	4.989	0	%100
38	MP4B	Z	-8.641	-8.641	0	%100
39	MP3B	X	4.989	4.989	0	%100
40	MP3B	Z	-8.641	-8.641	0	%100
41	MP2B	X	4.989	4.989	0	%100
42	MP2B	Z	-8.641	-8.641	0	%100
43	MP1B	X	4.989	4.989	0	%100
44	MP1B	Z	-8.641	-8.641	0	%100
45	M75	X	8.371	8.371	0	%100
46	M75	Z	-14.499	-14.499	0	%100
47	M77	X	8.371	8.371	0	%100
48	M77	Z	-14.499	-14.499	0	%100
49	M79	X	8.783	8.783	0	%100
50	M79	Z	-15.213	-15.213	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	10.988	10.988	0	%100
2	M4	Z	-6.344	-6.344	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	10.988	10.988	0	%100
6	M27	Z	-6.344	-6.344	0	%100
7	M40	X	3.79	3.79	0	%100
8	M40	Z	-2.188	-2.188	0	%100
9	M41	X	15.159	15.159	0	%100
10	M41	Z	-8.752	-8.752	0	%100
11	M42	X	3.79	3.79	0	%100
12	M42	Z	-2.188	-2.188	0	%100
13	MP5A	X	8.641	8.641	0	%100
14	MP5A	Z	-4.989	-4.989	0	%100
15	OVP	X	7.874	7.874	0	%100
16	OVP	Z	-4.546	-4.546	0	%100
17	MP4A	X	8.641	8.641	0	%100
18	MP4A	Z	-4.989	-4.989	0	%100
19	MP3A	X	8.641	8.641	0	%100
20	MP3A	Z	-4.989	-4.989	0	%100
21	MP2A	X	8.641	8.641	0	%100
22	MP2A	Z	-4.989	-4.989	0	%100
23	MP1A	X	8.641	8.641	0	%100
24	MP1A	Z	-4.989	-4.989	0	%100
25	MP5C	X	8.641	8.641	0	%100
26	MP5C	Z	-4.989	-4.989	0	%100
27	MP4C	X	8.641	8.641	0	%100
28	MP4C	Z	-4.989	-4.989	0	%100
29	MP3C	X	8.641	8.641	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	MP3C	Z	-4.989	-4.989	0	%100
31	MP2C	X	8.641	8.641	0	%100
32	MP2C	Z	-4.989	-4.989	0	%100
33	MP1C	X	8.641	8.641	0	%100
34	MP1C	Z	-4.989	-4.989	0	%100
35	MP5B	X	8.641	8.641	0	%100
36	MP5B	Z	-4.989	-4.989	0	%100
37	MP4B	X	8.641	8.641	0	%100
38	MP4B	Z	-4.989	-4.989	0	%100
39	MP3B	X	8.641	8.641	0	%100
40	MP3B	Z	-4.989	-4.989	0	%100
41	MP2B	X	8.641	8.641	0	%100
42	MP2B	Z	-4.989	-4.989	0	%100
43	MP1B	X	8.641	8.641	0	%100
44	MP1B	Z	-4.989	-4.989	0	%100
45	M75	X	14.975	14.975	0	%100
46	M75	Z	-8.646	-8.646	0	%100
47	M77	X	14.26	14.26	0	%100
48	M77	Z	-8.233	-8.233	0	%100
49	M79	X	14.975	14.975	0	%100
50	M79	Z	-8.646	-8.646	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	16.917	16.917	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	4.229	4.229	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	4.229	4.229	0	%100
6	M27	Z	0	0	0	%100
7	M40	X	13.128	13.128	0	%100
8	M40	Z	0	0	0	%100
9	M41	X	13.128	13.128	0	%100
10	M41	Z	0	0	0	%100
11	M42	X	0	0	0	%100
12	M42	Z	0	0	0	%100
13	MP5A	X	9.977	9.977	0	%100
14	MP5A	Z	0	0	0	%100
15	OVP	X	9.092	9.092	0	%100
16	OVP	Z	0	0	0	%100
17	MP4A	X	9.977	9.977	0	%100
18	MP4A	Z	0	0	0	%100
19	MP3A	X	9.977	9.977	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	9.977	9.977	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	9.977	9.977	0	%100
24	MP1A	Z	0	0	0	%100
25	MP5C	X	9.977	9.977	0	%100
26	MP5C	Z	0	0	0	%100
27	MP4C	X	9.977	9.977	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	9.977	9.977	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	9.977	9.977	0	%100
32	MP2C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	MP1C	X	9.977	9.977	0	%100
34	MP1C	Z	0	0	0	%100
35	MP5B	X	9.977	9.977	0	%100
36	MP5B	Z	0	0	0	%100
37	MP4B	X	9.977	9.977	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	9.977	9.977	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	9.977	9.977	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	9.977	9.977	0	%100
44	MP1B	Z	0	0	0	%100
45	M75	X	17.567	17.567	0	%100
46	M75	Z	0	0	0	%100
47	M77	X	16.741	16.741	0	%100
48	M77	Z	0	0	0	%100
49	M79	X	16.741	16.741	0	%100
50	M79	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	10.988	10.988	0	%100
2	M4	Z	6.344	6.344	0	%100
3	M14	X	10.988	10.988	0	%100
4	M14	Z	6.344	6.344	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	M40	X	15.159	15.159	0	%100
8	M40	Z	8.752	8.752	0	%100
9	M41	X	3.79	3.79	0	%100
10	M41	Z	2.188	2.188	0	%100
11	M42	X	3.79	3.79	0	%100
12	M42	Z	2.188	2.188	0	%100
13	MP5A	X	8.641	8.641	0	%100
14	MP5A	Z	4.989	4.989	0	%100
15	OVP	X	7.874	7.874	0	%100
16	OVP	Z	4.546	4.546	0	%100
17	MP4A	X	8.641	8.641	0	%100
18	MP4A	Z	4.989	4.989	0	%100
19	MP3A	X	8.641	8.641	0	%100
20	MP3A	Z	4.989	4.989	0	%100
21	MP2A	X	8.641	8.641	0	%100
22	MP2A	Z	4.989	4.989	0	%100
23	MP1A	X	8.641	8.641	0	%100
24	MP1A	Z	4.989	4.989	0	%100
25	MP5C	X	8.641	8.641	0	%100
26	MP5C	Z	4.989	4.989	0	%100
27	MP4C	X	8.641	8.641	0	%100
28	MP4C	Z	4.989	4.989	0	%100
29	MP3C	X	8.641	8.641	0	%100
30	MP3C	Z	4.989	4.989	0	%100
31	MP2C	X	8.641	8.641	0	%100
32	MP2C	Z	4.989	4.989	0	%100
33	MP1C	X	8.641	8.641	0	%100
34	MP1C	Z	4.989	4.989	0	%100
35	MP5B	X	8.641	8.641	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
36	MP5B	Z	4.989	4.989	0	%100
37	MP4B	X	8.641	8.641	0	%100
38	MP4B	Z	4.989	4.989	0	%100
39	MP3B	X	8.641	8.641	0	%100
40	MP3B	Z	4.989	4.989	0	%100
41	MP2B	X	8.641	8.641	0	%100
42	MP2B	Z	4.989	4.989	0	%100
43	MP1B	X	8.641	8.641	0	%100
44	MP1B	Z	4.989	4.989	0	%100
45	M75	X	14.975	14.975	0	%100
46	M75	Z	8.646	8.646	0	%100
47	M77	X	14.975	14.975	0	%100
48	M77	Z	8.646	8.646	0	%100
49	M79	X	14.26	14.26	0	%100
50	M79	Z	8.233	8.233	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	2.115	2.115	0	%100
2	M4	Z	3.663	3.663	0	%100
3	M14	X	8.459	8.459	0	%100
4	M14	Z	14.651	14.651	0	%100
5	M27	X	2.115	2.115	0	%100
6	M27	Z	3.663	3.663	0	%100
7	M40	X	6.564	6.564	0	%100
8	M40	Z	11.369	11.369	0	%100
9	M41	X	0	0	0	%100
10	M41	Z	0	0	0	%100
11	M42	X	6.564	6.564	0	%100
12	M42	Z	11.369	11.369	0	%100
13	MP5A	X	4.989	4.989	0	%100
14	MP5A	Z	8.641	8.641	0	%100
15	OVP	X	4.546	4.546	0	%100
16	OVP	Z	7.874	7.874	0	%100
17	MP4A	X	4.989	4.989	0	%100
18	MP4A	Z	8.641	8.641	0	%100
19	MP3A	X	4.989	4.989	0	%100
20	MP3A	Z	8.641	8.641	0	%100
21	MP2A	X	4.989	4.989	0	%100
22	MP2A	Z	8.641	8.641	0	%100
23	MP1A	X	4.989	4.989	0	%100
24	MP1A	Z	8.641	8.641	0	%100
25	MP5C	X	4.989	4.989	0	%100
26	MP5C	Z	8.641	8.641	0	%100
27	MP4C	X	4.989	4.989	0	%100
28	MP4C	Z	8.641	8.641	0	%100
29	MP3C	X	4.989	4.989	0	%100
30	MP3C	Z	8.641	8.641	0	%100
31	MP2C	X	4.989	4.989	0	%100
32	MP2C	Z	8.641	8.641	0	%100
33	MP1C	X	4.989	4.989	0	%100
34	MP1C	Z	8.641	8.641	0	%100
35	MP5B	X	4.989	4.989	0	%100
36	MP5B	Z	8.641	8.641	0	%100
37	MP4B	X	4.989	4.989	0	%100
38	MP4B	Z	8.641	8.641	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
39	MP3B	X	4.989	4.989	0	%100
40	MP3B	Z	8.641	8.641	0	%100
41	MP2B	X	4.989	4.989	0	%100
42	MP2B	Z	8.641	8.641	0	%100
43	MP1B	X	4.989	4.989	0	%100
44	MP1B	Z	8.641	8.641	0	%100
45	M75	X	8.371	8.371	0	%100
46	M75	Z	14.499	14.499	0	%100
47	M77	X	8.783	8.783	0	%100
48	M77	Z	15.213	15.213	0	%100
49	M79	X	8.371	8.371	0	%100
50	M79	Z	14.499	14.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	12.688	12.688	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	12.688	12.688	0	%100
7	M40	X	0	0	0	%100
8	M40	Z	4.376	4.376	0	%100
9	M41	X	0	0	0	%100
10	M41	Z	4.376	4.376	0	%100
11	M42	X	0	0	0	%100
12	M42	Z	17.504	17.504	0	%100
13	MP5A	X	0	0	0	%100
14	MP5A	Z	9.977	9.977	0	%100
15	OVP	X	0	0	0	%100
16	OVP	Z	9.092	9.092	0	%100
17	MP4A	X	0	0	0	%100
18	MP4A	Z	9.977	9.977	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	9.977	9.977	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	9.977	9.977	0	%100
23	MP1A	X	0	0	0	%100
24	MP1A	Z	9.977	9.977	0	%100
25	MP5C	X	0	0	0	%100
26	MP5C	Z	9.977	9.977	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	9.977	9.977	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	9.977	9.977	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	9.977	9.977	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	9.977	9.977	0	%100
35	MP5B	X	0	0	0	%100
36	MP5B	Z	9.977	9.977	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	9.977	9.977	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	9.977	9.977	0	%100
41	MP2B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
42	MP2B	Z	9.977	9.977	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	9.977	9.977	0	%100
45	M75	X	0	0	0	%100
46	M75	Z	16.466	16.466	0	%100
47	M77	X	0	0	0	%100
48	M77	Z	17.291	17.291	0	%100
49	M79	X	0	0	0	%100
50	M79	Z	17.291	17.291	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-2.115	-2.115	0	%100
2	M4	Z	3.663	3.663	0	%100
3	M14	X	-2.115	-2.115	0	%100
4	M14	Z	3.663	3.663	0	%100
5	M27	X	-8.459	-8.459	0	%100
6	M27	Z	14.651	14.651	0	%100
7	M40	X	0	0	0	%100
8	M40	Z	0	0	0	%100
9	M41	X	-6.564	-6.564	0	%100
10	M41	Z	11.369	11.369	0	%100
11	M42	X	-6.564	-6.564	0	%100
12	M42	Z	11.369	11.369	0	%100
13	MP5A	X	-4.989	-4.989	0	%100
14	MP5A	Z	8.641	8.641	0	%100
15	OVP	X	-4.546	-4.546	0	%100
16	OVP	Z	7.874	7.874	0	%100
17	MP4A	X	-4.989	-4.989	0	%100
18	MP4A	Z	8.641	8.641	0	%100
19	MP3A	X	-4.989	-4.989	0	%100
20	MP3A	Z	8.641	8.641	0	%100
21	MP2A	X	-4.989	-4.989	0	%100
22	MP2A	Z	8.641	8.641	0	%100
23	MP1A	X	-4.989	-4.989	0	%100
24	MP1A	Z	8.641	8.641	0	%100
25	MP5C	X	-4.989	-4.989	0	%100
26	MP5C	Z	8.641	8.641	0	%100
27	MP4C	X	-4.989	-4.989	0	%100
28	MP4C	Z	8.641	8.641	0	%100
29	MP3C	X	-4.989	-4.989	0	%100
30	MP3C	Z	8.641	8.641	0	%100
31	MP2C	X	-4.989	-4.989	0	%100
32	MP2C	Z	8.641	8.641	0	%100
33	MP1C	X	-4.989	-4.989	0	%100
34	MP1C	Z	8.641	8.641	0	%100
35	MP5B	X	-4.989	-4.989	0	%100
36	MP5B	Z	8.641	8.641	0	%100
37	MP4B	X	-4.989	-4.989	0	%100
38	MP4B	Z	8.641	8.641	0	%100
39	MP3B	X	-4.989	-4.989	0	%100
40	MP3B	Z	8.641	8.641	0	%100
41	MP2B	X	-4.989	-4.989	0	%100
42	MP2B	Z	8.641	8.641	0	%100
43	MP1B	X	-4.989	-4.989	0	%100
44	MP1B	Z	8.641	8.641	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M75	X	-8.371	-8.371	0	%100
46	M75	Z	14.499	14.499	0	%100
47	M77	X	-8.371	-8.371	0	%100
48	M77	Z	14.499	14.499	0	%100
49	M79	X	-8.783	-8.783	0	%100
50	M79	Z	15.213	15.213	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-10.988	-10.988	0	%100
2	M4	Z	6.344	6.344	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	-10.988	-10.988	0	%100
6	M27	Z	6.344	6.344	0	%100
7	M40	X	-3.79	-3.79	0	%100
8	M40	Z	2.188	2.188	0	%100
9	M41	X	-15.159	-15.159	0	%100
10	M41	Z	8.752	8.752	0	%100
11	M42	X	-3.79	-3.79	0	%100
12	M42	Z	2.188	2.188	0	%100
13	MP5A	X	-8.641	-8.641	0	%100
14	MP5A	Z	4.989	4.989	0	%100
15	OVP	X	-7.874	-7.874	0	%100
16	OVP	Z	4.546	4.546	0	%100
17	MP4A	X	-8.641	-8.641	0	%100
18	MP4A	Z	4.989	4.989	0	%100
19	MP3A	X	-8.641	-8.641	0	%100
20	MP3A	Z	4.989	4.989	0	%100
21	MP2A	X	-8.641	-8.641	0	%100
22	MP2A	Z	4.989	4.989	0	%100
23	MP1A	X	-8.641	-8.641	0	%100
24	MP1A	Z	4.989	4.989	0	%100
25	MP5C	X	-8.641	-8.641	0	%100
26	MP5C	Z	4.989	4.989	0	%100
27	MP4C	X	-8.641	-8.641	0	%100
28	MP4C	Z	4.989	4.989	0	%100
29	MP3C	X	-8.641	-8.641	0	%100
30	MP3C	Z	4.989	4.989	0	%100
31	MP2C	X	-8.641	-8.641	0	%100
32	MP2C	Z	4.989	4.989	0	%100
33	MP1C	X	-8.641	-8.641	0	%100
34	MP1C	Z	4.989	4.989	0	%100
35	MP5B	X	-8.641	-8.641	0	%100
36	MP5B	Z	4.989	4.989	0	%100
37	MP4B	X	-8.641	-8.641	0	%100
38	MP4B	Z	4.989	4.989	0	%100
39	MP3B	X	-8.641	-8.641	0	%100
40	MP3B	Z	4.989	4.989	0	%100
41	MP2B	X	-8.641	-8.641	0	%100
42	MP2B	Z	4.989	4.989	0	%100
43	MP1B	X	-8.641	-8.641	0	%100
44	MP1B	Z	4.989	4.989	0	%100
45	M75	X	-14.975	-14.975	0	%100
46	M75	Z	8.646	8.646	0	%100
47	M77	X	-14.26	-14.26	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
48	M77	Z	8.233	8.233	0	%100
49	M79	X	-14.975	-14.975	0	%100
50	M79	Z	8.646	8.646	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-16.917	-16.917	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	-4.229	-4.229	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	-4.229	-4.229	0	%100
6	M27	Z	0	0	0	%100
7	M40	X	-13.128	-13.128	0	%100
8	M40	Z	0	0	0	%100
9	M41	X	-13.128	-13.128	0	%100
10	M41	Z	0	0	0	%100
11	M42	X	0	0	0	%100
12	M42	Z	0	0	0	%100
13	MP5A	X	-9.977	-9.977	0	%100
14	MP5A	Z	0	0	0	%100
15	OVP	X	-9.092	-9.092	0	%100
16	OVP	Z	0	0	0	%100
17	MP4A	X	-9.977	-9.977	0	%100
18	MP4A	Z	0	0	0	%100
19	MP3A	X	-9.977	-9.977	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	-9.977	-9.977	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	-9.977	-9.977	0	%100
24	MP1A	Z	0	0	0	%100
25	MP5C	X	-9.977	-9.977	0	%100
26	MP5C	Z	0	0	0	%100
27	MP4C	X	-9.977	-9.977	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	-9.977	-9.977	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	-9.977	-9.977	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-9.977	-9.977	0	%100
34	MP1C	Z	0	0	0	%100
35	MP5B	X	-9.977	-9.977	0	%100
36	MP5B	Z	0	0	0	%100
37	MP4B	X	-9.977	-9.977	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	-9.977	-9.977	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	-9.977	-9.977	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	-9.977	-9.977	0	%100
44	MP1B	Z	0	0	0	%100
45	M75	X	-17.567	-17.567	0	%100
46	M75	Z	0	0	0	%100
47	M77	X	-16.741	-16.741	0	%100
48	M77	Z	0	0	0	%100
49	M79	X	-16.741	-16.741	0	%100
50	M79	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-10.988	-10.988	0	%100
2	M4	Z	-6.344	-6.344	0	%100
3	M14	X	-10.988	-10.988	0	%100
4	M14	Z	-6.344	-6.344	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	M40	X	-15.159	-15.159	0	%100
8	M40	Z	-8.752	-8.752	0	%100
9	M41	X	-3.79	-3.79	0	%100
10	M41	Z	-2.188	-2.188	0	%100
11	M42	X	-3.79	-3.79	0	%100
12	M42	Z	-2.188	-2.188	0	%100
13	MP5A	X	-8.641	-8.641	0	%100
14	MP5A	Z	-4.989	-4.989	0	%100
15	OVP	X	-7.874	-7.874	0	%100
16	OVP	Z	-4.546	-4.546	0	%100
17	MP4A	X	-8.641	-8.641	0	%100
18	MP4A	Z	-4.989	-4.989	0	%100
19	MP3A	X	-8.641	-8.641	0	%100
20	MP3A	Z	-4.989	-4.989	0	%100
21	MP2A	X	-8.641	-8.641	0	%100
22	MP2A	Z	-4.989	-4.989	0	%100
23	MP1A	X	-8.641	-8.641	0	%100
24	MP1A	Z	-4.989	-4.989	0	%100
25	MP5C	X	-8.641	-8.641	0	%100
26	MP5C	Z	-4.989	-4.989	0	%100
27	MP4C	X	-8.641	-8.641	0	%100
28	MP4C	Z	-4.989	-4.989	0	%100
29	MP3C	X	-8.641	-8.641	0	%100
30	MP3C	Z	-4.989	-4.989	0	%100
31	MP2C	X	-8.641	-8.641	0	%100
32	MP2C	Z	-4.989	-4.989	0	%100
33	MP1C	X	-8.641	-8.641	0	%100
34	MP1C	Z	-4.989	-4.989	0	%100
35	MP5B	X	-8.641	-8.641	0	%100
36	MP5B	Z	-4.989	-4.989	0	%100
37	MP4B	X	-8.641	-8.641	0	%100
38	MP4B	Z	-4.989	-4.989	0	%100
39	MP3B	X	-8.641	-8.641	0	%100
40	MP3B	Z	-4.989	-4.989	0	%100
41	MP2B	X	-8.641	-8.641	0	%100
42	MP2B	Z	-4.989	-4.989	0	%100
43	MP1B	X	-8.641	-8.641	0	%100
44	MP1B	Z	-4.989	-4.989	0	%100
45	M75	X	-14.975	-14.975	0	%100
46	M75	Z	-8.646	-8.646	0	%100
47	M77	X	-14.975	-14.975	0	%100
48	M77	Z	-8.646	-8.646	0	%100
49	M79	X	-14.26	-14.26	0	%100
50	M79	Z	-8.233	-8.233	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-2.115	-2.115	0	%100
2	M4	Z	-3.663	-3.663	0	%100
3	M14	X	-8.459	-8.459	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M14	Z	-14.651	-14.651	0	%100
5	M27	X	-2.115	-2.115	0	%100
6	M27	Z	-3.663	-3.663	0	%100
7	M40	X	-6.564	-6.564	0	%100
8	M40	Z	-11.369	-11.369	0	%100
9	M41	X	0	0	0	%100
10	M41	Z	0	0	0	%100
11	M42	X	-6.564	-6.564	0	%100
12	M42	Z	-11.369	-11.369	0	%100
13	MP5A	X	-4.989	-4.989	0	%100
14	MP5A	Z	-8.641	-8.641	0	%100
15	OVP	X	-4.546	-4.546	0	%100
16	OVP	Z	-7.874	-7.874	0	%100
17	MP4A	X	-4.989	-4.989	0	%100
18	MP4A	Z	-8.641	-8.641	0	%100
19	MP3A	X	-4.989	-4.989	0	%100
20	MP3A	Z	-8.641	-8.641	0	%100
21	MP2A	X	-4.989	-4.989	0	%100
22	MP2A	Z	-8.641	-8.641	0	%100
23	MP1A	X	-4.989	-4.989	0	%100
24	MP1A	Z	-8.641	-8.641	0	%100
25	MP5C	X	-4.989	-4.989	0	%100
26	MP5C	Z	-8.641	-8.641	0	%100
27	MP4C	X	-4.989	-4.989	0	%100
28	MP4C	Z	-8.641	-8.641	0	%100
29	MP3C	X	-4.989	-4.989	0	%100
30	MP3C	Z	-8.641	-8.641	0	%100
31	MP2C	X	-4.989	-4.989	0	%100
32	MP2C	Z	-8.641	-8.641	0	%100
33	MP1C	X	-4.989	-4.989	0	%100
34	MP1C	Z	-8.641	-8.641	0	%100
35	MP5B	X	-4.989	-4.989	0	%100
36	MP5B	Z	-8.641	-8.641	0	%100
37	MP4B	X	-4.989	-4.989	0	%100
38	MP4B	Z	-8.641	-8.641	0	%100
39	MP3B	X	-4.989	-4.989	0	%100
40	MP3B	Z	-8.641	-8.641	0	%100
41	MP2B	X	-4.989	-4.989	0	%100
42	MP2B	Z	-8.641	-8.641	0	%100
43	MP1B	X	-4.989	-4.989	0	%100
44	MP1B	Z	-8.641	-8.641	0	%100
45	M75	X	-8.371	-8.371	0	%100
46	M75	Z	-14.499	-14.499	0	%100
47	M77	X	-8.783	-8.783	0	%100
48	M77	Z	-15.213	-15.213	0	%100
49	M79	X	-8.371	-8.371	0	%100
50	M79	Z	-14.499	-14.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	-3.533	-3.533	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	-3.533	-3.533	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M40	X	0	0	0	%100
8	M40	Z	-1.204	-1.204	0	%100
9	M41	X	0	0	0	%100
10	M41	Z	-1.204	-1.204	0	%100
11	M42	X	0	0	0	%100
12	M42	Z	-4.815	-4.815	0	%100
13	MP5A	X	0	0	0	%100
14	MP5A	Z	-3.486	-3.486	0	%100
15	OVP	X	0	0	0	%100
16	OVP	Z	-3.191	-3.191	0	%100
17	MP4A	X	0	0	0	%100
18	MP4A	Z	-3.486	-3.486	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	-3.486	-3.486	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-3.486	-3.486	0	%100
23	MP1A	X	0	0	0	%100
24	MP1A	Z	-3.486	-3.486	0	%100
25	MP5C	X	0	0	0	%100
26	MP5C	Z	-3.486	-3.486	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	-3.486	-3.486	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	-3.486	-3.486	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-3.486	-3.486	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	-3.486	-3.486	0	%100
35	MP5B	X	0	0	0	%100
36	MP5B	Z	-3.486	-3.486	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-3.486	-3.486	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	-3.486	-3.486	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	-3.486	-3.486	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	-3.486	-3.486	0	%100
45	M75	X	0	0	0	%100
46	M75	Z	-3.722	-3.722	0	%100
47	M77	X	0	0	0	%100
48	M77	Z	-4.42	-4.42	0	%100
49	M79	X	0	0	0	%100
50	M79	Z	-4.42	-4.42	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.589	.589	0	%100
2	M4	Z	-1.02	-1.02	0	%100
3	M14	X	.589	.589	0	%100
4	M14	Z	-1.02	-1.02	0	%100
5	M27	X	2.356	2.356	0	%100
6	M27	Z	-4.08	-4.08	0	%100
7	M40	X	0	0	0	%100
8	M40	Z	0	0	0	%100
9	M41	X	1.806	1.806	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M41	Z	-3.127	-3.127	0	%100
11	M42	X	1.806	1.806	0	%100
12	M42	Z	-3.127	-3.127	0	%100
13	MP5A	X	1.743	1.743	0	%100
14	MP5A	Z	-3.019	-3.019	0	%100
15	OVP	X	1.595	1.595	0	%100
16	OVP	Z	-2.763	-2.763	0	%100
17	MP4A	X	1.743	1.743	0	%100
18	MP4A	Z	-3.019	-3.019	0	%100
19	MP3A	X	1.743	1.743	0	%100
20	MP3A	Z	-3.019	-3.019	0	%100
21	MP2A	X	1.743	1.743	0	%100
22	MP2A	Z	-3.019	-3.019	0	%100
23	MP1A	X	1.743	1.743	0	%100
24	MP1A	Z	-3.019	-3.019	0	%100
25	MP5C	X	1.743	1.743	0	%100
26	MP5C	Z	-3.019	-3.019	0	%100
27	MP4C	X	1.743	1.743	0	%100
28	MP4C	Z	-3.019	-3.019	0	%100
29	MP3C	X	1.743	1.743	0	%100
30	MP3C	Z	-3.019	-3.019	0	%100
31	MP2C	X	1.743	1.743	0	%100
32	MP2C	Z	-3.019	-3.019	0	%100
33	MP1C	X	1.743	1.743	0	%100
34	MP1C	Z	-3.019	-3.019	0	%100
35	MP5B	X	1.743	1.743	0	%100
36	MP5B	Z	-3.019	-3.019	0	%100
37	MP4B	X	1.743	1.743	0	%100
38	MP4B	Z	-3.019	-3.019	0	%100
39	MP3B	X	1.743	1.743	0	%100
40	MP3B	Z	-3.019	-3.019	0	%100
41	MP2B	X	1.743	1.743	0	%100
42	MP2B	Z	-3.019	-3.019	0	%100
43	MP1B	X	1.743	1.743	0	%100
44	MP1B	Z	-3.019	-3.019	0	%100
45	M75	X	1.977	1.977	0	%100
46	M75	Z	-3.425	-3.425	0	%100
47	M77	X	1.977	1.977	0	%100
48	M77	Z	-3.425	-3.425	0	%100
49	M79	X	2.326	2.326	0	%100
50	M79	Z	-4.029	-4.029	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	3.06	3.06	0	%100
2	M4	Z	-1.767	-1.767	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	3.06	3.06	0	%100
6	M27	Z	-1.767	-1.767	0	%100
7	M40	X	1.042	1.042	0	%100
8	M40	Z	-.602	-.602	0	%100
9	M41	X	4.17	4.17	0	%100
10	M41	Z	-2.407	-2.407	0	%100
11	M42	X	1.042	1.042	0	%100
12	M42	Z	-.602	-.602	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	MP5A	X	3.019	3.019	0	%100
14	MP5A	Z	-1.743	-1.743	0	%100
15	OVP	X	2.763	2.763	0	%100
16	OVP	Z	-1.595	-1.595	0	%100
17	MP4A	X	3.019	3.019	0	%100
18	MP4A	Z	-1.743	-1.743	0	%100
19	MP3A	X	3.019	3.019	0	%100
20	MP3A	Z	-1.743	-1.743	0	%100
21	MP2A	X	3.019	3.019	0	%100
22	MP2A	Z	-1.743	-1.743	0	%100
23	MP1A	X	3.019	3.019	0	%100
24	MP1A	Z	-1.743	-1.743	0	%100
25	MP5C	X	3.019	3.019	0	%100
26	MP5C	Z	-1.743	-1.743	0	%100
27	MP4C	X	3.019	3.019	0	%100
28	MP4C	Z	-1.743	-1.743	0	%100
29	MP3C	X	3.019	3.019	0	%100
30	MP3C	Z	-1.743	-1.743	0	%100
31	MP2C	X	3.019	3.019	0	%100
32	MP2C	Z	-1.743	-1.743	0	%100
33	MP1C	X	3.019	3.019	0	%100
34	MP1C	Z	-1.743	-1.743	0	%100
35	MP5B	X	3.019	3.019	0	%100
36	MP5B	Z	-1.743	-1.743	0	%100
37	MP4B	X	3.019	3.019	0	%100
38	MP4B	Z	-1.743	-1.743	0	%100
39	MP3B	X	3.019	3.019	0	%100
40	MP3B	Z	-1.743	-1.743	0	%100
41	MP2B	X	3.019	3.019	0	%100
42	MP2B	Z	-1.743	-1.743	0	%100
43	MP1B	X	3.019	3.019	0	%100
44	MP1B	Z	-1.743	-1.743	0	%100
45	M75	X	3.828	3.828	0	%100
46	M75	Z	-2.21	-2.21	0	%100
47	M77	X	3.223	3.223	0	%100
48	M77	Z	-1.861	-1.861	0	%100
49	M79	X	3.828	3.828	0	%100
50	M79	Z	-2.21	-2.21	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	4.711	4.711	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	1.178	1.178	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	1.178	1.178	0	%100
6	M27	Z	0	0	0	%100
7	M40	X	3.611	3.611	0	%100
8	M40	Z	0	0	0	%100
9	M41	X	3.611	3.611	0	%100
10	M41	Z	0	0	0	%100
11	M42	X	0	0	0	%100
12	M42	Z	0	0	0	%100
13	MP5A	X	3.486	3.486	0	%100
14	MP5A	Z	0	0	0	%100
15	OVP	X	3.191	3.191	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	OVP	Z	0	0	0	%100
17	MP4A	X	3.486	3.486	0	%100
18	MP4A	Z	0	0	0	%100
19	MP3A	X	3.486	3.486	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	3.486	3.486	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	3.486	3.486	0	%100
24	MP1A	Z	0	0	0	%100
25	MP5C	X	3.486	3.486	0	%100
26	MP5C	Z	0	0	0	%100
27	MP4C	X	3.486	3.486	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	3.486	3.486	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	3.486	3.486	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	3.486	3.486	0	%100
34	MP1C	Z	0	0	0	%100
35	MP5B	X	3.486	3.486	0	%100
36	MP5B	Z	0	0	0	%100
37	MP4B	X	3.486	3.486	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	3.486	3.486	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	3.486	3.486	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	3.486	3.486	0	%100
44	MP1B	Z	0	0	0	%100
45	M75	X	4.653	4.653	0	%100
46	M75	Z	0	0	0	%100
47	M77	X	3.955	3.955	0	%100
48	M77	Z	0	0	0	%100
49	M79	X	3.955	3.955	0	%100
50	M79	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	3.06	3.06	0	%100
2	M4	Z	1.767	1.767	0	%100
3	M14	X	3.06	3.06	0	%100
4	M14	Z	1.767	1.767	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	M40	X	4.17	4.17	0	%100
8	M40	Z	2.407	2.407	0	%100
9	M41	X	1.042	1.042	0	%100
10	M41	Z	.602	.602	0	%100
11	M42	X	1.042	1.042	0	%100
12	M42	Z	.602	.602	0	%100
13	MP5A	X	3.019	3.019	0	%100
14	MP5A	Z	1.743	1.743	0	%100
15	OVP	X	2.763	2.763	0	%100
16	OVP	Z	1.595	1.595	0	%100
17	MP4A	X	3.019	3.019	0	%100
18	MP4A	Z	1.743	1.743	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	MP3A	X	3.019	3.019	0	%100
20	MP3A	Z	1.743	1.743	0	%100
21	MP2A	X	3.019	3.019	0	%100
22	MP2A	Z	1.743	1.743	0	%100
23	MP1A	X	3.019	3.019	0	%100
24	MP1A	Z	1.743	1.743	0	%100
25	MP5C	X	3.019	3.019	0	%100
26	MP5C	Z	1.743	1.743	0	%100
27	MP4C	X	3.019	3.019	0	%100
28	MP4C	Z	1.743	1.743	0	%100
29	MP3C	X	3.019	3.019	0	%100
30	MP3C	Z	1.743	1.743	0	%100
31	MP2C	X	3.019	3.019	0	%100
32	MP2C	Z	1.743	1.743	0	%100
33	MP1C	X	3.019	3.019	0	%100
34	MP1C	Z	1.743	1.743	0	%100
35	MP5B	X	3.019	3.019	0	%100
36	MP5B	Z	1.743	1.743	0	%100
37	MP4B	X	3.019	3.019	0	%100
38	MP4B	Z	1.743	1.743	0	%100
39	MP3B	X	3.019	3.019	0	%100
40	MP3B	Z	1.743	1.743	0	%100
41	MP2B	X	3.019	3.019	0	%100
42	MP2B	Z	1.743	1.743	0	%100
43	MP1B	X	3.019	3.019	0	%100
44	MP1B	Z	1.743	1.743	0	%100
45	M75	X	3.828	3.828	0	%100
46	M75	Z	2.21	2.21	0	%100
47	M77	X	3.828	3.828	0	%100
48	M77	Z	2.21	2.21	0	%100
49	M79	X	3.223	3.223	0	%100
50	M79	Z	1.861	1.861	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.589	.589	0	%100
2	M4	Z	1.02	1.02	0	%100
3	M14	X	2.356	2.356	0	%100
4	M14	Z	4.08	4.08	0	%100
5	M27	X	.589	.589	0	%100
6	M27	Z	1.02	1.02	0	%100
7	M40	X	1.806	1.806	0	%100
8	M40	Z	3.127	3.127	0	%100
9	M41	X	0	0	0	%100
10	M41	Z	0	0	0	%100
11	M42	X	1.806	1.806	0	%100
12	M42	Z	3.127	3.127	0	%100
13	MP5A	X	1.743	1.743	0	%100
14	MP5A	Z	3.019	3.019	0	%100
15	OVP	X	1.595	1.595	0	%100
16	OVP	Z	2.763	2.763	0	%100
17	MP4A	X	1.743	1.743	0	%100
18	MP4A	Z	3.019	3.019	0	%100
19	MP3A	X	1.743	1.743	0	%100
20	MP3A	Z	3.019	3.019	0	%100
21	MP2A	X	1.743	1.743	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	MP2A	Z	3.019	3.019	0	%100
23	MP1A	X	1.743	1.743	0	%100
24	MP1A	Z	3.019	3.019	0	%100
25	MP5C	X	1.743	1.743	0	%100
26	MP5C	Z	3.019	3.019	0	%100
27	MP4C	X	1.743	1.743	0	%100
28	MP4C	Z	3.019	3.019	0	%100
29	MP3C	X	1.743	1.743	0	%100
30	MP3C	Z	3.019	3.019	0	%100
31	MP2C	X	1.743	1.743	0	%100
32	MP2C	Z	3.019	3.019	0	%100
33	MP1C	X	1.743	1.743	0	%100
34	MP1C	Z	3.019	3.019	0	%100
35	MP5B	X	1.743	1.743	0	%100
36	MP5B	Z	3.019	3.019	0	%100
37	MP4B	X	1.743	1.743	0	%100
38	MP4B	Z	3.019	3.019	0	%100
39	MP3B	X	1.743	1.743	0	%100
40	MP3B	Z	3.019	3.019	0	%100
41	MP2B	X	1.743	1.743	0	%100
42	MP2B	Z	3.019	3.019	0	%100
43	MP1B	X	1.743	1.743	0	%100
44	MP1B	Z	3.019	3.019	0	%100
45	M75	X	1.977	1.977	0	%100
46	M75	Z	3.425	3.425	0	%100
47	M77	X	2.326	2.326	0	%100
48	M77	Z	4.029	4.029	0	%100
49	M79	X	1.977	1.977	0	%100
50	M79	Z	3.425	3.425	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	3.533	3.533	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	3.533	3.533	0	%100
7	M40	X	0	0	0	%100
8	M40	Z	1.204	1.204	0	%100
9	M41	X	0	0	0	%100
10	M41	Z	1.204	1.204	0	%100
11	M42	X	0	0	0	%100
12	M42	Z	4.815	4.815	0	%100
13	MP5A	X	0	0	0	%100
14	MP5A	Z	3.486	3.486	0	%100
15	OVP	X	0	0	0	%100
16	OVP	Z	3.191	3.191	0	%100
17	MP4A	X	0	0	0	%100
18	MP4A	Z	3.486	3.486	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	3.486	3.486	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	3.486	3.486	0	%100
23	MP1A	X	0	0	0	%100
24	MP1A	Z	3.486	3.486	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	MP5C	X	0	0	0	%100
26	MP5C	Z	3.486	3.486	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	3.486	3.486	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	3.486	3.486	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	3.486	3.486	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	3.486	3.486	0	%100
35	MP5B	X	0	0	0	%100
36	MP5B	Z	3.486	3.486	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	3.486	3.486	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	3.486	3.486	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	3.486	3.486	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	3.486	3.486	0	%100
45	M75	X	0	0	0	%100
46	M75	Z	3.722	3.722	0	%100
47	M77	X	0	0	0	%100
48	M77	Z	4.42	4.42	0	%100
49	M79	X	0	0	0	%100
50	M79	Z	4.42	4.42	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.589	-.589	0	%100
2	M4	Z	1.02	1.02	0	%100
3	M14	X	-.589	-.589	0	%100
4	M14	Z	1.02	1.02	0	%100
5	M27	X	-2.356	-2.356	0	%100
6	M27	Z	4.08	4.08	0	%100
7	M40	X	0	0	0	%100
8	M40	Z	0	0	0	%100
9	M41	X	-1.806	-1.806	0	%100
10	M41	Z	3.127	3.127	0	%100
11	M42	X	-1.806	-1.806	0	%100
12	M42	Z	3.127	3.127	0	%100
13	MP5A	X	-1.743	-1.743	0	%100
14	MP5A	Z	3.019	3.019	0	%100
15	OVP	X	-1.595	-1.595	0	%100
16	OVP	Z	2.763	2.763	0	%100
17	MP4A	X	-1.743	-1.743	0	%100
18	MP4A	Z	3.019	3.019	0	%100
19	MP3A	X	-1.743	-1.743	0	%100
20	MP3A	Z	3.019	3.019	0	%100
21	MP2A	X	-1.743	-1.743	0	%100
22	MP2A	Z	3.019	3.019	0	%100
23	MP1A	X	-1.743	-1.743	0	%100
24	MP1A	Z	3.019	3.019	0	%100
25	MP5C	X	-1.743	-1.743	0	%100
26	MP5C	Z	3.019	3.019	0	%100
27	MP4C	X	-1.743	-1.743	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	MP4C	Z	3.019	3.019	0	%100
29	MP3C	X	-1.743	-1.743	0	%100
30	MP3C	Z	3.019	3.019	0	%100
31	MP2C	X	-1.743	-1.743	0	%100
32	MP2C	Z	3.019	3.019	0	%100
33	MP1C	X	-1.743	-1.743	0	%100
34	MP1C	Z	3.019	3.019	0	%100
35	MP5B	X	-1.743	-1.743	0	%100
36	MP5B	Z	3.019	3.019	0	%100
37	MP4B	X	-1.743	-1.743	0	%100
38	MP4B	Z	3.019	3.019	0	%100
39	MP3B	X	-1.743	-1.743	0	%100
40	MP3B	Z	3.019	3.019	0	%100
41	MP2B	X	-1.743	-1.743	0	%100
42	MP2B	Z	3.019	3.019	0	%100
43	MP1B	X	-1.743	-1.743	0	%100
44	MP1B	Z	3.019	3.019	0	%100
45	M75	X	-1.977	-1.977	0	%100
46	M75	Z	3.425	3.425	0	%100
47	M77	X	-1.977	-1.977	0	%100
48	M77	Z	3.425	3.425	0	%100
49	M79	X	-2.326	-2.326	0	%100
50	M79	Z	4.029	4.029	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-3.06	-3.06	0	%100
2	M4	Z	1.767	1.767	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	-3.06	-3.06	0	%100
6	M27	Z	1.767	1.767	0	%100
7	M40	X	-1.042	-1.042	0	%100
8	M40	Z	.602	.602	0	%100
9	M41	X	-4.17	-4.17	0	%100
10	M41	Z	2.407	2.407	0	%100
11	M42	X	-1.042	-1.042	0	%100
12	M42	Z	.602	.602	0	%100
13	MP5A	X	-3.019	-3.019	0	%100
14	MP5A	Z	1.743	1.743	0	%100
15	OVP	X	-2.763	-2.763	0	%100
16	OVP	Z	1.595	1.595	0	%100
17	MP4A	X	-3.019	-3.019	0	%100
18	MP4A	Z	1.743	1.743	0	%100
19	MP3A	X	-3.019	-3.019	0	%100
20	MP3A	Z	1.743	1.743	0	%100
21	MP2A	X	-3.019	-3.019	0	%100
22	MP2A	Z	1.743	1.743	0	%100
23	MP1A	X	-3.019	-3.019	0	%100
24	MP1A	Z	1.743	1.743	0	%100
25	MP5C	X	-3.019	-3.019	0	%100
26	MP5C	Z	1.743	1.743	0	%100
27	MP4C	X	-3.019	-3.019	0	%100
28	MP4C	Z	1.743	1.743	0	%100
29	MP3C	X	-3.019	-3.019	0	%100
30	MP3C	Z	1.743	1.743	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	MP2C	X	-3.019	-3.019	0	%100
32	MP2C	Z	1.743	1.743	0	%100
33	MP1C	X	-3.019	-3.019	0	%100
34	MP1C	Z	1.743	1.743	0	%100
35	MP5B	X	-3.019	-3.019	0	%100
36	MP5B	Z	1.743	1.743	0	%100
37	MP4B	X	-3.019	-3.019	0	%100
38	MP4B	Z	1.743	1.743	0	%100
39	MP3B	X	-3.019	-3.019	0	%100
40	MP3B	Z	1.743	1.743	0	%100
41	MP2B	X	-3.019	-3.019	0	%100
42	MP2B	Z	1.743	1.743	0	%100
43	MP1B	X	-3.019	-3.019	0	%100
44	MP1B	Z	1.743	1.743	0	%100
45	M75	X	-3.828	-3.828	0	%100
46	M75	Z	2.21	2.21	0	%100
47	M77	X	-3.223	-3.223	0	%100
48	M77	Z	1.861	1.861	0	%100
49	M79	X	-3.828	-3.828	0	%100
50	M79	Z	2.21	2.21	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-4.711	-4.711	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	-1.178	-1.178	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	-1.178	-1.178	0	%100
6	M27	Z	0	0	0	%100
7	M40	X	-3.611	-3.611	0	%100
8	M40	Z	0	0	0	%100
9	M41	X	-3.611	-3.611	0	%100
10	M41	Z	0	0	0	%100
11	M42	X	0	0	0	%100
12	M42	Z	0	0	0	%100
13	MP5A	X	-3.486	-3.486	0	%100
14	MP5A	Z	0	0	0	%100
15	OVP	X	-3.191	-3.191	0	%100
16	OVP	Z	0	0	0	%100
17	MP4A	X	-3.486	-3.486	0	%100
18	MP4A	Z	0	0	0	%100
19	MP3A	X	-3.486	-3.486	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	-3.486	-3.486	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	-3.486	-3.486	0	%100
24	MP1A	Z	0	0	0	%100
25	MP5C	X	-3.486	-3.486	0	%100
26	MP5C	Z	0	0	0	%100
27	MP4C	X	-3.486	-3.486	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	-3.486	-3.486	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	-3.486	-3.486	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-3.486	-3.486	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	MP1C	Z	0	0	0	%100
35	MP5B	X	-3.486	-3.486	0	%100
36	MP5B	Z	0	0	0	%100
37	MP4B	X	-3.486	-3.486	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	-3.486	-3.486	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	-3.486	-3.486	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	-3.486	-3.486	0	%100
44	MP1B	Z	0	0	0	%100
45	M75	X	-4.653	-4.653	0	%100
46	M75	Z	0	0	0	%100
47	M77	X	-3.955	-3.955	0	%100
48	M77	Z	0	0	0	%100
49	M79	X	-3.955	-3.955	0	%100
50	M79	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-3.06	-3.06	0	%100
2	M4	Z	-1.767	-1.767	0	%100
3	M14	X	-3.06	-3.06	0	%100
4	M14	Z	-1.767	-1.767	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	M40	X	-4.17	-4.17	0	%100
8	M40	Z	-2.407	-2.407	0	%100
9	M41	X	-1.042	-1.042	0	%100
10	M41	Z	-.602	-.602	0	%100
11	M42	X	-1.042	-1.042	0	%100
12	M42	Z	-.602	-.602	0	%100
13	MP5A	X	-3.019	-3.019	0	%100
14	MP5A	Z	-1.743	-1.743	0	%100
15	OVP	X	-2.763	-2.763	0	%100
16	OVP	Z	-1.595	-1.595	0	%100
17	MP4A	X	-3.019	-3.019	0	%100
18	MP4A	Z	-1.743	-1.743	0	%100
19	MP3A	X	-3.019	-3.019	0	%100
20	MP3A	Z	-1.743	-1.743	0	%100
21	MP2A	X	-3.019	-3.019	0	%100
22	MP2A	Z	-1.743	-1.743	0	%100
23	MP1A	X	-3.019	-3.019	0	%100
24	MP1A	Z	-1.743	-1.743	0	%100
25	MP5C	X	-3.019	-3.019	0	%100
26	MP5C	Z	-1.743	-1.743	0	%100
27	MP4C	X	-3.019	-3.019	0	%100
28	MP4C	Z	-1.743	-1.743	0	%100
29	MP3C	X	-3.019	-3.019	0	%100
30	MP3C	Z	-1.743	-1.743	0	%100
31	MP2C	X	-3.019	-3.019	0	%100
32	MP2C	Z	-1.743	-1.743	0	%100
33	MP1C	X	-3.019	-3.019	0	%100
34	MP1C	Z	-1.743	-1.743	0	%100
35	MP5B	X	-3.019	-3.019	0	%100
36	MP5B	Z	-1.743	-1.743	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP4B	X	-3.019	-3.019	0	%100
38	MP4B	Z	-1.743	-1.743	0	%100
39	MP3B	X	-3.019	-3.019	0	%100
40	MP3B	Z	-1.743	-1.743	0	%100
41	MP2B	X	-3.019	-3.019	0	%100
42	MP2B	Z	-1.743	-1.743	0	%100
43	MP1B	X	-3.019	-3.019	0	%100
44	MP1B	Z	-1.743	-1.743	0	%100
45	M75	X	-3.828	-3.828	0	%100
46	M75	Z	-2.21	-2.21	0	%100
47	M77	X	-3.828	-3.828	0	%100
48	M77	Z	-2.21	-2.21	0	%100
49	M79	X	-3.223	-3.223	0	%100
50	M79	Z	-1.861	-1.861	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.589	-.589	0	%100
2	M4	Z	-1.02	-1.02	0	%100
3	M14	X	-2.356	-2.356	0	%100
4	M14	Z	-4.08	-4.08	0	%100
5	M27	X	-.589	-.589	0	%100
6	M27	Z	-1.02	-1.02	0	%100
7	M40	X	-1.806	-1.806	0	%100
8	M40	Z	-3.127	-3.127	0	%100
9	M41	X	0	0	0	%100
10	M41	Z	0	0	0	%100
11	M42	X	-1.806	-1.806	0	%100
12	M42	Z	-3.127	-3.127	0	%100
13	MP5A	X	-1.743	-1.743	0	%100
14	MP5A	Z	-3.019	-3.019	0	%100
15	OVP	X	-1.595	-1.595	0	%100
16	OVP	Z	-2.763	-2.763	0	%100
17	MP4A	X	-1.743	-1.743	0	%100
18	MP4A	Z	-3.019	-3.019	0	%100
19	MP3A	X	-1.743	-1.743	0	%100
20	MP3A	Z	-3.019	-3.019	0	%100
21	MP2A	X	-1.743	-1.743	0	%100
22	MP2A	Z	-3.019	-3.019	0	%100
23	MP1A	X	-1.743	-1.743	0	%100
24	MP1A	Z	-3.019	-3.019	0	%100
25	MP5C	X	-1.743	-1.743	0	%100
26	MP5C	Z	-3.019	-3.019	0	%100
27	MP4C	X	-1.743	-1.743	0	%100
28	MP4C	Z	-3.019	-3.019	0	%100
29	MP3C	X	-1.743	-1.743	0	%100
30	MP3C	Z	-3.019	-3.019	0	%100
31	MP2C	X	-1.743	-1.743	0	%100
32	MP2C	Z	-3.019	-3.019	0	%100
33	MP1C	X	-1.743	-1.743	0	%100
34	MP1C	Z	-3.019	-3.019	0	%100
35	MP5B	X	-1.743	-1.743	0	%100
36	MP5B	Z	-3.019	-3.019	0	%100
37	MP4B	X	-1.743	-1.743	0	%100
38	MP4B	Z	-3.019	-3.019	0	%100
39	MP3B	X	-1.743	-1.743	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	MP3B	Z	-3.019	-3.019	0	%100
41	MP2B	X	-1.743	-1.743	0	%100
42	MP2B	Z	-3.019	-3.019	0	%100
43	MP1B	X	-1.743	-1.743	0	%100
44	MP1B	Z	-3.019	-3.019	0	%100
45	M75	X	-1.977	-1.977	0	%100
46	M75	Z	-3.425	-3.425	0	%100
47	M77	X	-2.326	-2.326	0	%100
48	M77	Z	-4.029	-4.029	0	%100
49	M79	X	-1.977	-1.977	0	%100
50	M79	Z	-3.425	-3.425	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	-.806	-.806	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	-.806	-.806	0	%100
7	M40	X	0	0	0	%100
8	M40	Z	-.278	-.278	0	%100
9	M41	X	0	0	0	%100
10	M41	Z	-.278	-.278	0	%100
11	M42	X	0	0	0	%100
12	M42	Z	-1.112	-1.112	0	%100
13	MP5A	X	0	0	0	%100
14	MP5A	Z	-.634	-.634	0	%100
15	OVP	X	0	0	0	%100
16	OVP	Z	-.578	-.578	0	%100
17	MP4A	X	0	0	0	%100
18	MP4A	Z	-.634	-.634	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	-.634	-.634	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-.634	-.634	0	%100
23	MP1A	X	0	0	0	%100
24	MP1A	Z	-.634	-.634	0	%100
25	MP5C	X	0	0	0	%100
26	MP5C	Z	-.634	-.634	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	-.634	-.634	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	-.634	-.634	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-.634	-.634	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	-.634	-.634	0	%100
35	MP5B	X	0	0	0	%100
36	MP5B	Z	-.634	-.634	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-.634	-.634	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	-.634	-.634	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	-.634	-.634	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	MP1B	X	0	0	0	%100
44	MP1B	Z	-.634	-.634	0	%100
45	M75	X	0	0	0	%100
46	M75	Z	-1.047	-1.047	0	%100
47	M77	X	0	0	0	%100
48	M77	Z	-1.099	-1.099	0	%100
49	M79	X	0	0	0	%100
50	M79	Z	-1.099	-1.099	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.134	.134	0	%100
2	M4	Z	-.233	-.233	0	%100
3	M14	X	.134	.134	0	%100
4	M14	Z	-.233	-.233	0	%100
5	M27	X	.538	.538	0	%100
6	M27	Z	-.931	-.931	0	%100
7	M40	X	0	0	0	%100
8	M40	Z	0	0	0	%100
9	M41	X	.417	.417	0	%100
10	M41	Z	-.723	-.723	0	%100
11	M42	X	.417	.417	0	%100
12	M42	Z	-.723	-.723	0	%100
13	MP5A	X	.317	.317	0	%100
14	MP5A	Z	-.549	-.549	0	%100
15	OVP	X	.289	.289	0	%100
16	OVP	Z	-.5	-.5	0	%100
17	MP4A	X	.317	.317	0	%100
18	MP4A	Z	-.549	-.549	0	%100
19	MP3A	X	.317	.317	0	%100
20	MP3A	Z	-.549	-.549	0	%100
21	MP2A	X	.317	.317	0	%100
22	MP2A	Z	-.549	-.549	0	%100
23	MP1A	X	.317	.317	0	%100
24	MP1A	Z	-.549	-.549	0	%100
25	MP5C	X	.317	.317	0	%100
26	MP5C	Z	-.549	-.549	0	%100
27	MP4C	X	.317	.317	0	%100
28	MP4C	Z	-.549	-.549	0	%100
29	MP3C	X	.317	.317	0	%100
30	MP3C	Z	-.549	-.549	0	%100
31	MP2C	X	.317	.317	0	%100
32	MP2C	Z	-.549	-.549	0	%100
33	MP1C	X	.317	.317	0	%100
34	MP1C	Z	-.549	-.549	0	%100
35	MP5B	X	.317	.317	0	%100
36	MP5B	Z	-.549	-.549	0	%100
37	MP4B	X	.317	.317	0	%100
38	MP4B	Z	-.549	-.549	0	%100
39	MP3B	X	.317	.317	0	%100
40	MP3B	Z	-.549	-.549	0	%100
41	MP2B	X	.317	.317	0	%100
42	MP2B	Z	-.549	-.549	0	%100
43	MP1B	X	.317	.317	0	%100
44	MP1B	Z	-.549	-.549	0	%100
45	M75	X	.532	.532	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M75	Z	-.921	-.921	0	%100
47	M77	X	.532	.532	0	%100
48	M77	Z	-.921	-.921	0	%100
49	M79	X	.558	.558	0	%100
50	M79	Z	-.967	-.967	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.698	.698	0	%100
2	M4	Z	-.403	-.403	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	.698	.698	0	%100
6	M27	Z	-.403	-.403	0	%100
7	M40	X	.241	.241	0	%100
8	M40	Z	-.139	-.139	0	%100
9	M41	X	.963	.963	0	%100
10	M41	Z	-.556	-.556	0	%100
11	M42	X	.241	.241	0	%100
12	M42	Z	-.139	-.139	0	%100
13	MP5A	X	.549	.549	0	%100
14	MP5A	Z	-.317	-.317	0	%100
15	OVP	X	.5	.5	0	%100
16	OVP	Z	-.289	-.289	0	%100
17	MP4A	X	.549	.549	0	%100
18	MP4A	Z	-.317	-.317	0	%100
19	MP3A	X	.549	.549	0	%100
20	MP3A	Z	-.317	-.317	0	%100
21	MP2A	X	.549	.549	0	%100
22	MP2A	Z	-.317	-.317	0	%100
23	MP1A	X	.549	.549	0	%100
24	MP1A	Z	-.317	-.317	0	%100
25	MP5C	X	.549	.549	0	%100
26	MP5C	Z	-.317	-.317	0	%100
27	MP4C	X	.549	.549	0	%100
28	MP4C	Z	-.317	-.317	0	%100
29	MP3C	X	.549	.549	0	%100
30	MP3C	Z	-.317	-.317	0	%100
31	MP2C	X	.549	.549	0	%100
32	MP2C	Z	-.317	-.317	0	%100
33	MP1C	X	.549	.549	0	%100
34	MP1C	Z	-.317	-.317	0	%100
35	MP5B	X	.549	.549	0	%100
36	MP5B	Z	-.317	-.317	0	%100
37	MP4B	X	.549	.549	0	%100
38	MP4B	Z	-.317	-.317	0	%100
39	MP3B	X	.549	.549	0	%100
40	MP3B	Z	-.317	-.317	0	%100
41	MP2B	X	.549	.549	0	%100
42	MP2B	Z	-.317	-.317	0	%100
43	MP1B	X	.549	.549	0	%100
44	MP1B	Z	-.317	-.317	0	%100
45	M75	X	.952	.952	0	%100
46	M75	Z	-.549	-.549	0	%100
47	M77	X	.906	.906	0	%100
48	M77	Z	-.523	-.523	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	M79	X	.952	.952	0	%100
50	M79	Z	-.549	-.549	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	1.075	1.075	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	.269	.269	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	.269	.269	0	%100
6	M27	Z	0	0	0	%100
7	M40	X	.834	.834	0	%100
8	M40	Z	0	0	0	%100
9	M41	X	.834	.834	0	%100
10	M41	Z	0	0	0	%100
11	M42	X	0	0	0	%100
12	M42	Z	0	0	0	%100
13	MP5A	X	.634	.634	0	%100
14	MP5A	Z	0	0	0	%100
15	OVP	X	.578	.578	0	%100
16	OVP	Z	0	0	0	%100
17	MP4A	X	.634	.634	0	%100
18	MP4A	Z	0	0	0	%100
19	MP3A	X	.634	.634	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	.634	.634	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	.634	.634	0	%100
24	MP1A	Z	0	0	0	%100
25	MP5C	X	.634	.634	0	%100
26	MP5C	Z	0	0	0	%100
27	MP4C	X	.634	.634	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	.634	.634	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	.634	.634	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	.634	.634	0	%100
34	MP1C	Z	0	0	0	%100
35	MP5B	X	.634	.634	0	%100
36	MP5B	Z	0	0	0	%100
37	MP4B	X	.634	.634	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	.634	.634	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	.634	.634	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	.634	.634	0	%100
44	MP1B	Z	0	0	0	%100
45	M75	X	1.116	1.116	0	%100
46	M75	Z	0	0	0	%100
47	M77	X	1.064	1.064	0	%100
48	M77	Z	0	0	0	%100
49	M79	X	1.064	1.064	0	%100
50	M79	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.698	.698	0	%100
2	M4	Z	.403	.403	0	%100
3	M14	X	.698	.698	0	%100
4	M14	Z	.403	.403	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	M40	X	.963	.963	0	%100
8	M40	Z	.556	.556	0	%100
9	M41	X	.241	.241	0	%100
10	M41	Z	.139	.139	0	%100
11	M42	X	.241	.241	0	%100
12	M42	Z	.139	.139	0	%100
13	MP5A	X	.549	.549	0	%100
14	MP5A	Z	.317	.317	0	%100
15	OVP	X	.5	.5	0	%100
16	OVP	Z	.289	.289	0	%100
17	MP4A	X	.549	.549	0	%100
18	MP4A	Z	.317	.317	0	%100
19	MP3A	X	.549	.549	0	%100
20	MP3A	Z	.317	.317	0	%100
21	MP2A	X	.549	.549	0	%100
22	MP2A	Z	.317	.317	0	%100
23	MP1A	X	.549	.549	0	%100
24	MP1A	Z	.317	.317	0	%100
25	MP5C	X	.549	.549	0	%100
26	MP5C	Z	.317	.317	0	%100
27	MP4C	X	.549	.549	0	%100
28	MP4C	Z	.317	.317	0	%100
29	MP3C	X	.549	.549	0	%100
30	MP3C	Z	.317	.317	0	%100
31	MP2C	X	.549	.549	0	%100
32	MP2C	Z	.317	.317	0	%100
33	MP1C	X	.549	.549	0	%100
34	MP1C	Z	.317	.317	0	%100
35	MP5B	X	.549	.549	0	%100
36	MP5B	Z	.317	.317	0	%100
37	MP4B	X	.549	.549	0	%100
38	MP4B	Z	.317	.317	0	%100
39	MP3B	X	.549	.549	0	%100
40	MP3B	Z	.317	.317	0	%100
41	MP2B	X	.549	.549	0	%100
42	MP2B	Z	.317	.317	0	%100
43	MP1B	X	.549	.549	0	%100
44	MP1B	Z	.317	.317	0	%100
45	M75	X	.952	.952	0	%100
46	M75	Z	.549	.549	0	%100
47	M77	X	.952	.952	0	%100
48	M77	Z	.549	.549	0	%100
49	M79	X	.906	.906	0	%100
50	M79	Z	.523	.523	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.134	.134	0	%100
2	M4	Z	.233	.233	0	%100
3	M14	X	.538	.538	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M14	Z	.931	.931	0	%100
5	M27	X	.134	.134	0	%100
6	M27	Z	.233	.233	0	%100
7	M40	X	.417	.417	0	%100
8	M40	Z	.723	.723	0	%100
9	M41	X	0	0	0	%100
10	M41	Z	0	0	0	%100
11	M42	X	.417	.417	0	%100
12	M42	Z	.723	.723	0	%100
13	MP5A	X	.317	.317	0	%100
14	MP5A	Z	.549	.549	0	%100
15	OVP	X	.289	.289	0	%100
16	OVP	Z	.5	.5	0	%100
17	MP4A	X	.317	.317	0	%100
18	MP4A	Z	.549	.549	0	%100
19	MP3A	X	.317	.317	0	%100
20	MP3A	Z	.549	.549	0	%100
21	MP2A	X	.317	.317	0	%100
22	MP2A	Z	.549	.549	0	%100
23	MP1A	X	.317	.317	0	%100
24	MP1A	Z	.549	.549	0	%100
25	MP5C	X	.317	.317	0	%100
26	MP5C	Z	.549	.549	0	%100
27	MP4C	X	.317	.317	0	%100
28	MP4C	Z	.549	.549	0	%100
29	MP3C	X	.317	.317	0	%100
30	MP3C	Z	.549	.549	0	%100
31	MP2C	X	.317	.317	0	%100
32	MP2C	Z	.549	.549	0	%100
33	MP1C	X	.317	.317	0	%100
34	MP1C	Z	.549	.549	0	%100
35	MP5B	X	.317	.317	0	%100
36	MP5B	Z	.549	.549	0	%100
37	MP4B	X	.317	.317	0	%100
38	MP4B	Z	.549	.549	0	%100
39	MP3B	X	.317	.317	0	%100
40	MP3B	Z	.549	.549	0	%100
41	MP2B	X	.317	.317	0	%100
42	MP2B	Z	.549	.549	0	%100
43	MP1B	X	.317	.317	0	%100
44	MP1B	Z	.549	.549	0	%100
45	M75	X	.532	.532	0	%100
46	M75	Z	.921	.921	0	%100
47	M77	X	.558	.558	0	%100
48	M77	Z	.967	.967	0	%100
49	M79	X	.532	.532	0	%100
50	M79	Z	.921	.921	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	.806	.806	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	.806	.806	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M40	X	0	0	0	%100
8	M40	Z	.278	.278	0	%100
9	M41	X	0	0	0	%100
10	M41	Z	.278	.278	0	%100
11	M42	X	0	0	0	%100
12	M42	Z	1.112	1.112	0	%100
13	MP5A	X	0	0	0	%100
14	MP5A	Z	.634	.634	0	%100
15	OVP	X	0	0	0	%100
16	OVP	Z	.578	.578	0	%100
17	MP4A	X	0	0	0	%100
18	MP4A	Z	.634	.634	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	.634	.634	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	.634	.634	0	%100
23	MP1A	X	0	0	0	%100
24	MP1A	Z	.634	.634	0	%100
25	MP5C	X	0	0	0	%100
26	MP5C	Z	.634	.634	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	.634	.634	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	.634	.634	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	.634	.634	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	.634	.634	0	%100
35	MP5B	X	0	0	0	%100
36	MP5B	Z	.634	.634	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	.634	.634	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	.634	.634	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	.634	.634	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	.634	.634	0	%100
45	M75	X	0	0	0	%100
46	M75	Z	1.047	1.047	0	%100
47	M77	X	0	0	0	%100
48	M77	Z	1.099	1.099	0	%100
49	M79	X	0	0	0	%100
50	M79	Z	1.099	1.099	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.134	-.134	0	%100
2	M4	Z	.233	.233	0	%100
3	M14	X	-.134	-.134	0	%100
4	M14	Z	.233	.233	0	%100
5	M27	X	-.538	-.538	0	%100
6	M27	Z	.931	.931	0	%100
7	M40	X	0	0	0	%100
8	M40	Z	0	0	0	%100
9	M41	X	-.417	-.417	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M41	Z	.723	.723	0	%100
11	M42	X	-.417	-.417	0	%100
12	M42	Z	.723	.723	0	%100
13	MP5A	X	-.317	-.317	0	%100
14	MP5A	Z	.549	.549	0	%100
15	OVP	X	-.289	-.289	0	%100
16	OVP	Z	.5	.5	0	%100
17	MP4A	X	-.317	-.317	0	%100
18	MP4A	Z	.549	.549	0	%100
19	MP3A	X	-.317	-.317	0	%100
20	MP3A	Z	.549	.549	0	%100
21	MP2A	X	-.317	-.317	0	%100
22	MP2A	Z	.549	.549	0	%100
23	MP1A	X	-.317	-.317	0	%100
24	MP1A	Z	.549	.549	0	%100
25	MP5C	X	-.317	-.317	0	%100
26	MP5C	Z	.549	.549	0	%100
27	MP4C	X	-.317	-.317	0	%100
28	MP4C	Z	.549	.549	0	%100
29	MP3C	X	-.317	-.317	0	%100
30	MP3C	Z	.549	.549	0	%100
31	MP2C	X	-.317	-.317	0	%100
32	MP2C	Z	.549	.549	0	%100
33	MP1C	X	-.317	-.317	0	%100
34	MP1C	Z	.549	.549	0	%100
35	MP5B	X	-.317	-.317	0	%100
36	MP5B	Z	.549	.549	0	%100
37	MP4B	X	-.317	-.317	0	%100
38	MP4B	Z	.549	.549	0	%100
39	MP3B	X	-.317	-.317	0	%100
40	MP3B	Z	.549	.549	0	%100
41	MP2B	X	-.317	-.317	0	%100
42	MP2B	Z	.549	.549	0	%100
43	MP1B	X	-.317	-.317	0	%100
44	MP1B	Z	.549	.549	0	%100
45	M75	X	-.532	-.532	0	%100
46	M75	Z	.921	.921	0	%100
47	M77	X	-.532	-.532	0	%100
48	M77	Z	.921	.921	0	%100
49	M79	X	-.558	-.558	0	%100
50	M79	Z	.967	.967	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.698	-.698	0	%100
2	M4	Z	.403	.403	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	-.698	-.698	0	%100
6	M27	Z	.403	.403	0	%100
7	M40	X	-.241	-.241	0	%100
8	M40	Z	.139	.139	0	%100
9	M41	X	-.963	-.963	0	%100
10	M41	Z	.556	.556	0	%100
11	M42	X	-.241	-.241	0	%100
12	M42	Z	.139	.139	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	MP5A	X	-.549	-.549	0	%100
14	MP5A	Z	.317	.317	0	%100
15	OVP	X	-.5	-.5	0	%100
16	OVP	Z	.289	.289	0	%100
17	MP4A	X	-.549	-.549	0	%100
18	MP4A	Z	.317	.317	0	%100
19	MP3A	X	-.549	-.549	0	%100
20	MP3A	Z	.317	.317	0	%100
21	MP2A	X	-.549	-.549	0	%100
22	MP2A	Z	.317	.317	0	%100
23	MP1A	X	-.549	-.549	0	%100
24	MP1A	Z	.317	.317	0	%100
25	MP5C	X	-.549	-.549	0	%100
26	MP5C	Z	.317	.317	0	%100
27	MP4C	X	-.549	-.549	0	%100
28	MP4C	Z	.317	.317	0	%100
29	MP3C	X	-.549	-.549	0	%100
30	MP3C	Z	.317	.317	0	%100
31	MP2C	X	-.549	-.549	0	%100
32	MP2C	Z	.317	.317	0	%100
33	MP1C	X	-.549	-.549	0	%100
34	MP1C	Z	.317	.317	0	%100
35	MP5B	X	-.549	-.549	0	%100
36	MP5B	Z	.317	.317	0	%100
37	MP4B	X	-.549	-.549	0	%100
38	MP4B	Z	.317	.317	0	%100
39	MP3B	X	-.549	-.549	0	%100
40	MP3B	Z	.317	.317	0	%100
41	MP2B	X	-.549	-.549	0	%100
42	MP2B	Z	.317	.317	0	%100
43	MP1B	X	-.549	-.549	0	%100
44	MP1B	Z	.317	.317	0	%100
45	M75	X	-.952	-.952	0	%100
46	M75	Z	.549	.549	0	%100
47	M77	X	-.906	-.906	0	%100
48	M77	Z	.523	.523	0	%100
49	M79	X	-.952	-.952	0	%100
50	M79	Z	.549	.549	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-1.075	-1.075	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	-.269	-.269	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	-.269	-.269	0	%100
6	M27	Z	0	0	0	%100
7	M40	X	-.834	-.834	0	%100
8	M40	Z	0	0	0	%100
9	M41	X	-.834	-.834	0	%100
10	M41	Z	0	0	0	%100
11	M42	X	0	0	0	%100
12	M42	Z	0	0	0	%100
13	MP5A	X	-.634	-.634	0	%100
14	MP5A	Z	0	0	0	%100
15	OVP	X	-.578	-.578	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	OVP	Z	0	0	0	%100
17	MP4A	X	-.634	-.634	0	%100
18	MP4A	Z	0	0	0	%100
19	MP3A	X	-.634	-.634	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	-.634	-.634	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	-.634	-.634	0	%100
24	MP1A	Z	0	0	0	%100
25	MP5C	X	-.634	-.634	0	%100
26	MP5C	Z	0	0	0	%100
27	MP4C	X	-.634	-.634	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	-.634	-.634	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	-.634	-.634	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-.634	-.634	0	%100
34	MP1C	Z	0	0	0	%100
35	MP5B	X	-.634	-.634	0	%100
36	MP5B	Z	0	0	0	%100
37	MP4B	X	-.634	-.634	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	-.634	-.634	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	-.634	-.634	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	-.634	-.634	0	%100
44	MP1B	Z	0	0	0	%100
45	M75	X	-1.116	-1.116	0	%100
46	M75	Z	0	0	0	%100
47	M77	X	-1.064	-1.064	0	%100
48	M77	Z	0	0	0	%100
49	M79	X	-1.064	-1.064	0	%100
50	M79	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.698	-.698	0	%100
2	M4	Z	-.403	-.403	0	%100
3	M14	X	-.698	-.698	0	%100
4	M14	Z	-.403	-.403	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	M40	X	-.963	-.963	0	%100
8	M40	Z	-.556	-.556	0	%100
9	M41	X	-.241	-.241	0	%100
10	M41	Z	-.139	-.139	0	%100
11	M42	X	-.241	-.241	0	%100
12	M42	Z	-.139	-.139	0	%100
13	MP5A	X	-.549	-.549	0	%100
14	MP5A	Z	-.317	-.317	0	%100
15	OVP	X	-.5	-.5	0	%100
16	OVP	Z	-.289	-.289	0	%100
17	MP4A	X	-.549	-.549	0	%100
18	MP4A	Z	-.317	-.317	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	MP3A	X	-.549	-.549	0	%100
20	MP3A	Z	-.317	-.317	0	%100
21	MP2A	X	-.549	-.549	0	%100
22	MP2A	Z	-.317	-.317	0	%100
23	MP1A	X	-.549	-.549	0	%100
24	MP1A	Z	-.317	-.317	0	%100
25	MP5C	X	-.549	-.549	0	%100
26	MP5C	Z	-.317	-.317	0	%100
27	MP4C	X	-.549	-.549	0	%100
28	MP4C	Z	-.317	-.317	0	%100
29	MP3C	X	-.549	-.549	0	%100
30	MP3C	Z	-.317	-.317	0	%100
31	MP2C	X	-.549	-.549	0	%100
32	MP2C	Z	-.317	-.317	0	%100
33	MP1C	X	-.549	-.549	0	%100
34	MP1C	Z	-.317	-.317	0	%100
35	MP5B	X	-.549	-.549	0	%100
36	MP5B	Z	-.317	-.317	0	%100
37	MP4B	X	-.549	-.549	0	%100
38	MP4B	Z	-.317	-.317	0	%100
39	MP3B	X	-.549	-.549	0	%100
40	MP3B	Z	-.317	-.317	0	%100
41	MP2B	X	-.549	-.549	0	%100
42	MP2B	Z	-.317	-.317	0	%100
43	MP1B	X	-.549	-.549	0	%100
44	MP1B	Z	-.317	-.317	0	%100
45	M75	X	-.952	-.952	0	%100
46	M75	Z	-.549	-.549	0	%100
47	M77	X	-.952	-.952	0	%100
48	M77	Z	-.549	-.549	0	%100
49	M79	X	-.906	-.906	0	%100
50	M79	Z	-.523	-.523	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.134	-.134	0	%100
2	M4	Z	-.233	-.233	0	%100
3	M14	X	-.538	-.538	0	%100
4	M14	Z	-.931	-.931	0	%100
5	M27	X	-.134	-.134	0	%100
6	M27	Z	-.233	-.233	0	%100
7	M40	X	-.417	-.417	0	%100
8	M40	Z	-.723	-.723	0	%100
9	M41	X	0	0	0	%100
10	M41	Z	0	0	0	%100
11	M42	X	-.417	-.417	0	%100
12	M42	Z	-.723	-.723	0	%100
13	MP5A	X	-.317	-.317	0	%100
14	MP5A	Z	-.549	-.549	0	%100
15	OVP	X	-.289	-.289	0	%100
16	OVP	Z	-.5	-.5	0	%100
17	MP4A	X	-.317	-.317	0	%100
18	MP4A	Z	-.549	-.549	0	%100
19	MP3A	X	-.317	-.317	0	%100
20	MP3A	Z	-.549	-.549	0	%100
21	MP2A	X	-.317	-.317	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	MP2A	Z	-.549	-.549	0	%100
23	MP1A	X	-.317	-.317	0	%100
24	MP1A	Z	-.549	-.549	0	%100
25	MP5C	X	-.317	-.317	0	%100
26	MP5C	Z	-.549	-.549	0	%100
27	MP4C	X	-.317	-.317	0	%100
28	MP4C	Z	-.549	-.549	0	%100
29	MP3C	X	-.317	-.317	0	%100
30	MP3C	Z	-.549	-.549	0	%100
31	MP2C	X	-.317	-.317	0	%100
32	MP2C	Z	-.549	-.549	0	%100
33	MP1C	X	-.317	-.317	0	%100
34	MP1C	Z	-.549	-.549	0	%100
35	MP5B	X	-.317	-.317	0	%100
36	MP5B	Z	-.549	-.549	0	%100
37	MP4B	X	-.317	-.317	0	%100
38	MP4B	Z	-.549	-.549	0	%100
39	MP3B	X	-.317	-.317	0	%100
40	MP3B	Z	-.549	-.549	0	%100
41	MP2B	X	-.317	-.317	0	%100
42	MP2B	Z	-.549	-.549	0	%100
43	MP1B	X	-.317	-.317	0	%100
44	MP1B	Z	-.549	-.549	0	%100
45	M75	X	-.532	-.532	0	%100
46	M75	Z	-.921	-.921	0	%100
47	M77	X	-.558	-.558	0	%100
48	M77	Z	-.967	-.967	0	%100
49	M79	X	-.532	-.532	0	%100
50	M79	Z	-.921	-.921	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M14	Y	-25.867	-25.867	4.615	5.903
2	M27	Y	-11.934	-11.165	3.807	5.33
3	M27	Y	-11.165	-10.396	5.33	6.853
4	M29	Y	-32.628	-32.628	.128	.166
5	M4	Y	-25.866	-25.866	4.615	5.903
6	M14	Y	-11.934	-11.165	3.807	5.33
7	M14	Y	-11.165	-10.397	5.33	6.853
8	M16	Y	-32.655	-32.655	.128	.166
9	M4	Y	-11.934	-11.165	3.807	5.33
10	M4	Y	-11.165	-10.397	5.33	6.853
11	M3	Y	-32.655	-32.655	.128	.166
12	M27	Y	-25.866	-25.866	4.615	5.903

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	Y	-14.586	-13.646	3.807	5.33
2	M4	Y	-13.646	-12.707	5.33	6.853
3	M3	Y	-39.912	-39.912	.128	.166
4	M27	Y	-31.614	-31.614	4.615	5.903
5	M4	Y	-31.615	-31.615	4.615	5.903
6	M14	Y	-14.586	-13.646	3.807	5.33
7	M14	Y	-13.646	-12.707	5.33	6.853
8	M16	Y	-39.879	-39.879	.128	.166
9	M14	Y	-31.615	-31.615	4.615	5.903

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M27	Y	-14.586	-13.646	3.807	5.33
11	M27	Y	-13.646	-12.707	5.33	6.853
12	M29	Y	-39.879	-39.879	.128	.166

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N103	N55	N41	N102	Y	B-C	-.009
2	N101	N79	N95	N102	Y	B-C	-.009
3	N75	N101	N103	N59	Y	B-C	-.009

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N75	N101	N103	N59	Y	B-C	-.011
2	N79	N101	N102	N95	Y	B-C	-.011
3	N41	N102	N103	N55	Y	B-C	-.011

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	1142.878	10	-164.743	7	7414.015	1	-.45	7	2.223	4	.313	4
2		min	-1144.674	4	-1886.669	13	-3719.103	7	-1.505	13	-2.219	10	-.306	10
3	N14	max	5255.345	9	63.824	3	2088.539	2	.58	21	1.646	1	1.005	21
4		min	-3464.549	3	-1514.451	21	-3126.039	8	-.009	3	-1.646	7	-.015	3
5	N26	max	3196	11	180.01	11	2030.942	11	.527	17	1.497	8	.105	11
6		min	-4893.762	5	-1387.566	17	-3016.747	5	-.061	11	-1.507	2	-.914	17
7	N106	max	30.001	10	5183.479	13	-984.576	7	0	51	0	4	0	10
8		min	-29.988	4	1019.687	7	-4885.593	13	0	1	0	10	0	4
9	N109	max	-194.734	3	3874.816	21	1820.826	21	0	7	0	1	0	1
10		min	-3153.54	21	220.533	3	112.399	3	0	1	0	7	0	7
11	N112	max	3038.805	17	3735.563	17	1754.849	17	0	8	0	8	0	8
12		min	158.842	11	176.904	11	91.616	11	0	2	0	2	0	2
13	Totals:	max	6999.146	10	7606.171	19	7438.244	1						
14		min	-6999.146	4	3463.882	1	-7438.243	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M4	HSS4X4X4	.316	2.618	13	.078	2.618	y	13	109457....	139518	16.181	16.181	2....	H1-1b
2	M14	HSS4X4X4	.238	2.618	22	.058	2.618	y	21	109457....	139518	16.181	16.181	2....	H1-1b
3	M27	HSS4X4X4	.247	5.552	2	.058	2.618	y	17	109457....	139518	16.181	16.181	2....	H1-1b
4	M40	HSS4X4X3	.308	13.239	2	.192	13.239	z	12	52759.6...	106812	12.662	12.662	2....	H1-1b
5	M41	HSS4X4X3	.358	0	9	.209	0	z	3	52759.6...	106812	12.662	12.662	2....	H1-1b
6	M42	HSS4X4X3	.281	0	9	.195	13.239	z	7	52759.6...	106812	12.662	12.662	1....	H1-1b
7	MP5A	PIPE_2.0	.518	4.427	8	.158	4.427		6	13511.2...	32130	1.872	1.872	1....	H1-1b
8	OVP	PIPE_2.0	.197	3.333	8	.088	3.333		8	26521.4...	32130	1.872	1.872	1....	H1-1b
9	MP4A	PIPE_2.0	.245	4.427	8	.041	2.479		8	13511.2...	32130	1.872	1.872	1....	H1-1b
10	MP3A	PIPE_2.0	.508	4.083	6	.284	4.083		11	17855.0...	32130	1.872	1.872	2....	H3-6
11	MP2A	PIPE_2.0	.127	3.984	2	.031	3.984		1	13511.2...	32130	1.872	1.872	1....	H1-1b
12	MP1A	PIPE_2.0	.585	4.427	6	.284	4.427		5	13511.2...	32130	1.872	1.872	1....	H3-6
13	MP5C	PIPE_2.0	.589	4.427	1	.287	4.427		12	13511.2...	32130	1.872	1.872	1....	H3-6
14	MP4C	PIPE_2.0	.150	4.427	3	.030	4.427		2	13511.2...	32130	1.872	1.872	1....	H1-1b
15	MP3C	PIPE_2.0	.663	4.083	3	.177	4.083		5	17855.0...	32130	1.872	1.872	2....	H1-1b
16	MP2C	PIPE_2.0	.208	3.896	8	.045	3.896		4	13511.2...	32130	1.872	1.872	2....	H1-1b
17	MP1C	PIPE_2.0	.589	4.427	5	.287	4.427		12	13511.2...	32130	1.872	1.872	1....	H3-6

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
18	MP5B	PIPE_2.0	.748	4.427	1	.184	4.427		11	13511.2...	32130	1.872	1.872	1....	H1-1b
19	MP4B	PIPE_2.0	.243	4.427	7	.041	2.479		1	13511.2...	32130	1.872	1.872	2....	H1-1b
20	MP3B	PIPE_2.0	.511	4.083	10	.286	4.083		9	17855.0...	32130	1.872	1.872	2....	H3-6
21	MP2B	PIPE_2.0	.127	3.984	7	.031	3.984		2	13511.2...	32130	1.872	1.872	1....	H1-1b
22	MP1B	PIPE_2.0	.589	4.427	10	.287	4.427		9	13511.2...	32130	1.872	1.872	1....	H3-6
23	M75	LL3x3x3x3	.148	3.795	13	.004	3.795	z	4	48017.9...	70632	5.543	3.751	1	H1-1b*
24	M77	LL3x3x3x3	.111	3.795	21	.003	0	z	1	48017.9...	70632	5.543	3.751	1	H1-1b*
25	M79	LL3x3x3x3	.107	3.795	17	.003	0	z	2	48017.9...	70632	5.543	3.751	1	H1-1b*

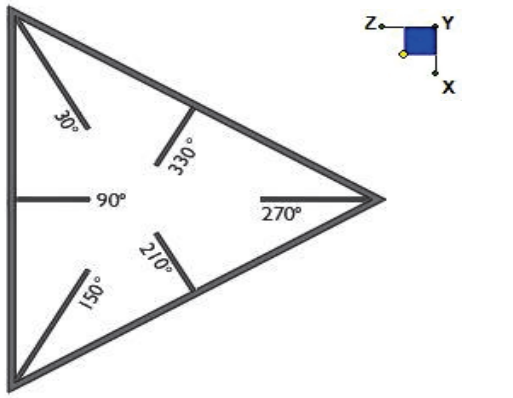
Client:	Verizon Wireless	Date:	8/19/2021
Site Name:	MIDDLEFIELD CT		
Project No.	21777435A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

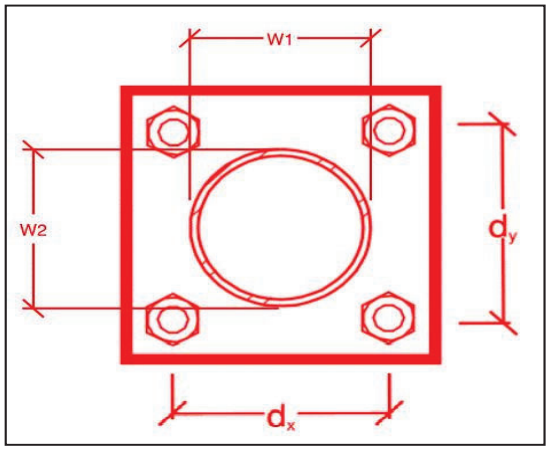
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N14	30
N3	270
N26	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)*:	4
d_y (in) *(Delta Y of typ. bolt config. sketch)*:	8
Bolt Type:	A307
Bolt Diameter (in):	0.75
Required Tensile Strength (kips):	15.3
Required Shear Strength (kips):	3.3
Tensile Strength / bolt (kips):	14.4
Shear Strength / bolt (kips):	8.6
Tensile Capacity Overall:	**26.6%***
Shear Capacity Overall:	**9.6%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	6
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.5
Weld Size (1/16 in):	6
Phi*Rn (kip/in):	8.35
Required Weld Strength (kip/in):	1.44
Plate Bending Capacity:	**75.9%**
Weld Capacity:	**17.2%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)*:	9.2
$Phi*Mn_{xx}$ *(kip-in)*:	12.2
Mu_{yy} *(kip-in)*:	0.0
$Phi*Mn_{yy}$ *(kip-in)*:	20.3

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 shall install safety climb wire rope guide (Part #: Site Pro 1 - 120-203/317 or EOR approved equal) in locations where the wire rope is rubbing against mount to tower attachments. Contractor shall provide photos of safety climb wire rope guide installation.

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: 469410-VZW - MIDDLEFIELD CT

Sector: **A**

Structure Type: Self Support

Mount Elev: 149.00

10096635

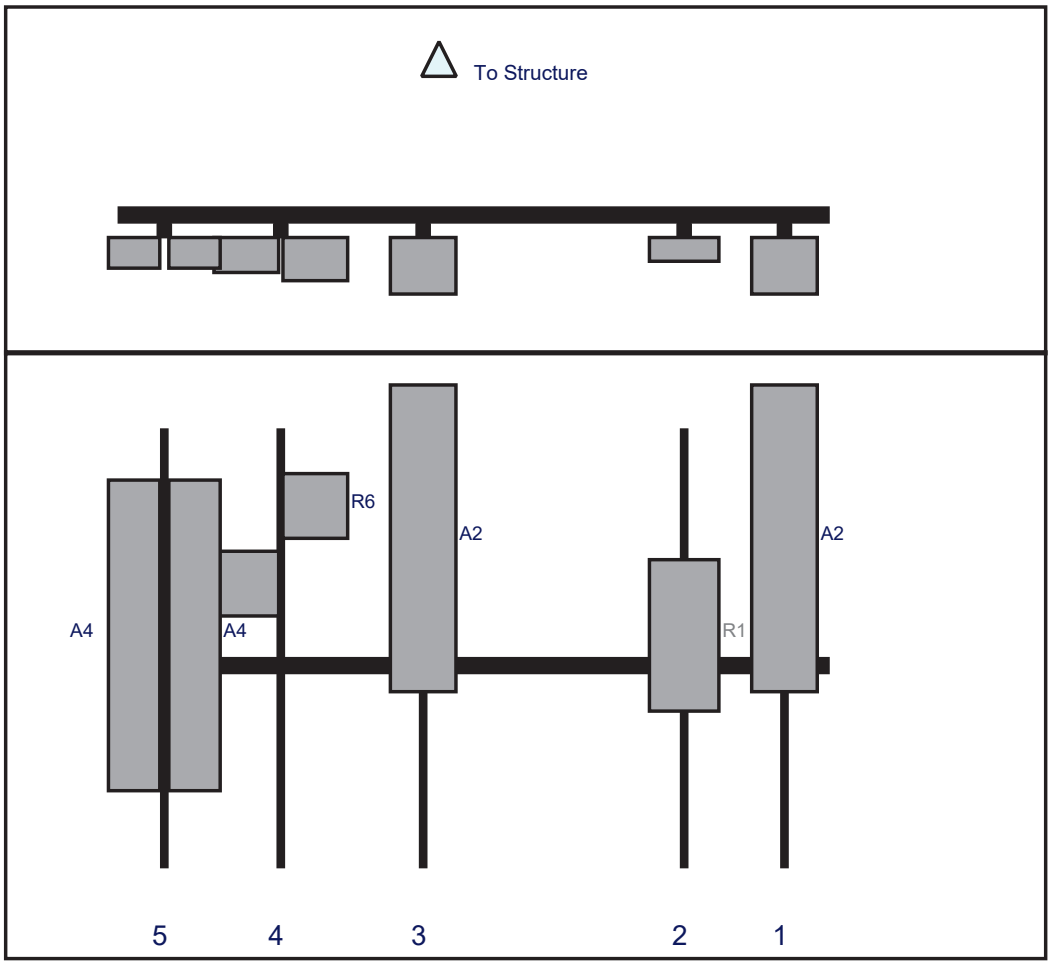
8/23/2021

Page: 1

MASER CONSULTING — CONNECTICUT —

Plan View

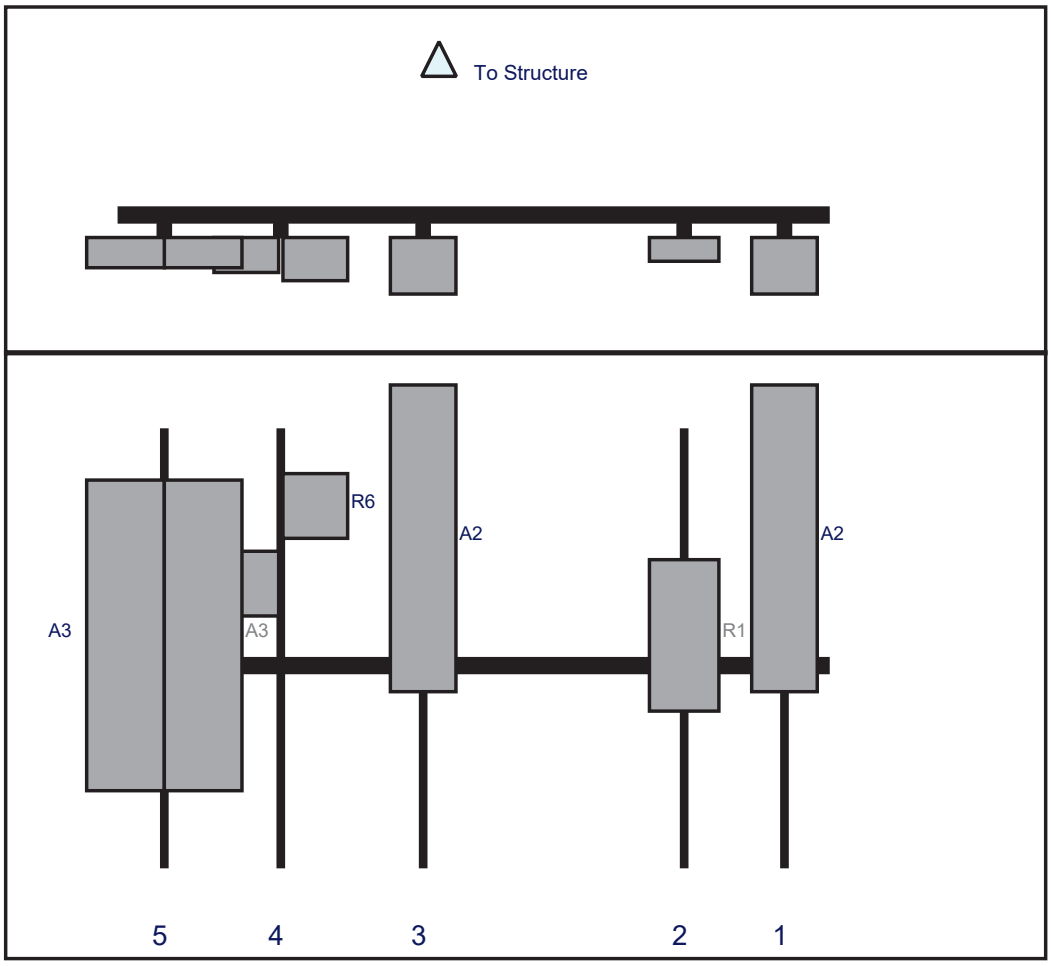
Front View
Looking at Structure



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
A2	LPA-80063-6CF-EDIN-2	71.1	15.2	154.586	1	a	Front	25.5	0	Retained	03/26/2021
R1	MT6407-77A	35.1	16.1	131.336	2	a	Front	48	0	Added	
A2	LPA-80063-6CF-EDIN-2	71.1	15.2	70.8361	3	a	Front	25.5	0	Retained	03/26/2021
R6	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	37.8361	4	a	Front	18	8	Retained	03/26/2021
R7	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	37.8361	4	a	Front	36	-8	Retained	03/26/2021
A4	NHH-65B-R2B	72	11.9	10.8361	5	a	Front	48	-7	Retained	03/26/2021
A4	NHH-65B-R2B	72	11.9	10.8361	5	b	Front	48	7	Retained	03/26/2021

Plan View

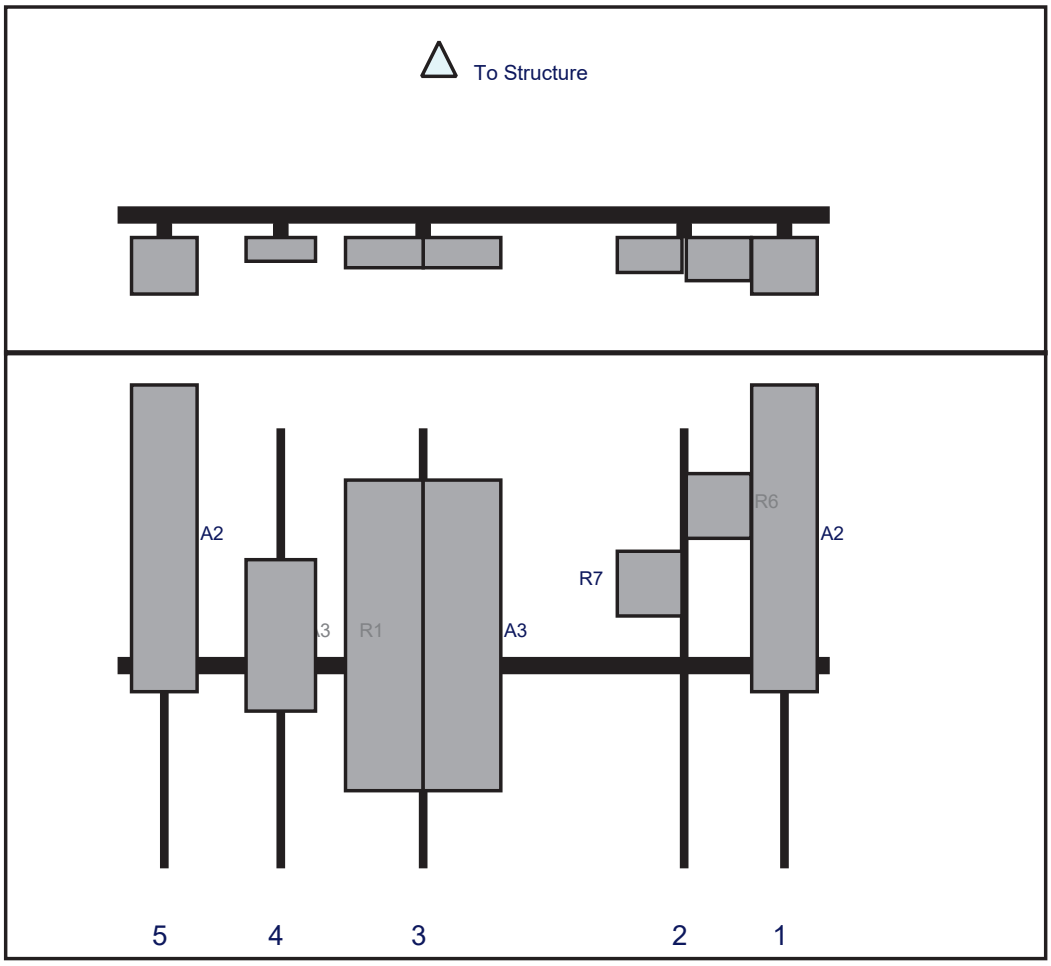
Front View
Looking at Structure



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
A2	LPA-80063-6CF-EDIN-2	71.1	15.2	154.586	1	a	Front	25.5	0	Retained	03/26/2021
R1	MT6407-77A	35.1	16.1	131.336	2	a	Front	48	0	Added	
A2	LPA-80063-6CF-EDIN-2	71.1	15.2	70.8361	3	a	Front	25.5	0	Retained	03/26/2021
R6	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	37.8361	4	a	Front	18	8	Retained	03/26/2021
R7	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	37.8361	4	a	Front	36	-8	Retained	03/26/2021
A3	NHH-45B-R2B	72	18	10.8361	5	a	Front	48	-9	Retained	03/26/2021
A3	NHH-45B-R2B	72	18	10.8361	5	b	Front	48	9	Retained	03/26/2021

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
A2	LPA-80063-6CF-EDIN-2	71.1	15.2	154.586	1	a	Front	25.5	0	Retained	03/26/2021
R6	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	131.336	2	b	Front	18	8	Retained	03/26/2021
R7	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	131.336	2	a	Front	36	-8	Retained	03/26/2021
A3	NHH-45B-R2B	72	18	70.8361	3	a	Front	48	-9	Retained	03/26/2021
A3	NHH-45B-R2B	72	18	70.8361	3	b	Front	48	9	Retained	03/26/2021
R1	MT6407-77A	35.1	16.1	37.8361	4	a	Front	48	0	Added	
A2	LPA-80063-6CF-EDIN-2	71.1	15.2	10.8361	5	a	Front	25.5	0	Retained	03/26/2021

Maser Consulting Connecticut

Subject	*TIA-222 H Usage*	
Site Information	*Site ID:*	*469410-VZW / MIDDLEFIELD CT*
	Site Name:	*MIDDLEFIELD CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*484 Meriden Road* *Middlefield, Connecticut 06455* *Middlesex County*
	Latitude:	*41.535514°*
	Longitude:	*-72.732094°*
Structure Information	*Tower Type:*	*151-Ft Self Support*
	Mount Type:	*13.76-Ft Platform*

To Whom It May Concern,

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

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

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

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

Sincerely,

Derek Hartzell, PE
Technical Specialist

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

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)
VZW 700	751	4	1119	4478	150	0.0072
VZW CDMA	878.49	2	499	998	153	0.0015
VZW Cellular	874	4	897	3590	150	0.0057
VZW PCS	1975	4	2259	9038	150	0.0144
VZW AWS	2120	4	2535	10141	150	0.0162
VZW CBAND	3730.08	4	6531	26125	150	0.0418

Total Percentage of Maximum Permissible Exposure

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

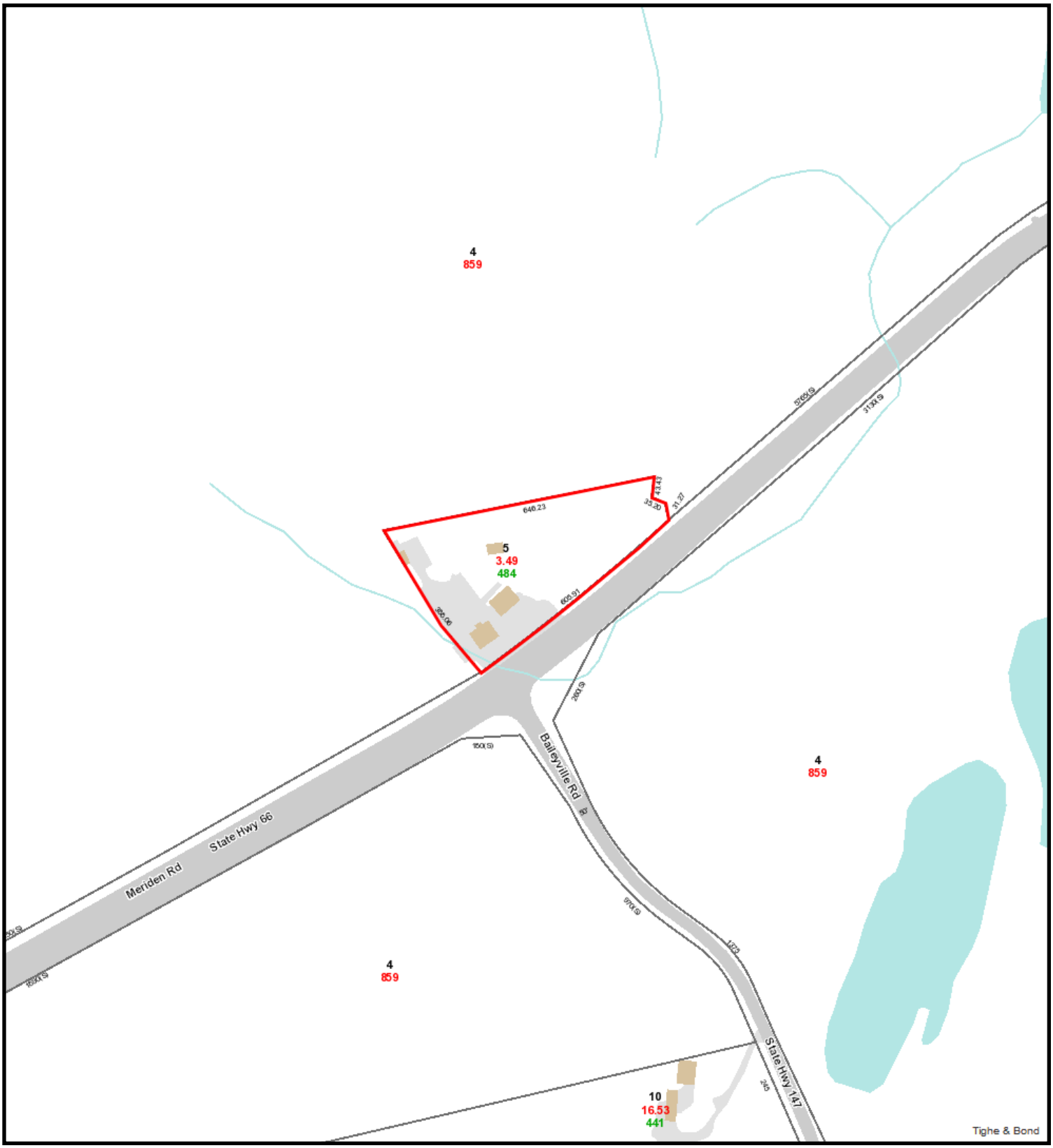
MHz = Megahertz
mW/cm^2 = milliwatts per square centimeter
ERP = Effective Radiated Power

Absolute worst case maximum values used.

Maximum Permissible Exposure*	Fraction of MPE
(mW/cm^2)	(%)
0.5007	1.43%
0.5857	0.26%
0.5827	0.98%
1.0000	1.44%
1.0000	1.62%
1.0000	4.18%
	9.92%

IEEE C95.1-1992

l's November 10, 2015 Memorandum for Exempt Modification filings



10/19/2021 11:36:26 AM

Scale: 1"=333'

Scale is approximate

The information depicted on this map is for planning purposes only. It is not adequate for legal boundary definition, regulatory interpretation, or parcel-level analyses.

484 MERIDEN RD & RT 66

Location 484 MERIDEN RD & RT 66

Mblu 4/ / 5/ /

Acct# 00146700

Owner LAND MANAGMENT INC

Assessment $382,900

PID 1566

Building Count 3

Current Value

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2016	$146,300	$236,600	$382,900

Owner of Record

Owner LAND MANAGMENT INC
Co-Owner
Address 482 RT 66 & MERIDEN RD
MIDDLEFIELD, CT 06455

Sale Price $0
Certificate
Book & Page 0066/0682
Sale Date 09/30/1988
Instrument UNKQ

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
LAND MANAGMENT INC	$0		0066/0682	UNKQ	09/30/1988

Building Information

Building 1 : Section 1

Year Built: 1958
Living Area: 1,878
Replacement Cost: $146,898
Building Percent Good: 45
Replacement Cost
Less Depreciation: $66,100

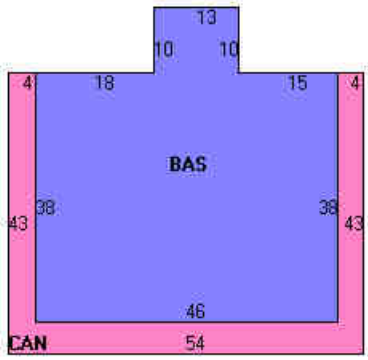
Building Attributes	
Field	**Description**
STYLE	Restaurant

MODEL	Comm/Ind
Grade	Average
Stories:	1
Occupancy	1.00
Exterior Wall 1	Single Siding
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	Rolled Compos
Interior Wall 1	Plywood Panel
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	Terrazzo Monol
Heating Fuel	Gas/Oil
Heating Type	Forced Air-Duc
AC Type	Heat Pump
Struct Class	
Bldg Use	REST/CLUBS
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3260
Heat/AC	HEAT/AC PKGS
Frame Type	WOOD FRAME
Baths/Plumbing	AVERAGE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	9.00
% Comn Wall	

Building Photo

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

Building Layout



(http://images.vgsi.com/photos/MiddlefieldCTPhotos//Sketches/1566_1566

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	1,878	1,878
CAN	Canopy	574	0
		2,452	1,878

Building 2 : Section 1

Year Built: 1969
Living Area: 2,400
Replacement Cost: $196,112
Building Percent Good: 50
Replacement Cost Less Depreciation: $98,100

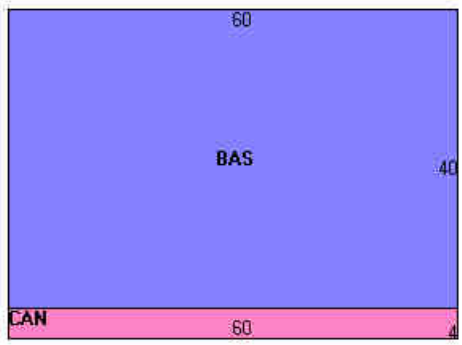
Building Attributes : Bldg 2 of 3	
Field	**Description**
STYLE	Store
MODEL	Ind/Comm
Grade	Average

Stories:	1
Occupancy	2.00
Exterior Wall 1	Concr/Cinder
Exterior Wall 2	Brick
Roof Structure	Flat
Roof Cover	Rolled Compos
Interior Wall 1	Drywall
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	Carpet
Heating Fuel	Gas/Oil
Heating Type	Forced Air-Duc
AC Type	Central
Struct Class	
Bldg Use	STORE/SHOP
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3220
Heat/AC	NONE
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	SUS-CEIL & WL
Rooms/Prtns	AVERAGE
Wall Height	9.00
% Comn Wall	

Building Photo

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

Building Layout



(http://images.vgsi.com/photos/MiddlefieldCTPhotos//Sketches/1566_2204

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	2,400	2,400
CAN	Canopy	240	0
		2,640	2,400

Building 3 : Section 1

Year Built: 1953
Living Area: 984
Replacement Cost: $118,028
Building Percent Good: 23
Replacement Cost Less Depreciation: $27,100

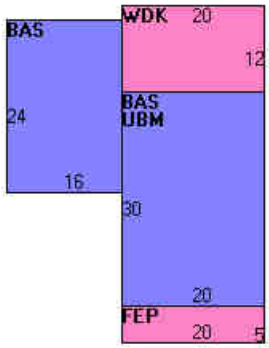
Building Attributes : Bldg 3 of 3	
Field	Description
Style	Ranch
Model	Residential
Grade:	Below Average

Stories:	1 Story
Occupancy	1
Exterior Wall 1	Aluminum Sidng
Exterior Wall 2	Pre-Fab Wood
Roof Structure:	Gable
Roof Cover	Asphalt Shingl
Interior Wall 1	Drywall
Interior Wall 2	
Interior Flr 1	Linoleum
Interior Flr 2	Carpet
Heat Fuel	Electric
Heat Type:	Electr Basebrd
AC Type:	None
Total Bedrooms:	2 Bedrooms
Total Bthrms:	1
Total Half Baths:	0
Total Xtra Fixtrs:	
Total Rooms:	5 Rooms
Bath Style:	Average
Kitchen Style:	Average
Num Kitchens	01
Whirlpool	
Num Park	
Fireplaces	
Interior	

Building Photo

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

Building Layout



(http://images.vgsi.com/photos/MiddlefieldCTPhotos//Sketches/1566_2205

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	984	984
FEP	Porch, Enclosed	100	0
UBM	Basement, Unfinished	600	0
WDK	Deck, Wood	240	0
		1,924	984

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

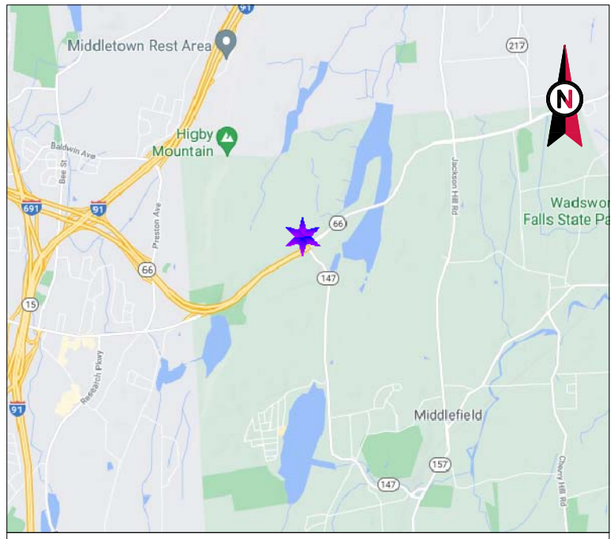
Land Use

Land Line Valuation

Use Code	3260	**Size (Acres)**	3.49
Description	REST/CLUBS	**Frontage**	605
Zone	PC	**Depth**	
Neighborhood	A	**Assessed Value**	$236,600
Alt Land Appr	No		
Category			

Outbuildings

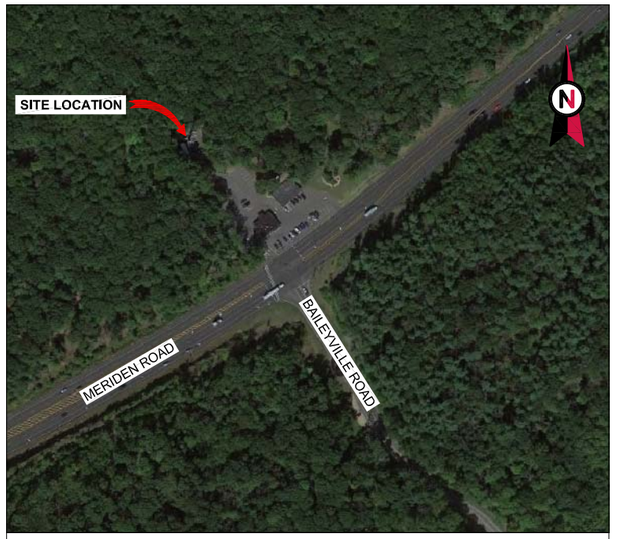
Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
PAV1	PAVING-ASPHALT			20000.00 S.F.	$17,500	1



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: MIDDLEFIELD CT
ATC SITE NUMBER: 411260
VERIZON SITE NAME: MIDDLEFIELD CT
VERIZON SITE NUMBER: 469410
SITE ADDRESS: 484 MERIDEN ROAD
MIDDLEFIELD, CT 06455-1013



LOCATION MAP

VERIZON
ANTENNA AMENDMENT DRAWINGS

COMPLIANCE CODE

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

1. INTERNATIONAL BUILDING CODE (IBC)
2. NATIONAL ELECTRIC CODE (NEC)
3. LOCAL BUILDING CODE
4. CITY/COUNTY ORDINANCES

UTILITY COMPANIES

POWER COMPANY: NORTHEAST UTLITIES
PHONE: (800) 286-2000

TELEPHONE COMPANY: AT&T
PHONE: (000) 000-0000

811 Know what's below. Call before you dig.

PROJECT SUMMARY

SITE ADDRESS:

484 MERIDEN RD.

MIDDLEFIELD, CT 06455-1013

COUNTY: MIDDLESEX

GEOGRAPHIC COORDINATES:

LATITUDE: 41.535514

LONGITUDE: -72.732094

GROUND ELEVATION: 427' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

VERIZON WIRELESS
180 WASHINGTON VALLEY RD
BEDMINSTER, NJ 07921

ENGINEER:

NB+C ENGINEERING SERVICES, LLC
8601 SIX FORKS ROAD, SUITE 540
RALEIGH, NC 27615

PROPERTY OWNER:

LAND MANAGEMENT INC
484 MERIDEN RD.
MIDDLEFIELD, CT 06455-1013

PROJECT DESCRIPTION

THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW:

INSTALL MOUNT MODIFICATIONS AND (3) ANTENNA(s)

EXISTING (12) ANTENNA(s), (6) RRH(s), (1) OVP(s), (7) 1-5/8" COAX CABLE(s), AND (1) 2.02" (51.2MM) HYBRID CABLE(s) TO REMAIN

PROJECT NOTES

1. THE FACILITY IS UNMANNED.
2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.
3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.
4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.
5. HANDICAP ACCESS IS NOT REQUIRED.
6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION REMOVAL AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR 1.61000 (B)(7).

PROJECT LOCATION DIRECTIONS

FROM WALLINGFORD TAKE RT 91 NORTH TO EXIT 16 (E. MAIN ST) TAKE A RIGHT ONTO EAST MAIN STREET FOLLOW TO RT. 66 AT 1ST TRAFFIC LIGHT ON 66 TAKE A LEFT INTO GUIDA'S DAIRY BAR SITE IS IN LEFT CORNER OF REAR PARKING LOT. GATE COMBO IS 2370

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	10/11/21	AMT
G-002	GENERAL NOTES	0	10/11/21	AMT
C-101	DETAILED SITE PLAN	0	10/11/21	AMT
C-201	TOWER ELEVATION	0	10/11/21	AMT
C-401	ANTENNA INFORMATION & SCHEDULE	0	10/11/21	AMT
C-501	CONSTRUCTION DETAILS	0	10/11/21	AMT
E-501	GROUNDING DETAILS	0	10/11/21	AMT
R-601	SUPPLEMENTAL			
R-602	SUPPLEMENTAL			
R-603	SUPPLEMENTAL			
R-604	SUPPLEMENTAL			
	MOUNT MODIFICATION DRAWINGS			

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
COA: P-1177

NB+C TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
8601 SIX FORKS ROAD, SUITE 540
RALEIGH, NC 27615
(919) 657-9131

REV.	DESCRIPTION	BY	DATE
A	PRELIM	TH	07/22/21
B	PRELIM	BIW	08/18/21
C	PRELIM	BIW	09/13/21
0	FOR CONSTRUCTION	AMT	10/11/21

ATC SITE NUMBER:
411260

ATC SITE NAME:
MIDDLEFIELD CT

VERIZON SITE NAME:
MIDDLEFIELD CT

SITE ADDRESS:
484 MERIDEN ROAD
MIDDLEFIELD, CT 06455-1013

SEAL:

10/11/2021

verizon

DATE DRAWN:	10/11/21
ATC JOB NO:	13701308
CUSTOMER ID:	MIDDLEFIELD CT
CUSTOMER #:	469410

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	0

GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, VERIZON "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL
   - A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
   - B. AC/TELCO INTERFACE BOX (PPC)
   - C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
   - D. TOWERS, MONOPOLES
   - E. TOWER LIGHTING
   - F. GENERATORS & LIQUID PROPANE TANK
   - G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
   - H. ANTENNAS (INSTALLED BY OTHERS)
   - I. TRANSMISSION LINE
   - J. TRANSMISSION LINE JUMPERS
   - K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
   - L. TRANSMISSION LINE GROUND KITS
   - M. HANGERS
   - N. HOISTING GRIPS
   - O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF VERIZON TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE VERIZON REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE VERIZON REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH VERIZON AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.
22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY VERIZON REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
29. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
30. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE VERIZON REP. ANY WORK FOUND BY THE VERIZON REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
31. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
32. VERIZON FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE VERIZON WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
33. VERIZON OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO VERIZON OR THEIR ARCHITECT/ENGINEER.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS."
2. STRUCTURAL STEEL ROLLED SHAPES, PLATES AND BARS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS:
   - A. ASTM A-572, GRADE 50 - ALL W SHAPES, UNLESS NOTED OR A992 OTHERWISE
   - B. ASTM A-36 - ALL OTHER ROLLED SHAPES, PLATES AND BARS UNLESS NOTED OTHERWISE.
   - C. ASTM A-500, GRADE B - HSS SECTION (SQUARE, RECTANGULAR, AND ROUND)
   - D. ASTM A-325, TYPE SC OR N - ALL BOLTS FOR CONNECTING STRUCTURAL MEMBERS
   - E. ASTM F-1554 07 - ALL ANCHOR BOLTS, UNLESS NOTED OTHERWISE
3. ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123, EXPOSED STEEL HARDWARE AND ANCHOR BOLTS SHALL BE GALVANIZED PER ASTM A153 OR B695.
4. ALL FIELD CUT SURFACES, FIELD DRILLED HOLES AND GROUND SURFACES WHERE EXISTING PAINT OR GALVANIZATION REMOVAL WAS REQUIRED SHALL BE REPAIRED WITH (2) BRUSHED COATS OF ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.
5. DO NOT DRILL HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
6. CONNECTIONS:
   - A. ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1.
   - B. ALL WELDS SHALL BE INSPECTED VISUALLY. 25% OF WELDS SHALL BE INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1. REPAIR ALL WELDS AS NECESSARY.
   - C. INSPECTION SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
   - D. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE BURNING/WELDING PERMITS AS REQUIRED BY LOCAL GOVERNING AUTHORITY AND IF REQUIRED SHALL HAVE FIRE DEPARTMENT DETAIL FOR ANY WELDING ACTIVITY.
   - E. ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNLESS NOTED OTHERWISE.
   - F. MINIMUM WELD SIZE TO BE 0.1875 INCH FILLET WELDS, UNLESS NOTED OTHERWISE.
   - G. PRIOR TO FIELD WELDING GALVANIZING MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING ½" BEYOND ALL FIELD WELD SURFACES, AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL GROUND AND WELDED SURFACES WITH ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.
   - H. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE REQUIRED DURING CONSTRUCTION UNTIL ALL CONNECTIONS ARE COMPLETE.
   - I. ANY FIELD CHANGES OR SUBSTITUTIONS SHALL HAVE PRIOR APPROVAL FROM THE ENGINEER, AND T- MOBILE PROJECT MANAGER IN WRITING

SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:
   - A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY VERIZON UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OD COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL AND
   - B. INSTALL ANTENNA AS INDICATE ON DRAWINGS AND VERIZON SPECIFICATIONS.
   - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS
   - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE AND PROVIDE PRINTOUT OF THAT TEST.
   - E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZU-PACKARD 8713B RF SCALAR NETWORK ANALYZER. SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RFS "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATED 10/5/93. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.
   - F. INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
   - G. ANTENNA AND COAXIAL CABLE GROUNDING:
2. ALL EXTERIOR #6 GREED GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.
3. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS)

ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
COA: P-1177

NB+C™
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
8601 SIX FORKS ROAD, SUITE 540
RALEIGH, NC 27615
(919) 657-9131

REV.	DESCRIPTION	BY	DATE
A	PRELIM	TH	07/22/21
B	PRELIM	BIW	08/18/21
C	PRELIM	BIW	09/13/21
0	FOR CONSTRUCTION	AMT	10/11/21

ATC SITE NUMBER:
411260

ATC SITE NAME:
MIDDLEFIELD CT

VERIZON SITE NAME:
MIDDLEFIELD CT

SITE ADDRESS:
484 MERIDEN ROAD
MIDDLEFIELD, CT 06455-1013

SEAL:

10/11/2021

verizon

DATE DRAWN:	10/11/21
ATC JOB NO:	13701308
CUSTOMER ID:	MIDDLEFIELD CT
CUSTOMER #:	469410

GENERAL NOTES

SHEET NUMBER:	REVISION:
G-002	0

SITE PLAN NOTES:

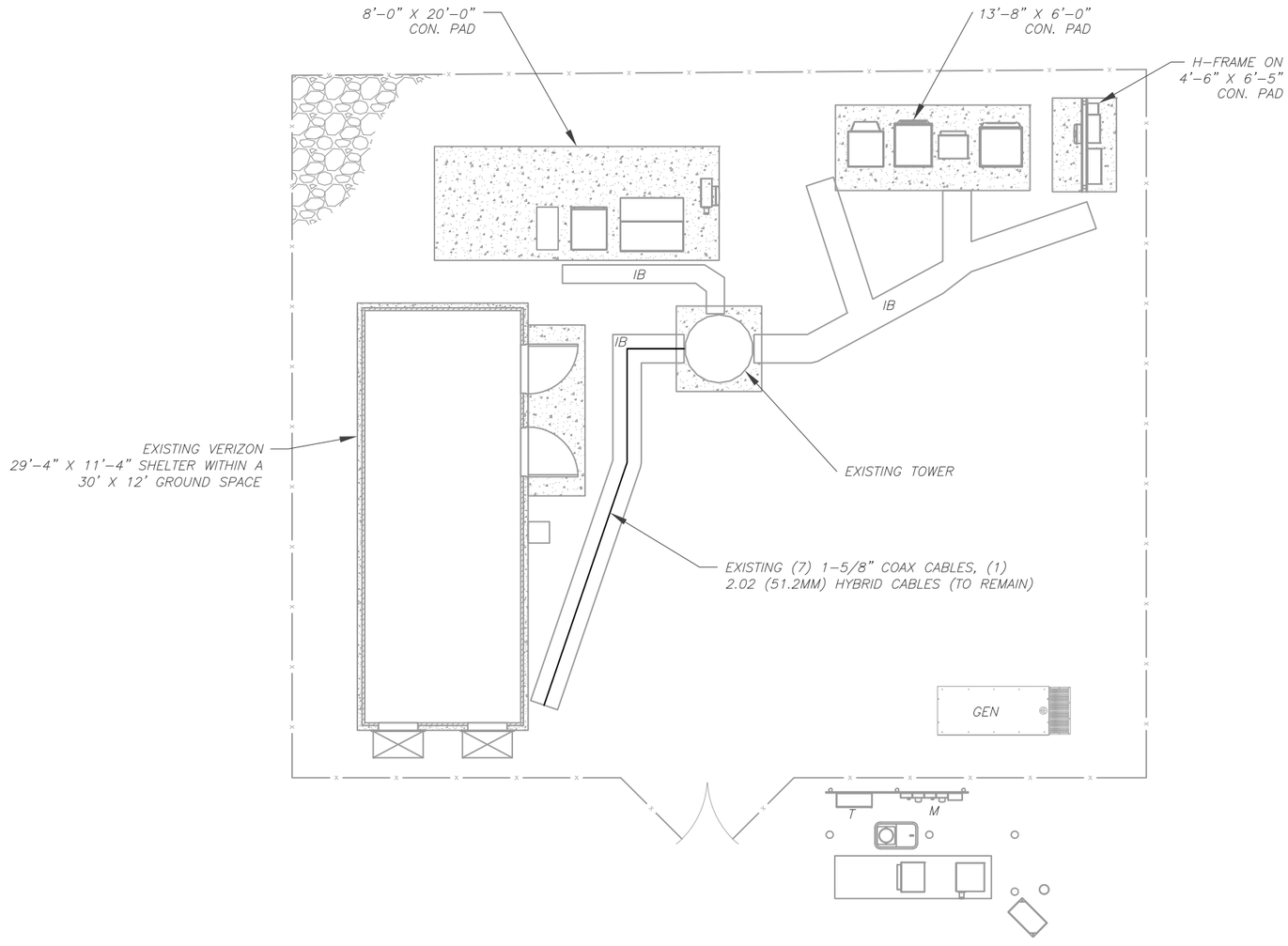
1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.

2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.

3. THIS PROJECT INCLUDES NO INSTALL OR MODIFICATION AT GRADE.

LEGEND

⊗	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACAL
HH, V	HAND HOLE, VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
M	METER
PB	PULL BOX
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
——x——	CHAINLINK FENCE



1 DETAILED SITE PLAN

GRAPHIC SCALE

10 0 5 10

(IN FEET)
1 UNIT = 10 FEET

N

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
COA: P-1177

NB+C™ TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
8601 SIX FORKS ROAD, SUITE 540
RALEIGH, NC 27615
(919) 657-9131

REV.	DESCRIPTION	BY	DATE
A	PRELIM	TH	07/22/21
B	PRELIM	BIW	08/18/21
C	PRELIM	BIW	09/13/21
0	FOR CONSTRUCTION	AMT	10/11/21

ATC SITE NUMBER:
411260

ATC SITE NAME:
MIDDLEFIELD CT

VERIZON SITE NAME:
MIDDLEFIELD CT

SITE ADDRESS:
484 MERIDEN ROAD
MIDDLEFIELD, CT 06455-1013

SEAL:

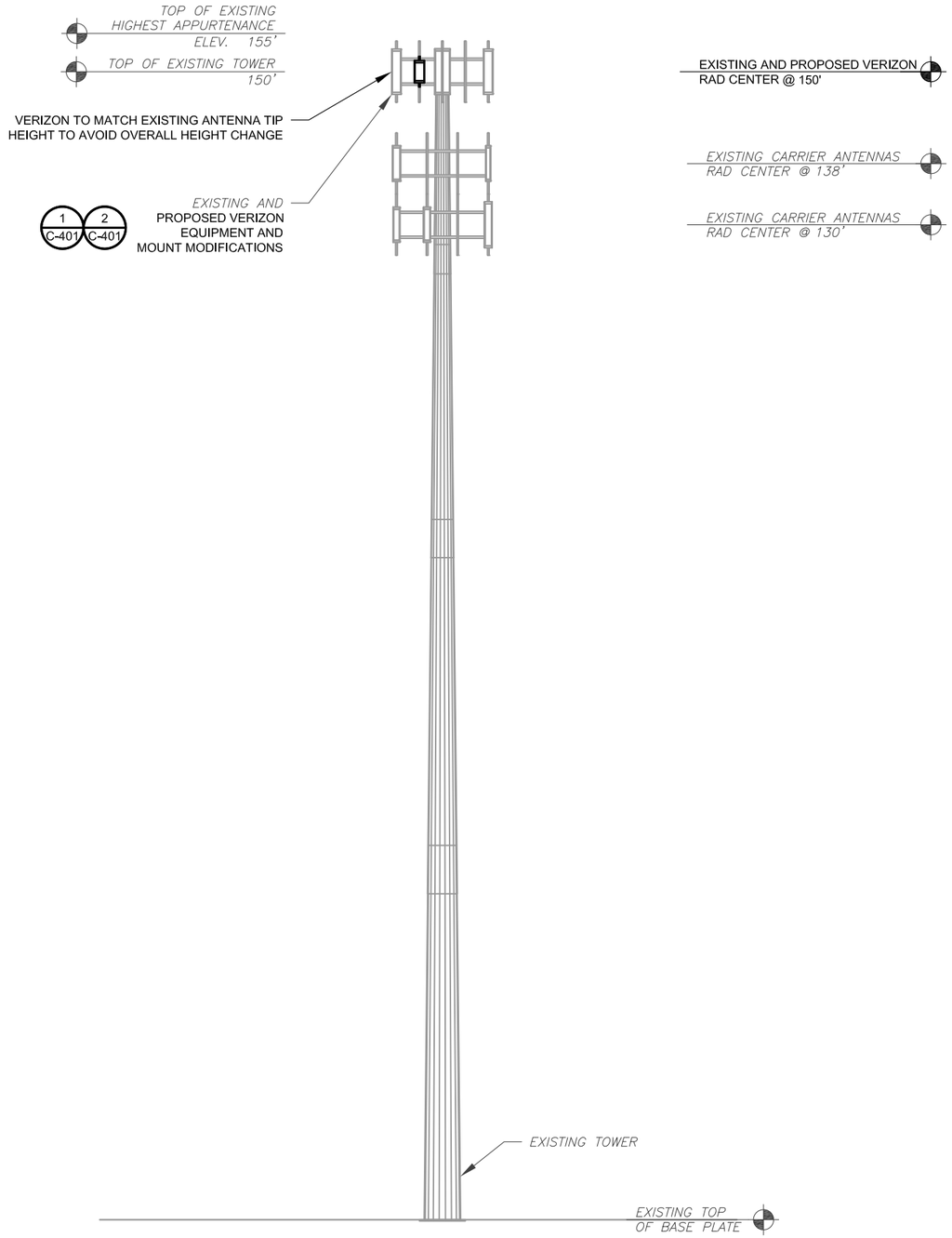
10/11/2021

verizon

DATE DRAWN:	10/11/21
ATC JOB NO:	13701308
CUSTOMER ID:	MIDDLEFIELD CT
CUSTOMER #:	469410

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0



1 TOWER ELEVATION
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY GPD ENGINEERING, DATED 07/14/2021, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.

TOWER NOTE:
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
2. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
3. TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
COA: P-1177

NB+C TOTALLY COMMITTED.™
NB+C ENGINEERING SERVICES, LLC.
8601 SIX FORKS ROAD, SUITE 540
RALEIGH, NC 27615
(919) 657-9131

REV.	DESCRIPTION	BY	DATE
A	PRELIM	TH	07/22/21
B	PRELIM	BIW	08/18/21
C	PRELIM	BIW	09/13/21
0	FOR CONSTRUCTION	AMT	10/11/21

ATC SITE NUMBER:
411260

ATC SITE NAME:
MIDDLEFIELD CT

VERIZON SITE NAME:
MIDDLEFIELD CT

SITE ADDRESS:
484 MERIDEN ROAD
MIDDLEFIELD, CT 06455-1013

SEAL:

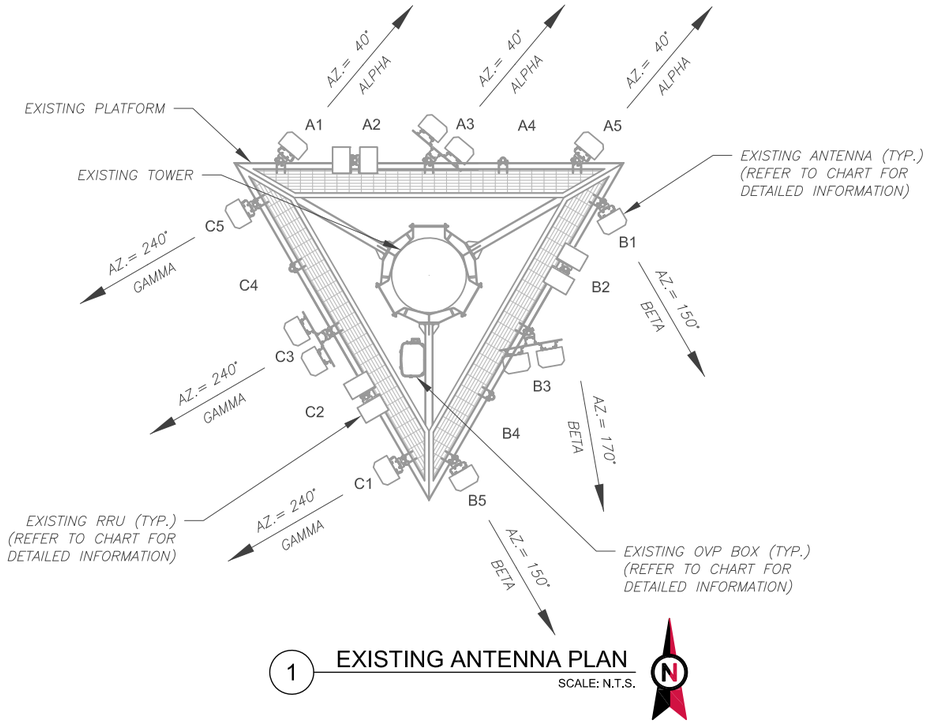
10/11/2021

verizon

DATE DRAWN:	10/11/21
ATC JOB NO:	13701308
CUSTOMER ID:	MIDDLEFIELD CT
CUSTOMER #:	469410

TOWER ELEVATION

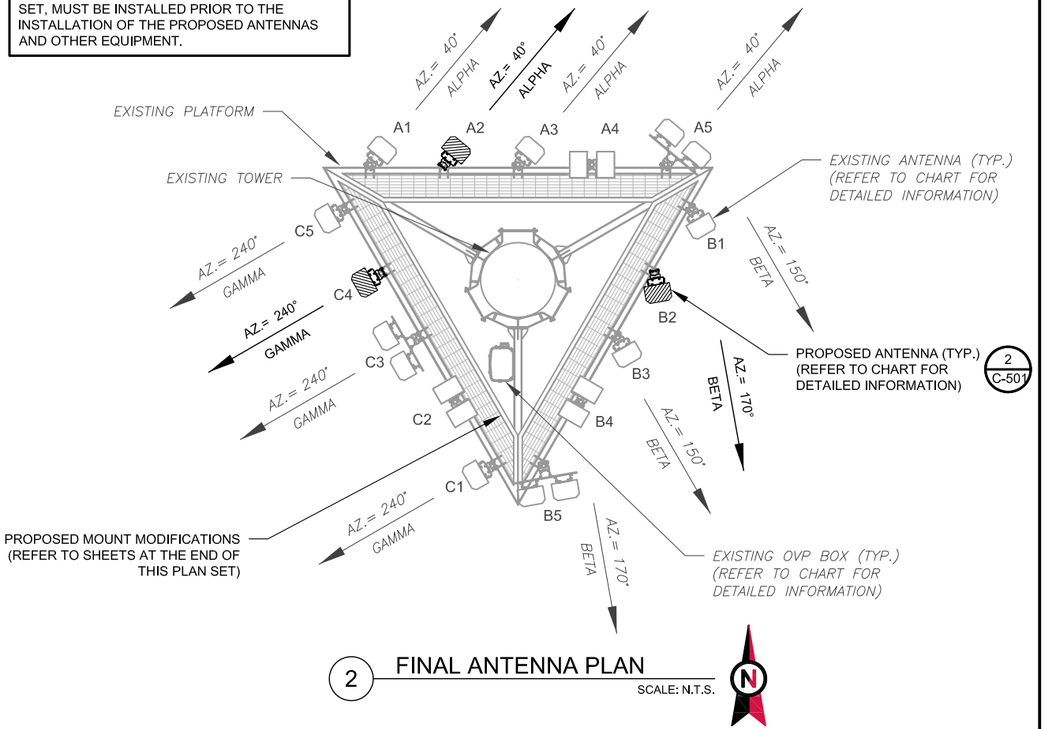
SHEET NUMBER:	REVISION:
C-201	0



1 EXISTING ANTENNA PLAN

SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY GPD ENGINEERING, DATED 07/14/2021, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



2 FINAL ANTENNA PLAN

SCALE: N.T.S.

EXISTING ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	150'	40°	A1	LPA-80063-6CF-EDIN-4	850 CDMA	1/4	RMN	–	–
		–	A2	–	–	–	–	B5/B13 RRH-BR04C B2/B66A RRH-BR049	REL
		40°	A3	NHH-65B-R2B	700/850/1900	0/0/0	REL	–	–
		40°	A3	NHH-65B-R2B	700/850/AWS	0/0/0	REL	–	–
		40°	A4	–	–	–	–	–	–
		40°	A5	LPA-80063-6CF-EDIN-4	850 CDMA	1/4	REL	–	–
BETA	150'	150°	B1	LPA-80063-6CF-EDIN-4	850 CDMA	2/4	RMN	–	–
		–	B2	–	–	–	–	B5/B13 RRH-BR04C B2/B66A RRH-BR049	REL
		170°	B3	NHH-45B-R2B	700/850/1900	0/4/2	REL	–	–
		170°	B3	NHH-45B-R2B	700/850/AWS	0/4/2	REL	–	–
		170°	B4	–	–	–	–	–	–
		150°	B5	LPA-80063-6CF-EDIN-4	850 CDMA	2/4	REL	–	–
GAMMA	150'	240°	C1	LPA-80063-6CF-EDIN-2	850 CDMA	0/2	RMN	–	–
		–	C2	–	–	–	–	B5/B13 RRH-BR04C B2/B66A RRH-BR049	RMN
		240°	C3	NHH-45B-R2B	700/850/1900	0/2/0	RMN	–	–
		240°	C3	NHH-45B-R2B	700/850/AWS	0/2/0	RMN	–	–
		240°	C4	–	–	–	–	–	–
		240°	C5	LPA-80063-6CF-EDIN-2	850 CDMA	0/2	RMN	–	–

NOTES

1. CONFIRM WITH VERIZON REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
2. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.

STATUS ABBREVIATIONS

RMV: TO BE REMOVED
RMN: TO REMAIN
REL: TO BE RELOCATED
ADD: TO BE ADDED

CABLE LENGTHS FOR JUMPERS

JUNCTION BOX TO RRU: 15'
RRU TO ANTENNA: 10'

FINAL ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	150'	40°	A1	LPA-80063-6CF-EDIN-4	850 CDMA	*	RMN	-	-
		40°	A2	MT6407-77A	L-SUB6	*	ADD	-	-
		40°	A3	LPA-80063-6CF-EDIN-4	850 CDMA	*	RMN	-	-
		-	A4	-	-	-	-	B5/B13 RRH-BR04C B2/B66A RRH-BR049	REL
		40°	A5	NHH-65B-R2B	700/850/1900	*	RMN	-	-
		40°	A5	NHH-65B-R2B	700/850/AWS	*	RMN	-	-
BETA	150'	150°	B1	LPA-80063-6CF-EDIN-4	850 CDMA	*	RMN	-	-
		170°	B2	MT6407-77A	L-SUB6	*	ADD	-	-
		150°	B3	LPA-80063-6CF-EDIN-4	850 CDMA	*	RMN	-	-
		-	B4	-	-	-	-	B5/B13 RRH-BR04C B2/B66A RRH-BR049	REL
		170°	B5	NHH-45B-R2B	700/850/1900	*	RMN	-	-
		170°	B5	NHH-45B-R2B	700/850/AWS	*	RMN	-	-
GAMMA	150'	240°	C1	LPA-80063-6CF-EDIN-2	850 CDMA	*	RMN	-	-
		-	C2	-	-	-	-	B5/B13 RRH-BR04C B2/B66A RRH-BR049	RMN
		240°	C3	NHH-45B-R2B	700/850/1900	*	RMN	-	-
		240°	C3	NHH-45B-R2B	700/850/AWS	*	RMN		
		240°	C4	MT6407-77A	L-SUB6	*	ADD	-	-
		240°	C5	LPA-80063-6CF-EDIN-2	850 CDMA	*	RMN	-	-

*REFER TO MOST RECENT RFDS

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
DB-C1-12C-24AB0Z	RMN	(7) 1-5/8"	(1) 2.02" (51.2MM)	RMN
–	–	–	–	-

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
DB-C1-12C-24AB-0Z	RMN	(7) 1-5/8"	(1) 2.02" (51.2MM)	RMN
-	-	--	-	-

3 EQUIPMENT SCHEDULES

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
COA: P-1177

NB+C TOTALLY COMMITTED.™
NB+C ENGINEERING SERVICES, LLC.
8601 SIX FORKS ROAD, SUITE 540
RALEIGH, NC 27615
(919) 657-9131

REV.	DESCRIPTION	BY	DATE
A	PRELIM	TH	07/22/21
B	PRELIM	BIW	08/18/21
C	PRELIM	BIW	09/13/21
0	FOR CONSTRUCTION	AMT	10/11/21

ATC SITE NUMBER:
411260

ATC SITE NAME:
MIDDLEFIELD CT

VERIZON SITE NAME:
MIDDLEFIELD CT

SITE ADDRESS:
484 MERIDEN ROAD
MIDDLEFIELD, CT 06455-1013

SEAL:

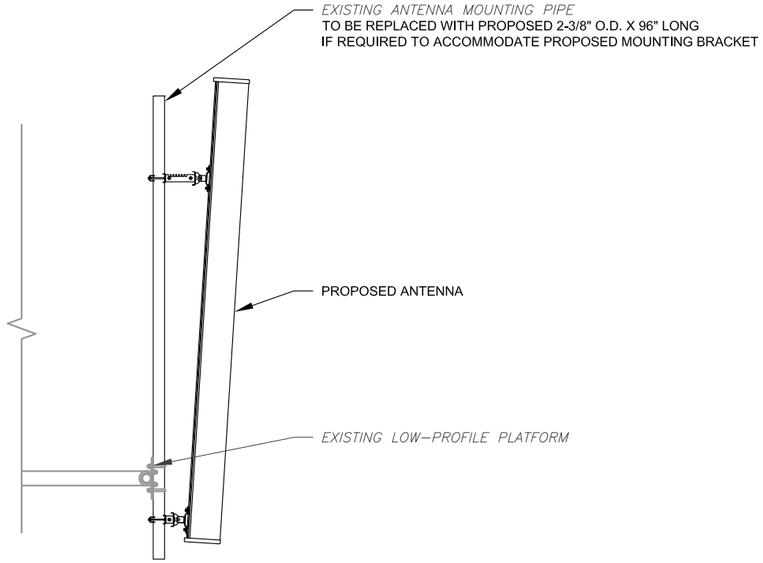
10/11/2021

verizon

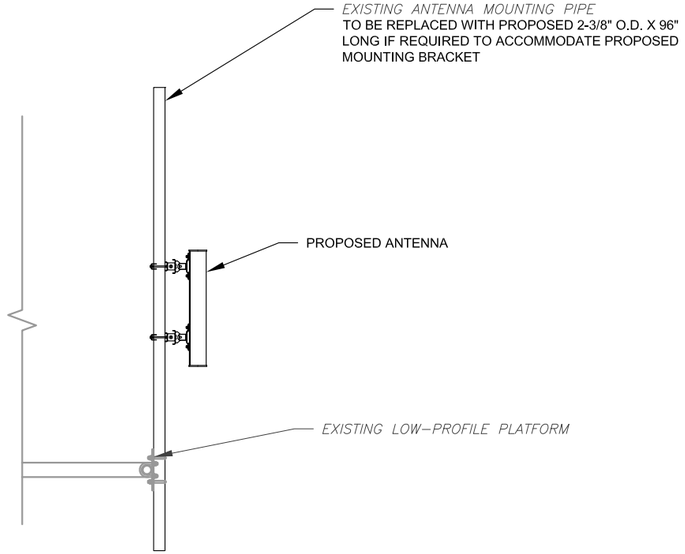
DATE DRAWN:	10/11/21
ATC JOB NO:	13701308
CUSTOMER ID:	MIDDLEFIELD CT
CUSTOMER #:	469410

ANTENNA INFORMATION & SCHEDULE

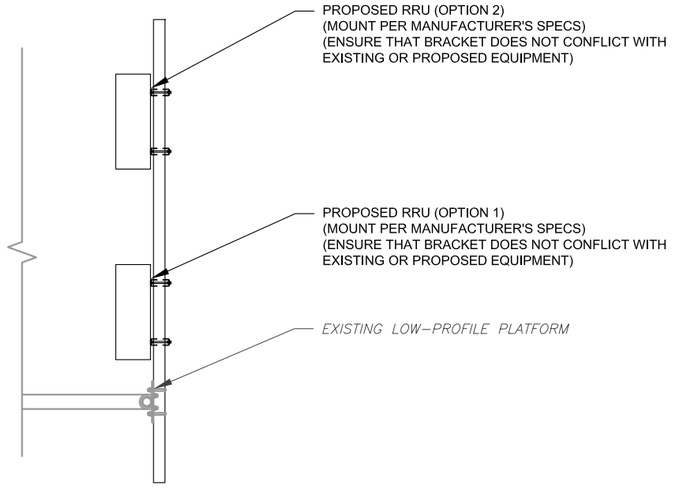
SHEET NUMBER:	REVISION:
C-401	0



1 PROPOSED ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



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



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

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
COA: P-1177

NB+C™
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
8601 SIX FORKS ROAD, SUITE 540
RALEIGH, NC 27615
(919) 657-9131

REV.	DESCRIPTION	BY	DATE
A	PRELIM	TH	07/22/21
B	PRELIM	BIW	08/18/21
C	PRELIM	BIW	09/13/21
0	FOR CONSTRUCTION	AMT	10/11/21

ATC SITE NUMBER:
411260

ATC SITE NAME:
MIDDLEFIELD CT

VERIZON SITE NAME:
MIDDLEFIELD CT

SITE ADDRESS:
484 MERIDEN ROAD
MIDDLEFIELD, CT 06455-1013

SEAL:

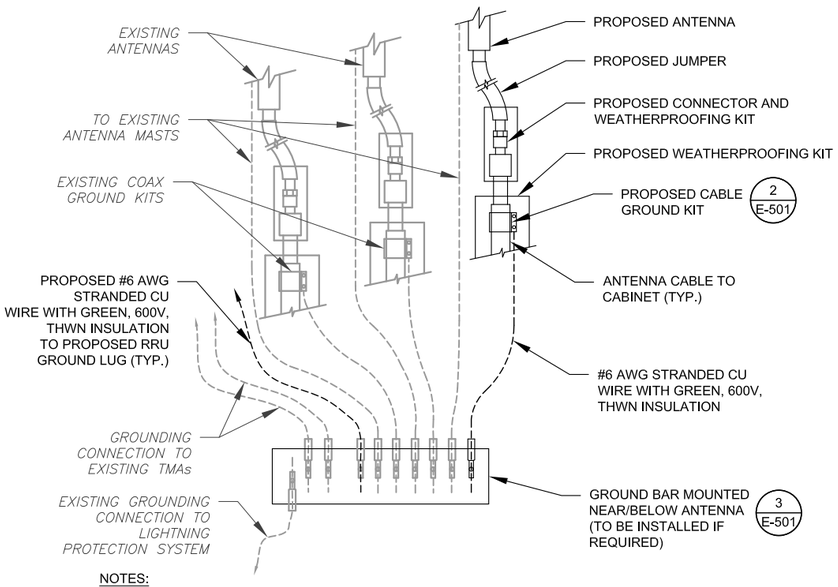
10/11/2021

verizon

DATE DRAWN:	10/11/21
ATC JOB NO:	13701308
CUSTOMER ID:	MIDDLEFIELD CT
CUSTOMER #:	469410

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	0

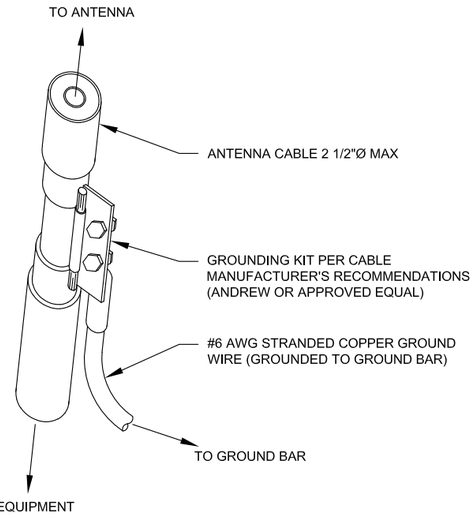


NOTES:

1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
2. SITE GROUNDING SHALL COMPLY WITH VERIZON GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH VERIZON GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

1 TYPICAL ANTENNA GROUNDING DIAGRAM

SCALE: N.T.S.

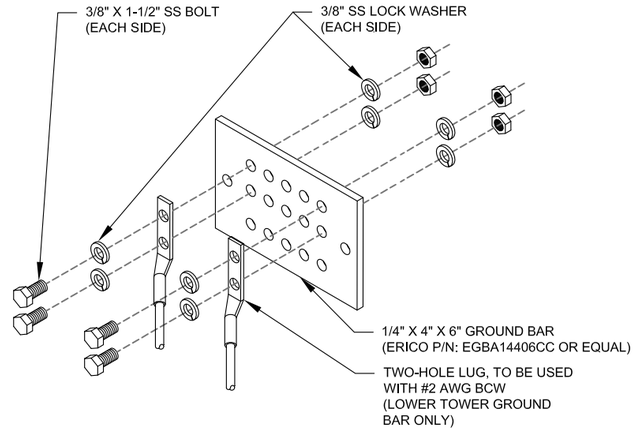


GROUND KIT NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

2 CABLE GROUND KIT CONNECTION DETAIL

SCALE: N.T.S.



GROUND BAR NOTES:

1. GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

3 TOWER GROUND BAR DETAIL

SCALE: N.T.S.

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
COA: P-1177

NB+C™
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
8601 SIX FORKS ROAD, SUITE 540
RALEIGH, NC 27615
(919) 657-9131

REV.	DESCRIPTION	BY	DATE
A	PRELIM	TH	07/22/21
B	PRELIM	BIW	08/18/21
C	PRELIM	BIW	09/13/21
0	FOR CONSTRUCTION	AMT	10/11/21

ATC SITE NUMBER:
411260

ATC SITE NAME:
MIDDLEFIELD CT

VERIZON SITE NAME:
MIDDLEFIELD CT

SITE ADDRESS:
484 MERIDEN ROAD
MIDDLEFIELD, CT 06455-1013

SEAL:

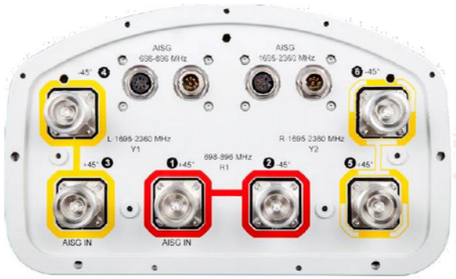
10/11/2021

verizon

DATE DRAWN:	10/11/21
ATC JOB NO:	13701308
CUSTOMER ID:	MIDDLEFIELD CT
CUSTOMER #:	469410

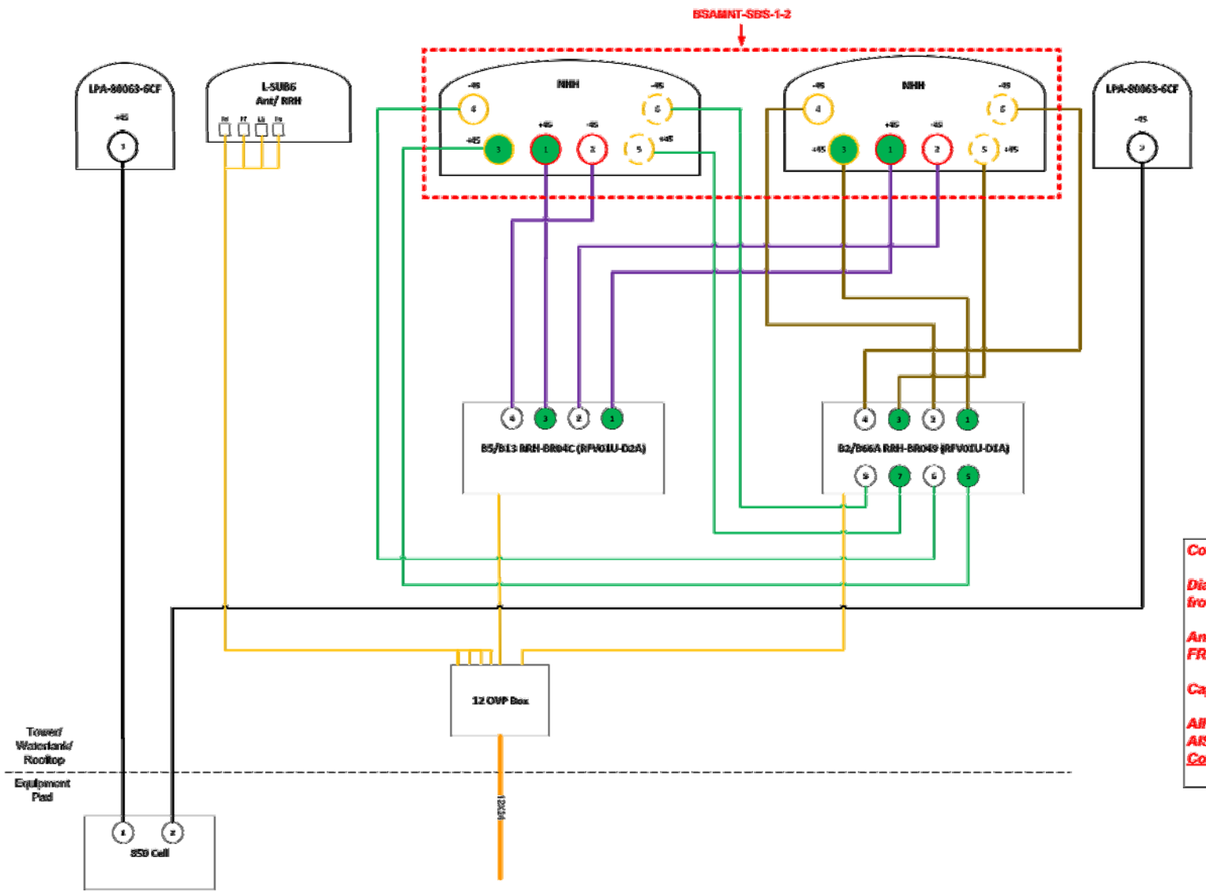
GROUNDING DETAILS

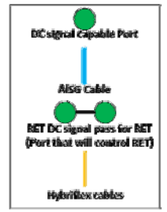
SHEET NUMBER:	REVISION:
E-501	0



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

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





Comments:

Diagram shows antenna port configuration as viewed from below antennas.

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

Cap and weatherproof unused antenna ports.

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

1 PLUMBING DIAGRAM

SCALE: NOT TO SCALE

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

SUPPLEMENTAL

SHEET NUMBER: R-601

REVISION: 0

Band	Sector 1 (Alpha) Color Codes	Sector 2 (Beta) Color Codes	Sector 3 (Gamma) Color Codes
850 CDMA	R R R	B B B	G G G
700	R P R R P R R R P R R R R P	B P B B P B B B P B B B B P	G P G G P G G G P G G G G P
850 LTE	R P P R R P P R R R P P R R R R P P	B P P B B P P B B B P P B B B B P P	G P P G G P P G G G P P G G G G P P
700 / 850	R P P P R R P P P R R R P P P R R R R P P P	B P P P B B P P P B B B P P P B B B B P P P	G P P P G G P P P G G G P P P G G G G P P P
AWS	R W R R W R R R W R R R R W	B W B B W B B B W B B B B W	G W G G W G G G W G G G G W
PCS	R W W R R W W R R R W W R R R R W W	B W W B B W W B B B W W B B B B W W	G W W G G W W G G G W W G G G G W W
AWS / PCS	R W W W R R W W W R R R W W W R R R R W W W	B W W W B B W W W B B B W W W B B B B W W W	G W W W G G W W W G G G W W W G G G G W W W
CBRS	R Y R R Y R R R Y R R R R Y	B Y B B Y B B B Y B B B B Y	G Y G G Y G G G Y G G G G Y
LAA	R Y Y R R Y Y	B Y Y B B Y Y	G Y Y G G Y Y

Band	Sector 4 (Delta) Color Codes	Sector 5 (Epsilon) Color Codes	Sector 6 (Zeta) Color Codes
850 CDMA	Gray R Gray R R	Gray B Gray B B	Gray G Gray G G
700	Gray R P Gray R R P Gray R R R P Gray R R R R P	Gray B P Gray B B P Gray B B B P Gray B B B B P	Gray G P Gray G G P Gray G G G P Gray G G G G P
850 LTE	Gray R P P Gray R R P P Gray R R R P P Gray R R R R P P	Gray B P P Gray B B P P Gray B B B P P Gray B B B B P P	Gray G P P Gray G G P P Gray G G G P P Gray G G G G P P
700 / 850	Gray R P P P Gray R R P P P Gray R R R P P P Gray R R R R P P P	Gray B P P P Gray B B P P P Gray B B B P P P Gray B B B B P P P	Gray G P P P Gray G G P P P Gray G G G P P P Gray G G G G P P P
AWS	Gray R W Gray R R W Gray R R R W Gray R R R R W	Gray B W Gray B B W Gray B B B W Gray B B B B W	Gray G W Gray G G W Gray G G G W Gray G G G G W
PCS	Gray R W W Gray R R W W Gray R R R W W Gray R R R R W W	Gray B W W Gray B B W W Gray B B B W W Gray B B B B W W	Gray G W W Gray G G W W Gray G G G W W Gray G G G G W W
AWS / PCS	Gray R W W W Gray R R W W W Gray R R R W W W Gray R R R R W W W	Gray B W W W Gray B B W W W Gray B B B W W W Gray B B B B W W W	Gray G W W W Gray G G W W W Gray G G G W W W Gray G G G G W W W
CBRS	Gray R Y Gray R R Y Gray R R R Y Gray R R R R Y	Gray B Y Gray B B Y Gray B B B Y Gray B B B B Y	Gray G Y Gray G G Y Gray G G G Y Gray G G G G Y
LAA	Gray R Y Y Gray R R Y Y	Gray B Y Y Gray B B Y Y	Gray G Y Y Gray G G Y Y

1 CABLE COLOR GUIDE

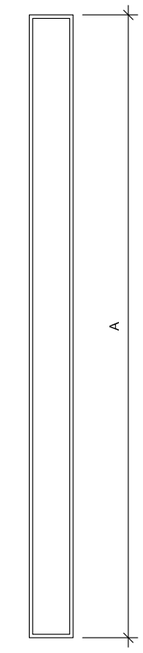
SCALE: NOT TO SCALE

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

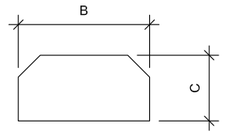
SUPPLEMENTAL

SHEET NUMBER: R-602

REVISION: 0



FRONT VIEW



TOP VIEW

1 ANTENNA SPECIFICATIONS

FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
MT6407-77A	35.1"	16.1"	5.5"	81.6

SUPPLEMENTAL

SHEET NUMBER: R-603

REVISION: 0

verizon

MASER CONSULTING CONNECTICUT

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 ReAnalysis-VZW

SMART Tool Project #: 10097731
Maser Consulting Connecticut Project #: 21777435A (Rev 1)

August 23, 2021

Site Information

Site ID:	*469410-VZW / MIDDLEFIELD CT*
Site Name:	*MIDDLEFIELD CT*
Carrier Name:	*Verizon Wireless*
Address:	*484 Meriden Road* *Middlefield, Connecticut 06455* *Middlesex County*
Latitude:	*41.535514°*
Longitude:	*-72.732094°*

Structure Information

Tower Type:	*151-Ft Self Support*
Mount Type:	*13.76-Ft Platform*

FUZE ID # 16244155

Analysis Results

Platform: **75.9% 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

Report Prepared By: Frank Centone

STATE OF CONNECTICUT — DEREK R. HARTSHORN — 32716 — LICENSED PROFESSIONAL ENGINEER

Digitally signed by Derek Hartsh
Date: 2021.08.23 12:20:49-04'00'

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
Standoff Horizontal	31.6%	Pass
Face Horizontal	35.8%	Pass
Mount Pipe	74.8%	Pass
MOD Kicker	14.8%	Pass
Mount Connection	75.9%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	75.9%

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

1 MOUNT ANALYSIS
SCALE: NOT TO SCALE

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

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-604	0

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 13.76' PLATFORM

TOWER OWNER: AMERICAN TOWER CORPORATION
TOWER OWNER SITE NUMBER: 411260

CARRIER SITE NAME: MIDDLEFIELD CT
CARRIER SITE NUMBER: 469410
FUZE ID: 16244155

484 MERIDEN ROAD
MIDDLEFIELD, CT 06455
MIDDLESEX COUNTY

LATITUDE: 41.535514° N
LONGITUDE: 72.732094° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 119 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 426.86'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS = 1.00 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_S = .207
LONG TERM MCER GROUND MOTION, S_1 = .055

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY:	VERIZON WIRELESS

CLIENT REPRESENTATIVE

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

PROJECT MANAGER

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

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10097731
VZW LOCATION CODE (PSLC):	469410
ANALYSIS DATE:	8/23/2021

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

MASER CONSULTING C.T. C.O.A. #: PC.0000131

verizon

811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTHS SURFACE ANYWHERE IN ANY STATE
Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE:	JOB NUMBER:
AS SHOWN	21777435A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	8/23/2021	ISSUED FOR CONSTRUCTION	FAC	DX

STATE OF CONNECTICUT
DEREK R. HARTZELL
32710
LICENSED PROFESSIONAL ENGINEER

Digitally signed by Derek R. Hartzell
Date: 2021.08.23 12:25:21-04'00'

SITE NAME:

MIDDLEFIELD CT
469410

484 MERIDEN ROAD
MIDDLEFIELD, CT 6455
MIDDLESEX COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: TITLE SHEET

SHEET NUMBER: ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
1	VZWSMART	VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1	291	291

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
					TOTAL:	441

NOTES:

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

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

VZWSMART KITS - APPROVED VENDORS

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

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

MASER CONSULTING C.T. C.O.A. #: PC.0000131

verizon

811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTHS SURFACE ANYWHERE IN ANY STATE
Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN
JOB NUMBER: 21777435A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	8/23/2021	ISSUED FOR CONSTRUCTION	FAC	DX

STATE OF CONNECTICUT
DEREK R. HARTZELL
32710
LICENSED PROFESSIONAL ENGINEER
Digitally signed by Derek R. Hartzell
Date: 2021.08.23 12:25:37-04'00'

SITE NAME:

MIDDLEFIELD CT
469410

484 MERIDEN ROAD
MIDDLEFIELD, CT 6455
MIDDLESEX COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: SBOM-1

PROJECT NOTES

1. SEE MODIFICATION NOTES

2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.

4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.

6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.

8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.

10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.

11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

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

STRUCTURAL STEEL

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

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

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

WELDING NOTES

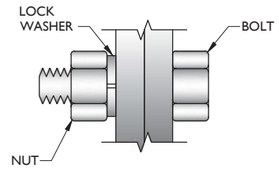
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING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

BOLT SCHEDULE (IN.)

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

WORKABLE GAGES (IN.)

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

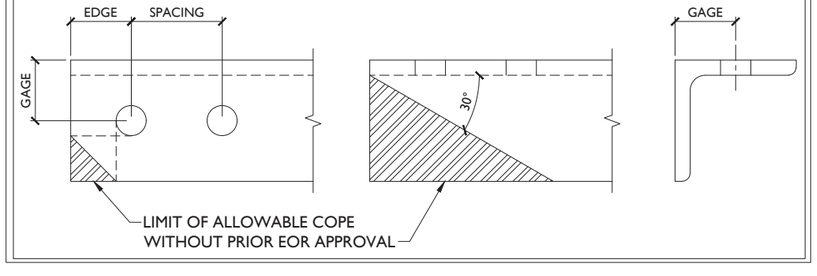


TYP. BOLT ASSEMBLY

NOTES:

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

ALLOWABLE COPING



MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
NEW JERSEY · NEW YORK · PENNSYLVANIA · VIRGINIA · FLORIDA · NORTH CAROLINA · SOUTH CAROLINA · NEW MEXICO · MARYLAND · GEORGIA · TEXAS · TENNESSEE · COLORADO
MASER CONSULTING C.T. C.O.A. #: PC.0000131

verizon

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN	JOB NUMBER: 21777435A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	8/23/2021	ISSUED FOR CONSTRUCTION	FAC	DX

STATE OF CONNECTICUT · DEREK R. HARTZELL · 32710 · LICENSED PROFESSIONAL ENGINEER

Digitally signed by Derek R. Hartzell
Date: 2021.08.23 12:25:37-04'00'

SITE NAME:

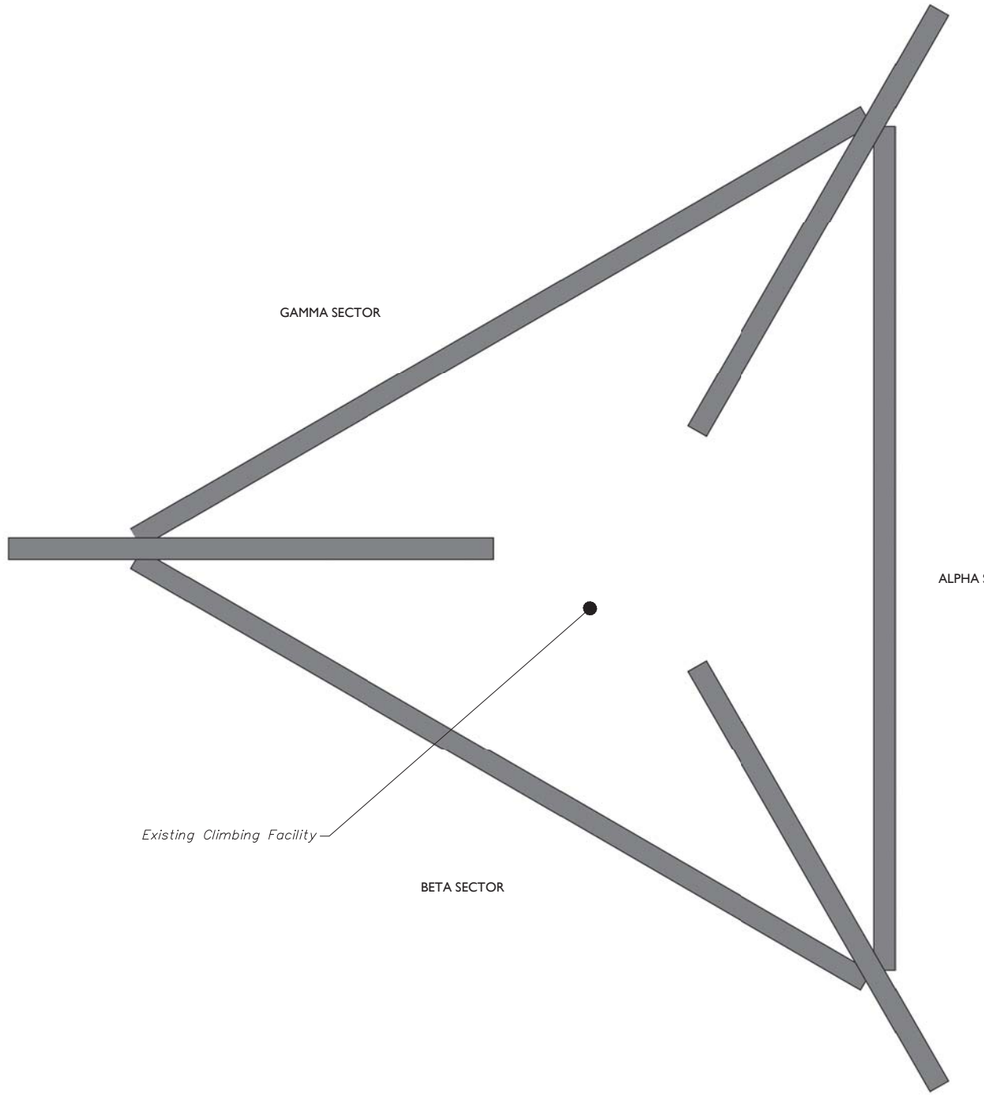
MIDDLEFIELD CT
469410

484 MERIDEN ROAD
MIDDLEFIELD, CT 6455
MIDDLESEX COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
MODIFICATION NOTES

SHEET NUMBER:
SGN-1



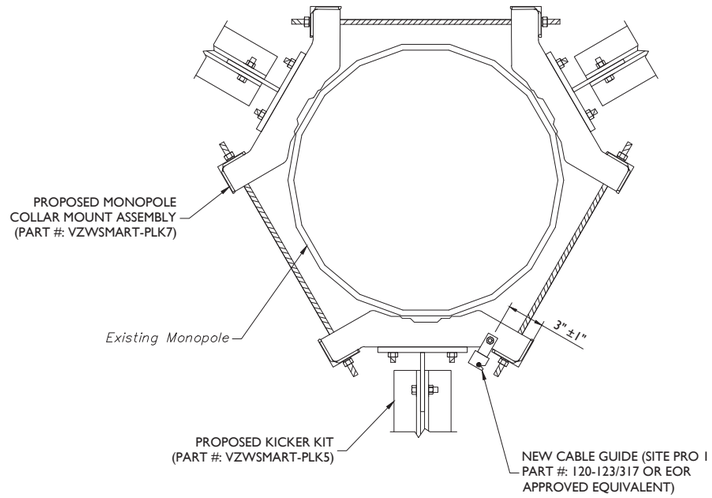
1 CLIMBING FACILITY LOCATION

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY RKS DESIGN & ENGINEERING LLC. ON 3/26/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (149'-0") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.

2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.



2 CABLE GUIDE COLLAR ATTACHMENT - PLAN VIEW

SCALE : N.T.S.

CLIMBING FACILITY PHOTO

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

MASER CONSULTING C.T. C.O.A. #: PC.0000131

verizon

811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE :	JOB NUMBER :
AS SHOWN	21777435A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	8/23/2021	ISSUED FOR CONSTRUCTION	FAC	DX

STATE OF CONNECTICUT
DEREK R. HARTZELL
32710
LICENSED PROFESSIONAL ENGINEER

Digitally signed by Derek R. Hartzell
Date: 2021.08.23 12:25:37-04'00'

SITE NAME:

MIDDLEFIELD CT
469410

484 MERIDEN ROAD
MIDDLEFIELD, CT 6455
MIDDLESEX COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE :
CLIMBING FACILITY DETAIL

SHEET NUMBER :
SCF-1

LEGEND:

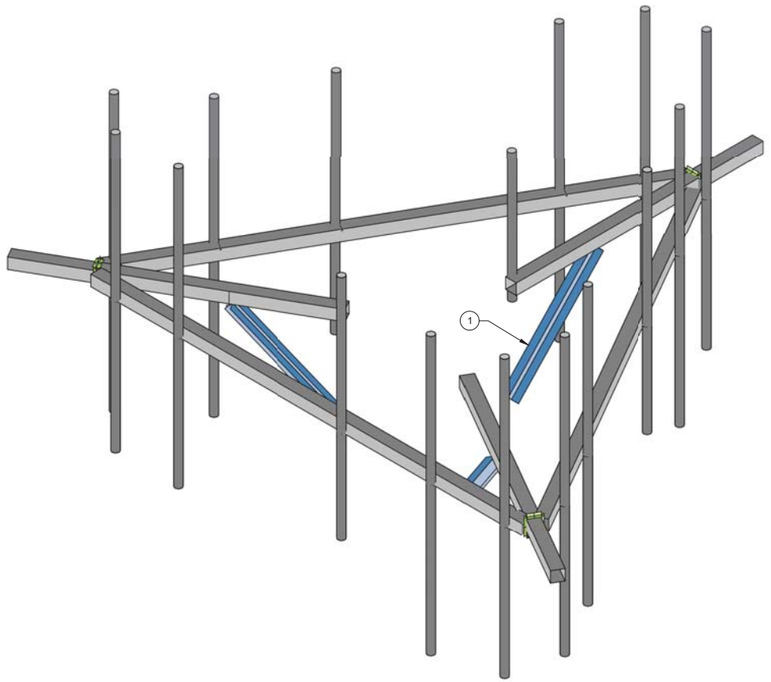
- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	149'-0"	1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).

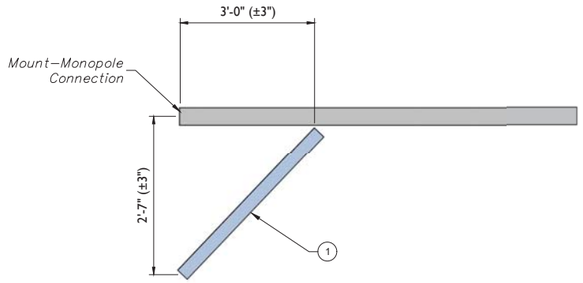
NOTES.

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



1 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

MASER CONSULTING C.T. C.O.A. #: PC.0000131

verizon

811 Know what's below. Call before you dig.

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTHS SURFACE ANYWHERE IN ANY STATE

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE :	JOB NUMBER :
AS SHOWN	21777435A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	8/23/2021	ISSUED FOR CONSTRUCTION	FAC	DX

STATE OF CONNECTICUT · DEREK R. HARTZELL · 32710 · LICENSED PROFESSIONAL ENGINEER

Digitally signed by Derek R. Hartzell
Date: 2021.08.23 12:25:37-04'00'

SITE NAME:

MIDDLEFIELD CT
469410

484 MERIDEN ROAD
MIDDLEFIELD, CT 6455
MIDDLESEX COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE :

MODIFICATION DETAILS

SHEET NUMBER :

SS-1

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

MASER CONSULTING C.T. C.O.A. #: PC.0000131

verizon

811 Know what's below. Call before you dig.

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTHS SURFACE ANYWHERE IN ANY STATE

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE : AS SHOWN

JOB NUMBER : 21777435A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	8/23/2021	ISSUED FOR CONSTRUCTION	FAC	DX

STATE OF CONNECTICUT
DEREK R. HARTZELL
32710
LICENSED PROFESSIONAL ENGINEER

Digitally signed by Derek R. Hartzell
Date: 2021.08.23 12:25:38-04'00'

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

SITE NAME:

MIDDLEFIELD CT
469410

484 MERIDEN ROAD
MIDDLEFIELD, CT 6455
MIDDLESEX COUNTY

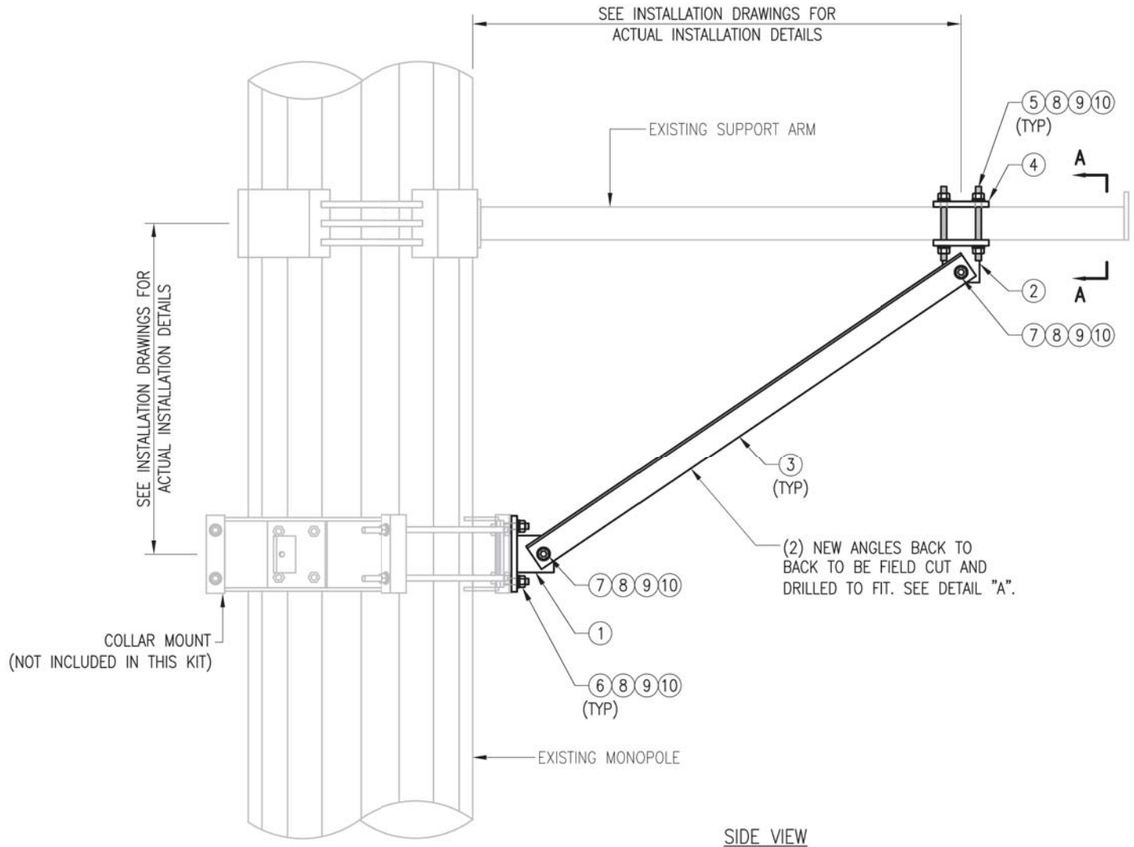
MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054

Phone: 856.797.0412
Fax: 856.722.1120

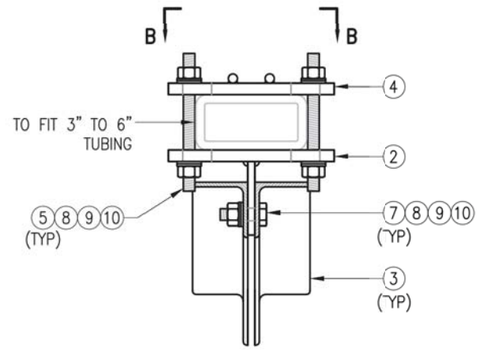
SHEET TITLE : MOUNT PHOTOS

SHEET NUMBER : SS-2

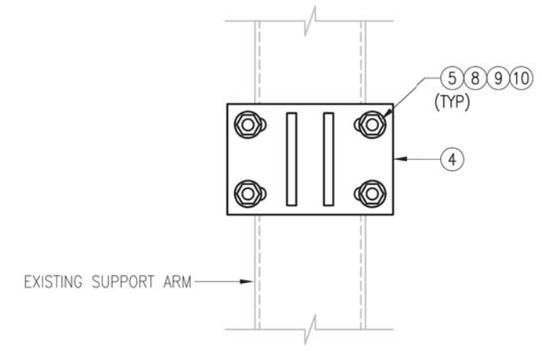
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



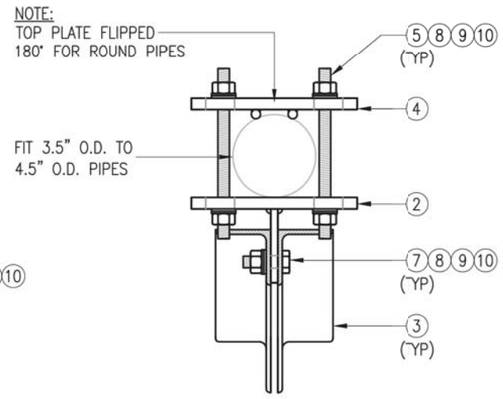
SIDE VIEW
KICKER KIT



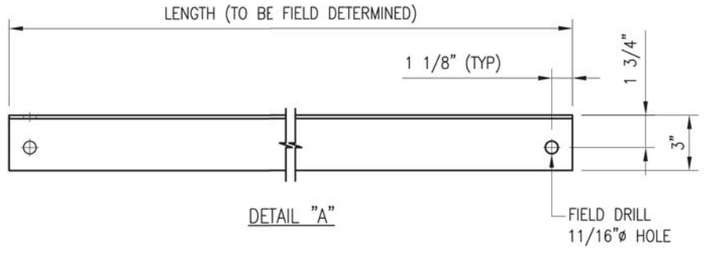
SECTION "A–A"
RECT. HSS MOUNTING



SECTION "B–B"



SECTION "A–A"
ROUND PIPE MOUNTING



DETAIL "A"

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT–DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

VZWSMART–PLK5 (KICKER KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW–XXX	BRACKET WELDMENT A36	PLK5–F3	43.8
2	3	BRKW–XXXX	BRACKET WELDMENT A36	PLK5–F2	35.7
3	6	L331875–8	L 3" X 3" X 3/16" X 8'–0" A36	PLK5–F4	182.9
4	3	PL–KI	PL 5/8" X 6" X 9" A36	PLK5–F1	29.0
5	12	---	THREADED ROD 5/8" DIA. X 1'–0" F1554–36 HDG	---	--
6	6	---	BOLT 5/8" X 2" A325	---	--
7	12	---	BOLT 5/8" X 2 1/2" A325	---	--
8	42	FW–625	5/8" HDG USS FLAT WASHER	---	3
9	42	LW–625	5/8" HDG LOCK WASHER	---	1
10	42	NUT–625	5/8" HDG HEX NUT	---	5
				GALVANIZED WT	291

VzW
SMART Tool©
Vendor

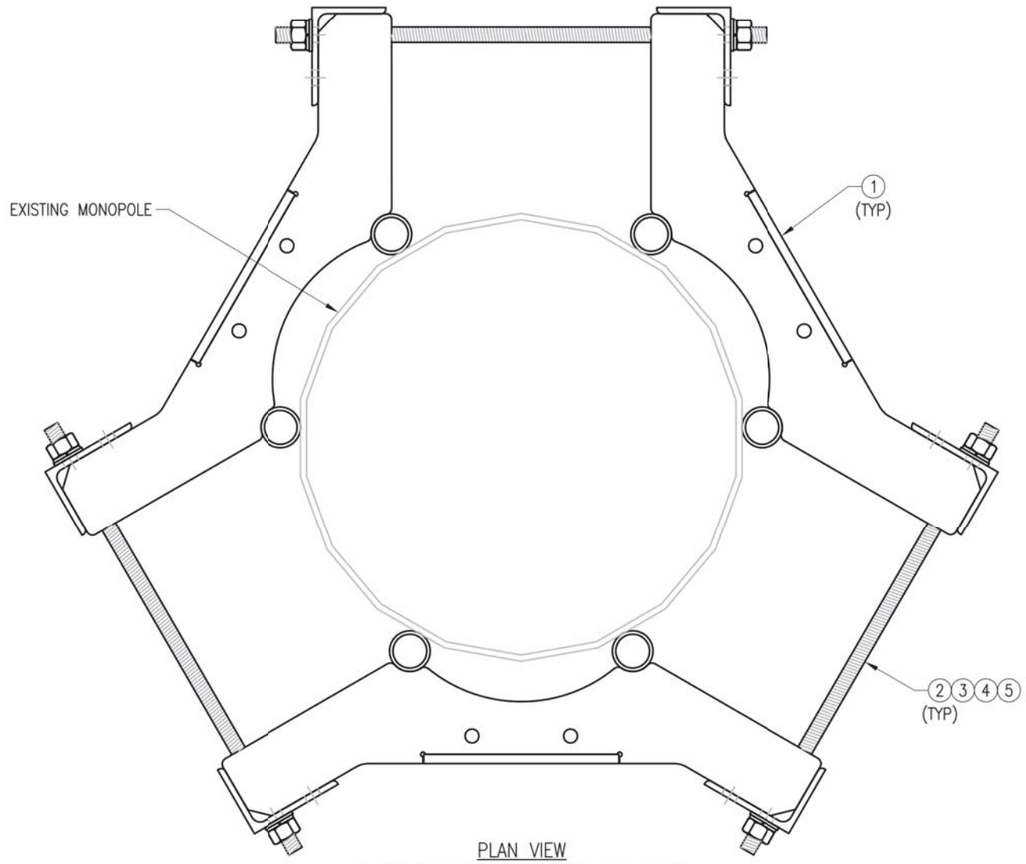
verizon

DRAWN BY: MN | CHECKED BY: HMA/KW

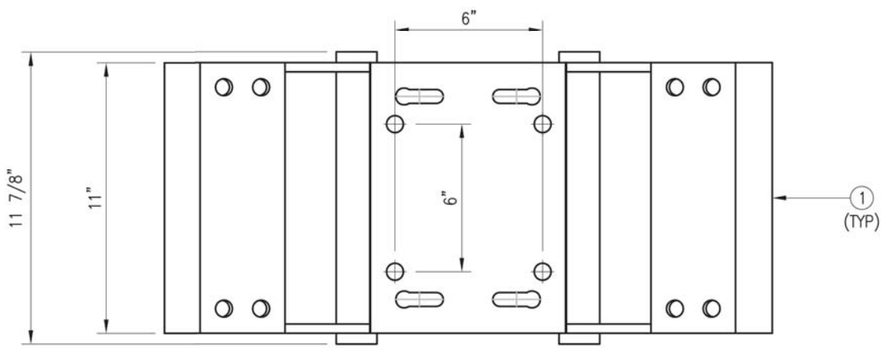
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	MN	05/08/20

SHEET TITLE:
VZWSMART–PLK5
KICKER KIT

SHEET NUMBER: VZWSMART–PLK5
REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

NOTES:
1. FIT 12" TO 45" DIA MONOPOLE.
2. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	CM-1245	COLLAR MOUNT ASSEMBLY	PLK7-F1	147
2	6	---	THREADED ROD 5/8" X 4'-0" A193-B7	---	
3	12	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	12	LW-625	5/8" HDG LOCK WASHER	---	0
5	12	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	150

VzW
SMART Tool©
Vendor

verizon

DRAWN BY: BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0