



Crown Castle
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065

July 7, 2021

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

RE: **Notice of Exempt Modification for Verizon
Crown Site BU 876348
1 Bright Meadow Boulevard Enfield, CT 06082
Latitude: 42° 1' 14.91"/ Longitude: -72° 35' 7.01"**

Dear Ms. Bachman:

Verizon currently maintains twelve (12) total antennas at the 139-foot centerline on the existing 147.5-foot monopole tower, located at 1 Bright Meadow Boulevard in Enfield, CT. The tower is owned by Crown Castle. The property is owned by Connecticut Light & Power. Verizon now intends to swap three (3) antennas and add three (3) new antennas.

Tower modifications:

- Swap three (3) antennas
- Add three (3) antennas

Ground modifications:

- None

The facility was approved by the Town of Enfield Planning & Zoning Commission on July 2, 1998.

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.S.C.A. § 16-50j-73, a copy of this letter is being sent to the Honorable Christopher W. Bromson, Town Manager for the Town of Enfield, to Jennifer Pachaca, Assistant Town Planner, as well as to the property owner and Crown Castle the tower owner.

Additionally:

1. The proposed modifications will not result in an increase in the height of the existing tower
2. The proposed modifications will not require the extension of the site boundary.
3. The proposed modification will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

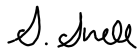
The Foundation for a Wireless World.

CrownCastle.com

4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communication Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, Verizon respectfully submits that the proposed modifications to the above-reference telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j72(b)(2). Please send approval/rejection letter to my attention at the address listed below.

Sincerely,



Sarah Snell
Site Acquisition Specialist
1800 W. Park Drive
Westborough, MA 01581
T: 508-621-9146
Sarah.Snell@crowncastle.com

Attachments

cc:

Christopher W. Bromson, Town Manager (via e-mail only to: TownManager@enfield.org)
Town of Enfield Connecticut
820 Enfield Street
Enfield, CT 06082

Jennifer Pachaca, Assistant Town Planner
Town of Enfield
820 Enfield Street
Enfield, CT 06082

Connecticut Light & Power Company (Eversource) (Property Owner)
300 Caldwell Drive
Springfield, MA 01104

Crown Castle (Tower Owner)

Snell, Sarah

From: Snell, Sarah
Sent: Wednesday, July 7, 2021 3:47 PM
To: TownManager@enfield.org
Subject: 1 Bright Meadow Blvd. - Verizon Wireless - 876348 - Connecticut Siting Council Notice of Exempt Modification
Attachments: 876348_552666_ENFIELD_CSC Notice of Exempt Mod. Zoning App_7.7.2021- Email Copy.pdf

Dear Mr. Bromson,

Attached please find a copy of the Notice of Exempt Modification filed on behalf of Verizon concerning the tower at the above-referenced address. The Connecticut Siting Council has advised that electronic submission is acceptable due to the pandemic. Kindly confirm receipt at your earliest convenience.

Regards,

Sarah Snell
Site Acquisition Specialist
O: 508-621-9146 M: 978-886-1765

CROWN CASTLE
1800 W. Park Drive
Westborough, MA 01581
CrownCastle.com

Snell, Sarah

From: TrackingUpdates@fedex.com
Sent: Thursday, July 8, 2021 10:49 AM
To: Snell, Sarah
Subject: FedEx Shipment 774198407730: Your package has been delivered

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.



Hi. Your package was
delivered Thu, 07/08/2021 at
10:46am.



Delivered to 300 CADWELL DR, SPRINGFIELD, MA 01104
Received by P.PAUL

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER [774198407730](#)

FROM Sarah Snell
1800 West Park Drive
Suite 200
WESTBOROUGH, MA, US, 01581

TO	Connecticut Light & Power Co. 300 Caldwell Drive SPRINGFIELD, MA, US, 01104
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Wed 7/07/2021 08:35 PM
DELIVERED TO	Shipping/Receiving
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	SPRINGFIELD, MA, US, 01104
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Priority Overnight



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FOLLOW FEDEX



Snell, Sarah

From: TrackingUpdates@fedex.com
Sent: Thursday, July 8, 2021 11:20 AM
To: Snell, Sarah
Subject: FedEx Shipment 774198375536: Your package has been delivered

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Hi. Your package was
delivered Thu, 07/08/2021 at
11:18am.



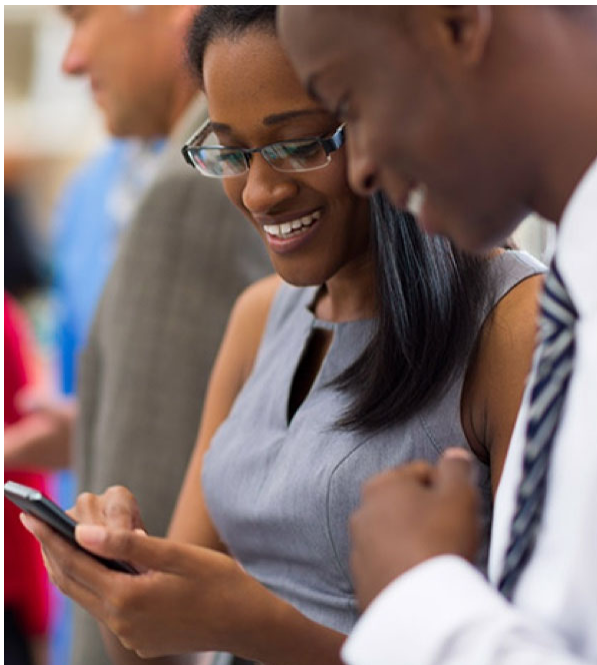
Delivered to 820 ENFIELD ST, ENFIELD, CT 06082
Received by C.SERRY

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER [774198375536](#)

FROM Sarah Snell
1800 West Park Drive
Suite 200
WESTBOROUGH, MA, US, 01581

TO	Town of Enfield Jennifer Pachaca Asst. Town Plr. 820 Enfield Street ENFIELD, CT, US, 06082
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Wed 7/07/2021 08:35 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	ENFIELD, CT, US, 06082
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	4.00 LB
SERVICE TYPE	FedEx Priority Overnight



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FOLLOW FEDEX

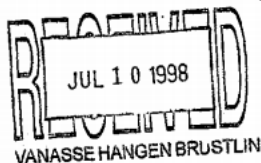
Exhibit A

Original Facility Approval



TOWN OF ENFIELD

CERTIFIED MAIL Z205 375 469



July 7, 1998

Karen Johnson
Vanasse Hangen Brustlin Inc.
54 Tuttle Place
Middletown, CT 06457

Dear Ms. Johnson:

At the July 2, 1998 Regular Meeting of the Enfield Planning & Zoning Commission the following action was taken:

PH 2053 – Special Use Permit for a Commercial Wireless Telecommunication Service including site plan review of a wireless telecommunication facility consisting of a 150-foot Monopole and associated equipment surrounded by a chain link fence located east of Bright Meadow Blvd. adjacent to the Harley Hotel (Assessor's Map 35, Lot 219 - Old Enfield St) BR zone – The Connecticut Light and Power Company, owner / Sprint Spectrum L.P. (Sprint PCS) aplct.

The Commission approved the application with the following conditions:

1. An engineering bond for removal of the wireless telecommunications facility including the tower and base components in an amount to be determined by the town engineer shall be submitted to the town prior to the start of construction and prior to the issuance of any building permits. Any need to use the bond by the town shall be binding on the site regardless of name of the bond obligee.

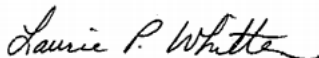
820 Enfield Street/Enfield, Connecticut 06082/(860) 253-6300

2. An erosion and sedimentation control passbook, pledged to the town, in an amount to be determined by the town engineer, shall be submitted to the town prior to the start of construction.
3. A preconstruction meeting between the applicant, site contractors, project engineer and town staff shall be held prior to the beginning of any site work.
4. The tower shall accommodate both the applicant's Antennas and comparable Antennas for at least two additional users.
5. The tower shall allow for future rearrangement of Antennas upon the tower and shall accommodate Antennas mounted at varying heights.
6. The wireless communication facility shall not interfere with existing or proposed public safety communications, commercial television and radio signals or other forms of communication transmissions. Penalty for subsequent interference shall void the approval of the facility.
7. The wireless communication facility shall comply with the standards promulgated by the Federal Communication Commission (FCC).
8. All generators installed in conjunction with the wireless communications facility shall comply with all State and local noise regulators.
9. On or before August 31 every year, the applicant or wireless telecommunications service provider shall submit information to the Planning Zoning Commission file in support of the provision of Section 14-8.6 of the Zoning Ordinance.
10. If the wireless communications facility is not in use for 12 consecutive months, it shall be removed within 90 days from the end of such 12 month period, including any towers and base components by the last service provider using the site or owner, whichever has a contractual obligation to perform the removal. The site shall be restored to an appearance that is compatible with the surrounding neighborhood and where appropriate, re-vegetated to blend with surrounding area.
11. The special use permit for a commercial wireless telecommunication service shall be valid for a maximum period of 10 years with a right of reapplication under regulations in effect at that time.

July 7, 1998

12. The approval of an application for special use permit shall be void and of no effect unless construction of the project commences within one year from the date of the approval granted by the commission in accordance with Section 14-10.2 of the Zoning Ordinance.
 13. Arrangements shall be made with the fire department regarding emergency access to the compound.
 14. The plans shall be modified to show a paved apron at the driveway entrance that conforms to town paving specifications.
 15. The plans shall be modified to include standard notes as recommended by the town engineer.
 16. Monopole shall be maintained if becomes rusty or eye sore.
- If you have any questions regarding this action, please contact me at (860)253-6358.

Very truly yours,



Laurie P. Whitten
Acting Town Planner

LPW/vch

**NOTICE OF ACTION
ENFIELD PLANNING AND ZONING COMMISSION**

ANNOTATED AGENDA

At a regular meeting of the Enfield Planning and Zoning Commission held July 2, 1998, the Commission took the following substantive actions:

REGULAR MEETING

1. Call to Order & Pledge of Allegiance 7:30
2. Roll Call Crowley, Howard, Costanzo, Lefakis, Duren, Ballard, Crane, [Dentamaro, DiPace 7:38]
3. Approval of Minutes – 7/2/98 Approved (7-0-0)
4. Staff Reports
 - a. Town Attorney Report-from packet
 - b. Zoning Enforcement Officer Report-from packet
 - c. Town Planner Report-from packet
5. Public Participation -none
6. Correspondence -from packet; request for policy of Town Green signs to be sent out to Commissioners.
7. Commissioner's Correspondence
8. PUBLIC HEARINGS 8:00 P.M.

READING OF THE LEGAL NOTICE

1. PH 1414.02 – Application to locate, maintain and conduct a crematory at Leete-Stevens Enfield Chapels, 61 South Road and abutting land (Map 73, Lots 88 & 89) R-33 zone - Leete-Stevens, Inc. applct/owner – Section 19a-320, Connecticut General Statutes (MPHCD 7/4/98, MAD 9/4/98) Public Hearing Closed. Action tabled pending report form Town Engineer.(7-0-0)
2. PH 2046 – Site Plan Review for Wireless Telecommunication Facility consisting of 12 cellular panel-type antennas mounted to roof of existing building and equipment area located inside existing building at 90 Enfield Street (Map 35, Lot 42) – BG zone – Bell Atlantic Mobile, Inc., applct, Robert M. Nuger and Steven M. Nuger, owner – Chapter 14 (MPHCD 7/18/98, MAD 9/4/98) Public Hearing Continued to meeting of July 23, 1998

3. PH 2053 – Special Use Permit for a Commercial Wireless Telecommunication Service including site plan review of a wireless telecommunication facility consisting of a 150-foot monopole and associated equipment surrounded by a chain link fence located east of Bright Meadow Blvd. adjacent to the Harley Hotel (Assesor's Map 35, Lot 219 - Old Enfield St) BR zone – The Connecticut Light and Power Company, owner / Sprint Spectrum L.P. (Sprint PCS) aplct. – Section 14 (MPHC 8/7/98, MAD 9/4/98) Public Hearing Closed. Approved with the following conditions(7-0-0):
 1. An engineering bond for removal of the wireless telecommunications facility including the tower and base components in an amount to be determined by the town engineer shall be submitted to the town prior to the start of construction and prior to the issuance of any building permits. Any need to use the bond by the town shall be binding on the site regardless of name of the bond obligee.
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9. Old Business

ITEMS READY FOR ACTION

a. Pending Applications

1. PH 2043 - Petition for text amendment to Chapter 9 of the Zoning Ordinance to create a new section 9.1.13 to provide for development of assisted living facilities on appropriate sites - Elm Development Services, Inc. petitioner - Sec. 21 (MAD 8/21/98) APPROVED AS AMENDED (7-0-0)

TOWN OF ENFIELD, CONNECTICUT
SELECTED ORDINANCE PROVISIONS PERTAINING TO
ASSISTED LIVING

Revised Petitioned 6/19/98

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TOWN OF ENFIELD, CONNECTICUT
SELECTED ORDINANCE PROVISIONS PERTAINING TO
ASSISTED LIVING

Revised Petitioned 6/19/98

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TOWN OF ENFIELD, CONNECTICUT
SELECTED ORDINANCE PROVISIONS PERTAINING TO
ASSISTED LIVING

Revised Petitioned 6/19/98

Chapter 9

Zoning

ASSISTED LIVING DEVELOPMENTS

A PETITION OFFERED BY A DEVELOPER INTERESTED IN BUILDING AN ASSISTED LIVING FACILITY EITHER SEPARATE AND APART FROM A CONTINUING CARE RETIREMENT COMMUNITY OR AS A PART OF THEM. AMEND CHAPTER 9 TO ADD NEW TEXT SHOWN IN BOLD FACE

- 9-1.13 Assisted Living Facilities as managed residential communities providing support services that encourage elderly residents of sixty-two years of age or older to maintain a maximum level of independence which may include the following services: (1) Twenty-four (24) hour protective oversight, (2) care for seniors who need assistance with activities of daily living, (3) arranging for health-related services, (4) social and recreational activities, (5) meals, including snacks and special diets, (6) transportation, (7) housekeeping, (8) laundry, and (9) emergency call systems and security.

An assisted living facility may be permitted within the R-33 and R-44 Districts subject to the granting of a Special Use Permit by the Enfield Planning and Zoning Commission, provided such use shall comply, if applicable, with the provisions of Chapter 16 of this Ordinance except as modified by the following conditions.

- a. The following area, density, parking, and setback requirements shall apply:
 1. Minimum Lot Area: Ten (10) acres.
 2. Maximum Number of Dwelling Units Per Acre:

Residential-33 District: Ten (10)
Residential-44 District: Eight (8).
 3. Maximum Lot Coverage (total of all buildings): Twenty-five percent (25%).
 4. Minimum Floor Area (gross area):
 - a. Studio (efficiency) dwelling units: Four hundred fifty (450) square feet.
 - b. One-bedroom dwelling units: Five hundred twenty five (525) square feet.
 - c. Two or more bedroom dwelling units: Seven hundred (700) square feet.
 5. Minimum Setback Distances for all buildings, including porches and patios:

Front yard: Sixty (60) Feet.
Side and rear yards: Fifty (50) Feet.
 6. Maximum Building Height: Thirty-five (35) feet.

7. Minimum Number of Parking Spaces: One (1) space for every two (2) dwelling units (includes coverage for visitors, and deliveries) and one (1) space for every two (2) employees.
- b. Accessory Uses
 1. Permitted accessory uses to the Assisted Living Facility Services, exclusively for the use of the residents thereof and their guests, shall be limited to the following:
 - a. twenty four (24) hour protective oversight;
 - b. care for seniors who need assistance with activities of daily living;
 - c. arranging for health-related services;
 - d. social and recreational activities;
 - e. meals, including snacks and special diets;
 - f. transportation;
 - g. housekeeping;
 - h. laundry;
 - i. emergency call systems and security shall be exclusively for the use of the residents of the assisted living facility and their guests;
 - j. emergency call systems;
 - k. security; and,
 - l. convenience retail shop with a maximum of 1,000 (excluding storage area) square feet of floor area for the sale of food items, prescription and/or nonprescription drugs, household items and gifts for the use of the occupants.
 - m. Storage buildings for maintenance equipment for the subject site.
- c. The following residency requirements shall apply:
 1. Occupancy of dwelling units shall be for persons at least sixty-two (62) years of age and in the case of multiple occupancy of a dwelling unit, one (1) person shall be at least sixty-two (62) years of age and all others shall be fifty-five (55) years or older.
 2. The owner(s) management company of each assisted living facility shall, on an annual basis, if requested to do so, present a report to the Zoning Enforcement Officer certifying as to compliance with the above age restriction requirement, by disclosing the number of dwelling units being occupied by persons at least sixty-two (62) years of age.
- d. The following miscellaneous requirements shall apply:

1. The site shall be serviced in full by public sewer and public water supply.
2. No assisted living facility shall be either partially or totally converted to a Planned Residential Development.
3. continuing care retirement community (Section 9-1.11).
4. Each dwelling unit shall have an emergency call/intercom system connected to a central station staffed twenty-four (24) hours per day.
5. Outdoor recreational amenities including but not limited landscaped walking trails and community flower and/or vegetable gardens, shall be provided to the satisfaction of the Commission.
6. Buffer/screening shall be provided at abutting residential locations to the satisfaction of the Commission.
7. All signs shall be located on the site development plan and shall be described as to location, dimension, height, materials, and purpose.
8. Outdoor lighting shall be provided to insure proper and safe illumination of driveways and parking areas. The type and location of such outdoor lighting shall be as approved by the Commission.
9. Solid waste disposal: Any solid waste stations or dumpsters shall be placed on a concrete pad designed to Town specifications, appropriately screened, maintained, and shown on the site development plan.
10. Each dwelling unit shall include a bathroom with at least one (1) toilet, one (1) sink, and one (1) shower all handicapped accessible.
11. Each dwelling unit shall include a mini-kitchen or kitchenette consisting of at least a refrigerator and microwave oven.
- 2.

b. Pending Requests

NONE

ITEMS NOT READY FOR ACTION

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b. New Requests

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Chapter 9

Zoning

ASSISTED LIVING DEVELOPMENTS

A PETITION OFFERED BY A DEVELOPER INTERESTED IN BUILDING AN ASSISTED LIVING FACILITY EITHER SEPARATE AND APART FROM A CONTINUING CARE RETIREMENT COMMUNITY OR AS A PART OF THEM. AMEND CHAPTER 9 TO ADD NEW TEXT SHOWN IN BOLD FACE

- 9-1.13 Assisted Living Facilities as managed residential communities providing support services that encourage elderly residents of sixty-two years of age or older to maintain a maximum level of independence which may include the following services: (1) Twenty-four (24) hour protective oversight, (2) care for seniors who need assistance with activities of daily living, (3) arranging for health-related services, (4) social and recreational activities, (5) meals, including snacks and special diets, (6) transportation, (7) housekeeping, (8) laundry, and (9) emergency call systems and security.

An assisted living facility may be permitted within the R-33 and R-44 Districts subject to the granting of a Special Use Permit by the Enfield Planning and Zoning Commission, provided such use shall comply, if applicable, with the provisions of Chapter 16 of this Ordinance except as modified by the following conditions.

- a. The following area, density, parking, and setback requirements shall apply:
 1. Minimum Lot Area: Ten (10) acres.
 2. Maximum Number of Dwelling Units Per Acre:

Residential-33 District: Ten (10)
Residential-44 District: Eight (8).
 3. Maximum Lot Coverage (total of all buildings): Twenty-five percent (25%).
 4. Minimum Floor Area (gross area):
 - a. Studio (efficiency) dwelling units: Four hundred fifty (450) square feet.
 - b. One-bedroom dwelling units: Five hundred twenty five (525) square feet.
 - c. Two or more bedroom dwelling units: Seven hundred (700) square feet.
 5. Minimum Setback Distances for all buildings, including porches and patios:

Front yard: Sixty (60) Feet.
Side and rear yards: Fifty (50) Feet.
 6. Maximum Building Height: Thirty-five (35) feet.

7. Minimum Number of Parking Spaces: One (1) space for every two (2) dwelling units (includes coverage for visitors, and deliveries) and one (1) space for every two (2) employees.
- b. Accessory Uses
 1. Permitted accessory uses to the Assisted Living Facility Services, exclusively for the use of the residents thereof and their guests, shall be limited to the following:
 - a. twenty four (24) hour protective oversight;
 - b. care for seniors who need assistance with activities of daily living;
 - c. arranging for health-related services;
 - d. social and recreational activities;
 - e. meals, including snacks and special diets;
 - f. transportation;
 - g. housekeeping;
 - h. laundry;
 - i. emergency call systems and security shall be exclusively for the use of the residents of the assisted living facility and their guests;
 - j. emergency call systems;
 - k. security; and,
 - l. convenience retail shop with a maximum of 1,000 (excluding storage area) square feet of floor area for the sale of food items, prescription and/or nonprescription drugs, household items and gifts for the use of the occupants.
 - m. Storage buildings for maintenance equipment for the subject site.
- c. The following residency requirements shall apply:
 1. Occupancy of dwelling units shall be for persons at least sixty-two (62) years of age and in the case of multiple occupancy of a dwelling unit, one (1) person shall be at least sixty-two (62) years of age and all others shall be fifty-five (55) years or older.
 2. The owner(s) management company of each assisted living facility shall, on an annual basis, if requested to do so, present a report to the Zoning Enforcement Officer certifying as to compliance with the above age restriction requirement, by disclosing the number of dwelling units being occupied by persons at least sixty-two (62) years of age.
- d. The following miscellaneous requirements shall apply:

1. The site shall be serviced in full by public sewer and public water supply.
2. No assisted living facility shall be either partially or totally converted to a Planned Residential Development.
3. continuing care retirement community (Section 9-1.11).
4. Each dwelling unit shall have an emergency call/intercom system connected to a central station staffed twenty-four (24) hours per day.
5. Outdoor recreational amenities including but not limited landscaped walking trails and community flower and/or vegetable gardens, shall be provided to the satisfaction of the Commission.
6. Buffer/screening shall be provided at abutting residential locations to the satisfaction of the Commission.
7. All signs shall be located on the site development plan and shall be described as to location, dimension, height, materials, and purpose.
8. Outdoor lighting shall be provided to insure proper and safe illumination of driveways and parking areas. The type and location of such outdoor lighting shall be as approved by the Commission.
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**NOTICE OF ACTION
ENFIELD PLANNING AND ZONING COMMISSION**

ANNOTATED AGENDA

At a regular meeting of the Enfield Planning and Zoning Commission held July 2, 1998, the Commission took the following substantive actions:

REGULAR MEETING

1. Call to Order & Pledge of Allegiance 7:30
2. Roll Call Crowley, Howard, Costanzo, Lefakis, Duren, Ballard, Crane, [Dentamaro, DiPace 7:38]
3. Approval of Minutes – 7/2/98 Approved (7-0-0)
4. Staff Reports
 - a. Town Attorney Report-from packet
 - b. Zoning Enforcement Officer Report-from packet
 - c. Town Planner Report-from packet
5. Public Participation -none
6. Correspondence -from packet; request for policy of Town Green signs to be sent out to Commissioners.
7. Commissioner's Correspondence
8. PUBLIC HEARINGS 8:00 P.M.

READING OF THE LEGAL NOTICE

1. PH 1414.02 – Application to locate, maintain and conduct a crematory at Leete-Stevens Enfield Chapels, 61 South Road and abutting land (Map 73, Lots 88 & 89) R-33 zone - Leete-Stevens, Inc. applct/owner – Section 19a-320, Connecticut General Statutes (MPHCD 7/4/98, MAD 9/4/98) Public Hearing Closed. Action tabled pending report form Town Engineer.(7-0-0)
2. PH 2046 – Site Plan Review for Wireless Telecommunication Facility consisting of 12 cellular panel-type antennas mounted to roof of existing building and equipment area located inside existing building at 90 Enfield Street (Map 35, Lot 42) – BG zone – Bell Atlantic Mobile, Inc., applct, Robert M. Nuger and Steven M. Nuger, owner – Chapter 14 (MPHCD 7/18/98, MAD 9/4/98) Public Hearing Continued to meeting of July 23, 1998

3. PH 2053 – Special Use Permit for a Commercial Wireless Telecommunication Service including site plan review of a wireless telecommunication facility consisting of a 150-foot monopole and associated equipment surrounded by a chain link fence located east of Bright Meadow Blvd. adjacent to the Harley Hotel (Assessor's Map 35, Lot 219 - Old Enfield St) BR zone – The Connecticut Light and Power Company, owner / Sprint Spectrum L.P. (Sprint PCS) aplct. – Section 14 (MPHC 8/7/98, MAD 9/4/98) Public Hearing Closed. Approved with the following conditions(7-0-0):
 1. An engineering bond for removal of the wireless telecommunications facility including the tower and base components in an amount to be determined by the town engineer shall be submitted to the town prior to the start of construction and prior to the issuance of any building permits. Any need to use the bond by the town shall be binding on the site regardless of name of the bond obligee.
 2. An erosion and sedimentation control passbook, pledged to the town, in an amount to be determined by the town engineer, shall be submitted to the town prior to the start of construction.
 3. A preconstruction meeting between the applicant, site contractors, project engineer and town staff shall be held prior to the beginning of any site work.
 4. The tower shall accommodate both the applicant's Antennas and comparable Antennas for at least two additional users.
 5. The tower shall allow for future rearrangement of Antennas upon the tower and shall accommodate Antennas mounted at varying heights.
 6. The wireless communication facility shall not interfere with existing or proposed public safety communications, commercial television and radio signals or other forms of communication transmissions. Penalty for subsequent interference shall void the approval of the facility.
 7. The wireless communication facility shall comply with the standards promulgated by the Federal Communication Commission (FCC).
 8. All generators installed in conjunction with the wireless communications facility shall comply with all State and local noise regulators.
 9. On or before August 31 every year, the applicant or wireless telecommunications service provider shall submit information to the Planning Zoning Commission file in support of the provision of Section 14-8.6 of the Zoning Ordinance.

10. If the wireless communications facility is not in use for 12 consecutive months, it shall be removed within 90 days from the end of such 12 month period, including any towers and base components by the last service provider using the site or owner, whichever has a contractual obligation to perform the removal. The site shall be restored to an appearance that is compatible with the surrounding neighborhood and where appropriate, re-vegetated to blend with surrounding area.
11. The special use permit for a commercial wireless telecommunication service shall be valid for a maximum period of 10 years with a right of reapplication under regulations in effect at that time.
12. The approval of an application for special use permit shall be void and of no effect unless construction of the project commences within one year from the date of the approval granted by the commission in accordance with Section 14-10.2 of the Zoning Ordinance.
13. Arrangements shall be made with the fire department regarding emergency access to the compound.
14. The plans shall be modified to show a paved apron at the driveway entrance that conforms to town paving specifications.
15. The plans shall be modified to include standard notes as recommended by the town engineer.
16. Monopole shall be maintained if becomes rusty or eye sore.

9. Old Business

ITEMS READY FOR ACTION

a. Pending Applications

1. PH 2043 - Petition for text amendment to Chapter 9 of the Zoning Ordinance to create a new section 9.1.13 to provide for development of assisted living facilities on appropriate sites - Elm Development Services, Inc. petitioner - Sec. 21 (MAD 8/21/98) APPROVED AS AMENDED (7-0-0)

TOWN OF ENFIELD, CONNECTICUT
SELECTED ORDINANCE PROVISIONS PERTAINING TO
ASSISTED LIVING

Revised Petitioned 6/19/98

Chapter 9

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c. New Initiatives

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d. Set Public Hearing Dates

HEARINGS TO BE SCHEDULED

1. PH 1902.05 FLD 1902.05-- Amendment of a Special Use Permit for a planned commercial development, and Site Plan Review together with a Flood Hazard Permit to construct a 5,700 square foot TGIF Restaurant in existing parking area at Stateline Plaza (130 Elm Street) west side of Freshwater Blvd. including recertification of parking and access drives, landscaping etc. (Map 57, Lots 329, 344, 345, 346) BR zone - Sections 16-2.8, 16-14.1 of the Zoning Ordinance and Article II, Section 4-15 through 4-32 of the Town Code (MPHC 8/21/98) **Scheduled public hearing for July 23, 1998**
2. PH 2054 - Special Use Permit and Site Plan Review for a day care center at the plaza at 284 North Maple Street (Map 80, Lot 203) BL zone - Diane Stoner applct / Tartsinis, owner - Section 11-1.2.4 and 16-2.12 (MPHC 9/4/98) **Scheduled public hearing for July 23, 1998**
3. PH 2055 - Special Use Permit to change a non-conforming structure and Site Plan Review for 24 x 38 foot overhead canopy installation at existing gasoline dispensing islands at 126 South Road, (Map 66, Lot 1) BL Zone - Roger E. Williams Owner/Getty Petroleum Corp. Applct (MPHC 9/4/98) **Scheduled public hearing for September 3, 1998**
4. PH 1959.02 - Special Use Permit to convert an existing building in order to add a dwelling unit at 14 Powder Hill Rd (Map 85, Lot 6) R-88 zone - John & Mavis Collins owner/applct - Chapter 9-1.6 (MPHC 9/4/98) **Scheduled public hearing for September 3, 1998**

HEARINGS ALREADY SCHEDULED TO JULY 23

5. PH 1970.02 - Modification of Special Use Permit #1970 to include full body piercing at The Edge, 55 Enfield Street (Map 35, Lot 207) BL Zone - Elia Realty LLC owner/Edge Beauty Shop applc. - Chapter 11, Section 1.2.2 (MPHC 8/7/98, MAD 9/26/98)
6. PH 2052 - Petition for text amendment to Chapter 11 of the Zoning Ordinance Sections 11-1.2.4 to change the maximum capacity of dry cleaning equipment to 50 lbs. and remove reference to coin operation - Jong Nam Joo petitioner - Sec. 21(MPHC 8/7/98, MAD 9/26/98)
7. PH 1438.05 - Amendment of a Special Use Permit for a planned commercial development and Site Plan Review for the construction of an 8,000 sf auto parts store at "Stop and Shop Plaza", 54 Hazard Ave (Map 56, Lot 26) BR

Zone - Hazard Avenue Associates owner/applct. ~ Chapter , 16 (MPHC
8/7/98, MAD 9/26/98)

5. Other Business

- a. SPR 958 - Town Planner Review of modification of a previously approved site plan to replace an outparcel restaurant with a smaller retail use at Freshwater Commons, at 51 Palomba Drive (Map 56, Lot 40) **Formed Consensus that the Town Planner may approve as submitted.**

6. Adjournment 11:00 p.m.

MAD = Mandatory Action Date
MAD = Mandatory Action Extended Date
MPHC = Mandatory Public Hearing Commencement
MinPHC = Minimum Public Hearing Commencement
MPHCD = Mandatory Public Hearing Closure Date
MPHCDX = Mandatory Public Hearing Closure Extended Date
IWA = Inland Wetland Permit Required

TOWN OF ENFIELD, CONNECTICUT
SELECTED ORDINANCE PROVISIONS PERTAINING TO
ASSISTED LIVING
Revised Petitioned 6/19/98

Chapter 9

Zoning

ASSISTED LIVING DEVELOPMENTS

A PETITION OFFERED BY A DEVELOPER INTERESTED IN BUILDING AN ASSISTED LIVING FACILITY EITHER SEPARATE AND APART FROM A CONTINUING CARE RETIREMENT COMMUNITY OR AS A PART OF THEM. AMEND CHAPTER 9 TO ADD NEW TEXT SHOWN IN BOLD FACE

- 9-1.13 Assisted Living Facilities as managed residential communities providing support services that encourage elderly residents of sixty-two years of age or older to maintain a maximum level of independence which may include the following services: (1) Twenty-four (24) hour protective oversight, (2) care for seniors who need assistance with activities of daily living, (3) arranging for health-related services, (4) social and recreational activities, (5) meals, including snacks and special diets, (6) transportation, (7) housekeeping, (8) laundry, and (9) emergency call systems and security.

An assisted living facility may be permitted within the R-33 and R-44 Districts subject to the granting of a Special Use Permit by the Enfield Planning and Zoning Commission, provided such use shall comply, if applicable, with the provisions of Chapter 16 of this Ordinance except as modified by the following conditions.

- a. The following area, density, parking, and setback requirements shall apply:
1. Minimum Lot Area: Ten (10) acres.
 2. Maximum Number of Dwelling Units Per Acre:

Residential-33 District: Ten (10)
Residential-44 District: Eight (8).
 3. Maximum Lot Coverage (total of all buildings): Twenty-five percent (25%).
 4. Minimum Floor Area (gross area):
 - a. Studio (efficiency) dwelling units: Four hundred fifty (450) square feet.
 - b. One-bedroom dwelling units: Five hundred twenty five (525) square feet.
 - c. Two or more bedroom dwelling units: Seven hundred (700) square feet.
 5. Minimum Setback Distances for all buildings, including porches and patios:

Front yard: Sixty (60) Feet.

Side and rear yards: Fifty (50) Feet.

6. Maximum Building Height: Thirty-five (35) feet.
7. Minimum Number of Parking Spaces: One (1) space for every two (2) dwelling units (includes coverage for visitors, and deliveries) and one (1) space for every two (2) employees.

b. Accessory Uses

1. Permitted accessory uses to the Assisted Living Facility Services, exclusively for the use of the residents thereof and their guests, shall be limited to the following:
 - a. twenty four (24) hour protective oversight;
 - b. care for seniors who need assistance with activities of daily living;
 - c. arranging for health-related services;
 - d. social and recreational activities;
 - e. meals, including snacks and special diets;
 - f. transportation;
 - g. housekeeping;
 - h. laundry;
 - i. emergency call systems and security shall be exclusively for the use of the residents of the assisted living facility and their guests;
 - j. emergency call systems;
 - k. security; and,
 - l. convenience retail shop with a maximum of 1,000 (excluding storage area) square feet of floor area for the sale of food items, prescription and/or nonprescription drugs, household items and gifts for the use of the occupants.
 - m. Storage buildings for maintenance equipment for the subject site.

c. The following residency requirements shall apply:

1. Occupancy of dwelling units shall be for persons at least sixty-two (62) years of age and in the case of multiple occupancy of a dwelling unit, one (1) person shall be at least sixty-two (62) years of age and all others shall be fifty-five (55) years or older.
2. The owner(s) management company of each assisted living facility shall, on an annual basis, if requested to do so, present a report to the Zoning Enforcement Officer certifying as to compliance with the above age restriction requirement, by disclosing the number of dwelling units being occupied by persons at least sixty-two (62) years of age.

d. The following miscellaneous requirements shall apply:

1. The site shall be serviced in full by public sewer and public water supply.
2. No assisted living facility shall be either partially or totally converted to a Planned Residential Development.
3. continuing care retirement community (Section 9-1.11).
4. Each dwelling unit shall have an emergency call/intercom system connected to a central station staffed twenty-four (24) hours per day.
5. Outdoor recreational amenities including but not limited landscaped walking trails and community flower and/or vegetable gardens, shall be provided to the satisfaction of the Commission.
6. Buffer/screening shall be provided at abutting residential locations to the satisfaction of the Commission.
7. All signs shall be located on the site development plan and shall be described as to location, dimension, height, materials, and purpose.
8. Outdoor lighting shall be provided to insure proper and safe illumination of driveways and parking areas. The type and location of such outdoor lighting shall be as approved by the Commission.
9. Solid waste disposal: Any solid waste stations or dumpsters shall be placed on a concrete pad designed to Town specifications, appropriately screened, maintained, and shown on the site development plan.
10. Each dwelling unit shall include a bathroom with at least one (1) toilet, one (1) sink, and one (1) shower all handicapped accessible.
11. Each dwelling unit shall include a mini-kitchen or kitchenette consisting of at least a refrigerator and microwave oven.



May 20, 1998

TOWN OF ENFIELD

CERTIFIED MAIL Z392 898 405

Karen Johnson
Sprint PCS
9 Barnes Industrial Rd South
Wallingford, CT 06492

Dear Ms. Johnson:

At the May 19, 1998 Regular Meeting of the Enfield Conservation Commission (Inland Wetland and Watercourses Agency), the following action was taken:

IW 273 - Application of Sprint PCS (Telecommunications) requesting a permit or regulated activities associated with the erection of a telecommunications tower accesses from Brightmeadow Boulevard.

The Commission approved the application with the following conditions:

1. The permittee shall notify the Planning Department at 253-6358 immediately upon the commencement of work and upon its completion.
2. If the authorized activity has not been initiated before May 19, 2000, this permit shall be null and void if not previously revoked or specifically extended. The duration of the permit once initiated shall be 5 years from the date of approval.
3. All work and all regulated activities conducted pursuant to this authorization shall be consistent with these terms and conditions of this permit. Any structures, excavation, fill, obstruction, encroachments or regulated activities not specifically identified and authorized herein shall constitute a violation of this permit and may result in its modification, suspension, or revocation. Upon initiation of the activities authorized herein, the permittee thereby accepts and agrees to comply with the terms and conditions of this permit.
4. The authorization is not transferable without the written consent of the Enfield Conservation Commission.
5. In evaluating this application, the Commission has relied on information provided by the applicant and, if such information subsequently proves to be false, deceptive, incomplete and/or inaccurate this permit shall be modified, suspended or revoked.

820 Enfield Street/Enfield, Connecticut 06082/(860) 253-6300

May 20, 1998

6. This permittee shall employ best management practices, consistent with the terms and conditions of the permit, to control stormwater discharges and to prevent erosion and sedimentation and to otherwise prevent pollution of wetlands or watercourses. For information and technical assistance, contact the Town Planner. The permittee shall immediately inform the Planning Department of any problems involving wetlands or watercourses which have developed in the course of, or which are caused by, the authorized work.
7. No equipment or material including without limitation, fill, construction materials, or debris, shall be deposited, placed, or stored in any wetland or watercourse on or off site unless specifically authorized by this permit.
8. This permit is subject to and does not derogate any present or future property rights or other rights or powers of the Town of Enfield, and conveys no property rights or in real estate of material nor any exclusive privileges, and is further subject to any and all public and private rights and to any activity affected hereby.
9. Timely implementation and maintenance of sediment and erosion control measures are a condition of this permit. (All sediment and erosion control measures must be maintained until all disturbed areas are stabilized.)
10. A pre-construction meeting shall be held prior to the commencement of any construction activities on the site with the applicant, contractor, and Town staff.
11. A landscape/performance bond shall be posted prior to any clearing of the site.

If you have any questions regarding this action, please contact me at (860)253-6358.

Very truly yours,



Laurie P. Whitten
Assistant Town Planner

LPW/vch

Exhibit B

Property Card

3 BRIGHT MEADOW BLVD

Location 3 BRIGHT MEADOW BLVD

Mblu 035/ / 0219/ /

Acct# 048700010005

Owner CONN LIGHT + POWER COMPANY

Assessment \$485,710

Appraisal \$693,860

PID 11009

Building Count 1

Fire District 4

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2020	\$419,280	\$274,580	\$693,860
Assessment			
Valuation Year	Improvements	Land	Total
2020	\$293,500	\$192,210	\$485,710

Owner of Record

Owner	CONN LIGHT + POWER COMPANY	Sale Price	\$0
Co-Owner		Certificate	1
Address	PO BOX 270 HARTFORD, CT 06140-0270	Book & Page	0237/0455
		Sale Date	

Ownership History

Ownership History				
Owner	Sale Price	Certificate	Book & Page	Sale Date
CONN LIGHT + POWER COMPANY	\$0	1	0237/0455	

Building Information

Building 1 : Section 1

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

Replacement Cost
Less Depreciation: \$0

Building Attributes	
Field	Description
Style	Outbuildings
Model	
Grade:	
Stories	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Full Bthrms:	
Half Baths:	
Extra Fixtures	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Extra Kitchens	
Fireplace(s)	
Extra Opening(s)	
Gas Fireplace(s)	
Blocked FPL(s)	
Bsmt Garage(s)	
Fin Bsmt	
FBM Quality	
Whirlpool(s)	
Sauna	
Walk Out	
Solar	
Fndtn Cndtn	
Basement	

Building Photo



(http://images.vgsi.com/photos2/EnfieldCTPhotos//00\02\72\14.JPG)

Building Layout

Building Layout (ParcelSketch.ashx?pid=11009&bid=11009)

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

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use	Land Line Valuation
Use Code300	Size (Acres)12.61
DescriptionInd Land	Frontage
ZoneBR	Depth
Neighborhood	Assessed Value\$192,210
Alt Land ApprNo	Appraised Value\$274,580
Category	

Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
FN2	FENCE-6' CHAIN			400.00 L.F.	\$3,400	1
MSC1	CMEQ			360.00 UNIT	\$13,500	1
MSC1	CMEQ			240.00 UNIT	\$9,000	1
MSC1	CMEQ			240.00 UNIT	\$9,000	1
TWR3	Cell Twr3 Carriers			1.00 UNITS	\$384,380	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2020	\$419,280	\$274,580	\$693,860
2019	\$419,280	\$274,580	\$693,860
2018	\$419,280	\$274,580	\$693,860

Assessment			
Valuation Year	Improvements	Land	Total
2020	\$293,500	\$192,210	\$485,710
2019	\$293,500	\$192,210	\$485,710
2018	\$293,500	\$192,210	\$485,710

3 BRIGHT MEADOW BLVD

REM_AGCT_N: 48700010005
LOCATION: 3 BRIGHT MEADOW BLVD
SLH_OWN_NA: CONN LIGHT + POWER COMPANY
SLH_CO_OWN:
SLH_OWN_AD: PO BOX 270
CSZ: HARTFORD, CT 06140-0270
REM_PID: 11009

OWNER

ASSESSMENT

SALES

LINKS

ADD TO SELECTION

GET ABUTTERS

Exhibit C

Construction Drawings



VERIZON SITE NUMBER: 324433
VERIZON SITE NAME: N THOMPSONVILLE CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 147-6"

BUSINESS UNIT #: 876348
SITE ADDRESS: 1 BRIGHT MEADOW BOULEVARD
ENFIELD, CT 06082
COUNTY: HARTFORD
JURISDICTION: CITY OF ENFIELD

VERIZON FUZE PROJECT #: 16231985

verizon

20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CC CROWN CASTLE

1500 CORPORATE DRIVE
CANONSBURG, PA 15317

INFINIGY

FROM ZERO TO INFINIGY
the solutions are endless

BELLEVUE, WA 98004

VERIZON SITE NUMBER:
324433

BU #: 876348
ENFIELD

1 BRIGHT MEADOW
BOULEVARD
ENFIELD, CT 06082

EXISTING 147-6" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/01/21	RCD	FINAL	--

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

SHEET NUMBER:
T-1

REVISION:
0

SITE INFORMATION	
CROWN CASTLE USA INC. SITE NAME:	ENFIELD
SITE ADDRESS:	1 BRIGHT MEADOW BOULEVARD ENFIELD, CT 06082
COUNTY:	HARTFORD
MAP/PARCEL #:	VERIFY
AREA OF CONSTRUCTION:	EXISTING
LATTITUDE:	42° 01' 15.04" N (42.020846°)
LONGITUDE:	72° 35' 07.01" W (-72.585283°)
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	108'
CURRENT ZONING:	N/A
JURISDICTION:	CITY OF ENFIELD
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	TBD
	--
TOWER OWNER:	CCATT LLC 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 180 WASHINGTON VALLEY ROAD BEDMINSTER, NJ 07921
ELECTRIC PROVIDER:	TBD
	--
TELCO PROVIDER:	TBD
	--

PROJECT TEAM	
A&E FIRM:	CROWN CASTLE USA INC. 2000 CORPORATE DRIVE CANONSBURG, PA 15317 CROWNAE.APPROVAL@CROWNCASTLE.COM
CROWN CASTLE USA INC. DISTRICT CONTACTS:	1500 CORPORATE DRIVE CANONSBURG, PA 15317 TBD - PROJECT MANAGER -- TBD - CONSTRUCTION MANAGER --
VERIZON CONTACT:	SABRINA LANCASTER SABRINA.LANCASTER@VERIZONWIRELESS.COM

DRAWING INDEX	
SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN
C-2	TOWER ELEVATION & ANTENNA PLANS
C-3	EQUIPMENT SCHEDULES
C-4	EQUIPMENT DETAILS
C-5	EQUIPMENT DETAILS
C-6	PLUMBING DIAGRAM
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS
ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 11X17. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.	

APPROVALS	
SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS	
PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR	
PROJECT NUMBER	----
VzW LOCATION CODE (PSLC)	----
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT	

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

LOCATION MAP

DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (16 HAZARD AVE, ENFIELD, CT 06082) DEPART AND HEAD (EAST), TURN RIGHT, D'ANGELO GRILLED SANDWICHES ON THE CORNER, TURN LEFT, TURN LEFT, TURN LEFT ONTO CT-190 / HAZARD AVE, TAKE THE RAMP ON THE RIGHT FOR I-91 NORTH AND HEAD TOWARD SPRINGFIELD, TURN RIGHT ONTO US-5 S / ENFIELD ST TOWARD BAY PATH COLLEGE / LONG MEADOW MASS, TURN RIGHT ONTO BRIGHT MEADOW BLVD, TURN LEFT ONTO BRIGHT MEADOW BLVD, TURN RIGHT, TURN RIGHT, ARRIVE AT 1 BRIGHT MEADOW BOULEVARD, ENFIELD, CT 06082

APPLICABLE CODES/REFERENCE DOCUMENTS

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

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

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	BY OTHERS
DATED:	
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	03/31/2021
RFDS REVISION:	TBD
DATED:	03/18/2021
ORDER ID:	552666
REVISION:	0

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

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:

- REMOVE (3) ANTENNAS
- INSTALL (6) ANTENNAS

GROUND SCOPE OF WORK:

- N/A

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

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

ELECTRICAL INSTALLATION NOTES:

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

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

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

ABBREVIATIONS:

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

APWA UNIFORM COLOR CODE:

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



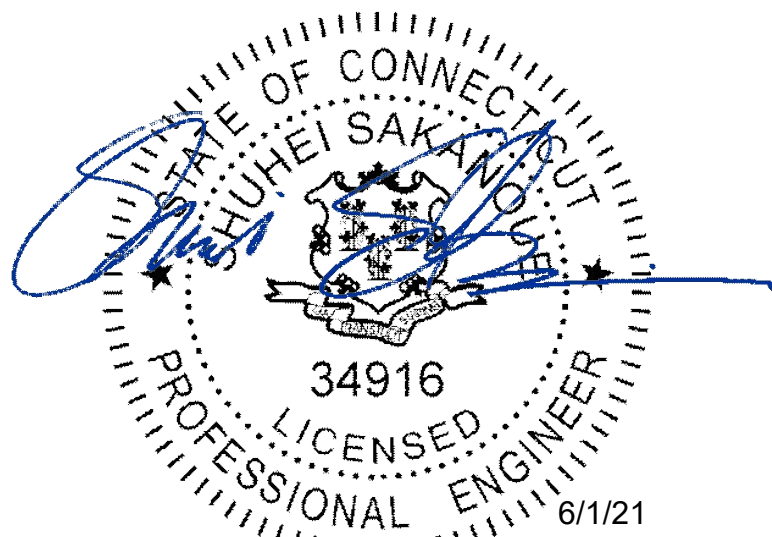
VERIZON SITE NUMBER:
324433

BU #: **876348**
ENFIELD

1 BRIGHT MEADOW
BOULEVARD
ENFIELD, CT 06082

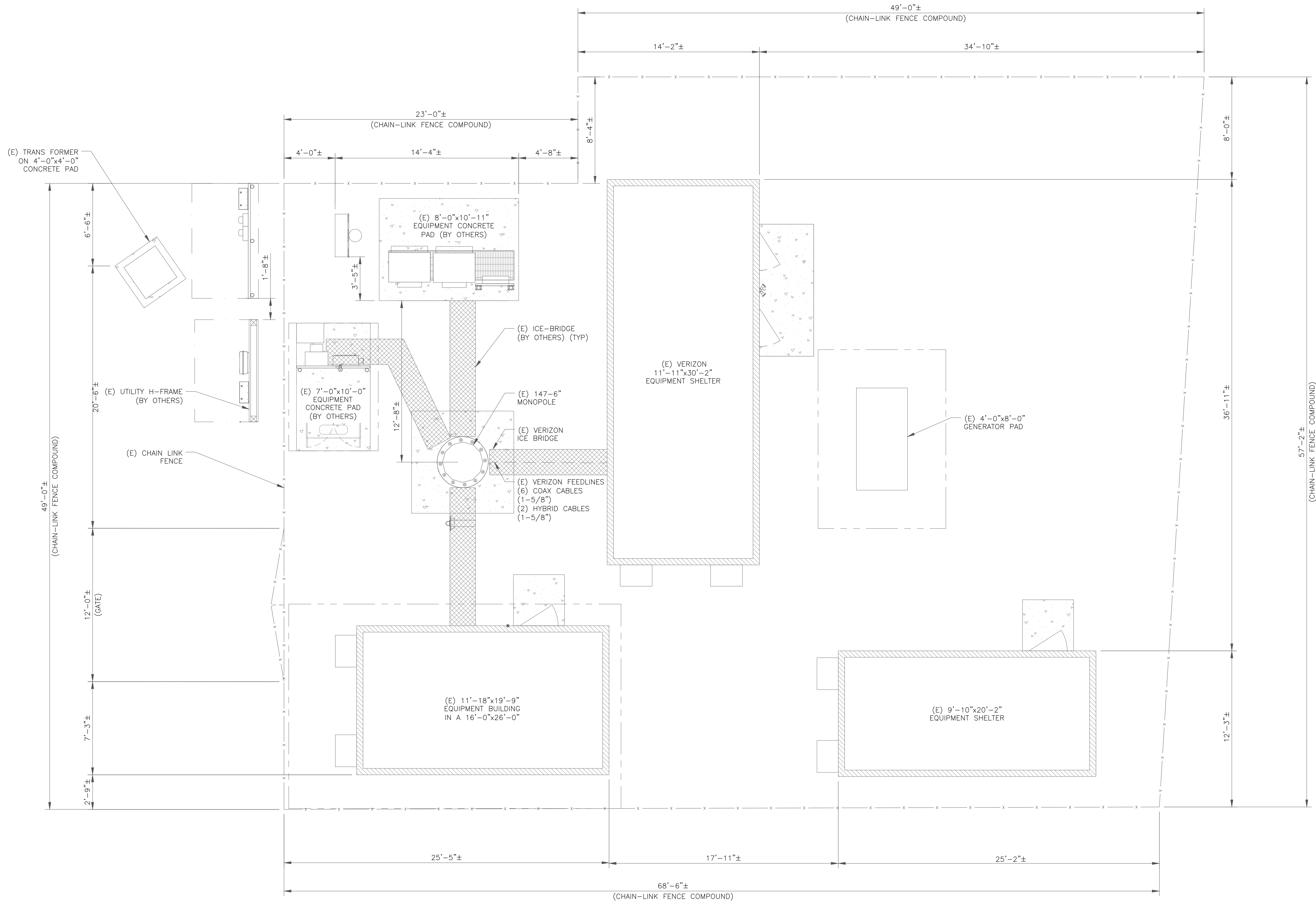
EXISTING 147-6" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/01/21	RCD	FINAL	--

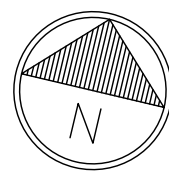


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SHEET NUMBER: **T-2** REVISION: **0**



1 SITE PLAN
SCALE: 1/4"=1'-0" (FULL SIZE)
1/8"=1'-0" (11x17)



verizon

20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

**CROWN
CASTLE**

1500 CORPORATE DRIVE
CANONSURG, PA 15317

INFINIGY

FROM ZERO TO INFINIGY
the solutions are endless

BELLEVUE, WA 98004

VERIZON SITE NUMBER:
324433

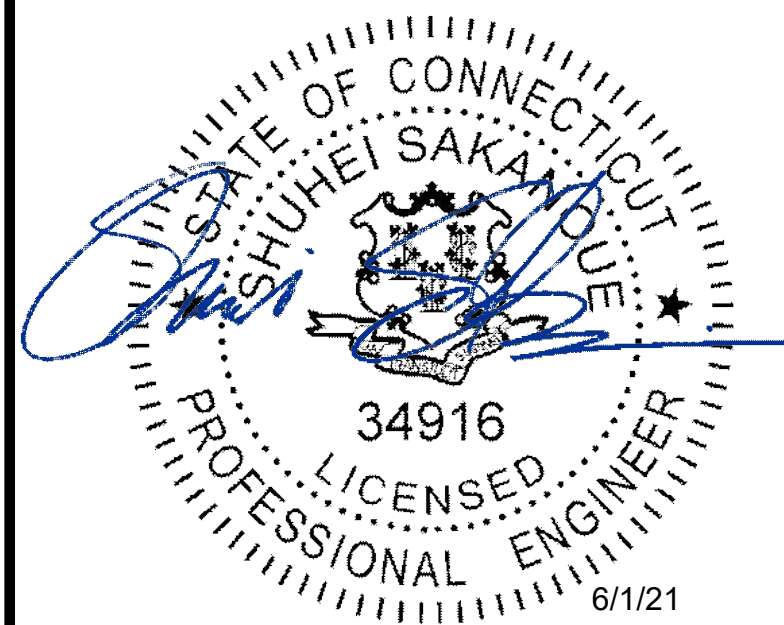
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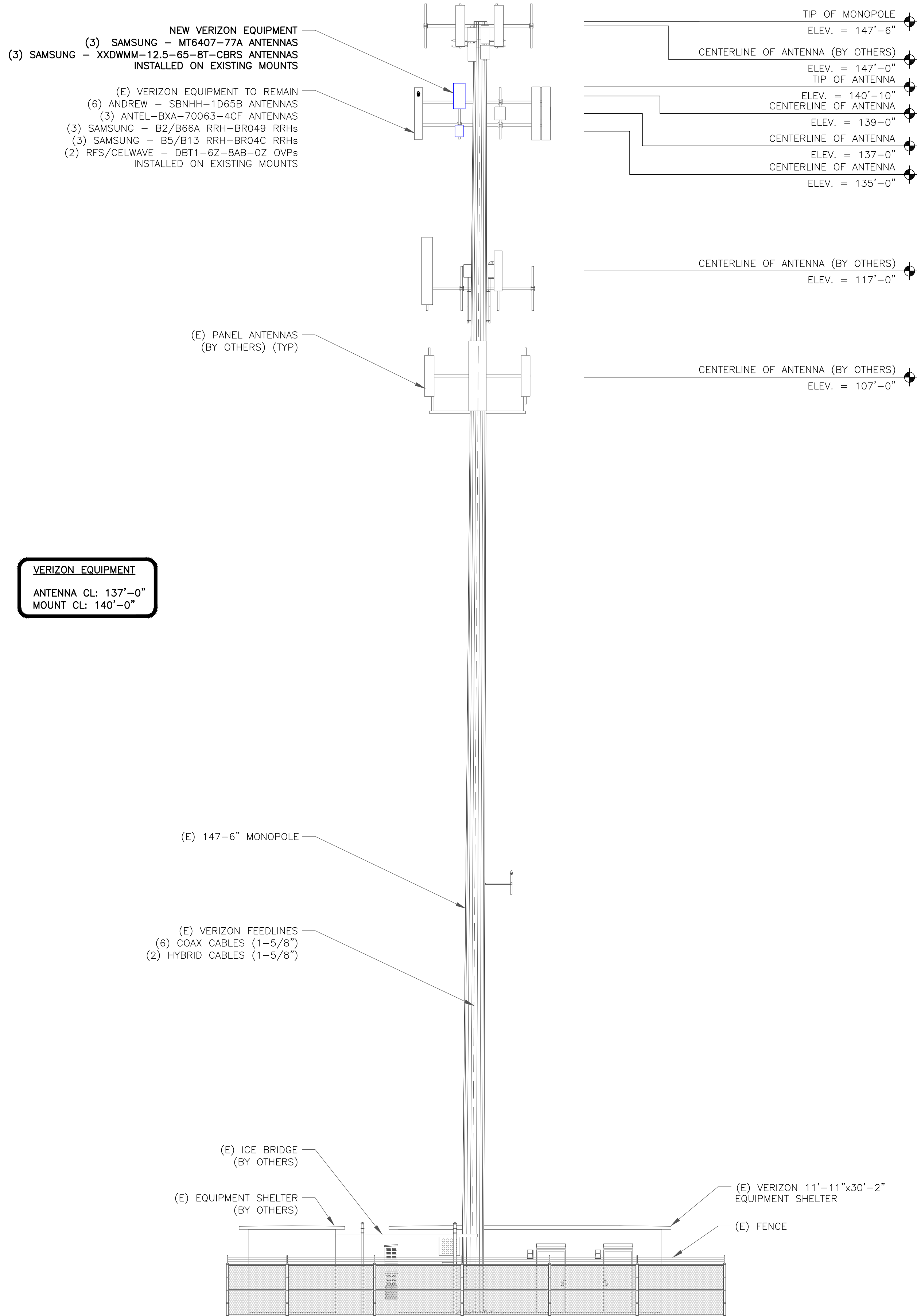
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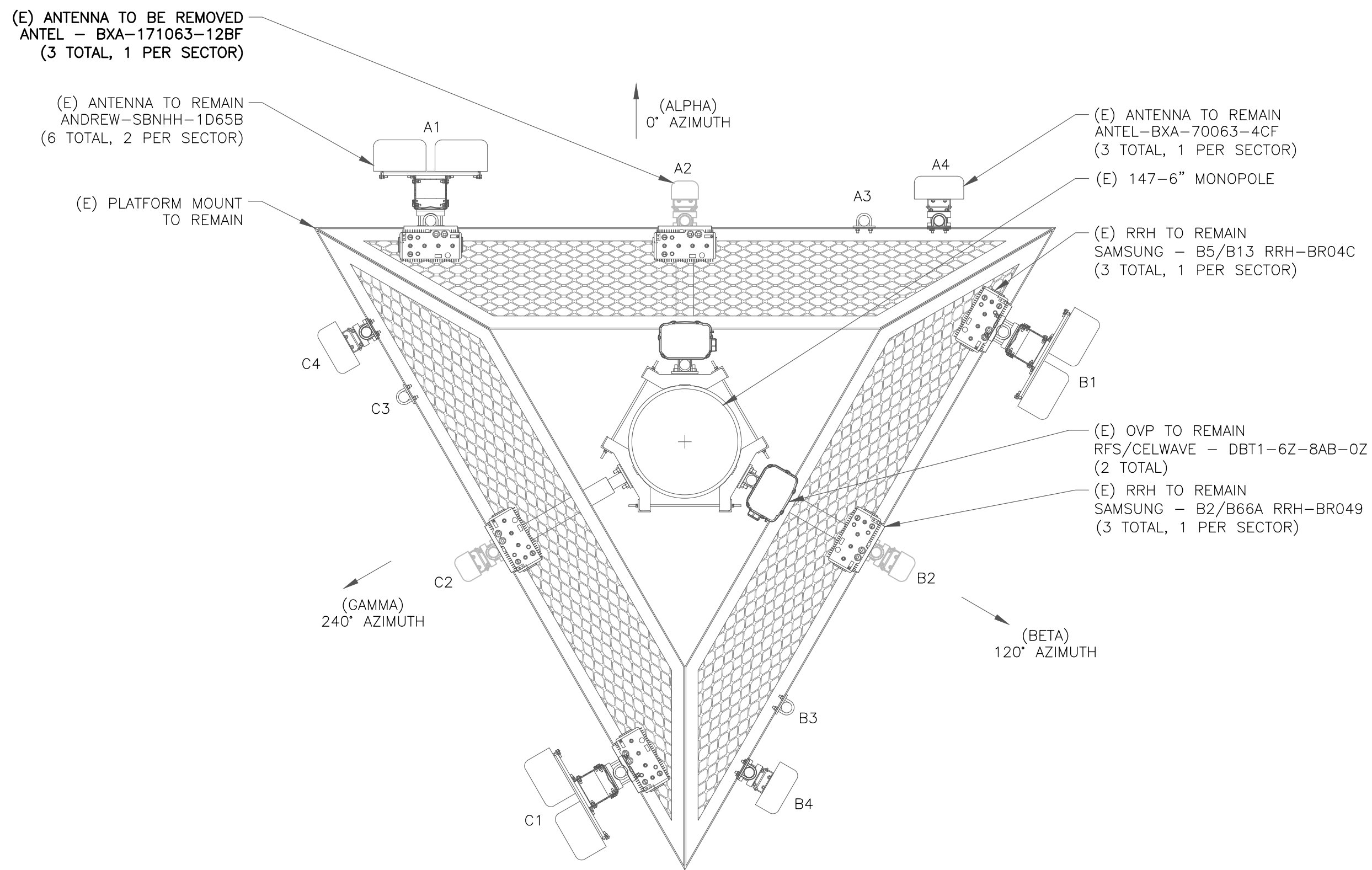
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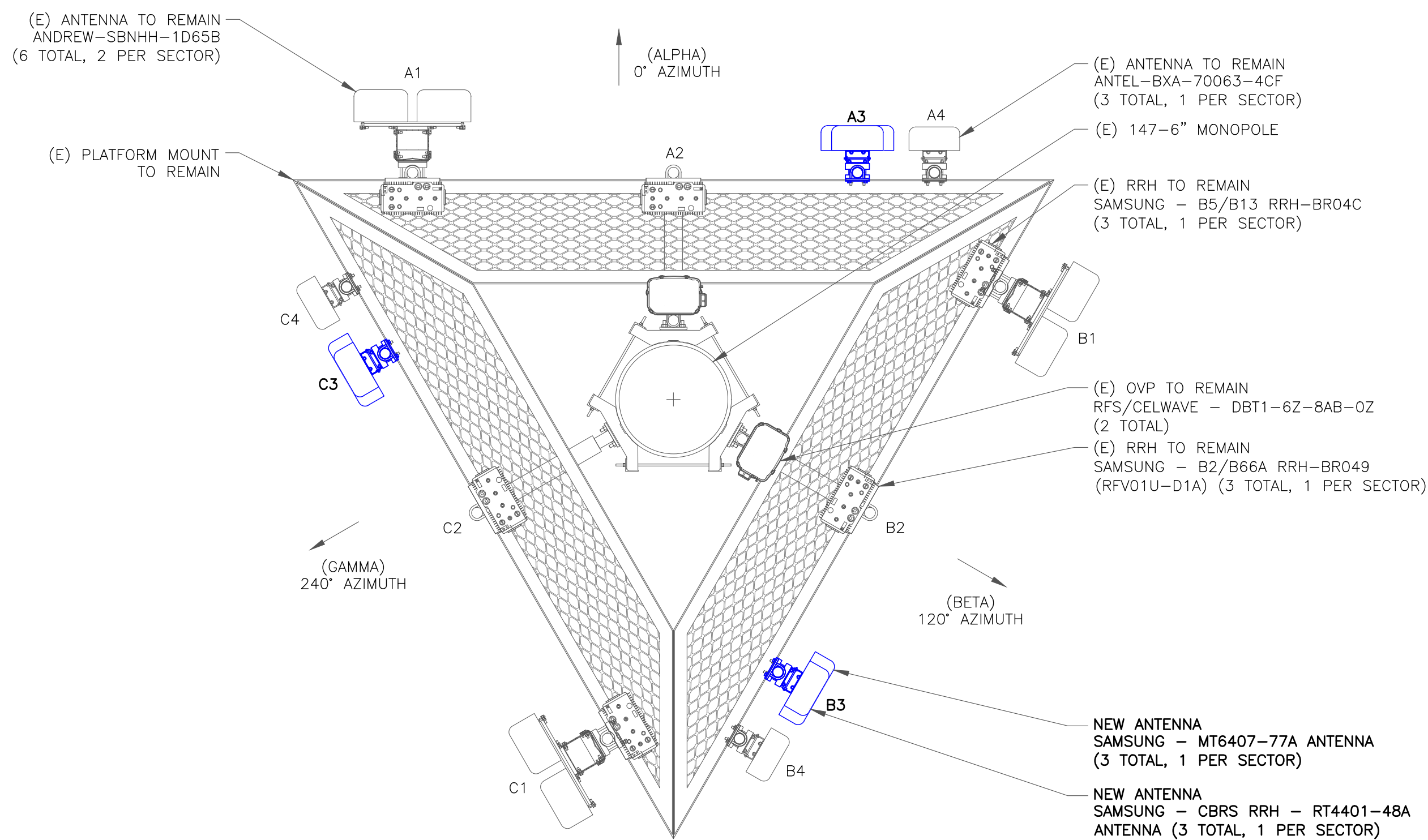
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1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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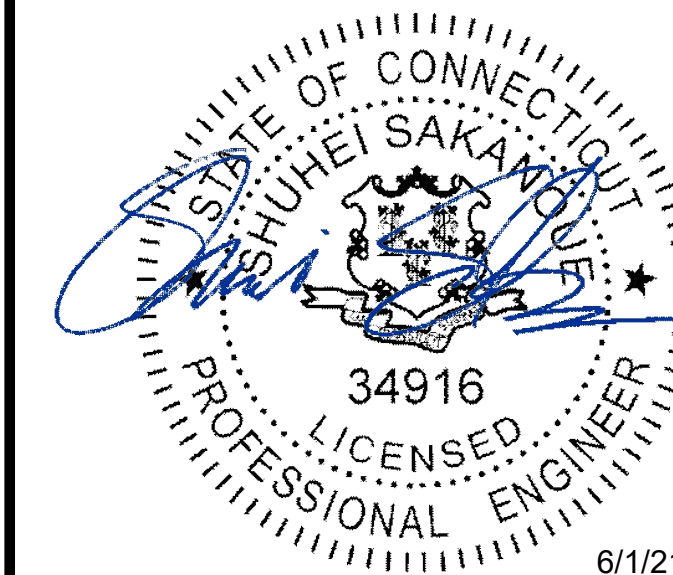
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ENFIELD, CT 06082

EXISTING 147-6" MONOPOLE

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0	06/01/21	RCD	FINAL	--



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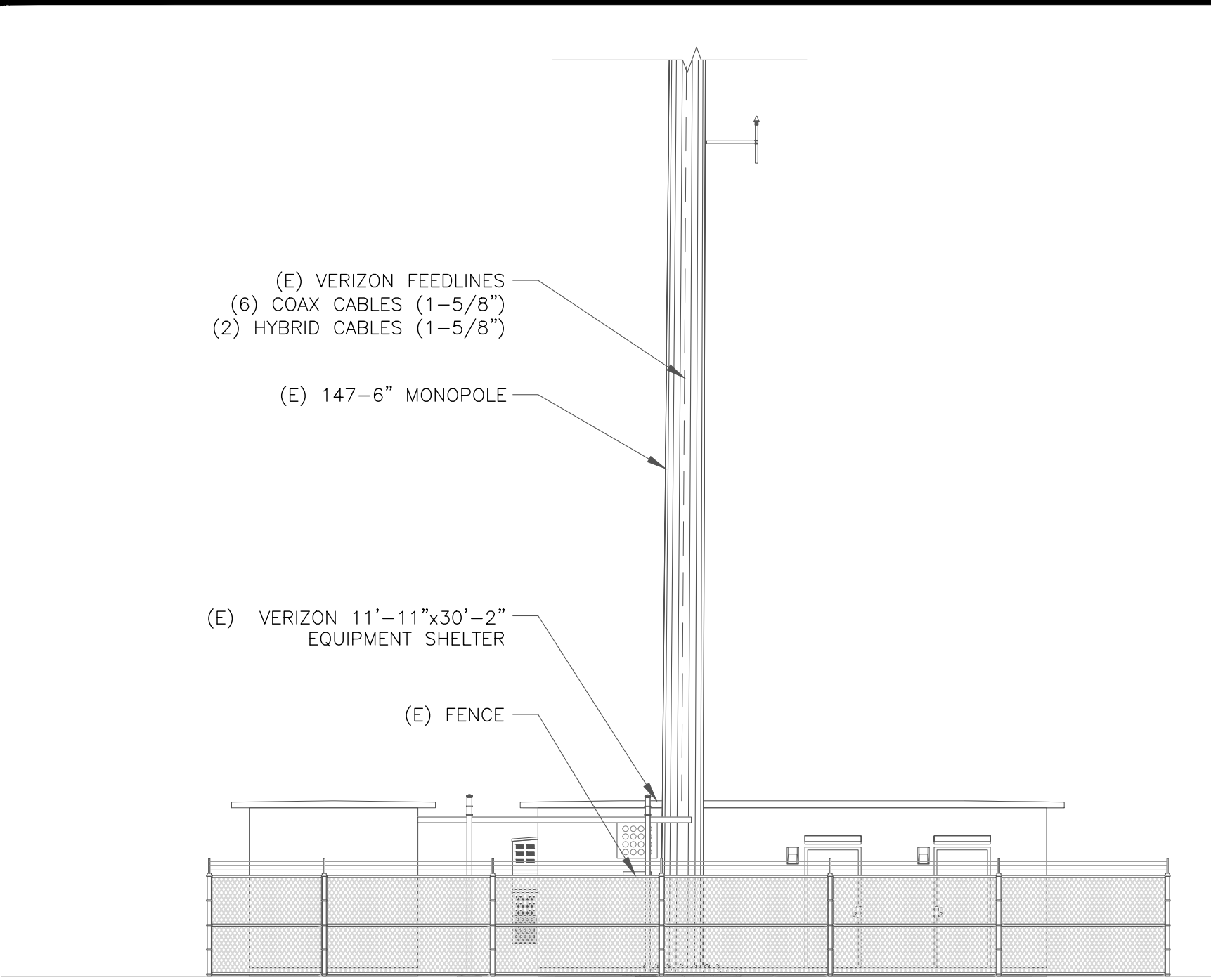
REVISION:

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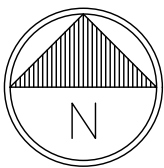
ANTENNA/RRH SCHEDULE									
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	ANDREW	(2) SBNHH-1D65B	137'-0"	0°	0°	7°/7°/4°/3°	SAMSUNG	(1) B5/B13 RRH-BR04C (1) B2/B66A RRH-BR049
A2	-	-	-	-	-	-	-	RFS/CELWAVE	(1) DB-B1-6C-12AB-0Z
A3	NEW	SAMSUNG	MT6407-77A	139'-0"	0°	0°	3°	-	-
	NEW	SAMSUNG	XXDWM-12.5-65-8TCBRS	135'-0"		0°	8°		
A4	EXISTING	ANTEL	BXA-70063-4CF	137'-0"	0°	0°	2°	SAMSUNG	-
A1	EXISTING	ANDREW	(2) SBNHH-1D65B	137'-0"	120°	0°	3°/3°/4°/2°	SAMSUNG	(1) B5/B13 RRH-BR04C (1) B2/B66A RRH-BR049
A2	-	-	-	-	-	-	-	RFS/CELWAVE	(1) DB-B1-6C-12AB-0Z
A3	NEW	SAMSUNG	MT6407-77A	139'-0"	120°	0°	3°	-	-
	NEW	SAMSUNG	XXDWM-12.5-65-8TCBRS	135'-0"		0°	8°		
A4	EXISTING	ANTEL	BXA-70063-4CF	137'-0"	120°	0°	2°	SAMSUNG	-
C1	EXISTING	ANDREW	(2) SBNHH-1D65B	137'-0"	240°	0°	3°/3°/3°/3°	SAMSUNG	(1) B5/B13 RRH-BR04C (1) B2/B66A RRH-BR049
C2	-	-	-	-	-	-	-	-	-
C3	NEW	SAMSUNG	MT6407-77A	139'-0"	240°	0°	3°	-	-
	NEW	SAMSUNG	XXDWM-12.5-65-8TCBRS	135'-0"		0°	8°		
C4	EXISTING	ANTEL	BXA-70063-4CF	137'-0"	240°	0°	4°	SAMSUNG	-

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE				
STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	HYBRID	1-5/8"	187'-0"±	2
EXISTING	HYBRID	1/2"	187'-0"±	6
TOTAL CABLE QTY:				8



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE





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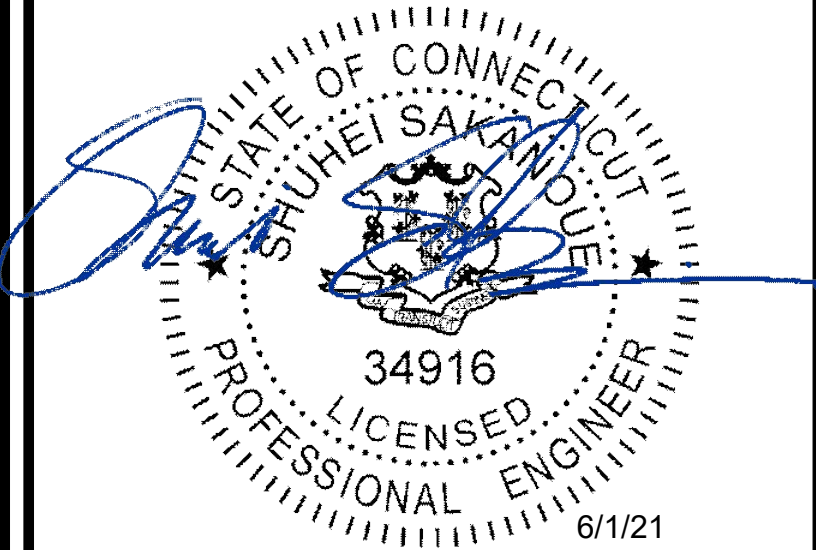
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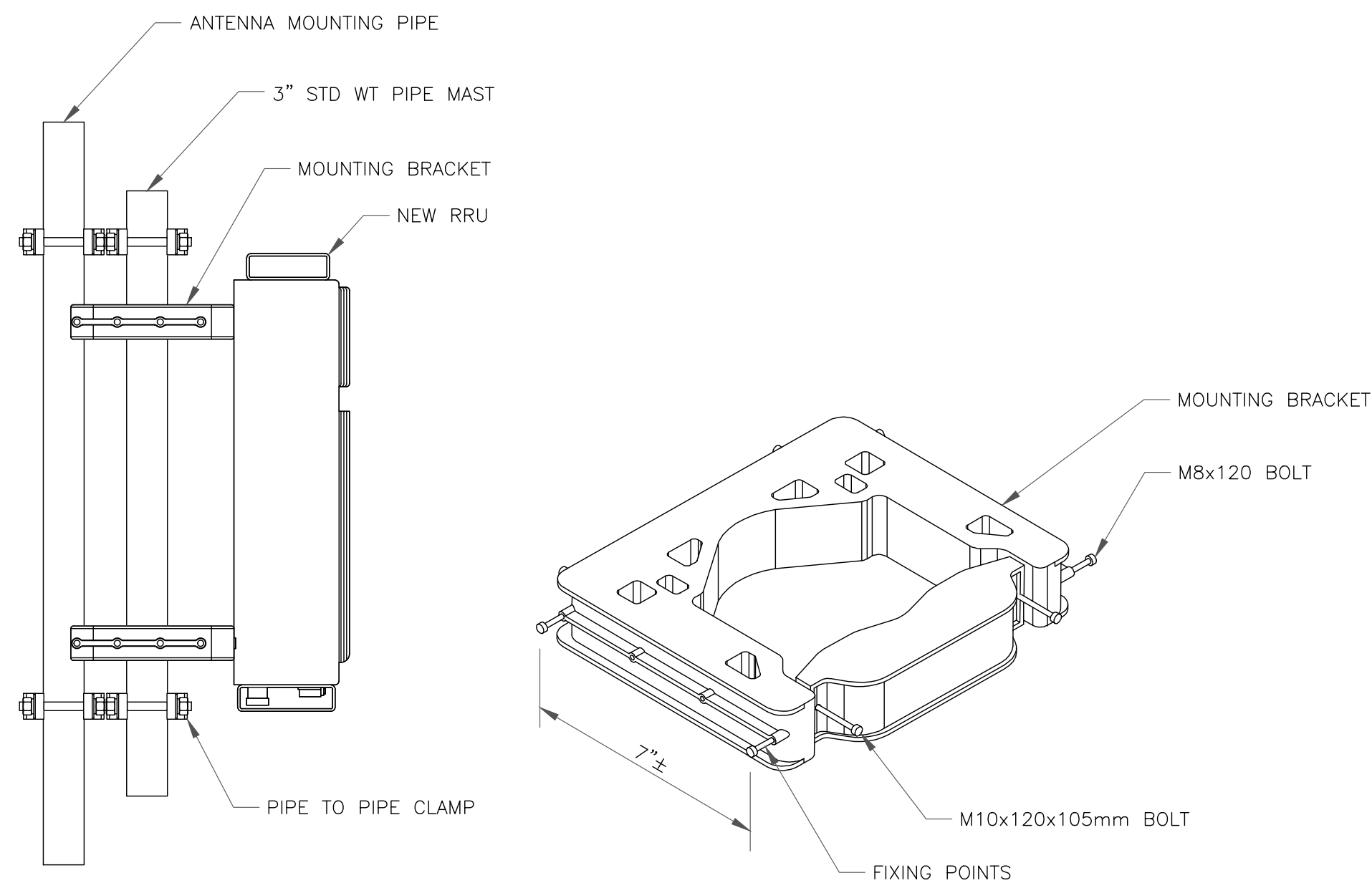
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SHEET NUMBER:
C-3

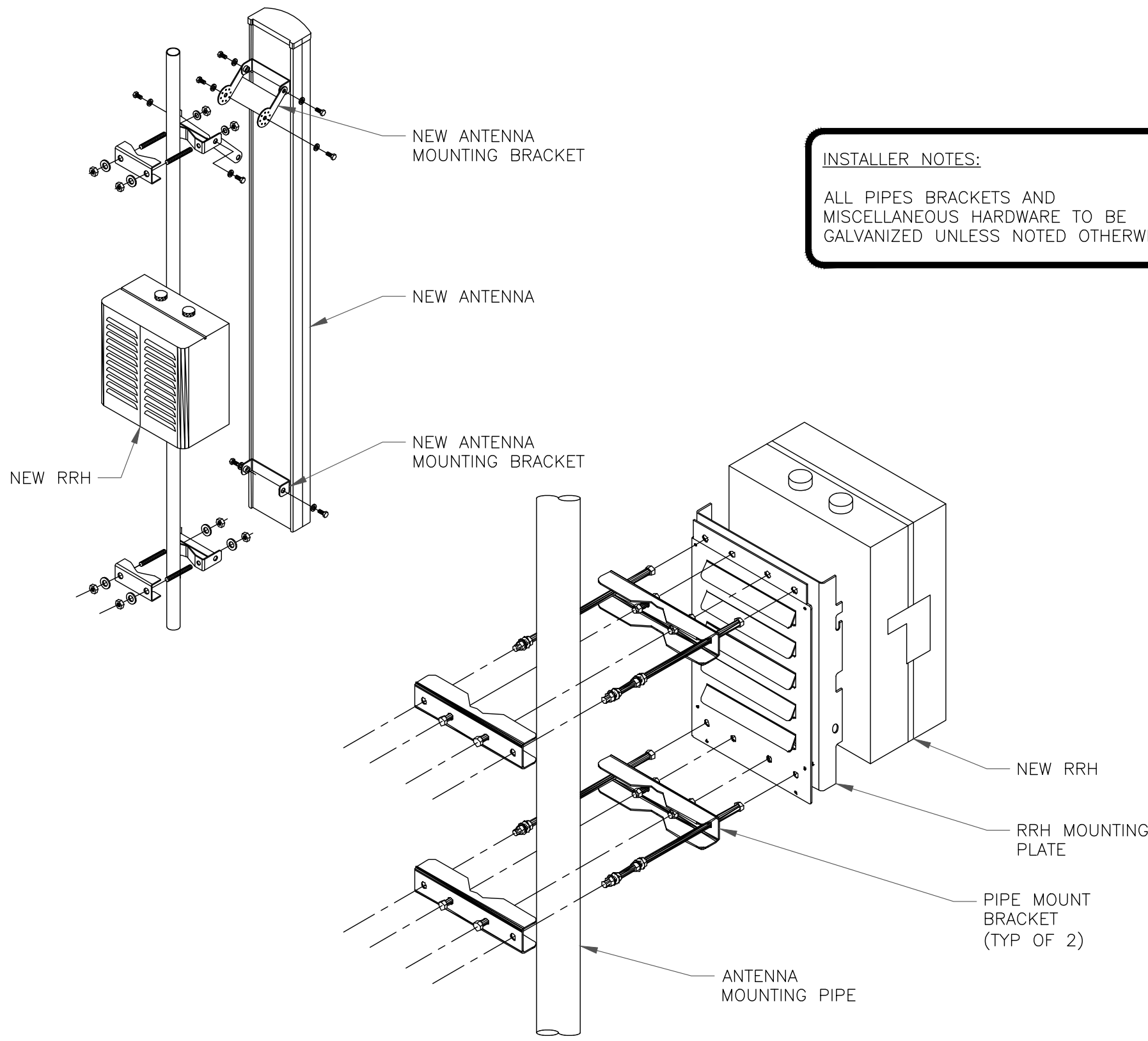
REVISION:
0

1 NOT USED
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE



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



4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE



20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492



1500 CORPORATE DRIVE
CANONSBURG, PA 15317



FROM ZERO TO INFINIGY
the solutions are endless

BELLEVUE, WA 98004

VERIZON SITE NUMBER:
324433

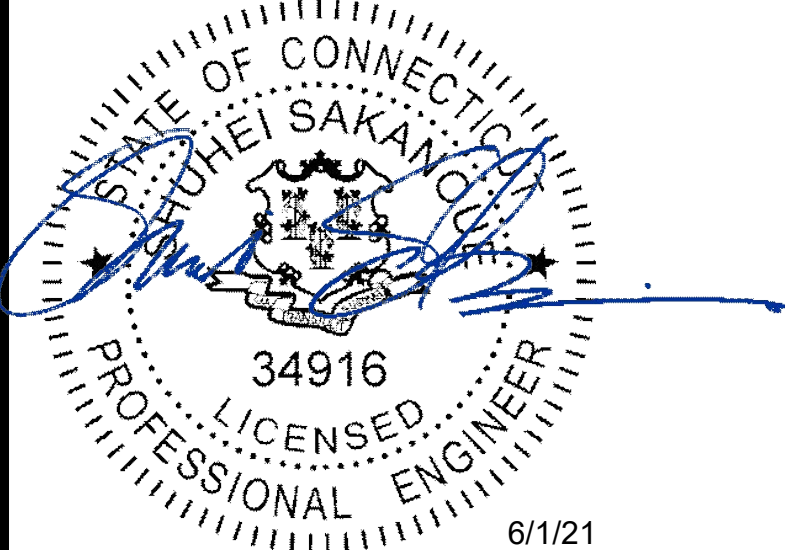
BU #: 876348
ENFIELD

1 BRIGHT MEADOW
BOULEVARD
ENFIELD, CT 06082

EXISTING 147-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/01/21	RCD	FINAL	--



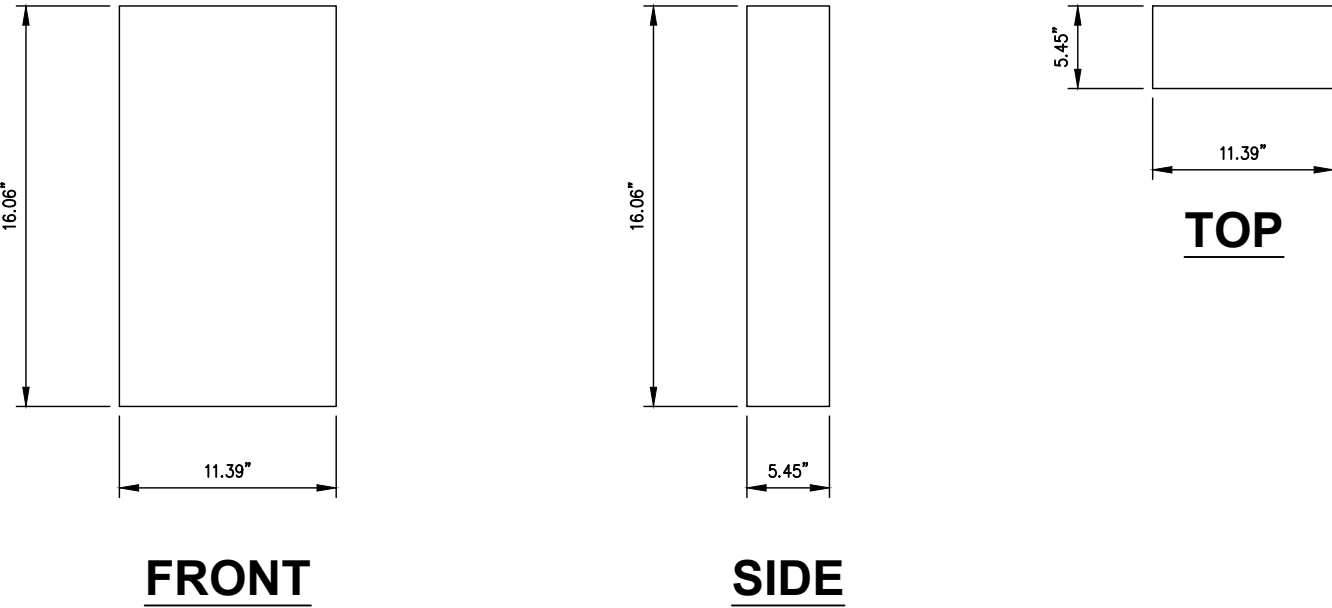
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SHEET NUMBER:
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REVISION:
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SAMSUNG PANEL ANTENNA (XXDWMM-12.5-65-8TCBRS)

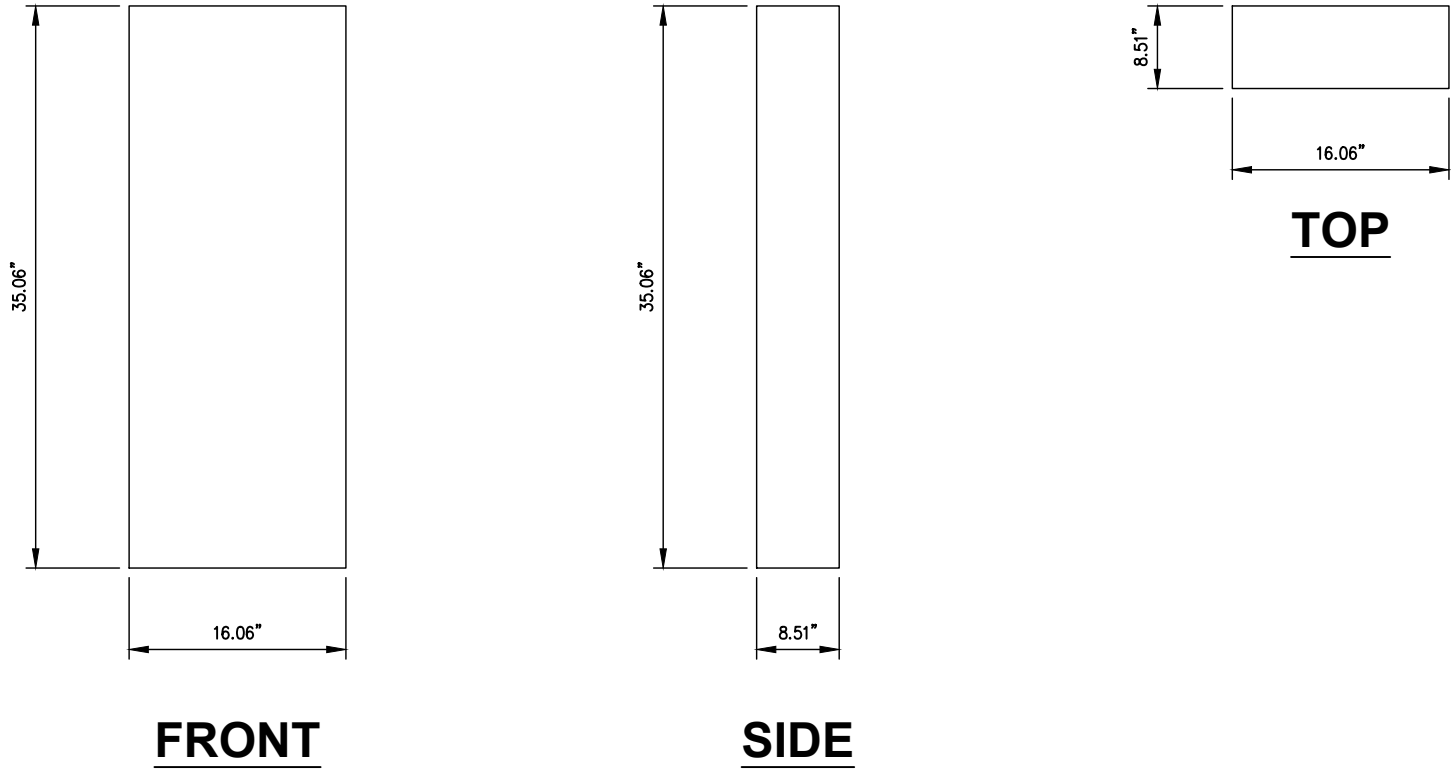
DIMENSIONS, HxWxD: 16.16"x11.39"x5.45"
WEIGHT, W/O BRACKETS: 23.14 lbs



1 SAMSUNG XXDWMM-12.5-65-8TCBRS ANTENNA DETAIL
SCALE: NOT TO SCALE

SAMSUNG PANEL ANTENNA (MT6407-77A)

DIMENSIONS, HxWxD: 35.06"x16.06"x5.51"
WEIGHT, W/O BRACKETS: 81.57 lbs



2 SANSUNG MT6407-77A ANTENNA DETAIL
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE

4 NOT USED
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE



20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492



1500 CORPORATE DRIVE
CANONSBURG, PA 15317



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the solutions are endless

BELLEVUE, WA 98004

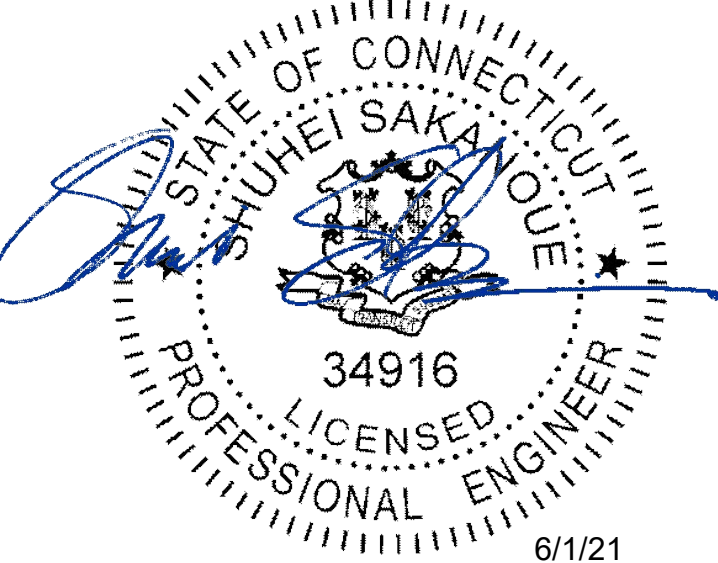
VERIZON SITE NUMBER:
324433

BU #: 876348
ENFIELD

1 BRIGHT MEADOW
BOULEVARD
ENFIELD, CT 06082

EXISTING 147-6" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/01/21	RCD	FINAL	--

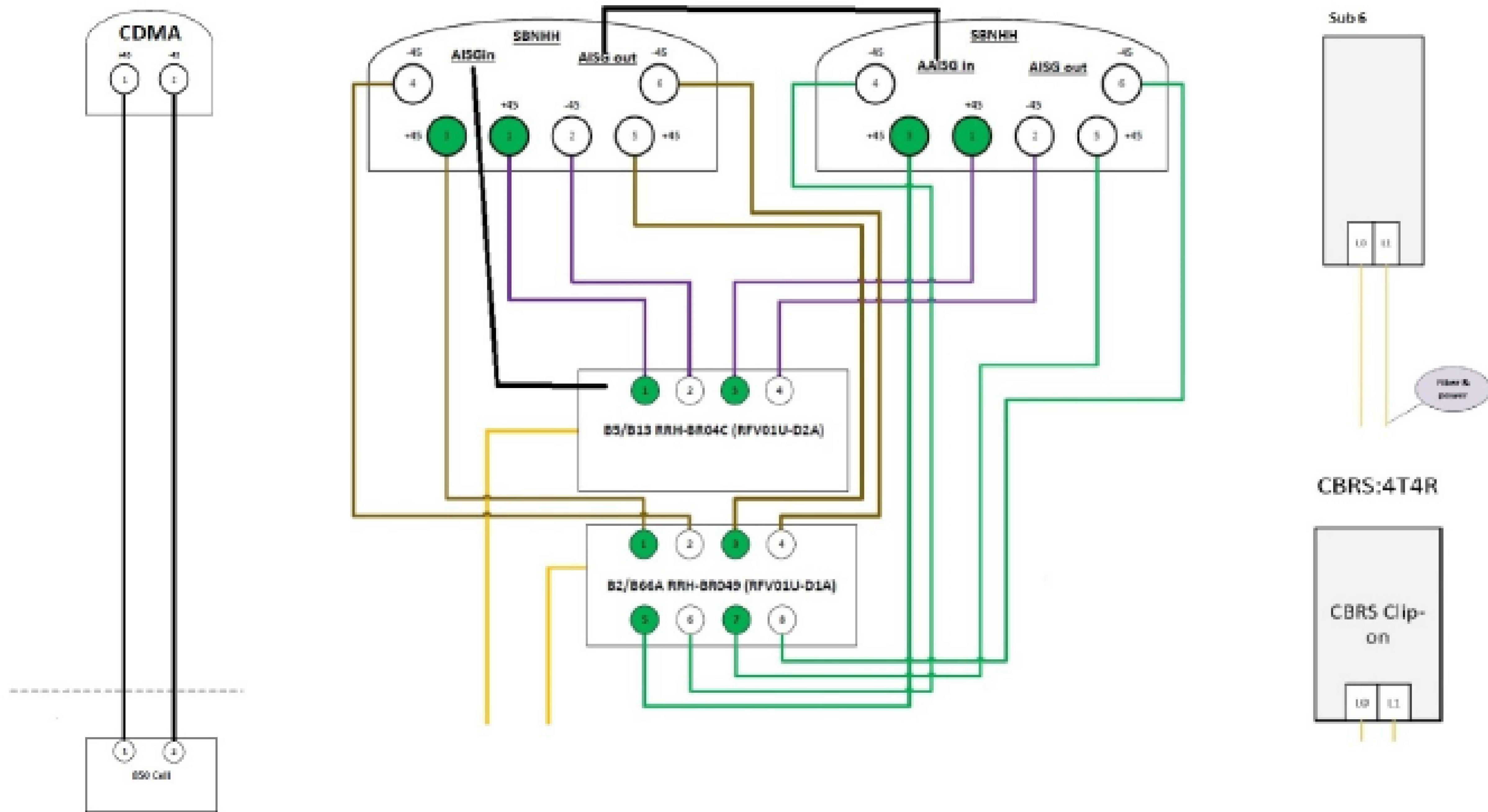


6/1/21

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SHEET NUMBER:
C-5

REVISION:
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1 PLUMBING DIAGRAM
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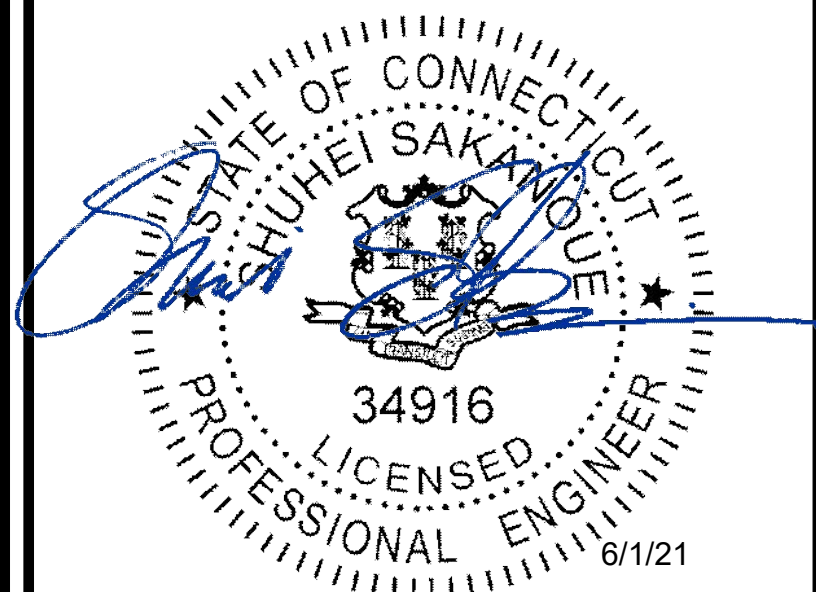
verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
1500 CORPORATE DRIVE
CANONSURG, PA 15317

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

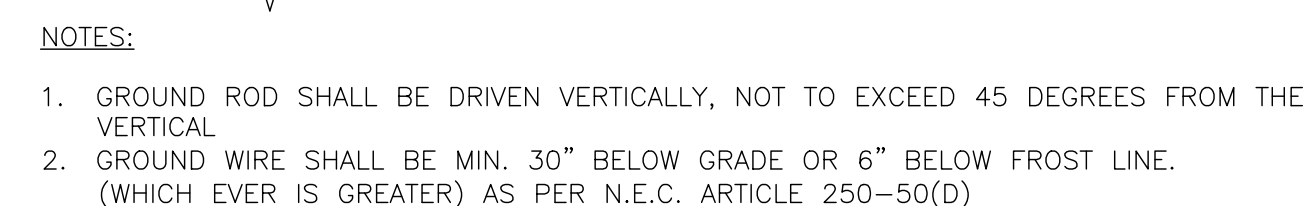
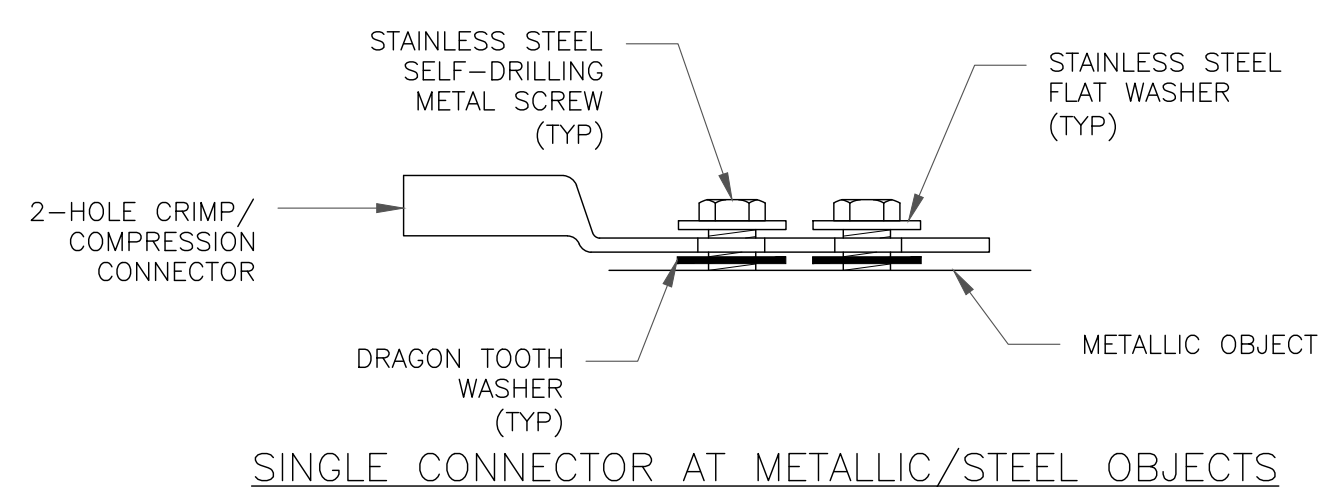
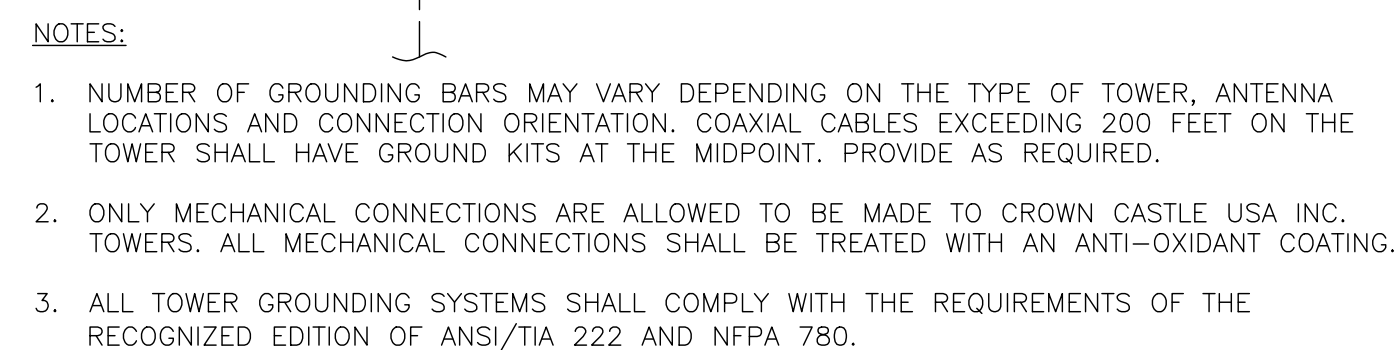
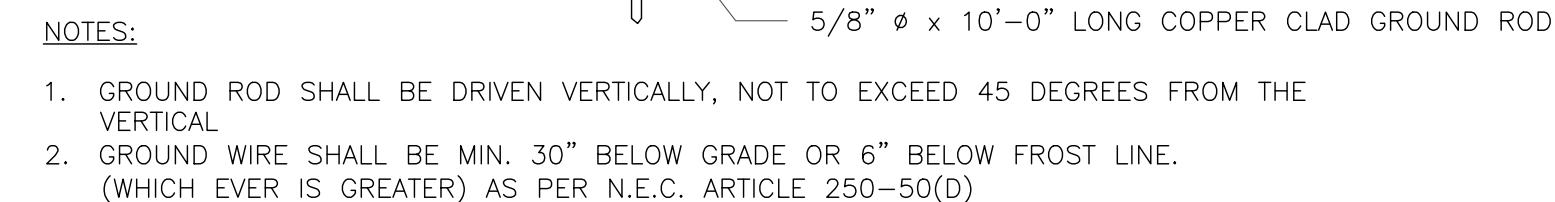
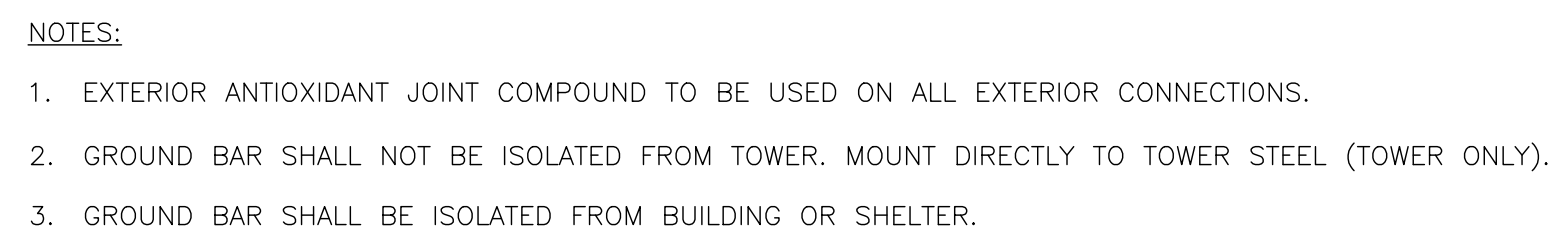
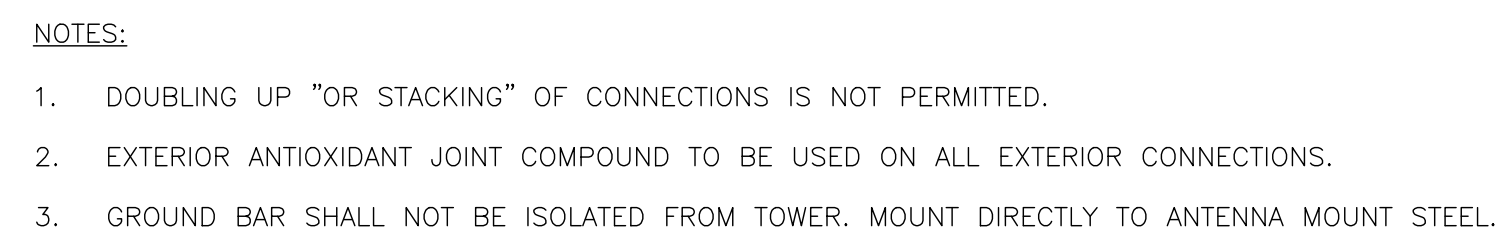
VERIZON SITE NUMBER:
324433
BU #: 876348
ENFIELD
1 BRIGHT MEADOW
BOULEVARD
ENFIELD, CT 06082
EXISTING 147-6" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/01/21	RCD	FINAL	--

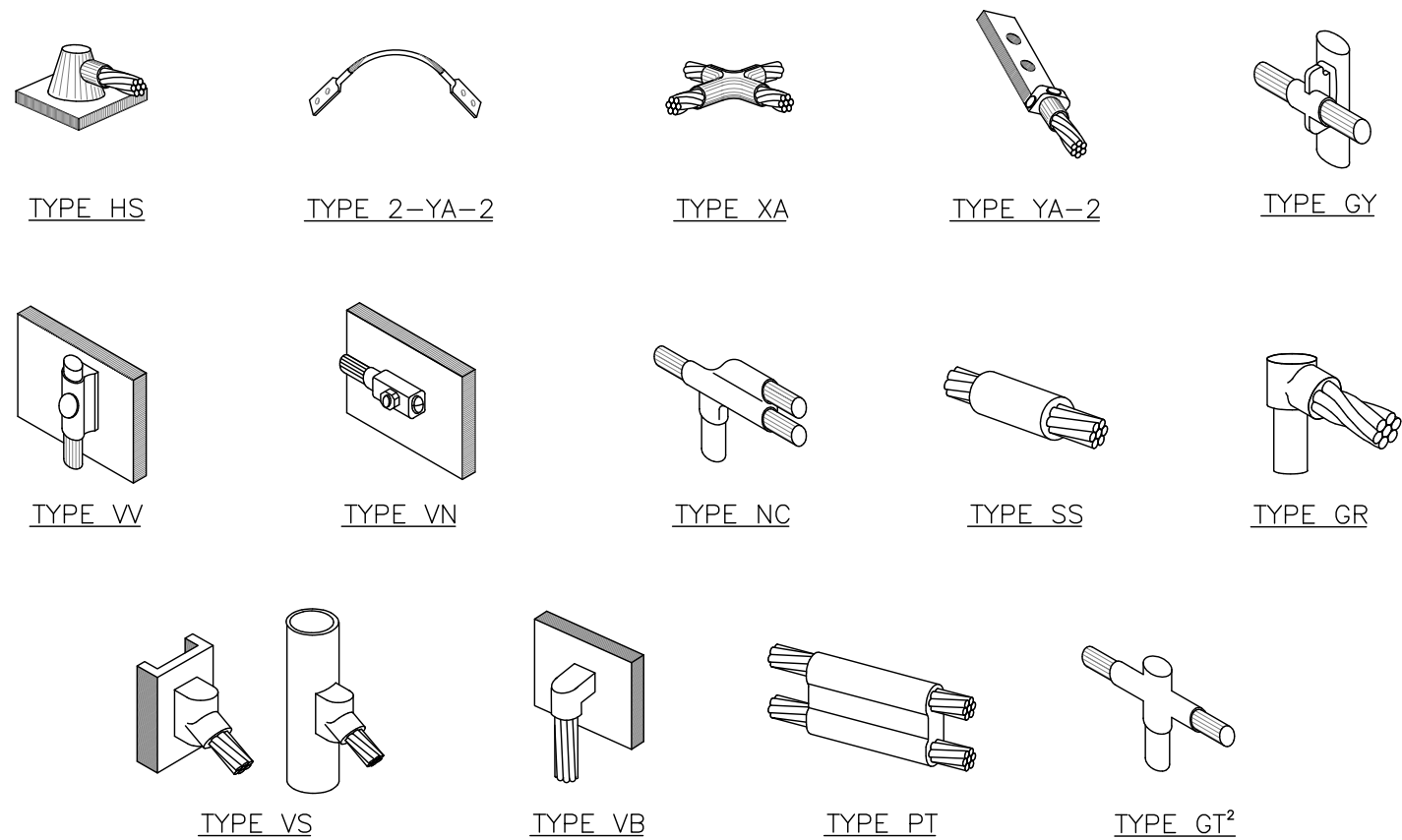


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C-6
REVISION:
0



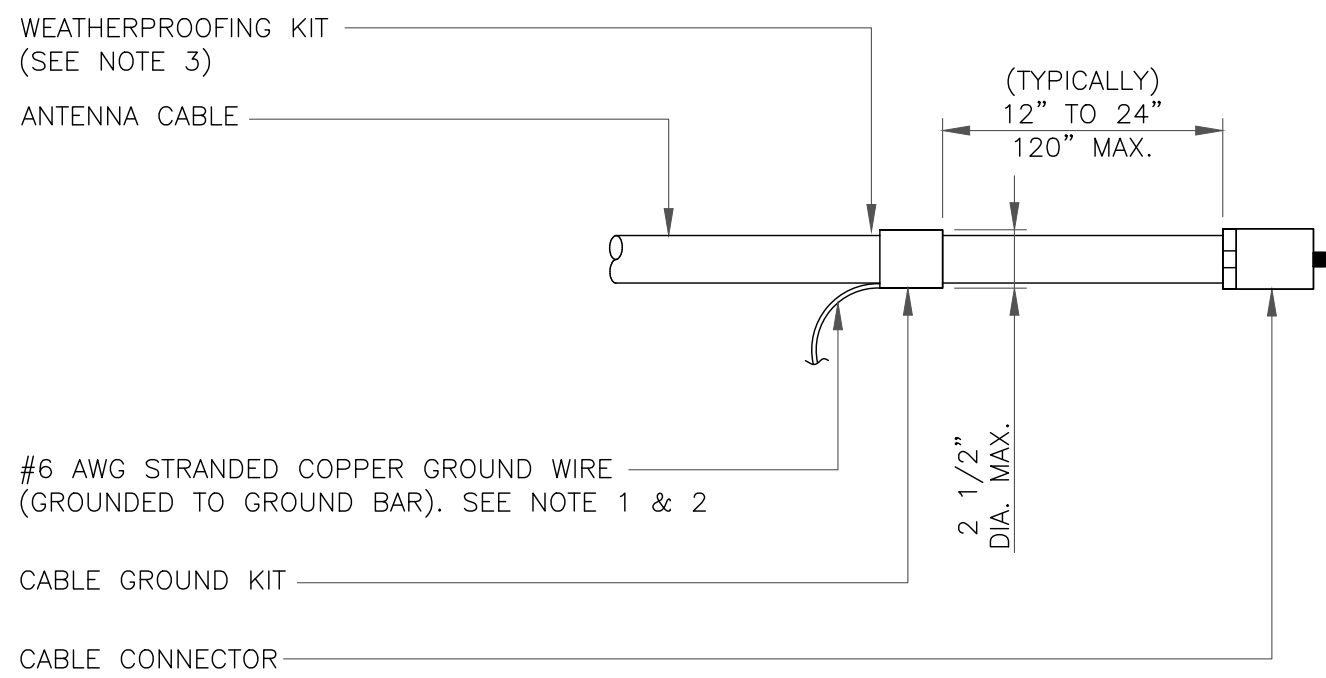
SHEET NUMBER: G-1	REVISION: 0
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NOTE:

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

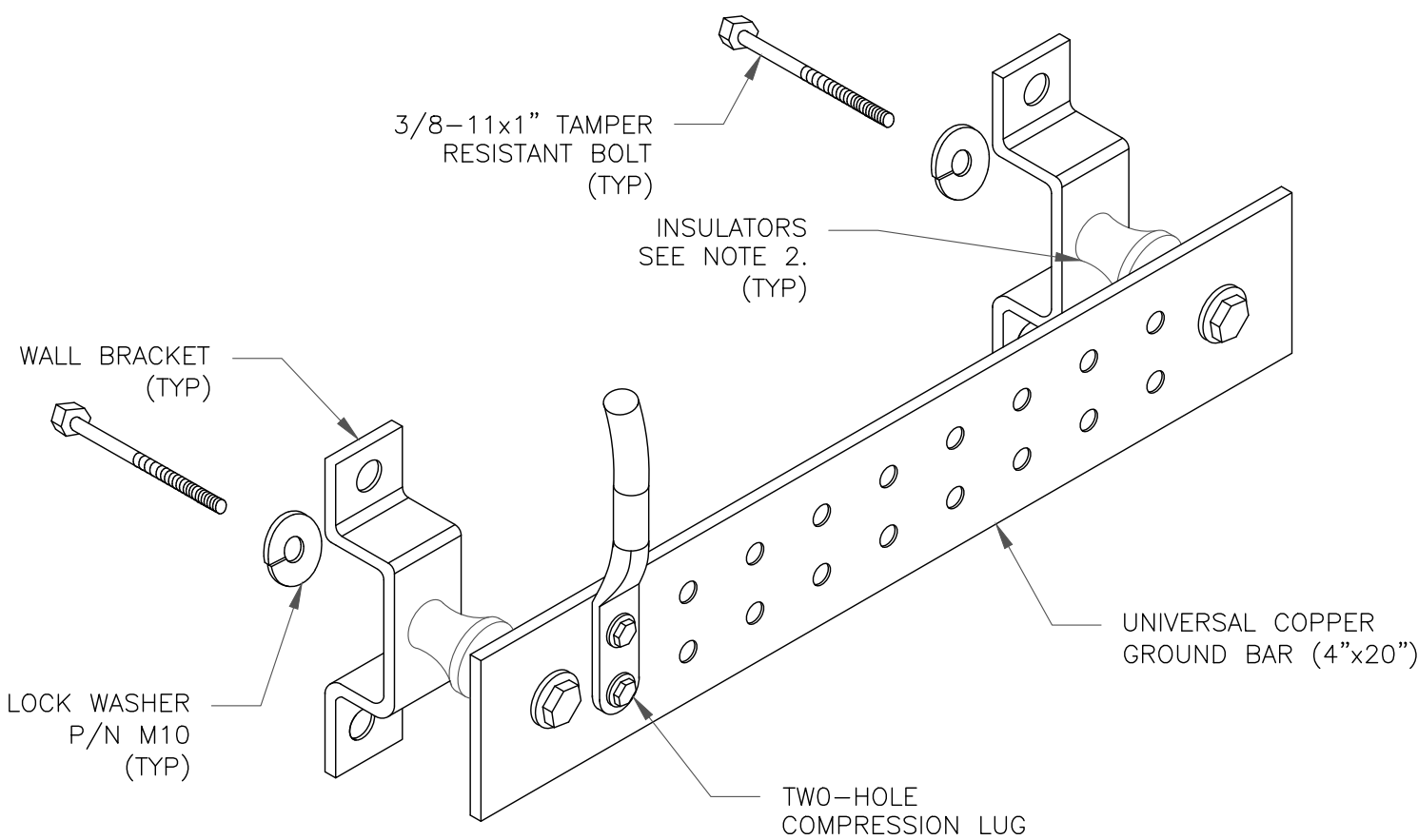
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

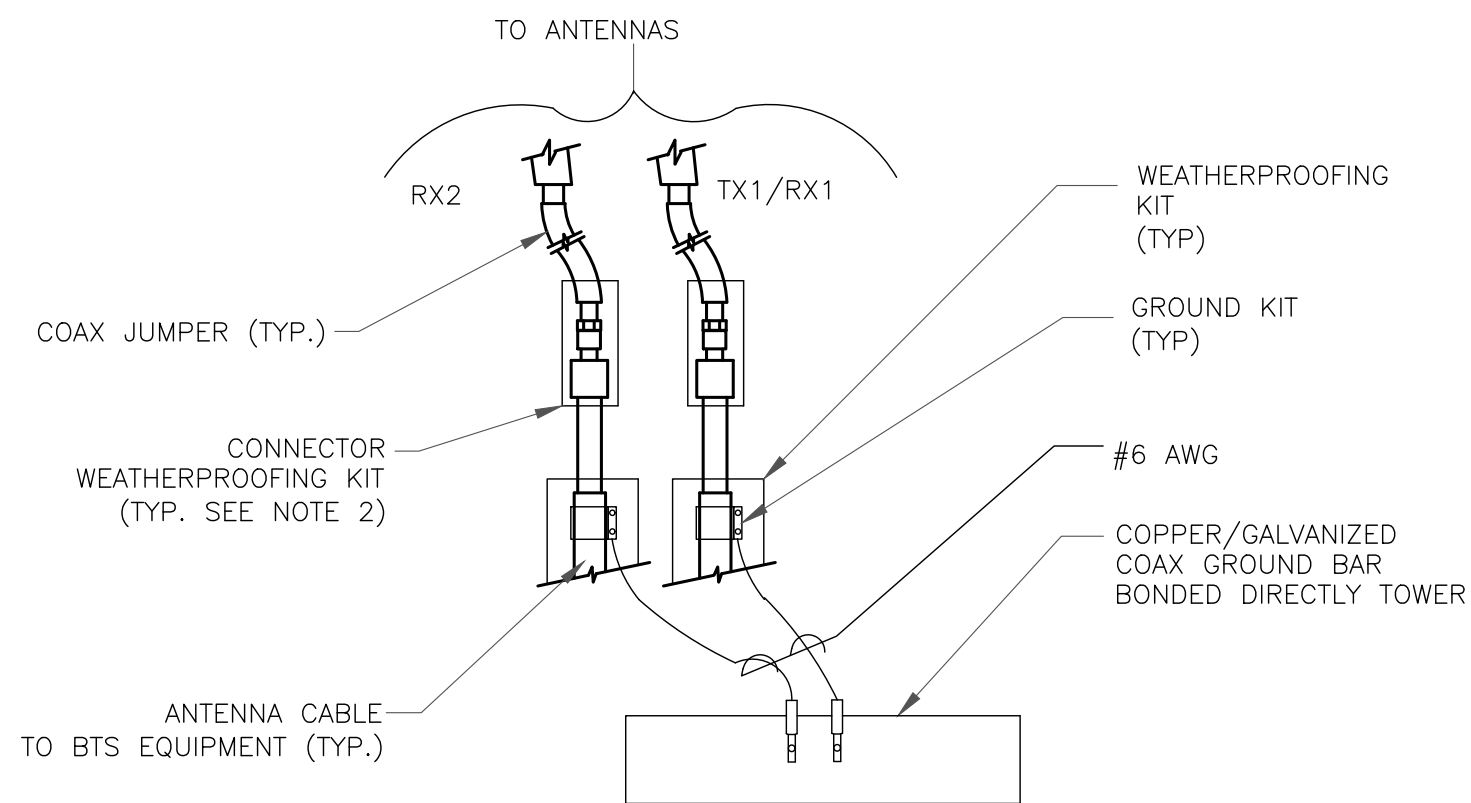
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

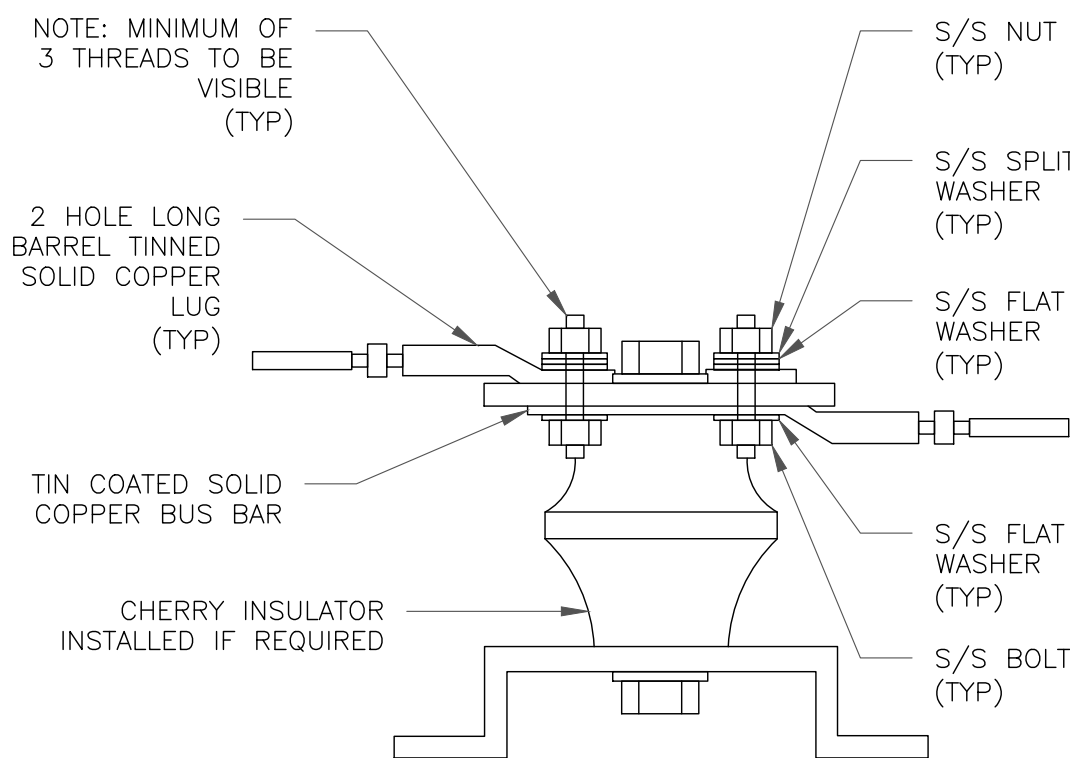
6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

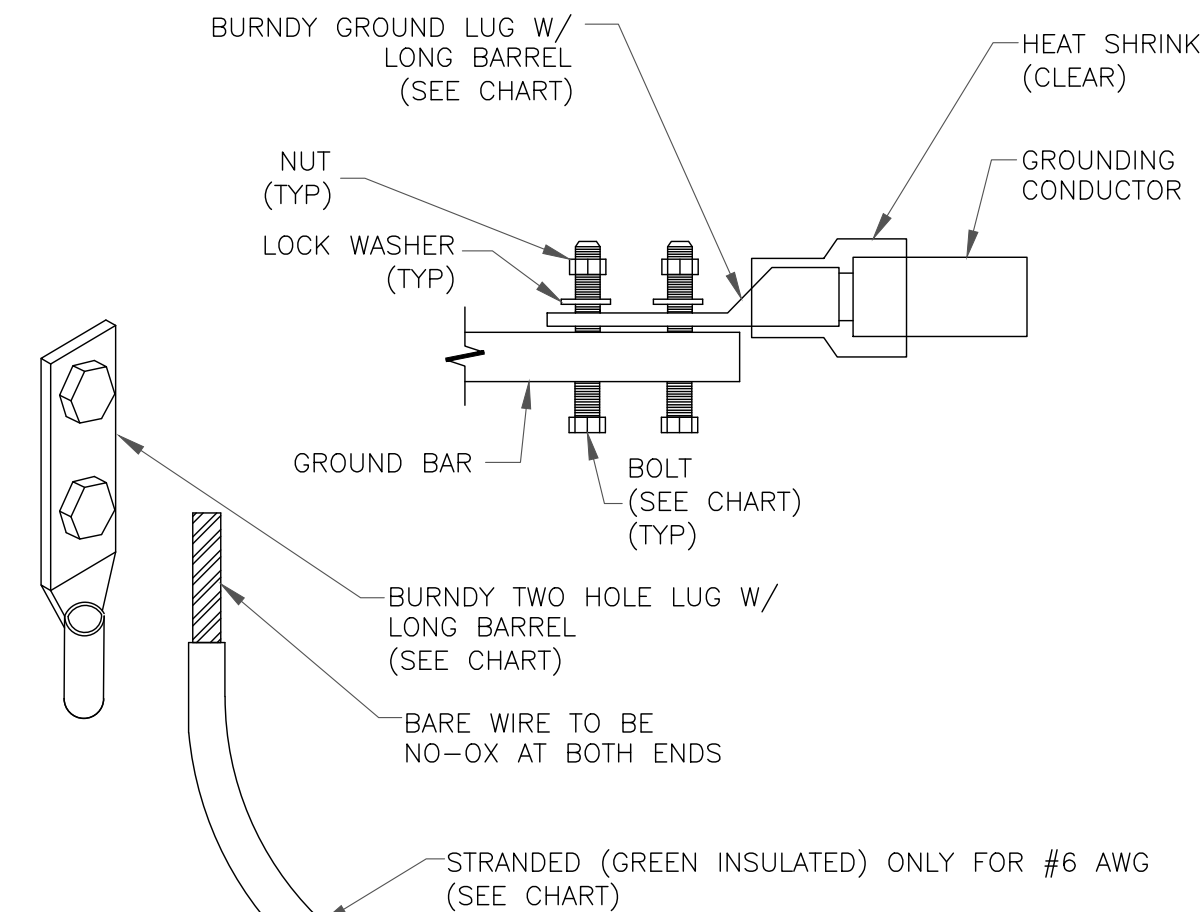
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE

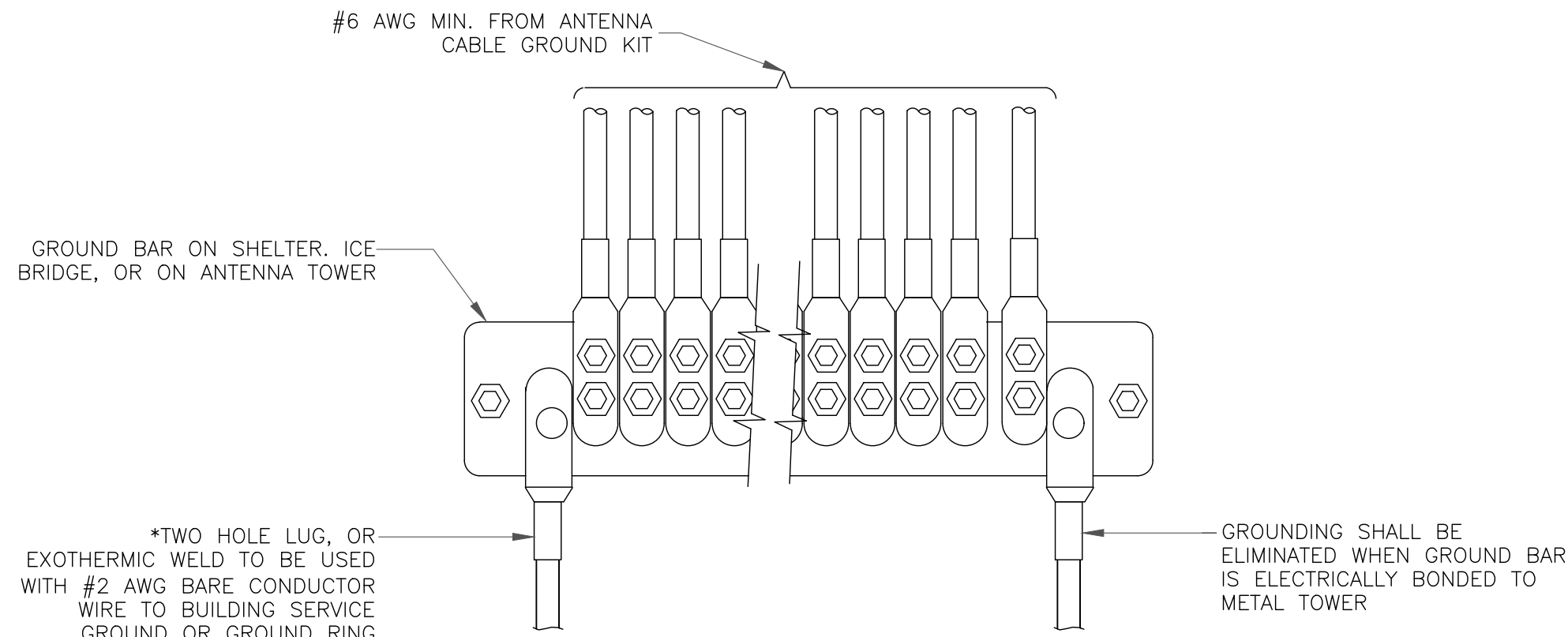
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



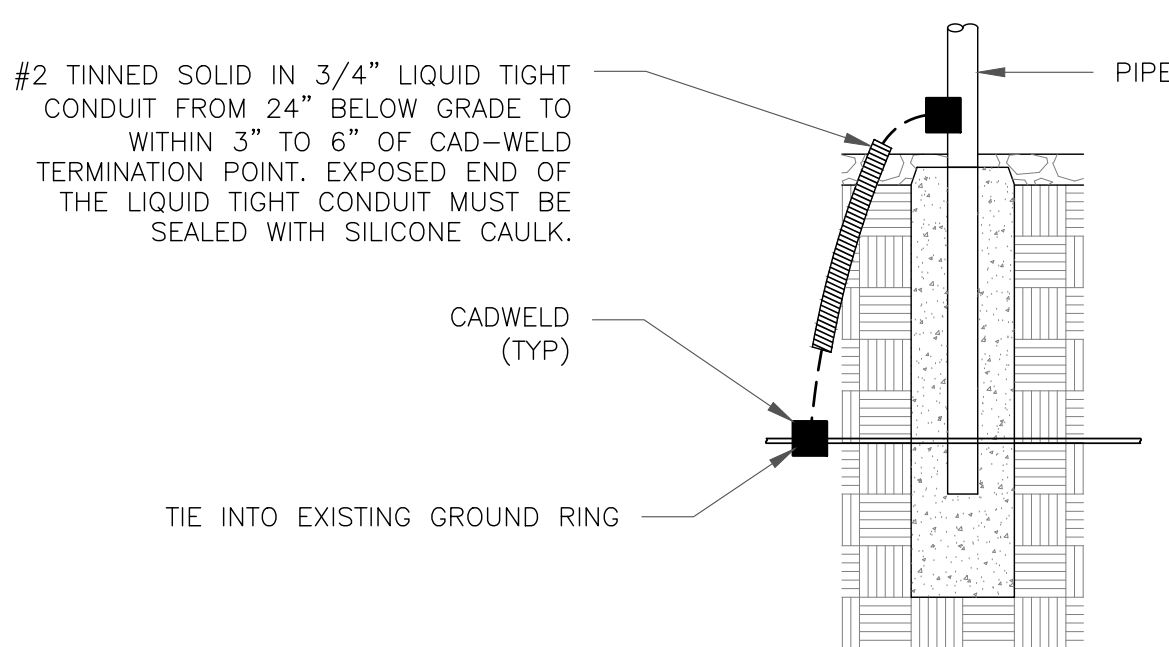
NOTES:

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

2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE



VERIZON SITE NUMBER:
324433

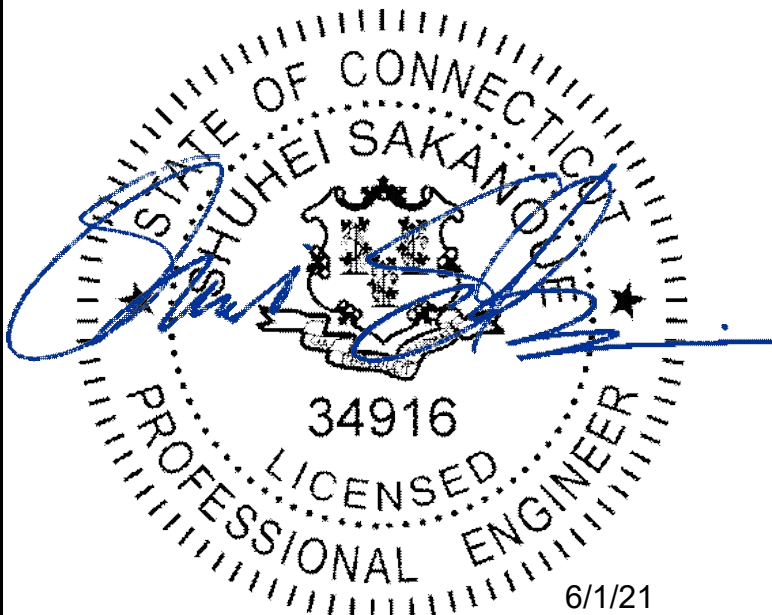
BU #: 876348
ENFIELD

1 BRIGHT MEADOW
BOULEVARD
ENFIELD, CT 06082

EXISTING 147-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/01/21	RCD	FINAL	--



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G-2

REVISION:

0

Exhibit D

Structural Analysis Report

Date: **April 26, 2021**

Paul J. Ford and Company
250 E. Broad St., Ste 600
Columbus, OH 43215
614-221-6679

Subject: **Structural Analysis Report**

Carrier Designation: **Verizon Wireless Co-Locate**
Site Number: 467263
Site Name: N Thompsonville CT

Crown Castle Designation: **BU Number:** 876348
Site Name: ENFIELD
JDE Job Number: 644643
Work Order Number: 1957354
Order Number: 552666 Rev. 0

Engineering Firm Designation: **Paul J. Ford and Company Project Number:** 37521-0633.001.7805

Site Data: **Bright Meadow Blvd., ENFIELD, Hartford County, CT**
Latitude 42° 1' 14.91", Longitude -72° 35' 6.59"
147.5 Foot - Monopole Tower

Paul J. Ford and Company is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

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

LC5: Proposed Equipment Configuration

Sufficient Capacity (70.3%)

This analysis utilizes an ultimate 3-second gust wind speed of 125 mph as required by the 2018 Connecticut State Building Code and Appendix N. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Respectfully submitted by:


Jared Smith, PE
Project Engineer
jsmith@pauljford.com

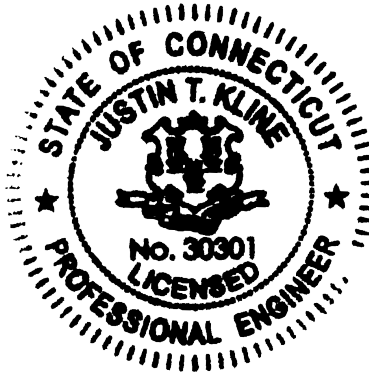


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Table 2 - Other Considered Equipment

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

3.1) Analysis Method

3.2) Assumptions

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Table 5 – Tower Component Stresses vs. Capacity

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5) APPENDIX A

tnxTower Output

6) APPENDIX B

Base Level Drawing

7) APPENDIX C

Additional Calculations

1) INTRODUCTION

This tower is a 147.5 ft Monopole tower designed by SUMMIT.

The tower has been modified per reinforcement drawings prepared by PJF in February of 2013. Reinforcement consist of shaft reinforcement and post installed anchor rods.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	2 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
137.0	139.0	3	samsung telecommunications	MT6407-77A w/ Mount Pipe	8	1-5/8
		1	symmetricom	58532A		
	137.0	3	antel	BXA-70063-6CF-EDIN-2 w/ Mount Pipe		
		6	commscope	SBNHH-1D65B w/ Mount Pipe		
		2	rfs celwave	DB-T1-6Z-8AB-0Z		
		3	samsung telecommunications	RFV01U-D1A		
		3	samsung telecommunications	RFV01U-D2A		
		1	tower mounts	Platform Mount [LP 1201-1_HR-3]		
	135.0	3	samsung telecommunications	CBRS w/ Mount Pipe		
49.0	50.0	1	symmetricom	58532A	1	1/2
	49.0	1	tower mounts	Side Arm Mount [SO 701-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
147.0	147.0	3	alcatel lucent	TD-RRH8X20-25	1 1 3	5/8 3/4 1-1/4
		3	rfs celwave	APXVSP18-C-A20 w/ Mount Pipe		
		3	rfs celwave	APXVTM14-ALU-I20 w/ Mount Pipe		
		1	tower mounts	Platform Mount [LP 1201-1]		
145.0	146.0	2	alcatel lucent	800MHz 2X50W RRH W/FILTER	-	-
		1	alcatel lucent	PCS 1900MHz 4x45W-65MHz		
	145.0	1	tower mounts	Side Arm Mount [SO 102-3]		
	144.0	1	alcatel lucent	800MHz 2X50W RRH W/FILTER		
		2	alcatel lucent	PCS 1900MHz 4x45W-65MHz		
117.0	119.0	1	andrew	SBNHH-1D65A w/ Mount Pipe	1 2 9 1	3/8 3/4 1-5/8 Conduit
		1	cci antennas	HPA-65R-BUU-H6 w/ Mount Pipe		
		1	cci antennas	HPA-65R-BUU-H8 w/ Mount Pipe		
		3	ericsson	RRUS 32 B2		
		4	kathrein	860 10025		
		3	powerwave technologies	7770.00 w/ Mount Pipe		
		2	powerwave technologies	LGP17201		
	117.0	1	tower mounts	Platform Mount [LP 1201-1]		
115.0	119.0	3	ericsson	TME-RRU-11	-	-
		1	raycap	TME-DC6-48-60-18-8F		
	115.0	1	tower mounts	Side Arm Mount [SO 102-3]		
107.0	107.0	3	ericsson	AIR 32 B2A/B66AA w/ Mount Pipe	2 7	1-3/8 1-5/8
		3	ericsson	ERICSSON AIR 21 B2A B4P w/ Mount Pipe		
		3	ericsson	KRY 112 144/1		
		3	ericsson	RADIO 4449 B12/B71		
		3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
		1	tower mounts	T-Arm Mount [TA 701-3]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	1532963	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	1613614	CCISITES
4-TOWER MANUFACTURER DRAWINGS	1613591	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3667620	CCISITES
4-POST MODIFICATION INSPECTION	3966655	CCISITES

3.1) Analysis Method

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

3.2) Assumptions

1. Tower and structures were maintained in accordance with the TIA-222 standard.
2. The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.
3. The structure was modified in conformance with the referenced modification drawings as shown in the referenced post modification inspection.
4. The existing monopole shaft has been reinforced using a Crown-approved system in accordance with the above referenced documents. However, in this analysis we found that the existing pole shaft without modifications has adequate capacity according to TIA-222-H and therefore, we did not consider the existing reinforcing elements in the strength calculations. These elements have been considered for wind area only.

This analysis may be affected if any assumptions are not valid or have been made in error. Paul J. Ford and Company should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P _{allow} (K)	% Capacity	Pass / Fail
L1	147.5 - 108.5	Pole	TP29.41x22x0.25	1	-14.98	1279.90	34.9	Pass
L2	108.5 - 72.25	Pole	TP35.798x28.1975x0.25	2	-23.49	1690.96	70.2	Pass
L3	72.25 - 35.75	Pole	TP42.232x34.4429x0.3125	3	-31.56	2493.21	70.3	Pass
L4	35.75 - 0	Pole	TP48.4x40.6096x0.375	4	-43.35	3511.16	65.9	Pass
							Summary	
						Pole (L3)	70.3	Pass
						Rating =	70.3	Pass

Table 5 - Tower Component Stresses vs. Capacity

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	63.2	Pass
1	Base Plate	0	52.8	Pass
1	Base Foundation (Structure)	0	40.7	Pass
1	Base Foundation (Soil Interaction)	0	52.4	Pass

Structure Rating (max from all components) =	70.3%
---	--------------

Notes:

- All structural ratings are per TIA-222-H Section 15.5
- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.

4.1) Recommendations

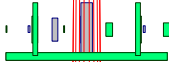
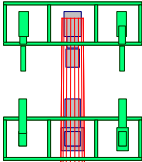
The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A

TNXTOWER OUTPUT

Section	1	2	3	4	
Length (ft)	39.00	40.00	41.00	41.00	
Number of Sides	18	18	18	18	
Thickness (in)	0.2500	0.2500	0.3125	0.3750	
Socket Length (ft)	3.75	4.50	5.25	40.6096	
Top Dia (in)	22.0000	28.1975	34.4429	48.4000	
Bot Dia (in)	29.4100	35.7980	42.2320		
Grade	A607-60		A607-65		
Weight (K)	2.7	3.4	5.3	7.3	18.7

147.5 ft



108.5 ft

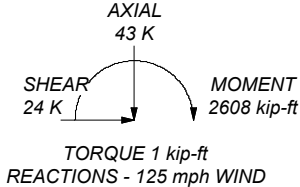
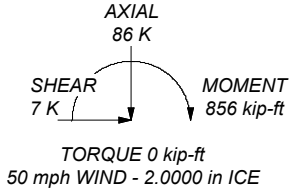
72.3 ft

35.8 ft

0.0 ft



ALL REACTIONS
ARE FACTORED



MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A607-60	60 ksi	75 ksi	A607-65	65 ksi	80 ksi

TOWER DESIGN NOTES

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 2.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TIA-222-H Annex S
9. TOWER RATING: 70.3%



Paul J. Ford and Company
250 E. Broad St., Ste 600
Columbus, OH 43215
Phone: 614-221-6679
FAX:

Job: **147.5-Ft Monopole**

Project: **BU 876348 Enfield**

Client: Crown Castle	Drawn by: Jared Smith	App'd:
Code: TIA-222-H	Date: 04/26/21	Scale: NTS
Path:		Dwg No. E-1

G:\CROWEST\375 Crown Castle\2021\37521-0633_876348_ENFIELD\37521-0633-001-7805-SA-1067354\37521-0633-001-7805-001.dwg

Tower Input Data

The tower is a monopole.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

- Tower is located in Hartford County, Connecticut.
- Tower base elevation above sea level: 110.00 ft.
- Basic wind speed of 125 mph.
- Risk Category II.
- Exposure Category B.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 2.0000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- TIA-222-H Annex S.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.05.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

Consider Moments - Legs	Distribute Leg Loads As Uniform	Use ASCE 10 X-Brace Ly Rules
Consider Moments - Horizontals	Assume Legs Pinned	Calculate Redundant Bracing Forces
Consider Moments - Diagonals	✓ Assume Rigid Index Plate	Ignore Redundant Members in FEA
Use Moment Magnification	✓ Use Clear Spans For Wind Area	SR Leg Bolts Resist Compression
Use Code Stress Ratios	Use Clear Spans For KL/r	All Leg Panels Have Same Allowable
✓ Use Code Safety Factors - Guys	Retention Guys To Initial Tension	Offset Girt At Foundation
Escalate Ice	✓ Bypass Mast Stability Checks	✓ Consider Feed Line Torque
Always Use Max Kz	✓ Use Azimuth Dish Coefficients	Include Angle Block Shear Check
Use Special Wind Profile	✓ Project Wind Area of Appurt.	Use TIA-222-H Bracing Resist.
Include Bolts In Member Capacity	Autocalc Torque Arm Areas	Exemption
Leg Bolts Are At Top Of Section	Add IBC .6D+W Combination	Use TIA-222-H Tension Splice
Secondary Horizontal Braces Leg	Sort Capacity Reports By Component	Exemption
Use Diamond Inner Bracing (4 Sided)	Triangulate Diamond Inner Bracing	
SR Members Have Cut Ends	Treat Feed Line Bundles As Cylinder	
SR Members Are Concentric	Ignore KL/ry For 60 Deg. Angle Legs	

Poles

- ✓ Include Shear-Torsion Interaction
- Always Use Sub-Critical Flow
- Use Top Mounted Sockets
- Pole Without Linear Attachments
- Pole With Shroud Or No
- Appurtenances
- Outside and Inside Corner Radii Are Known

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	147.50-108.50	39.00	3.75	18	22.0000	29.4100	0.2500	1.0000	A607-60 (60 ksi)
L2	108.50-72.25	40.00	4.50	18	28.1975	35.7980	0.2500	1.0000	A607-65 (65 ksi)
L3	72.25-35.75	41.00	5.25	18	34.4429	42.2320	0.3125	1.2500	A607-65 (65 ksi)
L4	35.75-0.00	41.00		18	40.6096	48.4000	0.3750	1.5000	A607-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	It/Q in ²	w in	w/t
L1	22.3008	17.2586	1031.4832	7.7212	11.1760	92.2945	2064.3237	8.6310	3.4320	13.728
	29.8251	23.1385	2485.6899	10.3518	14.9403	166.3751	4974.6504	11.5714	4.7362	18.945
L2	29.3175	22.1763	2188.3323	9.9214	14.3243	152.7703	4379.5441	11.0903	4.5228	18.091
	36.3117	28.2073	4503.2898	12.6195	18.1854	247.6324	9012.5051	14.1063	5.8604	23.442
L3	35.7942	33.8531	4982.1891	12.1163	17.4970	284.7451	9970.9339	16.9298	5.5120	17.638
	42.8353	41.5789	9230.8709	14.8814	21.4539	430.2663	18473.8880	20.7934	6.8828	22.025
L4	42.1912	47.8893	9794.3447	14.2833	20.6297	474.7694	19601.5771	23.9492	6.4873	17.299
	49.0888	57.1618	16656.2703	17.0489	24.5872	677.4366	33334.4574	28.5863	7.8584	20.956

Tower Elevation ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _r	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 147.50- 108.50				1	1	1			
L2 108.50- 72.25				1	1	1			
L3 72.25- 35.75				1	1	1			
L4 35.75-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
LDF7-50A(1-5/8)	A	No	Surface Ar (CaAa)	107.00 - 0.00	9	6	0.400 0.458	1.9800		0.82
MP3-03 Reinforcement	B	No	Surface Af (CaAa)	49.00 - 39.00	1	1	-0.417 -0.417	4.0600	11.2600	9.95
MP3-03 Reinforcement	A	No	Surface Af (CaAa)	49.00 - 39.00	1	1	-0.417 -0.417	4.0600	11.2600	9.95
MP3-03 Reinforcement	C	No	Surface Af (CaAa)	49.00 - 39.00	1	1	-0.417 -0.417	4.0600	11.2600	9.95

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		$C_A A_A$ ft ² /ft	Weight plf
LDF7-50A(1-5/8)	C	No	No	Inside Pole	117.00 - 0.00	9	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
FB-L98B-002-75000(3/8)	C	No	No	Inside Pole	117.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
							2" Ice	0.00	0.06
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	117.00 - 0.00	2	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
							2" Ice	0.00	0.58
LDF7-50A(1-5/8)	C	No	No	Inside Pole	137.00 - 0.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
HB158-1-08U8-S8J18(1-5/8)	C	No	No	Inside Pole	137.00 - 0.00	2	No Ice	0.00	1.30
							1/2" Ice	0.00	1.30
							1" Ice	0.00	1.30
							2" Ice	0.00	1.30
HB058-M12-XXXF(5/8)	C	No	No	Inside Pole	147.00 - 0.00	1	No Ice	0.00	0.24
							1/2" Ice	0.00	0.24
							1" Ice	0.00	0.24
							2" Ice	0.00	0.24
HB114-1-08U4-M5J(1-1/4)	C	No	No	Inside Pole	147.00 - 0.00	3	No Ice	0.00	1.08
							1/2" Ice	0.00	1.08
							1" Ice	0.00	1.08
							2" Ice	0.00	1.08
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	147.00 - 0.00	1	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
							2" Ice	0.00	0.58
LDF4-50A(1/2)	C	No	No	Inside Pole	49.00 - 0.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
							2" Ice	0.00	0.15
2" (Nominal) Conduit	C	No	No	Inside Pole	117.00 - 0.00	1	No Ice	0.00	0.72
							1/2" Ice	0.00	0.72
							1" Ice	0.00	0.72
							2" Ice	0.00	0.72

Feed Line/Linear Appurtenances Section Areas

Tower Section n	Tower Elevation ft	Face	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L1	147.50-108.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.45
L2	108.50-72.25	A	0.000	0.000	41.283	0.000	0.26
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.76
L3	72.25-35.75	A	0.000	0.000	50.129	0.000	0.37
		B	0.000	0.000	6.767	0.000	0.10
		C	0.000	0.000	6.767	0.000	0.86
L4	35.75-0.00	A	0.000	0.000	42.471	0.000	0.26
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.75

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_{AA}A_A$ In Face ft ²	$C_{AA}A_A$ Out Face ft ²	Weight K
L1	147.50-108.50	A	1.946	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.45
L2	108.50-72.25	A	1.879	0.000	0.000	68.507	0.000	1.27
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.76
L3	72.25-35.75	A	1.785	0.000	0.000	80.453	0.000	1.53
		B		0.000	0.000	9.101	0.000	0.23
		C		0.000	0.000	9.101	0.000	1.00
L4	35.75-0.00	A	1.595	0.000	0.000	69.047	0.000	1.22
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.75

Feed Line Center of Pressure

Section	Elevation ft	CP_x in	CP_z in	CP_x Ice in	CP_z Ice in
L1	147.50-108.50	0.0000	0.0000	0.0000	0.0000
L2	108.50-72.25	-0.9790	-6.5488	-0.8148	-5.4506
L3	72.25-35.75	-0.9072	-6.0689	-0.8009	-5.3577
L4	35.75-0.00	-1.0846	-7.2557	-0.9311	-6.2284

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L2	1	LDF7-50A(1-5/8)	72.25 - 107.00	1.0000	1.0000
L3	1	LDF7-50A(1-5/8)	35.75 - 72.25	1.0000	1.0000
L3	14	MP3-03 Reinforcement	39.00 - 49.00	1.0000	1.0000
L3	15	MP3-03 Reinforcement	39.00 - 49.00	1.0000	1.0000
L3	16	MP3-03 Reinforcement	39.00 - 49.00	1.0000	1.0000
L4	1	LDF7-50A(1-5/8)	0.00 - 35.75	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L3	14	MP3-03 Reinforcement	39.00 -	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L3	15	MP3-03 Reinforcement	49.00 39.00 - 49.00	Auto	0.0000
L3	16	MP3-03 Reinforcement	39.00 - 49.00	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
TD-RRH8X20-25	A	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.05 4.30 4.56 5.10	1.53 1.71 1.90 2.30	0.07 0.10 0.13 0.20
TD-RRH8X20-25	B	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.05 4.30 4.56 5.10	1.53 1.71 1.90 2.30	0.07 0.10 0.13 0.20
TD-RRH8X20-25	C	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.05 4.30 4.56 5.10	1.53 1.71 1.90 2.30	0.07 0.10 0.13 0.20
APXVSPP18-C-A20 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
APXVSPP18-C-A20 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
APXVSPP18-C-A20 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
Platform Mount [LP 1201-	C	None		0.0000	147.00	No Ice	18.38	18.38	2.10

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
1]						1/2"	22.11	22.11	2.65
						Ice	25.87	25.87	3.26
						1" Ice	33.47	33.47	4.66
						2" Ice			
(3) 6' x 2" Mount Pipe	A	From Face	4.00 0.00 0.00	0.0000	147.00	No Ice	1.43	1.43	0.02
						1/2"	1.92	1.92	0.03
						Ice	2.29	2.29	0.05
						1" Ice	3.06	3.06	0.09
						2" Ice			
(3) 6' x 2" Mount Pipe	B	From Face	4.00 0.00 0.00	0.0000	147.00	No Ice	1.43	1.43	0.02
						1/2"	1.92	1.92	0.03
						Ice	2.29	2.29	0.05
						1" Ice	3.06	3.06	0.09
						2" Ice			
(3) 6' x 2" Mount Pipe	C	From Face	4.00 0.00 0.00	0.0000	147.00	No Ice	1.43	1.43	0.02
						1/2"	1.92	1.92	0.03
						Ice	2.29	2.29	0.05
						1" Ice	3.06	3.06	0.09
						2" Ice			

800MHz 2X50W RRH W/FILTER	A	From Leg	4.00 0.00 -1.00	0.0000	145.00	No Ice	2.15	2.29	0.07
						1/2"	2.36	2.61	0.10
						Ice	2.58	2.93	0.13
						1" Ice	3.06	3.64	0.21
						2" Ice			
PCS 1900MHz 4x45W- 65MHz	A	From Leg	4.00 0.00 1.00	0.0000	145.00	No Ice	2.32	2.24	0.06
						1/2"	2.53	2.44	0.08
						Ice	2.74	2.65	0.11
						1" Ice	3.19	3.09	0.17
						2" Ice			
800MHz 2X50W RRH W/FILTER	B	From Leg	4.00 0.00 1.00	0.0000	145.00	No Ice	2.15	2.29	0.07
						1/2"	2.36	2.61	0.10
						Ice	2.58	2.93	0.13
						1" Ice	3.06	3.64	0.21
						2" Ice			
PCS 1900MHz 4x45W- 65MHz	B	From Leg	4.00 0.00 -1.00	0.0000	145.00	No Ice	2.32	2.24	0.06
						1/2"	2.53	2.44	0.08
						Ice	2.74	2.65	0.11
						1" Ice	3.19	3.09	0.17
						2" Ice			
800MHz 2X50W RRH W/FILTER	C	From Leg	4.00 0.00 1.00	0.0000	145.00	No Ice	2.15	2.29	0.07
						1/2"	2.36	2.61	0.10
						Ice	2.58	2.93	0.13
						1" Ice	3.06	3.64	0.21
						2" Ice			
PCS 1900MHz 4x45W- 65MHz	C	From Leg	4.00 0.00 -1.00	0.0000	145.00	No Ice	2.32	2.24	0.06
						1/2"	2.53	2.44	0.08
						Ice	2.74	2.65	0.11
						1" Ice	3.19	3.09	0.17
						2" Ice			
Side Arm Mount [SO 102- 3]	C	None		0.0000	145.00	No Ice	3.60	3.60	0.07
						1/2"	4.18	4.18	0.11
						Ice	4.75	4.75	0.14
						1" Ice	5.90	5.90	0.20
						2" Ice			
(3) 6' x 2" Mount Pipe	A	From Face	4.00 0.00 0.00	0.0000	145.00	No Ice	1.43	1.43	0.02
						1/2"	1.92	1.92	0.03
						Ice	2.29	2.29	0.05
						1" Ice	3.06	3.06	0.09
						2" Ice			
(3) 6' x 2" Mount Pipe	B	From Face	4.00 0.00 0.00	0.0000	145.00	No Ice	1.43	1.43	0.02
						1/2"	1.92	1.92	0.03
						Ice	2.29	2.29	0.05
						1" Ice	3.06	3.06	0.09
						2" Ice			

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
(3) 6' x 2" Mount Pipe	C	From Face	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09

DB-T1-6Z-8AB-0Z	A	From Leg	4.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.80 5.07 5.35 5.93	2.00 2.19 2.39 2.81	0.04 0.08 0.12 0.21
RFV01U-D1A	A	From Leg	4.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D2A	A	From Leg	4.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
DB-T1-6Z-8AB-0Z	B	From Leg	4.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.80 5.07 5.35 5.93	2.00 2.19 2.39 2.81	0.04 0.08 0.12 0.21
RFV01U-D1A	B	From Leg	4.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D2A	B	From Leg	4.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
RFV01U-D1A	C	From Leg	4.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D2A	C	From Leg	4.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
BXA-70063-6CF-EDIN-2 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.40 8.14 8.90 10.46	5.39 6.10 6.83 8.34	0.04 0.10 0.16 0.33
(2) SBNHH-1D65B w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
58532A	A	From Leg	4.00 0.00 2.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.19 0.25 0.31 0.47	0.19 0.25 0.31 0.47	0.00 0.00 0.01 0.02
CBRS w/ Mount Pipe	A	From Leg	4.00 0.00 -2.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice	1.45 1.67 1.90 2.42	0.99 1.18 1.39 1.85	0.03 0.05 0.07 0.12

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
MT6407-77A w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	137.00	2" Ice No Ice 1/2" Ice 1" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
BXA-70063-6CF-EDIN-2 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	137.00	2" Ice No Ice 1/2" Ice 1" Ice	7.40 8.14 8.90 10.46	5.39 6.10 6.83 8.34	0.04 0.10 0.16 0.33
(2) SBNHH-1D65B w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	137.00	2" Ice No Ice 1/2" Ice 1" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
CBRS w/ Mount Pipe	B	From Leg	4.00 0.00 -2.00	0.0000	137.00	2" Ice No Ice 1/2" Ice 1" Ice	1.45 1.67 1.90 2.42	0.99 1.18 1.39 1.85	0.03 0.05 0.07 0.12
MT6407-77A w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.0000	137.00	2" Ice No Ice 1/2" Ice 1" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
BXA-70063-6CF-EDIN-2 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	137.00	2" Ice No Ice 1/2" Ice 1" Ice	7.40 8.14 8.90 10.46	5.39 6.10 6.83 8.34	0.04 0.10 0.16 0.33
(2) SBNHH-1D65B w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	137.00	2" Ice No Ice 1/2" Ice 1" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
CBRS w/ Mount Pipe	C	From Leg	4.00 0.00 -2.00	0.0000	137.00	2" Ice No Ice 1/2" Ice 1" Ice	1.45 1.67 1.90 2.42	0.99 1.18 1.39 1.85	0.03 0.05 0.07 0.12
MT6407-77A w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	137.00	2" Ice No Ice 1/2" Ice 1" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
Platform Mount [LP 1201- 1_HR-3]	C	None		0.0000	137.00	2" Ice No Ice 1/2" Ice 1" Ice	29.96 36.80 43.24 55.52	29.96 36.80 43.24 55.52	2.62 3.38 4.28 6.43

RRUS 32 B2	A	From Leg	4.00 0.00 2.00	0.0000	117.00	2" Ice No Ice 1/2" Ice 1" Ice	2.74 2.96 3.19 3.68	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
(2) 860 10025	A	From Leg	4.00 0.00 2.00	0.0000	117.00	2" Ice No Ice 1/2" Ice 1" Ice	0.14 0.19 0.25 0.40	0.12 0.17 0.23 0.37	0.00 0.00 0.01 0.01
RRUS 32 B2	B	From Leg	4.00 0.00 2.00	0.0000	117.00	2" Ice No Ice 1/2" Ice	2.74 2.96 3.19	1.67 1.86 2.05	0.05 0.07 0.10

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
						1" Ice	3.68	2.46	0.16
						2" Ice			
(2) LGP17201	B	From Leg	4.00	0.0000	117.00	No Ice	1.67	0.47	0.03
			0.00			1/2"	1.83	0.57	0.04
			2.00			Ice	2.00	0.68	0.06
						1" Ice	2.36	0.91	0.09
						2" Ice			
RRUS 32 B2	C	From Leg	4.00	0.0000	117.00	No Ice	2.74	1.67	0.05
			0.00			1/2"	2.96	1.86	0.07
			2.00			Ice	3.19	2.05	0.10
						1" Ice	3.68	2.46	0.16
						2" Ice			
(2) 860 10025	C	From Leg	4.00	0.0000	117.00	No Ice	0.14	0.12	0.00
			0.00			1/2"	0.19	0.17	0.00
			2.00			Ice	0.25	0.23	0.01
						1" Ice	0.40	0.37	0.01
						2" Ice			
HPA-65R-BUU-H8 w/ Mount Pipe	A	From Leg	4.00	0.0000	117.00	No Ice	12.25	8.33	0.10
			0.00			1/2"	13.19	9.23	0.19
			2.00			Ice	14.16	10.15	0.30
						1" Ice	16.14	12.05	0.54
						2" Ice			
7770.00 w/ Mount Pipe	A	From Leg	4.00	0.0000	117.00	No Ice	5.75	4.25	0.06
			0.00			1/2"	6.18	5.01	0.10
			2.00			Ice	6.61	5.71	0.16
						1" Ice	7.49	7.16	0.29
						2" Ice			
SBNHH-1D65A w/ Mount Pipe	B	From Leg	4.00	0.0000	117.00	No Ice	3.04	2.45	0.05
			0.00			1/2"	3.34	2.75	0.10
			2.00			Ice	3.65	3.05	0.16
						1" Ice	4.31	3.68	0.31
						2" Ice			
7770.00 w/ Mount Pipe	B	From Leg	4.00	0.0000	117.00	No Ice	5.75	4.25	0.06
			0.00			1/2"	6.18	5.01	0.10
			2.00			Ice	6.61	5.71	0.16
						1" Ice	7.49	7.16	0.29
						2" Ice			
HPA-65R-BUU-H6 w/ Mount Pipe	C	From Leg	4.00	0.0000	117.00	No Ice	9.22	6.25	0.07
			0.00			1/2"	9.98	6.96	0.14
			2.00			Ice	10.76	7.70	0.22
						1" Ice	12.36	9.22	0.42
						2" Ice			
7770.00 w/ Mount Pipe	C	From Leg	4.00	0.0000	117.00	No Ice	5.75	4.25	0.06
			0.00			1/2"	6.18	5.01	0.10
			2.00			Ice	6.61	5.71	0.16
						1" Ice	7.49	7.16	0.29
						2" Ice			
Platform Mount [LP 1201- 1]	C	None		0.0000	117.00	No Ice	18.38	18.38	2.10
						1/2"	22.11	22.11	2.65
						Ice	25.87	25.87	3.26
						1" Ice	33.47	33.47	4.66
						2" Ice			

Side Arm Mount [SO 102- 3]	C	None		0.0000	115.00	No Ice	3.60	3.60	0.07
						1/2"	4.18	4.18	0.11
						Ice	4.75	4.75	0.14
						1" Ice	5.90	5.90	0.20
						2" Ice			
5' x 2" Pipe Mount	A	From Face	1.00	0.0000	115.00	No Ice	1.00	1.00	0.03
			0.00			1/2"	1.39	1.39	0.04
			0.00			Ice	1.70	1.70	0.05
						1" Ice	2.35	2.35	0.08
						2" Ice			
5' x 2" Pipe Mount	B	From Face	1.00	0.0000	115.00	No Ice	1.00	1.00	0.03
			0.00			1/2"	1.39	1.39	0.04

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.00			Ice	1.70	1.70	0.05
						1" Ice	2.35	2.35	0.08
						2" Ice			
5' x 2" Pipe Mount	C	From Face	1.00	0.0000	115.00	No Ice	1.00	1.00	0.03
			0.00			1/2"	1.39	1.39	0.04
			0.00			Ice	1.70	1.70	0.05
						1" Ice	2.35	2.35	0.08
						2" Ice			
TME-RRU-11	A	From Face	2.00	0.0000	115.00	No Ice	1.64	1.26	0.04
			0.00			1/2"	1.80	1.41	0.06
			4.00			Ice	1.97	1.57	0.08
						1" Ice	2.34	1.90	0.12
						2" Ice			
TME-RRU-11	B	From Face	2.00	0.0000	115.00	No Ice	1.64	1.26	0.04
			0.00			1/2"	1.80	1.41	0.06
			4.00			Ice	1.97	1.57	0.08
						1" Ice	2.34	1.90	0.12
						2" Ice			
TME-RRU-11	C	From Face	2.00	0.0000	115.00	No Ice	1.64	1.26	0.04
			0.00			1/2"	1.80	1.41	0.06
			4.00			Ice	1.97	1.57	0.08
						1" Ice	2.34	1.90	0.12
						2" Ice			
TME-DC6-48-60-18-8F	A	From Face	2.00	0.0000	115.00	No Ice	0.92	0.92	0.02
			0.00			1/2"	1.46	1.46	0.04
			4.00			Ice	1.64	1.64	0.06
						1" Ice	2.04	2.04	0.11
						2" Ice			

ERICSSON AIR 21 B2A B4P w/ Mount Pipe	A	From Leg	4.00	0.0000	107.00	No Ice	3.14	2.59	0.11
			0.00			1/2"	3.45	2.88	0.16
			0.00			Ice	3.77	3.19	0.23
						1" Ice	4.43	3.84	0.38
						2" Ice			
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	B	From Leg	4.00	0.0000	107.00	No Ice	3.14	2.59	0.11
			0.00			1/2"	3.45	2.88	0.16
			0.00			Ice	3.77	3.19	0.23
						1" Ice	4.43	3.84	0.38
						2" Ice			
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	C	From Leg	4.00	0.0000	107.00	No Ice	3.14	2.59	0.11
			0.00			1/2"	3.45	2.88	0.16
			0.00			Ice	3.77	3.19	0.23
						1" Ice	4.43	3.84	0.38
						2" Ice			
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.00	0.0000	107.00	No Ice	14.69	6.87	0.19
			0.00			1/2"	15.46	7.55	0.31
			0.00			Ice	16.23	8.25	0.46
						1" Ice	17.82	9.67	0.79
						2" Ice			
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.00	0.0000	107.00	No Ice	14.69	6.87	0.19
			0.00			1/2"	15.46	7.55	0.31
			0.00			Ice	16.23	8.25	0.46
						1" Ice	17.82	9.67	0.79
						2" Ice			
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.00	0.0000	107.00	No Ice	14.69	6.87	0.19
			0.00			1/2"	15.46	7.55	0.31
			0.00			Ice	16.23	8.25	0.46
						1" Ice	17.82	9.67	0.79
						2" Ice			
AIR 32 B2A/B66AA w/ Mount Pipe	A	From Leg	4.00	0.0000	107.00	No Ice	3.76	3.15	0.19
			0.00			1/2"	4.12	3.49	0.25
			0.00			Ice	4.48	3.84	0.32
						1" Ice	5.24	4.58	0.48
						2" Ice			
AIR 32 B2A/B66AA w/	B	From Leg	4.00	0.0000	107.00	No Ice	3.76	3.15	0.19

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
Mount Pipe			0.00 0.00			1/2" Ice 1" Ice 2" Ice	4.12 4.48 5.24	3.49 3.84 4.58	0.25 0.32 0.48
AIR 32 B2A/B66AA w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.76 4.12 4.48 5.24	3.15 3.49 3.84 4.58	0.19 0.25 0.32 0.48
KRY 112 144/1	A	From Leg	4.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.43 0.51 0.70	0.17 0.23 0.30 0.46	0.01 0.01 0.02 0.03
KRY 112 144/1	B	From Leg	4.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.43 0.51 0.70	0.17 0.23 0.30 0.46	0.01 0.01 0.02 0.03
KRY 112 144/1	C	From Leg	4.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.43 0.51 0.70	0.17 0.23 0.30 0.46	0.01 0.01 0.02 0.03
RADIO 4449 B12/B71	A	From Leg	4.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.65 1.81 1.98 2.34	1.16 1.30 1.45 1.76	0.07 0.09 0.11 0.16
RADIO 4449 B12/B71	B	From Leg	4.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.65 1.81 1.98 2.34	1.16 1.30 1.45 1.76	0.07 0.09 0.11 0.16
RADIO 4449 B12/B71	C	From Leg	4.00 0.00 0.00	0.0000	107.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.65 1.81 1.98 2.34	1.16 1.30 1.45 1.76	0.07 0.09 0.11 0.16
T-Arm Mount [TA 701-3]	C	None		0.0000	107.00	No Ice 1/2" Ice 1" Ice 2" Ice	23.94 30.04 36.16 48.72	23.94 30.04 36.16 48.72	1.09 1.48 1.95 3.16
*** Side Arm Mount [SO 701-1]	A	None		0.0000	49.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.85 1.14 1.43 2.01	1.67 2.34 3.01 4.35	0.07 0.08 0.09 0.12
58532A	A	From Leg	4.00 0.00 1.00	0.0000	49.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.19 0.25 0.31 0.47	0.19 0.25 0.31 0.47	0.00 0.00 0.01 0.02

Tower Pressures - No Ice

$$G_H = 1.100$$

Section Elevation ft	z ft	K _z	q _z psf	A _G ft ²	F a c e	A _F ft ²	A _R ft ²	A _{leg} ft ²	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
L1 147.50-108.50	127.27	1.059	38	84.705	A	0.000	84.705	84.705	100.00	0.000	0.000
					B	0.000	84.705		100.00	0.000	0.000
					C	0.000	84.705		100.00	0.000	0.000
L2 108.50-72.25	89.99	0.959	34	99.127	A	0.000	99.127	99.127	100.00	41.283	0.000
					B	0.000	99.127		100.00	0.000	0.000
					C	0.000	99.127		100.00	0.000	0.000
L3 72.25-35.75	53.90	0.828	30	119.582	A	0.000	119.582	119.582	100.00	50.129	0.000
				2	B	0.000	119.582		100.00	6.767	0.000
					C	0.000	119.582		100.00	6.767	0.000
L4 35.75-0.00	17.42	0.7	25	135.969	A	0.000	135.969	135.969	100.00	42.471	0.000
				9	B	0.000	135.969		100.00	0.000	0.000
					C	0.000	135.969		100.00	0.000	0.000

Tower Pressure - With Ice

$$G_H = 1.100$$

Section Elevation ft	z ft	K _z	q _z psf	t _z in	A _G ft ²	F a c e	A _F ft ²	A _R ft ²	A _{leg} ft ²	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
L1 147.50-108.50	127.27	1.059	6	1.9457	97.352	A	0.000	97.352	97.352	100.00	0.000	0.000
						B	0.000	97.352		100.00	0.000	0.000
						C	0.000	97.352		100.00	0.000	0.000
L2 108.50-72.25	89.99	0.959	6	1.8794	110.882	A	0.000	110.882	110.882	100.00	68.507	0.000
						B	0.000	110.882		100.00	0.000	0.000
						C	0.000	110.882		100.00	0.000	0.000
L3 72.25-35.75	53.90	0.828	5	1.7855	131.015	A	0.000	131.015	131.015	100.00	80.453	0.000
						B	0.000	131.015		100.00	9.101	0.000
						C	0.000	131.015		100.00	9.101	0.000
L4 35.75-0.00	17.42	0.7	4	1.5948	146.608	A	0.000	146.608	146.608	100.00	69.047	0.000
						B	0.000	146.608		100.00	0.000	0.000
						C	0.000	146.608		100.00	0.000	0.000

Tower Pressure - Service

$$G_H = 1.100$$

Section Elevation ft	z ft	K _z	q _z psf	A _G ft ²	F a c e	A _F ft ²	A _R ft ²	A _{leg} ft ²	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
L1 147.50-108.50	127.27	1.059	8	84.705	A	0.000	84.705	84.705	100.00	0.000	0.000
					B	0.000	84.705		100.00	0.000	0.000
					C	0.000	84.705		100.00	0.000	0.000
L2 108.50-72.25	89.99	0.959	7	99.127	A	0.000	99.127	99.127	100.00	41.283	0.000
					B	0.000	99.127		100.00	0.000	0.000
					C	0.000	99.127		100.00	0.000	0.000
L3 72.25-35.75	53.90	0.828	6	119.582	A	0.000	119.582	119.582	100.00	50.129	0.000
				2	B	0.000	119.582		100.00	6.767	0.000
					C	0.000	119.582		100.00	6.767	0.000
L4 35.75-0.00	17.42	0.7	5	135.969	A	0.000	135.969	135.969	100.00	42.471	0.000
				9	B	0.000	135.969		100.00	0.000	0.000
					C	0.000	135.969		100.00	0.000	0.000

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	147.5 - 108.5	Pole	Max Tension	2	0.00	-0.00	-0.00
			Max. Compression	26	-38.62	-0.79	1.59
			Max. Mx	8	-15.00	-305.53	-0.92
			Max. My	2	-14.99	0.76	306.91
			Max. Vy	20	-13.81	304.88	1.32
			Max. Vx	2	-13.89	0.76	306.91
			Max. Torque	19			-0.87
L2	108.5 - 72.25	Pole	Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L3	72.25 - 35.75	Pole	Max. Compression	26	-56.58	0.95	2.85
			Max. Mx	20	-23.50	933.20	3.21
			Max. My	2	-23.50	2.76	936.45
			Max. Vy	20	-19.36	933.20	3.21
			Max. Vx	2	-19.35	2.76	936.45
			Max. Torque	19			-0.87
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-69.09	3.15	4.34
			Max. Mx	20	-31.56	1669.51	5.11
			Max. My	2	-31.56	4.85	1670.70
L4	35.75 - 0	Pole	Max. Vy	20	-21.74	1669.51	5.11
			Max. Vx	2	-21.66	4.85	1670.70
			Max. Torque	19			-0.89
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-85.61	5.69	5.79
			Max. Mx	20	-43.35	2607.65	7.24
			Max. My	2	-43.35	7.24	2604.84
			Max. Vy	20	-23.92	2607.65	7.24
			Max. Vx	2	-23.82	7.24	2604.84
			Max. Torque	19			-0.89

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	85.61	-0.00	-0.00
	Max. H _x	20	43.37	23.88	0.04
	Max. H _z	3	32.53	0.04	23.79
	Max. M _x	2	2604.84	0.04	23.79
	Max. M _z	8	2604.98	-23.88	-0.04
	Max. Torsion	7	0.89	-20.52	11.86
	Min. Vert	3	32.53	0.04	23.79
	Min. H _x	9	32.53	-23.88	-0.04
	Min. H _z	15	32.53	-0.04	-23.79
	Min. M _x	14	-2602.53	-0.04	-23.79
	Min. M _z	20	-2607.65	23.88	0.04
	Min. Torsion	19	-0.89	20.52	-11.86

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	36.14	-0.00	-0.00	-0.90	0.93	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	43.37	-0.04	-23.79	-2604.84	7.24	-0.25
0.9 Dead+1.0 Wind 0 deg - No Ice	32.53	-0.04	-23.79	-2559.32	6.82	-0.25
1.2 Dead+1.0 Wind 30 deg - No Ice	43.37	11.82	-20.59	-2253.57	-1290.21	-0.66
0.9 Dead+1.0 Wind 30 deg - No Ice	32.53	11.82	-20.59	-2213.93	-1267.98	-0.66
1.2 Dead+1.0 Wind 60 deg - No Ice	43.37	20.52	-11.86	-1298.08	-2241.66	-0.89
0.9 Dead+1.0 Wind 60 deg - No Ice	32.53	20.52	-11.86	-1275.13	-2202.81	-0.89
1.2 Dead+1.0 Wind 90 deg - No Ice	43.37	23.88	0.04	4.94	-2604.98	-0.88
0.9 Dead+1.0 Wind 90 deg - No Ice	32.53	23.88	0.04	5.12	-2560.11	-0.88

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
No Ice						
1.2 Dead+1.0 Wind 120 deg	43.37	20.56	11.93	1306.30	-2247.70	-0.64
- No Ice						
0.9 Dead+1.0 Wind 120 deg	32.53	20.56	11.93	1283.76	-2208.73	-0.64
- No Ice						
1.2 Dead+1.0 Wind 150 deg	43.37	11.89	20.63	2257.30	-1300.73	-0.22
- No Ice						
0.9 Dead+1.0 Wind 150 deg	32.53	11.89	20.63	2218.16	-1278.29	-0.23
- No Ice						
1.2 Dead+1.0 Wind 180 deg	43.37	0.04	23.79	2602.53	-4.94	0.25
- No Ice						
0.9 Dead+1.0 Wind 180 deg	32.53	0.04	23.79	2557.61	-5.11	0.25
- No Ice						
1.2 Dead+1.0 Wind 210 deg	43.37	-11.82	20.59	2251.26	1292.51	0.66
- No Ice						
0.9 Dead+1.0 Wind 210 deg	32.53	-11.82	20.59	2212.23	1269.68	0.66
- No Ice						
1.2 Dead+1.0 Wind 240 deg	43.37	-20.52	11.86	1295.78	2243.96	0.89
- No Ice						
0.9 Dead+1.0 Wind 240 deg	32.53	-20.52	11.86	1273.44	2204.52	0.89
- No Ice						
1.2 Dead+1.0 Wind 270 deg	43.37	-23.88	-0.04	-7.24	2607.65	0.88
- No Ice						
0.9 Dead+1.0 Wind 270 deg	32.53	-23.88	-0.04	-6.81	2561.82	0.88
- No Ice						
1.2 Dead+1.0 Wind 300 deg	43.37	-20.56	-11.93	-1308.60	2250.02	0.63
- No Ice						
0.9 Dead+1.0 Wind 300 deg	32.53	-20.56	-11.93	-1285.45	2210.46	0.64
- No Ice						
1.2 Dead+1.0 Wind 330 deg	43.37	-11.89	-20.63	-2259.62	1303.04	0.22
- No Ice						
0.9 Dead+1.0 Wind 330 deg	32.53	-11.89	-20.63	-2219.87	1280.00	0.22
- No Ice						
1.2 Dead+1.0 Ice+1.0 Temp	85.61	0.00	0.00	-5.79	5.69	-0.00
1.2 Dead+1.0 Wind 0	85.61	-0.01	-6.93	-853.08	7.48	-0.09
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 30	85.61	3.45	-6.00	-738.76	-415.03	-0.20
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 60	85.61	5.99	-3.46	-428.10	-724.77	-0.25
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 90	85.61	6.92	0.01	-4.33	-838.75	-0.24
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 120	85.61	6.00	3.48	419.00	-726.42	-0.17
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 150	85.61	3.47	6.01	728.45	-417.88	-0.05
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 180	85.61	0.01	6.93	841.12	4.18	0.09
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 210	85.61	-3.45	6.00	726.80	426.69	0.20
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 240	85.61	-5.99	3.46	416.14	736.43	0.25
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 270	85.61	-6.92	-0.01	-7.63	850.41	0.24
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 300	85.61	-6.00	-3.48	-430.96	738.08	0.17
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 330	85.61	-3.47	-6.01	-740.41	429.55	0.05
deg+1.0 Ice+1.0 Temp						
Dead+Wind 0 deg - Service	36.14	-0.01	-5.16	-560.47	2.26	-0.06
Dead+Wind 30 deg - Service	36.14	2.57	-4.47	-484.86	-276.48	-0.15
Dead+Wind 60 deg - Service	36.14	4.45	-2.57	-279.59	-480.88	-0.20
Dead+Wind 90 deg - Service	36.14	5.18	0.01	0.35	-559.09	-0.20
Dead+Wind 120 deg - Service	36.14	4.46	2.59	279.93	-482.19	-0.14
Dead+Wind 150 deg - Service	36.14	2.58	4.48	484.25	-278.74	-0.05
Dead+Wind 180 deg - Service	36.14	0.01	5.16	558.56	-0.35	0.06
Dead+Wind 210 deg -	36.14	-2.57	4.47	482.94	278.39	0.15

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Service						
Dead+Wind 240 deg -	36.14	-4.45	2.57	277.67	482.79	0.20
Service						
Dead+Wind 270 deg -	36.14	-5.18	-0.01	-2.26	561.01	0.20
Service						
Dead+Wind 300 deg -	36.14	-4.46	-2.59	-281.85	484.10	0.14
Service						
Dead+Wind 330 deg -	36.14	-2.58	-4.48	-486.17	280.65	0.05
Service						

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.00	-36.14	0.00	0.00	36.14	0.00	0.000%
2	-0.04	-43.37	-23.80	0.04	43.37	23.79	0.010%
3	-0.04	-32.53	-23.80	0.04	32.53	23.79	0.008%
4	11.82	-43.37	-20.59	-11.82	43.37	20.59	0.000%
5	11.82	-32.53	-20.59	-11.82	32.53	20.59	0.000%
6	20.52	-43.37	-11.86	-20.52	43.37	11.86	0.000%
7	20.52	-32.53	-11.86	-20.52	32.53	11.86	0.000%
8	23.89	-43.37	0.04	-23.88	43.37	-0.04	0.010%
9	23.89	-32.53	0.04	-23.88	32.53	-0.04	0.008%
10	20.56	-43.37	11.93	-20.56	43.37	-11.93	0.000%
11	20.56	-32.53	11.93	-20.56	32.53	-11.93	0.000%
12	11.89	-43.37	20.63	-11.89	43.37	-20.63	0.000%
13	11.89	-32.53	20.63	-11.89	32.53	-20.63	0.000%
14	0.04	-43.37	23.80	-0.04	43.37	-23.79	0.010%
15	0.04	-32.53	23.80	-0.04	32.53	-23.79	0.008%
16	-11.82	-43.37	20.59	11.82	43.37	-20.59	0.000%
17	-11.82	-32.53	20.59	11.82	32.53	-20.59	0.000%
18	-20.52	-43.37	11.86	20.52	43.37	-11.86	0.000%
19	-20.52	-32.53	11.86	20.52	32.53	-11.86	0.000%
20	-23.89	-43.37	-0.04	23.88	43.37	0.04	0.005%
21	-23.89	-32.53	-0.04	23.88	32.53	0.04	0.008%
22	-20.56	-43.37	-11.93	20.56	43.37	11.93	0.000%
23	-20.56	-32.53	-11.93	20.56	32.53	11.93	0.000%
24	-11.89	-43.37	-20.63	11.89	43.37	20.63	0.000%
25	-11.89	-32.53	-20.63	11.89	32.53	20.63	0.000%
26	0.00	-85.61	0.00	-0.00	85.61	-0.00	0.001%
27	-0.01	-85.61	-6.93	0.01	85.61	6.93	0.001%
28	3.45	-85.61	-6.00	-3.45	85.61	6.00	0.001%
29	5.99	-85.61	-3.46	-5.99	85.61	3.46	0.001%
30	6.92	-85.61	0.01	-6.92	85.61	-0.01	0.001%
31	6.00	-85.61	3.48	-6.00	85.61	-3.48	0.001%
32	3.47	-85.61	6.01	-3.47	85.61	-6.01	0.001%
33	0.01	-85.61	6.93	-0.01	85.61	-6.93	0.001%
34	-3.45	-85.61	6.00	3.45	85.61	-6.00	0.001%
35	-5.99	-85.61	3.46	5.99	85.61	-3.46	0.001%
36	-6.92	-85.61	-0.01	6.92	85.61	0.01	0.001%
37	-6.00	-85.61	-3.48	6.00	85.61	3.48	0.001%
38	-3.47	-85.61	-6.01	3.47	85.61	6.01	0.001%
39	-0.01	-36.14	-5.17	0.01	36.14	5.16	0.002%
40	2.57	-36.14	-4.47	-2.57	36.14	4.47	0.002%
41	4.45	-36.14	-2.57	-4.45	36.14	2.57	0.002%
42	5.18	-36.14	0.01	-5.18	36.14	-0.01	0.002%
43	4.46	-36.14	2.59	-4.46	36.14	-2.59	0.002%
44	2.58	-36.14	4.48	-2.58	36.14	-4.48	0.002%
45	0.01	-36.14	5.17	-0.01	36.14	-5.16	0.002%
46	-2.57	-36.14	4.47	2.57	36.14	-4.47	0.002%
47	-4.45	-36.14	2.57	4.45	36.14	-2.57	0.002%
48	-5.18	-36.14	-0.01	5.18	36.14	0.01	0.002%
49	-4.46	-36.14	-2.59	4.46	36.14	2.59	0.002%
50	-2.58	-36.14	-4.48	2.58	36.14	4.48	0.002%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	6	0.00000001	0.00000001
2	Yes	15	0.00014139	0.00013585
3	Yes	15	0.00008937	0.00011197
4	Yes	20	0.00000001	0.00008948
5	Yes	19	0.00000001	0.00013283
6	Yes	20	0.00000001	0.00009160
7	Yes	19	0.00000001	0.00013618
8	Yes	15	0.00014140	0.00014954
9	Yes	15	0.00008938	0.00012335
10	Yes	20	0.00000001	0.00009051
11	Yes	19	0.00000001	0.00013438
12	Yes	20	0.00000001	0.00009196
13	Yes	19	0.00000001	0.00013663
14	Yes	15	0.00014141	0.00012590
15	Yes	15	0.00008938	0.00010495
16	Yes	20	0.00000001	0.00009128
17	Yes	19	0.00000001	0.00013568
18	Yes	20	0.00000001	0.00008887
19	Yes	19	0.00000001	0.00013198
20	Yes	16	0.00006613	0.00008704
21	Yes	15	0.00008938	0.00014528
22	Yes	20	0.00000001	0.00009265
23	Yes	19	0.00000001	0.00013764
24	Yes	20	0.00000001	0.00009149
25	Yes	19	0.00000001	0.00013575
26	Yes	12	0.00000001	0.00001536
27	Yes	18	0.00012302	0.00005955
28	Yes	18	0.00012277	0.00010478
29	Yes	18	0.00012279	0.00010686
30	Yes	18	0.00012308	0.00005874
31	Yes	18	0.00012279	0.00010337
32	Yes	18	0.00012276	0.00010435
33	Yes	18	0.00012299	0.00005856
34	Yes	18	0.00012268	0.00010539
35	Yes	18	0.00012267	0.00010316
36	Yes	18	0.00012293	0.00005929
37	Yes	18	0.00012266	0.00010860
38	Yes	18	0.00012269	0.00010778
39	Yes	15	0.00011179	0.00003161
40	Yes	15	0.00011168	0.00003487
41	Yes	15	0.00011168	0.00004027
42	Yes	15	0.00011178	0.00003190
43	Yes	15	0.00011169	0.00003494
44	Yes	15	0.00011168	0.00003815
45	Yes	15	0.00011179	0.00003147
46	Yes	15	0.00011165	0.00003932
47	Yes	15	0.00011164	0.00003378
48	Yes	15	0.00011173	0.00003203
49	Yes	15	0.00011165	0.00003987
50	Yes	15	0.00011166	0.00003680

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	147.5 - 108.5	23.1240	50	1.3226	0.0017
L2	112.25 - 72.25	13.6954	50	1.1815	0.0014
L3	76.75 - 35.75	6.2091	50	0.7863	0.0006
L4	41 - 0	1.7311	50	0.3867	0.0002

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
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Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
147.00	TD-RRH8X20-25	50	22.9851	1.3215	0.0017	47686
145.00	TME-800MHz 2X50W RRH W/FILTER	50	22.4294	1.3172	0.0016	47686
137.00	DB-T1-6Z-8AB-0Z	50	20.2158	1.2985	0.0016	22707
117.00	RRUS 32 B2	50	14.8860	1.2149	0.0014	7816
115.00	Side Arm Mount [SO 102-3]	50	14.3802	1.2016	0.0014	7346
107.00	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	50	12.4255	1.1367	0.0013	6382
49.00	Side Arm Mount [SO 701-1]	50	2.4451	0.4697	0.0003	4569

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	147.5 - 108.5	107.6070	24	6.1731	0.0074
L2	112.25 - 72.25	63.7374	24	5.5124	0.0061
L3	76.75 - 35.75	28.8931	24	3.6645	0.0026
L4	41 - 0	8.0512	24	1.7996	0.0010

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
147.00	TD-RRH8X20-25	24	106.9605	6.1681	0.0076	10424
145.00	TME-800MHz 2X50W RRH W/FILTER	24	104.3753	6.1480	0.0075	10424
137.00	DB-T1-6Z-8AB-0Z	24	94.0764	6.0600	0.0073	4962
117.00	RRUS 32 B2	24	69.2779	5.6685	0.0064	1704
115.00	Side Arm Mount [SO 102-3]	24	66.9241	5.6066	0.0063	1601
107.00	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	24	57.8277	5.3029	0.0057	1388
49.00	Side Arm Mount [SO 701-1]	24	11.3738	2.1866	0.0012	983

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L1	147.5 - 108.5 (1)	TP29.41x22x0.25	39.00	0.00	0.0	22.573 1	-14.98	1218.95	0.012

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio P _u φP _n
L2	108.5 - 72.25 (2)	TP35.798x28.1975x0.25	40.00	0.00	0.0	27.528 9	-23.49	1610.44	0.015
L3	72.25 - 35.75 (3)	TP42.232x34.4429x0.312 5	41.00	0.00	0.0	40.589 6	-31.56	2374.49	0.013
L4	35.75 - 0 (4)	TP48.4x40.6096x0.375	41.00	0.00	0.0	57.161 8	-43.35	3343.96	0.013

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{nx} kip-ft	Ratio M _{ux} φM _{nx}	M _{uy} kip-ft	φM _{ny} kip-ft	Ratio M _{uy} φM _{ny}
L1	147.5 - 108.5 (1)	TP29.41x22x0.25	307.35	872.02	0.352	0.00	872.02	0.000
L2	108.5 - 72.25 (2)	TP35.798x28.1975x0.25	937.83	1300.01	0.721	0.00	1300.01	0.000
L3	72.25 - 35.75 (3)	TP42.232x34.4429x0.312 5	1673.10	2309.75	0.724	0.00	2309.75	0.000
L4	35.75 - 0 (4)	TP48.4x40.6096x0.375	2608.41	3847.06	0.678	0.00	3847.06	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V _u K	φV _n K	Ratio V _u φV _n	Actual T _u kip-ft	φT _n kip-ft	Ratio T _u φT _n
L1	147.5 - 108.5 (1)	TP29.41x22x0.25	13.92	365.68	0.038	0.20	911.02	0.000
L2	108.5 - 72.25 (2)	TP35.798x28.1975x0.25	19.37	483.13	0.040	0.20	1467.87	0.000
L3	72.25 - 35.75 (3)	TP42.232x34.4429x0.312 5	21.68	712.35	0.030	0.22	2552.88	0.000
L4	35.75 - 0 (4)	TP48.4x40.6096x0.375	23.84	1003.19	0.024	0.22	4219.20	0.000

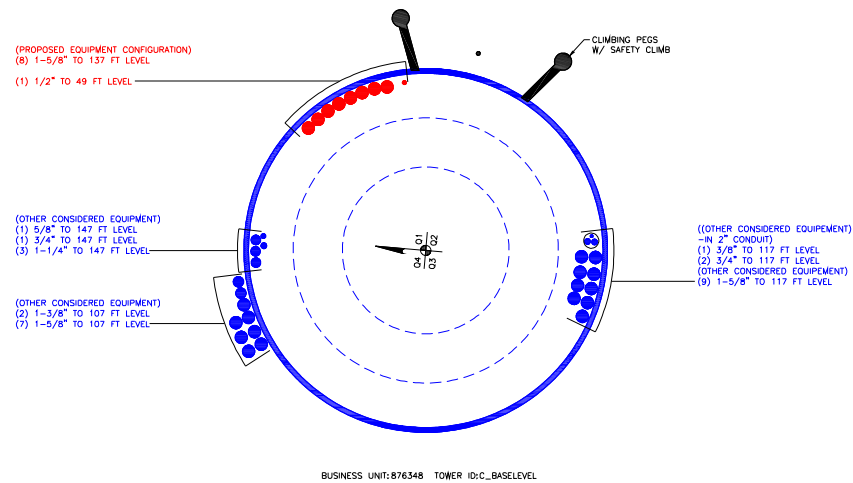
Pole Interaction Design Data

Section No.	Elevation ft	Ratio P _u φP _n	Ratio M _{ux} φM _{nx}	Ratio M _{uy} φM _{ny}	Ratio V _u φV _n	Ratio T _u φT _n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	147.5 - 108.5 (1)	0.012	0.352	0.000	0.038	0.000	0.366	1.050	4.8.2
L2	108.5 - 72.25 (2)	0.015	0.721	0.000	0.040	0.000	0.738	1.050	4.8.2
L3	72.25 - 35.75 (3)	0.013	0.724	0.000	0.030	0.000	0.739	1.050	4.8.2
L4	35.75 - 0 (4)	0.013	0.678	0.000	0.024	0.000	0.692	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	147.5 - 108.5	Pole	TP29.41x22x0.25	1	-14.98	1279.90	34.9	Pass
L2	108.5 - 72.25	Pole	TP35.798x28.1975x0.25	2	-23.49	1690.96	70.2	Pass
L3	72.25 - 35.75	Pole	TP42.232x34.4429x0.3125	3	-31.56	2493.21	70.3	Pass
L4	35.75 - 0	Pole	TP48.4x40.6096x0.375	4	-43.35	3511.16	65.9	Pass
							Summary	
							Pole (L3)	70.3 Pass
							RATING =	70.3 Pass

APPENDIX B
BASE LEVEL DRAWING



APPENDIX C

ADDITIONAL CALCULATIONS

Monopole Base Plate Connection

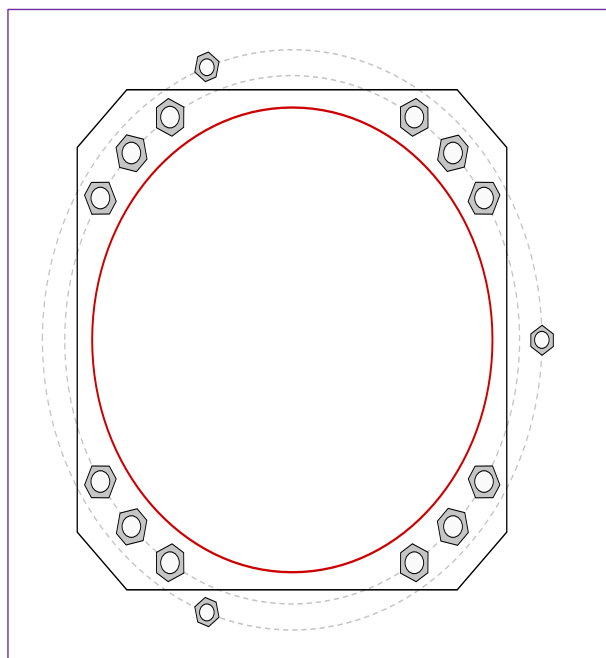


Site Info	
BU #	876348
Site Name	Enfield
Order #	552666 Rev 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	See Custom Sheet
I_{ar} (in)	See Custom Sheet

Applied Loads	
Moment (kip-ft)	2608.41
Axial Force (kips)	43.35
Shear Force (kips)	23.84

*TIA-222-H Section 15.5 Applied



Connection Properties

Anchor Rod Data

GROUP 1: (12) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 55" BC

Anchor Spacing: 6 in

GROUP 2: (3) 1-3/4" ϕ bolts (A193 Gr. B7 N; $F_y=105$ ksi, $F_u=125$ ksi) on 60.4" BC

Base Plate Data

52" W x 3" Plate (A572-50; $F_y=50$ ksi, $F_u=65$ ksi); Clip: 6 in

Stiffener Data

N/A

Pole Data

48.4" x 0.375" 18-sided pole (A607-65; $F_y=65$ ksi, $F_u=80$ ksi)

Analysis Results

Anchor Rod Summary

(units of kips, kip-in)

GROUP 1:

$Pu_t = 161.72$	$\phi Pn_t = 243.75$	Stress Rating
$Vu = 1.99$	$\phi Vn = 149.1$	63.2%
$Mu = 3.71$	$\phi Mn = 128.14$	Pass

GROUP 2:

$Pu_t = 104.92$	$\phi Pn_t = 178.13$	Stress Rating
$Vu = 0$	$\phi Vn = 112.75$	56.1%
$Mu = n/a$	$\phi Mn = n/a$	Pass

Base Plate Summary

Max Stress (ksi):	24.93	(Flexural)
Allowable Stress (ksi):	45	
Stress Rating:	52.8%	Pass

CClplate

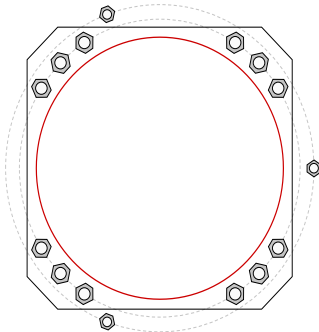
Elevation (ft) 0 (Base)

note: Bending interaction not considered when Grout Considered = "Yes"

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending	Grout Considered	Apply at BARB Elevation	BARB CL Elevation (ft)
1	Yes	Yes	Yes	No	No	
2	No	No	No	No	No	

Custom Bolt Connection										
Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η	I_{ar} (in):	Thread Type	Area Override, in ²	Tension Only
1	1	32.4741737	2.25	A615-75	55	0.5	2.875	N-Included		No
2	1	45	2.25	A615-75	55	0.5	2.875	N-Included		No
3	1	57.5258263	2.25	A615-75	55	0.5	2.875	N-Included		No
4	1	122.474174	2.25	A615-75	55	0.5	2.875	N-Included		No
5	1	135	2.25	A615-75	55	0.5	2.875	N-Included		No
6	1	147.525826	2.25	A615-75	55	0.5	2.875	N-Included		No
7	1	212.474174	2.25	A615-75	55	0.5	2.875	N-Included		No
8	1	225	2.25	A615-75	55	0.5	2.875	N-Included		No
9	1	237.525826	2.25	A615-75	55	0.5	2.875	N-Included		No
10	1	302.474174	2.25	A615-75	55	0.5	2.875	N-Included		No
11	1	315	2.25	A615-75	55	0.5	2.875	N-Included		No
12	1	327.525826	2.25	A615-75	55	0.5	2.875	N-Included		No
13	2	0	1.75	A193 Gr. B7	60.4		0	N-Included		No
14	2	110	1.75	A193 Gr. B7	60.4		0	N-Included		No
15	2	250	1.75	A193 Gr. B7	60.4		0	N-Included		No

Plot Graphic



Pier and Pad Foundation



BU # : 876348
 Site Name: Enfield
 App. Number: 552666 Rev 0

TIA-222 Revision: H
 Tower Type: Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp} :	43	kips
Base Shear, V_{u_comp} :	24	kips
Moment, M_u :	2608	ft-kips
Tower Height, H :	147.5	ft
BP Dist. Above Fdn, b_{pdist} :	6	in

Pier Properties		
Pier Shape:	Square	
Pier Diameter, d_{pier} :	8	ft
Ext. Above Grade, E :	0.5	ft
Pier Rebar Size, S_c :	11	
Pier Rebar Quantity, m_c :	24	
Pier Tie/Spiral Size, S_t :	5	
Pier Tie/Spiral Quantity, m_t :	12	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

Pad Properties		
Depth, D :	9.8	ft
Pad Width, W_1 :	23.8	ft
Pad Thickness, T :	2.8	ft
Pad Rebar Size (Bottom dir. 2), Sp_2 :	9	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	23	
Pad Clear Cover, cc_{pad} :	3	in

Material Properties		
Rebar Grade, F_y :	60	ksi
Concrete Compressive Strength, F'_c :	3	ksi
Dry Concrete Density, δ_c :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	115	pcf
Ultimate Net Bearing, Q_{net} :	6.500	ksf
Cohesion, C_u :	1.500	ksf
Friction Angle, ϕ :		degrees
SPT Blow Count, N_{blows} :	12	
Base Friction, μ :		
Neglected Depth, N :	4.00	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	4	ft

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	885.44	24.00	2.6%	Pass
Bearing Pressure (ksf)	5.45	2.05	37.7%	Pass
Overturning (kip*ft)	5473.89	2867.20	52.4%	Pass
Pier Flexure (Comp.) (kip*ft)	6905.11	2788.00	38.5%	Pass
Pier Compression (kip)	30551.04	115.02	0.4%	Pass
Pad Flexure (kip*ft)	2893.92	864.22	28.4%	Pass
Pad Shear - 1-way (kips)	678.31	150.24	21.1%	Pass
Pad Shear - 2-way (Comp) (ksi)	0.164	0.029	16.9%	Pass
Flexural 2-way (Comp) (kip*ft)	3915.02	1672.80	40.7%	Pass

*Rating per TIA-222-H Section 15.5

Soil Rating*:	52.4%
Structural Rating*:	40.7%

<--Toggle between Gross and Net

ASCE 7 Hazards Report

Address:

No Address at This
Location

Standard: ASCE/SEI 7-10

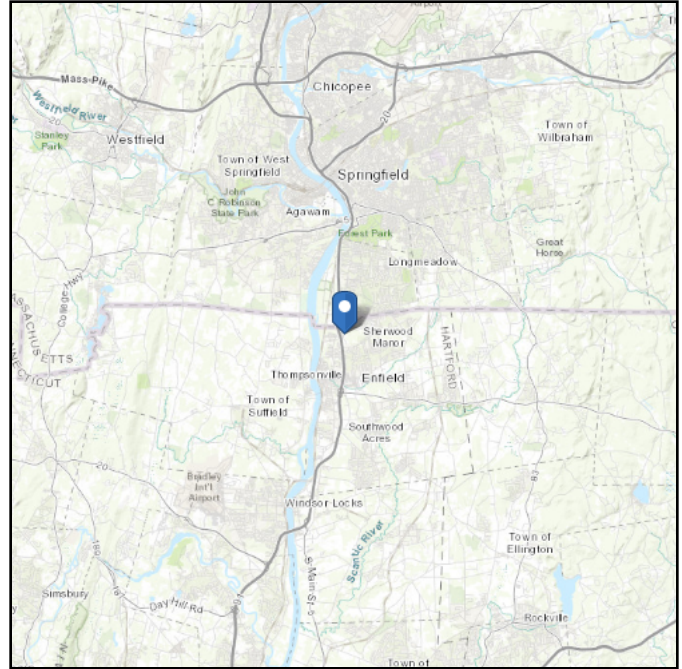
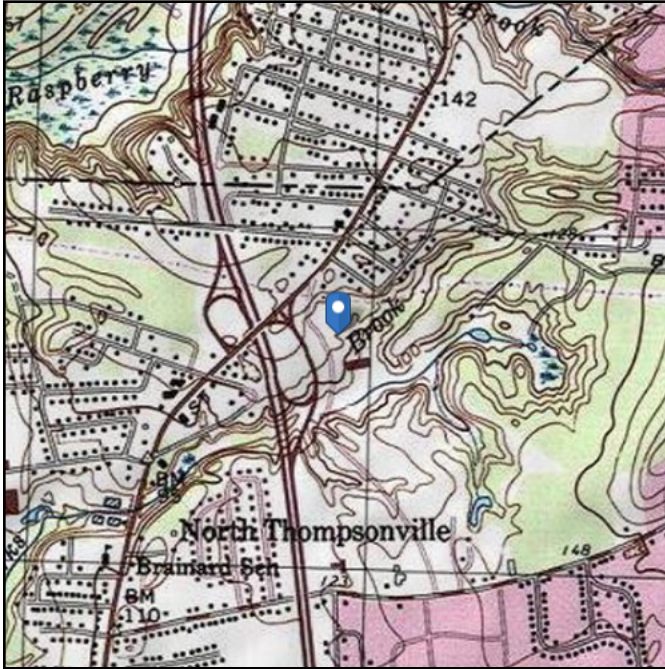
Risk Category: II

Soil Class: D - Stiff Soil

Elevation: 110.38 ft (NAVD 88)

Latitude: 42.020808

Longitude: -72.585164



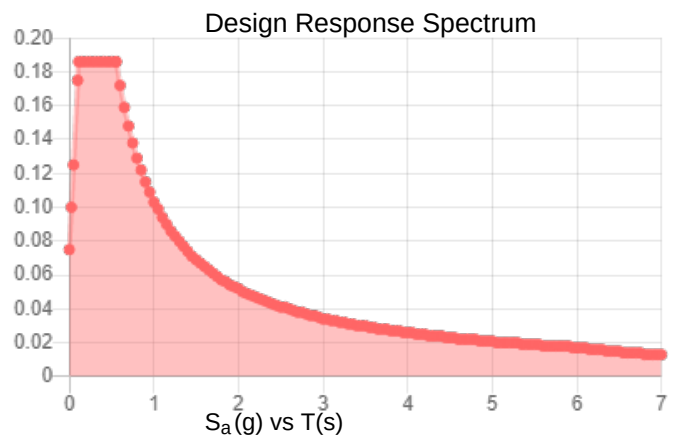
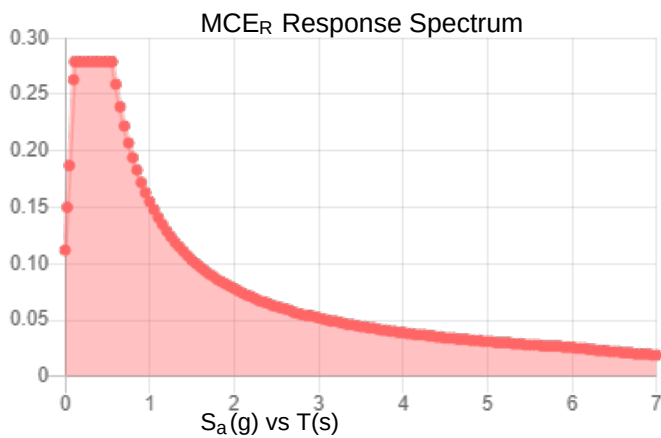
Wind

Site Soil Class: D - Stiff Soil

Results:

S_S :	0.175	S_{DS} :	0.186
S_1 :	0.065	S_{D1} :	0.103
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.085
S_{MS} :	0.279	PGA_M :	0.137
S_{M1} :	0.155	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B



Data Accessed:

Mon Apr 26 2021

Date Source:

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

Exhibit E

Mount Analysis



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

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10037790
Maser Consulting Connecticut Project #: 21777027A

March 31, 2021

Site Information

Site ID: 467263-VZW / North Thompsonville
Site Name: North Thompsonville
Carrier Name: Verizon Wireless
Address: 1 Bright Meadow Blvd
Enfield, Connecticut 06082
Hartford County
Latitude: 42.020846°
Longitude: -72.585283°

Structure Information

Tower Type: Monopole
Mount Type: 13.42-Ft Platform

FUZE ID # 16231985

Analysis Results

Platform: 83.5% Pass

***Contractor PMI Requirements:

Included at the end of this MA report

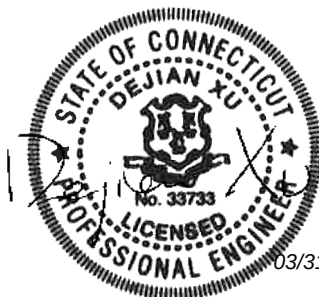
Available & Submitted via portal at <https://pmi.vzwsmart.com>

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: Andy Hanes



03/31/2021

Executive Summary:

The objective of this report is to determine the capacity of the antenna support mount at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS, Site ID: 324433, dated September 2, 2020
Mount Mapping Report	Level-Up Towers, Site ID: 467263, dated February 17, 2021

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 116 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.50 in Risk Category: II Exposure Category: B Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.996
Seismic Parameters:	S_s : 0.171 S_1 : 0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 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
135.00	135.00	3	Samsung	XXDWMM-12.5-65	Added
	138.50	3	Samsung	MT6407-77A	
	137.00	6	Andrew	SBNHH-1D65B	Retained
		3	Antel	BXA-70063/4CF	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		2	Raycap	RRFDC-3315-PF-48	

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation and field observations. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Connection	83.5%	Pass
Back Standoff HSS	68.0%	Pass
Front Standoff HSS	31.0%	Pass
Standoff Bracing Angle	44.0%	Pass
Face Angle	57.0%	Pass
Corner Angle	16.0%	Pass
Handrail	22.0%	Pass
Bottom Rail	27.0%	Pass
Mount Pipe	50.0%	Pass

Structure Rating – (Controlling Utilization of all Components)	83.5%
---	--------------

Recommendation:

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

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

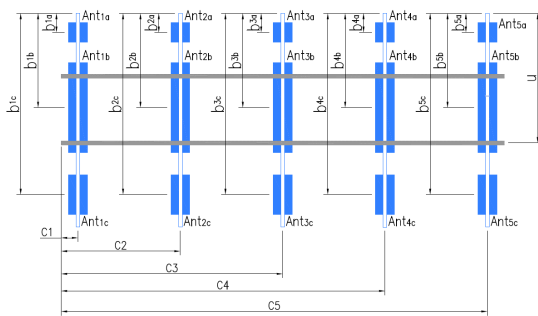
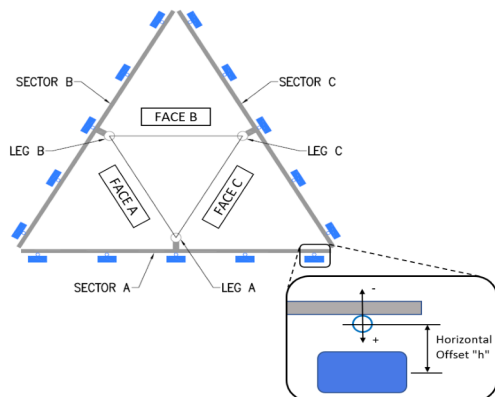
Attachments:

1. Mount Photos
2. Cost Estimate
3. Mount Mapping Report (for reference only)
4. Analysis Calculations
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage



FCC

Tower Owner:	Crown Castle	Mapping Date:	2/17/2021
Site Name:	North Thompsonville	Tower Type:	Monopole
Site Number or ID:	467263	Tower Height (Ft.):	
Mapping Contractor:	Level-Up Towers	Mount Elevation (Ft.):	132.5



Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "U"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "U"	Horizontal Offset "C1, C2, C3, etc."
A1	2.38x0.16", 78" Long	46.00	12.00	C1	2.38x0.16", 78" Long	46.00	12.00
A2	2.38x0.16", 78" Long	46.00	76.00	C2	2.38x0.16", 78" Long	46.00	76.00
A3	2.38x0.16", 78" Long	46.00	125.00	C3	2.38x0.16", 78" Long	46.00	125.00
A4	2.38x0.16", 78" Long	46.00	151.00	C4	2.38x0.16", 78" Long	46.00	151.00
A5				C5			
A6				C6			
B1	2.38x0.16", 78" Long	46.00	12.00	D1			
B2	2.38x0.16", 78" Long	46.00	76.00	D2			
B3	2.38x0.16", 78" Long	46.00	125.00	D3			
B4	2.38x0.16", 78" Long	46.00	151.00	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional information or comments below.							
Tower Face Width at Mount Elev. (ft.):				Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):		12.25	

[illegible]

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector				Sector B																	
Sector A:	30.00	Deg	Leg A:		Deg			Ant _{1a}	Commscope SBNHH-1	12.00	7.50	73.00		134.417	23.00	11.00	130.00	53							
Sector B:	150.00	Deg	Leg B:		Deg			Ant _{1b}	Commscope SBNHH-1	12.00	7.50	73.00		134.417	23.00	11.00	130.00	53							
								Ant _{1c}	Samsung RFV01U-D2J	16.00	10.00	15.00		134.583	21.00	8.50	130.00	59							
Sector C:	270.00	Deg	Leg C:		Deg			Ant _{2a}	Amphenol BXA-70063	3.00	11.00	70.00		133.583	33.00	9.00	130.00	62							
Sector D:		Deg	Leg D:		Deg			Ant _{2b}	Samsung RFV01U-D2J	16.00	10.00	15.00		134.75	19.00	8.50	130.00	66							
Climbing Facility Information								Ant _{2c}																	
Location:	120.00	Deg	Sector B					Ant _{3a}																	
Climbing Facility	Corrosion Type:		Good condition.					Ant _{3b}																	
	Access:		Climbing path was obstructed.					Ant _{3c}																	
	Condition:		Missing safety cable.					Ant _{4a}	Amphenol BXA-70063	11.50	6.00	47.50	2 - 1-5/8	133.667	32.00	9.00	130.00	70							
								Ant _{4b}																	
								Ant _{4c}																	
								Ant _{5a}																	
								Ant _{5b}																	
								Ant _{5c}																	
								Ant on Standoff																	
								Ant on Standoff																	
								Ant on Tower																	
								Ant on Tower																	
								Sector C																	
								Ant _{1a}	Commscope SBNHH-1	12.00	7.50	73.00			134.417	23.00	11.00	240.00	73						
								Ant _{1b}	Commscope SBNHH-1	12.00	7.50	73.00			134.417	23.00	11.00	240.00	73						
								Ant _{1c}	Samsung RFV01U-D2J	16.00	10.00	15.00			134.583	21.00	8.50	240.00	77						
								Ant _{2a}	Amphenol BXA-70063	3.00	11.00	70.00			133.583	33.00	9.00	240.00	79						
								Ant _{2b}	Samsung RFV01U-D2J	16.00	10.00	15.00			134.75	19.00	8.50	240.00	81						
Ant _{2c}																									
Ant _{3a}																									
Ant _{3b}																									
Ant _{3c}																									
Ant _{4a}	Amphenol BXA-70063	11.50	6.00	47.50	2 - 1-5/8	133.667	32.00	9.00	240.00	83															
Ant _{4b}																									
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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	No safety cable installed - only yellow tabs for fall protection	5
2		
3		
4		
5		
6		
7		
8		

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



Antenna Mount Mapping Form (PATENT PENDING)

FCC #

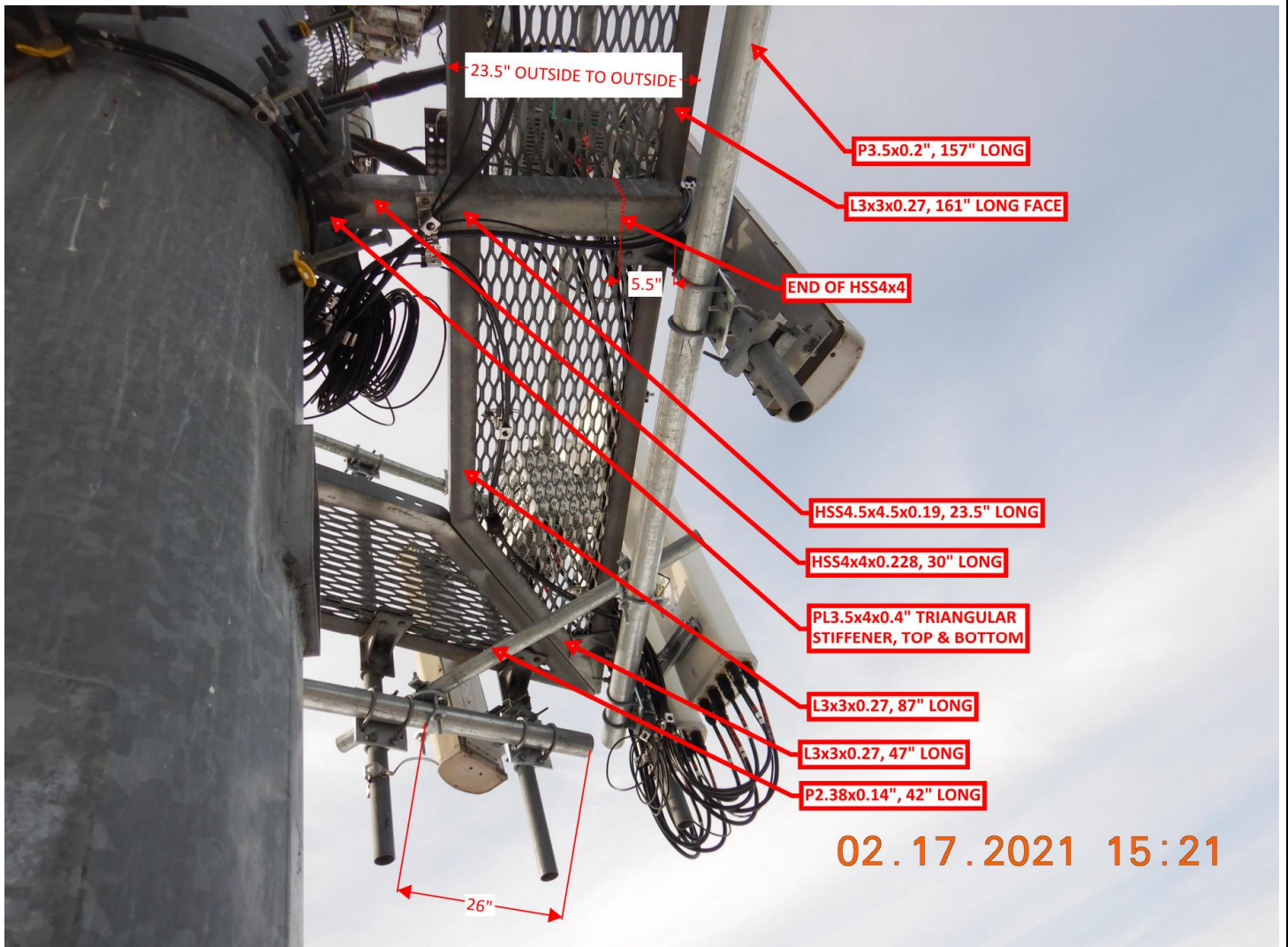
Tower Owner:	Crown Castle	Mapping Date:	2/17/2021
Site Name:	North Thompsonville	Tower Type:	Monopole
Site Number or ID:	467263	Tower Height (Ft.):	
Mapping Contractor:	Level-Up Towers	Mount Elevation (Ft.):	132.5

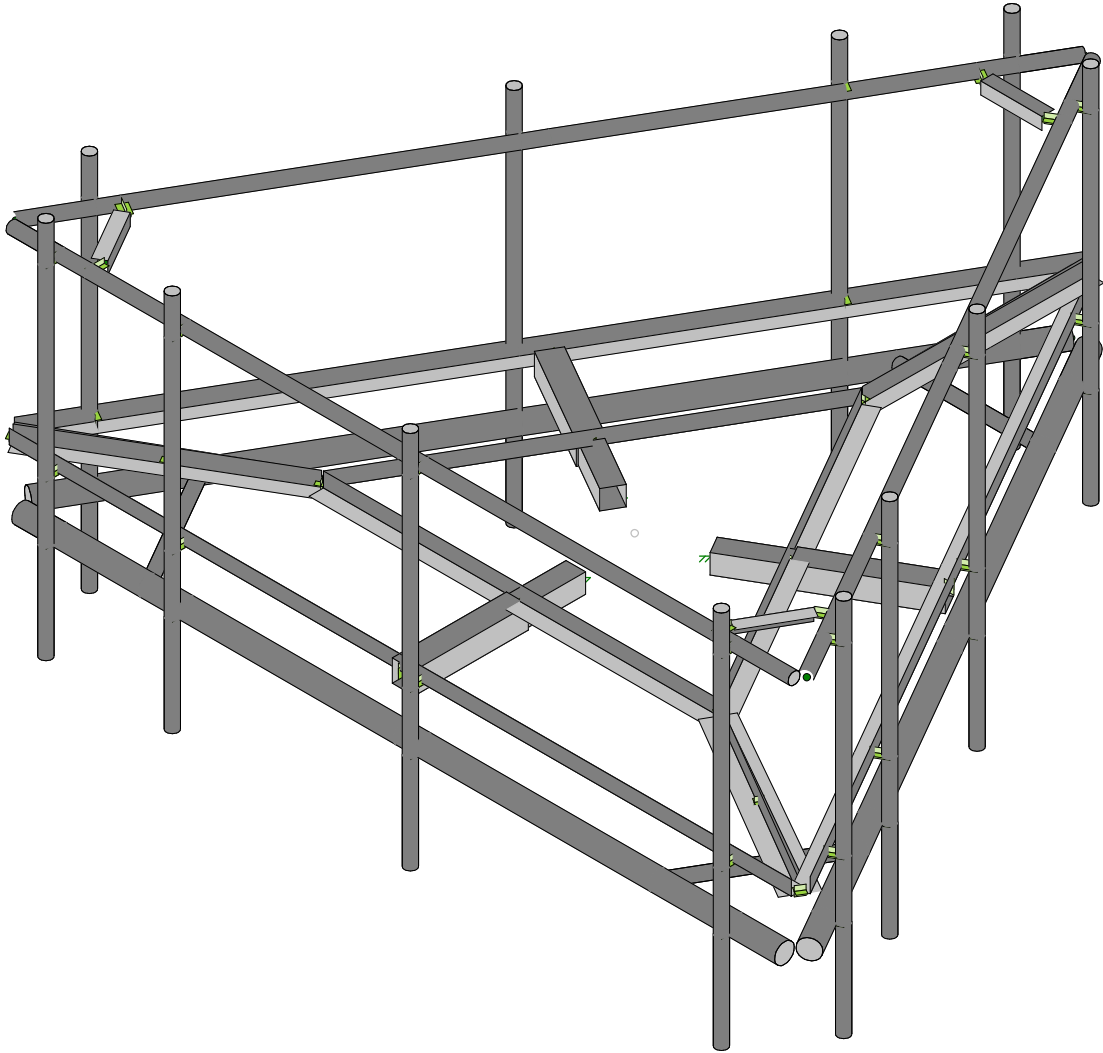
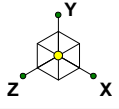
This antenna mapping form is the property of TES and under **PATENT PENDING**. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warranting the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

Please Insert Sketches of the Antenna Mount









Envelope Only Solution

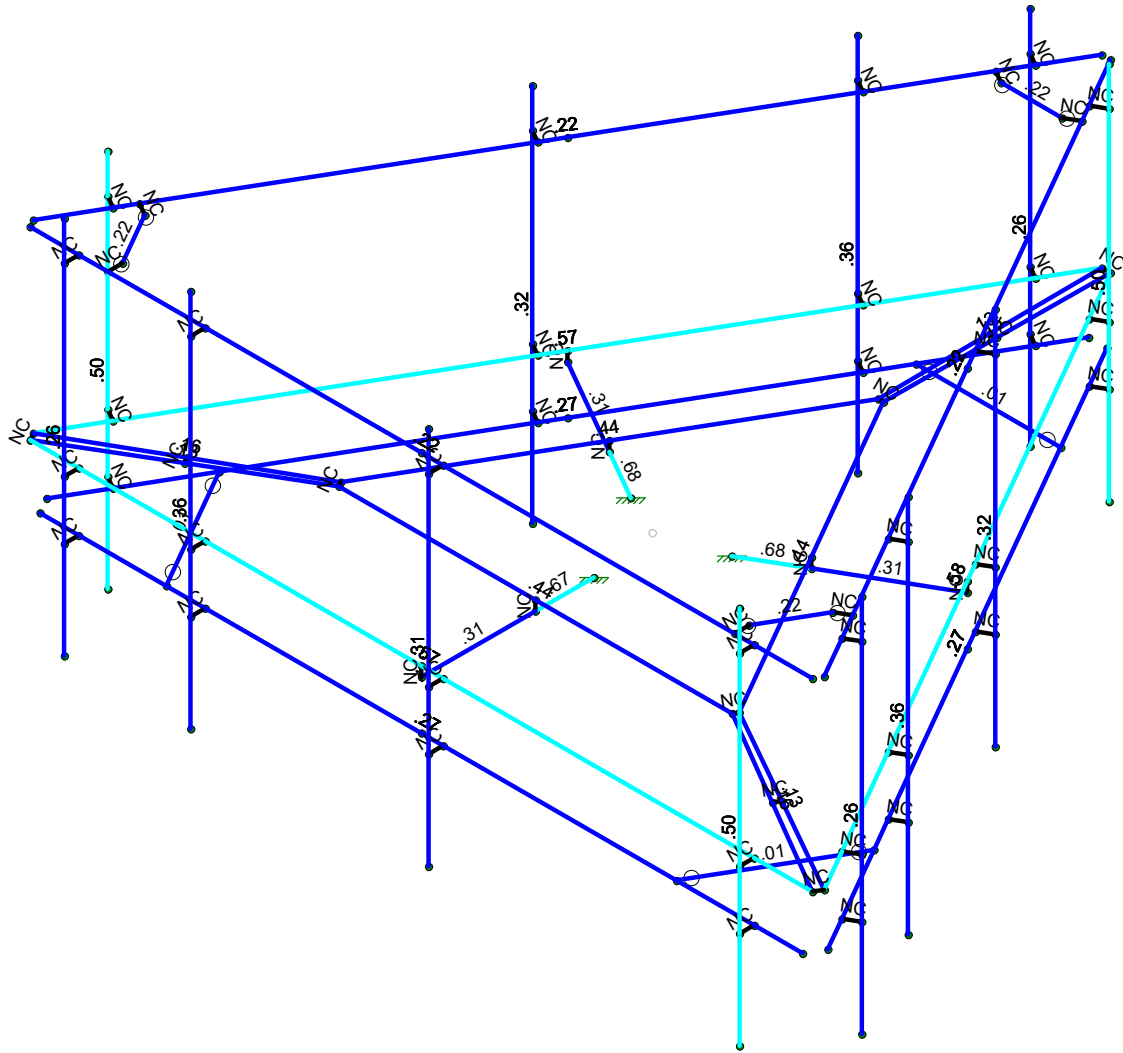
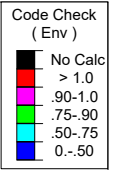
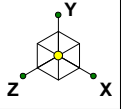
Maser Consulting

467263-VZW_MT_LO_H

SK - 1

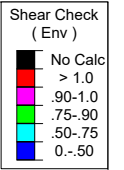
Mar 31, 2021 at 11:16 AM

467263-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

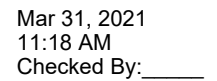
Maser Consulting	467263-VZW_MT_LO_H	SK - 2
		Mar 31, 2021 at 11:17 AM
		467263-VZW_MT_LO_H.r3d



Maser Consulting	467263-VZW_MT_LO_H	SK - 3
		Mar 31, 2021 at 11:18 AM
		467263-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					99		
2	Antenna Di	None					99		
3	Antenna Wo (0 Deg)	None					99		
4	Antenna Wo (30 Deg)	None					99		
5	Antenna Wo (60 Deg)	None					99		
6	Antenna Wo (90 Deg)	None					99		
7	Antenna Wo (120 Deg)	None					99		
8	Antenna Wo (150 Deg)	None					99		
9	Antenna Wo (180 Deg)	None					99		
10	Antenna Wo (210 Deg)	None					99		
11	Antenna Wo (240 Deg)	None					99		
12	Antenna Wo (270 Deg)	None					99		
13	Antenna Wo (300 Deg)	None					99		
14	Antenna Wo (330 Deg)	None					99		
15	Antenna Wi (0 Deg)	None					99		
16	Antenna Wi (30 Deg)	None					99		
17	Antenna Wi (60 Deg)	None					99		
18	Antenna Wi (90 Deg)	None					99		
19	Antenna Wi (120 Deg)	None					99		
20	Antenna Wi (150 Deg)	None					99		
21	Antenna Wi (180 Deg)	None					99		
22	Antenna Wi (210 Deg)	None					99		
23	Antenna Wi (240 Deg)	None					99		
24	Antenna Wi (270 Deg)	None					99		
25	Antenna Wi (300 Deg)	None					99		
26	Antenna Wi (330 Deg)	None					99		
27	Antenna Wm (0 Deg)	None					99		
28	Antenna Wm (30 Deg)	None					99		
29	Antenna Wm (60 Deg)	None					99		
30	Antenna Wm (90 Deg)	None					99		
31	Antenna Wm (120 Deg)	None					99		
32	Antenna Wm (150 Deg)	None					99		
33	Antenna Wm (180 Deg)	None					99		
34	Antenna Wm (210 Deg)	None					99		
35	Antenna Wm (240 Deg)	None					99		
36	Antenna Wm (270 Deg)	None					99		
37	Antenna Wm (300 Deg)	None					99		
38	Antenna Wm (330 Deg)	None					99		
39	Structure D	None		-1					3
40	Structure Di	None						42	3
41	Structure Wo (0 Deg)	None						84	
42	Structure Wo (30 Deg)	None						84	
43	Structure Wo (60 Deg)	None						84	
44	Structure Wo (90 Deg)	None						84	
45	Structure Wo (120 D...	None						84	
46	Structure Wo (150 D...	None						84	
47	Structure Wo (180 D...	None						84	
48	Structure Wo (210 D...	None						84	
49	Structure Wo (240 D...	None						84	
50	Structure Wo (270 D...	None						84	
51	Structure Wo (300 D...	None						84	
52	Structure Wo (330 D...	None						84	
53	Structure Wi (0 Deg)	None						84	
54	Structure Wi (30 Deg)	None						84	
55	Structure Wi (60 Deg)	None						84	
56	Structure Wi (90 Deg)	None						84	

Page 2

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	-0.166667	0	0	
2	N2	6.708333	0	0	0	
3	N3	-6.708333	0	0	0	
4	N4	0	0	-1.958333	0	
5	N5	3.375	0	-1.958333	0	
6	N6	-3.375	0	-1.958333	0	
7	N7	0	-0.166667	-2.958333	0	
8	N8	0	0	-3.958333	0	
9	N23A	0	0	0	0	
10	N26	0	-0.166667	-1.958333	0	
11	N11	3.428017	-0.166667	-5.9375	0	
12	N12	0.073851	0	-11.747087	0	
13	N13	6.782184	0	-0.127913	0	
14	N14	1.732051	0	-4.958333	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N15	0.044551	0	-7.881169	0	
16	N16	3.419551	0	-2.035498	0	
17	N17	0.866025	-0.166667	-4.458333	0	
18	N19	3.428017	0	-5.9375	0	
19	N20	1.732051	-0.166667	-4.958333	0	
20	N21	-3.428017	-0.166667	-5.9375	0	
21	N22	-6.782184	0	-0.127913	0	
22	N23	-0.073851	0	-11.747087	0	
23	N24	-1.732051	0	-4.958333	0	
24	N25	-3.419551	0	-2.035498	0	
25	N26A	-0.044551	0	-7.881169	0	
26	N27	-0.866025	-0.166667	-4.458333	0	
27	N29	-3.428017	0	-5.9375	0	
28	N30	-1.732051	-0.166667	-4.958333	0	
29	N29A	0	-1	0	0	
30	N30A	6.541667	-1	0	0	
31	N31	-6.541667	-1	0	0	
32	N32	0	3.166667	0	0	
33	N33	6.708333	3.166667	0	0	
34	N34	-6.708333	3.166667	0	0	
35	N35	-5.375	3.166667	0	0	
36	N36	5.375	3.166667	0	0	
37	N37	-4.375	-1	0	0	
38	N38	4.375	-1	0	0	
39	N40	3.428017	-1	-5.9375	0	
40	N41	0.157184	-1	-11.60275	0	
41	N42	6.698851	-1	-0.27225	0	
42	N43	3.428017	3.166667	-5.9375	0	
43	N44	0.073851	3.166667	-11.747087	0	
44	N45	6.782184	3.166667	-0.127913	0	
45	N46	6.115517	3.166667	-1.282613	0	
46	N47	0.740517	3.166667	-10.592387	0	
47	N48	5.615517	-1	-2.148639	0	
48	N49	1.240517	-1	-9.726361	0	
49	N51	-3.428017	-1	-5.9375	0	
50	N52	-6.698851	-1	-0.27225	0	
51	N53	-0.157184	-1	-11.60275	0	
52	N54	-3.428017	3.166667	-5.9375	0	
53	N55	-6.782184	3.166667	-0.127913	0	
54	N56	-0.073851	3.166667	-11.747087	0	
55	N57	-0.740517	3.166667	-10.592387	0	
56	N58	-6.115517	3.166667	-1.282613	0	
57	N59	-1.240517	-1	-9.726361	0	
58	N60	-5.615517	-1	-2.148639	0	
59	N59A	-5.375	3.166667	-.25	0	
60	N60A	5.375	3.166667	-.25	0	
61	N64	5.899011	3.166667	-1.157613	0	
62	N65	0.524011	3.166667	-10.467387	0	
63	N69	-0.524011	3.166667	-10.467387	0	
64	N70	-5.899011	3.166667	-1.157613	0	
65	N65A	5.708333	3.166667	0	0	
66	N66	5.708333	-1	0	0	
67	N67	5.708333	3.166667	.25	0	
68	N68	5.708333	-1	.25	0	
69	N69A	5.708333	-0.	0	0	
70	N70A	5.708333	-0.	.25	0	
71	N71	5.708333	3.833333	.25	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N72	5.708333	-2.666667	.25	0	
73	N73	.375	3.166667	0	0	
74	N74	.375	-1	0	0	
75	N75	.375	3.166667	.25	0	
76	N76	.375	-1	.25	0	
77	N77	.375	-0.	0	0	
78	N78	.375	-0.	.25	0	
79	N79	.375	3.833333	.25	0	
80	N80	.375	-2.666667	.25	0	
81	N81	-3.708333	3.166667	0	0	
82	N82	-3.708333	-1	0	0	
83	N83	-3.708333	3.166667	.25	0	
84	N84	-3.708333	-1	.25	0	
85	N85	-3.708333	-0.	0	0	
86	N86	-3.708333	-0.	.25	0	
87	N87	-3.708333	3.833333	.25	0	
88	N88	-3.708333	-2.666667	.25	0	
89	N89	-5.875	3.166667	0	0	
90	N90	-5.875	-1	0	0	
91	N91	-5.875	3.166667	.25	0	
92	N92	-5.875	-1	.25	0	
93	N93	-5.875	-0.	0	0	
94	N94	-5.875	-0.	.25	0	
95	N95	-5.875	3.833333	.25	0	
96	N96	-5.875	-2.666667	.25	0	
97	N98	0.573851	3.166667	-10.881062	0	
98	N99	0.573851	-1	-10.881062	0	
99	N100	0.790357	3.166667	-11.006062	0	
100	N101	0.790357	-1	-11.006062	0	
101	N102	0.573851	-0.	-10.881062	0	
102	N103	0.790357	-0.	-11.006062	0	
103	N104	0.790357	3.833333	-11.006062	0	
104	N105	0.790357	-2.666667	-11.006062	0	
105	N106	3.240517	3.166667	-6.26226	0	
106	N107	3.240517	-1	-6.26226	0	
107	N108	3.457024	3.166667	-6.38726	0	
108	N109	3.457024	-1	-6.38726	0	
109	N110	3.240517	-0.	-6.26226	0	
110	N111	3.457024	-0.	-6.38726	0	
111	N112	3.457024	3.833333	-6.38726	0	
112	N113	3.457024	-2.666667	-6.38726	0	
113	N114	5.282184	3.166667	-2.725989	0	
114	N115	5.282184	-1	-2.725989	0	
115	N116	5.49869	3.166667	-2.850989	0	
116	N117	5.49869	-1	-2.850989	0	
117	N118	5.282184	-0.	-2.725989	0	
118	N119	5.49869	-0.	-2.850989	0	
119	N120	5.49869	3.833333	-2.850989	0	
120	N121	5.49869	-2.666667	-2.850989	0	
121	N122	6.365517	3.166667	-0.849601	0	
122	N123	6.365517	-1	-0.849601	0	
123	N124	6.582024	3.166667	-0.974601	0	
124	N125	6.582024	-1	-0.974601	0	
125	N126	6.365517	-0.	-0.849601	0	
126	N127	6.582024	-0.	-0.974601	0	
127	N128	6.582024	3.833333	-0.974601	0	
128	N129	6.582024	-2.666667	-0.974601	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N131	-6.282184	3.166667	-0.993938	0	
130	N132	-6.282184	-1	-0.993938	0	
131	N133	-6.49869	3.166667	-1.118938	0	
132	N134	-6.49869	-1	-1.118938	0	
133	N135	-6.282184	-0.	-0.993938	0	
134	N136	-6.49869	-0.	-1.118938	0	
135	N137	-6.49869	3.833333	-1.118938	0	
136	N138	-6.49869	-2.666667	-1.118938	0	
137	N139	-3.615517	3.166667	-5.61274	0	
138	N140	-3.615517	-1	-5.61274	0	
139	N141	-3.832024	3.166667	-5.73774	0	
140	N142	-3.832024	-1	-5.73774	0	
141	N143	-3.615517	-0.	-5.61274	0	
142	N144	-3.832024	-0.	-5.73774	0	
143	N145	-3.832024	3.833333	-5.73774	0	
144	N146	-3.832024	-2.666667	-5.73774	0	
145	N147	-1.573851	3.166667	-9.149011	0	
146	N148	-1.573851	-1	-9.149011	0	
147	N149	-1.790357	3.166667	-9.274011	0	
148	N150	-1.790357	-1	-9.274011	0	
149	N151	-1.573851	-0.	-9.149011	0	
150	N152	-1.790357	-0.	-9.274011	0	
151	N153	-1.790357	3.833333	-9.274011	0	
152	N154	-1.790357	-2.666667	-9.274011	0	
153	N155	-0.490517	3.166667	-11.025399	0	
154	N156	-0.490517	-1	-11.025399	0	
155	N157	-0.707024	3.166667	-11.150399	0	
156	N158	-0.707024	-1	-11.150399	0	
157	N159	-0.490517	-0.	-11.025399	0	
158	N160	-0.707024	-0.	-11.150399	0	
159	N161	-0.707024	3.833333	-11.150399	0	
160	N162	-0.707024	-2.666667	-11.150399	0	
161	N161A	5.041667	0	-0.979167	0	
162	N162A	-5.041667	0	-0.979167	0	
163	N163	0.059201	0	-9.814128	0	
164	N164	5.100867	0	-1.081705	0	
165	N165	-5.100867	0	-1.081705	0	
166	N166	-0.059201	0	-9.814128	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rul...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Standoff HSS Back	HSS4X4X3	Beam	Tube	A500 Gr. B...	Typical	2.58	6.21	6.21	10
2	Platform Angle	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
3	Mounp Pipe	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
4	Top Fce Pipe	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
5	Bottom Face Pipe	PIPE 3.5	Beam	Pipe	A53 Gr. B	Typical	2.5	4.52	4.52	9.04
6	Stab Pipe	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
7	Stab Angle	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
8	Standoff HSS Front	HSS4.5X4...	Beam	Tube	A500 Gr. B...	Typical	2.93	9.02	9.02	14.4

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N2		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
2	M2	N2	N5		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
3	M3	N5	N6		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
4	M4	N6	N3		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
5	M5	N7	N26			Standoff HSS ...	Beam	Tube	A500 Gr. ...	Typical
6	M22	N23A	N1			RIGID	None	None	RIGID	Typical
7	M23	N4	N26			RIGID	None	None	RIGID	Typical
8	M8	N13	N12		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
9	M9	N12	N15		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
10	M10	N15	N16		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
11	M11	N16	N13		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
12	M12	N17	N20			Standoff HSS ...	Beam	Tube	A500 Gr. ...	Typical
13	M13	N19	N11			RIGID	None	None	RIGID	Typical
14	M14	N14	N20			RIGID	None	None	RIGID	Typical
15	M15	N23	N22		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
16	M16	N22	N25		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
17	M17	N25	N26A		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
18	M18	N26A	N23		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
19	M19	N27	N30			Standoff HSS ...	Beam	Tube	A500 Gr. ...	Typical
20	M20	N29	N21			RIGID	None	None	RIGID	Typical
21	M21	N24	N30			RIGID	None	None	RIGID	Typical
22	M22A	N12	N23			RIGID	None	None	RIGID	Typical
23	M23A	N15	N26A			RIGID	None	None	RIGID	Typical
24	M24	N16	N5			RIGID	None	None	RIGID	Typical
25	M25	N13	N2			RIGID	None	None	RIGID	Typical
26	M26	N6	N25			RIGID	None	None	RIGID	Typical
27	M27	N22	N3			RIGID	None	None	RIGID	Typical
28	M28	N34	N33			Top Fce Pipe	Beam	Pipe	A53 Gr. B	Typical
29	M29	N31	N30A			Bottom Face P...	Beam	Pipe	A53 Gr. B	Typical
30	M30	N45	N44			Top Fce Pipe	Beam	Pipe	A53 Gr. B	Typical
31	M31	N42	N41			Bottom Face P...	Beam	Pipe	A53 Gr. B	Typical
32	M32	N56	N55			Top Fce Pipe	Beam	Pipe	A53 Gr. B	Typical
33	M33	N53	N52			Bottom Face P...	Beam	Pipe	A53 Gr. B	Typical
34	M34	N60	N37			Stab Pipe	Beam	Pipe	A53 Gr. B	Typical
35	M35	N38	N48			Stab Pipe	Beam	Pipe	A53 Gr. B	Typical
36	M36	N49	N59			Stab Pipe	Beam	Pipe	A53 Gr. B	Typical
37	M37	N59A	N35			RIGID	None	None	RIGID	Typical
38	M38	N60A	N36			RIGID	None	None	RIGID	Typical
39	M39	N64	N46			RIGID	None	None	RIGID	Typical
40	M40	N65	N47			RIGID	None	None	RIGID	Typical
41	M41	N69	N57			RIGID	None	None	RIGID	Typical
42	M42	N70	N58			RIGID	None	None	RIGID	Typical
43	M43	N70	N59A		90	Stab Angle	Beam	Single Angle	A36 Gr.36	Typical
44	M44	N60A	N64		90	Stab Angle	Beam	Single Angle	A36 Gr.36	Typical
45	M45	N69	N65		180	Stab Angle	Beam	Single Angle	A36 Gr.36	Typical
46	MP1A	N71	N72			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
47	M47	N67	N65A			RIGID	None	None	RIGID	Typical
48	M48	N70A	N69A			RIGID	None	None	RIGID	Typical
49	M49	N68	N66			RIGID	None	None	RIGID	Typical
50	MP2A	N79	N80			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
51	M51	N75	N73			RIGID	None	None	RIGID	Typical
52	M52	N78	N77			RIGID	None	None	RIGID	Typical
53	M53	N76	N74			RIGID	None	None	RIGID	Typical
54	MP3A	N87	N88			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
55	M55	N83	N81			RIGID	None	None	RIGID	Typical
56	M56	N86	N85			RIGID	None	None	RIGID	Typical
57	M57	N84	N82			RIGID	None	None	RIGID	Typical
58	MP4A	N95	N96			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
59	M59	N91	N89			RIGID	None	None	RIGID	Typical
60	M60	N94	N93			RIGID	None	None	RIGID	Typical
61	M61	N92	N90			RIGID	None	None	RIGID	Typical
62	MP1C	N104	N105			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
63	M63	N100	N98			RIGID	None	None	RIGID	Typical
64	M64	N103	N102			RIGID	None	None	RIGID	Typical
65	M65	N101	N99			RIGID	None	None	RIGID	Typical
66	MP2C	N112	N113			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
67	M67	N108	N106			RIGID	None	None	RIGID	Typical
68	M68	N111	N110			RIGID	None	None	RIGID	Typical
69	M69	N109	N107			RIGID	None	None	RIGID	Typical
70	MP3C	N120	N121			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
71	M71	N116	N114			RIGID	None	None	RIGID	Typical
72	M72	N119	N118			RIGID	None	None	RIGID	Typical
73	M73	N117	N115			RIGID	None	None	RIGID	Typical
74	MP4C	N128	N129			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
75	M75	N124	N122			RIGID	None	None	RIGID	Typical
76	M76	N127	N126			RIGID	None	None	RIGID	Typical
77	M77	N125	N123			RIGID	None	None	RIGID	Typical
78	MP1B	N137	N138			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
79	M79	N133	N131			RIGID	None	None	RIGID	Typical
80	M80	N136	N135			RIGID	None	None	RIGID	Typical
81	M81	N134	N132			RIGID	None	None	RIGID	Typical
82	MP2B	N145	N146			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
83	M83	N141	N139			RIGID	None	None	RIGID	Typical
84	M84	N144	N143			RIGID	None	None	RIGID	Typical
85	M85	N142	N140			RIGID	None	None	RIGID	Typical
86	MP3B	N153	N154			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
87	M87	N149	N147			RIGID	None	None	RIGID	Typical
88	M88	N152	N151			RIGID	None	None	RIGID	Typical
89	M89	N150	N148			RIGID	None	None	RIGID	Typical
90	MP4B	N161	N162			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
91	M91	N157	N155			RIGID	None	None	RIGID	Typical
92	M92	N160	N159			RIGID	None	None	RIGID	Typical
93	M93	N158	N156			RIGID	None	None	RIGID	Typical
94	M94	N26	N1			Standoff HSS ...	Beam	Tube	A500 Gr. ...	Typical
95	M95	N20	N11			Standoff HSS ...	Beam	Tube	A500 Gr. ...	Typical
96	M96	N30	N21			Standoff HSS ...	Beam	Tube	A500 Gr. ...	Typical
97	M97	N165	N162A			RIGID	None	None	RIGID	Typical
98	M98	N161A	N164			RIGID	None	None	RIGID	Typical
99	M99	N166	N163			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M2						Yes				None
3	M3						Yes	Default			None
4	M4						Yes				None
5	M5						Yes				None
6	M22						Yes	** NA **			None
7	M23						Yes	** NA **			None
8	M8						Yes				None
9	M9						Yes				None
10	M10						Yes				None
11	M11						Yes				None
12	M12						Yes				None
13	M13						Yes	** NA **			None
14	M14						Yes	** NA **			None
15	M15						Yes				None
16	M16						Yes				None
17	M17						Yes				None
18	M18						Yes				None
19	M19						Yes				None
20	M20						Yes	** NA **			None
21	M21						Yes	** NA **			None
22	M22A						Yes	** NA **			None
23	M23A						Yes	** NA **			None
24	M24						Yes	** NA **			None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27						Yes	** NA **			None
28	M28						Yes				None
29	M29						Yes	Default			None
30	M30						Yes				None
31	M31						Yes				None
32	M32						Yes				None
33	M33						Yes				None
34	M34	BenPIN	BenPIN				Yes				None
35	M35	BenPIN	BenPIN				Yes				None
36	M36	BenPIN	BenPIN				Yes				None
37	M37		OOOOOO				Yes	** NA **			None
38	M38		OOOOOO				Yes	** NA **			None
39	M39		OOOOOO				Yes	** NA **			None
40	M40		OOOOOO				Yes	** NA **			None
41	M41		OOOOOO				Yes	** NA **			None
42	M42		OOOOOO				Yes	** NA **			None
43	M43						Yes				None
44	M44						Yes				None
45	M45						Yes				None
46	MP1A						Yes	** NA **			None
47	M47						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	M49						Yes	** NA **			None
50	MP2A						Yes	** NA **			None
51	M51						Yes	** NA **			None
52	M52						Yes	** NA **			None
53	M53						Yes	** NA **			None
54	MP3A						Yes	** NA **			None
55	M55						Yes	** NA **			None
56	M56						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat..	Analysis ...	Inactive	Seismic...
57	M57						Yes	** NA **			None
58	MP4A						Yes	** NA **			None
59	M59						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	M61						Yes	** NA **			None
62	MP1C						Yes	** NA **			None
63	M63						Yes	** NA **			None
64	M64						Yes	** NA **			None
65	M65						Yes	** NA **			None
66	MP2C						Yes	** NA **			None
67	M67						Yes	** NA **			None
68	M68						Yes	** NA **			None
69	M69						Yes	** NA **			None
70	MP3C						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes	** NA **			None
74	MP4C						Yes	** NA **			None
75	M75						Yes	** NA **			None
76	M76						Yes	** NA **			None
77	M77						Yes	** NA **			None
78	MP1B						Yes	** NA **			None
79	M79						Yes	** NA **			None
80	M80						Yes	** NA **			None
81	M81						Yes	** NA **			None
82	MP2B						Yes	** NA **			None
83	M83						Yes	** NA **			None
84	M84						Yes	** NA **			None
85	M85						Yes	** NA **			None
86	MP3B						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	M88						Yes	** NA **			None
89	M89						Yes	** NA **			None
90	MP4B						Yes	** NA **			None
91	M91						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	M93						Yes	** NA **			None
94	M94						Yes				None
95	M95						Yes				None
96	M96						Yes				None
97	M97						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	M99						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP3A	Y	-4.4	5.5
2	MP3A	My	-.002	5.5
3	MP3A	Mz	.001	5.5
4	MP3B	Y	-4.4	5.5
5	MP3B	My	0	5.5
6	MP3B	Mz	-.002	5.5
7	MP3C	Y	-4.4	5.5
8	MP3C	My	.002	5.5
9	MP3C	Mz	.001	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
10	MP3A	Y	-43.55	1
11	MP3A	My	-.019	1
12	MP3A	Mz	.011	1
13	MP3A	Y	-43.55	3
14	MP3A	My	-.019	3
15	MP3A	Mz	.011	3
16	MP3B	Y	-43.55	1
17	MP3B	My	0	1
18	MP3B	Mz	-.022	1
19	MP3B	Y	-43.55	3
20	MP3B	My	0	3
21	MP3B	Mz	-.022	3
22	MP3C	Y	-43.55	1
23	MP3C	My	.019	1
24	MP3C	Mz	.011	1
25	MP3C	Y	-43.55	3
26	MP3C	My	.019	3
27	MP3C	Mz	.011	3
28	MP1A	Y	-20	.75
29	MP1A	My	-.003	.75
30	MP1A	Mz	.015	.75
31	MP1A	Y	-20	3.75
32	MP1A	My	-.003	3.75
33	MP1A	Mz	.015	3.75
34	MP1B	Y	-20	.75
35	MP1B	My	-.012	.75
36	MP1B	Mz	-.01	.75
37	MP1B	Y	-20	3.75
38	MP1B	My	-.012	3.75
39	MP1B	Mz	-.01	3.75
40	MP1C	Y	-20	.75
41	MP1C	My	.014	.75
42	MP1C	Mz	-.005	.75
43	MP1C	Y	-20	3.75
44	MP1C	My	.014	3.75
45	MP1C	Mz	-.005	3.75
46	MP1A	Y	-20	.75
47	MP1A	My	-.014	.75
48	MP1A	Mz	-.005	.75
49	MP1A	Y	-20	3.75
50	MP1A	My	-.014	3.75
51	MP1A	Mz	-.005	3.75
52	MP1B	Y	-20	.75
53	MP1B	My	.012	.75
54	MP1B	Mz	-.01	.75
55	MP1B	Y	-20	3.75
56	MP1B	My	.012	3.75
57	MP1B	Mz	-.01	3.75
58	MP1C	Y	-20	.75
59	MP1C	My	.003	.75
60	MP1C	Mz	.015	.75
61	MP1C	Y	-20	3.75
62	MP1C	My	.003	3.75
63	MP1C	Mz	.015	3.75
64	MP4A	Y	-4.95	1.5
65	MP4A	My	-.002	1.5
66	MP4A	Mz	.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP4A	Y	-4.95	4.5
68	MP4A	My	-.002	4.5
69	MP4A	Mz	.001	4.5
70	MP4B	Y	-4.95	1.5
71	MP4B	My	0	1.5
72	MP4B	Mz	-.002	1.5
73	MP4B	Y	-4.95	4.5
74	MP4B	My	0	4.5
75	MP4B	Mz	-.002	4.5
76	MP4C	Y	-4.95	1.5
77	MP4C	My	.002	1.5
78	MP4C	Mz	.001	1.5
79	MP4C	Y	-4.95	4.5
80	MP4C	My	.002	4.5
81	MP4C	Mz	.001	4.5
82	MP2A	Y	-84.4	2
83	MP2A	My	.037	2
84	MP2A	Mz	-.021	2
85	MP2B	Y	-84.4	2
86	MP2B	My	0	2
87	MP2B	Mz	.042	2
88	MP2C	Y	-84.4	2
89	MP2C	My	-.037	2
90	MP2C	Mz	-.021	2
91	MP1A	Y	-70.3	2
92	MP1A	My	.031	2
93	MP1A	Mz	-.017	2
94	MP1B	Y	-70.3	2
95	MP1B	My	0	2
96	MP1B	Mz	.035	2
97	MP1C	Y	-70.3	2
98	MP1C	My	-.03	2
99	MP1C	Mz	-.018	2

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-22.769	5.5
2	MP3A	My	-.01	5.5
3	MP3A	Mz	.006	5.5
4	MP3B	Y	-22.769	5.5
5	MP3B	My	0	5.5
6	MP3B	Mz	-.011	5.5
7	MP3C	Y	-22.769	5.5
8	MP3C	My	.01	5.5
9	MP3C	Mz	.006	5.5
10	MP3A	Y	-56.344	1
11	MP3A	My	-.024	1
12	MP3A	Mz	.014	1
13	MP3A	Y	-56.344	3
14	MP3A	My	-.024	3
15	MP3A	Mz	.014	3
16	MP3B	Y	-56.344	1
17	MP3B	My	0	1
18	MP3B	Mz	-.028	1
19	MP3B	Y	-56.344	3
20	MP3B	My	0	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
21	MP3B	Mz	-.028	3
22	MP3C	Y	-56.344	1
23	MP3C	My	.024	1
24	MP3C	Mz	.014	1
25	MP3C	Y	-56.344	3
26	MP3C	My	.024	3
27	MP3C	Mz	.014	3
28	MP1A	Y	-96.182	.75
29	MP1A	My	-.014	.75
30	MP1A	Mz	.073	.75
31	MP1A	Y	-96.182	3.75
32	MP1A	My	-.014	3.75
33	MP1A	Mz	.073	3.75
34	MP1B	Y	-96.182	.75
35	MP1B	My	-.056	.75
36	MP1B	Mz	-.048	.75
37	MP1B	Y	-96.182	3.75
38	MP1B	My	-.056	3.75
39	MP1B	Mz	-.048	3.75
40	MP1C	Y	-96.182	.75
41	MP1C	My	.07	.75
42	MP1C	Mz	-.025	.75
43	MP1C	Y	-96.182	3.75
44	MP1C	My	.07	3.75
45	MP1C	Mz	-.025	3.75
46	MP1A	Y	-96.182	.75
47	MP1A	My	-.07	.75
48	MP1A	Mz	-.025	.75
49	MP1A	Y	-96.182	3.75
50	MP1A	My	-.07	3.75
51	MP1A	Mz	-.025	3.75
52	MP1B	Y	-96.182	.75
53	MP1B	My	.056	.75
54	MP1B	Mz	-.048	.75
55	MP1B	Y	-96.182	3.75
56	MP1B	My	.056	3.75
57	MP1B	Mz	-.048	3.75
58	MP1C	Y	-96.182	.75
59	MP1C	My	.014	.75
60	MP1C	Mz	.073	.75
61	MP1C	Y	-96.182	3.75
62	MP1C	My	.014	3.75
63	MP1C	Mz	.073	3.75
64	MP4A	Y	-56.113	1.5
65	MP4A	My	-.024	1.5
66	MP4A	Mz	.014	1.5
67	MP4A	Y	-56.113	4.5
68	MP4A	My	-.024	4.5
69	MP4A	Mz	.014	4.5
70	MP4B	Y	-56.113	1.5
71	MP4B	My	0	1.5
72	MP4B	Mz	-.028	1.5
73	MP4B	Y	-56.113	4.5
74	MP4B	My	0	4.5
75	MP4B	Mz	-.028	4.5
76	MP4C	Y	-56.113	1.5
77	MP4C	My	.024	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP4C	Mz	.014	1.5
79	MP4C	Y	-56.113	4.5
80	MP4C	My	.024	4.5
81	MP4C	Mz	.014	4.5
82	MP2A	Y	-71.608	2
83	MP2A	My	.031	2
84	MP2A	Mz	-.018	2
85	MP2B	Y	-71.608	2
86	MP2B	My	0	2
87	MP2B	Mz	.036	2
88	MP2C	Y	-71.608	2
89	MP2C	My	-.031	2
90	MP2C	Mz	-.018	2
91	MP1A	Y	-64.651	2
92	MP1A	My	.028	2
93	MP1A	Mz	-.016	2
94	MP1B	Y	-64.651	2
95	MP1B	My	0	2
96	MP1B	Mz	.032	2
97	MP1C	Y	-64.651	2
98	MP1C	My	-.028	2
99	MP1C	Mz	-.016	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	5.5
2	MP3A	Z	-22.461	5.5
3	MP3A	Mx	-.006	5.5
4	MP3B	X	0	5.5
5	MP3B	Z	-5.513	5.5
6	MP3B	Mx	.003	5.5
7	MP3C	X	0	5.5
8	MP3C	Z	-22.461	5.5
9	MP3C	Mx	-.006	5.5
10	MP3A	X	0	1
11	MP3A	Z	-62.932	1
12	MP3A	Mx	-.016	1
13	MP3A	X	0	3
14	MP3A	Z	-62.932	3
15	MP3A	Mx	-.016	3
16	MP3B	X	0	1
17	MP3B	Z	-29.058	1
18	MP3B	Mx	.015	1
19	MP3B	X	0	3
20	MP3B	Z	-29.058	3
21	MP3B	Mx	.015	3
22	MP3C	X	0	1
23	MP3C	Z	-62.932	1
24	MP3C	Mx	-.016	1
25	MP3C	X	0	3
26	MP3C	Z	-62.932	3
27	MP3C	Mx	-.016	3
28	MP1A	X	0	.75
29	MP1A	Z	-117.952	.75
30	MP1A	Mx	-.089	.75
31	MP1A	X	0	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP1A	Z	-117.952	3.75
33	MP1A	Mx	-.089	3.75
34	MP1B	X	0	.75
35	MP1B	Z	-85.218	.75
36	MP1B	Mx	.043	.75
37	MP1B	X	0	3.75
38	MP1B	Z	-85.218	3.75
39	MP1B	Mx	.043	3.75
40	MP1C	X	0	.75
41	MP1C	Z	-117.952	.75
42	MP1C	Mx	.03	.75
43	MP1C	X	0	3.75
44	MP1C	Z	-117.952	3.75
45	MP1C	Mx	.03	3.75
46	MP1A	X	0	.75
47	MP1A	Z	-117.952	.75
48	MP1A	Mx	.03	.75
49	MP1A	X	0	3.75
50	MP1A	Z	-117.952	3.75
51	MP1A	Mx	.03	3.75
52	MP1B	X	0	.75
53	MP1B	Z	-85.218	.75
54	MP1B	Mx	.043	.75
55	MP1B	X	0	3.75
56	MP1B	Z	-85.218	3.75
57	MP1B	Mx	.043	3.75
58	MP1C	X	0	.75
59	MP1C	Z	-117.952	.75
60	MP1C	Mx	-.089	.75
61	MP1C	X	0	3.75
62	MP1C	Z	-117.952	3.75
63	MP1C	Mx	-.089	3.75
64	MP4A	X	0	1.5
65	MP4A	Z	-65.538	1.5
66	MP4A	Mx	-.016	1.5
67	MP4A	X	0	4.5
68	MP4A	Z	-65.538	4.5
69	MP4A	Mx	-.016	4.5
70	MP4B	X	0	1.5
71	MP4B	Z	-38.536	1.5
72	MP4B	Mx	.019	1.5
73	MP4B	X	0	4.5
74	MP4B	Z	-38.536	4.5
75	MP4B	Mx	.019	4.5
76	MP4C	X	0	1.5
77	MP4C	Z	-65.538	1.5
78	MP4C	Mx	-.016	1.5
79	MP4C	X	0	4.5
80	MP4C	Z	-65.538	4.5
81	MP4C	Mx	-.016	4.5
82	MP2A	X	0	2
83	MP2A	Z	-54.167	2
84	MP2A	Mx	.014	2
85	MP2B	X	0	2
86	MP2B	Z	-39.48	2
87	MP2B	Mx	-.02	2
88	MP2C	X	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
89	MP2C	Z	-54.167	2
90	MP2C	Mx	.014	2
91	MP1A	X	0	2
92	MP1A	Z	-52.697	2
93	MP1A	Mx	.013	2
94	MP1B	X	0	2
95	MP1B	Z	-31.979	2
96	MP1B	Mx	-.016	2
97	MP1C	X	0	2
98	MP1C	Z	-52.292	2
99	MP1C	Mx	.013	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	5.581	5.5
2	MP3A	Z	-9.666	5.5
3	MP3A	Mx	-.005	5.5
4	MP3B	X	5.581	5.5
5	MP3B	Z	-9.666	5.5
6	MP3B	Mx	.005	5.5
7	MP3C	X	14.055	5.5
8	MP3C	Z	-24.344	5.5
9	MP3C	Mx	0	5.5
10	MP3A	X	20.175	1
11	MP3A	Z	-34.943	1
12	MP3A	Mx	-.017	1
13	MP3A	X	20.175	3
14	MP3A	Z	-34.943	3
15	MP3A	Mx	-.017	3
16	MP3B	X	20.175	1
17	MP3B	Z	-34.943	1
18	MP3B	Mx	.017	1
19	MP3B	X	20.175	3
20	MP3B	Z	-34.943	3
21	MP3B	Mx	.017	3
22	MP3C	X	37.111	1
23	MP3C	Z	-64.279	1
24	MP3C	Mx	0	1
25	MP3C	X	37.111	3
26	MP3C	Z	-64.279	3
27	MP3C	Mx	0	3
28	MP1A	X	48.065	.75
29	MP1A	Z	-83.251	.75
30	MP1A	Mx	-.07	.75
31	MP1A	X	48.065	3.75
32	MP1A	Z	-83.251	3.75
33	MP1A	Mx	-.07	3.75
34	MP1B	X	48.065	.75
35	MP1B	Z	-83.251	.75
36	MP1B	Mx	.014	.75
37	MP1B	X	48.065	3.75
38	MP1B	Z	-83.251	3.75
39	MP1B	Mx	.014	3.75
40	MP1C	X	64.432	.75
41	MP1C	Z	-111.599	.75
42	MP1C	Mx	.075	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP1C	X	64.432	3.75
44	MP1C	Z	-111.599	3.75
45	MP1C	Mx	.075	3.75
46	MP1A	X	48.065	.75
47	MP1A	Z	-83.251	.75
48	MP1A	Mx	-.014	.75
49	MP1A	X	48.065	3.75
50	MP1A	Z	-83.251	3.75
51	MP1A	Mx	-.014	3.75
52	MP1B	X	48.065	.75
53	MP1B	Z	-83.251	.75
54	MP1B	Mx	.07	.75
55	MP1B	X	48.065	3.75
56	MP1B	Z	-83.251	3.75
57	MP1B	Mx	.07	3.75
58	MP1C	X	64.432	.75
59	MP1C	Z	-111.599	.75
60	MP1C	Mx	-.075	.75
61	MP1C	X	64.432	3.75
62	MP1C	Z	-111.599	3.75
63	MP1C	Mx	-.075	3.75
64	MP4A	X	23.768	1.5
65	MP4A	Z	-41.168	1.5
66	MP4A	Mx	-.021	1.5
67	MP4A	X	23.768	4.5
68	MP4A	Z	-41.168	4.5
69	MP4A	Mx	-.021	4.5
70	MP4B	X	23.768	1.5
71	MP4B	Z	-41.168	1.5
72	MP4B	Mx	.021	1.5
73	MP4B	X	23.768	4.5
74	MP4B	Z	-41.168	4.5
75	MP4B	Mx	.021	4.5
76	MP4C	X	37.269	1.5
77	MP4C	Z	-64.552	1.5
78	MP4C	Mx	0	1.5
79	MP4C	X	37.269	4.5
80	MP4C	Z	-64.552	4.5
81	MP4C	Mx	0	4.5
82	MP2A	X	22.188	2
83	MP2A	Z	-38.431	2
84	MP2A	Mx	.019	2
85	MP2B	X	22.188	2
86	MP2B	Z	-38.431	2
87	MP2B	Mx	-.019	2
88	MP2C	X	29.531	2
89	MP2C	Z	-51.15	2
90	MP2C	Mx	0	2
91	MP1A	X	19.582	2
92	MP1A	Z	-33.916	2
93	MP1A	Mx	.017	2
94	MP1B	X	19.375	2
95	MP1B	Z	-33.558	2
96	MP1B	Mx	-.017	2
97	MP1C	X	29.531	2
98	MP1C	Z	-51.15	2
99	MP1C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	4.774	5.5
2	MP3A	Z	-2.756	5.5
3	MP3A	Mx	-.003	5.5
4	MP3B	X	19.451	5.5
5	MP3B	Z	-11.23	5.5
6	MP3B	Mx	.006	5.5
7	MP3C	X	19.451	5.5
8	MP3C	Z	-11.23	5.5
9	MP3C	Mx	.006	5.5
10	MP3A	X	25.165	1
11	MP3A	Z	-14.529	1
12	MP3A	Mx	-.015	1
13	MP3A	X	25.165	3
14	MP3A	Z	-14.529	3
15	MP3A	Mx	-.015	3
16	MP3B	X	54.5	1
17	MP3B	Z	-31.466	1
18	MP3B	Mx	.016	1
19	MP3B	X	54.5	3
20	MP3B	Z	-31.466	3
21	MP3B	Mx	.016	3
22	MP3C	X	54.5	1
23	MP3C	Z	-31.466	1
24	MP3C	Mx	.016	1
25	MP3C	X	54.5	3
26	MP3C	Z	-31.466	3
27	MP3C	Mx	.016	3
28	MP1A	X	73.801	.75
29	MP1A	Z	-42.609	.75
30	MP1A	Mx	-.043	.75
31	MP1A	X	73.801	3.75
32	MP1A	Z	-42.609	3.75
33	MP1A	Mx	-.043	3.75
34	MP1B	X	102.149	.75
35	MP1B	Z	-58.976	.75
36	MP1B	Mx	-.03	.75
37	MP1B	X	102.149	3.75
38	MP1B	Z	-58.976	3.75
39	MP1B	Mx	-.03	3.75
40	MP1C	X	102.149	.75
41	MP1C	Z	-58.976	.75
42	MP1C	Mx	.089	.75
43	MP1C	X	102.149	3.75
44	MP1C	Z	-58.976	3.75
45	MP1C	Mx	.089	3.75
46	MP1A	X	73.801	.75
47	MP1A	Z	-42.609	.75
48	MP1A	Mx	-.043	.75
49	MP1A	X	73.801	3.75
50	MP1A	Z	-42.609	3.75
51	MP1A	Mx	-.043	3.75
52	MP1B	X	102.149	.75
53	MP1B	Z	-58.976	.75
54	MP1B	Mx	.089	.75
55	MP1B	X	102.149	3.75
56	MP1B	Z	-58.976	3.75
57	MP1B	Mx	.089	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1C	X	102.149	.75
59	MP1C	Z	-58.976	.75
60	MP1C	Mx	-.03	.75
61	MP1C	X	102.149	3.75
62	MP1C	Z	-58.976	3.75
63	MP1C	Mx	-.03	3.75
64	MP4A	X	33.373	1.5
65	MP4A	Z	-19.268	1.5
66	MP4A	Mx	-.019	1.5
67	MP4A	X	33.373	4.5
68	MP4A	Z	-19.268	4.5
69	MP4A	Mx	-.019	4.5
70	MP4B	X	56.758	1.5
71	MP4B	Z	-32.769	1.5
72	MP4B	Mx	.016	1.5
73	MP4B	X	56.758	4.5
74	MP4B	Z	-32.769	4.5
75	MP4B	Mx	.016	4.5
76	MP4C	X	56.758	1.5
77	MP4C	Z	-32.769	1.5
78	MP4C	Mx	.016	1.5
79	MP4C	X	56.758	4.5
80	MP4C	Z	-32.769	4.5
81	MP4C	Mx	.016	4.5
82	MP2A	X	34.191	2
83	MP2A	Z	-19.74	2
84	MP2A	Mx	.02	2
85	MP2B	X	46.91	2
86	MP2B	Z	-27.083	2
87	MP2B	Mx	-.014	2
88	MP2C	X	46.91	2
89	MP2C	Z	-27.083	2
90	MP2C	Mx	-.014	2
91	MP1A	X	27.702	2
92	MP1A	Z	-15.994	2
93	MP1A	Mx	.016	2
94	MP1B	X	45.286	2
95	MP1B	Z	-26.146	2
96	MP1B	Mx	-.013	2
97	MP1C	X	45.286	2
98	MP1C	Z	-26.146	2
99	MP1C	Mx	-.013	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	11.162	5.5
2	MP3A	Z	0	5.5
3	MP3A	Mx	-.005	5.5
4	MP3B	X	28.11	5.5
5	MP3B	Z	0	5.5
6	MP3B	Mx	0	5.5
7	MP3C	X	11.162	5.5
8	MP3C	Z	0	5.5
9	MP3C	Mx	.005	5.5
10	MP3A	X	40.349	1
11	MP3A	Z	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP3A	Mx	-.017	1
13	MP3A	X	40.349	3
14	MP3A	Z	0	3
15	MP3A	Mx	-.017	3
16	MP3B	X	74.223	1
17	MP3B	Z	0	1
18	MP3B	Mx	0	1
19	MP3B	X	74.223	3
20	MP3B	Z	0	3
21	MP3B	Mx	0	3
22	MP3C	X	40.349	1
23	MP3C	Z	0	1
24	MP3C	Mx	.017	1
25	MP3C	X	40.349	3
26	MP3C	Z	0	3
27	MP3C	Mx	.017	3
28	MP1A	X	96.129	.75
29	MP1A	Z	0	.75
30	MP1A	Mx	-.014	.75
31	MP1A	X	96.129	3.75
32	MP1A	Z	0	3.75
33	MP1A	Mx	-.014	3.75
34	MP1B	X	128.863	.75
35	MP1B	Z	0	.75
36	MP1B	Mx	-.075	.75
37	MP1B	X	128.863	3.75
38	MP1B	Z	0	3.75
39	MP1B	Mx	-.075	3.75
40	MP1C	X	96.129	.75
41	MP1C	Z	0	.75
42	MP1C	Mx	.07	.75
43	MP1C	X	96.129	3.75
44	MP1C	Z	0	3.75
45	MP1C	Mx	.07	3.75
46	MP1A	X	96.129	.75
47	MP1A	Z	0	.75
48	MP1A	Mx	-.07	.75
49	MP1A	X	96.129	3.75
50	MP1A	Z	0	3.75
51	MP1A	Mx	-.07	3.75
52	MP1B	X	128.863	.75
53	MP1B	Z	0	.75
54	MP1B	Mx	.075	.75
55	MP1B	X	128.863	3.75
56	MP1B	Z	0	3.75
57	MP1B	Mx	.075	3.75
58	MP1C	X	96.129	.75
59	MP1C	Z	0	.75
60	MP1C	Mx	.014	.75
61	MP1C	X	96.129	3.75
62	MP1C	Z	0	3.75
63	MP1C	Mx	.014	3.75
64	MP4A	X	47.537	1.5
65	MP4A	Z	0	1.5
66	MP4A	Mx	-.021	1.5
67	MP4A	X	47.537	4.5
68	MP4A	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
69	MP4A	Mx	-.021	4.5
70	MP4B	X	74.539	1.5
71	MP4B	Z	0	1.5
72	MP4B	Mx	0	1.5
73	MP4B	X	74.539	4.5
74	MP4B	Z	0	4.5
75	MP4B	Mx	0	4.5
76	MP4C	X	47.537	1.5
77	MP4C	Z	0	1.5
78	MP4C	Mx	.021	1.5
79	MP4C	X	47.537	4.5
80	MP4C	Z	0	4.5
81	MP4C	Mx	.021	4.5
82	MP2A	X	44.376	2
83	MP2A	Z	0	2
84	MP2A	Mx	.019	2
85	MP2B	X	59.062	2
86	MP2B	Z	0	2
87	MP2B	Mx	0	2
88	MP2C	X	44.376	2
89	MP2C	Z	0	2
90	MP2C	Mx	-.019	2
91	MP1A	X	38.345	2
92	MP1A	Z	0	2
93	MP1A	Mx	.017	2
94	MP1B	X	59.062	2
95	MP1B	Z	0	2
96	MP1B	Mx	0	2
97	MP1C	X	38.75	2
98	MP1C	Z	0	2
99	MP1C	Mx	-.017	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	19.451	5.5
2	MP3A	Z	11.23	5.5
3	MP3A	Mx	-.006	5.5
4	MP3B	X	19.451	5.5
5	MP3B	Z	11.23	5.5
6	MP3B	Mx	-.006	5.5
7	MP3C	X	4.774	5.5
8	MP3C	Z	2.756	5.5
9	MP3C	Mx	.003	5.5
10	MP3A	X	54.5	1
11	MP3A	Z	31.466	1
12	MP3A	Mx	-.016	1
13	MP3A	X	54.5	3
14	MP3A	Z	31.466	3
15	MP3A	Mx	-.016	3
16	MP3B	X	54.5	1
17	MP3B	Z	31.466	1
18	MP3B	Mx	-.016	1
19	MP3B	X	54.5	3
20	MP3B	Z	31.466	3
21	MP3B	Mx	-.016	3
22	MP3C	X	25.165	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
23	MP3C	Z	14.529	1
24	MP3C	Mx	.015	1
25	MP3C	X	25.165	3
26	MP3C	Z	14.529	3
27	MP3C	Mx	.015	3
28	MP1A	X	102.149	.75
29	MP1A	Z	58.976	.75
30	MP1A	Mx	.03	.75
31	MP1A	X	102.149	3.75
32	MP1A	Z	58.976	3.75
33	MP1A	Mx	.03	3.75
34	MP1B	X	102.149	.75
35	MP1B	Z	58.976	.75
36	MP1B	Mx	-.089	.75
37	MP1B	X	102.149	3.75
38	MP1B	Z	58.976	3.75
39	MP1B	Mx	-.089	3.75
40	MP1C	X	73.801	.75
41	MP1C	Z	42.609	.75
42	MP1C	Mx	.043	.75
43	MP1C	X	73.801	3.75
44	MP1C	Z	42.609	3.75
45	MP1C	Mx	.043	3.75
46	MP1A	X	102.149	.75
47	MP1A	Z	58.976	.75
48	MP1A	Mx	-.089	.75
49	MP1A	X	102.149	3.75
50	MP1A	Z	58.976	3.75
51	MP1A	Mx	-.089	3.75
52	MP1B	X	102.149	.75
53	MP1B	Z	58.976	.75
54	MP1B	Mx	.03	.75
55	MP1B	X	102.149	3.75
56	MP1B	Z	58.976	3.75
57	MP1B	Mx	.03	3.75
58	MP1C	X	73.801	.75
59	MP1C	Z	42.609	.75
60	MP1C	Mx	.043	.75
61	MP1C	X	73.801	3.75
62	MP1C	Z	42.609	3.75
63	MP1C	Mx	.043	3.75
64	MP4A	X	56.758	1.5
65	MP4A	Z	32.769	1.5
66	MP4A	Mx	-.016	1.5
67	MP4A	X	56.758	4.5
68	MP4A	Z	32.769	4.5
69	MP4A	Mx	-.016	4.5
70	MP4B	X	56.758	1.5
71	MP4B	Z	32.769	1.5
72	MP4B	Mx	-.016	1.5
73	MP4B	X	56.758	4.5
74	MP4B	Z	32.769	4.5
75	MP4B	Mx	-.016	4.5
76	MP4C	X	33.373	1.5
77	MP4C	Z	19.268	1.5
78	MP4C	Mx	.019	1.5
79	MP4C	X	33.373	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
80	MP4C	Z	19.268	4.5
81	MP4C	Mx	.019	4.5
82	MP2A	X	46.91	2
83	MP2A	Z	27.083	2
84	MP2A	Mx	.014	2
85	MP2B	X	46.91	2
86	MP2B	Z	27.083	2
87	MP2B	Mx	.014	2
88	MP2C	X	34.191	2
89	MP2C	Z	19.74	2
90	MP2C	Mx	-.02	2
91	MP1A	X	44.928	2
92	MP1A	Z	25.939	2
93	MP1A	Mx	.013	2
94	MP1B	X	45.286	2
95	MP1B	Z	26.146	2
96	MP1B	Mx	.013	2
97	MP1C	X	27.695	2
98	MP1C	Z	15.989	2
99	MP1C	Mx	-.016	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	14.055	5.5
2	MP3A	Z	24.344	5.5
3	MP3A	Mx	0	5.5
4	MP3B	X	5.581	5.5
5	MP3B	Z	9.666	5.5
6	MP3B	Mx	-.005	5.5
7	MP3C	X	5.581	5.5
8	MP3C	Z	9.666	5.5
9	MP3C	Mx	.005	5.5
10	MP3A	X	37.111	1
11	MP3A	Z	64.279	1
12	MP3A	Mx	0	1
13	MP3A	X	37.111	3
14	MP3A	Z	64.279	3
15	MP3A	Mx	0	3
16	MP3B	X	20.175	1
17	MP3B	Z	34.943	1
18	MP3B	Mx	-.017	1
19	MP3B	X	20.175	3
20	MP3B	Z	34.943	3
21	MP3B	Mx	-.017	3
22	MP3C	X	20.175	1
23	MP3C	Z	34.943	1
24	MP3C	Mx	.017	1
25	MP3C	X	20.175	3
26	MP3C	Z	34.943	3
27	MP3C	Mx	.017	3
28	MP1A	X	64.432	.75
29	MP1A	Z	111.599	.75
30	MP1A	Mx	.075	.75
31	MP1A	X	64.432	3.75
32	MP1A	Z	111.599	3.75
33	MP1A	Mx	.075	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP1B	X	48.065	.75
35	MP1B	Z	83.251	.75
36	MP1B	Mx	-.07	.75
37	MP1B	X	48.065	3.75
38	MP1B	Z	83.251	3.75
39	MP1B	Mx	-.07	3.75
40	MP1C	X	48.065	.75
41	MP1C	Z	83.251	.75
42	MP1C	Mx	.014	.75
43	MP1C	X	48.065	3.75
44	MP1C	Z	83.251	3.75
45	MP1C	Mx	.014	3.75
46	MP1A	X	64.432	.75
47	MP1A	Z	111.599	.75
48	MP1A	Mx	-.075	.75
49	MP1A	X	64.432	3.75
50	MP1A	Z	111.599	3.75
51	MP1A	Mx	-.075	3.75
52	MP1B	X	48.065	.75
53	MP1B	Z	83.251	.75
54	MP1B	Mx	-.014	.75
55	MP1B	X	48.065	3.75
56	MP1B	Z	83.251	3.75
57	MP1B	Mx	-.014	3.75
58	MP1C	X	48.065	.75
59	MP1C	Z	83.251	.75
60	MP1C	Mx	.07	.75
61	MP1C	X	48.065	3.75
62	MP1C	Z	83.251	3.75
63	MP1C	Mx	.07	3.75
64	MP4A	X	37.269	1.5
65	MP4A	Z	64.552	1.5
66	MP4A	Mx	0	1.5
67	MP4A	X	37.269	4.5
68	MP4A	Z	64.552	4.5
69	MP4A	Mx	0	4.5
70	MP4B	X	23.768	1.5
71	MP4B	Z	41.168	1.5
72	MP4B	Mx	-.021	1.5
73	MP4B	X	23.768	4.5
74	MP4B	Z	41.168	4.5
75	MP4B	Mx	-.021	4.5
76	MP4C	X	23.768	1.5
77	MP4C	Z	41.168	1.5
78	MP4C	Mx	.021	1.5
79	MP4C	X	23.768	4.5
80	MP4C	Z	41.168	4.5
81	MP4C	Mx	.021	4.5
82	MP2A	X	29.531	2
83	MP2A	Z	51.15	2
84	MP2A	Mx	0	2
85	MP2B	X	22.188	2
86	MP2B	Z	38.431	2
87	MP2B	Mx	.019	2
88	MP2C	X	22.188	2
89	MP2C	Z	38.431	2
90	MP2C	Mx	-.019	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
91	MP1A	X	29.527	2
92	MP1A	Z	51.142	2
93	MP1A	Mx	.000515	2
94	MP1B	X	19.375	2
95	MP1B	Z	33.558	2
96	MP1B	Mx	.017	2
97	MP1C	X	19.375	2
98	MP1C	Z	33.558	2
99	MP1C	Mx	-.017	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP3A	X	0	5.5
2	MP3A	Z	22.461	5.5
3	MP3A	Mx	.006	5.5
4	MP3B	X	0	5.5
5	MP3B	Z	5.513	5.5
6	MP3B	Mx	-.003	5.5
7	MP3C	X	0	5.5
8	MP3C	Z	22.461	5.5
9	MP3C	Mx	.006	5.5
10	MP3A	X	0	1
11	MP3A	Z	62.932	1
12	MP3A	Mx	.016	1
13	MP3A	X	0	3
14	MP3A	Z	62.932	3
15	MP3A	Mx	.016	3
16	MP3B	X	0	1
17	MP3B	Z	29.058	1
18	MP3B	Mx	-.015	1
19	MP3B	X	0	3
20	MP3B	Z	29.058	3
21	MP3B	Mx	-.015	3
22	MP3C	X	0	1
23	MP3C	Z	62.932	1
24	MP3C	Mx	.016	1
25	MP3C	X	0	3
26	MP3C	Z	62.932	3
27	MP3C	Mx	.016	3
28	MP1A	X	0	.75
29	MP1A	Z	117.952	.75
30	MP1A	Mx	.089	.75
31	MP1A	X	0	3.75
32	MP1A	Z	117.952	3.75
33	MP1A	Mx	.089	3.75
34	MP1B	X	0	.75
35	MP1B	Z	85.218	.75
36	MP1B	Mx	-.043	.75
37	MP1B	X	0	3.75
38	MP1B	Z	85.218	3.75
39	MP1B	Mx	-.043	3.75
40	MP1C	X	0	.75
41	MP1C	Z	117.952	.75
42	MP1C	Mx	-.03	.75
43	MP1C	X	0	3.75
44	MP1C	Z	117.952	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
45	MP1C	Mx	-.03	3.75
46	MP1A	X	0	.75
47	MP1A	Z	117.952	.75
48	MP1A	Mx	-.03	.75
49	MP1A	X	0	3.75
50	MP1A	Z	117.952	3.75
51	MP1A	Mx	-.03	3.75
52	MP1B	X	0	.75
53	MP1B	Z	85.218	.75
54	MP1B	Mx	-.043	.75
55	MP1B	X	0	3.75
56	MP1B	Z	85.218	3.75
57	MP1B	Mx	-.043	3.75
58	MP1C	X	0	.75
59	MP1C	Z	117.952	.75
60	MP1C	Mx	.089	.75
61	MP1C	X	0	3.75
62	MP1C	Z	117.952	3.75
63	MP1C	Mx	.089	3.75
64	MP4A	X	0	1.5
65	MP4A	Z	65.538	1.5
66	MP4A	Mx	.016	1.5
67	MP4A	X	0	4.5
68	MP4A	Z	65.538	4.5
69	MP4A	Mx	.016	4.5
70	MP4B	X	0	1.5
71	MP4B	Z	38.536	1.5
72	MP4B	Mx	-.019	1.5
73	MP4B	X	0	4.5
74	MP4B	Z	38.536	4.5
75	MP4B	Mx	-.019	4.5
76	MP4C	X	0	1.5
77	MP4C	Z	65.538	1.5
78	MP4C	Mx	.016	1.5
79	MP4C	X	0	4.5
80	MP4C	Z	65.538	4.5
81	MP4C	Mx	.016	4.5
82	MP2A	X	0	2
83	MP2A	Z	54.167	2
84	MP2A	Mx	-.014	2
85	MP2B	X	0	2
86	MP2B	Z	39.48	2
87	MP2B	Mx	.02	2
88	MP2C	X	0	2
89	MP2C	Z	54.167	2
90	MP2C	Mx	-.014	2
91	MP1A	X	0	2
92	MP1A	Z	52.697	2
93	MP1A	Mx	-.013	2
94	MP1B	X	0	2
95	MP1B	Z	31.979	2
96	MP1B	Mx	.016	2
97	MP1C	X	0	2
98	MP1C	Z	52.292	2
99	MP1C	Mx	-.013	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-5.581	5.5
2	MP3A	Z	9.666	5.5
3	MP3A	Mx	.005	5.5
4	MP3B	X	-5.581	5.5
5	MP3B	Z	9.666	5.5
6	MP3B	Mx	-.005	5.5
7	MP3C	X	-14.055	5.5
8	MP3C	Z	24.344	5.5
9	MP3C	Mx	0	5.5
10	MP3A	X	-20.175	1
11	MP3A	Z	34.943	1
12	MP3A	Mx	.017	1
13	MP3A	X	-20.175	3
14	MP3A	Z	34.943	3
15	MP3A	Mx	.017	3
16	MP3B	X	-20.175	1
17	MP3B	Z	34.943	1
18	MP3B	Mx	-.017	1
19	MP3B	X	-20.175	3
20	MP3B	Z	34.943	3
21	MP3B	Mx	-.017	3
22	MP3C	X	-37.111	1
23	MP3C	Z	64.279	1
24	MP3C	Mx	0	1
25	MP3C	X	-37.111	3
26	MP3C	Z	64.279	3
27	MP3C	Mx	0	3
28	MP1A	X	-48.065	.75
29	MP1A	Z	83.251	.75
30	MP1A	Mx	.07	.75
31	MP1A	X	-48.065	3.75
32	MP1A	Z	83.251	3.75
33	MP1A	Mx	.07	3.75
34	MP1B	X	-48.065	.75
35	MP1B	Z	83.251	.75
36	MP1B	Mx	-.014	.75
37	MP1B	X	-48.065	3.75
38	MP1B	Z	83.251	3.75
39	MP1B	Mx	-.014	3.75
40	MP1C	X	-64.432	.75
41	MP1C	Z	111.599	.75
42	MP1C	Mx	-.075	.75
43	MP1C	X	-64.432	3.75
44	MP1C	Z	111.599	3.75
45	MP1C	Mx	-.075	3.75
46	MP1A	X	-48.065	.75
47	MP1A	Z	83.251	.75
48	MP1A	Mx	.014	.75
49	MP1A	X	-48.065	3.75
50	MP1A	Z	83.251	3.75
51	MP1A	Mx	.014	3.75
52	MP1B	X	-48.065	.75
53	MP1B	Z	83.251	.75
54	MP1B	Mx	-.07	.75
55	MP1B	X	-48.065	3.75
56	MP1B	Z	83.251	3.75
57	MP1B	Mx	-.07	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1C	X	-64.432	.75
59	MP1C	Z	111.599	.75
60	MP1C	Mx	.075	.75
61	MP1C	X	-64.432	3.75
62	MP1C	Z	111.599	3.75
63	MP1C	Mx	.075	3.75
64	MP4A	X	-23.768	1.5
65	MP4A	Z	41.168	1.5
66	MP4A	Mx	.021	1.5
67	MP4A	X	-23.768	4.5
68	MP4A	Z	41.168	4.5
69	MP4A	Mx	.021	4.5
70	MP4B	X	-23.768	1.5
71	MP4B	Z	41.168	1.5
72	MP4B	Mx	-.021	1.5
73	MP4B	X	-23.768	4.5
74	MP4B	Z	41.168	4.5
75	MP4B	Mx	-.021	4.5
76	MP4C	X	-37.269	1.5
77	MP4C	Z	64.552	1.5
78	MP4C	Mx	0	1.5
79	MP4C	X	-37.269	4.5
80	MP4C	Z	64.552	4.5
81	MP4C	Mx	0	4.5
82	MP2A	X	-22.188	2
83	MP2A	Z	38.431	2
84	MP2A	Mx	-.019	2
85	MP2B	X	-22.188	2
86	MP2B	Z	38.431	2
87	MP2B	Mx	.019	2
88	MP2C	X	-29.531	2
89	MP2C	Z	51.15	2
90	MP2C	Mx	0	2
91	MP1A	X	-19.582	2
92	MP1A	Z	33.916	2
93	MP1A	Mx	-.017	2
94	MP1B	X	-19.375	2
95	MP1B	Z	33.558	2
96	MP1B	Mx	.017	2
97	MP1C	X	-29.531	2
98	MP1C	Z	51.15	2
99	MP1C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.774	5.5
2	MP3A	Z	2.756	5.5
3	MP3A	Mx	.003	5.5
4	MP3B	X	-19.451	5.5
5	MP3B	Z	11.23	5.5
6	MP3B	Mx	-.006	5.5
7	MP3C	X	-19.451	5.5
8	MP3C	Z	11.23	5.5
9	MP3C	Mx	-.006	5.5
10	MP3A	X	-25.165	1
11	MP3A	Z	14.529	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP3A	Mx	.015	1
13	MP3A	X	-25.165	3
14	MP3A	Z	14.529	3
15	MP3A	Mx	.015	3
16	MP3B	X	-54.5	1
17	MP3B	Z	31.466	1
18	MP3B	Mx	-.016	1
19	MP3B	X	-54.5	3
20	MP3B	Z	31.466	3
21	MP3B	Mx	-.016	3
22	MP3C	X	-54.5	1
23	MP3C	Z	31.466	1
24	MP3C	Mx	-.016	1
25	MP3C	X	-54.5	3
26	MP3C	Z	31.466	3
27	MP3C	Mx	-.016	3
28	MP1A	X	-73.801	.75
29	MP1A	Z	42.609	.75
30	MP1A	Mx	.043	.75
31	MP1A	X	-73.801	3.75
32	MP1A	Z	42.609	3.75
33	MP1A	Mx	.043	3.75
34	MP1B	X	-102.149	.75
35	MP1B	Z	58.976	.75
36	MP1B	Mx	.03	.75
37	MP1B	X	-102.149	3.75
38	MP1B	Z	58.976	3.75
39	MP1B	Mx	.03	3.75
40	MP1C	X	-102.149	.75
41	MP1C	Z	58.976	.75
42	MP1C	Mx	-.089	.75
43	MP1C	X	-102.149	3.75
44	MP1C	Z	58.976	3.75
45	MP1C	Mx	-.089	3.75
46	MP1A	X	-73.801	.75
47	MP1A	Z	42.609	.75
48	MP1A	Mx	.043	.75
49	MP1A	X	-73.801	3.75
50	MP1A	Z	42.609	3.75
51	MP1A	Mx	.043	3.75
52	MP1B	X	-102.149	.75
53	MP1B	Z	58.976	.75
54	MP1B	Mx	-.089	.75
55	MP1B	X	-102.149	3.75
56	MP1B	Z	58.976	3.75
57	MP1B	Mx	-.089	3.75
58	MP1C	X	-102.149	.75
59	MP1C	Z	58.976	.75
60	MP1C	Mx	.03	.75
61	MP1C	X	-102.149	3.75
62	MP1C	Z	58.976	3.75
63	MP1C	Mx	.03	3.75
64	MP4A	X	-33.373	1.5
65	MP4A	Z	19.268	1.5
66	MP4A	Mx	.019	1.5
67	MP4A	X	-33.373	4.5
68	MP4A	Z	19.268	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
69	MP4A	Mx	.019	4.5
70	MP4B	X	-56.758	1.5
71	MP4B	Z	32.769	1.5
72	MP4B	Mx	-.016	1.5
73	MP4B	X	-56.758	4.5
74	MP4B	Z	32.769	4.5
75	MP4B	Mx	-.016	4.5
76	MP4C	X	-56.758	1.5
77	MP4C	Z	32.769	1.5
78	MP4C	Mx	-.016	1.5
79	MP4C	X	-56.758	4.5
80	MP4C	Z	32.769	4.5
81	MP4C	Mx	-.016	4.5
82	MP2A	X	-34.191	2
83	MP2A	Z	19.74	2
84	MP2A	Mx	-.02	2
85	MP2B	X	-46.91	2
86	MP2B	Z	27.083	2
87	MP2B	Mx	.014	2
88	MP2C	X	-46.91	2
89	MP2C	Z	27.083	2
90	MP2C	Mx	.014	2
91	MP1A	X	-27.702	2
92	MP1A	Z	15.994	2
93	MP1A	Mx	-.016	2
94	MP1B	X	-45.286	2
95	MP1B	Z	26.146	2
96	MP1B	Mx	.013	2
97	MP1C	X	-45.286	2
98	MP1C	Z	26.146	2
99	MP1C	Mx	.013	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-11.162	5.5
2	MP3A	Z	0	5.5
3	MP3A	Mx	.005	5.5
4	MP3B	X	-28.11	5.5
5	MP3B	Z	0	5.5
6	MP3B	Mx	0	5.5
7	MP3C	X	-11.162	5.5
8	MP3C	Z	0	5.5
9	MP3C	Mx	-.005	5.5
10	MP3A	X	-40.349	1
11	MP3A	Z	0	1
12	MP3A	Mx	.017	1
13	MP3A	X	-40.349	3
14	MP3A	Z	0	3
15	MP3A	Mx	.017	3
16	MP3B	X	-74.223	1
17	MP3B	Z	0	1
18	MP3B	Mx	0	1
19	MP3B	X	-74.223	3
20	MP3B	Z	0	3
21	MP3B	Mx	0	3
22	MP3C	X	-40.349	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
23	MP3C	Z	0	1
24	MP3C	Mx	-.017	1
25	MP3C	X	-40.349	3
26	MP3C	Z	0	3
27	MP3C	Mx	-.017	3
28	MP1A	X	-96.129	.75
29	MP1A	Z	0	.75
30	MP1A	Mx	.014	.75
31	MP1A	X	-96.129	3.75
32	MP1A	Z	0	3.75
33	MP1A	Mx	.014	3.75
34	MP1B	X	-128.863	.75
35	MP1B	Z	0	.75
36	MP1B	Mx	.075	.75
37	MP1B	X	-128.863	3.75
38	MP1B	Z	0	3.75
39	MP1B	Mx	.075	3.75
40	MP1C	X	-96.129	.75
41	MP1C	Z	0	.75
42	MP1C	Mx	-.07	.75
43	MP1C	X	-96.129	3.75
44	MP1C	Z	0	3.75
45	MP1C	Mx	-.07	3.75
46	MP1A	X	-96.129	.75
47	MP1A	Z	0	.75
48	MP1A	Mx	.07	.75
49	MP1A	X	-96.129	3.75
50	MP1A	Z	0	3.75
51	MP1A	Mx	.07	3.75
52	MP1B	X	-128.863	.75
53	MP1B	Z	0	.75
54	MP1B	Mx	-.075	.75
55	MP1B	X	-128.863	3.75
56	MP1B	Z	0	3.75
57	MP1B	Mx	-.075	3.75
58	MP1C	X	-96.129	.75
59	MP1C	Z	0	.75
60	MP1C	Mx	-.014	.75
61	MP1C	X	-96.129	3.75
62	MP1C	Z	0	3.75
63	MP1C	Mx	-.014	3.75
64	MP4A	X	-47.537	1.5
65	MP4A	Z	0	1.5
66	MP4A	Mx	.021	1.5
67	MP4A	X	-47.537	4.5
68	MP4A	Z	0	4.5
69	MP4A	Mx	.021	4.5
70	MP4B	X	-74.539	1.5
71	MP4B	Z	0	1.5
72	MP4B	Mx	0	1.5
73	MP4B	X	-74.539	4.5
74	MP4B	Z	0	4.5
75	MP4B	Mx	0	4.5
76	MP4C	X	-47.537	1.5
77	MP4C	Z	0	1.5
78	MP4C	Mx	-.021	1.5
79	MP4C	X	-47.537	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
80	MP4C	Z	0	4.5
81	MP4C	Mx	-.021	4.5
82	MP2A	X	-44.376	2
83	MP2A	Z	0	2
84	MP2A	Mx	-.019	2
85	MP2B	X	-59.062	2
86	MP2B	Z	0	2
87	MP2B	Mx	0	2
88	MP2C	X	-44.376	2
89	MP2C	Z	0	2
90	MP2C	Mx	.019	2
91	MP1A	X	-38.345	2
92	MP1A	Z	0	2
93	MP1A	Mx	-.017	2
94	MP1B	X	-59.062	2
95	MP1B	Z	0	2
96	MP1B	Mx	0	2
97	MP1C	X	-38.75	2
98	MP1C	Z	0	2
99	MP1C	Mx	.017	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-19.451	5.5
2	MP3A	Z	-11.23	5.5
3	MP3A	Mx	.006	5.5
4	MP3B	X	-19.451	5.5
5	MP3B	Z	-11.23	5.5
6	MP3B	Mx	.006	5.5
7	MP3C	X	-4.774	5.5
8	MP3C	Z	-2.756	5.5
9	MP3C	Mx	-.003	5.5
10	MP3A	X	-54.5	1
11	MP3A	Z	-31.466	1
12	MP3A	Mx	.016	1
13	MP3A	X	-54.5	3
14	MP3A	Z	-31.466	3
15	MP3A	Mx	.016	3
16	MP3B	X	-54.5	1
17	MP3B	Z	-31.466	1
18	MP3B	Mx	.016	1
19	MP3B	X	-54.5	3
20	MP3B	Z	-31.466	3
21	MP3B	Mx	.016	3
22	MP3C	X	-25.165	1
23	MP3C	Z	-14.529	1
24	MP3C	Mx	-.015	1
25	MP3C	X	-25.165	3
26	MP3C	Z	-14.529	3
27	MP3C	Mx	-.015	3
28	MP1A	X	-102.149	.75
29	MP1A	Z	-58.976	.75
30	MP1A	Mx	-.03	.75
31	MP1A	X	-102.149	3.75
32	MP1A	Z	-58.976	3.75
33	MP1A	Mx	-.03	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP1B	X	-102.149	.75
35	MP1B	Z	-58.976	.75
36	MP1B	Mx	.089	.75
37	MP1B	X	-102.149	3.75
38	MP1B	Z	-58.976	3.75
39	MP1B	Mx	.089	3.75
40	MP1C	X	-73.801	.75
41	MP1C	Z	-42.609	.75
42	MP1C	Mx	-.043	.75
43	MP1C	X	-73.801	3.75
44	MP1C	Z	-42.609	3.75
45	MP1C	Mx	-.043	3.75
46	MP1A	X	-102.149	.75
47	MP1A	Z	-58.976	.75
48	MP1A	Mx	.089	.75
49	MP1A	X	-102.149	3.75
50	MP1A	Z	-58.976	3.75
51	MP1A	Mx	.089	3.75
52	MP1B	X	-102.149	.75
53	MP1B	Z	-58.976	.75
54	MP1B	Mx	-.03	.75
55	MP1B	X	-102.149	3.75
56	MP1B	Z	-58.976	3.75
57	MP1B	Mx	-.03	3.75
58	MP1C	X	-73.801	.75
59	MP1C	Z	-42.609	.75
60	MP1C	Mx	-.043	.75
61	MP1C	X	-73.801	3.75
62	MP1C	Z	-42.609	3.75
63	MP1C	Mx	-.043	3.75
64	MP4A	X	-56.758	1.5
65	MP4A	Z	-32.769	1.5
66	MP4A	Mx	.016	1.5
67	MP4A	X	-56.758	4.5
68	MP4A	Z	-32.769	4.5
69	MP4A	Mx	.016	4.5
70	MP4B	X	-56.758	1.5
71	MP4B	Z	-32.769	1.5
72	MP4B	Mx	.016	1.5
73	MP4B	X	-56.758	4.5
74	MP4B	Z	-32.769	4.5
75	MP4B	Mx	.016	4.5
76	MP4C	X	-33.373	1.5
77	MP4C	Z	-19.268	1.5
78	MP4C	Mx	-.019	1.5
79	MP4C	X	-33.373	4.5
80	MP4C	Z	-19.268	4.5
81	MP4C	Mx	-.019	4.5
82	MP2A	X	-46.91	2
83	MP2A	Z	-27.083	2
84	MP2A	Mx	-.014	2
85	MP2B	X	-46.91	2
86	MP2B	Z	-27.083	2
87	MP2B	Mx	-.014	2
88	MP2C	X	-34.191	2
89	MP2C	Z	-19.74	2
90	MP2C	Mx	.02	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
91	MP1A	X	-44.928	2
92	MP1A	Z	-25.939	2
93	MP1A	Mx	-.013	2
94	MP1B	X	-45.286	2
95	MP1B	Z	-26.146	2
96	MP1B	Mx	-.013	2
97	MP1C	X	-27.695	2
98	MP1C	Z	-15.989	2
99	MP1C	Mx	.016	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP3A	X	-14.055	5.5
2	MP3A	Z	-24.344	5.5
3	MP3A	Mx	0	5.5
4	MP3B	X	-5.581	5.5
5	MP3B	Z	-9.666	5.5
6	MP3B	Mx	.005	5.5
7	MP3C	X	-5.581	5.5
8	MP3C	Z	-9.666	5.5
9	MP3C	Mx	-.005	5.5
10	MP3A	X	-37.111	1
11	MP3A	Z	-64.279	1
12	MP3A	Mx	0	1
13	MP3A	X	-37.111	3
14	MP3A	Z	-64.279	3
15	MP3A	Mx	0	3
16	MP3B	X	-20.175	1
17	MP3B	Z	-34.943	1
18	MP3B	Mx	.017	1
19	MP3B	X	-20.175	3
20	MP3B	Z	-34.943	3
21	MP3B	Mx	.017	3
22	MP3C	X	-20.175	1
23	MP3C	Z	-34.943	1
24	MP3C	Mx	-.017	1
25	MP3C	X	-20.175	3
26	MP3C	Z	-34.943	3
27	MP3C	Mx	-.017	3
28	MP1A	X	-64.432	.75
29	MP1A	Z	-111.599	.75
30	MP1A	Mx	-.075	.75
31	MP1A	X	-64.432	3.75
32	MP1A	Z	-111.599	3.75
33	MP1A	Mx	-.075	3.75
34	MP1B	X	-48.065	.75
35	MP1B	Z	-83.251	.75
36	MP1B	Mx	.07	.75
37	MP1B	X	-48.065	3.75
38	MP1B	Z	-83.251	3.75
39	MP1B	Mx	.07	3.75
40	MP1C	X	-48.065	.75
41	MP1C	Z	-83.251	.75
42	MP1C	Mx	-.014	.75
43	MP1C	X	-48.065	3.75
44	MP1C	Z	-83.251	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP1C	Mx	-.014	3.75
46	MP1A	X	-64.432	.75
47	MP1A	Z	-111.599	.75
48	MP1A	Mx	.075	.75
49	MP1A	X	-64.432	3.75
50	MP1A	Z	-111.599	3.75
51	MP1A	Mx	.075	3.75
52	MP1B	X	-48.065	.75
53	MP1B	Z	-83.251	.75
54	MP1B	Mx	.014	.75
55	MP1B	X	-48.065	3.75
56	MP1B	Z	-83.251	3.75
57	MP1B	Mx	.014	3.75
58	MP1C	X	-48.065	.75
59	MP1C	Z	-83.251	.75
60	MP1C	Mx	-.07	.75
61	MP1C	X	-48.065	3.75
62	MP1C	Z	-83.251	3.75
63	MP1C	Mx	-.07	3.75
64	MP4A	X	-37.269	1.5
65	MP4A	Z	-64.552	1.5
66	MP4A	Mx	0	1.5
67	MP4A	X	-37.269	4.5
68	MP4A	Z	-64.552	4.5
69	MP4A	Mx	0	4.5
70	MP4B	X	-23.768	1.5
71	MP4B	Z	-41.168	1.5
72	MP4B	Mx	.021	1.5
73	MP4B	X	-23.768	4.5
74	MP4B	Z	-41.168	4.5
75	MP4B	Mx	.021	4.5
76	MP4C	X	-23.768	1.5
77	MP4C	Z	-41.168	1.5
78	MP4C	Mx	-.021	1.5
79	MP4C	X	-23.768	4.5
80	MP4C	Z	-41.168	4.5
81	MP4C	Mx	-.021	4.5
82	MP2A	X	-29.531	2
83	MP2A	Z	-51.15	2
84	MP2A	Mx	0	2
85	MP2B	X	-22.188	2
86	MP2B	Z	-38.431	2
87	MP2B	Mx	-.019	2
88	MP2C	X	-22.188	2
89	MP2C	Z	-38.431	2
90	MP2C	Mx	.019	2
91	MP1A	X	-29.527	2
92	MP1A	Z	-51.142	2
93	MP1A	Mx	-.000515	2
94	MP1B	X	-19.375	2
95	MP1B	Z	-33.558	2
96	MP1B	Mx	-.017	2
97	MP1C	X	-19.375	2
98	MP1C	Z	-33.558	2
99	MP1C	Mx	.017	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	5.5
2	MP3A	Z	-6.38	5.5
3	MP3A	Mx	-.002	5.5
4	MP3B	X	0	5.5
5	MP3B	Z	-2.595	5.5
6	MP3B	Mx	.001	5.5
7	MP3C	X	0	5.5
8	MP3C	Z	-6.38	5.5
9	MP3C	Mx	-.002	5.5
10	MP3A	X	0	1
11	MP3A	Z	-14.215	1
12	MP3A	Mx	-.004	1
13	MP3A	X	0	3
14	MP3A	Z	-14.215	3
15	MP3A	Mx	-.004	3
16	MP3B	X	0	1
17	MP3B	Z	-7.33	1
18	MP3B	Mx	.004	1
19	MP3B	X	0	3
20	MP3B	Z	-7.33	3
21	MP3B	Mx	.004	3
22	MP3C	X	0	1
23	MP3C	Z	-14.215	1
24	MP3C	Mx	-.004	1
25	MP3C	X	0	3
26	MP3C	Z	-14.215	3
27	MP3C	Mx	-.004	3
28	MP1A	X	0	.75
29	MP1A	Z	-25.656	.75
30	MP1A	Mx	-.019	.75
31	MP1A	X	0	3.75
32	MP1A	Z	-25.656	3.75
33	MP1A	Mx	-.019	3.75
34	MP1B	X	0	.75
35	MP1B	Z	-19.484	.75
36	MP1B	Mx	.01	.75
37	MP1B	X	0	3.75
38	MP1B	Z	-19.484	3.75
39	MP1B	Mx	.01	3.75
40	MP1C	X	0	.75
41	MP1C	Z	-25.656	.75
42	MP1C	Mx	.007	.75
43	MP1C	X	0	3.75
44	MP1C	Z	-25.656	3.75
45	MP1C	Mx	.007	3.75
46	MP1A	X	0	.75
47	MP1A	Z	-25.656	.75
48	MP1A	Mx	.007	.75
49	MP1A	X	0	3.75
50	MP1A	Z	-25.656	3.75
51	MP1A	Mx	.007	3.75
52	MP1B	X	0	.75
53	MP1B	Z	-19.484	.75
54	MP1B	Mx	.01	.75
55	MP1B	X	0	3.75
56	MP1B	Z	-19.484	3.75
57	MP1B	Mx	.01	3.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1C	X	0	.75
59	MP1C	Z	-25.656	.75
60	MP1C	Mx	-.019	.75
61	MP1C	X	0	3.75
62	MP1C	Z	-25.656	3.75
63	MP1C	Mx	-.019	3.75
64	MP4A	X	0	1.5
65	MP4A	Z	-14.85	1.5
66	MP4A	Mx	-.004	1.5
67	MP4A	X	0	4.5
68	MP4A	Z	-14.85	4.5
69	MP4A	Mx	-.004	4.5
70	MP4B	X	0	1.5
71	MP4B	Z	-9.608	1.5
72	MP4B	Mx	.005	1.5
73	MP4B	X	0	4.5
74	MP4B	Z	-9.608	4.5
75	MP4B	Mx	.005	4.5
76	MP4C	X	0	1.5
77	MP4C	Z	-14.85	1.5
78	MP4C	Mx	-.004	1.5
79	MP4C	X	0	4.5
80	MP4C	Z	-14.85	4.5
81	MP4C	Mx	-.004	4.5
82	MP2A	X	0	2
83	MP2A	Z	-13.258	2
84	MP2A	Mx	.003	2
85	MP2B	X	0	2
86	MP2B	Z	-10.138	2
87	MP2B	Mx	-.005	2
88	MP2C	X	0	2
89	MP2C	Z	-13.258	2
90	MP2C	Mx	.003	2
91	MP1A	X	0	2
92	MP1A	Z	-12.949	2
93	MP1A	Mx	.003	2
94	MP1B	X	0	2
95	MP1B	Z	-8.558	2
96	MP1B	Mx	-.004	2
97	MP1C	X	0	2
98	MP1C	Z	-12.863	2
99	MP1C	Mx	.003	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	1.929	5.5
2	MP3A	Z	-3.34	5.5
3	MP3A	Mx	-.002	5.5
4	MP3B	X	1.929	5.5
5	MP3B	Z	-3.34	5.5
6	MP3B	Mx	.002	5.5
7	MP3C	X	3.821	5.5
8	MP3C	Z	-6.618	5.5
9	MP3C	Mx	0	5.5
10	MP3A	X	4.813	1
11	MP3A	Z	-8.336	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP3A	Mx	-.004	1
13	MP3A	X	4.813	3
14	MP3A	Z	-8.336	3
15	MP3A	Mx	-.004	3
16	MP3B	X	4.813	1
17	MP3B	Z	-8.336	1
18	MP3B	Mx	.004	1
19	MP3B	X	4.813	3
20	MP3B	Z	-8.336	3
21	MP3B	Mx	.004	3
22	MP3C	X	8.255	1
23	MP3C	Z	-14.298	1
24	MP3C	Mx	0	1
25	MP3C	X	8.255	3
26	MP3C	Z	-14.298	3
27	MP3C	Mx	0	3
28	MP1A	X	10.771	.75
29	MP1A	Z	-18.655	.75
30	MP1A	Mx	-.016	.75
31	MP1A	X	10.771	3.75
32	MP1A	Z	-18.655	3.75
33	MP1A	Mx	-.016	3.75
34	MP1B	X	10.771	.75
35	MP1B	Z	-18.655	.75
36	MP1B	Mx	.003	.75
37	MP1B	X	10.771	3.75
38	MP1B	Z	-18.655	3.75
39	MP1B	Mx	.003	3.75
40	MP1C	X	13.857	.75
41	MP1C	Z	-24	.75
42	MP1C	Mx	.016	.75
43	MP1C	X	13.857	3.75
44	MP1C	Z	-24	3.75
45	MP1C	Mx	.016	3.75
46	MP1A	X	10.771	.75
47	MP1A	Z	-18.655	.75
48	MP1A	Mx	-.003	.75
49	MP1A	X	10.771	3.75
50	MP1A	Z	-18.655	3.75
51	MP1A	Mx	-.003	3.75
52	MP1B	X	10.771	.75
53	MP1B	Z	-18.655	.75
54	MP1B	Mx	.016	.75
55	MP1B	X	10.771	3.75
56	MP1B	Z	-18.655	3.75
57	MP1B	Mx	.016	3.75
58	MP1C	X	13.857	.75
59	MP1C	Z	-24	.75
60	MP1C	Mx	-.016	.75
61	MP1C	X	13.857	3.75
62	MP1C	Z	-24	3.75
63	MP1C	Mx	-.016	3.75
64	MP4A	X	5.678	1.5
65	MP4A	Z	-9.834	1.5
66	MP4A	Mx	-.005	1.5
67	MP4A	X	5.678	4.5
68	MP4A	Z	-9.834	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
69	MP4A	Mx	-.005	4.5
70	MP4B	X	5.678	1.5
71	MP4B	Z	-9.834	1.5
72	MP4B	Mx	.005	1.5
73	MP4B	X	5.678	4.5
74	MP4B	Z	-9.834	4.5
75	MP4B	Mx	.005	4.5
76	MP4C	X	8.299	1.5
77	MP4C	Z	-14.374	1.5
78	MP4C	Mx	0	1.5
79	MP4C	X	8.299	4.5
80	MP4C	Z	-14.374	4.5
81	MP4C	Mx	0	4.5
82	MP2A	X	5.589	2
83	MP2A	Z	-9.681	2
84	MP2A	Mx	.005	2
85	MP2B	X	5.589	2
86	MP2B	Z	-9.681	2
87	MP2B	Mx	-.005	2
88	MP2C	X	7.149	2
89	MP2C	Z	-12.383	2
90	MP2C	Mx	0	2
91	MP1A	X	5.04	2
92	MP1A	Z	-8.73	2
93	MP1A	Mx	.004	2
94	MP1B	X	4.996	2
95	MP1B	Z	-8.654	2
96	MP1B	Mx	-.004	2
97	MP1C	X	7.149	2
98	MP1C	Z	-12.383	2
99	MP1C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	2.248	5.5
2	MP3A	Z	-1.298	5.5
3	MP3A	Mx	-.001	5.5
4	MP3B	X	5.526	5.5
5	MP3B	Z	-3.19	5.5
6	MP3B	Mx	.002	5.5
7	MP3C	X	5.526	5.5
8	MP3C	Z	-3.19	5.5
9	MP3C	Mx	.002	5.5
10	MP3A	X	6.348	1
11	MP3A	Z	-3.665	1
12	MP3A	Mx	-.004	1
13	MP3A	X	6.348	3
14	MP3A	Z	-3.665	3
15	MP3A	Mx	-.004	3
16	MP3B	X	12.31	1
17	MP3B	Z	-7.107	1
18	MP3B	Mx	.004	1
19	MP3B	X	12.31	3
20	MP3B	Z	-7.107	3
21	MP3B	Mx	.004	3
22	MP3C	X	12.31	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
23	MP3C	Z	-7.107	1
24	MP3C	Mx	.004	1
25	MP3C	X	12.31	3
26	MP3C	Z	-7.107	3
27	MP3C	Mx	.004	3
28	MP1A	X	16.874	.75
29	MP1A	Z	-9.742	.75
30	MP1A	Mx	-.01	.75
31	MP1A	X	16.874	3.75
32	MP1A	Z	-9.742	3.75
33	MP1A	Mx	-.01	3.75
34	MP1B	X	22.219	.75
35	MP1B	Z	-12.828	.75
36	MP1B	Mx	-.007	.75
37	MP1B	X	22.219	3.75
38	MP1B	Z	-12.828	3.75
39	MP1B	Mx	-.007	3.75
40	MP1C	X	22.219	.75
41	MP1C	Z	-12.828	.75
42	MP1C	Mx	.019	.75
43	MP1C	X	22.219	3.75
44	MP1C	Z	-12.828	3.75
45	MP1C	Mx	.019	3.75
46	MP1A	X	16.874	.75
47	MP1A	Z	-9.742	.75
48	MP1A	Mx	-.01	.75
49	MP1A	X	16.874	3.75
50	MP1A	Z	-9.742	3.75
51	MP1A	Mx	-.01	3.75
52	MP1B	X	22.219	.75
53	MP1B	Z	-12.828	.75
54	MP1B	Mx	.019	.75
55	MP1B	X	22.219	3.75
56	MP1B	Z	-12.828	3.75
57	MP1B	Mx	.019	3.75
58	MP1C	X	22.219	.75
59	MP1C	Z	-12.828	.75
60	MP1C	Mx	-.007	.75
61	MP1C	X	22.219	3.75
62	MP1C	Z	-12.828	3.75
63	MP1C	Mx	-.007	3.75
64	MP4A	X	8.32	1.5
65	MP4A	Z	-4.804	1.5
66	MP4A	Mx	-.005	1.5
67	MP4A	X	8.32	4.5
68	MP4A	Z	-4.804	4.5
69	MP4A	Mx	-.005	4.5
70	MP4B	X	12.861	1.5
71	MP4B	Z	-7.425	1.5
72	MP4B	Mx	.004	1.5
73	MP4B	X	12.861	4.5
74	MP4B	Z	-7.425	4.5
75	MP4B	Mx	.004	4.5
76	MP4C	X	12.861	1.5
77	MP4C	Z	-7.425	1.5
78	MP4C	Mx	.004	1.5
79	MP4C	X	12.861	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
80	MP4C	Z	-7.425	4.5
81	MP4C	Mx	.004	4.5
82	MP2A	X	8.78	2
83	MP2A	Z	-5.069	2
84	MP2A	Mx	.005	2
85	MP2B	X	11.482	2
86	MP2B	Z	-6.629	2
87	MP2B	Mx	-.003	2
88	MP2C	X	11.482	2
89	MP2C	Z	-6.629	2
90	MP2C	Mx	-.003	2
91	MP1A	X	7.413	2
92	MP1A	Z	-4.28	2
93	MP1A	Mx	.004	2
94	MP1B	X	11.14	2
95	MP1B	Z	-6.432	2
96	MP1B	Mx	-.003	2
97	MP1C	X	11.14	2
98	MP1C	Z	-6.432	2
99	MP1C	Mx	-.003	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	3.857	5.5
2	MP3A	Z	0	5.5
3	MP3A	Mx	-.002	5.5
4	MP3B	X	7.642	5.5
5	MP3B	Z	0	5.5
6	MP3B	Mx	0	5.5
7	MP3C	X	3.857	5.5
8	MP3C	Z	0	5.5
9	MP3C	Mx	.002	5.5
10	MP3A	X	9.625	1
11	MP3A	Z	0	1
12	MP3A	Mx	-.004	1
13	MP3A	X	9.625	3
14	MP3A	Z	0	3
15	MP3A	Mx	-.004	3
16	MP3B	X	16.509	1
17	MP3B	Z	0	1
18	MP3B	Mx	0	1
19	MP3B	X	16.509	3
20	MP3B	Z	0	3
21	MP3B	Mx	0	3
22	MP3C	X	9.625	1
23	MP3C	Z	0	1
24	MP3C	Mx	.004	1
25	MP3C	X	9.625	3
26	MP3C	Z	0	3
27	MP3C	Mx	.004	3
28	MP1A	X	21.541	.75
29	MP1A	Z	0	.75
30	MP1A	Mx	-.003	.75
31	MP1A	X	21.541	3.75
32	MP1A	Z	0	3.75
33	MP1A	Mx	-.003	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP1B	X	27.713	.75
35	MP1B	Z	0	.75
36	MP1B	Mx	-.016	.75
37	MP1B	X	27.713	3.75
38	MP1B	Z	0	3.75
39	MP1B	Mx	-.016	3.75
40	MP1C	X	21.541	.75
41	MP1C	Z	0	.75
42	MP1C	Mx	.016	.75
43	MP1C	X	21.541	3.75
44	MP1C	Z	0	3.75
45	MP1C	Mx	.016	3.75
46	MP1A	X	21.541	.75
47	MP1A	Z	0	.75
48	MP1A	Mx	-.016	.75
49	MP1A	X	21.541	3.75
50	MP1A	Z	0	3.75
51	MP1A	Mx	-.016	3.75
52	MP1B	X	27.713	.75
53	MP1B	Z	0	.75
54	MP1B	Mx	.016	.75
55	MP1B	X	27.713	3.75
56	MP1B	Z	0	3.75
57	MP1B	Mx	.016	3.75
58	MP1C	X	21.541	.75
59	MP1C	Z	0	.75
60	MP1C	Mx	.003	.75
61	MP1C	X	21.541	3.75
62	MP1C	Z	0	3.75
63	MP1C	Mx	.003	3.75
64	MP4A	X	11.355	1.5
65	MP4A	Z	0	1.5
66	MP4A	Mx	-.005	1.5
67	MP4A	X	11.355	4.5
68	MP4A	Z	0	4.5
69	MP4A	Mx	-.005	4.5
70	MP4B	X	16.598	1.5
71	MP4B	Z	0	1.5
72	MP4B	Mx	0	1.5
73	MP4B	X	16.598	4.5
74	MP4B	Z	0	4.5
75	MP4B	Mx	0	4.5
76	MP4C	X	11.355	1.5
77	MP4C	Z	0	1.5
78	MP4C	Mx	.005	1.5
79	MP4C	X	11.355	4.5
80	MP4C	Z	0	4.5
81	MP4C	Mx	.005	4.5
82	MP2A	X	11.178	2
83	MP2A	Z	0	2
84	MP2A	Mx	.005	2
85	MP2B	X	14.299	2
86	MP2B	Z	0	2
87	MP2B	Mx	0	2
88	MP2C	X	11.178	2
89	MP2C	Z	0	2
90	MP2C	Mx	-.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
91	MP1A	X	9.907	2
92	MP1A	Z	0	2
93	MP1A	Mx	.004	2
94	MP1B	X	14.299	2
95	MP1B	Z	0	2
96	MP1B	Mx	0	2
97	MP1C	X	9.993	2
98	MP1C	Z	0	2
99	MP1C	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP3A	X	5.526	5.5
2	MP3A	Z	3.19	5.5
3	MP3A	Mx	-.002	5.5
4	MP3B	X	5.526	5.5
5	MP3B	Z	3.19	5.5
6	MP3B	Mx	-.002	5.5
7	MP3C	X	2.248	5.5
8	MP3C	Z	1.298	5.5
9	MP3C	Mx	.001	5.5
10	MP3A	X	12.31	1
11	MP3A	Z	7.107	1
12	MP3A	Mx	-.004	1
13	MP3A	X	12.31	3
14	MP3A	Z	7.107	3
15	MP3A	Mx	-.004	3
16	MP3B	X	12.31	1
17	MP3B	Z	7.107	1
18	MP3B	Mx	-.004	1
19	MP3B	X	12.31	3
20	MP3B	Z	7.107	3
21	MP3B	Mx	-.004	3
22	MP3C	X	6.348	1
23	MP3C	Z	3.665	1
24	MP3C	Mx	.004	1
25	MP3C	X	6.348	3
26	MP3C	Z	3.665	3
27	MP3C	Mx	.004	3
28	MP1A	X	22.219	.75
29	MP1A	Z	12.828	.75
30	MP1A	Mx	.007	.75
31	MP1A	X	22.219	3.75
32	MP1A	Z	12.828	3.75
33	MP1A	Mx	.007	3.75
34	MP1B	X	22.219	.75
35	MP1B	Z	12.828	.75
36	MP1B	Mx	-.019	.75
37	MP1B	X	22.219	3.75
38	MP1B	Z	12.828	3.75
39	MP1B	Mx	-.019	3.75
40	MP1C	X	16.874	.75
41	MP1C	Z	9.742	.75
42	MP1C	Mx	.01	.75
43	MP1C	X	16.874	3.75
44	MP1C	Z	9.742	3.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
45	MP1C	Mx	.01	3.75
46	MP1A	X	22.219	.75
47	MP1A	Z	12.828	.75
48	MP1A	Mx	-.019	.75
49	MP1A	X	22.219	3.75
50	MP1A	Z	12.828	3.75
51	MP1A	Mx	-.019	3.75
52	MP1B	X	22.219	.75
53	MP1B	Z	12.828	.75
54	MP1B	Mx	.007	.75
55	MP1B	X	22.219	3.75
56	MP1B	Z	12.828	3.75
57	MP1B	Mx	.007	3.75
58	MP1C	X	16.874	.75
59	MP1C	Z	9.742	.75
60	MP1C	Mx	.01	.75
61	MP1C	X	16.874	3.75
62	MP1C	Z	9.742	3.75
63	MP1C	Mx	.01	3.75
64	MP4A	X	12.861	1.5
65	MP4A	Z	7.425	1.5
66	MP4A	Mx	-.004	1.5
67	MP4A	X	12.861	4.5
68	MP4A	Z	7.425	4.5
69	MP4A	Mx	-.004	4.5
70	MP4B	X	12.861	1.5
71	MP4B	Z	7.425	1.5
72	MP4B	Mx	-.004	1.5
73	MP4B	X	12.861	4.5
74	MP4B	Z	7.425	4.5
75	MP4B	Mx	-.004	4.5
76	MP4C	X	8.32	1.5
77	MP4C	Z	4.804	1.5
78	MP4C	Mx	.005	1.5
79	MP4C	X	8.32	4.5
80	MP4C	Z	4.804	4.5
81	MP4C	Mx	.005	4.5
82	MP2A	X	11.482	2
83	MP2A	Z	6.629	2
84	MP2A	Mx	.003	2
85	MP2B	X	11.482	2
86	MP2B	Z	6.629	2
87	MP2B	Mx	.003	2
88	MP2C	X	8.78	2
89	MP2C	Z	5.069	2
90	MP2C	Mx	-.005	2
91	MP1A	X	11.064	2
92	MP1A	Z	6.388	2
93	MP1A	Mx	.003	2
94	MP1B	X	11.14	2
95	MP1B	Z	6.432	2
96	MP1B	Mx	.003	2
97	MP1C	X	7.411	2
98	MP1C	Z	4.279	2
99	MP1C	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	3.821	5.5
2	MP3A	Z	6.618	5.5
3	MP3A	Mx	0	5.5
4	MP3B	X	1.929	5.5
5	MP3B	Z	3.34	5.5
6	MP3B	Mx	-.002	5.5
7	MP3C	X	1.929	5.5
8	MP3C	Z	3.34	5.5
9	MP3C	Mx	.002	5.5
10	MP3A	X	8.255	1
11	MP3A	Z	14.298	1
12	MP3A	Mx	0	1
13	MP3A	X	8.255	3
14	MP3A	Z	14.298	3
15	MP3A	Mx	0	3
16	MP3B	X	4.813	1
17	MP3B	Z	8.336	1
18	MP3B	Mx	-.004	1
19	MP3B	X	4.813	3
20	MP3B	Z	8.336	3
21	MP3B	Mx	-.004	3
22	MP3C	X	4.813	1
23	MP3C	Z	8.336	1
24	MP3C	Mx	.004	1
25	MP3C	X	4.813	3
26	MP3C	Z	8.336	3
27	MP3C	Mx	.004	3
28	MP1A	X	13.857	.75
29	MP1A	Z	24	.75
30	MP1A	Mx	.016	.75
31	MP1A	X	13.857	3.75
32	MP1A	Z	24	3.75
33	MP1A	Mx	.016	3.75
34	MP1B	X	10.771	.75
35	MP1B	Z	18.655	.75
36	MP1B	Mx	-.016	.75
37	MP1B	X	10.771	3.75
38	MP1B	Z	18.655	3.75
39	MP1B	Mx	-.016	3.75
40	MP1C	X	10.771	.75
41	MP1C	Z	18.655	.75
42	MP1C	Mx	.003	.75
43	MP1C	X	10.771	3.75
44	MP1C	Z	18.655	3.75
45	MP1C	Mx	.003	3.75
46	MP1A	X	13.857	.75
47	MP1A	Z	24	.75
48	MP1A	Mx	-.016	.75
49	MP1A	X	13.857	3.75
50	MP1A	Z	24	3.75
51	MP1A	Mx	-.016	3.75
52	MP1B	X	10.771	.75
53	MP1B	Z	18.655	.75
54	MP1B	Mx	-.003	.75
55	MP1B	X	10.771	3.75
56	MP1B	Z	18.655	3.75
57	MP1B	Mx	-.003	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1C	X	10.771	.75
59	MP1C	Z	18.655	.75
60	MP1C	Mx	.016	.75
61	MP1C	X	10.771	3.75
62	MP1C	Z	18.655	3.75
63	MP1C	Mx	.016	3.75
64	MP4A	X	8.299	1.5
65	MP4A	Z	14.374	1.5
66	MP4A	Mx	0	1.5
67	MP4A	X	8.299	4.5
68	MP4A	Z	14.374	4.5
69	MP4A	Mx	0	4.5
70	MP4B	X	5.678	1.5
71	MP4B	Z	9.834	1.5
72	MP4B	Mx	-.005	1.5
73	MP4B	X	5.678	4.5
74	MP4B	Z	9.834	4.5
75	MP4B	Mx	-.005	4.5
76	MP4C	X	5.678	1.5
77	MP4C	Z	9.834	1.5
78	MP4C	Mx	.005	1.5
79	MP4C	X	5.678	4.5
80	MP4C	Z	9.834	4.5
81	MP4C	Mx	.005	4.5
82	MP2A	X	7.149	2
83	MP2A	Z	12.383	2
84	MP2A	Mx	0	2
85	MP2B	X	5.589	2
86	MP2B	Z	9.681	2
87	MP2B	Mx	.005	2
88	MP2C	X	5.589	2
89	MP2C	Z	9.681	2
90	MP2C	Mx	-.005	2
91	MP1A	X	7.148	2
92	MP1A	Z	12.381	2
93	MP1A	Mx	.000125	2
94	MP1B	X	4.996	2
95	MP1B	Z	8.654	2
96	MP1B	Mx	.004	2
97	MP1C	X	4.996	2
98	MP1C	Z	8.654	2
99	MP1C	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	5.5
2	MP3A	Z	6.38	5.5
3	MP3A	Mx	.002	5.5
4	MP3B	X	0	5.5
5	MP3B	Z	2.595	5.5
6	MP3B	Mx	-.001	5.5
7	MP3C	X	0	5.5
8	MP3C	Z	6.38	5.5
9	MP3C	Mx	.002	5.5
10	MP3A	X	0	1
11	MP3A	Z	14.215	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP3A	Mx	.004	1
13	MP3A	X	0	3
14	MP3A	Z	14.215	3
15	MP3A	Mx	.004	3
16	MP3B	X	0	1
17	MP3B	Z	7.33	1
18	MP3B	Mx	-.004	1
19	MP3B	X	0	3
20	MP3B	Z	7.33	3
21	MP3B	Mx	-.004	3
22	MP3C	X	0	1
23	MP3C	Z	14.215	1
24	MP3C	Mx	.004	1
25	MP3C	X	0	3
26	MP3C	Z	14.215	3
27	MP3C	Mx	.004	3
28	MP1A	X	0	.75
29	MP1A	Z	25.656	.75
30	MP1A	Mx	.019	.75
31	MP1A	X	0	3.75
32	MP1A	Z	25.656	3.75
33	MP1A	Mx	.019	3.75
34	MP1B	X	0	.75
35	MP1B	Z	19.484	.75
36	MP1B	Mx	-.01	.75
37	MP1B	X	0	3.75
38	MP1B	Z	19.484	3.75
39	MP1B	Mx	-.01	3.75
40	MP1C	X	0	.75
41	MP1C	Z	25.656	.75
42	MP1C	Mx	-.007	.75
43	MP1C	X	0	3.75
44	MP1C	Z	25.656	3.75
45	MP1C	Mx	-.007	3.75
46	MP1A	X	0	.75
47	MP1A	Z	25.656	.75
48	MP1A	Mx	-.007	.75
49	MP1A	X	0	3.75
50	MP1A	Z	25.656	3.75
51	MP1A	Mx	-.007	3.75
52	MP1B	X	0	.75
53	MP1B	Z	19.484	.75
54	MP1B	Mx	-.01	.75
55	MP1B	X	0	3.75
56	MP1B	Z	19.484	3.75
57	MP1B	Mx	-.01	3.75
58	MP1C	X	0	.75
59	MP1C	Z	25.656	.75
60	MP1C	Mx	.019	.75
61	MP1C	X	0	3.75
62	MP1C	Z	25.656	3.75
63	MP1C	Mx	.019	3.75
64	MP4A	X	0	1.5
65	MP4A	Z	14.85	1.5
66	MP4A	Mx	.004	1.5
67	MP4A	X	0	4.5
68	MP4A	Z	14.85	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
69	MP4A	Mx	.004	4.5
70	MP4B	X	0	1.5
71	MP4B	Z	9.608	1.5
72	MP4B	Mx	-.005	1.5
73	MP4B	X	0	4.5
74	MP4B	Z	9.608	4.5
75	MP4B	Mx	-.005	4.5
76	MP4C	X	0	1.5
77	MP4C	Z	14.85	1.5
78	MP4C	Mx	.004	1.5
79	MP4C	X	0	4.5
80	MP4C	Z	14.85	4.5
81	MP4C	Mx	.004	4.5
82	MP2A	X	0	2
83	MP2A	Z	13.258	2
84	MP2A	Mx	-.003	2
85	MP2B	X	0	2
86	MP2B	Z	10.138	2
87	MP2B	Mx	.005	2
88	MP2C	X	0	2
89	MP2C	Z	13.258	2
90	MP2C	Mx	-.003	2
91	MP1A	X	0	2
92	MP1A	Z	12.949	2
93	MP1A	Mx	-.003	2
94	MP1B	X	0	2
95	MP1B	Z	8.558	2
96	MP1B	Mx	.004	2
97	MP1C	X	0	2
98	MP1C	Z	12.863	2
99	MP1C	Mx	-.003	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-1.929	5.5
2	MP3A	Z	3.34	5.5
3	MP3A	Mx	.002	5.5
4	MP3B	X	-1.929	5.5
5	MP3B	Z	3.34	5.5
6	MP3B	Mx	-.002	5.5
7	MP3C	X	-3.821	5.5
8	MP3C	Z	6.618	5.5
9	MP3C	Mx	0	5.5
10	MP3A	X	-4.813	1
11	MP3A	Z	8.336	1
12	MP3A	Mx	.004	1
13	MP3A	X	-4.813	3
14	MP3A	Z	8.336	3
15	MP3A	Mx	.004	3
16	MP3B	X	-4.813	1
17	MP3B	Z	8.336	1
18	MP3B	Mx	-.004	1
19	MP3B	X	-4.813	3
20	MP3B	Z	8.336	3
21	MP3B	Mx	-.004	3
22	MP3C	X	-8.255	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
23	MP3C	Z	14.298	1
24	MP3C	Mx	0	1
25	MP3C	X	-8.255	3
26	MP3C	Z	14.298	3
27	MP3C	Mx	0	3
28	MP1A	X	-10.771	.75
29	MP1A	Z	18.655	.75
30	MP1A	Mx	.016	.75
31	MP1A	X	-10.771	3.75
32	MP1A	Z	18.655	3.75
33	MP1A	Mx	.016	3.75
34	MP1B	X	-10.771	.75
35	MP1B	Z	18.655	.75
36	MP1B	Mx	-.003	.75
37	MP1B	X	-10.771	3.75
38	MP1B	Z	18.655	3.75
39	MP1B	Mx	-.003	3.75
40	MP1C	X	-13.857	.75
41	MP1C	Z	24	.75
42	MP1C	Mx	-.016	.75
43	MP1C	X	-13.857	3.75
44	MP1C	Z	24	3.75
45	MP1C	Mx	-.016	3.75
46	MP1A	X	-10.771	.75
47	MP1A	Z	18.655	.75
48	MP1A	Mx	.003	.75
49	MP1A	X	-10.771	3.75
50	MP1A	Z	18.655	3.75
51	MP1A	Mx	.003	3.75
52	MP1B	X	-10.771	.75
53	MP1B	Z	18.655	.75
54	MP1B	Mx	-.016	.75
55	MP1B	X	-10.771	3.75
56	MP1B	Z	18.655	3.75
57	MP1B	Mx	-.016	3.75
58	MP1C	X	-13.857	.75
59	MP1C	Z	24	.75
60	MP1C	Mx	.016	.75
61	MP1C	X	-13.857	3.75
62	MP1C	Z	24	3.75
63	MP1C	Mx	.016	3.75
64	MP4A	X	-5.678	1.5
65	MP4A	Z	9.834	1.5
66	MP4A	Mx	.005	1.5
67	MP4A	X	-5.678	4.5
68	MP4A	Z	9.834	4.5
69	MP4A	Mx	.005	4.5
70	MP4B	X	-5.678	1.5
71	MP4B	Z	9.834	1.5
72	MP4B	Mx	-.005	1.5
73	MP4B	X	-5.678	4.5
74	MP4B	Z	9.834	4.5
75	MP4B	Mx	-.005	4.5
76	MP4C	X	-8.299	1.5
77	MP4C	Z	14.374	1.5
78	MP4C	Mx	0	1.5
79	MP4C	X	-8.299	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
80	MP4C	Z	14.374	4.5
81	MP4C	Mx	0	4.5
82	MP2A	X	-5.589	2
83	MP2A	Z	9.681	2
84	MP2A	Mx	-.005	2
85	MP2B	X	-5.589	2
86	MP2B	Z	9.681	2
87	MP2B	Mx	.005	2
88	MP2C	X	-7.149	2
89	MP2C	Z	12.383	2
90	MP2C	Mx	0	2
91	MP1A	X	-5.04	2
92	MP1A	Z	8.73	2
93	MP1A	Mx	-.004	2
94	MP1B	X	-4.996	2
95	MP1B	Z	8.654	2
96	MP1B	Mx	.004	2
97	MP1C	X	-7.149	2
98	MP1C	Z	12.383	2
99	MP1C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-2.248	5.5
2	MP3A	Z	1.298	5.5
3	MP3A	Mx	.001	5.5
4	MP3B	X	-5.526	5.5
5	MP3B	Z	3.19	5.5
6	MP3B	Mx	-.002	5.5
7	MP3C	X	-5.526	5.5
8	MP3C	Z	3.19	5.5
9	MP3C	Mx	-.002	5.5
10	MP3A	X	-6.348	1
11	MP3A	Z	3.665	1
12	MP3A	Mx	.004	1
13	MP3A	X	-6.348	3
14	MP3A	Z	3.665	3
15	MP3A	Mx	.004	3
16	MP3B	X	-12.31	1
17	MP3B	Z	7.107	1
18	MP3B	Mx	-.004	1
19	MP3B	X	-12.31	3
20	MP3B	Z	7.107	3
21	MP3B	Mx	-.004	3
22	MP3C	X	-12.31	1
23	MP3C	Z	7.107	1
24	MP3C	Mx	-.004	1
25	MP3C	X	-12.31	3
26	MP3C	Z	7.107	3
27	MP3C	Mx	-.004	3
28	MP1A	X	-16.874	.75
29	MP1A	Z	9.742	.75
30	MP1A	Mx	.01	.75
31	MP1A	X	-16.874	3.75
32	MP1A	Z	9.742	3.75
33	MP1A	Mx	.01	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP1B	X	-22.219	.75
35	MP1B	Z	12.828	.75
36	MP1B	Mx	.007	.75
37	MP1B	X	-22.219	3.75
38	MP1B	Z	12.828	3.75
39	MP1B	Mx	.007	3.75
40	MP1C	X	-22.219	.75
41	MP1C	Z	12.828	.75
42	MP1C	Mx	-.019	.75
43	MP1C	X	-22.219	3.75
44	MP1C	Z	12.828	3.75
45	MP1C	Mx	-.019	3.75
46	MP1A	X	-16.874	.75
47	MP1A	Z	9.742	.75
48	MP1A	Mx	.01	.75
49	MP1A	X	-16.874	3.75
50	MP1A	Z	9.742	3.75
51	MP1A	Mx	.01	3.75
52	MP1B	X	-22.219	.75
53	MP1B	Z	12.828	.75
54	MP1B	Mx	-.019	.75
55	MP1B	X	-22.219	3.75
56	MP1B	Z	12.828	3.75
57	MP1B	Mx	-.019	3.75
58	MP1C	X	-22.219	.75
59	MP1C	Z	12.828	.75
60	MP1C	Mx	.007	.75
61	MP1C	X	-22.219	3.75
62	MP1C	Z	12.828	3.75
63	MP1C	Mx	.007	3.75
64	MP4A	X	-8.32	1.5
65	MP4A	Z	4.804	1.5
66	MP4A	Mx	.005	1.5
67	MP4A	X	-8.32	4.5
68	MP4A	Z	4.804	4.5
69	MP4A	Mx	.005	4.5
70	MP4B	X	-12.861	1.5
71	MP4B	Z	7.425	1.5
72	MP4B	Mx	-.004	1.5
73	MP4B	X	-12.861	4.5
74	MP4B	Z	7.425	4.5
75	MP4B	Mx	-.004	4.5
76	MP4C	X	-12.861	1.5
77	MP4C	Z	7.425	1.5
78	MP4C	Mx	-.004	1.5
79	MP4C	X	-12.861	4.5
80	MP4C	Z	7.425	4.5
81	MP4C	Mx	-.004	4.5
82	MP2A	X	-8.78	2
83	MP2A	Z	5.069	2
84	MP2A	Mx	-.005	2
85	MP2B	X	-11.482	2
86	MP2B	Z	6.629	2
87	MP2B	Mx	.003	2
88	MP2C	X	-11.482	2
89	MP2C	Z	6.629	2
90	MP2C	Mx	.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
91	MP1A	X	-7.413	2
92	MP1A	Z	4.28	2
93	MP1A	Mx	-.004	2
94	MP1B	X	-11.14	2
95	MP1B	Z	6.432	2
96	MP1B	Mx	.003	2
97	MP1C	X	-11.14	2
98	MP1C	Z	6.432	2
99	MP1C	Mx	.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP3A	X	-3.857	5.5
2	MP3A	Z	0	5.5
3	MP3A	Mx	.002	5.5
4	MP3B	X	-7.642	5.5
5	MP3B	Z	0	5.5
6	MP3B	Mx	0	5.5
7	MP3C	X	-3.857	5.5
8	MP3C	Z	0	5.5
9	MP3C	Mx	-.002	5.5
10	MP3A	X	-9.625	1
11	MP3A	Z	0	1
12	MP3A	Mx	.004	1
13	MP3A	X	-9.625	3
14	MP3A	Z	0	3
15	MP3A	Mx	.004	3
16	MP3B	X	-16.509	1
17	MP3B	Z	0	1
18	MP3B	Mx	0	1
19	MP3B	X	-16.509	3
20	MP3B	Z	0	3
21	MP3B	Mx	0	3
22	MP3C	X	-9.625	1
23	MP3C	Z	0	1
24	MP3C	Mx	-.004	1
25	MP3C	X	-9.625	3
26	MP3C	Z	0	3
27	MP3C	Mx	-.004	3
28	MP1A	X	-21.541	.75
29	MP1A	Z	0	.75
30	MP1A	Mx	.003	.75
31	MP1A	X	-21.541	3.75
32	MP1A	Z	0	3.75
33	MP1A	Mx	.003	3.75
34	MP1B	X	-27.713	.75
35	MP1B	Z	0	.75
36	MP1B	Mx	.016	.75
37	MP1B	X	-27.713	3.75
38	MP1B	Z	0	3.75
39	MP1B	Mx	.016	3.75
40	MP1C	X	-21.541	.75
41	MP1C	Z	0	.75
42	MP1C	Mx	-.016	.75
43	MP1C	X	-21.541	3.75
44	MP1C	Z	0	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP1C	Mx	-.016	3.75
46	MP1A	X	-21.541	.75
47	MP1A	Z	0	.75
48	MP1A	Mx	.016	.75
49	MP1A	X	-21.541	3.75
50	MP1A	Z	0	3.75
51	MP1A	Mx	.016	3.75
52	MP1B	X	-27.713	.75
53	MP1B	Z	0	.75
54	MP1B	Mx	-.016	.75
55	MP1B	X	-27.713	3.75
56	MP1B	Z	0	3.75
57	MP1B	Mx	-.016	3.75
58	MP1C	X	-21.541	.75
59	MP1C	Z	0	.75
60	MP1C	Mx	-.003	.75
61	MP1C	X	-21.541	3.75
62	MP1C	Z	0	3.75
63	MP1C	Mx	-.003	3.75
64	MP4A	X	-11.355	1.5
65	MP4A	Z	0	1.5
66	MP4A	Mx	.005	1.5
67	MP4A	X	-11.355	4.5
68	MP4A	Z	0	4.5
69	MP4A	Mx	.005	4.5
70	MP4B	X	-16.598	1.5
71	MP4B	Z	0	1.5
72	MP4B	Mx	0	1.5
73	MP4B	X	-16.598	4.5
74	MP4B	Z	0	4.5
75	MP4B	Mx	0	4.5
76	MP4C	X	-11.355	1.5
77	MP4C	Z	0	1.5
78	MP4C	Mx	-.005	1.5
79	MP4C	X	-11.355	4.5
80	MP4C	Z	0	4.5
81	MP4C	Mx	-.005	4.5
82	MP2A	X	-11.178	2
83	MP2A	Z	0	2
84	MP2A	Mx	-.005	2
85	MP2B	X	-14.299	2
86	MP2B	Z	0	2
87	MP2B	Mx	0	2
88	MP2C	X	-11.178	2
89	MP2C	Z	0	2
90	MP2C	Mx	.005	2
91	MP1A	X	-9.907	2
92	MP1A	Z	0	2
93	MP1A	Mx	-.004	2
94	MP1B	X	-14.299	2
95	MP1B	Z	0	2
96	MP1B	Mx	0	2
97	MP1C	X	-9.993	2
98	MP1C	Z	0	2
99	MP1C	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-5.526	5.5
2	MP3A	Z	-3.19	5.5
3	MP3A	Mx	.002	5.5
4	MP3B	X	-5.526	5.5
5	MP3B	Z	-3.19	5.5
6	MP3B	Mx	.002	5.5
7	MP3C	X	-2.248	5.5
8	MP3C	Z	-1.298	5.5
9	MP3C	Mx	-.001	5.5
10	MP3A	X	-12.31	1
11	MP3A	Z	-7.107	1
12	MP3A	Mx	.004	1
13	MP3A	X	-12.31	3
14	MP3A	Z	-7.107	3
15	MP3A	Mx	.004	3
16	MP3B	X	-12.31	1
17	MP3B	Z	-7.107	1
18	MP3B	Mx	.004	1
19	MP3B	X	-12.31	3
20	MP3B	Z	-7.107	3
21	MP3B	Mx	.004	3
22	MP3C	X	-6.348	1
23	MP3C	Z	-3.665	1
24	MP3C	Mx	-.004	1
25	MP3C	X	-6.348	3
26	MP3C	Z	-3.665	3
27	MP3C	Mx	-.004	3
28	MP1A	X	-22.219	.75
29	MP1A	Z	-12.828	.75
30	MP1A	Mx	-.007	.75
31	MP1A	X	-22.219	3.75
32	MP1A	Z	-12.828	3.75
33	MP1A	Mx	-.007	3.75
34	MP1B	X	-22.219	.75
35	MP1B	Z	-12.828	.75
36	MP1B	Mx	.019	.75
37	MP1B	X	-22.219	3.75
38	MP1B	Z	-12.828	3.75
39	MP1B	Mx	.019	3.75
40	MP1C	X	-16.874	.75
41	MP1C	Z	-9.742	.75
42	MP1C	Mx	-.01	.75
43	MP1C	X	-16.874	3.75
44	MP1C	Z	-9.742	3.75
45	MP1C	Mx	-.01	3.75
46	MP1A	X	-22.219	.75
47	MP1A	Z	-12.828	.75
48	MP1A	Mx	.019	.75
49	MP1A	X	-22.219	3.75
50	MP1A	Z	-12.828	3.75
51	MP1A	Mx	.019	3.75
52	MP1B	X	-22.219	.75
53	MP1B	Z	-12.828	.75
54	MP1B	Mx	-.007	.75
55	MP1B	X	-22.219	3.75
56	MP1B	Z	-12.828	3.75
57	MP1B	Mx	-.007	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1C	X	-16.874	.75
59	MP1C	Z	-9.742	.75
60	MP1C	Mx	-.01	.75
61	MP1C	X	-16.874	3.75
62	MP1C	Z	-9.742	3.75
63	MP1C	Mx	-.01	3.75
64	MP4A	X	-12.861	1.5
65	MP4A	Z	-7.425	1.5
66	MP4A	Mx	.004	1.5
67	MP4A	X	-12.861	4.5
68	MP4A	Z	-7.425	4.5
69	MP4A	Mx	.004	4.5
70	MP4B	X	-12.861	1.5
71	MP4B	Z	-7.425	1.5
72	MP4B	Mx	.004	1.5
73	MP4B	X	-12.861	4.5
74	MP4B	Z	-7.425	4.5
75	MP4B	Mx	.004	4.5
76	MP4C	X	-8.32	1.5
77	MP4C	Z	-4.804	1.5
78	MP4C	Mx	-.005	1.5
79	MP4C	X	-8.32	4.5
80	MP4C	Z	-4.804	4.5
81	MP4C	Mx	-.005	4.5
82	MP2A	X	-11.482	2
83	MP2A	Z	-6.629	2
84	MP2A	Mx	-.003	2
85	MP2B	X	-11.482	2
86	MP2B	Z	-6.629	2
87	MP2B	Mx	-.003	2
88	MP2C	X	-8.78	2
89	MP2C	Z	-5.069	2
90	MP2C	Mx	.005	2
91	MP1A	X	-11.064	2
92	MP1A	Z	-6.388	2
93	MP1A	Mx	-.003	2
94	MP1B	X	-11.14	2
95	MP1B	Z	-6.432	2
96	MP1B	Mx	-.003	2
97	MP1C	X	-7.411	2
98	MP1C	Z	-4.279	2
99	MP1C	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.821	5.5
2	MP3A	Z	-6.618	5.5
3	MP3A	Mx	0	5.5
4	MP3B	X	-1.929	5.5
5	MP3B	Z	-3.34	5.5
6	MP3B	Mx	.002	5.5
7	MP3C	X	-1.929	5.5
8	MP3C	Z	-3.34	5.5
9	MP3C	Mx	-.002	5.5
10	MP3A	X	-8.255	1
11	MP3A	Z	-14.298	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP3A	Mx	0	1
13	MP3A	X	-8.255	3
14	MP3A	Z	-14.298	3
15	MP3A	Mx	0	3
16	MP3B	X	-4.813	1
17	MP3B	Z	-8.336	1
18	MP3B	Mx	.004	1
19	MP3B	X	-4.813	3
20	MP3B	Z	-8.336	3
21	MP3B	Mx	.004	3
22	MP3C	X	-4.813	1
23	MP3C	Z	-8.336	1
24	MP3C	Mx	-.004	1
25	MP3C	X	-4.813	3
26	MP3C	Z	-8.336	3
27	MP3C	Mx	-.004	3
28	MP1A	X	-13.857	.75
29	MP1A	Z	-24	.75
30	MP1A	Mx	-.016	.75
31	MP1A	X	-13.857	3.75
32	MP1A	Z	-24	3.75
33	MP1A	Mx	-.016	3.75
34	MP1B	X	-10.771	.75
35	MP1B	Z	-18.655	.75
36	MP1B	Mx	.016	.75
37	MP1B	X	-10.771	3.75
38	MP1B	Z	-18.655	3.75
39	MP1B	Mx	.016	3.75
40	MP1C	X	-10.771	.75
41	MP1C	Z	-18.655	.75
42	MP1C	Mx	-.003	.75
43	MP1C	X	-10.771	3.75
44	MP1C	Z	-18.655	3.75
45	MP1C	Mx	-.003	3.75
46	MP1A	X	-13.857	.75
47	MP1A	Z	-24	.75
48	MP1A	Mx	.016	.75
49	MP1A	X	-13.857	3.75
50	MP1A	Z	-24	3.75
51	MP1A	Mx	.016	3.75
52	MP1B	X	-10.771	.75
53	MP1B	Z	-18.655	.75
54	MP1B	Mx	.003	.75
55	MP1B	X	-10.771	3.75
56	MP1B	Z	-18.655	3.75
57	MP1B	Mx	.003	3.75
58	MP1C	X	-10.771	.75
59	MP1C	Z	-18.655	.75
60	MP1C	Mx	-.016	.75
61	MP1C	X	-10.771	3.75
62	MP1C	Z	-18.655	3.75
63	MP1C	Mx	-.016	3.75
64	MP4A	X	-8.299	1.5
65	MP4A	Z	-14.374	1.5
66	MP4A	Mx	0	1.5
67	MP4A	X	-8.299	4.5
68	MP4A	Z	-14.374	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
69	MP4A	Mx	0	4.5
70	MP4B	X	-5.678	1.5
71	MP4B	Z	-9.834	1.5
72	MP4B	Mx	.005	1.5
73	MP4B	X	-5.678	4.5
74	MP4B	Z	-9.834	4.5
75	MP4B	Mx	.005	4.5
76	MP4C	X	-5.678	1.5
77	MP4C	Z	-9.834	1.5
78	MP4C	Mx	-.005	1.5
79	MP4C	X	-5.678	4.5
80	MP4C	Z	-9.834	4.5
81	MP4C	Mx	-.005	4.5
82	MP2A	X	-7.149	2
83	MP2A	Z	-12.383	2
84	MP2A	Mx	0	2
85	MP2B	X	-5.589	2
86	MP2B	Z	-9.681	2
87	MP2B	Mx	-.005	2
88	MP2C	X	-5.589	2
89	MP2C	Z	-9.681	2
90	MP2C	Mx	.005	2
91	MP1A	X	-7.148	2
92	MP1A	Z	-12.381	2
93	MP1A	Mx	-.000125	2
94	MP1B	X	-4.996	2
95	MP1B	Z	-8.654	2
96	MP1B	Mx	-.004	2
97	MP1C	X	-4.996	2
98	MP1C	Z	-8.654	2
99	MP1C	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	5.5
2	MP3A	Z	-1.502	5.5
3	MP3A	Mx	-.000376	5.5
4	MP3B	X	0	5.5
5	MP3B	Z	-.369	5.5
6	MP3B	Mx	.000184	5.5
7	MP3C	X	0	5.5
8	MP3C	Z	-1.502	5.5
9	MP3C	Mx	-.000376	5.5
10	MP3A	X	0	1
11	MP3A	Z	-4.209	1
12	MP3A	Mx	-.001	1
13	MP3A	X	0	3
14	MP3A	Z	-4.209	3
15	MP3A	Mx	-.001	3
16	MP3B	X	0	1
17	MP3B	Z	-1.944	1
18	MP3B	Mx	.000972	1
19	MP3B	X	0	3
20	MP3B	Z	-1.944	3
21	MP3B	Mx	.000972	3
22	MP3C	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
23	MP3C	Z	-4.209	1
24	MP3C	Mx	-.001	1
25	MP3C	X	0	3
26	MP3C	Z	-4.209	3
27	MP3C	Mx	-.001	3
28	MP1A	X	0	.75
29	MP1A	Z	-7.889	.75
30	MP1A	Mx	-.006	.75
31	MP1A	X	0	3.75
32	MP1A	Z	-7.889	3.75
33	MP1A	Mx	-.006	3.75
34	MP1B	X	0	.75
35	MP1B	Z	-5.7	.75
36	MP1B	Mx	.003	.75
37	MP1B	X	0	3.75
38	MP1B	Z	-5.7	3.75
39	MP1B	Mx	.003	3.75
40	MP1C	X	0	.75
41	MP1C	Z	-7.889	.75
42	MP1C	Mx	.002	.75
43	MP1C	X	0	3.75
44	MP1C	Z	-7.889	3.75
45	MP1C	Mx	.002	3.75
46	MP1A	X	0	.75
47	MP1A	Z	-7.889	.75
48	MP1A	Mx	.002	.75
49	MP1A	X	0	3.75
50	MP1A	Z	-7.889	3.75
51	MP1A	Mx	.002	3.75
52	MP1B	X	0	.75
53	MP1B	Z	-5.7	.75
54	MP1B	Mx	.003	.75
55	MP1B	X	0	3.75
56	MP1B	Z	-5.7	3.75
57	MP1B	Mx	.003	3.75
58	MP1C	X	0	.75
59	MP1C	Z	-7.889	.75
60	MP1C	Mx	-.006	.75
61	MP1C	X	0	3.75
62	MP1C	Z	-7.889	3.75
63	MP1C	Mx	-.006	3.75
64	MP4A	X	0	1.5
65	MP4A	Z	-4.383	1.5
66	MP4A	Mx	-.001	1.5
67	MP4A	X	0	4.5
68	MP4A	Z	-4.383	4.5
69	MP4A	Mx	-.001	4.5
70	MP4B	X	0	1.5
71	MP4B	Z	-2.577	1.5
72	MP4B	Mx	.001	1.5
73	MP4B	X	0	4.5
74	MP4B	Z	-2.577	4.5
75	MP4B	Mx	.001	4.5
76	MP4C	X	0	1.5
77	MP4C	Z	-4.383	1.5
78	MP4C	Mx	-.001	1.5
79	MP4C	X	0	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
80	MP4C	Z	-4.383	4.5
81	MP4C	Mx	-.001	4.5
82	MP2A	X	0	2
83	MP2A	Z	-3.623	2
84	MP2A	Mx	.000906	2
85	MP2B	X	0	2
86	MP2B	Z	-2.641	2
87	MP2B	Mx	-.001	2
88	MP2C	X	0	2
89	MP2C	Z	-3.623	2
90	MP2C	Mx	.000906	2
91	MP1A	X	0	2
92	MP1A	Z	-3.525	2
93	MP1A	Mx	.000854	2
94	MP1B	X	0	2
95	MP1B	Z	-2.139	2
96	MP1B	Mx	-.001	2
97	MP1C	X	0	2
98	MP1C	Z	-3.498	2
99	MP1C	Mx	.000874	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	.373	5.5
2	MP3A	Z	-.647	5.5
3	MP3A	Mx	-.000323	5.5
4	MP3B	X	.373	5.5
5	MP3B	Z	-.647	5.5
6	MP3B	Mx	.000324	5.5
7	MP3C	X	.94	5.5
8	MP3C	Z	-1.628	5.5
9	MP3C	Mx	0	5.5
10	MP3A	X	1.349	1
11	MP3A	Z	-2.337	1
12	MP3A	Mx	-.001	1
13	MP3A	X	1.349	3
14	MP3A	Z	-2.337	3
15	MP3A	Mx	-.001	3
16	MP3B	X	1.349	1
17	MP3B	Z	-2.337	1
18	MP3B	Mx	.001	1
19	MP3B	X	1.349	3
20	MP3B	Z	-2.337	3
21	MP3B	Mx	.001	3
22	MP3C	X	2.482	1
23	MP3C	Z	-4.299	1
24	MP3C	Mx	0	1
25	MP3C	X	2.482	3
26	MP3C	Z	-4.299	3
27	MP3C	Mx	0	3
28	MP1A	X	3.215	.75
29	MP1A	Z	-5.568	.75
30	MP1A	Mx	-.005	.75
31	MP1A	X	3.215	3.75
32	MP1A	Z	-5.568	3.75
33	MP1A	Mx	-.005	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP1B	X	3.215	.75
35	MP1B	Z	-5.568	.75
36	MP1B	Mx	.000909	.75
37	MP1B	X	3.215	3.75
38	MP1B	Z	-5.568	3.75
39	MP1B	Mx	.000909	3.75
40	MP1C	X	4.309	.75
41	MP1C	Z	-7.464	.75
42	MP1C	Mx	.005	.75
43	MP1C	X	4.309	3.75
44	MP1C	Z	-7.464	3.75
45	MP1C	Mx	.005	3.75
46	MP1A	X	3.215	.75
47	MP1A	Z	-5.568	.75
48	MP1A	Mx	-.000909	.75
49	MP1A	X	3.215	3.75
50	MP1A	Z	-5.568	3.75
51	MP1A	Mx	-.000909	3.75
52	MP1B	X	3.215	.75
53	MP1B	Z	-5.568	.75
54	MP1B	Mx	.005	.75
55	MP1B	X	3.215	3.75
56	MP1B	Z	-5.568	3.75
57	MP1B	Mx	.005	3.75
58	MP1C	X	4.309	.75
59	MP1C	Z	-7.464	.75
60	MP1C	Mx	-.005	.75
61	MP1C	X	4.309	3.75
62	MP1C	Z	-7.464	3.75
63	MP1C	Mx	-.005	3.75
64	MP4A	X	1.59	1.5
65	MP4A	Z	-2.754	1.5
66	MP4A	Mx	-.001	1.5
67	MP4A	X	1.59	4.5
68	MP4A	Z	-2.754	4.5
69	MP4A	Mx	-.001	4.5
70	MP4B	X	1.59	1.5
71	MP4B	Z	-2.754	1.5
72	MP4B	Mx	.001	1.5
73	MP4B	X	1.59	4.5
74	MP4B	Z	-2.754	4.5
75	MP4B	Mx	.001	4.5
76	MP4C	X	2.493	1.5
77	MP4C	Z	-4.318	1.5
78	MP4C	Mx	0	1.5
79	MP4C	X	2.493	4.5
80	MP4C	Z	-4.318	4.5
81	MP4C	Mx	0	4.5
82	MP2A	X	1.484	2
83	MP2A	Z	-2.57	2
84	MP2A	Mx	.001	2
85	MP2B	X	1.484	2
86	MP2B	Z	-2.57	2
87	MP2B	Mx	-.001	2
88	MP2C	X	1.975	2
89	MP2C	Z	-3.421	2
90	MP2C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
91	MP1A	X	1.31	2
92	MP1A	Z	-2.268	2
93	MP1A	Mx	.001	2
94	MP1B	X	1.296	2
95	MP1B	Z	-2.245	2
96	MP1B	Mx	-.001	2
97	MP1C	X	1.975	2
98	MP1C	Z	-3.421	2
99	MP1C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP3A	X	.319	5.5
2	MP3A	Z	-.184	5.5
3	MP3A	Mx	-.000184	5.5
4	MP3B	X	1.301	5.5
5	MP3B	Z	-.751	5.5
6	MP3B	Mx	.000376	5.5
7	MP3C	X	1.301	5.5
8	MP3C	Z	-.751	5.5
9	MP3C	Mx	.000376	5.5
10	MP3A	X	1.683	1
11	MP3A	Z	-.972	1
12	MP3A	Mx	-.000972	1
13	MP3A	X	1.683	3
14	MP3A	Z	-.972	3
15	MP3A	Mx	-.000972	3
16	MP3B	X	3.645	1
17	MP3B	Z	-2.105	1
18	MP3B	Mx	.001	1
19	MP3B	X	3.645	3
20	MP3B	Z	-2.105	3
21	MP3B	Mx	.001	3
22	MP3C	X	3.645	1
23	MP3C	Z	-2.105	1
24	MP3C	Mx	.001	1
25	MP3C	X	3.645	3
26	MP3C	Z	-2.105	3
27	MP3C	Mx	.001	3
28	MP1A	X	4.936	.75
29	MP1A	Z	-2.85	.75
30	MP1A	Mx	-.003	.75
31	MP1A	X	4.936	3.75
32	MP1A	Z	-2.85	3.75
33	MP1A	Mx	-.003	3.75
34	MP1B	X	6.832	.75
35	MP1B	Z	-3.945	.75
36	MP1B	Mx	-.002	.75
37	MP1B	X	6.832	3.75
38	MP1B	Z	-3.945	3.75
39	MP1B	Mx	-.002	3.75
40	MP1C	X	6.832	.75
41	MP1C	Z	-3.945	.75
42	MP1C	Mx	.006	.75
43	MP1C	X	6.832	3.75
44	MP1C	Z	-3.945	3.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
45	MP1C	Mx	.006	3.75
46	MP1A	X	4.936	.75
47	MP1A	Z	-2.85	.75
48	MP1A	Mx	-.003	.75
49	MP1A	X	4.936	3.75
50	MP1A	Z	-2.85	3.75
51	MP1A	Mx	-.003	3.75
52	MP1B	X	6.832	.75
53	MP1B	Z	-3.945	.75
54	MP1B	Mx	.006	.75
55	MP1B	X	6.832	3.75
56	MP1B	Z	-3.945	3.75
57	MP1B	Mx	.006	3.75
58	MP1C	X	6.832	.75
59	MP1C	Z	-3.945	.75
60	MP1C	Mx	-.002	.75
61	MP1C	X	6.832	3.75
62	MP1C	Z	-3.945	3.75
63	MP1C	Mx	-.002	3.75
64	MP4A	X	2.232	1.5
65	MP4A	Z	-1.289	1.5
66	MP4A	Mx	-.001	1.5
67	MP4A	X	2.232	4.5
68	MP4A	Z	-1.289	4.5
69	MP4A	Mx	-.001	4.5
70	MP4B	X	3.796	1.5
71	MP4B	Z	-2.192	1.5
72	MP4B	Mx	.001	1.5
73	MP4B	X	3.796	4.5
74	MP4B	Z	-2.192	4.5
75	MP4B	Mx	.001	4.5
76	MP4C	X	3.796	1.5
77	MP4C	Z	-2.192	1.5
78	MP4C	Mx	.001	1.5
79	MP4C	X	3.796	4.5
80	MP4C	Z	-2.192	4.5
81	MP4C	Mx	.001	4.5
82	MP2A	X	2.287	2
83	MP2A	Z	-1.32	2
84	MP2A	Mx	.001	2
85	MP2B	X	3.138	2
86	MP2B	Z	-1.811	2
87	MP2B	Mx	-.000906	2
88	MP2C	X	3.138	2
89	MP2C	Z	-1.811	2
90	MP2C	Mx	-.000906	2
91	MP1A	X	1.853	2
92	MP1A	Z	-1.07	2
93	MP1A	Mx	.001	2
94	MP1B	X	3.029	2
95	MP1B	Z	-1.749	2
96	MP1B	Mx	-.000874	2
97	MP1C	X	3.029	2
98	MP1C	Z	-1.749	2
99	MP1C	Mx	-.000874	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	.747	5.5
2	MP3A	Z	0	5.5
3	MP3A	Mx	-.000323	5.5
4	MP3B	X	1.88	5.5
5	MP3B	Z	0	5.5
6	MP3B	Mx	0	5.5
7	MP3C	X	.747	5.5
8	MP3C	Z	0	5.5
9	MP3C	Mx	.000323	5.5
10	MP3A	X	2.699	1
11	MP3A	Z	0	1
12	MP3A	Mx	-.001	1
13	MP3A	X	2.699	3
14	MP3A	Z	0	3
15	MP3A	Mx	-.001	3
16	MP3B	X	4.964	1
17	MP3B	Z	0	1
18	MP3B	Mx	0	1
19	MP3B	X	4.964	3
20	MP3B	Z	0	3
21	MP3B	Mx	0	3
22	MP3C	X	2.699	1
23	MP3C	Z	0	1
24	MP3C	Mx	.001	1
25	MP3C	X	2.699	3
26	MP3C	Z	0	3
27	MP3C	Mx	.001	3
28	MP1A	X	6.43	.75
29	MP1A	Z	0	.75
30	MP1A	Mx	-.000909	.75
31	MP1A	X	6.43	3.75
32	MP1A	Z	0	3.75
33	MP1A	Mx	-.000909	3.75
34	MP1B	X	8.619	.75
35	MP1B	Z	0	.75
36	MP1B	Mx	-.005	.75
37	MP1B	X	8.619	3.75
38	MP1B	Z	0	3.75
39	MP1B	Mx	-.005	3.75
40	MP1C	X	6.43	.75
41	MP1C	Z	0	.75
42	MP1C	Mx	.005	.75
43	MP1C	X	6.43	3.75
44	MP1C	Z	0	3.75
45	MP1C	Mx	.005	3.75
46	MP1A	X	6.43	.75
47	MP1A	Z	0	.75
48	MP1A	Mx	-.005	.75
49	MP1A	X	6.43	3.75
50	MP1A	Z	0	3.75
51	MP1A	Mx	-.005	3.75
52	MP1B	X	8.619	.75
53	MP1B	Z	0	.75
54	MP1B	Mx	.005	.75
55	MP1B	X	8.619	3.75
56	MP1B	Z	0	3.75
57	MP1B	Mx	.005	3.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1C	X	6.43	.75
59	MP1C	Z	0	.75
60	MP1C	Mx	.000909	.75
61	MP1C	X	6.43	3.75
62	MP1C	Z	0	3.75
63	MP1C	Mx	.000909	3.75
64	MP4A	X	3.179	1.5
65	MP4A	Z	0	1.5
66	MP4A	Mx	-.001	1.5
67	MP4A	X	3.179	4.5
68	MP4A	Z	0	4.5
69	MP4A	Mx	-.001	4.5
70	MP4B	X	4.985	1.5
71	MP4B	Z	0	1.5
72	MP4B	Mx	0	1.5
73	MP4B	X	4.985	4.5
74	MP4B	Z	0	4.5
75	MP4B	Mx	0	4.5
76	MP4C	X	3.179	1.5
77	MP4C	Z	0	1.5
78	MP4C	Mx	.001	1.5
79	MP4C	X	3.179	4.5
80	MP4C	Z	0	4.5
81	MP4C	Mx	.001	4.5
82	MP2A	X	2.968	2
83	MP2A	Z	0	2
84	MP2A	Mx	.001	2
85	MP2B	X	3.95	2
86	MP2B	Z	0	2
87	MP2B	Mx	0	2
88	MP2C	X	2.968	2
89	MP2C	Z	0	2
90	MP2C	Mx	-.001	2
91	MP1A	X	2.565	2
92	MP1A	Z	0	2
93	MP1A	Mx	.001	2
94	MP1B	X	3.95	2
95	MP1B	Z	0	2
96	MP1B	Mx	0	2
97	MP1C	X	2.592	2
98	MP1C	Z	0	2
99	MP1C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	1.301	5.5
2	MP3A	Z	.751	5.5
3	MP3A	Mx	-.000376	5.5
4	MP3B	X	1.301	5.5
5	MP3B	Z	.751	5.5
6	MP3B	Mx	-.000376	5.5
7	MP3C	X	.319	5.5
8	MP3C	Z	.184	5.5
9	MP3C	Mx	.000184	5.5
10	MP3A	X	3.645	1
11	MP3A	Z	2.105	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP3A	Mx	-.001	1
13	MP3A	X	3.645	3
14	MP3A	Z	2.105	3
15	MP3A	Mx	-.001	3
16	MP3B	X	3.645	1
17	MP3B	Z	2.105	1
18	MP3B	Mx	-.001	1
19	MP3B	X	3.645	3
20	MP3B	Z	2.105	3
21	MP3B	Mx	-.001	3
22	MP3C	X	1.683	1
23	MP3C	Z	.972	1
24	MP3C	Mx	.000972	1
25	MP3C	X	1.683	3
26	MP3C	Z	.972	3
27	MP3C	Mx	.000972	3
28	MP1A	X	6.832	.75
29	MP1A	Z	3.945	.75
30	MP1A	Mx	.002	.75
31	MP1A	X	6.832	3.75
32	MP1A	Z	3.945	3.75
33	MP1A	Mx	.002	3.75
34	MP1B	X	6.832	.75
35	MP1B	Z	3.945	.75
36	MP1B	Mx	-.006	.75
37	MP1B	X	6.832	3.75
38	MP1B	Z	3.945	3.75
39	MP1B	Mx	-.006	3.75
40	MP1C	X	4.936	.75
41	MP1C	Z	2.85	.75
42	MP1C	Mx	.003	.75
43	MP1C	X	4.936	3.75
44	MP1C	Z	2.85	3.75
45	MP1C	Mx	.003	3.75
46	MP1A	X	6.832	.75
47	MP1A	Z	3.945	.75
48	MP1A	Mx	-.006	.75
49	MP1A	X	6.832	3.75
50	MP1A	Z	3.945	3.75
51	MP1A	Mx	-.006	3.75
52	MP1B	X	6.832	.75
53	MP1B	Z	3.945	.75
54	MP1B	Mx	.002	.75
55	MP1B	X	6.832	3.75
56	MP1B	Z	3.945	3.75
57	MP1B	Mx	.002	3.75
58	MP1C	X	4.936	.75
59	MP1C	Z	2.85	.75
60	MP1C	Mx	.003	.75
61	MP1C	X	4.936	3.75
62	MP1C	Z	2.85	3.75
63	MP1C	Mx	.003	3.75
64	MP4A	X	3.796	1.5
65	MP4A	Z	2.192	1.5
66	MP4A	Mx	-.001	1.5
67	MP4A	X	3.796	4.5
68	MP4A	Z	2.192	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
69	MP4A	Mx	-.001	4.5
70	MP4B	X	3.796	1.5
71	MP4B	Z	2.192	1.5
72	MP4B	Mx	-.001	1.5
73	MP4B	X	3.796	4.5
74	MP4B	Z	2.192	4.5
75	MP4B	Mx	-.001	4.5
76	MP4C	X	2.232	1.5
77	MP4C	Z	1.289	1.5
78	MP4C	Mx	.001	1.5
79	MP4C	X	2.232	4.5
80	MP4C	Z	1.289	4.5
81	MP4C	Mx	.001	4.5
82	MP2A	X	3.138	2
83	MP2A	Z	1.811	2
84	MP2A	Mx	.000906	2
85	MP2B	X	3.138	2
86	MP2B	Z	1.811	2
87	MP2B	Mx	.000906	2
88	MP2C	X	2.287	2
89	MP2C	Z	1.32	2
90	MP2C	Mx	-.001	2
91	MP1A	X	3.005	2
92	MP1A	Z	1.735	2
93	MP1A	Mx	.000894	2
94	MP1B	X	3.029	2
95	MP1B	Z	1.749	2
96	MP1B	Mx	.000874	2
97	MP1C	X	1.852	2
98	MP1C	Z	1.069	2
99	MP1C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	.94	5.5
2	MP3A	Z	1.628	5.5
3	MP3A	Mx	0	5.5
4	MP3B	X	.373	5.5
5	MP3B	Z	.647	5.5
6	MP3B	Mx	-.000324	5.5
7	MP3C	X	.373	5.5
8	MP3C	Z	.647	5.5
9	MP3C	Mx	.000323	5.5
10	MP3A	X	2.482	1
11	MP3A	Z	4.299	1
12	MP3A	Mx	0	1
13	MP3A	X	2.482	3
14	MP3A	Z	4.299	3
15	MP3A	Mx	0	3
16	MP3B	X	1.349	1
17	MP3B	Z	2.337	1
18	MP3B	Mx	-.001	1
19	MP3B	X	1.349	3
20	MP3B	Z	2.337	3
21	MP3B	Mx	-.001	3
22	MP3C	X	1.349	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
23	MP3C	Z	2.337	1
24	MP3C	Mx	.001	1
25	MP3C	X	1.349	3
26	MP3C	Z	2.337	3
27	MP3C	Mx	.001	3
28	MP1A	X	4.309	.75
29	MP1A	Z	7.464	.75
30	MP1A	Mx	.005	.75
31	MP1A	X	4.309	3.75
32	MP1A	Z	7.464	3.75
33	MP1A	Mx	.005	3.75
34	MP1B	X	3.215	.75
35	MP1B	Z	5.568	.75
36	MP1B	Mx	-.005	.75
37	MP1B	X	3.215	3.75
38	MP1B	Z	5.568	3.75
39	MP1B	Mx	-.005	3.75
40	MP1C	X	3.215	.75
41	MP1C	Z	5.568	.75
42	MP1C	Mx	.000909	.75
43	MP1C	X	3.215	3.75
44	MP1C	Z	5.568	3.75
45	MP1C	Mx	.000909	3.75
46	MP1A	X	4.309	.75
47	MP1A	Z	7.464	.75
48	MP1A	Mx	-.005	.75
49	MP1A	X	4.309	3.75
50	MP1A	Z	7.464	3.75
51	MP1A	Mx	-.005	3.75
52	MP1B	X	3.215	.75
53	MP1B	Z	5.568	.75
54	MP1B	Mx	-.000909	.75
55	MP1B	X	3.215	3.75
56	MP1B	Z	5.568	3.75
57	MP1B	Mx	-.000909	3.75
58	MP1C	X	3.215	.75
59	MP1C	Z	5.568	.75
60	MP1C	Mx	.005	.75
61	MP1C	X	3.215	3.75
62	MP1C	Z	5.568	3.75
63	MP1C	Mx	.005	3.75
64	MP4A	X	2.493	1.5
65	MP4A	Z	4.318	1.5
66	MP4A	Mx	0	1.5
67	MP4A	X	2.493	4.5
68	MP4A	Z	4.318	4.5
69	MP4A	Mx	0	4.5
70	MP4B	X	1.59	1.5
71	MP4B	Z	2.754	1.5
72	MP4B	Mx	-.001	1.5
73	MP4B	X	1.59	4.5
74	MP4B	Z	2.754	4.5
75	MP4B	Mx	-.001	4.5
76	MP4C	X	1.59	1.5
77	MP4C	Z	2.754	1.5
78	MP4C	Mx	.001	1.5
79	MP4C	X	1.59	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4C	Z	2.754	4.5
81	MP4C	Mx	.001	4.5
82	MP2A	X	1.975	2
83	MP2A	Z	3.421	2
84	MP2A	Mx	0	2
85	MP2B	X	1.484	2
86	MP2B	Z	2.57	2
87	MP2B	Mx	.001	2
88	MP2C	X	1.484	2
89	MP2C	Z	2.57	2
90	MP2C	Mx	-.001	2
91	MP1A	X	1.975	2
92	MP1A	Z	3.421	2
93	MP1A	Mx	3.4e-5	2
94	MP1B	X	1.296	2
95	MP1B	Z	2.245	2
96	MP1B	Mx	.001	2
97	MP1C	X	1.296	2
98	MP1C	Z	2.245	2
99	MP1C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	5.5
2	MP3A	Z	1.502	5.5
3	MP3A	Mx	.000376	5.5
4	MP3B	X	0	5.5
5	MP3B	Z	.369	5.5
6	MP3B	Mx	-.000184	5.5
7	MP3C	X	0	5.5
8	MP3C	Z	1.502	5.5
9	MP3C	Mx	.000376	5.5
10	MP3A	X	0	1
11	MP3A	Z	4.209	1
12	MP3A	Mx	.001	1
13	MP3A	X	0	3
14	MP3A	Z	4.209	3
15	MP3A	Mx	.001	3
16	MP3B	X	0	1
17	MP3B	Z	1.944	1
18	MP3B	Mx	-.000972	1
19	MP3B	X	0	3
20	MP3B	Z	1.944	3
21	MP3B	Mx	-.000972	3
22	MP3C	X	0	1
23	MP3C	Z	4.209	1
24	MP3C	Mx	.001	1
25	MP3C	X	0	3
26	MP3C	Z	4.209	3
27	MP3C	Mx	.001	3
28	MP1A	X	0	.75
29	MP1A	Z	7.889	.75
30	MP1A	Mx	.006	.75
31	MP1A	X	0	3.75
32	MP1A	Z	7.889	3.75
33	MP1A	Mx	.006	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP1B	X	0	.75
35	MP1B	Z	5.7	.75
36	MP1B	Mx	-.003	.75
37	MP1B	X	0	3.75
38	MP1B	Z	5.7	3.75
39	MP1B	Mx	-.003	3.75
40	MP1C	X	0	.75
41	MP1C	Z	7.889	.75
42	MP1C	Mx	-.002	.75
43	MP1C	X	0	3.75
44	MP1C	Z	7.889	3.75
45	MP1C	Mx	-.002	3.75
46	MP1A	X	0	.75
47	MP1A	Z	7.889	.75
48	MP1A	Mx	-.002	.75
49	MP1A	X	0	3.75
50	MP1A	Z	7.889	3.75
51	MP1A	Mx	-.002	3.75
52	MP1B	X	0	.75
53	MP1B	Z	5.7	.75
54	MP1B	Mx	-.003	.75
55	MP1B	X	0	3.75
56	MP1B	Z	5.7	3.75
57	MP1B	Mx	-.003	3.75
58	MP1C	X	0	.75
59	MP1C	Z	7.889	.75
60	MP1C	Mx	.006	.75
61	MP1C	X	0	3.75
62	MP1C	Z	7.889	3.75
63	MP1C	Mx	.006	3.75
64	MP4A	X	0	1.5
65	MP4A	Z	4.383	1.5
66	MP4A	Mx	.001	1.5
67	MP4A	X	0	4.5
68	MP4A	Z	4.383	4.5
69	MP4A	Mx	.001	4.5
70	MP4B	X	0	1.5
71	MP4B	Z	2.577	1.5
72	MP4B	Mx	-.001	1.5
73	MP4B	X	0	4.5
74	MP4B	Z	2.577	4.5
75	MP4B	Mx	-.001	4.5
76	MP4C	X	0	1.5
77	MP4C	Z	4.383	1.5
78	MP4C	Mx	.001	1.5
79	MP4C	X	0	4.5
80	MP4C	Z	4.383	4.5
81	MP4C	Mx	.001	4.5
82	MP2A	X	0	2
83	MP2A	Z	3.623	2
84	MP2A	Mx	-.000906	2
85	MP2B	X	0	2
86	MP2B	Z	2.641	2
87	MP2B	Mx	.001	2
88	MP2C	X	0	2
89	MP2C	Z	3.623	2
90	MP2C	Mx	-.000906	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
91	MP1A	X	0	2
92	MP1A	Z	3.525	2
93	MP1A	Mx	-.000854	2
94	MP1B	X	0	2
95	MP1B	Z	2.139	2
96	MP1B	Mx	.001	2
97	MP1C	X	0	2
98	MP1C	Z	3.498	2
99	MP1C	Mx	-.000874	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP3A	X	-.373	5.5
2	MP3A	Z	.647	5.5
3	MP3A	Mx	.000323	5.5
4	MP3B	X	-.373	5.5
5	MP3B	Z	.647	5.5
6	MP3B	Mx	-.000324	5.5
7	MP3C	X	-.94	5.5
8	MP3C	Z	1.628	5.5
9	MP3C	Mx	0	5.5
10	MP3A	X	-1.349	1
11	MP3A	Z	2.337	1
12	MP3A	Mx	.001	1
13	MP3A	X	-1.349	3
14	MP3A	Z	2.337	3
15	MP3A	Mx	.001	3
16	MP3B	X	-1.349	1
17	MP3B	Z	2.337	1
18	MP3B	Mx	-.001	1
19	MP3B	X	-1.349	3
20	MP3B	Z	2.337	3
21	MP3B	Mx	-.001	3
22	MP3C	X	-2.482	1
23	MP3C	Z	4.299	1
24	MP3C	Mx	0	1
25	MP3C	X	-2.482	3
26	MP3C	Z	4.299	3
27	MP3C	Mx	0	3
28	MP1A	X	-3.215	.75
29	MP1A	Z	5.568	.75
30	MP1A	Mx	.005	.75
31	MP1A	X	-3.215	3.75
32	MP1A	Z	5.568	3.75
33	MP1A	Mx	.005	3.75
34	MP1B	X	-3.215	.75
35	MP1B	Z	5.568	.75
36	MP1B	Mx	-.000909	.75
37	MP1B	X	-3.215	3.75
38	MP1B	Z	5.568	3.75
39	MP1B	Mx	-.000909	3.75
40	MP1C	X	-4.309	.75
41	MP1C	Z	7.464	.75
42	MP1C	Mx	-.005	.75
43	MP1C	X	-4.309	3.75
44	MP1C	Z	7.464	3.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
45	MP1C	Mx	-.005	3.75
46	MP1A	X	-3.215	.75
47	MP1A	Z	5.568	.75
48	MP1A	Mx	.000909	.75
49	MP1A	X	-3.215	3.75
50	MP1A	Z	5.568	3.75
51	MP1A	Mx	.000909	3.75
52	MP1B	X	-3.215	.75
53	MP1B	Z	5.568	.75
54	MP1B	Mx	-.005	.75
55	MP1B	X	-3.215	3.75
56	MP1B	Z	5.568	3.75
57	MP1B	Mx	-.005	3.75
58	MP1C	X	-4.309	.75
59	MP1C	Z	7.464	.75
60	MP1C	Mx	.005	.75
61	MP1C	X	-4.309	3.75
62	MP1C	Z	7.464	3.75
63	MP1C	Mx	.005	3.75
64	MP4A	X	-1.59	1.5
65	MP4A	Z	2.754	1.5
66	MP4A	Mx	.001	1.5
67	MP4A	X	-1.59	4.5
68	MP4A	Z	2.754	4.5
69	MP4A	Mx	.001	4.5
70	MP4B	X	-1.59	1.5
71	MP4B	Z	2.754	1.5
72	MP4B	Mx	-.001	1.5
73	MP4B	X	-1.59	4.5
74	MP4B	Z	2.754	4.5
75	MP4B	Mx	-.001	4.5
76	MP4C	X	-2.493	1.5
77	MP4C	Z	4.318	1.5
78	MP4C	Mx	0	1.5
79	MP4C	X	-2.493	4.5
80	MP4C	Z	4.318	4.5
81	MP4C	Mx	0	4.5
82	MP2A	X	-1.484	2
83	MP2A	Z	2.57	2
84	MP2A	Mx	-.001	2
85	MP2B	X	-1.484	2
86	MP2B	Z	2.57	2
87	MP2B	Mx	.001	2
88	MP2C	X	-1.975	2
89	MP2C	Z	3.421	2
90	MP2C	Mx	0	2
91	MP1A	X	-1.31	2
92	MP1A	Z	2.268	2
93	MP1A	Mx	-.001	2
94	MP1B	X	-1.296	2
95	MP1B	Z	2.245	2
96	MP1B	Mx	.001	2
97	MP1C	X	-1.975	2
98	MP1C	Z	3.421	2
99	MP1C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-.319	5.5
2	MP3A	Z	.184	5.5
3	MP3A	Mx	.000184	5.5
4	MP3B	X	-1.301	5.5
5	MP3B	Z	.751	5.5
6	MP3B	Mx	-.000376	5.5
7	MP3C	X	-1.301	5.5
8	MP3C	Z	.751	5.5
9	MP3C	Mx	-.000376	5.5
10	MP3A	X	-1.683	1
11	MP3A	Z	.972	1
12	MP3A	Mx	.000972	1
13	MP3A	X	-1.683	3
14	MP3A	Z	.972	3
15	MP3A	Mx	.000972	3
16	MP3B	X	-3.645	1
17	MP3B	Z	2.105	1
18	MP3B	Mx	-.001	1
19	MP3B	X	-3.645	3
20	MP3B	Z	2.105	3
21	MP3B	Mx	-.001	3
22	MP3C	X	-3.645	1
23	MP3C	Z	2.105	1
24	MP3C	Mx	-.001	1
25	MP3C	X	-3.645	3
26	MP3C	Z	2.105	3
27	MP3C	Mx	-.001	3
28	MP1A	X	-4.936	.75
29	MP1A	Z	2.85	.75
30	MP1A	Mx	.003	.75
31	MP1A	X	-4.936	3.75
32	MP1A	Z	2.85	3.75
33	MP1A	Mx	.003	3.75
34	MP1B	X	-6.832	.75
35	MP1B	Z	3.945	.75
36	MP1B	Mx	.002	.75
37	MP1B	X	-6.832	3.75
38	MP1B	Z	3.945	3.75
39	MP1B	Mx	.002	3.75
40	MP1C	X	-6.832	.75
41	MP1C	Z	3.945	.75
42	MP1C	Mx	-.006	.75
43	MP1C	X	-6.832	3.75
44	MP1C	Z	3.945	3.75
45	MP1C	Mx	-.006	3.75
46	MP1A	X	-4.936	.75
47	MP1A	Z	2.85	.75
48	MP1A	Mx	.003	.75
49	MP1A	X	-4.936	3.75
50	MP1A	Z	2.85	3.75
51	MP1A	Mx	.003	3.75
52	MP1B	X	-6.832	.75
53	MP1B	Z	3.945	.75
54	MP1B	Mx	-.006	.75
55	MP1B	X	-6.832	3.75
56	MP1B	Z	3.945	3.75
57	MP1B	Mx	-.006	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1C	X	-6.832	.75
59	MP1C	Z	3.945	.75
60	MP1C	Mx	.002	.75
61	MP1C	X	-6.832	3.75
62	MP1C	Z	3.945	3.75
63	MP1C	Mx	.002	3.75
64	MP4A	X	-2.232	1.5
65	MP4A	Z	1.289	1.5
66	MP4A	Mx	.001	1.5
67	MP4A	X	-2.232	4.5
68	MP4A	Z	1.289	4.5
69	MP4A	Mx	.001	4.5
70	MP4B	X	-3.796	1.5
71	MP4B	Z	2.192	1.5
72	MP4B	Mx	-.001	1.5
73	MP4B	X	-3.796	4.5
74	MP4B	Z	2.192	4.5
75	MP4B	Mx	-.001	4.5
76	MP4C	X	-3.796	1.5
77	MP4C	Z	2.192	1.5
78	MP4C	Mx	-.001	1.5
79	MP4C	X	-3.796	4.5
80	MP4C	Z	2.192	4.5
81	MP4C	Mx	-.001	4.5
82	MP2A	X	-2.287	2
83	MP2A	Z	1.32	2
84	MP2A	Mx	-.001	2
85	MP2B	X	-3.138	2
86	MP2B	Z	1.811	2
87	MP2B	Mx	.000906	2
88	MP2C	X	-3.138	2
89	MP2C	Z	1.811	2
90	MP2C	Mx	.000906	2
91	MP1A	X	-1.853	2
92	MP1A	Z	1.07	2
93	MP1A	Mx	-.001	2
94	MP1B	X	-3.029	2
95	MP1B	Z	1.749	2
96	MP1B	Mx	.000874	2
97	MP1C	X	-3.029	2
98	MP1C	Z	1.749	2
99	MP1C	Mx	.000874	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.747	5.5
2	MP3A	Z	0	5.5
3	MP3A	Mx	.000323	5.5
4	MP3B	X	-1.88	5.5
5	MP3B	Z	0	5.5
6	MP3B	Mx	0	5.5
7	MP3C	X	-.747	5.5
8	MP3C	Z	0	5.5
9	MP3C	Mx	-.000323	5.5
10	MP3A	X	-2.699	1
11	MP3A	Z	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP3A	Mx	.001	1
13	MP3A	X	-2.699	3
14	MP3A	Z	0	3
15	MP3A	Mx	.001	3
16	MP3B	X	-4.964	1
17	MP3B	Z	0	1
18	MP3B	Mx	0	1
19	MP3B	X	-4.964	3
20	MP3B	Z	0	3
21	MP3B	Mx	0	3
22	MP3C	X	-2.699	1
23	MP3C	Z	0	1
24	MP3C	Mx	-.001	1
25	MP3C	X	-2.699	3
26	MP3C	Z	0	3
27	MP3C	Mx	-.001	3
28	MP1A	X	-6.43	.75
29	MP1A	Z	0	.75
30	MP1A	Mx	.000909	.75
31	MP1A	X	-6.43	3.75
32	MP1A	Z	0	3.75
33	MP1A	Mx	.000909	3.75
34	MP1B	X	-8.619	.75
35	MP1B	Z	0	.75
36	MP1B	Mx	.005	.75
37	MP1B	X	-8.619	3.75
38	MP1B	Z	0	3.75
39	MP1B	Mx	.005	3.75
40	MP1C	X	-6.43	.75
41	MP1C	Z	0	.75
42	MP1C	Mx	-.005	.75
43	MP1C	X	-6.43	3.75
44	MP1C	Z	0	3.75
45	MP1C	Mx	-.005	3.75
46	MP1A	X	-6.43	.75
47	MP1A	Z	0	.75
48	MP1A	Mx	.005	.75
49	MP1A	X	-6.43	3.75
50	MP1A	Z	0	3.75
51	MP1A	Mx	.005	3.75
52	MP1B	X	-8.619	.75
53	MP1B	Z	0	.75
54	MP1B	Mx	-.005	.75
55	MP1B	X	-8.619	3.75
56	MP1B	Z	0	3.75
57	MP1B	Mx	-.005	3.75
58	MP1C	X	-6.43	.75
59	MP1C	Z	0	.75
60	MP1C	Mx	-.000909	.75
61	MP1C	X	-6.43	3.75
62	MP1C	Z	0	3.75
63	MP1C	Mx	-.000909	3.75
64	MP4A	X	-3.179	1.5
65	MP4A	Z	0	1.5
66	MP4A	Mx	.001	1.5
67	MP4A	X	-3.179	4.5
68	MP4A	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
69	MP4A	Mx	.001	4.5
70	MP4B	X	-4.985	1.5
71	MP4B	Z	0	1.5
72	MP4B	Mx	0	1.5
73	MP4B	X	-4.985	4.5
74	MP4B	Z	0	4.5
75	MP4B	Mx	0	4.5
76	MP4C	X	-3.179	1.5
77	MP4C	Z	0	1.5
78	MP4C	Mx	-.001	1.5
79	MP4C	X	-3.179	4.5
80	MP4C	Z	0	4.5
81	MP4C	Mx	-.001	4.5
82	MP2A	X	-2.968	2
83	MP2A	Z	0	2
84	MP2A	Mx	-.001	2
85	MP2B	X	-3.95	2
86	MP2B	Z	0	2
87	MP2B	Mx	0	2
88	MP2C	X	-2.968	2
89	MP2C	Z	0	2
90	MP2C	Mx	.001	2
91	MP1A	X	-2.565	2
92	MP1A	Z	0	2
93	MP1A	Mx	-.001	2
94	MP1B	X	-3.95	2
95	MP1B	Z	0	2
96	MP1B	Mx	0	2
97	MP1C	X	-2.592	2
98	MP1C	Z	0	2
99	MP1C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-1.301	5.5
2	MP3A	Z	-.751	5.5
3	MP3A	Mx	.000376	5.5
4	MP3B	X	-1.301	5.5
5	MP3B	Z	-.751	5.5
6	MP3B	Mx	.000376	5.5
7	MP3C	X	-.319	5.5
8	MP3C	Z	-.184	5.5
9	MP3C	Mx	-.000184	5.5
10	MP3A	X	-3.645	1
11	MP3A	Z	-2.105	1
12	MP3A	Mx	.001	1
13	MP3A	X	-3.645	3
14	MP3A	Z	-2.105	3
15	MP3A	Mx	.001	3
16	MP3B	X	-3.645	1
17	MP3B	Z	-2.105	1
18	MP3B	Mx	.001	1
19	MP3B	X	-3.645	3
20	MP3B	Z	-2.105	3
21	MP3B	Mx	.001	3
22	MP3C	X	-1.683	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3C	Z	-.972	1
24	MP3C	Mx	-.000972	1
25	MP3C	X	-1.683	3
26	MP3C	Z	-.972	3
27	MP3C	Mx	-.000972	3
28	MP1A	X	-6.832	.75
29	MP1A	Z	-3.945	.75
30	MP1A	Mx	-.002	.75
31	MP1A	X	-6.832	3.75
32	MP1A	Z	-3.945	3.75
33	MP1A	Mx	-.002	3.75
34	MP1B	X	-6.832	.75
35	MP1B	Z	-3.945	.75
36	MP1B	Mx	.006	.75
37	MP1B	X	-6.832	3.75
38	MP1B	Z	-3.945	3.75
39	MP1B	Mx	.006	3.75
40	MP1C	X	-4.936	.75
41	MP1C	Z	-2.85	.75
42	MP1C	Mx	-.003	.75
43	MP1C	X	-4.936	3.75
44	MP1C	Z	-2.85	3.75
45	MP1C	Mx	-.003	3.75
46	MP1A	X	-6.832	.75
47	MP1A	Z	-3.945	.75
48	MP1A	Mx	.006	.75
49	MP1A	X	-6.832	3.75
50	MP1A	Z	-3.945	3.75
51	MP1A	Mx	.006	3.75
52	MP1B	X	-6.832	.75
53	MP1B	Z	-3.945	.75
54	MP1B	Mx	-.002	.75
55	MP1B	X	-6.832	3.75
56	MP1B	Z	-3.945	3.75
57	MP1B	Mx	-.002	3.75
58	MP1C	X	-4.936	.75
59	MP1C	Z	-2.85	.75
60	MP1C	Mx	-.003	.75
61	MP1C	X	-4.936	3.75
62	MP1C	Z	-2.85	3.75
63	MP1C	Mx	-.003	3.75
64	MP4A	X	-3.796	1.5
65	MP4A	Z	-2.192	1.5
66	MP4A	Mx	.001	1.5
67	MP4A	X	-3.796	4.5
68	MP4A	Z	-2.192	4.5
69	MP4A	Mx	.001	4.5
70	MP4B	X	-3.796	1.5
71	MP4B	Z	-2.192	1.5
72	MP4B	Mx	.001	1.5
73	MP4B	X	-3.796	4.5
74	MP4B	Z	-2.192	4.5
75	MP4B	Mx	.001	4.5
76	MP4C	X	-2.232	1.5
77	MP4C	Z	-1.289	1.5
78	MP4C	Mx	-.001	1.5
79	MP4C	X	-2.232	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
80	MP4C	Z	-1.289	4.5
81	MP4C	Mx	-.001	4.5
82	MP2A	X	-3.138	2
83	MP2A	Z	-1.811	2
84	MP2A	Mx	-.000906	2
85	MP2B	X	-3.138	2
86	MP2B	Z	-1.811	2
87	MP2B	Mx	-.000906	2
88	MP2C	X	-2.287	2
89	MP2C	Z	-1.32	2
90	MP2C	Mx	.001	2
91	MP1A	X	-3.005	2
92	MP1A	Z	-1.735	2
93	MP1A	Mx	-.000894	2
94	MP1B	X	-3.029	2
95	MP1B	Z	-1.749	2
96	MP1B	Mx	-.000874	2
97	MP1C	X	-1.852	2
98	MP1C	Z	-1.069	2
99	MP1C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-.94	5.5
2	MP3A	Z	-1.628	5.5
3	MP3A	Mx	0	5.5
4	MP3B	X	-.373	5.5
5	MP3B	Z	-.647	5.5
6	MP3B	Mx	.000324	5.5
7	MP3C	X	-.373	5.5
8	MP3C	Z	-.647	5.5
9	MP3C	Mx	-.000323	5.5
10	MP3A	X	-2.482	1
11	MP3A	Z	-4.299	1
12	MP3A	Mx	0	1
13	MP3A	X	-2.482	3
14	MP3A	Z	-4.299	3
15	MP3A	Mx	0	3
16	MP3B	X	-1.349	1
17	MP3B	Z	-2.337	1
18	MP3B	Mx	.001	1
19	MP3B	X	-1.349	3
20	MP3B	Z	-2.337	3
21	MP3B	Mx	.001	3
22	MP3C	X	-1.349	1
23	MP3C	Z	-2.337	1
24	MP3C	Mx	-.001	1
25	MP3C	X	-1.349	3
26	MP3C	Z	-2.337	3
27	MP3C	Mx	-.001	3
28	MP1A	X	-4.309	.75
29	MP1A	Z	-7.464	.75
30	MP1A	Mx	-.005	.75
31	MP1A	X	-4.309	3.75
32	MP1A	Z	-7.464	3.75
33	MP1A	Mx	-.005	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP1B	X	-3.215	.75
35	MP1B	Z	-5.568	.75
36	MP1B	Mx	.005	.75
37	MP1B	X	-3.215	3.75
38	MP1B	Z	-5.568	3.75
39	MP1B	Mx	.005	3.75
40	MP1C	X	-3.215	.75
41	MP1C	Z	-5.568	.75
42	MP1C	Mx	-.000909	.75
43	MP1C	X	-3.215	3.75
44	MP1C	Z	-5.568	3.75
45	MP1C	Mx	-.000909	3.75
46	MP1A	X	-4.309	.75
47	MP1A	Z	-7.464	.75
48	MP1A	Mx	.005	.75
49	MP1A	X	-4.309	3.75
50	MP1A	Z	-7.464	3.75
51	MP1A	Mx	.005	3.75
52	MP1B	X	-3.215	.75
53	MP1B	Z	-5.568	.75
54	MP1B	Mx	.000909	.75
55	MP1B	X	-3.215	3.75
56	MP1B	Z	-5.568	3.75
57	MP1B	Mx	.000909	3.75
58	MP1C	X	-3.215	.75
59	MP1C	Z	-5.568	.75
60	MP1C	Mx	-.005	.75
61	MP1C	X	-3.215	3.75
62	MP1C	Z	-5.568	3.75
63	MP1C	Mx	-.005	3.75
64	MP4A	X	-2.493	1.5
65	MP4A	Z	-4.318	1.5
66	MP4A	Mx	0	1.5
67	MP4A	X	-2.493	4.5
68	MP4A	Z	-4.318	4.5
69	MP4A	Mx	0	4.5
70	MP4B	X	-1.59	1.5
71	MP4B	Z	-2.754	1.5
72	MP4B	Mx	.001	1.5
73	MP4B	X	-1.59	4.5
74	MP4B	Z	-2.754	4.5
75	MP4B	Mx	.001	4.5
76	MP4C	X	-1.59	1.5
77	MP4C	Z	-2.754	1.5
78	MP4C	Mx	-.001	1.5
79	MP4C	X	-1.59	4.5
80	MP4C	Z	-2.754	4.5
81	MP4C	Mx	-.001	4.5
82	MP2A	X	-1.975	2
83	MP2A	Z	-3.421	2
84	MP2A	Mx	0	2
85	MP2B	X	-1.484	2
86	MP2B	Z	-2.57	2
87	MP2B	Mx	-.001	2
88	MP2C	X	-1.484	2
89	MP2C	Z	-2.57	2
90	MP2C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP1A	X	-1.975	2
92	MP1A	Z	-3.421	2
93	MP1A	Mx	-3.4e-5	2
94	MP1B	X	-1.296	2
95	MP1B	Z	-2.245	2
96	MP1B	Mx	-.001	2
97	MP1C	X	-1.296	2
98	MP1C	Z	-2.245	2
99	MP1C	Mx	.001	2

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M29	Y	-500	%94

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M29	Y	-500	%53

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M29	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M29	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	M1	Y	-12.595	-12.595	0	%100
2	M2	Y	-12.595	-12.595	0	%100
3	M3	Y	-12.595	-12.595	0	%100
4	M4	Y	-12.595	-12.595	0	%100
5	M5	Y	-15.579	-15.579	0	%100
6	M8	Y	-12.595	-12.595	0	%100
7	M9	Y	-12.595	-12.595	0	%100
8	M10	Y	-12.595	-12.595	0	%100
9	M11	Y	-12.595	-12.595	0	%100
10	M12	Y	-15.579	-15.579	0	%100
11	M15	Y	-12.595	-12.595	0	%100
12	M16	Y	-12.595	-12.595	0	%100
13	M17	Y	-12.595	-12.595	0	%100
14	M18	Y	-12.595	-12.595	0	%100
15	M19	Y	-15.579	-15.579	0	%100
16	M28	Y	-8.654	-8.654	0	%100
17	M29	Y	-12.083	-12.083	0	%100
18	M30	Y	-8.654	-8.654	0	%100
19	M31	Y	-12.083	-12.083	0	%100
20	M32	Y	-8.654	-8.654	0	%100
21	M33	Y	-12.083	-12.083	0	%100
22	M34	Y	-8.654	-8.654	0	%100
23	M35	Y	-8.654	-8.654	0	%100
24	M36	Y	-8.654	-8.654	0	%100
25	M43	Y	-11.103	-11.103	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
26	M44	Y	-11.103	-11.103	0	%100
27	M45	Y	-11.103	-11.103	0	%100
28	MP1A	Y	-8.654	-8.654	0	%100
29	MP2A	Y	-8.654	-8.654	0	%100
30	MP3A	Y	-8.654	-8.654	0	%100
31	MP4A	Y	-8.654	-8.654	0	%100
32	MP1C	Y	-8.654	-8.654	0	%100
33	MP2C	Y	-8.654	-8.654	0	%100
34	MP3C	Y	-8.654	-8.654	0	%100
35	MP4C	Y	-8.654	-8.654	0	%100
36	MP1B	Y	-8.654	-8.654	0	%100
37	MP2B	Y	-8.654	-8.654	0	%100
38	MP3B	Y	-8.654	-8.654	0	%100
39	MP4B	Y	-8.654	-8.654	0	%100
40	M94	Y	-17.07	-17.07	0	%100
41	M95	Y	-17.07	-17.07	0	%100
42	M96	Y	-17.07	-17.07	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-15.792	-15.792	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-9.874	-9.874	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-15.792	-15.792	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-9.874	-9.874	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	-3.948	-3.948	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-0.000763	-0.000763	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-3.948	-3.948	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-10.048	-10.048	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	-7.208	-7.208	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	-3.948	-3.948	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-10.048	-10.048	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-3.948	-3.948	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-0.000763	-0.000763	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-7.208	-7.208	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-7.501	-7.501	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	-12.305	-12.305	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	-1.875	-1.875	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, %]
37	M31	X	0	0	0	%100
38	M31	Z	-3.076	-3.076	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-1.875	-1.875	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	-3.076	-3.076	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	-1.442	-1.442	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	-1.442	-1.442	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	-5.77	-5.77	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	-2.159	-2.159	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	-2.159	-2.159	0	%100
53	M45	X	0	0	0	%100
54	M45	Z	-8.636	-8.636	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	-7.501	-7.501	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	-7.501	-7.501	0	%100
59	MP3A	X	0	0	0	%100
60	MP3A	Z	-7.501	-7.501	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	-7.501	-7.501	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	-7.501	-7.501	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	-7.501	-7.501	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	-7.501	-7.501	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	-7.501	-7.501	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	-7.501	-7.501	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	-7.501	-7.501	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	-7.501	-7.501	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	-7.501	-7.501	0	%100
79	M94	X	0	0	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-8.798	-8.798	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	-8.798	-8.798	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	5.922	5.922	0	%100
2	M1	Z	-10.257	-10.257	0	%100
3	M2	X	6.641	6.641	0	%100
4	M2	Z	-11.502	-11.502	0	%100
5	M3	X	5.922	5.922	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.%]
6	M3	Z	-10.257	-10.257	0	%100
7	M4	X	1.617	1.617	0	%100
8	M4	Z	-2.801	-2.801	0	%100
9	M5	X	1.201	1.201	0	%100
10	M5	Z	-2.081	-2.081	0	%100
11	M8	X	5.922	5.922	0	%100
12	M8	Z	-10.257	-10.257	0	%100
13	M9	X	1.617	1.617	0	%100
14	M9	Z	-2.801	-2.801	0	%100
15	M10	X	5.922	5.922	0	%100
16	M10	Z	-10.257	-10.257	0	%100
17	M11	X	6.641	6.641	0	%100
18	M11	Z	-11.502	-11.502	0	%100
19	M12	X	1.201	1.201	0	%100
20	M12	Z	-2.081	-2.081	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	1.704	1.704	0	%100
24	M16	Z	-2.952	-2.952	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	1.704	1.704	0	%100
28	M18	Z	-2.952	-2.952	0	%100
29	M19	X	4.805	4.805	0	%100
30	M19	Z	-8.323	-8.323	0	%100
31	M28	X	2.813	2.813	0	%100
32	M28	Z	-4.872	-4.872	0	%100
33	M29	X	4.614	4.614	0	%100
34	M29	Z	-7.992	-7.992	0	%100
35	M30	X	2.813	2.813	0	%100
36	M30	Z	-4.872	-4.872	0	%100
37	M31	X	4.614	4.614	0	%100
38	M31	Z	-7.992	-7.992	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	2.164	2.164	0	%100
44	M34	Z	-3.748	-3.748	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	2.164	2.164	0	%100
48	M36	Z	-3.748	-3.748	0	%100
49	M43	X	3.239	3.239	0	%100
50	M43	Z	-5.609	-5.609	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	0	0	0	%100
53	M45	X	3.239	3.239	0	%100
54	M45	Z	-5.609	-5.609	0	%100
55	MP1A	X	3.751	3.751	0	%100
56	MP1A	Z	-6.496	-6.496	0	%100
57	MP2A	X	3.751	3.751	0	%100
58	MP2A	Z	-6.496	-6.496	0	%100
59	MP3A	X	3.751	3.751	0	%100
60	MP3A	Z	-6.496	-6.496	0	%100
61	MP4A	X	3.751	3.751	0	%100
62	MP4A	Z	-6.496	-6.496	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, %]
63	MP1C	X	3.751	3.751	0	%100
64	MP1C	Z	-6.496	-6.496	0	%100
65	MP2C	X	3.751	3.751	0	%100
66	MP2C	Z	-6.496	-6.496	0	%100
67	MP3C	X	3.751	3.751	0	%100
68	MP3C	Z	-6.496	-6.496	0	%100
69	MP4C	X	3.751	3.751	0	%100
70	MP4C	Z	-6.496	-6.496	0	%100
71	MP1B	X	3.751	3.751	0	%100
72	MP1B	Z	-6.496	-6.496	0	%100
73	MP2B	X	3.751	3.751	0	%100
74	MP2B	Z	-6.496	-6.496	0	%100
75	MP3B	X	3.751	3.751	0	%100
76	MP3B	Z	-6.496	-6.496	0	%100
77	MP4B	X	3.751	3.751	0	%100
78	MP4B	Z	-6.496	-6.496	0	%100
79	M94	X	1.466	1.466	0	%100
80	M94	Z	-2.54	-2.54	0	%100
81	M95	X	1.466	1.466	0	%100
82	M95	Z	-2.54	-2.54	0	%100
83	M96	X	5.865	5.865	0	%100
84	M96	Z	-10.159	-10.159	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	3.419	3.419	0	%100
2	M1	Z	-1.974	-1.974	0	%100
3	M2	X	8.702	8.702	0	%100
4	M2	Z	-5.024	-5.024	0	%100
5	M3	X	3.419	3.419	0	%100
6	M3	Z	-1.974	-1.974	0	%100
7	M4	X	.000661	.000661	0	%100
8	M4	Z	-.000381	-.000381	0	%100
9	M5	X	6.242	6.242	0	%100
10	M5	Z	-3.604	-3.604	0	%100
11	M8	X	13.676	13.676	0	%100
12	M8	Z	-7.896	-7.896	0	%100
13	M9	X	8.551	8.551	0	%100
14	M9	Z	-4.937	-4.937	0	%100
15	M10	X	13.676	13.676	0	%100
16	M10	Z	-7.896	-7.896	0	%100
17	M11	X	8.551	8.551	0	%100
18	M11	Z	-4.937	-4.937	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	0	0	0	%100
21	M15	X	3.419	3.419	0	%100
22	M15	Z	-1.974	-1.974	0	%100
23	M16	X	.000661	.000661	0	%100
24	M16	Z	-.000381	-.000381	0	%100
25	M17	X	3.419	3.419	0	%100
26	M17	Z	-1.974	-1.974	0	%100
27	M18	X	8.702	8.702	0	%100
28	M18	Z	-5.024	-5.024	0	%100
29	M19	X	6.242	6.242	0	%100
30	M19	Z	-3.604	-3.604	0	%100
31	M28	X	1.624	1.624	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, %]
32	M28	Z	- .938	- .938	0	%100
33	M29	X	2.664	2.664	0	%100
34	M29	Z	-1.538	-1.538	0	%100
35	M30	X	6.496	6.496	0	%100
36	M30	Z	-3.751	-3.751	0	%100
37	M31	X	10.656	10.656	0	%100
38	M31	Z	-6.153	-6.153	0	%100
39	M32	X	1.624	1.624	0	%100
40	M32	Z	- .938	- .938	0	%100
41	M33	X	2.664	2.664	0	%100
42	M33	Z	-1.538	-1.538	0	%100
43	M34	X	4.997	4.997	0	%100
44	M34	Z	-2.885	-2.885	0	%100
45	M35	X	1.249	1.249	0	%100
46	M35	Z	- .721	- .721	0	%100
47	M36	X	1.249	1.249	0	%100
48	M36	Z	- .721	- .721	0	%100
49	M43	X	7.479	7.479	0	%100
50	M43	Z	-4.318	-4.318	0	%100
51	M44	X	1.87	1.87	0	%100
52	M44	Z	-1.08	-1.08	0	%100
53	M45	X	1.87	1.87	0	%100
54	M45	Z	-1.08	-1.08	0	%100
55	MP1A	X	6.496	6.496	0	%100
56	MP1A	Z	-3.751	-3.751	0	%100
57	MP2A	X	6.496	6.496	0	%100
58	MP2A	Z	-3.751	-3.751	0	%100
59	MP3A	X	6.496	6.496	0	%100
60	MP3A	Z	-3.751	-3.751	0	%100
61	MP4A	X	6.496	6.496	0	%100
62	MP4A	Z	-3.751	-3.751	0	%100
63	MP1C	X	6.496	6.496	0	%100
64	MP1C	Z	-3.751	-3.751	0	%100
65	MP2C	X	6.496	6.496	0	%100
66	MP2C	Z	-3.751	-3.751	0	%100
67	MP3C	X	6.496	6.496	0	%100
68	MP3C	Z	-3.751	-3.751	0	%100
69	MP4C	X	6.496	6.496	0	%100
70	MP4C	Z	-3.751	-3.751	0	%100
71	MP1B	X	6.496	6.496	0	%100
72	MP1B	Z	-3.751	-3.751	0	%100
73	MP2B	X	6.496	6.496	0	%100
74	MP2B	Z	-3.751	-3.751	0	%100
75	MP3B	X	6.496	6.496	0	%100
76	MP3B	Z	-3.751	-3.751	0	%100
77	MP4B	X	6.496	6.496	0	%100
78	MP4B	Z	-3.751	-3.751	0	%100
79	M94	X	7.619	7.619	0	%100
80	M94	Z	-4.399	-4.399	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	7.619	7.619	0	%100
84	M96	Z	-4.399	-4.399	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, %]
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Member Distributed Loads (BLC 44 : Structure Wo (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	3.408	3.408	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	3.408	3.408	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	9.611	9.611	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	11.844	11.844	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	13.281	13.281	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	11.844	11.844	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	3.234	3.234	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	2.403	2.403	0	%100
20	M12	Z	0	0	0	%100
21	M15	X	11.844	11.844	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	3.234	3.234	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	11.844	11.844	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	13.281	13.281	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	2.403	2.403	0	%100
30	M19	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	5.626	5.626	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	9.229	9.229	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	5.626	5.626	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	9.229	9.229	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	4.327	4.327	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	4.327	4.327	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M43	X	6.477	6.477	0	%100
50	M43	Z	0	0	0	%100
51	M44	X	6.477	6.477	0	%100
52	M44	Z	0	0	0	%100
53	M45	X	0	0	0	%100
54	M45	Z	0	0	0	%100
55	MP1A	X	7.501	7.501	0	%100
56	MP1A	Z	0	0	0	%100
57	MP2A	X	7.501	7.501	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	MP2A	Z	0	0	0	%100
59	MP3A	X	7.501	7.501	0	%100
60	MP3A	Z	0	0	0	%100
61	MP4A	X	7.501	7.501	0	%100
62	MP4A	Z	0	0	0	%100
63	MP1C	X	7.501	7.501	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	7.501	7.501	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	7.501	7.501	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	7.501	7.501	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	7.501	7.501	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	7.501	7.501	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	7.501	7.501	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	7.501	7.501	0	%100
78	MP4B	Z	0	0	0	%100
79	M94	X	11.731	11.731	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	2.933	2.933	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	2.933	2.933	0	%100
84	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	3.419	3.419	0	%100
2	M1	Z	1.974	1.974	0	%100
3	M2	X	.000661	.000661	0	%100
4	M2	Z	.000381	.000381	0	%100
5	M3	X	3.419	3.419	0	%100
6	M3	Z	1.974	1.974	0	%100
7	M4	X	8.702	8.702	0	%100
8	M4	Z	5.024	5.024	0	%100
9	M5	X	6.242	6.242	0	%100
10	M5	Z	3.604	3.604	0	%100
11	M8	X	3.419	3.419	0	%100
12	M8	Z	1.974	1.974	0	%100
13	M9	X	8.702	8.702	0	%100
14	M9	Z	5.024	5.024	0	%100
15	M10	X	3.419	3.419	0	%100
16	M10	Z	1.974	1.974	0	%100
17	M11	X	.000661	.000661	0	%100
18	M11	Z	.000381	.000381	0	%100
19	M12	X	6.242	6.242	0	%100
20	M12	Z	3.604	3.604	0	%100
21	M15	X	13.676	13.676	0	%100
22	M15	Z	7.896	7.896	0	%100
23	M16	X	8.551	8.551	0	%100
24	M16	Z	4.937	4.937	0	%100
25	M17	X	13.676	13.676	0	%100
26	M17	Z	7.896	7.896	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, %]
27	M18	X	8.551	8.551	0	%100
28	M18	Z	4.937	4.937	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M28	X	1.624	1.624	0	%100
32	M28	Z	.938	.938	0	%100
33	M29	X	2.664	2.664	0	%100
34	M29	Z	1.538	1.538	0	%100
35	M30	X	1.624	1.624	0	%100
36	M30	Z	.938	.938	0	%100
37	M31	X	2.664	2.664	0	%100
38	M31	Z	1.538	1.538	0	%100
39	M32	X	6.496	6.496	0	%100
40	M32	Z	3.751	3.751	0	%100
41	M33	X	10.656	10.656	0	%100
42	M33	Z	6.153	6.153	0	%100
43	M34	X	1.249	1.249	0	%100
44	M34	Z	.721	.721	0	%100
45	M35	X	4.997	4.997	0	%100
46	M35	Z	2.885	2.885	0	%100
47	M36	X	1.249	1.249	0	%100
48	M36	Z	.721	.721	0	%100
49	M43	X	1.87	1.87	0	%100
50	M43	Z	1.08	1.08	0	%100
51	M44	X	7.479	7.479	0	%100
52	M44	Z	4.318	4.318	0	%100
53	M45	X	1.87	1.87	0	%100
54	M45	Z	1.08	1.08	0	%100
55	MP1A	X	6.496	6.496	0	%100
56	MP1A	Z	3.751	3.751	0	%100
57	MP2A	X	6.496	6.496	0	%100
58	MP2A	Z	3.751	3.751	0	%100
59	MP3A	X	6.496	6.496	0	%100
60	MP3A	Z	3.751	3.751	0	%100
61	MP4A	X	6.496	6.496	0	%100
62	MP4A	Z	3.751	3.751	0	%100
63	MP1C	X	6.496	6.496	0	%100
64	MP1C	Z	3.751	3.751	0	%100
65	MP2C	X	6.496	6.496	0	%100
66	MP2C	Z	3.751	3.751	0	%100
67	MP3C	X	6.496	6.496	0	%100
68	MP3C	Z	3.751	3.751	0	%100
69	MP4C	X	6.496	6.496	0	%100
70	MP4C	Z	3.751	3.751	0	%100
71	MP1B	X	6.496	6.496	0	%100
72	MP1B	Z	3.751	3.751	0	%100
73	MP2B	X	6.496	6.496	0	%100
74	MP2B	Z	3.751	3.751	0	%100
75	MP3B	X	6.496	6.496	0	%100
76	MP3B	Z	3.751	3.751	0	%100
77	MP4B	X	6.496	6.496	0	%100
78	MP4B	Z	3.751	3.751	0	%100
79	M94	X	7.619	7.619	0	%100
80	M94	Z	4.399	4.399	0	%100
81	M95	X	7.619	7.619	0	%100
82	M95	Z	4.399	4.399	0	%100
83	M96	X	0	0	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.%]
84	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	5.922	5.922	0	%100
2	M1	Z	10.257	10.257	0	%100
3	M2	X	1.617	1.617	0	%100
4	M2	Z	2.801	2.801	0	%100
5	M3	X	5.922	5.922	0	%100
6	M3	Z	10.257	10.257	0	%100
7	M4	X	6.641	6.641	0	%100
8	M4	Z	11.502	11.502	0	%100
9	M5	X	1.201	1.201	0	%100
10	M5	Z	2.081	2.081	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	1.704	1.704	0	%100
14	M9	Z	2.952	2.952	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	1.704	1.704	0	%100
18	M11	Z	2.952	2.952	0	%100
19	M12	X	4.805	4.805	0	%100
20	M12	Z	8.323	8.323	0	%100
21	M15	X	5.922	5.922	0	%100
22	M15	Z	10.257	10.257	0	%100
23	M16	X	6.641	6.641	0	%100
24	M16	Z	11.502	11.502	0	%100
25	M17	X	5.922	5.922	0	%100
26	M17	Z	10.257	10.257	0	%100
27	M18	X	1.617	1.617	0	%100
28	M18	Z	2.801	2.801	0	%100
29	M19	X	1.201	1.201	0	%100
30	M19	Z	2.081	2.081	0	%100
31	M28	X	2.813	2.813	0	%100
32	M28	Z	4.872	4.872	0	%100
33	M29	X	4.614	4.614	0	%100
34	M29	Z	7.992	7.992	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	2.813	2.813	0	%100
40	M32	Z	4.872	4.872	0	%100
41	M33	X	4.614	4.614	0	%100
42	M33	Z	7.992	7.992	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	2.164	2.164	0	%100
46	M35	Z	3.748	3.748	0	%100
47	M36	X	2.164	2.164	0	%100
48	M36	Z	3.748	3.748	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	0	0	0	%100
51	M44	X	3.239	3.239	0	%100
52	M44	Z	5.609	5.609	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, %]
53	M45	X	3.239	3.239	0	%100
54	M45	Z	5.609	5.609	0	%100
55	MP1A	X	3.751	3.751	0	%100
56	MP1A	Z	6.496	6.496	0	%100
57	MP2A	X	3.751	3.751	0	%100
58	MP2A	Z	6.496	6.496	0	%100
59	MP3A	X	3.751	3.751	0	%100
60	MP3A	Z	6.496	6.496	0	%100
61	MP4A	X	3.751	3.751	0	%100
62	MP4A	Z	6.496	6.496	0	%100
63	MP1C	X	3.751	3.751	0	%100
64	MP1C	Z	6.496	6.496	0	%100
65	MP2C	X	3.751	3.751	0	%100
66	MP2C	Z	6.496	6.496	0	%100
67	MP3C	X	3.751	3.751	0	%100
68	MP3C	Z	6.496	6.496	0	%100
69	MP4C	X	3.751	3.751	0	%100
70	MP4C	Z	6.496	6.496	0	%100
71	MP1B	X	3.751	3.751	0	%100
72	MP1B	Z	6.496	6.496	0	%100
73	MP2B	X	3.751	3.751	0	%100
74	MP2B	Z	6.496	6.496	0	%100
75	MP3B	X	3.751	3.751	0	%100
76	MP3B	Z	6.496	6.496	0	%100
77	MP4B	X	3.751	3.751	0	%100
78	MP4B	Z	6.496	6.496	0	%100
79	M94	X	1.466	1.466	0	%100
80	M94	Z	2.54	2.54	0	%100
81	M95	X	5.865	5.865	0	%100
82	M95	Z	10.159	10.159	0	%100
83	M96	X	1.466	1.466	0	%100
84	M96	Z	2.54	2.54	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	15.792	15.792	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	9.874	9.874	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	15.792	15.792	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	9.874	9.874	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	3.948	3.948	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	.000763	.000763	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	3.948	3.948	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	10.048	10.048	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	7.208	7.208	0	%100
21	M15	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.%]
22	M15	Z	3.948	3.948	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	10.048	10.048	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	3.948	3.948	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	.000763	.000763	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	7.208	7.208	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	7.501	7.501	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	12.305	12.305	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	1.875	1.875	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	3.076	3.076	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	1.875	1.875	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	3.076	3.076	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	1.442	1.442	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	1.442	1.442	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	5.77	5.77	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	2.159	2.159	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	2.159	2.159	0	%100
53	M45	X	0	0	0	%100
54	M45	Z	8.636	8.636	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	7.501	7.501	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	7.501	7.501	0	%100
59	MP3A	X	0	0	0	%100
60	MP3A	Z	7.501	7.501	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	7.501	7.501	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	7.501	7.501	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	7.501	7.501	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	7.501	7.501	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	7.501	7.501	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	7.501	7.501	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	7.501	7.501	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	7.501	7.501	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	7.501	7.501	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.%]
79	M94	X	0	0	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	8.798	8.798	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	8.798	8.798	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-5.922	-5.922	0	%100
2	M1	Z	10.257	10.257	0	%100
3	M2	X	-6.641	-6.641	0	%100
4	M2	Z	11.502	11.502	0	%100
5	M3	X	-5.922	-5.922	0	%100
6	M3	Z	10.257	10.257	0	%100
7	M4	X	-1.617	-1.617	0	%100
8	M4	Z	2.801	2.801	0	%100
9	M5	X	-1.201	-1.201	0	%100
10	M5	Z	2.081	2.081	0	%100
11	M8	X	-5.922	-5.922	0	%100
12	M8	Z	10.257	10.257	0	%100
13	M9	X	-1.617	-1.617	0	%100
14	M9	Z	2.801	2.801	0	%100
15	M10	X	-5.922	-5.922	0	%100
16	M10	Z	10.257	10.257	0	%100
17	M11	X	-6.641	-6.641	0	%100
18	M11	Z	11.502	11.502	0	%100
19	M12	X	-1.201	-1.201	0	%100
20	M12	Z	2.081	2.081	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-1.704	-1.704	0	%100
24	M16	Z	2.952	2.952	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-1.704	-1.704	0	%100
28	M18	Z	2.952	2.952	0	%100
29	M19	X	-4.805	-4.805	0	%100
30	M19	Z	8.323	8.323	0	%100
31	M28	X	-2.813	-2.813	0	%100
32	M28	Z	4.872	4.872	0	%100
33	M29	X	-4.614	-4.614	0	%100
34	M29	Z	7.992	7.992	0	%100
35	M30	X	-2.813	-2.813	0	%100
36	M30	Z	4.872	4.872	0	%100
37	M31	X	-4.614	-4.614	0	%100
38	M31	Z	7.992	7.992	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-2.164	-2.164	0	%100
44	M34	Z	3.748	3.748	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	-2.164	-2.164	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, %]
48	M36	Z	3.748	3.748	0	%100
49	M43	X	-3.239	-3.239	0	%100
50	M43	Z	5.609	5.609	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	0	0	0	%100
53	M45	X	-3.239	-3.239	0	%100
54	M45	Z	5.609	5.609	0	%100
55	MP1A	X	-3.751	-3.751	0	%100
56	MP1A	Z	6.496	6.496	0	%100
57	MP2A	X	-3.751	-3.751	0	%100
58	MP2A	Z	6.496	6.496	0	%100
59	MP3A	X	-3.751	-3.751	0	%100
60	MP3A	Z	6.496	6.496	0	%100
61	MP4A	X	-3.751	-3.751	0	%100
62	MP4A	Z	6.496	6.496	0	%100
63	MP1C	X	-3.751	-3.751	0	%100
64	MP1C	Z	6.496	6.496	0	%100
65	MP2C	X	-3.751	-3.751	0	%100
66	MP2C	Z	6.496	6.496	0	%100
67	MP3C	X	-3.751	-3.751	0	%100
68	MP3C	Z	6.496	6.496	0	%100
69	MP4C	X	-3.751	-3.751	0	%100
70	MP4C	Z	6.496	6.496	0	%100
71	MP1B	X	-3.751	-3.751	0	%100
72	MP1B	Z	6.496	6.496	0	%100
73	MP2B	X	-3.751	-3.751	0	%100
74	MP2B	Z	6.496	6.496	0	%100
75	MP3B	X	-3.751	-3.751	0	%100
76	MP3B	Z	6.496	6.496	0	%100
77	MP4B	X	-3.751	-3.751	0	%100
78	MP4B	Z	6.496	6.496	0	%100
79	M94	X	-1.466	-1.466	0	%100
80	M94	Z	2.54	2.54	0	%100
81	M95	X	-1.466	-1.466	0	%100
82	M95	Z	2.54	2.54	0	%100
83	M96	X	-5.865	-5.865	0	%100
84	M96	Z	10.159	10.159	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-3.419	-3.419	0	%100
2	M1	Z	1.974	1.974	0	%100
3	M2	X	-8.702	-8.702	0	%100
4	M2	Z	5.024	5.024	0	%100
5	M3	X	-3.419	-3.419	0	%100
6	M3	Z	1.974	1.974	0	%100
7	M4	X	-.000661	-.000661	0	%100
8	M4	Z	.000381	.000381	0	%100
9	M5	X	-6.242	-6.242	0	%100
10	M5	Z	3.604	3.604	0	%100
11	M8	X	-13.676	-13.676	0	%100
12	M8	Z	7.896	7.896	0	%100
13	M9	X	-8.551	-8.551	0	%100
14	M9	Z	4.937	4.937	0	%100
15	M10	X	-13.676	-13.676	0	%100
16	M10	Z	7.896	7.896	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, %]
17	M11	X	-8.551	-8.551	0	%100
18	M11	Z	4.937	4.937	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	0	0	0	%100
21	M15	X	-3.419	-3.419	0	%100
22	M15	Z	1.974	1.974	0	%100
23	M16	X	-.000661	-.000661	0	%100
24	M16	Z	.000381	.000381	0	%100
25	M17	X	-3.419	-3.419	0	%100
26	M17	Z	1.974	1.974	0	%100
27	M18	X	-8.702	-8.702	0	%100
28	M18	Z	5.024	5.024	0	%100
29	M19	X	-6.242	-6.242	0	%100
30	M19	Z	3.604	3.604	0	%100
31	M28	X	-1.624	-1.624	0	%100
32	M28	Z	.938	.938	0	%100
33	M29	X	-2.664	-2.664	0	%100
34	M29	Z	1.538	1.538	0	%100
35	M30	X	-6.496	-6.496	0	%100
36	M30	Z	3.751	3.751	0	%100
37	M31	X	-10.656	-10.656	0	%100
38	M31	Z	6.153	6.153	0	%100
39	M32	X	-1.624	-1.624	0	%100
40	M32	Z	.938	.938	0	%100
41	M33	X	-2.664	-2.664	0	%100
42	M33	Z	1.538	1.538	0	%100
43	M34	X	-4.997	-4.997	0	%100
44	M34	Z	2.885	2.885	0	%100
45	M35	X	-1.249	-1.249	0	%100
46	M35	Z	.721	.721	0	%100
47	M36	X	-1.249	-1.249	0	%100
48	M36	Z	.721	.721	0	%100
49	M43	X	-7.479	-7.479	0	%100
50	M43	Z	4.318	4.318	0	%100
51	M44	X	-1.87	-1.87	0	%100
52	M44	Z	1.08	1.08	0	%100
53	M45	X	-1.87	-1.87	0	%100
54	M45	Z	1.08	1.08	0	%100
55	MP1A	X	-6.496	-6.496	0	%100
56	MP1A	Z	3.751	3.751	0	%100
57	MP2A	X	-6.496	-6.496	0	%100
58	MP2A	Z	3.751	3.751	0	%100
59	MP3A	X	-6.496	-6.496	0	%100
60	MP3A	Z	3.751	3.751	0	%100
61	MP4A	X	-6.496	-6.496	0	%100
62	MP4A	Z	3.751	3.751	0	%100
63	MP1C	X	-6.496	-6.496	0	%100
64	MP1C	Z	3.751	3.751	0	%100
65	MP2C	X	-6.496	-6.496	0	%100
66	MP2C	Z	3.751	3.751	0	%100
67	MP3C	X	-6.496	-6.496	0	%100
68	MP3C	Z	3.751	3.751	0	%100
69	MP4C	X	-6.496	-6.496	0	%100
70	MP4C	Z	3.751	3.751	0	%100
71	MP1B	X	-6.496	-6.496	0	%100
72	MP1B	Z	3.751	3.751	0	%100
73	MP2B	X	-6.496	-6.496	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.%,]
74	MP2B	Z	3.751	3.751	0	%100
75	MP3B	X	-6.496	-6.496	0	%100
76	MP3B	Z	3.751	3.751	0	%100
77	MP4B	X	-6.496	-6.496	0	%100
78	MP4B	Z	3.751	3.751	0	%100
79	M94	X	-7.619	-7.619	0	%100
80	M94	Z	4.399	4.399	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	-7.619	-7.619	0	%100
84	M96	Z	4.399	4.399	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-3.408	-3.408	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-3.408	-3.408	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-9.611	-9.611	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	-11.844	-11.844	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-13.281	-13.281	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-11.844	-11.844	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-3.234	-3.234	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-2.403	-2.403	0	%100
20	M12	Z	0	0	0	%100
21	M15	X	-11.844	-11.844	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-3.234	-3.234	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-11.844	-11.844	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-13.281	-13.281	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-2.403	-2.403	0	%100
30	M19	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	-5.626	-5.626	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-9.229	-9.229	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-5.626	-5.626	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-9.229	-9.229	0	%100
42	M33	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
43	M34	X	-4.327	-4.327	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-4.327	-4.327	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M43	X	-6.477	-6.477	0	%100
50	M43	Z	0	0	0	%100
51	M44	X	-6.477	-6.477	0	%100
52	M44	Z	0	0	0	%100
53	M45	X	0	0	0	%100
54	M45	Z	0	0	0	%100
55	MP1A	X	-7.501	-7.501	0	%100
56	MP1A	Z	0	0	0	%100
57	MP2A	X	-7.501	-7.501	0	%100
58	MP2A	Z	0	0	0	%100
59	MP3A	X	-7.501	-7.501	0	%100
60	MP3A	Z	0	0	0	%100
61	MP4A	X	-7.501	-7.501	0	%100
62	MP4A	Z	0	0	0	%100
63	MP1C	X	-7.501	-7.501	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	-7.501	-7.501	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	-7.501	-7.501	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	-7.501	-7.501	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	-7.501	-7.501	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	-7.501	-7.501	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	-7.501	-7.501	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	-7.501	-7.501	0	%100
78	MP4B	Z	0	0	0	%100
79	M94	X	-11.731	-11.731	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	-2.933	-2.933	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	-2.933	-2.933	0	%100
84	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-3.419	-3.419	0	%100
2	M1	Z	-1.974	-1.974	0	%100
3	M2	X	-0.00661	-0.00661	0	%100
4	M2	Z	-0.00381	-0.00381	0	%100
5	M3	X	-3.419	-3.419	0	%100
6	M3	Z	-1.974	-1.974	0	%100
7	M4	X	-8.702	-8.702	0	%100
8	M4	Z	-5.024	-5.024	0	%100
9	M5	X	-6.242	-6.242	0	%100
10	M5	Z	-3.604	-3.604	0	%100
11	M8	X	-3.419	-3.419	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
12	M8	Z	-1.974	-1.974	0	%100
13	M9	X	-8.702	-8.702	0	%100
14	M9	Z	-5.024	-5.024	0	%100
15	M10	X	-3.419	-3.419	0	%100
16	M10	Z	-1.974	-1.974	0	%100
17	M11	X	-0.00661	-0.00661	0	%100
18	M11	Z	-0.00381	-0.00381	0	%100
19	M12	X	-6.242	-6.242	0	%100
20	M12	Z	-3.604	-3.604	0	%100
21	M15	X	-13.676	-13.676	0	%100
22	M15	Z	-7.896	-7.896	0	%100
23	M16	X	-8.551	-8.551	0	%100
24	M16	Z	-4.937	-4.937	0	%100
25	M17	X	-13.676	-13.676	0	%100
26	M17	Z	-7.896	-7.896	0	%100
27	M18	X	-8.551	-8.551	0	%100
28	M18	Z	-4.937	-4.937	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M28	X	-1.624	-1.624	0	%100
32	M28	Z	-0.938	-0.938	0	%100
33	M29	X	-2.664	-2.664	0	%100
34	M29	Z	-1.538	-1.538	0	%100
35	M30	X	-1.624	-1.624	0	%100
36	M30	Z	-0.938	-0.938	0	%100
37	M31	X	-2.664	-2.664	0	%100
38	M31	Z	-1.538	-1.538	0	%100
39	M32	X	-6.496	-6.496	0	%100
40	M32	Z	-3.751	-3.751	0	%100
41	M33	X	-10.656	-10.656	0	%100
42	M33	Z	-6.153	-6.153	0	%100
43	M34	X	-1.249	-1.249	0	%100
44	M34	Z	-0.721	-0.721	0	%100
45	M35	X	-4.997	-4.997	0	%100
46	M35	Z	-2.885	-2.885	0	%100
47	M36	X	-1.249	-1.249	0	%100
48	M36	Z	-0.721	-0.721	0	%100
49	M43	X	-1.87	-1.87	0	%100
50	M43	Z	-1.08	-1.08	0	%100
51	M44	X	-7.479	-7.479	0	%100
52	M44	Z	-4.318	-4.318	0	%100
53	M45	X	-1.87	-1.87	0	%100
54	M45	Z	-1.08	-1.08	0	%100
55	MP1A	X	-6.496	-6.496	0	%100
56	MP1A	Z	-3.751	-3.751	0	%100
57	MP2A	X	-6.496	-6.496	0	%100
58	MP2A	Z	-3.751	-3.751	0	%100
59	MP3A	X	-6.496	-6.496	0	%100
60	MP3A	Z	-3.751	-3.751	0	%100
61	MP4A	X	-6.496	-6.496	0	%100
62	MP4A	Z	-3.751	-3.751	0	%100
63	MP1C	X	-6.496	-6.496	0	%100
64	MP1C	Z	-3.751	-3.751	0	%100
65	MP2C	X	-6.496	-6.496	0	%100
66	MP2C	Z	-3.751	-3.751	0	%100
67	MP3C	X	-6.496	-6.496	0	%100
68	MP3C	Z	-3.751	-3.751	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
69	MP4C	X	-6.496	-6.496	0	%100
70	MP4C	Z	-3.751	-3.751	0	%100
71	MP1B	X	-6.496	-6.496	0	%100
72	MP1B	Z	-3.751	-3.751	0	%100
73	MP2B	X	-6.496	-6.496	0	%100
74	MP2B	Z	-3.751	-3.751	0	%100
75	MP3B	X	-6.496	-6.496	0	%100
76	MP3B	Z	-3.751	-3.751	0	%100
77	MP4B	X	-6.496	-6.496	0	%100
78	MP4B	Z	-3.751	-3.751	0	%100
79	M94	X	-7.619	-7.619	0	%100
80	M94	Z	-4.399	-4.399	0	%100
81	M95	X	-7.619	-7.619	0	%100
82	M95	Z	-4.399	-4.399	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-5.922	-5.922	0	%100
2	M1	Z	-10.257	-10.257	0	%100
3	M2	X	-1.617	-1.617	0	%100
4	M2	Z	-2.801	-2.801	0	%100
5	M3	X	-5.922	-5.922	0	%100
6	M3	Z	-10.257	-10.257	0	%100
7	M4	X	-6.641	-6.641	0	%100
8	M4	Z	-11.502	-11.502	0	%100
9	M5	X	-1.201	-1.201	0	%100
10	M5	Z	-2.081	-2.081	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-1.704	-1.704	0	%100
14	M9	Z	-2.952	-2.952	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-1.704	-1.704	0	%100
18	M11	Z	-2.952	-2.952	0	%100
19	M12	X	-4.805	-4.805	0	%100
20	M12	Z	-8.323	-8.323	0	%100
21	M15	X	-5.922	-5.922	0	%100
22	M15	Z	-10.257	-10.257	0	%100
23	M16	X	-6.641	-6.641	0	%100
24	M16	Z	-11.502	-11.502	0	%100
25	M17	X	-5.922	-5.922	0	%100
26	M17	Z	-10.257	-10.257	0	%100
27	M18	X	-1.617	-1.617	0	%100
28	M18	Z	-2.801	-2.801	0	%100
29	M19	X	-1.201	-1.201	0	%100
30	M19	Z	-2.081	-2.081	0	%100
31	M28	X	-2.813	-2.813	0	%100
32	M28	Z	-4.872	-4.872	0	%100
33	M29	X	-4.614	-4.614	0	%100
34	M29	Z	-7.992	-7.992	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	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, %]
38	M31	Z	0	0	0	%100
39	M32	X	-2.813	-2.813	0	%100
40	M32	Z	-4.872	-4.872	0	%100
41	M33	X	-4.614	-4.614	0	%100
42	M33	Z	-7.992	-7.992	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-2.164	-2.164	0	%100
46	M35	Z	-3.748	-3.748	0	%100
47	M36	X	-2.164	-2.164	0	%100
48	M36	Z	-3.748	-3.748	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	0	0	0	%100
51	M44	X	-3.239	-3.239	0	%100
52	M44	Z	-5.609	-5.609	0	%100
53	M45	X	-3.239	-3.239	0	%100
54	M45	Z	-5.609	-5.609	0	%100
55	MP1A	X	-3.751	-3.751	0	%100
56	MP1A	Z	-6.496	-6.496	0	%100
57	MP2A	X	-3.751	-3.751	0	%100
58	MP2A	Z	-6.496	-6.496	0	%100
59	MP3A	X	-3.751	-3.751	0	%100
60	MP3A	Z	-6.496	-6.496	0	%100
61	MP4A	X	-3.751	-3.751	0	%100
62	MP4A	Z	-6.496	-6.496	0	%100
63	MP1C	X	-3.751	-3.751	0	%100
64	MP1C	Z	-6.496	-6.496	0	%100
65	MP2C	X	-3.751	-3.751	0	%100
66	MP2C	Z	-6.496	-6.496	0	%100
67	MP3C	X	-3.751	-3.751	0	%100
68	MP3C	Z	-6.496	-6.496	0	%100
69	MP4C	X	-3.751	-3.751	0	%100
70	MP4C	Z	-6.496	-6.496	0	%100
71	MP1B	X	-3.751	-3.751	0	%100
72	MP1B	Z	-6.496	-6.496	0	%100
73	MP2B	X	-3.751	-3.751	0	%100
74	MP2B	Z	-6.496	-6.496	0	%100
75	MP3B	X	-3.751	-3.751	0	%100
76	MP3B	Z	-6.496	-6.496	0	%100
77	MP4B	X	-3.751	-3.751	0	%100
78	MP4B	Z	-6.496	-6.496	0	%100
79	M94	X	-1.466	-1.466	0	%100
80	M94	Z	-2.54	-2.54	0	%100
81	M95	X	-5.865	-5.865	0	%100
82	M95	Z	-10.159	-10.159	0	%100
83	M96	X	-1.466	-1.466	0	%100
84	M96	Z	-2.54	-2.54	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-4.961	-4.961	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-3.018	-3.018	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-4.903	-4.903	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	M4	X	0	0	0	%100
8	M4	Z	-3.018	-3.018	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	-1.24	-1.24	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-0.000233	-0.000233	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-1.226	-1.226	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-3.072	-3.072	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	-2.253	-2.253	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	-1.24	-1.24	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-3.072	-3.072	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-1.226	-1.226	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-0.000233	-0.000233	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-2.253	-2.253	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-3.42	-3.42	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	-4.374	-4.374	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	-0.855	-0.855	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	-1.093	-1.093	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-0.855	-0.855	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	-1.093	-1.093	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	-0.621	-0.621	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	-0.621	-0.621	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	-2.484	-2.484	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	-0.707	-0.707	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	-0.707	-0.707	0	%100
53	M45	X	0	0	0	%100
54	M45	Z	-2.83	-2.83	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	-3.33	-3.33	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	-3.33	-3.33	0	%100
59	MP3A	X	0	0	0	%100
60	MP3A	Z	-3.33	-3.33	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	-3.33	-3.33	0	%100
63	MP1C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
64	MP1C	Z	-3.33	-3.33	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	-3.33	-3.33	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	-3.33	-3.33	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	-3.33	-3.33	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	-3.33	-3.33	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	-3.33	-3.33	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	-3.33	-3.33	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	-3.33	-3.33	0	%100
79	M94	X	0	0	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-2.642	-2.642	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	-2.642	-2.642	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.86	1.86	0	%100
2	M1	Z	-3.222	-3.222	0	%100
3	M2	X	2.03	2.03	0	%100
4	M2	Z	-3.516	-3.516	0	%100
5	M3	X	1.838	1.838	0	%100
6	M3	Z	-3.184	-3.184	0	%100
7	M4	X	.494	.494	0	%100
8	M4	Z	-.856	-.856	0	%100
9	M5	X	.376	.376	0	%100
10	M5	Z	-.65	-.65	0	%100
11	M8	X	1.86	1.86	0	%100
12	M8	Z	-3.222	-3.222	0	%100
13	M9	X	.494	.494	0	%100
14	M9	Z	-.856	-.856	0	%100
15	M10	X	1.838	1.838	0	%100
16	M10	Z	-3.184	-3.184	0	%100
17	M11	X	2.03	2.03	0	%100
18	M11	Z	-3.516	-3.516	0	%100
19	M12	X	.376	.376	0	%100
20	M12	Z	-.65	-.65	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	.521	.521	0	%100
24	M16	Z	-.902	-.902	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.521	.521	0	%100
28	M18	Z	-.902	-.902	0	%100
29	M19	X	1.502	1.502	0	%100
30	M19	Z	-2.602	-2.602	0	%100
31	M28	X	1.283	1.283	0	%100
32	M28	Z	-2.222	-2.222	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, %]
33	M29	X	1.64	1.64	0	%100
34	M29	Z	-2.841	-2.841	0	%100
35	M30	X	1.283	1.283	0	%100
36	M30	Z	-2.222	-2.222	0	%100
37	M31	X	1.64	1.64	0	%100
38	M31	Z	-2.841	-2.841	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	.931	.931	0	%100
44	M34	Z	-1.613	-1.613	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	.931	.931	0	%100
48	M36	Z	-1.613	-1.613	0	%100
49	M43	X	1.061	1.061	0	%100
50	M43	Z	-1.838	-1.838	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	0	0	0	%100
53	M45	X	1.061	1.061	0	%100
54	M45	Z	-1.838	-1.838	0	%100
55	MP1A	X	1.665	1.665	0	%100
56	MP1A	Z	-2.884	-2.884	0	%100
57	MP2A	X	1.665	1.665	0	%100
58	MP2A	Z	-2.884	-2.884	0	%100
59	MP3A	X	1.665	1.665	0	%100
60	MP3A	Z	-2.884	-2.884	0	%100
61	MP4A	X	1.665	1.665	0	%100
62	MP4A	Z	-2.884	-2.884	0	%100
63	MP1C	X	1.665	1.665	0	%100
64	MP1C	Z	-2.884	-2.884	0	%100
65	MP2C	X	1.665	1.665	0	%100
66	MP2C	Z	-2.884	-2.884	0	%100
67	MP3C	X	1.665	1.665	0	%100
68	MP3C	Z	-2.884	-2.884	0	%100
69	MP4C	X	1.665	1.665	0	%100
70	MP4C	Z	-2.884	-2.884	0	%100
71	MP1B	X	1.665	1.665	0	%100
72	MP1B	Z	-2.884	-2.884	0	%100
73	MP2B	X	1.665	1.665	0	%100
74	MP2B	Z	-2.884	-2.884	0	%100
75	MP3B	X	1.665	1.665	0	%100
76	MP3B	Z	-2.884	-2.884	0	%100
77	MP4B	X	1.665	1.665	0	%100
78	MP4B	Z	-2.884	-2.884	0	%100
79	M94	X	.44	.44	0	%100
80	M94	Z	-.763	-.763	0	%100
81	M95	X	.44	.44	0	%100
82	M95	Z	-.763	-.763	0	%100
83	M96	X	1.762	1.762	0	%100
84	M96	Z	-3.051	-3.051	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	1.074	1.074	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.%]
2	M1	Z	- .62	- .62	0	%100
3	M2	X	2.66	2.66	0	%100
4	M2	Z	-1.536	-1.536	0	%100
5	M3	X	1.061	1.061	0	%100
6	M3	Z	- .613	- .613	0	%100
7	M4	X	.000202	.000202	0	%100
8	M4	Z	- .000117	- .000117	0	%100
9	M5	X	1.951	1.951	0	%100
10	M5	Z	-1.127	-1.127	0	%100
11	M8	X	4.296	4.296	0	%100
12	M8	Z	-2.48	-2.48	0	%100
13	M9	X	2.614	2.614	0	%100
14	M9	Z	-1.509	-1.509	0	%100
15	M10	X	4.246	4.246	0	%100
16	M10	Z	-2.451	-2.451	0	%100
17	M11	X	2.614	2.614	0	%100
18	M11	Z	-1.509	-1.509	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	0	0	0	%100
21	M15	X	1.074	1.074	0	%100
22	M15	Z	- .62	- .62	0	%100
23	M16	X	.000202	.000202	0	%100
24	M16	Z	- .000117	- .000117	0	%100
25	M17	X	1.061	1.061	0	%100
26	M17	Z	- .613	- .613	0	%100
27	M18	X	2.66	2.66	0	%100
28	M18	Z	-1.536	-1.536	0	%100
29	M19	X	1.951	1.951	0	%100
30	M19	Z	-1.127	-1.127	0	%100
31	M28	X	.741	.741	0	%100
32	M28	Z	- .428	- .428	0	%100
33	M29	X	.947	.947	0	%100
34	M29	Z	- .547	- .547	0	%100
35	M30	X	2.962	2.962	0	%100
36	M30	Z	-1.71	-1.71	0	%100
37	M31	X	3.788	3.788	0	%100
38	M31	Z	-2.187	-2.187	0	%100
39	M32	X	.741	.741	0	%100
40	M32	Z	- .428	- .428	0	%100
41	M33	X	.947	.947	0	%100
42	M33	Z	- .547	- .547	0	%100
43	M34	X	2.151	2.151	0	%100
44	M34	Z	-1.242	-1.242	0	%100
45	M35	X	.538	.538	0	%100
46	M35	Z	- .31	- .31	0	%100
47	M36	X	.538	.538	0	%100
48	M36	Z	- .31	- .31	0	%100
49	M43	X	2.451	2.451	0	%100
50	M43	Z	-1.415	-1.415	0	%100
51	M44	X	.613	.613	0	%100
52	M44	Z	- .354	- .354	0	%100
53	M45	X	.613	.613	0	%100
54	M45	Z	- .354	- .354	0	%100
55	MP1A	X	2.884	2.884	0	%100
56	MP1A	Z	-1.665	-1.665	0	%100
57	MP2A	X	2.884	2.884	0	%100
58	MP2A	Z	-1.665	-1.665	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.%]
59	MP3A	X	2.884	2.884	0	%100
60	MP3A	Z	-1.665	-1.665	0	%100
61	MP4A	X	2.884	2.884	0	%100
62	MP4A	Z	-1.665	-1.665	0	%100
63	MP1C	X	2.884	2.884	0	%100
64	MP1C	Z	-1.665	-1.665	0	%100
65	MP2C	X	2.884	2.884	0	%100
66	MP2C	Z	-1.665	-1.665	0	%100
67	MP3C	X	2.884	2.884	0	%100
68	MP3C	Z	-1.665	-1.665	0	%100
69	MP4C	X	2.884	2.884	0	%100
70	MP4C	Z	-1.665	-1.665	0	%100
71	MP1B	X	2.884	2.884	0	%100
72	MP1B	Z	-1.665	-1.665	0	%100
73	MP2B	X	2.884	2.884	0	%100
74	MP2B	Z	-1.665	-1.665	0	%100
75	MP3B	X	2.884	2.884	0	%100
76	MP3B	Z	-1.665	-1.665	0	%100
77	MP4B	X	2.884	2.884	0	%100
78	MP4B	Z	-1.665	-1.665	0	%100
79	M94	X	2.288	2.288	0	%100
80	M94	Z	-1.321	-1.321	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	2.288	2.288	0	%100
84	M96	Z	-1.321	-1.321	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	1.042	1.042	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	1.042	1.042	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	3.004	3.004	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	3.721	3.721	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	4.06	4.06	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	3.677	3.677	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	.989	.989	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	.751	.751	0	%100
20	M12	Z	0	0	0	%100
21	M15	X	3.721	3.721	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	.989	.989	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	3.677	3.677	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	4.06	4.06	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.%]
28	M18	Z	0	0	0	%100
29	M19	X	.751	.751	0	%100
30	M19	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	2.565	2.565	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	3.28	3.28	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	2.565	2.565	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	3.28	3.28	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	1.863	1.863	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	1.863	1.863	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M43	X	2.122	2.122	0	%100
50	M43	Z	0	0	0	%100
51	M44	X	2.122	2.122	0	%100
52	M44	Z	0	0	0	%100
53	M45	X	0	0	0	%100
54	M45	Z	0	0	0	%100
55	MP1A	X	3.33	3.33	0	%100
56	MP1A	Z	0	0	0	%100
57	MP2A	X	3.33	3.33	0	%100
58	MP2A	Z	0	0	0	%100
59	MP3A	X	3.33	3.33	0	%100
60	MP3A	Z	0	0	0	%100
61	MP4A	X	3.33	3.33	0	%100
62	MP4A	Z	0	0	0	%100
63	MP1C	X	3.33	3.33	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	3.33	3.33	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	3.33	3.33	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	3.33	3.33	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	3.33	3.33	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	3.33	3.33	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	3.33	3.33	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	3.33	3.33	0	%100
78	MP4B	Z	0	0	0	%100
79	M94	X	3.523	3.523	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	.881	.881	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	.881	.881	0	%100
84	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.074	1.074	0	%100
2	M1	Z	.62	.62	0	%100
3	M2	X	.000202	.000202	0	%100
4	M2	Z	.000117	.000117	0	%100
5	M3	X	1.061	1.061	0	%100
6	M3	Z	.613	.613	0	%100
7	M4	X	2.66	2.66	0	%100
8	M4	Z	1.536	1.536	0	%100
9	M5	X	1.951	1.951	0	%100
10	M5	Z	1.127	1.127	0	%100
11	M8	X	1.074	1.074	0	%100
12	M8	Z	.62	.62	0	%100
13	M9	X	2.66	2.66	0	%100
14	M9	Z	1.536	1.536	0	%100
15	M10	X	1.061	1.061	0	%100
16	M10	Z	.613	.613	0	%100
17	M11	X	.000202	.000202	0	%100
18	M11	Z	.000117	.000117	0	%100
19	M12	X	1.951	1.951	0	%100
20	M12	Z	1.127	1.127	0	%100
21	M15	X	4.296	4.296	0	%100
22	M15	Z	2.48	2.48	0	%100
23	M16	X	2.614	2.614	0	%100
24	M16	Z	1.509	1.509	0	%100
25	M17	X	4.246	4.246	0	%100
26	M17	Z	2.451	2.451	0	%100
27	M18	X	2.614	2.614	0	%100
28	M18	Z	1.509	1.509	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M28	X	.741	.741	0	%100
32	M28	Z	.428	.428	0	%100
33	M29	X	.947	.947	0	%100
34	M29	Z	.547	.547	0	%100
35	M30	X	.741	.741	0	%100
36	M30	Z	.428	.428	0	%100
37	M31	X	.947	.947	0	%100
38	M31	Z	.547	.547	0	%100
39	M32	X	2.962	2.962	0	%100
40	M32	Z	1.71	1.71	0	%100
41	M33	X	3.788	3.788	0	%100
42	M33	Z	2.187	2.187	0	%100
43	M34	X	.538	.538	0	%100
44	M34	Z	.31	.31	0	%100
45	M35	X	2.151	2.151	0	%100
46	M35	Z	1.242	1.242	0	%100
47	M36	X	.538	.538	0	%100
48	M36	Z	.31	.31	0	%100
49	M43	X	.613	.613	0	%100
50	M43	Z	.354	.354	0	%100
51	M44	X	2.451	2.451	0	%100
52	M44	Z	1.415	1.415	0	%100
53	M45	X	.613	.613	0	%100
54	M45	Z	.354	.354	0	%100
55	MP1A	X	2.884	2.884	0	%100
56	MP1A	Z	1.665	1.665	0	%100
57	MP2A	X	2.884	2.884	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	MP2A	Z	1.665	1.665	0	%100
59	MP3A	X	2.884	2.884	0	%100
60	MP3A	Z	1.665	1.665	0	%100
61	MP4A	X	2.884	2.884	0	%100
62	MP4A	Z	1.665	1.665	0	%100
63	MP1C	X	2.884	2.884	0	%100
64	MP1C	Z	1.665	1.665	0	%100
65	MP2C	X	2.884	2.884	0	%100
66	MP2C	Z	1.665	1.665	0	%100
67	MP3C	X	2.884	2.884	0	%100
68	MP3C	Z	1.665	1.665	0	%100
69	MP4C	X	2.884	2.884	0	%100
70	MP4C	Z	1.665	1.665	0	%100
71	MP1B	X	2.884	2.884	0	%100
72	MP1B	Z	1.665	1.665	0	%100
73	MP2B	X	2.884	2.884	0	%100
74	MP2B	Z	1.665	1.665	0	%100
75	MP3B	X	2.884	2.884	0	%100
76	MP3B	Z	1.665	1.665	0	%100
77	MP4B	X	2.884	2.884	0	%100
78	MP4B	Z	1.665	1.665	0	%100
79	M94	X	2.288	2.288	0	%100
80	M94	Z	1.321	1.321	0	%100
81	M95	X	2.288	2.288	0	%100
82	M95	Z	1.321	1.321	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	1.86	1.86	0	%100
2	M1	Z	3.222	3.222	0	%100
3	M2	X	.494	.494	0	%100
4	M2	Z	.856	.856	0	%100
5	M3	X	1.838	1.838	0	%100
6	M3	Z	3.184	3.184	0	%100
7	M4	X	2.03	2.03	0	%100
8	M4	Z	3.516	3.516	0	%100
9	M5	X	.376	.376	0	%100
10	M5	Z	.65	.65	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	.521	.521	0	%100
14	M9	Z	.902	.902	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	.521	.521	0	%100
18	M11	Z	.902	.902	0	%100
19	M12	X	1.502	1.502	0	%100
20	M12	Z	2.602	2.602	0	%100
21	M15	X	1.86	1.86	0	%100
22	M15	Z	3.222	3.222	0	%100
23	M16	X	2.03	2.03	0	%100
24	M16	Z	3.516	3.516	0	%100
25	M17	X	1.838	1.838	0	%100
26	M17	Z	3.184	3.184	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. %]
27	M18	X	.494	.494	0	%100
28	M18	Z	.856	.856	0	%100
29	M19	X	.376	.376	0	%100
30	M19	Z	.65	.65	0	%100
31	M28	X	1.283	1.283	0	%100
32	M28	Z	2.222	2.222	0	%100
33	M29	X	1.64	1.64	0	%100
34	M29	Z	2.841	2.841	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	1.283	1.283	0	%100
40	M32	Z	2.222	2.222	0	%100
41	M33	X	1.64	1.64	0	%100
42	M33	Z	2.841	2.841	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	.931	.931	0	%100
46	M35	Z	1.613	1.613	0	%100
47	M36	X	.931	.931	0	%100
48	M36	Z	1.613	1.613	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	0	0	0	%100
51	M44	X	1.061	1.061	0	%100
52	M44	Z	1.838	1.838	0	%100
53	M45	X	1.061	1.061	0	%100
54	M45	Z	1.838	1.838	0	%100
55	MP1A	X	1.665	1.665	0	%100
56	MP1A	Z	2.884	2.884	0	%100
57	MP2A	X	1.665	1.665	0	%100
58	MP2A	Z	2.884	2.884	0	%100
59	MP3A	X	1.665	1.665	0	%100
60	MP3A	Z	2.884	2.884	0	%100
61	MP4A	X	1.665	1.665	0	%100
62	MP4A	Z	2.884	2.884	0	%100
63	MP1C	X	1.665	1.665	0	%100
64	MP1C	Z	2.884	2.884	0	%100
65	MP2C	X	1.665	1.665	0	%100
66	MP2C	Z	2.884	2.884	0	%100
67	MP3C	X	1.665	1.665	0	%100
68	MP3C	Z	2.884	2.884	0	%100
69	MP4C	X	1.665	1.665	0	%100
70	MP4C	Z	2.884	2.884	0	%100
71	MP1B	X	1.665	1.665	0	%100
72	MP1B	Z	2.884	2.884	0	%100
73	MP2B	X	1.665	1.665	0	%100
74	MP2B	Z	2.884	2.884	0	%100
75	MP3B	X	1.665	1.665	0	%100
76	MP3B	Z	2.884	2.884	0	%100
77	MP4B	X	1.665	1.665	0	%100
78	MP4B	Z	2.884	2.884	0	%100
79	M94	X	.44	.44	0	%100
80	M94	Z	.763	.763	0	%100
81	M95	X	1.762	1.762	0	%100
82	M95	Z	3.051	3.051	0	%100
83	M96	X	.44	.44	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.%]
84	M96	Z	.763	.763	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	4.961	4.961	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	3.018	3.018	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	4.903	4.903	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	3.018	3.018	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	1.24	1.24	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	.000233	.000233	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	1.226	1.226	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	3.072	3.072	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	2.253	2.253	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	1.24	1.24	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	3.072	3.072	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	1.226	1.226	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	.000233	.000233	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	2.253	2.253	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	3.42	3.42	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	4.374	4.374	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	.855	.855	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	1.093	1.093	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	.855	.855	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	1.093	1.093	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	.621	.621	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	.621	.621	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	2.484	2.484	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	.707	.707	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	.707	.707	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, %]
53	M45	X	0	0	0	%100
54	M45	Z	2.83	2.83	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	3.33	3.33	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	3.33	3.33	0	%100
59	MP3A	X	0	0	0	%100
60	MP3A	Z	3.33	3.33	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	3.33	3.33	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	3.33	3.33	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	3.33	3.33	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	3.33	3.33	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	3.33	3.33	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	3.33	3.33	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	3.33	3.33	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	3.33	3.33	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	3.33	3.33	0	%100
79	M94	X	0	0	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	2.642	2.642	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	2.642	2.642	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-1.86	-1.86	0	%100
2	M1	Z	3.222	3.222	0	%100
3	M2	X	-2.03	-2.03	0	%100
4	M2	Z	3.516	3.516	0	%100
5	M3	X	-1.838	-1.838	0	%100
6	M3	Z	3.184	3.184	0	%100
7	M4	X	-.494	-.494	0	%100
8	M4	Z	.856	.856	0	%100
9	M5	X	-.376	-.376	0	%100
10	M5	Z	.65	.65	0	%100
11	M8	X	-1.86	-1.86	0	%100
12	M8	Z	3.222	3.222	0	%100
13	M9	X	-.494	-.494	0	%100
14	M9	Z	.856	.856	0	%100
15	M10	X	-1.838	-1.838	0	%100
16	M10	Z	3.184	3.184	0	%100
17	M11	X	-2.03	-2.03	0	%100
18	M11	Z	3.516	3.516	0	%100
19	M12	X	-.376	-.376	0	%100
20	M12	Z	.65	.65	0	%100
21	M15	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
22	M15	Z	0	0	0	%100
23	M16	X	-.521	-.521	0	%100
24	M16	Z	.902	.902	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-.521	-.521	0	%100
28	M18	Z	.902	.902	0	%100
29	M19	X	-1.502	-1.502	0	%100
30	M19	Z	2.602	2.602	0	%100
31	M28	X	-1.283	-1.283	0	%100
32	M28	Z	2.222	2.222	0	%100
33	M29	X	-1.64	-1.64	0	%100
34	M29	Z	2.841	2.841	0	%100
35	M30	X	-1.283	-1.283	0	%100
36	M30	Z	2.222	2.222	0	%100
37	M31	X	-1.64	-1.64	0	%100
38	M31	Z	2.841	2.841	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-.931	-.931	0	%100
44	M34	Z	1.613	1.613	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	-.931	-.931	0	%100
48	M36	Z	1.613	1.613	0	%100
49	M43	X	-1.061	-1.061	0	%100
50	M43	Z	1.838	1.838	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	0	0	0	%100
53	M45	X	-1.061	-1.061	0	%100
54	M45	Z	1.838	1.838	0	%100
55	MP1A	X	-1.665	-1.665	0	%100
56	MP1A	Z	2.884	2.884	0	%100
57	MP2A	X	-1.665	-1.665	0	%100
58	MP2A	Z	2.884	2.884	0	%100
59	MP3A	X	-1.665	-1.665	0	%100
60	MP3A	Z	2.884	2.884	0	%100
61	MP4A	X	-1.665	-1.665	0	%100
62	MP4A	Z	2.884	2.884	0	%100
63	MP1C	X	-1.665	-1.665	0	%100
64	MP1C	Z	2.884	2.884	0	%100
65	MP2C	X	-1.665	-1.665	0	%100
66	MP2C	Z	2.884	2.884	0	%100
67	MP3C	X	-1.665	-1.665	0	%100
68	MP3C	Z	2.884	2.884	0	%100
69	MP4C	X	-1.665	-1.665	0	%100
70	MP4C	Z	2.884	2.884	0	%100
71	MP1B	X	-1.665	-1.665	0	%100
72	MP1B	Z	2.884	2.884	0	%100
73	MP2B	X	-1.665	-1.665	0	%100
74	MP2B	Z	2.884	2.884	0	%100
75	MP3B	X	-1.665	-1.665	0	%100
76	MP3B	Z	2.884	2.884	0	%100
77	MP4B	X	-1.665	-1.665	0	%100
78	MP4B	Z	2.884	2.884	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.%]
79	M94	X	-.44	-.44	0	%100
80	M94	Z	.763	.763	0	%100
81	M95	X	-.44	-.44	0	%100
82	M95	Z	.763	.763	0	%100
83	M96	X	-1.762	-1.762	0	%100
84	M96	Z	3.051	3.051	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-1.074	-1.074	0	%100
2	M1	Z	.62	.62	0	%100
3	M2	X	-2.66	-2.66	0	%100
4	M2	Z	1.536	1.536	0	%100
5	M3	X	-1.061	-1.061	0	%100
6	M3	Z	.613	.613	0	%100
7	M4	X	-.000202	-.000202	0	%100
8	M4	Z	.000117	.000117	0	%100
9	M5	X	-1.951	-1.951	0	%100
10	M5	Z	1.127	1.127	0	%100
11	M8	X	-4.296	-4.296	0	%100
12	M8	Z	2.48	2.48	0	%100
13	M9	X	-2.614	-2.614	0	%100
14	M9	Z	1.509	1.509	0	%100
15	M10	X	-4.246	-4.246	0	%100
16	M10	Z	2.451	2.451	0	%100
17	M11	X	-2.614	-2.614	0	%100
18	M11	Z	1.509	1.509	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	0	0	0	%100
21	M15	X	-1.074	-1.074	0	%100
22	M15	Z	.62	.62	0	%100
23	M16	X	-.000202	-.000202	0	%100
24	M16	Z	.000117	.000117	0	%100
25	M17	X	-1.061	-1.061	0	%100
26	M17	Z	.613	.613	0	%100
27	M18	X	-2.66	-2.66	0	%100
28	M18	Z	1.536	1.536	0	%100
29	M19	X	-1.951	-1.951	0	%100
30	M19	Z	1.127	1.127	0	%100
31	M28	X	-.741	-.741	0	%100
32	M28	Z	.428	.428	0	%100
33	M29	X	-.947	-.947	0	%100
34	M29	Z	.547	.547	0	%100
35	M30	X	-2.962	-2.962	0	%100
36	M30	Z	1.71	1.71	0	%100
37	M31	X	-3.788	-3.788	0	%100
38	M31	Z	2.187	2.187	0	%100
39	M32	X	-.741	-.741	0	%100
40	M32	Z	.428	.428	0	%100
41	M33	X	-.947	-.947	0	%100
42	M33	Z	.547	.547	0	%100
43	M34	X	-2.151	-2.151	0	%100
44	M34	Z	1.242	1.242	0	%100
45	M35	X	-.538	-.538	0	%100
46	M35	Z	.31	.31	0	%100
47	M36	X	-.538	-.538	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, %]
48	M36	Z	.31	.31	0	%100
49	M43	X	-2.451	-2.451	0	%100
50	M43	Z	1.415	1.415	0	%100
51	M44	X	-.613	-.613	0	%100
52	M44	Z	.354	.354	0	%100
53	M45	X	-.613	-.613	0	%100
54	M45	Z	.354	.354	0	%100
55	MP1A	X	-2.884	-2.884	0	%100
56	MP1A	Z	1.665	1.665	0	%100
57	MP2A	X	-2.884	-2.884	0	%100
58	MP2A	Z	1.665	1.665	0	%100
59	MP3A	X	-2.884	-2.884	0	%100
60	MP3A	Z	1.665	1.665	0	%100
61	MP4A	X	-2.884	-2.884	0	%100
62	MP4A	Z	1.665	1.665	0	%100
63	MP1C	X	-2.884	-2.884	0	%100
64	MP1C	Z	1.665	1.665	0	%100
65	MP2C	X	-2.884	-2.884	0	%100
66	MP2C	Z	1.665	1.665	0	%100
67	MP3C	X	-2.884	-2.884	0	%100
68	MP3C	Z	1.665	1.665	0	%100
69	MP4C	X	-2.884	-2.884	0	%100
70	MP4C	Z	1.665	1.665	0	%100
71	MP1B	X	-2.884	-2.884	0	%100
72	MP1B	Z	1.665	1.665	0	%100
73	MP2B	X	-2.884	-2.884	0	%100
74	MP2B	Z	1.665	1.665	0	%100
75	MP3B	X	-2.884	-2.884	0	%100
76	MP3B	Z	1.665	1.665	0	%100
77	MP4B	X	-2.884	-2.884	0	%100
78	MP4B	Z	1.665	1.665	0	%100
79	M94	X	-2.288	-2.288	0	%100
80	M94	Z	1.321	1.321	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	-2.288	-2.288	0	%100
84	M96	Z	1.321	1.321	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-1.042	-1.042	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-1.042	-1.042	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-3.004	-3.004	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	-3.721	-3.721	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-4.06	-4.06	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-3.677	-3.677	0	%100
16	M10	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
17	M11	X	-989	-989	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-751	-751	0	%100
20	M12	Z	0	0	0	%100
21	M15	X	-3.721	-3.721	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-989	-989	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-3.677	-3.677	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-4.06	-4.06	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-751	-751	0	%100
30	M19	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	-2.565	-2.565	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-3.28	-3.28	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-2.565	-2.565	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-3.28	-3.28	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-1.863	-1.863	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-1.863	-1.863	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M43	X	-2.122	-2.122	0	%100
50	M43	Z	0	0	0	%100
51	M44	X	-2.122	-2.122	0	%100
52	M44	Z	0	0	0	%100
53	M45	X	0	0	0	%100
54	M45	Z	0	0	0	%100
55	MP1A	X	-3.33	-3.33	0	%100
56	MP1A	Z	0	0	0	%100
57	MP2A	X	-3.33	-3.33	0	%100
58	MP2A	Z	0	0	0	%100
59	MP3A	X	-3.33	-3.33	0	%100
60	MP3A	Z	0	0	0	%100
61	MP4A	X	-3.33	-3.33	0	%100
62	MP4A	Z	0	0	0	%100
63	MP1C	X	-3.33	-3.33	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	-3.33	-3.33	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	-3.33	-3.33	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	-3.33	-3.33	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	-3.33	-3.33	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	-3.33	-3.33	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.%]
74	MP2B	Z	0	0	0	%100
75	MP3B	X	-3.33	-3.33	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	-3.33	-3.33	0	%100
78	MP4B	Z	0	0	0	%100
79	M94	X	-3.523	-3.523	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	-.881	-.881	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	-.881	-.881	0	%100
84	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-1.074	-1.074	0	%100
2	M1	Z	-.62	-.62	0	%100
3	M2	X	-.000202	-.000202	0	%100
4	M2	Z	-.000117	-.000117	0	%100
5	M3	X	-1.061	-1.061	0	%100
6	M3	Z	-.613	-.613	0	%100
7	M4	X	-2.66	-2.66	0	%100
8	M4	Z	-1.536	-1.536	0	%100
9	M5	X	-1.951	-1.951	0	%100
10	M5	Z	-1.127	-1.127	0	%100
11	M8	X	-1.074	-1.074	0	%100
12	M8	Z	-.62	-.62	0	%100
13	M9	X	-2.66	-2.66	0	%100
14	M9	Z	-1.536	-1.536	0	%100
15	M10	X	-1.061	-1.061	0	%100
16	M10	Z	-.613	-.613	0	%100
17	M11	X	-.000202	-.000202	0	%100
18	M11	Z	-.000117	-.000117	0	%100
19	M12	X	-1.951	-1.951	0	%100
20	M12	Z	-1.127	-1.127	0	%100
21	M15	X	-4.296	-4.296	0	%100
22	M15	Z	-2.48	-2.48	0	%100
23	M16	X	-2.614	-2.614	0	%100
24	M16	Z	-1.509	-1.509	0	%100
25	M17	X	-4.246	-4.246	0	%100
26	M17	Z	-2.451	-2.451	0	%100
27	M18	X	-2.614	-2.614	0	%100
28	M18	Z	-1.509	-1.509	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M28	X	-.741	-.741	0	%100
32	M28	Z	-.428	-.428	0	%100
33	M29	X	-.947	-.947	0	%100
34	M29	Z	-.547	-.547	0	%100
35	M30	X	-.741	-.741	0	%100
36	M30	Z	-.428	-.428	0	%100
37	M31	X	-.947	-.947	0	%100
38	M31	Z	-.547	-.547	0	%100
39	M32	X	-2.962	-2.962	0	%100
40	M32	Z	-1.71	-1.71	0	%100
41	M33	X	-3.788	-3.788	0	%100
42	M33	Z	-2.187	-2.187	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, %]
43	M34	X	-538	-538	0	%100
44	M34	Z	-31	-31	0	%100
45	M35	X	-2.151	-2.151	0	%100
46	M35	Z	-1.242	-1.242	0	%100
47	M36	X	-538	-538	0	%100
48	M36	Z	-31	-31	0	%100
49	M43	X	-613	-613	0	%100
50	M43	Z	-354	-354	0	%100
51	M44	X	-2.451	-2.451	0	%100
52	M44	Z	-1.415	-1.415	0	%100
53	M45	X	-613	-613	0	%100
54	M45	Z	-354	-354	0	%100
55	MP1A	X	-2.884	-2.884	0	%100
56	MP1A	Z	-1.665	-1.665	0	%100
57	MP2A	X	-2.884	-2.884	0	%100
58	MP2A	Z	-1.665	-1.665	0	%100
59	MP3A	X	-2.884	-2.884	0	%100
60	MP3A	Z	-1.665	-1.665	0	%100
61	MP4A	X	-2.884	-2.884	0	%100
62	MP4A	Z	-1.665	-1.665	0	%100
63	MP1C	X	-2.884	-2.884	0	%100
64	MP1C	Z	-1.665	-1.665	0	%100
65	MP2C	X	-2.884	-2.884	0	%100
66	MP2C	Z	-1.665	-1.665	0	%100
67	MP3C	X	-2.884	-2.884	0	%100
68	MP3C	Z	-1.665	-1.665	0	%100
69	MP4C	X	-2.884	-2.884	0	%100
70	MP4C	Z	-1.665	-1.665	0	%100
71	MP1B	X	-2.884	-2.884	0	%100
72	MP1B	Z	-1.665	-1.665	0	%100
73	MP2B	X	-2.884	-2.884	0	%100
74	MP2B	Z	-1.665	-1.665	0	%100
75	MP3B	X	-2.884	-2.884	0	%100
76	MP3B	Z	-1.665	-1.665	0	%100
77	MP4B	X	-2.884	-2.884	0	%100
78	MP4B	Z	-1.665	-1.665	0	%100
79	M94	X	-2.288	-2.288	0	%100
80	M94	Z	-1.321	-1.321	0	%100
81	M95	X	-2.288	-2.288	0	%100
82	M95	Z	-1.321	-1.321	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-1.86	-1.86	0	%100
2	M1	Z	-3.222	-3.222	0	%100
3	M2	X	-.494	-.494	0	%100
4	M2	Z	-.856	-.856	0	%100
5	M3	X	-1.838	-1.838	0	%100
6	M3	Z	-3.184	-3.184	0	%100
7	M4	X	-2.03	-2.03	0	%100
8	M4	Z	-3.516	-3.516	0	%100
9	M5	X	-.376	-.376	0	%100
10	M5	Z	-.65	-.65	0	%100
11	M8	X	0	0	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.%]
12	M8	Z	0	0	0	%100
13	M9	X	-.521	-.521	0	%100
14	M9	Z	-.902	-.902	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-.521	-.521	0	%100
18	M11	Z	-.902	-.902	0	%100
19	M12	X	-1.502	-1.502	0	%100
20	M12	Z	-2.602	-2.602	0	%100
21	M15	X	-1.86	-1.86	0	%100
22	M15	Z	-3.222	-3.222	0	%100
23	M16	X	-2.03	-2.03	0	%100
24	M16	Z	-3.516	-3.516	0	%100
25	M17	X	-1.838	-1.838	0	%100
26	M17	Z	-3.184	-3.184	0	%100
27	M18	X	-.494	-.494	0	%100
28	M18	Z	-.856	-.856	0	%100
29	M19	X	-.376	-.376	0	%100
30	M19	Z	-.65	-.65	0	%100
31	M28	X	-1.283	-1.283	0	%100
32	M28	Z	-2.222	-2.222	0	%100
33	M29	X	-1.64	-1.64	0	%100
34	M29	Z	-2.841	-2.841	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-1.283	-1.283	0	%100
40	M32	Z	-2.222	-2.222	0	%100
41	M33	X	-1.64	-1.64	0	%100
42	M33	Z	-2.841	-2.841	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-.931	-.931	0	%100
46	M35	Z	-1.613	-1.613	0	%100
47	M36	X	-.931	-.931	0	%100
48	M36	Z	-1.613	-1.613	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	0	0	0	%100
51	M44	X	-1.061	-1.061	0	%100
52	M44	Z	-1.838	-1.838	0	%100
53	M45	X	-1.061	-1.061	0	%100
54	M45	Z	-1.838	-1.838	0	%100
55	MP1A	X	-1.665	-1.665	0	%100
56	MP1A	Z	-2.884	-2.884	0	%100
57	MP2A	X	-1.665	-1.665	0	%100
58	MP2A	Z	-2.884	-2.884	0	%100
59	MP3A	X	-1.665	-1.665	0	%100
60	MP3A	Z	-2.884	-2.884	0	%100
61	MP4A	X	-1.665	-1.665	0	%100
62	MP4A	Z	-2.884	-2.884	0	%100
63	MP1C	X	-1.665	-1.665	0	%100
64	MP1C	Z	-2.884	-2.884	0	%100
65	MP2C	X	-1.665	-1.665	0	%100
66	MP2C	Z	-2.884	-2.884	0	%100
67	MP3C	X	-1.665	-1.665	0	%100
68	MP3C	Z	-2.884	-2.884	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.%]
69	MP4C	X	-1.665	-1.665	0	%100
70	MP4C	Z	-2.884	-2.884	0	%100
71	MP1B	X	-1.665	-1.665	0	%100
72	MP1B	Z	-2.884	-2.884	0	%100
73	MP2B	X	-1.665	-1.665	0	%100
74	MP2B	Z	-2.884	-2.884	0	%100
75	MP3B	X	-1.665	-1.665	0	%100
76	MP3B	Z	-2.884	-2.884	0	%100
77	MP4B	X	-1.665	-1.665	0	%100
78	MP4B	Z	-2.884	-2.884	0	%100
79	M94	X	-.44	-.44	0	%100
80	M94	Z	-.763	-.763	0	%100
81	M95	X	-1.762	-1.762	0	%100
82	M95	Z	-3.051	-3.051	0	%100
83	M96	X	-.44	-.44	0	%100
84	M96	Z	-.763	-.763	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-1.056	-1.056	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.66	-.66	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-1.056	-1.056	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.66	-.66	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	-.264	-.264	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-5.1e-5	-5.1e-5	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-.264	-.264	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-.672	-.672	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	-.482	-.482	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	-.264	-.264	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-.672	-.672	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-.264	-.264	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-5.1e-5	-5.1e-5	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-.482	-.482	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-.502	-.502	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	-.823	-.823	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	-.125	-.125	0	%100
37	M31	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
38	M31	Z	-.206	-.206	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-.125	-.125	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	-.206	-.206	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	-.096	-.096	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	-.096	-.096	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	-.386	-.386	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	-.144	-.144	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	-.144	-.144	0	%100
53	M45	X	0	0	0	%100
54	M45	Z	-.578	-.578	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	-.502	-.502	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	-.502	-.502	0	%100
59	MP3A	X	0	0	0	%100
60	MP3A	Z	-.502	-.502	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	-.502	-.502	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	-.502	-.502	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	-.502	-.502	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	-.502	-.502	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	-.502	-.502	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	-.502	-.502	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	-.502	-.502	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	-.502	-.502	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	-.502	-.502	0	%100
79	M94	X	0	0	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-.588	-.588	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	-.588	-.588	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.396	.396	0	%100
2	M1	Z	-.686	-.686	0	%100
3	M2	X	.444	.444	0	%100
4	M2	Z	-.769	-.769	0	%100
5	M3	X	.396	.396	0	%100
6	M3	Z	-.686	-.686	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. %]
7	M4	X	.108	.108	0	%100
8	M4	Z	-.187	-.187	0	%100
9	M5	X	.08	.08	0	%100
10	M5	Z	-.139	-.139	0	%100
11	M8	X	.396	.396	0	%100
12	M8	Z	-.686	-.686	0	%100
13	M9	X	.108	.108	0	%100
14	M9	Z	-.187	-.187	0	%100
15	M10	X	.396	.396	0	%100
16	M10	Z	-.686	-.686	0	%100
17	M11	X	.444	.444	0	%100
18	M11	Z	-.769	-.769	0	%100
19	M12	X	.08	.08	0	%100
20	M12	Z	-.139	-.139	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	.114	.114	0	%100
24	M16	Z	-.197	-.197	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.114	.114	0	%100
28	M18	Z	-.197	-.197	0	%100
29	M19	X	.321	.321	0	%100
30	M19	Z	-.557	-.557	0	%100
31	M28	X	.188	.188	0	%100
32	M28	Z	-.326	-.326	0	%100
33	M29	X	.309	.309	0	%100
34	M29	Z	-.535	-.535	0	%100
35	M30	X	.188	.188	0	%100
36	M30	Z	-.326	-.326	0	%100
37	M31	X	.309	.309	0	%100
38	M31	Z	-.535	-.535	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	.145	.145	0	%100
44	M34	Z	-.251	-.251	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	.145	.145	0	%100
48	M36	Z	-.251	-.251	0	%100
49	M43	X	.217	.217	0	%100
50	M43	Z	-.375	-.375	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	0	0	0	%100
53	M45	X	.217	.217	0	%100
54	M45	Z	-.375	-.375	0	%100
55	MP1A	X	.251	.251	0	%100
56	MP1A	Z	-.434	-.434	0	%100
57	MP2A	X	.251	.251	0	%100
58	MP2A	Z	-.434	-.434	0	%100
59	MP3A	X	.251	.251	0	%100
60	MP3A	Z	-.434	-.434	0	%100
61	MP4A	X	.251	.251	0	%100
62	MP4A	Z	-.434	-.434	0	%100
63	MP1C	X	.251	.251	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.%]
64	MP1C	Z	-.434	-.434	0	%100
65	MP2C	X	.251	.251	0	%100
66	MP2C	Z	-.434	-.434	0	%100
67	MP3C	X	.251	.251	0	%100
68	MP3C	Z	-.434	-.434	0	%100
69	MP4C	X	.251	.251	0	%100
70	MP4C	Z	-.434	-.434	0	%100
71	MP1B	X	.251	.251	0	%100
72	MP1B	Z	-.434	-.434	0	%100
73	MP2B	X	.251	.251	0	%100
74	MP2B	Z	-.434	-.434	0	%100
75	MP3B	X	.251	.251	0	%100
76	MP3B	Z	-.434	-.434	0	%100
77	MP4B	X	.251	.251	0	%100
78	MP4B	Z	-.434	-.434	0	%100
79	M94	X	.098	.098	0	%100
80	M94	Z	-.17	-.17	0	%100
81	M95	X	.098	.098	0	%100
82	M95	Z	-.17	-.17	0	%100
83	M96	X	.392	.392	0	%100
84	M96	Z	-.679	-.679	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.229	.229	0	%100
2	M1	Z	-.132	-.132	0	%100
3	M2	X	.582	.582	0	%100
4	M2	Z	-.336	-.336	0	%100
5	M3	X	.229	.229	0	%100
6	M3	Z	-.132	-.132	0	%100
7	M4	X	4.4e-5	4.4e-5	0	%100
8	M4	Z	-2.6e-5	-2.6e-5	0	%100
9	M5	X	.418	.418	0	%100
10	M5	Z	-.241	-.241	0	%100
11	M8	X	.915	.915	0	%100
12	M8	Z	-.528	-.528	0	%100
13	M9	X	.572	.572	0	%100
14	M9	Z	-.33	-.33	0	%100
15	M10	X	.915	.915	0	%100
16	M10	Z	-.528	-.528	0	%100
17	M11	X	.572	.572	0	%100
18	M11	Z	-.33	-.33	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	0	0	0	%100
21	M15	X	.229	.229	0	%100
22	M15	Z	-.132	-.132	0	%100
23	M16	X	4.4e-5	4.4e-5	0	%100
24	M16	Z	-2.6e-5	-2.6e-5	0	%100
25	M17	X	.229	.229	0	%100
26	M17	Z	-.132	-.132	0	%100
27	M18	X	.582	.582	0	%100
28	M18	Z	-.336	-.336	0	%100
29	M19	X	.418	.418	0	%100
30	M19	Z	-.241	-.241	0	%100
31	M28	X	.109	.109	0	%100
32	M28	Z	-.063	-.063	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.%]
33	M29	X	.178	.178	0	%100
34	M29	Z	-.103	-.103	0	%100
35	M30	X	.434	.434	0	%100
36	M30	Z	-.251	-.251	0	%100
37	M31	X	.713	.713	0	%100
38	M31	Z	-.412	-.412	0	%100
39	M32	X	.109	.109	0	%100
40	M32	Z	-.063	-.063	0	%100
41	M33	X	.178	.178	0	%100
42	M33	Z	-.103	-.103	0	%100
43	M34	X	.334	.334	0	%100
44	M34	Z	-.193	-.193	0	%100
45	M35	X	.084	.084	0	%100
46	M35	Z	-.048	-.048	0	%100
47	M36	X	.084	.084	0	%100
48	M36	Z	-.048	-.048	0	%100
49	M43	X	.5	.5	0	%100
50	M43	Z	-.289	-.289	0	%100
51	M44	X	.125	.125	0	%100
52	M44	Z	-.072	-.072	0	%100
53	M45	X	.125	.125	0	%100
54	M45	Z	-.072	-.072	0	%100
55	MP1A	X	.434	.434	0	%100
56	MP1A	Z	-.251	-.251	0	%100
57	MP2A	X	.434	.434	0	%100
58	MP2A	Z	-.251	-.251	0	%100
59	MP3A	X	.434	.434	0	%100
60	MP3A	Z	-.251	-.251	0	%100
61	MP4A	X	.434	.434	0	%100
62	MP4A	Z	-.251	-.251	0	%100
63	MP1C	X	.434	.434	0	%100
64	MP1C	Z	-.251	-.251	0	%100
65	MP2C	X	.434	.434	0	%100
66	MP2C	Z	-.251	-.251	0	%100
67	MP3C	X	.434	.434	0	%100
68	MP3C	Z	-.251	-.251	0	%100
69	MP4C	X	.434	.434	0	%100
70	MP4C	Z	-.251	-.251	0	%100
71	MP1B	X	.434	.434	0	%100
72	MP1B	Z	-.251	-.251	0	%100
73	MP2B	X	.434	.434	0	%100
74	MP2B	Z	-.251	-.251	0	%100
75	MP3B	X	.434	.434	0	%100
76	MP3B	Z	-.251	-.251	0	%100
77	MP4B	X	.434	.434	0	%100
78	MP4B	Z	-.251	-.251	0	%100
79	M94	X	.51	.51	0	%100
80	M94	Z	-.294	-.294	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	.51	.51	0	%100
84	M96	Z	-.294	-.294	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
2	M1	Z	0	0	0	%100
3	M2	X	.228	.228	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.228	.228	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.643	.643	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	.792	.792	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	.888	.888	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	.792	.792	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	.216	.216	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	.161	.161	0	%100
20	M12	Z	0	0	0	%100
21	M15	X	.792	.792	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	.216	.216	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	.792	.792	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.888	.888	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	.161	.161	0	%100
30	M19	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	.376	.376	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	.617	.617	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	.376	.376	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	.617	.617	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	.289	.289	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	.289	.289	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M43	X	.433	.433	0	%100
50	M43	Z	0	0	0	%100
51	M44	X	.433	.433	0	%100
52	M44	Z	0	0	0	%100
53	M45	X	0	0	0	%100
54	M45	Z	0	0	0	%100
55	MP1A	X	.502	.502	0	%100
56	MP1A	Z	0	0	0	%100
57	MP2A	X	.502	.502	0	%100
58	MP2A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
59	MP3A	X	.502	.502	0	%100
60	MP3A	Z	0	0	0	%100
61	MP4A	X	.502	.502	0	%100
62	MP4A	Z	0	0	0	%100
63	MP1C	X	.502	.502	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	.502	.502	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	.502	.502	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	.502	.502	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	.502	.502	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	.502	.502	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	.502	.502	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	.502	.502	0	%100
78	MP4B	Z	0	0	0	%100
79	M94	X	.785	.785	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	.196	.196	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	.196	.196	0	%100
84	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.229	.229	0	%100
2	M1	Z	.132	.132	0	%100
3	M2	X	4.4e-5	4.4e-5	0	%100
4	M2	Z	2.6e-5	2.6e-5	0	%100
5	M3	X	.229	.229	0	%100
6	M3	Z	.132	.132	0	%100
7	M4	X	.582	.582	0	%100
8	M4	Z	.336	.336	0	%100
9	M5	X	.418	.418	0	%100
10	M5	Z	.241	.241	0	%100
11	M8	X	.229	.229	0	%100
12	M8	Z	.132	.132	0	%100
13	M9	X	.582	.582	0	%100
14	M9	Z	.336	.336	0	%100
15	M10	X	.229	.229	0	%100
16	M10	Z	.132	.132	0	%100
17	M11	X	4.4e-5	4.4e-5	0	%100
18	M11	Z	2.6e-5	2.6e-5	0	%100
19	M12	X	.418	.418	0	%100
20	M12	Z	.241	.241	0	%100
21	M15	X	.915	.915	0	%100
22	M15	Z	.528	.528	0	%100
23	M16	X	.572	.572	0	%100
24	M16	Z	.33	.33	0	%100
25	M17	X	.915	.915	0	%100
26	M17	Z	.528	.528	0	%100
27	M18	X	.572	.572	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
28	M18	Z	.33	.33	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M28	X	.109	.109	0	%100
32	M28	Z	.063	.063	0	%100
33	M29	X	.178	.178	0	%100
34	M29	Z	.103	.103	0	%100
35	M30	X	.109	.109	0	%100
36	M30	Z	.063	.063	0	%100
37	M31	X	.178	.178	0	%100
38	M31	Z	.103	.103	0	%100
39	M32	X	.434	.434	0	%100
40	M32	Z	.251	.251	0	%100
41	M33	X	.713	.713	0	%100
42	M33	Z	.412	.412	0	%100
43	M34	X	.084	.084	0	%100
44	M34	Z	.048	.048	0	%100
45	M35	X	.334	.334	0	%100
46	M35	Z	.193	.193	0	%100
47	M36	X	.084	.084	0	%100
48	M36	Z	.048	.048	0	%100
49	M43	X	.125	.125	0	%100
50	M43	Z	.072	.072	0	%100
51	M44	X	.5	.5	0	%100
52	M44	Z	.289	.289	0	%100
53	M45	X	.125	.125	0	%100
54	M45	Z	.072	.072	0	%100
55	MP1A	X	.434	.434	0	%100
56	MP1A	Z	.251	.251	0	%100
57	MP2A	X	.434	.434	0	%100
58	MP2A	Z	.251	.251	0	%100
59	MP3A	X	.434	.434	0	%100
60	MP3A	Z	.251	.251	0	%100
61	MP4A	X	.434	.434	0	%100
62	MP4A	Z	.251	.251	0	%100
63	MP1C	X	.434	.434	0	%100
64	MP1C	Z	.251	.251	0	%100
65	MP2C	X	.434	.434	0	%100
66	MP2C	Z	.251	.251	0	%100
67	MP3C	X	.434	.434	0	%100
68	MP3C	Z	.251	.251	0	%100
69	MP4C	X	.434	.434	0	%100
70	MP4C	Z	.251	.251	0	%100
71	MP1B	X	.434	.434	0	%100
72	MP1B	Z	.251	.251	0	%100
73	MP2B	X	.434	.434	0	%100
74	MP2B	Z	.251	.251	0	%100
75	MP3B	X	.434	.434	0	%100
76	MP3B	Z	.251	.251	0	%100
77	MP4B	X	.434	.434	0	%100
78	MP4B	Z	.251	.251	0	%100
79	M94	X	.51	.51	0	%100
80	M94	Z	.294	.294	0	%100
81	M95	X	.51	.51	0	%100
82	M95	Z	.294	.294	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.396	.396	0	%100
2	M1	Z	.686	.686	0	%100
3	M2	X	.108	.108	0	%100
4	M2	Z	.187	.187	0	%100
5	M3	X	.396	.396	0	%100
6	M3	Z	.686	.686	0	%100
7	M4	X	.444	.444	0	%100
8	M4	Z	.769	.769	0	%100
9	M5	X	.08	.08	0	%100
10	M5	Z	.139	.139	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	.114	.114	0	%100
14	M9	Z	.197	.197	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	.114	.114	0	%100
18	M11	Z	.197	.197	0	%100
19	M12	X	.321	.321	0	%100
20	M12	Z	.557	.557	0	%100
21	M15	X	.396	.396	0	%100
22	M15	Z	.686	.686	0	%100
23	M16	X	.444	.444	0	%100
24	M16	Z	.769	.769	0	%100
25	M17	X	.396	.396	0	%100
26	M17	Z	.686	.686	0	%100
27	M18	X	.108	.108	0	%100
28	M18	Z	.187	.187	0	%100
29	M19	X	.08	.08	0	%100
30	M19	Z	.139	.139	0	%100
31	M28	X	.188	.188	0	%100
32	M28	Z	.326	.326	0	%100
33	M29	X	.309	.309	0	%100
34	M29	Z	.535	.535	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	.188	.188	0	%100
40	M32	Z	.326	.326	0	%100
41	M33	X	.309	.309	0	%100
42	M33	Z	.535	.535	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	.145	.145	0	%100
46	M35	Z	.251	.251	0	%100
47	M36	X	.145	.145	0	%100
48	M36	Z	.251	.251	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	0	0	0	%100
51	M44	X	.217	.217	0	%100
52	M44	Z	.375	.375	0	%100
53	M45	X	.217	.217	0	%100
54	M45	Z	.375	.375	0	%100
55	MP1A	X	.251	.251	0	%100
56	MP1A	Z	.434	.434	0	%100
57	MP2A	X	.251	.251	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	MP2A	Z	.434	.434	0	%100
59	MP3A	X	.251	.251	0	%100
60	MP3A	Z	.434	.434	0	%100
61	MP4A	X	.251	.251	0	%100
62	MP4A	Z	.434	.434	0	%100
63	MP1C	X	.251	.251	0	%100
64	MP1C	Z	.434	.434	0	%100
65	MP2C	X	.251	.251	0	%100
66	MP2C	Z	.434	.434	0	%100
67	MP3C	X	.251	.251	0	%100
68	MP3C	Z	.434	.434	0	%100
69	MP4C	X	.251	.251	0	%100
70	MP4C	Z	.434	.434	0	%100
71	MP1B	X	.251	.251	0	%100
72	MP1B	Z	.434	.434	0	%100
73	MP2B	X	.251	.251	0	%100
74	MP2B	Z	.434	.434	0	%100
75	MP3B	X	.251	.251	0	%100
76	MP3B	Z	.434	.434	0	%100
77	MP4B	X	.251	.251	0	%100
78	MP4B	Z	.434	.434	0	%100
79	M94	X	.098	.098	0	%100
80	M94	Z	.17	.17	0	%100
81	M95	X	.392	.392	0	%100
82	M95	Z	.679	.679	0	%100
83	M96	X	.098	.098	0	%100
84	M96	Z	.17	.17	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	1.056	1.056	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.66	.66	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	1.056	1.056	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.66	.66	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	.264	.264	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	5.1e-5	5.1e-5	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	.264	.264	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	.672	.672	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	.482	.482	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	.264	.264	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	.672	.672	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	.264	.264	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.%]
27	M18	X	0	0	0	%100
28	M18	Z	5.1e-5	5.1e-5	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	.482	.482	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	.502	.502	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	.823	.823	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	.125	.125	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	.206	.206	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	.125	.125	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	.206	.206	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	.096	.096	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	.096	.096	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	.386	.386	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	.144	.144	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	.144	.144	0	%100
53	M45	X	0	0	0	%100
54	M45	Z	.578	.578	0	%100
55	MP1A	X	0	0	0	%100
56	MP1A	Z	.502	.502	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	.502	.502	0	%100
59	MP3A	X	0	0	0	%100
60	MP3A	Z	.502	.502	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	.502	.502	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	.502	.502	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	.502	.502	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	.502	.502	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	.502	.502	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	.502	.502	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	.502	.502	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	.502	.502	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	.502	.502	0	%100
79	M94	X	0	0	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	.588	.588	0	%100
83	M96	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
84	M96	Z	.588	.588	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.396	-.396	0	%100
2	M1	Z	.686	.686	0	%100
3	M2	X	-.444	-.444	0	%100
4	M2	Z	.769	.769	0	%100
5	M3	X	-.396	-.396	0	%100
6	M3	Z	.686	.686	0	%100
7	M4	X	-.108	-.108	0	%100
8	M4	Z	.187	.187	0	%100
9	M5	X	-.08	-.08	0	%100
10	M5	Z	.139	.139	0	%100
11	M8	X	-.396	-.396	0	%100
12	M8	Z	.686	.686	0	%100
13	M9	X	-.108	-.108	0	%100
14	M9	Z	.187	.187	0	%100
15	M10	X	-.396	-.396	0	%100
16	M10	Z	.686	.686	0	%100
17	M11	X	-.444	-.444	0	%100
18	M11	Z	.769	.769	0	%100
19	M12	X	-.08	-.08	0	%100
20	M12	Z	.139	.139	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-.114	-.114	0	%100
24	M16	Z	.197	.197	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-.114	-.114	0	%100
28	M18	Z	.197	.197	0	%100
29	M19	X	-.321	-.321	0	%100
30	M19	Z	.557	.557	0	%100
31	M28	X	-.188	-.188	0	%100
32	M28	Z	.326	.326	0	%100
33	M29	X	-.309	-.309	0	%100
34	M29	Z	.535	.535	0	%100
35	M30	X	-.188	-.188	0	%100
36	M30	Z	.326	.326	0	%100
37	M31	X	-.309	-.309	0	%100
38	M31	Z	.535	.535	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-.145	-.145	0	%100
44	M34	Z	.251	.251	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	-.145	-.145	0	%100
48	M36	Z	.251	.251	0	%100
49	M43	X	-.217	-.217	0	%100
50	M43	Z	.375	.375	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
53	M45	X	-.217	-.217	0	%100
54	M45	Z	.375	.375	0	%100
55	MP1A	X	-.251	-.251	0	%100
56	MP1A	Z	.434	.434	0	%100
57	MP2A	X	-.251	-.251	0	%100
58	MP2A	Z	.434	.434	0	%100
59	MP3A	X	-.251	-.251	0	%100
60	MP3A	Z	.434	.434	0	%100
61	MP4A	X	-.251	-.251	0	%100
62	MP4A	Z	.434	.434	0	%100
63	MP1C	X	-.251	-.251	0	%100
64	MP1C	Z	.434	.434	0	%100
65	MP2C	X	-.251	-.251	0	%100
66	MP2C	Z	.434	.434	0	%100
67	MP3C	X	-.251	-.251	0	%100
68	MP3C	Z	.434	.434	0	%100
69	MP4C	X	-.251	-.251	0	%100
70	MP4C	Z	.434	.434	0	%100
71	MP1B	X	-.251	-.251	0	%100
72	MP1B	Z	.434	.434	0	%100
73	MP2B	X	-.251	-.251	0	%100
74	MP2B	Z	.434	.434	0	%100
75	MP3B	X	-.251	-.251	0	%100
76	MP3B	Z	.434	.434	0	%100
77	MP4B	X	-.251	-.251	0	%100
78	MP4B	Z	.434	.434	0	%100
79	M94	X	-.098	-.098	0	%100
80	M94	Z	.17	.17	0	%100
81	M95	X	-.098	-.098	0	%100
82	M95	Z	.17	.17	0	%100
83	M96	X	-.392	-.392	0	%100
84	M96	Z	.679	.679	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.229	-.229	0	%100
2	M1	Z	.132	.132	0	%100
3	M2	X	-.582	-.582	0	%100
4	M2	Z	.336	.336	0	%100
5	M3	X	-.229	-.229	0	%100
6	M3	Z	.132	.132	0	%100
7	M4	X	-4.4e-5	-4.4e-5	0	%100
8	M4	Z	2.6e-5	2.6e-5	0	%100
9	M5	X	-.418	-.418	0	%100
10	M5	Z	.241	.241	0	%100
11	M8	X	-.915	-.915	0	%100
12	M8	Z	.528	.528	0	%100
13	M9	X	-.572	-.572	0	%100
14	M9	Z	.33	.33	0	%100
15	M10	X	-.915	-.915	0	%100
16	M10	Z	.528	.528	0	%100
17	M11	X	-.572	-.572	0	%100
18	M11	Z	.33	.33	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	0	0	0	%100
21	M15	X	-.229	-.229	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.%]
22	M15	Z	.132	.132	0	%100
23	M16	X	-4.4e-5	-4.4e-5	0	%100
24	M16	Z	2.6e-5	2.6e-5	0	%100
25	M17	X	-.229	-.229	0	%100
26	M17	Z	.132	.132	0	%100
27	M18	X	-.582	-.582	0	%100
28	M18	Z	.336	.336	0	%100
29	M19	X	-.418	-.418	0	%100
30	M19	Z	.241	.241	0	%100
31	M28	X	-.109	-.109	0	%100
32	M28	Z	.063	.063	0	%100
33	M29	X	-.178	-.178	0	%100
34	M29	Z	.103	.103	0	%100
35	M30	X	-.434	-.434	0	%100
36	M30	Z	.251	.251	0	%100
37	M31	X	-.713	-.713	0	%100
38	M31	Z	.412	.412	0	%100
39	M32	X	-.109	-.109	0	%100
40	M32	Z	.063	.063	0	%100
41	M33	X	-.178	-.178	0	%100
42	M33	Z	.103	.103	0	%100
43	M34	X	-.334	-.334	0	%100
44	M34	Z	.193	.193	0	%100
45	M35	X	-.084	-.084	0	%100
46	M35	Z	.048	.048	0	%100
47	M36	X	-.084	-.084	0	%100
48	M36	Z	.048	.048	0	%100
49	M43	X	-.5	-.5	0	%100
50	M43	Z	.289	.289	0	%100
51	M44	X	-.125	-.125	0	%100
52	M44	Z	.072	.072	0	%100
53	M45	X	-.125	-.125	0	%100
54	M45	Z	.072	.072	0	%100
55	MP1A	X	-.434	-.434	0	%100
56	MP1A	Z	.251	.251	0	%100
57	MP2A	X	-.434	-.434	0	%100
58	MP2A	Z	.251	.251	0	%100
59	MP3A	X	-.434	-.434	0	%100
60	MP3A	Z	.251	.251	0	%100
61	MP4A	X	-.434	-.434	0	%100
62	MP4A	Z	.251	.251	0	%100
63	MP1C	X	-.434	-.434	0	%100
64	MP1C	Z	.251	.251	0	%100
65	MP2C	X	-.434	-.434	0	%100
66	MP2C	Z	.251	.251	0	%100
67	MP3C	X	-.434	-.434	0	%100
68	MP3C	Z	.251	.251	0	%100
69	MP4C	X	-.434	-.434	0	%100
70	MP4C	Z	.251	.251	0	%100
71	MP1B	X	-.434	-.434	0	%100
72	MP1B	Z	.251	.251	0	%100
73	MP2B	X	-.434	-.434	0	%100
74	MP2B	Z	.251	.251	0	%100
75	MP3B	X	-.434	-.434	0	%100
76	MP3B	Z	.251	.251	0	%100
77	MP4B	X	-.434	-.434	0	%100
78	MP4B	Z	.251	.251	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.%,]
79	M94	X	-.51	-.51	0	%100
80	M94	Z	.294	.294	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	-.51	-.51	0	%100
84	M96	Z	.294	.294	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.228	-.228	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.228	-.228	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.643	-.643	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	-.792	-.792	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-.888	-.888	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-.792	-.792	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-.216	-.216	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-.161	-.161	0	%100
20	M12	Z	0	0	0	%100
21	M15	X	-.792	-.792	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-.216	-.216	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-.792	-.792	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-.888	-.888	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-.161	-.161	0	%100
30	M19	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	-.376	-.376	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-.617	-.617	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-.376	-.376	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-.617	-.617	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-.289	-.289	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-.289	-.289	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
48	M36	Z	0	0	0	%100
49	M43	X	-.433	-.433	0	%100
50	M43	Z	0	0	0	%100
51	M44	X	-.433	-.433	0	%100
52	M44	Z	0	0	0	%100
53	M45	X	0	0	0	%100
54	M45	Z	0	0	0	%100
55	MP1A	X	-.502	-.502	0	%100
56	MP1A	Z	0	0	0	%100
57	MP2A	X	-.502	-.502	0	%100
58	MP2A	Z	0	0	0	%100
59	MP3A	X	-.502	-.502	0	%100
60	MP3A	Z	0	0	0	%100
61	MP4A	X	-.502	-.502	0	%100
62	MP4A	Z	0	0	0	%100
63	MP1C	X	-.502	-.502	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	-.502	-.502	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	-.502	-.502	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	-.502	-.502	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	-.502	-.502	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	-.502	-.502	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	-.502	-.502	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	-.502	-.502	0	%100
78	MP4B	Z	0	0	0	%100
79	M94	X	-.785	-.785	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	-.196	-.196	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	-.196	-.196	0	%100
84	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.229	-.229	0	%100
2	M1	Z	-.132	-.132	0	%100
3	M2	X	-4.4e-5	-4.4e-5	0	%100
4	M2	Z	-2.6e-5	-2.6e-5	0	%100
5	M3	X	-.229	-.229	0	%100
6	M3	Z	-.132	-.132	0	%100
7	M4	X	-.582	-.582	0	%100
8	M4	Z	-.336	-.336	0	%100
9	M5	X	-.418	-.418	0	%100
10	M5	Z	-.241	-.241	0	%100
11	M8	X	-.229	-.229	0	%100
12	M8	Z	-.132	-.132	0	%100
13	M9	X	-.582	-.582	0	%100
14	M9	Z	-.336	-.336	0	%100
15	M10	X	-.229	-.229	0	%100
16	M10	Z	-.132	-.132	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.%]
17	M11	X	-4.4e-5	-4.4e-5	0	%100
18	M11	Z	-2.6e-5	-2.6e-5	0	%100
19	M12	X	-.418	-.418	0	%100
20	M12	Z	-.241	-.241	0	%100
21	M15	X	-.915	-.915	0	%100
22	M15	Z	-.528	-.528	0	%100
23	M16	X	-.572	-.572	0	%100
24	M16	Z	-.33	-.33	0	%100
25	M17	X	-.915	-.915	0	%100
26	M17	Z	-.528	-.528	0	%100
27	M18	X	-.572	-.572	0	%100
28	M18	Z	-.33	-.33	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M28	X	-.109	-.109	0	%100
32	M28	Z	-.063	-.063	0	%100
33	M29	X	-.178	-.178	0	%100
34	M29	Z	-.103	-.103	0	%100
35	M30	X	-.109	-.109	0	%100
36	M30	Z	-.063	-.063	0	%100
37	M31	X	-.178	-.178	0	%100
38	M31	Z	-.103	-.103	0	%100
39	M32	X	-.434	-.434	0	%100
40	M32	Z	-.251	-.251	0	%100
41	M33	X	-.713	-.713	0	%100
42	M33	Z	-.412	-.412	0	%100
43	M34	X	-.084	-.084	0	%100
44	M34	Z	-.048	-.048	0	%100
45	M35	X	-.334	-.334	0	%100
46	M35	Z	-.193	-.193	0	%100
47	M36	X	-.084	-.084	0	%100
48	M36	Z	-.048	-.048	0	%100
49	M43	X	-.125	-.125	0	%100
50	M43	Z	-.072	-.072	0	%100
51	M44	X	-.5	-.5	0	%100
52	M44	Z	-.289	-.289	0	%100
53	M45	X	-.125	-.125	0	%100
54	M45	Z	-.072	-.072	0	%100
55	MP1A	X	-.434	-.434	0	%100
56	MP1A	Z	-.251	-.251	0	%100
57	MP2A	X	-.434	-.434	0	%100
58	MP2A	Z	-.251	-.251	0	%100
59	MP3A	X	-.434	-.434	0	%100
60	MP3A	Z	-.251	-.251	0	%100
61	MP4A	X	-.434	-.434	0	%100
62	MP4A	Z	-.251	-.251	0	%100
63	MP1C	X	-.434	-.434	0	%100
64	MP1C	Z	-.251	-.251	0	%100
65	MP2C	X	-.434	-.434	0	%100
66	MP2C	Z	-.251	-.251	0	%100
67	MP3C	X	-.434	-.434	0	%100
68	MP3C	Z	-.251	-.251	0	%100
69	MP4C	X	-.434	-.434	0	%100
70	MP4C	Z	-.251	-.251	0	%100
71	MP1B	X	-.434	-.434	0	%100
72	MP1B	Z	-.251	-.251	0	%100
73	MP2B	X	-.434	-.434	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.%]
74	MP2B	Z	-.251	-.251	0	%100
75	MP3B	X	-.434	-.434	0	%100
76	MP3B	Z	-.251	-.251	0	%100
77	MP4B	X	-.434	-.434	0	%100
78	MP4B	Z	-.251	-.251	0	%100
79	M94	X	-.51	-.51	0	%100
80	M94	Z	-.294	-.294	0	%100
81	M95	X	-.51	-.51	0	%100
82	M95	Z	-.294	-.294	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.396	-.396	0	%100
2	M1	Z	-.686	-.686	0	%100
3	M2	X	-.108	-.108	0	%100
4	M2	Z	-.187	-.187	0	%100
5	M3	X	-.396	-.396	0	%100
6	M3	Z	-.686	-.686	0	%100
7	M4	X	-.444	-.444	0	%100
8	M4	Z	-.769	-.769	0	%100
9	M5	X	-.08	-.08	0	%100
10	M5	Z	-.139	-.139	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-.114	-.114	0	%100
14	M9	Z	-.197	-.197	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-.114	-.114	0	%100
18	M11	Z	-.197	-.197	0	%100
19	M12	X	-.321	-.321	0	%100
20	M12	Z	-.557	-.557	0	%100
21	M15	X	-.396	-.396	0	%100
22	M15	Z	-.686	-.686	0	%100
23	M16	X	-.444	-.444	0	%100
24	M16	Z	-.769	-.769	0	%100
25	M17	X	-.396	-.396	0	%100
26	M17	Z	-.686	-.686	0	%100
27	M18	X	-.108	-.108	0	%100
28	M18	Z	-.187	-.187	0	%100
29	M19	X	-.08	-.08	0	%100
30	M19	Z	-.139	-.139	0	%100
31	M28	X	-.188	-.188	0	%100
32	M28	Z	-.326	-.326	0	%100
33	M29	X	-.309	-.309	0	%100
34	M29	Z	-.535	-.535	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-.188	-.188	0	%100
40	M32	Z	-.326	-.326	0	%100
41	M33	X	-.309	-.309	0	%100
42	M33	Z	-.535	-.535	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.%]
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-.145	-.145	0	%100
46	M35	Z	-.251	-.251	0	%100
47	M36	X	-.145	-.145	0	%100
48	M36	Z	-.251	-.251	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	0	0	0	%100
51	M44	X	-.217	-.217	0	%100
52	M44	Z	-.375	-.375	0	%100
53	M45	X	-.217	-.217	0	%100
54	M45	Z	-.375	-.375	0	%100
55	MP1A	X	-.251	-.251	0	%100
56	MP1A	Z	-.434	-.434	0	%100
57	MP2A	X	-.251	-.251	0	%100
58	MP2A	Z	-.434	-.434	0	%100
59	MP3A	X	-.251	-.251	0	%100
60	MP3A	Z	-.434	-.434	0	%100
61	MP4A	X	-.251	-.251	0	%100
62	MP4A	Z	-.434	-.434	0	%100
63	MP1C	X	-.251	-.251	0	%100
64	MP1C	Z	-.434	-.434	0	%100
65	MP2C	X	-.251	-.251	0	%100
66	MP2C	Z	-.434	-.434	0	%100
67	MP3C	X	-.251	-.251	0	%100
68	MP3C	Z	-.434	-.434	0	%100
69	MP4C	X	-.251	-.251	0	%100
70	MP4C	Z	-.434	-.434	0	%100
71	MP1B	X	-.251	-.251	0	%100
72	MP1B	Z	-.434	-.434	0	%100
73	MP2B	X	-.251	-.251	0	%100
74	MP2B	Z	-.434	-.434	0	%100
75	MP3B	X	-.251	-.251	0	%100
76	MP3B	Z	-.434	-.434	0	%100
77	MP4B	X	-.251	-.251	0	%100
78	MP4B	Z	-.434	-.434	0	%100
79	M94	X	-.098	-.098	0	%100
80	M94	Z	-.17	-.17	0	%100
81	M95	X	-.392	-.392	0	%100
82	M95	Z	-.679	-.679	0	%100
83	M96	X	-.098	-.098	0	%100
84	M96	Z	-.17	-.17	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	M1	Y	-.891	-2.939	0	2.236
2	M1	Y	-2.939	-4.513	2.236	4.472
3	M1	Y	-4.513	-5.064	4.472	6.708
4	M1	Y	-5.064	-4.513	6.708	8.944
5	M1	Y	-4.513	-2.939	8.944	11.181
6	M1	Y	-2.939	-.891	11.181	13.417
7	M2	Y	-.423	-2.447	0	1.933
8	M2	Y	-2.447	-4.471	1.933	3.866
9	M3	Y	-4.981	-4.981	.046	6.704
10	M4	Y	-4.471	-2.447	0	1.933
11	M4	Y	-2.447	-.423	1.933	3.866

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
12	M8	Y	- .891	-2.939	0	2.236
13	M8	Y	-2.939	-4.513	2.236	4.472
14	M8	Y	-4.513	-5.064	4.472	6.708
15	M8	Y	-5.064	-4.513	6.708	8.944
16	M8	Y	-4.513	-2.939	8.944	11.181
17	M8	Y	-2.939	- .891	11.181	13.417
18	M9	Y	- .423	-2.447	0	1.933
19	M9	Y	-2.447	-4.471	1.933	3.866
20	M10	Y	-4.981	-4.981	.046	6.704
21	M11	Y	-4.471	-2.447	0	1.933
22	M11	Y	-2.447	- .423	1.933	3.866
23	M15	Y	- .891	-2.939	0	2.236
24	M15	Y	-2.939	-4.513	2.236	4.472
25	M15	Y	-4.513	-5.064	4.472	6.708
26	M15	Y	-5.064	-4.513	6.708	8.944
27	M15	Y	-4.513	-2.939	8.944	11.181
28	M15	Y	-2.939	- .891	11.181	13.417
29	M16	Y	- .423	-2.447	0	1.933
30	M16	Y	-2.447	-4.471	1.933	3.866
31	M17	Y	-4.981	-4.981	.046	6.704
32	M18	Y	-4.471	-2.447	0	1.933
33	M18	Y	-2.447	- .423	1.933	3.866

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	M1	Y	-2.87	-9.464	0	2.236
2	M1	Y	-9.464	-14.533	2.236	4.472
3	M1	Y	-14.533	-16.306	4.472	6.708
4	M1	Y	-16.306	-14.533	6.708	8.944
5	M1	Y	-14.533	-9.464	8.944	11.181
6	M1	Y	-9.464	-2.87	11.181	13.417
7	M2	Y	-1.361	-7.879	0	1.933
8	M2	Y	-7.879	-14.397	1.933	3.866
9	M3	Y	-16.04	-16.04	.046	6.704
10	M4	Y	-14.397	-7.879	0	1.933
11	M4	Y	-7.879	-1.361	1.933	3.866
12	M2	Y	- .004	- .004	2.32	2.629
13	M2	Y	- .004	- .272	2.629	2.938
14	M2	Y	- .272	- .594	2.938	3.247
15	M2	Y	- .594	- .61	3.247	3.557
16	M2	Y	- .61	- .532	3.557	3.866
17	M8	Y	-1.088	-10.433	0	2.236
18	M8	Y	-10.433	-15.656	2.236	4.472
19	M8	Y	-15.656	-16.464	4.472	6.708
20	M8	Y	-16.464	-15.95	6.708	8.944
21	M8	Y	-15.95	-10.767	8.944	11.181
22	M8	Y	-10.767	-1.943	11.181	13.417
23	M9	Y	-1.299	-3.493	.387	1.082
24	M9	Y	-3.493	-7.631	1.082	1.778
25	M9	Y	-7.631	-11.116	1.778	2.474
26	M9	Y	-11.116	-12.166	2.474	3.17
27	M9	Y	-12.166	-13.378	3.17	3.866
28	M10	Y	-14.369	-14.722	0	1.35
29	M10	Y	-14.722	-15.716	1.35	2.7
30	M10	Y	-15.716	-16.564	2.7	4.05
31	M10	Y	-16.564	-15.636	4.05	5.4

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.%]
32	M10	Y	-15.636	-13.72	5.4	6.75
33	M11	Y	-11.591	-12.931	0	.773
34	M11	Y	-12.931	-11.431	.773	1.546
35	M11	Y	-11.431	-7.602	1.546	2.32
36	M11	Y	-7.602	-3.986	2.32	3.093
37	M11	Y	-3.986	-.245	3.093	3.866
38	M24	Y	-1.527	-1.527	0	.089
39	M72	Y	-3.13	-3.13	0	.25
40	M76	Y	-.258	-.258	0	.25
41	M98	Y	-2.646	-2.646	.067	.118
42	M9	Y	-.004	-.004	2.32	2.629
43	M9	Y	-.004	-.272	2.629	2.938
44	M9	Y	-.272	-.594	2.938	3.247
45	M9	Y	-.594	-.61	3.247	3.557
46	M9	Y	-.61	-.532	3.557	3.866
47	M15	Y	-1.089	-10.433	0	2.236
48	M15	Y	-10.433	-15.656	2.236	4.472
49	M15	Y	-15.656	-16.464	4.472	6.708
50	M15	Y	-16.464	-15.95	6.708	8.944
51	M15	Y	-15.95	-10.767	8.944	11.181
52	M15	Y	-10.767	-1.943	11.181	13.417
53	M16	Y	-1.299	-3.493	.387	1.082
54	M16	Y	-3.493	-7.631	1.082	1.778
55	M16	Y	-7.631	-11.116	1.778	2.474
56	M16	Y	-11.116	-12.166	2.474	3.17
57	M16	Y	-12.166	-13.378	3.17	3.866
58	M17	Y	-14.369	-14.722	0	1.35
59	M17	Y	-14.722	-15.716	1.35	2.7
60	M17	Y	-15.716	-16.564	2.7	4.05
61	M17	Y	-16.564	-15.636	4.05	5.4
62	M17	Y	-15.636	-13.72	5.4	6.75
63	M18	Y	-11.591	-12.931	0	.773
64	M18	Y	-12.931	-11.431	.773	1.546
65	M18	Y	-11.431	-7.602	1.546	2.32
66	M18	Y	-7.602	-3.986	2.32	3.093
67	M18	Y	-3.986	-.245	3.093	3.866
68	M23A	Y	-1.527	-1.527	0	.089
69	M88	Y	-3.13	-3.13	0	.25
70	M92	Y	-.258	-.258	0	.25
71	M99	Y	-2.669	-2.669	0	.051

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	Y	Two Way	-.005
2	N13	N16	N15	N12	Y	Two Way	-.005
3	N23	N26A	N25	N22	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	Y	Two Way	-.016
2	N13	N5	N15	N12	Y	Two Way	-.016
3	N23	N15	N25	N22	Y	Two Way	-.016

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N7	max	1956.035	11	3189.003	19	675.097	1	-1.086	1	1.434	11	.931	4
2		min	-1936.089	5	512.058	1	-693.319	7	-8.208	19	-1.451	5	-.908	10
3	N17	max	1069.376	10	3197.174	15	1832.664	1	4.242	14	1.435	7	7.131	16
4		min	-1094.515	4	512.257	9	-1840.111	7	.171	8	-1.452	1	.906	10
5	N27	max	1236.909	9	3193.037	23	1548.79	3	4.18	24	1.434	3	-.84	4
6		min	-1229.963	3	512.254	5	-1521.833	9	.24	6	-1.451	9	-7.161	22
7	Totals:	max	3961.225	10	9170.716	22	3962.018	1						
8		min	-3961.229	4	3098.861	4	-3962.022	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 [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M12	HSS4X4X3	.676	0	14	.148	0	z	1	106383.0...	106812	12.662	12.662	1...	H1-1b
2	M19	HSS4X4X3	.675	0	22	.148	0	z	9	106383.0...	106812	12.662	12.662	1...	H1-1b
3	M5	HSS4X4X3	.674	0	18	.148	0	z	5	106383.0...	106812	12.662	12.662	1...	H1-1b
4	M8	L3X3X4	.576	6.708	24	.325	6.708	z	21	4294.992	46656	1.688	2.796	1...	H2-1
5	M15	L3X3X4	.574	6.708	20	.325	6.708	z	17	4294.992	46656	1.688	2.796	1...	H2-1
6	M1	L3X3X4	.573	6.708	16	.324	6.708	z	13	4294.992	46656	1.688	2.797	1...	H2-1
7	MP1C	PIPE 2.0	.503	4.807	16	.294	3.859		15	19360.206	32130	1.872	1.872	4...	H1-1b
8	MP1A	PIPE 2.0	.502	4.807	20	.293	3.859		19	19360.206	32130	1.872	1.872	3...	H1-1b
9	MP1B	PIPE 2.0	.502	4.807	24	.293	3.859		23	19360.206	32130	1.872	1.872	2...	H1-1b
10	M10	L3X3X4	.443	3.375	16	.029	3.375	z	13	16968.523	46656	1.688	3.215	1...	H2-1
11	M3	L3X3X4	.443	3.375	20	.029	3.375	z	17	16968.523	46656	1.688	3.215	1...	H2-1
12	M17	L3X3X4	.443	3.375	24	.029	3.375	z	21	16968.523	46656	1.688	3.215	1...	H2-1
13	MP3C	PIPE 2.0	.360	4.807	15	.224	4.807		15	19360.206	32130	1.872	1.872	2...	H1-1b
14	MP3B	PIPE 2.0	.360	4.807	23	.223	4.807		23	19360.206	32130	1.872	1.872	3...	H1-1b
15	MP3A	PIPE 2.0	.359	4.807	19	.223	4.807		19	19360.206	32130	1.872	1.872	3...	H1-1b
16	MP2C	PIPE 2.0	.316	3.859	15	.088	4.807		18	19360.206	32130	1.872	1.872	3...	H1-1b
17	MP2B	PIPE 2.0	.316	3.859	23	.088	4.807		14	19360.206	32130	1.872	1.872	3...	H1-1b
18	MP2A	PIPE 2.0	.315	3.859	19	.088	4.807		22	19360.206	32130	1.872	1.872	3...	H1-1b
19	M95	HSS4.5X4.5...	.313	0	17	.083	0	y	13	119847.0...	121302	16.25	16.25	1...	H1-1b
20	M96	HSS4.5X4.5...	.312	0	13	.083	0	y	21	119847.0...	121302	16.25	16.25	1...	H1-1b
21	M94	HSS4.5X4.5...	.311	0	21	.083	0	y	17	119847.0...	121302	16.25	16.25	1...	H1-1b
22	M31	PIPE 3.5	.269	6.951	15	.037	6.814		14	39192.981	78750	7.954	7.954	1...	H1-1b
23	M33	PIPE 3.5	.268	6.951	23	.037	6.814		22	39192.981	78750	7.954	7.954	1...	H1-1b
24	M29	PIPE 3.5	.268	6.951	19	.037	6.814		18	39192.981	78750	7.954	7.954	1...	H1-1b
25	MP4C	PIPE 2.0	.261	4.807	16	.174	4.536		15	19360.206	32130	1.872	1.872	3...	H1-1b
26	MP4A	PIPE 2.0	.260	4.807	20	.174	4.536		19	19360.206	32130	1.872	1.872	3...	H1-1b
27	MP4B	PIPE 2.0	.260	4.807	24	.174	4.536		23	19360.206	32130	1.872	1.872	3...	H1-1b
28	M44	L2.5x2.5x4	.218	0	2	.044	0	y	2	37198.643	38556	1.114	2.537	1...	H2-1
29	M43	L2.5x2.5x4	.218	0	6	.044	0	y	6	37198.643	38556	1.114	2.537	1...	H2-1
30	M45	L2.5x2.5x4	.218	1.048	10	.044	.218	z	10	37198.643	38556	1.114	2.537	1...	H2-1
31	M30	PIPE 2.0	.217	7.128	17	.054	12.159		8	5464.565	32130	1.872	1.872	2...	H1-1b
32	M32	PIPE 2.0	.217	7.128	13	.054	12.159		4	5464.565	32130	1.872	1.872	2...	H1-1b
33	M28	PIPE 2.0	.217	7.128	21	.054	12.159		12	5464.565	32130	1.872	1.872	2...	H1-1b
34	M9	L3X3X4	.162	0	15	.016	3.866	z	14	33505.887	46656	1.688	3.679	1...	H2-1
35	M16	L3X3X4	.162	0	23	.016	3.866	z	22	33505.887	46656	1.688	3.681	1...	H2-1
36	M2	L3X3X4	.161	0	19	.019	3.866	z	30	33505.887	46656	1.688	3.678	1...	H2-1
37	M4	L3X3X4	.126	3.866	19	.014	0	z	18	33505.887	46656	1.688	3.616	1...	H2-1
38	M18	L3X3X4	.126	3.866	23	.014	0	z	22	33505.887	46656	1.688	3.613	1...	H2-1
39	M11	L3X3X4	.125	3.866	15	.014	0	z	26	33505.887	46656	1.688	3.613	1...	H2-1
40	M35	PIPE 2.0	.007	1.241	17	.087	0		8	29844.076	32130	1.872	1.872	1...	H1-1b
41	M34	PIPE 2.0	.007	1.241	21	.087	0		12	29844.076	32130	1.872	1.872	1...	H1-1b
42	M36	PIPE 2.0	.007	1.241	13	.087	2.481		4	29844.076	32130	1.872	1.872	1...	H1-1b



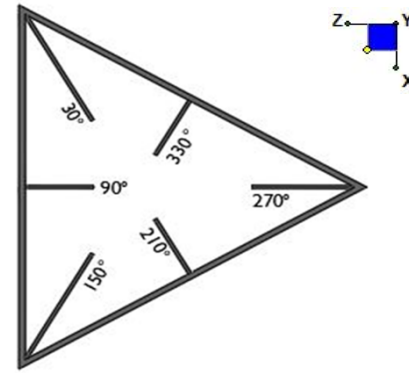
Client:	Verizon	Date:	3/31/2021
Site Name:	North Thompsonville		
Project No.	21777027A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N7	90
N27	330
N17	210



TYPICAL PLATFORM

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:

Plate Width (in):

Plate Height (in):

W1 (in):

W2 (in):

Fy (ksi, plate):

t_{plate} (in):

Weld Size (1/16 in):

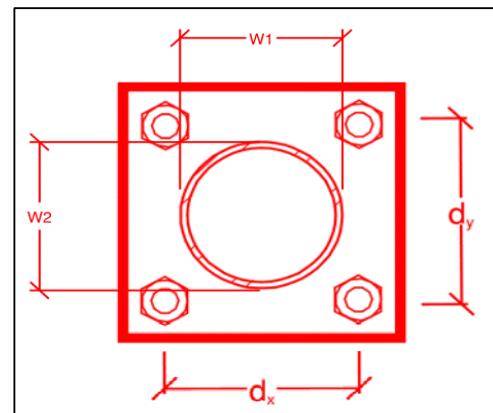
Phi*Rn (kip/in):

Required Weld Strength (kip/in):

Plate Bending Capacity:

Weld Capacity:

Rect
17
12
4
4
36
0.5
4
5.57
4.65
32.1%
83.5%



Mu _{xx} (kip-in):	2.3
Phi*Mn _{xx} (kip-in):	34.4
Mu _{yy} (kip-in):	6.2
Phi*Mn _{yy} (kip-in):	24.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

Base Requirements:

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

Photo Requirements:

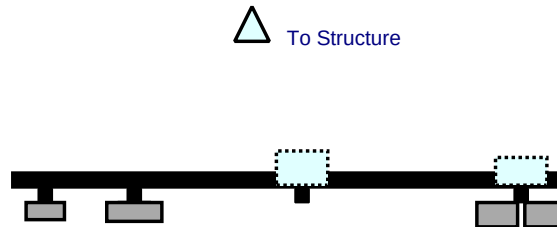
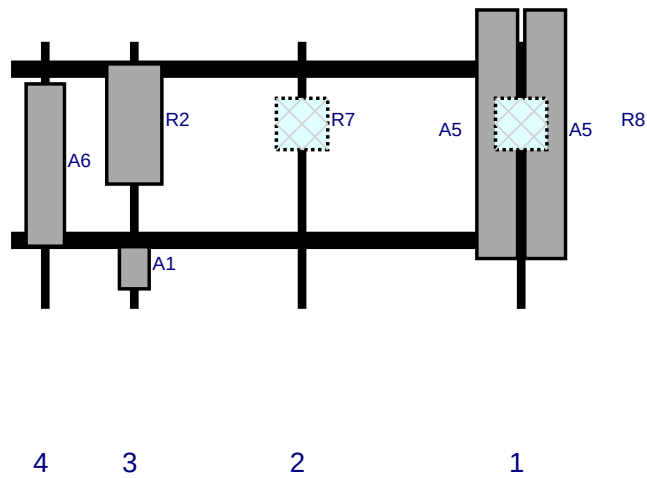
- Base and “During Installation Photos”
 - Base pictures include
 - Photo of Gate Signs showing the tower owner, site name, and number
 - Photo of carrier shelter showing the carrier site name and number if available
 - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing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

- | |
|--|
| |
|--|

Schedule A – Photo & Document File Structure

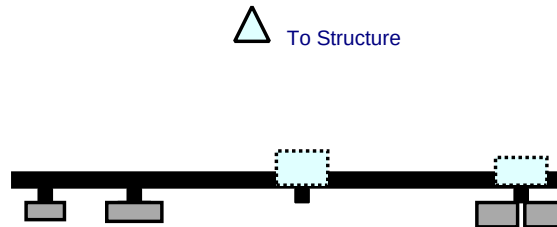
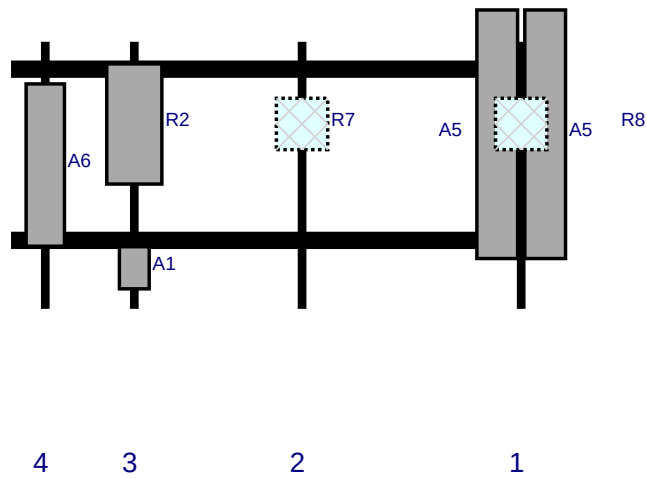
-  VzW Site Number / Name
 -  Base & “During Installation” Photos
 -  Pre-Installation Photos
 -  Alpha
 -  Beta
 -  Gamma
 -  Ground Level
 -  Tape Drop
 -  Post-Installation Photos
 -  Alpha
 -  Beta
 -  Gamma
 -  Ground Level
 -  Tape Drop
 -  Photos of climbing facility and safety climb – If Present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

Plan View


Front View
 Looking at Structure


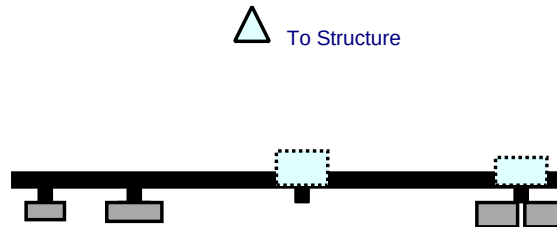
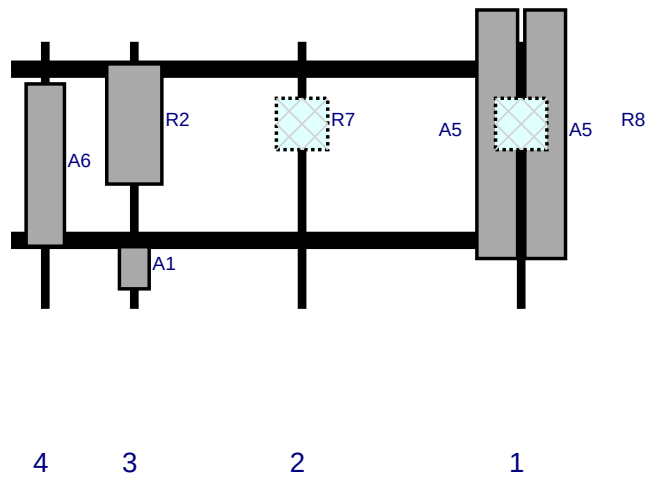
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	SBNHH-1D65B	72.6	11.9	149	1	a	Front	27	7	Retained	02/17/2021
A5	SBNHH-1D65B	72.6	11.9	149	1	b	Front	27	-7	Retained	02/17/2021
R8	B5/B13 RRH-BRO4C	15	15	149	1	a	Behind	24	0	Retained	02/17/2021
R7	B2/B66A RRH-BRO49	15	15	85	2	a	Behind	24	0	Retained	02/17/2021
A1	XXDWMM-12.5-65	12.3	8.7	36	3	a	Front	66	0	Added	
R2	MT6407-77A	35.1	16.1	36	3	a	Front	24	0	Added	
A6	BXA-70063/4CF	47.4	11.2	10	4	a	Front	36	0	Retained	02/17/2021

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
A1	XXDWMM-12.5-65	12.3	8.7	36	3	a	Front	66	0	Added	
R2	MT6407-77A	35.1	16.1	36	3	a	Front	24	0	Added	
A6	BXA-70063/4CF	47.4	11.2	10	4	a	Front	36	0	Retained	02/17/2021
A5	SBNHH-1D65B	72.6	11.9	149	1	a	Front	27	7	Retained	02/17/2021
A5	SBNHH-1D65B	72.6	11.9	149	1	b	Front	27	-7	Retained	02/17/2021
R8	B5/B13 RRH-BRO4C	15	15	149	1	a	Behind	24	0	Retained	02/17/2021
R7	B2/B66A RRH-BRO49	15	15	85	2	a	Behind	24	0	Retained	02/17/2021

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
A5	SBNHH-1D65B	72.6	11.9	149	1	a	Front	27	7	Retained	02/17/2021
A5	SBNHH-1D65B	72.6	11.9	149	1	b	Front	27	-7	Retained	02/17/2021
R8	B5/B13 RRH-BRO4C	15	15	149	1	a	Behind	24	0	Retained	02/17/2021
R7	B2/B66A RRH-BRO49	15	15	85	2	a	Behind	24	0	Retained	02/17/2021
A1	XXDWMM-12.5-65	12.3	8.7	36	3	a	Front	66	0	Added	
R2	MT6407-77A	35.1	16.1	36	3	a	Front	24	0	Added	
A6	BXA-70063/4CF	47.4	11.2	10	4	a	Front	36	0	Retained	02/17/2021

Maser Consulting Connecticut

Subject

TIA-222-H Usage

Site Information

Site ID: 467263-VZW / North
Thompsonville
Site Name: North Thompsonville
Carrier Name: Verizon Wireless
Address:
1 Bright Meadow Blvd
Enfield, Connecticut 06082
Hartford County
Latitude: 42.020846°
Longitude: -72.585283°

Structure Information

Tower Type: Monopole
Mount Type: 13.42-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,

Dejian Xu, PE
Technical Specialist



Exhibit F

Power Density/RF Emissions Report

Site Name: **N THOMPSONVILLE 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	685	2740	137	0.0053
VZW CDMA	878.49	2	445	889	137	0.0017
VZW Cellular	874	4	816	3264	137	0.0063
VZW PCS	1972.5	4	1481	5925	137	0.0114
VZW AWS	2125	4	1658	6632	137	0.0127
VZW CBRS	3625	4	14	55	135	0.0001
VZW CBAND	3730.08	4	6531	26125	138.5	0.0490

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/IE

**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's

MHz = Megahertz

mW/cm² = 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	1.05%
0.5857	0.29%
0.5827	1.07%
1.0000	1.14%
1.0000	1.27%
1.0000	0.01%
1.0000	4.90%
	9.73%

IEEE C95.1-1992

November 10, 2015 Memorandum for Exempt Modification filings