

From: Jason Blinkhorn <jblinkhorn@qualtekwireless.com>

Sent: Friday, April 9, 2021 10:47 AM

To: town council@townofwindsorct.com; CSC-DL Siting Council <Siting.Council@ct.gov>;
souza@townofwindsorct.com

Cc: John Centore <jcentore@qualtekwireless.com>; Corey Michaud <cmichaud@qualtekwireless.com>;
Michael Cypranowski <mcypranowski@qualtekwireless.com>; ATT Closeouts
<attcloseouts@empiretelecomm.com>; New England Compliance
<newenglandcompliance@empiretelecomm.com>

Subject: ATT SITE CT5139 CSC SITE EM-AT&T-064-210125

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

CSC team,

We would like to start RF for this project on 4-19. Please see attached documents.

COP team,

Please see attached. CSC requires additional close out documentations. CCA will be completed by Crown castle. PO requested.

RE: **EM-AT&T-064-210125** – AT&T notice of intent to modify an existing telecommunications facility located at 99 Day Hill Road, Windsor, Connecticut.

Dear Ms. Zsamba:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

1. Prior to AT&T's antenna installation, the antenna mount modifications shall be installed in accordance with the Mount Analysis prepared by Power of Design Group, dated November 3, 2020 and stamped and signed by Jason Cheronis;
2. Within 45 days following the completion of equipment installation, AT&T shall provide documentation certified by a Professional Engineer that its installation complied with the recommendations of the Mount Analysis;
3. Any deviation from the proposed modification as specified in this notice and supporting materials with the Council shall render this acknowledgement invalid;
4. Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
5. The Council shall be notified in writing at least two weeks prior to the commencement of site construction activities;
6. Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
7. Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by AT&T shall be removed within 60 days of the date the antenna ceased to function;
8. The validity of this action shall expire one year from the date of this letter; and
9. The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

Thank You,

Jason Blinkhorn / Project Manager / 401-787-6007 / jblinkhorn@qualtekwireless.com
16 Esquire Rd, N Billerica MA 01862
125 Depot St, Bellingham, MA 02019



Windsor Building Department
275 Broad Street
Windsor, CT, 06095
PHONE: (860) 285-1960
EMAIL: Building@townofwindsorct.com
www.townofwindsorct.com

BUILDING PERMIT

Permit #: **B-210538**

ADDRESS OF WORK LOCATION: **99 DAY HILL RD**

TYPE OF PERMIT: **Telecommunications**

Application Date: **03/11/2021**

Retail Market Value: **\$20,000.00** Fee: **\$282.00**

Owner:

WINDSOR TOWN OF
275 BROAD STREET
WINDSOR, CT, 06095
Email:

Contractor(s):

CROWN CASTLE USA INC
2000 CORPORATE DR, CANONSBURG, PA 153178564
Email: annemarie.zsamba@crowncastle.com License #:
903225

DESCRIPTION OF WORK:

AT& T proposes to modify their existing antenna configuration on the existing telecom tower by replacing (3) existing antennas with (3) new, as well as tower mount modifications as shown on the enclosed CD's. This scope of work is an eligible facilities request pursuant to section 6409 and has been approved by the Connecticut Siting Council.

Inspections Required:

Please call (860) 285-1960 for inspections.

- FINAL INSPECTION INSULATION before covering PRESSURE TEST FOUNDATION
 IN PROGRESS ABOVE CEILING WEATHER/DAMP PROOFING COMBUSTION TEST
 FOOTING /PIERS FRAMING ROUGH ELECTRIC & MECHANICALS SERVICE
 CARBON MONOXIDE & SMOKE DETECTORS TO CODE OTHER
 POOL BONDING BEFORE REBAR POOL GATING/FENCING before filling pool

Reviewed By: **Robert Ruzzo**

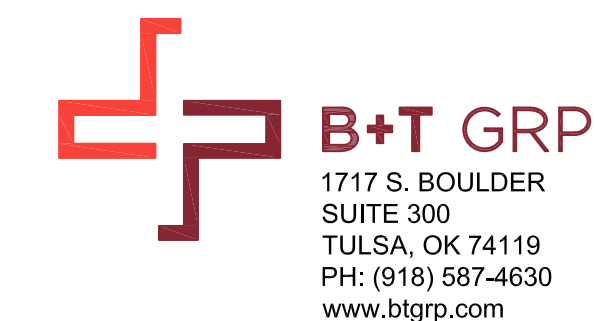
Issued By: 

Date: **03/11/2021**



AT&T SITE NUMBER: CTL05139
AT&T SITE NAME: WINDSORDAY HILL
AT&T FA CODE: 10071331
AT&T PACE NUMBER: MRCTB047595
AT&T PROJECT: LTE 5G/ BWE

BUSINESS UNIT #: 842875
SITE ADDRESS: 99 DAY HILL ROAD WINDSOR, CT 06095
COUNTY: HARTFORD
SITE TYPE: MONOPOLE
TOWER HEIGHT: 168'-0"



AT&T SITE NUMBER:
CTL05139

BU #: 842875
WINDSORDAY HILL

99 DAY HILL ROAD
 WINDSOR, CT 06095

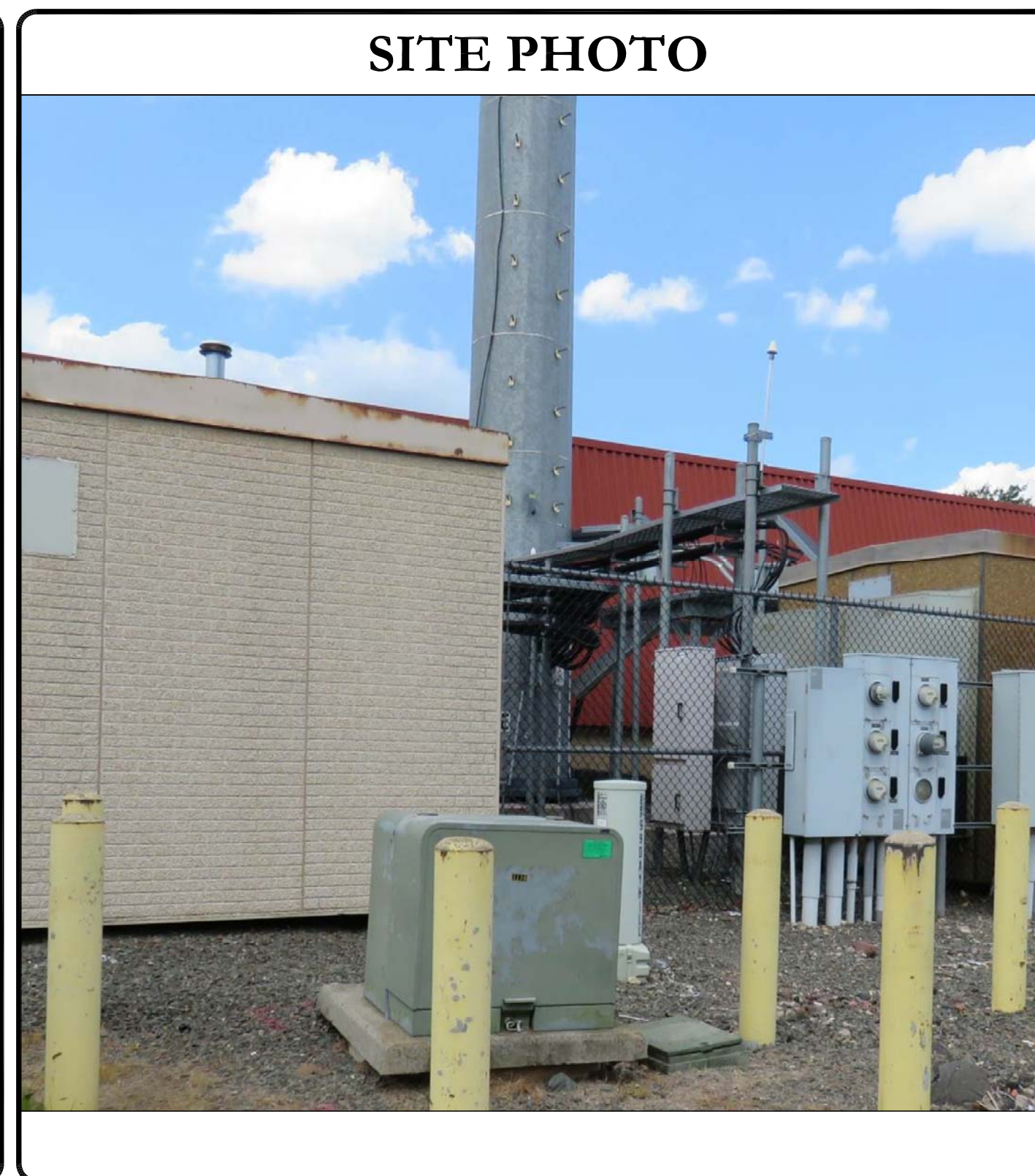
EXISTING
 168'-0" MONOPOLE

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | DES./QA |
|-----|----------|------|--------------|---------|
| A | 11/24/20 | LHT | CONSTRUCTION | MTJ |
| 0 | 12/11/20 | MLC | CONSTRUCTION | GEH |
| 1 | 12/28/20 | JJD | CONSTRUCTION | RMC |

| SITE INFORMATION | |
|----------------------------------|---|
| CROWN CASTLE USA INC. SITE NAME: | WINDSORDAY HILL |
| SITE ADDRESS: | 99 DAY HILL ROAD WINDSOR, CT 06095 |
| COUNTY: | HARTFORD |
| MAP/PARCEL #: | 9310 |
| AREA OF CONSTRUCTION: | EXISTING |
| LATITUDE: | 41.871139 |
| LONGITUDE: | -72.671111 |
| LAT/LONG TYPE: | NAD83 |
| GROUND ELEVATION: | 170'-0" |
| CURRENT ZONING: | NZ |
| JURISDICTION: | TOWN OF WINDSOR |
| OCCUPANCY CLASSIFICATION: | U |
| TYPE OF CONSTRUCTION: | IIB |
| A.D.A. COMPLIANCE: | FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION |
| PROPERTY OWNER: | TOWN OF WINDSOR WINDSOR, CT 06095 06095 |
| TOWER OWNER: | CROWN CASTLE USA INC 2000 CORPORATE DRIVE CANONSBURG, PA 15317 |
| CARRIER/APPLICANT: | AT&T TOWER ASSET GROUP 575 MOROSGO DRIVE ATLANTA, GA 30324-3300 |
| ELECTRIC PROVIDER: | NORTHEASR UTILITIES N/A |
| TELCO PROVIDER: | LIGHTTOWER N/A |

| DRAWING INDEX | |
|---|----------------------------------|
| SHEET # | SHEET DESCRIPTION |
| T-1 | TITLE SHEET |
| T-2 | GENERAL NOTES |
| C-1.1 | SITE PLAN |
| C-1.2 | EXISTING & FINAL EQUIPMENT PLANS |
| C-2 | FINAL ELEVATION & ANTENNA PLANS |
| C-3 | FINAL EQUIPMENT SCHEDULE |
| C-4 | EQUIPMENT MOUNTING DETAILS |
| C-5 | EQUIPMENT SPECS |
| E-1 | POWER ANALYSIS |
| G-1 | GROUNDING SCHEMATIC |
| G-2 | GROUNDING DETAILS |
| ATTACHED | PLUMBING DIAGRAM |
| ATTACHED | MOUNT MOD SPEC SHEETS |
| ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 24X36. 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. | |
| CALL CONNECTICUT ONE CALL (800) 922-4455 CBYD.COM CALL 2 WORKING DAYS BEFORE YOU DIG! | |



| PROJECT TEAM | |
|---|--|
| A&E FIRM: | B+T GROUP 1717 S BOULDER AVE, SUITE 300 TULSA, OK 74119 JENNY PAUL jpaul@btgrp.com |
| CROWN CASTLE USA INC. DISTRICT CONTACTS: | 3530 TORINGDON WAY, SUITE 300 CHARLOTTE, NC 28277 |
| NOTE: PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER. | |

| PROJECT DESCRIPTION |
|--|
| THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY. |
| TOWER SCOPE OF WORK: <ul style="list-style-type: none"> REMOVE (2) CCI PRODUCTS - OPA-65R-LCUU-H6 ANTENNAS REMOVE (1) CCI PRODUCTS - OPA-65R-LCUU-H8 ANTENNA REMOVE (3) RRUS-32 B2 RADIOS REMOVE (3) RRUS-11B12 RADIOS REMOVE (6) TPX-070821 TRIPLEXERS INSTALL MOUNT MODIFICATIONS PER MOUNT ANALYSIS BY POD GROUP DATED NOVEMBER 03, 2020 INSTALL (2) CCI - DMP65R-BU6DA ANTENNAS INSTALL (1) CCI - DMP65R-BU8DA ANTENNA INSTALL (3) ERICSSON - 4449 B5-B12 RADIOS INSTALL (3) ERICSSON - 4415 B25 RADIOS INSTALL (3) VALMONT - RRUDSM BACK-TO-BACK RRH MOUNTS |
| GROUND SCOPE OF WORK: <ul style="list-style-type: none"> REMOVE (3) RRUS -11 B5 INSTALL (1) BB6630 |
| NOTE: THE POWER DESIGN FOR ANY AC ELECTRICAL POWER CHANGES IS TO BE PERFORMED BY OTHERS AND IS SHOWN HERE FOR REFERENCE PURPOSES ONLY. AT&T IS SOLELY RESPONSIBLE FOR THE ELECTRICAL POWER DESIGN. |

| 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: | | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <td>CODE TYPE</td> <td>CODE</td> </tr> <tr> <td>BUILDING</td> <td>2015 IBC / 2018 CONNECTICUT STATE BUILDING CODE</td> </tr> <tr> <td>MECHANICAL</td> <td>2015 IMC / 2018 CONNECTICUT STATE BUILDING CODE</td> </tr> <tr> <td>ELECTRICAL</td> <td>2017 NEC / 2018 CONNECTICUT STATE BUILDING CODE</td> </tr> </table> | CODE TYPE | CODE | BUILDING | 2015 IBC / 2018 CONNECTICUT STATE BUILDING CODE | MECHANICAL | 2015 IMC / 2018 CONNECTICUT STATE BUILDING CODE | ELECTRICAL | 2017 NEC / 2018 CONNECTICUT STATE BUILDING CODE | | | | | | | | | | | | |
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| MECHANICAL | 2015 IMC / 2018 CONNECTICUT STATE BUILDING CODE | | | | | | | | | | | | | | | | | | | |
| ELECTRICAL | 2017 NEC / 2018 CONNECTICUT STATE BUILDING CODE | | | | | | | | | | | | | | | | | | | |
| REFERENCE DOCUMENTS: <table border="0"> <tr> <td>STRUCTURAL ANALYSIS:</td> <td>CROWN CASTLE</td> </tr> <tr> <td>DATED:</td> <td>11/5/20</td> </tr> <tr> <td>MOUNT ANALYSIS:</td> <td>POD GROUP</td> </tr> <tr> <td>DATED:</td> <td>11/5/20</td> </tr> <tr> <td>AC ELECTRICAL POWER DESIGN:</td> <td>N/A</td> </tr> <tr> <td>DATED:</td> <td></td> </tr> <tr> <td>RFDS REVISION:</td> <td>3</td> </tr> <tr> <td>DATED:</td> <td>11/06/20</td> </tr> <tr> <td>ORDER ID:</td> <td>517092</td> </tr> <tr> <td>REVISION:</td> <td>0</td> </tr> </table> | STRUCTURAL ANALYSIS: | CROWN CASTLE | DATED: | 11/5/20 | MOUNT ANALYSIS: | POD GROUP | DATED: | 11/5/20 | AC ELECTRICAL POWER DESIGN: | N/A | DATED: | | RFDS REVISION: | 3 | DATED: | 11/06/20 | ORDER ID: | 517092 | REVISION: | 0 |
| STRUCTURAL ANALYSIS: | CROWN CASTLE | | | | | | | | | | | | | | | | | | | |
| DATED: | 11/5/20 | | | | | | | | | | | | | | | | | | | |
| MOUNT ANALYSIS: | POD GROUP | | | | | | | | | | | | | | | | | | | |
| DATED: | 11/5/20 | | | | | | | | | | | | | | | | | | | |
| AC ELECTRICAL POWER DESIGN: | N/A | | | | | | | | | | | | | | | | | | | |
| DATED: | | | | | | | | | | | | | | | | | | | | |
| RFDS REVISION: | 3 | | | | | | | | | | | | | | | | | | | |
| DATED: | 11/06/20 | | | | | | | | | | | | | | | | | | | |
| ORDER ID: | 517092 | | | | | | | | | | | | | | | | | | | |
| REVISION: | 0 | | | | | | | | | | | | | | | | | | | |



B&T ENGINEERING, INC.
 PEC.0001564
 Expires 2/10/21

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SHEET NUMBER: T-1
REVISION: 1



575 MOROSGO DRIVE
ATLANTA, GA 30324-3300



3530 TORINGDON WAY, SUITE 300
CHARLOTTE, NC 28277



1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.blgrp.com

AT&T SITE NUMBER:
CTL05139

BU #: **842875**
WINDSORDAY HILL

99 DAY HILL ROAD
WINDSOR, CT 06095

EXISTING
168'-0" MONOPOLE

ISSUED FOR:

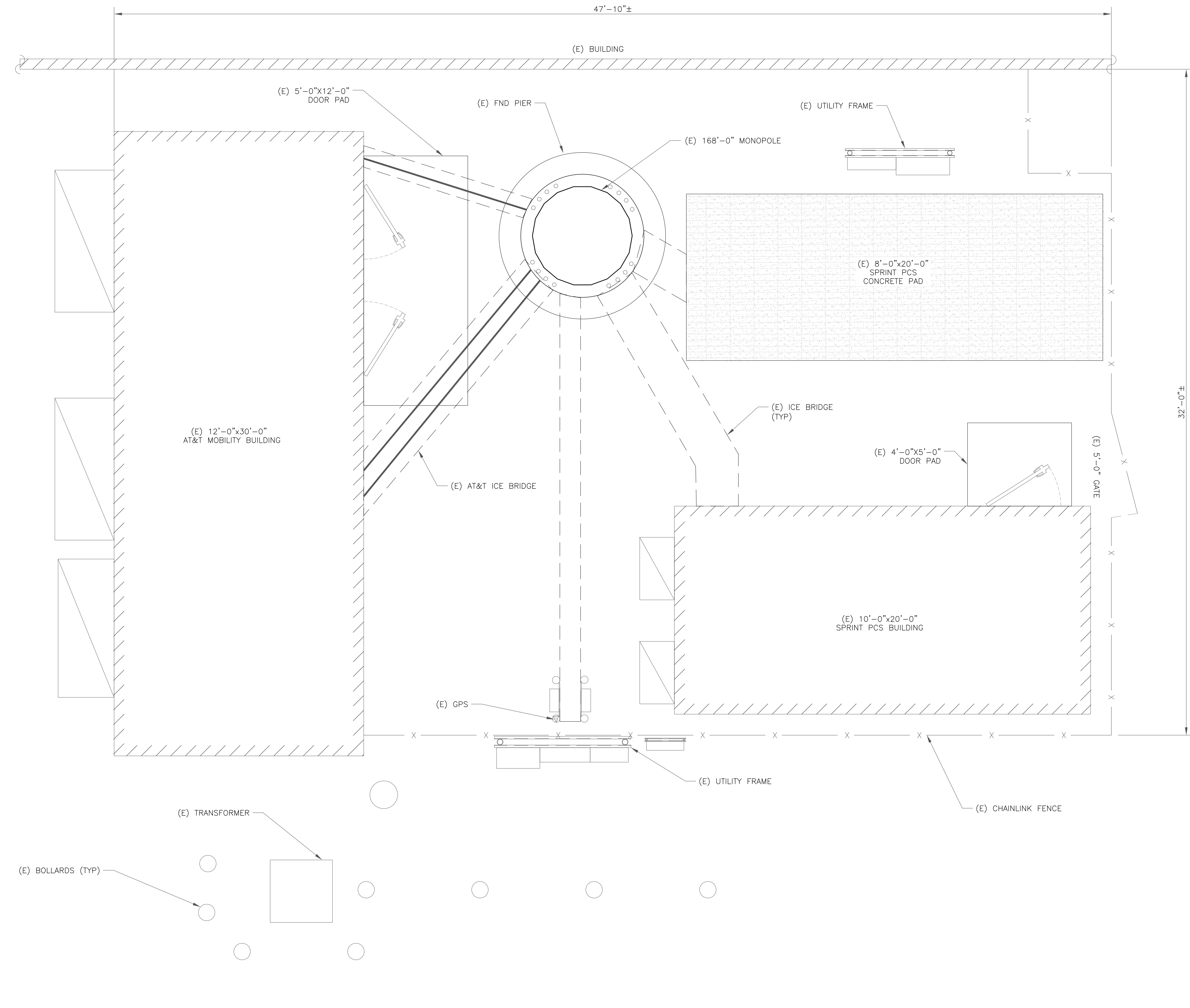
| REV | DATE | DRWN | DESCRIPTION | DES./QA |
|-----|----------|------|--------------|---------|
| A | 11/24/20 | LHT | CONSTRUCTION | MTJ |
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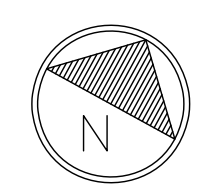
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SHEET NUMBER: **C-1.1** REVISION: **1**



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



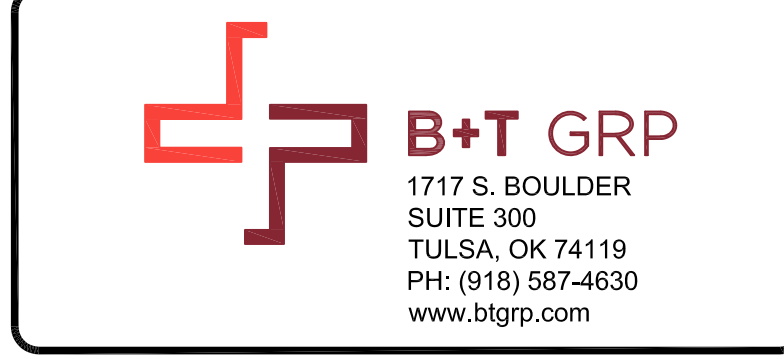
92492.003.01_WINDSORDAY_ETA_AT&T_10.30.2020.dwg - SheetC-1.1 - User: rcarson - Dec 28, 2020 - 9:57am



575 MOROSGO DRIVE
ATLANTA, GA 30324-3300



3530 TORINGDON WAY, SUITE 300
CHARLOTTE, NC 28277



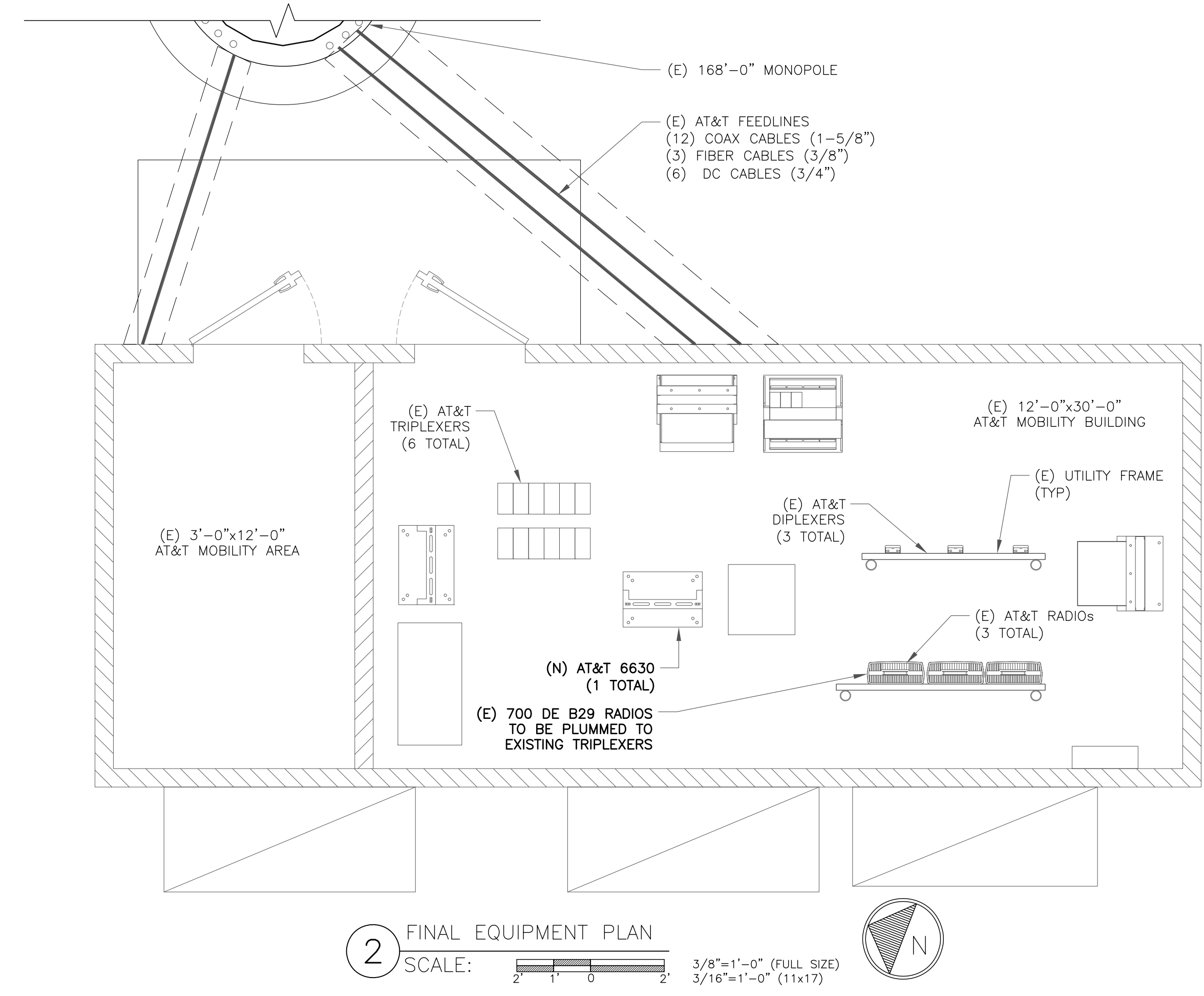
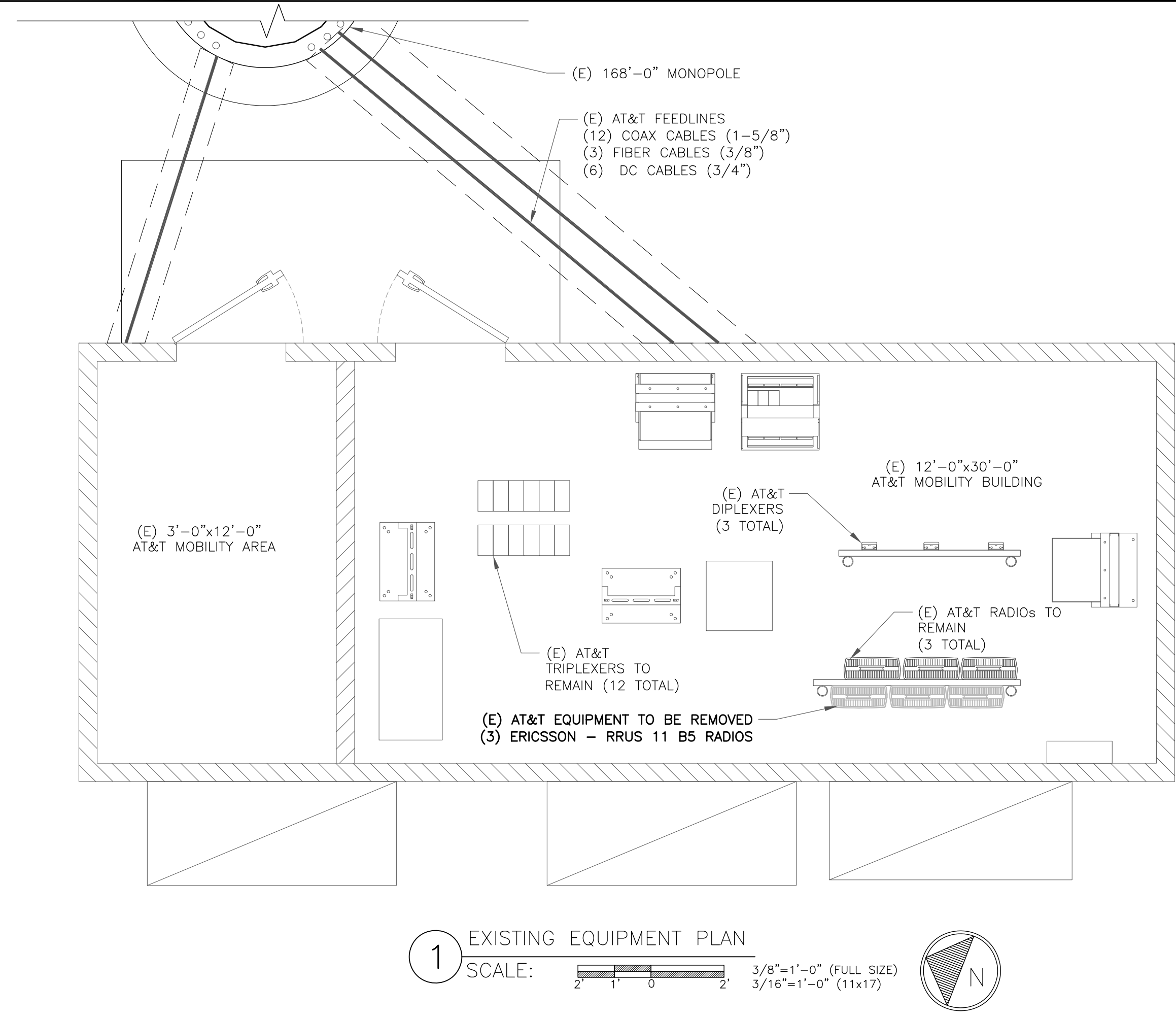
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99 DAY HILL ROAD
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EXISTING
168'-0" MONOPOLE



ISSUED FOR:

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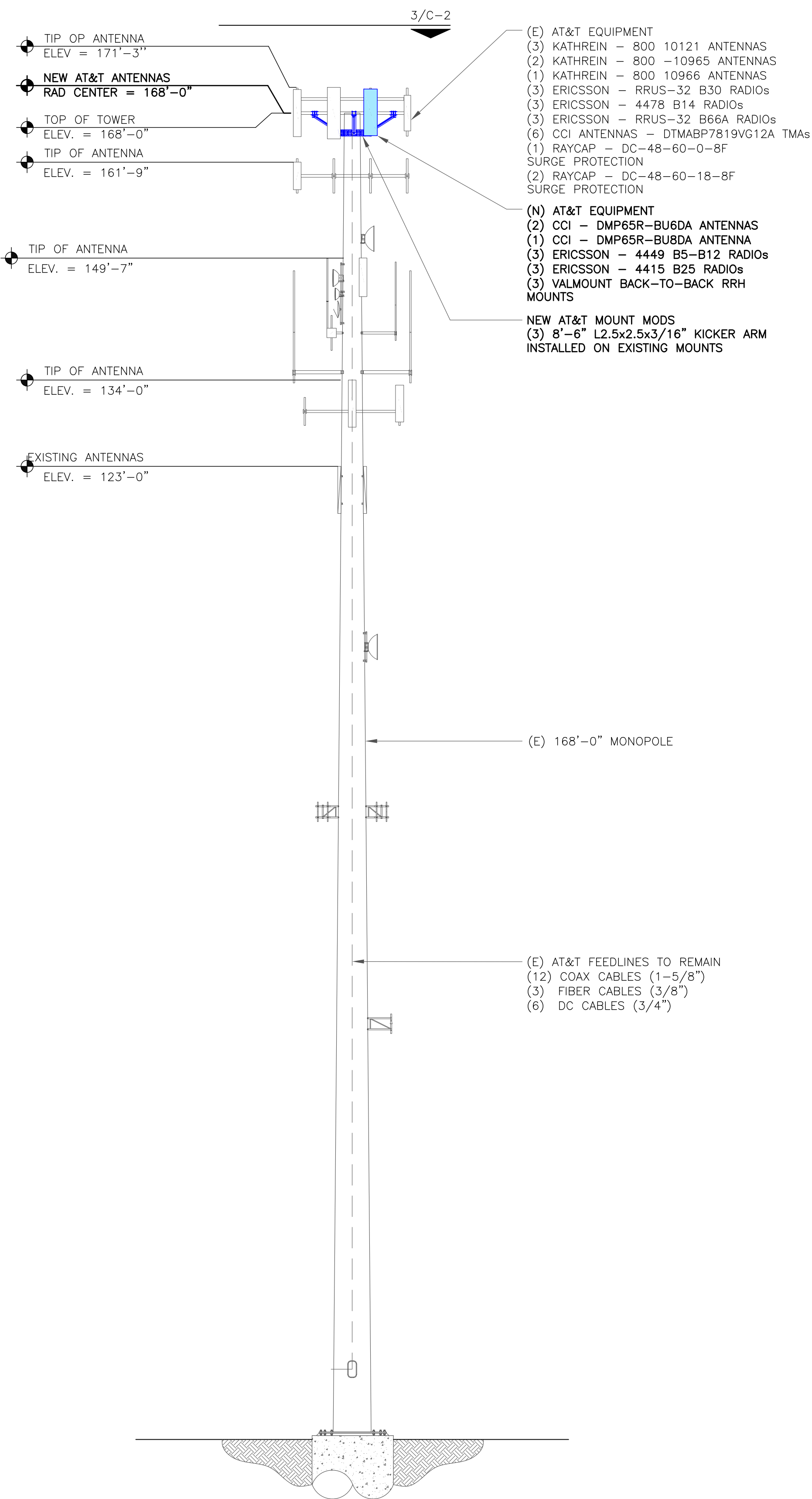


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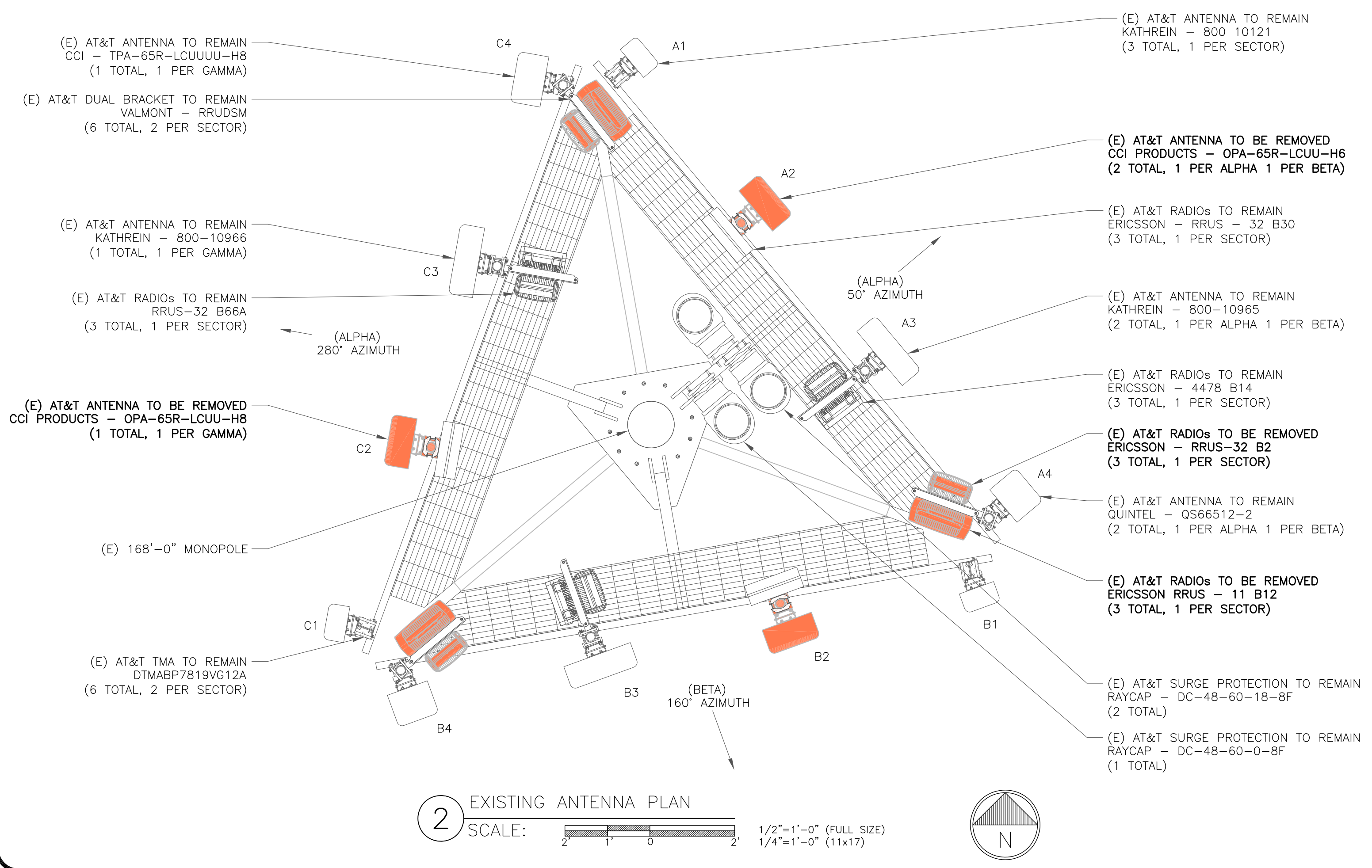
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SHEET NUMBER: **C-1.2** REVISION: **1**

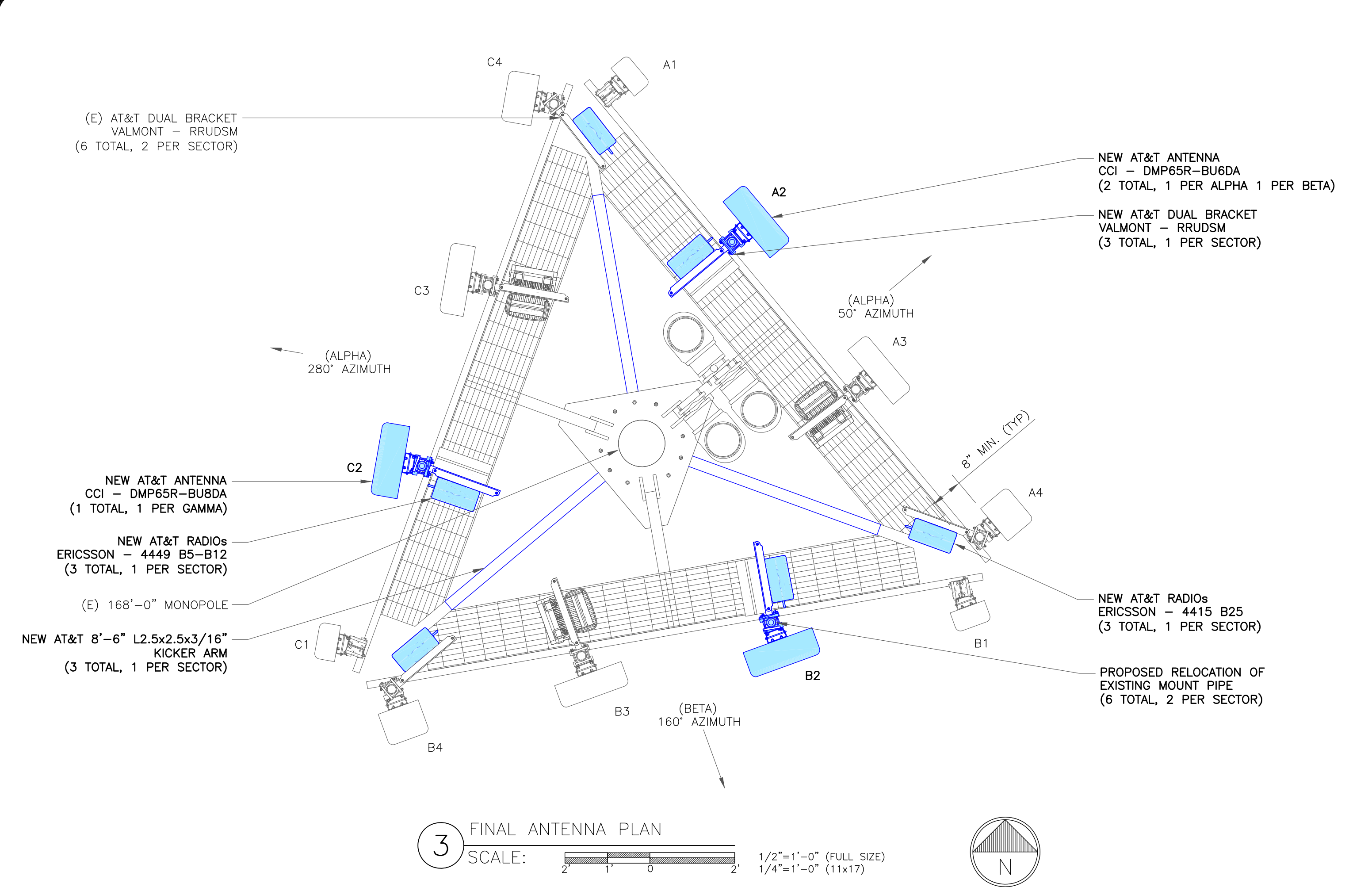
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1 FINAL ELEVATION
 SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
 SCALE: 1/2"=1'-0" (FULL SIZE)
 1/4"=1'-0" (11x17)



3 FINAL ANTENNA PLAN
 SCALE: 1/2"=1'-0" (FULL SIZE)
 1/4"=1'-0" (11x17)

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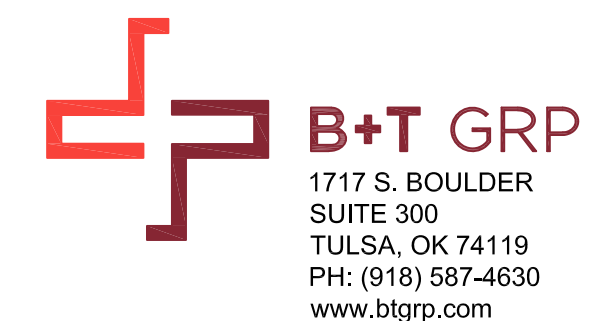
2/28/20

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SHEET NUMBER: **C-2** REVISION: **1**

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FINAL ANTENNA AND FEEDLINE SCHEDULE

| POS. | TECH | STATUS | AZIMUTH | ANTENNA TYPE | ANTENNA RAD CENTER | MECHANICAL DOWNTILT | ELECTRICAL DOWNTILT | MAIN COAX SIZE | MAIN COAX LENGTH | COAX QTY | TMA QTY AND MODEL | SURGE PROTECTION | DC/FIBER CABLES | RRHs QTY & MODEL | LOCATION | DIPLEXER ON TOWER | DIPLEXER ON GROUND | RET CABLE |
|--------------|---|------------|---------|----------------------|--------------------|---------------------|---------------------|----------------|------------------|----------|----------------------|---|---|------------------------------------|--------------|-------------------|--------------------|-----------|
| ALPHA SECTOR | | | | | | | | | | | | | | | | | | |
| A1 | UMTS 850 | EXISTING | 50° | KATHREIN - 800 10121 | 168'-0" | 0° | 6' | 1 5/8" | 200'-0" | 2 | (2) DTMABP7819V G12A | | | - | TOWER | N | Y | N |
| A2 | LTE 850 / LTE 700 / LTE WCS / 5G 850 | NEW | 50° | CCI-DMP65R-BU6D A | 168'-0" | 0° | 4' / 3' / 0' / 3' | - | - | - | - | (2) DC-48-60-18-8F (1) DC-48-60-0-8F | (2) DC POWER CABLE 3/4" (1) FIBER CABLE 1/8" | (1) 4449 B5-B12 (1) RRUS-32 B30 | TOWER | N | N | N |
| A3 | LTE 700 / LTE AWS | EXISTING | 50° | KATHREIN - 800-10965 | 168'-0" | 0° | 4' / 3' | - | - | - | - | | | (1) 4478 B14 (1) RRUS-32 B66A | TOWER | N | Y | N |
| A4 | LTE 700 / LTE 1900 | EXISTING | 50° | QUINTEL - QS66512-2 | 168'-0" | 0° | 4' / 3' / 3' / 3' | 1 5/8" | 200'-0" | 2 | - | | | (1) 4415 B25 (1) 700 DE B29 | TOWER GROUND | Y | Y | N |
| BETA SECTOR | | | | | | | | | | | | | | | | | | |
| A1 | UMTS 850 | EXISTING | 160° | KATHREIN - 800 10121 | 168'-0" | 0° | 8' | 1 5/8" | 200'-0" | 2 | (2) DTMABP7819V G12A | | | - | TOWER | N | Y | N |
| A2 | LTE 850 / LTE 700 / LTE WCS / 5G 850 | NEW | 160° | CCI-DMP65R-BU6D A | 168'-0" | 0° | 8' / 3' / 0' / 3' | - | - | - | - | | (2) DC POWER CABLE 3/4" (1) FIBER CABLE 1/8" | (1) 4449 B5-B12 (1) RRUS-32 B30 | TOWER | N | N | N |
| A3 | LTE 700 / LTE AWS | EXISTING | 160° | KATHREIN - 800-10965 | 168'-0" | 0° | 10' / 8' | - | - | - | - | | | (1) 4478 B14 (1) RRUS-32 B66A | TOWER | N | Y | N |
| A4 | LTE 700 / LTE 1900 | EXISTING | 160° | QUINTEL - QS66512-2 | 168'-0" | 0° | 10' / 7' / 7' / 7' | 1 5/8" | 200'-0" | 2 | - | | | (1) 4415 B25 (1) 700 DE B29 | TOWER GROUND | Y | Y | N |
| GAMMA SECTOR | | | | | | | | | | | | | | | | | | |
| A1 | UMTS 850 | EXISTING | 280° | KATHREIN - 800 10121 | 168'-0" | 0° | 4' | 1 5/8" | 200'-0" | 2 | (2) DTMABP7819V G12A | | | - | TOWER | N | Y | N |
| A2 | LTE 850 / LTE 700 / LTE WCS / 5G 850 | NEW | 280° | CCI-DMP65R-BU8D A | 168'-0" | 0° | 2' / 3' / 0' / 3' | - | - | - | - | | (2) DC POWER CABLE 3/4" | (1) 4449 B5-B12 (1) RRUS-32 B30 | TOWER | N | N | N |
| A3 | LTE 700 / LTE AWS | EXISTING | 280° | KATHREIN - 800-10965 | 168'-0" | 0° | 2' / 6' | - | - | - | - | | | (1) 4478 B14 (1) RRUS-32 B66A | TOWER | N | Y | N |
| A4 | LTE 700 / LTE 1900 | EXISTING | 280° | QUINTEL - QS66512-2 | 168'-0" | 0° | 2' / 6' / 6' / 6' | 1 5/8" | 200'-0" | 2 | - | | | (1) 4415 B25 (1) 700 DE B29 | TOWER GROUND | Y | Y | N |

NOTE: BOLD DENOTES NEW EQUIPMENT

AT&T SITE NUMBER:
CTL05139

BU #: **842875**
WINDSOR DAY HILL

99 DAY HILL ROAD
WINDSOR, CT 06095

EXISTING
168'-0" MONOPOLE

ISSUED FOR:

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Expires 2/10/21

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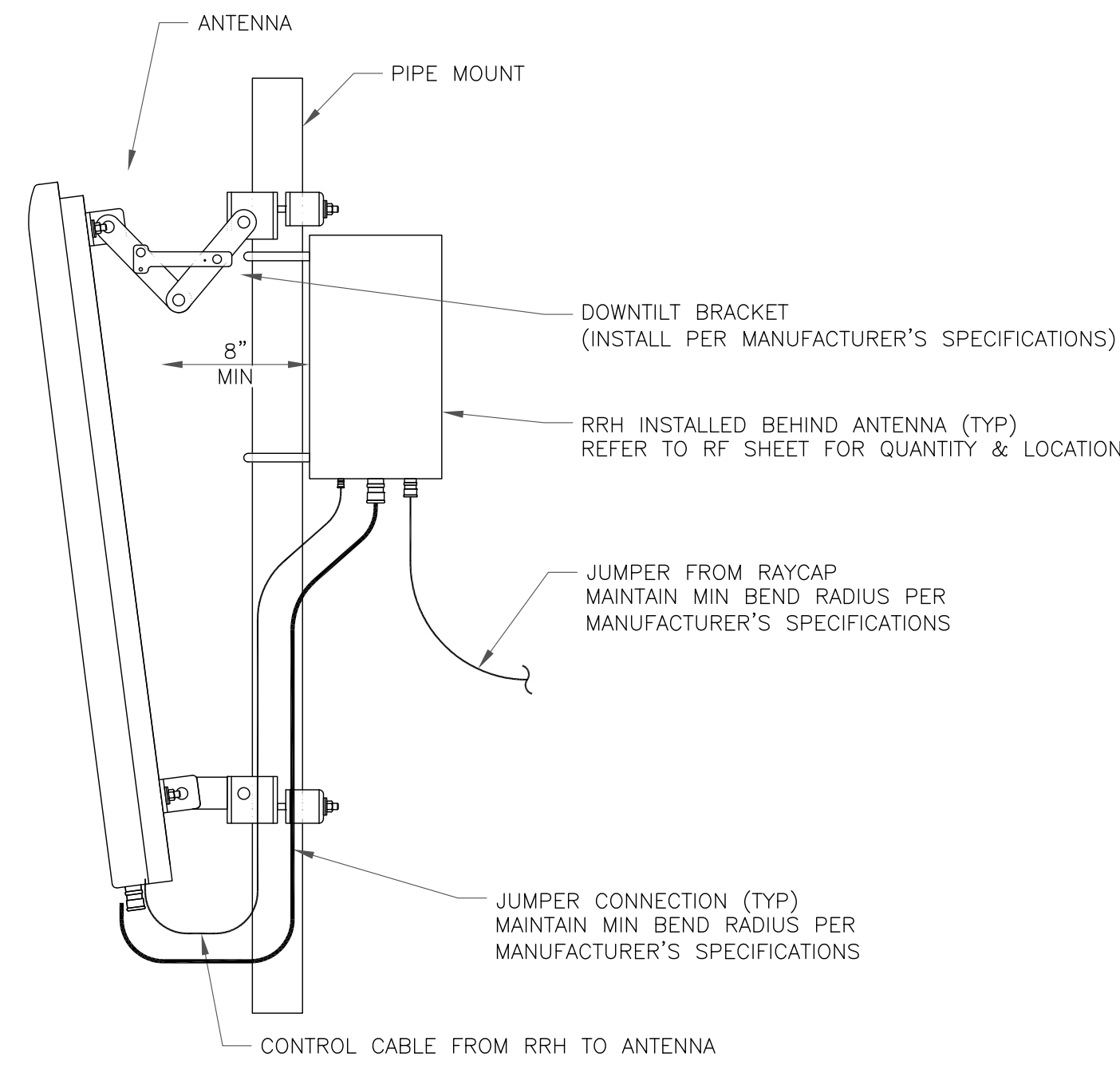
SHEET NUMBER:

C-3

REVISION:

1

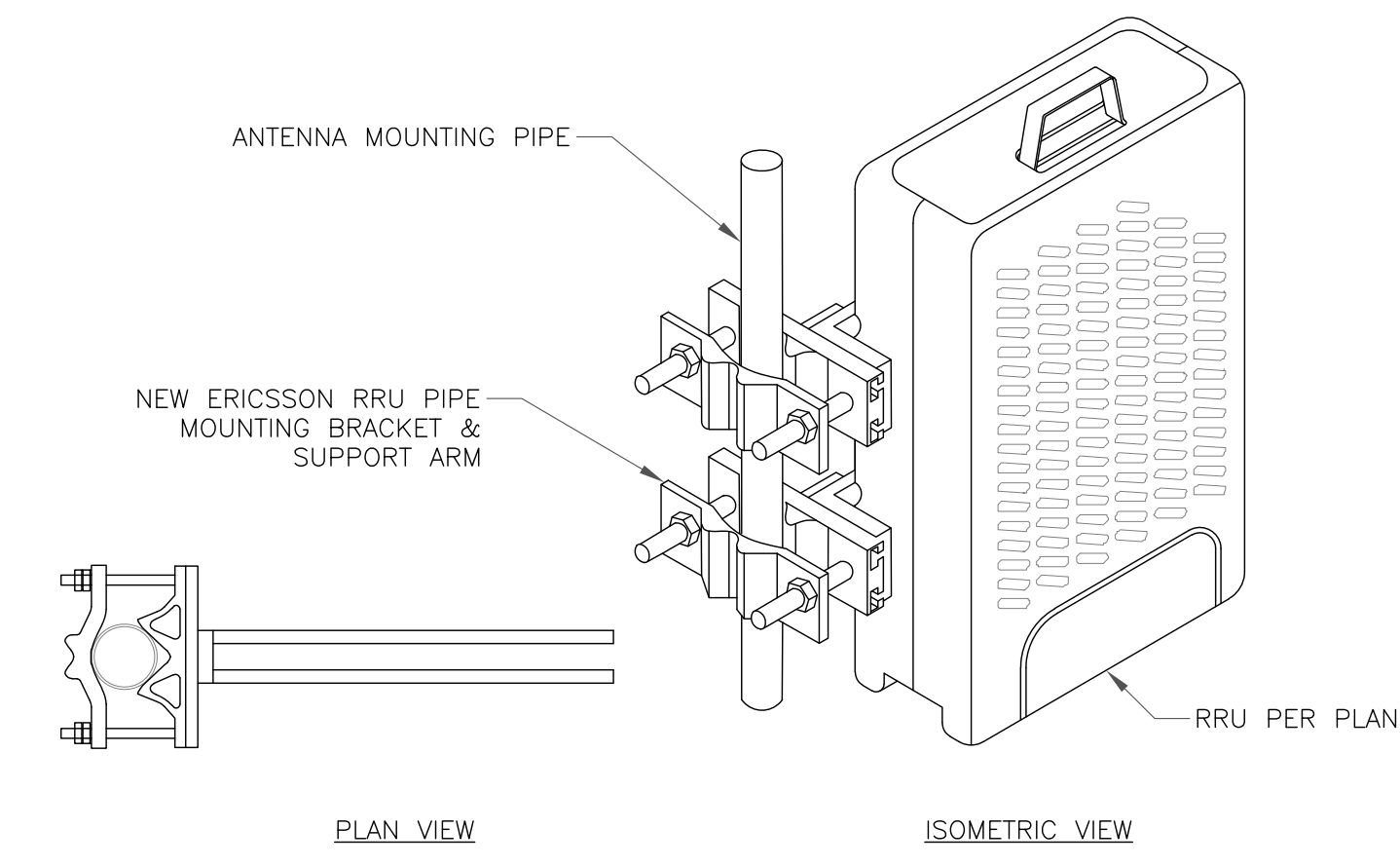
1 FINAL ANTENNA AND FEEDLINE SCHEDULE
SCALE: NOT TO SCALE



1 GENERIC ANTENNA MOUNTING ELEVATION
SCALE: NOT TO SCALE

ERICSSON RRU MOUNTING KIT:
 SXX 107 2839/1: SINGLE RRU SUPPORT KIT (PART # 5335) (OR ENGINEER APPROVED EQUIVALENT)
 SXX 107 2839/2: EXPANSION KIT (PART # 5336) (OR ENGINEER APPROVED EQUIVALENT)

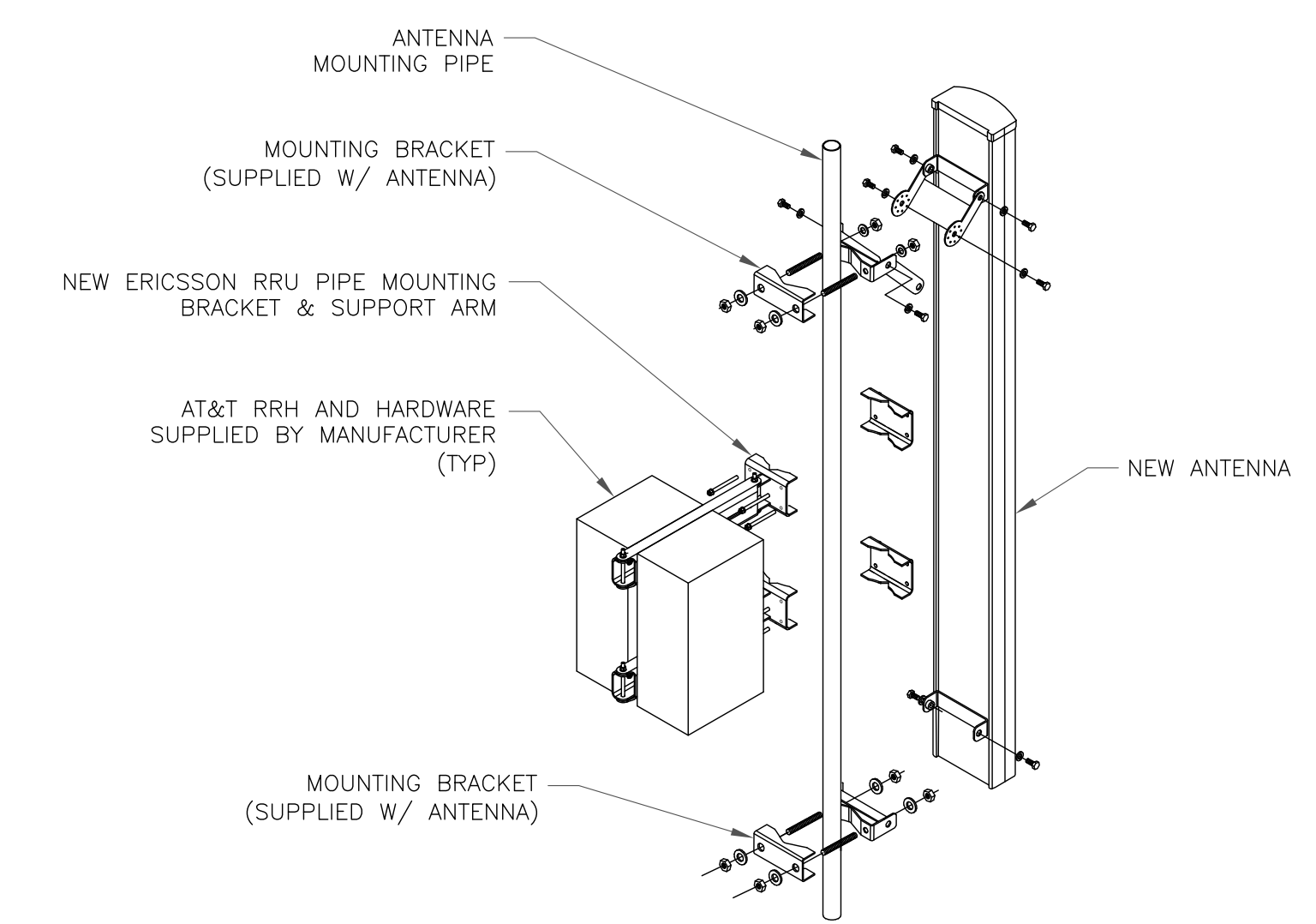
MOUNTING NOTES:
 REFER TO PRODUCT SPECS FOR BOLT SIZE & PIPE DIAMETER TOLERANCES. THE PART NO. SXX107-2839/2 IS REQUIRED FOR (2) RRUS.



2 ERICSSON - SXX 107 2839
SCALE: NOT TO SCALE

INSTALLER NOTES:

1. COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRHs RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING.
2. DO NOT OPEN RRH PACKAGES IN THE RAIN.
3. ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.
4. 8" MINIMUM DISTANCE BETWEEN BACK OF ANTENNA AND RADIO.



3 ANTENNA WITH DUAL RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

3530 TORINGDON WAY, SUITE 300
CHARLOTTE, NC 28277

1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.blgrp.com

AT&T SITE NUMBER:
CTL05139

BU #: **842875**
WINDSORDAY HILL

99 DAY HILL ROAD
WINDSOR, CT 06095

EXISTING
168'-0" MONOPOLE

ISSUED FOR:

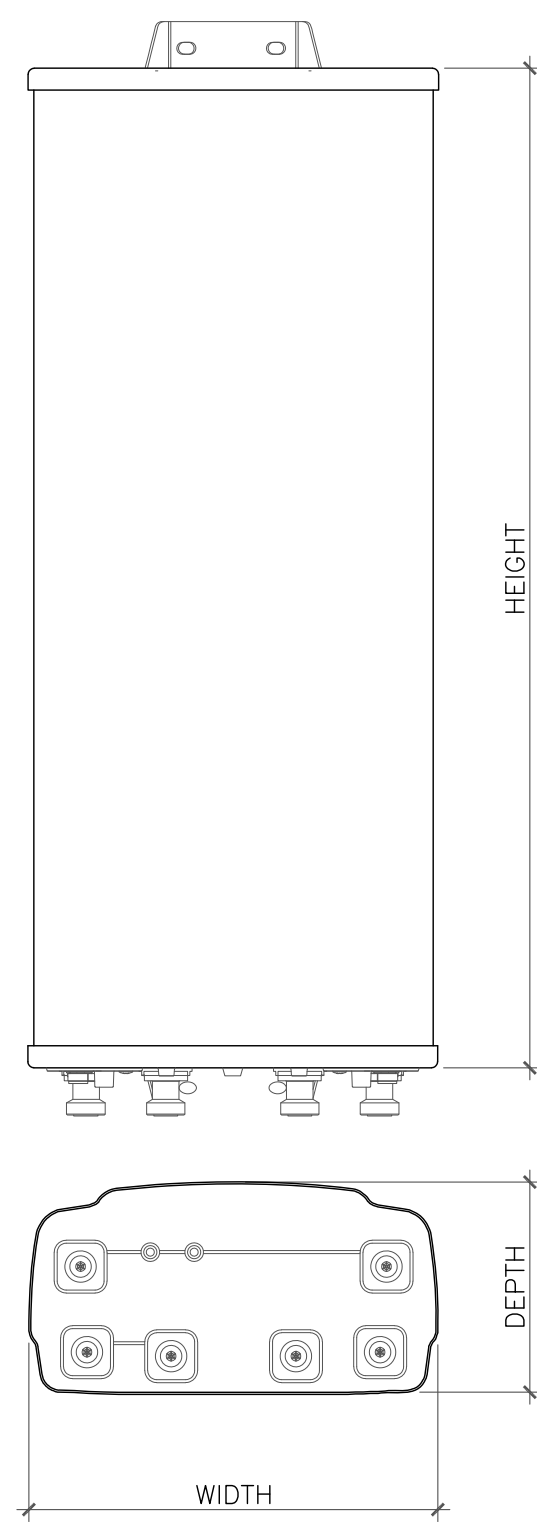
| REV | DATE | DRWN | DESCRIPTION | DES./QA |
|-----|----------|------|--------------|---------|
| A | 11/24/20 | LHT | CONSTRUCTION | MTJ |
| 0 | 12/11/20 | MLC | CONSTRUCTION | GEH |
| 1 | 12/28/20 | JJD | CONSTRUCTION | RMC |

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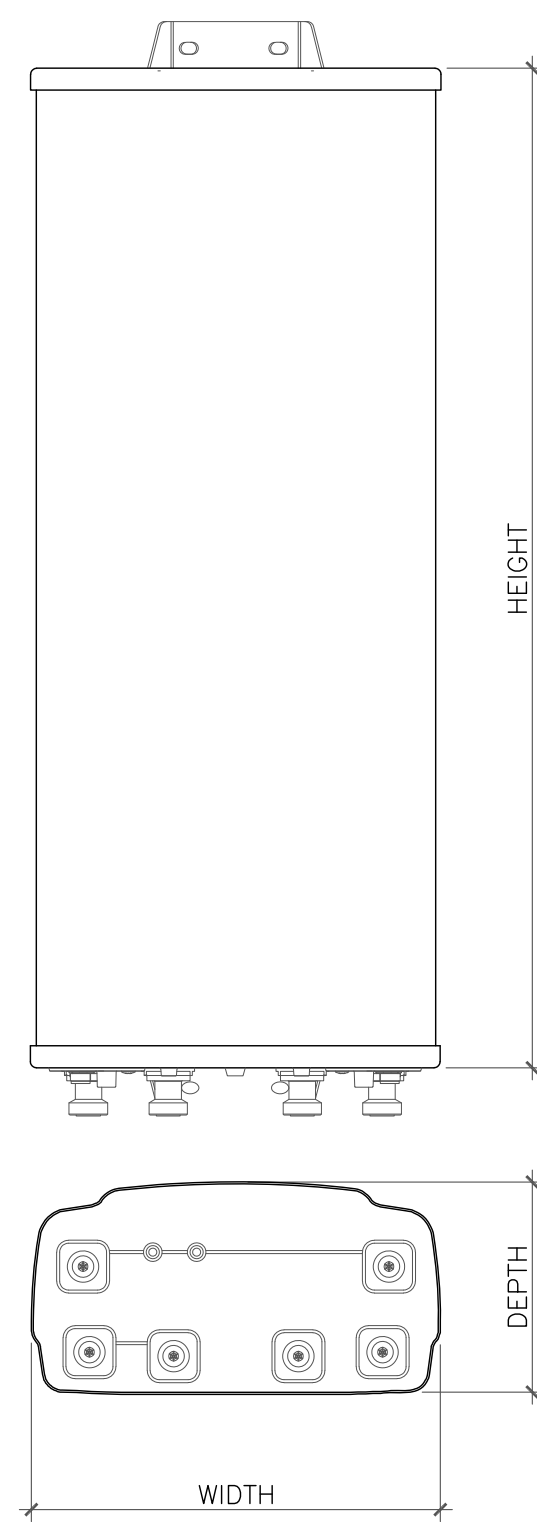
SHEET NUMBER: **C-4** REVISION: **1**

92492.003.01_WINDSORDAY_ET&T_10.30.2020.dwg - Sheet-C-4 - User: rcarson - Dec 28, 2020 - 9:57am



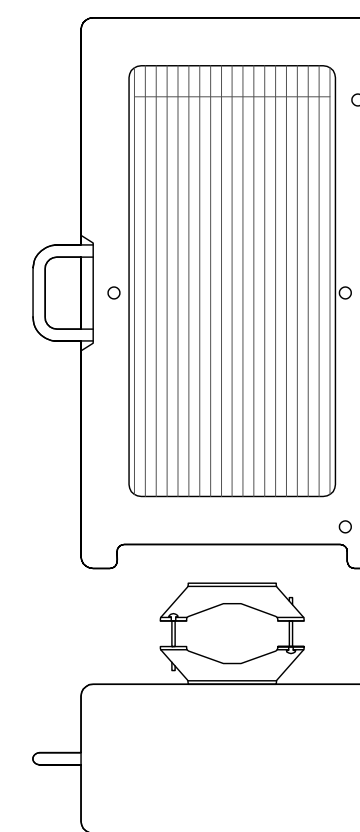
| ANTENNA DIMENSIONS (INCHES) | | | | |
|-----------------------------|--------|--------|-------|----------|
| MODEL | HEIGHT | WIDTH | DEPTH | WEIGHT |
| DMP65R-BU6D | 71.20" | 20.70" | 7.70" | 89.3 lbs |

1 ANTENNA DETAIL
SCALE: NOT TO SCALE



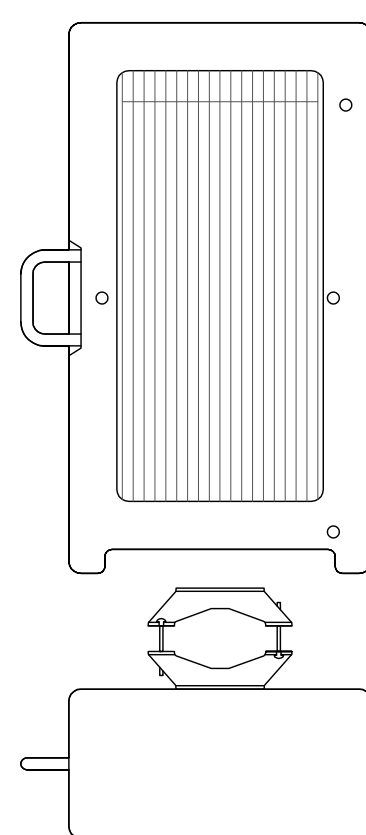
| ANTENNA DIMENSIONS (INCHES) | | | | |
|-----------------------------|--------|--------|-------|-----------|
| MODEL | HEIGHT | WIDTH | DEPTH | WEIGHT |
| DMP65R-BU8D | 96.0" | 20.70" | 7.70" | 105.6 lbs |

2 ANTENNA DETAIL
SCALE: NOT TO SCALE



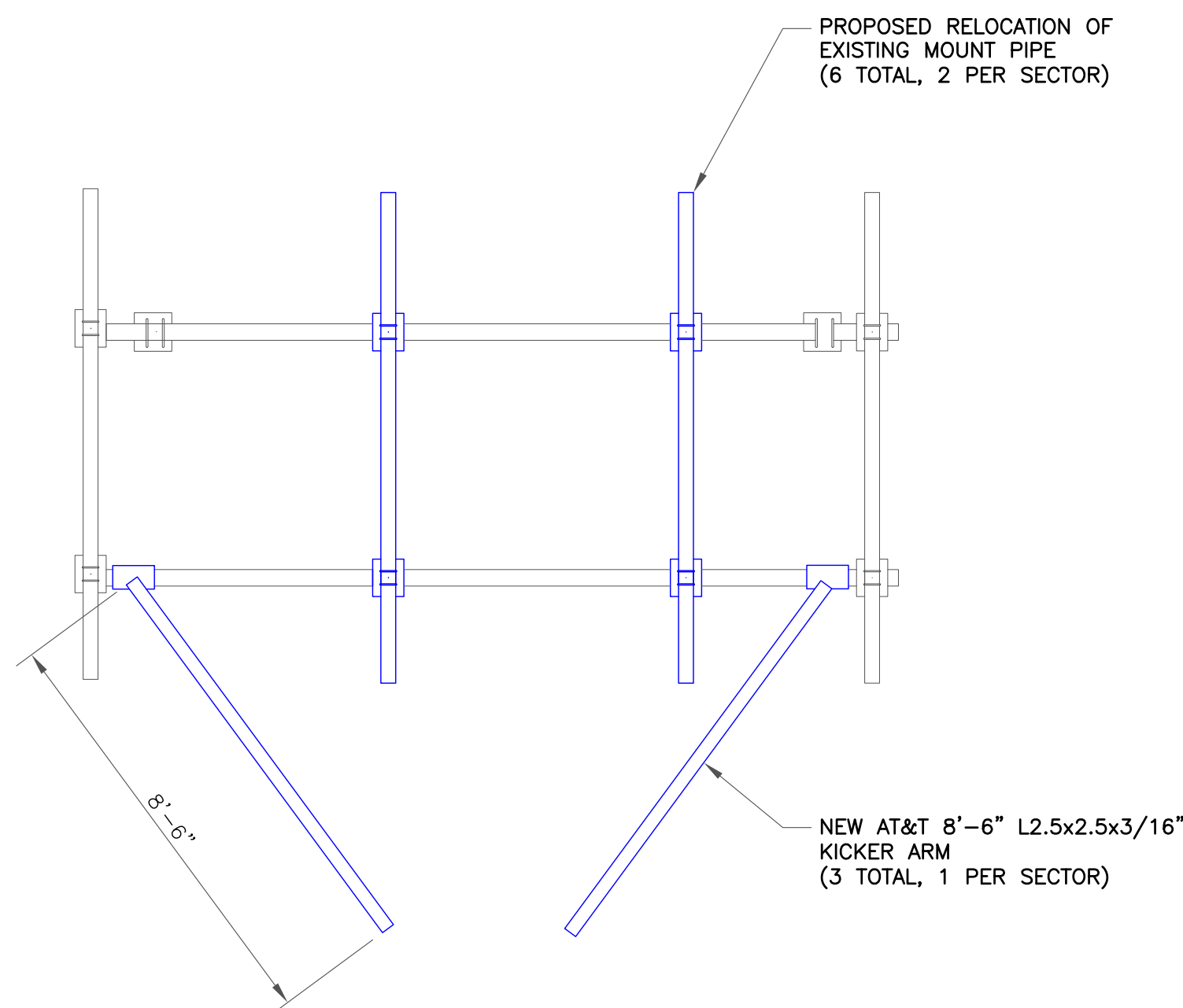
ERICSSON - RRUS 4415 B25
WEIGHT (FULLY EQUIPPED): 44 LBS
SIZE (HxWxD): 14.96x13.19x5.39 IN.
CONNECTOR TYPE: 4.3-10 FEMALE (4 TOTAL PORTS)

3 ERICSSON - RRUS 4415 B25
SCALE: NOT TO SCALE



ERICSSON - RRUS 4449 B5/B12
WEIGHT (FULLY EQUIPPED): 71 LBS
SIZE (HxWxD): 17.90x13.19x9.44 IN.
CONNECTOR TYPE: 4.3-10 FEMALE (4 TOTAL PORTS)

4 ERICSSON - RRUS 4449 B5/B12
SCALE: NOT TO SCALE



5 KICKER ARM
SCALE: NOT TO SCALE

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

CROWN CASTLE
3530 TORINGDON WAY, SUITE 300
CHARLOTTE, NC 28277

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

AT&T SITE NUMBER:
CTL05139

BU #: **842875**
WINDSORDAY HILL

99 DAY HILL ROAD
WINDSOR, CT 06095

EXISTING
168'-0" MONOPOLE

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | DES./QA |
|-----|----------|------|--------------|---------|
| A | 11/24/20 | LHT | CONSTRUCTION | MTJ |
| 0 | 12/11/20 | MLC | CONSTRUCTION | GEH |
| 1 | 12/28/20 | JJD | CONSTRUCTION | RMC |



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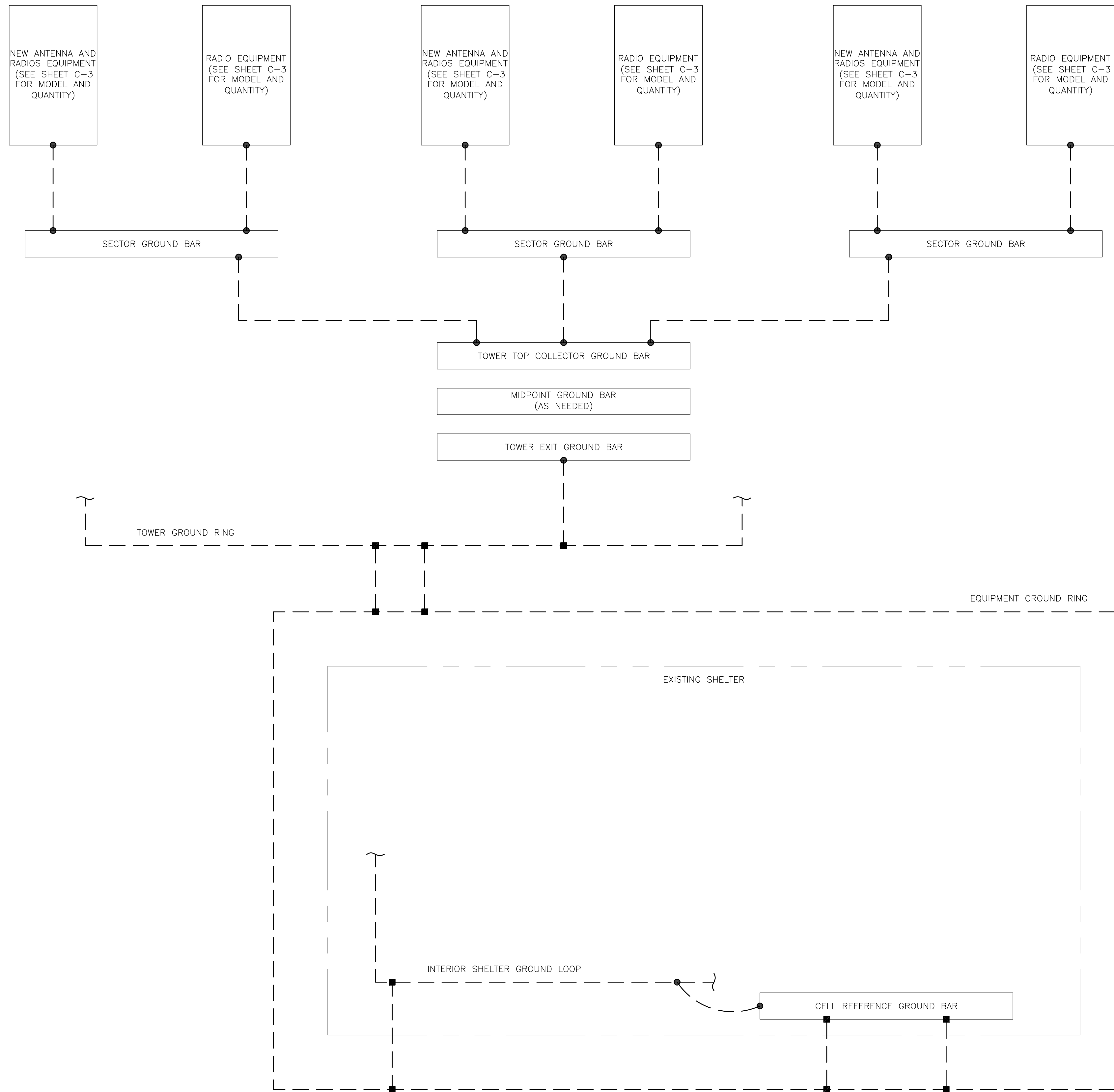
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SHEET NUMBER:

C-5

REVISION:

1



GROUNDING PLAN LEGEND:

| | | | |
|-----|-----------------------|---|-------------------------|
| --- | GROUND WIRE | ⊙ | COPPER GROUND ROD |
| ■ | EXOTHERMIC WELD | ⊗ | GROUND ROD W/ TEST WELL |
| ● | MECHANICAL CONNECTION | | |

CELL REFERENCE GROUND BAR: POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 STRANDED GREEN INSULATED COPPER CONDUCTORS. BOND TO GROUND RING WITH (2) #2 SOLID TINNED COPPER CONDUITS (ATT-TP-76416 7.6.7).

HATCH PLATE GROUND BAR: BOND TO THE INTERIOR GROUND RING WITH (2) #2 STRANDED GREEN INSULATED COPPER CONDUCTORS. WHEN A HATCH-PLATE AND A CELL REFERENCE GROUND BAR ARE BOTH PRESENT, THE CELL SITE REFERENCE GROUND BAR MUST BE CONNECTED TO THE HATCH-PLATE AND TO THE INTERIOR GROUND RING USING (2) #2 STRANDED GREEN INSULATED COPPER CONDUCTORS.

EXTERIOR CABLE ENTRY PORT GROUND BARS: LOCATED AT THE ENTRANCE TO THE CELL SITE BUILDING. BOND TO GROUND RING WITH A #2 SOLID TINNED COPPER CONDUCTORS WITH AN EXOTHERMIC WELD AND INSPECTION SLEEVE (ATT-TP-76416 7.6.7.2).

DURING ALL DC POWER SYSTEM CHANGES INCLUDING DC SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BREAKER DISTRIBUTION CHANGES, BATTERY ADDITIONS, BATTERY REPLACEMENTS AND INSTALLATIONS OR CHANGES TO DC CONVERTER SYSTEMS IT SHALL BE REQUIRED THAT SERVICES CONTRACTORS VERIFY ALL DC POWER SYSTEMS ARE EQUIPPED WITH MASTER DC SYSTEM RETURN GROUND CONDUCTOR FROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY CONNECTED TO THE CELL SITE REFERENCE GROUND BAR PER TP76300 SECTION H 6 AND TP76416 FIGURE 7-11 REQUIREMENTS.

575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

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CHARLOTTE, NC 28277

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AT&T SITE NUMBER:
CTL05139

BU #: 842875
WINDSORDAY HILL

99 DAY HILL ROAD
WINDSOR, CT 06095

EXISTING
168'-0" MONOPOLE

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | DES./QA |
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| 0 | 12/11/20 | MLC | CONSTRUCTION | GEH |
| 1 | 12/28/20 | JJD | CONSTRUCTION | RMC |

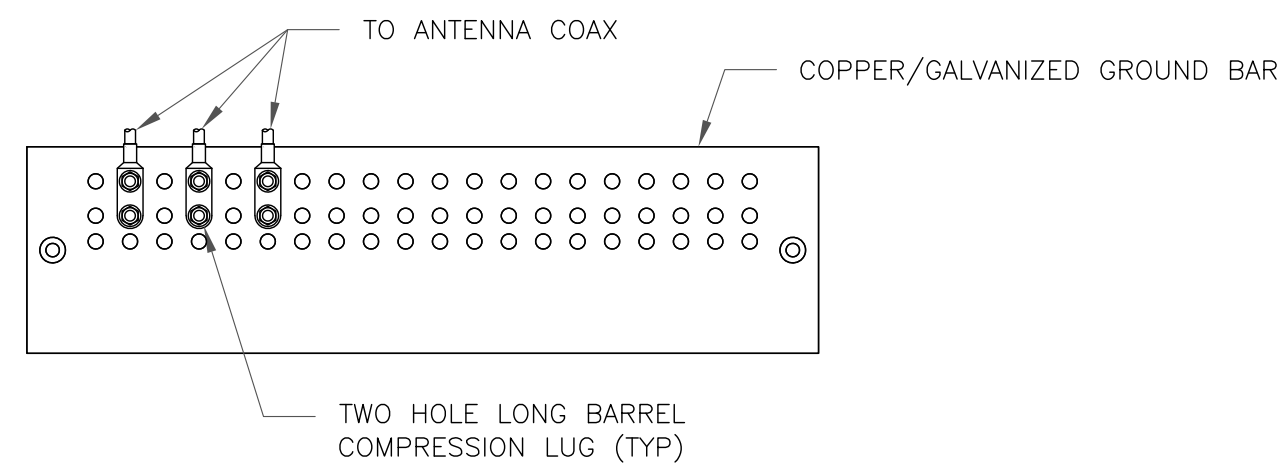
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PEC.0001564
Expires 2/10/21

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SHEET NUMBER: **G-1** **REVISION:** **1**

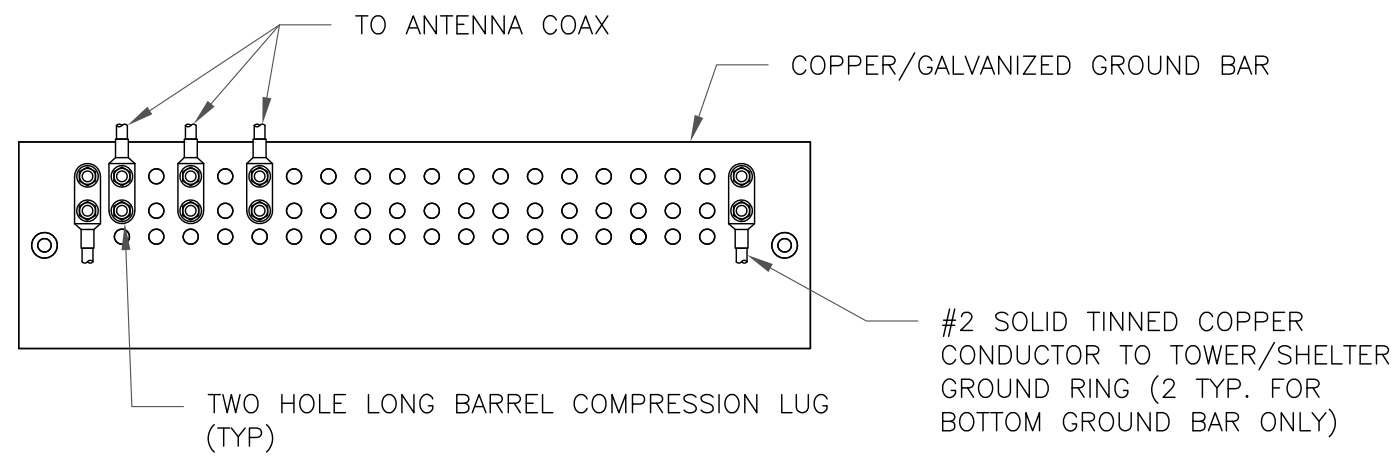
1 GROUNDING SCHEMATIC
SCALE: NOT TO SCALE

92492.003.01_WINDSORDAY_ETA_AT&T_10.30.2020.dwg - Sheet:G-1 - User: rcarson - Dec 28, 2020 - 9:57am



- NOTES:
1. DOUBLING UP "OR STACKING" OF CONNECTIONS IS NOT PERMITTED.
 2. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
 3. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO ANTENNA MOUNT STEEL.

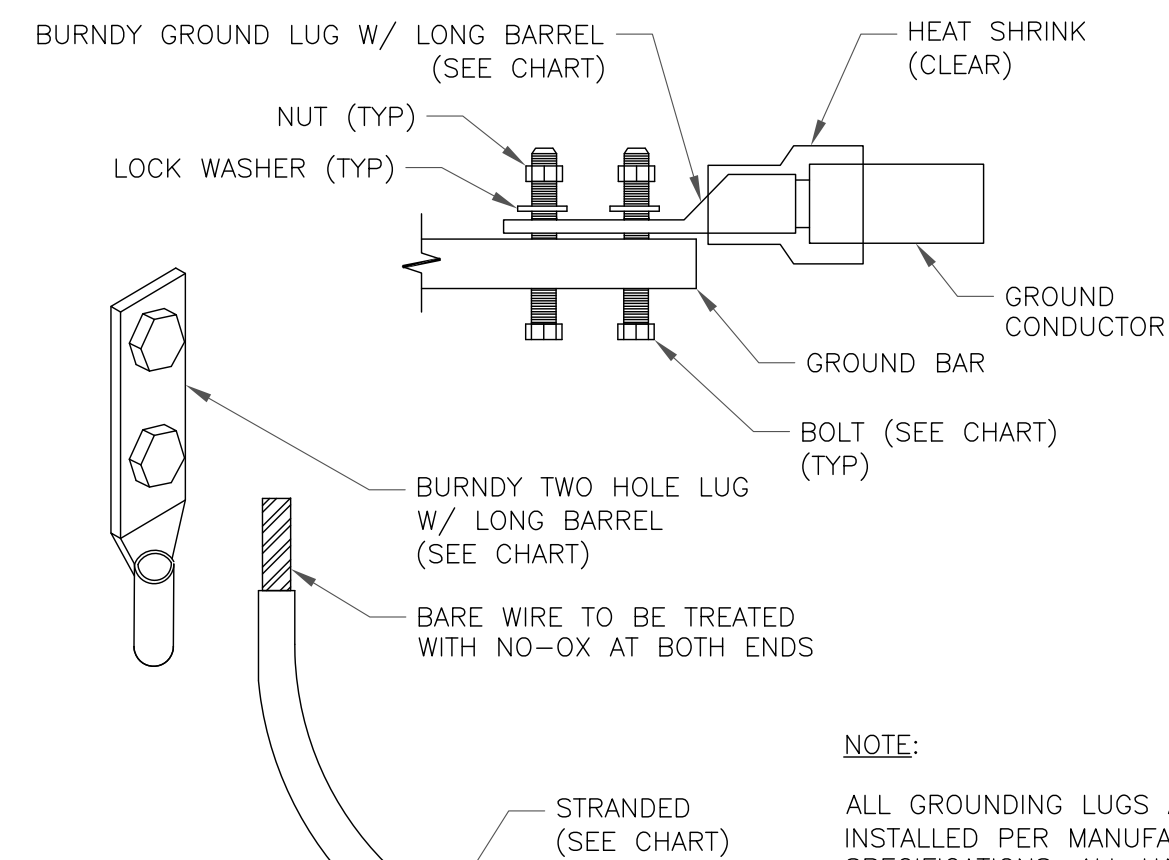
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



- NOTES:
1. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
 2. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
 3. GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.

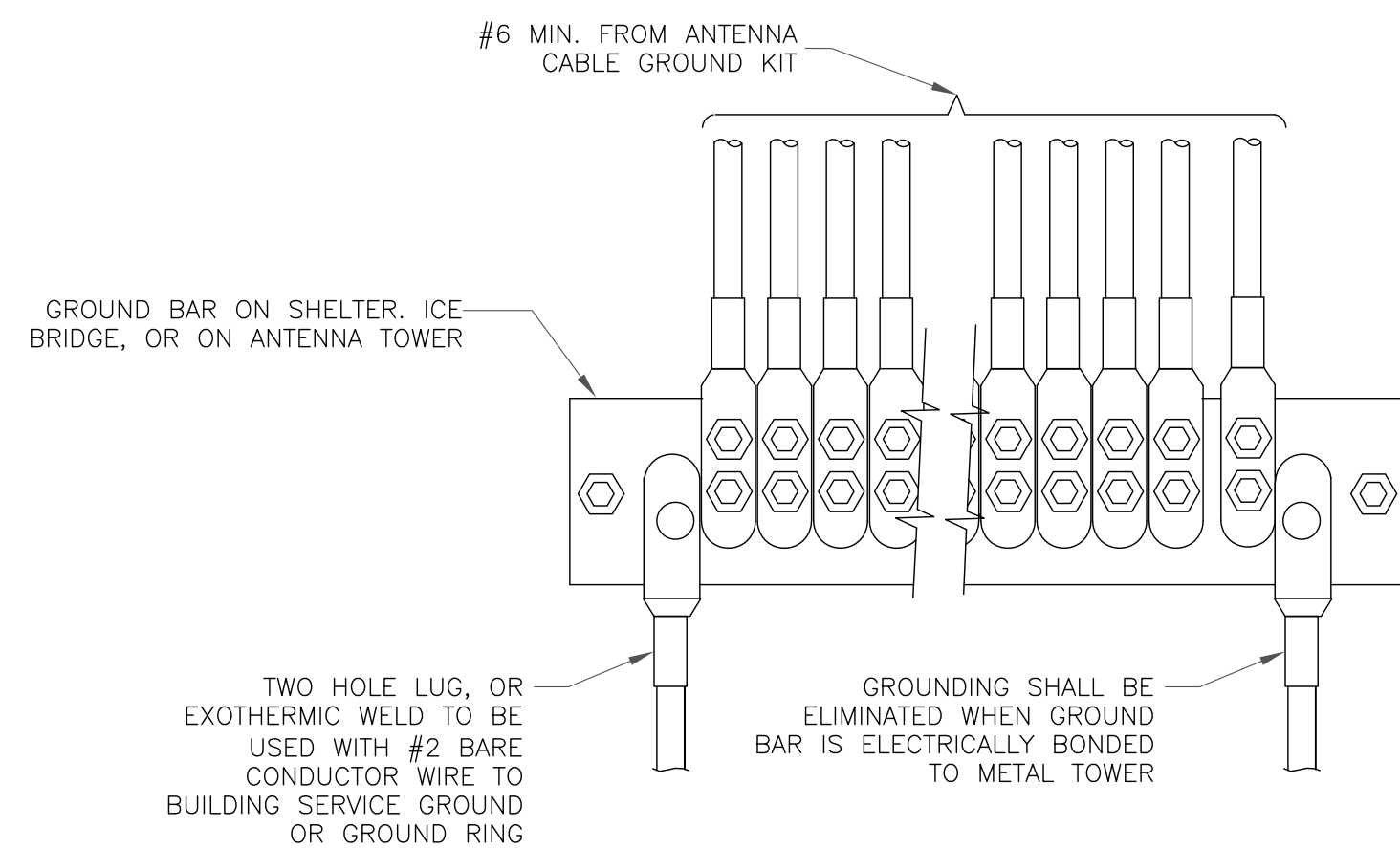
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE

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

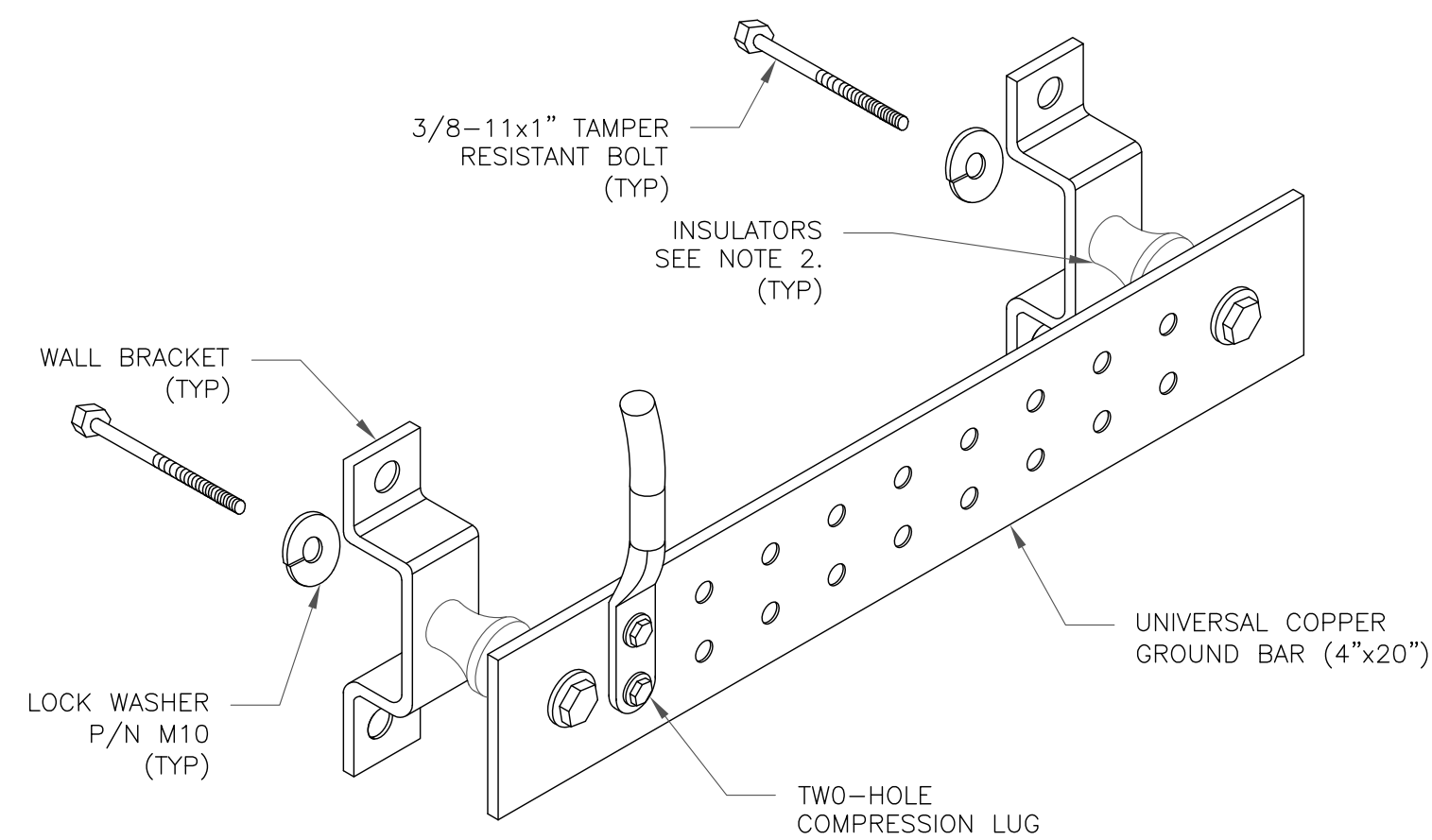


- NOTE:
- ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

3 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE

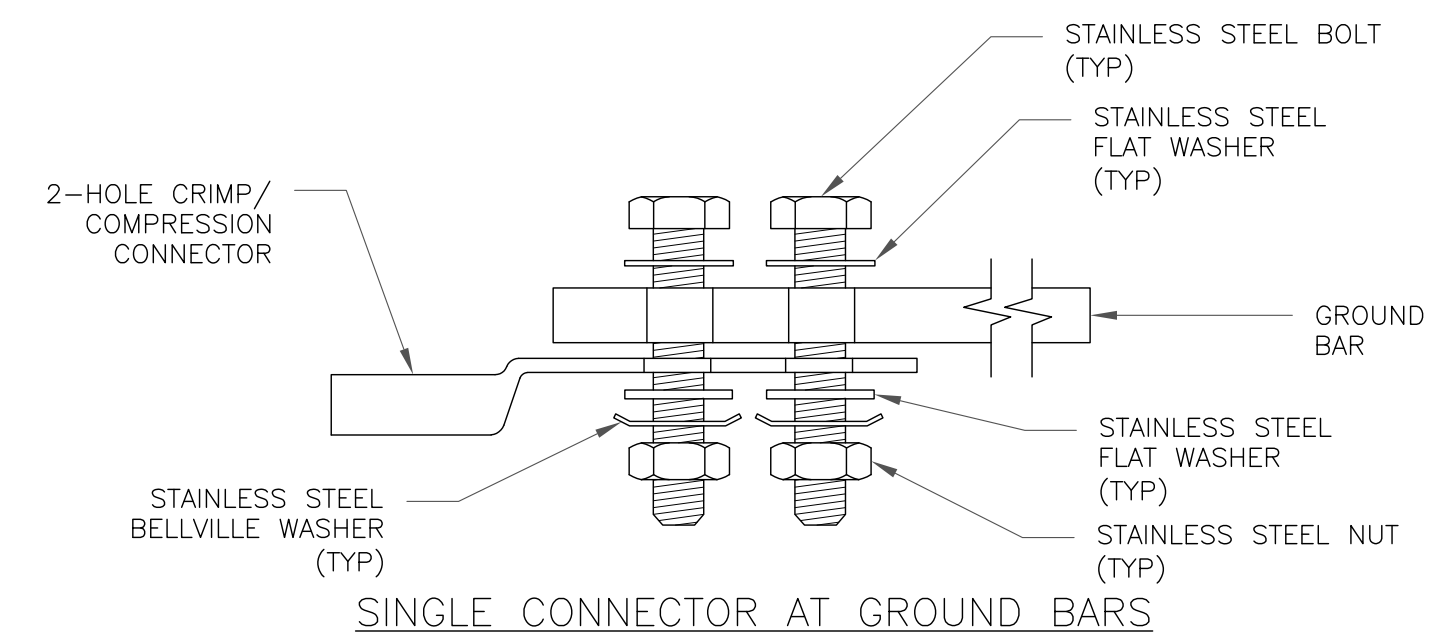


4 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE

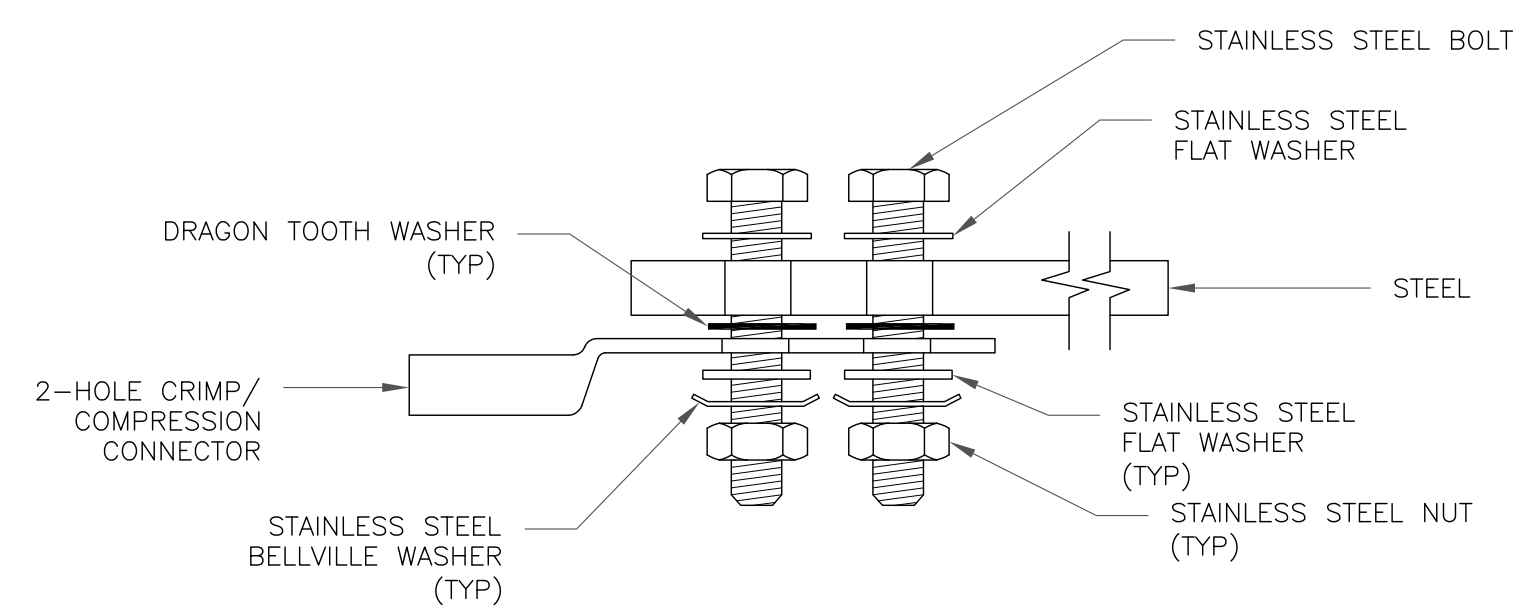


- NOTES:
1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
 2. OMIT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

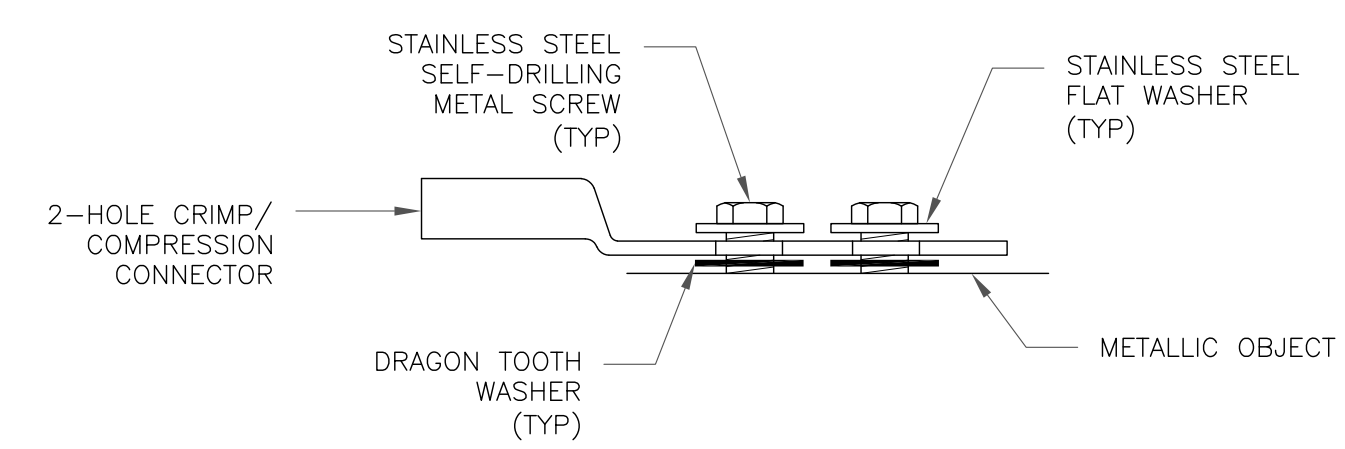
5 GROUND BAR DETAIL
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

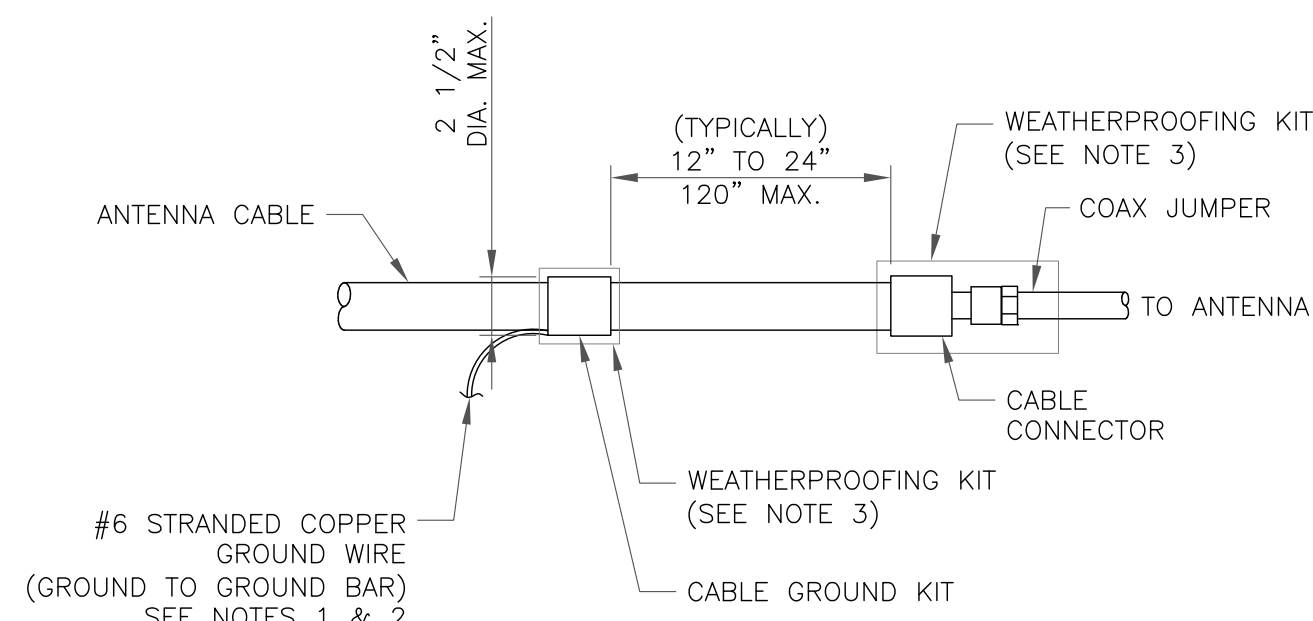


SINGLE CONNECTOR AT STEEL OBJECTS



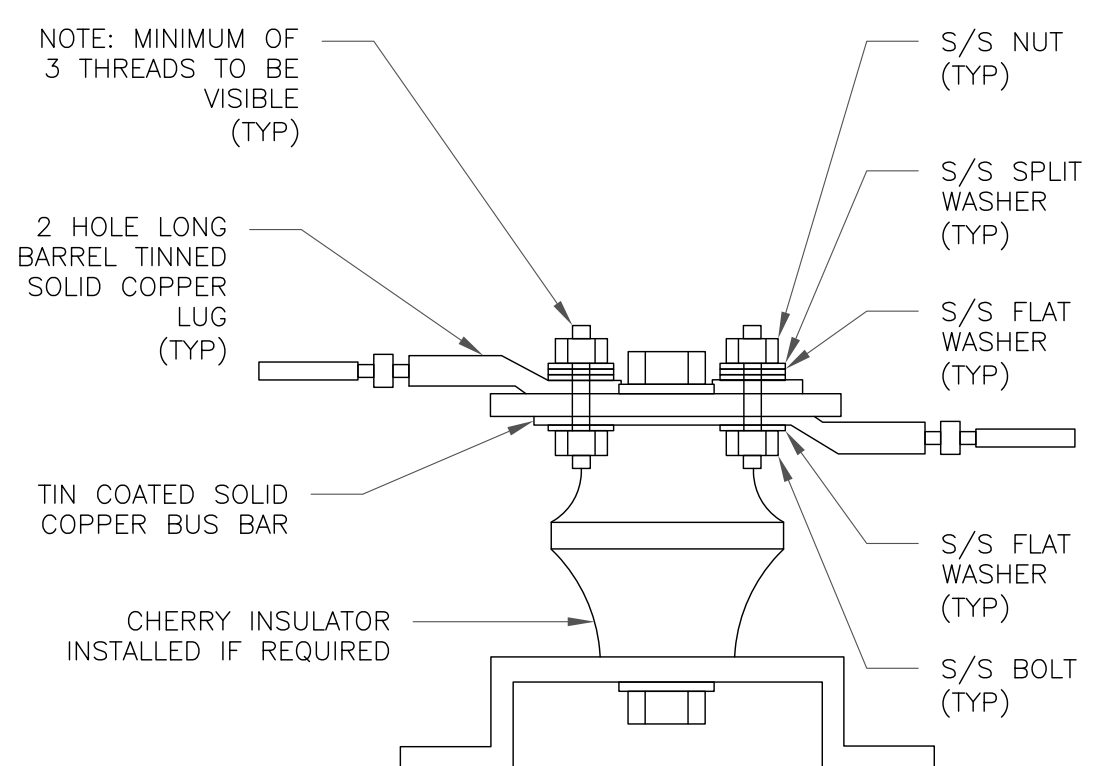
SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

8 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE

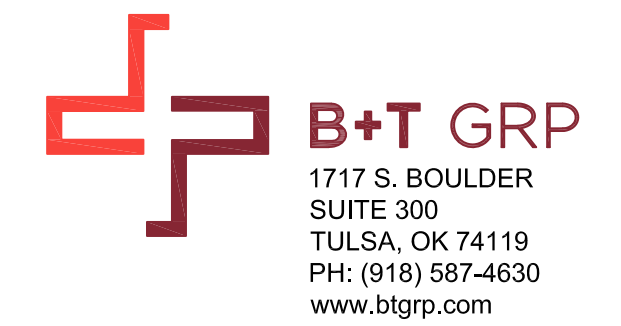


- NOTES:
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
 3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

6 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



AT&T SITE NUMBER:
CTL05139

BU #: 842875
WINDSOR DAY HILL

99 DAY HILL ROAD
WINDSOR, CT 06095

EXISTING
168'-0" MONOPOLE

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | DES./QA |
|-----|----------|------|--------------|---------|
| A | 11/24/20 | LHT | CONSTRUCTION | MTJ |
| 0 | 12/11/20 | MLC | CONSTRUCTION | GEH |
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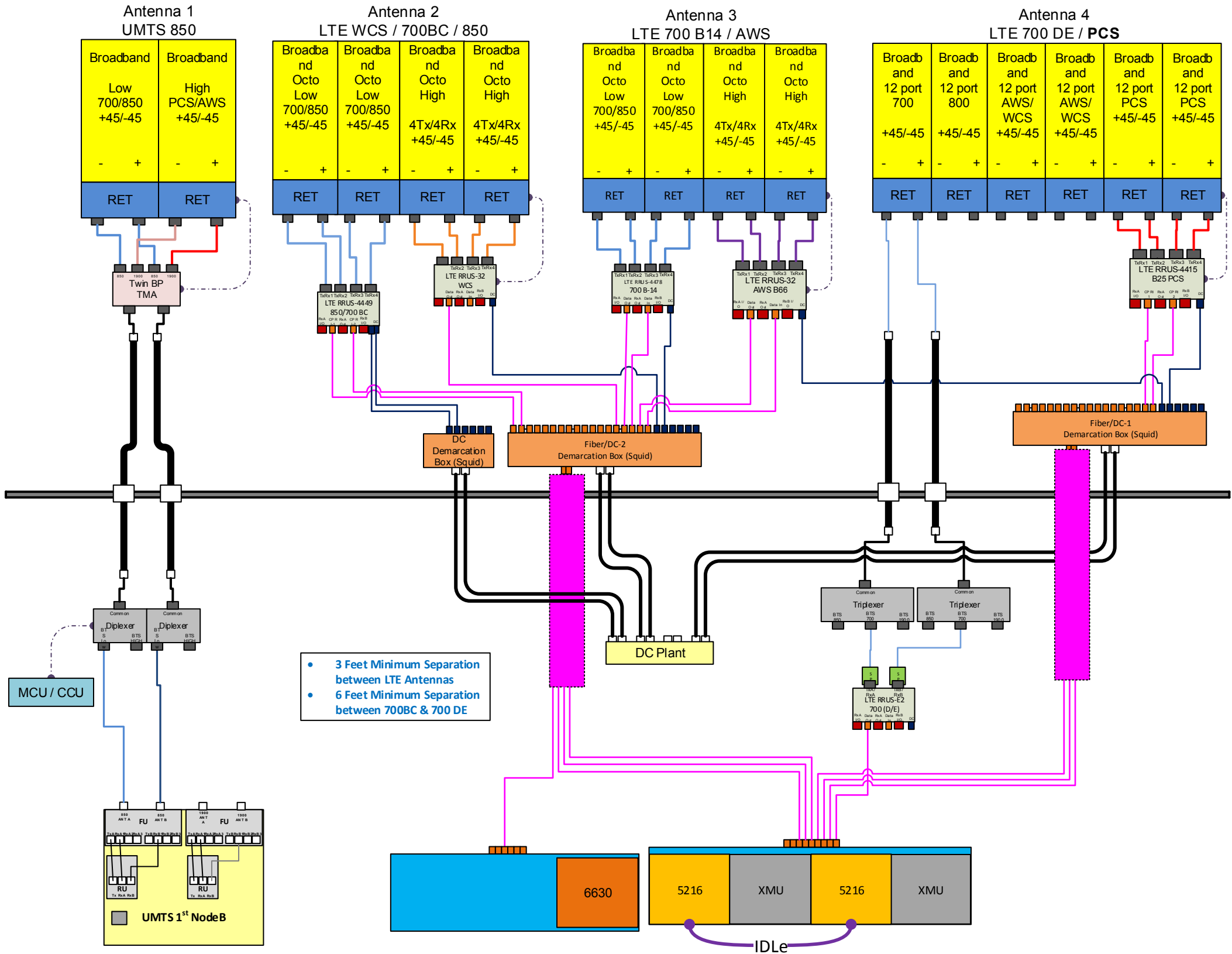
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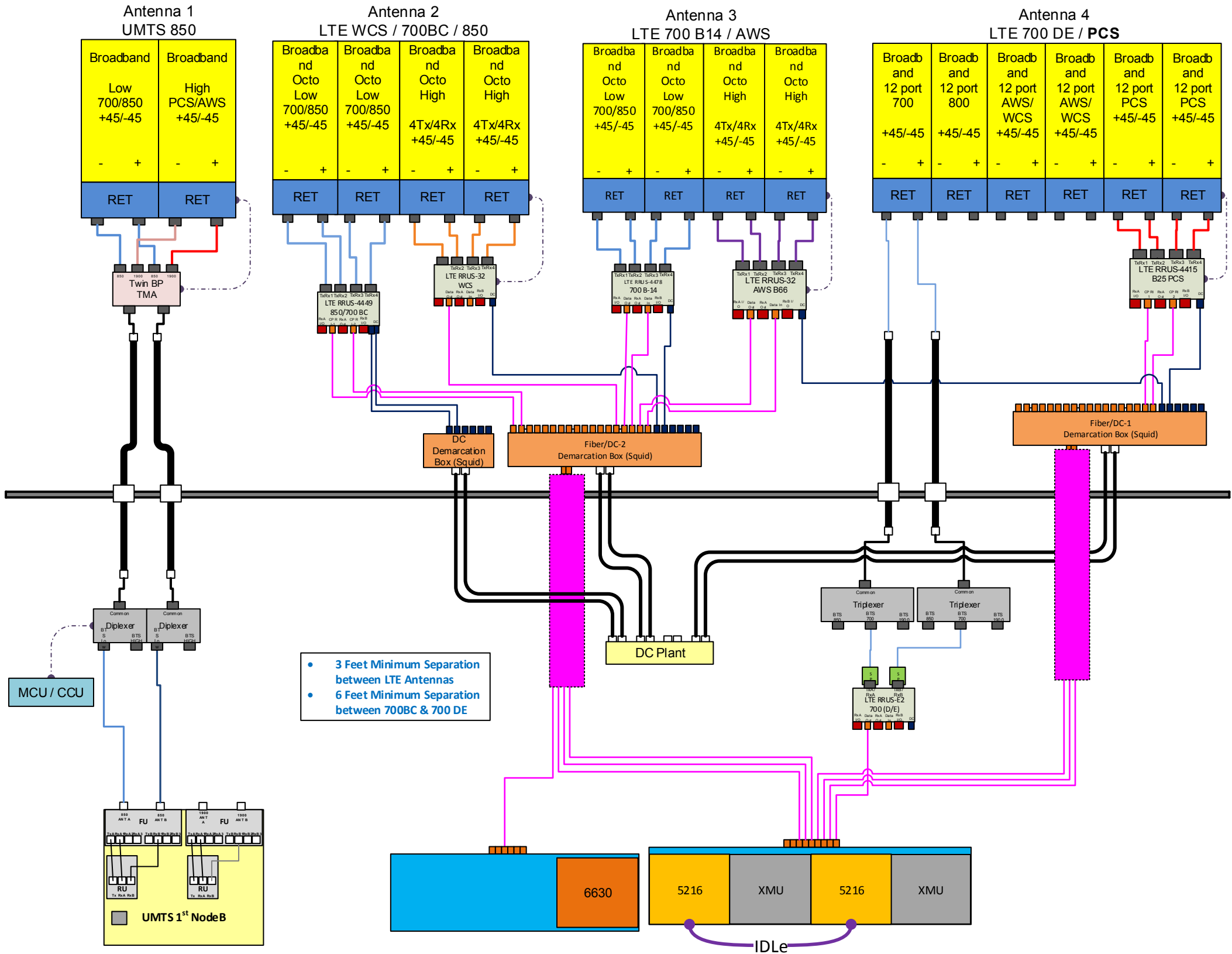
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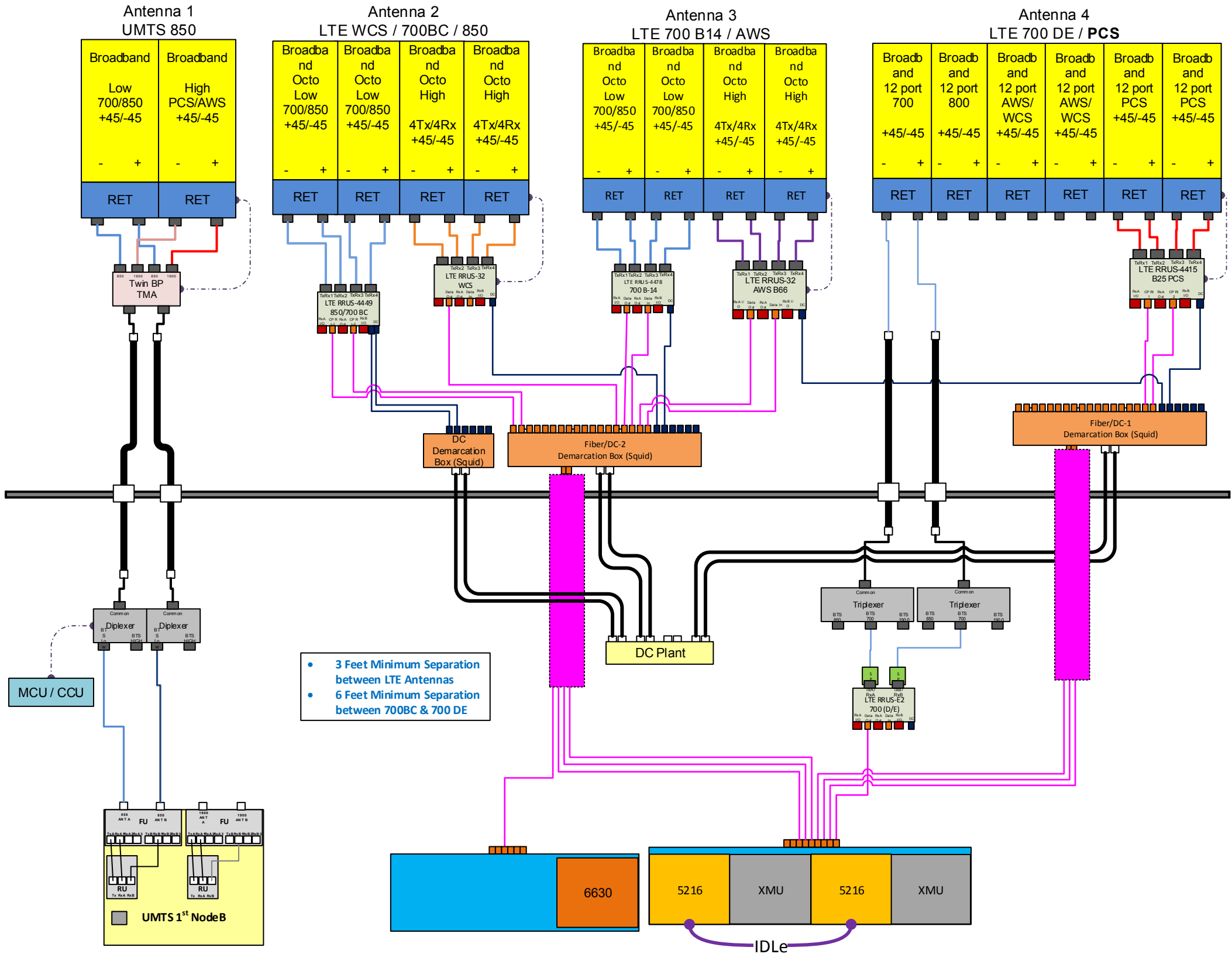
G-2

REVISION:

1









SITE:
842875 WINDSORDAY HILL (10071331)

MODIFICATION DRAWING FOR AN EXISTING 14' PLATFORM W/ SUPPORT RAILS AT 168' ON A 168' MONOPOLE TOWER

PLANS PREPARED FOR:
CROWN CASTLE

PLANS PREPARED BY:
POD
 POWER OF DESIGN
 1033 E. TURKEYFOOT LAKE RD.
 SUITE 206 AKRON, OHIO 44312
 330-961-7432

CARRIER:
AT&T

DRAWING NOTICE:
 THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF CROWN CASTLE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF CROWN CASTLE.

MODIFICATION DRAWING



| REV. | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |

SITE INFORMATION:
WINDSORDAY HILL (10071331)
 99 DAY HILL ROAD
 WINDSOR, CT 06095

SITE NUMBER:
842875

POD NUMBER: 20-66002
 DRAWN BY: TAJ
 CHECKED BY: JGC
 DATE: 11/03/2020

SHEET TITLE:
TITLE SHEET

T-01

| SHEET INDEX | |
|-------------|---------------------------|
| T-01 | TITLE SHEET |
| N-01 | NOTES |
| S-01 | PLAN VIEW |
| S-02 | ELEVATION & SECTION VIEWS |
| MI-01 | MODIFICATION CHECKLIST |

| PROJECT INFORMATION | |
|---------------------|---------------------------------------|
| COUNTY: | HARTFORD |
| SITE ADDRESS: | 99 DAY HILL ROAD WINDSOR, CT 06095 |
| LATITUDE: | 41° 52' 16.10" |
| LONGITUDE: | -72° 40' 16.00" |

SCOPE OF WORK:
 MOUNT MODIFICATION DRAWINGS INCLUDES:
 REPLACE EXISTING KICKER KIT ARMS. RELOCATE EXISTING MOUNT PIPES TO ALLOW REQUIRED ANTENNA SEPARATION.

GENERAL NOTES

- THE MODIFICATIONS REPRESENTED IN THESE DRAWINGS ARE BASED ON THE STRUCTURAL DOCUMENTS PROVIDED IN THE STRUCTURAL DOCUMENTS TABLE. THE CONTRACTOR SHALL OBTAIN AND BECOME FAMILIAR WITH ALL REFERENCED DOCUMENTS.
- ALL MODIFICATIONS MUST BE INSTALLED TO BRING THE TOWER INTO CONFORMANCE WITH ALL APPLICABLE CODES.

| | |
|---------------------------------|-----------------------|
| GOVERNING CODES | TIA-222-H |
| ULTIMATE WIND SPEED | 116 MPH 3 SECOND GUST |
| RADIAL ICE THICKNESS | 1.5" |
| WIND SPEED W/ ICE | 50 MPH 3 SECOND GUST |
| STRUCTURE CLASS | II |
| EXPOSURE CATEGORY | C |
| TOPOGRAPHIC CATEGORY | 1 |
| SPECTRAL RESPONSE ACCELERATIONS | SS= 0.179 & S1= 0.055 |
- ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE OR APPROVED BY THE EOR. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE PERFORMING WORK SIMILAR TO THAT DESCRIBED WITHIN THESE DRAWINGS. BY ACCEPTANCE OF THIS PROJECT, THE CONTRACTOR IS ATTESTING THAT HE HAS SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND REGISTERED TO PERFORM THE WORK IN THE PROJECT JURISDICTION.
- WORK SHALL ONLY BE PERFORMED DURING CALM, DRY DAYS (WINDS LESS THAN 10XMPH). IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE INSTALLATION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIEXDOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
- ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATIONS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND EOR. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE EOR SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES AND PROCEDURES.
- THE DESIGN WITHIN THESE DRAWINGS ASSUMES THE TOWER AND ITS FOUNDATIONS HAVE BEEN WELL MAINTAINED, IN GOOD CONDITION AND ARE WITHOUT DEFECT. BENT MEMBERS, CORRODED MEMBER, LOOSE BOLTS, CRACKED WELDS, AND OTHER STRUCTURAL DEFECTS HAVE NOT BEEN CONSIDERED UNLESS SPECIFICALLY NOTED. THE TOWER IS ASSUMED TO BE PLUMB AND THE SITE IS ASSUMED LEVEL. THE OWNER AND/OR EOR SHALL BE NOTIFIED IMMEDIATELY IF ANY VARIANCES ARE FOUND.
- THE CONTRACTOR SHALL ONLY WORK WITHIN THE LIMITS OF THE TOWER OWNER'S PROPERTY, LEASE AREA OR APPROVED EASEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WORK IS PERFORMED WITHIN THESE BOUNDARIES. CONSTRUCTION STAKING AND BOUNDARY MARKING IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY A SURVEYOR AS REQUIRED. ANY WORK OUTSIDE THESE BOUNDARIES SHALL BE APPROVED IN WRITING BY THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAIN AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT ALL WORK PERFORMED COMPLIES WITH ALL APPLICATION SAFETY CODES AND GOVERNING REGULATIONS.
- ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULES AND MATERIAL DELIVERIES, WITH THE OWNER/RESIDENT LEASING AGENT FOR APPROVAL.
- THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNING AGENCIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
- ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDED BUT NOT LIMITED TO ALTERED SIZED AND/OR STRENGTHS, MUST BE APPROVED BY THE EOR.
- UNLESS NOTED OTHERWISE, ALL NEW MEMBERS SHALL MAINTAIN THE EXISTING MEMBER WORKING LINES AND NOT INTRODUCE ECCENTRICITIES INTO THE STRUCTURE.
- ALL DIMENSIONS AND QUANTITIES LISTED WITHIN THESE DRAWINGS ARE INTENDED TO AID THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL DIMENSION AND QUANTITIES PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
- ALL MANUFACTURERS' INSTRUCTIONS SHALL BE FOLLOWED EXACTLY. ANY DEVIATION REQUIRES WRITTEN APPROVAL FROM THE EOR.
- THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY REMOVING COAX, BRACKETS, ANTENNAS MOUNTS AND ANY OTHER TOWER APPURTENANCE THAT MAY INTERFERE WITH THE INSTALLATION OF THE TOWER MODIFICATIONS. ALL TOWER APPURTENANCES MUST BE REPLACE AND/OR RESTORED TO ITS ORIGINAL LOCATION. SOME MOUNTS OR ATTACHMENTS MAY REQUIRE CUSTOM MODIFICATION TO PROPERLY FIT THE MODIFIED REGION OF THE STRUCTURE. THESE CUSTOM MOUNTS OR ATTACHMENTS ARE DESIGNED BY OTHERS AND MUST BE APPROVED BY THE OWNER/EOR PRIOR TO REMOVAL. ANY CARRIER DOWNTIME MUST BE COORDINATED WITH THE OWNER IN WRITING.
- DO NOT SCALE DRAWINGS.

REFERENCE DOCUMENTS

| DOCUMENT TYPE | DESIGNATION |
|----------------|--|
| MOUNT ANALYSIS | POD PROJECT NUMBER: 20-65702 DATED: 06/22/2020 |

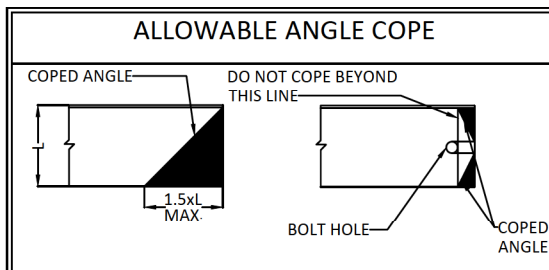
STRUCTURAL STEEL NOTES

- ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS, LATEST EDITION.
- ALL STRUCTURAL STEEL ELEMENTS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS.

MATERIAL SPECIFICATIONS

| | ASTM A36 (36 KSI YIELD STRENGTH) |
|---------|---------------------------------------|
| ANGLES | ASTM A36 (36 KSI YIELD STRENGTH) |
| PIPES | ASTM A53 GR.B (35 KSI YIELD STRENGTH) |
| BOLTS | ASTM A325N |
| NUTS | ASTM A563 |
| WASHER | ASTM F436 |
| PLATE | ASTM A36 (36 KSI YIELD STRENGTH) |
| U-BOLTS | ASTM A307 |

- ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE FABRICATOR IN ACCORDANCE WITH AISC SPECIFICATIONS, LATEST EDITION.
- CAULKING SHALL BE PROVIDED AROUND PERIMETER OF ANY AND ALL MODIFICATION MEMBERS TO ENSURE COMPLETE SEAL BETWEEN EXISTING STRUCTURE AND REINFORCING MEMBERS IN FULL CONTACT WITH EXISTING STEEL. SEALANT IS TO BE EXTERIOR GRADE, PAINTABLE SILICONE CAULKING AS MANUFACTURED BY DOW AND ACCEPTABLE TO EOR.
- HOLES SHALL NOT BE FLAME CUT THROUGH STEEL UNLESS APPROVED BY THE EOR.
- ALL EXPOSED STEEL SHALL BE HOTXDIPPED GALVANIZED PER ASTM A123, ASTM A153/A153M, OR ASTM A653 G90, AS APPLICABLE FOR FULL WEATHER PROTECTION. FOR HIGH STRENGTH STEEL FASTENERS WHERE HOTXDIPPED GALVANIZING IS NOT PERMITTED DACROMET F1136 GRADE 3 COATING SHALL BE USED. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING TOWER STEEL. CONTRACTOR SHALL OBTAIN EOR APPROVAL FOR STEEL PROTECTION BY ANY OTHER MEANS.
- REPAIR DAMAGED PAINTED/GALVANIZED SURFACES WITH TWO COATS OF BRUSH OR ROLL ON ZRC COLD GALVANIZING COMPOUND OR EOR APPROVED COATING. SURFACES MUST BE WIRE BRUSHED AND SOLVENT CLEANED PRIOR TO APPLICATION OF GALVANIZING COMPOUND.
- ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES (LOCKING NUT/PAL NUT) TO BE INSTALLED IN ACCORDANCE WITH TIA/EIAX222 REQUIREMENTS.
- ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT BE AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.



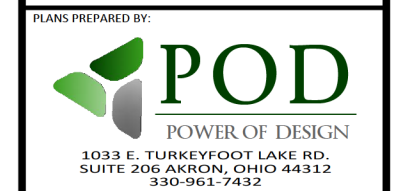
- ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
- THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENT.

BOLT SCHEDULE

| BOLT DIAMETER | STANDARD HOLE | SHORT SLOT | MIN. EDGE DISTANCE | SPACING |
|---------------|---------------|---------------|--------------------|---------|
| 1/2 | 9/16 | 9/16x11/16 | 7/8 | 1-1/2 |
| 5/8 | 11/16 | 11/16x7/8 | 1-1/8 | 1-7/8 |
| 3/4 | 13/16 | 13/16x1 | 1-1/4 | 2-1/4 |
| 7/8 | 15/16 | 15/16x1-1/8 | 1-1/2 | 2-5/8 |
| 1 | 1-1/16 | 1-1/16x1-5/16 | 1-3/4 | 3 |

WORKABLE GAGES

| LEG | 2-1/2 | ---- | ---- |
|-----|-------|------|------|
| G | 1-3/8 | ---- | ---- |



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MODIFICATION DRAWING



| REV. | DATE | DESCRIPTION |
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SITE INFORMATION:
WINDSORDAY HILL
(10071331)

99 DAY HILL ROAD
WINDSOR, CT 06095

SITE NUMBER:
842875

POD NUMBER: 20-66002
DRAWN BY: TAJ
CHECKED BY: JGC
DATE: 11/03/2020

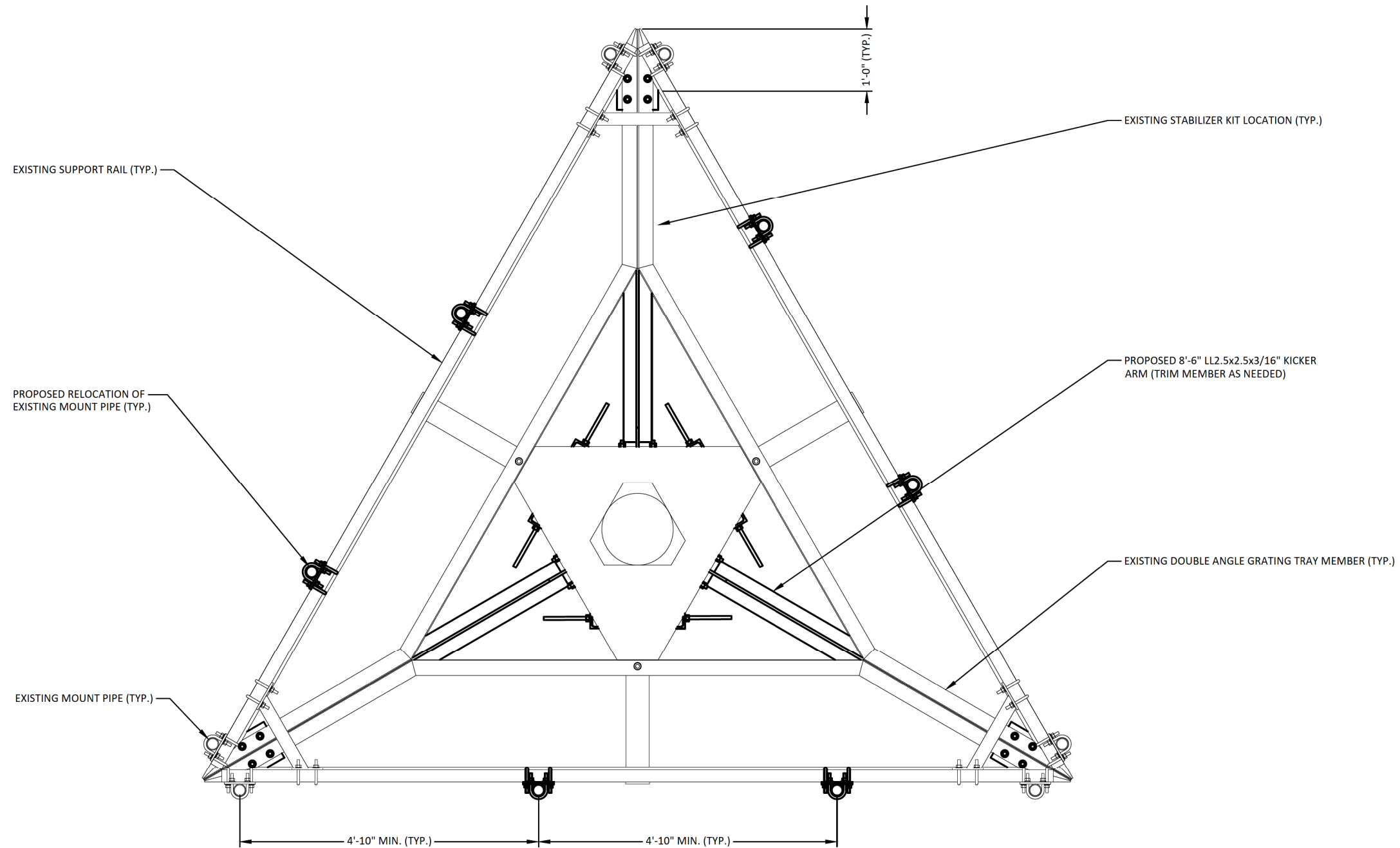
SHEET TITLE:

NOTES

N-01

NOTES:

- ANTENNAE & GRATING NOT SHOWN FOR CLARITY
- ALL FIELD DRILLED HOLES SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF ZRC RICH PAINT
- EXCESS MATERIALS SHALL BE REMOVED AND DISPOSED OFF SITE BY THE CONTRACTOR



PLAN VIEW
1/2" = 1'-0"

PLANS PREPARED FOR:
CROWN CASTLE

PLANS PREPARED BY:
POD
POWER OF DESIGN
1033 E. TURKEYFOOT LAKE RD.
SUITE 206 AKRON, OHIO 44312
330-961-7432

CARRIER:
AT&T

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(10071331)

99 DAY HILL ROAD
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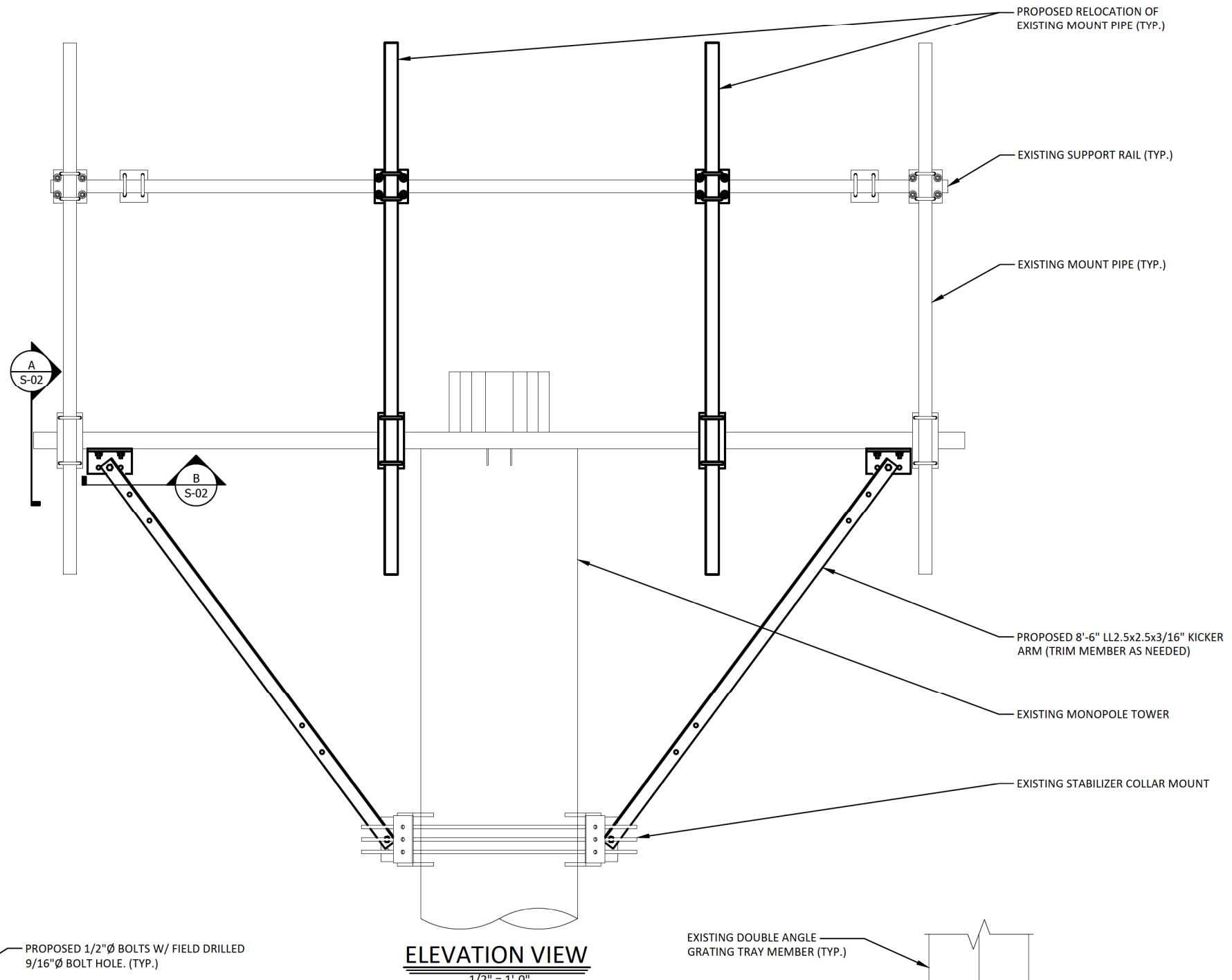
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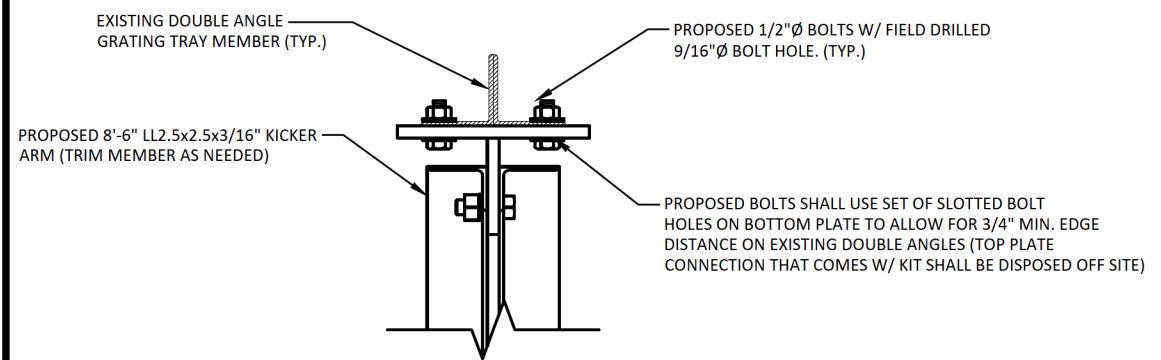
SHEET TITLE:
PLAN VIEW

S-01

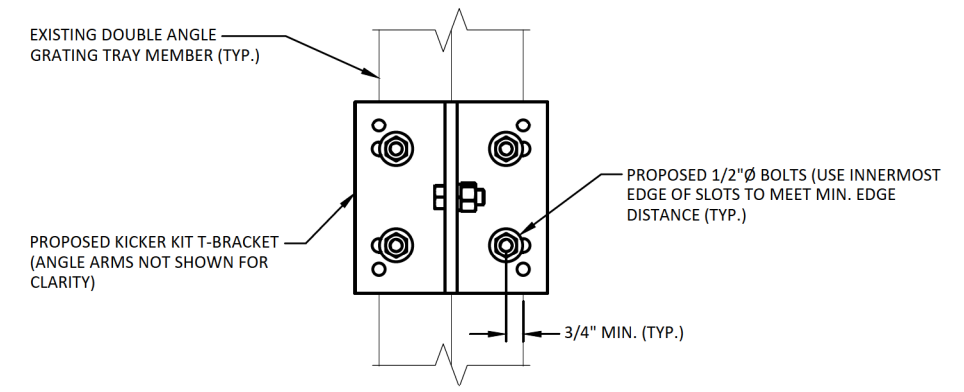
- NOTES:
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 - ALL FIELD DRILLED HOLES SHALL BE SOLVENT CLEANED & TOUCHED UP WITH TWO COATS OF ZRC RICH PAINT
 - EXCESS MATERIALS SHALL BE REMOVED AND DISPOSED OFF SITE BY THE CONTRACTOR



ELEVATION VIEW
1/2" = 1'-0"



SECTION A
1-1/2" = 1'-0"
S-02



SECTION B
1-1/2" = 1'-0"
S-02

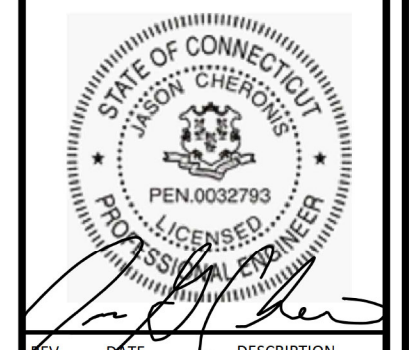
PLANS PREPARED FOR:
CROWN CASTLE

PLANS PREPARED BY:
POD
POWER OF DESIGN
1033 E. TURKEYFOOT LAKE RD.
SUITE 206 AKRON, OHIO 44312
330-961-7432

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MODIFICATION DRAWING



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SHEET TITLE:
ELEVATION & SECTION VIEWS

S-02

| MODIFICATION INSPECTION CHECKLIST | | | | | |
|---|---|---|--|---|---|
| BEFORE CONSTRUCTION | | DURING CONSTRUCTION | | AFTER CONSTRUCTION | |
| CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD) | REPORT ITEM | CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD) | REPORT ITEM | CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD) | REPORT ITEM |
| X | MODIFICATION INSPECTION CHECKLIST DWG | X | CONSTRUCTION INSPECTION | X | MODIFICATION INSPECTOR REDLINE OR RECORD DRAWING(S) |
| - | ENGINEER OF RECORD APPROVED SHOP DRAWINGS | - | FOUNDATION INSPECTION | - | POST INSTALLED ANCHOR ROD PULL-OUT TESTING |
| - | FABRICATION INSPECTION | - | CONCRETE COMP. STRENGTH AND SLUMP TEST | X | PHOTOGRAPHS |
| X | MATERIAL TEST REPORT | - | POST INSTALLED ANCHOR ROD VERIFICATION | ADDITIONAL TESTING AND INSPECTION | |
| - | FABRICATOR NDE INSPECTION | - | BASE PLATE GROUT VERIFICATION | | |
| - | NDE REPORT OF MONOPOLE BASEPLATE (AS REQUIRED) | - | THIRD PARTY CERTIFIED WELD INSPECTION | | |
| X | PACKING SLIP | - | EARTHWORK LIFT AND DENSITY (REPORT REQUIRED) | | |
| ADDITIONAL TESTING AND INSPECTION | | X | ON SITE COLD GALVANIZING VERIFICATION | | |
| | | - | GUY WIRE TENSION REPORT | | |
| | | X | GC AS-BUILT DOCUMENTS | | |
| | | ADDITIONAL TESTING AND INSPECTION | | | |

MODIFICATION INSPECTION NOTES:

GENERAL:

1. THE MODIFICATION INSPECTION IS A VISUAL INSPECTION OF TOWER MODIFICATION AND A REVIEW OF CONSTRUCTION INSPECTION AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. NAMELY THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINEER OF RECORD.
2. THE MODIFICATION INSPECTION IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF. NOR DOES THE MODIFICATION INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTENT RESIDES WITH THE ENGINEER OF RECORD AT ALL TIMES.
3. TO ENSURE THAT THE REQUIREMENT OF THE MODIFICATION INSPECTION ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MODIFICATION INSPECTOR BEGIN COMMUNICATION AND COORDINATING AS SOON AS A PO OR PAYMENT IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MODIFICATION INSPECTOR:

1. THE MODIFICATION INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO OR PAYMENT FOR THE MODIFICATION INSPECTION TO:
 - REVIEW THE REQUIREMENT OF THE MODIFICATION INSPECTION CHECKLIST
 - WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS
 - DISCUSS ANY SITE SPECIFIC INSPECTIONS OR CONCERNS
2. THE MODIFICATION INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GENERAL CONTRACTOR (GC) INSPECTION AND TEST REPORTS. REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE INFIELD INSPECTIONS, AND SUBMITTING THE MODIFICATION INSPECTION REPORT.

GENERAL CONTRACTOR:

1. THE GC IS REQUIRED TO CONTACT THE MODIFICATION INSPECTOR AS SOON AS RECEIVING A PO OR PAYMENT FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO:

- REVIEW THE REQUIREMENT OF THE MODIFICATION INSPECTION CHECKLIST
 - WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE MODIFICATION INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
 - BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS
2. THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MODIFICATION INSPECTION CHECKLIST.

RECOMMENDATIONS:

1. IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, TO THE MODIFICATION INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR THE MODIFICATION INSPECTION TO BE CONDUCTED.
- THE GC AND MODIFICATION INSPECTION COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
 - WHEN POSSIBLE IT IS PREFERRED TO HAVE THE MODIFICATION INSPECTOR AND GC ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR REXTENSIONING OPERATIONS.
 - IT MAY BE BENEFICIAL TO INSTALL ALL TOWER MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTION TO ALLOW FOUNDATION AND MODIFICATION INSPECTION(S) DONE IN ONE SITE VISIT.
 - WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MODIFICATION INSPECTOR ON-SITE DURING THE MODIFICATION INSPECTION. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MODIFICATION INSPECTION CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

CANCELLATION OR DELAYS IN SCHEDULED MODIFICATION INSPECTION:

1. IF THE GC AND MODIFICATION INSPECTOR AGREE TO A DATE ON WHICH THE MODIFICATION INSPECTION WILL BE CONDUCTED, AND EITHER PARTY CANCELS OR DELAYS, THE TOWER OWNER SHALL NOT BE RESPONSIBLE FOR ANY COSTS, FEES, LOSS OR DEPOSITS AND/OR OTHER PENALTIES RELATE TO THE CANCELLATION OR DELAY INCURRED BY EITHER PARTY FOR ANY TIME. EXCEPTIONS MAY BE MADE IN THE DELAY/ CANCELLATION IS CAUSED BY WEATHER OR OTHER CONDITIONS THAT MAY COMPROMISE THE SAFETY OF THE PARTIES INVOLVED.

CORRECTION OF FAILING MODIFICATION INSPECTION:

1. IF THE MODIFICATION INSTALLATION WOULD FAIL THE MODIFICATION

INSPECTION ("FAILED MODIFICATION INSPECTION"), THE GC SHALL WORK WITH MODIFICATION INSPECTOR TO COORDINATE A REMEDIATION PLAN IN ONE OF TWO WAYS:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MODIFICATION INSPECTION. OR, WITH TOWER OWNER'S APPROVAL, THE GC MAY WORK WITH THE ENGINEER OF RECORD TO REANALYZE THE MODIFICATION/REINFORCEMENT USING AS-BUILT CONDITION.

VERIFICATION INSPECTIONS:

1. TOWER OWNER RESERVES THE RIGHT TO CONDUCT A VERIFICATION INSPECTION TO VERIFY THE ACCURACY AND COMPLETENESS OF PREVIOUSLY COMPLETED MODIFICATION AND INSPECTION(S) ON TOWER MODIFICATION PRODUCTS.
2. VERIFICATION INSPECTION MAY BE CONDUCTED BY AN INDEPENDENT FIRM AFTER A MODIFICATION PROJECT IS COMPLETED, AS MARKED BY THE DATE OF AN ACCEPTED "PASSING MODIFICATION INSPECTION MODIFICATION INSPECTION" REPORT FOR THE ORIGINAL PROJECT.

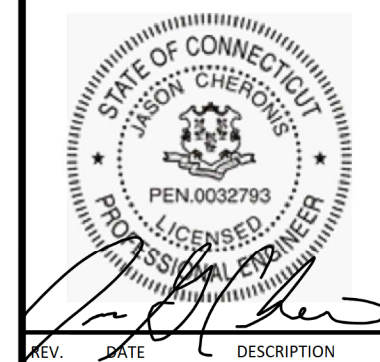
REQUIRED PHOTOS:

1. BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS ARE TO BE TAKEN AND INCLUDED IN THE MODIFICATION INSPECTION REPORT:
 - PRECONSTRUCTION GENERAL SITE CONDITION
 - PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
 - RAW MATERIALS
 - PHOTOS OF ALL CRITICAL DETAILS
 - WELD PREPARATION
 - FOUNDATION MODIFICATION
 - BOLT INSTALLATION AND TORQUE
 - FINAL INSTALLED CONDITION
 - SURFACE COATING REPAIR
 - POST CONDITION PHOTOGRAPHS
2. PHOTOS OF ELEVATED MODIFICATIONS TAKEN FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.



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MODIFICATION CHECKLIST

MI-01