



VERIZON SITE NUMBER: 307653
VERIZON SITE NAME: DT EATON - C
SITE TYPE: MONOPOLE TOWER
TOWER HEIGHT: 117'-6"

BUSINESS UNIT #: 877107
SITE ADDRESS: 151 OAK DRIVE,
EATON, CO 80615
COUNTY: WELD
JURISDICTION: TOWN OF EATON, CO

VERIZON FUZE PROJECT #: 16114261



1515 E. WOODFIELD ROAD
SCHAUMBURG, IL 60173



1 CITY PLACE DRIVE, SUITE 490
ST. LOUIS, MO 63141



1825 W. WALNUT HILL LANE, SUITE 120
IRVING, TEXAS 75038

VERIZON SITE NUMBER:
307653

BU #: 877107
FILL-IN / GREELY/GRE216

151 OAK DRIVE,
EATON, CO 80615

EXISTING 117'-6" MONOPOLE
TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	12/30/2022	NPS	FINAL	AMT
1	01/04/2023	MVF	FINAL	AMT
2	02/28/2023	KSN	FINAL	AMT
3	03/30/2023	NPS	FINAL	AMT
4	05/15/2023	SBA	FINAL	AMT



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:

2

SITE INFORMATION

CROWN CASTLE USA INC.
SITE NAME: FILL-IN / GREELY/GRE216
SITE ADDRESS: 151 OAK DRIVE,
EATON, CO 80615
COUNTY: WELD
MAP/PARCEL #: 080306000027
AREA OF CONSTRUCTION: EXISTING
LATITUDE: 40.52268055 / 40° 31' 21.65" N
LONGITUDE: -104.7096222 / 104° 42' 34.6399" W
LAT/LONG TYPE: NAD83
GROUND ELEVATION: 4818 FT (AMSL)
CURRENT ZONING: N/A
JURISDICTION: TOWN OF EATON, CO
OCCUPANCY CLASSIFICATION: U
TYPE OF CONSTRUCTION: IIB
A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR
HUMAN HABITATION
PROPERTY OWNER: POULSEN LLC
151 S. OAK AVENUE
EATON, CO 80634
TOWER OWNER: CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317
CARRIER/APPLICANT: VERIZON WIRELESS
1515 E. WOODFIELD ROAD
SCHAUMBURG, IL 60173
ELECTRIC PROVIDER: XCEL ENERGY
TELCO PROVIDER: CENTURYLINK

PROJECT TEAM

A&E FIRM: TRYLON
1825 W. WALNUT HILL LANE, SUITE 120
IRVING, TEXAS 75038
CROWN CASTLE USA INC. DISTRICT: 1 CITY PLACE DRIVE, SUITE 490
ST. LOUIS, MO 63141
CONTACTS: EVE ZWEIG - PROJECT MANAGER
EVE.ZWEIG@CROWNCastle.COM
JONATHAN MACCONKEY - CONSTRUCTION MANAGER
JONATHAN.MACCONKEY@CROWNCastle.COM
VERIZON CONTACT: TBD

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT: https://pmi.vzwsmart.com
SMART TOOL VENDOR: ----
PROJECT NUMBER: ----
VzW LOCATION CODE (PSLC): 193058

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

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN
C-1.1	COMPOUND PLAN
C-2	TOWER ELEVATION & ANTENNA PLANS
C-3	EQUIPMENT SCHEDULES
C-4	EQUIPMENT DETAILS
C-5 TO C-7	EQUIPMENT DETAILS
C-8	DUAL-MOUNT ANTENNA BRACKET DETAIL
C-9	PLUMBING DIAGRAM
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS
ATTACHED	LEGAL DESCRIPTION

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR
22"X34". 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.

Site Development Plan Signature Blocks

PROPERTY OWNER CERTIFICATION:

By signing this Site Plan _____ as owner or assignee of the
land for which this plan has been created,
accepts all of the requirements and conditions set forth herein.

OWNER:

GLOBAL SIGNAL ACQUISITIONS II LLC

By: CRAIG CHAGON

Title:

Signature:

Date:

ATTEST:

Secretary or Treasurer

Signature:

EATON PLANNING DEPARTMENT:

This Site Plan was reviewed and approved by the Town Administrator.

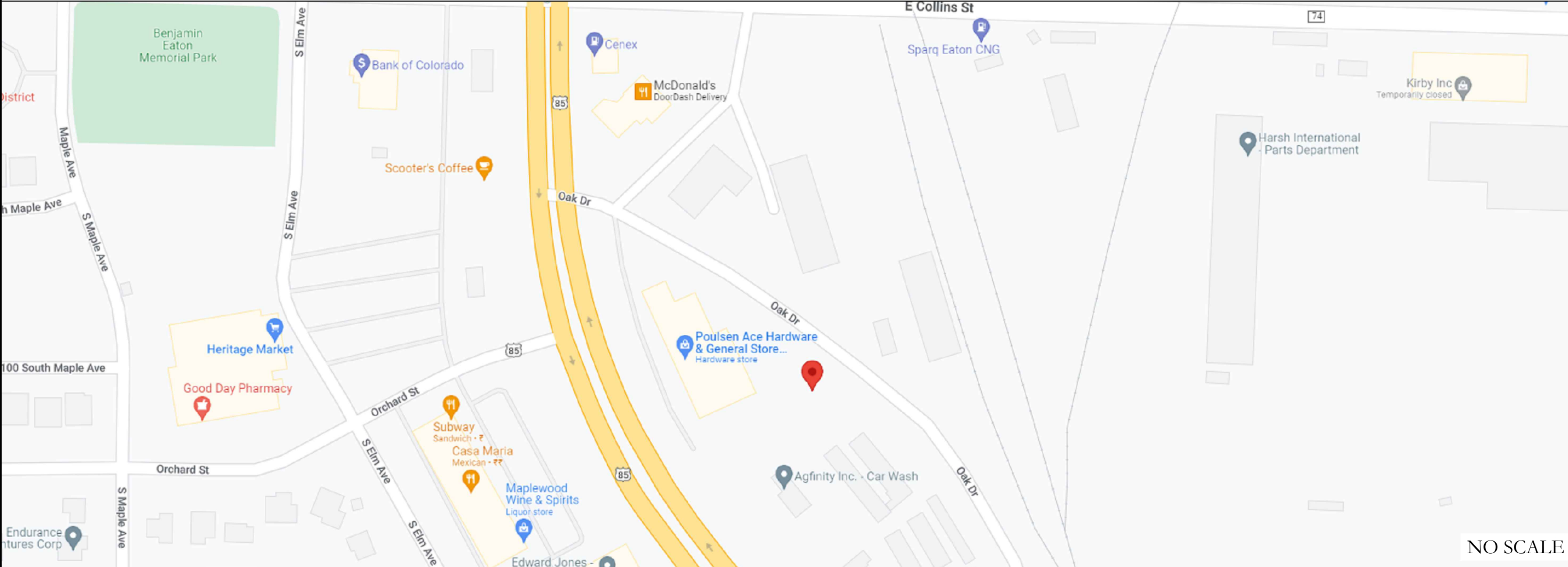
This _____ day of _____, 20____.

Town of Eaton Administrator

Signature



LOCATION MAP



NO SCALE

DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE: (6695 EDWARDSVILLE CROSSING DR, EDWARDSVILLE, IL 62025, UNITED STATES)
GET ON I-270 W FROM TROY RD., HEAD SOUTH TOWARD EDWARDSVILLE CROSSING DR, TURN LEFT AT THE 1ST CROSS STREET ONTO EDWARDSVILLE CROSSING DR, TURN RIGHT ONTO TROY RD, TURN
RIGHT TO MERGE WITH I-270 W TOWARD ST CHARLES, FOLLOW I-70 W TO CO-36 W/E COLFAX AVE IN ARAPAHOE COUNTY. TAKE EXIT 306 FROM I-70 W, MERGE WITH I-270 W, USE THE RIGHT 2 LANES TO TAKE
EXIT 20A-20B TO MERGE WITH I-70 W TOWARD KANSAS CITY, KEEP LEFT AT THE Y JUNCTION TO CONTINUE ON I-670 W, FOLLOW SIGNS FOR I-70 ALT/I-35 S/TOPEKA/WICHITA, KEEP LEFT TO STAY ON I-670 W,
USE THE LEFT 3 LANES TO MERGE WITH I-70 W, USE THE RIGHT LANE TO KEEP RIGHT AT THE DIVISION, STAY ON I-70 W AND FOLLOW SIGNS FOR US-40 W/TOPEKA/SALINA, KEEP RIGHT TO STAY ON I-70 W,
TAKE EXIT 306 TOWARD CO-36 W/E COLFAX AVE, KEEP LEFT AT THE Y JUNCTION TO CONTINUE TOWARD CO-36 W/E COLFAX AVE, TAKE CO-79 N, STATE HWY 52 W AND CO RD 49 TO OAK DR IN WELD
COUNTY, CONTINUE STRAIGHT ONTO CO-36 W/E COLFAX AVE, TURN RIGHT ONTO ADAMS ST, CONTINUE ONTO CO-79 N/PALMER AVE, TURN LEFT ONTO STATE HWY 52 W, TURN RIGHT ONTO CO RD 51,
TURN LEFT ONTO INTERSTATE 76 ACC/INTERSTATE 76 FRONTAGE RD, TURN RIGHT ONTO CO RD 49, CONTINUE ONTO CO RD 47, TURN LEFT ONTO CO-392 W, TURN RIGHT ONTO US-85 N, TURN RIGHT ONTO
COLORADO PKWY, TURN LEFT ONTO OAK DR

APPLICABLE CODES/REFERENCE
DOCUMENTS

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

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

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	CROWN CASTLE
DATED:	12/23/2022
MOUNT ANALYSIS:	COLLIERS ENGINEERING & DESIGN
DATED:	12/20/2022
RFDS REVISION:	N/A
DATED:	12/19/2022
ORDER ID:	640675
REVISION:	1



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(800) 922-1987
CALL 3 WORKING DAYS
BEFORE YOU DIG!



PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:

- REMOVE (6) ANTENNAS
- REMOVE (9) RRHs
- REMOVE (2) OVPs
- INSTALL (9) ANTENNAS
- INSTALL (6) RRUs
- INSTALL (2) OVPs
- INSTALL (3) 12X24 HYBRID CABLES
- INSTALL (3) DUAL MOUNTS

GROUND SCOPE OF WORK:

- INSTALL (2) BBU
- INSTALL (2) OVP BOX

NOTE:

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

MOUNT MODIFICATION REQUIRED

N

VzW APPROVED SMART KIT VENDORS

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

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
 - 4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
 - 4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. 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 TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP–STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/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



VERIZON SITE NUMBER:
307653

BU #: 877107
FILL-IN / GREELY/GRE216

151 OAK DRIVE,
EATON, CO 80615

EXISTING 117'-6" MONOPOLE
TOWER

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	12/30/2022	NPS	FINAL	AMT
1	01/04/2023	MVF	FINAL	AMT
2	02/28/2023	KSN	FINAL	AMT
3	03/30/2023	NPS	FINAL	AMT
4	05/15/2023	SBA	FINAL	AMT



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SHEET NUMBER:
T-2

REVISION:
2

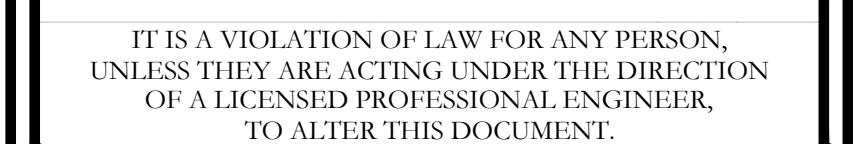


1 CITY PLACE DRIVE, SUITE 490
ST. LOUIS, MO 63141



EXISTING 117'-6" MONOPOLE
TOWER

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3	03/30/2023	NPS	FINAL	AMT
4	05/15/2023	SBA	FINAL	AMT



C-1	2
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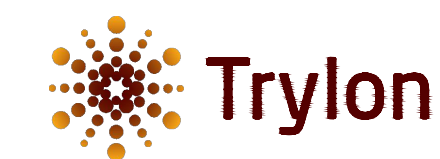




1515 E. WOODFIELD ROAD
SCHAUMBURG, IL 60173



1 CITY PLACE DRIVE, SUITE 490
ST. LOUIS, MO 63141



1825 W. WALNUT HILL LANE, SUITE 120
IRVING, TEXAS 75038

VERIZON SITE NUMBER:
307653

BU #: **877107**
FILL-IN / GREELY/GRE216

151 OAK DRIVE,
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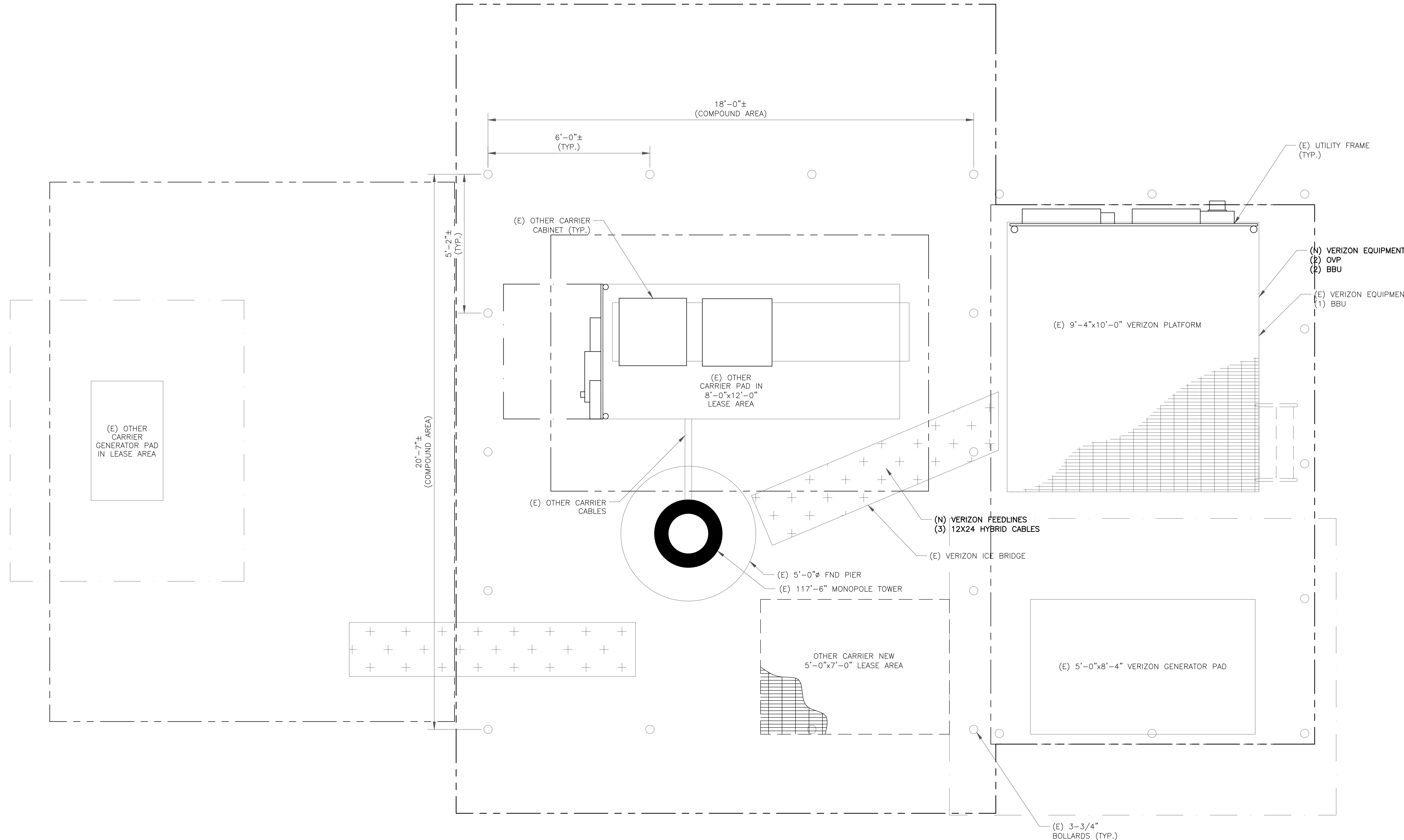
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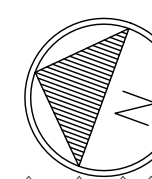
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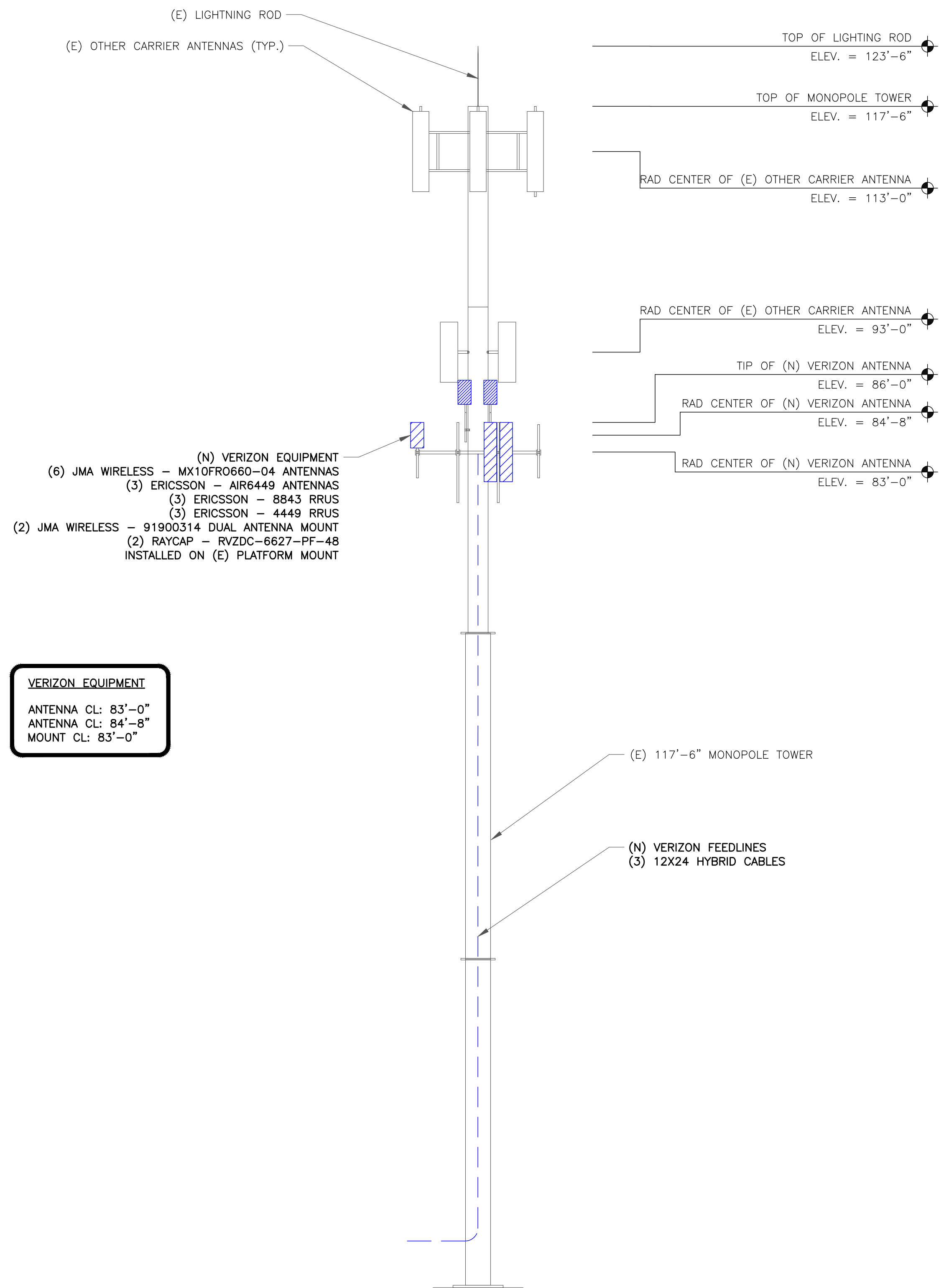


1 COMPOUND PLAN

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



3



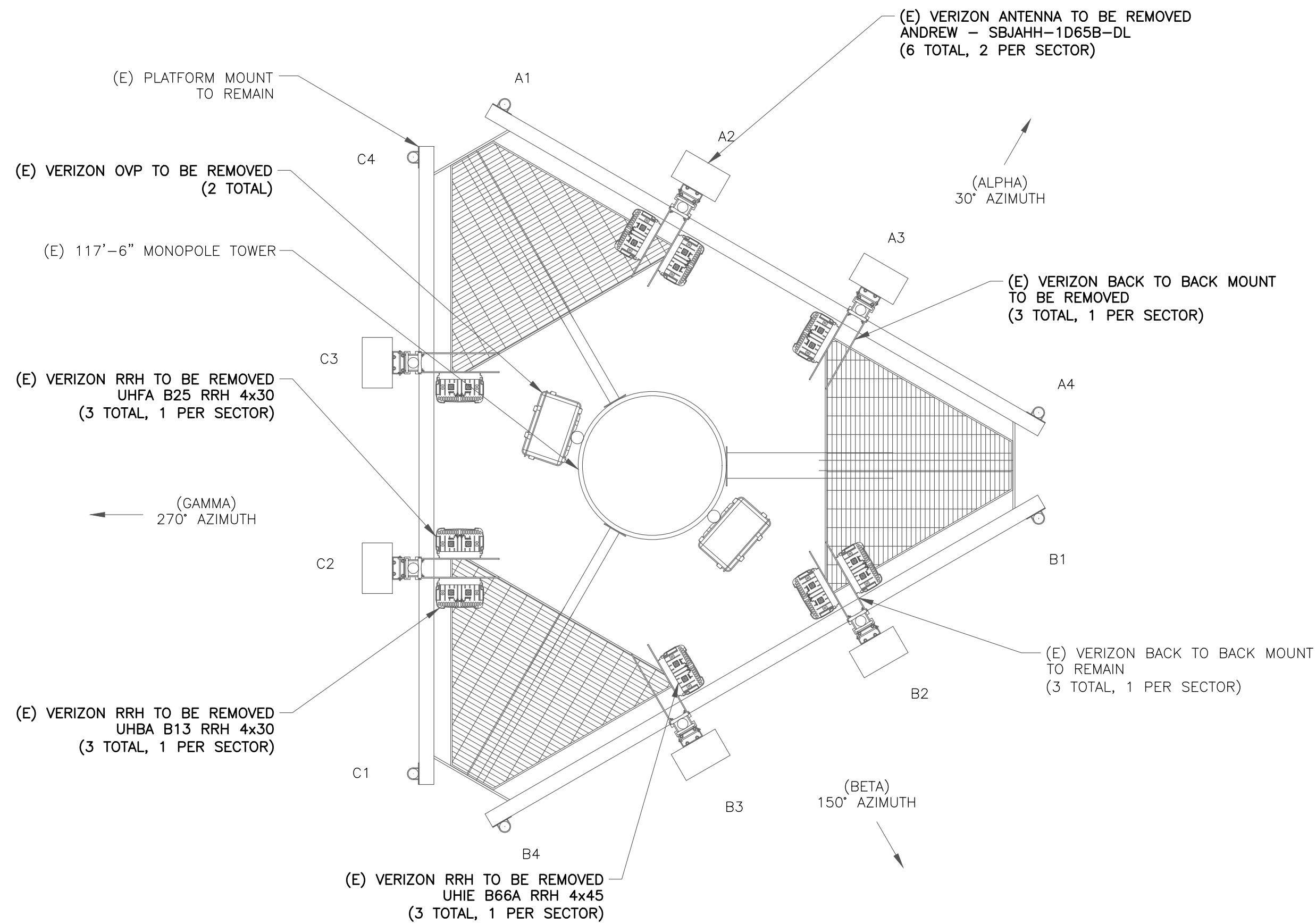
VERIZON EQUIPMENT

ANTENNA CL: 83'-0"

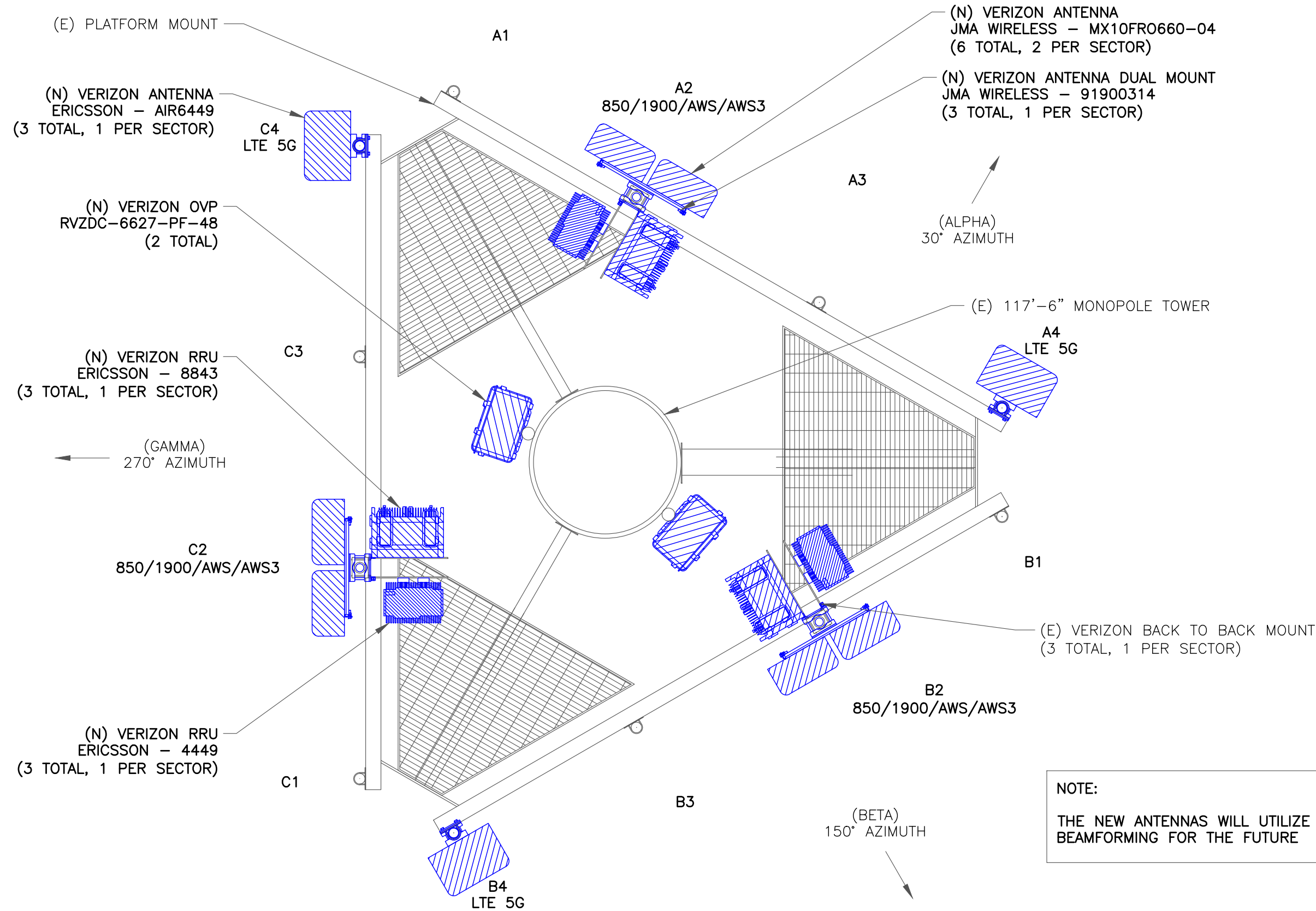
ANTENNA CL: 84'-8"

MOUNT CL: 83'-0"

1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



NOTE:
THE NEW ANTENNAS WILL UTILIZE
BEAMFORMING FOR THE FUTURE

3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

verizon

1515 E. WOODFIELD ROAD
SCHAUMBURG, IL 60173

CROWN
CASTLE

1 CITY PLACE DRIVE, SUITE 490
ST. LOUIS, MO 63141

Trylon

1825 W. WALNUT HILL LANE, SUITE 120
IRVING, TEXAS 75038

VERIZON SITE NUMBER:
307653

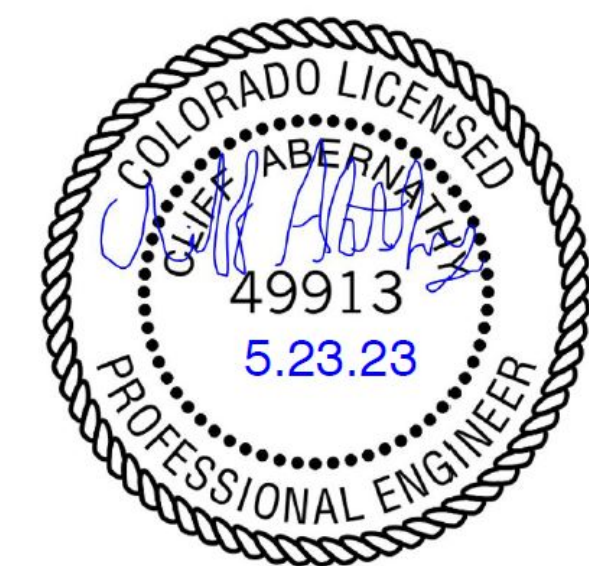
BU #: 877107
FILL-IN / GREELY/GRE216

151 OAK DRIVE,
EATON, CO 80615

EXISTING 117'-6" MONOPOLE
TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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1	01/04/2023	MVF	FINAL	AMT
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3	03/30/2023	NPS	FINAL	AMT
4	05/15/2023	SBA	FINAL	AMT



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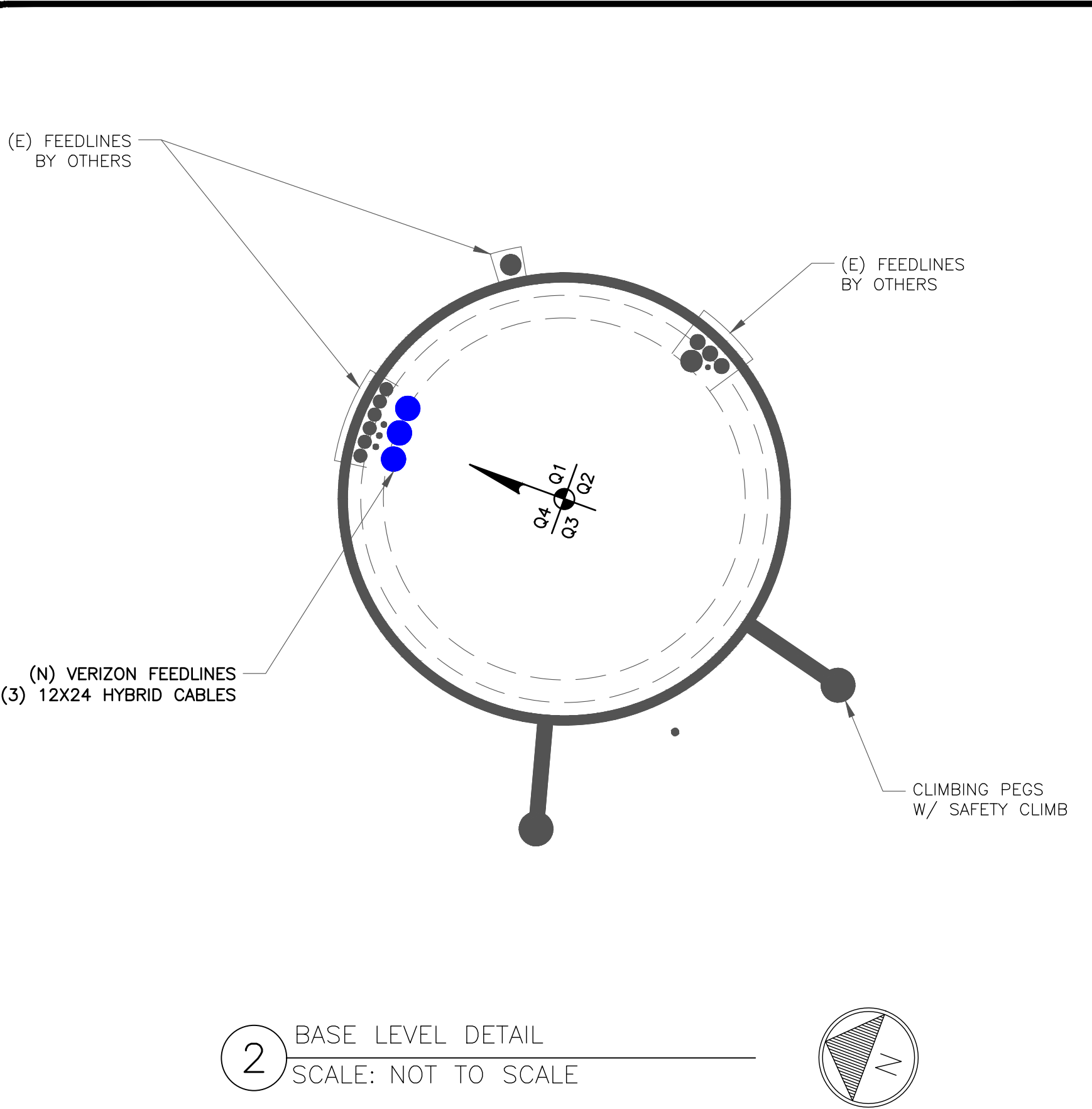
REVISION:

2


ANTENNA/RRH SCHEDULE									
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	—	—	—	—	—	—	—	—	—
A2	NEW	JMA WIRELESS	(2) MX10FRO660—04	83'—0"	30°	0°	2'/0'/0°	ERICSSON ERICSSON	(1) RRU _s 4449 (1) RRU _s 8843
A3	—	—	—	—	—	—	—	—	—
A4	NEW	ERICSSON	(1) AIR 6449 B77	84'—8"	30°	0°	2'/0'/0°	—	—
B1	—	—	—	—	—	—	—	—	—
B2	NEW	JMA WIRELESS	(2) MX10FRO660—04	83'—0"	150°	0°	2'/0'/0°	ERICSSON ERICSSON	(1) RRU _s 4449 (1) RRU _s 8843
B3	—	—	—	—	—	—	—	—	—
B4	NEW	ERICSSON	(1) AIR 6449 B77	84'—8"	150°	0°	2'/0'/0°	RAYCAP	(1) RVZDC—6627—PF—48
C1	—	—	—	—	—	—	—	—	—
C2	NEW	JMA WIRELESS	(2) MX10FRO660—04	83'—0"	270°	0°	2'/0'/0°	ERICSSON ERICSSON	(1) RRU _s 4449 (1) RRU _s 8843
C3	—	—	—	—	—	—	—	—	—
C4	NEW	ERICSSON	(1) AIR 6449 B77	84'—8"	270°	0°	2'/0'/0°	RAYCAP	(1) RVZDC—6627—PF—48

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE


CABLE SCHEDULE				
STATUS	CABLE TYPE	SIZE	LENGTH	QTY
NEW	HYBRID	12x24	100'—0"±	3
TOTAL CABLE QTY:				3



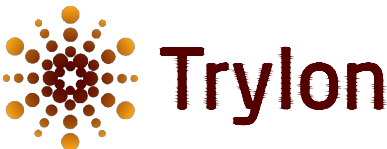
2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE



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SCHAUMBURG, IL 60173



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ST. LOUIS, MO 63141



1825 W. WALNUT HILL LANE, SUITE 120
IRVING, TEXAS 75038


VERIZON SITE NUMBER:
307653

BU #: **877107**
FILL-IN / GREELY/GRE216

151 OAK DRIVE,
EATON, CO 80615

EXISTING 117'-6" MONOPOLE
TOWER

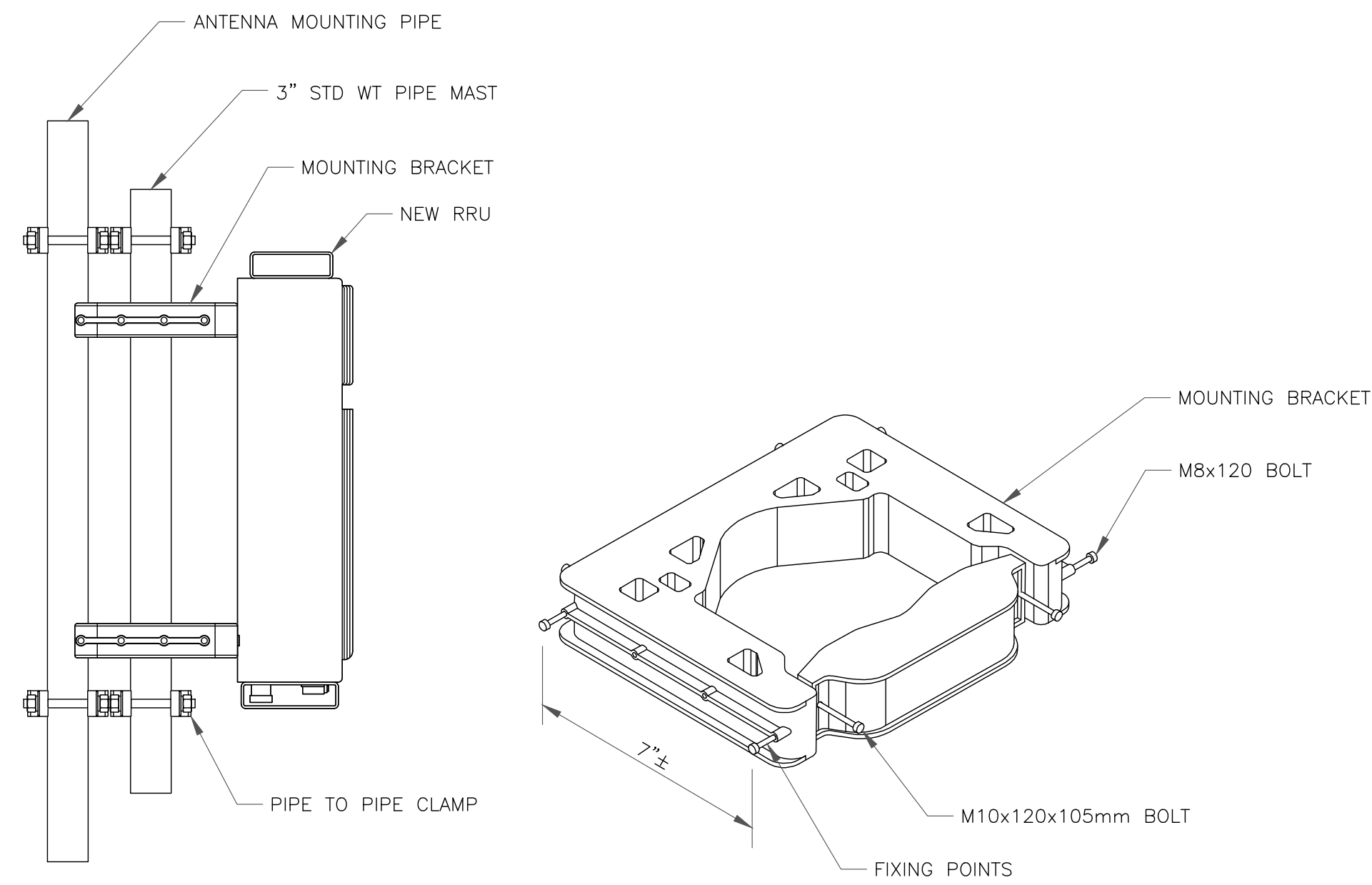
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1 NOKIA – FPKA BRACKET MOUNTING DETAIL
SCALE: NOT TO SCALE


2 NOT USED
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE


4 NOT USED
SCALE: NOT TO SCALE



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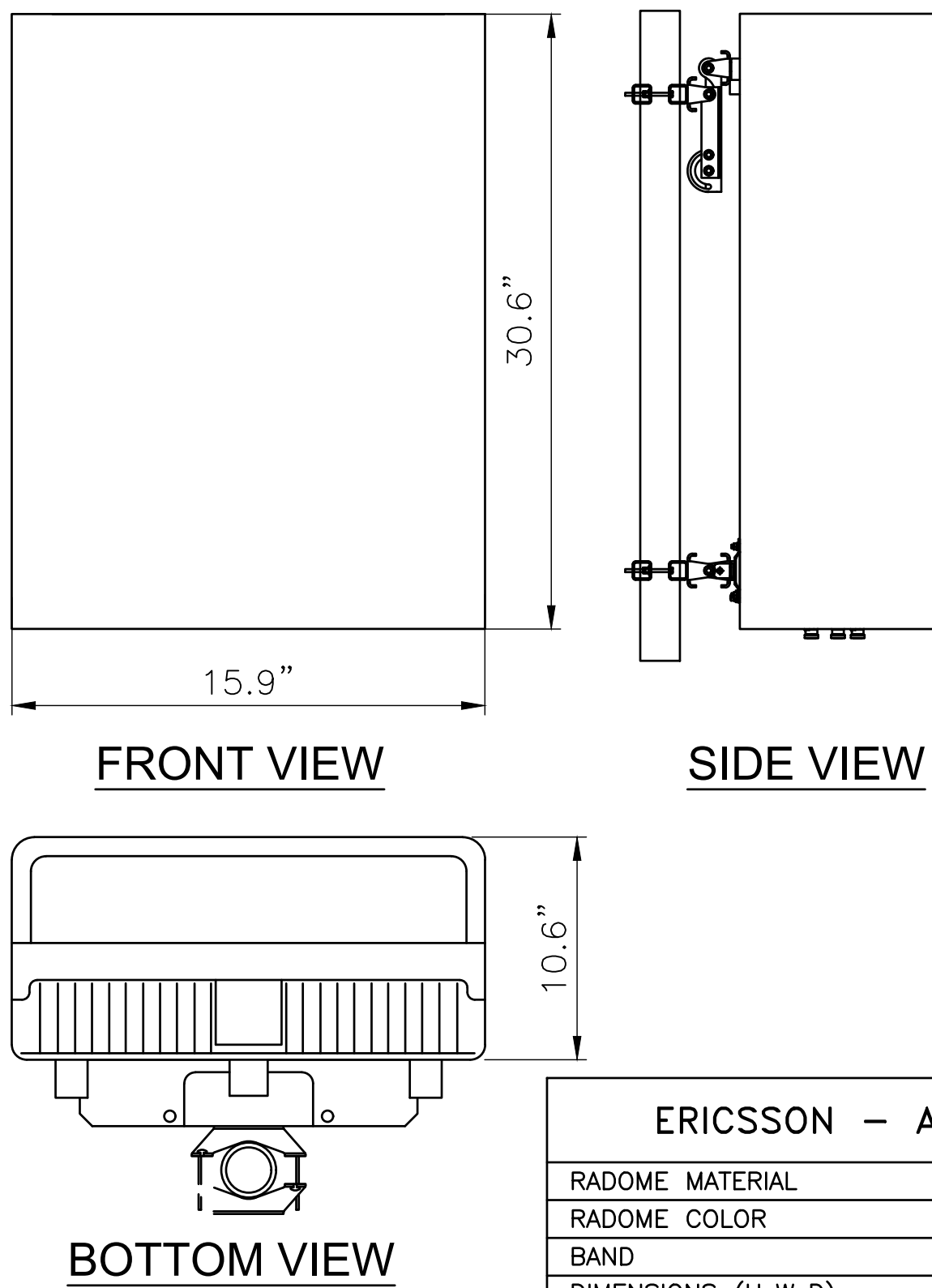
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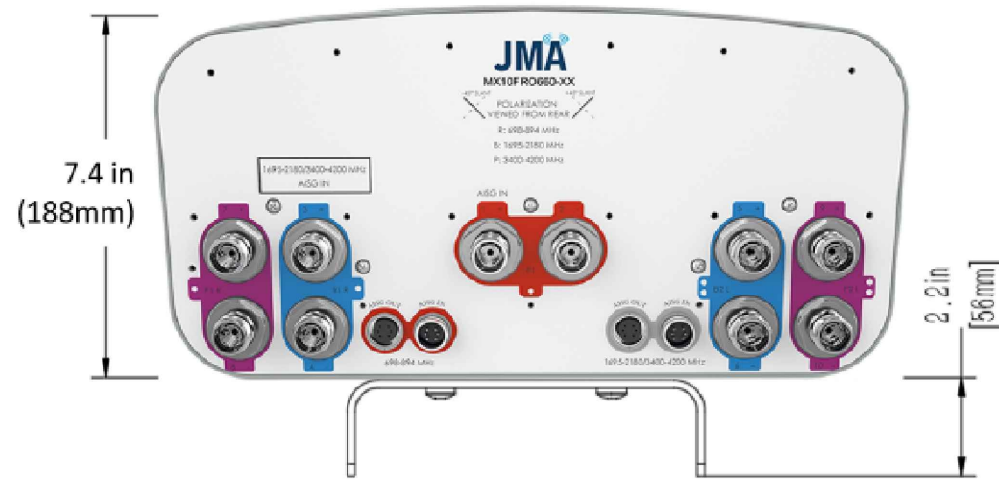
SHEET NUMBER:
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REVISION:
2



ERICSSON – AIR 6449 B77	
RADOME MATERIAL	FIBERGLASS
RADOME COLOR	LIGHT GRAY
BAND	41
DIMENSIONS (HxWxD)	30.60"x15.90"x10.60"
WEIGHT W/O MOUNTING KIT	95.50 LBS.

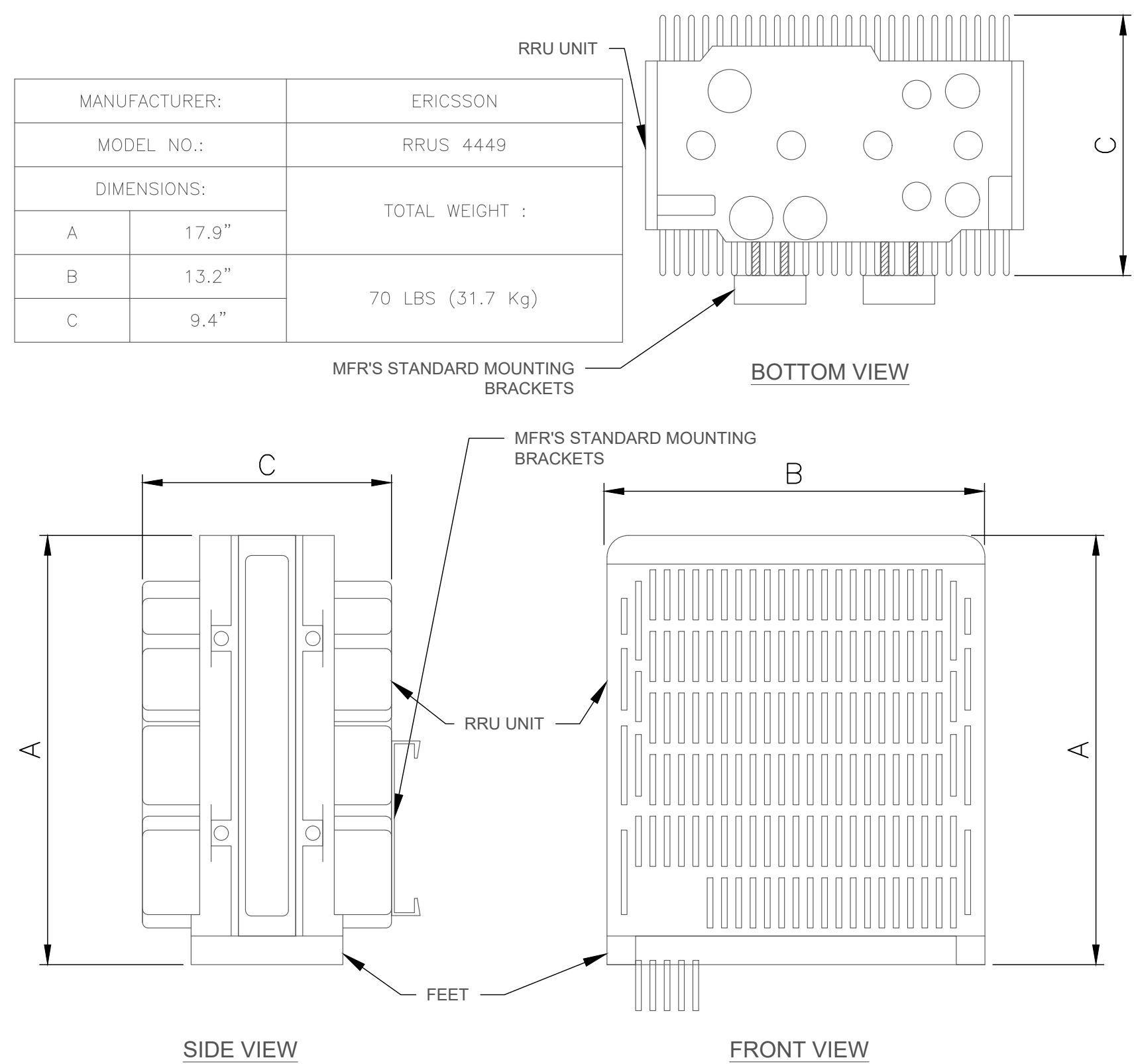
1 ERICSSON – AIR6449 DETAIL
SCALE: NOT TO SCALE



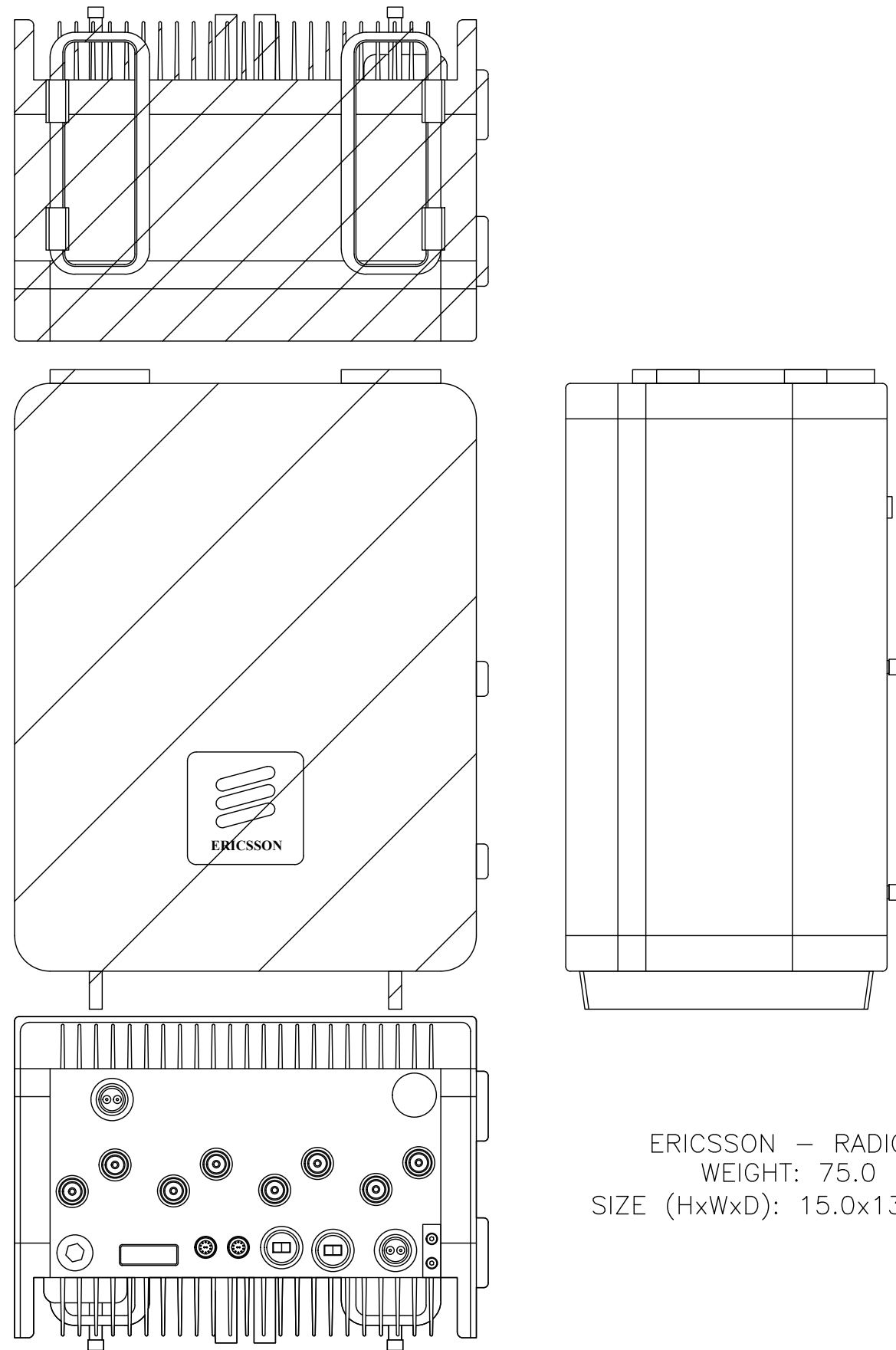
Mechanical specifications	
Dimensions height/width/depth, inches (mm)	70.50 15.00 7.4 (1800 381 0 188.0)
Shipping dimensions length/width/height, inches (mm)	70.20 14.3 (1800 366 380)
Max. of 50° input ports, connector type, and location	15 x 4.3 x 0.5 female, bottom
RF connector torque	95 lbf in (10.65 N m or 8 lbf ft)
Net antenna weight, lb (kg)	57.3 (26)
Shipping weight, lb (kg)	100.7 (45.7)
Antenna mounting and down tilt kit included with antenna	Y1100214
Net weight of the mounting and down tilt kit, lb (kg)	20.3 (9.2)
Range of mechanical up/down tilt	-2° to 12°
Rated wind survival speed, mph (km/h)	150 (241)
Frontal and lateral wind loading @ 150 km/h, lbf (N)	157.3 (699.7), 58.9 (263.1)
Equivalent flat plate @ 100 mph and CpZ, sq ft	1.71
EPA frontal and lateral, K², (m²)	7.1 (0.65), 3.0 (0.33)

Electrical specification (minimum/maximum)	Ports 7, 8, 9, 10			
Frequency bands, MHz	3400-3550	3550-3700	3700-3950	3950-4200
Polarization	±45°			
Average gain over all tilts, dBi	13.6	13.8	14.0	14.2
Horizontal beamwidth (HBW), degrees	64	62	60	58
Front-to-back ratio, co-polar power @180°±30°, dB	>23	>23	>23	>22
Vertical beamwidth (VBW), degrees¹	20	19.6	19.3	18.5
Electrical downtilt (EDT) range, degrees	2-12 orderable in 1 deg increments			
First upper side lobe (USLS) suppression, dB¹	≤-15	≤-15	≤-15	≤-15
Cross-polar isolation, port-to-port, dB¹	25	25	25	25
Max VSWR / return loss, dB	1.5:1 / -14.0			
Max input power per any port, watts	150			
Total composite power all ports (1-10), watts	1500			

2 JMA WIRELESS – MX10FRO660-04 DETAIL
SCALE: NOT TO SCALE

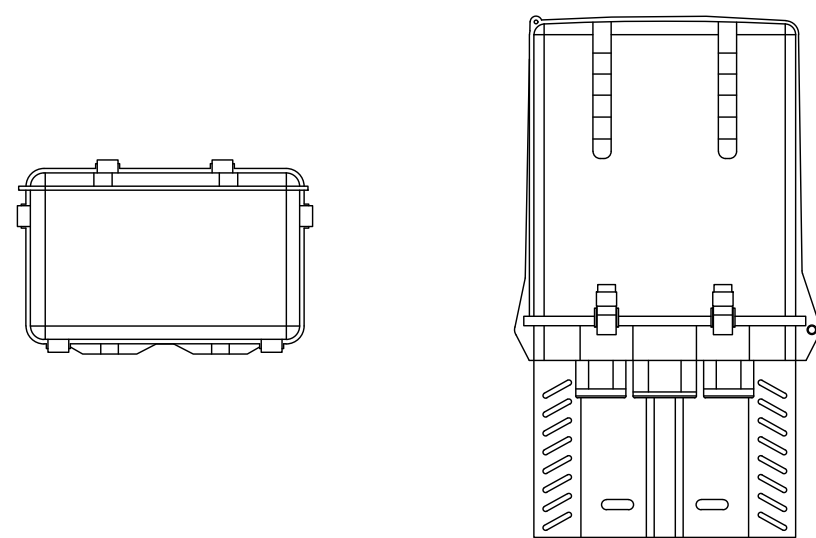


3 ERICSSON RRU4449 DETAIL
SCALE: NOT TO SCALE



ERICSSON – RADIO 8843
WEIGHT: 75.0 LBS
SIZE (HxWxD): 15.0x13.2x10.9 IN.

4 ERICSSON – RRUS 8843 DETAIL
SCALE: NOT TO SCALE



RAYCAP – RVZDC-6627-PF-48
WEIGHT (WITHOUT MOUNTING HARDWARE): 32.0 LBS
SIZE (HxWxD): 29.5x16.5x12.6 IN.

RATED WIND VELOCITY: 150 MPH (SUSTAINED)
OPERATING TEMPERATURE: -40° C TO +80° C
NOMINAL OPERATING DC VOLTAGE: 48 VDC
VOLTAGE PROTECTION RATING (VRP): 400V

5 RVZDC-6627-PF-48 – RAYCAP DETAIL
SCALE: NOT TO SCALE



Product Diagram		Fiber Optic Specifications (RCPRI-1199-CMU)	
[mm] Inches	[407.93] 16.21	Fiber connection method:	Duplex LC/ Duplex LC
		Number of fiber optic pairs	12 Duplex LC Connections In and Out 12 CPM Test Ports
[401.35] 15.80	[401.35] 15.80	Capacity of fiber optic pairs	Up to 12 Duplex LC Connections In and Out Up to 12 CPM Test Ports
		FO Splitters	1x2, 50:50
[441.35] 17.38	[441.35] 17.38	Splitter Type	Coupling 60:40, Low Waterpeak, suitable for CWDM applications
		Fiber Type	900um
[462.40] 18.19	[462.40] 18.19	Splitter Typical Insertion Loss	≤3.8dB
		Splitter Max. Insertion Loss	4.85dB
[465.39] 18.32	[465.39] 18.32	FO connector Max Insertion Loss	0.5dB
		Terminated Splitter Max Loss (Splitter + Connector)	4.8dB
[465.39] 18.32	[465.39] 18.32	Max. Channel Uniformity	0.6dB
		Max. PDL Max PDL	0.3dB
[465.39] 18.32	[465.39] 18.32	Min. return Loss	58dB
		Directivity	55dB
[465.39] 18.32	[465.39] 18.32	Operating temperature	-40° C to +80° C

6 RVZDC-4520-RM-48 – RAYCAP DETAIL
SCALE: NOT TO SCALE

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1515 E. WOODFIELD ROAD
SCHAUMBURG, IL 60173

CROWN CASTLE
1 CITY PLACE DRIVE, SUITE 490
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Trylon
1825 W. WALNUT HILL LANE, SUITE 120
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VERIZON SITE NUMBER:
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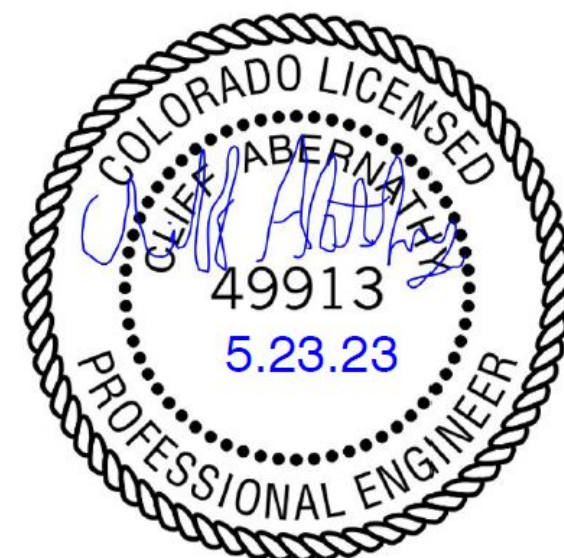
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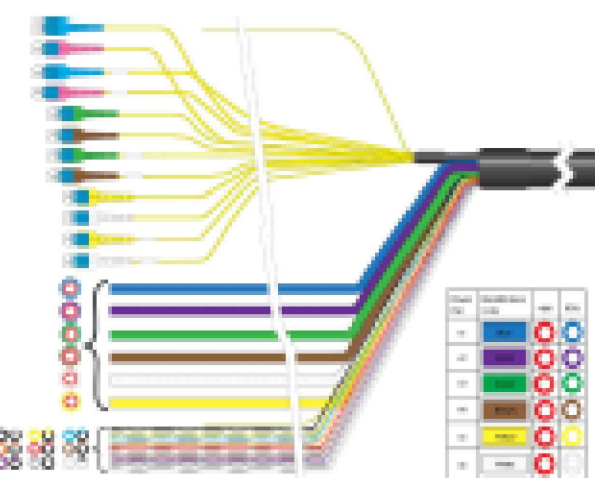
SHEET NUMBER:

C-5

REVISION:

2

Product Specifications



HFT1206-24SVL-190
HELIAX® FiberFeed® Hybrid Cable Assembly, 6X12, Low Inductance, UL Type RHC, 12 power conductors 6 AWG, 24-fiber, 18 alarm wires, PVC jacket, aluminum armor, 190 ft

Construction Materials

Fiber Type	Bend insensitive singlemode fiber (G.657.A2)
Total Fibers, quantity	24
Armor Type	Corrugated aluminum
Jacket Color	Black

Dimensions

Cord Length	57.91 m	190.00 ft
Breakout Length, Fiber, end 1	900 mm	35 in
	950 mm	37 in
	1000 mm	39 in
Breakout Length, Power, end 1	312 mm	12 in
	388 mm	15 in
	490 mm	19 in
Breakout Length, Fiber, end 2	900 mm	35 in
	950 mm	37 in
	1000 mm	39 in
Breakout Length, Power, end 2	725 mm	29 in

Environmental Specifications

Environmental Space	Wireless installation
Operating Temperature	-40 °C to +80 °C (-40 °F to +176 °F)

General Specifications

Conductors, quantity	12
Construction Type	Hybrid standard trunk
Alarm Wire Gauge	18 AWG
Alarm Wire, quantity	18
Center Conductor Gauge	6 AWG
Interface Body Style, connector A	Straight
Interface Body Style, connector B	Straight
Interface Feature, connector A	Standard
Interface Feature, connector B	Standard
Interface, connector A	DLC
Interface, connector B	DLC
Minimum Bend Radius, furcation	30.0 mm 1.2 in

Product Specifications



HFT1206-24SVL-190

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



Included Products

760210922 | HRC-24SM-1206C-1818-APV (Product Component—not orderable) — HELIAX® FiberFeed® Hybrid Cable with Concentric Conductors, UL Type RHC

- CS-8G-MP (Product Component—not orderable) — Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)

verizon

1515 E. WOODFIELD ROAD
SCHAUMBURG, IL 60173

CROWN
CASTLE

1 CITY PLACE DRIVE, SUITE 490
ST. LOUIS, MO 63141

Trylon

1825 W. WALNUT HILL LANE, SUITE 120
IRVING, TEXAS 75038

VERIZON SITE NUMBER:
307653

BU #: 877107
FILL-IN / GREELY/GRE216

151 OAK DRIVE,
EATON, CO 80615

EXISTING 117'-6" MONOPOLE
TOWER

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	12/30/2022	NPS	FINAL	AMT
1	01/04/2023	MVF	FINAL	AMT
2	02/28/2023	KSN	FINAL	AMT
3	03/30/2023	NPS	FINAL	AMT
4	05/15/2023	SBA	FINAL	AMT



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C-6

REVISION:
2



Specification

item	value
Place of Origin	China
	Shandong
Brand Name	ERICSSON
Model Number	Baseband 6648 KDU 137 0015/11
Condition	Un Used
External dimension	58CM*46CM*9 CM
Internal dimension	48.5CM*39CM*4.5CM
Gross weight	8.7KG
Net weight	8KG

1 BBU 6648 DETAIL
SCALE: NOT TO SCALE

N/A

2 BBU NTB1010067/13 DETAIL
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE

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4 NOT USED
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

Dual-mount antenna bracket

- Enables optimal spacing for low-band 4T4R beamforming by allowing for two of the same antenna on one bracket
- Mechanical tilt in line with specified antenna
- Spacing achieved can be 3/4", 2", or 12" (edge-to-edge) dependent on antenna model
- Compatible with MX*, MC*, X7C*, C7C* antenna ranges

Spacing options between dual antennas

X7C* and C7C* models	2 of same antennas locked at 2" spacing
	Example: (2) X7CQAP-FRO-845-V can be locked at 2" of spacing
MX*, MC* models	2 of same antennas locked at 3/4", 2", or 12" spacing
	Example: (2) MX08FRO880-02 can be locked at 2" or 12" spacing (see above image)

Brackets needed per antenna type

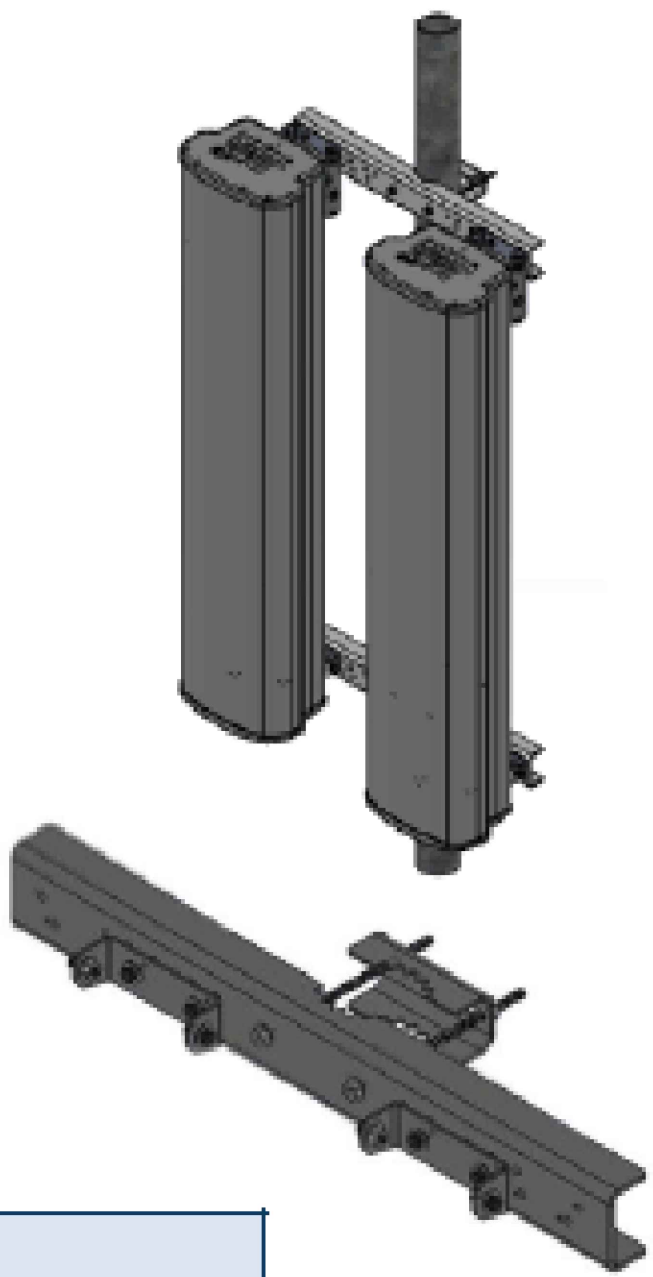
X7C* and C7C* models	All 4' and these 6' antennas:			
	X7CQAP-FRO-845-V	X7CAP-885-V	X7C-885-V	91900314-02 (2 brackets needed)
	X7CQAP-FRO-880-V	X7C-FRO-840-V	X7C-880-V	
	X7CQAP-885-V	X7C-FRO-880-V	C7C-FRO-856-V	
	C7CQCAP-FRO-856-V			
	All 8' and this 6' antenna:			
X7CAP-FRO-840-V			91900314-03 (3 brackets needed)	
MX*, MC* models	4', 6' antennas			91900314-02
	8' antennas			91900314-03

Mechanical specifications

Weight per bracket, lb (kg)	28 lb (12.7 kg) – dual mount bracket parts only
Range of allowable mechanical up/down tilt	Tilt range is not affected by dual mount bracket (see antenna datasheet)
Rated wind survival speed, mph (km/h)	150 mph (241 km/h)
Material specification	0.16" to 0.25" thick hot-dipped, galvanized steel

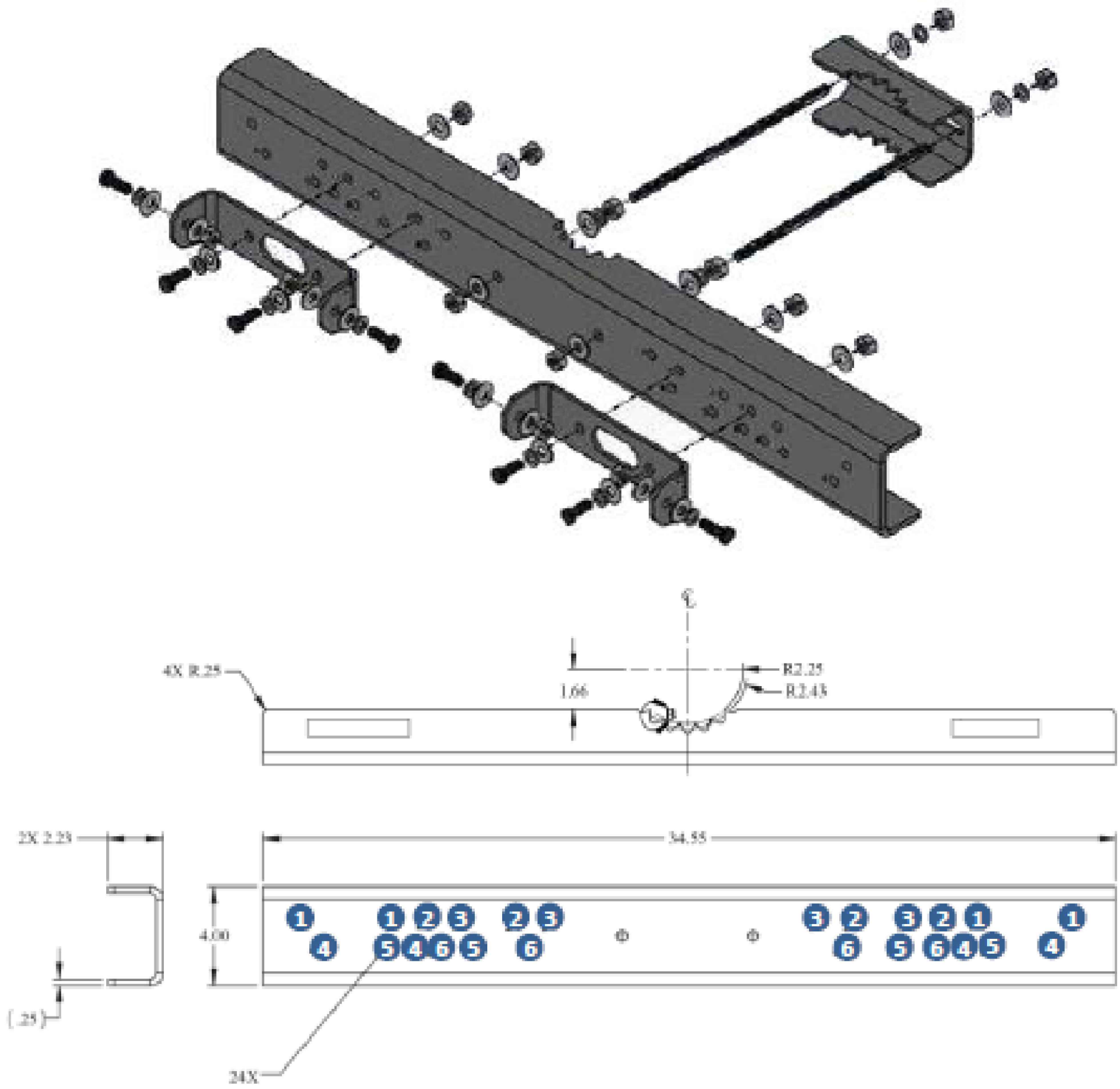
Ordering information

Mounting bracket model	Description
91900314-01	Single dual-mount antenna bracket assembly (see table above, "Brackets per antenna type")
91900314-02	Two dual-mount antenna bracket assemblies
91900314-03	Three dual-mount antenna bracket assemblies
*Compatible antennas	
4'–8' Quad-, Hex-, and Octo-Port macro antennas in the X7C; C7C; X7CAP; C7CAP; X7CQAP; MX, MC models	
Installation instructions	
81900508	Installation instructions for dual-mount bracket assembly (comes with kit)



Dual-mount bracket assembled

Dual-mount bracket assembly guide overview



Model types beginning with:	Antenna width	Corresponding hole position	Resulting spacing between antennas
MX*, MC*	15.4" (wide spacing)	1	12"
	15.4" (narrow spacing)	2	2"
	12"	3	2"
	20"	5	3/4"
X7C*, C7C*	12.5"	3	2"
	24.0"	4	2"
	18.8"	5	2"
	14.6"	6	2"

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151 OAK DRIVE,
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EXISTING 117'-6" MONOPOLE
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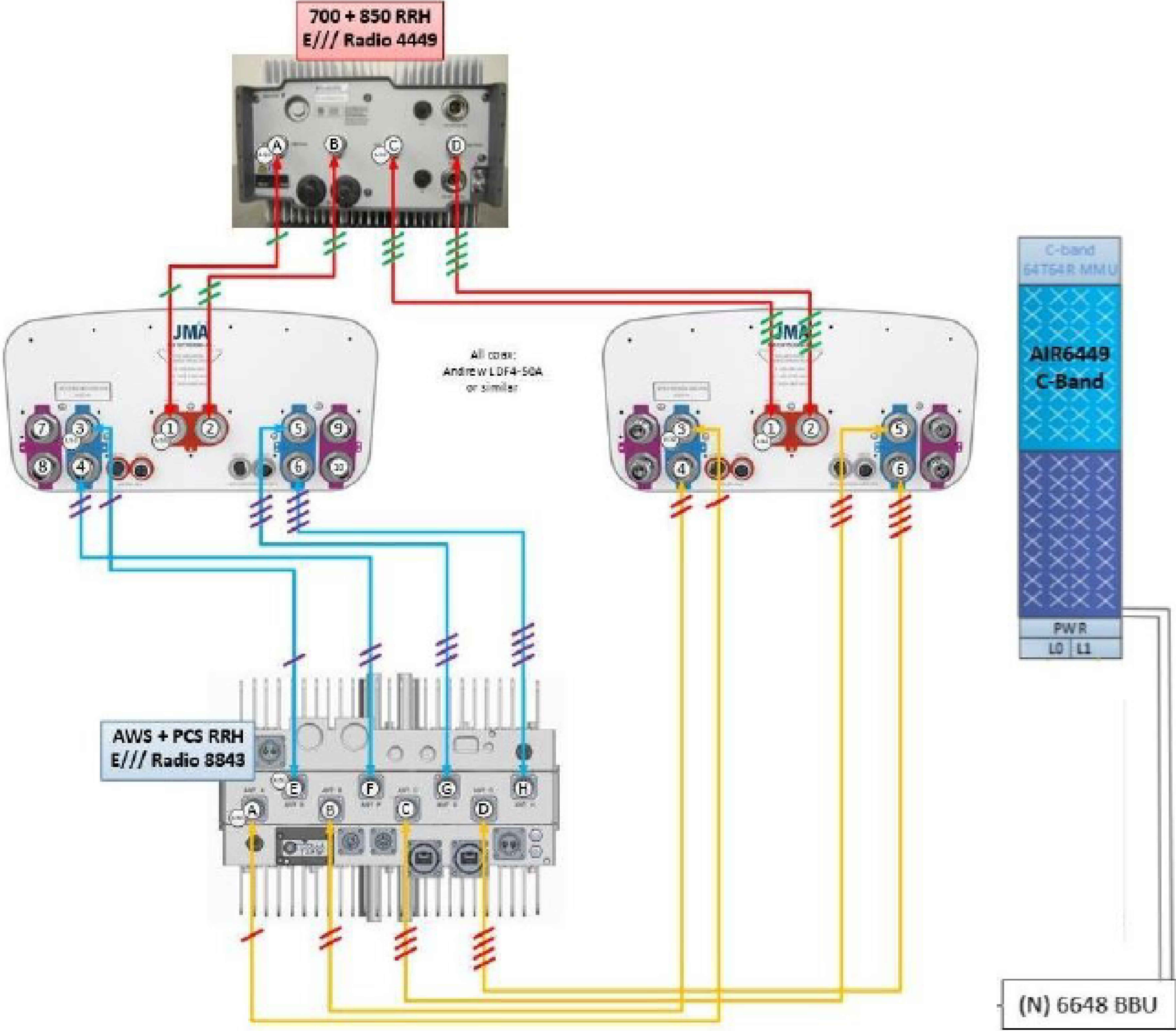
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JMA MX10 FRO 6/8 60 or FRO 4/6/8 40 or FIT 4 65
2x 10-Port Antennas + 2x RRHs



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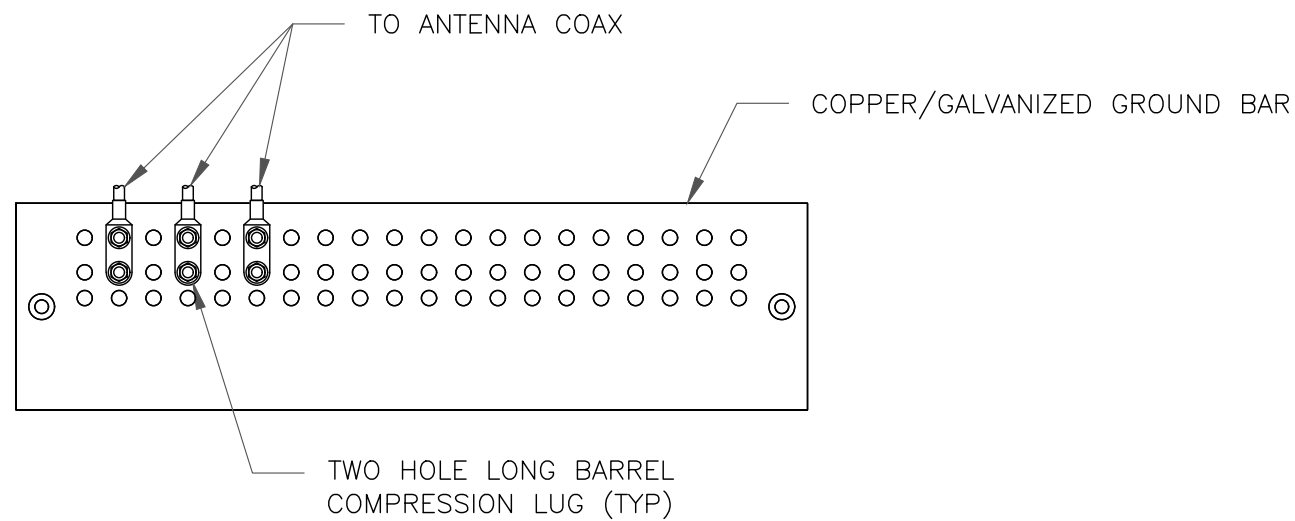
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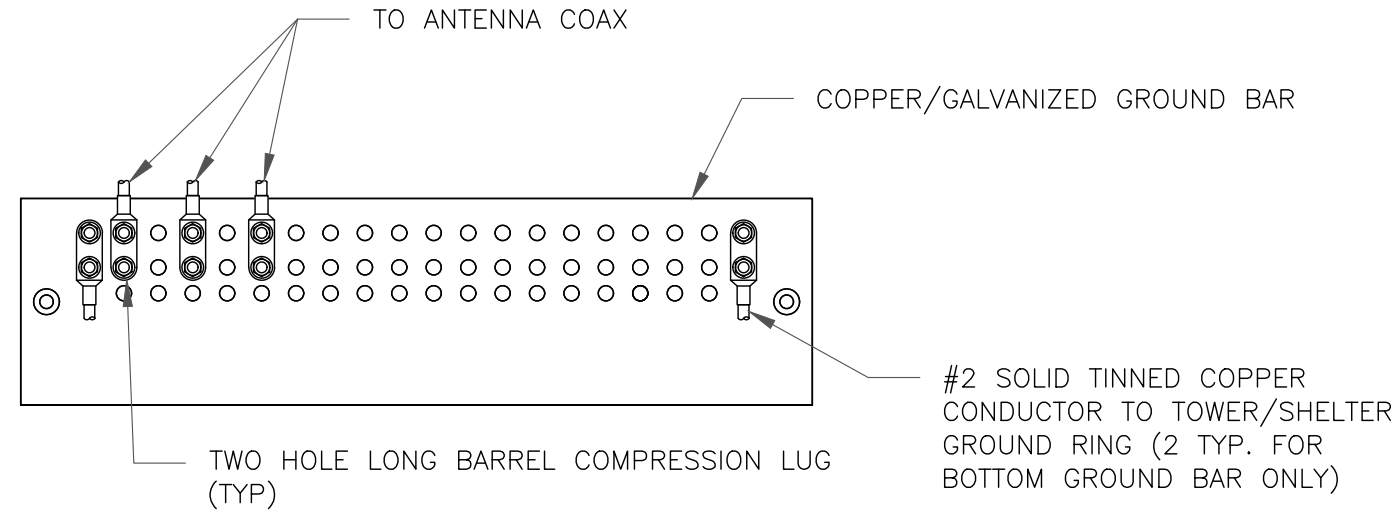
2



NOTES:

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

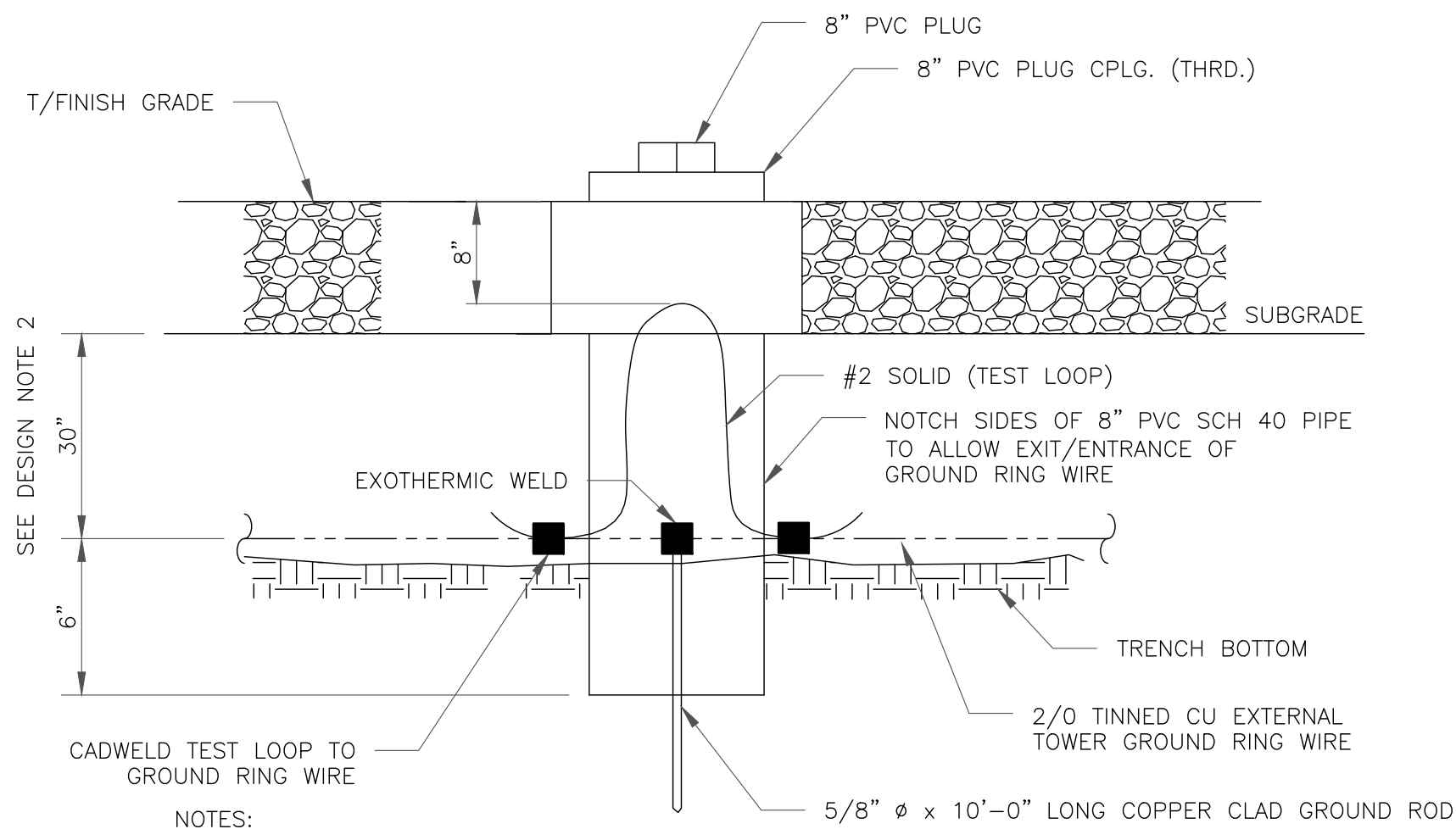
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

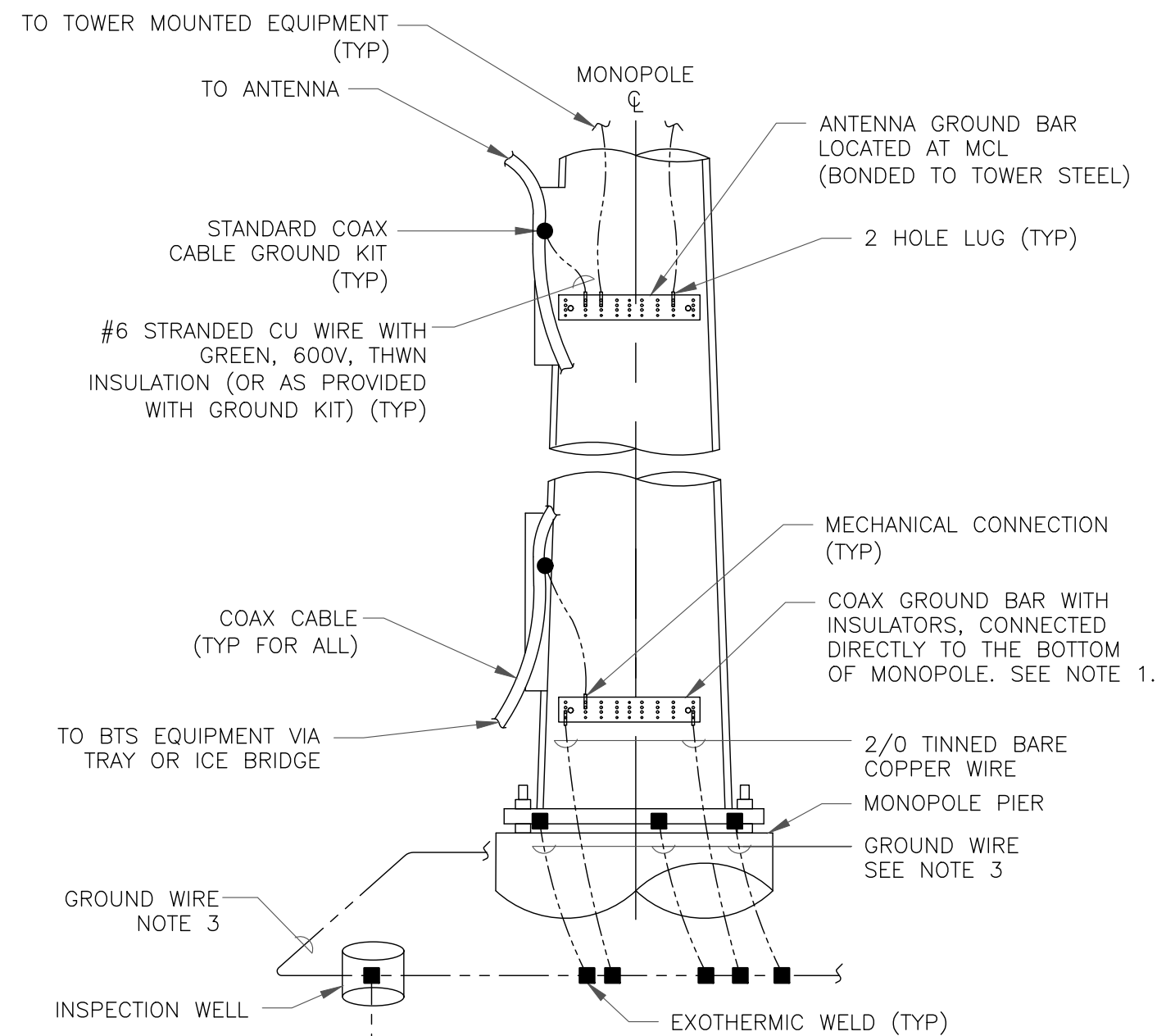
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

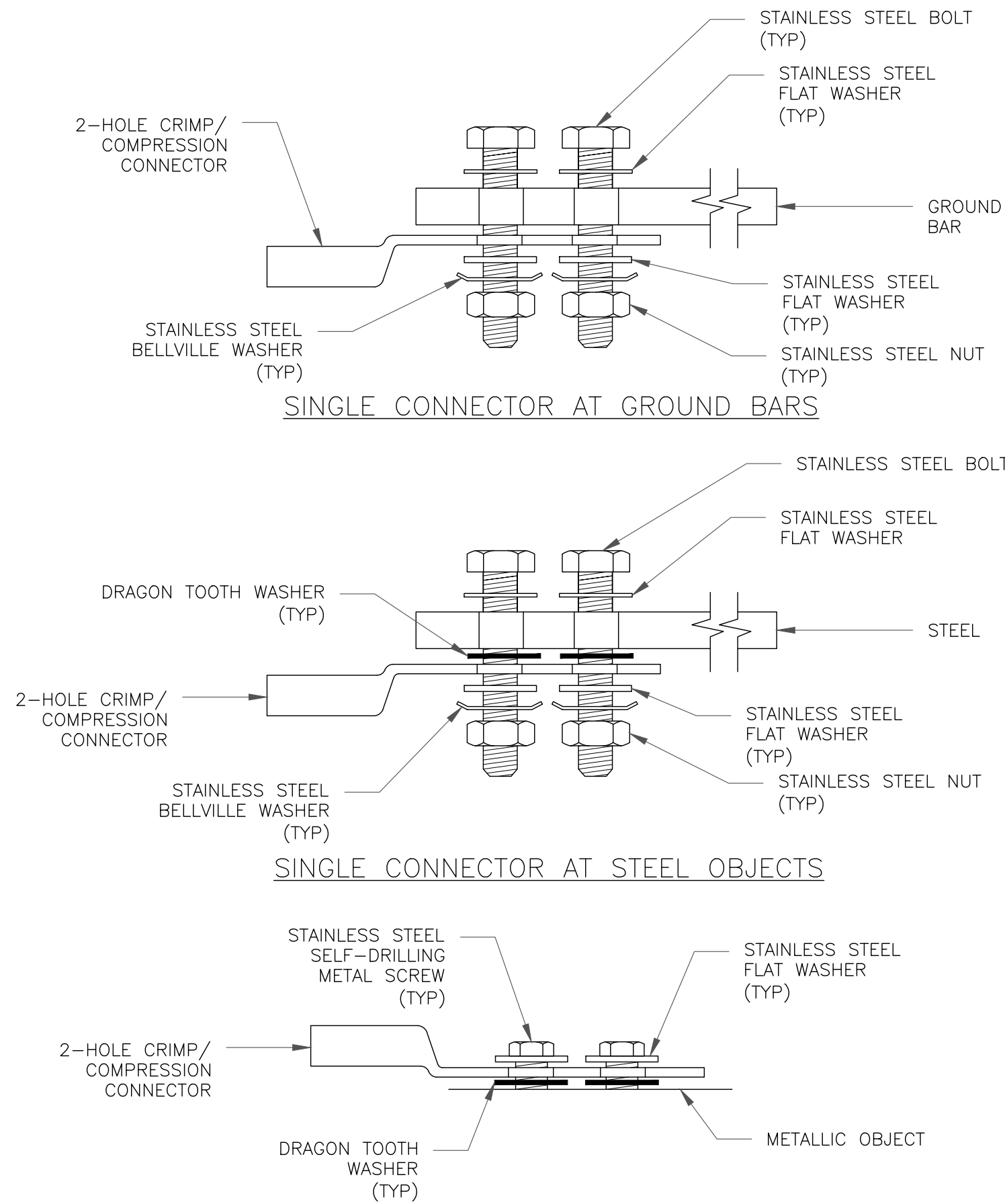
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



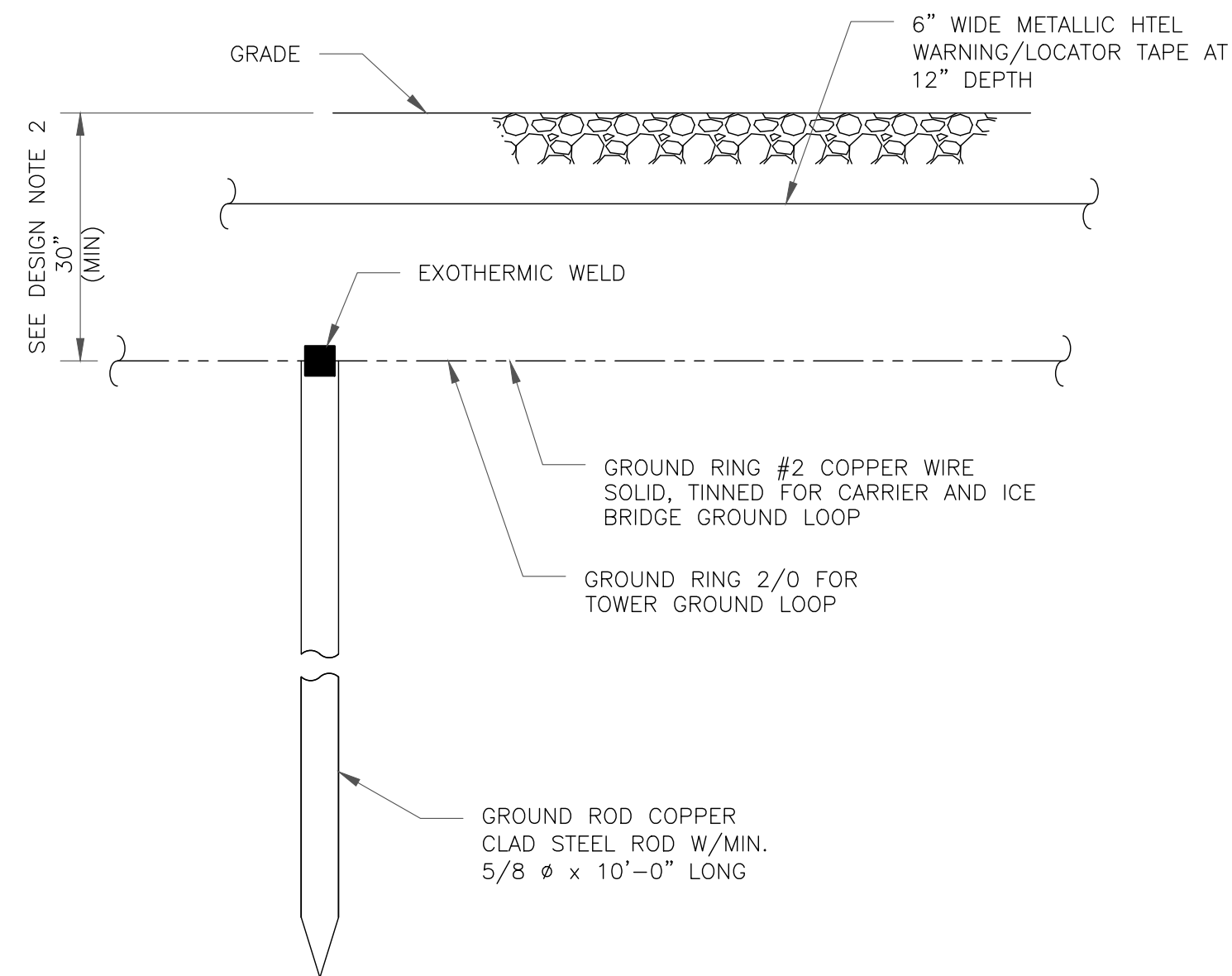
NOTES:

1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATIONS AND CONNECTION ORIENTATION. COAXIAL CABLES EXCEEDING 200 FEET ON THE TOWER SHALL HAVE GROUND KITS AT THE MIDPOINT. PROVIDE AS REQUIRED.
2. ONLY MECHANICAL CONNECTIONS ARE ALLOWED TO BE MADE TO CROWN CASTLE USA INC. TOWERS. ALL MECHANICAL CONNECTIONS SHALL BE TREATED WITH AN ANTI-OXIDANT COATING.
3. ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE RECOGNIZED EDITION OF ANSI/TIA 222 AND NFPA 780.

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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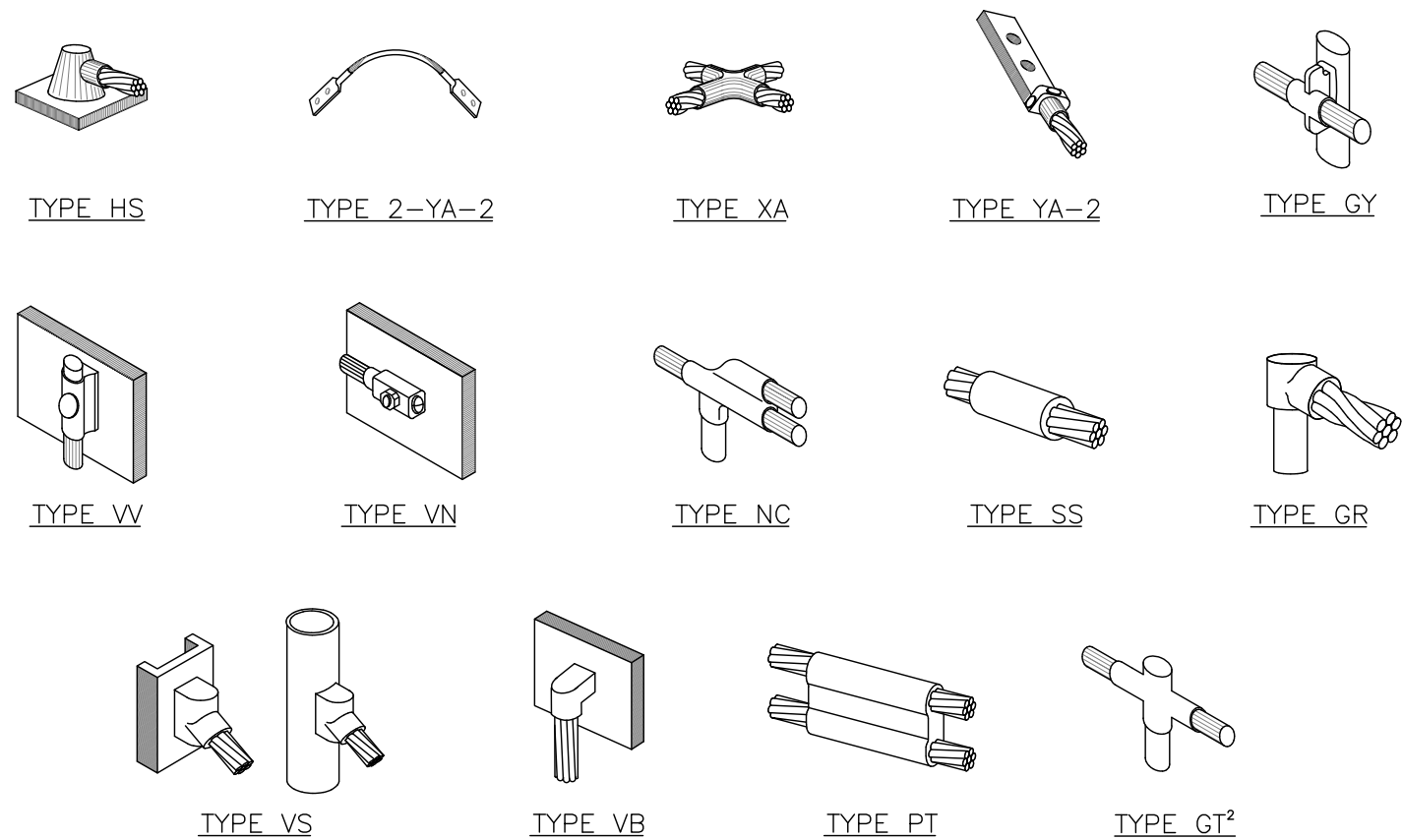
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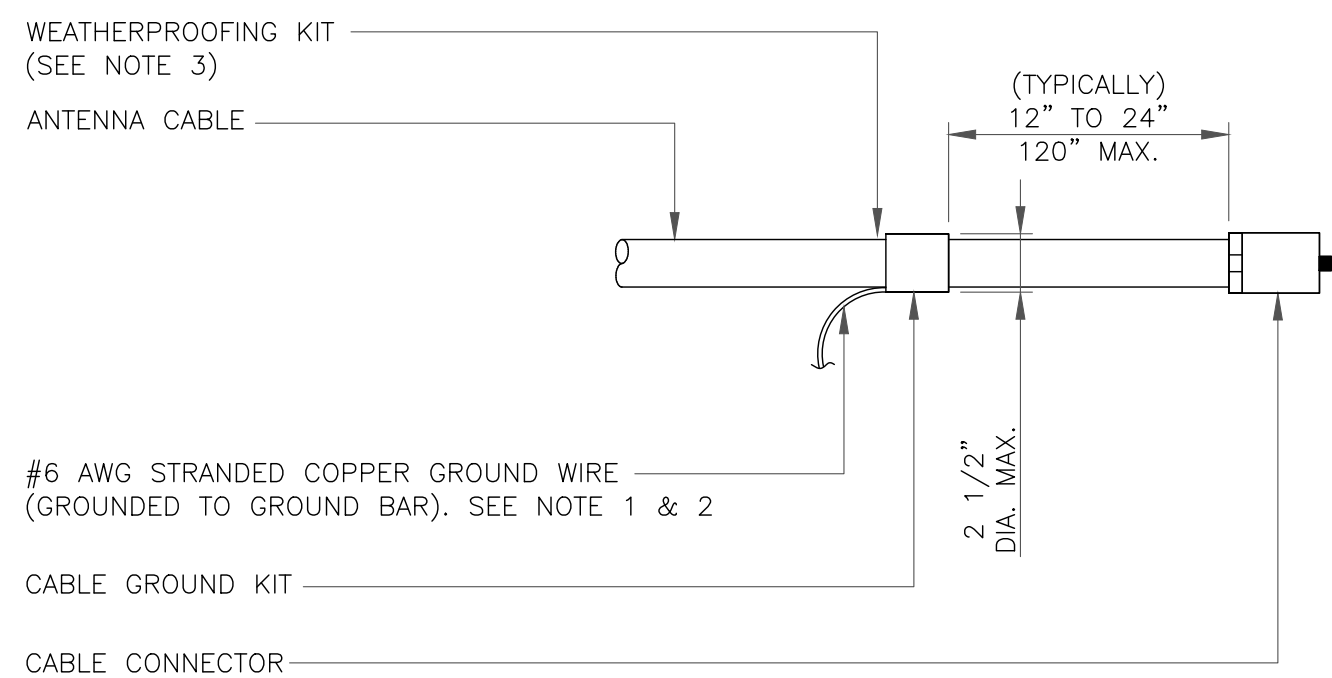
2



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.

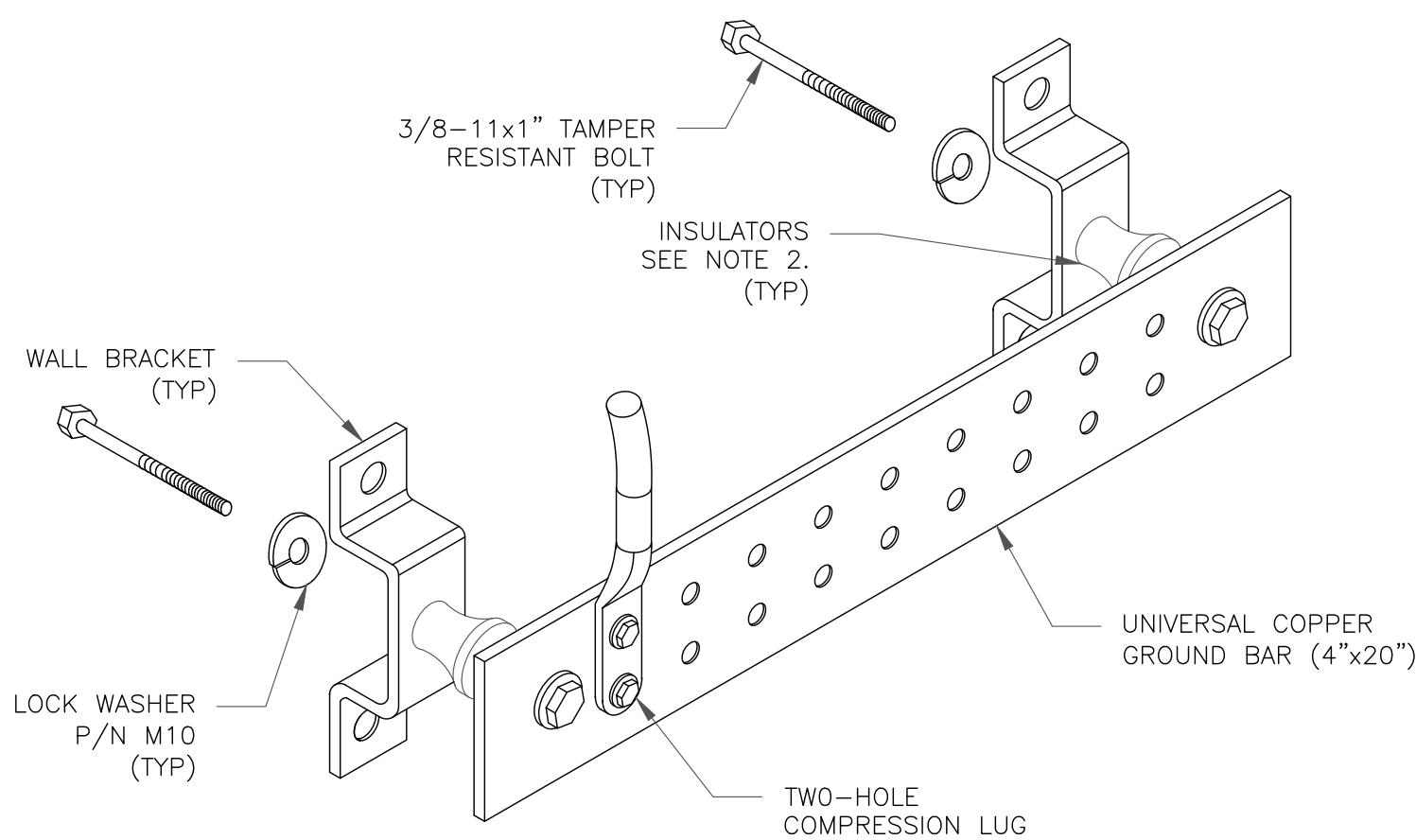
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



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.

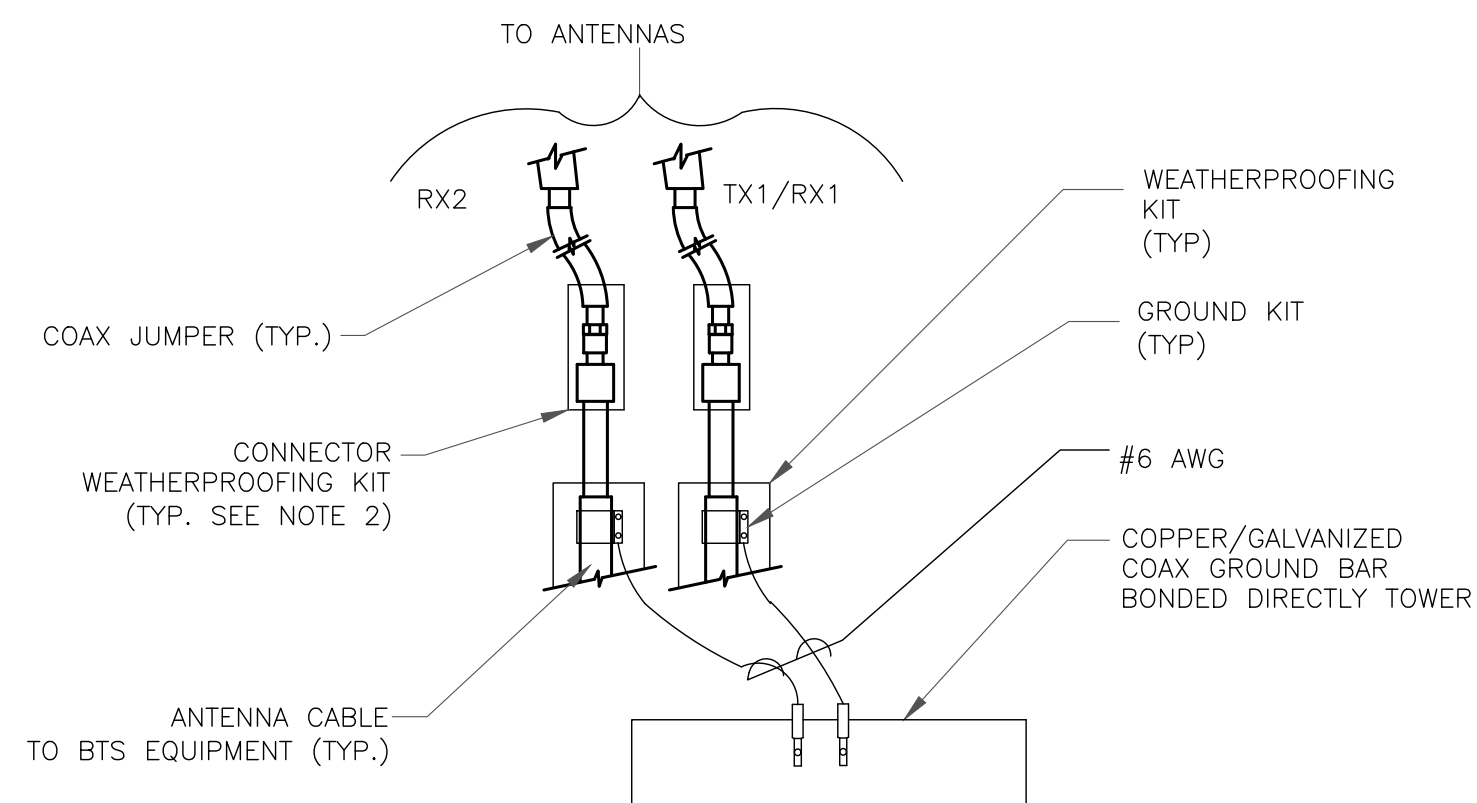
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



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.

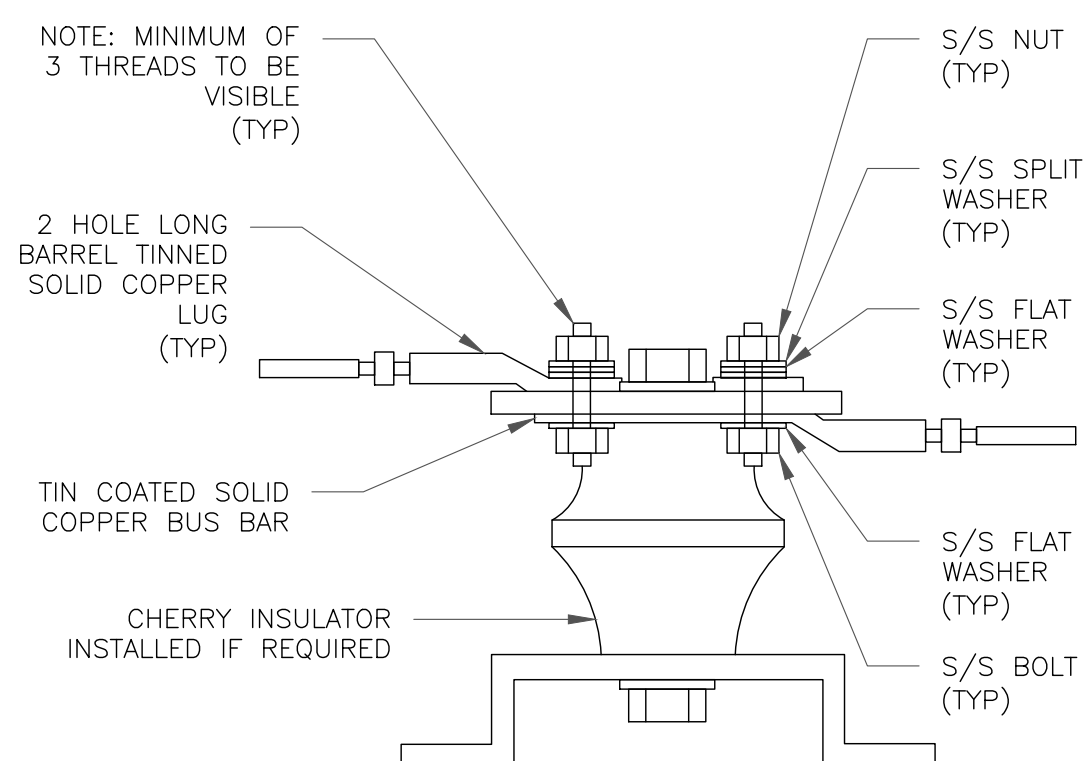
6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

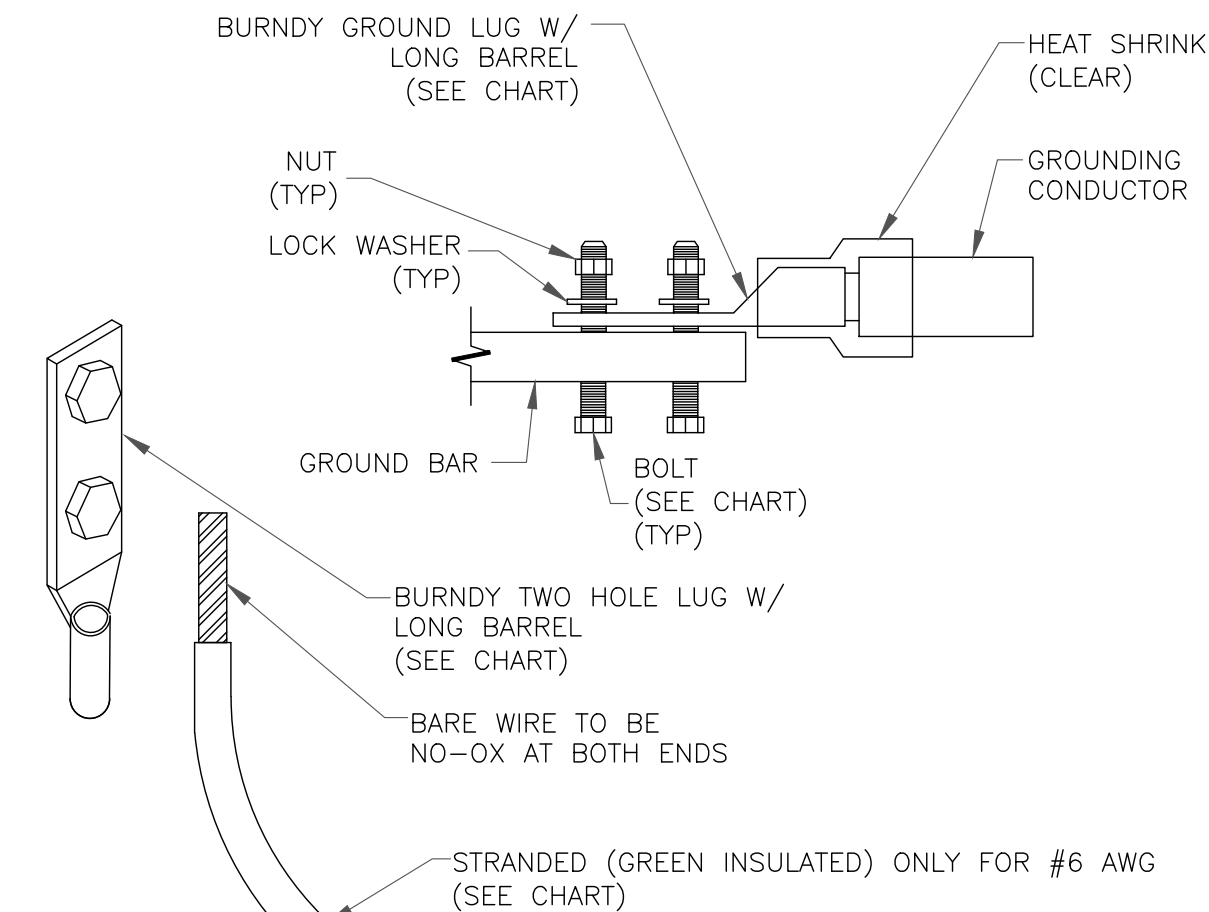
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE

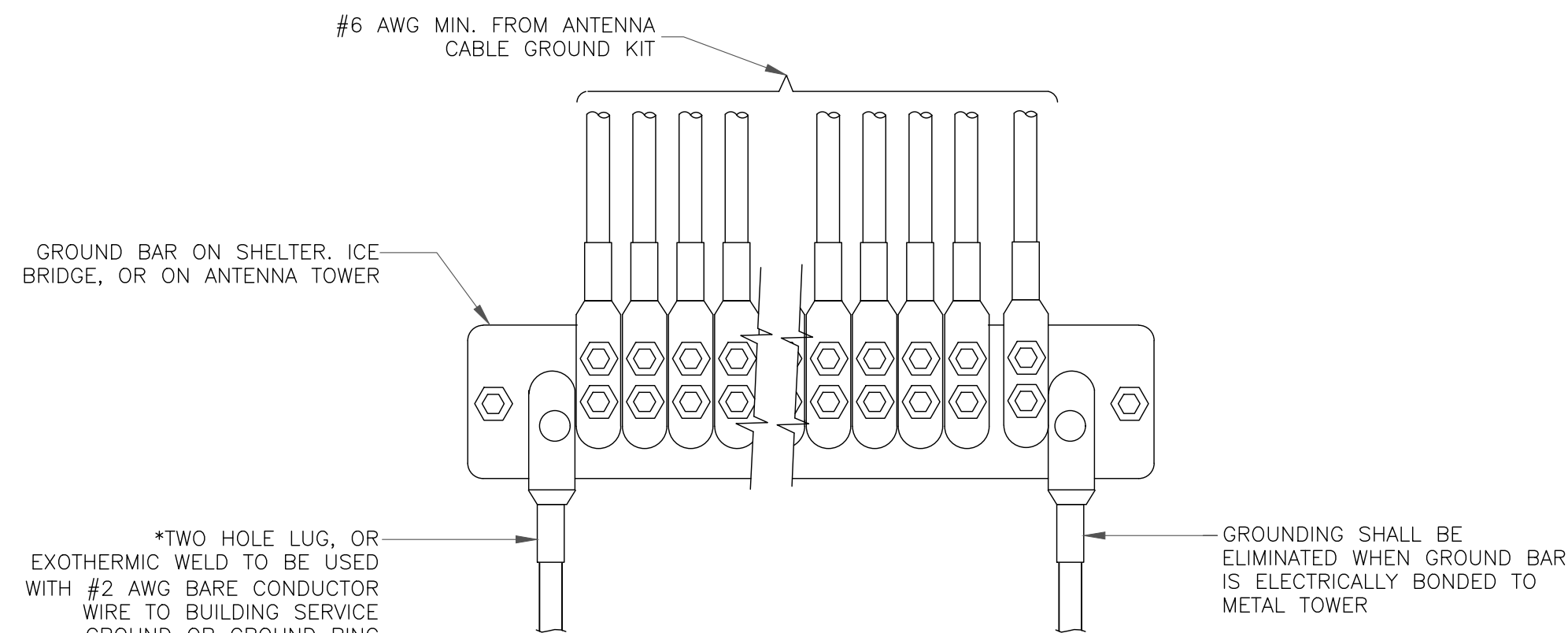
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



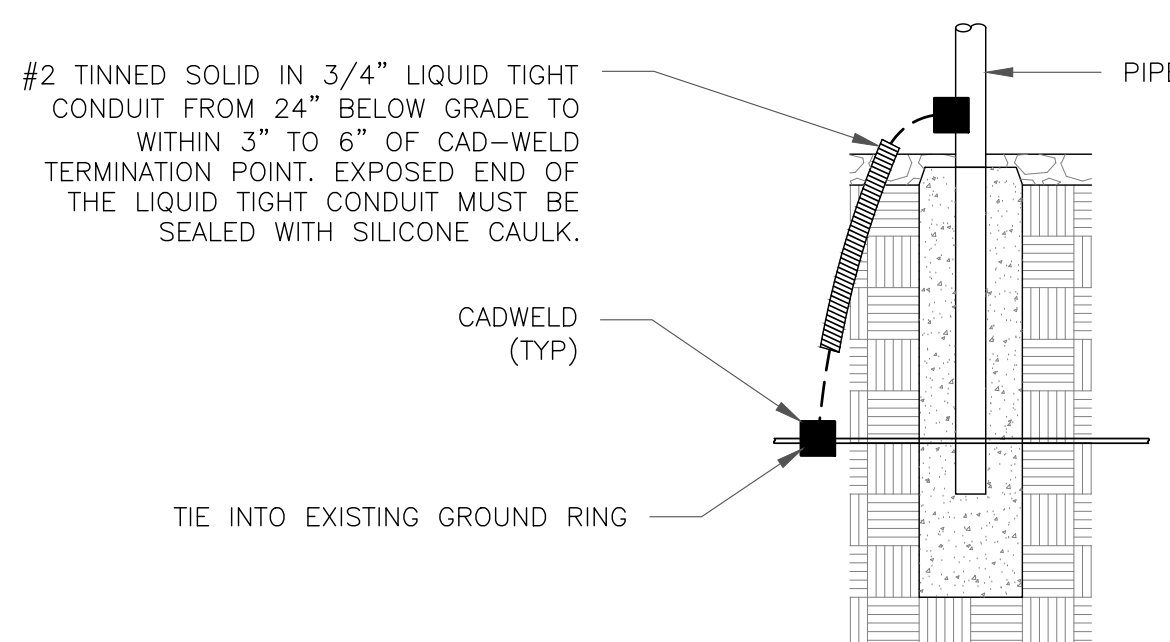
NOTES:

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



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G-2	2

EXHIBIT "C-1"
TO FIRST MODIFICATION TO
GRANT OF EASEMENT

[Description of Tower Area]

A PARCEL OF LAND LOCATED IN THE NORTHWEST QUARTER OF SECTION 6, TOWNSHIP 6 NORTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF WELD, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BASIS OF BEARINGS: BEARINGS ARE BASED UPON THE NORTH LINE OF THE NW1/4, SEC 6, T6N, R65W, OF THE 6TH P.M., SAID LINE IS ASSUMED TO BEAR SOUTH 88°15'57" EAST A DISTANCE OF 2651.32 FEET BETWEEN A FOUND MAG NAIL FOUND AT THE NW CORNER SAID NW1/4 AND A 3.25" ALUMINUM CAP STAMPED PLS 10855 FOUND AT THE N1/4 CORNER SAID SECTION 6.

COMMENCING AT THE NORTH QUARTER OF SAID SECTION 6, A FOUND 3.25" ALUMINUM CAP STAMPED, P.L.S. NO. 10855;

THENCE N88°15'57"W ALONG THE NORTH LINE OF SAID NORTHWEST QUARTER, A DISTANCE OF 905.44 FEET;

THENCE DEPARTING SAID NORTH LINE, S00°00'00"W, A DISTANCE OF 652.03 FEET;
THENCE S22°55'50"E, A DISTANCE OF 15.00 FEET TO THE POINT OF BEGINNING;

THENCE CONTINUING S22°55'50"E, 30.00 FEET;

THENCE S67°04'10"W, 20.00 FEET;

THENCE N22°55'50"W, 30.00;

THENCE N67°04'10"E 20.00 FEET TO THE POINT OF BEGINNING.

CONTAINING +\ -600 SQUARE FEET OR +\ -0.014 ACRES MORE OR LESS.

EXHIBIT "C-2"
TO FIRST MODIFICATION TO
GRANT OF EASEMENT

[Description of Access and (Guy and/or Utility) Areas]

15-FOOT ACCESS AND UTILITY AREA:

A PARCEL OF LAND LOCATED IN THE NORTHWEST QUARTER OF SECTION 6, TOWNSHIP 6 NORTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF WELD, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH QUARTER OF SAID SECTION 6, A FOUND 3.25" ALLOW CAP STAMPED, P.L.S. NO. 10855;

BASIS OF BEARINGS: BEARINGS ARE BASED UPON THE NORTH LINE OF THE NW1/4, SEC 6, T6N, R65W, OF THE 6TH P.M., SAID LINE IS ASSUMED TO BEAR SOUTH 88°15'57" EAST A DISTANCE OF 2651.32 FEET BETWEEN A FOUND MAG NAIL FOUND AT THE NW CORNER SAID NW1/4 AND A 3.25" ALUMINUM CAP STAMPED PLS 10855 FOUND AT THE N1/4 CORNER SAID SECTION 6.

THENCE NORTH 88°15'57" WEST ALONG THE NORTH LINE OF SAID NORTHWEST QUARTER A DISTANCE OF 795.56 FEET;

THENCE DEPARTING SAID NORTH LINE SOUTH 00°00'00" WEST A DISTANCE OF 693.86 FEET;

THENCE SOUTH 61°46'12" WEST A DISTANCE OF 20.92 FEET;

THENCE SOUTH 65°08'48" WEST A DISTANCE OF 60.86 FEET;

THENCE NORTH 22°55'50" WEST A DISTANCE OF 55.17 FEET TO THE POINT OF BEGINNING;

THENCE SOUTH 67°04'10" WEST A DISTANCE OF 1.89 FEET;

THENCE NORTH 22°55'50" WEST A DISTANCE OF 33.18 FEET;

THENCE NORTH 67°04'10" EAST A DISTANCE OF 15.00 FEET;

THENCE SOUTH 22°55'50" EAST A DISTANCE OF 33.18 FEET;

THENCE SOUTH 67°04'10" WEST A DISTANCE OF 13.11 FEET TO THE POINT OF BEGINNING.

CONTAINING ±498 SQUARE FEET OR ±0.011 ACRES, MORE OR LESS.

20 FOOT WIDE ACCESS AND UTILITY AREA:

A 20 FOOT WIDE TOWER ACCESS EASEMENT LOCATED IN THE NORTHWEST QUARTER OF SECTION 6, TOWNSHIP 6 NORTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF WELD, STATE OF COLORADO, BEING 10 FEET ON EACH SIDE OF THE FOLLOWING CENTERLINE:

COMMENCING AT THE NORTH QUARTER OF SAID SECTION 6, A FOUND 3.25" ALLOW CAP STAMPED, P.L.S. NO. 10855;

THENCE N88°15'57"W ON THE NORTH LINE OF SAID NORTHWEST QUARTER, 795.56 FEET;

THENCE DEPARTING SAID NORTH LINE S00°00'00"W, 693.86 FEET TO THE POINT OF BEGINNING;

THENCE S61°46'12"W, 20.92 FEET;

THENCE S65°08'48"W, 60.86 FEET;

THENCE N22°55'50"W, 55.17 FEET TO THE POINT OF TERMINUS.

CONTAINING A COMPUTED AREA OF +/-2,737.93 SQUARE FEET MORE OR LESS.

EXHIBIT "C-3"
TO FIRST MODIFICATION TO
GRANT OF EASEMENT

[Description of Additional Easement Area]

A PARCEL OF LAND LOCATED IN THE NORTHWEST QUARTER OF SECTION 6, TOWNSHIP 6 NORTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF WELD, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH QUARTER OF SAID SECTION 6, A FOUND 3.25" ALUMINUM CAP STAMPED, P.L.S. NO. 10855;

BASIS OF BEARINGS: BEARINGS ARE BASED UPON THE NORTH LINE OF THE NW1/4, SEC 6, T6N, R65W, OF THE 6TH P.M., SAID LINE IS ASSUMED TO BEAR SOUTH 88°15'57" EAST A DISTANCE OF 2651.32 FEET BETWEEN A FOUND MAG NAIL FOUND AT THE NW CORNER SAID NW1/4 AND A 3.25" ALUMINUM CAP STAMPED PLS 10855 FOUND AT THE N1/4 CORNER SAID SECTION 6.

THENCE N88°15'57"W ALONG THE NORTH LINE OF SAID NORTHWEST QUARTER, A DISTANCE OF 905.44 FEET;
THENCE DEPARTING SAID NORTH LINE S00°00'00"W, A DISTANCE OF 652.03 FEET TO THE POINT OF BEGINNING;

THENCE CONTINUING S22°55'50"E, A DISTANCE OF 15.00 FEET;
THENCE S67°04'10"W, A DISTANCE OF 20.00 FEET;
THENCE N22°55'50"W, A DISTANCE OF 15.00 FEET;
THENCE N67°04'10"E, A DISTANCE OF 20.00 FEET TO THE POINT OF BEGINNING.

CONTAINING +\-300 SQUARE FEET OR +\-0.007 ACRES MORE OR LESS.

EXHIBIT "C-4"
TO FIRST MODIFICATION TO
GRANT OF EASEMENT

[Description of Easement Area, as expanded]

A PARCEL OF LAND LOCATED IN THE NORTHWEST QUARTER OF SECTION 6, TOWNSHIP 6 NORTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF WELD, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BASIS OF BEARINGS: BEARINGS ARE BASED UPON THE NORTH LINE OF THE NW1/4, SEC 6, T6N, R65W, OF THE 6TH P.M., SAID LINE IS ASSUMED TO BEAR SOUTH 88°15'57" EAST A DISTANCE OF 2651.32 FEET BETWEEN A FOUND MAG NAIL FOUND AT THE NW CORNER SAID NW1/4 AND A 3.25" ALUMINUM CAP STAMPED PLS 10855 FOUND AT THE N1/4 CORNER SAID SECTION 6.

COMMENCING AT THE NORTH QUARTER OF SAID SECTION 6, A FOUND 3.25" ALUMINUM CAP STAMPED, P.L.S. NO. 10855;

THENCE N88°15'57"W ON THE NORTH LINE OF SAID NORTHWEST QUARTER, A DISTANCE OF 905.44 FEET;
THENCE DEPARTING SAID NORTH LINE S00°00'00"W, A DISTANCE OF 652.03 FEET TO THE POINT OF BEGINNING;

THENCE S22°55'50"E, A DISTANCE OF 45.00 FEET;
THENCE S67°04'10"W, A DISTANCE OF 20.00 FEET;
THENCE N22°55'50"W, A DISTANCE OF 45.00 FEET;
THENCE N67°04'10"E, A DISTANCE OF 20.00 FEET TO THE POINT OF BEGINNING.

CONTAINING +\ -900 SQUARE FEET OR +\ -0.021 ACRES MORE OR LESS.

The legal descriptions set forth on Exhibits C above were prepared by:

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