

STATE OF CONNECTICUT CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: <u>siting.council@ct.gov</u>
Web Site: portal.ct.gov/csc

VIA ELECTRONIC MAIL

June 2, 2022

Jeffrey Barbadora
Site Acquisition Specialist
Crown Castle
1800 W. Park Drive
Westborough, MA 01581
Jeff.barbadora@crowncastle.com

RE: **EM-T-MOBILE-011-220428** – T-Mobile notice of intent to modify an existing

telecommunications facility located at 28 Brewer Drive, Bloomfield, Connecticut.

Dear Mr. Barbadora:

The Connecticut Siting Council (Council) is in receipt of your correspondence of May 23, 2022 submitted in response to the Council's May 23, 2022 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

The submission renders the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation. Sincerely,

Melanie Bachman Executive Director

MuliBhal

MAB/FOC/laf

From: Barbadora, Jeff <Jeff.Barbadora@crowncastle.com>

Sent: Monday, May 23, 2022 2:53 PM **To:** Fontaine, Lisa < Lisa. Fontaine@ct.gov>

Cc: CSC-DL Siting Council <Siting.Council@ct.gov>

Subject: RE: Council Incomplete Letter - EM-T-MOBILE-011-220428 Brewer Dr., Bloomfield

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.

Good afternoon Lisa,

A hard copy is being overnighted to your office for tomorrow morning delivery.

Thanks,

Jeffrey Barbadora

Site Acquisition Specialist 781-970-0053

Crown Castle

1800 W. Park Drive Westborough, MA 01581



T-MOBILE SITE NUMBER: CT11278A

BLOOMFIELD/DTWN T-MOBILE SITE NAME:

SITE TYPE: MONOPOLE

TOWER HEIGHT: 120' **BUSINESS UNIT #: 876329**

SITE ADDRESS: BLOOMFIELD, CT 06002 **COUNTY:** HARTFORD

JURISDICTION: CT - TOWN OF BLOOMFIELD

LOCATION MAP

28 BREWER DR.

T-MOBILE ANCHOR

SITE CONFIGURATION: 67D5A997DB OUTDOOR

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:

SITE ADDRESS:

MTN. VIEW CEM. (FILLEY PARK) 28 BREWER DR.

(41° 50' 06.57"

(-72° 44' 28.32"

BLOOMFIELD, CT 06002 COUNTY: HARTFORD

MAP/PARCEL # 177-4-1 AREA OF CONSTRUCTION: EXISTING LATITUDE: 41.83516

LONGITUDE: -72 7/12 LAT/LONG TYPE: NAD83

GROUND ELEVATION: 203' AMSI CURRENT ZONING: MUN LAND COM IURISDICTION: CT - TOWN OF BLOOMFIELD

OCCUPANCY CLASSIFICATION:

TYPE OF CONSTRUCTION:

A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION

PROPERTY OWNER: BLOOMFIELD TOWN OF

800 BLOOMFIELD AVE. BLOOMFIELD CT 06002

TOWER OWNER: CROWN CASTLE INC. 2000 CORPORATE DRIVE

CANONSBURG, PA 15317 T-MOBILE LLC CARRIER/APPLICANT:

35 GRIFFIN ROAD

BLOOMFIELD, CT 06002 FLECTRIC PROVIDER ITRON

TELCO PROVIDER:

FLOODPLAIN INFORMATION

THIS SITE IS NOT IN ANY SPECIAL FLOOD HAZARD AREAS OR FUTURE CONDITIONS FLOOD HAZARD AREAS, AS SHOWN ON: FIRM PANEL(S): 09003C0353F EFFECTIVE DATE(S): 9/26/2008

PROJECT TEAM

P MARSHALL & ASSOCIATES LLC A&E FIRM:

3545 WHITEHALL PARK DRIVE SUITE 450 CHARLOTTE NC 28273

478-542-3291

CROWN CASTLE CROWN CASTLE USA INC. DISTRICT 46 BROADWAY MENANDS, NY 12204

MIAGINAZIIZ

SUSAN.PALM@CROWNCASTLE.COM

205-909-2049

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

		DRAWING INDEX
	SHEET #	SHEET DESCRIPTION
Ш	T-1	TITLE SHEET
Ш	GN-1	GENERAL NOTES
Ш	C-1.1	SITE PLAN
Ш	C-1.2	EXISTING & PROPOSED EQUIPMENT PLAN
Ш	C-2	EXISTING & FINAL ELEVATION
	C-3	ANTENNA PLANS & SCHEDULE
	C-4	MOUNTING DETAILS
	C-5	TOWER EQUIPMENT SPECIFICATIONS
	C-6	RF SPECIFICATIONS
	C-7	CABINET SPECIFICATIONS
	C-8	EQUIPMENT DETAILS
	E-1	UTILITY ROUTING AND GROUNDING PLAN
	E-2	AC PANEL SCHEDULES & ONE LINE DIAGRAM
	E-3	COLOR CODING CHART
	G-1	ANTENNA GROUNDING DETAILS
	G-2	GROUNDING DETAILS
ı		

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR FULL SIZE CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS ND CONDITIONS ON THE IOR SITE AND SHALL IMMEDIATELY NOTIF THE ENGINEER IN WRITING OF ANY DISCREPANCIES REFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK • REMOVE (3) ANTENNAS

- REMOVE (3) TMAs
- REMOVE (6) 1-5/8" COAX CABLES
- INSTALL (3) ANTENNAS
- INSTALL (3) RRHs
- INSTALL (1) 6x24 4AWG HYBRID CABLES
- INSTALL (3) HANDRAIL SUPPORT KITS GROUND SCOPE OF WORK:
- UPGRADE BTS CABINET BREAKER
- INSTALL 6160 & B160 CABINETS
- INSTALL (1) BACKUP BATTERY UNIT

THE POWER DESIGN FOR ANY AC ELECTRICAL POWER CHANGES IS TO BE PERFORMED BY OTHERS AND IS SHOWN HERE FOR REFERENCE PURPOSES ONLY, T-MOBILE IS SOLELY RESPONSIBLE FOR THE ELECTRICAL POWER DESIGN

Granby East Granby Windsor Barkhamsted Winsted Locks East Windsor Ellington Winchester 91 (202) New Hartford Tolland (8) Simsbury Windsor South Windsor (44) (202) Bloomfield Canton (5) Vernon Avon 291 Torrington (44) Covent Manchester Harwinton Burlington Hartford (2) Farmington

NO SCALE

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

2018 CT STATE BUILDING CODE (IBC 2015) BUILDING 2018 CT STATE MECHANICAL CODE (IMC 2015) MECHANICAL FLECTRICAL 2017 ELECTRICAL CODE - NFPA 70

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: CROWN CASTLE 2088365 DATED: 03/31/22

> MOUNT ANALYSIS: TRYLON 205693 DATED: 03/24/22

RFDS REVISION: 7 DATED: 02/15/22

ORDER ID: 607746 REVISION: 0

APPROVALS

APPROVAL	SIGNATURE	<u>DATE</u>
PROPERTY OWNER OR REP.		
LAND USE PLANNER		- <u> </u>
T-MOBILE		/1
OPERATIONS		
RF		
NETWORK		
BACKHAUL		
CONSTRUCTION MANAGER		
	APPROVE AND ACCEPT THESE OR TO PROCEED WITH THE COI	

HEREIN. ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND ANY CHANGES AND MODIFICATIONS THEY



CALL CONNECTICUT ONE CALL (800) 922-4455 CALL 3 WORKING DAYS **BEFORE YOU DIG!**





35 GRIFFIN ROAD BLOOMFIELD, CT 06002





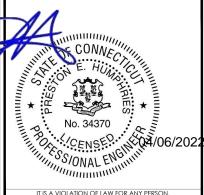
3545 WHITEHALL PARK DRIVE SUITE 450 CHARLOTTE. NORTH CAROLINA 28273

T-MOBILE SITE NUMBER: CT11278A CROWN CASTLE BU #: 876329 SITE ADDRESS:

> 28 BREWER DR. BLOOMFIELD, CT 06002

120' - MONOPOLE

ISSUED FOR:								
REV	DATE	DRWN	DESCRIPTION	DES./QA				
0	04/06/22	RLB	FCDs	JTM				



UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

PM&A PROJECT NUMBER: 22CCTCTM-0003

SHEET NUMBER

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

- 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.

 "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 CHINB, INCLUDING EXISTING CONDITIONS MUST BE TLAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
- 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
- TO COCAL JURISDICTIONAL REQUIREMENTS.

 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 A 10.48 (LATEST EDITION), AND CROWN CASTLE LISA 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).
- 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 ERSION OF ANSI/TA-1019-A-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENN, UPPORTING STRUCTURES AND ANTENNAS."
- IE THE SPECIFIED FOLIDMENT 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
- 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.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE
- THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION
- ALL EXISTING ACTIVE SEWER WATER GAS FLECTRIC AND OTHER LITHLITIES WHERE ENCOUNTERED IN THE WORK SHALL BE ALL EASING A CHIVE SEVEN, WATER, MAS, LELFING AND OTHER DIBLIES WHERE ENCOUNTIERED 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 DI TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
- ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
- 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 REMOVE
- 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
- 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
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION
- 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.
- 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
- THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CLIRRS, LANDSCAPING AND STRUCTURES, ANY
- DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.

 CONTRACTOR'S HALL 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
- CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION, TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY
- 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:

- FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY: CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
- CARRIER: T-MOBILE TOWER OWNER CROWN CASTLE USA INC
- TOWER OWNER: CROWN CASTLE USA INC.

 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 BLEMENT IS
 (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
- THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE INSECTION OF THE PROPERTY OF CONSTRUCTION. THE CONSTRUCTION MEANS, METHODS OF METHODS OF CONSTRUCTION, THE CONTRACTOR SHALL BE SOLIELY 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 INCLIDE, BUT NOT BE LUMIFED 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.
- NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO 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. SUBSTANTIAL FOR FOR YEAR OF RECORD. SUBSTANTIAL FOR THE DEAL SHEEM AND FOR 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 CUITING 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. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILLARIZE 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.

 ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND
- ORDINANCES. CONTRACTOR SHALL SSUE 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.

 UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE
- SPECIFICALLY STATED OTHERWISE.

 IF THE SPECIFIED EQUIPMENT CAIN 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.

 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.
 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.

 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.

 CONTRACTOR SHALL LEGALLY REMOVED FROM SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

 CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION, TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

- 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.
- UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f/c) OF 3000 pg; AT 28 DAYS, LINIESS NOTED OTHERWISE, NO MORE THAN
- ALL CUNCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (IC) OF SOUD BY AT 20 DATS, UNLESS NOTED CHERWISE, NO MORE THAN 90 MINIMIES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD, TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°H AT TIME OF PLACEMENT.

 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 MAXIMU
- WATER-TO-CEMENT RATIO (W/C) OF 0.45.
 ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL SPLICES HALL BE CLASS "B" TENSION SPICES, UNIESS NOTED OTHERWISE, ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NO DTHERWISE, YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:
- #5 BARS AND LARGER..... HE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS: CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH..

1-1/2"

3/4"

CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 BARS AND LARGER..... #5 BARS AND SMALLER.. CONCRETE NOT EXPOSED TO EARTH OR WEATHER: SLAB AND WALLS....

BEAMS AND COLUMNS

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.

GREENFIELD GROUNDING NOTES:

- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GESS) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC
- THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODES SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL REGISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF JOINING OF LEGS.
- METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRINUOUS WITH USED BONDING GROUNDED CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS.
- EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
- EACH CABINE! HAAME SHALL BE DIRECTIC CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED CONNECTIONS TO THE GROUND BUS ARE STRANDED.

 CONNECTIONS TO THE GROUND BUS ARE PERMITTED.

 ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.

 ALL EXTERIOR GROUND CONDUCTOR STALL DIE CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.

 USE OF 970 BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.

 EXCITERNIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.

- EXCIPIERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADLE.

 ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.

 COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXCIPIERMIC WELD CONNECTIONS.

 ICE BRIDGE BONDING CONDUCTORS SHALL BE EXCIPIERMICALLY BONDED OR BOILTED TO THE BRIDGE AND THE TOWER GROUND BAR.

 APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.

 ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORPOSION RESISTANT MARTERIAL.

 MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- MISCELANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRANCE SUPPORTS AND SUPPORT
- MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
 BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING
- SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER, ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).

ELECTRICAL INSTALLATION NOTES:

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. NEC AND ALL APPLICABLE FEDERAL, STATE, AND
- CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARF FLIMINATED
- WIRING PACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC
- CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.

 ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL
- ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO
- WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERYIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110,24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION. EACH END OF EVERY POWER PHASE CONDUCTOR, GOODNOICTOR, GOODNOICTOR, GOODNOICTOR 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.
 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)

- PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.

 ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.

 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, XHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN hwn-2, xhhw, xhhw-2, thw, thw-2, rhw, or rhw-2 insulation unless otherwise specified.
- POWER AND CONTROL WRING IN PEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED. POWER AND CONTROL WRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TO CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.

 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).
 RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL. ANSI/IEEE AND NEC.
- ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR
- ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS
- SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT
- ACCEPTABLE.

 CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
- WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).
- SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE F OR FQUAL).
- 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, 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
- FILISH 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 DUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE. 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. METAL RECEPTACIE. SWITCH AND DEVICE BOXES SHALL BE GALVANIZED. FROXY-COATED OR NON-CORRODING: SHALL MET OR EXCEPT UI. 514A AN
- NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS
- NOMERICAL RECEPTACE, 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 (MP OR BETTER) FOR EXTERIOR LOCATIONS.
 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.
- 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
- AT LEGABLE CONDUITS AND STANDARDS TO A LEGARD TO EACH THE AND THE ATT.

 INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "T-MOBILE".

 ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

CONDUCTOR COLOR CODE					
SYSTEM	CONDUCTOR	COLOR			
	A PHASE	BLACK			
120/240V, 1Ø	B PHASE	RED			
120/2407, 190	NEUTRAL	WHITE			
	GROUND	GREEN			
	A PHASE	BLACK			
	B PHASE	RED			
120/208V, 3Ø	C PHASE	BLUE			
	NEUTRAL	WHITE			
	GROUND	GREEN			
	A PHASE	BROWN			
	B PHASE	ORANGE OR PURPLE			
277/480V, 3Ø	C PHASE	YELLOW			
	NEUTRAL	GREY			
	GROUND	GREEN			
DC VOLTAGE	POS (+)	RED**			
DC VOLIAGE	NEG (-)	BLACK**			
SEE NEC 210.5(C)(1) AND (2)					

ABBREVIATIONS:

** POI ARITY MARKED AT TERMINATION

EXISTING FACILITY INTERFACE FRAME GEN GENERATOR GPS GSM LTE MGB GLOBAL POSITIONING SYSTEM GLOBAL SYSTEM FOR MOBILE MICROWAVE NATIONAL ELECTRIC CODE PROPOSED POWER PLANT QUANTITY RECTIFIER RECT RBS RADIO BASE STATION REMOTE ELECTRIC TILT REMOTE ELECTRIC TILT
RADIO FREQUENCY DATA SHEET
REMOTE RADIO HEAD
REMOTE RADIO UNIT SIAD TMA TYP SMART INTEGRATED DEVICE TOWER MOUNTED AMPLIFIER

UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM

APWA UNIFORM COLOR CODE:

WHITE PROPOSED EXCAVATION TEMPORARY SURVEY MARKINGS ELECTRIC POWER LINES, CABLES, CONDUIT, AND LIGHTING CABLES

GAS, OIL, STEAM, PETROLEUM, OR GASEOUS MATERIALS CABLES, OR CONDUIT AND TRAFFIC LOOPS

POTABLE WATER RECLAIMED WATER, IRRIGATION, AND LURRY LINES

SEWERS AND DRAIN LINES

35 GRIFFIN ROAD BLOOMFIELD, CT 06002



CLIFTON PARK, NY 12065



3545 WHITEHALL PARK DRIVE SUITE 450 CHARLOTTE NORTH CAROLINA 28273

T-MOBILE SITE NUMBER: CT11278A CROWN CASTLE BU #: 876329 SITE ADDRESS:

> 28 BREWER DR. BLOOMFIELD, CT 06002

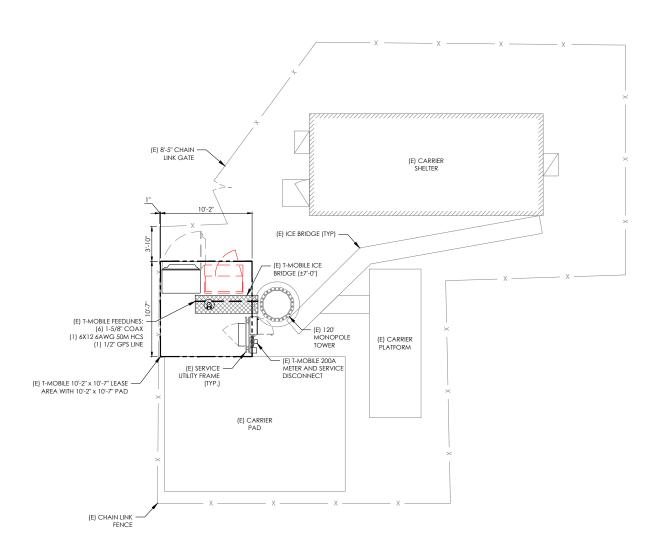
120' - MONOPOLE

ĺ	ISSUED FOR:							
REV	DATE	DRWN	DESCRIPTION	DES./Q				
0	04/06/22	RLB	FCDs	JTM				



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

> PM&A PROJECT NUMBER 22CCTCTM-0003







GENERAL NOTES

- ALL MATERIAL AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY. FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND OF QUALITY OF MATERIAL AND EQUIPMENT BEING SUBSTITUTED.
- ACCESS TO PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS WITH THE LEASING AGENT FOR APPROVAL.
- . CONTRACTOR SHALL HAVE PRESENT ON SITE CURRENT CARRIER SUPPLIED INFORMATION PRIOR TO COMMENCE OF WORK; IE. RFDS, DESIGN DOCUMENTS SPECIFIC TO SITE AND CONFIGURATION. NOTIFY CONSTRUCTION MANAGER OF ANY DISCREPANCY PRIOR TO ARRIVAL AT SITE.
- 4. ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTION SHALL BE FOLLOWED EXACTLY AND SHALL SUPERSEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
- 5. ALL DAMAGE TO EXISTING UNDERGROUND,
 OVERHEAD OBSTACLES AND/OR EXISTING
 EQUIPMENT, PAD OR SHELTERS SHALL BE
 REPLACED BACK TO FULL ORIGINAL OR BETTER
 CONDITION & SHALL MATCH EXISTING
 CONDITIONS BY REPAIRS AT GENERAL
 CONTRACTOR EXPENSE.
- 6. THE EXISTING TREES AND VEGETATION ARE SUFFICIENT TO PROVIDE THE REQUIRED SCREENING PER LOCAL ORDINANCE. IF THE VEGETATION IS REMOVED OR DAMAGED, NEW LANDSCAPING/ SCREENING WILL BE INSTALLED TO MEET LOCAL ORDINANCE REQUIREMENTS. REPLACE DEAD OR DYING SHRUBS AS NEEDED. REPLACEMENT SHOULD BE DONE IN THE FALL WHEN WEATHER IS COOLER.



35 GRIFFIN ROAD BLOOMFIELD, CT 06002







NORTH CAROLINA 28273

T-MOBILE SITE NUMBER: CT11278A CROWN CASTLE BU #: 876329 SITE ADDRESS:

> 28 BREWER DR. BLOOMFIELD, CT 06002

120' - MONOPOLE

ISSUED FOR:								
DATE	DRWN	DESCRIPTION	DES./Q/					
04/06/22	RLB	FCDs	MTL					
		DATE DRWN	DATE DRWN DESCRIPTION					

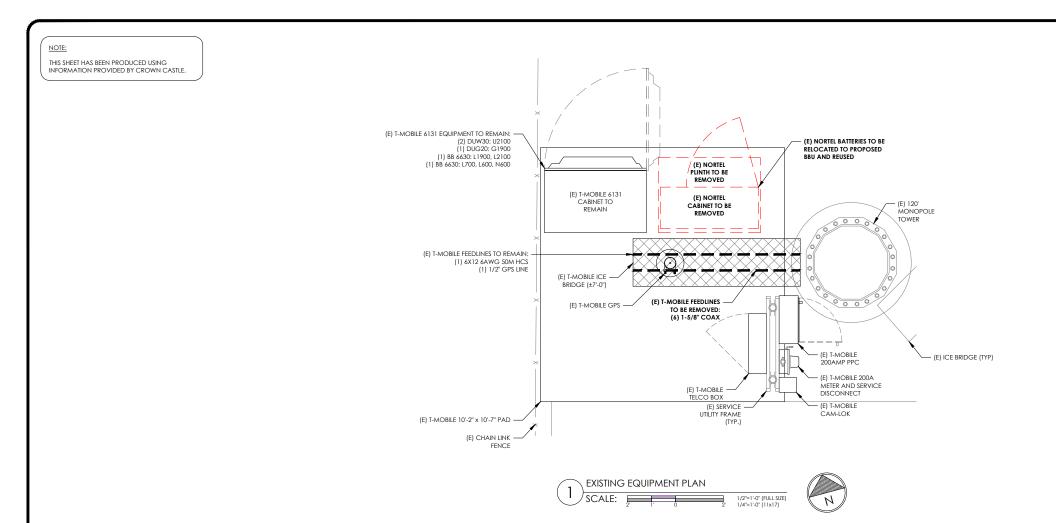


IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

PM&A PROJECT NUMBER: 22CCTCTM-0003

SHEET NUMBER:

0



35 GRIFFIN ROAD BLOOMFIELD, CT 06002



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



3545 WHITEHALL PARK DRIVE SUITE 450 CHARLOTTE, NORTH CAROLINA 28273

T-MOBILE SITE NUMBER: CT11278A CROWN CASTLE BU #: 876329 SITE ADDRESS:

> 28 BREWER DR. BLOOMFIELD, CT 06002

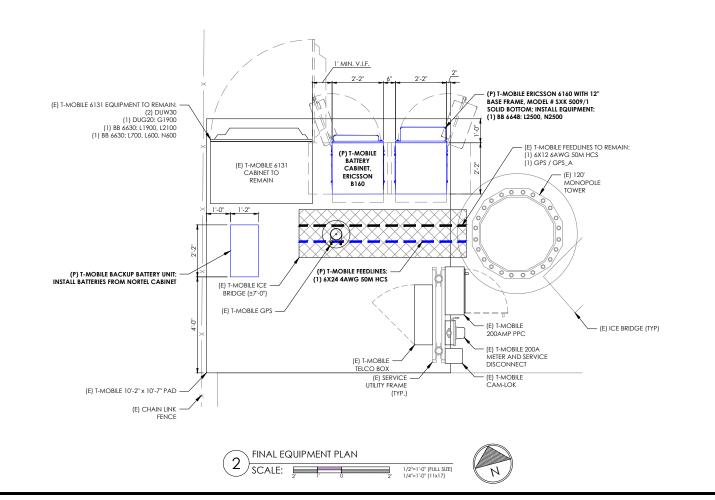
120' - MONOPOLE

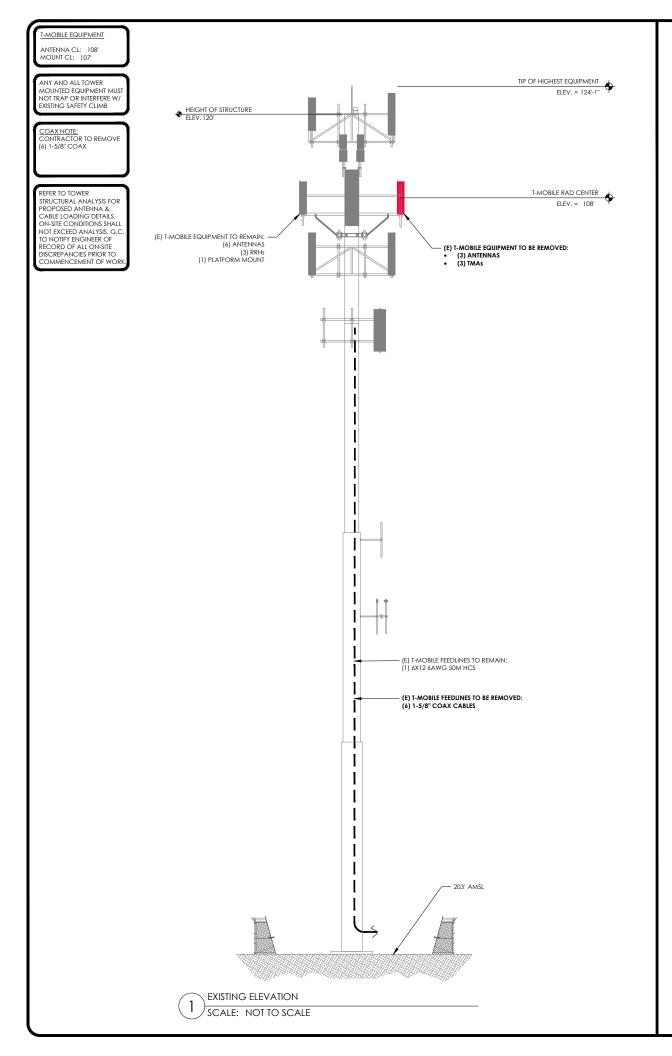
ĺ	ISSUED FOR:							
REV	DATE	DRWN	DESCRIPTION	DES./QA				
0	04/06/22	RLB	FCDs	JTM				

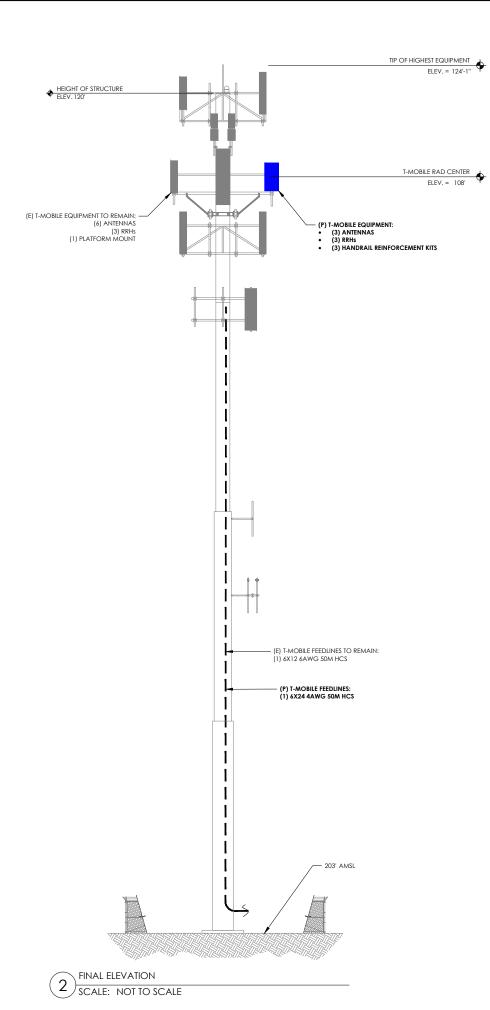


IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

PM&A PROJECT NUMBER: 22CCTCTM-0003







GENERAL NOTES

- ALL MATERIAL AND EQUIPMENT FURNISHED SHALL BE NEW AN OF GOOD QUALITY. FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY CONTORMANCE WITH THE CONTRACT DOCUMENTS. ANT SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR IO INSTALLATION. CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND OF QUALITY OF MATERIAL AND EQUIPMENT BEING SUBSTITU
- ACCESS TO PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTIO ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS WITH THE LEASING AGENT FOR APPROVAL.
- CONTRACTOR SHALL HAVE PRESENT ON SITE CURRENT CONTINUATION STATE HAVE TRESENT ON SITE CONSENT CARRIER SUPPLIED INFORMATION PRIOR TO COMMENCE OF WORK; IE, RFDS, DESIGN DOCUMENTS SPECIFIC TO SITE AND CONFIGURATION, NOTIFY CONSTRUCTION MANAGER OF AN DISCREPANCY PRIOR TO ARRIVAL AT SITE.
- ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTION SHALL BE FOLLOWED EXACTLY AND SHALL SUPERSEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
- ALL DAMAGE TO EXISTING UNDERGROUND, OVERHEAD OBSTACLES AND/OR EXISTING EQUIPMENT, PAD OR SHELTERS SHALL BE REPLACED BACK TO FULL ORIGINAL OR BETTER CONDITION & SHALL MATCH EXISTING CONDITIONS BY REPAIRS AT GENERAL CONTRACTOR EXPENSE.
- THE EXISTING TREES AND VEGETATION ARE SUFFICIENT TO PROVIDE THE REQUIRED SCREENING PER LOCAL ORDINANCE IF THE VEGETATION IS REMOVED OR DAMAGED, NEW LANDSCAPING/ SCREENING WILL BE INSTALLED TO MEET LOCAL ORDINANCE REQUIREMENTS, REPLACE DEAD OR DYING SHRUBS AS NEEDED, REPLACEMENT SHOULD BE DONE IN THE FALL WHEN WEATHER IS COOLER.

MOUNT ANALYSIS NOTES:

ELEV. = 124'-1"

ELEV. = 108'

- THE DESIGN DEPICTED IN THESE DRAWINGS IS VALID WHEN ACCOMPANIED BY A CORRESPONDING PASSING MOUNT
- ACCOMPANIED BY A CORRESPONDING PASSING MOUNT ANALYSIS. CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHALL REVIEW THE MOUNT ANALYSIS FOR ANY CONDITIONS PRIOR TO INSTALLATION.
- ANY REQUIRED MOUNT MODIFICATION DESIGN OR MOUNT REPLACEMENT SHALL BE APPROVED BY EOR.

"LOOK UP" - CROWN CASTLE USA INC., SAFETY CLIMB REQUIREMENT:

THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF 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 STRUTURE. THIS SHALL INCLUDE. BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE PROPERED ALL ST. GUIRDOOTS. DIRECT. 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 CONDITION 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.



35 GRIFFIN ROAD BLOOMFIELD, CT 06002





3 CORPORATE PARK DRIVE, SUITE 101



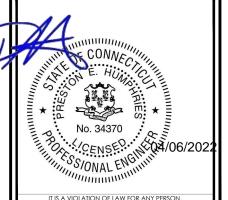
3545 WHITEHALL PARK DRIVE SUITE 450 CHARLOTTE, NORTH CAROLINA 28273

T-MOBILE SITE NUMBER: CT11278A CROWN CASTLE BU #: 876329 SITE ADDRESS:

> 28 BREWER DR. BLOOMFIELD, CT 06002

120' - MONOPOLE

	ISSUED FOR:								
REV	DATE	DRWN	DESCRIPTION	DES./QA					
0	04/06/22	RLB	FCDs	JTM					



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

PM&A PROJECT NUMBER: 22CCTCTM-0003

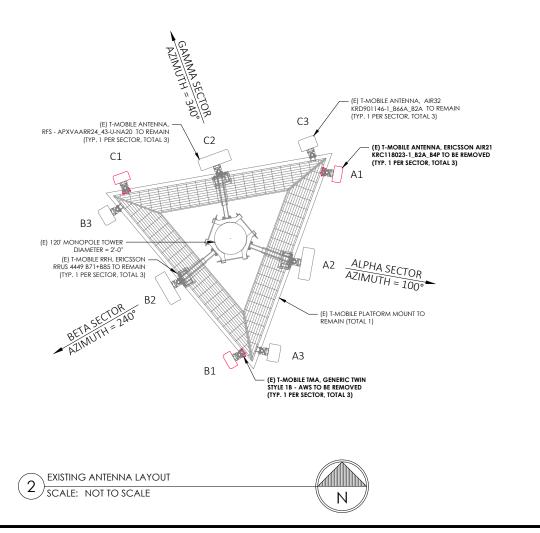
REVISION:

MOUNT CL: 107

ANY AND ALL TOWER MOUNTED EQUIPMENT MUST NOT TRAP OR INTERFERE W/

					ANTENNA SCH	IEDUL	.E		
SECTOR	POS.	RAD CENTER	AZIMUTH	ANTENNA MANUFACTURER	ANTENNA MODEL	MECH. TILT	ELECT. TILT	TOWER MOUNTED EQUIPMENT	FEEDLINE TYPE
ALPHA	A1	108'	100°	ERICSSON	AIR6419 B41 (ACTIVE ANTENNA - MASSIVE MIMO) (P)	0°	-	-	-
ALPHA	A2	108'	100°	RFS	APXVAARR24_43-U-NA20 (OCTO) (E)	0°	-	(1) 4460 B25+B66 (P) (1) 4449 B71 +B85 (E)	(1) 6x12 6AWG (50M) (E)
ALPHA	А3	108'	100°	ERICSSON	AIR32 KRD901146-1_B66A_B2A (E)	0°	-	-	-
BETA	В1	108'	240°	ERICSSON	AIR6419 B41 (ACTIVE ANTENNA - MASSIVE MIMO) (P)	0°	=	-	-
BETA	B2	108'	240°	RFS	APXVAARR24_43-U-NA20 (OCTO) (E)	0°	-	(1) 4460 B25+B66 (P) (1) 4449 B71 +B85 (E)	(1) 6x24 4AWG (50M) (P)
BETA	В3	108'	240°	ERICSSON	AIR32 KRD901146-1_B66A_B2A (E)	0°	-	-	-
GAMMA	C1	108'	340°	ERICSSON	AIR6419 B41 (ACTIVE ANTENNA - MASSIVE MIMO) (P)	0°	-	-	-
GAMMA	C2	108'	340°	RFS	APXVAARR24_43-U-NA20 (OCTO) (E)	0°	-	(1) 4460 B25+B66 (P) (1) 4449 B71 +B85 (E)	-
GAMMA	C3	108'	340°	ERICSSON	AIR32 KRD901146-1_B66A_B2A (E)	0°	-	-	-

ANTENNA AND CABLE SCHEDULE SCALE: NOT TO SCALE



GENERAL NOTES

- THE HYBRID CABLE LENGTH SHOWN IS ONLY AN ESTIMATE AND SHOULD NOT BE USED FOR ORDERING MATERIALS, CONFIRM THE REQUIRED HYBRID CABLE LENGTH WITH T-MOBILE PRIOR TO ORDERING OR INSTALLATION.
- . THE CONTRACTOR SHALL TEST THE OPTICAL FIBER AFTER INSTALLATION IN ACCORDANCE WITH T-MOBILE STANDARDS AND SUPPLY THE RESULTS TO T-MOBILE.
- THE CONTRACTOR SHALL CONFIRM THE TOWER TOP EQUIPMENT LIS ABOVE WITH THE FINAL T-MOBILE RFDS PRIOR TO INSTALLATION.
- . ALL PROPOSED ANTENNA CABLES SHALL BE COLOR CODED PER T-MOBILE MARKET STANDARDS.
- 5. REFER TO ERICSSON EQUIPMENT INSTALLATION STANDARDS FOR ADDITIONAL INFORMATION.
- . REFER TO EQUIPMENT MANUFACTURER'S SPECIFICATION SHEETS FOR ADDITIONAL INFORMATION NOT LISTED ABOVE.
- CONTRACTOR TO FIELD COORDINATE EXACT LOCATION OF PROPOSED EQUIPMENT WITH EXISTING CONDITIONS ON SITE.
- PROPOSED EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE FASTENERS SHALL BE HIGH STRENGTH (A325, A36)
- DRILLING OF EXISTING STEEL MEMBERS IS NOT PERMITTED
- 0.BOND PROPOSED EQUIPMENT TO EXISTING SECTOR GROUND BAR PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ADDITIONAL SECTOR GROUND BARS AS REQUIRED.
- NI CHI LATZALI BE INSTALLED IN CHIA CARLES CARANTANA LIA I ACCORDANCE WITH THE ENGINEER'S RECOMMENDATIONS IN A MANNER CONSISTENT WITH THE STRUCTURAL ANALYSIS REPORT.
- 2.CONTRACTOR TO CONTACT T-MOBILE FOR UP-TO-DATE RF DESIGN DATA, NOTIFY ENGINEER IF CONFLICT EXISTS.
- 3 THE DESIGN DEPICTED IN THESE DRAWINGS IS VALID WHEN . THE DESIGN DEFICIED IN THESE DRAWINGS IS VALID WHEN
 ACCOMPANIED BY A CORRESPONDING PASSING MOUNT ANALYSI
 CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHALL REVIE
 THE MOUNT ANALYSIS FOR ANY CONDITIONS PRIOR TO
- 4. GENERAL CONTRACTOR TO NOTIFY T-MOBILE C.M. OF ALL ON-SITE DISCREPANCIES AS SHOWN HERE AS EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
- 5. GENERAL CONTRACTOR TO ADJUST EXISTING MOUNT TO ACCOMMODATE PROPOSED AZIMUTHS AS NECESSARY.

(F) T-MOBILE ANTENNA. AIR32

(TYP. 1 PER SECTOR, TOTAL 3)

- (E) T-MOBILE RRH, ERICSSON RRUS 4449 B71+B85 TO REMAIN (TYP. 1 PER SECTOR, TOTAL 3)

ALPHA SECTOR

(E) T-MOBILE PLATFORM MOUNT TO REMAIN (TOTAL 1)

AZIMUTH = 100°

C3

KRD901146-1 B66A B2A TO REMAIN

(P) T-MOBILE ANTENNA, ERICSSON AIR6419 B41

(TYP. 1 PER SECTOR, TOTAL 3)

S. ANY REQUIRED MOUNT MODIFICATION DESIGN OR MOUNT REPLACEMENT SHALL BE APPROVED BY EOR.

35 GRIFFIN ROAD BLOOMFIELD, CT 06002



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



3545 WHITEHALL PARK DRIVE SUITE 450 CHARLOTTE, NORTH CAROLINA 28273

T-MOBILE SITE NUMBER: CT11278A CROWN CASTLE BU #: 876329 SITE ADDRESS:

> 28 BREWER DR. BLOOMFIELD, CT 06002

120' - MONOPOLE

ISSUED FOR:							
REV	DATE	DRWN	DESCRIPTION	DES./QA			
0	04/06/22	RLB	FCDs	MTL			



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.

> PM&A PROJECT NUMBER: 22CCTCTM-0003

SHEET NUMBER:

REVISION:



(E) T-MOBILE ANTENNA, -RFS - APXVAARR24_43-U-NA20 TO REMAIN (TYP. 1 PER SECTOR, TOTAL 3)

В3

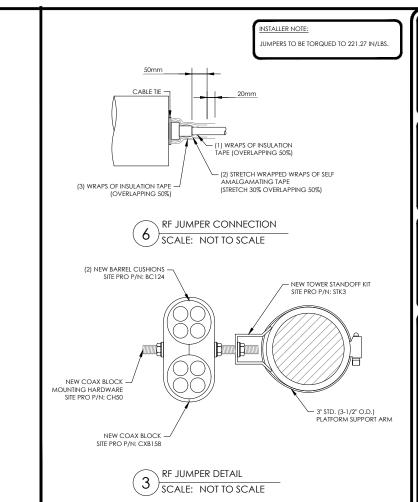
(E) 120' MONOPOLE TOWER -

ERICSSON RRUS 4460 B25+B66 (TYP. 1 PER SECTOR, TOTAL 3)

C1

(P) T-MOBILE RRH.

(P) T-MOBILE REINFORCEMENT KIT, SITE PRO 1 PRK-SFS. KIT COLLAR MUST BE INSTALLED 12.5" BELOW THE HANDRAIL (TYP. 1 PER SECTOR, TOTAL 3)

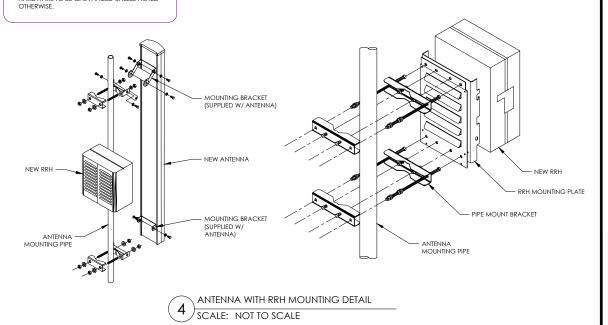


INSTALLER NOTES:

COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRHS RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURERS PACKAGING.
 DO NOT OPEN RRH PACKAGIS IN THE RAIN.
 ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.

NOT USED

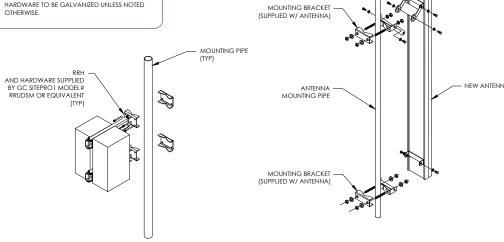
SCALE: NOT TO SCALE



INSTALLER NOTES:

NOT USED 2) SCALE: NOT TO SCALE

- COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRHS RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING.
 DO NOT OPEN RRH PACKAGES IN THE RAIN.
 ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED
- OTHERWISE



ANTENNA WITH RRHS MOUNTING DETAIL

SCALE: NOT TO SCALE



35 GRIFFIN ROAD BLOOMFIELD, CT 06002





CLIFTON PARK, NY 12065

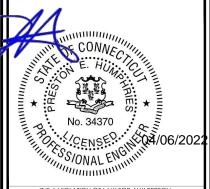
3545 WHITEHALL PARK DRIVE SUITE 450 CHARLOTTE, NORTH CAROLINA 28273

T-MOBILE SITE NUMBER: CT11278A CROWN CASTLE BU #: 876329 SITE ADDRESS:

> 28 BREWER DR. BLOOMFIELD, CT 06002

120' - MONOPOLE

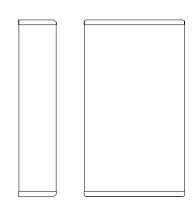
П		ISSUED FOR:								
ı	REV	DATE	DRWN	DESCRIPTION	DES./Q/					
П	0	04/06/22	RLB	FCDs	MTL					
ı										
ı										
ı										
ı										
ı										
ı										
١,										



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.

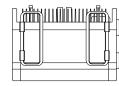
PM&A PROJECT NUMBER: 22CCTCTM-0003

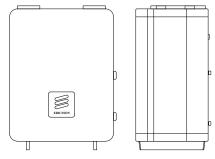
ERICSSON - AIR64	19 B41
WEIGHT (W/O MOUNTING HARDWARE)	96.5 LBS
SIZE (H x W x D)	36.25 x 20.91 x 9.02 IN.
MOUNTING HARDWARE P/N	TBD
RATED WIND VELOCITY	TBD

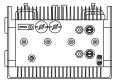


ERICSSON - AIR6419 B41
SCALE: NOT TO SCALE









ERICSSON RADIO 4460 B25+B66
SCALE: NOT TO SCALE



35 GRIFFIN ROAD BLOOMFIELD, CT 06002





CLIFTON PARK, NY 12065

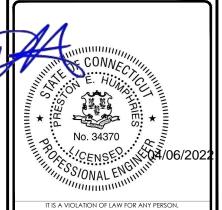
P. MARSHALL & ASSOCIATES 3545 WHITEHALL PARK DRIVE SUITE 450 CHARLOTTE, NORTH CAROLINA 28273

T-MOBILE SITE NUMBER: CT11278A CROWN CASTLE BU #: 876329 SITE ADDRESS:

> 28 BREWER DR. BLOOMFIELD, CT 06002

120' - MONOPOLE

\bigcap	ISSUED FOR:												
REV	DATE	DRWN	DESCRIPTION	DES./QA									
0	04/06/22	RLB	FCDs	MTL									



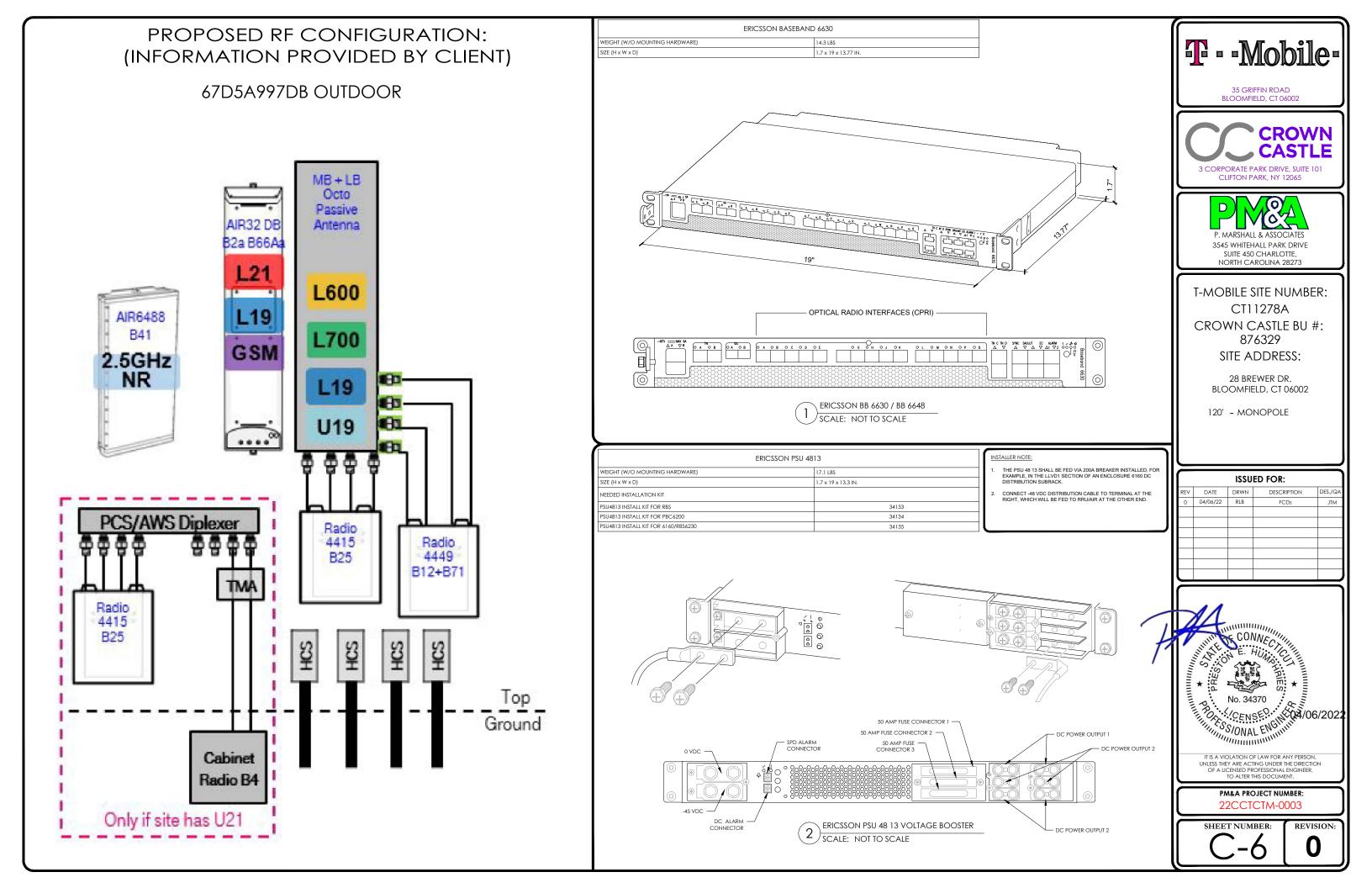
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

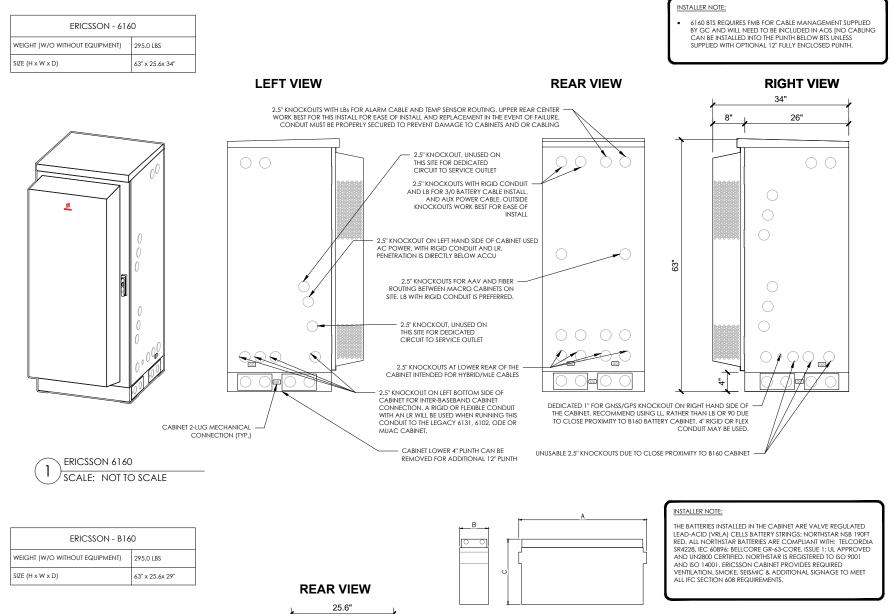
PM&A PROJECT NUMBER:

22CCTCTM-0003

-5

REVISIO





TYP

00

2.5" KNOCKOUTS WITH RIGID

CARINET 2-LUG MECHANICAL

CABINET LOWER 4" PLINTH CAN BE REMOVED FOR ADDITIONAL 12"

PRICSSON B160
SCALE: NOT TO SCALE

CONDUIT AND LB FOR 3/0 BATTERY CABLE INSTALL, AND AUX POWER CABLE. OUTSIDE KNOCKOUTS WORK BEST FOR EASE OF INSTALL

SPECIFICATIONS												
MODEL NUMBER		CAPAC	NOMINAL DIMENSIONS							NOMINAL		
	VOLTAGE	8 HR TO 1.75 VPC	10 HR TO 1.8 VPC		INCHES		MILLIMETERS			WEIGHT		
		@ 25°	@ 25°	Α	В	С	Α	В	С	LBS	Kg	
NSB 190FT RED BATTERY	12	183 / 186 AH	187 / 190 AH	22.0	4.9	12.6	560	125	320	124.3	56.3	

ELECTRICAL DATA									
MODEL NUMBER	SHORT CIRCUIT CURRENT	INTERNAL RESISTANCE (mOhms)							
NSB 190FT RED BATTERY	5000 A	2.8							

CHAPTER 12, SECTION 1206								
ELECTRICAL ENERGY STORAGE SYSTEM								
1206.2 SCOPE:								
STATIONARY STORAGE BATTERY SYSTEMS HAVING CAPACITIES EXCEEDING THE VALUES SHOWN IN TABLE 1206.2 SHALL COMPLY W/ SECTION 1206.2.1 THROUGH 1206.2.12.6, AS APPLICABLE.								
BATTERY STORAGE SYSTEM THRESHOLD QTY'S								
CATTERY TECHNOLOGY CAPACITY ALLOWED								
LEAD ACID, ALL TYPES	70 kWh (252 MEGAJOULES)							

	BATTERY STORAGE SYSTEM THRESHOLD QTY'S											
CATTE	RY TECHNO	DLOGY	CAPACITY ALLOWED									
LEAD	ACID, ALL	TYPES	70 kWh (252 MEGAJOULES)									
AH = VOLTAGE (AH)/1000												
VOLTS	AH		kWh	NO. OF BATTERIES	TOTAL kWh							
12	190	1000	2.28	12	27.36							
CONCLUS	SIONS:											
27.36	<	70 kWh	SECTION	1206.2 DOE	S NOT APPLY							
TOTAL BA	TOTAL BATTERY WEIGHT (12 BATTERIES): 1,491.6 LBS											
TOTAL GA	allons - E	LECTROLYT	E & ACID (12 BATTERII	ES): 33.36							

FLOAT VOLTAGE
CONSTANT VOLTAGE CHA

CONSTANT VOLTAGE CHARGING IS RECOMMENDED

RECOMMENDED FLOAT VOLTAGE: 2.27 +/- 0.02 VPC

NSB 190FT RED E	ATTERY LEAD &	ACID WEIGHTS (12-	VOLT MODULE):
	WEIGHT	/KG	10.5
ELECTROLYTE	WEIGHT	/LBS	23.2
LLLCIKOLTIL	VOLUME	/LITERS	7.8
	VOLUME	/GALLONS	2.08
	WEIGHT	/KG	4.8
ACID	WEIGHT	/LBS	10.5
	VOLUME	/LITERS	2.6
	VOLUME	/GALLONS	0.7
LEAD	WEIGHT	/KG	17.9
LEAD	WEIGHI	/LBS	39.4
LEAD OXIDE	VOLUME	/KG	23.3
LLAD OXIDE	V OLUME	/LBS	51.2
TOTAL WEIGHT	WEIGHT	/KG	56.3
I IOIAL WEIGHT	WEIGHI	/LBS	124.3

INSTALLER NOTE:

B160

26"

B160

BOTTOM VIEW

6160/ B160

FRONT

22.5"

25.5"

6160

6160

2.5"

- CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING
 KNOCKOUTS BO NOT BRILL KNOCKOUTS TURGUISH
- CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND/OR CABLING

4" REAR

CLEARANCE

11"



35 GRIFFIN ROAD BLOOMFIELD, CT 06002



CLIFTON PARK, NY 12065



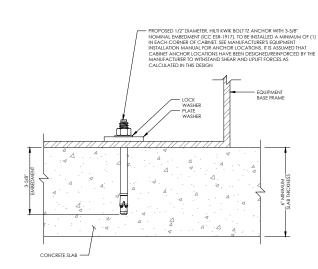
7. MARSHALL & ASSOCIATES 3545 WHITEHALL PARK DRIVE SUITE 450 CHARLOTTE, NORTH CAROLINA 28273

T-MOBILE SITE NUMBER: CT11278A CROWN CASTLE BU #: 876329 SITE ADDRESS:

> 28 BREWER DR. BLOOMFIELD, CT 06002

120' - MONOPOLE

_												
	ISSUED FOR:											
REV	DATE	DRWN	DESCRIPTION	DES./QA								
0	04/06/22	RLB	FCDs	MTL								
				,								



CABINET ATTACHMENT SCALE: NOT TO SCALE

PLAN CABINET DETAILS
SCALE: NOT TO SCALE

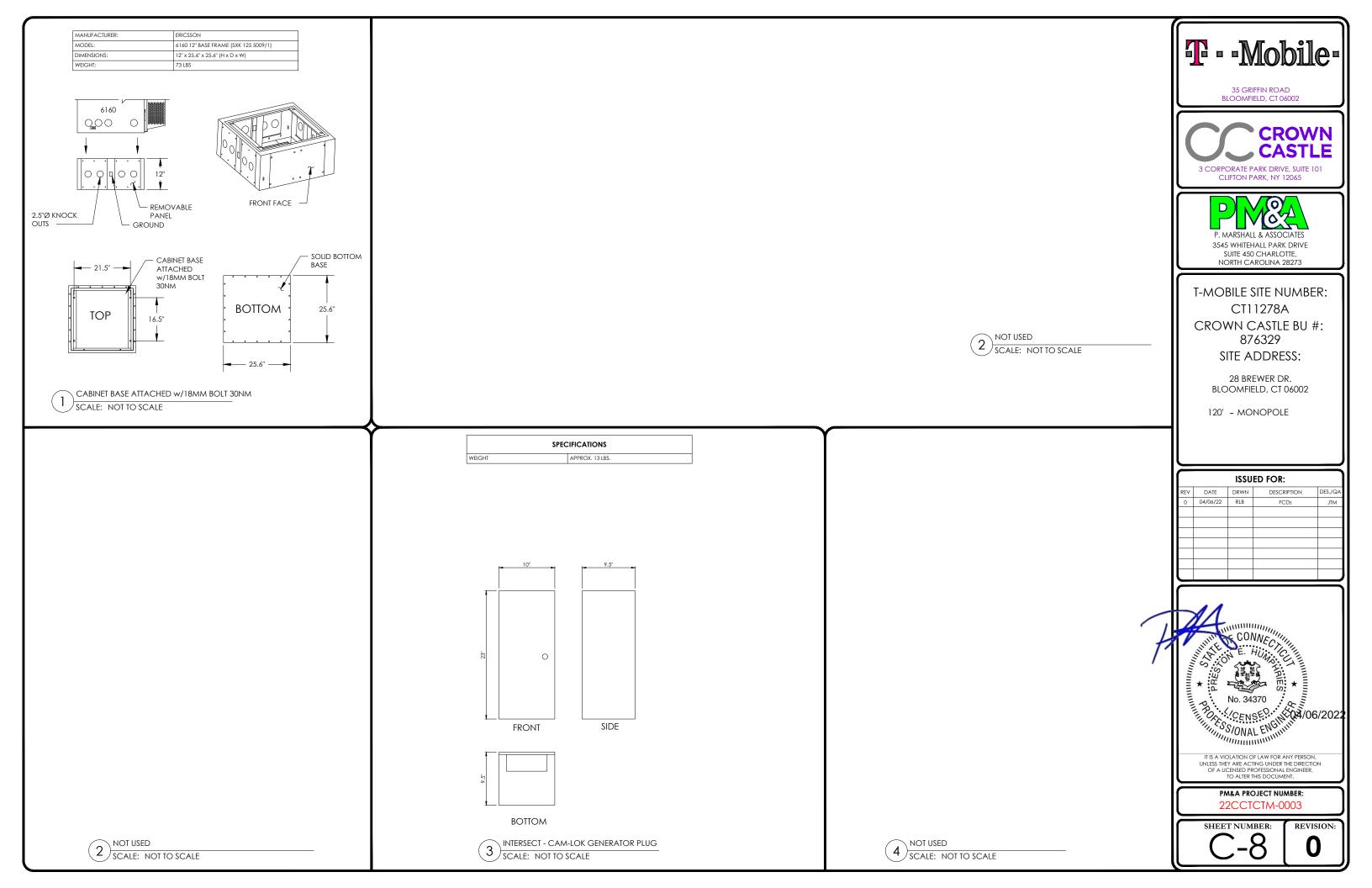


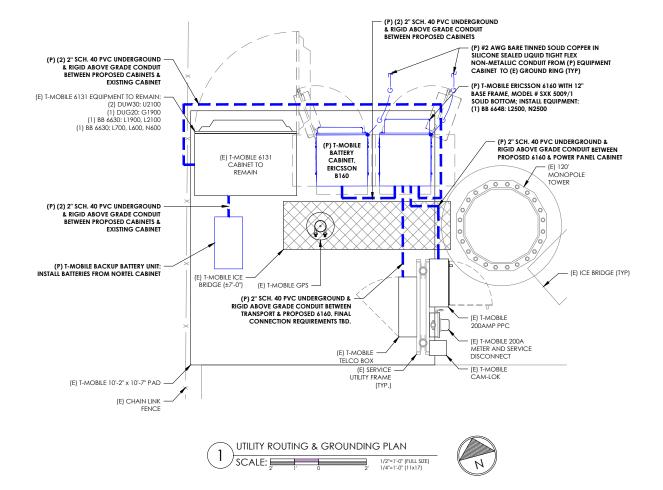
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

PM&A PROJECT NUMBER: 22CCTCTM-0003

SHEET NUMBER:

REVISION





GROUNDING PLAN LEGEND

#6 STRANDED COPPER WITH GREEN INSULATION GROUND WIRE

INSULATION GROUND WIRE

#2 STRANDED COPPER WITH GREEN
INSULATION GROUND WIRE

#2 BARE, SOLID, TINNED COPPER
GROUND WIRE

■ EXOTHERMIC WELD

MECHANICAL CONNECTION

COPPER GROUND ROD

GROUND ROD W/ TEST WELL

NOTE

SEE FINAL EQUIPMENT PLAN FOR PROPOSED EQUIPMENT REQUIRING GROUNDING. CONTRACTOR TO VERIFY EXISTING EQUIPMENT GROUNDING IN FIELD. CONTRACTOR TO VERIFY IN FIELD AND INSTALL ANY MISSING T-MOBILE GROUND BARS ON SITE.



35 GRIFFIN ROAD BLOOMFIELD, CT 06002



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



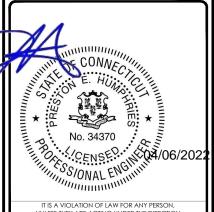
7. MARSHALL & ASSOCIATES
3545 WHITEHALL PARK DRIVE
SUITE 450 CHARLOTTE,
NORTH CAROLINA 28273

T-MOBILE SITE NUMBER: CT11278A CROWN CASTLE BU #: 876329 SITE ADDRESS:

> 28 BREWER DR. BLOOMFIELD, CT 06002

120' - MONOPOLE

ISSUED FOR:													
DATE	DRWN	DESCRIPTION	DES./Q/										
04/06/22	RLB	FCDs	MTL										
		DATE DRWN	DATE DRWN DESCRIPTION										



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.

PM&A PROJECT NUMBER: 22CCTCTM-0003

SHEET NUMBER:

REVISION:

<u>NO1</u>

ALL NEW GROUNDS TO BE #6 STRANDED COPPER WITH GREEN INSULATION UNLESS NOTED OTHERWISE.

	T-MOBILE SITE #:		LOCATION:			VOLTAGE:	240/12	0 1Ø			MOUNTING / ENCLOSURE:		EXISTING / NEMA 3R	
CT11278A (EXISTING)			H-FRAME			MAIN C/B:	200	AMPS			AVAIL. FAULT CURRENT:	EXISTING		
	3/21/2022		H-FKAME			BUS RATING:	200	AMPS			SHORT CIRCUIT RATING:	EXISTING		
AMPS/ POLES	WIRE & CONDUIT	TYPE	DESCRIPTION	KVA	СКТ	А		В	CKT	KVA	DESCRIPTION	TYPE	WIRE & CONDUIT	AMPS/ POLES
			BLANK		1				2	0.00	SURGE	R	EXISTING	100/2
			BLANK		3				4	0.00	-	L	-	-
125/2	EXISTING	EQ	6131	5.06	5	5.06			6	0.00	GFCI	R	EXISTING	20/1
-	-	EQ	-	5.06	7			5.06	8		BLANK			
15/1	EXISTING	L	LIGHT	0.50	9	0.50			10		BLANK			
			BLANK		11				12		BLANK			
			BLANK		13				14		BLANK			
			BLANK		15				16	0.00	UNLABELED	EQ	EXISTING	100/2
			BLANK		17				18	0.00	-	EQ	-	-
			BLANK		19				20		BLANK			
			BLANK		21				22		BLANK			
			BLANK		23				24		BLANK			
				PHASE	TOTAL	5.6		5.1	KVA					
											TOTAL CONI	NECTED LOAD	10.6 kVA	44 A

LOAD	DESCRIPTION	CONI	N. LOAD	DEMAND	DESIGN LOAD		
TYPE	DESCRIPTION	KVA	KVA AMPS		KVA	AMPS	
L	LIGHTING	0.5	2.1	1.25	0.6	2.6	
R	RECEPTACLE	0.0	0.0	NEC	0.0	0.0	
М	MOTOR	0.0	0.0	NEC	0.0	0.0	
Н	HEATING	0.0	0.0	1.00	0.0	0.0	
AC	HVAC	0.0	0.0	1.00	0.0	0.0	
EQ	EQUIPMENT	10.1	42.2	1.00	10.1	42.2	
E	EXISTING	0.0	0.0	1.25	0.0	0.0	

* ALL EQUIPMENT LOADS CONSIDERED CONTINUOUS LOADS

EXISITNG PANEL SCHEDULE SCALE: NOT TO SCALE

		T-MOBILE SITE #:		LOCATION:			VOLTAGE:	240/12	0 1Ø			MOUNTING / ENCLOSURE:		EXISTING / NEMA 3R	
	CT	11278A (PROPOSED)		II EDANAE			MAIN C/B:	200	AMPS			AVAIL. FAULT CURRENT: EXISTING			
	3/21/2022			H-FRAME			BUS RATING:	200	AMPS			SHORT CIRCUIT RATING:	EXISTING		
	AMPS/ POLES	WIRE & CONDUIT	TYPE	DESCRIPTION	KVA	CKT	А		В	CKT	KVA	DESCRIPTION	TYPE	WIRE & CONDUIT	AMPS/ POLES
	15/1	EXISTING	L	LIGHT	0.50	1	0.50			2	0.00	SURGE	R	EXISTING	100/2
				BLANK		3				4	0.00	-	L	-	-
	150/2	3#1/0, 1#6G, 2"C	EQ	(P) 6131 UPGRADE	3.77	5	3.77			6	0.00	GFCI	R	EXISTING	20/1
1	-	-	EQ	-	3.77	7			6.38	8	2.61	(P) 6160	EQ	2#3, 1#8G, 1"C	100/2
1	-	-	EQ	-	0.00	9	2.61			10	2.61	-	EQ	-	-
1	-	-	EQ	-	0.00	11			0.18	12	0.18	(P) 6160 GFCI	R	2#12, 1#12G, 1/2"C	20/1
Ī				BLANK		13				14		BLANK			
				BLANK		15				16		BLANK			
				BLANK		17				18		BLANK			
				BLANK		19				20		BLANK			
				BLANK		21				22		BLANK			
				BLANK		23				24		BLANK			
					PHASE	TOTAL	6.9		6.6	KVA					
												TOTAL CONN	IECTED LOAD	13.4 kVA	56 A

LOAD	DESCRIPTION	CONI	N. LOAD	DEMAND	DESIG	DESIGN LOAD	
TYPE	DESCRIPTION	KVA	AMPS	FACTOR	KVA	AMPS	
L	LIGHTING	0.5	2.1	1.25	0.6	2.6	
R	RECEPTACLE	0.2	0.8	NEC	0.2	0.8	
М	MOTOR	0.0	0.0	NEC	0.0	0.0	
Н	HEATING	0.0	0.0	1.00	0.0	0.0	
AC	HVAC	0.0	0.0	1.00	0.0	0.0	
EQ	EQUIPMENT	12.8	53.2	1.00	12.8	53.2	
E	EXISTING	0.0	0.0	1.25	0.0	0.0	

DEPICTED LOAD BASED ON ASSUMPTIONS OF EQUIPMENT INSTALLED AND WAS NOT V.I.F. NOTIFY E.O.R. OF ANY DISCREPANCIES PRIOR TO INSTALLATION OF PROPOSED EQUIPMENT.

TOTAL DEMAND LOAD 10.7

DEPICTED LOAD BASED ON ASSUMPTIONS OF EQUIPMENT INSTALLED AND WAS NOT V.I.F. NOTIFY E.O.R. OF ANY DISCREPANCIES PRIOR TO

INSTALLATION OF PROPOSED EQUIPMENT

kVA

45 A

PROPOSED PANEL SCHEDULE SCALE: NOT TO SCALE

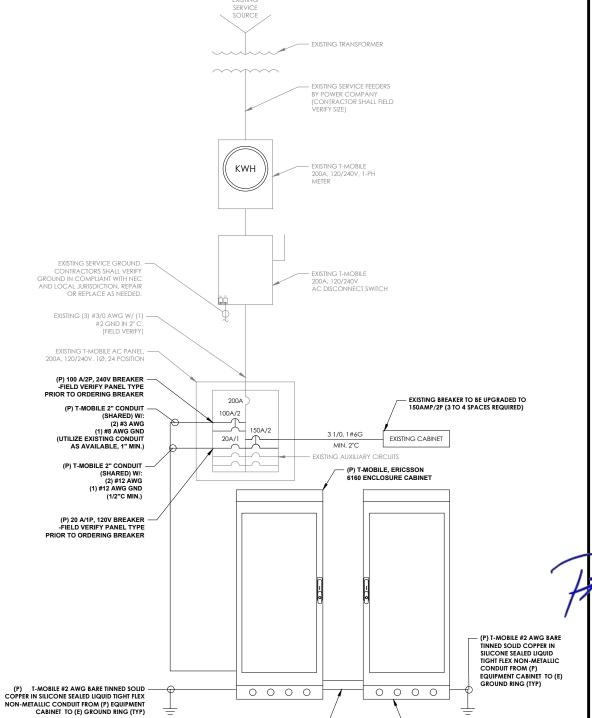
- THE MAXIMUM 12-MONTH DEMAND LOAD WAS NOT AVAILABLE AT TIME OF PRINTING, CONTRACTOR SHALL COORDINATE WITH POWER CO., OBTAIN MAXIMUM DEMAND LOAD, MULTIPLY VALUE BY 1,25, ADD ALL NEW LOADS & VERIFY NEW MAXIMUM DEMAND LOAD DOES NOT OVERLOAD ANY PORTION OF THE EXISTING ELECTRICAL SYSTEM, CONTACT EOR IF OVERLOAD IS POSSIBLE BEFORE START OF WORK.

 CONTRACTOR IS RESPONSIBLE FOR LOADING ON ALL PANELS AND FEEDERS PER THE N.E.C. CONTRACTOR SHALL ENSURE CONTINUITY OF EXISTING CIRCUITS TO REMAIN, ELECTRICAL
- CONTRACTOR SHALL VERIFY THAT ALL EXISTING AND PROPOSED LOADS PLACED ON EXISTING PANELS DO NOT EXCEED THE MAXIMUM LOADING REQUIRED PER THE LATEST EDITION OF THE
- CONTRACTOR SHALL VERIFY THAT ALL EXISTING AND PROPOSED LOADS PLACED ON EXISTING PANELS DO NOT EXCEED THE MAXIMUM LOADING REQUIRED PER THE LATEST EDITION OF THE N.E.C. NOTIFY FOR IF O VEREILOAD IS POSSIBLE.

 CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY AND CALCULATE SHORT CIRCUIT FAULT CURRENT AND ARC FLASH AND PROVIDE LABELS ON ELECTRICAL EQUIPMENT PER THE N.E.C. AND LOCAL JURISDICTION. CONTRACTOR SHALL PROVIDE EQUIPMENT RATED FOR FAULT CURRENT.

 6160 ENCLOSURE STANDARD CONFIGURATION INCLUDES (4) 3500W RECTIFIERS, MAX OF 7. LOAD PROVIDED IN PANEL SCHEDULE IS BASED ON THIS CONFIGURATION. IF ADDITIONAL RECTIFIERS ARE REQUIRED, ENCINEER OF RECORD SHALL BE CONTACTED TO DETERMINE ADEQUACY OF EXISTING PANEL FOR ADDITIONAL LOAD CONTRACTOR TO FIELD VERIFY ALL EQUIPMENT RATINGS AND WIRE SIZES. IF ANY DISCREPANCIES EXIST, CONTACT ENGINEER PRIOR TO ROUGH IN.

 CONTRACTOR SHALL FIELD VERIFY EXISTING AC PANEL MODEL AND ENSURE 150A, 2P, 4-POSITION BREAKER IS COMPATIBLE, CONTACT EOR IF DISCREPANCIES ARE FOUND.



(P) (2) 2" CONDUIT (RIGID, ABOVE GROUND)

ONE-LINE DIAGRAM

SCALE: NOT TO SCALE

(P) T-MOBILE ERICSSON



35 GRIFFIN ROAD BLOOMFIELD, CT 06002



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



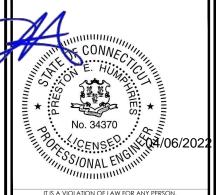
3545 WHITEHALL PARK DRIVE SUITE 450 CHARLOTTE, NORTH CAROLINA 28273

T-MOBILE SITE NUMBER: CT11278A CROWN CASTLE BU #: 876329 SITE ADDRESS:

> 28 BREWER DR. BLOOMFIELD, CT 06002

120' - MONOPOLE

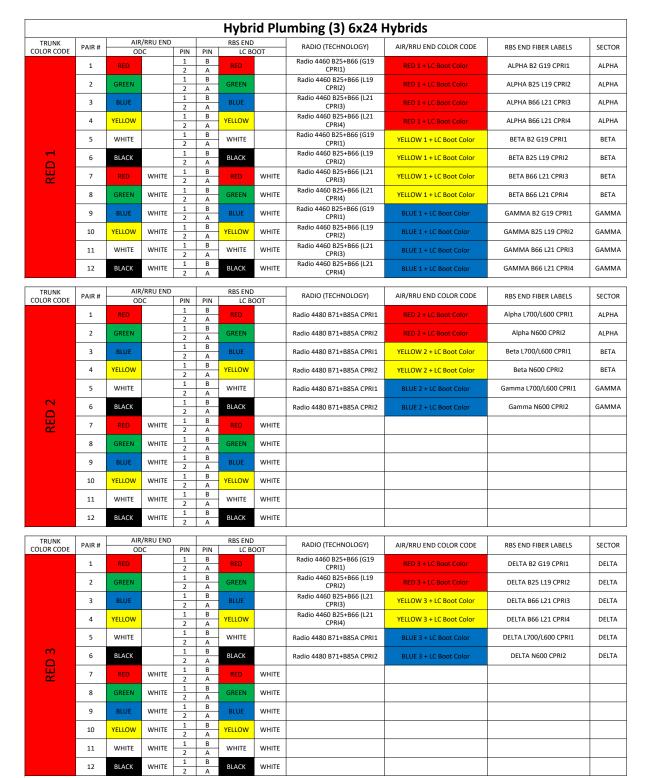
ISSUED FOR:								
REV	DATE	DRWN	DESCRIPTION	DES./Q/				
0	04/06/22	RLB	FCDs	JTM				
				_				



UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

PM&A PROJECT NUMBER: 22CCTCTM-0003

REVISION:



DC Power									
PAIR#	REF HOOKUP	PIN LETTER	AIR/R	RU END	RADIO (TECHNOLOGY)	SECTOR	SPD LABELS		
1	-48	Α	BLACK	RED	Radio 4460 B66aA	ALBUA	Alpha 4460 P1		
1	OV	В	RED	KED	Radio 4460 B66aA	ALPHA	Alpila 4400 P1		
2	-48	Α	BLACK	GREEN	Radio 4460 B25	AI PHA	Alpha 4460 P2		
2	OV	В	RED		Kaul0 4400 B25	ALPHA	Aipila 440012		
3	-48	A	BLACK	BLUE	Radio 4460 B66aA	BETA	Beta 4460 P1		
3	OV	В	RED	BLUE		DETA	Dela 4400 P1		
4	-48	Α	BLACK	YELLOW	D-4:- 44C0 D2E	BETA	Beta 4460 P2		
4	OV	В	RED	TELLOW	Radio 4460 B25	DETA	Deta 4400 P2		
5	-48	Α	BLACK	WHITE	Radio 4460 B66aA	GAMMA	Gamma 4460 P1		
5	OV	В	RED	WHILE	Kadio 4460 BbbaA	GAIVIIVIA	Gamma 4460 P1		
6	-48	Α	BLACK	BLACK	Radio 4460 B25	GAMMA	Gamma 4460 P2		
U	OV	В	RED	BLACK	Naulu 4460 B25	GAIVIIVIA	Gamma 4460 P2		

PAIR#	REF HOOKUP	PIN LETTER	AIR/R	RU END	RADIO	SECTOR	SPD LABELS
	-48	Α	BLACK	RED	Radio 4480	AI PHA	Alpha 4480
1	OV	В	RED	KED	Radio 4480	ALPHA	Alpiia 4400
2	-48	A	BLACK	GREEN			
2	OV	В	RED				
3	-48	A	BLACK	DILLE	LUE Radio 4480	BETA	Beta 4480
3	OV	В	RED	BLUE			
4	-48	Α	BLACK	YELLOW			
4	OV	В	RED	TELLOW			
5	-48	Α	BLACK	WHITE	Radio 4480	GAMMA	Gamma 4480
3	OV	В	RED	WHILE	Radio 4480	GAIVIIVIA	Gaillilla 4460
6	-48	Α	BLACK	BLACK			
_ 。	OV	В	RED	BLACK			

PAIR#	REF HOOKUP	PIN LETTER	AIR/R	RU END	RADIO	SECTOR	SPD LABELS
1	-48	А	BLACK	RED	Radio 4460	ALPHA	Delta 4460 P1
1	OV	В	RED	KED	Radio 4460	ALPHA	Delta 4460 P1
2	-48	A	BLACK	GREEN	Radio 4460	BETA	Delta 4460 P2
2	OV	В	RED		Radio 4460	BETA	
3	-48	A	BLACK	BLUE	Radio 4460	GAMMA	Delta 4480
3	OV	В	RED			GAIVIIVIA	
4	-48	A	BLACK	YELLOW			
4	OV	В	RED	YELLOW			
5	-48	Α	BLACK	WHITE			
3	OV	В	RED	WHILE			
6	-48	А	BLACK	BLACK			
0	OV	В	RED				

Alpha RF Jumper Color Code								
	Radio	4460			Radio	4480		
port 1	port 2	port 3	port 4	port 1	port 2	port 3	port 4	
RED 1	RED 2	RED 3	RED 4	RED 5	RED 6	RED 7	RED 8	

Beta RF Jumper Color Code									
	Radio	4460			Radio	4480			
ort 1	port 2	port 3	port 4	port 1	port 2	port 3	port 4		
YELLOW 1	YELLOW 2	YELLOW 3	YELLOW 4	YELLOW 5	YELLOW 6	YELLOW 7	YELLOW 8		

_			-						
Gar	Gamma RF Jumper Color Code								
	Radio	4460			Radio	4480			
port 1	port 2	port 3	port 4	port 1	port 2	port 3	port 4		
BLUE 1	BLUE 2	BLUE 3	BLUE 4	BLUE 5	BLUE 6	BLUE 7	BLUE 8		

Delta RF Jumper Color Code								
	Radio	4460			Radio	4480		
port 1	port 2	port 3	port 4	port 1	port 2	port 3	port 4	
GREEN 1	GREEN 2	GREEN 3	GREEN 4	GREEN 5	GREEN 6	GREEN 7	GREEN 8	



35 GRIFFIN ROAD BLOOMFIELD, CT 06002





CLIFTON PARK, NY 12065

P. MARSHALL & ASSOCIATES
3545 WHITEHALL PARK DRIVE
SUITE 450 CHARLOTTE,
NORTH CAROLINA 28273

T-MOBILE SITE NUMBER: CT11278A CROWN CASTLE BU #: 876329 SITE ADDRESS:

> 28 BREWER DR. BLOOMFIELD, CT 06002

120' - MONOPOLE

ISSUED FOR:								
REV	DATE	DRWN	DESCRIPTION	DES./QA				
0	04/06/22	RLB	FCDs	MTL				
				ر ا				



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.

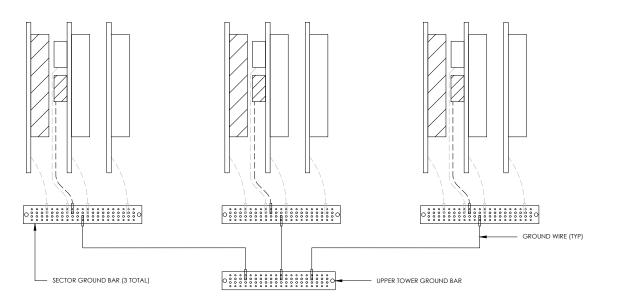
PM&A PROJECT NUMBER: 22CCTCTM-0003

F_3

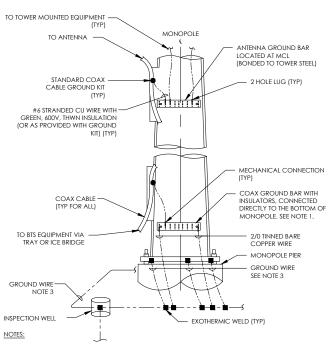
0

NOTE: ALPHA BETA GAMMA

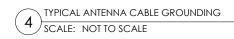
ALL NEW GROUNDS TO BE #6 STRANDED COPPER WITH GREEN INSULATION UNLESS NOTED OTHERWISE.

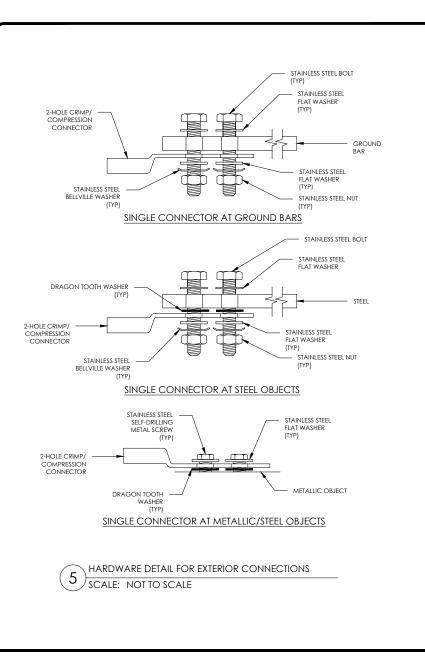


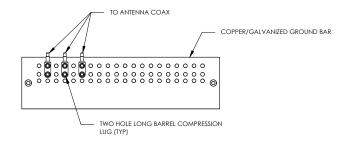
ANTENNA GROUNDING DIAGRAM
SCALE: NOT TO SCALE



- 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.
- ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE RECOGNIZED EDITION OF ANSI/TIA 222 AND NFPA 780.



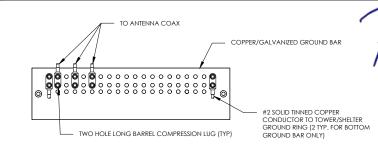




NOTES:

- 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.

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.

TOWER/SHELTER GROUND BAR DETAIL SCALE: NOT TO SCALE



35 GRIFFIN ROAD BLOOMFIELD, CT 06002



CLIFTON PARK, NY 12065



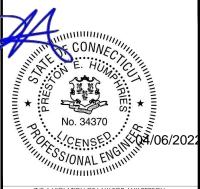
P. MARSHALL & ASSOCIATES
3545 WHITEHALL PARK DRIVE
SUITE 450 CHARLOTTE,
NORTH CAROLINA 28273

T-MOBILE SITE NUMBER: CT11278A CROWN CASTLE BU #: 876329 SITE ADDRESS:

> 28 BREWER DR. BLOOMFIELD, CT 06002

120' - MONOPOLE

ISSUED FOR:								
REV	DATE	DRWN	DESCRIPTION	DES./QA				
0	04/06/22	RLB	FCDs	JTM				

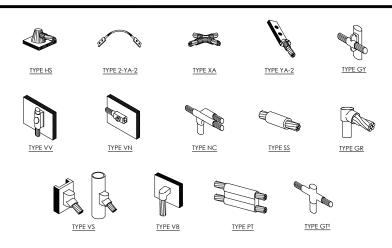


IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

PM&A PROJECT NUMBER: 22CCTCTM-0003

SHEET NUMBER:

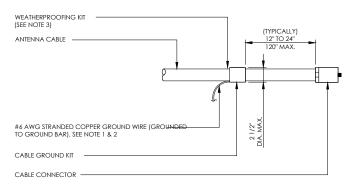
REVISION:



NOTE:

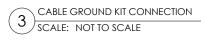
- ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES, CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
 MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

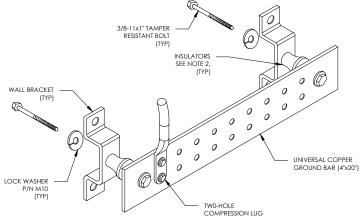
CADWELD GROUNDING CONNECTIONS SCALE: NOT TO SCALE



NOTES:

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

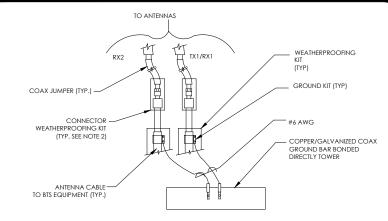




1. DOWN LEAD (HOME RUN) CONDUCTORS ARE <u>NOT</u> TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR

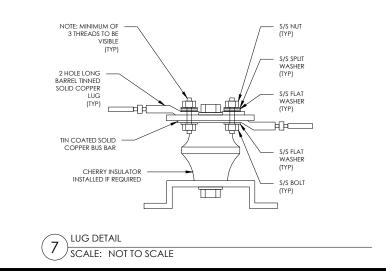
2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

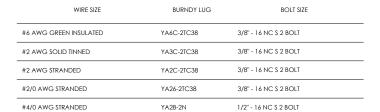
GROUND BAR DETAIL 6) SCALE: NOT TO SCALE

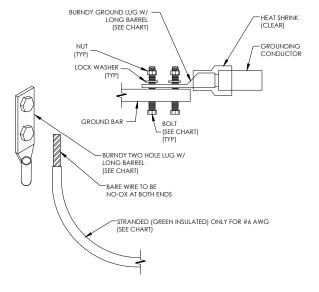


NOTES:

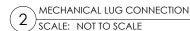
- 1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO
- 2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.
- GROUND CABLE CONNECTION 4) SCALE: NOT TO SCALE

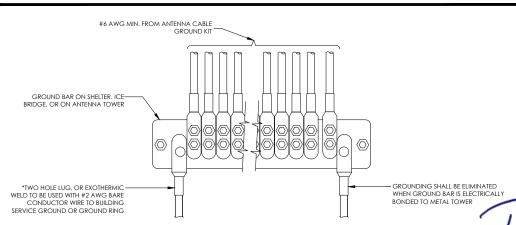




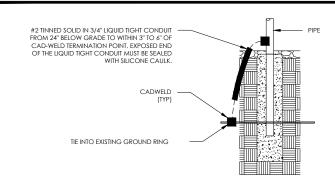


ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL
HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS
FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.





GROUNDWIRE INSTALLATION (5) SCALE: NOT TO SCALE



TRANSITIONING GROUND DETAIL 8 SCALE: NOT TO SCALE



35 GRIFFIN ROAD BLOOMFIELD, CT 06002





CLIFTON PARK, NY 12065

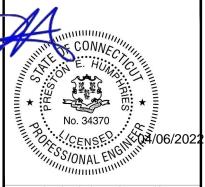
3545 WHITEHALL PARK DRIVE SUITE 450 CHARLOTTE, NORTH CAROLINA 28273

T-MOBILE SITE NUMBER: CT11278A CROWN CASTLE BU #: 876329 SITE ADDRESS:

> 28 BREWER DR. BLOOMFIELD, CT 06002

120' - MONOPOLE

-								
ISSUED FOR:								
REV	DATE	DRWN	DESCRIPTION	DES./Q/				
0	04/06/22	RLB	FCDs	JTM				
			REV DATE DRWN	REV DATE DRWN DESCRIPTION				



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.

PM&A PROJECT NUMBER: 22CCTCTM-0003