

July 5, 2022

Attorney Melanie Bachman Acting Executive Director Connecticut Siting Council Ten Franklin Square New Britain, CT 06501

**EM-T-MOBILE-076-210409** T-Mobile Site ID CTNH494A 1749 Durham Road, Madison CT Notice of Compliance with Conditions and Construction Completion

Dear Attorney Bachman:

The T-Mobile site referenced above was approved by The Connecticut Siting Council (Council) on May 3, 2021 as an Exempt Modification. T-Mobile is now requesting the close out of the approval and hereby acknowledges the following conditions were met:

- 1. Prior to T-Mobile's antenna installation, the antenna mount modifications shall be installed in accordance with the Mount Analysis prepared by GDP Engineering, dated February 3, 2021 and stamped and signed by Christopher J. Scheks;
- 2. Within 45 days following completion of equipment installation, T-Mobile shall provide documentation certified by a Professional Engineer that its installation complied with the recommendations of the Mount Analysis;
- 3. Any deviation from the proposed modification as specified in this notice and supporting materials with the Council shall render this acknowledgement invalid;
- 4. Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- 5. The Council shall be notified in writing at least two weeks prior to the commencement of site construction activities;



6. Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;

7. Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by T-Mobile shall be removed within 60 days of the date the antenna ceased to function;

8. The validity of this action shall expire one year from the date of this letter; and

9. The applicant may file a request for an extension of time beyond the one-year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

The attached PE Closeout Letter dated June 7, 2022 provides evidence of compliance with the conditions outlined by the Council. In addition, T-Mobile hereby notifies the Council that construction of the acknowledged modifications was completed as of November 19, 2021.

Sincerely,

Victoria Masse

Victoria Masse Zoning and Permitting Northeast Site Solutions

June 7, 2022

Victoria Masse Northeast Site Solutions 420 Main Street Unit 1 Box 2 Sturbridge, MA 01566 (231) 409-5439

**Tower Engineering Professionals** 326 Trvon Road Raleigh, NC 27603 (919) 661-6351

Subject: **Post Construction Inspection Report** 

T-Mobile Designation:	Site Number: Site Name:	CTNH494A CTNH494A
NE Site Solutions Designation:	Site Name:	CTNH494A
Engineering Firm Designation:	TEP Project Number:	217566.700737
Site Data:	1749 Durham Road, Madison, New Haven County, CT 06443 Latitude <i>41° 23' 22.33''</i> , Longitude <i>-72° 38' 55.97''</i> 119 Foot – Monopole Tower	

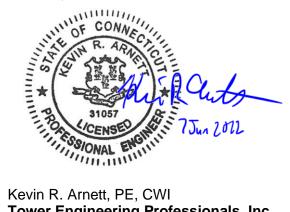
Dear Victoria Masse,

Tower Engineering Professionals, Inc. (TEP) is pleased to submit this "Post Construction Inspection Report" (PCI Report) to Northeast Site Solutions for the equipment upgrades to the subject structure. The purpose of this PCI report is to confirm that T-Mobile's proposed upgrades were installed in conformance with the approved construction drawings by Tower Engineering Professionals, dated March 17, 2021 (Appendix A) and the workmanship conforms with industry standards.

All observations were performed after the construction was complete. TEP was not present during the construction phase. The onsite PCI was performed on May 17, 2022 by Ryan Trackenberg, El and Marco Chamba of TEP.

We at TEP appreciate the opportunity to provide our professional services to you and Northeast Site Solutions If you have any questions or need further assistance on this or any other projects, please give us a call.

Sincerely,



Kevin R. Arnett, PE, CWI **Tower Engineering Professionals, Inc.** 

## **EXECUTIVE SUMMARY**

	PROPOS	SED LOADING SUMMA	RY	
Alpha Sec	ctor			
Antenna Position	Antenna (Qty.) Make/Model	RRU (Qty.) Make/Model	Surge Protector (Qty.) Make/Model	Coax
A1	(1) RFS APX16DWV-16DWV-S-E- A20	(1) Ericsson RRU 4415 B66A		
A2	(1) RFS APXVAALL24_43-U-NA20	(1) Ericsson RRU 4449 B71+B85 (1) Ericsson RRU 4424 B25	-	(1) 6x24 Hybrid
A3	(1) Ericsson AIR6449 B41	-		
Beta Sect	or			
B1	(1) RFS APX16DWV-16DWV-S-E- A20	(1) Ericsson RRU 4460 B25+B66		
B2	(1) RFS APXVAALL24_43-U-NA20	(1) Ericsson RRU 4449 B71+B85 (1) Ericsson RRU 4424 B25	-	(1) 6x24 Hybrid
B3	(1) Ericsson AIR6449 B41	-		
Gamma S	ector			-
G1	(1) RFS APX16DWV-16DWV-S-E- A20	(1) Ericsson RRU 4460 B25+B66		
G2	(1) RFS APXVAALL24_43-U-NA20	(1) Ericsson RRU 4449 B71+B85 (1) Ericsson RRU 4424 B25	-	(1) 6x24 Hybrid
G3	(1) Ericsson AIR6449 B41	-		

	INSTALI	ED LOADING SUMMA	RY	
Alpha Sec	ctor			
Antenna Position	Antenna (Qty.) Make/Model	RRU (Qty.) Make/Model	Surge Protector (Qty.) Make/Model	Coax
A1	(1) RFS APX16DWV-16DWV-S-E- A20	(1) Ericsson RRU 4415 B66A		
A2	(1) RFS APXVAALL24_43-U-NA20	(1) Ericsson RRU 4449 B71+B85 <mark>(2) Ericsson</mark> <mark>RRU 2212 B2 B25</mark>	-	(1) 6x24 Hybrid
A3	(1) Ericsson AIR6449 B41	-		
Beta Sect	or			
B1	(1) RFS APX16DWV-16DWV-S-E- A20	(1) Ericsson RRU 4415 B66A		
B2	(1) RFS APXVAALL24_43-U-NA20	(1) Ericsson RRU 4449 B71+B85 <mark>(2) Ericsson</mark> <mark>RRU 2212 B2 B25</mark>	-	(1) 6x24 Hybrid
B3	(1) Ericsson AIR6449 B41	-		
Gamma S	ector			
G1	(1) RFS APX16DWV-16DWV-S-E- A20	(1) Ericsson RRU 4415 B66A		
G2	(1) RFS APXVAALL24_43-U-NA20	(1) Ericsson RRU 4449 B71+B85 <mark>(2) Ericsson</mark> <mark>RRU 2212 B2 B25</mark>	-	(1) 6x24 Hybrid
G3	(1) Ericsson AIR6449 B41	-		

- Loading discrepancies are highlighted

## **EXECUTIVE SUMMARY**



### **Observations and Recommendations**

As-built radio configuration does not match the layout as shown in the construction drawings. One of the radios installed behind position two (Ericsson 2212 B2 B25) does not match what is shown in the construction drawings (Ericsson 4424 B25) on all sectors.

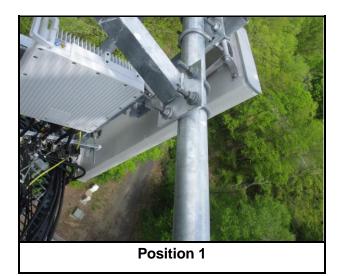
No action required. Two Ericsson 2212 B2 B25's were installed behind position two on all sectors which is equivalent to one Ericsson 4412 B25. See appendix B.

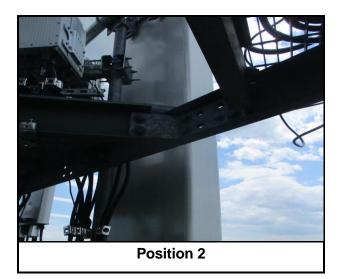
## **EXECUTIVE SUMMARY**

Photograph	Observations and Recommendations
<image/>	Item 2: Observation: Proposed upgrades were installed properly and the workmanship is in accordance with T-Mobile and industry standards. Recommendation: No action required. No action required.

June 7, 2022 CTNH494A Page 6









View Up at Sector



**Position 1 Tag** 

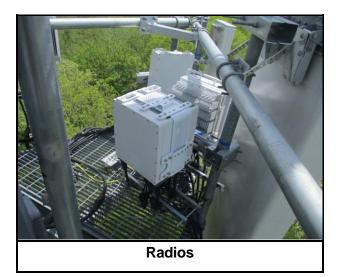


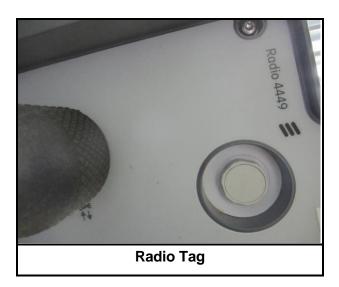
Post Construction Inspection Report TEP Project Number 217566.700737

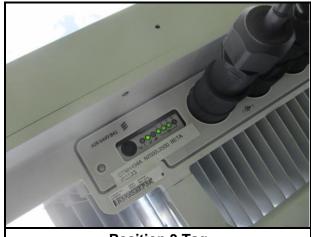
June 7, 2022 CTNH494A Page 7



**Position 3** 







**Position 3 Tag** 

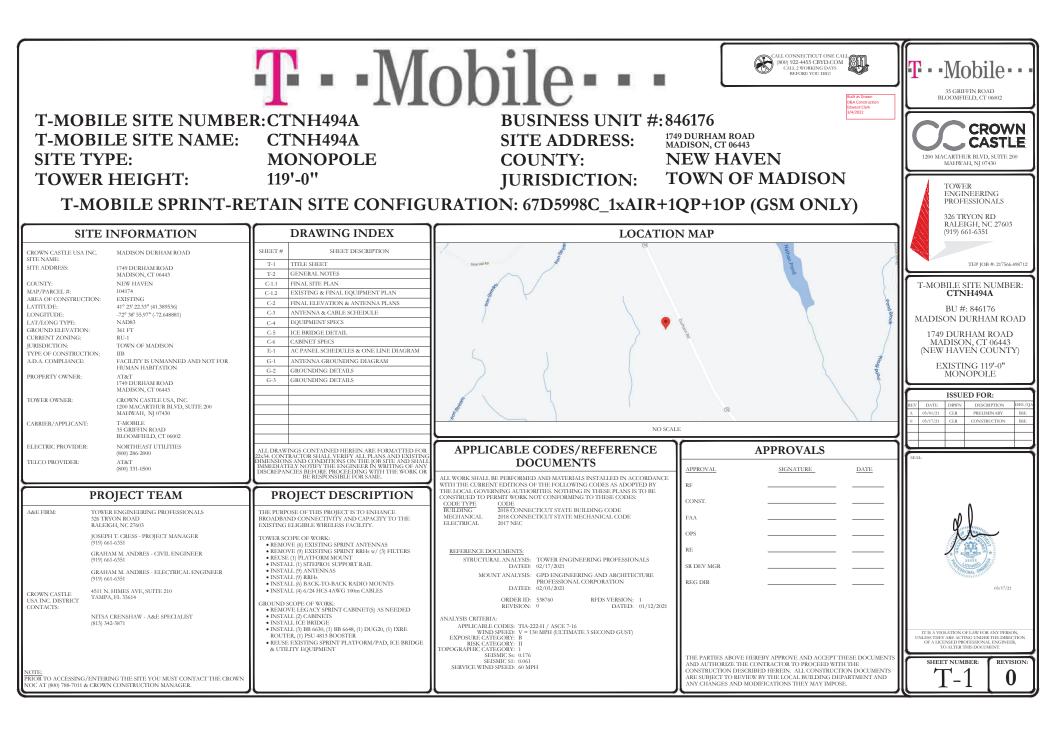


Radio Tag



**APPENDIX A** 

# **CONSTRUCTION DRAWINGS**



### CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

- NOTICE TO PROCEED NO WORK SHALL COMMENCE PRICE TO CROWN CASTLE USA INC. WHITTEN NOTICE TO PROCEED (NTD) NOT THE SIMULACE OF A DIREVISES COREST: PROCE TO ACCESSIME/INTERING THE STE YOU MIST CONTACT THE CROWN CASTLE USA INC, NOC AT 800-788-7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER. 0 "LOOK LIP" - CROWN CASTLE LISA INC. SAFETY CLIMB REQUIREMENT-
- "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 RENTPROEMENT, SMO/OR EQUIPARTI INSTALLATIONS SHALL NOT COMPONENT FILT RITEGRITY OR STRUCTURE, THIS SHALL INCLUDE, BIT NOT BE UNITED TO PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE KON ITS SUPPORTS, DIRECT CONTACT OF CLOSE FILT WIRE ROPE, BENDING OF THE WIRE ROPE KON ITS SUPPORTS, DIRECT CONTACT OF CLOSE FILT WIRE ROPE, BENDING OF THE WIRE ROPE WICH ON USAFE THE ANCHORAGE PONTS IN ANY WAY, OR TO INFEDE/BLOCK ITS INFOLDED USAF. STANL THE ANCHORAGE PONTS IN ANY WAY, OR TO INFEDE/BLOCK ITS MANTENNECE ANY COMPROVINGS SHETY CLIMB, INCLUDING EXISTING CONTIONS MUST BE TAGED DUT AND REPORTED TO YOUR COMPACT TO THE ANCHORAGE PONTS IN ANY WAY, OR TO INFEDE/BLOCK ITS MANTENNECE AND CONTRACTOR VASTLE USA INC. POC OR CALL THE NOC TO DEMENTE A SAFETY CLIMB MANTENNECE AND CONTRACTOR NOTCE THEOR.
- PRICE TO THE STAFT OF CONSTRUCTION, ALL REQUIRED JUREDICTIONAL PERMITS SHALL BE OBTINED. THIS INCLUESE, BUT IS NOT LINEE TO, BULLIONE, ELECTRICA, MICHANICA, IPRE, FLOOD ZONE, ENVIRONMENTIAL, AND ZONNO, AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED, PERMITS SHALL BE SATISFED AND CLOSED OUT ACCORNON TO LOCAL JUREDICTIONAL
- ALCONTRUCTION 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 CONTRINED HEREIN, AND SHALL MEET CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET NINSIASSE 10-64 (ALTEST EDITION); FEEPEN, STATE, AND LOCAR REGULTIONS, AND ANT APPLICABLE INDUSTRY CONSENSUS STANDARDS REJATS / TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED, ALL REGIMO FLANS SHALL ADHERE TO ANS/SES ALOJA (ALTEST EDITION), AND CRIWIN CASTEL USA INC. STANDARD CED-STD-10253, INCLUDING THE REQUIRED INCULVENTI' OF A QUALIFED ENGINEER FOR LOLASY LOCASTICUTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANS/TIN-322 (LATEST EDITION).
- ALL SITE WORK TO COMPLY WITH QAS-STD-10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE" AND LATEST VERSION OF ANSI/TIA-1019-A-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.
- ANTENNS." IF THE SPECIFIE DOUPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE PRAVINOS, THE CONTRACTOR SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE PRAVINOS, THE CONTRACTOR SPECIFIED WITH ANY SUCH CHANGE OF INSTALLATION." CALL MATERNAS, TRUNSHED AND INSTALLED SHALL BY SCHOLAR WITH ALL APPLORATE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND AUTIONITY REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND AUTIONITY REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND AUTIONITY REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND AUTIONITY REGULATIONS AND AUTIONS. AND AUTIONS AND LOCAL UNERSDICTIONAL CODES, ONE MANCES AND AUTIONES. THE DEPOSITION OF AND LOCAL UNERSDICTIONAL CODES, ONE MANCES AND AUTIONES. THE AUTION AND LOCAL UNERSDICTIONAL CODES, ONE MANCES AND AUTIONES. THE AUTION AND LOCAL UNERSDICTIONAL CODES, ONE MANCES AND AUTIONES. AND UNLITY COMPANY SPECIFICITIONS AND LOCAL UNERSDICTIONAL CODES, ONE MANCES AND AUTIONES. THE AUTION AND LOCAL UNERSDICTIONAL CODES, ONE MANCES AND AUTIONES. THE AUTION AND LOCAL UNERSDICTIONAL CODES, AUTION AUTIONS AND AUTIONES.
- ALL APPLICABLE WINKERPAL, AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REMOLITIONIS. MECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE. IN ACCORDANCE WITH MANIFACTURER'S THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PROBE TO THE START OF CONSTRUCTION, ALL EXISTING ACTIVE SERVER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE EXOCUMITERED IN THE EXISTING ACTIVE SERVER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE EXOCUMITERED IN THE CONTRACTOR WHEN EXOLATION OF DERLING AND CONTRACTOR, ETHERE EXOCUMITERED IN THE CONTRACTOR WHEN EXOLATION OF DERLING PRESS AROUND OR HEAR UTILITIES. CONTRACTOR SHALL CONSTITUTION OFFICY PROCEDURES. LL STEW WORK SHALL ESS AND CONTRACTS OFTICAE UNITION SHOULD BE VISDIO BY ALL STEW WORK SHALL ESS AND AND OF DERLING PRESS AROUND OR HEAR UTILITIES. CONTRACTOR SHALL CONSTITUTION SAFETY PROCEDURES. LL STEW WORK SHALL ESS AND AND CONTRACTS OFTICAE DUTION SHOULD BORNOUS SPECIFICATIONS, LLTEST APPROCED REVENDAM ACCUMULATION WATE MATTERIE TO A) AND L CONSTITUTION OFTICY THE CONTRACTS ON THE STEE AND DISPOSED OF LEGALLY. ALL STEW WORK OFTICE SERVER, MARTE CONSTRUCTION DAWNINGS AND PRACET SPECIFICATIONS, LLTEST APPROCED REVENDAM ACCUMULATION WATE MATTERIES AND THESE AND OTHER REFLORE SHALL BE REMOVED FROM THE STEE AND DISPOSED OF LEGALLY. ALL DISTING MICH. SERVER, MARTE CONSTRUCTION OF THE WORK, SUBJECT TO THE APPROVAL OFTIC DISPOSED AND THE STEE AND DISPOSED OF LEGALLY. ALL DISTING MICH. SERVER, MARTE CONSTRUCTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR. SERVER, MARTE CONSTRUCTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR. SERVER, MARTE CONSTRUCTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR. SERVER, MARTE CONSTRUCTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR. TOKER DIVER. SERVER, MARTE CONSTRUCTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR. SERVER, MARTE CONSTRUCTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR. TOKER DIVER. MARTE CONSTRUCTION OF THE WORK,
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- 1.3
- OF CONTRACTOR, TOWER, CONVER, CROWN CASTLE USA, INC., AND/OR, LOCAL UTLITES. THE CONTRACTOR, SHALL PROVIDE STEE SIGNAGE, RACCORRANCE WITH THE TECHNICAL SPECIFICATION FOR STEE SIGNAGE REQUIRED BY LOCAL JURBICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PRECES OF EDUIRNENT, ROOMS, AND SHELTERS.
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS. 15
- AND TOWER AREAS. THE SUB GROUPS SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SUPFACE APPLICATION. BROKEN APPLICATION. BROKEN SHALL BE GRADED TO A UNIFORM SUPER AND STABLIZED TO PROVAT EROSION AS SPECIFED ON THE CONSTRUCTION DRAWINGS MO/OR PROJECT SPECIFICATIONS. CONTRACTOR SHALL MINIMIZED EDITERANCE TO EXISTING STE DURING CONSTRUCTION. FORSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUDELINES FOR EROSION DESIMARY CONTINUE, DIR MEDICATION, SHALL BE IN CONFORMANCE MITH THE LOCAL GUDELINES FOR EROSION AND SEMILARY CONTROL CONSTRUCTION, SHALL BE IN CONFORMANCE MITH THE LOCAL GUDELINES FOR EROSION AND SEMILARY CONTROL ON BROKENET DURING COMPANY.
- TWT ENDURY AND SEDURENT CONTROL. THE CONTRACTOR SHALL PROFECT EXISTING IMPROVEMENTS, PAYEMENTS, CURES, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER. 19.
- OF OWNER. CONTINUED TO THE SATISFACT CONTINUED SHALL LEGALLY MAD PROPERTY DEPOSE OF ALL SOPPONET TO THE SATISFACT CARLES AND OTHER TIESS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION. CONTRACTOR SHALL LEAKE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM STE ON A DALLY BASS. 20.
- 21.
- 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.

#### GREENFIELD GROUNDING NOTES:

- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- ACCORDANCE WITH THE NCC. THE CONTRACTOR SHALL EXPROVE LEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER EEE 1100 AND B1) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL EXPROVED SYSTEMS, THE CONTRACTOR SHALL EXPROVED AND INSTALLSUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TRANSIT AND INSTALL SUPPLEMENTAL GROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR ADMACE TO THE CONDUCT AND PROVIDE INSTAL GROUND AND THE CONTRACTOR FOR PROVENCY SUBJECTIVE OF SOUTHINGS AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR ADMACE TO THE CONDUCT AND PROVIDE INSTAL GROUND AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH \$6 COPPER WRE UL APPROVED GROUNDING TYPE CONDUIT COLMANS. з.
- 4.
- ULAWEYS. METAL RACEMAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE FORE CIRCUITS TO BITS EQUIPMENT. 5
- WITH THE POWER CREATER TO BTS EDUPERIT. IN RECOMPLETED CONTRACT RECOMPLETED CONTRACT CONTRACT SUPPLICATE INFORMATION ON DUCIDADE INFORMATIONAL DUCIDADE INTO DUCIDADE INFORMATIONAL DUCIDADE INFORMATIONAL DUCIDADE IN

- 20
- MISCILLARGUS ELECTRICUL AND NON-ELECTRICUL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND COMPLICITS, MILLARGUS ELECTRICUL AND NON-ELECTRICUL AND NON 21

### GENERAL NOTES:

- FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY: CONTRACTOR: GENERAL CONTINUCTOR RESPONSIBLE FOR CONSTRUCTION TOWER OWNER: CROWIN CASTLE USA INC. THESE DRAWINGS HAVE BEEN PREFARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CRECURSTANCES BY REPUTALE LEXANDERS IN THIS OR SIMULAR LOCALITES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE FERTORINED BY AN EXPERIENCED CONTRACTOR AMO/OR WORK/PEOPLE MON THAT A MORRING ROMORED OF THE APPLICABLE COOL STANDARS AND RECOMPLETINGES AND AND CONSTRUCT MON THAT AND AND REPORT OF THE APPLICATE COOL STANDARS AND RECOMPLETENTS AND ON INCOUNTS!
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- DRWINGS, LECCO SUL POR STUDIES OF ALL PORTS AND ALL SALE AND ALL SALE AND ALL SALE AND ALL SALE AND ALL PORTS AND ALL SALE AND ALL SALE AND ALL SALE AND APPORTS AND ALL SALE AND ALL SALE AND APPORTS AND ALL SALE AND ALL SALE AND AND ALL SALE AND ALL A
- ULSIGNATED LOCATION. CONTRACTOR SHALL LAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

### CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

- ALL CORCRETE WORK SHULL BE IN ACCORDANCE WITH THE ACI 301, ACI 316, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SECONDATION FOR AGETIVATIVACE CONCRETE. UNLESS NOTED OTHERWISE, SOUL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 ptm. DESIGN DESIGN DESIGN DESIGN DESIGN DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED ADMENTISE. NO MORE THAN 90 MINUTES SHALL BLARSE FROM BATCH TIME OF FRACEMENT UNLESS APPROVED BY THE ENRORE OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 907 AT TIME OF
- PLACEMEN LACEMENT. ONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR
- ENTRAINMENT TO BE BASED ON SIZE OF ADGREGATE AND F3 CLASS EXPOSURE (VERY SEVENCE). CEVENT USED TO BE TYPE II PORTLAND CEVENT WITH A MAXIMUM WATEK-TO-CEMENT RATIO (W/C) OF 0.45. ALL STEEL REMORDING SHALL CONFORT TO SATM AGIS.ALL WELDED WIRE FARME (WWY) 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, LOWER HOURS, UNLESS HOULD UTIENTISE, INCL. SINCHINIT (3) OF SINCHINU DEVINEED BAIS ARE AS FOLLOWS, LOWER HOURS, UNLESS HOULD UTIENTISE, INCL. SINCHINIT (3) OF SINCHINI DEVINEED BAIS ARE 45 BAIS AND LARCER AND LARCER AND LARCER LOWER SHALL BE PROJECT FOR BENTROPING STEEL UNLESS SHOWN OTHERWISE ON ERMANDISE. ON DRAWINGS: CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH CONCRETE EXPOSED TO EARTH OR WEATHER:
  - #6 BARS AND LARGER
- 1-1/2"

- 27 28 CONDUCTOR COLOR CODE SYSTEM CONDUCTOR A PHASE B PHASE 20/2401/ 10 NEUTRAI
  - WHITE GROUND GREEN A PHASE BLACK B PHASE RED 120/208V. 30 C PHASE BLUE NEUTRAL GROUND GREEN A PHASE BROWN B PHASE RANGE OR PURPLE 277/480V 30 PHASE NEUTRAL GREY

ELECTRICAL INSTALLATION NOTES:

4.2.

12.

1.3.

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

- ABBREVIATIONS:
- ANTENNA ANTENNA EXISTING FACILITY INTERFACE FRAME GENERATOR GLOBAL POSITIONING SYSTEM GLOBAL SYSTEM FOR MOBILE LONG TERM EVOLUTION MASTER GROUND BAR MICROWAVE (E) GEN GPS GSM LTE MGB MW (N) NEC NEW NATIONAL ELECTRIC CODE

BLACK\*\*

- (P) PROPOSED POWER PLANT
- QTY RECT
- QUANTITY RECTIFIER RADIO BASE STATION

- RADIO BASE STATION REMOTE ELECTRIC TILT RADIO FREQUENCY DATA SHEET REMOTE RADIO HEAD REMOTE RADIO UNIT
- SMART INTEGRATED DEVICE TOWER MOUNTED AMPLIFIER
- RBS RET RFDS RRH RRU SIAD TMA TYP UMTS W.P.
  - TYPICAL UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM WORK POINT

ORCUT 002. ANNEL BOAGD (IN NUMBERS) SHALL BE CLARELY MERALITING AND BYNANTL LINUXLIS (I.G. PANEL BOARD AND ANNEL BOARDS (ID NUMBERS) SHALL BE CLARELY MERALING TO ALSONG SHARP EDGES. ALL TEW WARPS SHALL BE CLIFTLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES. ALL POWER NAD EQUIPMENT GROUND WIRKIN IN TURING OR CONDUCTS NALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHM, THMN, THMN-2, XHHW, XHHW-2, THM, THM-2, RHW, OR RIW-2 INSULATION UNLESS OTHERWISE SPECIFIED. THE THEM, THMN, THMN-2, XHHW, XHHW-2, THM, THM-2, RHW, OR RIW-2 INSULATION UNLESS OTHERWISE SPECIFIED. THE THEM, THMN, THMN-2, XHHW, XHHW-2, THM, THM-2, RHW, OR RIW-2 INSULATION UNLESS OTHERWISE SPECIFIED. THE THEM AND CONTROL WIRKIN IN THE THE THE THE THE THEM AND THE THEM AND CONTROL WIRKING IN A THE THEM AND THEM AND THE THEM AND THE THEM AND THE THEM AND THEM AND THE THEM AND THE THEM AND THE THEM AND THE THEM AND THEM AND THE THEM AND THE THEM AND THE THEM AND THEM AND THE THEM AND THEM AND THE THEM AND THE THEM AND THE THEM AND THE THEM AND THEM AND THE THEM AND THEM AND THE THEM A 1200 MACARTHUR BLVD, SUITE 200 MAHWAH, NI 07430 TOWER ENGINEERING OTHERWISE SPECIFIED. POWER AND CONTROL TWINEY OR USE IN CAULT TWY SHALL ALE MILTI-CONDUTION, THE TC CAULE (#1.4 OR MADDIN) WITH POWER AND CONTROL WINEY CAULT WITH Y-2 HWY OR THIN 2 H PROFESSIONALS 326 TRYON RD

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35 GRIFFIN ROAD

BLOOMFIELD CT 06002

RALEIGH, NC 27603

TEP IOB #: 217566.498712

(919) 661-6351

T-MOBILE SITE NUMBER:

CTNH494A

BU #: 846176 MADISON DURHAM ROAD 1749 DURHAM ROAD

MADISON, CT 06443

(NEW HAVEN COUNTY)

EXISTING 119'-0"

MONOPOLE

ISSUED FOR:

CLR

3/17/21 CLR

DESCRIPTION

PRELIMINARY

CONSTRUCTION

03/17/21

REVISION

0

IT IS A VIOLATION OF LAW FOR ANY PERSON

TO ALTER THIS DOCUM

-7

SHEET NUMBER:

エっ

LESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.

BSE

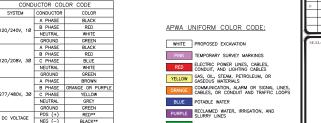
DATI DRWN CROWN CASTLE

- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE
- AND NCC. ELECTRICAL LETALLC TUBING (EMT), INTERMEDIATE METAL CONDUIT (MC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS. ELECTRICAL METALLC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS. SCHEDULE 40 PMC UNDERROUND ON STRAIGHTS AND SCHEDULE 80 PMC FOR ALL ELBOWS/90% AND ALL APPROVED ABOVE GRADE PMC CONDUT. 16.

ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE ALL ELECTIONAL WINK SHALL BE FERROMMENT IN CONTINUES WITH THE FROM I SEATHORN, NO THAT ALL IS LEADNED CONDUCT ROUTING ARE SCHEMART, CONTINUES SHALL CONDUCTS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND THEY MAZAROS ARE LIMMATE. WINK, RACEARY, AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE REC.

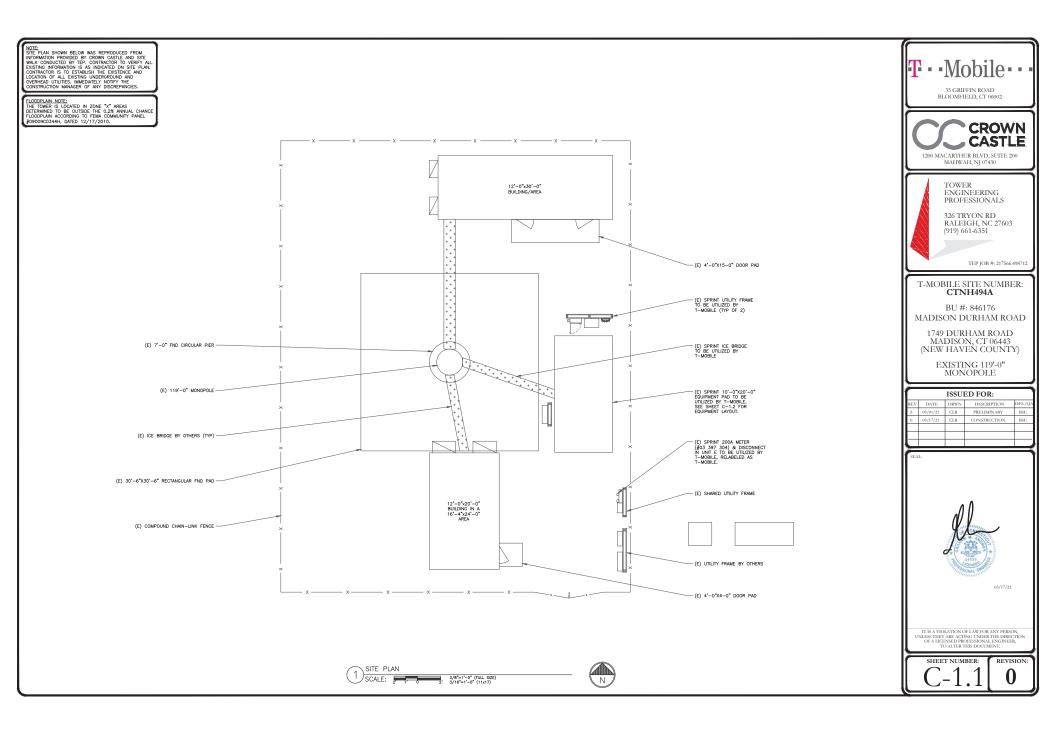
- 18.
- GRADE PVC CONDUIT. LIQUID-TIGHT FURLEW METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBLIT IS INSEEDE. CONDUIT AND TURING RITINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEFFABLE. CARMETS, BORSS AND WIRE WIRS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEWA, UL, ANS//EEE AND THE INCS. SHALL BE WETLAW HITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS 21
- 22. 23.
- THE NEC SHALL BE WETAL WITH AN EXAMPLE FINSH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS WIRENDLO SPECIATE WIRENWY. SLOTED WIRING DUCT SHALL BE PVG AND INCLUDE COVER (PANDUIT TYPE E OR EDUL). CONDUITS SHALL BE FASTENDE SCUELT IN FLACEWING WON-PERFORMET STARES AND HANGERS, EXPLOSIVE DEVES (G. POWIES-LICATED) FOR ATLICENS HANGERS TO STRUCTURE WILL NOT BE DIMITED, CLOEDLY TOLDUN THINGES DEVES (G. POWIES-LICATED) FOR ATLICENS HANGERS TO STRUCTURE WILL NOT BE DIMITED, CLOEDLY TOLDUN THINGES IN DEFEORM TO NOTE AROUND OBSTACLES SHALL BE MADE WIN TO STRUCTURE WILL AND EXPLOSIVE A MALL AND WORKMALUE MANRER. PARALLEL AND PERFENDICULAR TO STRUCTURE WILL AND CHINA. LE RISTALED IN A MALL AND WORKMALUE MANRER. PARALLEL AND PERFENDICULAR TO STRUCTURE WILL AND CHINES. ALL DEN INSTALLES IN A MALL AND WORKMALUE MANRER. PARALLEL AND PERFENDICULAR TO STRUCTURE WILL AND CHINES. ALL DEN INSTALLES IN A MALL AND WORKMALUE MANRER. PARALLEL AND PERFENDICULAR TO STRUCTURE WILL AND CHINES. ALL DEN INSTALLES IN A MALL AND WORKMALUE MANNER. PARALLE HAD EMPRINGEN LOCATIONE ANALL BE INSTALLED IN A MALL AND WORKMALUE MANNER. PARALLE AND DER MENDICULAR TO STRUCTURE WALL AND NOTES. COUNTRY OF DISCUSSION OF THE DISCUSSION OF DISCUSSION OF DISC. CONDUTT SOUTH DISC. SOUTH ON DUSTES AND NELL BE NOT MALL BE NOT MAL

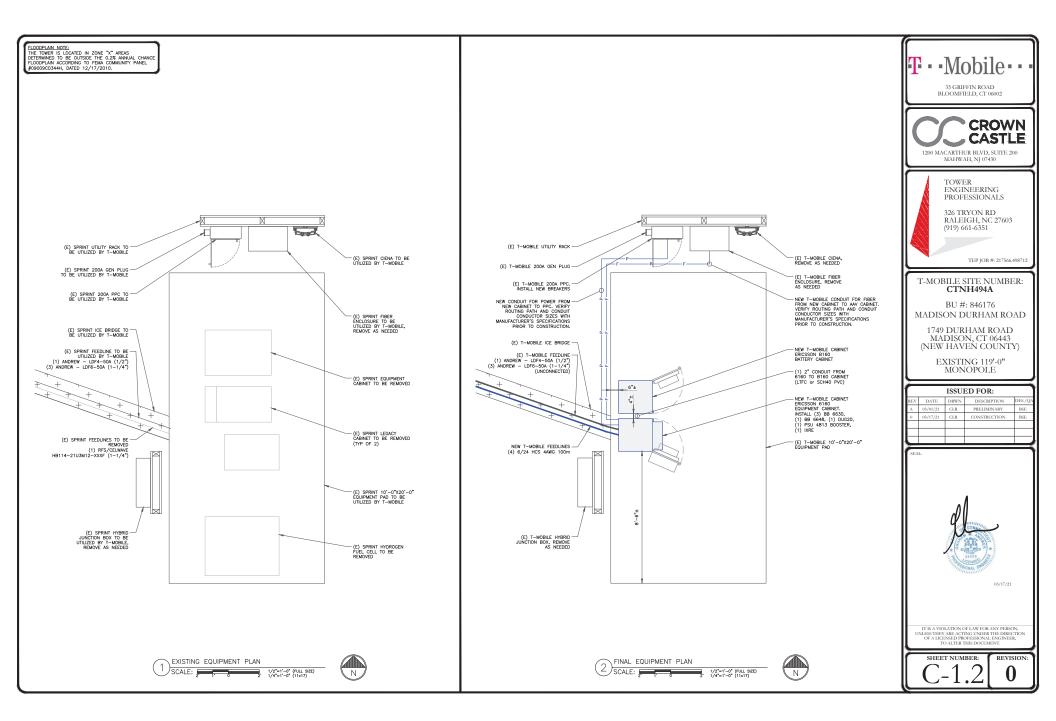
- (MP OR BELIER) FOR EXTERIOR LOCATIONS. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED

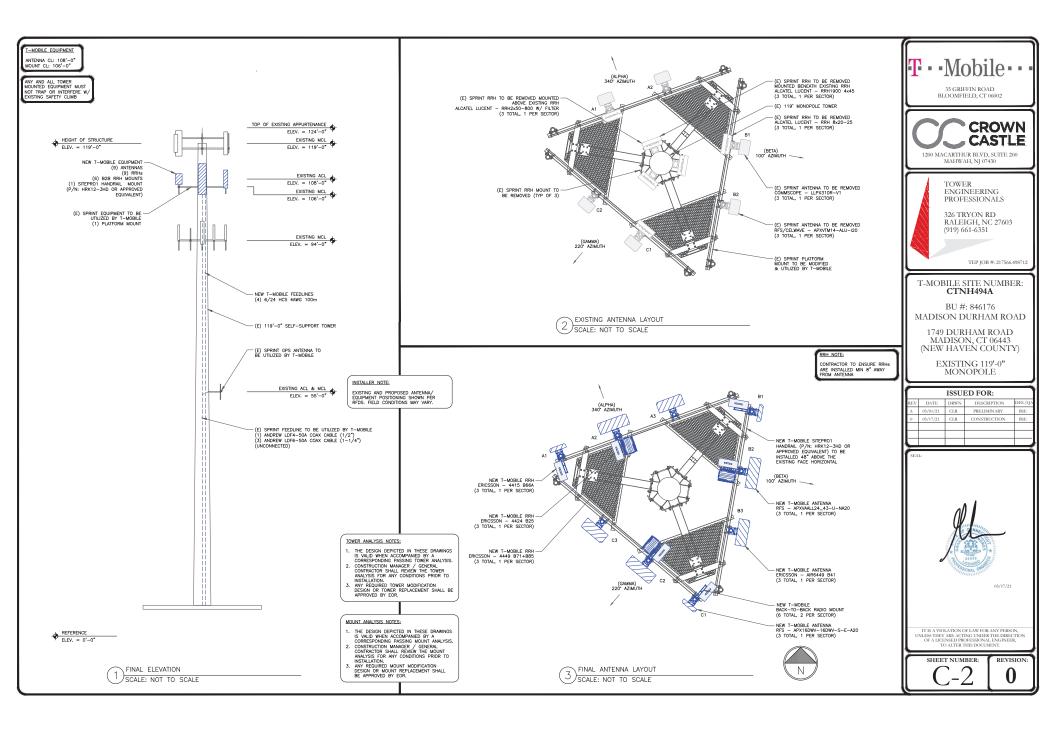




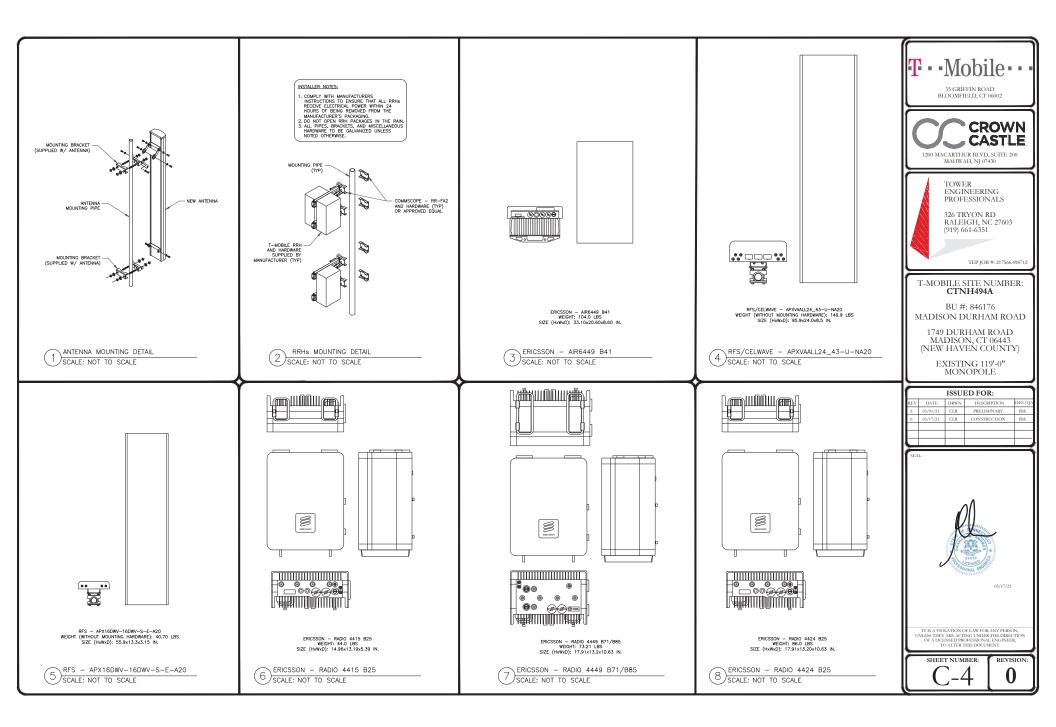
- PURPLE RECLAIMED WATER, IRRIGATION, AND SLURRY LINES
- GREEN SEWERS AND DRAIN LINES

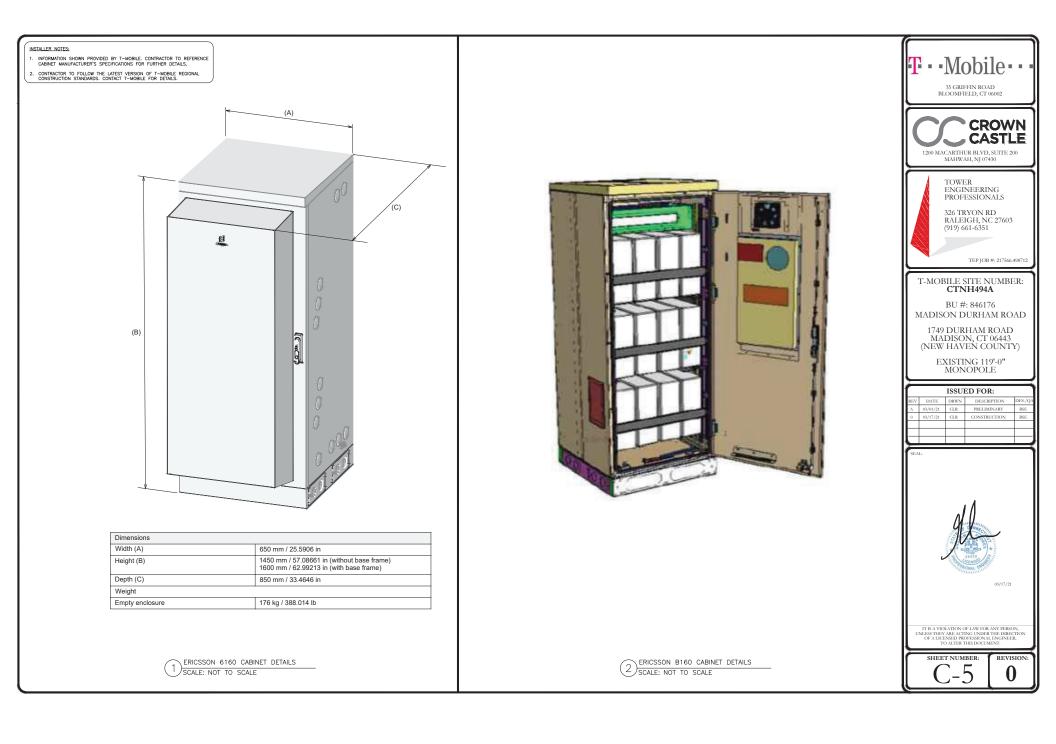


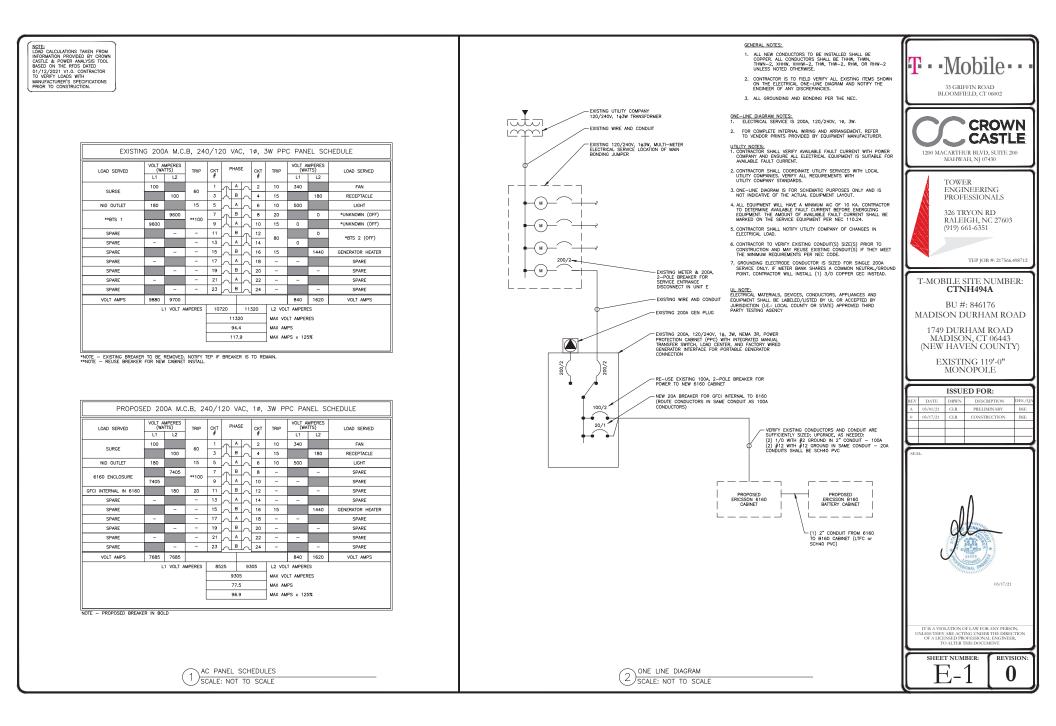




ALPHA         A1         L2100         108'-0"         340"         1           ALPHA         A2         L700, L600, N000, L100, C1000, 108'-0"         340"         1           ALPHA         A2         L700, L600, N2500         108'-0"         340"         1           ALPHA         A3         L2500, N2500         108'-0"         340"         1           BETA         B3         L2100, L600, N600, L1900, C1900, C1900         108'-0"         100"         1           BETA         B3         L2100, L500, N2500         108'-0"         100"         1           BETA         B3         L2100, L500, N2500         108'-0"         100"         1           GAMAA         C1         L2100         108'-0"         220"         1	FINAL ANTENNA SCHEDULE           SMA GURER         ANTENNA MODEL         MECH TLT         ELECT. TULT         TOMER MOUNTED EQUIPMENT         FEEDLNE TYPE           FS         APXIADUZ4_45-U-N220         0'         2'         (1) ERCSSON - 4419         B71+885         (1) 6/24 HCS 4MARC (0CTO)           FS         APXIADUZ4_45-U-N220         0'         2'/5'         (1) ERCSSON - 4419         B71+885         (1) 6/24 HCS 4MARC (0CTO)           SSON         (ACTIVE ANTERINA - MASSVE MIMO)         0'         2'         -         (1) 6/24 HCS 4MARC (1) ERCSSON - 4419         B71+885         (1) 6/24 HCS 4MARC (1) ERCSSON - 4419         B71+885         (1) 6/24 HCS 4MARC (10) ERCSSON - 4419         B71+885         (1) 6/24 HCS 4MARC (10) ERCSSON - 4419         B71+885         (1) 6/24 HCS 4MARC (10) ERCSSON - 4424         B23         (1) 6/24 HCS 4MARC (10) ERCSSON - 4424         B23         (1) 6/24 HCS 4MARC (10) ERCSSON - 4424         B23         (1) 6/24 HCS 4MARC (10) FRCSSON - 4429         B71+885         HYBRID (SHARED)           FS         APXIADUA - 4ASVE MIMO)         0''         2''         -         HYBRID (SHARED)           FS         APXIADUA - 4ASVE MIMO)         0''         2''<	FINAL CABLE SCHEDULE         STATUS       CABLE TYPE       SIZE       QUANTITY         NEW       HOS       6/24       4340       3         CABLE QUANTITY       3         NOTE:       CABLE DERWEEN APX/4415/4449/4424 PER SECTOR         (1) HYBRID SHARED BETWEEN 6449 ANTENNAS PER SECTOR	CONTRACTOR OF CO
	PROPOSED ANTENNA AND CABLE SCHEDULE SCALE: NOT TO SCALE		TEP JOB #: 217566-098712 T-MOBILE SITE NUMBER: CTNH494A BU #: 846176 MADISON DURHAM ROAD 1749 DURHAM ROAD MADISON, CT 06443 (NEW HAVEN COUNTY) EXISTING 119'-0" MONOPOLE ISUED FOR: ISUED F
	0.2 m 2 m CONDUCTOR PARS (6) HCS DETAIL 2 MCS DETAIL 2 MCS DETAIL 2 MCS DETAIL		ovirze TT 5 A VIOLATION OF LAW FOR ANY PRESON, UNASSESSMENT OF LAW FOR ANY PRESON, TO ALTER VIES DOCUMENT. SHEET NUMBER C-3 C









#### ALL GROUNDS MUST ROUTE DOWNHILL FOR ENTIRE DURATION OF ROUTE

 PROVIDE LABOR, MATERIALS, INSPECTION, AND TESTING TO PROVIDE CODE COMPLIANCE FOR ELECTRIC, TELEPHONE, AND GROUNDING/LIGHTNING SYSTEMS. ICE BRIDGE/ EQUIPMENT POST:

#2 SOLID COPPER TINNED, EXOTHERMICALLY WELDED TO GROUND RING (BOTH ENDS), FINAL WELD COLD GALVANIZED, IN 1/2" NON-METALLIC SEAL TIGHT CONDUIT, SEALED WITH SILICONE, ANCHORED TO PAD/PLATFORM TO AVOID TRIP HAZARD USING HAMMER SET ANCHORS.

#### PEDESTALS, PLINTHS, SSC CABINET, FCOA CABINETS:

- $\mathbf{z}$  Sould cooper tinned, 2 hole Lug with flat and lock washer at equipment; exotherincally welded to ground Ring, final weld old galvanzed, in  $\mathcal{Y}^{a}$  non-wetaile seal tight conduct sealed with succes, anywhere to part of avoid trip hazard using hammer set anchors. Each part requires a separate downlead, no days chains.
- 2. ALL COMPONENTS INSIDE FCOA CABINETS REQUIRE A DEDICATED GROUND.

#### COVP's

#6 THHN STRANDED (GREEN JACKET), CONNECTED AT EQUIPMENT SIDE USING OVP TERMINAL BLOCK CONNECTION; MECHANICALLY CONNECTED TO GROUND REFERENCE AT MASTER BUSS BAR USING 2 HOLE LUG WITH FLAT AND LOCK WASHER, IN ½" NON-METALLIC SEAL TIGHT CONDUIT, SEALED WITH SULCONE, AND ANCHORED TO PAD/PLATFORM TO AVOID TRIP HAZARD.

#### ANTENNA/ COVP/ RRU MAST PIPES:

- ALL VERTICAL MAST PIPES: #2 SOLD COPPER TINNED, EXOTHERMICALLY WELDED TO TOP OF PIPE (PIPE, DOWN MOLD), FINAL WELD COLD GALVANIZED, BONDED TO TOP BUSS BAR WITH 2 HOLE COPPER COMPRESSION LUG, FLAT AND LOCK WASHER.
- EXISTING/REUSED PIPES: #2 SOLID COPPER TINNED, BONDED WITH COLD WATER CLAMP TO TOP OF PIPE, BONDED TO TOP BUSS WITH 2 HOLE COPPER COMPRESSION LUG, FLAT AND LOCK WASHER

### AIR TERMINALS:

TO BE INSTALLED. ONLY IE REQUIRED.

### TMA's, DIPLEXERS AND TRIPLEXERS:

- 1. #6 THEN, WITH PROPER COPPER COMPRESSION LUG, FLATS AND LOCK WASHERS. 2. ALL GROUND LUGS ON TMA MUST BE GROUNDED WITH SEPARATE DOWNLEAD TO BUSS BAR (NO DAISY CHAINS)
- ELEVATED STEEL PLATFORMS WITH LUNAR FEET:

# #2 SOLID COPPER TINNED, EXOTHERMICALLY WELDED (FLAT PLATE MOLD) TO OUTSIDE PERIMETER BEAMS IN FOUR (4) PLACES, FINAL WELD COLD GALVANIZED, BONDED DIRECTLY TO SUBGRADE GROUND RING.

### STEEL CANOPY (STEEL PLATFORM OR CONCRETE PAD):

- #2 SOLID COPPER TINNED, EXOTHERMICALLY WELDED (PIPE, DOWN MOLD) TO BOTTOM OF ALL VERTICAL SUPPORT POSTS. TYPICALLY FOUR (4) PIPES, FINAL WELD COLD GALVANIZED, BONDED DIRECTLY TO SUBGRADE GROUND RING.
- #2 SOLID COPPER TINNED, EXOTHERMICALLY WELDED (PIPE, UP MOLD) TO TOP OF ALL VERTICAL SUPPORT POSTS, TYPICALLY FOUR (4) PIPES, FINAL WELD COLD GALVANIZED, BONDED UP TO CANOPY GRIP-STRUT USING 2 HOLE COPPER COMPRESSION LUG, FLAT AND LOCK WASHER.

RRU: #6 THHN, WITH PROPER COPPER COMPRESSION LUG, ANTI-OXIDANT TO SECTOR BUSS BAR

#### FSBE ALARM BOX:

#6 THHN WITH ONE HOLE LUG BONDED TO PREVIOUSLY GROUNDED FCOA, PLINTH OR BUSS BAR.

#### SURGE SUPPRESSORS:

#6 THHN TO PREVIOUSLY GROUNDED BUSS BAR USING PROPER LUGS

FYGA/FYGB BRACKET:

1. #6 THHN TO PREVIOUSLY GROUNDED BUSS BAR USING PROPER LUGS

2. THROUGH BOLTS WITH FLAT, LOCK ON BRACKET

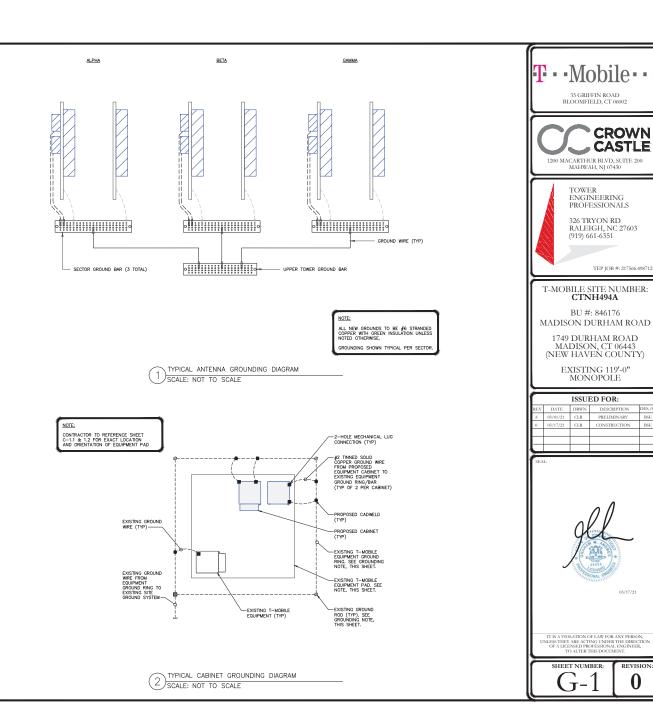
#### BUSS BARS:

- PLATFORM / PAD BUSS BAR SHOULD BE MINIMUM 12" TINNED COPPER WITH INSULATORS, AND SHOULD HAVE TWO (2) EXOTHERMICALLY WELDED DOWN LEADS DIRECTLY TO GROUND RING USING #2 SOULD COPPER TINNED WIRE.

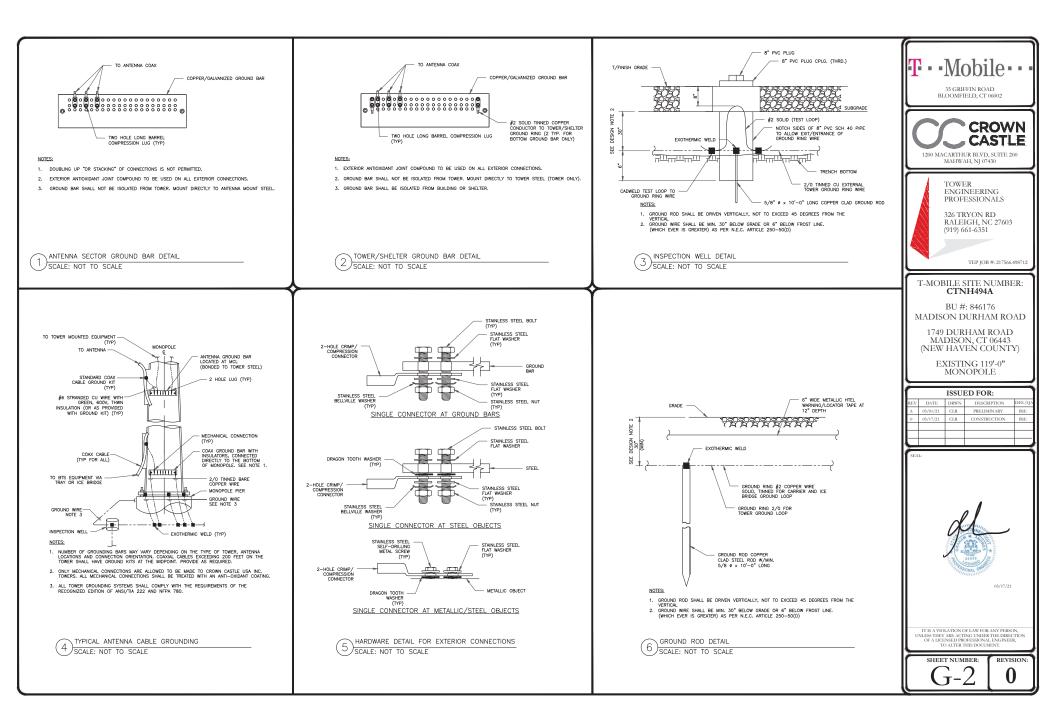
# SECTOR BUSS BAR SHOULD BE PROPERLY SIZED TO ACCOMMODATE NECESSARY GROUNDING FOR EQUIPMENT ON EACH MOUNT, AND MAY BE SOLID COPPER (TINNED NOT REQUIRED). NOT USE INSULATORS ON SECTOR BUSS BARS ATTACH DIRECTLY TO TOWER MOUNT STEEL.

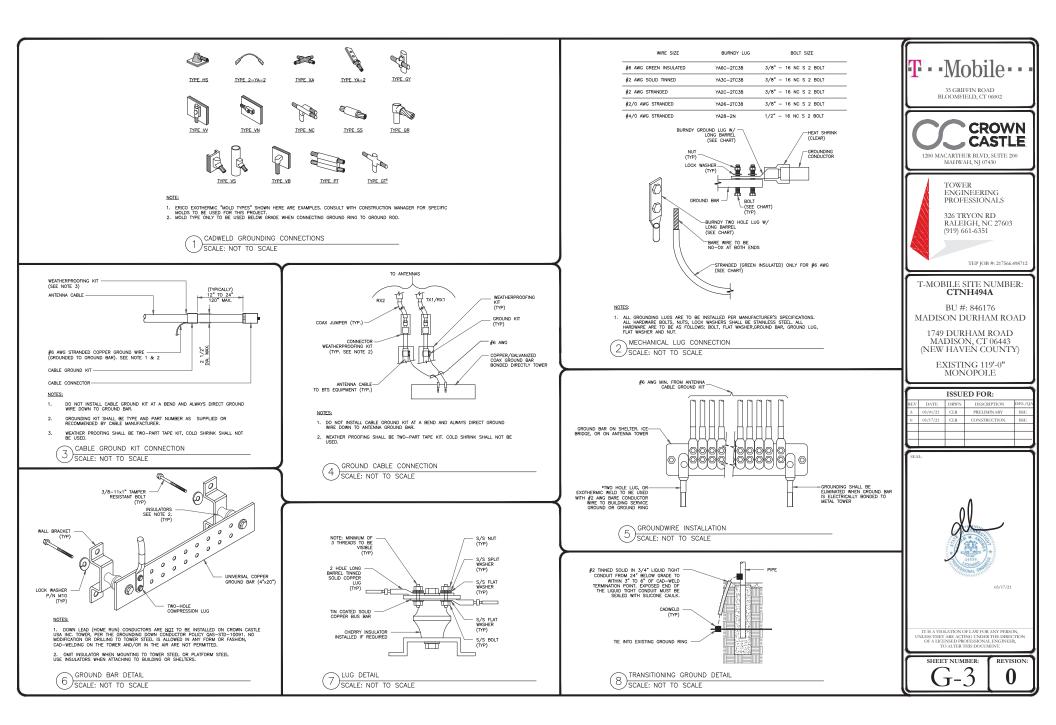
#### GENERAL ·

- · NO GROUND KITS ON HYBRID TRUNKS (TOP OR BOTTOM)
- · NO GROUND KITS ON MICROWAVE IF CABLES (TOP OR BOTTOM)
- · MICROWAVE SURGE SUPPRESSORS ARE NOT TO BE INSTALLED UPSTAIRS ON TOWER,
- DOWNSTAIRS ONLY (BULKHEAD PREFERRED)
- · MICROWAVE ODU MUST BE GROUNDED TO TOWER TOP SECTOR OR COLLECTOR BUSS BAR
- ALL TMA'S AND DIPLEXERS MUST BE GROUNDED TO BUSS BAR. NO DAISY CHAIN ON TWIN/DUAL TMA
- ALL LUGS SHOULD BE PROPERLY SIZED FOR CONDUCTOR, BURNDY TINNED COPPER COMPRESSION STYLE
   INDOK (OR INSIDE CABINET) SHOULD HAVE WINDOW
- 2. OUTDOOR SHOULD NOT HAVE WINDOW
- · CONTRACTOR TO VERIFY EXISTENCE AND LOCATION OF EXISTING SITE GROUND SYSTEM
- CONTRACTOR SHALL VERIPY THAT GROUNDING ELECTRODES SHALL BE CONNECTED IN A RING USING #2 AWG BARE TINNED COPPER WHEE. THE TOP OF THE GROUND RODS AND THE RING CONDUCTOR SHALL BE 30° BLUEN INSINGE GARGE, OR TO FROST DEPTH, WHICHEVER IS GREATER, GROUNDING ELECTRODES SHALL BE DRIVEN ON 10° O° CENTERS (PROVIDE AND INSTALL AS REQUIRED, REQUIRED FEP PLAN BELON).
- GROUNDING CONDUCTORS SHALL BE OF EQUAL LENGTH, MATERIAL, AND BONDING TECHNIQUE.
- CONTRACTOR SHALL ENSURE GROUND RING IS WITHIN 12 TO 36 INCHES OF THE EQUIPMENT PAD. PROVIDE AND INSTALL GROUNDING CONNECTIONS SHOWN BELOW AS INEEDED PER EXISTING SITE GROUNDING SYSTEM. CONTRACTOR SHALL VERY ALL EXISTING SITE GROUNDING CONDITIONS BEFORE STARTING WORK OR PURCHASING EQUIPMENT. · ALL DOWN CONDUCTORS MUST GO DOWN.



BSE





## APPENDIX B

# CORRESPONDENCE

# **Timothy Vicisko**

From:	Victoria Masse <victoria@northeastsitesolutions.com> on behalf of Victoria Masse</victoria@northeastsitesolutions.com>
Sent:	Thursday, May 26, 2022 3:07 PM
То:	David Allen; Timothy Vicisko; Chris Thompson
Cc:	Dave deraleau; Amanda Warner
Subject:	Fwd: FW: CTNH494A-Sprint Keep-Request for PE Letter
Attachments:	Alpha Overall sector from behind (2).jpeg; Beta Overall sector from behind (1).jpeg
Follow Up Flag:	Follow up
Flag Status:	Flagged

David/Tim, Please see attached photos and emails below, let us know if you need anything else.

Thank you

------ Forwarded message ------From: **Dave deraleau** <<u>dderaleau@northeastsitesolutions.com</u>> Date: Mon, May 23, 2022 at 4:17 PM Subject: FW: CTNH494A-Sprint Keep-Request for PE Letter To: Amanda Warner <<u>amanda@northeastsitesolutions.com</u>> Cc: Victoria Masse <<u>victoria@northeastsitesolutions.com</u>>

From: Edward Clark <<u>eclark@d-a-construction.com</u>>
Sent: Monday, May 23, 2022 4:13 PM
To: Brian Saczynski <<u>brian@d-a-construction.com</u>>; Dave deraleau <<u>dderaleau@northeastsitesolutions.com</u>>
Subject: RE: CTNH494A-Sprint Keep-Request for PE Letter

The 2212s are in one housing- essentially naming it 4424- each 2212 dose different technology. One is doing L19 other G19

Dave Deraleau

**Construction Manager** 

<u>413-858-5009</u>

dderaleau@northeastsitesolutions.com



From: Brian Saczynski <<u>brian@d-a-construction.com</u>>
Sent: Monday, May 23, 2022 4:06 PM
To: Edward Clark <<u>eclark@d-a-construction.com</u>>; Dave deraleau <<u>dderaleau@northeastsitesolutions.com</u>>;
Subject: FW: CTNH494A-Sprint Keep-Request for PE Letter

Dave looking at the photos below you can see that there is two 2212's in one housing.

EC can you confirm-

# **Brian Saczynski**

**Special Projects** 

**D&A Construction Management Inc.** 

40 Flax Mill Rd - Branford, CT 06405

### P: 203-641-2771

From: Dave deraleau <<u>dderaleau@northeastsitesolutions.com</u>>
Sent: Monday, May 23, 2022 3:39 PM
To: Brian Saczynski <<u>brian@d-a-construction.com</u>>
Subject: FW: CTNH494A-Sprint Keep-Request for PE Letter

Did we double up on the 2212's here?

Dave Deraleau

**Construction Manager** 

413-858-5009

### dderaleau@northeastsitesolutions.com



From: Amanda Warner <<u>amanda@northeastsitesolutions.com</u>> Sent: Monday, May 23, 2022 3:35 PM To: Dave deraleau <<u>dderaleau@northeastsitesolutions.com</u>> Cc: Victoria Masse <<u>victoria@northeastsitesolutions.com</u>> Subject: FW: CTNH494A-Sprint Keep-Request for PE Letter

Dave,

Can you confirm with D&A what they actually installed for RRUs? The pictures look like they installed a single 2212 instead of the 4424 which apparently has two of the 2212 within in.

From: Rana, Hansraj <<u>Hansraj.Rana4@T-Mobile.com</u>> Sent: Monday, May 23, 2022 12:42 PM To: Amanda Warner <<u>amanda@northeastsitesolutions.com</u>>; Victoria Masse <<u>victoria@northeastsitesolutions.com</u>>; Cc: Patil, Pratik <<u>Pratik.Patil30@T-Mobile.com</u>>; Lucey, Michael <<u>Michael.Lucey@T-Mobile.com</u>> Subject: RE: CTNH494A-Sprint Keep-Request for PE Letter

HI Amanda,

Actually, Radio 4424 has 2x 2212 Radios in one radio unit. FYI below picture.

4424(2x2212) Specifications		
Radio 4424	Radio 4424(2x2212) B25	
Picture		
Technology	GWL on B25	
Max Output Power	4x80W (2x(2x80W))	
Radio	4T4R	
Spectrum Bands	B25 (G Block capable)	
Bandwidth	65 MHz	
Dimensions(HxWxD in) Weight(lbs)	16.5° x 13.5° x ~9.6° ~88	
RF Connector	4.3-10	
Fuse Rating	20A	
Data Ports	4 x 10.1Gbps CPRI	
Minimum SW needed/availability	LTE: L18.Q1 IP1 WCDMA: W16B IP36 GSM: G16.11	

## Thanks,

# HansRaj Rana

RF Engineer

Mobile: (973) 452-5910

HansRaj.Rana4@T-Mobile.com

From: Amanda Warner <<u>amanda@northeastsitesolutions.com</u>> Sent: Monday, May 23, 2022 10:01 AM To: Rana, Hansraj <<u>Hansraj.Rana4@t-mobile.com</u>> [External]

Hi Hansraj,

It looks like the 4424 wasn't installed here but rather a 2212. Our PE is asking us to give them an updated RFDS to reflect this in order to give us a letter needed to close out the permits.

Please let us know.

Thank you,

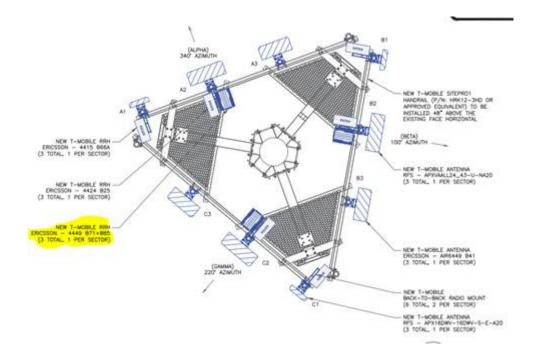
Amanda

From: Timothy Vicisko <<u>tvicisko@tepgroup.net</u>>
Sent: Monday, May 23, 2022 9:47 AM
To: Amanda Warner <<u>amanda@northeastsitesolutions.com</u>>; David Allen <<u>dallen@tepgroup.net</u>>; Victoria Masse
<<u>victoria@northeastsitesolutions.com</u>>
Cc: Chris Thompson <<u>cthompson@tepgroup.net</u>>; Dave deraleau <<u>dderaleau@northeastsitesolutions.com</u>>
Subject: RE: CTNH494A-Sprint Keep-Request for PE Letter

Good Morning Victoria,

Can you please send over the updated RFDS sheet for this site? Everything with the T-mo install looked good, except they installed a different radio behind position 2 on all sectors. CD's specify Ericsson 4424 B25, Ericsson 2212 B2 B25 was installed instead, see below.





Thanks,

Tim

Tim Vicisko

### Division Manager – NJ Inspections | Tower Engineering Professionals, Inc. (www.tepgroup.net)

53 Stickle Ave, Suite 1, Rockaway, NJ 07866 | Office: (919) 661-6351 | Fax: (919) 661-6350 | Mobile: (732) 770-2100

From: Amanda Warner <amanda@northeastsitesolutions.com>
Sent: Wednesday, May 11, 2022 12:39 PM
To: David Allen <dallen@tepgroup.net>; Victoria Masse <victoria@northeastsitesolutions.com>
Cc: Timothy Vicisko <tvicisko@tepgroup.net>; Chris Thompson <cthompson@tepgroup.net>; Dave deraleau
<dderaleau@northeastsitesolutions.com>
Subject: RE: CTNH494A-Sprint Keep-Request for PE Letter

Hello David,

PO attached. Please advise if you require any other information from us in order to proceed with this.