



STATE OF CONNECTICUT  
*CONNECTICUT SITING COUNCIL*

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

E-Mail: [siting.council@ct.gov](mailto:siting.council@ct.gov)

Web Site: [portal.ct.gov/csc](http://portal.ct.gov/csc)

**VIA ELECTRONIC MAIL**

April 19, 2023

William Hurly  
Centerline Communications, LLC  
750 West Center Street, Suite 301  
West Bridgewater, MA 02379  
[whurley@clinellc.com](mailto:whurley@clinellc.com)

RE: **EM-ATT-025-230331** – AT&T notice of intent to modify an existing telecommunications facility located at 751 Higgins Road, Cheshire, Connecticut.

Dear William Hurly:

The Connecticut Siting Council (Council) is in receipt of your correspondence of April 18, 2023 submitted in response to the Council's April 17, 2023 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

MAB/ANM/laf

**From:** William Hurley <whurley@clinellc.com>

**Sent:** Tuesday, April 18, 2023 2:21 PM

**To:** Fontaine, Lisa <Lisa.Fontaine@ct.gov>

**Cc:** CSC-DL Siting Council <Siting.Council@ct.gov>; Ryan Burgdorfer <rburgdorfer@clinellc.com>

**Subject:** RE: EM-ATT-025-230331 (Higgins Road) Cheshire - Council Incomplete Letter

Good afternoon,

Regarding EM-ATT-025-230331, Please find the following attached:

- a. Construction Drawings dated April 4, 2023, which do include a stamp and signature of a Professional Engineer duly licensed in the State of Connecticut.
- b. A copy of the Original Facility Approval from the Town of Cheshire.

Apologies for the incompleteness of the original submission.

Please let me know there is anything further required.

Thanks,

Bill Hurley



**William Hurley** | Site Acquisition Consultant

750 W Center St, Suite 301 | West Bridgewater, MA 02379

Mobile: 716-908-6915

[whurley@clinellc.com](mailto:whurley@clinellc.com) | [www.centerlinecommunications.com](http://www.centerlinecommunications.com)

# TOWN OF CHESHIRE

Planning & Zoning Commission  
84 South Main Street  
Cheshire, Connecticut 06410  
203-271-6670 • Fax 203-271-6688



June 3, 2003

HAND DELIVERED

RECEIVED BY: [Signature]

DATE: 6-3-03

AT&T  
Anthony J. Fazzino, Esq.  
One Town Center  
Cheshire, CT 06410

RE: Special Permit Application  
AT & T  
751 Higgins Road  
Building addition for cooling facilities

P.H. 04/14/03  
P.H. 05/12/03  
MAD 07/16/03

Dear Attorney Fazzino:

At the regular meeting of the Planning and Zoning Commission held on May 27, 2003, the following motion was approved as amended:

MOTION: That the Zoning Committee recommends that the Planning and Zoning Commission approve the special permit application of AT&T, for a building addition for cooling facilities for property located at 751 Higgins Road, in an R-40 zone, as shown on the current Assessor's Map No. 69, Lot No. 53, and shown on the following plans entitled:

AT&T Cheshire-Chiller Replacement, Higgins Road, Cheshire, CT prepared by Milone & MacBroom sheets 1 & 2 March 2003 and Chiller Replacement Sections; and EYP Mission Critical Facilities sheets CO1, CO2, AO1, AO2, AO3, and POO1 March 12, 2003

With the following stipulations:

1. The applicant shall comply with comments in a memo from the Police Department dated April 11, 2003 and attached hereto.
2. Approval for the sanitary sewer is required from the Water Pollution Control Authority.
3. The proposed building must be incorporated into the facilities alarm system.

4. An approved emergency key box must be installed at the new building
5. The applicant shall be responsible for maintenance and replacement of new plantings shown on the plans.
6. Water treatment chemicals must be shipped in compliance with Department of Transportation regulations.
7. The delivery area must be secured such that any storm drains in the vicinity of the unloading operations are protected with a drain dike.
8. A trained representative of AT&T must be present to receive all water treatment chemicals, and must take the following actions:
  - Review the label information to ensure that it is the correct material
  - Move the drum using a hand truck to the drum storage area
  - Place chemicals on a secondary containment pallet in the drum storage area
9. Empty drums used for water treatment chemicals must be removed from the site.

**Acoustic**

10. The sound emitted from this addition and existing sources shall be kept to an absolute minimum. The sound barrier wall enclosure and band of exterior rated sound absorption panels shall be installed as described in the report conducted by Adelaide Associates LLC entitled "Existing Sound Level Measurements, Evaluation of Existing Generator Sound, Sound Level Prediction of Proposed Cooling Tower" dated August 7, 2002 final revision November 4, 2002. Certification that the panels have been installed properly and to full effectiveness must be submitted to the Planning Department prior to operation of the cooling tower.
11. Periodic acoustic noise readings shall be taken by a certified sound Engineer. At no time shall the sound recorded of the operation of the cooling tower under conditions of minimal background noise be greater than 37 db at any of the property boundaries. These readings shall be taken every six months or upon receipt of a complaint by the Planning Office. In the event of a complaint the applicant shall provide the Planning and Zoning Office with a certified acoustics reading within 48 hours. Failure to meet these noise requirements will result in zoning enforcement action up to and including a Cease and Desist Order for operation of the chillers.

AT&T  
Anthony J. Fazzino, Esq.  
One Town Center  
Page 3

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Moved by Mr. Adinolfi; seconded by Ms. Hilzinger. Vote on the amended motion:  
In favor: Levy, Kramer, Marinaro, Cobern, Hilzinger, Todisco, Adinolfi. Opposed:  
Ranando and Dawson.

Very truly yours,

*Beverly G. Hilzinger*

Beverly G. Hilzinger, Secretary  
Cheshire Planning and Zoning Commission

BGH:jp

**ENCLOSURES**

**PROJECT INFORMATION**

SCOPE OF WORK: ITEMS TO BE MOUNTED ON THE EXISTING LATTICE TOWER:  
 • INSTALL MOUNT MODIFICATIONS (SEE "S" SHEETS).  
 • NEW AT&T RADIOS: 2012 B29 (TYP. OF 1 PER SECTOR, TOTAL OF 3).

ITEMS TO BE MOUNTED IN EQUIPMENT LOCATION:  
 • FINAL=5216-XMU-6630-IDLE/6648-XCEDE

ITEMS TO BE REMOVED:  
 N/A

ITEMS TO REMAIN:  
 • (9) ANTENNAS, (15) RRU'S, (3) SURGE ARRESTORS, (9) DC TRUNKS, (3) FIBER CABLES & (3) Y-CABLES.

RFDS: FINAL APPROVED V2 1/13/23

SITE ADDRESS: 751 HIGGINS ROAD  
 CHESHIRE, CT 06410

LATITUDE: 41.487472° N, 41' 29' 14.9" N

LONGITUDE: 72.929305° W, 72' 55' 45.5" W

TYPE OF SITE: LATTICE TOWER / INDOOR EQUIPMENT

STRUCTURE HEIGHT: 249'-0"±

RAD CENTER: 255'-0"±

CURRENT USE: TELECOMMUNICATIONS FACILITY

PROPOSED USE: TELECOMMUNICATIONS FACILITY

**NOTE TO GENERAL CONTRACTOR: (PRIOR TO CONSTRUCTION COMPLETION)**

- TEP NORTHEAST (TEP OPCO, LLC.) TO PERFORM POST/CLIMB AND INSPECTION TO CONFIRM PROPOSED INSTALLATION COMPLIES WITH THE RECORD STAMPED DRAWINGS AND STRUCTURAL REPORTS PRIOR TO SUBMITTING FCCA (FINAL CONSTRUCTION CONTROL AFFIDAVIT). GC IS RESPONSIBLE FOR COORDINATING INSPECTIONS WITH TEP NORTHEAST (TEP OPCO, LLC.) PRIOR TO CONSTRUCTION BEING COMPLETED.



**SITE NUMBER: CTL02036**  
**SITE NAME: CHESHIRE SW**  
**FA CODE: 10034996**  
**PACE ID: MRCTB062236**  
**PROJECT: LTE 6C 2023 UPGRADE**

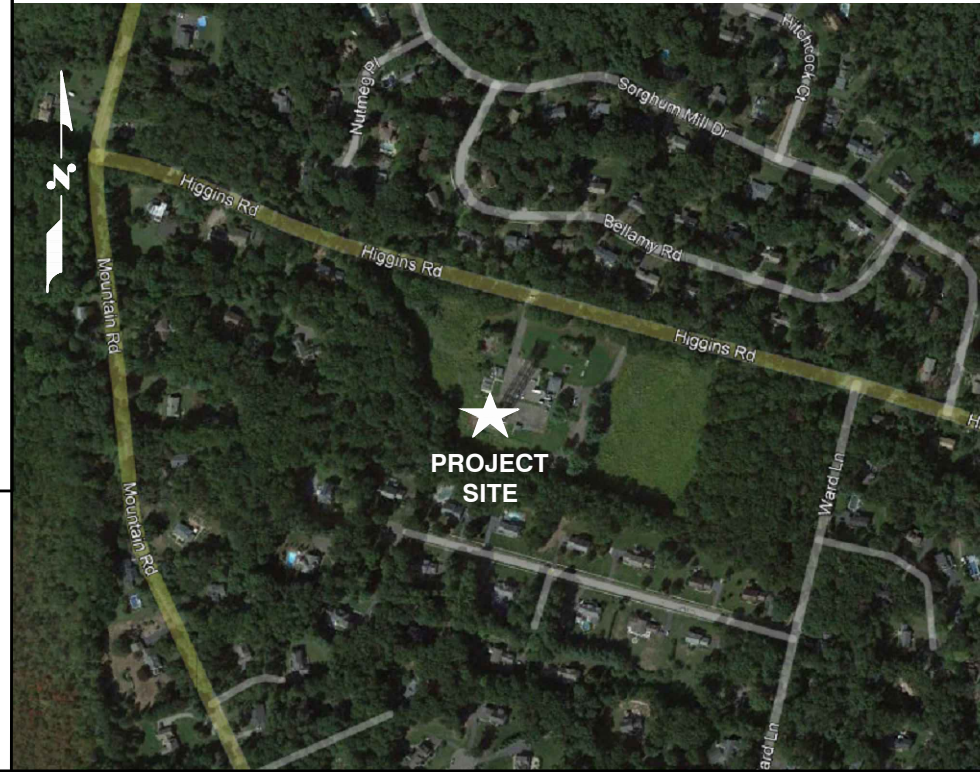
**ISSUED FOR PERMITTING**

**DRAWING INDEX**

SHEET NO.	DESCRIPTION	REV.
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G-1	GROUNDING DETAILS	1
RF-1	RF PLUMBING DIAGRAM	1

**VICINITY MAP**

**DIRECTIONS TO SITE:**  
 HEAD SOUTHEAST TOWARD CAPITAL BLVD. TURN LEFT ONTO CAPITAL BLVD. TURN LEFT ONTO STATE HWY 411, TURN LEFT TO MERGE ONTO I-91 S. MERGE ONTO I-91 S. KEEP RIGHT TO STAY ON I-91 S. TAKE EXIT 18 FOR I-691 W TOWARD MERIDEN/WATERBURY. CONTINUE ONTO I-691 W. TAKE EXIT 1 ON THE LEFT FOR I084 W TOWARD WATERBURY/DANBURY. MERGE ONTO I-84. TAKE EXIT 26 FOR CT-70 TOWARD CHESHIRE/PROSPECT. TURN LEFT ONTO CT-70 E/STATE HWY 801. TURN RIGHT ONTO MOUNTAIN RD. TURN LEFT ONTO HIGGINS RD. TURN RIGHT.



**GENERAL NOTES**

- THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF AT&T. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
- THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
- CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE AT&T MOBILITY REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.
- CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEER OF RECORD'S STAMPED AND SIGNED SUBMITTAL DATE LISTED HEREIN.

**72 HOURS**

**CALL BEFORE YOU DIG**

CALL TOLL FREE 1-800-922-4455  
 OR CALL 811

**UNDERGROUND SERVICE ALERT**

TEP OPCO, LLC.  
 45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845  
 TEL: (978) 557-5553

750 WEST CENTER STREET, SUITE #301  
 WEST BRIDGEWATER, MA 02379

**SITE NUMBER: CTL02036**  
**SITE NAME: CHESHIRE SW**

751 HIGGINS ROAD  
 CHESHIRE, CT 06410  
 NEW HAVEN COUNTY

550 COCHITUATE ROAD  
 FRAMINGHAM, MA 01701

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	04/04/23	ISSUED FOR PERMITTING	SD	AT	DPH
0	02/01/23	ISSUED FOR REVIEW	AT	AT	DPH
A	01/11/23	ISSUED FOR REVIEW	VD	AT	DPH

SCALE: AS SHOWN    DESIGNED BY: AT    DRAWN BY: VD

AT&T

TITLE SHEET  
 LTE 6C 2023 UPGRADE

SITE NUMBER	DRAWING NUMBER	REV
CTL02036	T-1	1

**GROUNDING NOTES**

1. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
2. 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.
3. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81 STANDARDS) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
4. METAL RACEWAY 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 POWER CIRCUITS TO BTS EQUIPMENT.
5. EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS AND #2 AWG STRANDED COPPER FOR OUTDOOR BTS.
6. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
7. APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
8. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO GROUND BAR.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
11. METAL CONDUIT SHALL BE MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
12. ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE OF 1/2 IN. OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING STEEL MUST HAVE IT BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID BARE TINNED COPPER GROUND WIRE, PER NEC 250.50

**GENERAL NOTES**

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:  
 CONTRACTOR – CENTERLINE  
 SUBCONTRACTOR – GENERAL CONTRACTOR (CONSTRUCTION)  
 OWNER – AT&T MOBILITY
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR 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.
4. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.
9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
11. SUBCONTRACTOR 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.
12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
13. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.

14. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
15. ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (Fy = 36 ksi) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (Fy = 36 ksi). ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. TOUCH UP ALL SCRATCHES AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERECTED USING A COMPATIBLE ZINC RICH PAINT.
16. CONSTRUCTION SHALL COMPLY WITH SPECIFICATIONS AND "GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF AT&T SITES."
17. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
19. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
20. **APPLICABLE BUILDING CODES:**  
 SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

**BUILDING CODE: IBC 2021 WITH 2022 CT STATE BUILDING CODE AMENDMENTS  
 ELECTRICAL CODE: 2020 NATIONAL ELECTRICAL CODE (NFPA 70-2020)**

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

**AMERICAN CONCRETE INSTITUTE (ACI) 318; BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE;**

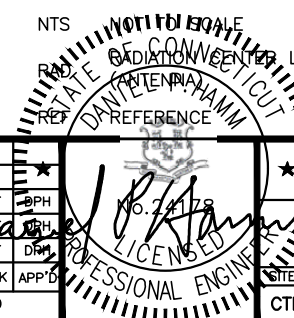
**AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION, ASD, FOURTEENTH EDITION;**

**TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-H, STRUCTURAL STANDARDS FOR STEEL**

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

**ABBREVIATIONS**

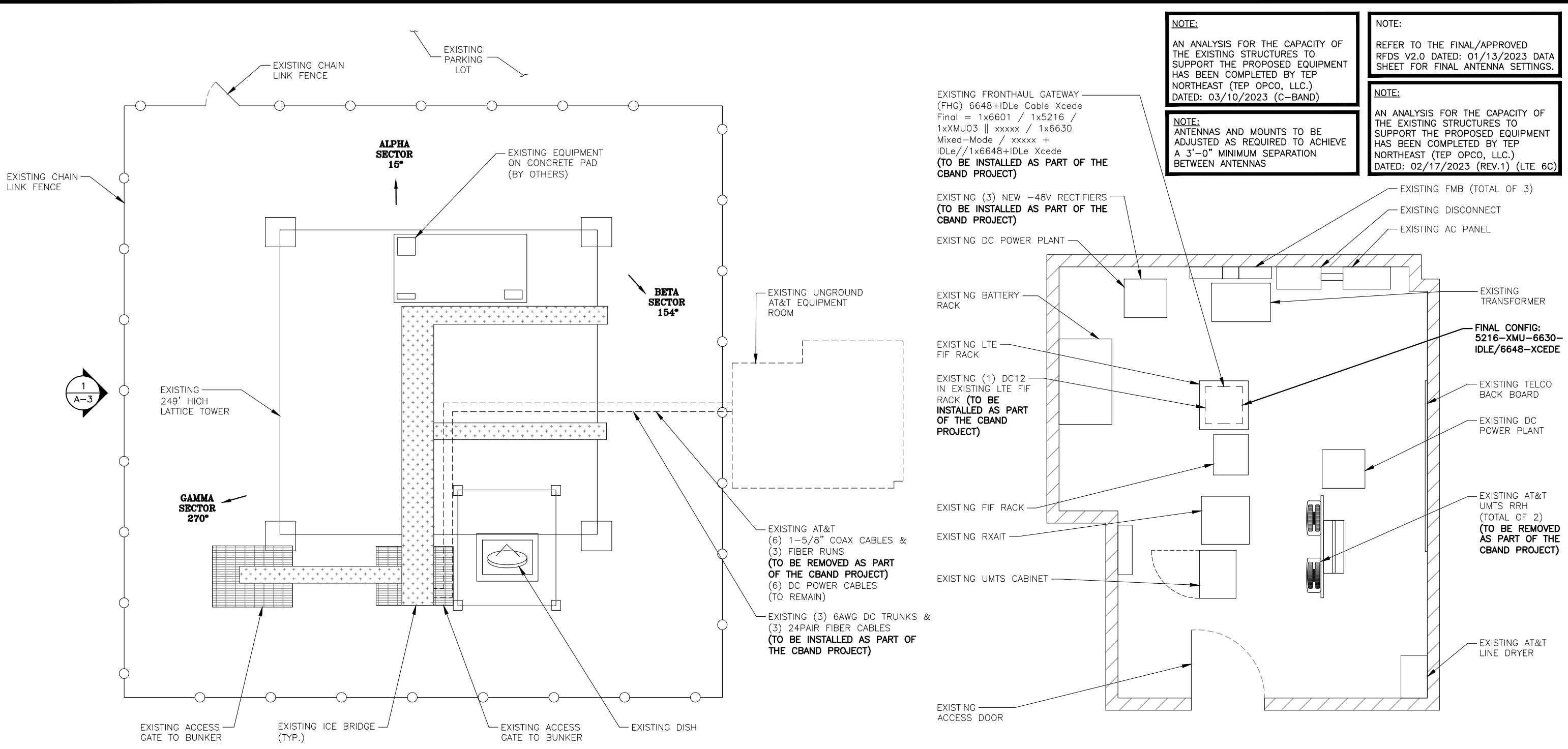
AGL	ABOVE GRADE LEVEL	EQ	EQUAL	REQ	REQUIRED
AWG	AMERICAN WIRE GAUGE	GC	GENERAL CONTRACTOR	RF	RADIO FREQUENCY
BBU	BATTERY BACKUP UNIT	GRC	GALVANIZED RIGID CONDUIT	TBD	TO BE DETERMINED
BTCW	BARE TINNED SOLID COPPER WIRE	MGB	MASTER GROUND BAR	TBR	TO BE REMOVED
BGR	BURIED GROUND RING	MIN	MINIMUM	TBRR	TO BE REMOVED AND REPLACED
BTS	BASE TRANSCEIVER STATION	P	PROPOSED	TYP	TYPICAL
E	EXISTING	NTS	NOT TO SCALE	UG	UNDER GROUND
EGB	EQUIPMENT GROUND BAR	RAD	RADIATION CENTER LINE	VIF	VERIFY IN FIELD
EGR	EQUIPMENT GROUND RING	REF	REFERENCE		



**SITE NUMBER: CTL02036  
 SITE NAME: CHESHIRE SW**  
  
 751 HIGGINS ROAD  
 CHESHIRE, CT 06410  
 NEW HAVEN COUNTY



1		04/04/23	ISSUED FOR PERMITTING	SO	AT	PH		AT&T GENERAL NOTES LTE 6C 2023 UPGRADE
0		02/01/23	ISSUED FOR REVIEW	VD	AT	PH		
A		01/11/23	ISSUED FOR REVIEW	VD	AT	PH		
NO.	DATE	REVISIONS		BY	CHK	APP'D		
SCALE: AS SHOWN				DESIGNED BY: AT	DRAWN BY: VD			
								SITE NUMBER: CTL02036 DRAWING NUMBER: GN-1 REV: 1



**NOTE:**  
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT HAS BEEN COMPLETED BY TEP NORTHEAST (TEP OPCO, LLC.) DATED: 03/10/2023 (C-BAND)

**NOTE:**  
REFER TO THE FINAL/APPROVED RFDS V2.0 DATED: 01/13/2023 DATA SHEET FOR FINAL ANTENNA SETTINGS.

**NOTE:**  
ANTENNAS AND MOUNTS TO BE ADJUSTED AS REQUIRED TO ACHIEVE A 3'-0" MINIMUM SEPARATION BETWEEN ANTENNAS

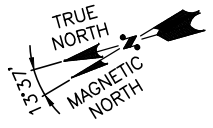
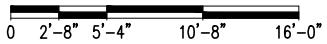
**NOTE:**  
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT HAS BEEN COMPLETED BY TEP NORTHEAST (TEP OPCO, LLC.) DATED: 02/17/2023 (REV.1) (LTE 6C)

**NOTE TO GENERAL CONTRACTOR: (PRIOR TO CONSTRUCTION COMPLETION)**

- TEP NORTHEAST (TEP OPCO, LLC.) TO PERFORM POST/CLIMB AND INSPECTION TO CONFIRM PROPOSED INSTALLATION COMPLIES WITH THE RECORD STAMPED DRAWINGS AND STRUCTURAL REPORTS PRIOR TO SUBMITTING FCCA (FINAL CONSTRUCTION CONTROL AFFIDAVIT). GC IS RESPONSIBLE FOR COORDINATING INSPECTIONS WITH TEP NORTHEAST (TEP OPCO, LLC.) PRIOR TO CONSTRUCTION BEING COMPLETED.



**COMPOUND PLAN**  
22x34 SCALE: 3/16"=1'-0"  
11x17 SCALE: 3/32"=1'-0"



**EQUIPMENT PLAN**  
22x34 SCALE: 1/2"=1'-0"  
11x17 SCALE: 1/4"=1'-0"



**TEP NORTHEAST**  
TEP OPCO, LLC.  
45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845  
TEL: (978) 557-5553

**CENTERLINE COMMUNICATIONS**  
750 WEST CENTER STREET, SUITE #301  
WEST BRIDGEWATER, MA 02379

**SITE NUMBER: CTL02036**  
**SITE NAME: CHESHIRE SW**  
  
751 HIGGINS ROAD  
CHESHIRE, CT 06410  
NEW HAVEN COUNTY

**at&t**  
550 COCHITUATE ROAD  
FRAMINGHAM, MA 01701

1	04/04/23	ISSUED FOR PERMITTING	SD	AT	DPH
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SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: VD		

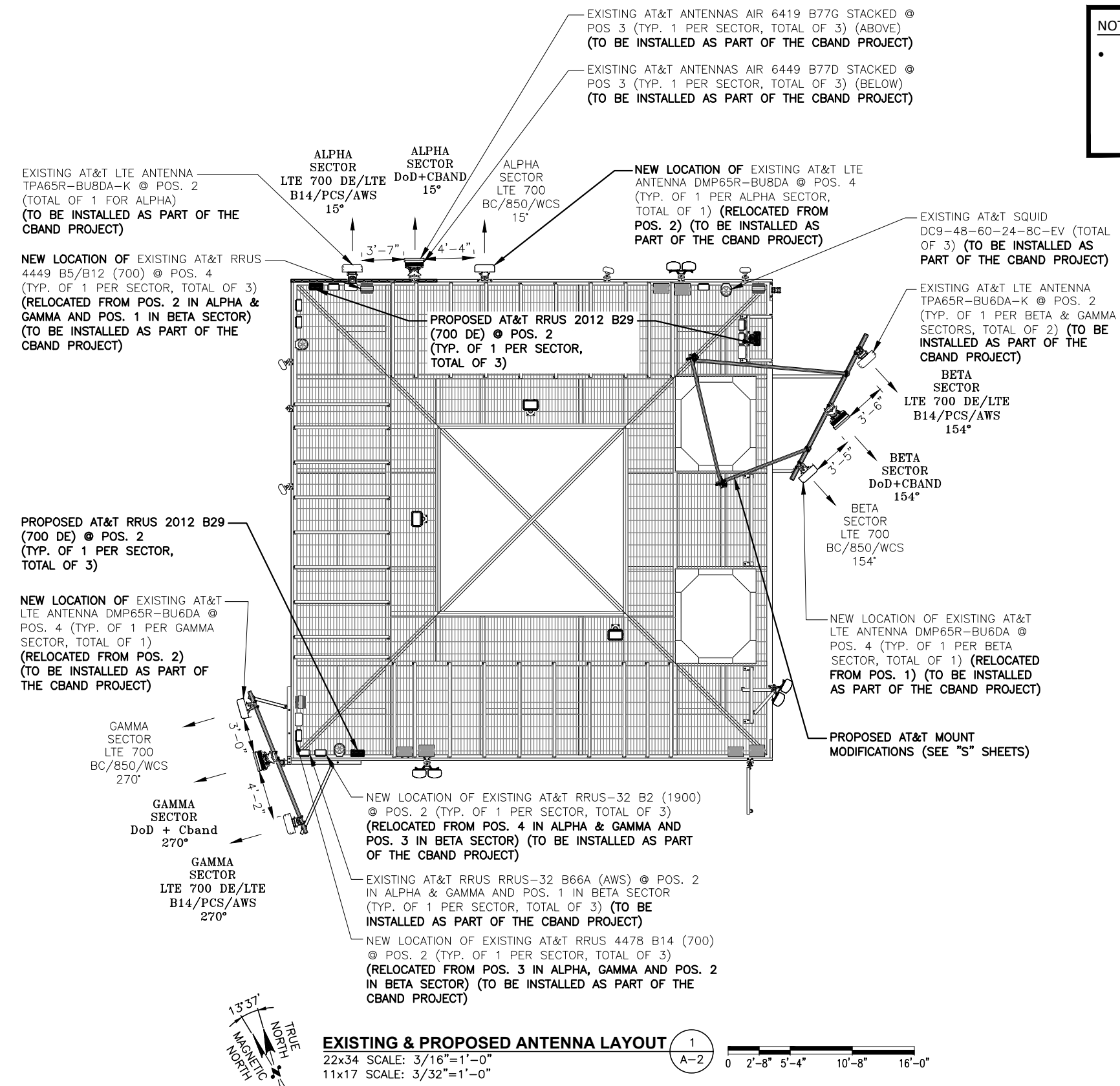


**AT&T**  
**COMPOUND & EQUIPMENT PLANS**  
**LTE 6C 2023 UPGRADE**  
SITE NUMBER: CTL02036  
DRAWING NUMBER: A-1  
REV: 1



**NOTE TO GENERAL CONTRACTOR: (PRIOR TO CONSTRUCTION COMPLETION)**

- TEP NORTHEAST (TEP OPCO, LLC.) TO PERFORM POST/CLIMB AND INSPECTION TO CONFIRM PROPOSED INSTALLATION COMPLIES WITH THE RECORD STAMPED DRAWINGS AND STRUCTURAL REPORTS PRIOR TO SUBMITTING FCCA (FINAL CONSTRUCTION CONTROL AFFIDAVIT). GC IS RESPONSIBLE FOR COORDINATING INSPECTIONS WITH TEP NORTHEAST (TEP OPCO, LLC.) PRIOR TO CONSTRUCTION BEING COMPLETED.

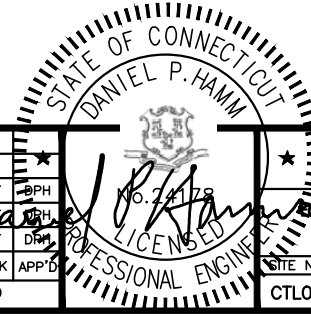


**NOTE:**  
REFER TO THE FINAL/APPROVED RFDS V2.0 DATED: 01/13/2023 DATA SHEET FOR FINAL ANTENNA SETTINGS.

**NOTE:**  
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT HAS BEEN COMPLETED BY TEP NORTHEAST (TEP OPCO, LLC.) DATED: 02/17/2023 (REV.1) (LTE 6C)

**NOTE:**  
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**NOTE:**  
ANTENNAS AND MOUNTS TO BE ADJUSTED AS REQUIRED TO ACHIEVE A 3'-0" MINIMUM SEPARATION BETWEEN ANTENNAS



**SITE NUMBER: CTL02036**  
**SITE NAME: CHESHIRE SW**

751 HIGGINS ROAD  
CHESHIRE, CT 06410  
NEW HAVEN COUNTY



NO.	DATE	REVISIONS	BY	CHK	APP'D
1	04/04/23	ISSUED FOR PERMITTING	SP	AT	PH
0	02/01/23	ISSUED FOR REVIEW	AV	AT	PH
A	01/11/23	ISSUED FOR REVIEW	VD	AT	PH

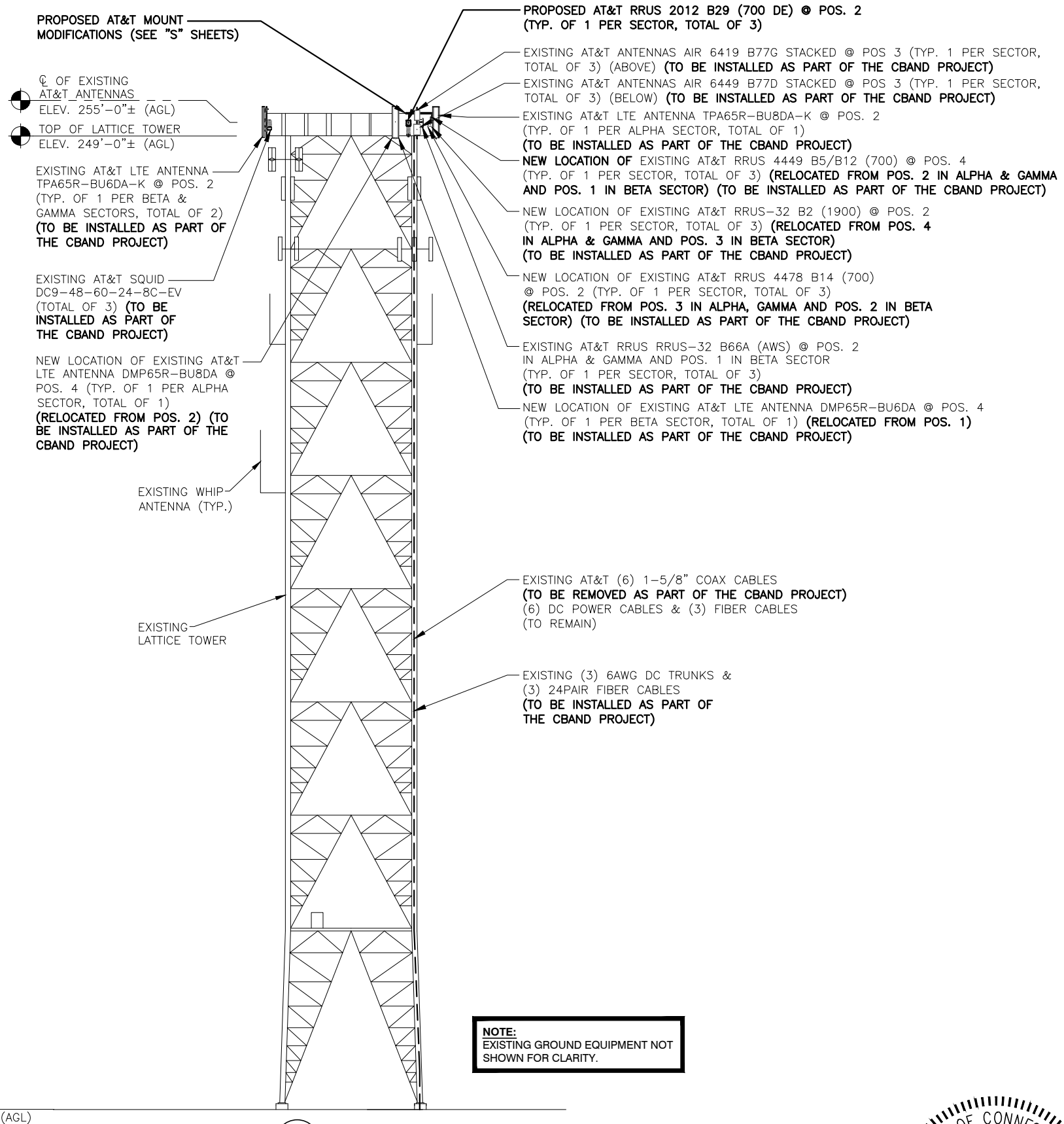
SCALE: AS SHOWN    DESIGNED BY: AT    DRAWN BY: VD

SITE NUMBER	DRAWING NUMBER	REV
CTL02036	A-2	1

AT&T  
EXISTING & PROPOSED ANTENNA LAYOUTS  
LTE 6C 2023 UPGRADE

**NOTE TO GENERAL CONTRACTOR: (PRIOR TO CONSTRUCTION COMPLETION)**

- TEP NORTHEAST (TEP OPCO, LLC.) TO PERFORM POST/CLIMB AND INSPECTION TO CONFIRM PROPOSED INSTALLATION COMPLIES WITH THE RECORD STAMPED DRAWINGS AND STRUCTURAL REPORTS PRIOR TO SUBMITTING FCCA (FINAL CONSTRUCTION CONTROL AFFIDAVIT). GC IS RESPONSIBLE FOR COORDINATING INSPECTIONS WITH TEP NORTHEAST (TEP OPCO, LLC.) PRIOR TO CONSTRUCTION BEING COMPLETED.



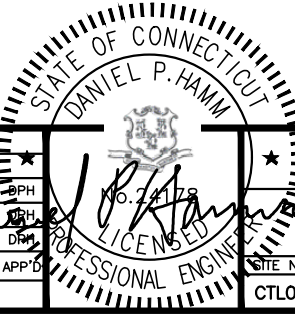
**NOTE:**  
EXISTING GROUND EQUIPMENT NOT SHOWN FOR CLARITY.

**NOTE:**  
REFER TO THE FINAL/APPROVED RFDS V2.0 DATED: 01/13/2023 DATA SHEET FOR FINAL ANTENNA SETTINGS.

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**NOTE:**  
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**TEP NORTHEAST**  
TEP OPCO, LLC.  
45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845  
TEL: (978) 557-5553

**CENTERLINE COMMUNICATIONS**  
750 WEST CENTER STREET, SUITE #301  
WEST BRIDGEWATER, MA 02379

**SITE NUMBER: CTL02036**  
**SITE NAME: CHESHIRE SW**  
  
751 HIGGINS ROAD  
CHESHIRE, CT 06410  
NEW HAVEN COUNTY

**at&t**  
550 COCHITUATE ROAD  
FRAMINGHAM, MA 01701

NO.	DATE	REVISIONS	BY	CHK	APP'D
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0	02/01/23	ISSUED FOR REVIEW	AT	VD	DPH
A	01/11/23	ISSUED FOR REVIEW	VD	AT	DPH

SCALE: AS SHOWN    DESIGNED BY: AT    DRAWN BY: VD

**AT&T**  
**ELEVATION**  
**LTE 6C 2023 UPGRADE**  
SITE NUMBER: CTL02036    DRAWING NUMBER: A-3    REV: 1

ANTENNA SCHEDULE											
SECTOR	EXISTING/ PROPOSED	BAND	ANTENNA	SIZE (INCHES) (L x W x D)	ANTENNA HEIGHT	AZIMUTH	TMA/ DIPLEXER	RRU	SIZE (INCHES) (L x W x D)	FEEDER	RAYCAP
A1	-	-	-	-	-	-	-	-	-	-	(E) (1) RAYCAP DC9-48-60-24-8C-EV
A2	EXSITING	LTE 700 DE/LTE B14/PCS/AWS	TPA65R-BU8DA-K	96"X20.7"X7.7"	255'-0"±	15°	-	(E)(1)RRUS-4478 B14 (700) (E)(1)RRUS-32 B2 (1900) (E)(1)RRUS-32 B66A (AWS) (P)(1) RRUS-2012 B29 (700 DE)	18.1"x13.4"x8.3"	(E)(2) DC POWER (E)(1) 6AWG DC POWER & (1) 24PAIR FIBER	
A3	EXSITING	DOD CBAND	AIR6419 B77G AIR6449 B77D	31.1"X16.1"X7.3" 30.4"X15.9"X8.1"	255'-0"±	15°	-	-	-	-	
A4	EXSITING	LTE 700 BC/850/WCS	DMP65R-BU8DA	96"X20.7"X7.7"	255'-0"±	15°	-	(E)(1)RRUS-4449 B5/B12 (700) (E)(1)RRUS-32 B30 (WCS)	-	(E)(1)(Y-CABLE)	
B1	-	-	-	-	-	-	-	-	-	-	(E) (1) RAYCAP DC9-48-60-24-8C-EV
B2	EXSITING	LTE 700 DE/LTE B14/PCS/AWS	TPA65R-BU8DA-K	96"X20.7"X7.7"	255'-0"±	154°	-	(E)(1)RRUS-4478 B14 (700) (E)(1)RRUS-32 B2 (1900) (E)(1)RRUS-32 B66A (AWS) (P)(1) RRUS-2012 B29 (700 DE)	18.1"x13.4"x8.3"	(E)(2) DC POWER (E)(1) 6AWG DC POWER & (1) 24PAIR FIBER	
B3	EXSITING	DOD CBAND	AIR6419 B77G AIR6449 B77D	31.1"X16.1"X7.3" 30.4"X15.9"X8.1"	255'-0"±	154°	-	-	-	-	
B4	EXSITING	LTE 700 BC/850/WCS	DMP65R-BU8DA	96"X20.7"X7.7"	255'-0"±	154°	-	(E)(1)RRUS-4449 B5/B12 (700) (E)(1)RRUS-32 B30 (WCS)	-	(E)(1)(Y-CABLE)	
C1	-	-	-	-	-	-	-	-	-	-	(E) (1) RAYCAP DC9-48-60-24-8C-EV
C2	EXSITING	LTE 700 DE/LTE B14/PCS/AWS	TPA65R-BU8DA-K	96"X20.7"X7.7"	255'-0"±	270°	-	(E)(1)RRUS-4478 B14 (700) (E)(1)RRUS-32 B2 (1900) (E)(1)RRUS-32 B66A (AWS) (P)(1) RRUS-2012 B29 (700 DE)	18.1"x13.4"x8.3"	(E)(2) DC POWER (E)(1) 6AWG DC POWER & (1) 24PAIR FIBER	
C3	EXSITING	DOD CBAND	AIR6419 B77G AIR6449 B77D	31.1"X16.1"X7.3" 30.4"X15.9"X8.1"	255'-0"±	270°	-	-	-	-	
C4	EXSITING	LTE 700 BC/850/WCS	DMP65R-BU8DA	96"X20.7"X7.7"	255'-0"±	270°	-	(E)(1)RRUS-4449 B5/B12 (700) (E)(1)RRUS-32 B30 (WCS)	-	(E)(1)(Y-CABLE)	

NOTE:  
REFER TO THE FINAL/APPROVED RFDS V2.0 DATED: 01/13/2023 DATA SHEET FOR FINAL ANTENNA SETTINGS.

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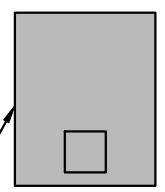
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NOTE:  
ANTENNAS AND MOUNTS TO BE ADJUSTED AS REQUIRED TO ACHIEVE A 3'-0" MINIMUM SEPARATION BETWEEN ANTENNAS

RRU CHART		
QUANTITY	MODEL	SIZE (L x W x D)
P(3)	2012 B29 (700 DE)	18.1"x13.4"x8.3"
E(3)	4478 B14 (700)	18.1"x13.4"x8.3"
E(3)	RRUS-32 B2 (1900)	27.2"x12.1"x7.0"
E(3)	RRUS-32 B66 (AWS)	27.2"x12.1"x7.0"
E(3)	4449 B5/B12 (700)	17.9"x13.2"x10.4"
E(3)	RRUS-32 B30 (WCS)	27.2"x12.1"x7.0"

NOTE:  
MOUNT PER MANUFACTURER'S SPECIFICATIONS

NOTE:  
SEE RFDS FOR RRH FREQUENCY AND MODEL NUMBER



PROPOSED RRU REFER TO THE FINAL RFDS AND CHART FOR QUANTITY, MODEL AND DIMENSIONS

NOTE:  
MOUNT PER MANUFACTURER'S SPECIFICATIONS.

PROPOSED RRUS DETAIL 2  
SCALE: N.T.S. A-4

FINAL ANTENNA SCHEDULE 1  
SCALE: N.T.S. A-4

NOTE TO GENERAL CONTRACTOR: (PRIOR TO CONSTRUCTION COMPLETION)

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751 HIGGINS ROAD  
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SCALE: AS SHOWN DESIGNED BY: AT DRAWN BY: VD

AT&T  
DETAILS  
LTE 6C 2023 UPGRADE

PROFESSIONAL ENGINEER  
No. 74175  
STATE OF MASSACHUSETTS

SITE NUMBER	DRAWING NUMBER	REV
CTL02036	A-4	1

**STRUCTURAL NOTES:**

- DESIGN REQUIREMENTS ARE PER STATE BUILDING CODE AND APPLICABLE SUPPLEMENTS, INTERNATIONAL BUILDING CODE, EIA/TIA-222-H STRUCTURAL STANDARDS FOR STEEL ANTENNA, TOWERS AND ANTENNA SUPPORTING STRUCTURES.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND ENGINEER OF RECORD.
- DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A992 (Fy=50 ksi), MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A36 UNLESS OTHERWISE INDICATED.
- STEEL PIPE SHALL CONFORM TO ASTM A500 "COLD-FORMED WELDED & SEAMLESS CARBON STEEL STRUCTURAL TUBING", GRADE B, OR ASTM A53 PIPE STEEL BLACK AND HOT-DIPPED ZINC-COATED WELDED AND SEAMLESS TYPE E OR S, GRADE B. PIPE SIZES INDICATED ARE NOMINAL. ACTUAL OUTSIDE DIAMETER IS LARGER.
- STRUCTURAL CONNECTION BOLTS SHALL BE HIGH STRENGTH BOLTS (BEARING TYPE) AND CONFORM TO ASTM A325 TYPE-X "HIGH STRENGTH BOLTS FOR STRUCTURAL JOINTS, INCLUDING SUITABLE NUTS AND PLAIN HARDENED WASHERS". ALL BOLTS SHALL BE 3/4" DIA UON.
- ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS OTHERWISE NOTED.
- ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
- FIELD WELDS, DRILL HOLES, SAW CUTS AND ALL DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED WITH AN ORGANIC ZINC REPAIR PAINT COMPLYING WITH REQUIREMENTS OF ASTM A780. GALVANIZING REPAIR PAINT SHALL HAVE 65 PERCENT ZINC BY WEIGHT, ZIRP BY DUNCAN GALVANIZING, GALVA BRIGHT PREMIUM BY CROWN OR EQUAL. THICKNESS OF APPLIED GALVANIZING REPAIR PAINT SHALL BE NOT LESS THAN 4 COATS (ALLOW TIME TO DRY BETWEEN COATS) WITH A RESULTING COATING THICKNESS REQUIRED BY ASTM A123 OR A153 AS APPLICABLE.
- CONTRACTOR SHALL COMPLY WITH AWS CODE FOR PROCEDURES, APPEARANCE AND QUALITY OF WELDS, AND FOR METHODS USED IN CORRECTING WELDING. ALL WELDERS AND WELDING PROCESSES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS "STANDARD QUALIFICATION PROCEDURES". ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND D.I. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "STEEL CONSTRUCTION MANUAL". 14TH EDITION.
- INCORRECTLY FABRICATED, DAMAGED OR OTHERWISE MISFITTING OR NON-CONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE CONSTRUCTION MANAGER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE CONSTRUCTION MANAGER APPROVAL.
- UNISTRUT SHALL BE FORMED STEEL CHANNEL STRUT FRAMING AS MANUFACTURED BY UNISTRUT CORP., WAYNE, MI OR EQUAL. STRUT MEMBERS SHALL BE 1 5/8"x1 5/8"x12GA, UNLESS OTHERWISE NOTED, AND SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
- EPOXY ANCHOR ASSEMBLY SHALL CONSIST OF STAINLESS STEEL ANCHOR ROD WITH NUTS & WASHERS. AN INTERNALLY THREADED INSERT, A SCREEN TUBE AND A EPOXY ADHESIVE. THE ANCHORING SYSTEM SHALL BE THE HILTI-HIT HY-270 AND OR HY-200 SYSTEMS (AS SPECIFIED IN DWG.) OR ENGINEERS APPROVED EQUAL.
- EXPANSION BOLTS SHALL CONFORM TO FEDERAL SPECIFICATION FF-S-325, GROUP II, TYPE 4, CLASS I, HILTI KWIK BOLT III OR APPROVED EQUAL. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- LUMBER SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION AND THE NATIONAL FOREST PRODUCTS ASSOCIATION'S NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION. ALL LUMBER SHALL BE PRESSURE TREATED AND SHALL BE STRUCTURAL GRADE NO. 2 OR BETTER.
- WHERE ROOF PENETRATIONS ARE REQUIRED, THE CONTRACTOR SHALL CONTACT AND COORDINATE RELATED WORK WITH THE BUILDING OWNER AND THE EXISTING ROOF INSTALLER. WORK SHALL BE PERFORMED IN SUCH A MANNER AS TO NOT VOID THE EXISTING ROOF WARRANTY. ROOF SHALL BE WATERTIGHT.
- ALL FIBERGLASS MEMBERS USED ARE AS MANUFACTURED BY STRONGWELL COMPANY OF BRISTOL, VA 24203. ALL DESIGN CRITERIA FOR THESE MEMBERS IS BASED ON INFORMATION PROVIDED IN THE DESIGN MANUAL. ALL REQUIREMENTS PUBLISHED IN SAID MANUAL MUST BE STRICTLY ADHERED TO.
- NO MATERIALS TO BE ORDERED AND NO WORK TO BE COMPLETED UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED IN WRITING.
- SUBCONTRACTOR SHALL FIREPROOF ALL STEEL TO PRE-EXISTING CONDITIONS.

**SPECIAL INSPECTIONS (REFERENCE IBC CHAPTER 17):**

**GENERAL:** WHERE APPLICATION IS MADE FOR CONSTRUCTION, THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PERFORM INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THE INSPECTION CHECKLIST ABOVE.

THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND ENGINEERS OF RECORD INVOLVED IN THE DESIGN OF THE PROJECT ARE PERMITTED TO ACT AS THE APPROVED AGENCY AND THEIR PERSONNEL ARE PERMITTED TO ACT AS THE SPECIAL INSPECTOR FOR THE WORK DESIGNED BY THEM, PROVIDED THOSE PERSONNEL MEET THE QUALIFICATION REQUIREMENTS.

STATEMENT OF SPECIAL INSPECTIONS: THE APPLICANT SHALL SUBMIT A STATEMENT OF SPECIAL INSPECTIONS PREPARED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE IN ACCORDANCE WITH SECTION 107.1 AS A CONDITION FOR ISSUANCE. THIS STATEMENT SHALL BE IN ACCORDANCE WITH SECTION 1705.

REPORT REQUIREMENT: SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS SHALL BE SUBMITTED.

SPECIAL INSPECTION CHECKLIST	
<b>BEFORE CONSTRUCTION</b>	
CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
<b>REQUIRED</b>	ENGINEER OF RECORD APPROVED SHOP DRAWINGS <sup>1</sup>
N/A	MATERIAL SPECIFICATIONS REPORT <sup>2</sup>
N/A	FABRICATOR NDE INSPECTION
N/A	PACKING SLIPS <sup>3</sup>
ADDITIONAL TESTING AND INSPECTIONS:	
<b>DURING CONSTRUCTION</b>	
CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
<b>REQUIRED</b>	STEEL INSPECTIONS
N/A	HIGH STRENGTH BOLT INSPECTIONS
N/A	HIGH WIND ZONE INSPECTIONS <sup>4</sup>
N/A	FOUNDATION INSPECTIONS
N/A	CONCRETE COMP. STRENGTH, SLUMP TESTS AND PLACEMENT
N/A	POST INSTALLED ANCHOR VERIFICATION <sup>5</sup>
N/A	GROUT VERIFICATION
N/A	CERTIFIED WELD INSPECTION
N/A	EARTHWORK: LIFT AND DENSITY
N/A	ON SITE COLD GALVANIZING VERIFICATION
N/A	GUY WIRE TENSION REPORT
ADDITIONAL TESTING AND INSPECTIONS:	
<b>AFTER CONSTRUCTION</b>	
CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
<b>REQUIRED</b>	MODIFICATION INSPECTOR REDLINE OR RECORD DRAWINGS <sup>6</sup>
N/A	POST INSTALLED ANCHOR PULL-OUT TESTING
<b>REQUIRED</b>	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

**NOTES:**

- REQUIRED FOR ANY NEW SHOP FABRICATED FRP OR STEEL.
- PROVIDED BY MANUFACTURER, REQUIRED IF HIGH STRENGTH BOLTS OR STEEL.
- PROVIDED BY GENERAL CONTRACTOR; PROOF OF MATERIALS.
- HIGH WIND ZONE INSPECTION CATB 120MPH OR CAT C,D 110MPH INSPECT FRAMING OF WALLS, ANCHORING, FASTENING SCHEDULE.
- ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 308.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 308.4 TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES DRILLED USING A CARBIDE BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-11 D.9.2.2. INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-11 D.8.2.4.
- AS REQUIRED; FOR ANY FIELD CHANGES TO THE ITEMS IN THIS TABLE.

**NOTES:**

- ALL CONNECTIONS TO BE SHOP WELDED & FIELD BOLTED USING 3/4" A325-X BOLTS, UNLESS OTHERWISE NOTIFIED.
- SHOP DRAWING ENGINEER REVIEW & APPROVAL REQUIRED BEFORE ORDERING MATERIAL.
- SHOP DRAWING ENGINEER REVIEW & APPROVAL REQUIRED PRIOR TO STEEL FABRICATION.
- VERIFICATION OF EXISTING ROOF CONSTRUCTION IS REQUIRED PRIOR TO THE INSTALLATION OF THE ROOF PLATFORM. ENGINEER OF RECORD IS TO APPROVE EXISTING CONDITIONS IN ORDER TO MOVE FORWARD.
- CENTERLINE OF PROPOSED STEEL PLATFORM SUPPORT COLUMNS TO BE CENTRALLY LOCATED OVER THE EXISTING BUILDING COLUMNS.
- EXISTING BRICK MASONRY COLUMNS/BEARING TO BE REPAIRED/REPLACED AT ALL PROPOSED PLATFORM SUPPORT POINTS. ENGINEER OF RECORD TO REVIEW AND APPROVE.

TEP NORTHWEST  
TEP OP CO, LLC  
45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845  
TEL: (978) 557-5553

CENTERLINE COMMUNICATIONS  
750 WEST CENTER STREET, SUITE #301  
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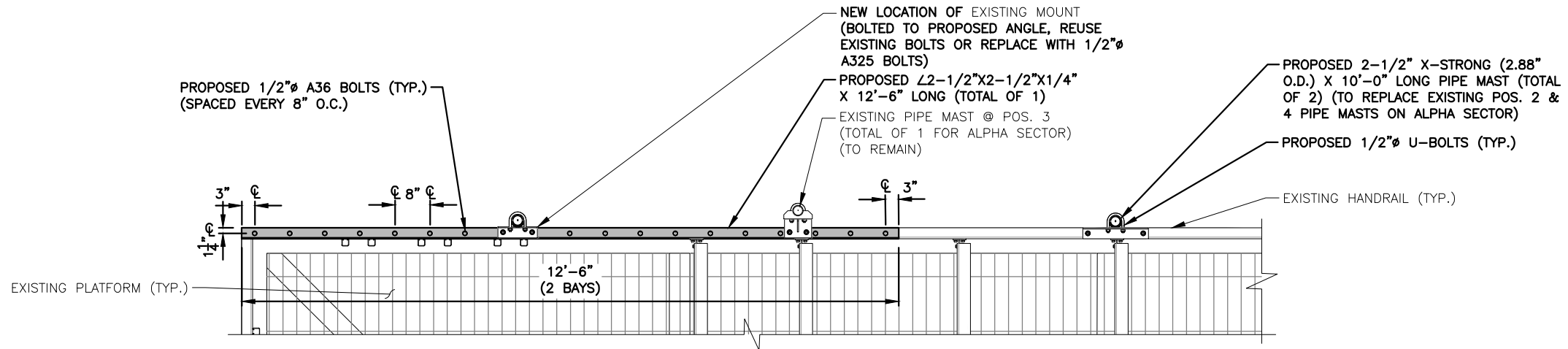
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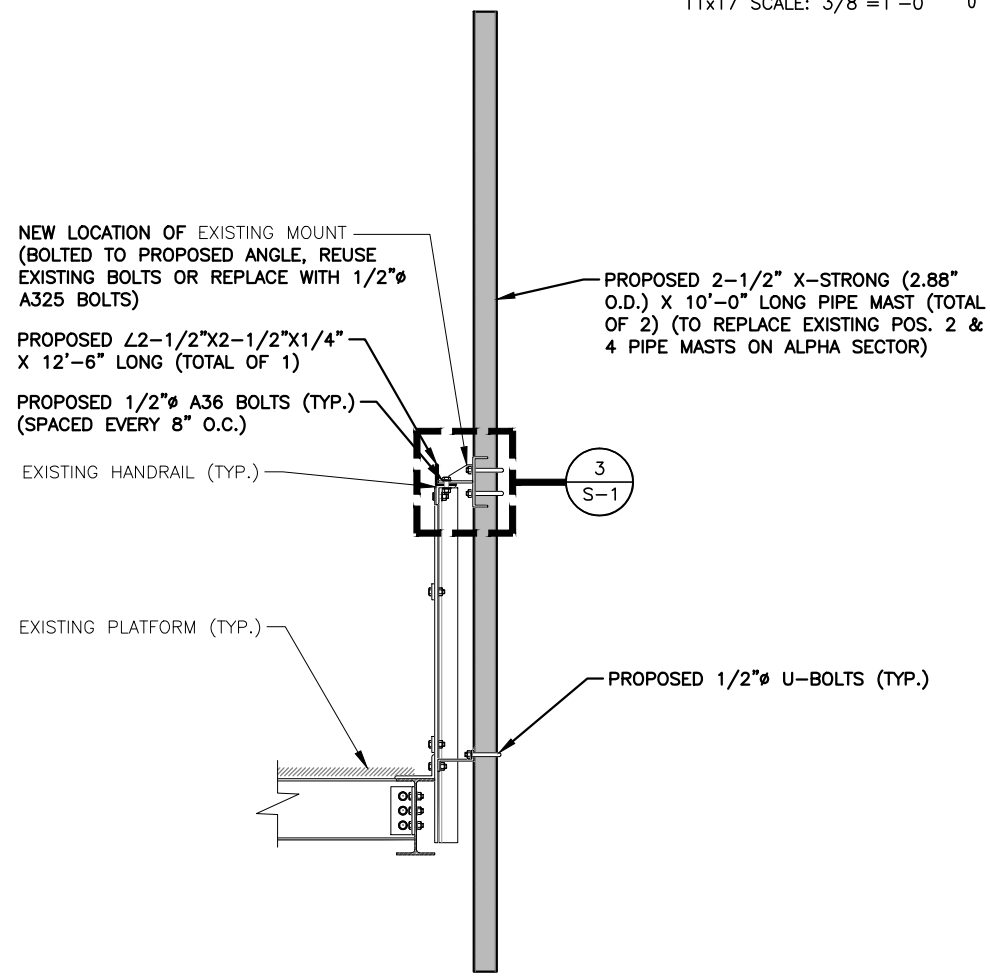
AT&T

STRUCTURAL NOTES  
LTE 6C 2023 UPGRADE

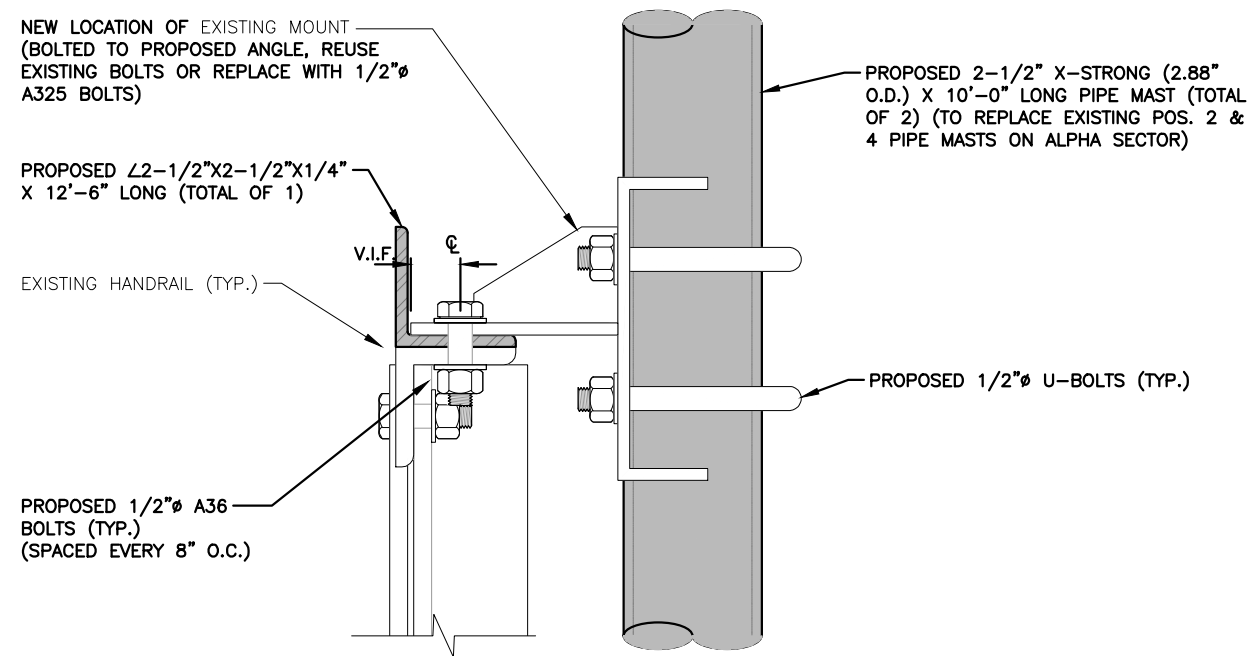
SITE NUMBER	DRAWING NUMBER	REV
CTL02036	SN-1	1



**PROPOSED ALPHA SECTOR MOUNT MODIFICATIONS PLAN VIEW**  
 22x34 SCALE: 3/4"=1'-0"  
 11x17 SCALE: 3/8"=1'-0" 0 8" 1'-4" 2'-8" 4'-0" 1 S-1



**PROPOSED ALPHA SECTOR MOUNT MODIFICATIONS SIDE VIEW**  
 22x34 SCALE: 1"=1'-0"  
 11x17 SCALE: 1/2"=1'-0" 0 0'-6" 1'-0" 2'-0" 3'-0" 2 S-1



**PROPOSED ALPHA SECTOR MOUNT CONNECTION DETAIL**  
 22x34 SCALE: 6"=1'-0"  
 11x17 SCALE: 3"=1'-0" 0 0'-1" 0'-2" 0'-4" 0'-6" 3 S-1

**NOTE TO GENERAL CONTRACTOR: (PRIOR TO CONSTRUCTION COMPLETION)**

- TEP NORTHEAST (TEP OPCO, LLC.) TO PERFORM POST/CLIMB AND INSPECTION TO CONFIRM PROPOSED INSTALLATION COMPLIES WITH THE RECORD STAMPED DRAWINGS AND STRUCTURAL REPORTS PRIOR TO SUBMITTING FCCA (FINAL CONSTRUCTION CONTROL AFFIDAVIT). GC IS RESPONSIBLE FOR COORDINATING INSPECTIONS WITH TEP NORTHEAST (TEP OPCO, LLC.) PRIOR TO CONSTRUCTION BEING COMPLETED.

**NOTE:**  
 REFER TO THE FINAL/APPROVED RFDS V2.0 DATED: 01/13/2023 DATA SHEET FOR FINAL ANTENNA SETTINGS.

**NOTE:**  
 AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT HAS BEEN COMPLETED BY TEP NORTHEAST (TEP OPCO, LLC.) DATED: 02/17/2023 (REV.1) (LTE 6C)

**NOTE:**  
 AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT HAS BEEN COMPLETED BY TEP NORTHEAST (TEP OPCO, LLC.) DATED: 03/10/2023 (C-BAND)

**NOTE:**  
 ANTENNAS AND MOUNTS TO BE ADJUSTED AS REQUIRED TO ACHIEVE A 3'-0" MINIMUM SEPARATION BETWEEN ANTENNAS



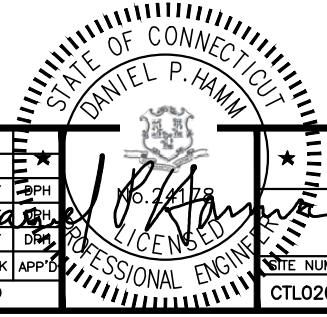
**SITE NUMBER: CTL02036**  
**SITE NAME: CHESHIRE SW**

751 HIGGINS ROAD  
 CHESHIRE, CT 06410  
 NEW HAVEN COUNTY



NO.	DATE	REVISIONS	BY	CHK	APP'D
1	04/04/23	ISSUED FOR PERMITTING	VD	AT	PH
0	02/01/23	ISSUED FOR REVIEW	VD	AT	PH
A	01/11/23	ISSUED FOR REVIEW	VD	AT	PH

SCALE: AS SHOWN DESIGNED BY: AT DRAWN BY: VD



AT&T

STRUCTURAL DETAILS  
 LTE 6C 2023 UPGRADE

SITE NUMBER	DRAWING NUMBER	REV
CTL02036	S-1	1

**NOTE:**  
REFER TO THE FINAL/APPROVED RFDS V2.0 DATED: 01/13/2023 DATA SHEET FOR FINAL ANTENNA SETTINGS.

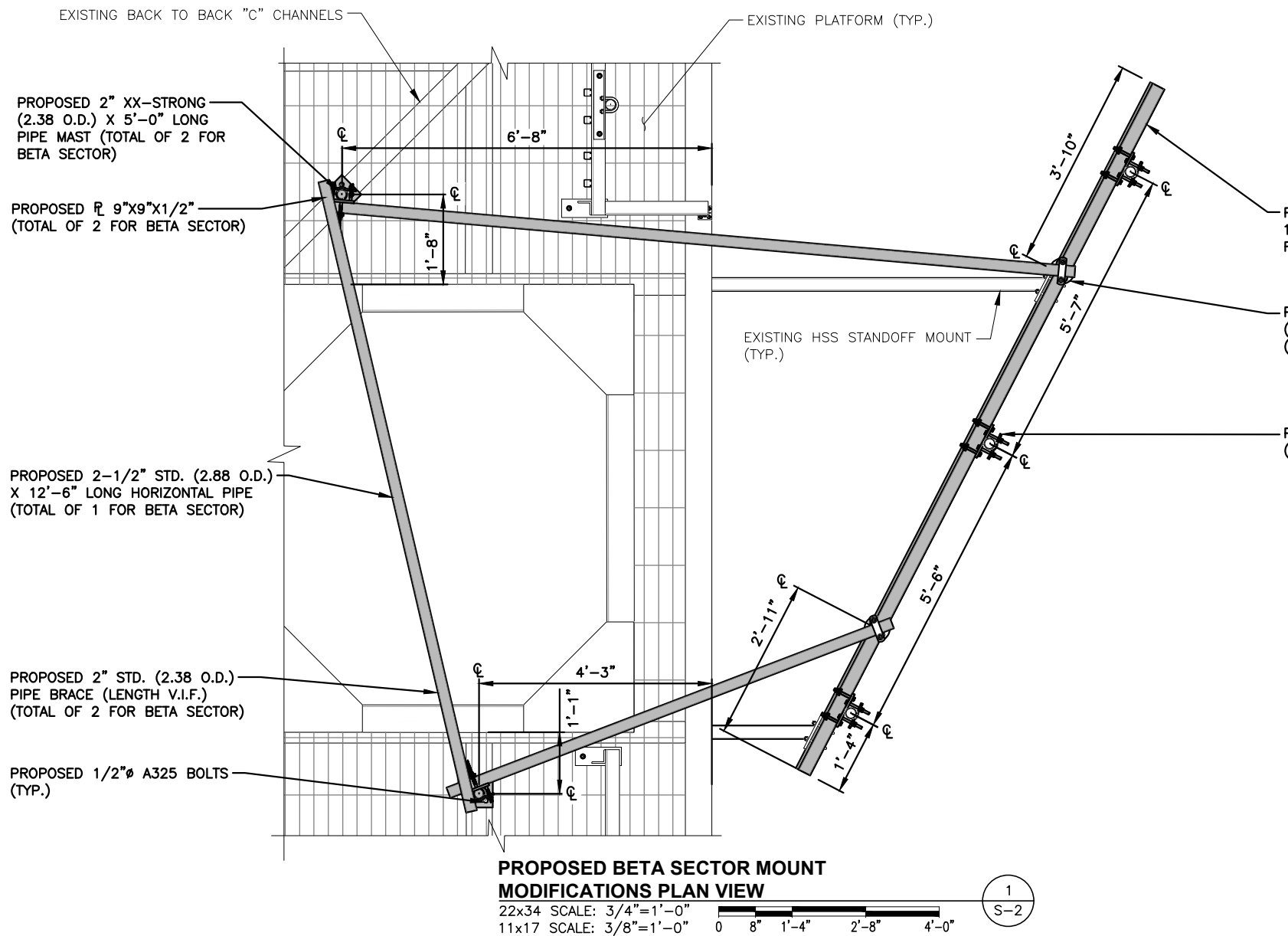
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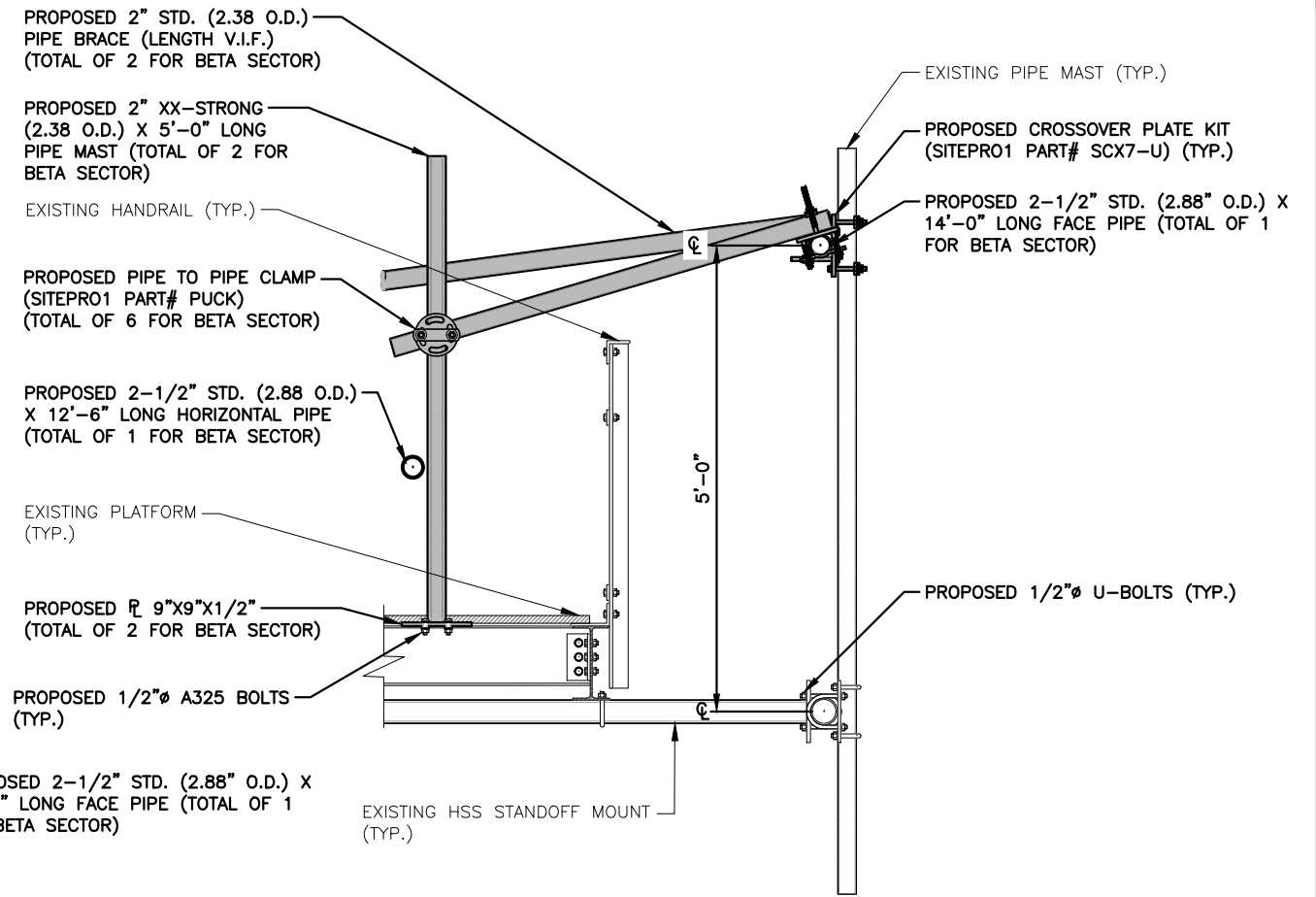
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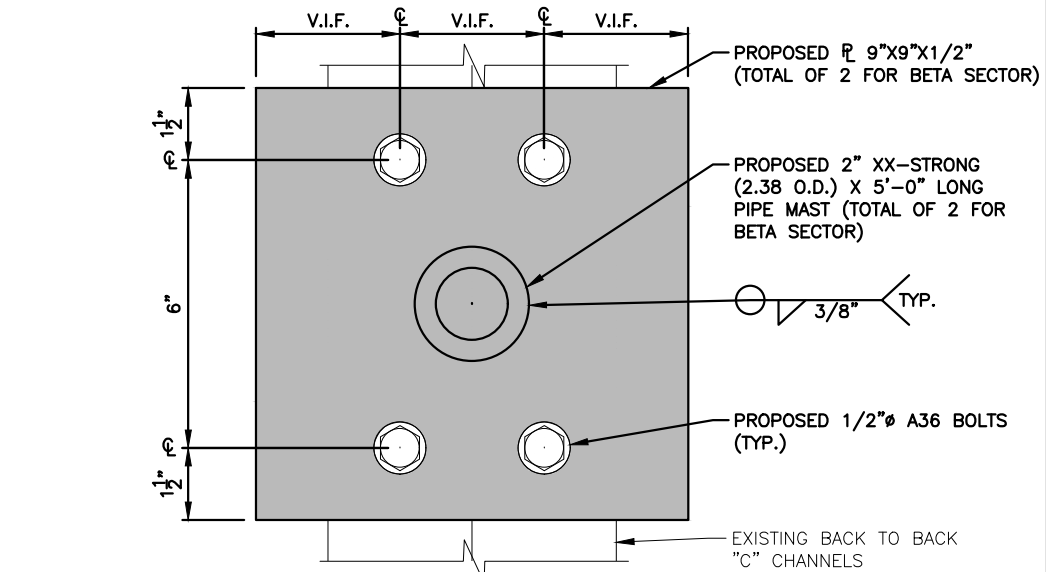


**PROPOSED BETA SECTOR MOUNT MODIFICATIONS PLAN VIEW**  
22x34 SCALE: 3/4"=1'-0"  
11x17 SCALE: 3/8"=1'-0"  
1 S-2



**PROPOSED BETA SECTOR MOUNT MODIFICATIONS SIDE VIEW**

22x34 SCALE: 1"=1'-0"  
11x17 SCALE: 1/2"=1'-0"  
2 S-2



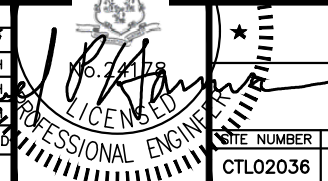
**PROPOSED BETA SECTOR STUB-UP CONNECTION DETAIL**  
22x34 SCALE: 6"=1'-0"  
11x17 SCALE: 3"=1'-0"  
3 S-2



**SITE NUMBER: CTL02036**  
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1	04/04/23	ISSUED FOR PERMITTING	SO	AT	PH
0	02/01/23	ISSUED FOR REVIEW	VD	AT	PH
A	01/11/23	ISSUED FOR REVIEW	VD	AT	PH
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: VD		



<b>AT&amp;T</b>	
STRUCTURAL DETAILS LTE 6C 2023 UPGRADE	
SITE NUMBER	DRAWING NUMBER
CTL02036	S-2
	REV
	1

**NOTE TO GENERAL CONTRACTOR: (PRIOR TO CONSTRUCTION COMPLETION)**

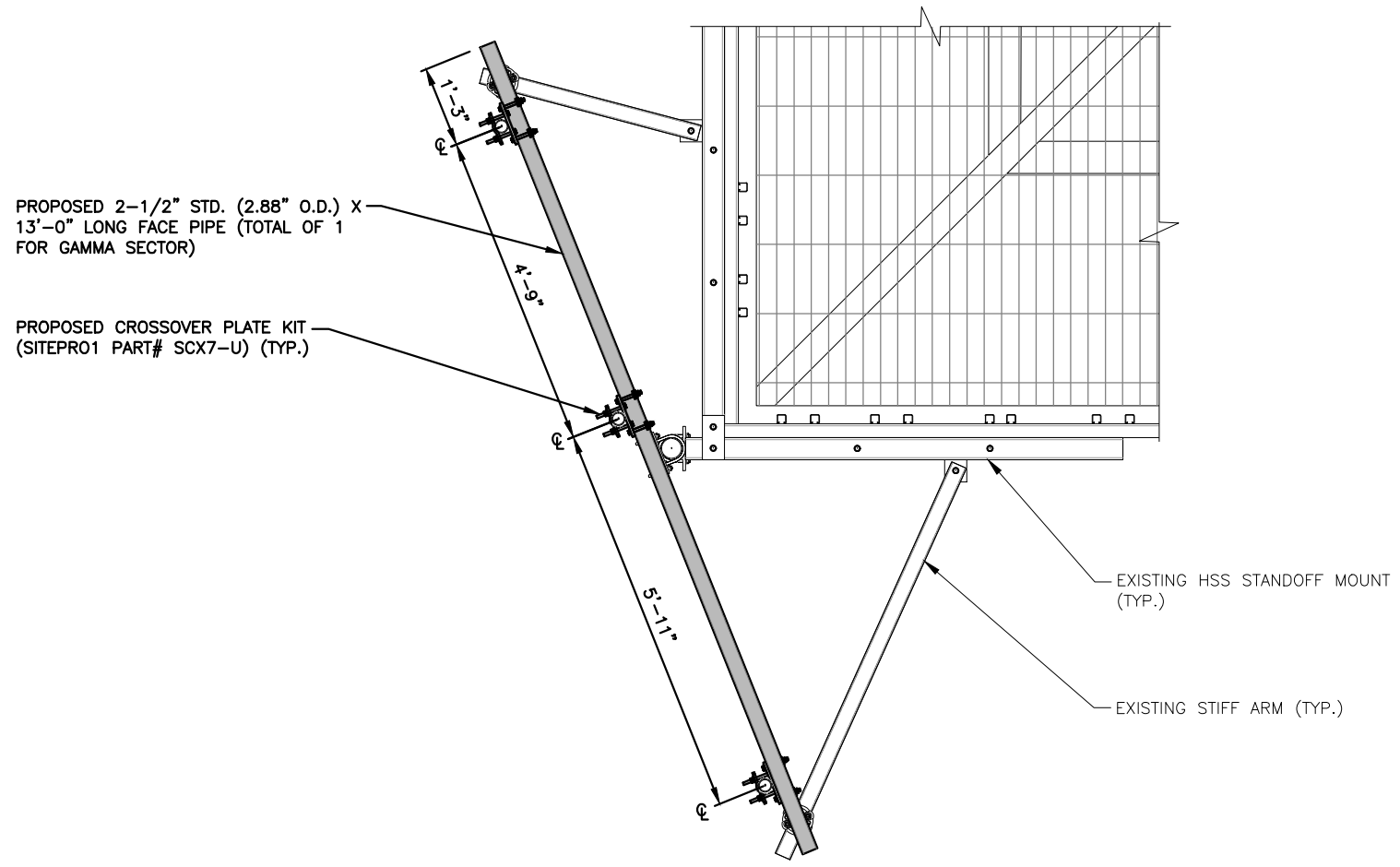
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**NOTE:**  
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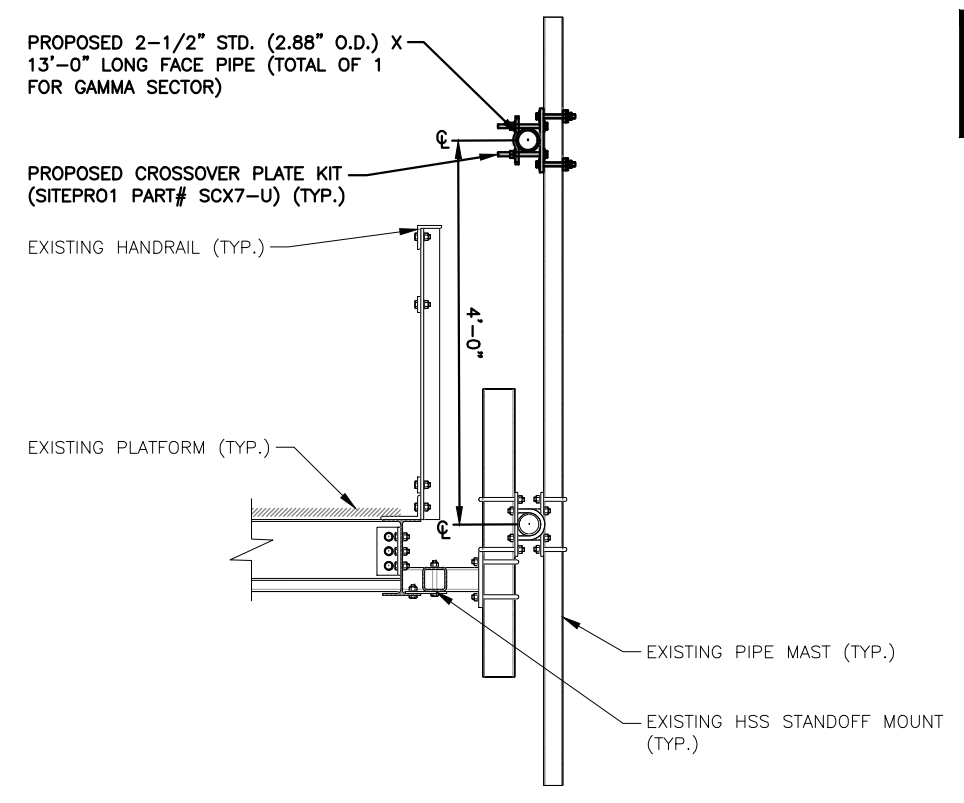
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**NOTE:**  
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**NOTE:**  
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**PROPOSED GAMMA SECTOR MOUNT MODIFICATIONS PLAN VIEW**  
22x34 SCALE: 3/4"=1'-0"  
11x17 SCALE: 3/8"=1'-0" 1  
S-3



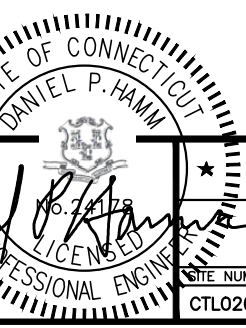
**PROPOSED GAMMA SECTOR MOUNT MODIFICATIONS SIDE VIEW**  
22x34 SCALE: 1"=1'-0"  
11x17 SCALE: 1/2"=1'-0" 2  
S-3



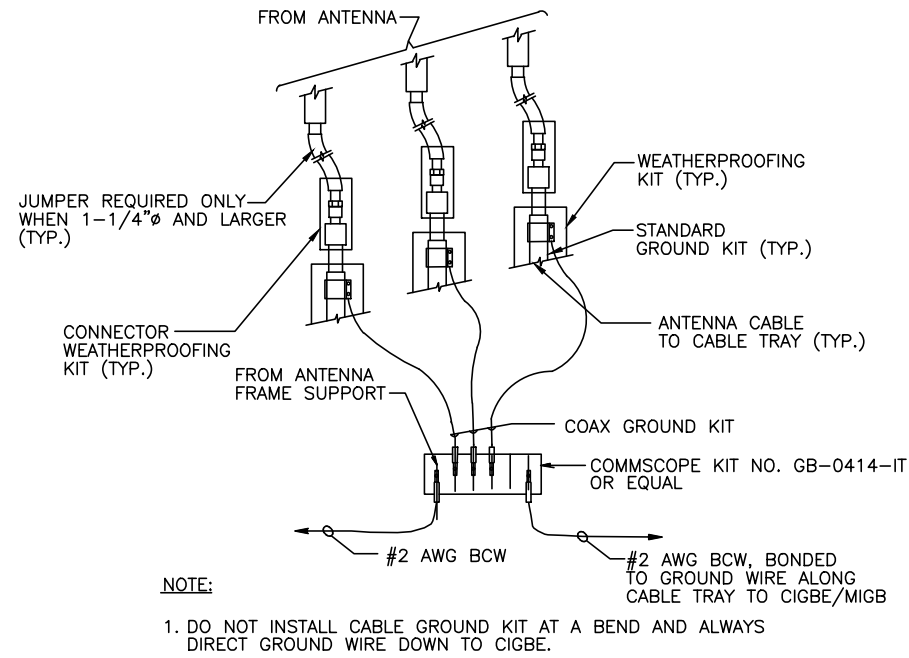
**SITE NUMBER: CTL02036**  
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751 HIGGINS ROAD  
CHESHIRE, CT 06410  
NEW HAVEN COUNTY



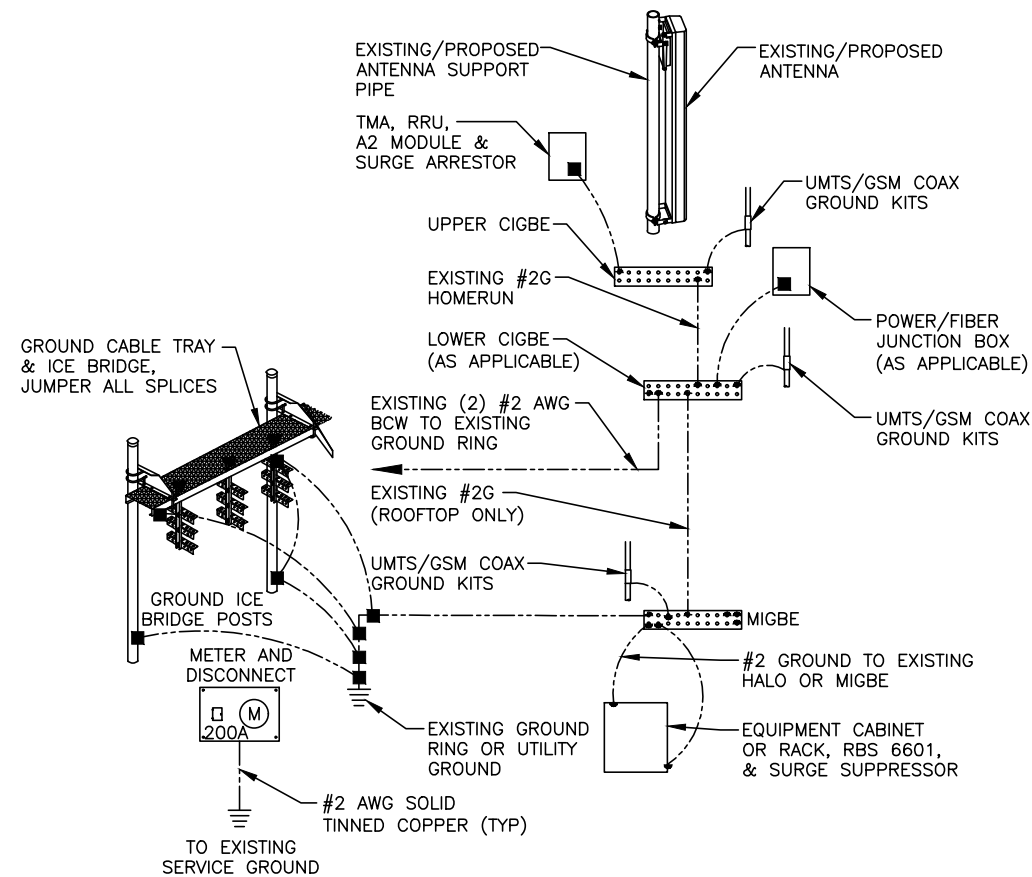
NO.	DATE	REVISIONS	BY	CHK	APP'D
1	04/04/23	ISSUED FOR PERMITTING	VD	AT	PH
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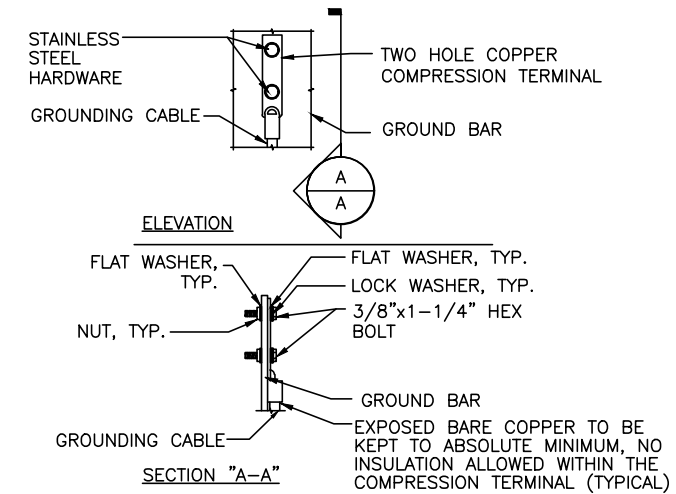
AT&T		
STRUCTURAL DETAILS LTE 6C 2023 UPGRADE		
SITE NUMBER	DRAWING NUMBER	REV
CTL02036	S-3	1



**GROUND WIRE TO GROUND BAR CONNECTION DETAIL** 1  
SCALE: N.T.S. G-1



**GROUNDING RISER DIAGRAM** 2  
SCALE: N.T.S. G-1



- NOTES:
- "DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.
  - OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATION.
  - CADWELD DOWNLEADS FROM UPPER EGB, LOWER EGB, AND MGB

**TYPICAL GROUND BAR CONNECTION DETAIL** 3  
SCALE: N.T.S. G-1

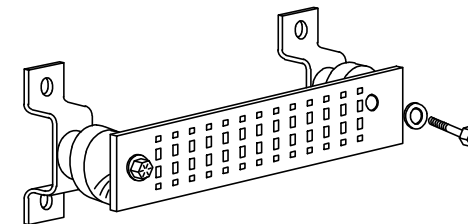
EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

**SECTION "P" - SURGE PRODUCERS**

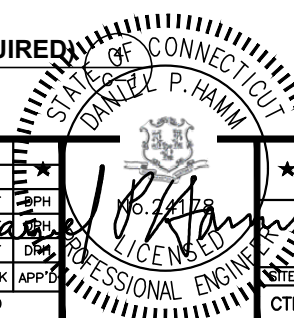
- CABLE ENTRY PORTS (HATCH PLATES) (#2 AWG)
- GENERATOR FRAMEWORK (IF AVAILABLE) (#2 AWG)
- TELCO GROUND BAR
- COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (#2 AWG)
- +24V POWER SUPPLY RETURN BAR (#2 AWG)
- 48V POWER SUPPLY RETURN BAR (#2 AWG)
- RECTIFIER FRAMES.

**SECTION "A" - SURGE ABSORBERS**

- INTERIOR GROUND RING (#2 AWG)
- EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (#2 AWG)
- METALLIC COLD WATER PIPE (IF AVAILABLE) (#2 AWG)
- BUILDING STEEL (IF AVAILABLE) (#2 AWG)



**GROUND BAR - DETAIL (AS REQUIRED)**  
SCALE: N.T.S.



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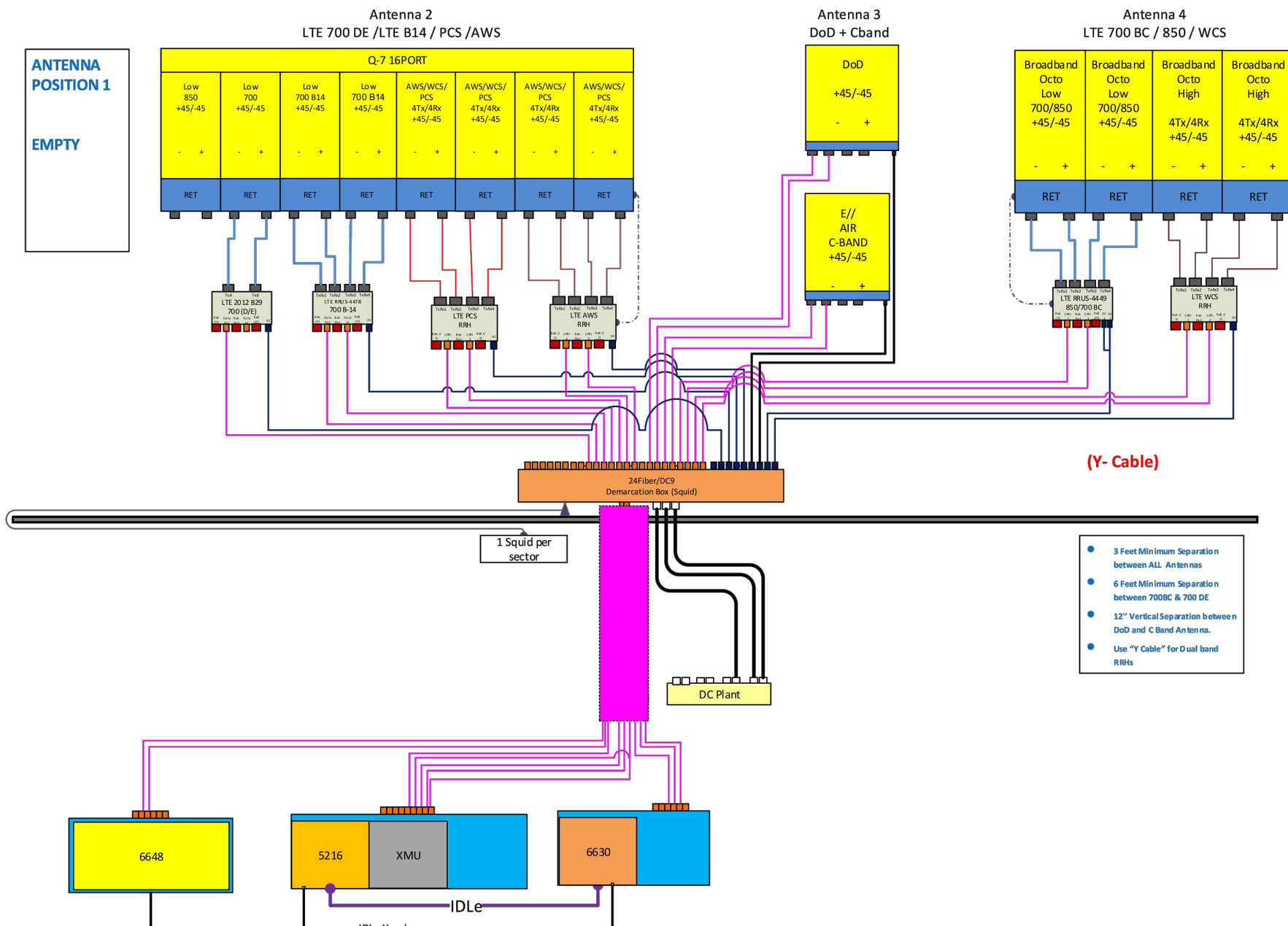
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0	02/01/23	ISSUED FOR REVIEW	VD	AT	PH					
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NO.	DATE	REVISIONS	BY	CHK	APP'D					

SITE NUMBER		DRAWING NUMBER		REV	
CTL02036		G-1		1	

AT&T  
GROUNDING DETAILS  
LTE 6C 2023 UPGRADE





**NOTE:**  
 1. CONTRACTOR TO CONFIRM ALL PARTS.  
 2. INSTALL ALL EQUIPMENT TO MANUFACTURER'S RECOMMENDATIONS

**NOTE:**  
 REFER TO THE FINAL/APPROVED RFDS V2.0 DATED: 01/13/2023 DATA SHEET FOR FINAL ANTENNA SETTINGS.

**RF PLUMBING DIAGRAM**  
 SCALE: N.T.S

1  
RF-1



**SITE NUMBER: CTL02036**  
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NO.	DATE	ISSUED FOR PERMITTING	SG	AT	DPH
0	02/01/23	ISSUED FOR REVIEW	DO	AT	DPH
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NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: VD		

<b>AT&amp;T</b>		
<b>RF PLUMBING DIAGRAM</b>		
<b>LTE 6C 2023 UPGRADE</b>		
SITE NUMBER	DRAWING NUMBER	REV
CTL02036	RF-1	1