



AT&T SITE ID:	CRAN_RCTB_00073_665
SITE ADDRESS:	15 WALNUT RD SOUTH HAMILTON, MA 01982
USID#:	330492
FA#:	16278664
IWM:	WSCBT0026332, WSCBT0026334, WSCBT0029503
PTN:	2101A19EQJ, 2101A1FWJ5, 2101A1GN4W
LATITUDE:	42.610641
LONGITUDE:	-70.873906
COUNTY:	ESSEX
STRUCTURE TYPE:	UTILITY POLE
POLE OWNER:	NATIONAL GRID

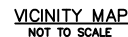
PROPOSED:

- (1) GQ2418-B6941
- (1) 4890 RRU
- (1) 4490 RRU
- (1) 6308 PSU
- (1) 48" ERICSSON SHROUD
- (1) PTS90121-6E AC DISTRIBUTION PANEL

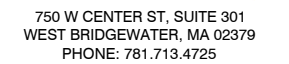
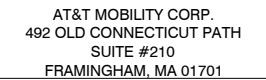
1. INSTALLATION OF ANTENNA AND ASSOCIATED EQUIPMENT ON AN EXISTING UTILITY POLE.
2. THIS IS AN UNMANNED AND RESTRICTED ACCESS EQUIPMENT SITE AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF IMPROVING CELLULAR AND WIRELESS INTERNET SERVICE.
3. AT&T MAINTENANCE CREW (TYPICALLY ONE PERSON) WILL MAKE AN AVERAGE OF ONE TRIP PER MONTH AT ONE HOUR PER VISIT.

A&E / PROJECT MANAGER:
CENTERLINE ENGINEERING SERVICES, PA
750 WEST CENTER ST, SUITE 301
WEST BRIDGEWATER, MA 02379
PHONE 781.713.4725

APPLICANT:
AT&T MOBILITY CORP.
492 OLD CONNECTICUT PATH
SUITE #210
FRAMINGHAM, MA 01701



1. 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 PURPOSE OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
2. 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.
3. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE AT&T REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

[illegible]

1	08/26/25	S&S FOR CX
0	05/05/25	ISSUED FOR REVIEW
NO.	DATE	DESCRIPTION

DESIGNED BY: TG	APPROVED BY: DC
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CLUSTER & NODE #:	TBD
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AT&T SITE ID:
CRAN_RCTB_00073_665

SITE ADDRESS:
15 WALNUT RD
SOUTH HAMILTON, MA 01982
ESSEX COUNTY

PROJECT TYPE:	UTILITY POLE
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SHEET TITLE: TITLE SHEET

DRAWING #:	T-1	REVISION:	1
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GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR – CENTERLINE COMMUNICATIONS
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. TOUCHUP 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 MOBILITY 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. 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 2015 & MA STATE BUILDING 780 CMR 9TH EDITION
ELECTRICAL CODE: 2020 NATIONAL ELECTRICAL CODE
LIGHTNING CODE: NFPA 780-2020

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-G, STRUCTURAL STANDARDS FOR STEEL

ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES; REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC ELECTRICAL STANDARDS.

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.

GROUNDING NOTES

1. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTING 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 ERICSSON 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, LIGHTING 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) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 25 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, 2 AWG STRANDED COPPER FOR OUTDOOR BTS.

6. COMPRESSION CLAMP 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 CONDUCTORS 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 SHEAR CLAMP CONNECTION USING #2 AWG SOLID BARE TINNED COPPER GROUND WIRE, PER NEC 250.50.

ABBREVIATIONS

AGL	ABOVE GRADE LEVEL	EQ	GENERAL CONTRACTOR	REQ	REQUIRED
AWG	AMERICAN WIRE GAUGE	GC	MASTER GROUND BUS	RF	RADIO FREQUENCY
BBU	BATTERY BACKUP UNIT	MIN	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	N.T.S.	NOT TO SCALE	UG	UNDERGROUND
EGB	EQUIPMENT GROUND BAR	RAD	RADIATION CENTER LINE (ANTENNA)	VIF	VERIFY IN FIELD
EGR	EQUIPMENT GROUND RING	REF	REFERENCE		



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PHONE: 781.713.4725

REVISIONS		
1	08/26/25	S&S FOR CX
0	05/05/25	ISSUED FOR REVIEW
NO	DATE	DESCRIPTION

DESIGNED BY:
TG

APPROVED BY:
DC



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TBD

AT&T SITE ID:
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SITE ADDRESS:
15 WALNUT RD
SOUTH HAMILTON, MA 01982
ESSEX COUNTY

PROJECT TYPE:
UTILITY POLE

SHEET TITLE:
GENERAL NOTES

DRAWING #:
GN-1

REVISION:
1

APPROXIMATE LAT: 42.610641° N
COORDINATES: LONG: -70.873906° W

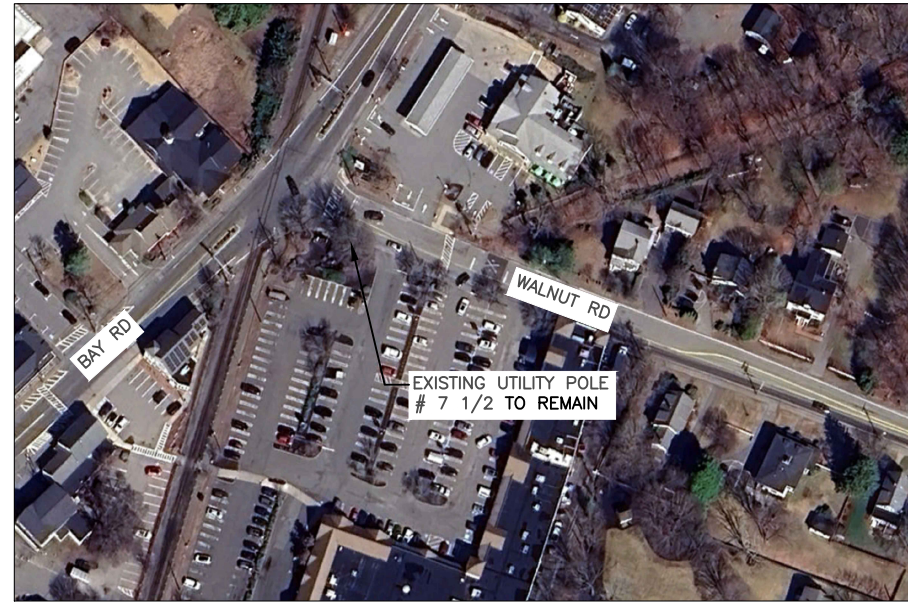
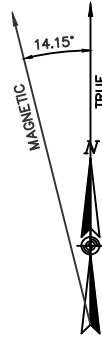
TOP OF PROPOSED ANTENNA
ELEV. 30'-6"± (AGL)
CL OF PROPOSED ANTENNA
ELEV. 29'-6"± (AGL)
TOP OF EXISTING POLE
ELEV. 27'-6"± (AGL)
PROPOSED SECONDARY POWER
ELEV. 25'-5"± (AGL)
PROPOSED WEATHERHEAD
ELEV. 25'-0"± (AGL)

EXISTING COMM. AND DOWN GUY
ELEV. 20'-2"± (AGL)
PROPOSED FIBER
ELEV. 19'-2"± (AGL)

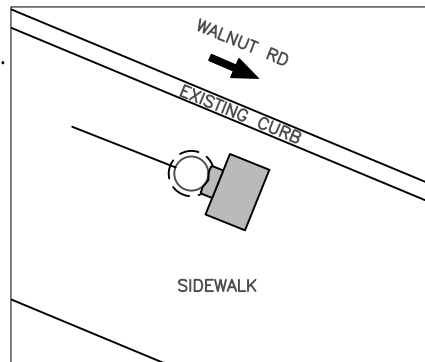
GROUND LEVEL
ELEV. 0'-0"± (AGL)

PROPOSED 5/8"x8' COPPER
CLAD GROUND ROD (TYP.)
12' MIN.

PROPOSED ANTENNA
PROPOSED POLE TOP
MOUNTING BRACKET
PROPOSED SECONDARY
PROPOSED WEATHERHEAD
PROPOSED (1) 2" UV RATED
U-GUARD FOR FIBER CABLES.
PROPOSED FIBER
PROPOSED (3) #6 AWG (1) #8 AWG GND
WIRES INSIDE PROPOSED (1) UV RATED 1" MIN.
SCH. 40 PVC CONDUIT. CONDUIT SHALL BE
SECURE BY TWO HOLE STRAPS AT BOTH ENDS
OF EVERY 10' SECTION OF CONDUIT
PROPOSED DEMARK BOX, BY FIBER
PROVIDER. CONNECTED TO FIBER ABOVE BY
FIBER PROVIDER
PROPOSED EQUIPMENT CABINET
WITH RRHs
PROPOSED (1) 60A 2-POLE PAD-LOCKABLE
DISCONNECT SWITCH FUSED AND (1) 50A
2-POLE CIRCUIT BREAKER
PROPOSED 60A METER/BREAKER METER SOCKET
WITH BY PASS (BY OTHERS). USE ANCHOR STYLE
BOTTOM FEED METER/BREAKER COMBO OR
EQUIVALENT (METER SHALL NOT BE MOUNTED ON
STREET SIDE)
EXISTING POLE #7 1/2 TO REMAIN
PROPOSED (1) 1/2" UV RATED CONDUIT
FOR #2 AWG COPPER GROUND.
GROUND ROD(S) SHALL BE INSTALLED IN
UNDISTURBED SOIL, 12" MIN. FROM THE POLE.
TOP OF GROUND ROD(S) SHALL BE 24" MIN.
BELOW FINISHED GRADE OR 6" BELOW FROST
LINE. THE POLE GROUND SHALL HAVE A MAXIMUM
RESISTANCE OF 25 OHMS.



KEY PLAN
N.T.S.

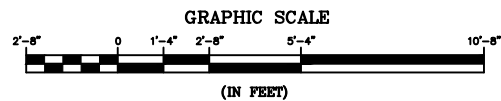


EQUIPMENT ORIENTATION
N.T.S.



EXISTING PHOTO
N.T.S.

NORTHEAST ELEVATION
SCALE: 3/8" = 1'-0" (22"x34")
3/16" = 1'-0" (11"x17")



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WEST BRIDGEWATER, MA 02379
PHONE: 781.713.4725

REVISIONS		
NO	DATE	DESCRIPTION
1	08/26/25	S&S FOR CX
0	05/05/25	ISSUED FOR REVIEW

DESIGNED BY: TG	APPROVED BY: DC
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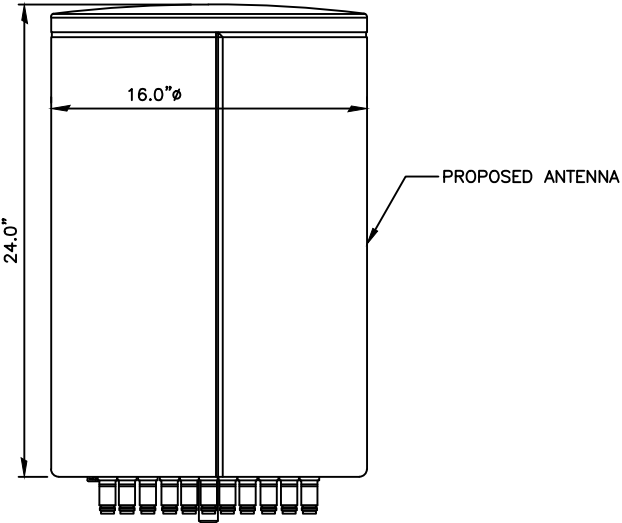


CLUSTER & NODE #:	TBD
AT&T SITE ID:	CRAN_RCTB_00073_665
SITE ADDRESS:	15 WALNUT RD SOUTH HAMILTON, MA 01982 ESSEX COUNTY
PROJECT TYPE:	UTILITY POLE

SHEET TITLE:	ELEVATION & KEY PLAN
DRAWING #:	A-1
REVISION:	1

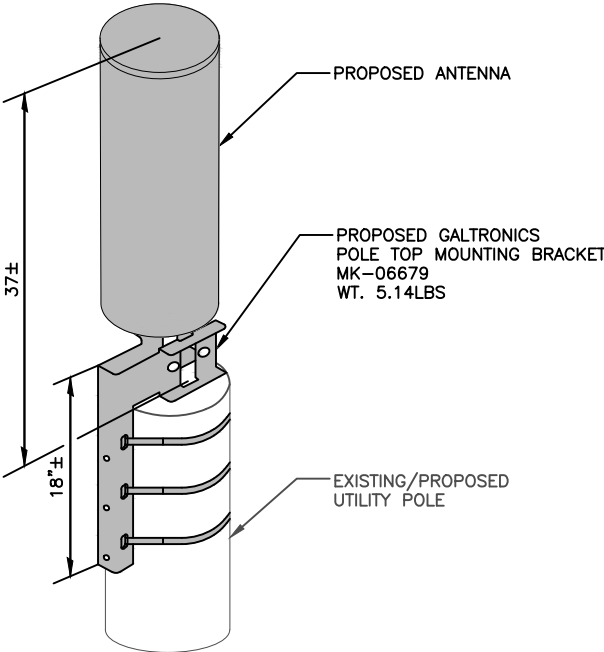
ANTENNA CHART					
MFG	MODEL	H	D	WEIGHT	VOLUME
GALTRONICS	GQ2418-B6941 (OR EQUAL)	24.0"	16.0"	25.6 LBS.	2.34CU. FT.

NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.



ANTENNA DETAIL
N.T.S.

NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.



ANTENNA MOUNT DETAIL
N.T.S.

RRU CHART					
QUANTITY	MODEL	L	W	D	WEIGHT
1(P)	4490	17.5"	15.1"	6.8"	68 LBS.
1(P)	4890	17.5"	15.2"	6.9"	68 LBS.

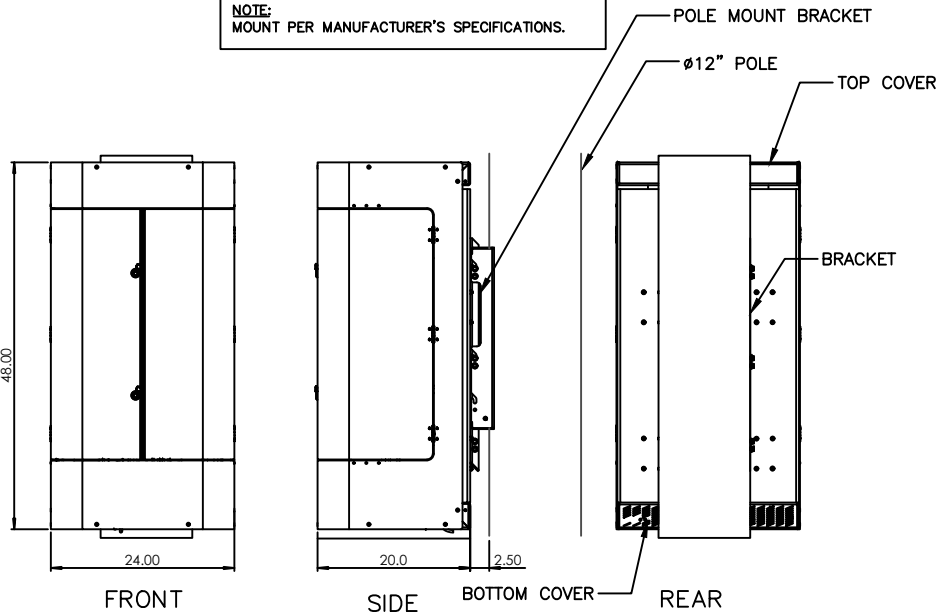
NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.



RRH DETAIL
N.T.S.

EQUIPMENT CABINET						
MFG	MODEL	H	W	D	WEIGHT	VOLUME
ERICSSON	BFL901770	48.0"	24.0"	20.0"	75.0 LBS.	13.33 CU. FT.

NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.



EQUIPMENT CABINET DETAIL
N.T.S.

METER SOCKET						
MFG	MODEL	H	W	D	WEIGHT	VOLUME
MILBANK	U2272-RL-5T9-BL	18.5"	10.0"	4.8"	16.25 LBS.	.51 CU. FT.



METER SOCKET DETAIL
N.T.S.



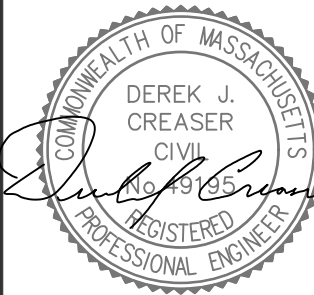
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SHEET TITLE: EQUIPMENT DETAILS	
DRAWING #: A-2	REVISION: 1



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SHEET TITLE: EQUIPMENT DETAILS	
DRAWING #: A-3	REVISION: 1

POWER SUPPLY UNIT							
QUANTITY	MFG	MODEL	H	W	D	WEIGHT	VOLUME
1 (P)	ERICSSON	6308	15.2"	13.5"	4.3"	33 LBS.	.69 CU. FT.



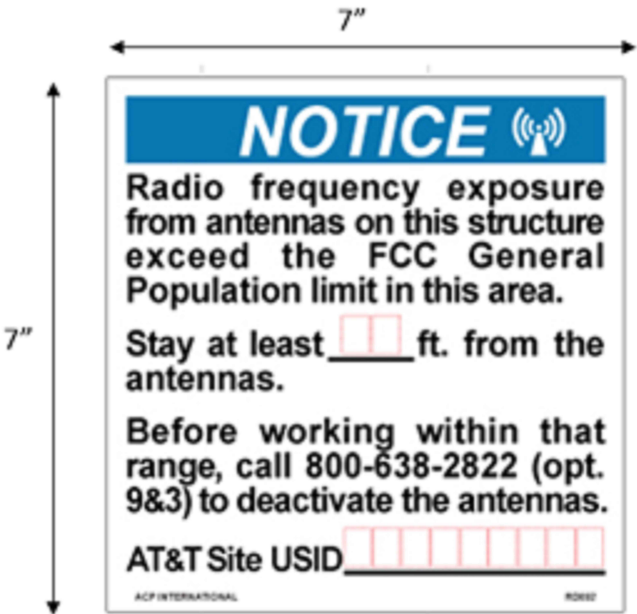
POWER SUPPLY UNIT DETAIL
N.T.S.

AC DISTRIBUTION PANEL					
MFG	MODEL	H	W	D	WEIGHT
PTS	PTS90121-6E	10.2"	6.1"	5.3"	7 LBS.

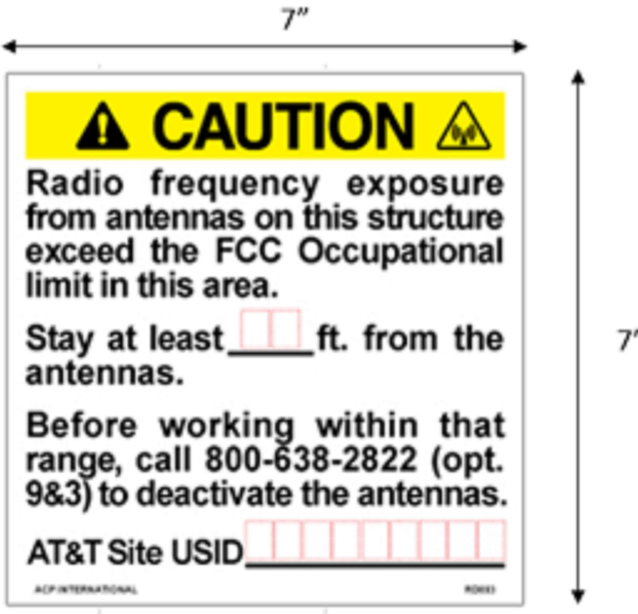


DISTRIBUTION PANEL DETAIL
N.T.S.

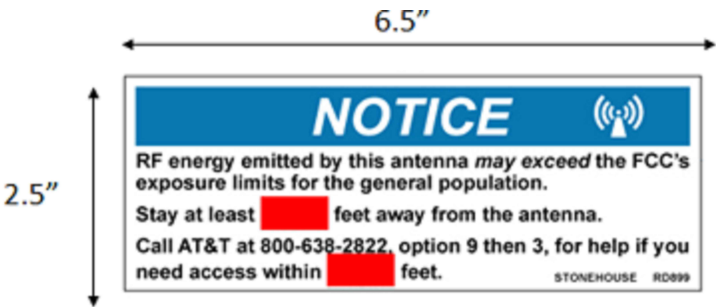
NOTE:
SIGNAGE REQUIREMENTS TO FOLLOW RF CERTIFICATION
LETTER, NOTICE DECAL OR (2) 7"x7" SIGNS.



SHROUD SIGN DETAIL
N.T.S.



SHROUD SIGN DETAIL
N.T.S.



ANTENNA SIGN DETAIL
N.T.S.

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 **CENTERLINE**
ENGINEERING SERVICES, PA
750 W CENTER ST, SUITE 301
WEST BRIDGEWATER, MA 02379
PHONE: 781.713.4725

REVISIONS		
1	08/26/25	S&S FOR CX
0	05/05/25	ISSUED FOR REVIEW
NO	DATE	DESCRIPTION

DESIGNED BY: TG	APPROVED BY: DC
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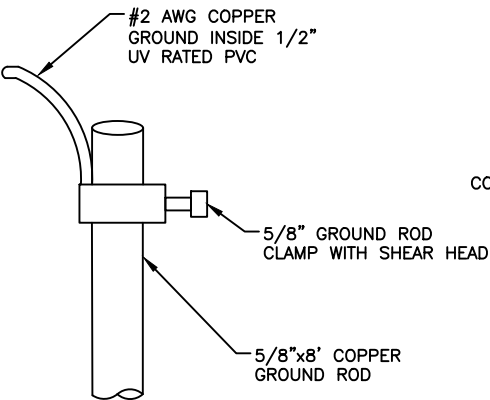


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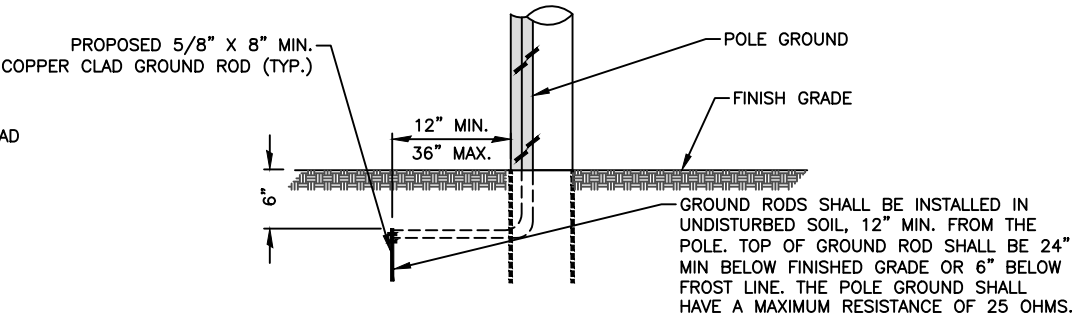


CLUSTER & NODE #:	TBD
AT&T SITE ID:	CRAN_RCTB_00073_665
SITE ADDRESS:	15 WALNUT RD SOUTH HAMILTON, MA 01982 ESSEX COUNTY
PROJECT TYPE:	UTILITY POLE

SHEET TITLE: SIGNAGE DETAILS	
DRAWING #: A-4	REVISION: 1



CONNECTION TO GROUND ROD
N.T.S.



GROUNDING DIAGRAM
N.T.S.



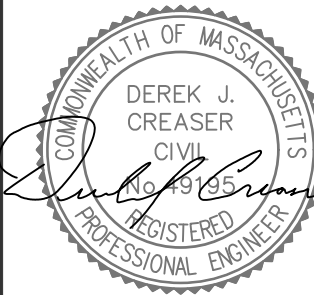
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AT&T MOBILITY CORP.
492 OLD CONNECTICUT PATH
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FRAMINGHAM, MA 01701



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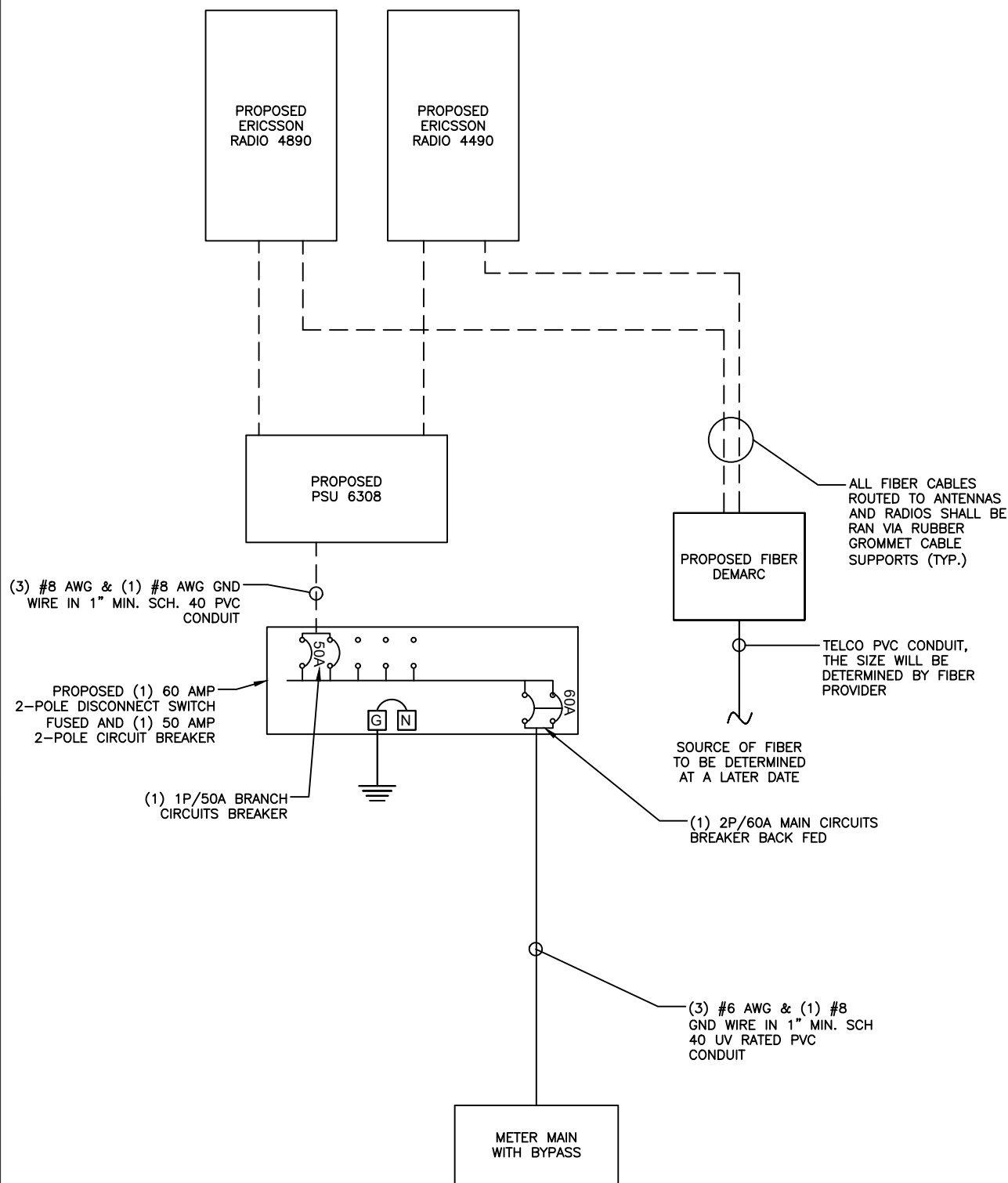


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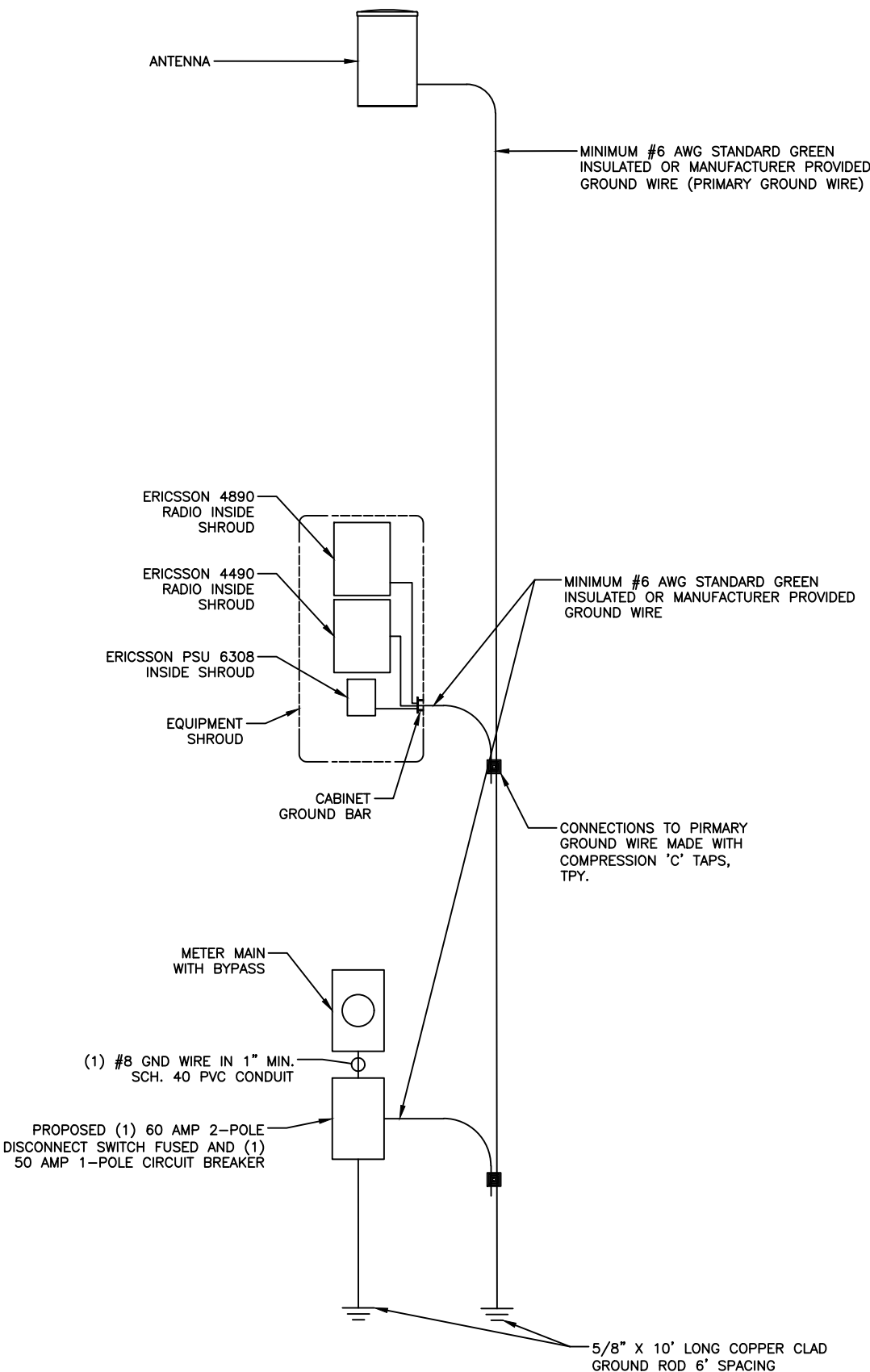


CLUSTER & NODE #:
TBD
AT&T SITE ID:
CRAN_RCTB_00073_665
SITE ADDRESS:
15 WALNUT RD SOUTH HAMILTON, MA 01982 ESSEX COUNTY
PROJECT TYPE:
UTILITY POLE

SHEET TITLE:	
GROUNDING DETAILS	
DRAWING #:	REVISION:
E-1	1



ELECTRICAL ONE LINE DIAGRAM
N.T.S.



GROUNDING ONE LINE DIAGRAM
N.T.S.

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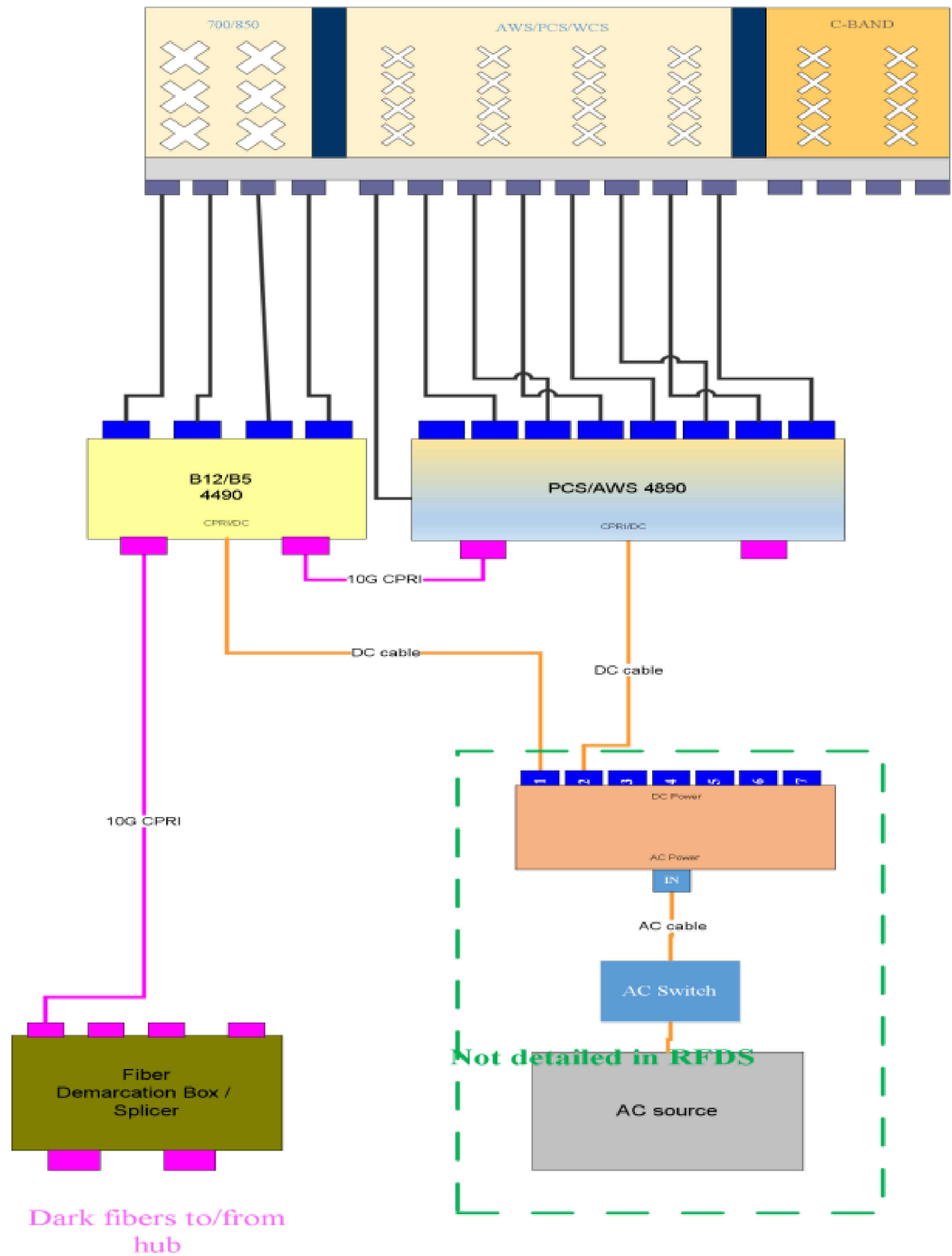


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SITE ADDRESS:	15 WALNUT RD SOUTH HAMILTON, MA 01982 ESSEX COUNTY
PROJECT TYPE:	UTILITY POLE

SHEET TITLE:	ONE LINE DIAGRAMS
DRAWING #:	E-2
REVISION:	1



PLUMBING DIAGRAM
N.T.S.

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SHEET TITLE:	PLUMBING DIAGRAM
DRAWING #:	E-3
REVISION:	1