

VICINITY MAP



AMERICAN TOWER®

ATC SITE NAME: SALEM CT
 ATC SITE NUMBER: 10027
 VERIZON SITE NAME: SALEM SOUTH CT
 VERIZON SITE NUMBER: 765832
 VERIZON FUZE PID: 16990579
 SITE ADDRESS: 153 EAST HADDAM ROAD
 SALEM, CT 06420-3903



LOCATION MAP



Dewberry®
 Dewberry Engineers Inc.
 99 SUMMER STREET
 SUITE 700
 BOSTON, MA 02110
 PHONE: 617.695.3400
 FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	VL	05/10/23
0	FINAL	VL	12/14/23
1	FINAL	VL	01/22/24
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ATC SITE NUMBER:
 10027
 ATC SITE NAME:
 SALEM CT
 VERIZON SITE NAME:
 SALEM SOUTH CT
 SITE ADDRESS:
 153 EAST HADDAM ROAD
 SALEM, CT 06420-3903

SEAL:



ATC JOB NO: 14430730_G2
 CUSTOMER ID: SALEM SOUTH CT
 CUSTOMER #: 765832

TITLE SHEET

SHEET NUMBER:
G-001
 REVISION:
1

VERIZON COLLOCATION PLAN

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX				
			SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. 1. 2022 CONNECTICUT STATE BUILDING CODE-AMENDMENTS TO IBC 2021 2. INTERNATIONAL BUILDING CODE 2021, INTERNATIONAL CODE COUNCIL 3. TIA-222-G-4, STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS 4. ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, AMERICAN SOCIETY OF CIVIL ENGINEERS 5. STEEL CONSTRUCTION MANUAL 14TH EDITION, AMERICAN INSTITUTE OF STEEL CONSTRUCTION 6. CITY/COUNTY ORDINANCES	<u>SITE ADDRESS:</u> 153 EAST HADDAM ROAD SALEM, CT 06420-3903 COUNTY: NEW LONDON <u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 41.46847707 LONGITUDE: -72.27331212 GROUND ELEVATION: 356' AMSL	THE PROPOSED PROJECT INCLUDES PLACING EQUIPMENT CABINETS ON A PROPOSED CONCRETE PAD INSIDE A 12'x30' (360 SQ FT) GROUND SPACE WITHIN THE EXISTING COMPOUND, AND PLACING NEW ANTENNAS ON PROPOSED SECTOR FRAMES MOUNTED TO THE EXISTING TOWER. INSTALL (9) ANTENNAS, (6) RRUS, (1) 12-OVP & (2) 6X12 HYBRID CABLES.	G-001	TITLE SHEET	1	01/22/24	VL
	<u>PROJECT TEAM</u> <u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> DEWBERRY ENGINEERS INC. 99 SUMMER STREET SUITE 700 BOSTON, MA 02110 PHONE: 617.695.3400 FAX: 617.695.3310 <u>PROPERTY OWNER:</u> AMERICAN TOWER CORP PO BOX 723597 ATLANTA, GA 31139	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED. 6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).	<u>PROJECT LOCATION DIRECTIONS</u> FROM I-395 W (NORWICH ROAD). GO THROUGH THE INTERSECTION OF RT. 85 (HARTFORD RD./NEW LONDON RD.). PASS SHINGLE MILL RD.. AFTER PASSING GETTY GRANITE ON YOUR RIGHT, THE TOWER WILL BE ON YOUR LEFT.	G-002	GENERAL NOTES	1	01/22/24
			C-001	OVERALL SITE PLAN	1	01/22/24	VL
			C-101	DETAILED SITE PLAN	1	01/22/24	VL
			C-102	DETAILED EQUIPMENT PLAN	1	01/22/24	VL
			C-201	TOWER ELEVATION	1	01/22/24	VL
			C-401	ANTENNA INFORMATION & SCHEDULE	1	01/22/24	VL
			C-501	MOUNT DETAILS	1	01/22/24	VL
			C-502	CONSTRUCTION DETAILS	1	01/22/24	VL
			C-503	CONSTRUCTION DETAILS	1	01/22/24	VL
			C-504	CONSTRUCTION DETAILS	1	01/22/24	VL
			E-101	GROUNDING PLAN & NOTES	1	01/22/24	VL
			E-501	GROUNDING DETAILS	1	01/22/24	VL
			E-601	ONE-LINE & PANEL SCHEDULE	1	01/22/24	VL
			R-601	SUPPLEMENTAL			
			R-602	SUPPLEMENTAL			

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GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, VERIZON "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL
 - A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
 - B. AC/TELCO INTERFACE BOX (PPC)
 - C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
 - D. TOWERS, MONOPOLES
 - E. TOWER LIGHTING
 - F. GENERATORS & LIQUID PROPANE TANK
 - G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
 - H. ANTENNAS (INSTALLED BY OTHERS)
 - I. TRANSMISSION LINE
 - J. TRANSMISSION LINE JUMPERS
 - K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
 - L. TRANSMISSION LINE GROUND KITS
 - M. HANGERS
 - N. HOISTING GRIPS
 - O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF VERIZON TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE VERIZON REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE VERIZON REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH VERIZON AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.

22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY VERIZON REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
29. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
30. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE VERIZON REP. ANY WORK FOUND BY THE VERIZON REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
31. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
32. VERIZON FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE VERIZON WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
33. VERIZON OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO VERIZON OR THEIR ARCHITECT/ENGINEER.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS."
2. STRUCTURAL STEEL ROLLED SHAPES, PLATES AND BARS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS:
 - A. ASTM A-572, GRADE 50 - ALL W SHAPES, UNLESS NOTED OR A992 OTHERWISE
 - B. ASTM A-36 - ALL OTHER ROLLED SHAPES, PLATES AND BARS UNLESS NOTED OTHERWISE.
 - C. ASTM A-500, GRADE B - HSS SECTION (SQUARE, RECTANGULAR, AND ROUND)
 - D. ASTM A-325, TYPE SC OR N - ALL BOLTS FOR CONNECTING STRUCTURAL MEMBERS
 - E. ASTM F-1554 07 - ALL ANCHOR BOLTS, UNLESS NOTED OTHERWISE
3. ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123. EXPOSED STEEL HARDWARE AND ANCHOR BOLTS SHALL BE GALVANIZED PER ASTM A153 OR B695.
4. ALL FIELD CUT SURFACES, FIELD DRILLED HOLES AND GROUND SURFACES WHERE EXISTING PAINT OR GALVANIZATION REMOVAL WAS REQUIRED SHALL BE REPAIRED WITH (2) BRUSHED COATS OF ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.
5. DO NOT DRILL HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
6. CONNECTIONS:
 - A. ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1.

- B. ALL WELDS SHALL BE INSPECTED VISUALLY. 25% OF WELDS SHALL BE INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1. REPAIR ALL WELDS AS NECESSARY.
- C. INSPECTION SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
- D. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE BURNING/WELDING PERMITS AS REQUIRED BY LOCAL GOVERNING AUTHORITY AND IF REQUIRED SHALL HAVE FIRE DEPARTMENT DETAIL FOR ANY WELDING ACTIVITY.
- E. ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNLESS NOTED OTHERWISE.
- F. MINIMUM WELD SIZE TO BE 0.1875 INCH FILLET WELDS, UNLESS NOTED OTHERWISE.
- G. PRIOR TO FIELD WELDING GALVANIZING MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING 1/8" BEYOND ALL FIELD WELD SURFACES. AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL GROUND AND WELDED SURFACES WITH ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.
- H. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE REQUIRED DURING CONSTRUCTION UNTIL ALL CONNECTIONS ARE COMPLETE.
- I. ANY FIELD CHANGES OR SUBSTITUTIONS SHALL HAVE PRIOR APPROVAL FROM THE ENGINEER, AND VERIZON PROJECT MANAGER IN WRITING

SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:
 - A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY VERIZON UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL
 - B. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND VERIZON SPECIFICATIONS.
 - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
 - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE AND PROVIDE PRINTOUT OF THAT TEST.
 - E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZU-PACKARD 8713B RF SCALAR NETWORK ANALYZER. SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RFS "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATED 10/5/93. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.
 - F. INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
 - G. ANTENNA AND COAXIAL CABLE GROUNDING:

2. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.
3. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS).

CONCRETE AND REINFORCING STEEL NOTES:

1. DESIGN AND CONSTRUCTION OF ALL CONCRETE ELEMENTS SHALL CONFORM TO THE LATEST EDITIONS OF ALL APPLICABLE CODES INCLUDING: ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", ACI 117 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS", AND ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE."
2. MIX DESIGN SHALL BE APPROVED BY VERIZON REP PRIOR TO PLACING CONCRETE.
3. CONCRETE SHALL BE NORMAL WEIGHT, 6 % AIR ENTRAINED (+/- 1.5%) WITH A SLUMP RANGE OF 3-6" AND HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4500 PSI UNLESS OTHERWISE NOTED.
4. THE FOLLOWING MATERIALS SHALL BE USED:

PORTLAND CEMENT:	ASTM C150, TYPE 2
REINFORCEMENT:	ASTM A185, PLAIN STEEL WELDED WIRE FABRIC
REINFORCEMENT BARS:	ASTM A615, GRADE 60, DEFORMED
NORMAL WEIGHT AGGREGATE:	ASTM C33
WATER:	ASTM C 94/C 94M
WELDED WIRE FABRIC:	ASTM A185
ADMIXTURES:	
-WATER-REDUCING AGENT:	ASTM C 494/C 494M, TYPE A
-AIR-ENTERING AGENT:	ASTM C 260/C 260M
-SUPERPLASTICIZER:	ASTM C494, TYPE F OR TYPE G
-RETARDING:	ASTM C 494/C 494M, TYPE B

5. MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE NO LESS THAN 3".
6. A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE IN ACCORDANCE WITH ACI 301 SECTION 4.2.4, UNLESS NOTED OTHERWISE.
7. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL, OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR APPROVAL FROM AN ATC ENGINEER WHEN DRILLING HOLES IN CONCRETE.
8. ADMIXTURES SHALL CONFORM TO THE APPROPRIATE ASTM STANDARD AS REFERENCED IN "METHOD 1" OF ACI 301.
9. DO NOT WELD OR TACK WELD REINFORCING STEEL.
10. ALL DOWELS, ANCHOR BOLTS, EMBEDDED STEEL, ELECTRICAL CONDUITS, PIPE SLEEVES, GROUNDS AND ALL OTHER EMBEDDED ITEMS AND FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT.
11. REINFORCEMENT SHALL BE COLD BENT WHENEVER BENDING IS REQUIRED.
12. DO NOT PLACE CONCRETE IN WATER, ICE, OR ON FROZEN GROUND.
13. FOR COLD-WEATHER (ACI 306) AND HOT-WEATHER (ACI 301M) CONCRETE PLACEMENT, CONFORM TO APPLICABLE ACI CODES AND RECOMMENDATIONS. IN EITHER CASE, MATERIALS CONTAINING CHLORIDE, CALCIUM, SALTS, ETC. SHALL NOT BE USED. PROTECT FRESH CONCRETE FROM WEATHER FOR 7 DAYS, MINIMUM.

14. ALL CONCRETE SHALL HAVE A "SMOOTH FORM FINISH."
15. SPLICING OF REINFORCEMENT IS PERMITTED ONLY AT LOCATIONS SHOWN IN THE CONTRACT DRAWINGS OR AS ACCEPTED BY THE ENGINEER. UNLESS OTHERWISE SHOWN OR NOTED REINFORCING STEEL SHALL BE SPLICED TO DEVELOP ITS FULL TENSILE CAPACITY (CLASS A) IN ACCORDANCE WITH ACI 318.
16. DETAILING OF REINFORCING STEEL SHALL CONFORM TO "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI 315).
17. ALL SLAB CONSTRUCTION SHALL BE CAST MONOLITHICALLY WITHOUT HORIZONTAL CONSTRUCTION JOINTS, UNLESS SHOWN IN THE CONTRACT DRAWINGS.
18. LOCATION OF ALL CONSTRUCTION JOINTS ARE SUBJECT TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, CONFORMANCE WITH ACI 318, AND ACCEPTANCE OF THE ENGINEER. DRAWINGS SHOWING LOCATION OF DETAILS OF THE PROPOSED CONSTRUCTION JOINTS SHALL BE SUBMITTED WITH REINFORCING STEEL PLACEMENT DRAWINGS.
19. SPLICES OF WWF, AT ALL SPLICED EDGES, SHALL BE SUCH THAT THE OVERLAP MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH FABRIC SHEET IS NOT LESS THAN THE SPACING OF THE CROSS WIRE PLUS 2 INCHES, NOR LESS THAN 6".
20. BAR SUPPORTS SHALL BE ALL-GALVANIZED METAL WITH PLASTIC TIPS.
21. ALL REINFORCEMENT SHALL BE SECURELY TIED IN PLACE TO PREVENT DISPLACEMENT BY CONSTRUCTION TRAFFIC OR CONCRETE. TIE WIRE SHALL BE OF SUFFICIENT STRENGTH FOR INTENDED PURPOSE, BUT NOT LESS THAN NO. 18 GAUGE.
22. SLAB ON GROUND: COMPACT STRUCTURAL FILL TO 95% DENSITY AND THEN PLACE 6" GRAVEL BENEATH SLAB.

ELECTRICAL NOTES:

1. ELECTRICAL WORK SHALL BE PERFORMED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL ENSURE THAT ALL WORK COMPLIES WITH ALL APPLICABLE LOCAL AND STATE CODES AND NATIONAL ELECTRICAL CODE.
2. ALL SUGGESTED ELECTRICAL ELEMENTS (SUCH AS BREAKER SIZES, WIRE SIZES, CONDUITS SIZES) ARE FOR ZONING PURPOSES ONLY. IT IS THE RESPONSIBILITY TO OF THE ELECTRICAL CONTRACTOR TO CONFIRM COMPLIANCE WITH LOCAL ELECTRICAL CODES AND PASS ALL APPLICABLE AND NECESSARY INSPECTIONS. IN SOME EVENTS, IT MAY BE NECESSARY TO PERFORM AN ELECTRICAL LOAD STUDY TO VERIFY THE CAPACITY OF THE EXISTING SERVICE. THIS IS NOT THE RESPONSIBILITY OF ATC. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
3. CONTRACTOR SHALL FIELD LOCATE ALL BELOW GRADE GROUNDING CABLES AND UTILITY LINES PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR RELOCATION OF ALL UTILITIES AND GROUNDING LINES THAT MAY BECOME DISTURBED OR CONFLICTING IN THE COURSE OF CONSTRUCTION.

ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.



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REV.	DESCRIPTION	BY	DATE
A	PRELIM	VL	05/10/23
0	FINAL	VL	12/14/23
1	FINAL	VL	01/22/24

ATC SITE NUMBER:
10027
 ATC SITE NAME:
SALEM CT
 VERIZON SITE NAME:
SALEM SOUTH CT
 SITE ADDRESS:
 153 EAST HADDAM ROAD
 SALEM, CT 06420-3903



ATC JOB NO:	14430730_G2
CUSTOMER ID:	SALEM SOUTH CT
CUSTOMER #:	765832

GENERAL NOTES	
SHEET NUMBER: G-002	REVISION: 1

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CONNECTICUT ROUTE 82

EXISTING DRIVEWAY

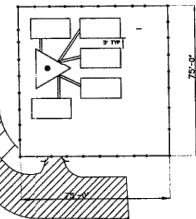
PROPOSED CL&P EASEMENT =
EXISTING DRIVEWAY AND 10 FT. TO
THE NORTHERLY AND EASTERLY
SIDE OF DRIVEWAY

APPROX. LENGTH = 725' FEET +/-
LOT #1 = 185' +/-
LOT #2 = 560' +/-

N/F AMERICAN TOWER CORPORATION

LOT 2

AREA = 226,818 SF
AREA = 5.207 AC



N/F MARY & WALTER STONE

LOT 3

AREA = 101,166 SF
AREA = 2.3225 AC

N/F MARY & WALTER STONE

LOT 1.

AREA = 1141,083 SF
AREA = 3.2388 AC

N/F DBT LLC

N/F EARL TUCKER

NOTES:
THIS SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC.
THE TYPE OF SURVEY PERFORMED IS A COMPILATION PLAN. THIS SURVEY CONFORMS TO CALSS "D" HORIZONTAL ACCURACY AND IS INTENDED TO ACQUIRE AN EASEMENT.
THIS PLAN WAS COMPILED FROM OTHER MAPS, RECORD, RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY, AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE."

REFERENCES:
CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP, TOWN OF SALEM, NUMBER 977, SHEET 1 OF 2 AND SHEET 2 OF 2, SCALE 1" = 40', APRIL 30, 1930

SITE PLAN PREPARED FOR CONRAD SIROIS, THE HOUSE OF DOORS, EAST HADDAM TURNPIKE, SALEM, CONN., SCALE 1" = 40', APRIL 20, 1989, REVISED JUNE 27, 1989

CONNECTICUT STATE HIGHWAY DEPARTMENT PLAN FOR CONSTRUCTION OF RELOCATION OF ROUTE 85 IN THE TOWN OF SALEM, PROJECT 3120-57, DATED 1969.

SUBDIVISION PLAN AND EROSION AND SEDIMENT CONTROL PLAN - HICKORY HILL SUBDIVISION, PROPERTY OF RICHARD G. SCHLOSSER AND GEORGE KINSELLA, EAST HADDAM TURNPIKE, ROUTE #82, SHINGLE MILL ROAD, SALEM, CONN., JULY 15, 1988, SCALE 1" = 100', REVISED 07/19/99, 09/02/88, 09/20/88, 10/04/88, SHEET 1 OF 3, BY ANGUS MCDONALD/GARY SHARPE

COMPILATION PLAN

MAP SHOWING EASEMENT AREA TO BE GRANTED
TO THE CONNECTICUT LIGHT AND POWER
COMPANY ACROSS THE PROPERTY OF

AMERICAN TOWER CORPORATION
CONN. ROUTE 82 SALEM, CONN.
SCALE: 1" = 40' JUNE 20, 2000

FILE NO. E-9232

DUTCH & ASSOCIATES
CIVIL ENGINEERS & LAND SURVEYORS

392 SOUTH MAIN STREET, COLCHESTER, CONN.
PHONE No. 860/537-3465

"TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."

Charles R. Dutch

CHARLES R. DUTCH

LS#15776

JOB NO. 00-140

"CLASS D MAP"
THIS MAP IS COMPILED FROM OTHER MAPS, DEED DIMENSIONS AND OTHER SOURCES OF INFORMATION, NOT TO BE CONSTRUED AS AN ACCURATE SURVEY AND SUBJECT TO FINAL CHANGES AS A MORE ACCURATE SURVEY MAY DISCLOSE.



NOTES:

1. DEWBERRY HAS NOT BEEN CONTRACTED TO PERFORM AN BOUNDARY AND TOPOGRAPHIC SURVEY AT THIS SITE.
2. SURVEY INFORMATION OBTAINED FROM SURVEY PROVIDED BY ATC, PREPARED FOR ATC TOWER SERVICES, INC. ON 06/20/2000.



Dewberry

Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.695.3400
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	VL	05/10/23
0	FINAL	VL	12/14/23
1	FINAL	VL	01/22/24

ATC SITE NUMBER:

10027

ATC SITE NAME:

SALEM CT

VERIZON SITE NAME:

SALEM SOUTH CT

SITE ADDRESS:

153 EAST HADDAM ROAD
SALEM, CT 06420-3903

SEAL:



verizon

ATC JOB NO: 14430730_G2

CUSTOMER ID: SALEM SOUTH CT

CUSTOMER #: 765832

OVERALL SITE PLAN

SHEET NUMBER:

C-001

REVISION:

1

SITE PLAN NOTES:

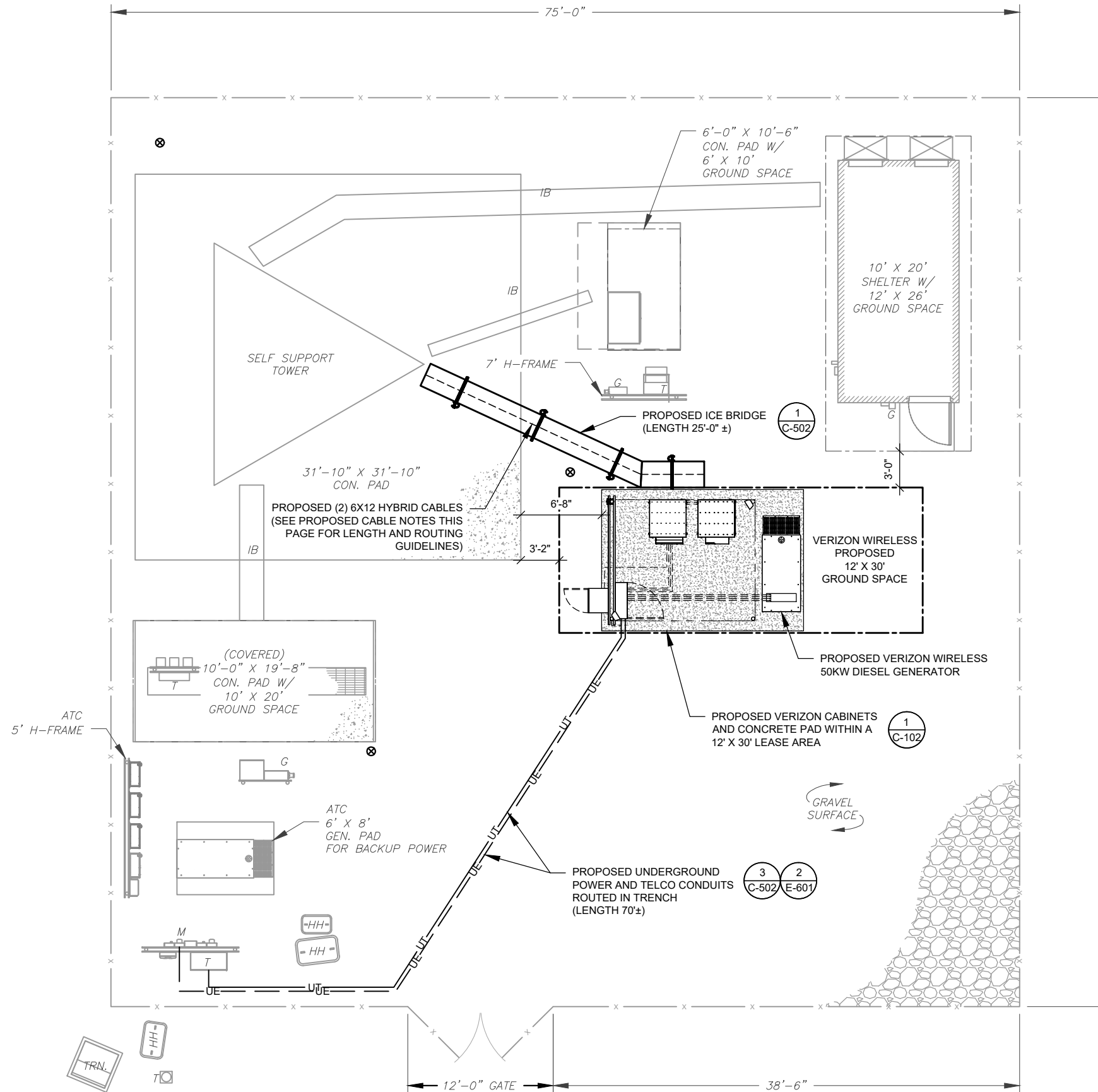
- THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
- ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE VERIZON REPRESENTATIVE AND LOCAL UTILITY COMPANY FOR THE INSTALLATION OF CONDUITS, CONDUCTORS, BREAKERS, DISCONNECTS, OR ANY OTHER EQUIPMENT REQUIRED FOR ELECTRICAL SERVICE. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF THE STATE AND NATIONAL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THIS PROJECT.

LEGEND

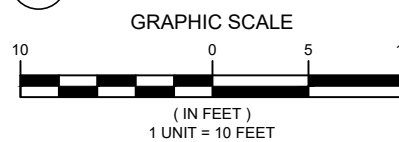
- ⊗ GROUNDING TEST WELL
- ATS AUTOMATIC TRANSFER SWITCH
- B BOLLARD
- CSC CELL SITE CABINET
- D DISCONNECT
- E ELECTRICAL
- F FIBER
- GEN GENERATOR
- G GENERATOR RECEPTACLE
- HH, V HAND HOLE, VAULT
- IB ICE BRIDGE
- K KENTROX BOX
- LC LIGHTING CONTROL
- M METER
- PB PULL BOX
- PP POWER POLE
- T TELCO
- TRN TRANSFORMER
- x CHAINLINK FENCE

PROPOSED CABLE NOTES:

- ESTIMATED LENGTH OF PROPOSED CABLE IS **220'**. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES). CDS DEFER TO GREATEST CABLE LENGTH.
- ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).



1 DETAILED SITE PLAN



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153 EAST HADDAM ROAD
SALEM, CT 06420-3903

SEAL:



ATC JOB NO: 14430730_G2
CUSTOMER ID: SALEM SOUTH CT
CUSTOMER #: 765832

DETAILED SITE PLAN

SHEET NUMBER:
C-101
REVISION:
1



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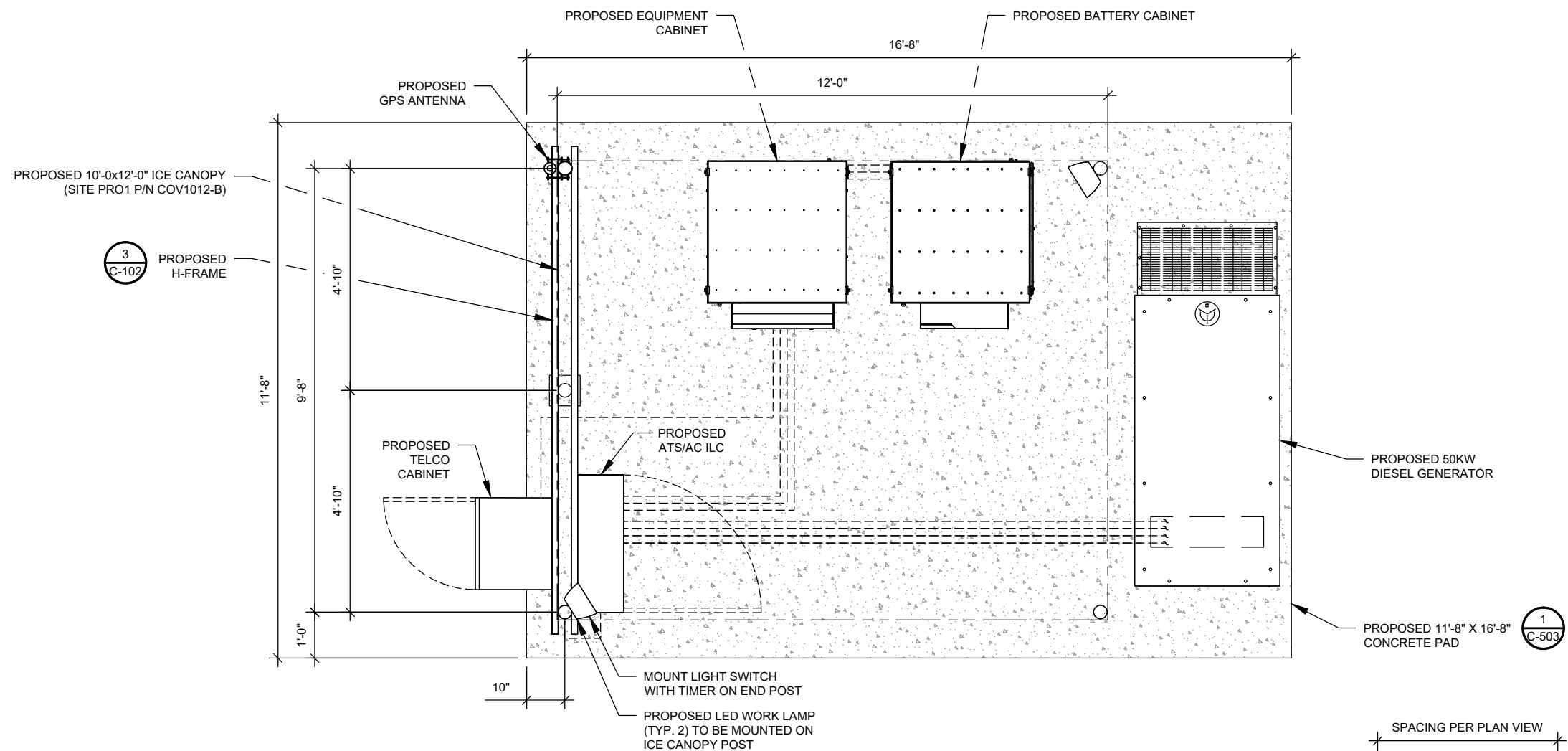
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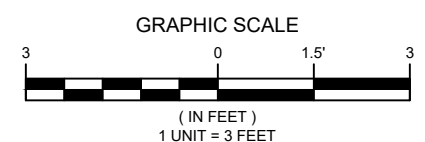
ATC JOB NO:	14430730_G2
CUSTOMER ID:	SALEM SOUTH CT
CUSTOMER #:	765832

DETAILED EQUIPMENT PLAN

SHEET NUMBER:	REVISION:
C-102	1



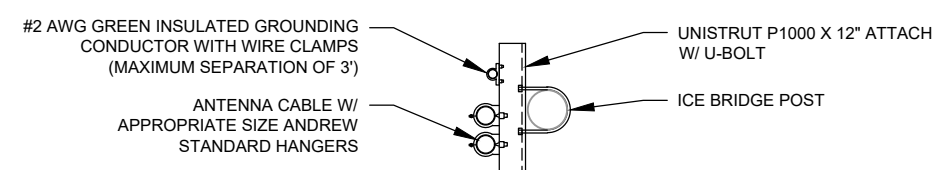
1 PROPOSED GROUND EQUIPMENT LAYOUT



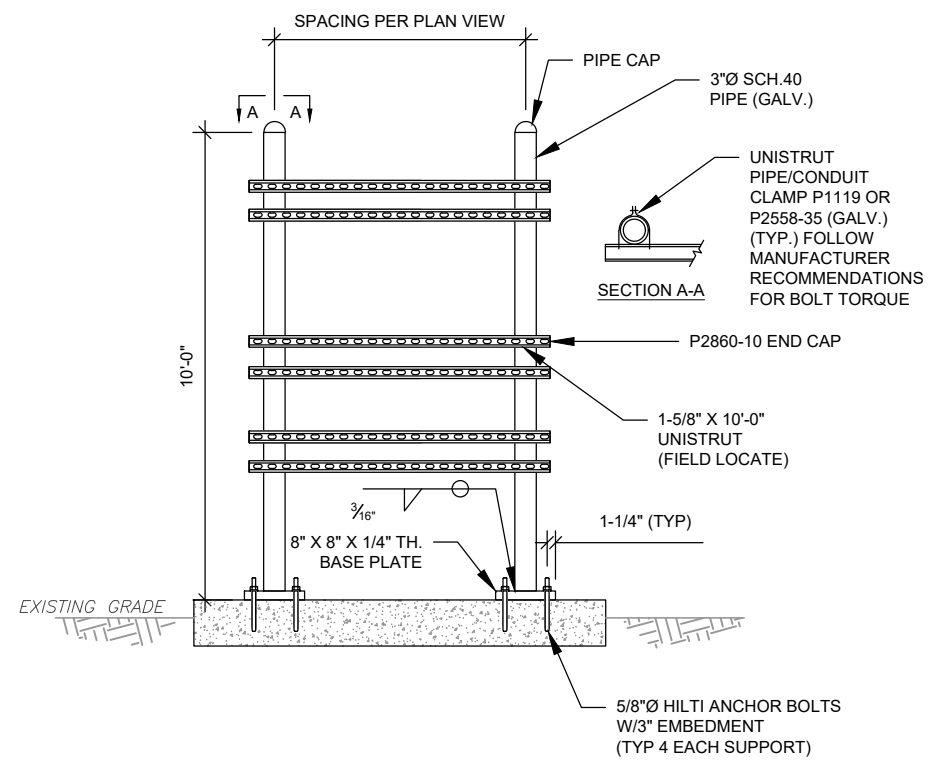
- VERIZON WIRELESS PROVIDED EQUIPMENT**
- CHARLES INDUSTRIES CUBE-SS4B231PX2 EQUIPMENT WITH BATTERY CHARGER
 - RAYCAP OVP-12 (RCMDC-6627-PF-48)

- CONTRACTOR PROVIDED EQUIPMENT**
- * THIS IS NOT A COMPREHENSIVE LIST. IT SHOULD BE ASSUMED BY THE CONTRACTOR THAT ALL OTHER ITEMS DETAILED IN THIS SET OF DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR.

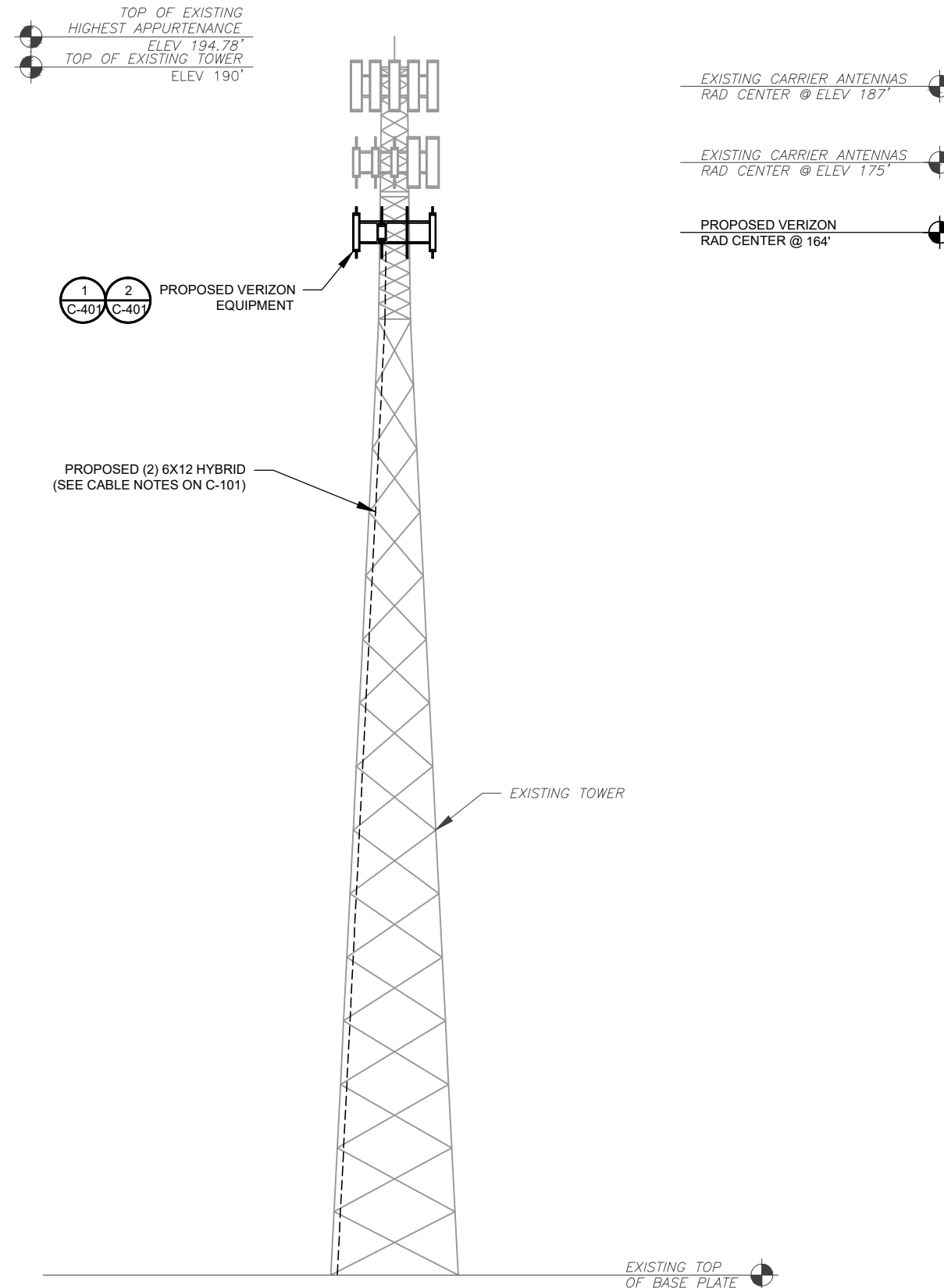
- 18"x18" FIBER JUNCTION BOX, NEMA 3R CABINET ENCLOSURE WITH WOODEN BACKBOARD, PADLOCK LATCH, AND COMBINATION LOCK (USE FOR DARK FIBER)
- 26.2" WIDE X 78" TALL X 12.3" DEEP ASCO D300L SERIES POWER TRANSFER LOAD CENTER MODEL AA300G-1PH-N-3R INTEGRATED LOAD CENTER "ILC" WITH COMBINATION PAD LOCK.
- 22" WIDE X 26" TALL X 20" DEEP CHARLES INDUSTRIES CUBE-RL1003C-1 WITH HEAT EXCHANGER (120V) WITH TRIPP-LITE UPS PART #SM1200RML2UTAA INSIDE (ONLY REQUIRED WHEN VZT PROVIDES LIT FIBER. UTILITY COORDINATOR MUST VERIFY IF NEEDED)
- COORDINATE ADDITIONAL ENTRY GATE LOCK(S) WITH CONSTRUCTION MANAGER



2 WAVEGUIDE UNISTRUT
 SCALE: N.T.S.



3 TYPICAL H-FRAME AND ICE BRIDGE POST DETAIL
 SCALE: NOT TO SCALE



PER MOUNT ANALYSIS COMPLETED BY COLLIER'S ENGINEERING & DESIGN, DATED 11/07/23, THE PROPOSED MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING.

1 TOWER ELEVATION
SCALE: N.T.S.

TOWER NOTE:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
- WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
- ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).
- TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)
- TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.



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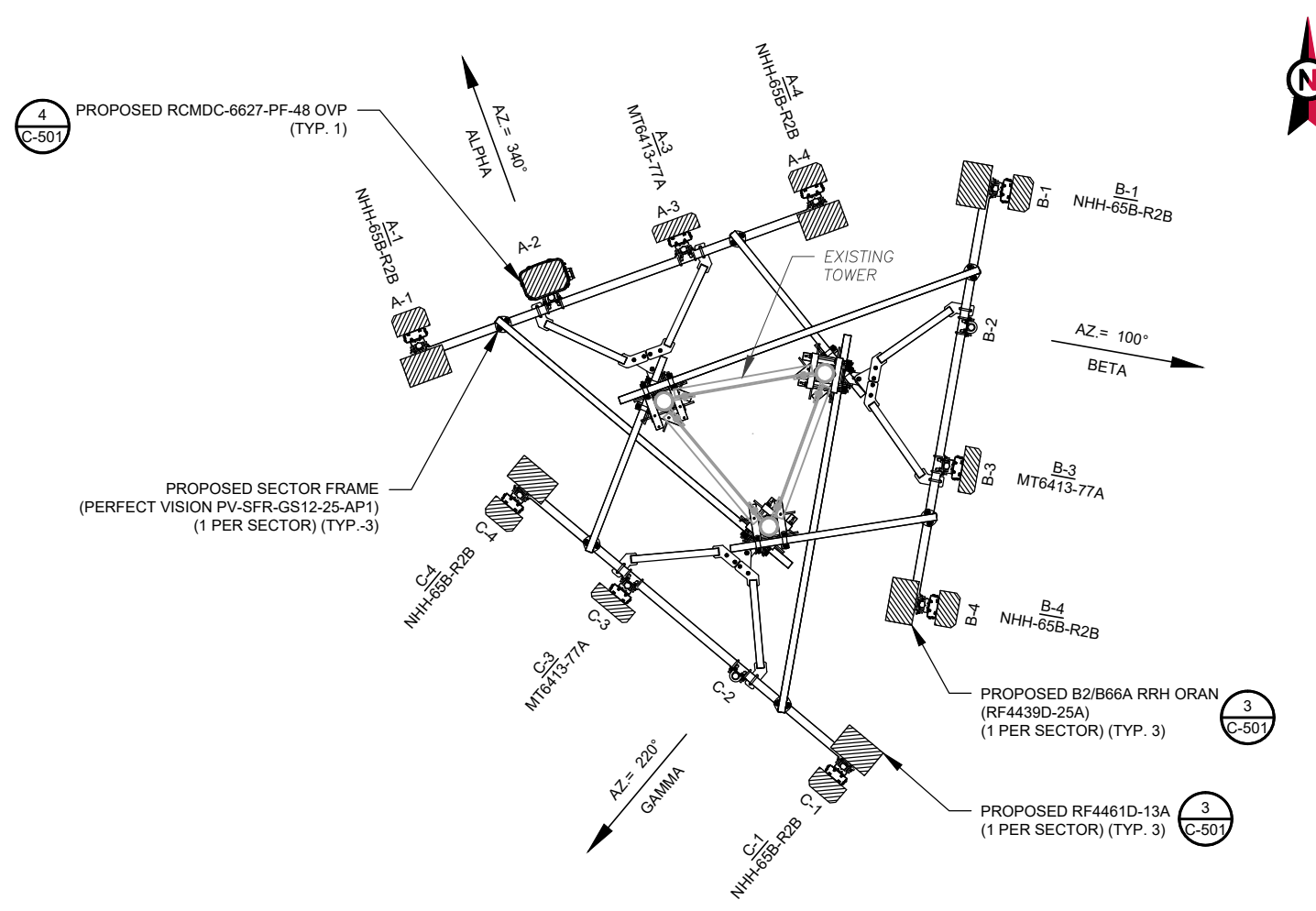
SEAL:



ATC JOB NO: 14430730_G2
CUSTOMER ID: SALEM SOUTH CT
CUSTOMER #: 765832

TOWER ELEVATION

SHEET NUMBER: **C-201** REVISION: **1**



PER MOUNT ANALYSIS COMPLETED BY COLLIERS ENGINEERING & DESIGN, DATED 11/07/23, THE PROPOSED MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING.

1 FINAL ANTENNA PLAN
SCALE: N.T.S.

FINAL EQUIPMENT SCHEDULE							
LOCATION		ANTENNA SUMMARY				NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	ADDITIONAL TOWER MOUNTED EQUIPMENT	CABLE DESCRIPTION
ALPHA	164'	340°	A1	NHH-65B-R2B	LTE 700, 5G 850, LTE 850, LTE 1900, LTE AWS	RF4461D-13A	(2) 6X12 HYBRID
			A2	-	-	-	
			A3	MT6413-77A	5G L-SUB6	-	
			A4	NHH-65B-R2B	LTE 700, 5G 850, LTE 850, LTE 1900, LTE AWS	B2/B66A RRH ORAN (RF4439D-25A)	
BETA	164'	100°	B1	NHH-65B-R2B	LTE 700, 5G 850, LTE 850, LTE 1900, LTE AWS	RF4461D-13A	
			B2	-	-	-	
			B3	MT6413-77A	5G L-SUB6	-	
			B4	NHH-65B-R2B	LTE 700, 5G 850, LTE 850, LTE 1900, LTE AWS	B2/B66A RRH ORAN (RF4439D-25A)	
GAMMA	164'	220°	C1	NHH-65B-R2B	LTE 700, 5G 850, LTE 850, LTE 1900, LTE AWS	RF4461D-13A	
			C2	-	-	-	
			C3	MT6413-77A	5G L-SUB6	-	
			C4	NHH-65B-R2B	LTE 700, 5G 850, LTE 850, LTE 1900, LTE AWS	B2/B66A RRH ORAN (RF4439D-25A)	

- CONFIRM WITH CARRIER REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS.
- ALL PROPOSED EQUIPMENT INCLUDING ANTENNAS, COAX, ETC. SHALL BE MOUNTED IN ACCORDANCE WITH THE TOWER STRUCTURAL ANALYSIS ON FILE WITH THE ATC CM.
- SPACING OF PROPOSED EQUIPMENT SHALL BE CONFIRMED FOR TOWER CONFLICTS AND PROPOSED MOUNTS SHALL NOT IMPEDE TOWER CLIMBING PEGS.
- INSTALL (1) RCMD-6627-PF-48 OVP.

2 ANTENNA SCHEDULE

RF JUMPER LENGTH
MONOPOLE = 15'± GUYED / SELF SUPPORT = FACE WIDTH + 15'
REFER TO FINAL RFDS FOR TYPE AND QUANTITY



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153 EAST HADDAM ROAD
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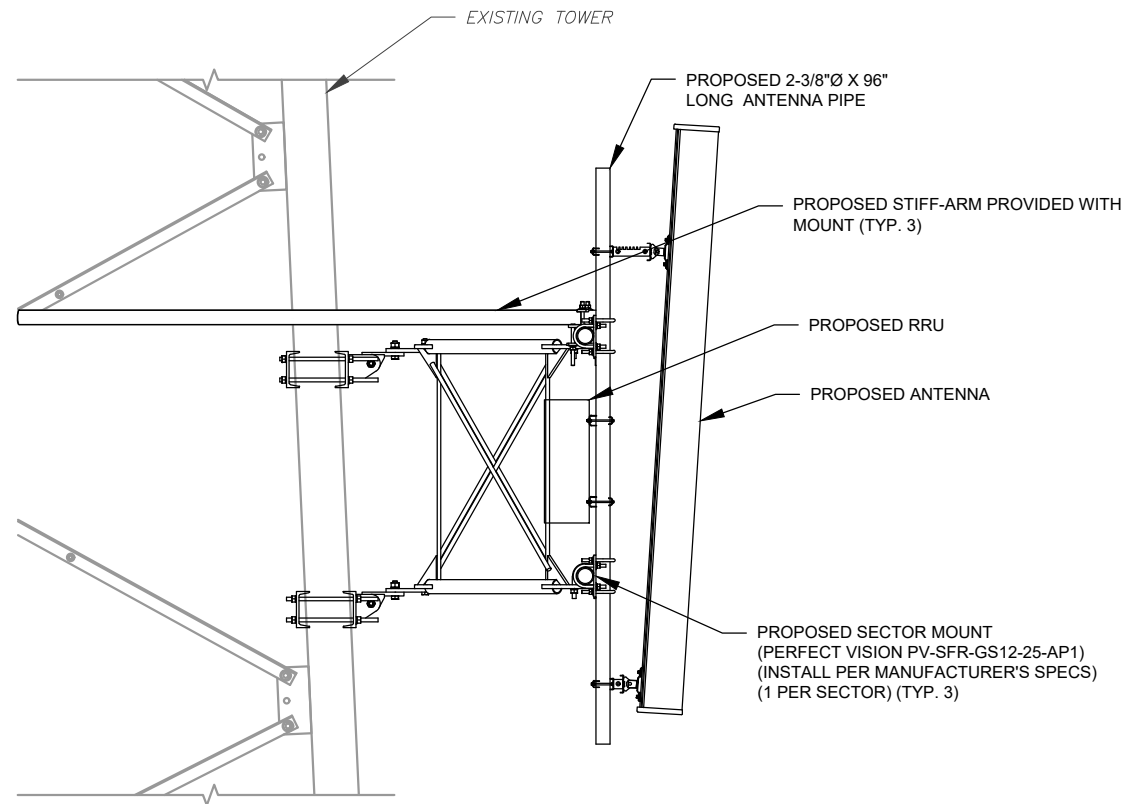


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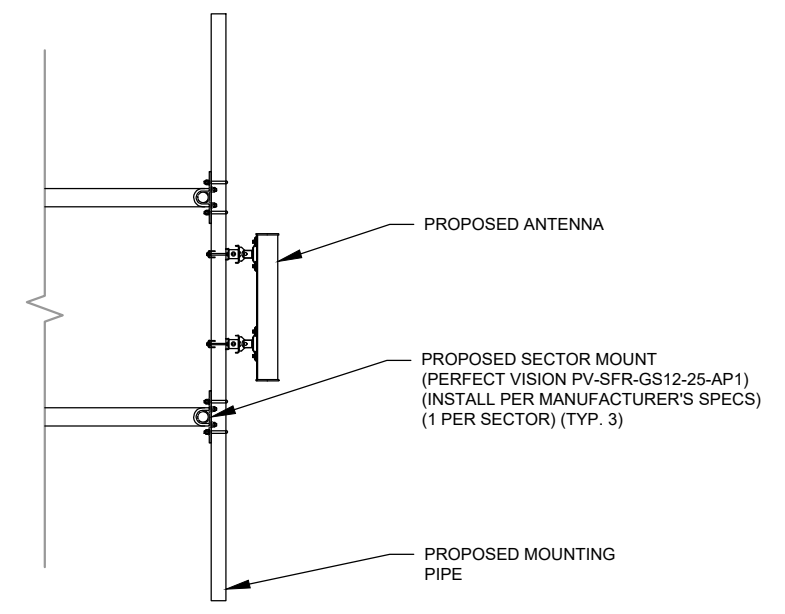
ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:
C-401
REVISION:
1

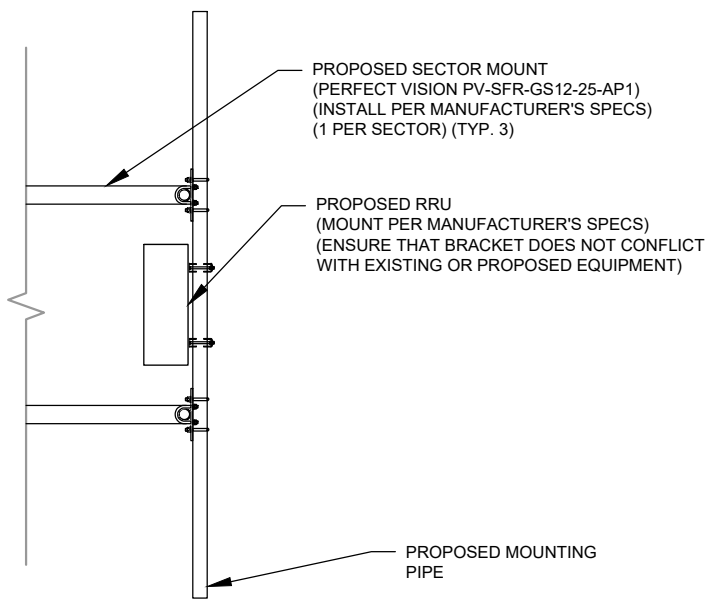
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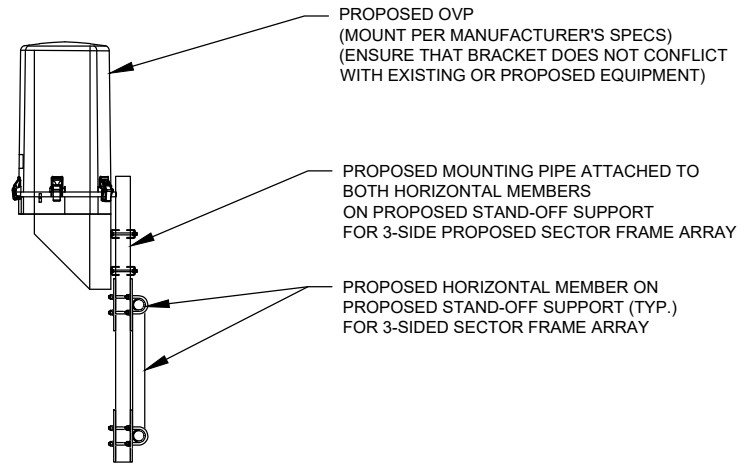
1 PROPOSED ANTENNA MOUNTING DETAIL (ELEVATION) SCALE: NOT TO SCALE



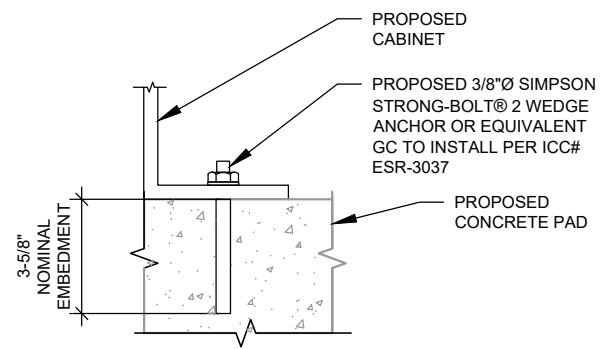
2 PROPOSED 5G ANTENNA MOUNTING DETAIL SCALE: N.T.S.



3 PROPOSED RRU MOUNTING DETAIL - TYPICAL SCALE: N.T.S.



4 PROPOSED OVP MOUNTING SCALE: N.T.S.



NOTE:
INSTALL SIMPSON STRONG-TIE@ STRONG-BOLT@ 2 WEDGE ANCHOR(S) STRICTLY PER INSTALLATION INSTRUCTIONS INCLUDED WITH PRODUCT OR FOUND ONLINE AT WWW.STRONGTIE.COM. PROPER INSTALLATION IS CRITICAL FOR FULL PERFORMANCE.

5 CABINET ATTACHMENT DETAIL SCALE: N.T.S.



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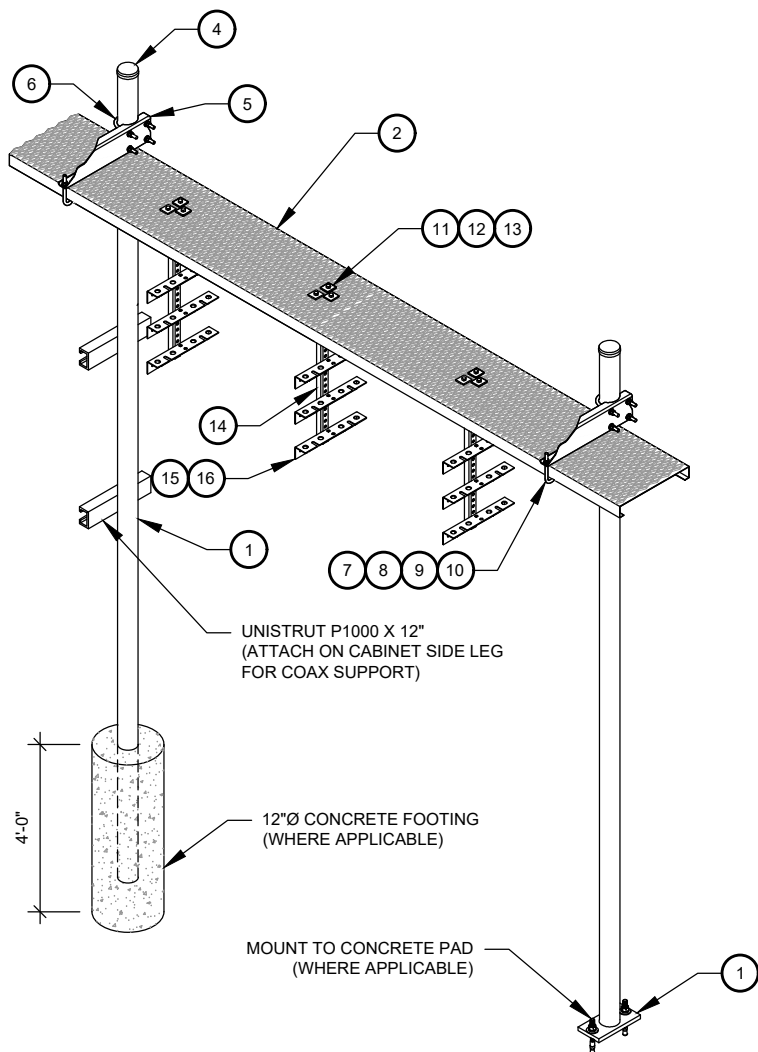
MOUNT DETAILS

SHEET NUMBER: C-501
REVISION: 1

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CONSTRUCTION NOTE:

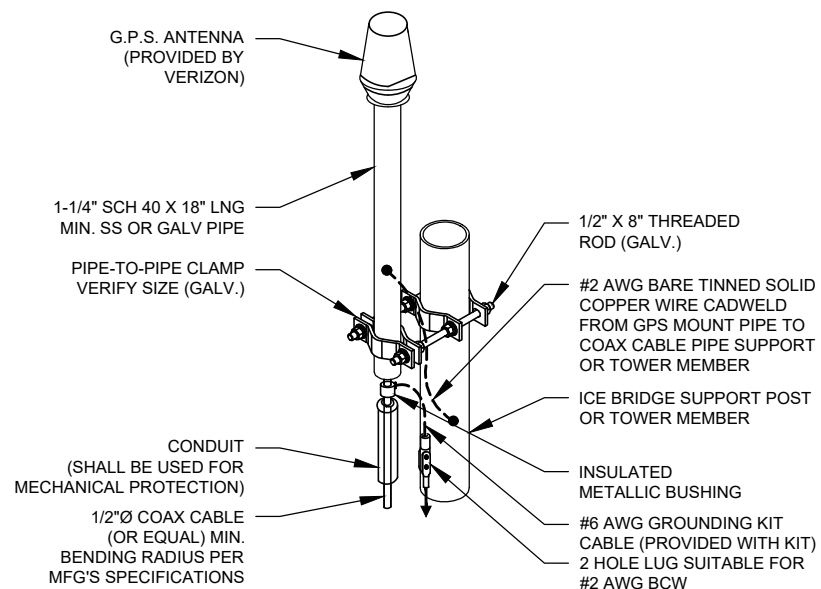
1. INSTALL ICE BRIDGE TO ALLOW 7 FEET CLEARANCE ABOVE GRADE TO LOWEST APPURTENANCE.



WB-K210-B WAVEGUIDE BRIDGE KIT - BILL OF MATERIALS (INCLUDED WITH KIT UNLESS NOTED OTHERWISE)					
ITEM	PART NUMBER	DESCRIPTION	ITEM	PART NUMBER	DESCRIPTION
1	MF126.01 MF-130	10'-4" COLUMN & BASE SHOE* 13'-4" PIPE COLUMN	9	GWL-04	1/2" GALV LOCK WASHER
2	WB-CY210	SAFETY GRATING 24" X 10'	10	GN-04	1/2" GALV HEX NUT
3	WBK110BHK	HARDWARE KIT (ITEMS 4-16)	11	GB-03205	3/8" X 2" GALV BOLT KIT
4	PC-034	PIPE CAP 3-1/2"	12	MT-387	SQUARE WASHER, 1-1/2" X 1-1/2" W/ 7/16" HOLE
5	WBLB243.08	24" WAVEGUIDE BRIDGE SUPPORT BRACKET	13	GWF-03	3/8" GALV FLAT WASHER
6	GUB-4356	1/2" X 3-5/8" X 6" GALV U-BOLT	14	WBT243.01	VERTICAL TRAPEZE SECTION
7	WB-JB-6	1/2" J-BOLT	15	GB-03105	3/8" X 1" GALV BOLT KIT
8	GWF-04	1/2" GALV FLAT WASHER	16	WBT243.02	HORIZONTAL TRAPEZE SECTION

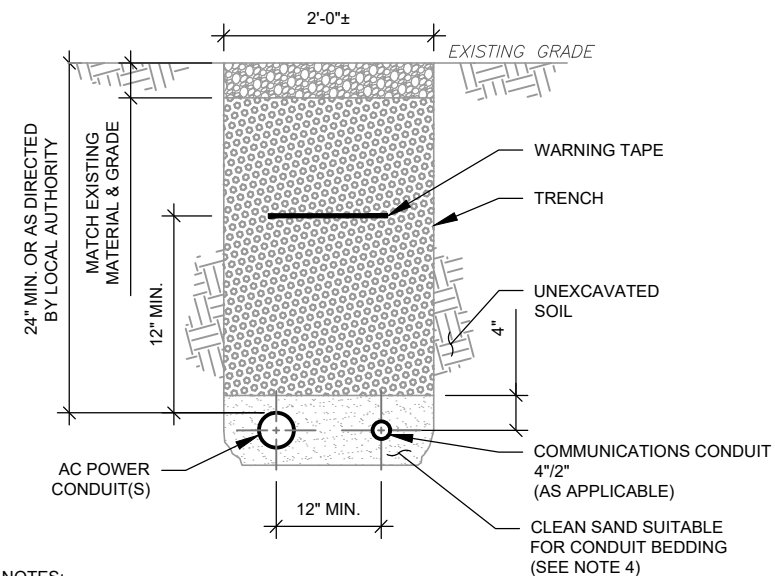
CONTRACTOR SHALL USE PARTS MANUFACTURED BY COMMSCOPE OR APPROVED EQUIVALENT.
*BASE SHOE NOT INCLUDED IN WB-K210-B KIT, ORDER COLUMN SEPARATELY OR KIT WB-K210-S.

1 WAVEGUIDE BRIDGE KIT
SCALE: N.T.S.



- NOTE:**
1. GPS SHALL BE PLACED WITH CLEAR SIGHT LINE TO THE SOUTHERN SKY.
 2. CONTRACTOR TO SUPPLY COAX FOR GPS UNIT.

2 GPS ANTENNA ATTACHMENT DETAIL
SCALE: N.T.S.



TRENCH NOTES:

1. IF FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL, EXCAVATED MATERIAL MAY BE USED FOR BACKFILL. IF NOT, PROVIDE CLEAN, COMPACTIBLE MATERIAL.
2. COMPACT IN 8" LIFTS. REMOVE ANY LARGE ROCKS PRIOR TO BACKFILLING. CONTRACTOR TO VERIFY LOCATION OF EXISTING U/G UTILITIES PRIOR TO DIGGING.
3. IF CURRENT AS-BUILT DRAWINGS ARE NOT AVAILABLE CONTRACTOR SHALL HAND DIG U/G TRENCHING.
4. USE COMMUNICATIONS ONLY TRENCH FOR COMMUNICATIONS CONDUIT UNLESS TRAVELING UNDER PATH OF VEHICLE TRAVEL, THEN CONDUIT MUST BE 24" MIN. BELOW GRADE.
5. CONFIRM SPACING AND DEPTH WITH NEC OR LOCAL CODE REQUIREMENTS

3 POWER/TELCO CONDUIT TRENCH DETAILS
SCALE: N.T.S.



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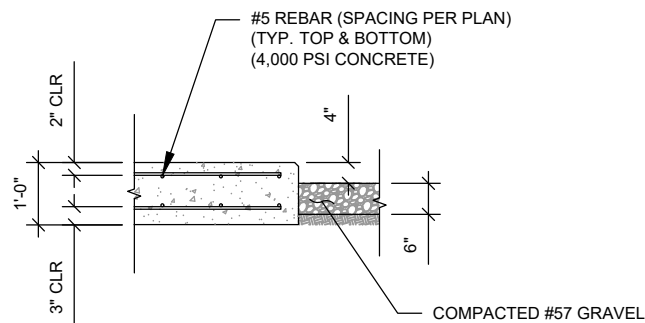
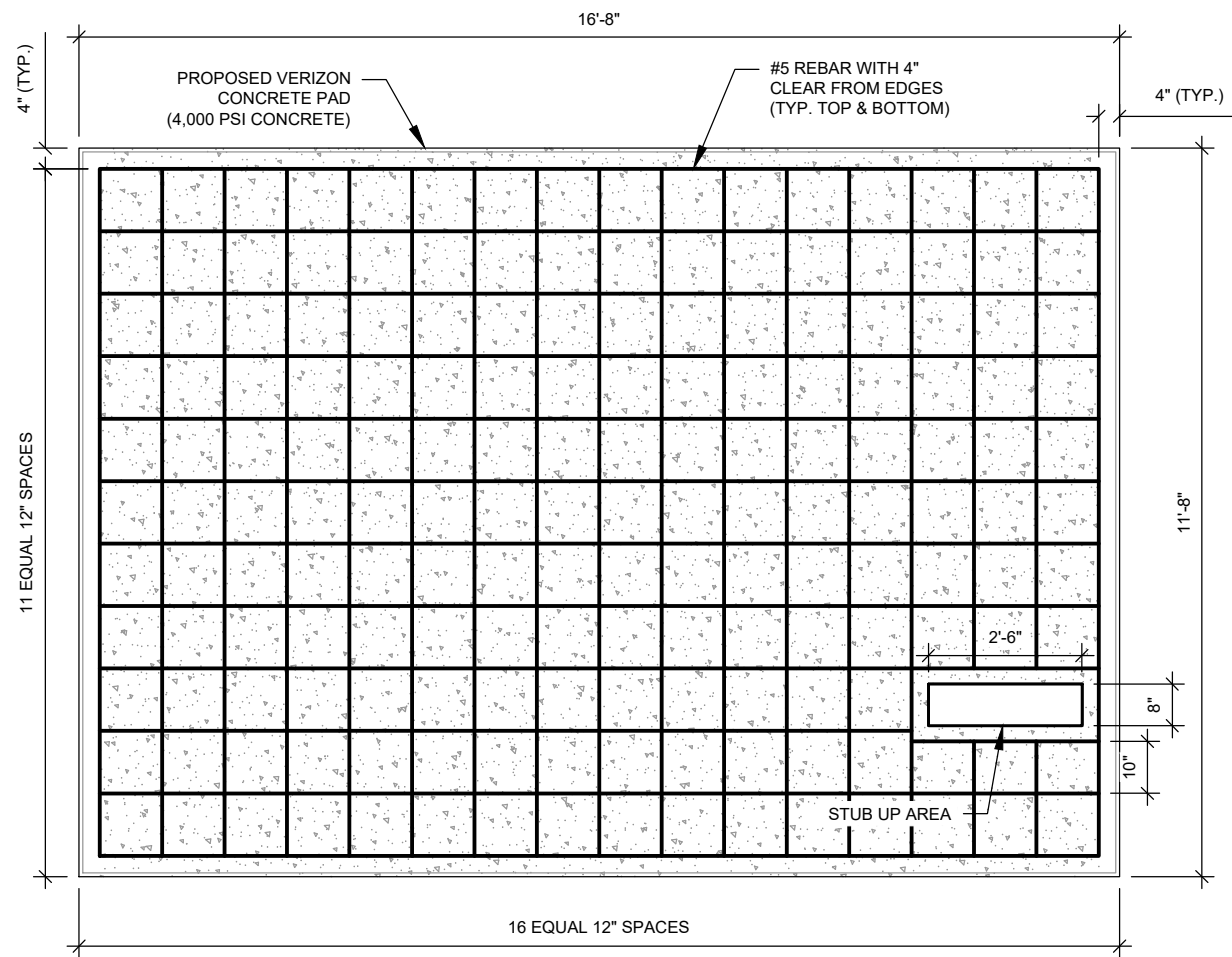
SEAL:



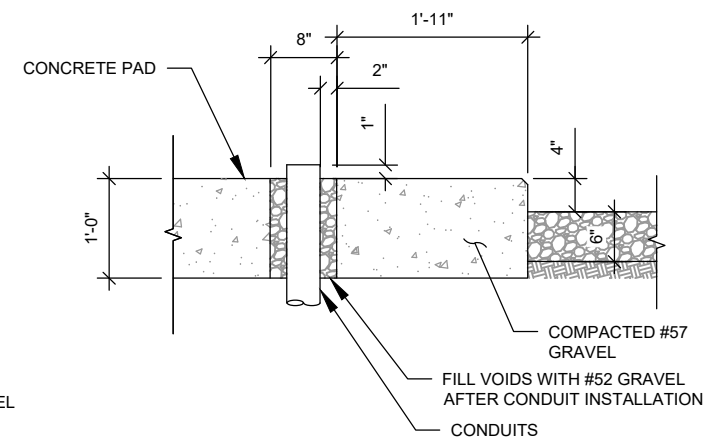
ATC JOB NO: 14430730_G2
CUSTOMER ID: SALEM SOUTH CT
CUSTOMER #: 765832

**CONSTRUCTION
DETAILS**

SHEET NUMBER: **C-502**
REVISION: **1**



NOTE:
THIS DESIGN ASSUMES A 1500
PSF SOIL BEARING PRESSURE

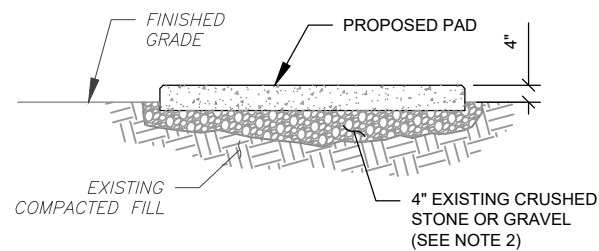


2 GENERATOR CONDUIT STUB UP DETAIL
SCALE: N.T.S.

PAD NOTES:

- PADS SHALL BE PRE-CAST MATCHING THIS DESIGN WHERE ALLOWED BY LOCAL JURISDICTION.
- REFER TO CONCRETE & REINFORCED STEEL NOTES ON SHEET G-002 & ATC SPEC 033000 FOR CAST-IN-PLACE PADS.

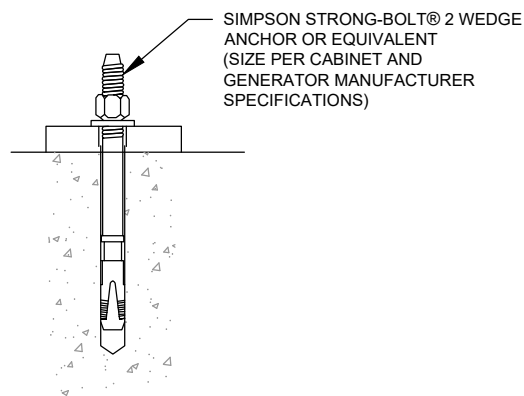
1 CONCRETE EQUIPMENT PAD DESIGN
SCALE: N.T.S.



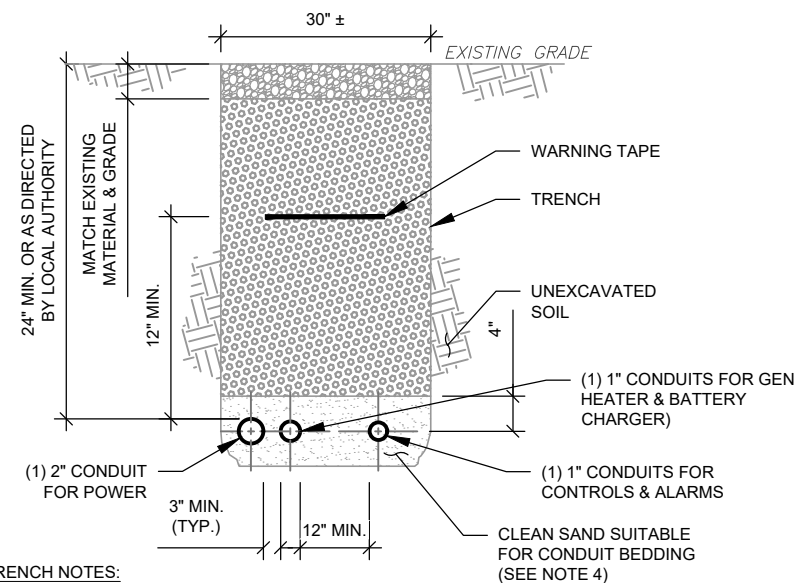
PAD NOTES:

- SUBGRADE AND FILL SHALL CONSIST OF CLEAN SOIL. DELETRIOUS MATERIAL AND ORGANICS SHALL BE REMOVED.
- MECHANICALLY COMPACT FOOTPRINT OF PAD PLUS 2' PERIMETER.
- USE GALVANIZED HILTI EXPANSION ANCHORS OR, APPROVED EQUAL, FOR EQUIPMENT ANCHORAGE.
- FOR SIZE AND LOCATION OF ANCHORS AND OTHER REQUIREMENT, SEE EQUIPMENT VENDOR DRAWINGS.

3 GRAVEL PREPARATION
SCALE: NOT TO SCALE



4 EXPANSION ANCHOR DETAIL
SCALE: N.T.S.



TRENCH NOTES:

- IF FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL, EXCAVATED MATERIAL MAY BE USED FOR BACKFILL. IF NOT, PROVIDE CLEAN, COMPACTIBLE MATERIAL.
- COMPACT IN 8" LIFTS. REMOVE ANY LARGE ROCKS PRIOR TO BACKFILLING.
- CONTRACTOR TO VERIFY LOCATION OF EXISTING U/G UTILITIES PRIOR TO DIGGING. IF CURRENT AS-BUILT DRAWINGS ARE NOT AVAILABLE CONTRACTOR SHALL HAND DIG U/G TRENCHING.
- USE COMMUNICATIONS ONLY TRENCH FOR COMMUNICATIONS CONDUIT UNLESS TRAVELING UNDER PATH OF VEHICLE TRAVEL, THEN CONDUIT MUST BE 24" MIN. BELOW GRADE.
- CONFIRM SPACING AND DEPTH WITH NEC OR LOCAL CODE REQUIREMENTS

5 GENERATOR CONDUIT TRENCH DETAILS
SCALE: N.T.S.



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REV.	DESCRIPTION	BY	DATE
A	PRELIM	VL	05/10/23
0	FINAL	VL	12/14/23
1	FINAL	VL	01/22/24

ATC SITE NUMBER:

10027

ATC SITE NAME:

SALEM CT

VERIZON SITE NAME:

SALEM SOUTH CT

SITE ADDRESS:

153 EAST HADDAM ROAD
SALEM, CT 06420-3903

SEAL:



ATC JOB NO: 14430730_G2
CUSTOMER ID: SALEM SOUTH CT
CUSTOMER #: 765832

CONSTRUCTION
DETAILS

SHEET NUMBER:

C-503

REVISION:

1



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REV.	DESCRIPTION	BY	DATE
A	PRELIM	VL	05/10/23
0	FINAL	VL	12/14/23
1	FINAL	VL	01/22/24

ATC SITE NUMBER:
 10027
 ATC SITE NAME:
 SALEM CT
 VERIZON SITE NAME:
 SALEM SOUTH CT
 SITE ADDRESS:
 153 EAST HADDAM ROAD
 SALEM, CT 06420-3903

SEAL:

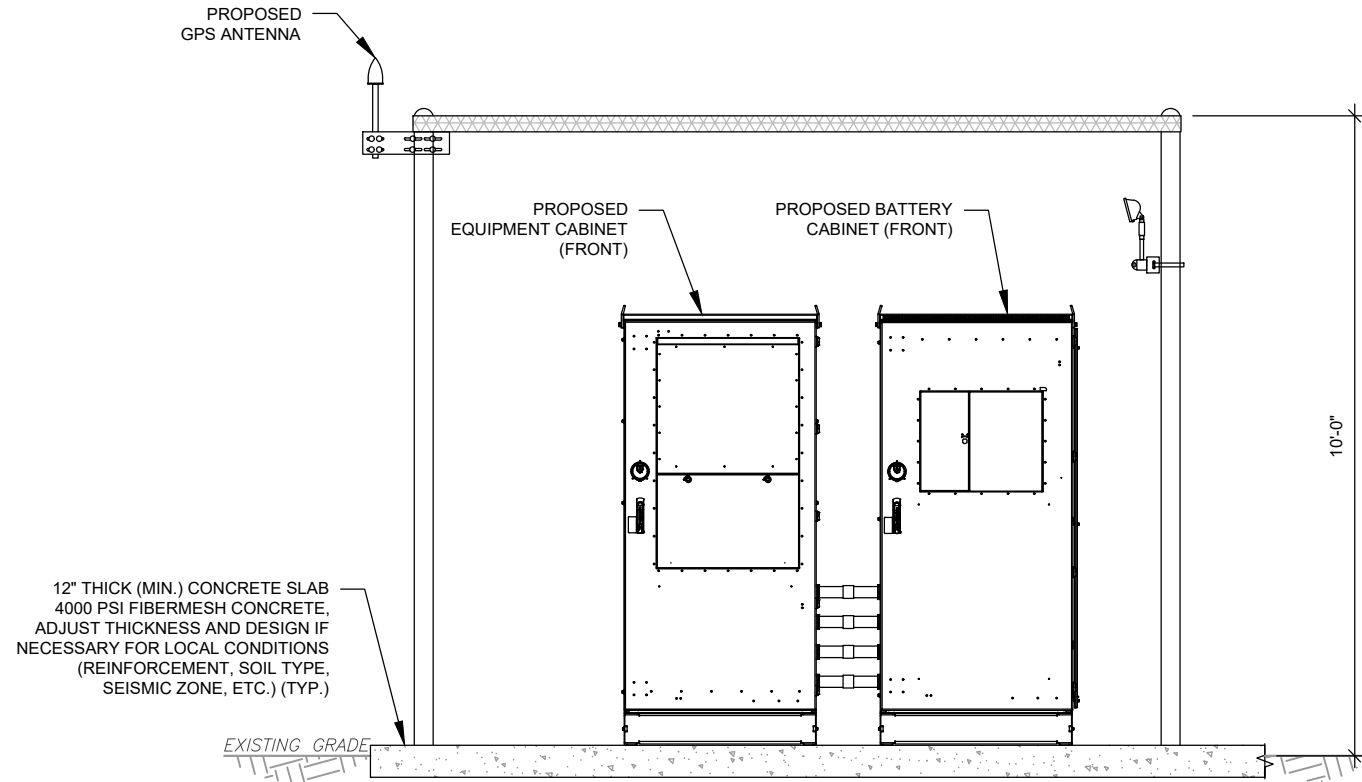


ATC JOB NO: 14430730_G2
 CUSTOMER ID: SALEM SOUTH CT
 CUSTOMER #: 765832

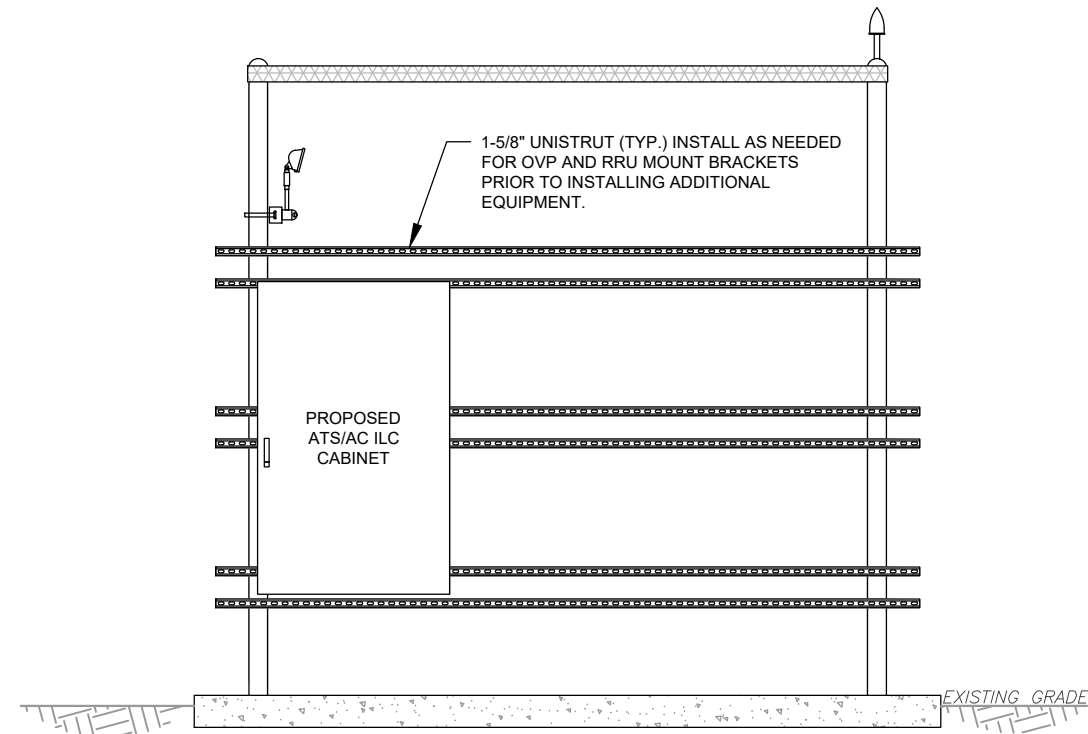
**CONSTRUCTION
 DETAILS**

SHEET NUMBER: **C-504**
 REVISION: **1**

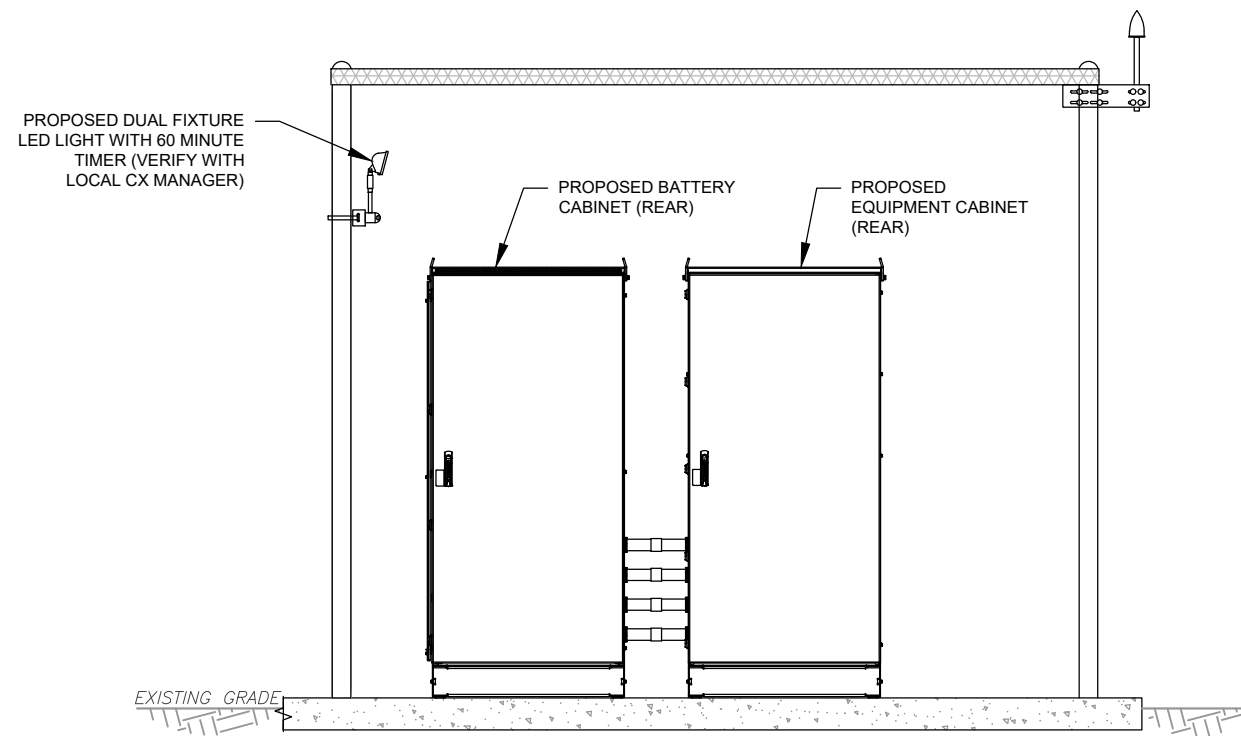
- NOTES:**
- INTERCONNECTING CONDUITS SHALL BE INSTALLED AT OR ABOVE GRADE.
 - BOTTOM OF OVP'S SHALL NOT EXCEED 36" ABOVE FINISHED GRADE.



FRONT VIEW

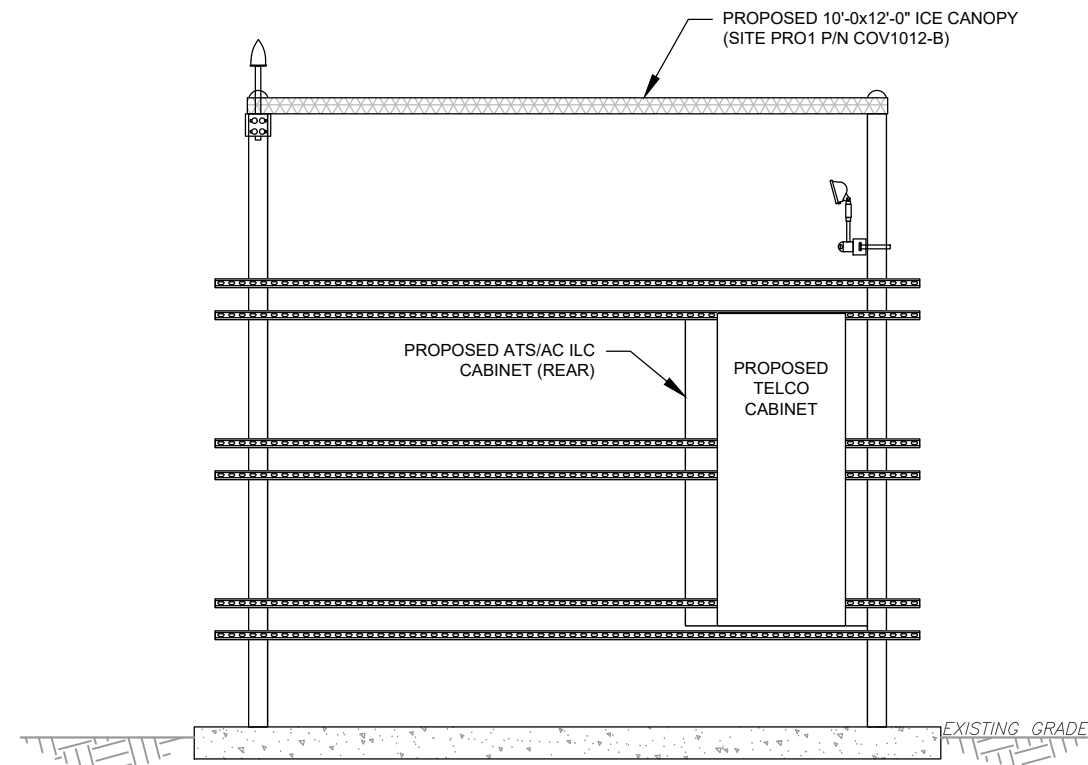


FRONT VIEW



REAR VIEW

1 DETAILED CABINET LAYOUT
 SCALE: NOT TO SCALE



REAR VIEW

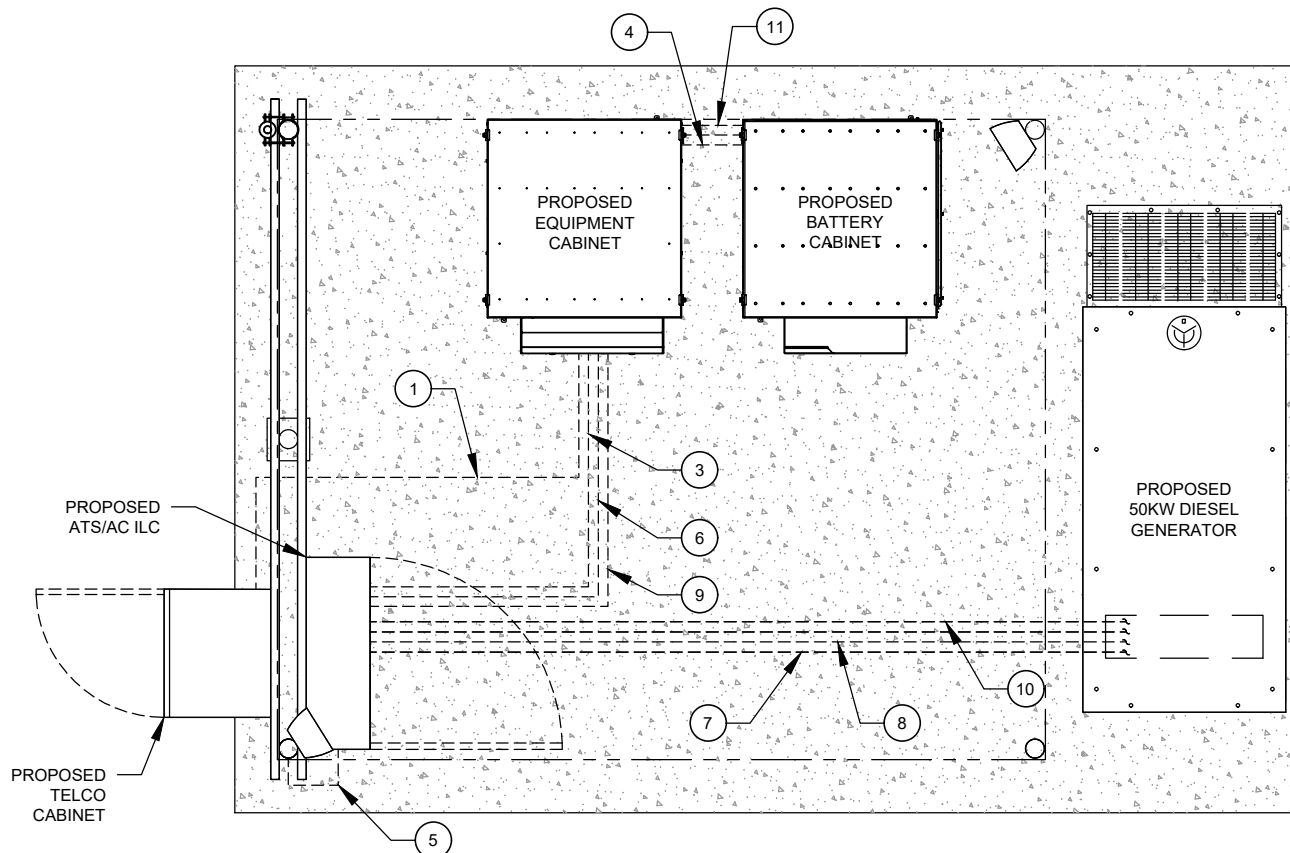
2 DETAILED H-FRAME LAYOUT
 SCALE: NOT TO SCALE

CONDUIT KEYED NOTES:

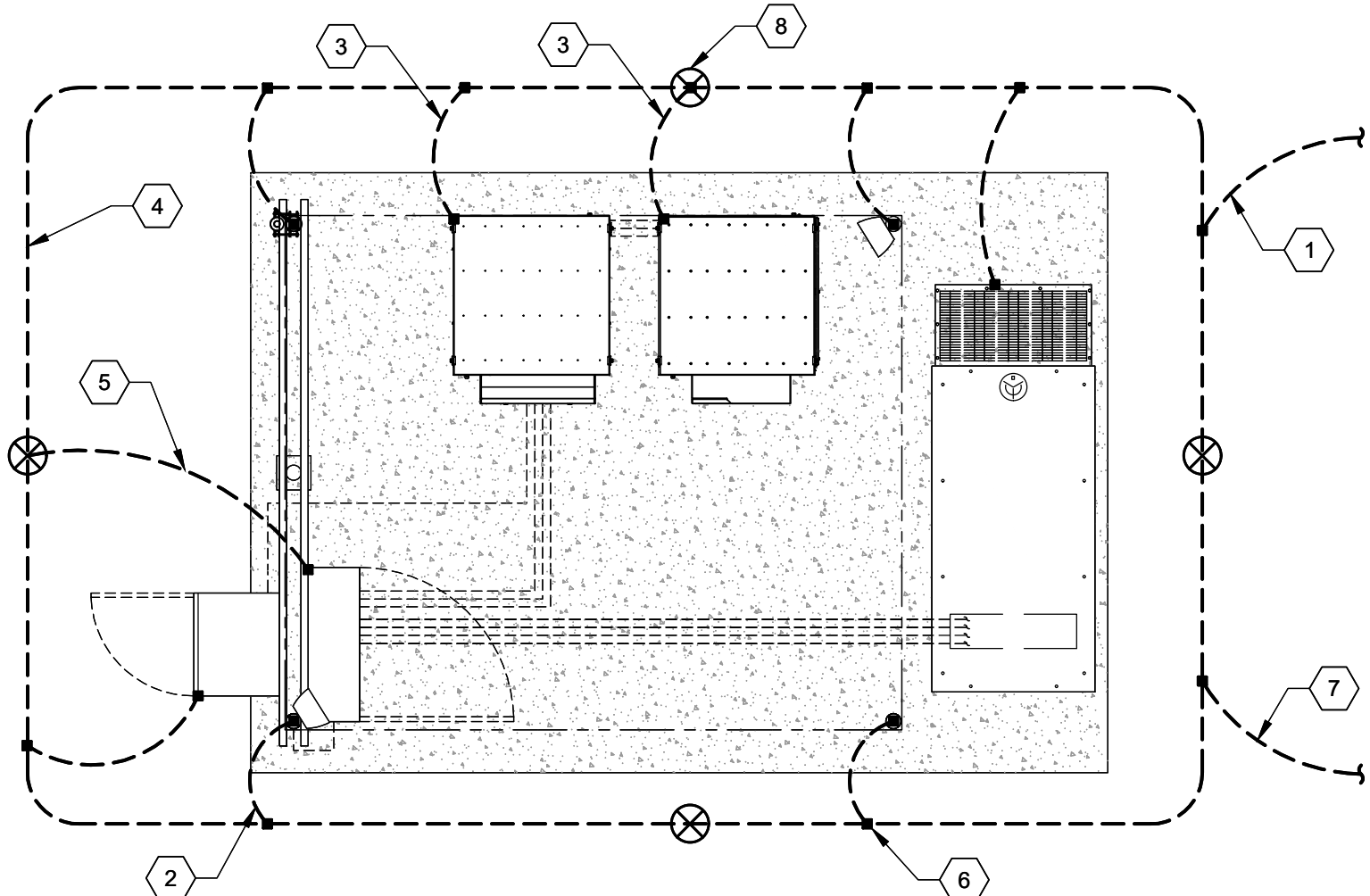
- FIBER CONDUITS**
- ① (1) 2" SCH. 40 PVC CONDUIT WITH MULE TAPE FROM TELCO BOX TO THE EQUIPMENT CABINET.
- ② 3" CONDUIT FROM TELCO CABINET TO TELCO GROUND VAULT
- AC POWER CONDUITS**
- ③ (1) 2-1/2" CONDUIT WITH (12) #10 & (1) #10 G FROM THE ILC TO THE EQUIPMENT CABINET FOR (4) 30 AMP 2-POLE CIRCUITS.
- ④ (2) 3" CONDUIT WITH (2) 4/0 AWG CABLES FROM 5-STRING BATTERY CABINET TO EQUIPMENT CABINET.
- ⑤ (1) 1" CONDUIT WITH (2) #12 & (1) #12 G FROM ILC TO GFI RECEPTACLE/LIGHT. LIGHT SWITCH. CONTINUE 1" TO 2ND LIGHT.
- ⑥ (1) 2" CONDUIT WITH PULLSTRING FOR FUTURE RECTIFIER CIRCUITS FROM EQUIPMENT CABINET TO ILC.
- ⑦ (1) 2" CONDUIT WITH (3) #1/0 & (1) #6 G FROM THE ILC TO THE GENERATOR.
- ⑧ (1) 1" CONDUIT WITH (4) #12 & (1) #12 G FROM ILC TO GENERATOR. (GEN HEATER & BATTERY CHARGER)
- ALARM/MISCELLANEOUS CONDUITS**
- ⑨ (1) 1" CONDUIT FROM ILC TO EQUIPMENT CABINET FOR ILC ALARMS.
- ⑩ (2) 1" CONDUIT FROM ILC TO GENERATOR [(1) FOR GEN CONTROLS, (1) FOR ALARMS].
- ⑪ (1) 1" CONDUIT FROM BATTERY CABINET TO EQUIPMENT CABINET FOR ALARMS.

NOTE:

BELOW GRADE CONDUIT SHALL BE SCHEDULE 80 PVC. ABOVE GRADE CONDUIT SHALL BE GALVANIZED RIGID CONDUIT. BELOW GRADE PVC CONDUIT SHALL TRANSITION TO GRC PRIOR TO RISING ABOVE GRADE. ALL BENDS SHALL HAVE MINIMUM 24" RADIUS. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. VERIFY CONDUIT TYPE WITH LOCAL CONSTRUCTION MANAGER AND ADJUST AS NECESSARY. ALL CONDUIT SHALL MEET NEC, STATE, AND LOCAL CODE REQUIREMENTS AS REQUIRED.



① DETAILED CONDUIT LAYOUT
SCALE: N.T.S.



GROUNDING KEYED NOTES:

- ① BOND TO TOWER GROUND RING
- ② #2 AWG BOND FROM VERTICAL H-FRAME AND ICE BRIDGE POST TO EXTERNAL GROUND RING (TYP. EVERY POST).
- ③ EQUIPMENT BOND TO GROUND RING (TYP.).
- ④ #2 GROUND RING
- ⑤ GROUNDING ELECTRODE CONDUCTOR PER NEC
- ⑥ GROUNDING ELECTRODE (TYP.)
- ⑦ BOND TO COMPOUND GROUND RING
- ⑧ GROUNDING ELECTRODE WITH TEST WELL

② DETAILED GROUNDING LAYOUT
SCALE: N.T.S.



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REV.	DESCRIPTION	BY	DATE
A	PRELIM	VL	05/10/23
0	FINAL	VL	12/14/23
1	FINAL	VL	01/22/24

ATC SITE NUMBER:
10027
ATC SITE NAME:
SALEM CT
VERIZON SITE NAME:
SALEM SOUTH CT
SITE ADDRESS:
153 EAST HADDAM ROAD
SALEM, CT 06420-3903

SEAL:

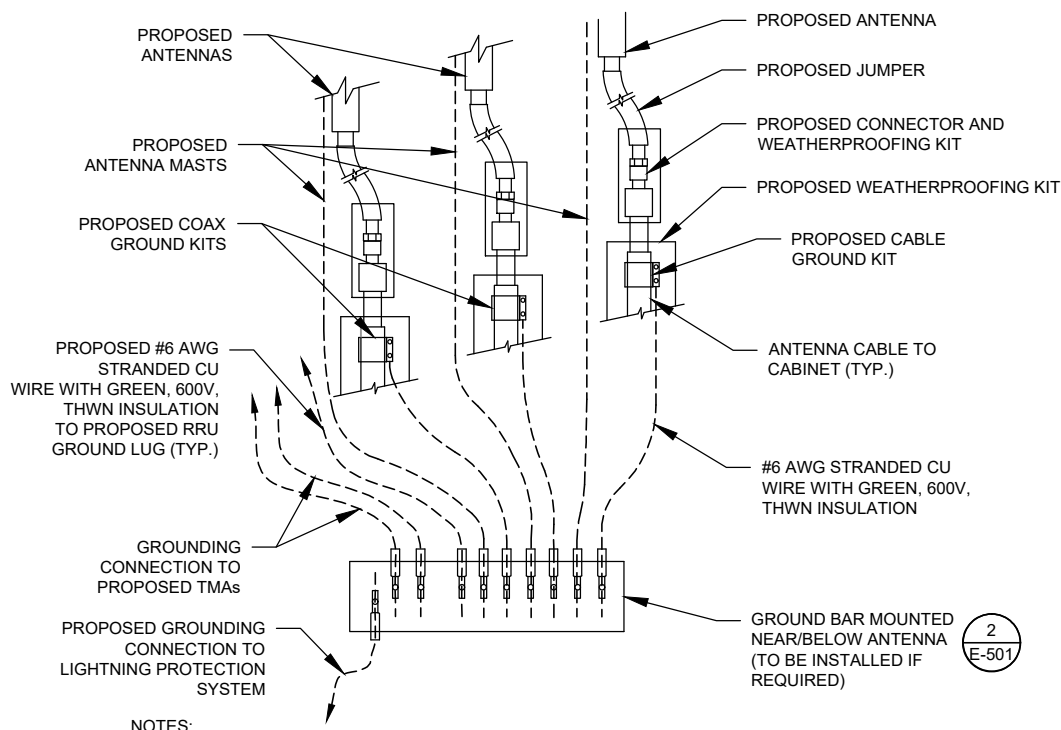


ATC JOB NO: 14430730_G2
CUSTOMER ID: SALEM SOUTH CT
CUSTOMER #: 765832

GROUNDING PLAN & NOTES

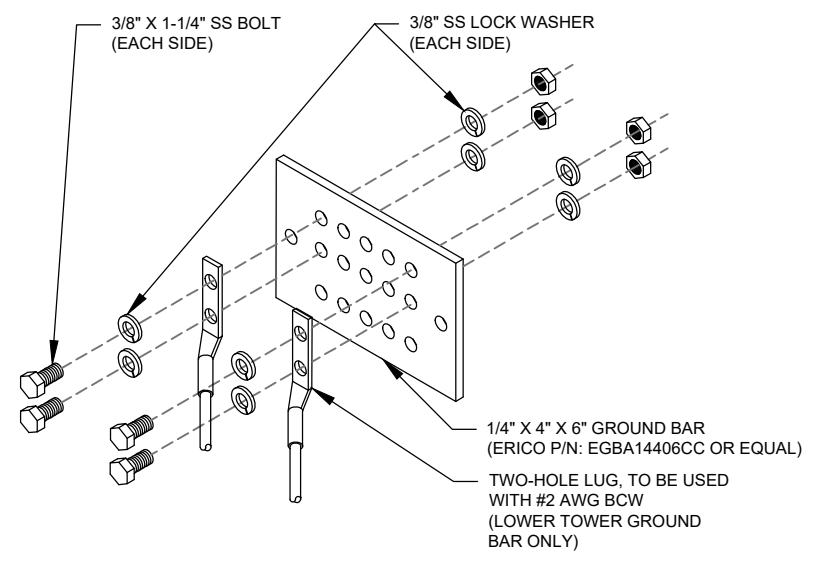
SHEET NUMBER:
E-101
REVISION:
1

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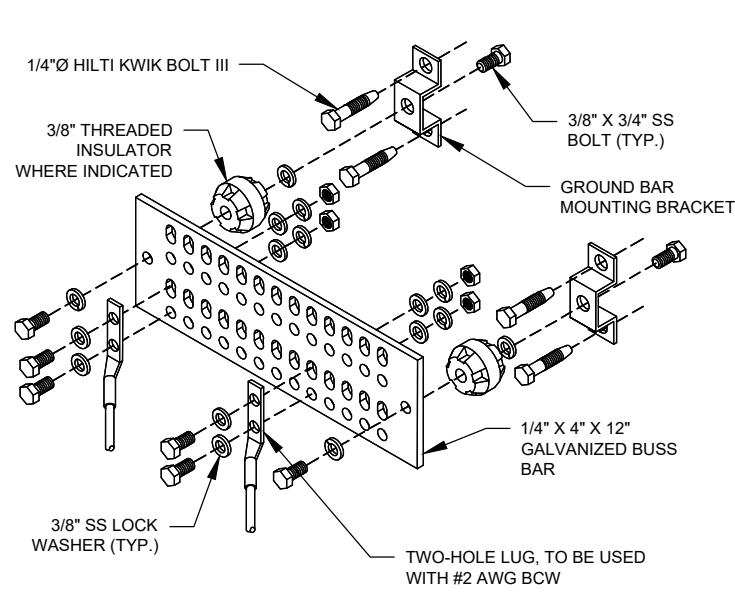
- NOTES:**
1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
 2. SITE GROUNDING SHALL COMPLY WITH VERIZON GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH VERIZON GROUNDING CHECKLIST, LATEST VERSION, WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

1 TYPICAL ANTENNA GROUNDING DIAGRAM
SCALE: N.T.S.



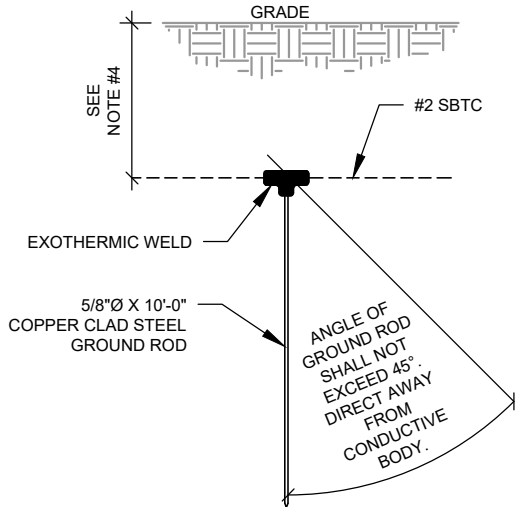
- GROUND BAR NOTES:**
1. GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
 2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

2 TOWER GROUND BAR DETAIL
SCALE: N.T.S.



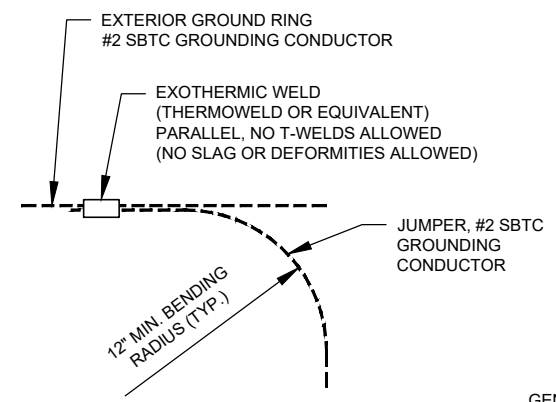
- GROUND BAR NOTES**
1. GROUND KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
 2. GROUND BAR SHALL BE BOLTED TO STRUCTURAL MEMBER OR ANCHORED TO CONCRETE SLAB W/ HILTI KWIK BOLT III.

3 MAIN GROUND BAR DETAIL
SCALE: N.T.S.

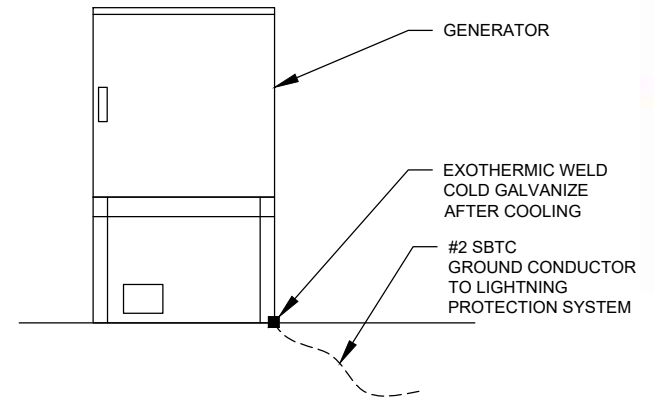


- NOTES:**
1. SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS.
 2. COORDINATE UTILITY, LOCATE BEFORE DIGGING.
 3. CONDUIT TRENCHING DEPTHS AT 36\"/>

4 GROUND ROD DETAIL
SCALE: N.T.S.



5 TIE CONNECTION DETAIL
SCALE: N.T.S.



- GENERATOR INSTALLATION NOTE:**
- INSTALL GENERATOR AND TRANSFER SWITCH WITH ALL SUPPLIED ACCESSORIES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SPECIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, ACCESSORIES FOR THE EXHAUST SYSTEM, FUEL SYSTEM, ENCLOSURE INTEGRITY (CAPS, PLUGS, COVERS, ETC.), ELECTRICAL CONNECTIONS, AND GROUNDING CONNECTIONS.

6 GENERATOR GROUNDING
SCALE: N.T.S.



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REV.	DESCRIPTION	BY	DATE
A	PRELIM	VL	05/10/23
0	FINAL	VL	12/14/23
1	FINAL	VL	01/22/24

ATC SITE NUMBER:
10027

ATC SITE NAME:
SALEM CT

VERIZON SITE NAME:
SALEM SOUTH CT

SITE ADDRESS:
153 EAST HADDAM ROAD
SALEM, CT 06420-3903



ATC JOB NO: 14430730_G2
CUSTOMER ID: SALEM SOUTH CT
CUSTOMER #: 765832

GROUNDING DETAILS

SHEET NUMBER:
E-501

REVISION:
1

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PANEL DESIGNATION: VZW		TYPE: LIGHTING & APPLIANCE	SYSTEM: 120/240V, 3W, 30 CKT	LOCATION: VZW LEASE AREA
MOUNTING: SURFACE		ENCLOSURE: NEMA 3R	MAIN BREAKER (MB): MLO	PANEL NOTES: A SCO D300L SERIES
			MAIN BUS RATING: 200A	
			MIN. A.I.C. RATING: 65K	

CONNECTED LOAD (KVA)		BRIEF DESCRIPTION	FEEDER OR BRANCH CIRCUIT			FEEDER OR BRANCH CIRCUIT			CONNECTED LOAD (KVA)	
A	B		BREAKER		POLE NO.	BREAKER		POLE NO.	A	B
			AMPS	POLES			AMPS			
2.88		RECTIFIER	30	2	1			2		0.00
	2.88				3			4		
2.88		RECTIFIER	30	2	5			6		0.00
	2.88				7			8		
2.88		RECTIFIER	30	2	9			10		0.00
	2.88				11			12		
2.88		RECTIFIER	30	2	13			14		0.00
	2.88				15			16		
0.68		GFI RECEPT / LIGHT	20	1	17			18		0.00
	1.92	GEN BLOCK HEATER	20	1	19			20		0.00
1.92		BATTERY CHARGER	20	1	21			22		0.00
	0.00	SPACE			23			24		0.00
0.00		SPACE			25			26		0.00
	0.00	SPACE			27			28		0.00
0.00		SPACE			29			30		0.00
14.1	13.4								0.0	0.0
					A	B	TOTAL			
					14.1	13.4	27.6	CONNECTED LOAD (KVA)		
					14.1	13.4	27.6	DEMAND LOAD (KVA)		
								DERATING FACTOR (80%)		
								DEMANDLOAD SIZING: 147 AMPS		



AMERICAN TOWER®



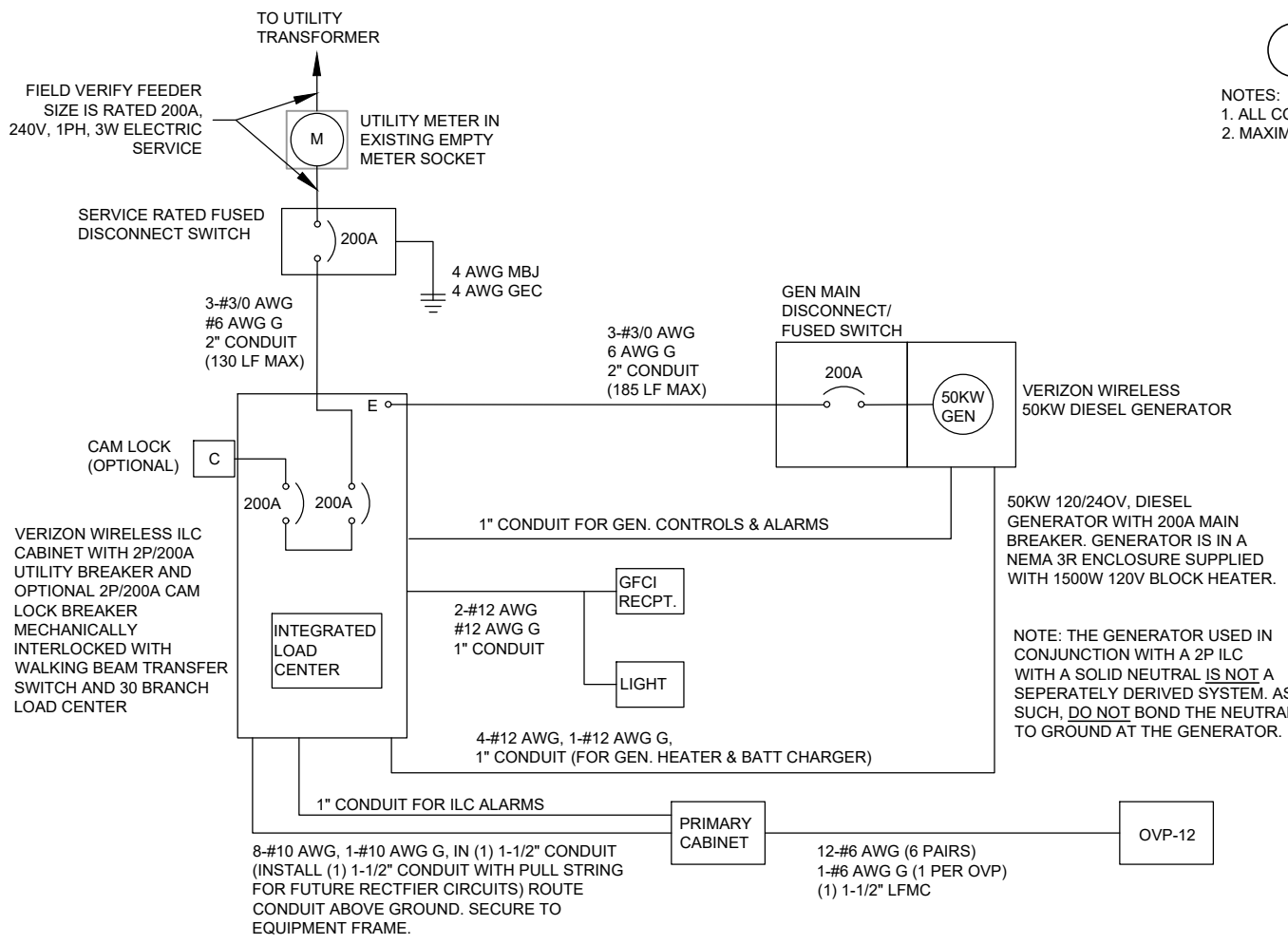
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REV.	DESCRIPTION	BY	DATE
△ A	PRELIM	VL	05/10/23
△ 0	FINAL	VL	12/14/23
△ 1	FINAL	VL	01/22/24
△			
△			

ATC SITE NUMBER: 10027
 ATC SITE NAME: SALEM CT
 VERIZON SITE NAME: SALEM SOUTH CT
 SITE ADDRESS: 153 EAST HADDAM ROAD
 SALEM, CT 06420-3903

1 PANEL SCHEDULE


- NOTES:
 1. ALL CONDUCTORS ARE TYPE THWN (75°C) COPPER.
 2. MAXIMUM LENGTH OF RUN FOR RECTIFIER CIRCUITS IS 50 FT.



2 ELECTRICAL SINGLE LINE DIAGRAM

- NOTES:
 1. ALL EQUIPMENT SHALL BE NEMA 3R RATED.
 2. ALL EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH TIA-222-G AND VERIZON WIRELESS STANDARDS.
 3. CONDUCTOR SIZES AND DISTANCES HAVE BEEN SIZED FOR 3% MAX VOLTAGE DROP. (TOTAL SYSTEM VOLTAGE DROP ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE FARTHEST DEMAND SHALL NOT EXCEED 5%)
 4. WIRE SIZING AND MAXIMUM DISTANCE FROM GENERATOR TO ILC ASSUMES POWER FACTOR OF 0.9.
 5. BELOW GRADE PVC CONDUIT SHALL TRANSITION TO RMC PRIOR TO RISING ABOVE GRADE, ALL BENDS SHALL HAVE A MINIMUM 24" RADIUS. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. VERIFY CONDUIT TYPE WITH LOCAL CONSTRUCTION MANAGER AND ADJUST IF NECESSARY. ALL CONDUIT SHALL MEET NEC, STATE, AND LOCAL CODE REQUIREMENTS AS REQUIRED.

SEAL:

ATC JOB NO: 14430730_G2
 CUSTOMER ID: SALEM SOUTH CT
 CUSTOMER #: 765832

ONE-LINE & PANEL SCHEDULE

SHEET NUMBER: E-601
 REVISION: 1

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Antenna Summary											
Added Antenna											
700	850	1900	AWS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	Install Type	Quantity
				5G	Samsung	MT6413-77A	164	165.2	340(1),100(2),20(3)	PHYSICAL	3
LTE	5G,LTE	LTE	LTE		COMMSCOPE	NHH-65B-R2B	164	167	340(1),100(2),20(3)	PHYSICAL	6

Removed Antenna											
700	850	1900	AWS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	Install Type	Quantity

Retained Antenna											
700	850	1900	AWS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	Install Type	Quantity

Added: 9	Removed: 0	Retained: 0
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Non Antenna Summary										
Added Non Antenna										
Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Install Type	Quantity
OVP	Tower							12 OVP	PHYSICAL	1
Hybrid Cable	Tower						N/A	6x12 Hybrid Cable	PHYSICAL	2
RRU	Tower			LTE	LTE		Samsung	B2/B66A RRH ORAN (RF4439d-25A)	PHYSICAL	3
RRU	Tower					5G	Samsung	MT6413-77A	PHYSICAL	0
RRU	Tower	LTE	5G,LTE				Samsung	RF4461d-13A	PHYSICAL	3

Removed Non Antenna										
Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Install Type	Quantity

Retained Non Antenna										
Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Install Type	Quantity

Added: 9	Removed: 0	Retained: 0
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ATC JOB NO: 14430730_G2
 CUSTOMER ID: SALEM SOUTH CT
 CUSTOMER #: 765832

SUPPLEMENTAL

SHEET NUMBER:
R-601

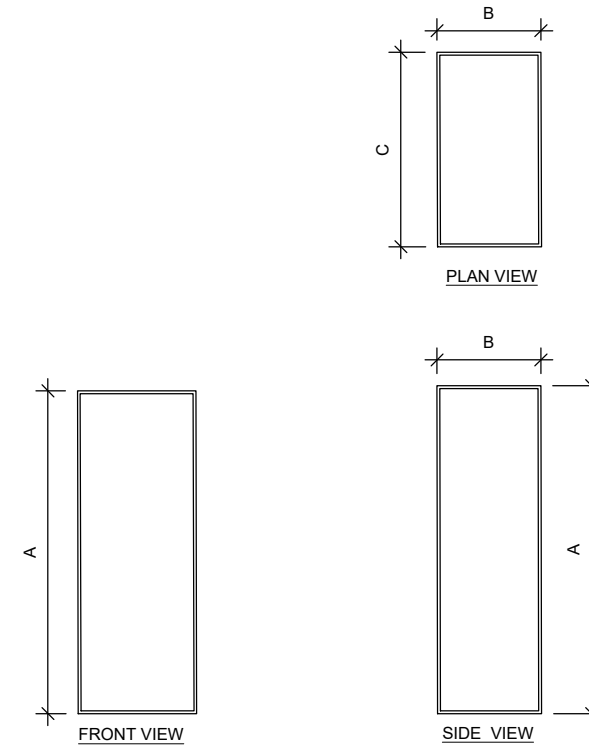
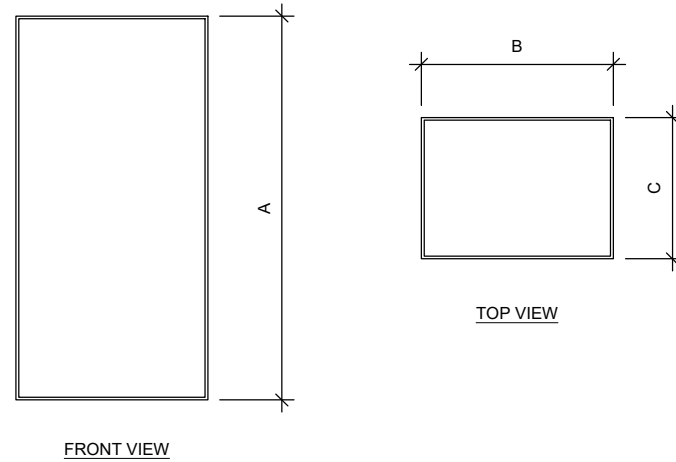
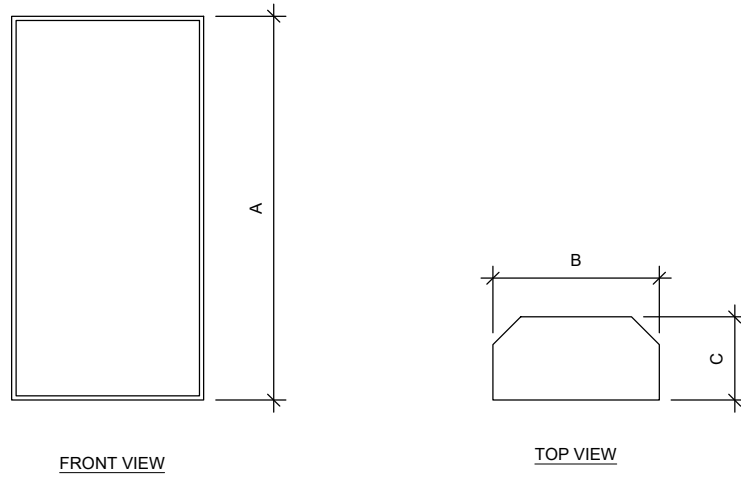
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1 ANTENNA SPECIFICATIONS
 FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
NHH-65B-R2B	72.0"	11.9"	7.1"	43.7
MT6413-77A	29.5"	15.8"	5.5"	55.1

2 RRU SPECIFICATIONS
 FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
B2/B66A RRH ORAN (RF4439D-25A)	15.0"	15.0"	10.0"	74.7
RF4461D-13A	15.0"	15.0"	10.2"	79.1

3 OVP SPECIFICATIONS
 FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

OVP SPECIFICATIONS				
OVP MODEL	A	B	C	WEIGHT (LBS)
RCMDC-6627-PF-48	29.5"	16.5"	12.6"	32.0



ATC JOB NO: 14430730_G2
 CUSTOMER ID: SALEM SOUTH CT
 CUSTOMER #: 765832

SUPPLEMENTAL

SHEET NUMBER:
R-602