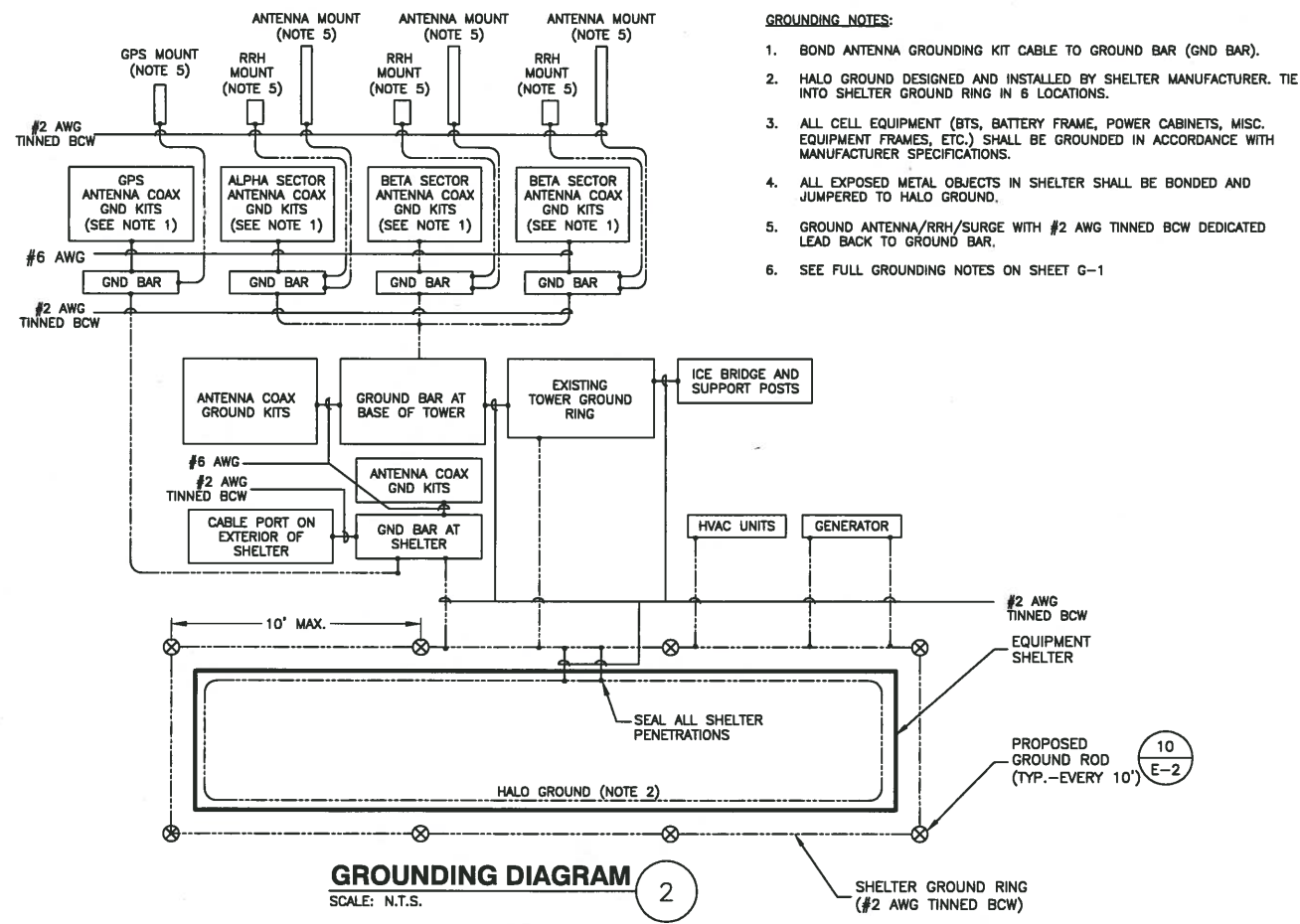


- NOTES:**
1. FINAL POWER AND TELCO DESIGN AND ROUTING TO BE CONFIRMED WITH VERIZON WIRELESS C.M., LOCAL UTILITY COMPANY AND PROPERTY OWNER PRIOR TO CONSTRUCTION.
  2. TIE ELECTRICAL SERVICE INTO PROPOSED GENERATOR/TRANSFER SWITCH. CONFIRM ALL WIRE SIZES PRIOR TO CONNECTION.
  3. ELECTRICAL DESIGN PENDING FINAL UTILITY DESIGN. COORDINATE THE NEW SERVICE METER INSTALLATION WITH LOCAL UTILITY.

**ONE LINE RISER DIAGRAM**  
SCALE: N.T.S.

**OUTDOOR ELECTRICAL GENERAL NOTES**

1. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT. CONTRACTOR IS RESPONSIBLE FOR ALL FIELD VERIFICATION.
2. THESE PLANS ARE DIAGRAMMATIC ONLY, AND NOT TO BE SCALED.
3. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC. FOR A COMPLETE AND PROPERLY OPERATIVE SYSTEM ENERGIZED THROUGHOUT AND AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
4. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORY AND SHALL BEAR THE INSPECTION LABEL "J" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH APPROVAL OF THE DIVISION OF INDUSTRIAL SAFETY AND ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA, AND NBFU.
5. ALL CONDUIT INSTALLED SHALL BE SURFACE MOUNTED UNLESS OTHERWISE NOTED.
6. ELECTRICAL CONTRACTOR SHALL CARRY OUT HIS WORK IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY, LOCAL ELECTRICAL CODES AND O.S.H.A.
7. ELECTRICAL CONTRACTOR SHALL SECURE ALL NECESSARY ELECTRICAL PERMITS, AND PAY ALL REQUIRED FEES.
8. COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF NO LESS THAN ONE YEAR AFTER THE DATE OF JOB ACCEPTANCE BY OWNER. ANY WORK, MATERIAL, OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION AT THE EXPENSE OF THE CONTRACTOR.
9. ALL CONDUIT ONLY (C.O.) SHALL HAVE A PULL WIRE OR ROPE.
10. PROVIDE THE OWNER WITH ONE SET OF COMPLETE ELECTRICAL "AS BUILT" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS AND CIRCUITS, WITHIN 10 WORKING DAYS OF PROJECT COMPLETION.
11. ALL BROCHURES, OPERATION MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO PROJECT MANAGER AT JOB COMPLETION.
12. USE T-TAP CONNECTIONS ON ALL MULTI-CIRCUITS WITH COMMON NEUTRAL CONDUCTOR FOR LIGHTING FIXTURE.
13. ALL CONDUCTORS SHALL BE COPPER.
14. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED, AND A MINIMUM OF 10,000 A.I.C.
15. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES.
16. PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
17. IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC. IT MUST BE CLEARLY UNDERSTOOD THAT TENDONS AND REBARS WILL NOT BE DRILLED INTO, CUT, OR DAMAGED UNDER ANY CIRCUMSTANCES.
18. LOCATION OF TENDONS AND RE-BARS ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT VIA X-RAY, OR OTHER DEVICES THAT CAN ACCURATELY LOCATE THE REINFORCING STEEL TENDONS.
19. ALL EXISTING UNDERGROUND LINES ON SITE TO BE LOCATED PRIOR TO CONSTRUCTION.
20. SHELTER IS PRE-WIRED AND TESTED AT FACTORY. COORDINATE FINAL POWER CONNECTION WITH LOCAL INSPECTOR.
21. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND/OR CATALOG CUT-SHEETS ON ALL NON-SPECIFIED ORIGINAL MATERIALS AND EQUIPMENT.
22. UPON COMPLETION OF WORK, CONDUCT CONTINUITY SHORT CIRCUIT, AND FALL OF POTENTIAL GROUNDING TEST WITH WRITTEN REPORT SUBMITTED TO THE PROJECT MANAGER FOR REVIEW AND APPROVAL.
23. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.
24. ALL EXTERIOR WALL PENETRATIONS SHALL BE SILICONE SEALED.
25. ALL DOWNLEADS #2 TINNED COPPER TO BE PROTECTED BY 1/2" P.V.C. PIPE AND SECURED TO SHELTER OR TOWER.
26. COMPRESSION FITTINGS TO BE USED ON ALL "EMT" CONDUITS (NO SETSCREWS).
27. ALL #6 STRANDED COPPER WITH GREEN INSULATION TO BE ATTACHED WITH CRIMPED DOUBLE LUG BOLTED ATTACHED WITH CAD PLATED BOLTS AND STAR WASHERS TYPICAL AND NO-OX GREASE.
28. COORDINATE ALL METER WORK WITH METER BANK OWNER AND LOCAL UTILITY COMPANY.



- GROUNDING NOTES:**
1. BOND ANTENNA GROUNDING KIT CABLE TO GROUND BAR (GND BAR).
  2. HALO GROUND DESIGNED AND INSTALLED BY SHELTER MANUFACTURER. TIE INTO SHELTER GROUND RING IN 6 LOCATIONS.
  3. ALL CELL EQUIPMENT (BTS, BATTERY FRAME, POWER CABINETS, MISC. EQUIPMENT FRAMES, ETC.) SHALL BE GROUNDED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
  4. ALL EXPOSED METAL OBJECTS IN SHELTER SHALL BE BONDED AND JUMPED TO HALO GROUND.
  5. GROUND ANTENNA/RRH/SURGE WITH #2 AWG TINNED BCW DEDICATED LEAD BACK TO GROUND BAR.
  6. SEE FULL GROUNDING NOTES ON SHEET G-1

**GROUNDING DIAGRAM**  
SCALE: N.T.S.



VERIZON WIRELESS  
400 FRIBERG PARKWAY  
WESTBOROUGH, MA 01581-3956

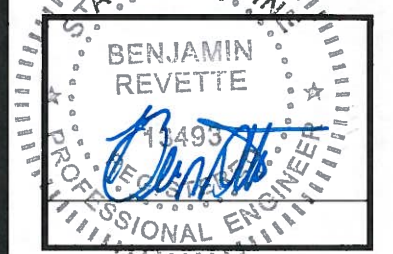
**PORTLAND 6 ME**

**CONSTRUCTION DRAWINGS**

2	09/23/14	FOR SUBMITTAL
1	08/25/14	FOR SUBMITTAL
A	08/18/14	FOR COMMENT



Dewberry Engineers Inc.  
280 SUMMER STREET  
10TH FLOOR  
BOSTON, MA 02210  
PHONE: 617.695.3400  
FAX: 617.695.3310



DRAWN BY: MR

REVIEWED BY: MFT

CHECKED BY: BBR

PROJECT NUMBER: 50002925

JOB NUMBER: 50062235

SITE ADDRESS

25 CHURCH AVE  
PEAKS ISLAND, ME 04108

SHEET TITLE

ELECTRICAL RISER DIAGRAM

SHEET NUMBER

E-3