PROJECT REFERENCE NO. I-4400C RGC FOR DMS **ELECTRICAL POWER EQUIPMENT** RGC WITH DMS SIGNAL/CONTROL/ COMMUNICATION WIRES CABINET **EQUIPMENT CABINET** DISCONNECT METER BASE / DISCONNECT COMBINATION PANEL WITH PEDESTAL EXTENSION STANDARD ELBOWS W/5.75" MIN. RADIUS FOR DMS SIGNAL/CONTROL/ **COMMUNICATION WIRES** 1/4 INCH GROUNDING LUG #4 AWG MIN.— SOLID BARE COPPER WIRE #4 AWG MIN. SOLID 24 INCH 24 INCH 24" MIN. DEPTH BARE COPPER WIRE MIN. DEPTH MIN. DEPTH `----3 SEE NOTE 1 & 3 ELECTRICAL SERVICE DROP -CONDUCTORS INSTALLED BY UTILITY COMPANY 5/8" X 10' MIN. COPPER CLAD STEEL GROUNDING ELECTRODES, 10'-20' APART 5/8" X 10' MIN. COPPER CLAD STEEL GROUNDING ELECTRODES, 10'-20' APART

NOTES:

1. INSTALL A MINIMUM OF 3 GROUND RODS SPACED A MINIMUM OF 10 FEET APART. ENSURE THAT EXISTING

UNDERGROUND FACILITIES ARE NOT DAMAGED DURING INSTALLATION.

2. TEST GROUNDING SYSTEM USING AN APPROVED METHOD. SYSTEM SHALL MEASURE TWENTY (20) OHMS OR LESS.

ADDITIONAL GROUND RODS SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER TO MEET THIS REQUIREMENT.

3. ALL CONNECTIONS TO GROUND RODS SHOULD BE MADE WITH AN IRREVERSIBLE MECHANICAL CRIMP METHOD.

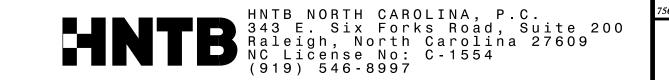
4. INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES AND CONDUCTORS AT A DEPTH OF 12 INCHES.

5. REMOVE BONDING JUMPER IN EQUIPMENT CABINET IF INSTALLED BETWEEN AC NEUTRAL AND EQUIPMENT GROUND.

6. BOND ALL RIGID GALVANIZED STEEL CONDUITS ENTERING THE CABINET TO EQUIPMENT GROUND.

7. INSTALL CONDUIT BETWEEN DISCONNECT AND CABINET.

8. ENSURE EQUIPMENT GROUND IS ELECTRICALLY BONDED TO EQUIPMENT CABINET.





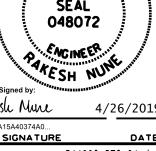


NONE

NEW ELECTRICAL SERVICE AND GROUNDING DETAIL

Division 13/14 Buncombe/Henderson Asheville PLAN DATE: November 2018 REVIEWED BY: T.R. Terrell PREPARED BY: Atizaz Ali REVIEWED BY: N.R. Simmons

REVISIONS Rakesh Mure CADD Filename: I4400C ITS-24.dgn



POFESSION 1