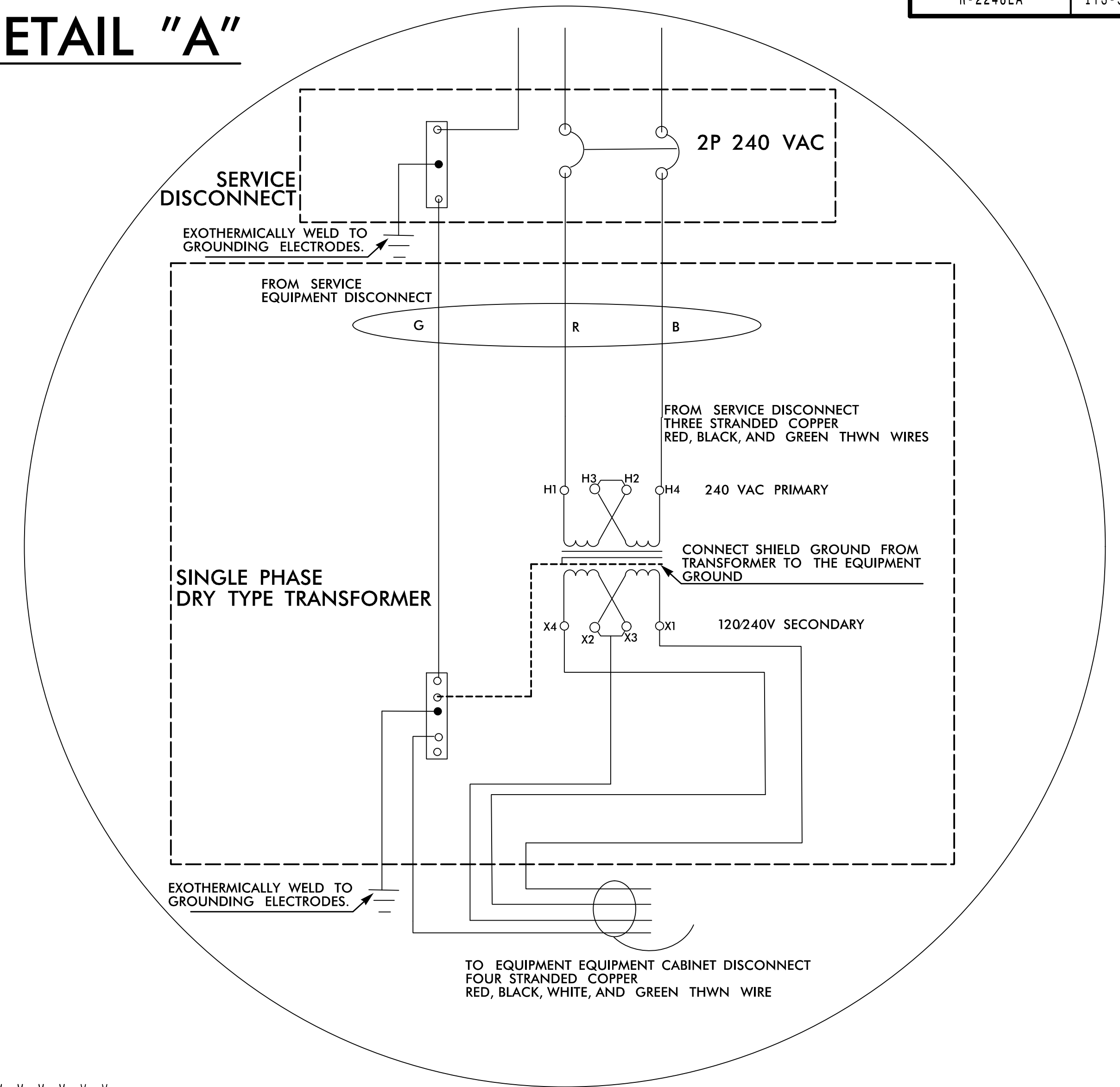
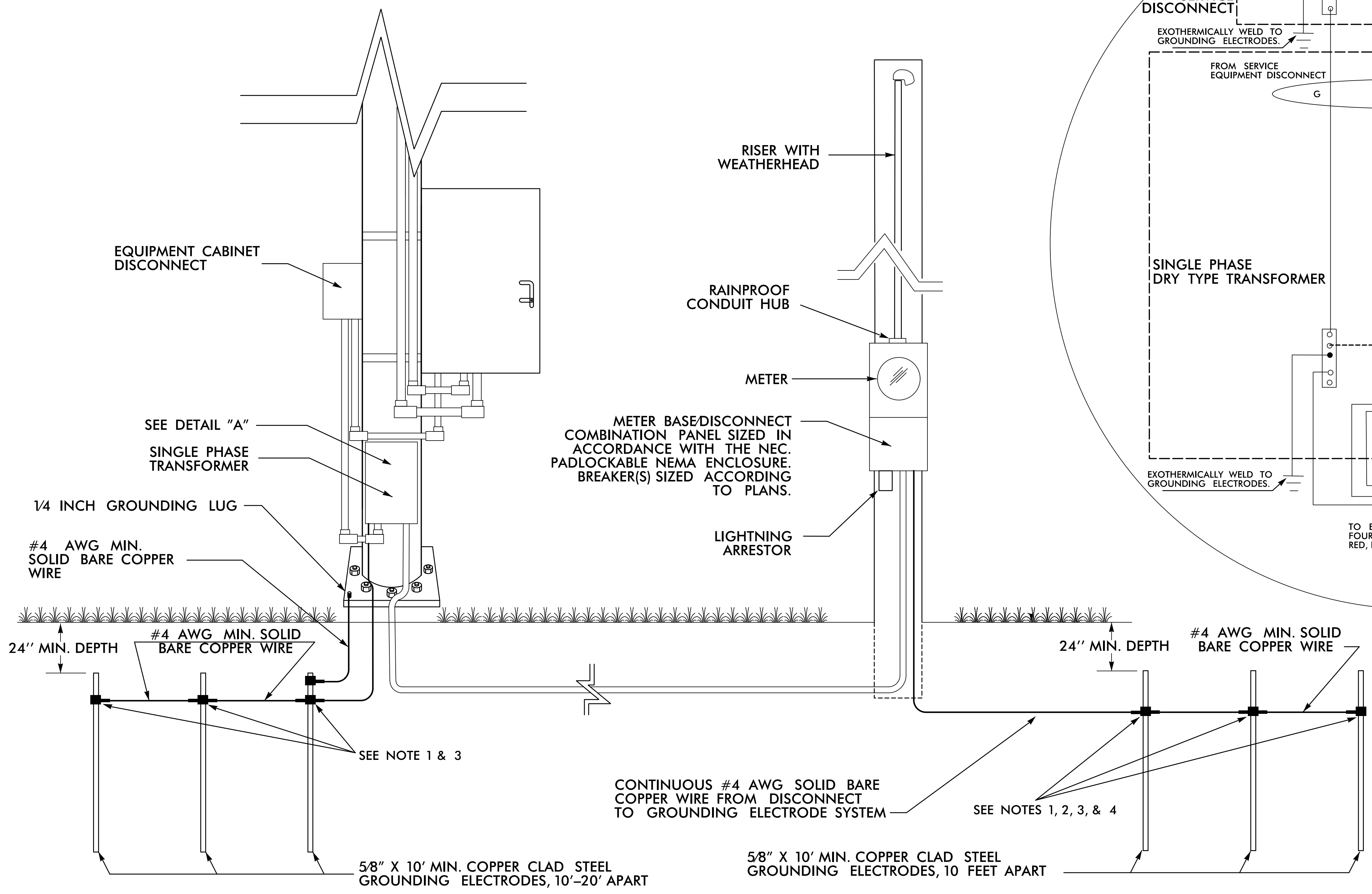


# DETAIL "A"



## NOTES

- INSTALL A MINIMUM OF 3 GROUND RODS SPACED A MINIMUM OF 10 FEET APART. ENSURE THAT EXISTING UNDERGROUND FACILITIES ARE NOT DAMAGED DURING INSTALLATION.
- 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.
- EXOTHERMICALLY WELD ALL CONNECTIONS TO GROUND RODS.
- INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES AND CONDUCTORS AT A DEPTH OF 12 INCHES.
- REMOVE BONDING JUMPER IN EQUIPMENT CABINET IF INSTALLED BETWEEN AC NEUTRAL AND EQUIPMENT GROUND.
- BOND ALL RIGID GALVANIZED STEEL CONDUITS ENTERING THE CABINET TO EQUIPMENT GROUND.
- INSTALL CONDUIT BETWEEN DISCONNECT, TRANSFORMER, AND CABINET.
- ENSURE EQUIPMENT GROUND IS ELECTRICALLY BONDED TO EQUIPMENT CABINET.
- CONNECTIONS TO ISOLATION TRANSFORMER AS SHOWN IN DETAIL "A" ARE GENERIC.

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|  | DYNAMIC MESSAGE SIGN 2<br>NEW ELECTRICAL SERVICE AND<br>ISOLATION TRANSFORMER<br>ISOLATION DETAIL WITH<br>GROUNDING DETAIL |  |
|  | DIVISION 10 MECKLENBURG CO., CHARLOTTE<br>PLAN DATE: FEBRUARY 2015<br>PREPARED BY: T.R. TERRELL                            | REVIEWED BY: A.D. KLINSIEK<br>REVIEWED BY: H.L. WINSTEAD |
| SCALE: NONE  | REVISIONS:   | INIT. DATE   |
| DocuSigned by: H.L. Winstead, Jr. 02-04-2015<br>SIGNATURE DATE<br>CADD File Name: R2248EA ITS-53.dgn |  |  |