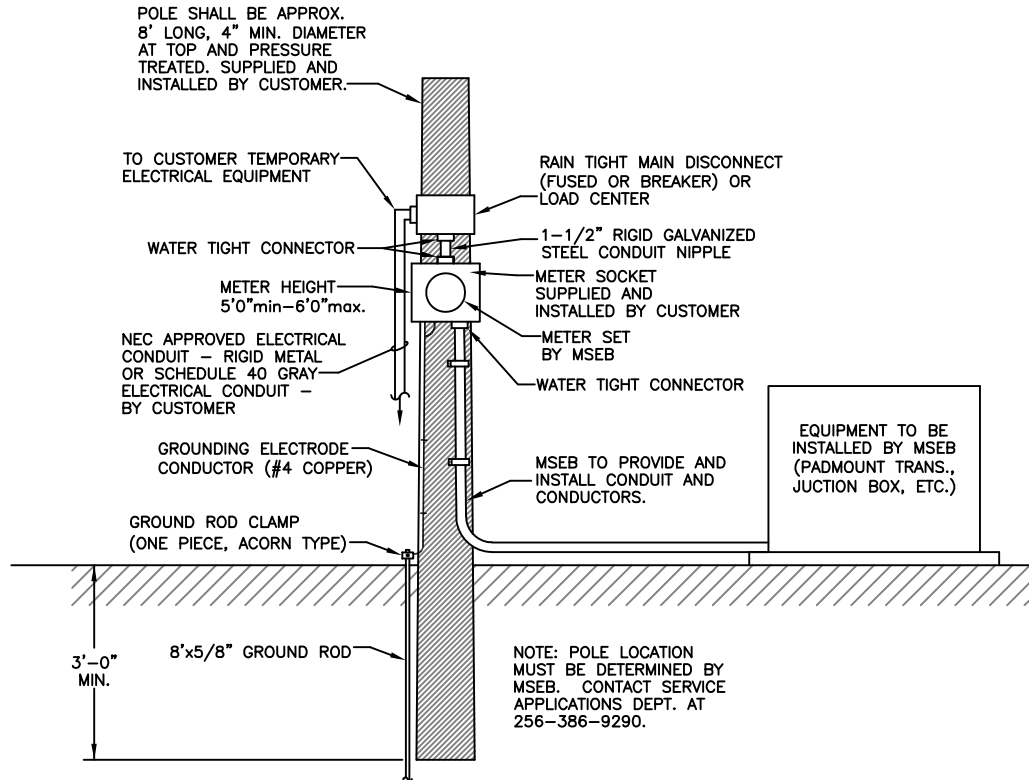




UNDERGROUND SERVICE TEMPORARY INSTALLATION



Service Entrance Conductor Sizes		
Table is for Type RHW, THHW, THW, THWN, XHHW		
Insulated Conductors Rated at 75°C		
RESIDENTIAL - SINGLE PHASE SERVICE IN CONDUIT 2 CONDUCTORS, PLUS 1 NEUTRAL		
COPPER CONDUCTORS		
Size Entrance Switch	Min. Conductor Size	Size Of Grounding Electrode Conductor COPPER ONLY (SOLID OR STRANDED)
100	3 #2	#4
200	3 #2/0	#2
400	3 #500 MCM	#1/0
400	2 runs 3 #3/0	#1/0
600	2 runs 3 #350 MCM	#2/0

NOTES:

- THIS DIAGRAM IS INTENDED FOR USE AS A GUIDE. ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT EDITION OF THE NESC AND NEC, EXCEPT THAT LOCAL CODES AND REGULATIONS HAVING JURISDICTION SHALL TAKE PRECEDENCE.
- ALL CLEARANCES TO BE IN CONFORMANCE TO THE MOST STRINGENT REQUIREMENTS OF EITHER THE NESC, NEC, OR OTHER CODES OF GOVERNMENTAL OR REGULATING AUTHORITIES AS APPLICABLE.
- ROD-TYPE ELECTRODES OF STAINLESS STEEL AND COPPER, OR ZINC COATED STEEL SHALL BE AT LEAST 5/8" IN DIAMETER. RODS SHALL BE NOT LESS THAN 8' IN LENGTH.
- GROUND CLAMPS SHALL BE LISTED FOR THE MATERIALS OF THE GROUNDING ELECTRODE AND THE GROUNDING ELECTRODE CONDUCTOR, AND SHALL ALSO BE LISTED FOR DIRECT SOIL BURIED OR CONCRETE ENCASEMENT.
- THE GROUNDING ELECTRODE CONDUCTOR SHALL BE RUN TO THE SERVICE NEUTRAL.
- SUPPLY AND INSTALL RECEPTACLES AS DESIRED. RECEPTACLES SHOULD BE WP GFCI, WITH UPSTREAM PROTECTION AS PER NEC.
- ROD-TYPE ELECTRODES OF STAINLESS STEEL AND COPPER, OR ZINC COATED STEEL SHALL BE AT LEAST 5/8" IN DIAMETER. RODS SHALL BE NOT LESS THAN 8' LENGTH.
- GROUND CLAMPS SHALL BE LISTED FOR THE MATERIALS OF THE GROUNDING ELECTRODE AND THE GROUNDING ELECTRODE CONDUCTOR, AND SHALL ALSO BE LISTED FOR DIRECT SOIL BURIED OR CONCRETE ENCASEMENT.
- THE GROUNDING ELECTRODE CONDUCTOR SHALL BE RUN TO THE SERVICE NEUTRAL.