

ELECTRICAL DISTRICT NUMBER TWO, PINAL COUNTY
TYPICAL UNDERGROUND RESIDENTIAL METER INSTALLATION
 Single Phase 120/240 VOLT

MATERIAL LIST

This is a list of material for a normal underground residential meter installation. It is not intended to be all inclusive but gives the more common requirements. All equipment shall comply with EUSERC requirements and all specifications found in the ED2 Electric Service Requirements.

1. Meter socket and breaker panel must be rain tight equipment. Meter socket jaws or clips shall be free of foreign material (mud, paint, plaster, etc.) RINGLESS METER SOCKETS ARE NOT ACCEPTABLE.

2. Neutral landing block.

3. Install a bonding jumper or screw if the neutral landing block is insulated from the enclosure.

4. Approved hub, must be water tight.

5. The ground wire (minimum #4 bare solid copper) shall be continuous from the neutral landing block to an approved grounding electrode system in compliance with NEC Article 250. The ground wire must be properly supported and attached to the residence at 24" intervals.

6. Rigid metal conduit 2-1/2".

7. Approved grounding electrode system:

a. 5/8" x 8' long ground rod and approved clamp. Entire length of rod to be below grade.

b. 20' of bare #4 copper wire installed in concrete footer.

Note: Enough wire to reach main disconnect enclosure must extend outside concrete footer.

8. Provide and install a 2-1/2" rigid metal sweep (24" radius).

GENERAL NOTES

1. Meter socket and trench location to be specified by ED2 Representative.

2. Meter socket and breaker panel shall be UL listed as equipment suitable for use as service equipment and EUSERC approved.

3. Meter socket and breaker panel to be solidly mounted to the side of residence.

4. If more than one meter to the premises - each meter shall be permanently identified by the Customer to properly identify that portion of the premises being served. Metal stamping or a metal tag is required. Painted identification is not acceptable.

5. All materials or work furnished by the Customer shall be in accordance with all applicable codes or standards.

