

ELECTRICAL DISTRICT NUMBER TWO, PINAL COUNTY
TYPICAL MOBILE HOME METER PEDESTAL INSTALLATION
 Single Phase 120/240 VOLT

MATERIAL LIST

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

1. Meter socket breaker compartments and pull section 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. Breaker compartment.
3. Pedestal bond lug. May be a bond screw in some models.
4. Customer's neutral landing block.
5. Service termination lugs shall be twin #2 to #350 kcmil aluminum bodied pressure type for in and out connection of the service conductors.
6. The ground wire (a minimum #4 bare solid copper) shall be continuous from the neutral landing block in the breaker compartment to a grounding electrode system in compliance with NEC Article 250. The ground wire must be properly supported and attached to the outside of the pedestal at 24" intervals When attaching the ground wire to the pedestal, the method of attachment shall not result in sharp projections, such as metal screws into the wireway below the neutral landing block. See illustration at right for preferred method of installing the ground electrode conductor.
7. Access to utility pull section shall not be blocked in any manner. Pull section shall be sealable. No customer wiring or equipment is allowed in this area.
8. Poured concrete slab shall be 24" x 24" minimum size and have a 4" minimum thickness.
9. Provide and install a Sch. 40, 2 1/2" sweep (24" radius), and a minimum 3' stub out of Sch. 40, 2 1/2" conduit. Conduit to extend a minimum of 1" and a maximum of 4" above the concrete slab. Consult ED2 Representative to determine trench location.
10. Approved ground electrode clamp shall be buried flush or protected from physical damage. Clamp shall be designed for underground use. Ground rod shall not be installed in or beneath the concrete slab. Approved grounding electrode system 5/8" x 8' long ground rod and approved clamp . Entire length of rod to be below grade.

GENERAL NOTES

1. Meter location to be specified by ED2 Representative.
2. Pedestal shall be UL listed (as equipment suitable for use as service equipment) and EUSERC approved. That portion of pedestal buried in concrete and earth shall be coated with an approved corrosion resistant material such as zinc, cadmium, or enamel to withstand deterioration.

3. Pedestal and meter shall have a minimum rating of 100 amps.
4. Pedestal and power outlet section shall be rated 10,000 AIC minimum.
5. The socket shall be factory-wired with the conductor in a separate or guarded wireway from the service termination lugs to the meter socket. The conductors that extend to the meter socket shall be connected at the service termination lugs independent of the connections for the service lateral conductors.
6. Service cable pull and termination section shall be covered with a sealable, removable panel extending from at least 2" to 6" above the concrete pad and when removed give full access to the service termination lugs.
7. The pedestals at grade line shall have a minimum cross-sectional dimension of 4" x 8" The fixed panel for the final grade and concrete pours shall extend 2" to 6" above grade and a minimum of 18" below grade. The pedestal shall extend 24" below grade.
8. The customer shall be responsible for the final grade of the meter pedestal concrete slab and the included meter pedestal.
9. Minimum meter height shall be 42".
10. See reverse side for trenching details.

