

JEFFERSON DAVIS ELECTRIC COOPERATIVE, INC.

J.D.E.C. METER POLE SPECIFICATIONS

PERMANENT AND TEMPORARY

MAXIMUM-200 AMP SERVICE

It shall be the consumer's responsibility to be in compliance with the National Electrical Code (N.E.C.) and any Governing Authority for all equipment beyond the point for connection. The customer is advised to use the service of a qualified electrician to assure compliance with all codes and regulations.

Description:

Permanent-Mobile homes, camps, water wells, and any other connections not considered temporary

Temporary-Construction, special events, etc.

Meter poles are furnished and installed by consumer. Specifications shown on the drawing and described here shall be considered minimum requirements.

- Permanent: meter pole must be a treated round pole with a minimum top diameter of 6" (inches). It shall be the consumer's responsibility to secure the pole in a vertical position. If the ground is not adequate to support the pole, a guy will have to be installed by the consumer.
- Temporary: meter pole/timber must be 20' (feet) in length and be set 5' (feet) deep. A temporary meter pole/timber must be treated, with a minimum size of 4"x6" (inches). A temporary meter pole/timber with a service length of 75' (feet) or greater must be braced as shown on the Temporary Meter Pole/Timber Drawing.
- Service entrance conduit furnished and installed by consumer. Service entrance conduit shall be Schedule 80 PVC or rigid conduit (NO EMT) and shall be sized in accordance with the National Electrical Code or Governing Authority. A minimum of 3 conduit straps are required, with one (1) strap being no more than 12" (inches) from the weather head.
- Service entrance conductors from the point of connection to meter base, to main disconnect, furnished and installed by consumer. Service entrance conductors shall be sized according to load, as required by the National Electrical Code or Governing Authority. The neutral of service entrance conductors can be two (2) sizes smaller than the other conductors and shall be identified with gray or white tape at the weather head and in the meter base. An extension of 18" (inches) of service conductor is required at the weatherhead. Load side of meter base must be in compliance with National Electrical Code.

- Main disconnect, either a single main or a main in a distribution panel, furnished and installed by consumer. Main disconnect shall be sized according to load, as required by the National Electrical Code or Governing Authority. Main disconnects and any other electrical equipment that is exposed to the elements must be of a weatherproof and watertight design.
- The meter base furnished by J.D.E.C. and installed by consumer. The meter base shall be mounted between 5' and 6" (feet) above finished grade, and face toward the open space.
- Meter base grounding, minimum, #6 soft drawn (s.d.) copper, in conduit from the meter base to the ground rod, furnished and installed by consumer. The meter base ground wire must be connected in the ground wire lug, where provided, and not in the service neutral lug. Ground wire from the meter base to the weather head, minimum, #6 soft drawn (s.d.) copper, is, furnished and installed by the consumer/member:
 

In cases where PVC or Romex is used: a ground wire (outside of the PVC or Romex) must extend 18" beyond the weatherhead. In cases where galvanized conduit is used a ground wire is not required.
- The pole grounding conductor shall be a minimum #6, bare, soft drawn copper wire and extend from 6" (inches) above the top of the meter pole to the ground rod. It is installed 90 degrees around the pole from the service entrance conduit. The pole-grounding conductor must be stapled, starting from the top of the pole at 2' (foot) intervals until point 6' (feet) above the ground is reached, then stapled every 6" (inches).
- Ground rods shall be 5/8" x 8' (inches/feet)-galvanized or 1/2" x 8' (inches/feet)-copper.
 

Permanent meter pole ground rods shall be set 1" (inch) below finished grade

Temporary meter pole ground rods can be set 4" (inches) above finished grade
- ALL UNUSED OR OPEN HOLES IN THE METER BASE, MAIN DISCONNECT OR DISTRIBUTION PANEL SHALL BE PLUGGED WITH WATERTIGHT PLUGS.
- INSPECTION: If a Governing Authority requires authorization, it will be acquired before J.D.E.C. will connect service.