

1. Pole provided and installed by Member. A metal pedestal assembly is available for purchase from the Cooperative.
2. Meter socket, disconnect switch, service entrance wires, and grounding wire and rod provided and installed by Member.
3. All conduit provided and installed by Member.
4. Service conductors provided and installed by the Cooperative.

Meter socket designed for underground service.

Rigid/intermediate metal (steel), rigid aluminum, EMT, or schedule 80 PVC grey conduit with U.V. protection.

Weatherproof enclosure with fuse or circuit breaker

Ground wire to be fastened to the pole and sized per table below.

Threaded coupling, adapter, or sleeve as appropriate (above ground)

6" max.

2'-6" min.  
36" Trench Depth Required

Member provides and installs PVC conduit from Cooperative's source to Member's meter pedestal. See table below.

36" Radius - Factory Bend Required

Consult Cooperative for proper location of pedestal.

Minimum 6" round or 4" x 6" treated pole or equivalent

6" min. (see note 5)

Customer is responsible for wiring to the meter, all conduit, neutrals, grounds, and bonding.

911 address shall be a minimum 3" lettering marked on meter enclosure, pole, or durable material attached to pole and should be visible from street. (see sections 1-3, 3, 4)

Conduit strap

5/8" X 8'-0" copper clad ground rod and clamp

Upper end of ground rod to be flush with or below grade.

4' to 6' Required

Conduit and service entrance wires to Member's premises per NEC and local code requirements. See table below.

3'-0" min. pole depth

**NOTES:**

1. Member facilities shall comply with Cooperative Standards, the NEC, and authorities having jurisdiction.
2. All underground conduit to be Schedule 40 PVC; elbows and risers to be Schedule 80 PVC. All connections to be well glued and water tight.
3. Member shall extend conduit to Cooperative's pole or underground system. Consult with Cooperative for details. (see drawings 8.6-2 and 8.6-3)
4. The location of underground cables shall be determined before digging.

**Member Installation Minimum Wire and Conduit Size**

Meter Size	Conduit Size	Aluminum (Insulation per NEC)	Copper (Insulation per NEC)	Neutral	Ground Wire Size
100A	2"	#2	#4	Same as phase	#6 CU
200A	2"	4/0	2/0	Same as phase	#4 CU
320A	3"	500 kcmil	350 kcmil	See NEC	#2 CU

**CALL 48 HOURS BEFORE YOU DIG – Dial 811**

**It shall be the Member's responsibility to stay clear of all underground facilities.**

**NOTICE**

**The Cooperative recommends that all work on the Member's facilities be performed by a qualified, licensed electrical contractor.**

**SINGLE PHASE METER PEDESTAL FOR UNDERGROUND SERVICE**

**(Field Assembled)**

**DRAWING 4.6-3**

August 2010

NOT TO SCALE



**First Electric Cooperative Corporation**