

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)

Maximum Recommended Distance	
Amps	Length
100	100'
200	75'
320	40'

20' to 21' Required Weatherhead Height

Note: A supply side disconnect is required for 480 volt service. See Drawing 7.7-1

4' to 6' Required

6" min.
(see note 9)

Member's service entrance cable/conduit depth per NEC

See table for distance

Drip loop must be at least 6 inches below weather head.

The Cooperative provides and installs meter pole, service drop conductors, and connects conductors to the Member's wires.

Neutral shall be marked at both ends with white tape. Neutral may be bare wire.

Service entrance wires and weatherhead provided and installed by Member (see table below). A minimum of 36" of each conductor shall extend beyond the weatherhead.

30' Class 6 pole provided and installed by Cooperative. Other than Member's service equipment, no other Member owned facilities shall be affixed to the pole.

15' conduit length required, with a minimum of 3 straps. Straps must be placed within 12" in the top and bottom of conduit and at the midpoint.

Rigid or intermediate steel, rigid aluminum, EMT, or Schedule 80 electrical PVC sized per table. Conduit and meter socket provided and assembled by Member. Cooperative will mount the service assembly on the pole at Member's request.

Meter socket for overhead service provided and installed by Member per Cooperative requirements.

Weatherproof main switch, fuse, or circuit breaker required. See NEC 550.32 for mobile home service.

Copper ground wire stapled to the pole and sized per table below.

Member provides and installs conduit and service entrance wires from meter pole to premises. Riser conduit from minimum 12" below ground level to service equipment is required.

5/8" x 8' copper clad ground rod and clamp provided and installed by Member. Upper end of ground rod to be flush with or below grade.

NOTES:

1. Member facilities shall comply with Cooperative Standards, the National Electrical Code, and authorities having jurisdiction.
2. All conduit connections to be raintight.
3. Physical location of pole and any guying and bracing (if needed) will be approved by the Company.
4. Any receptacle shall be a ground fault interrupting type.
5. CATV or telephone drop cables must be mounted at least 12" under the lowest point of the drip loop.
6. No utility service lines will be installed over any structures.
7. A main disconnect is required for seven or more circuit breakers. NEC 230.71.
8. Cooperative provides and installs point of attachment.
9. If the conduit between the meter socket and the main disconnect is not metal, a bonding ground is required (see section 13.5).
10. Point of attachment shall be either accessible to Cooperative's bucket truck or have enough surface (such as wall or building structure) and sufficient ground space on same Member's property to safely support a ladder.

CALL 48 HOURS BEFORE YOU DIG – Dial 811
It shall be the Member's responsibility to stay clear of all underground facilities.

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

NOTICE

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

UNDERGROUND SERVICE TO A PERMANENT LOCATION FROM AN OVERHEAD SOURCE
DRAWING 4.6-1

August 2010
 NOT TO SCALE

