



- Notes**
1. Member provides and installs: pole; bracing; service drop attachment; conduits; weatherhead; meter socket; disconnect switch; ground rod and wire; and all related materials. All work shall comply with Cooperative standards, the National Electrical Code, and authorities having jurisdiction. Refer to the *FECC member Installation Standards for Electric Service* for more information.
 2. The Cooperative provides the meter and service drop and makes connections at the weatherhead.
 3. This service shall be installed at a location mutually agreed upon by the member and the Cooperative. The location should be located away from traffic areas to avoid damage.
 4. Pole shall be minimum 6" round or 6"x6" treated wood. Pole length shall be minimum 17' or 21' depending on weatherhead height requirement. Pole shall be braced against service drop pull. See illustration below.
 5. Service drop attachment point: member installed 1/2" galvanized steel eyebolt and 2"x2" square washer required.
 6. Riser conduit shall be minimum 1" x 10' with straps top, bottom, and middle. All conduits to be electrical grade EMT, IMC, RMC, or Schedule 40 PVC. All conduit connections to be raintight. See table below for conduit size.
 7. Service entrance conductors shall extend 36" out of weatherhead; neutral shall be insulated and marked with white tape. When air conditioned or electrically heated construction trailers are to be served, minimum 100A rated service entrance wire is required. See table below.
 8. A main disconnect is required for 7 or more breakers. All receptacles shall be weatherproof and GFCI.
 9. Bonding jumper required if PVC conduit is used. Factory assembled combination meter & disconnect enclosure may also be used. See Section 11.1.2.

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

NOTICE

This drawing illustrates FECC requirements only, and is not intended to be a comprehensive guide for the installation of an electrical service. To insure a safe, quality installation that complies with the National Electrical Code and local codes, the Cooperative recommends that all electrical work be done by a qualified, licensed electrical contractor.

Member Installation Minimum Wire and Conduit Size

Service Rating	Conduit Size	Aluminum (Insulation per NEC)	Copper (Insulation per NEC)	Neutral	Ground Wire Size
60A (min.)	1"	#4	#6	Same as phase	#6 CU
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

Temporary Meter Pole
(Builder's Pole)
Served from Overhead Source
Single Phase Service up to 320A
DRAWING 4.5-1
 December 2011
 NOT TO SCALE

