



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 equipment and conduit connections shall be raintight. Any receptacles shall be weatherproof and GFCI. 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 sized per table below. Install conduit straps within 12" of weatherhead and meter, and along conduit with a maximum 3' spacing for conduit 1" or less, or 5' spacing for larger conduit. All conduits to be electrical grade EMT, IMC, RMC, or Schedule 80 PVC. All conduit connections to be raintight.
7. Service entrance conductors shall be sized per table below, and extend 36" out of weatherhead; neutral may be bare or shall be insulated and marked with white tape. When air conditioned or electrically heated construction trailers are to be served, minimum 100A rated service is required.
8. A main disconnect is required for 7 or more breakers. All receptacles shall be weatherproof and GFCI.
9. Meter and disconnect enclosures must be grounded and bonded together using special means per NEC 250.92. Standard locknuts or bushings are not acceptable.

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's installation minimum wire and conduit size

Service Rating	Phase Conductor	Conduit	Ground Wire	Neutral Conductor
60A Minimum	#6 CU	1"	#6 CU	Same as Phase
	#4 AL			
100A	#2 CU	1 1/2"	#6 CU	
	1/0 AL			
200A	3/0 CU	2"	#4 CU	
	250 AL			

Temporary Meter Pole
(Builder's Pole)
Underground Load Connection
Single Phase Meter up to 200A
DRAWING 4.5-1
 June 2014
 NOT TO SCALE

