



Notes

1. Member provides and installs the service entrance conductors, conduits, weatherhead, meter enclosure, service 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. Cooperative provides and installs the meter pole, meter, service drop attachment and conductors, and makes connections at the weatherhead. At member's request, Cooperative will assist with mounting service assembly on pole.
3. This service shall be installed at a location mutually agreed upon by the member and the Cooperative. The location should be immediately adjacent to a roadway or drive which is accessible at all times to Cooperative vehicles without having to cross yards, fields, ditches, or areas subject to flooding or irrigation.
4. Only the meter enclosure and service disconnect switch may be mounted on the Cooperative's pole. Controls panels or other member equipment must be mounted on a separate structure provided by the member (see Drawing 4.10-1).
5. Minimum 36" of conductor shall extend out of weatherhead. Cooperative will mount service assembly at member's request. Neutral shall be marked with white tape at both ends (bare conductor may also be used).
6. Riser conduit shall be at least 15' in length with 3 conduit straps required. Straps must be placed within 12" of the top and bottom of the conduit, and at the middle. See table below.
7. All conduits to be electrical grade EMT, IMC, RMC, or Schedule 40 PVC. All conduit connections to be raintight.
8. Bonding jumper is required if PVC conduit is used. A 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 code requirements, 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
	Single Phase	Three Phase				
100A	2"	3"	#2	#4	Same as phase	#6 CU
200A	2"	3"	4/0	2/0	Same as phase	#4 CU
320A	3"	4"	500 kcmil	350 kcmil	See NEC	#2 CU



First Electric Cooperative Corporation

Meter on Pole
(Mobile Home Service)
Single or Three Phase Service Up to 320A
DRAWING 7.1-3
 December 2011
 NOT TO SCALE