



Notes

1. Member provides and installs: post; service conductors; conduits; weatherhead; meter socket, 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 meter, and connects member's service conductor to the transformer or secondary pedestal.
3. This service shall be installed at a location mutually agreed upon by the member and the Cooperative. Service should be located away from traffic and work areas to avoid damage.
4. Service conductors shall be rated for direct burial. When air conditioned or electrically heated construction trailers are to be served, minimum 100A rated service entrance wire is required. See table below.
5. Member to trench to within 12" of pedestal or transformer, minimum depth of 24" required.
6. Meter socket shall be rated 100 amps minimum.
7. All conduits to be electrical grade EMT, IMC, RMC, or Schedule 40 PVC. All conduit connections to be raintight. 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. 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 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				
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 Pedestal
Served from Underground Source
Single Phase 240V Service Up to 320A

DRAWING 4.5-2

December 2011
 NOT TO SCALE



First Electric Cooperative Corporation