



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 equipment and conduit connections shall be raintight. All 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. 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. Size conductors per table below. 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 equipment is required.
5. Member to trench to within 12" of pedestal or transformer, minimum depth of 24" required.
6. See Section 11.1.2 and Drawing 11.8-1 for meter socket requirements.
7. Size conduit per table below. Conduits to be electrical grade EMT, IMC, RMC, or Schedule 80 PVC.
8. A main disconnect is required for 7 or more breakers.
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 code requirements, the Cooperative recommends that all 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 Pedestal
Served from Underground Source
Single Phase Meter Up to 200A

DRAWING 4.5-2

June 2014
 NOT TO SCALE



First Electric Cooperative Corporation