



- Notes**
1. Member provides and installs the service entrance conductors, conduits, weatherheads, 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 the meter pole, meter, service drop attachment and conductors, and makes connections at the weatherhead. At member's request, Cooperative will assist with mounting the 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.
 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. Source-side riser conduit shall be at least 15' in length with 3 conduit straps required. Load-side riser conduit must extend at least 10' above meter socket. Straps must be placed within 12" of the top and bottom of both conduits, and at the middle. All conduits to be electrical grade EMT, IMC, RMC, or Schedule 40 PVC. All conduit connections shall be raintight.
 6. Minimum 36" of conductor shall extend out of source-side weatherhead. Neutral conductor shall be marked with white tape at both ends (bare wire conductor may be used).
 7. Bonding jumper is required if PVC conduit is used. A factory assembled combination meter & disconnect enclosures may also be used. See Section 11.1.2
 8. Overhead service entrance conductors must be attached at sufficient height at pole and at member's premises to meet ground clearance requirements as required in NEC 225.18. Minimum 14' attachment height is recommended.
 9. Service entrance cable from meter pole to member's premises shall be of sufficient ampacity and type rated for outdoor use and supported on a suitable messenger. Pole attachment shall be a member installed 1/2" galvanized steel eyebolt with 2"x2" square washer.

20' to 21' required weatherhead height

14' min. attachment height. 20' required in areas subject to truck traffic.

4' Minimum - 6' Maximum

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 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
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

Overhead Meter on Pole
(Serving Overhead Load)
Single Phase 240V Service Up to 320A

DRAWING 7.1-4

December 2011
 NOT TO SCALE

