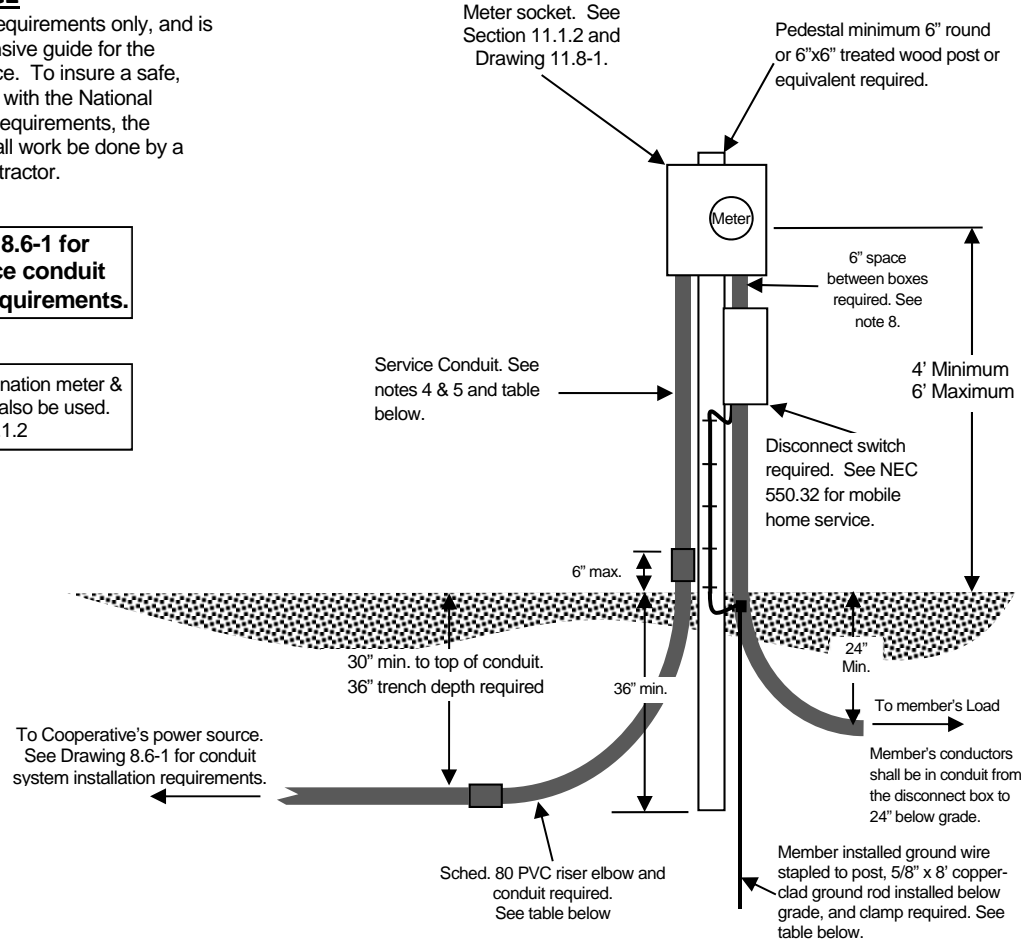


NOTICE

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.

Also see Drawing 8.6-1 for underground service conduit system installation requirements.

A factory assembled combination meter & disconnect pedestal may also be used. See Section 11.1.2



Notes

1. Member provides and installs: conduit from FECC source to meter; pedestal; meter socket; service 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. Cooperative provides and installs the meter and service lateral conductors from FECC transformer or secondary pedestal to the meter socket.
3. This service shall be installed at a location mutually agreed upon by the member and the Cooperative. See Drawing 4.6-2 for service location details.
4. Member shall install conduit system and pull-line to the Cooperative's power source. See Drawing 8.6-1 for conduit system requirements.
5. Above ground conduits and shall be electrical grade EMT, IMC, RMC, or Schedule 80 PVC. Meter riser shall be Schedule 80 PVC.
6. Riser elbow and conduit shall be Schedule 80 PVC; 2" for 100A and 200A services, and 3" for 300A service. See Drawing 8.6-1 for conduit system requirements
7. Consult the Cooperative for service rated over 320A.
8. Meter and disconnect enclosures must be grounded and bonded together using special means per NEC 250.92. Standard locknuts or bushings are not acceptable.

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It shall be the member's responsibility to stay clear of all underground facilities.

Member's wire and conduit sizes (75° C wire and terminal ratings).
Follow NEC requirements for other wire or temperature configurations.

Service Rating	Phase Conductor		Conduit	Ground Wire	Neutral Conductor
	Non – Residential	Residential			
100A	#2 CU	#4 CU	2"	#6 CU	Same as Phase
	1/0 AL	#2 AL			
200A	3/0 CU	2/0 CU	2"	#4 CU	
	250 AL	4/0 AL			
320A	350 CU	250 CU	3"	#2 CU	See NEC
	500 AL	350 AL			

Meter Pedestal
Single Phase Meter Up to 320A

DRAWING 4.6-3

June 2014

NOT TO SCALE

