NOTICE Meter socket. See This drawing illustrates FECC requirements only, and is Section 11.1.2 and not intended to be a comprehensive guide for the Pedestal minimum 6" round Drawing 11.8-1. installation of an electrical service. To insure a safe, or 6"x6" treated wood post or quality installation that complies with the National equivalent required. Electrical Code and local code requirements, the Cooperative recommends that all work be done by a All materials, equipment, qualified, licensed electrical contractor. and conduit connections shall be raintight. Any Mete receptacles shall be 6" space weatherproof and GFCI. tween boxes required. See note 8. Also see Drawing 8.6-1 for Service Conduit. See 4' Minimum underground service conduit notes 4 & 5 and table 6' Maximum system installation requirements. below. Disconnect switch required. See NEC 550.32 for mobile home service. 6" max. 30" min. to top of conduit. 36" trench depth required 36" min To member's Load To Cooperative's power source. See Drawing 8.6-1 for conduit shall be in conduit from system installation requirements. the disconnect box to 24" below grade. Member installed ground wire 36" elbow. Sched. 80 stapled to post, 5/8" x 8' copper-**PVC** required clad ground rod installed below

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 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. Underground conduit shall be electrical grade Schedule 40 or Schedule 80 PVC. All elbows shall be Schedule 80 PVC. See table below.
- 7. Consult the Cooperative for service rated over 320A.
- 8. Bonding jumper required if PVC conduit is used. A factory assembled combination meter & disconnect pedestals 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.

Member Installation Minimum Wire and Conduit Size

	Wernber Installation William Wire and Goridal Gize						
	Service Rating	Conduit Size		Aluminum	Copper	Neutral	Ground
		Single Phase	Three Phase	(Insulation per NEC)	(Insulation per NEC)		Wire Size
	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



Meter Pedestal

grade, and clamp required. See

table below.

(Underground Mobile Home Service)
Single or Three Phase Service Up to 320A

DRAWING 4.6-3

December 2011 NOT TO SCALE