

# PEARL RIVER VALLEY ELECTRIC POWER ASSOCIATION

## Minimum Requirements

### RESIDENTIAL METER POLE

(Mobile Home, Mfr'd Housing, Etc.)

Meter pole shall be provided, installed and maintained by consumer in accordance with the following specifications:

Pole shall be treated, either round 5 inches in diameter at the top, or square 6 x 6 (20 ft. height only), placed 5 feet in ground, backfilled, and well tamped to prevent leaning. (See table for minimum pole heights.)

Service entrance and disconnect box shall be rated at not less than 100 amperes. Meter socket shall be located 5 to 6 feet above ground line and fastened with wood screws. Rigid conduit, EMT or electrical PVC shall be used from meter socket to weatherhead near top of pole. Pipe shall be fastened to pole with straps. At least 24 inches of wire shall be left at weatherhead for drip loop. Disconnect box shall be weatherproof consisting of main disconnect with appropriately sized breakers or fuses. A house power box may be installed in lieu of meter base and disconnect box.

Weatherproof outlet box, if used, shall be 15 or 20 ampere receptacle with approved Ground Fault Circuit Interruption (GFCI) protection for personnel.

Service ground shall consist of #4 copper wire (minimum acceptable #6) from meter socket to ground rod. Ground rod shall be 5/8 inch by 8 foot long galvanized or copper rod. Ground rod clamp shall be used to connect ground wire to rod. Ground wire shall be secured to pole with staples spaced 6 inches apart.

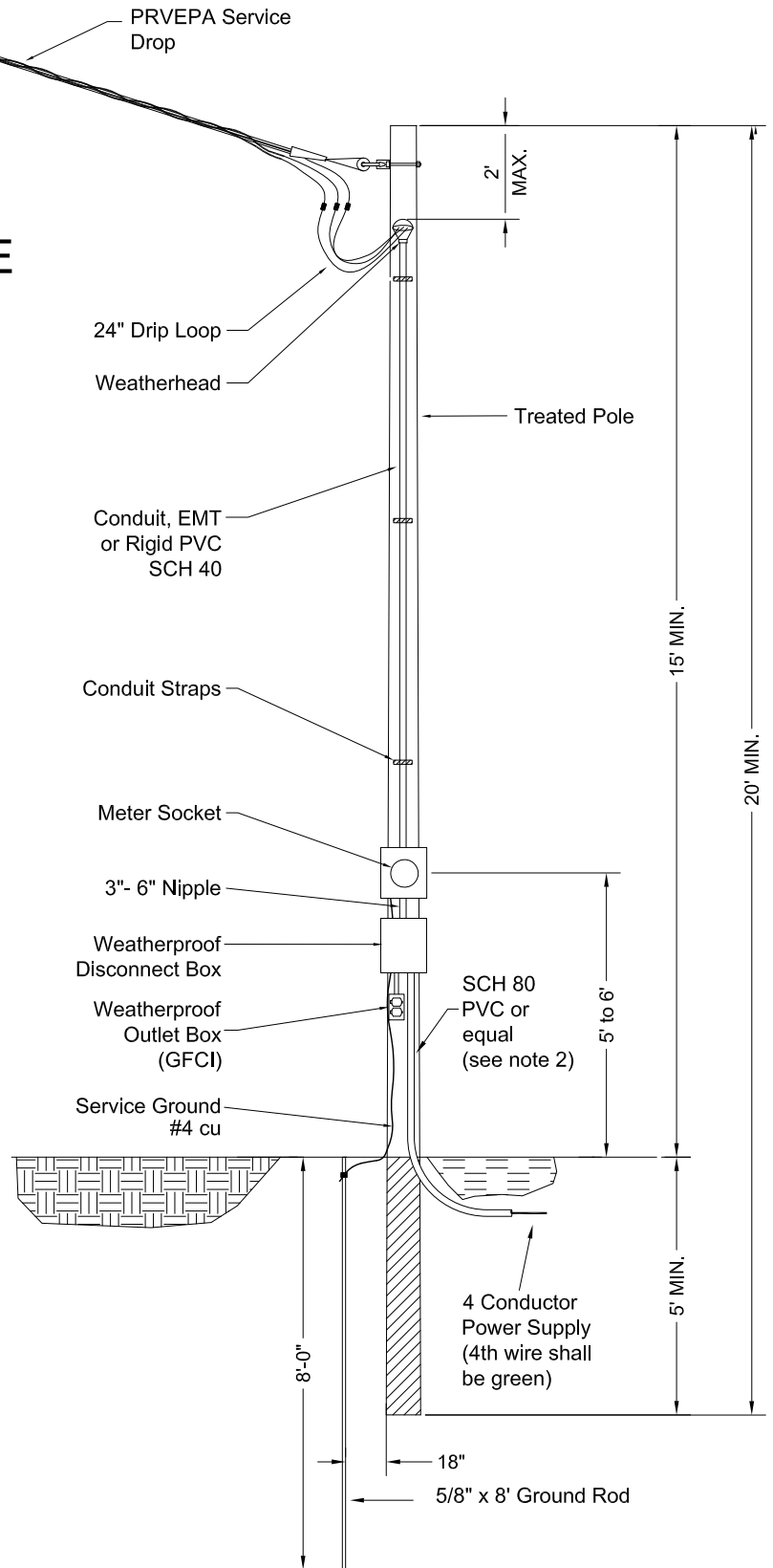
Power supply to mobile home shall consist of not more than one approved 50 ampere mobile home power supply cord with integrally molded plug or permanently installed circuit of sufficient ampacity. Power supply cord or permanent feeder shall consist of 4 continuous, insulated, color coded conductors, one of which shall be an equipment grounding conductor identified by a green color (see table for size).

Installation shall comply with current National Electrical Code (NEC), Article 550. Compliance is sole responsibility of consumer.

#### NOTES:

1. A copper service entrance is preferred and recommended by PRVEPA.

2. Wiring above ground and/or exposed to physical damage shall be protected by Schedule 80 PVC conduit, or equal.



MINIMUM HEIGHTS:	POLE	
	POLE	ABOVE GROUND
Open land subject to vehicles, cultivation, grazing, farm equipment	25'	20'
Vehicular traffic area	25'	20'
Pool or water area	25'	20'
No Vehicular traffic, pedestrians only	20'	15'

CONSUMER OWNED SERVICE REQUIREMENTS								
DISCONNECT SIZE (AMPS)	EQUIPMENT GROUND (GREEN WIRE)		SERVICE ENTRANCE					
	COPPER	ALUMINUM	COPPER WIRE			ALUMINUM WIRE		
			CONDUCTOR	NEUTRAL	CONDUIT	CONDUCTOR	NEUTRAL	CONDUIT
100	#8	#6	#4	#8	1"	#2	#6	1 1/4"
125	#6	#4	#2	#6	1 1/4"	#1/0	#4	1 1/2"
150	#6	#4	#1/0	#4	1 1/2"	#2/0	#2	2"
200	#6	#4	#2/0	#2	2"	#4/0	#1/0	2"
300	#4	#2	#250	#1/0	2 1/2"	#350	#2/0	3"