

## **METER POLE**

**SINGLE PHASE, 120/240 VOLTS, 3 WIRE SERVICE, 100 AMP MINIMUM**

### **GENERAL**

The Co-op will supply, install, and own the service drop to the pole and the service wire attachments on the pole. All service entrance equipment to be supplied and installed on pole by member.

Member to buy meter pan from Co-op at a discounted member price and install on pole at his/her expense.

A weatherhead shall be used of proper type for the number and size of wire used. All installations for an overhead or underground service shall be protected with a properly sized weatherproof disconnect switch, fused or breaker type, located adjacent to the meter base.

The cooperative will furnish and install the meter pole, for new installations, at a cost of \$250.00 for the pole and \$140.00 for the anchor, if necessary, plus applicable tax. Installation of a service entrance on an existing pole only at approval of Co-op's designated personnel.

### **GROUNDING**

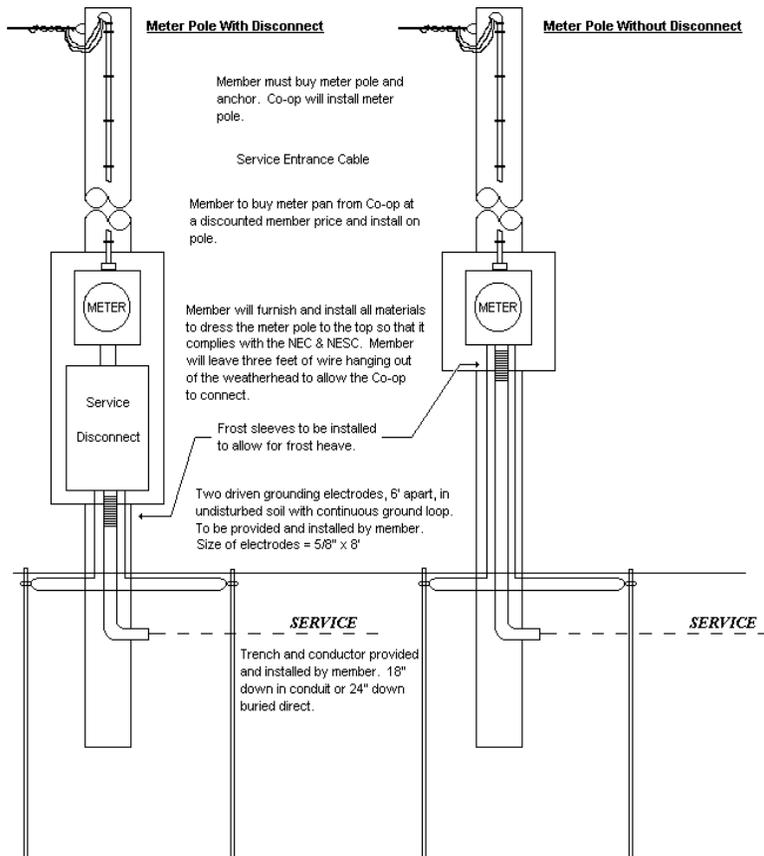
Ground wire shall be one continuous length, without splice or joint, from main switch to grounding electrodes. Suitable clamp must connect groundwire securely to two driven ground rods - minimum 6' apart in undisturbed earth.

Grounding electrodes must be rods: 5/8" x 8' solid rod, either galvanized or copperclad.

### **NOTES**

1. All installations to be made according to the diagram on reverse side.
2. All materials to be approved by the Underwriters Laboratories.
3. All wiring to be in conformance with the National Electric Code and the National Electric Safety Code, current edition, and certified by a Cooperative approved inspection agency.
4. Always have a qualified electrician take care of your wiring needs.
5. Members not following these minimum specifications may be refused service connection.
6. Service connections and/or meter approval shall be done only by authorized Cooperative personnel.
7. Reduced neutral may be allowed.
8. All service entrances will be located by Cooperative personnel and above clearances may be greater. Any change to the service entrance location without authorization from the Cooperative may incur an additional expense to the member.

ITEM	MATERIAL	100 AMP SERVICE	150 AMP SERVICE	200 AMP SERVICE	300 AMP SERVICE	400 AMP SERVICE	600 AMP SERVICE
1	Service Entrance Cable, Type SEU Copper Wire	#4	#1	#2/0			
2	Service Entrance Cable, Type SEU Aluminum Wire	#2	#2/0	#4/0			
3	Copper Wire, Type THW In Conduit	#4	#1	#2/0	350 MCM	500 MCM	6-350 MCM
4	Aluminum Wire, Type THW In Conduit	#2	#2/0	#4/0	500 MCM	750 MCM	6-500 MCM
5	Minimum Conduit Size	2"	2"	2"	3"	3" 3 1/2"	4" 4"
6	Minimum Conduit Size For UG Service Conductors	2"	2"	2"	3"	4"	4"
7	Copper Ground Wire To Driven Grounding Electrodes	#6	#6	#4	#2	#1/0	#1/0



The trench depths specified are minimum and are measured from final grade.

The trench width is a minimum of 12" and shall be increased as necessary to obtain the required depth in loose soil.

The trench shall be dug so that the bottom has a level grade and the bottom of the trench shall be relatively smooth, undisturbed earth or tamped earth or sand. Large rocks, stones, and gravel in excess of one inch shall be removed from the bottom and sides of trench. Where this cannot be done, a three inch layer of clean masonry sand shall be placed in the bottom of the trench, and screened dirt (using a one inch mesh screen) shall be used for backfill. **TRENCH SHALL NOT BE FILLED WITH EXCESS CONSTRUCTION MATERIALS SUCH AS CONCRETE BLOCK, LUMBER, DRYWALL, ETC.**

If proper depth cannot be maintained from final grade, galvanized conduit or Schedule 40 PVC must be used. All trenches parallel to the building foundation shall be no closer than four feet.

The trench shall be backfilled as described above as soon as possible after the placing of the cable. The top twelve inches of such backfill shall be well tamped while backfilling, and shall be banked over the top of the ditch to provide for settling of the backfill.

Duct shall be installed under driveways, patios, or other paved areas. Duct may be either galvanized pipe, Type II Fiberduct or Schedule 80 PVC.

\*Members not following these minimum specifications may be refused service connection.