

## **FARM 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 obtain meter pan from Co-op 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.

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.
9. Service to be inspected by an approved inspection agency.

| 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      |