



This type of installation may also be adapted for wall mounting. All other clearances and requirements remain the same.

Notes

1. Member provides and installs the pole, mounting rack, service entrance conductors, conduits, weatherhead, meter sockets, service disconnect switches, 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 service drop conductors, and makes connections at the weatherhead.
3. This service shall be installed at a location mutually agreed upon by the member and the Cooperative. The location should be immediately adjacent to a roadway or drive which is accessible at all times to Cooperative vehicles.
4. All conduits shall be electrical grade Schedule 80 PVC, EMT, IMC, or RMC. All conduit connections shall be raintight.
5. Riser conduit shall be at least 10' in length with 2 conduit straps required. Straps must be placed within 12" of the top and at the midpoint of the conduit. See table below.
6. Minimum 36" of conductor shall extend out of weatherhead. Neutral shall be insulated and marked with white tape. See table below.
7. A main disconnect is required for seven or more disconnects.
8. Member installed 1/2" galvanized steel eye bolt with 2" x 2" square washer required. No other attachments shall be made to pole.
9. Pole for service drop attachment must be minimum 6" x 6" x 20' treated wood, or 6" x 20' schedule 40 weatherproof steel set in concrete. Vertical posts must be minimum 6" round treated posts, or 6" x 6" treated posts, or 3" schedule 40 weatherproof steel set in concrete. Posts must be spaced to provide stable mounting for equipment. Rack cross-members must be weatherproof steel or treated wood of sufficient number, size, strength, and spacing to provide stable mounting of the electrical enclosures.
10. Each meter socket and disconnect shall be permanently and plainly marked to indicate the unit or lot it serves.
11. Bonding jumper is required if PVC conduit is used. A factory assembled multiple meter & disconnect enclosure may also be used. See Section 11.6.

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

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 electrical work be done by a qualified, licensed electrical contractor.

Member Installation Minimum Wire and Conduit Size

| Total Service Rating | Conduit Size | Aluminum (Insulation per NEC) | Copper (Insulation per NEC) | Neutral | Ground Wire Size |
|----------------------|--------------|-------------------------------|-----------------------------|---------------|------------------|
| 100A | 2" | #2 | #4 | Same as phase | #6 CU |
| 200A | 2" | 4/0 | 2/0 | Same as phase | #4 CU |
| 320A | 3" | 500 kcmil | 350 kcmil | See NEC | #2 CU |

Overhead Multiple Meter Service
Serving Underground Load
Single Phase 240V Service up to 320A
DRAWING 11.6-1
 December 2011
 NOT TO SCALE

