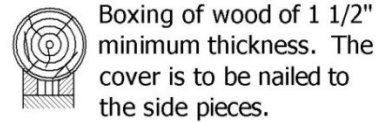
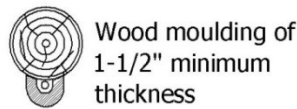
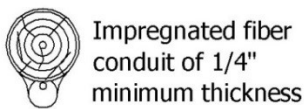
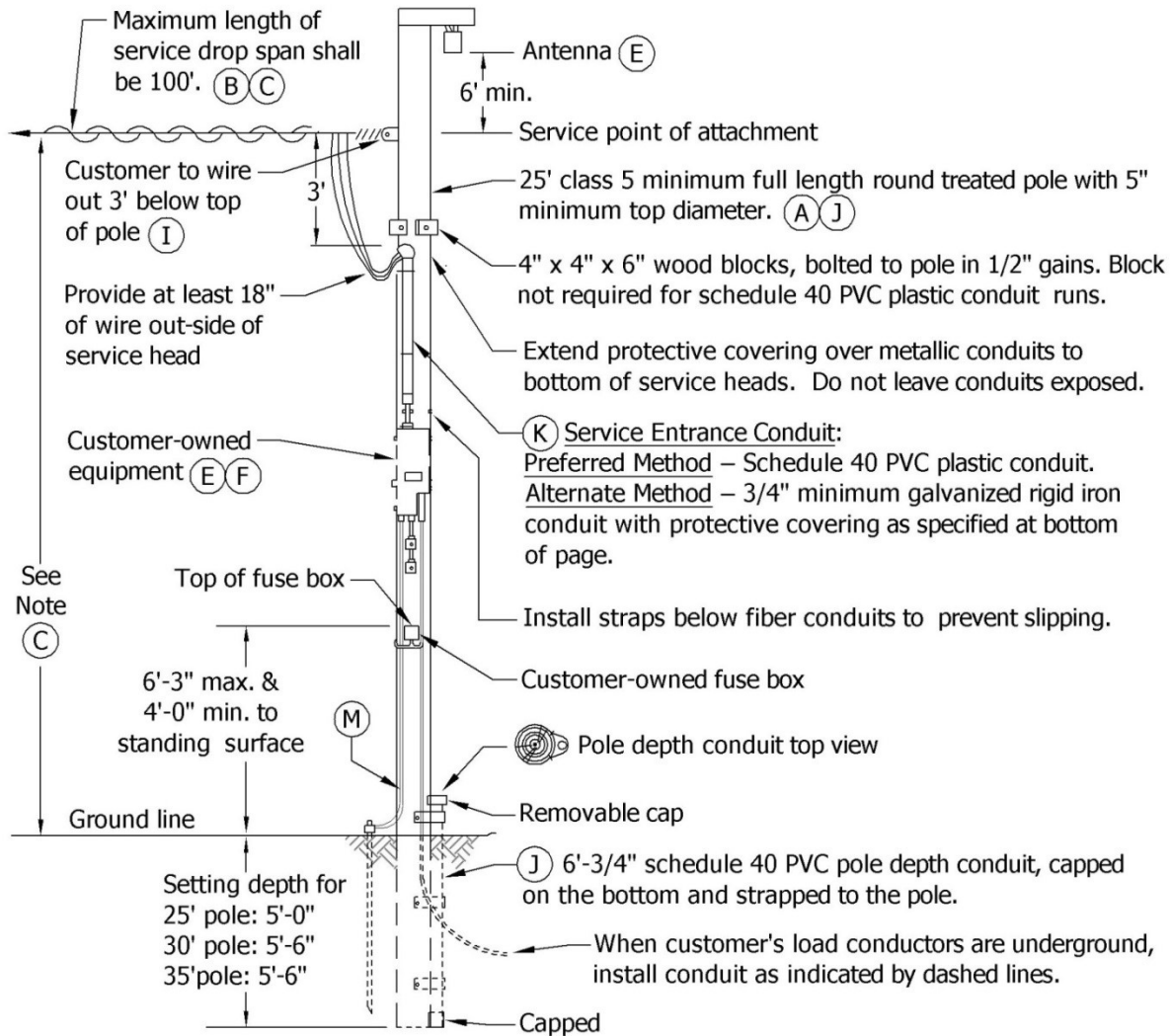


UNMETERED ELECTRIC SERVICE ON A CUSTOMER-OWNED FUSED SERVICE POLE

This standard shows and describes the installation of a customer-owned fused service pole. This installation is subject to all requirements of, and inspection by, the AHJ and SDG&E (Utility).



(L) Alternate Methods

Reference OH 645.1.

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Information Removed

SHEET
6 OF 10

SDG&E SERVICE STANDARDS & GUIDE

UNMETERED ELECTRIC SERVICE

SG 524.6

Installation Notes:

- (A) These are minimum requirements for permanent customer-owned fused service poles.
- (B) **Pole Location:** The pole shall be set not more than 100', or less than 10', from the surface of the Utility's service pole and so located that all required service drop clearances will be obtained from ground, buildings, and structures.
- (C) **Service Drop Minimum Clearances:**
 - At center of street or 12' from curb, whichever is less18'
 - At curb line.....16'
 - Over commercial or industrial driveways, parking areas, or areas capable of being traversed by vehicles16'
 - Over residential driveways.....12'*
 - Over agricultural areas15'
 - Over railroads or for other special conditions, consult the Utility's Planner.

* May be reduced to 10' if Self-Supporting Cable (SSC) service.
The Utility will use SSC. The type of construction used by the customer is their option.
- D. Where clearances in Note C cannot be obtained with the 25' pole shown, a 35' maximum pole shall be used.
- (E) Refer to pages SG 524.1 – 524.4 for specifications for installing customer-owned and -installed wireless communications antennas.
- (F) All customer equipment shall have an identifying plaque indicating customer name, address, UM identification number and fuse size. The plaque shall be plastic with engraved or machine printed letters in contrasting colors to the plaque, and shall be permanently attached to the fuse box with pop rivets or screws. Refer to page SG 524.4 for specifications.
- G. Permit and inspection must be obtained from the AHJ before service will be connected by the Utility.
- H. Consult the Utility's Planner for service requirements whenever three-phase service is desired.
- (I) The Utility will furnish and install the service drop and service drop rack or wire holders. All other equipment, including the pole, shall be furnished and installed by the customer.
- (J) The customer is to dig the pole in natural soil. Backfill must be compacted to 90% minimum within a 5' radius of the pole. Pole depth will be confirmed by insertion of a ground rod or similar probe into the PVC depth conduit attached to the climbable pole. Install a removable cap on top of the depth conduit to prevent falling debris from entering the conduit.
- (K) All conduit fittings must be raintight. Approved wire, not less than No. 8 AWG, shall be used in the service entrance conduit.
- (L) Alternate methods of covering service entrance conduits are shown on page SG 524.6. Covering to be strapped to the pole with galvanized two-hole pipe straps spaced not to exceed 3' apart.
- (M) The service ground is to comply with all applicable codes and ordinances and be mechanically protected in compliance with G.O. 95 per one of the following methods:
 - a. Encased in rigid steel conduit.
 - b. Minimum No. 8 AWG armored copper ground wire.
 - c. Covered by a minimum of: (1) hardwood molding (of oak or rock elm) 3/8" in thickness, (2) Douglas fir molding 1/2" in thickness, (3) rigid conduit or rigid U-shaped molding of a minimum Schedule 40 PVC or (4) poly-protected ground wire.

Reference OH 645.2.

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