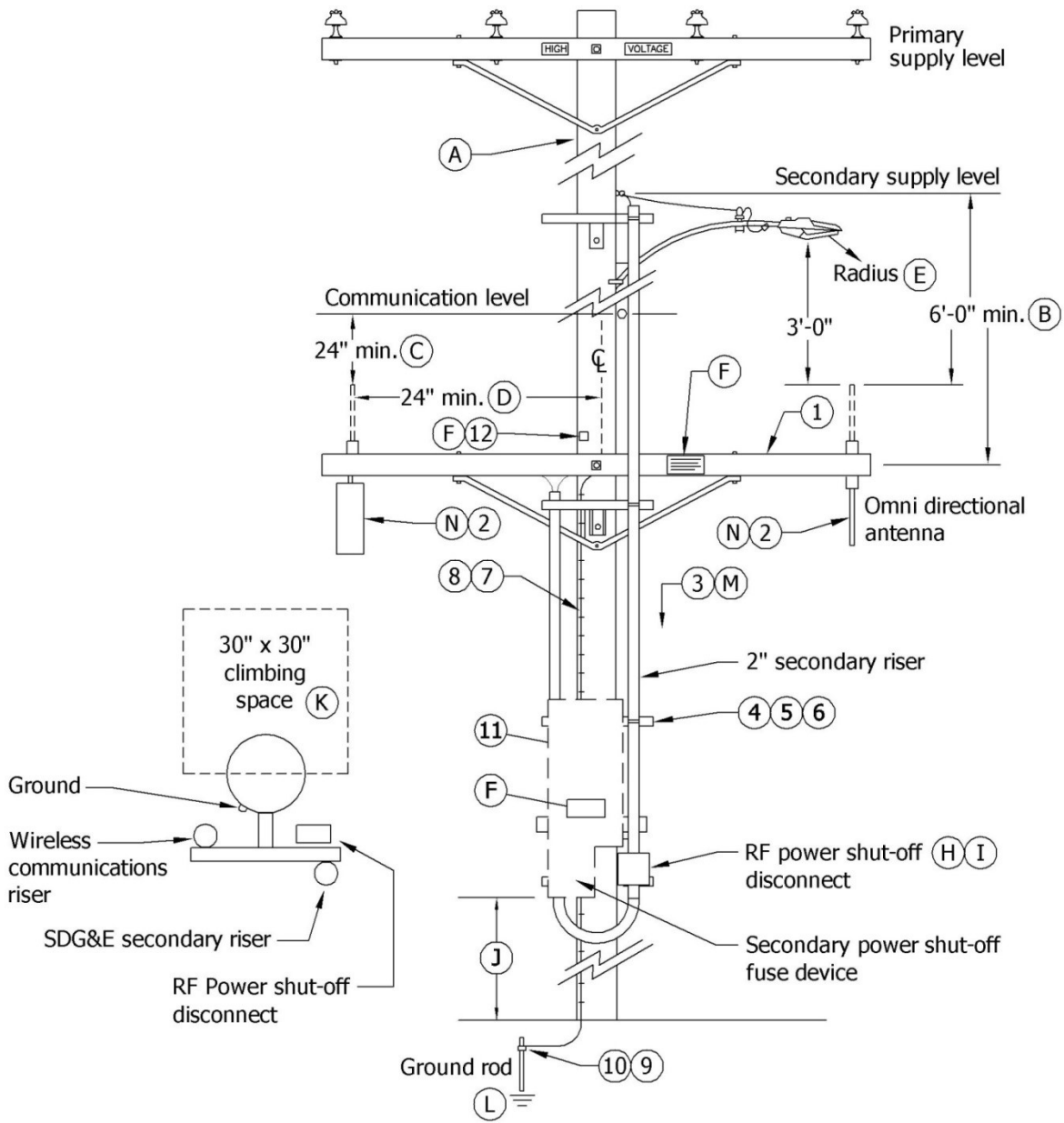


UNMETERED (UM) ELECTRIC SERVICE FROM AN OVERHEAD SOURCE

This standard shows a customer-owned and installed wireless communications antenna attachment for UM electric service on an SDG&E wood distribution pole. This construction is not allowed on a pole with equipment or switches installed.



Reference OH 576.1.

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UNMETERED ELECTRIC SERVICE

SG 524.1

Bill of Material:

Item	Description	Quantity	Const. Std. or Page No.	Stock Number
①	Crossarm, 3-3/4" x 5-3/4" x 10'-0" (8'-0" min.)	As Required	---	ⓐ
②	Customer-Owned Antenna, Directional or Omni-Directional	As Required	---	ⓐ
③	Riser Construction	As Required	1404/4204	---
④	Bracket, Ladder Arm	As Required	1404/4204	ⓐ
⑤	Channel, Double, Galvanized, 24"	As Required	1404/4204	ⓐ
⑥	Nut, Clamping Channel, with Spring 1/2"	As Required	1404/4204	ⓐ
⑦	#4 CU Solid Ground Wire, PVC Covered Ⓛ	As Required	---	ⓐ
⑧	Staples, Galvanized, for PVC Covered Ground Wire	As Required	---	ⓐ
⑨	Steel Ground Rod, Copper Jacketed, 5/8" x 8'	As Required	---	ⓐ
⑩	Copper Bonded Ground Connector	As Required	---	ⓐ
⑪	Customer-Owned Ancillary Equipment	As Required	---	ⓐ
⑫	Tag, Ownership I.D.	1	209	ⓕ

Installation Notes:

- Ⓐ Do not install a telecommunication antenna on a pole containing a three-phase transformer, booster, service restorer, capacitor, regulator, primary metering, hookstick or gang-operated switch, cutouts, or primary risers.
- Ⓑ A minimum 6' of vertical and radial clearance must be maintained from the telecommunications antennas or supporting equipment to any SDG&E supply conductor level.
- Ⓒ Antennas and supporting elements shall maintain a minimum 24" of vertical separation from communication conductors and equipment.
- Ⓓ Antennas shall maintain 24" horizontal clearance from the centerline of pole.
- Ⓔ Antennas shall maintain 36" vertical and radial clearance from street lights and mast arms.
- ⓕ This installation must be clearly marked with the appropriate signage, per FCC, CPUC and Utility regulations. Signage to be installed and maintained by the telecommunication antenna owner. See OH Standard 209.
- ⓐ These items supplied and installed by the telecommunication antenna owner.

Reference OH 576.2.

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- Ⓜ A municipally approved radio frequency (RF), power shutoff disconnects, with test points, will be installed and clearly marked by the telecommunication antenna owner. This disconnect, when open, will prevent the antennas from generating RF including when on battery back-up (see Standard Practice 124). Per the California Electrical Code, enforced by the governmental Authority Having Jurisdiction (AHJ), maintain a minimum of 36" deep by 30" wide clear working space.
- Ⓜ A cut -away lock will be provided by the telecommunication antenna owner for securing the RF power shutoff disconnect.
- Ⓜ Cabinet to be mounted at 10' from ground level to bottom of cabinet when not subject to traffic contact. If vulnerable to vehicle damage, mount cabinet at 13'-6" from ground level to bottom of cabinet. Consider large vehicles parking parallel to curb.

References:

- Ⓜ Allowable working and climbing space – See OH Standard 251.
- Ⓜ Grounding methods – See OH Standard 1002.
- Ⓜ Riser Position – See OH Standard 1402 / UG Standard 4206.
- Ⓜ Any communication antenna attachments must comply with the CPUC G.O. 95 and 128 Rules.

Reference OH 576.2.

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