

MOBILE AND MODULAR HOME SERVICE POLE AND DIRECT WIRE ELECTRICAL GUIDELINES

1. *Mobile* home service equipment shall be located adjacent to the mobile home and not mounted in or on the mobile home. The service equipment shall be located in sight from and not more than 30 feet from the exterior wall of the mobile home. The service equipment may be located elsewhere on the premises, provided that a disconnecting means suitable for use as service equipment is located in sight from and not more than 30 feet from the exterior wall of the mobile home. Grounding at the disconnecting means shall be in accordance with Article 250.32 Article 550.32(A).
2. *Manufactured* home service equipment shall be permitted to be installed in or on a manufactured home provided that the home is installed on a permanent foundation, and proper grounding and bonding in accordance with Article 250 of the National Electrical Code is followed. Article 550.32(B).
3. Mobile *and* manufactured home service equipment must include additional circuit breaker space to allow for the connection of additional electrical equipment or accessory structures located outside of the home. Article 550.32(D).
4. Mobile and manufactured home service equipment shall be rated at not less than 100 amperes. Article 550.32(C).
5. Mobile and manufactured home service equipment and disconnecting means shall be installed to that the bottom of the enclosure is not less than 2 feet above finished grade. Article 550.32(F).
6. Feeder conductors from the service equipment to the distribution panel inside of the home must consist of *four, insulated, color-coded* conductors. The equipment-grounding conductor run with the feeder must be insulated and cannot be identified by stripping the insulation from the conductor. Article 550.33(A).
7. Mobile homes with distribution panelboards rated at 40 or 50 amperes may be connected by means of a listed 50 ampere mobile home supply cord with an integrally molded or securely attached plug cap. Homes with distribution panels rated 60 amperes or more must be connected by means of a permanently connected feeder. Article 550.10.
8. Mobile home supply cords must be listed and consist of four insulated color-coded conductors. Article 550.33.
9. Direct burial conductors and cables emerging from the ground shall be protected in conduit from a depth of 18 inches to the panel both at the service and under the homê. Article 300.5(D)(1).
10. Direct buried conductors and cables shall be at least 24 inches deep. Table 300.5
11. Rigid nonmetallic conduit buried in the ground shall be at least 18 inches deep. Table 300.5

12. At least one 15 ampere or 20 ampere, 125 volt, GFCI protected receptacle is required outside of the home. This may be on the home or on the service pole. Articles 550.13(D)(8), 550.13(B).
13. Outdoor receptacles must have covers which are weatherproof whether or not the attachment plug cap is inserted into the receptacle. Article 406.8(B)(1)
14. A disconnecting means must be located within sight of the well pump pressure switch. Article 430-102(A).
15. All electrical equipment and material used must be listed for the purpose and installed according to the manufacturers instructions. The use of plumbing pipe and fittings for the installation of electrical conductors is prohibited. Article 110.3(B).
16. Mobile and modular homes, regardless of how they are connected, shall be on sight and **ALL** wiring, including well wiring and air conditioning wiring if present, must be **COMPLETE** at time of inspection. If wiring is not complete, an additional inspection and fee will be required.

The above guidelines are intended as a brief overview of the requirements for service poles and direct wiring of mobile and manufactured homes. Consult the previously mentioned codes for complete rules regarding these installations. For further questions or clarification, please contact the Department of Building Safety and Permits.

Notes:
