



Where Life is Sweet

CITY OF HERMISTON BUILDING DEPARTMENT

MINIMUM CODE STANDARDS FOR RESIDENTIAL WIRING

This guide has been created to help homeowners with their own home electrical projects.

The home shall not be for sale, rent, lease or exchange for at least 6 months after all final inspections. Only an owner and their immediate family (spouse, brother, sister, son, daughter, mother or father) may help with these projects. No other person other than those listed may engage in this work. **The person who has done the work must be on-site to answer any questions during inspections.**

Lighting and other receptacles	Minimum for every 500sq.ft/circuit-15amp, 14 AWG
Kitchen counter & dining rm. receptacles	Minimum two 20amp, 12 AWG circuits
Built in microwave	One 20amp, 12 AWG
Dishwasher	One 15 or 20amp, 14 or 12 AWG
Sink disposal	One 15 or 20 amp, 14 or 20 AWG
Electric range	One 40 amp, #8-4 copper or #4 Aluminum
Washer & receptacles in utility room only!	One 20 amp 12 AWG
Dryer	One 30 amp, 10-3 with ground
Bathroom receptacles only	One 20 amp, 12AWG
Water heater	One 30 amp, 10 AWG
HVAC	OCP and wire size based off of unit's nameplate rating
Appliances	OCP and wire size based off appliances nameplate rating

Receptacles- Plug, outlet

AWG- American Wire Gauge

GFI- Ground Fault Interrupter

AFCI- Arc Fault Circuit Interrupter

Some general requirements:

- AFCI protection required in family room, dining room, living room, parlors, libraries, dens, bedrooms, sunrooms recreation room, closets, hallway, laundry areas and alcoves.
- GFI protection is required for kitchen, bathroom, laundry room and exterior receptacles.

- Smoke detector shall be in each bedroom and carbon/smoke detectors outside of the bedroom area, as well on every level of the house and tied together with three-wire with a ground.
- Before calling for a cover inspection, all wires shall be stripped, grounding conductors will be made up and pigtail installed.
- Do not cut wires any shorter than 6" from the front of the box.
- Bond all metal boxes with an approved means.
- Do not install devices on over inspection except one or two GFI receptacles that are used for construction power.
- Staple wire flat (not on edge) every 4 feet.
- Staple wire within 12" or less of each box on the same stud as box.
- Be sure all connections are secure and tight.

Contact the Building department with any code interpretation questions or minimum requirements. The Building department can not design your project, if in need of design or installation advise, you must contact an Oregon licensed electrical contractor.

City of Hermiston Building Dept.

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