

Yamhill County

DEPARTMENT OF PLANNING AND DEVELOPMENT

525 NE 4th STREET • McMinnville, Oregon 97128

Phone:(503) 434-7516 • Fax:(503)434-7544 • Internet Address: <http://www.co.yamhill.or.us/plan/>

Standards For Electrical Plan Submissions Oregon Administrative Rules 918-311-0040

- (1) Plan reviews can only be required if the installation involves one or more of the following:
 - (a) Square footage. More than 10,000 square feet;
 - (b) Ampacity:
 1. More than 320 amperes continuous rating, metered through a self contained metering device, for one- and two-family dwellings; or
 2. More than 225 amperes for service and starting at 400 amperes for feeders for other than one- and two-family dwellings;
 - (c) Voltage. More than 600 volts nominal;
 - (d) Height. More than three stories;
 - (e) Occupancy. Four or more residential units in one structure, or occupancy rating of more than 99 persons;
 - (f) Classified area. Any area or structure containing a special occupancy as described in **Chapter 5** of the **National Electrical Code** adopted by the Electrical Board OAR 918-305-0100; or
 - (g) Manufactured Structures Park or Recreational Vehicle Park. A new manufactured structures park, a temporary manufactured structures park, or recreational vehicle park, or any addition or alteration to an existing park.
- (2) Standardized Format for Plan Review. When electrical plan review is required the electrical plan shall meet the following requirements:
 - (a) Copies. Two sets of electrical plans are required;
 - (b) Readability. The plans must be drawn to scale, contain definitions of legends used, be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the applicable electrical code requirement, laws, ordinances, rules and regulations;
 - (c) Contents. The plans shall contain the following minimum requirements:
 1. Feeder riser diagram showing panel location and circuit schedules;
 2. One line riser diagram showing bonding and grounding and conductor sizes;
 3. Available fault current on the line side of service disconnect;
 4. Complete load calculations, or provide applicable load records, for all new installations and for additions to existing installations;
 5. Fixture schedule, showing type, location and layout of the fixtures;
 6. Address of the installation and name of owner and address;
 7. Identification of the employer, identification and signature of person who prepared the plan, license number if the person is an electrical supervisor and professional registration number if the person is an architect or registered professional electrical engineer; and
 8. Location of emergency systems, identifying the power source and the system on plan.
- (3) Nothing in these rules shall prohibit a jurisdiction from requiring a lighting energy budget.

[Publications: The publication(s) referred to or incorporated by reference in this rule are available for review at the agency.]

Stat. Auth.: ORS 479.870

Hist: BCA 33-1991 (Temp), f. & cert. ef. 9-30-91; BCA 44 1991, f. & cert. ef. 12-26-91; BCD 19-1996, f. 9-17-96, cert. ef. 10-1-96
Renumbered from 918-320-0330

Standards For Electrical Plans Review 918-311-0050

A person performing electrical plan review shall do the following as a minimum:

- (1) Load calculations. Check load calculations for appropriateness, completeness and accuracy.
- (2) Equipment. Check and determine if the equipment is:
 - (a) Suitable for the environment; and
 - (b) Properly sized and rated to meet the minimum code requirements.
- (3) Service and Feeder. Check service and feeder installations for code compliance related to:
 - (a) Wiring method;
 - (b) Conduit and box fill;
 - (c) Conductor size and ampacity rating;
 - (d) Clearances;
 - (e) Locations;
 - (f) Accessibility; and
 - (g) Service grounding conductor size.

Stat. Auth: ORS 479.870

Stats. Implemented: ORS 479.870

Hist: BCA 33-1991 (Temp), f. & cert. ef. 9-30-91; BCA 44- 1991, f. & cert. ef. 12-26-91;
BCD 19-1996, f. & cert. 10-1-96; Renumbered from 918-320-0340

Electrical Plan Review for Prefabricated Structures 918-311-0060

- (1) Authority. The rule is authorized by ORS 479.870 and sets electrical plan review requirements for the electrical aspects of prefabricated buildings and components intended for use in Oregon
- (2) Definitions. For purpose of this rule:
 - (a) A "prefabricated building" is a "prefabricated permanent building" or "prefabricated relocatable building" defined in OAR 918-674-0005.
 - (b) A "prefabricated component" is a "component" defined in OAR 918-674-0005;
 - (c) "Intended for use in Oregon" means:
 1. The structure is manufactured in Oregon and is intended to be used in Oregon, or Oregon and other states; or
 2. Manufactured in another state but intended to be first delivered to Oregon for use in Oregon regardless of whether it is intended to also be used in other states;
 - (d) "State of manufacture" is the state where a prefabricated building or component is manufactured.
- (3) Applicability:
 - (a) Electrical plan review is required for all prefabricated buildings and components manufactured in Oregon or manufactured out of state for use in Oregon, unless:
 1. The electrical inspector waives the plan review upon determination that only one unit will be built and code requirements can be verified by inspection;
 2. The unit is listed by a recognized testing laboratory; or
 3. The unit is certified by special deputies.
 - (b) When a plan review is required by this rule, the relevant prefabricated structures rules in OAR Chapter 918, Division 674 are applicable except to the extent a different requirement is provided in this rule.
- (4) Requirements. When plan review under this rule is required, the manufacturer shall:
 - (a) Pay an electrical plan review fee as provided in section (5) of this rule;
 - (b) Meet the requirements of OAR 918-311-0040 for electrical plan reviews for number of copies, readability and contents; and
 - (c) Submit a timely request allowing the division at least ten business days to complete the plan review.
- (5) Fees. The electrical plan review fees shall be \$55 per hour with a minimum charge of \$55.

Stat. Auth: ORS 479.730 & ORS 479.870

Stats. Implemented: ORS 479.730 & ORS 479.870

Hist: BCD 8-1994 (Temp), f. 3-16-94, cert. ef. 3-25-94; BCD 18-1994, f. 8-30-94, cert. ef. 9-1-94;
BCD 3-1995, f. & cert. ef. 3-3-95; BCD 19-1996, f. 9-17-96, cert, ef, 10-1-96; Renumbered from 918-320-0345