

## ELECTRICAL PLAN REVIEW REQUIREMENTS

The City of Beaverton requires electrical plans for “complex structures” to be reviewed and approved before issuance of an electrical permit.

For the purpose of this rule, “complex structures” means an electrical installation involving one or more of the following:

- Ampacity:
  - A service or feeder beginning at 400 Amps where the available fault current exceeds 10,000 Amps at 150 Volts or less to ground or exceeds 14,000 Amps for all other installations; or
  - Installation of a 75 KVA or larger separately-derived system as defined in Article 100 of the National Electrical Code (NEC); or
  - Addition of a new motor load of 100 HP or more; or
  - Fire pump installations as defined in Article 700 of the NEC; or
  - A service or feeder rated at 600 Amps or over.
- Voltage: More than 600 supply volts nominal;
- Height: More than three stories;
- Occupancy:
  - Six or more residential units in one structure; or
  - An “A” (Assembly) occupancy, “E” (Educational) occupancy, or “I-2” or “I-3” (Institutional) occupancy as defined in the adopted Oregon Structural Specialty Code; or
  - Any of these special occupancies as described in Chapter 5 of the NEC adopted by the Board in OAR 918-305-0100:
    - Hazardous (Classified) locations as defined in Articles 500 to 516; or
    - Installations in patient care areas of health care facilities as defined in Article 517; or
    - Agricultural buildings used for commercial purposes; or
    - Floating buildings as defined in Article 553; or
    - Marinas and boat yards as defined in Article 555.
- Recreational Vehicle Park: A new recreational vehicle park, or any addition or alteration to an existing park.