



1314 ELECTRICIAN

Classification Summary

Performs skilled installation, maintenance, alteration, repair, or replacement of electrical systems, equipment, and fixtures in District buildings or properties.

Supervisory Relationships

Reports to the Mechanical Services Supervisor; may receive technical information from the Electrician Specialist. May be required to oversee work of assigned licensed helpers.

Distinguishing Characteristics

Distinguished from Senior Electrician by lack of requirement to hold an Oregon General Supervisors License.

Examples of Duties

1. Perform safety-related inspection and repair of fire alarms, fluorescent lighting, panelboards, boiler and shop equipment controls, electrical connections and switches. Trace malfunction to determine cause; locate and/or order replacement parts and perform necessary repairs.
2. Design, replace or modify electrical installations for computer banks, interior or exterior lighting systems, control systems, and fire alarms. Compute footcandle, feed sizing, fusing, grounding; develop plan specifications and cost estimates; install circuitry, wireways and switching.
3. Maintain accurate records of work performed and materials used.
4. Inspect progress and quality of contracted installation work; assure contractors have sufficient power supply .
5. Perform related work as required.

Required Knowledge, Skills and Abilities

1. Comprehensive knowledge of the National Electric Code, electrical theory, and methods of electrical installation.
2. Ability to use precision test equipment, hydraulic conduit bender, hydraulic man lift, and power hand tools; ability to bend, cut, thread conduit, and install wire.
3. Ability to diagnose and repair electric motors, controls, lighting systems, fire alarms, and branch circuits.
4. Ability to read blueprints and electrical circuitry schematic diagrams.
5. Ability to communicate with District staff to determine electrical systems needs.
6. Ability to prioritize work assignments according to severity of problem.

Minimum Qualifications for Class Entry

State licensure as a journey level Electrician with continuing education to retain license.

Work Environment

Work is performed in District buildings and may require lifting of heavy objects, working in tiring or awkward positions, and exposure to inclement weather. Incumbents may be exposed to risk of electric shock. Incumbents may be required to perform emergency repairs during evening or weekend hours.