

**ELECTRICIAN**

**Nature of Work:** An employee in this class performs skilled electrical work in the installation, alteration, repair, and maintenance of electrical equipment and wiring used in communication, light, and power systems. Assignments, supervision, and review are received from Building Maintenance Supervisor. The employee may supervise maintenance staff on a project by project basis. Performs related work as required.

**Examples of Work**

- Installs and maintains security detection and fire alarm systems, distribution systems, cable systems, air conditioning and heating systems, lighting fixtures, ballasts, and timing clocks.
- Removes, disassembles, repairs, or replaces electrical units and components such as motors, generators, voltage regulators, control panels, fuses, circuit breakers, switches, wiring, and pumps.
- Inspects for damage, tests, analyzes, and repairs electrical circuits, tools, and equipment.
- Completes connection of utility electricity to power, lighting, heating, refrigeration, alarm and control equipment, machinery, and circuits.
- Plans layout, methods, materials, scope of work, and sequence of operations.

**Knowledge, Skills and Abilities**

- Knowledge of standard practices, materials, machines, and tools used in the installation and maintenance of electrical equipment and systems.
- Knowledge of the state electrical code and of the Underwriters' rules for electrical installations.
- Knowledge of occupational hazards and applicable precautionary measures.
- Knowledge of electricity including measurement, computation, and principles.
- Knowledge of rescue and resuscitation methods for electric shock victims.
- Skill in the use of tools, testing devices, and machines used in the trade.
- Ability to install, maintain, repair, and operate interior and exterior electrical systems.
- Ability to work from sketches, prints, and specifications.

**Minimum Qualifications**

**Training:** Graduation from a standard four-year high school or the equivalent.

**Experience:** Two years of full-time or equivalent part-time paid experience in electrical work.

**ELECTRICIAN (CONT'D)****Minimum Qualifications (cont'd)**

**Substitution:** Successful completion of two years vocational school training may be substituted for the required experience OR successful completion of the journey level electrician's examination administered by the State Fire Marshal.

**Special Requirement:** Specific positions may require certification from a federal EPA approved testing organization as a certified technician required by the Clean Air Act on refrigerant recycling.

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