

## **ELECTRICIAN**

### **DEFINITION:**

Under general direction, to perform skilled work in the installation, maintenance, and repair of electrical equipment; and to perform other job-related duties as required.

### **ESSENTIAL DUTIES AND RESPONSIBILITIES:**

**Depending on the assignment, duties may include but are not limited to the following.**

Installs, maintains, and makes repairs to motors, lighting circuits, electrical control equipment, transformers, conduit and duct systems, and other types of electrical lighting and power equipment.

Installs, repairs and troubleshoots a variety of electrical systems including clocks, bells, speakers, intercoms, burglar alarms and fire alarms.

Checks circuits and performs electrical repair of refrigerating, heating, and ventilating equipment.

Assists in preparation of estimates of time and material required for repairs and new construction.

Interprets electrical plans and specifications, and checks for conformity with codes, regulations, and safety orders.

Performs troubleshooting work to locate defects in electrical systems.

Maintains records of work performed.

Updates electrical blueprints, as necessary.

May procure electrical parts and accessories as needed.

Directs the work of assigned help.

### **QUALIFICATIONS:**

Knowledge of:

Safe work practices including OSHA regulations, as they relate to the position;

Building and electrical codes and regulations as they relate to the position;

The tools, materials, and standard practices and procedures of the electrical trade;

Design, construction, installation, and maintenance of electrical apparatus and equipment;

Ability to:

Estimate the scope of each work assignment and secure the necessary tools and equipment to complete the assignment;

Use electrical tools and equipment skillfully and safely;

Read and follow plans, blueprints, and specifications for electrical work;

Make accurate arithmetical computations;

Read and write English at a level sufficient to successfully perform the duties associated with the position;

Identify workplace hazards and/or unsafe conditions and take appropriate action to correct same;

Perform heavy physical labor including but not limited to the ability to lift up to 50 lbs. without assistance and up to 100 lbs. with appropriate tools or assistance;

Understand and carry out oral and written instructions;

Establish and maintain cooperative working relationships with those contacted in the course of work.

Education: Combination of training and experience equivalent to completion of a full four-year apprenticeship program in the electrical trades.

Experience: One year of journey-level experience installing, maintaining, inspecting and repairing standard electrical equipment.

### **LICENSES AND CERTIFICATES:**

Possession of a valid California driver's license with no restrictions which would preclude driving on the job is continuous requirement.

### **OTHER CONDITIONS OF EMPLOYMENT:**

In accordance with California law and the Education Code, position incumbents must maintain a conviction free Dept. of Justice background record which is relevant to the position.

Salary Range: 81

N: 10/68, R: 03/80, R: 11/85, R: 11/91, R: 10/98