

## **SENIOR ELECTRICAL INSPECTOR**

### **JOB SUMMARY**

This is highly skilled work in securing and maintaining compliance with municipal codes and regulations governing the installation of electrical systems and allied equipment.

### **CLASS CHARACTERISTICS**

Work involves participating in effecting compliance with legally established codes and regulations of the municipal electrical inspection program. Work also involves the application of discretion and judgment in the interpretation of pertinent codes and regulations; and performing the more complex inspections. Work is performed with considerable independence under the supervision of superiors through conferences and reports.

### **ESSENTIAL FUNCTIONS**

**These functions may not be present in all positions in this class. When a position is to be filled, the essential functions will be noted in the announcement of position availability. Management reserves the right to add, modify, change or rescind work assignments as needed.**

Participates in the activities of securing and maintaining compliance with codes and regulations governing the installation of electrical systems and allied equipment.

Conducts the more technical or complex inspections; advises and assists subordinate inspectors as required.

Reviews and checks blueprints, plans, load calculations, and sketches prior to issuance of permits for proposed electrical installations.

Reviews wiring diagrams to determine conformity to established safety factors and code and ordinance requirements; approves plans or discusses with engineers, contractors, builders, or owners, modifications to be made in plans in order to conform to requirements.

Advises and assists builders in designing or relocating electrical installations or in proposed new construction.

Makes special investigations to determine if fires were caused by improper wiring or faulty installation of electrical equipment.

Studies electrical ordinances of other cities and new developments in electrical appliances and installations, with view to determining the adequacy of local codes and regulations; recommends changes in existing or new electrical codes and regulations.

Prepares and maintains necessary records and reports.

Performs related work as required.

**QUALIFICATIONS GUIDELINES**

**A typical way to obtain the requisite knowledge and abilities to perform the duties and responsibilities of this classification is as follows:**

**Education, Training and/or Experience**

Considerable experience as a journeyman electrician with some experience in electrical inspection work and graduation from high school or a related vocational school. College course work in civil engineering, electrical engineering or a related field is desirable.

**License and/or Certificate**

Class C California Driver's License. Revocation of license during employment may result in disciplinary action or reassignment.

International Code Council (ICC) certification .

**Requisite Knowledge and Skill Levels**

Thorough knowledge of the methods and practices involved in constructing, installing, maintaining, and operating a variety of electrical installations, equipment, and appliances.

Thorough knowledge of possible defects and faults in electrical wiring and appliances, and of the stages in electrical construction where such faults and defects are most readily ascertained and remedied.

Thorough knowledge of the operating principles and adaptabilities of the standard electrical testing devices.

Thorough knowledge of all codes, regulations and ordinances governing electrical installations.

**Requisite Abilities**

Ability to contact building owners, contractors, craftsmen, and others, and to effect and maintain satisfactory working relationships.

Ability to read and interpret construction and wiring plans, blueprints, drawings, and diagrams and to recognize deviations from such documents.

Ability to enforce regulations with firmness, tact, and impartiality.

**PHYSICAL TASKS AND ENVIRONMENTAL CONDITIONS**

See attached summary of most demanding essential physical tasks and environmental factors for the class.

**Employee accommodations for physical or mental disabilities will be considered on a case-by-case basis.**

LN (12-03)