

ELECTRICAL INSPECTOR

DEFINITION

Inspects electrical installations on new construction, alterations, and improvement and rehabilitation projects for compliance with contract documents, plans, specifications, and State and local codes and regulations.

TYPICAL DUTIES

Inspects electrical installations to determine that materials and workmanship comply with plans, specifications, contracts, and applicable codes and regulations.

Inspects light, power, bell, fire alarm, clock, and energy conservation installations.

Inspects outlet boxes, conduits, wires, switchboards, transformers, and cabinets for compliance with specifications and approved material lists.

Advises Construction Inspectors of discrepancies between architectural, structural, mechanical, and electrical plans as they apply to the electrical installation and quality of materials and construction.

Reviews plans and specifications of various electrical systems and makes recommendations to architects and engineers for improvements.

Observes the pulling of major electrical feeder cables.

Maintains a daily log of inspections made and corrections needed and prepares reports as required.

Coordinates the work of other specialty inspectors on electrical contracts.

Performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS AMONG RELATED CLASSES

An Electrical Inspector inspects electrical installations on new construction, alterations and improvement, and rehabilitation projects and advises the responsible Construction Inspector or contractor on nonconformity with plans, specifications, and applicable codes and regulations.

A Supervising Electrical Inspector supervises and coordinates the work of Electrical Inspectors on contract school construction projects, verifies final electrical inspections, and verifies compliance with State, national, and local requirements.

An Area Electrical Supervisor manages the overall electrical operations in a Local District maintenance and operations area by supervising, assigning, inspecting, and evaluating the work of assigned staff; providing technical work direction to site-based staff; and monitoring, inspecting, and reviewing work performed by contractors.

SUPERVISION

General supervision is received from a Chief Electrical Inspector or a Supervising Electrical Inspector. No supervision is exercised.

CLASS QUALIFICATIONS

Knowledge of:

- National, State, and local electrical codes and regulations
- Methods, procedures, and materials of the electrical trade
- Established standards and specifications for electrical materials issued by the California State Division of Industrial Safety
- General building construction practices
- Word processing and spreadsheet software

Ability to:

- Read and interpret blueprints, plans, and specifications
- Make accurate job estimates of materials and labor
- Detect inferior materials and poor workmanship
- Detect deviations from plans and specifications by inspection
- Keep accurate records
- Prepare clear, concise written reports
- Work independently
- Work effectively with commissioned architects, engineers, contractors, District personnel, and the public

Special Physical Requirements:

- Work in crawl spaces, in confined areas, and at heights up to 80 feet
- Climb ladders up to 50 feet

ENTRANCE QUALIFICATIONS

Education:

Graduation from high school or evidence of equivalent educational proficiency, preferably supplemented with completion of college-level courses in electrical construction or engineering. Completion of a recognized electrical apprenticeship or trade school program in electrical construction is also preferable.

Experience:

Four-years of experience as a journey-level electrician, including three years in the installation or repair of institutional, commercial, or industrial electrical systems.

Special:

- A valid driver's license to legally operate a motor vehicle in the State of California and use of a motor vehicle.
- Certification by International Code Council as a California Commercial Electrical Inspector is preferable.

The class description is not a complete statement of essential functions, responsibilities, or requirements. Entrance requirements are representative of the minimum level of knowledge, skill, and /or abilities. To the extent permitted by law, management retains the discretion to add or change typical duties of a position at any time, as long as such addition or change is reasonably related to existing duties.

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JPK²

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