

ELECTRICIAN

DEFINITION

To perform a variety of skills expected of a journeyman electrician in construction, operation, maintenance and repair of all county equipment and facilities.

SUPERVISION RECEIVED AND EXERCISED

Receives general supervision from the Building Maintenance and Inspection Director. Exercises functional and technical supervision over assigned maintenance staff.

EXAMPLES OF DUTIES - Duties may include, but are not limited to, the following:

Installs, modifies, repairs, troubleshoots, and tests new and existing electrical lines, circuits, fixtures, controls, computer cabling, alarm systems, pump controls, motor controls, telephone lines and fiberoptics.

Connects and services switches, switchboards, meters, relays, elevators, branch circuits, load centers, sub panels, computer hubs and computer networking.

Identifies need for and arranges, places, and routes distribution panels, boxes, circuits, fittings, connections and controls.

Works on distribution voltage circuits and lines.

Purchase electrical supplies, maintain a level of stock required to perform assigned duties.

Provide electrical expertise on advisory panels.

Perform duties as assigned.

QUALIFICATIONS

Knowledge of:

Methods, techniques and tools and the operational characteristics of equipment used in the electrical trade.

Principles of commercial, industrial and residential electrical.

Secured facilities wiring, alarm and security equipment.

Safety requirements including clearance and switching procedures governing work on electrical systems.

National Electric Code and Uniform Building Code compliance.

Computer systems and wiring (CAT 5 and fiberoptics).

Communications systems, i.e., public address systems, telephone, intercom, alarm, security, fire, etc.

Municipal buildings and their operations.

Safe work practices.

Ability to:

Operate a variety of hand and power tools and equipment required for the work in a safe and efficient manner.

Provide basic tools and test equipment necessary to perform the trade.

Take instructions orally or in writing in the form of work orders.

Use drawings, schematics, wiring diagrams, blueprints, and manuals.

Plan work sequence, determining tools, materials needed, number of hours required, and material costs.

Clean and care for assigned areas and equipment.

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

Use a CAD program to provide as-built electrical drawings and schematics.

EXPERIENCE AND TRAINING GUIDELINES

Any combination of experience and training that would likely provide the required knowledge and abilities is qualifying.

Experience:

Four years of journeyman level electrical work.

Training:

LICENSE OR CERTIFICATE

Possession of, or ability to obtain, as appropriate, valid California driver's license.

Certified journeyman electrician with the State of California.

Classification Code:	8733001
Bargaining Unit:	40
FLSA Status:	Y
Workers' Compensation Code:	9420
Pay Table:	CNTY
Range:	Refer to current "Class Range Sort List"