



RIALTO UNIFIED SCHOOL DISTRICT CLASSIFIED

ELECTRICIAN

DEFINITION:

Under the direction of an assigned Administrator or Supervisor, perform skilled electrical work in the inspection, repair, alteration, construction, installation, and maintenance of electrical, wiring, electronic systems and equipment; perform semi-skilled and skilled functions in other trade areas; and performs other job-related duties as assigned and/or as required.

ESSENTIAL DUTIES:

- Inspect, repair, install, test, service, and maintain electrical systems, including conduits and duct systems, light and power circuits, motor appliances, generators, UPS battery systems, control equipment, switches, MSB and Sub switchboards, fans, bells, buzzers, time clocks, fire alarms, and electronic systems; ensure compliance with building codes applicable to the electrical trade.
- Install interior and exterior wiring and conduit for equipment and appliances.
- Wire newly constructed and altered structures following approved safety standards
- Replaces circuit breakers and panels.
- Troubleshoot and resolve electrical malfunctions; trace out wiring, perform diagnostic tests on system components and replace defective wires and parts, including switches, circuits, lighting, receptacles and fuses.
- Construct, assemble, install, and maintain lighting fixtures and field lighting systems.
- Assemble conduit; bend conduit and pull wire; place conduit in appropriate spacing; wire main and sub electrical panels; install new circuits or replace existing circuits as needed.
- Perform preventive maintenance on district-wide electrical panels; check and service circuit breakers, distribution panels and transformers; replace parts as needed.
- Operate a variety of specialized equipment including meters, testers, soldering irons, wire pullers, conduit benders, lifts, drills and various hand and power tools.
- May occasionally provide power and raceways for audio-visual equipment, public address, and intercom systems
- Plan, organize, and lay out assigned electrical tasks; interpret electrical plans, diagrams, blueprints, sketches and specifications.
- Train, coordinate, organize, and direct the work of other maintenance personnel
- Install and maintain heavy machinery and power tools
- Estimates labor, material, part and equipment needed for assigned electrical projects monitor inventory levels of parts, supplies and equipment; requisition, receive and store parts, supplies and equipment as directed.
- Respond to electrical hazards; ensure safety of students and staff while working on live panels
- Communicate with personnel and various outside agencies to exchange information and resolve issues or concerns.
- Maintain various records related to work orders and assigned activities.
- Drive a service vehicle to various sites to conduct work.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

- Methods, procedures, equipment and materials used in the installation, maintenance, repair and operation of electrical equipment and systems.
- Electrical codes and regulations applicable to school facility maintenance, repair, and construction.
- Knowledge and ability to perform all aspects of NFPA70E and OSHA requirements.
- Safe working methods and procedures.
- Operation and maintenance of tools and equipment used in the electrical trade.
- Proper methods of storing equipment, materials and supplies.
- Shop math applicable to the building trades.
- Training principles and techniques.
- Oral and written communication skills.
- Arithmetic computations.
- Recordkeeping techniques.

ABILITY TO:

- Perform skilled electrical work in the inspection, repair, alteration, construction, installation and maintenance of electrical systems, wiring and equipment.
- Use tools and equipment in performing electrical installation, maintenance, and repair activities
- Plan, organize and lay out electrical work;
- Troubleshoot and diagnose electrical device, system and equipment malfunctions.
- Replace defective parts and components as necessary.
- Observe health and safety regulations and procedures.
- Estimate labor and material costs accurately;
- Read and work from plans, blueprints, sketches, specifications and diagrams of electrical work.
- Make accurate arithmetic calculations.
- Train, coordinate, organize and direct the work of other maintenance personnel.
- Maintain simple records and prepare complete and concise reports;
- Communicate effectively, both orally and in writing.
- Work independently with little direction.
- Establish and maintain cooperative working relationships.

EDUCATION AND EXPERIENCE

EDUCATION:

Verification of a High School diploma, a GED certificate, or a higher degree.

EXPERIENCE:

Five years of paid experience as a journey level electrician.

LICENSE, CERTIFICATION AND OTHER REQUIREMENTS:

- Verification of a valid California Motor Vehicle Operator's License.
- Insurability by the District's liability insurance carrier may be required.

- Finalists scheduled for an interview must provide a current DMV printout (not more than 30 days old) prior to the interview.
- Valid and appropriate California Electrical certification.

PREFERRED QUALIFICATIONS:

Supplemental course work or training in electrical repair and maintenance is desirable, but not required.

WORKING CONDITIONS:

ENVIRONMENT:

Indoor and outdoor work environment. Driving a vehicle to conduct work.

PHYSICAL ELEMENTS:

The physical requirements indicated below are examples of the physical aspects that this position classification must perform in carrying out essential job functions.

- Will frequently exert 75 to 100 pounds of force to lift, carry, push, pull, or otherwise move objects
- Will involve walking or standing for extended periods of time, and may involve ascending and descending ladders, stairs, scaffolding, and ramps
- Must be capable of perceiving the nature of sound
- Must possess visual acuity and depth perception
- Must be capable of providing oral information
- Must possess the manual dexterity to operate equipment and use hand tools, and handle and work with various materials and objects

Reasonable accommodation may be made to enable a person with a disability to perform the essential functions of the job.

POTENTIAL HAZARDS:

Working around and with machinery having moving parts. Exposure to high voltage and electrical shock. Working at heights. Exposure to excessive noise, fumes, dust, dirt, oil/grease and odors. Exposure to hot, cold, wet, humid, or windy conditions caused by weather may occasionally be experienced

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