

MERCED CITY SCHOOL DISTRICT

CLASS TITLE: SKILLED MAINTENANCE TECHNICIAN – ELECTRICIAN

BASIC FUNCTION:

Under the direction of the Supervisor of Maintenance/Operations, perform electrical work for the District; maintains and repairs electrical systems; perform skilled installation, maintenance and repair to District buildings, facilities and equipment; perform duties in a wide variety of the building maintenance trades; prepare and maintain records related to work performed.

REPRESENTATIVE DUTIES:

Inspects, installs and maintains electrical systems and equipment, such as electrical service, fire alarm systems, master clocks, public address systems and analog phone systems, and security system.

Trouble-shoot any and all systems (24 to 480 volts). *E*

Read design electrical drawings. *E*

Layout, plan, and install electrical projects with a high degree or skill. *E*

Have knowledge of the NEC (National Electrical Code) and NFPA 72 and understand codes. *E*

Perform installation, troubleshooting and repair to electrical fixtures, equipment, systems and other installations; assure completed work is done according to established Uniform Building Codes. *E*

Operate a variety of specialized equipment, and hand and power tools related to work performed or assigned; repair, maintain and assure equipment is in safe and proper working condition; drive a District vehicle to various work sites. *E*

Prepare and maintain a variety of records related to work performed, supplies and materials and others. *E*

Assist other maintenance personnel with daily work assignments as directed.

Works collaboratively and cooperatively with management, other employees, vendors and the public as a representative of the District.

Perform related duties as assigned.

The employee is to adhere to federal and state regulations, Board policies, and related administrative regulations which pertain to the particular assignment.

The Skilled Maintenance Technician works under the direct supervision of the Supervisor of Maintenance and Operations (or designee). May be required to exercise minimal supervision of other maintenance employees assigned to work with him/her at various times.

MINIMUM QUALIFICATIONS:

KNOWLEDGE OF:

- Requirements of maintaining buildings, equipment and facilities in good repair.
- Applicable building codes, ordinances, fire regulations and safety precautions.
- Operation and use of hand and power tools and equipment.
- Record-keeping techniques.
- Shop math applicable to the building trades.
- Health and safety regulations and procedures.
- Proper methods, materials, tools, terminology and equipment used in the building maintenance trades.
- Proper methods of storing equipment, materials and supplies.
- Technical aspects of the building maintenance trades.
- Be familiar with the NEC and NFPA 72 codes.
- Proven knowledge of trouble shooting and understanding of electrical circuits.
- 2 years of proven journeyman level electrical work.
- Inverters (inspection and testing)
- Excellent written and verbal skills
- Platform lifts and bucket truck experience.
- Be able to use a multi-meter and interpret voltage, amperage, and resistance.
- Use of a megometer.
- Excellent problem solving skills

ABILITY TO:

- Perform skilled work in the construction, renovation, maintenance and repair of building and facilities.
- Estimate materials and supply Operate, adjust and service specialized equipment used in the basic trade.
- Operate a vehicle and a wide variety of power equipment and hand tools related to the building trades.
- Maintain routine records related to work performed.
- Work from blueprints, shop drawings and sketches.
- Order parts and supplies according to established guidelines.
- Prioritize and schedule work.
- Inspect facilities for maintenance and repair needs and fire, safety and health hazards.
- Work independently with little direction.
- Read, interpret, apply and explain rules, regulations, policies and procedures.
- Maintain current knowledge of technological advances in the field.
- Observe legal and defensive driving practices.

EDUCATION AND EXPERIENCE:

Graduation from high school or equivalent. Proof of Journeyman level qualifications, including 3-5 years of experience in commercial and/or residential wiring, underground service, commercial lighting, testing and repair. Possess a Fire Life Safety card or be able to

obtain one within six months. Understand highly complicated lighting systems.

LICENSES AND OTHER REQUIREMENTS:

Valid California driver's license. Bucket truck. Platform lift.

WORKING CONDITIONS:

ENVIRONMENT:

Indoor and outdoor work environment; subject to noise from equipment operation; regular exposure to fumes, dust, dirt, oil/grease; subject to driving a vehicle to conduct work. High stress. High heat and extreme cold. Danger of electrocution. Work in confined spaces.

PHYSICAL ABILITIES:

Dexterity of hands and fingers to operate a variety of specialized equipment and tools; seeing to observe needed and completed repairs; climbing ladders and working from heights; reaching overhead and horizontally; standing for extended periods of time; walking over rough or uneven surfaces; lifting heavy objects; bending at the waist; kneeling or crouching.

HAZARDS:

Vapors from paints and solvents; working in a cramped or restrictive work chamber; working with power saws and flying debris; working at heights on ladders or scaffolding; working with electrical power supply.

This position complies with the rules and regulations of the Americans with Disabilities Act (ADA)