



MAINTENANCE TECHNICIAN V-ELECTRICIAN

DEFINITION:

Under the supervision of the assigned supervisor, performs a variety of skilled tasks involved in the maintenance, repair and installation of electrical equipment and related systems.

DISTINGUISHING CHARACTERISTICS:

The Maintenance Technician V has a higher degree of journey level skills than entry level positions in the series and incumbents have five years of journey-level experience. The Maintenance Technician III-classification is an entry-level position in the Maintenance Technician series. Incumbents work independently and perform a variety of duties. Incumbents have at least two years general maintenance experience. The Maintenance Technician IV is an intermediate journey-level classification in the Maintenance Technician series. Incumbents have completed an approved apprenticeship program in a specific trade. Incumbents are expected to have four years of journey-level experience. The Maintenance Technician VI classification serves as the senior technician who can oversee special projects. Incumbents may serve as the backup Foreman and typically have six years of journey-level experience in a specific trade and/or have completed an approved apprenticeship program in a specific trade.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

- Installs, maintains and repairs electrical equipment and systems common to school buildings including lighting systems, distribution equipment, fans, switches, motors and controls.
- Installs, maintains and repairs electrically-operated food service equipment.
- Prepares material requisitions according to established procedures; provides general estimates of time and materials for electrical related work orders.
- Operates a variety of specialized equipment related to assigned activities including various hand and power tools; maintains assigned tools and equipment in clean and in operating condition; drives a vehicle to conduct work.
- Maintains work area in a clean, safe and orderly environment.
- Prepares and maintains records and reports related to assigned activities; provides general estimates of time and materials on routine jobs.
- Provides assigned labor support as may be required in the event of an emergency.
- Installs cabling for computer and phone systems as assigned.
- Communicates with personnel and various outside agencies to exchange information, coordinate activities and resolve issues or concerns.

QUALIFICATIONS GUIDE

Knowledge of:

- Methods, materials and equipment used in the maintenance, repair and installation of electrical systems, distribution and emergency systems.
- The National Electric Code and building codes related to the electrical trade.
- Appropriate State controls, craft skills and general building trades practices.
- Computer and telephone cabling systems.
- 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.
- Technical aspects of the electrical trade.
- Appropriate safety precautions and procedures.
- Electrical blueprints.
- Interpersonal skills using tact, patience and courtesy.
- Oral and written communication skills.
- Record-keeping techniques.

Ability to:

- Participate in a variety of skilled electrical activities in the repair, installation and maintenance of electrical systems and related equipment.
- Provide general estimates of time and materials on routine jobs.
- Develop and implement electrical installation, maintenance, repair and enhancement projects.
- Operate and maintain specialized machinery, equipment and tools utilized in the repair, installation and maintenance of electrical systems.
- Plan and lay out electrical work.
- Troubleshoot and diagnose electrical device, system and equipment malfunctions.
- Replace defective parts and components as necessary.
- Read and work from plans, blue prints, sketches, specifications and diagrams of electrical work.
- Observe health and safety regulations and procedures.
- Communicate effectively both orally and in writing.
- Establish and maintain cooperative and effective working relationships with others.
- Meet schedules and time lines.
- Understand and follow oral and written instructions.
- Work independently with little direction.
- Maintain various records related to work performed.

EDUCATION/EXPERIENCE:

Any combination equivalent to: graduation from high school supplemented by completion of an approved apprenticeship program in the electrical trade area and five years increasingly responsible journey-level experience in the installation, maintenance and repair of electrical systems and equipment.

LICENSES AND OTHER REQUIREMENTS:

- Valid California Class C driver's license.

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Dexterity of hands and fingers to operate a variety of equipment.
- Bending at the waist, kneeling, stooping or crouching.
- Walking, standing or sitting for extended periods of time.
- Reaching overhead, above the shoulders and horizontally.
- Hearing and speaking to exchange information.
- Climbing ladders and working from heights.
- Seeing to perform assigned general maintenance duties.
- Regularly lift and/or move up to 50 pounds; lifting, carrying, pushing or pulling heavy objects up 100 pounds with assistance.

WORK ENVIRONMENT:

Indoor and outdoor work environment. The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. Regular exposure to fumes, dust, dirt, oil/grease. Driving a vehicle to conduct work. The noise level in the work environment is usually loud. Hazards include:

- Working in confined spaces.
- Working around and with machinery having moving parts.
- Exposure to high voltage and electrical shock.
- Working at heights.