

ORANGE UNIFIED SCHOOL DISTRICT

ELECTRICIAN

DEFINITION

Under general supervision, performs skilled work in the installation and repair of circuits, systems and equipment; performs preventative maintenance and servicing to electrical motors and equipment. Performs installations, maintenance and repairs to data communications cable systems. Provides support in the service and repair of a variety of electronic, audio-visual, clock, fire alarm and intrusion alarm systems and does related work as required.

Representative Duties

Installs, trouble-shoots and makes repairs to motors, lighting circuits, electrical control equipment, transformers, conduit and duct systems and other types of electrical lighting and power equipment; checks circuits and performs electrical repair of communications equipment; interprets electrical drawings, plans and blueprints; keeps records; surveys cause of damage and makes repairs to all related equipment; recommends replacement if repairs are not economical; maintains inventory of spare parts and supplies; maintains records; instructs others in the use, maintenance and repair of all related equipment. Installs conduit, raceway and cable for data communications. Tests and repairs data, cable and electrical systems. Services and repairs a variety of electronic equipment including but not limited to, fire and intrusion alarm systems, security cameras and phone systems. Programs clock, bells and other low voltage systems. Orders replacement and project parts and materials. Trouble-shoots equipment.

Positions in this class report to the Maintenance Manager or a Senior position, and independently perform skilled repairs on a wide variety of electrical circuits, systems and equipment.

Organizational Responsibilities

Responsible for the installation and repair of data cable systems and other district electronic equipment.

Knowledge and Abilities:

Thorough knowledge of: the tools and methods used in electrical installation and repair work; electrical terms and materials; circuits used in buildings; single and polyphase motors; kitchen, heating, ventilating and blower equipment; portable hand tools, stationary power tools and distribution systems; the Electrical Safety Orders of the Division of Industrial Safety; electrical blueprints; test equipment such as ohmmeters, monitors, voltmeters, safe working methods and procedures, etc.

Ability to: use electrical tools, test instruments and other equipment skillfully and safely; read and follow plans and specifications for electrical work; understand and follow oral and written instructions; maintain records.

ORANGE UNIFIED SCHOOL DISTRICT

ELECTRICIAN

Heavy Work:

Positions in this class perform work which involves the frequent lifting, pushing and/or pulling of objects which may approximate 100 pounds.

Physical Demands and Working Conditions

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

- This type of work may involve ascending and descending ladders, stairs, scaffolding, and ramps, and will involve walking or standing for extended periods of time.
- This type of work may require the mobility to stand, stoop, reach and bend. Positions in this class require mobility of arms to reach and dexterity of hands to grasp and manipulate small objects.
- Perceiving the nature of sound, near and far vision, depth perception, providing oral information, the manual dexterity to operate equipment and use hand tools, and handling and working with various materials and objects are important aspects of this job.
- Exposure to hot, cold, wet, humid, or windy conditions caused by weather may occasionally be experienced.
- Incumbents may be required to work with harsh or abrasive substances.
- Reasonable accommodations may be made to enable a person with a disability to perform the essential functions of the job.

ENTRANCE QUALIFICATIONS GUIDE

Training and Experience

High school diploma or equivalent. Four years of journeyman level experience in the installation and repair of data cable systems, electrical systems, electronic, audio visual and/or alarm systems. Completion of an approved technical school, or trade courses in these areas may be substituted for one year of required experience.

Knowledge and Abilities

Operation and maintenance of data cable systems, electronic and electrical equipment and electronic test equipment, the Uniform Building Code, Fire and Life Safety Codes and the National Electrical Code as they relate the systems installed and maintained by this classification, safe working methods and procedures.

Condition of Employment

Insurability by the District's liability insurance carrier.