

SAN DIEGO UNIFIED SCHOOL DISTRICT

POSITION DESCRIPTION

TITLE:	Electrician	REPORTS TO:	Assigned Supervisor
DEPARTMENT:	Physical Plant Operations	CLASSIFICATION:	Classified
FLSA:	Non-Exempt	SALARY GRADE:	050 OSS
REVISED:	July 1, 2010		

BASIC FUNCTION:

Perform skilled electrical work in the inspection, installation, maintenance, troubleshooting, and repair of electrical systems and equipment.

REPRESENTATIVE DUTIES: (Incumbents may perform any combination of the essential functions shown below. This position description is not intended to be an exhaustive list of all duties, knowledge, or abilities associated with this classification, but is intended to accurately reflect the principal job elements.)

E = Essential Functions

Perform skilled electrical work in the inspection, installation, maintenance, troubleshooting, and repair of high and low voltage electrical systems and equipment in schools and other sites, including panel boards, lighting systems, motor circuits, heating systems, control switches, and light fixtures. **E**

Routinely perform work on live circuits up to 600 volts during school hours to prevent electrical power disruption to school classrooms and facilities. **E**

Install various sized conduit underground, on interior and exterior building surfaces, above ceilings, and on rooftops. **E**

Wire motors, transformers, motion sensors and other electrical equipment. **E**

Work from blueprints in installing or remodeling circuits. **E**

Prepare and maintain as-built drawings. **E**

Prepare material lists as required to complete assigned work order. **E**

Operate power tools. **E**

Operate a man lift. **E**

Drive a light truck. **E**

Direct the work of helpers or apprentices.

Perform related duties as assigned.

MINIMUM QUALIFICATIONS:

EDUCATION AND EXPERIENCE:

A combination of training, experience, and/or education equivalent to completion of a recognized four-year electrical apprentice training program and minimum four years diversified journeyman level electrician experience.

LICENSES AND OTHER REQUIREMENTS:

Possession of a valid California driver's license.

Possession of a valid State of California General Journeyman Electrician certification.

Possession of hand tools common to the trade.

Personality and character suitable for working in schools.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Electrical materials, tools, and methods common to the trade.

NEC, CEC, UBC, OSHA regulations and requirements, and SDG&E Service Guide regulations.

Pertinent safety regulations and practices.

Reading and writing English communication skills.

ABILITY TO:

Install, maintain, and repair high and low voltage electrical systems and equipment.

Read blueprints, plans, and specifications.

Lay out electrical systems to meet code requirements.

Estimate labor and material costs.

Analyze situations accurately and adopt an effective course of action.

Possess and maintain a current State of California General Journeyman Electrician certification.

Communicate effectively orally and in writing.

Establish and maintain effective working relationships with others.

Work independently with little direction.

Plan and organize work.

Meet schedules and time lines.

Read, apply, and explain rules, regulations, policies, and procedures.

WORKING CONDITIONS:

ENVIRONMENT:

Various indoor and outdoor work locations; exposure to hazardous conditions; driving a vehicle to conduct work.

PHYSICAL REQUIREMENTS:

Strength and energy sufficient to maintain a rigorous work schedule involving driving and/or continuous, heavy physical exertion under adverse conditions such as tight spaces, hot, and/or closed environments, and heights up to 60 feet; hearing and speaking to exchange information; seeing to perform assigned duties; sitting or standing for extended periods of time; dexterity of hands and fingers to operate tools and equipment; kneeling, bending at the waist, and reaching overhead, above the shoulders and horizontally, to make repairs; climbing to use step and extension ladders; lifting heavy objects.

DISTINGUISHING CHARACTERISTICS:

Electrician differs from Electrician (Motor Repair) in that assignments typically involve work requiring familiarity with single and three-phase electrical power up to and including 12.5 k.v. and with step-down transformers and includes responsibility for primary windings from the electrical source to the disconnect or circuit breakers and the running or installation of conduit, whereas Electrician (Motor Repair)

assignments typically involve working from secondary power sources up to 600 v. on electrical and mechanical equipment as related to motors (e.g., magnetic starters, contractors, electric controllers, relays, belts, blowers, motor windings, stators) and the replacement of bearings, shafts, and seals.

Revised 1.24.08

Job Code 8060

FK