

**SAN DIEGO UNIFIED SCHOOL DISTRICT**

**POSITION DESCRIPTION**

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<b>TITLE:</b>	Electrician (Motor Repair)	<b>REPORTS TO:</b>	Assigned Supervisor
<b>DEPARTMENT:</b>	Facilities Management	<b>CLASSIFICATION:</b>	Classified
<b>FLSA:</b>	Non-Exempt	<b>SALARY GRADE:</b>	048 OSS
<b>REVISED:</b>	July 1, 2002		

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**BASIC FUNCTION:**

Perform skilled electrical servicing and repair work on a wide variety of equipment, machinery, and building mechanical systems.

**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**

Install, maintain, inspect, troubleshoot, diagnose, and repair a variety of machinery and motors in permanent building systems including air conditioning and heating equipment, electric controllers, relays, belts, bearings, blowers, exhaust fans and pumps. **E**

Works from blueprints and wiring diagrams. **E**

Install motor overload protection, conduit, and lead-in wiring. **E**

Rewire from disconnect to consuming device. **E**

Service and repair electrical and mechanical equipment and motors. **E**

Replace worn parts; may perform preventive maintenance. **E**

Estimate time and material costs and keeps service records. **E**

Drive a truck. **E**

May direct the work of helpers.

Perform related duties as assigned.

**MINIMUM QUALIFICATIONS:**

**EDUCATION AND EXPERIENCE:**

Any combination of training, experience, and/or education equivalent to completion of a recognized electrician apprentice training program; a combination of vocational training and diversified electrical equipment repair experience may be substituted for the apprentice training program on a year-for-year basis.

**LICENSES AND OTHER REQUIREMENTS:**

Possession of a valid California driver's license.

Possession of hand tools common to the trade.

**KNOWLEDGE AND ABILITIES:**

**KNOWLEDGE OF:**

Testing meters and other materials, tools, and methods used in the inspection, repair, replacement, and installation of a wide variety of electrical equipment.

Reading and writing English communication skills.

**ABILITY TO:**

Read blueprints, plans, and specifications.

Estimate labor and material costs.

Establish and maintain cooperative relationships with a personality and character suitable for working in schools.

Plan and organize work.

Meet schedules and time lines.

Maintain records.

**WORKING CONDITIONS:**

**ENVIRONMENT:**

Indoor and outdoor environments.

**PHYSICAL REQUIREMENTS:**

Strength and energy sufficient to maintain a rigorous work schedule involving driving and/or continuous heavy physical exertion; 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 as needed; lifting heavy objects.

**DISTINGUISHING CHARACTERISTICS:**

Electrician (Motor Repair) differs from Electrician in that 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, contactors, electric controllers, relays, belts, blowers, motor windings, stators, etc., and the replacement of bearings, shafts, and seals, whereas Electrician 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 include responsibility for primary windings from the electrical source to the disconnect or circuit breaker and the running or installation of conduit.

Revised 3.18.04

Job Code 8060

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