

BURBANK UNIFIED SCHOOL DISTRICT

CLASS TITLE: ELECTRICIAN

BASIC FUNCTION:

Under the direction of an assigned supervisor, perform journey-level electrical work in the construction, installation, maintenance and repair of electrical systems and equipment.

REPRESENTATIVE DUTIES:

Inspect, repair, install, service and maintain electrical systems including conduit and duct systems, light and power circuits, motorized appliances, generators, control equipment, fans fixtures, bell systems, clocks, fire alarm systems and install computers.

Design and create electrical systems.

Input data for programs such as computer based lighting control systems, clock and bell systems, public address systems, fire systems and environmental systems.

Install or replace necessary interior and exterior wiring for equipment, appliances and lighting.

Install conduit, duct systems; pull cable for telephone and intercom systems; relocate communication jacks and speakers.

Calculate complex electrical load systems.

Wire new and altered buildings as necessary; alter electrical power for lighting, receptacles and telephone circuits.

Diagnose repair needs and repair defects in electrical systems; contact local utilities or power companies as necessary; fabricate parts as needed.

Observe and comply with federal, state and local electrical codes, health and safety codes and regulations related to position.

Work from sketches, plans, drawings, blueprints and specifications.

Estimate materials and approximate time required for electrical maintenance and repair activities under the direction of trades supervisor.

Establish and implement prudent safety policies and procedures; observe safety of others and recommend precautionary action if necessary while repairs are in progress.

Operate a District vehicle to conduct work.

Perform other duties as assigned related to job description.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Materials, methods, tools and equipment used in the installation, maintenance and repair of electrical equipment.

Creation and design of electrical systems.

Electrical theory and principles.

Calculations necessary for complex electrical load systems.

Technical aspects of field of specialty.

Electrical codes and their proper implementation.

Applicable health and safety regulations.

Proper methods of storing equipment, materials and supplies.

Record-keeping techniques.

Computers and various software and programs.

ABILITY TO:

Perform journey-level electrical work in the construction, installation, maintenance and repair of electrical systems and equipment.

Work from blueprints, shop drawings and sketches.

Operate a variety of equipment and machines utilized in the basic trade including testing equipment, drills, saws, various hand and power tools.

Diagnose repair needs and defects in electrical systems.

Estimate materials and approximate time required for electrical work.

Work cooperatively and effectively with others.

Work independently with little direction.

Analyze situations accurately and adopt an effective course of action.

Read, and follow rules, regulations, policies and procedures.

Lift objects weighing up to 50 pounds using safe and proper methods and/or equipment.

Move objects weighing over 50 pounds using safe and proper methods and/or equipment.

Operate a vehicle observing legal and defensive driving practices.

Complete assignments in an efficient and timely manner.

EDUCATION AND EXPERIENCE:

Graduation from high school or high school equivalency preferred. Sufficient training and experience to demonstrate journey-level skill in the electrical trade desired.

LICENSE AND OTHER REQUIREMENTS:

Possession of a valid driver license required; possession of a current license from the California State Contractors Board desired.

WORKING CONDITIONS:

Shop and field environments; subject to lifting and climbing and exposure to high voltage and chemicals.

Subject to exposure to communicable diseases.

Job Study-1/2020