

## **MODESTO CITY SCHOOLS**

Job Description

JC# 1771

### **ELECTRICIAN II**

#### **OVERALL RESPONSIBILITY**

Under general direction, provide leadership, assistance and responsibility for planning and estimating repair work of various school facilities.

#### **SPECIFIC RESPONSIBILITIES**

1. Install and maintain high and low voltage circuits, fire alarms, clocks, sprinkler control panels, bell panel boards, lighting systems, motor circuits, electrical heating systems, and control switches.
2. Assist in trouble-shooting and maintenance of audio/visual, intercoms, speakers, public address (P.A.) systems and equipment.
3. Coordinate the repair and installation of electrical needs of the District.
4. Interpret and work from blueprints for installations, remodeling projects, and updating electrical circuitry.
5. Requisition materials, prepare labor estimates, and maintain time, labor, and material records for each project in a timely manner.
6. Inspect work projects in progress and upon completion.
7. Review bid specifications and blueprints for construction, repairs, and electrical installations.
8. Provide leadership for electricians and helpers.
9. Adhere to State, County, and District safety codes and procedures.
10. Attend Modesto City Schools' asbestos training program within the first sixty (60) days of employment.
11. Wear Modesto City Schools' identification during assigned work hours (e.g., badge or Modesto City Schools' shirt).
12. Wear breathing apparatus, shoes, eye goggles, hearing protectors, rubberized jacket, pants and boots, and protective clothing as directed.
13. Maintain a valid California Driver's License.
14. Maintain participation in CA DMV Assessment System/Automatic Pull Program.
15. Obtain a valid Department of Transportation Powered Industrial Truck Operator's Permit within the first sixty (60) days of employment and maintain the permit thereafter.
16. Effectively communicate and maintain cooperative relationships with those contacted in the course of work.
17. Perform other related duties as assigned.

#### **SALARY**

Classified Unit Salary Schedule.

## **ELECTRICIAN II (continued)**

### **QUALIFICATIONS**

#### **Knowledge/Ability**

##### **Minimum Requirements:**

- Knowledge of and ability to use electrical testing equipment.
- Knowledge of the dangers of hazardous materials and ability to take appropriate action to prevent injury to self and others.
- Knowledge of equipment safety codes and procedures.
- Knowledge of the use of materials, tools and methods used in the electrical trade.
- Knowledge of State and County electrical safety codes and standards.
- Knowledge of electrical troubleshooting techniques.
- Knowledge of and ability to perform data entry functions.
- Ability to understand and implement oral and written instructions in English.
- Ability to read blueprints and work according to plans and specifications.
- Ability to make time and material estimates.
- Ability to work from blueprints in installing or remodeling electrical circuits.

#### **Experience**

##### **Minimum Requirement:**

- Four (4) years' experience as an electrician or forty-eight (48) months experience as an electrician acquired through an accredited apprenticeship program, skill training program, or general electrical experience.

#### **Education**

##### **Minimum Requirement:**

- Graduation from high school or General Education Development (GED) Certificate or California High School Proficiency Examination (CHSPE) Certificate.

#### **License(s)/Certificate(s)/Permit(s)**

- Valid California Driver's License.
- Department of Transportation Powered Industrial Truck Operator's Permit to be obtained within the first sixty (60) days of employment.
- Must provide a DMV printout within five (5) work days of offer of employment.

#### **Physical Characteristics:**

##### **With or Without the Use of Aids:**

- Sufficient vision to read fine print, read diagrams, blueprints, and manuals, and drive and operate equipment. Sufficient depth perception. Sufficient color acuity.
- Sufficient hearing to detect and diagnose equipment malfunctions. Sufficient hearing to hear work area noise and normal conversation in person and on the telephone.
- Ability to speak in a normal voice to be able to be heard and understood on the telephone and at the work site.
- Ability to reach horizontally and vertically with arms. Sufficient dexterity to operate hand and power tools requiring strength and coordination; manipulate small objects, print or write legibly, operate precision tools; and make minute repairs.
- Sufficient physical ability, strength, mobility, and stamina to drive a vehicle, climb ladders, crawl under buildings, bend, stretch, stand, kneel, walk, stoop, crawl, and extend legs. Sufficient physical ability, strength, mobility, and stamina to perform heavy physical labor in hot, cold and inclement weather conditions. Sufficient physical ability, strength, balance, and tolerance of heights to climb trees and work on rooftops, scaffolds, and ladders at heights up to 50 feet, sometimes in precarious positions.

## **ELECTRICIAN II (continued)**

### Physical Characteristics (continued):

#### With or Without the Use of Aids:

Sufficient physical ability, strength, mobility and stamina to lift, carry, push or pull objects which may frequently exceed 75 pounds in a series of functional tests which clearly simulates the work environment. Sufficient physical ability, mobility and stamina to work in small spaces with arms extended. Physical ability to sit for extended periods of time.

Physical tolerance to chemical odors and work with a variety of chemicals.

### Pre-Employment Physical Examination

A physical and tuberculosis examination is required as a condition of employment.

Examinations shall be administered by a District provider and be at the District's expense. Individuals must evidence ability to perform physical requirements of position and test negative for tuberculosis.

### REPORTS TO:

Supervisor of Maintenance and Operations or designee.

Personnel: 6/6/96

Cabinet Approved: 6/25/96

Unit Approved: 7/30/96

Board Approved: 8/12/96

Revised: 10/30/03