

MODESTO CITY SCHOOLS

Job Description

ELECTRICIAN

PC 1760

OVERALL RESPONSIBILITY

Under general supervision, to do skilled electrical work in the installation, maintenance and repair of school electrical systems and equipment.

SPECIFIC RESPONSIBILITIES

1. Install and maintain a variety of high and low voltage circuits and data cabling (e.g. fire alarm systems, sprinkler control, on site classroom clocks, master clocks, bells, panel boards, lighting systems, motor circuits, electric heating systems, and control switches). *E*
2. Install and maintain light fixtures. *E*
3. Work from blueprints in installing, remodeling and updating electrical circuits. *E*
4. Assist in the operation and maintenance of electronic equipment (e.g. intercoms, speakers, P.A. systems). *E*
5. Keep necessary records (e.g. time, labor, and materials required and expended per job, budget documents, etc.). *E*
6. Adhere to State, County, and City electrical codes. *E*
7. Adhere to State, County, and City fire codes. *E*
8. Adhere to State, County, and District safety codes and procedures. *E*
9. Lead the work of helper(s). *E*
10. Understand and implement oral and written directions. *E*
11. Perform basic arithmetic calculations with speed and accuracy. *E*
12. Requisition materials needed for jobs. *E*
13. Perform troubleshooting techniques. *E*
14. Attend Modesto City Schools' asbestos training program within the first sixty (60) days of employment. *E*
15. Wear Modesto City Schools' identification during assigned work hours (e.g., badge or Modesto City Schools' shirt). *E*
16. Wear breathing apparatus, shoes, eye goggles, hearing protectors, rubberized jacket, pants and boots, and protective clothing as directed. *E*
17. Maintain a valid California Driver's License. *E*
18. Maintain participation in CA DMV Assessment System/Automatic Pull Program. *E*
19. 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. *E*
20. Utilize technology as appropriate to the position. *E*

ELECTRICIAN (continued)

21. Effectively communicate and maintain cooperative relationships with those contacted in the course of work.
22. Perform other related duties as assigned.

SALARY

Classified Unit Salary Schedule

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 practices 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 directions.
- 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 work on rooftops, scaffolds, and ladders at heights up to 50 feet, sometimes in precarious positions. Sufficient physical

ELECTRICIAN (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 chemicals and chemical odors.

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.

Board Approved: 7/1/96

Reclassification/Equity Adjustment Review Committee Revised and Approved: 09/26/18