



JOB TITLE: ELECTRICIAN

Classification: Classified
Salary Range: 37

Retirement Type: PERS*
Board Approved: March 20, 2000

BASIC FUNCTION:

Under the direction of the Electrical Supervisor or assigned administrator, perform skilled electrical work in the repair, maintenance, alteration and construction of District buildings and facilities; install, repair, service and maintain electrical systems and equipment.

REPRESENTATIVE DUTIES:

Inspect, repair, install, service and maintain electrical systems including conduit and duct systems, lighting and power circuits, transformers, control equipment, switches, switchboards, fire alarms, fans, fixtures, bell and buzzer systems and clocks.

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

Install and perform repair of electrical systems for lighting, heating, ventilation and air conditioning; replace fuses.

Inspect, repair, install or replace high voltage cables and equipment.

Prepare cost estimates for repair and order materials in accordance with established procedures.

Observe and comply with federal, state and local electrical codes.

Operate a variety of tools and power equipment including saws, voltage tester, ohmmeter, multimeter and other maintenance tools and equipment.

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

Diagnose and resolve difficult electrical problems; call electrical company as necessary; observe safety of others and recommend precautionary action while repairs are in progress as necessary.

Provide work direction and guidance to other maintenance personnel, as assigned, to properly and safely complete work orders.

Assist in performing other skilled maintenance duties such as assisting in air conditioning and plumbing troubleshooting and repairs as it relates to electrical discipline.

Assist in troubleshooting and analyzing Digital Analog Systems and Logic Control Systems; repair Communications Systems D/C and A/C and Solid State equipment; replace Solid State components; assist in installing and serving communication and data cables.

Perform related duties as assigned.

JOB QUALIFICATIONS:

Education and Experience:

Any combination equivalent to: four years of training or experience, which demonstrates journey-level skill in electrical trade.

OTHER QUALIFICATIONS:Knowledge/Areas of Expertise:

Technical aspects of field of specialty.

Basic electrical theory and calculation of formulas.

Electrical codes and their proper implementation.

Health and safety regulations.

Record-keeping techniques.

Materials, methods, tools and equipment used in electrical work.

Abilities/Skills:

Repair, install and maintain a wide variety of electrical systems and equipment.

Make arithmetic calculations related to specialty quickly and accurately.

Work from blueprints, shop drawings and sketches.

Use a variety of tools and machines utilized in the basic trade including voltmeter, ohmmeter, multimeter and hydraulic truck lifts.

Understand and follow oral and written directions.

Work independently with little direction.

Analyze situations accurately and adopt an effective course of action.

Lift objects weighing up to 50 lbs.

Perform other skilled maintenance work as assigned.

Prepare cost estimates.

Establish and maintain cooperative working relationships with others.

WORKING CONDITIONS:

Work outdoors and underground.

Work at varying heights.

Work on slippery and uneven places.

Subject to loud noises or vibrations.

Work with high voltage.

Occasionally climb ladders.

Frequently reaching below shoulder level

Hand and finger dexterity to grasp, handle and twist various equipment.

Occasionally install various electrical components.

Recognize and see warning signs, obstacles and/or hazardous conditions.

* Previous employment performed in a different public retirement system may allow eligibility to continue in the same retirement system.