CHICO UNIFIED SCHOOL DISTRICT
SENIOR MAINTENANCE WORKER - ELECTRICIAN

DEFINITION
Under direction, to perform a variety of skilled maintenance and repair work in electrical and other related areas.

SUPERVISION EXERCISED
May exercise technical and functional supervision over lower level staff.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES
• Perform a full range of skilled electrical maintenance work involved in the installation, repair and alteration of electrical equipment and lighting and wiring systems.
• Receive work orders; confer with supervisors and building administrators to determine work priorities; confer with originators regarding desired finished product; determine exact specifications of work requested; estimate supplies, materials and costs of repair projects; requisition necessary materials, parts, supplies, tools and equipment.
• Verify proposed electrical circuitry installation for compliance with pertinent codes and regulations; install circuitry in compliance with national electrical code; ensure safety standards are maintained throughout the process.
• Diagnose and trouble shoot electrical wiring and/or lighting problems using visual inspection, specialized equipment and/or architectural plans/diagrams of electrical circuits.
• Diagnose, repair, or replace pump motors, timers and relays; analyze and draw motor control circuits, interlocks and other systems for sprinkler and fire alarm systems, garage doors, air compressors and related systems.
• Install, bend and pull electrical conduit, IMC, EMT and non-metallic conduit; install surface metal raceways, gutters and floor ducts.
• Connect power transformers, 3 phase and single phase, switchboards, panel boards and shunt trip breakers.
• Perform repairs by soldering electrical connectors or unit replacement; replace ballasts, switches, fixtures, or wiring; ensure proper operation prior to departure.
• Perform electrical appliance repair; diagnose problem; determine disposition of the appliance; research manual to determine replacement part(s); perform repair.
• Read and interpret blueprints and schematics.
• Maintain records of work performed; maintain records and inventory of materials, supplies, tools and equipment; prepare and submit reports.
• Operate heavy equipment when required; operate light trucks, trailers, or other equipment to move, haul and deliver materials, equipment and maintenance supplies; load and unload materials and equipment.
• Operate a variety of hand and power tools and equipment necessary in the performance of assigned duties, including amp-voltmeter, test light, amprobe, drills and soldering iron.
• Clean work areas at sites and at shop; clean and maintain tools and other equipment.
• Follow preventative maintenance schedules where appropriate.
• Check buildings and equipment to locate needed repairs and maintenance; report unsafe conditions to supervisors.
• Perform related duties and responsibilities as assigned.

JOB RELATED AND ESSENTIAL QUALIFICATIONS
Knowledge of:
• Practices, methods, techniques, materials, tools and equipment used in electrical and related trades at the journey level.
• Laws, codes and regulations pertaining to assigned area.
• Occupational hazards and standard safety practices necessary in the area of maintenance and repair.
Chico Unified School District
Senior Maintenance Worker – Electrician, con’t

- Terminology used in maintenance and repair work.
- Basic mathematical principles.
- Safe driving principles and practices.

Skill to:
- Operate a wide variety of hand and power tools and power equipment required for assigned trades work in a safe and effective manner.
- Operate a motor vehicle safely.

Ability to:
- Perform a full range of skilled electrical and related maintenance and repair duties under minimal supervision.
- Interpret and apply the policies, procedures, laws, codes and regulations pertaining to assigned programs and functions.
- Maintain and repair buildings systems.
- Read, interpret and apply a wide variety of technical information from manuals, drawings, specifications, layouts, blueprints and schematics.
- Evaluate new products and recommend usage.
- Estimate time, materials and equipment required for assigned jobs.
- Plan and organize work to meet schedules and deadlines.
- Prepare and maintain accurate and complete records.
- Understand and follow oral and written instructions.
- Establish, maintain and foster positive and harmonious working relationships with those contacted in the course of work.

Experience and Training Guidelines:
Any combination equivalent to experience and training that would provide the required knowledge, skills and abilities would be qualifying. A typical way to obtain the knowledge, skills and abilities would be:

Experience:
- Four years of electrical and related building maintenance trades experience.
- Must be at least 21 years of age.

Training:
- Formal or informal education or training which ensures the ability to read and write at a level necessary for successful job performance supplemented by completion of a formal apprenticeship program.

License or Certificate:
- Possess an appropriate, valid driver’s license.

Special Requirements:
Essential duties require the following physical skills and work environment:
- Please refer to the Job Analysis.