

4J SCHOOL DISTRICT

JOB TITLE:	ELECTRICIAN SPECIALIST	Dot #: 829.131-014
Department:	Facilities Maintenance	
Work Hours:	8 hour shift/5 day week/subject to extended hours - evenings/on-call/emergencies	
JOB SUMMARY:	<ul style="list-style-type: none"> ·Incumbent's work assignment varies from Administrative tasks to Lead Electrician. ·Performs advanced technical design, planning, and estimation of electrical systems installation, maintenance, alteration, or repair projects for District buildings or properties. ·Applies for/obtains permits to perform electrical work; oversees work as mandated by State law. ·Design, replace/modify electrical installations for computer banks, interior/exterior lighting systems, control systems, fire alarms. Compute footcandle, feed sizing, fusing, grounding; determine surge suppression and temperature sensor location needs; develop plan specifications and cost estimates; install circuitry, wireways and switching. ·Perform safety-related inspection and repair of fire alarms, fluorescent lighting, panelboards, boiler and shop equipment controls, electrical connections and switches. Trace malfunction; determine cause; locate and order replacement parts and perform necessary repairs. ·Provide quality control and technical guidance to Electricians and other District staff. 	
QUALIFICATIONS:	<ul style="list-style-type: none"> ·Oregon State General Supervisors License for the electrician trade with continuing education to retain license. ·Comprehensive knowledge of the National Electric Code, electrical theory, methods of electrical installation. 	
ESSENTIAL JOB FUNCTIONS: (Constantly over 2/3 time, Frequently 1/3-2/3 time, Occasionally under 1/3 time, Rarely under 10% time)		
Physical:	<p>Standing/Walking: Occasionally/frequently; on all types of surfaces throughout shift, up to 2-3 miles/shift depending on assignment.</p> <p>Sitting: Occasionally/frequently; while performing administrative duties/paperwork, driving vehicle.</p> <p>Lift/Carry: Occasionally, 1-75 lbs.; hand/power tools, equipment, panels, short distance up to 50 feet.</p> <p>Push/Pull: Occasionally; using both hands/arms in removing panels on equipment, moving equipment/supplies, tightening connections, up to 30-50 lbs. force.</p> <p>Climbing: Occasionally/frequently; stairs/ladders, to inspect or supervise repairs, depending on location.</p> <p>Bending/Twisting: Occasionally; at waist/knees/neck while inspecting or supervising repairs. Repairs may require awkward positions, extended reaching/leaning.</p> <p>Kneeling/Crouching/Crawling: Occasionally; while working in attics, tunnels, underneath structures.</p> <p>Hands/Arms: Frequent use of both hands/arms in reaching/handling/grasping/fingering while performing various duties. Work can be highly repetitive and may require excessive gripping/fingering in handling large/small parts. Occasional overhead reaching required.</p> <p>Sight/Hearing/Speech: Constantly; required to evaluate/diagnose/problem solve work. Visual requirements include color vision, depth perception, peripheral vision, hand/eye/foot coordination, visual acuity in near/mid/far range.</p> <p>Other Physical Requirements: Must possess sense of smell and tactile feeling.</p>	
Mental:	<ul style="list-style-type: none"> ·Constant mental alertness, attention to detail, and a high degree of accuracy required. ·Must be able to work independently, make decisions, and follow through on all work as assigned. ·Must be able to supervise and manage activities of several people and be able to delegate responsibility to assigned crew based on skill levels. ·Must be able to plan/organize work, coordinate crews, work under pressure of deadlines and interruptions, adverse conditions, and uncomfortable body positions. ·Must be flexible, able to respond quickly to emergencies and work rotating shift. ·Must possess good mathematical ability to complete electrical repairs. ·Must read/write/speak English, read technical manuals, catalogs, record data, complete paperwork. ·Must possess excellent memory, apply extensive knowledge and experience to many situations. ·Must possess good interpersonal skills, work with variety of people, relate to assigned personnel. ·Must be able to train others in proper operation of equipment as required. ·Ability to read blueprints and electrical circuitry schematic diagrams. 	
WORK CONDITIONS	<ul style="list-style-type: none"> ·Work may be indoors or outdoors depending on assignment. ·Hazards: exposure to electric shock up to 15,000 volts, burns, toxic/caustic chemicals, odors/fumes/dust, sparks, sudden temperature changes, heat, humidity, wet/oily/slippery surfaces, sharp edges, pinch points, moving equipment and machinery, vibration, and noise. ·Equipment used: overhead crane/hoist, hand/power tools, electrical testing equipment, forklift, truck, computer. ·Safety Equipment: Safety shoes, eye and hearing protection, hard hat, gloves, apron. 	

