

## EDITED KSAPC LISTING

### CLASSIFICATION: ELECTRICIAN III (CORRECTIONAL FACILITY)

**NOTE:** Each position within this classification may perform some or all of these KSAPCs.

<b>KSAPC Statements</b>	
<b>Knowledge of:</b>	
K1.	Advanced knowledge of principles used in the installation, maintenance, and repair of electrical equipment (e.g., wiring, switches, lighting, transformers, switchboard, motor control centers, etc.) in order to accomplish a work assignment and to provide direction/information.
K2.	Advanced knowledge of methods used in the installation, maintenance, and repair of electrical equipment (e.g., wiring, switches, lighting, transformers, switchboard, motor control centers, etc.) in order to accomplish a work assignment and to provide direction/information.
K3.	Advanced knowledge of materials used in the installation, maintenance, and repair of electrical equipment (e.g., wiring, switches, lighting, transformers, switchboard, motor control centers, etc.) in order to accomplish a work assignment and to provide direction/information.
K4.	Advanced knowledge of tools and equipment used in the installation, maintenance, and repair of electrical equipment (e.g., wiring, switches, lighting, transformers, switchboard, motor control centers, etc.) in order to accomplish a work assignment and to provide direction/information.
K5.	Advanced knowledge of the rules and regulations (e.g., National Electrical Code [NEC], California Code of Regulations, etc.) in order to safely complete work assignments and provide direction/information.
K6.	<b>Comprehensive knowledge of procurement procedures of electrical materials, tools and equipment in order to maintain a correctional facility.</b>
K7.	<b>Comprehensive knowledge of supervision methods in order to maintain the safety and security of the institution, staff, property, etc. and prevent injuries and escapes.</b>
K8.	<b>Comprehensive knowledge of mathematics in order to calculate labor, material, and/or cost estimates for planned projects.</b>
K9.	<b>Basic knowledge of computer applications (e.g. Microsoft Word, Microsoft Excel, etc.) in order to assist in the completion of assignments.</b>

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<b>KSAPC Statements</b>	
<b>Ability to:</b>	
A1.	Communicate effectively with individuals or groups to provide accurate information, instruction, direction, and maintain effective working relationships.
A2.	Read, interpret and prepare plans, drawings, and specifications to obtain/provide information for electrical work.
A3.	Develop rough sketches of minor electrical installations to provide an updated blueprint.
A4.	Calculate necessary labor and materials in order to estimate cost provide information, and plan/complete electrical work.
A5.	Maintain records and reports in order to provide information, documentation and ensure compliance with departmental policies.
A6.	Inspect the work of a crew of electricians and/or unskilled workers (inmates) to ensure proper installation of work and compliance with codes and regulations.
A7.	Plan, layout, and coordinate electrical work with departmental trades people, institutional staff, contractors and vendors to provide direction, information and code compliance of electrical assignments.
A8.	<b>Troubleshoot electrical problems/equipment to repair and ensure the safe and proper operation of the facility and adhere to all codes and regulations.</b>
A9.	<b>Inspect tools and equipment in order to ensure safe and proper operation and complete daily assignments.</b>
A10.	<b>Use tools and equipment safely and effectively during the performance of daily assignments.</b>
A11.	<b>Train skilled and unskilled workers on proper use/operation of tools and equipment needed to maintain and repair electrical equipment to ensure safety of all staff.</b>

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<b>KSAPC Statements</b>	
<b>Skill to:</b>	
S1.	Install, maintain and repair electrical equipment (e.g. wiring, switches, lighting, transformers, various voltages not to exceed 600VAC, switchboard, motor control centers, etc.) to ensure proper functioning, safety and security of the institution.

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<b>KSAPC Statements</b>	
<b>Personal Characteristics:</b>	
PC1.	Must be reasonably expected to have and maintain sufficient strength, agility, and endurance to perform during stressful (physical, mental, and emotional) situations encountered on the job without compromising their health, safety and well-being or that of their fellow employees or inmates.