

## EDITED KSAPC LISTING

CLASSIFICATION: **PLUMBER 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 and methods used in the installation, maintenance, and repair of plumbing equipment (e.g., underground utilities, valves, fixtures, etc.), to accomplish a work assignment and provide direction/information.
K2.	Advanced knowledge of materials, tools and equipment used in the installation, maintenance and repair of plumbing equipment (e.g., underground utilities, valves, fixtures, etc.), to accomplish a work assignment and provide direction/information.
K3.	Basic knowledge of the rules and regulations (e.g., Uniform Plumbing Codes [UPC], Safety Orders of the Division of Industrial Safety applicable to plumbing, California Code of Regulations [CCR], etc.), to safely complete work assignments provide direction/information.
K4.	Basic knowledge of departmental rules and regulations governing the procurement process for plumbing materials, tools and equipment in order to maintain the facility.
K5.	Basic knowledge of institutional policies and procedures for inmate/ward supervision to maintain safety and security of the institution, staff, property, etc. and to prevent escapes.
K6.	Basic math knowledge to calculate labor, material and/or cost estimates for planned projects.
K7.	Basic knowledge of computer applications (e.g., Microsoft Word, Microsoft Excel, etc.), to assist in the completion of various assignments.

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<b>KSAPC Statements</b>	
<b>Skill to:</b>	
S1.	Safely operate mechanical tools to maintain plumbing infrastructure.

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<b>KSAPC Statements</b>	
<b>Ability to:</b>	
A1.	Install plumbing equipment (e.g., underground utilities, valves, fixtures, etc.), to accomplish a work assignment.
A2.	Maintain plumbing equipment (e.g., underground utilities, valves, fixtures, etc.), to accomplish a work assignment.
A3.	Repair plumbing equipment (e.g., underground utilities, valves, fixtures, etc.), to accomplish a work assignment.
A4.	Communicate effectively with individuals or groups to provide accurate information, instruction and direction.
A5.	Interpret and prepare rough sketches, plans (blueprints), drawings, and specifications to obtain/provide information for plumbing work.
A6.	Estimate costs to determine and calculate necessary labor and materials to provide information, plan and complete plumbing work.
A7.	Maintain records and reports to provide information and documentation of events.
A8.	Inspect the work of a crew of plumbers and/or unskilled workers (inmates) to ensure proper completion of work and be in compliance with codes and regulations.
A9.	Plan, layout and coordinate plumbing work with departmental trades people, custody staff and other institutional program staff, contractors and vendors to provide direction, information, and ensure accuracy/compliance of plumbing assignments.
A10.	Troubleshoot plumbing problems/equipment to repair and ensure the safe and proper operation of the facility.
A11.	Care of hand and power tools to ensure safe and proper operation during the performance of daily assignments.
A12.	Use of hand and power tools to ensure safe operation for the plumber and proper operation of the tools during the performance of daily assignments.

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<b>KSAPC Statements</b>	
<b><i>Personal Characteristics:</i></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 and well-being or that of their fellow employees or that of inmates.
PC2.	Assignments may include sole responsibility for the supervising of inmates and/or the protection of personal and real property.