

## EDITED KSAPC LISTING

CLASSIFICATION: **PLUMBER II, (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.	Comprehensive knowledge of principles and methods used in the installation, maintenance and repair of plumbing equipment in order to accomplish a work assignment and/or provide direction/information.
K2.	Comprehensive knowledge of materials, tools and equipment used in the installation, maintenance and repair of plumbing equipment in order to accomplish a work assignment and/or provide direction/information.
K3.	Comprehensive knowledge of Safety Orders of the Division of Industrial Safety as it relates to California Occupational Safety and Health Administration (Cal-OSHA) in order to safely complete work assignments and/or to provide direction/information.
K4.	Comprehensive knowledge of building and/or plumbing codes (e.g., Departmental Operational Manual [DOM], etc.) in order to safely complete work assignments and/or to provide direction/information.
K5.	<b>Comprehensive knowledge of backflow prevention/cross connection, used in the installation, maintenance and repair of potable water systems to comply with the Department of Public Health regulations.</b>
K6.	<b>Comprehensive knowledge of the Americans with Disabilities Act as related to the installation, maintenance, and repair of plumbing equipment to comply with federal regulations.</b>
K7.	<b>Basic knowledge of institutional policies and procedures for inmate supervision to maintain safety and security of the institution, staff, property, etc. and help prevent escapes.</b>
K8.	<b>Basic knowledge of math in order to calculate labor, material and/or cost estimates for planned projects.</b>
K9.	<b>Basic knowledge of computer applications (e.g. Microsoft Outlook, SOMS, Microsoft Word, Microsoft Excel, etc.) in order to assist in the completion of various assignments.</b>
K10.	<b>Basic knowledge of communication principals and techniques in order to exchange information and/or provide direction to inmates, staff and vendors.</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 and to maintain effective working relationships.
A2.	Interpret rough sketches, plans (blueprints), drawings and specifications to obtain and provide information for plumbing work.
A3.	Maintain records and reports to provide information for various institutional programs.
A4.	Prepare rough sketches and specifications to provide information for plumbing work.
A5.	Estimate costs to determine and calculate necessary labor and materials to provide information for completion of plumbing work.
A6.	Follow oral and written instructions in order to complete daily tasks.
A7.	Instruct the work of a crew of plumbers and/or unskilled workers (inmates) to ensure proper completion of work and compliance with codes and regulations.
A8.	Plan, layout and coordinate plumbing work with inmates and others to provide direction, information and to ensure accuracy and completion of plumbing projects.
A9.	<b>Care for and use hand and power tools to ensure safe and proper operation during the performance of daily assignments.</b>
A10.	<b>Evaluate situations accurately and take appropriate corrective action for safety and security of the insitution.</b>

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<b>Skill to:</b>	
S1.	Safely operate hand tools and mechanical equipment used in the performance of plumbing work in order to complete projects and repairs.
S2.	<b>Perform proper maintenance of tools and equipment used in installation, maintenance, and repair of plumbing systems in order to ensure the safety of staff/inmates.</b>

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<b><i>Physical Characteristics:</i></b>	
PC1.	Demonstrate sufficient strength, endurance and physical agility necessary to meet the stressful (physical, mental and emotional) demands of the job.
PC2.	<b>Remain standing while making repairs to various types of plumbing systems and when supervising inmates involving 1/3 to 2/3 of the workday.</b>
PC3.	<b>Walk throughout the institution to work sites in order to repair or inspect plumbing systems involving 1/3 to 2/3 of the workday.</b>
PC4.	<b>Lift various tools, equipment, and materials weighing 25 to 40 pounds involving 1/3 or less of the workday in order to install, maintain and repair plumbing systems.</b>
PC5.	<b>Bend, stoop, and kneel to inspect or repair plumbing fixtures or piping in small or confined spaces throughout the institution involving 1/3 or less of the workday.</b>
PC6.	<b>Climb ladders to access the roof and/or overhead plumbing to work on projects and work orders throughout the institution involving 1/3 or less of the workday.</b>