

COMPETENCY ANALYSIS PROFILE

PLUMBER

SKILLS



PROTECT SELF AND OTHERS 5455.0	Identify, interpret and apply acts, codes, regulations and directives 5455.01	Select, wear, adjust use and maintain personal protective equipment and apparel 5455.02	Recognize and asses hazards and hazardous conditions 5455.03	Control hazards 5455.04	Assembles, erect use and dismantle platform and scaffolds 5455.05
	Perform lock out and tagging procedures 5455.06	Operate and maintain tools and equipment 5455.07	Perform housekeeping duties 5455.08		
COMMUNICATE 5456.0	Demonstrate effective, interpersonal relations, recognizing human rights and equality 5456.01	Develop a work plan 5456.02	Give instructions to others 5456.03	Read and interpret documents and/or specifications 5456.04	Write job-related documents 5456.05
	Practice personal hygiene 5456.06				
READ INTEPRET CREATE AND MAINTAIN DRAWINGS AND SPECIFICATIONS 5457.0	Identify drawings and specifications 5457.01	Read and interpret drawings and specifications 5457.02	Identify and select drawing equipment 5457.03	Create drawings and sketches 5457.04	Follow the drawing approval process 5457.05
	Maintain documentation 5457.06				

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DESIGN SYSTEMS 5458.0	Identify type of system to be installed 5458.01	Complete a heat loss/gain calculation 5458.02	Determine system and installation requirements 5458.03	Determine equipment to be installed 5458.04	Select the fixtures to be installed 5458.05
	Select the devices to be installed 5458.06	Layout and illustrate the system 5458.07	Submit design documentation for approval 5458.08		
PLAN AND PREPARE FOR THE PROJECT 5459.0	Create material and labour take-off 5459.01	Complete system installation application and documentation 5459.02	Determine equipment and tools required to complete project 5459.03	Expedite job material 5459.04	Determine job scheduling 5459.05
	Verify deliveries 5459.06	Store material equipment and tools 5459.07			
INSTALL PIPE, FITTINGS VALVES AND SUPPORTS 5460.0	Identify piping materials 5460.01	Determine pipe fittings 5460.02	Identify control Valves 5460.03	Identify joining methods 5460.04	Identify pipe supports and hangers 5460.05
	Creative a series of openings in the structure 5460.06	Install pipe supports and hangers 5460.07	Install pipe and fittings 5460.08	Join the pipe and fittings 5460.09	

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INSTALL PIPING SYSTEMS 5461.0	Determine and identify piping systems to be installed 5461.01	Check pipe and fitting characteristics 5461.02	Identify the installation location of piping systems 5461.03	Install piping systems 5461.04	Label and/or tag piping systems 5461.05
	Install fire stopping 5461.06				
INSTALL FIXTURES 5462.0	Identify the fixtures 5462.01	Check fixture characteristics 5462.02	Select the fixtures 5462.03	Assemble the fixtures and trim 5462.04	Identify the installation location of the fixtures 5462.05
	Install fixture supports and hangers 5462.06	Install and connect the fixtures 5462.07	Install bathroom accessories 5462.08		
INSTALL EQUIPMENT 5463.0	Identify equipment to be installed 5463.01	Check the equipment characteristics 5463.02	Select the equipment 5463.03	Assemble the equipment 5463.04	Identify the installation location of the equipment 5463.05
	Install equipment supports and hangers 5463.06	Install and connect the equipment to piping systems 5463.07			

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INSTALL DEVICES 5464.0	Identify the devices 5464.01	Check the device characteristic 5464.02	Select the devices 5464.03	Assemble the devices 5464.04	Identify the installation locations 5464.05
	Install device supports and hangers 5464.06	Install and connect the devices to equipment and piping systems 5464.07			
TEST SYSTEMS 5465.0	Identify the systems to be tested 5465.01	Determine system set up required 5465.02	Arrange for test or a testing schedule 5465.03	Perform piping system procedures 5465.04	Confirm test results 5465.05
COMMISSION ACTIVATE SYSTEMS 5466.0	Identify piping systems requiring commissioning and/or activation 5466.01	Perform final systems inspection 5466.02	Commission the systems 5466.03	Instruct end users 5466.04	
PERFORM RIGGING AND HOISTING 5467.0	Read and interpret job specifications and shop drawings 5467.01	Inspect the job site 5467.02	Determine the equipment required 5467.03	Schedule the lift 5467.04	Inspect the rigging and hoisting equipment 5467.05
	Connect the equipment to the rigging 5467.06	Secure the hoisting area 5467.07	Perform the lift and move the load 5467.08	Position and secure the load 5467.09	Disconnect the load from the rigging devices 5467.10
	Communicate throughout the operation 5467.11	Remove and store rigging equipment 5467.12			

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SERVICE AND MAINATIN MECHANICAL SYSTEMS 5468.0	Troubleshoot mechanical systems 5468.01	Diagnose the mechanical system problems 5468.02	Prepare service and/or maintenance proposals 5468.03	Communicate with clients representatives 5468.04	Obtain approvals from the client and others 5468.05
	Perform the required service and/or maintenance 5468.06	Test the system 5468.07	Recommission the system 5468.08	Complete service documentation 5468.09	