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SELF - ASSESSMENT GUIDE

Qualification:	Plumbing NC III		
Unit of Competency covered:	<ul style="list-style-type: none"> • Install centralized hot, chilled and / or potable water piping system • Install riser / downfeed and distribution water supply system • Install and connect pumps to plumbing system • Perform finishing and trimming of plumbing fixtures and accessories • Oversee plumbing works 		
Instruction:			
<ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a tick in the appropriate box opposite each question to indicate your answer. 			
Can I?	YES	NO	
Install centralized hot, chilled and / or potable water piping system			
• Interpret work instruction in line with job requirements			
• Prepare pipes and fittings following prescribed procedures, tolerances and finishes consistent with job requirements			
• Prepare and select tools/equipment as per job requirement			
• Selects and use PPE in accordance with job requirements			
• Use tools and equipment following established procedures			
• Align, connect and weld pipes and fittings in line with job requirements			
• Install pipe supports / braces / insulation materials following prescribed procedures and specifications			
• Apply leak testing after completion of roughing-ins and complete installation of pipe supports.			
• Set the testing apparatus to specified pressure rating according to testing standards.			
• Apply gravity or flood testing to sanitary, waste, vent and storm drainage			
• Perform good housekeeping			
Install riser / downfeed and distribution water supply system			
• Perform measurements in accordance with the piping lay-out plans			
• Make joints in strict compliance with plumbness and levelness and/ or alignment with job requirements			
• Select appropriate tools and equipment as per job requirements			

• Select and uses PPE consistent with job requirements		
• Tag and identify valves in line with their specific functions according to job requirements		
• Clean and fit pipes and fittings properly for a leak free joints and connections		
• Perform dry fitting connections according to job requirements		
• Install pipe supports and braces following prescribed procedures		
• Erect scaffoldings and flat forms according to job requirements and safety standards		
• Perform threaded connections in line with the piping table and approved specifications.		
• Fit and connect PP-R pipes and fittings according to standard practice		
• Fit and connect HDPE pipes and according to standard practice		
• Fabricate and install pipe hangers, sway braces and supports according to standards and job specifications		
• Perform good housekeeping		
• Use Teflon tape or any other type of jointing materials.		
Install and connect pumps to plumbing system		
• Identify and select the location of pump mounting pad based on approved plan and actual site condition		
• Check the rating and capacity of pumps and accessories in accordance with its uses.		
• Read and interpret basic operation and maintenance of pumps in accordance with the manufacturer's specifications.		
• Identify power requirements of pumps and accessories according to voltage requirements		
• Identify and select rating and capacity of valves according to its application		
• Mark gate valves open or close normally during system operation		
• Perform testing and commissioning of pumps and accessories in accordance with the Operation and Maintenance Manual		
• Select and use PPE consistent with job requirements		
• Perform good housekeeping		
<i>Perform finishing and trimming of plumbing fixtures and accessories</i>		
• Determine the location of stub-outs for plumbing fixtures as per job requirements		
• Prepare finishing tools and equipment according to the job requirements		
• Secures approval from person in-charge before mounting of plumbing fixtures		

• List and select plumbing fixtures according to job requirements and finishing schedules.		
• Observe the proper use of finishing tools and equipments in accordance with the manufacturer's installation manual		
• Prepare and submit verified report stub-out to person in charge		
• Mount plumbing fixtures and trims according to manufacturer's instruction manual		
• Select finishing tools and equipment in accordance with the job requirement		
• Conduct testing and flushing of installed plumbing fixtures and trimmings		
• Perform good housekeeping in accordance with OSH standards		
Oversee Plumbing Works		
• Check preparatory activities based on workplace procedures and job requirements		
• Check tools and equipment before start of work		
• Observe and ensure safety of manpower in accordance with job requirements		
• Check measurements, joints, appropriate PPE, materials and tools and equipment in accordance with occupational health and safety guidelines		
• Check all valves, pipe supports, hangers and sway braces for plumbness in accordance with work standards		
• Observe safety of manpower in accordance with job requirements		
• Determine and evaluate location of pump, ratings, capacity and power requirements in accordance with manufacturer's manual.		
• Check pump operation, maintenance manual, and appropriate tools and equipment in accordance with work standards.		
I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.		
Candidate's Name & signature:	Date:	