Reference. No.																	

SELF - ASSESSMENT GUIDE

Qualification:	**Plumbing NC II**		
Unit of Competency covered:	• Prepare estimation of materials for multiple plumbing units • Perform Multiple Units of Plumbing Installation and Assemblies • Conduct Pipe Leak Testing • Perform Plumbing Repair and Maintenance Works		
Instruction: • 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**
Prepare estimation of materials for multiple plumbing unit			
• Determine measurements and specification of materials indicated on plans according to job requirements and details			
• Identify and interpret the plumbing legends, symbols and abbreviations			
• Determine / visualize plumbing layout on drawing, schematic diagram and details			
• Identify the materials, tools and equipment use in accordance in the job requirements			
• Summarize all the gathered result for the submission in accordance with the job requirements			
• Quantify and list all materials, tools and equipment according to the job requirements			
• Present bill of materials and cost estimates to the client			
Perform Multiple Units of Plumbing Installation and Assemblies			
• Read / interpret works instructions / plans in accordance with job requirements			
• Select and prepare of materials, tools and equipment in line with job requirements			
• Install pipes and fittings as indicated in the approved working plans			
• Install pipe supports and braces in accordance with approved working plan			
• Observe correct use of tools and equipment in accordance with manufacturer's instruction manual			
• Use correct specifications of materials for hot and cold water piping according to job requirements			

• Install hot and cold water supply according to approved plan and material specification		
• Assemble and install leak free water supply pipelines		
• Use pipe insulation materials which are in accordance with the correct specification according to job requirements		
• Install building drains/sewer and ventilation in accordance to the approved plan		
• Use correct specifications of plumbing fixtures in accordance with the job requirements		
• Install plumbing fixtures and accessories according to specified roughing-in measurements and/or manufacturer's instruction manual		
• Secure plumbing fixtures and accessories rigidly with strict adherence to perpendicularity and levelness		
• Select and use appropriate PPE in line with job requirements		
Conduct pipe leak testing		
• Read and interpret work instructions in accordance with the job requirements		
• Select and prepare materials, tools and equipment in line with job requirements		
• Apply leak testing after completion of roughing-ins and complete installation of pipe supports.		
• Set testing apparatus to specified pressure rating according to testing standards.		
• Apply gravity or flood testing to sanitary, waste, vent and storm drainage		
• Use the tools and equipment correctly in accordance with manufacturer's specifications		
• Select and use PPE in line with job requirements		
• Perform good housekeeping		
Perform plumbing repair and maintenance works		
• Select and use materials, tools, equipment and correctly in accordance with manufacturer's specifications		
• Select and use PPE in line with job requirements		
• Identify defective pipes, fittings and plumbing fixtures in line with job requirements		
• Repair and / or replace defective pipes, fittings and plumbing fixtures following standard operating procedures		
• Ensure all joints are tightly secured in accordance with job requirements		

• Check and re-test replacements to ensure free from defects in accordance with standard specification or as required		
• Restore and repair damage areas in line with job requirements		
• Identify clogged pipes and drains in reference with the as-built plan		
• Clear clogged pipes and drains following established / recommended procedures		
• Perform good housekeeping		
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:**	