

**073204T4PLM**

**PLUMBER LEVEL 4**

**CON/OS/PL/CR/01/4/A**

**INSTALL WATER PIPES AND ANCILLARY APPLIANCES**

**NOV /DEC 2023**



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION  
COUNCIL (TVET CDACC)**

**PRACTICAL ASSESSMENT**

**INSTRUCTIONS TO THE ASSESSOR**

1. You are required to mark the practical as the candidate performs the tasks.
2. You are required to take video clips at critical points.
3. Ensure the candidate has an identification tag pinned at the back and front near the shoulders showing Candidate's name and registration code.

***This assessor guide consists of 5 printed pages.***



OBSERVATION CHECKLIST			
<b>Candidate's name &amp; Registration Code</b>			
<b>Assessor's name &amp; Registration Code</b>			
<b>Venue of Assessment</b>			
<b>Date of assessment</b>			
<b>Items to be evaluated:</b> <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	<b>Marks available</b>	<b>Marks obtained</b>	<b>Comments</b>
<b>TASK 1: ASSEMBLE TOOLS, MATERIALS AND EQUIPMENT AND SAFETY</b>			
1. Used personal Protective Equipment is in line with occupational safety and health requirements <ul style="list-style-type: none"> <li>• Gloves</li> <li>• Apron</li> <li>• Helmet</li> <li>• Safety boots</li> </ul> <i>(Award 1 mark for each PPE used or zero)</i>	3		
2. Identified materials according to job requirement. <i>(Award 1 mark for material correct identification and use or zero)</i>	1		
3. Identified materials required for piping based on the drawings and positioning correctly. <i>(Award 2marks for materials identified correctly and positioning or zero)</i>	2		



**TASK 2: INTERPRET ARCHITECTURAL DRAWING**

4. Interpreted drawing based on the specification (Award 2 marks or zero)	2		
5. Identified symbols based on the drawing. (Award 1 mark for correct identified symbol or zero)	3		

**TASK 3 INSTALL WATER PIPES AND SYSTEMS IN BUILDINGS.**

6. Set out and marked positions of pipes based on working drawings (Award 1 mark or zero)	1		
7. Threaded galvanized Iron pipes based on best practices. (Award 3marks for correct thread formed or zero)	3		
8. Joined pipes in accordance with best practices and manufacturer's instructions. (Award 1 mark or zero)	1		
9. Bended pipes based on type, drawing specifications and requirements of the job. (Award 2 marks for correct bending or zero)	2		
10. Fitted pipes based on drawing specifications. (Award 1 mark or zero)	1		
11. Positions of pipes are set out and marked based on working drawings (Award 2 marks or zero)	2		
12. Conducted functionality tests based on best practices. (Award 2 marks or zero)	2		
13. Proper waste disposal (Award 2 marks or zero)	2		



<b>SUB-TOTAL</b>	25		
<b>PRODUCT CHECKLIST</b>			
14. Measurements: 2600, 2000, 450 and 250 <i>(Award 1 marks for each correct measurement or zero)</i>	4		
15. Fitness of joints <i>(Award 1/2 mark for each or zero)</i>	4		
16. General appearance <i>(Award 1,2,3 or 4 marks or zero depending on the degree of appearance)</i>	4		
17. Completeness <i>(Award 1,2 or 3 marks or zero depending on degree completeness)</i>	3		
<b>SUB-TOTAL</b>	<b>15</b>		
<b>TOTAL</b>	<b>40</b>		
<b>ASSESSMENT OUTCOME</b>			
<b>The candidate was found to be:</b> <div style="display: flex; justify-content: space-around; align-items: center;"> <span>Competent <input type="checkbox"/></span> <span>Not yet competent <input type="checkbox"/></span> </div> <i>(Please tick as appropriate)</i> <b><i>(The candidate is competent if the candidate obtains at least 50%)</i></b>			
<b>Feedback from candidate:</b>   			
<b>Feedback to candidate:</b>   			
<b>Candidate's Signature</b>  -----		<b>Date</b>  -----	



<b>Assessor's Signature</b> .....	<b>Date</b> .....
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