

**073204T4PLM**  
**PLUMBER LEVEL 3**  
**CON/OS/PL/CR/02/3/A**  
**Install Pipes in Buildings**  
**July/Aug 2023**



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

**INSTRUCTIONS TO THE ASSESSOR**

1. You are required to mark the practical as the candidate perform the tasks.
2. You are required to take video clips at critical points.
3. Ensure the candidate has a name tag and registration code at the back and front.
4. Instruct the candidate not to dismantle the project after completion and marking.
5. Ensure a helper is available only when needed.

*This Assessors Guide consists of FOUR (4) printed pages*

## OBSERVATION CHECKLIST

<b>Candidate's name &amp; Registration No.</b>			
<b>Assessor's name &amp; Id code</b>			
<b>Unit(s) of Competency</b>			
<b>Venue of Assessment</b>			
<b>Date of assessment</b>			
<b>Items to be evaluated:</b>	<b>Marks allocated</b>	<b>Marks obtained</b>	<b>Comments</b>
1. Used personal protective equipment in line with occupational safety and health requirements <ul style="list-style-type: none"> <li>• Overall</li> <li>• Helmet</li> <li>• Safety boots</li> </ul> <i>(Award one mark or zero for each or zero)</i>	<b>3</b>		
2. Interpreted the working drawing correctly  <i>(Award 2 marks or zero)</i>	<b>2</b>		
3. Identified symbols based on internationally accepted codes <ul style="list-style-type: none"> <li>• Tee</li> <li>• Union</li> <li>• Valve</li> <li>• elbow</li> </ul> <i>(Award one mark for each or zero)</i>	<b>4</b>		
4. Used piping tools and equipment correctly based on the requirements of the job <ul style="list-style-type: none"> <li>• Pipe wrench.</li> <li>• Pipe threading equipment</li> <li>• Hacksaw.</li> <li>• Bench Vise</li> <li>• Files.</li> <li>• Steel rule.</li> </ul> <i>(Award 1 mark for each or Zero)</i>	<b>6</b>		

5. Cared and maintained piping tools and equipment based on manufacturers manual and workplace place policy  <i>(Award 2 marks or zero)</i>	2		
6. Observed procedures while; <ul style="list-style-type: none"> <li>• Measuring</li> <li>• Cutting</li> <li>• Bending and</li> <li>• Threading procedures.</li> </ul> <i>(Award 2 marks for each or zero)</i>	8		
7. Assembled and fitted all the pipes as per requirements of the job <ul style="list-style-type: none"> <li>• Elbows</li> <li>• Tee</li> <li>• Union</li> <li>• Valve</li> </ul> <i>(Award 1 mark or zero for each)</i>	4		
8. Proper waste disposal <i>(Award 2 marks or zero)</i>	2		

### PRODUCT CHECKLIST

	Marks allocated	Marks obtained	Comments
9. Pipes cut correctly as per the measurements <ul style="list-style-type: none"> <li>• 1350</li> <li>• 900</li> <li>• 900</li> <li>• 600</li> <li>• 600</li> <li>• 300</li> <li>• 300</li> </ul> <i>(Award 1 mark for each or zero)</i>	7		
10. Pipes bent correctly as per the drawings <i>(Award 2 marks or zero)</i>	2		
11. Pipes well jointed and fitted to the fittings <ul style="list-style-type: none"> <li>• Appearance</li> <li>• Minimum faults</li> </ul> <i>(Award 2 marks for each or zero)</i>	4		
12. Proper alignment of pipes <ul style="list-style-type: none"> <li>• Proper verticality</li> <li>• Levelness of horizontal pipes</li> </ul> <i>(Award 2 marks for each or zero)</i>	4		

13. Functionality test / Trouble shooting <ul style="list-style-type: none"> <li>• Water test</li> <li>• Air test</li> </ul> <i>(Award 2marks or zero for one test)</i>	2		
<b>TOTAL</b>	<b>50</b>		
<b>The candidate was found to be:</b> <input type="checkbox"/> <b>Competent</b> <input type="checkbox"/> <b>Not yet competent</b> <i>(Please tick as appropriate)</i>  <i>(The candidate is competent if s/he gets 50%)</i>			
<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>		