

073203T4PLM

PLUMBING LEVEL 3

COS/OS/PL/CR/01/3

Install Pipes in Buildings

July/August 2025



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

PRACTICAL ASSESSMENT

INSTRUCTIONS TO ASSESSOR

1. Assess the candidate as the practical progresses observing the critical areas.
2. You are required to mark the practical as the candidate performs the tasks.
3. You are required to take video clips at critical points.
4. Ensure the candidate has a name tag and registration code at the back and front.

OBSERVATION CHECKLIST				
Candidate's name and Registration Code				
Assessor's Name and Registration Code				
Venue of Assessment				
Date of assessment				
NO	Items to be evaluated: Please award marks as appropriate. Give a brief comment on your observation.	MARKS ASSIGNED	TRAINEE SCORE	COMMENTS
TASK 1: Measure, cut and thread pipes				
1	Used Personal protective equipment (PPE) and safety health regulations. <ul style="list-style-type: none"> • Dust coat • Goggles • Gloves • Helmet • Safety boots <i>(award 1 mark each for each PPE worn or zero)</i>	5		
		5		
2	Interpreted working drawing based on drawing standards <ol style="list-style-type: none"> I. Correct measurement II. Arrangement of pipes 	2 2		
		4		

	the drawing ; (500, 290,318, 400, 275, 800, 875,1225) <i>(award 1 mark for each correct measurement or zero)</i>	8		
	Sub total	28		
TASK 2: Installing pipes and fittings				
6.	-Assembled and fitted all the pipes and fittings as per the requirements of the job	3		
7.	Fixed the pipe fittings in their proper location based on the drawing	3		
	Sub total	6		
TASK 3: Test functionality of the pipework				
8.	- Connected the flow of water - checked and repaired leakages if any	2 2		
	Sub total	4		
9.	Overall completion of the project <ul style="list-style-type: none"> Overall completion of the project Above 75% Above 50% Less than 50%	3 2 1		
	Sub total	3		
PRODUCT CHECKLIST				
10.	Did parameters check in accordance to industry standards? <ul style="list-style-type: none"> Firmly fixed fittings. Plumpness 	2 1		
		3		

11.			
i.	Levelness of the pipes	2	
ii.	Correct measurements	1	
iii.	Correct pipe fittings (elbows, tees)	1	
iv.	Exposure of 2-3 threads after fitting	2	
		9	
	Sub-Total	7	
	GRAND TOTAL	50	
ASSESSMENT OUTCOME			
The candidate was found to be:			
Competent <input type="checkbox"/>		Not yet competent <input type="checkbox"/>	
<i>(Please tick as appropriate)</i>			
<i>(The candidate is competent if the candidate obtains at least 50%)</i>			
Candidate's Signature		Date	
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Assessor's Signature		Date	
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