

073105T4PLM

PLUMBING LEVEL 5

CON/OS/PL/CR/07/5/A

Install Fire Control Systems

March/April 2025



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

PRACTIC

ENT

OBSERV

KLIST

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 perform 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 & Registration No.			
Assessor's name & Id code			
Unit(s) of Competency			
Venue of Assessment			
Date of assessment			
Items to be evaluated:	Marks allocated	Marks obtained	Comments
1. Used personal protective equipment in line with occupational safety and health requirements • Gloves • Overall • Industrial boots (Award 1 mark for each PPEs won or zero=3)	3		
2. Cut pipe properly, without any visible damage or cracks. (Award 2 marks or zero)	2		
3. Connected fitting securely to pipes without leaks • Tee • Gate valve • Elbow • Non-return valve (Award 1 mark for each or zero)	4		
4. Installed fire pump buster properly and powered. (award 3 marks or zero)	3		
5. Positioned water tank.	2		

(Award 2 marks or zero)			
6. Connected pipe properly to water supply and fire sprinkler (Award 4 marks or zero)	4		
7. Installed sprinkler system correctly (Award 4 marks or zero)	4		
8. Installed fire sprinklers. (Award 1 mark for each 2-fire sprinkler or zero=2)	2		
9. Used piping tools and equipment correctly • Pipe wrench • Pipe threading equipment. • Pipe cutter. (Award 1 marks for at least 3 main tools/equi	3		
10. Proper waste disposal (Award 2 marks or zero)	2		
PROD LIST			
	Marks allocated	Marks obtained	Comments
11. Functioning fire sprinkler when turn on (Award 2 marks for2 each or zero=4 marks)	4		
12. A functioning water entry and exit in water tank when turn on (Award 4 marks or zero=2marks)	4		
13. Correct measurement: • 500 mm • 400 mm (±2 allowance) (Award 2 marks each or zero=10marks)	4		
14. Squareness of the components	2		

(Award 2 marks or zero=2marks)			
15. Plumpness (Award 2 marks or zero=2marks)	2		
16. Squareness (Award 2 marks or zero=2marks)	2		
17. Firmness (Award 2 marks or zero=2marks)	2		
18. Completeness (Award 3 or zero completeness=3 marks)	3		
TOTAL	50		
The candidate was found to be: ☐ Competent ☐ Not yet competent <i>(Please tick as appropriate)</i>			
<i>(The candidate is competent if s/he gets at le</i>			
Feedback from candidate:			
Feedback to candidate:			
Candidate's signature:	Date:		
Assessor's signature:	Date:		

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