

073204T4CPJ

CARPENTRY AND JOINERY LEVEL 4

CON/OS/CAJ/CR/04/4/A

Construct and Erect Roof Structures

Nov/Dec series



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

PRACTICAL ASSESSMENT

ASSESSOR'S GUIDE

INSTRUCTIONS TO THE ASSESSOR

1. The candidate is allocated **(8) EIGHT HOURS** to perform the tasks with a **(1) ONE HOUR BREAK**
2. You are required to mark the practical once the candidate is done.
3. You are required to take video clips at critical points.
4. Ensure the candidate has an identification tag pinned at the back and front near the shoulders showing candidate's name and registration code.

This guide consists of FOUR (4) printed page

OBSERVATION CHECKLIST

Candidate's name & Registration No.			
Assessor's name & Reg. code			
Unit(s) of Competency			
Venue of Assessment			
Date of assessment			
Items to be evaluated: <i>Please award marks as appropriate. Give a brief comment on your observation</i>	Marks available	Marks obtained	Comments
ASSEMBLY AND CONSTRUCTION OF A GABLED ROOF TRUSS			
1. Wore Personal Protective Equipment ➤ SafetyBoots ➤ Helmet ➤ Overall. <i>(Award one mark or Zero for each PPE donned as per workplace procedures)</i>	3		
2. Assembled the tools and equipment <i>(Award 2 marks or Zero)</i>	2		
3. Prepared the parts of the Roof ➤ Measured and marked the timber pieces ➤ Cut the timber joints (birds mouth joint) as per the drawing ➤ Dry fitted the joints together <i>(Award 3 marks for each step or Zero)</i>	9		
4. Assembled all the trusses together ➤ Final assembled the Rafters for the three trusses ➤ Fixed the ceiling joists ➤ Fixed king posts	14		

➤ Final assembled the trusses ➤ Fitted the purlins by nailing ➤ Erected the trusses to the wall plate ➤ Fixed the trusses to the post			
(Award 2 marks for each step or Zero)			
5. Performed workplace housekeeping	2		
(Award 2 marks or Zero)			
TOTAL	30		
PRODUCT CHECKLIST			
6. Interpretation	2		
(Award 2 marks or Zero)			
7. Dimensions (mm)	12		
➤ 400mm Clear span ➤ 308 mm Rafter ➤ 100mm King post ➤ 50mm Roof projection ➤ 30mm Support post height ➤ 300mm truss spacing c/c			
(Award 2 marks for each correct dimension or 0)			
8. Squareness	2		
➤ 2 corners			
(Award 1 marks for each correct corners)			
9. Tight Birds Mouth Joints	6		
(Award 2 marks for each truss or Zero)			
10. Correct Nailing (No bends)	6		
➤ Any 6 correct nailing			
(Award 1 mark for each or Zero)			
11. Rigidity	2		
(Award 2 marks or Zero)			

12. Completion ➤ 100% ➤ 70% ➤ 50% (Award marks as indicated)	3 2 1		
13. Appearance (Award 2 marks or Zero)	2		
TOTAL	65		
ASSESMENT OUT COMES 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 50% or higher)</i>			
Feedback from candidate:			
Feedback to candidate:			
Candidate's signature:	Date:		
Assessor's signature:	Date:		