



Australian Government

FWPCOT3309 Assemble timber roof trusses

Release: 1

FWPCOT3309 Assemble timber roof trusses

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to plan, set up and assemble timber roof trusses using a truss jig or computer-operated truss table. It includes the operation and control of a truss press.

The unit applies to truss fabricators, truss press operators, timber manufactured products technicians, jig setters, machine operators or saw operators who take responsibility for organising and completing tasks assigned to them without close supervision.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Common Technical (COT)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for assembly	1.1 Determine job requirements from work order or fabrication plan and, where required, confirm with appropriate person 1.2 Confirm safety requirements for timber roof truss assembly according to workplace safety procedures 1.3 Identity type and determine quantity of material required for assembly of roof trusses according to fabrication plan 1.4 Determine type of nail plates and components required according

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	to specifications or fabrication plan 1.5 Select, fit and use personal protective equipment (PPE) 1.6 Select appropriate tools and equipment and check for serviceability and report and faults for damage 1.7 Determine job priorities and sequence job tasks according to fabrication plan
2. Set up for timber roof truss assembly	2.1 Prepare, set up and adjust assembly table or jigs to specified roof truss pattern configuration 2.2 Select and position pre-cut material to include webs, overhang and other design requirements 2.3 Discard defective or unsuitable components according to workplace procedures 2.4 Clamp components in jigs, and check for fit and allowable tolerances 2.5 Select and position steel nail plates accurately over joints according to fabrication plan
3. Control pressing operations	3.1 Conduct a pre-operation check on truss press equipment according to manufacturer instructions and workplace procedures 3.2 Carry out inspection of initial truss to ensure all nail plates fixed according to fabrication plan 3.3 Coordinate and operate truss-pressing operations and confirm finished product complies with fabrication plan or work order
4. Prepare products for despatch and report	4.1 Label roof truss according to workplace procedures 4.2 Remove components from assembly table or jigs and safely stack in designated location 4.3 Strap and pack finished products ready for transportation 4.4 Minimise wastage of strapping and packaging materials and maximise use of recycled materials 4.5 Record and report production outcomes and problems according to workplace reporting procedures
5. Clean up	5.1 Clean work area and recycle, reuse or dispose of waste according to workplace environmental procedures 5.2 Clean and maintain tools, equipment and machinery, and report

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	any faults or damage according to workplace procedures 5.3 Return and safely store tools and equipment in designated areas

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Writing	Label trusses using clear and legible writing

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3309 Assemble timber roof trusses	FWPCOT3242 Lay up timber roof trusses	Redesigned unit using content from FWPCOT3242 Lay up timber roof trusses and FWPCOT3243 Operate a truss press Re-titled Reworded and added Elements and Performance Criteria Assessment Requirements reworded	Not Equivalent
FWPCOT3309 Assemble timber roof trusses	FWPCOT3243 Operate a truss press	Redesigned unit using content from FWPCOT3242 Lay up timber roof trusses and FWPCOT3243 Operate a	Not Equivalent

		truss press Re-titled Reworded and added Elements and Performance Criteria Assessment Requirements reworded	
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Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>