



Australian Government

FWPCOT3308 Assemble timber wall frames

Release: 1

FWPCOT3308 Assemble timber wall frames

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 assemble construction-ready timber wall frame sections. It includes packing and strapping frames in readiness for transport to a construction site.

The unit applies to frame fabricators, timber manufactured products technicians, jig setters, machine and 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 frame assembly according to workplace safety procedures 1.3 Identify type and determine quantity of material required for assembly of frame according to fabrication plan 1.4 Determine type of connectors and bracing for frames according to

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	fabrication plan 1.5 Select, fit and use appropriate personal protective equipment (PPE) 1.6 Select appropriate tools and equipment, check for serviceability, and report any faults or damage 1.7 Determine job priorities and sequence job tasks according to fabrication plan
2. Set up for timber frame assembly	2.1 Conduct pre-start check on equipment and machinery according to manufacturer instructions and workplace procedures 2.2 Prepare and set up assembly table or jigs required for assembling frames 2.3 Select pre-cut timber components and accurately position pre-cut members to align with marking or jigs 2.4 Reject and dispose of defective material according to workplace safety and environmental procedures 2.5 Use tools to firmly fix timber components within acceptable tolerances 2.6 Check frame for parallel and square, and fix specified bracing according to fabrication plan 2.7 Locate connector plates and strapping from job specification, and fix securely
3. Prepare products for despatch	3.1 Check finished product for quality and label according to work order and workplace procedures 3.2 Remove frame from jigs and safely stack in designated location 3.3 Strap, pack, label, protect from damage and pre-sling finished products ready for transportation 3.4 Minimise wastage of strapping and packaging materials and maximise use of recycled materials according to workplace environmental procedures 3.5 Record and report production outcomes and problems according to workplace reporting procedures
4. Clean up	4.1 Clean work area and recycle, reuse or dispose of waste according to workplace environmental procedures 4.2 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 4.3 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
Oral communication	Report problems, faults or damage clearly and concisely using appropriate terminology

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3308 Assemble timber wall frames	FWPCOT3241 Assemble timber wall frames	Application clarified Elements renamed Performance Criteria re-sequenced Foundation Skills and Assessment Requirements updated	Equivalent

Links

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

Assessment Requirements for FWPCOT3308 Assemble timber wall frames

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has assembled a minimum of 50 lineal metres of timber wall frames that include:

- load-bearing and non-load-bearing frames
- internal, external corners and T-intersections
- strapping, packing, labelling and pre-slinging completed products ready for despatch.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- workplace quality requirements relevant to assembling timber wall frames
- workplace environmental policy and procedures for disposing of, recycling and reusing waste materials
- workplace safety requirements relevant to assembling timber wall frames:
 - safe operation of machinery, tools and equipment
 - exposure to excessive noise
 - hazardous manual tasks
 - hazard identification and controls
 - use of personal protective equipment (PPE)
 - exposure to dust
- processes, procedures and techniques for:
 - flow of material supply in and out of the wall frame assembly area
 - assembly sequences using a jig or assembly table
 - stacking and storing materials
 - labelling products for identification and transportation
 - stacking, binding and protecting finished products ready for despatch

- workplace communication and reporting lines
- recording and reporting assembly outcomes and equipment faults
- functional and operational features of tools, equipment and machinery:
 - measuring and marking equipment
 - electric circular saws
 - docking saws
 - drills
 - assembly jigs
 - assembly table
 - staple and nail guns
 - compressor or compressed air supply
 - strapping equipment
- characteristics, properties and limitations of timber products and components:
 - hardwood, softwood and manufactured timber products
 - metal connector plates and straps
- timber defects:
 - warp
 - wane
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets
- industry terminology related to timber wall assembly:
 - studs
 - top and bottom plates
 - lintels
 - trimmers
 - nogging
 - bracing
- typical assembly faults triggering correction to ensure product quality:
 - incorrectly positioned joints
 - timber splits from nailing
 - incorrectly positioned hardware.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:

- skills must be demonstrated in a timber frame fabrication facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - timber products and components to assemble timber frames
 - equipment, tools and machinery to assemble wall frames and finalise frames for despatch
- specifications:
 - access to work order or fabrication plan detailing frame assembly to be undertaken
 - access to workplace safety and environmental policies and procedures applicable to assembling timber wall frame
- relationships:
 - supervisor or team member.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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