



Australian Government

FWPTMM4207 Prepare and advise on a broad range of timber wall frame details using computers

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPITMM4207A Prepare and advise on a broad range of timber wall frame details using computers, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to prepare and advise on a broad range of timber wall frame drawings, production documents and installation instructions using custom software. Work is completed in a timber production or design setting.

The unit applies to Customer Service / Sales Assistant (Retail or Wholesale), Customer Service Officer, Sales and Merchandising Team Leader, Sales and Merchandising Team Leader (Timber Products), Timber Advisor.

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

Pre-requisite Unit

Nil

Unit Sector

Timber Manufactured Products

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Interpret plans or designs and create layouts	1.1 Identify and verify applied loads and other design inputs. 1.2 Check computer software for currency and use to prepare wall frame layouts and production documentation. 1.3 Resolve design requirements outside software limitations.

2. Review and test design options	2.1 Review and test wall frame layouts for optimal suitability for stakeholders. 2.2 Use effective processes to optimise wall frame layout and ensure stakeholder objectives are met.
3. Provide advice on design, production and installation issues	3.1 Prepare and document production and installation advice. 3.2 Communicate documented advice to all stakeholders, prior to and following installation.
4. Manage wall frame outputs	4.1 Certify wall frame design layouts in line with legislative and organisational requirements and communicate to relevant stakeholders. 4.2 Store and maintain drawings and documentation in line with organisational procedures.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	- interpret numerical data from designs and plan specifications involving height, length, angles, and load - input accurate numerical data into software systems.
Reading skills to:	interpret detailed and unfamiliar designs, plans and technical specifications.
Writing skills to:	- input accurate written text into software systems - produce accurate and detailed documents to support interpretation of drawings and assist with production and installation.
Planning and organising skills to:	plan and organise own work in logical sequence and manage own timing and productivity to complete drawings and documents within deadlines.
Problem-solving skills to:	recognise software design limitations and resolve.
Teamwork skills to:	work as part of an internal and external design and construction team to produce compliant drawings and production documents.
Technology skills to:	use a computer, keyboard and custom software to complete wall frame drawings, production and installation documents.

Range of Conditions

Not Applicable

Unit Mapping Information

FPITMM4207A Prepare and advise on a broad range of timber wall frame details using computers

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPTMM4207 Prepare and advise on a broad range of timber wall frame details using computers

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Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- follow organisational policies and procedures relevant to preparing and advising on a broad range of timber wall frame details using computers
- prepare wall frame layouts and production documentation for the following wall frame types:
 - standard
 - raking
 - fire rated

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- content and application of applicable regulations for certifying timber wall frame design layouts
- limits of personal ability and authority for non-conforming design
- common industry standard sizes, profiles and spacing dimensions
- key features of these common types of timber framed walls:
 - standard
 - raking

- fire rated
- interaction between wall frame types
- for the drawing software:
 - drawing types that can be produced
 - design limitations
 - system functions and capabilities
 - methods to input and amend design factors and other data
 - methods to store and retrieve drawings
- organisational procedures specific to producing drawings and documents and advising on wall frame layouts:
 - communication reporting lines for internal and external stakeholders
 - certifying wall frames layouts
 - filing computerised drawings and documentation

Assessment Conditions

The following resources must be made available:

- computers, keyboards and industry current software programs used to produce drawings and documentation for timber wall frames layouts
- applicable regulations for certifying timber wall frame layouts
- industry and organisational codes and standards for timber wall frames
- designs, plans and technical specifications for timber wall frames
- templates for developing production and installation advice
- template certification documents
- relevant personnel for the purposes of communicating information
- organisational procedures for producing drawings and documents and advising on wall frame layouts.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

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