



Australian Government

FWPTMM4211 Interpret details of timber wall frames to inform design of plans and production documents

Release: 1

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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 interpret and apply a broad range of information into the design of timber wall frames. It includes applying detailed information for the preparation of timber wall frame drawings, production documents and installation instructions using custom software for timber systems design.

This unit applies to timber systems designer and fabricators who use their own judgment to deal with predictable and unpredictable problems and decide on solutions to a range of complex problems during the documentation preparation process.

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

Pre-requisite Unit

Nil

Unit Sector

Timber Manufacturing Products (TMM)

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 design of layout plans	1.1 Read and interpret building plans and specifications to determine and verify applied loads and other design factors 1.2 Interpret and apply relevant building codes, regulations and standards for timber wall frame design 1.3 Confirm workplace quality requirements for the design of timber

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	wall frames 1.4 Consult with stakeholders/clients to clarify design requirements 1.5 Identify and resolve design, production and/or installation issues outside software limitations, and seek appropriate advice 1.6 Check custom computer software for currency
2. Design and review design options	2.1 Design and draft a timber wall layout plan 2.2 Review design to confirm it meets client requirements and complies with appropriate building regulations, codes and standards 2.3 Review layout to confirm it optimises efficiency of material use and production procedures 2.4 Amend design options if necessary
3. Design production and installation documentation	3.1 Confirm dimensions, opening measurements and timber wall frames heights from building plans and specifications 3.2 Input applied spans, loads and data into software and create a wall frame layout 3.3 Prepare and produce production and client installation documentation according to workplace quality requirements 3.4 Certify wall frame design complies with relevant building regulations, codes and practices, according to regulatory and workplace requirements 3.5 Store drawings and documentation according to workplace procedures

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
Reading	Select and extract information from a range of documents and diagrammatic texts
Writing	Apply interrelationships between written and diagrammatic forms to produce installation documentation

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPTMM4211 Interpret details of timber wall frames to inform design of plans and production documents	FWPTMM4207 Prepare and advise on a broad range of timber wall frame details using computers	Redesigned unit that includes content from FWPTMM4207 Prepare and advise on a broad range of timber wall frame details using computers and FWPTMM3206 Interpret designs to prepare timber wall frame drawings and documents using computers	Not Equivalent
FWPTMM4211 Interpret details of timber wall frames to inform design of plans and production documents	FWPTMM3206 Interpret designs to prepare timber wall frame drawings and documents using computers	Redesigned unit that includes content from FWPTMM4207 Prepare and advise on a broad range of timber wall frame details using computers and FWPTMM3206 Interpret designs to prepare timber wall frame drawings and documents using computers	Not Equivalent

Links

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