



Australian Government

**Assessment Requirements for
FWPTMM4211 Interpret details of timber
wall frames to inform design of plans and
production documents**

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Modification History

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

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 designed layout plans and developed production and installation documentation using timber systems design software for two projects:

- one standard height timber wall project and one raking timber frame project with a pitch of greater than 5 degrees with one being fire rated.

Each project must include:

- a minimum of ten walls
- internal, external and butting intersections
- a minimum of four openings, two with a minimum span of 2.4 m.

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:

- building industry regulations, codes and standards for timber wall frames:
 - National Construction Code (NCC)
- workplace policies, procedures and processes relating to design of wall frames plans and production documents:
- risks of non-conforming design:
 - responsibilities and limits of authority with regard to certifying and non-conforming design
- construction terminology relating to wall frame design
- factors affecting timber frame design:
 - climate zones

- wind forces
- timber grading
- tie down requirements
- key features of plans, drawings and specifications:
 - types and applications of plans and drawings
 - relating specified information to plans and drawing details
- appropriate software, including custom software for timber systems design to:
 - research information
 - communicate with internal and external stakeholders
 - input and amend design factors and other data
 - produce drawings, plans and documents
 - store and retrieve documents
- types, functions, capabilities and limitations of drawing software
- application, characteristics and limitations of materials and components used for wall frames
- certifying timber wall frame design layouts.

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 design or manufacturing workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - computers and software, including timber systems design software
- specifications:
 - access to workplace policies and procedures relevant to designing timber wall frame plans and production documents
 - access to building regulations, codes and standards relating to timber wall frame design and production
- relationships:
 - clients/stakeholders to discuss timber frame design.

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

Links

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