



Australian Government

FWPTMM3213 Read and interpret timber truss or wall frame fabrication plans

Release: 1

FWPTMM3213 Read and interpret timber truss or wall frame fabrication plans

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 read and interpret timber floor truss or timber wall frame or timber roof truss fabrication plans. It includes identifying assembly components and fabrication details.

The unit applies to timber manufactured products technicians, timber frame and truss fabricators and machine 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

Timber Manufactured 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. Read fabrication plans	1.1 Identify drawing views and specifications in timber truss or wall frame fabrication plans 1.2 Identify timber and hardware component details 1.3 Identify fabricating requirements and any restrictions or limitations

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Clarify design and job requirements from fabrication plans
2. Interpret and confirm fabrication plan information	2.1 Confirm component cutting list and layout and joint details from fabrication plan 2.2 Identify sequencing for assembly and fabrication work 2.3 Establish layouts, spacing and sizing of individual structural members 2.4 Determine quantities of and position of bracing and ancillaries for trusses or frames 2.5 Seek additional information and data as required, and confirm details with appropriate person

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	- Use clear and concise language and industry and workplace specific terminology when discussing fabrication plan requirements - Ask questions and actively listen to confirm details of fabrication plan information

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPTMM3213 Read and interpret timber truss or wall frame fabrication plans	FWPTMM2203 Read and interpret timber truss, floor and/or frame fabrication plans	Re-titled Indicative unit level revised Application clarified Performance Criteria	Not Equivalent

Code and title current version	Code and title previous version	Comments	Equivalence status
		re-sequenced Foundation Skills and Assessment Requirements updated	

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 FWPTMM3213 Read and interpret timber truss or wall frame fabrication plans

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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 interpreted fabrication information for one of the following and developed a project specification:

- a timber floor truss project, including:
 - span, spacing and position of joists
 - joist type and component sectional sizes
 - bearer and joist type
 - load-bearing requirements
 - cutting requirements
 - specified tie down and bracing requirements
 - metal nail/connector plates
 - special specified requirements
- a timber wall frame project, including:
 - type of construction and number of storeys
 - frame components and spacing, opening sizes and bracing details
 - wind bracing details
 - component types and component cutting list
 - load-bearing requirements
 - requirements for ribbon plates
 - specified tie down, bracing and connection details
- a timber roof truss project, including:
 - type of roof construction
 - floor plan dimensions and wall locations and truss spans
 - truss type and component sectional sizes
 - specified tie down and bracing requirements
 - metal nail/connector plates

- special specified requirements.

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:

- key features of truss or frame fabrication plans:
 - fabrication plans conventions
 - abbreviations, hatching and symbols
 - scale, dimension lines and line types
- terminology used in timber fabrication plans
- truss and frame timber components, metal connections and tie down materials
- units of measurement and allowable component tolerances
- types and features of timber floor and roof trusses and timber wall frames.

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 fabrication facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - fabrication plans and cutting lists
- relationships:
 - person to confirm details of fabrication plan.

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

Links

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