Modification history

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

FWPTMM3XXX	Read and interpret timber truss or wall frame fabrication plans
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 assembly components, fabrication and installation details. Work is completed in a forest and wood products factory setting. The unit applies to timber manufactured products technicians, timber fabricators, machine operators. The unit is suitable for those with basic skills and knowledge undertaking routine work tasks under the direction of more experienced workers. No licensing, legislative or certification requirements apply to this unit at the time of publication.
Prerequisite Unit	Nil
Unit Sector	Timber Truss and Frame Design and Manufacture (TMM)

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Read fabrication plans	1.1 Interpret and follow relevant organisational policies and procedures and quality requirements 1.2 Identify and interpret workplace fabrication procedures and processes 1.3 Identify and interpret industry codes and standards and relevant workplace safety procedures 1.4 Obtain and read fabrication plans and work order to establish project details 1.5 Interpret drawing views and specifications to determine design requirements 1.6 Identify fabricating requirements and any restrictions or limitations 1.7 Read component cutting list and layout and joint details to prepare for fabrication
2. Interpret and confirm fabrication plan information	2.1 Identify and interpret work requirements and sequencing for assembly and fabrication work 2.2 Establish layouts, spacing and sizing of individual structural members 2.3 Determine quantities of and position of bracing and ancillaries for trusses or frames 2.4 Identify timber and hardware component details 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**
Reading	• Identify and interpret project fabrication information from drawings and specifications
Oral communication	• Discuss and confirm technical job details with appropriate personnel

Unit Mapping Information			
Code and title current version	**Code and title previous version**	**Comments**	**Equivalence status**
FWPT3XXX Read and interpret timber truss or wall frame fabrication plans	FWPTMM2203 Read and interpret timber truss, floor and/or frame fabrication plans	Re-titled Application clarified Performance Criteria re-sequenced Foundation Skills and Assessment Requirements updated	No equivalent unit

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

TITLE	**Assessment requirements for FWPTMM2203 Read and interpret timber truss or wall frame fabrication plans**

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has identified and interpreted fabrication information for one of the following:

- 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
- 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
- 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:

- organisational policies and procedures and quality requirements
- organisational quality processes and procedures
- industry codes and standards
- key features of fabrication plans:
  - fabrication plans conventions
  - abbreviations, hatching and symbols
  - scale, dimension lines and line types
- timber fabrication terminology
- characteristics of timber and timber defects
- key features of timber floor and roof trusses and timber frames
- truss and frame timber components, metal connections and tie down materials
- units of measurement and allowable component tolerances
- types 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 the workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:

Assessment Conditions
• fabrication plans and cutting list • specifications: • organisational policies and procedures and quality requirements • relevant industry codes and standards 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