



Australian Government

FWPCOT3242 Lay up timber roof trusses

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3242B Lay up timber roof trusses, 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 plan and set up the assembly of timber roof trusses using a truss jig or computer-operated truss table and to oversee the operation of the truss press. Work is completed in a timber and wood products production setting.

The unit applies to Press operator, Timber manufactured products technician, Jig setter, Machine operator, saw operator.

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

Pre-requisite Unit

Nil

Unit Sector

Common Technical

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. Prepare for assembly	<p>1.1 Review work order and construction plans and where required check with appropriate personnel.</p> <p>1.2 Identify and obtain type and quantity of assembly material and hardware.</p> <p>1.3 Select appropriate personal protective and other equipment and check for operational effectiveness.</p>

	1.4 Identify and prepare setup jigs required for construction.
2. Lay up truss	<p>2.1 Use equipment in line with organisational safety procedures, manufacturer's instructions and environmental protection practices.</p> <p>2.2 Assess product size and number of joints with jig area, and plan section layout.</p> <p>2.3 Select timber components from pre-cut material in line with cutting list and check for fit.</p> <p>2.4 Position jig components to accurately locate and support assembly components and adjust jig or table to suit.</p> <p>2.5 Position and clamp components in jigs ready for joining with allowable faults, joints and grain in line with construction standards and grading rules.</p> <p>2.6 Set components to include camber adjustments, overhang and other design requirements.</p> <p>2.7 Identify defective components; dispose of or recycle in line with environmental protection practices.</p> <p>2.8 Nail components to maintain temporary alignment during assembly.</p> <p>2.9 Position and install hardware on joints in line with construction plan.</p>
3. Control pressing operations	<p>3.1 Coordinate truss-pressing operations to ensure finished product complies with customer orders.</p> <p>3.2 Correct assembly faults in line with organisational procedures.</p>
4. Prepare products for despatch and report	<p>4.1 Check finished product for quality and label in line with work order.</p> <p>4.2 Remove components from jigs and safely stack in designated location.</p> <p>4.3 Strap, pack and label finished products ready for transportation.</p> <p>4.4 Avoid wastage of strapping and packaging materials and maximise use of recycled materials.</p> <p>4.5 Record and report production outcomes and equipment faults to appropriate personnel.</p>

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:	<ul style="list-style-type: none"> interpret production data from construction plans and work orders to: count quantities of materials and hardware components and select appropriate sizes complete routine calculations for component layouts measure lengths, camber, overhang and angles to construction plan specifications.
Oral communication skills to:	<ul style="list-style-type: none"> ask open and closed probe questions and actively listen to clarify contents of construction plans and work orders.
Reading skills to:	<ul style="list-style-type: none"> interpret detailed familiar and unfamiliar: <ul style="list-style-type: none"> workplace health and safety and other organisational procedures construction plans and work orders manufacturers' instructions.
Writing skills to:	<ul style="list-style-type: none"> produce basic clear labels for product identification and transportation complete accurate basic records for production outcomes and equipment faults.
Planning and organising skills to:	<ul style="list-style-type: none"> efficiently and logically sequence the stages of preparation and production using work order and construction plan to guide activities.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT3242B Lay up timber roof trusses

Links

Companion Volume implementation guides are found in VETNet -

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