

<b>Title</b>	<b>Assemble roof trusses in a controlled environment</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>12</b>

<b>Purpose</b>	People credited with this unit standard are, in a controlled environment, able to: prepare for roof truss assembly, and set out and assemble truss components to produce roof trusses.
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<b>Classification</b>	Construction Trades > Carpentry
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Definitions  
*Controlled environment* is a manufacturing environment within which trade skills are applied.  
*Shop drawings* refers to the set of drawings associated with a building project to be made in a controlled environment, and can include plans, elevations, sections, details or any other drawings that give information about the project.  
*Workplace practice* refers to the documented procedures specific to a workplace which set out the standard and required practices of that workplace.
- 2 Credit for this unit standard indicates compliance with industry practice. *Industry practice* refers to the ability to demonstrate knowledge and skills that reflect the productivity, uniformity, finish quality, and material economies currently accepted within industry.
- 3 Legislation and publications relevant to this unit standard include:  
 Health and Safety in Employment Act 1992 and Health and Safety in Employment Regulations 1995;  
 Building Act 2004;  
 New Zealand Building Code.

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### Outcomes and performance criteria

#### Outcome 1

Prepare for roof truss assembly in a controlled environment.

**Performance criteria**

- 1.1 Supplied components and hardware are checked against shop drawings and any identified faulty components or hardware items are replaced.

Range components – type, grade, treatment, length, quantity, gauge, dimensions, condition;  
hardware – type, size, quantity;  
appearance, timeframe, any other items required by the shop drawings.

- 1.2 Equipment is selected and set up in accordance with workplace practice and manufacturers' instructions.

**Outcome 2**

Set out and assemble truss components to produce roof trusses in a controlled environment.

**Performance criteria**

- 2.1 Roof truss members are set out in accordance with shop drawings and workplace practice.

Range top chords, bottom chords, webs, nail plates.

- 2.2 Component assembly sequence and production rate are in accordance with workplace practice.

- 2.3 Fittings, fixings, and hardware are attached in accordance with shop drawings and workplace practice.

- 2.4 Tolerances are within the requirements of shop drawings and workplace practice.

- 2.5 Equipment is started, operated, shut down and maintained in accordance with workplace practice.

- 2.6 Assembled trusses meet appearance and other company quality requirements for truss type in accordance with workplace practice.

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**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	22 September 2004	31 December 2023
Review	2	9 December 2010	31 December 2023
Review	3	25 November 2021	31 December 2023

<b>Consent and Moderation Requirements (CMR) reference</b>	0048
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.