

Title	Demonstrate knowledge of roof truss construction		
Level	3	Credits	4

Purpose	People credited with this standard can: <ul style="list-style-type: none"> • demonstrate knowledge of residential roofs; • describe how truss roofs are constructed; and • demonstrate knowledge of health and safety for constructing truss roofs.
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Classification	Construction Trades > Carpentry
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Available grade	Achieved
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Guidance Information

1 Range

Evidence generated for assessment against this standard must reflect workplace and industry requirements specified in:

- documented worksite specifications, procedures, and practices;
- manufacturer recommendations, specifications, and technical data sheets;
- applicable specifications from other sources such as an architect, designer, engineer, or supervisor;
- applicable material safety data sheets;
- NZS 3604:2011 *Timber Framed Buildings*;
- the New Zealand Building Code.

Evidence generated for assessment against this standard must reflect the requirements of:

- Building Act 2004
- Health and Safety at Work Act 2015
- Resource Management Act 1991
- Building Regulations 1992
- Building (Forms) Regulations 2004
- Health and Safety in Employment Regulations 1995.

2 Reference

NZS 3604:2011 *Timber Framed Buildings*. Available from Standards NZ (<http://www.standards.co.nz>).

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of residential roofs.

Performance criteria

1.1 Describe the types and component parts of a residential roof.

Range roof types include – gable, hip, single pitch, flat;
component parts include – hip valley, ridge.

1.2 Describe the types and component parts of a truss roof.

Range top cord, bottom cord, web, purlins, bracing, fascia, barge, soffits,
fixings, hardware.

Outcome 2

Describe how trussed roofs are constructed.

Performance criteria

2.1 Describe how to receive, handle and store roof trusses and components for the construction of a truss roof.

Range trusses, purlins, bracing, fascia, barge, soffits, fixings, hardware.

2.2 Describe how to set out, erect, and fix roof trusses.

2.3 Describe how to install bracing systems.

Range roof space brace, roof plane brace.

Outcome 3

Demonstrate knowledge of health and safety for constructing truss roofs.

Range labour, identification of hazards and controls, plant;
plant includes – any machinery, vehicle, vessel, aircraft, equipment (including personal protective equipment), appliance, container, implement, or tool; any component of any of those things; anything fitted or connected to any of those things;
personal protective equipment includes – anything used or worn by a person (including clothing) to minimise risks to the person's health and safety; air supplied respiratory equipment.

Performance criteria

3.1 Identify and describe health and safety requirements for constructing truss roofs.

Replacement information	This unit standard replaced unit standard 24383.
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Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	30 September 2021	N/A

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

Comments on this unit standard

Please contact the Building and Construction Industry Training Organisation at national.office@bcito.org.nz if you wish to suggest changes to the content of this unit standard.