

Title	Demonstrate knowledge of alternative roof structures		
Level	3	Credits	2

Purpose	<p>People credited with this standard can demonstrate knowledge of:</p> <ul style="list-style-type: none"> • alternative roof structures; and • health and safety for constructing alternative roof structures.
----------------	---

Classification	Construction Trades > Carpentry
-----------------------	---------------------------------

Available grade	Achieved
------------------------	----------

Guidance Information

1 Range

Alternative roof structures include – flat, mono-pitch, skillion, dormer, splayed-end.

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;
- *National Association of Steel Framed Housing (NASH) 3405 Design and Construction Guide (Non-specific)*;
- 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 References

NASH (2006), *National Association of Steel Framed Housing (NASH) 3405 Design and Construction Guide (Non-specific)*, NASH. Available from NASH NZ, PO Box 76 134, Manukau City.

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

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of alternative roof structures.

Performance criteria

- 1.1 Describe the purpose and characteristics of alternative roof structures.
- 1.2 Describe the location and purpose of roof and ceiling framing members for alternative roof structures.
- 1.3 Describe the location and purpose of roof and ceiling bracing and support systems for alternative roof structures.
- 1.4 Describe how to set out and cut roof framing members to length, and describe how to determine bevels for alternative roof structures.
- 1.5 Calculate roof member lengths and bevels for splayed-end roofs.
- 1.6 Describe how to erect and fix roof framing members for alternative roof structures.

Outcome 2

Demonstrate knowledge of health and safety for constructing alternative roof structures.

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

- 2.1 Identify and describe health and safety requirements for constructing alternative roof structures.

Replacement information	This unit standard replaced unit standard 24384.
--------------------------------	--

Planned review date	31 December 2026
----------------------------	------------------

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
--	------

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.