

Title	Set out and erect steel frame roofs on site		
Level	4	Credits	12

Purpose	People credited with this unit standard are able to: determine materials required to erect steel frame roofs; set out and erect steel roof framing; trim roof and ceiling framing members for openings; and complete work operations, on site.
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Classification	Construction Trades > Carpentry
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Available grade	Achieved
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Guidance Information

1 Definitions

Industry practice refers to the ability to work unsupervised, demonstrating knowledge and skills that reflect the productivity, uniformity, finish quality and material economies currently accepted within industry.

Plant is used as in the Health and Safety at Work Act 2015 to mean appliances, equipment, fittings, furniture, implements, machines, machinery, tools, vehicles, plus parts, controls, and anything connected.

Site documents refer to any official documentation for the site, and may include consents, working drawings, plans and specifications, reports, producer statements, any relevant industry standards, or any other documentation critical to the construction process.

Work site practice refers to the documented procedures specific to a work site which set out the standard and required practices of that work site.

2 For all *on site* unit standards the practical assessment evidence must be provided in the context of commercial business construction operations, in the workplace, under normal workplace conditions.

3 Credit for this unit standard indicates compliance with industry practice.

4 Legislation and publications relevant to this unit standard include:
 Health and Safety at Work Act 2015 and Health and Safety in Employment Regulations 1995;
 Building Act 2004;
 Resource Management Act 1991;
 New Zealand Building Code;
 available from <https://www.legislation.govt.nz/>
 National Association of Steel-Framed Housing (NASH) Standard Part 2:2019 Light Steel Framed Buildings available from <https://nashnz.org.nz/>.

Outcomes and performance criteria

Outcome 1

Determine materials required to erect steel frame roofs on site.

Performance criteria

- 1.1 Materials required for roof framing members are identified from site documents, and an assembly list is prepared in accordance with work site practice.
- 1.2 Materials required for roof braces are identified from site documents, and a cutting list is prepared in accordance with work site practice.
- 1.3 All design, construction, cross sectional dimensions and spacings are checked and confirmed as in accordance with work site practice.

Outcome 2

Set out and erect steel roof framing on site.

Performance criteria

- 2.1 Roof member positions are located in accordance with site documents.
- 2.2 Roof framing members are marked out in accordance with site documents.
- 2.3 Roof framing members are erected and fixed in accordance with site documents.

Range six of – common trusses and jack trusses, roof panels, hip and valley framing, ridge, valley boards, ceiling joists, purlins.
- 2.4 Support and bracing systems are set out, cut, and fixed in accordance with site documents.

Range six of – under purlins, struts, strutting beams, collar ties and cleats, roof space braces, roof plane braces, purlins and ceiling battens, dragon ties.
- 2.5 Framing and trim for fascia boards, barge boards, soffits (eaves) and verges are constructed in accordance with site documents.

Outcome 3

Trim roof and ceiling framing members for openings on site.

Performance criteria

- 3.1 Ceiling space access and roof penetration openings are trimmed and framed in accordance with site documents.

Outcome 4

Complete work operations on site.

Performance criteria

- 4.1 All operations are safely completed; workplace, tools, plant and equipment are cleaned; and tools, plant and equipment are stored in accordance with work site practice.

Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	22 September 2004	31 December 2025
Review	2	25 January 2008	31 December 2025
Review	3	30 March 2023	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 Waihanga Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihangaararau.nz if you wish to suggest changes to the content of this unit standard.