

Title	Fabricate and assemble steel wall and roof framing on site		
Level	4	Credits	12

Purpose	People credited with this unit standard are able to: determine materials required for fabrication of steel wall and roof framing on site; fabricate and assemble steel wall and roof framing on site; 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

Plant is used as in the Health and Safety in Employment Act 1992 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. *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.

4 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;

Resource Management Act 1991;

New Zealand Building Code;

National Association of Steel-Framed Housing (NASH) 3405:2007 *An Alternative Solution*, published by NASH, Manukau City, Auckland, 2007.

Outcomes and performance criteria

Outcome 1

Determine materials required for fabrication of steel wall and roof framing on site.

Performance criteria

- 1.1 Material requirements are determined from site documents.
- 1.2 Supply of delivered materials is checked and confirmed as in accordance with site documents.
- Range quality, quantity.
- 1.3 All design, construction, cross sectional dimensions and spacings are checked and confirmed as in accordance with site documents.

Outcome 2

Fabricate and assemble steel wall and roof framing on site.

Performance criteria

- 2.1 Fabrication plant is set up in accordance with industry practice.
- 2.2 Steel frame production data is loaded into fabrication plant computer.
- Range one of – via disk, via download.
- 2.3 Steel framing members are produced in accordance with site documents.
- Range plates, studs, lintels, braces, dwangs (noggings), rafters, valleys, purlins.
- 2.4 Wall and roof frames are assembled on site from fabricated steel components in accordance with site documents.

Outcome 3

Complete work operations on site.

Performance criteria

- 3.1 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.

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 2025
Review	2	25 January 2008	31 December 2025
Review	3	30 March 2023	31 December 2025

Consent and Moderation Requirements (CMR) reference

0048

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.