

Title	Demonstrate knowledge of setting out, assembling and erecting timber and steel wall frames		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to: describe the requirements for the construction of timber and steel wall framing; explain methods used to calculate lengths and quantities of timber and steel wall framing members; and describe factors relating to setting out, assembling and erecting wall framing.
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Classification	Construction Trades > Carpentry Theory
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Available grade	Achieved
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Guidance Information

1 Definitions

Industry standards means standards that are documented and recognised by industry, and are relevant to the building material used. Standards that may be applicable are listed in guidance note 3.

Specific design is a design that ensures compliance with the Building Act 2004 when the construction requirements of a building deviates from, or is beyond the scope of recognised industry standards (New Zealand Standards, Australia/New Zealand Standards, British Standards and other published standards that govern the construction industry).

2 Credit for this unit standard indicates compliance with industry practice. *Industry practice* refers to the ability to demonstrate knowledge that reflects the 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;
 Resource Management Act 1991;
 New Zealand Building Code;
 NZS 3604:1999 *Timber Framed Buildings*, available from Standards NZ (<http://www.standards.co.nz>);
National Association of Steel Framed Housing (NASH) 3405 Design and Construction Guide (Non-specific), available from NASH NZ, PO Box 76 134, Manukau City.

Outcomes and performance criteria

Outcome 1

Describe the requirements for the construction of timber and steel wall framing.

Performance criteria

1.1 Wall framing members are identified in terms of their location and purpose.

Range plates, including raking plates; studs and jacks studs; trimmers, lintels, beams, dwangs (noggings), ribbon boards, posts, bracing.

1.2 Methods of achieving bracing requirements are described in accordance with industry standards and manufacturer's recommendations.

Range sheet diaphragm, metal angle, proprietary systems.

Outcome 2

Explain methods used to calculate lengths and quantities of timber and steel wall framing members.

Performance criteria

2.1 Methods of calculating lengths and quantities of material required for wall framing are described, and accurate sample calculations performed in accordance with industry practice.

Outcome 3

Describe factors relating to setting out, assembling and erecting timber and steel wall framing.

Range single and two storey.

Performance criteria

3.1 Methods of setting out wall framing members are described in accordance with the requirements of industry standards or specific design.

Range plates, including raking plates; studs and jack studs; trimmers, lintels, beams, dwangs (noggings), ribbon boards, posts, bracing.

3.2 The methods of assembling and erecting wall framing members are determined and described in accordance with industry standards or specific design.

Range use of connectors, provision for bracing elements, temporary bracing.

3.3 Procedures for maintaining health and safety requirements when constructing and erecting wall framing are described.

Range work methods, plant, equipment, identification of hazards and controls.

Replacement information	<p>This unit standard replaced unit standard 13012 and unit standard 20887.</p> <p>This unit standard and unit standard 13034 were replaced by unit standard 32461.</p>
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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	25 January 2008	31 December 2023
Review	2	30 September 2021	31 December 2023
Rollover	3	28 September 2023	31 December 2024

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>.