

Title	Construct and erect wall frames		
Level	4	Credits	26

Purpose	<p>This unit standard aligns with the <i>New Zealand Certificate in Carpentry – Specifications</i>, developed on behalf of the construction industry to specify the skills and knowledge required to achieve the New Zealand Certificate in Carpentry (Level 4) [Ref: 2738].</p> <p>This unit standard is intended for those working in the construction industry.</p> <p>People credited with this unit standard are able to construct and erect wall frames to the level required of a commercially competent carpenter.</p>
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Classification	Construction Trades > Carpentry
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Available grade	Achieved
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Guidance Information

This unit standard is one of a family of standards that align with the *New Zealand Certificate in Carpentry – Specifications* and should be read, interpreted and assessed in the context of those *Specifications* and the New Zealand Certificate in Carpentry (Level 4) [Ref: 2738].

The overarching level of performance for the family of unit standards is commercial competence.

Commercial competence requires a candidate to be capable of consistently performing the requirements of the skill specification:

- to current regulatory, industry and commercial standards;
- within a commercially viable timeframe;
- in commercial environments;
- without supervision;
- in different and unfamiliar contexts.

The sufficiency of evidence required to demonstrate commercial competence against this unit standard is determined within the context of the family of unit standards aligned to the *Specifications*.

The assessor must be confident that the candidate is capable of applying the skills and knowledge included in this skill specification to the level, scope and complexity required to support the achievement of related skills included in the *Specifications*.

Commercial competence can only be demonstrated, and must be assessed, in the workplace.

The assessment of commercial competence must be corroborated and confirmed by a person who has current expertise in the carpentry trade and has had the opportunity to regularly observe the candidate in the workplace.

Reference

New Zealand Certificate in Carpentry – Specifications, BCITO, April 2018, available from www.waihangaararau.nz.

Skill specification and performance level guidance

Skill specification

Construct and erect wall frames.

Know The different types of wall structures and configurations.

The components that make up wall frames.

How wall frames are constructed and assembled.

How wall frames are stood up, plumbed, straightened and temporarily braced.

How wall frames are permanently fixed together, braced and connected to floor framing or flooring and roof framing.

The purpose, place, design and configuration of non-load-bearing framing.

The purpose and place of supplementary framing work resulting from additions and alterations.

The purpose and place of supplementary framing to accept substrates or linings.

How to undertake repair and maintenance framing work.

The different types, purposes, materials and construction methods used to create in-situ concrete walls.

How to construct formwork and prepare for the placement of concrete.

How to erect and prop precast concrete walls and other prebuilt panels, and tie into the rest of the structure.

Do Set out and construct wall frames including openings.

Stand up, plumb, straighten and temporarily brace wall frames.

Permanently fix together and brace wall frames and connect them to floor framing or flooring and roof framing.

Performance level guidance

Wall frames can be constructed out of either timber or formed light gauge steel channel.

Regardless of the material used, a carpenter must be able to set out and construct wall frames from individual components, and erect and fix together prefabricated wall frames. Interior partitioning (non-load-bearing constructed from timber or steel stud) does not on its own meet the requirements for this wall framing skill set.

The use of prefabricated beams could be integrated into the forming of large openings. Reinforcing and concrete is covered in unit standard 30870, *Construct concrete foundations and slabs*.

Prebuilt wall panels include custom panels, structurally insulated panels (SIPs) constructed from timber or metal, and panels constructed from cross-laminated or compressed timber.

Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	1 March 2018	N/A
Rollover and Revision	2	15 December 2022	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 Waihangā Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihanga.nz if you wish to suggest changes to the content of this unit standard.