

Title	Perform wall frame detailing for building projects		
Level	4	Credits	30

Purpose	People credited with this unit standard are able to: assess and interpret plans and loading conditions; and detail wall frames and components, for building projects.
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Classification	Construction Trades > Carpentry
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Available grade	Achieved
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Guidance Information

1 Definitions

Company procedures are the documented procedures for the machine and/or worksite.

Imposed actions are actions that are temporary, of short duration, or moving. These may involve considerations such as impact, momentum, vibration, and may be created by such events as wind and seismic activity.

Industry practice refers to the ability to demonstrate knowledge that reflects the uniformity, finish quality and material economies currently accepted within industry.

Specifications refers to documented instructions (oral, written, graphic) and may include any of the following: manufacturer's specifications, recommendations or technical data sheets; material specifications; specifications from a specialist source such as an architect, designer, engineer or a supervisor; site or work specific requirements.

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

3 Evidence for this unit standard must be presented from more than one project. Total evidence submitted must include: a cantilevered lintel, a building of two storeys, a design incorporating non-timber structural elements, a coved ceiling, a floor step, claddings that require external framing set out, an alteration or addition, a design with wall heights referenced to a sloping ceiling plane.

4 Legislation and publications relevant to this unit standard include:

Building Act 2004;

New Zealand Building Code;

available from <https://www.legislation.govt.nz/>

NZS 3604:2011 *Timber-framed buildings*;

AS/NZS 1170.2:2021 *Structural Design Actions Set*;

NZS 3602:2003 *Timber and wood-based products for use in building* available from Standards New Zealand www.standards.co.nz;

and all subsequent amendments and replacements.

Outcomes and performance criteria

Outcome 1

Assess and interpret plans and loading conditions for building projects.

Range floor loadings, wind loading requirements, site location, seismic requirements, timber grades and treatments, identified bracing requirements, cladding requirements.

Performance criteria

- 1.1 Method for detailing of job output is described in accordance with company procedures.
- 1.2 Plans and specifications are assessed to ensure that all information is accurate and any remedial actions are made in accordance with company procedures.
- 1.3 Plans are assessed, and loadings created by imposed actions are identified.
- 1.4 Requirements for load-bearing components are assessed from the plan.
- 1.5 Drawing views and notes are interpreted to identify other design requirements and restrictions.

Outcome 2

Detail wall frames and components for building projects.

Performance criteria

- 2.1 Component types are identified from plans and specifications or suitable alternatives selected.
- 2.2 Component sizes and spacing are identified in accordance with plans, layouts, specifications and relevant standards, and are determined to be economically sound.
- 2.3 Component cutting, assembly and erection detail is produced in accordance with manufacturing needs and schedules that are economically sound.
- 2.4 Documentation is completed in accordance with company procedures and/or legislative requirements.

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	19 January 2012	31 December 2025
Review	2	30 March 2023	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 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.