

Title	Operate within legislative compliance frameworks for timber structure detailing		
Level	5	Credits	10

Purpose	<p>This unit standard is intended for those working in timber structure detailing.</p> <p>People credited with this standard are able to operate within legislative compliance frameworks for timber structure detailing to the level of performance required of a professionally competent detailer.</p>
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Classification	Construction Trades > Carpentry
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Available grade	Achieved
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Guidance Information

1 Scope

The context of this unit standard is detailing in a manufacturing environment for the production of pre-nailed timber structures used for the construction of small buildings.

2 Assessment

This unit standard is intended to align with the *New Zealand Diploma in Timber Structure Detailing – Specifications* and the *New Zealand Diploma in Timber Structure Detailing (Level 5)* [Ref: 4377].

Evidence for this standard must reflect professional competence.

Professional competence refers to the ability to work independently in order to meet the ethical and professional expectations of industry and clients on dynamic and varied projects operating in a commercial environment.

Professional competence must be confirmed by a person with current expertise in the timber structure detailing trade.

3 Definitions

Acceptable Solution is a specific construction method that complies with the Building Code and applies Verification Methods; they often refer to Standards.

Alternative Solution is a part of the building that complies with the Building Code, but partially or completely differs from the Acceptable Solution or Verification Methods.

Consentable building project requires assessment by a Building Consent Authority (BCA) to ensure the proposed and completed work is carried out in accordance with the Building Act 2004 and the Building Code.

Legislative framework refers to the hierarchy of Acts of Parliament, Regulations, Rules, Codes, Standards, approved codes of practice and best/good practice guidelines.

Producer statements, and *Fabricator design statements* are documentation that illustrate the design capacities and compliance with the New Zealand Building Code of pre-nailed timber structures using proprietary fixings and connectors.

Small building is of residential scale with lightweight timber-framing and/or concrete or concrete masonry construction, and generally of non-specific design.

Verification Methods are tests or calculation methods that prescribe one way to comply with the Building Code.

- 4 Legislation, standards and guidance information relevant to this standard includes the following; and any subsequent amendments and replacements.

New Zealand Diploma in Timber Structure Detailing – Specifications, BCITO, August 2021, available from www.waihanga.nz.

Legislation accessed at www.legislation.govt.nz

- Building Act 2004
- Construction Contracts Act 2002
- Health and Safety at Work Act 2015
- Resource Management Act 1991
- The New Zealand Building Code.

Standards accessed at www.standards.govt.nz

- NZS 3602:2003 *Timber and wood-based products for use in buildings*
- NZS 3604:2011 *Timber Framed Buildings*.

Best practice and good practice guidelines

- *The Absolutely Essential Health and Safety Toolkit for Small Construction Sites*, and other Worksafe NZ publications available from www.worksafe.govt.nz.

Skill specification and performance level guidance

Skill specification

Operate within legislative compliance frameworks for timber structure detailing.

Knowledge

The requirements of the health and safety legislative framework and the responsibilities of a timber structure detailer.

Range planning for manufacture, transportation, and onsite assembly of pre-nailed timber structures;
Health and Safety at Work Act 2015.

The requirements of the building legislative framework and the responsibilities of parties to timber structure detailing operations.

Range parties include – Architect/Designer, detailer, builder, company;
Building Act 2004, The New Zealand Building Code, New Zealand Standards.

The requirements of the environmental legislative framework and the responsibilities of a timber structure detailer.

Range Resource Management Act 1991, local by-laws.

The requirements of the client protection legislative framework and the responsibilities of a timber structure detailer.

Range Construction Contracts Act 2002.

The purpose and requirements of the building consent process in the New Zealand construction industry.

Range Acceptable Solution, Alternative Solution, Building Consent Authority, local by-laws.

The requirements and responsibilities of a detailer when preparing design solutions for pre-nailed structures for a consentable building project.

Range must include – documentation for Acceptable Solutions and Alternative Solutions;
may include – Fabricator design statement, Producer statement.

Skills

Interpret and apply relevant legislative frameworks to timber structure detailing work.

Range health and safety, consumer protection, environmental, building;
New Zealand Standards are referred to when applying the building legislative framework and include – structural, internal moisture, external moisture, ventilation, accessibility, fire control.

Complete documentation to verify compliance with legislative requirements when undertaking detailing work for pre-nailed timber structures.

Range must include – Acceptable Solutions and Alternative Solutions;
may include – Fabricator design statement, Producer statement.

Performance level guidance

Performance must reflect the legislative frameworks for timber structure detailing work in a manufacturing environment for the preparation for the manufacture, transportation and on-site assembly of pre-nailed timber structures used for construction of small buildings.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	16 December 2021	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 at qualifications@waihanga.nz if you wish to suggest changes to the content of this unit standard.