

<b>Title</b>	<b>Demonstrate knowledge of wall framing and prefabricated beams</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	<p>People credited with this standard can demonstrate knowledge of:</p> <ul style="list-style-type: none"> <li>• wall framing;</li> <li>• prefabricated beams used in construction; and</li> <li>• health and safety for wall frames and prefabricated beams.</li> </ul>
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<b>Classification</b>	Construction Trades > Carpentry
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<b>Available grade</b>	Achieved
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## Guidance Information

### 1 Range

Evidence generated for assessment against this standard must reflect workplace and industry requirements specified in:

- documented worksite specifications, procedures, and practices;
- manufacturer recommendations, specifications, and technical data sheets;
- applicable industry standards, which may include – New Zealand Standards, Australia/New Zealand Standards, British Standards, other published standards that govern the construction industry in New Zealand;
- applicable consents, working drawings, plans and specifications, reports, producer statements, industry standards, and other critical documentation;
- applicable specifications from other sources such as an architect, designer, engineer, or supervisor;
- applicable material safety data sheets;
- NASH 3405 *Design and Construction Guide (Non-specific)*;
- NZS 3604:2011 *Timber Framed Buildings*;
- the New Zealand Building Code.

### 2 References

NASH (2006), *National Association of Steel Framed Housing (NASH) 3405 Design and Construction Guide (Non-specific)*, NASH. Available from NASH NZ, PO Box 76 134, Manukau City).

NZS 3604:2011 *Timber Framed Buildings*. Available from Standards NZ (<http://www.standards.co.nz>).

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of wall framing.

Range single storey, two storey.

### Performance criteria

1.1 Identify wall framing members and their purpose.

Range bottom plate, top plate, stud, jack stud; trimmer, lintel, beam, dwang/nogging, bracing.

1.2 Use an industry-standard method to calculate lengths and quantities for a wall frame.

1.3 Describe industry standard methods for meeting bracing requirements.

Range sheet materials, proprietary systems.

1.4 Describe how to set out wall framing members.

Range plates, studs and jack studs; trimmers, lintels, beams, dwangs/noggings, bracing;  
methods include – industry standard;  
methods may include – non-standard designs that ensure compliance with the Building Act 2004.

1.5 Describe how to assemble and erect wall framing members.

Range use of connectors, provision for bracing elements, temporary bracing;  
methods include – industry standard;  
methods may include – non-standard designs that ensure compliance with the Building Act 2004.

### Outcome 2

Demonstrate knowledge of prefabricated beams used in construction.

Range prefabricated beams include – steel, timber, composite.

### Performance criteria

2.1 Identify and explain specifications for the purpose and use of prefabricated beams.

2.2 Identify and explain specifications for on-site delivery, storage, and protection of prefabricated beams.

- 2.3 Describe how to erect and fix a prefabricated beam to meet manufacturer specifications.

Range plumb, level, line.

### Outcome 3

Demonstrate knowledge of health and safety for wall frames and prefabricated beams.

Range labour, identification of hazards and controls, plant; plant includes – any machinery, vehicle, vessel, aircraft, equipment (including personal protective equipment), appliance, container, implement, or tool; any component of any of those things; anything fitted or connected to any of those things; personal protective equipment includes – anything used or worn by a person (including clothing) to minimise risks to the person's health and safety; air supplied respiratory equipment.

### Performance criteria

- 3.1 Identify and describe health and safety requirements for assembling, erecting, and fixing wall frames in place.
- 3.2 Identify and describe health and safety requirements for erecting prefabricated beams and fixing them in place.

<b>Replacement information</b>	This unit standard replaced unit standard 13034 and unit standard 24382.
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<b>Planned review date</b>	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	30 September 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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 Building and Construction Industry Training Organisation at [national.office@bcito.org.nz](mailto:national.office@bcito.org.nz) if you wish to suggest changes to the content of this unit standard.