

<b>Title</b>	<b>Demonstrate knowledge of constructing pile foundations</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	<p>People credited with this standard can demonstrate knowledge of:</p> <ul style="list-style-type: none"> <li>• pile foundations;</li> <li>• bearers, stringers, and bracing used in pile foundations; and</li> <li>• health and safety for constructing pile foundations.</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 specifications from other sources such as an architect, designer, engineer, or supervisor;
- applicable material safety data sheets;
- NZS 3604:2011 *Timber Framed Buildings*,
- the New Zealand Building Code.

Evidence generated for assessment against this standard must reflect the requirements of:

- Building Act 2004
- Health and Safety at Work Act 2015
- Resource Management Act 1991
- Building Regulations 1992
- Building (Forms) Regulations 2004
- Health and Safety in Employment Regulations 1995.

### 2 Reference

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 pile foundations.

Range anchor, braced, cantilever, driven, ordinary.

### Performance criteria

1.1 Identify types of piles and their recommended uses.

1.2 Describe how to place piles for construction.

Range line, level, plumb, height.

1.3 Identify and describe the types of permanent fixings permitted for use in pile foundations.

### Outcome 2

Demonstrate knowledge of bearers, stringers, and bracing used in pile foundations.

### Performance criteria

2.1 Describe the purpose and requirements of bearers and stringers.

2.2 Describe how to install bearers and stringers for pile foundations.

2.3 Describe how to brace pile foundations and floors.

### Outcome 3

Demonstrate knowledge of health and safety for constructing pile foundations.

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 constructing pile foundations.

<b>Replacement information</b>	This unit standard replaced unit standard 13007.
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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	25 January 2008	31 December 2023
Review	2	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.