

Title	Erect a pre-cast chimney		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to: set up work area; erect a pre-cast chimney; and complete work operations.
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Classification	Masonry > Brick and Block Laying
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Available grade	Achieved
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Explanatory notes

- 1 This unit standard must be assessed against on the basis of evidence of demonstrated performance in the workplace and/or situations that reflect the workplace environment.
- 2 Definitions
Industry practice refers to the expected standard required at the location in which credit for this standard is sought; such standards may be set down in: industry codes of practice, enterprise procedures, which refer to documented procedures specific to the enterprise which set out the standard business practice, and activities of that enterprise.
Site safety plan refers to the documented safety plan which is required by law to ensure compliance with the Health and Safety in Employment Act, 1992.
Specifications refer to any, or all of the following:
 - manufacturer's specifications and/or recommendations;
 - site and/or workplace specific requirements.*Plant* refers to appliances, equipment, fittings, furniture, implements, machines, machinery, tools, vehicles, plus parts, controls, and anything connected to such plant.
- 3 New Zealand Standards and legislation relevant to this unit standard include the following:
 NZS 4210:2001, Masonry Construction: Materials and Workmanship;
 NZS 3604:1999, Timber Framed Buildings;
 NZS 4229:1999, Concrete masonry buildings not requiring specific engineering design;
 Health and Safety in Employment Act, 1992;
Best Practice Guideline for Scaffolding, 2003 Department of Labour available from <http://www.osh.dol.govt.nz/order/catalogue/scaffolding.shtml>.
 Resource Management Act, 1991.

Outcomes and evidence requirements

Outcome 1

Set up work area.

Evidence requirements

- 1.1 Area where pre-cast chimney is to be erected is confirmed as being in accordance with the project plans and the specifications.
- 1.2 Actions taken in the event that site is unsuitable for installation are in accordance with industry practice.
- 1.3 Plant and materials are set up in accordance with work flow.

Range may include but is not limited to – accessibility, services, protection against weather.
- 1.4 Materials used are in accordance with the specifications.
- 1.5 Work is set out to gauge and the specifications.
- 1.6 Work of other trades is protected prior to commencement of work and during work in accordance with industry practice.

Outcome 2

Erect a pre-cast chimney.

Evidence requirements

- 2.1 Foundations are excavated to comply with the specifications.
- 2.2 Concrete for foundations is poured in accordance with the specifications.
- 2.3 Mortar is mixed in accordance with the specifications.
- 2.4 Scaffolding is erected to comply with regulatory requirements.
- 2.5 Pre-cast chimney is erected in accordance with the specifications.

Range includes but is not limited to – foundations, base, and reinforcing steel.
- 2.6 Grout is placed in accordance with the specifications.
- 2.7 Pre-cast chimney is secured to ceiling joist in accordance with the specifications.

Outcome 3

Complete work operations.

Evidence requirements

- 3.1 All operations are completed without damage to project, plant, staff or materials.
- 3.2 All activities comply with safety requirements set down in the site safety plan.
- 3.3 All plant is used, maintained, cleaned, and stored and work site left as specified in accordance with manufacturers, and/or legislative requirements.
- 3.4 All documentation is completed in accordance with industry practice.
- 3.5 Surplus materials are dealt with in accordance with industry practice and legislative requirements.

Planned review date	31 December 2012
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	16 January 1997	31 December 2011
Revision	2	12 January 1998	31 December 2011
Revision	3	8 April 1999	31 December 2011
Review	4	21 September 2007	31 December 2011
Revision	5	21 July 2011	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>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMRs). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Building and Construction Industry Training Organisation national.office@bcito.org.nz if you wish to suggest changes to the content of this unit standard.