

Title	Build a block wall and lintel with reinforcing steel		
Level	4	Credits	8

Purpose	People credited with this unit standard are able to: set up blocklaying work area; lay a block wall using reinforcing steel that incorporates a column; construct a lintel; 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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Guidance Information

- 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

Buttered refers to putting mortar on the end of the block where it butts up against the previous block.

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*;
 Health and Safety in Employment Act, 1992;
 Resource Management Act, 1991.
- 4 This unit standard covers the blocklaying component of building a block wall only.

- 5 To demonstrate competence, minimum dimensions of block wall should be 3.0m long x 1.4m high introducing a rebated window with a lintel.

Outcomes and performance criteria

Outcome 1

Set up blocklaying work area.

Performance criteria

- 1.1 Area where wall is to be erected is confirmed as being in accordance with the project plans and specifications.
- 1.2 Actions taken in the event that site is unsuitable for erection of wall are in accordance with industry practice and delegated authority.
- 1.3 Plant and materials are located 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 in accordance with gauge and the specifications.
- Range includes but is not limited to – bond type, cuts, broken bonds.
- 1.6 Work of other trades is protected prior to commencement of work and during work in accordance with industry practice.

Outcome 2

Lay a block wall using reinforcing steel that incorporates a column.

Performance criteria

- 2.1 Mortar is mixed in accordance with specifications.
- 2.2 Block ends are face shell buttered to ensure ends fully covered.
- 2.3 First course is laid level, plumb and to line in accordance with the specifications.
- 2.4 Reinforcing bars are placed and fixed in accordance with the specifications and/or drawings.
- 2.5 Corner is built to plumb, level and gauge in accordance with the specifications.
- 2.6 Blocks are laid in accordance with the specifications.
- 2.7 Pointing profile and pointing are completed in accordance with NZS 4210.

- 2.8 Wash outs are completed in accordance with NZS 4210.
- 2.9 Job is left in clean and tidy condition in accordance with industry practice.

Outcome 3

Construct a lintel.

Performance criteria

- 3.1 Formwork is incorporated in accordance with industry practice.
- 3.2 Mortar is mixed in accordance with specifications.
- 3.3 Block ends are face shell buttered to ensure ends fully covered.
- 3.4 First course is laid level, plumb and to line in accordance with the specifications.
- 3.5 Reinforcing bars are placed and fixed in accordance with the specifications and/or engineers design.
- 3.6 Corner is built to plumb, level and gauge in accordance with the specifications.
- 3.7 Blocks are laid in accordance with the specifications.
- 3.8 Pointing profile and pointing are completed in accordance with NZS 4210.
- 3.9 Job is left in clean and tidy condition in accordance with industry practice.

Outcome 4

Complete work operations.

Performance criteria

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

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 September 2007	31 December 2011
Revision	2	21 July 2011	31 December 2024
Review	3	30 June 2022	31 December 2024

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>.