

Field Planning and Construction

Review of *Masonry* unit standards

Subfield	Domain	ID
Masonry	Brick and Block Laying	6079-6081, 6083, 6085, 6087-6090, 12889-12891, 12893-12895, 21796-21798, 24153-24159
	Refractory Installation	6092-6099

Waihanga Ara Rau Construction and Infrastructure Workforce Development Council has completed the review of the unit standards listed above.

Date new versions published

June 2022

Planned review date

December 2027

Summary

As a result of TRoQ (Targeted Review of Qualifications), the New Zealand Certificate in Trowel Trades (Level 4) with strands in Brick and Block Laying, Floor and Wall Tiling, Proprietary Plaster Cladding Systems, Ferro-cement Tank Manufacture, Refractory Installation, and Solid Plastering (with optional strands in Fixing Cavities and Substrates, and Decorative Mouldings) [Ref: 3137-1] replaced:

- National Certificate in Brick and Block Laying (Level 4) [Ref: 1356],
- National Certificate in Floor and Wall Tiling (Level 4) [Ref: 0726],
- National Certificate in Proprietary Plaster Cladding Systems (Level 4) with strands in Rebated Fibre Cement, Lightweight Fibre Cement, and External Insulation Finishing Systems (EIFS) [Ref: 0786],
- National Certificate in Refractory Installation (Level 3) [Ref: 1355], and the
- National Certificate in Solid Plastering (Level 4) with an optional strand in Specialist Mouldings and Decorative Work [Ref: 0725].

New unit standards reflecting the New Zealand Certificate qualification *Specifications* were registered in September 2018 in the Brick and Block Laying, Refractory Installation, Precast Concrete, Floor and Wall Tiling, Proprietary Plaster Cladding Systems, and Solid Plastering domains to support programmes leading to the New Zealand Certificate. A review of existing standards in the domains listed above did not occur at the time of registering the new unit standards.

The Brick and Block Laying, and Refractory Installation domain unit standards included in this review have been used by two providers in now expired programmes leading to National Certificate qualifications. Consultation with industry, Te Pukengā Work Based Learning (WBL), BCITO WBL, WelTec, and other providers with consent to assess these domains confirm that the unit standards in this review will be expired, except for unit standard 6088, which is still currently required.

Main changes

- 24 unit standards in the Brick and Block Laying domain have been designated expiring.
- 8 unit standards in the Refractory Installation domain have been designated expiring.
- Current legislation and NZ Standards have been updated in unit standard 6088, and minor wording changes to Outcome 2, and merging of Performance Criteria 3.1 and 3.2.

Category D unit standards will expire at the end of December 2024

The last date for assessment of superseded versions of Category B unit standards is 31 December 2024

Detailed list of unit standards – classification, title, level, and credits

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
B	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
C	Major changes that necessitate the registration of a replacement standard with a new ID
D	Standard will expire and not be replaced

Planning and Construction > Masonry > Brick and Block Laying

ID	Title	Level	Credit	Review Category
6079	Build a straight brick wall with a return corner	2	12	D
6080	Build a curved brick wall	4	6	D
6081	Build a structural brick wall	4	8	D
6083	Construct multi-centred and gauged brick arches	4	12	D
6085	Build a fire back	4	8	D
6087	Erect a pre-cast chimney	3	4	D
6088	Build a straight block wall with a return corner	2	12	B
6089	Build a curved block wall	4	4	D
6090	Fill masonry using grout	4	3	D
12889	Lay brick sills	3	6	D
12890	Lay bricks on edge	2	8	D
12891	Lay soldier courses	3	4	D
12893	Build decorative brick bonded panel with return	3	6	D
12894	Build convex and concave curves on brick walls	4	8	D
12895	Lay clay or concrete brick, clay or concrete paving units and natural stone	3	8	D
21796	Mix masonry mortars	2	10	D
21797	Construct a masonry cavity veneer wall with lintel	3	10	D
21798	Build a block wall and lintel with reinforcing steel	4	8	D
24153	Demonstrate knowledge of masonry materials	1	2	D
24154	Demonstrate knowledge of environmental requirements for the masonry industry	2	2	D
24155	Mitre masonry corners	3	6	D
24156	Mitre masonry sills	3	6	D
24157	Demonstrate knowledge of New Zealand Standards that apply to the masonry industry	2	4	D
24158	Demonstrate knowledge of two storey veneer construction	3	8	D
24159	Demonstrate knowledge of masonry work practices	3	8	D

Planning and Construction > Masonry > Refractory Installation

ID	Title	Level	Credit	Review Category
6092	Demonstrate knowledge of refractories	3	6	D
6093	Build a straight brick refractory wall including anchored walls and corners	3	10	D
6094	Build a curved brick refractory installation	3	8	D
6095	Install plastic monolithic refractories and ramming mixes	3	8	D
6096	Install refractory gunning mixes	3	8	D

ID	Title	Level	Credit	Review Category
6097	Install castable refractories	3	8	D
6098	Install acid resistant refractory linings	3	8	D
6099	Install man-made refractory mineral fibres	3	8	D