

Title	Install trough profile roof		
Level	4	Credits	15

Purpose	<p>This unit standard is intended for use in the training and assessment of people carrying out metal roof and wall cladding installation and covers the installation of trough profile roofing.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> – confirm materials and availability of equipment; – complete preparations for the installation of pan deck roof; – install trough profile roof; and – complete and finish trough profile roof installation.
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Classification	Plumbing, Gasfitting and Drainlaying > Roofing
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Available grade	Achieved
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Guidance Information

- 1 This unit standard has been developed for learning and assessment on-job and off-job.
- 2 References

Construction Contracts Act 2002;
 Historic Places Act 1993;
 Local Government Act 2002;
 Building Act 2004 and associated regulations;
 Health and Safety at Work Act 2015;
 Resource Management Act 1991;
 Acceptable Solutions and Verification Methods for New Zealand Building Code
 Clause E2 External Moisture;
 New Zealand Metal Roof and Wall Cladding Code of Practice;
 Licensed Building Practitioner Scheme – Understanding the Regulatory Environment
 Booklet – available at: <http://www.business.govt.nz/lbp/the-board/getting-licensed/applying-for-licensing>;
 NZS 3604:2011 Timber-framed buildings;
 NZS 3902:2004 Housing, alterations and small buildings contract;
 NZS 4121:2001, Design for access and mobility: Buildings and associated facilities;
 New Zealand Building Code Hand Book – available at:
<http://www.building.govt.nz/building-code-compliance/building-code-and-handbooks/building-code-handbook>;
 and all subsequent amendments and replacements.
- 3 This unit standard applies to both new roof and re-roofing installations.

- 4 Range
- a Candidates must refer to current legislation and Standards during assessment.
 - b Demonstration of safe working practices are essential components of assessment of this unit standard.
 - c All activities and evidence presented for all outcomes and performance criteria in this unit standard must be in accordance with:
 - i legislation;
 - ii policies and procedures;
 - iii ethical codes;
 - iv Standards – may include but are not limited to those cited in the New Zealand Building Code Hand Book;
 - v applicable site, enterprise, and industry practice; and,
 - vi manufacturers' instructions, specifications, and data sheets.

Outcomes and performance criteria

Outcome 1

Confirm materials and availability of equipment.

Performance criteria

- 1.1 Assess the job and prepare a plan of work.
- 1.2 Confirm that the materials for the job are consistent with the job and manufacturers' specifications.
- Range includes but is not limited to – pan deck roofing, cladding, flashings, sealants, fasteners.
- 1.3 Confirm that the required equipment is available.
- Range may include but is not limited to – scaffolding, ladders, tools, stapler, sealant gun, saws, pop riveter.

Outcome 2

Complete preparations for the installation of pan deck roof.

Performance criteria

- 2.1 Confirm that the structure is prepared for work to begin.
- 2.2 Prepare the site ready for work to commence.
- 2.3 Confirm purlins are fixed in accordance with manufacturers' specifications.
- 2.4 Mark and pre-drill trough profile clips where required.
- 2.5 Confirm underlay support is in accordance with manufacturers' specifications.

- 2.6 Allow for expansion and contraction and where required, stop end and drip form sheets are installed.

Outcome 3

Install trough profile roof.

Performance criteria

- 3.1 Install trough profile roof in accordance with manufacturers' instructions.

Range cut, fix, fix over flashings, vapour barriers.

Outcome 4

Complete and finish trough profile roof installation.

Performance criteria

- 4.1 Install flashings.

- 4.2 Correct any defects.

- 4.3 Remove surplus material including swarf and leave roof and site in a tidy and safe condition that allows any further work to be carried out safely.

Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 May 1997	31 December 2020
Review	2	27 October 2006	31 December 2020
Review	3	16 March 2017	N/A
Rollover	4	25 August 2022	N/A

Consent and Moderation Requirements (CMR) reference	0003
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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 Waihangara Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihangaraarau.nz if you wish to suggest changes to the content of this unit standard.