

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.

Replacement information	This unit standard and unit standard 10815 were replaced by skill standard 40210.
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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 May 1997	31 December 2020
Review	2	27 October 2006	31 December 2020
Review	3	16 March 2017	31 December 2027
Rollover	4	25 August 2022	31 December 2027
Review	5	28 November 2024	31 December 2027

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>.