

<b>Title</b>	<b>Prepare and fit reveals for non-standard aluminium joinery products</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>8</b>

<b>Purpose</b>	<p>This unit standard is for experienced people employed in the aluminium joinery industry.</p> <p>A person credited with this unit standard is able to:</p> <ul style="list-style-type: none"> <li>• prepare to cut and fit reveals for non-standard aluminium joinery products;</li> <li>• prepare, measure, and cut reveals;</li> <li>• assemble and fix the reveals to a non-standard aluminium frame; and</li> <li>• care for tools, equipment, and machinery.</li> </ul>
----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Classification</b>	Joinery > Architectural Aluminium Joinery
-----------------------	-------------------------------------------

<b>Available grade</b>	Achieved
------------------------	----------

### Guidance Information

- 1 Legislation and standards relevant to this unit standard include – Building Act 2004, Health and Safety at Work Act 2015, Resource Management Act 1991, New Zealand Building Code Compliance Documents and Handbooks. Wellington: Department of Building and Housing, 2008, available at <http://www.dbh.govt.nz/building-code-compliance-documents>, New Zealand Standard (NZS) 4211:2008 *Specification for performance of windows*; and NZS 3504:1979 *Specification for aluminium windows*, available at <http://www.standards.co.nz>.
- 2 Definitions
 

*Company procedures* – the documents and procedures that include: company rules, codes, and practices; machine and equipment operating instructions; quality and conformance checks; and health and safety requirements.

*Non-standard aluminium joinery products* – unique designs or ‘one-off’ products characterised by unusual or non-standard angles and dimensions. They include – windows (arch, bay, bow, curved, faceted, raked, internal/external in plan corners, double hung, greenhouse), doors (arch, raked, internal/external in plan corners).

*Unusual angles* – any angles that are not 45 or 90 degrees, or not common to the company’s products.
- 3 Range
 

Evidence is required for three non-standard items, one of which must include one or more non standard corners, produced in the candidate’s workplace.

---

## Outcomes and performance criteria

### Outcome 1

Prepare to cut and fit reveals for non-standard aluminium joinery products.

#### Performance criteria

1.1 Product, job specifications and quality requirements are verified in accordance with company procedures.

Range specifications include – drawings (computerised, by hand), job sheets, templates, site measurements.

1.2 Work area is cleared of debris and abrasive materials in accordance with company procedures.

1.3 Machinery and equipment are selected, checked, and set up to meet the requirements of the job, in accordance with company procedures.

Range set-up may include – position of angles and safety locks of cutting machinery.

1.4 Personal protective equipment is selected and worn in accordance with company procedures.

Range personal protective equipment may include – safety glasses, dust masks, protective footwear, ear protection.

### Outcome 2

Prepare, measure, and cut reveals.

#### Performance criteria

2.1 Reveals are selected in accordance with the job specifications.

Range reveals include – timber, composites, aluminium.

2.2 Reveals are measured, cut, machined, and finished in accordance with the profile, angle, and dimension specified, with special attention to the processes required for the type of product, such as specialty timbers.

Range finishes include – mitre, butt, grooved, non-grooved, faceted, special profile, paint quality finish.

2.3 Pre-finishing is completed in accordance with the job specifications.

### Outcome 3

Assemble and fix the reveals to a non-standard aluminium frame.

**Performance criteria**

- 3.1 All joints are prepared in accordance with the job specifications prior to assembly.
- 3.2 Reveals are assembled using fixing and joining method for product and joints in accordance with company procedures.
- Range methods may include – pneumatic staple gun, hammer and nails, screws, rivets, sealants, biscuit joints.
- 3.3 Measurements of completed reveal and accuracy of joints are checked prior to fixing in accordance with the job specifications.
- 3.4 Reveals are fixed to frame in accordance with the job specifications with special attention to fixing centres.
- 3.5 Reveals are checked for compliance with the job specifications and quality requirements in accordance with company procedures.

**Outcome 4**

Care for tools, equipment, and machinery.

**Performance criteria**

- 4.1 Tools, equipment, and machinery are cleaned, lubricated, and maintained in accordance with manufacturer's specifications and company procedures.
- 4.2 Work area is cleaned, surplus materials are stored, and waste materials are disposed of, in accordance with company procedures.

<b>Planned review date</b>	31 December 2026
----------------------------	------------------

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	20 June 2008	31 December 2012
Rollover and Revision	2	20 May 2011	31 December 2017
Review	3	21 May 2015	31 December 2025
Review	4	26 May 2022	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0048
------------------------------------------------------------	------

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

---

**Comments on this unit standard**

Please contact Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.