

<b>Title</b>	<b>Describe the procedures and process and complete a set-out for the manufacture of timber geometric stairs</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>20</b>

<b>Purpose</b>	People credited with this unit standard are able to: <ul style="list-style-type: none"> <li>– describe the preparation procedures;</li> <li>– describe the process; and</li> <li>– complete a half-sized set-out for the manufacture of timber geometric stairs.</li> </ul>
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<b>Classification</b>	Joinery > Joinery Operational Skills
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation and standards relevant to this unit standard include:
  - Health and Safety at Work Act 2015; available from [www.legislation.govt.nz](http://www.legislation.govt.nz);
  - NZS 3610:1979; *Specification for profiles of mouldings and joinery*, available from [www.standards.co.nz](http://www.standards.co.nz), and any subsequent amendments and replacements.

- 2 Assessment

Evidence for this unit standard must reflect commercial competence; the ability to demonstrate knowledge and skills in the context of the currently accepted requirements of a business operating in a commercial environment.

Evidence must also reflect commercial standards; the verbal and written information covering company policy, standard operating procedures and processes and job-specific instructions.

This unit standard must be assessed under the supervision of a commercially competent practitioner in workplace conditions that reflect:

- commercial standards, current health, safety, industry, and workplace requirements; and
- industry requirements for commercially acceptable timeframes.

- 3 Definitions

*Geometric stairs* refer to continuous stairs that turn or wind about a central wellhole that has rounded corners or is circular or elliptical and that have the strings and rails arranged upon geometric principles and running continuously from top to bottom.

*Workplace requirements* refer to the documented procedures specific to a workplace which set out the standard and the required practices of that workplace. This may include job specifications, procedures, practices, manufacturer recommendations, technical data sheets and material safety data sheets.

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## Outcomes and performance criteria

### Outcome 1

Describe the preparation procedures for the manufacture of timber geometric stairs.

#### Performance criteria

- 1.1 Working drawings are described in terms of the information they provide, and the type of stair required for the job.
- 1.2 The importance of the site visit is described in terms of the measurements and preparation of the work area.
- 1.3 The procedures for set out are described in accordance with the job specifications.
- 1.4 Procedures for preparation of the cutting list are described.

### Outcome 2

Describe the process for the manufacture of timber geometric timber stairs.

#### Performance criteria

- 2.1 The set out procedures are described in terms of the set out on full-sized formers according to the working drawings.
- 2.2 The manufacturing procedures are described in terms of the manufacturing process and how it meets the job specifications.  
  
Range      stair timber machined to match the set-out, working the joints, laminations glued for curved components, assembling, trimming, installation.
- 2.3 The procedures for handrails and balustrades is described in terms of assembling, trimming, fitting and fixing.
- 2.4 The finishing and protecting procedures are described in terms of the job specification.
- 2.5 Post-operational procedures are described in accordance with workplace requirements.

### Outcome 3

Complete a half-sized set-out for the manufacture of timber geometric stairs.

## Performance criteria

- 3.1 Working drawings for half-sized set-out for geometric stairs are completed in accordance with the job specifications.

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<b>Replacement information</b>	This unit standard replaced unit standard 2533 and unit standard 25605.
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<b>Planned review date</b>	31 December 2027
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### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	24 October 2014	31 December 2025
Review	2	30 March 2023	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0073
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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 Waihangā Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@WaihangāAraRau.nz](mailto:qualifications@WaihangāAraRau.nz) if you wish to suggest changes to the content of this unit standard.