

<b>Title</b>	<b>Manufacture stairs and describe the requirements for installing stairs</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>35</b>

<b>Purpose</b>	People credited with this unit standard are able to: <ul style="list-style-type: none"> <li>– prepare to manufacture stairs;</li> <li>– manufacture stairs; and</li> <li>– describe the requirements for installing 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 codes relevant to this unit standard include:
  - Health and Safety at Work Act 2015; available from [www.legislation.govt.nz](http://www.legislation.govt.nz);
  - *Acceptable Solutions and Verification Methods For New Zealand Building Code Clause D1 Access Routes*; available from [www.building.govt.nz](http://www.building.govt.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 Definition  
*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.

- 4 Range  
Stairs – one straight flight, a cut string and balustrade, and winder.

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## Outcomes and performance criteria

### Outcome 1

Prepare to manufacture stairs.

#### Performance criteria

- 1.1 Factors of stair manufacturing are explained in relation to D1 Access Routes.
- Range tread depth, access routes, rises, balustrade heights, landings, head clearance, evidence of four factors is required.
- 1.2 Working drawings are used to identify the type of stair required for the job.
- 1.3 Site is measured and documented to confirm the type of stair meets the building code and any changes are actioned in accordance with workplace requirements.
- 1.4 Material quantities are calculated, confirmed, and ordered in accordance with the job specifications.
- 1.5 The cutting list is prepared.

### Outcome 2

Manufacture stairs.

#### Performance criteria

- 2.1 Personal protective equipment relevant for the job is selected and prepared.
- 2.2 Material is machined to form housings or joints.
- Range closed stair (housed and wedged), cut open tread stair.
- 2.3 Stairs are manufactured to meet the job specification.
- 2.4 Handrails and balustrades are manufactured according to the working drawings and job specification.
- 2.5 The stairs are finished and protected.
- 2.6 Post-operational procedures are completed in accordance with workplace requirements.

### Outcome 3

Describe the requirements for installing stairs.

**Performance criteria**

- 3.1 Requirements for stairs are described in accordance with working drawing specifications.
- 3.2 Procedures for trimming and installing stairs are described in accordance with working drawings and workplace requirements.
- 3.3 Procedures for trimming and finishing stairs are described in accordance with workplace requirements.

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<b>Replacement information</b>	This unit standard replaced unit standard 2531, unit standard 2532, and unit standard 25160.
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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.