

## Stair L4 Construct timber stairs or ramps

|                           |   |
|---------------------------|---|
| <b>Kaupae   Level</b>     | 4   |
| <b>Whiwhinga   Credit</b> |   |
| <b>Whāinga   Purpose</b>  | <p>This skill standard recognises the skills required to construct timber stairs or ramps.</p> <p>It contributes to the New Zealand Certificate in Carpentry (Level 4) with optional strand in Metal Roof Cladding Installation [Ref:2738].</p> |

### Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

| <b>Hua o te ako   Learning outcomes</b>  | <b>Paearu aromatawai   Assessment criteria</b>   |
|--|--|
| 1. Construct timber stairs or ramps in accordance with plans and specifications. | a. Requirements for stair and ramp construction, including handrails, preparation tasks and site conditions, are identified. |
|  | b. Set out and preparation tasks are completed for stair construction.   |
|  | c. Stairs are constructed to meet plans, specifications, and industry standards.   |

### Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

To achieve this standard the candidate must be capable of constructing identifying requirements for timber stairs and ramps, and constructing timber stairs to industry standards. Timber stair minimum construction to include set out and construction of stringers of at least three treads.

Industry standards must reflect industry best practice, workplace procedures, and be within acceptable tolerances as defined in New Zealand codes, standards and regulations.

Plans and specifications can include working drawings, plan specifications, manufacturer specifications, installation instructions and, work, demolition and project plans.

This standard must be assessed in the workplace.

Evidence for this standard must be:

- to current and relevant Legislation, Standards, and Codes (including safety),
- in an environmentally sustainable manner,
- within an acceptable timeframe,
- in different and unfamiliar contexts,
- with acceptable behaviours.

**Ngā momo whiwhinga | Grades available**

Achieved

**Ihirangi waitohu | Indicative content**

## Timber stairs or ramp construction

- Material calculation, including considerations for the total going, riser height, and load requirements.
- Marking and cutting stringers to specified dimensions.
- Attaching treads using housing joints, brackets, or a cut stringer method.
- Fixing stairs or ramps securely to the deck or ground structure.
- Setting out and constructing stair barriers, handrails, and upstands to meet compliance requirements.
- Establishing support structures, including piles/posts, ground beams, and stringers.
- Installing flooring, decking, and necessary edge protections.

## Building Code compliance

- Understanding and applying relevant building code clauses for stairs, and ramps.
- Ensuring barriers, handrails, and other safety elements align with minimum height and load-bearing requirements.

## Plans and specifications

- Reading and interpreting construction plans, specifications, and drawings.
- Identifying key details for set-out, material requirements, and construction methods.

**Rauemi | Resources**

Programme Guidance information available from [qualifications@waihangaarau.nz](mailto:qualifications@waihangaarau.nz).

**Pārongo Whakaū Kounga | Quality assurance information**

|   |  |
|---|--|
| <b>Ngā rōpū whakatau-paerewa   Standard Setting Body</b>                                | Waihanga Ara Rau Construction and Infrastructure Workforce Development Council |
| <b>Whakaritenga Rārangi Paetae Aromatawai   DASS classification</b>                     | Planning and Construction > Construction Trades > Carpentry                    |
| <b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga   CMR</b> | 0048   |

|                         |                          |                                   |  |
|-------------------------|--------------------------|-----------------------------------|--|
| <b>Hātepe   Process</b> | <b>Putanga   Version</b> | <b>Rā whakaputa   Review Date</b> | <b>Rā whakamutunga mō te aromatawai   Last date for assessment</b> |
|-------------------------|--------------------------|-----------------------------------|--|

|  |  |              |     |
|--|--|--------------|-----|
| <b>Rēhitanga   Registration</b>                      | 1  | [dd mm yyyy] | N/A |
| <b>Kōrero whakakapinga   Replacement information</b> | This skill standard replaces unit standards: |              |     |
| <b>Rā arotake   Planned review date</b>              | 31 December 2029                             |              |     |

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz) to suggest changes to the content of this skill standard.

DRAFT