

40820 Construct timber stairs or ramps

Kaupae Level	4
Whiwhinga Credit	4
Whāinga Purpose	<p>This skill standard is for people intending to complete qualifications and credentials in the carpentry trades.</p> <p>People with this skill standard have the skills to construct timber stairs or ramps.</p> <p>This skill standard may contribute to New Zealand qualifications designed for construction trades.</p>

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Construct timber stairs or ramps.	a. Legislative requirements for stairs and ramps including access and dimensions are identified.
	b. Requirements for stair and ramp construction, including handrails, preparation tasks and site conditions, are identified.
	c. Requirements for set out and construction sequence for timber stairs and ramps are identified.
2. Construct timber stairs or ramps.	a. Set out and preparation tasks are completed for timber stair or ramp construction.
	b. Stairs or ramps are constructed to meet plans and specifications.

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

Assessment specifications:

To achieve this standard the candidate must be capable of identifying requirements for timber stairs and ramps, and constructing timber stairs or ramps to industry standards. Timber stair minimum construction must 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 demonstrated:

- 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 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@waihangaararau.nz.

Pārongo Whakaū Kouna | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Planning and Construction > Construction Trades > Carpentry
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0120

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	28 August 2025	N/A
Kōrero whakakapinga Replacement information	N/A		
Rā arotake Planned review date	31 December 2030		

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