

## 40812 Construct a timber deck

<b>Kaupae   Level</b>	4
<b>Whiwhinga   Credit</b>	6
<b>Whāinga   Purpose</b>	<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 a timber deck.</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

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Construct a timber deck.	a. Requirements and components for constructing timber decks and handrails are determined, including necessary sizes and spacings for construction.
	b. Preparations and set out of decking is completed.
	c. Deck is constructed in accordance with plans and specifications.
	d. Decking is laid to plans and specifications, and manufacturer requirements, with correct spacing, fastening, and alignment for durability.

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

#### Assessment specifications:

To achieve this standard the candidate must be capable of constructing a complete timber deck including piles, sub-framing and decking to industry standards.

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 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 deck construction:

- Calculating material quantities based on plans and specifications.
- Setting out and marking for excavation and pile placement.
- Excavating holes and placing piles accurately.
- Mixing and pouring concrete to secure piles, including checking pile height and alignment.
- Installing bearers, joists, stringer beams, and subfloor ventilation systems.
- Fixing and securing decking boards to meet industry standards.
- Cantilevered systems.
- Materials and treatments.
- Deck flashings.

Building code compliance:

- Relevant building code clauses for decks, stairs, and ramps.
- Ensuring barriers, handrails, and other safety elements align with minimum height and load-bearing requirements.
- Determining sizes and spacing of components.

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](mailto:qualifications@waihangaararau.nz).

**Pārongo Whakaū Kouna | Quality assurance information**

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

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

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.