

**40813****Carry out sub-floor framing and flooring tasks**

<b>Kaupae   Level</b>	3
<b>Whiwhinga   Credit</b>	4
<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 carry out sub-floor framing and flooring construction tasks under limited supervision.</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. Carry out sub-floor framing and flooring tasks.	a. Components and materials of the sub-floor framing system and their roles are identified.
	b. Layout of the framing components, including their positioning and alignment, is identified.
	c. Fixing requirements for sub-floor framing components, including bracing elements, are carried out to ensure stability and safety.
	d. Techniques used to permanently connect the floor framing to the main structure, ensuring structural integrity, are carried out.
	e. Properties of different types of flooring, including materials, durability, and suitability for different environments, are identified.
	f. Application processes for flooring, based on manufacturer's requirements, are carried out.

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

To achieve this standard the candidate must be capable of completing sub-floor framing and flooring construction tasks under supervision 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.

*Under limited supervision* refers to candidates carrying out the requirements of this skill standard with basic guidance and indirect supervision from a suitably skilled tradesperson. They are expected to source some information independently from plans, specifications, or relevant New Zealand Standards.

This standard may be assessed in the workplace or a simulated work environment.

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,
- with acceptable behaviours.

### **Ngā momo whiwhinga** | Grades available

Achieved

### **Ihirangi waitohu** | Indicative content

Materials:

- Types of materials: light gauge steel, timber, composite.
- Treatments: preservative treatments for timber, coatings for steel, moisture resistance for composite materials.

Parts of sub-floor framing:

- Bearers, ribbon boards, joists, and their roles in floor support.
- Special connectors used for structural integrity.

Fixings:

- Types: hangers, nail plates, nail-on plates, flitch plates, screws, bolts, nails.
- Basic uses and how they secure floor framing components.

Flooring types and properties:

- Strip flooring, composite, solid timber, tongue and groove, sheet flooring, plywood, reconstructed wood, fibre cement, strand board.
- Properties: materials, sizes, profiles, durability, and treatments.

Flooring applications:

- Indoor areas, outdoor spaces, wet areas.
- Matching flooring types to specific environmental or functional requirements.

Regulations and standards:

- Building Act, NZBC (New Zealand Building Code), NZS (New Zealand Standards), and local planning rules.
- Awareness of consented and non-consented works.

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