

## 40805 Carry out roof framing tasks

<b>Kaupae   Level</b>	3
<b>Whiwhinga   Credit</b>	8
<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 roof framing 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

Hua o te ako   Learning outcomes	Paearu aromatawai   Assessment criteria
1. Identify the different types and components of roof framing.	a. The different types of roof styles, structures, and configurations are identified from plans and specifications.
	b. Components that make up roof framing, including their functions, are identified.
2. Carry out roof framing construction tasks.	a. Roof framing construction and assembly is carried out.
	b. Roof framing is permanently tied together, braced, and connected to wall framing to reflect job specifications.

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

#### Assessment specifications:

To achieve this standard the candidate must be capable of carrying out roof framing construction tasks for both pre-fabricated and on-site fabricated frames under limited supervision, in accordance with 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

Roof framing systems:

- Common roof types: gable, hip, skillion, and mono-pitch.
- Structural elements: rafters, purlins, ridges, and top plates.
- Prefabricated roof trusses vs. site-built systems.
- Load distribution and how roof framing supports the overall structure.

Components of roof framing:

- Ties and braces.
- Purpose and placement of roof space bracing, sarking, steel strap bracing, dragon ties, timber diagonal bracing, and collar ties.
- Impact of bracing systems on roof stability during seismic or wind events.
- Safety and access equipment.
- Overview of scaffolding, edge protection, drop netting, and elevated work platforms.
- Key regulations and guidelines for safe roof access.

Roof penetrations:

- Identification and basic considerations for chimneys, flues, skylights, and vents.
- Importance of weatherproofing around penetrations.

Environmental and Building Code considerations:

- Impact of climate on framing material selection and treatment.
- Introduction to NZ Building Code requirements for roof framing.

### **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	This skill standard replaced unit standard 32483.		
<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.