

Roof frame L3 Carry out roof framing tasks under supervision

Kaupae Level	3
Whiwhinga Credit	
Whāinga Purpose	This skill standard recognises the skills required to carry out roof framing tasks under supervision. This skill standard contributes to qualifications designed for carpentry.

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, components of roof framing.	a. The different types of roof styles, structures, and configurations are identified.
	b. Components that make up roof framing, including their functions, are identified.
2. Carry out roof framing construction under supervision.	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.

Pārongo 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 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 supervision refers to direction of work tasks being given by a qualified tradesperson.

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

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,
- 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.

Pārongo Whakaū Kounga | 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	0048

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	[dd mm yyyy]	N/A

Kōrero whakakapinga Replacement information	This skill standard replaces unit standards:
Rā arotake Planned review date	31 December 2029

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.

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