

40792 Form ceiling frame systems

Kaupae Level	4
Whiwhinga Credit	7
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 form ceiling frame systems.</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. Set out and form ceiling frame systems.	a. Ceiling framing requirements are determined and set out from plans and specifications.
	b. Ceiling framing is formed from individual components or proprietary systems to meet plan and specification requirements.
2. Form ceiling penetrations in ceiling frame systems.	a. Penetrations in ceiling framing are set out and formed according to 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 forming ceiling frame systems to industry standards.

Ceiling framing refers to framing systems including internal and external corners.

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, 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

Construction and assembly methods

- Multiplane, raking, bulkhead, stepped, and floating.
- Structural considerations for load-bearing and non-load-bearing ceiling systems.
- Impact of architectural design on ceiling framing requirements.
- Structural roles of ceiling joists, bottom chords, and battens.
- Integration of suspended ceiling systems, including proprietary components.
- Installation and use of perimeter angle/channel for complex designs.
- Techniques for aligning and fixing battens in complex designs.
- Installation of proprietary systems.
- Managing tolerances and deviations using packers, adjustable clips, or other solutions.
- Requirements for diaphragms.

Penetrations and structural modifications

- Framing for penetrations: skylights, chimneys, flues, and attic access.
- Reinforcing around penetrations to maintain structural integrity and performance.

Fixing and adjustments

- Accurate set-out for ceiling configurations.
- Precise fixing methods for perimeter angle/channel and battens to maintain level and alignment.
- Advanced adjustment techniques for deviations, ensuring architectural and structural accuracy.

Integration with other systems

- Coordinating with services and systems during framing.
- Access panels and service penetrations.
- Acoustic and thermal insulation within ceiling systems.

Roof penetrations and advanced techniques

- Designing framing solutions around large or multiple penetrations.
- Compliance with fire and sound transmission standards around penetrations.
- Techniques for sealing and finishing around roof penetrations.

Compliance and quality assurance

- Building codes and legislative requirements for ceiling framing systems.
- Inspecting and verifying framing quality, alignment, and structural soundness.
- Documenting as-built conditions and modifications.

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	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	This skill standard replaced unit standard 30847.		
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.