

40795 Set out, construct and install timber frame walls

Kaupae Level	4
Whiwhinga Credit	10
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 set out, construct and install timber frame walls.</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 construct timber frame walls.	a. Timber wall frames, including openings, are marked out and constructed to meet plans and specifications.
2. Install and timber frame walls	a. Timber wall frames are set out, plumbed, straightened, and temporarily braced using correct equipment and fixings. b. Timber frame walls are permanently fixed and connected to reflect 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 setting out, constructing and standing timber frame walls for a minimum of single-story residential construction 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

Wall structures and composition:

- Framed timber/light gauge steel: understand their structural roles and applications.
- Solid structures: concrete and block walls, their durability and usage.
- Panelled walls: applications and composition.
- Structural steel: integration within wall systems.
- Infill framing: purpose in construction.
- Fire systems: fire-rated wall structures and their compliance with safety standards.

Setting out and preparing:

- Reading plans and specifications: interpreting design documents accurately.
- Marking out: aligning and marking locations for wall components.
- Preparing the site: ensuring a level and stable base.

Standing timber frame walls:

- Assembling components as per design.
- Using braces and temporary supports during erection.
- Verifying plumb and alignment with tools.

Regulatory requirements:

- Compliance with the building code and relevant standards.
- Ensuring construction adheres to consented works and local planning rules.

Fixings and fastenings:

- Selecting appropriate hardware.
- Ensuring connections meet load and safety standards.

Quality assurance:

- Inspecting frames for defects or misalignments.
- Cross-referencing with design plans for accuracy.

Calculating quantities:

- Determining materials needed based on frame dimensions and specifications.
- Accounting for waste and contingencies.

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	N/A.		
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.