

## Frame L4      Set out and stand timber frame walls

<b>Kaupae   Level</b>	4
<b>Whiwhinga   Credit</b>	
<b>Whāinga   Purpose</b>	<p>This skill standard recognises the skills required to set out and stand timber wall framing</p> <p>It contributes to the New Zealand Certificate in Carpentry (Level 4) with optional strand in Metal Roof Cladding Installation [Ref:2738].</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 stand timber wall frames.	a. Timber wall frames, including openings, are set out and constructed to meet plans and specifications.
	b. Timber wall frames are stood, plumbed, straightened, and temporarily braced using correct equipment and fixings.
	c. Timber wall frames are permanently fixed and connected to reflect plans and specifications, ensuring compliance with industry standards.

### 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:

- 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.

Specialised applications:

- Tilt slab integration: aligning timber framing with pre-installed panels.
- Fire-rated walls: incorporating materials and designs to meet fire resistance requirements.

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](mailto:qualifications@waihangaararau.nz).

### **Pārongo Whakaū Kounga** | 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	0048

<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	[dd mm yyyy]	N/A
<b>Kōrero whakakapinga  </b> Replacement information	This skill standard replaces unit standards:		
<b>Rā arotake  </b> Planned review date	31 December 2029		

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@waihangaarau.nz](mailto:qualifications@waihangaarau.nz) to suggest changes to the content of this skill standard.