

40802 Complete building site set-out

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 complete building site set-out requirements.</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. Complete the external set-out of a building in preparation for construction.	a. Boundary lines, building location, and set-out points are confirmed.
	b. Surveying information is interpreted and used to establish set-out information and heights.
	c. Profiles are set out and constructed to meet plan and specification, and site requirements.
	d. Building lines are marked on profiles to meet plan, specifications and building code requirements.
2. Complete internal set-out of a building in preparation for construction.	a. Frame layout plan is interpreted to assist with interior set-out.
	b. Internal wall frame and service positions are marked out 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 completing the site set-out requirements for a building using profiles 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 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

Preparation for site set-out

- Reviewing site documentation: plans, specifications, and survey certificates.
- Setting out information: title block, symbols, abbreviations, and navigational aids.
- Equipment preparation.
- Setting up and positioning levelling equipment.
- Checking calibration and integrity of total stations, dumpy and laser levels.

Set-out techniques and procedures

- Establishing datum points and boundary lines.
- Installing profile pegs and boards, including bracing for stability.
- Marking building lines, offsets, and grid lines on profiles.
- Placement of set-out points, including interior and exterior corners.
- XYZ axis set-out and use of total stations for precision.
- Setting out angled walls, foundations, and curves.
- 3-4-5 and diagonal methods marking and for checking square.
- Adapting set-out processes around obstacles or existing structures.

Technology and digital tools

- Performing QA checks and reporting using digital tools.
- Reading digital plans and incorporating GPS or BIM technologies for site navigation.

Residential vs. Commercial set-out considerations

- Adjusting set-out methods for residential vs. commercial projects.
- Addressing variations in Tier 1, 2, or 3 construction and their set-out complexities.

Working with sub-trades

- Coordinating set-out to accommodate sub-trades such as plumbers, electricians, and concrete layers.
- Scheduling and communicating with sub-trades to ensure accurate set-out alignment.

Quality assurance and compliance

- Verifying the accuracy of set-out points against plans and specifications.
- Preparing and submitting QA reports for review.
- Ensuring compliance with local building codes and regulations.

Rauemi | Resources

Programme Guidance information available from qualifications@waihangaararau.nz.

Pārongo Whakaū Kouna | 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 30868.		
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.