

40556 Create sketches and drawings for a BCATS project

Kaupae Level	2
Whiwhinga Credit	5
Whāinga Purpose	<p>This skill standard is for people intending to develop basic skills and knowledge relevant to various building, construction, and allied trades contexts.</p> <p>This skill standard recognises the skills to create sketches and drawings for a project for building, construction, and allied trades.</p> <p>This skill standard aligns with the New Zealand Certificate in Building, Construction, and Allied Trades Skills (Level 2) [Ref: 3844].</p>

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Create sketches and drawings for a BCATS project.	a. Sketches are drawn with accurate annotations and measurements to communicate ideas for the project.
	b. Drawings are created from refined sketches including appropriate symbols and abbreviations, to communicate all necessary information for the project.
	c. Formal drawings are created in accordance with standard conventions for technical drawings.
	d. A complete set of formal drawings is created to communicate the different orthographic projections and cross-sections of the project.
	e. Sketches and drawings are stored safely to avoid damage.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

Candidates must demonstrate competence for this skill standard while undertaking at least one project. Projects at this level can be prescribed, with a focus on industry entry-level skills, using a range of techniques and tools to achieve the project requirements.

This skill standard may be assessed using design briefs or specific tasks.

Formal drawing refers to drawing with the aid of drawing instruments, which for the purposes of this standard may include computer-assisted design programmes. Formal drawings include third angle

orthographic projections with elevations, plans, cross sections; and may include the pictorial projections: isometric, oblique.

Sketching refers to freehand sketching, unaided by drawing instruments.

Symbols and abbreviations refer to those that would appear on a basic single-level house plan.

Technologies such as calculators and computers may be used in the assessment of this skill standard.

Ngā momo whiwhinga | Grades available

Achieved / Merit / Excellence.

Paetae Achieved	Kaiaka Merit	Kairangi Excellence
Create sketches and drawings for a BCATS project.	Create effective sketches and drawings for a BCATS project.	Create comprehensive sketches and drawings for a BCATS project.

Kaiaka | Merit: Effective refers to coherent project information and attention to detail across sketches and drawings.

Kairangi | Excellence: Comprehensive refers to communicating precise and detailed project information across sketches and drawings.

Ihirangi waitohu | Indicative content

- Different lines, symbols and abbreviations used on construction drawings and their purpose.
- Drawing and sketching methods and their practical application (including one-point perspective, two-point perspective, isometric, oblique, third angle orthographic projection).
- Drawing conventions.
- Drawing elevations and perspectives.
- Measurements, centres and spacings.

Rauemi | Resources

BCATS Programme Guidance, available from qualifications@waihangaararau.nz.

SAA/SNZ HB 1:1994 *Technical drawing for students*, available from www.standards.co.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 > Building, Construction, and Allied Trades Skills
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	29 May 2025	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 24353.		
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.