

Title	Demonstrate knowledge of and create technical sketches for construction		
Level	3	Credits	3

Purpose	People credited with this unit standard are able to: demonstrate knowledge of technical sketching for construction, and create simple technical sketches for construction from a given brief.
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Classification	Construction > Core Planning and Construction
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Available grade	Achieved
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Explanatory notes

Definitions

Job requirements mean the requirements of the job, which can include requirements of the specifications, and also aspects outside the specifications such as time requirements, equipment requirements, labour requirements, and requirements to work around other jobs being conducted at the same time.

Workplace practice refers to the documented procedures specific to a range of environments including workplaces, school workshops, work experience workplaces or other training establishments, which set out the standard and required practices of that workplace.

Simple means a drawing that is not complicated, elaborate or highly developed, which is created to approximate scale and proportion of construction detail.

Sketching means freehand sketching, unaided by drawing instruments.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of technical sketching for construction.

Evidence requirements

1.1 Technical sketches are described in terms of purpose.

1.2 Lines used on construction sketches are identified and their purpose described.

Range outlines, dimension lines, hidden detail, centre break, reference lines.

- 1.3 Symbols used on construction sketches are identified and their purpose described.
- Range symbols indicating – materials, doors, windows, fittings and furnishings.
- 1.4 Sketching methods are identified and described in terms of their practical application.
- Range one-point perspective, two-point perspective, isometric, oblique; third angle orthographic projection.

Outcome 2

Create simple technical sketches for construction from a given brief.

Evidence requirements

- 2.1 Job requirements are obtained and verified, and sketching technique is selected in accordance with workplace practice.
- 2.2 Sketches are created in accordance with job requirements.
- Range proportion, detail, two dimensional, three dimensional.
- 2.3 Sketches communicate information relevant to the construction project.

Planned review date	31 December 2015
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 March 2011	N/A

Accreditation and Moderation Action Plan (AMAP) reference	0048
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This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Consent requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Building and Construction Industry Training Organisation national.office@bcito.org.nz if you wish to suggest changes to the content of this unit standard.