

<b>Title</b>	<b>Demonstrate knowledge of and create technical sketches for construction</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	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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<b>Classification</b>	Construction > Core Planning and Construction
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<b>Available grade</b>	Achieved
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## Guidance Information

### 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 performance criteria

### Outcome 1

Demonstrate knowledge of technical sketching for construction.

### Performance criteria

- 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.
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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.

### Performance criteria

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.

**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 March 2011	31 December 2024
Review	2	25 August 2022	31 December 2024

### Consent and Moderation Requirements (CMR) reference

0048

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.