

Title	Prepare architectural working drawings for small buildings		
Level	5	Credits	30

Purpose	People credited with this unit standard are able to prepare location drawings, assembly drawings, component drawings, and schedules, for small buildings.
----------------	---

Classification	Construction > Architectural Technology
-----------------------	---

Available grade	Achieved
------------------------	----------

Guidance Information

- 1 Definitions

Small buildings are small scale, light weight buildings in accordance with Category 1 buildings as defined in the Licensed Building Practitioner Scheme.

Specifications refer to documented instructions and may include any of the following: manufacturer's specifications, recommendations or technical data sheets; material specifications; project specific specifications from a specialist source such as an architect, designer, engineer or a supervisor; site or work specific requirements.

Standards include New Zealand or New Zealand/Australian standards relevant to architectural drawing, and also enterprise and organisational standards.

View means one image.
- 2 Performance of all outcomes is carried out in accordance with enterprise and organisational standards and procedures unless otherwise stated. Enterprise and organisational standards and procedures may include: quality assurance, documentation, security, communication, health and safety, ethics, interpersonal behaviour, and environmental and sustainability principles. An acceptable standard would be comparable to ISO 9000 certified enterprises and organisations and those set by an incorporated professional or trade body. Examples of such bodies are New Zealand Institute of Architects, Design Association of New Zealand Incorporated, and Architectural Designers of New Zealand Incorporated.
- 3 Performance of all outcomes should be assessed within constraints normally applicable to a commercial environment.
- 4 Legislation relevant to this unit standard includes:

Health and Safety in Employment Act 1992 and Health and Safety in Employment Regulations 1995;

Resource Management Act 1991;

Building Act 2004; and

NZS/AS 1100.101:1992 *Technical drawing – General principles*,

NZS/AS 1100.301:1985 *Technical drawing – Architectural drawing*,

NZS/AS 1100.301 SUPP1:1986 *Technical drawing – Architectural drawing – Architectural drawings*, and
NZS 3604:2011 *Timber-framed buildings*
available from Standards New Zealand at <http://www.standards.co.nz>.

- 5 Recommended skills and knowledge:
Unit 27159, *Demonstrate knowledge of and create technical drawings for design and construction*, or demonstrate equivalent knowledge and skills.

Outcomes and performance criteria

Outcome 1

Prepare location drawings for small buildings.

Range drawings comprising – locality, site, foundation, floor, roof, framing and bracing, services;
views – plans, elevations, sections.

Performance criteria

- 1.1 Symbols used conform to standards, or to a legend which makes the drawings self-explanatory.
- 1.2 Drawings present information in the sequence in which they are required for construction.
- 1.3 Information enables building consent application to be prepared.
- 1.4 Scale is selected in accordance with drawing content and purpose.
- 1.5 Drawings cross-reference accurately with other drawings for the project.

Outcome 2

Prepare assembly drawings for small buildings.

Range eight views must be provided, including at least one of each of the following building elements – foundation, floor, wall, roof, window;
and between them must contain details for – construction, junctions, fixings.

Performance criteria

- 2.1 Drawings are in accordance with the location drawings.
- 2.2 Drawings show construction and assembly requirements.
- 2.3 Drawings cross-reference accurately to the specifications and other drawings for the project.

Outcome 3

Prepare component drawings for small buildings.

Range window component range, door component range;
one of – kitchen, bathroom.

Performance criteria

- 3.1 All required components are detailed in accordance with the working drawings.
- 3.2 Drawings enable subcontractors to supply components.
- 3.3 Drawings cross-reference accurately to the specifications and other drawings for the project.

Outcome 4

Prepare schedules for small buildings.

Range interior finishes schedule, risk matrix weathertightness calculation, bracing calculation, timber schedule.

Performance criteria

- 4.1 Schedules facilitate the work of subcontractors.
- 4.2 Schedules include required components in accordance with the working drawings.
- 4.3 Schedules enable subcontractors to estimate quantity and scope of work.

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	28 February 1997	31 December 2014
Revision	2	10 December 1997	31 December 2014
Revision	3	8 October 1998	31 December 2014
Revision	4	27 October 1999	31 December 2014
Revision	5	7 June 2000	31 December 2014
Review	6	20 March 2003	31 December 2014
Revision	7	19 July 2004	31 December 2014
Review	8	18 March 2011	31 December 2016
Review	9	22 May 2014	31 December 2023
Review	10	25 August 2022	31 December 2023

Consent and Moderation Requirements (CMR) reference

0048

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