

Title	Prepare architectural working drawings for medium buildings		
Level	6	Credits	35

Purpose	People credited with this unit standard are able to prepare location drawings, assembly drawings, component drawings, schedules, and a specification, for medium buildings.
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Classification	Construction > Architectural Technology
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Available grade	Achieved
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Guidance Information

1 Definitions

Medium buildings are light to medium weight mixed use buildings in accordance with Category 2 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 showing assembly details.

2 For the purpose of this unit standard, specialist consultants should include consultants for structural engineering, fire engineering, vertical transport, heating and ventilation, plumbing and drainage, security and telecommunications, and/or electrical services.

3 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.

4 Performance of all outcomes should be assessed within constraints normally applicable to a commercial environment.

- 5 Legislation and publications relevant to this unit standard include: 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>.
- 6 Recommended skills and knowledge:
Unit 27159, *Demonstrate knowledge of and create technical drawings for design and construction*; and Unit 10164, *Prepare architectural working drawings for small buildings*; or demonstrate equivalent knowledge and skills.

Outcomes and performance criteria

Outcome 1

Prepare location drawings for medium buildings.

Range drawings comprising – locality, site, foundation, floor, roof, framing and bracing, services, vehicular movement;
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 consents to be prepared.
- 1.4 Scale is selected in accordance with drawing content and purpose.
- 1.5 Drawings integrate and coordinate the information from specialist consultants.
- 1.6 Drawings cross-reference accurately with other drawings for the project.

Outcome 2

Prepare assembly drawings for medium buildings.

Range twelve views must be provided, including at least one of each of the following building elements – foundation, floor, wall, roof, windows, cladding;
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.
- 2.4 Drawings integrate and coordinate the information from specialist consultants.

Outcome 3

Prepare component drawings for medium buildings.

Range window component range, door component range;
one of – stairs, shop fittings, specialist joinery.

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.
- 3.4 Drawings integrate and coordinate the information from specialist consultants.

Outcome 4

Prepare schedules for medium buildings.

Range interior finishes schedule, exterior finishes schedule, door hardware 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 integrate and coordinate the information from specialist consultants.
- 4.4 Schedules enable subcontractors to estimate quantities, scope, and standards of finishes.

Outcome 5

Prepare specifications for medium buildings.

Range minimum of two specifications.

Performance criteria

- 5.1 Accurately compile sections of a project specific specification.
- 5.2 Accurately edit sections of a project specific specification.

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