

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

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

- 1 Definitions

Exterior façade includes cladding and glazing.

Large buildings refer to high rise, large and complex buildings of more than three levels above ground level.

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 may 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 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;
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 3604:1999 *Timber Framed Buildings*, available from Standards New Zealand (<http://www.standards.co.nz>).

- 6 Recommended skills and knowledge:
Unit 10164, *Prepare architectural working drawings for small buildings*; and Unit 10165, *Prepare architectural working drawings for medium buildings*.

Outcomes and performance criteria

Outcome 1

Prepare location drawings for large buildings.

Range drawings comprising – locality, site, floors, roof, service core; views – plans (including reflected ceiling plan and tenancy plan), 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 large buildings.

Range sixteen views must be provided, including at least one of each of the following building elements – floor, wall, roof, exterior façade, service core; and between them must contain details for – construction, junctions, fixings, penetrations.

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 large buildings.

Range one of – lobby fitout, specialist joinery, architectural feature.

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 large buildings.

Range for one floor – interior finishes schedule, hardware schedule, furniture 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.

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 2023
Revision	2	10 December 1997	31 December 2023
Revision	3	8 October 1998	31 December 2023
Revision	4	27 October 1999	31 December 2023
Revision	5	7 June 2000	31 December 2023
Review	6	20 March 2003	31 December 2023
Revision	7	19 July 2004	31 December 2023
Review	8	18 March 2011	31 December 2023
Review	9	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>.