

Title	Develop a concept and preliminary architectural design from a given brief		
Level	5	Credits	15

Purpose	People credited with this unit standard are able to: develop a concept from a given design brief; develop a concept into a preliminary architectural design; and present a preliminary architectural design.
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Classification	Construction > Architectural Technology
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Available grade	Achieved
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Guidance Information

- 1 Definitions
Indicative cost refers to general cost indications that are not exact or defined in detail.
Sustainability means the ability to complete building works using a minimum of the earth's resources and having minimal negative effect on the environment.
- 2 In this unit standard it is intended that the design project should be of small scale and limited complexity. An example is a simple residential building.
- 3 Outcome 3 can be assessed using a simulated scenario.
- 4 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.
- 5 Performance of all outcomes should be assessed within constraints normally applicable to a commercial environment.
- 6 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.

Outcomes and performance criteria

Outcome 1

Develop a concept from a given design brief.

Performance criteria

- 1.1 Parameters for the project are established from the design brief and incorporated into the concept.
- Range time, indicative cost, qualities.
- 1.2 Concept meets requirements and enhances site possibilities.
- Range requirements – client, site, regulatory.
- 1.3 Concept sketches are depicted in a format that clearly presents information to the designer and client for the development of the design.
- Range two of – 3D sketches, freehand sketches, 3D form models, bubble diagrams, functional diagrams, schematic plans/spatial relationships, preliminary plans/elevations/sketches.

Outcome 2

Develop a concept into a preliminary architectural design.

Performance criteria

- 2.1 Preliminary architectural design demonstrates the principles of design and is in accordance with the design brief and concept.
- Range proportions, scale, space and its articulation, physical aspects of spatial boundaries, context.
- 2.2 Preliminary architectural design addresses environmental issues.
- Range sustainability, biodiversity, toxicity of materials, energy conservation, noise.
- 2.3 Preliminary architectural design includes a cost estimate for budget purposes.
- Range square metre rates.

Outcome 3

Present a preliminary architectural design.

Range client, Project Information Memorandum application.

Performance criteria

- 3.1 Presentation is clear and concise and conveys the appearance of the architectural design proposal.
- 3.2 Presentation conveys the function of the architectural design proposal.

Replacement information	This unit standard replaced unit standard 10162.
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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 2023
Review	2	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>.