

Produce architectural, structural, and interior design drawings

Level 4

Credits 6

Purpose People credited with this unit standard are able to: produce and present 2D and 3D design sketches for architectural, structural, and interior design concepts; prepare to produce, and produce, final drawings for architectural, structural, and interior design concepts; and verify, evaluate, and present the drawings.

Credit for this unit standard does not indicate workplace role-holder competence, but is a foundation standard contributing to the development of graphic communications expertise.

Subfield Design

Domain Design - Graphic Communication

Status Registered

Status date 31 August 1996

Date version published 26 March 2007

Planned review date 31 December 2008

Entry information Recommended: Unit 7513, *Produce architectural and environmental drawings for presentation*, or demonstrate equivalent knowledge and skills.

Accreditation Evaluation of documentation by NZQA.

Standard setting body (SSB) NZQA National Qualifications Services

Accreditation and Moderation Action Plan (AMAP) reference 0226

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

Special notes

- 1 This unit standard may be used to award credit for the achievement of learning outcomes consistent with *Technology in the New Zealand Curriculum* (Learning Media Wellington, 1995).

- 2 This unit standard relates to the design sketches and working drawings for home and light commercial architectural projects, and an application of building codes, planning permission, and local authority requirements.
- 3 Examples of problems for this unit standard include the drawing and detailing of structural elements such as: load bearing walls, columns, beams and trusses; briefs involving interior and furniture design sketches, drawings, and presentation.
- 4 Brief needs to include design problems for a specified client.
- 5 Drawings must comply with standards convention AS 1100.101-1992/Amdt 1-1994: Technical drawing General principles.
- 6 Assessment evidence for this unit standard may have been generated solely for assessment purposes.

Elements and performance criteria

Element 1

Produce and present 2D and 3D design sketches for architectural, structural, and interior design concepts.

Performance criteria

- 1.1 Media selected and used for design sketches suit the subject, and meet the requirements of the brief.

Range may include but are not limited to – grid and coloured paper, overlays, computer graphics.
- 1.2 Sketching techniques applied suit the stages of the design process and the specific requirements of the brief.
- 1.3 Sketches communicate ideas and information relevant to the design specifications of the brief.
- 1.4 Design sketches reflect evidence of research conclusions which consider the needs of the client and design specifications.

Range examples are – environmental, aesthetic, functional, structural, building codes, health and safety.

Element 2

Prepare to produce final drawings for architectural, structural, and interior design concepts.

Performance criteria

- 2.1 Equipment and resources assembled enable construction and completion of the drawings.

2.2 Type of drawing selected communicates the design.

Range may include but are not limited to – planometric, perspective projection and multi-view assembly, orthographic views.

2.3 Selection of drawing layout, scale, detail, and titling communicates the design.

Element 3

Produce final drawings for architectural, structural, and interior design concepts.

Performance criteria

3.1 Views, layout, and scale communicate the design solution.

3.2 Selected drawing system is applied in accordance with standards convention and site practice.

3.3 Drawing complies with standards convention for instrumental or computer aided draughting (CAD) work, and with site practice.

3.4 Drawing communicates information to meet the design specification and site requirements.

3.5 Graphic presentation techniques applied communicate the subject, and comply with standards convention and site practice.

Element 4

Verify, evaluate, and present the drawings.

Performance criteria

4.1 Drawings are checked against the brief, relevant standards, and site requirements to identify any inaccuracies; and are corrected where necessary.

4.2 Design sketches, notes, and drawings are evaluated, in a report, in relation to the specification and the needs of the client, to identify compliance or non-compliance with the brief; and are corrected where necessary.

4.3 Presentation meets the specification and client needs.

Please note

Providers must be accredited by the Qualifications Authority, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the NZQA National Qualifications Services nqs@nzqa.govt.nz if you wish to suggest changes to the content of this unit standard.