



Australian Government

Assessment Requirements for CPPBDN4013 Produce construction detail drawings

Release: 1

Assessment Requirements for CPPBDN4013 Produce construction detail drawings

Modification History

Release 1. New unit.

This version first released with CPP Property Services Training Package Version 1.

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit, and must be able to provide evidence of the ability to produce construction detail drawings under the supervision and instruction of an architect or building designer for the following three building design projects, as defined in the Building Code of Australia (BCA). At least one of the building design projects must include a Class 10 component:

- one Class 1 building
- one Class 2 building
- one building selected from Classes 3 to 9.

At least one of the above building projects must be two storeys and one must be three storeys or more.

For each of the building design projects, the person must provide evidence of:

- producing three construction detail drawings in 1:20 or 1:10 scale for elements of the building required by the building design project as listed in the range of conditions
- applying drawing conventions according to:
 - AS1100.101 Technical drawing - General principles
 - AS1100.301 Technical drawing - Architectural drawing
 - current industry best practice
- making at least one modification to the construction detail drawings in response to feedback received from client, architect or building designer or other relevant specialist consultant.

Knowledge Evidence

A person demonstrating competency in this unit must be able to demonstrate knowledge of the following, as they relate to the three classes and types of building projects specified in the performance evidence:

- construction terminology required to discuss construction detail drawings with colleagues, architect or building designer and specialist external consultants
- current industry drawing standards and conventions appropriate to the production of construction detail drawings, including:

- appropriate use of dimensions, scale, layout, white space and notations on drawings to ensure ease of interpretation by client and others
- current Australian standards relating to drawings
- functions of building information modelling (BIM)-capable building design software used for producing construction detail drawings
- line styles and conventions used in technical and detail drawings for construction purposes
- principles of architectural conventions used in detail drawings
- types of drawings, documentation and models required for client consultations regarding construction detail drawings
- methods of construction, including the sequencing of construction work and potential challenges experienced onsite during construction
- principles and qualities of construction materials used in the range of building classes and types.

Assessment Conditions

Assessment must be conducted in the workplace or a close simulation of the workplace.

Suitable assessment of performance requires:

- equipment:
 - computer with internet access, BIM-capable building design software and business software currently used in drafting, architectural and building design practices
 - telephone
- materials – access to:
 - building design plans and drawings for building design plans and drawings for building projects specified in the performance evidence
 - legislation, regulations, codes, standards and other relevant compliance documentation relating to each building design project specified in the performance evidence
 - reports from technical experts
 - working drawings and plans
- specifications – access to:
 - technical drawings and plans
 - client design brief
- relationships with team members and supervisor:
 - tasks may be completed individually but may rely on information sourced from team members and supervisor as relevant to the task.

Assessor requirements

As a minimum, assessors must satisfy SNR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>