



Australian Government

CPPBDN4102 Analyse building design drawings

Release: 1

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Modification History

Release 1 This version first released with CPP Property Services Training Package Release 11.0.

Supersedes and is equivalent to CPPBDN4009 Analyse building design drawings and review findings. Title changed to clarify unit outcome.

Application

This unit specifies the skills and knowledge required to read, interpret and analyse building design drawings for Class 1 and 10 buildings, as defined in the National Construction Code (NCC). It covers interpreting construction industry conventions for drawings and analysing drawings for different projects to identify design and technical features.

The unit applies to drafters who work under the supervision and instruction of building designers or architects and use specialised knowledge to complete routine and non-routine tasks and deal with predictable and sometimes unpredictable drafting problems.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Building Design

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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| 1 Interpret drawing conventions. | 1.1 Identify sources and review types of drawings used in building design projects. |
| | 1.2 Identify and confirm industry standard format and content requirements for building design drawings. |
| | 1.3 Identify and review types of views used in building design drawings. |

- 1.4 Identify and review technical drawing conventions used in building design drawings.
 - 1.5 Identify and review architectural conventions used in building design drawings.
 - 1.6 Identify and review notations used in building design drawings.
- 2 Analyse building design drawings.
- 2.1 Determine key features of site plans for building design project.
 - 2.2 Determine key features of floor plans and sub-floor plans in project drawings.
 - 2.3 Determine key features of elevations of each aspect of building in drawings.
 - 2.4 Analyse sections of buildings to determine construction methods and features of internal design and finishes.
 - 2.5 Identify anomalies or contradictions in building design drawings and seek advice from relevant personnel.
- 3 Analyse drawings from relevant external consultants.
- 3.1 Identify external consultants contributing to building design drawings.
 - 3.2 Interpret land survey drawings to identify site topographical features.
 - 3.3 Interpret structural engineering drawings to identify construction methods.
 - 3.4 Examine drawings and reports from relevant disciplines to determine services layout.
 - 3.5 Confirm consultant recommendations for building design project from drawings and drawing notations.
 - 3.6 Identify anomalies or contradictions in building design drawings and seek advice from relevant personnel.

Foundation Skills

As well as the foundation skills explicit in the performance criteria of this unit, candidates require:

- reading skills to interpret specialised vocabulary, abbreviations and acronyms specific to building design work, including terms used by external consultants
- writing skills to make concise and technically accurate notes from drawings and reports
- numeracy skills to:
 - interpret and check the accuracy of numerical information in drawings and reports, including dimensions, ratios, scales and scale conversions
 - use mathematical language to interpret drawings.

Unit Mapping Information

Supersedes and is equivalent to CPPBDN4009 Analyse building design drawings and review findings. Title changed to clarify unit outcome.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>