



Australian Government

Assessment Requirements for CPCCBC4012 Read and interpret plans and specifications

Release: 1

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Modification History

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCCBC4012B Read and interpret plans and specifications. Updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by identifying and interpreting building and construction information from a set of plans and specifications.

In doing this, the candidate must:

- identify orientation of structures, site contours, datum and reduced levels, and site features to be removed or retained
- identify structural load bearing information of the building and compare information from specification
- check wind bracing materials and tie-down methods for accuracy against the wind bracing table
- interpret essential elements from two-dimensional to three-dimensional format, and apply to estimation, planning and supervisory tasks.

Knowledge Evidence

To be competent in this unit, a person must demonstrate knowledge of:

- types of plans:
 - concept drawing/sketches
 - architectural
 - structural
 - civil
 - mechanical
 - electrical
 - plumbing and draining
- parts of a plan:
 - site plan
 - floor plan

- elevations
- sections
- details
- drawing conventions:
 - datum and reduced levels (RL)
 - title block
 - scale
 - dimensions
 - abbreviations
- utilities and services plans and specifications
- isometric drawings, oblique drawings, perspective drawings and orthographic drawings
- computer-aided design (CAD) drawings
- building and construction regulations, standards and codes
- classes of buildings
- the NCC
- building information modelling (BIM)
- building and construction methods and terminology
- workplace processes, workplace safety and environmental requirements.

Assessment Conditions

Assessors must satisfy the requirements for assessors listed in the Standards for Registered Training Organisations.

Assessment can be undertaken in the workplace or in a simulated workplace environment.

A simulated environment is one that realistically replicates workplace conditions, materials and equipment, interactions with others and workplace irregularities, and which meets industry standards for safety and environmental practices.

Candidates must have access to:

- plans and specifications and other quality documentation required to undertake the performance criteria and assessment requirements
- relevant government building and construction and contract legislation
- current building and construction codes and standards
- National Construction Code
- computers, applications and software to access CAD.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>