



Australian Government

CPCPCM4013 Produce 2-D architectural drawings using design software

Release: 2

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Modification History

- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Changes to Knowledge Evidence.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and is equivalent to CPCPCM4013A Produce 2-D architectural drawings using CAD software. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to produce two-dimensional (2-D) architectural drawings using computer-aided design (CAD) software. It includes preparing drawings from project briefs, sketches, drawings and plans for residential and commercial projects.

This unit applies to those who work are responsible for preparing architectural drawings.

This unit is suitable for people operating with some autonomy. A person working at this level would be expected to take responsibility for organising and completing tasks assigned to them without needing close supervision.

In some jurisdictions, this unit of competency may form part of accreditation, licensing, legislative, regulatory or certification requirements.

Pre-requisite Unit

Nil.

Unit Sector

Plumbing

Elements and Performance Criteria

Elements describe the essential outcomes.

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

- 1 Create a drawing template file.
 - 1.1 Confirm and clarify drawing requirements with relevant personnel.
 - 1.2 Access and refer to current building and plumbing standards and regulations.
 - 1.3 Set up a basic drawing environment.
 - 1.4 Create a layering strategy for drawing, viewing and editing.
 - 1.5 Create an architectural library.
 - 1.6 Create suitable styles for title block, hatch patterns, dimension lines and thicknesses and text.
- 2 Produce architectural drawings.
 - 2.1 Produce drawings using appropriate layers.
 - 2.2 Add relevant notations to the drawing as required.
 - 2.3 Add dimensions, using appropriate scales, to the drawing.
 - 2.4 Use editing commands to modify drawing elements and existing text.
 - 2.5 Delete elements that are not required from the existing drawing.
- 3 Print CAD drawings.
 - 3.1 Set printing requirements to suit page layout for drawings.
 - 3.2 Set print parameters for printer.
 - 3.3 Print drawings on the correct media.
 - 3.4 Observe sustainability principles and concepts when preparing for and undertaking work process.
- 4 Save and back up files.
 - 4.1 Create suitable directories for the drawing project.
 - 4.2 Save and back up drawing files into specific drives or directories.

- 4.3 Retrieve, rename and edit saved files as required.
- 5 Import files.
 - 5.1 Insert drawing files into other software applications.
 - 5.2 Import text files from other software application into CAD.

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPCPCM4013A Produce 2-D architectural drawings using CAD software.

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>