Australian Government

Assessment Requirements for 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.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria for this unit by:

- producing one 2-D architectural drawing of a plumbing and services layout for a single dwelling (Class 1a) building, including:
    - the use of a computer-aided design (CAD) architectural program
    - compliance with current standards and codes
    - develop accompanying specifications.

Knowledge Evidence

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

- types and application of drawings, including:
    - elevations or projections
    - floor plans
    - site plans
    - sections
    - details
- drafting and drawing protocols/conventions, including:
    - abbreviations
    - commonly used symbols
    - legends / keys
    - lettering standards
    - scale

- SI units of measurement
- paper size
- current building and plumbing codes, standards and regulations
- construction terminology
- structural systems and construction technology
- characteristics and application of building and plumbing materials
- sustainability principles and concepts which cover:
  - social, economic and environmental use of resources to meet current and future needs
  - energy efficiency
  - disposing of waste material to ensure minimum environment impact
  - relevant work health and safety (WHS) principles and responsibilities.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

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