

Unit of Competency CPCPCM3024

Prepare simple drawings

Application

This unit specifies the skills and knowledge required to produce onsite drawings for plumbing services work.

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

Prerequisite Unit

CPCPCM2043 Carry out WHS requirements

Elements and Performance Criteria

1. Create simple sketches and drawings.	<p>1.1 Identify key features required through consultation with associated persons and reference to plans.</p> <p>1.2 Identify and apply workplace, work health and safety (WHS) and environmental requirements.</p> <p>1.3 Select suitable views to create simple sketches and drawings.</p> <p>1.4 Use standard drawing conventions, incorporating relevant codes and standards to create simple sketches and drawings.</p>
2. Notate and process drawings.	<p>2.1 Record essential information on the drawing with symbols and abbreviations according to standard drawing conventions.</p> <p>2.2 Store drawings according to organisational administration and quality procedures.</p>

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 CPCPCM4014A Prepare simple sketches and drawings.

Links

Companion Volume Implementation Guide:

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCPCM3024

Prepare simple drawings

Performance Evidence

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

- producing three drawings for plumbing services work from any of the following:
 - a sanitary plumbing installation
 - a sanitary drainage installation
 - a mechanical services installation
 - a gas installation
 - a roofing installation
 - a fire services installation
 - a water services installation.

The drawings must:

- include 2D plan, schematic or isometric, and sectional drawings
- be presented clearly with appropriate notations and labelling.

Knowledge Evidence

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

- drawing conventions and features, including direction, scale, key, contours, symbols and abbreviations
- drawing techniques
- types of drawings required:
 - floor plans
 - land boundaries and footprint of building
 - schematic drawings of pipework
 - sectional
 - isometric
- how to access relevant information, including codes and standards
- tools, materials and equipment used for creating drawings
- work health and safety (WHS) requirements where measurements are to be taken and recorded.

Assessment Conditions

Assessors must satisfy the requirements for assessors listed 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.

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