



Australian Government

Department of Education, Employment and Workplace Relations

SIRRMER510 Produce working drawings

Release: 1

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Modification History

The version details of this endorsed unit are in the table below. The latest information is at the top.

Release	Comments
First Release	This is a revised unit, based on and equivalent to SIRRMER008A Produce working drawings.

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to apply architectural drafting techniques to develop working drawings and proposals in response to client briefs.

Application of the Unit

This unit applies to a range of people producing working drawings. It is particularly relevant to frontline visual merchandisers and visual merchandiser supervisors and managers who develop store designs, floor layouts and exhibition designs in response to client briefs.

Licensing/Regulatory Information

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

Pre-Requisites

Nil

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements and Performance Criteria

Element

Performance Criteria

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

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| <p>1. Produce industry standard page layouts.</p> | <p>1.1. Establish <i>purpose and scope of the drawings</i>.</p> <p>1.2. Use and maintain <i>drafting equipment and materials</i> according to industry standards.</p> <p>1.3. Select and use appropriate drawing instruments.</p> <p>1.4. Ensure drafts reflect accurate lines of standard widths to delineate object and projection lines.</p> <p>1.5. Apply line work in a range of different types and media, according to standard industry drawing practice.</p> <p>1.6. Add letter text in a variety of formats and according to architectural conventions.</p> <p>1.7. Identify and use different drawing scales.</p> <p>1.8. Incorporate appropriate graphic symbols.</p> <p>1.9. Add notations and dimensions to complete drawing.</p> |
| <p>2. Produce dimensional scale orthographic drawings.</p> | <p>2.1. Draft accurate layout, dimension and scale of orthographic projections of given objects.</p> <p>2.2. Produce orthographic projections to industry standard.</p> |
| <p>3. Produce scale dimensional drawings of objects and interiors.</p> | <p>3.1. Maintain accurate angles and proportions in isometric and axonometric projections according to orthographic drawings.</p> <p>3.2. Maintain correct dimensions in all scale drawings.</p> |
| <p>4. Produce design solutions in response to client briefs.</p> | <p>4.1. Describe object, space, scale and accurate dimensions in selected orthographic views.</p> <p>4.2. Identify and produce appropriate projections to fulfil <i>client</i> briefs.</p> <p>4.3. Complete rendered illustrations using axonometric or isometric projections according to client specifications.</p> |

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

- analytical and decision-making skills to establish purpose of drawings and select appropriate tools and types of drawings
- communication and interpersonal skills to:
 - ask questions to identify and confirm requirements
 - share information
 - use and interpret non-verbal communication
 - use language and concepts appropriate to cultural differences
- numeracy skills to:
 - apply scales to drawings
 - maintain correct dimensions to scaled drawings
- planning and organising skills to complete tasks within set timeframes
- technical skills to:
 - follow safe work practices
 - use and maintain visual merchandising drafting tools and equipment

Required knowledge

- environmental and work health and safety (WHS) issues associated with equipment and materials used for drawing
- general knowledge of elements and principles of design and application to drafting of working drawings
- graphic symbols and their meanings
- standard industry drawing practice

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Evidence of the following is essential:

- selects and applies drawing tools and materials to produce working drawings according to the proposed design and client brief
- produces drawings for a visual merchandising project, including orthographic, isometric and axonometric drawings.

Context of and specific resources for assessment

Assessment must ensure access to:

- a real or simulated retail visual merchandising work environment
- relevant documentation, such as project specification and brief
- drawing equipment and materials.

Method of assessment

A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit:

- observation of performance in the workplace
- review of working drawings
- simulated client briefs
- client feedback
- answers to questions about specific skills and knowledge
- review of portfolios of evidence and third-party workplace reports of on-the-job performance.

Guidance information for assessment

Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the individual, accessibility of the item, and local industry and regional contexts) may also be included.

Purpose and scope of the drawings may include:

- exhibition designs
- floor layouts
- proposals in response to a brief
- store design.

Drafting equipment and materials may include:

- electronic drafting equipment and materials, such as:
 - two-dimensional (2-D) computer aided design (CAD) software
 - 2-D CAD user manuals
 - information and communications technology (ICT) hardware
- manual drafting tools and equipment, such as:
 - blades
 - drafting board
 - HB and harder pencils
 - paper
 - scale rule
 - set squares
 - T-square.

Client may include:

- external business
- retail manager within the organisation.

Unit Sector(s)

Retail

Competency Field

Merchandising