

1. Title	Draw shop drawings of simple installations of power supply system
2. Code	EMELDE104A
3. Range	Understand common electrical symbols and basic electrical installation arrangements, and draw simple single-line circuit diagrams and basic electrical installation drawings for low voltage electrical installations in general buildings using three-phase or single-phase power supply from the distribution board to final circuits.
4. Level	1
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Basic knowledge of drawing simple single-line diagrams of low voltage power supply systems</p> <ul style="list-style-type: none"> ◆ Know about the components of low voltage electrical installations in general buildings using three-phase or single-phase power supply from the distribution board to final circuits, and the names and symbols of the components ◆ Know about the arrangement, protection system and design requirements for low voltage electrical installations in general buildings using three-phase or single-phase power supply from the distribution board to final circuits ◆ Understand the functions, correlation and importance of various kinds of drawings such as single-line plans, circuit diagrams, shop drawings, electrical installation layout plans and 3D assembly drawings ◆ Understand the drawing basics to draw simple low voltage power supply systems single-line diagrams showing the three-phase or single-phase power supply from the distribution board to final circuits <p>6.2 Draw simple low voltage electrical installation shop drawings</p> <ul style="list-style-type: none"> ◆ List the working requirements and explanatory notes on the drawings such as using electrical installation layout plans, 3D assembly drawings and sectional drawings
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to use simple electrical symbols to draw a simple diagram showing the three-phase or single-phase power supply from the distribution board to final circuits, and master the details of the work.</p>
8. Remarks	