

1. Title	Master the basic design concept and the details of the shop drawings of various kinds of extra-low voltage installations of buildings
2. Code	EMELDE201A
3. Range	Applicable to the design and installation work of extra-low voltage installations of buildings. Understand the basic design concept and the key points of the shop drawings of various kinds of extra-low voltage installations of buildings.
4. Level	2
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand the basic design concept and the details of the shop drawings of various kinds of extra-low voltage installations of buildings</p> <ul style="list-style-type: none"> ◆ Understand the basic organization of various kinds of extra-low voltage installations of buildings such as: <ul style="list-style-type: none"> • Security system • Intercom system • CCTV • Public antenna • Satellite TV ◆ Understand the wiring system and connection of various kinds of extra-low voltage installations of buildings ◆ Understand the wiring arrangement of extra-low voltage installations ◆ Understand the power supply of extra-low voltage installations ◆ Understand the details of the shop drawings various kinds of extra-low voltage installations of buildings such as: <ul style="list-style-type: none"> • Circuit diagram • Wiring diagram • Assembly diagram • Layout plan <p>6.2 Master the basic design concept and key points of various kinds of extra-low voltage installations of buildings according to the details of shop drawings</p> <ul style="list-style-type: none"> ◆ Master the basic structure, wiring arrangement and wiring system of various kinds of extra-low voltage installations of buildings ◆ Master the power supply of extra-low voltage installations ◆ Master the content and key points of the shop drawings various kinds of extra-low voltage installations of buildings
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to understand the basic design concept of various kinds of extra-low voltage installations of buildings; and</p> <p>(ii) Capable to master the details of the shop drawings of various kinds of extra-low voltage installations of buildings, to receive and convey instructions on, and perform installation tasks for various kinds of extra-low voltage installations of buildings under instruction.</p>
8. Remarks	