

1. Title	Draw simple engineering drawings of fire service installations
2. Code	EMFSDE204A
3. Range	Draw simple engineering drawings of fire service installations, at design offices, drawing rooms or work sites, according to instructions.
4. Level	2
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Know about the production of engineering drawings of fire service installations</p> <ul style="list-style-type: none"> ◆ Understand the information included in schematic drawings of fire service installations, such as drawing list, building floor plan, abbreviations, symbol and explanatory note ◆ Understand the types and details of engineering drawings of fire service installations, and the basic production of drawings, including: <ul style="list-style-type: none"> • Layout plan • Vertical system schematic diagram • Electrical power and control wiring diagrams ◆ Understand the conventions and standards for production of engineering drawings of fire service installations <p>6.2 Draw simple engineering drawings of fire service installations</p> <ul style="list-style-type: none"> ◆ Master the basic procedures and methods of producing engineering drawings of fire service installations ◆ Use standard drawing symbols and, according to instructions, draw simple fire service layout plans, vertical system schematic diagram and electrical power and control wiring diagrams, with the inclusion of information like equipment position, size and type, and wiring and conduit path ◆ Draw simple assembly drawings under supervision ◆ Modify simple engineering drawings of fire service installations according to instructions <p>6.3 Professionalism in production of engineering drawings of fire service installations</p> <ul style="list-style-type: none"> ◆ Draw simple engineering drawings of fire service installations according to trade standards ◆ Undertake the production of engineering drawings of fire service installations according to legal requirements and relevant codes of practice
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to undertake the production of simple engineering drawings of fire service installations effectively, according to guidelines, including layout plans, electrical power and control wiring diagrams and simple assembly drawings.</p>
8. Remarks	This unit of competency is applicable to practitioners who are engaged in the design, installation, operation, repair, maintenance and project management of general fire service installations.