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| 1. Title | Implement electrical wiring of lift | |
| 2. Code | EMLEIN309A | |
| 3. Range | Arrange and implement the installation of electrical wiring of lift at construction sites. | |
| 4. Level | 3 | |
| 5. Credit | 3 | |
| 6. Competency | <p style="text-align: center;"><u>Performance Requirements</u></p> <div> <div> 6.1 Principles of electrical wiring of lift </div> <div> <ul style="list-style-type: none"> ◆ Understand electrical wiring drawings including: <ul style="list-style-type: none"> • electrical drawing of lift machine room • electrical drawing of lift floor • electrical drawing of lift well • electrical drawing of lift pit • electrical drawing of lift car ◆ Understand and apply the drawings to formulate the whole set of electrical installation work ◆ Understand the basic requirements and relevant standards for electrical wiring including: <ul style="list-style-type: none"> • types and identification of wires • wire terminal connection method • wire insulation and continuity test </div> </div> <div> <div> 6.2 Methods and procedures for electrical wiring of lift </div> <div> <ul style="list-style-type: none"> ◆ Formulate and implement the whole set of electrical wiring procedures including: <ul style="list-style-type: none"> • electrical installations in lift machine room • electrical installations in lift landing • electrical installations in lift well • electrical installations in lift pit • electrical installations in lift car ◆ Know the electrical wiring techniques including: <ul style="list-style-type: none"> • identification of wires • symbols and markings on the wires • wire laying technique • wire terminal connection ◆ Implement wire insulation and continuity test ◆ Effectively use electrical installation tools and general testing instruments </div> </div> | |

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| | <p>6.3 Professionalism in electrical wiring of lift</p> <ul style="list-style-type: none"> ◆ Follow working drawing's instructions to carry out electrical wiring ◆ Understand safety guidelines and code of practice for lifts and Code of Practice for the Electricity (Wiring) Regulations in order to perform electrical wiring |
| 7. Assessment Criteria | <p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to formulate the whole set of electrical wiring procedures according to drawings; and (ii) Capable to systematically and effectively arrange and implement the installation of electrical wiring. |
| 8. Remarks | <p>The credit value of this unit of competency is set on the presumption that the person already possesses the ability in installing lift electrical conduits and trunkings.</p> |