

5. Design, Installation, Inspection and Maintenance of Exit Signs and Directional Signs

5.1. Design/Specification and Submittals

- 5.1.1.** Design, Specifications and Submittals to Civil Defence for approval shall be main consultants responsibility. Consultant shall have competent and knowledgeable personnel to understand the Civil Defence requirements and codes and standards.
- 5.1.2.** Design submittals shall be complete with appropriate selection of Emergency lighting system, design calculations showing the spacing criteria from manufacturer, lumen output and spacing software printouts, location of emergency lighting units and layouts.
- 5.1.3.** Consultant proposal shall comply with manufacturer's specifications and this chapter.

5.2. Installation

- 5.2.1.** Installation of Emergency Lighting Systems shall be carried out only by Civil Defence approved and licensed contractors. General contractors, MEP Contractors, Electrical contractors, BMS Contractors, Home automation Contractors, Fit out contractors shall not be allowed to install Emergency Lighting Systems.
- 5.2.2.** Installation contractor qualification and approval from Civil Defence is based on their training from respective system manufacturers, experience, understanding of codes and standards and workmanship.
- 5.2.3.** Installation contractors shall apply to Civil Defence and secure passing marks in Civil Defence examination to gain license and be qualified as "approved Emergency Lighting Systems contractors".
- 5.2.4.** Installation contractor shall not commence work on site without receiving Civil Defence stamped and approved drawings from the Consultant.
- 5.2.5.** It is contractors responsibility to adhere to consultant's Civil Defence approved drawings, Manufacturer's installation guidelines and specifications along with the requirements of this chapter.

5.3. Inspection and Acceptance

- 5.3.1.** Inspection and acceptance shall be main consultant's responsibility.
- 5.3.2.** Main consultant shall inspect contractor work during installations and ensure that Emergency Lighting locations and actual lux available on floor is as per approved drawings and calculations.
- 5.3.3.** Consultant shall handover system inspection report, maintenance manuals to the owner.

5.4.. Inspection and Maintenance

- 5.4.1.** The building owner, his appointed representative and the facility management shall be responsible to ensure that the Emergency lighting system is inspected regularly and maintained to ensure its good working condition.