

5. Design, Installation, Inspection and Maintenance of Fire Protection Systems

5.1. Design/Specification and Submittals

- 5.1.1.** Design, Specifications and Submittals to Civil Defence for approval shall be the main consultant's responsibility. The consultant shall have competent and knowledgeable personnel to understand the Civil Defence requirements and codes and standards.
- 5.1.2.** The design submittals shall be complete with system hydraulic calculations, design criteria, appropriate selection of types of systems and their components, in compliance with this code.

5.2. Installation

- 5.2.1.** The installation of Fire Protection Systems shall be carried out only by Civil Defence approved and licensed contractors. general contractors, MEP contractors and plumbing contractors shall not be allowed to install fire protection systems.
- 5.2.2.** The qualification and approval of the installation by Civil Defence is based on their training from the respective system manufacturers, their experience and their 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 the license and be qualified as "approved fire contractors".
- 5.2.4.** The installation contractor shall not commence work on site without receiving the Civil Defence stamped and approved drawings from the Consultant.
- 5.2.5.** It is the contractors responsibility to adhere to consultant's Civil Defence approved drawings and specifications.

5.3. Inspection and Acceptance

- 5.3.1.** Inspection and acceptance shall be the main consultant's responsibility.
- 5.3.2.** The main consultant shall inspect the contractor's work during installations and ensure that all systems are installed, tested, commissioned and performing as per the Civil Defence approved drawings and their intended purpose.
- 5.3.3.** The consultant shall handover the system inspection and acceptance reports and the 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 all the Fire Protection Systems in the facility are inspected regularly, maintained and repaired to serve their intended purpose during emergencies.