



4. FIRE AND LIFE SAFETY SYSTEMS

Table A.2.4: FAQ– Fire and Life Safety Systems

QUESTION	ANSWER
10. Where can landing valves be installed in a building?	i. The landing valves shall be installed in a fire hose cabinet located at exit corridors within 6 m of the exit stairs and fire lift lobbies, if any.
11. What is the length of coverage for one landing valve ?	i. 30 m is the maximum acceptable coverage of a landing valve.
12. What is the height requirement to install a portable fire extinguisher?	i. The wall mount type portable fire extinguishers shall be installed in such a way that the top of the fire extinguisher is not more than 1.5 meters above the floor and not less than 30 cm from the bottom of extinguisher to the finished floor
13. Where shall emergency lights be provided?	i. For all buildings except for One-and-Two-Family Dwelling, emergency lighting shall be provided.
14. What is the required lux level of emergency lights?	i. Emergency lighting facilities shall be arranged to provide initial illumination that is not less than an average of 1 ft-candle (10.8 lux) and, at any point, not less than 0.1 ft-candle (1.1 lux), measured along the path of egress at floor level.
15. What type of occupancies require central battery system?	i. The emergency lighting system shall be either Central Battery system or monitored type self contained emergency lighting system which is diagnostic type and shall be automatically monitored and tested through the control unit.
16. What type of occupancies require emergency voice evacuation and communication system?	i. Super highrise buildings ii. Highrise buildings iii. Malls iv. Assembly occupancies v. Amusement and theme parks vi. Educational occupancies vii. Hotel occupancies viii. Detention and correctional occupancies ix. Storage and industrial occupancies having built-up area more than 5000 m ²
17. In what location are speakers with flashers required?	i. Speakers with flashers (strobe lights) shall be provided for basement car parks, mechanical or machine rooms, large machining areas of factories (more than 5000m ²) and at locations where the ambient noise level is 75db or more.
18. What is the fire rating requirement for fire alarm and emergency communication cables?	i. 2 hour fire rated cable or 2 hour fire rated dedicated enclosure/shaft.