



4. FIRE AND LIFE SAFETY SYSTEMS

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

QUESTION	ANSWER
1. At what level shall the fire pump be installed within the building?	i. Fire pumps shall be located on the ground floor along the fire access way or any below grade levels of the building with protected dedicated access from the fire access level.
2. At what level shall the intermediate fire pumps and water tanks be located for high-rise buildings?	i. Multilevel pump sets are not required in highrise buildings, unless they are Superhighrise buildings. Superhighrise buildings where multi-level pump sets are required, fire pumps and water tanks shall be located at not more than 90 m intervals from the first fire pump located at fire access level or the lower levels of the structure.
3. What is a breeching inlet	i. A connection through which the Civil Defence fire department can pump supplemental water into the sprinkler system, standpipe, or other system, furnishing water for fire extinguishment to supplement existing water supplies.
4. What is a landing valve	i. A 65 mm diameter water outlet normally located near the staircase in a Fire Hose Cabinet for trained or Civil Defence fire fighters to use during fire.
5. What is the maximum distance allowed between the edge of a fire engine access way and the breeching inlet	i. Buildings fitted with standpipes and automatic sprinkler system shall have fire access ways for pumping appliances within 18 m of the breeching inlet. The breeching inlets shall be visible from the access ways.
6. What is the spacing requirement for private fire hydrants along fire engine access way and access road	i. Spacing between Private Hydrants along Fire Engine access way shall be as follows. a. Occupancies other than storage and industrial shall be 120 m. b. Light and Ordinary hazard Storage/Industrial occupancies shall be 100 m. c. High Hazard storage and industrial occupancies shall be 60 m. d. Logistics warehouse and Waste dumping lands shall be 60 m.
7. What is the minimum flow rate for each private fire hydrant	i. Minimum flow rate for each Private fire hydrant shall be 500 Gallons per Minute.
8. What is the minimum pressure required for fire hydrant?	i. Minimum Pressure required for Private fire hydrant is 6.9 bars
9. What is the minimum duration of fire fighting water supply for private fire hydrant	i. Private Fire Hydrant Water supply for hazards other than high hazard occupancy shall be as per Chapter 9. ii. Private Fire Hydrant Water supply for high hazard occupancies shall be for 2 hours.