



## 4. FIRE AND LIFE SAFETY SYSTEMS

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

QUESTION	ANSWER
19. At what level above the ground for raised floors to have smoke detectors within the concealed space?	i. For raised floors 300 mm and above the floor level and/or containing combustible materials shall be provided with smoke detectors.
20. At what height between the suspended ceiling and the ceiling level a smoke detector to be provided?	i. For suspended ceilings which are at or more than 800mm from the ceiling level and/or containing combustible materials, smoke detectors shall be provided.
21. At what height between the suspended ceiling and the ceiling level a sprinkler to be provided?	i. For suspended ceilings which contain combustible materials, sprinkler heads shall be provided.
22. Can alarm notification speakers be used as mass notification speakers?	i. Speakers used as alarm notification appliances on fire alarm systems shall also be permitted to be used for mass notification systems.
23. What do you mean by a “fire pump set”?	i. The fire pump set for any water based suppression system including fire hydrants shall consists each of the following: <ul style="list-style-type: none"> <li>• Main Electric Pump</li> <li>• Standby Diesel driven Pump</li> <li>• Electric Jockey Pump</li> <li>• Pump controllers</li> <li>• Ancillary valves and fittings</li> </ul>
24. What is the temperature and fire rating of smoke exhaust or extract fans?	i. Smoke Exhaust or extract fans shall be capable of operating effectively at 400°C for 2 hours.
25. What is the minimum distance between air intakes and any exhaust discharge openings?	i. Openings for the intakes of outdoor air to all air handling systems, mechanical ventilation systems, pressurization systems of exit staircases and internal corridors, and smoke control systems shall be no less than 5m from any exhaust discharge openings.
26. What is the type of approved material to be used for the construction of ceiling plenum to be used for smoke extract?	i. Materials used in the construction of a ceiling plenum shall be noncombustible or shall be limited combustible having a flame spread index of not more than 25 and a maximum smoke developed index of 50.