

**Table 8.13: Application of Fire Detection and Alarm System**

BUILDING / OCCUPANCY	APPLICABLE FIRE DETECTION AND ALARM SYSTEMS
<b>15. EDUCATION BUILDINGS</b>	<ul style="list-style-type: none"> <li>i. Smoke Detection and Alarm System shall be provided throughout the building as per <b>Section 4.3</b>.</li> <li>ii. Auditoriums, Gymnasiums, Cafeteria, Laboratories and indoor swimming pools shall be provided with Heat Detection System as per <b>Section 4.6</b>.</li> <li>iii. Fire Pump, all building fire suppression systems, Fire Water Level, LP Gas detection, CO Monitoring and other interconnected systems like door release, Elevator recall, Smoke Control etc. shall be interfaced with Fire Detection and Alarm System, based on building fire strategy, as per <b>Section 4.1</b>.</li> <li>iv. Auxiliary Rooms and Spaces Fire Detection and Alarm System as per <b>Table 8.14</b>, and Equipment s Fire Detection and Alarm System as per <b>Table 8.15</b>, shall be provided.</li> <li>v. Main FACP shall be located at the continuously attended location such as Emergency Command Centre or Reception or Security guard house, as per the building fire strategy.</li> <li>vi. An annunciator panel shall be located inside the Principal's office.</li> <li>vii. A total evacuation alarm initiating switch shall be provided at the Principal's office, in addition to the emergency evacuation public address system. Positive Alarm Sequence (Positive Alarm Delay) as per <b>Table 8.1.14.2</b>, shall be followed.</li> <li>viii. Student recall signal shall be distinct from fire alarm or any other signal.</li> <li>ix. Manual Call points shall be permitted to be enclosed with listed cover box.</li> </ul>
<b>16. HEALTHCARE BUILDINGS</b>	<ul style="list-style-type: none"> <li>i. Smoke Detection and Alarm System shall be provided throughout the building as per <b>Section 4.3</b>.</li> <li>ii. Fire Pump, all building fire suppression systems, Fire Water Level, LP Gas detection, CO Monitoring and other interconnected systems like door release, Elevator recall, Smoke Control etc. shall be interfaced with Fire Detection and Alarm System, based on building fire strategy, as per <b>Section 4.1</b>.</li> <li>iii. Auxiliary Rooms and Spaces Fire Detection and Alarm System as per <b>Table 8.14</b>, and Equipment s Fire Detection and Alarm System as per <b>Table 8.15</b>, shall be provided.</li> <li>iv. Main FACP shall be located at the continuously attended location such as Emergency Command Centre or Reception or Security guard house, as per the building fire strategy.</li> <li>v. Additional annunciators shall be located at nurse stations strategically throughout the facility.</li> <li>vi. General Fire Alarm shall not trigger evacuation alarm and interconnected systems such as elevator recall, HVAC Shutdown, door release operations etc. in the facility.</li> <li>vii. Nurse stations /Staff areas shall be provided with evacuation alarm initiating bush button or switch within 61 m from the nurse station.</li> <li>viii. Positive Alarm Sequence (Positive Alarm Delay) as per <b>Table 8.1.14.2</b>, shall be followed.</li> <li>ix. Activation of the nurse evacuation push button shall trigger evacuation alarm and interconnected systems such as elevator recall, HVAC Shutdown, door release operations etc. as per building fire strategy.</li> <li>x. In critical care areas, such as operation theatres, ICU's, in lieu of audible notification devices, visual notification devices shall be permitted.</li> <li>xi. The Fire Alarm zoning shall coincide with building smoke compartment s or zones.</li> </ul>