

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

BUILDING / OCCUPANCY	APPLICABLE FIRE DETECTION AND ALARM SYSTEMS
<b>3. MIDRISE BUILDINGS</b>  <b>4. LOWRISE 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. 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>iv. Positive Alarm Sequence (Positive Alarm Delay) as per <b>Table 8.1.14.2</b>, shall be followed. If the Fire Detection Alarm is not silenced by authorized personnel or FACP is not reset or multiple alarms are triggered from other initiating devices within 180 seconds, then the entire building shall have evacuation alarm.</li> </ul>
<b>9. ASSEMBLY BUILDINGS</b>  <b>10. BUSINESS BUILDINGS</b>  <b>11. RESIDENTIAL BUILDINGS</b>  <b>12. DAY CARE BUILDINGS</b>  <b>13. MERCANTILE</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. Positive Alarm Sequence (Positive Alarm Delay) as per <b>Table 8.1.14.2</b>, shall be followed. If the general Fire alarm is not silenced by authorized personnel or FACP is not reset or multiple alarms are triggered from other initiating devices within 180 seconds, evacuation fire alarm shall be triggered throughout.</li> </ul>
<b>14. EXISTING PRIVATE VILLAS (G+1) CONVERTED TO</b>  <b>NURSERIES,</b> <b>DAY CARE CENTERS,</b> <b>RESTAURANTS,</b> <b>SHOW ROOMS,</b> <b>BOUTIQUES,</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> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li>i. Wireless /Low powered radio frequency based Fire Detection and Alarm System shall be provided in each villa <b>as per Section 4.11.</b></li> <li>ii. 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>iii. Main FACP OR the cluster radio HUB shall be located at the continuously attended location such as reception or Security guard house.</li> <li>iv. Each villa shall be provided with audio visual notification devices outside such that notification devices are visible from the common approach road.</li> </ul>