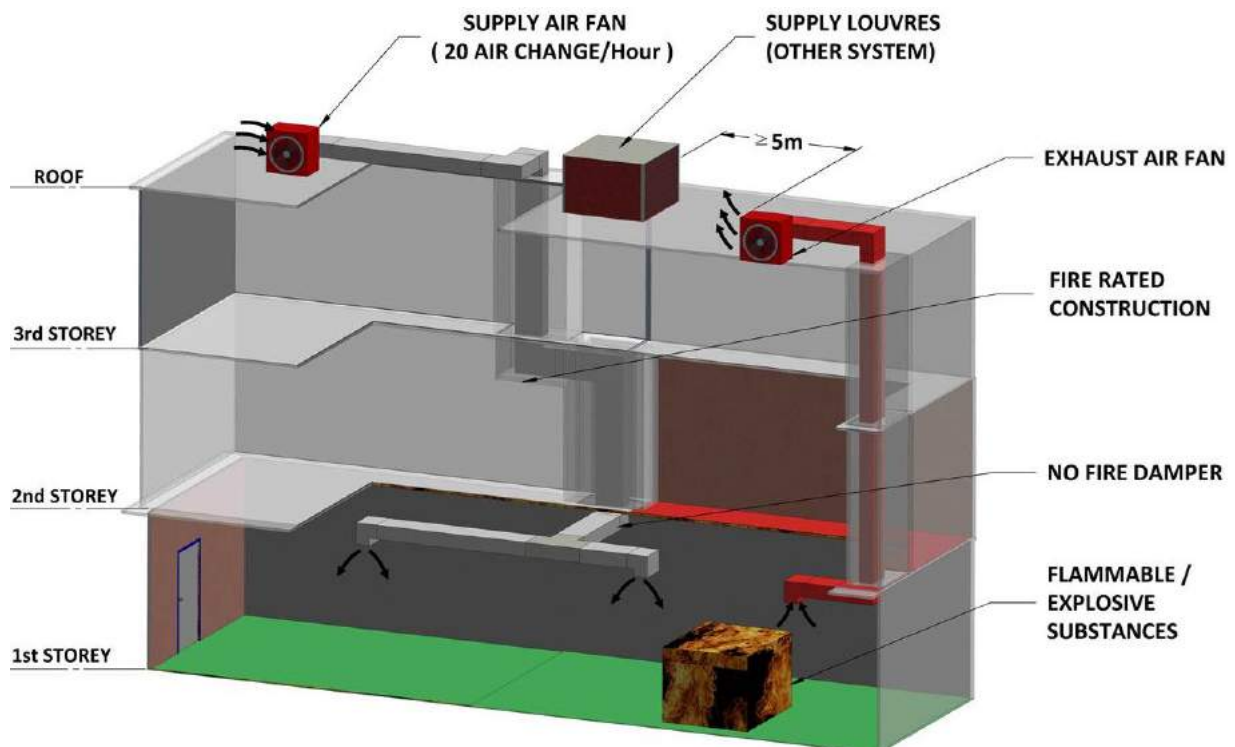


**Table 10.18.: Ventilation for Rooms with Hazardous and Flammable Material**

ITEMS	REQUIREMENTS
<b>6. CONTROLS</b>	<ul style="list-style-type: none"> <li>i. The fire Detection and Alarm system shall not be interlocked with ventilation system to shutdown air-moving devices.</li> <li>ii. Where the shutdown is necessary for the effective operation of an automatic extinguishing system, the fire detection and alarm system shall be permitted to be inter-locked to shutdown air moving devices.</li> <li>iii. The mechanical ventilation shall be provided with an annunciation system to monitor and annunciate the failure of ventilation system.</li> <li>iv. A suitable gas or vapour detector shall be installed at strategic locations. They shall be set at <ul style="list-style-type: none"> <li>a. 25% of LFL/LEL to annunciate and switch of all automatic operations within the area (if any).</li> <li>b. 50% of LFL/LEL to start the ventilation system.</li> </ul> </li> </ul>
<b>4. STAND BY FAN</b>	<ul style="list-style-type: none"> <li>i. Back-up (Stand-by) fans shall not be required for ventilation systems.</li> </ul>
<b>4. STAND BY POWER</b>	<ul style="list-style-type: none"> <li>i. The ventilation system fan shall be provided with an emergency power.</li> </ul>



**Schematic 10.38.: Ventilation for Flammable storage rooms**