

Table 10.3.: General Requirements for Smoke Control Systems

ITEMS	REQUIREMENTS
4. MINIMUM DESIGN SMOKE LAYER DEPTH	<ul style="list-style-type: none"> <li>i. The minimum design depth of the smoke layer for a smoke management system shall be either of the following: <ul style="list-style-type: none"> <li>a. Twenty percent of the floor-to-ceiling height</li> <li>b. Based on an engineering analysis</li> </ul> </li> <li>ii. The design smoke layer base shall be above the heads of people escaping beneath it. The minimum height shall be 1830 mm. See Figure 10.11. for illustrations.</li> <li>iii. Smoke reservoirs to prevent the lateral spread of smoke and to collect smoke for removal shall be approved smoke curtains or screens of non-combustible construction capable of withstanding smoke temperatures. See Figure 10.12. for illustrations.</li> </ul>

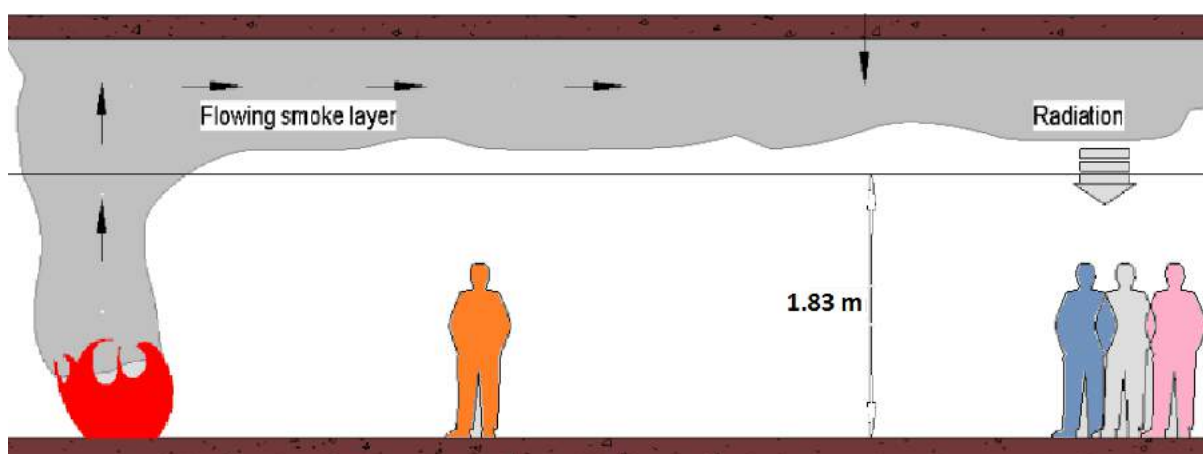


Figure 10.11: Clear smoke layer

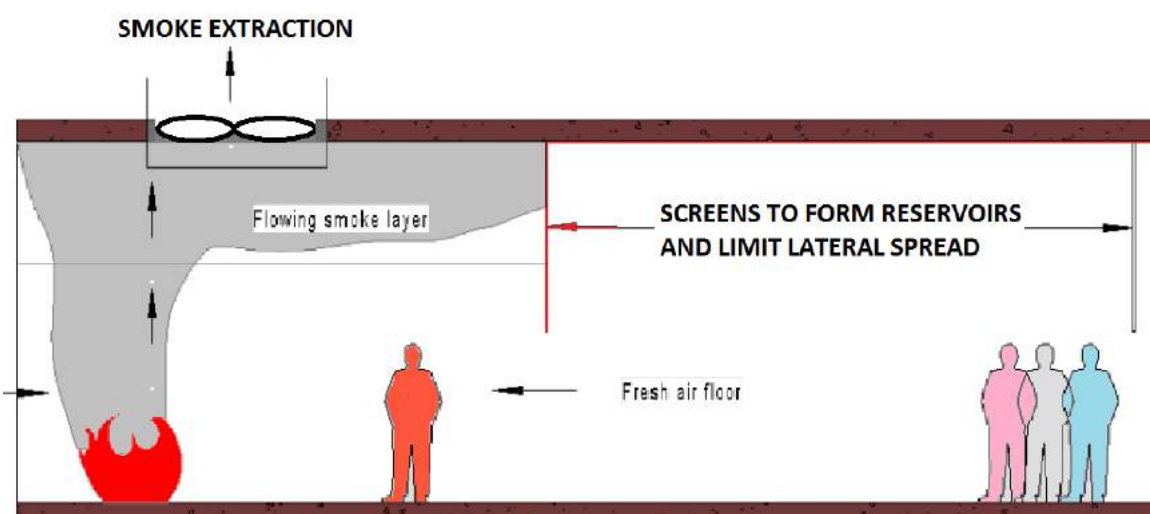


Figure 10.12.: Smoke reservoir