Table 10.5.: Atrium and Large Volume Smoke Control System

ITEMS	REQUIREMENTS
4. CAPACITY OF FANS	i. The capacity of an engineered smoke control system shall be capable of handling the largest demand for smoke exhaust from the worst case scenario. In **Figure 10.18.,** for example, the smoke is originating from the first level, directly below the exhaust openings. ii. Another example of the worst case scenario at atrium. In **Figure 10.19.,** for example, the smoke is originating from the second level and with protruded obstructions from upper levels. iii. Adequate arrangement(s) shall be made in each smoke reservoir for the removal of smoke in a way that will prevent the formation of stagnant regions. See **Figure 10.20.** for illustrations.

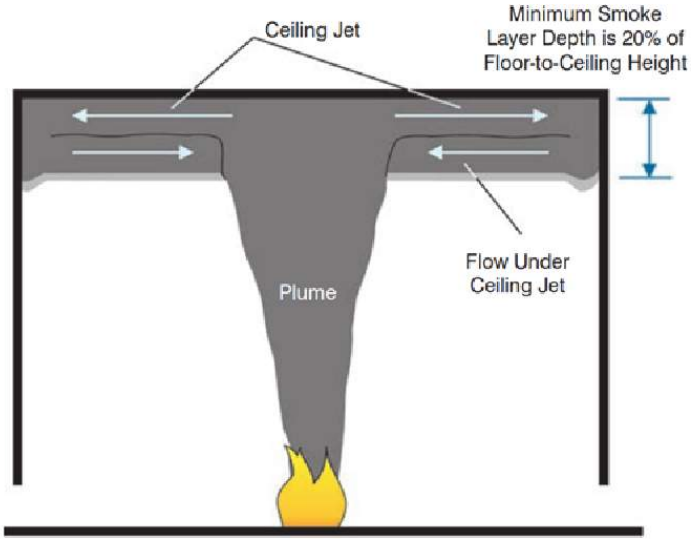

Figure 10.17.: Minimum Smoke Layer Depth, 20% of volume height

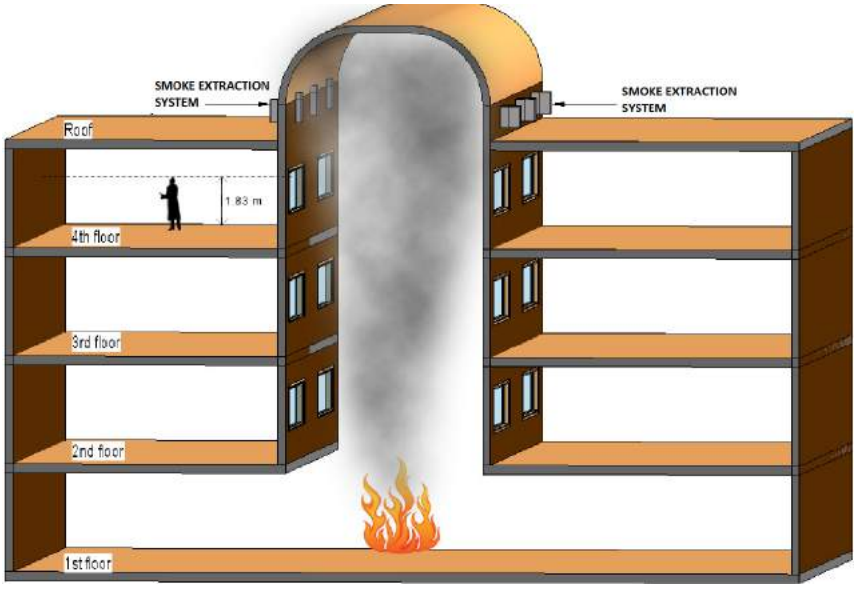

Figure 10.18.: Scenario A – Fire origin at lowest Atrium level