

Table 10.1.: Components of Smoke Control and HVAC Systems

ITEMS	REQUIREMENTS
4. PLENUM	<ul style="list-style-type: none"> i. A concealed space between the ceiling and floor above it, ceiling and roof, or raised floor and structural floor of a building, where fully sprinklered, may be used as a plenum for smoke control systems provided that the concealed space contains only <ul style="list-style-type: none"> a. Mineral-insulated metal-sheathed cable b. Aluminum-sheathed cable c. Copper-sheathed cable d. Rigid metal conduit e. Enclosed metal trunk f. Flexible metal conduit g. Liquid-tight flexible metal conduit in lengths not more than 2 m h. Metal-clad cables i. Communication cables for Telecom, computers, television, telephones j. Fire protection metal piping installations k. Pipes of non-combustible material conveying non-flammable liquids. ii. The supports for the ceiling membrane shall be of non-combustible material. See Figure 10.5. and Figure 10.6. for illustrations. iii. Plenums shall not be used for occupancy or storage.

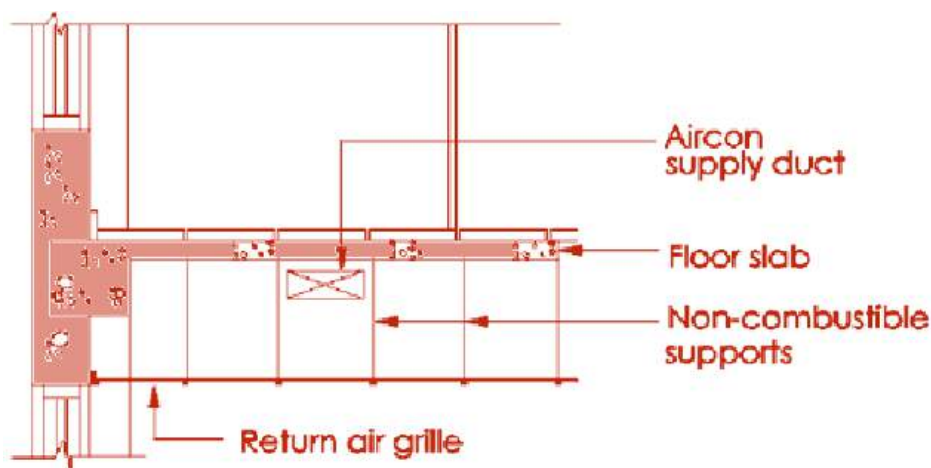


Figure 10.5.: Return Air Plenum in ceiling space

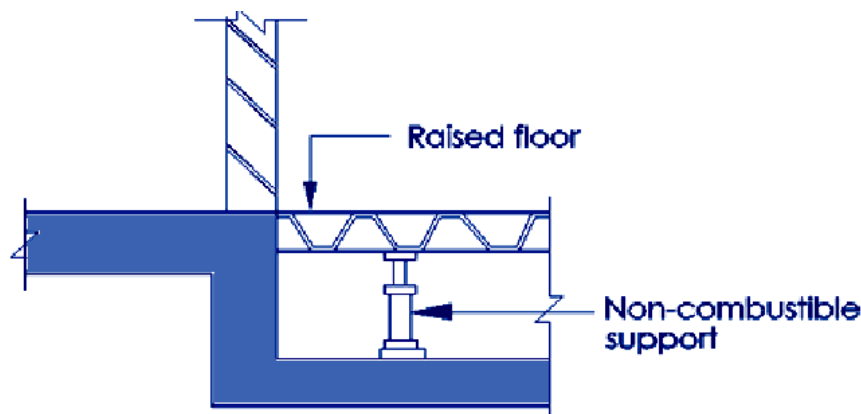


Figure 10.6.: Return Air Plenum under raised floor.