

Table 10.1.: Components of Smoke Control and HVAC Systems

ITEMS	REQUIREMENTS
3. DUCTS	<p>2. SMOKE CONTROL SYSTEM DUCTS</p> <ul style="list-style-type: none"> i. Ductwork for Smoke Control Systems (both exhaust and make-up air ducts) shall be of at least 1 hour fire resistance rated in sprinklered buildings and 2 hour fire resistance rated in non sprinklered buildings, approved and listed in accordance with Section 6.1.12. ii. Where a duct passes through other fire compartments of higher rating, the duct shall be constructed to have the same rating of that compartment. The rating shall apply to fire exposure from both interior and exterior of the duct or structure. iii. Such fire rating of smoke control system ducts shall be evaluated and approved for fire rating as well as for Stability, Integrity and Insulation Criteria for fire rating. iv. The complete duct system including supports, hangers, joints, gaskets, sealant etc. shall be tested as assembly and in compliance with the approved test standards, in accordance with Section 6.

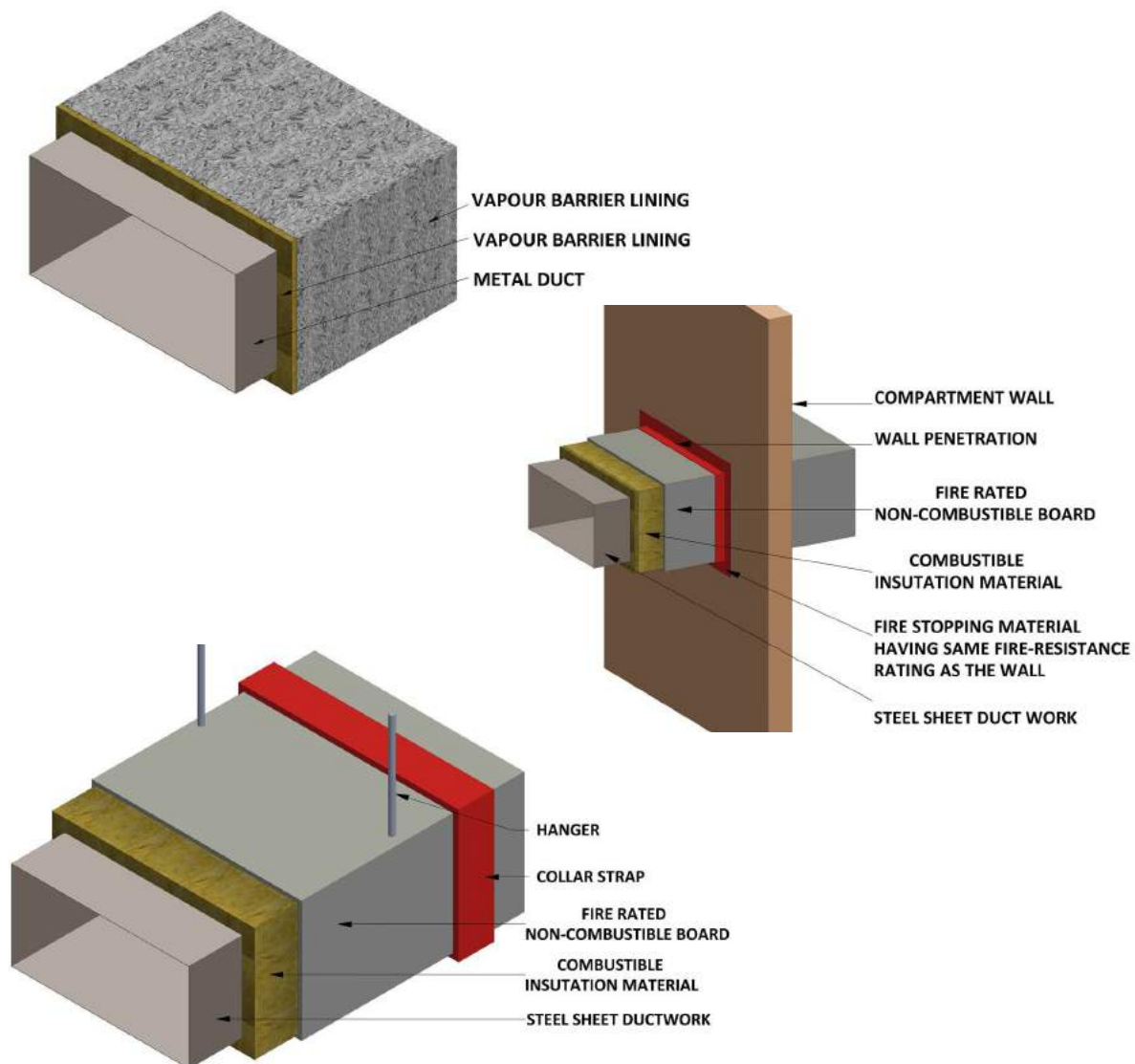


Figure 10.1.: Duct Construction and Duct Penetration through walls