

Table 9.20.b. : Midrise Building Fire Protection Systems

PRE DOMINANT OCCUPANCY	SYSTEM REQUIREMENTS	COMBINED FIRE PUMP SET AND FIRE WATER TANK CAPACITIES
A. RESIDENTIAL GROUP A, B, C. (APARTMENTS, LABOR ACCOMMODATION, STAFF ACCOMMODATION, HOSTEL) B. HEALTHCARE GROUP B, C. C. MERCANTILE GROUP C (KIOSKS) D. BUSINESS GROUP A, B, C. E. ANIMAL HOUSING GROUP A, B, C.	4. IF PLOT AREA IS MORE THAN 20,000 m² i. Yard Fire Hydrants shall be provided as per Section 3.11. ii. Yard hydrants shall not be required where infrastructure yard hydrants are available within 60 m of such building. In this scenario, requirements of Table 9.20.b.3. shall apply. iii. Sprinklers shall be provided throughout the building including base-ments and podiums (open as well as closed) as per Section 3.5. in accordance with Table 9.20.b.1., 2., or 3., as applicable. iv. A wet riser System or hose reel system shall be provided throughout the building in accordance with Table 9.20.b.1., 2., or 3., as applicable. v. Auxiliary rooms and various areas of the building shall be protected as per Table 9.30.	4. IF PLOT AREA IS MORE THAN 20,000 m² vi. Where a fire pump set is combined and serves yard hydrants and internal building systems, the combined fire pump capacity shall be 1000 gpm. vii. Where fire pumpset independently serves only the yard fire hydrants, pump capacity shall be 1000 gpm. viii. Fire water tank shall have capacity of 60 minutes of operation, complete with low water level detection, dedicated direct breeching inlet and instantaneous refilling arrangement.