

#### 4.4. Midrise Building Fire Protection Systems

- 4.4.3.** Midrise buildings having a building height from more than 15 m to less than 23 m and having a single exit stair and built-up ground floor area of up to 500 m<sup>2</sup> shall be provided with Fire protection Systems in compliance with **Table 9.20.c.**, and Auxiliary Rooms Fire Protection Systems as per **Table 9.30.**

**Table 9.20.c.: Midrise Building Fire Protection Systems**

PREDOMINANT OCCUPANCY	SYSTEM REQUIREMENTS	COMBINED FIRE PUMP SET AND FIRE WATER TANK CAPACITIES
<p><b>A. RESIDENTIAL GROUP A, B, C.</b></p> <p>(APARTMENTS, LABOR ACCOMMODATION, STAFF ACCOMMODATION, HOSTEL )</p> <p>HAVING GROUND FLOOR BUILT-UP AREA OF UPTO 500 m<sup>2</sup> AND A SINGLE EXIT STAIR</p>	<p><b>1. IF BUILT-UP GROUND FLOOR AREA IS UPTO 500 M<sup>2</sup> AND A SINGLE EXIT STAIR</b></p> <ul style="list-style-type: none"> <li>i. Sprinklers shall be provided throughout the building including basements and podiums (open as well as closed) as per <b>Section 3.5.</b></li> <li>ii. A wet riser System shall be provided throughout the building as per <b>Section 3.4.</b></li> <li>iii. Wet risers shall be interconnected at the highest level.</li> <li>iv. Auxiliary rooms and various areas of the building shall be protected as per <b>Table 9.30.</b></li> </ul>	<p><b>1. IF BUILT-UP GROUND FLOOR AREA IS UPTO 500 M<sup>2</sup> AND A SINGLE EXIT STAIR</b></p> <ul style="list-style-type: none"> <li>v. Capacity of the fire pump set shall be 500 gpm at pressure as required to satisfy 6.9 bar at the most remote Landing valve.</li> <li>vi. Water tank shall have capacity of 45 minutes of operation, complete with low water level detection, dedicated direct breaching inlet for refilling and instantaneous refilling arrangement for utility water supply.</li> </ul>
<p><b>B. BUSINESS GROUP A, B, C.</b></p> <p>HAVING GROUND FLOOR BUILT-UP AREA OF UPTO 500 m<sup>2</sup> AND A SINGLE EXIT STAIR</p>		
<p><b>C. ANIMAL HOUSING GROUP A, B, C.</b></p> <p>HAVING GROUND FLOOR BUILT-UP AREA OF UPTO 500 m<sup>2</sup> AND A SINGLE EXIT STAIR</p>		