

**Table 9.24.: Parking Facility Fire Protection Systems**

OCCUPAN- CY	SYSTEM REQUIREMENTS	FIRE PUMP AND FIRE WATER TANK CA- PACITIES
<b>D. PARKING GROUP C COVERED / SHADED PARKING</b>  <b>HAVING ONE LEVEL ONLY</b>	<b><u>1. IF COVERED/SHADED PARKING AREA IS 3600 m<sup>2</sup> TO LESS THAN 20,000 m<sup>2</sup></u></b>  i. Hose Reel System shall be provided throughout the building as per <b>Section 3.3.</b> ii. Dry riser shall not be required.	<b><u>1. IF COVERED/SHADED PARKING AREA IS 3600 m<sup>2</sup> TO LESS THAN 20,000 m<sup>2</sup></u></b>  iii. The capacity of the fire pump set shall be 50 gpm at a pressure as required to satisfy 4.5 bar at the most remote Hose reel outlet valve. iv. The water tank shall have capacity of 60 minutes of operation, complete with low water level detection and instantaneous refilling arrangement.
	<b><u>2. IF COVERED/SHADED PARKING AREA IS MORE THAN 20,000 m<sup>2</sup></u></b>  i. Yard Fire Hydrants shall be provided as per <b>Section 3.11.</b> , in a loop to cover the entire development. Where yard hydrants are provided, hose reel system shall not be required. ii. Yard hydrants or hose reel system shall not be required where infrastructure yard hydrants are available within 60 m of every exterior part of the structure.	<b><u>2. IF COVERED/SHADED PARKING AREA IS MORE THAN 20,000 m<sup>2</sup></u></b>  iii. The fire pump set capacity shall be 1000 gpm. iv. 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