

Table 9.27.: Storage, Warehouse and Industrial Fire Protection Systems		
PREDOMI- NANT OCCUPANCY	SYSTEM REQUIREMENTS	COMBINED FIRE PUMP SET AND FIRE WATER TANK CAPACITIES
O. WAREHOUSE ROLLED PAPER	1. IF TOTAL BUILT-UP FLOOR AREA OF THE COMPARTMENT IS LESS THAN 230 m ²	1. IF TOTAL BUILT-UP FLOOR AREA OF THE COMPARTMENT IS LESS THAN 230 m ²
ROLLED PAPER	 i. Hose Reel System shall be provided throughout the building as per Section 3.3. ii. Dry landing valves and risers shall not be required. 	iii. The fire pump capacity shall be 50 gpm at a pressure of 4.5 bar available at the remote Hose reel valve.
	2. IF TOTAL BUILT-UP FLOOR AREA OF THE COMPARTMENT IS 230 m ² —900 m ²	2. IF TOTAL BUILT-UP FLOOR AREA OF THE COMPARTMENT IS 230 m ² —900 m ²
	 i. Sprinklers shall be provided throughout the facility as per Section 3.5. ii. The sprinkler design density shall be as per storage height and storage arrangement, in accordance with Table 9.7.GG. iii. Hose Reel System shall be provided throughout the building as per Section 3.3. Dry landing valves are not required. 	 iv. The capacity of the fire pump set shall be as per storage height and storage arrangement, in accordance with Table 9.7.GG. at a pressure as required to satisfy 4.5 bar at the most remote Hose reel valve. v. The water tank shall have a capacity of 60 minutes of operation, complete with low water level detection and instantaneous refilling arrangement.
	3. IF TOTAL BUILT-UP FLOOR AREA IS 901 m ² - 3600 m ²	3. IF TOTAL BUILT-UP FLOOR AREA IS 901 m ² - 3600 m ²
	 i. Sprinklers shall be provided throughout the facility as per Section 3.5. ii. The sprinkler design density shall be as per storage height and storage arrangement, in accordance with Table 9.7.GG. iii. Hose Reel System shall be provided throughout the building as per Section 3.3. Dry landing valves are not required 	 iv. The capacity of the fire pump set shall be as per storage height and storage arrangement, in accordance with Table 9.7.GG. at a pressure as required to satisfy 4.5 bar at the most remote hose reel valve. v. The water tank shall have a capacity of 90 minutes of operation, complete with low water level detection, direct breeching inlet and instantaneous refilling arrangement.
	4. IF SUM OF ALL GROUND FLOOR BUILT-UP AREAS IS MORE THAN 3600 m ²	4. IF SUM OF ALL GROUND FLOOR BUILT -UP AREAS IS MORE THAN 3600 m ²
	 i. Sprinklers shall be provided throughout the facility as per Section 3.5. ii. The sprinkler design density shall be as per storage height and storage arrangement, in accordance with Table 9.7.GG. iii. Yard Fire Hydrants shall be provided as per Section 3.11., in a loop to cover the entire facility. iv. Hose Reel System shall be provided throughout the building as per Section 3.3. 	 vi. The capacity of the fire pump set shall be as per storage height and storage arrangement, in accordance with Table 9.7.GG. at a pressure as required to satisfy 6.9 bar at the most remote Hydrant valve. vii. The water tank shall have a capacity of 90 minutes of operation, complete with low water level detection, direct breeching inlet and instantaneous refilling arrangement.
	 A dry riser and wet riser System shall not be required. 	(63)

