

3.3. Midrise and Lowrise Buildings

- 3.3.1.** Midrise and Lowrise buildings, having a building height less than 23 m from the fire access level shall be provided with smoke control systems in accordance with **Table 10.21.**

Table 10.21.: Midrise and Lowrise Building Smoke Control System Requirements

LOCATION	SYSTEM REQUIREMENTS
1. EXIT STAIRS	<ul style="list-style-type: none"> i. The stair Pressurization shall not be required for occupancies other than Hospitals, Malls, Educational and Assembly. ii. Where stair pressurization is provided, it shall be provided in accordance with Section 2.6.
2. PASSENGER ELEVATOR LOBBY	<p><u>1. BUILDINGS WITH PASSENGER ELEVATOR LOBBY</u></p> <ul style="list-style-type: none"> i. Elevators with lobbies shall be arranged as smoke barriers. ii. Barriers forming the elevator lobby shall not be have fire-resistance rating. iii. Elevator lobby door leaves shall be self-closing or automatic-closing. iv. The elevator lobby door leaves shall close in response to a signal from a smoke detector located directly outside the elevator lobby adjacent to or on each door opening. v. Elevator lobby door leaves shall be permitted to close in response to a signal from the building fire alarm system. vi. No smoke control shall be required for lobbies. <p><u>1. BUILDINGS WITHOUT PASSENGER ELEVATOR LOBBY</u></p> <ul style="list-style-type: none"> i. Lift hoistway pressurization shall not be required.
3. FIREMAN'S LIFT LOBBY (FIREFIGHTING LOBBY)	<p><u>1. BUILDINGS WITH FIREFIGHTING LIFT.</u></p> <ul style="list-style-type: none"> i. The firefighting lift shall not be mandatory in midrise and lowrise buildings. ii. Where provided with fire fighting lift, firefighting lift lobby shall not be required. iii. Where provided with fire firefighting lift and firefighting lift lobby, it shall be in accordance with Chapter 1. iv. The firefighting lobby enclosure shall be constructed of smoke partitions, enclosed in one hour fire-resistance rating and shall be arranged as smoke barriers. v. A smoke control or smoke purge shall not be required for firefighting lift shafts when the fire man's lift is provided with a firefighting lobby. vi. The firefighting stairs pressurization shall not be mandatory. vii. The firefighting stair pressurization using a vestibule, in accordance with Section 2.16. shall be permitted. <p><u>1. BUILDINGS WITHOUT FIREFIGHTING LIFT.</u></p> <ul style="list-style-type: none"> i. Lift hoistway pressurization shall not be required.
4. ENCLOSED EXIT AND EXIT ACCESS CORRIDORS	<ul style="list-style-type: none"> i. A smoke management for Corridor and open circulation areas shall not be required. ii. Provision of natural ventilation for smoke clearance in accordance with Section 2.15. shall be permitted.