

Table 3.17.: Assembly, Group A, B, C.

ITEMS	REQUIREMENTS
21. SMOKE PROTECTED ASSEMBLY SEATING	<ul style="list-style-type: none"> i. Assembly Seating in a smoke protected area shall have the benefit of reduced egress capacity, reduced restrictions of seating arrangement, provided Life Safety Evaluation is submitted to Civil Defence for approval. ii. All means of egress serving a smoke-protected assembly seating area shall be provided with smoke control system as per Chapter 10, Section 2.13. to achieve the level of smoke at not less than 1830 mm above the floor of the means of egress. iii. For smoke protected Assembly Seating, minimum clear widths of aisles, aisle Accessways, aisle stairs, aisle ramps shall be as per Table 3.18.a. and Table 3.18.b. iv. Smoke-protected assembly seating shall be permitted to have a common path of travel of 15 m from any seat to a point where a person has a choice of two directions of egress travel. v. In smoke-protected assembly seating, the dead ends in aisle stairs shall not exceed a distance of 21 rows, unless the seats served by the dead-end aisle are not more than 40 seats from another aisle. vi. In smoke-protected assembly seating, Travel distance from any seat to nearest entrance to concourse shall not exceed 122m. vii. The travel distance from the entrance to the vomitory portal or from the egress concourse to an approved egress stair, ramp, or walk at the building exterior shall not exceed 61 m.

Table 3.18.a.: Smoke Protected Assembly Seating based on Total seats

ITEMS	TOTAL SEATS PRESENT	FOR AISLE AT ONLY ONE END	FOR AISLE AT BOTH ENDS
1. WITH 305 MM OF CLEAR WIDTH OF AISLE ACCESSWAY	i. <4000	7 Seats per row	14 Seats per row
	ii. 4000 - 6999	7 Seats per row	15 Seats per row
	iii. 7000– 9999	8 Seats per row	16 Seats per row
	iv. 10,000– 12,999	8 Seats per row	17 Seats per row
	v. 13,000– 15,999	9 Seats per row	18 Seats per row
	vi. 16,000– 18,999	9 Seats per row	19 Seats per row
	vii. 19,000– 21,999	10 Seats per row	20 Seats per row
	viii. >22,000	11 Seats per row	21 Seats per row

Table 3.18.b.: Smoke Protected Assembly Seating based on aisle Accessway width

ITEMS	AISLE ACCESSWAY WIDTH	FOR AISLE AT ONLY ONE END	FOR AISLE AT BOTH ENDS
1. FOR INCREASED AISLE ACCESSWAY WIDTH	i. 300 mm– 324 mm	7	14
	ii. 325 mm– 349 mm	8	16
	iii. 350 mm– 374 mm	9	18
	iv. 375 mm– 399 mm	10	20
	v. 400 mm– 424 mm	11	22
	vi. 425 mm– 449 mm	12	24
	vii. 450 mm– 474 mm	12	26
	viii. 475 mm– 499 mm	12	28
	ix. 500 mm and more	12	as per Travel Distance limitation