

3.4. Horizontal Exit

- 3.4.1.** Horizontal exits shall be permitted to be substituted for other exits where the total egress capacity and the total number of the other non-horizontal exits leading outside the building is not less than half (50%) that required for the entire area of the building or connected buildings, unless otherwise permitted by Health care and detention occupancies.
- 3.4.2.** Horizontal Exit shall comply with **Table 3.1** and **Table 3.6**. However, allowance of horizontal exits and modifications if provided by individual occupancies sections, shall override the requirements of **Table 3.6**.

Table 3.6: Horizontal Exits

ITEMS	REQUIREMENTS
1. COMPARTMENTS	<ul style="list-style-type: none"> i. Every Fire compartment considered as horizontal exit shall also have at least one or 50% of the required number of exits with required exit capacity that is not a horizontal exit. ii. Any fire compartment not having an exit leading directly to outside shall be considered as part of an adjoining fire compartment with an exit leading to the outside.
2. FIRE RATING	<ul style="list-style-type: none"> i. Fire barriers separating areas or buildings, forming horizontal exits shall have minimum of 2 hour fire resistance rating, continuous from ceiling to finished floor level of the areas it is separating. ii. The floors on which the horizontal exit fire barrier is omitted, shall be separated from the floor having horizontal exit by at least 2 hour fire resistance rating. iii. Vertical openings between the storey with horizontal exits and the open fire area storey shall be enclosed with 2 hour fire resistance rated construction. iv. Where fire barriers serving horizontal exits terminate at outside walls, and the outside walls are at an angle of less than 180 degrees for a distance of 3 m on each side of the horizontal exit, <ul style="list-style-type: none"> a. Such outside walls shall be 1 hour fire resistance rated with 45 minutes rated openings protectives, for a distance of 3 m on each side of the horizontal exits. b. Or one of the outside walls shall have a 2-hour fire resistance rating with opening protectives having a minimum 90 minutes fire protection rating, for a distance of 3 m from intersection with the horizontal exit.
3. EXIT TO OUTSIDE	<ul style="list-style-type: none"> i. Every horizontal exit shall be arranged such that there are continuously available paths of travel leading from each side of the horizontal exit to stairway or corridor or smoke proof enclosure or ramp, leading to outside the building.
4. LOCKS	<ul style="list-style-type: none"> i. Wherever either side of a horizontal exit is occupied the doors used in the horizontal exit shall be unlocked from the egress side.
5. FLOOR AREA	<ul style="list-style-type: none"> i. The floor area on either side of a horizontal exit shall be sufficient to hold the occupants of both floor areas and shall provide at least 0.28 m² clear floor area per person.
6. PENETRATIONS	<ul style="list-style-type: none"> i. Ducts penetrating fire barrier with horizontal exit shall have listed fire dampers. ii. Penetration of ducts shall not be allowed without dampers in non sprinklered buildings.