

Table 3.2: Doors (Door Assembly)

ITEMS	REQUIREMENTS
9. DELAYED EGRESS LOCKING SYSTEMS	<ul style="list-style-type: none"> i. Delayed Egress locking Systems shall be allowed only in fully sprinklered low and ordinary hazard category buildings. ii. Such door locks shall unlock in the direction of egress upon actuation of automatic sprinkler system OR 1 heat detector OR 2 smoke detectors. iii. Loss of power to the listed releasing hardware automatically unlocks the door assembly in the direction of egress. See Section 7 for Materials. iv. Where swiping cards and finger prints are required to open doors, a mechanical release device shall be provided at the door with clear signage, which when manually operated with a force of not more than 67 N, shall unlock door within 15 seconds. The initiation of the release process shall activate an audible signal in the vicinity of the door opening.
10. ELEVATOR LOBBY DOOR LOCKS	<ul style="list-style-type: none"> i. Elevator Lobby exit doors shall be permitted to be electrically locked provided they are approved and listed (See Section 7 for materials), the building is fully sprinklered, lobby is provided with automatic fire detection and alarm system, a two-way communication system is provided between elevator lobby and central control room which is constantly staffed. ii. Loss of power, activation of sprinkler system, activation of water flow switch, activation of building fire alarm system shall unlock electrically locked elevator lobby doors. iii. Access controlled door locks as per Table 3.2.8. and Delayed Egress locks as per Table 3.2.9. shall not be allowed for elevator lobby door locks.
11. HOISTWAY ENCLOSURE	<ul style="list-style-type: none"> i. Doors, other than hoistway doors and the elevator car door, shall be prohibited at the point of access to an elevator car unless such doors are readily openable from the car side without a key, tool, special knowledge or effort.
12. PANIC HARDWARE AND FIRE EXIT HARDWARE	<ul style="list-style-type: none"> i. Only approved and listed fire exit hardware shall be used on fire protection-rated door assemblies. See Section 7 for Materials. ii. It shall consist of a cross bar or a push pad, the actuating portion of which extends across not less than one-half of the width of the door leaf. iii. It shall be located not less than 865 mm from finished floor and not more than 1220 mm from finished floor. iv. Doors provided with Panic or fire exit hardware, shall not be provided with any other locks.



Figure 3.4.: Panic Hardware height from the finished floor