



Table 1.9: Fire Resistance Separation and other requirement of incidental accessory /Occupancies.

INCIDENTAL ACCESSORY ROOMS AND OCCUPANCIES	REQUIRED SEPARATION WITH AUTOMATIC FIXED FIRE PROTECTION SYSTEM	REQUIRED SEPARATION WITHOUT AUTOMATIC FIXED FIRE PROTECTION SYSTEM	OTHER CONSTRUCTION AND PROTECTION REQUIREMENTS (See Chapter 9 for Fire Protection requirements Chapter 10 for smoke control requirements)
38. FIREMAN'S LIFT AND LOBBY / OCCUPANT EVACUATION LIFT AND LOBBY (Also see Chapter 3, section 3.9)	1 Hour	1 Hour	<ul style="list-style-type: none"> i. Fireman's lift shall be protected within a dedicated RCC shaft throughout the entire height of the building. ii. Where fireman's lift is situated with multiple elevators in a single RCC shaft, all the elevators in such common shaft shall comply to fireman's lift specifications. iii. Fireman's Lift Lobby shall be provided for all Super-highrise buildings., i.e., buildings with height more than 90 m from fire access level. iv. Such Fireman's Lift Lobby shall have direct access to an exit stair enclosure. This exit stair enclosure shall also have access to the floor corridor without passing through Fireman's Lift Lobby. v. Fireman's Lift Lobby shall be enclosed with smoke barrier having 1 hour fire resistance rating with a lobby door having 60 minutes fire resistance rating. such lobby door shall be self closing or automatic closing upon alarm activation. vi. Fireman's Lift Lobby shall be sized at not less than 9 m², and where used as an occupant evacuation lift lobby, at occupant load factor of 0.28 m² for 50 people and 1 wheel chair space of 760 mm X 1220 mm shall be considered. vii. Fireman's Lift car shall have a minimum size and arrangement to accommodate ambulance stretcher of 610 mm X 2130 mm. viii. Class III Fire hose cabinet as per Chapter 9, shall be available immediately outside the stair enclosure. ix. Fireman's Lift shall be monitored continuously at Emergency Command Center and by Civil Defence' 24X7. x. Where Fireman's Lift has 2 entrance doors, second entrance shall not be required to open into Fireman's Lift Lobby. xi. Fireman's Lift shall be installed as per ASME A 17.1/ CSA B44. complete with communication and overriding features. See Figure 1.8.a and Figure 1.8.b. for various acceptable arrangements of Fireman's Lift Lobby. xii. Service rooms having floor or ceiling penetrations such as electrical rooms, meter rooms, gas rooms, storage rooms, garbage rooms, telephone rooms shall not be permitted to open inside the fireman's lift lobby space.