5.18. Rail and Tram Stations

5.18.1. Rail and Tram Stations shall comply with **Table 3.39.** along with all other sections of this chapter. Where conflicts arise between this section and other sections of this Chapter or code, the requirements of this section shall prevail.

Table 3.39.: Rail and Tram Stations

ITEMS	REQUIREMENTS
1. OCCUPANT LOAD	i. The occupant load for a station shall be based on the train load of trains simultaneously entering the station on all tracks in normal traffic direction plus the simultaneous entraining load awaiting trains
2. EMERGENCY EXITS	i. At least two means of egress remote from each other shall be provided from each station platform. ii. Where means of egress routes from separate platforms converge, the subsequent capacity of the egress route shall be sufficient to maintain the required evacuation time from the incident platform. iii. A common path of travel from the platform ends shall not exceed 25 m (82 ft.) or one car length, whichever is greater. iv. The maximum travel distance on the platform to a point at which a means of egress route leaves the platform shall not exceed 100 m . v. Within underground or enclosed trainways, the maximum distance between exits shall not exceed 762 m. vi. A minimum clear width of 1200 mm (47 in.) shall be provided along all platforms, corridors, and ramps serving as means of egress. vii. Doors and other openings through the separations shall be 90 minutes fire rated. viii. Power substation door shall be 3 hour fire rated. ix. Where a fire door is required to be open, it shall be automatic closing type. x. Horizontal sliding platform screen or platform edge doors shall be permitted to separate the platform from the trainways in stations provided that the doors permit emergency egress from the train to the platform regardless of the stopping position of the train., the doors provide egress when a force not exceeding 220 N (49 lb) is applied from the train side of the doors. And the doors are designed to withstand positive and negative pressures caused by passing trains.
3. ESCALATORS	i. Escalators shall be permitted as a means of egress in stations provided that the escalators are constructed of noncombustible materials, Escalators running in the direction of egress shall be permitted to remain operating and Escalators running reverse to the direction of egress shall be capable of being stopped remotely or manually. ii. Escalators shall not account for more than half of the means of egress capacity at any one level.
4. SIGNAGE	i. Reflective, Photoluminescent or lighted directional signs indicating the distance to the two nearest emergency exits shall be provided on the side walls at distances of no more than 25 m. ii. Exit signs shall be distinguishable from other signage in the stations.
5. EVACUATION TIME	i. The station also shall be designed to permit evacuation from the most remote point on the platform to a point of safety in 6 minutes or less.
6. CCTV	i. Stations shall be provided with CCTV system.