

3.8. Fire Access, Means of Egress, Fire Detection and Fire Protection System Requirements

3.8.1. Fire access road for Civil Defence approach, Means of Egress for evacuation, Fire Detection and Alarm Systems and Fire protection Systems for under construction, alteration, modification or demolition sites shall be as per **Table 12.8.**

Table 12.8.: Fire Access, Means of Egress, Fire Alarm and Fire Protection Requirements

ITEMS	REQUIREMENTS
1. FIRE ACCESS	<ul style="list-style-type: none"> i. All construction sites shall be accessible by Civil Defence apparatus by means of roadways having an all-weather driving service of not less than 6.1m of unobstructed width. ii. The roads shall have the ability to withstand the live loads of fire apparatus of 80 tons of distributed load and have a minimum 4.5 m of vertical clearance. iii. Fire access shall not be through basements, underpasses of the building under construction. iv. Dead end fire access roads in excess of 45m in length shall be provided with approved turnarounds in accordance with Chapter 2. Fire Access. v. A suitable location at the site shall be designated as a command post and provided with plans, emergency information, keys, communications and equipment, as needed. vi. The person in charge of fire protection shall respond to the location command post whenever fire occurs. vii. Where access to or within a structure or an area is unduly difficult because of secured openings or where immediate access is necessary for life-saving or fire-fighting purposes, the Civil Defence personnel shall be permitted to require a key box to be installed in an accessible location. viii. Access for use of Civil Defence apparatus shall be provided to the immediate job site at the start of the project and maintained until completion. ix. The required width of access roadways shall not be obstructed in any manner, including obstruction by parked vehicles, storage material and assembly points. x. Signs or other appropriate notices, or both, prohibiting obstruction shall be installed and shall be maintained. xi. The access roadway shall be extended to within 46 m of all portions of the exterior walls of the first story of any building under construction. xii. Where an access roadway cannot be provided, an approved fire protection system or systems shall be provided and approved by the Civil Defence. xiii. Where a bridge is required to be used as access, it shall be constructed and maintained using design live loading sufficient to carry the imposed loads of the fire apparatus in accordance with Chapter 2. Fire Access.