

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

ITEMS	REQUIREMENTS
<b>3. FIRE PROTECTION SYSTEMS</b>	<p><b>3. AUTOMATIC SPRINKLER SYSTEMS</b></p> <ol style="list-style-type: none"> <li>Where temporary automatic sprinkler systems are considered to be provided for under construction buildings, 500 gpm temporary fire pump with 30 minutes operation fire water tank shall be permitted.</li> <li>Where permanent automatic Fire Sprinkler systems are required to be installed in new buildings as per consultant's approved drawing from Civil Defence, the system shall be placed in service as soon as it is feasible and before interior finish work commences.</li> <li>Immediately upon the completion of sprinkler pipe installation on each floor level, the piping shall be hydrostatically tested and inspected. After inspection approval from the Civil Defence, each floor level of sprinkler piping shall be connected to the system supply riser and placed into service.</li> <li>For system activation notification, an exterior alarm bell can be installed and connected to the sprinkler water flow device prior to installation of the monitoring system.</li> <li>For buildings equipped with fire sprinkler systems that are undergoing alterations, the sprinkler system(s) shall remain in service at all times except when system modifications are necessary.</li> <li>Fire sprinkler systems undergoing modifications shall be returned to service at the end of each workday unless otherwise approved by the Civil Defence.</li> <li>The general contractor or his/her designee shall check the sprinkler control valve (s) at the end of each work day to confirm that system has been restored to service.</li> <li>New building or building undergoing modifications shall not be occupied until the sprinkler installation has been entirely completed, tested and in service as per <b>Chapter 9, Section 3.5.</b></li> <li>The provision of Table 12.8.3.5.vii. shall not prohibit occupancy of the lower floors of a building, even where the upper floors are in various stages of construction or protection, provided the following conditions are satisfied: <ol style="list-style-type: none"> <li>The sprinkler protection of the lower occupied floors is completed, tested and in service.</li> <li>The sprinkler protection of the upper floors is supplied by entirely separate systems and separate control valves so that the absence or incompleteness of protection in no way impairs the sprinkler protection of the occupied lower floors.</li> <li>Where the sprinkler protection is regularly turned off and on to facilitate connection of newly completed segments, the sprinkler control valves shall be checked at the end of each work shift to ascertain that protection is in service.</li> </ol> </li> </ol> <p><b>4. FIRE EXTINGUISHERS</b></p> <ol style="list-style-type: none"> <li>Portable Fire Extinguishers shall be provided and shall be mounted on a wall or post at each usable stairway, such that the travel distance to any extinguisher does not exceed 23 m.</li> <li>Mounting height to the top of the extinguisher shall not exceed 1.5m. Extinguishers shall not have less than a 2A10BC rating or as per <b>Chapter 4. Fire Extinguishers.</b></li> <li>Wherever a tool house, storeroom, or other shanty is located in or adjacent to the building under construction or demolition or where a room or space within that building is used for storage, a dressing room or a workshop, at least one approved extinguisher shall be provided and maintained in an accessible location.</li> <li>At least one approved fire extinguisher also shall be provided in plain sight on each floor at each usable stairway as soon as combustible material accumulates.</li> <li>Suitable fire extinguishers shall be provided on self-propelled equipment.</li> <li>Free access to permanent, temporary or portable first aid Civil Defence shall be maintained at all times.</li> </ol>