



#### 2.10.11. Type of Constructions required based on Civil Defence Building Categories.

**Table 1.7. and Table 1.8.** shall be followed for construction types based on Civil Defence building categories. Where,

<b>S</b>	If building is Sprinklered.
<b>NS</b>	If Building is Not Sprinklered.
<b>AUL</b>	Area allowed is Unlimited.
<b>FUL</b>	Floors allowed is Unlimited
<b>F</b>	Maximum Floors allowed.
<b>G</b>	Ground Floor only (No above grade floors are allowed)
<b>xxxx m<sup>2</sup></b>	Maximum Allowed Area per floor in Sq meters.
<b>H</b>	Maximum Allowed Building Height in meters.

#### 2.10.12. Application of Table 1.7 and Table 1.8.

**2.10.12.1. Table 1.7 and Table 1.8.** for the construction type requirements have been altered to suit the Civil Defence building categories. These tables shall be followed in conjunction with sprinkler requirements for buildings as per **Chapter 9. Fire Protection Systems.**

**2.10.12.2.** The area increase of 300% has already been considered for all the buildings that are sprinklered.

**2.10.12.3.** The additional area increase of 30% to the figures in **Table 1.7.** can be considered for all the sprinklered buildings which are single storey. The same when considered in design, shall be clearly demonstrated in the drawing submissions.

**2.10.12.4.** Where a building is sprinklered and has more than 25 % of its perimeter fronting or facing a public way or an open space having a minimum width of 6 m, additional area increase of 30% can be added to existing figures of **Table 1.7**, using the formulas from **NFPA 5000, Section 7.6.** The same when considered in design, shall be clearly demonstrated in the drawing submissions.

**2.10.12.5.** Sprinklered One storey Business, Mercantile, Assembly without stage, Motion picture theater, Low Hazard Storage and Low Hazard Industrial buildings (Group C storage and industrial) of Type II construction shall be allowed to be unlimited in area when buildings are surrounded by public ways or yards of 18 m width.

**2.10.12.6.** Non-sprinklered One storey Sports arenas of Type II construction with automatic fire detection and alarm system shall be allowed to be unlimited in area when buildings are surrounded by public ways or yards of 18 m width.

**2.10.12.7.** Fully sprinklered One storey educational occupancies shall be allowed to be unlimited in area when each class room has not less than 2 means of egress directly to outside.

**2.10.12.8.** Height increase shall be permitted for towers, spires, roof structures, aircraft hangers, special purpose industrial occupancies and storage occupancies when justified as per **NFPA 5000, Section 7.4.3.6.**