

2.7. Fixed Storage Tank Buildings

- 2.7.1.** The storage of Flammable and Combustible Liquids in Tanks located inside buildings known as “Tank Buildings” shall comply with the general requirements of **Table 13.1. General Requirements**, this section and **Table 13.5. Storage of liquids in Tank Buildings**.
- 2.7.2.** This section shall apply to aboveground storage tanks located within storage tank buildings.
- 2.7.3.** This section does not apply to
- Liquids stored outside, aboveground and have canopies as cover or roof which does not limit the dissipation of heat or dispersion of flammable vapors and does not restrict fire fighting access and control.
 - Liquid storage tanks within buildings, in process and special industrial facilities (as defined in **Chapter 1, Table 1.1. 3.b.**) and other areas where liquids are handled, dispensed or transferred.

Table 13.5.: Storage of Liquids in Tank Buildings

ITEM	REQUIREMENTS
1. GENERAL	<ol style="list-style-type: none"> Storage of Class II and Class III liquids heated at or above their flash points shall follow the requirements for Class I Liquids. Tanks shall be permitted to be of any shape, size or type provided they are tested, approved and listed for the purpose. Metal tanks shall be welded, riveted and caulked, or bolted or constructed using combination of any of these methods. Tanks designed and intended for aboveground use shall not be used as underground tanks. Tanks designed and intended for underground use shall not be used as above ground tanks.
2. LOCATION OF TANKS	<ol style="list-style-type: none"> Tanks and associated equipment within the storage tank building shall be so located that a fire in the area shall not constitute an exposure hazard to adjoining buildings or tanks. Structures housing tanks and storage tank buildings shall be 2 hour fire rated constructions in accordance with Chapter 1. Construction. Minimum distance from exposed property lines and buildings for storage tank installations within the tank buildings shall comply with Table 13.5.a. Where tank building does not provide exposure protection, the distance requirements of Table 13.5.a shall be doubled. Where exterior wall of the tank storage building is 2 hour fire resistance rated, the separation distance from any tank to such wall need not be greater than 7.6 m. Where exterior wall of the storage tank building is 4 hour fire resistance rated, the separation distances required by Table 13.5.a shall not apply. Where Class IA liquids or unstable liquids are stored, the exposing wall shall have explosion resistance in accordance with recognized international engineering standards and deflagration venting shall be provided in the non exposing walls and roof, in accordance with NFPA 68, Standard of Explosion Protection by Deflagration Venting.
3. MAXIMUM CAPACITY	<ol style="list-style-type: none"> The capacity of any individual tank shall not exceed 100,000 Gal inside tank buildings.