



2. Construction Requirements

2.1. Intention

- 2.1.1.** The construction requirements for buildings and structures in this chapter do not address Environmental impact, Structural Load analysis and withstanding natural disasters. The Construction requirements in this chapter are to ensure Fire Safety in and around buildings and structures and are to achieve the following.
- 2.1.1.1.** Buildings are designed and constructed to provide safety from structural failure during fire.
 - 2.1.1.2.** Buildings are designed and constructed to provide protection to occupants from fire.
 - 2.1.1.3.** Buildings are designed and constructed to contain fire in its origin compartment and stop from spreading to other areas.
 - 2.1.1.4.** Fire in one building and structure do not spread to neighboring buildings or properties.

Did You Know?

Probably the earliest traces of building code is after Rome city burned in 64 AD.

Emperor Nero came up with requirement of fireproof materials be used for external walls in rebuilding the Rome city.

2.2. General

- 2.2.1.** Each occupancy shall not exceed the area limitations or be located at a height greater than that permitted for such occupancy and the type of construction being used.
- 2.2.2.** Where minor accessory usages do not occupy more than 25 percent of the area of any floor of a building, the principal use of the building shall determine the occupancy classification.
- 2.2.3.** In high-rise occupancies, the most restrictive, applicable, high-rise building provisions and fire protection system requirements shall apply to all portions of the building.
- 2.2.4.** Where separated occupancies are provided, each part of the building comprising a distinct occupancy, as described in this chapter, shall be completely separated from other occupancies by fire-resistive assemblies, as specified in Table 1.1 below.
- 2.2.5.** Requirements in this chapter are minimum guidelines. It is consultant's responsibility to refer to international standards such as **NFPA 5000, NFPA 501, NFPA 502, NFPA 409, NFPA 294, NFPA 130, NFPA 88A, NFPA 30 and IBC**, on which this chapter is based on, for further clarifications and code compliant building constructions.