

RULE IV - TYPES OF CONSTRUCTION

SECTION 401. Types of Construction

For purposes of the **Code and its IRR**, all buildings proposed for construction shall be classified according to the following types:

1. **Type I** - shall be of **wood** construction. The structural elements may be any of the materials permitted by the Code.
2. **Type II** - shall be of **wood** construction with protective fire-resistant materials and one-hour fire-resistive throughout, except, that permanent non-bearing partitions may use fire-retardant treated wood within the framing assembly with one-hour resistivity.
3. **Type III** - shall be of **masonry and wood** construction. Structural elements may be any of the materials permitted by the Code provided, that the building shall be one-hour fire-resistive throughout. Exterior walls shall be of incombustible fire-resistive construction.
4. **Type IV** - shall be **steel, iron, concrete, or masonry** construction and walls, ceiling and permanent partitions shall be of incombustible fire-resistive construction, except, that permanent non-bearing partitions of one-hour fire-resistive construction may use fire-retardant treated wood within the framing assembly.
5. **Type V** - shall be four-hour fire-resistive throughout and the structural elements shall be of **steel, iron, concrete, or masonry** construction.

SECTION 402. Changes in Types

No change shall be made in the type of construction of **any building** which would place the building in a different sub-type or type of construction unless such building is made to comply with the requirements for such sub-type of construction: *Except*, when the changes is approved by the **Building Official** upon showing that the new or proposed construction is less hazardous, based on life and fire risk, than the existing construction.

SECTION 403. Requirements on Type of Construction

The following standards are prescribed:

1. **Fire Resistive Requirements**
 - a. Exterior bearing and non-bearing walls of Types II and III Constructions shall have one hour fire-resistive rating, while those of Types IV and V shall have four-hour fire-resistive rating.
 - b. Interior bearing walls, permanent partitions, floors, and roofs of Types II, III and IV Construction shall have one-hour fire-resistive rating while those of Type V shall have three-hour fire-resistive rating for bearing walls and one-hour fire-resistive rating for vertical openings, floors and roofs.
 - c. Structural **frames** of **Types II and III** Construction shall have one-hour fire-resistive rating, while those of Type IV shall have two-hour fire-resistive rating and those of **Type V** shall have three hour fire-resistive rating.
 - d. Exterior doors and windows shall have one hour fire-resistive rating for all Types.
2. Interior Wall and Ceiling Finishes

- a. Finishes for interior walls and ceilings of any building shall be classified according to their **flame-spread characteristic** using generally accepted engineering standards. The **smoke density** shall **not** be greater than that obtained from burning of untreated wood under similar conditions when tested in accordance with the "**Tunnel Test**" in the way intended for use. The products of combustion shall be **no** more toxic than the burning of untreated wood under similar conditions. These finishes include: interior wainscoting, paneling, or other finish applied structurally or for decoration, acoustical correction, frames and trims of doors and windows, surface insulation or similar purposes.
 - b. Requirements for flame-spread characteristics of finishes shall **not** apply to frames and trim of doors and windows and to materials which are less than 1.00 millimeter in thickness cemented to the surface of walls or ceilings.
 - c. Materials required to be flame-spread proofed shall be treated with a **flame-retardant** having a flame-spread of **fifty** (50) or less as determined by the "**Tunnel Test**".
3. Standards for materials use in structural framework, exterior walls and openings, floors, exits, stairs & roofs shall be governed by the pertinent provision of the **Fire Code of the Philippines**.

(emphases, underscoring and annotations supplied)

Rule V follows