

# Determining Construction Types

## **TYPE I-A**

Fire Resistive Non-combustible (Commonly found in high-rise buildings and Group I occupancies).

3 Hr. Exterior Walls\* 3 Hr. Structural Frame

2 Hr. Floor/Ceiling Assembly

1 ½ Hr. Roof Protection

## **TYPE I-B**

Fire Resistive Non-Combustible (Commonly found in mid-rise office & Group R buildings).

2 Hr. Exterior Walls\* 2 Hr. Structural Frame 2 Hr. Ceiling/Floor Separation 1 Hr. Ceiling/Roof Assembly

## **TYPE II-A**

Protected Non-Combustible (Commonly found in newer school buildings).

1 Hr. Exterior Walls 1 Hr. Structural Frame 1 Hr. Floor/Ceiling/Roof Protection

## **TYPE II-B**

Unprotected Non-Combustible (Most common type of non-combustible construction used in commercial buildings).

Building constructed of non-combustible materials but these materials have no fire resistance.

## **TYPE III-A**

Protected Combustible (Also known as "ordinary" construction with brick or block walls and a wooden roof or floor assembly which is 1 hour fire protected).

2 Hr. Exterior Walls\*

1 Hr. Structural Frame 1 Hr. Floor/Ceiling/Roof Protection

## **TYPE III-B**

Unprotected Combustible (Also known as "ordinary" construction; has brick or block walls with a wooden roof or floor assembly which is not protected against fire. These buildings are frequently found in "warehouse" districts of older cities.)

2 Hr. Exterior Walls\* No fire resistance for structural frame, floors, ceilings, or roofs.

## **TYPE IV**

Heavy Timber (also known as "mill" construction; to qualify all wooden members must have a minimum nominal dimension of 8 inches.)

2 Hr. Exterior Walls\* 1 Hr. Structural Frame or Heavy Timber Heavy Timber Floor/Ceiling/Roof Assemblies

## **TYPE V-A**

Protected Wood Frame (Commonly used in the construction of newer apartment buildings; there is no exposed wood visible.)

1 Hr. Exterior Walls 1 Hr. Structural Frame 1 Hr. Floor/Ceiling/Roof

## **TYPE V-B**

Unprotected Wood Frame (Examples of Type V-N construction are single family homes and garages. They often have exposed wood so there is no fire resistance.)

***\*Note exceptions in the building code for fire resistance ratings of exterior walls and opening protection.***