Types of Construction/IBC

Types I & II  - Building Elements are of noncombustible materials.

Type III  - Exterior walls are of noncombustible materials and the interior building elements are of any material permitted by the code.

Type IV  - H. T. (Heavy Timber) - Exterior walls are of noncombustible materials and the interior building elements are of solid or laminated wood without concealed spaces.

Type V  - Structural elements, exterior and interior walls are of any materials permitted by the code.

A. Fire-resistance rated construction.

B. Non fire-resistance rated construction.
Occupancy Groups/IBC

A-1 - Assembly uses, usually with fixed seating, intended for the production and viewing of the performing arts or motion pictures including, but not limited to:

- Motion picture theaters
- Symphony and concert halls
- Television and radio studios admitting an audience
- Theaters

A-2 - Assembly uses intended for food and/or drink consumption including, but not limited to:

- Banquet halls
- Night clubs
- Restaurants
- Taverns and bars

A-3 - Assembly uses intended for worship, recreation or amusement and other assembly uses not classified elsewhere in Group A including, but not limited to:

- Amusement arcades
- Art galleries
- Bowling alleys
- Churches
- Community halls
- Courtrooms
- Dance halls (not including food or drink consumption)
- Exhibit halls
- Funeral parlors
- Gymnasiums (without spectator seating)
- Indoor swimming pools (without spectator seating)
- Indoor tennis courts (without spectator seating)
- Lecture halls
- Libraries
- Museums
- Waiting areas in transportation terminals

A-4 - Assembly uses intended for viewing of indoor sporting events and activities with spectator seating including, but not limited to:

- Arenas
- Skating rinks
- Swimming pools
- Tennis courts

A-5 - Assembly uses intended for participation in or viewing outdoor activities including, but not limited to:

- Amusement park structures
- Bleachers
- Grandstands
- Stadiums
Office, professional or service-type transactions, including storage of records and accounts. Business occupancies shall include, but not be limited to, the following:

- Airport traffic control towers
- Animal hospitals, kennels and pounds
- Banks
- Barber and beauty shops
- Car wash
- Civic administration
- Clinic-outpatient
- Dry cleaning and laundries; pick-up and delivery stations and self-service
- Educational occupancies above the 12th grade
- Electronic data processing
- Laboratories; testing and research
- Motor vehicle showrooms
- Post offices
- Print shops
- Professional services (architects, attorneys, dentists, physicians, engineers, etc.)
- Radio and television stations
- Telephone exchanges
E - Six or more persons at any one time for educational purposes through the 12th grade. Religious educational rooms and religious auditoriums, which are accessory to churches in accordance with Section 302.2 and have occupant loads of less than 100, shall be classified as A-3 occupancies.
F-1 - Moderate-Hazard and shall include, but not be limited to, the following:

- Aircraft
- Appliances
- Athletic equipment
- Automobiles and other motor vehicles
- Bakeries
- Beverages; over 12-percent alcohol content
- Bicycles
- Boats
- Brooms or brushes
- Business machines
- Cameras and photo equipment
- Canvas or similar fabric
- Carpets and rugs (includes cleaning)
- Clothing
- Construction and agricultural machinery
- Disinfectants
- Dry cleaning and dyeing
- Electric generation plants
- Electronics
- Engines (including rebuilding)
- Food processing
- Furniture
- Hemp products
- Jute products
- Laundries
- Leather products
- Machinery
- Metals
- Millwork (sash & door)
- Motion pictures and television filming (without spectators)
- Musical instruments
- Optical goods
- Paper mills or products
- Photographic film
- Plastic products
- Printing or publishing
- Recreational vehicles
- Refuse incineration
- Shoes
- Soaps and detergents
- Textiles
- Tobacco
- Trailers
- Upholstering
- Wood; distillation
- Woodworking (cabinet)

F-2 - Low-Hazard shall include, but not be limited to, the following:

- Beverages; up to and including 12-percent alcohol content
- Brick and masonry
- Ceramic products
- Foundries
- Glass products
- Gypsum
- Ice
- Metal products (fabrication and assembly)
H-1 - Contains materials that present a detonation hazard.
H-2 - Contains materials that present a deflagration hazard or a hazard from accelerated burning.
H-3 - Contains materials that readily support combustion or present a physical hazard.
H-4 - Contains materials that are health hazards.
H-5 - Semiconductor fabrication facilities and comparable research and development areas in which hazardous production materials (HPM) are used and the aggregate quantity of materials is in excess of those listed in Tables 307.7(1) and 307.7(2).
I-1  -  Housing more than 16 persons, on a 24-hour basis, who because of age, mental disability or other reasons, live in a supervised residential environment that provides personal care services. This group shall include, but not be limited to, the following:
   Residential board and care facilities
   Assisted living facilities
   Halfway houses
   Group homes
   Congregate care facilities
   Social rehabilitation facilities
   Alcohol and drug centers
   Convalescent facilities

I-2  -  Medical, surgical, psychiatric, nursing or custodial care on a 24-hour basis of more than five persons who are not capable of self-preservation. This group shall include, but not be limited to, the following:
   Hospitals
   Nursing homes (both intermediate-care facilities and skilled nursing facilities)
   Mental hospitals
   Detoxification facilities

I-3  -  Inhabited by more than five persons who are under restraint or security. An I-3 facility is occupied by persons who are generally incapable of self-preservation due to security measures not under the occupants' control. This group shall include, but not be limited to, the following:
   Prisons
   Jails
   Reformatories
   Detention centers
   Correctional centers
   Prerelease centers

I-4  -  Occupied by persons of any age who receive custodial care for less than 24 hours by individuals other than parents or guardians, relatives by blood, marriage or adoption, and in a place other than the home of the person cared for.
M - Display and sale of merchandise, and involves stocks of goods, wares or merchandise incidental to such purposes and accessible to the public. Mercantile occupancies shall include, but not be limited to, the following:
   Department stores
   Drug stores
   Markets
   Motor fuel-dispensing facilities
   Retail or wholesale stores
   Sales rooms
R-1 - Residential occupancies where the occupants are primarily transient in nature, including:
   Boarding houses (transient)
   Hotels (transient)
   Motels (transient)

R-2 - Residential occupancies containing sleeping units or more than two dwelling units where the occupants are primarily permanent in nature, including:
   Apartment houses
   Boarding houses (not transient)
   Convents
   Dormitories
   Fraternities and sororities
   Monasteries
   Vacation timeshare properties
   Hotels (nontransient)
   Motels (nontransient)

R-3 - Residential occupancies where the occupants are primarily permanent in nature and not classified as R-1, R-2, R-4 or I and where buildings do not contain more than two dwelling units as applicable in Section 101.2, or adult and child care facilities that provide accommodations for five or fewer persons of any age for less than 24 hours.

R-4 - Residential occupancies shall include buildings, arranged for occupancy as residential care/assisted living facilities, including more than five but not more than 16 occupants, excluding staff.
S-1 - Buildings occupied for storage uses which are not classified as Group S-2 including, but not limited to, storage of the following:

- Aerosols, Levels 2 and 3  - Leather
- Aircraft repair hangar  - Linoleum
- Bags; cloth, burlap and paper  - Lumber
- Bamboos and rattan  - Motor vehicle repair garages
- Baskets  - complying with the maximum allowable quantities of
- Belting; canvas and leather  - hazardous materials listed in Table 307.7(1) (see Section 406.6)
- Books and paper in rolls or packs
- Boots and shoes
- Buttons, including cloth covered, pearl or bone
- Cardboard and cardboard boxes  - Photo engravings
- Clothing, woolen wearing apparel
- Cordage
- Furniture
- Furs
- Glues, mucilage, pastes and size
- Grains
- Horns and combs, other than celluloid
- Pistons

S-2 - Buildings used for the storage of noncombustible materials such as products on wood pallets or in paper cartons with or without single thickness divisions; or in paper wrappings. Storage uses shall include, but not be limited to, storage of the following:

- Aircraft hangar  - Glass bottles, empty or filled with noncombustible liquids
- Asbestos  - Gypsum board
- Beverages up to and including 12 percent alcohol in metal, glass or ceramic containers  - Inert pigments
- Cement in bags  - Ivory
- Chalk and crayons  - Meats
- Dairy products in nonwaxed coated paper containers  - Metal cabinets
- Dry cell batteries  - Metal desks with plastic tops and trim
- Electrical coils  - Metal parts
- Electrical motors  - Metals
- Empty cans  - Mirrors
- Food products  - Oil-filled and other types of distribution transformers
- Foods in noncombustible containers  - Parking garages, open or enclosed
- Fresh fruits and vegetables in nonplastic trays or containers  - Porcelain and pottery
- Glass  - Stoves
- Frozen foods  - Talc and soapstones
- Washers and dryers
U - Accessory character and miscellaneous structures not classified in any specific occupancy shall be constructed, equipped and maintained to conform to the requirements of this code commensurate with the fire and life hazard incidental to their occupancy. Group U shall include, but not be limited to, the following:

- Agricultural buildings
- Aircraft hangars, accessory to a one- or two-family residence (see Section 412.3)
- Barns
- Carports
- Fences more than 6 feet (1829 mm) high
- Grain silos, accessory to a residential occupancy
- Greenhouses
- Livestock shelters
- Private garages
- Retaining walls
- Sheds
- Stables
- Tanks
- Towers