

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

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

- 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:
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|-----------------------------------|---------------------------------|
| 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 |
| Belting; canvas and leather | allowable quantities of |
| Books and paper in rolls or packs | hazardous materials listed in |
| Boots and shoes | Table 307.7(1) (see Section |
| Buttons, including cloth covered, | 406.6) |
| pearl or bone | Photo engravings |
| Cardboard and cardboard boxes | Resilient flooring |
| Clothing, woolen wearing | Silks |
| apparel | Soaps |
| Cordage | Sugar |
| Furniture | Tires, bulk storage of |
| Furs | Tobacco, cigars, cigarettes and |
| Glues, mucilage, pastes | snuff |
| and size | Upholstery and mattresses |
| Grains | Wax candles |
| Horns and combs, other than | |
| celluloid | |
- 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 |
| Asbestos | noncombustible liquids |
| Beverages up to and including | Gypsum board |
| 12 percent alcohol in metal, | Inert pigments |
| glass or ceramic containers | Ivory |
| Cement in bags | Meats |
| Chalk and crayons | Metal cabinets |
| Dairy products in nonwaxed | Metal desks with plastic tops and |
| coated paper containers | trim |
| Dry cell batteries | Metal parts |
| Electrical coils | Metals |
| Electrical motors | Mirrors |
| Empty cans | Oil-filled and other types of |
| Food products | distribution transformers |
| Foods in noncombustible | Parking garages, open or |
| containers | enclosed |
| Fresh fruits and vegetables | Porcelain and pottery |
| in nonplastic trays or | Stoves |
| containers | Talc and soapstones |
| Glass | Washers and dryers |
| Frozen foods | |

- 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