

The ORIGINAL IDEX CA Prep Class

Use and Occupancy Classifications

Assembly Group A (303)

- A building or structure for the gathering of persons for purposes such as civic, social or religious functions; recreation, food or drink consumption; awaiting transportation; motion picture and television production studio sound stages, approved production facilities and production locations
 - **A-1:** Assembly uses, usually with fixed seating (auditorium or theater), intended for the production and viewing of the performing arts or motion pictures
 - Includes but not limited to:
 - Motion pictures and theater production sound stages
 - Symphony and concert halls
 - Television and radio studios admitting a live audience
 - Theaters
 - **A-2:** Assembly uses intended for food and/or drink consumption, such as restaurants with 50 or more occupants
 - Less than 50 occupants would be classified in Business Group B
 - Assembly Group A - Restaurants must have seating areas such as in a banquet room
 - And Category A-2 does not include food preparation kitchens without dining areas such as bakeries, food-to-go establishments, etc.
 - Includes but not limited to:
 - Banquet halls
 - Night clubs
 - Restaurants
 - Taverns and bars
 - **A-3:** Assembly uses intended for worship, recreation or amusement and other activities.
 - Includes religious educational rooms and auditoriums with occupant loads of less than 100.
 - Also includes but not limited to:
 - Amusement arcades
 - Art galleries
 - Bowling alleys
 - Places of religious worship
 - Community halls
 - Courtrooms
 - Dance halls
 - Exhibition 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
 - Pool and billiard parlors

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- **A-4:** Assembly uses intended to viewing of indoor sporting events and activities with spectator seating
- includes but not limited to:
 - Arenas
 - Skating rinks
 - Swimming pools
 - Tennis courts
- **A-5:** Assembly uses intended for participation in or viewing outdoor activities
 - Includes but not limited to:
 - Amusement park structures
 - Bleachers
 - Grandstands
 - Stadiums

Business Group B (304)

- The use of a building or structure, or portion thereof, for office, professional or service-type transactions, including storage of records and accounts
- Also used for assembly purposes for occupant loads of under 50 persons and less than 750 square feet that is accessible to another occupancy
- Includes but not limited to:
 - Airport traffic control towers
 - Animal hospitals, kennels & pounds
 - Banks
 - Barber and beauty shops
 - Car wash
 - Civic administration
 - Clinic-outpatients
 - Dry cleaners & laundries
 - Educational occupancies for students above the 12th grade (otherwise Educational Group E)
 - Electronic data processing
 - Laboratories for testing, research and instruction
 - Motor vehicle showrooms
 - Post offices
 - Print shops
 - Professional services (architects, attorneys, dentists, physicians, engineers, etc.)
 - Radio & television stations
 - Telephone exchanges
 - Training & skill development not within a school or academic program

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Educational Group E (305) - NO PHYSICAL LIMITATION HEALTH ISSUES

- The use of a building or structure by more than six persons at any one time for education purposes through the 12th grade (Group B)
 - Home schooling exception: A residence used as a home school for children who normally reside at the residence (R-2 or R-3)
- The use of a building or structure for more than six children older than 2-1/2 years of age
 - Day care facilities exceptions
 - Occupants are not capable of responding to an emergency situation without physical assistance from the staff shall be Group I-4

Factory Group F (306)

- The use of a building or structure for assembling, disassembling, fabricating, finishing, manufacturing, packaging, repair or process operations
- It is divided into two groups
 - **F-1: Moderate Hazard**
 - F-1 shall include but not be limited to:
 - Aircraft
 - Appliances
 - Athletic equipment
 - Automobile and other motor vehicles
 - Bakeries
 - Beverages, over 12% 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 picture and television production studios
 - Musical instruments

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- 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 occupancy consists of factory industrial uses that involve the fabrication or manufacturing of noncombustible materials which during finishing, packing or processing do not involve a significant fire hazard
 - F-2 shall include and not be limited to:
 - Beverages: up to and including 12% alcohol content
 - Brick & masonry
 - Ceramic products
 - Foundries
 - Glass products
 - Gypsum
 - Ice
 - Metal products (fabrication & assembly)

High Hazard Group H (307)

- Includes the use of a building or structure for manufacturing, processing, generating or storing materials that constitute a physical or health hazard in quantities in excess of those allowed in control areas and/or pose a hazard for accelerated burning. The building or structure also must comply with the California Fire Code.
- The rating goes from H-1 to H-5 increasing in hazards with the numbers
- Includes flammable liquids and unstable and water-reactive materials (Part 2, definitions on page 58) (307.1)
- High-hazard occupancies would include items such as
 - Flammable finishes
 - Combustible liquids (307.2)
 - Liquid solvents with flash points at or above 200°F
 - Bulk storage of liquor
 - Refrigeration systems
 - Corrosives
 - Propelled aerosol storage
 - Black powder

Institutional Group I (308)

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- Includes buildings or structures that house people who are cared for or live in a supervised environment for physical limitations or medical treatment or who are detained for penal or correctional purposes
 - **I-1:** A supervised residential environment housing more than 6 nonambulatory or bed-ridden persons on a 24-hour basis for medical or rehabilitation
 - Assisted living facilities
 - Social rehabilitation facilities
 - **I-2:** Buildings or structures used for medical, surgical, psychiatric, nursing or custodial care on a 24-hour basis for more than 6 persons of any age who are classified at nonambulatory or bedridden
 - Hospitals
 - Nursing homes
 - Mental hospitals
 - Detoxification facilities
 - **I-3:** Buildings or structures inhabited by one or more persons under restraint
 - Prisons
 - Jails
 - Reformatories
 - Detention centers
 - Correctional centers
 - Juvenile halls
 - **I-4:** Day care facilities outside of the home for more than 6 persons of any age who receive custodial care outside of the persons home for less than 24 hours by individuals other than parents, guardians and relatives
 - 6 or fewer persons is classified as R-3
 - Includes adult and child care facilities

Mercantile Group M (309)

- Buildings or structures or a portion thereof for display and sale of merchandise which involves stocks of goods or wares available to the public (309.1)
 - Department stores
 - Drug stores
 - Markets
 - Motor fuel-dispensing facilities
 - Retail or wholesale stores
 - Sales rooms

Residential Group R (310)

- Includes use of buildings or structures or a portion thereof for sleeping purposes
 - **R-1:** Occupancies containing sleeping units where occupants are primarily transient (not more than 30 days) in nature
 - Includes
 - Boarding houses (transient)
 - Hotels (transient)
 - Motels (transient)

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- **R-2:** Occupancies containing sleeping units or more than two dwelling units where occupants are primarily permanent in nature
 - Includes
 - Boarding houses (nontransient)
 - Motels (nontransient)
 - Hotels (nontransient)
 - Apartment houses
 - Convents
 - Dormitories
 - Fraternities & sororities houses
 - Monasteries
 - Vacation timeshare properties
- **R-3:** Residential occupancies where the occupants are primarily permanent in nature (and are not classified in R-1, R-2, R-3.1, R-4 or I)
 - Includes but not limited to:
 - Duplexes
 - Single family dwellings
 - Day care homes
 - Townhouses not more than 3 stories above grade in height with a separate means of egress
 - Adult care facilities that provide accommodations for clients of any age for less than 24 hours (day-care) (otherwise Group E)
 - Child care facilities that provide accommodations for clients of any age for less than 24 hours (otherwise Group E – more than 6 children 2-1/2 years & older)
- **R-4:** Residentially based 24-hour care facility providing accommodations for more than six ambulatory clients of any age excluding staff (Less than 24 hours is I-4)
 - Includes but not limited to:
 - Adult residential facilities
 - Congregate living health facilities
 - Foster family homes
 - Group homes
 - Intermediate care facilities
 - Nurseries for full time care of children under the age of six
 - Residential care facilities for the elderly

Storage Group S (311)

- Includes the use of the building or structure or a portion thereof that is not classified as a hazardous occupancy
- Three categories include:
 - **S -1:** A structure or portion of a structure that is used for moderate-hazardous storage
 - Aerosols, levels 2 & 3
 - Aircraft repair hangar
 - Bags: cloth, burlap & paper
 - Bamboos & rattan

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- Baskets
- Belting: canvas & leather
- Books & paper in rolls cks
- Boots & shoes
- Buttons, including cloth covered, pearl or bone
- Cardboard & cardboard boxes
- Clothing, woolen wearing apparel
- Cordage
- Dry boat storage (indoor)
- Furniture
- Furs
- Glues, mucilage, pastes & size
- Grains
- Horns & combs, other than celluloid
- Leather
- Linoleum
- Lumber
- Motor vehicle repair garages
- Photo engravings
- Resilient flooring
- Silks
- Soaps
- Sugar
- Tires, bulk storage
- Tobacco, cigars, cigarettes & snuff
- Upholstery & mattresses
- Wax candles
- **S-2:** A structure or portion of a structure that is used for low-hazardous storage
 - Aircraft hangar
 - Asbestos
 - Beverages up to & including 12% alcohol content
 - Cement in bags
 - Chalk & crayons
 - Dairy products in non-waxed coated containers
 - Dry cell batteries
 - Electrical coils
 - Electrical motors
 - Empty cans
 - Food products
 - Foods in noncombustible containers
 - Fresh fruits & vegetables in nonplastic trays or containers
 - Frozen foods
 - Glass
 - Glass bottles, empty or filled with noncombustible liquids
 - Gypsum board storage
 - Inert pigments
 - Ivory

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- Meats
- Metal cabinets
- Metal desks with plastic tops & trim
- Metal parts
- Metals
- Mirrors
- Oil-filled & other types of distribution transformers
- Parking garages, open or enclosed
- Porcelain & pottery
- Stoves (ranges)
- Talc & soapstones
- Washers & dryers
- **Third is not rated** - A structure or portion of a structure that is used for low-hazardous storage

Utility and Miscellaneous Group U (312)

- Buildings and structures of an accessory character and miscellaneous structures not classified in any specific occupancy
- Group U shall include, but not be limited to:
 - Agricultural buildings
 - Aircraft hangars that are accessory to residence
 - Barns
 - Carports
 - Fences more than 6 feet high
 - Grain silos, accessory to residence
 - Livestock shelters
 - Private garages
 - Retaining walls
 - Sheds
 - Stables
 - Tanks
 - Towers

Laboratories Group L (313)

- Use of a building or structure, or portion thereof, containing one or more laboratory suites

NOTES:

- Focus on the categories listed above as it is not necessary for the IDEX CALIFORNIA to further break down the categories
- There are many exceptions to the majority of the codes and are determined by the conditions and building department