



# 2024 IFC Fire Protection Requirements Based on Occupancy Groups\*

Occupancy		Fire Alarm Requirements**	Fire Sprinkler Requirements**
A-1	Theaters, Concert halls, Movie theaters		Fire area >12,000 SF Occupant load >299 Fire area on floor other than exit discharge Fire area contains multi-theater complex
A-2	Banquet halls, Night clubs, Restaurants, Taverns and bars		Fire area >5,000 SF Occupant load >99 Fire area on floor other than exit discharge
A-3	Community halls, Museums, Funeral parlors, Churches, Libraries		Fire area >12,000 SF Occupant load >299 Fire area on floor other than exit discharge
A-4	Arenas, Skating rinks, Swimming pools (Indoor)		Fire area >12,000 SF Occupant load >299 Fire area on floor other than exit discharge
A-5	Bleachers, Grandstands, Stadiums (Outdoor)		Enclosed accessory use areas >1,000 SF Spaces under grandstands or bleachers <1,000 SF and not constructed in accordance with 1030.1.1.1
B	Banks, Clinics-outpatient, Educational above 12th grade, Post offices, Professional Services, Labs, Civic administration	Manual ≥500 occupant load Manual ≥100 above or below level of exit discharge (Pull stations not required if sprinklered) Fire area contains an Ambulatory Care Facility	
	Ambulatory health-care facilities	Automatic smoke detection (unless sprinklered throughout)	≥4 patients incapable of self-preservation ≥1 patients incapable of self-preservation above or below exit discharge
E	≥6 persons through 12th grade, Day care > 5 persons but >2-1/2 years old	Manual ≥50 occupant load Voice evac >100 occupant load (Pull stations not required if sprinklered or where detection provided)	Fire area >12,000 SF Fire area below or above exit Fire area occupant load >299
F-1	Moderate Hazard - Aircraft, Bakeries, Electronics, Alcohol > 20% ABV, Laundries	Manual ≥2 stories in height and ≥500 occupant load above or below level of exit discharge (Pull stations not required if sprinklered)	Fire area >12,000 SF Fire area located >3 stories above grade Combined fire area > 24,000 SF Manufacture of upholstered furniture >2,500 SF
	Woodworking		Fire area > 2,500 SF
F-2	Low Hazard - Alcohol ≤20% ABV, Foundries, Metal fab/assembly		F-1: Manufacture of Li-ion or Li-metal batteries Manufacture of vehicles, ESS or equipment with Li batteries installed
H-1	Explosives, Oxidizers, Unstable	Manual for organic coatings Smoke detection required for highly toxic gases, organic peroxides and oxidizers	All
H-2	Combustible dusts, Flammable gases		
H-3	Flammable liquids ≤15 psi, Flammable solids		
H-4	Corrosives, Toxic		
H-5	Semiconductor fabrication facilities		

I-1	Assisted living facilities, Group homes, Alcohol and drug centers	Automatic and Manual Pull stations not required at exits if located at all care provider stations Sleeping areas to have single- or multiple-station detection	All, with exceptions for I-4  I-4: Required where care is provided on a level other than level of exit discharge
I-2	Hospitals, Nursing homes, Care 24hr >5 persons, Detox	I-1: Smoke detectors in corridors, waiting areas and habitable spaces, unless sprinklered Smoke detectors in corridors in some I-2 occupancies	
I-3	Jails, Correctional centers	Occupant notification not required in private mode systems (if approved by Fire Code Official)	
I-4	Day care facility any age <24 hr care with >5 persons		
M	Department stores, Markets, Retail sales	Manual ≥500 occupant load Manual ≥100 above or below level of exit discharge (Pull stations not required if sprinklered)	Fire area >12,000 SF High-Piled Combustible or Rack Storage Fire area located >3 stories above grade Combined fire area >24,000 SF Display and sale of upholstered furniture >5,000 SF Storage of Li batteries
R-1	Hotels, Motels, Boarding houses (Transient)	Manual and automatic if interior corridors serve sleeping units Sleeping areas to have single- or multiple-station detection	All
R-2	Apartment houses, Dormitories, Hotels (Nontransient)	Manual if ≥3 stories above level of exit discharge; >1 story below exit discharge; >16 total unit Single- or multiple-station detection	All
R-3	Single family, Adult/Child care ≤5 persons < 24 hr	Single- or multiple-station detection Monitoring not required for one- and two-family dwellings	All, with exceptions
R-4	Residential care for >5 and ≤16 persons		All
S-1	Moderate Hazard - Books, Furniture, Lumber, Grains, Beverages > 20% ABV	Manual if >3 stories in height for self-storage occupancies, unless sprinklered Detection in Li battery storage throughout fire area	Fire area >12,000 SF or located >3 stories above grade Combined fire area >24,000 SF Commercial vehicle storage >5,000 SF Storage of upholstered furniture >2,500 SF Alcohol > 20% ABV Li batteries > 500 SF
	Motor-vehicle repair garages		Fire area >12,000 SF ≥2 stories with >10,000 SF Servicing vehicles parked in basement Repairing commercial vehicles and >5,000 SF
	Bulk tire storage		>20,000 CF
S-2	Low hazard - Foods, Metals, Parking garages, Beverages ≤20% ABV		Enclosed parking garages >12,000SF Enclosed garages beneath other use groups Commercial vehicle parking >5,000 SF
U	Barns, Livestock shelters, Sheds		
Misc	All Except R3 & U	Voice for covered malls >50,000 SF; Atrium >2 stories; Lowest level >60 feet below grade; Monitoring for all fire-sprinkler systems	Windowless stories >1,500 SF; Non-compliant emergency vehicle access; Non-compliant fire flow; Exterior hose coverage >150 feet for non-sprinklered, >300 feet for sprinklered
Misc	High Rise	Voice evac	> 55' above grade, OL >99
Misc	High-piled Storage	Automatic smoke detection	All

\* This is a summary of 2024 IFC and local amendments. LFRA, as the AHJ, retains final authority to determine compliance.

\*\* All new or modified fire-sprinkler systems shall be monitored by an approved fire-alarm system. Full occupant notification is required for all new or modified fire-alarm systems.