

Occupancy Type		Fire Alarm Requirements	Fire Sprinkler Requirements
A-1	Theaters, Concert halls	Manual ≥ 300 persons Manual ≥ 100 persons above or below level of exit discharge Voice evac ≥ 1000 persons Pull stations not required if sprinkled and full building notification provided with water flow	Fire area > 12,000 SF Occupant load > 300 Fire area on floor other than exit discharge Fire area contains multi-theater complex
A-2	Banquet halls, bars, taverns, nightclubs, restaurants		Fire area > 5,000 SF Occupant load > 100 Fire area on floor other than exit discharge
A-3	Community halls, dance halls, libraries, museums, funeral parlors		Fire area > 12,000 SF Occupant load > 300 Fire area on floor other than exit discharge
A-4	Arenas, skating rinks, indoor swimming pools		Fire area > 12,000 SF Occupant load > 300 Fire area on floor other than exit discharge
A-5	Bleachers, stadiums, grandstands, outdoor swimming pools		Enclosed spaces beneath bleachers: concession stands, retail areas, press boxes and other accessory uses >1,000 SF
B	Banks, outpatient clinics, educational above 12th grade, post offices, professional services, motor vehicle sales, laboratories	Manual ≥ 500 persons on all floors Manual ≥ 100 above or below level of exit Pull stations not required if sprinkled and full building notification provided with water flow Fire area contains an Ambulatory Care Facility	
	Ambulatory healthcare facilities	Automatic and Manual (partial automatic unless sprinkled throughout)	≥ 4 patients incapable of self-preservation ≥ 1 patient incapable of self-preservation above or below level of exit
E	≥ 6 persons through 12th grade, Day care > 5 persons over 2-½ years old	Manual ≥ 50 persons Voice evac required Manual pull stations exceptions allowed	Fire area > 12,000 SF Fire area not on level of exit discharge Fire area occupant load ≥ 300
F-1	Moderate Hazard: Aircraft, Bakeries, Electronics, Engines, Laundries	Manual ≥ 2 stories height <u>and</u> ≥ 500 persons above or below level of exit	Fire area > 12,000 SF Fire area located ≥ 3 stories above grade Combined fire area > 24,000 SF > 2,500 SF for manufacturing of upholstered furniture or mattresses
	Woodworking		Fire area > 2,500 SF
F-2	Low Hazard: Brick, Foundries, Gypsum, Ice, Metal fabrication and/or assembly	Pull stations not required if sprinkled and full building notification provided with water flow	
H-1	High Hazard: Explosives, Oxidizers, Unstable	Manual for H-5 and manufacture of organic coatings Smoke detection required for highly toxic gases, organic peroxides and oxidizers Manual	All H occupancies and fire areas
H-2	High Hazard: Combustible dusts, Flammable gases		
H-3	High Hazard: Flammable liquids <15 psi, Flammable solids		
H-4	High Hazard: Corrosives, Toxic		
H-5	High Hazard: Semiconductor facilities		

Occupancy		Fire Alarm Requirements	Fire Sprinkler Requirements
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	All Group I occupancies and fire areas Exception: I-4 day care facilities at level of exit discharge where every room has at least one exterior exit door
I-2	Hospitals, Nursing homes, Child care 24hr >5 persons	Sleeping areas to have single or multiple station detection I-1: Smoke detectors in corridors, waiting areas and habitable spaces	
I-3	Prisons, Correctional centers	Smoke detectors in corridors in some I-2 occupancies	
I-4	Day care facility any age < 24 hr care with > 5 persons	Occupant notification not required in private mode systems if approved by Fire Code Official	
M	Department stores, Markets, Retail sales	Manual ≥ 500 persons on all floors Manual ≥ 100 above or below level of exit Pull stations not required if sprinkled and full building notification provided with water flow	Fire area > 12,000 SF Fire area located ≥ 3 stories above grade Combined fire areas on all floors > 24,000 SF Display and sale of upholstered furniture or mattresses > 5,000 SF High-Piled Combustible Storage
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 Group R fire areas
R-2	Non-transient living: Apartment houses, Dormitories, Hotels (non-transient)	Manual if unit ≥ 2 stories above level of exit Manual if unit > 1 story below exit or Manual if > 16 total units Sleeping areas to have single or multiple station detection Smoke detection in specific rooms for college and university buildings	
R-3	Non-transient living: ≤ 2 dwelling units, Care facility for ≤ 5 persons, others not R-1,-2, or -4	Single or multiple station detection	
R-4	Residential care for > 5 ≤ 16 persons		
S-1	Moderate Hazard: Books, Furniture, Lumber	Water flow monitoring	Fire area > 12,000 SF Fire area located ≥ 3 stories above grade Combined fire area on all floors > 24,000 SF Commercial garage > 5,000 SF Storage of upholstered furniture or mattresses > 2,500 SF
	Repair garages		≥ 2 stories above grade, including basements, with repair garage fire area >10,000 SF 1 story building with repair garage fire area > 12,000 SF Servicing vehicles in basements Servicing commercial vehicles with repair garage area > 5,000 SF
	Bulk tire storage		> 20,000 SF
S-2	Low hazard: Foods, Metals, Parking garages	Water flow monitoring	Fire area of enclosed garage >12,000 SF Enclosed garage beneath other use groups Commercial garage > 5,000 SF
Misc	Refer to 2018 IFC	As noted in 2018 IFC Section 907.2.11 through 907.2.23	As noted in 2018 IFC Section 903.2.11