



Occupancy	Occupancy Examples	Fire Alarm	Fire Sprinkler
All Except R3 and U (unless noted)		Atrium connecting more than 2 floors Lowest level of structure >60 below grade Covered Mall Buildings Central monitoring - (inc R3) Special areas to be protected - SMC 17F.080.090	Basement >1,500 SF w/o opng w/in 75' off all pts with rdirect exit to grade. Rubbish and linen chutes
>55 feet to highest floor from apparatus setup		Tenant spaces exceeding 1,000 SF Voice required	Required
Day Cares		<=50 children - single station smoke detection	required if I occupancy
		>50 children - automatic	E and I occupancies
		>99 children - automatic/voice	
All A		Automatic >=300 people Voice >=1000 people	Multiple fire areas share exits and combined exit load is 300 or more.
A1	Motion Picture Theaters Symphony/Concert Halls TV/Radio Studios  Theaters	No manual pull stations required if sprinklered Automatic >100 above or below lowest level of egress	Fire Area exceeds 12,000 SF Occupant Load 300 or more Fire area on floor other than level of discharge - floor of and throughout all floors including the level of exit discharge. Fire area contains multitheater complex
A2	Banquet halls Night Clubs, taverns, bars Restaurants		Floor area exceeds 5,000 SF Occupant Load 100 or more Fire area on floor other than level of discharge - floor of and throughout all floors including the level of exit discharge. Occupied roof >100 occupants - entire building
A3	Amusement arcades, Art galleries, bowling, churches, Gyms, Libraries, museums, indoor pools, etc.		Fire Area exceeds 12,000 SF Occupant Load 300 or more Fire area on floor other than level of discharge floor of and throughout all floors including the level of exit discharge. Occupied roof >300 occupants - entire building
A4	Arenas Skating Rinks Swimming Pools Tennis Courts		Fire Area exceeds 12,000 SF Occupant Load 300 or more Fire area on floor other than level of discharge floor of and throughout all floors including the level of exit discharge. Occupied roof >300 occupants - entire building
A5	Bleachers, grandstands, Stadiums		Concession stands, retail, press boxes and other accessory use areas > 1,000 SF Enclosed areas under bleachers < or equal to 1,000 SF not 1-hour rated Enclosed areas under bleachers >1,000 SF Emergency voice/alarm caption >=15,000 occ. Occupied roof >300 occupants - entire building
B	Banks, barbers, clinic, >12th Grade, Labs, Post Offices, Professional services, TV/Radio Stations, Offices	Automatic >=500 people Automatic >=100 people above or below exit level Height of 55 FT or more No manual pull stations required if sprinklered	Height of 55 FT or more
	Ambulatory health Care	Automatic No manual pull stations required if sprinklered	4 or more patients* 1 or more patients not at level of exit discharge*
E	6 or more persons thru 12th grade, day care > 5 kids	Automatic - more than 50 occupants	Occupant load more than 50
		Automatic/Voice - more than 100 occupants Exception for Manual Pulls (907.2.3)	Aggregate area exceeds 5,000 SF Clustered portables unless exempt
F1	Moderate Hazard - appliances, bakeries, clothing, furniture,	Automatic is required when the occupancy is two or more stories in height	Fire Area exceeds 12,000 SF Fire Area is more than three stories above grade



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	printing, shoes, trailers, etc.	Automatic >500 persons above or below exit level No manual pull stations required if sprinklered	Combined fire area exceeds 24,000 SF Woodworking - >2,500 SF Upholstered furniture/mattresses >2,500 SF
F2	Low Hazard - beverages, brick foundries, ice, metal fab/assem		
H1	High Hazard - explosives, oxidizers, unstable materials		Automatic
H2	High Hazard - combustible dusts, flammable gases		
H3	High Hazard - Liquids <15 psi solids		
H4	Corrosives, highly toxic, toxic Materials		
H5	Semiconductor facilities	H5 - Automatic for highly toxic gases, organic peroxides, and oxidizers	Any building containing H5
I1	Assisted Living Board and Care Congregate Care	Automatic Central manual pull allowed Sleeping areas to have single or multiple station smoke detection	Any building containing I
I2	Hospitals Nursing Homes Mental Hospitals Child Care 24 hr >5		
I3	Prisons Jails Detention Facilities	Automatic (907.2.6.3.3)	
I4	Day Care Facilities any age <24 hr >5 persons	Automatic - more than 50 occupants Automatic/Voice - more than 100 occupants Exception for Manual Pulls (907.2.3)	
M	Department Stores, drug stores, markets, motor fuel dispensing, retail or wholesale, sales rooms, open or closed malls.	Automatic >=500 people Automatic >=100 people above or below exit level Automatic >12,000 SF (SMC) No manual pull stations required if sprinklered	Fire Area exceeds 12,000 SF Fire Area is more than three stories above grade Combined fire area exceeds 24,000 SF High piled or rack storage arrays Display/sales of upholstered furniture > 5,000 SF
R1	Transient Boarding homes, hotels, motels	Automatic - 5 or more units/guest rooms Greater than two floors Not reqd for 2 levels with each unit having direct exit	Any building containing R
R2	Apartment houses, dorms, boarding homes (not transient) frats and sororities, Hotels, Motels Dorms and University residential	No manual pull stations required if sprinklered ADA Type A-accessible communication features ADA Type B-prewired for building notification Automatic Detection connected to building fire alarm system	
R3	Single family, duplex, child care <=5 persons <24 hr	Single/multiple station smoke alarms	
S1	Moderate Hazard - books, furniture, lumber, tires, Repair Garages Bulk Tire Storage		Fire Area exceeds 12,000 SF Fire Area is more than three stories above grade Commercial garage >5,000 Combined fire area exceeds 24,000 SF Upholstered furniture/mattresses > 5,000 SF 2 or more Floors exceeding 2,500 SF total area 1 story >12,000 SF Repair garage parking vehicles in basement Commercial vehicle repair >5,000 storage exceeds 20,000 SF
S2	Low Hazard - foods, metals, glass, parking garages, appliances		Enclosed parking garages >12,000 SF Enclosed parking garage is below other groups - Except: garages below R3 occupancies Commercial garage >5,000