

Occupancy		Fire Area Separation (IBC Table 707.3.9)	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 - more than 20 sprinklers (inc R3) Special areas to be protected - SMC 17F.080.090	Basement >1,500 SF w/o openings Rubbish and linen chutes
High Rise (>55 feet to floor)			Tenant spaces exceeding 1,000 SF Voice required	Required
Day Cares			<=50 children - single station smoke detection >50 children - automatic	required if I occupancy may be required if E occupancy
A1	Motion Picture Theaters Symphony/Concert Halls TV/Radio Studios Theaters	2	Automatic >=300 people Voice >=1000 people No manual pull stations required if sprinklered	Fire Area exceeds 12,000 SF Occupant Load 300 or more Fire area on floor other than level of discharge Fire area contains multitheater complex
A2	Banquet halls Night Clubs, taverns, bars Restaurants	2		Floor area exceeds 5,000 SF Occupant Load 100 or more Fire area on floor other than level of discharge
A3	Amusement arcades, Art galleries, bowling, churches, Gyms, Libraries, museums, indoor pools, etc.	2		Fire Area exceeds 12,000 SF Occupant Load 300 or more Fire area on floor other than level of discharge
A4	Arenas Skating Rinks Swimming Pools Tennis Courts	2		Fire Area exceeds 12,000 SF Occupant Load 300 or more Fire area on floor other than level of discharge
A5	Bleachers, grandstands, Stadiums	2		Concession stands, retail, press boxes and other accessory use areas > 1,000 SF
B	Banks, barbers, clinic, >12th Grade, Labs, Post Offices, Professional services, TV/Radio Stations, Offices	2	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	2	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	2	Automatic - 50 or more occupants Exception for Manual Pulls (907.2.3)	Occupant load more than 50 Aggregate area exceeds 5,000 SF Clustered portables unless exempt
F1	Moderate Hazard - appliances, bakeries, clothing, furniture, printing, shoes, trailers, etc.	3	Automatic is required when the occupancy is two or more stories in height Automatic >500 persons above or below exit level 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 Woodworking - >2,500 SF
F2	Low Hazard - beverages, brick foundries, ice, metal fab/assem	2		
H1	High Hazard - explosives, oxidizers, unstable materials	4	Manual for H5 only and manufacture of organic coatings.	Automatic
H2	High Hazard - combustible dusts, flammable gases	4	Automatic for highly toxic gases, organic peroxides, and oxidizers	
H3	High Hazard - Liquids <15 psi solids	3		
H4	Corrosives, highly toxic, toxic Materials	2		
H5	Semiconductor facilities	2		Any building containing H5
I1	Assisted Living Board and Care Congregate Care	2	Automatic Central manual pull allowed Sleeping areas to have single or multiple station smoke detection	Any building containing I
I2	Hospitals Nursing Homes	2		

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	Mental Hospitals Child Care 24 hr >5			
I3	Prisons Jails Detention Facilities	2	Automatic (907.2.6.3.3)	
I4	Day Care Facilities any age <24 hr >5 persons	2	Manual pull stations at all exits	
M	Department Stores, drug stores, markets, motor fuel dispensing, retail or wholesale, sales rooms	2	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 and sales of upholstered furniture
R1	Transient Boarding homes, hotels, motels	2	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	2	No manual pull stations required if sprinklered ADA Type A-accessible communication features ADA Type B-prewired for building notification	
R3	Single family, duplex, child care <=5 persons <24 hr	2		
S1	Moderate Hazard - books, furniture, lumber, tires,	3		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
	Repair Garages	3		2 or more Floors exceeding 10,000 SF total area 1 story >12,000 SF Repair garage parking vehicles in basement Commercial vehicle repair >5,000 storage exceeds 20,000 SF
	Bulk Tire Storage	3		
S2	Low Hazard - foods, metals, glass, parking garages, appliances	2		Enclosed parking garages >12,000 SF Enclosed parking garage is below other groups - Except: garages below R3 occupancies Commercial garage >5,000