

**INTERIOR FINISHES (Chapter 8)**

Smoke development (803.3.2) *NOIS FINISH*  
 - flame spread (803.4) \_\_\_\_\_  
 Floor finish (806.6, 806.7)  
 Interior hangings and decorations (807.2)

**FIRE PROTECTION SYSTEMS (Chapter 9)**

**FIRE SUPPRESSION SYSTEMS (Where required)**  
 Assembly (A-1, A-3, A-4) (804.2)  
 Assembly (A-2) (804.3)  
 Educational (E) (804.4)  
 High hazard (H) (804.5)  
 Institutional (I) (804.6)  
 Mercantile (M), Moderate-hazard storage (S-1), Factory and industrial (F-1) (804.7)  
 Residential (R-1) (804.8)  
 Residential (H-2) (804.9)  
 Residential care (W-1, W-2)  
 Windowless storey (S04.11)  
 Specific occupancy areas (804.12)  
 Covered mall buildings (802.10)  
 High-rise buildings (803.2, 803.3)  
 Airports (804.2, 804.3)  
 Underground structures (803.3)  
 Public garages (803.4)  
 Sound stages (807.2)  
 Stages and enclosed platforms (812.5)  
 Special occupancy buildings (813.4)  
 IPM facilities (815.4)  
 -air spray booths and storage rooms (818.3)  
 Unimixed free buildings (827.1)  
 Exit discharge kitchens (809.4)  
 Drying rooms (828.4)  
 Waste and non-chimney emission rooms (805.2)  
 Rafter vaults (850.4)

**FIRE SUPPRESSION SYSTEMS (Where permitted)**  
 Design (807.3)  
 Actuation (807.4)  
 Standpipe curricula (807.6)  
 Dimmable supply (807.6.1)  
 Cross curricula (807.6.2)  
 R-shutoff valve (807.6.3)  
 \*See also Sprinkler Plan Review Manual

**OTHER SUPPRESSION SYSTEMS**  
 Water-spray fixed systems (809.1)  
 Carbon dioxide extinguishing systems (809.2)  
 Dry-chemical extinguishing systems (810.2)  
 Foam extinguishing systems (811.2)  
 Halogenated extinguishing systems (812.2)  
 Clean agent extinguishing systems (813.2)  
 Wet-chemical extinguishing systems (814.3)

**STANDPIPE SYSTEMS**

Building height (816.2.1)  
 Building area (816.2.2)  
 Ballois (816.2.3)  
 Stages (816.2.4)  
 Approved system (816.3, 816.3.1)  
 Piping design (816.4)  
 Water supply (816.5)  
 Check valves (816.6)  
 Fire connections (816.7)

**FIRE DEPARTMENT CONNECTIONS**

Required (818.1)  
 Connections (818.2)

**WALL PENETRATIONS**

Fire tests (817.1)

**FIRE ALARM SYSTEMS**

Approval (812.3)  
 Assembly (A-1), Educational (E) (812.4.1)  
 Business (E) (812.4.2)  
 High-hazard (H) (812.4.3)  
 Institutional (I) (812.4.4)  
 Residential (R-1) (812.4.5)  
 Residential (R-2) (812.4.6)  
 Location details (812.5)  
 Power supplying (812.5.1, 812.5.2)  
 Alarm notification appliances (812.6)  
 Key-alarm signaling system (812.7)

**AUTOMATIC FIRE DETECTION SYSTEMS**

Approval (819.3)  
 Installation (I) (819.4.1, 819.4.2, 819.4.3)  
 Residential (R-1) (819.4.4)  
 Sprinklered buildings exception (819.5)  
 Zones (819.6)

**SINGLE AND MULTIPLE STATION SMOKE DETECTORS**

Residential (R-1) (820.3.1)  
 Residential (R-2, R-3) (820.3.2)  
 Institutional (I-1) (820.3.3)  
 Institutional care (820.4)  
 Delivery backup (820.5)

**FIRE EXTINGUISHERS**

Approval (821.1)  
 Required (821.2)

**SMOKE CONTROL SYSTEMS**

Passive system (822.1.1)  
 Mechanical system (822.2.1)  
 Smoke removal (822.3)  
 Appliances (822.4)  
 Standby power (822.5)

**SMOKE AND HEAT VENTING**

Structural framing (823.2)

**SUPPRESSION**

Fire suppression systems (824.1)  
 Fire alarm systems (824.2)

CASE 2 MIXED USE SEPARATED USE CODES (02.1.2)

Using Table 503, identify the use, use height and area of each of the separated use groups within the building. Construction types that provide for each story of the building, tabular areas which total 100% of the total area of use and allowable heights as modified by Section 505.0, equal floor areas and equal floor areas are permitted.

Story	Use Group	Actual floor area	Adjusted floor area*	Actual height	Allowable height (Table 503)
1	Office	12,000	12,000	12	12
2	Office	12,000	12,000	12	12
3	Office	12,000	12,000	12	12
4	Office	12,000	12,000	12	12
5	Office	12,000	12,000	12	12
6	Office	12,000	12,000	12	12
7	Office	12,000	12,000	12	12
8	Office	12,000	12,000	12	12
9	Office	12,000	12,000	12	12
10	Office	12,000	12,000	12	12

\*Adjusted floor area - actual floor area times use factor

2. Allowable area (Table 503)

Permitted types of construction \_\_\_\_\_ Type of construction assumed for review (602.0)

UNLIMITED AREA ONE-STORY BUILDINGS

Use group classification (507.1)	Safe buildings (507.1.1)
Building height (story, feet) (507.1)	light hazard use groups (507.1.2)
Type of construction (507.1)	Exterior walls (507.1.3)
Automatic sprinkler system (507.1.305.1.2)	Openness (507.1.4)
Fire alarm (505.2)	MF-30 MINUTES
Egress (505.3)	

SPECIAL USE AND OCCUPANCY (Chapter 4)

COMMERCE BUILDINGS	HIGH-RISE BUILDINGS
Entire requirements (402.4)	Parking structures (402.15)
Egress (402.5)	Structural columns (402.16)
Mail vault (402.6)	Automatic sprinkler system (402.17)
Structural elements (402.7)	Automatic sprinkler modification (402.18)
Roof coverings (402.8)	Automatic fire detection (402.19)
1-1 A-2 occupancy (402.9)	Minimum beam signaling systems (402.20)
1-2 Small structure height (402.10)	Fire department communication system (402.21)
Stairwells (402.11)	Fire communication system (402.22)
1-16 Steps, ramps, elevators (402.12)	Elevators (402.23)
Roof requirements (402.14)	Stairway systems (402.24)
	Stairway systems (402.25)

MEANS OF EGRESS (continued)

General limitations (1006.0)	Number of exits (1017.0)
Exit movement in egress elements (1006.1)	Size of doors (1017.1)
Types and location of egress (1006.2)	Door hardware (1007.4)
Exit access travel distance (1006.3 and 1006.3.1)	Revolving doors (1016.0)
Accessible means of egress (1007.0)	Horizontal exits (1019.0)
Emergency escape (1010.4)	Discharge from exit stairways (1020.0)
Exit access passageways and corridors (1011.0)	Stairways (1021.0)
Stair and passageways (1011.1)	Stairways - Ramps (1021.1)
Stairways (1011.2)	Handrails (1022.0)
Interior stairways (1014.1 - 1014.1.1)	Exit signs and lights (1023.0)
Exterior stairways (1014.1 - 1014.1.2)	Means of egress lighting (1024.0)
Smokeproof enclosures (1015.0)	Access to roof (1027.0)

ACCESSIBILITY\* (Chapter 11)

Reynolds (1103.0)	Special use groups (1107.0)
Access route (1104.0)	Features and facilities (1108.0)
Parking facilities (1105.0)	Warnings and signage (1109.0)
Accessibility for animals (1105.1)	

\*See also Accessibility Plan Review Report

INTERIOR ENVIRONMENT (Chapter 12)

Room dimensions (1204.0)	Airborne noise (STC) (1214.2)
Partitions (1210.1 - 1210.2)	Structure borne sound (C) (1214.3)
Crawl spaces (1210.2 - 1210.3)	Resilient (1215.0)

BUILDING ENVELOPE (Chapters 13, 14, 15)

Construction documents (1403.0)	Wall endings and windows (1405.0, 1405.1)
Performance requirements (1404.0)	Compatible material reflecting (1407.0)

\*See Energy Conservation Plan Review Report



