

INTERIOR FINISHES (Chapter 8)

Smoke development (803.3.2) _____
 Flame spread (803.4) _____
 Interior hangings and decorations (807.0) _____

FIRE PROTECTION SYSTEMS (Chapter 9)

WATER ASSEMBLY
USE 4B
USE 4B
USE 4B

FIRE SPRINKLER SYSTEMS*

Assembly (A-1) (904.2) _____
 Assembly (A-2) (904.3) _____
 Educational (E) (904.4) _____
 High-hazard (H) (904.5) _____
 Institutional (I) (904.6) _____
 Mercantile (M), Moderate-hazard storage (S-1), Factory and Industrial (F-1) (904.7) _____
 Residential (R-1) (904.8) _____
 Residential (R-2) (904.9) _____
 Residential care (904.10) _____
 Windowless story (904.11) _____
 Specific occupancy areas (302.1.1, 904.12) _____
 Covered mall buildings (402.10) _____
 High-rise buildings (413.2, 403.3) _____
 Atriums (404.2, 404.3) _____
 Underground structures (405.3) _____
 Public garages (408.3.1) _____
 Sound stages (411.7) _____
 Stages and enclosed platforms (412.6) _____
 Special amusement buildings (413.4) _____
 HPM facilities (416.4) _____
 Paint spray booths and storage rooms (419.3) _____
 Unlimited area buildings (507.1) _____
 Exit discharge lobbies (1020.4) _____
 Drying rooms (2808.4) _____
 Waste- and linen-chutes/termination rooms (2809.6) _____
 Refuse vaults (2810.4) _____

*See also Sprinkler Plan Review Record

LIMITED AREA SPRINKLER SYSTEMS

Where permitted (907.2) _____
 Design (907.3) _____
 Actuation (907.4) _____
 Standpipe connection (907.6) _____
 Domestic supply (907.6.1) _____
 Cross connection (907.6.2) _____
 Shutoff valve (907.6.3) _____

OTHER SUPPRESSION SYSTEMS

Water-spray fixed systems (908.0) _____
 Carbon dioxide extinguishing systems (909.0) _____
 Dry-chemical extinguishing systems (910.0) _____
 Foam-extinguishing systems (911.0) _____
 Halogenated extinguishing systems (912.0) _____
 Clean agent fire extinguishing systems (913.0) _____
 Wet-chemical range hood extinguishing systems (914.0) _____

STANDPIPE SYSTEMS

Building height (915.2.1) _____
 Building area (915.2.2) _____
 Malls (915.2.3) _____
 Stages (915.2.4) _____
 Approved system (915.3, 915.3.1) _____
 Piping design (915.4) _____
 Water supply (915.5) _____
 Control valves (915.6) _____
 Hose connection (915.7) _____

FIRE DEPARTMENT CONNECTIONS

Required (916.1) _____
 Connections (916.2) _____

YARD HYDRANTS

Fire hydrants (917.1) _____

FIRE ALARM SYSTEMS

Approval (918.3) _____
 Assembly (A-4), Educational (E) (918.4.1) _____
 Business (B) (918.4.2) _____
 High-hazard (H) (918.4.3) _____
 Institutional (I) (918.4.4) _____
 Residential (R-1) (918.4.5) _____
 Residential (R-2) (918.4.6) _____
 Location/details (918.5) _____
 Power supply/wiring (918.6, 918.7) _____
 Alarm-notification appliances (918.8) _____
 Voice/alarm signaling system (918.9) _____

AUTOMATIC FIRE DETECTION SYSTEMS

Approval (919.3) _____
 Institutional (I) (919.4.1, 919.4.2, 919.4.3) _____
 Residential (R-1) (919.4.4) _____
 Sprinklered buildings (919.5) _____
 Zones (919.6) _____

SINGLE- AND MULTIPLE-STATION SMOKE DETECTORS

Residential (R-1) (920.3.1) _____
 Residential (R-2, R-3) (920.3.2) _____
 Institutional (I-1) (920.3.3) _____
 Interruption (920.4) _____
 Battery backup (920.5) _____

FIRE EXTINGUISHERS

Approval (921.1) _____
 Approval (921.2) _____

SMOKE CONTROL SYSTEMS

Passive system (922.2.1) _____
 Mechanical system (922.2.2) _____
 Smoke removal (922.3) _____
 Activation (922.4) _____
 Standby power (922.5) _____

SMOKE AND HEAT VENTS

Size and spacing (923.2) _____

SUPERVISION

Fire suppression systems (924.1) _____
 Fire alarm systems (924.2) _____

CASE 2 — MIXED USE SEPARATED USE GROUPS (313.1.2)

Using Table 503, identify the allowable 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 result in a sum of the ratios of 1.00 or less and allowable heights (as modified by Section 504.0) equal to or greater than the actual height of the use group are permitted.

Story	Use Group	Actual floor area	Adjusted floor area*	Actual height	Allowable height (Table 503)
		ft ²	ft ²	ft	ft
		ft ²	ft ²	stories	stories
		ft ²	ft ²	ft	ft
		ft ²	ft ²	stories	stories
		ft ²	ft ²	ft	ft
		ft ²	ft ²	stories	stories
		ft ²	ft ²	ft	ft
		ft ²	ft ²	stories	stories
		ft ²	ft ²	ft	ft
		ft ²	ft ²	stories	stories
		ft ²	ft ²	ft	ft
		ft ²	ft ²	stories	stories

Adjusted floor area = actual floor area/conversion factor

Σ Adjusted floor area = _____ + _____ + _____ = _____ ≤ 1.00

Allowable area (Table 503)

Permitted types of construction _____ Type of construction assumed for review (602.3) _____

UNLIMITED AREA ONE-STORY BUILDINGS

Use group classification (507.1) _____ School buildings (507.1.1)

Building height (story, feet) (507.1) _____ High-hazard use groups (507.1.2)

Type of construction (507.1) _____ Exterior walls (507.2)

Automatic sprinkler system (507.1, 904.12) _____ MEZZANINES

Area limitation (505.2) _____ Openness (505.4)

Egress (505.3) _____

SPECIAL USE AND OCCUPANCY (Chapter 4)

COVERED MALL BUILDINGS

Tenant separations (402.4) _____ Parking structures (402.15)

Egress (402.5) _____ Smoke control (see Atriums)

Mall width (402.6) _____ HIGH-RISE BUILDINGS

Structural elements (402.7) _____ Automatic sprinkler system (403.2)

Roof coverings (402.8) _____ Alternative sprinkler modifications (403.3)

A-1, A-2 occupancy (402.9) _____ Automatic fire detection (403.4)

Automatic sprinkler system (402.10) _____ Voice/alert signaling systems (403.5)

Standpipes (402.11) _____ Fire department communication (403.6)

Fire department access (402.12) _____ Fire command station (403.7)

Kiosk requirements (402.14) _____ Elevators (403.8)

Standby systems (403.9)

Stairway doors (403.10)

MEANS OF EGRESS (continued)

General limitations (1005.0) LANDSCAPE Ramps (1016.0)

Air movement in egress elements (1005.7) OK Means of egress doorways (1016.0)

Types and location of egress (1006.0) 4 Number of doorways (1017.2)

Exit access travel distance (1006.5 and Table 1006.5) 36' Size of door (1017.3)

Accessible means of egress (1007.0) OK Door hardware (1017.4)

Emergency escape (1010.4) NONE Revolving doors (1018.0)

Exit access passageways and corridors (1011.0) NONE Horizontal exits (1019.0)

Aisles and accessways (1012.0) NONE Discharge from exit stairways (1020.0)

Grandstands (1013.0) NONE Guards (1021.0)

Interior stairways (1014.1 - 1014.11) NONE Handrails (1022.0)

Exterior stairways (1014.1 - 1014.10, 1014.12) NOT REQ Exit signs and lights (1023.0)

Smokeproof enclosures (1015.0) _____ Means of egress lighting (1024.0)

Access to roof (1027.0) _____

ACCESSIBILITY* (Chapter 11)

Required (1104.0) _____ Special use groups (1107.0)

Accessible route (1104.0) _____ Features and facilities (1108.0)

Parking facilities (1105.0) _____ Signage and signage (1109.0)

Accessible entrances (1106.0) _____

*See also Accessibility Plan Review Record

INTERIOR ENVIRONMENT (Chapter 12)

Room dimensions (1204.0) OK Air-borne noise (STC) (1214.2)

Roof spaces (1210.1, 1211.2) OK Structure-borne sound (IIC) (1214.3)

Crawl spaces (1210.2, 1211.1) OK Waterproofing (1215.0)

BUILDING ENVELOPE (Chapters 13*, 14, 15)

EXTERIOR WALL COVERINGS (Chapter 14)

Construction documents (1403.0) ✓ Wall sidings and veneers (1405.0, 1406.0)

Performance requirements (1404.0) NA Combustible material restrictions (1407.0)

*See also Energy Conservation Plan Review Record

