

INTERIOR FINISHES (Chapter 8)

Smoke development (803.3.2) _____ Floor finish (805.0, 806.0) _____
 Flame spread (803.4) _____ Interior hangings and decorations (807.0) _____

FIRE PROTECTION SYSTEMS (Chapter 9)

FIRE SUPPRESSION SYSTEMS (Where required)
 Assembly (A-1, A-3, A-4) (904.2) _____ NFPA 13 system (906.2.1) _____
 Assembly (A-2) (904.3) _____ NFPA 13R system (906.2.2) _____
 Educational (E) (904.4) _____ NFPA 13D system (906.2.3) _____
 High-hazard (H) (904.5) _____ Design (906.3) _____
 Institutional (I) (904.6) _____ Actuation (906.4) _____
 Mercantile (M), Moderate-hazard storage (S-1), Factory and Industrial (F-1) (904.7) _____ Sprinkler arms (906.5) _____
 Residential (R-1) (904.8) _____ Sprinkler riser (906.7) _____
 Residential (R-2) (904.9) _____ *See also Sprinkler Plan Review Record _____
 Residential care (904.10) _____
 Windowless story (904.11) _____
 Specific occupancy areas (302.1.1, 904.12) _____
 Covered mall buildings (402.10) _____
 High-rise buildings (403.2, 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 loops (+020.4) _____
 Drying rooms (2808.4) _____
 Waste- and linen-chutes/termination rooms (2809.6) _____
 Refuse vaults (2810.4) _____

FIRE 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) _____

LIMITED RATED SPRINKLER SYSTEMS

Other suppression systems
 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) _____

OTHER SUPPRESSION SYSTEMS

Fire ray 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 systems (915.3, 915.4) _____
 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) _____

WATER SYSTEMS

Fire hydrants (917.1) _____

SMOKE CONTROL SYSTEMS

Approval (918.3) _____
 Assembly (A-4) (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/depth (918.5) _____

SUPERVISION

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 exception (919.5) _____
 Notes (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) _____
 Interconnection (920.4) _____
 Battery backup (920.5) _____

FIRE EXTINGUISHERS

Approval (921.1) _____
 Required (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) _____

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

*Adjusted floor area = actual floor area/conversion factor

$$\frac{\text{Adjusted floor area}}{\text{Allowable area (Table 503)}} = \frac{\text{_____}}{\text{_____}} + \frac{\text{_____}}{\text{_____}} + \frac{\text{_____}}{\text{_____}} = \frac{\text{_____}}{\text{_____}} \leq 1.00$$

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) _____
- _____ Area limitation (505.2) _____ Openness (505.4)
- _____ Egress (505.3) _____

SPECIAL USE AND OCCUPANCY (Chapter 4)

- COVERED HALL 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 §02.10) _____ Voice/alarm signaling systems (403.5)
- _____ Standpipes (402.11) _____ Fire department communication (403.6)
- _____ Fire department access (402.12) _____ Fire command station (403.7)
- _____ Egress requirements (402.14) _____ Elevators (403.8)
- _____ _____ Standby systems (403.9)
- _____ _____ Stairway doors (403.10)

MEANS OF EGRESS (continued)

- _____ General limitations (1005.0) _____ Ramps (1016.0)
- _____ Air movement in egress elements (1005.7) _____ Means of egress doorways (1017.0)
- _____ Types and location of egress (1006.0) _____ Number of doorways (1017.2)
- _____ Exit access travel distance (1006.5 and Table 1006.5) _____ Size of doors (1017.3)
- _____ Accessible means of egress (1007.0) _____ Door hardware (1017.4)
- _____ Emergency escape (1010.4) _____ Revolving doors (1018.0)
- _____ Exit access passageways and corridors (1011.0) _____ Horizontal exits (1019.0)
- _____ Aisles and accessways (1012.0) _____ Discharge from exit stairways (1020.0)
- _____ Grandstands (1013.0) _____ Guards (1021.0)
- _____ Interior stairways (1014.1 - 1014.11) _____ Handrails (1022.0)
- _____ Exterior stairways (1014.1 - 1014.10, 1014.12) _____ Exit signs and lights (1023.0)
- _____ Smoke proof enclosures (1015.0) _____ Means of egress lighting (1024.0)
- _____ _____ Access to roof (1027.0)

ACCESSIBILITY* (Chapter 11)

- _____ Required (1103.0) _____ Special use groups (1107.0)
- _____ Accessible route (1104.0) _____ Features and facilities (1108.0)
- _____ Parking facilities (1105.0) _____ Warnings and signage (1109.0)
- _____ Accessible entrances (1106.0) _____
- _____ Accessibility Plan Review Record _____

INTERIOR ENVIRONMENT (Chapter 12)

- _____ Room dimensions (1204.0) _____ Air-borne noise (STC) (2 #.2)
- _____ Roof spaces (1210.1 1211.2) _____ Structure-borne sound (IIC) (1214.3)
- _____ Crawl spaces (1210.2, 1211.1) _____ Ratproofing (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) _____ Combustible material restrictions (1407.0)
- _____ Conservation Plan Review Record _____

