

ADMINISTRATION (Chapter 1)

Complete construction documents (109)
Signed/sealed construction documents (109.1 note)

BUILDING PLANNING (Chapters 3, 4, 5, 6)

OCCUPANCY CLASSIFICATION (302 - 312, 508)

Single Occupancy (302.1)
Mixed Occupancy (508.1)
Incidental accessory occupancies (509, Table 509)
Accessory occupancies (508.2)

GENERAL BUILDING LIMITATIONS (Chapters 5 & 6)

Address identification (502.1)

Apply Case 1 to determine the allowable height and area and permitted types of construction for a building containing a single occupancy or nonseparated mixed occupancies. Apply Case 2 to determine the allowable height and area and permitted types of construction for a building containing separated mixed occupancies.

CASE 1 — SINGLE OCCUPANCY OR NONSEPARATED MIXED OCCUPANCIES (508.3)
Using Tables 504.3, 504.4 and 506.2, identify the allowable height and area of the single occupancy or the most restrictive of the nonseparated mixed occupancies. Construction types that provide an allowable building area and height equal to or greater than the actual building area and height are permitted.

DETERMINE CONSTRUCTION TYPE

Actual building area _____ ft²
Adjusted building area _____ ft²
actual building area / conversion factor
Actual building height _____ feet _____ stories
Allowable building height _____ feet _____ stories
Permitted types of construction _____
Type of construction assumed for review (602.1) _____

CHECK ALLOWABLE AREA (506.2.3)

Allowable area per floor (A_a)
_____ × _____ = _____ ft²
conversion factor tabular area (Table 503)
Total floor area (all stories) _____ ft²
Allowable floor area (all stories)
_____ × _____ = _____ ft²
(A_a) number of stories (maximum 3)
Compliance verified _____

CASE 2 — SEPARATED MIXED OCCUPANCIES (508.4)

Using Tables 504.3, 504.4 and 506.2, identify the allowable height and area of each of the separated occupancies within the building. Construction types that provide, for each story of the building, areas from Table 506.2 (as modified by section 506.3.3) which result in a sum of ratios of 1.00 or less and allowable heights (per Tables 504.3 and 504.4) equal to or greater than the actual heights of the occupancies is permitted.

Actual Adjusted Actual Allowable

Story Group floor area area* height height

_____	_____	_____	_____	_____	_____	_____	_____
	ft ²	ft ²	ft	stories	ft	stories	
_____	_____	_____	_____	_____	_____	_____	_____
	ft ²	ft ²	ft	stories	ft	stories	
_____	_____	_____	_____	_____	_____	_____	_____
	ft ²	ft ²	ft	stories	ft	stories	
_____	_____	_____	_____	_____	_____	_____	_____
	ft ²	ft ²	ft	stories	ft	stories	
_____	_____	_____	_____	_____	_____	_____	_____
	ft ²	ft ²	ft	stories	ft	stories	
_____	_____	_____	_____	_____	_____	_____	_____
	ft ²	ft ²	ft	stories	ft	stories	

Area ratio (single floor) Adjusted floor area *)

$$\frac{\text{_____}}{\text{Allow. tab. area, } A} = \text{_____} + \text{_____} + \text{_____} + \text{_____} = \text{_____} < 1.00$$

*Adjusted floor area = actual floor area / conversion factor

CHECK ALLOWABLE AREA (506.2.4)

Three stories or less buildings _____
 Four or more story buildings (Total area ratio \leq 3) _____
 Permitted types of construction _____
 Type of construction assumed for review (602.1) _____
 Compliance verified _____

MEZZANINES (505)

_____ Area limitation (505.2.1)
 _____ Egress (505.2.2)
 _____ Openness (505.2.3)
 _____ Equipment platforms (505.3)

UNLIMITED AREA BUILDINGS (507)

_____ Nonsprinklered, one story (507.3)
 _____ Sprinklered, one story (507.4)
 _____ Two story (507.5)
 _____ Reduced open space (507.2.1)
 _____ Group A-3 buildings (507.6, 507.7)
 _____ Group H occupancies (507.8, 507.9)
 _____ Aircraft paint hangar (507.10)
 _____ Group E buildings (507.11)
 _____ Motion picture theaters (507.12)
 _____ Covered mall buildings/anchor stores (507.13)

SPECIAL PROVISIONS (510)

_____ Special condition applicable (510.1)
 _____ Compliance verified

SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY (Chapter 4)

COVERED MALL AND OPEN MALL BUILDINGS (402)

- _____ Egress (402.8)
- _____ Mall width (402.8.1)
- _____ Open Space (402.1.1, 402.2)
- _____ Fire separations (402.4.2-402.4.2.3)
- _____ Interior finish (402.6.1)
- _____ Automatic sprinkler system (402.5)
- _____ Standpipe system (402.7.1)
- _____ Smoke control (402.7.2)
- _____ Kiosk requirements (402.6.2)
- _____ Children's play structures (402.6.3)
- _____ Security grilles and doors (402.8.8)
- _____ Standby power and emergency voice/alarm (402.7.3, 402.7.4)
- _____ Plastic signs (402.6.4)
- _____ Fire department access (402.7.5)

HIGH-RISE BUILDINGS (403)

- _____ Construction (403.2)
- _____ Automatic sprinkler system (403.3)
- _____ Smoke detection (403.4.1)
- _____ Fire alarm system (403.4.2)
- _____ Emergency voice/alarm systems (403.4.4)
- _____ Emergency responder radio coverage (403.4.5)
- _____ Fire command center (403.4.6)
- _____ Smoke removal (403.4.7)
- _____ Elevators (403.6)
- _____ Standby power (403.4.8)
- _____ Emergency power (403.4.8)
- _____ Stair remoteness (403.5.1)
- _____ Additional stairway (403.5.2)
- _____ Stairway doors (403.5.3)
- _____ Smokeproof exit (403.5.4)
- _____ Luminous egress path (403.5.5)

ATRIUMS (404)

- _____ Use (404.2)
- _____ Automatic sprinkler system (404.3)
- _____ Fire alarm system (404.4)
- _____ Smoke control (404.5)
- _____ Enclosure (404.6)
- _____ Standby power (404.7)
- _____ Interior finish (404.8)
- _____ Travel distance (404.9)
- _____ Interior exit stairways (404.10)

OTHER SPECIAL USE AND OCCUPANCY

- _____ Underground structures (405)
- _____ Motor-vehicle-related occupancies (406, 510)
- _____ Group I-2 (407)
- _____ Group I-3 (408)
- _____ Motion picture projection rooms (409)

_____	Stages and platforms (410)
_____	Special amusement buildings (411)
_____	Aircraft-related occupancies (412)
_____	Combustible storage (413)
_____	Hazardous materials (307.1, 414)
_____	Groups H-1, H-2, H-3, H-4 and H-5 (415)
_____	Application of flammable finishes (416)
_____	Drying rooms (417)
_____	Organic coatings manufacturing (418)
_____	Live/work units (419)
_____	Groups I-1, R-1, R-2, R-3 (420)
_____	Hydrogen fuel gas rooms (421)
_____	Ambulatory health care facilities (422)
_____	Storm shelters (423)
_____	Children's play structures (424)
_____	Hyperbaric facilities (425)
_____	Combustible dusts, grain processing and storage (426)
_____	Medical gas systems (427)
_____	Higher education laboratories (428)

FIRE PROTECTION (Chapters 6, 7, 8, 9)

FIRE-RESISTANCE-RATED CONSTRUCTION (Tables 601 & 602 and Chapter7)

Note: Entry in _____ indicates required rating in hours. NC indicates noncombustible construction required.

_____ Construction classification (602)

COMBUSTIBILITY (602.2, 602.3, 602.4, 602.5, 603)

_____	Exterior walls
_____	Interior elements
_____	Roof

FIRE-RESISTANCE RATINGS AND FIRE TESTS(703)

_____	Ratings / Combustibility (703.2, 703.4, 703.5)
_____	Alternative methods (703.3, 719, 721, 722)
_____	Rated glazing (703.6)
_____	Marking and identification (703.7)

BUILDING ELEMENTS (Table 601)

_____	Structural frame (704)
_____	Interior bearing walls
_____	Interior nonbearing walls
_____	Floor construction (711)
_____	Roof construction (711)

EXTERIOR WALLS (507, Table 602, 705, 707.4)

North East South West

Fire separation distance _____

Bearing _____

Nonbearing _____

_____ Projections (705.2)

_____ Materials/stability (705.4, 705.6)

_____ Opening protection (705.8.1 - 705.8.4)

_____ Vertical fire spread protection (705.8.5, 705.8.6)

_____ Parapets (705.11)

FIRE BARRIERS (707)

_____ Shaft enclosures (707.3.1)

_____ Interior exit stairway/ramp (707.3.2)

_____ Exit access stairway/ramp (707.3.3)

_____ Exit passageway (707.3.4)

_____ Horizontal exits (707.3.5)

_____ Atriums (707.3.6)

_____ Incidental uses (707.3.7)

_____ Control areas (707.3.8)

_____ Mixed occupancy and fire area separations (707.3.9, 707.3.10, 901.7)

_____ Construction (707.2, 707.5 - 707.10)

VERTICAL OPENINGS (712)

_____ Compliance (712.1.1 – 712.1.16)

SHAFTS (708)

_____ Construction (713.2 – 713.12, 713.14)

_____ Refuse and laundry chutes (713.13)

OTHER FIRE-RESISTANT CONSTRUCTION

- _____ Fire walls (706)
- _____ Fire partitions (708)
- _____ Smoke barriers (709)
- _____ Smoke partitions (710)
- _____ Penetrations (714)
- _____ Fire-resistant joint systems (715)
- _____ Opening protectives (716)
- _____ Dampers (717)
- _____ Concealed spaces (718)
- _____ Thermal- and sound-insulating materials (720, 807)

INTERIOR FINISHES (Chapter 8)

- _____ Smoke development (803.1.1, 803.1.2, 803.13, Table 803.13)
- _____ Flame spread (803.1.1, 803.1.2, 803.13, Table 803.9)
- _____ Textile/expanded vinyl coverings (803.5 – 803.8)
- _____ HDPE/PP/site-fabricated stretch systems/laminated products/wood facings (803.9 – 803.12)
- _____ Floor finish (804)
- _____ Combustible materials (805)
- _____ Decorations and trim (806)
- _____ Acoustical ceiling systems (808)

FIRE PROTECTION AND LIFE SAFETY SYSTEMS (Chapter 9)

AUTOMATIC SPRINKLER SYSTEMS (903)

(Where required)

- _____ Assembly (A-1, A-2, A-3, A-4, A-5) (903.2.1)
- _____ Ambulatory health care facilities (B) (903.2.2)
- _____ Educational (E) (903.2.3)
- _____ Factory/Industrial (F-1) (903.2.4)
- _____ High-hazard (H-1, H-2, H-3, H-4, H-5) (903.2.5)
- _____ Institutional (I-1, I-2, I-3, I-4) (903.2.6)
- _____ Mercantile (M) (903.2.7)
- _____ Residential (R) (903.2.8)
- _____ Storage/Repair garage (S-1) (903.2.9)
- _____ Parking garages (903.2.10)
- _____ Windowless story (903.2.11.1)
- _____ Rubbish and linen chutes (903.2.11.2)
- _____ Buildings over 55 ft. high (903.2.11.3)
- _____ Incidental uses (Table 509)
- _____ Additional required systems (Table 903.2.11.6)
- _____ International Fire Code (IFC 903.2.11.6)

AUTOMATIC SPRINKLER SYSTEMS* (903)

(Design)

- _____ Shop drawings (109)
- _____ NFPA 13 system (903.3.1.1)
- _____ NFPA 13R system (903.3.1.2)
- _____ NFPA 13D system (903.3.1.3)
- _____ Quick-response and residential heads (903.3.2)
- _____ Actuation (903.3.4)
- _____ Water supplies (903.3.5)
- _____ Hose threads (903.3.6)

- _____ Fire department connections (903.3.7)
- _____ Limited area sprinkler system (903.3.8)
- _____ Sprinkler monitoring and alarms (903.4)

* Also see Fire Code Sprinkler Plan Review Record

ALTERNATIVE AUTOMATIC FIRE-EXTINGUISHING SYSTEMS(904)

- _____ Installation (904.3)
- _____ Wet-chemical systems (904.5)
- _____ Dry-chemical systems (904.6)
- _____ Foam systems (904.7)
- _____ Carbon dioxide systems (904.8)
- _____ Halon systems (904.9)
- _____ Clean-agent systems (904.10)
- _____ Automatic water mist system (904.11)
- _____ Commercial cooking systems (903.11.5, 904.2.2, 904.12)

- _____ Domestic cooking systems (904.13)
- _____ Aerosol fire-extinguishing systems (904.14)

STANDPIPE SYSTEMS (905)

- _____ Installation standards (905.2)
- _____ Building height (905.3.1)
- _____ Group A (905.3.2)
- _____ Covered malls (905.3.3)
- _____ Stages (905.3.4)
- _____ Underground buildings (905.3.5)
- _____ Helistops/heliports (905.3.6)
- _____ Marinas/boatyards (905.3.7)
- _____ Rooftop gardens/landscaped roofs (905.3.8)
- _____ Hose connections and locations (905.1, 905.4, 905.5, 905.6)
- _____ Cabinets (905.7)
- _____ Dry standpipes (905.8)
- _____ Valve supervision (905.9)
- _____ Outlet caps (905.11)

PORTABLE FIRE EXTINGUISHERS (906)

- _____ Required locations (906.1, 906.5, 906.6)
- _____ Installation standard (906.2)
- _____ Size and distribution (906.3)
- _____ Cabinets (906.8)
- _____ Installation (906.9)

FIRE ALARM AND DETECTION SYSTEMS (907)

(Where required)

- _____ Construction documents/shop drawings (907.1.1, 907.1.2)
- _____ Assembly (A-1, A-2, A-3, A-4, A-5) (907.2.1)
- _____ Business (B) (907.2.2)
- _____ Educational (E) (907.2.3)
- _____ Factory (F-1, F-2) (907.2.4)
- _____ High-hazard (H-1, H-2, H-3, H-4, H-5) (907.2.5)
- _____ Institutional (I-1, I-2, I-3, I-4) (907.2.6)
- _____ Mercantile (M) (907.2.7)
- _____ Residential (R-1, R-2) (907.2.8, 907.2.9)
- _____ Single/multiple station smoke alarms (907.2.10)
- _____ High-rise buildings (907.2.12)
- _____ Atriums (907.2.13)
- _____ Other buildings/areas (907.2.11, 907.2.14 - 907.2.23)

FIRE ALARM AND DETECTION SYSTEMS (907)

(Design)

- _____ Residential smoke alarm interconnection (907.2.10.5)
- _____ Residential smoke alarm power source (907.2.10.6)
- _____ Smoke detection system (907.2.10.7)
- _____ Fire safety functions (907.3)
- _____ Initiating devices (907.4)
- _____ Occupant notification (907.5)
- _____ Installation (907.6, 907.7)

EMERGENCY ALARM SYSTEMS (908)

- _____ Group H occupancy (908.1)
- _____ Group H-5 occupancy (908.2)

SMOKE CONTROL SYSTEMS (909)

- _____ Where required (402.7.2, 404.5, 405.5, 408.9, 410.2.7.2, 1023.11, 1029.6.2.1)
- _____ Design requirements (909.1 - 909.4)
- _____ Smoke barriers (909.5)
- _____ Pressurization method (909.6)
- _____ Airflow design method (909.7)
- _____ Exhaust method (909.8)
- _____ Design fire (909.9)
- _____ Equipment/Power (909.10, 909.11)
- _____ Detection and control (909.12 - 909.18)
- _____ Smokeproof enclosures (909.20)
- _____ Elevator hoistway pressurization (909.21)

SMOKE AND HEAT VENTS (910)

- _____ Where required (910.2)
- _____ Smoke and heat vents (910.3)
- _____ Mechanical alternative (910.4)

FIRE COMMAND CENTER (911)

- _____ Requirements (911.1.1 - 911.1.6)

FIRE DEPARTMENT CONNECTIONS (912)

- _____ Installation (912.1 - 912.6)

FIRE PUMPS (913)

- _____ Requirements (913.1 - 913.5)

EMERGENCY RESPONDER SAFETY FEATURES/ RADIO COVERAGE (914, 918)

- _____ Requirements (914.1, 914.2, 918.1)

CARBON MONOXIDE DETECTORS (915)

- _____ Requirements (915.1-915.6)

GAS DETECTION SYSTEMS (916)

- _____ Requirements (916.1-916.11)

MASS NOTIFICATION SYSTEMS (917)

- _____ Risk analysis (917.1)

OCCUPANT NEEDS (Chapters 10, 11, 12)

MEANS OF EGRESS (Chapter 10)

OCCUPANT LOAD (1004.3, 1004.5 and Table 1004.5, 1004.6)

Location	Floor / Area.	Sq.ft	=	Occt.	Other occt.	load	Loads	Total
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CAPACITY OF EGRESS COMPONENTS (1005.3.1, 1005.3.2)

Location	Stairways	Other egress components
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NUMBER OF EXITS (1006)

Location	Required	Shown
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MEANS OF EGRESS (continued) GENERAL MEANS OF EGRESS

- _____ Design requirements (1003.2 - 1003.7)
- _____ Encroachment (1005.7)
- _____ Means of egress illumination (1008)
- _____ Exit signs (1013)
- _____ Accessible means of egress (1009)
- _____ Door size/swing/opening force (1010.1 - 1010.1.3)
- _____ Special doors/Gates/Turnstiles (1010.1.4, 1010.2, 1010.3)
- _____ Door landings/Thresholds/Arrangement (1010.1.5 – 1010.1.8)
- _____ Door hardware (1010.1.9, 1010.1.10)
- _____ Stairways (1011)
- _____ Roof access (1011.12)
- _____ Ramps (1012)
- _____ Handrails (1014)
- _____ Guards (1015)
- _____ Luminous egress path markings (1025)

EXIT ACCESS

- _____ Exit access configuration (1007.1.1 – 1007.1.3)
- _____ Common path of egress travel (Table 1006.2.1)
- _____ Intervening spaces (1016.2, 1016.2.1)
- _____ Exit access travel distance (1017)
- _____ Aisles (1018)
- _____ Corridors (1012)
- _____ Air movement in corridors (1020.5)
- _____ Egress balconies (1021)

EXITS / EXIT DISCHARGE

- _____ Exits/Exit doors (1006, 1022)
- _____ Exit configuration (1007.1.1, 1007.1.2)
- _____ Interior exit stairways/ramps (1023)
- _____ Exit passageways (1024)
- _____ Horizontal exits (1026)
- _____ Exterior exit ramps/stairways (1027)
- _____ Exit discharge (1028)

OTHER MEANS OF EGRESS

- _____ Miscellaneous egress requirements (1006.2.2.1 – 1006.2.2.6)
- _____ Bleachers (1029.1.1)

- _____ Assembly exits & egress (1029.2 – 1029.5)
- _____ Assembly aisles & features (1029.6 – 1029.17)
- _____ Emergency escape and rescue (1030)

ACCESSIBILITY* (Chapter 11)

- _____ Scoping requirements (1103)
- _____ Accessible route (1104)
- _____ Accessible entrances (1105)
- _____ Parking and passenger loading (1106)
- _____ Dwelling units and sleeping units (1107)
- _____ Special occupancies (1108)
- _____ Features and facilities (1109)
- _____ Recreational facilities (1110)
- _____ Signage (1111)

*Also see Accessibility Plan Review Record

INTERIOR ENVIRONMENT (Chapter 12)

- _____ Ventilation (1202, 1503.4)*
- _____ Temperature control (1203)
- _____ Lighting (1204)
- _____ Yards or courts (1205)
- _____ Sound transmission (1206)
- _____ Interior space dimensions (1207)
- _____ Access to unoccupied spaces (1208)
- _____ Toilet and bathroom requirements (1209, 2509)

*Also see Mechanical Code Plan Review Record

BUILDING ENVELOPE (Chapters 13*, 14, 15)

*See Energy Conservation Code Plan Review Record

EXTERIOR WALLS (Chapter 14)

- _____ Performance requirements (1402)
- _____ Materials (1403)
- _____ Exterior wall coverings/MCM's (1404, 1406)
- _____ Combustible material restrictions (1405)
- _____ EIFS (1407)
- _____ HPL (1408)
- _____ Plastic composite decking (1409)

ROOF ASSEMBLIES AND ROOFTOP STRUCTURES (Chapter 15)

- _____ Roof drainage (1502)
- _____ Weather protection (1503)
- _____ Flashing (1503.2, 1507.2.8, 1507.3.9, 1507.5.7, 1507.7.7, 1507.8.8, 1507.9.9)
- _____ Performance requirements (1504)
- _____ Fire classification (1505)
- _____ Materials (1506)
- _____ Roof coverings (1507)
- _____ Roof insulation (1508)
- _____ Radiant barriers (1509)
- _____ Rooftop structures (1510)

- _____ Reroofing (1511)
- _____ Photovoltaic panels/modules (1512)

STRUCTURAL SYSTEMS (Chapters 16, 17, 18)

STRUCTURAL DESIGN (Chapter 16)

STRUCTURAL DESIGN CALCULATIONS

- _____ Submitted for all structural members (106, 107.1, 107.2.1, 1604, 1605)

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603)

Uniformly distributed floor live loads (1603.1.1, Table 1607.1)

Floor Area Use Loads Shown

- _____ Live load reduction (1603.1.1, 1607.11, 1607.12)
- _____ Roof live loads (1603.1.2, 1607.13)
- _____ Rain intensity, I (1603.1.9)

Roof snow loads (1603.1.3, 1608; Chapter 7 of ASCE 7)

- _____ Ground snow load, p_g (1608.2; 7.2 of ASCE 7)
- _____ If $p_g > 10$ psf, flat-roof snow load, p_f (7.3 of ASCE 7)
- _____ If $p_g > 10$ psf, snow exposure factor, C_e (Table 7.3.1 of ASCE 7)
- _____ If $p_g > 10$ psf, snow load importance factor, I (7.3.3, Table 1.5-2 of ASCE 7)
- _____ If $p_g > 10$ psf, roof thermal factor, C_t (Table 7.3.2 of ASCE 7)
- _____ If $p_g > 10$ psf, slope factor(s), C_s (7.4 of ASCE 7)
- _____ If $p_g > 10$ psf, drift surcharge loads, P_d (7.7, 7.8 of ASCE 7)
- _____ If $p_g > 10$ psf, width of snow drift, w (7.7, 7.8 of ASCE 7)
- _____ Ponding instability (1608.3; 7.11, 8.4 of ASCE 7)

Wind loads (1603.1.4, 1609; Chapters 26-31 7 of ASCE 7)

- _____ Design procedure (1609.1.1; Chapters 26 - 31 of ASCE 7)
- _____ Wind speed (1609.3; Figs. 26.5.1, 26.5.2 of ASCE 7)
- _____ Risk category (Table 1604.5; Table 1.5 -1 of ASCE 7)
- _____ Surface roughness/Exposure categories (1609.4; 26.7 of ASCE 7)
- _____ Internal pressure coefficient (26.13, Table 26.13 - 1 of ASCE 7)
- _____ Component and cladding pressures (Chapter 30 of ASCE 7)
- _____ Main wind-force resisting system (1609.5; 27.3 – 27.5, 28.3 – 28.5 of ASCE 7)

Earthquake design data (1603.1.5, 1613; Chapters 11 – 13 and 15 - 23 of ASCE 7)

- _____ Risk category (Table 1604.5; Table 1.5-1 of ASCE 7)
- _____ Seismic importance factor (11.5.1, Table 1.5-2 of ASCE 7)
- _____ Mapped spectral response acceleration parameters, S_s and S_1 (1613.2.1; 11.4.2 of ASCE 7)
- _____ Design spectral response parameters, S_{DS} & S_{D1} (1613.2.4; 11.4.5 of ASCE 7)
- _____ Site class (1613.2.2; 11.4.3, Chapter 20 of ASCE 7)
- _____ Seismic design category (1613.2.5; 11.6 of ASCE 7)
- _____ Basic seismic-force-resisting system (Table 12.2-1 of ASCE 7)
- _____ Response modification coefficient, R , (Table 12.2-1 of ASCE 7)
- _____ Seismic response coefficient, C_s (12.8.1.1 of ASCE 7)
- _____ Analysis procedure (12.6 of ASCE 7)
- _____ Design base shear (12.8.1 of ASCE 7)

Flood loads (1603.1.7, 1612)

- _____ Flood hazard area (1612.3)
- _____ Documentation (1612.4)

Other loads

- _____ Concentrated loads (1607.4)

_____ Partition loads (1607.5)
_____ Impact loads (1607.10)
_____ Misc. loads (Table 1607.6, 1607.7, 1607.8, 1607.9, 1607.14, 1607.15, 1610, 1611,
2404)

Structural integrity (1616)
_____ Design requirements (1616.1 - 1616.3)

SPECIAL INSPECTIONS AND TESTS (Chapter 17)

_____ Approvals/Research report(s)(1703, 1703.4.2) Report No. _____
_____ Statement of special inspections (1704.3)
_____ Report requirement/submittal to building official (1704.2.4, 1705.5)
_____ Prefabricated items (1704.2.5, 1705.10)
_____ Steel construction (1705.3)
_____ Concrete construction (1705.3)
_____ Masonry construction (1705.4, 2101.3)
_____ Wood construction (1705.5)
_____ Prepared fill and foundations (1705.6 – 1705.9)
_____ Sprayed fire-resistant materials and coatings (1705.14, 1705.15)
_____ EIFS (1705.16)
_____ Fire-resistant penetrations and joints (1705.17)
_____ Smoke control (1705.18)
_____ Wind requirements (1704.3.3, 1705.11)
_____ Seismic resistance (1704.3.2, 1705.12, 1705.13)
_____ Contractor responsibility (1704.4)
_____ Structural observations (1704.6)
_____ Testing (other) (1706 - 1709)

SOILS AND FOUNDATIONS (Chapter 18)

_____ Soils investigations/Reports (1803.1, 1803.2, 1803.3, 1803.6)
_____ Soil classification (1803.5)
_____ Excavation, grading and fill (1804)
_____ Dampproofing and waterproofing (1805)
_____ Load-bearing values (1603.1.6, 1806)
_____ Foundation walls, retaining walls and embedded posts and poles (1807)
_____ Foundations (1808)
_____ Shallow foundations (1809)
_____ Deep foundations (1810)

STRUCTURAL MATERIALS (Chapters 19, 21, 22, 23)

CONCRETE (Chapter 19)

_____ Plain, reinforced and plain structural concrete design/construction standard specified
(1901.2, 1905, 1906)
_____ Construction documents (1901.5)
_____ Slab provisions (1907)
_____ Shotcrete (1908)

MASONRY (Chapter 21)

_____ Design method, construction standard specified (2101.2, 2104)
_____ Masonry units (2103.1)
_____ Mortar type/grout (2103.2, 2103.3)
_____ Metal reinforcement (2103.4)
_____ Seismic design (2106)
_____ Glass unit masonry (2110)

- _____ Fireplaces/Heaters/Chimneys (2111, 2112, 2113)
- _____ Dry-stack masonry (2114)

STEEL (Chapter 22)

- _____ Structural steel design/construction standard specified (2205)
- _____ Composite structural steel and concrete (1901.1, 2206)
- _____ Open-web steel joist design/construction standard specified (2207)
- _____ Steel cable structures (2208)
- _____ Steel storage racks (2209)
- _____ Cold-formed steel design/construction standard specified (2210)
- _____ Cold-formed steel light-framed design/ construction standard specified (2211)

WOOD (Chapter 23)

- _____ Design method option used (2302.1)

MATERIAL STANDARDS / CONSTRUCTION REQUIREMENTS (2303 -2306)

- _____ Lumber (2303.1.1)
- _____ Wood I-joists (2303.1.2)
- _____ Glue-laminated timbers (2303.1.3, 2303.1.4)
- _____ Wood structural panels (2303.1.5, 2304.6, 2304.7, 2304.8)
- _____ Fiber-, hard-, & particle-, boards (2303.1.6 - 2303.1.8)
- _____ Decay and termite protection (2303.1.9, 2304.12)
- _____ Structural composite lumber (2303.1.10)
- _____ Structural log members (2303.1.11)
- _____ Round timber poles and piles (2303.1.12)
- _____ Engineered wood rim board (2303.1.13)
- _____ Fire-retardant-treated wood (2303.2)
- _____ Hardwood and plywood (2303.3)
- _____ Trusses (2303.4)
- _____ Joist hangers and connectors (2303.5)
- _____ Fasteners and fastening (2303.6, 2304.10, Table 2304.10.1)
- _____ Heavy timber construction (2304.11)
- _____ Long-term loading (2304.13)
- _____ Shear walls and diaphragms (2305, 2306)

CONVENTIONAL LIGHT-FRAME CONSTRUCTION (2308)

- _____ Limitations satisfied (2308.2)
- _____ Foundations and footings (2308.3)
- _____ Floor framing (2308.4)
- _____ Wall construction (2308.5)
- _____ Wall bracing (2308.6)
- _____ Roof and ceiling framing (2308.7)
- _____ Design of elements (2308.8)

NONSTRUCTURAL MATERIALS (Chapters 24, 25, 26)

GLASS AND GLAZING (Chapter 24)

- _____ Sloped glazing and skylights (2405)
- _____ Safety glazing (2406, 2407, 2408, 2409)

GYPSON BOARD AND PLASTER (Chapter 25)

- _____ Gypsum board materials (2506, Table 2506.2, Table 2508.1)
- _____ Plaster (2507, 2508, 2510 - 2513)
- _____ Reinforced gypsum concrete (2514)

PLASTIC (Chapter 26)

FOAM PLASTIC INSULATION (2603)

- _____ Labeling (2603.2, 2603.5.6)
- _____ Surface-burning characteristics (2603.3, 2603.5.4)
- _____ Thermal barrier (2603.4)
- _____ Exterior walls/Roofs (2603.5, 2603.6)
- _____ Interior finish/trim in plenums (2603.7)
- _____ Protection against termites (2603.8)
- _____ Special approval (2603.9)
- _____ Wind resistance (2603.10)
- _____ Cladding attachment (2603.11 – 2603.13)

MISCELLANEOUS PLASTICS

- _____ Interior finish and trim (2604)
- _____ Plastic veneer (2605)
- _____ Light-transmitting plastics (2606 - 2611)
- _____ Plastic composites (2612)
- _____ Fiber-reinforced polymer (2613)
- _____ Reflective plastic core insulation (2614)

BUILDING SERVICES* (Chapters 27, 28, 29, 30) ELEVATORS AND CONVEYING SYSTEMS (Chapter 30)

- _____ Construction standard specified (3001.3, Table 3001.3)
- _____ Communication system (3001.2)
- _____ Hoistway enclosures (3002)
- _____ Opening protectives (3002.1.1)
- _____ Emergency operations (3003)
- _____ Conveying systems (3004)
- _____ Machine rooms (3005)
- _____ Elevator lobbies/hoistway opening protection (3006)
- _____ Fire service access elevator (3007)
- _____ Occupant evacuation elevator (3008)

Also see Electrical (Ch.27), Mechanical (Ch.28) and Plumbing (Ch.29) Plan Review Records

SPECIAL DEVICES AND CONDITIONS (Chapters 31, 34) SPECIAL CONSTRUCTION (Chapter 31)

- _____ Membrane structures (3102)
- _____ Temporary structures (3103)
- _____ Awnings and canopies/Marquees (3105, 3106)
- _____ Signs (3107)
- _____ Telecommunication and broadcast towers (3108)
- _____ Swimming pools, spas and hot tubs (3109)
- _____ Automatic vehicular gates (3110)
- _____ Solar energy systems (3111)
- _____ Greenhouses (3112)
- _____ Relocatable buildings (3113)

PEDESTRIAN WALKWAYS AND TUNNELS (3104)

- _____ Construction and use (3104.3, 3104.4)
- _____ Separation (3104.5, 3104.10)
- _____ Public way (3104.6)

_____ Egress (3104.7 - 3104.9)

ENCROACHMENTS INTO THE PUBLIC RIGHT-OF-WAY (Chapter 32)

_____ Below grade (3202.1)

_____ Above grade (3202.2), 3202.3)

_____ Temporary (3202.4)

APPENDICES A – N

_____ Appendices adopted (101.2)

_____ Compliance verified