COMMERCIAL PLAN REVIEW CHECKLIST

Community Development
Building Inspections Department
111 E. Maple Ave
Independence, MO 64050

2018 International Building Code

Project Name:_____

Project Address:_____

Permit Number:_____

Plans Examiner:_____

Notes:_____

_____

_____

_____

_____

_____

ADMINISTRATION (Chapter 1)

_____ Complete construction documents (107.1, 107.2)

_____ Signed/sealed construction documents (107.1, State Law also applies)

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

OCCUPANCY CLASSIFICATION (302 - 312, 508)

_____ Single Occupancy (302.1)

_____ Mixed Occupancy (508.1)

_____ Incidental accessory occupancies (508.2.5, Table 508.2.5)

_____ Accessory occupancies (508.2)

GENERAL BUILDING LIMITATIONS (Chapters 5 & 6)

_____ Address identification (501.2)

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

AREA MODIFICATIONS TO TABLE 503

Allowable tabular area, A_t (Table 503) 1

Area Increase Factor due to frontage, I_f (506.2) +

Area Increase Factor due to automatic sprinklers, I_s (506.3) +

Conversion factor =

Frontage (506.2) _____

~~North East South West~~

Total Frontage (F) _____ ft. Perimeter (P) _____ ft.

Width of open space (W) = _____

Area Increase Factor due to frontage, I_f = _____ (506.2)

$$I_f = \left[\frac{F}{P} - 0.2 \right] \frac{W}{30}$$

CASE 1 — SINGLE OCCUPANCY OR NONSEPARATED MIXED OCCUPANCIES (508.3)

Using Table 503, 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 tabular area equal to or greater than the adjusted building area and allowable heights (as modified by Section 504) equal to or greater than the actual building height are permitted.

DETERMINE CONSTRUCTION TYPE

Actual building area _____ ft^2

Adjusted building area _____ ft^2
(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 (506.4)

Allowable area per floor (A_a)

_____ × _____ = _____ ft^2
(conversion factor) (tabular area (Table 503))

Total floor area (all stories) _____ ft^2

Allowable floor area (all stories)

_____ × _____ = _____ ft^2
(Allowable area per floor (A_a)) (number of stories (maximum 3))

Compliance verified _____

CASE 2 — SEPARATED MIXED OCCUPANCIES (508.4)

Using Table 503, 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, tabular areas (as modified by Section 506) which result in a sum of the ratios of 1.00 or less and allowable heights (as modified by Section 504) equal to or greater than the actual height of the occupancy are permitted.

Story	Group	Actual floor area	Adjusted floor area*	Actual height		Allowable 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
______	______	______ ft^2	______ ft^2	______ ft	______ stories	______ ft	______ stories

$$\text{Area ratio (single floor)} = \mathbf{I}\,\frac{\text{Adjusted floor area *}}{\text{Allow. tab. area, } A_t \text{ (Table 503)}} = \_\_\_\_ + \_\_\_\_ + \_\_\_\_ + \_\_\_\_ = \_\_\_\_ :: 100$$

*Adjusted floor area = actual floor area -7 conversion factor

CHECK ALLOWABLE AREA (506.5)

Three stories or less buildings ____________

Four or more story buildings

(Total area ratio :: 3) ____________

Permitted types of construction ____________________

Type of construction assumed for review (602.1) ____________________

Compliance verified ____________________

MEZZANINES (505)

__________ Area limitation (505.2)

__________ Openness (505.4)

__________ Egress (505.3)

Equipment platforms (505.5)

____

UNLIMITED AREA BUILDINGS (507)

__________ Nonsprinklered, 1 story (507.2)

Group H occupancies (507.8)

__________ Sprinklered, 1 story (507.3)

__________ Two story (507.4)

Aircraft paint hangar (507.9)

__________ Group E buildings (507.10)

__________ Reduced open space (507.5)

__________ Motion picture theaters (507.11)

__________ Group A-3 buildings (507.6, 507.7)

__________ Covered mall buildings/anchor stores (507.12)

SPECIAL PROVISIONS (509)

__________ Special condition applicable (509.1)

__________ Compliance verified

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

COVERED MALL AND OPEN MALL BUILDINGS (402)

__________ Automatic sprinkler system (402.9)

__________ Egress (402.4)

__________ Standpipe system (402.9.1)

__________ Mall width (402.5)

____

__________ Unlimited area (402.6)

____

__________ Fire separations (402.7)

____

__________ Interior finish (402.8)

Smoke control (402.10) Kiosk requirements (402.11) Playground structures (402.12) Security grilles and doors (402.13) Standby power and EVAC (402.14, 402.15)

Plastic signs (402.16)

Fire department access (402.17)

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 (403.4.3)

_____ Emergency responder radio coverage (403.4.4)

_____ Fire command center (403.4.5)

_____ Smoke removal (403.4.6)

_____ Elevators (403.6)

_____ Standby power (403.4.7)

_____ 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)

OTHER SPECIAL USE AND OCCUPANCY

_____ Underground structures (405)

_____ Motor-vehicle-related occupancies (406, 509)

_____ 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 cutoff rooms (421)

_____ Ambulatory health care facilities (422)

_____ Storm shelters (423)

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

FIRE-RESISTANCE-RATED CONSTRUCTION (Tables 601 & 602 and Chapter 7)

Note: Indicate 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)

_____ Alternative methods (703.3, 718, 720, 721)

_____ Rated glazing (703.5)

_____ Marking and identification

BUILDING ELEMENTS (Table 601)

_____ Structural frame (704)

_____ Interior bearing walls

_____ Interior nonbearing walls

_____ Floor construction (712)

_____ Roof construction (712)

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

	North	East	South	West
Fire separation distance	____	____	____	____
Bearing	_____	_____	_____	_____
Nonbearing	_____	_____	_____	_____

_____ 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)

_____ Exit enclosures/exit passageway (707.3.2, 707.3.3)

_____ Horizontal exits (707.3.4)

_____ Atriums (707.3.5)

_____ Incidental accessory occupancies (707.3.6)

_____ Control areas (707.3.7)

_____ Mixed occupancy and fire area separations (707.3.8, 707.3.9, 901.7)

_____ Construction (707.5 - 707.9)

_____ Shafts (708)

Exceptions (708.2)

Construction (708.3 708.12,708.14)

_____ Elevator lobby (708.14.1, 708.14.2)

_____ Refuse/Laundry Chutes (708.12)

OTHER FIRE-RESISTANT CONSTRUCTION

_____ Fire walls (706)

_____ Fire partitions (709)

_____ Smoke barriers (710)

_____ Smoke partitions (711)

_____ Penetrations (713)

_____ Fire-resistant joint systems (714)

_____ Opening protectives (715)

_____ Dampers (716)

_____ Concealed spaces (717)

_____ Thermal- and sound-insulating materials (719, 807)

INTERIOR FINISHES (Chapter 8)

_____ Smoke development (803.1.1, 803.9, Table 803.9)

_____ Flame spread (803.1.1, 803.9, Table 803.9)

_____ Textile/expanded vinyl coverings (803.1.2 - 803.1.4, 803.5 - 803.8)

_____ Floor finish (804)

_____ Combustible materials (805)

_____ Decorations and trim (806)

_____ Acoustical ceiling systems (808)

FIRE PROTECTION (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) (407.5, 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 accessory

_____ occupancies (Table 508.2.5)

_____ Additional required systems (Table 903.2.11.6)

_____ International Fire Code (IFC 903.2.11.6)

AUTOMATIC SPRINKLER SYSTEMS* (903) (Design)

_____ Shop drawings (107.2.2)

_____ 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)

_____ Water supplies (903.3.5)

_____ Hose threads (903.3.6)

_____ 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)

_____ Commercial cooking systems (904.2.1, 904.11)

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)

_____ Hose connections and locations (905.1, 905.4, 905.5, 905.6)

_____ Cabinets (905.7)

_____ Dry standpipes (905.8)

_____ Valve supervision (905.9)

Actuation (903.3.4)

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, R-4) (907.2.8, 907.2.9, 907.2.10)

_____ Single/multiple station smoke alarms (907.2.11)

_____ High-rise buildings (907.2.13)

_____ Atriums (907.2.14)

_____ Other buildings/areas (907.2.12, 907.2.15 - 907.2.23)

FIRE ALARM AND DETECTION SYSTEMS (907)
(Design)

_____ Residential smoke alarm interconnection (907.2.11.3)

_____ Residential smoke alarm power source (907.2.11.4)

_____ Fire safety functions (907.3)

_____ Initiating devices (907.4)

_____ Occupant notification (907.5)

_____ Installation (907.6, 907.7)

EMERGENCY ALARM SYSTEMS (908)

_____ Detection system applicable (908.1 - 908.6)

SMOKE CONTROL SYSTEMS (909)

_____ Where required (402.10, 404.5, 405.5, 408.9, 410.3.7.2, 1022.9, 1028.6.2.1)

_____ 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)

SMOKE AND HEAT VENTS (910)

_____ Requirements (910.1 - 910.3)

_____ Mechanical alternative (910.4)

FIRE COMMAND CENTER (911)

_____ Requirements (911.1.1 - 911.1.5)

FIRE DEPARTMENT CONNECTIONS (912)

_____ Installation (912.1 - 912.5)

FIRE PUMPS (913)

_____ Requirements (913.1 - 913.5)

EMERGENCY RESPONDER SAFETY FEATURES/ RADIO COVERAGE (914, 915)

_____ Requirements (914.1, 914.2, 915.1)

OCCUPANT NEEDS (Chapters 10, 11, 12)

MEANS OF EGRESS (Chapter 10)

OCCUPANT LOAD (1004.1.1 and Table 1004.1.1)

Location	Floor Area	-7	Sq.ft./ person	=	Occt. load	Other occt. loads	Total

CAPACITY OF EGRESS COMPONENTS (1005.1)

Location	Stairways	Other egress components

NUMBER OF EXITS (1021.1, 1021.2)

Location	Required	Shown

MEANS OF EGRESS (continued)

GENERAL MEANS OF EGRESS

_____ Design requirements (1003.2 - 1003.7)

_____ Door/Hardware encroachment (1005.2, 1005.3)

_____ Means of egress illumination (1006)

_____ Exit signs (1011)

_____ Accessible means of egress (1007)

_____ Means of egress doors (1008.1 - 1008.1.3)

_____ Special doors/Gates/Turnstiles (1008.1.4, 1008.2, 1008.3)

_____ Door landings/Thresholds/Arrangement (1008.1.5 - 1008.1.8)

_____ Door hardware (1008.1.9, 1008.1.10)

_____ Stairways (1009)

_____ Roof access (1009.13)

_____ Ramps (1010)

_____ Handrails (1012)

_____ Guards (1013)

_____ Luminous egress path markings (1024)

EXIT ACCESS

_____ Door number and arrangement (1014.2, 1015.1, 1015.2)

_____ Common path of egress travel (1014.3)

_____ Exit access travel distance (1016.1)

_____ Aisles (1017)

_____ Egress balconies (1016.2, 1019)

_____ Corridors (1018)

_____ Air movement in corridors (1018.5)

EXITS / EXIT DISCHARGE

_____ Exits/Exit doors (1020, 1021)

_____ Vertical exit enclosures (1022)

_____ Exit passageways (1023)

_____ Horizontal exits (1025)

_____ Exterior exit ramps/stairways (1026)

_____ Exit discharge (1027)

OTHER MEANS OF EGRESS

_____ Miscellaneous egress requirements (1015.3 - 1015.6)

_____ Bleachers (1028.1.1)

_____ Assembly exits & egress (1028.2 - 1028.5)

_____ Assembly aisles & features (1028.6 - 1028.15)

_____ Emergency escape and rescue (1029)

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)

_____ Signage (1110)

INTERIOR ENVIRONMENT (Chapter 12)

_____ Ventilation (1203)*

_____ Temperature control (1204)

_____ Lighting (1205)

_____ Yards or courts (1206)

_____ Sound transmission (1207) Interior

_____ space dimensions (1208) Access to

_____ unoccupied spaces (1209)

Surrounding materials (1210, 2509)

_____

BUILDING ENVELOPE (Chapters 13, 14, 15)

EXTERIOR WALLS (Chapter 14)

_____ Performance requirements (1403)

_____ Materials (1404)

_____ Exterior wall coverings/MCM's (1405, 1407)

_____ Combustible material restrictions (1406)

_____ EIFS (1408)

ROOF ASSEMBLIES AND ROOFTOP STRUCTURES (Chapter 15)

_____ Weather protection (1503)

_____ Flashing (1503.2, 1507.2.9, 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)

_____ Rooftop structures (1509)

_____ Reroofing (1510)

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, 1607.9, 1607.10)

_____ Roof live loads (1603.1.2, 1607.11)

_____ Roof snow loads (1603.1.3, 1608)

_____ 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 7-2, 7.3.1 of ASCE 7)

_____ If p_g > 10 psf, snow load importance factor, I (7.3.3, Table 7-4 of ASCE 7)

_____ If p_g > 10 psf, roof thermal factor, C_t (Table 7-3, 7.3.2 of ASCE 7)

_____ Sloped roof snow load, p_s (7.4 of ASCE 7)

DESIGN LOADS (continued)

Wind loads (1603.1.4, 1609; Chapter 6 of ASCE 7)

_____ Design procedure (1609.6, 6.1.2 of ASCE 7)

_____ Alternate all-heights method (1609.6)

_____ Basic wind speed (1609.3; Fig. 6-1 of ASCE 7)

_____ Occupancy category (Table 1604.5; Table 1-1 of ASCE 7)

_____ Wind importance factor, I (Table 6-1, 6.5.5 of ASCE 7)

_____ Surface roughness/Exposure categories (1609.4; 6.5.6 of ASCE 7)

_____ Internal pressure coefficient (Fig. 6-5, 6.5.11.1 of ASCE 7)

_____ Component and cladding pressures (6.1.4.2, 6.4.2.2, 6.5.12.4 of ASCE 7)

_____ Main wind-force resisting system (6.1.4.1, 6.4.2.1, 6.5.12.2 of ASCE 7)

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

_____ Occupancy category (Table 1604.5; Table 1-1 of ASCE 7)

_____ Seismic importance factor (11.5.1, Table 11.5-1 of ASCE 7)

_____ Mapped spectral response acceleration, S_s and S_1 (1613.5.1; 11.4.1 of ASCE 7)

_____ Spectral response coefficients, S_{DS} & S_{D1} (1613.5.4; 11.4.4 of ASCE 7)

_____ Site class (1613.5.2; 11.4.2 of ASCE 7)

_____ Seismic design category (1613.5.6; 11.6 of ASCE 7)

_____ Basic seismic-force-resisting system (Table 12.2-1 of ASCE 7)

_____ Response modification coefficient, R, and deflection amplification factor, C_d (Table 12.2-1 of ASCE 7)

_____ Analysis procedure (12.6 of ASCE 7)

_____ Design base shear (12.8 of ASCE 7)

Flood loads (1603.1.7, 1612)

_____ Flood hazard area (1612.3)

_____ Elevation of structure (1612.5)

Other loads

_____ Concentrated loads (1607.4)

_____ Partition loads (1607.5)

_____ Impact loads (1607.8)

_____ Misc. loads (Table 1607.6, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)

Structural integrity (1614)

_____ Design requirements (1614.1 - 1614.4)

QUALITY ASSURANCE (Chapter 17)

_____ Approvals/Research report(s)(1703, 1703.4.2) Report No._____

_____ Statement of special inspections (1704.1.1, 1705)

_____ Prefabricated items (1704.2)

_____ Steel construction (1704.3)

_____ Concrete construction (1704.4)

_____ Masonry construction (1704.5)

_____ Wood construction (1704.6)

_____ Prepared fill and foundations (1704.7 - 1704.11)

_____ Sprayed fire-resistant materials and coatings (1704.12, 1704.13)

_____ EIFS (1704.14)

_____ Smoke control (1704.16) Wind

_____ requirements (1706) Seismic

_____ resistance (1707) Contractor

_____ responsibility (1709)

_____ Structural testing/Observations (seismic) (1708, 1710)

_____ Testing (other) (1711 - 1716)

SOILS AND FOUNDATIONS (Chapter 18)

_____ Soils investigations/Reports (1803.1, 1803.2, 1803.3, 1803.6)

_____ Soil classification (1803.5)

_____ Excavation,grading,fill(1804)

_____ Dampproofing,waterpr

oofing(1805)
(1603.1.6, 1806)

_____ Load-bearing values

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 and reinforced concrete design/construction standard specified (1901.2, 1908)

_____ Construction documents (1901.4)

_____ Minimum concrete strength (Table 1904.3)

_____ Cold weather and hot weather construction specified (1905.12, 1905.13)

_____ Slab provisions (1910)

MASONRY (Chapter 21)

_____ Design method, construction standard specified (2101.2)

_____ Construction-documents(2101.3)

_____ Construction-materials(2103)

_____ type (2103.8)

_____ Cold weather and hot weather construction specified (2104.3, 2104.4)

_____ Seismic design (2106) Glass

_____ Mortar unit masonry (2110)

_____ Fireplaces/Heaters/Chimneys (2101.3.1, 2111, 2112, 2113)

STEEL (Chapter 22)

_____ Structural steel design/construction standard specified (2205)

_____ Open-web steel joist design/construction standard specified (2206)

_____ Steel cable structures (2207)

_____ Steel storage racks (2208)

_____ Cold-formed steel design/construction standard specified (2209)

_____ Cold-formed steel light-framed design/construction standard specified (2210)

WOOD (Chapter 23)

_____ Design method option used (2301.2)

MATERIAL STANDARDS / CONSTRUCTION REQUIREMENTS (2303 - 2306)

_____ Lumber (2303.1.1)

_____ Wood I-joists (2303.1.2)

_____ Glue-laminated timbers (2303.1.3)

_____ Wood structural panels (2303.1.4, 2304.6, 2304.7)

_____ Fiber-, hard-, & particle-, boards (2303.1.5 - 2303.1.7)

_____ Decay and termite protection (2303.1.8, 2304.11)

_____ Structural composite lumber (2303.1.9)

_____ Structural log members (2303.1.10)

_____ Round timber poles and piles (2303.1.11)

_____ 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, 2304.9, Table 2304.9.1)

_____ Heavy timber construction (2304.10)

_____ Shear walls and diaphragms (2305, 2306)

CONVENTIONAL LIGHT-FRAME CONSTRUCTION (2308)

_____ Limitations satisfied (2308.2)

_____ Wind/Seismic requirements (2308.2.1, 2308.2.2, 2308.11, 2308.12)

_____ Braced walls (2308.3, 2308.9.3)

_____ Foundation anchorage (2308.3.3, 2308.6)

_____ Floor joists (Tables 2308.8[1], 2308.8[2])

_____ Wall studs (Table 2308.9.1)

_____ Girders (Tables 2308.9.5 and 2308.9.6, 2308.7)

_____ Ceiling joists (Tables 2308.10.2[1], 2308.10.2[2])

_____ Roof rafters (Tables 2308.10.3.[1] - 2308.10.3[6])

_____ Roof uplift (2308.10.1)

NONSTRUCTURAL MATERIALS (Chapters 24, 25, 26)

GLASS AND GLAZING (Chapter 24)

_____ Sloped glazing and skylights (2405)

_____ Safety glazing (2406, 2407, 2408, 2409)

GYPSUM BOARD AND PLASTER (Chapter 25)

_____ Gypsum board materials (2506, Table 2506.2, Table 2508.1)

_____ Plaster (2507, 2508, 2510 - 2513)

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)

_____ Protection against termites (2603.8)

_____ Special approval (2603.9)

MISCELLANEOUS PLASTICS

_____ Interior finish and trim (2604)

_____ Plastic veneer (2605)

_____ Light-transmitting plastics (2606 - 2611)

_____ Fiber reinforced and fiberglass reinforced polymer (2612)

BUILDING SERVICES* (Chapters 27, 28, 29, 30)

ELEVATORS AND CONVEYING SYSTEMS (Chapter 30)

_____ Construction standard specified (3001.2)

_____ Hoistway enclosures (3002)

_____ Opening protectives (3002.1.1)

_____ Emergency operations (3003)

_____ Hoistway venting (3004)

_____ Conveying systems (3005)

_____ Machine rooms (3006)

_____ Fire service access elevator (3007)

_____ Occupant evacuation elevator (3008)

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 pool enclosures (3109)

_____ Automatic vehicular gates (3110)

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)

EXISTING STRUCTURES (Chapter 34)

_____ Building materials (3401.4)

Additions, alterations,

repairs (3403 - 3405)

_____ Fire escapes (3406)

_____ Change of occupancy (3408)

_____ Accessibility (3411)

_____ Compliance alternatives (3412)

BUILDING EVALUATION SUMMARY (Table 3412.7)

Existing occupancy: _____ Proposed occupancy: _____

Year building was constructed: _____ Number of stories: _____ Height in feet: _____ Type of construction: _____ Area per floor: _____ Percentage of open perimeter increase: _____% Corridor wall rating: _____

Completely suppressed: Yes _____ No _____ Required door closers: _____ Yes _____ No _____

Compartmentation: Yes _____ No _____

Fire-resistance rating of vertical opening enclosures: _____

Type of HVAC system: _____, serving number of floors: _____

Automatic fire detection: Yes _____ Fire alarm system: Yes _____ Smoke control: Yes _____ No _____, type and location: _____ No _____, type: _____

Adequate exit routes: Yes _____ No _____ Dead ends: Yes _____ No _____

Maximum exit access travel distance: _____ Elevator controls: Yes _____ No _____

Means of egress emergency lighting: Yes _____ No _____ Mixed occupancies: Yes _____ No _____

Safety parameters	Fire safety (FS)	Means of egress (ME)	General safety (GS)
3412.6.1 Building height			
3412.6.2 Building area			
3412.6.3 Compartmentation			
3412.6.4 Tenant and dwelling unit separations			
3412.6.5 Corridor walls			
3412.6.6 Vertical openings			
3412.6.7 HVAC systems			
3412.6.8 Automatic fire detection			
3412.6.9 Fire alarm system			
3412.6.10 Smoke control	* * * *		
3412.6.11 Means of egress capacity	* * * *		
3412.6.12 Dead ends	* * * *		
3412.6.13 Max. exit access travel distance	* * * *		
3412.6.14 Elevator control			
3412.6.15 Means of egress emergency lighting	* * * *		
3412.6.16 Mixed occupancies		* * * *	
3412.6.17 Automatic sprinklers		-7 2 =	
3412.6.18 Standpipes			
3412.6.19 Incidental accessory occupancy			
Building score — total value			

* * * * No applicable value to be inserted.

BUILDING SAFETY EVALUATION SCORE (Table 3412.9)

Formula	Table 3412.7		Table 3412.8		Score	Pass	Fail
FS–MFS ◆ 0	_____ (FS)	—	_____ (MFS)	=	_____	_____	_____
ME–MME ◆ 0	_____ (ME)	—	_____ (MME)	=	_____	_____	_____
GS–MGS ◆ 0	_____ (GS)	—	_____ (MGS)	=	_____	_____	_____

FS = Fire Safety
ME = Means of Egress
MFS = Mandatory Fire Safety
MME = Mandatory Means of Egress

APPENDICES A - K

_____ Appendices adopted (101.2.1) _____ Compliance verified