BUILDING EVALUATION SUMMARY *(Table 3410.7)*

Existing occupancy _____ Proposed occupancy _____
Year building was constructed _____ Number of stories _____ Height in feet _____
Type of construction _____ Area per floor _____
Percentage of frontage _____% Corridor wall rating _____
Completely suppressed: Yes _____ No _____ Required door closers: _____ Yes _____ No _____
Compartmentation: Yes _____ No _____
Fireresistance rating of vertical opening enclosures _____
Type of HVAC system _____, serving number of floors _____
Automatic fire detection: Yes _____ No _____, type and location _____
Fire alarm system: Yes _____ No _____, type _____
Smoke control: Yes _____ 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)
3410.6.1 Building height			
3410.6.2 Building area			
3410.6.3 Compartmentation			
3410.6.4 Tenant and dwelling unit separations			
3410.6.5 Corridor walls			
3410.6.6 Vertical openings			
3410.6.7 HVAC systems			
3410.6.8 Automatic fire detection			
3410.6.9 Fire alarm system			
3410.6.10 Smoke control	* * * *		
3410.6.11 Means of egress	* * * *		
3410.12 Dead ends	* * * *		
3410.13 Max. exit access travel distance	* * * *		
3410.6.14 Elevator control			
3410.6.15 Means of egress emergency lighting	* * * *		
3410.6.16 Mixed occupancies		* * * *	
3410.6.17 Automatic sprinklers		÷ 2 =	
3410.6.18 Incidental use area protection			
Building score — total value			

* * * * No applicable value to be inserted.

BUILDING SAFETY EVALUATION SCORE *(Table 3410.9)*

Formula	Table 3410.7		Table 3410.8		Score	Pass	Fail
FS–MFS ≥ 0	_____ (FS)	—	_____ (MFS)	=	_____	_____	_____
ME–MME ≥ 0	_____ (ME)	—	_____ (MME)	=	_____	_____	_____
GS–MGS ≥ 0	_____ (GS)	—	_____ (MGS)	=	_____	_____	_____

FS = Fire Safety — MFS = Mandatory Fire Safety
ME = Means of Egress — MME = Mandatory Means of Egress
GS = General Safety — MGS = Mandatory General Safety

APPENDICES A - J

_____ Appendices adopted *(101.2.1)* _____ Compliance verified

#09-0308

2003 INTERNATIONAL BUILDING CODE® PLAN REVIEW RECORD

Plan Review # 5/-5/29
Date: _____
Valuation: _____
Fee: _____

JURISDICTION: Portland *(City, County, Township, etc.)*
BUILDING LOCATION: 331 Veranda St. *(Street address)*
BUILDING DESCRIPTION: Martin's Point MOB/2 Parking Garages open
REVIEWED BY: CL

Numerals indicated in parenthesis are applicable code sections of the 2003 *International Building Code*. The plan review accomplished as indicated in this record is limited to those code sections specifically identified herein. This record references commonly applicable code sections. It does not reference all code provisions which may be applicable to specific buildings. This record is designed to be used only by those who are knowledgeable and capable of exercising competent judgement in evaluating construction documents for code compliance.

CORRECTION LIST

No.	DESCRIPTION	Code Section
1.	Documents - special Insp O.K.	
2.	Review Summary MTG - Set Braces	

CORRECTION LIST (cont'd.)

No.	DESCRIPTION	Code Section

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)*
- ____ 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)*
- ____ Special approval *(2603.8)*

MISCELLANEOUS PLASTICS

- ____ Interior finish and trim *(2604)*
- ____ Plastic veneer *(2605)*
- ____ Light-transmitting plastics *(2606 - 2611)*

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)*

* 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)*
- ____ Awnings and canopies/Marquees *(3105, 3106)*
- ____ Signs *(3107)*
- ____ Radio and television towers *(3108)*
- ____ Swimming pool enclosures *(3109)*

PEDESTRIAN WALKWAYS AND TUNNELS (3104)

- ____ Construction and use *(3104.3, 3104.4)*
- ____ Separation *(3104.5, 3104.10)*
- ____ Public way *(3104.6)*
- ____ Egress/Ventilation *(3104.7 - 3104.9, 3104.11)*

EXISTING STRUCTURES (Chapter 34)

- ____ Additions, alterations, repairs *(3403)*
- ____ Fire escapes *(3404)*
- ____ Change of occupancy *(3406)*
- ____ Accessibility *(3409)*
- ____ Compliance alternatives *(3410)*

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)*

3000 Minimum concrete strength *(Table 1904.2.2[2])*

____ Hot weather and cold weather curing specified *(1905.12, 1905.13)*

____ Seismic design *(1910)*

____ Slab provisions *(1911)*

MASONRY (Chapter 21)

____ Design method, construction standard specified *(2101.2)*

____ Construction documents *(2101.3)*

____ Construction materials *(2103)*

____ Mortar type *(2103.7)*

____ Cold weather and hot weather construction specified *(2104.3, 2104.4)*

____ Seismic design *(2106)*

____ Glass unit masonry *(2110)*

____ Fireplaces/Heaters/Chimneys *(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)*

____ Light framed cold-formed steel design/construction standard specified *(2210)*

____ Wind/seismic design of light-framed, cold-formed steel shear walls *(2211)*

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)*

____ Fire-retardant-treated wood *(2303.2)*

____ Hardwood plywood *(2303.3)*

____ Metal plate connected 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, 2308.9.6)*

____ 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)*

CORRECTION LIST (cont'd.)

No.	DESCRIPTION	Code Section

CORRECTION LIST (cont'd.)		
No.	DESCRIPTION	Code Section

DESIGN LOADS (continued)

Wind loads *(1603.1.4, 1609)*

______ Design option utilized *(1609.1.1, 1609.6)*

______ Basic wind speed *(1609.3)*

______ Building category and wind importance factor, I_W *(Table 1604.5, 1609.5)*

______ Wind exposure category *(1609.4)*

______ Internal pressure coefficient *(ASCE 7)*

______ Component and cladding pressures *(1609.1.1, 1609.6.2.2)*

______ Main force wind pressures *(1609.1.1, 1609.6.2.1)*

Earthquake design data *(1603.1.5, 1614 - 1623)*

______ Design option utilized *(1614.1)*

______ Seismic use group ("Category") *(Table 1604.5, 1616.2)*

______ Spectral response coefficients, S_{DS} & S_{D1} *(1615.1)*

______ Site class *(1615.1.5)*

______ Seismic design category *(1616.3)*

______ Basic seismic-force-resisting system *(Table 1617.6.2)*

______ Response modification coefficient, R, and deflection amplification factor, C_d *(Table 1617.6.2)*

______ Analysis procedure *(1616.6, 1617.5)*

______ Design base shear *(1617.4, 1617.5.1)*

Flood loads *(1603.1.6, 1612)*

______ Flood hazard area *(1612.3)*

______ Elevation of structure

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)*

QUALITY ASSURANCE (Chapter 17)

______ Approvals/Research report(s)*(1703, 1703.4.2)* Report No.__________

__✓__ Owner's special inspection program specified *(1704.1.1)*

______ 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, 1704.8, 1704.9)*

______ Wall panels and veneers/EIFS *(1704.10, 1704.12)*

______ Sprayed fire-resistant materials *(1704.11)*

______ Quality assurance plan - Seismic/Wind *(1705, 1706)*

__✓__ Seismic resistance *(1707)*

__✓__ Structural testing/Observations (seismic) *(1708, 1709)*

__✓__ Testing (other) *(1710 - 1715)*

SOILS AND FOUNDATIONS (Chapter 18)

__✓__ Soils investigations/Reports *(1802.1, 1802.6)*

__✓__ Soil classification *(1802.3)*

__✓__ Excavation, grading and fill *(1803)*

__✓__ Load-bearing values *(1804)*

__✓__ Footings and foundations *(1805)*

__✓__ Retaining walls *(1806)*

__✓__ Dampproofing and waterproofing *(1807)*

__✓__ Foundations (other types) *(1808 - 1812)*

INTERIOR ENVIRONMENT (Chapter 12)

✓ Ventilation openings *(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)

*See Energy Conservation Code Plan Review Record

EXTERIOR WALLS (Chapter 14)

✓ Performance requirements *(1403)*
___ Materials *(1404)*
✓ Exterior wall coverings/MCM's *(1405, 1407)*
___ Combustible material restrictions *(1406)*

ROOF ASSEMBLIES AND ROOFTOP STRUCTURES (Chapter 15)

✓ Weather protection *(1503)*
✓ Flashing *(1503.2, 1507.2.9, 1507.3.9, 1507.5.6, 1507.7.6, 1507.8.7, 1507.9.8)*
✓ 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 *(106.1, 106.1.1)*

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603)

Uniformly distributed floor live loads *(1603.1.1, 1607)*

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)*
___ If P_g > 10 psf, flat-roof snow load, P_f *(1608.3)*
___ If P_g > 10 psf, snow exposure factor, C_e *(Table 1608.3.1)*
___ If P_g > 10 psf, snow load importance factor, I_s *(Table 1604.5)*
___ Roof thermal factor, C_t *(Table 1608.3.2)*
___ Sloped roof snowload, P_s *(1608.4)*

NOTES: N.R. — Not required
N.A. — Not applicable

ADMINISTRATION (Chapter 1)

✓ Complete construction documents *(106.1, 106.2)*
✓ Signed/sealed construction documents *(106.1, State laws vary)*

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

OCCUPANCY CLASSIFICATION (302.0-312.0)

___ Single Occupancy *(302.1)*
✓ Mixed Occupancy *(302.3)* B/S-2
___ Incidental use areas *(302.1.1)*
___ Accessory use areas *(302.2)*

GENERAL BUILDING LIMITATIONS (Chapters 5 & 6)

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.

AREA MODIFICATIONS TO TABLE 503

% of Allowable tabular area, A_t *(Table 503)* 100%
% Increase for frontage, I_f *(506.2)* + 0 %
% Increase for automatic sprinklers, I_s *(506.3)* + 200%
Total percentage factor = 200 %
Conversion factor 3 (Total percentage factor ÷ 100%)

Frontage *(506.2)*
North ___ ft. West
Total Fro___ ___ ft.
MISSING PLANS

CASE 1 — SINGLE OCCUPANCY OR NO

Using Table 503, identify the allowable height and area of the single mixed occupancies. Construction types that provide an allowable tabu area and allowable heights (as modified by Section 504) equal to or grea ed.

DETERMINE CONSTRUCTION TYPE

Actual building area 42,000 ft²
Adjusted building area ___ ft² (actual building area ÷ conversion factor)
Actual building height 2 feet 45 stories w/ basement
Allowable building height ___ feet ___ stories
Permitted types of construction 2B
Type of construction assumed for review *(602.1.1)* 2B

Allowable ar .4)
~~28,000~~ (conversion factor) × ___ (ular area *(Table 503)*) = 78,000 ft² Allowe.
Total floor area (all stories) 42,000 ft²
Allowable floor area (all stories)
___ (Allowable area per floor (A_a)) × ___ (number of stories (maximum 3)) = ___ ft²
Compliance verified (Single Occ. or Nonsep.) ___

CASE 2 — MIXED OCCUPANCY SEPARATED USES (302.3.2)

Using Table 503, identify the allowable height and area of each of the separated uses 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 use are permitted.

Story	Group	Actual floor area	Adjusted floor area*	Actual height	Allowable height
		ft²	ft²	ft stories	ft stories
		ft²	ft²	ft stories	ft stories
		ft²	ft²	ft stories	ft stories
		ft²	ft²	ft stories	ft stories
		ft²	ft²	ft stories	ft stories
		ft²	ft²	ft stories	ft stories
		ft²	ft²	ft stories	ft stories

$\sum \frac{\text{Adjusted floor area *}}{\text{Allow. tab. area, } A_t \text{ (Table 503)}} = \_\_\_ + \_\_\_ + \_\_\_ + \_\_\_ = \_\_\_ \leq 1.00$

*Adjusted floor area = actual floor area ÷ conversion factor

CHECK ALLOWABLE AREA (506.4)

Allowable area per floor (A_a)

_____ (conversion factor) × _____ (tabular area *(Table 503)*) = _____ ft²

Total floor area (all stories) _____ ft²

Allowable floor area (all stories)

_____ (Allowable area per floor (A_a)) × _____ (number of stories (maximum 3)) = _____ ft²

Permitted types of construction _____

Type of construction assumed for review *(602.1.1)* _____

Compliance verified (Mixed Occ. Separated) _____

MEZZANINES (505)

_____ Area limitation *(505.2)*

_____ Egress *(505.3)*

N/A

_____ Openness *(505.4)*

_____ Equipment platforms *(505.5)*

UNLIMITED AREA BUILDINGS (507)

_____ Unsprinklered, one story *(507.1)*

_____ Sprinklered, one story *(507.2)*

_____ Two story *(507.3)*

_____ Reduced open space *(507.4)*

_____ Group A-3 buildings *(507.5)*

N/A

_____ High-hazard use groups *(507.6)*

_____ Aircraft paint hangar *(507.7)*

_____ Group E buildings *(507.8)*

_____ Motion picture theaters *(507.9)*

SPECIAL PROVISIONS (508)

_____ Special condition applicable *(508.1)*

_____ Compliance verified

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

COVERED MALL BUILDINGS (402)

_____ Egress *(402.4, 402.11)*

_____ Mall width *(402.5)*

_____ Unlimited area *(402.6)*

_____ Fire separations *(402.7)*

_____ Automatic sprinkler system *(402.8)*

N/A

_____ Standpipe system *(402.8.1)*

_____ Smoke control *(402.9)*

_____ Kiosk requirements *(402.10)*

_____ Emergency voice/alarm *(402.12, 402.13)*

_____ Plastic signs *(402.14)*

_____ Fire department access *(402.15)*

MEANS OF EGRESS (continued)

GENERAL MEANS OF EGRESS

_____ Design requirements *(1003.2 - 1003.7)*

✓ Means of egress illumination *(1006)*

✓ Exit signs *(1011)*

✓ Accessible means of egress *(1007)*

_____ Means of egress doors *(1008.1-1008.1.2)*

_____ Special doors/Gates/Turnstiles *(1008.1.3, 1008.2, 1008.3)*

_____ Door landings/Thresholds/Arrangement *(1008.1.4 -1008.1.7)*

_____ Door hardware *(1008.1.8, 1008.1.9)*

✓ Stairways *(1009)*

✓ Handrails *(1009.11)*

_____ Roof access *(1009.12)*

✓ Ramps *(1010)*

_____ Guards *(1012)*

EXIT ACCESS

✓ Door number and arrangement *(1013.2, 1014.1, 1014.2)*

✓ Exit access travel distance *(1013.3, 1015.1)*

✓ Aisles *(1013.4)*

_____ Egress balconies *(1013.5, 1015.3)*

_____ Corridors *(1016)*

_____ Air movement in corridors *(1016.4)*

EXITS / EXIT DISCHARGE

✓ Exits/Exit doors *(1017, 1018)*

✓ Interior exit stairways *(1019)*

_____ Exit passageways *(1020)*

_____ Horizontal exits *(1021)*

_____ Exterior exit ramps/stairways *(1022)*

_____ Exit discharge *(1023)*

OTHER MEANS OF EGRESS

_____ Miscellaneous egress requirements *(1014.3 - 1014.6)*

_____ Bleachers *(1024.1.1)*

_____ Assembly exits & egress *(1024.2 - 1024.5)*

N/A

_____ Assembly aisles & features *(1024.6 -1024.15)*

_____ Emergency escape and rescue *(1025)*

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)*

*Also see Accessibility Plan Review Record

OCCUPANT NEEDS (Chapters 10, 11, 12)

MEANS OF EGRESS (Chapter 10)

OCCUPANT LOAD *(1004.1.2 and Table 1004.1.2)*

Location	Floor Area	÷ Sq.ft./ person	= Occt. load	Other occt. loads	Total
Basement					84
					84
1st					84
Main					4220
					588

CAPACITY OF EGRESS COMPONENTS *(1005.1 and Table 1005.1)*

Egress width (inch/occupant)

Stairways _____

Other egress components _____

CAPACITY

Location	Stairways	Other egress components

NUMBER OF EXITS *(1018.1, 1018.2)*

Location	Required	Shown

HIGH-RISE BUILDINGS (403)

_____ Automatic sprinkler system *(403.2)*

_____ Fire-resistance rating reduction *(403.3)*

_____ Automatic fire detection *(403.5)*

_____ Emergency voice/alarm systems *(403.6)*

_____ Fire department communication *(403.7)*

_____ Fire command center *(403.8)*

_____ Elevators *(403.9)*

_____ Standby power *(403.10)*

_____ Emergency power *(403.11)*

_____ Stairway doors *(403.12)*

_____ Smokeproof exit *(403.13)*

ATRIUMS (404)

_____ Atrium use *(404.2)*

_____ Automatic sprinkler system *(404.3)*

_____ Smoke control *(404.4)*

_____ Enclosure *(404.5)*

_____ Standby power *(404.6)*

_____ Interior finish *(404.7)*

_____ Travel distance *(404.8)*

OTHER SPECIAL USE AND OCCUPANCY

_____ Underground structures *(405)*

_____ Motor vehicle related occupancies *(406, 508)*

_____ 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 *(307.9, 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)*

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

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

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)

2 Exterior walls

0 Interior elements

0 Roof

FIRE-RESISTANCE RATINGS AND FIRE TESTS (703)

✓ Ratings / Combustibility *(703.2, 703.4)*

✓ Alternative methods *(703.3, 718, 720, 721)*

BUILDING ELEMENTS (Table 601)

☑ 2 Structural frame *(714)*

☐ 0 Interior bearing walls

☐ 0 Interior nonbearing walls

☐ 2 Floor construction *(711)*

☐ 0 Roof construction *(711)*

EXTERIOR WALLS (507, Table 602, 704, 706.6)

	North	East	South	West
Fire separation distance				
Bearing	☐	☐	☐	☐
Nonbearing	☐	☐	☐	☐

EXTERIOR WALLS (continued)

- ☐ ____ Opening protection *(704.8, 704.12, 704.14)*
- ☐ ____ Vertical fire spread protection *(704.9, 704.10)*
- ☐ ____ Parapets *(704.11)*

FIRE BARRIERS (706)

- ☐ 2 Shaft enclosures *(706.3.1)*
- ☐ 2 Exit enclosures *(706.3.2, 706.3.3)*
- ☐ ____ Horizontal exits *(706.3.4)*
- ☐ ____ Incidental use areas *(706.3.5)*
- ☐ 2 Mixed occupancy and fire area separations *(706.3.6, 706.3.7)*

SHAFTS (707)

- ☐ ____ Exceptions *(707.2)*
- ☐ 2 Construction *(707.3 - 707.14)*

OTHER FIRE RESISTANT CONSTRUCTION

- ☐ ____ Fire walls *(705)*
- ☐ ____ Fire partitions *(708)*
- ☐ ✓ Smoke barriers *(709)*
- ____ ✓ Smoke partitions *(710)*
- ____ Penetrations *(712)*
- ____ Fire resistant joint systems *(713)*
- ____ ✓ Opening protectives *(715)*
- ____ Dampers *(716)*
- ____ Concealed spaces *(717)*
- ____ ✓ Thermal and sound-insulating materials *(719)*

INTERIOR FINISHES (Chapter 8)

- ____ Smoke development *(803.1)*
- ✓ Flame spread *(803.1)*
- ____ Non-textile finish *(803.2)*
- ____ Floor finish *(804)*
- ____ Decorations and trim *(805)*

FIRE PROTECTION (Chapter 9)

AUTOMATIC SPRINKLER SYSTEMS (903) (Where required)

- ____ Assembly (A-1, A-2, A-3, A-4, A-5) *(903.2.1)*
- ____ Educational (E) *(903.2.2)*
- ____ Factory/Industrial (F-1) *(903.2.3)*
- ____ High-hazard (H-1, H-2, H-3, H-4, H-5) *(903.2.4)*
- ____ Institutional (I-1, I-2, I-3, I-4) *(407.5, 903.2.5)*
- ____ Mercantile (M) *(903.2.6)*
- ____ Residential (R) *(903.2.7)*
- ✓ Storage/Repair garage (S-1) *(903.2.8)*
- ✓ Parking garages *(903.2.9)*
- ____ Windowless story *(903.2.10.1)*
- ____ Rubbish and linen chutes *(903.2.10.2)*
- ✓ Buildings over 55 ft. high *(903.2.10.3)*
- ____ Incidental use areas *(302.1.1)*
- ____ Additional required systems *(Table 903.2.13)*
- ____ International Fire Code *(IFC 903.2.13)*

AUTOMATIC SPRINKLER SYSTEMS* (903) (Design)

- ____ Shop drawings *(106.1.1.1)*
- X 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 suply *(903.3.5)*
- X Hose connections *(903.3.6, 903.3.7)*
- X Sprinkler monitoring and alarms *(903.4, 907.13)*

* 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)

- X 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)*
- ____ Hose connections and locations *(905.1, 905.4, 905.5, 905.6)*
- ____ Cabinets *(905.7)*
- X Dry standpipes *(905.8)*
- ____ Valve supervision *(905.9)*

PORTABLE FIRE EXTINGUISHERS (906)

- X Required locations - IFC *(906.1)*

FIRE ALARM AND DETECTION SYSTEMS (907) (Where required)

- X Construction documents *(907.1.1)*
- ____ Assembly (A-1, A-2, A-3, A-4, A-5) *(907.2.1)*
- X 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 power source *(907.2.10.2)*
- ____ Residential smoke alarm interconnection *(907.2.10.3)*
- ____ Location/Power supply/Wiring *(907.3 - 907.5)*
- ____ Activation/Presignal/Zones *(907.6 - 907.8)*
- ____ Alarm notification appliances *(907.9)*
- ____ Detectors *(907.10 - 907.12)*
- ____ Monitoring *(907.14)*

EMERGENCY ALARM SYSTEMS (908)

- X Detection system applicable *(908.1 - 908.6)*

SMOKE CONTROL SYSTEMS (909)

- ____ Where required *(402.9, 404.4, 405.5, 408.8, 410.3.7.2, 1019.1.8, 1024.6.2.1)*
- ____ Design requirements *(909.1 - 909.4)*
- X Smoke barriers *(909.5)*
- ____ Pressurization method *(909.6)*
- ____ Airflow method *(909.7)*
- ____ Exhaust method *(909.8)*
- ____ Equipment/Power *(909.10, 909.11)*
- ____ Detection and control *(909.12 - 909.18)*
- X Smokeproof enclosures *(909.20)*
- ____ Underground buildings *(909.21)*

SMOKE AND HEAT VENTS (910)

- ____ Requirements *(910.1 - 910.3)*
- ____ Mechanical alternative *(910.4)*

FIRE COMMAND CENTER (911)

- ____ Features *(911.1)*