EXTERIOR WALLS (continued)

- ☐ ___ Opening protection *(704.8, 704.12, 704.14)*
- ☐ N/R Vertical fire spread protection *(704.9, 704.10)*
- ☐ ___ Parapets *(704.11)*

FIRE BARRIERS (706)

- ☐ 1 Shaft enclosures *(706.3.1)*
- ☐ 1 Exit enclosures *(706.3.2, 706.3.3)*
- ☐ N/A Horizontal exits *(706.3.4)*
- ☐ 1 Incidental use areas *(706.3.5)*
- ☐ NONE Mixed occupancy and fire area separations *(706.3.6, 706.3.7)*

SHAFTS (707)

- ☐ ✓ Exceptions *(707.2)* — FIRE DAMPERS @ EACH PENETRATION
- ☐ ✓ Construction *(707.3 - 707.14)*

OTHER FIRE RESISTANT CONSTRUCTION

- ☐ NONE Fire walls *(705)*
- ☐ 1 N/R Fire partitions *(708)*
- ☐ N/A Smoke barriers *(709)*
- N/A 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)

SPRINKLER SYSTEMS (903) NFPA 13R

- ___ 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-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)*
- ___ 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 supply *(903.3.5)*
- ___ Hose connections *(903.3.6, 903.3.7)*
- ___ 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)

- ___ 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)*
- ___ Dry standpipes *(905.8)*
- ___ Valve supervision *(905.9)*

PORTABLE FIRE EXTINGUISHERS (906)

- ___ Required locations - IFC *(906.1)*

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

- ___ Construction documents *(907.1.1)*
- ___ 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) PER FFD

- ✓ 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)

- ___ 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)*
- N/R Design requirements *(909.1 - 909.4)*
- ___ 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)*
- ___ Smokeproof enclosures *(909.20)*
- ___ Underground buildings *(909.21)*

SMOKE AND HEAT VENTS (910)

- N/R Requirements *(910.1 - 910.3)*
- ___ Mechanical alternative *(910.4)*

FIRE COMMAND CENTER (911)

- ✓ Features *(911.1)*

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

Σ Adjusted floor area* / Allow. tab. area, A_t *(Table 503)* = ____ + ____ + ____ + ____ = ____ ≤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)*
- ____ 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)*
- ____ 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)*
- ____ 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)*
- N/A 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)*
- NA Aisles *(1013.4)*
- None Egress balconies *(1013.5, 1015.3)*
- ✓ Corridors *(1016)*
- NA Air movement in corridors *(1016.4)*

EXITS / EXIT DISCHARGE

- ✓ Exits/Exit doors *(1017, 1018)*
- ✓ Interior exit stairways *(1019)*
- NA Exit passageways *(1020)*
- NA Horizontal exits *(1021)*
- None ~~NA~~ 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)*
- ____ 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

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)*

See Cert Form

QUALITY ASSURANCE (Chapter 17)

- N/A Approvals/Research report(s) *(1703, 1703.4.2)* Report No.____
- ✓ Owner's special inspection program specified *(1704.1.1)*
- ✓ Prefabricated items *(1704.2)*
- N/A Steel construction *(1704.3)*
- ✓ Concrete construction *(1704.4)*
- N/A Masonry construction *(1704.5)*
- ✓ Wood construction *(1704.6)*
- ✓ Prepared fill and foundations *(1704.7, 1704.8, 1704.9)*
- N/A Wall panels and veneers/EIFS *(1704.10, 1704.12)*
- N/A 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)*
- N/A Retaining walls *(1806)*
- ✓ Dampproofing and waterproofing *(1807)*
- ✓ Foundations (other types) *(1808 - 1812)*

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