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IBC - Detail Code Review Use and Occupancy Classification: 310.1 Residential Group R-2 (Apartments) 406.1.1 Group U 508.2 Accessory occupancies 508.2.1 Accessory occupancies shall not occupy more than 10 percent of the building area of the story in which they are located. Type VB - No fire-resistance rating requirements for building elements Separation distance 5'≤X<10' VB 1-HR exterior wall(rated from both sides) $10' \le X < 30'$ VB 1-HR (inside only) VB No rating required X≥30 705.2.2 Projections (including balconies) may be of any material 705.5 When exterior walls are required to be rated: X<10' Rated for exposure from both sides X>10' Rated from inside 705.8 Exterior wall openings limited by table 705.8 (see table on elevation sheets) 705.11.4Parapet not required on any exterior walls 708.6 Exterior Walls: Exterior walls shall comply with req. of Section 705 for exterior Walls. 709.4 Fire partition continuity: from TOP of floor to bottom of decking above or to bottom of ceiling assembly (with fireblocking or draftstopping) All Rated vertical and horizontal assemblies shall be complete assemblies in that any penetrations shall be treated as in accordance with this section. All Rated vertical and horizontal assemblies shall be complete assemblies in that any joints shall be treated as in accordance with this section. 715 All Rated vertical and horizontal assemblies shall be complete assemblies in that any openings shall be treated as in accordance with this section. 715.4 Doors in 1-hour stair shaft shall have a rating of 1 hour All Rated vertical and horizontal assemblies shall be complete assemblies in that any ducts and air transfers shall be treated as in accordance with this section. 716.6.2 Ducts and air transfer openings penetrating a rated ceiling membrane must be installed with a listed ceiling radiation damper Fire blocking and draft-stopping shall be installed in concealed spaces in accordance with this section. 803.9 R-2: Exit enclosures, corridors, rooms and enclosed spaces required to have Class C finishes. 901.6.1 Automatic sprinkler system shall be monitored by a supervising station (NFPA 72) 901.6.2 Fire alarm system shall be monitored by a supervising station 903.2.8 Sprinkler System is required for Group R 903.3.1.2 NFPA 13R is permitted up to and including 4 stories 906.1 Fire extinguisher REQUIRED 907.2.11.2 Interconnected Smoke Alarms Required: Outside each sleeping area and in each sleeping room

NFPA 1003.2 Min egress ceiling height: 7'-6" 3.3.5 1004.1.1 Occupancy Load for Residential: 200 gross at 4,000 SF is 20 occupants Occupancy Load for Storage: 300 gross at 425 SF is 1 occupants 1005.3 Door swing shall not reduce the required egress width more than half 1006.1 Stair must be illuminated at all times 1007.3 Sprinkler precludes need for wider stair or area of refuge 1008.1.1 Min Door size: 32" clear (36" door) 1008.1.5 Same floor elevation on either side of doors 1008.1.6Landing not less than width of door 1008.1.848" plus door swing between doors in succession 1009.1 Min stair width 36" (for occ. less than 50) 1009.2 Min head clearance 80" (6'-8") 1009.4 7" rise max, and 11" run min 1009.5 Landing width no more than stair width 1009.6 Stair construction can be of any material permitted by construction type 1012.2 Handrails between 34"-38" 1012.6 Railing extensions must be 12" at top of stairs and 11" at bottom. 1013.2 Min Guard Height: 42" 1014.3 NFPA 101 Table A7.6 Sprinkled Apartments common Path Limit: 50' NFPA 101 30.2.5.3.2: "Travel within a dwelling unit shall not be included when determining the common path of travel 1016.1 Exit Access travel Distance: 250' (for sprinkled 13R R-2) 1018.2 Corridor Min Width: 36" (for occ under 50) 1022.8 Floor identification signs shall comply with this section 1023.2 Min exit passageway width: 36" for less than 50 occupants 1029.1 Sleeping rooms below the fourth story shall have emergency escape and rescue openings 1029.2 Min area: 5.7SF 24" Min height: 20" Min width: 1029.3 Max height above floor: 44" 1100 Chapter does not apply in the State of Maine 2406.4 Safety Glazing: all swinging doors, fixed and sliding panels of sliding door assemblies, glazing in an individual fixed or operable panel adjacent to a door where the nearest exposed edge of the glazing is within a 24 inch arc of either vertical edge of the door in a closed position and where the bottom exposed edge of the glazing is less than 60 inches above the walking surface, glazing with exposed area of an individual pane greater than 9 square feet, and glazing w/ exposed bottom edge less than 18 inches above floor.

3.3.32.5 Existing Building Residential Occupancy - Apartment Building 6.1.13.1 Storage Occupancy (basement) 6.1.14.4 Separated Occupancies 6.1.14.4.1—2HR separation between Apartment and Storage 7.1.5.1 Min headroom: 7'-6" 7.1.6.3 Cross Slope limited to 1:48 7.2.1.2.3.2 Egress door min clear width: 32" Door swing and force to open shall comply with this section 7.2.1.5 Door locks, latches and alarms shall comply with this section 7.2.2.2.1.1 Max riser height: 7" Min Tread depth: 11" Min headroom: 6'-8" 7.2.2.3.2.3 Min landing depth: stair width 7.2.2.2.1.2 Min stair width: 36" (for occupancy under 50) 7.2.2.4.4.1 Handrail height: 36" 7.2.2.4.4.6 Handrail shape: 1 ½" circular cross section Handrails shall return to wall or newel post 7.2.2.4.4.10 Handrails shall extend 12" at top of stair and one tread length at bottom 7.2.2.4.5.2 Min guard height: 42" 7.2.2.4.5.3 Open guards shall not allow the passage of a 4" sphere Stairway identification shall comply with this section. 7.3.1.2 Occupancy Load Residential 200 gross TOTAL OCCUPANT LOAD Unit 1=4 Unit 2=8 Unit 3 = 47.3.4 Min Egress width: 36" 7.8 Egress Illumination shall be in accordance with this section. 7.9 Emergency Lighting shall be in accordance with this section. Marking for means of egress shall comply with this section. New Apartment Buildings 30.2.2.1.2 In buildings protected throughout by an approved, supervised automatic sprinkler system in accordance with 30.3.5, exit enclosures shall have a minimum 1-hour fire resistance rating, and doors shall have a minimum 1-hour fire protection rating. 30.2.4.2 Dwelling units shall be permitted to have access to a single exit, provided that one of the following conditions is met 3.) The dwelling unit has direct access to an interior stair that serves only that unit and is separated from all other portions of the building by fire barriers having a minimum 1-hour fire resistance rating, with no opening therein Travel distance within a dwelling unit (apartment) to a corridor door shall not exceed 125ft in buildings protected throughout by an approved sprinkler system Existing Apartment Buildings 31.2.2.1.2 In buildings using Option 4, exit enclosures shall have a minimum 1-hour fire resistance rating, and doors shall have a minimum 1-hour fire protection rating. 31.2.4.2 Dwelling units shall be permitted to have access to a single exit, provided that one of the following conditions is met: 3. The dwelling unit has direct access to an interior stair that serves only that unit and is separated from all other portions of the building by fire barriers having a minimum 1-hour fire resistance rating, with no opening therein. Travel distance within a dwelling unit (apartment) to a corridor door shall not exceed the following limits 2. For buildings using Option 2 or Option 4, 125 ft Floor levels below the street floor used for storage shall have means of egress in accordance with Chapter 42 Classification of Rehabilitation Work Categories 5. Change of use or occupancy Addition 43.7.1 Change of use Where a change of occupancy classification creates other than an assembly occupancy, and the change occurs within the same hazard classification category or to an occupancy classification of a lesser hazard classification category, the building shall meet both of the following: 1. Requirements of the applicable existing occupancy chapters for the occupancy created by the change=Chp 31 2. Requirements for automatic sprinkler and detection, alarm, and communications systems and requirements for hazardous areas applicable to new construction for the occupancy created by the change = Chp 30 43.8 Additions Where an addition, as defined in 43.2.2.1.7, is made to a building, both of the following criteria shall be met: 1. The addition shall comply with other sections of this Code applicable to new construction for the occupancy. 2. The existing portion of the building shall comply with the requirements of this Code applicable to existing buildings for the occupancy. MAINE HUMAN RIGHTS ACT BUILDING IS EXISTING AND ACCESSIBILITY REGULATIONS OF MHRA DO NOT APPLY COST OF RENOVATION IS LESS THAN 75% OF BUILDING REPLACEMENT COST

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