907.2.11,2 Interconnected Smoke Alarms Required:

Outside each sleeping area, in each sleeping room and in each story within a

1003.2 Min egress ceiling height: 7'-6" 1003.5 Exception 1: A single step (under 7") allowed at exterior doors in R-2 that are not required to be accessible doors. 1004.1.1 Occupancy Load for Residential: 200 gross/at 6,285 SF is 31 occupants /4 Occupancy Load for Storage: 300 gross at 1,781 SF is 5 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 1015.1 One exit is permitting from dwelling units at occupant load for individual units is under 20 and building is sprinkled 13R. 1016.1 Exit Access travel Distance: 250' (for sprinkled 13R R-2) 1018.2 Corridor Min Width: 36" (for occ under 50) 1021.2 Three-story R-2 building is permitted to have one exit if under 4-units per floors, under 50' travel distance to exit, sprinkled 13R, and provided with emergency escape openings. Basement S-1 can have one exit is 29 occupants and 100 feet travel distance 1022.1 2-hour exit enclosure required when connecting 4-stories Stairway from basement not enclosed. Under 10 occupants and not open to story above 1022.8 Floor identification signs shall comply with this section 1023.2 Min exit passageway width: 36" for less than 50 occupants 1023.3 Exits passageway min rating: 1-hr (or rating of connected enclosure if greater: 2-hr) Constructed of fire barriers and horizontal assemblies. 1029.1 Sleeping rooms below the fourth story shall have emergency escape and rescue openings 1029.2 Min area: 5.7SF Min height: Min width: 1029.3 Max height about floor: 44" 1100 Chapter does not apply in the State of Maine Sound transmission between dwelling units Walls: STC-50 (45 field tested) Ceilings: IIC-50 (45 field tested) 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 7.9 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.

301.1 Climate Zone 6A 402.1.1 Element: Required: Provided: Fenestration U-Factor 0.35 max 0.17 49 min Ceiling R-Value 71 Wood Frame R-Value 20 min 32.6 Floor R-Value 30 min Slab R-Value 10 min 10 NFPA 10 Each floor shall have a single (2) unit Class A Fire Extinguisher NFPA 101 3.3.32.5 New Building Residential Occupancy - Apartment Building (Chapter 30) Storage (Chapter 42) 6.1.14.4.1 Required Separation - 2hr between Apt Bldg & Storage 6.1.14.4.3 1 hour separation required in sprinkled building Ordinary Hazard Contents Stairs connecting four or more stories shall have a minimum of 2 hour rating 7.1.5.1 Min headroom: 7'-6" Cross Slope limited to 1:48 7.1.6.3 7.2.1.2.3.2 Egress door min clear width: 32" Door swing and force to open shall comply with this section 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" 7.2.2.2.1.2 Min stair width: 36" (for occupancy under 50) 7.2.2.3.2.3 Min landing depth: stair width 7.2.2.4.4.1 Handrail height: 36" 7.2.2.4.4.6 Handrail shape: 1 ½" circular cross section 7.2.2.4.4.9 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 7.2.2.5.4 Stairway identification shall comply with this section. Stair discharge shall have a 2-hr fire resistance rating. 7.2.12.1.1 Sprinkler precludes need for area of refuge in stair. 7.3.1.2 Occupancy Load 200 gross at 6,285sf is 31 occupants Residential Apartment: 31 occupants 0.3 Occ. per in. for Stairs 7.4.1.1 See 30.2.4.4 and 42.2.41 Egress Illumination shall be in accordance with this section. Emergency Lighting shall be in accordance with this section. Marking for means of egress shall comply with this section. No minimum construction requirements 30.2.1.1 Means of Egress shall comply with Chapter 7 and Chapter 30 30.2.4.4 Single stair permitted from building given 4 stories Less than 4 units/floor Two exits from basement No distance from unit door to stair 2-hr rated stair Self-closing doors No corridors 1 hr rating between units 30.2.5 Common Path Limit: 50' 30.2.5.4.2 Dead-End Limit: 30.2.6.2 Max Travel Distance within unit (sprinkled): 30.2.6.3.2 Max Travel Distance from unit door to exit (sprinkled): Fire detection and alarm system shall comply with this section. 30.3.4.5 Smoke alarms shall be installed: In every sleeping area Outside every sleeping area

At least one on each level

30.3.7.2 Dwelling unit separation (sprinkled): ½ hour

No minimum construction requirements

30.3.6.1.2 Corridor walls (sprinkled): ½ hour

Dead End Corridor: 100'

Common Path of Travel: 100' Maximum Travel Distance: 400'

42.2.4.1

30.3.5.2 Sprinkler system NFPA 13R permitted for four or fewer stories.

Single means of egress allowed within common path of travel limit.

Storage area walls and ceilings shall be Class A, Class V or Class C

IECC

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