				IECC	
	t (ANSI A117.1 - Use the Fair Housing Guidelines) ction applies to multifamily housing accommodations constructed for first occupancy	IBC - Detail Code Review Use and Occupancy Classification:	1003.2 Min egress ceiling height: 7'-6"		ب م
ter March 13, 1991.		310.1 Residential Group R-2 (Apartments)	1003.5 Exception 1: A single step (under 7") allowed at exterior doors in R-2 that are not required to be	301.1 Climate Zone 6A	
ndards. Facilities s	subject to this section must meet the following standards.	311.2 Storage S-1	accessible doors.	402.1.1 Element: Required: Provided:	
	allow passage into and within all premises within those accommodations must be		1004.1.1 Occupancy Load for Residential: 200 gross at 4,756 SF is 29 occupants	Fenestration U-Factor 0.35 max 0.17 Ceiling R-Value 49 min 71	
	to allow passage by a person in a wheelchair. to a person in a wheelchair into and through the dwelling unit must exist.	420.2 Fire Partitions Separating Dwelling Units (709)	Occupancy Load for Storage: 300 gross at 1,824 SF is 29 occupants	Wood Frame R-Value 20 min 32.6	i i i i i
	ctrical outlets, thermostats and other environmental controls must be in locations	420.3 Floor Assemblies Separating Dwelling Units (712)	1005.3 Door swing shall not reduce the required egress width more than half 1006.1 Stair must be illuminated at all times	Floor R-Value 30 min 51	
	person in a wheelchair.	503 R-2 VA 7,000sf 3 stories 50' tall	1007.3 Sprinkler precludes need for wider stair or area of refuge	Slab R-Value 10 min 10	Δ ^τ
Bathroom walls mus	ist have reinforcements to accommodate the installation of grab bars.	S-1 VA 14,000sf 3 stories 50' tall	1008.1.1 Min Door size: 32" clear (36" door)	402.4.2.1 Air Sealing will be tested on-site using a blower door test.	
Kitchens and bathro	ooms must be accessible to and usable by a person in a wheelchair.	504.2 Where a building is equipped throughout with an approved automatic sprinkler system,	1008.1.5 Same floor elevation on either side of doors		
		the maximum building height is increased by 20 feet, and the maximum number of	1008.1.6Landing not less than width of door	NFPA 10	
ing: ding, height of: The v	vertical measurement from grade, or the predevelopment grade on the islands, to	stories is increased by one.	1008.1.848" plus door swing between doors in succession	NFPA 106.2.1.1 Each floor shall have a single (2) unit Class A Fire Extinguisher	
	roof beams in flat roofs	508.4 S-1 and R occupancies shall be separated by 1-HR when sprinklered 508.4.2 Allowable Area	1009.1 Min stair width 36" (for occ. less than 50)		
		508.4.2 Allowable Height	1009.2 Min head clearance 80" (6'-8") 1009.4 7" rise max, and 11" run min	NFPA 101	
ng Area Information		601 Type VA - No fire-resistance rating requirements for building elements	1009.5 Landing width no more than stair width		
ng Footprint:	1,824 SF	Primary Structural Frame 1hr	1009.6 Stair construction can be of any material permitted by construction type	3.3.32.5 New Building	
ng Area:	6,580 SF	Exterior Bearing walls 1hr	1009.13 Stairway required to extend to roof in four-story building	6.1.8.1.5 Residential Occupancy - Apartment Building (Chapter 30)	
Code Overview		Interior Bearing walls 1hr	1012.2 Handrails between 34"-38"	6.1.13 Storage (Chapter 42)	
	New Residential Apartment Building	Nonbearing ExteriorSee table 602Nonbearing Interior0hr	1012.6 Railing extensions must be 12" at top of stairs and 11" at bottom.	6.1.14.4.1 Required Separation - 2hr between Apt Bldg & Storage	
ruction:	No minimum requirement	Nonbearing Interior Ohr Floor Construction 1hr	1013.2 Min Guard Height: 42" 1014.3 NFPA 101 Table A7.6	6.1.14.4.3 1 hour separation required in sprinkled building	
ler:	NFPA 13R	Roof Construction 1hr	Sprinkled Apartments common Path Limit: 50'	6.2.2.3 Ordinary Hazard Contents	
ancy:	32 Occupants		NFPA 101 30.2.5.3.2: "Travel within a dwelling unit shall not be included when determining the		
		602 Separation distance $5' \le X < 10'$ VA 1-hr exterior wall NW building side	common path of travel	7.1.3.2.1 Stairs connecting four or more stories shall have a minimum of 2 hour ratin	ing
ode Overview		(rated from both sides)	1015.1 One exit is permitting from dwelling units at occupant load for individual units is under 20 and	7.1.5.1 Min headroom: 7'-6"7.1.6.3 Cross Slope limited to 1:48	
ruction:	R-2, S-1 Type VA	$10' \le X < 30'$ VA 1-hr	building is sprinkled 13R. 1016 1 Exit Access travel Distance: 250' (for sprinkled 13B B 2)	7.1.6.3 Cross Slope Inflited to 1.48 7.2.1.2.3.2 Egress door min clear width: 32"	
ler:	NFPA 13R	X≥30 VA No rating required	1016.1 Exit Access travel Distance: 250' (for sprinkled 13R R-2) 1018.1 Corridor Fire Rating: ½" (for sprinkled 13R R-2)	7.2.1.4 Door swing and force to open shall comply with this section	=
bancy:	23 in R-2 + 6 in S-2 = 29 Occupants	705.2.2 Projections (including balconies) may be of any material	1018.2 Corridor Min Width: 36" (for occ under 50)	7.2.1.5 Door locks, latches and alarms shall comply with this section	
-		705.5 When exterior walls are required to be rated:	1018.4 Dead-End Corridor Limit: 20' (for R-2)	7.2.2.1.1 Max riser height: 7"	
		X<10' Rated for exposure from both sides	1021.2 Three-story R-2 building is permitted to have one exit if under 4-units per floors, under 50' travel	Min Tread depth: 11"	
		X>10' Rated from inside	distance to exit, sprinkled 13R, and provided with emergency escape openings.	Min headroom: 6'-8" 7.2.2.2.1.2 Min stair width: 36" (for occupancy under 50)	
		705.8.1 Buildings whose exterior bearing walls, exterior non-bearing walls, and exterior primary structural frame are not required to be fire-resistance rated shall be permitted to have	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	7.2.2.3.2.3 Min landing depth: stair width	
		unlimited unprotected openings.	Stairway from basement not enclosed. Under 10 occupants and not open to story above	7.2.2.4.4.1 Handrail height: 36"	
		705.11.4Parapet not required on any exterior walls	1022.8 Floor identification signs shall comply with this section	7.2.2.4.4.6 Handrail shape: 1 ½" circular cross section	
		707.3.1 Fire Barrier required for shaft enclosure	1023.2 Min exit passageway width: 36" for less than 50 occupants	7.2.2.4.4.9 Handrails shall return to wall or newel post	
			1023.3 Exits passageway min rating: 1-hr (or rating of connected enclosure if greater)	7.2.2.4.4.10 Handrails shall extend 12" at top of stair and one tread length at bottom	
		707.5 Fire barriers: From TOP of floor to bottom of decking above (cont. thru concealed)	Constructed of fire barriers and horizontal assemblies.	7.2.2.4.5.2 Min guard height: 42"	
		707.5.1 Fire Barrier supporting construction shall have same rating708.1 Shaft enclosures shall be constructed of fire barriers and horizontal assemblies.	1029.1 Sleeping rooms below the fourth story shall have emergency escape and rescue openings	7.2.2.4.5.3 Open guards shall not allow the passage of a 4" sphere7.2.2.5.4 Stairway identification shall comply with this section.	
		708.2 Shaft enclosure is required stair	1029.2 Min area: 5.7SF Min height: 24"	7.2.6.3 Stair discharge shall have a 2-hr fire resistance rating.	Ó.
		708.4 Shaft Enclosure: 2 hour when connecting four or more stories	Min width: 20"	7.2.12.1.1 Sprinkler precludes need for area of refuge in stair.	L L
		709.1 Fire partitions required to separate dwelling units	1029.3 Max height about floor: 44"	7.3.1.2 Occupancy Load	DJEC
		709.3 Fire partitions shall be not less than 1-hr		Residential Apartment: 200 gross at 6,580sf is 32 occupants	PRO s
		709.4 Fire partition continuity: from TOP of floor to bottom of decking above or to bottom of	1100 Chapter does not apply in the State of Maine	Storage: NA	
		ceiling assembly (with fireblocking or draftstopping)	1207 Sound transmission between dwelling units	7.3.3.1 0.3 Occ. per in. for Stairs7.3.4 Min Egress width: 36"	
		712.3 Horizontal Assembly = Dwelling unit and sleeping unit separation in buildings of Type VA	Walls: STC-50 (45 field tested)	7.4.1.1 See 30.2.4.4 and 42.2.41	S
		construction shall have a fire-resistance rating of not less than 1 hour in buildings	Ceilings: IIC-50 (45 field tested)	7.8 Egress Illumination shall be in accordance with this section.	ION
		equipped with an automatic sprinkler system. 712.4 Supporting construction of horz. assembly between units is required to be rated in VA		7.9 Emergency Lighting shall be in accordance with this section.	VIS
		712.4 Supporting construction of horz. assembly between units is required to be rated in VA 713 All Rated vertical and horizontal assemblies shall be complete assemblies in that any	2406.4 Safety Glazing: all swinging doors, fixed and sliding panels of sliding door assemblies, glazing in an	7.10 Marking for means of egress shall comply with this section.	RE
		penetrations shall be treated as in accordance with this section.	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	30.1.6 No minimum construction requirements	
		All Rated vertical and horizontal assemblies shall be complete assemblies in that any	bottom exposed edge of the glazing is less than 60 inches above the walking surface, glazing with	30.1.6 No minimum construction requirements30.2.1.1 Means of Egress shall comply with Chapter 7 and Chapter 30	
		joints shall be treated as in accordance with this section.	exposed area of an individual pane greater than 9 square feet, and glazing w/ exposed bottom	30.2.4.4 Single stair permitted from building given	
		715 All Rated vertical and horizontal assemblies shall be complete assemblies in that any openings shall be treated as in accordance with this section.	edge less than 18 inches above floor.	 4 stories 	
		715.4 Doors in 2-hour stair shaft shall have a rating of 1-1/2 hour		 Less than 4 units/floor 	
		716 All Rated vertical and horizontal assemblies shall be complete assemblies in that any		Two exits from basement	C
		ducts and air transfers shall be treated as in accordance with this section.		 No distance from unit door to stair 2 br reted stair 	
		716.6.2 Ducts and air transfer openings penetrating a rated ceiling membrane must be installed with a listed ceiling radiation damper		 2-hr rated stairSelf-closing doors	PL
		717 Fire blocking and draft-stopping shall be installed in concealed spaces in accordance		 Self-closing doors No corridors 	
		with this section.		 1 hr rating between units 	
				30.2.5 Common Path Limit: 50'	<u> </u>
		803.9 R-2: Exit enclosures, corridors, rooms and enclosed spaces required to have Class C finishes.		30.2.5.4.2 Dead-End Limit: 50'	
		Inisnes. S-1: Exit enclosures, corridors, rooms and enclosed spaces required to have Class C		30.2.6.2 Max Travel Distance within unit (sprinkled): 125'	N [N
		finishes.		30.2.6.3.2 Max Travel Distance from unit door to exit (sprinkled): 200'	
		901.6.1 Automatic sprinkler system shall be monitored by a supervising station (NFPA 72)		30.3.4 Fire detection and alarm system shall comply with this section.30.3.4.5 Smoke alarms shall be installed:	
		901.6.2 Fire alarm system shall be monitored by a supervising station		In every sleeping area	×
		903.2.8 Sprinkler System is required for Group R		Outside every sleeping area	N B
		903.3.1.2 NFPA 13R is permitted up to and including 4 stories 905.3.1 Class III standpipe system shall be installed		At least one on each level	AW
		906.1 Fire extinguisher REQUIRED		30.3.5.2 Sprinkler system NFPA 13R permitted for four or fewer stories.	DR
		907.2.9.1 Manual pull station fire alarm system is required as building is four stories.		30.3.6.1.2 Corridor walls (sprinkled): ½ hour	
		907.2.11.2 Interconnected Smoke Alarms Required:		30.3.7.2 Dwelling unit separation (sprinkled): ½ hour	
		Outside each sleeping area and in each sleeping room		42.1.6 No minimum construction requirements	VTE
				42.2.4.1 Single means of egress allowed within common path of travel limit.	DA
				42.2.5 Dead End Corridor: 100'	SUE
				Common Path of Travel: 100'	ISS
				42.2.6 Maximum Travel Distance: 400'	
				42.2.3.2 Storage area walls and ceilings shall be Class A, Class V or Class C	