 Applicability. This sect after March 13, 1991. 	(ANSI A117.1 - Use the Fair Housing Guidelines) ion applies to multifamily housing accommodations constructed for first occupancy ubject to this section must meet the following standards.	310.1 311.2	e <u>tail Code Review</u> Use and Occupancy Residential Group R-2 Storage S-1
A. <u>Doors</u> designed to a sufficiently wide to	llow passage into and within all premises within those accommodations must be allow passage by a person in a wheelchair.	420.2	Fire Partitions Separa
C. Light switches, electr	a person in a wheelchair into and through the dwelling unit must exist. <u>ical outlets, thermostats</u> and other environmental controls must be in locations rson in a wheelchair.	420.3 503	Floor Assemblies Sep R-2 VA 12,000sf
	t have reinforcements to accommodate the installation of grab bars.	504.2	S-1 VA 14,000sf Where a building is e
	ertical measurement from grade, or the predevelopment grade on the islands, to	508.4	the maximum buildi stories is increased S-1 and R occupanc
the highest point of the ro Building Area Information	or beams in flat roots	601	Type VA - No fire-res
Building Footprint: Building Area:	1,824 SF 6,580 SF		Primary Structural Fra Exterior Bearing walls Interior Bearing walls Nonbearing Exterior
NFPA Code Overview Use: Construction:	New Residential Apartment Building No minimum requirement		Nonbearing Interior Floor Construction Roof Construction
Sprinkler: Occupancy:	NFPA 13R 30 Occupants	602	Separation distance
BC Code Overview			
Use: Construction: Sprinklor:	R-2, S-1 Type VA NFPA 13R		
Sprinkler: Occupancy:	$30 \text{ in } \mathbb{R}-2 + 5 \text{ in } \mathbb{S}-2 = 35 \text{ Occupants}$	704.2 704.3 704.4	Columns in basemen Dropped LVLs in bas Secondary member assemblies in wood
		705.2.2 705.5	Projections (includin When exterior walls a X<10' Rated for X>10' Rated fro
			Exterior wall opening Parapet not required Fire Barrier required
		708.1	Fire barriers: From T Fire Barrier supportin Shaft enclosures sha
		708.2 708.4 708.6	Shaft enclosure is re Shaft Enclosure: 2 h Exterior Walls: Exteri
		709.1 709.3	Fire partitions require Fire partitions shall b
		709.4	Fire partition continuce ceiling assembly (v
		712.3	Horizontal Assembly construction shall h equipped with an a
		712.4 713	Supporting construct All Rated vertical and penetrations shall b
		714	All Rated vertical and joints shall be treat
		715 715.4	All Rated vertical and openings shall be t Doors in 2-hour stair
		716	All Rated vertical and ducts and air transfer Ducts and air transfer
		717	with a listed ceiling Fire blocking and dr with this section.
		803.9	R-2: Exit enclosures
			finishes. S-1: Exit enclosures finishes.
		901.6.2 903.2.8	Automatic sprinkler Fire alarm system s Sprinkler System is
		905.3.1 906.1	2 NFPA 13R is perm Class III standpipe s Fire extinguisher RE 1Manual pull station
			1.2 Interconnected Outside each sleep

^v Classification: 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 rec R-2 (Apartments) accessible doors. 1^{1} 1004.1.1 Occupancy Load for Residential: 200 gross at 6,106 SF is 30 occupants Occupancy Load for Storage: 300 gross at 1,400 SF is 5 occupants rating Dwelling Units (709) 1005.3 Door swing shall not reduce the required egress width more than half eparating Dwelling Units (712) 1006.1 Stair must be illuminated at all times 1007.3 Sprinkler precludes need for wider stair or area of refuge 3 stories 50' tall 1008.1.1 Min Door size: 32" clear (36" door) 3 stories 50' tall 1008.1.5 Same floor elevation on either side of doors equipped throughout with an approved automatic sprinkler system, ding height is increased by 20 feet, and the maximum number of 1008.1.6Landing not less than width of door d by one. 1008.1.848" plus door swing between doors in succession cies shall be separated by 2-HR when sprinklered by NFPA 13R 1009.1 Min stair width 36" (for occ. less than 50) 1009.2 Min head clearance 80" (6'-8") sistance rating requirements for building elements 1009.4 7" rise max, and 11" run min 1hr rame 1009.5 Landing width no more than stair width 1hr 1009.6 Stair construction can be of any material permitted by construction type 1hr 1009.13 Stairway required to extend to roof in four-story building See table 602 1012.2 Handrails between 34"-38" Ohr 1012.6 Railing extensions must be 12" at top of stairs and 11" at bottom. 1hr 1013.2 Min Guard Height: 42" 1hr 1014.3 NFPA 101 Table A7.6 Sprinkled Apartments common Path Limit: 50' $5' \le X < 10'$ VA 1-hr exterior wall NW building side NFPA 101 30.2.5.3.2: "Travel within a dwelling unit shall not be included when detern (rated from both sides) common path of travel 1015.1 One exit is permitting from dwelling units at occupant load for individual units is under $10' \le X < 30'$ VA 1-hr (inside only) building is sprinkled 13R. VA No rating required X≥30 1015.2 Exception 2 - Where a building is equipped throughout with an automatic sprinkler s separation distance of the exit door shall not be less than one-hird the length of the ent shall be individually wrapped to provide 1hr rating overall diagonal of the area served. asement shall be individually wrapped to provide 1hr rating 1016.1 Exit Access travel Distance: 250' (for sprinkled 13R R-2) r in ceiling and walls may be protected as part of ceiling and wall 1018.2 Corridor Min Width: 36" (for occ under 50) od frame construction 1021.2 Three-story R-2 building is permitted to have one exit if under 4-units per floors, und ng balconies) may be of any material distance to exit, sprinkled 13R, and provided with emergency escape openings. are required to be rated: NOTE Section 30.2.4.4 of NFPA 101 2009 edition provides a clear regulatory path to having r exposure from both sides a 4-story building, and these are the requirements being met. om inside Basement S-1 can have one exit if 29 occupants and 100 feet travel distance gs limited by table 705.8 (see table on elevation sheets) 1022.1 2-hour exit enclosure required when connecting 4-stories d on any exterior walls Stairway from basement not enclosed. Under 10 occupants and not open to story all for shaft enclosure 1022.8 Floor identification signs shall comply with this section TOP of floor to bottom of decking above (cont. thru concealed) 1023.2 Min exit passageway width: 36" for less than 50 occupants ing construction shall have same rating 1023.3 Exits passageway min rating: 1-hr (or rating of connected enclosure if greater: 2-hr) nall be constructed of fire barriers and horizontal assemblies. Constructed of fire barriers and horizontal assemblies. equired stair 1029.1 Sleeping rooms below the fourth story shall have emergency escape and rescue op hour when connecting four or more stories 1029.2 Min area: 5.7SF rior walls shall comply with req. of Section 705 for exterior walls. 24" Min height: red to separate dwelling units 20" Min width: be not less than 1-hr 1029.3 Max height about floor: 44" uity: from TOP of floor to bottom of decking above or to bottom of 1100 Chapter does not apply in the State of Maine with fireblocking or draftstopping) r = Dwelling unit and sleeping unit separation in buildings of Type VA 1207 Sound transmission between dwelling units have a fire-resistance rating of not less than 1 hour in buildings Walls: STC-50 (45 field tested) automatic sprinkler system. Ceilings: IIC-50 (45 field tested) ction of horz. assembly between units is required to be rated in VA nd horizontal assemblies shall be complete assemblies in that any 2406.4 Safety Glazing: all swinging doors, fixed and sliding panels of sliding door assembli be treated as in accordance with this section. individual fixed or operable panel adjacent to a door where the nearest exposed ec nd horizontal assemblies shall be complete assemblies in that any glazing is within a 24 inch arc of either vertical edge of the door in a closed position ited as in accordance with this section. bottom exposed edge of the glazing is less than 60 inches above the walking surface nd horizontal assemblies shall be complete assemblies in that any exposed area of an individual pane greater than 9 square feet, and glazing w/ expo treated as in accordance with this section. edge less than 18 inches above floor. r shaft shall have a rating of 1-1/2 hour nd horizontal assemblies shall be complete assemblies in that any sfers shall be treated as in accordance with this section. fer openings penetrating a rated ceiling membrane must be installed radiation damper

raft-stopping shall be installed in concealed spaces in accordance

, corridors, rooms and enclosed spaces required to have Class C

, corridors, rooms and enclosed spaces required to have Class C

system shall be monitored by a supervising station (NFPA 72) shall be monitored by a supervising station

required for Group R

nitted up to and including 4 stories

system shall be installed

EQUIRED

fire alarm system is required as building is four stories.

I Smoke Alarms Required: ing area and in each sleeping room

	IECC							
aquirad to be	301.1 Cli	mate Zone 6A			E II			
equired to be	402.1.1 Ele	ement:	Required:	Provided:	rchitectur 35 168 architecture.com			
		enestration U-Factor Ceiling R-Value	0.35 max 49 min	0.17 71				
		Vood Frame R-Value	49 min 20 min	32.6	hit			
		loor R-Value	30 min	51	168 1168 1168			
		lab R-Value .ir Sealing will be tested or	10 min n-site using a b	10 Nover door test.	A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1			
	NFPA 10				Bild Portlar 041040 207.4(
	NFPA 106.2							
	NFPA 101			e) unit Class A Fire Extinguisher				
	3.3.32.5	New Building						
	6.1.8.1.5	Residential Occupancy	- Apartment Bi	uilding (Chapter 30)				
	6.1.13	6.1.13 Storage (Chapter 42)						
	6.1.14.4.1 6.1.14.4.3	Required Separation - 2 1 hour separation requir	•		ENSED ARCHITEC			
	6.2.2.3	Ordinary Hazard Conter	•	i bullang	S 3/13/16 EVAN A.			
ermining the					* CARROLL * No. 3687			
-	7.1.3.2.1 7.1.5.1	Stairs connecting four o Min headroom: 7'-6"	r more stories	shall have a minimum of 2 hour ra	ating A.C. Martin			
nder 20 and	7.1.6.3	Cross Slope limited to 1	:48					
system, the	7.2.1.2.3.2	Egress door min clear w						
he maximum	7.2.1.4 7.2.1.5	Door swing and force to Door locks, latches and	•					
	7.2.2.2.1.1	Max riser height: 7"						
adar EQ traval		Min Tread depth: 11"						
nder 50' travel	7.2.2.2.1.2	Min headroom: 6'-8" Min stair width: 36" (for	occupancy un	der 50)				
ing one (1) stair in	7.2.2.3.2.3	Min landing depth: stair		·				
	7.2.2.4.4.1 7.2.2.4.4.6	Handrail height: 36" Handrail shape: 1 ½" ci	reular orono oc	ction				
	7.2.2.4.4.0	Handrails shall return to			Ц			
above	7.2.2.4.4.10	Handrails shall extend 1		air and one tread length at bottom				
	7.2.2.4.5.2 7.2.2.4.5.3	Min guard height: 42"	low the page	an of a 4" ophore	גב			
r)	7.2.2.4.5.3	Open guards shall not a Stairway identification s	•					
	7.2.6.3	Stair discharge shall ha	ve a 2-hr fire re	sistance rating.	LAN NO.			
openings	7.2.12.1.1	Sprinkler precludes nee	d for area of re	efuge in stair.				
$\Delta 1$	〈7.3.1.2 〉	Occupancy Load Residential Apartment:	200	gross at 6,106SF is 30 occupar				
	{	Storage:	NA	··· ·				
	7.3.3.1 7.3.4	0.3 Occ. per in. for Stair Min Egress width: 36"	S					
	7.3.4 7.4.1.1	See 30.2.4.4 and 42.2.4	1					
	7.8	Egress Illumination shal			SI01			
	7.9 7.10	Emergency Lighting sha Marking for means of eq			EVI 03			
	7.10	Manning for mound of og						
olies, glazing in an	30.1.6	No minimum construction						
edge of the	30.2.1.1 30.2.4.4	Means of Egress shall c Single stair permitted fro						
ion and where the rface, glazing with		• 4 stories	00					
posed bottom		Less than 4 units/floorNo distance from unit d	oor to stair					
		 2-hr rated stair	001 10 Stall					
		Self-closing doors			Σ			
		No corridors1 hr rating between unit	°C		MM			
	30.2.5	Common Path Limit:		50'	REVISED S			
	30.2.5.4.2	Dead-End Limit:		50'				
	30.2.6.2 30.2.6.3.2	Max Travel Distance with Max Travel Distance from			S I			
	30.3.4			comply with this section.				
	30.3.4.5	Smoke alarms shall be i	installed:					
		In every sleeping area Outside every sleeping	area					
		At least one on each lev	vel					
	30.3.5.2 30.3.6.1.2	Sprinkler system NFPA	-	for four or fewer stories.	COC SHEET			
	30.3.6.1.2 30.3.7.2	Corridor walls (sprinkled Dwelling unit separation		hour				
	42.1.6 42.2.4.1	No minimum construction	•	s common path of travel limit.	ALE			
	42.2.4.1 42.2.5	Dead End Corridor: 100		common pair or navel IIIIII.	DA SC			
		Common Path of Travel	: 100'		sue teet is			
	42.2.6 42.2.3.2	Maximum Travel Distand		e Class A, Class V or Class C	SI m F			
	<u>+</u> ∠.∠.J.∠	oloraye area walis and	comiys shall C	\sim UIASS A, UIASS V UI UIASS U				

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