R-3 Net: Parking	Footprint:	ation 1,017 SF 3,008 SF 698 SF 4,012 SF	1006.1 M 1007.3 1008.1.1 1008.1.5 1008.1.6 1009.1
NFPA C Use:	ode Overviev	v New Residential Two-Family Dwelling / Storage (Enclosed Parking Structure)	1009.2
Constru Sprinkle Occupa	r:	No minimum requirement NFPA 13R 18 Occupants	1009.4
	le Overview		
Use: Constru		R-3 & U (Separated Occupancies) Type VB	1009.5
Sprinkle Occupa		NFPA 13R 16 Occupants	1009.6 1012.6 1013.2
<u>IBC - De</u> 310.1 312.1	Residential	<u>view</u> ccupancy Classification: Group R-3 (Buildings that do not contain more than two <i>dwelling unit</i> s) Visc. Group U (Private Garages)	
406.1.2 406.1.3 406.1.4	1.3 Surface of concrete or asphalt, Slope floor to drain or garage door		1014.3 1015.1
406.4.2 420.2 420.3	Fire Partitic	l Ventilation to be provided as determined by Mechanical Engineer. Ins Separating Dwelling Units (709) mblies Separating Dwelling Units (712)	1016.1 1021.2 1022.1
503	R-3 VB	unlimited sf 3 stories 40' tall	1023.2 1023.3
504.2		uilding is equipped throughout with an approved automatic sprinkler system, the building height is increased by 20 feet, and the maximum number of stories is by one.	1029.1 1029.2
601 602	Type VB - I Separation		
		$5' \le X < 10'$ 1 hour exterior wall rating required $10' \le X < 30'$ No rating required	1029.3
705.2.2		may be of any material	1100
705.5	X<10'	rior walls are required to be rated: Rated for exposure from both sides	1207
705.8	Separation	distance <u>3'<x<5'< u=""><u>Sprinkled</u><u>15% openings allowed</u> 5'<x<10'<u>Sprinkled</x<10'<u></x<5'<></u> <u>No Limit for R-3</u>	2406.4
			2406.4
	Fire Barrier	s: From TOP of floor to bottom of decking above (cont. thru concealed) supporting construction shall have same rating sure is not required for openings totally within an individual residential <i>dwelling unit</i> and es or less.	
709.1 709.3	Dwelling ur	ns required to separate dwelling units hits and sleeping unit separation in buildings of Type VB construction shall have a ance rating of not less than ½ hour in buildings equipped with an automatic sprinkler	
709.4 712.3	Fire partitic assembly Dwelling ur	n continuity: from TOP of floor to bottom of decking above or to bottom of ceiling (with fireblocking or draftstopping) hit and sleeping unit separation in buildings of Type VB construction shall have a ance rating of not less than ½ hour in buildings equipped with an automatic sprinkler	
712.4	system. Supporting	construction of horz assembly between units not required to be rated in VB	
713 714	penetratic All Rated v	ertical and horizontal assemblies shall be complete assemblies in that any ons shall be treated as in accordance with this section. ertical and horizontal assemblies shall be complete assemblies in that any joints shall	
715	All Rated v	as in accordance with this section. ertical and horizontal assemblies shall be complete assemblies in that any openings	
716		eated as in accordance with this section. ertical and horizontal assemblies shall be complete assemblies in that any ducts and	
716.6.2		ers shall be treated as in accordance with this section. air transfer openings penetrating a rated ceiling membrane must be installed with a	
717		ng radiation damper ng and draft-stopping shall be installed in concealed spaces in accordance with this	
803.9	R-3: Exit er	nclosures, corridors, rooms and enclosed spaces required to have Class C finishes.	
	Fire alarm :	sprinkler system shall be monitored by a supervising station (NFPA 72) system shall be monitored by a supervising station ystem is required for Group R	
	parking ga	enclosed parking garages. An automatic sprinkler system is not required for enclosed rages located beneath Group R-3 is permitted (with VB construction)	
905.3.1 906.1 907.2.1	No fire exti 1.2 Smok	system not required in Group R-3 nguisher required e Alarms Required: ch sleeping area and in each sleeping room	
	-	ceiling height: 7'-6"	
1003.2 1003.5	exception accessibl	1: A single step (under 7") allowed at exterior doors in R-3 that are not required to be	

6.1 M	eans of egress must be illu	uminated at all times					
	-	for wider stair or area of refuge					
3.1.1	Min Egress Door size: 32"	' clear (36" door)					
	Same floor elevation on eit						
3.1.6	Landing in direction of trav	vel not less than 36"					
	Min stair width 36" (for occ						
	Min head clearance 80" (6	·					
		he nosings of treads at the side of a <i>flight</i> extend under the edge of a floor opening					
	•	sses, the floor opening shall be allowed to project horizontally into the required					
	headroom a maximum of 4						
9.4	7" rise max, and 11" run m						
		ximum riser height shall be 7 3/4 inches; the minimum tread depth shall be 10					
	•	der tread depth at the walkline shall be 10 inches; and the minimum winder tread					
		nosing not less than 3/4 inch but not more than 1 1/4 inches shall be provided on					
	•	where the tread depth is less than 11 inches.					
9.5	Landing width no more that	·					
9.6	Stair construction can be o	of any material permitted by construction type					
	Railing extensions must be 12" at top of stairs and 11" at bottom.						
3.2	Min Guard Height:						
	1. For occupancies in G	Group R-3, guards on the open sides of stairs shall have a height not less than 34					
	inches measured vertically	y from a line connecting the leading edges of the treads.					
	2. For occupancies in G	Group R-3, where the top of the <i>guard</i> also serves as a <i>handrail</i> on the open sides					
	of stairs, the top of the gua	ard shall not be less than 34 inches and not more than 38 inches measured					
	vertically from a line conne	ecting the leading edges of the treads.					
1.3	NFPA 101 Table A7.6 - No						
5.1	One exit is permitting from	n dwelling units at occupant load for individual units is under 20 and building is					
	sprinkled 13R.						
6.1	Exit Access travel Distance						
.2	0 ,	shall be required from Group R-3 occupancy buildings.					
2.1 Stairways serving and contained within a single residential dwelling unit or sleeping unit in Group R-3							
	occupancies are not requi						
3.2		h: 36" for less than 50 occupants					
3.3		ing: 1-hr (or rating of connected enclosure if greater)					
		s and horizontal assemblies.					
9.1		e fourth story shall have emergency escape and rescue openings					
9.2	Min area:	5.7SF					
	Min height:	24"					
	Min width:	20"					
9.3	Max height about floor:	44"					
h	Chapter does not apply in	the State of Maine					
,	Chapter does not apply in						

Sound transmission between dwelling units Walls: STC-50 (45 field tested) Ceilings: IIC-50 (45 field tested)

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.

	Climate Zone 6A Element: Fenestration U-Factor Ceiling R-Value Wood Frame R-Value Floor R-Value Slab R-Value	Required: 0.35 max 49 min 20 min 30 min 10 min	0.17 71 32.6 51 14					
402.4.2.1 Air Sealing will be tested on-site using a blower door test.								
NFPA 10								
3.3.32.5 3.3.178.	8							
 6.1.8.1.1 Residential Occupancy -Two-Family Dwelling Unit (Chapter 6.1.13.1 Storage - Enclosed Parking Structure (Chapter 42) 6.2.2.3 Ordinary Hazard Contents 6.1.14.4.3 1 hour separation required in sprinkled building 								
24.1.2.3 24.1.6	24.1.2.3 Multiple dwelling units permitted over nonresidential occupar24.1.6 No minimum construction requirements							
	24.2.2.1 A secondary means of escape is not required with automatic 24.2.4.1 Doors in path of travel: 28" min.							
24.2.5.4	24.2.5.4 Clear width of stairs, landings, and porches: 36" min.							
24.2.0.1	24.2.6.1 Width of Hallways: 36" min.24.3.1 Protection of vertical openings not required							
	24.3.4.1 Smoke alarms shall be provided in all sleeping rooms, outsic each level of the dwelling unit							
24.3.4.2	Dwelling units shall be protected	with approved	smoke detec					
24.3.5.1	NFPA 13R sprinkler system is rec	quired						
42.1.6	No minimum construction require	ements						
42.2.4.1 42.2.5	Single means of egress allowed Dead End Corridor: 100'	within commor	n path of trave					
	Common Path of Travel: 100'							

42.2.6 Maximum Travel Distance: 400'

IECC

er 24)

ancy with automatic sprinkler system.

tic sprinkler system

side of each sleeping area, and on

ection system

avel limit.

