



# NFPA Code Summary

## Building Area Information

Building Footprint:	1,676 SF
R-2 Net:	6,021 SF
Parking Net:	816 SF
Building Gross:	7,698 SF

## NFPA Code Overview

Use:	New Residential Apartment Building, Storage
Construction:	No minimum requirement
Sprinkler:	NFPA 13R (Supervised to meet standards set forth in Chapter 10 Article VIII of the City of Portland)
Occupancy:	32 Occupants

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### NFPA 10

NFPA 10 6.2.1.1 Each floor shall have a single (2) unit Class A Fire Extinguisher

### NFPA 101

3.3.32.5	New Building
6.1.8.1.5	Residential Occupancy – Apartment Building (Chapter 30)
6.1.13	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
6.2.2.3	Ordinary Hazard Contents
7.1.3.2.1	Stairs connecting four or more stories shall have a minimum of 2 hour rating
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"
7.2.1.4	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"
7.2.2.2.1.2	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.
7.2.6.3	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**

<b>Residential Apartment:</b>	200 gross at 7,164sf is	<u>32 occupants</u>
<b>Storage</b>	NA	NA
<b>Total Occupant Load:</b>		32 occupants
  
- 7.3.4 Min Egress width: 36"
- 7.4.1.1 See 30.2.4.4
- 7.8 Egress Illumination shall be in accordance with this section.
- 7.9 Emergency Lighting shall be in accordance with this section.
- 7.10 Marking for means of egress shall comply with this section.
  
- 30.1.6 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 3 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: 50'
- 30.2.6.2 Max Travel Distance within unit (sprinkled): 125'
- 30.2.6.3.2 Max Travel Distance from unit door to exit (sprinkled): 200'
- 30.3.4 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
- 30.3.5.2 Sprinkler system NFPA 13R permitted for four or fewer stories.
- 30.3.6.1.2 Corridor walls (sprinkled): ½ hour
- 30.3.7.2 Dwelling unit separation (sprinkled): ½ hour
- 42.1.6 No minimum construction requirements
- 42.2.4.1 Single means of egress allowed within common path of travel limit.
- 42.2.5 Dead End Corridor: 100'  
Common Path of Travel: 100'
- 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