

**Section 31.2.6.1** - Travel distance within a dwelling unit to the corridor (or exit) door shall not exceed 125 feet for Option 4.

**Section 31.2.6.3** - There are no exterior way of exit access in this project.

**Section 31.2.6.4** - The travel distance from areas not within a dwelling unit, to an exit shall not exceed 200 feet (or 250 feet with a sprinkler system).

**Section 31.2.8** - Means of egress shall be illuminated per Section 7.8

**Section 31.2.9** - Emergency lighting shall be provided per Section 7.9.

**Section 31.2.10** - Means of egress shall have signage per Section 7.10.

**Section 31.3.3.2** - Interior wall and ceiling finishes for exits, lobbies, and corridors shall be Class A or B. Finishes for other spaces shall be Class A, B, or C.

**Section 31.3.3.3** - Floor finishes shall not be less than Class II (unless a sprinkler system is provided).

**Section 31.3.4.1.1** - A fire alarm system per Section 9.6 shall be provided.

**Section 31.3.4.2.1** - The fire alarm system shall have manual initiation per Section 9.6.2

**Section 31.3.4.2.5** - Due to the use of Option 4 (see Section 31.1.1.1) the fire alarm system shall also be initiated upon operation of the automatic fire sprinkler system.

**Section 31.3.4.3.1** - The fire alarm system shall have automatic occupant notification per Section 9.6 and: visible signals shall be installed in units designed for the hearing impaired; positive alarm sequence per Section 9.6.3.4 shall be permitted; and existing approved presignal systems shall be permitted per Section 9.6.3.3.

**Section 31.3.4.3.3** - An annunciator panel (location approved by the AHJ), shall be provided and connected to the fire alarm system.

**Section 31.3.4.3.5** - Fire department notification shall be accomplished per Section 9.6.4.

**Section 31.3.4.4.2** - Automatic fire detection devices shall be installed as follows:

- (1) Smoke detectors shall be installed in all common areas and work spaces outside of the dwelling unit, such as stairs, egress corridors, lobbies, storage rooms ect...
- (2) Heat detectors shall be located within each room of the living unit.

**Section 31.3.4.5.1** - Unless an existing, complete automatic smoke detection system is installed throughout the building, smoke alarms shall be installed per Section 9.6.2.10, outside every sleeping room, on all levels of the dwelling units. *Note:* The smoke alarms are not required to be provided with secondary (standby) power per Section 31.3.4.5.2.

**Section 31.3.4.5.3** - Unless an existing, complete automatic smoke detection system is installed throughout the building, or a complete, supervised automatic sprinkler system (per Section 31.3.5) is installed throughout the building, smoke alarms shall be located in every sleeping room per 9.2.6.10. *Note:* These smoke detectors may be battery powered per 31.3.4.5.4.

**Section 31.3.4.6** - Smoke detection shall be provided at each fire alarm control unit (even if a sprinkler system is installed).

**Section 31.3.5.4** - Where an automatic sprinkler system is installed, it shall be per Section 9.7. Because this structure is 4 stories, an NFPA 13R system shall be permitted. Per Section 31.3.5.4, sprinklers are not required in closets smaller than 24 s.f., or in bathrooms smaller than 55 s.f. If a closet contains washers, dryers, furnaces, or water heaters, the closet must be sprinkled.

**Section 31.3.5.10** - Supervision of the sprinkler system per Section 9.7 is not required (building is not 7 or more stories).

**Section 31.3.5.13** - Portable fire extinguishers are not required due to the sprinkler system.

**Section 31.3.6.1** - Exit access corridor walls shall consist of fire barriers per Section 8.3 with a minimum of ½-hour fire rating.

**Section 31.3.6.2.2** - When utilizing Option 4 (Section 31.1.1.1) doors opening into exit access corridors shall resist the passage of smoke only. The 20-min rating per 31.3.6.2.1 is not required.

**Section 31.3.6.3.2** - Spaces shall be permitted to be open to the exit access corridor provided they do not contain guest rooms or hazardous areas, that they are sprinkled, and the space does not obstruct access to the exit.

**Section 31.3.6.4** - Transoms, louvers, or grilles shall not be in walls or doors of exit access corridors.

**Section 31.3.7.1** - Smoke partitions in exit access corridors as outlined in Section 31.3.7, are not required due to utilizing Option 4 (per Section 31.1.1.1).

**Section 31.5.1** - Utilities shall comply with Section 9.1 of this code.

**Section 31.5.2** - Heating, ventilating, and air-conditioning equipment shall comply with Section 9.2 of this code.

**Section 31.5.3** - There are no elevators, escalators, or conveyors associated with this project.

**Section 31.5.4** - There are no rubbish chutes, incinerators or laundry chutes associated with this project.

**Section 31.7.1** - Emergency instructions shall be provided annually to each dwelling unit to indicate the location of alarms, egress paths, and action to be taken, both in response to a fire in the dwelling unit and in response to the sounding of the alarm system.

**Section 31.7.2.1** - Contents and furnishings are not required to comply with Section 10.3 for fire-resistance.

**Section 31.7.2.2** - Furnishings and decorations of an explosive or highly flammable character shall not be used outside of dwelling units.

**Section 31.7.2.3** - Fire-retardant coatings shall be maintained to retain their effectiveness.

**Code Review - Chapter 10, City of Portland, Code of Ordinances**

**Section 6-110** - (c) Sleeping space. Every room occupied for sleeping purposes in a dwelling unit and in a rooming unit shall contain at least fifty (50) square feet of habitable floor area for each occupant, except that children under one (1) shall not be counted and children more than one (1) but less than ten (10) shall be deemed one-half person.

(d) Size of habitable rooms. No habitable room, other than a kitchen or dining alcove, shall contain less than sixty-five (65) square feet of floor area, nor shall the least horizontal dimension of such room be less than seven (7) feet.

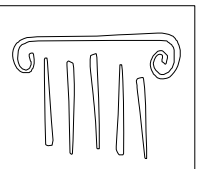
**Section 10-3(i)** - All new single and multiple station smoke alarm installations shall comply with Section 9.6.2.10 of NFPA 101. New detectors shall not use ionization detection technology.

**Section 10-3(p)** - Existing buildings shall comply with the AHJ's Standards for Building, Stair, Floor, Suite, and Room designation systems.

**Section 10-18(h)** - All structures with a life safety signaling system or a fire suppression system shall be provided with a Knox box. The number, make, model, and location of the box shall be determined by the AHJ. All keys required to operate the life safety signaling system or the fire suppression system, and building keys shall be placed within the box

**Section 14-332 (a-4)** - (Parking) for Residential development in the B-2, B-2b, B-2c zones:

- a. One (1) parking space per unit



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REVISIONS		
#	DATE	DESCRIPTION
-	-	-

Date Issued MAY 21, 2014  
Project Number 13118  
Drawing Scale

SHEET NAME  
**CODE REVIEW**

Drawn By JAP  
Checked By LAS  
**T1.2**