

# ◆ BOLES RESIDENCE ◆

## REHABILITATION AND RECONSTRUCTION

### PORTLAND, MAINE

12-15-2006

#### CODE ANALYSIS

##### NFPA 101 LIFE SAFETY CODE - 2006 Edition

Building Occupancy Classification: Residential- Apartment  
(4938 sf proposed, Max. 1320 sf/floor)

Construction Type: New Type V (000) (T. 3-1 NFPA 220)

Hazard Classification: Ordinary Hazard (Sec. 31.1.5)

Occupant Loads: Residential Apartment @ 200 sf/occ = 21 (7 per floor) (T. 7.3.1.2)

Separation of Dwelling Unit Rating: 1 hour

Max. Allowable Travel Distance: 200' for exit access

Max. Common Travel Path Length: 50ft (Sec. 31.2.5.3.2)

Max. Dead End Corridor Length: 50'

Minimum Exit Access Width: 28" (Sec. 7.3.1.2)

Minimum Number of Required Exits: 2 (Sec. 31.2.4)

Minimum Exit Access Corridor rating: 1/2 hr (Sec. 30.3.6.1.2)

Separation of exits: (NA)

Minimum Egress Door Width: 36"

Exit Lighting: Required (Sec. 7.8.1.1)

Emergency Lighting: Required (Stairwells and exit corridors only) (Sec. 7.9.1.1)

Fire Alarm System: Not Required (Sec. 30.3.4.1.3)

Fire Sprinkler System: Required (NFPA 13R system) (Sec. 30.3.5.1)

Fire Detection System: Required (Sec. 30.3.4.5.1)

Portable Fire Extinguishers: Not Required (Sec. 30.3.5.13)

Existing Stairways: Allowed to remain in accordance with T. 7.2.2.2.1.1(b)

##### IBC - 2003 Edition

Building Occupancy Classification: R-2

Construction Type: Type VB, combustible, sprinkled (NFPA 13R SYSTEM)

Occupant Loads: Residential @ 200 sf/occ = 21 (7 per dwelling unit)

Separation of Dwelling Unit Rating: 1 hour

Exterior Load bearing walls: 0 hour (Sprinkled) (T. 601)

Interior Load bearing walls: 0 hour (Sprinkled) (T. 601)

Exterior walls >/= 10ft but <= 30 ft from adjacent structures: 0 hour (T. 602)

Max. building height: 3 story / 60ft (Increased in accordance with Sec. 504.2)

Max. building area per floor: 7000 sf

Max. Allowable Travel Distance: 250' for exit access (T. 1015.1)

Max. common travel path: 75' (Sec. 1013.3)

Max. Dead End Corridor Length: 20' (Sec. 1016.3)

Minimum Egress Corridor Width: 36" (Sec. 1016.2) Where Occupancy <= 50

Minimum Number of Required Exits: 2

Minimum Exit Access Corridor rating: 1/2 hr (T. 1016.1)

Minimum ceiling height: 7'-0"

Minimum Egress Door Width: 36"

Exit Signage: Not Required (Sec. 1011.1 Exm. 3)

Exit Lighting: Required (Stairwells only - Sec. 1006.1)

Emergency Lighting: Required (Exit access corridors and stairwells only - Sec. 1006.3)

Fire Alarm System: Not Required (Sec. 907.2.9 Exm 3)

Fire Sprinkler System: Required (NFPA 13R System)

Fire detection system: Required (In accordance with NFPA 72 - Sec. 907.2.10.1.2)

Portable Fire Extinguishers: Required (Sec. 906.1)

Existing Stairways: Allowed to remain in accordance with Sec. 3403.4)

#### ASSEMBLED FOR:

ELIAS BOLES

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#### ISSUED FOR PERMITTING

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