## NFPA 101 Life Safety Code - 2012 Edition(\*) Denotes if fully Sprinkled/Alarmed

Building Classification:

Existina Business & Mercantile Total First Floor Area (Mercantile) = 9,604 sf

Hazard Classification: Construction Type:

Occupant Loads:

Handrail height:

Handrail diameter:

Handrail top extension:

Handrail bottom extension:

Total Second thru Fifth Floor Area (Business) = 38,416 sf Building Total Floor Area = 48,020 sf

Ordinary Hazard Type III (000) SF Mercantile @ 30 sf/occupant = 320 occupants SF Business @ 100 sf/occupant = 385 occupants Total Building Occupant Load = 705 occupants

6'-8" at stairs; 7'-6" at occupied areas

Separation of Use Rating: 2 hour (1 Hour) Janitor, Mech, Stor Rating: hour 2 hour (1 Hour) Stair Rating:

44" clear; 36" if less than 50 occupants Minimum Stair width:

Maximum Riser height: Minimum Tread width: Minimum Headroom: Maximum ht between landings:

12'-0" 34"-38" @ 42" quardrail 12" horz. 11" angled +12" horz. I-1/4" O.D.

Less than 4" Maximum balluster open space:

Building Uses
"(x)" denotes if building is fully sprinkled Mercantile

Max. Allowable Travel Distance: Max. Allowable Common Path: Max. Dead End Corridor Length: Minimum Egress Corridor Width: Minimum Number of Required Exits

200' (300') 150' (250') 75' (100') 75' (100') 20' (50') 20' (50') 44"/36" if >50 occ. 44"/36" if >50 occ 2 (1 if less than 100 Occupants 2 (same as Business) and less than 100' travel Distance to egress floor level exit)

Minimum Horz Egress Enclosure rating: Minimum Separation of exits: Fire Escapes as means of egress: Minimum Egress Door Width:

I hr (none) 0.5 diagonal' (0.33) Allowed (NA) 36"

Business

Exit Lighting: Required Required Emergency Lighting: Required Required Fire Alarm System: Required Required Not Required Required Fire Sprinkler System: Portable Fire Extinguishers: Required Required Exit Devices/Panic Hardware Required Required

I hr (none)

Allowed (NA)

Same as Business

NFPA | # PFD Technical Standards City of Portland Compliance:

## 2009 International Building Code "(x)" denotes if building is fully sprinkled

Use Group Classification:

Construction: Occupant Loads:

Maximum Height:

Maximum Area / Floor:

Existing Mercantile - Use Group M Existing Business - Use Group B Type III - Combustible/Non-Combustible, Unprotected B@ 100 sf/occupant = 385 occupants M @ 30 sf/occupant = 320 occupants Total Building Occupant Load = 705 occupants 2 hour (I Hour)

Area Use Separation Ratings: Janitor, Mech & Storage Rooms: Building Limitations
Construction Type:

IIIB Unprotected 2 story /55' @ M (+ I story /20') 3 story/55' @ B (+ I story /20') 12,500 sf @ M (+25,000 sf) 19,000 sf @ B (+38,000 sf)

SF \$ 5 Stories (Existing)

Actual Area/Height:

Fire Resistance Ratings Load Bearing Exterior Walls: 2 hours 2 hours (I hour) Fire Separation Exits (Stairs) Fire Separation of Uses: 2 hours (I hour) 2 hours Exit Corridors: I hour (none)

2 per occupancy type (1 if less than 30 occupants and 75' travel distance to exit from 2nd floor to exterior) 201/50' at system furniture under 6' high

Maximum Dead End Corridor Length: Maximum Common Travel Path: Maximum Travel Distance: Minimum Corridor Width: Minimum Stair Width: Maximum Riser Height: Minimum Tread Depth:

Minimum Number of Exits:

Minimum Ramp Width:

Maximum Ramp Pitch:

Handrails:

200' (300') @ B / 200' (250') @ M 44"/36" if >50 occupants 44"/36" if > 50 occupants 95 44"/36" if > 50 occupants

Same as NFPA 101

75' (100')

1:12

7'-6" Minimum Ceiling Height: Fire Alarm System: Required Required Fire Sprinkler System: Portable Fire Extinguishers: Required Required Exit Lighting Required Emergency Lighting

Building Live Loads Office:

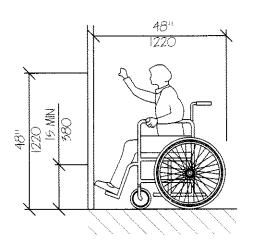
50 psf 100 psf Lobbies: 80 psf Corridors:

125 psf @ light; 250 psf @ heavy Storage:

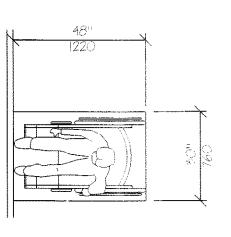
MUBEC (Maine Uniform Building Energy Code) MINIMUM INSULATION VALUES Per 2009 IECC; Table 502.1.2, 502.2(1) and 502.3

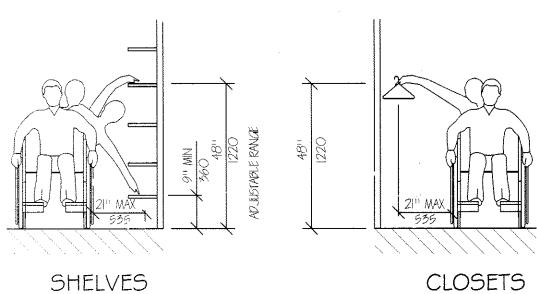
U-FACTOR SHGC R-VALUE 0.054 18.5 Exterior wall 0.35 2.9 NR Windows

End of Analysis

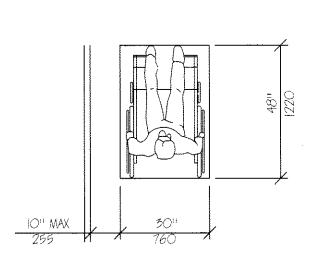


NTS



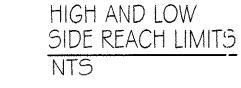


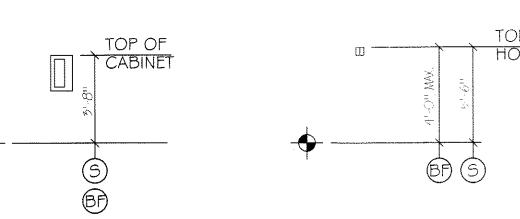
STORAGE SHELVES AND CLOSETS NTS



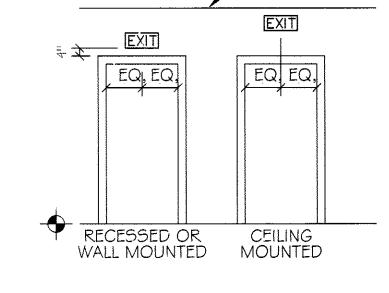
HIGH FORWARD REACH LIMIT





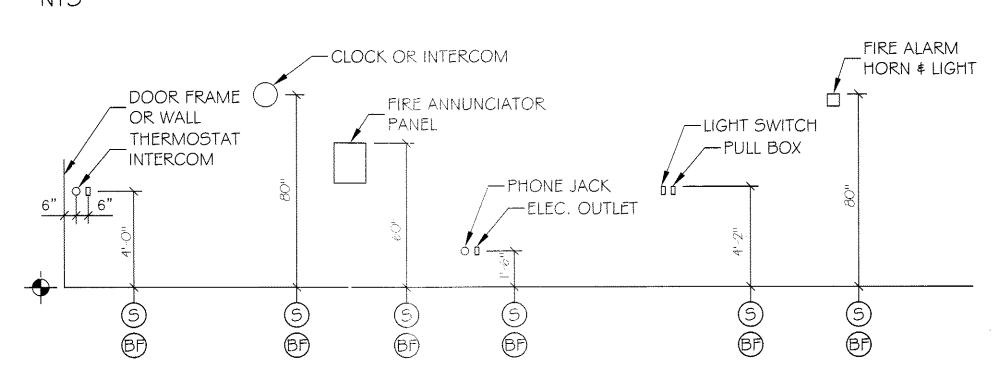






-CEILING

EXIT SIGNS TYPICAL UNLESS OTHERWISE NOTED



ELECTRICAL & FIRE PROTECTION DEVICES TYPICAL UNLESS NOTED OTHERWISE

## LEGEND

STANDARD MOUNTING HEIGHT

BARRIER FREE ADULT MOUNTING HEIGHT

- FINISH FLOOR LINE

NOTE

MOUNT ALL FIXTURES AT STANDARD MOUNTING HEIGHT UNLESS INDICATED ON PLAN BY A SYMBOL AT ANY ROOM SHALL INCLUDE ONE OF ANY FIXTURE AND ACCESSORY WITHIN THE ROOM.

## ACCESSIBILITY GENERAL NOTES

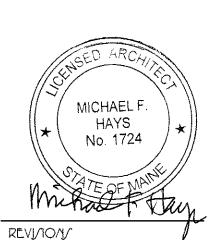
- . DOORWAYS SHALL HAVE A MINIMUM CLEAR WIDTH OF 32" WITH THE DOOR OPEN 90 DEGREES. MEASURED BETWEEN THE FACE OF THE DOOR AND THE OPPOSITE STOP.
- 2. ALL DOORS SHALL HAVE LEVER HANDLE HARDWARE, EXCEPT AT SECURED STORAGE ROOMS, MECHANICAL ROOMS, AND UTILITY ROOMS.
- 3. ALL CLOSERS SHALL BE 5LB PULL MAXIMUM AT DOORS EQUIPPED WITH LEVER HANDLE HARDWARE.
- 4. ALL DOORS WITH CLOSERS SHALL HAVE 18" CLEAR DISTANCE FROM THE LATCHSIDE OF THE OPENING TO ANY ADJACENT WALL OR OBSTRUCTION ON THE PULL SIDE OF THE OPENING.
- 5. ALL DOORS WITH CLOSERS SHALL HAVE 12" CLEAR DISTANCE FROM THE LATCHSIDE OF THE OPENING TO ANY ADJACENT WALL OR OBSTRUCTION ON THE PUSH SIDE OF THE OPENING.
- 6. ALL SIGNAGE SHALL BE MOUNTED 60" AFF TO BRAILLE COMPONENT AT LATCH-SIDE WALL OF DOORS AND OPENINGS.

7. COMPLY WITH 2010 EDITION OF THE AMERICANS WITH DISABILITIES ACT.

GRANT HAY ASSOCIATES

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