City of Portland, Maine Code of Ordinances

1999 NFPA 70 - National Electrical Code w/Portland Amendments (Sec. 6-32) 1993 BOCA National Mechanical Code w/Portland Amendments (Sec. 6-86) 2009 NFPA 101 - Life Safety Code w/Portland Amendments (Sec. 10-1) http://www.portlandmaine.gov/131/City-Code

Maine Uniform Building and Energy Code (MUBEC)

2009 International Building Code (IBC) 2009 International Existing Building Code (IEBC)

2009 International Energy Conservation Code (IECC) 2009 Uniform Plumbing Code

Egress Width per Occupant 1005.1

1028.8

1018.2

1018.4

Common Path of Travel

Travel Distance

Corridor Width

Dead End Corridors

.3" per person Stairways

2" per Person Horizontal

32" Minimum Clear Width

30 Feet in Assembly

Table 1016.1 / 250 Feet with Sprinkler System

75 feet with Sprinkler System /

44" min when occupancy > 50

20 Feet with Sprinkler System

2007 ASHRAE 62.1 - Ventilation for Acceptable Indoor Air Quality

2009 NFPA 1 - Fire Code w/Portland Amendments (Sec. 10-16)

2007 ASHRAE 90.1 - Energy Standard for Buildings except Low Rise Residential Buildings w/out addenda

CODE REVIEW SUMMARY:

BSJEDATE 08/13/13

	ITEM	CITY OF PORTL	AND, MAINE CODE OF ORDINANCES			
		SECTION	REQUIREMENT	PROPOSED COM	PLIANCE	
	Zoning		Zone B3 - Downtown Business			
			Historic Disctric			
			PAD overlay zone	Part of the zone	isted at: Free Street, north side, from Congress	Square to Temple Street
						· · · · · ·
	Minimum Lot Size	14-220.A	None			
	Minimum Street Frontage	14-220.b	15 Feet			
	Street wall build-to line	14-220.c	structures must be located within 5 feet of			
			the property line along street frontages			
	Minimum Yard Dimension	14-220.d	None			
	Minimum lot Width	14-220.e	none			
	Maximum length of undifferentiated black wall along a public street	14-220f	15 feet - PAD overlay Zone 30' - All other zones			
	Maximum Lot Coverage Minimum Building Height	14-220.g 14-220.h	100% 35 feet minimum within 50 feet of street	Exception 4 allov	vs for lower buildings as part of an addition	
	Maximum Building Height	14-220.i (and Downtown Height Overlay Map)	frontage 150 feet maximum plus 40 feet additional height for building cap 90 feet maximum street wall height			
ODE RI	EVIEW BY SECTION: IBC vs. NFPA	A 101				
EM#	ITEM	MUBEC / 2009	IBC	2009 NFPA 101 -	Life Safety Code	
		SECTION	REQUIREMENT	SECTION	REQUIREMENT	PROPOSED COMPLIANCE
0	USE AND OCCUPANCY					
	Primary Use	303	Assembly Group A-1 and A-2	Chapter 12 + 13	Assembly Occupancy	
	Hazard Classification			12.1.5	Ordinary Hazard Content	
-	State Control of the	Street Street Street				
0			EIGHT AND AREA LIMITATIONS	I-	I=	I
	Construction Type	Table 503 and 506.3	Type VB	Table A.8.2.1.2	Type V (000)	Construction Type to be TypeVB / Type V (200) due to existing structural elements in existing building, though effectively all new construction is non-combustable typ IIB / II(000)
	Area Limitation	Table 503 and 506.3	5,500 SF per Story w/ Sprinkler increase (Is=2) and Frontage increase (If = .29) up to 18,095 SF per Story			Basement Area = 9,984 SF (IBC) / 9,886 SF (NFPA) First Floor Area = 10,743 SF (IBC) / 10,642 (NFPA) Balcony = 3,732 (IBC) / 3,732 (NFPA)
	Story Limitation	Table 503 and	1 Stories w/ Sprinkler increase up to 2	12.1.6 / 4.6.3	1 story below grade and 2 stories above grade	Building to be 2 stories above grade and 1 story below
	Story Elimitation	504.1	stories above grade.	12.1.0 / 4.0.3	allowed, with 300 occupant max in upper level	grade. Balcony level occupand load to be limited to 30 occupants.
					Interstitial space shall not be considered a separate story	
	Story Limitation -	505.1 /	Mezzanines shall not contribute to	4.6.3.3 / 4.6.3.4		Mezzanine = 1,252 SF, Level below = 4,200 SF
	Mezzanine/Interstitial Space	505.4.1	building area or number of stories. Floor area shall not exceed 1/3 or floor below. Mezzanine may be enlosed if occupand load < 10		counted as a sotry	Occupant Load = 5 Area under balcony seating tier qualifies as a Mezzanine/Interstitial Mechanical Space and does not count towards the buildings area or number of stories
	Height Limitation	Table 503 and 504.1	40 Feet w/ Sprinkler increase up to 60 Feet			Building to be 45' Above Average Grade Plane and 49'- 10"at Highest Portion (plus mechanical equipment)
.0	BUILDING SEPARATION & EXP	OSURE PROTECT	TION	•		
	Exterior Walls: Load Bearing &		Distance 5 ≤ X ≤ 10-feet = 1 Hour	NFPA 220, Table		1hr Wall required adjacent to parking structure
	Non-load Bearing	602	Distance X ≥ 30-feet = 0 Hour	4.1.1		
	Exterior Openings	Table 705.8	Unprotected, Sprinklers, > 30-feet = Not Required Unprotected, Sprinklers, 5' - 10' = 25%			Exterior Openings - No Limit on Center and Free Street, 25% ajacent to parking garage
.0	FIRE RESISTANCE RATING REQ	UIREMENTS FOR				I
	Primary Structural Frames	Table 601	0 hr	Table A.8.2.1.2	0 hr	1hr structure at beams supporting stair 151. See Code
	Every Brown Providence of the Control of the Contro	Tablesco	lo bu	Table A Comm	lo hu	sheets and stair details
	Exterior Bearing Wall	Table 601	0 hr	Table A.8.2.1.2	0 hr	
	Interior Bearing Wall	Table 601	0 hr	Table A.8.2.1.2	0 hr	Thr adjacent to parking garage less seeting 2.2
	Non-bearing Exterior Walls	Table 601	0 hr	Table A.8.2.1.2	0 hr	1hr adjacent to parking garage, see section 3.0
	Non-bearing Interior Walls	Table 601	0 hr	Table A.8.2.1.2	0 hr	
	Floor Construction and	Table 601	0 hr	Table A.8.2.1.2	0 hr	
	Secondary Members Roof Construction and	Table 601	0 hr	Table A.8.2.1.2	0 hr	
	Secondary Members	Table 601	0 111	Table A.S.2.1.2	0 111	
ס	FIRE AND SMOKE PROTECTION	ACCUS COMPONENCIA CONTRACTOR AND ACCUS	Controller or stem as a second	42254 /	Conintless	Automotic Creinling grounded
	Automatic Sprinkler Systems	903.2.1	Sprinkler system required for group A-1/A- 2 Occupancy	12.3.5.1 / 12.3.5.2	Sprinklers required	Automatic Sprinkler provided
	Smoke Evacuation			12.4.5.5	Required at 'regular' stages with an area greater then 1,000 SF	Stage is 860 SF and as such smoke Evacuation is not required and will not be provided. Smoke evacuation is not required to reduce any egress path widths
	Corridor Construction	1018.1	No fire/smoke rating required with Sprinkler System	12.3.6	No fire/smoke rating required with Sprinkler System	Corridor protection not provided
	CONTROL CONSCIDENCE		1 Hour connecting 3 stories or less	7.1.3.2	1 Hour connecting 3 stories or less	1hr rating at stairs
	Exit Enclosure	1022.1	Ollows some sting 4 -t	1	2 Hours connecting 4 stories or more]
		1022.1	2 Hours connecting 4 stories or more	8.6.6	Communicating Spaces shall be permitted if all requirements are met	provided as limited sight lines may cause non-compliar
	Exit Enclosure	1022.1	2 Hours connecting 4 stories or more	12.3.1	Communicating Spaces shall be permitted if all requirements are met To be enclosed and protected per 8.6	Per conversation with SFMO, additional roof vents will provided as limited sight lines may cause non-compliar of 8.6.6 (3) All vertical openings are protected. Stair 151 uses a 1h fire curtain to complete rated enclosure at grade.
	Exit Enclosure Communicating Space Protection of Vertical Openings	1022.1	2 Hours connecting 4 stories or more		requirements are met	provided as limited sight lines may cause non-complia of 8.6.6 (3) All vertical openings are protected. Stair 151 uses a 18
0	Exit Enclosure Communicating Space Protection of Vertical	Table 1004.1.1	2 Hours connecting 4 stories or more		requirements are met	provided as limited sight lines may cause non-complia of 8.6.6 (3) All vertical openings are protected. Stair 151 uses a 11

293" Stair Width Required

284" Horizontal width required (403" provided)

.3" per person Stairways .2" per Person Horizontal

32" Minimum Clear Width

100' in Storage with AES 250 feet with sprinkler system

400' in Storage with AES

100' In Storage with AES

20 Feet max

12.2.3.8

12.2.5.1.3

44" min when occupancy > 50

75' for path serving < 75 Occup.

20' for path serving any number of occup

TEM#		MUBEC / 2009 SECTION	REQUIREMENT	2009 NFPA 101 - SECTION	REQUIREMENT	PROPOSED COMPLIANCE
	Minimum Number of Exits per Story	Table 1021.1 / 1021.2	Min 2 exits from Basement (1-500) Min 3 exits from 1st floor (501-1,000) Min 2 exits from Balcony (1-500)	7.4.1.2 / 42.2.4.1.2	Min. 2 exits in Assembly Single means of egress if Common Path of travel is achieved	
	Main Entry/Exit	1028.2	Main exist must accommodate not less then 1/2 of the occupant load Exception: no well defined exit or multiple main exits - exits may be distributed	12.2.3.6.5 /12.2.3.6.6	Main exit shall accommodate 2/3rds of total occupant load	As the entry is through a Lobby, and there is no well-defined main entry - exits are distributed around the perimeter of the building
	Assembly Other Exits	1028.3	When occupant load >300, additional means of egress must accommodate not less then 1/2 of the occupant load Exception: no well defined exit or multiple main exits - exits may be distributed	12.2.3.7	Other exit shal accommodate 1/2 of total occupant load	As the entry is through a Lobby, and there is no well-defined main entry - exits are distributed around the perimeter of the building
	Interior Balcony Exits Exit Separation	1028.5	If seating capacity > 50, 2 exits	7.5.1.3.3	separation distance between two exits > 1/3 the length of maximum overall diagonal	2 Exits are provided
	Exit Discharge	1027.1	Exits shall discharge directly to the exterior. Combination of exceptions 1 and 2 shall not exceed 50%		dimension w/ sprinkler system	
		1027.1.1	max 50% exits may egress through areas on the level of discharge if: - exit is readily visible - level of discharge seperated from below with rated construction -automatic sprinkler system max 50% can egress through vesibule if: - seperated from below with rated construction - 10' deep max, 30' wide max - rated enclosure - only used for means of egress			
	Balcony Egress/Aisle Width	1028.6.1.1	.3" width per occupant for stairs with			Appropriate Width Provided, See Plans
	Balcony Egress/Aisle Width Balcony Egress/Aisle Width	1028.6.1.1	risers ≤ 7" and tread ≤ 11" .005" additional width/occupant per .1"			Appropriate Width Provided, See Plans Appropriate Width Provided, See Plans
	Path Through Adjacent Rows	1028.8.1	additional riser height above 7" If to reach 2nd path of travel, one must travel across the aisle, through seats to another aisle: 24 max seats, 12" between seats plus .7" per seat above 7 between ailes			See Plans, condition does not exist, 2 exit paths alway available without crossing over and aisle.
	Aisle Width	1028.9.1	48" when seats on both sides Handrails allowed to protrude per 1028.13 36" when < 50 Occupants 36" when seats on 1 side 23" when seats on both sides and divided by a handrail 42" for level or ramped with seats on both sides 36" for level or ramped with seats on 1			Aisle stairs 36" Min. with seats on one side only / divided by handrail. Handrails allowed
	Aisle Termination	1028.9.5	side 20' max dead-end if not connected to exit path, or 24 seat max to next aisle			See Plans
	Clear Aisle Width Serving Seats	1028.1	12" min < 14 seats 12" min + .3" per additional > 14 seats when seating served by 2 aisles 12" min +.6" per additional > 14 when seating served by 1 aisle 22" max required			
.0	SPECIAL OCCUPANCY REQUIRE	MENTS	N/A	NFPA 70, 450.21	1 Hour	No new interior transformers
	transformers > 112.5 KVA Electrical Closets w/		N/A	NFPA 70, 450.21	0 Hour	No new interior transformers
	transformers < 112.5 KVA Storage Rms		N/A		1 Hour or Automatic Extinguishing System and	Smoke Partition and AES
	Elevator Shafts			8.7.1.2 9.4 / 8.6.5 / ASME A17.1	smoke partition Enclosures connecting > 4 stories = 2hr Enclosures connecting < 4 stories = 1hr	1hr elevator shaft wall provided
	Elevator Machine Rooms			9.4.5		Machine Room Less Elevator Provided
.0	STAIRWAYS Stairway Width	1009.1	44" Min (36" min. for <50 Occupants)	7.2.2.2.1.2	44" Min (36" min. for <50 Occupants)	
	Headroom Stair Treads and Risers	1009.2 1009.4	80" min headroom clearance 4" min < Riser < 7" max	7.2.2.2.1.1(a)	80" min headroom clearance 4" min < Riser < 7" max	
	Aisle Stair Treads	1028.11.1	11" min tread 11" min, dimensional uniformity (3/16"	7.2.2.2.1.1(a)	11" min tread	12" aisle treads used
	Aisle Stair Risers	1028.11.2	tolerance) 4" ≤ riser ≤ 8" and uniform within each flight			8" aisle risers used
	Profile Stairway Landing	1009.4.5 1009.5	Risers shall be solid Required at top and bottom. Width and	7.2.2.3.2	Landing size can not decrease in the path of	
			distance in direction of travel equal to or greater than stair width		travel. Distance in direction of travel equal to or greater than stair width	
	Vertical Rise	1009.7	12' max vertical rise between floors or landings	7.2.2.2.1.1(a)	12' max vertical rise between floors or landings	
	Handrails Handrail Height	1009.12 1012.2	Handrails required on both sides 34" min and 36" max above stair tread	7.2.2.4.1.1 7.2.2.4.4.1	Handrails required on both sides 34" min and 36" max above stair tread nosing	
	Handrail Graspability Handrail Extensions	1012.1.1 1012.6	nosing Must comply with Type I must extend 12" beyond top riser and	7.2.2.4.4.10	must extend 12" beyond top riser and depth	
	Aisle Handrails	1028.13	depth of 1 tread beyond bottom riser required at either side or with aisle	7.2.2.4.4.10	of 1 tread beyond bottom riser	
	Aisle Discontinuous handrails	1028.13.1	handrail extensions not required gaps required in middle rails every 5 rows, 22" - 36" clear width			Only 5 rows of seating, no gap required
	Aisle Intermediate handrails	1028.13.3	when handrails are located in the middle of aisle stairs, additional intermediate handrail to be provided 12" below the main handrail			
	Guard Rails	10013.1	Required on landings > 30" high			*See Assembly Specific Requirements below
	Guard Rail Height Assembly Guards	1013.2 1028.14	42" min elevation < 30" = 26" high guard If seats are + 24" high = no guard	7.2.2.4.5.2	42" min	no guards provided at back row of seats
	"	•	ı I			
	Assembly Guards	1028.14.2	elevation > 30" = 26" high guard if guard			36" -42" guards provided
	Assembly Guards Assembly Guards	1028.14.2	elevation > 30" = 26" high guard if guard would interfer with sightlines elevation > 30" and @ aisle end = 36" min			36" -42" guards provided 36" -42" guards provided
	000000000000000000000000000000000000000		would interfer with sightlines	7.2.2.4.5.3 7.2.2.5.1.2	4" max opening Inside stairs, other than those serving as an	

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REV. DESCRIPTION DATE

JOCELANA BOOK BOOK BANGOR, MAINE 207-947-4511
PORTLAND, MAINE 207-828-4511
SARASOTA, FLORIDA 941-556-0757

ASYLUM

CODE REVIEW NOTES

SHEET TITLE:

WBRC CAD FILE: C:\Users\jocelyn.boothe\Documents\407110 - ASYLUM DANCE CLUB - ARCH_jocelyn.boothe.rvt

PROJECT No. 4071.10

GRAPHIC SCALE:

0"

PROJECT MANAGER: JRB

DRAWN BY: JRB

CHECKED BY: JET/MEJ

GI003