121 Center Street
Portland, Maine 04101

http://www.portlandmaine.gov/131/City-Code

Applicable Codes:

Gity 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)

2009 NFPA 101 - Life Safety Code w/Portland Amendments (Sec. 10-1) 2009 NFPA 1 - Fire Code w/Portland Amendments (Sec. 10-16)

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

2007 ASHRAE 62.1 - Ventilation for Acceptable Indoor Air Quality
2007 ASHRAE 90.1 - Energy Standard for Buildings except Low Rise Residential Buildings w/out addenda

CODE REVIEW SUMMARY:

WBRC
ARCHITECTS · ENGINEERS

BANGOR PORTLAND SARASOTA

TEM#	ITEM	CITY OF PORTLAND, MAINE CODE OF ORDINANCES						
		SECTION	REQUIREMENT	PROPOSED COMPLIANCE				
	Zoning		Zone B3 - Downtown Business					
			Historic Disctric					
			PAD overlay zone	Part of the zone listed 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	14-220.g	100%					
	Minimum Building Height	14-220.h	35 feet minimum within 50 feet of street	Exception 4 allows for lower buildings as part of an addition				

Maximum Building Height	14-220.i (and	150 feet maximum plus 40 feet additional			
	Downtown	height for building cap			
	Height Overlay	90 feet maximum street wall height			
	Map)				

POSED COMPLIANCE

Assembly Group A-2

	Hazard Classification		3	39.1.5					
2.0	CONSTRUCTION TYPE & GENERAL BUILDING HEIGHT AND AREA LIMITATIONS								
	Construction Type	Table 503 and 506.3	Type IIIB	Table A.8.2.1.2	Type III (200)	Construction Type to be Type IIIB / Type III (200)			
	Area Limitation		9,500 SF per Story w/ Sprinkler increase up to 19,000 SF per Story (with more then 1 story above grade)			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	The state of the s	2 Stories w/ Sprinkler increase up to 3 stories			Building to be 2 stories above grade and 1 story below grade			
	Height Limitation	Table 503 and	55 Feet w/ Sprinkler increase up to 75			Building to be 47' - 6" Above Grade at Highest Portion			

Chapter 12 + 13 Assembly Occupancy

Exterior Walls: Load Bearing & Non-load Bearing	Tables 601, 602	Distance 5 ≤ X ≤ 10-feet = 1 Hour Distance X > 30-feet = 0 Hour	NFPA 220, Table 4.1.1	1hr Wall required adjacent to parking structure
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

4.0	FIRE RESISTANCE RATING REG	QUIREMENTS F	OR BUILDING ELEMENTS			
	Primary Structural Frames	Table 601	0 hr	Table A.8.2.1.2	0 hr	
	Exterior Bearing Wall	Table 601	2 hr	Table A.8.2.1.2	2 hr	All Braced Steel Frame Structure /No Bearing Walls
	Interior Bearing Wall	Table 601	0 hr	Table A.8.2.1.2	0 hr	
	Non-bearing Exterior Walls	Table 601	0 hr	Table A.8.2.1.2	0 hr	
	Non-bearing Interior Walls	Table 601	0 hr	Table A.8.2.1.2	0 hr	
	Floor Construction and Secondary Members	Table 601	0 hr	Table A.8.2.1.2	0 hr	
	Roof Construction and Secondary Members	Table 601	0 hr	Table A.8.2.1.2	0 hr	

TEIVI #	ITEM	MUBEC / 2009 IBC		2009 NFPA 1	01 - Life Safety Code	
	¢	SECTION	REQUIREMENT	SECTION	REQUIREMENT	PROPOSED COMPLIANCE
.0	FIRE AND SMOKE PROTECTION	N FEATURES		2		
	Automatic Sprinkler Systems	903.2.1.5	Sprinkler system required for group A-2 Occupancy			Automatic Sprinkler provided
	Corridor Construction	1018.1	No fire/smoke rating required with Sprinkler System			
	Exit Enclosure	1022.1	Hour connecting 3 stories or less Hours connecting 4 stories or more	7.1.3.2	Hour connecting 3 stories or less Hours connecting 4 stories or more	1hr rating at stairs
	Convenience Openings in Vertical Openings			8.6.8.2	Where permitted by Chapters 11 through 43, unenclosed vertical openings not concealed within the building construction shall be permitted as follows: 1. Such openings shall connect not more than two adjacent stories (one floor pierced only) 2. Such openings shall be separated from unprotected vertical openings serving other floors by a barrier complying with 8.6.5 3. Such openings shall be separated from corridors 4. In new construction, the convenience opening shall be separated from the corridor referenced in 8.6.8.2.3 by a smoke partition, unless Ch 11 - 43 require the corridor to have	

a fire resistance rating

5. Such openings shall not serve as a required

means of egress

EM#	ITEM	MUBEC / 2009	IBC I	2009 NFPA 101	- Life Safety Code		
		The second secon	REQUIREMENT	SECTION	REQUIREMENT	PROPOSED COMPLIANCE	
			30-7	**************************************	No.	20	
	Protection of Vertical		1	39.3.1.1.3	Unprotected vertical openings shall be		
	Openings				permitted in buildings complying with all of the		
					following:	00	
					a. Where protected throughout by an approve	₫	
					automatic sprinkler system		
					b. Where no unprotected vertical opening		
					serves as any part of any required means of		
					egress		
					c. Where required exists consist of exit doors		
					that discharge directly to the finished ground		
		,	N is		level in accordance with 7.2.1		
í	MEANS OF EGRESS						
)	Occupant Load	Table 1004.1.1	T	7.3.1.2 / 39.1.7		See Attached Chart. Total Occupant Load = 1,418	
	оссирын голи	10010 100-1111		7.5.1.27 55.1.7		bee Actuality of the Four Securption 2004 = 1,415	
	Egress Width per Occupant	1005.1	.3" per person Stairways	7.3.3.1	.3" per person Stairways	426" Stair Width Required	
		111111111111111111111111111111111111111	.2" per Person Horizontal		.2" per Person Horizontal	284" Horizontal width required	
	Minimum Door Widths	1008.1.1	32" Minimum Clear Width	7.2.1.2.3 /	32" Minimum Clear Width		
				38.2.2.3			
	Common Path of Travel	1014.3/	75 feet with Sprinkler System /	39.2.5.3.1			
		1028.8	30 Feet in Assembly		100		
	Travel Distance		250 Feet with Sprinkler System	12.2.6.2	250 feet with sprinkler system		
	C. of West	1028.7	aall Fo	20222	241	_	
	Corridor Width	1018.2	44" min when occupancy > 50	39.2.3.2	44" min when occupancy > 50		
	Dead End Corridors	1018.4	36" min when occupancy < 50	20252	50 Feet max		
			20 Feet with Sprinkler System	39.2.5.2	The Annual Control of the Control of	+	
	Minimum Number of Exits per	Table 1021.1	Min 2 exits from Basement (1-500)	7.4.1.2 /	Min. 2 exits		
	Story		Min 3 exits from 1st floor (501-1,000)	39.2.4.1.2			
			Min 2 exits from Balcony (1-500)				
	Exit Separation			7.5.1.3.3	separation distance between two exits > 1/3		
	,				the length of maximum overall diagonal		
					dimension w/ sprinkler system		
	Exit Discharge	1027.1	Exits shall discharge directly to the				
			exterior. Combination of exceptions 1				
			and 2 shall not exceed 50%				
	H	100711		-	+		
		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				
		1027.1.2	max 50% can egress through vesibule if:	-			
		1027.1.2					
			- seperated from below with rated				
			construction				
			- 10' deep max, 30' wide max				
			- rated enclosure				
			- only used for means of egress				
					I	I	
# 17	100	IUBEC / 2009 IB		2009 NFPA 101 -			
9	Si	ECTION R	EQUIREMENT	SECTION	REQUIREMENT	PROPOSED COMPLIANCE	
S	PECIAL OCCUPANCY REQUIREM	ENTS					
E	lectrical Closets w/		/A	NFPA 70, 450.21	1 Hour	No new transformers	
	ansformers > 112.5 KVA	N.	/0	NEDA 70 450 04	0.112-02		
	lectrical Closets w/ ansformers < 112.5 KVA	IN IN	/A	NFPA 70, 450.21	u Hour	No new transformers	
	lectrical Switchgear Rooms	N	/A	NFPA 70, 450	2 Hour, or 1 Hour with Automatic Extinguishing	No no switchgear to be installed	
					System		
1000	echanical Rooms		/A) Hour	
S	torage Rms	N	/A	13.3.2.1.2.1/	1 Hour or Automatic Extinguishing System and	Smoke Partition and AES	
				8.7.1.2	smoke partition		
E	levator Shafts			9.4 / ASME			
			<u> </u>	A17.1			
-	levator Machine Rooms		1	9.4.5			

2009 NFPA 101 - Life Safety Code SECTION REQUIREMENT

7.2.2.4.4.1

7.2.2.4.4.10

7.2.2.4.5.2 42" min

.2.2.4.5.3 4" max opening

.2.2.2.1.1(a) 80" min headroom clearance

travel. Distance in direction of travel equal to

34" min and 36" max above stair tread nosing

must extend 12" beyond top riser and depth

exit or exit component, shall be protected in

of 1 tread beyond bottom riser

accordance with Section 8.6

or greater than stair width
7.2.2.2.1.1(a) 12' max vertical rise between floors or

7.2.2.4.1.1 Handrails required on both sides

PROPOSED COMPLIANCE

Inside stairs, other than those serving as an Section 8.6 allows an exception for unenclosed stairs.

Code Review



Stairway Width
Headroom
Stair Treads and Risers

Handrails

Handrail Height

Guard Rails

Handrail Graspability

Handrail Extensions

Opening Limitations Enclosure of Stair MUBEC / 2009 IBC
SECTION REQUIREMENT

.009.4.5 Risers shall be solid

80" min headroom clearance

eater than stair width

009.12 Handrails required on both sides

12.1.1 Must comply with Type I

.013.2 42" min .013.3 4" max opening

Required at top and bottom. Width and

distance in direction of travel equal to or

12' max vertical rise between floors or

34" min and 36" max above stair tread

must extend 12" beyond top riser and

depth of 1 tread beyond bottom riser Required on landings > 30" high

Asylum

Design Development Code Review

18 December 2015

0 DD SUBMISSION
REV. DESCRIPTION

MOTRUCTIO

25 MAR 2016

DATE



ASYLUM

CODE REVIEW NOTES

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

PROJECT No. 4071.10

GRAPHIC SCALE:

O"

SCALE:

PROJECT MANAGER: JRB

DRAWN BY: JRB

CHECKED BY: JRB

SHEET TITLE:

GI003

BSULE DAY 13/13 110 - ASYLUM DANCE (