6. MINIMUM FIRE RESISTANCE REQUIREMENTS OF BUILDING ELEMENTS (IBC TABLES 601 & 602)			
	Structural Frame	1 hour	
	Load bearing exterior walls	2 hours	
	Load bearing interior walls	1 hour	
	Non-load bearing exterior walls (fire separation distance less than 30 ft.)	1 hour	
	Non-load bearing exterior walls (fire separation distance greater than 30 ft.)	0 hours	
	Floor construction	1 hour	
	Roof construction	1 hour	
	Shaft enclosures	2 hours	
	Exit enclosures	2 hours	
	Corridors	0 hours	Table 1018.1 w/sprinkler sysytem and NFPA 39.3.6 (existing business occupancy)

7. MEANS OF EGRESS COMPONENTS	
Exit access travel distance with automatic sprinkler system	300 ft (IBC Table 1016.1) and NFPA 39.2.6.3
Minimum number of exits required per floor	2 (IBC Table 1021.1) and NFPA 39.2.4
Number of exits provided per floor	(2) for Lower Flr. and (3) for others
Spaces with (1) means of Egress allowed when occ. load less than 50 in Group B	IBC Table 1015.1
Common path of travel in group B fully sprinklered buildings.	100 ft. (IBC 1014.3) and NFPA 39.2.5.3.1
An area of refuge is provided in each exit stairway on each floor level (7.2.12)	

Component Description	Area Served =1/2 total area	PHASE TWO Occupant Load **	Width Required	Width Provided	
Corridors	6,152 sq ft	155 X .2*	31"	Min. 60"	** Occ. load for Stair 001 & 002 calculated based on 1/4 Art Gallery load plus 1/2 all other Occupied areas. (250 / 2) = (119/2) / 2 = 155 Stair 003 based on 1/2 total Gallery area. 093
Stair 001	6,152 sq ft	155 X .3*	31"	56"	
Stair 002	6,152 sq ft	155 X .3*	31"	44"	44" = required corridor min.
Stair 003	893 sq ft	60 X .3*	18"	56"	*NFPA 101, 7.2.2.2.1.1-(2) and Table 7.2.2.2.1.1(b) Existing Stairs. (36" min. allowed for existing)
Egress Door to Stair 001		155 x .2* =	31"	36"	
Egress Door to Stair 002		155 x .2* =	31"	36"	
Egress Door to Stair 003		60 x .2* =	12"	36"	
Calculations based on Tables 7.3.1.2 and 7.3.3.1					

GRAPHIC KEY:

- AREA OF RENOVATION
- 2-HOUR RATED EGRESS ENCLOSURE
- B — OCCUPANCY CLASSIFICATION
  NOTE: SEE SHEET G1.0 CODE SUMMARY
- RATING SYMBOL / WALL — 1-HOUR RATED WALL
- 2-HOUR RATED WALL
- TRAVEL DISTANCE
- EXIT SIGNS
- EMERGENCY LIGHTS
- EXIT/EMERGENCY COMBINATION LIGHTS

NOTE: SEE SHEET G1.1 CODE SUMMARY FOR ADDTIONAL INFORMATION

1 **LOWER LEVEL PLAN**
SCALE: 1/8" = 1'-0"

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Reviewed for Code Compliance Inspections Division Approved as Noted
Date: 10/03/14

PERMIT SUBMITTAL AUGUST 07, 2014

MAINE COLLEGE OF ART Lower Level Renovations PHASE I
522 Congress Street
Portland, Maine

Lower Level - Life Safety Plan

Drawn by: CY
File Name:
Scale: 1/8"=1'-0"
Project No. 2014-10.00
Date: 08.07.14
Revised:

MECA LOWER LEVEL Renovations

LS1.1