

SECOND FLOOR LIFE SAFETY PLAN

## CODE ANALYSIS **IBC** 2009, NFPA 101 2009

ASSEMBLY OCCUPANCY A-3 CONSTRUCTION TYPE 5A IBC, V-111 NFPA PROTECTED/COMBUSTIBLE MATERIALS 1 HOUR RATED FLOOR, FRAME, AND ROOF 1 HOUR STAIR RATING

ALLOWABLE HGT AND AREA 2 STORIES + 1 STORY W/ SPRINKLER 11,500 X 3=34,500 SF ALLOWED

BUILDING IS CURRENTLY SPRINKLERED PER NFPA 13

2 LEVELS ABOVE LED, V-111 ANY ASSEMBLY TRAVEL DISTANCE IN SPRINKLED A-3 NO GREATER THAN 250'

PANIC AND FIRE EXIT HARDWARE A- OCCUPANT LOAD OF 50 OR MORE- NO LOCK UNLESS PANIC HARDWARE OR FIRE EXIT HARDWARE. DOORS TO SWING DIRECTION OF EGRESS

INTERIOR FINISHES - IN SPRINKELED
EXIT ENCLOSURES AND PASSAGES & CORRIDORS - FLAME SPREAD INDEX B
ROOMS AND ENCLOSURES - INDEX C

COMMUNICATING STAIRS CAN FOLLOW NFPA 101 8.6 ACCORDING TO NFPA 101 SECTION 12.3 COMMUNICATING STAIRS ALLOWED IF:
-IF CONNECTS NO MORE THAN 3 STORIES
-NEXT TO LOWEST IS STREET LEVEL
-ENTIRE AREA OF COMMUNICATING SPACE IS OPEN AND UNOBSTRUCTED
-1 HR SEPARATION FROM REMAINDER OF BUILDING
-UNLESS SPRINKLED IN ACCORDANCE WITH NFPA 101 SECTION 9.7
AND HAS A SMOKE BARRIER IN ACCORDANCE WITH NFPA 101 8.5
COMMUNICATING STAIR DOES NOT NEED INTERMEDIATE RAIL IF NOT EGRESS STAIR

.3" PER OCCUPANT FOR STAIRS EGRESS WIDTH = 88" 88"/.3 = 293 OCCUPANTS PER STORY

IBC 1005.1

NFPA 9.7 NFPA 8.5 IBC 1012.8

**ARCHETYPE** 

Consultant:

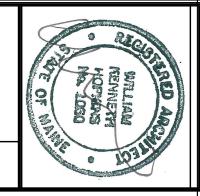
NFPA 8.6 NFPA 12.3

Prepared For: MAINE WHARF LLC

1028.7

1008.1.10

**IBC T503** 





5-13-2015 LIFE SAFETY PLANS

A4.02

NEW

STAII

W COMMUNICATING SING DETAILS
ERIOR ELEVATIONS

STAIR DETAILS

NTE

A1.01 -A1.02 -

EXISTING & DEMO PLANS FLOOR PLANS & ELEVATIONS FLOOR FINISH PLANS & RCPS

Qο

**DOOR SCHEDULE** 

A1.00

LIFE

SAFETY PLANS

N G

A1.03

A4.01

DETAILS

3/32" = 1'-0"

Revisions:

5-22-2015 REVISION TO PERMIT SET

Project:

INTERIOR FIT-UP

MAINE WHARF, PORTLAND ME

**BUILDING A - MAINE WHARF** PORTLAND SCIENCE CENTER

Architect:

SECOND FLOOR OCCUPANCY TOTAL = 200 THIRD FLOOR OCCUPANCY TOTAL = 200 TOTAL OCCUPANCY = 400

MUSEUM NET 30 PER

SF. OCCUPANCY

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