

Occupant Load 4			
Use	Rear Area	Total Area Per Occupant (sq. ft./cc)	Occupant Load
Addition Level 4			
Mechanical Storage	11,395 SF	300	38
Existing			
Mechanical Storage	22,492 SF	300	75
Addition Level 4 Maximum			
Mechanical Storage	33,787 SF	300	113

Occupant Load (IBC 1004.1.1, NFPA 101 1.3.1.2)			
2000 IBC S.F. / Occ.	Assembly without Fixed Seats	100	100
2000 IBC S.F. / Occ.	Lobby, Waiting, Physical Therapy	100	100
2000 IBC S.F. / Occ.	Office Area	100	100
2000 IBC S.F. / Occ.	Waiting Area	100	100
2000 IBC S.F. / Occ.	Locker, Restroom	100	100
2000 IBC S.F. / Occ.	Storage	100	100

Occupant Load 4							
Exit	Door Width	Door Exit Allowance (ft. opening)	Door Size (ft. opening)	Door Exit Allowance (ft. opening)	Door Capacity	Door Capacity	Door Capacity
Increase Exit to Return							
Door 1	42"	63	40	62	200	200	150
Door 2	42"	63	40	62	200	200	150
Door 3	42"	63	40	62	200	200	150

1 LIFE SAFETY PLAN - MECHANICAL LEVEL 4
1/8" = 1'-0"

Code Type	Applicable Code (Model Code Basis)
Building	2009 International Building Code
Fire Prevention	NFPA 101: Life Safety Code, 2009 Edition Chapter 18: New Health Care Occupancies Chapter 19: Existing Health Care Occupancies Portland Fire Prevention Code 2005 NFPA 1
Accessibility	Maine Human Rights Commission
Electrical	2011 National Electrical Code
Mechanical	ASHRAE 62.1 - 2007 ASHRAE 62.2 - 2007
Plumbing	2009 Uniform Plumbing Code (with State Amendments)
Energy Conservation	2009 International Energy Conservation Code
Joint Commission	NFPA 101 Applicable Code Year: 2000 Edition

New Building Elements	Fire Resistance Rating (hrs)	Opening Protective (hrs)
Structural Frame	2	-
Exterior Bearing Walls	2	-
Interior Bearing Walls	2	-
Exterior Non-Bearing Walls	Based on FSD	-
Interior Non-Bearing Walls	0	-
Floor Construction	2A	-
Floor Construction	1	-
Exit Access Corridors (IBC 407.2 & 407.3) (NFPA 101)	Smoke Resistant	Passive-Resisting
Stair Shafts (IBC 1022.1) (NFPA 101)	2	1 1/2
Other Shafts (IBC 708.4) (NFPA 101)	2	1 1/2
Trash Room/Storage > than 100 SF in Area	1	.75
Trash Room/Storage > than 50 SF in Area	Smoke Resistant	Self-Closing
Trash Room/Storage that contain > 64 gal. storage	1	Self-Closing
Rooms With Equipment Greater than 400,000 Btu/h Input Capacity (IBC Table 603.2.3) (NFPA 101)	1	.75

IBC Construction Type II - NFPA Type II (222)		
Building Component	Wall & Ceiling (IBC 603.2)	Floors (IBC 604.1)
Exit Enclosures and Passageways	Class B	Class II
Corridors	Class B	Class II
Rooms & Enclosed Spaces	Class B	Class II

Means of Egress		
Floor	Occupant Load	Exit Capacity (persons)
2	450	600

Required Fire Protection Systems:
 NFPA 13 sprinkler system (2009 IBC 407.3)
 Fire alarm system (2009 IBC 407.5)
 Standpipe system (2009 IBC 905.5.1)
 Fire extinguishers (2009 IBC 906.1)

LEGEND

- BRACKET MOUNTED FIRE EXTINGUISHER
- FIRE EXTINGUISHER CABINET
- EXIT STAR
- DOOR RESETS THE PASSAGE OF BRIDGE WOODOR CLOSING DEVICE
- BRIDGE BARRIER WITH TWO HOUR MIN. FIRE RATED CONSTRUCTION
- BRIDGE BARRIER WITH ONE HOUR MIN. FIRE RATED CONSTRUCTION
- ONE HOUR FIRE BARRIER
- ONE HOUR FIRE BARRIER
- LIMIT TRANSFER OF SMOKE AND FIRE RESISTING RATING
- OBSTACLE FROM MIN. TRAVEL DISTANCE
- EXP. STAR
- EXP. LIGHT WITH ARROW OR
- DOOR RESETS THE PASSAGE OF BRIDGE WOODOR CLOSING DEVICE



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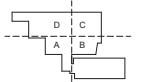
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CONSTRUCTION DOCUMENTS



Revisions

NO.	AS BY	DATE
1	AS BY	03/14/2014
2	ISSUED FOR PERMIT	03/20/2014
3	ISSUE	DATE

LIFE SAFETY LEVEL 4

Date: 03/14/2014
Job #: C140135481 (AMC) 152188.000
Drawn: [Name]
Checked: [Name]
Approved: [Name]

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