

ED EXPANSION CODE ANALYSIS - LIFE SAFETY NFPA 101 2003 - CONSTRUCTION: I (332), OCCUPANCY:

SECTION	SECTION		
	DESCRIPTION	REQUIREMENT	COMMENTS
6.1.5	CLASSIFICATION OF OCCUPANCY	CHAPTER 18/19	NEW/EXISTING HEALTHCARE OCCUPANCIES
18.1.1.4	ADDITIONS	CHAPTER 18	NEW HEALTHCARE OCCUPANCIES
18.1.6.4	CONSTRUCTION TYPE LIMITATIONS	I(332)	(SEE FIRE RATINGS TABLE)
18.1.7	OCCUPANT LOAD	TABLE 7.3.1.2	SEE TABLE
	NFPA	TABLE 7.3.3.1 (CAPACITY FACTORS)	LEVEL COMPONENTS, HEALTH CARE, SPRINKLERED (.02) STAIRWAYS, HEALTH CARE SPRINKLERED (.03)
	IBC	TABLE 1005.1 (EGRESS WIDTH PER OCCUPANT SERVED)	STAIRWAYS, SPRINKLERED (.03) OTHER EGRESS COMPONENTS, SPRINKLERED (.02)

| TRAVEL DISTANCES

TRAVEL	ALLOWED	PROVIDED	COMMENTS
	MAX.		
	200' IBC	SEE PLANS	EXIT ACCESS TRAVEL, TBL 1015.1 REMOTE PT TO NEAREST EXIT
	200' NFPA	SLL PLANS	NFPA 101 18.2.6.2.3 & TABLE A.7.6
) 10 Z/11	1/2 OR 1/3 OF THE DIAGONAL DIMENSION NFPA 2003 7.5.1.3.3	SEE PLANS	1006.4.1 REMOTENESS — EXITS OR EXIT ACCESS DOORS (FULLY SPRINKLERED)

ED EXPANSION FIRE RATINGS - LIFESAFETY

ITEM DESCRIPTION	FIRE RATING	COMMENTS
EXTERIOR BEARING WALLS	3 _HRS.	
INTERIOR BEARING WALLS SUPPORTING MORE THAN ONE FLOOR	NA HRS.	
INTERIOR BEARING WALLS SUPPORTING ONE FLOOR ONLY	_ 2 _HRS.	
COLUMNS SUPPORTING MORE THAN ONE FLOOR, COLUMNS, OR BEARING WALLS	_ 3 _HRS.	
COLUMNS SUPPORTING ONE FLOOR ONLY		
BEAMS, GIRDERS, TRUSSES, AND ARCHES SUPPORTING MORE THAN ONE FLOOR	_3_HRS.	
BEAMS, GIRDERS, TRUSSES, AND ARCHES SUPPORTING ONE FLOOR ONLY	_2_HRS.	
FLOOR CONSTRUCTION	2 _HRS.	
ROOF CONSTRUCTION	1 1/2 HRS.	
EXTERIOR NONBEARING	_ 0 _HRS.	SEE A.3.1 (TABLE) [NFPA 220].

ED EXPANSION FIRE RATINGS - BUILDING CODE_

ITEM DESCRIPTION		COMMENTS
EXTERIOR LOADBEARING WALLS	NA HRS.	
EXTERIOR WALLS NON-LOADBEARING (WITH 0 - 5' FIRE SEPARATION)	_1_HRS.	
(WITH GREATER THAN 5' - 10' FIRE SEPARATION)	HRS.	
FIRE ENCLOSURE OF EXITS	_2_HRS.	
SHAFTS AND ELEVATOR HOISTWAYS	_2_HRS.	
OTHER NONBEARING PARTITIONS	_ 0 _HRS.	
INTERIOR LOAD BEARING WALLS, PARTITIONS, COLUMNS AND FRAMING SUPPORTING MORE THAN ONE FLOOR	_ 3 _HRS.	
SUPPORTING ROOF ONLY	_1_HRS.	
FLOOR CONSTRUCTION INCLUDING BEAMS AND JOISTS	_ 2 _HRS.	
ROOF CONSTRUCTION INCLUDING BEAMS, AND JOISTS	1 1/2 HRS.	

ED EXPANSION CODE ANALYSIS - BLDG CODE

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SECTION	SECTION DESCRIPTION	REQUIREMENT	COMMENTS _	
302.1, 308.3	USE GROUP	I-2 INSTITUTIONAL	NEW RENOVATION/INFILL	
SECTION 602 TABLE 601 & 602	CONSTRUCTION CLASSIFICATION	1A	EXISTING RICHARDS BUILDING 1B CONSTRUCTION PER BOCA '99	
TABLE 503 REQUIREMENTS	FLOOR ALLOWED — BASE (AREA LIMITATION)	UNLIMITED (UL)	NO ADJUSTMENTS ALLOWED	
ACTUAL FLOOR AREAS PROVIDED	NUMBER OF FLOORS GROSS AREA PER FLOOR SUB-BASEMENT	UNLIMITED (UL) UNLIMITED (UL)		
	BASEMENT GROUND LEVEL	44,060 SF		
	SECOND LEVEL			
	THIRD LEVEL			
	FOURTH LEVEL			
	FIFTH LEVEL			Maine Medical Center
TABLE 503	HEIGHT LIMITATIONS	NOT LIMITED		
	OCCUPANCY PER FLOOR			ED Expansion and Renovation
				Portland, Maine MMC Project No. 2184
TABLE 1004.1.2	BASEMENT FLOOR	44,060 SF	98 PEOPLE	Tornand, Wante White Froject No. 2182
	NUMBER OF EXITS REQUIRED			Drawing Title
				LIFE SAFETY PLANS
TABLE 1018.1	INPATIENT	2 EXITS PER BUILDING		
				→ AND TARI FS

General Notes:

LIFE SAFETY LEGEND

RATED PARTITIONS ARE INDICATED AS FOLLOWS:

2 HR SMOKE BARRIER

PATH OF EXIT TRAVEL

— · — · — 1 HR FIRE RATED PARTITION

- - - - NON-RATED SMOKE RESISTANT PARTITION

INDICATES EXIT LOCATION

SMOKE COMPARTMENT AND BARRIER

PORTABLE FIRE EXTINGUISHER

EXIT SIGN

ISSUE DATE DESCRIPTION

12/14/07 BID SET

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Issue Log

1 HR SMOKE BARRIER

G10B

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AND TABLES