



LIFE SAFETY SYMBOLS

	EXIT LIGHT
	FIRE EXTINGUISHER
	FIRE ALARM FULL MANUAL PULL STATION
	FIRE ALARM PANEL
	EMERGENCY LIGHT
	FIRE ALARM HORN/STROBE UNIT
	FIRE ALARM STROBE UNIT
	SMOKE DETECTOR
	ANNUNCIATOR PANEL
	"NOT AN EXIT" SIGN
	KNOCK BOX
	1 HR. RATED PARTITION
	2 HR. RATED PARTITION



SECOND FLOOR FACILITY CODE COMPLIANCE PLAN
 SCALE 1/16" = 1'-0"

- LIFE SAFETY NOTES:**
1. THE NEW BUILDING ADDITION SHALL HAVE AN NFPA 13 FIRE SUPPRESSION SPRINKLER SYSTEM INSTALLED. SPRINKLER SYSTEM SHALL BE INSTALLED BY A CERTIFIED SPRINKLER CONTRACTOR AND SHALL BE REVIEWED AND APPROVED BY THE STATE OF MAINE FIRE MARSHAL AS WELL AS THE LOCAL AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL BEAR SOLE RESPONSIBILITY FOR THE DESIGN AND INSTALLATION OF THE SYSTEM FOR OCCUPANT.
 2. THE SPRINKLER CONTRACTOR SHALL VERIFY THE EXISTING BUILDING SPRINKLER/FIRE ALARM SYSTEM HAS SUFFICIENT CAPACITY FOR EXTENDING INTO THE NEW BUILDING ADDITION.
 3. THE CLOSEST FIRE HYDRANT TO THE BUILDING HAS A STATIC PRESSURE OF 80 PSI AND A FLOW OF 2,348 GPM.
 4. EXTEND THE EXISTING FIRE ALARM SYSTEM INTO THE NEW ADDITION AS REQUIRED FOR COMPLIANCE WITH NFPA 101 LIFE SAFETY CODE. COORDINATE WITH SPRINKLER SYSTEM MODIFICATION VERIFY LOCATION OF ALARM AND NOTIFICATION PANELS WITH THE AUTHORITY HAVING JURISDICTION.
 5. SEE SHEET A-12 - ACCESSIBILITY DETAILS FOR MOUNTING HEIGHTS OF LIFE SAFETY DEVICES.

NFPA 101 LIFE SAFETY CODE - 2009 EDITION

BUILDING CLASSIFICATION	EXISTING INDUSTRIAL (ANOLLARY BUSINESS + MERCANTILE)
NEW ADDITION - INDUSTRIAL (ANOLLARY BUSINESS)	TOTAL FIRST FLOOR AREA = 41,478 SF
	TOTAL SECOND FLOOR AREA = 5,942 SF
	TOTAL MEZZANINE FLOOR AREA = 4,897 SF (100)
BUILDING TOTAL FLOOR AREA = 51,717 SF	300 PART HAZARD
HEIGHT - 11'-0" (10)	TYPE II (200)
43,453 SF INDUSTRIAL @ 100 SF/OCCUPANT = 435 OCCUPANTS (40 ACTUAL)	2,322 SF BUSINESS @ 100 SF/OCCUPANT = 24 OCCUPANTS (35 ACTUAL)
1,924 SF MERCANTILE @ 30 SF/OCCUPANT = 64 OCCUPANTS	TOTAL CALCULATED LOAD 563 OCCUPANTS (439 ACTUAL)
1 HOUR (1 HOUR)	2 HOUR (1 HOUR)
2 HOUR (1 HOUR)	
1 HR CLEAR 30" IF LESS THAN 50 OCCUPANTS	
7"	
11"	
2'-8" AT STAIRS, 7'-6" AT OCCUPIED AREAS	
12'-0"	
34'-38" @ 42' GUARDRAIL	
12' HORIZ	
11' ANGLD @ 12' HORIZ	
11'-1" 2"	
LESS THAN 4"	

BUILDING USES	INDUSTRIAL	BUSINESS
MAX PERMITTED IF BUILDING IS FULLY SPRINKLED		
MAX ALLOWABLE TRAVEL DISTANCE	200 (1250')	200 (1300') / 150' (1250')
MAX ALLOWABLE COLUMN PATH	50' (100')	75' (100')
MAX LENGTH OF CORRIDOR WITH	50'	20' (50')
MAX WALKWAY CLEARANCE WIDTH	44"/36" IF 50 OCC	44"/36" IF 50 OCC
MIN NUMBER OF REQUIRED EXITS	2	2 (IF LESS THAN 100 OCCUPANTS AND LESS THAN 100' TRAVEL DISTANCE TO EXITS FLOOR LEVEL EXIT)
MIN EXIT ENCLOSURE RATING	1 HR (1 INCH)	0.5 DIAGONAL 10 (30)
MIN EXIT PATH OF EXITS	ALLOWED (1A)	ALLOWED (1A)
MIN EXIT AS PATHS OF EXITS	30"	36"
MIN EXIT DOOR OR WIDTH		
EXIT LIGHTING	REQUIRED	REQUIRED
EXIT SIGN LIGHTING	REQUIRED	REQUIRED
FIRE ALARM SYSTEM	REQUIRED	REQUIRED
FIRE SPRINKLER SYSTEM	NOT REQUIRED	NOT REQUIRED
PORTABLE FIRE EXTINGUISHERS	REQUIRED	REQUIRED
EXIT DOOR HARDWARE	REQUIRED	REQUIRED
QTY OF EXITS AND COMPLIANCE	NFPA 14 PFD TECHNICAL STANDARDS	

MUPEC (MAINE UNIFORM BUILDING ENERGY CODE) MINIMUM INSULATION VALUES
 PER 2011 ASHRAE TABLE 5.0-2(1), 5.0-2(1) AND 5.0-2.3

ZONE & U-F	R-VALUE	U-FACTOR	SHEG
EXTERNAL WALL	15.5	0.054	NA
ROOF (INSULATED)	30.0	0.033	NA
GLAZING (W/INT)	15.0	0.052	NA
FLOOR - FULL	7.5	0.133	NA
DOOR - FULL	2.0	0.50	NA
CEILING - UNINSULATED	1.25	0.80	NR
WIND WALL	2.0	0.35	NR
ATTIC FLOOR	2.0	0.45	NR