



NFPA LEGEND

- EXIT LIGHT
- FIRE EXTINGUISHER w/ BRACKET
- FIRE EXTINGUISHER w/ SEMI-RECESSED CABINET
- EMERGENCY LIGHT
- SMOKE DETECTOR w/ AUDIBLE BASE
- KNOX BOX
- ANNUNCIATOR PANEL

OCCUPANT LOADS

NFPA 101 LIFE SAFETY (2012 ED.)	25δ (BULK AREA)
IBC (2012 ED)	25δ (OCC. TABLE) 1004.1.1

CODE COMPLIANCE PLAN

SCALE: 1/8" = 1'-0"

- NOTES:**
1. KNOX BOX LOCATION SHALL BE VERIFIED BY THE AHJ.
 2. ANNUNCIATION PANEL LOCATION SHALL BE VERIFIED w/ THE AHJ.
 3. ALARM SYSTEM SHALL BE INTERCONNECTED THROUGHOUT BUILDING.
 4. REFER TO SHEET A4 FOR ACCESSIBILITY DETAILS & NOTES.

CODE ANALYSIS

NFPA 101 LIFE SAFETY CODE - 2012 Edition

Building Classification:	9,900 sf Total - Assembly (6,900 sf) & Storage (3,000 sf)
Construction Type:	II000
Hazard Classification:	Ordinary Hazard
Occupant Loads:	Meeting/Flex @ 15 sf/occupant = 165 Exercise Room (cardio) @ 15 sf/occupant = 32 Exercise Room (equipment) @ 50 sf/occupant = 30 Lockers @ 50 sf/occupant = 24 Storage/Custodial @ 500 sf/occupant = 6 Total Occupant Load = 25δ
Separation of Use Rating:	1 hour
Janitor, Mech, Stor Rating:	1 hour if over 100 sf
Minimum Headroom:	7'-6" at occupied areas
Building Uses	Assembly/Storage
Max. Allowable Travel Distance:	200'
Max. Allowable Common Path:	75'
Max. Dead End Corridor Length:	20'
Minimum Egress Corridor Width:	44"
Minimum Number of Required Exits:	2
Minimum Exit Access Corridor rating:	1 hr
Separation of exits:	0.5 diagonal distance = 94'
Minimum Egress Door Width:	36"
Exit Lighting:	Required
Emergency Lighting:	Required
Fire Alarm System:	Not Required
Fire Sprinkler System:	Not Required
Portable Fire Extinguishers:	Required

2009 INTERNATIONAL BUILDING CODE

Use Group Classification:	A-3 @ 6,900 sf / S-2 @ 3,000 sf
Occupant Loads:	Meeting/Flex @ 15 sf/occupant = 165 Exercise Room (cardio) @ 15 sf/occupant = 32 Exercise Room (equipment) @ 50 sf/occupant = 30 Lockers @ 50 sf/occupant = 24 Storage/Custodial @ 500 sf/occupant = 6 Total Occupant Load = 25δ
Area Use Separation Ratings:	1 hour
Janitor, Mech & Storage Rooms:	1 hour if over 50 sf but under 100 sf
Building Limitations	2B
Construction Type:	2 story @ A-3 / 3 story @ S-2
Maximum Height:	20'
Maximum Area / Floor:	9,500 sf @ A-3 / 26,000 sf @ S-2
Fire Resistance Ratings	
Structural Frame:	None
Load Bearing Exterior Walls:	None
Load Bearing Interior Walls:	None
Roof/Floor Structure:	None
Exit Corridors:	1 hour
Minimum Number of Exits:	2
Maximum Exit Travel Distance:	200' @ A-3 / 300' @ S-2
Maximum Dead End Corridor Length:	20'
Maximum Common Travel Path:	75'
Minimum Corridor Width:	44"
Fire Alarm/Detection System:	Not Required
Fire Sprinkler System:	Not Required
Portable Fire Extinguishers:	Required
Exit Lights:	Required
Emergency Lighting:	Required
Building Live Loads	
Assembly:	100 psf
Corridors:	80 psf
Light Storage:	125 psf

MUBEC (Maine Uniform Building Energy Code) MINIMUM INSULATION VALUES
Per 2009 IECC, Table 502.1.2, 502.2(1) and 502.3

ZONE 6A	R-VALUE	U-FACTOR	SHGC
Exterior wall	20.5	0.049	NA
Roof (above deck)	20.0	0.049	NA
Slab (24" band)	15.0	0.052	NA
Frost Wall	7.5	0.133	NA
Doors - Opaque	2.0	0.50	NA
Doors - Glazed	1.25	0.80	NR
Windows	2.9	0.35	NR
Storefront	2.2	0.45	NR