



1 SITE LAYOUT SKETCH  
G-101 NOT TO SCALE

GENERAL CODE INFORMATION	
<p>APPLICABLE LIFE SAFETY/BUILDING CODES: Maine Uniform Building and Energy Code (MUBEC) which is based on the 2009 International Building Code (IBC) 2009 National Fire Protection Association (NFPA) 101, adopted by the State Fire Marshal's Office</p> <p>AUTOMATIC SUPPRESSION SYSTEM: Fully Sprinklered in accordance with NFPA 13.</p> <p>FIRE ALARM SYSTEM: Addressable, voice evacuation system in accordance with NFPA 72.</p>	
BUILDING AND LIFE SAFETY CODE SUMMARY	
<p><b>OCCUPANCY CLASSIFICATION:</b> Multiple Use, Separated Occupancy IBC: A-2/A-3/B/S-1 NFPA: Assembly/Business/Special Purpose Industrial/Storage</p> <p><b>TYPE OF CONSTRUCTION:</b> Existing Construction is IBC Type IIIB and NFPA Type III(200), Non-Rated Construction, Combustible and Non-Combustible In the future this is to be upgraded to IBC Type IIB and NFPA Type II(000), Non-Rated Construction, Non-Combustible</p> <p><b>HEIGHT AND AREA LIMITATIONS:</b> Height: 75' Allowable/30' Actual Stories: 2 stories Allowable/2 stories Actual Area: 9,500 SF Tabular for Assembly, A-2/A-3 23,000 SF Tabular for Business, B 17,500 SF Tabular for Storage, S-1 Area Modification with full Frontage &amp; Automatic Sprinkler System Increases: 35,625 SF for Assembly, A-2/A-3 86,250 SF for Business, B 65,625 SF for Storage, S-1 Ratio of Actual Areas to Allowable Areas with deductions for vent and plumbing chases: 24,313/35,625 + 12,289/86,250 + 11,832/65,625 = 1.005</p> <p>NFPA 101 limits the Second Floor Assembly Occupant Load to 300 people per Table 12.1.6.</p> <p><b>EXTERIOR FIRE RESISTANCE RATINGS:</b> Exposure to Other Buildings: No rating required (Addition Fire Separation Distance &gt; 30') Stair Enclosures with Exterior Walls with Exposure at &lt; 180': 1 hour required for 10' Roof Rating: Min. Class C roof covering required</p> <p><b>INTERIOR FIRE RESISTANCE RATINGS:</b> Stair Enclosures: 1 hour required Exit Passageway: 1 hour required Elevator Shafts: 1 hour required Elevator Machine Room: 1 hour required Ductwork Shafts: NA (fire dampers provided at floor) Areas with Increased Hazard: smoke partitions required Corridors: no rating required (rating is required at occupancy separations) IBC Occupancy Separation between Business &amp; Assembly: 1 hour fire barrier required IBC Occupancy Separation between Storage &amp; Assembly: 1 hour fire barrier required Vertical Opening Protection: see schedule on G-103</p>	<p><b>STRUCTURAL ELEMENTS - FIRE RESISTANCE RATINGS REQUIRED FOR THE TYPE OF CONSTRUCTION:</b> Exterior load bearing walls: 0 hour, non-combustible Exterior non-load bearing walls: 0 hour, non-combustible Non-load bearing partitions: 0 hour, non-combustible Interior load bearing walls: 0 hour, non-combustible Structural Frame: 0 hour, non-combustible Floor Construction: 0 hour, non-combustible Roof Construction: 0 hour, non-combustible</p> <p><b>STRUCTURAL ELEMENTS SUPPORTING FIRE RATED BARRIERS INCLUDING, WALLS, FLOORS OR CEILINGS:</b> 1-hour required</p> <p><b>OCCUPANCY LOAD FACTORS:</b> Classrooms: 20 net SF per occupant Assembly Unconcentrated (tables and chairs): 15 net SF per occupant Assembly Concentrated (chairs - not fixed): 7 net SF per occupant Business/Clinic/Office: 100 gross SF per occupant Mechanical Spaces: 300 gross SF per occupant Storage Rooms: 300 gross SF per occupant</p> <p><b>TOTAL CALCULATED BUILDING OCCUPANT LOAD: 2,958</b> First Floor Occupant Load: 2,394 Second Floor Occupant Load: 564</p> <p>Note: these values do not include the out of scope, existing Armory, portion of the building. This space has independent egress.</p> <p><b>CAPACITY OF EGRESS COMPONENTS:</b> Clear Width per person: 0.2' per person for doors 0.3' per person for stairs</p> <p><b>EXIT DISCHARGE:</b> Exits discharge is directly to the exterior or through an exit passageway.</p> <p><b>COMMON PATH, DEAD-END, AND TRAVEL DISTANCE LIMITS:</b> Travel Distance: 250' Allowable/188' Actual Common Path of Travel from Assembly Occupancies with more than 50 occupants: 20' Allowable/NA Actual Common Path of Travel elsewhere: 75' Allowable/56' Actual Dead End Lengths for Assembly Occupancies: 20' Allowable/16' Actual Dead End Lengths for Business Occupancies: 50' Allowable/36' Actual</p>

**GENERAL NOTE:**

- FIRE PROTECTION FEATURES OF THE BUILDING SHOWN IN SITE LAYOUT SKETCH ARE SHOWN FOR GENERAL INFORMATION ONLY. REFER TO APPLICABLE CIVIL, FIRE ALARM AND SPRINKLER SHEETS FOR DESIGN INFORMATION.

**KEYNOTES: (THIS SHEET ONLY)**

- 1 FIRE DEPARTMENT ACCESS
- 2 FIRE DEPARTMENT CONNECTION
- 3 EXISTING FIRE HYDRANT
- 4 FIRE ALARM CONTROL PANEL
- 5 FIRE SYSTEM ANNUNCIATOR