



1 SITE LAYOUT SKETCH
G-101 NOT TO SCALE

GENERAL CODE INFORMATION	
APPLICABLE LIFE SAFETY/BUILDING CODES: Maine Uniform Building and Energy Code (MUBEC) 2009 International Building Code (IBC) 2009 National Fire Protection Association (NFPA) 101, adopted by the State Fire Marshal's Office	
AUTOMATIC SUPPRESSION SYSTEM: Fully Sprinklered in accordance with NFPA 13.	
FIRE ALARM SYSTEM: Addressable, voice evacuation system in accordance with NFPA 72.	
BUILDING AND LIFE SAFETY CODE SUMMARY	
OCCUPANCY CLASSIFICATION: Multiple Use, Separated Occupancy IBC: A-2/A-3/B/S-1 NFPA: Assembly/Business/Special Purpose Industrial/Storage	STRUCTURAL ELEMENTS - FIRE RESISTANCE RATINGS REQUIRED FOR THE TYPE OF CONSTRUCTION: 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
TYPE OF CONSTRUCTION: Existing Construction is IBC Type IIIB and NFPA Type III(200), Non-Rated Construction, Combustible and Non-Combustible This is to be upgraded to IBC Type IIB and NFPA Type II(000), Non-Rated Construction, Non-Combustible	STRUCTURAL ELEMENTS SUPPORTING FIRE RATED BARRIERS INCLUDING, WALLS, FLOORS OR CEILINGS: 1-hour required
HEIGHT AND AREA LIMITATIONS: 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 & 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	OCCUPANCY LOAD FACTORS: 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
NFPA 101 limits the Second Floor Assembly Occupant Load to 300 people per Table 12.1.6.	TOTAL CALCULATED BUILDING OCCUPANT LOAD: 2,699 First Floor Occupant Load: 2,139 Second Floor Occupant Load: 560
EXTERIOR FIRE RESISTANCE RATINGS: Exposure to Other Buildings: No rating required (Addition Fire Separation Distance > 30') Stair Enclosures with Exterior Walls with Exposure at < 180': 1 hour required for 10' Roof Rating: Min. Class C roof covering required	CAPACITY OF EGRESS COMPONENTS: Clear Width per person: 0.2" per person for doors 0.3" per person for stairs
INTERIOR FIRE RESISTANCE RATINGS: 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 & Assembly: 1 hour fire barrier required IBC Occupancy Separation between Storage & Assembly: 1 hour fire barrier required Vertical Opening Protection: see schedule on G-103	EXIT DISCHARGE: 50% of exits discharge directly to the exterior.
COMMON PATH, DEAD-END, AND TRAVEL DISTANCE LIMITS: Travel Distance: 250' Allowable/183' 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: Assembly 20' Allowable/16' Actual Business Dead End Lengths for Business: 50' Allowable/36' Actual	

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)

- △ FIRE DEPARTMENT ACCESS
- △ FIRE DEPARTMENT CONNECTION
- △ EXISTING FIRE HYDRANT
- △ FIRE ALARM CONTROL PANEL
- △ FIRE SYSTEM ANNUNCIATOR

80% SUBMISSION

DESIGNED BY: LEC
 CHECKED BY: TGB
 PROJECT: 21502.10

UNIVERSITY OF NEW ENGLAND
 PORTLAND CAMPUS
 STEVENS AVENUE ARMORY
 716 STEVENS AVE
 PORTLAND, MAINE 04103
 (1) 207-786-0171

RENOVATIONS TO THE
 STEVENS AVENUE ARMORY

CODE INFORMATION

SCALE: AS NOTED
 DATE: 04-08-16

DWG. **G-101**

SHEET: OF .