



BUILDING CODE STUDY DATA		
APPLICABLE CODES		
FIRE/LIFE SAFETY:	NFPA 101 2009	
BUILDING NO. 5		
EXISTING USE GROUP: E - EDUCATIONAL (DAY CARE)	BUILDING IS RENOVATION AND ADDITION WITH CHANGE OF USE CLASS.	
EXISTING RENOVATED CONSTRUCTION - FIRST FLOOR:	4968 GSF	
EXISTING RENOVATED CONSTRUCTION - BASEMENT:	433 GSF	
NEW ADDITION CONSTRUCTION:	860 GSF	
TOTAL NEW AND RENOVATED CONSTRUCTION:	6261 GSF	
NEW USE GROUP:	NEW BUSINESS	
CONSTRUCTION TYPE:	TYPE V [000]	
FIRE PROTECTION SYSTEMS:		
AUTOMATIC SPRINKLERS (FULLY SPRINKLERED)	EXISTING	NEW
PORTABLE FIRE EXTINGUISHERS	YES	YES
FIRE ALARM SYSTEM	YES	YES

**NOTE: PROJECT SHALL NOT BE OCCUPIED DURING CONSTRUCTION**

**PROVIDED EXIT CAPACITY CALCULATIONS**

6261 GSF = GROSS BUILDING AREA  
 BUSINESS OCCUPANCY = 1 OCCUPANT PER 100 SQ. FT.  
 EDUCATION (TRAINING) = 1 OCCUPANT PER 20 NET SQ. FT.  
 TOTAL OCCUPANCY PER NFPA = 103 OCCUPANT  
 MINIMUM REQUIRED NUMBER OF EXITS = 2  
 REQ'D EGRESS WIDTH PER OCCUPANT = 0.2 INCH PER OCCUPANT  
 MINIMUM EXIT WIDTH = 44" MIN  
 103 OCCUPANTS x 0.2" = 20.6"  
 PROVIDED EGRESS WIDTH AND NUMBER OF EXITS = 216" WIDTH, 5 EXITS  
 PROVIDED EGRESS WIDTH ALLOWS EXIT CAPACITY FOR 1080 OCCUPANTS

GENERAL LEGEND	
← 86'	EGRESS PATH - TRAVEL DISTANCE
← 44"/220	MEANS OF EGRESS [WIDTH IN INCHES / EXIT CAPACITY]
[E]SD	SMOKE DETECTOR, DUCT TYPE
⊙	FIRE ALARM SMOKE DETECTOR
⊗	FIRE ALARM VISUAL DEVICE
⊠	FIRE ALARM MANUAL STATION
⊠-S	FIRE ALARM SPEAKER/HORN WITH VISUAL DEVICE
⊙-S	CEILING MOUNTED EXIT SIGN
[E]C	FIRE EXTINGUISHER CABINET - RECESSED
⊙	OCCUPANT LOAD
[Hatched Box]	RETAIN EXISTING SLAB

1 BASEMENT FLOOR LIFE SAFETY PLAN  
 LS-2 SCALE: 1/4" = 1'-0"

FULLY SPRINKLERED  
 CONTRACT DOCUMENTS SUBMISSION

Additions:	Date:
Revisions:	

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Seal:

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Drawing Scale:	Drawing Title:
	LIFE SAFETY PLAN
Drawing Start Date:	Approved: Associate Director for Operations:
Drawing Finish Date:	Approved: Chief, Facilities Engineer:
Drawing Approved:	Approved: Director, Medical Center:

Project Title:	Date:		
BUILDING 5 RENOVATION	6-15-2012		
Building No:	Checked:	Drawn:	Project No:
5	CAJ	BMH/BDA	460-13-111
Location:	DRAWING NO:		
VAMHCS MEDICAL CENTER WILMINGTON, DELAWARE	LS-2		
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DEPARTMENT OF VETERANS AFFAIRS