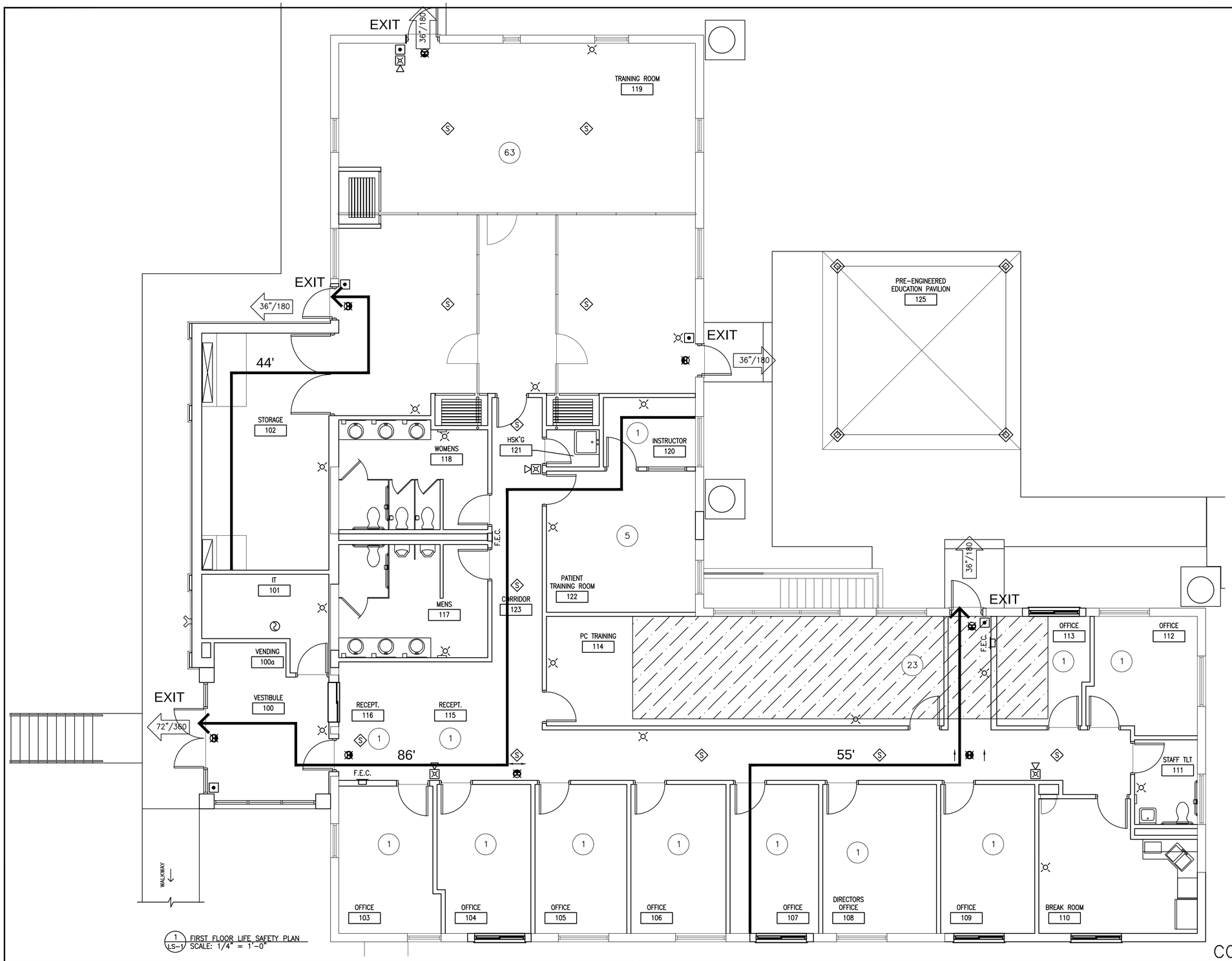

1 / LS-1 FIRST FLOOR LIFE SAFETY PLAN
SCALE: 1/4" = 1'-0"

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:

	EXISTING	NEW
AUTOMATIC SPRINKLERS (FULLY SPRINKLERED)	YES	YES
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]
S	REINSTALL EXISTING FIRE ALARM SPEAKER
	FIRE ALARM VISUAL DEVICE.
	FIRE ALARM MANUAL STATION.
	FIRE ALARM SPEAKER/HORN WITH VISUAL DEVICE.
	CEILING MOUNTED EXIT SIGN
F.E.C.	FIRE EXTINGUISHER CABINET – RECESSED
1	OCCUPANT LOAD
	RETAIN EXISTING SLAB
	SMOKE DETECTOR

FULLY SPRINKLERED
CONTRACT DOCUMENTS SUBMISSION

Additions: Date:

Revisions:

Consultants

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Drawing Scale:
Drawing Start Date:
Drawing Finish Date:
Drawing Approved:

Drawing Title: LIFE SAFETY PLAN
Approved: Associate Director for Operations:
Approved: Chief, Facilites Engineer:
Approved: Director, Medical Center:

Project Title: BUILDING 5 RENOVATION
Building No: 5
Checked: CAJ
Drawn: BMH/BDA
Location: VAMHCS MEDICAL CENTER WILMINGTON, DELAWARE

Date: 6-15-2012
Project No: 460-13-111
DRAWING NO: LS-1
Dwg. 10 Of 67

DEPARTMENT OF VETERANS AFFAIRS

PDG 110105.01