

C1 FIRST FLOOR LIFE SAFETY PLAN
1/16" = 1'-0"

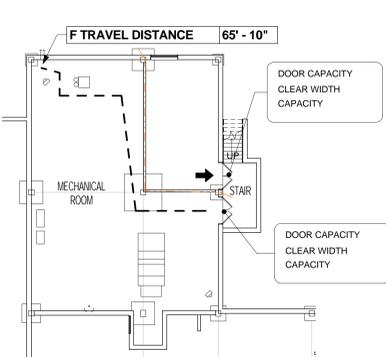


F1 FIRST FLOOR OCCUPANCY PLAN
1/16" = 1'-0"

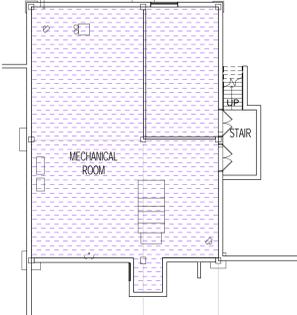
PROJECT AREA SUMMARY	
EXISTING BASEMENT	2,481 S.F.
EXISTING FIRST FLOOR	22,780 S.F.
NEW ADDITION	3,368 S.F.
TOTAL AREA	28,629 S.F.

BUILDING CONSTRUCTION TYPE	
NFPA 101 2012	IBC 2012
TYPE 2 (000)	2B

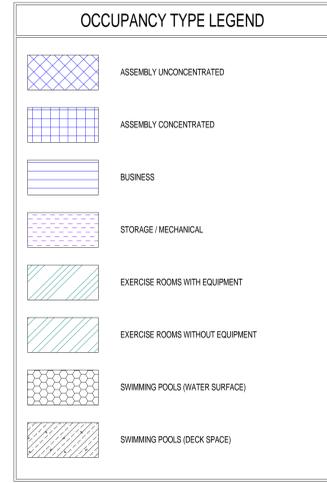
BUILDING OCCUPANT LOAD				
EXISTING BASEMENT				
USE	AREA (SF)	SF/PERSON	LOAD	
ASSEMBLY CONCENTRATED	-	7 NET	-	-
ASSEMBLY UNCONCENTRATED	-	15 NET	-	-
BUSINESS	-	100 GROSS	-	-
INPATIENT SLEEPING	-	120 GROSS	-	-
INPATIENT TREATMENT	-	240 GROSS	-	-
OUTPATIENT TREATMENT	-	100 GROSS	-	-
STORAGE/MECHANICAL	2,481 S.F.	300 GROSS	10	-
TOTAL LOAD	2,481 S.F.			10
EXISTING FIRST FLOOR				
USE	AREA (SF)	SF/PERSON	LOAD	
ASSEMBLY CONCENTRATED	1,214 S.F.	7 NET	173	-
ASSEMBLY UNCONCENTRATED	526 S.F.	15 NET	35	-
BUSINESS	17,507 S.F.	100 GROSS	175	-
SWIMMING POOLS (WATER SURFACE)	-	50 GROSS	-	-
SWIMMING POOLS (DECK)	-	30 GROSS	-	-
STORAGE/MECHANICAL	907 S.F.	500 GROSS	2	-
EXERCISE ROOMS WITH EQUIPMENT	1,882 S.F.	50 GROSS	38	-
EXERCISE ROOMS WITHOUT EQUIPMENT	744 S.F.	15 GROSS	50	-
TOTAL LOAD	22,780 S.F.			473
NEW ADDITION				
USE	AREA (SF)	SF/PERSON	LOAD	
ASSEMBLY CONCENTRATED	-	7 NET	-	-
ASSEMBLY UNCONCENTRATED	-	15 NET	-	-
BUSINESS	-	100 GROSS	-	-
SWIMMING POOLS (WATER SURFACE)	1,237 S.F.	50 GROSS	25	-
SWIMMING POOLS (DECK)	1,642 S.F.	30 GROSS	55	-
STORAGE/MECHANICAL	489 S.F.	500 GROSS	1	-
EXERCISE ROOMS WITH EQUIPMENT	-	50 GROSS	-	-
EXERCISE ROOMS WITHOUT EQUIPMENT	-	15 GROSS	-	-
TOTAL LOAD	3,368 S.F.			81



F TRAVEL DISTANCE 65'-10"



F5 BASEMENT OCCUPANCY PLAN
1/16" = 1'-0"



CODE REQUIREMENTS FOR RENOVATION

APPLICABLE CODES:

- NFPA 101 LIFE SAFETY CODE 2012
- INTERNATIONAL BUILDING CODE 2012
- NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900
- OSHA STANDARDS
- VA SEISMIC DESIGN REQUIREMENTS, H-18-8
- NATIONAL ELECTRICAL CODE
- ENERGY POLICY ACT 2005
- NATIONAL STANDARD PLUMBING CODE
- ASME BOILER AND PRESSURE VESSEL CODE
- ASME CODE FOR PRESSURE PIPING

ABAS INCLUDING VA SUPPLEMENT, BARRIER FREE DESIGN GUIDE PG-18-13

- BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318
- AISC MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS.
- THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS, STATED IN THE GENERAL REQUIREMENTS SECTION 01010 OF THE VA MASTER CONSTRUCTION SPECIFICATION
- VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY - ASHRAE STANDARD 62.1-2004
- SAFETY STANDARD FOR REFRIGERATION SYSTEMS - ASHRAE STANDARD 15-2007
- ASHRAE STANDARD 90.1-2007 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS

BUILDING OCCUPANCY CLASSIFICATION	BUILDING CODE	NFPA 101	
TYPE OF CONSTRUCTION	N/A	TYPE 2 (0.0.0)	
EXISTING BUILDING HEIGHT		1 STORY + BASEMENT	
EXISTING BUILDING AREA		25,281 S.F.	
PROJECT AREA		28,629 S.F.	
FIRE SUPPRESSION SYSTEM	NFPA 13 SPRINKLER SYSTEM		
SEISMIC / WIND REQUIREMENTS			
OCCUPANCY CATEGORY	III	N/A	
SEISMIC DESIGN CATEGORY	C	N/A	
WIND ZONE	B (90 MPH WIND SPEED)	N/A	
CORRIDOR WIDTH			
CORRIDOR SERVING 49 PEOPLE OR LESS	N/A	36 INCHES	
CORRIDORS SERVING 50 PEOPLE OR MORE	N/A	44 INCHES	
ALLOWABLE DEAD END CORRIDOR	N/A	50 FEET	
TRAVEL DISTANCE			
MAXIMUM ALLOWABLE TRAVEL DISTANCE	N/A	300 FEET	
COMMON PATH OF TRAVEL	N/A	100 FEET	
OCCUPANT	SEE SHEET G1003		
OCCUPANT LOAD			
EXIT			
(MINIMUM) NUMBER OF EXITS REQUIRED	N/A	2 REQUIRED (<500 OCCUPANT) 3 REQUIRED (501-1000 OCCUPANT) 4 REQUIRED (1-1000 OCCUPANT)	
EXIT CAPACITY	N/A	SEE SHEET G1003	
(MINIMUM) STAIR, DOOR AND CORRIDOR WIDTH	N/A	(EXISTING STAIR) 36" / 0.3 x 320 (EXISTING DOOR AND CORRIDOR) 72" / 0.2 x 360	
CORRIDOR FIRE RESISTANT RATING	N/A		
	NON-RATED (8.3.6.1(c))		
INTERIOR FINISHES	EXIT	CORRIDORS	ROOMS
INTERIOR WALL AND CEILING FINISH REQUIREMENTS	CLASS A OR B	CLASS A OR B	CLASS A OR B
INTERIOR FLOOR FINISH REQUIREMENTS	CLASS 1 OR 2		

FIRE RATINGS

NON-LOADBEARING WALLS AND PARTITIONS	HOURS	UL DESIGN #
FIRE WALLS (705)	2	N/A
EXIT ENCLOSURES (706.3.2 / 1020.1)	1	#U465U419
EXITS PASSAGEWAY (706.3.3 / 1021.1)	1	N/A
HORIZONTAL EXITS (706.3.4 / 1022.1)	2	N/A
INCIDENTAL USE AREAS (706.3.6 / 508.2)	1	#U465U419
OCCUPANCIES SEPARATION (706.3.8 / 508.3.2)	2	N/A
FIRE PARTITIONS (708)	1	N/A
SMOKE BARRIERS (709)	1	N/A
SHAFT ENCLOSURES (707.4)	1	#U465U415
CORRIDOR WALLS (708.3 / 1017.1)	0	N/A

GENERAL NOTES:

- ALL RATED INTERIOR PARTITION SHOULD BE CONSTRUCTED IN ACCORDANCE WITH THE RATED PARTITION SCHEDULE UNLESS NOTED OTHERWISE ON THE FLOOR PLANS
- CONTRACTOR TO PATCH AND REPAIR ALL NEW AND EXISTING FIREPROOFING AFTER INSTALLATION OF NEW WORK AS REQUIRED TO MAINTAIN REQUIRED FIRE RATING. CONTRACTOR TO USE MATERIALS COMPATIBLE WITH EXISTING FIREPROOFING FOR PATCH WORK.



NOTE: SEE SHEET AE-002 FOR ALTERNATES

FULLY SPRINKLERED
ISSUED FOR BID

Revisions	Date

CONSULTANTS:

Project Manager	Architect	Structural Engineer	MEP/FPF Engineer	Civil Engineer	Fire Protection Consultant	Cost Estimator	Acoustic Consultant	Associate Architects
BRAY MOONEY CONSULTING 410 E. 21 STREET CHESTER, PA 19013 Tel: (610) 872-3716	ARRAY HEALTHCARE FACILITIES SOLUTIONS 2530 RENAISSANCE BLVD., SUITE 110 KING OF PRUSSIA, PA, 19406 Tel: (610) 270-0599	WZG, STRUCTURAL CONSULTING ENGINEERS P.O. BOX 24 40 LITTLE ROAD ZIEGLERVILLE, PA, 19482 Tel: (610) 267-9194	APOGEE CONSULTING GROUP 7330 CHAPEL HILL ROAD, SUITE 202 RALEIGH, NC, 27606 Tel: (919) 859-7420	GUIDON DESIGN 2453 DELAWARE STREET INDIANAPOLIS, IN 46205 Tel: (317) 800-6388	HARRINGTON GROUP 7508 E. INDEPENDENCE BLVD., SUITE 116 CHARLOTTE, NC, 28227 Tel: (704) 531-9077	BRAY MOONEY CONSULTING 410 E. 21 STREET CHESTER, PA, 19013 Tel: (610) 872-3716	ATLANTIC AQUATIC ENGINEERING 1823 DEEP RUN ROAD PIPERSVILLE, PA, 18947 Tel: (215) 788-0409	W. COOK ARCHITECTS 1251 ROMANVILLE ROAD COATESVILLE, PA, 19320 Tel: (610) 383-4460

PROJECT MANAGER: Project Number 3627 Scale As indicated

Bray Mooney Consulting

Drawing Title: **FIRST FLOOR LIFE SAFETY PLAN**

Approved: Project Director

Project Title: **RENOVATE BUILDING 69**

VA Project Number: 542-CSI-203

Building Number: 69

Location: 1400 Black Horse Hill, Coatesville, PA

Date: 1/22/2014

Checked: TN

Drawn: BG

Drawing Number: **G1003**

Dwg. 04 of 86

Office of Facilities Management

Department of Veterans Affairs