OVERALL BUILDING AREA

LEVEL	AREA (GROSS SQUARE FEET)
1	4,451 GSF
M2	663 GSF
TOTAL	5,114 GSF

APPLICABLE CODES & REGULATIONS

2009	INTERNATIONAL BUILDING CODE (IBC)
2009	INTERNATIONAL FUEL GAS CODE (IFGC)
2009	INTERNATIONAL MECHANICAL CODE (IMC)
2009	INTERNATIONAL PLUMBING CODE (IPC)
2009	INTERNATIONAL FIRE CODE (IFC)
2009	NATIONAL ELECTRICAL CODE (NEC)
20--	INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
20--	ANSI/ASHRAE/IESNA STANDARD 90.1
2010	STANDARDS FOR ACCESSIBLE DESIGN

OCCUPANCY CLASSIFICATION

OCCUPANCY	GROUP B

CONSTRUCTION CLASSIFICATION

CONSTRUCTION TYPE	TYPE IIB	
HEIGHT	ALLOWABLE: 55 ft	ACTUAL: 28 ft
# OF STORIES	ALLOWABLE: 3	ACTUAL: 1
AREA PER FLOOR	ALLOWABLE: 23,000	ACTUAL: 5,114
HEIGHT MODIFICATIONS	N/A	
AREA MODIFICATIONS	N/A	

MEANS OF EGRESS

MAXIMUM ALLOWABLE	USABLE	
TRAVEL DISTANCE TO EXIT	200 FT.	
COMMON PATH OF TRAVEL	75 FT.	
DEAD END LENGTH	20 FT	
EGRESS OCCUPANTS	BUSINESS: 3,474 GSF @ 100 GSF/OCC = 35 ASSEMBLY: 778 NSF @ 15 NSF/OCC = 52 M&S: 199 GSF @ 300 GSF/OCC = 1 TOTAL OCCUPANTS = 88	
EGRESS WIDTH	REQUIRED: 0.2" PER OCC x 88 OCCUPANTS = 18"	PROVIDED: 160"

FIRE RESISTANCE-STRUCT. ELEMENTS

STRUCTURAL ELEMENT	IBC TYPE TBL. 601	RESISTANCE PROVIDED: RATING	RESISTANCE PROVIDED: ACHIEVED BY
EXTERIOR BEARING WALL			
*SUPPORTING MORE THAN ONE FLOOR, COLUMNS, BEARING WALLS	2 HR	TBD	UL #
*SUPPORTING ONE FLOOR ONLY	2 HR	TBD	UL #
*SUPPORTING A ROOF ONLY	1 HR	TBD	UL #
INTERIOR BEARING WALL			
*SUPPORTING MORE THAN ONE FLOOR, COLUMNS, BEARING WALLS	2 HR	TBD	UL #
*SUPPORTING ONE FLOOR ONLY	2 HR	TBD	UL #
*SUPPORTING A ROOF ONLY	1 HR	TBD	UL #
COLUMNS			
*SUPPORTING MORE THAN ONE FLOOR, COLUMNS, BEARING WALLS	2 HR	TBD	UL #
*SUPPORTING ONE FLOOR ONLY	2 HR	TBD	UL #
*SUPPORTING A ROOF ONLY	1 HR	TBD	UL #
BEAMS, GIRDERS, TRUSSES			
*SUPPORTING MORE THAN ONE FLOOR, COLUMNS, BEARING WALLS	---	TBD	UL #
*SUPPORTING ONE FLOOR ONLY	---	TBD	UL #
*SUPPORTING A ROOF ONLY	---	TBD	UL #
FLOOR CONSTRUCTION	2 HR	TBD	UL #
ROOF CONSTRUCTION	1 HR	TBD	UL #
EXTERIOR NON-BEARING WALLS	TBD	TBD	UL #

FIRE RESISTANCE -WALLS & PARTITIONS

WALLS AND PARTITIONS	IBC TBL 715.4	OPENING PROTECTION	RESISTANCE PROVIDED: RATING	RESISTANCE PROVIDED: ACHIEVED BY
SHAFT ENCLOSURES				
* LESS THAN 4 STORIES	1 HR	TBD	TBD	UL #
FIRE WALLS	TBD	TBD	TBD	UL #
HORIZONTAL EXITS	TBD	TBD	TBD	UL #
EXIT PASSAGEWAYS	TBD	TBD	TBD	UL #
SMOKE BARRIERS	1 HR	TBD	TBD	UL #
ACCESSORY / INCIDENTAL USE				
* FURNACE RM W/ 400,000 BTU/HR INPUT EQMT	1 HR	TBD	TBD	UL #
* BOILER RM W/ 15 PSI & 10 HP EQMT	1 HR	TBD	TBD	UL #
* REFRIGERANT MACHINERY RM	1 HR	TBD	TBD	UL #
* HYDROGEN CUTOFF RM	1 HR	TBD	TBD	UL #
* INCINERATOR RM	2 HR	TBD	TBD	UL #
* PAINT SHOP	2 HR	TBD	TBD	UL #
* LABS & VOCATIONAL SHOPS	1 HR	TBD	TBD	UL #
* WASTE & LINEN RMS > 100 SF	1 HR	TBD	TBD	UL #
* STATIONARY STORAGE BATTERY SYSTEMS	1 HR	TBD	TBD	UL #
* FIRE PUMP RM	1 HR	TBD	TBD	UL #

FIRE RESISTANCE - HORIZONTAL ASSEMBLIES

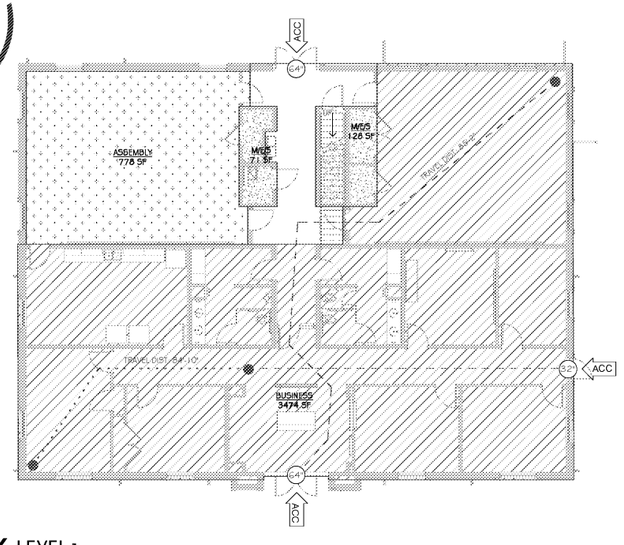
HORIZONTAL ASSEMBLIES	IBC	RESISTANCE PROVIDED: RATING	RESISTANCE PROVIDED: ACHIEVED BY
FURGLG - STORM SHELTER	2 HR	2 HR	UL # D916

PLUMBING FIXTURE TABULATIONS

LEVEL	OCCUPANCY	OCCUPANT LOAD	CALCULATIONS: WC M	WC F	WC USX	LAV M	LAV F	LAV USX	BATH/SHOWERS	DRINKING FOUNTAINS	SVC SINKS
1	BUSINESS 100 GSF/OCC	35 (18 M 18 W)	0.72	0.72	-	0.45	0.45	-	-	.35	1
	A-3, TRAINING 15 NSF/OCC	52 (26 M 26 W)	0.21	0.40	-	0.13	0.13	-	-	.10	1
	M&S 300 GSF/OCC	1 (1 M 1 W)	0.01	0.01	-	0.01	0.01	-	-	0.001	1
TOTAL	REQUIRED		0.94	1.13	-	0.59	0.59	-	-	.45	1
	PROVIDED		2	2	-	1	1	-	-	2	2

LIFE SAFETY PLAN LEGEND

- NON-RATED PARTITION
- 1 HR RATED PARTITION
- 2 HR RATED PARTITION / FIRE BARRIER
- 4 HR RATED PARTITION
- FEC — FIRE EXTINGUISHER CABINET
- S1 — EMERGENCY EVACUATION MAP SIGNAGE
- S2 — DOOR REQUIRING MANUAL CLOSURE SIGNAGE
- S5 — STORM SHELTER ACCESS SIGNAGE
- S6 — STORM SHELTER ENTRANCE SIGNAGE
- AID — FIRST AID KIT
- HO — MAGNETIC HOLD-OPEN DEVICE
- EXIT SIGN
- 145' — MAXIMUM TRAVEL DISTANCE TO EXIT
- 65' — COMMON PATH OF TRAVEL
- 3.2" — CLEAR WIDTH IN INCHES
- ACC — ACCESSIBLE ROUTE
- 1 HOUR RATED HORIZONTAL SHAFTWALL FURRING ASSEMBLY. COMPLY WITH ALL REQUIREMENTS OF UL #U415.
- 2 HOUR RATED ROOF/CEILING ASSEMBLY AT STORM SHELTER. SPRAY APPLIED FIREPROOFING TO UNDERSIDE OF STRUCTURAL STEEL DECK AND FRAMING. DECK PROTECTION PER UL# D779 JOIST PROTECTION PER UL# N777



A6 LEVEL 1
SCALE: 1/8" = 1'-0"

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LIFE SAFETY PLAN

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