CODES / STANDARDS

BUILDING CLASSIFICATION

[illegible]

BUILDING AREA CALCULATIONS

- O UNLIMITED AREA ALLOWED (PER IBC TABLE 503)
- O UNLIMITED HEIGHT ALLOWED (PER IBC TABLE 504.3)
- ● UNLIMITED AREA BUILDING
  - O NONSPRINKLERED, ONE STORY, 60 FOOT YARDS
  - ● SPRINKLERED, ONE-STORY ABOVE GRADE PLANE, 60' YARDS
  - O SPRINKLERED, TWO STORIES ABOVE GRADE PLANE, 60' YARDS
- O NO ALLOWABLE HEIGHT OR AREA MODIFICATION USED
- O ALLOWABLE AREA MODIFICATIONS USED PER THE ALLOWABLE AREA CALCULATIONS ON THIS SHEET
  - O BUILDING AREA MODIFICATIONS
  - O FRONTAGE INCREASE

ACTUAL AREA (Gross Building)		
LEVEL	AREA TYPE	GROSS AREA (SF)
1ST FLOOR		[illegible] SF
Total		[illegible] SF

MINIMUM FIRE-RESISTANCE REQUIREMENTS

TYPE OF CONSTRUCTION

PRIMARY STRUCTURAL FRAME
BEARING WALLS (EXT)
BEARING WALLS (INTR)
NON BRG WALLS AND PARTITIONS (EXT)
NON BRG WALLS AND PARTITIONS (INTR)
FLOOR CONSTR AND SECONDARY MEMBERS
ROOF CONSTR AND SECONDARY MEMBERS

FIRE RESISTANCE RATING FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (X)

MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE

FIRE SEPARATION DISTANCE	DEGREE OF PROTECTION (UP, NS)	(UP, S)	(P)
0 < 3 FT	NP	NP	NP
3 < 5 FT	NP	15%	15%
5 < 10 FT	10%	25%	25%
10 < 15 FT	15%	45%	45%
15 < 20 FT	25%	75%	75%
20 < 25 FT	45%	NL	NL
25 < 30 FT	70%	NL	NL
30 FT <	NL	NL	NL

ADDITIONAL FIRE RESISTIVE RATINGS

DESCRIPTION	CODE SECTION	RATING (HR)
SHAFT ENCLOSURES		
FOUR STORIES OR MORE		
LESS THAN FOUR STORIES		
EXIT ENCLOSURES		
FOUR STORIES OR MORE		
LESS THAN FOUR STORIES		
EXIT PASSAGEWAYS		
HOISTWAY ENCLOSURES		
ELEVATOR MACHINE ROOMS		
CORRIDORS		SPRINKLERED ●

OPENING FIRE PROTECTION ASSEMBLIES, RATING AND MARKINGS TO BE PER [illegible]

EXIT CAPACITY FACTORS

MINIMUM REQUIRED EGRESS WIDTH STAIRWAYS / OTHER EGRESS COMPONENTS — ● SPRINKLERED, O EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM

*REFER TO THE LIFE SAFETY PLANS FOR COMPLIANCE WITH MEANS OF EGRESS WIDTH REQUIREMENTS

LIFE SAFETY SYSTEMS

- AUTOMATIC SPRINKLER SYSTEM ● PROVIDED PER NFPA 13
- ALTERNATIVE AUTOMATIC FIRE EXTINGUISHING SYSTEMS O PROVIDED, REFER TO FIRE PROTECTION DRAWINGS
- STANDPIPE SYSTEM O PROVIDED PER NFPA 14
- PORTABLE FIRE EXTINGUISHERS ● PROVIDED PER NFPA 10
- FIRE ALARM SYSTEM ● PROVIDED PER NFPA 72

MEANS OF EGRESS

*REFER TO THE LIFE SAFETY PLANS FOR ACTUAL MEASURED DISTANCES

DOORS

THE MINIMUM CLEAR WIDTH AND HEIGHT OF A DOOR SHALL NOT BE LESS THAN 32 INCHES AND 80 INCHES RESPECTIVELY.

DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS OR A GROUP H OCCUPANCY.

EXIT ACCESS TRAVEL DISTANCE (IBC TABLE 1017.2)		
OCCUPANCY	SPRINKLERED	MAX. DISTANCE
A-2	YES	250'-0"

MIN. NUMBER OF EXITS FOR OCCUPANT LOAD (IBC TABLE 1006.3.2)	
OCCUPANT LOAD	MIN. # OF EXITS PER STORY
1-500	2
501-1,000	3
MORE THAN 1,000	4

CODES / STANDARDS

APPLICABLE CODES/CRITERIA/DESIGN POLICY

ADOPTED CODES

(IBC)	INTERNATIONAL BUILDING CODE	2018
(IEBC)	INTERNATIONAL EXISTING BUILDING CODE	2018
(IECC)	INTERNATIONAL ENERGY CONSERVATION CODE	[illegible]
(IFC)	INTERNATIONAL FIRE CODE	2018
(IMC)	INTERNATIONAL MECHANICAL CODE	2018
(IPC)	INTERNATIONAL PLUMBING CODE	2018
(NEC)	NATIONAL ELECTRICAL CODE	[illegible]

NOTE

PER IEBC LEVEL 3 ALTERATIONS TO EXISTING BUILDINGS OR STRUCTURES ARE PERMITTED WITHOUT REQUIRING THE ENTIRE BUILDING OR STRUCTURE TO COMPLY WITH THE ENERGY REQUIREMENTS OF THE IECC. THE ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE IECC.

BUILDING OCCUPANCY SUMMARY

OCCUPANT LOAD BY FUNCTION OF SPACE			
LS Occupancy Classification	AREA	LS Occupant Load Factor	OCCUPANT LOAD
BACK OF HOUSE (BAR)	[illegible] SF	[illegible]	[illegible]
BACK OF HOUSE (KITCHEN)	[illegible] SF	[illegible]	[illegible]
FRONT OF HOUSE	[illegible] SF	15	[illegible]
PATIO	[illegible] SF	15	[illegible]
TOTAL OCCUPANT LOAD			[illegible]

GRAPHIC LEGEND

[illegible]

FIRE & LIFE SAFETY NOTES

A. THE PURPOSE OF THE FIRE AND LIFE SAFETY DRAWINGS IS TO ILLUSTRATE IN SCHEMATIC FASHION THE APPLICABLE RATING, FIRE RESISTANCE, AND LIFE SAFETY CONCEPTS UTILIZED IN THIS PROJECT, INCLUDING BUT NOT LIMITED TO: OCCUPANCY CLASSIFICATIONS, OCCUPANCY LOAD FACTORS, EXIT LOCATIONS, EXIT PATHS & CAPACITY, FUNCTION OF SPACE, FIRE RESISTANCE RATED CONSTRUCTION AND OTHER STRATEGIES RELATED TO THE CODE COMPLIANCE APPROACH OF THIS PROJECT.

B. ADDITIONAL DETAILED REQUIREMENTS APPLY TO THE CONSTRUCTION OF PARTITIONS, FIRE RATED DOOR ASSEMBLIES, INTERIOR GLAZED OPENINGS, DUCTS, SMOKE AND FIRE DAMPERS AND THROUGH PENETRATION FIRE STOPPING. REFER TO THE DRAWINGS OF EACH DISCIPLINE AND THE SPECIFICATIONS FOR THESE REQUIREMENTS.

C. ADDITIONAL DETAILED REQUIREMENTS SHOWN ELSEWHERE MAY REQUIRE CONSTRUCTION HAVING GREATER FIRE RATINGS, MORE EXTENSIVE FIRE RATED CONSTRUCTION OR MORE COMPLEX ASSEMBLIES THAN INDICATED BY THE DIAGRAMS ON THIS SHEET. WHEN PROVIDED THE ADDITIONAL DETAILED REQUIREMENTS SHALL GOVERN.

D. FIRE BARRIERS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE AND SHALL BE SECURELY ATTACHED THERETO. SUCH FIRE BARRIERS SHALL BE CONTINUOUS THROUGH CONCEALED SPACES.

E. SHAFT ENCLOSURES SHALL BE CONSTRUCTED AS FIRE BARRIERS.

F. FIRE PARTITIONS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE OR TO THE FIRE-RESISTANCE RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLY ABOVE, AND SHALL BE SECURELY ATTACHED THERETO.

G. SMOKE BARRIERS SHALL FORM AN EFFECTIVE MEMBRANE CONTINUOUS FROM OUTSIDE WALL TO OUTSIDE WALL AND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, DECK OR SLAB ABOVE, INCLUDING CONTINUITY THROUGH CONCEALED SPACES.

H. SMOKE PARTITIONS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, DECK OR SLAB ABOVE OR TO THE UNDERSIDE OF THE CEILING ABOVE WHERE THE CEILING MEMBRANE IS CONSTRUCTED TO LIMIT THE TRANSFER OF SMOKE.

MINIMUM PLUMBING FACILITIES

REQUIRED

OCCUPANTS: [illegible] (MALE) [illegible] (FEMALE)

OCCUPANCY ASSEMBLY A-2 (RESTAURANTS, ETC.)	WATER CLOSET MALE	WATER CLOSET FEMALE	LAVATORIES MALE	LAVATORIES FEMALE	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
RATIO	1:75	1:75	1:200	1:200		1:500	
REQUIRED	1.67	1.67	0.74	0.74	-	0.59	NOTE 1

PROVIDED

ENTIRE BUILDING SUMMARY	WATER CLOSET MALE	WATER CLOSET FEMALE	LAVATORIES MALE	LAVATORIES FEMALE	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
SUBTOTAL REQUIRED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL REQUIRED	1	2	1	1	0	1	1 SERVICE SINK
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL PROVIDED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

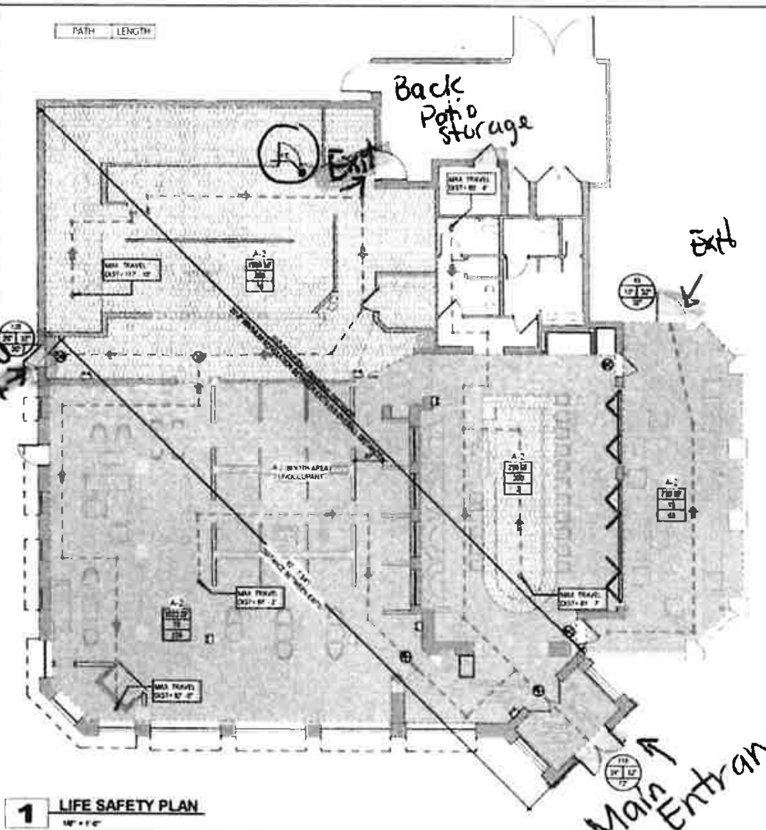
NOTE:

[illegible] DRINKING FOUNTAINS [illegible]

SQ. Ft
Building (w/out Patio)
5806 sq. ft

Patio
730 sq. ft

LIFE SAFETY PLAN



1 LIFE SAFETY PLAN

LIFE SAFETY PLAN LEGEND

FORCED DOOR KEY: MIN. WIDTH REQUIRED; OCCUPANTS THROUGH DOOR; MIN. WIDTH REQUIREMENT; WIDTH PROVIDED

EXITING SYMBOLS: EXIT SIGN LOCATION; EXIT TO EXTERIOR; TRAVEL DISTANCE; DEAD END; COMMON PATH OF EXIT TRAVEL; EXIT ACCESS

FIRE PROTECTION SYMBOLS: FEC – FIRE EXTINGUISHER CABINET; FE – FIRE EXTINGUISHER; FDC – FIRE DEPARTMENT CONNECTION

FUNCTION OF SPACE KEY: OCCUPANCY CLASSIFICATION ABBREVIATION; AREA OF SPACE; OCCUPANT LOAD FACTOR; OCCUPANT LOAD

PROJECT SHEET NOTES

A. A SIGN COMPLYING WITH IBC SECTION 1111 SHALL BE PROVIDED AT EACH LANDING OF THE ELEVATOR AND SAY THE FOLLOWING: "IN FIRE EMERGENCY, DO NOT USE THE ELEVATOR. USE EXIT STAIRS."

B. INTERIOR WALL & CEILING FINISHES SHALL HAVE A FLAME SPREAD INDEX RATING OF NO MORE THAN CLASS B AT VERTICAL EXITS & EXIT PASSAGEWAYS AND EXIT ACCESS CORRIDORS AND OTHER EXITWAYS.

C. INTERIOR WALL & CEILING FINISHES SHALL HAVE A FLAME SPREAD INDEX RATING OF NO MORE THAN CLASS C AT ROOMS AND ENCLOSED SPACES.

D. ALL MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD RATING INDEX NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50.

E. FIRE EXTINGUISHERS SHALL BE LOCATED SUCH THAT A MAXIMUM TRAVEL DISTANCE OF 75' SHALL NOT BE EXCEEDED (WHERE REQUIRED BY CODE).

F. LEVEL/AREA MAIN OCCUPANCY EXIT SIGN LOCATIONS MAY NOT BE SHOWN. REFERENCE ELECTRICAL SHEETS FOR ALL EXIT SIGN LOCATIONS.

G. FIRE RESISTIVE ASSEMBLY DETAILS, IF APPLICABLE, ARE LOCATED ELSEWHERE IN THIS DRAWING SET PER THE SHEET INDEX.

H. IF APPLICABLE ELEVATOR HOISTWAY OPENINGS SHALL BE PROTECTED AS REQUIRED BY THE CODE, CORRESPONDING TO THE RATING OF THE HOISTWAY.

I. EVERY ASSEMBLY OCCUPANCY ROOM OR SPACE SHALL HAVE THE OCCUPANT LOAD POSTED IN A CONSPICUOUS PLACE.

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#	REVISION	DATE
[illegible]	[illegible]	[illegible]

SHEET TITLE: BUILDING CODE SUMMARY & LIFE SAFETY
ISSUE DATE: 05/09/2024
DRAWN BY: LGE DESIGN GROUP
CHECKED BY: AZ
PROJECT No:

G1.1

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