



FINAL
9/12/2022

NO.	DESCRIPTION	DATE

NEW OFFICE FOR
RIVER BANK & TRUST
1425 Montgomery HWY, Suite 151
Vestavia Hills, AL 35243

BLACK DESIGN
ARCHITECTURE
1521 1ST AVENUE NORTH
BIRMINGHAM, AL 35203
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black

Life Safety Plan
2021.100
9/12/2022
HT:RSD
LB

SHEET NUMBER
A1.1

APPLICABLE CODES

INTERNATIONAL BUILDING CODE, 2021	GROUP B
INTERNATIONAL FIRE CODE, 2021	ITB
INTERNATIONAL MECHANICAL CODE, 2021	YES
INTERNATIONAL ELECTRIC CODE, 2020	FULLY SPRINKLERED:
ANSI A117.1, STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS, 2017	
CODE REVIEW DATA	
BUSINESS OCCUPANCY:	GROUP B
CONSTRUCTION TYPE:	ITB
FULLY SPRINKLERED:	YES
ALLOWABLE BUILDING HEIGHT AND AREAS	
4 STORY MAXIMUM HEIGHT:	92,000 SF PER FLOOR
ALLOWABLE AREA:	
ACTUAL BUILDING HEIGHT AND AREAS	
ACTUAL HEIGHT:	1 STORY
ACTUAL AREA:	5,742 SF

OCCUPANCY LOAD

OCCUPANCY	# OCCUPANTS
1ST FLOOR	38
BUSINESS - GROUP B - (160 GROSS)	
TOTAL	38

SPRINKLERED	OPENING PASSAGEWAY & DOORWAY WIDTH REQ'D # OCCUP X .2"	# OCCUPANT EGRESS THROUGH STAIRWAY	STAIRWAY WIDTH REQ'D # OCCUP X .3"	STAIRWAY WIDTH PROVIDED
FULLY	68"	0	0	0



PLUMBING CALCULATIONS

1ST FLOOR	FIXTURE	REQ'D	SUPPLIED
	WATER CLOSET (1 PER 25 for the 1st 50)	2	3
	LAVATORIES (1 PER 40 for the 1st 80)	2	3
	SERVICE SINK	1	1
	DRINKING FOUNTAIN	2	2

IBC 2021
Section 1110.2
Toilet and Bathing Facilities:
Exception 3: Where multiple single-user toilet rooms or bathing rooms are clustered at a single location, at least 50 percent but not less than one room for each use at each cluster shall be accessible.

LIFE SAFETY LEGEND

EXIT ACCESS TRAVEL DISTANCE

EXIT WIDTH PROVIDED

OCCUPANT LOAD AT EXIT

PORTABLE FIRE EXTINGUISHER

1 HOUR FIRE-RESISTANCE RATED WALL

SEMI-RECESSED FIRE EXTINGUISHER CABINET

NOTE:
G.C. PROVIDE 1 FIRE EXTINGUISHER PER 3,000 SF.
SEE ELECTRICAL FOR EXIT LIGHT LOCATIONS & FIRE ALARM.