

Life Safety Plan

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

Fire Rating Resistance Legend

1F 1F EXISTING 1 HR RATED FIRE BARRIER

Applicable Building Codes

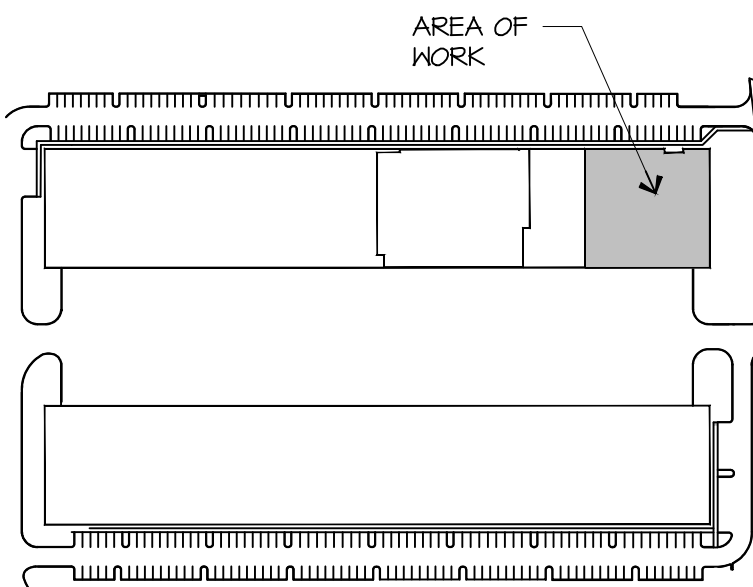
2020 FLORIDA BUILDING CODE 1st EDITION
2020 FLORIDA BUILDING CODE 1st EDITION - ACCESSIBILITY
2020 FLORIDA FIRE PREVENTION CODE 1st EDITION
2018 NFPA 101 LIFE SAFETY CODE
2018 NFPA 10 STANDARD FOR PORTABLE FIRE EXTINGUISHERS
2016 NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
2017 NFPA 70 NATIONAL ELECTRICAL CODE
2016 NFPA 72 NATIONAL FIRE ALARM CODE AND SIGNALING CODE
2015 NFPA 170 STANDARD FOR FIRE SAFETY & EMERGENCY SYMBOLS
2015 NFPA 88A STANDARD FOR PARKING STRUCTURES
ANSI AMERICAN NATIONAL STANDARDS INSTITUTE

Life Safety Legend

- EXIT TRAVEL DISTANCE & DIRECTION
- COMMON PATH & DIRECTION
- EXIT SEPARATION DISTANCE
- MEANS OF EGRESS WITH CLEAR INCHES INDICATED.
- EXIT SIGN
- NEW 2x4 LUMINARIES EMERGENCY LIGHTS, REFER TO ELEC. DWGS.
- SPRINKLER - REFER TO FIRE PROTECTION DRAWINGS FOR SPRINKLER LOCATIONS.
- F.E.C. FIRE EXTINGUISHER CABINET W/ FIRE EXTINGUISHER.

Building Code Analysis

BUILDING DATA			
OCCUPANCY - MIXED USE:	PER FBC: BUSINESS (B)	PER NFPA 101: BUSINESS	
	STORAGE(S-2)	STORAGE	
CONSTRUCTION TYPE:	TYPE IIB (PER FBC CHAPTER 6, TABLE 601)		
SPRINKLERED:	YES, EXISTING BUILDING IS FULLY SPRINKLERED.		
AREA OF WORK:	23,118 S.F.	OCCUPANCY SEPARATION: MIXED NON-SEPARATED OCCUPANCY PER FBC 2020 SECTION 508.3	
BUSINESS (B):	5,413 S.F.	DESIGN OCCUPANT LOAD (PER 1004.5 FBC):	TOTAL OCCUPANTS = 221 OCCUPANTS
KITCHEN:	5,516 S.F.	BUSINESS (B) - OFFICES = 150 S.F.:	5,413 S.F./150 = 40 OCCUPANTS
ASSEMBLY:	1,623 S.F.	KITCHEN = 200 S.F.:	5,516 S.F./200 = 28 OCCUPANTS
STORAGE (S-2):	9,946 S.F.	ASSEMBLY = 15 S.F.:	1,623 S.F./15 = 109 OCCUPANTS
		STORAGE (S-2) = 200 S.F.:	9,946 S.F./200 = 50 OCCUPANTS
EXIT CAPACITY PER 1005.3.2 FBC:	0.20 INCH OF WIDTH PER PERSON FOR LEVEL TRAVEL		
EXIT CAPACITY REQUIRED:	0.20 INCH X 221 OCCUPANTS = 45.4 INCHES		
EXIT CAPACITY PROVIDED:	4 EXITS X 34' = 136 INCHES, COMPLIES		
EXIT REQUIREMENTS			
TRAVEL DISTANCE:	ANY POINT IN ROOM TO EXIT MAX = 300 124'-0" COMPLIES		
EXIT SEPARATION MINIMUM:			
BUSINESS:	1/3 DIAGONAL DISTANCE (SPRINKLERED) = 162/3 = 54 FT.	63'-0" COMPLIES	
STORAGE:	1/3 DIAGONAL DISTANCE (SPRINKLERED) = 130/3 = 44 FT.	136'-0" COMPLIES	
PLUMBING FIXTURE CALCULATIONS - PER FBC-PLUMBING TABLE 403.1:			
OCCUPANT LOAD:			
BUSINESS:	40 OCCUPANTS / 2 = 20 MALE & 20 FEMALE		
KITCHEN:	28 OCCUPANTS / 2 = 14 MALE & 14 FEMALE		
ASSEMBLY:	109 OCCUPANTS / 2 = 55 MALE & 55 FEMALE		
SUB-TOTAL:	177 OCCUPANTS / 2 = 89 MALE & 89 FEMALE		
STORAGE:	50 OCCUPANTS / 2 = 25 MALE & 25 FEMALE		
TOTAL:	227 OCCUPANTS/2 = 114 MALE & 114 FEMALE		
WATER CLOSETS REQUIRED (OCCUPANT LOADS ROUNDED UP TO NEXT WHOLE NUMBER):	LAVATORIES REQUIRED:		
BUSINESS:	1 PER 25 FOR FIRST 50, 1 PER 50 FOR REMAINDER EXCEEDING 50	BUSINESS:	1 PER 40 FOR FIRST 80, 1 PER 80 FOR REMAINDER EXCEEDING 80
84 MALE = 2 WATER CLOSETS / 1 URINAL		84 MALE = 3 LAVATORY	
84 FEMALE = 3 WATER CLOSET		84 FEMALE = 3 LAVATORY	
TOTAL 5 WATER CLOSETS / 1 URINAL		TOTAL 6 LAVATORIES	
STORAGE:	1 PER 100 25 MALE = 1 WATER CLOSET 25 FEMALE = 1 WATER CLOSET TOTAL 2 WATER CLOSETS	STORAGE:	1 PER 100 25 MALE = 1 LAVATORY 25 FEMALE = 1 LAVATORY TOTAL 2 LAVATORIES
TOTAL WATER CLOSETS PROVIDED:	7 WATER CLOSETS, COMPLIES.	LAVATORIES PROVIDED:	22 LAVATORIES, COMPLIES.
TOTAL URINALS PROVIDED:	3 URINALS, COMPLIES		
DRINKING FOUNTAIN:			
BUSINESS:	1 PER 100		
STORAGE:	1 PER 100		
(1) HI-LO DRINKING FOUNTAIN PROVIDED			
SERVICE SINK:			
REQUIRED:	1 SINK		
PROVIDED:	1 MOP SINK		



Key Plan / Site Plan

NOT TO SCALE

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AAC 002226

Architecture
Planning
Interior Architecture

901
Northpoint Parkway
Suite 101
West Palm Beach
Florida 33407

Stephen Boruff AR007995

New Kitchen
Facility for



701 Boutwell Road
Lake Worth, FL 33461



Project No. 22046
24 February 2023
Bidding, Permit and
Construction

LS
1.0

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