CODE ANALYSIS

SCOPE OF WORK
THE SCOPE OF WORK INCLUDES A ONE STORY 1,000 G.S.F NON SPRINKLERED BUILDING OF TYPE 3B UNPROTECTED CONSTRUCTION. THE STRUCTURE IS COMPOSED OF LOADBEARING CMU BLOCK WALLS, WOOD TRUSSES AND WOOD RAFTERS. THE INTERIOR WALLS ARE CMU BLOCK AND INTERIOR LIGHT GAUGE METAL FRAMED WALLS. THE PROJECT INCLUDES MECHANICAL EQUIPMENT, PLUMBING, ELECTRICAL. THE TOTAL BUILIDNG HEIGHT MEASURED FROM FFE TO TOP OF ROOF IS 18'-3 1/2"

ABBREVIATIONS	
N/A	NOT APPLICABLE AS PART OF THIS PROJECT
AGP	ABOVE GRADE PLAN - STORY
FDVA	FIRE DEPARTMENT VEHICLE ACCESS
FSD	FIRE SEPARATION DISTANCE
AHJ	AUTHORITY HAVING JURISDICTION
OL	OCCUPANT LOAD

APPLICABLE CODES		
2023	(A)	FLORIDA BUILDING CODE - BUILDING, 8TH EDITION
2023	(B)	FLORIDA BUILDING CODE - EXISTING, 8TH EDITION
2023	(C)	FLORIDA BUILDING CODE - ACCESSIBILITY, 8TH EDITION
2023	(D)	FLORIDA BUILDING CODE - PLUMBING, 8TH EDITION
2023	(E)	FLORIDA BUILDING CODE - ENERGY, 8TH EDITION
2023	(F)	FLORIDA FIRE PREVENTION CODE, 8TH EDITION
2024	(G)	FLORIDA FIRE PREVENTION CODE - LIFE SAFETY, 2023 EDITION
2023	(H)	FLORIDA BUILDING CODE - MECHANICAL, 8TH EDITION
2023	(J)	NATIONAL ELECTRICAL CODE - NFPA 70
2023	(K)	FLORIDA BUILDING CODE - FUEL GAS, 8TH EDITION

ALTERATION LEVEL - (B) CH. 6
N/A

THRESHOLD BUILDING - (A) CH. 202
N/A

HIGH RISE BUILDING - (A) CH. 403
N/A

USE AND OCCUPANCY CLASSIFICATION - (A) CH. 3; (F) CH. 6		
PRIMARY OCCUPANCY: UTILITY AND MISCELLANEOUS GROUP U		
ACCESSORY OCCUPANCY	ADJACENCIES	FIRE SEPARATION - (A) TABLE 508.4, (F) TABLE 6.1.14.4.1
B	S-2	0 HR. *SEE EXCEPTION
S-2	B	1 HR. *SEE EXCEPTION

SPECIAL DETAILED REQUIREMENTS BASED ON USE & OCCUPANCY - (A) CH. 4
N/A

TYPES OF CONSTRUCTION - (A) CH. 6			
OCCUPANCY	CONST. TYPE	FIRE-RESISTANCE RATING FOR BUILDING ELEMENTS (TABLE 601)	TYPE 3-B
S-2	3B	PRIMARY STRUCTURAL FRAME	0
B	3B	BEARING WALLS EXTERIOR	2
		BEARING WALLS INTERIOR	0
		NONBEARING WALLS AND PARTITIONS EXTERIOR	0
		NONBEARING WALLS AND PARTITIONS INTERIOR	0
		FLOOR CONSTRUCTION AND SECONDARY MEMBERS	0
		ROOF CONSTRUCTION AND SECONDARY MEMBERS	0

FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE- (A) TABLE 602			
	S-2	B	
X>30'	0	0	

COLUMN PROTECTION - (A) CH. 704.2 : NA

PROTECTION OF THE PRIMARY STRUCTURAL FRAME OTHER THAN COLUMNS - (A) CH. 704.3 : NA

EXTERIOR STRUCTURAL MEMBERS - (A) CH. 704.10: NA

GENERAL BUILDING HEIGHTS AND AREAS - (A) CH. 5			
ALLOWABLE HEIGHT, STORIES, AND AREA :		3B, NON-SPRINKLERED	
OCCUPANCY	HEIGHT (FT) (A) TABLE 504.3	STORY (A) TABLE 504.4	AREA (SF) (A) 506.2
S-2	55'	3	26,600
B	55'	3	19,000
ACTUAL HEIGHT, STORIES AND AREA			
OCCUPANCY	HEIGHT (FT)	STORY	AREA (SF)
S-2	18'	1	154
B	18'	1	111

FIRE AND SMOKE PROTECTION FEATURES - (A) CH. 7		
EXTERIOR WALLS - (A) CH. 705		
	PROJECTIONS: SHALL NOT EXTEND CLOSER TO FSD THAN (A) TABLE 705.2:	NA
	FIRE-RESISTANCE RATINGS - (A) CH. 705.5:	NA
MAXIMUM AREA OF EXTERIOR WALL BASED ON FIRE SEPARATION DISTANCE (A) TABLE 705.8:		
	GREATER THAN 30' - NO LIMIT	
VERTICAL SEPARATION OF OPENINGS (A) CH. 705.8.5:		NA
FIRE WALLS (A) CH. 706:		NA
FIRE BARRIERS (A) CH. 707, (G) 8.3:		NA
FIRE PARTITIONS (A) CH. 708:		NA
SMOKE BARRIERS (A) CH. 709, (G) 8.5:		NA
SMOKE PARTITIONS (A) CH. 710, (G) 8.4:		NA
FLOOR AND ROOF ASSEMBLIES (A) CH. 711:		NA
VERTICAL OPENINGS (A) CH. 712, (G) 8.6:		NA
FIRE-RESISTANCE RATING OF SHAFTS (A) CH. 713.4, (G) 8.6.4:		NA
ELEVATOR LOBBIES (A) CH. 3006:		NA
CONCEALED SPACES (A) CH. 718:		NA
	FIREBLOCKING (A) CH. 718.2:	
	DRAFTSTOPPING IN FLOORS (A) CH. 718.3:	
	N/A - ONE STORY (NON-SPRINKLERED)	
	DRAFTSTOPPING IN ATTICS (A) CH. 718.4:	
	N/A - NO ATTICS	
FIRE AREAS (A) CH. 707.3.10: N/A		

INTERIOR FINISHES - (A) CH. 8				
INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY (TABLE 803.11)				
	OCCUPANCY	EXITING ELEMENTS	CORRIDORS	ROOM & ENCLOSED SPACES
	S	B	B	C
	B	A	B	C

FIRE PROTECTION SYSTEMS - (A) CH. 9 ; (B) CH. 703, 804, 904	
AUTOMATIC SPRINKLER SYSTEMS (A) CH. 903	
	N/A
PORTABLE FIRE EXTINGUISHERS - WHERE REQUIRED (A) 906.3.1 (G 13.6.1.2)	
	S - CLASS A, ORDINARY HAZARD
	B - CLASS A, ORDINARY HAZARD
CLASS A, ORDINARY HAZARD FIRE EXTINGUISHER REQUIREMENTS (A) 906.1	
	RATED: 2-A
	MAX. FLOOR AREA PER UNIT OF A = 1,500 SF
	MAX. FLOOR AREA FOR EXTINGUISHER = 11,250 SF
	MAX. TRAVEL DISTANCE = 75 FT
FIRE ALARM AND DETECTION SYSTEMS - WHERE REQUIRED (A) 907.2	
	GROUP B - OL> 100, DOES NOT CONTAIN AMBULATORY CARE FACILITY
	NOT INSTALLED PER IBC AND NFPA 72

MEANS OF EGRESS - (A) CH. 10; (G) CH. 7
OCCUPANT LOAD (A) TABLE 1004.5 (G) TABLE 7.3.1.2: SEE LIFE SAFETY PLAN, SHEET A-100 FOR FLOOR PLAN SHOWING OCCUPANT LOADS FOR EACH ROOM
MEANS OF EGRESS SIZING (A) CH. 1005: 0.3" x OL FOR STAIRS AND 0.2" x OL FOR OTHER EGRESS COMPONENTS. SEE LIFE SAFETY PLAN, SHEET A-100 FOR FLOOR PLAN SHOWING STAIRS AND EGRESS COMPONENTS AND WIDTH REQUIRED AND WIDTH PROVIDED.

MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE (A) TABLE 1006.2.1		
	S	75' (WITHOUT SPRINKLER SYSTEM)
	B	75' (WITHOUT SPRINKLER SYSTEM)

ACCESSIBLE MEANS OF EGRESS (A) CH. 1009 (C) 206.2.4
NEED (1) ACCESSIBLE MEANS OF EGRESS/SPACE MIN. OR (2) WHEN TWO EXITS ARE REQUIRED.

EXIT TRAVEL DISTANCE (A) TABLE 1017.2		
	S-2	300' (WITHOUT SPRINKLER SYSTEM)
	B	200' (WITHOUT SPRINKLER SYSTEM)

CORRIDOR FIRE-RESISTANCE RATING (A) TABLE 1020.2		
	S	N/A
	B	N/A

MINIMUM CORRIDOR WIDTH (A) TABLE 1020.3	
	ANY FACILITIES NOT LISTED BELOW - 44"

MEANS OF EGRESS - (A) CH. 10		
DEAD END TRAVEL DISTANCE (A) CH. 1020.5 ; (G) 12.2.5		
	S	20' (WITHOUT SPRINKLER SYSTEM)
	B	20' (WITHOUT SPRINKLER SYSTEM)

ACCESSIBILITY (C)	
SCOPING REQUIREMENTS (C) CH. 2	
	FACILITY AND SITE REQUIRED TO BE ACCESSIBLE
ACCESSIBLE ROUTE (C) CH. 206	
	206.2.1 SITE ARRIVAL POINTS: 1 REQUIRED
	206.2.2 CONNECTED SPACES: ALL SPACES ARE REQUIRED TO BE ACCESSIBLE AND CONNECTED BY AN ACCESSIBLE ROUTE
ACCESSIBLE ENTRANCES (C) CH. 206.4	
	206.4.1 PUBLIC ENTRANCES: AT LEAST 60% OF ALL PUBLIC ENTRANCES SHALL BE ACCESSIBLE
OTHER FEATURES AND FACILITIES (C) CH. 213	
	213.2, 213.2 TOILET AND BATHING FACILITIES: ONE TYPE OF EACH FIXTURE, ELEMENT, CONTROL OR DISPENSER SHALL BE ACCESSIBLE
	213.3.1 WATER CLOSET COMPARTMENT: ONE WC MUST BE ACCESSIBLE. IF WC + URINALS > 6, PROVIDE ONE AMBULATORY ACCESS WC
	213.3.4 LAVATORIES: AT LEAST 5%, BUT NOT LESS THAN ONE SHALL BE ACCESSIBLE
	212 KITCHENS AND KITCHENETTES: SHALL BE ACCESSIBLE

INTERIOR ENVIRONMENT (A) CH. 12		
VENTILATION (A) CH. 1203		
	1203.2 VENTILATION REQUIRED: THE NET FREE VENTILATING AREA SHALL BE NOT LESS THAN 1/150 OF THE AREA OF THE SPACE VENTILATED	
		EXCEPTION #1: 1/300 ALLOWED WHEN 50%-80% OF VENTING AREA IS 3' ABOVE EAVE VENT
		EXCEPTION #2: 1/300 ALLOWED WHEN CLASS I OR II VAPOR BARRIER PROVIDED

PLUMBING SYSTEMS (A) CH. 29								
MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES (A) TABLE 2902.1								
OCC. TYPE	OCC. LOAD	WATER CLOSETS		LAVATORIES		DF	SERVICE SINK	
		M	W	M	W			
S	M-2, W-2	2/100=0.02	2/100=0.02	2/100=0.02	2/100=0.02	2/1000=0.002	1	
B	M-1, W-1	1/25=0.008	1/25=0.008	1/40=0.025	1/40=0.025	2/100=0.02		
PARKING	M-16, W-16	16/25=0.64	16/25=0.64	16/40=0.40	16/40=0.40	32/100=0.32		
	TOTAL REQ.	0.668	0.668	0.445	0.445	0.342	1	
	PROVIDED	2 WC - 1 U	3	3	3	2	2	

FLOOR DRAINS (D) CH. 413 - REFER TO PLANS
INTERCEPTORS/SEPARATORS (D) CH. 1003:
GREASE - NR
OIL - NR
LAUNDRY - NR

THERMAL ENVELOPE (E) TABLE C402.1.3	
CLIMATE ZONE (E) TABLE C301.1	
OPAQUE THERMAL ENVELOPE REQUIREMENTS (E) TABLE C402.1.3	
	ROOF: R-30ci
	WALLS: R-5.7ci
	FLOORS: R-0
	SLAB ON GRADE FLOORS: NR
FENESTRATION THERMAL ENVELOPE REQUIREMENTS (E) TABLE C402.1.4	
	FIXED FENESTRATION: U-0.50
	OPERABLE FENESTRATION: U-0.65
	ENTRANCE DOORS: U-0.83
	SHGC: U-0.25

PROJECT LEAD & CIVIL ENGINEERING:
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301 EAST ATLANTIC BLVD.
POMPANO BEACH, FL 33060
PH: (954) 788-3400
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Florida Surveyor and Mapper Business License: LB6860
Florida Landscape Architecture Business License: LC26000457

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SGM ENGINEERING
5301 WATERFORD DISTRICT DR.
SUITE 750
954-421-1944
SGMENGINEERING.COM CA-00006208

REVISIONS

NO.	DESCRIPTION	DATE
	ISSUED FOR BUILDING PERMIT	11/21/2024

ISSUE DATE: 11/21/2024
DESIGNED BY:
DRAWN BY:
CHECKED BY:

STATE OF FLORIDA — NATALIA LIVIAN — AR97614 — REGISTERED ARCHITECT

Digitally signed by Natalia Livian
Date: 2024.11.20 16:00:17 -05'00'

NATALIA LIVIAN
AR 97614

CLIENT
VILLAGE OF PINECREST
PINECREST PARKS & RECREATION

PROJECT
GARY MATZNER PARK

SHEET TITLE
CODE ANALYSIS

SHEET NUMBER A-002

KEITH PROJECT NUMBER 13861.00

STATUS: CONSTRUCTION DOCUMENTS

Drawing name: P:\2347 Gary Matzner Park\06 PRODUCTION\01 BIM\CAD LUKS\2024.0711 - Clean Title Block Edited\KR-GMP-TTLBK.dwg

Plotted by: diego On —