CODE ANALYSIS

I. PROJECT INFORMATION:

NAME OF PROJECT: PRH MEDICAL OFFICE BUILDING

ADDRESS: NAPA WOODS WAY AND NAPA BLVD

NAPLES, FLORIDA

PROPOSED USE: MEDICAL OFFICE BUILDING

OWNER/CONTACT PERSON: ROBERT WHITE PHONE # 850.607.6069

II. GOVERNING CODES:

FLORIDA BUILDING CODE 6TH EDITION (2017) – BUILDING
FLORIDA BUILDING CODE 6TH EDITION (2017) – ACCESSIBILITY
FLORIDA BUILDING CODE 6TH EDITION (2017) – ENERGY CONSERVATION
FLORIDA BUILDING CODE 6TH EDITION (2017) – EXISTING BUILDING
FLORIDA BUILDING CODE 6TH EDITION (2017) – FUEL GAS
FLORIDA BUILDING CODE 6TH EDITION (2017) – MECHANICAL
FLORIDA BUILDING CODE 6TH EDITION (2017) – PLUMBING
FLORIDA BUILDING CODE 6TH EDITION (2017) – RESIDENTIAL
FLORIDA BUILDING CODE 6TH EDITION (2017) – TEST PROTOCOLS
FLORIDA FIRE PREVENTION CODE SIXTH EDITION (2017)
NATIONAL ELECTRICAL CODE (2014)

III. USE AND OCCUPANCY

	FBC
BUSINESS GROUP B – MEDICAL OFFICE BUILDING	SECT. 304

IV. CONSTRUCTION TYPE

	FBC
TYPE II–B, SPRINKLED	SECT. 602

V. BUILDING HEIGHT AND AREA

	ALLOWED	ACTUAL	FBC
A. HEIGHT, STORIES:	4 STORIES	4	TABLE 504.4
B. HEIGHT, FEET:	55 FT	62'–8" FT	TABLE 504.3
C. AREA, SF/FLOOR:	23,000 SF + AREA INCREASE		TABLE 506.2
AREA MODIFICATION = 23,000 + (23,000xIF) + (23,000xIS)			
(ALLOWABLE = 69,000SF)	1ST FLOOR	26,853 SF	
	2ND FLOOR	26,853 SF	
	3RD FLOOR	26,853 SF	
	4TH FLOOR	26,853 SF	
	TOTAL GROSS	107,412 SF	

VI. BUILDING PROTECTION

FIRE RESISTANCE RATING REQUIREMENTS:		FBC
A. STRUCTURAL FRAME:		
STRUCTURAL FRAME	0 HOUR	TABLE 601
B. BEARING WALLS:		
EXTERIOR	0 HOUR	TABLE 602
INTERIOR	0 HOUR	TABLE 601
C. NON–BEARING WALLS:		
EXTERIOR	0 HOUR	TABLE 602
INTERIOR	0 HOUR	TABLE 601
D. FLOOR CONSTRUCTION:	0 HOUR	TABLE 601
	SMOKE BARRIER	
E. ROOF CONSTRUCTION:		TABLE 601
F. CORRIDOR	0 HOUR	TABLE 1017.1
G. SHAFT ENCLOSURE (CONNECTING 4 STORIES OR MORE)		SECT. 713
CONNECTING 4 STORIES	2 HOUR	

(VI. BUILDING PROTECTION – CON'T)

		FBC
H. STAIR ENCLOSURE		SECT. 1023
CONNECTING 4 STORIES	2 HOUR	
I. INCIDENTAL USE AREAS:		T 508.2/S 508.2.2.1
ELECTRICAL ROOM (OVER 112.5 KVA ONLY)	1 HOUR	NEC 450.21(A & B)
ELECTRICAL ROOM (EMERGENCY SYSTEMS)	1 HOUR	NEC 700.9(D)(2)
J. DOOR AND SHUTTER PROTECTION RATINGS		TABLE 716.5
1 HOUR FIRE BARRIER IN SHAFT, EXIT ENCLOSURE, AND EXIT PASSAGE	1 HOUR DOOR	
1 HOUR FIRE BARRIER	3/4 HOUR DOOR	
1 HOUR FIRE PARTITION IN CORRIDOR WALL	20 MIN DOOR	
1 HOUR FIRE PARTITION	3/4 HOUR DOOR	
1 HOUR SMOKE BARRIER	20 MIN DOOR	
K. LIMITING SIZES OF GLASS PANELS		TABLE 716.5
1 HOUR FIRE PROTECTION RATING	AREA – 100 SQ. IN.	
	MAX. HEIGHT – 33 IN.	
	MAX. WIDTH – 10 IN.	
3/4 HOUR FIRE PROTECTION RATING	AREA – 1,296 SQ. IN.	
	MAX. HEIGHT – 54 IN.	
	MAX. WIDTH – 54 IN.	
20 MIN. FIRE PROTECTION RATING	UNLIMITED	

VII. BUILDING EGRESS

	FBC
A. EGRESS WIDTH PER OCCUPANT SERVED – SPRINKLER SYSTEM	SECT. 1005
1. STAIRWAYS = 0.3 INCHES PER OCCUPANT	
2. OTHER EGRESS COMPONENTS = 0.2 INCHES PER OCCUPANT	
B. ACCESSIBLE MEANS OF EGRESS – 2 MINIMUM	SECT. 1009
1. ELEVATOR REQUIRED AS ACCESSIBLE MEANS OF EGRESS IF FOUR OR MORE STORIES	SECT. 1009.4
C. MEANS OF EGRESS	
1. DOORS TO BE 32" CLEAR MINIMUM, 48" MAXIMUM	SECT. 1010.1.1
2. SWING IN THE DIRECTION OF TRAVEL SERVING SPACES OF 50 OR MORE OCCUPANTS	SECT. 1010.1.2
3. SPACE BETWEEN DOORS IN SERIES TO BE 48" MIN. PLUS WIDTH OF DOOR	SECT. 1010.1.8
D. STAIRWAY	
1. 44" MINIMUM WIDTH / 48" MINIMUM IF ACCESSIBLE	SECT. 1011.2
2. RISER HEIGHTS = 7" MAX. & 4" MIN. TREAD DEPTH 11" MIN.	SECT. 1011.5
3. MINIMUM HEADROOM – 6'–8"	SECT. 1011.3
E. EXIT ACCESS	
1. TRAVEL DISTANCE FROM MOST REMOTE POINT TO AN EXIT – 300 FT.	TABLE 1017.2
2. COMMON PATH OF EGRESS TRAVEL NOT TO EXCEED 100 FT.	TABLE 1006.2.1
3. LOCATE 2 EXITS NOT LESS THAN 1/3 LENGTH OF MAX OVERALL DIAGONAL DIM.	SECT. 1015.2.1(2)
F. CORRIDORS	
1. WIDTH – 44" MINIMUM	SECT. 1020.2
2. DEAD ENDS – 50 FT.	SECT. 1020.4

VIII. OCCUPANT LOAD

TOTAL OCCUPANCY LOAD FIRST FLOOR:	269 OCCUPANTS	TABLE 1004.1.2	
BUSINESS AREAS (100 GROSS)	269 OCCUPANTS		
EXIT UNITS PROVIDED FIRST FLOOR:	1,350 OCCUPANTS		
TOTAL OCCUPANCY LOAD SECOND FLOOR:	269 OCCUPANTS		
BUSINESS AREAS (100 GROSS)	269 OCCUPANTS		
EXIT UNITS PROVIDED SECOND FLOOR:	540 OCCUPANTS		
TOTAL OCCUPANCY LOAD THIRD FLOOR:	269 OCCUPANTS		
BUSINESS AREAS (100 GROSS)	269 OCCUPANTS		
EXIT UNITS PROVIDED THIRD FLOOR:	540 OCCUPANTS		
TOTAL OCCUPANCY LOAD FOURTH FLOOR:	269 OCCUPANTS		
BUSINESS AREAS (100 GROSS)	269 OCCUPANTS		
EXIT UNITS PROVIDED FOURTH FLOOR:	540 OCCUPANTS		

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STATE OF FLORIDA WILLIE D. STOKES NUMBER AR 0011111 REGISTERED ARCHITECT 11/12/19

PRH MEDICAL OFFICE BUILDING NAPLES, FLORIDA

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REVISIONS

NO	DATE	DESCRIPTION

CODE ANALYSIS

G0.01

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