LIFE-SAFETY INFORMATION

APPLICABLE CODES		
NFPA 101 LIFE-SAFETY CODE 2015		
STORAGE S-2 (CHAPTER 42) & LODGING & ROOMING (CHAPTER 26); CONSTRUCTION TYPE V B		
MIXED OCCUPANCIES	(REFERENCE CHAPTER 6)	
OCCUPANT LOAD FACTOR	(REFERENCE TABLE 7.3.1.2)	
LODGING & ROOMING 2561 S.F.	200 SF GROSS / OCCUPANT =	13 OCCUPANTS
STORAGE S-2 2,000 S.F.	500 SF GROSS / OCCUPANT =	4 OCCUPANTS
TOTAL OCCUPANTS = 104 OCCUPANTS		
CLASSIFICATION OF HAZARD OF CONTENTS		
(REFERENCE: OCCUPANCY CHAPTER AND 6.2.2; SPECIFY LOW, ORDINARY, OR HIGH)		LOW HAZARD
CONSTRUCTION TYPE(S)	(REFERENCE: CHAPTER 8, TABLE A.8.2.1.2 AND COMMENTARY TABLE 8.1 IN HANDBOOK)	
B (200)		
FIRE SEPARATION BETWEEN ASSEMBLY AND STORAGE : 2 HRs (TABLE 6.1.14.4.1(a))		
MINIMUM EXIT SEPARATION DISTANCE FOR REMOTELY LOCATED EXITS		
(REFERENCE: SECTION 7.5; SPECIFY 1/2 OR 1/3 DIAGONAL DISTANCE OF AREA SERVED)		
1/2 DIAGONAL ASSEMBLY= 64 FT / 2 = 32.0 FT	SECTION 42.2.4.1 LOW AND ORDINARY HAZARD STORAGE OCCUPANCIES & SECTION 38.2.4.2 FOR BUSINESS ALLOWS FOR SINGLE MEANS OF EGRESS	
MAXIMUM DEAD-END CORRIDORS	(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)	20 (ASSEM.) & 50 (STOR.)
MAXIMUM COMMON PATH OF TRAVEL DISTANCE	(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)	75 (ASSEM.) & 50 (STOR)
MAXIMUM TRAVEL DISTANCE TO EXITS	(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)	200 (ASSEM) & 200 (STOR)
EXTINGUISHMENT REQUIREMENTS	SPRINKLER (NOT REQUIRED)	
DETECTION, ALARM, AND COMMUNICATION SYSTEMS	REQUIRED (12.3.4.4 - 42.3.4.4)	
ALLOWABLE HEIGHT AND BUILDING AREA	PER IBC EQUIVALENT CONSTRUCTION TYPE	

BUILDING CODE

APPLICABLE CODES			
IBC 2015			
OCCUPANCY ; STORAGE S-2 - RESIDENTIAL R-2 ; MIXED OCCUPANCIES		(IBC 2015 CHAPTER 10)	
OCCUPANT CALCULATIONS	SQUARE FOOTAGE	(TABLE 1004.1.2)	
RESIDENTIAL GROUP R-2	2561 S.F.	200 GROSS	13 OCCUPANTS
STORAGE GROUP S-2	2,000 S.F.	500 GROSS	4 OCCUPANTS
TOTAL OCCUPANTS			17 OCCUPANTS
CONSTRUCTION TYPE(S)		CHAPTER 6	
V B (TALE 601)			
FIRE SEPARATION BETWEEN ASSEMBLY AND STORAGE (S2) = 3 HOUR (IBC 2015 TABLE 508.4)			
ALOWABLE HEIGHT AND BUILDING AREA LIMITED BY TYPE OF CONSTRUCTION			
MAXIMUM HEIGHT IN FEET (SECTION 503 & 504, TABLE 504.3)		NON-SPRINKLED	40
MAXIMUM NUMBER OF STORIES (SECTION 503 & 504, TABLE 504.4)		NON-SPRINKLED	2
MAXIMUM AREA IN SQUARE FEET (SECTION 503, 506 & 507, TABLE 506.2)		NON-SPRINKLED	7,000 S.F.

WIND SPEED DESIGN REQUIREMENTS

THIS BUILDING SHALL BE DESIGNED WITH IBC SEC 1609 AS A FULLY ENCLOSED BLDG USING THE FOLLOWING INFORMATION:

WIND DESIGN DATA:

DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC 1609.3 (1), (2), OR (3) DEPENDING ON THE RISK CATEGORY

WIND SPEED Vult =		143 MPH (IBC FIG 1609.3(1))	
NOMINAL DESIGN WIND SPEED Vasd =		111 MPH (Vult x $(0.6)^{\frac{1}{2}}$)	
RISK CATEGORY:	CATEGORY II BLDS	SURFACE ROUGHNESS =	B
TOPOGRAPHIC FACTOR =	1	EXPOSURE =	C
INTERNAL PRESSURE COEFFICIENT (ASCE 7-10 TABLE 26.11-1):		± 0.18	

LIVE LOADS (IBC SEC 1607)

STORAGE WAREHOUSE, LIGHT DUTY (IBC TABLE 1607.1):	125 PSF
OFFICE LOBBIES & CORRIDORS 1ST FLOOR	100 PSF
OFFICES (IBC TABLE 1607.1):	50 PSF
ROOF LIVE LOADS (IBC TABLE 1607.1):	20 PSF UNIFORM, 300 LB CONCENTRATED

SNOW LOADS (IBC SEC 1608):

GROUND SNOW LOAD (IBC FIG 1608.2):	5 PSF

FLOOD ZONE INFORMATION

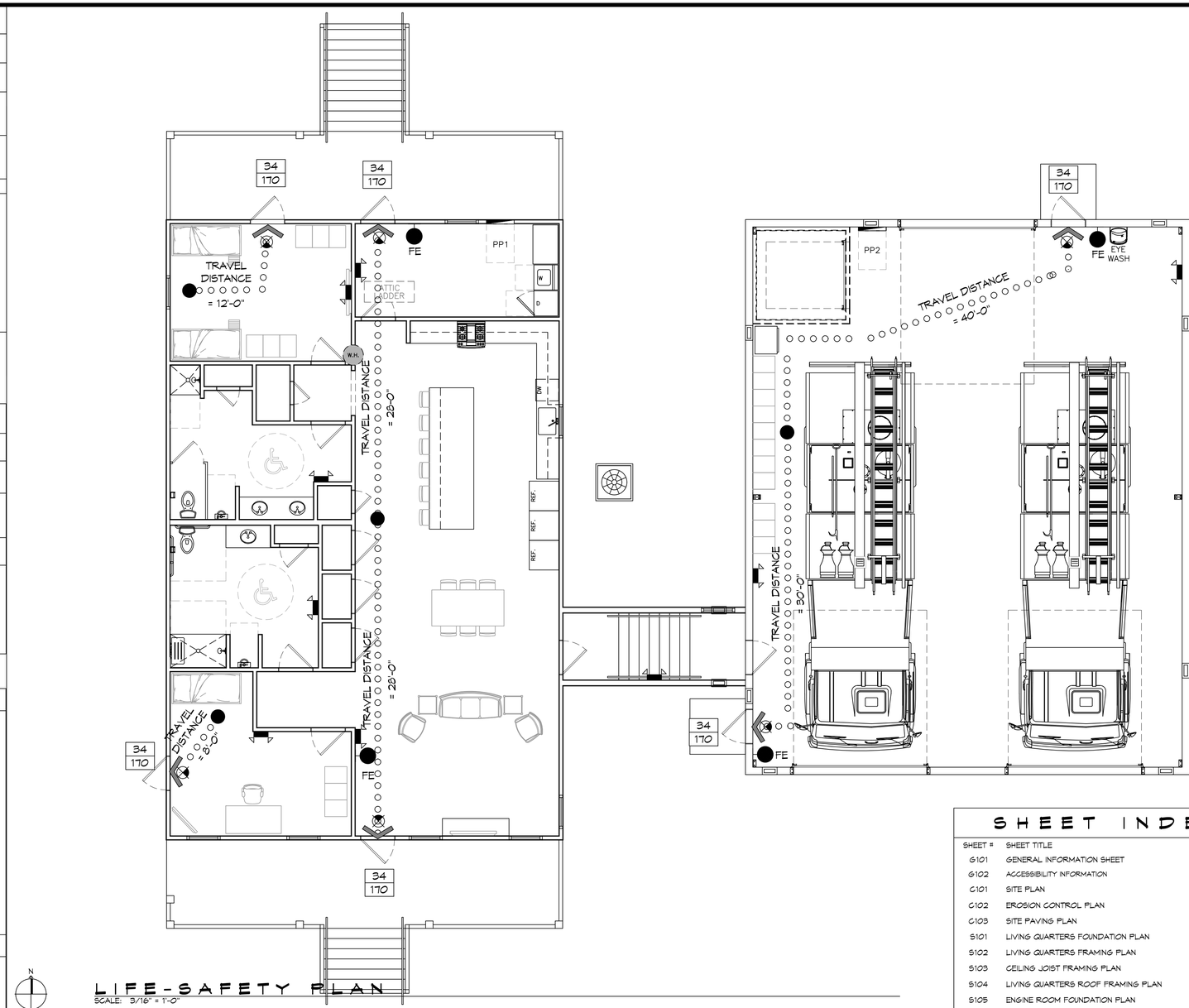
BASED ON THE SURVEY OF THIS PROPERTY BY J.V. BURKES AND ASSOCIATES, THIS PROPERTY IS IN FLOOD ZONE AE

FIRM, COMMUNITY NO. 225205 0440 D DATE: 04/21/1999

FLOOD ZONE:	AE	BASE FLOOD ELEVATION	13 FT

LIFE-SAFETY LEGEND

SYMBOL	DESCRIPTION
⟩	EXITS
(45)	DOOR FIRE RATING (MINUTES)
36 / 1.00	DOOR WIDTH/EGRESS CAPACITY
⊠	EXIT LIGHT
FE	FIRE EXTINGUISHER W/ WALL MTD BRACKET
———	COMMON PATH OF TRAVEL
○○○○○○○○○○	TRAVEL DISTANCE
●	DECISION POINT



LIFE-SAFETY PLAN

SCALE: 3/16" = 1'-0"

VICINITY MAP

GENERAL NOTES

1. ALL MATERIALS AND WORK, INCIDENTAL TO THE CONSTRUCTION OF THIS PROJECT, SHALL CONFORM TO ALL GOVERNING CODES, AND REGULATIONS OF AGENCIES IN AUTHORITY.
2. CONTRACTOR SHALL PROVIDE ALL PUBLIC PROTECTIONS NECESSARY AS REQUIRED BY LAW.
3. THE DRAWINGS AND ANY SUBSEQUENTLY ISSUED ADDENDA, AMENDMENTS OR SUCH CHANGE ORDERS APPROVED BY THE OWNER AND THE CONTRACTOR ARE PART OF THESE CONTRACT DOCUMENTS.
4. DO NOT SCALE DRAWINGS. CONSULT WITH THE ENGINEER REGARDING ANY ITEMS IN THE CONTRACT DOCUMENTS THAT REQUIRE CLARIFICATION.
6. TRASH SHALL BE REMOVED FROM THE SITE NOT LESS THAN TWICE MONTHLY.
7. THE GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES TO THE ARCHITECT.
8. CONTRACTOR VEHICLES AND EQUIPMENT NECESSARY FOR CONSTRUCTION MAY BE PARKED ON THE SITE. OTHER VEHICLES PARKED ON THE SITE REQUIRE THE OWNER'S PERMISSION.
9. ALL MATERIALS/EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. WORK NOT CONSISTENT WITH MANUFACTURER'S RECOMMENDATIONS WILL BE REJECTED BY OWNER/ARCHITECT.

SHEET INDEX

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S102	LIVING QUARTERS FRAMING PLAN
S103	CEILING JOIST FRAMING PLAN
S104	LIVING QUARTERS ROOF FRAMING PLAN
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S106	ENGINE BAY SECTION
S107	ADA RAMP
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E104	PANEL SCHEDULE AND ONE LINE DIAGRAM

DRAWINGS BY OTHERS

20210632	SITE DRAINAGE PLAN (BY J.V. BURKES & ASSOCIATES)
L5-1	LANDSCAPING PLAN (BY ALPHONSE BARCIA III)

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REVISIONS

#	DESCRIPTION	DATE

SEAL:

BRIAN A. MISTICH License No. 30187 PROFESSIONAL ENGINEER

ST. TAMMANY FIRE PROTECTION DISTRICT NO. 1

FIRE STATION 19

57041 ALLEN ROAD
SLIDELL, LOUISIANA 70461

DATE:	05-16-2022
JOB No:	2456
DRAWN BY:	CKD
CHECKED BY:	JMS

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SHEET TITLE:
GENERAL INFORMATION SHEET

DRAWING NUMBER:
G101

SHEET No: 1 of 30

File Name: J:\1 Drawings\1456 - Allen Road Fire Station 19\Drawings\Current Drawings\G101 - Cover Sheet.dwg Plotted: July 8, 2022 8:09:54 AM