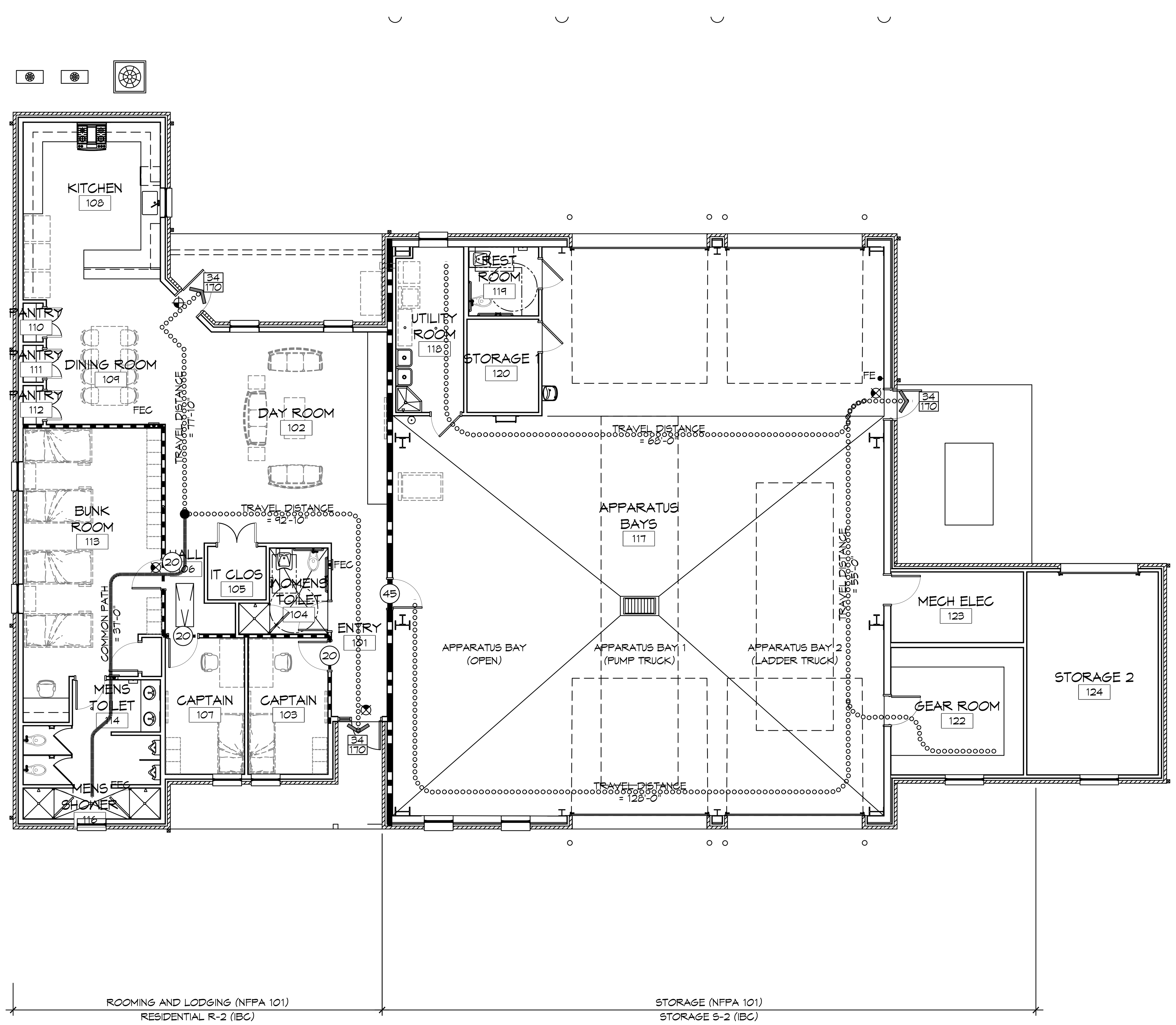
FILE NAME: J:\- Government\2519 - Fire Station #10\Drawings\Current Drawings\LS101-Life Safety & Building Code Information.dwg PLOT DATE & TIME: Wednesday, December 3, 2025 3:35:04 PM



1 LIFE-SAFETY PLAN
SCALE: 1/8" = 1'-0"

LIFE-SAFETY INFORMATION

APPLICABLE CODES

NFPA 101 LIFE-SAFETY CODE 2015

OCCUPANCY TYPE(S) AND CHAPTER(S)
ROOMING OR LODGING (CHAPTER 26)
BUSINESS (CHAPTER 38)
STORAGE (ORDINARY HAZARD) (CHAPTER 42)
MULTIPLE, MIXED, OR SEPARATE OCCUPANCY *(REFERENCE CHAPTER 6)*

CLASSIFICATION OF HAZARD OF CONTENTS

(REFERENCE: OCCUPANCY CHAPTER AND 6.2.2: SPECIFY LOW, ORDINARY, OR HIGH)

CONSTRUCTION TYPE(S) *(REFERENCE: CHAPTER8, TABLE A.8.2.1.2 AND COMMENTARY TABLE 8.1 IN HANDBOOK)*
V(000)

MINIMUM CONSTRUCTION REQUIREMENTS

(REFERENCE OCCUPANCY CHAPTER)

APPLICABLE DEFINITIONS

(REFERENCE: CHAPTER 2)
N/A

OCCUPANCY

OCCUPANCY LOAD CALCULATIONS *(REFERENCE: TABLE 7.3.1.2)*

OCC/FUNCTION OF SPACE	FLOOR AREA PER OCC (SF) X	ACTUAL SF	OCCUPANT LOAD
ROOMING & LODGING	200	2,624 SF	14
STORAGE (S-2)	500	3,902 SF	9
	TOTAL	6,526 SF	23

INCIDENTAL USE AREAS AND REQUIRED SEPARATION

ROOM OR AREA	SEPARATION
N/A	

MEANS OF EGRESS

NUMBER OF EXITS *(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)*
3

MINIMUM EXIT SEPARATION DISTANCE FOR REMOTELY LOCATED EXITS

(REFERENCE: SECTION 7.5; SPECIFY 1/2 OR 1/3 DIAGONAL DISTANCE OF AREA SERVED)
1/3 DIAGONAL = 38'-10"

MAXIMUM DEAD-END CORRIDORS

(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)

ROOMING & LODGING	NR
STORAGE	100

MAXIMUM COMMON PATH OF TRAVEL DISTANCE

(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)

ROOMING & LODGING	NR
STORAGE	100'

MAXIMUM TRAVEL DISTANCE TO EXITS

(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)

ROOMING & LODGING	NR
STORAGE	400'

CAPACITY OF MEANS OF EGRESS

(REFERENCE: 7.3 AND TABLE 7.3.3.1)

COMPONENT	OCCUPANT LOAD	X CAPACITY FACTOR	MINIMUM WIDTH
EXITS	23	0.2	5"

*MAIN ENTRANCE MUST BE SIGNED TO ACCOMODATE 1/2 OCCUPANT LOAD OF BUILDING

FIRE RESISTANCE RATING REQUIREMENTS

CHAPTER 8

EXTERIOR BEARING WALLS	(REFERENCE TABLE A.8.2.1.2	0 HOURS
INTERIOR BEARING WALLS	(REFERENCE TABLE A.8.2.1.2)	0 HOURS
COLUMNS	(REFERENCE TABLE A.8.2.1.2)	0 HOURS
BEAMS, GIRDERS, TRUSSES, AND ARCHES	(REFERENCE TABLE A.8.2.1.2)	0 HOURS
FLOOR-CEILING ASSEMBLIES	(REFERENCE TABLE A.8.2.1.2)	0 HOURS
ROOF-CEILING ASSEMBLIES	(REFERENCE TABLE A.8.2.1.2)	0 HOURS
INTERIOR NON-BEARING WALLS	(REFERENCE TABLE A.8.2.1.2)	0 HOURS
EXTERIOR NON-BEARING WALLS	(REFERENCE TABLE A.8.2.1.2)	0 HOURS
SHAFT ENCLOSURE	*(SECTION 8.6.5)*	0 HOURS
EXIT ENCLOSURE		1 HOUR

OPENING PROTECTIVES

(CHAPTER 8, TABLE 8.3.4.2)

COMPONENT	WALLS & PART FIRE RATING (HR)	**FIRE DOOR ASSEMBLIES**	FIRE WINDOW ASSEMBLIES (HR)
ELEVATOR	1 HR	1 HR	1 HR
STAIRWAYS	1 HR	1 HR	1 HR
SMOKE BARRIERS	1 HR	1/3 HR	1/3 HR
ADDITIONAL CODE REQUIREMENTS		*(OCCUPANCY CHAPTER 36)*	

EXTINGUISHMENT REQUIREMENTS		**SPRINKLER (REQUIRED)**
DETECTION, ALARM, AND COMMUNICATION SYSTEMS		YES
EMERGENCY LIGHTING		PER 38.2.6
EMERGENCY LIGHTING		PER 38.2.11.2
ALLOWABLE HEIGHT AND BUILDING AREA		PER IBC EQUIVALENT CONSTRUCTION TYPE
CONSTRUCTION TYPE (NFPA)		V(000)
CONSTRUCTION TYPE (IBC)		VB
MAXIMUM HEIGHT IN STORIES	*(REF: IBC TABLE 503)*	(R-2) 3 (S-2) 4
MAXIMUM HEIGHT IN FEET	*(REF: IBC TABLE 503)*	50 FEET
MAXIMUM AREA IN SQUARE FEET	*(REF: IBC TABLE 503)*	(R-2) 12,000 SF (S-2) 21,000 SF

LIFE-SAFETY LEGEND

SYMBOL	DESCRIPTION
〉	EXITS
(45)	DOOR FIRE RATING (MINUTES)
36/170	DOOR WIDTH/EGRESS CAPACITY
⊗	EXIT LIGHT
FEC	FIRE EXTINGUISHER AND CABINET - SEMI-RECESSED
FE	FIRE EXTINGUISHER W/ WALL MTD BRACKET
	COMMON PATH OF TRAVEL
○○○○○○○○○○	TOTAL TRAVEL DISTANCE
●	DECISION POINT
- - - - - -	SMOKE PARTITION
—— - ——	ONE-HOUR FIRE RATED PARTITION
—·· —·· —	TWO-HOUR FIRE RATED PARTITION
—— - - - ——	TWO-HOUR FIRE/SMOKE PARTITION
—— - - - - ——	FOUR-HOUR RATED PARTITION

BUILDING CODE INFORMATION

APPLICABLE CODES

IBC 2021

OCCUPANCY TYPE OF GROUP(S)

(IBC 2021 CHAPTER 13)
STORAGE (S-2)
RESIDENTIAL (R-2)

CONSTRUCTION TYPE(S)

(TABLE 503)
VB

ALOWABLE HEIGHT AND BUILDING AREA LIMITED BY TYPE OF CONSTRUCTION

MAXIMUM HEIGHT IN STORIES *(SECTION 503 & 504, TABLE 503)*	2
MAXIMUM AREA IN SQUARE FEET *(SECTION 503, 506 & 507, TABLE 503)*	(R-2) 12,000 SF (S-2) 21,000 SF

MIXED USED OCCUPANCY

SECTION 508
INCIDENTAL ACCESSORY OCCUPANCIES (HR) *(TABLE 508.2.5)*

ROOM OR AREA	SEPARATION
N/A	N/A

REQUIRED SEPARATION OR OCCUPANCIES (HR) *(TABLE 508.4)*
N/A

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS

CHAPTER 6, TABLE 601

STRUCTURAL FRAMES	0 HOURS
EXTERIOR BEARING WALLS	0 HOURS
INTERIOR BEARING WALLS	0 HOURS
EXTERIOR NON-BEARING WALLS	0 HOURS
INTERIOR NON-BEARING WALLS	0 HOURS
FLOOR CONSTRUCTION (INC SUPPORTING BEAMS & JOISTS)	0 HOURS
ROOF CONSTRUCTION (INC SUPPORTING BEAMS & JOISTS)	0 HOURS
FIRE-RESISTANCE RATING FOR EXT WALLS BASED ON FIRE-SEPARATION DISTANCE *(TABLE 602)*	0 HOURS

MAXIMUM AREA OF EXTERIOR WALL OPENINGS

TABLE 705.8

NOTES ON SPECIFIC, PERTINENT PLAN ISSUES

N/A

FIRE WALLS

SECTION 706, TABLE 706.4
REQUIRED? NO
IF YES THEN NOTE REQUIRED RATING

FIRE BARRIERS

SECTION 707

SHAFT ENCLOSURE(S) - NOT REQUIRED RATING (SECTION 708.4)	NO PER 708.2.7.1
EXIT ENCLOSURE - NOTE REQUIRED RATING *(SECTION 1022.1)*	1 HOUR
EXIT PASSAGEWAY - NOTE REQUIRED RATING *(SECTION1023.3)*	1 HOUR
HORIZONTAL EXIT - NOTE REQUIRED RATING *(SECTION 1025.1)*	2 HOURS
ATRIUMS - NOTE REQUIRED RATING *(SECTION 404.6)*	N/A
SEPARATION FROM STAGE *(SECTION 410.5)*	N/A

OCCUPANT LOADS

IBC 2009. SECTION 1004, TABLE 1004.1.1)

OCCUPANCY/FUNCTION SPACE	FOOR AREA/OCCUPANT (SF)	OCCUPANT LOAD
R-2	2,541 SF /200 SF PER OCCUPANT	13 OCCUPANTS
S-2	3,715 SF /200 SF PER OCCUPANT	19 OCCUPANTS
	TOTAL	32

EXIT REQUIREMENTS

(IBC 2012 SECTION 1005)
NUMBER OF ACCESSIBLE MEANS OF EGRESS REQUIRED PER FLOOR *(TABLE 1015.1 & 1021.1)*

FLOOR	# MEANS OF EGRESS REQUIRED
R-2	2
S-2	1

TOTAL WIDTH OF EXITS

(OCCUPANT LOAD/# OF MEANS OF EGRESS) X (FACTOR IN SECTION 1005)

OCCUPANT LOAD	# OF EXITS PROVIDED	MULTIPLIER *(SECTION 1005.1)*	MINIMUM EXIT WIDTH (INCHES)
13	2	0.2	5.1
19	1	0.2	3.71500
MAXIMUM EXIT ACCESS TRAVEL DISTANCE		*(TABLE 1016.1)*	250'
MINIMUM CORRIDOR WIDTH		*(SECTION 1018.1 & 1005.1)*	44"
MAXIMUM DEAD END CORRIDOR		*(SECTION 1018.4)*	50'
MAXIMUM COMMON PATH OF TRAVEL		*(SECTION 1014.3)*	100'

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 (A), (B), OR (C) DEPENDING ON THE RISK CATEGORY

BASIC WIND SPEED (3 SECOND GUST) =		140 MPH (FIG 1609)	
RISK FACTOR:	CATEGORY II BLDG	SURFACE ROUGHNESS =	C
TOPOGRAPHIC FACTOR =	1		
DESIGN WIND PRESSURE (ASCE 7-10):		33.6 PSF	
INTERNAL PRESSURE COEFFICIENT (ASCE 7-10:		± 0.18	

LIVE LOADS (SEC 1607)

ASSEMBLY AREA W/ MOVEABLE SEATS (TABLE 1607.1):	100 PSF
OFFICE (TABLE 1607.1.):	50 PSF
ROOF LIVE LOADS (TABLE 1607.1):	20 PSF UNIFORM, 300 LB CONCENTRATED
SNOW LOADS (TABLE 1608):	
GROUND SNOW LOAD (FIG 1608.2):	5 PSF

CONTRACTOR NOTE:

EACH CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION OF THE MAIN WIND-FORCE-RESISTING COMPONENT SYSTEM OF THIS BUILDING. EACH CONTRACTOR SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER PRIOR TO COMMENCEMENT OF WORK THAT THE CONTRACTOR SHALL PROVIDE PERIODIC INSPECTIONS AS REQUIRED BY SEC 1705.

FLOOD ZONE INFORMATION

BASED ON THE SURVEY OF THIS PROPERTY BY J.V. BURKES AND ASSOCIATES, INC. THIS PROPERTY IS IN A SPECIAL FLOOD HAZARD AREA. F.I.R.M. COMMUNITY MAP NO 220205 0535 D; REVISED 04/02/1991

FLOOD ZONE:	AH	BASE FLOOD ELEVATION	1.0 NGVD

ELEVATIONS REFER TO NGVD 1929 DATUM

DAMMON ENGINEERING, INC.
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PH: 985.649.5832
Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458

#	DESCRIPTION	DATE

REVISIONS

SEAL:

NEW FIRE STATION #10
ST. TAMMANY FIRE PROTECTION DISTRICT NO. 1
2745 LAKESHORE VISTA BLVD
SLIDELL, LA 70461

JOB No:	2519	DATE:	12-03-2025
DRAWN BY:	CKD	CHECKED BY:	JMS

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SHEET TITLE:
LIFE-SAFETY AND BUILDING CODE INFORMATION

DRAWING NUMBER:
LS101