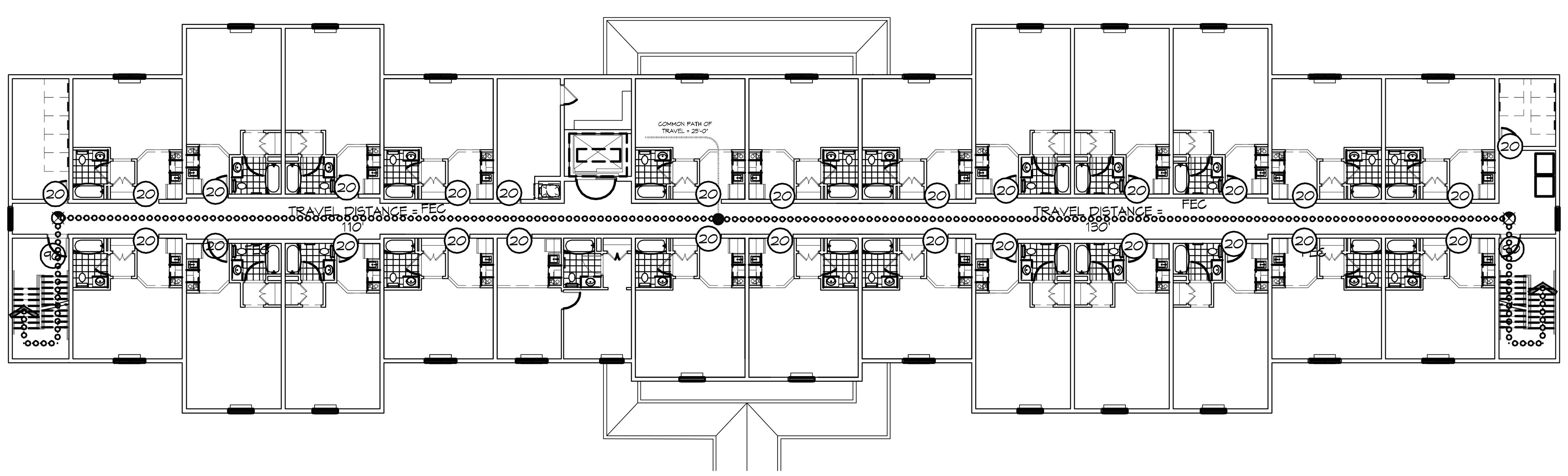
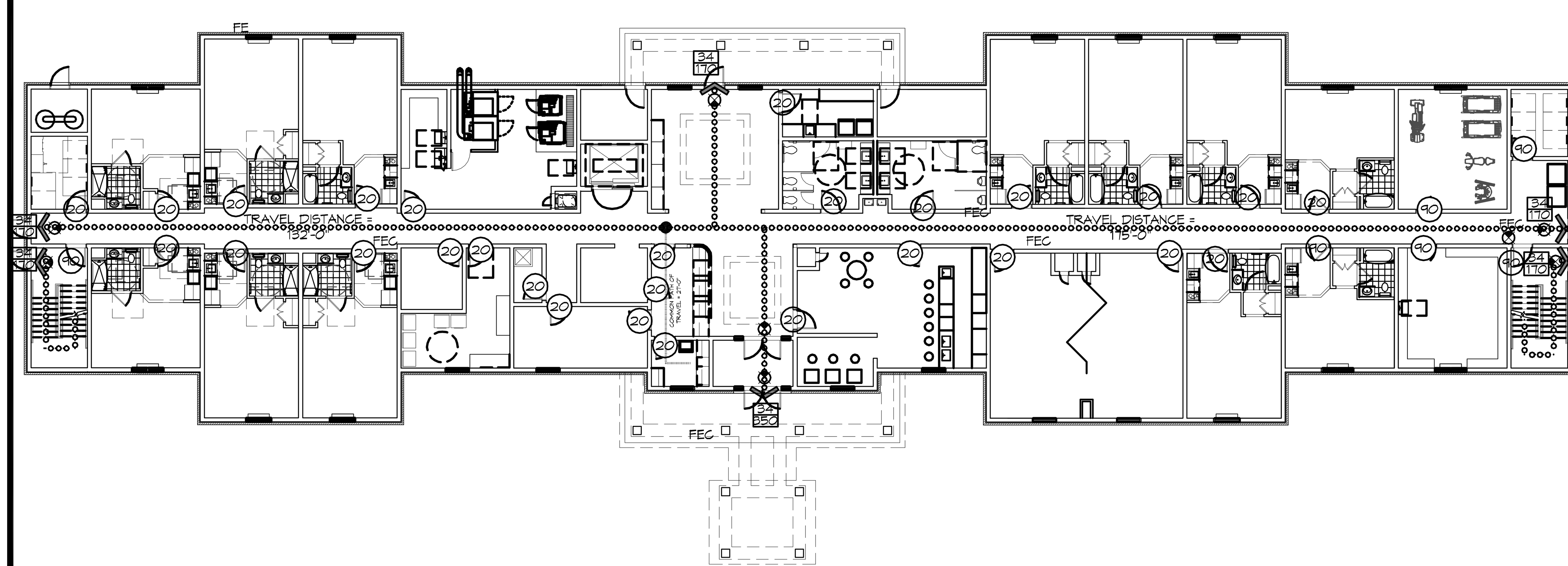
FILE NAME: J:\- Hotels-Motels\2265 - Mainstay Hotel - Hackberry Louisiana\Drawings\Current Drawings\LS101-Life Safety & Building Code Information.dwg PLOT DATE & TIME: Monday, February 01, 2016 9:12:21 AM



2 LIFE-SAFETY PLAN-LEVELS 2&3
SCALE: 1/16" = 1'-0"



1 LIFE-SAFETY PLAN-LEVEL 1
SCALE: 1/16" = 1'-0"

LIFE-SAFETY INFORMATION

APPLICABLE CODES
NFPA 101 LIFE-SAFETY CODE 2012
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)	ACTUAL SF	OCCUPANT LOAD
	X		
ROOMING & LODGING	200	39,504 SF	199

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

MAXIMUM COMMON PATH OF TRAVEL DISTANCE — *(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)*
ROOMING & LODGING — NR

MAXIMUM TRAVEL DISTANCE TO EXITS — *(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)*
ROOMING & LODGING — NR

CAPACITY OF MEANS OF EGRESS — *(REFERENCE: 7.3 AND TABLE 7.3.3.1)*

COMPONENT	OCCUPANT LOAD	X CAPACITY FACTOR	MINIMUM WIDTH
EXITS	199	0.2	40"

*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 HOUR
INTERIOR BEARING WALLS	*(REFERENCE TABLE A.8.2.1.2)*	1 HOUR
COLUMNS	*(REFERENCE TABLE A.8.2.1.2)*	1 HOUR
BEAMS, GIRDERS, TRUSSES, AND ARCHES	*(REFERENCE TABLE A.8.2.1.2)*	1 HOUR
FLOOR-CEILING ASSEMBLIES	*(REFERENCE TABLE A.8.2.1.2)*	1 HOUR
ROOF-CEILING ASSEMBLIES	*(REFERENCE TABLE A.8.2.1.2)*	1 HOUR
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	*(REFERENCE SECTION 8.6.5)*	2 HOURS
EXIT ENCLOSURE	*(REF SECTION 7.1.3.2.1)*	1 HOUR

OPENING PROTECTIVES — *(CHAPTER 8, TABLE 8.3.4.2)*

COMPONENT	WALLS & PART FIRE RATING (HOURS)	FIRE DOOR ASSEMBLIES	FIRE WINDOW ASSEMBLIES (HOURS)
ELEVATOR HOISTWAYS	2 HOURS	1-1/2 HOUR	NOT PERMITTED
	1 HOUR	1 HOUR	NOT PERMITTED
VERTICAL SHAFTS (INCL STAIRWAYS, EXITS, AND CHUTES)	2 HOURS	1-1/2 HOUR	NOT PERMITTED
	1 HOUR	1 HOUR	NOT PERMITTED
FIRE BARRIERS	3 HOURS	3 HOURS	NOT PERMITTED
	2 HOURS	1-1/2 HOUR	NOT PERMITTED
	1 HOUR	3/4 HOUR	3/4 HOUR
	1/2 HOUR	1/3 HOUR	1/3 HOUR
SMOKE BARRIERS	1 HOUR	1/3 HOUR	1/3 HOUR
HORIZONTAL EXITS	2 HOURS	1-1/2 HOUR	NOT PERMITTED
EXIT ACCESS CORRIDORS	1 HOUR	1/3 HOUR	3/4 HOUR
	1/2 HOUR	1/3 HOUR	1/3 HOUR
SMOKE PARTITION	1/2 HOUR	1/3 HOUR	1/3 HOUR
ADDITIONAL CODE REQUIREMENTS	*(OCCUPANCY CHAPTER 28)*		

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(111)
CONSTRUCTION TYPE (IBC)	VA
MAXIMUM HEIGHT IN STORIES *(REF: IBC TABLE 503)*	(R-2) 4
MAXIMUM HEIGHT IN FEET *(REF: IBC TABLE 503)*	60 FEET
MAXIMUM AREA PER FLOOR IN SQUARE FEET *(REF: IBC TABLE 503) (REF: IBC SECTION 506.1)*	(R-2) 43,876 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
oooooooooo	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 2012

OCCUPANCY TYPE OF GROUP(S) — *(IBC 2012 CHAPTER 3)*
RESIDENTIAL (R-2)

CONSTRUCTION TYPE(S) — *(TABLE 503)*
VA

ALOWABLE HEIGHT AND BUILDING AREA LIMITED BY TYPE OF CONSTRUCTION
MAXIMUM HEIGHT IN STORIES *(SECTION 503 & 504, TABLE 503)* — 4 *(PER SECTION 506)*
MAXIMUM AREA PER FLOOR IN SQUARE FEET *(SECTION 503, 506 & 507, TABLE 503)* — (R-2) 24,000 SF/FLOOR

MIXED USED OCCUPANCY
SECTION 508
INCIDENTAL ACCESSORY OCCUPANCIES (HOURS) *(TABLE 508.2.5)*
ROOM OR AREA — SEPARATION
N/A — N/A
REQUIRED SEPARATION OR OCCUPANCIES (HOURS) *(TABLE 508.4)*
N/A

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS
CHAPTER 6, TABLE 601

STRUCTURAL FRAMES	1 HOUR
EXTERIOR BEARING WALLS	0 HOUR
INTERIOR BEARING WALLS	1 HOUR
EXTERIOR NON-BEARING WALLS	0 HOUR
INTERIOR NON-BEARING WALLS	0 HOURS
FLOOR CONSTRUCTION (INC SUPPORTING BEAMS & JOISTS)	1 HOUR
ROOF CONSTRUCTION (INC SUPPORTING BEAMS & JOISTS)	1 HOUR
FIRE-RESISTANCE RATING FOR EXT WALLS BASED ON FIRE-SEPARATION DISTANCE *(TABLE 602)*	1 HOUR

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) - 2 HOURS (SECTION 708.4)	
EXIT ENCLOSURE - NOTE REQUIRED RATING *(SECTION 1022.1)*	1 HOURS
EXIT PASSAGEWAY - NOTE REQUIRED RATING *(SECTION1023.3)*	1 HOUR
HORIZONTAL EXIT - NOTE REQUIRED RATING *(SECTION 1025.1)*	1 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	39,504 SF /200 SF PER OCCUPANT	198 OCCUPANTS
	TOTAL	198

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

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)
198	3	0.2	118.5

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)*	125'

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) = 150 MPH (FIG 1609)
RISK FACTOR: CATEGORY III BLDG — SURFACE ROUGHNESS = C
TOPOGRAPHIC FACTOR 1
DESIGN WIND PRESSURE (ASCE 7-10): 33.6 PSF
INTERNAL PRESSURE COEFFICENT (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 22023C0400H; REVISED 11/16/2012
FLOOD ZONE: AE — BASE FLOOD ELEVATION 9.0 NGVD
ELEVATIONS REFER TO NGVD 1929 DATUM

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REVISIONS		
#	DESCRIPTION	DATE

SEAL:

MAIN STAY SUITES
LOT #7 LA HWY 27
HACKBERRY, LA 70645

JOB No:	2265	DATE:	JANUARY, 2016
DRAWN BY:	KJK	CHECKED BY:	KJK

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SHEET TITLE: LIFE-SAFETY AND BUILDING CODE INFORMATION
DRAWING NUMBER: LS101