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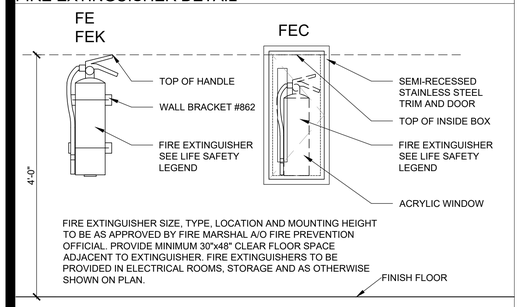
FIRE EXTINGUISHER DETAIL



FIRE EXTINGUISHER SIZE, TYPE, LOCATION AND MOUNTING HEIGHT TO BE AS APPROVED BY FIRE MARSHAL A/O FIRE PREVENTION OFFICIAL. PROVIDE MINIMUM 30"x48" CLEAR FLOOR SPACE ADJACENT TO EXTINGUISHER. FIRE EXTINGUISHERS TO BE PROVIDED IN ELECTRICAL ROOMS, STORAGE AND AS OTHERWISE SHOWN ON PLAN.

LIFE SAFETY LEGEND

- EMERGENCY EXIT
- EXIT SIGN
- X' — TOTAL TRAVEL DISTANCE
- X' — COMMON PATH OF TRAVEL
- FEK — NEW BRACKET MOUNTED KITCHEN RATED FIRE EXTINGUISHER 1.6 GALLONS (6L) . UL RATED 2-A:K (NCBC 906)
- FEC — RECESSED CABINET BRACKET MOUNTED FIRE EXTINGUISHER 10 LB. UL RATED 4A:80B:C (NCBC 906)
- ACCESSIBLE SEATING (NCBC 1109.11) MIN. 5% OF SEATING
- 80'-0" / REMOTENESS OF EXITS / 40'-0" / 1/2 THE DISTANCE
- LEVEL — LANDINGS ON THE EXTERIOR SIDE OF EGRESS DOORS AND GATES MUST BE AT THE SAME LEVEL AS THE INTERIOR SURFACE AND NOT SLOPE MORE THAN 2% IN ANY DIRECTION
- X' — DISTANCE TO FIRE EXSTINGUISHER
- L1EM — INTERIOR EMERGENCY LIGHTING
- L86 / L97 — EXTERIOR EMERGENCY LIGHTING

OCCUPANCY TABULATION

- 36" (MIN.) AISLE WIDTH N.C.B.C 1029.9.1.4 EXCEPTION 1 & 2
- DINING-TABLES & CHAIRS
- DINING-BOOTH SEATING
- KITCHEN AND B.O.H.
- STORAGE

ABBREVIATIONS

AOL = ACTUAL OCCUPANCY LOAD

CEW = CLEAR EXIT WIDTH

MOL = MAXIMUM OCCUPANCY LOAD

PH = PANIC HARDWARE

APPLICABLE CODES: ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH THE PROVISIONS OF THE SPECIFICATIONS AND DRAWINGS, AND SHALL SATISFY ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS OF ALL GOVERNING BODIES INVOLVED. ALL PERMITS AND LICENSES NECESSARY FOR THE PROPER EXECUTION OF THE WORK SHALL BE PROCURED AND PAID FOR BY THE CONTRACTOR INVOLVED. APPLICABLE CODES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

CODE

(2018) NORTH CAROLINA BUILDING CODE
(2018) NORTH CAROLINA FIRE PREVENTION CODE
(2018) NORTH CAROLINA BUILDING CODE - MECHANICAL CODE
(2018) NORTH CAROLINA BUILDING CODE - PLUMBING CODE
(2018) NORTH CAROLINA BUILDING CODE - FUEL/GAS
(2020) NEC NFPA 70 NATIONAL ELECTRICAL CODE
(2018) NORTH CAROLINA BUILDING CODE - ENERGY CONSERVATION CODE
(2018) NORTH CAROLINA BUILDING CODE - (ACCESSIBILITY) CHAPTER 11 & ICC A117.1-2009

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DINING AREA	1,202 S.F.
BOH (BACK OF HOUSE) AREA	1,467 S.F.
EMPLOYEES	3 EMPLOYEES / SHIFT (2 SHIFTS PER DAY)
INDOOR SEATING	46
OUTDOOR SEATING	N/A

OCCUPANT LOAD CALCULATION

DINING - TABLES AND CHAIRS	1,000 SQ. FT. / (15 / NET SQ. FT.) =	67
DINING-BOOTH SEATING	617 IN. / (24 IN.) =	26
KITCHEN AND B.O.H.	780 SQ. FT. / (200 / GROSS SQ. FT.) =	04
STORAGE	606 SQ. FT. / (300 / GROSS SQ. FT.) =	03
	TOTAL =	**100**
OUTDOOR DINING	N/A	0
	TOTAL OCCUPANT LOAD =	**100**

PLUMBING FIXTURES (TABLE 403.1 NCBC)

TYPE OF OCCUPANCY	WATER CLOSET		LAVATORY	
	MALE	FEMALE	MALE	FEMALE
RESTAURANT (A-2)	1 PER 75	1 PER 75	1 PER 200	1 PER 200
REQUIRED	1	1	1	1
PROVIDED	1	1	1	1
TOTAL OCCUPANCY = 100	**MALE = 50**		**FEMALE = 50**	

BUILDING CODE ANALYSIS

OCCUPANCY CLASSIFICATION	GROUP A-2 (ASSEMBLY)
TYPE OF CONSTRUCTION	V-B
FIRE SPRINKLER	NO SPRINKLER

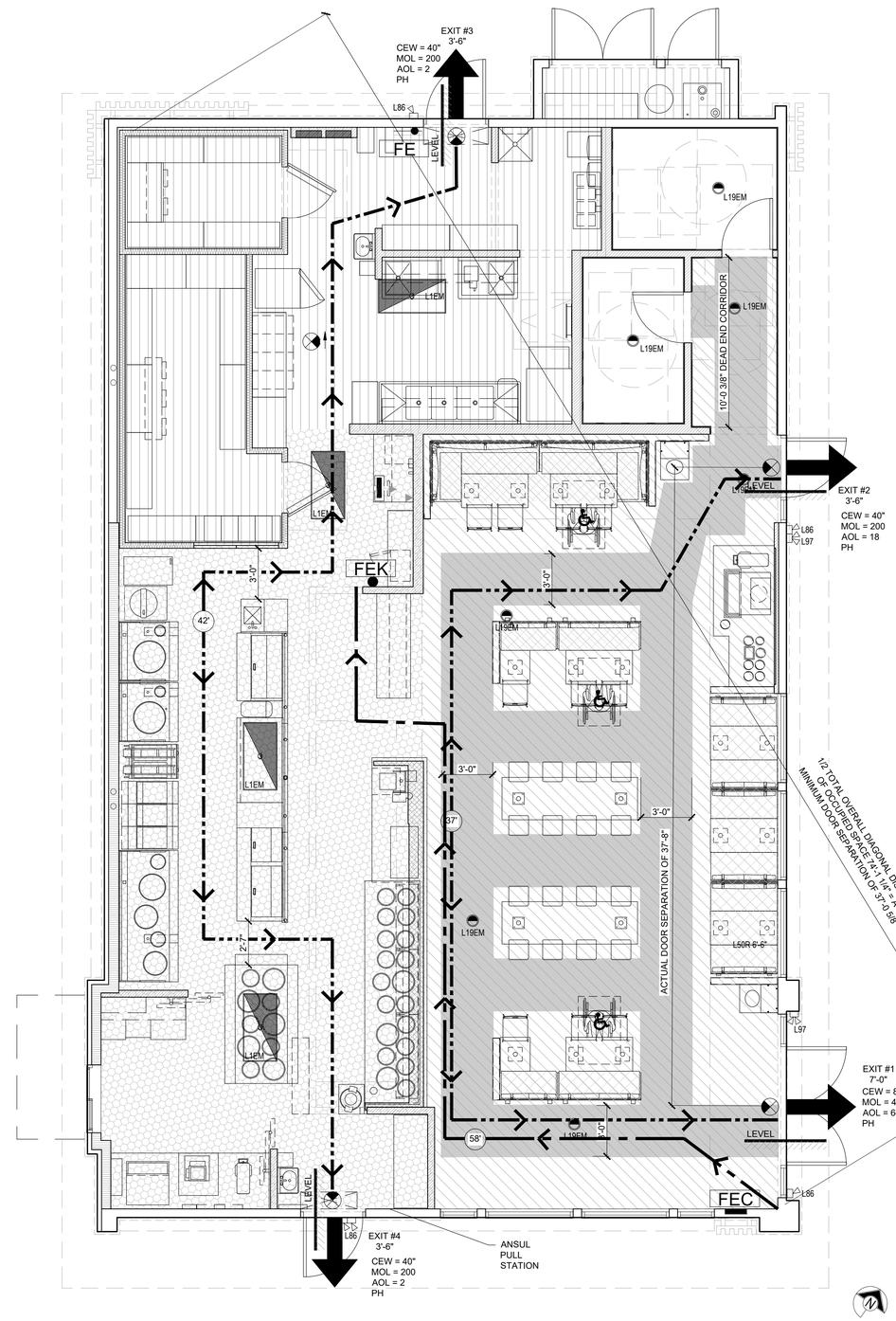
	PROVIDED	REQUIRED / ALLOWED
HEIGHT	23'-3"	40'-0"
STORY	1	1
BUILDING AREA	2,600 SQ. FT.	6,000 SQ.FT.
OCCUPANT LOAD	100	-
EXITS REQUIRED	4	2
EGRESS WIDTH	120"	100 X 0.2 = 20"
EXIT ACCESS TRAVEL DISTANCE	42'-0"	200'-0"
COMMON PATH OF TRAVEL	N/A	75'-0"
DEAD END CORRIDORS	10'-0 3/8"	20'-0"
ACCESSIBLE SEATING - INTERIOR	3	46 X 0.05 = 3 REQUIRED
ACCESSIBLE SEATING - OUTDOOR	N/A	N/A

FIRE ALARM REQUIREMENT (NCBC 907.2.1)

OCCUPANCY	REQUIRED	FLOORS
ASSEMBLY <300	NO	1

CODE ANALYSIS 2
Scale= NTS A-001

REFER TO CIVIL SITE PLAN FOR ORIENTATION OF BUILDING ON SITE



LIFE SAFETY PLAN 1
Scale= 1/4" = 1'-0" A-001

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REVISIONS:

ISSUE DATE:

CHECK SET	04-20-23
BID/PERMIT SET	06-01-23

DRAWN BY: BDG

PANDA PROJECT #: D24956
PANDA STORE #: TBD
ARCH PROJECT #: 239201

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A-001

LIFE SAFETY PLAN

PANDA HOME 2600 R3