

BUILDING USE AND CONSTRUCTION CLASSIFICATION		
BUILDING USE AND CONSTRUCTION CLASSIFICATION	LIFE SAFETY CODE REFERENCE	IBC REFERENCE
USE GROUPS (MIXED - SEPARATED)	BUSINESS (38.1.1) with LOCKUP (22.4.5.1.4) MIXED USE-SEPERATED ASSEMBLY (12.1.1)	B-BUSINESS (304.1) with accessory A-3 ASSEMBLY (303.1) MIXED USE-SEPERATED (508.3.3) with I-3 Condition 5 (308.5.5)
CONSTRUCTION TYPE	I-000 (TABLE A-6.2.1.2) FULLY SPRINKLERED	IB (TABLE 503 AND 601) FULLY SPRINKLERED (B Occupancy) 75' 4 STORIES (TABLE 503 AND 504.2) / (I-3 Occupancy) 75' 2 STORIES
ALLOWABLE BUILDING HEIGHT ACTUAL BUILDING HEIGHT ALLOWABLE BUILDING AREA		30'-0" - 1 STORY - COMPLIANT (B Occupancy) 23,000 GSF + 300% SPRINKLER INCREASE (506.3) = 92,000 GSF / (I-3 Occupancy) 10,000 GSF + 300% SPRINKLER INCREASE (506.3) = 40,000 GSF
ACTUAL BUILDING AREA (PER IBC 202)		FIRST FLOOR AREA - (B Occupancy) 21,193 GSF + (I-3 Occupancy) 3,080 GSF FIRST FLOOR ALLOWABLE AREA (508.3.3.2) - (21,193 / 92,000) + (3,080 / 40,000) = 0.30 < 1.0 - COMPLIANT HOLDING CELLS ARE FOR TEMPORARY HOLDING - LESS THAN 24 HRS PER DAY
	LOCKUP REQUIREMENTS TO COMPLY WITH 22.4.5.1.4 & 22.4.5.1.6	

TRAVEL DISTANCE LIMITS			
TRAVEL DISTANCE LIMITS		LIFE SAFETY	IBC
MAXIMUM TRAVEL DISTANCE LIMIT TO AN EXIT OR EXIT ACCESS DOOR	300' (B) (TABLE A.7.6)		300' (B) (TABLE 1016.1)
MAXIMUM COMMON PATH OF TRAVEL LIMIT	100' (TABLE A.7.6)		100' (1014.3 EXCEPTION 1)
MAXIMUM DEAD END CORRIDOR LIMIT	50' (TABLE A.7.6)		50' (1017.3 EXCEPTION 2)

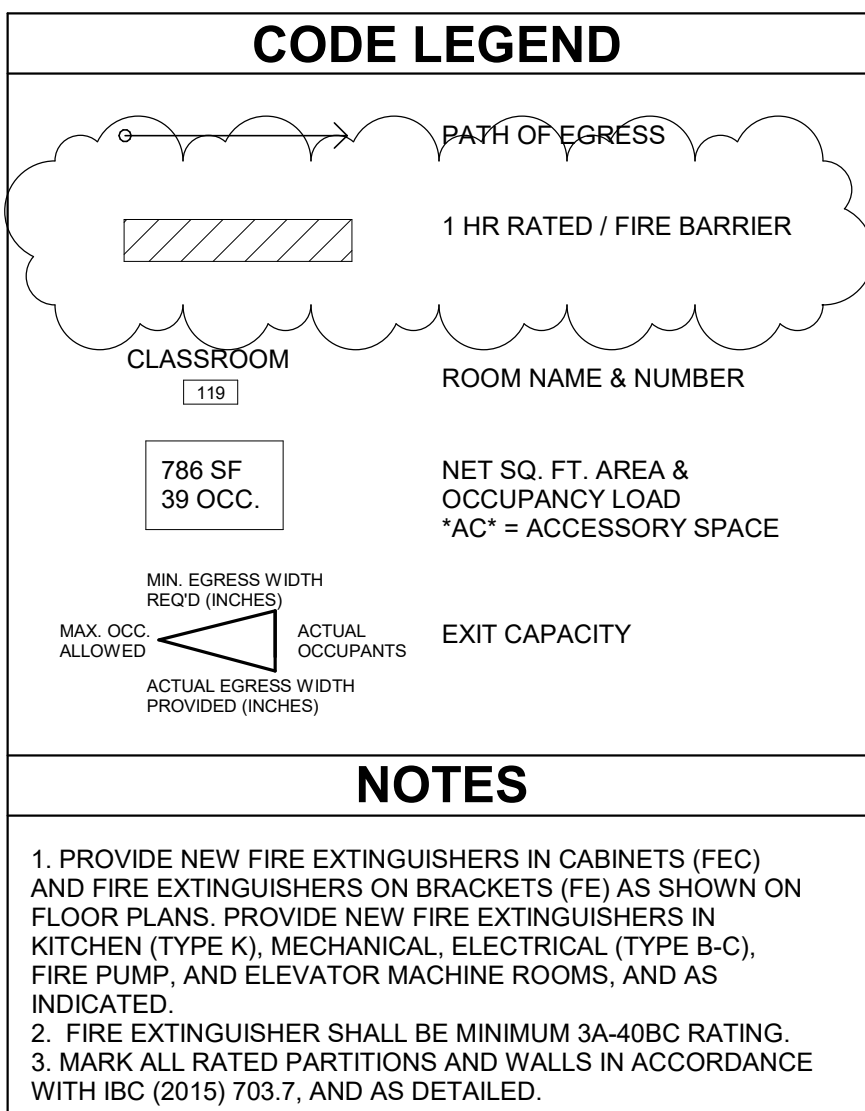
MINIMUM INTERIOR FINISH REQUIREMENTS		
MINIMUM INTERIOR FINISH REQUIREMENTS	LIFE SAFETY	IBC
CORRIDORS & LOBBIES - WALLS	CLASS C (38.3.3.2(2) TABLE A.10.2.2 WITH NOTE 6)	CLASS C (TABLE 803.5)
CORRIDORS & LOBBIES - FLOORS	N/A (TABLE A.10.2.2 WITH NOTE 6)	DOC FF-1 (804.4.1)
ROOMS & ENCLOSED SPACES - WALLS	CLASS C (38.3.3.2(2) TABLE A.10.2.2)	CLASS C (TABLE 803.5)
ROOMS & ENCLOSED SPACES - FLOORS	N/A (TABLE A.10.2.2)	DOC FF-1 (804.4)
TRIM		NOT IN EXCESS OF 10% OF AGGREGATE WALL & CEILING AREA OF ANY ROOM/SPACE SHALL BE PERMITTED TO BE CLASS C MATERIAL.

PATH	TRAVEL DISTANCE
A	149' - 6"
B	173' - 10"
C	106' - 1"
D	179' - 4"
E	132' - 6"
F	142' - 6"
G	69' - 0"
H	79' - 8 1/32"
J	111' - 6"

BUILDING ENVELOPE PERFORMANCE

Minimum building envelope performance requirements for this project are taken from the following codes: IECC 2015. (Products specified in the work may exceed requirements noted below.)

- Roof
 - Insulation Entirely above Deck
 - U-0.032 maximum
 - R-50 c.i. minimum
- Exterior Walls
 - Steel Framed
 - U-0.064 maximum
 - R-13 + R-7.5 c.i. minimum
 - Mass
 - U-0.104 maximum
 - R-9.5 c.i. minimum
- Slab-on-Grade Floors
 - Unheated
 - F-0.520 maximum
 - R-15 for 24 inches minimum
- Opaque Doors
 - R-4.75 (IECC)
- Fenestration
 - Metal framing, fixed
 - U-0.38 maximum
 - Metal framing, operable
 - U-0.45 maximum
 - Metal framing, entrance door
 - U-0.77 maximum
 - SHGC - 0.40 maximum (orientation and projection factor can increase)
 - VTSHGC - 1.10 minimum
 - Fenestration: 30% maximum
- Air barrier required (IECC C402.5)
 - Maximum air leakage for fenestration:
 - Glazed swinging entrance doors: 1.0 cfm/sf at 1.57psf per AAMA/WDMA/CSA 1011.5.2/A440, NFRC 400, or ASTM E 283
 - Curtainwall and storefront: 0.06 cfm/sf at 1.57psf per NFRC 400 or ASTM E 283
 - Skylights w/ condensation weep openings: 0.3 cfm/sf at AAMA/WDMA/CSA 1011.5.2/A440 or NFRC 400, or 0.5 cfm/sf at 6.24psf per AAMA/WDMA/CSA 1011.5.2/A440
 - Nonswinging doors for vehicle access and material transport with opening area 32 sq ft minimum: 1.3 cfm/sf at 1.57psf per ANSI/DASMA 105, NFRC 400, or ASTM E 283
 - Other nonswinging opaque doors, glazed sectional garage doors, and upward acting nonswinging glazed doors: 0.4 cfm/sf at 1.57psf per ANSI/DASMA 105, NFRC 400, or ASTM E 283
 - All other products: 0.2 cfm/sf at 1.57psf per AAMA/WDMA/CSA 1011.5.2/A440 or NFRC 400, or 0.3 cfm/sf at 6.24psf per AAMA/WDMA/CSA 1011.5.2/A440
- Other requirements
 - Veritables: Conditions (ASHRAE 5.4.3.4 and IECC C402.5.7)



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