

Lafayette Fit-Up CAFE

IBC 2009

NFPA 101 2009

7 floors above grade

502.1

Sprinklers

NFPA 13

Occupant Load

T 1004.1.1

Restaurant (B) under 50 occ

Bar Stools = 6

Chairs at Tables 470 sf / 15sf = 32

Total Restaurant occupants = 38

Back of house prep area 101 sf / 200 sf = 1 occ.

Area behind bar 46 sf = 1 occ.

Mechanical - 162 sf / 300 = 1 occupants

Storage - 615 sf / 300 = 3 occupants

Total occupants = 44

Use Group(s)

304.1

Business - Restaurant

Separations

508.4

B from R-2 = 1 hr with Sprinkler

Distances to Exits

1016.1

B - 300' Travel Distance to exits (with sprinklers)

1014.3

B - 100' Common Path of Travel with sprinkler

1018.4

B - 50' Dead End (with sprinkler)

1021.1

Single Means of Egress from S = 29 occ and 100' travel

Egress Width

1005.1

40 Occ. x 0.2) = inches, 2 doors 6" minimum each

7.3.1.2

Restaurant (B) under 50 occ

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Total occupants = 44

36

Mercantile

6.1.14.1

Mercantile from Apartments = 1hr w/ spkr

36.2.6.2

250' Travel Distance to exits with Sprinklers

36.2.5.1.2

100' Common Path of Travel with spkr

36.2.5.2.1

50' dead end corridor

Egress Stairs	1009.1	Occ. Load >50 = 44" min width		
	1009.1	Occ. Load <=50 = 36" min width	7.2.2.2.1.2(B)	44" min. over 50 occ.
	1003.3	Handrails can protrude into stair 4.5" max	7.2.2.2.1.2	Handrails can protrude into stair 4.5" max
	1005.2	Door Swings may not reduce egress width by > 1/2		
	1009.2	80" min headroom	7.2.2.2.1.1(a)	6'-8" min. headroom
	1009.3	7" max. riser	7.2.2.2.1.1(a)	7" max. riser
	1009.3	11" min Tread depth	7.2.2.2.1.1(a)	11" min. tread
	1009.6	12' max. total rise between floors or landings	7.2.2.2.1.1(a)	12' max. height between landings
Ramps	1010.2	1:12 (8%) Max slope	7.2.5.2(a)	1:12 max. slope
	1010.6	60" long landings at top and bottom		
	1010.6	2% max slope of landings	7.2.5.2(a)	1:48 max. cross slope
	1010.8	>6" rise must have handrails on both sides of ramp		
Egress Corridors	1018.2	44" min. when Occ. > 50		44" min. Hallway width
	1018.2	36" min. when Occ. <= 50		
	1018.2	24" min. at service corridors to mechanical equipment		
Plumbing Requirements				
Restaurant	38 Seats Shown on Plan			
	1 unisex bathroom for under 39 occupants per Maine Restaurant exception			
Construction Type	T 503	3B - mixed combustible unprotected		III (200) mixed combustible unprotected
Building Area	T 503	A-2 is 9,500sf 2 stories		
	506.3	Sprinkler Increase 200% = 28,500 sf		
Building Elements	T 601	0 hr Structural Frame		
	T 602	2 hr Bearing Walls Exterior		
	T 601	0 hr Bearing Walls Interior		
	T 601	0 hr Non-Bearing Walls Interior		
	T 602	1 hr Non-Bearing Walls Exterior (sep. dist <10') NA		
	705.5	Exterior Wall with >10' sep. needs rating only from inside		
	T 601	0 hr Floor Construction		
	T 601	0 hr Roof Construction		

