

Maine and Loire - 75 Washington Avenue

IBC 2009

NFPA 101 2009

502.1

Sprinklers

NFPA 13

NFPA 13

Occupant Load

T 1004.1.1

Restaurant A-2 and Mercantile

7.3.1.2

Restaurant A-2 and Mercantile

Booth Seats 25' length / 2' = 13

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Chairs at Tables = 34

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Bar Stools = 13

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Kitchen (278sf / 200) = 2

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Office (253sf / 200) = 2

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Mercantile (520 sf / 30) = 18

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Total Occupants = 82**Total Occupants = 82**

Use Group(s)

304.1

Assembly (A-2)

12

Assembly under 300 occupants

309.1

Mercantile (M)

Construction Type

T 503

3B - mixed combustible unprotected

III-N 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		
Separations			Non-Separated Uses		Non-Separated Uses
Distances to Exits	1016.1		Assembly - 250' Travel Distance to exits (with sprinklers)	12.2.6.2	250' Travel Distance to exits with Sprinklers
	1014.3		A - 75' Common Path of Travel with sprinkler	12.2.5.1.2	75' Common Path of Travel with sprinkler
	1018.4		A - 20' Dead End (with sprinkler)	12.2.5.1.3	20' dead end corridor
Egress Width	1005.1		82 Occ. x 0.2) = inches, 2 doors 8.2" minimum each		
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			82 Seats Shown on Plan = 50 male and 50 Female		
			Toilets = Male 1 per 50 occ. = 1 toilet		
			Urinal = Male 1 per 50 occ. = 1 Urinal		

			Lavatory = Male 1 per 150 occ. = 1 Lavatory			
			Toilets = Female 1 per 50 occ. = 1 toilet Per UPC2009 #14 Equal Fixtures - the patrons will have access to common toilets for the 2nd female toilet required			
			Lavatory = Female 1 per 150 occ. = 1 Lavatory			