

75 Washington Restaurant

IBC 2009

NFPA 101 2009

1 floors above grade

502.1

Sprinklers

NFPA 13

Occupant Load

T 1004.1.1

Restaurant A-2

Bench Seats 65' length / 18" = 44

Booth Seats 38' length / 2' = 19

Chairs at Tables = 32

Bar Stools = 30

Kitchen (471sf / 200) = 3

7.3.1.2

Restaurant A-2

Bench Seats 65' length / 18" = 44

Booth Seats 38' length / 2' = 19

Chairs at Tables = 32

Bar Stools = 30

Kitchen (471sf / 200) = 3

Use Group(s)

304.1

Assembly (A-2)

12

Assembly under 300 occupants

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	508.3	A-2 from B = 1 hr	6.1.14.1	Assembly from Business = 1hr
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	128 Occ. x 0.2) = inches, 2 doors 13" 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	100 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			
	Lavatory = Female 1 per 150 occ. = 1 Lavatory			