

Code Review

Nov 26, 2014

Goodwill Fit-Up

IBC 2009			NFPA 101 2009	
3 floors above grade	502.1			
Sprinklers		NFPA 13		NFPA 13
Occupant Load	T 1004.1.1	Business (B) 7,200 sf (100 per occ) = 72 occupants	7.3.1.2	B 7,200 sf (100 per occ) = 72 occupants
Use Group(s)	304.1	Business (B)	38	Business
Construction Type	T 503	2B - non-combustible unprotected		II (000) non-combustible unprotected
Building Area	T 503	B is 23,000sf 3 stories		
	506.3	Sprinkler Increase 200% = 46,000 sf		
Building Elements	T 601	0 hr Structural Frame		
	T 602	0 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	NA	6.1.14.1	NA
Distances to Exits	1016.1	Business - 300' Travel Distance to exits (with sprinklers)	38.2.6.3	300' Travel Distance to exits with Sprinklers

		1014.3	B - 100' Common Path of Travel with sprinkler	38.2.5.3.1	100' Common Path of Travel with sprinkler
		1018.4	B - 50' Dead End (with sprinkler)	38.2.5.2.1	50' dead end corridor
Egress Width		1005.1	72 Occ. x 0.2) = 14.4 inches, 2 doors 8" 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					
Business		72 = 36 male and 36 Female			
		Toilets = Male 1 per 100 occ. = 1 toilet			
		Urinal = Male 1 per 100 occ. = 1 Urinal			
		Lavatory = Male 1 per 200 occ. = 1 Lavatory			
		Toilets = Female 3 per 50 occ. = 3 toilets			
		Lavatory = Female 1 per 200 occ. = 1 Lavatory			

