

Retail Containers on Marion

IBC 2009			NFPA 101 2009		
1 floors above grade	502.1				
Sprinklers		None			None
Occupant Load	T 1004.1.1	Tenant 1 - Mercantile 296 sf (30 gsf/oc) = 10	7.3.1.2	Tenant 1 - Mercantile 296 sf (30 gsf/oc) = 10	
		Tenant 2 - Mercantile 296 sf (30 gsf/oc) = 10		Tenant 2 - Mercantile 296 sf (30 gsf/oc) = 10	
		Tenant 3 - Mercantile 296 sf (30 gsf/oc) = 10		Tenant 3 - Mercantile 296 sf (30 gsf/oc) = 10	
		Tenant 4 - Mercantile 257 sf (30 gsf/oc) = 9		Tenant 4 - Mercantile 257 sf (30 gsf/oc) = 9	
		Tenant 5 - Mercantile 296 sf (30 gsf/oc) = 10		Tenant 5 - Mercantile 296 sf (30 gsf/oc) = 10	
		Retail Back of house 335 sf (300/oc) = 2		Retail Back of house 335 sf (300/oc) = 2	
		Total = 51			
		Total building Net Sf = 1776 sf			
Use Group(s)	309.1	M Mercantile	36	Mercantile Occupancy	
Construction Type	T 503	5B - Combustible unprotected		V(000) combust unprotected	
Separations	508.3	Non-separated Tenant Spaces			
	1018.1	Corridor 1 hr rated (no sprinkler)			
	715.4	Corridor Doors 20 minutes in 1 Rated walls			
	503				
		M in 5B = 1 story and 9,000 sf max			
Building Elements	T 601	0 hr Structural Frame			
5B	T 602	0 hr Bearing Walls Exterior	36.1.6	M	No Minimum Construction requirements
	T 601	0 hr Bearing Walls Interior			

		T 601	0 hr Non-Bearing Walls Interior		
		T 602	1 hr Bearing Walls Exterior (sep. dist <10') NA		
		T 601	0 hr Floor Construction		
		T 601	0 hr Roof Construction		
Exterior wall		T 705.8	5 to 10 feet, unprotected - non sprinklered = 10%		
Unprotected openings		T 705.8	10 to 15 feet unprotected - non sprinklered = 25%		
Lot Line Distances			Exterior wall to Centerline of Marion St = 23'-6"		
			Exterior wall to Centerline of Washington Ave = 35'-0"		
			Exterior wall to North Property line = 10'-7"		
			Exterior wall to Imaginary Lot line Property line = +-50'-0"		
Buildings on Same Lot		705.3	Imaginary lot line between 2 buildings		
Distances to Exits		1016.1	200' Travel Distance to exits	36.2.6.1	150' Travel Distance to exits
		1014.3	75' Common Path of Travel	36.2.5.3.1	75' Common Path of Travel (50' in storage)
		1018.4	20' Dead End	36.2.5.2.1	20' dead end corridor
Egress Width		1005.1	51 Occ. x (0.2) = 10.2 inches, 2 doors 6" 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					
		1441 sf Retail usable space (30 sf/occ) = 49 Occupants = 25 men and 25 women				
		UPC 412.3 exception #3				
			For Mercantile uses with a total of less than 1,500 sf (1) Toilet Facility			
			for use by one person at a time shall satisfy the requirement of serving customers and employees of both sexes.			