

CCRR Comparison

Table 1
Guardrail Systems for Use in IBC / All Use Group Classifications
Installed height is 42 inches

Style	Type	Maximum Rail Length ¹	Top Rail Insert (See Figure 3)	Baluster(s) (See Figure 4)
<i>Premier / Nature</i>	Level	67 inches	None	1-3/8 inch Picket (wall thickness of 0.065")
	Level	91 inches	Dog Bone	
	Stair	90 inches	Dog Bone	
<i>Select / Structure</i>	Level	67-1/2 inches	1/16 inch "U"	
	Level	115-3/8 inches	1/8 inch "U"	
	Stair	96 inches	1/8 inch "U"	

¹ Length is clear space between supports.

Table 1 – Maximum Guardrail Lengths

Guard System	Type	Max Rail Length	Aluminum Reinforcement
PVC Top Rail w/ Alum. Insert and Heavy Wall Bottom Rail	Level	92-1/2 inches	Top Rail
PVC Top Rail w/ Alum. Insert and Thin Wall Bottom Rail w/ Alum. Insert	Level	92-1/2 inches	Top and Bottom Rails
ComposiCore™ Top Rail and Heavy Wall Bottom Rail	Level	70-3/4 inches	Not Required
ComposiCore™ Top Rail and Heavy Wall Bottom Rail	Stair	72-1/4 inches (Sloping Length)	Not Required

3.3.3. The bottom rail for all models is a rectangular profile 2.75 inches wide by 1.75 inches tall. Two rail profiles are manufactured for use with the systems: a standard bottom rail profile with a 0.075 inch wall thickness that is used with an extruded aluminum insert and a heavy wall profile with a 0.09 inch wall thickness that is utilized without reinforcement. See Figure 4.

CCRR Comparison

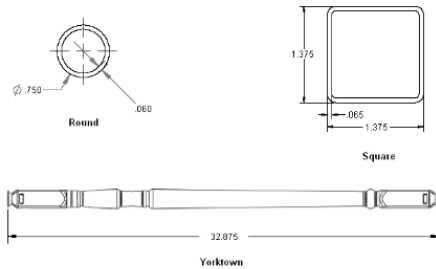


Figure 4 – Baluster Profiles

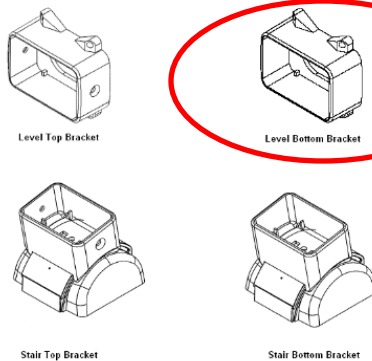


Figure 5 – Select / Structure Brackets

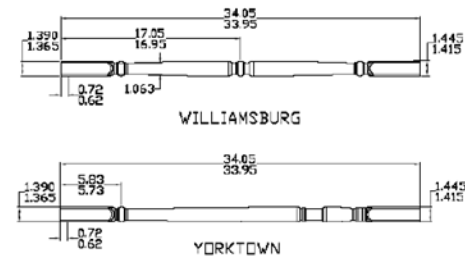


Figure 2 – Spindle Styles

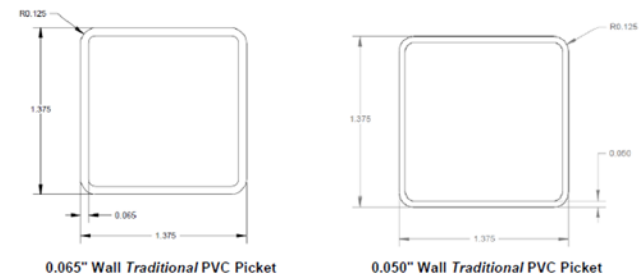


Figure 3 – Traditional Picket Profiles

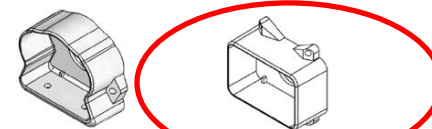


Figure 6 – Straight Brackets

CCRR Comparison

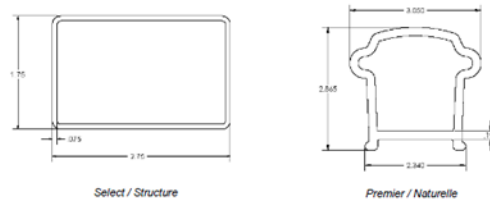


Figure 1 - Top Rail Profiles

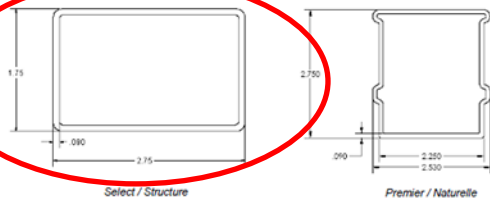
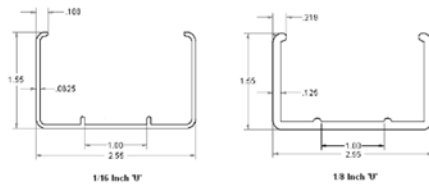
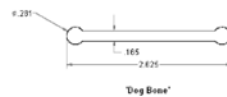


Figure 2 - Bottom Rail Profiles



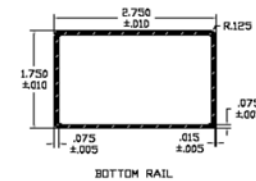
1 1/8 inch W

1 1/8 inch W

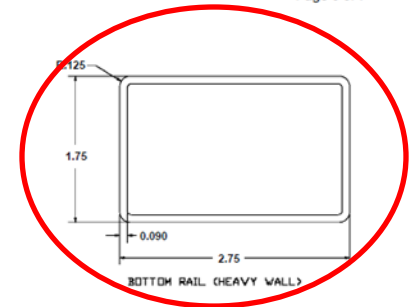


"Dog Bone"

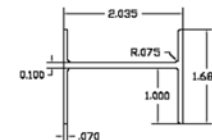
Figure 3 - Aluminum Inserts



BOTTOM RAIL



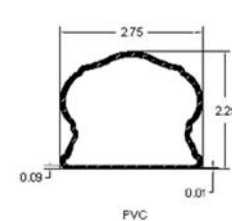
BOTTOM RAIL (HEAVY WALL)



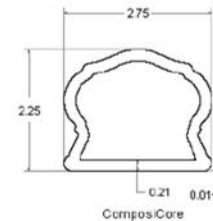
TOP RAIL ALUMINUM INSERT



BOTTOM RAIL ALUMINUM INSERT



PVC



Composite

Figure 1 - Top Rail Profiles