

General & Safety Information

- Wear proper personal protective equipment (PPE).
- Operate all tools per manufacturer guidelines.
- Standard woodworking saws and blades can be used for cutting Fypon® PVC products, except in cases where metal is being cut.
- These instructions only refer to installing a rail kit, and they assume that correctly specified posts are already properly installed, per code requirements.
- Consult your local building department for applicable codes and building requirements.
- All Fypon products must be installed per the following instructions to maintain warranty coverage.
- Do NOT paint or stain QuickRail products, it will void the warranty.

Tools / Materials

- Pencil
- Tape Measure
- Level
- Screwdriver or drill with #2 Philips bit
- Circular saw
- Hacksaw (for top rails with a metal insert)

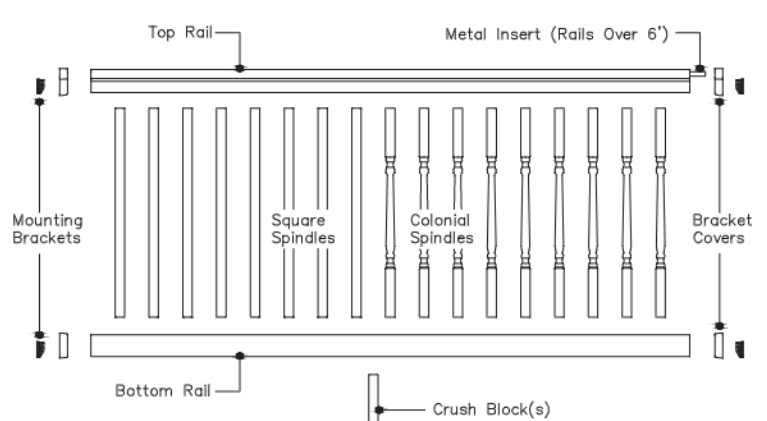
Installation Instructions

Note: If working with multiple rail kits, DO NOT mix spindles between kits. Due to top rails longer than 6' having a metal structural insert, spindle height and spacing varies with rail length.

Rail Lengths				Spindle Heights	
Nominal Lengths	Straight Rail Kits (Square Spindles)	Straight Rail Kits (Colonial Spindles)	Stair Rail Kits (Square/Colonial)	36" Rail Height (Square/Colonial)	42" Rail Height (Square)
6'	72"	70-1/2"	78"	33-1/2"	39-1/2"
8'	96"	94-1/8"	102"	32-3/4"	38-3/4"
10'	120"	117-3/4"	126"	32-3/4"	38-3/4"
12'	144"	141"	NA	32-3/4"	38-3/4"

RAIL ATTACHMENT GUIDELINES		Rail Length	
		8' or less	Greater than 8' (up to 10')*
Height Above Ground	30" or less	Any available substrate	Any available substrate
	Greater than 30"	APPROVED: Wall Support Column QuickRail QuickPost DuraPoly Post QuickRail Ultra Post NOT APPROVED: Complete Post Kit Post Sleeve only	APPROVED: Wall Support Column QuickRail QuickPost DuraPoly Post NOT APPROVED: Complete Post Kit Post Sleeve only

*Rails longer than 10' should only be installed in applications that are 30" or less above ground.



1) Measure and cut bottom rail.

Measure the inside opening between the mounting surfaces where the bottom rail will be attached (Figure 1A). Mark that length on the bottom rail so the spindle holes are equally spaced between the marks (Figure 1B). Any crush block holes on the bottom of the rail should also be centered on the rail as much as possible.

If using multi-angle brackets, refer to the instructions that came with the bracket kit to cut the rail.

Refer to the table in Figure 1C, identify bracket mounting type, and note the trim offset. Make marks that are offset to the inside of the previous marks by the appropriate trim amount. These will be the cut marks (Figure 1D).

Cut the rail to length.

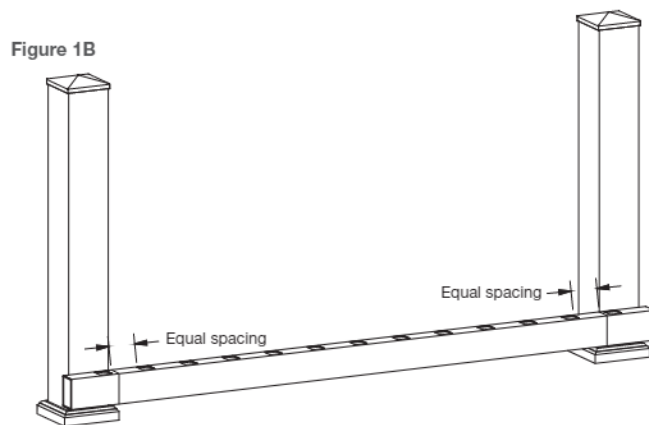
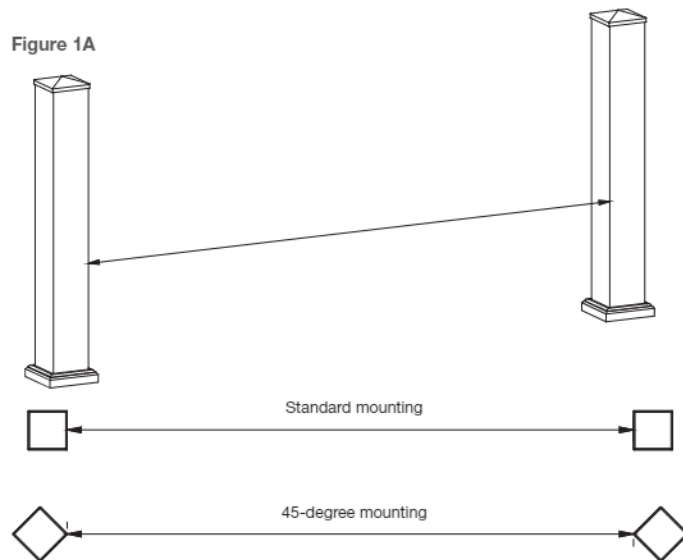


Figure 1C



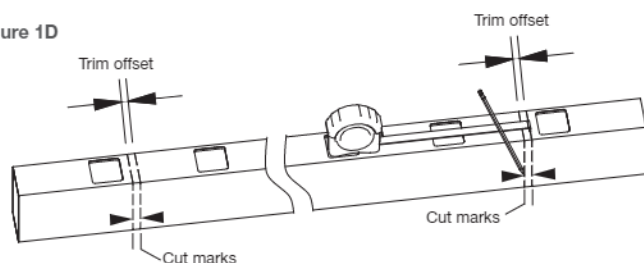
Bracket Mounting Type		Trim Offset	Minimum distance to first spindle
Standard		3/8" per end (3/4" total)	1-1/2"
45-degree		11/16" per end (1-3/8" total)	1-1/2"

Figure 1D



2) Measure and cut top rail.

If top and bottom rails will be attached to the same mounting surfaces, position the top rail next to the bottom rail that was cut in Step 1, with spindle holes aligned. Mark top rail and cut to same length as bottom rail (Figure 2). Note that top rails longer than 6' have a metal insert.

If top and bottom rails will be attached to different mounting surfaces, repeat Step 1 for the top rail and mark it accordingly, making sure the spindle holes on both rails are aligned.

Figure 2

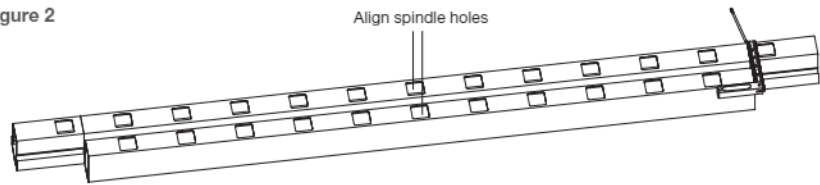
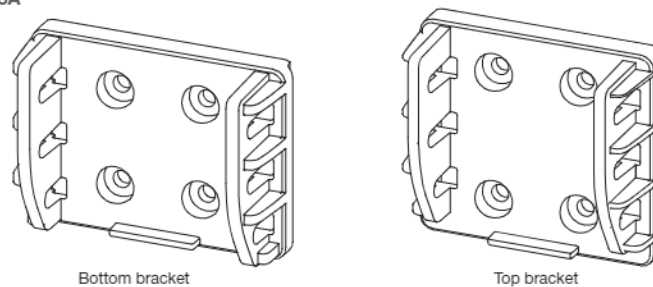


Figure 3A



3) Install bottom mounting brackets.

Identify top and bottom mounting brackets (Figure 3A).

Using the provided 1-½" screws, install the first bottom mounting bracket so it is 2" from the floor and centered side-to-side if attached to post (Figure 3B). Note that 2" is the typical recommended clearance between the floor and bottom rail, but it must be less than 4" for code compliance.

If using a 45-degree adapter, refer to the instructions that came with the adapter kit and install the bracket and adapter at the same time.

Temporarily slide one end of the rail on the installed mounting bracket so it sits on the resting flange, hold the rail level, and mark the location for the other bottom mounting bracket (Figure 3C). Then install it in the same manner as the other bracket.

Figure 3B

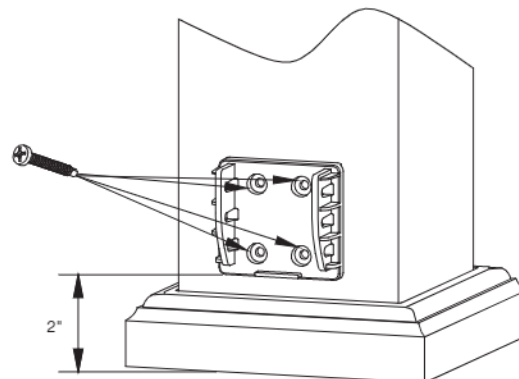
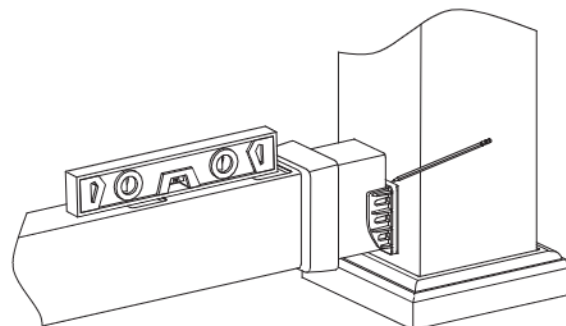


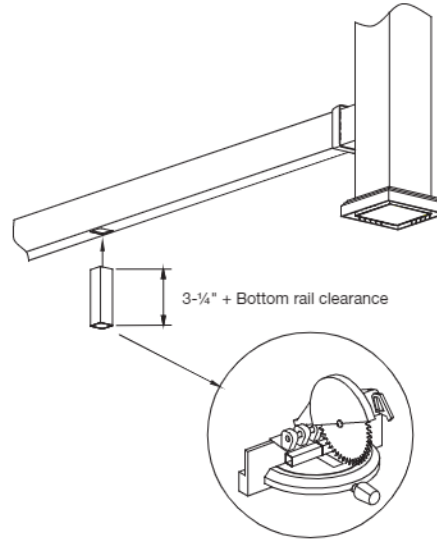
Figure 3C



4) Cut and install crush block (if applicable).

Cut crush block(s) to length (add 3-1/4" to the bottom mounting bracket clearance from Step 3) and insert into the crush block hole(s) on the bottom of the bottom rail (Figure 4).

Figure 4



5) Install bottom rail.

Slide bottom rail bracket covers onto both ends of the bottom rail with smooth sides facing the spindle holes. With spindle holes facing up, fit the bottom rail onto the bottom mounting brackets so the rail sits on the resting flanges (Figure 5A). Insert a 1" screw (provided) at the rounded end of the middle slot on each side of the bracket to secure it to the bottom rail (Figure 5B). Slide the bracket covers over the mounting brackets until a "click" is heard (Figure 5C).

Figure 5A

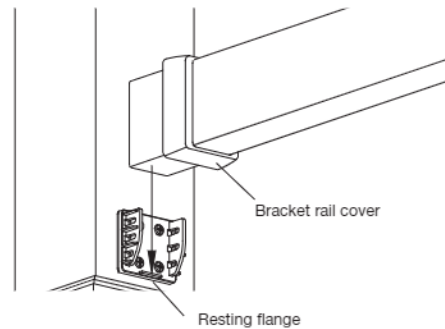


Figure 5B

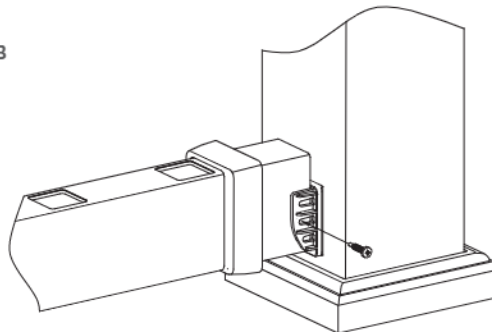
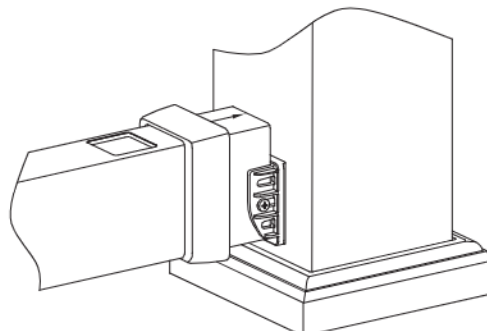


Figure 5C



6) Install top mounting brackets.

Temporarily insert a spindle at each end of the bottom rail and fit the top rail over the spindles so they fully seat into the top rail (Figure 6A).

After making sure the top rail is level and the spindles are plumb, slide a bracket up from the bottom at one end of the top rail until the rail is against the resting flange and mark the bracket location (Figure 6B). Then repeat for the other end of the top rail.

Remove the top rail and install the top mounting brackets at the marked locations using the provided 1-½" screws (Figure 6C), as done for the bottom mounting brackets in Step 3.

If using a 45-degree adapter, refer to the instructions that came with the adapter kit and install the bracket and adapter at the same time.

Figure 6A

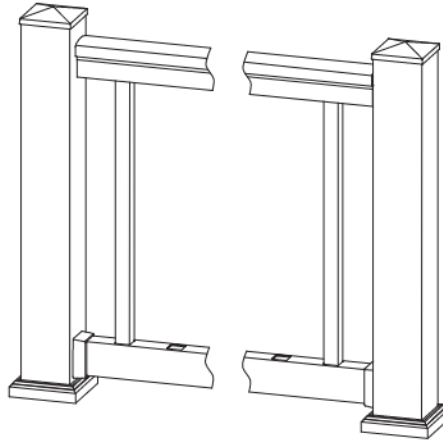


Figure 6B

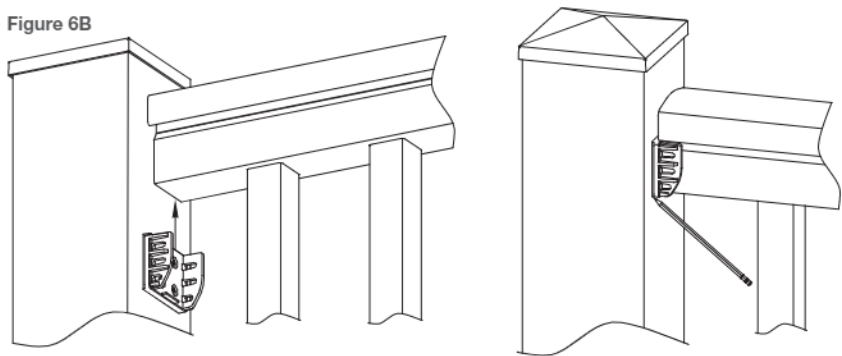
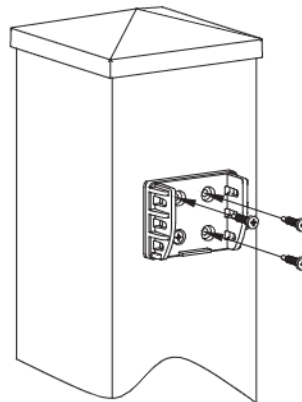


Figure 6C



7) Install spindles and top rail.

Insert all of the spindles into the precut holes in the bottom rail.

Similar to the bottom rail in Step 5, slide top rail bracket covers onto both ends of the top rail with smooth sides facing the spindles holes. With spindle holes facing down, fit the top rail over the spindles and onto the top mounting brackets so it sits on the resting flanges (Figure 7A). Insert two 1" screws (provided) on each side of the bracket to secure it to the top rail at the rounded ends of the top and bottom slots (Figure 7B). Slide the top rail bracket covers over the mounting brackets until a "click" is heard (Figure 7C).

Figure 7A

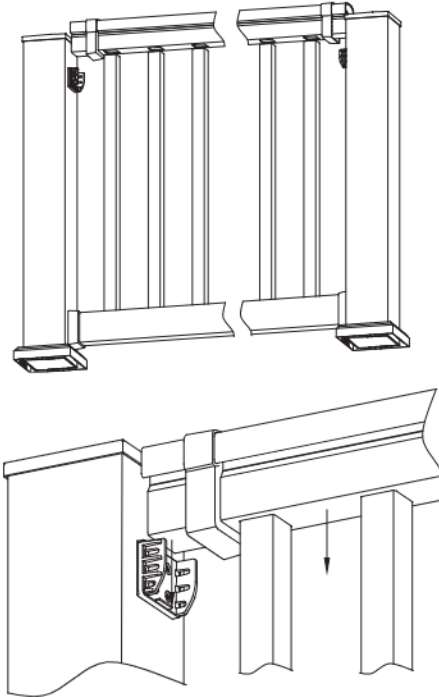


Figure 7B

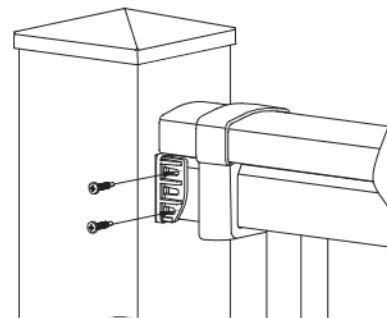


Figure 7C

