



UNIVERSAL COMPOSITE GATE FRAME INSTRUCTIONS

This gate frame is designed for most composite railing to make a gate that matches your composite railing. It is designed for 36" railing and for a maximum gate width of 48". Railing is not included with kit.

Tools needed to assemble gate:

- Power drill
- Assorted metal cutting drill bits up to ¼"
- Phillips screw driver bit for power drill
- Tape measure
- Saw to cut your composite rails.

Kit includes:

- A. 2 – Aluminum side rails
- B. 2 – Bottom support angles
- C. 2 – 4" Black butt hinges
- D. 1 – Gate latch
- E. 2 Piece gate cross brace
- F. 8 – 3/16" x 1" Self-drilling screw to mount hinges to side rails (black)
- G. 6 – ¼" x ¾" Self-drilling screws to mount bottom support angles and aluminum cross brace to side rails (frame color)
- H. 8 – 3/16" x 2" Screws to mount hinges to hinge post (black)
- I. 2 – 3/16" x ¾" Self-drilling screws to mount latch stop to side rail (black)
- J. 2 – ¼" x ¾" Bolts with nuts for cross brace (frame color)
- K. 6 – ¼" x 1" Screws to mount composite rails to top and bottom support angles (frame color)

Not included in Kit:

- L. Composite Rails

GATE ASSEMBLY:

Cut top and bottom composite rails 5" smaller than opening between gate post. If hinge and latch are used other than furnished this measurement may change. Be sure baluster layout is the same top and bottom. No baluster closer than 1'1/2" to end of rail.

Install balusters in top and bottom rail. Some rail designs may require top and bottom rail to be temporarily clamped or strapped together. Slide aluminum side rail into rail section with top support angle in proper location under top rail. Hold bottom rail support angles in location under bottom rails and mark holes to be drilled in aluminum side rails. Lay side rails on flat surface, drill and attach bottom support angles. Drill 3/16" holes and attach with ¼" x 14" x ¾" self-drilling screws. (NOTE: Some rail systems may require a different support angle location. Top support angles may be removed and relocated if needed.) Be sure support angles are tight to bottom of bottom rail and bottom of top rail.

Once support angles are anchored to aluminum side rails they are to be attached to top and bottom rails with (6) ¼" x 1" screws as shown. Be sure composite rails are tight to aluminum side rails. Follow your composite rail manufacturer's instructions for attaching combination rails together. If longer screws are furnished by manufacture for combination



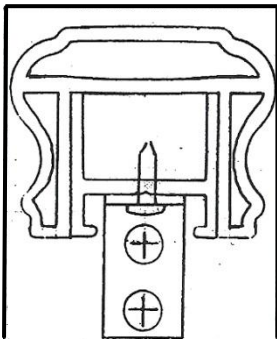
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rail, they may be used for attaching rails to support angles. Some 2-piece rail systems may require cutting bottom part of rail short of support angle and support angle screws.

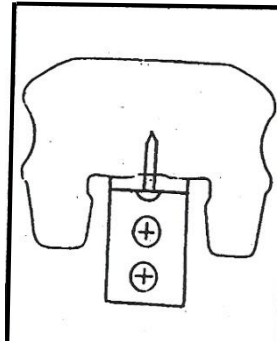
It is now time to install 1/4" x 1/2" aluminum cross brace. Lay gate on flat surface and be sure frame is square. Cross brace to be installed from top of hinge side down to bottom of latch side. Lay 2 piece cross brace at angle 1" below hinge to 2" off bottom of latch side and mark (2) holes to be drilled to bolt together (as shown on drawing). Lay on flat surface, drill (2) 1/4" holes. Lay back on frame and drill (2) 3/16" hole in side rails and attach with (2) 1/4" x 2" self-drilling screws.

Gate should always swing on to floor, not over steps or ramp. Attach hinges as shown on drawing to aluminum side rails using (8) 3/16" x 1-1/2" screws (Predrill 1/8" hole). Hang gate on hinge post using 2" black screws (included). Attach gate latch stop to side frame as shown using (2) 3/16" x 3/4" self-drilling black screws (predrill 1/8" hole). Attach latch to latch post.

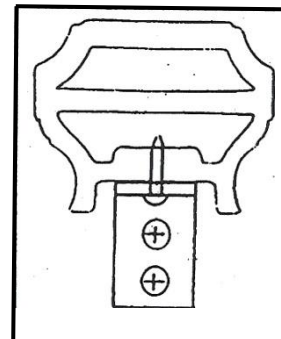
SOME EXAMPLES OF COMPOSITE RAILS ATTACHED TO ANGLE SUPPORT



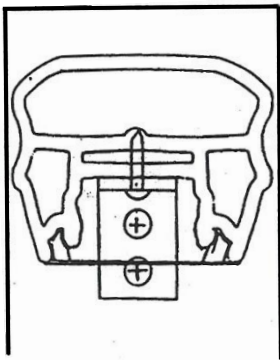
FAIRWAY FX2



TREX DESIGNER

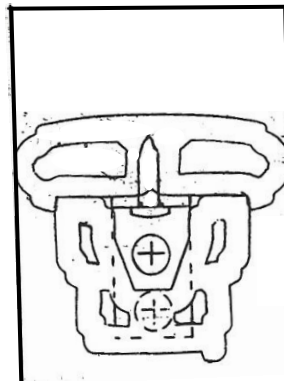


GAF RAILWAYS



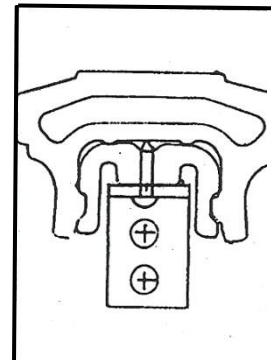
TREX TRANSCEND

Baluster space to be cut for angle support



CERTAINTEED PANORAMA

Top Universal Rail to cut short of angle support. Bottom Rail must attach angle support on top or top support angle can be lowered and support angles can be attached at bottom of top and bottom rail.



AZEK PREMIER

NOTE: Kroy and Latitudes Luster rail have rail brackets that should be used on side rails in place of support angles.



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