

**MATCHED RAIL & STILE CUTTERS FOR GLASS DOORS WITH RECOVERABLE BEAD**

*\*\*NOTE: Crosscut the rails (horizontal pieces) 7/8" larger than final length (to allow 7/16" at each end for cope into stiles). Rip both the rails and stiles 1/8" wider than final width to allow for cutting off the retaining strip. For example, for a 1 1/2" rail or stile, start with 1 5/8" piece of stock.*

1. Use the router bit with profile cutter and bearing to make the cope cuts on the ends of your rail pieces (horizontal pieces).
2. Change to second router bit and adjust the bit height so that the bottom profile cutter matches the height of the profile cut on the ends of the rails when they are placed face down on the router table top. Because of the amount of material being removed, a better cut result may be achieved by making more than just one pass. Adjust your router fence between cuts until a straight edge touches both fence faces and the carbide at the innermost point between the top (when installed in your router table) profile cutter and slot cutter.
3. After cutting the profiles on the inside of your rail and stile pieces, use a 1/8" straight bit, or a 1/8" kerf saw blade on your tablesaw, to remove the portion of the wood that protrudes further at the depth and distance of the slot.
4. Assemble and glue the rail and stile. When dry, measure for the glass panel, allowing 1/16" on all four sides for any seasonal wood movement. Place the glass panel into the door frame.
5. Measure and miter at 45 degrees the retaining strips removed in step 3 and secure them with brads—Do NOT glue them in place or you will not be able to replace the glass if it should break!! You may want to predrill the brad holes in the retaining strip to avoid splitting them while you are installing them. Be careful not to strike the glass while driving brads in.

