Plan # 003

Coping Sled

Fig.1

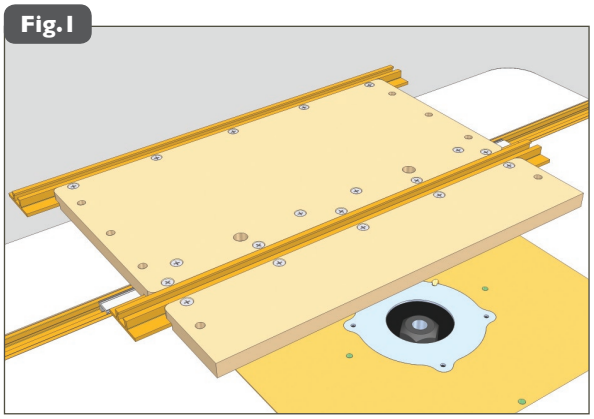
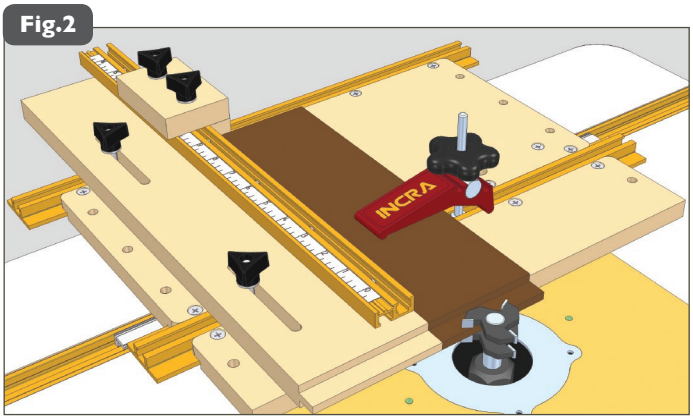


Fig.2



Build-It Platform Components Required:

- 2 Small Build-It Panels or 1 Small & 1 Large
- 1 Miter Slider
- 2 T-Slot Panel Connectors

Just add:

- 18" T-Track Plus
- Build-It Knobs
- Build-It Clamp

It can be tricky trying to make the end grain coping cuts on the rails of a frame and panel door without this handy router table jig. During assembly the end of the backing board is aligned with the bearing on your coping cutter. Then, just position the end of your rail flush with the end of the backer board for a perfect tearout-free coping cut. Add the T-Track Plus with a user made stop to make cutting the opposite end of the first piece and any subsequent pieces of equal length a simple matter of clamp and cut. The Build-It Clamp is required for this type of cut so don't forget to pick one up from your local Incra dealer.

Add a Miter Slider and (2) T-Slot Panel Connectors to a small Build-It Panel and place in the miter slot at your router table. Adjust the Miter Slider to fit your slot. Cut a piece from another Build-It Panel to fill the gap between the existing assembly and your router collet. You'll want this piece to be about 1" narrower than the distance between the T-Slot Panel Connector and the 1/2" shank of the cutter. Cut 3/4" material for the fence to 4" x 18", then cut the (2) 5/16" wide slots as shown. (The slotted holes will permit support for angled work but you can simply drill (2) 5/16" holes spaced 8-1/2" apart if you are only interested in a 90 degree fence position.) Attach the fence with Build-It Knobs and 1/4-20 x 1-1/2" hex bolts with washers then add the 18" T-Track Plus. The T-Track should be offset from the business end of the fence by 2" to provide safe cutter clearance. For most coping work, the fence should be adjusted square to the edge of the panels with the end just touching the cutter's bearing guide. ■

Detail 3A

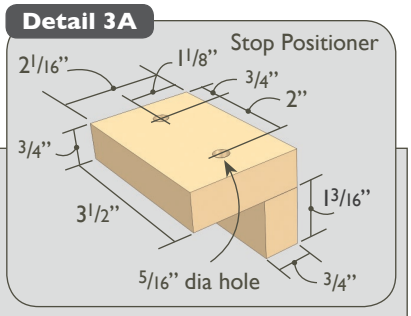


Fig.3