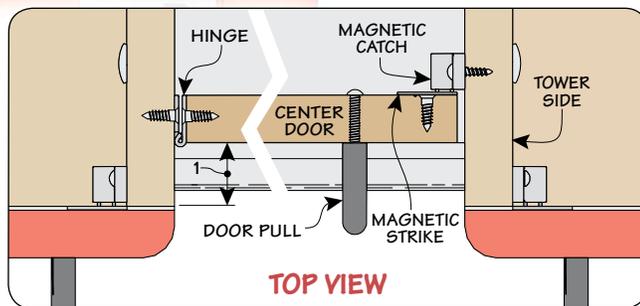
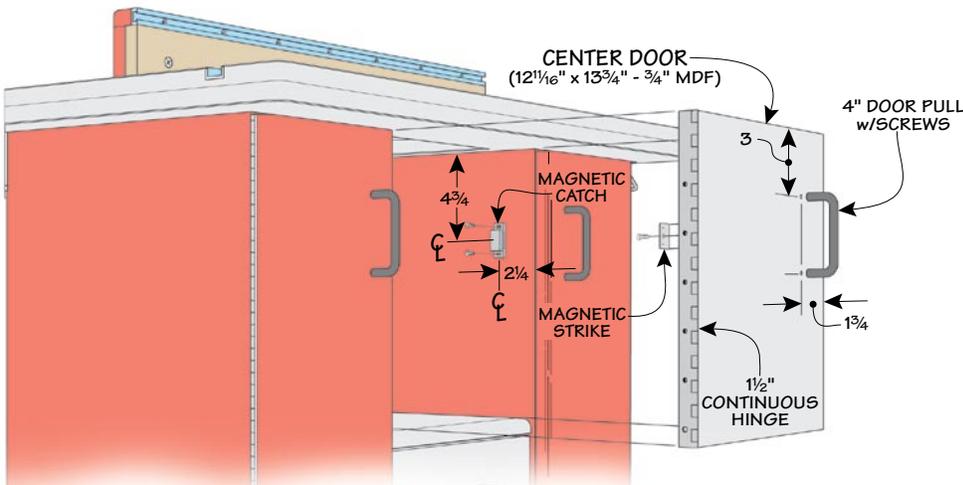


# router table option: Door & Back



▲ **Fully Enclosed.** Adding a door and back panel to the ultimate router table helps contain dust and reduce noise.



Two simple pieces of MDF is all it takes to help tackle two issues that trouble router tables — dust and noise. Adding the back panel and door you see here is a straightforward upgrade to the ultimate router table and also gives it a cleaner look.

Although it sounds easy enough to enclose the router to tame the noise and dust, there's a little more to consider. The router motor needs steady air movement for peak performance and to prevent overheating. So completely sealing the router cabinet isn't a good solution.

**Door.** At the front of the cabinet, the door is sized to fit the opening, as shown in the upper drawing. It's mounted on a continuous hinge and stops against a simple magnetic catch. The Top View drawing shows its position in the opening.

**Back.** The back panel is designed to be an easy "add-on" after the router table is built. I cut the panel for a snug side-to-side fit and drilled pocket holes on the outside face. (If you don't have a pocket hole jig, you can attach the back panel with cleats.)

To provide adequate air flow, I attached the back, leaving a gap next to the dust box and along the bottom, as shown in the lower drawing at left. This provides a means for drawing cool air in from the lower opening and exhausting the hot air through the upper opening. 🐼

