

# custom Air Flow Ports

The router table storage cabinet in issue No. 236 has a unique air flow port system on the front door panel. This system has three hardboard port covers that line up with the air flow openings in the door panel.

The full-size patterns for the openings in the door panel, as well as the openings in the port covers are shown below. The reason there are two different patterns is because the port covers have slightly smaller openings so they cover the entire opening in the door panel when closed.

You'll also notice on both patterns a couple of small half-holes on the edge of the upper openings. These holes create little notches when the full opening is cut out. The notch in the door panel holds a toy axle that acts as a positive stop for the port covers in the open and closed position.

**PANEL OPENINGS.** After attaching the paper pattern to my door panel, I drilled these holes first, as well as the center hole. I then drilled larger access holes in the center of each opening that were big enough to fit

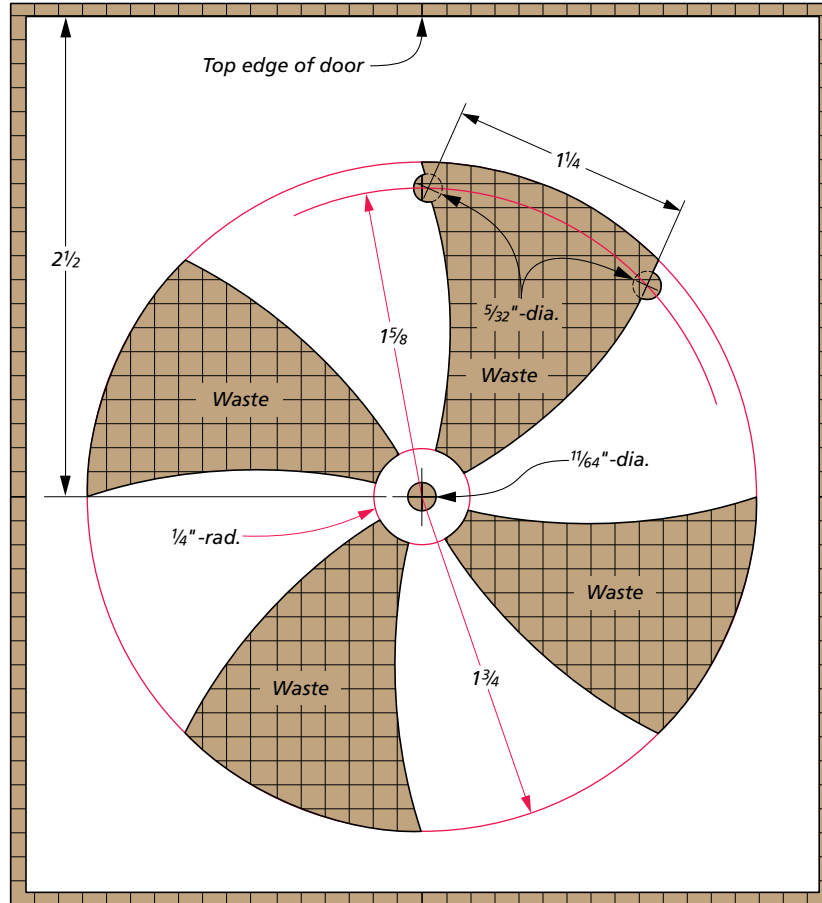
a jig saw blade. At this point, you can cut out all of the openings in the door panel.

**PORT COVERS.** The three port covers follow a similar course. But instead of trying to cut the openings on small blanks, I made one oversized workpiece, as shown in the article. Once the openings in each port cover are cut out with a jig saw, you can head to the band saw to cut each one free from the blank. A little sanding around the perimeter and the covers are ready to mount to the door panel. [W](#)



# Online Extra

**PATTERN DOOR PANEL**  
(Full size, one square = 1/8")



**PATTERN PORT COVER**  
(Full size, one square = 1/8")

