



SIMPLE WOODWORKING: Y-FRAME CHAIR



PARTS

Back Legs (2) - $3/4 \times 2 \times 18 \frac{1}{2}$
 Front Legs (2) - $3/4 \times 2 \times 28 \frac{1}{4}$
 End Rails (2) - $3/4 \times 2 \times 11 \frac{1}{2}$
 Seat Rails (2) - $3/4 \times 2 \frac{1}{2} \times 24$
 Seat Brackets (2) - $3/4 \times 2 \frac{1}{2} \times 5 \frac{7}{8}$
 Seat (1) - $3/4 \times 11 \frac{1}{4} \times 24$
 Back Rail (1) - $3/4 \times 2 \times 25 \frac{1}{2}$

LUMBER

3 - $1 \times 4 \times 6$
 1 - $1 \times 12 \times 2$

HARDWARE

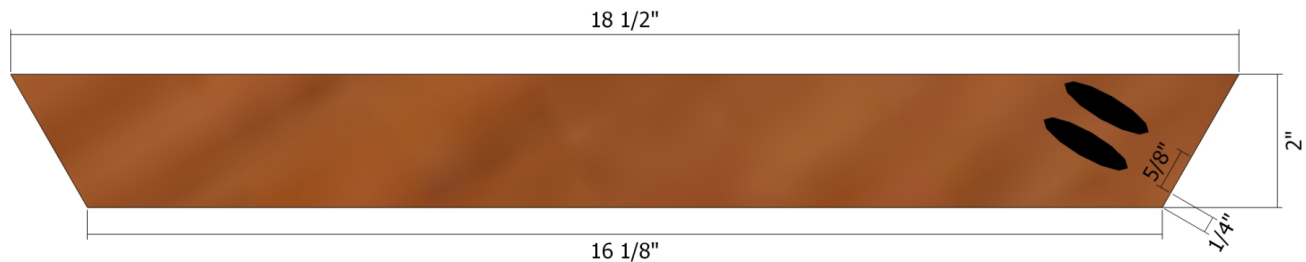
1 $1 \frac{1}{4}$ " pocket hole screws
 1 $1 \frac{1}{4}$ " wood screws

TOOLS

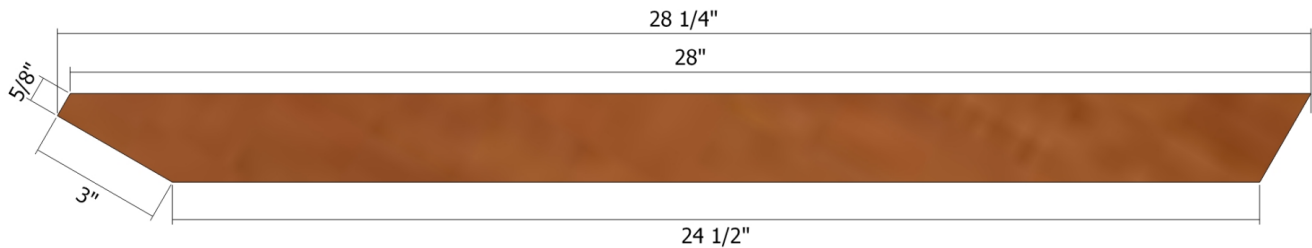
table saw, miter saw, jig saw, drill/driver,
 Kreg pocket hole jig, clamps, compass

Use the layouts below as guides for marking, cutting, and drilling pocket holes in the Back Legs, Front Legs, and End Rails. Be sure to set your Kreg Pocket Hole Jig and drill bit for drilling into $3/4$ -inch stock.

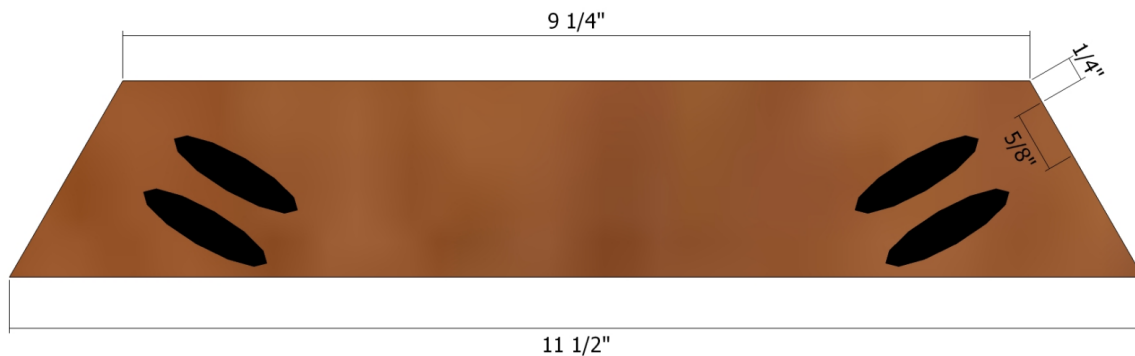
Back Leg

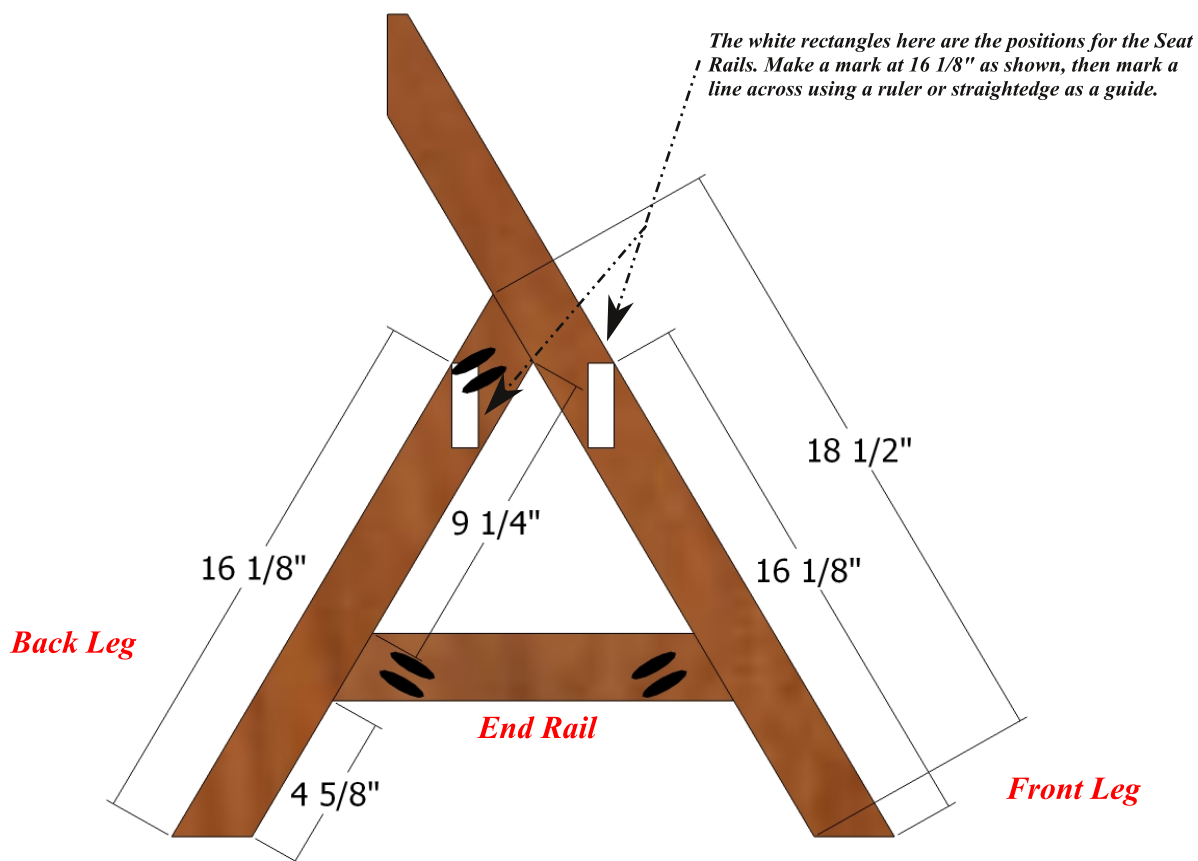


Front Leg



End Rail





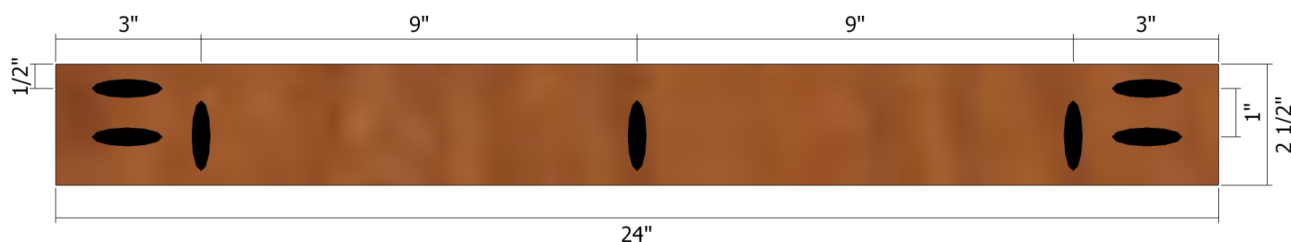
Position the parts as shown above and attach using glue and $1 \frac{1}{4}"$ pocket hole screws. A Kreg face clamp will help to hold the parts in position. Tip: To position the bottom of the Back and Front Legs parallel, clamp a straight edge or a piece of hardwood stock to your work surface. Place the bottom of the Legs flush against this guide.



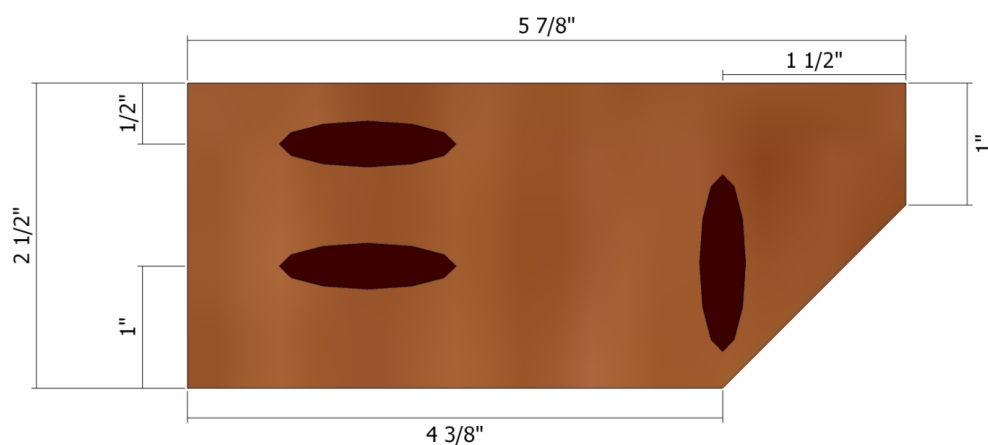
Use the layouts below as guides for marking, cutting, and drilling pocket holes in the Seat Rails and Seat Braces, and for cutting the Seat to shape. Be sure to set your Kreg Pocket Hole Jig and drill bit for drilling into 3/4-inch stock.

Seat Rail

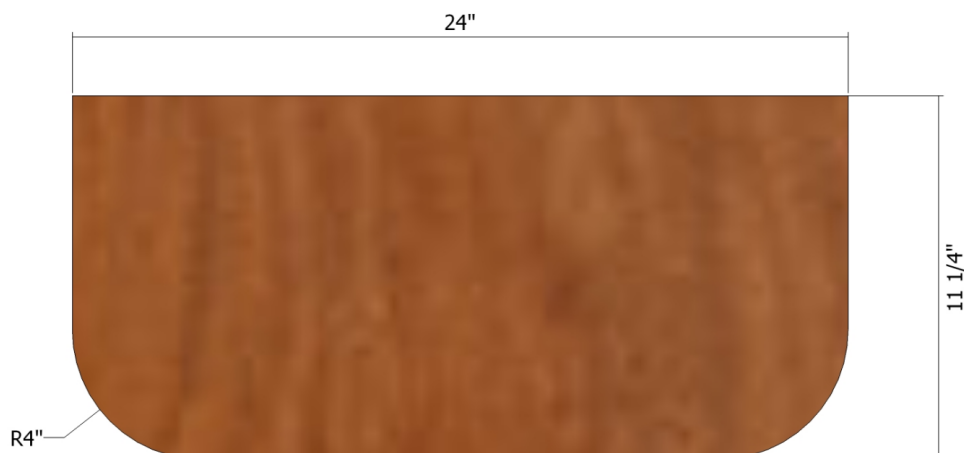
On one of the Seat Rails, drill the vertical pocket holes on the opposite side where the horizontal holes are drilled. This will be the Seat Rail positioned toward the rear of the assembly, with the horizontal holes facing toward the front of the assembly.

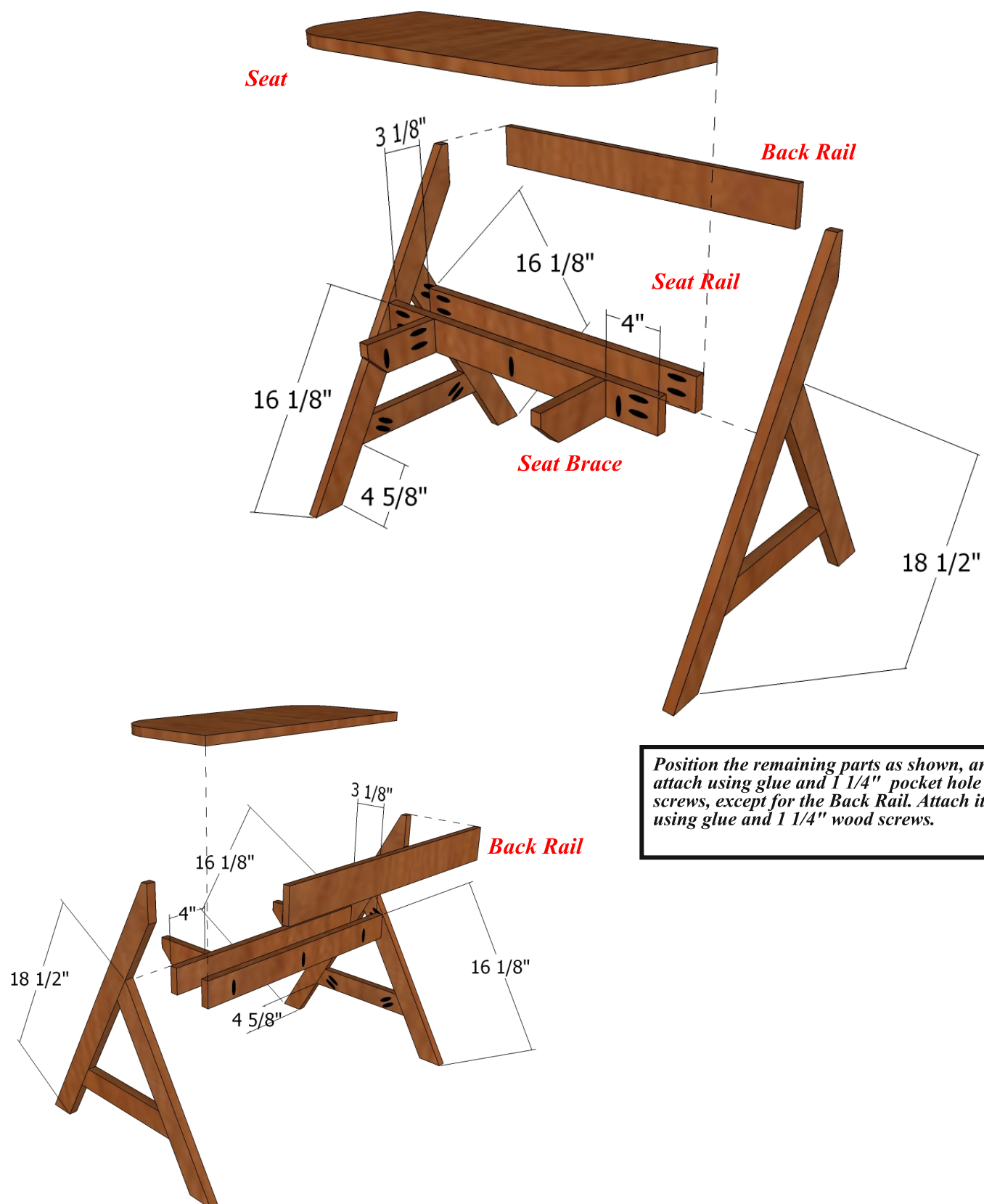


Seat Brace



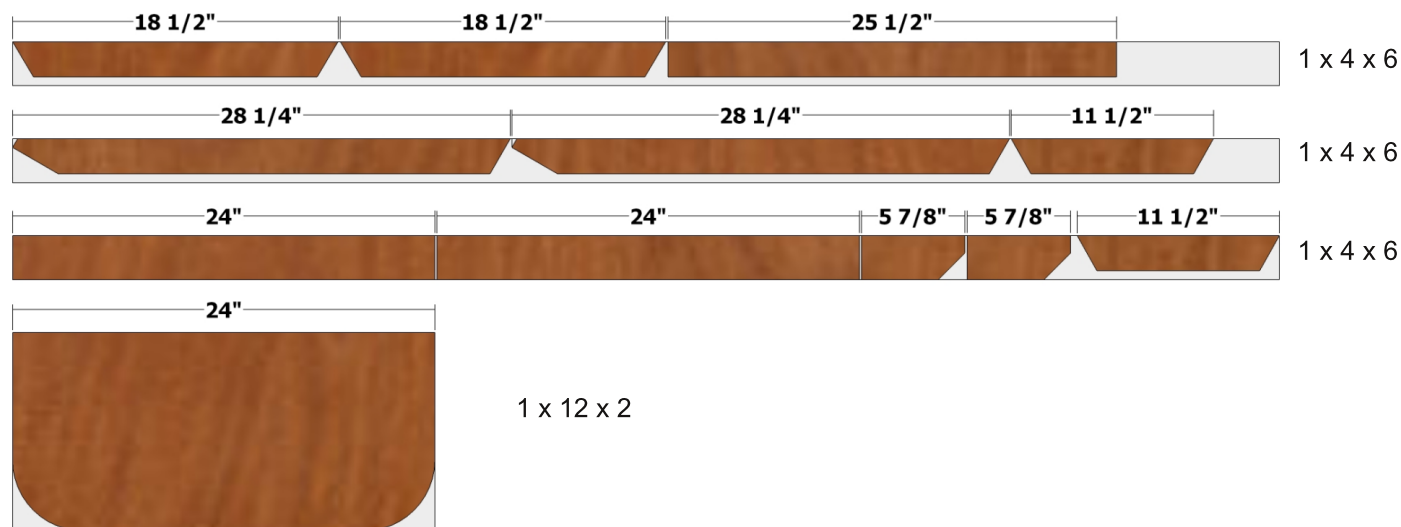
Seat







CUTTING DIAGRAM



PARTS

- Back Legs (2) - 3/4 x 2 x 18 1/2
- Front Legs (2) - 3/4 x 2 x 28 1/4
- End Rails (2) - 3/4 x 2 x 11 1/2
- Seat Rails (2) - 3/4 x 2 1/2 x 24
- Seat Brackets (2) - 3/4 x 2 1/2 x 5 7/8
- Seat (1) - 3/4 x 11 1/4 x 24
- Back Rail (1) - 3/4 x 2 x 25 1/2

Follow ALL SAFETY GUIDELINES AND RECOMMENDATIONS provided by the manufacturers of your tools, and any chemicals such as glue and finishes you use in this project. YOU are responsible for your safety, so use common sense when working in the shop!

