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CHIEF'S SHOP

Plan of the Week

Contact Chris Hill for more details
chief@chiefs-shop.com
205-432-8013

CHIEF'S SHOP PLAN OF THE WEEK



SIMPLE WOODWORKING: DECK CHAIR



WHAT YOU'LL NEED



LUMBER

6 - 1 x 3 x 8

3 - 1 x 6 x 8

(availability will vary)

HARDWARE/SUPPLIES

1 1/4" pocket hole screws

1 1/4" deck screws

wood glue

paint/stain/polyurethane

TOOLS

miter saw

drill/driver

power sander

router w/roundover bit

(optional)

Kreg pocket hole jig

& drill bit

clamps

square

ABOUT THESE PLANS

On this first page you will see above the project complete. On the last page you'll find the finished outer dimensions.

To the right is a list of the Lumber, Hardware/Supplies, and Tools you will need to complete this project. A measuring tape and pencil are not included because that should be pretty standard and self explanatory.

Below What You'll Need is the Parts list. This also is included on the Cutting Diagram page, which is the last page of this plan document.

Throughout these plans you'll find the icons below:



LAYOUT

This indicates a diagram detailing the dimensions of a project part and/or the placement for pocket holes, screws, nails, etc.



NOTE

Notes are the instructions for a particular step/section of the project.



TAKE CARE!

This indicates when to pay close attention to the diagrams, take precautions for safety, etc.



PARTS



Front Legs (2) - 3/4 x 5 1/2 x 12 11/16

Leg Supports (2) - 3/4 x 5 1/2 x 30 1/16

Front Rail (1) - 3/4 x 5 1/2 x 24

Stop (1) - 3/4 x 5 1/2 x 27

Back Legs (2) - 3/4 x 5 1/2 x 40 1/16

Back Rail (1) - 3/4 x 5 1/2 x 25 1/2

Slats (16) - 3/4 x 2 1/2 x 28

All parts are listed in actual dimensions. Refer to the Cutting Diagram on the last page of this plan as a guide for determining the specific board from which to cut the parts.

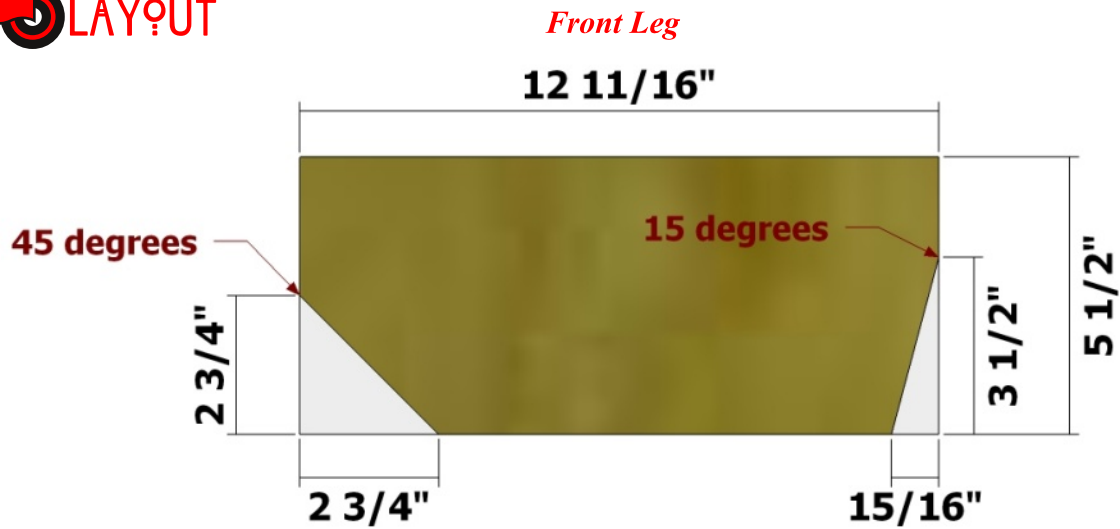


MORE PLANS

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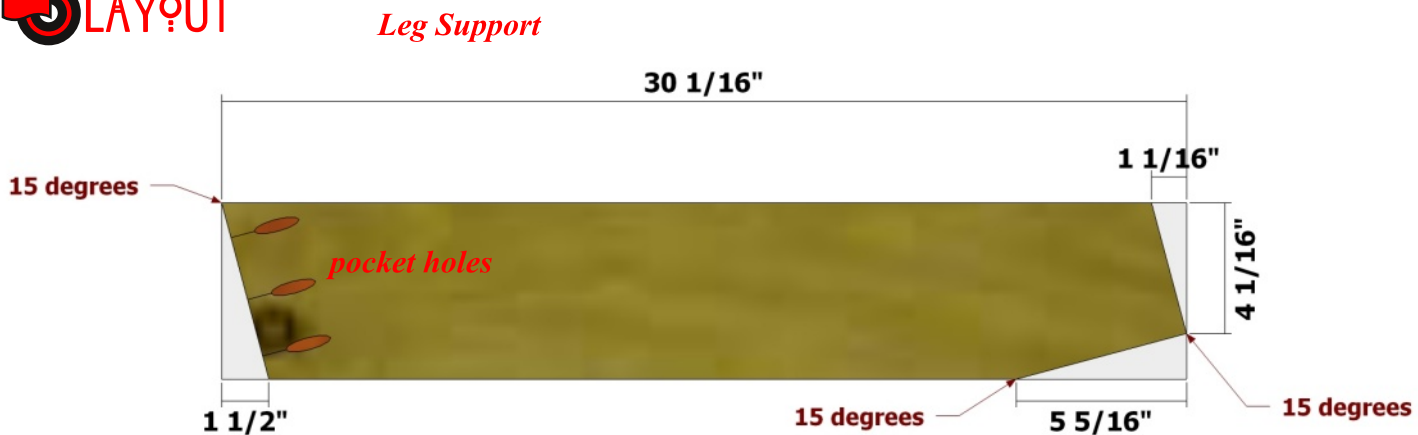
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LAYOUT

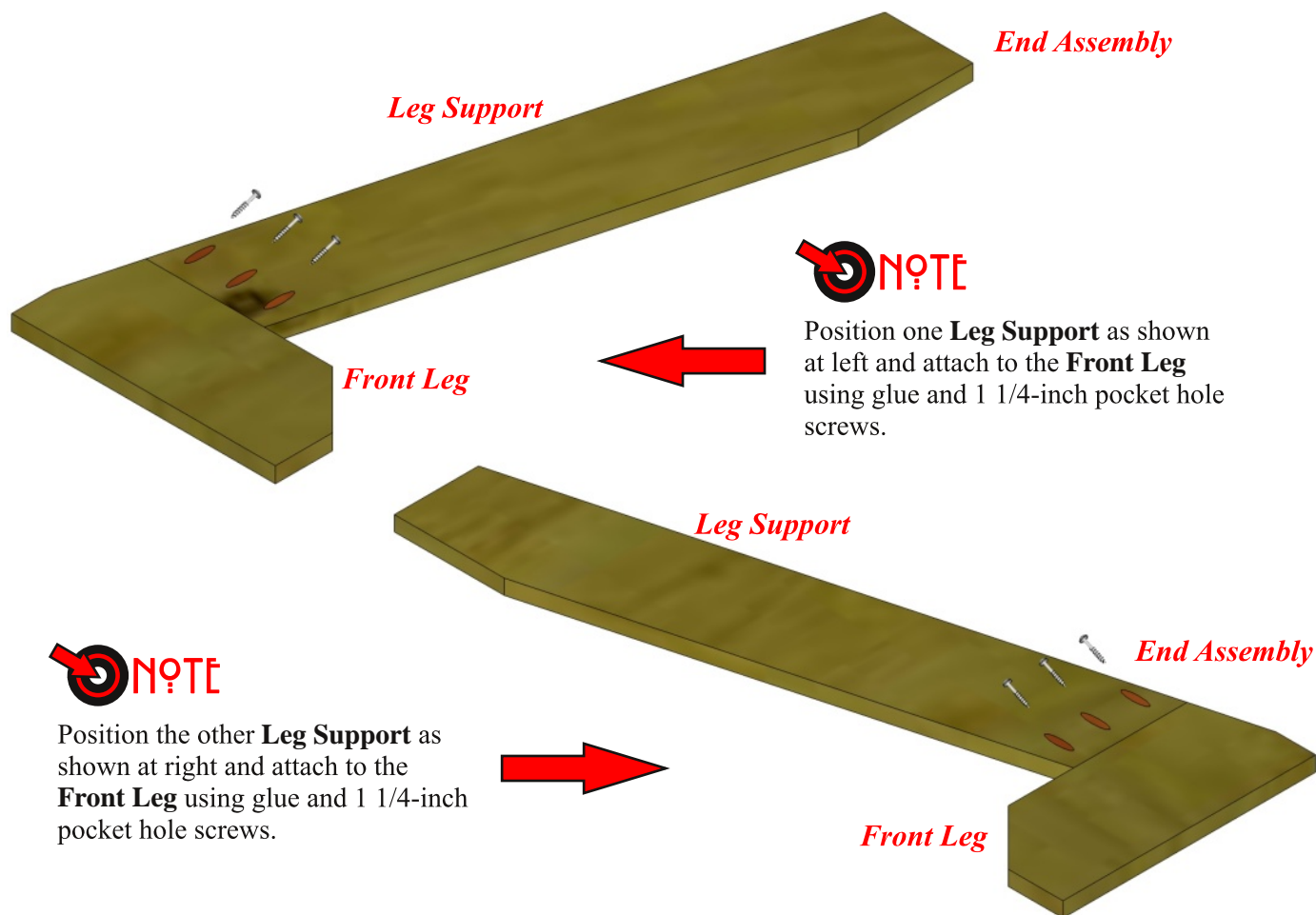


NOTE Use the layout as a guide for measuring, marking, and cutting the **Front Legs**.

LAYOUT

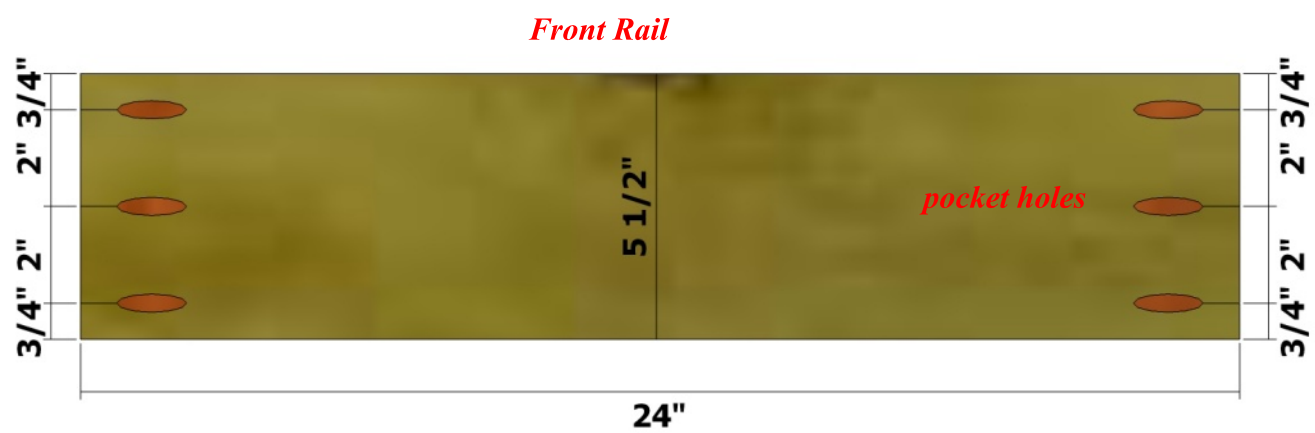


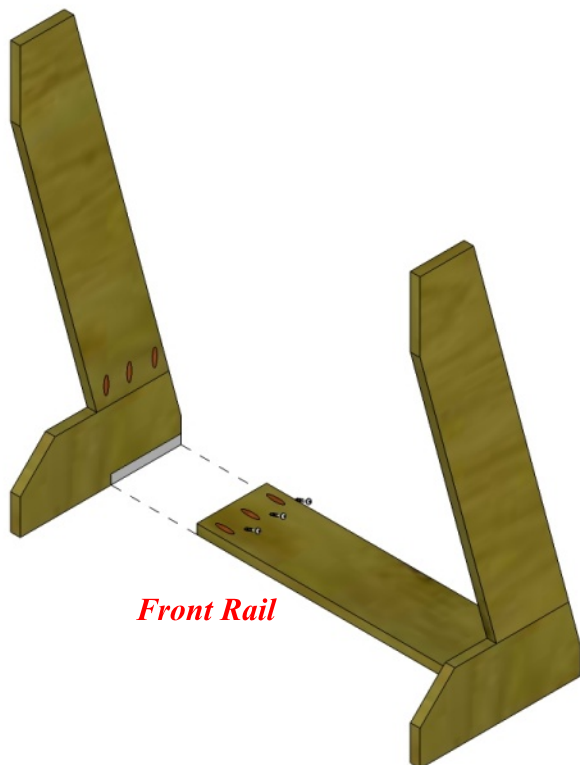
NOTE Use the layout as a guide for measuring, marking, cutting, and drilling pocket holes in the **Leg Supports**. For one **Leg Support**, be sure to drill pocket holes on the opposite face as shown above, creating the parts as mirror images of each other. Set your pocket hole jig and drill bit for 3/4-inch stock.



LAYOUT

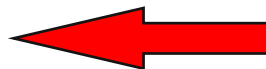
NOTE Use the layout as a guide for measuring, marking, cutting, and drilling pocket holes in the **Front Rail**. Set your pocket hole jig and drill bit for 3/4-inch stock.





NOTE

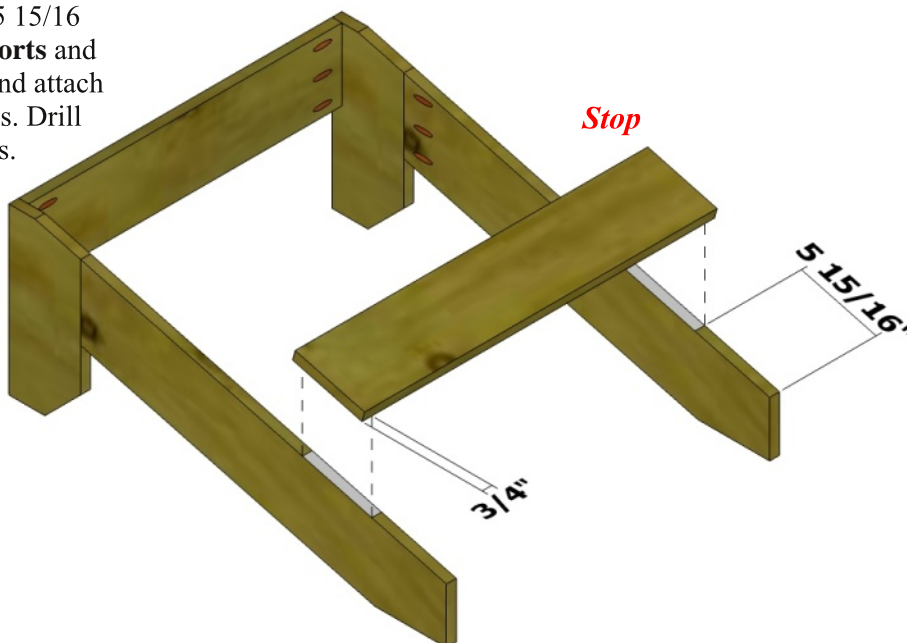
Position the **Front Rail** as shown at left (flush with the end of the **Front Legs**) and attach using glue and 1 1/4-inch pocket hole screws.



Front Rail

NOTE

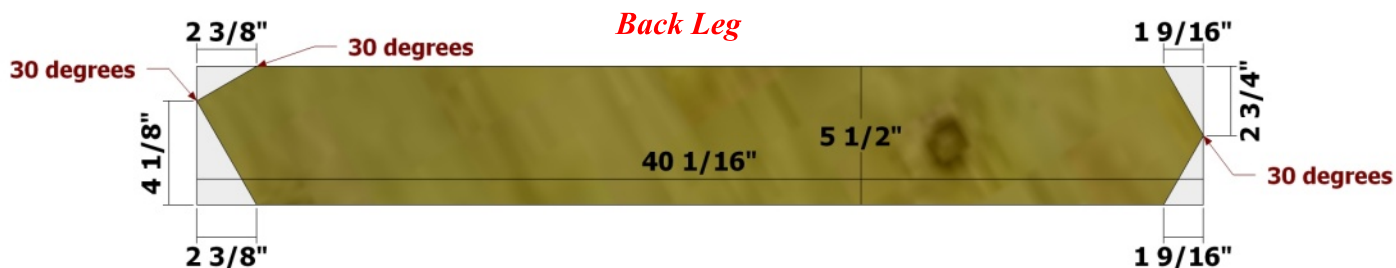
Position the **Stop** as shown at right (5 15/16 inches from the end of the **Leg Supports** and overhanging the edges by 3/4 inch) and attach using glue and 1 1/4-inch deck screws. Drill countersunk pilot holes for the screws.



Stop

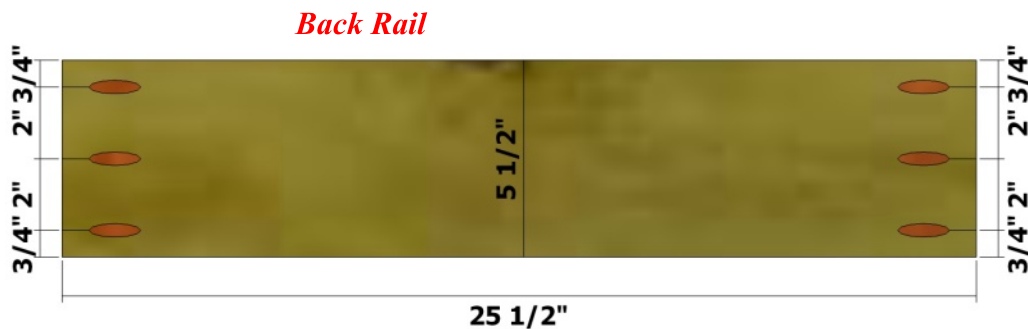
LAYOUT

NOTE Use the layout as a guide for measuring, marking, and cutting the **Back Legs**.



LAYOUT

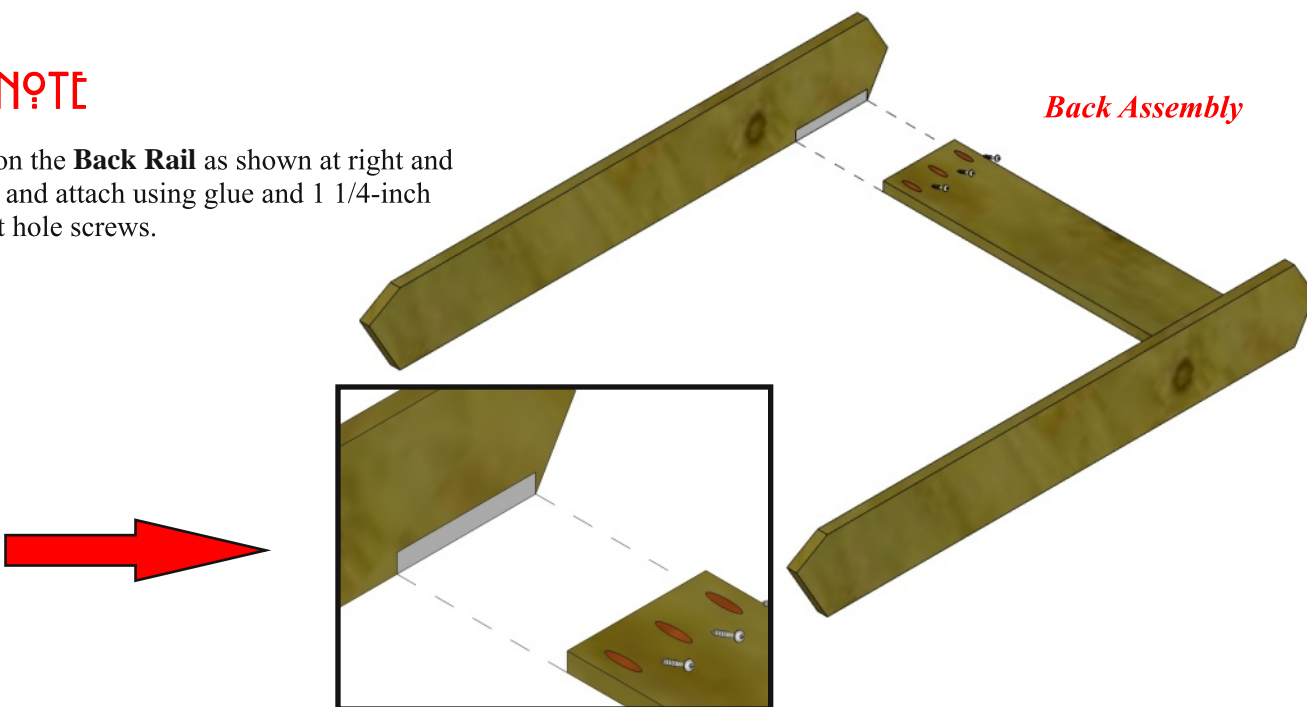
NOTE Use the layout as a guide for measuring, marking, cutting, and drilling pocket holes in the **Back Rail**. Set your pocket hole jig and drill bit for 3/4-inch stock.



NOTE

Position the **Back Rail** as shown at right and below and attach using glue and 1 1/4-inch pocket hole screws.

Back Assembly

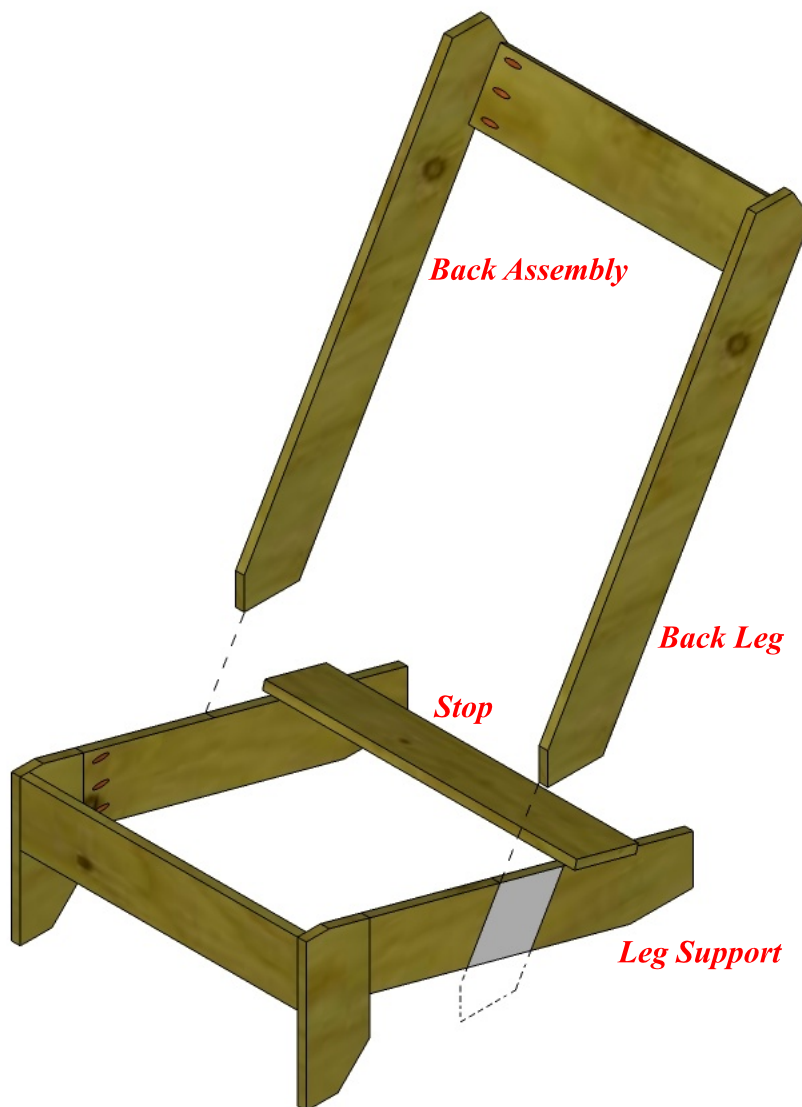


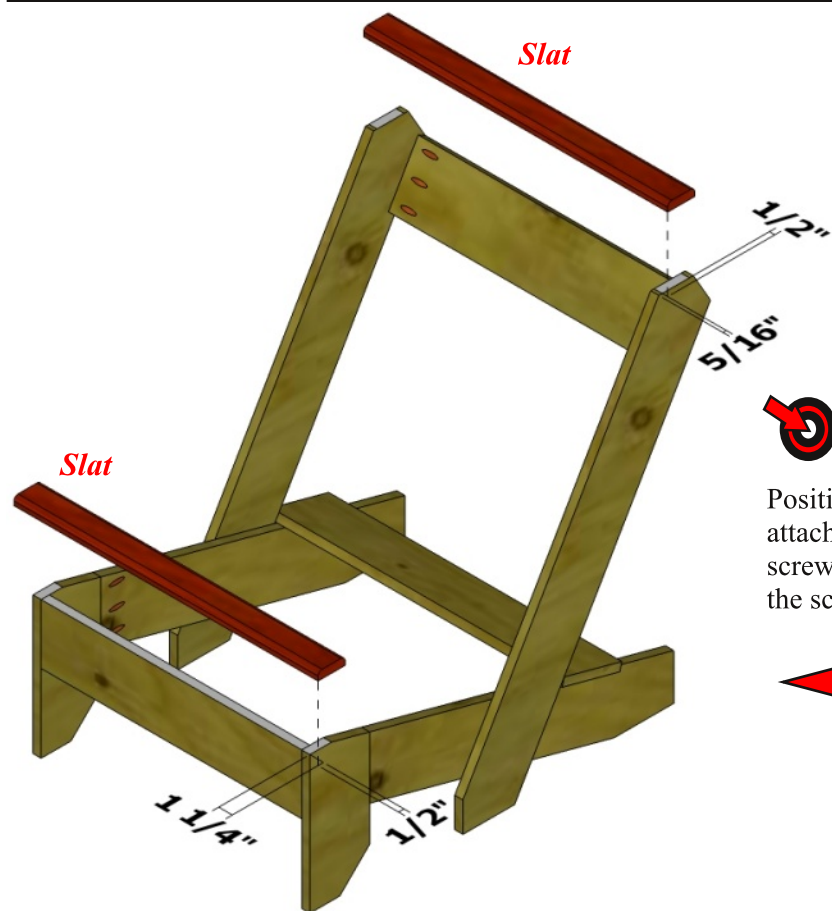
 **NOTE**

Position the **Back Assembly** as shown (resting against the **Stop** and in line with the bottom of the **Front Legs** and **Leg Supports**) and attach using glue 1/4-inch deck screws.

Drill countersunk pilot holes for the screws, and drive the screws through the **Leg Supports** from inside the assembly and into the **Back Legs**. **Do not drive the screws too far or they will penetrate completely through the Back Legs.**

Make sure you are working on a flat workbench or shop floor and clamp the Back Assembly in place when driving the screws.





NOTE
Before cutting the **Slats** to length, sand a roundover on the corners of one face of the 1 x 3s, or use a router fitted with a roundover bit to cut a roundover on the corners.



NOTE
Position two **Slats** as shown at left and attach using glue and 1 1/4-inch deck screws. Drill countersunk pilot holes for the screws.



NOTE
Position one **Slat** as shown at right (flush against the **Back Legs**) and attach using glue and 1 1/4-inch deck screws. Drill countersunk pilot holes for the screws.





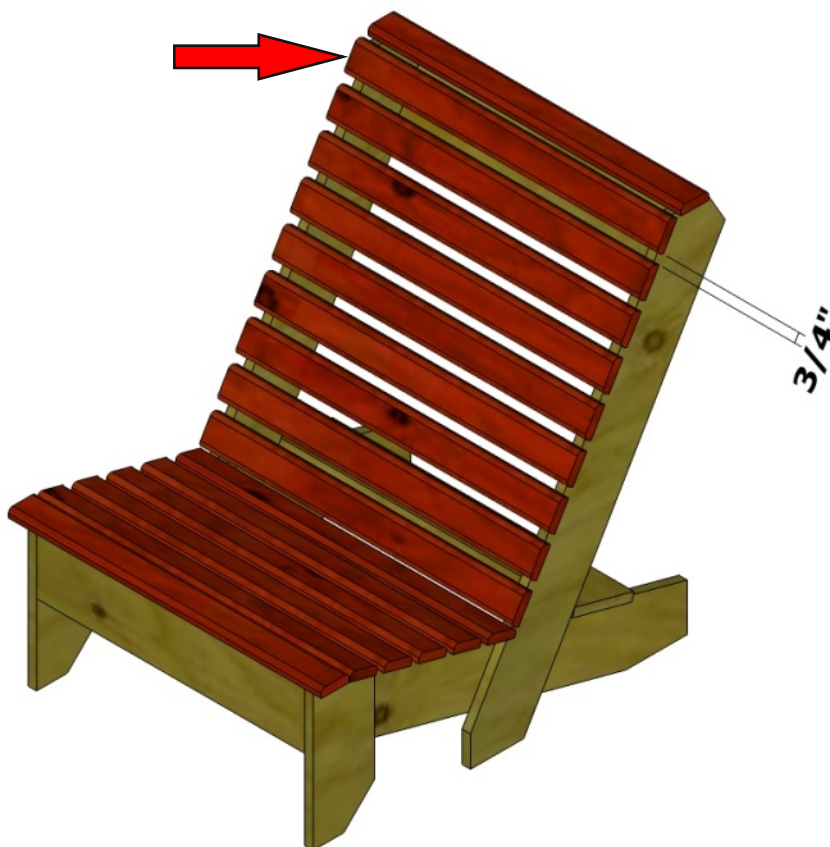
NOTE

Beginning adjacent to the **Slat** abutting the **Back Legs**, position four **Slats** as shown at left (space $1\frac{1}{16}$ inch apart) and attach using glue and $1\frac{1}{4}$ -inch deck screws. Drill countersunk pilot holes for the screws.

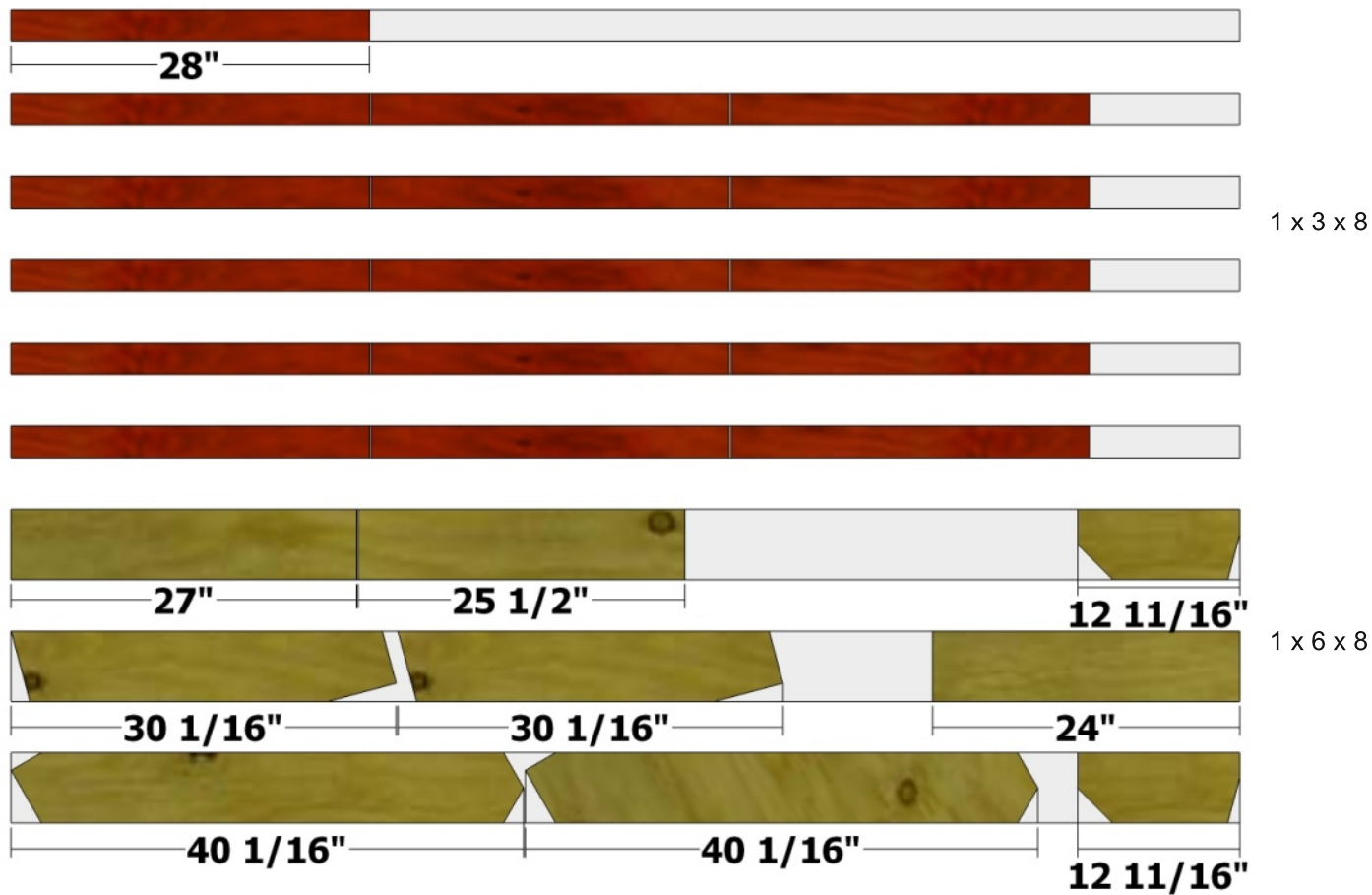
NOTE

Position one **Slat** as shown at right (flush against the top angle cut on the **Back Legs** - see arrow) and attach using glue and $1\frac{1}{4}$ -inch deck screws. Drill countersunk pilot holes for the screws.

Position the remaining **Slats** in descending order positioned $\frac{3}{4}$ inch apart and attach using glue and $1\frac{1}{4}$ -inch deck screws. Drill countersunk pilot holes for the screws.



K CUTTING DIAGRAM



TAKE CARE!

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!

PARTS

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