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CHIEF'S SHOP

Plan of the Week

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CHIEF'S SHOP PLAN OF THE WEEK

SIMPLE WOODWORKING: PARTY CHAIR



WHAT YOU'LL NEED



LUMBER

5 - 1 x 3 x 8

5 - 1 x 6 x 8

(availability will vary)

HARDWARE/SUPPLIES

1 1/4" pocket hole screws

1 1/4" galvanized brads

wood glue

paint/stain/polyurethane

TOOLS

miter saw

jig saw

drill/driver

pneumatic nailer

or hammer

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

Back Legs (2) - 3/4 x 5 1/2 x 40 1/8
 Front Legs (2) - 3/4 x 5 1/2 x 25
 Top End Rails (2) - 3/4 x 5 1/2 x 24 3/4
 Bottom End Rails (2) - 3/4 x 2 1/2 x 24 3/4
 Base Slats (3) - 3/4 x 2 1/2 x 12 1/4
 Top Side Rails (2) - 3/4 x 5 1/2 x 26 3/4
 Bottom Side Rails (2) - 3/4 x 2 1/2 x 26 3/4
 Short Legs (4) - 3/4 x 5 1/2 x 16
 Stretcher (1) - 3/4 x 5 1/2 x 23 1/4
 Front Seat Slat (1) - 3/4 x 5 1/2 x 28 1/4
 Seat/Back Slats (9) - 3/4 x 2 1/2 x 29 3/4
 Brackets (4) - 3/4 x 5 1/2 x 4 1/8
 Arms (2) - 3/4 x 5 1/2 x 28 1/4
 Top Back Slat (1) - 3/4 x 5 1/2 x 29 3/4

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.

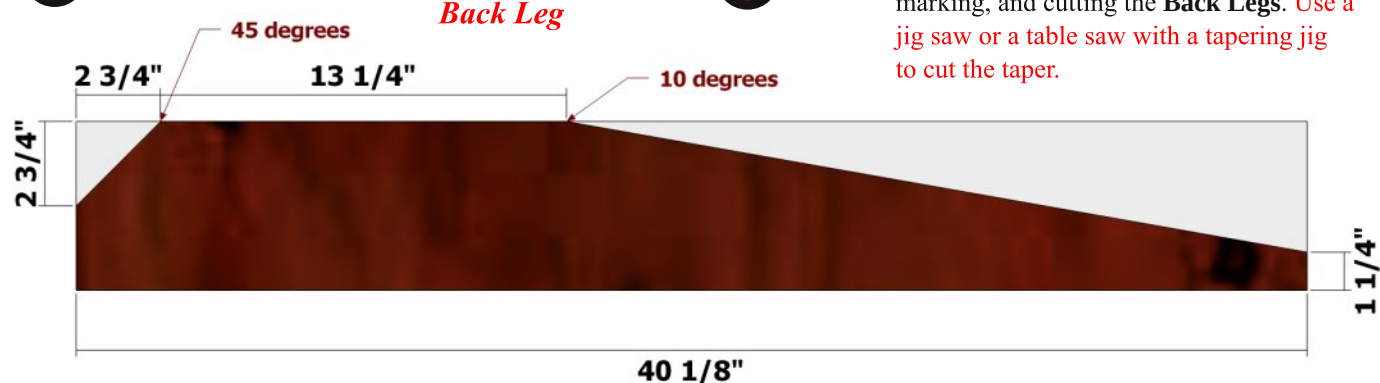


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LAYOUT



NOTE

Use the layout as a guide for measuring, marking, and cutting the **Back Legs**. Use a jig saw or a table saw with a tapering jig to cut the taper.

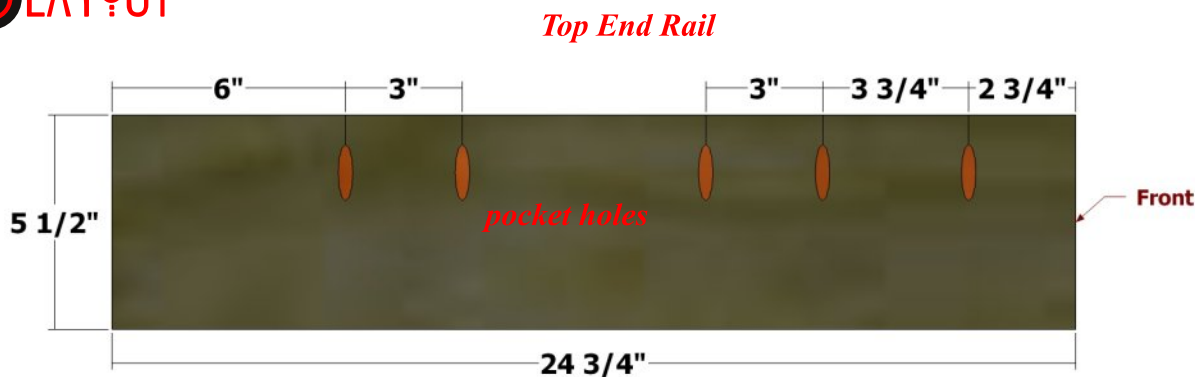
LAYOUT



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 **Top End Rails**. Set your pocket hole jig and drill bit for 3/4-inch stock.

LAYOUT

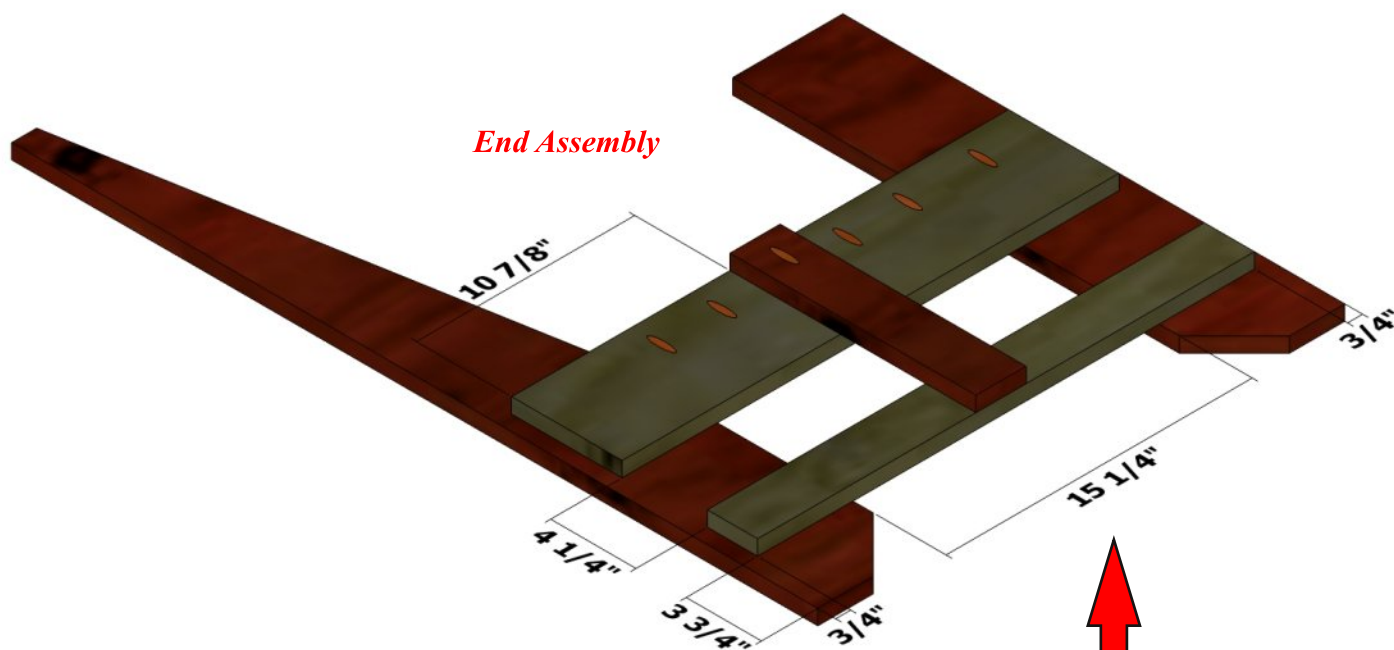
Base Slat



NOTE

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

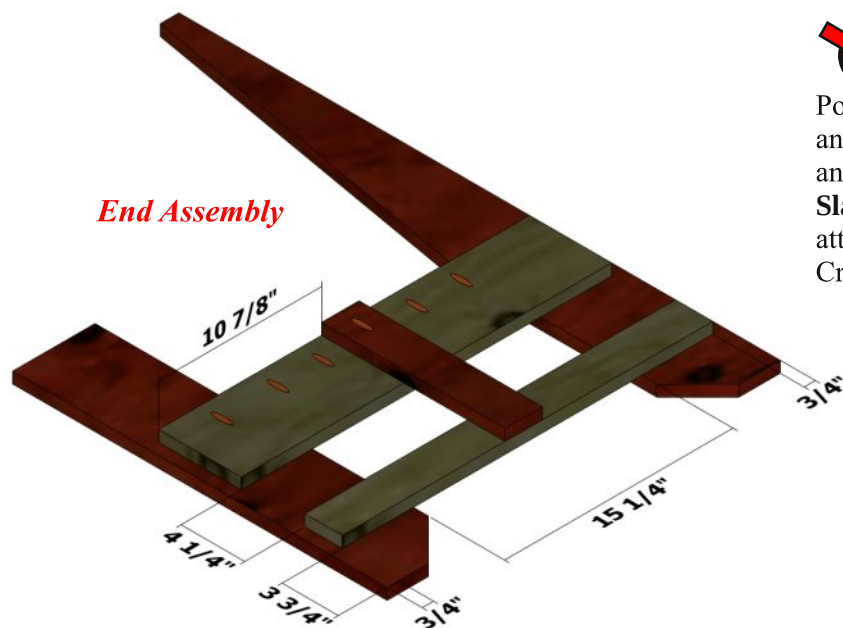
End Assembly



NOTE

Position the **Top** and **Bottom End Rails** as shown and attach to the **Back** and **Front Legs** using glue and 1 1/4-inch galvanized brads. Position a **Base Slat** centered on the **End Rails** as shown and attach using glue and 1 1/4-inch galvanized brads. Create two assemblies as shown.

End Assembly



LAYOUT

Top Side Rail



NOTE

Use the layouts as guides for measuring, marking, cutting, and drilling pocket holes in the **Top** and **Bottom Side Rails**. Set your pocket hole jig and drill bit for 3/4-inch stock.

Bottom Side Rail



LAYOUT

Short Leg



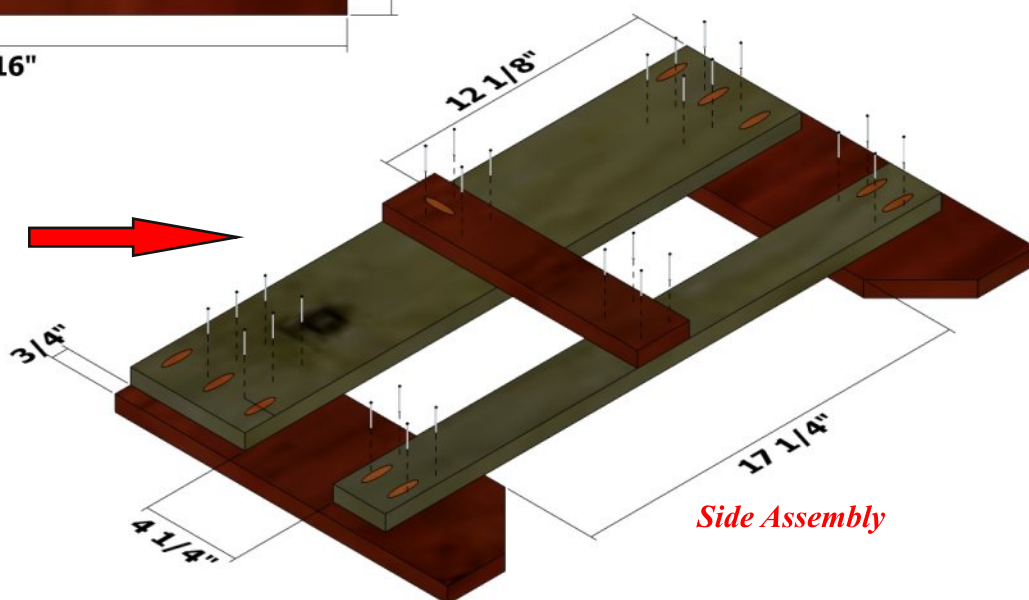
NOTE

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



NOTE

Position the **Top** and **Bottom Side Rails** as shown and attach to the **Short Legs** using glue and 1 1/4-inch galvanized brads. Make two assemblies. Position the remaining **Base Slat** with the pocket hole centered on the **End Rails** on one assembly as shown and attach using glue and 1 1/4-inch galvanized brads.



 NOTE

Position one **End Assembly** flush with one **Side Assembly** as shown and attach using glue and 1 1/4-inch pocket hole screws. The **Top** and **Bottom Side Rails** will overlap the **Top** and **Bottom End Rails**. Make sure the bottom ends of the **Short Legs** and **Front Legs** are flush.

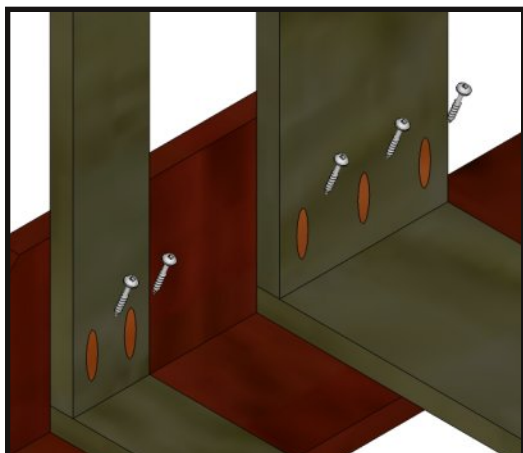


Side Assembly

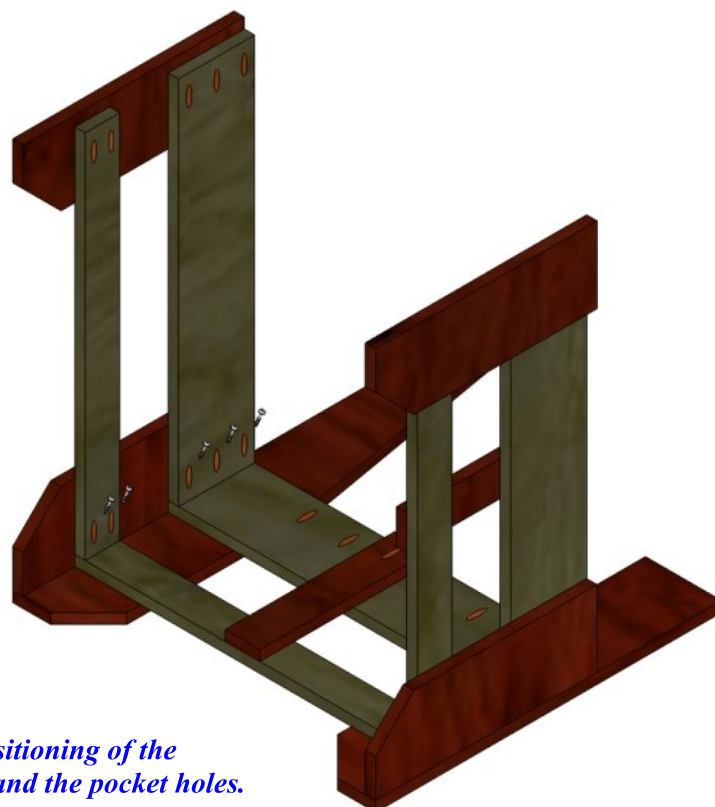
End Assembly

 NOTE

Position the remaining **End Assembly** as shown and attach using glue and 1 1/4-inch pocket hole screws.



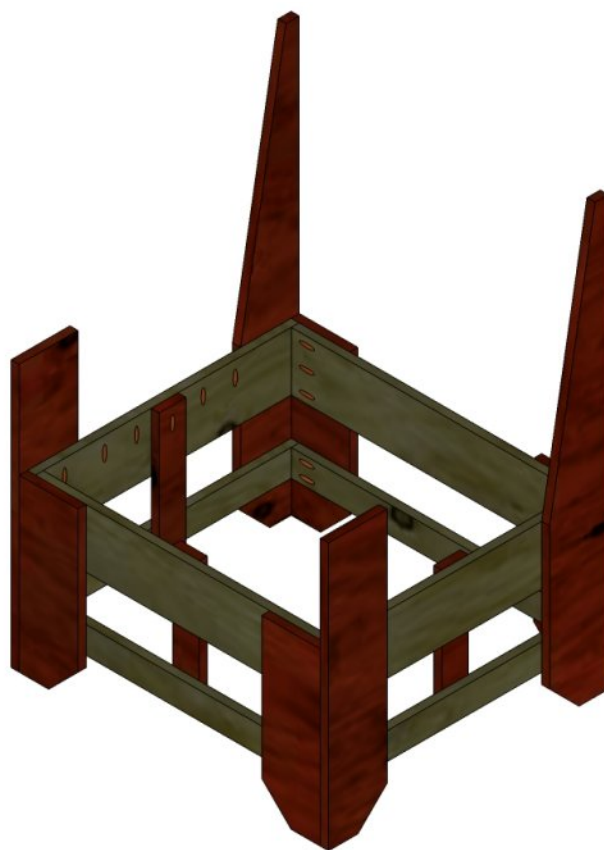
Note the positioning of the assemblies and the pocket holes.





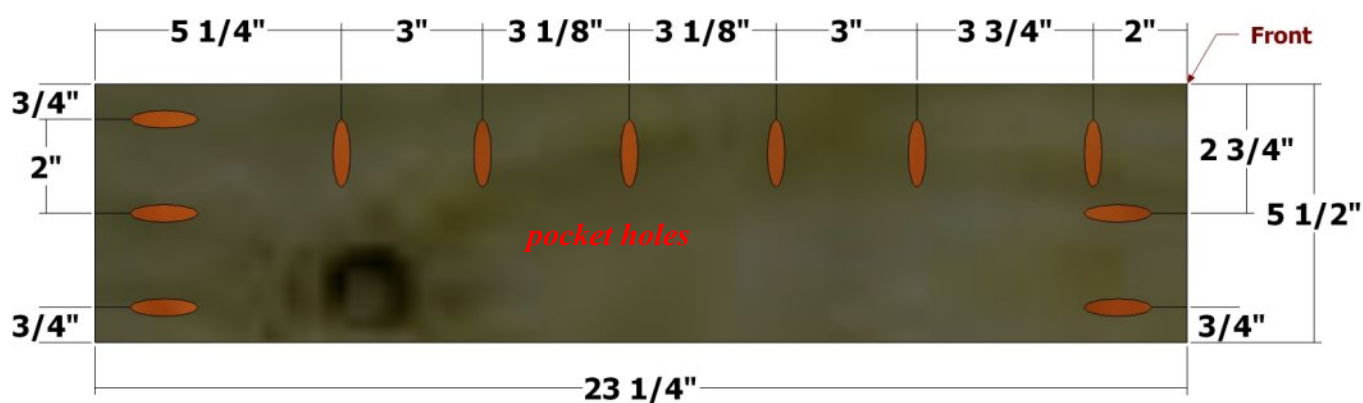
NOTE

Position the remaining **Side Assembly** as shown and attach using glue and 1 1/4-inch pocket hole screws. Check for square and make any adjustments as needed.



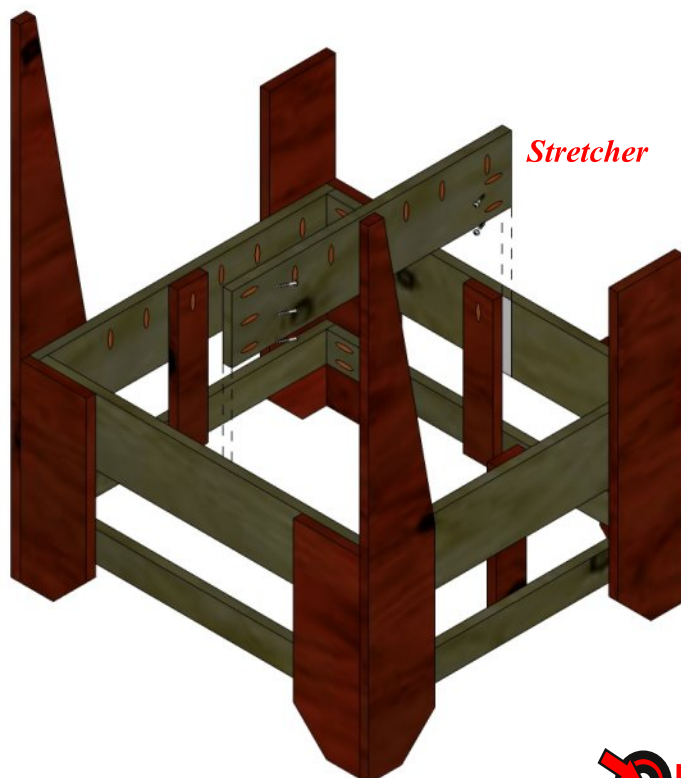
LAYOUT

Stretcher

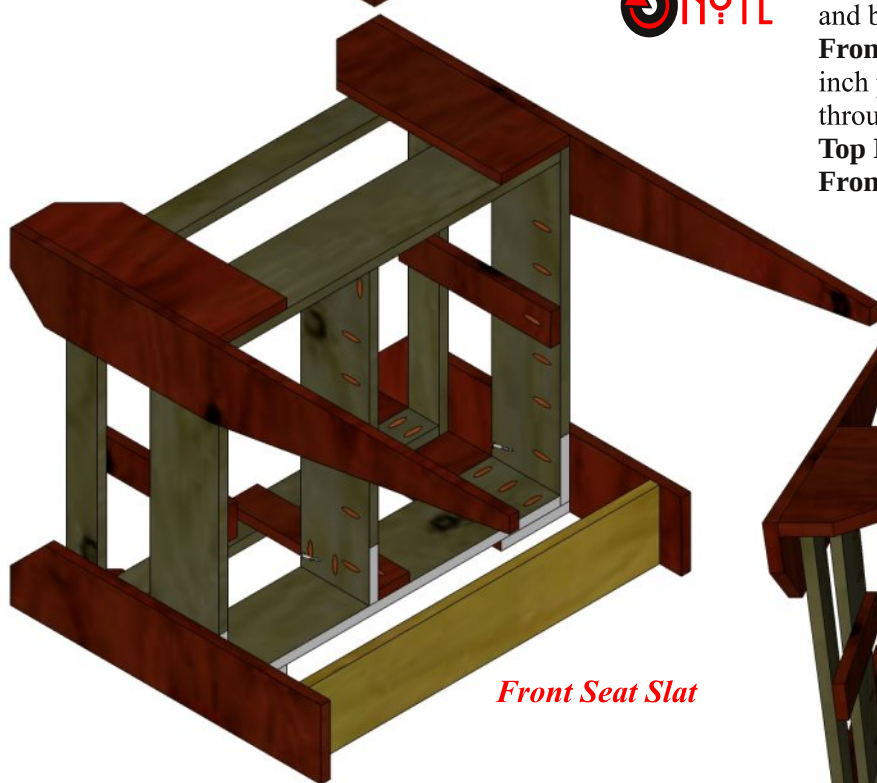


NOTE

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

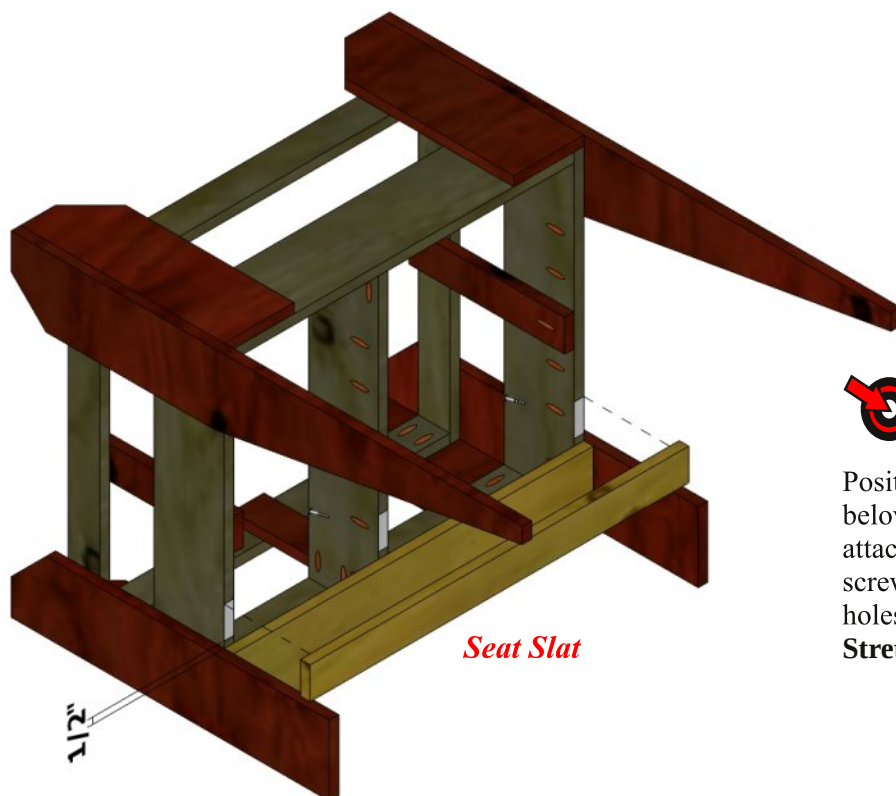


Position the **Stretcher** as shown (flush against the **Base Slat** and top edge of the **Top Side Rails**) and attach using glue and 1 1/4-inch pocket hole screws.

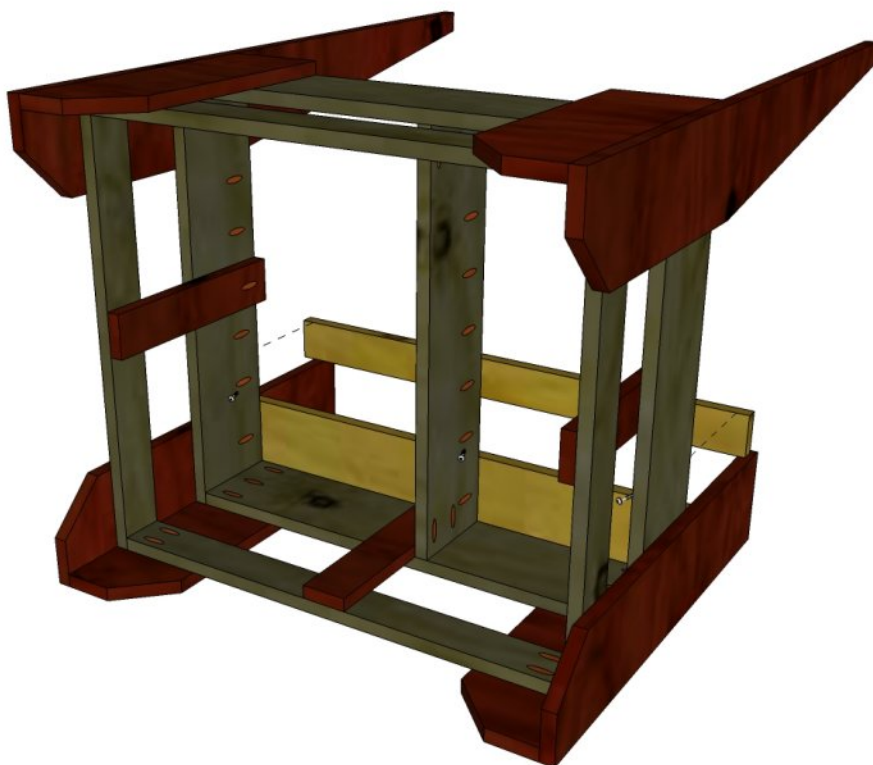


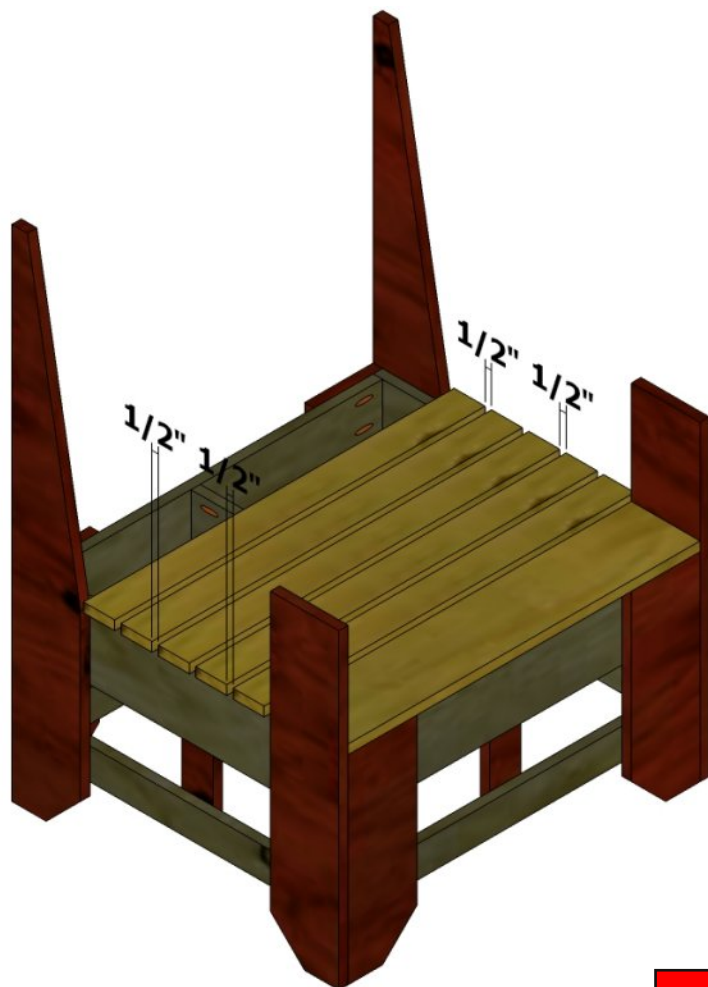
Position the **Front Seat Slat** as shown at left and below (flush with the front edge of the **Front Legs**), and attach using glue and 1 1/4-inch pocket hole screws. Drive the screws through the pocket holes in the center **Base Slat**, **Top End Rails**, and **Stretcher** and into the **Front Seat Slat**.





Position a **Seat/Back Slat** as shown at left and below (1/2-inch from the **Front Seat Slat**), and attach using glue and 1 1/4-inch pocket hole screws. Drive the screws through the pocket holes in the center **Top End Rails**, and **Stretcher** and into the **Seat/Back Slat**.

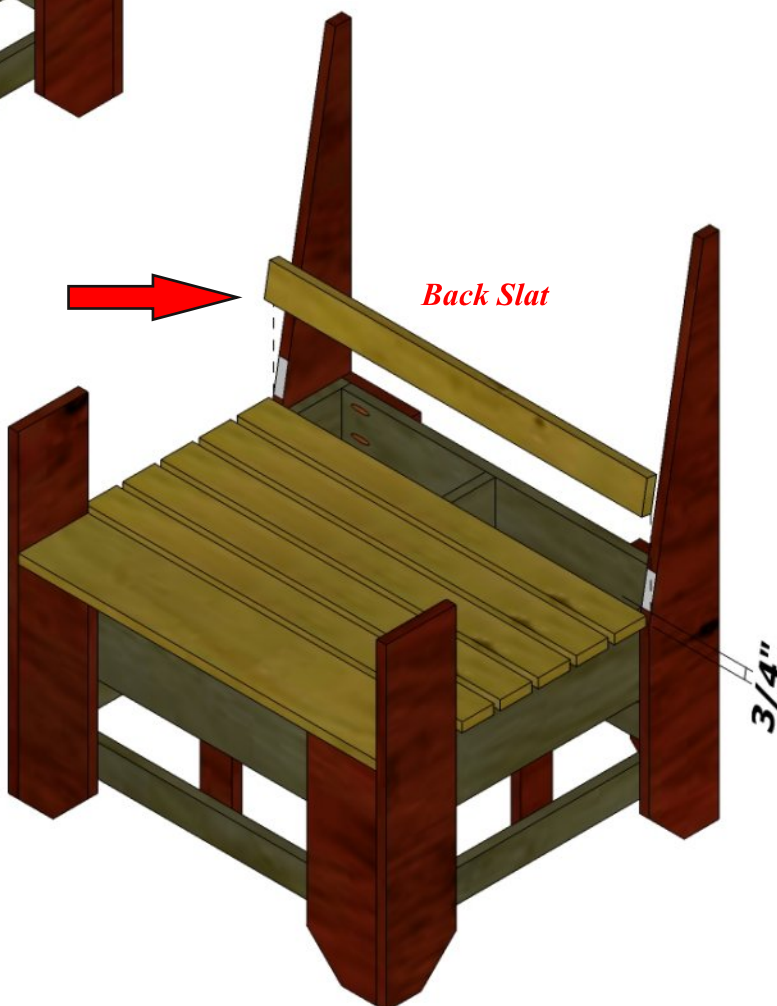




Position four more **Seat/Back Slats** as shown at left (1/2-inch apart), and attach using glue and 1 1/4-inch pocket hole screws. Drive the screws through the pocket holes in the center **Top End Rails** and **Stretcher** and into the **Seat/Back Slats**. For one **Seat/Back Slat**, you will drive a screw through the **Base Slats**.

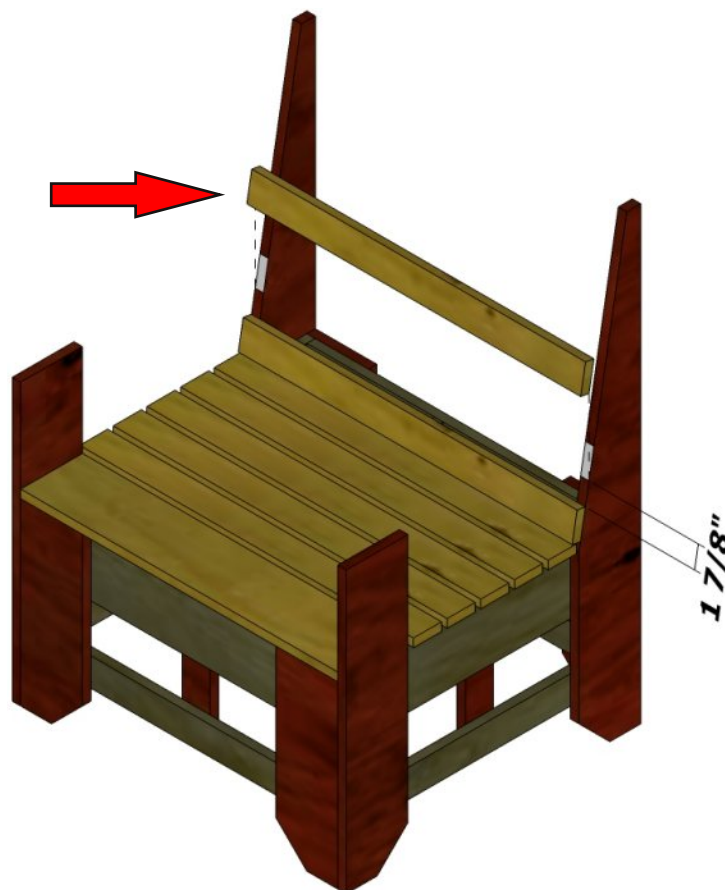


Position one **Seat/Back Slat** as shown at right (3/4-inch up from the start of the angle on the **Back Leg**), and attach using glue and 1 1/4-inch galvanized brads. *You can simply rest this Slat on the last Slat attached to the seat area.*



NOTE

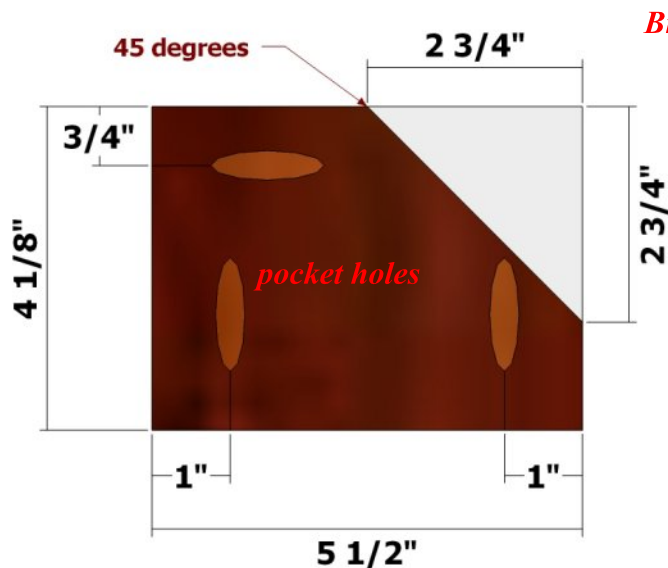
Position one more **Seat/Back Slat** as shown at right (1 7/8-inch up from the first **Back Slat**), and attach using glue and 1 1/4-inch galvanized brads.



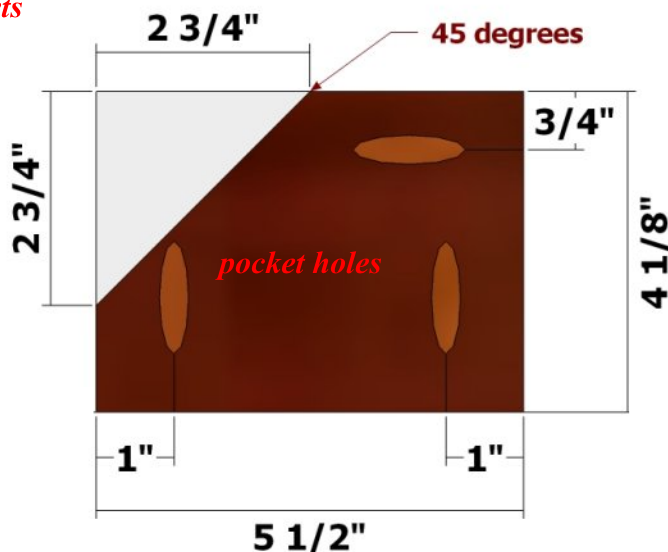
LAYOUT

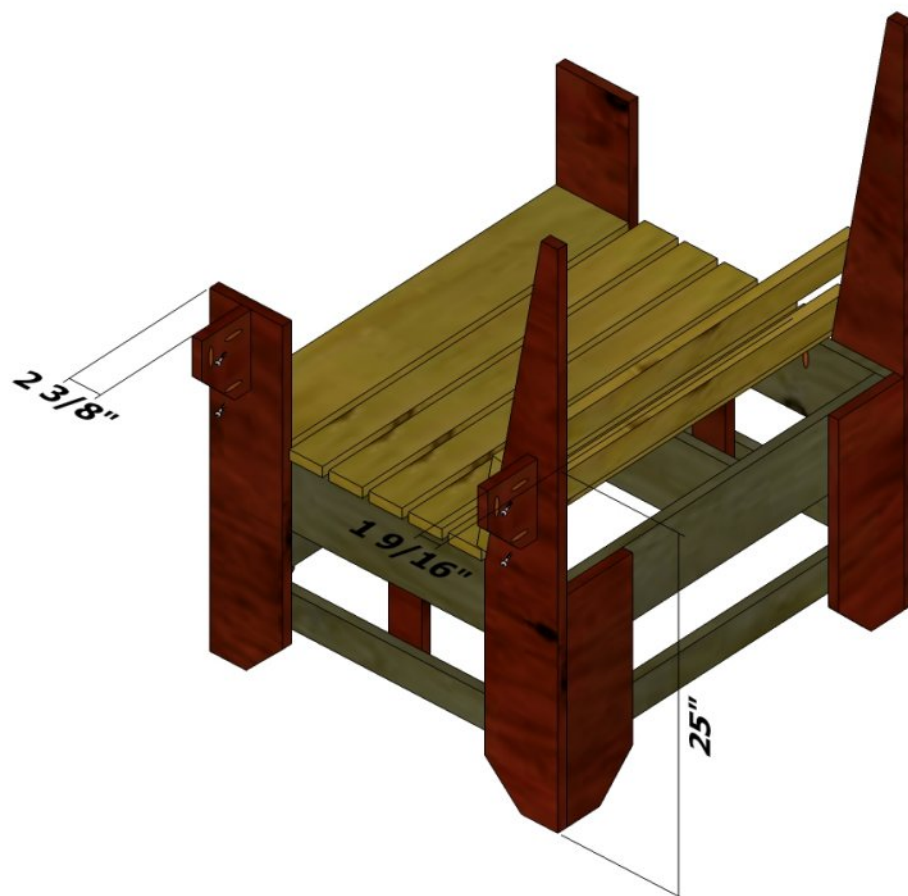
NOTE

Use the layouts as guides for measuring, marking, cutting, and drilling pocket holes in the **Brackets**. Set your pocket hole jig and drill bit for 3/4-inch stock. Create two of each.

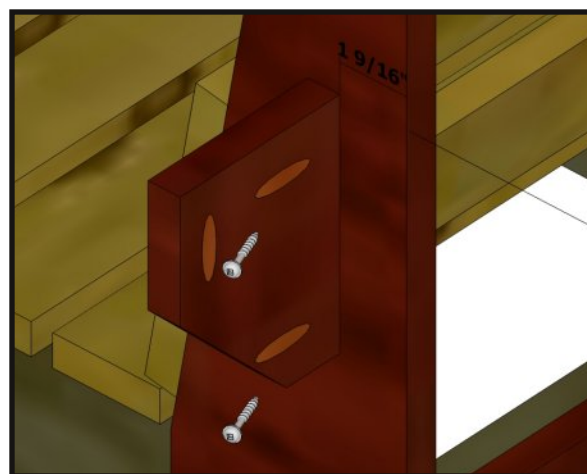
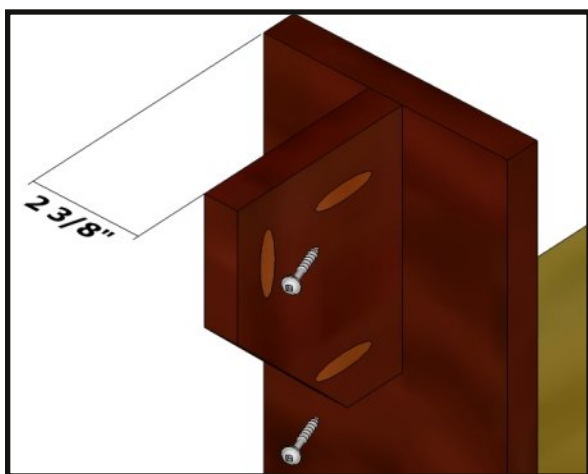


Brackets





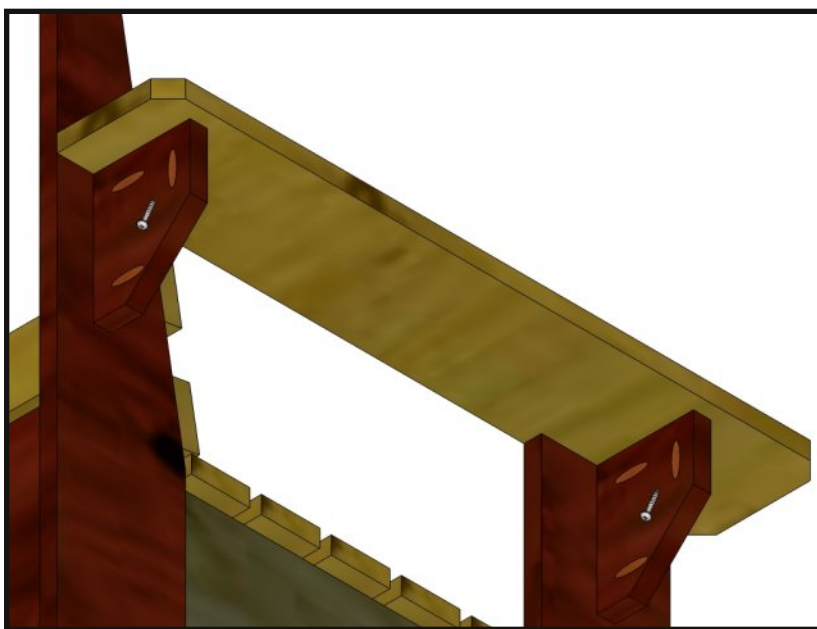
Position the **Brackets** as shown and attach using glue and 1 1/4-inch pocket hole screws. Repeat on the other side. Use a square to help in positioning.



LAYOUT



NOTE Use the layout as a guide for measuring, marking, and cutting the **Arms**. Create two.



NOTE

Position the **Arms** as shown (with the notch resting against the **Back Leg**, and the inside edge flush with the inside face of the **Front Leg**) and attach using glue and 1 1/4-inch pocket hole screws underneath, and 1 1/4-inch galvanized brads above. Drive the brads through the **Arms** and into the **Brackets** and **Front Leg**. Repeat on the other side.

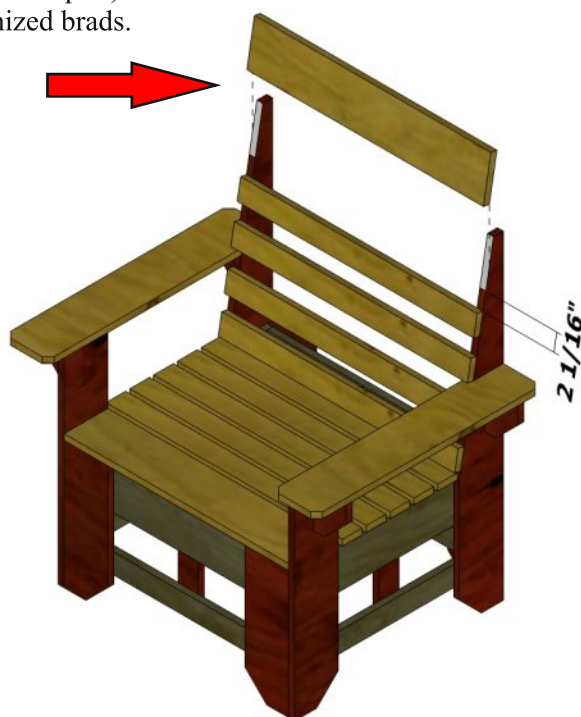
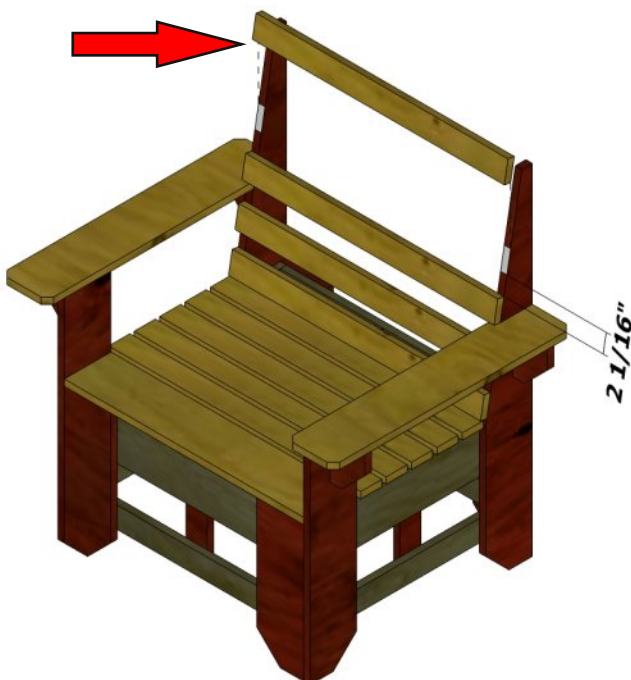


NOTE

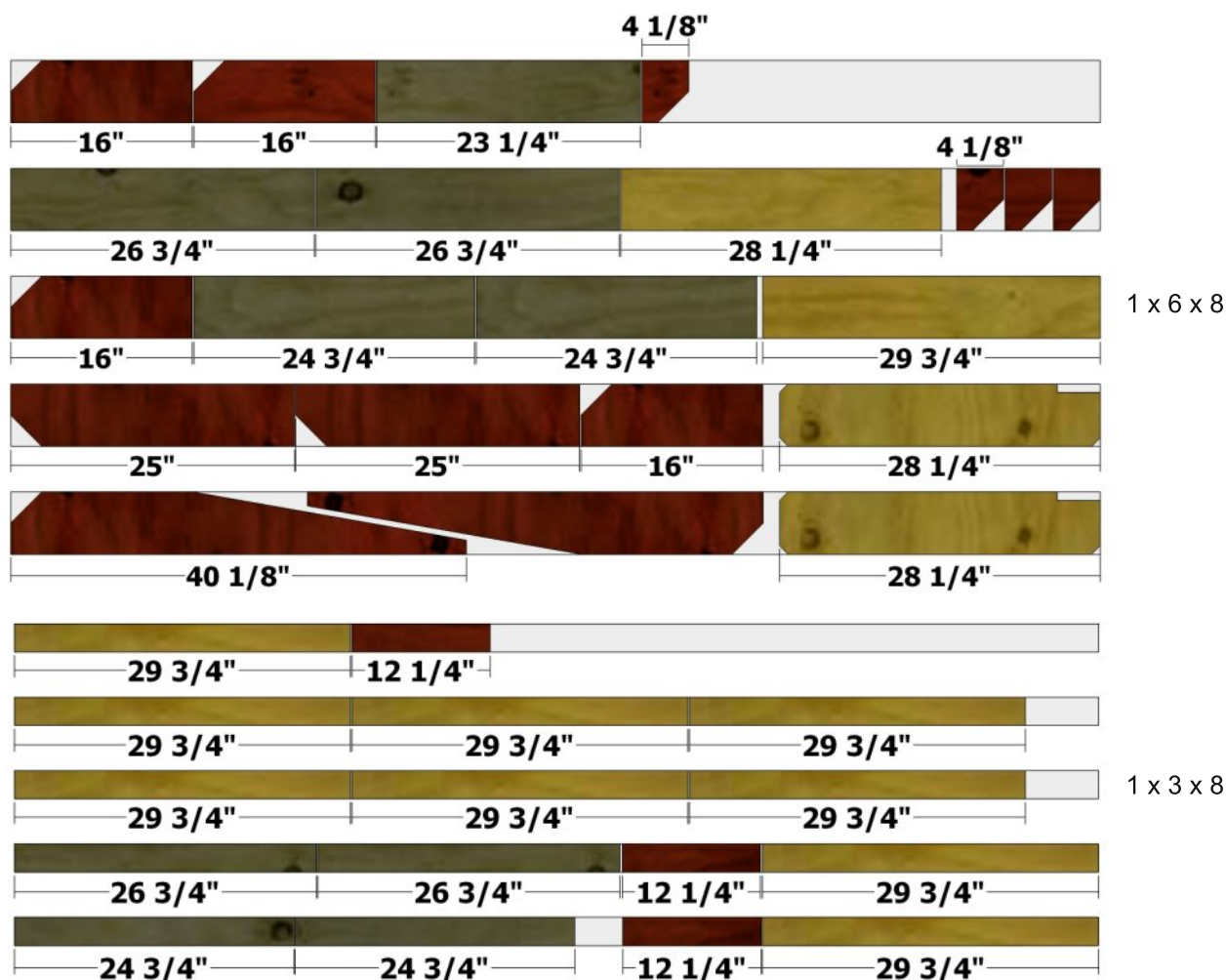
Position another **Seat/Back Slat** as shown at left (resting on the **Arms**) and attach using glue and 1 1/4-inch galvanized brads.

NOTE

Position the remaining **Seat/Back Slat** and the Top Back Slat as shown below (spaced 2 1/16 inches apart) and attach using glue and 1 1/4-inch galvanized brads.



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

- Back Legs (2) - 3/4 x 5 1/2 x 40 1/8
- Front Legs (2) - 3/4 x 5 1/2 x 25
- Top End Rails (2) - 3/4 x 5 1/2 x 24 3/4
- Bottom End Rails (2) - 3/4 x 2 1/2 x 24 3/4
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- Brackets (4) - 3/4 x 5 1/2 x 4 1/8
- Arms (2) - 3/4 x 5 1/2 x 28 1/4
- Top Back Slat (1) - 3/4 x 5 1/2 x 29 3/4

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