

CHIEF'S SHOP PLAN OF THE WEEK



PLANK CHAIR



WHAT YOU'LL NEED



LUMBER

2 - 2 x 4 x 8
1 - 2 x 6 x 8
1 - 2 x 10 x 8
3 - 3 x 3 x 8

(availability will vary)

HARDWARE/SUPPLIES

2 1/2" pocket hole screws
2 1/2" wood screws
wood glue
pocket hole plugs/wood filler
paint, stain, polyurethane,
or sealer

TOOLS

miter saw, table saw, jig saw
sander/belt sander
drill/driver
Kreg Pocket Hole Jig
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. Be sure to read ALL of the project steps before you start.

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 next to 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.



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PARTS



legs (4) - 2-1/2 x 2-1/2 x 24
top rails (2) - 2-1/2 x 2-1/2 x 18
bottom rails (2) - 2-1/2 x 2-1/2 x 18
front rail - 2-1/2 x 2-1/2 x 18-1/2
back rail - 2-1/2 x 2-1/2 x 18-1/2
back stretcher - 1-1/2 x 3-1/2 x 18-1/2
front stretcher - 1-1/2 x 3-1/2 x 18-1/2
front seat slat - 1-1/2 x 3-1/2 x 18-1/2
seat slats (5) - 1-1/2 x 3-1/2 x 25
arms (2) - 1-1/2 x 4 x 25-15/16
back rest - 1-1/2 x 3-1/2 x 26-1/2
planks (2) - 1-1/2 x 9-1/4 x 41-7/16

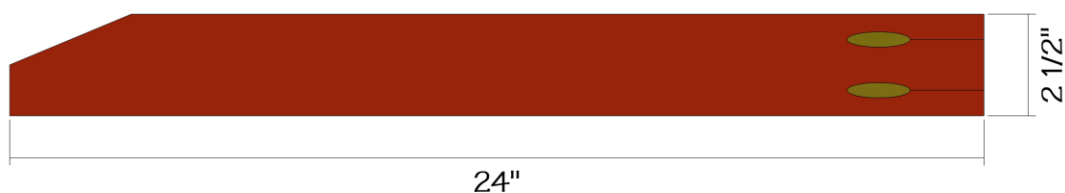
All parts are listed in actual dimensions. Refer to the Cutting Diagram on the last page of this plan as a guide for determining the specific board from which to cut the parts.

VIDEO?

Check out Chief's Shop Videos on YouTube. ([click here](#))

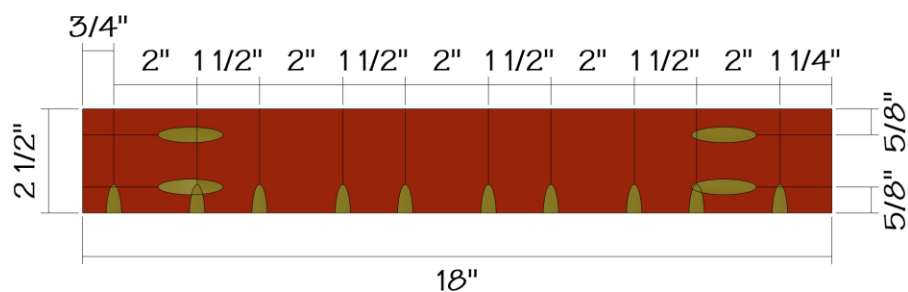
PLANK CHAIR

legs

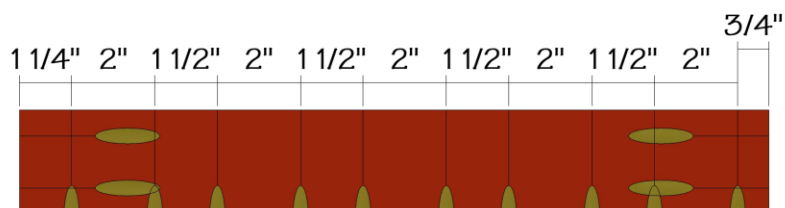


Use the layouts to create the top legs and top rails. **Set your pocket hole jig and drill bit for 1-1/2" stock** for drilling the pocket holes. Create two each of the leg layouts.

top rails



(left - from front view)



(right - from front view)



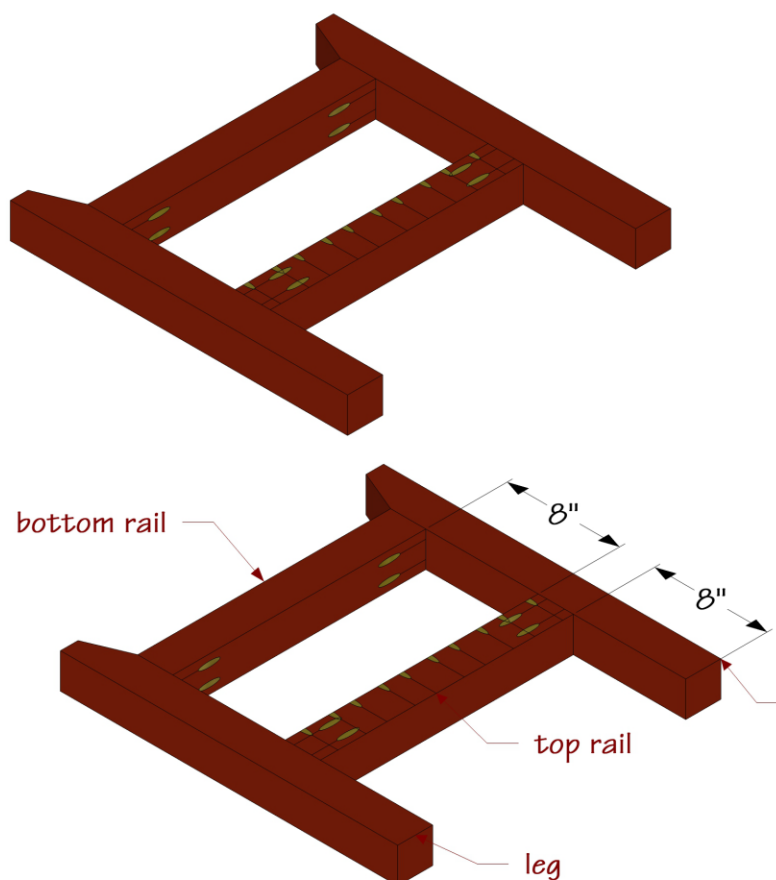
NOTE

Use the layout to create the bottom rail. Set your pocket hole jig and drill bit for 1-1/2" stock for drilling the pocket holes.

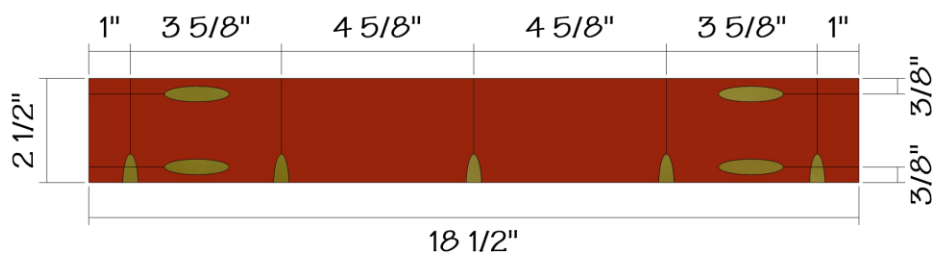


NOTE

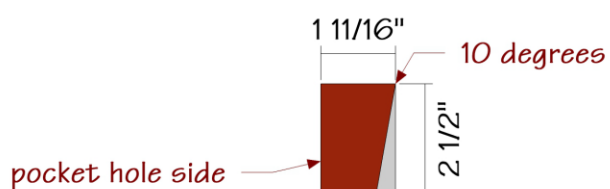
Position the parts as shown and attach using 2-1/2" pocket hole screws.



front rail

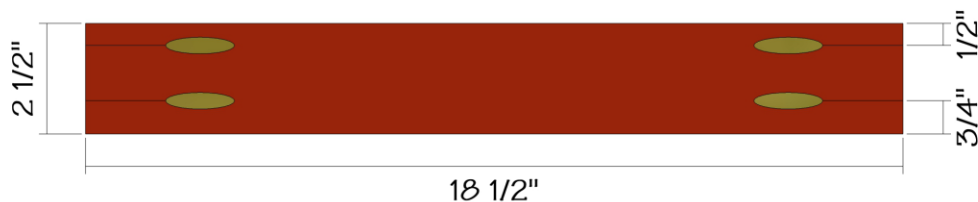


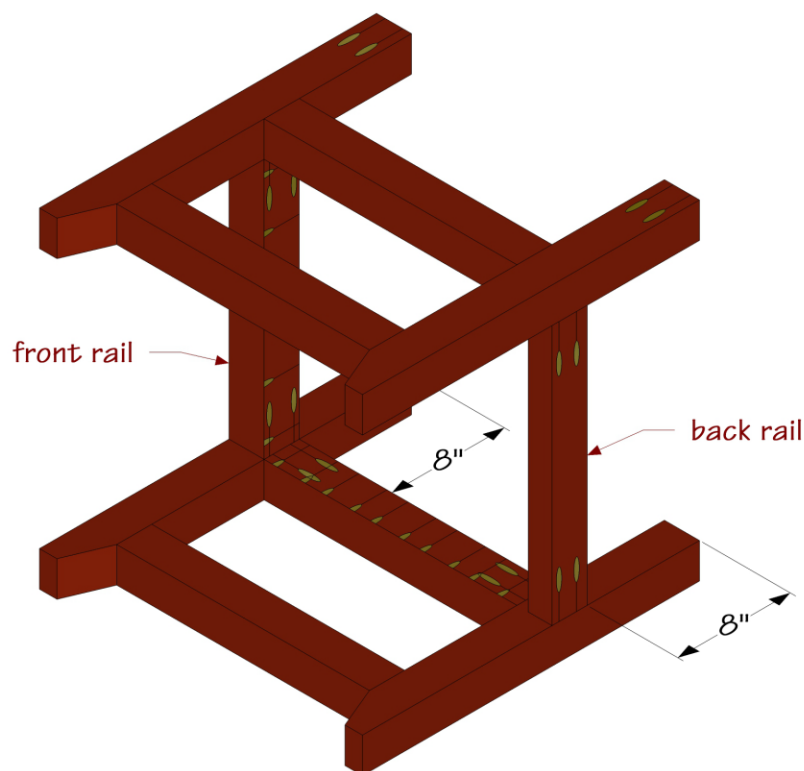
back rail



NOTE

Use the layout to create the front rail and back rail. **Set your pocket hole jig and drill bit for 1-1/2" stock** for drilling the pocket holes. Use a table saw to cut the 10-degree bevel on the back rail.





NOTE

Position the parts as shown and attach using 2-1/2" pocket hole screws.



LAYOUT

front/back stretcher

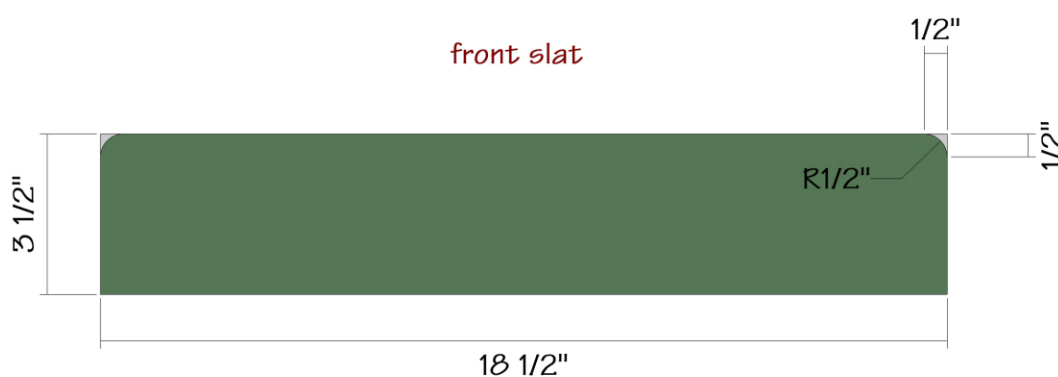
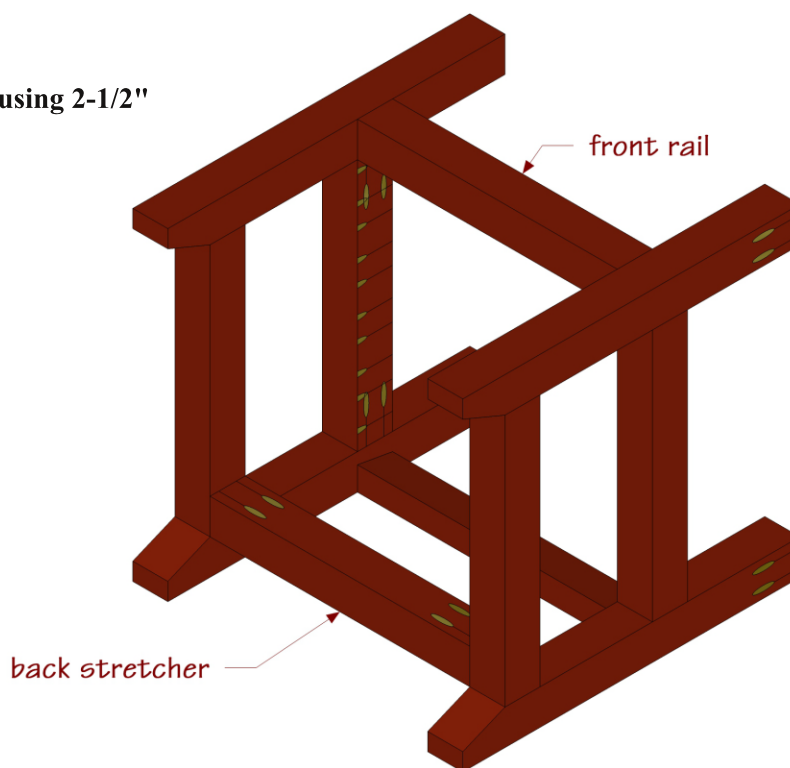


NOTE

Use the layout to create the front and back stretcher. Set your pocket hole jig and drill bit for 1-1/2" stock for drilling the pocket holes.

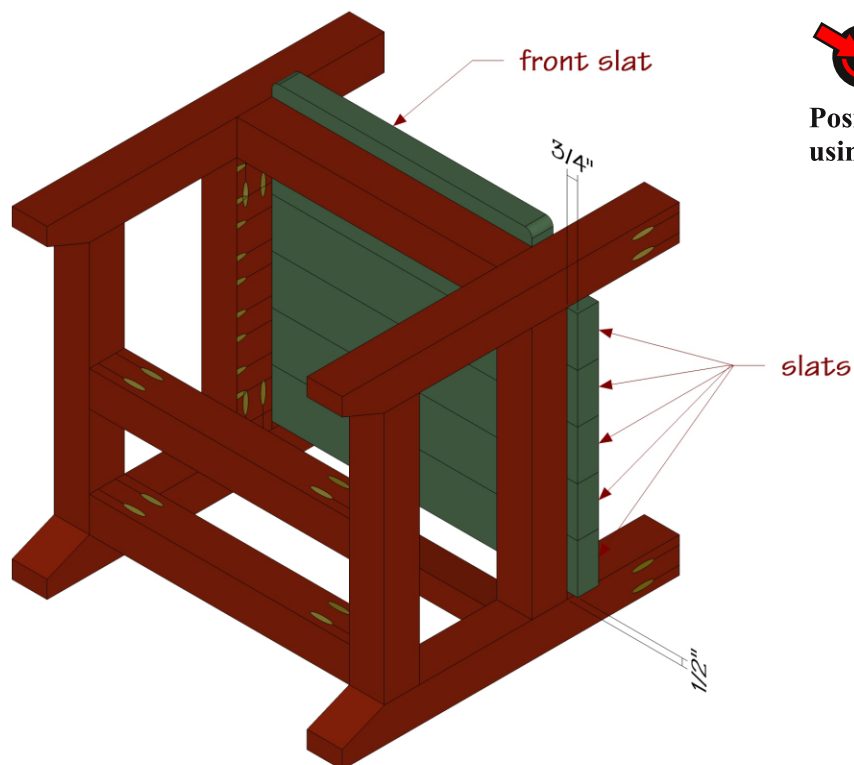


Position the parts as shown and attach using 2-1/2" pocket hole screws.



Use the layout to create the front slat.

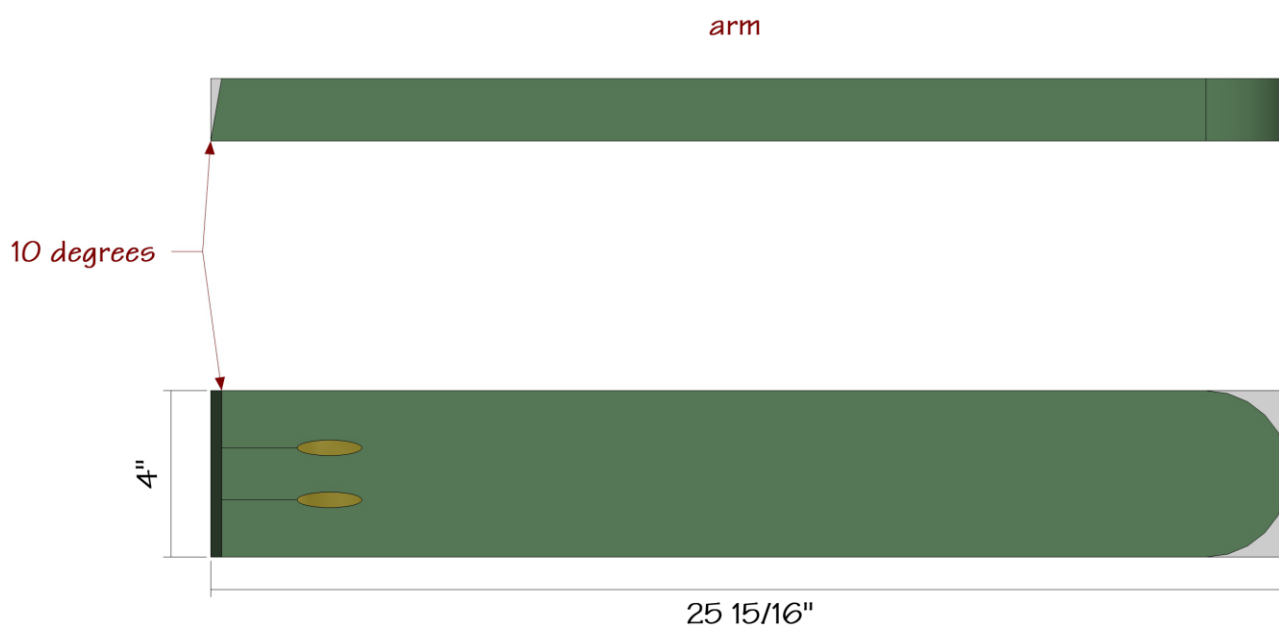
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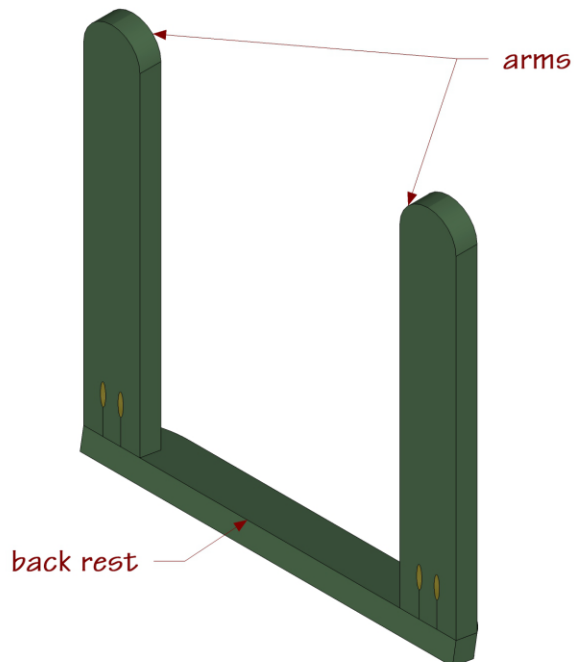
Position the parts as shown and attach using 2-1/2" pocket hole screws.



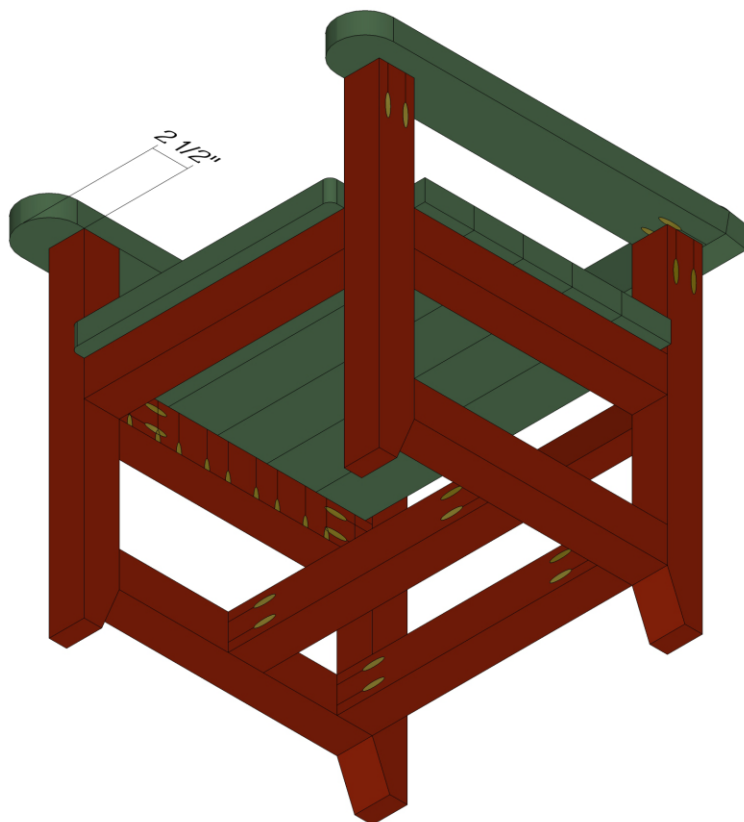
Use the layout to create the arms. Use a miter saw to cut the bevel on the arms.



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NOTE
Position the parts as shown and attach using 2-1/2" pocket hole screws.

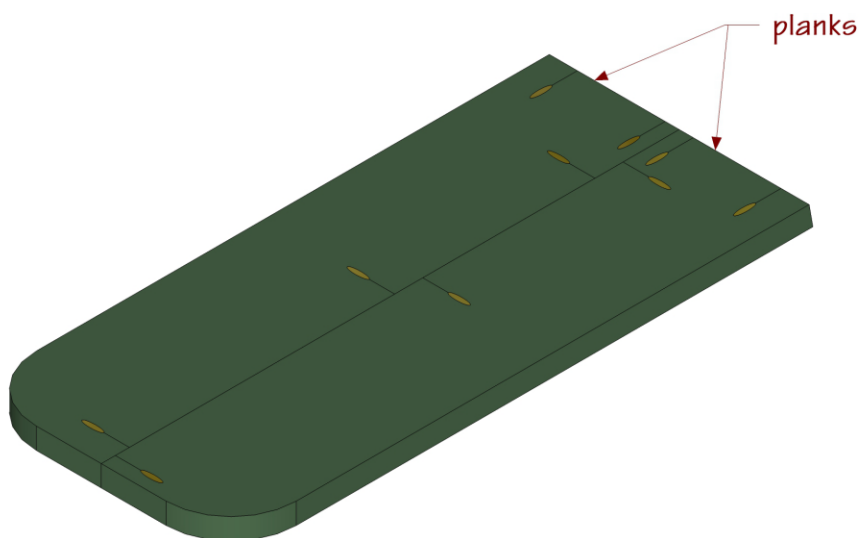
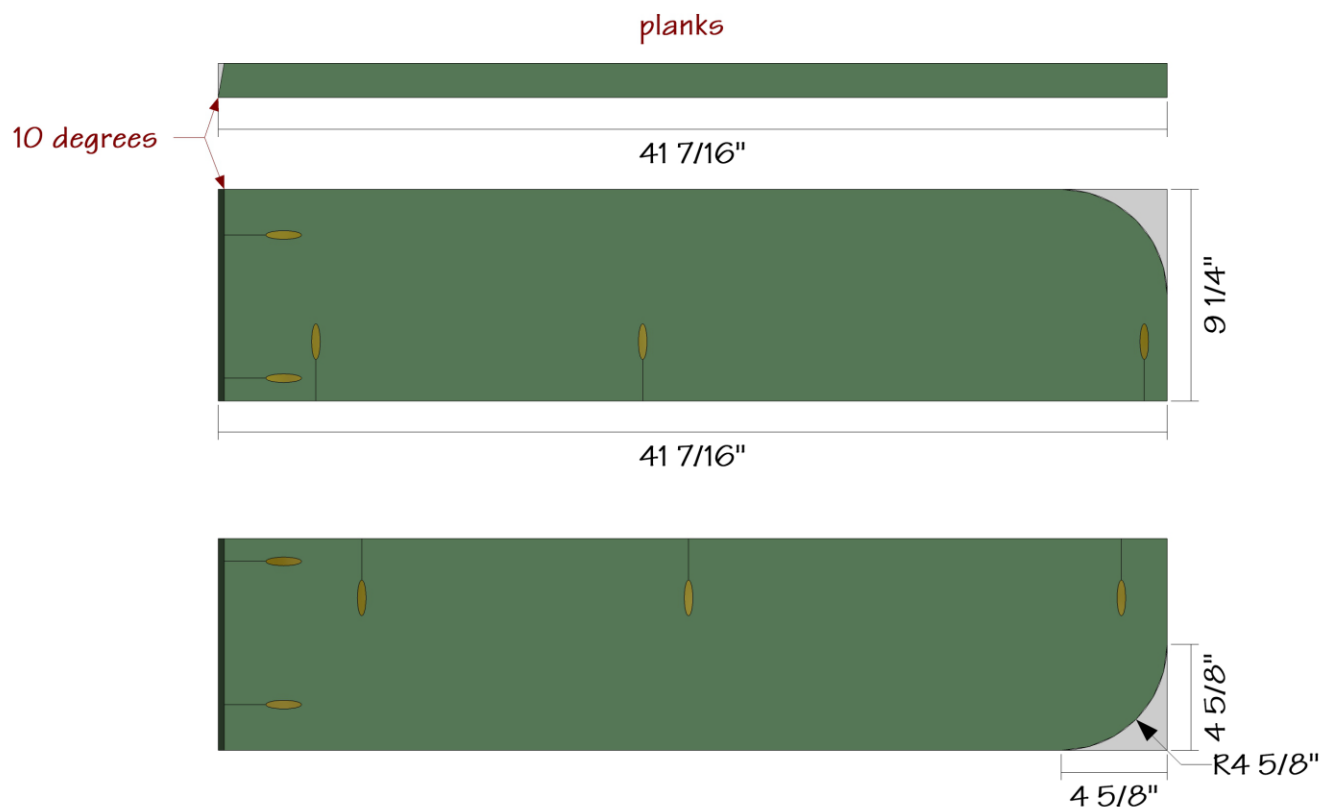




NOTE Use the layout to create the planks. Use a miter saw to cut the bevel on the planks



LAYOUT



NOTE

Position the parts as shown and attach using 2-1/2" pocket hole screws.



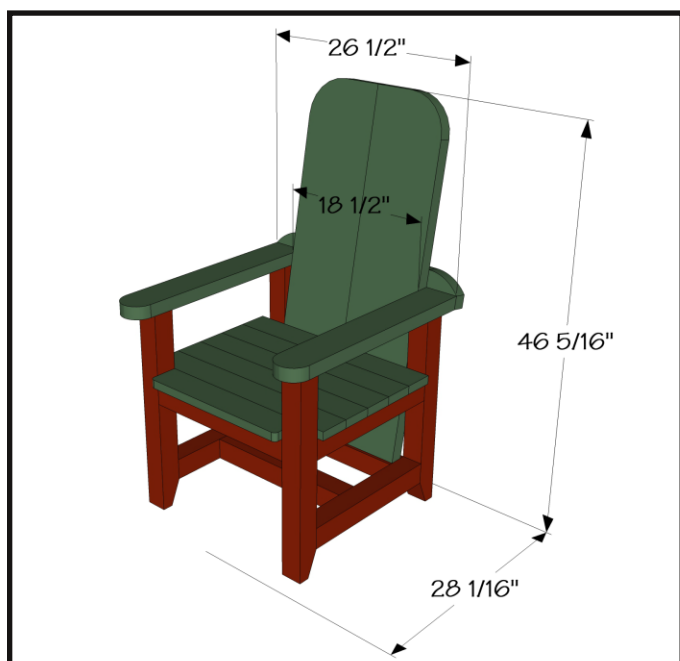
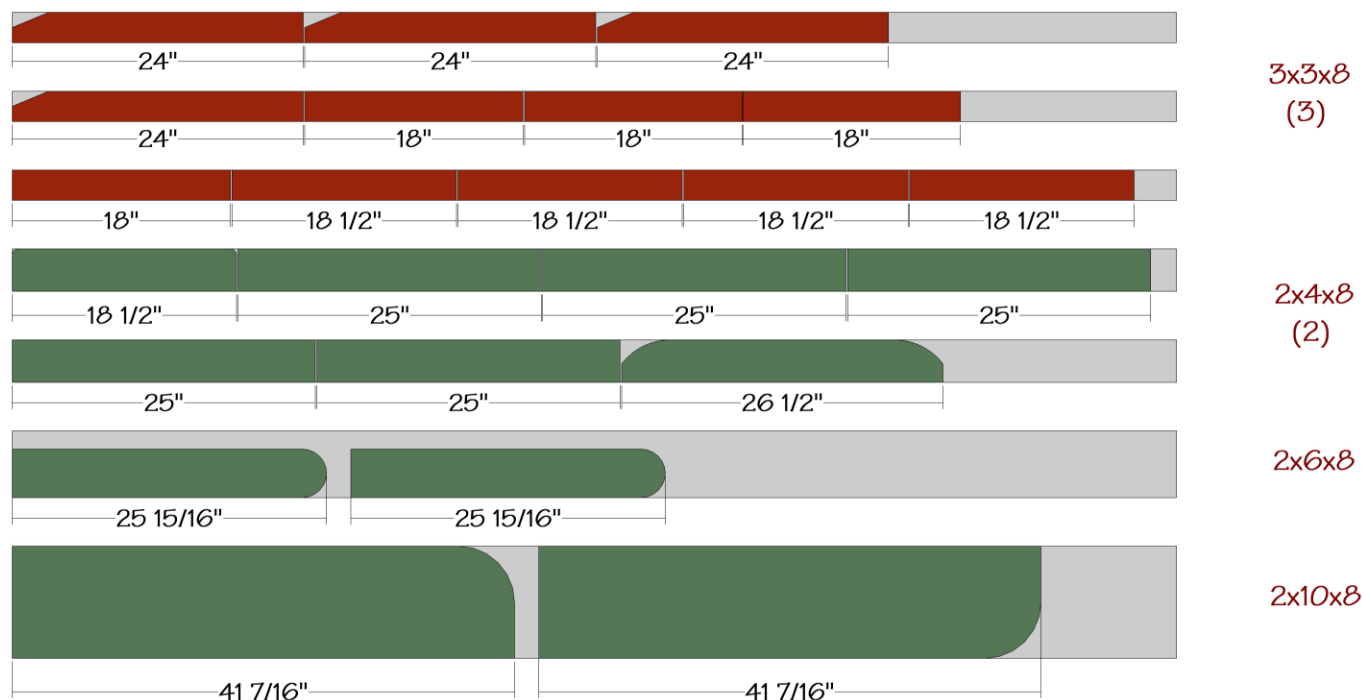
NOTE

Position the parts as shown and attach using 2-1/2" pocket hole screws at the bottom of the planks (to the back stretcher). Attach to the back rest and back rail using 2-1/2" wood screws.





CUTTING DIAGRAM



PARTS

legs (4) - 2-1/2 x 2-1/2 x 24
top rails (2) - 2-1/2 x 2-1/2 x 18
bottom rails (2) - 2-1/2 x 2-1/2 x 18
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arms (2) - 1-1/2 x 4 x 25-15/16
back rest - 1-1/2 x 3-1/2 x 26-1/2
planks (2) - 1-1/2 x 9-1/4 x 41-7/16

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.

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!