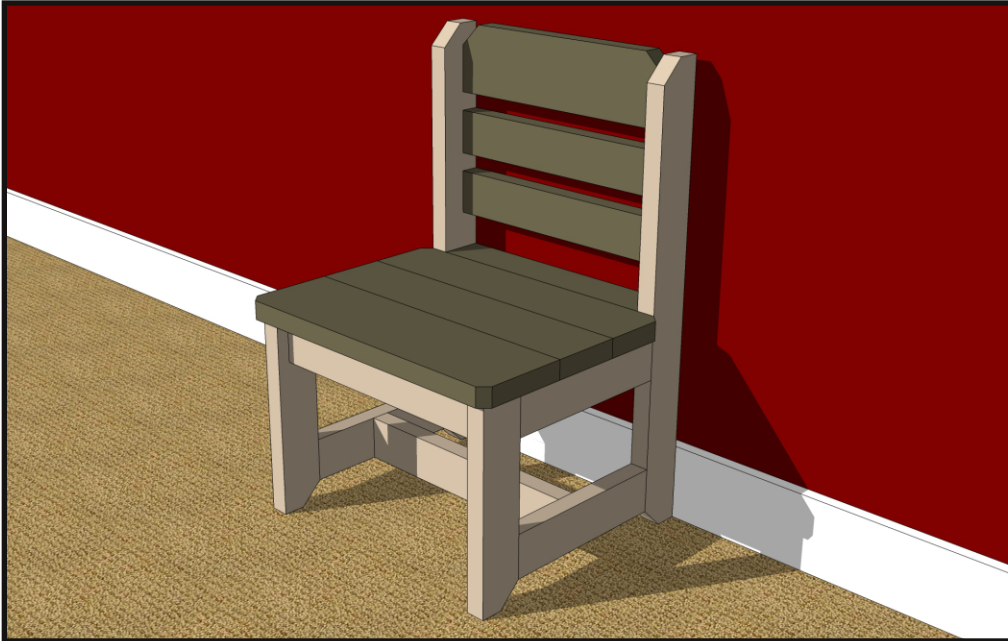


CHIEF'S SHOP PLAN OF THE WEEK



SIMPLE 2X4 CHAIR



WHAT YOU'LL NEED



LUMBER

2 - 2 x 4 x 8
1 - 2 x 6 x 8
1 - 2 x 8 x 8

(availability will vary)

HARDWARE/SUPPLIES

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

TOOLS

miter, table 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. Also on the Cutting Diagram page is an estimate of the cost of the lumber. This estimate doesn't include any other supplies and does not factor in sales tax.

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.



MORE PLANS

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Be sure to "Like" Chief's Shop on facebook by heading over to [facebook.com/ChiefsShop](https://www.facebook.com/ChiefsShop).



PARTS

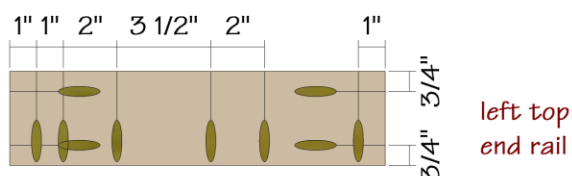
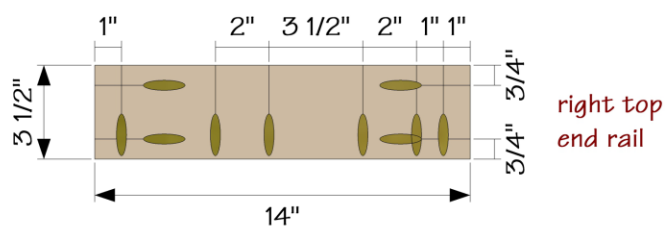


top end rails (2) - 1-1/2 x 3-1/2 x 14
bottom end rails (2) - 1-1/2 x 3-1/2 x 14
front legs (2) - 1-1/2 x 3-1/2 x 16
back legs (2) - 1-1/2 x 3-1/2 x 36
front/back rails (2) - 1-1/2 x 3-1/2 x 20
top stretcher - 1-1/2 x 3-1/2 x 16
back leg rail - 1-1/2 x 3-1/2 x 20
back seat slat - 1-1/2 x 5-1/2 x 24-1/2
mid seat slat - 1-1/2 x 5-1/2 x 24-1/2
front seat slat - 1-1/2 x 7-1/4 x 24-1/2
bottom stretcher - 1-1/2 x 3-1/2 x 20
top back slat - 1-1/2 x 5-1/2 x 20
bottom back slats (2) - 1-1/2 x 3-1/2 x 21

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?

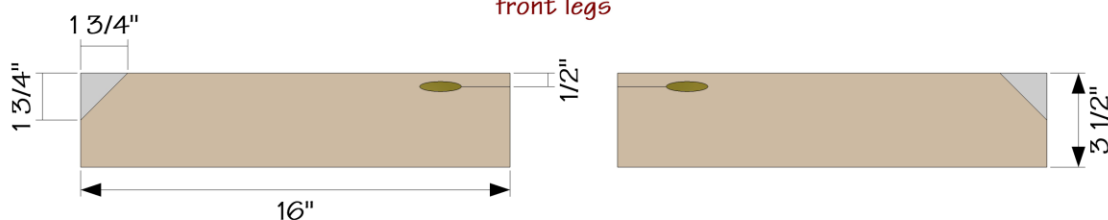
Check out Chief's Shop Videos on YouTube. ([click here](#))



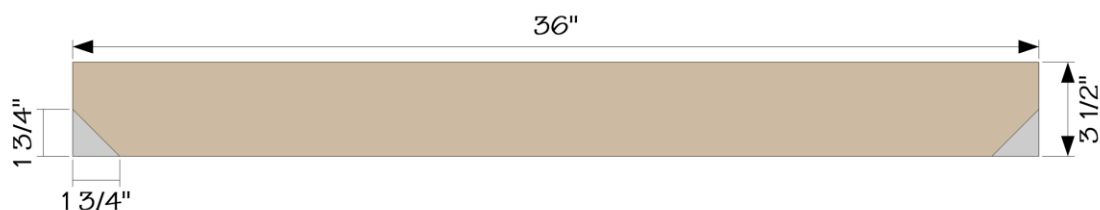
bottom end rail



front legs



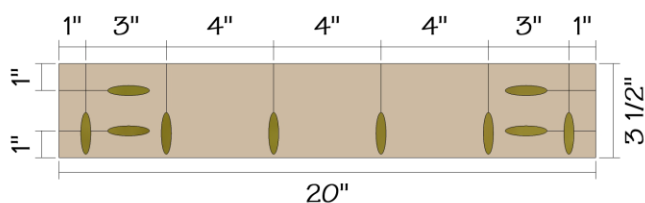
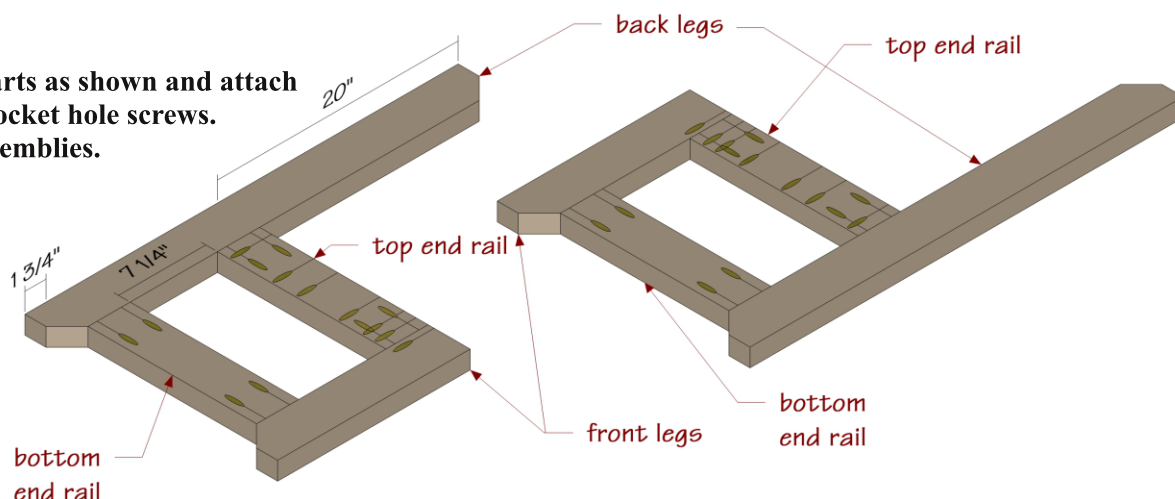
back leg



Use the layouts to create the top end rails, bottom end rails, front legs and back legs. **Set your pocket hole jig and drill bit for 1-1/2" stock** for drilling the pocket holes.



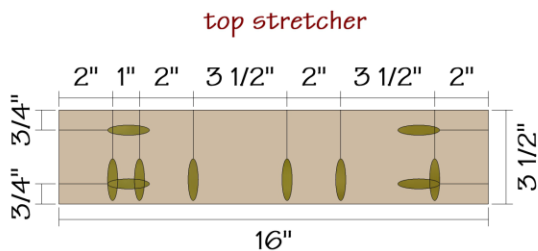
Position the parts as shown and attach using 2-1/2" pocket hole screws. Create two assemblies.



front/back rail



bottom stretcher



top stretcher



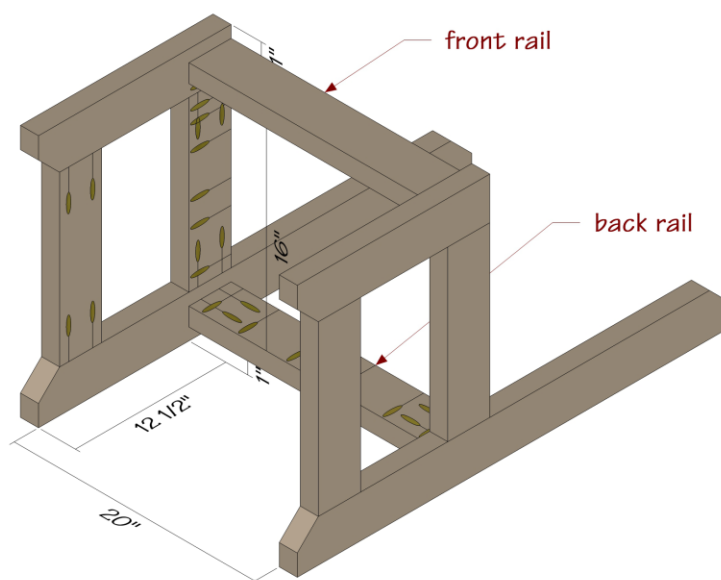
Use the layouts to create the front rail, back rail, top stretcher and bottom stretcher. **Set your pocket hole jig and drill bit for 1-1/2" stock** for drilling the pocket holes.

SIMPLE 2X4 CHAIR



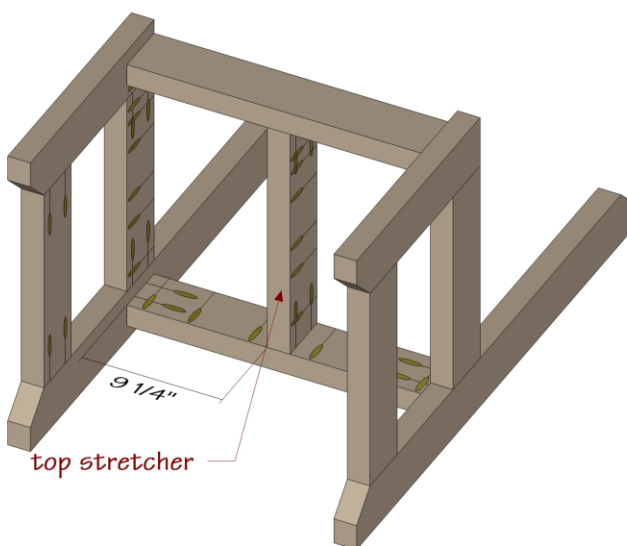
NOTE

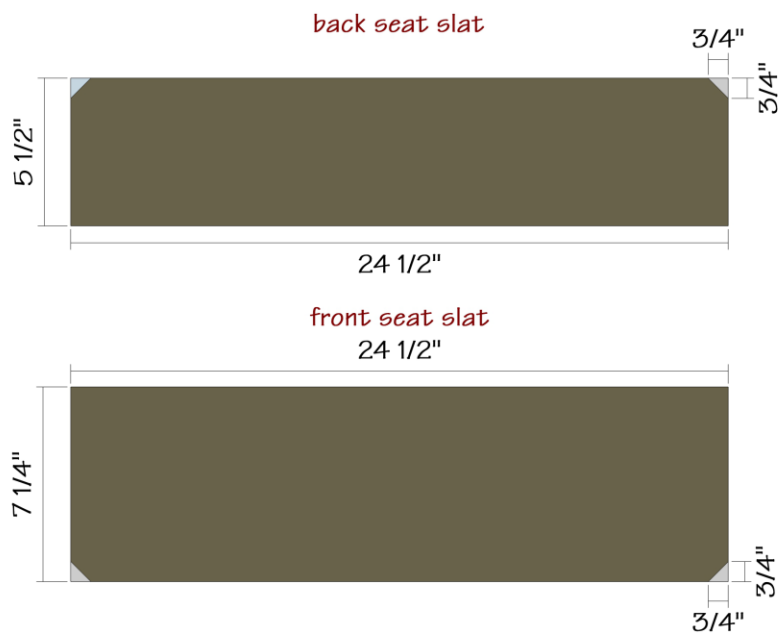
Position the parts as shown and attach using 2-1/2" pocket hole screws.



NOTE

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





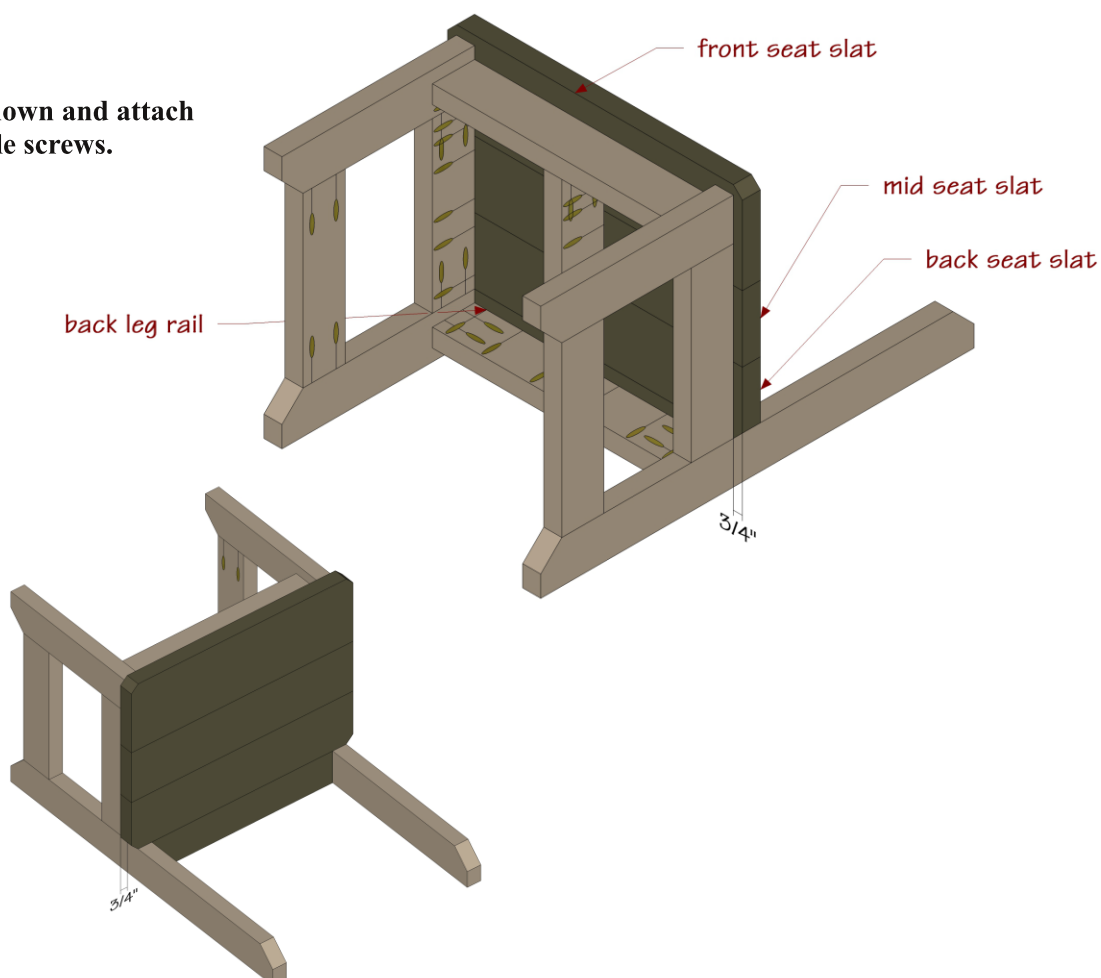
NOTE

Use the layouts to create the back seat slat and front seat slat.



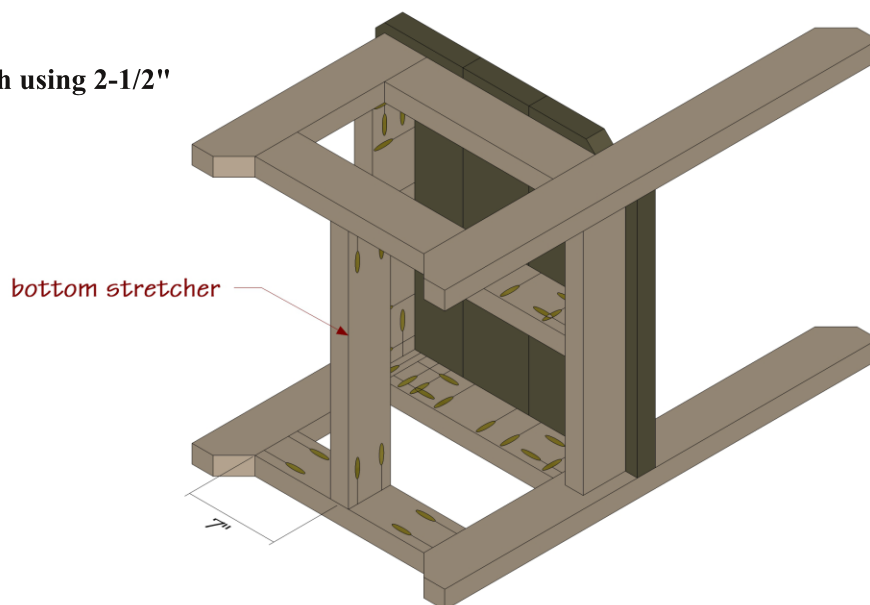
NOTE

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

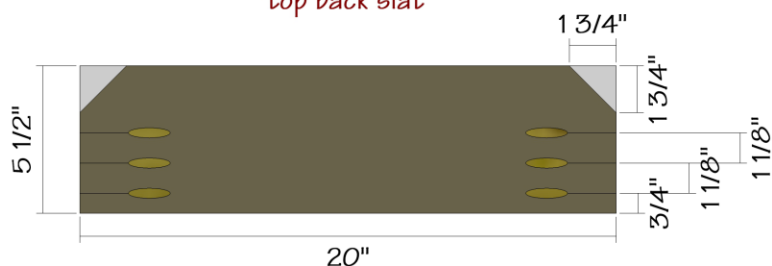




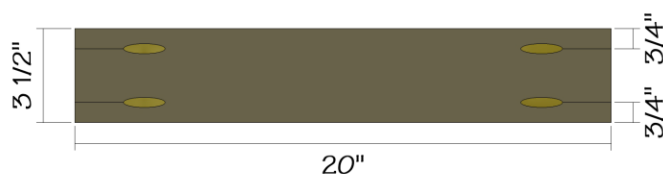
Position the parts as shown and attach using 2-1/2" pocket hole screws.



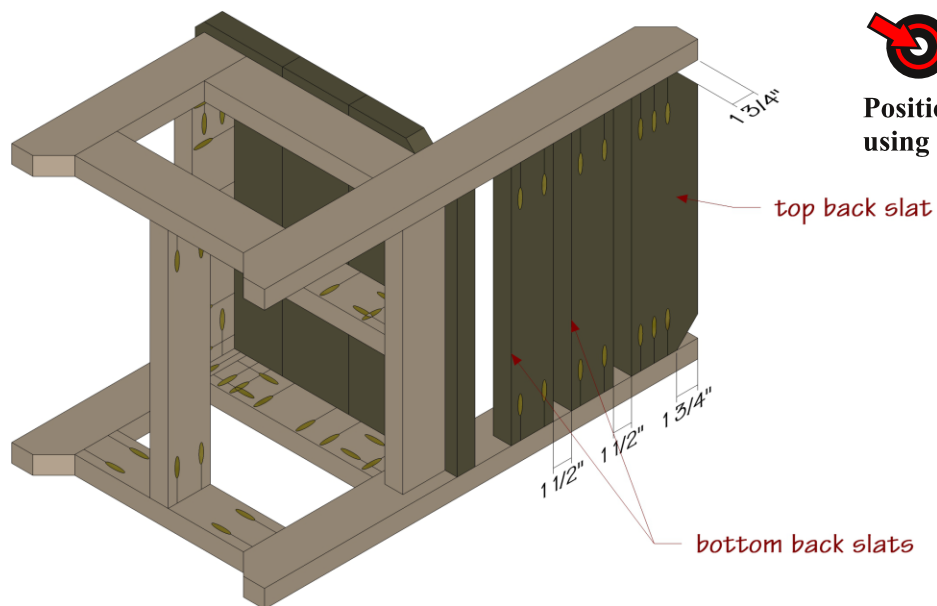
top back slat



bottom back slat



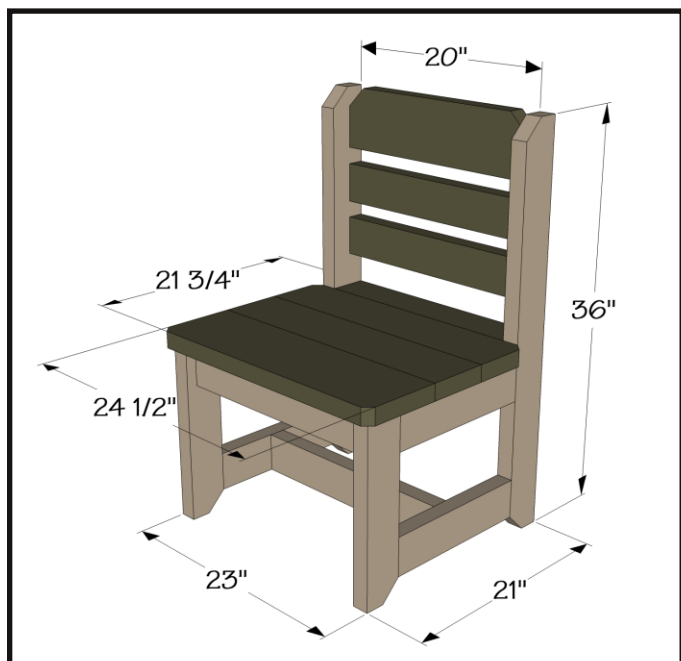
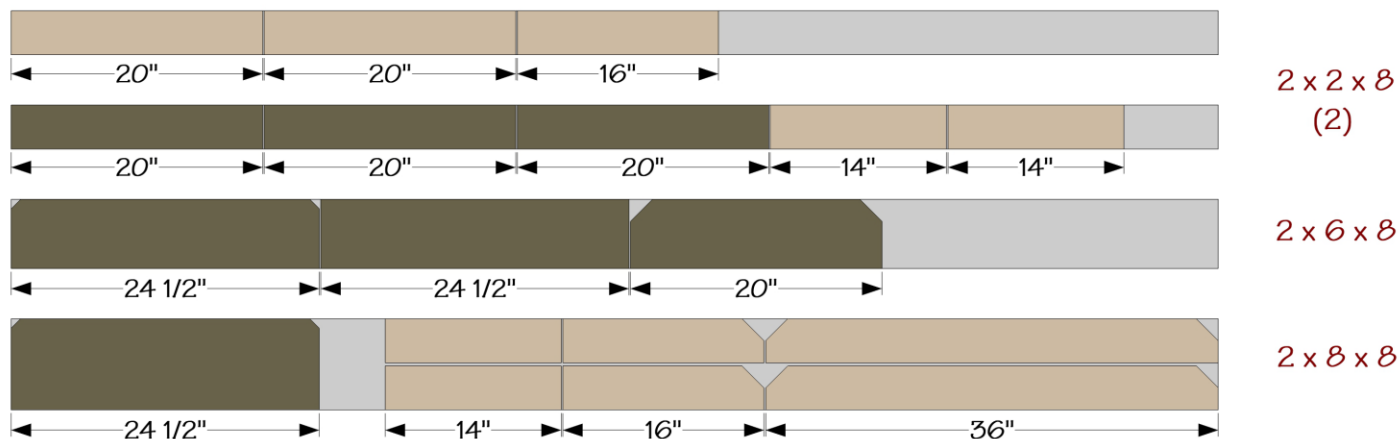
Use the layouts to create the top back slat and bottom back slats.



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



CUTTING DIAGRAM



Estimated lumber cost:
starting at \$15



top end rails (2) - 1-1/2 x 3-1/2 x 14
bottom end rails (2) - 1-1/2 x 3-1/2 x 14
front legs (2) - 1-1/2 x 3-1/2 x 16
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top back slat - 1-1/2 x 5-1/2 x 20
bottom back slats (2) - 1-1/2 x 3-1/2 x 21

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!