

CHIEF'S SHOP PLAN OF THE WEEK



BATH STOOL



WHAT YOU'LL NEED



LUMBER

1 - 2x4x8
1 - 1x8x4
1 - 1" round dowel
(availability will vary)

HARDWARE/SUPPLIES

3" wood screws
Kreg 2 1/2" pocket hole screws
Kreg 1 1/4" pocket hole screws
wood glue, wood filler,
pocket hole plugs, choice of finish

TOOLS

miter saw, jigsaw
sander/belt sander
drill/driver, 1" Forstner bit
Kreg Jig
clamps
square

ABOUT THESE PLANS

On this first page you will see above the project complete. On one of the last two pages 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 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.



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PARTS

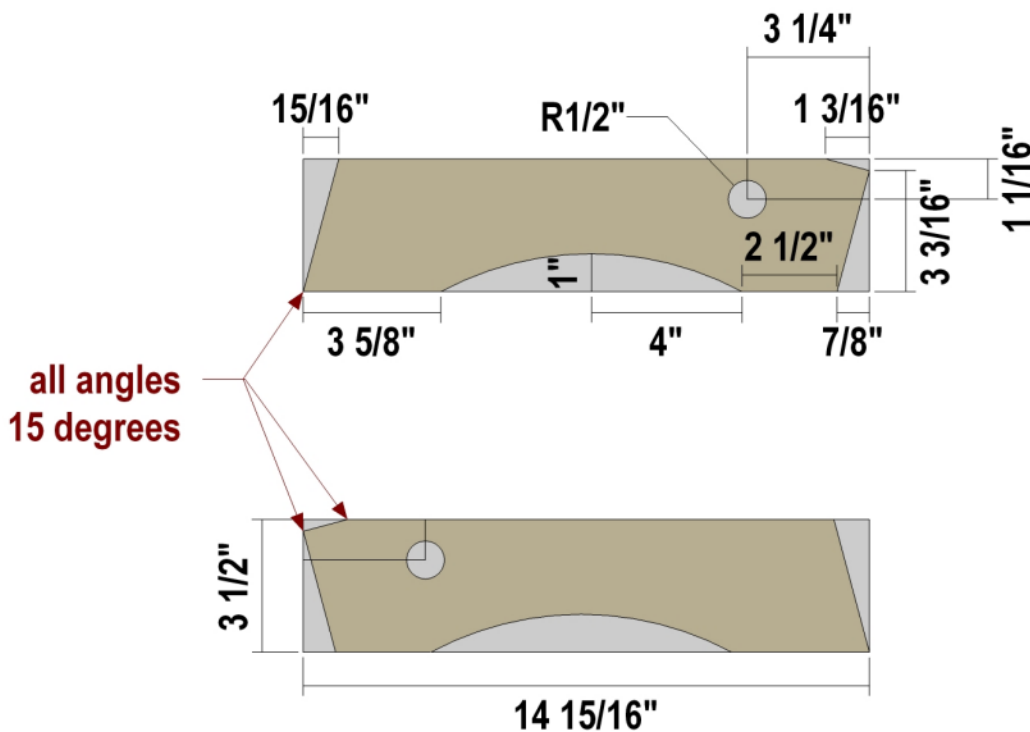
legs (4) - 1 1/2 x 3 1/2 x 15
side rails (2) - 1 1/2 x 3 1/2 x 8
rungs (2) - 1 x 11 1/4
end rails (2) - 1 1/2 x 3 1/2 x 10
top slats (2) - 3/4 x 7 1/4 x 16

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

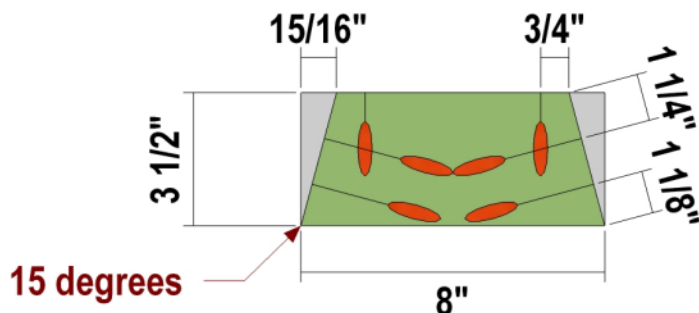
Check out Chief's Shop Videos on YouTube. ([click here](#))

Legs

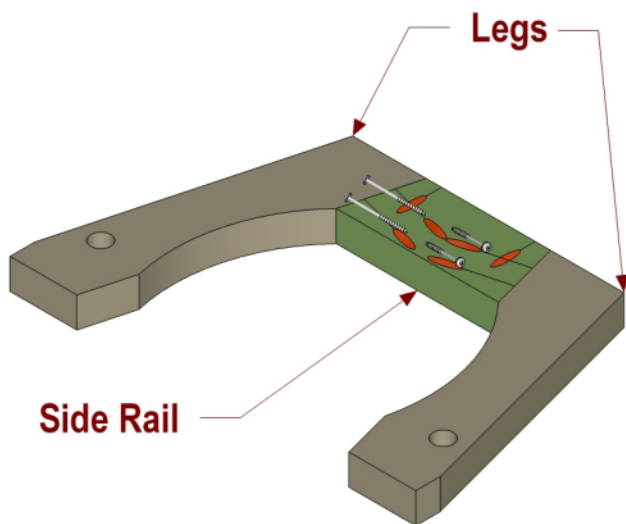


Use the layout for creating the Legs. Use a jigsaw to cut the arcs in the center. All angles are cut at 15 degrees. Drill the 1" hole (marked by the circle) to $3/4''$ deep. Create two of each layout.

Side Rail



Use the layout for creating the Side Rails. Set your Kreg Jig and drill bit for $1 \frac{1}{2}''$ stock for the horizontal holes drilled on the angled ends, and $3/4''$ stock for the vertical holes on the top edge.

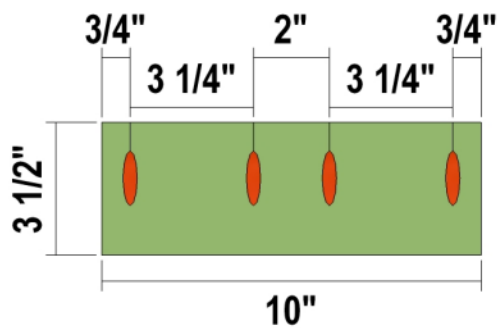


NOTE

Apply glue to the ends of the Side Rail, position as shown, and attach using 2 1/2" pocket hole screws. Create two assemblies.

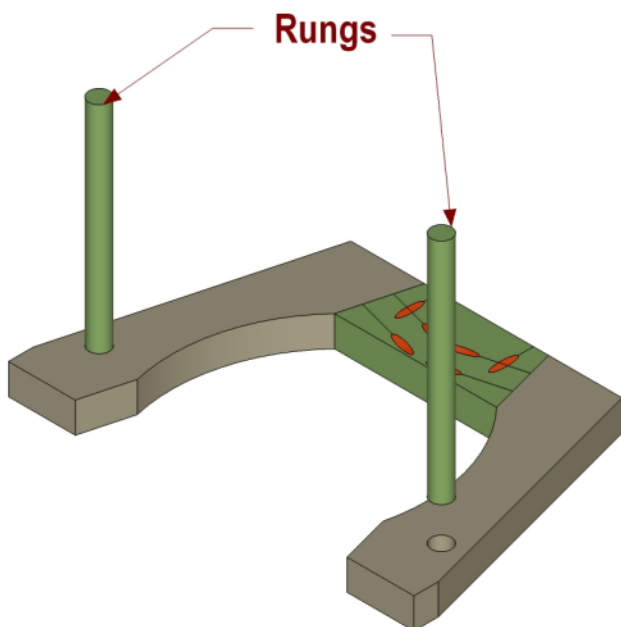
End Rail

LAYOUT



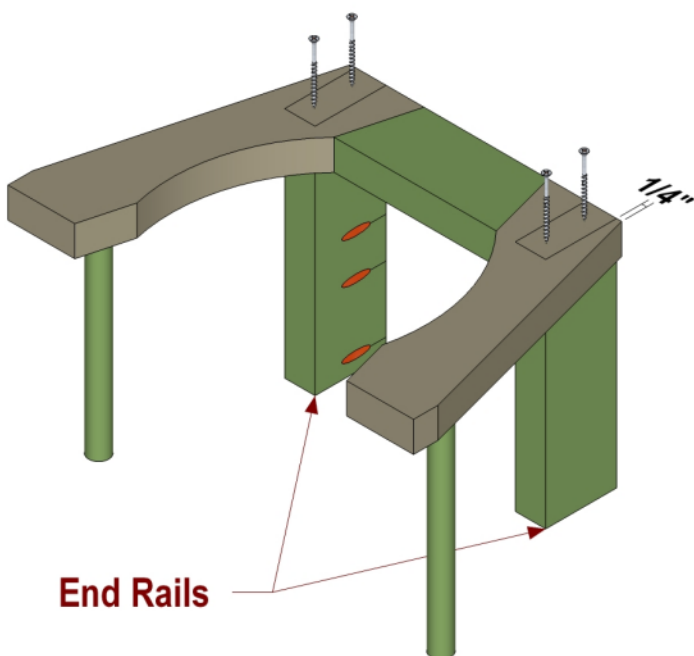
NOTE

Use the layout for creating the End Rails. Set your Kreg Jig and drill bit for 3/4" stock.



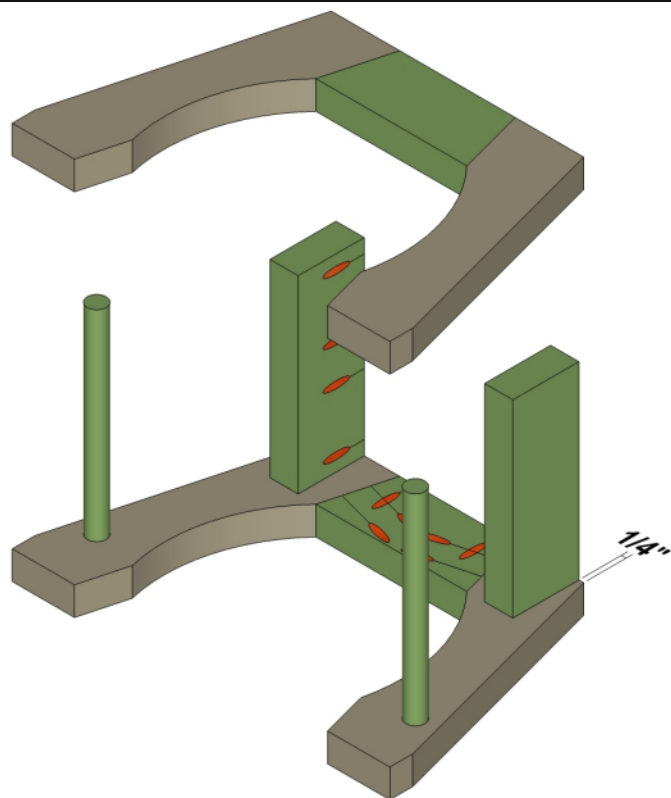
NOTE

Insert the Rungs into the holes on one Side Rail/Leg Assembly. You may need to sand a slight bevel on the ends of the Rungs to help insert them.



NOTE

Apply glue to the ends of the End Rails and position as shown at left (the non-glued end down on your work surface). Position the Side Rail/Leg Assembly as shown at left and attach using two 3" wood screws for each End Rail.

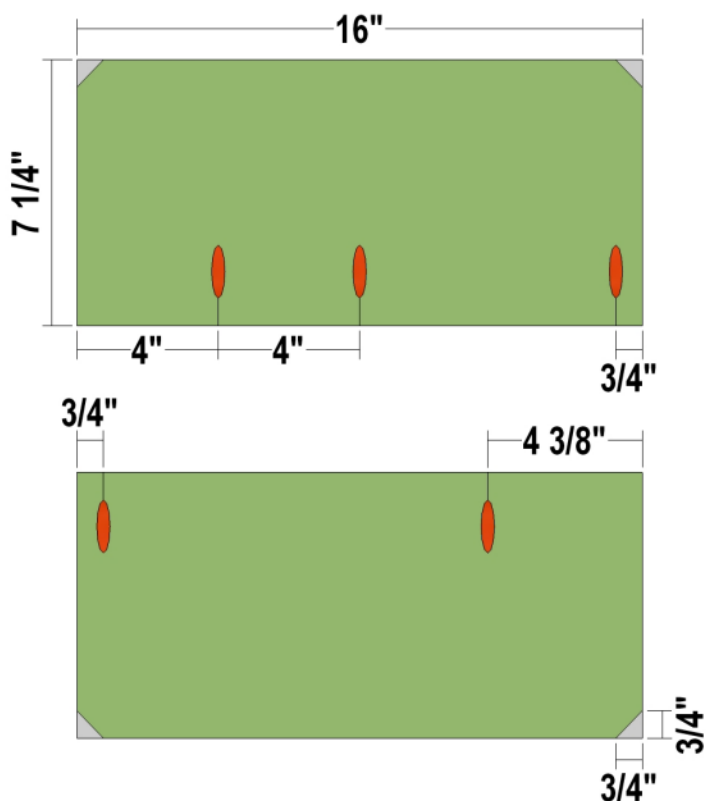


NOTE

Apply glue to the other end of the Side Rails, position the remaining Side Rail/Leg Assembly as shown (make sure the Rungs are inserted in the holes on the second assembly), and attach using 3" wood screws.

Top Slats

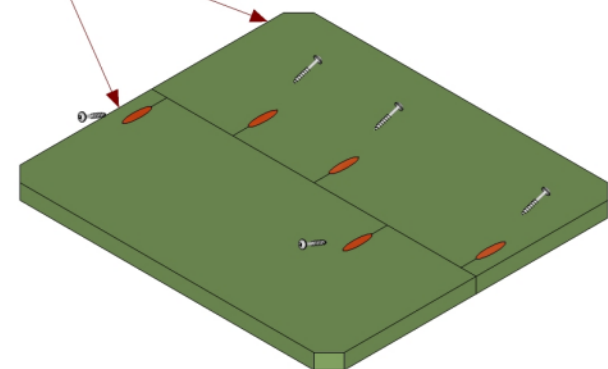
LAYOUT



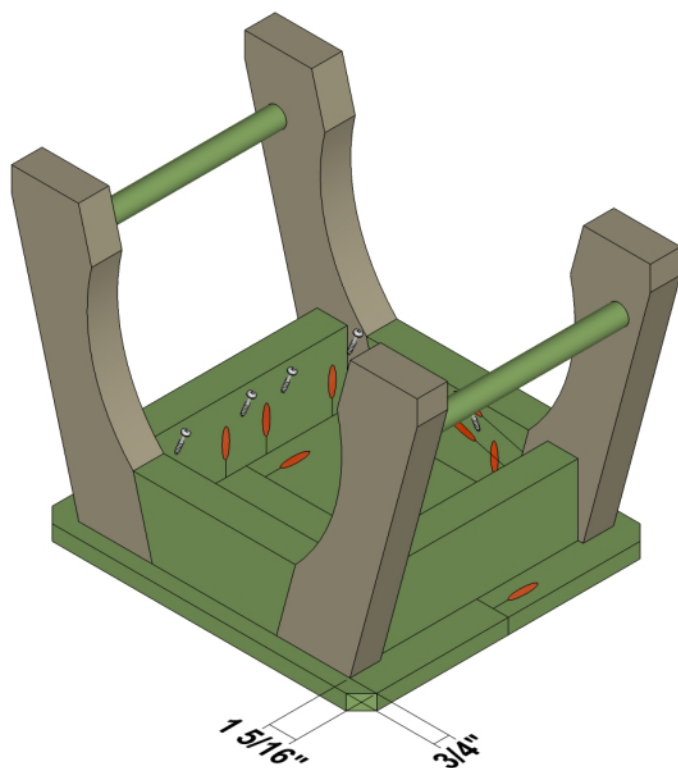
NOTE

Use the layout for creating the Top Slats. Set your Kreg Jig and drill bit for 3/4" stock.

Top Slats

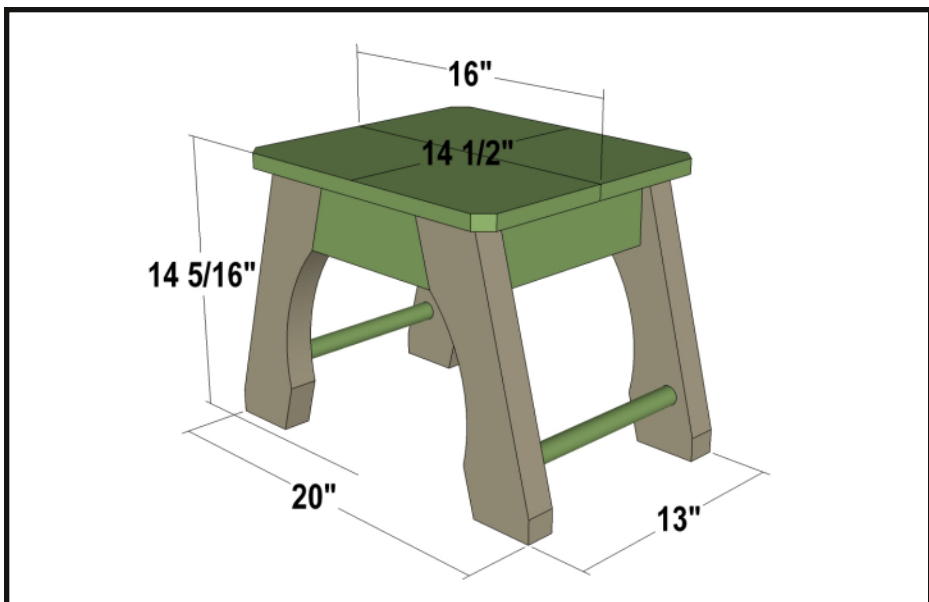
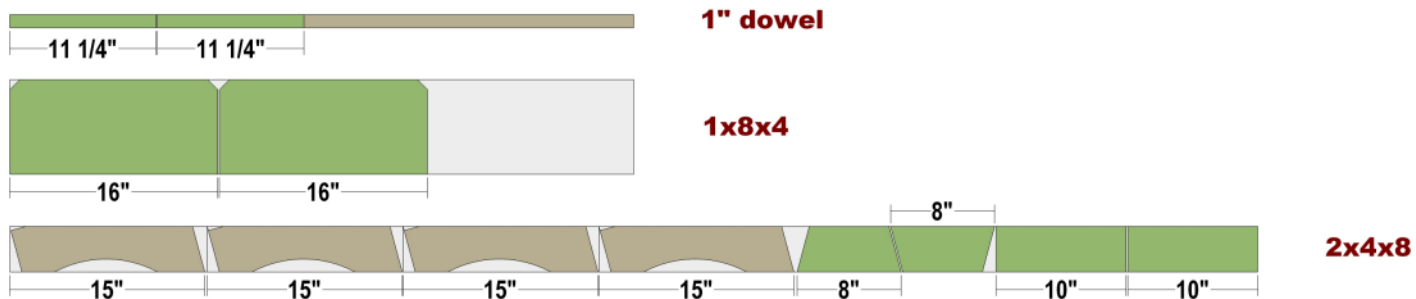


Apply glue to the edges of the Top Slats nearest the pocket holes, position as shown at left, and attach using 1 1/4" pocket hole screws.



Apply glue to the top ends of the Legs, and top edge of the Rail, position as shown at left, and attach using 1 1/4" pocket hole screws. Drive the screws through all the pocket holes in the End Rails and Side Rails.

 **CUTTING DIAGRAM**



Estimated lumber cost:
starting at \$15

✚ PARTS ✚

legs (4) - 1 1/2 x 3 1/2 x 15
side rails (2) - 1 1/2 x 3 1/2 x 8
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top slats (2) - 3/4 x 7 1/4 x 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!