

CHIEF'S SHOP PLAN OF THE WEEK



PATIO CHAIR



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.



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WHAT YOU'LL NEED



LUMBER

2 - 5/4 x 6 x 8 decking
1 - 2 x 6 x 8
2 - 4 x 4 x 8

(availability will vary)

HARDWARE/SUPPLIES

Kreg HD pocket hole screws
or Kreg 2 1/2" exterior pocket hole screws
2 1/2" deck screws
1 1/4" exterior pocket hole screws
wood glue
paint/stain/sealer/polyurethane

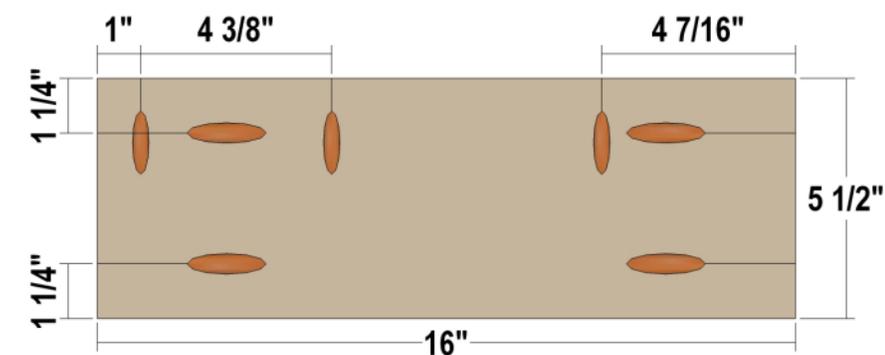
TOOLS

table saw or circular saw
miter saw
jigsaw or band saw
sander/belt sander
drill/driver
Kreg HD pocket hole jig
Kreg Jig
clamps
square

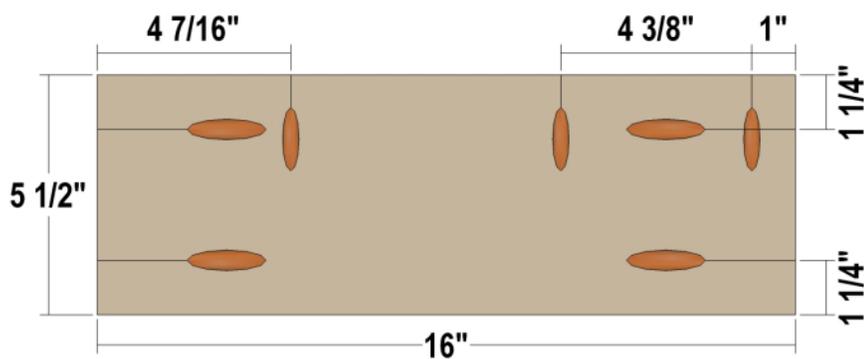
PARTS

End Rails (2) - 1 1/2 x 5 1/2 x 16
Front Legs (2) - 3 1/2 x 3 1/2 x 16
Back Legs (2) - 3 1/2 x 3 1/2 x 34
Front/Back Rails (2) - 1 1/2 x 5 1/2 x 23
Stretcher (1) - 1 1/2 x 5 1/2 x 18
Front Seat Slat (1) - 1 x 5 1/2 x 32
Seat Slats (2) - 1 x 5 1/2 x 32
Back Seat Slat (1) - 1 x 5 1/2 x 32
Back Slat (1) - 1 x 5 1/2 x 32
Top Back Slat (1) 1 x 5 1/2 x 32

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.



**Right
End Rail**

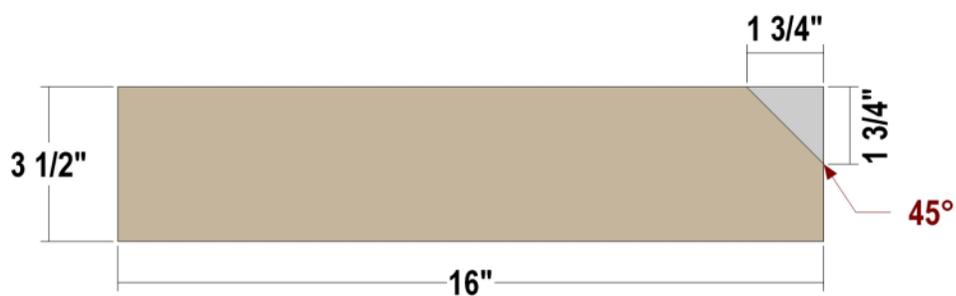


**Left
End Rail**

 **NOTE**

Use the layouts for creating the End Rails. **Set your Kreg Jig HD and drill bit for 1 1/2" stock for the horizontal holes. Set your regular Kreg Jig and drill bit for 3/4" stock for the vertical holes. You can alternately use the regular Kreg Jig for the horizontal holes.**

Front Leg



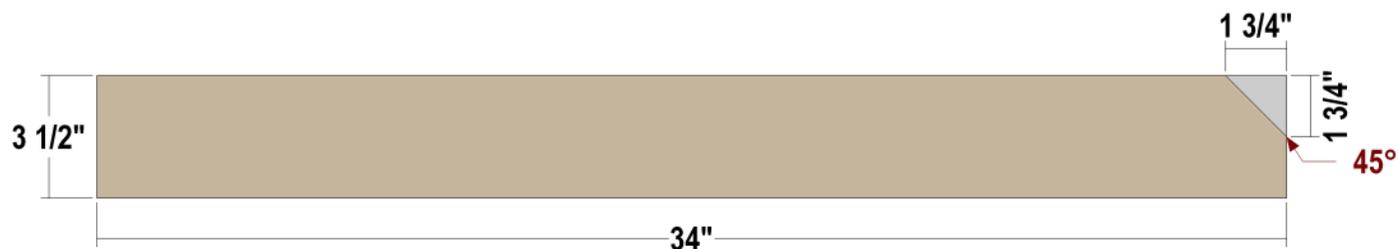
Front Leg



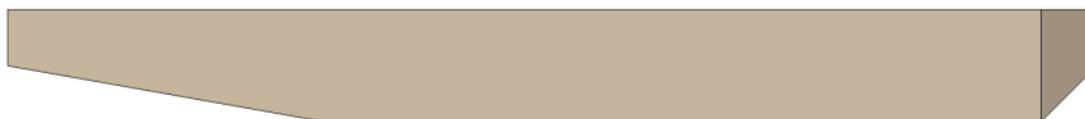
NOTE

Use the layouts for creating the Front Legs. Cut a 45-degree miter at the end on two adjacent edges/faces.

Back Leg



Back Leg

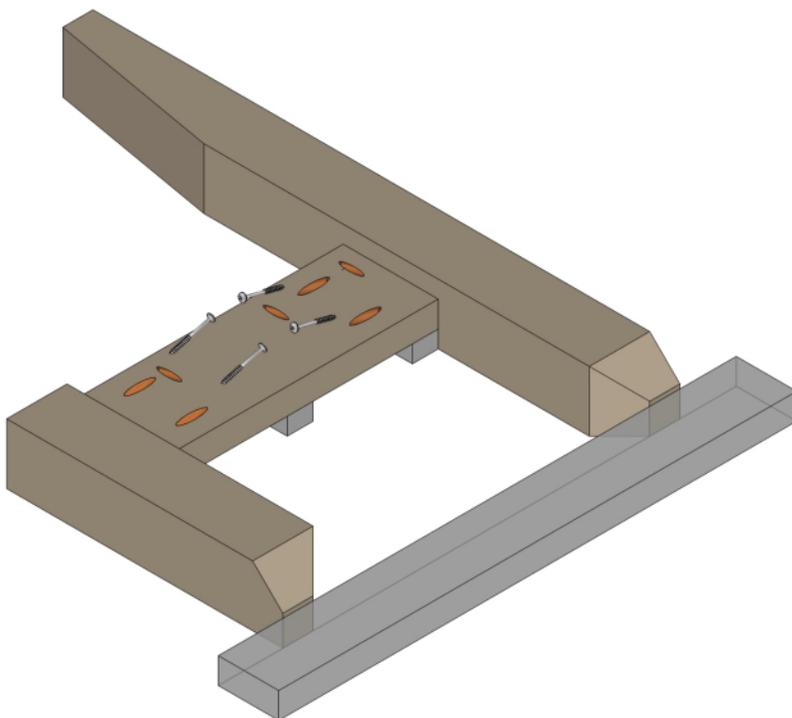
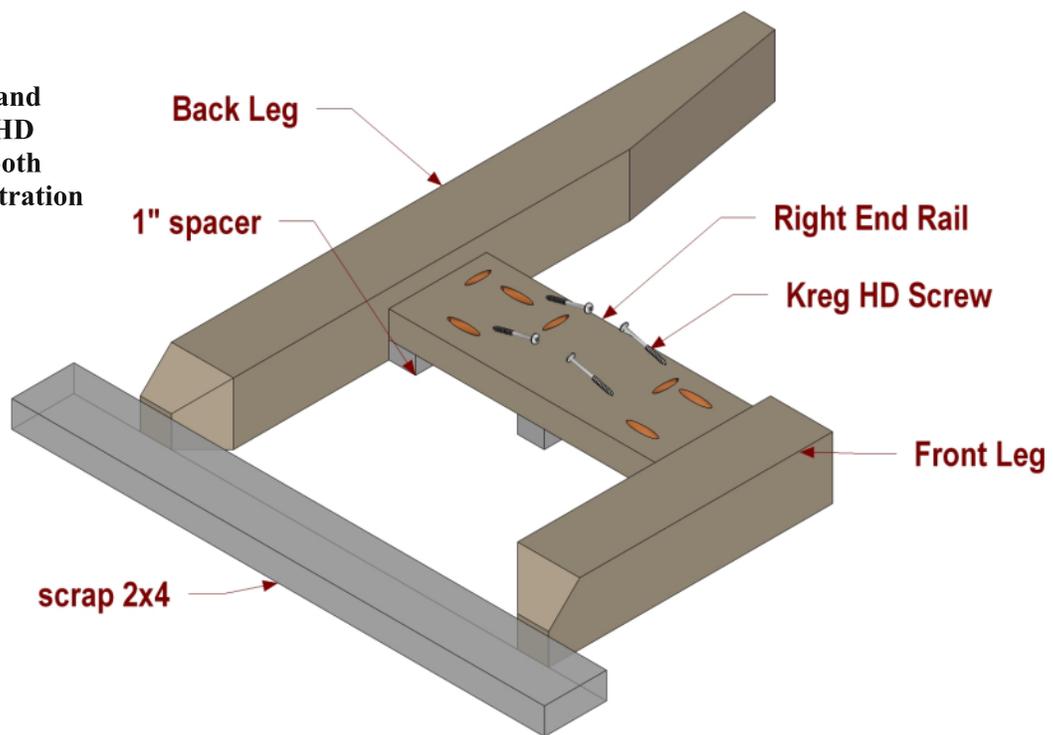


NOTE

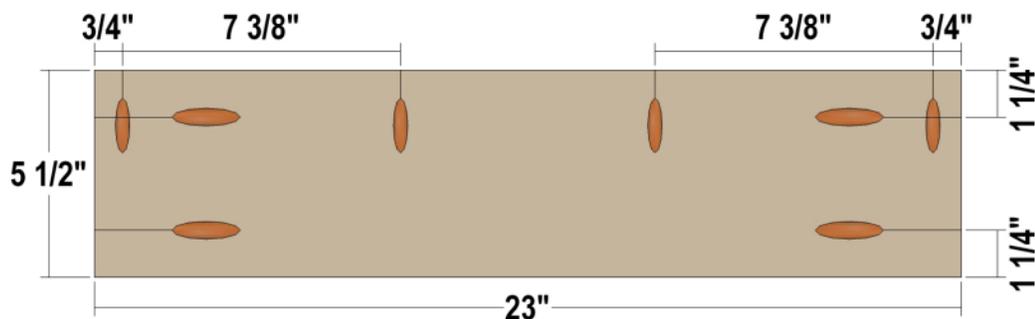
Use the layouts for creating the Back Legs. Cut a 45-degree miter at the end on two adjacent edges/faces on one end, just as instructed for the Front Legs. At the other end, cut a taper as shown using either a table saw or circular saw. Make sure that one Back Leg is a mirror image of the other.

NOTE

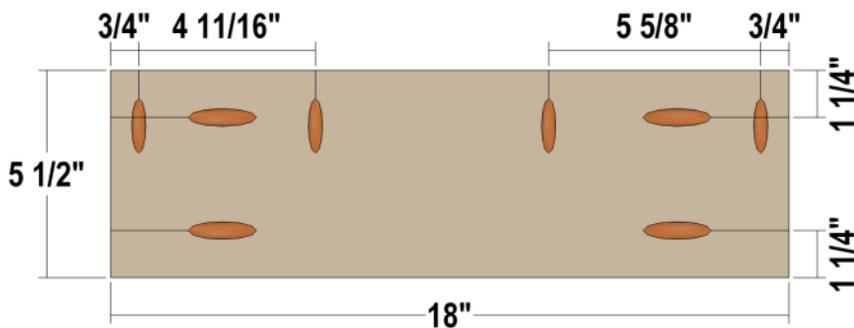
Position the parts as shown and attach using glue and Kreg HD pocket hole screws. Create both assemblies. The bottom illustration shows the Left End Rail.



Front/Back Rail



Stretcher

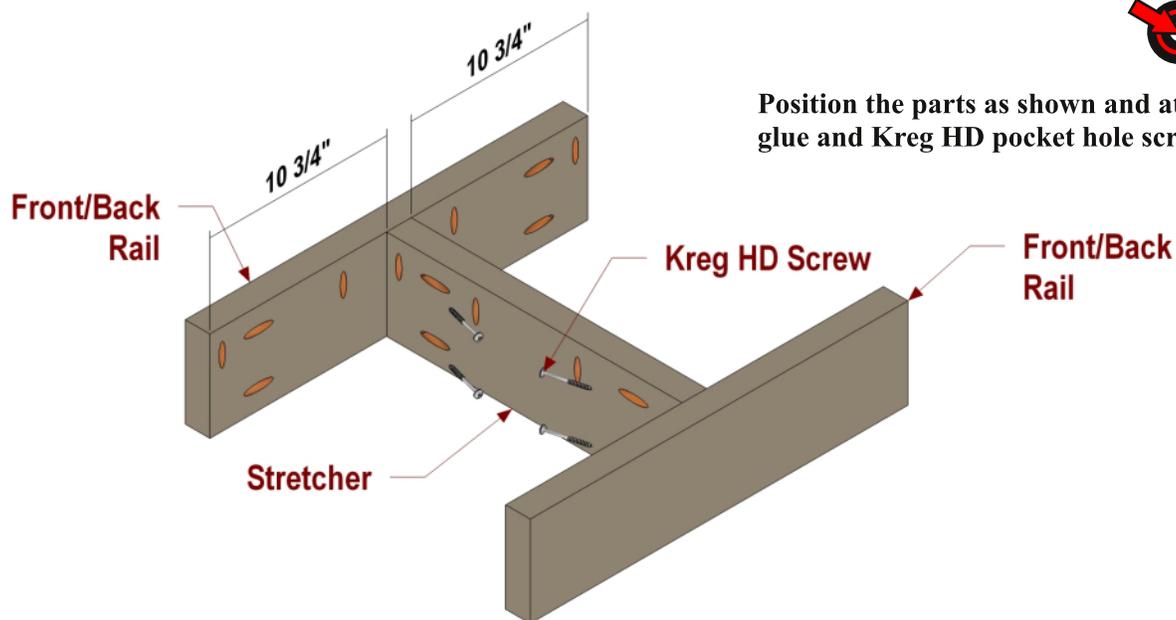


NOTE

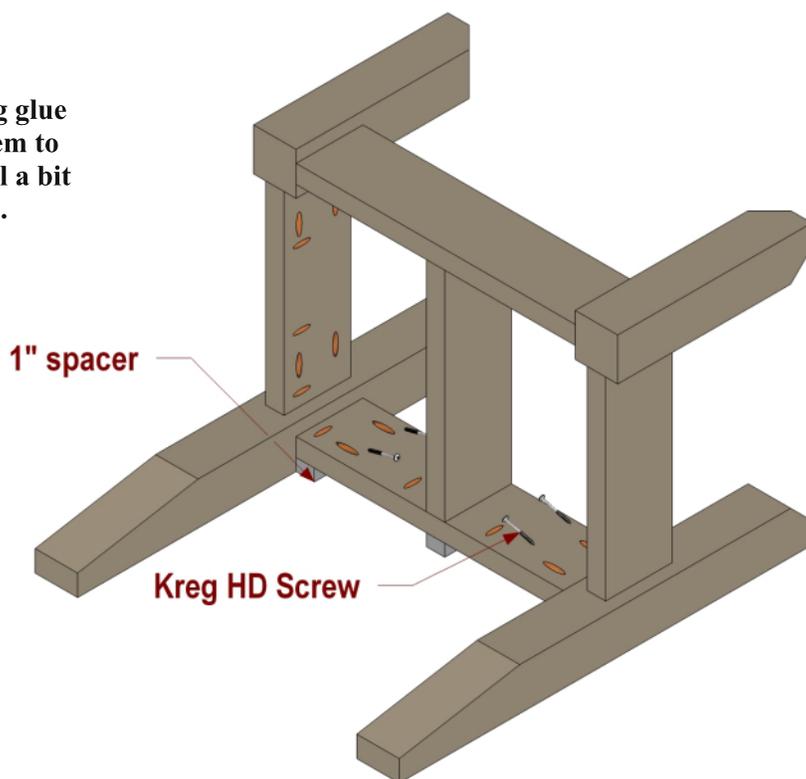
Use the layouts for creating the Front/Back Rails and Stretcher. **Set your Kreg Jig HD and drill bit for 1 1/2" stock for the horizontal holes. Set your regular Kreg Jig and drill bit for 3/4" stock for the vertical holes. You can alternately use the regular Kreg Jig for the horizontal holes.**



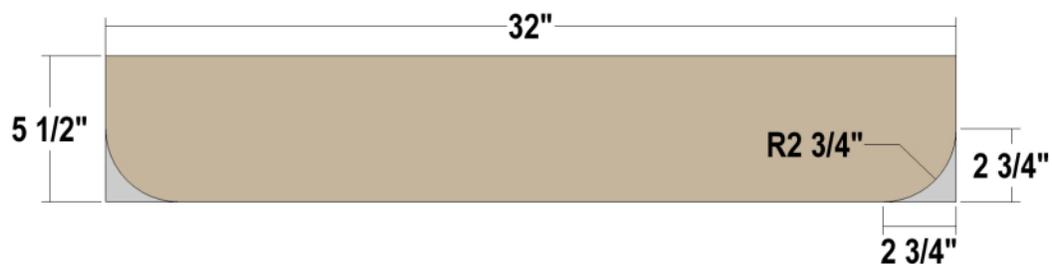
Position the parts as shown and attach using glue and Kreg HD pocket hole screws.



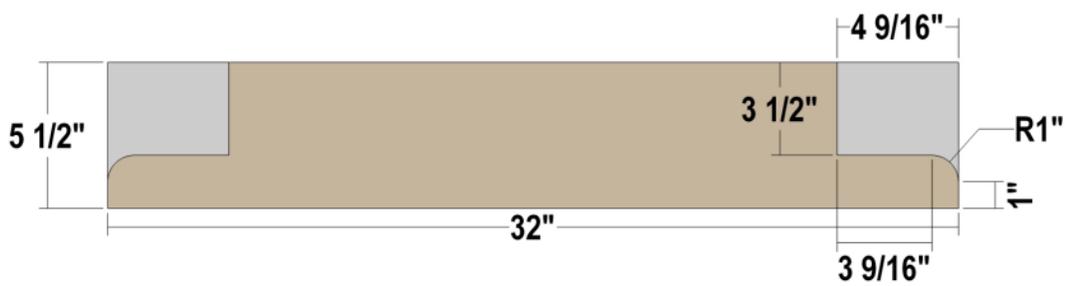
Position the parts as shown and attach using glue and Kreg HD pocket hole screws. It may seem to be a tight space, but you can angle your drill a bit to the side and still drive the screws in place.



Front Seat Slat/Top Back Slat



Back Seat Slat

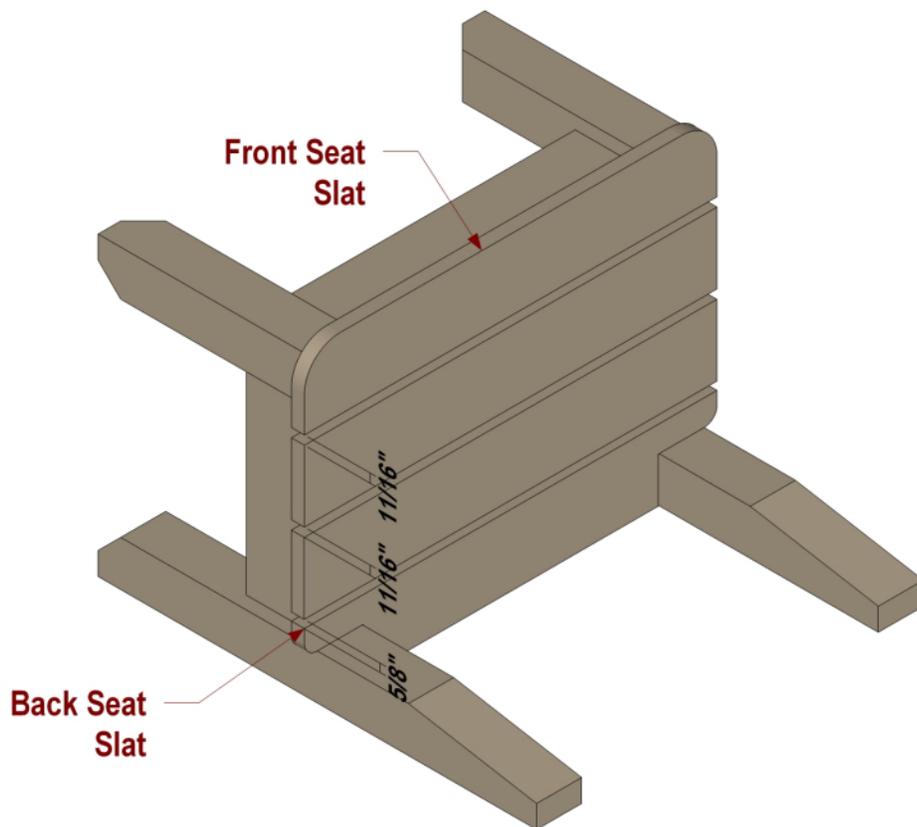
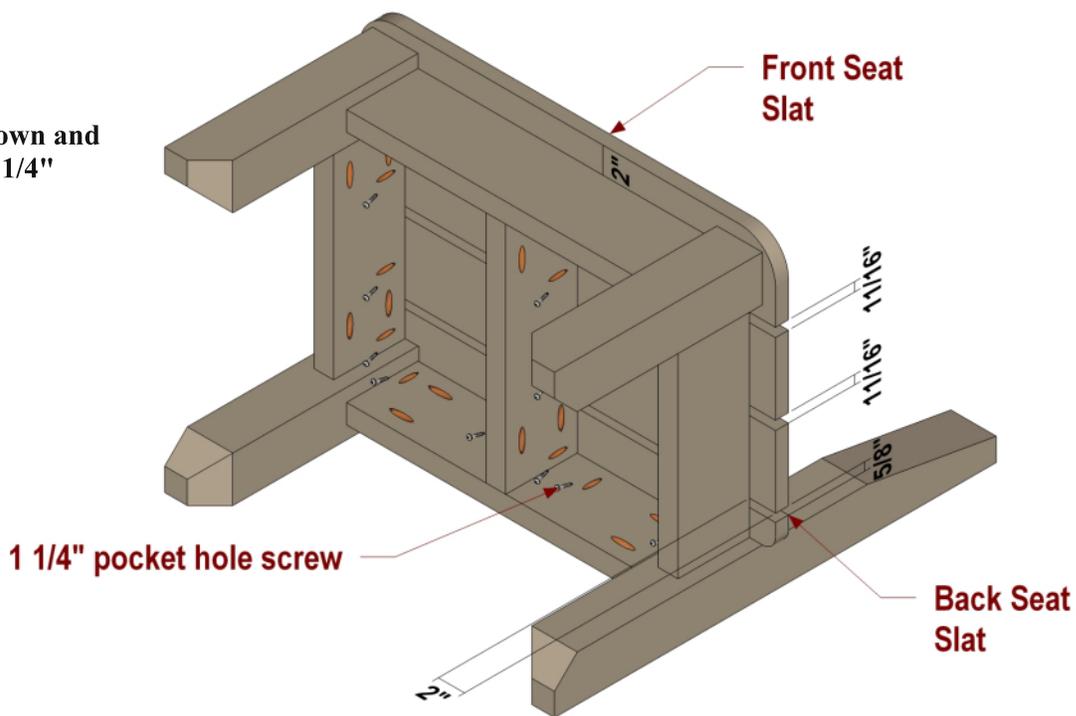


 **NOTE**

Use the layouts for creating the Front Seat Slat, Back Seat Slat, and Top Back Slat. Use a jigsaw or band saw to make the cuts.

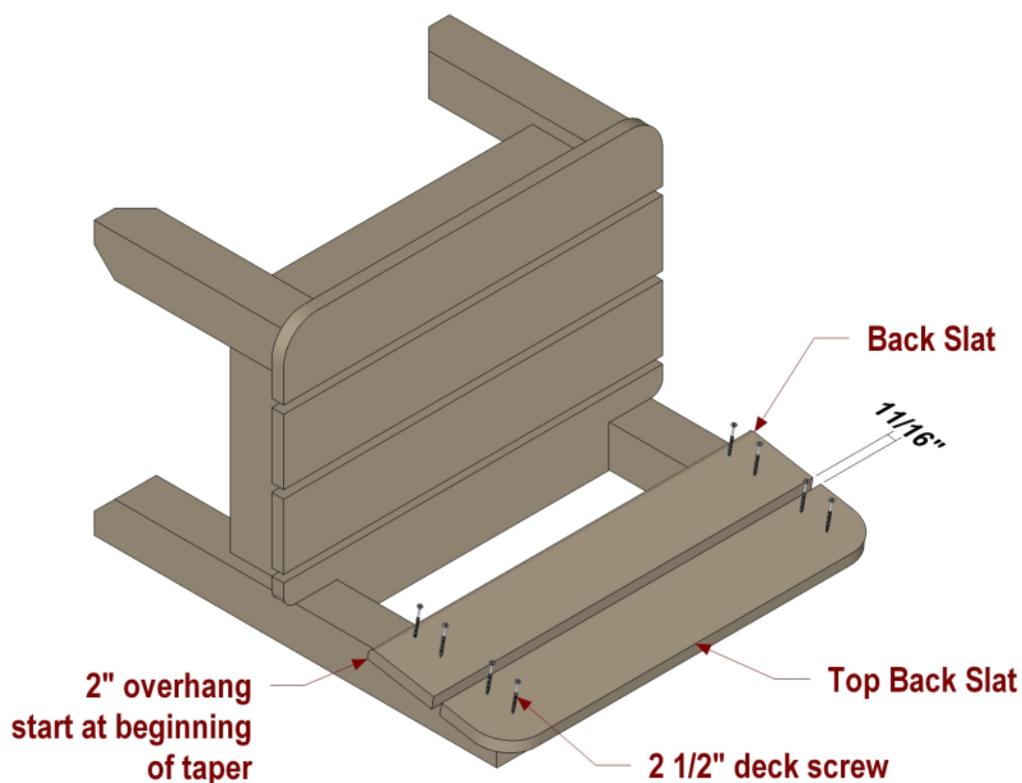
NOTE

Position the parts as shown and attach using glue and 1 1/4" pocket hole screws.



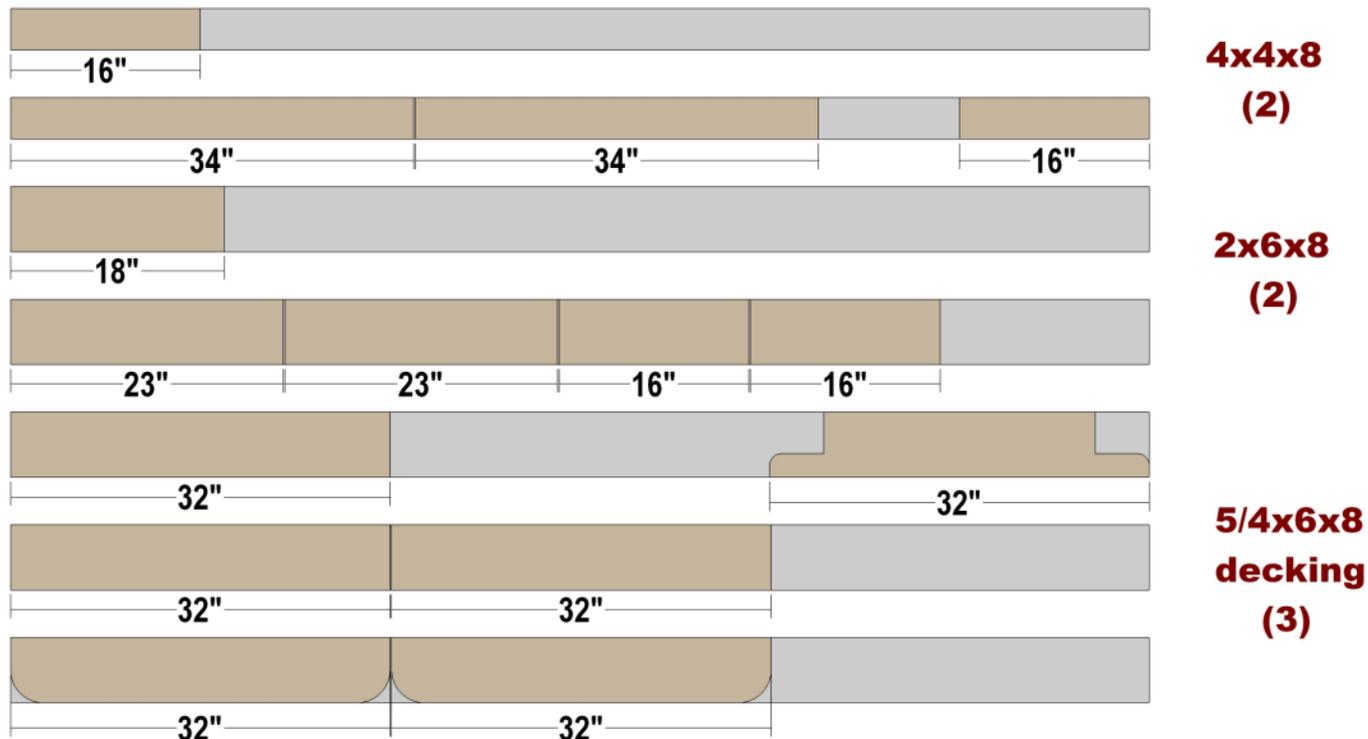
 NOTE

Start with the Back Slat positioned at the beginning of the taper on the Back Legs. Attach using glue and 2 1/2" deck screws. Position the Top Back Slat as shown and attach using glue and 2 1/2" deck screws.





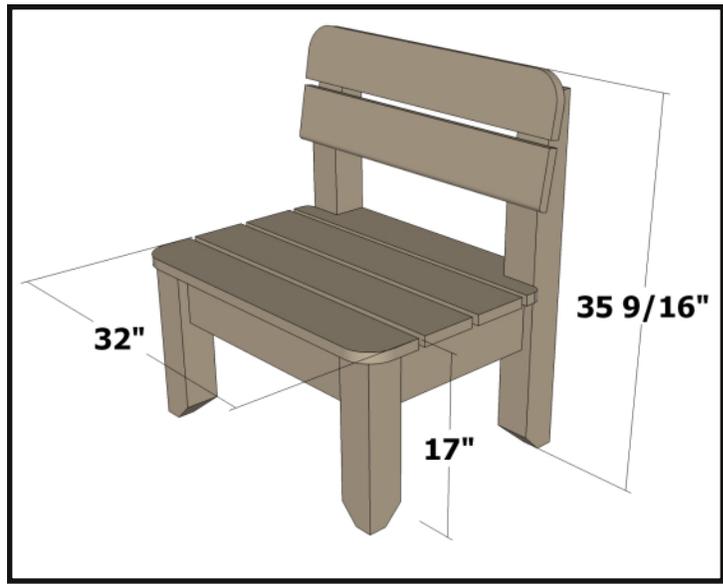
CUTTING DIAGRAM



⚙️ PARTS ⚙️

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- Top Back Slat (1) 1 x 5 1/2 x 32

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⚠️ 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!