

CHIEF'S SHOP PLAN OF THE WEEK



SIMPLE WOODWORKING: FARMHOUSE DINING BENCH



WHAT YOU'LL NEED



LUMBER

6 - 2 x 3 x 8

6 - 1 x 6 x 8

(availability will vary)

Intermediate

or

equivalent 8/4 lumber
planed to 1 1/2" for the 2x

HARDWARE/SUPPLIES

1 1/4" pocket hole screws

2 1/2" pocket hole screws

pocket hole plugs

wood glue

paint/stain

TOOLS

miter saw

jigsaw

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.



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PARTS

Back Legs (2) - 1 1/2 x 2 1/2 x 37

Front Legs (2) - 1 1/2 x 2 1/2 x 16

Stiles (7) - 1 1/2 x 2 1/2 x 3 1/2

Top End Rails (2) - 1 1/2 x 2 1/2 x 16 1/4

Bottom End Rails (2) - 1 1/2 x 2 1/2 x 16 1/4

Top Front Rail (1) - 1 1/2 x 2 1/2 x 69

Bottom Front Rail (1) - 1 1/2 x 2 1/2 x 69

Top Back Rails (2) - 1 1/2 x 2 1/2 x 33 3/4

Bottom Back Rails (2) - 1 1/2 x 2 1/2 x 33 3/4

Back Seat Slat (1) - 1 1/2 x 5 1/2 x 74

Seat Slats (3) - 1 1/2 x 5 1/2 x 74

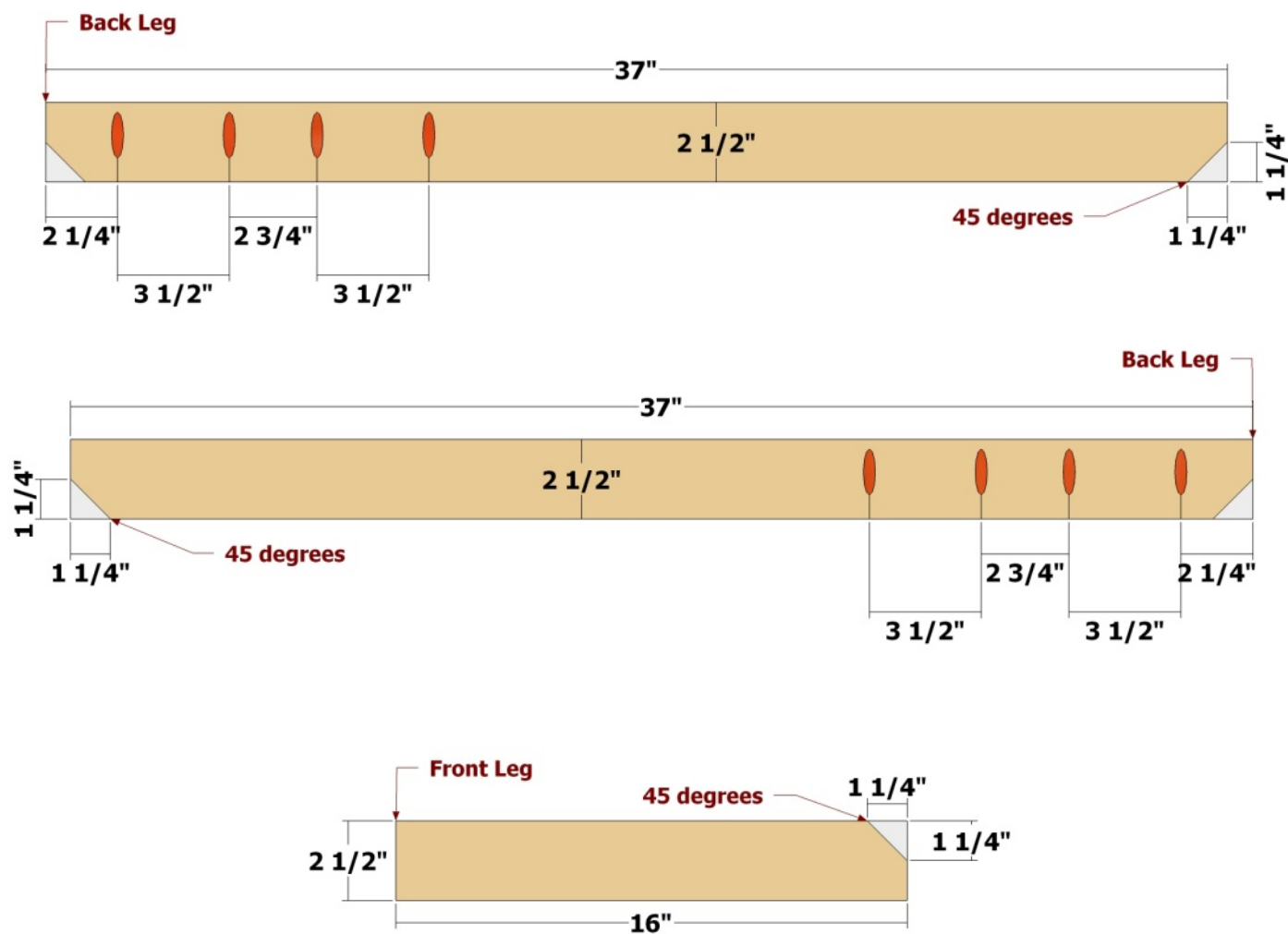
Back Slats (2) - 1 1/2 x 5 1/2 x 74

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](#))

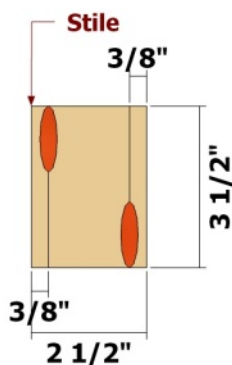
LAYOUT



NOTE

Use the layout as a guide for measuring, marking, and cutting in the **Back Legs** and **Front Legs**. Make two of the **Back Legs** shown in the top layout, and one of the other. Make two **Front Legs**. Use the layout as a guide for drilling pocket holes in the **Back Legs**. Set your jig and drill bit for 3/4" stock (you will be attaching 3/4" boards later).

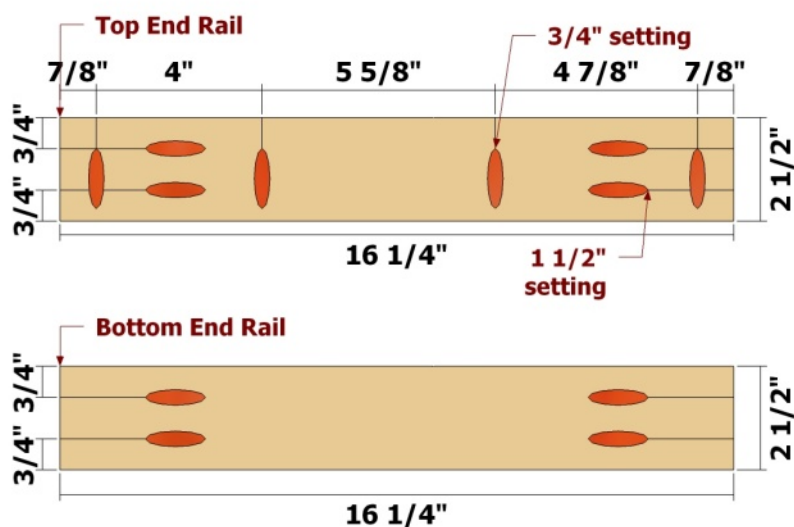
LAYOUT



NOTE

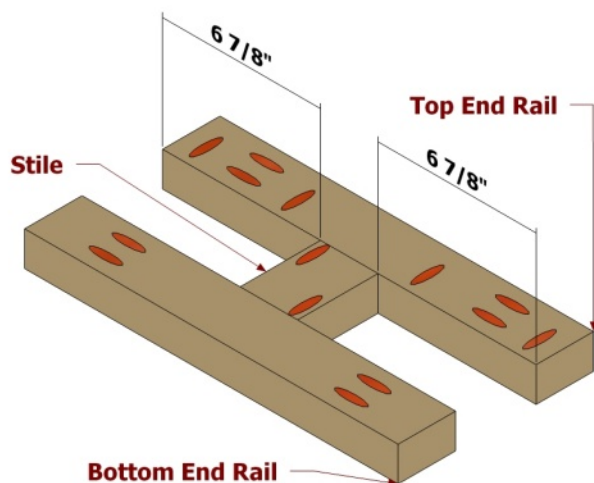
Use the layout as a guide for measuring, marking, cutting, and drilling pocket holes in the **Stiles**. **Make seven.** Set your jig and drill bit for 1 1/2" stock.

LAYOUT



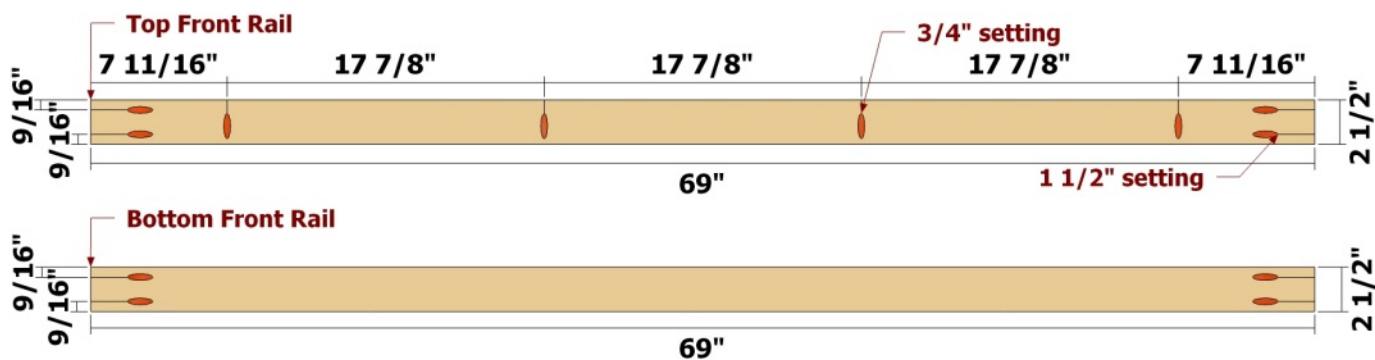
NOTE

Use the layout as a guide for measuring, marking, cutting, and drilling pocket holes in the **Top End Rails** and **Bottom End Rails**. **Make two of each.** Be sure to follow the guidelines as indicated for drilling the pocket holes.



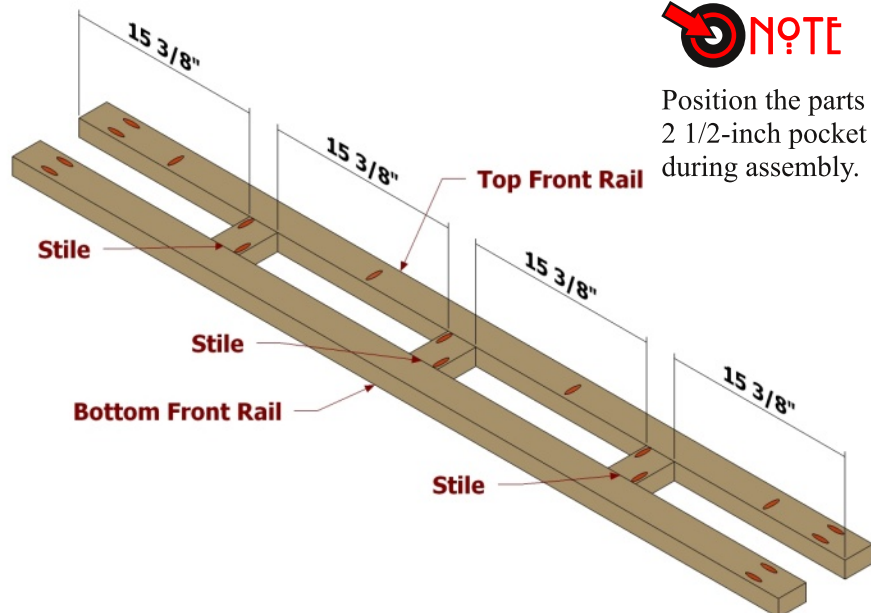
Position the parts as shown and attach using glue and 2 1/2-inch pocket hole screws. Clamp the parts in place during assembly. [Make two assemblies.](#)

LAYOUT



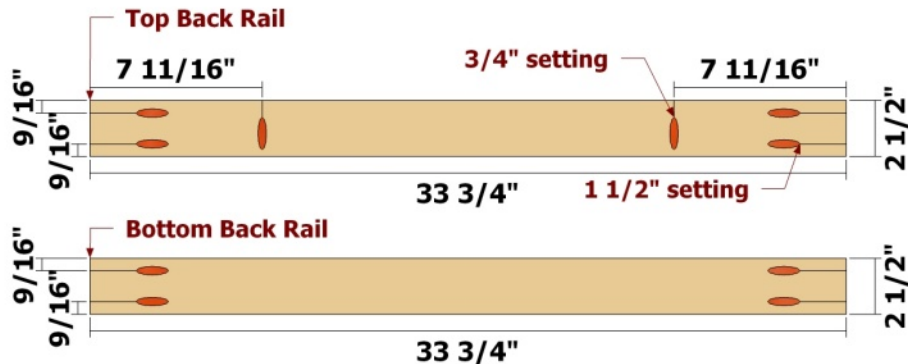
Use the layout as a guide for measuring, marking, cutting, and drilling pocket holes in the **Top Front Rail** and **Bottom Front Rail**.

Be sure to follow the guidelines as indicated for drilling the pocket holes.



Position the parts as shown and attach using glue and 2 1/2-inch pocket hole screws. Clamp the parts in place during assembly.

LAYOUT



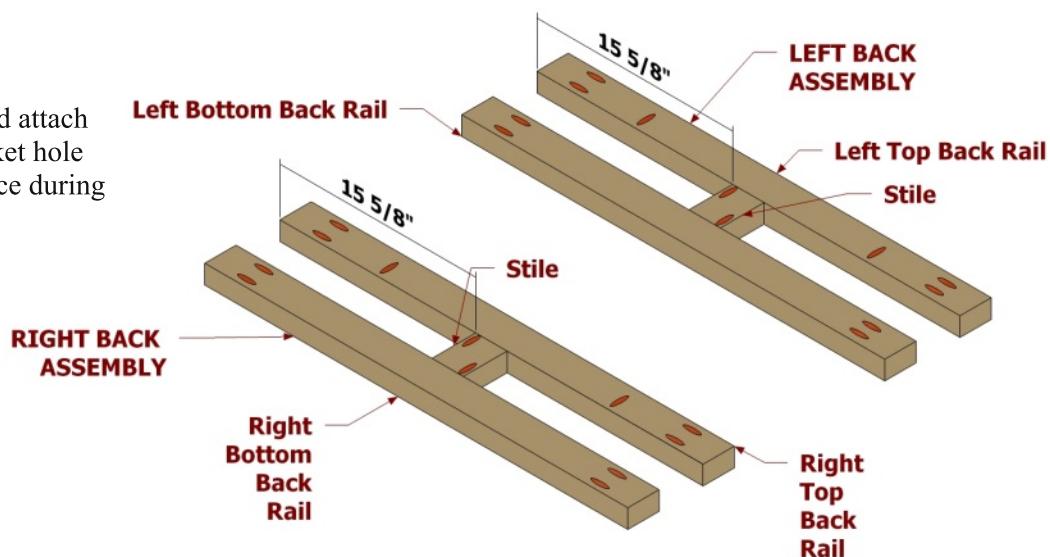
Use the layout as a guide for measuring, marking, cutting, and drilling pocket holes in the **Top Back Rails** and **Bottom Back Rails**.

Be sure to follow the guidelines as indicated for drilling the pocket holes.



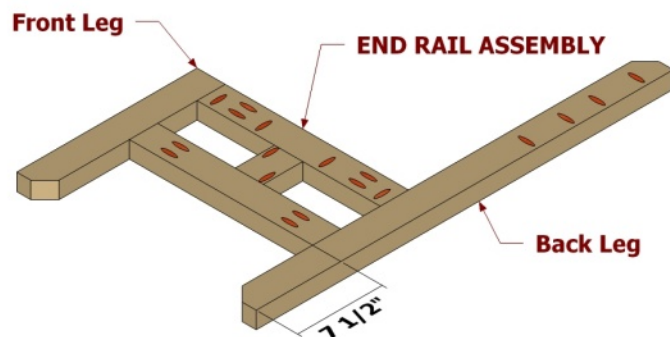
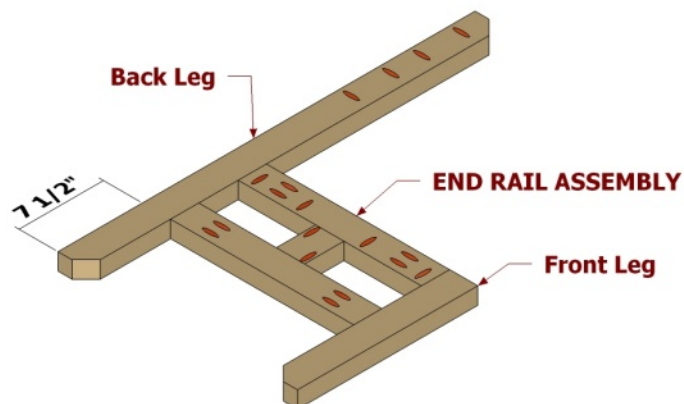
NOTE

Position the parts as shown and attach using glue and 2 1/2-inch pocket hole screws. Clamp the parts in place during assembly.



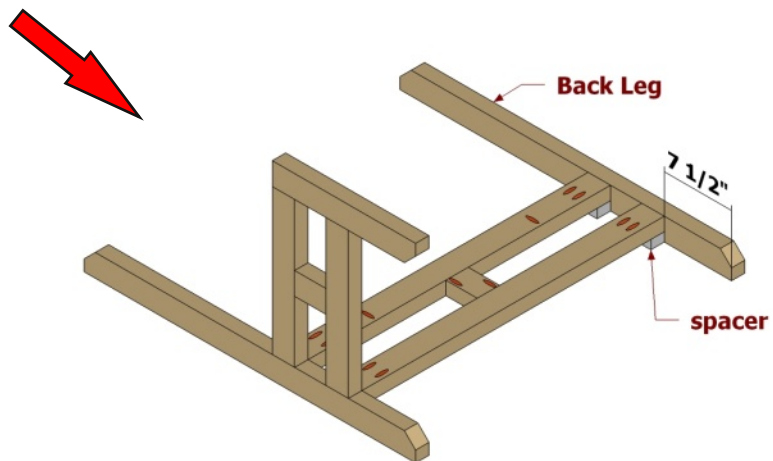
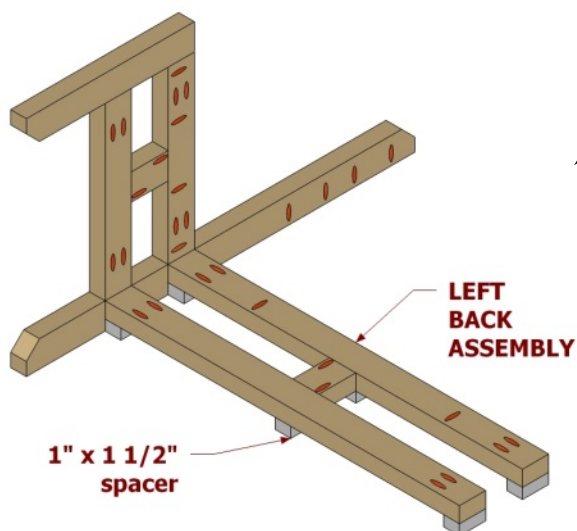
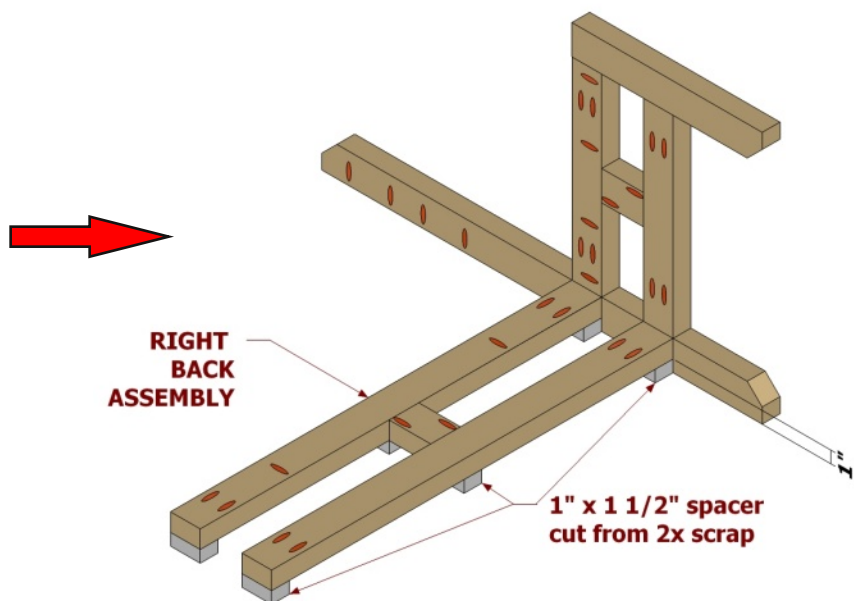
NOTE

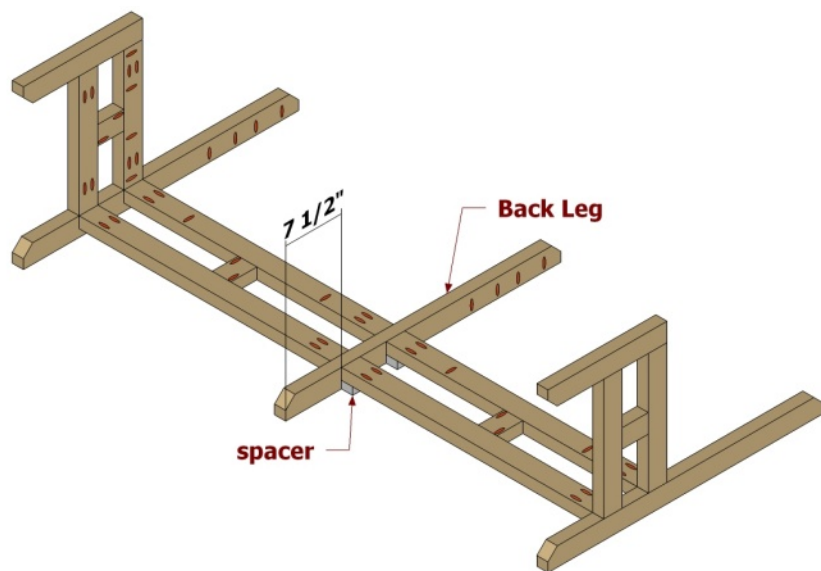
Position the parts as shown and attach using glue and 2 1/2-inch pocket hole screws. Clamp the parts in place during assembly.



NOTE

Position the parts as shown and attach using glue and 2 1/2-inch pocket hole screws. Clamp the parts in place during assembly. Use scrap cut from 2x to create the spacers.

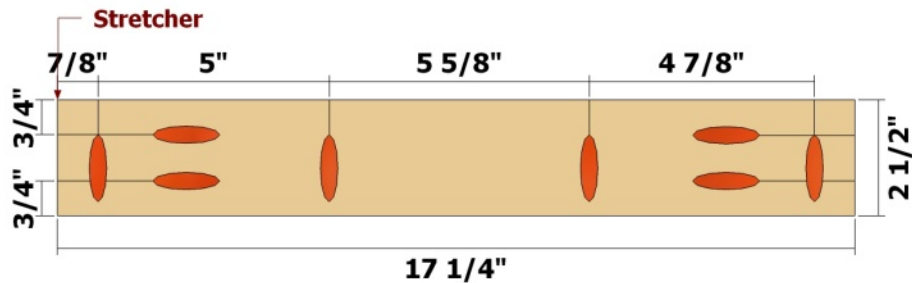




NOTE

Position the parts as shown and attach using glue and 2 1/2-inch pocket hole screws. Clamp the parts in place during assembly.

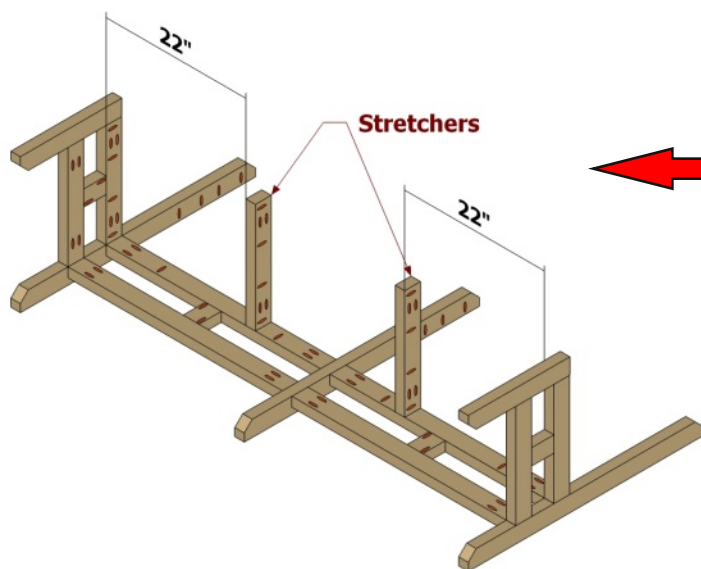
LAYOUT



NOTE

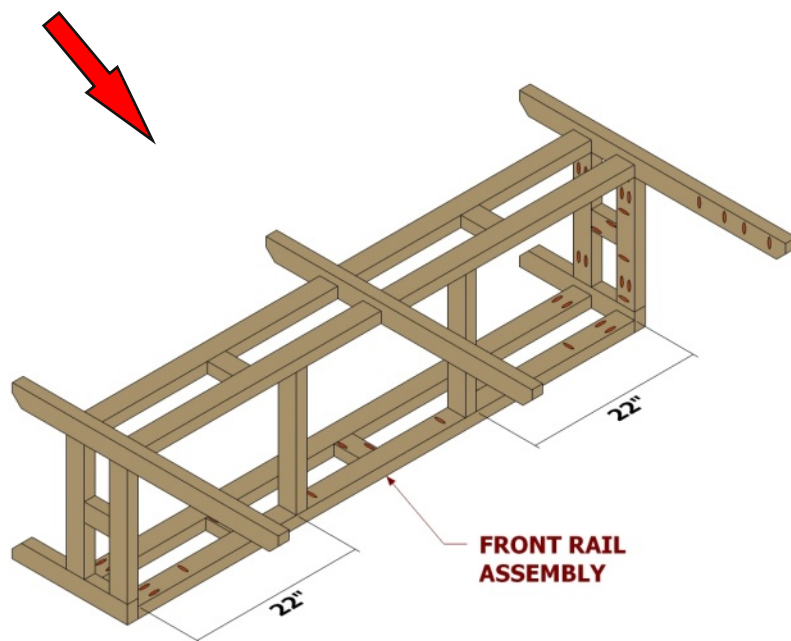
Use the layout as a guide for measuring, marking, cutting, and drilling pocket holes in the **Stretchers**.

Set your jig and drill bit for 1 1/2-inch stock for the holes on the ends and 3/4-inch stock for the remaining holes (as was done on the previous parts).

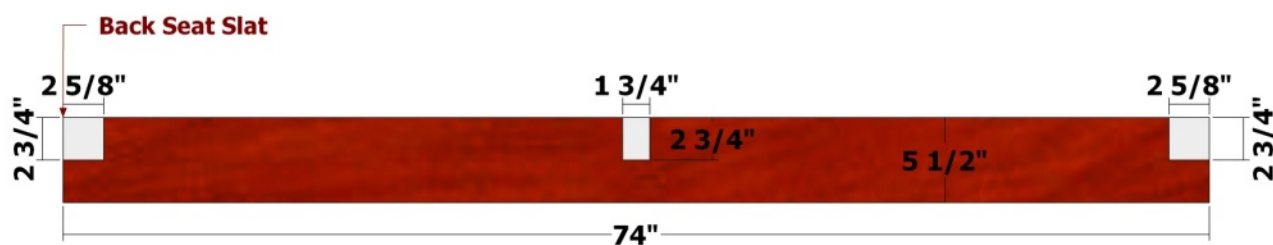


NOTE

Position the parts as shown and attach using glue and 2 1/2-inch pocket hole screws. Clamp the parts in place during assembly.



LAYOUT



NOTE

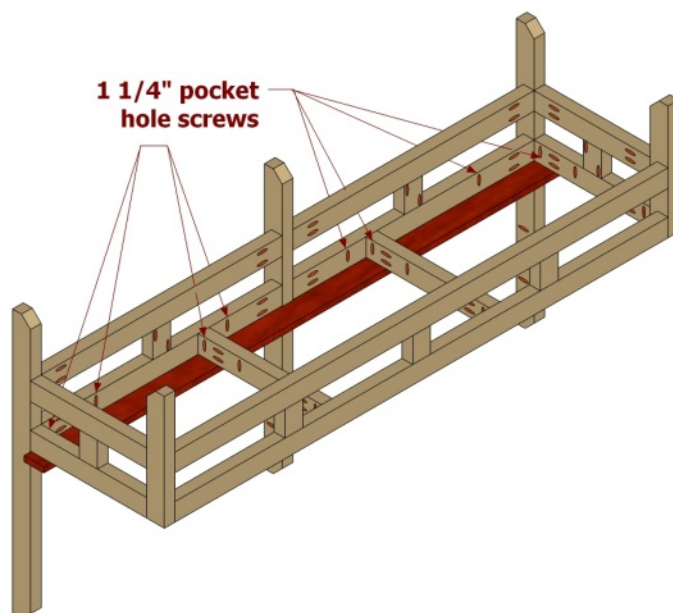
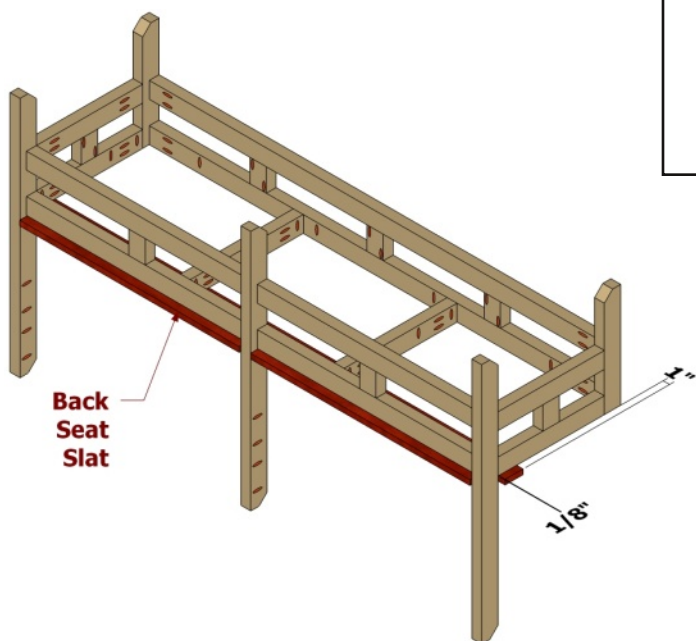
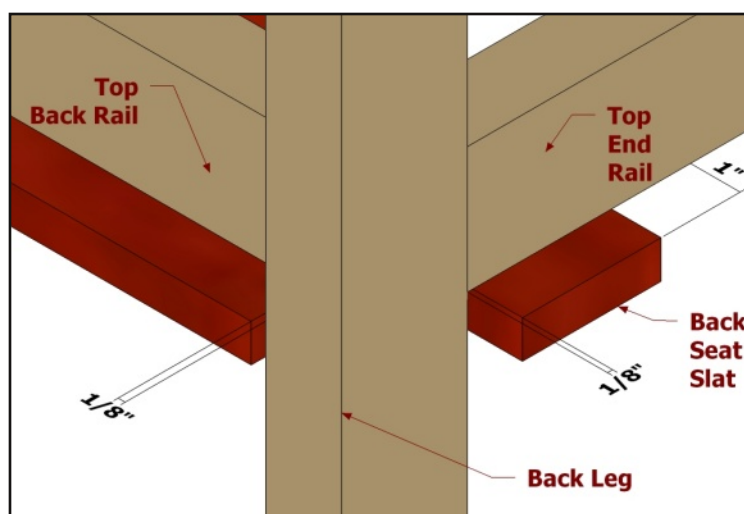
Use the layout as a guide for measuring, marking, and cutting the **Back Seat Slat**. Use a jigsaw to cut the notches.



NOTE

Position the **Back Seat Slat** as shown and attach using glue and 1 1/4-inch pocket hole screws. Clamp the parts in place during assembly.

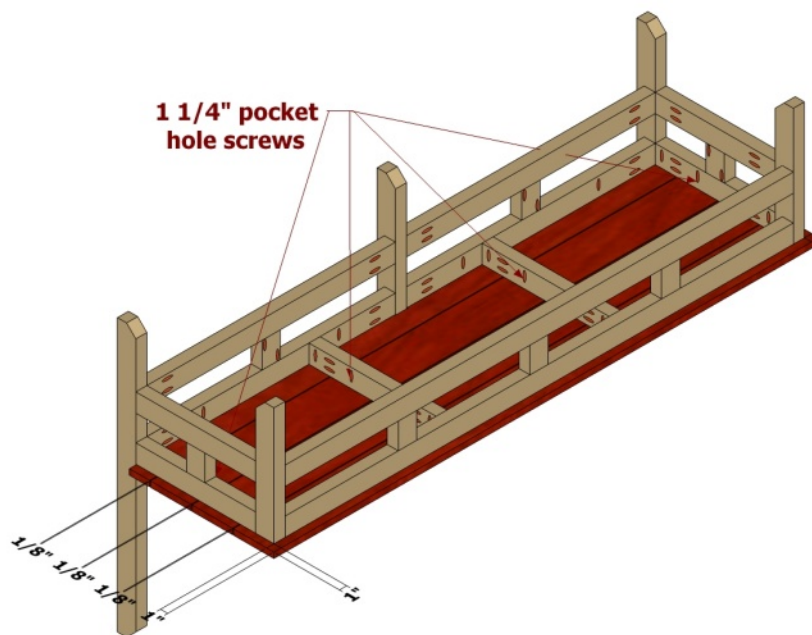
Tip: A wooden paint stir stick makes a good 1/8-inch spacer.



NOTE

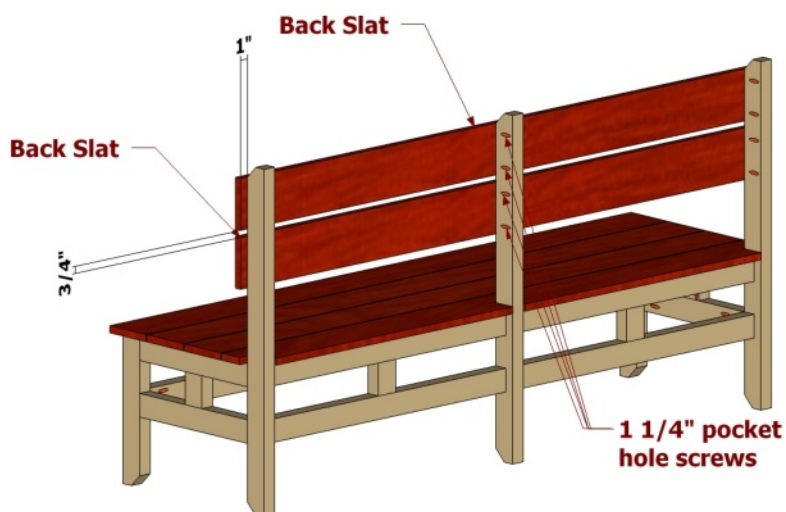
Position the remaining **Seat Slats** as shown and attach using glue and 1 1/4-inch pocket hole screws. Clamp the parts in place during assembly.

Tip: A wooden paint stir stick makes a good 1/8-inch spacer.



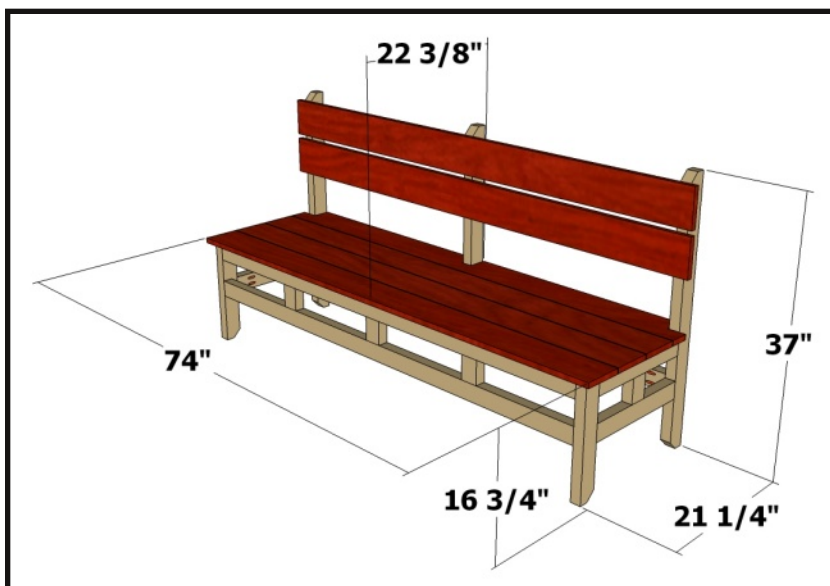
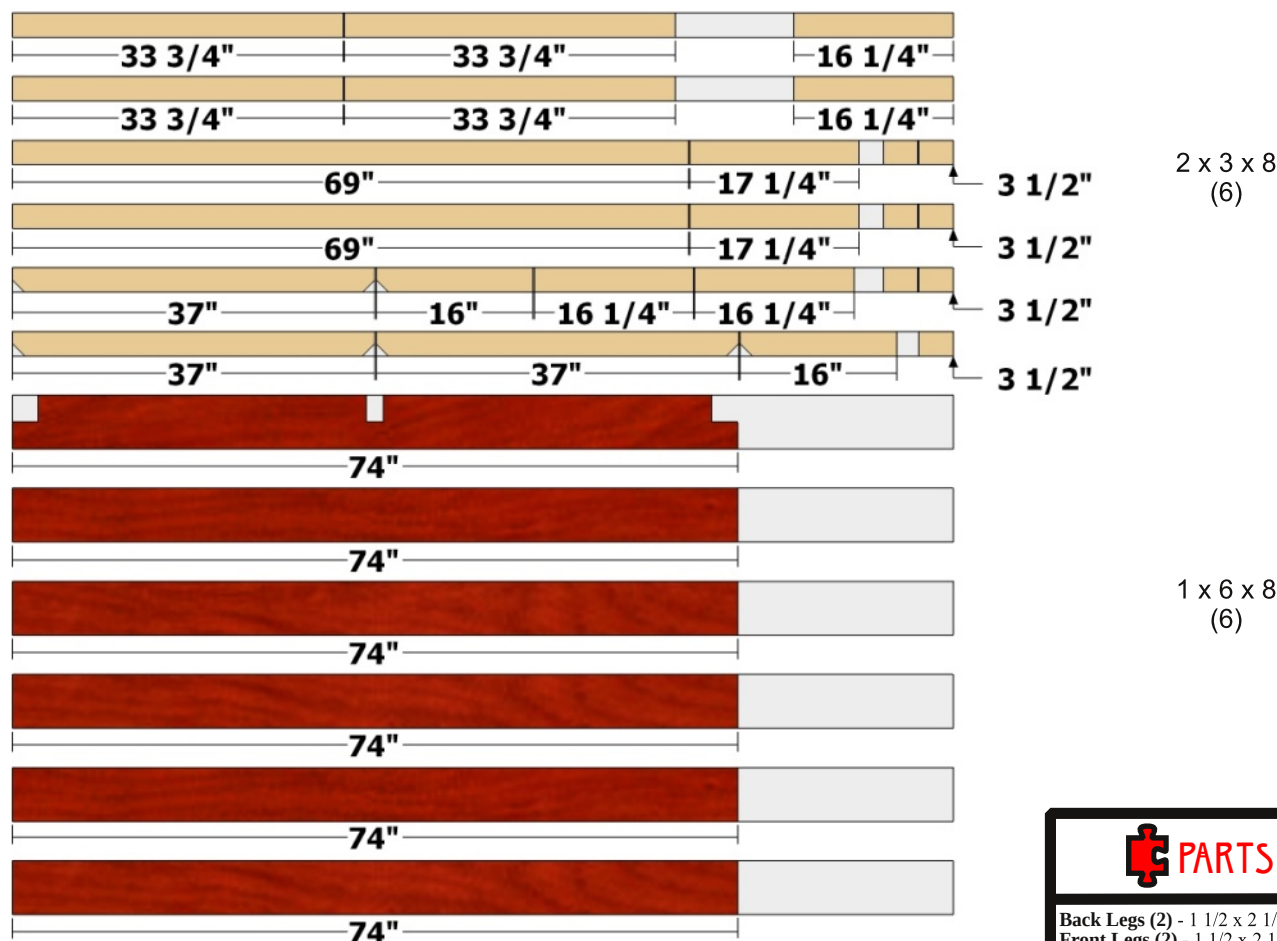
NOTE

Position the **Back Slats** as shown and attach using glue and 1 1/4-inch pocket hole screws. Clamp the parts in place during assembly.





CUTTING DIAGRAM



PARTS

Back Legs (2) - 1 1/2 x 2 1/2 x 37
 Front Legs (2) - 1 1/2 x 2 1/2 x 16
 Stiles (7) - 1 1/2 x 2 1/2 x 3 1/2
 Top End Rails (2) - 1 1/2 x 2 1/2 x 16 1/4
 Bottom End Rails (2) - 1 1/2 x 2 1/2 x 16 1/4
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 Bottom Front Rail (1) - 1 1/2 x 2 1/2 x 69
 Top Back Rails (2) - 1 1/2 x 2 1/2 x 33 3/4
 Bottom Back Rails (2) - 1 1/2 x 2 1/2 x 33 3/4
 Back Seat Slat (1) - 1 1/2 x 5 1/2 x 74
 Seat Slats (3) - 1 1/2 x 5 1/2 x 74
 Back Slats (2) - 1 1/2 x 5 1/2 x 74

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!