

CHIEF'S SHOP PLAN OF THE WEEK

SPECTATOR BENCH



WHAT YOU'LL NEED



LUMBER

2 - 1x3x8
3 - 1x6x8
4 - 2x4x8

(availability will vary)

HARDWARE/SUPPLIES

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

TOOLS

table saw, miter saw, jigsaw
sander/belt sander
drill/driver
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



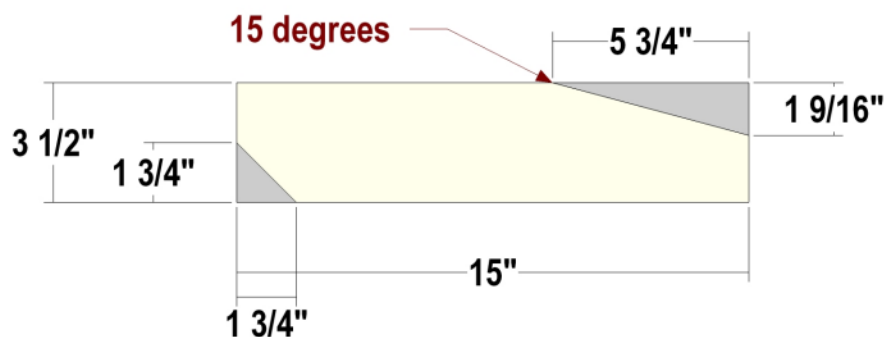
legs (6) - 1 1/2 x 3 1/2 x 15
end rails (3) - 1 1/2 x 3 1/2 x 15
brackets (6) - 1 1/2 x 1 1/2 x 8 1/8
stretchers (2) - 1 1/2 x 3 1/2 x 15 1/2
side rails - 1 1/2 x 3 1/2 x 40
wide slats (3) - 3/4 x 5 1/2 x 85 1/2
supports (4) - 1 1/2 x 1 3/4 x 3 1/2
narrow slats (2) - 3/4 x 3 1/2 x 85 1/2

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.

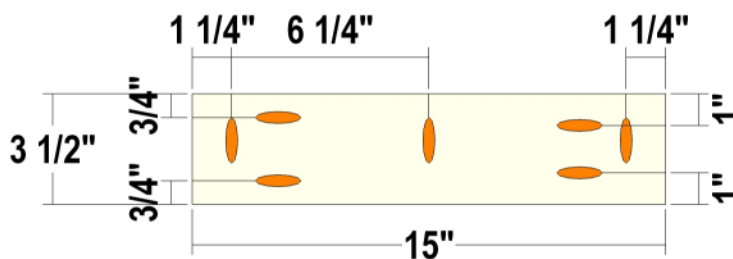
VIDEO?

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

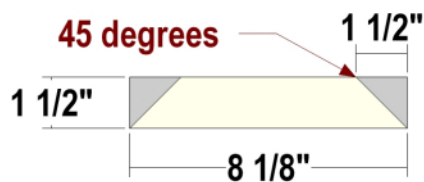
Leg



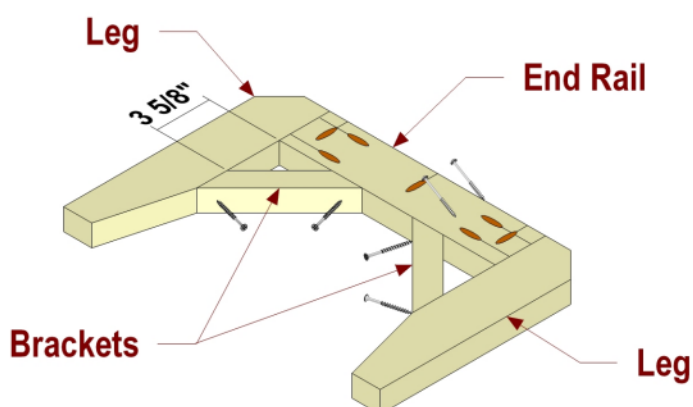
End Rail



Bracket

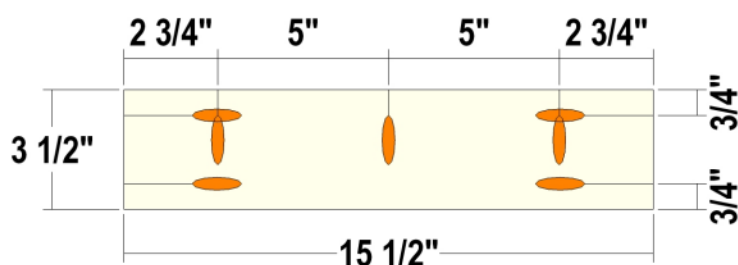


Use the layouts for creating the Legs, End Rails, and Brackets. **For the End Rail, set your Kreg Jig and drill bit for 1 1/2" stock for the horizontal pocket holes and 3/4" stock for the vertical pocket holes.**

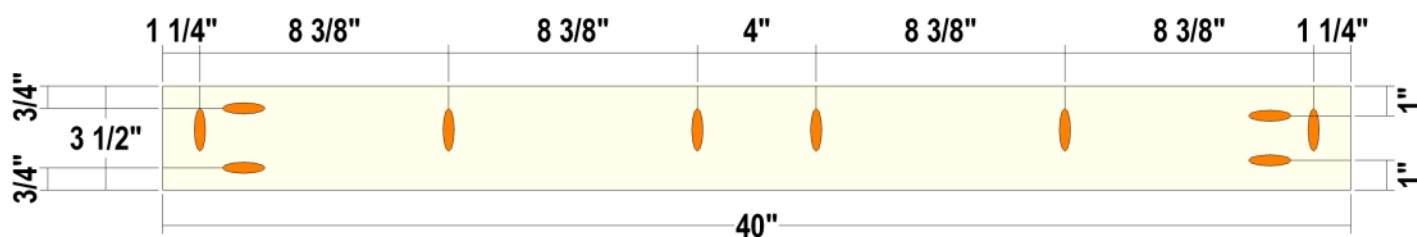


Apply glue to mating parts and position as shown. Attach the End Rail to the Legs using 2 1/2" pocket hole screws and the Brackets to the Legs and End Rails using 2 1/2" deck screws. Drill countersunk pilot holes for the screws for the Brackets. Create three assemblies.

Stretcher

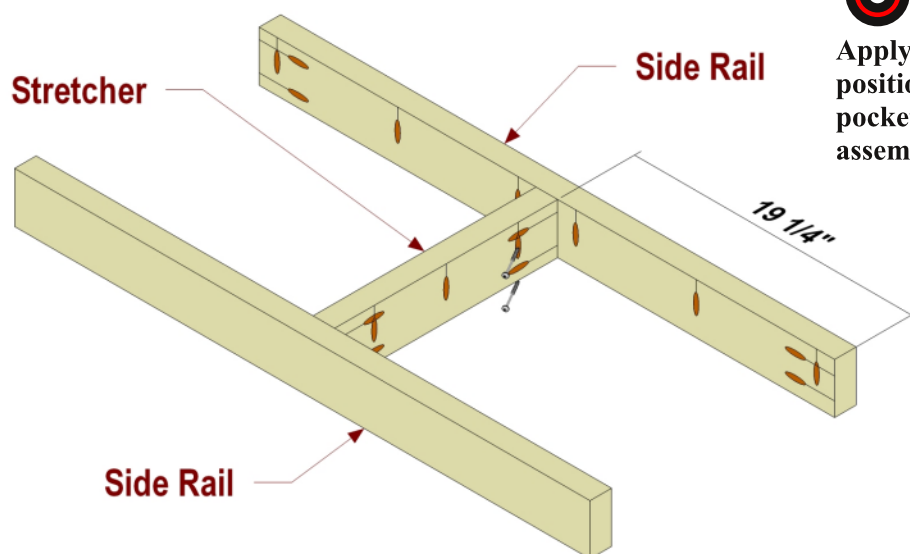


Side Rail

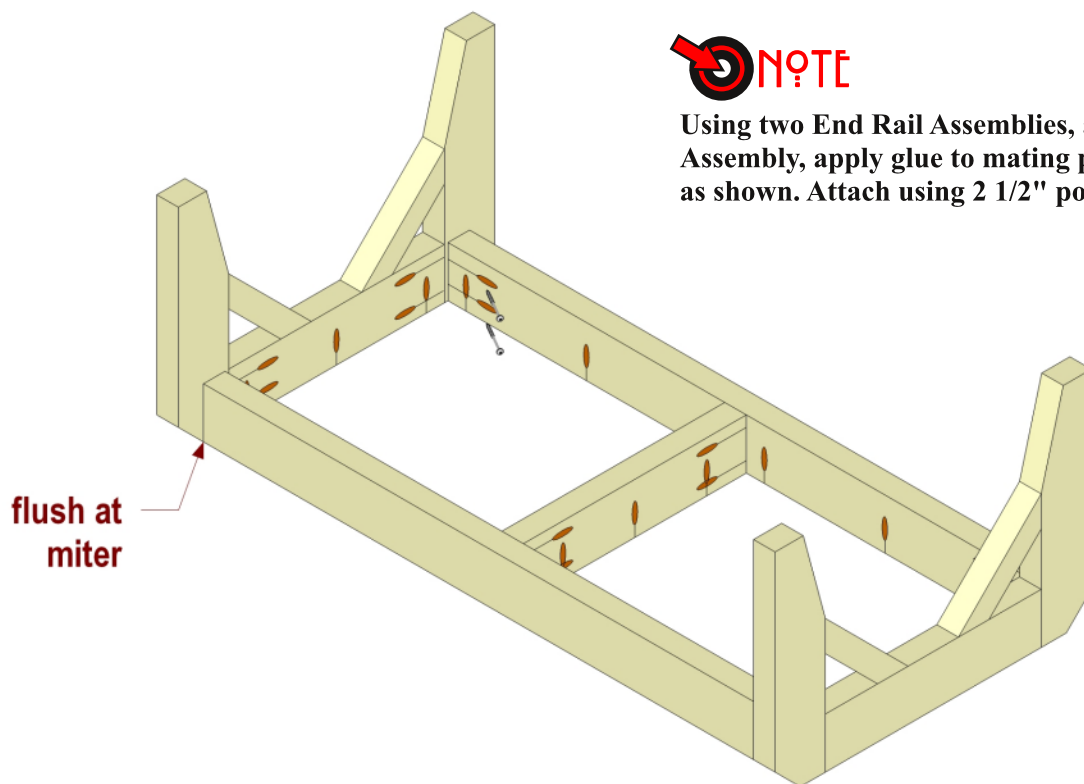


Use the layouts for creating the Stretchers and Side Rails. Set your Kreg Jig and drill bit for 1 1/2" stock for the horizontal pocket holes and 3/4" stock for the vertical pocket holes.

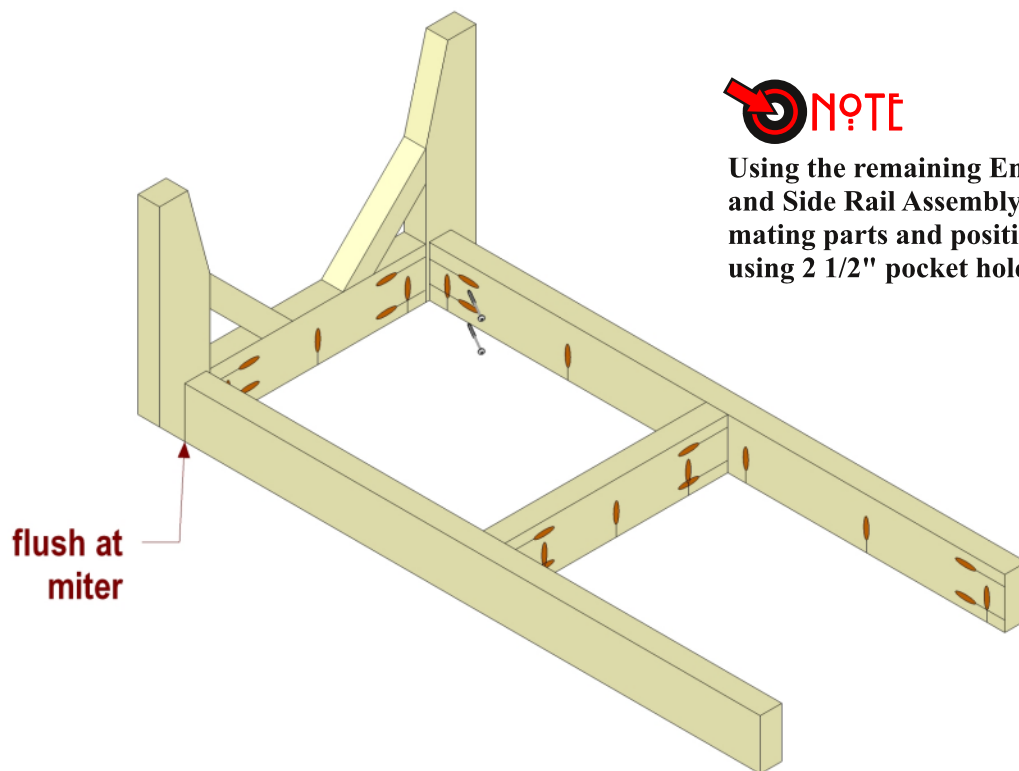
SPECTATOR BENCH



Apply glue to mating parts and position as shown. Attach using 2 1/2" pocket hole screws. Create two assemblies.



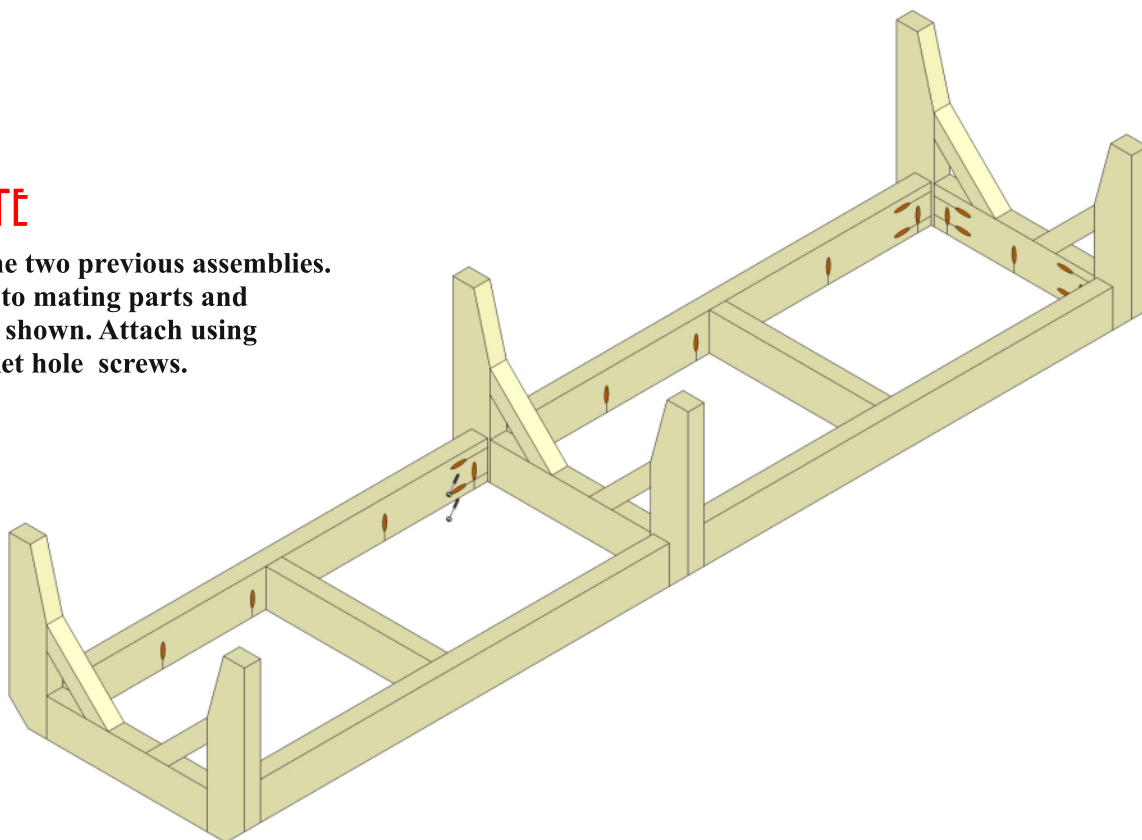
Using two End Rail Assemblies, and one Side Rail Assembly, apply glue to mating parts and position as shown. Attach using 2 1/2" pocket hole screws.



Using the remaining End Rail Assembly and Side Rail Assembly, apply glue to mating parts and position as shown. Attach using 2 1/2" pocket hole screws.

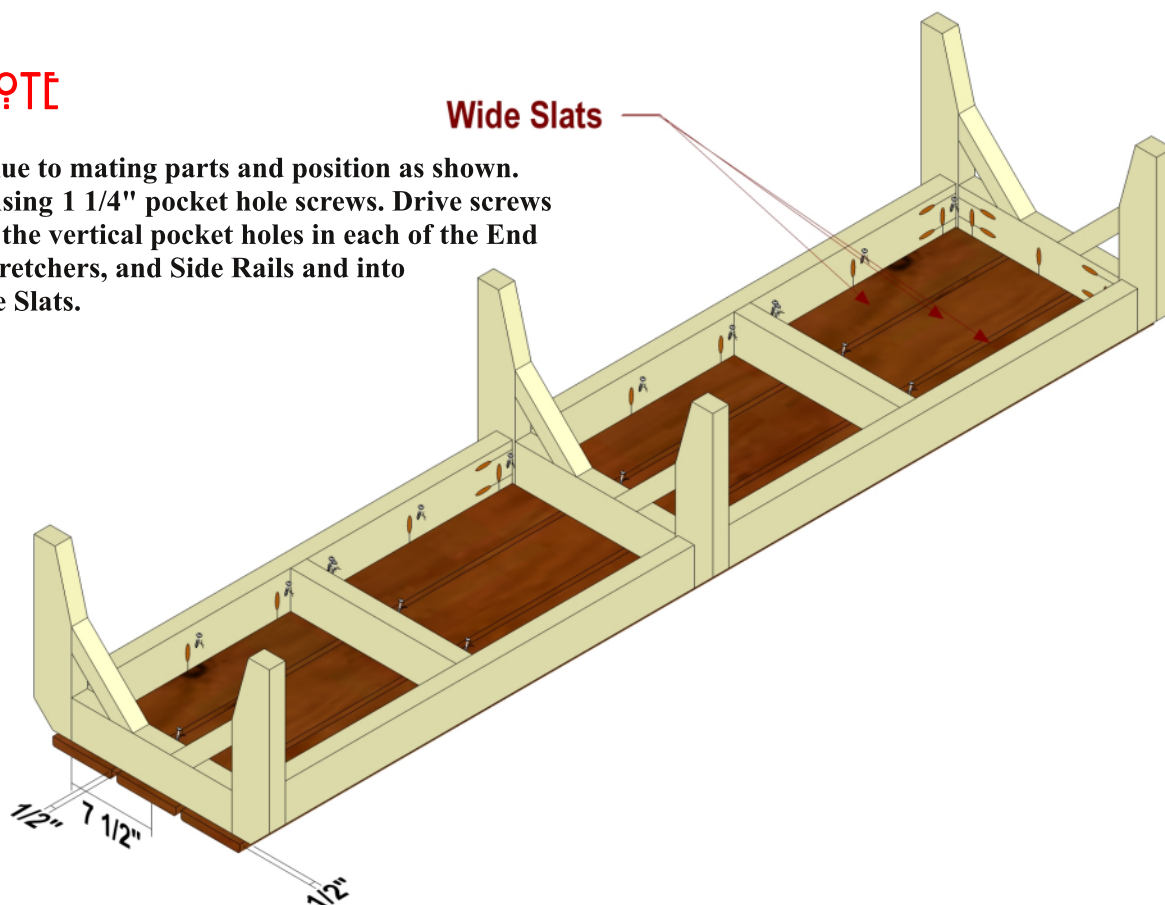


Now join the two previous assemblies. Apply glue to mating parts and position as shown. Attach using 2 1/2" pocket hole screws.

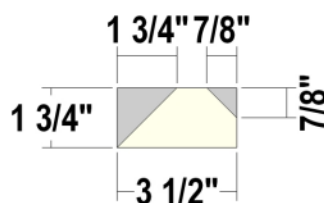




Apply glue to mating parts and position as shown. Attach using 1 1/4" pocket hole screws. Drive screws through the vertical pocket holes in each of the End Rails, Stretchers, and Side Rails and into the Wide Slats.



Support

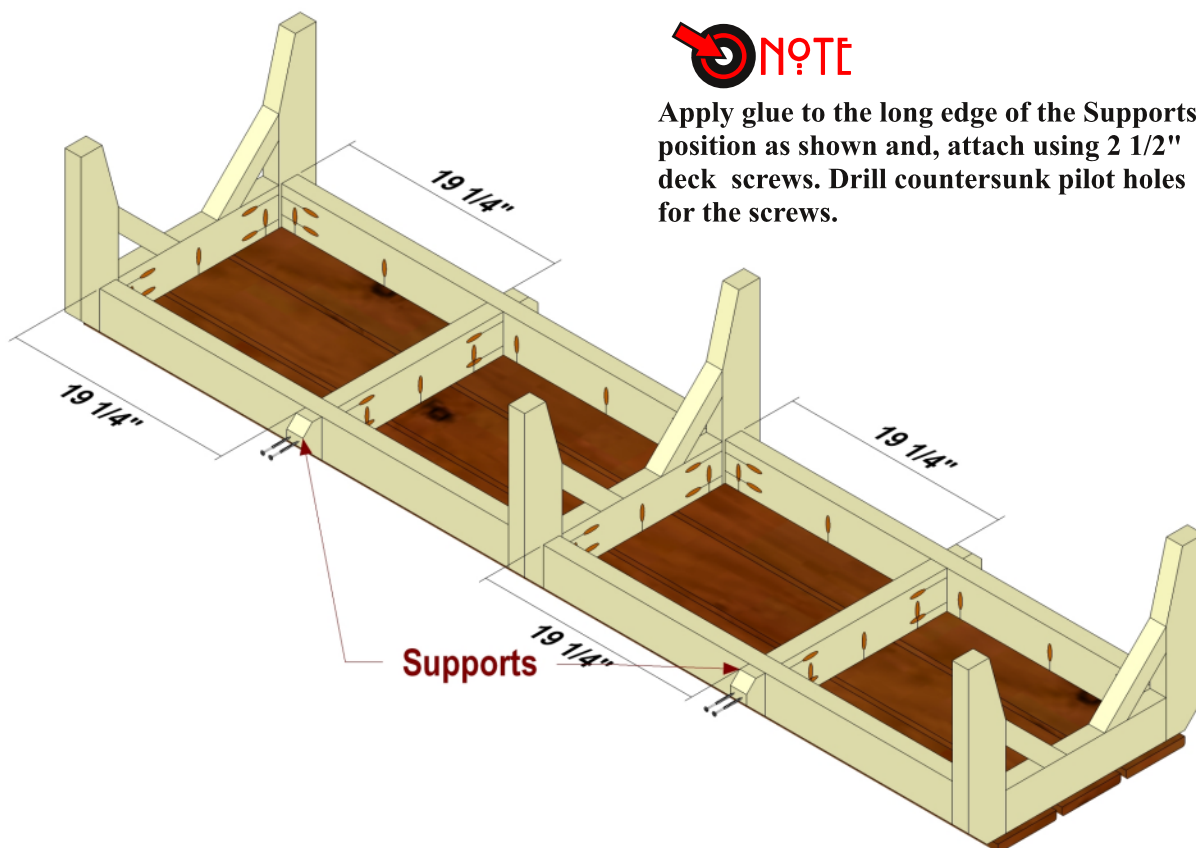


Use the layout for creating the Support. Use the Cutting Diagram as a guide for ripping the stock for the Supports. Cut the Supports from right to left on the miter saw. The miter cuts are at 45 degrees.

SPECTATOR BENCH

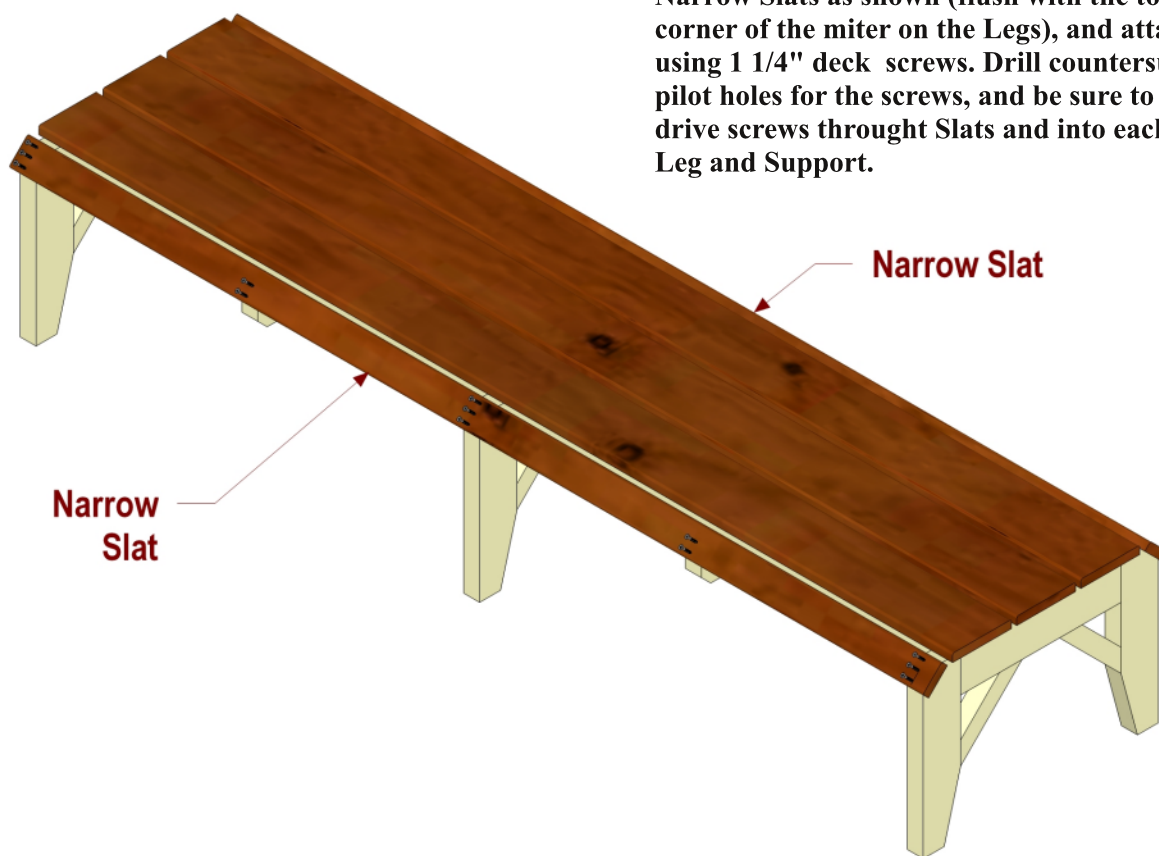


NOTE
Apply glue to the long edge of the Supports, position as shown and, attach using 2 1/2" deck screws. Drill countersunk pilot holes for the screws.



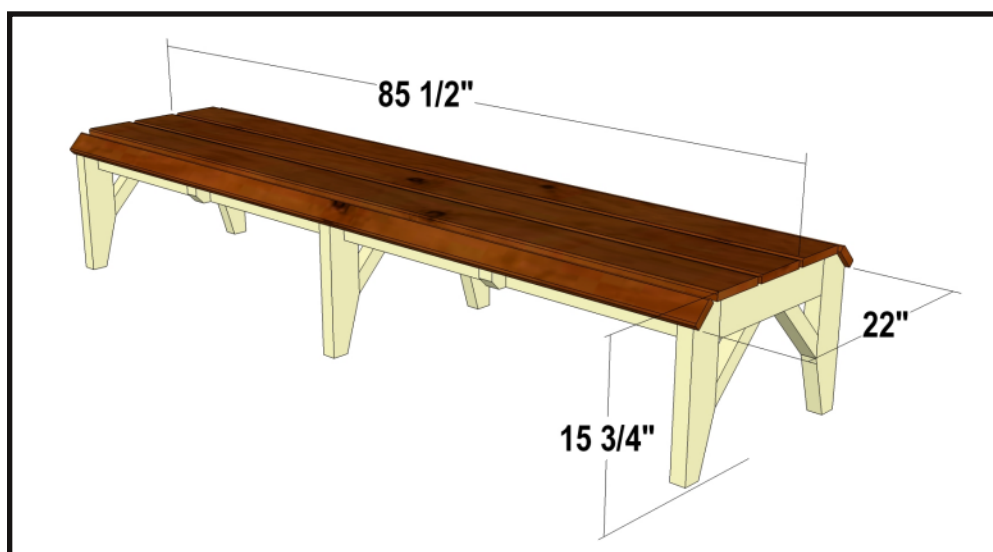
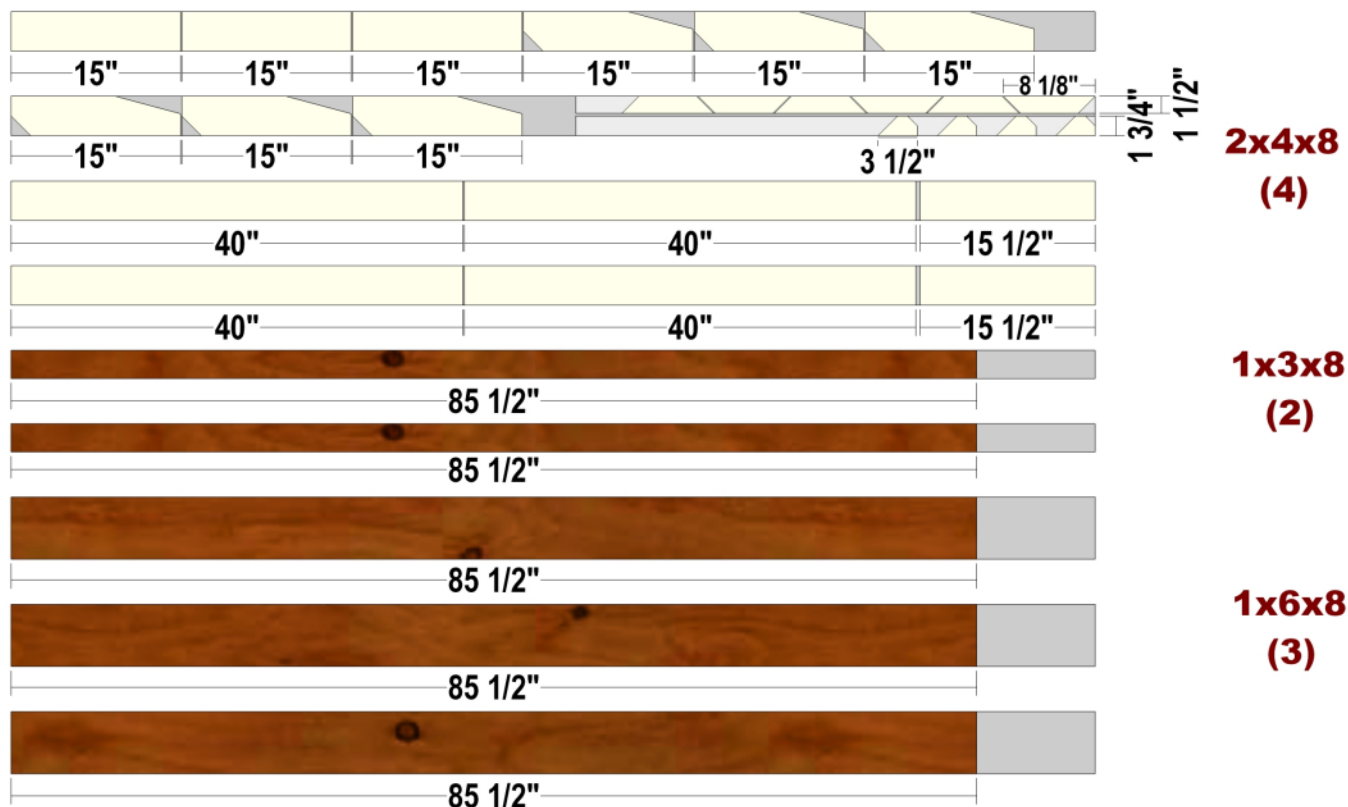


Apply glue to mating parts, position the Narrow Slats as shown (flush with the top corner of the miter on the Legs), and attach using 1 1/4" deck screws. Drill countersunk pilot holes for the screws, and be sure to drive screws through Slats and into each Leg and Support.





CUTTING DIAGRAM



Estimated lumber cost:
starting at \$35 for one



parts

- legs (6) - 1 1/2 x 3 1/2 x 15
- end rails (3) - 1 1/2 x 3 1/2 x 15
- brackets (6) - 1 1/2 x 1 1/2 x 8 1/8
- stretchers (2) - 1 1/2 x 3 1/2 x 15 1/2
- side rails - 1 1/2 x 3 1/2 x 40
- wide slats (3) - 3/4 x 5 1/2 x 85 1/2
- supports (4) - 1 1/2 x 1 3/4 x 3 1/2
- narrow slats (2) - 3/4 x 3 1/2 x 85 1/2

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.



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!