

CHIEF'S SHOP PLAN OF THE WEEK

WEEKEND RETREAT BENCH



WHAT YOU'LL NEED



LUMBER

6 - 2x4x8

3 - 2x6x8

2 - 2x8x8

(availability will vary)

HARDWARE/SUPPLIES

Kreg 2 1/2" pocket hole screws

2 1/2" deck screws

wood glue, wood filler, pocket hole plugs, choice of finish

TOOLS

miter saw, table saw or jigsaw

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



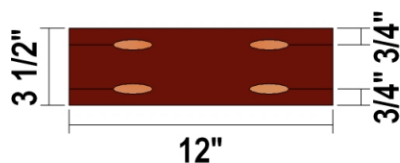
end rails (4) - 1 1/2 x 3 1/2 x 12
outer legs (4) - 1 1/2 x 5 1/2 x 16
outer side rails (2) - 1 1/2 x 3 1/2 x 72
long braces (2) - 1 1/2 x 3 1/2 x 33 5/8
stretchers (6) - 1 1/2 x 3 1/2 x 17
inner side rails (2) - 1 1/2 x 3 1/2 x 72
inner legs (4) - 1 1/2 x 5 1/2 x 12
outer slats (2) - 1 1/2 x 7 1/4 x 81
inner slats (2) - 1 1/2 x 5 1/2 x 81
bracketss (2) - 1 1/2 x 3 1/2 x 25 1/16

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.

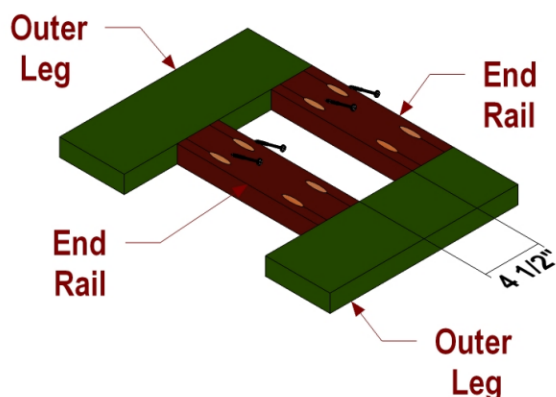
VIDEO?

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

End Rail

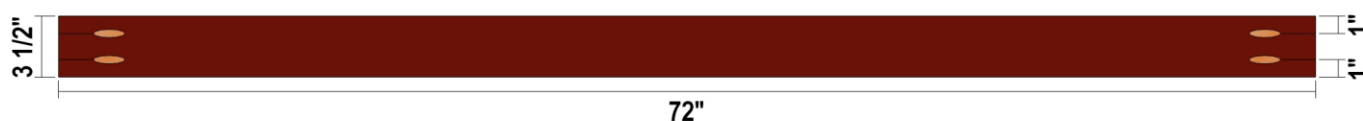


NOTE
Use the layout for creating the End Rails.
Set your Kreg Jig and drill bit for 1 1/2" stock for the pocket holes.



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

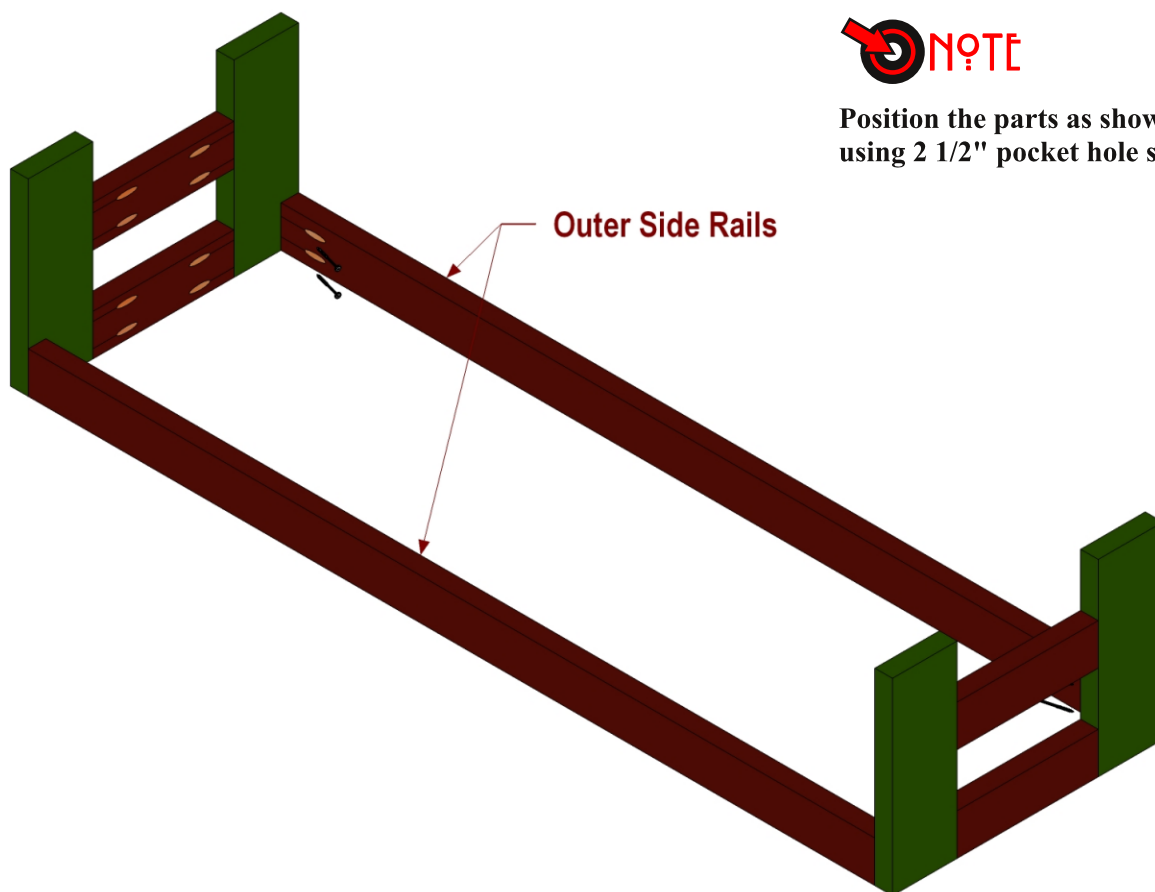
Outer Side Rail



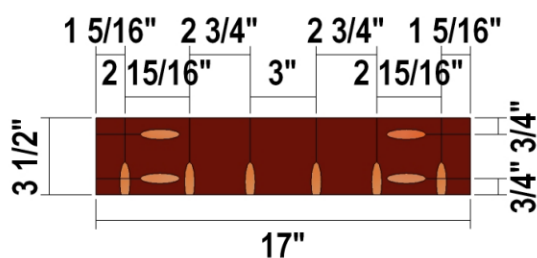
NOTE
Use the layout for creating the Outside Side Rails.
Set your Kreg Jig and drill bit for 1 1/2" stock for the pocket holes.



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

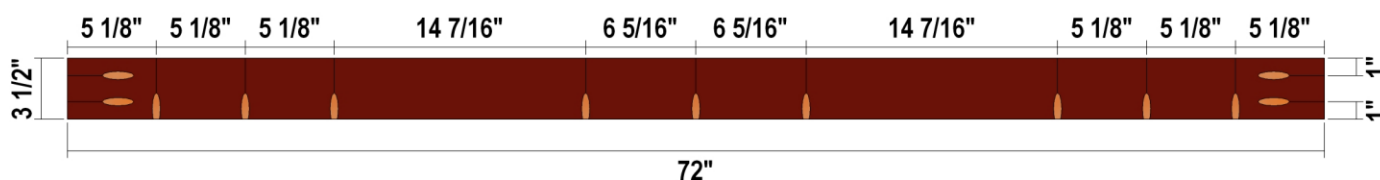


Stretcher

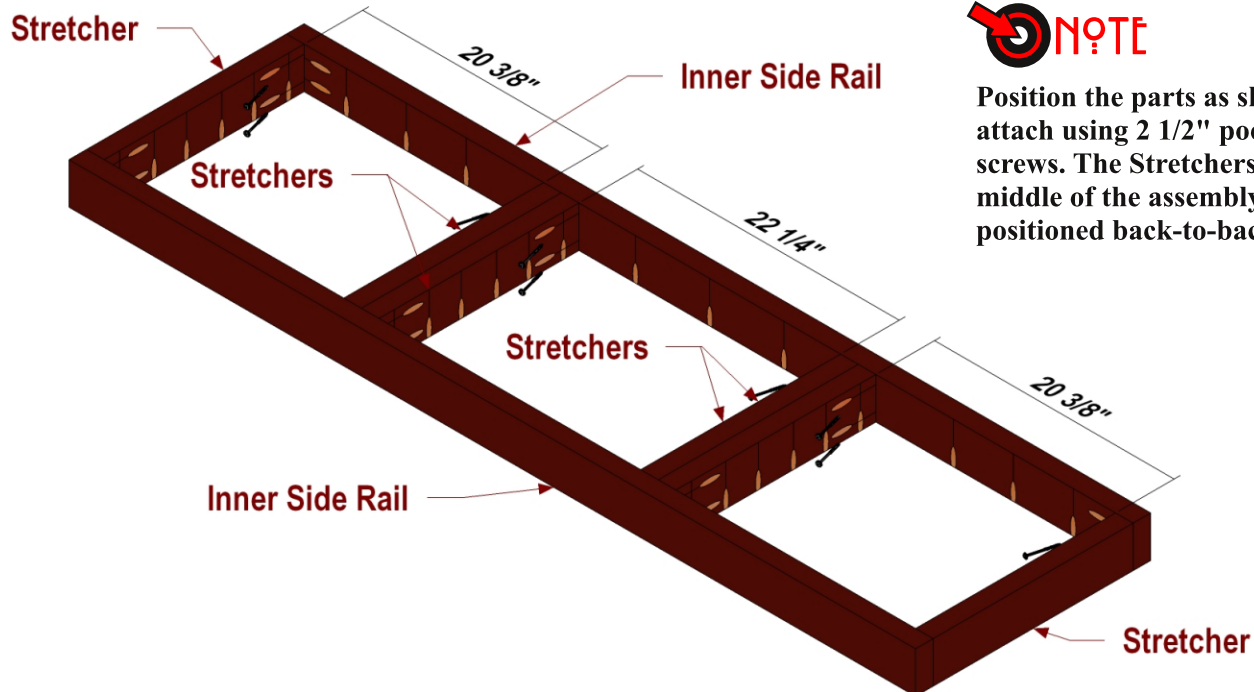


Use the layouts for creating the Stretchers and Inner Side Rails. Set your Kreg Jig and drill bit for 1 1/2" stock for the pocket holes.

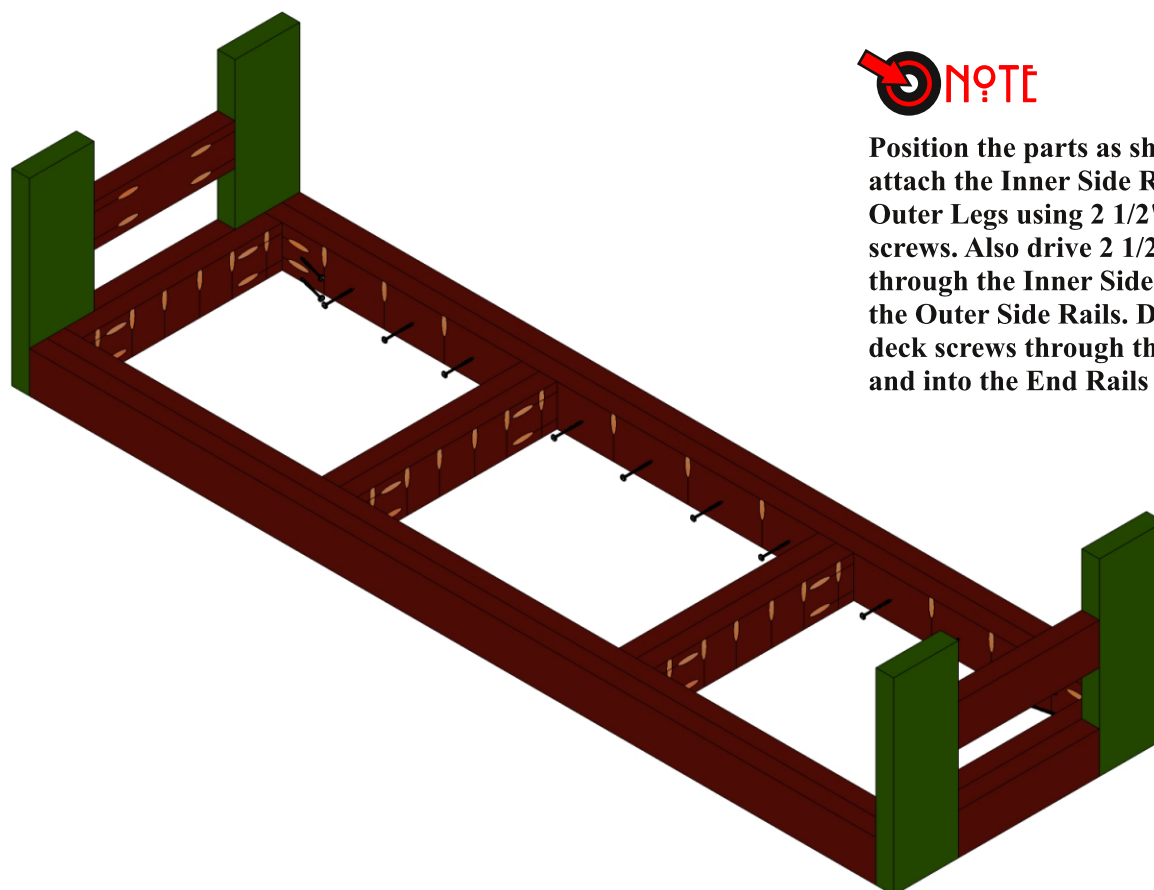
Inner Side Rail



WEEKEND RETREAT BENCH

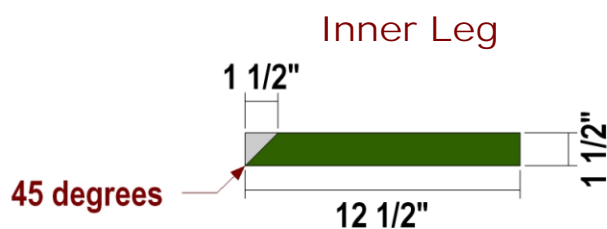


NOTE
Position the parts as shown, and attach using 2 1/2" pocket hole screws. The Stretchers in the middle of the assembly should be positioned back-to-back.



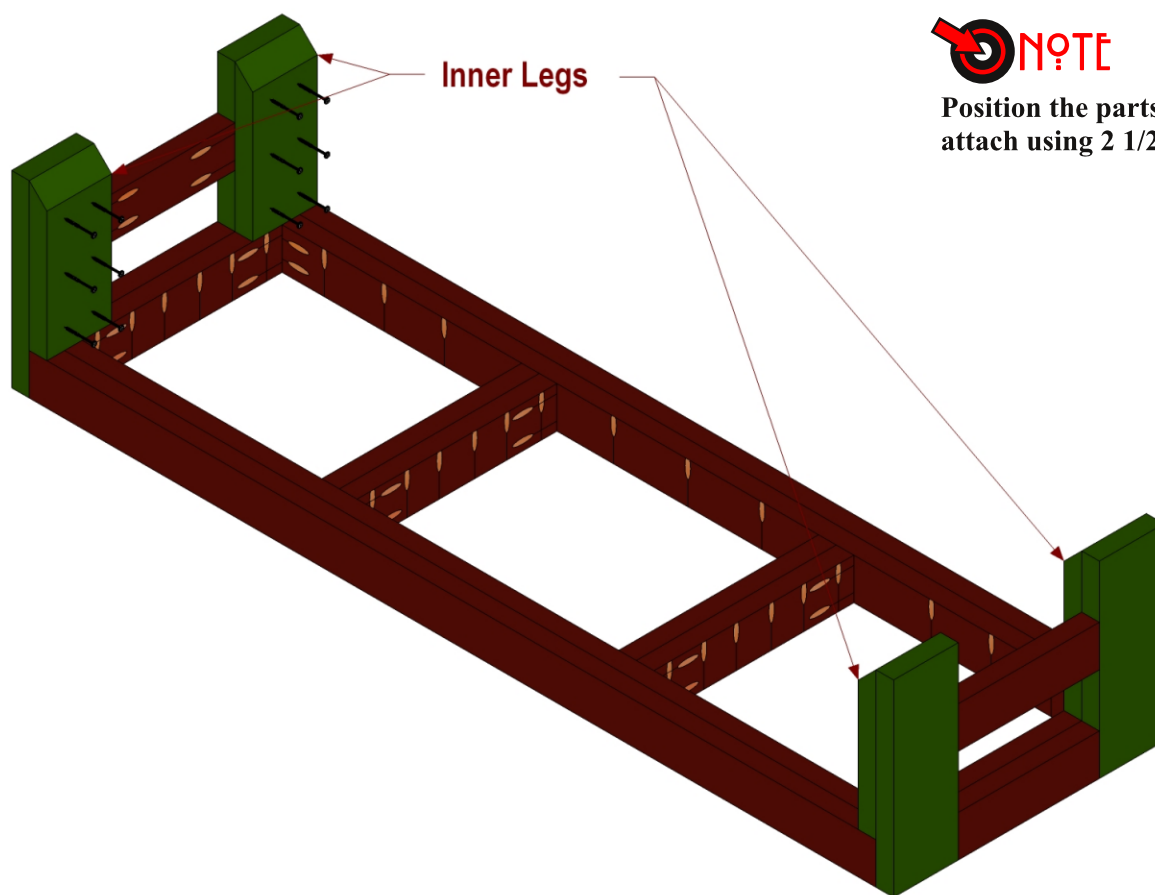
NOTE
Position the parts as shown, and attach the Inner Side Rails to the Outer Legs using 2 1/2" pocket hole screws. Also drive 2 1/2" deck screws through the Inner Side Rails and into the Outer Side Rails. Driving 2 1/2" deck screws through the Stretchers and into the End Rails is optional.

LAYOUT



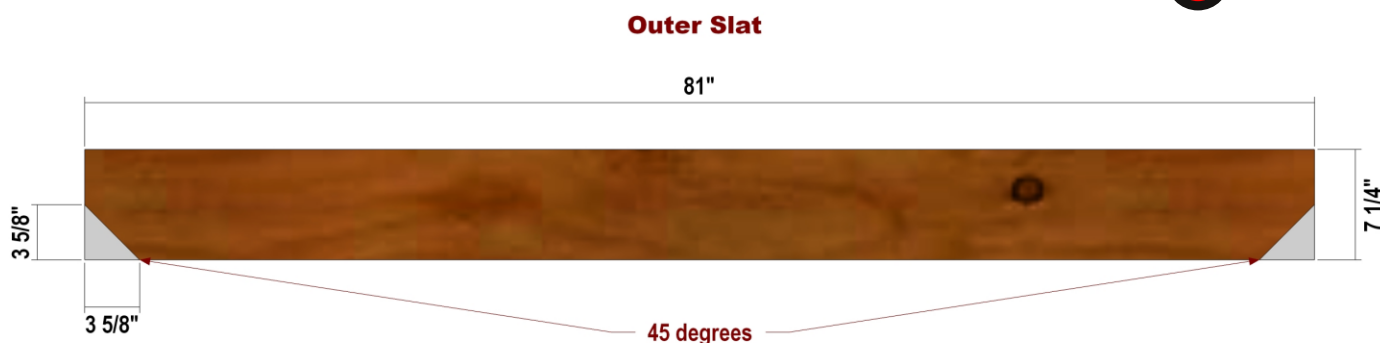
NOTE

Use the layout for creating the Inner Legs. Use a miter saw to cut the bevels on the end. You can skip cutting the bevel if you find it too challenging.



NOTE

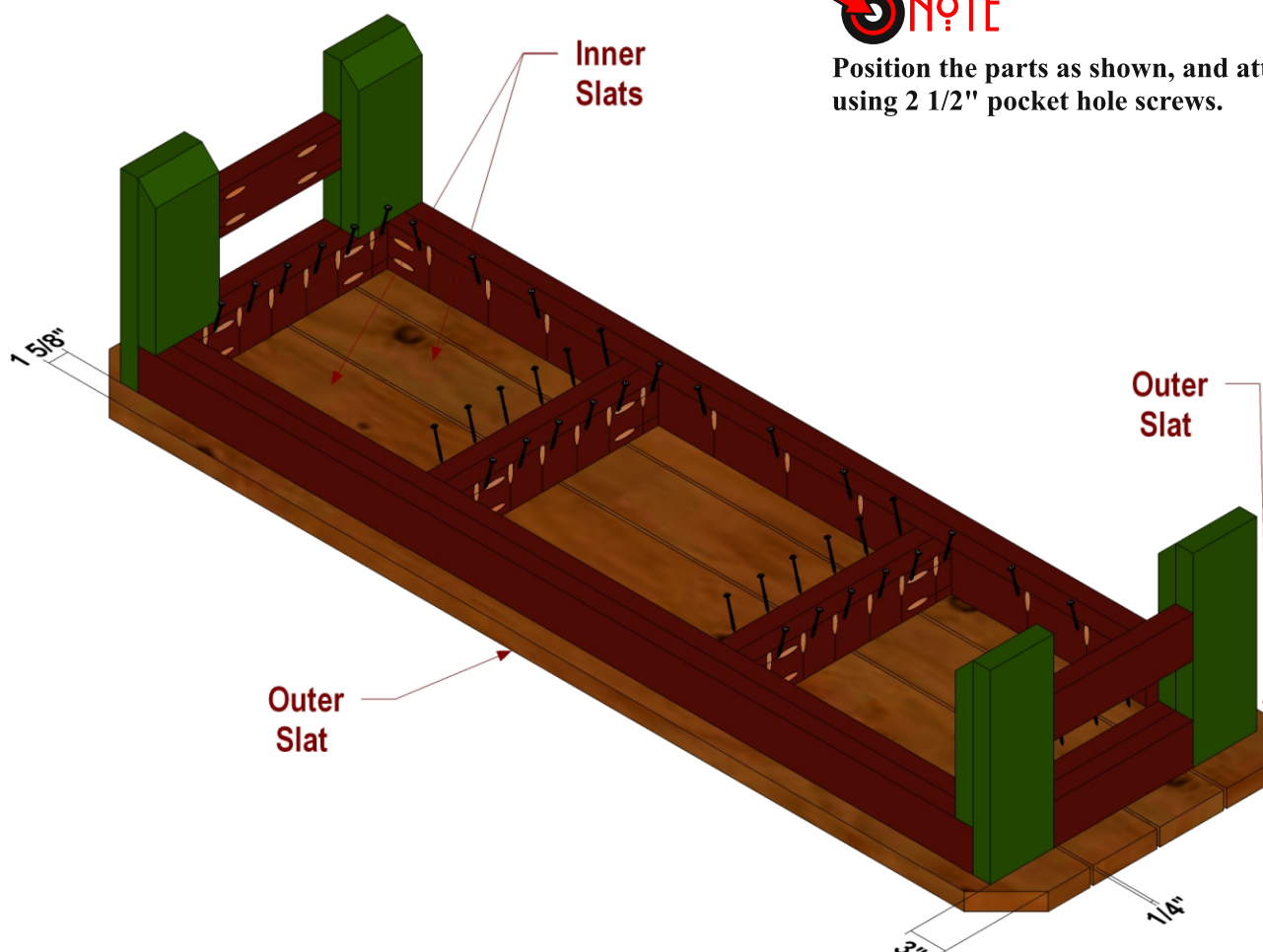
Position the parts as shown, and attach using 2 1/2" deck screws.



Use the layout for creating the Outer Slats.



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





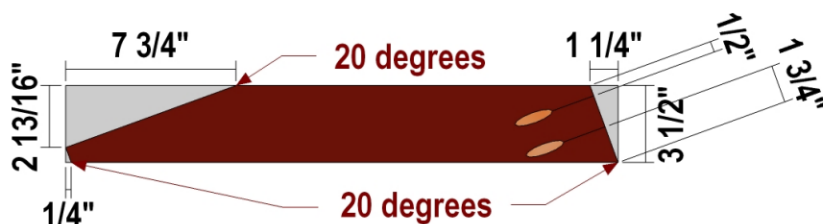
NOTE

The Brackets can be optional if you are not comfortable with cutting the 20-degree taper -- their absence will not weaken the bench structure.



LAYOUT

Bracket



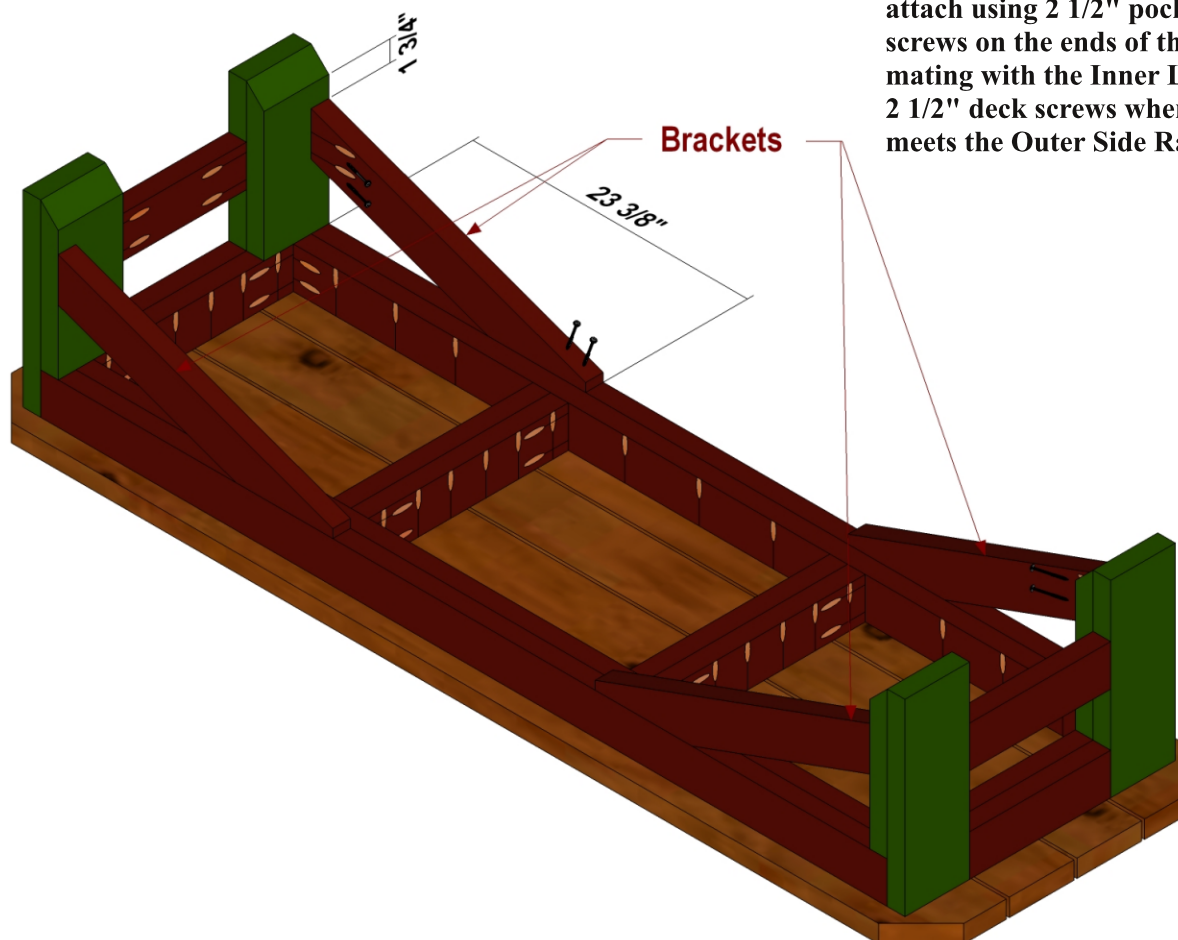
NOTE

Use the layout for creating the Brackets. Cut the 20-degree taper using a table saw or a jigsaw.



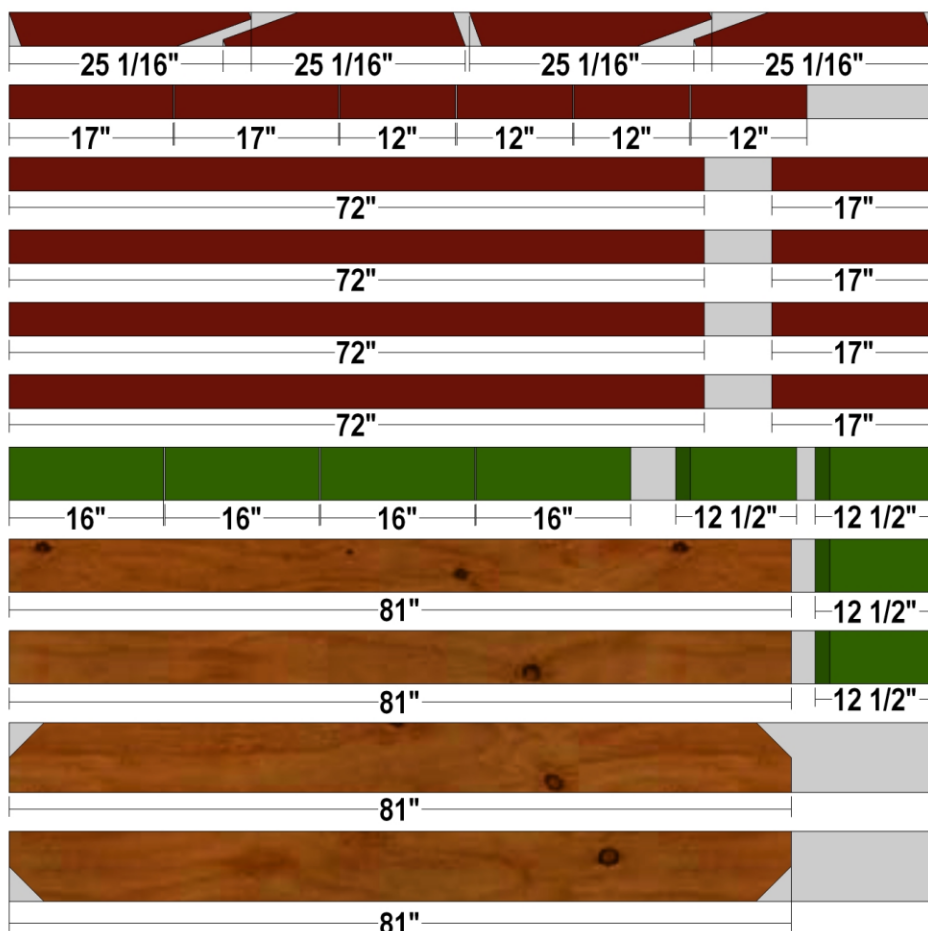
NOTE

Position the parts as shown and attach using 2 1/2" pocket hole screws on the ends of the Brackets mating with the Inner Legs, and 2 1/2" deck screws where the taper meets the Outer Side Rails.





CUTTING DIAGRAM

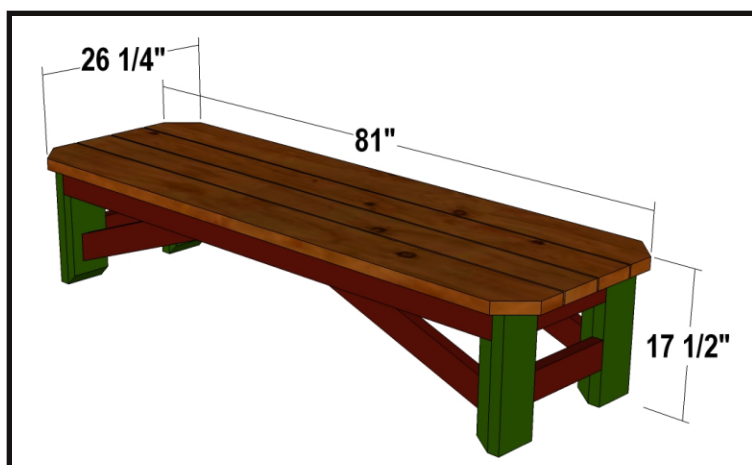


2x4x8
(6)

2x6x8
(3)

2x8x8
(2)

Estimated lumber cost:
starting at \$50 for one



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!



PARTS

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