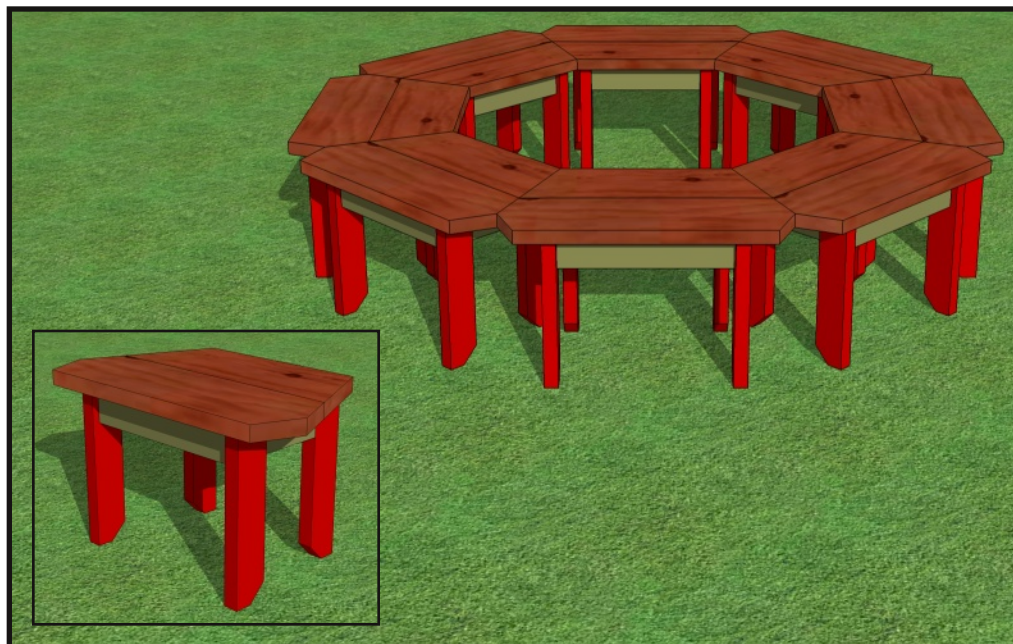


CHIEF'S SHOP PLAN OF THE WEEK



SURROUND BENCH



WHAT YOU'LL NEED



LUMBER

2 - 2x4x8

1 - 2x10x8

(availability will vary, lumber is enough to create one bench, plus a few additional parts)

HARDWARE/SUPPLIES

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

TOOLS

miter saw, jigsaw (optional)
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.



MORE PLANS

Want more Chief's Shop plans? Visit chiefs-shop.com and look through the Plans section.

Be sure to "Like" Chief's Shop on facebook by heading over to facebook.com/ChiefsShop.



PARTS



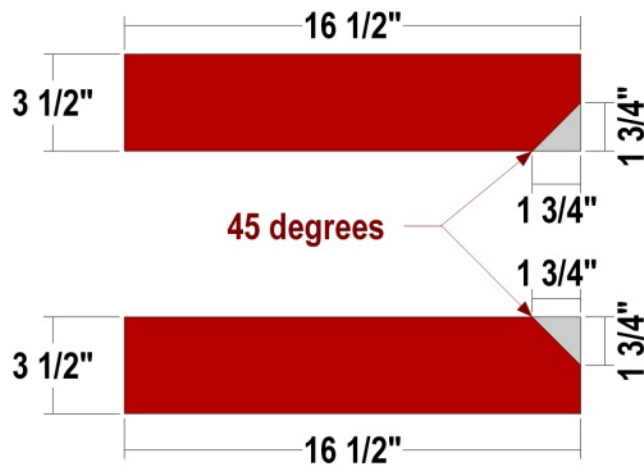
legs (4) - 1 1/2 x 3 1/2 x 16 1/2
end rails (2) - 1 1/2 x 3 1/2 x 9 3/4
front rail (1) - 1 1/2 x 3 1/2 x 18
back rail (1) - 1 1/2 x 3 1/2 x 15
long slat (1) - 1 1/2 x 9 1/4 x 30 3/16
short slat (1) - 1 1/2 x 9 1/4 x 26 5/16

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

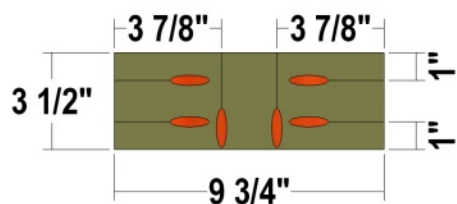
Check out Chief's Shop Videos on YouTube. ([click here](#))

Legs



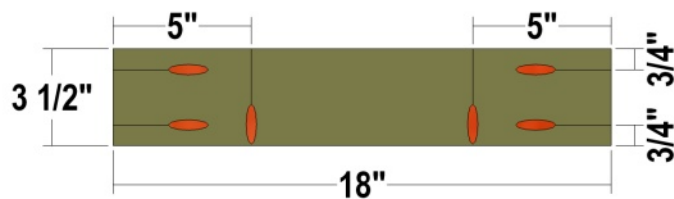
Use the layout for creating the Legs.
The angle on the end cuts is 45 degrees.

End Rail

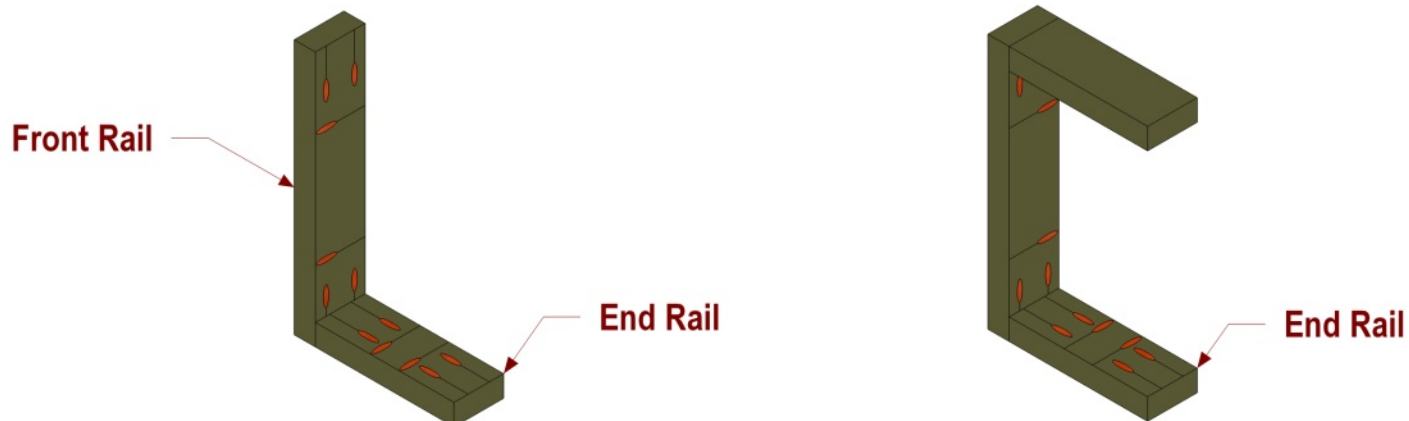


Use the layout for creating the End Rails and Front Rail. **Set your Kreg Jig and drill bit for 1 1/2" stock for the pocket holes.**

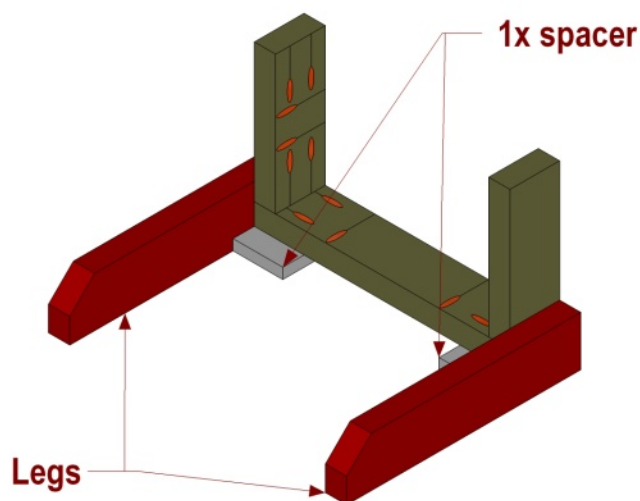
Front Rail



FRONT PORCH COFFEE TABLE



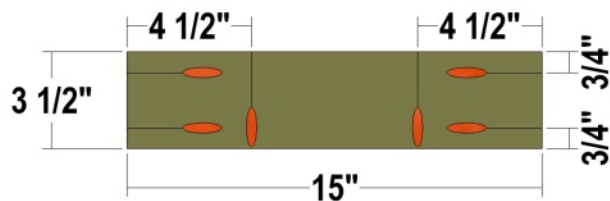
Apply glue to the ends of the End Rails, position as shown, and attach to the Front Rail using 2 1/2" pocket hole screws.



Apply glue to the ends of the Front Rail, position as shown using scrap 1x as spacers, and attach using 2 1/2" pocket hole screws.

Back Rail

LAYOUT

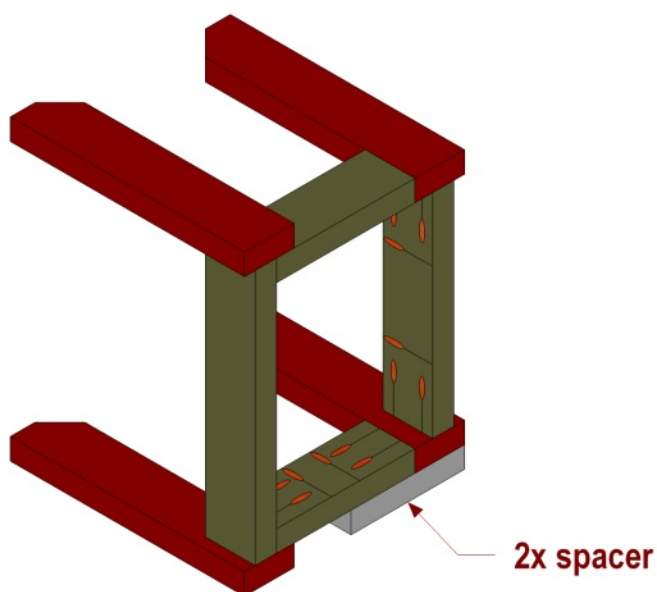
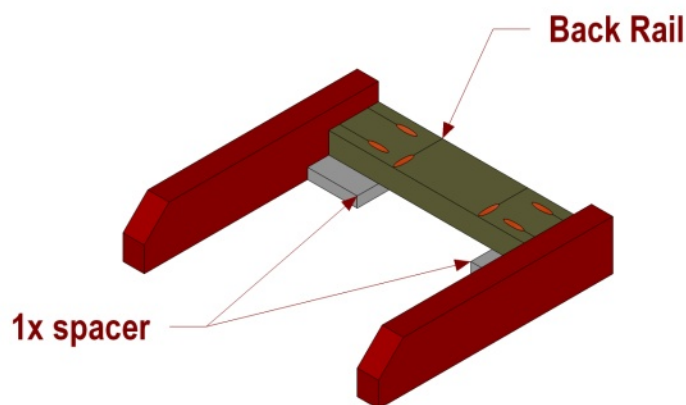


NOTE

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

NOTE

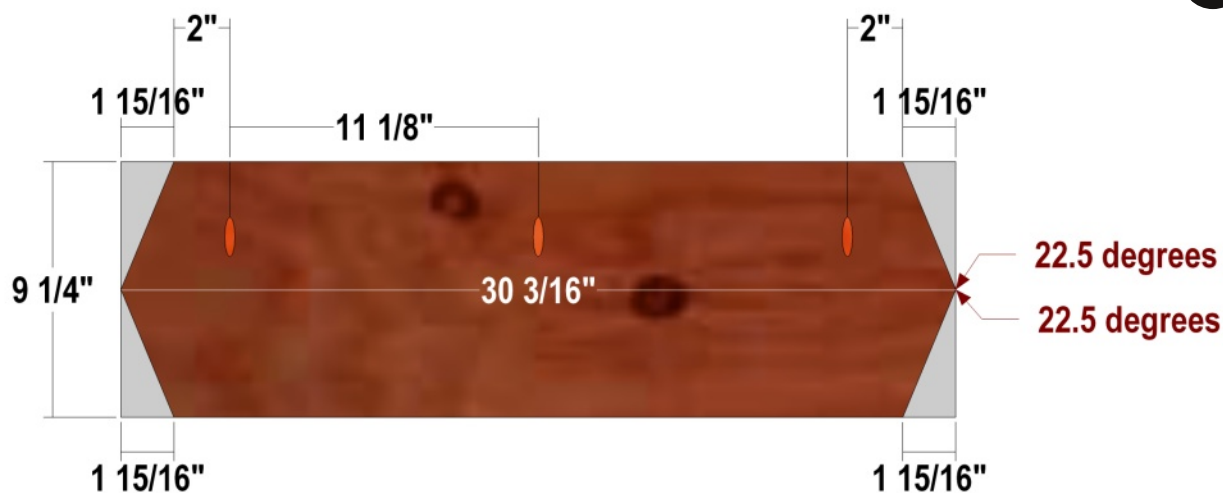
Apply glue to the ends of the Back Rail, position as shown using scrap 1x as spacers, and attach using 2 1/2" pocket hole screws.



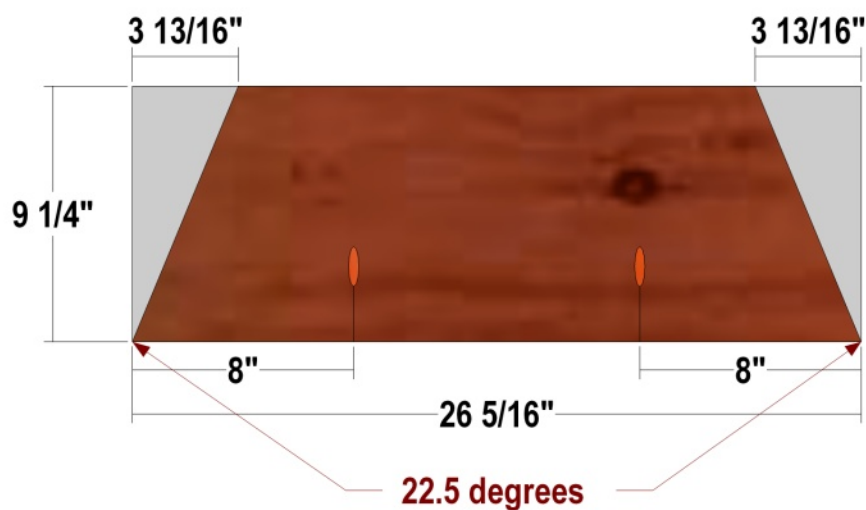
NOTE

Apply glue to the ends of the End Rails, position as shown using scrap 2x as a spacer, and attach using 2 1/2" pocket hole screws. You may need to use a right angle attachment for your drill when driving the screws.

Long Slat



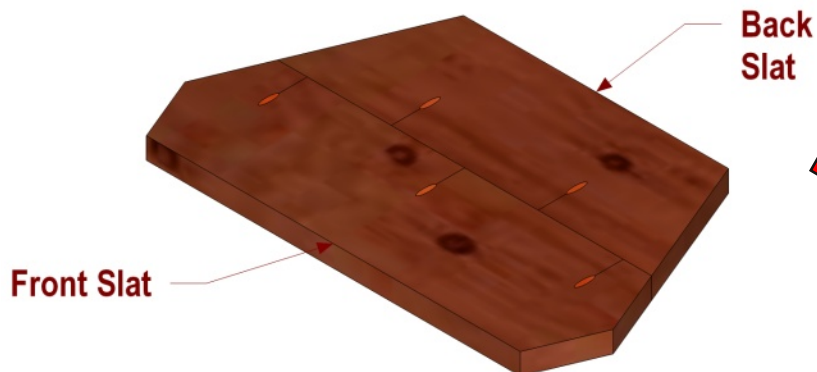
Short Slat



Use the layout for creating the Long Slats and Short Slats. **Set your Kreg Jig and drill bit for 1 1/2" stock for the pocket holes.**

Note: If you are comfortable with your skill level, you can put the two sections of 2x10 together and cut the angles on both parts at the same time.

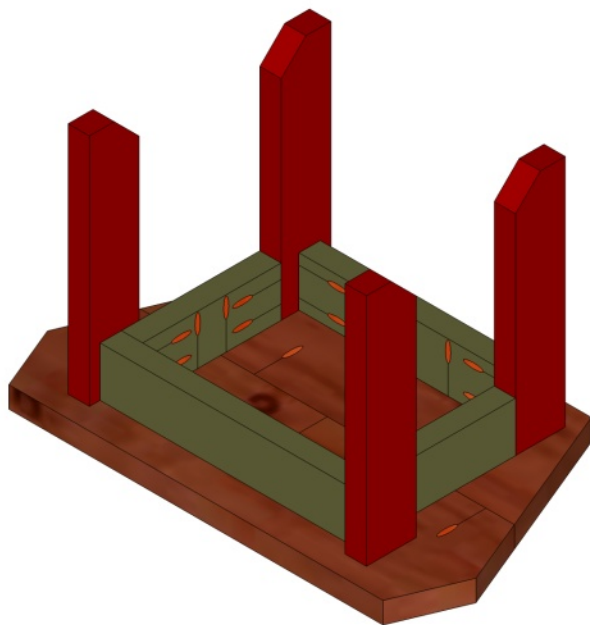
FRONT PORCH COFFEE TABLE



NOTE

Apply glue to the joining edges of the Back Slat and Front Slat, position as shown, and attach using 2 1/2" pocket hole screws.

NOTE



Apply glue to the top edges of the End Rails, Front Rail, and Back Rail, as well as the top ends of the Legs, position the assembly on the Slats as shown at left, and attach using 2 1/2" pocket hole screws.

FRONT PORCH COFFEE TABLE

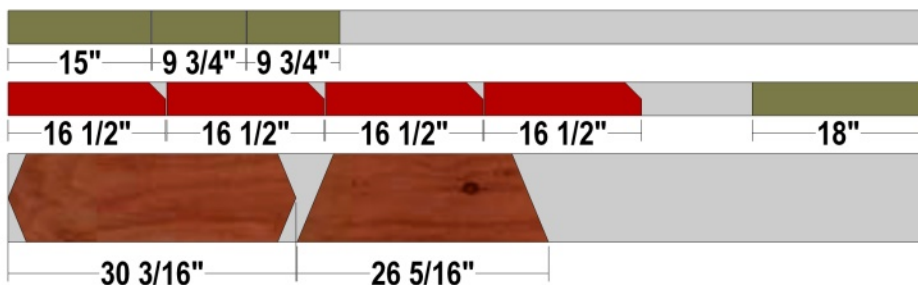


You can position eight benches together to create a complete circle. They can be positioned as shown above or as shown below.



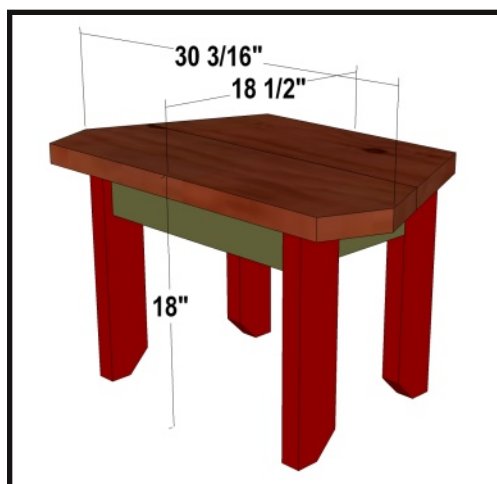


CUTTING DIAGRAM (for one)



2x4x8
(2)

2x10x8



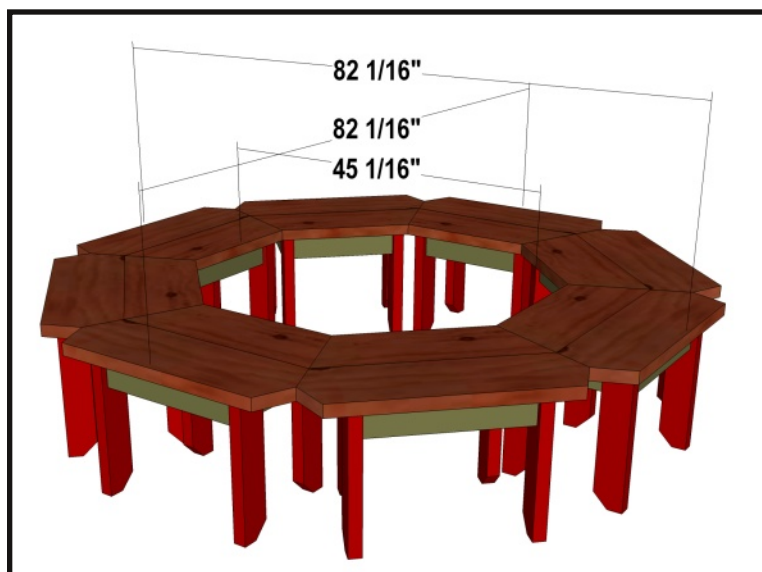
As you build more benches, you will find you will not need all the above lumber to create one bench. For example, on the above diagram, you can get one more Short Slat from the 2x10, and several more of the other parts from the 2x4s. It takes eight benches to create a complete circle.

Estimated lumber cost:
starting at \$15 for one

PARTS

legs (4) - 1 1/2 x 3 1/2 x 16 1/2
end rails (2) - 1 1/2 x 3 1/2 x 9 3/4
front rail (1) - 1 1/2 x 3 1/2 x 18
back rail (1) - 1 1/2 x 3 1/2 x 15
long slat (1) - 1 1/2 x 9 1/4 x 30 3/16
short slat (1) - 1 1/2 x 9 1/4 x 26 5/16

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!