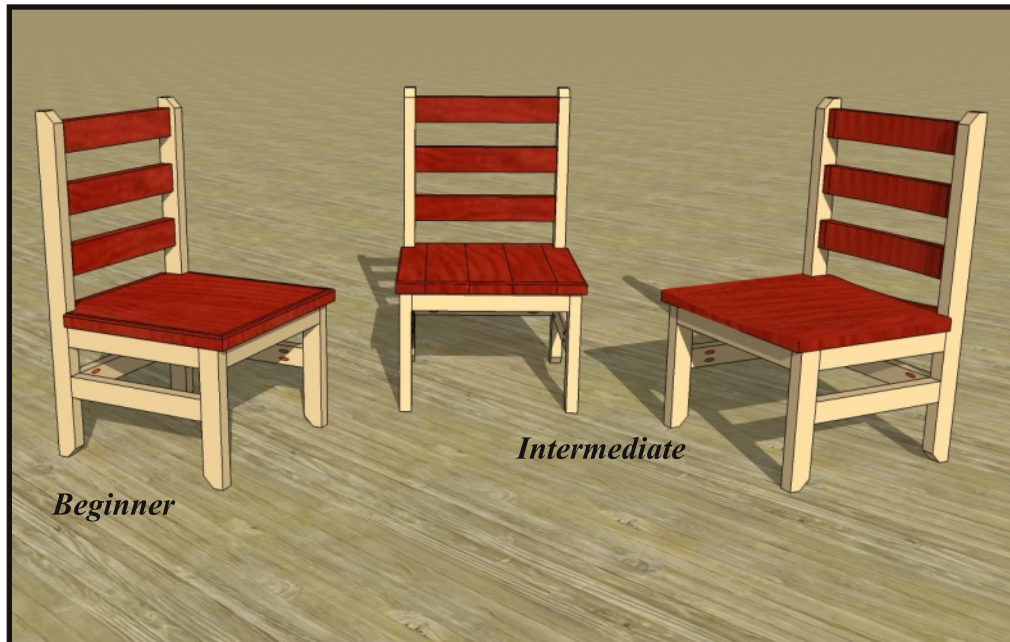


CHIEF'S SHOP PLAN OF THE WEEK



SIMPLE WOODWORKING: FARMHOUSE DINING CHAIR



WHAT YOU'LL NEED



LUMBER

Beginner

- 1 - 1 x 2 x 4
- 1 - 1 x 2 x 8
- 3 - 2 x 3 x 8
- 1 - 2 x 4 x 8
- 1 - 3/4 x 2 x 4
- sheet of plywood
(availability will vary)

Intermediate

- 6 - 1 x 3 x 8
- 2 - 1 x 4 x 8
- 4 - 1 x 6 x 8

(availability will vary)

or

equivalent 8/4 lumber
planed to 1 1/2"

HARDWARE/SUPPLIES

- 1 1/2" pocket hole screws
- 1 1/2" brads
- 2 1/2" pocket hole screws
- pocket hole plugs
- wood glue
- paint/stain

TOOLS

- table saw or circular saw
with Kreg Rip Cut
- miter saw
- band saw
- jigsaw
- router with roundover bit
- sander/belt sander
- nailer or hammer
- 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.



MORE PLANS

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VIDEO

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PARTS

- Back Legs (2) - 1 1/2 x 2 1/2 x 40
 - Front Legs (2) - 1 1/2 x 2 1/2 x 16
 - Top End Rails (2) - 1 1/2 x 2 1/2 x 18
 - Bottom End Rails (2) - 1 1/2 x 2 1/2 x 18
 - Back Rails (3) - 1 1/2 x 3 1/2 x 20
 - Top Side Rails (2) - 1 1/2 x 2 1/2 x 20
 - Bottom Side Rail (1) - 1 1/2 x 2 1/2 x 20
- Beginner*
- Seat (2) - 3/4 x 22 1/2 x 23
 - Short Nosing (2) - 3/4 x 1 1/2 x 24*
 - Long Nosing (2) - 3/4 x 1 1/2 x 24 1/2*
- Intermediate*
- Seat Slats (5) - 1 1/2 x 5 1/2 x 26
- *measured long point to long point

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.

A FEW NOTES ABOUT THIS PLAN

This plan offers three versions - a Beginner version and two Intermediate versions.

The Beginner version uses dimensional lumber found at most home improvement centers. I purposely chose to do that because I feel that it will create a better pricepoint for those just starting out in woodworking. However, this lumber can be full of defects, so I advise those trying this version to carefully select the lumber and pick out the best pieces you can.

The two Intermediate versions offer a flat seat and back rail option or a curved seat and back rail option. The other difference is that I'm recommending two 1x boards be laminated together to create 2x boards, or 8/4 stock be purchased at a hardwood lumber outlet and be planed to 1 1/2 inches thick. If you are of the skill level to be planing lumber, it's highly doubtful you'll need much more than the overall dimensions of this plan in order to create it. Take that as a compliment!

If you are lucky enough to have access to 2x lumber ready to go, then you're a step ahead.

Now for the plan pages.

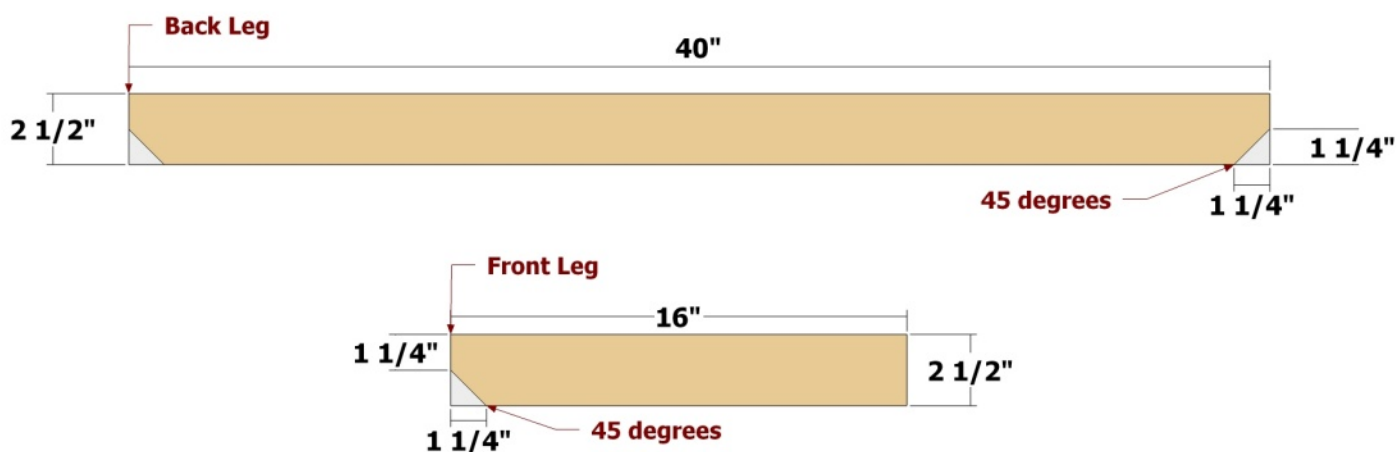
The Beginner version covers pages 1 - 10 and page 17.
The Intermediate versions cover pages 1 - 7 and 11 - 16.

As always, if you have any questions feel free to e-mail me at chief@chiefs-shop.com.

Make Some Sawdust!

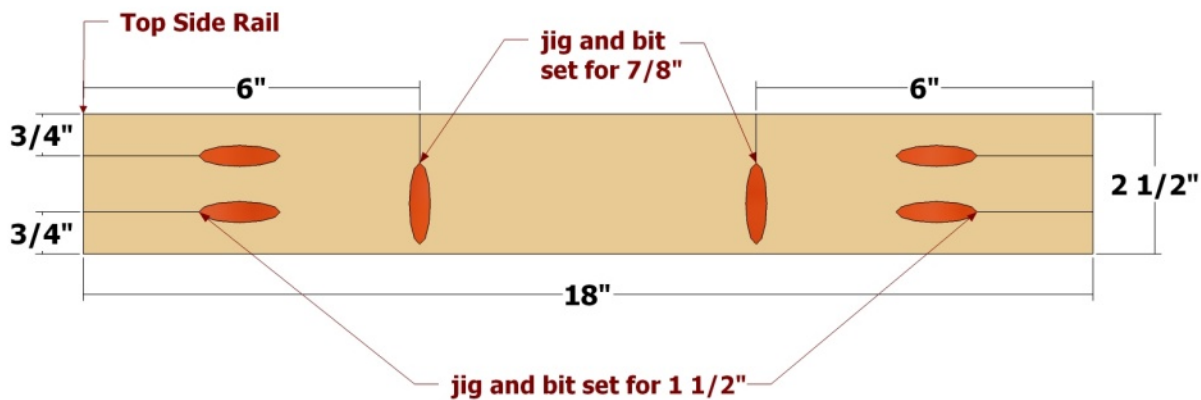
Chief

LAYOUT

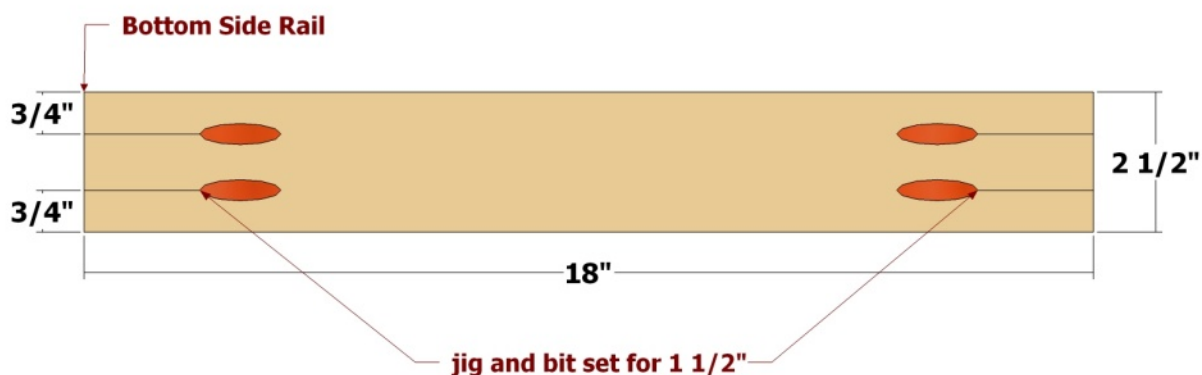


NOTE Use the layout as a guide for measuring, marking, and cutting in the **Back Legs** and **Front Legs**.

LAYOUT

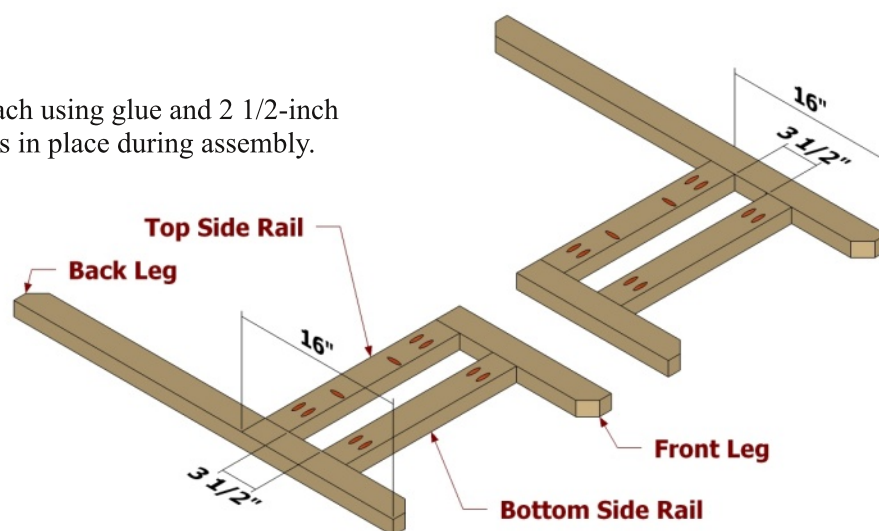


NOTE Use the layout as a guide for measuring, marking, cutting, and drilling pocket holes in the **Top Side Rails** and **Bottom Side Rails**.
Be sure to follow the guidelines as indicated for drilling the pocket holes.

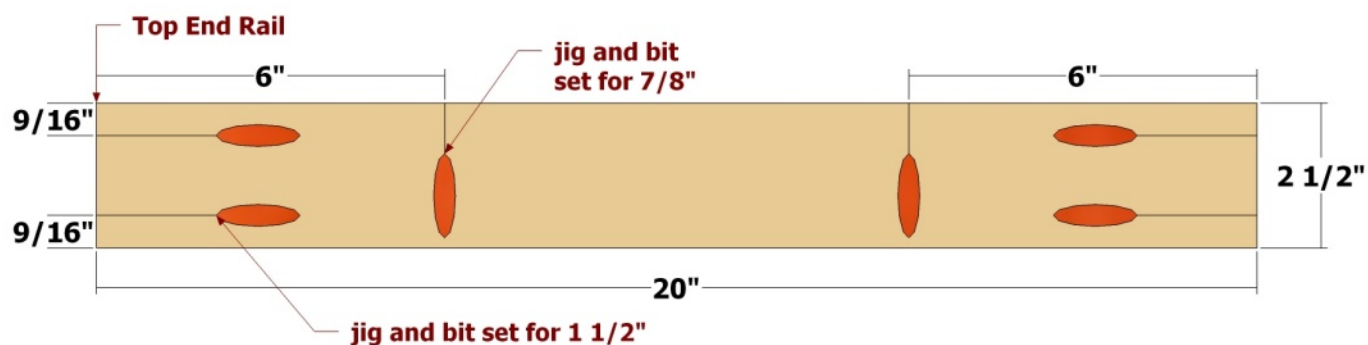


NOTE

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



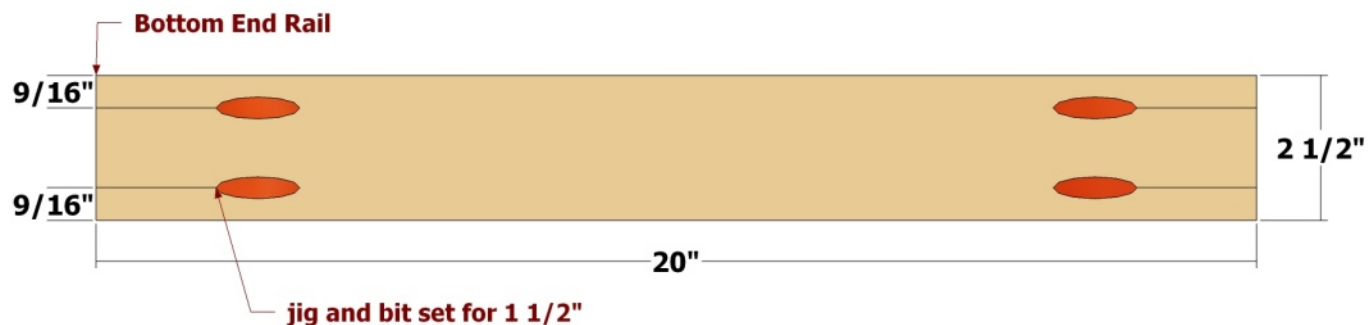
LAYOUT

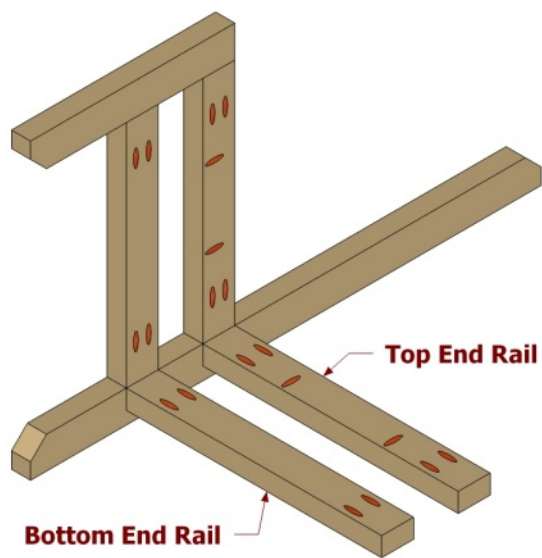


NOTE

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

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

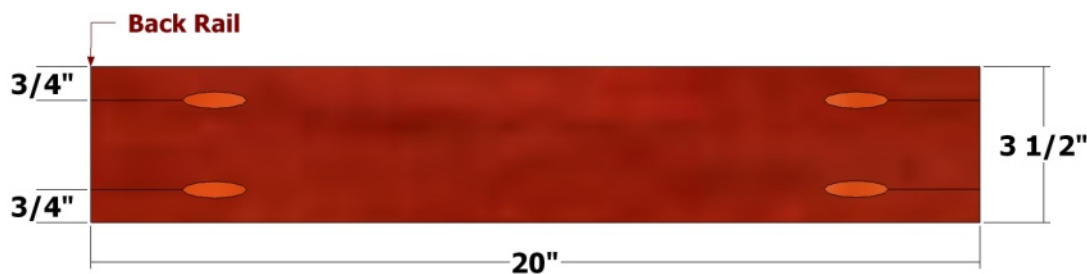




NOTE

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

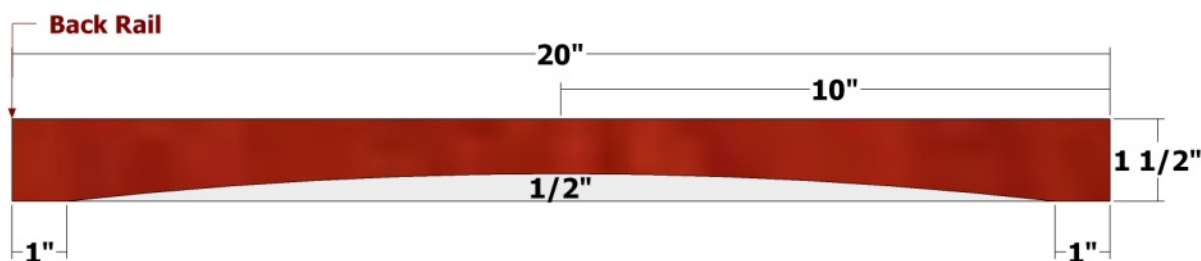
LAYOUT



NOTE

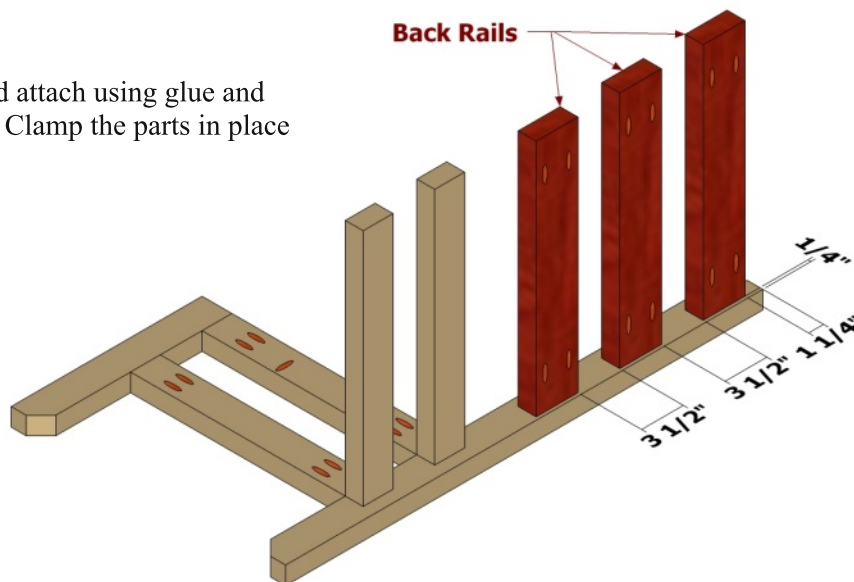
Use the layout as a guide for measuring, marking, cutting, and drilling pocket holes in the **Back Rails**. Be sure set your jig and bit for 1 1/2-inch stock.

The layout below is for the curved version of the Intermediate chair. Cut this curve on the face without the pocket holes using a band saw. If you prefer, simply use a belt sander to create the curve.

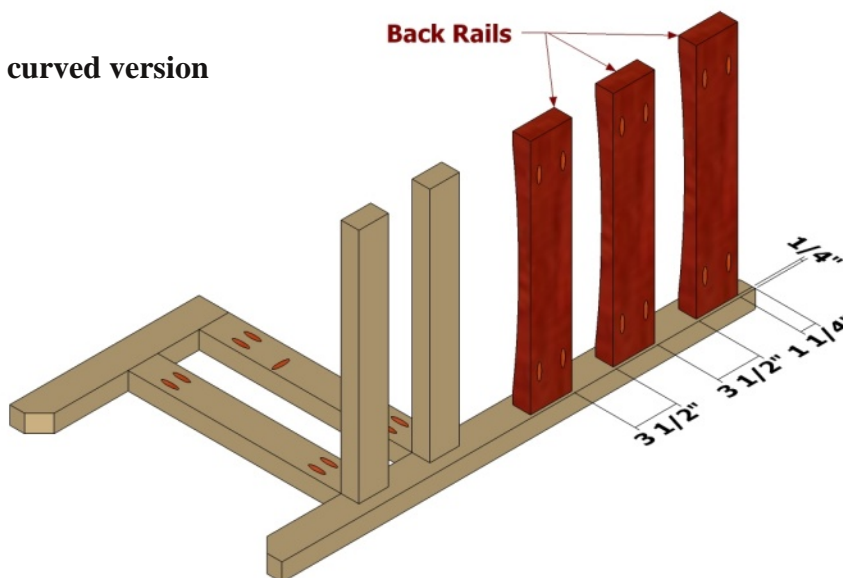


NOTE

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

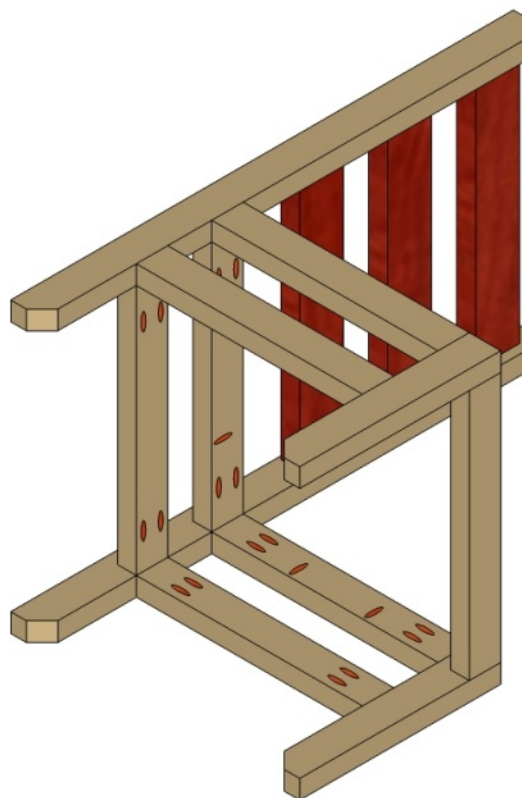


Intermediate curved version

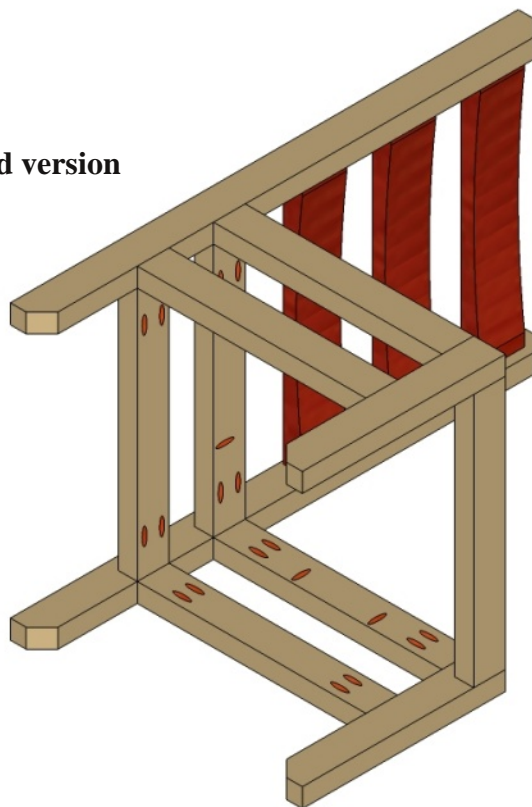


 NOTE

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

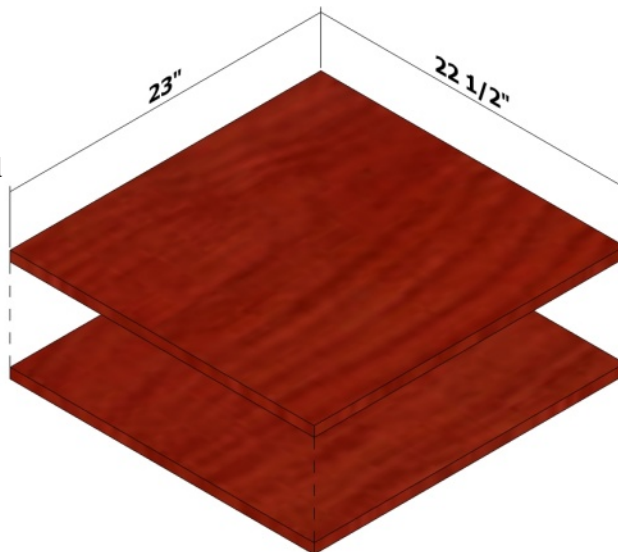


Intermediate curved version



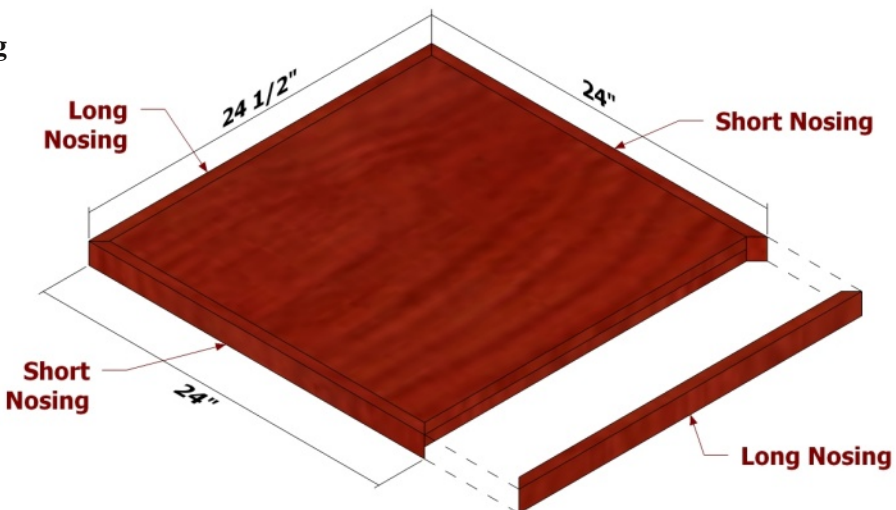
NOTE

Cut the Beginner **Seat** parts the size on the *Parts List*, apply glue to one face of each, align the edges flush, and clamp in place. Allow the glue to cure.

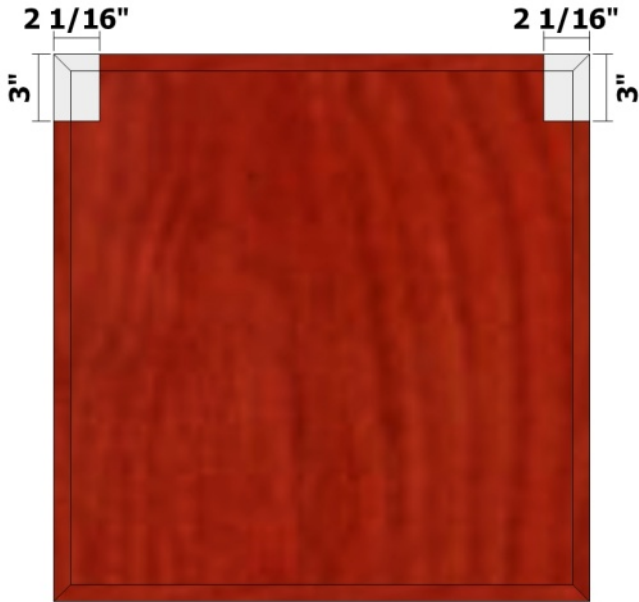


NOTE

Attach the **Short Nosing** and **Long Nosing** as shown using glue and 1 1/2-inch brads. Refer to the layout on the next page to monitor your placement of the brads.



 LAYOUT

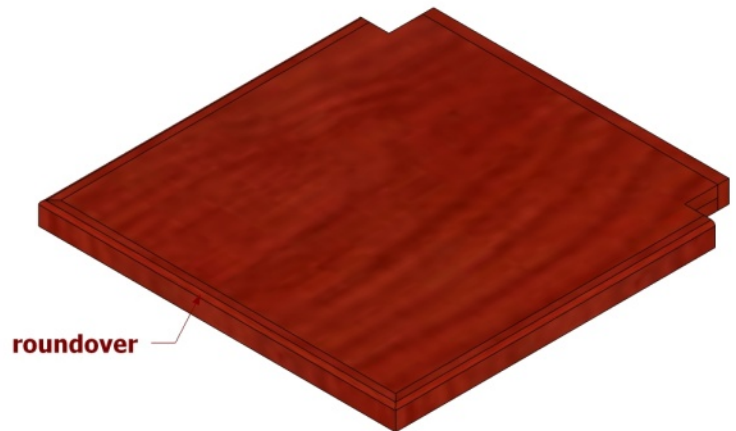


 NOTE

Use a jigsaw to cut the notches as shown.

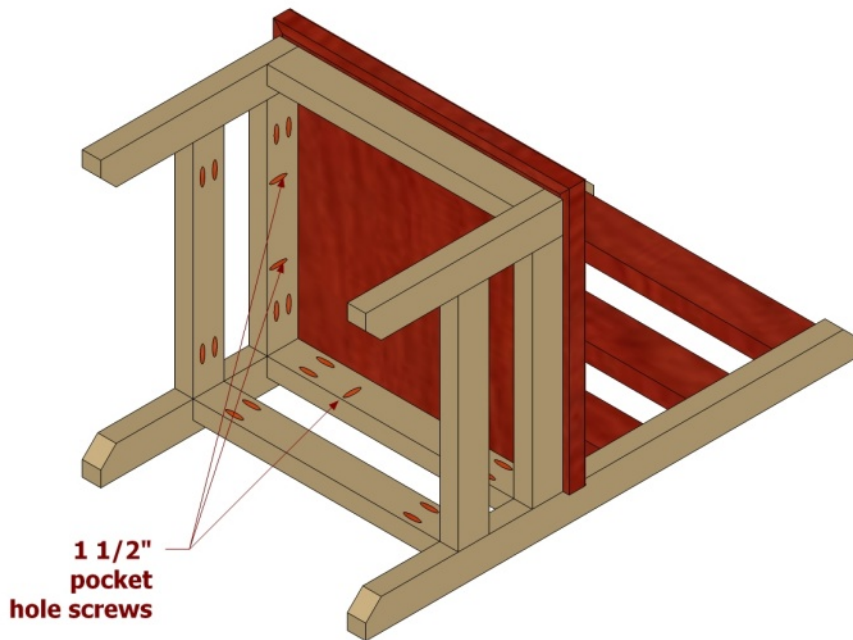
 NOTE

Use a router fitted with a roundover bit to cut a roundover on the sides and front of the assembly. If you prefer, you can use a sander to sand a roundover profile.



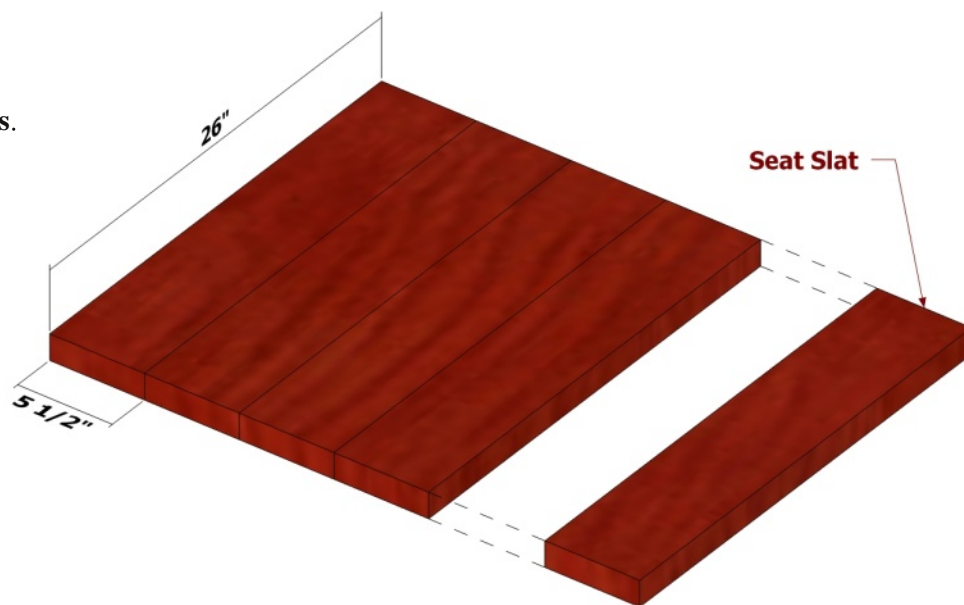
 **NOTE**

Position the **Seat Assembly** with the 2 1/16-inch side of the notch flush against the **Back Leg** and attach using glue and 1 1/2-inch pocket hole screws.



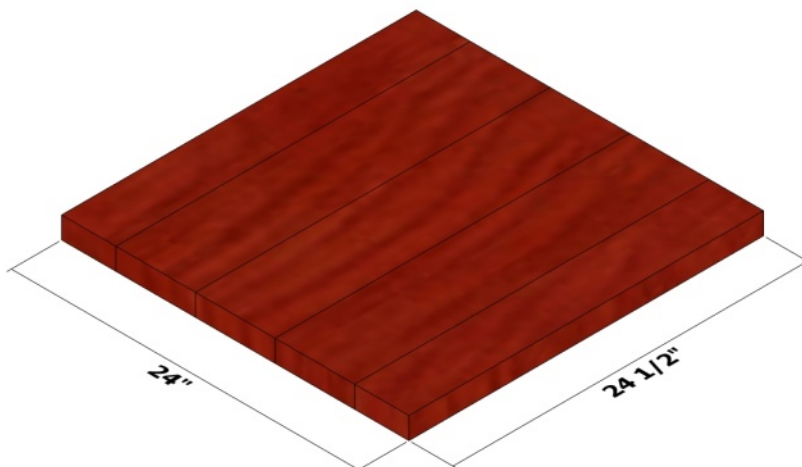
 NOTE

Create a glue-up of five Seat Slats.

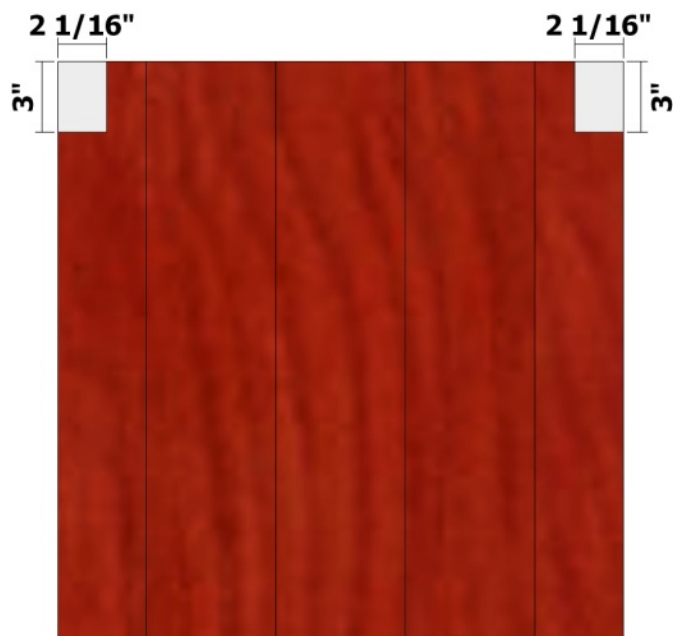


 NOTE

Cut the glue-up to 24 inches wide and
24 1/2 inches deep as shown.



LAYOUT



NOTE

Use a jigsaw to cut the notches as shown.

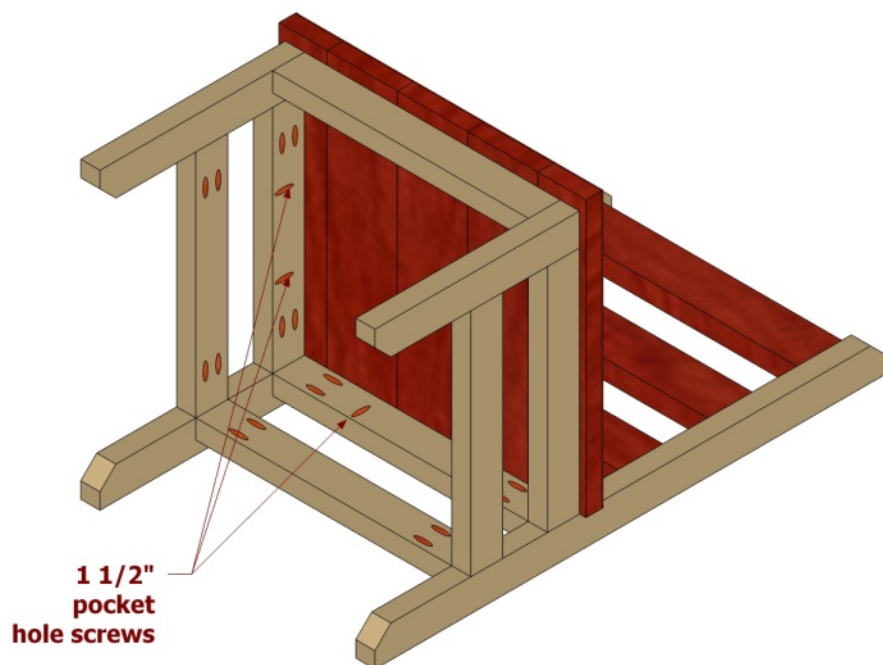
NOTE

Use a router fitted with a roundover bit to cut a roundover on the sides and front of the assembly. If you prefer, you can use a sander to sand a roundover profile.



 **NOTE**

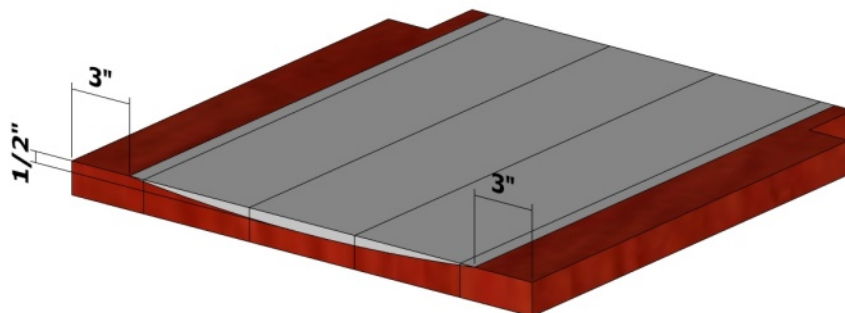
Position the **Seat Assembly** with the 2 1/16-inch side of the notch flush against the **Back Leg** and attach using glue and 1 1/2-inch pocket hole screws.



 NOTE

Use either a router (making gradually deeper passes with a straight edge bit), or a belt sander to create a curved profile in the **Seat Assembly**. The layout at right is just a suggestion. If you've made curved seats before, please use your preferred method and/or profile.

 LAYOUT



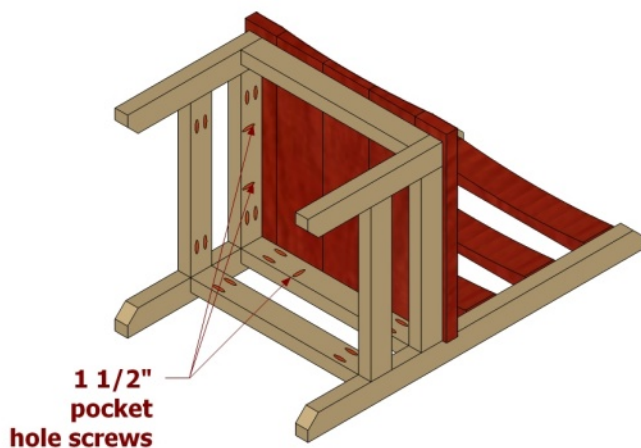
 NOTE

Use a router fitted with a roundover bit to cut a roundover on the sides and front of the assembly. If you prefer, you can use a sander to sand a roundover profile.



 **NOTE**

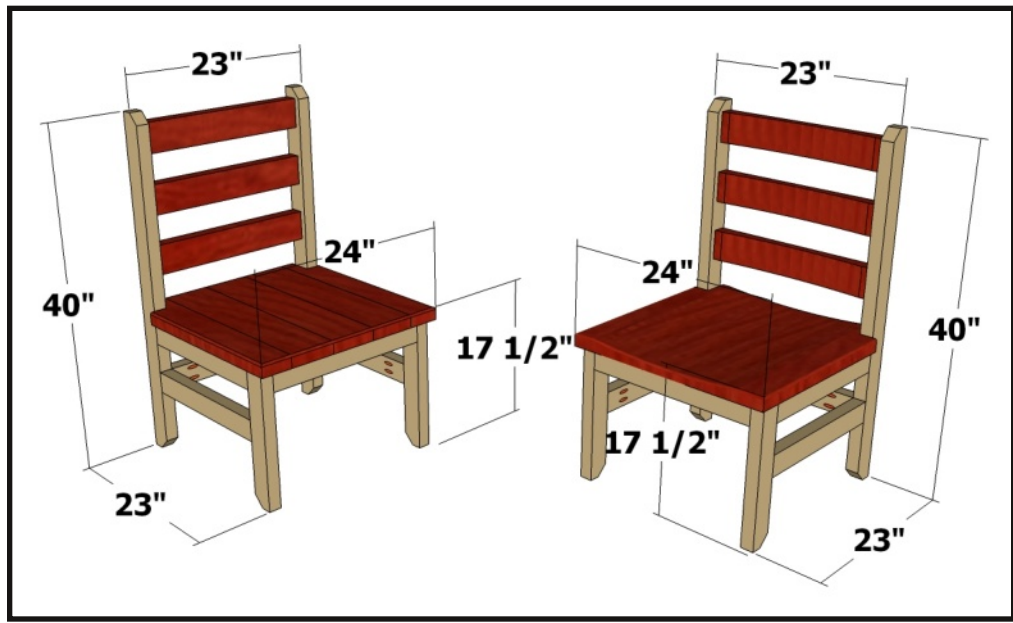
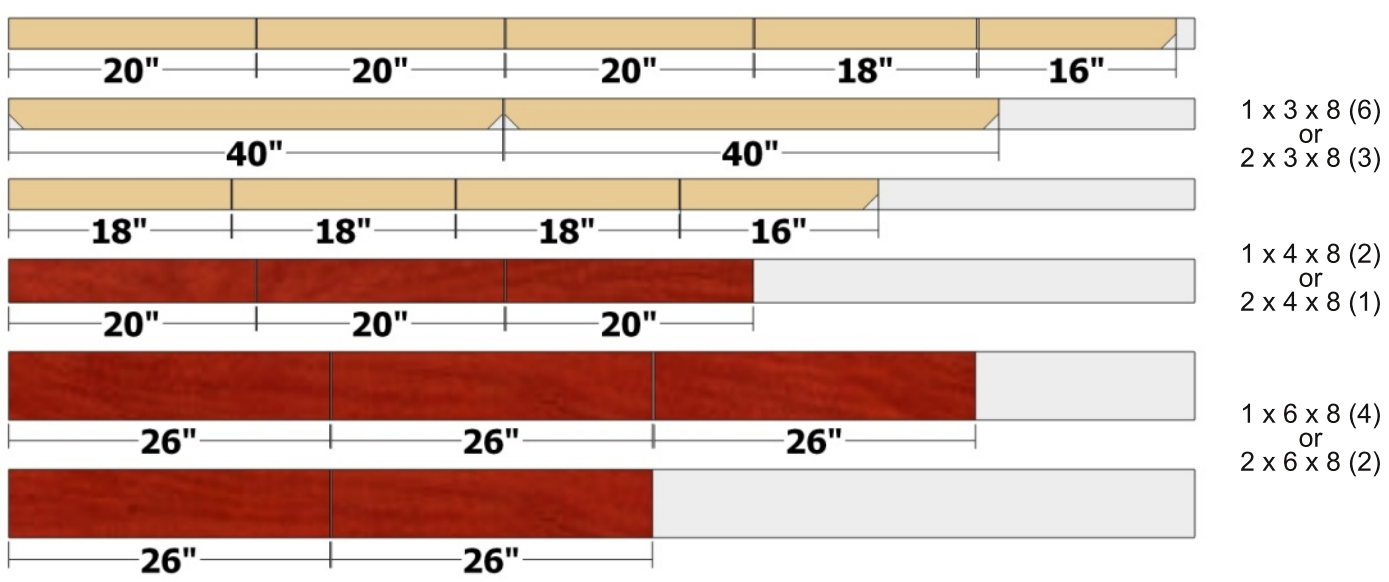
Position the **Seat Assembly** with the 2 1/16-inch side of the notch flush against the **Back Leg** and attach using glue and 1 1/2-inch pocket hole screws.



 **CUTTING DIAGRAM - INTERMEDIATE**



If using 1x stock, laminate/glue together two for each one you see below, allow to cure, then make the cuts.



🔧 PARTS 🔧

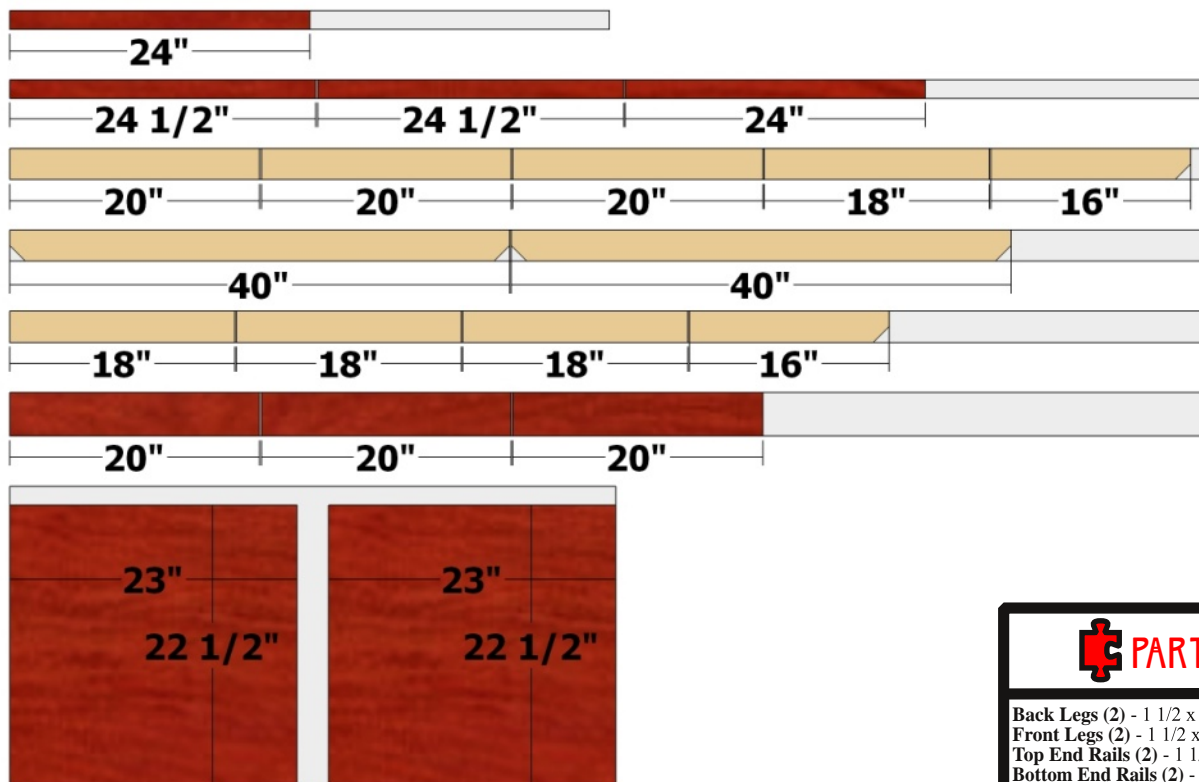
- Back Legs (2) - 1 1/2 x 2 1/2 x 40
- Front Legs (2) - 1 1/2 x 2 1/2 x 16
- Top End Rails (2) - 1 1/2 x 2 1/2 x 18
- Bottom End Rails (2) - 1 1/2 x 2 1/2 x 18
- Back Rails (3) - 1 1/2 x 3 1/2 x 20
- Top Side Rails (2) - 1 1/2 x 2 1/2 x 20
- Bottom Side Rail (1) - 1 1/2 x 2 1/2 x 20
- Seat Slats (5) - 1 1/2 x 5 1/2 x 26

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.

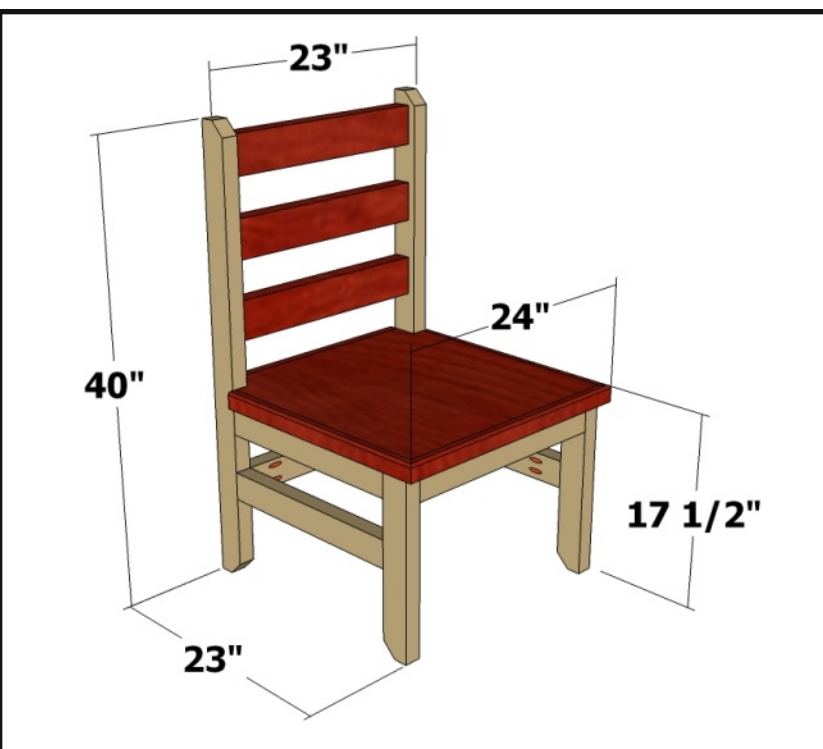
🔧 TAKE CARE!

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!

 **CUTTING DIAGRAM - BEGINNER**



1 x 6 x 2
(5)



+ PARTS **+**

- Back Legs (2) - 1 1/2 x 2 1/2 x 40
- Front Legs (2) - 1 1/2 x 2 1/2 x 16
- Top End Rails (2) - 1 1/2 x 2 1/2 x 18
- Bottom End Rails (2) - 1 1/2 x 2 1/2 x 18
- Back Rails (3) - 1 1/2 x 3 1/2 x 20
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- Bottom Side Rail (1) - 1 1/2 x 2 1/2 x 20
- Seat (2) - 3/4 x 22 1/2 x 23
- Short Nosing (2) - 3/4 x 1 1/2 x 24*
- Long Nosing (2) - 3/4 x 1 1/2 x 24 1/2*

**measured long point to long point*

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.

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