

CHIEF'S SHOP PLAN OF THE WEEK



SIMPLE WOODWORKING: FARMHOUSE DINING TABLE



WHAT YOU'LL NEED



LUMBER

4 - 1 x 4 x 8
1 - 1 x 6 x 6
4 - 2 x 4 x 8
5 - 2 x 6 x 8

(availability will vary)

HARDWARE/SUPPLIES

1 1/4" pocket hole screws
1 1/2" pocket hole screws
pocket hole plugs
wood glue
paint/stain

TOOLS

miter saw
jig saw
sander/belt sander
drill/driver
Kreg Pocket Hole Jig
clamps
square
compass/flexible metal ruler

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

Legs (4) - 1 1/2 x 3 1/2 x 28 1/2
End Rails (2) - 3/4 x 3 1/2 x 30
Side Rails (2) - 3/4 x 3 1/2 x 80
Brackets (4) - 3/4 x 5 1/2 x 15 3/16
Stiles (3) - 3/4 x 3 1/2 x 30
Narrow Slats (2) - 1 1/2 x 3 1/2 x 92
Wide Slats (5) - 1 1/2 x 5 1/2 x 92

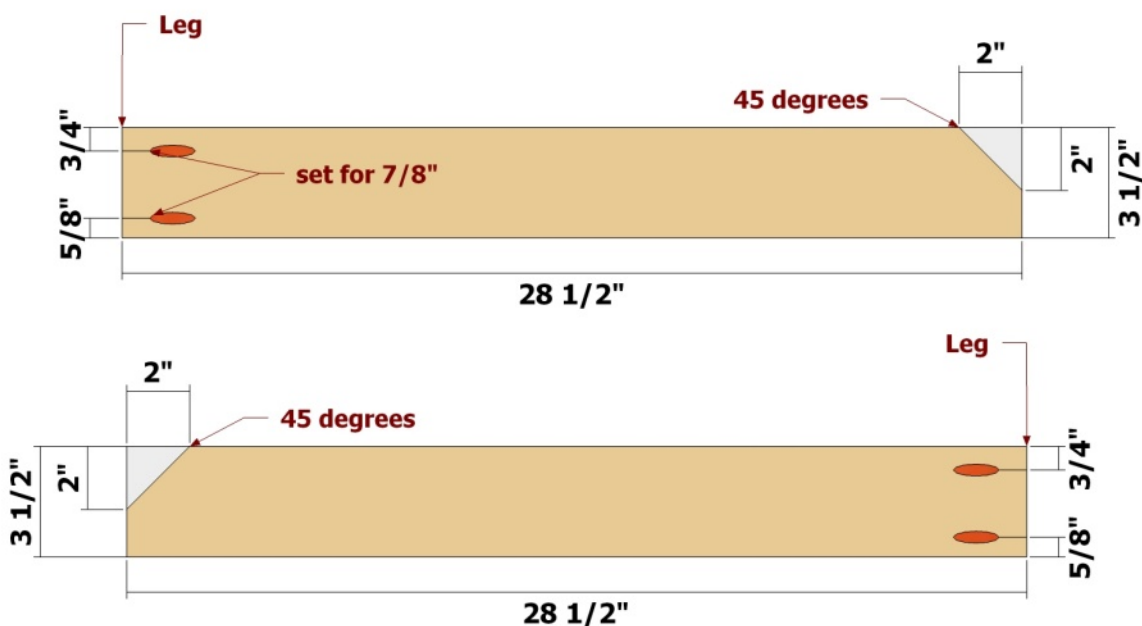
spacer (2) - 1 1/2 x 3 1/2 x 1 3/8
spacer (4) - 3/4 x 3 1/2 x 3 1/2

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](#))

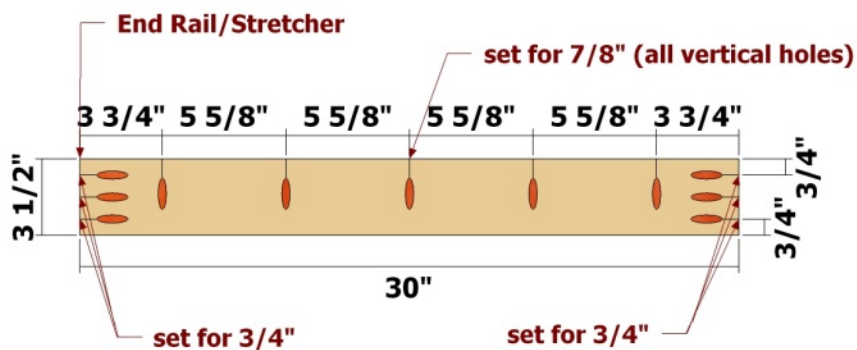
LAYOUT



NOTE

Use the layout as a guide for measuring, marking, cutting, and drilling pocket holes in the **Legs**. Make two of the **Legs** shown in the top layout, and two of the other. Make two **Front Legs**. Set your jig and drill bit for 7/8" stock. This is to allow for 1 1/2" pocket hole screws to be attached to 1 1/2" stock later. These screws will penetrate deep enough to form a strong joint.

LAYOUT



NOTE

Use the layout as a guide for measuring, marking, cutting, and drilling pocket holes in the **End Rails** and **Stretchers**. Set your jig and drill bit for 3/4" stock 7/8" stock where indicated.

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

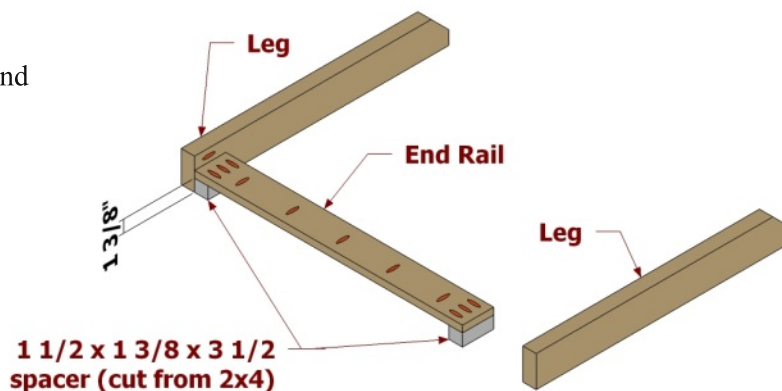


Diagram illustrating the dimensions and assembly for a side rail (labeled "Side Rail"). The total length is 96 inches. The dimensions are as follows:

- Left end: 3 1/2" (height) and 3 1/8" (width of the rail).
- Segment 1: 14" (length).
- Segment 2: 5" (length).
- Segment 3: 15 3/8" (length).
- Segment 4: 15 3/8" (length).
- Segment 5: 5" (length).
- Segment 6: 14" (length).
- Right end: 3 1/8" (width of the rail) and 3 1/2" (height).

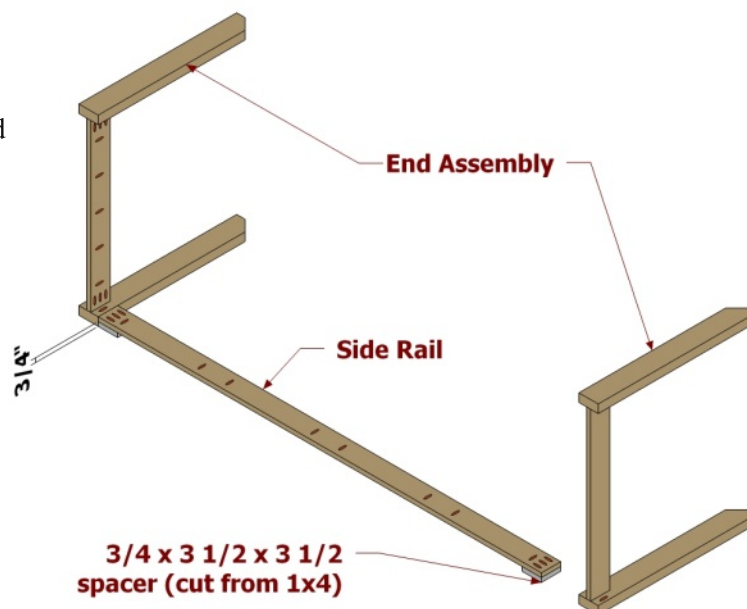
Labels and notes:

- "set for 7/8" (all vertical holes)" points to the vertical holes in the rail.
- "set for 3/4" points to the horizontal holes in the rail.
- The total length is labeled as 80" (likely a typo for 96").

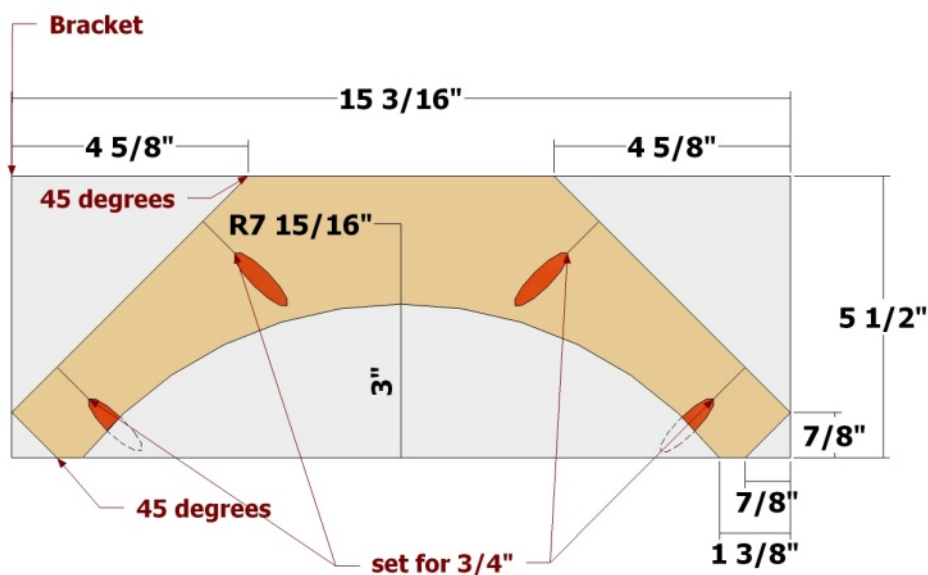
Use the layout as a guide for measuring, marking, cutting, and drilling pocket holes in the **Side Rails**. Set your jig and drill bit for 3/4" stock 7/8" stock where indicated.

NOTE

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



LAYOUT

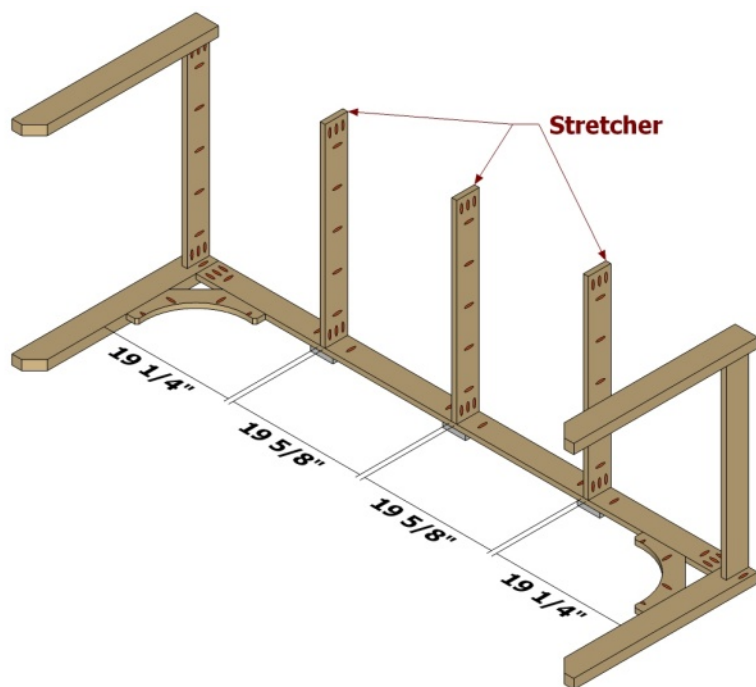
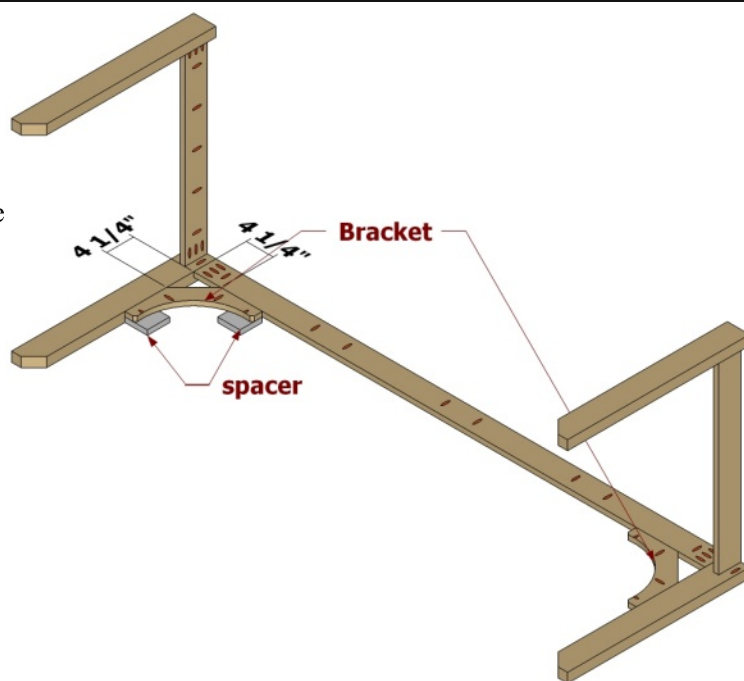


NOTE

Use the layout as a guide for measuring, marking, cutting, and drilling pocket holes in the **Brackets**. Set your jig and drill bit for 3/4" stock where indicated.

NOTE

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

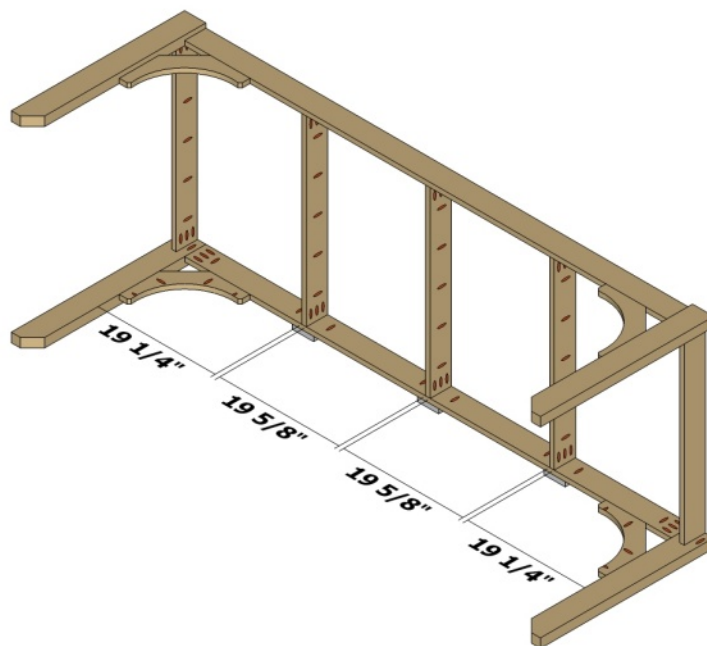


NOTE

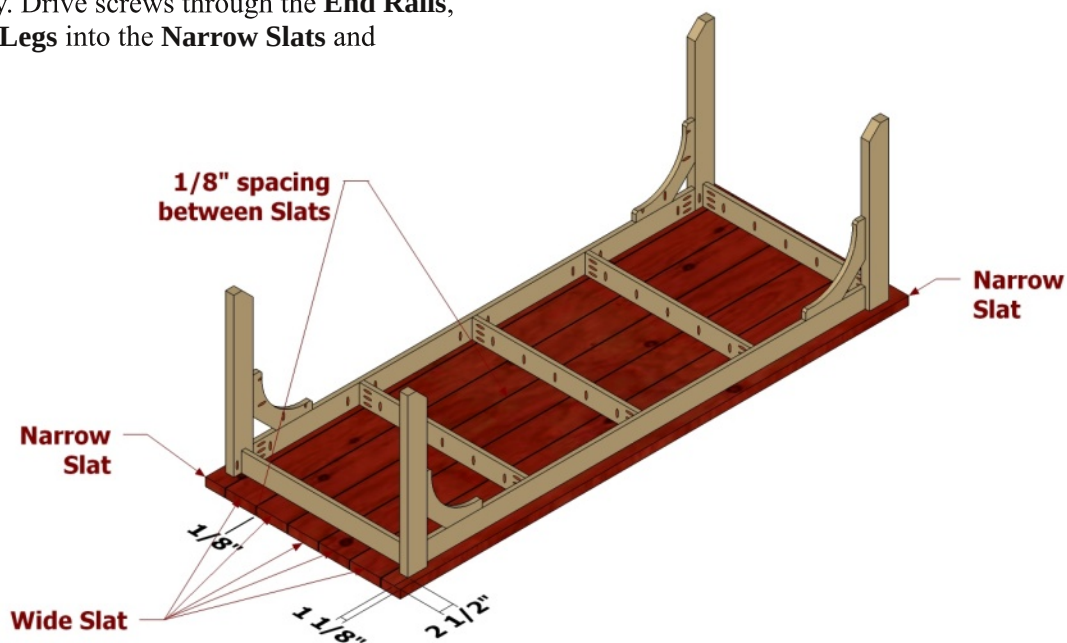
Position the parts as shown and attach using glue and 1 1/4-inch pocket hole screws. Clamp the parts in place during assembly.



Attach the remaining **Side Rail** and **Brackets** to the other side of the assembly, and the **Stretchers** to the second **Side Rail**. Position the parts as shown and attach using glue and 1 1/4-inch pocket hole screws. Clamp the parts in place during assembly.

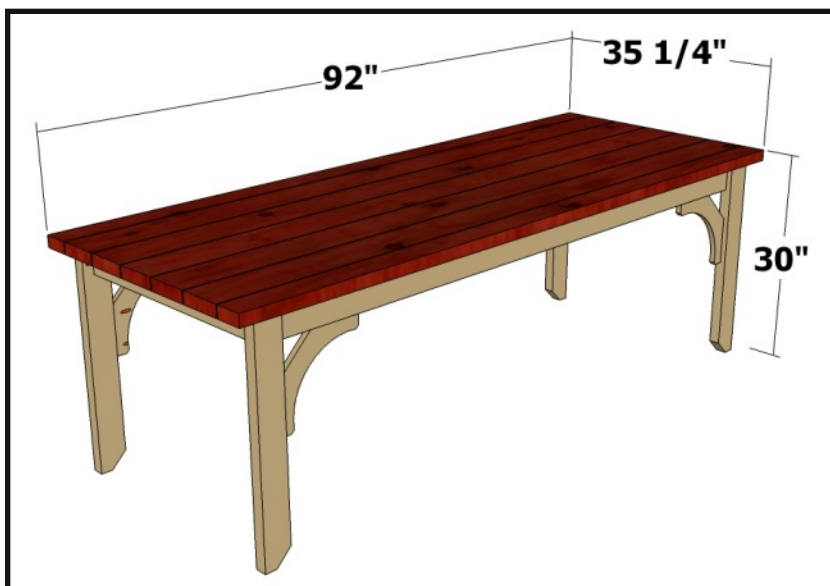
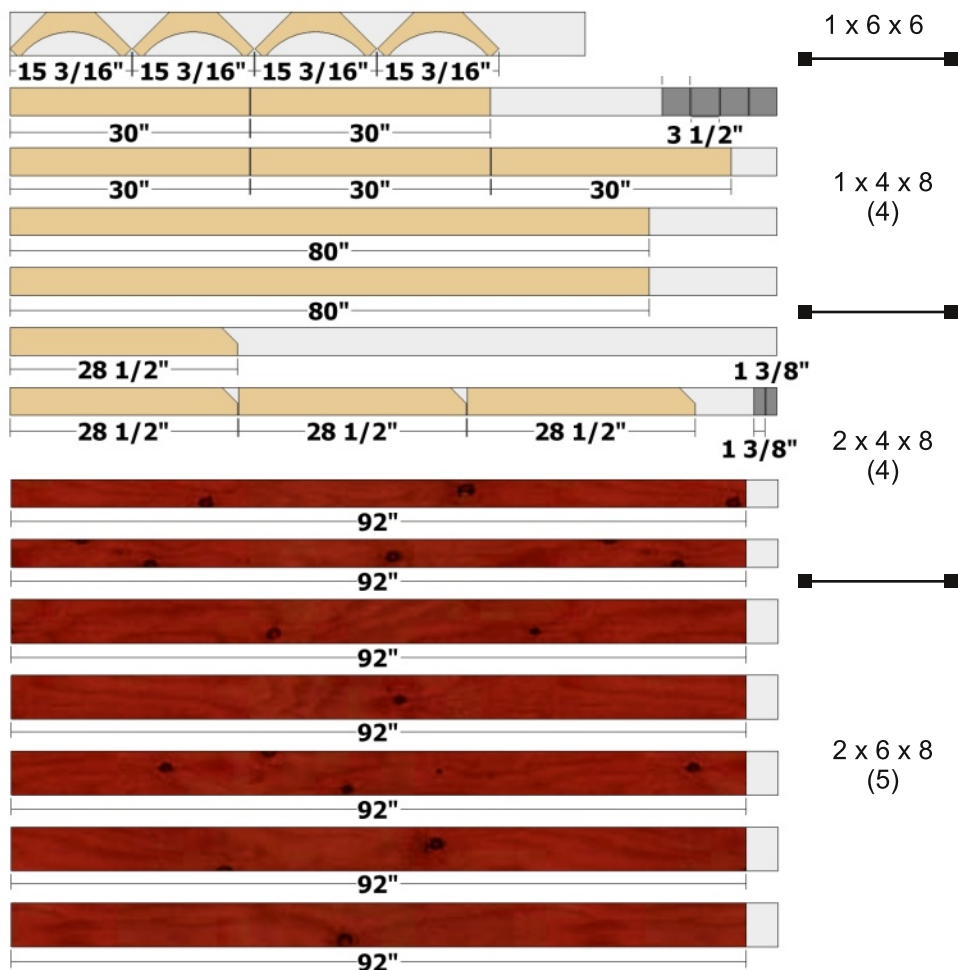


Position the parts as shown and attach using glue and 1 1/2-inch pocket hole screws. Clamp the parts in place during assembly. Drive screws through the **End Rails**, **Side Rails**, and **Legs** into the **Narrow Slats** and **Wide Slats**.





CUTTING DIAGRAM



PARTS

Legs (4) - 1 1/2 x 3 1/2 x 28 1/2
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Brackets (4) - 3/4 x 5 1/2 x 15 3/16
Stiles (3) - 3/4 x 3 1/2 x 30
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spacer (2) - 1 1/2 x 3 1/2 x 1 3/8
spacer (4) - 3/4 x 3 1/2 x 3 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.



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!