



This plan will produce two faith chests (dimensions 22" w x 9.5" h x 9.25" d) from one ½ sheet of 1/2" finished plywood. Either oak or birch finish as well as the hardware are available at most home improvement or lumber stores. This plan uses 45 degree angle cuts to form the corners of the chest which requires a table saw.

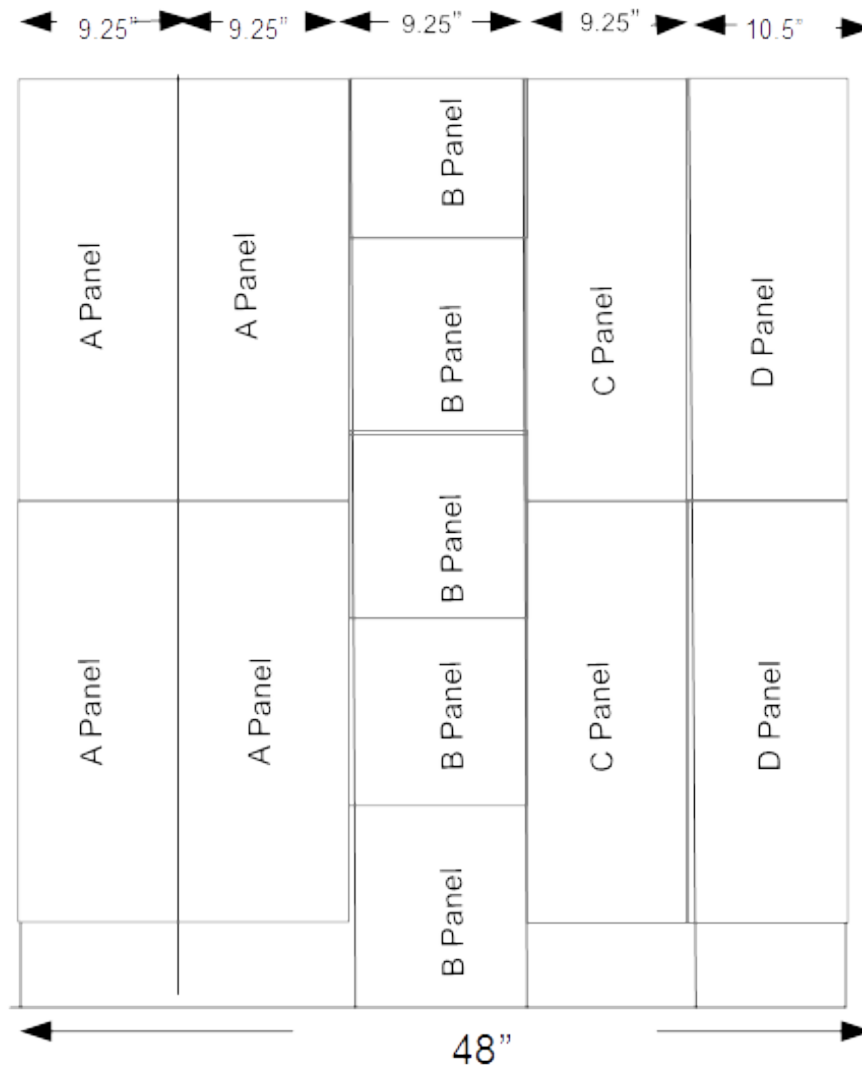
Materials required are as follows:

- 1 piece of finished plywood 48" x 48"
- 1 roll of iron-on veneer to match the plywood chosen
- 1 Piano hinge 1 1/16th" x 12"
- 2 handles of your choosing (to match hinge)
- 1 cross 4" high by 3" wide. It can be made or purchased.
- 2 cans spray on lacquer (or finish as desired with stain and polyurethane)
- 220 grit sandpaper
- awl or small drill bit
- 4 screws, 8-32 by 3/4"

Tools required:

- Table saw
- nail/brad gun (electric or pneumatic) and 3/4" nails
- phillips screwdriver
- utility knife
- drill and 3/16 wood bit

1st cut- Rip lengthwise with the grain



A Panel = front and back panels 22" x 9.25"

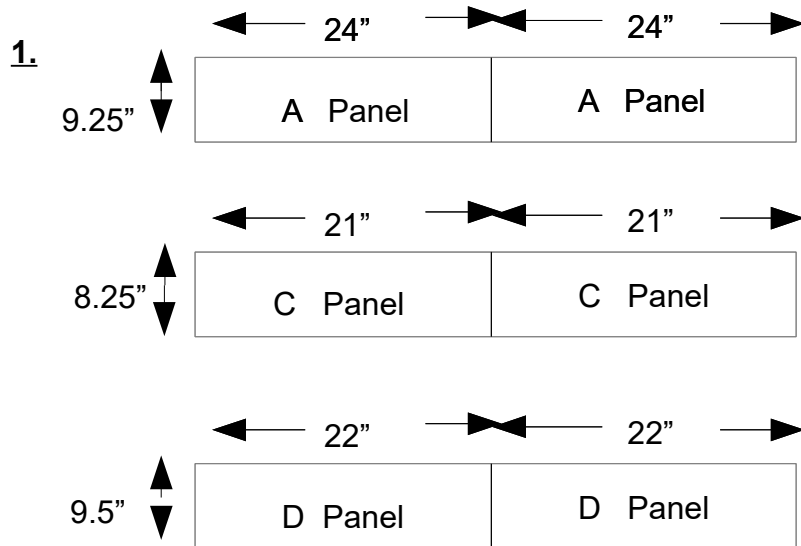
B Panel = End panels 9.25" x 9.25"

C Panel = Bottom panel 21" x 8.25"

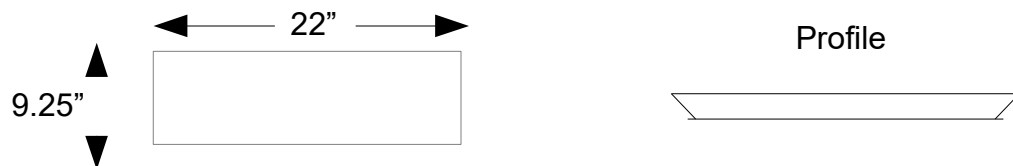
D Panel = Top panel 22" x 9.5"

Note: Making the first cut at 28" , then cutting the 9.25" boards from the remaining pieces will make the job easier.

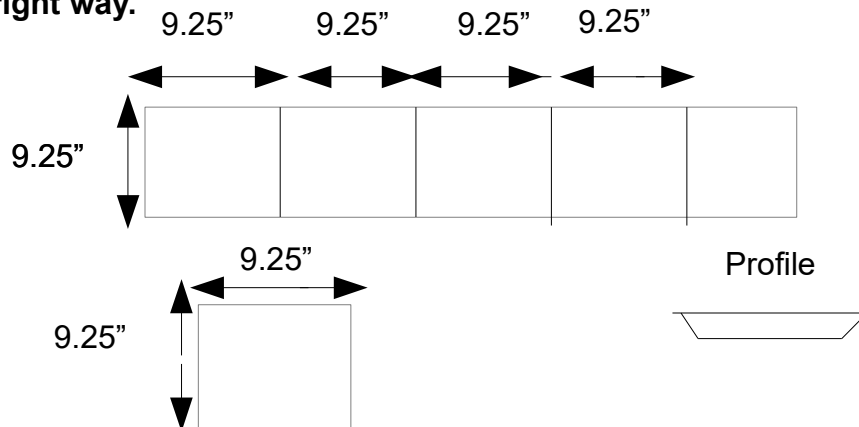
Second cuts- Cross cut A (front and back), C (bottom) and D (top) panels:
Set saw blade to 90 degrees and cut the boards for A, C and D panels at 24".
Trim the C and D panels to their final size while the blade is at 90 degrees.



2. Set the saw blade to 45 degrees and trim A Panels to 22" x 9.25"

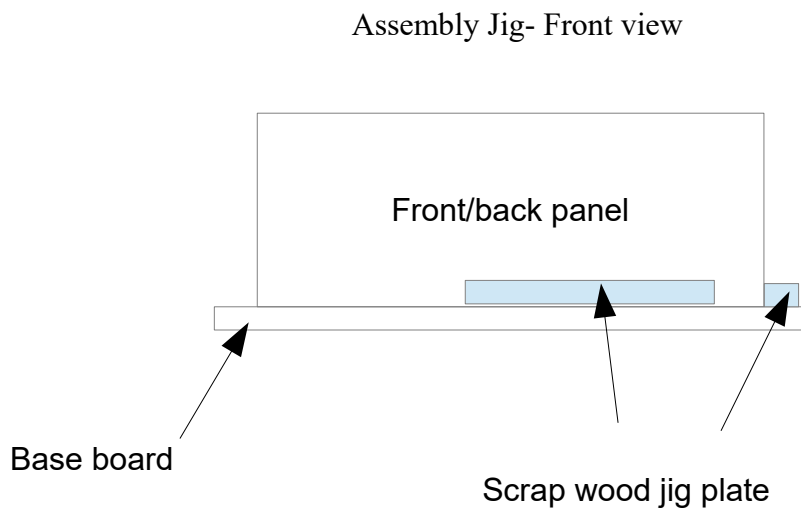
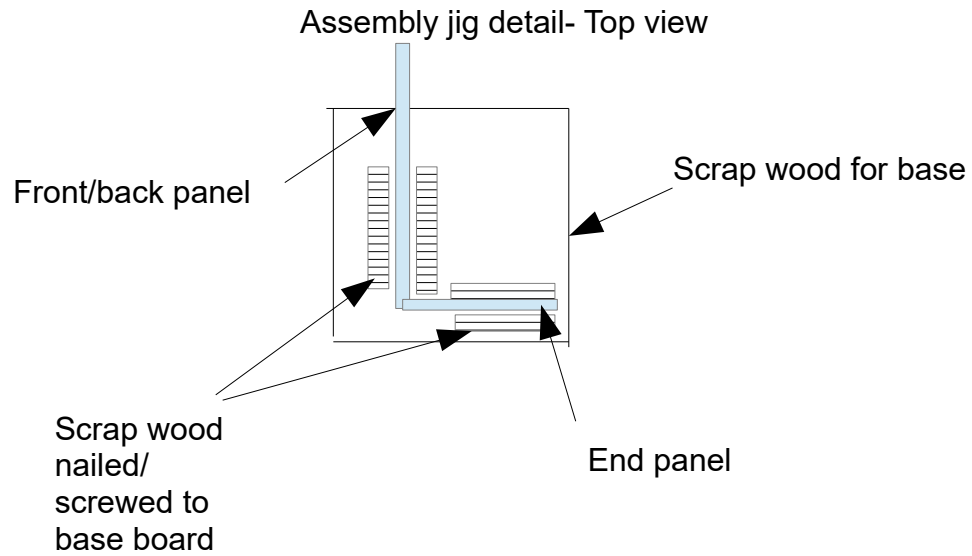


3. Cut one of the remaining two 9.25" boards in to five 9.25" sections for the end panels making sure the 45 degree cuts are going the right way.



Assembly

Assembly of the chest is much easier if an assembly jig is made out of scraps of the plywood prior to assembly.



Assembly

1. Using a hot iron, press the iron-on veneer on to the unfinished edge of all panels (not on 45 degree edges). Using a utility knife or scissors trim the excess veneer flush at the 45 degree angles and at each edge of the lid. Do not put veneer on the bottom panel.
2. Glue one end of an end panel and a front/back panel and press them together firmly in the assembly jig so they are lined up perfectly then using the nail gun, nail them securely together with a minimum of three nails. Repeat this with all panels to form four L-shaped sections. **Caution:** If the nail gun is not held perfectly straight the nail will come through the side of the boards. A safer method is to use an awl or drill to make starter holes 1/4" from the edge of the 45 degree angle on the B panels and hammer the 3/4" nails. Do not drill all the way through the edge. Just go deep enough to start the nail.
3. Once the L-shaped sections are nailed glue the ends of each L-section and nail together. No jig is required as the sections are now self supporting.
4. With the body of the chest formed, drop the bottom of the chest in from the top and nail at the base.
5. Using the drill and 3/16 bit drill holes for the handles 3" down from the top of the box. Measure carefully to find the correct location for the handle holes.
6. Sand the entire chest and lid with 220 grit sandpaper and wipe the sawdust completely. Finish the chest as desired paint, using stain and polyurethane or lacquer.
7. When finishing is complete place the lid on the top of the chest so it is flush to the rear and attach the hinge as shown on the following page, pre-drilling or starting a hole for each screw with an awl (awls better), using the screws supplied with the hinge.
8. Attach side handles using 8-32 x 3/4" screws.
9. Glue cross to the front of the chest, making sure it is centered.

Hinge attachment- Determine the best side of the lid then place it face down on a flat surface. Center one wing of the hinge along the rear of the board (hinge pin should be out and the top of the hinge should be flush to the top panel) and make starter holes with a drill or awl. Carefully drive the screws into the starter holes.

With all the screws set in to the top panel set the panel on the chest , make starter holes and drive the screws in to the rear of the box.

