

**NOTE:** Read all directions before beginning

- Components glue should be used to assemble all joints.
- Set all nails and countersink all screws.
- Dimensions in brackets denote millimeters.

**Directions (Plywood Model)**

- 1) Lay out your material as outlined in the suggested materials layout (Fig 1). Draw out all parts exactly as illustrated in the cutting diagram (Fig 2), including the letter designations, in pencil. Ensure to leave a small space between cut lines to allow for the width of the saw. Before cutting, double check all measurements to ensure that they are correct. Mark the waste side of each piece with a pencil and a 3/4"x3/4" notch out of each corner of piece B using a hand saw.
- 2) Pre-drill two 1/8" pilot holes into the ends of each of pieces C. See (Fig 3). Countersink with a 3/8" bit to a depth of 3/4" using a drill depth gauge (illustration 1). Glue the ends of pieces D and attach to pieces C, screwing through C into D, using 2 1/2" #8 flathead screws. Pre-drill two 1/8" holes using a 1/8" bit through the side face of each piece C. See (Fig 4). Countersink to a depth of 3/8" using 3/8" bit. Glue the ends of piece E and attach to CD assembly by screwing through piece C into piece E using 2 1/2" #8 flathead screws. Repeat for second piece C, and the other CD assembly. Glue pieces K into countersink of piece C using a jigsaw and sandpaper (Fig 5). Round off all four pieces C using a jigsaw and sandpaper (Fig 5).
- 3) Build the bottom shell by pre-drilling three evenly spaced 1/16" holes using a 1/16" bit through each piece J and piece side of piece B ensuring that the edges of pieces B and J are flush. Nail through pieces J into pieces B through the pilot holes, using 1 1/2" finishing nails. Pre-drill two evenly spaced 1/16" pilot holes through each piece H. Glue and nail pieces H to the front and rear edges of piece B using 1 1/2" finishing nails. Ensure that the edges of pieces H and piece B are flush (Fig 6). Build the top shell by pre-drilling three 1/16" pilot holes through the top edge of each piece G. Repeat for piece G on the other side of piece B. Glue and nail pieces F and G to the sides of piece B using 1 1/2" #8 flathead screws. Ensure that the angles meet correctly as shown in (Fig 7).
- 4) Drill six 1/8" pilot holes, using a 1/8" bit through the bottom side of the top pieces C and E, 3" in from each end, and so that the holes will come through the 1 1/2" edge in the top side of piece C, adjacent to pieces G, two per each piece C and two for top piece E. Countersink to a depth of 1/2" using a 3/8" bit. Glue the top edges of pieces C and the top side of the top piece E and screw through the pilot holes in pieces C and E into piece A/G, using 1 1/2" #8 flathead screws. Repeat the procedure to secure shell B/H with notices in B fitting around the legs, pieces D.
- 5) Seal all nails, sand the entire project and stain the project to manufacturer's instructions and allow to dry. Fill all exposed nail and screw holes, with filler mixed with stain to match dry stained project, or colored putty. Apply final finish using manufacturer's instructions. If you are going to paint the project, fill exposed nail and screw holes with a suitable filler and sand entire project. Apply paint using manufacturer's instructions. Do not use leaded paint for projects that will be around young children.

**On materials:**

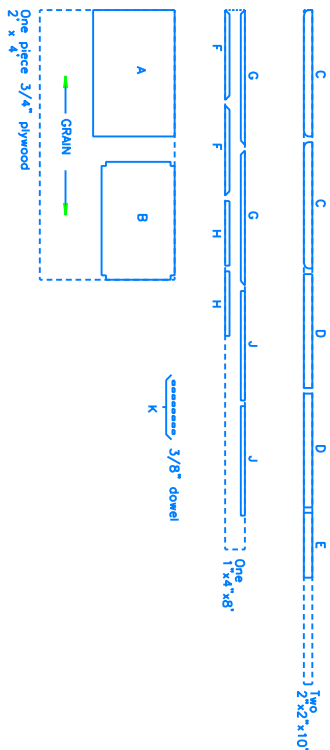
The plywood should be good both sides. Choose a piece with a nice appearance to the grain.

**TOOLS (Plywood Model)**

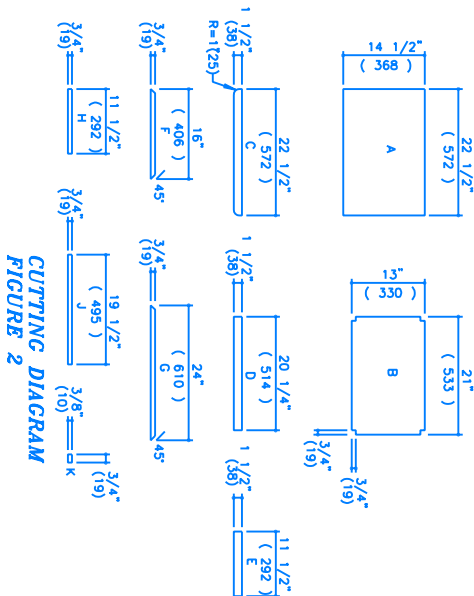
- Pencil
- Hand saw
- Jigsaw
- Table saw
- Sanding block
- Miller box
- Drill
- 1/16" bit
- 1/8" bit
- 3/8" bit
- Hammer
- Measuring tape
- Nail set
- Screwdriver
- Putty knife

**TOOLS (Solid Wood Model)**

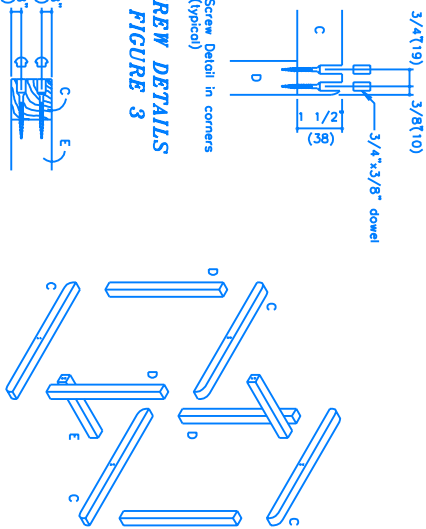
- Pencil
- Hand saw
- Table saw
- Jigsaw
- Sanding block
- Drill
- Nail set
- 1/8" bit
- 1/16" bit
- 1/4" bit
- 3/8" bit
- Measuring tape
- Screwdriver
- Blushers for finish
- Pipe clamping (optional)
- Putty knife



**MATERIALS LAYOUT**  
FIGURE 1

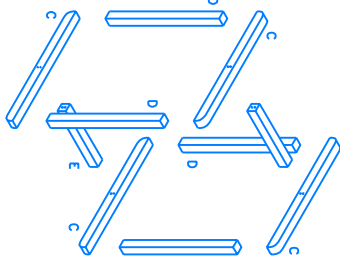


**CUTTING DIAGRAM**  
FIGURE 2



**SCREW DETAILS**  
FIGURE 3

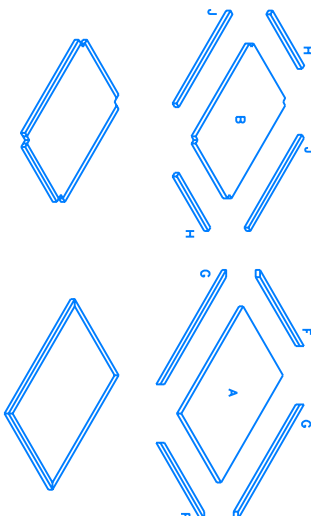
**SCREW DETAILS**  
FIGURE 4



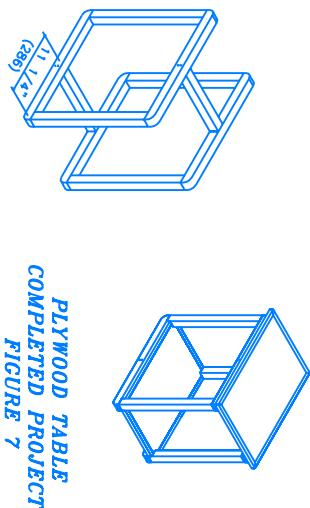
**EXPLODED VIEW**  
FIGURE 5

**BOTTOM SHELF**

**TOP SHELF**



**DRILL DEPTH GAUGE**  
ILLUSTRATION 1



**PLYWOOD TABLE**  
**COMPLETED PROJECT**  
FIGURE 7