NOTICE

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NOTE: ***Read all directions before beginning***
Carpenters glue should be used to reinforce all joints
Countersink all screw holes
Check that all pieces fit before attaching
Dimensions in brackets denote millimeters

Directions

1) Lay out your material on your workbench, as outlined in the material layout and cutting diagram (Fig 1 & 2). Label all pieces with a pencil. Be sure to leave a small space between cut lines to allow for the width of the saw. Always cut on the waste side of the line. Before cutting, always double check your measurements. The end of pieces G and H are miter cuts at 45 degrees, the long measurements are given. To shape piece F, rip the 2x4 to a 1" thick piece, and draw a line down the middle of the 11" side, set your saw depth disappears to make the curve. Do not sand any closer than 3/4" from each end. It would be best to borrow the use of a bandsaw for this operation. NOTE: follow instruction 2 before starting on piece F.

2) Glue and clamp together pieces D and E, as well as C and B, as shown (Fig 3). Let glue set overnight.

3) Cut notches in legs as shown (Fig 4) using a finishing saw and chisel. Now cut the tapers. The legs taper up from the bottom, starting at a 1 1/4" square, and ending 13 3/4" up at a 2 1/4" square. Only cut the inside edges (un-notched) for the two taper cuts. The upper taper for the back leg is only tapered on one side, the side that faces the front. The taper begins on a 2 1/2" square 2" above the notch, and tapers to a 2 1/2" x 1 1/4" rectangle at the top of the chair. You can build a saw guide (Illustration 1) for your table saw to assist in these cuts.

OVER

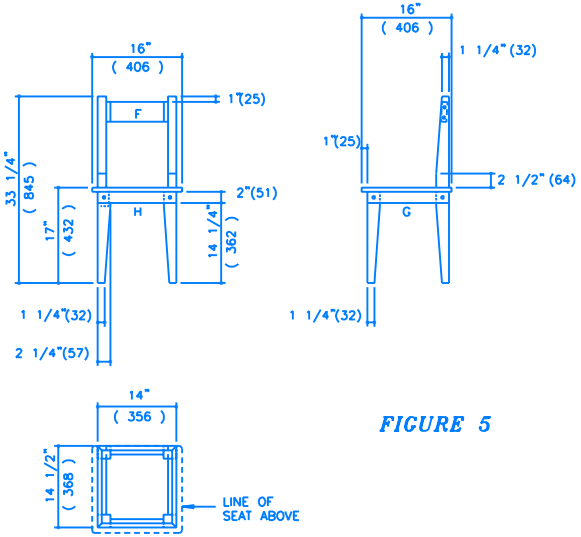
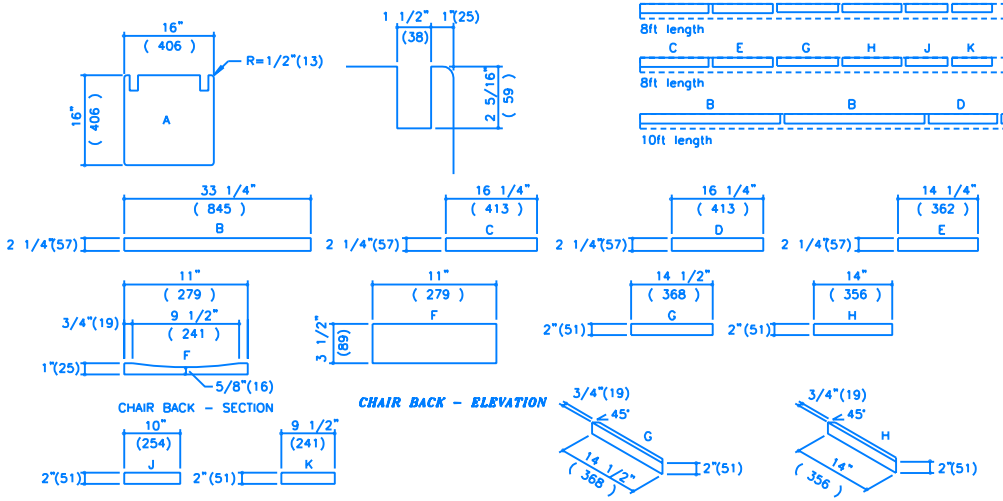
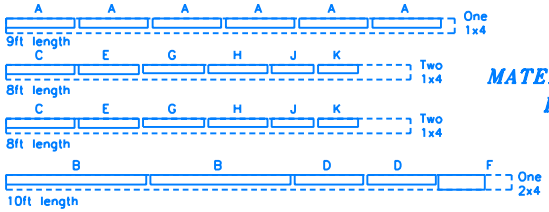


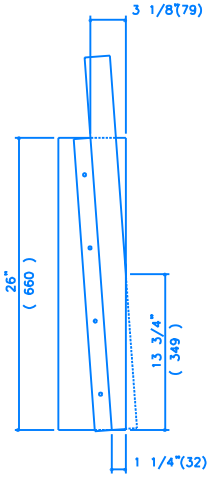
FIGURE 5



CUTTING DIAGRAM
FIGURE 2



MATERIALS LAYOUT
FIGURE 1



SAW GUIDE FOR CHAIR LEG
ILLUSTRATION 1

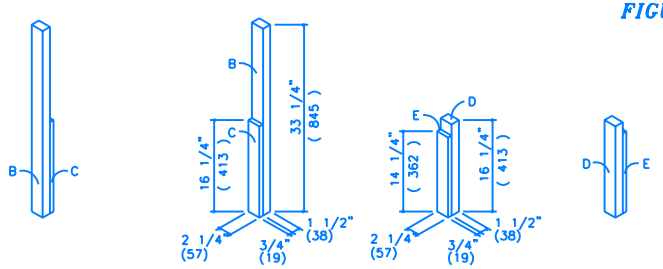
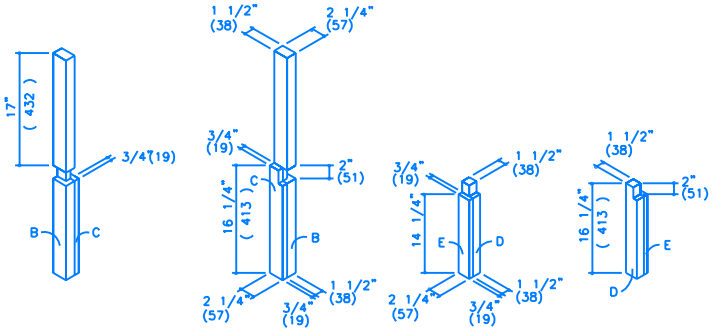
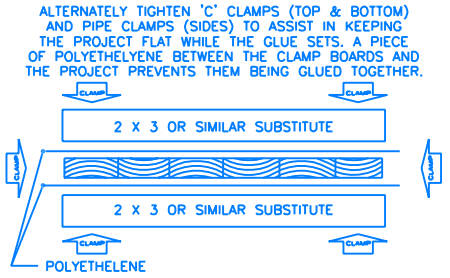


FIGURE 3



RIGHT BACK LEG LAMINATION ***LEFT BACK LEG LAMINATION*** ***LEFT FRONT LEG LAMINATION*** ***RIGHT FRONT LEG LAMINATION***

FIGURE 4



SOLID WOOD LAMINATION DETAIL

DINING ROOM CHAIR – Project #105

MATERIALS LIST
* NOTE: MATERIAL FOR ONE CHAIR ONLY

Approx. fifty 1 1/4" #8 flathead screws
Approx. ten 1 1/2" #8 flathead screws
Approx. four 2 1/2" #8 flathead screws
Twenty eight wood plugs or 14" of 3/8" wood doweling

MATERIALS LIST

Sandpaper
Carpenters Glue
Stain and varnish, or oil
One 16"x16" Pre-laminated table top (3/4" thick) or 3/4" plywood and edgetape
One 10' 2x4 (1 1/2"x3 1/2")
Two 8' 1x4 (3/4"x3 1/2")

TOOLS

Table Saw
Jigsaw
Finishing Saw
1/2" wood chisel
Square

TOOLS

Pencil and measuring tape
Three 12" bar clamps
1/16", 1/8" and 3/8" drill bits
Four 6" 'C' clamps
Screwdriver