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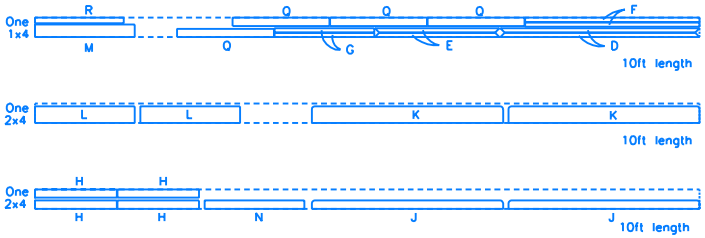
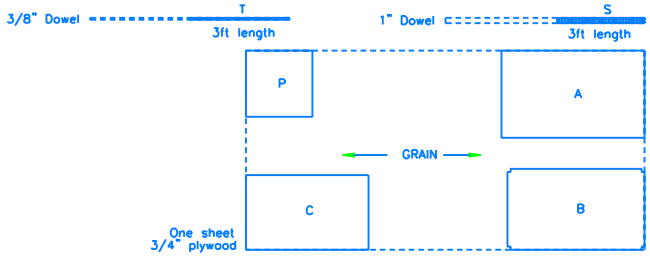




MATERIALS LAYOUT
FIGURE 1

Note: ***Read all directions before beginning***
Carpenters Glue should be used to reinforce all joints
Set all nails and countersink all screws

Directions:

1) Lay out your material on the workbench, as outlined in the suggested material layout (Fig 1). Draw out all parts exactly as illustrated in 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 they are correct. Always cut on the waste side of the line. You can cut the rabbet joint in pieces L (Fig 3) with a tablesaw with the blade set at a 3/4" depth, or with a router. Test the depth of cut on a scrap piece of wood. The notches in piece B can be cut with either a jigsaw, or a handsaw and chisel. Dry fit all notches to ensure a snug fit before glueing and nailing. Cut the miters in E and D with a miter box and handsaw.

2) To make the backgammon board, draw a light line in pencil 6" from each of two edges to mark your triangle apex points. Make marks on these lines 7 1/2" in from each edge to show the locations of the middle separater. Mark the apex points on the 6" lines starting from the outside edge 5/8" in, and every 1 1/4" thereafter. Draw the triangles, the bases being 1 1/4" thick, and, with an eraser, remove any unnecessary guide lines. Paint or stain the triangles light and dark, first lightly stain whole board then use a ruler and a fine paint brush to ensure you do not "go over the lines" when staining dark areas. Similarly, draw and paint or stain the chess/checker board on the opposite side of the piece, the squares are 2" wide. Lay out piece P, backgammon side up. Blunt the ends of 1 1/4" finishing nails and nail R to the center of P (Fig 8). Nail pieces Q to piece P. The bottoms of Q and P should be flush on chessboard side of board. Set the nails and fill with wood filler. Stain or paint half the divisions dark, the other half light.

3) Using a 1/8" drill bit, drill through pieces K and countersink these holes to a depth of 1" with a 3/8" bit as shown (Fig 4). Glue the tops of pieces H and screw, through the holes in K, K to H with eight #8 3" flathead screws. Glue and insert eight 1" dowel lengths of 3/8" into the holes (Fig 4). Cut off the excess dowel. Round the corners with either a jigsaw, or cut off at 45' with a handsaw, and sand smooth. Repeat this procedure to attach pieces J to the other ends of H, only the 3/8" countersink hole should only be 1/2" deep on bottom rails and use eight #8 3" flathead screws.

OVER

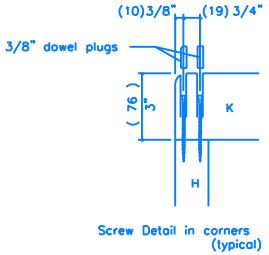


FIGURE 4

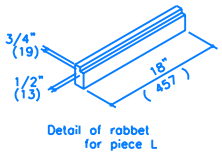
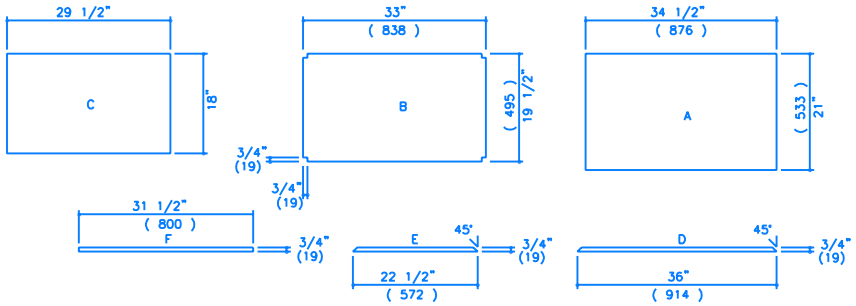
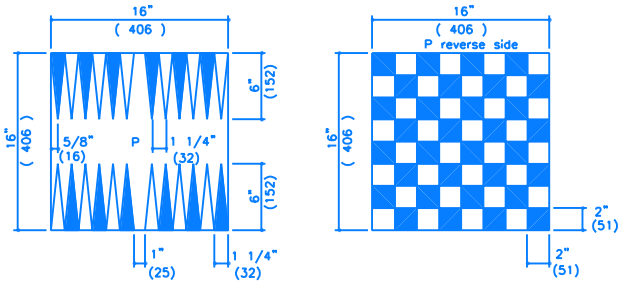
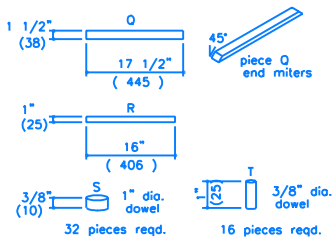
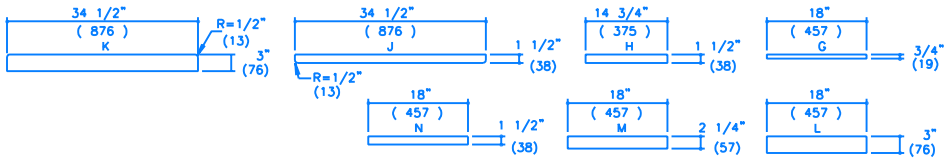


FIGURE 3









CUTTING DIAGRAM
FIGURE 2

GAMES/COFFEE TABLE – Project #305

MATERIALS LIST

Two 10' 2x4 (1 1/2"x3 1/2")
One 10' 1x4 (3/4"x3 1/2")
One 4'x8' sheet 3/4" plywood, good both sides
One 36" length 1" dowel
One 36" length 3/8" dowel
Two 3" hinges with 1/2" mounting hardware
Two slow closing lid stays

MATERIALS LIST

Light and dark stain
Varnish or oil
Approx. ten #8 3" flathead screws
Approx. fifty #8 1 1/4" flathead screws
Approx. 1 lb. 1 1/4" finishing nails
Approx. fifteen 2" #8 flathead screws
Approx. 1/2 lb. 1 1/2" finishing nails

MATERIALS LIST

Four 1/8"x1/4" cork bumpers
Wood filler
Sandpaper
Carpenters glue
Twelve 3/8" wood buttons