

NOTE: Read all directions before beginning

- Carpenter's glue should be used to reinforce all joints.
- Set all nails and countersink screws - use wood filler as necessary to spot holes in deckers before finishing wood.
- Dimensions in brackets are inches except where shown in brackets, dimensions denote millimetres.
- Wipe off excess glue with a wet cloth before it has time to set.
- Dry fit all parts to ensure proper fit prior to joining.

Directions:

Procedure 1) - See Figures 1 & 2

Begin your project by laying out all materials as illustrated in Figure 1 (Material Layout). Using a pencil, measuring tape and square, draw out all the parts exactly as shown using the dimensions and shapes illustrated in Figure 2 (Cutting Diagram). Be sure to include the part numbers designated for each piece as well. In the case where two parts are laid out together, they should be marked with enough space between them to allow for the width of the saw cut.

Before you begin, you need to decide which Option (A or B) you are going to build, as this will determine the amount and type of materials you need to purchase. Some pieces are not required at all or are a substitute for another similar piece. Make your decision and then study the list before you buy and before you cut!

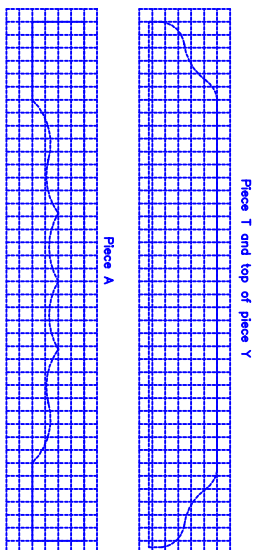
You will also need to research a source for the spindles for the project. These spindles are based upon a CLEAR distance of 6-1/2", with a maximum of 1/2" insertion into dowel holes, making the spindle piece V, a max length of 7-1/2". Spindle W is only 6-1/2" as it is inserted with 3/4" dowels on each end. If your spindles are a different length, you will need to adjust the building Option C accordingly. The only dimensions affected by a change in spindle lengths, there are usually custom spindle shops around that can make spindles to your design if you get hung up.

The scroll patterns for pieces A & T (or Y) are illustrated below in Detail B. These shapes are not critical, so feel free to alter them as you wish. The grids are all 1" squares. Draw the grids on the wood and then draw the pattern using the grid as a guide.

The routed edges of pieces D/E & F as well as the rabbeted grooves on the inside edges (1/4"x1/2") should be done after they are fully assembled to ensure proper alignment. This procedure applies to the bull nose on the front of pieces N/NT and the S/S1 assembly, as well. After the S/S1 assembly is mounted with the 1/2" round hinge, wedge a 1/8" shim in the 1/2" space between it and router. Make sure the shim is flush with the front edges and top so you will be able to get a smooth continuous finished edge.

The tapered faces on piece L (Detail A) can be achieved with clever use of a table saw combined with a flat moulting cutter, a shaper or 1/2" router with the proper cutters. If you cannot do it, then invent different shapes to suit your needs. The only thing to remember is that the shape of the pieces (glued in place prior to mounting the panel in the frame assembly). Piece L is a pre-terminated solid wood panel available at most lumber dealers.

The balance of the rabbets and dados can be cut with a table saw.



Detail A

Detail B

Blueprints for the Handyman Presents

DEACON'S BENCH - Project #316

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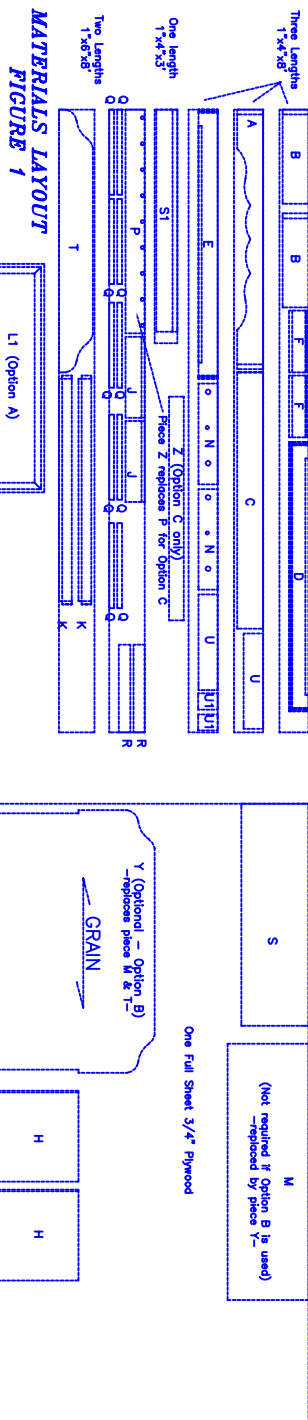
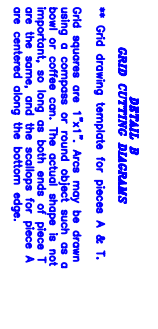


FIGURE 1

CUTTING DIAGRAM
FIGURE 2



Detail A

Detail B

Detail C

Detail D

Detail E

Detail F

Detail G

Detail H

Detail I

Detail J

Detail K

Detail L

Detail M

Detail N

Detail O

Detail P

Detail Q

Detail R

Detail S

Detail T

Detail U

Detail V

Detail W

Detail X

Detail Y

Detail Z

Detail AA

Detail AB

Detail AC

Detail AD

Detail AE

Detail AF

Detail AG

Detail AH

Detail AI

Detail AJ

Detail AK

Detail AL

Detail AM

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