

Work Table Construction

To build your kit safely, you require a sturdy worktable of a suitable size, as stated before:-

"The most important and critical thing is to ensure that the table is absolutely flat, containing no twists. Any twist in the table will translate into twisted aircraft sections, which usually results in an aircraft that doesn't fly straight hands off".

Bear this in mind as it is worth taking the time and effort to ensure the trueness when constructing your work table. Two or more people will be required to assembly this table.

Material requirements

PART	DESCRIPTION	QUANTITY
A	3/4" X 7 3/4" X 24 1/2" PLYWOOD PIECES	9
B	3/4" X 7 3/4" X 94" PLYWOOD PIECES	4
C	3/4" X 7 3/4" X 96" PLYWOOD PIECES	2
D	3/4" X 30" X 96" PLYWOOD PIECES	2
E	3/4" X 6" X 30" PLYWOOD PIECES	10
F	3/4" X 6" X 92 1/2" PLYWOOD PIECES	4
G	3/4" X 6" X 21 1/2" PLYWOOD PIECES	5
H	2" X 2" X 7 3/4" WOOD PIECES	4
J	2" X 2" X 6" WOOD PIECES	4
	WOOD GLUE	TO SUIT
	WOOD SCREWS 1 1/2" AND 2 1/2"	TO SUIT

Top Frame

1. Clear floor surface area large enough to build the table and manoeuvre it and yourself whilst doing it.
2. Take 4 off item B and lay in two rows of two, end to end.
3. Place 1 off item C on top of each row of items B centrally located about the join and in line, glue, drill and screw in position.
4. From the center line of C mark the fixing holes for the cross members A, 4 equal pitches of 23 1/2" either way, this will give the positions of the 9 A cross members. Repeat this for both B and C assemblies.
5. Glue and screw the A section to the B/C assemblies to form framework. See fig 1. 1
6. Glue and clamp the 10 leg sections E in position, glue two faces on the H sections and locate in the corners as shown, these are to strengthen the corner joints.
7. Screw from the outside face through A and B [and B/C] into E in all positions and using longer screws in the corner positions through into H. see Fig 1. 4 [figures 1 and 2]
8. Leave the frame lying upside down, legs up. See fig 1. 2

WORK TABLE CONSTRUCTION

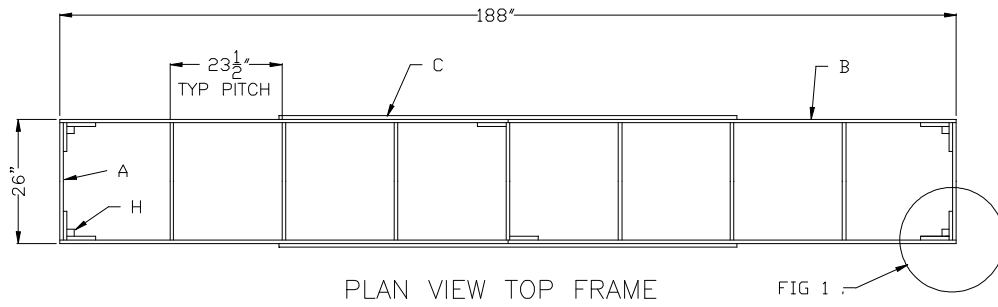


Fig 1.1

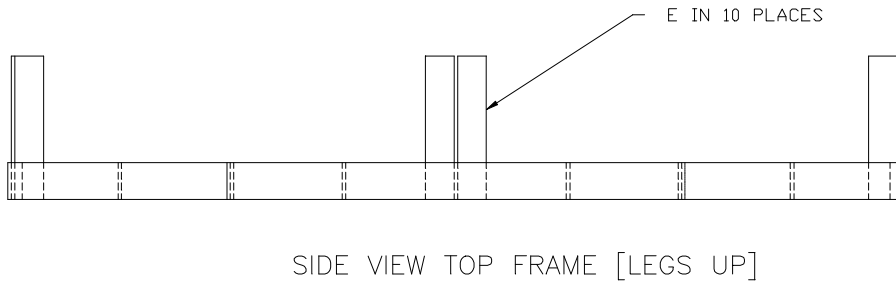


Fig 1.2

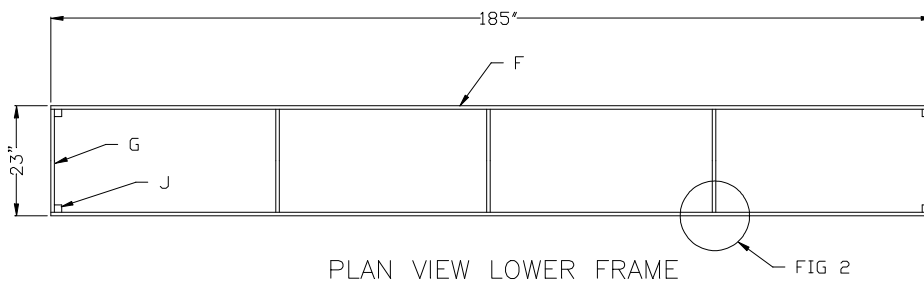


Fig 1.3

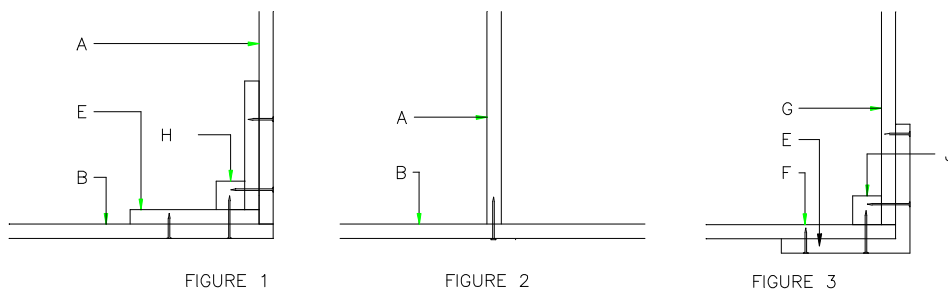


Fig 1.4

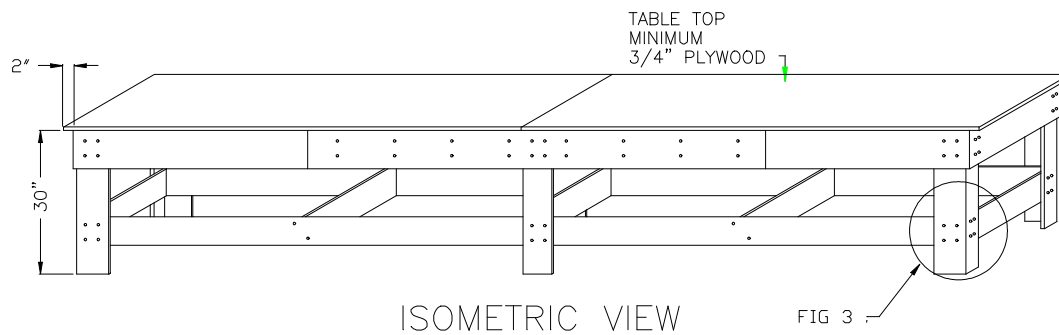


Fig 1.5

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Lower Frame

1. Glue and screw 2 off item F and 4 off item G as shown in Fig 1. 3.
2. Glue on 2 faces 4 off item J, place in corners, clamp and leave for the glue to cure. Do not screw at this stage.
3. On the top frame legs mark a line 6" from the end; this will be the lower edge line for the lower frame on the assembled table.
4. Gently lower the lower frame into the top frame legs, lining what will be the lower edge up with the lines marked in 3. Clamp in position.
5. Screw through legs E into F and G and again in the corners using longer screws into J. See fig 1.5

Table Top

1. Beside the frame you have just built [still upside down] lay the two table top pieces D end to end.
2. Lift the frame over and place centrally on the table top. There should be a 2" overlap all round.
3. Trace a line with a pencil around the frame on the table top. Remove frame.
4. Drill small pilot holes 3/8" **inside** the pencil line approximately evenly spaced every 12" around the perimeter.
5. Run a bead of glue inside the pencil line and carefully replace the frame in position, wipe excess glue and leave to cure before moving.
6. Lift and flip the table onto its legs, **do not lift or manoeuvre** by the table top at this stage.
7. Drill pilot holes to correct size, being careful not to drill too deeply into the frame underneath. Countersink the holes.
8. Screw the table top to the frame.
9. Clean table top surface to remove any dust or dirt collected from the floor. Your table is now ready for use.