

At this point I recommend that you either paint or formica the top to protect the surface from oil and grease.

THE BACKBOARD FRAME

Use 2 X 4 lumber to make the backboard frame. If you are going to use a leaf blower or equivalent fan, assemble a backboard frame as shown in diagram 9A. If you are going to use a fan which pulls about 28" of water at 300 CFM, assemble as shown in 9B.

DIAGRAM 9A: *Backboard Frame*

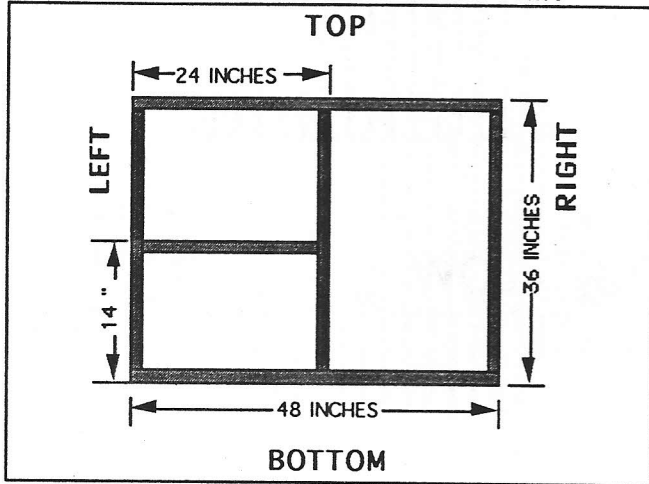
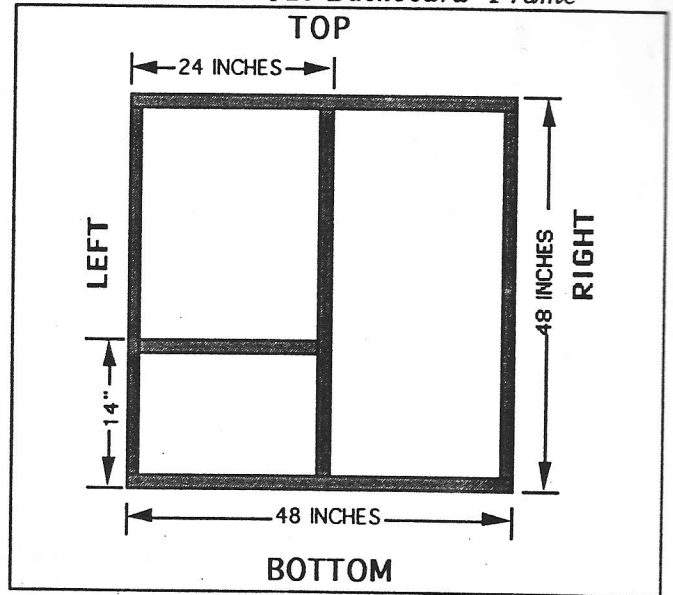


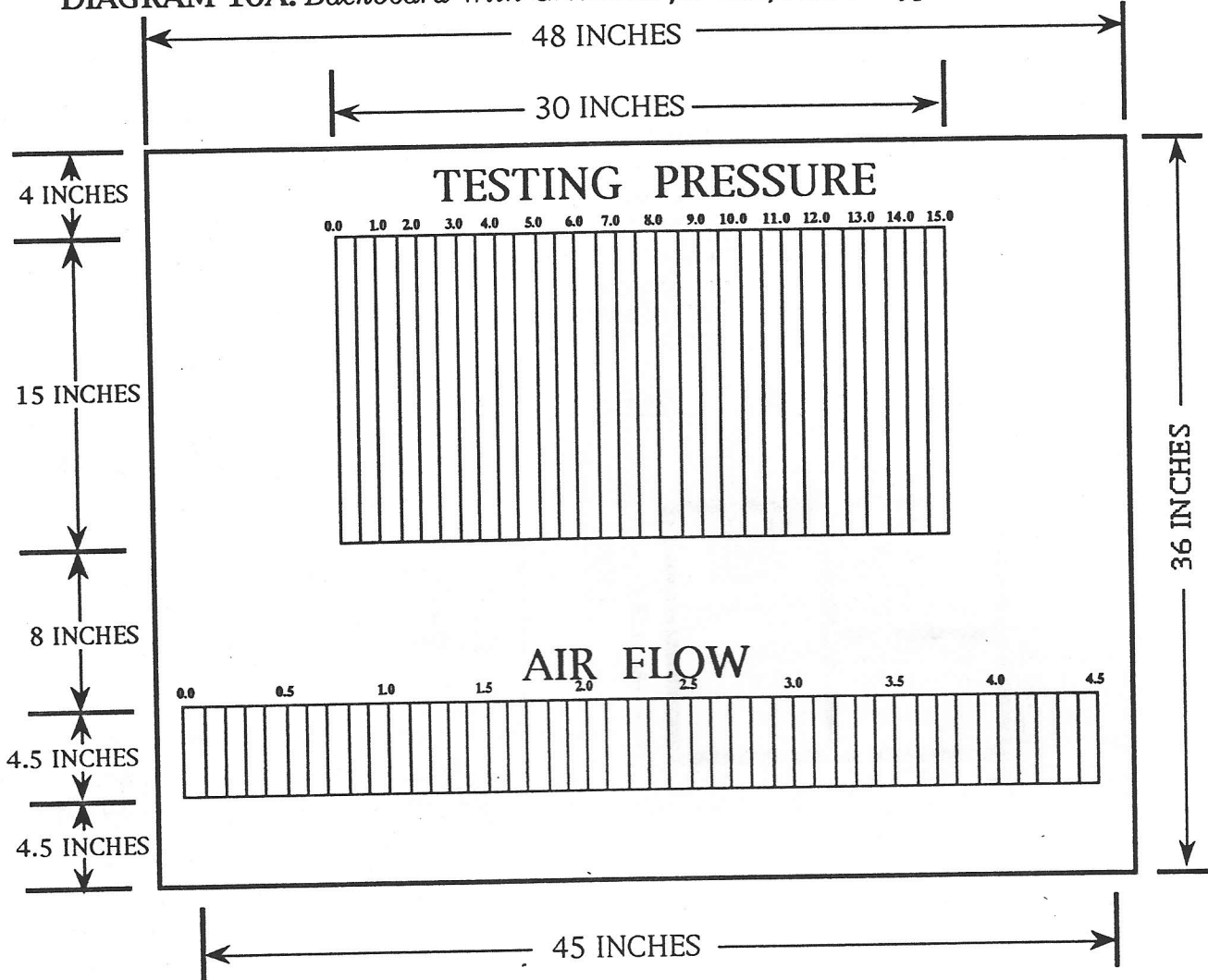
DIAGRAM 9B: *Backboard Frame*



THE BACKBOARD

Use a piece of 1/8" thick hardboard for a backboard. You can purchase this with a preapplied gloss white surface. This is available at building supply stores under the brand name ABITTIBI®. If you purchase an uncolored hardboard you should paint it white. Cut and mark the hardboard as shown in diagrams 10A and 10B.

DIAGRAM 10A: *Backboard With Gridlines for Leafblower Type Suction Fan*



Note the following on this diagram:

- Vertical gridlines for the testing pressure gauge and the air flow gauge are to be spaced 1 inch apart
- The testing pressure gauge is numbered from 0.0" to 15.0" in 1.0" increments
- The air flow gauge is numbered from 0.0" to 4.5" in 0.5" increments
- Make sure the horizontal gridlines are parallel to the bottom of the backboard

