

Step 1

Cut table top $60\frac{3}{8} \times 30\frac{5}{16}$

Make 4 Tops

Use $\frac{1}{4}$ " Ply or $\frac{3}{16}$ " Cabinet backing Ply (Luan)

Step 2 Precuts - from one piece of $\frac{1}{2}$ " sanded ply

Cut $\frac{1}{2}$ " sanded ply into 4 pieces of $10\frac{1}{2}$ " wide

Step 3 - Precuts

cut all of the $10\frac{1}{2}" \times \frac{1}{2}"$ ply Pieces into $2\frac{1}{2}"$ strips. Makes 16 Pieces total.

Step 4 Center table supports and leg braces

From 8 of the $2\frac{1}{2}"$ strips:

- [A] Cut 8 @ $29\frac{1}{4}$ long - center table braces
- [B] Cut 16 @ $29\frac{3}{16}$ long - leg braces

Step 5 - Table sides and Ends

From the remaining 8- $2\frac{1}{2}"$ strips

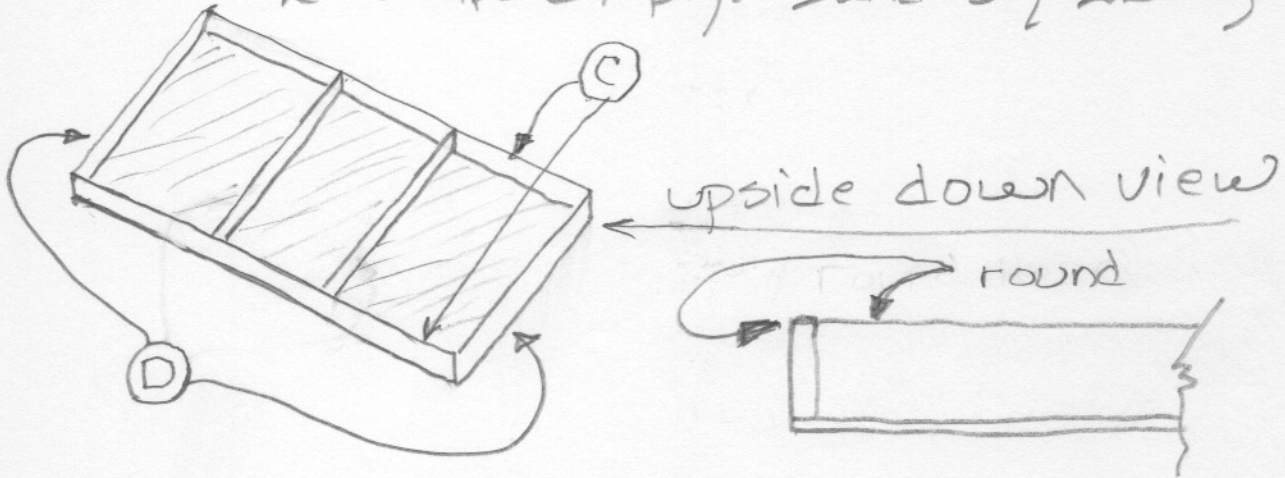
- [C] cut 8 @ $60\frac{3}{8}$ - Table sides
- [D] cut 8 @ $29\frac{1}{4}$ - Table Ends

Note: one C and one D are cut from one strip



Step 6

Sand and round one edge of table parts C and D. Also apply one coat of poly to all $2\frac{1}{2}$ " strips of ply. Sand w/ 220 grit.



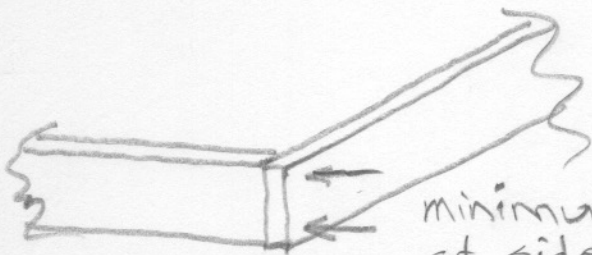
Step 7 - Make four

Assemble Table.

Use glue at all joints

use $\frac{3}{4}$ staples for table top

use $\frac{1}{4}$ staples for Table side to table joint

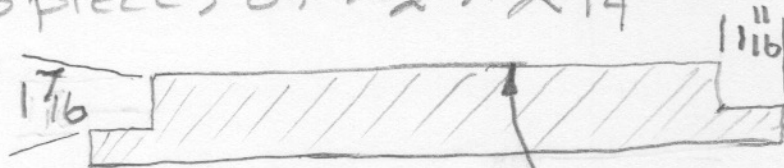


minimum two $\frac{1}{4}$ " staples and glue at side/end joints

Step 8 - cut notches in center table supports [A]

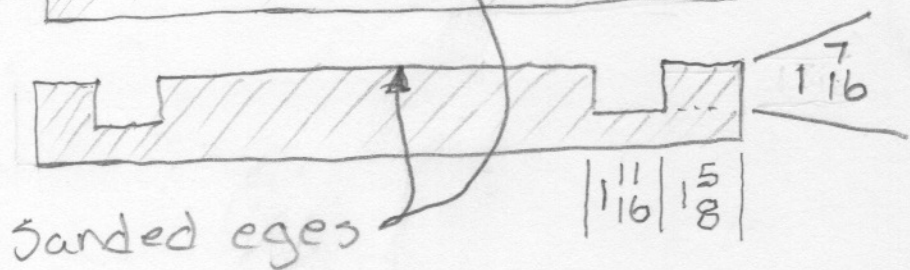
From [A] - 8 pieces of $2\frac{1}{2}$ " x $29\frac{1}{4}$ "

Notch 4 @



Notch 4 @

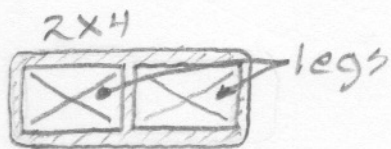
Note: sand new cut notches



Step 9 - Cut legs, make 16

3 legs are cut from one straight 2x4 x 96"
First mill both sides of 2x4 to a thickness
 $1\frac{1}{4}$ ".

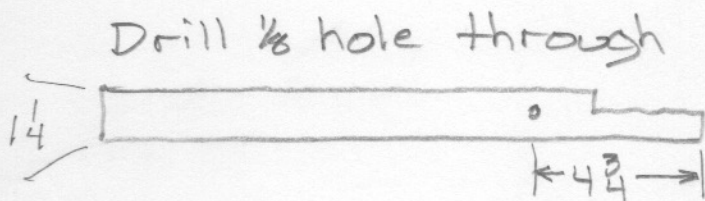
remove $\frac{1}{16}$ " from one edge then cut two
pieces from each 2x4 that are $1\frac{5}{8}$ " wide.



Step 10 - Dado legs and drill support hole



Chamfer ends and sand edges round.



Drill $\frac{1}{8}$ " hole through

Drill holes in end to
accept adjustable feet.

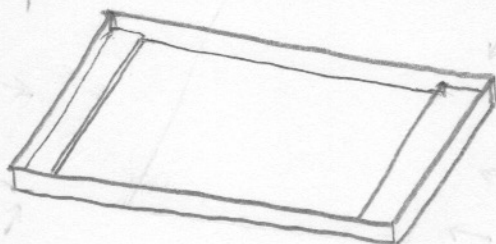
Step 11 - table finish out

cut 8 @ $5\frac{1}{2}$ X $29\frac{1}{4}$ X $\frac{3}{4}$ Ply

Install as shown

use glue on underside and edges.

staple around 3 sides using $1\frac{1}{4}$ " staples

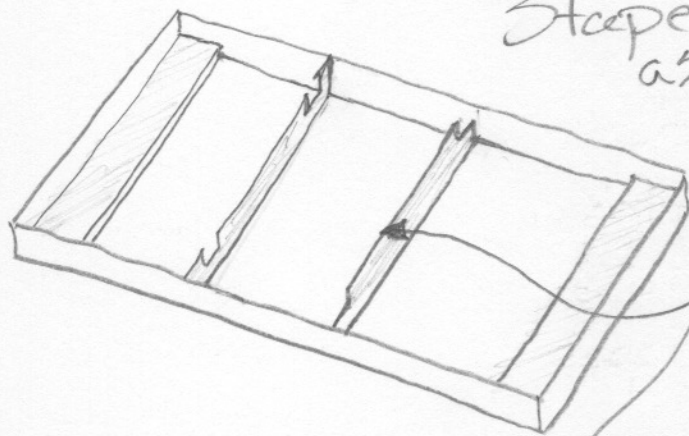


Note: Press firmly down
before stapling.

Step 12 install center table supports

Glue and staple

Stape top to supports
as well.



Sanded edges up

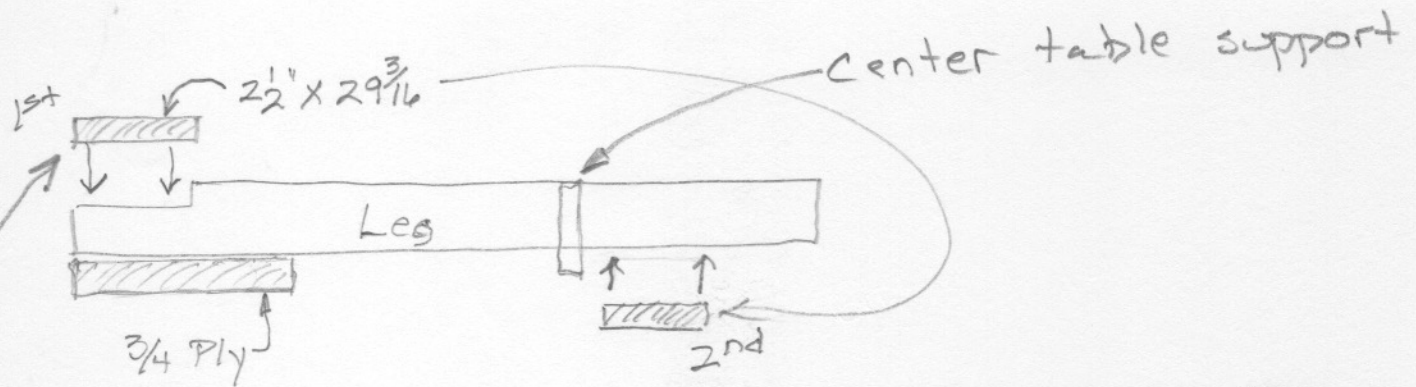


$\frac{3}{4}$ " ply
supports

Note: make 4 sticks $16\frac{1}{4}$ long
for spacers. Helps a lot.

It does not matter which center support
goes where. they can go in either spot.

Step 13 Assemble legs



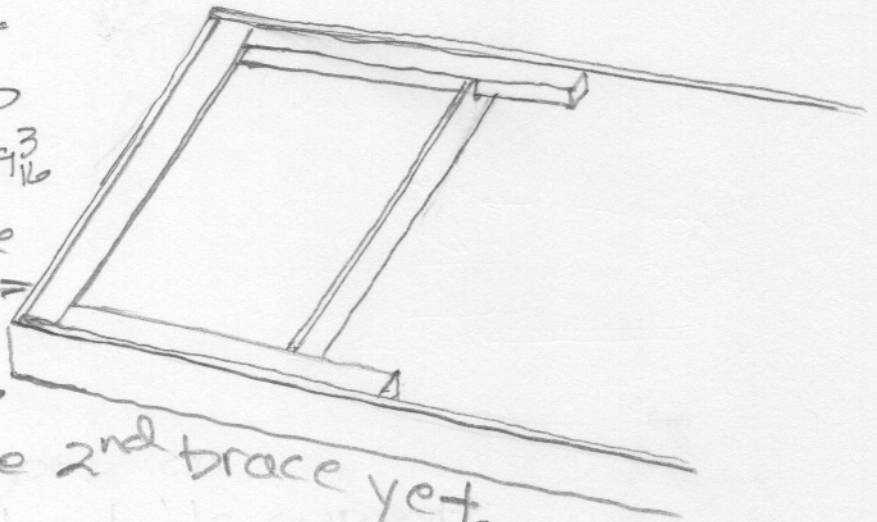
using two legs and two $\square$ 2 1/2" x 29 3/16"
Put the pieces into the table to help
with alignment.

Start with the two
legs and the 2 1/2" x 29 3/16"

$\square$ brace nearest the
table end.

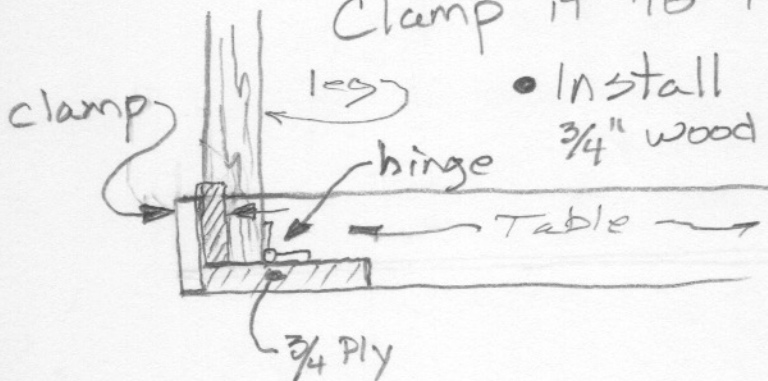
Glue and staple them.

Do not install the 2nd brace yet.



Step 14 Install hinges

- Stand the 3 piece leg assembly up and
Clamp it to the table end support.



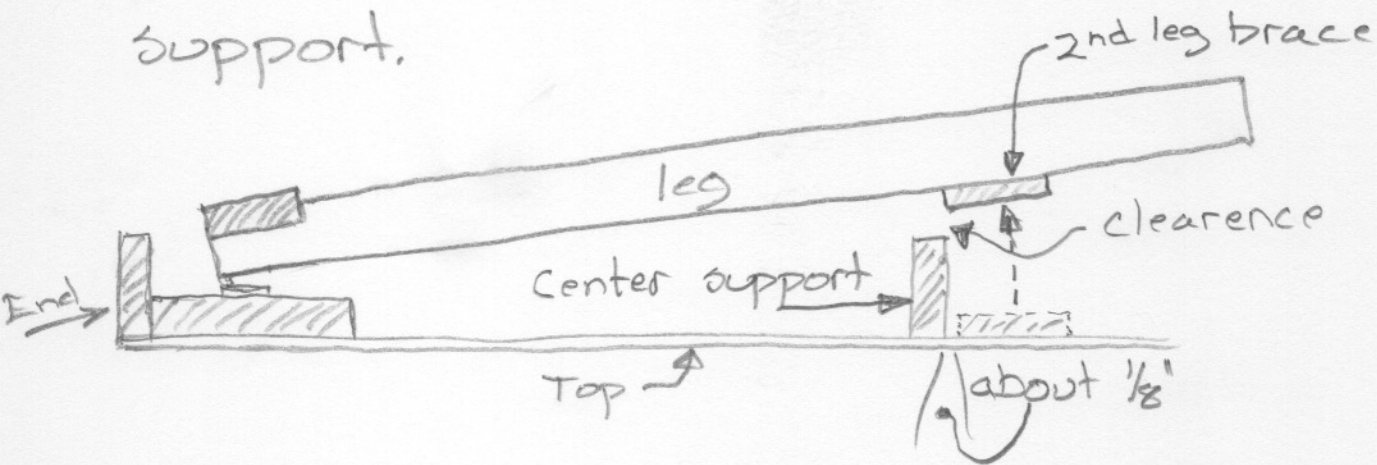
- Install hinge to 3/4 Ply first using
3/4" wood screws. Mark and Pre-drill holes
in legs. Install 3/4" wood screws.

- Repeat for other leg assembly

Step 15 install 2nd leg brace

With 3 piece leg assembly hinged in the folded position, install the 2nd  leg brace.

Clamp the brace in place to leg assembly and ensure that it clears the center table support.

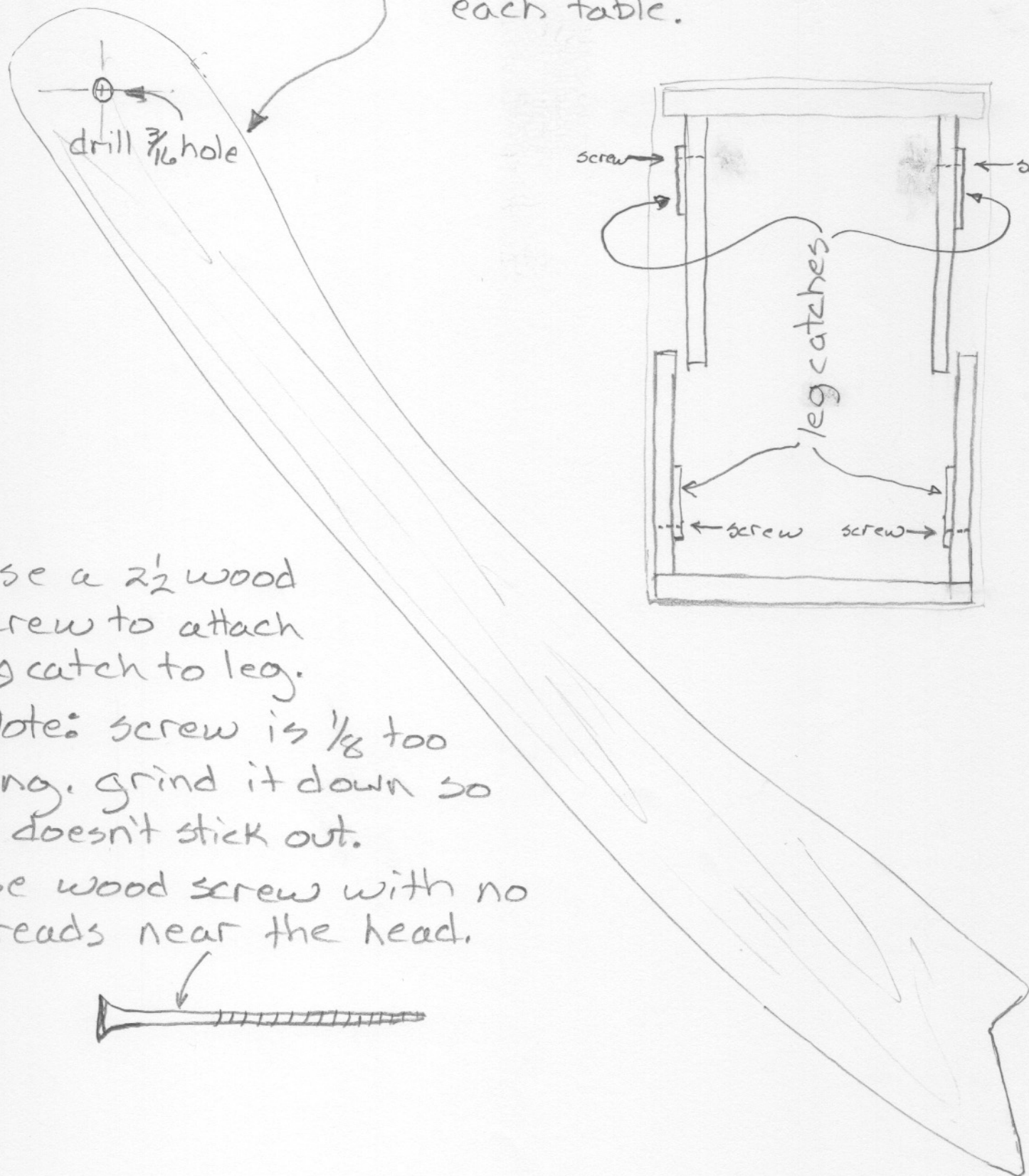


Mark the position then glue and staple.
Repeat for other leg assembly

Step 16 - Install leg locking catch

Cut 4 @ 3" x 12" x $\frac{3}{4}$ " Ply for each table.

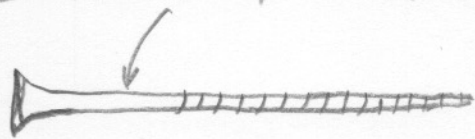
Cut 4 leg catches from $\frac{3}{4}$ solid pine for each table.



Use a 2 $\frac{1}{2}$ wood screw to attach leg catch to leg.

Note: screw is $\frac{1}{8}$ too long. grind it down so it doesn't stick out.

Use wood screw with no threads near the head.



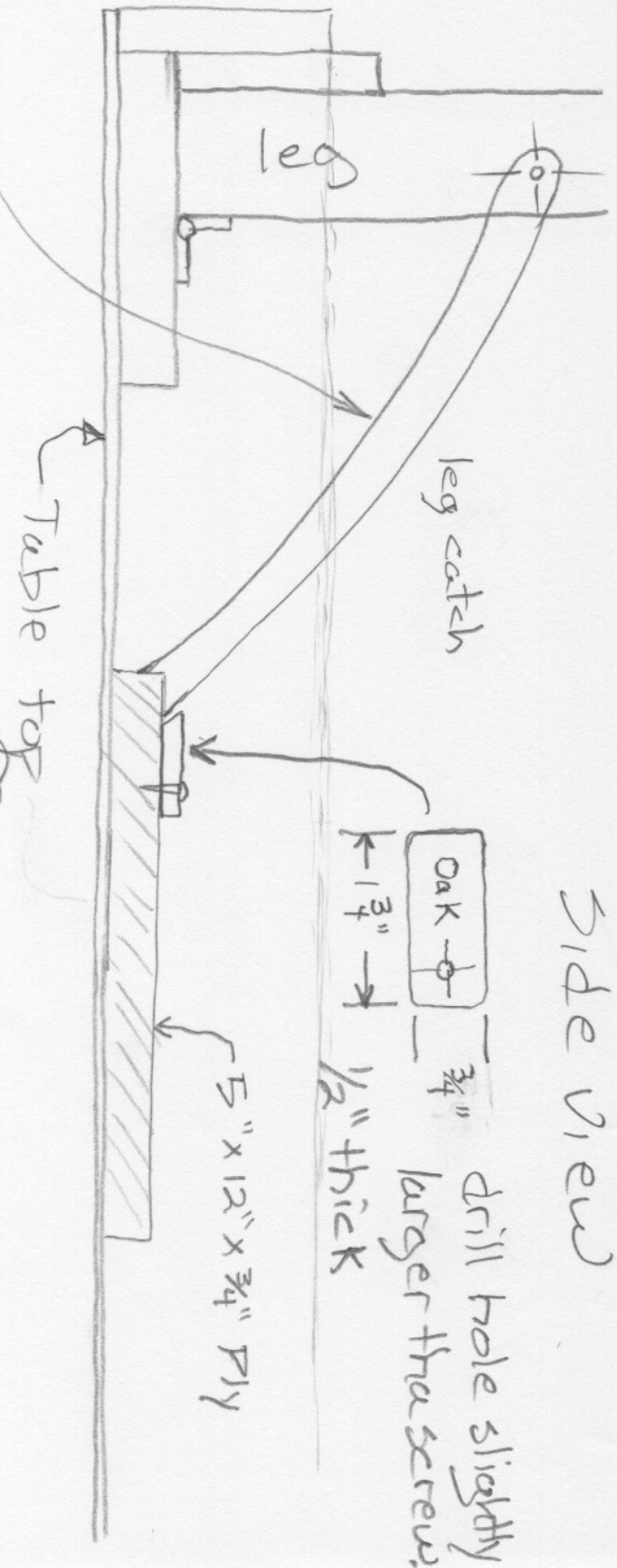
Step 17 install leg catch lock and base

Cut 4 @ 5" x 12" x $\frac{3}{4}$ " Ply for each table

With leg assembly standing up and leg catch in place, slide the $\frac{3}{4}$ " Ply Piece into position until 5 lbs of pressure is achieved, or enough to make the leg catch snug.

Install the catch lock to fit.

Note: screws for leg catch and catch lock may need to be glued to prevent loosening.



Side View

Step 18 Install foam board insulation

In all three areas where underneath side of table top are exposed, cut to fit and glue the foam board. I use $\frac{3}{4}$ inch tongue and groove 4'x8' blue foam board from Home Depot.

If I did not specifically say so, all wood is sanded and sealed with Poly. Apply two final coats of Poly to top when finished.