

# DIY Modern Wood Desk

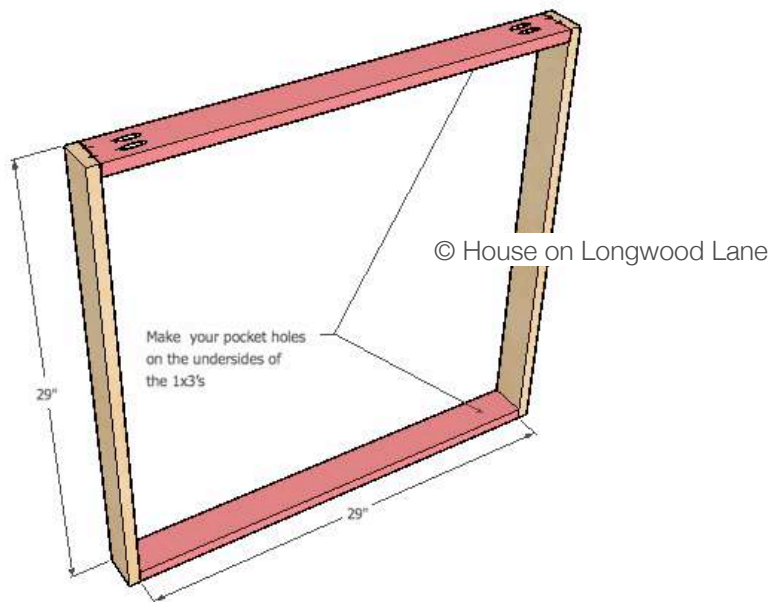
By Kourtnei Leigh [www.houseonlongwoodlane.com](http://www.houseonlongwoodlane.com)

*Please read through the directions before building and use caution when using any type of power tools.*

## Step 1: Make your cuts and prep wood

**Step 1 Directions:** Make your cuts according the the cut list at the bottom of the plans. After making your cuts sand with 120G then 220G sandpaper. Using a miter saw you can make your smaller cuts. To rip your plywood sheets per the cut list use a circular saw with a guide or use a table saw. If available, check with your local home improvement store to see if they can cut the plywood sheets down for you. \*\*In-store cuts are not precise, some cuts may be off.\*\*

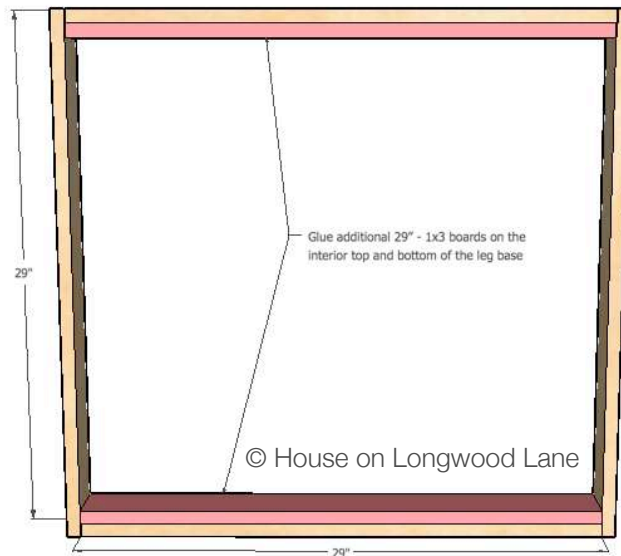
## Step 1: Make your leg base



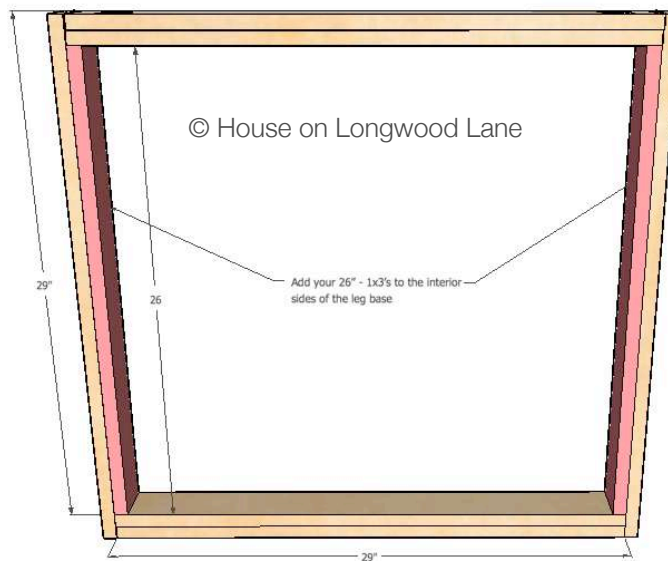
**Step 1 Directions:** Cut your desk leg pieces using a miter saw and the 1x3x8 select pine boards. By cutting all of these pieces at once you can also make all the pocket holes for the leg pieces as well! Cut 4 pieces at 29."

Make your pocket holes using a Kreg Jig! I use the the Kreg Jig K4 and absolutely love it. Set your drill guide to 3/4" thickness and a screw length of 1 1/4". The pocket holes will ONLY go into (2) 29" boards (8) pocket holes total. Your pocket holes will go on the undersides of the boards to hide the pocket holes.

## Step 2: Bulk up leg base



**Step 2 Directions:** Attach (2) additional 1x3 @ 29" boards on the interior top and interior bottom of the leg base. Use wood glue and clamps to hold in place.

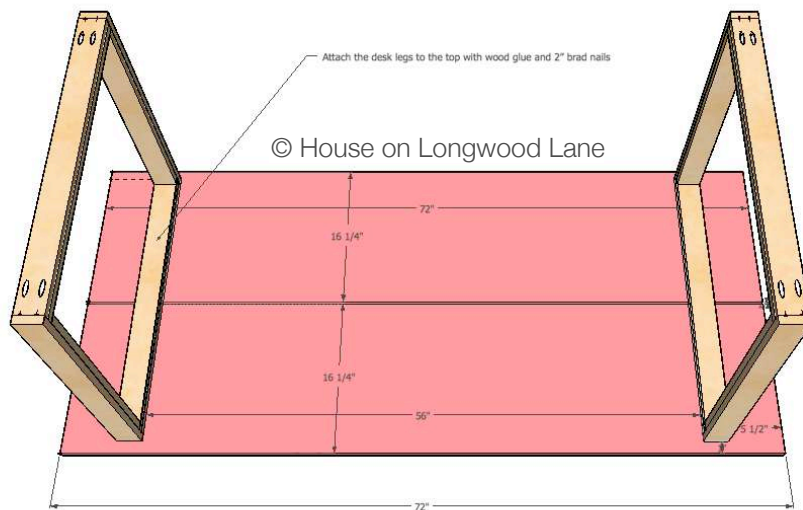


**Step 2b Directions:** Attach (2) 1x3 @ 26" boards on the interior sides of the leg base. Use wood glue and clamps to hold in place.



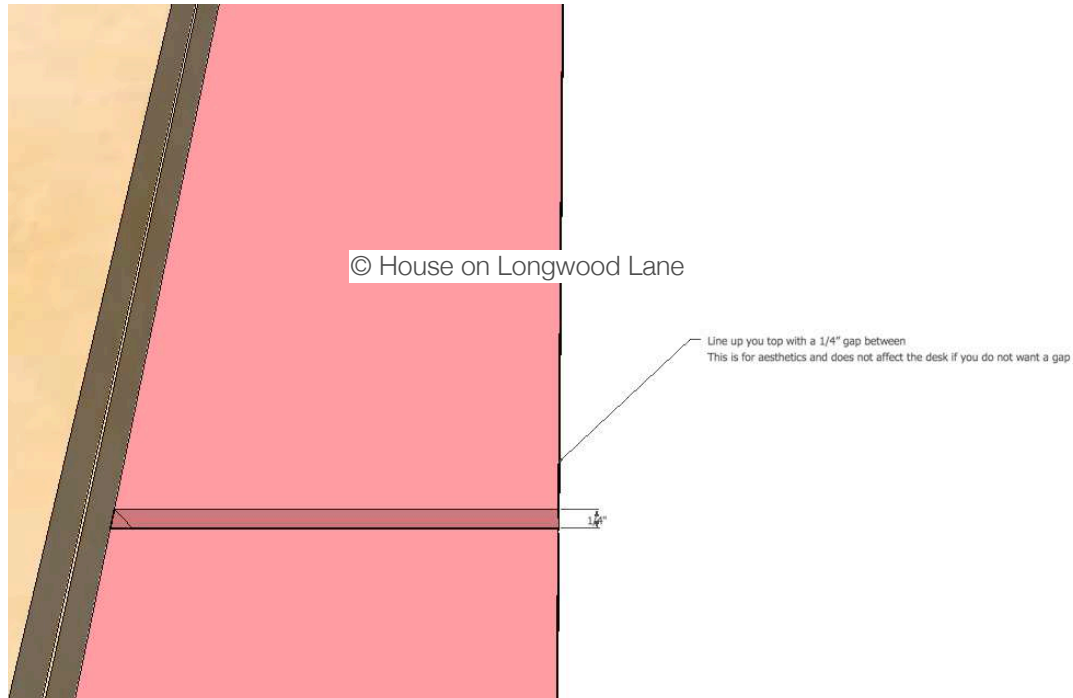
**Step 2c Directions (Optional):** If you want there to be no seams and to look like seamless 2x3's use stainable wood filler in the seams and sand till flush.

### Step 3: Attach leg bases to desk top

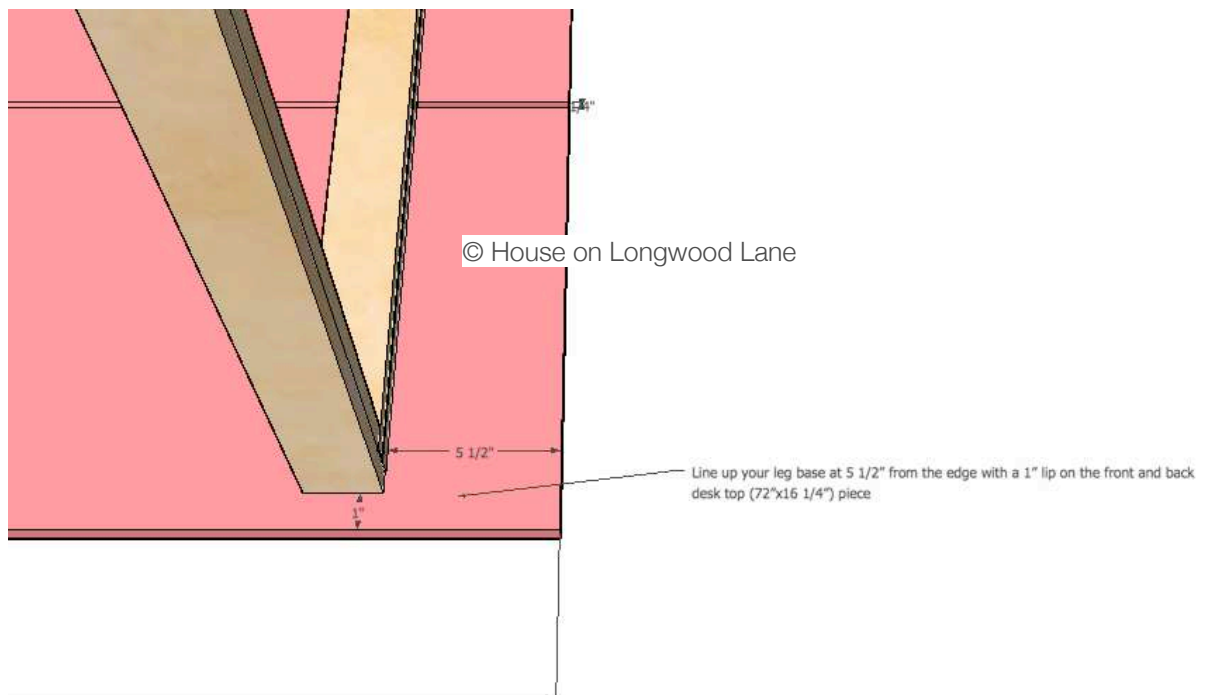


**Step 3 Directions :** Lay your (2) plywood sheets @ 72" x 16 1/4" on a flat surface. Mount your desk legs with 2" brad nails or 2" wood screws. *\*I used brad nails and came back with 2 wood screws later in each leg base\**

*TIP: If you are putting this desk in a small area, move your pieces into the room separately and assemble in the desired room.*

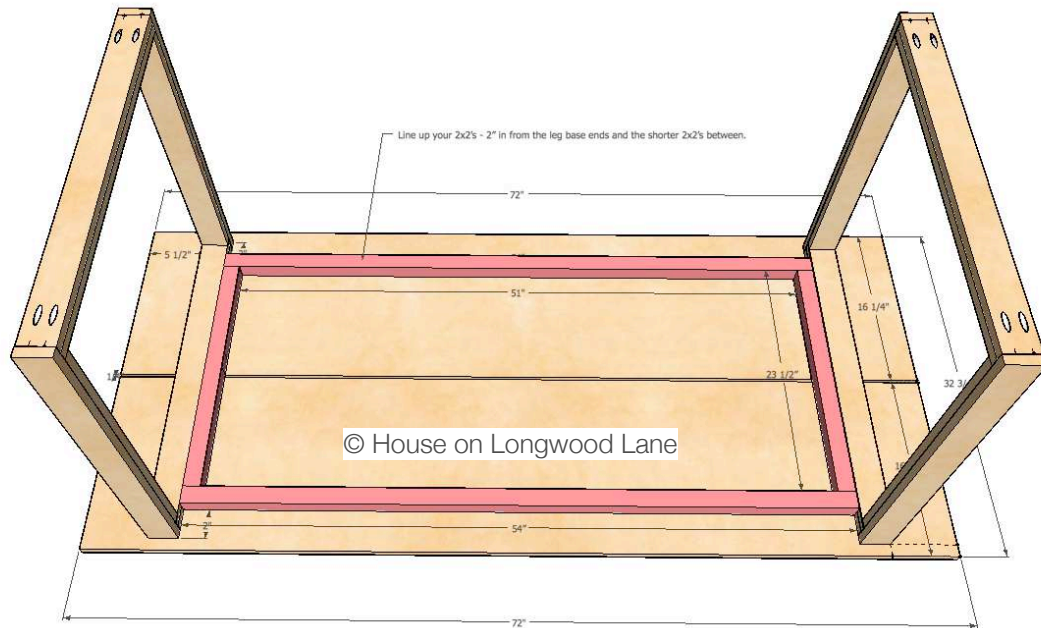


**Step 3b Directions:** Line up your plywood sheets @ 72"x 16 1/4" at 1/4" gap between. This is for aesthetics and does not effect the desk if you do not wish to have this design element.

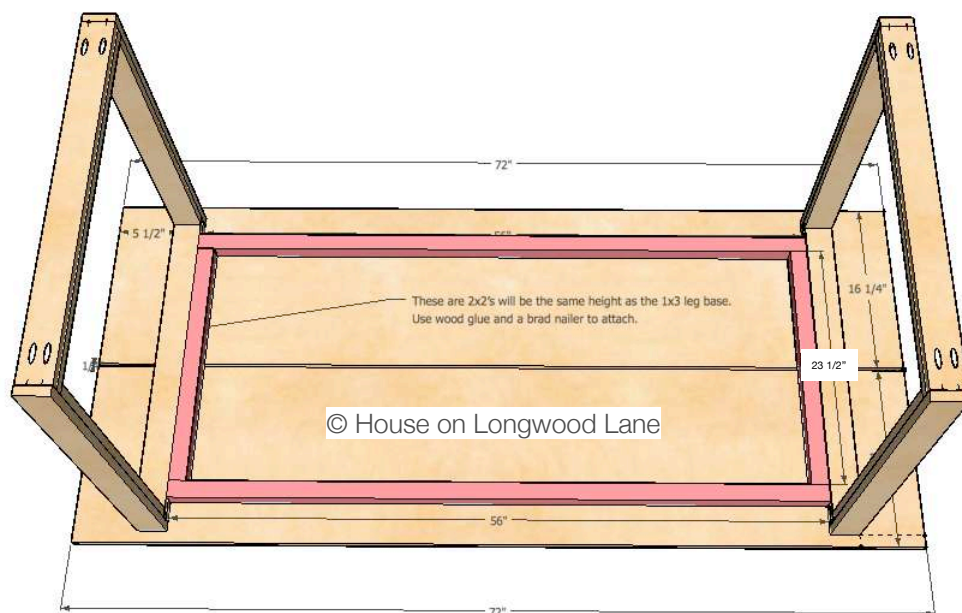


**Step 3c Directions:** Line up your desk leg bases at 5 1/2" from the edge with a 1" lip on the front and back desk top piece.

## Step 4: Stabilizing desk frame

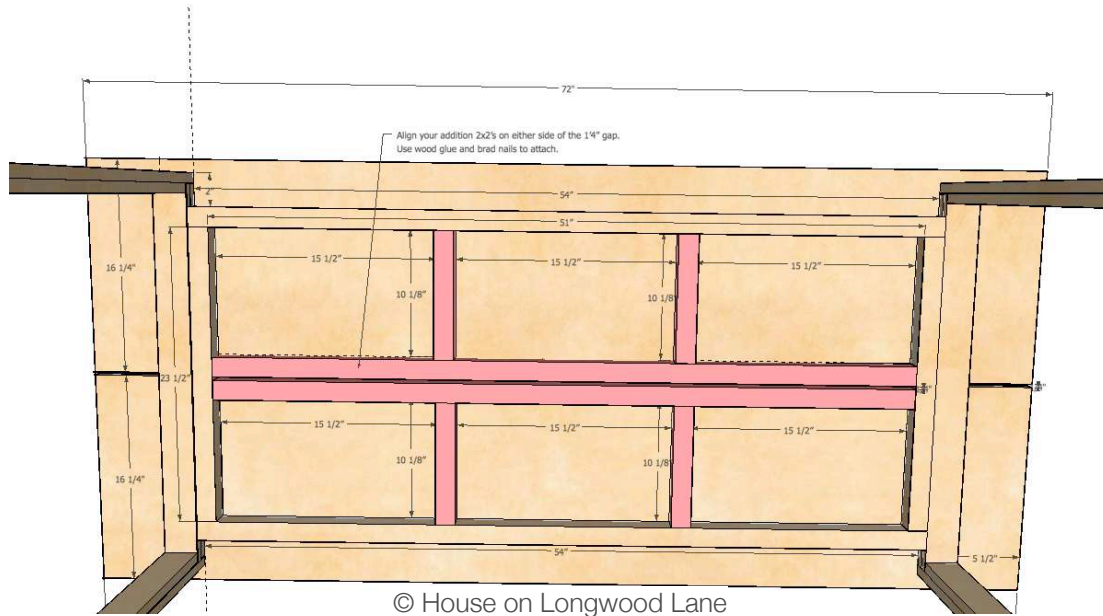


**Step 4 Directions:** Line up your (2) 2x2's @ 54" at 2" in from the edge of the leg base. The (2) 2x2's @ 23 1/2" pieces should fit snug in-between. Use wood glue and 2" brad nails to secure to underside of desk top.



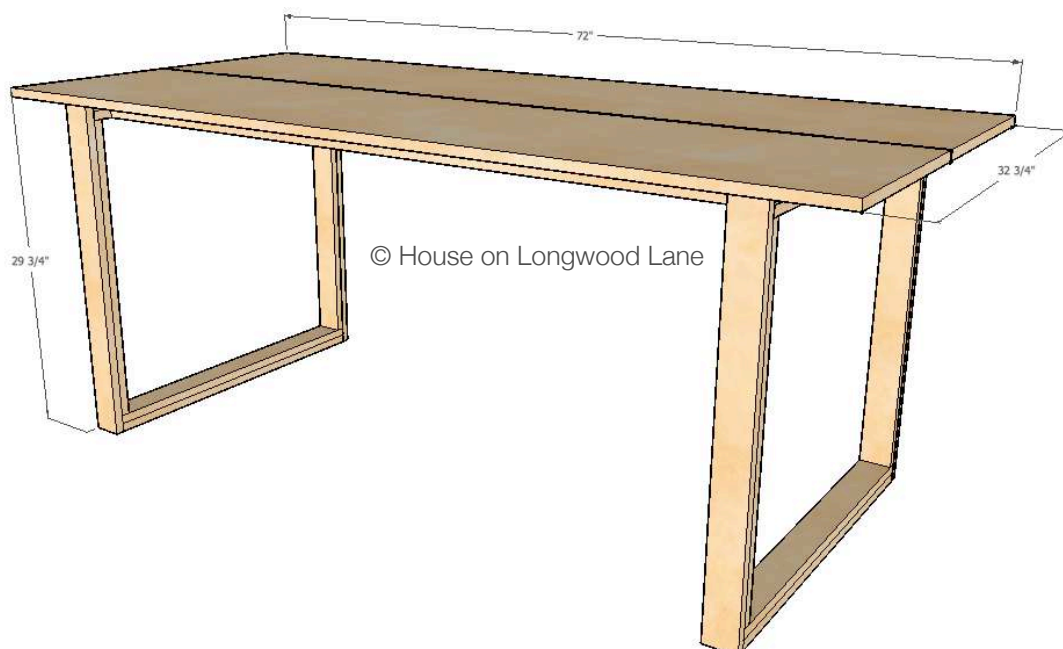
**Step 4b Directions:** These 2x2's will be the same height as the stacked 1x3 leg base.

## Step 5: Underside Cross Desk Supports



**Step 5 Directions:** Line up (2) 2x2's @ 51" on either side of the 1/4" gap. Put (4) 2x2's @ 10 1/8" should fit 15 1/2" apart from each other and the 2x2 @ 23 1/2." Use wood glue and 2" brad nails to secure.

## Step 6: Iron On Plywood Edge banding



**Step 9 Directions:** Flip the desk right side up and Iron on your birch plywood edge banding with a standard iron. Follow the label directions. The plywood is 3/4" so your edge banding should be 3/4" birch edge banding.

## Step 10: Stain Desk

**Step 10 Directions:** The table should be sanded prior to fully assembling all there's left to do is stain!

## SHOPPING LIST :

- 4 - 2x2 @ 8 FT furring strip board
- 16 - 1 1/4" Kreg screws
- 6 - 1x3 @ 8 FT select pine
- 1 - 1x3 @ 6 FT select pine
- 1 - 4x8 sheet birch plywood
- 120 and 220 grit sand paper
- Buffer Pad
- Wiping Cloths
- Staining Sponge
- Varathane 8oz in Flagstone

## TOOLS :

Tape Measure  
Wood Glue  
Pencil  
Safety Glasses  
Ear Protection  
Mask  
Miter Saw and Circular Saw or Table Saw  
Sander  
Kreg Jig  
Brad Nailer  
Power Drill

## CUT LIST :

10 - 1x3 @ 8FT cut at 29"  
4 - 1x3 @ 8FT cut at 26"  
2 - 2x2 @ 8FT cut at 54"  
2 - 2x2 @ 8FT cut at 23 1/2"  
2 - 2x2 @ 8FT cut at 51"  
4 - 2x2 @ 8FT cut at 10 1/8"  
1 - 4x8 @ 8FT cut at (2) 72" L x 16 1/4" W

## SKILL LEVEL :

Moderate Beginner

## **PROJECT COST:**

\$90 - \$140 (cost may vary with some supplies already on hand)

Let me know if you have any questions about anything building wise or product questions! I'm an open book :)

For more behind the scenes on all of our DIY and home projects be sure to follow along on instagram: @kourtnileigh. To see all of our inspo and upcoming projects be sure to follow along on pinterest @houseonlongwoodlane

XO Kourtnei