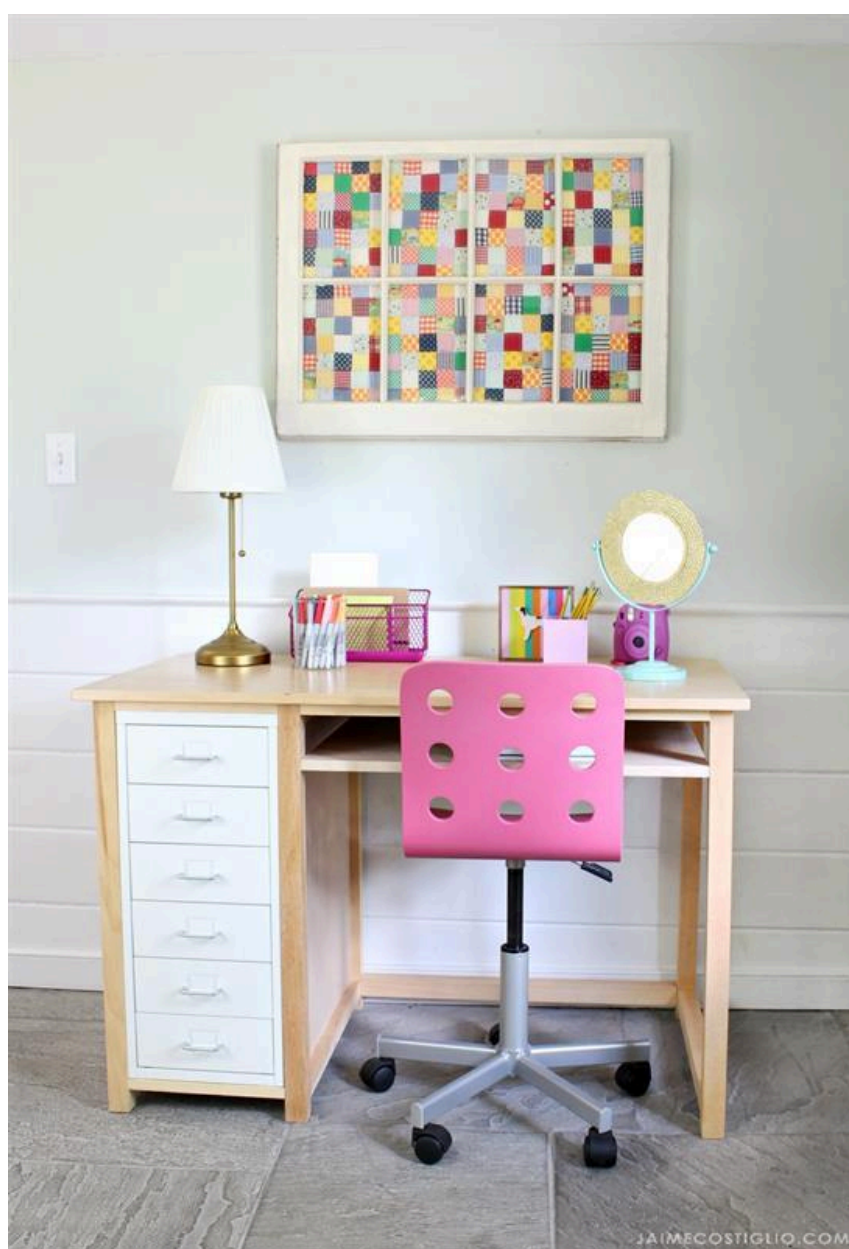


# Wood and Metal Desk

By **Jaime Costiglio**

Difficulty  
Moderate

A work surface and organized storage, what more could you ask for?! Build a wood desk frame and incorporate metal drawers for storage and functionality. Take a metal tower of drawers and build it into a wood desk frame, it's a beautiful combination that's suitable for kids and adults.





# Tools

## Kreg Tools



## Other Tools

- Circular Saw (cordless)
- Miter Saw
- Tape Measure
- Drill (cordless)
- Nail Gun
- Sander

# Materials

## Wood Products

- 1 Plywood , 3/4" Thick , Full Sheet
- 1 Plywood , 1/4" Thick , Quarter Sheet
- 4 Board , 2x2 , 96"
- 1 Board , 1x2 , 96"

## Hardware & Supplies

- 48 2 1/2" Pocket Hole Screws
- 24 1 1/4" Pocket Hole Screws
- 6 2" Wood Screws
- 4 1/2" Lath Screws
- 12 1 1/4" Finish Nails



# Cut List & Parts

- 6 Legs , 2 X 2 @ 29 1/4"
- 6 Side Frames Top / Bottom , 2 X 2 @ 19 3/4"
- 2 Side Panels , 3/4" X 19 3/4" X 24 5/8"
- 4 Short Cross Supports , 1 X 2 @ 11 1/8"
- 2 Back Long Cross Supports , 2 X 2 @ 26 3/8"
- 1 Front Long Cross Support , 1 X 2 @ 26 3/8"
- 1 Top , 3/4" X 24" X 44"
- 1 Shelf Ledge , 3/4" X 26 3/8" X 22 3/4"
- 1 Backing , 1/4" X 14" X 27 1/4"

# Directions

1

## Dimensions

44" w x 24" d x 30" h



**WOOD & METAL DESK  
DIMENSIONS**

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## Step 1

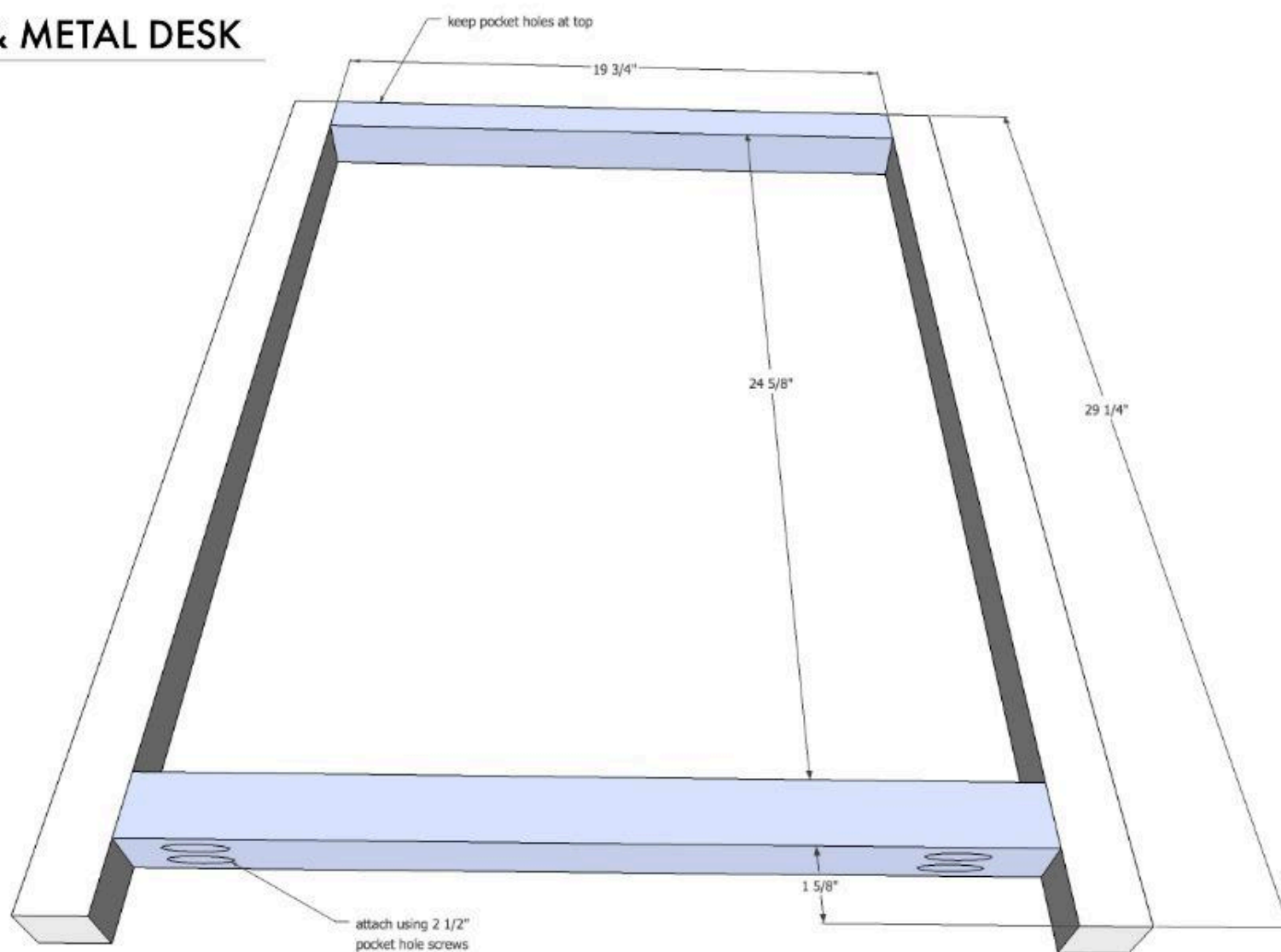
Step 1: Make the side frames. Attach the horizontal piece to the legs using wood glue and 2 ½" pocket hole screws.

Make 3.

## WOOD & METAL DESK

### STEP 1

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## Step 2

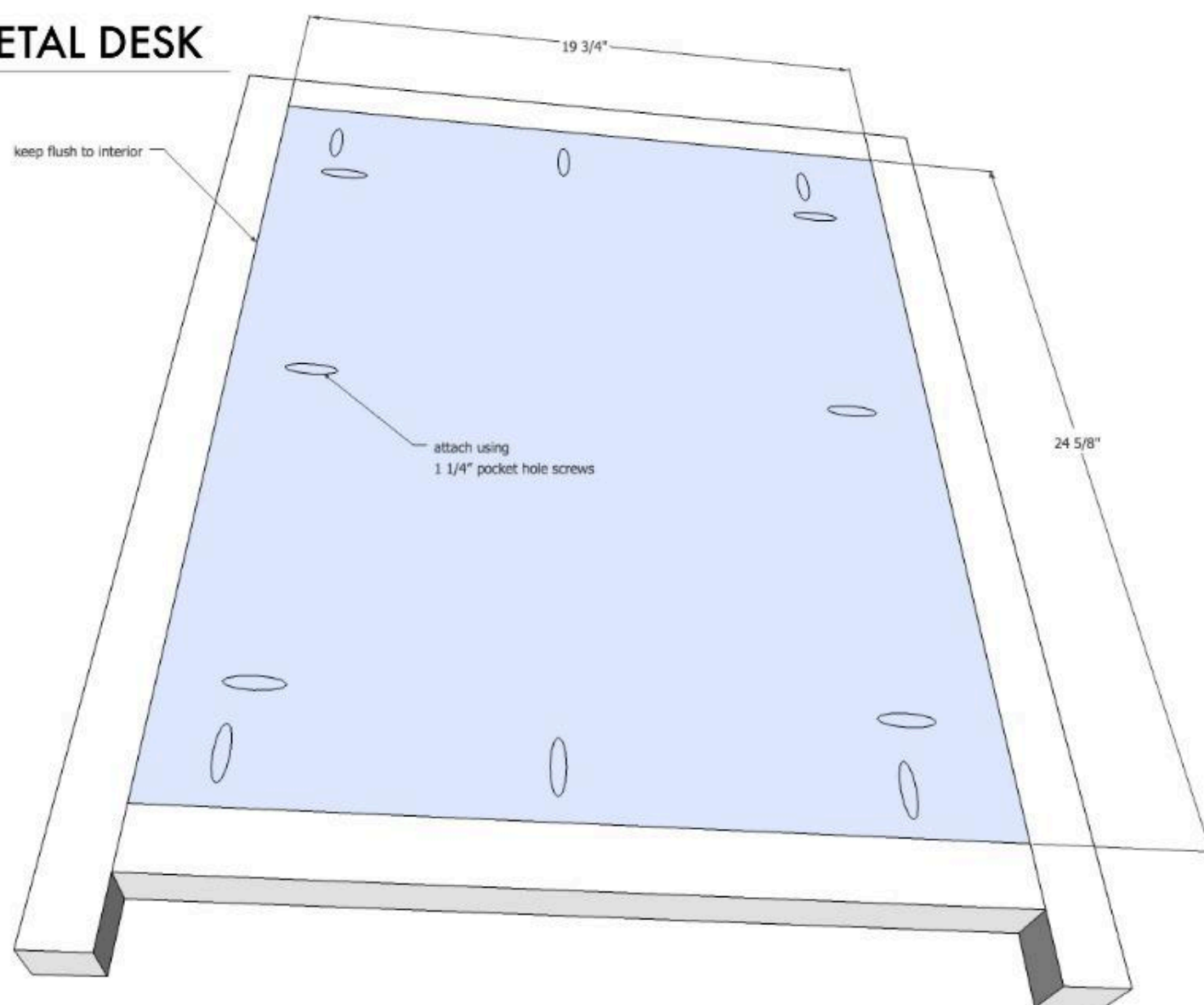
Step 2: Make the side panels. Attach the side panel wall to the frame using wood glue and 1 1/4" pocket hole screws.

Make 2.

## WOOD & METAL DESK

### STEP 2

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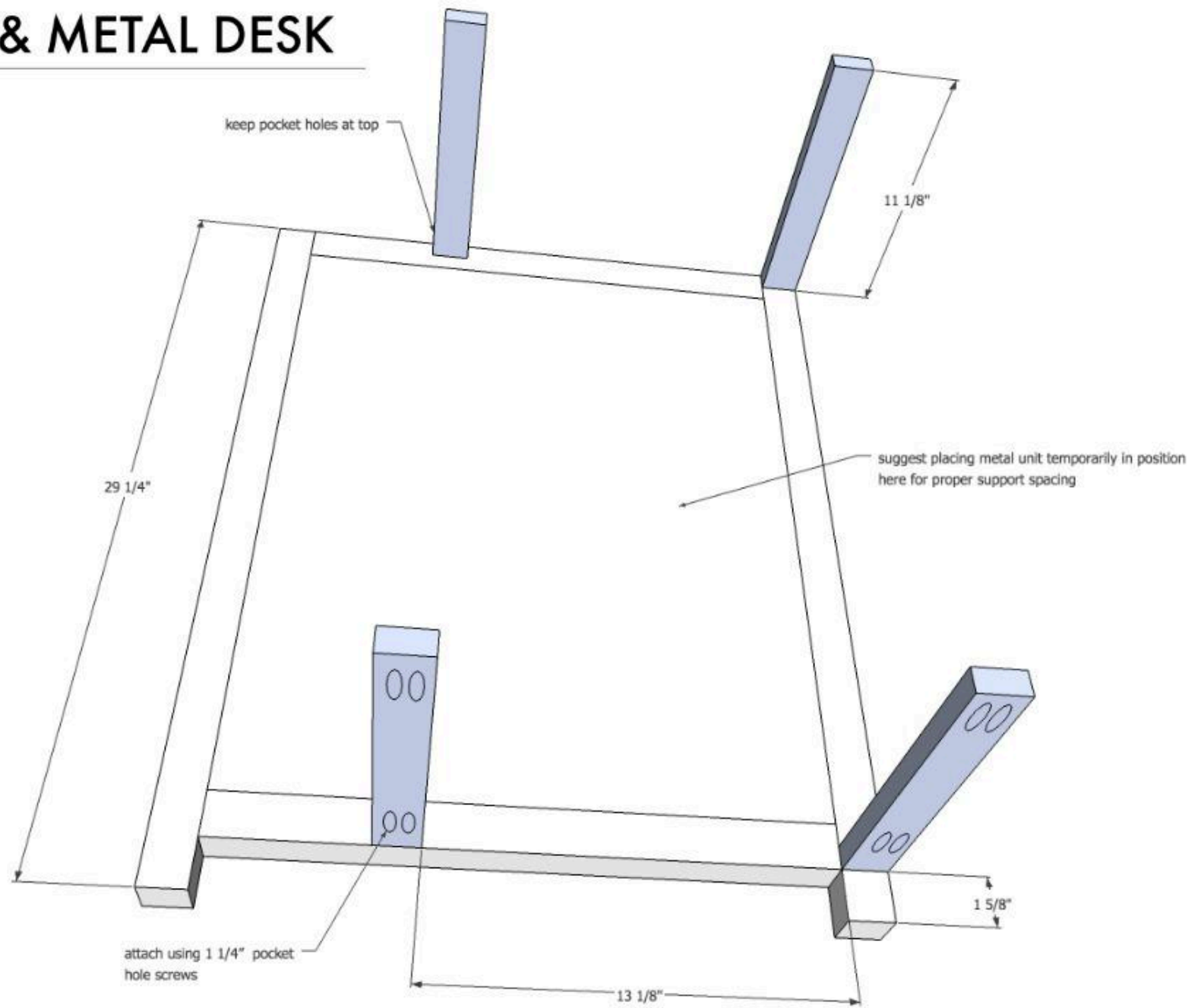
### Step 3

Step 3: Attach the short cross supports to the interior side of one wall panel. I suggest placing the metal drawer unit temporarily in position to ensure proper spacing.

## WOOD & METAL DESK

### STEP 3

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## Step 4

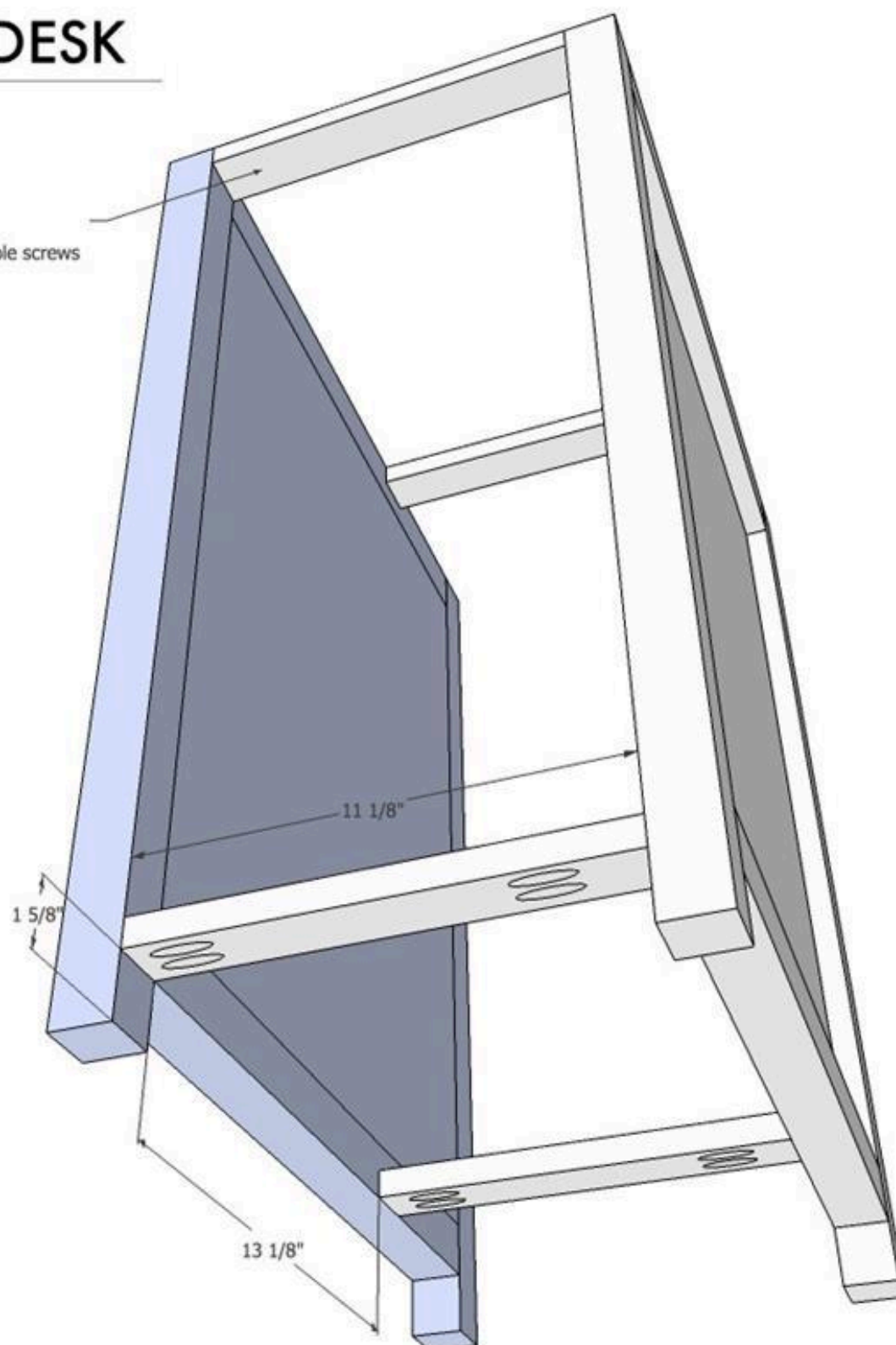
Step 4: Attach the other side wall panel to the cross supports using 1 1/4" pocket hole screws.

# WOOD & METAL DESK

## STEP 4

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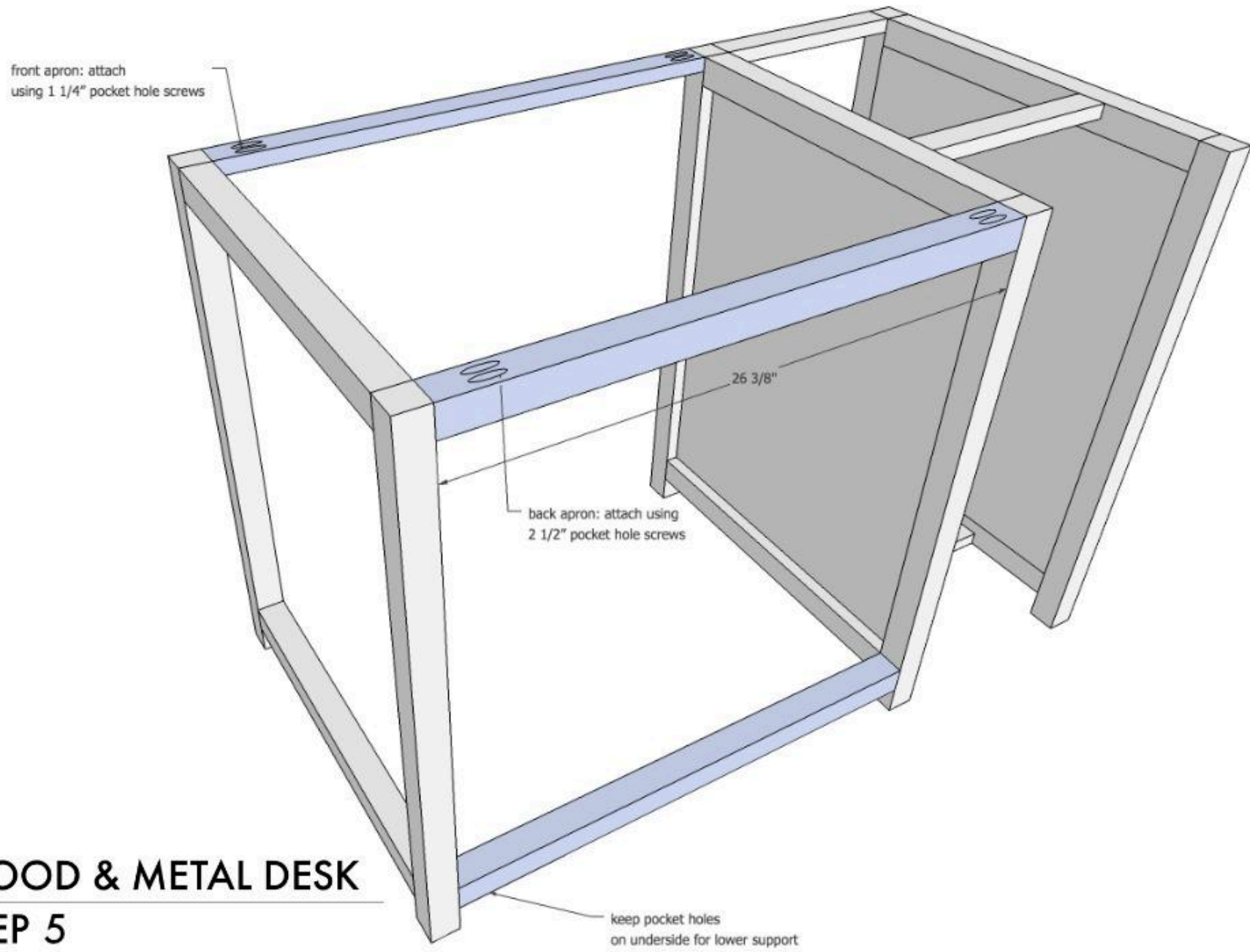
attach using  
1 1/4" pocket hole screws



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## Step 5

Step 5: Construct the desk base by attaching the long cross supports from the open frame to the side wall panel.



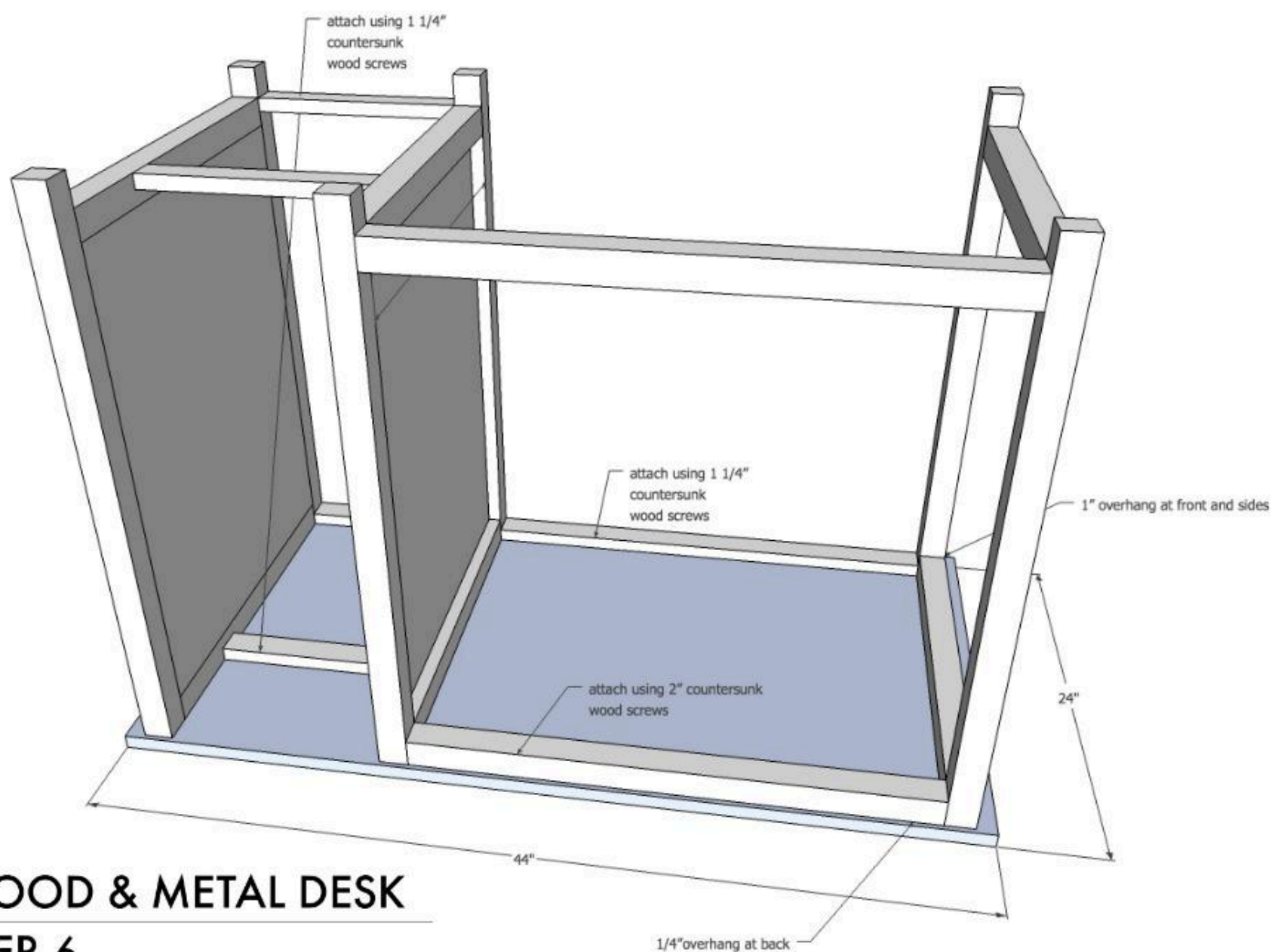
## WOOD & METAL DESK STEP 5

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## Step 6

Step 6: Attach the desk top the frame using countersunk screws.



## WOOD & METAL DESK STEP 6

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**8****Step 7**

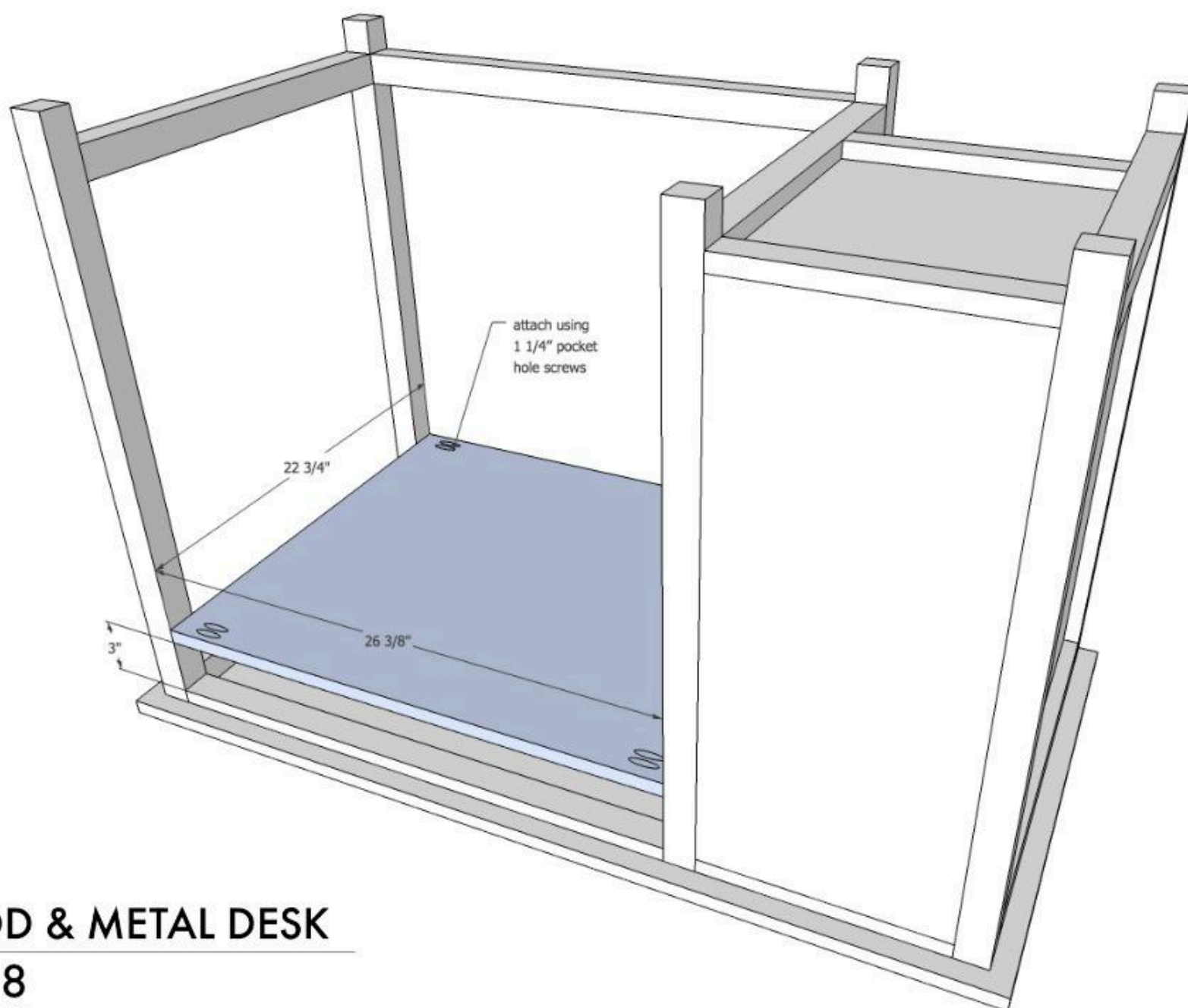
Step 7: Insert the metal drawer unit frame and attach using ½" lath screws at all four corners.



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## Step 8

Step 8: Attach the open shelf ledge to the legs using 1 1/4" pocket hole screws.



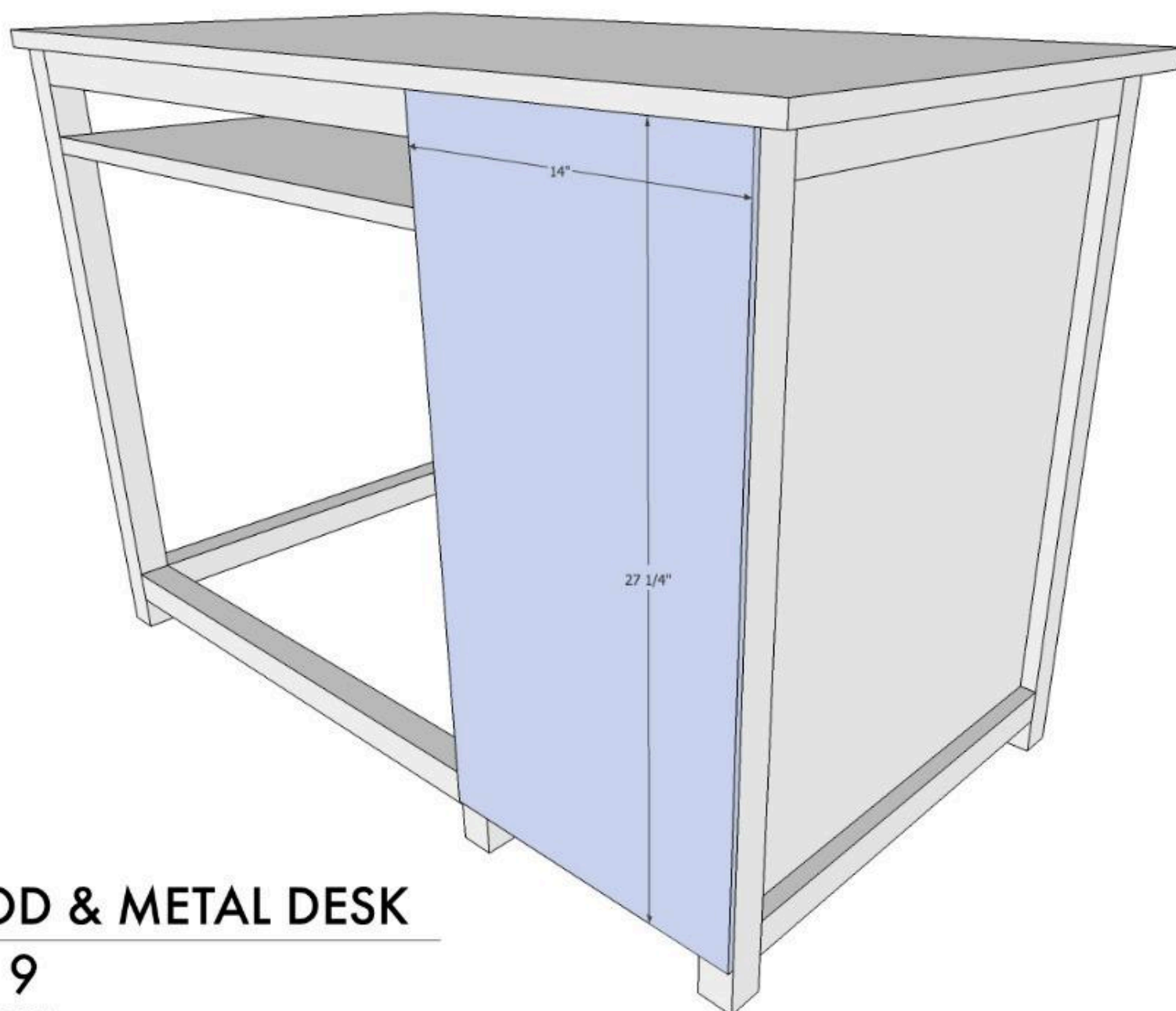
## WOOD & METAL DESK STEP 8

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**10****Step 9**

Step 9: Attach the backing to the frame using 1 1/4" finish nails.



## WOOD & METAL DESK

### STEP 9

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