Wood and Metal Desk

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.










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Tools

Kreg Tools



Accu-Cut™



Kreg® Pocket-Hole Jig 720

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 ¾” 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**

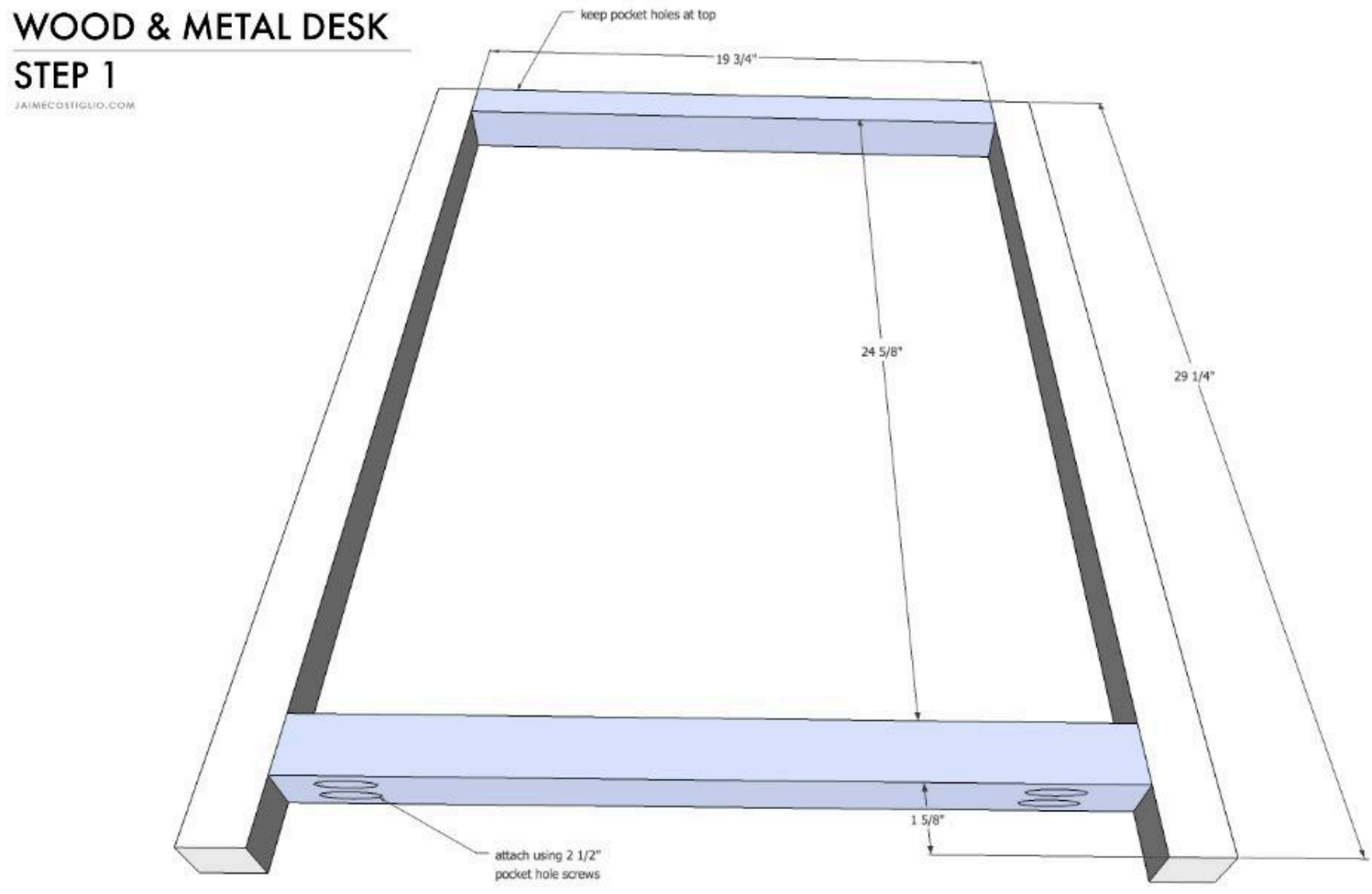
44"w x 24"d x 30"h



2 Step 1

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

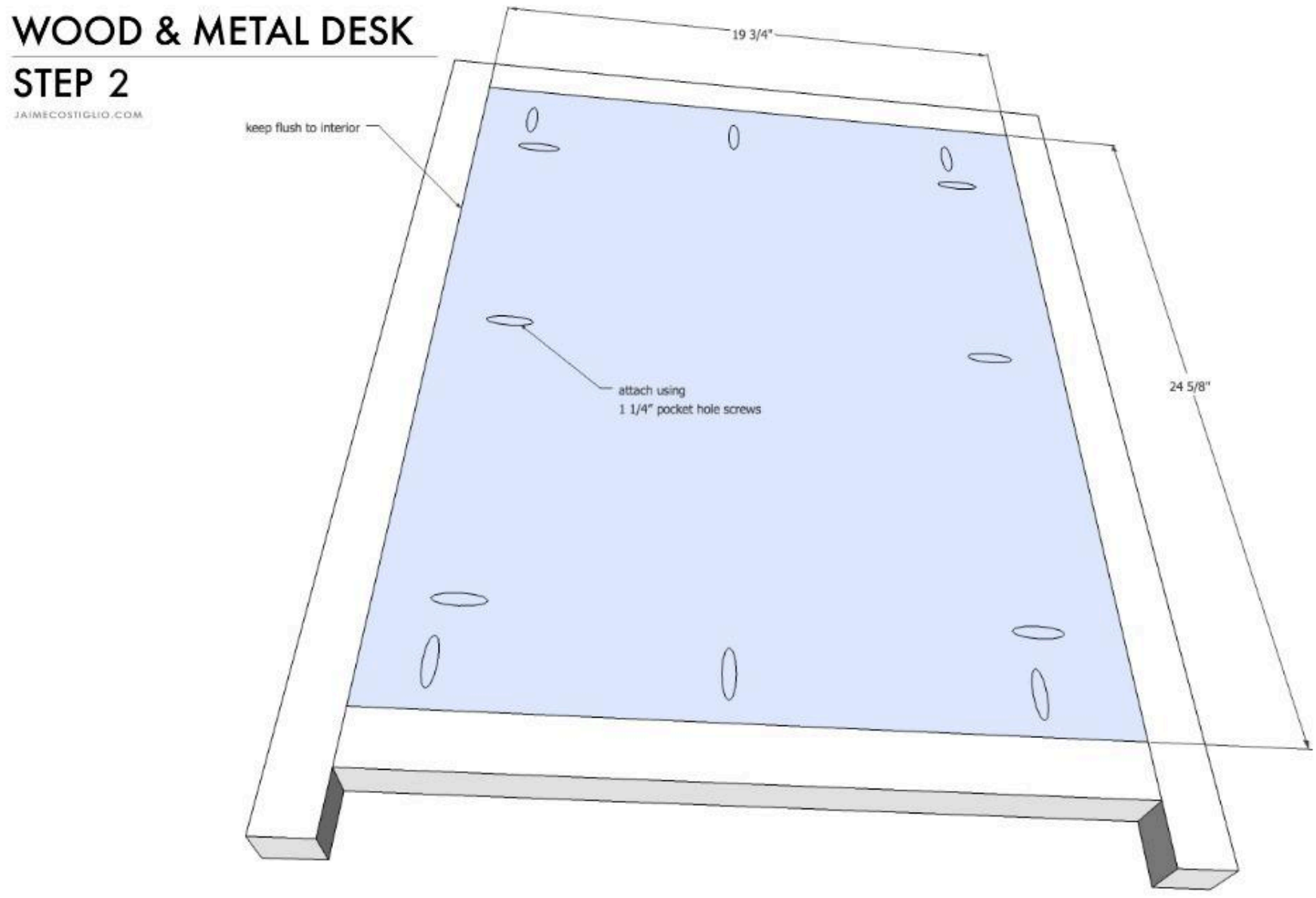
Make 3.



3 Step 2

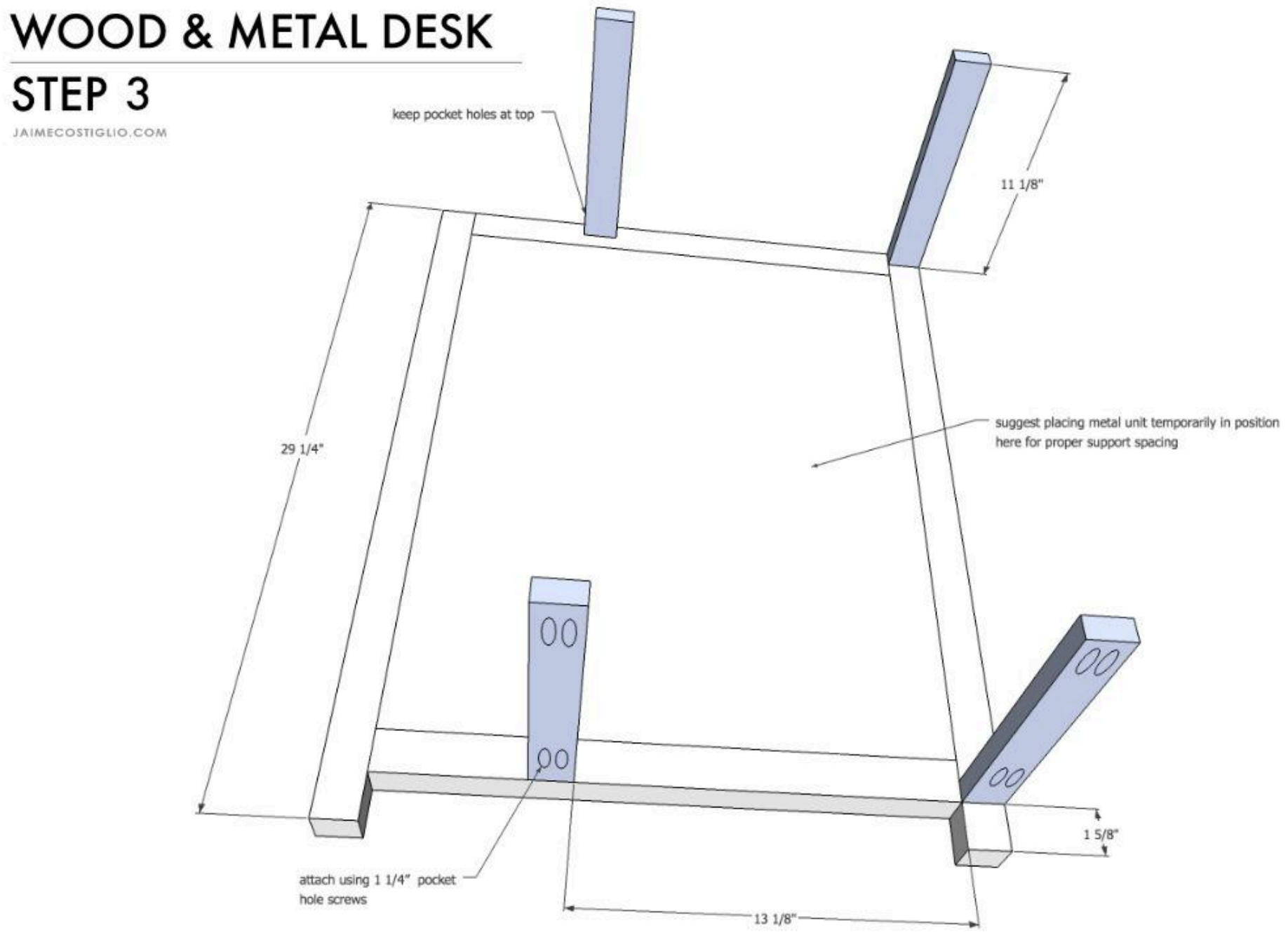
Step 2: Make the side panels. Attach the side panel wall to the frame using wood glue and 1 ¼” pocket hole screws.

Make 2.



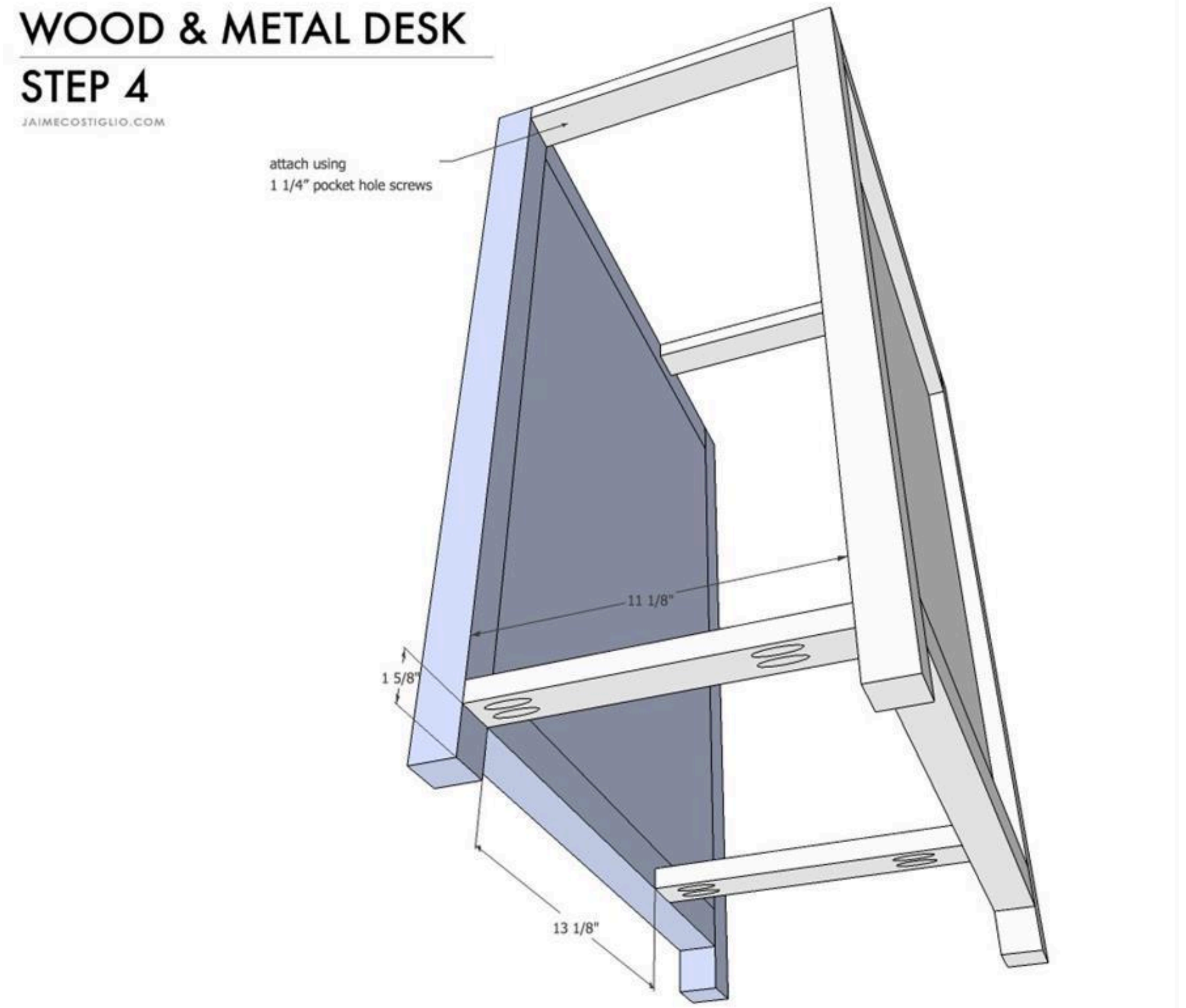
4 Step 3

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.



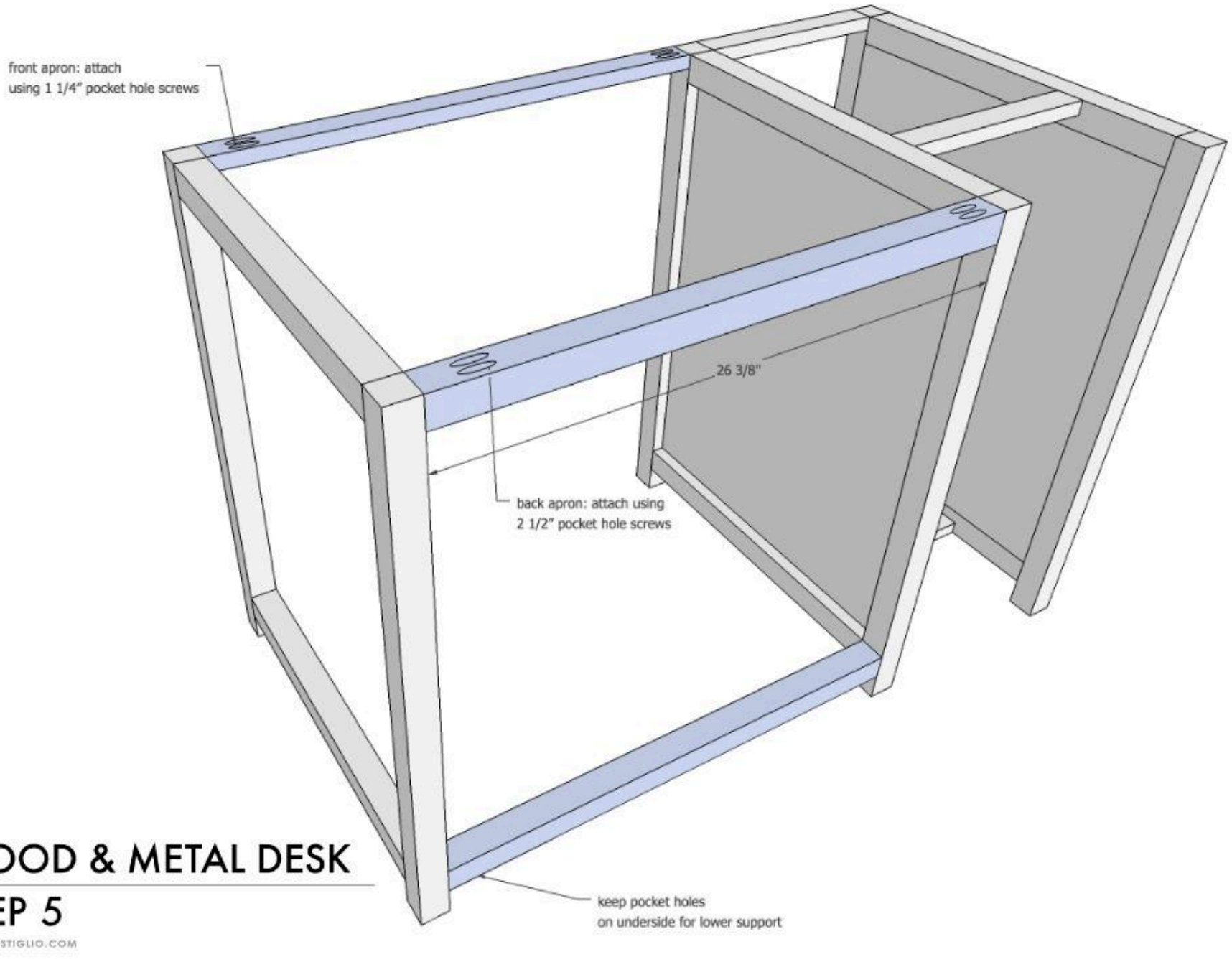
5 Step 4

Step 4: Attach the other side wall panel to the cross supports using 1 ¼” pocket hole screws.



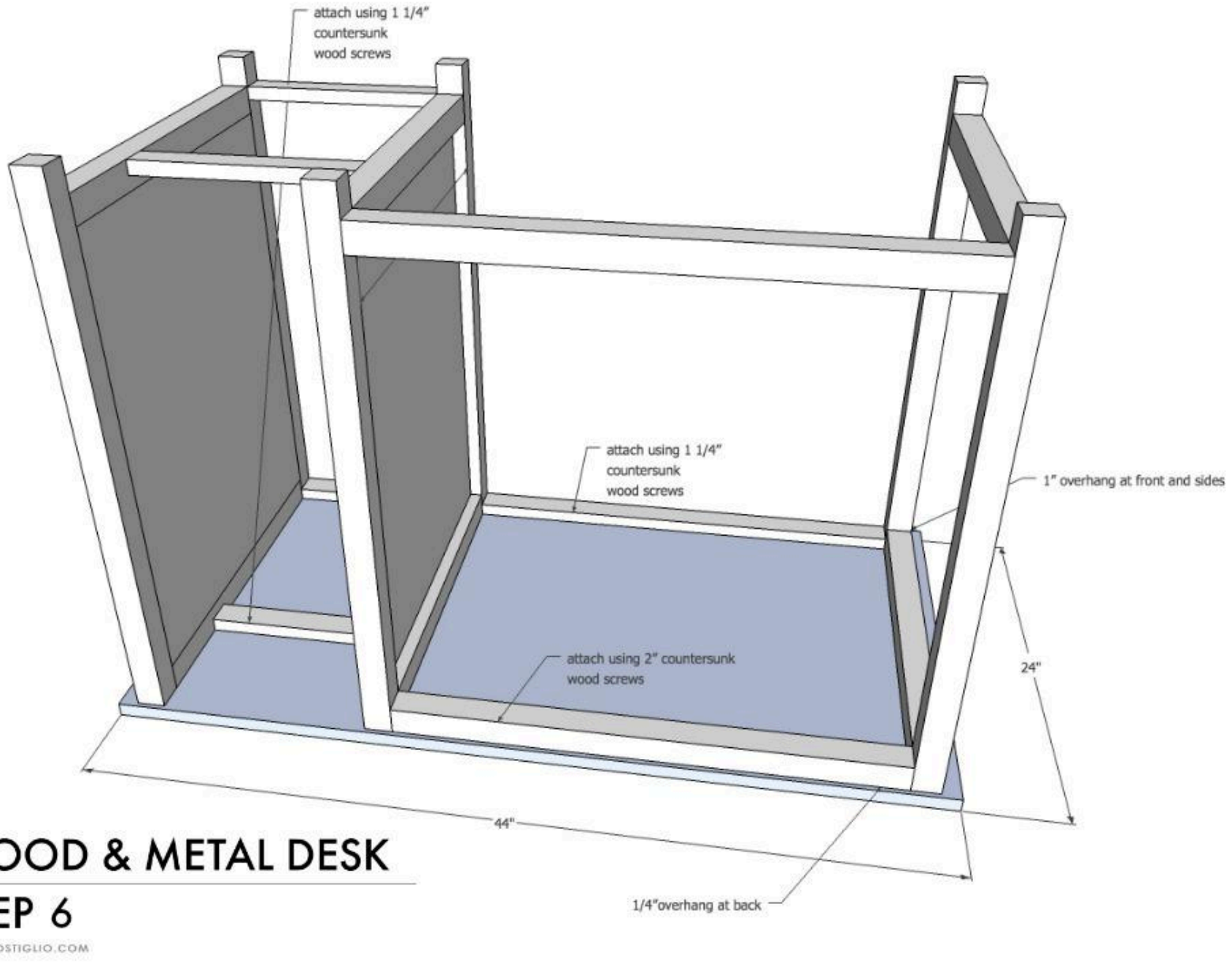
6 Step 5

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



7 Step 6

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



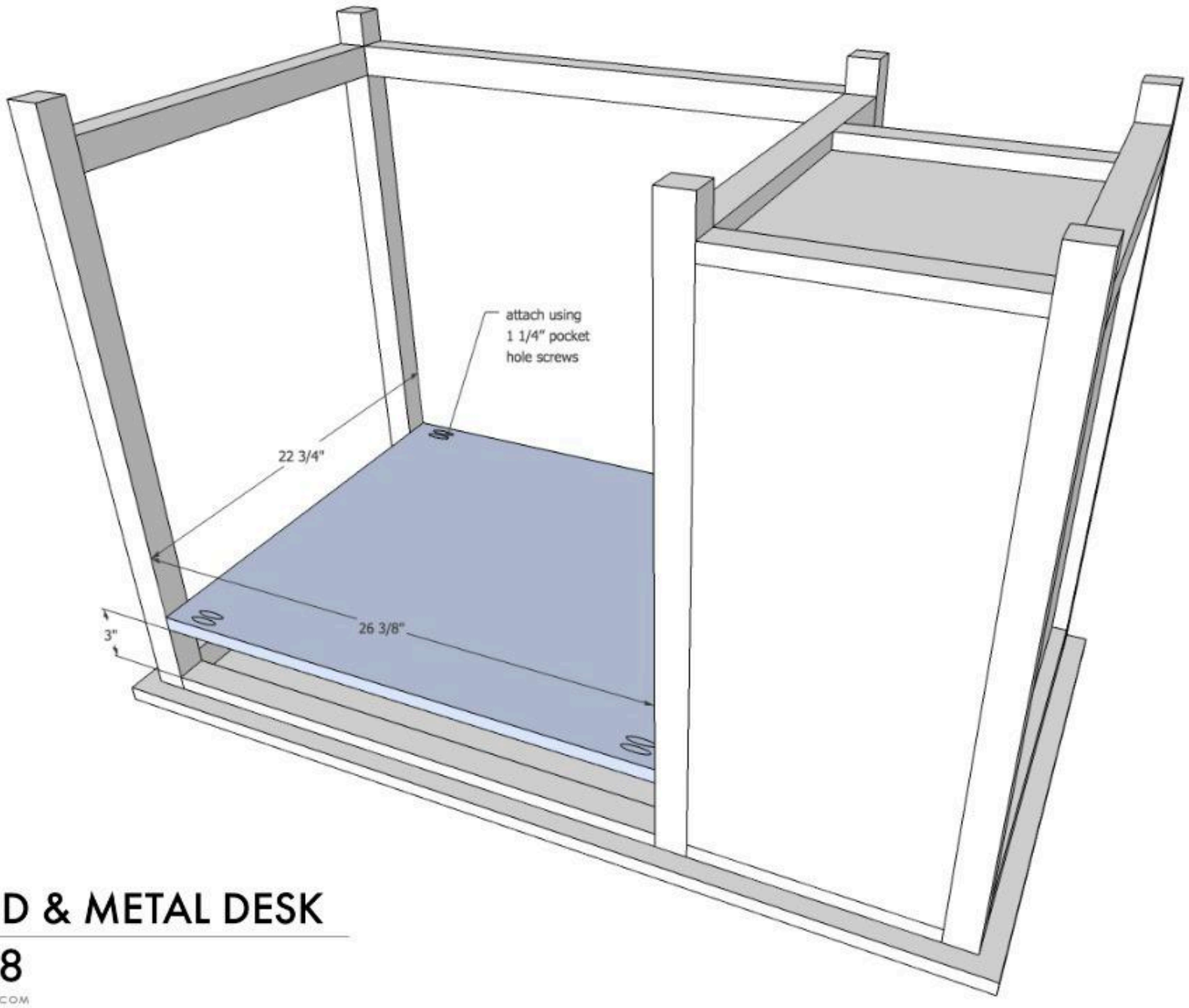
8 Step 7

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



9 Step 8

Step 8: Attach the open shelf ledge to the legs using 1 ¼” pocket hole screws.



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Step 9

Step 9: Attach the backing to the frame using 1 ¼” finish nails.

