

work table with storage

By **Jaime Costiglio**

Difficulty

Advanced

Looking for a multipurpose work table that also doubles as extra dining space during family gatherings? Or a great homeschool work surface with dedicated storage. Or a craft table? With 22 drawers and 4 open shelves there's plenty of storage space and bonus hidden power in the top surface.





Tools

Kreg Tools



Other Tools

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

Materials

Wood Products

- 8 Board , 2x3 , 96"
- 2 Plywood , 3/4" Thick , Full Sheet
- 5 Board , 1x4 , 96"
- 7 Board , 1x6 , 96"
- 10 Board , 1x3 , 96"
- 1 Plywood , 1/4" Thick , Full Sheet
- 1 Plywood , 1/4" Thick , Quarter Sheet
- 7 Board , 1x2 , 96"
- 1 Board , 2x2 , 120"

Hardware & Supplies

- 100 1.25" Pocket Hole Screws
- 50 2 1/2" Pocket Hole Screws
- 50 2" Pocket Hole Screws
- 100 1.25" Wood Screws
- 100 3/4" Finish Nails
- 22 14" Bottom Mount Drawer Glides
- 8 Corner Braces Or Steel Angles

Cut List & Parts

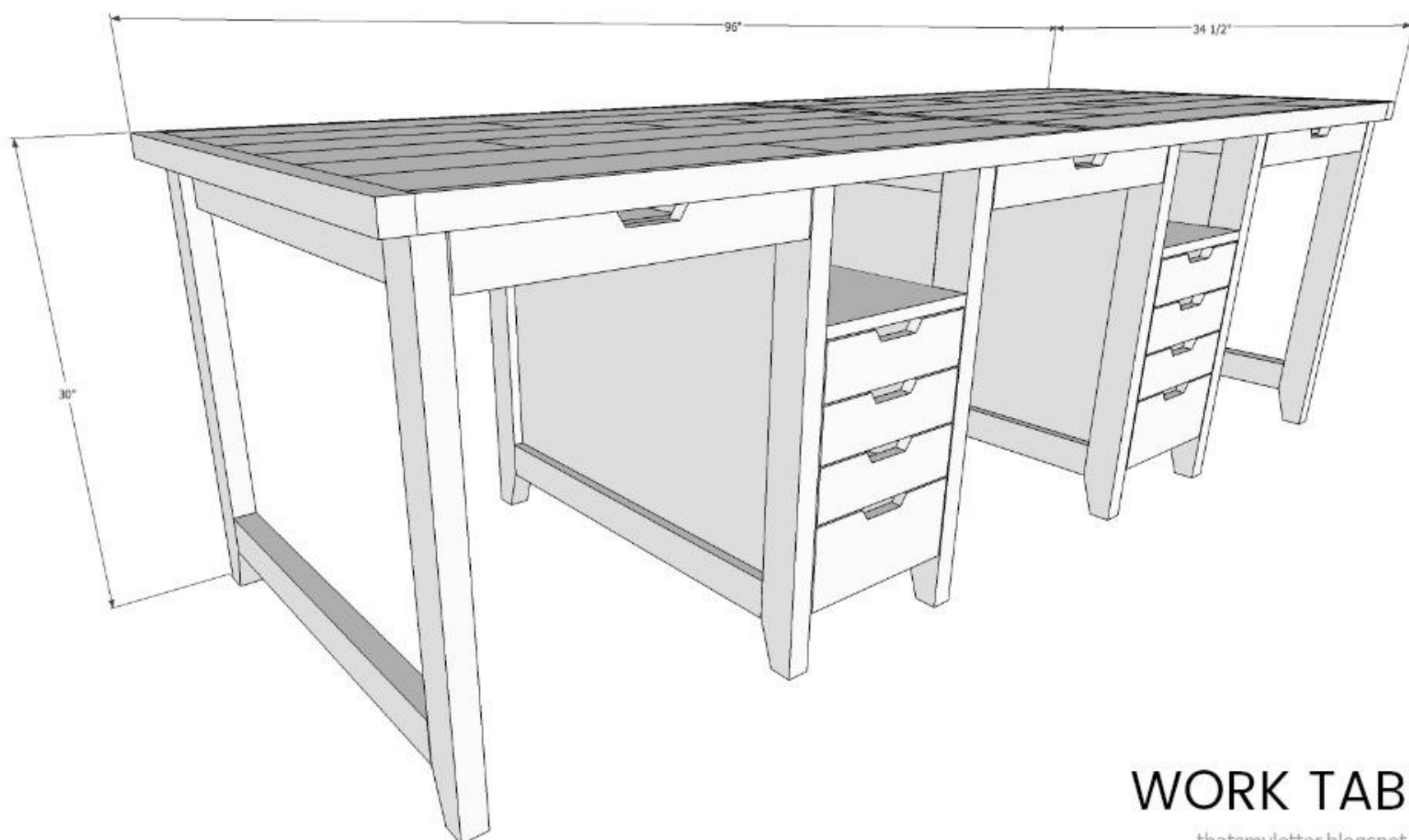
- 12 Legs , 2x3 @ 28 1/2"
- 10 Side Panel Top & Bottom , 2x3 @ 28"
- 4 Sides , 3/4" @ 28" X 20 1/2"
- 2 Aprons , 1x4 @ 28"
- 4 Shelf Base , 3/4" @ 15 3/4" X 12"
- 4 Shelf Back , 1x6 @ 12"
- 4 Shelf Tower Supports , 1x3 @ 12"
- 6 Top Suppports , 1x3 @ 20"
- 24 Drawer A Front & Back , 1x3 @ 9 1/4"
- 24 Drawer A Sides , 1x3 @ 15 1/2"
- 12 Drawer A Base , 1/4" @ 10 3/4" X 15 1/2"
- 12 Drawer A Front , 1x4 @ 11 3/4"
- 8 Drawer B Front & Back , 1x4 @ 9 1/4"
- 8 Drawer B Sides , 1x4 @ 15 1/2"
- 4 Drawer B Base , 1/4" @ 10 3/4" X 15 1/2"
- 4 Drawer B Front , 1x6 @ 11 3/4"
- 12 Drawer C Front & Back , 1x2 @ 17 1/4"
- 12 Drawer C Sides , 1x2 @ 15 1/2"
- 6 Drawer C Base , 1/4" @ 10 3/4" X 15 1/2"
- 6 Drawer C Front , 1x3 @ 19 3/4"
- 12 Top , 1x6 @ 45 3/4"
- 2 Top Underlayer , 3/4" @ 45 3/4" X 33"
- 1 Middle Support , 2x2 @ 33"
- 2 Sides , 1x2 @ 93"
- 2 Ends , 2x2 @ 34 1/2"

Directions

1

Overall Dimensions

96"l x 34 1/2"w x 30"h



WORK TABLE

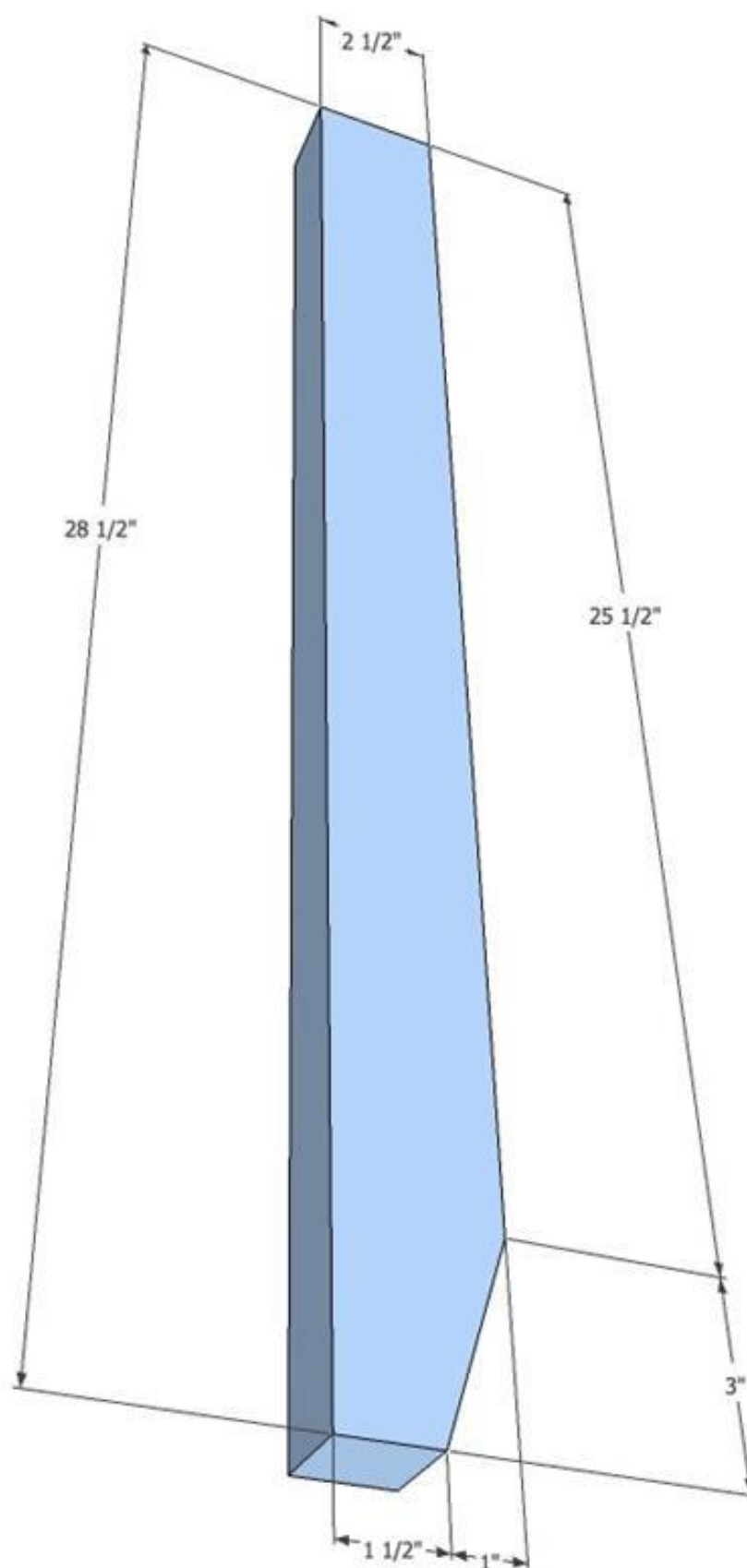
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Step 1

Step 1: Cut 12 legs and taper the interior bottom corner.

WORK TABLE STEP 1

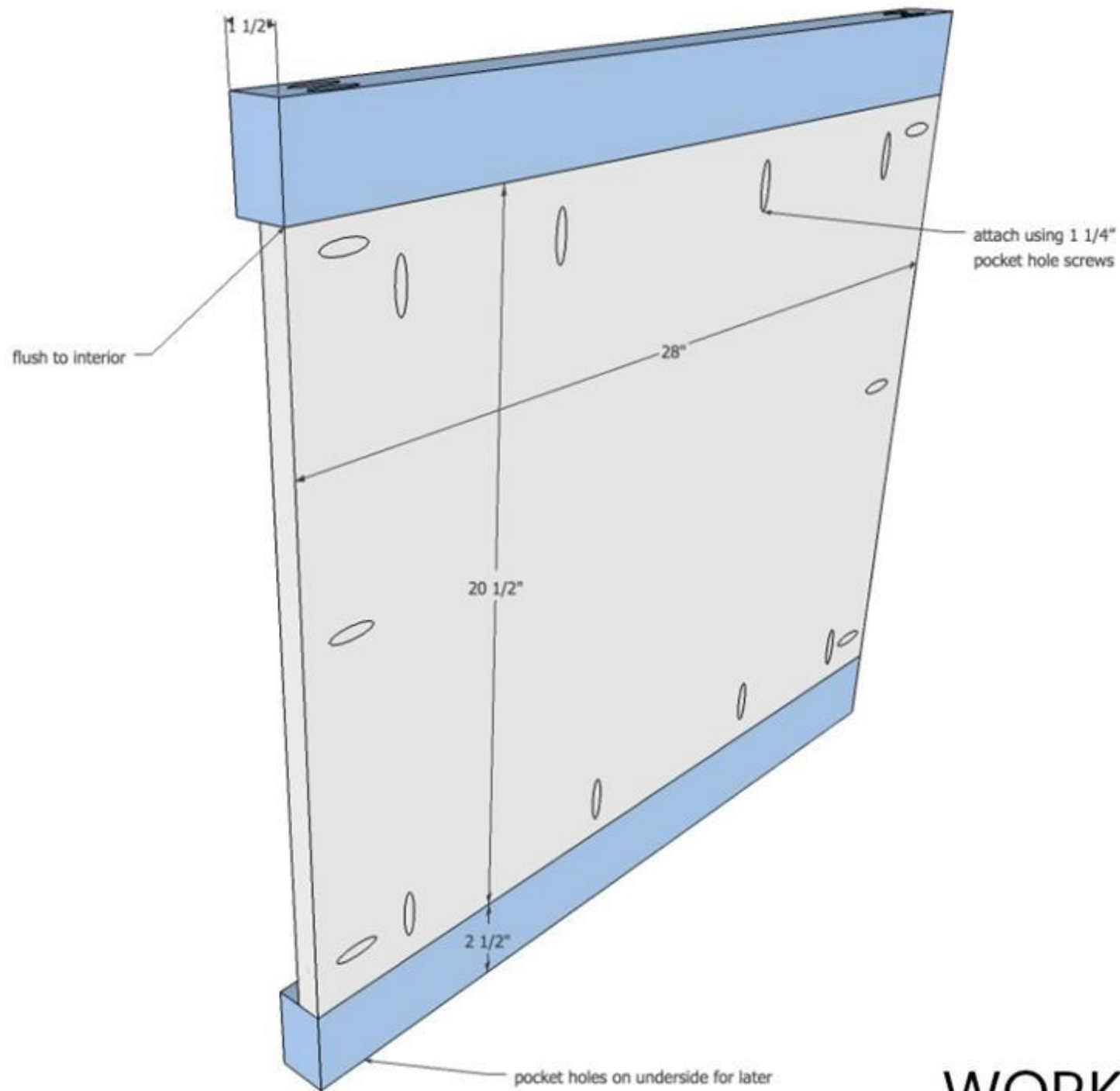


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Step 2

Step 2: Make the tower side panels. Attach top and bottom 2x3 to plywood panel using wood glue and 1 1/4" pocket hole screws. Be sure to pre drill pocket holes into the 2x3 for later attaching to legs. Keep plywood panel flush to interior of 2x3 boards.

Make 4.

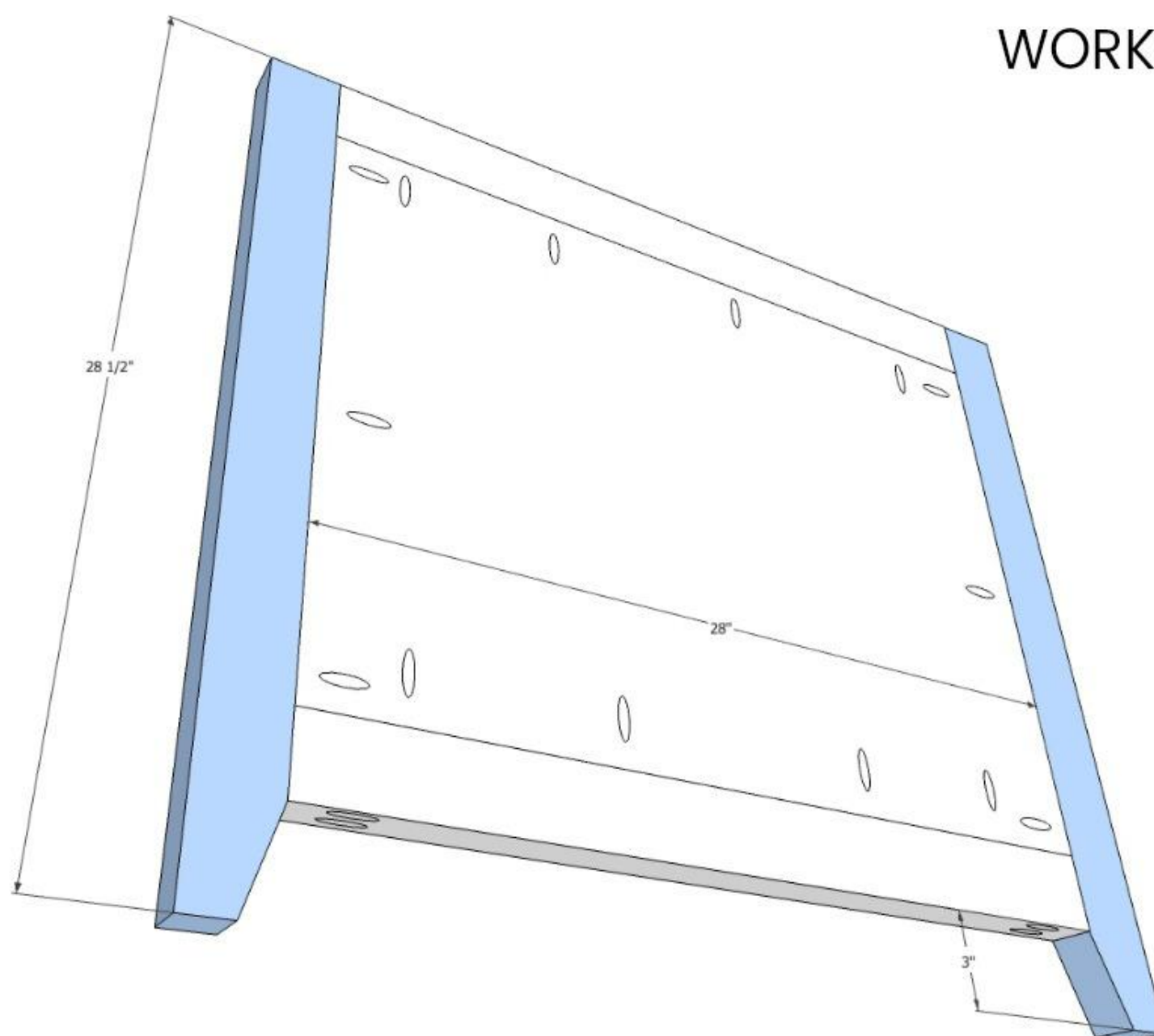


WORK TABLE STEP 2

4**Step 3**

Step 3: Attach legs to side panels using wood glue and 2" pocket hole screws. Keep leg flush to interior of plywood panel.

WORK TABLE STEP 3

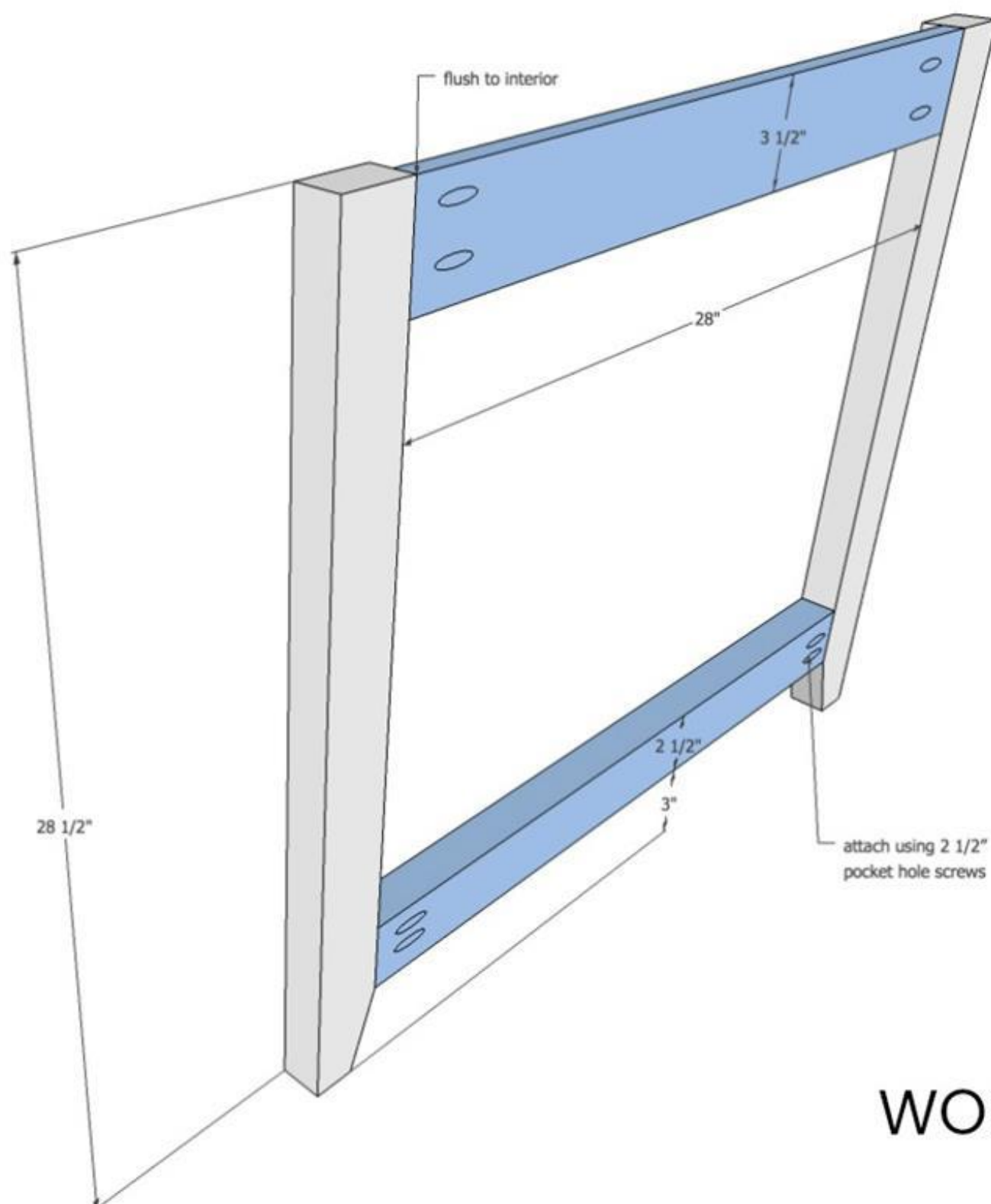


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Step 4

Step 4: Make end leg pieces. Attach 1x4 apron and 2x3 cross support to legs using wood glue and 2 1/2" pocket hole screws.

Make 2.



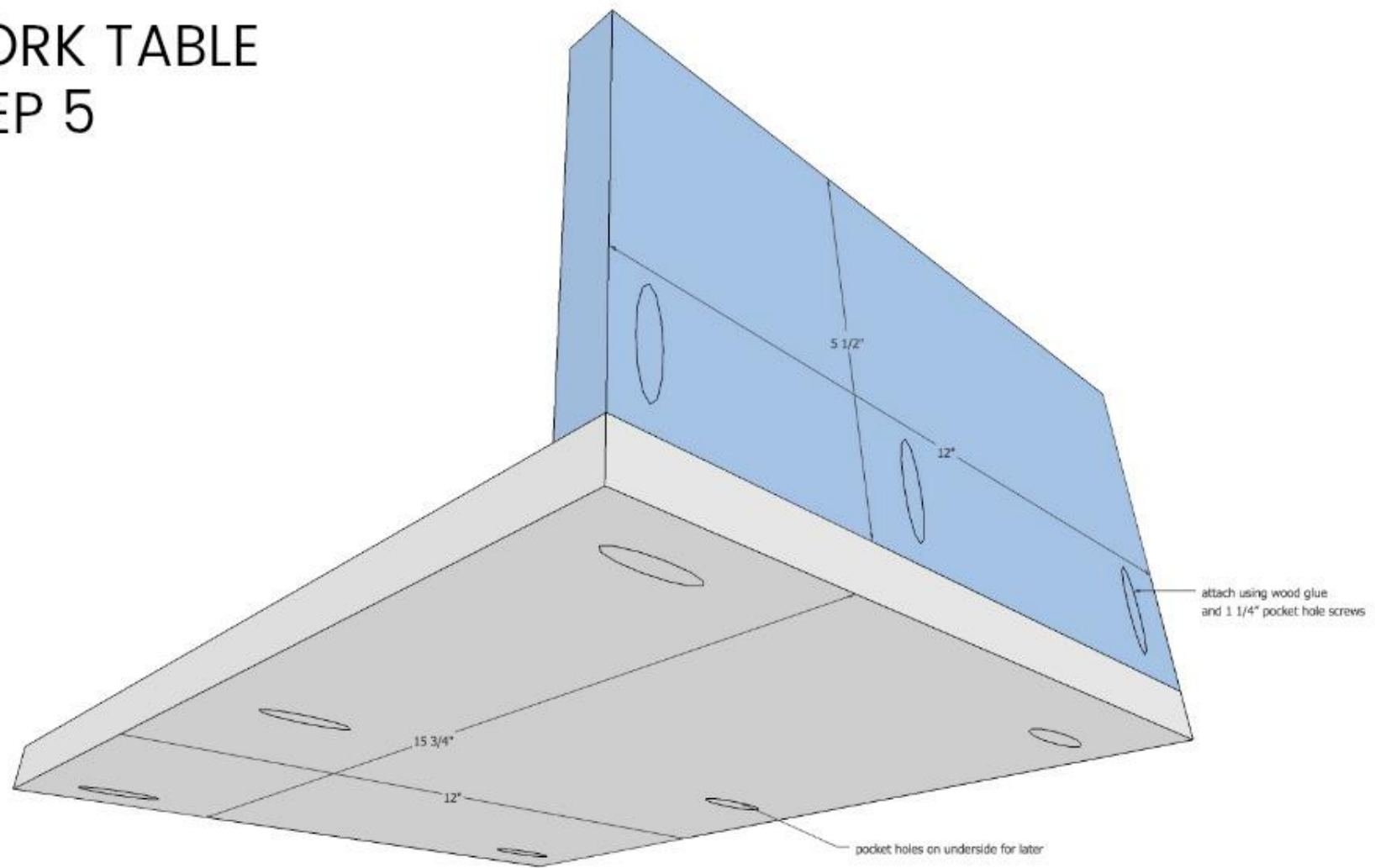
WORK TABLE
STEP 4

6**Step 5**

Step 5: Prepare tower shelf by attaching 1x5 back piece to plywood shelf using wood glue and 1 1/4" pocket hole screws.

Make 4.

WORK TABLE STEP 5

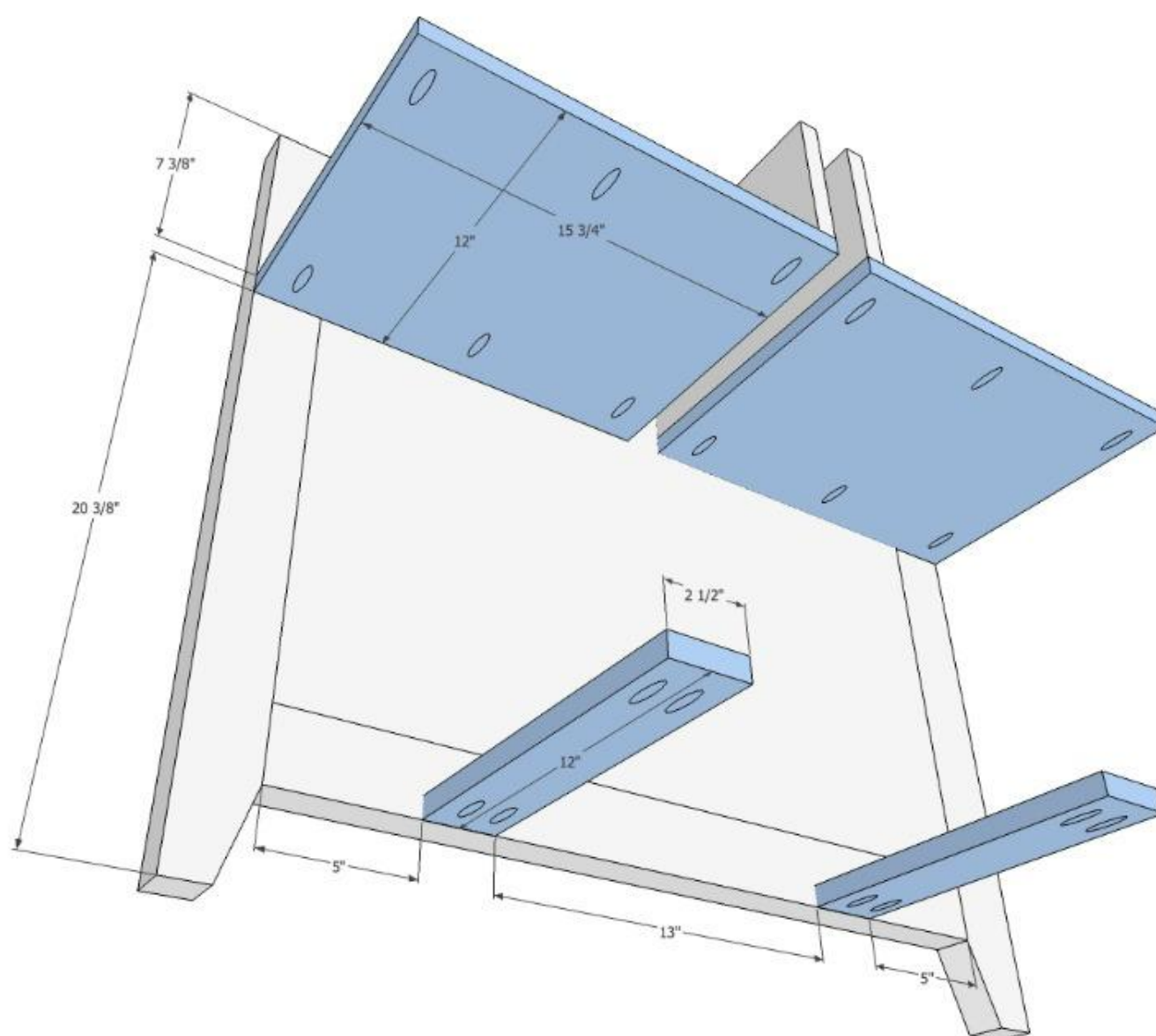


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Step 6

Step 6: Attach shelf portion to one side using wood glue and 1 1/4" pocket hole screws. Also attach bottom tower supports.

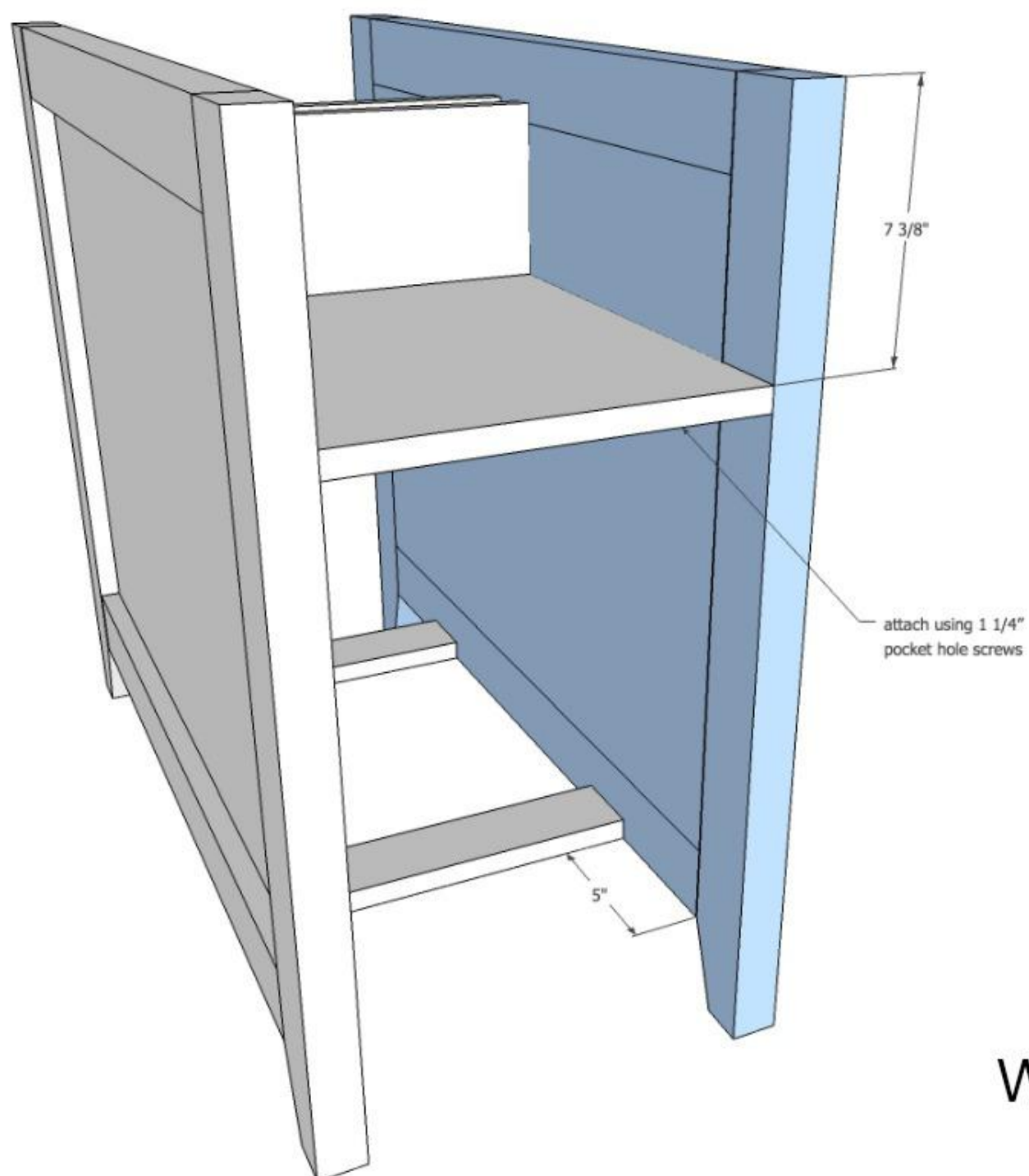
Make 2.



WORK TABLE
STEP 6

8**Step 7**

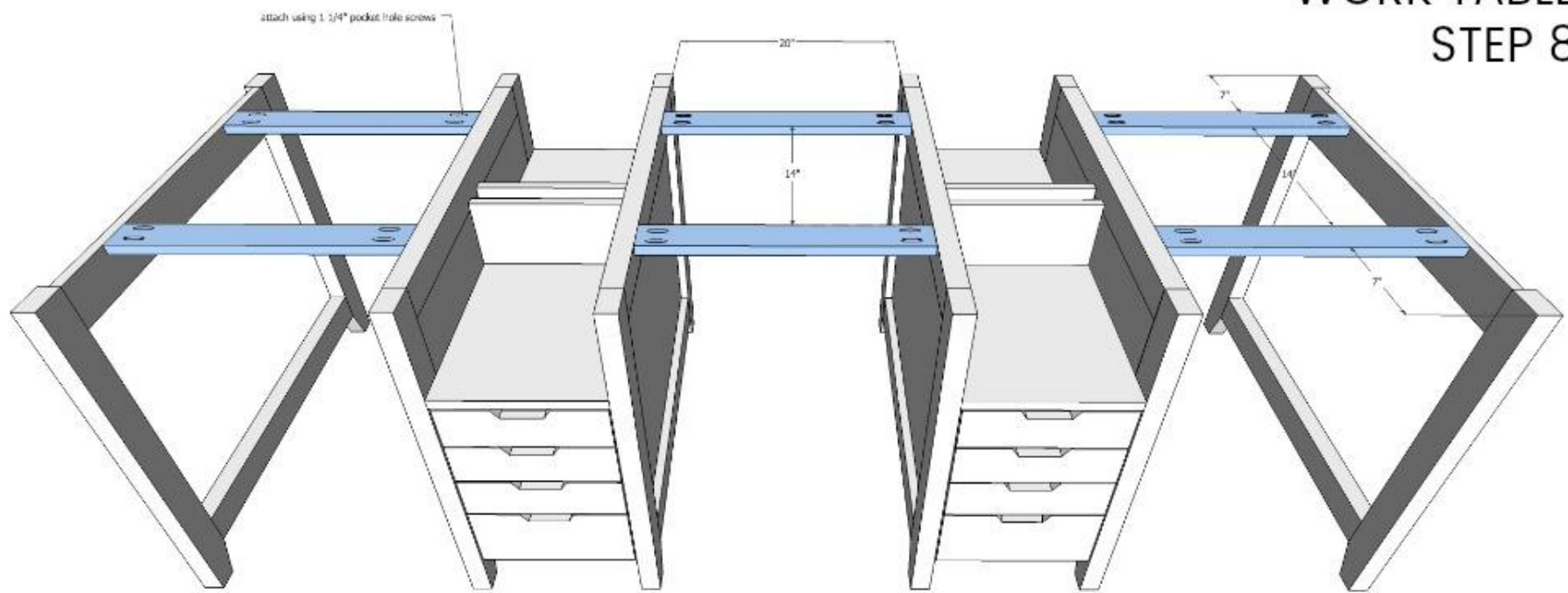
Step 7: Attach other side panel.

**WORK TABLE
STEP 7**

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Step 8

Step 8: Position towers (without drawers) and end leg units and attach top supports using 1 1/4" pocket hole screws.



WORK TABLE STEP 8

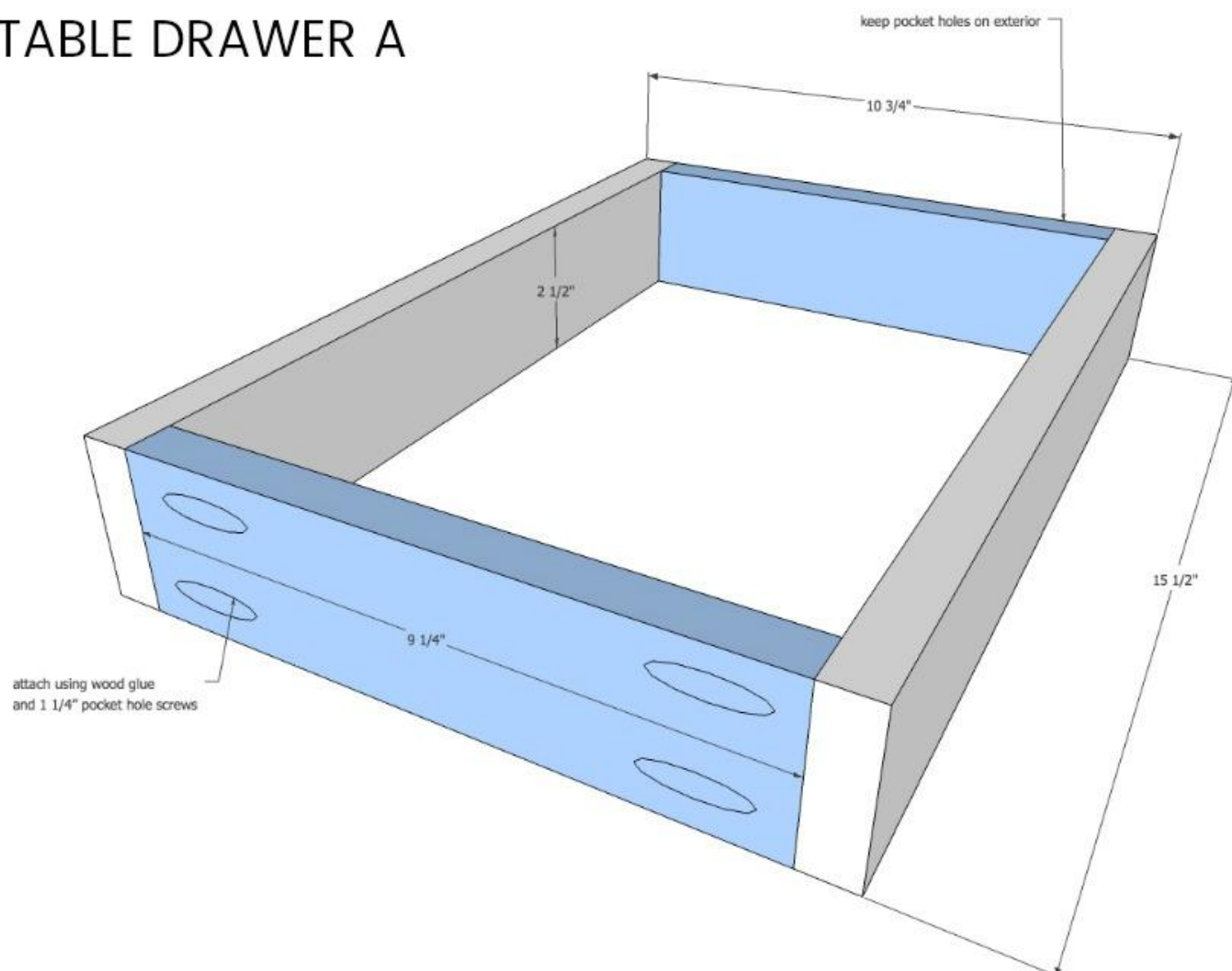
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Drawers A Step 1

Step 1: Make the drawer box using wood glue and 1 1/4" pocket hole screws. Keep the pocket holes on the exterior.

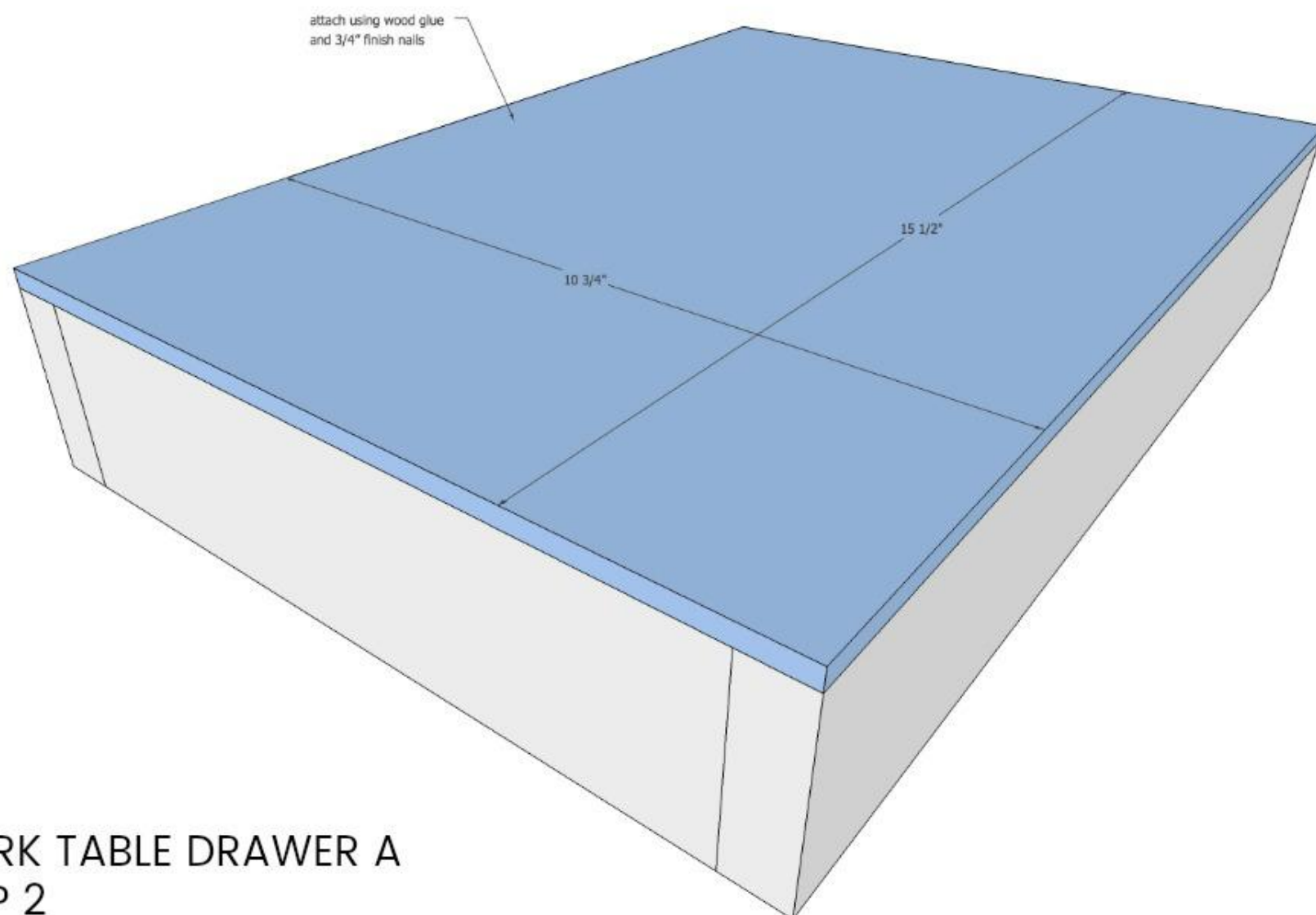
Make 12.

WORK TABLE DRAWER A STEP 1



11**Drawers A Step 2**

Step 2: Attach the drawer base to the box using wood glue and $\frac{3}{4}$ " finish nails.



WORK TABLE DRAWER A
STEP 2

Step 3: Attach the drawer front to the box using wood glue and 1 ¼" countersink screws. Install drawer glides and fit into base.

LE DRAWER A

Diagram illustrating the assembly of a drawer (LE DRAWER A) into a cabinet. The diagram shows the drawer being inserted into the cabinet frame. Key dimensions and instructions are provided:

- The drawer's internal width is $10 \frac{3}{4}"$.
- The drawer's internal depth is $11 \frac{3}{4}"$.
- The drawer is to be attached using countersunk $1 \frac{1}{4}"$ wood screws.
- The drawer is to be attached to the cabinet frame, with a note indicating $\frac{1}{2}"$ on each side.

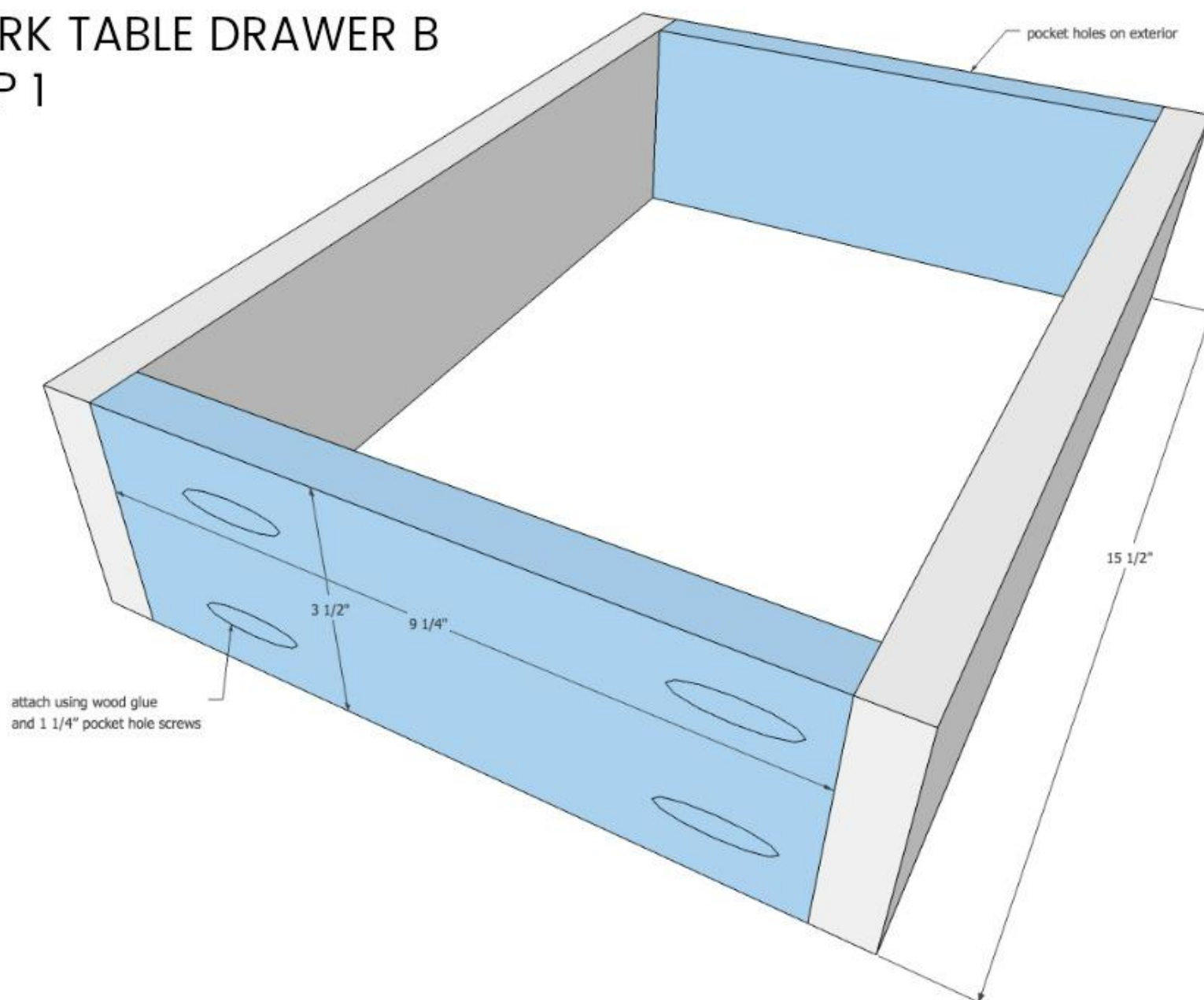
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Drawers B Step 1

Step 1: Make the drawer box using wood glue and 1 1/4" pocket hole screws. Keep the pocket holes on the exterior.

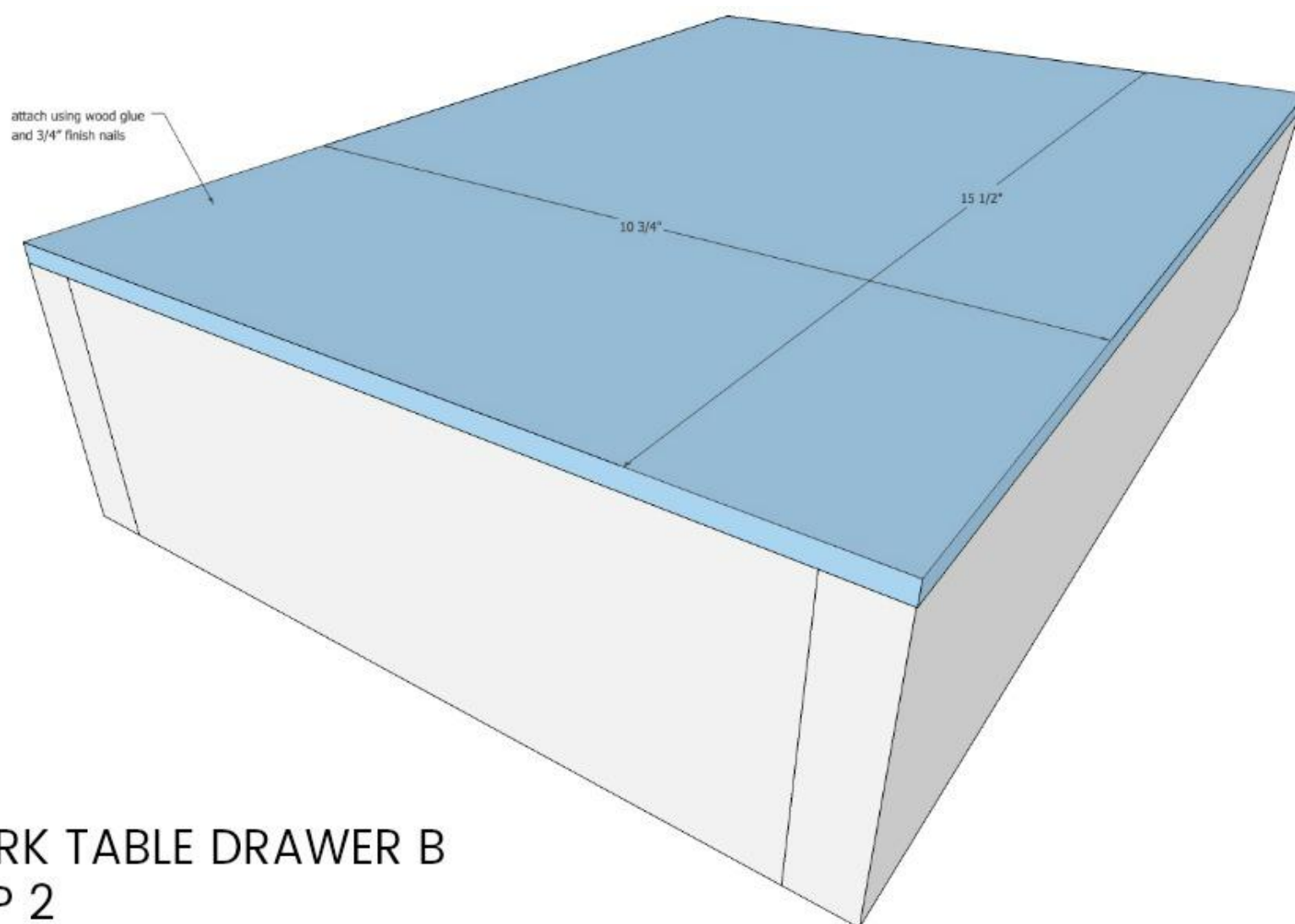
Make 4.

WORK TABLE DRAWER B STEP 1



14**Drawers B Step 2**

Step 2: Attach the drawer base to the box using wood glue and $\frac{3}{4}$ " finish nails.



WORK TABLE DRAWER B
STEP 2

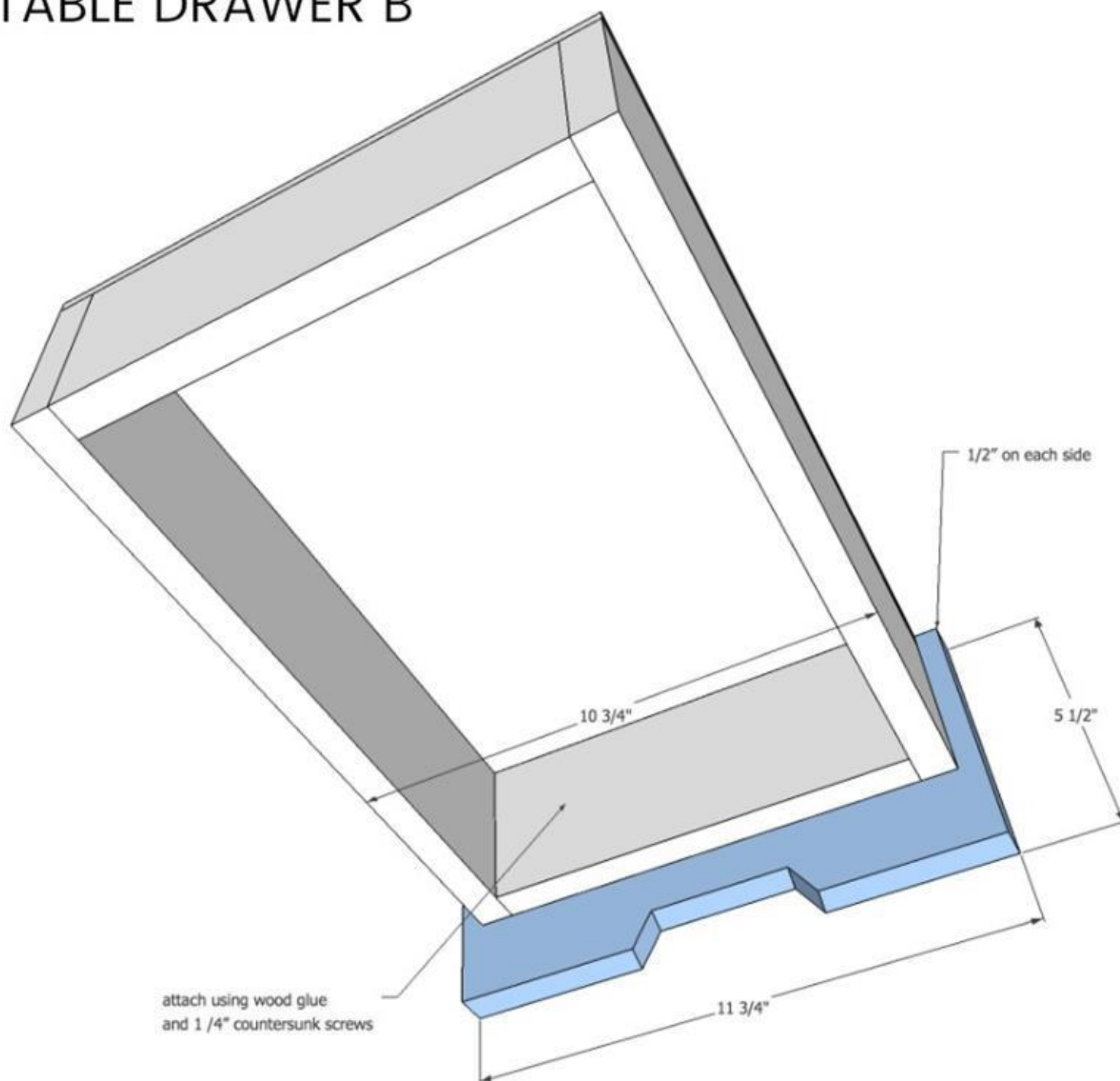
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Drawers B Step 3

Step 3: Attach the drawer front* to the box using wood glue and 1 1/4" countersink screws.

* Attach the drawer front after installing drawer glides and placing box into tower.

WORK TABLE DRAWER B STEP 3

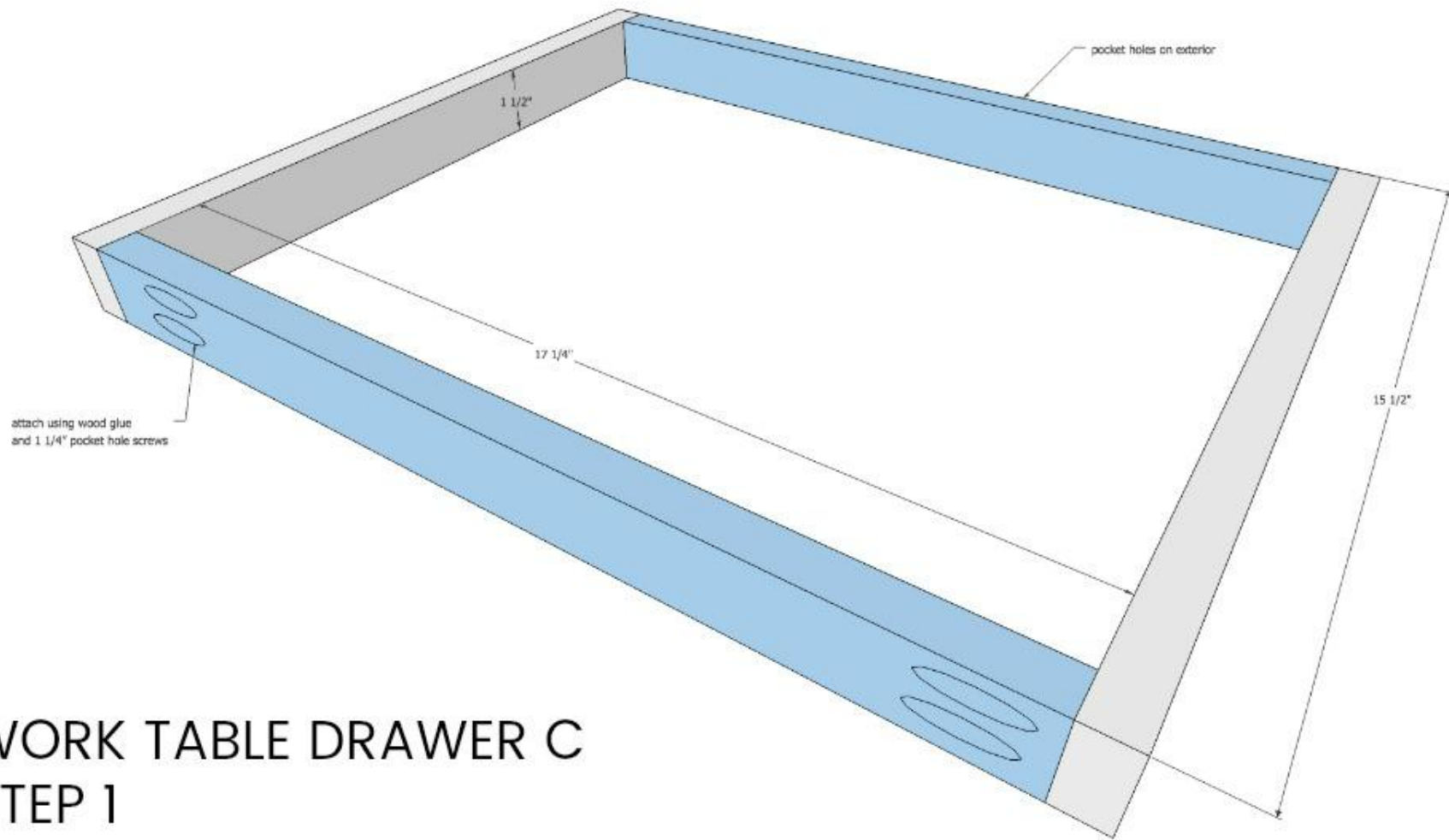


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Drawers C Step 1

Step 1: Make the drawer box using wood glue and 1 1/4" pocket hole screws. Keep the pocket holes on the exterior.

Make 6.

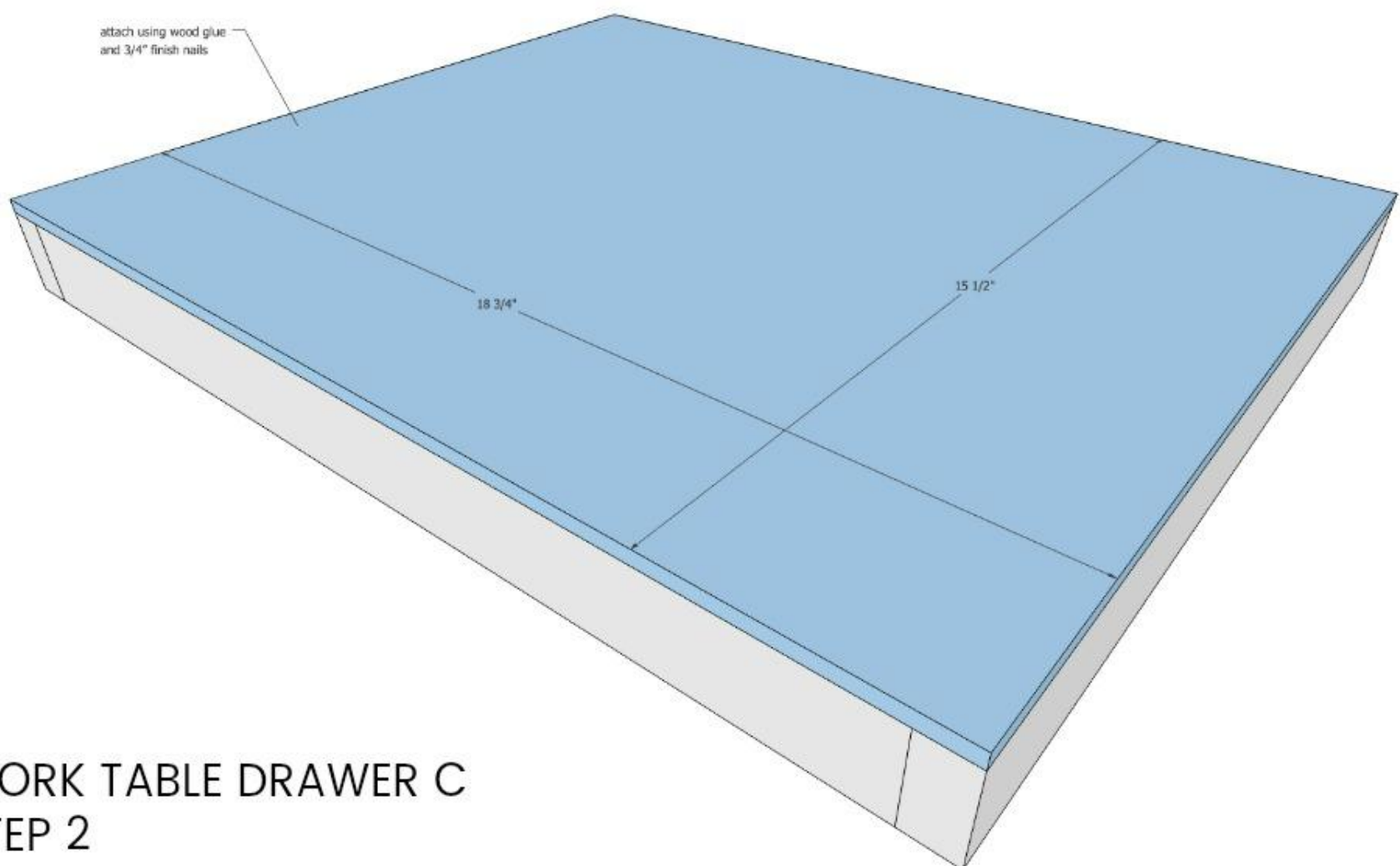


WORK TABLE DRAWER C STEP 1

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Drawers C Step 2

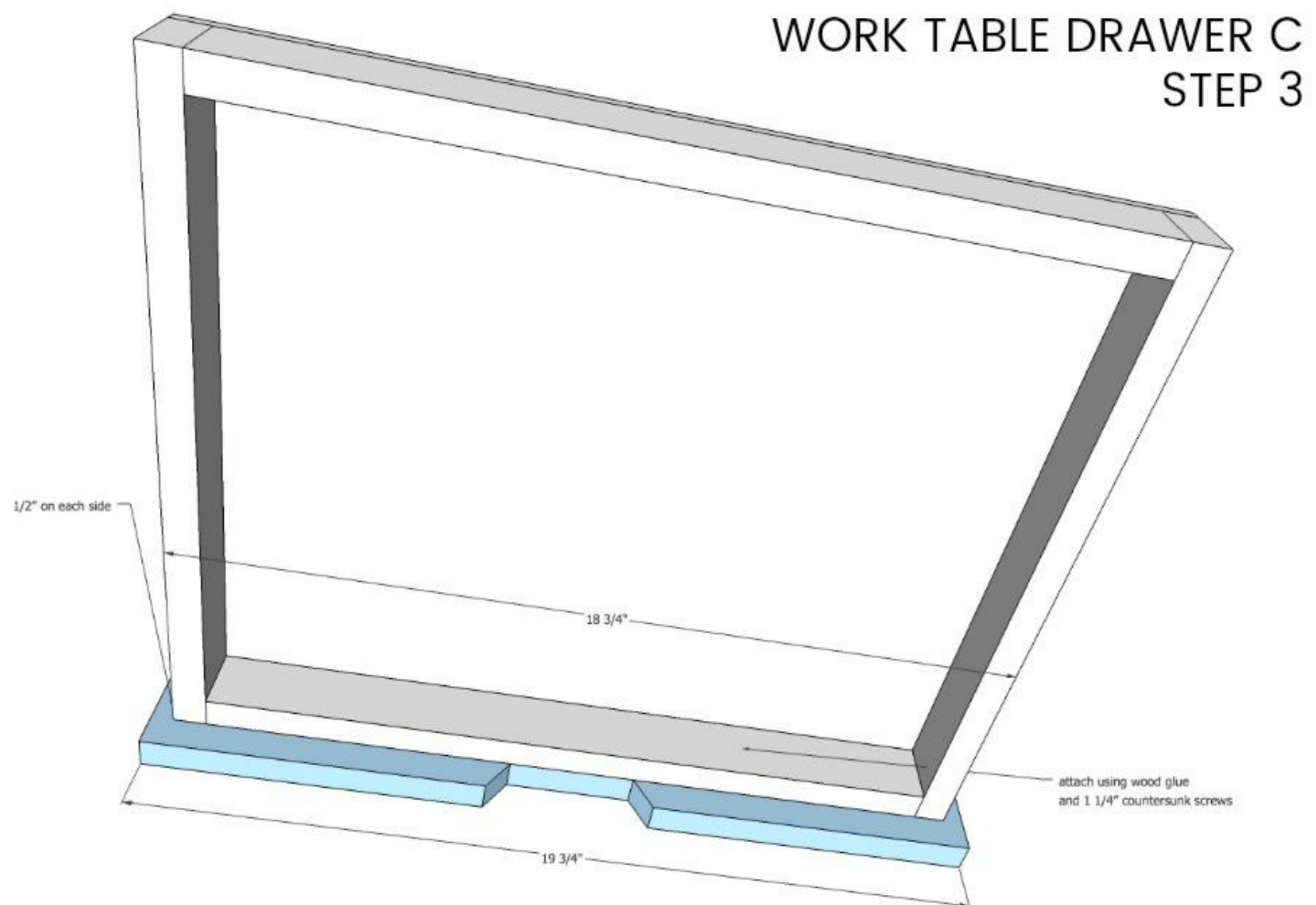
Step 2: Attach the drawer base to the box using wood glue and 3/4" finish nails.



WORK TABLE DRAWER C STEP 2

18**Drawers C Step 3**

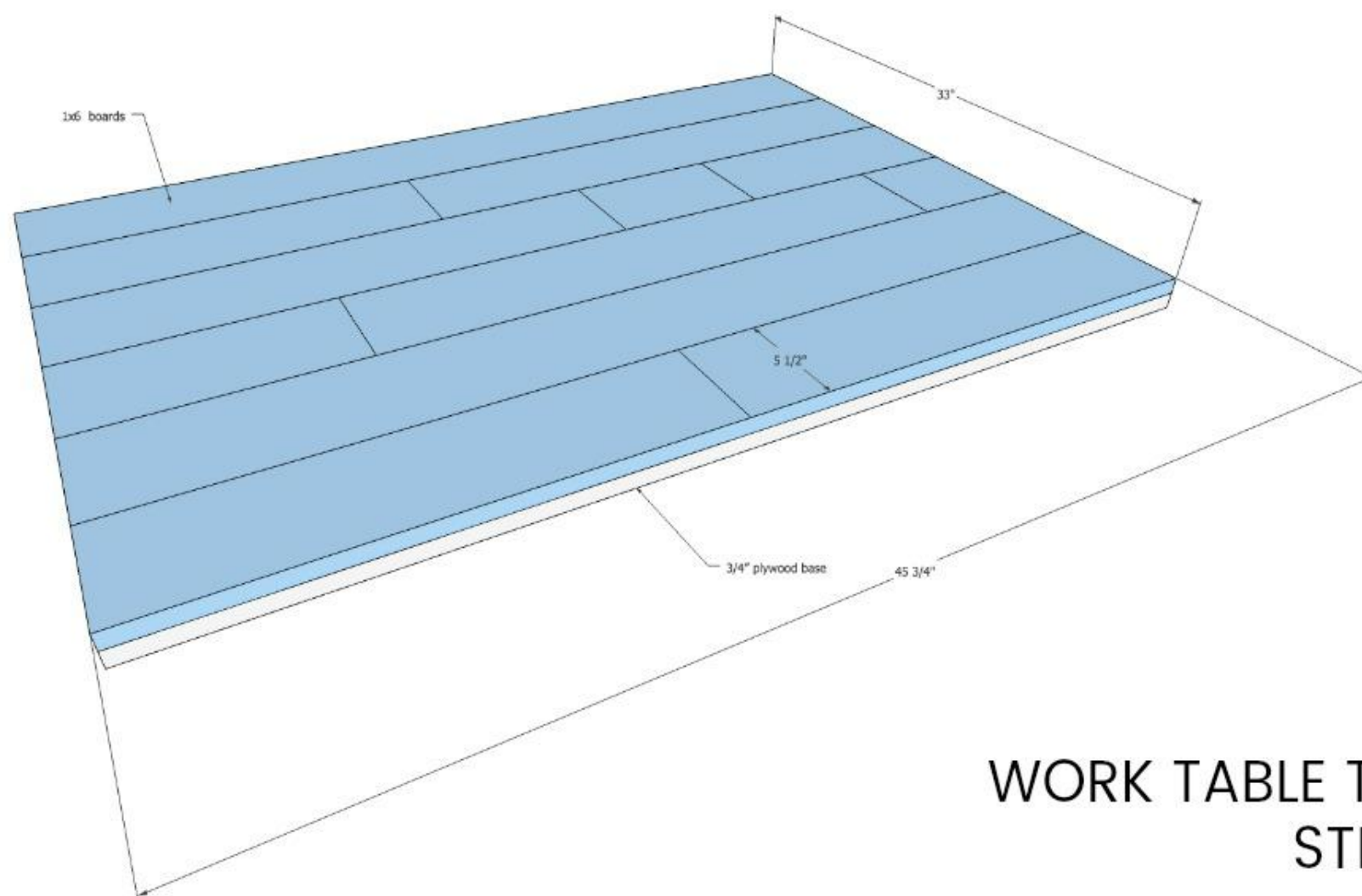
Step 3: Attach the drawer front to the box using wood glue and 1 1/4" countersink screws. Install drawer glides and fit into base.



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Top Step 1

Step 1: Measure 1x6 width x 6 to determine width of plywood underlayer. Use one full piece at $45\frac{3}{4}"$ long or multiple shorter pieces to create a staggered look. Make 2.

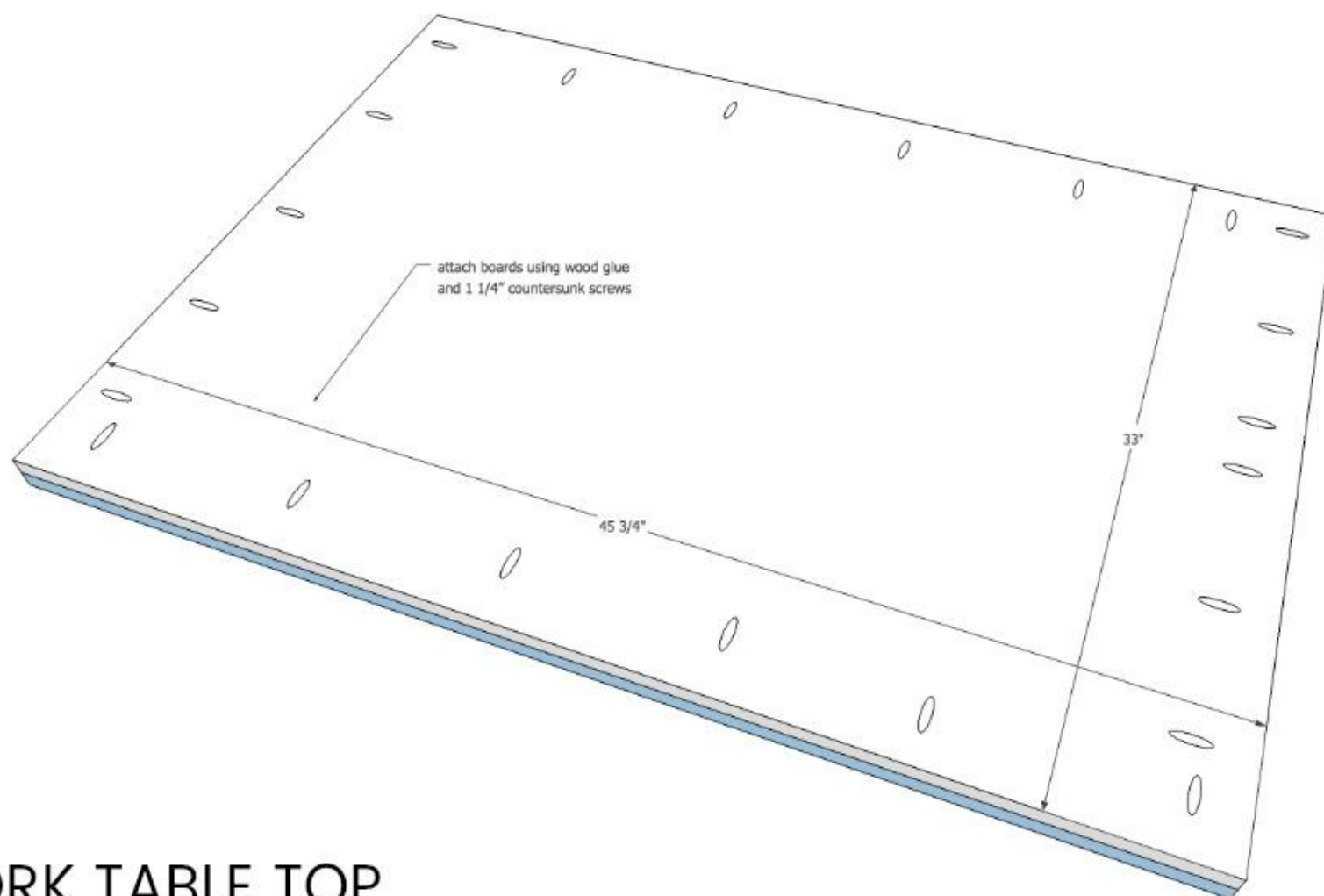


WORK TABLE TOP
STEP 1

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Top Step 1 Underside

Underside view

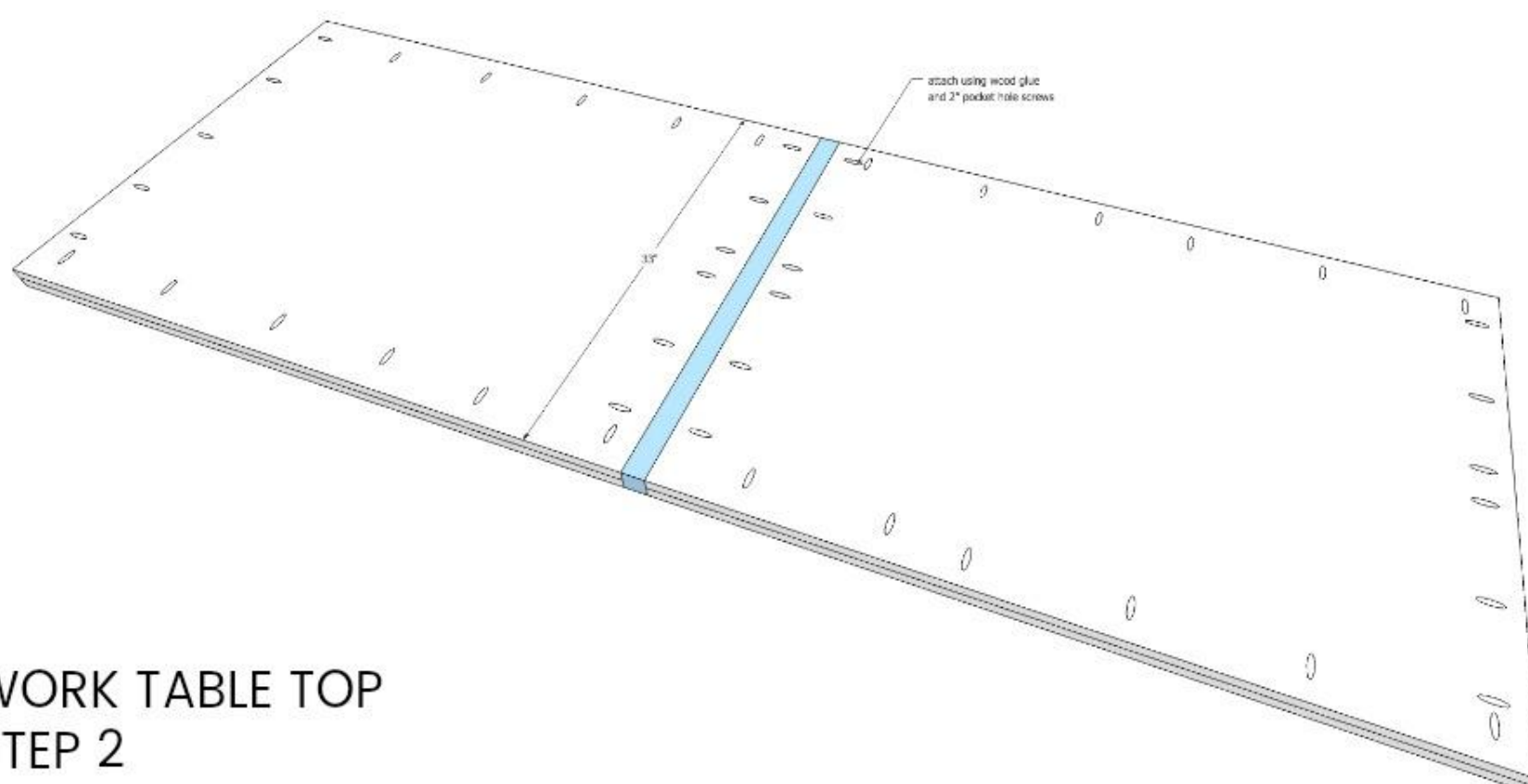


WORK TABLE TOP STEP 1 - UNDERSIDE

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Top Step 2

Step 2: Attach center divider using wood glue and 2" pocket hole screws.

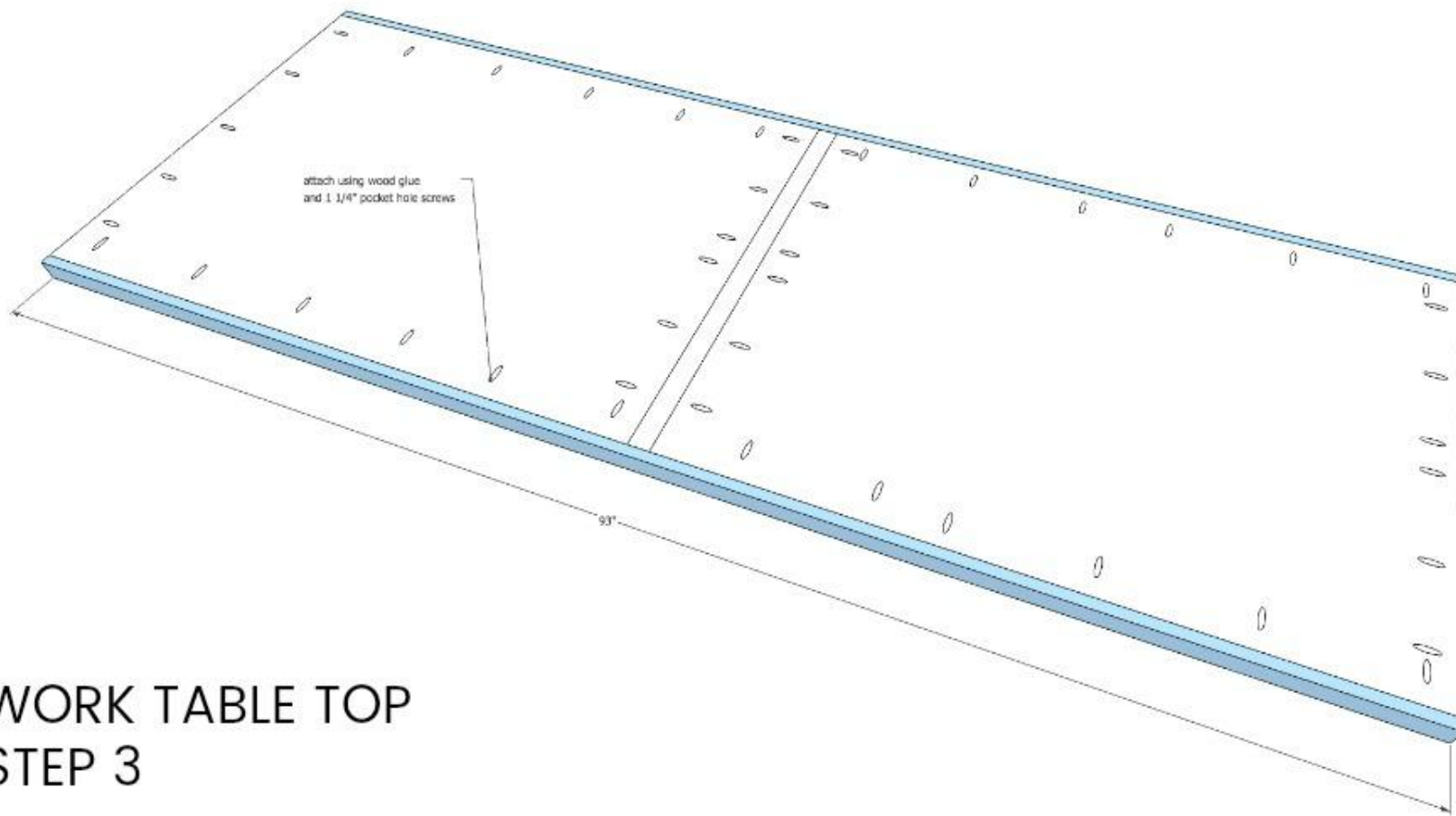


WORK TABLE TOP STEP 2

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Top Step 3

Step 3: Attach side pieces using 1 1/4" pocket hole screws.



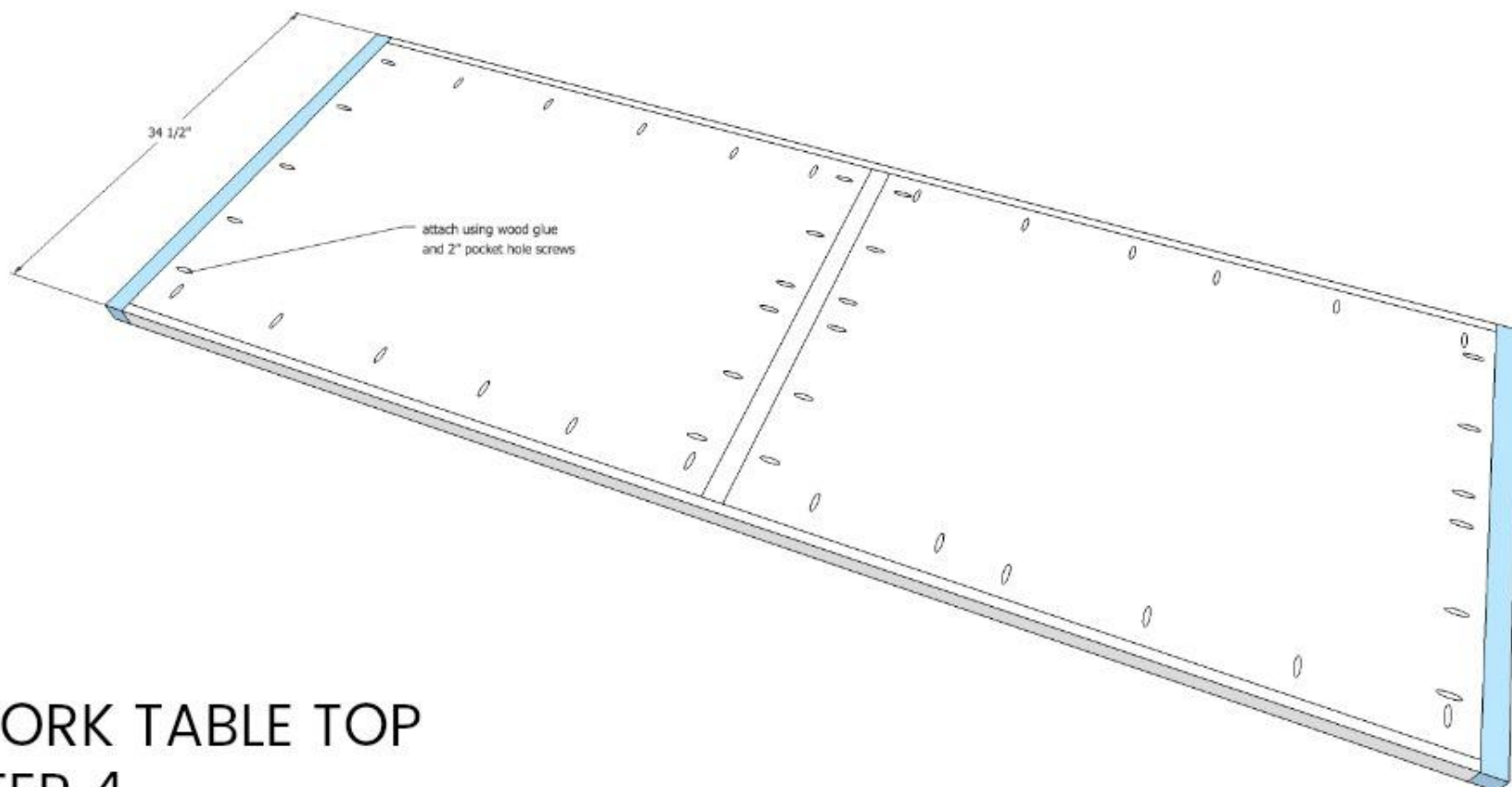
WORK TABLE TOP STEP 3

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Top Step 4

Step 4: Attach ends to top using 2" pocket hole screws.

Center table top onto base and attach using corner braces or steel angles.



WORK TABLE TOP STEP 4