

Sliding Barn Door Media Center

By **Smashing DIY**

Difficulty

Advanced

Looking for a statement piece for your living room? This sliding barn door media center is the perfect functional piece to bring a sophisticated feel to your home.



Tools

Kreg Tools

- [Accu-Cut™](#)
- [Wood Project Clamp - 6"](#)
- [Kreg® Pocket-Hole Jig 720](#)

Other Tools

- Circular Saw (corded)
- Jigsaw
- Miter Saw
- Tape Measure
- Nail Gun
- Sander

Materials

Wood Products

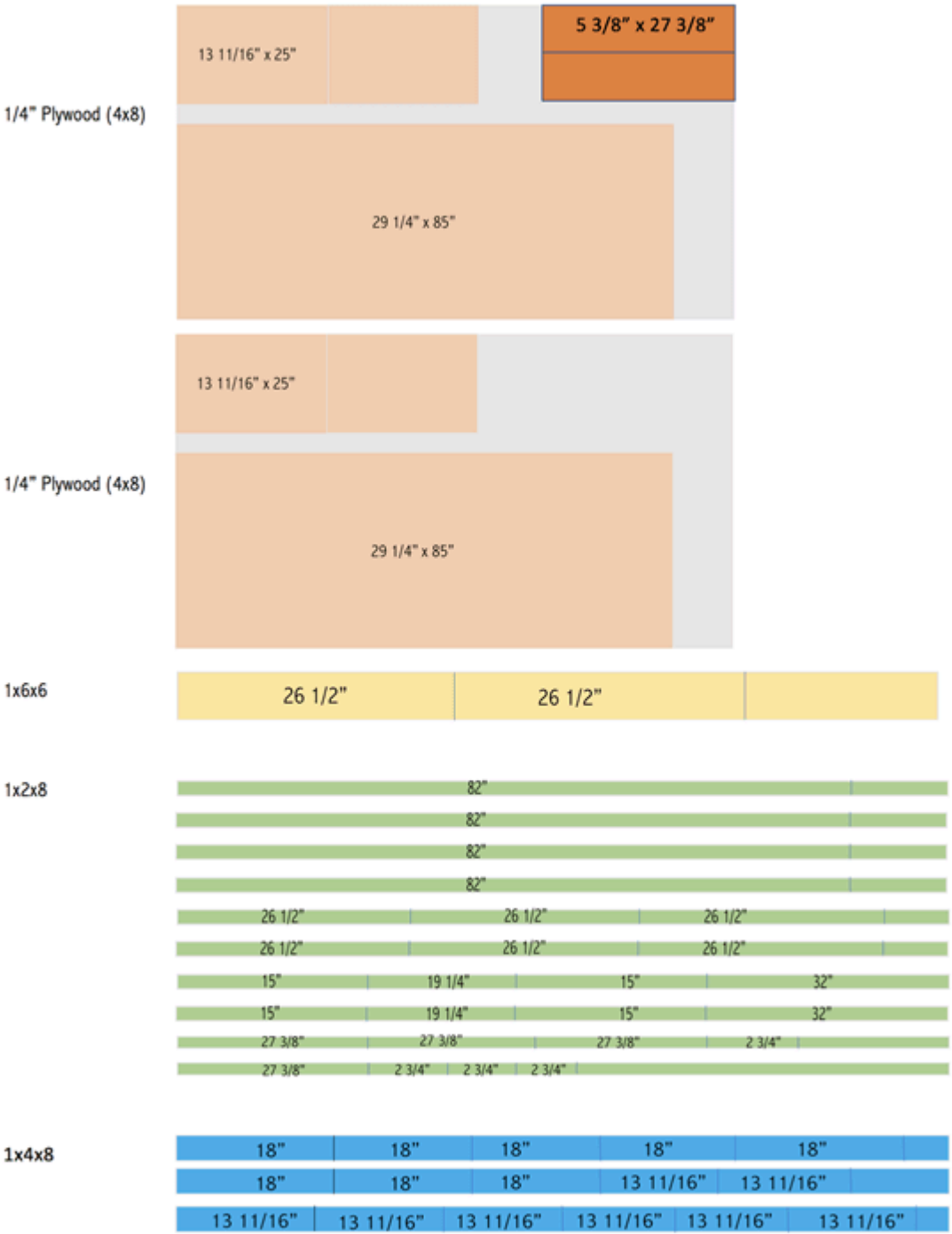
- 6 Plywood , 3/4" Thick , 96"
- 2 Plywood , 1/4" Thick , 96"
- 13 Board , 1x6 , 96"
- 14 Board , 1x2 , 96"
- 14 Board , 1x2 , 96"
- 14 Board , 1x4 , 96"
- 5 Board , 1x3 , 96"
- 3 Board , 1x6 , 120"
- 1 Board , 1x12 , 120"
- 1 Board , 1x12 , 120"

Hardware & Supplies

- 1 Barn Door Hardware

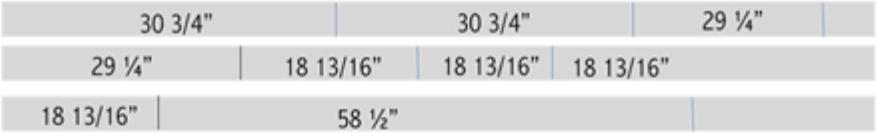
Cut List & Parts

- 4 Bookcase Sides , 19 13/16" X 85"
- 10 Shelves , 19 13/16" X 29 1/4"
- 2 Bookcase Backing , 29 1/4"x85"
- 4 Door Backs , 13 11/16"x25"
- 2 Drawer Back , 5 3/8"x 27 3/8"
- 2 Bookcase Trim , 26 1/2"
- 4 Bookcase Trim , 82"
- 6 Bookcase Trim , 26 1/2"
- 4 Bookcase Trim , 15"
- 2 Bookcase Trim , 19 1/4"
- 2 Bookcase Trim , 32"
- 4 Bookcase Trim , 27 3/8"
- 4 Bookcase Trim , 2 3/4"
- 8 Door Frame , 18"
- 8 Door Frame , 13 11/16"
- 2 Bookcase Bottom Trim , 30 3/4"
- 2 Bookcase Bottom Trim , 29 1/4"
- 4 Bookcase Bottom Trim , 18 13/16"
- 2 Media Trim , 57.5"
- 1 Top Brace , 19 1/4" X 96"
- 2 Top Brace , 11 1/4"x19 1/4"
- 1 Media Top , 19 13/16"
- 1 Top Brace , 118 1/2"
- 6 Top Brace , 17"
- 1 Top Trim , 1x12x10
- 1 Trim Moulding , 1x12x10
- 12 Barn Door Backs , 83 1/4"
- 4 Barn Door Ends , 30"
- 4 Door Sides , 72 1/4"
- 4 Barn Door Xs , As Necessary
- 2 Media Plywood , 19 13/16"x57"
- 2 Media Shelves , 19 13/16"x 24 1/2"
- 1 Media Middle Shelf , 17 5/8 X 19 13/16"
- 2 Bottom Media Slates , 18 13/16"



Barn Doors	83 1/4"		
1x6x8	83 1/4"		
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1x4x8	30"	30"	
	30"	30"	
	72 1/4"		
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	72 1/4"		
	83 1/4"		
	X – measure as necessary		
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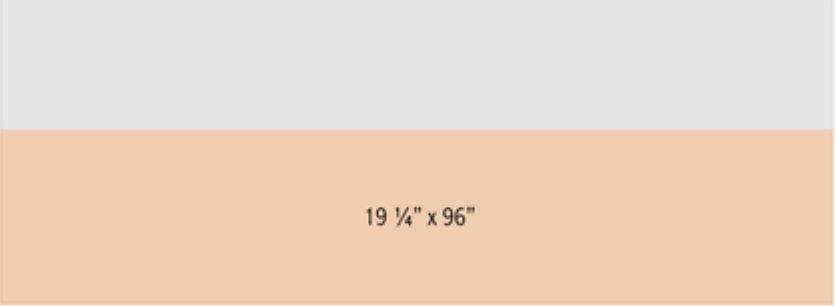
1x3x8



Top Brace



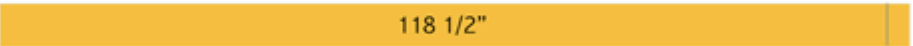
3/4" plywood (4x8)



2x6x10



1x6x10



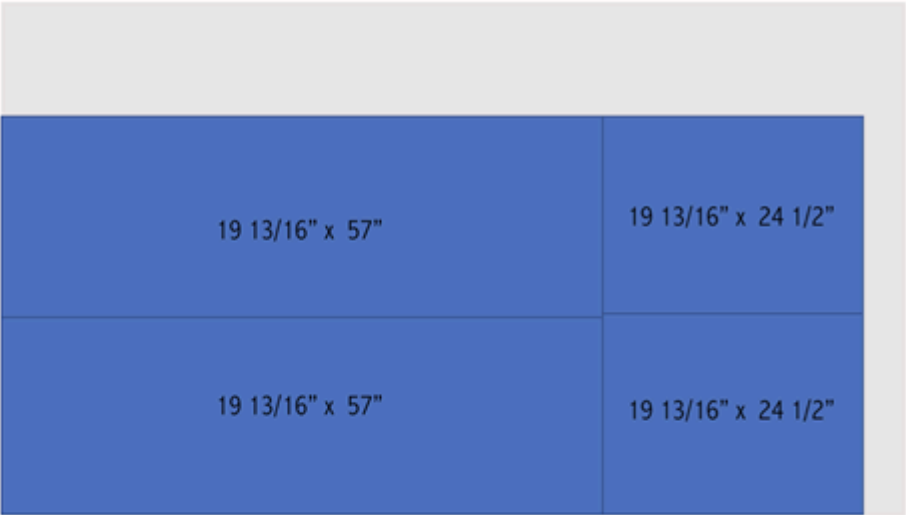
1x12x10



1x12x10 Trim



Media Trim
3/4" plywood (4x8)



1x3x8



Cut List
Bookcases

3/4" Plywood (4x8)

19 13/16" x 85"

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19 13/16" x 85"

3/4" Plywood (4x8)

19 13/16" x 29 1/4"

3/4" Plywood (4x8)

19 13/16" x 29 1/4"

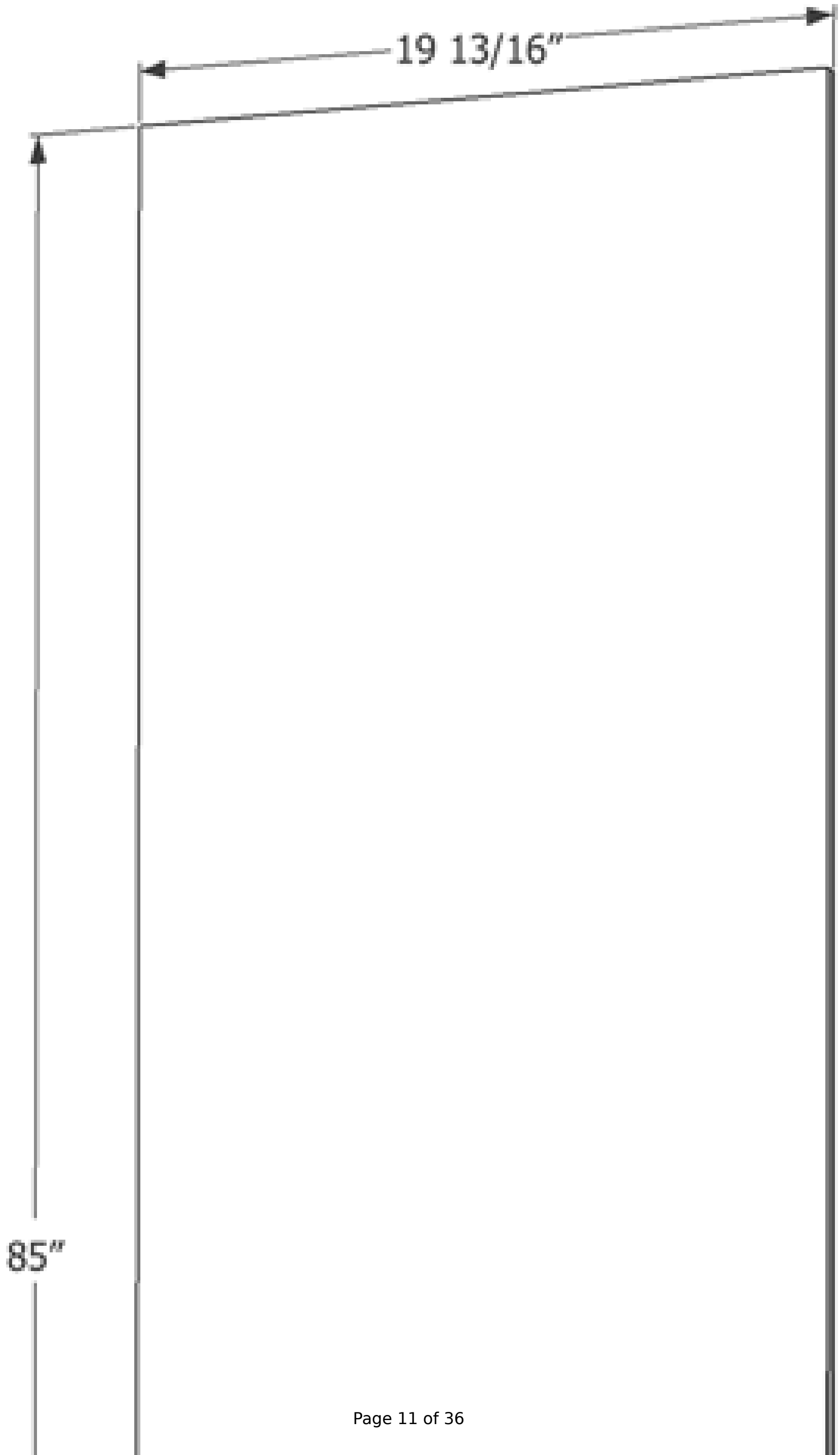
17 5/8" x 19 13/16"

Directions

1

Cut out Bookcase Notches

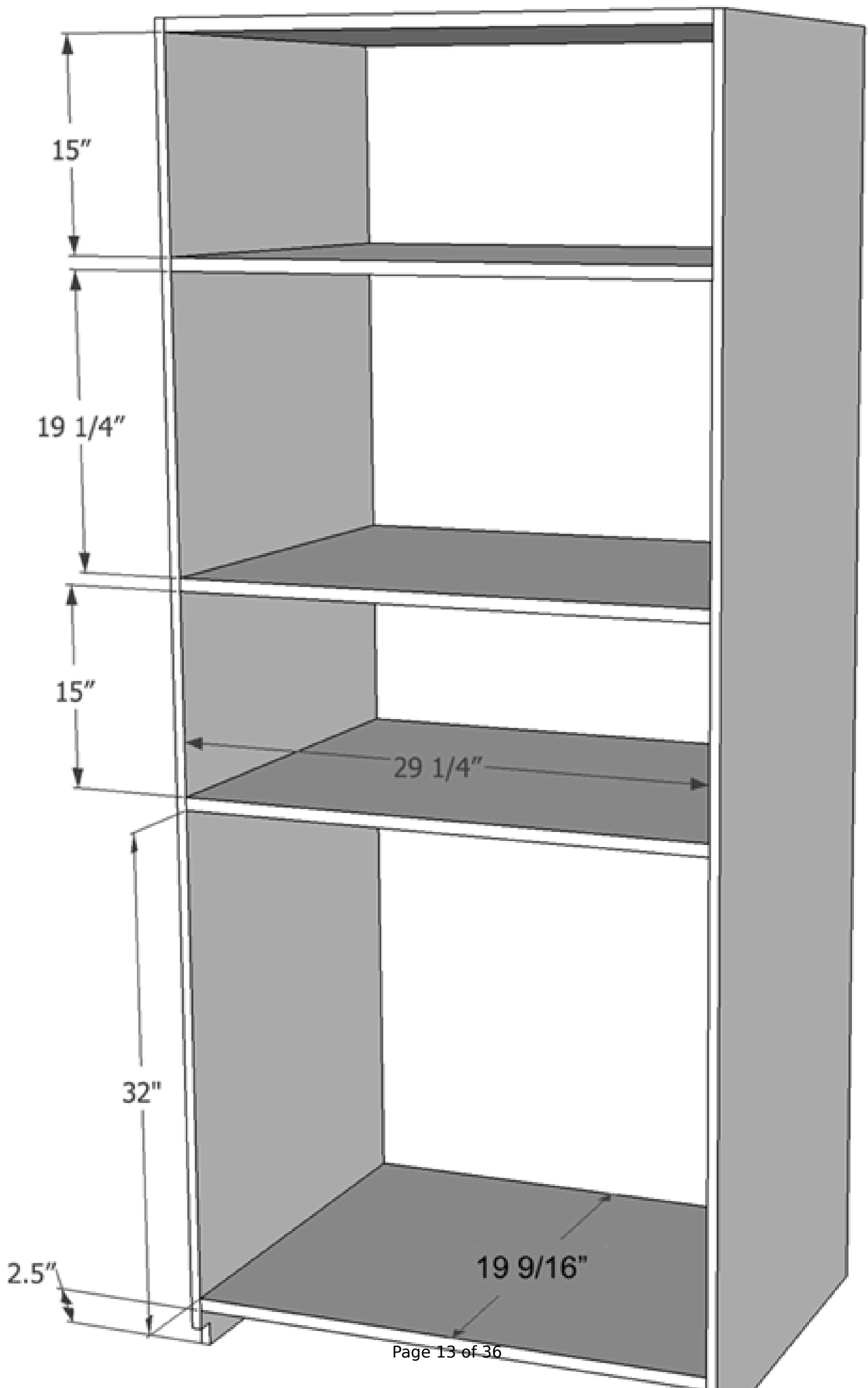
Cut out notches on the bottom of all four bookcase side pieces.



2

Add Shelves to Bookcases

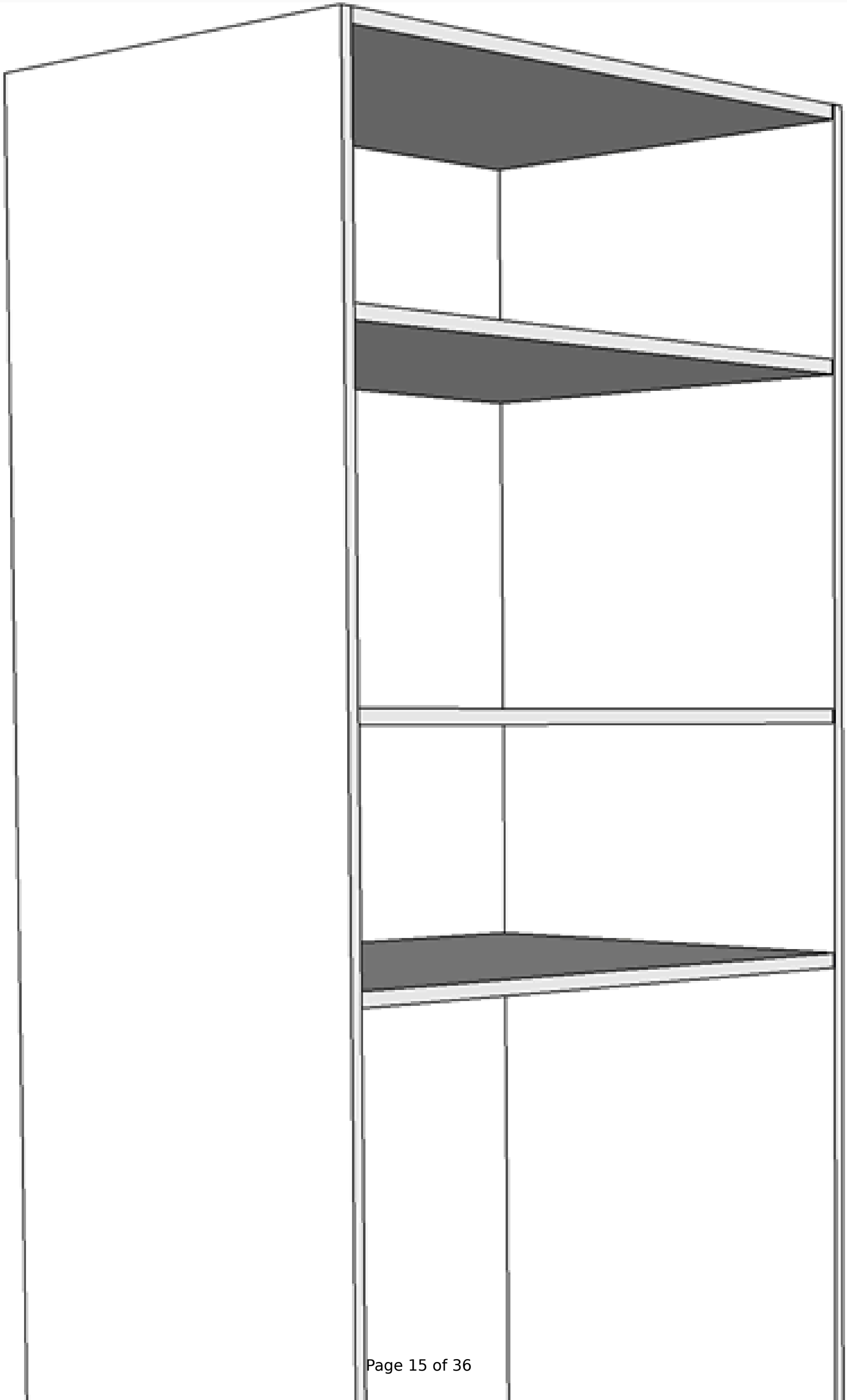
Add 5 shelves to both bookcases using a Kreg Jig K4 Pocket Hole System on a 3/4" setting, with 1 1/4" pocket hole screws to attach along with wood glue. Shelves should have 1/4" spacing left in the back.



3

Add Bottom Trim

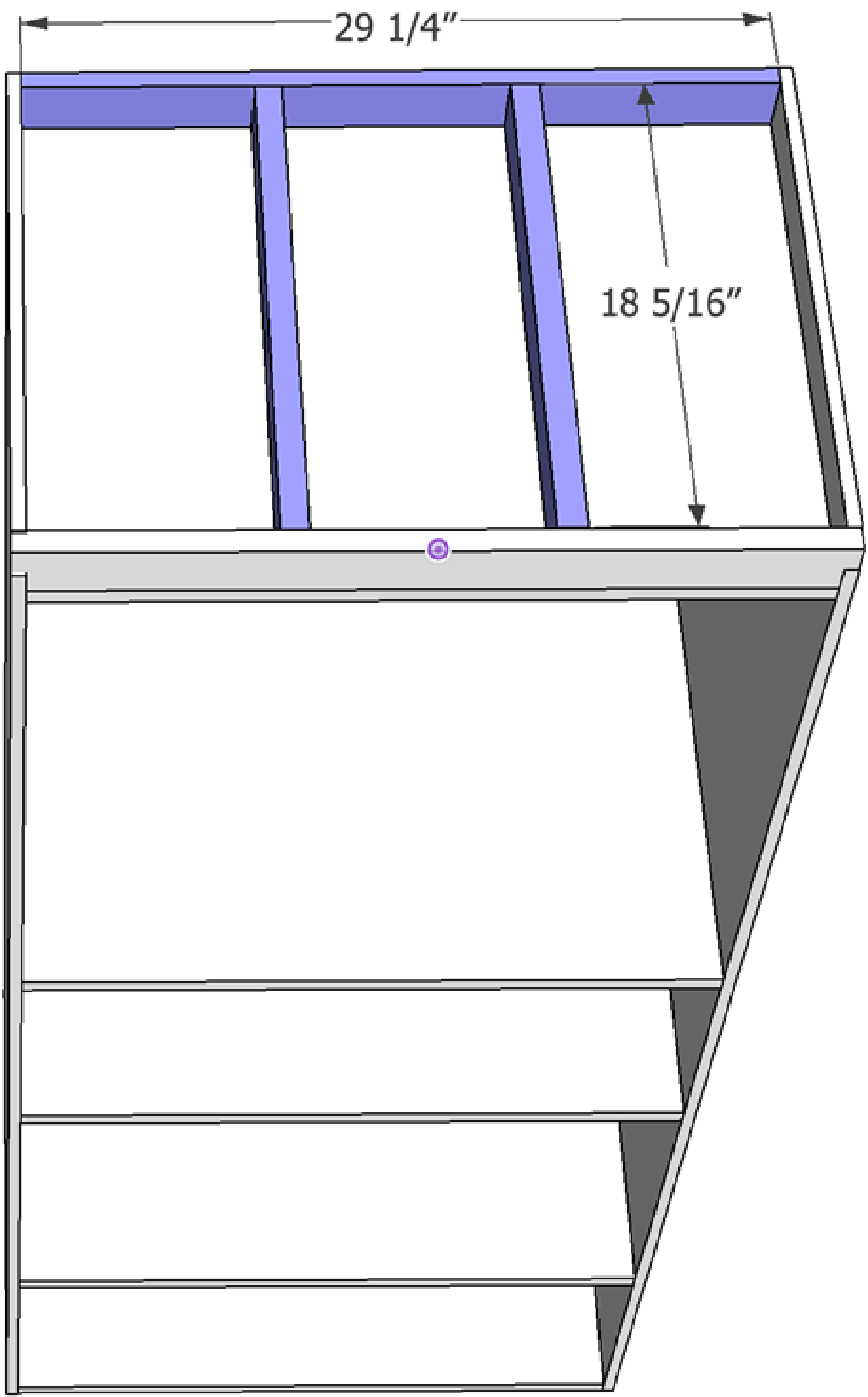
Cut out notches for bottom 1x3 trim using a jig saw and add to bookcase using wood glue and brad nails.



4

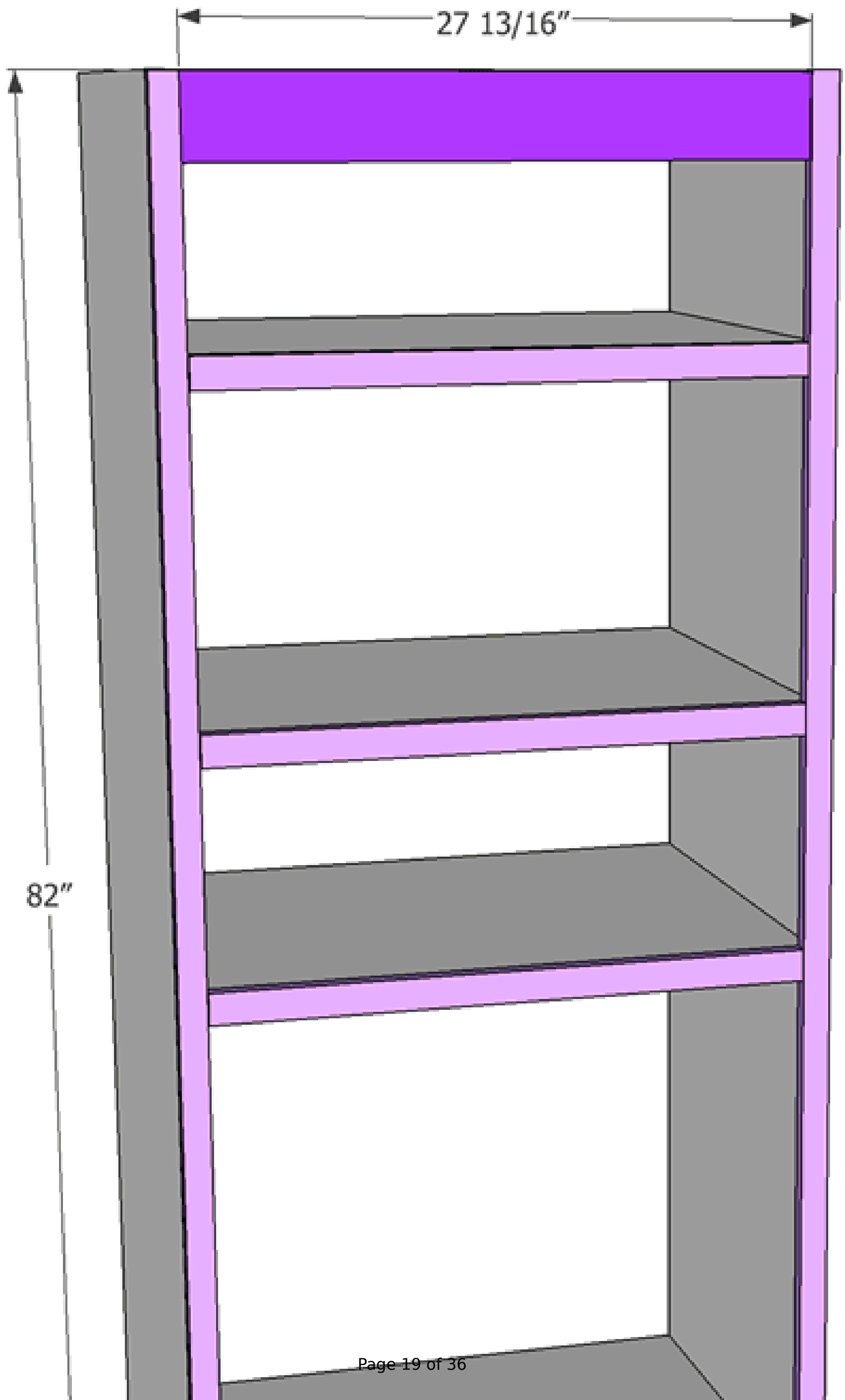
Add Bottom Braces

Add bottom braces to both bookshelves using a Kreg Jig K4 Pocket Hole System on a 3/4" setting, with 1 1/4" pocket hole screws to attach along with wood glue.



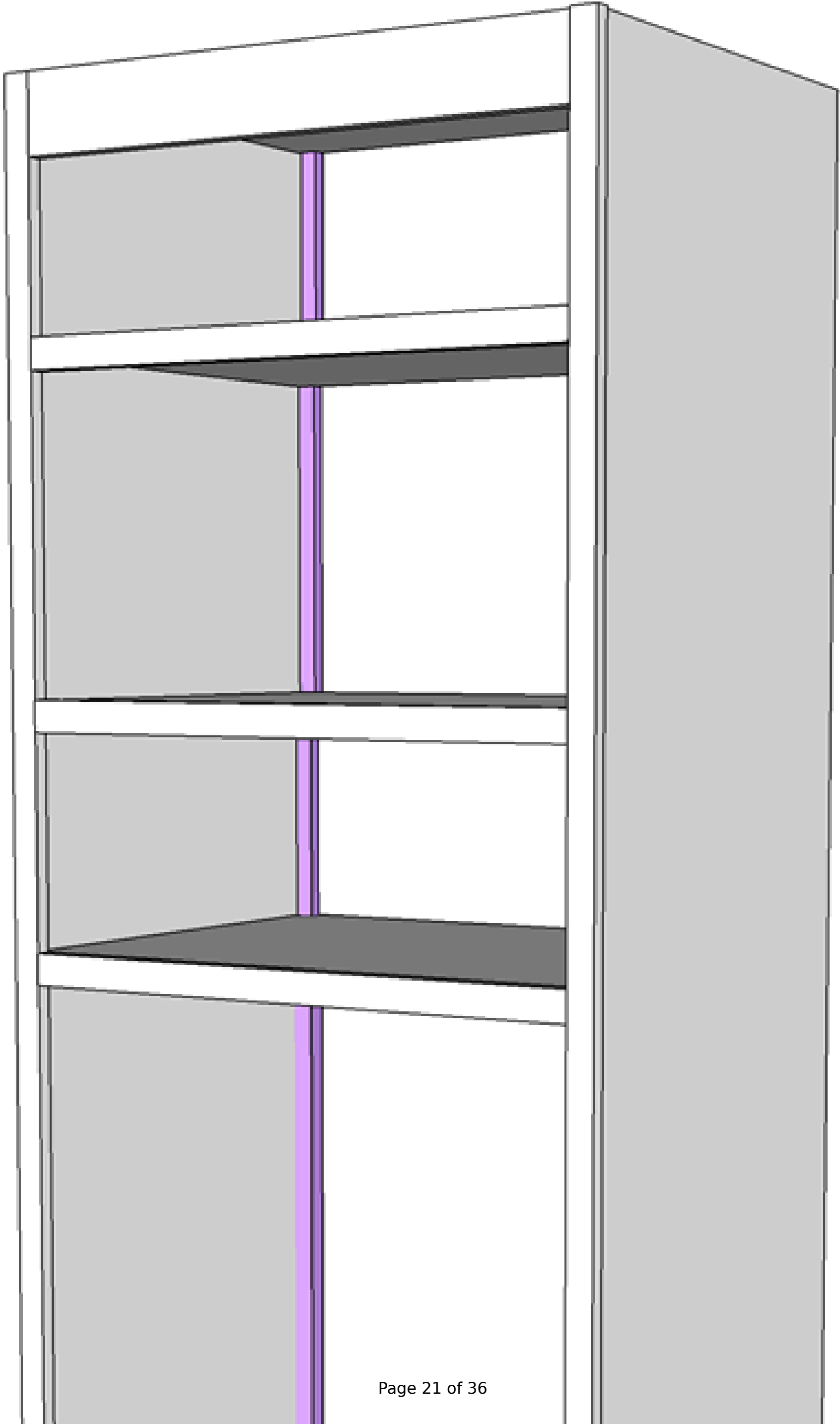
5**Add Bookcase Trim**

Add 1x2 trim to the sides of both bookcases using wood glue and brad nails and then add the bottom trim piece (ripped down from a 1x3 piece) and then add the top 1x6 trim piece along with the 1x2 shelf trim.



6**Attach Back Braces**

Attach 1x2 braces using wood glue and brad nails to the back of both bookcases between each shelf. The 1x2 braces should be inset 1/4".



7

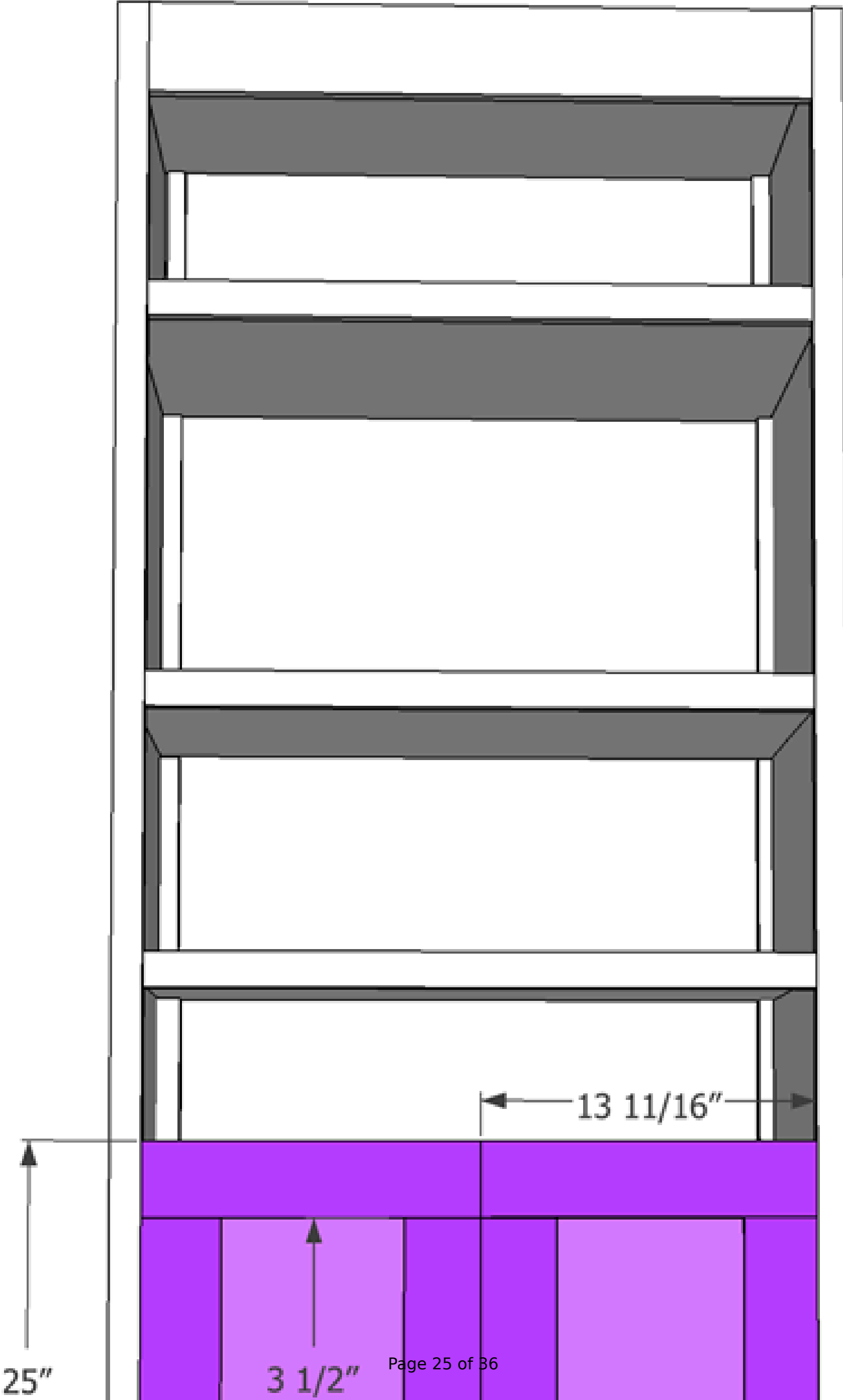
Add Bookshelf Backing

Add 1/4" plywood backing using wood glue and staples.

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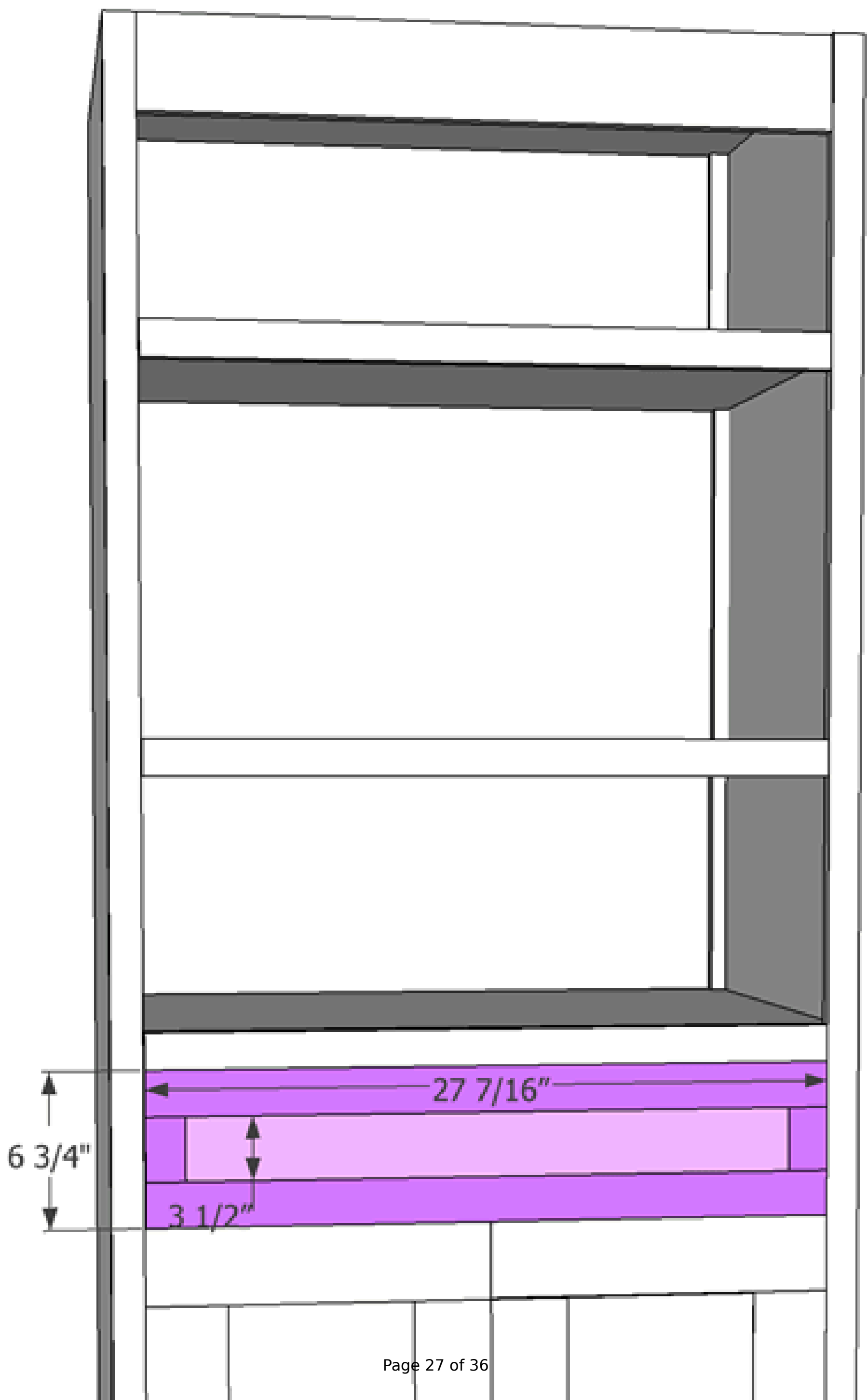
8**Assemble Bookcase Doors**

Using 1x4s, assemble bookcase doors by attaching two 13 11/16" pieces with two 3 1/2" pieces using a kreg jig on a 3/4" setting and 1 1/4" pocket hole screws along with wood glue. The attach 1/4" plywood backing to each door using wood glue and staples.



9**Assemble and Attach Faux Drawer**

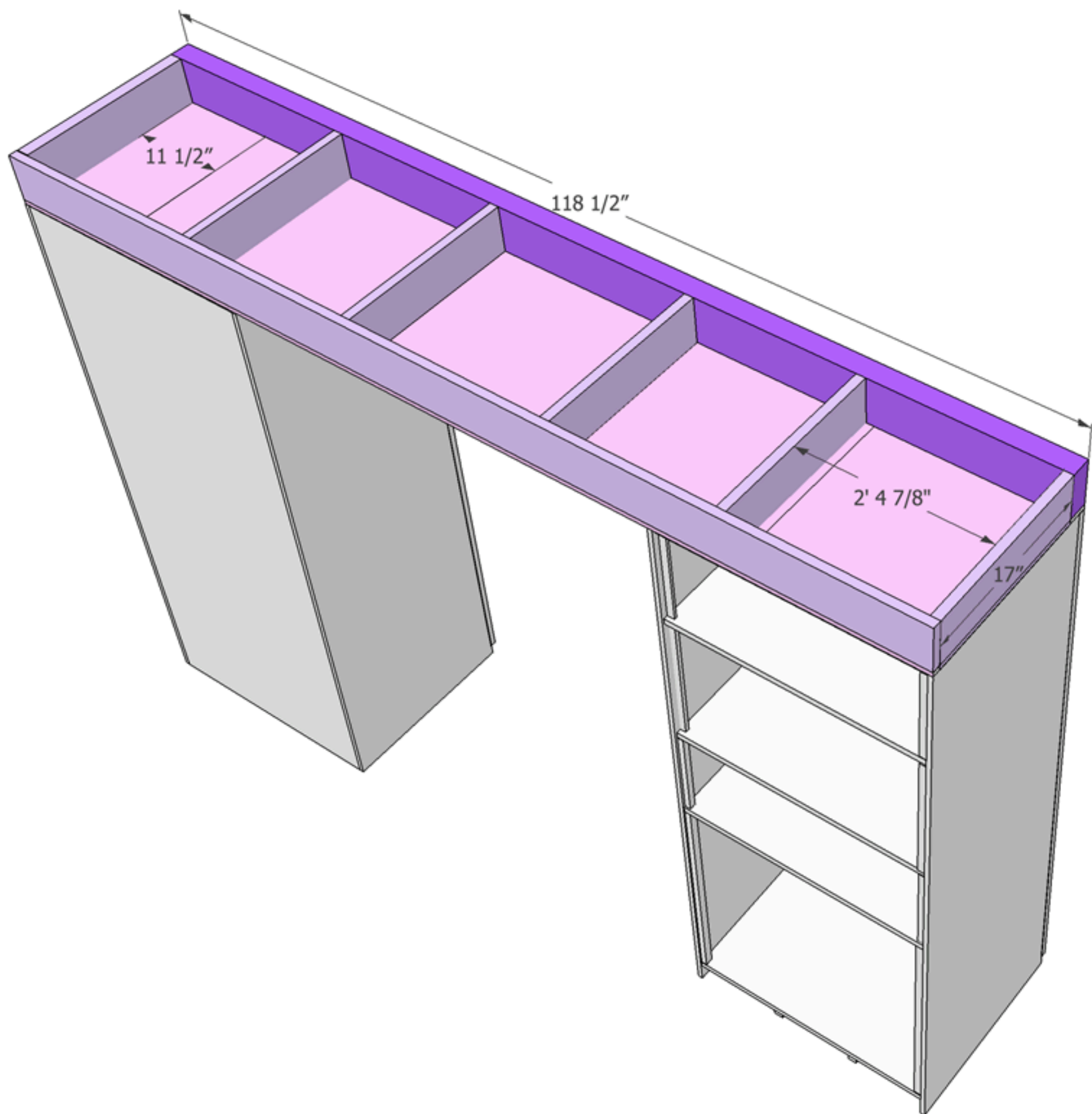
Assemble faux drawer using 1x2s, wood glue and brad nails and attach 1/4" plywood backing. Attach Faux Drawer by adding a 1x3 to the back of the drawer and attach to the side trim on each bookcase.



10

Assemble Top Brace

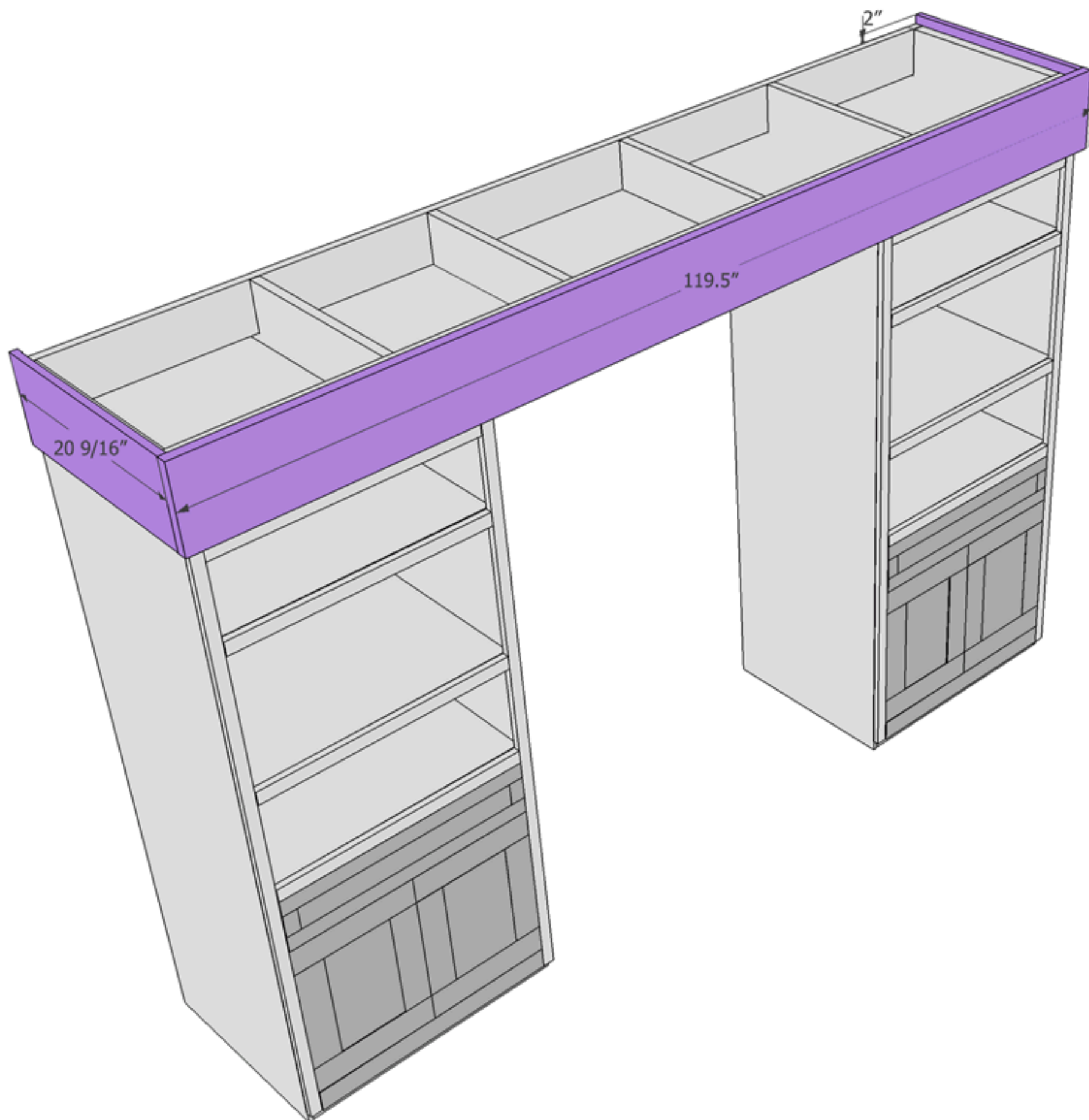
Attach the six 1x6 wood slats to the 2x6 wood piece using pocket holes and wood glue and then attach to 1x6 back long piece and then attach 96" plywood and 11.5" plywood pieces underneath.



11

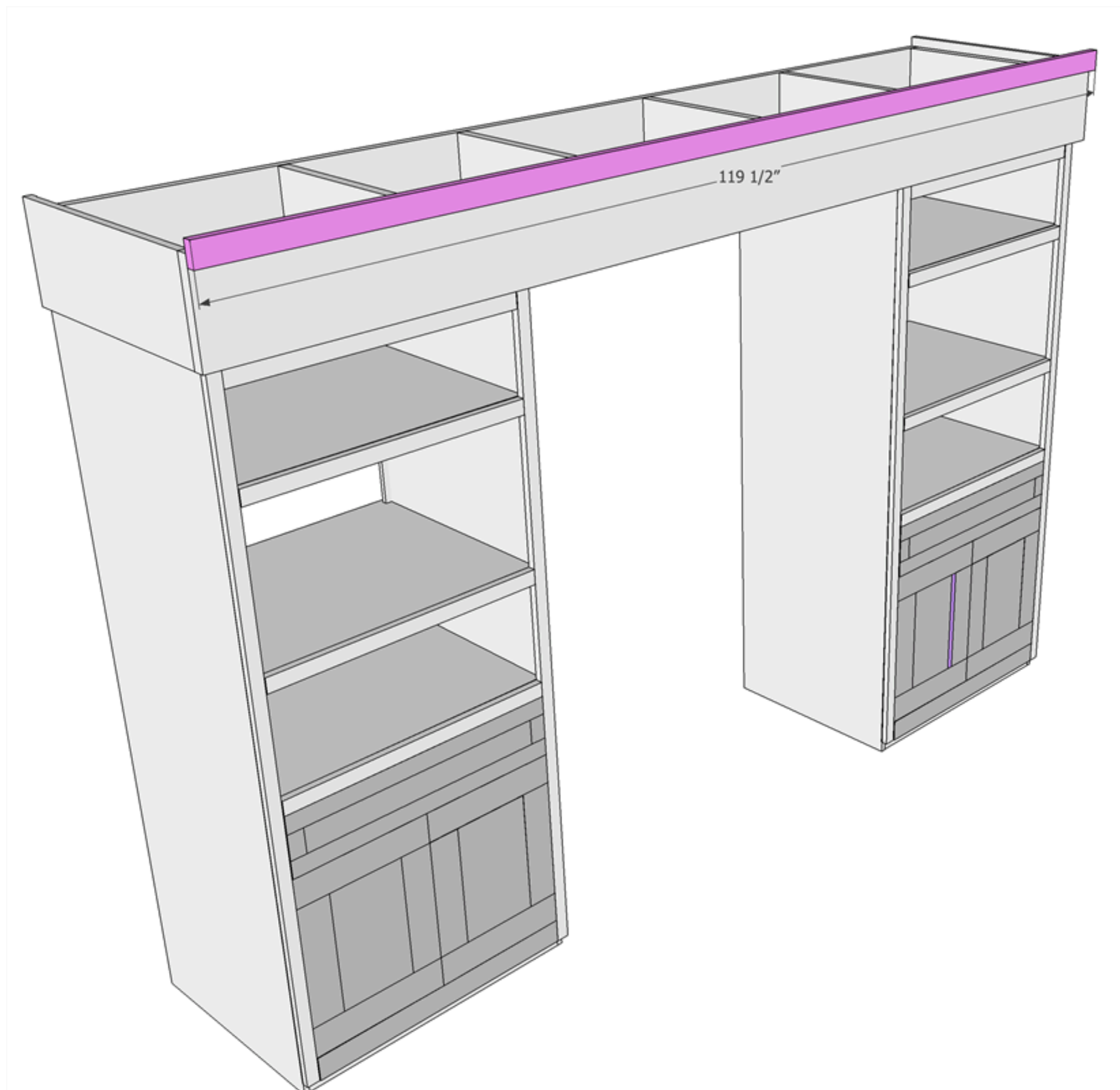
Attach 1x10 Trim

Using wood glue and brad nails add 1x10 trim to the top of the media center. The 1x10 trim should overlap over both bookcases by 2".



12**Attach Trim Moulding**

Attach Trim Moulding to top piece using wood glue and brad nails.



13**Assemble Middle Frame**

Attach 3/4" plywood pieces together using a keg jig on a 3/4" setting and 1 1/4" wood screws. Bottom 3/4" piece should be inset 2.5" (same as bookcase)



14**Add Middle Shelving**

Using a kreg jig on a 3/4" setting and 1 1/4" pocket hole screws attach middle shelving to middle unit.



15

Add Trim to Middle Unit

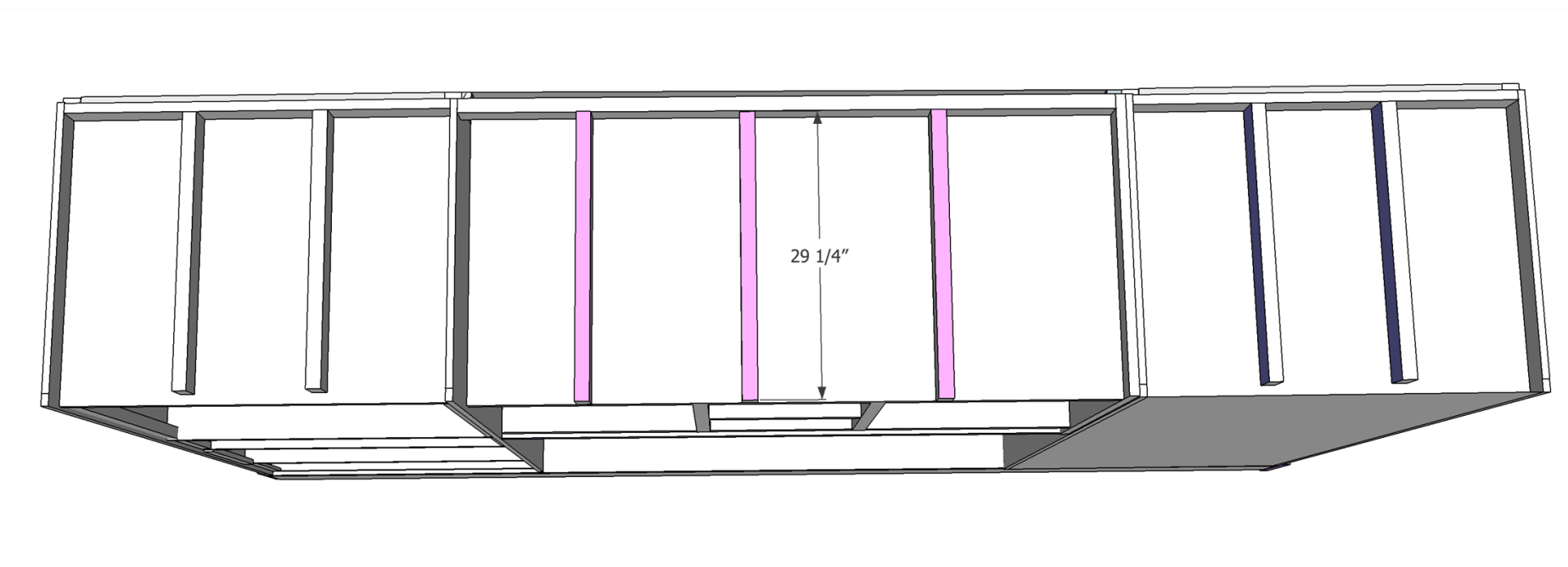
Using wood glue and brad nails add the outer trim to the middle unit.



16

Add Support Slats

Using a keg jig on a 3/4" setting add 1x3 slats to the bottom of the middle unit



17**Assemble Barn Door Frame**

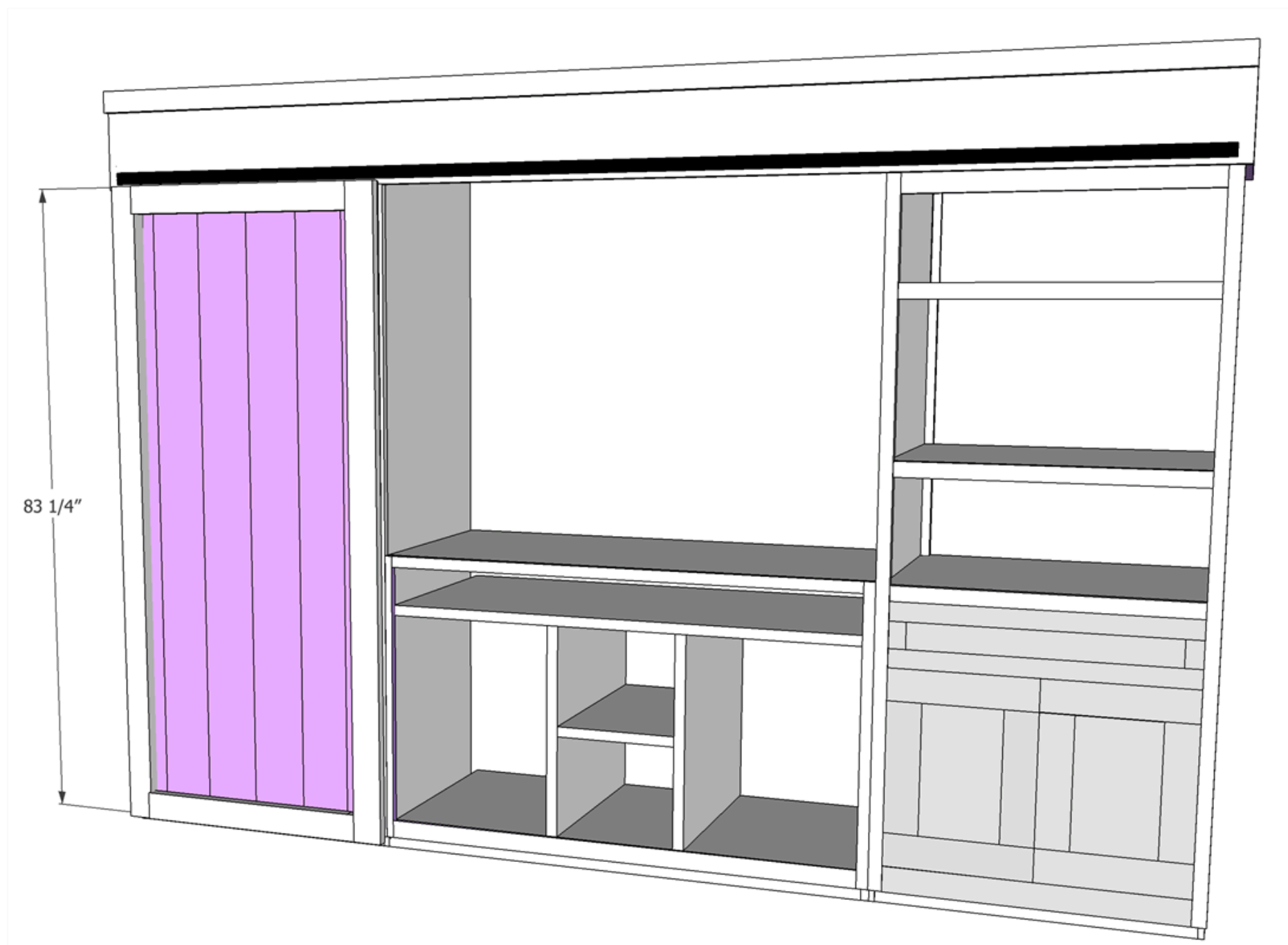
Using a kreg jig on a 3/4" setting, attach 1x4 wood pieces together using wood glue and pocket hole screws



18

Add Barn Door Slates

Add six 1x6 slates to the back of the assembled barn door using glue, brad nails and 3/4" pocket holes and add desired design. The two outer 1x6 slates will need to be ripped down in order to fit all six slatted behind the door



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