

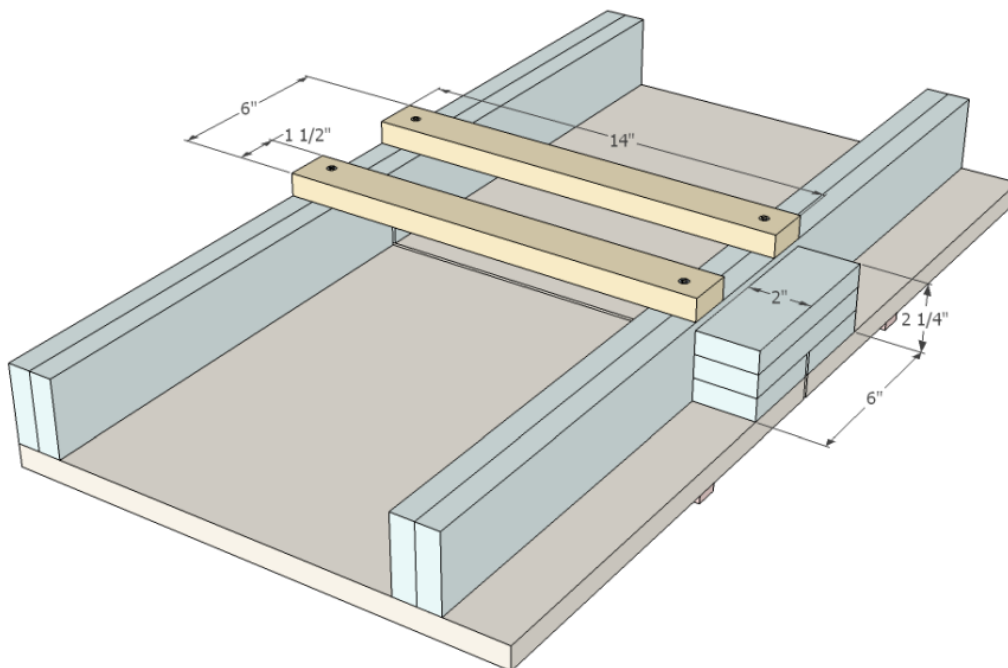
Crosscut Sled

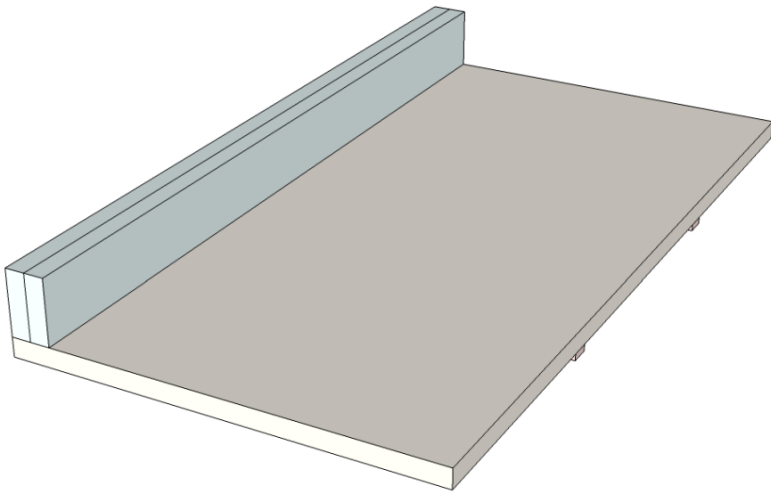
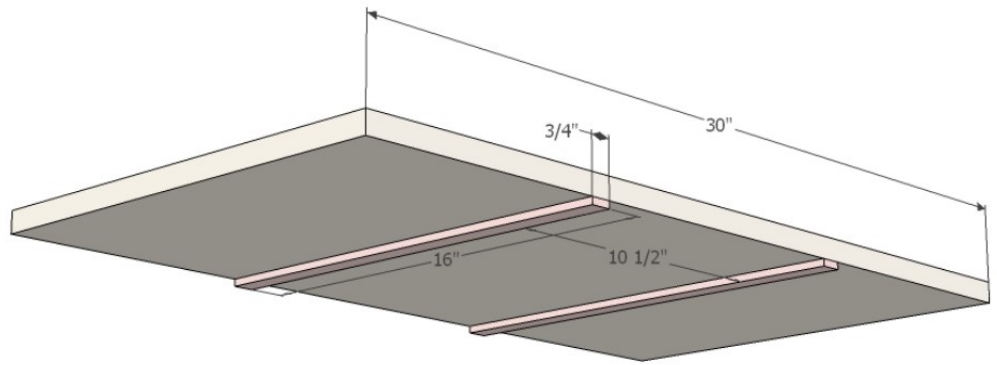
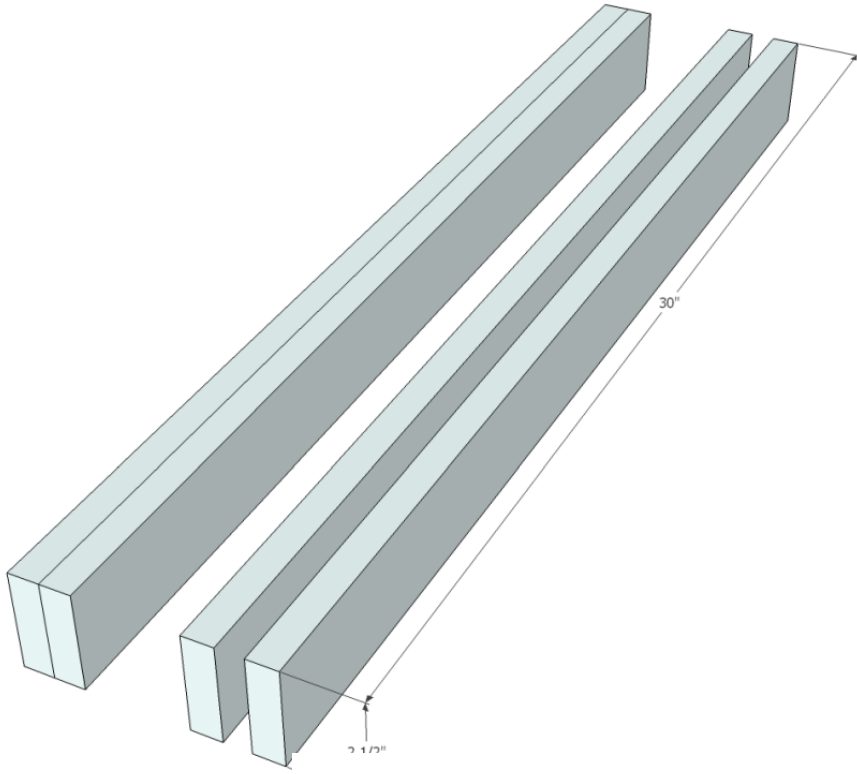
This Crosscut Sled is very easy to make and uses minimal plywood and materials to build. I used scrape 5/8 Baltic Birch plywood that I had laying around from another project.

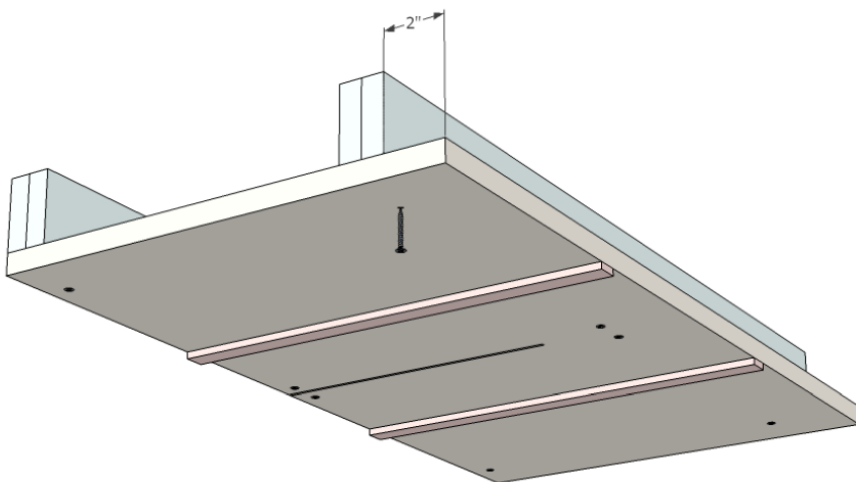
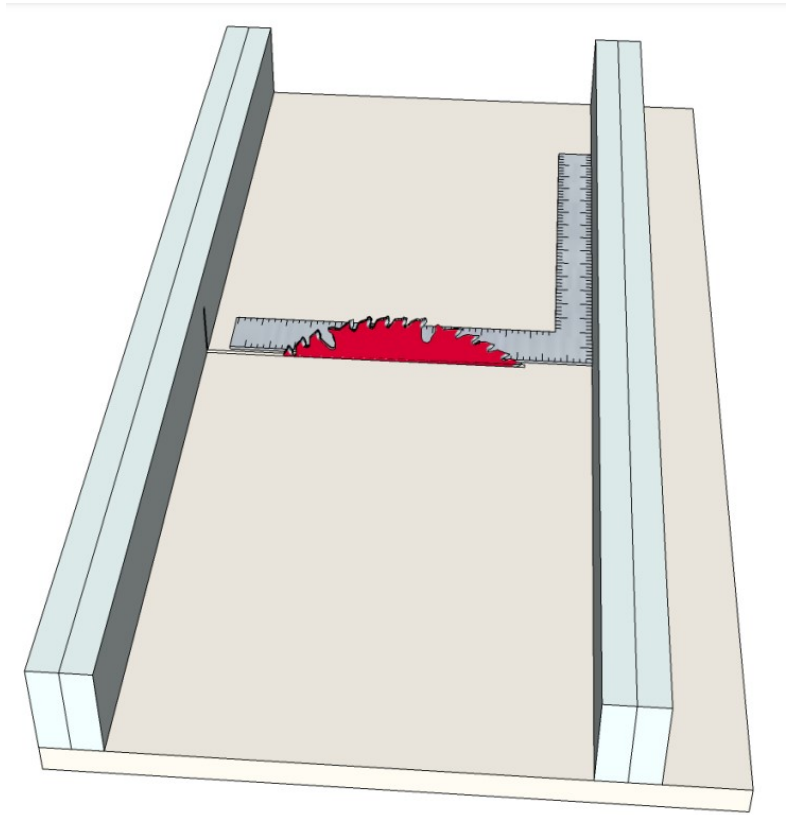
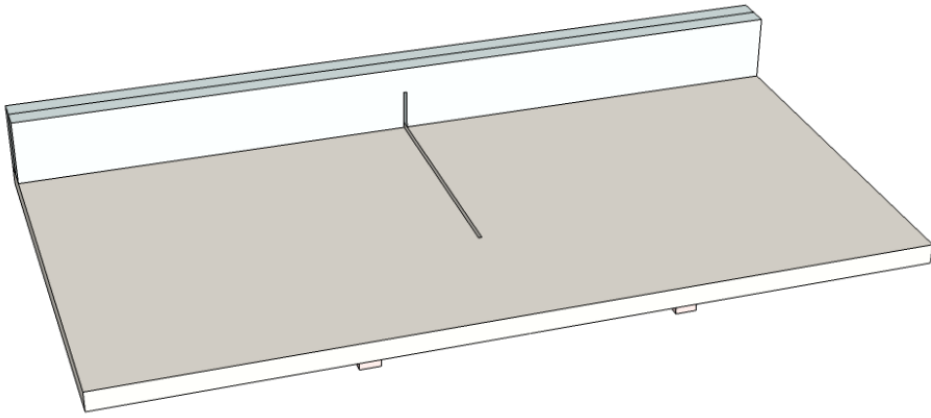
There are so many ways to make crosscut sleds with clamping systems, sliding stop blocks, aluminum rails, and a mounted measuring tape.

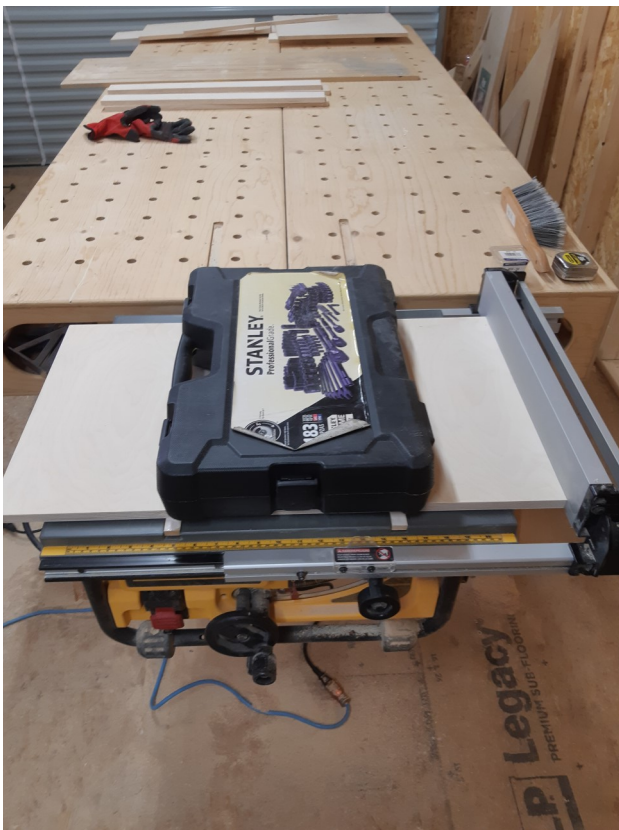
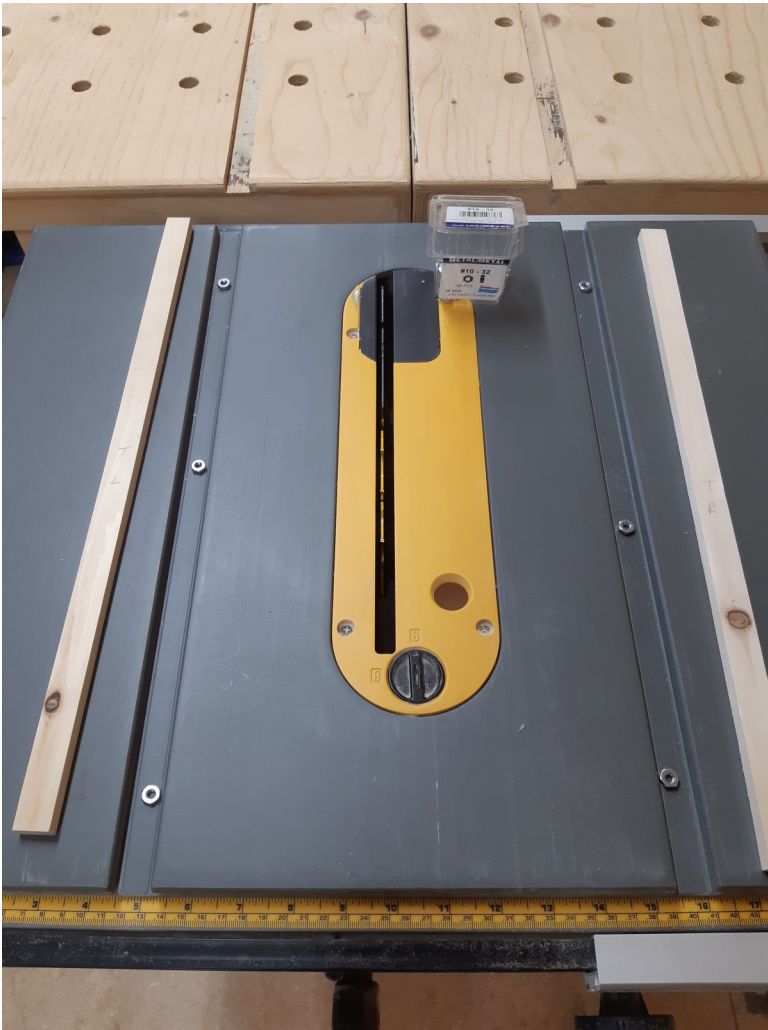
I just like to keep things simple and affordable for anyone to build.

I have included some CAD Views, pictures I took while building and material layout and cut list . I use a free online program called Workshop Buddy. Check it out [https:// workshop-buddy.com](https://workshop-buddy.com).









1. I cut out all my pieces.
2. I used my planer to plan a 3/4 inch thick pine board to 1/4 inch thick.
3. I cut this board into 2 pieces of 18 inches x 3/4 inch wide. You can use different materials for your runners. I just used what was laying around. Take your time on this to make sure they are snug with minimal side to side movement.
4. I then put 3 #10 nuts—32 nuts in each slot on the table saw so I can glue the rails to the bottom of the sled.
5. I placed the rails in the slots, moved my fence to make sure when I place the sled bottom on the rails it will be centered for my table saw.
6. I applied glue to the rails and placed some weight on the sled bottom and let it dry a few hours. (Remember, I cut my rails 18 inch and not 16 inch, is because I did not have to worry about being exact. I just wanted to have the rail stick out on both sides. I will flush cut these later.)



7. While my sled bottom was bonding to the rails, I glued the 2 fence pieces together for the front and back fences.

8. Once the sled bottom setup, I used my flush cut saw to cut the rails flush with the sled bottom. I then lightly sanded to finish the cuts.

9. I removed the clamps from the 2 fences, removed any glue, and sanded them for installing on the sled.



10. I placed my front and back fences on the sled top to make sure they were flush on both sides. One of mine was a little longer, so I trimmed it with my mitre saw and sanded again.

11. I glued and secured the back fence to the sled top. I made sure it was flush. You do not have to worry about it being square, just flush.



12. I placed the sled on the table saw and raised my blade 1 inch high and pushed the sled into the blade to make a slot for the bade and so I can square the front fence before attaching with screws to the sled top.



13. I aligned the front fence 2 inches from the front and flush to the sled top.

14. I placed my square on the right side to the fence and the blade, making sure I am missing the teeth of the blade. This is to make sure it is square to the blade only.

15. I clamped the front fence and put a screw on the right side only.

16. I removed the clamps and placed the square on the left side and squared it up again.

17. I clamped the right side again and checked both sides for squareness.

18. I put a screw from the bottom into the fence on the left side. ***Remember to always pre-drill before installing screws.***

19. I turned my saw on and cut into the front fence so the blade just came through.

20. I removed the sled and flipped it over and placed a screw 1 1/2 inch to each side of the saw cut on the front fence.

21. I placed the sled on my table saw and placed the front guards in the center of the saw cut on the front fence and screwed them in. First one wide and not going through the bottom. Then the next guard 1 inch inside from the first screws and the next guard, wide like I installed the first guard. I added the top supports and finger reminders.





22. After installing the front blade guards and the fence supports (finger reminders), I raised my blade to 1 1/2 inch, grabbed a scrap 2x4 and made a full cut through the 2x4. This allows a full slot and cut into the front blade guards without going through.

23. I removed the sled, flipped it over, gave it a quick sand, and then applied a finishing paste wax to the bottom. I let it soak in for 5 minutes and then buffed the bottom by hand.



That is it, pretty simple.

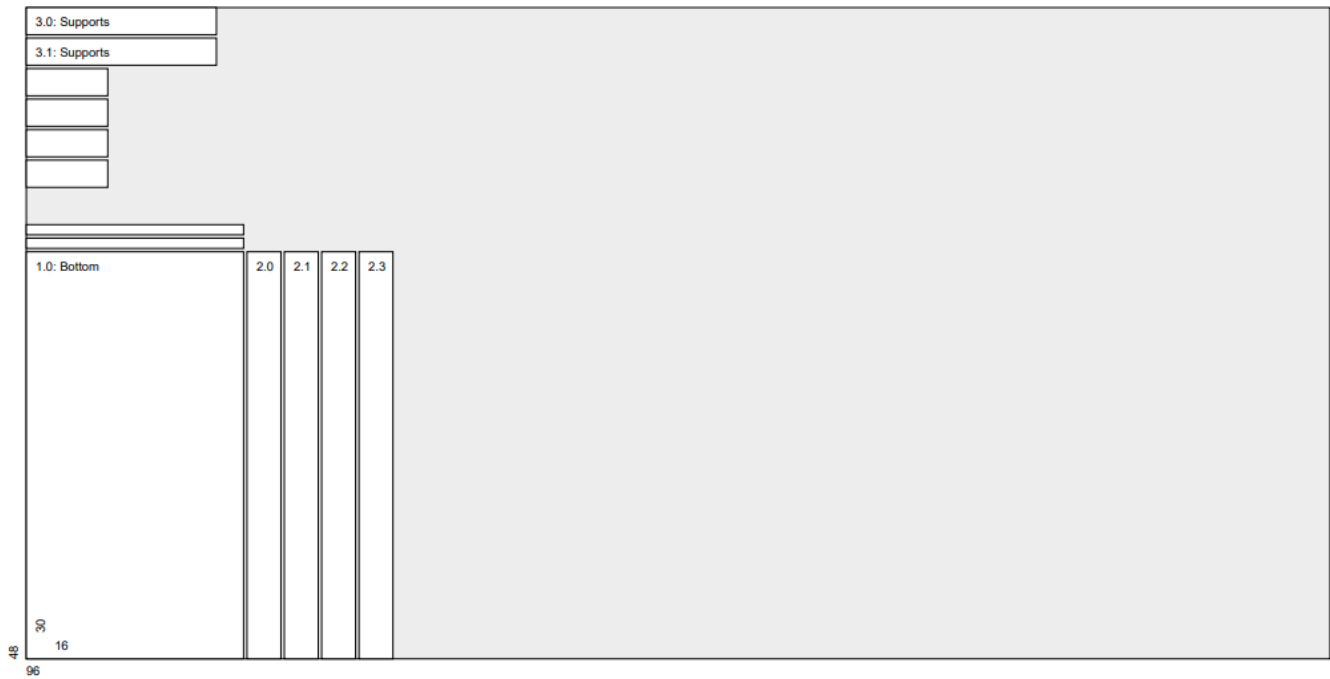
I did drill a hole in mine to hang on the wall when not in use.



Plywood Layout

STOCK: 1.0 3/4 PLYWOOD

WORKSHOP-BUDDY.COM



Cut List

Stock ID	Name	L	W	Kerf	Trimmed	Trim	Stack
1.0	3/4 PLYWOOD	96	48	0.25	No	0,0,0,0	No

Part ID	Name	X	Y	L	W	Trimmed	Trim	Banding
1.0	Bottom	0	0	16	30	No	0,0,0,0	N,N,N,N
2.0	Back and Fronts	16.25	0	2.5	30	No	0,0,0,0	N,N,N,N
2.1	Back and Fronts	19	0	2.5	30	No	0,0,0,0	N,N,N,N
2.2	Back and Fronts	21.75	0	2.5	30	No	0,0,0,0	N,N,N,N
2.3	Back and Fronts	24.5	0	2.5	30	No	0,0,0,0	N,N,N,N
3.0	Supports	0	46	14	2	No	0,0,0,0	N,N,N,N
3.1	Supports	0	43.75	14	2	No	0,0,0,0	N,N,N,N
4.0	Protection Blocks	0	41.5	6	2	No	0,0,0,0	N,N,N,N
4.1	Protection Blocks	0	39.25	6	2	No	0,0,0,0	N,N,N,N
4.2	Protection Blocks	0	37	6	2	No	0,0,0,0	N,N,N,N
4.3	Protection Blocks	0	34.75	6	2	No	0,0,0,0	N,N,N,N
5.0	Slides - Use 1/4 inch stock	0	30.25	16	0.75	No	0,0,0,0	N,N,N,N
5.1	Slides - Use 1/4 inch stock	0	31.25	16	0.75	No	0,0,0,0	N,N,N,N