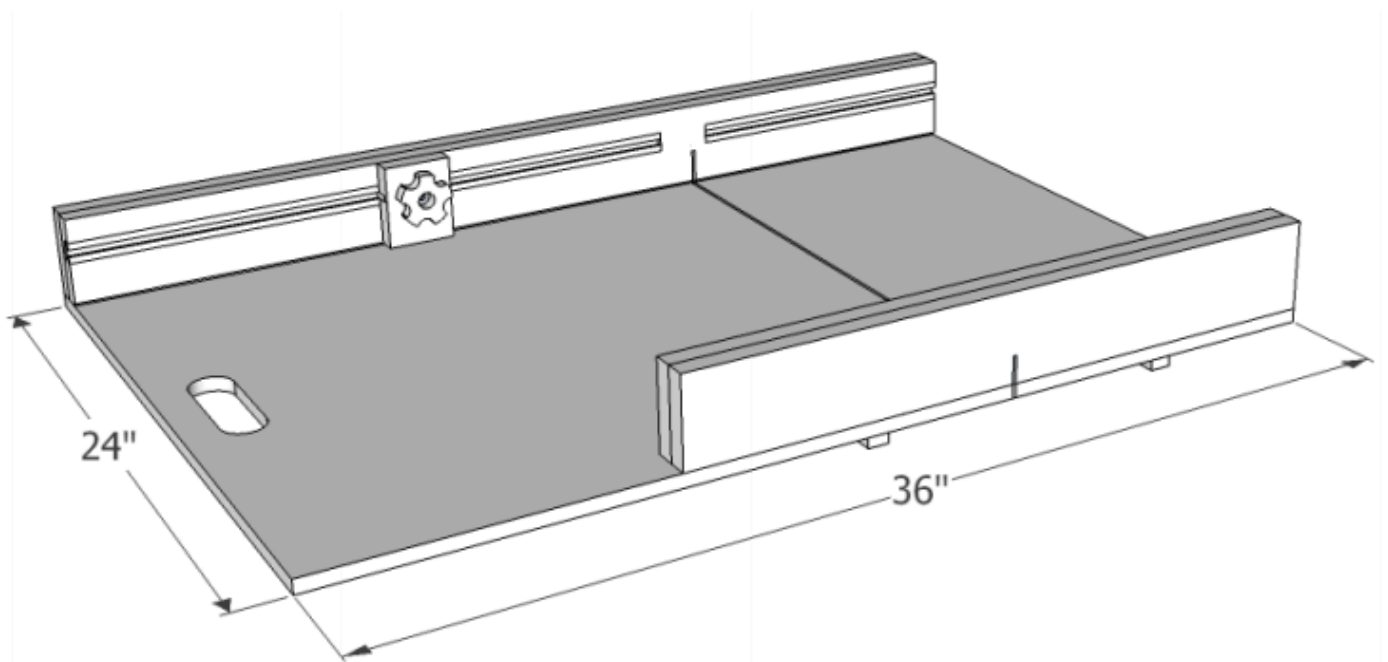


## CROSS CUT SLED PLAN

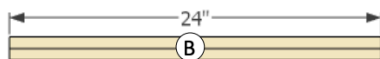
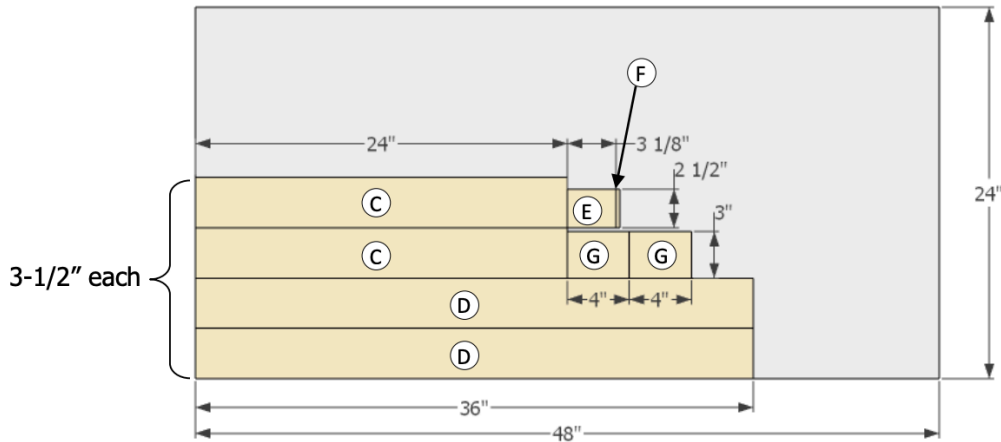
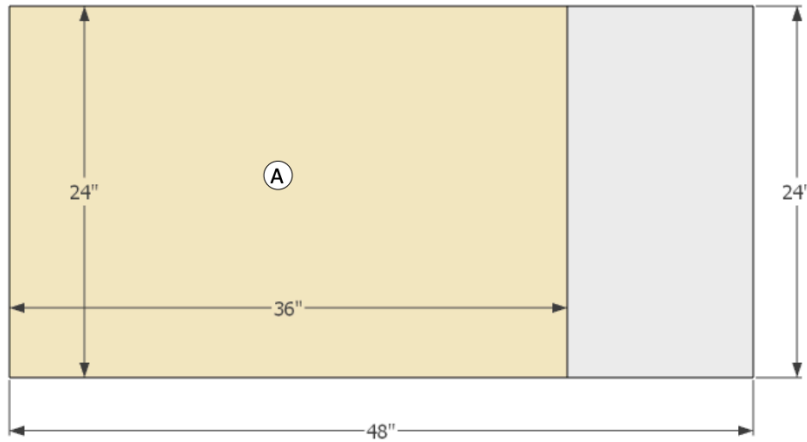
This simple table saw crosscut sled is a great addition to any table saw. It's easy to make and at 36" wide and 24" deep it has capacity for a lot of work. Add the t-track and stop block for accurate repeatable cuts in the shop.



# Parts List

Part	Description	Qty	Dimensions	Material
A	Base	1	36" x 24" x 1/2"	1/2" Plywood
B	Runners	2	24" x 3/4" x 3/8"	Hardwood
C	Front Fence	2	24" x 3-1/2" x 3/4"	3/4" Plywood
D	Back Fence	2	36" x 3-1/2" x 3/4"	3/4" Plywood
E	Stop Block	2	3-1/8" x 2-1/2" x 3/4"	3/4" Plywood
F	Stop Block Spline	1	1/4" x 2-1/2" x 3/4"	3/4" Plywood
G	Safety Block	2	4" x 3" x 3/4"	3/4" Plywood

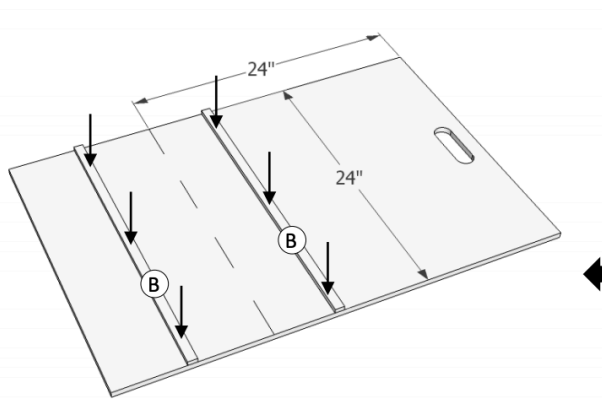
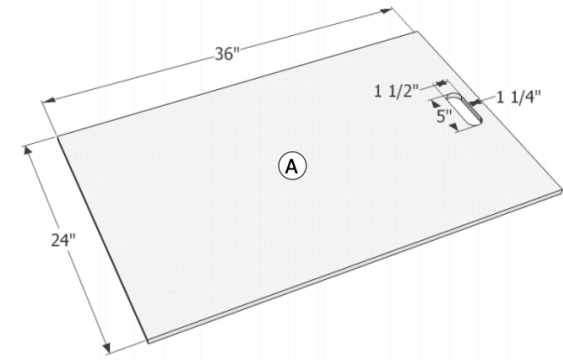
*\* Adjust measurements as necessary to fit actual cabinet due to undersized plywood*



*\* width and thickness fit to your table saw*

## Build Instructions: *(Read all steps before starting)*

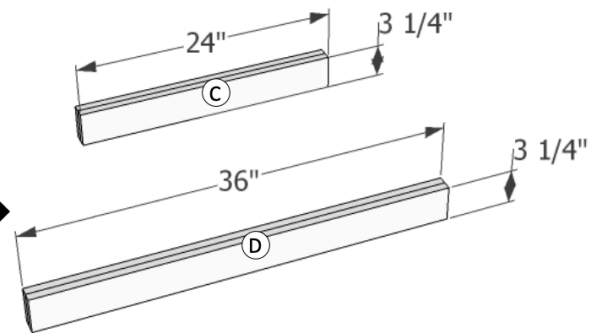
**Step 1:** Cut a sled base (A) to size and make an optional handle on the edge as shown. Use a roundover bit to in a router to ease the edges of the handle and sled where it will be grabbed.



*(sled flipped upside down)*

**Step 2:** Cut two runners (B) to size to fit your miter slots. Using the steps shown in the [blog post and video](#), attach the runners so the right side will be 24" from the blade line of your saw. Predrill and countersink runners and attach with 5/8" screws from bottom.

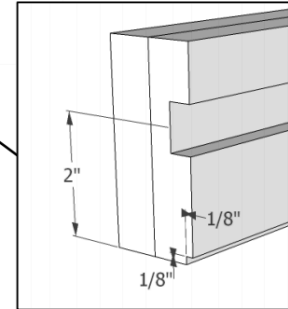
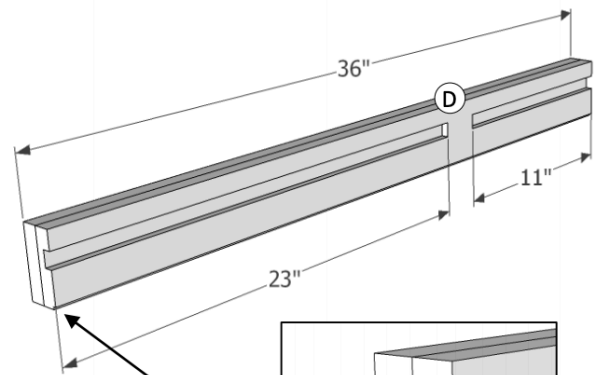
**Step 3:** Use two front fence (C) and two back fence (D) parts. Glue up the two fences using oversized parts as seen in the parts list. After glue up flatten the top and bottom of the fence and cut down to size as shown. Put a roundover on all the top and side edges of the fences.



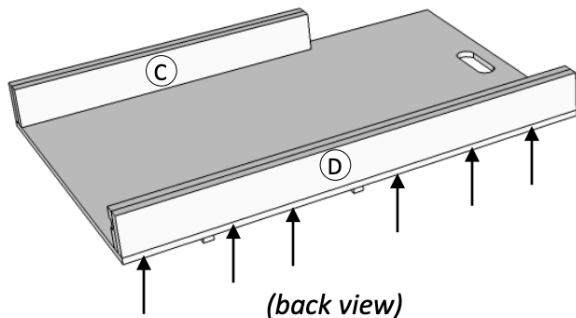
## Build Instructions: *(Read all steps before starting)*

**Step 4:** Inset the t-track into the back fence (D) leaving 2" where the blade will pass through the fence. Notches for the track should be made for your specific track and centered 2" up from the base of the fence. Add an  $1/8" \times 1/8"$  groove along the bottom of the fence (during use this will capture sawdust and keep cuts straight).

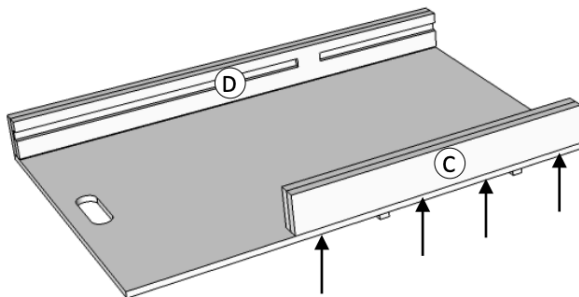
*Note:* See [the video](#) for how to route stopped dados or alternatively run track the entire length of the fence.



*(detail inset)*

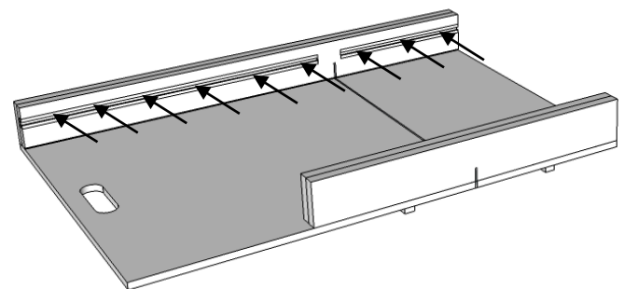


*(back view)*



*(front view)*

**Step 5:** Secure the front fence (C) to the sled with 1-1/2" screws through countersunk holes on the bottom of the sled. Cut through the sled until 3" from the back of sled. Use the saw cut line to line up the back fence (D) and attach with 1-1/2" screws. Use the 5 cut method shown in [the video](#) to tune in the fence.

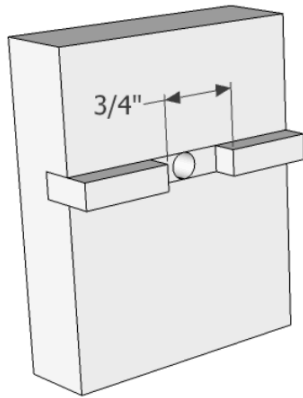
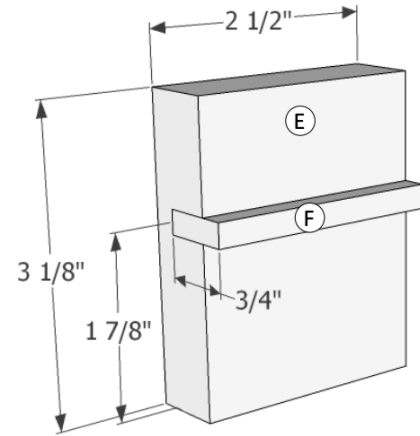


**Step 6:** Attach the t-track to the back fence with appropriate size screws.

## Build Instructions: *(Read all steps before starting)*

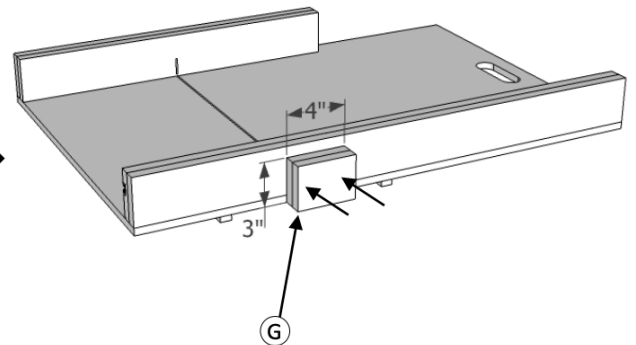
**Step 7:** Cut a stop block (E) and stop block spline (F) to size. Stop block spline should fit snugly but slide freely in the t-track installed on the fence. Cut a dado in the stop block to accept the spline. Dado should be deep enough to let the stop block touch the fence without the spline hitting the back of the t-track. Glue parts together once fit and round stop block edges with sandpaper.

*Note: When installed the stop block should rest 1/8" off the sled base flush with the top of the rabbet.*

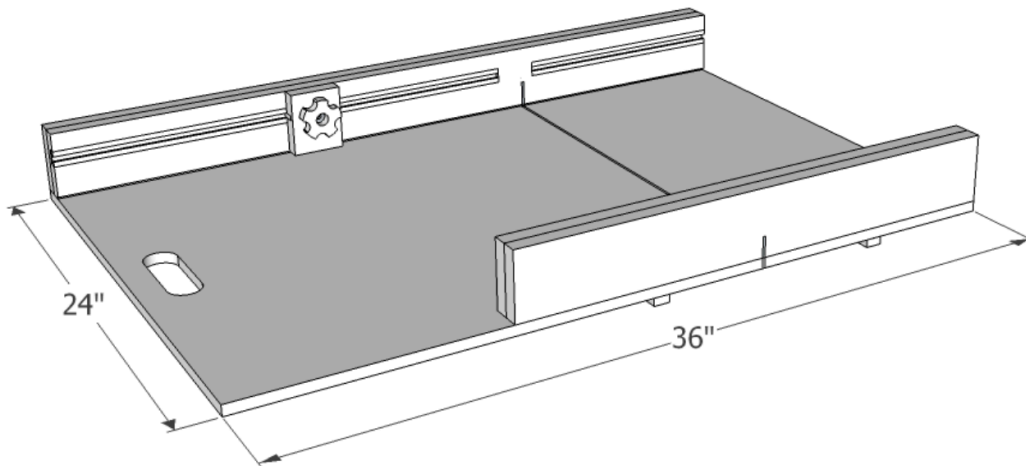


**Step 8 :** Drill a 1/4" hole through the spline and stop block, centered on the spline. Remove the middle 3/4" of the spline down to the stop block with a chisel.

**Step 9:** Cut two safety block parts (G) to size. Glue parts together and roundover all sides that won't contact the sled. Drill two countersunk holes and mount safety block to back of sled directly over the saw blade exit point with 2" screws. Use a small shim to raise the block off the table when mounting so it won't drag.



**Step 10:** Install stop block using a t-bolt, washer and knob on either side of sled. Optionally can add a stick-on tape measure for quick setup of the stop block (I prefer just using my handheld tape measure and measuring to the cut line)



1

#### Tools Used

- Tablesaw
- Miter Saw
- Router
- Cordless Drill
- 1-1/2" Forstner Bit (or spade bit)
- 1/4" Drill Bit
- Feeler Gauge

#### Materials/Supplies

- 3/4" Plywood
- 1/2" Plywood
- Maple Runners
- Miter Track
- T-bolt
- Star Knob

