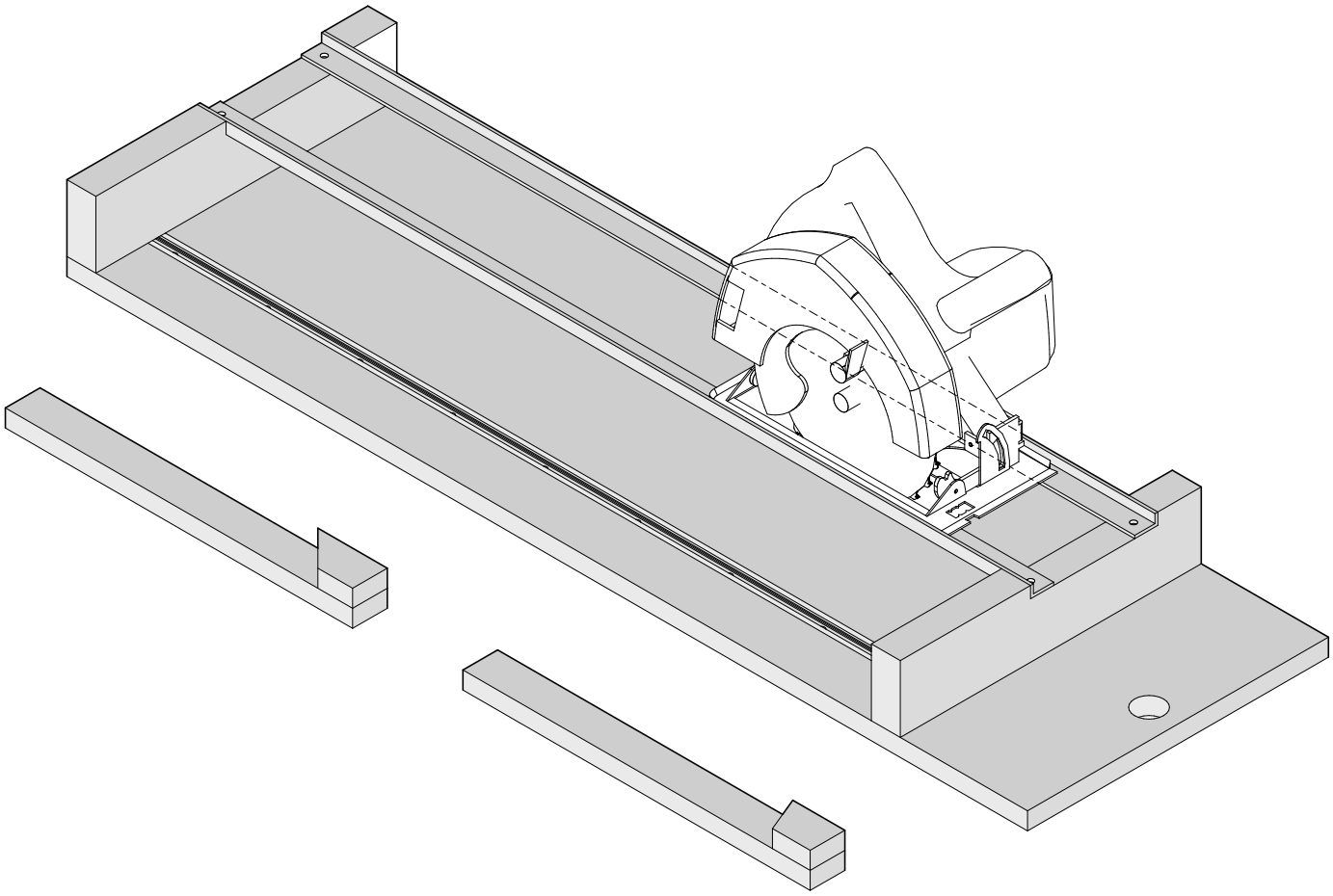
DIY CREATORS

Circular Saw Crosscut Jig

Multi-Use for Circular Saw and Router



GLEN SCOTT

CUT LIST

Part	Quantity	Length (L)	Width (W)	Thickness (T)	Material
Base	1	41 1/2" (1054.1 mm)	13" (330.2 mm)	3/4" (19.05 mm)	Plywood
T-Track	1	36" (914.4 mm)	3/4" (19.05 mm)	3/8" (9.525 mm)	Aluminum
Risers	2	13" (330.2 mm)	2 7/8" (73.025 mm)	1 1/4" (31.75 mm)	Wood
Saw Track	2	36" (914.4 mm)	1" (25.4 mm)	1/2" (12.7 mm)	Steel
Long Miter Piece	2	15" (381 mm)	1 1/2" (38.1 mm)	3/4" (19.05 mm)	Wood
45° Fence Attachment	1	3" (76.2 mm)	1 1/2" (38.1 mm)	3/4" (19.05 mm)	Wood
22.5° Fence Attachment	1	2 1/4" (57.15 mm)	1 1/2" (38.1 mm)	3/4" (19.05 mm)	Wood

MATERIALS

Lumber

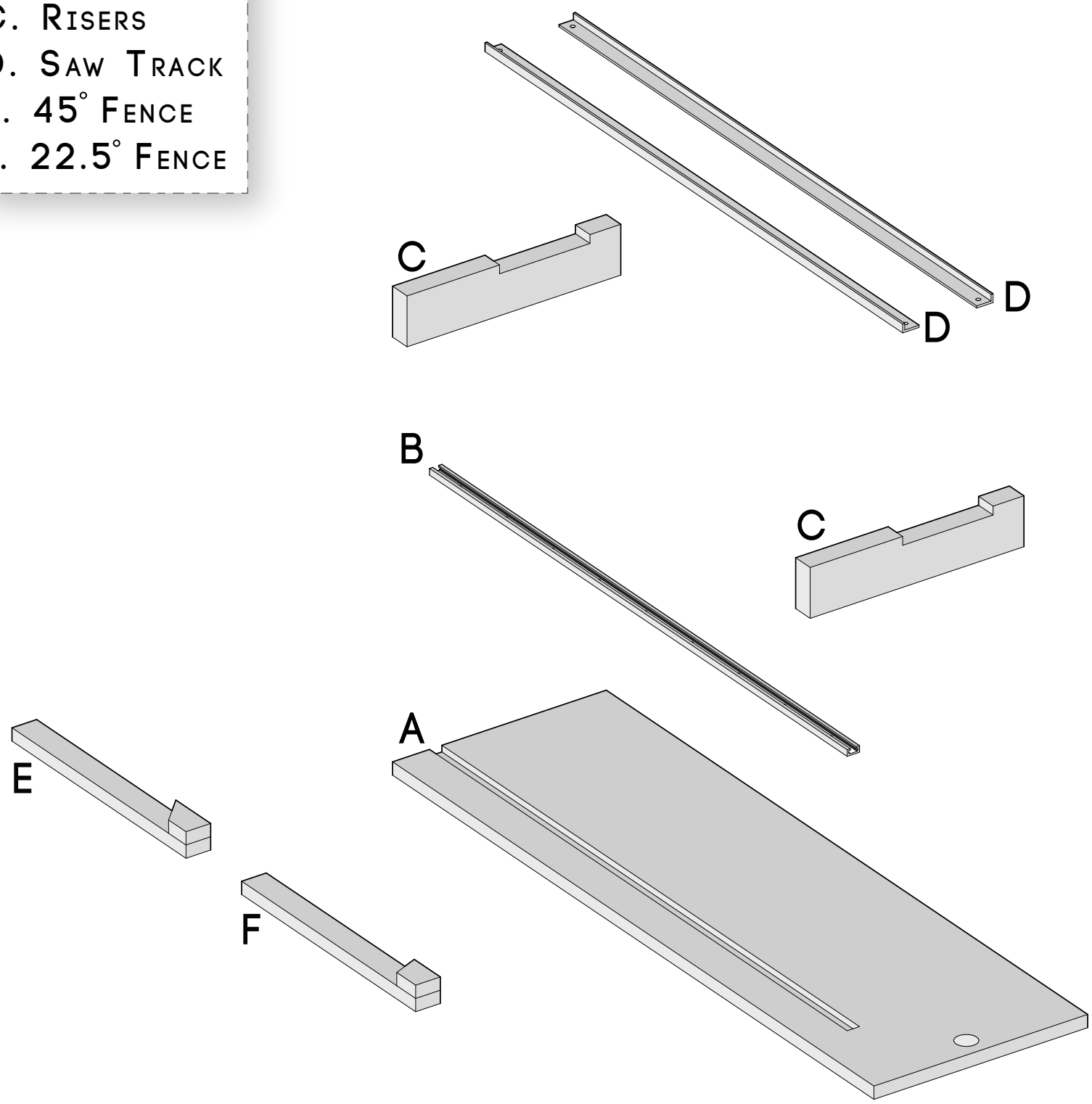
-(1) Half sheet of plywood (A)
-(1) 36" 1"x2" select pine (E,F)
-(1) 30" 1 1/2"x3" mahogany (C)

Hardware

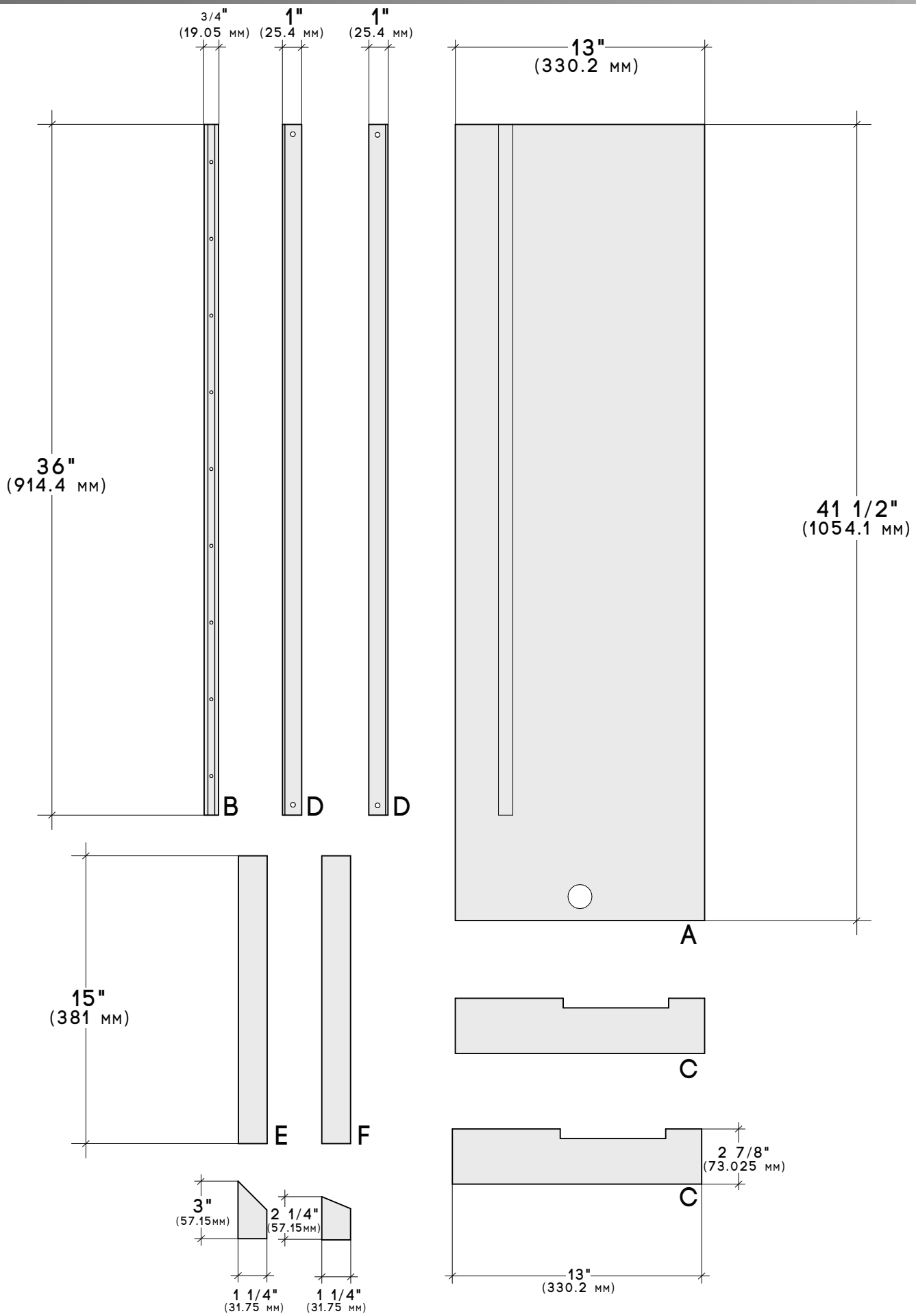
- C-channel plain steel (D)
-(1) 36" T-track (B)
-(1) 2 1/2" T-slot bolt
-(1) Hold down clamp
-(8) 2" wood screws
-(9) 5/8" #6 screws
-(4) 10/32"x 3/4" flat head screws
-(6) 10/32" threaded insert
-(1) L-bracket (for blade guard) (optional)

PROJECT OVERVIEW

A. Base
B. T-Track
C. Risers
D. Saw Track
E. 45° Fence
F. 22.5° Fence



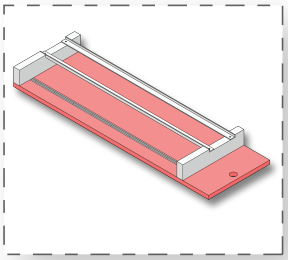
PROJECT OVERVIEW

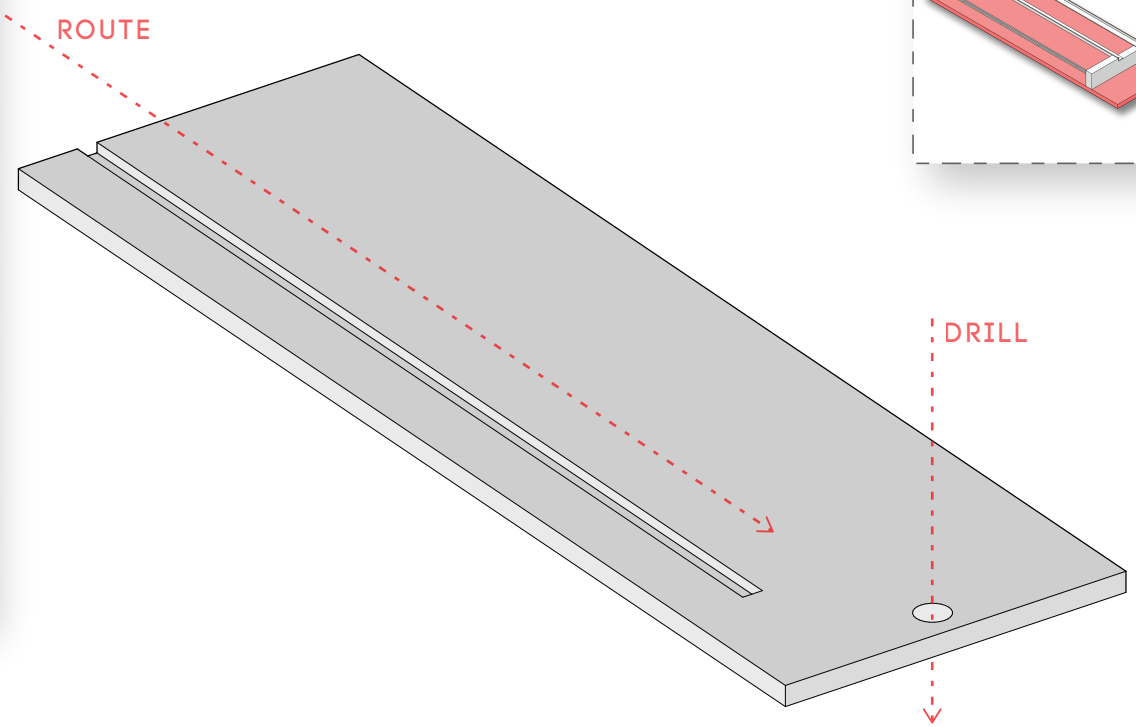


STEP 1 : CUT AND ROUTE BASE

- Use a 3/4" router bit to create the slot for the t-track(B). The track should be 3" from the edge of the base(A).
- Drill a hanging hole on the opposite end of the base. (1"- 1 1/2")
- Sand all surfaces of the base and install the t-track.

NOTE: The surface of the t-track should be flush with the surface of the base.

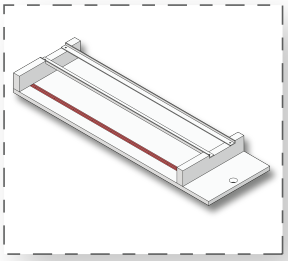




STEP 2: SPLIT C-CHANNEL

- Cut the c-channel (D) down the center. Both halves will create the saw guide.

NOTE: A reciprocating saw, band saw, or angle grinder with metal blades can be used to achieve this.



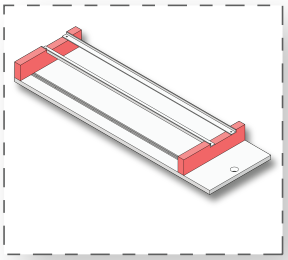
STEP 3 : RECESS THE SAW GUIDE

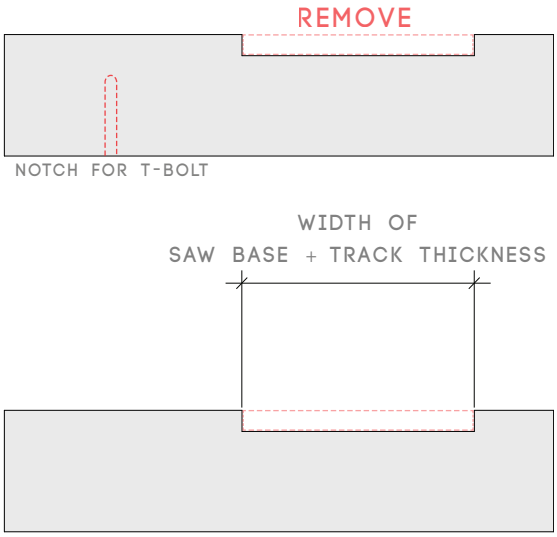
- Cut out portion of the risers(C) for the saw tracks(D). The depth should be equal to the depth of the saw track. The width varies depending on the circular saw.

NOTE: Use a chisel or dado to achieve this.

- Align the risers with the base(A) to mark the location of where the t-bolt would be. Chisel out the area.

NOTE: The t-bolt is used for the hold down clamp. The carved out notch is convenient for getting the bolt out of the way when not in use.



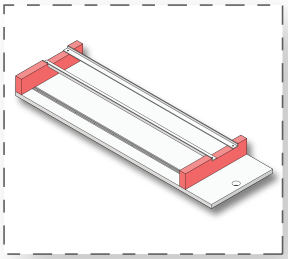


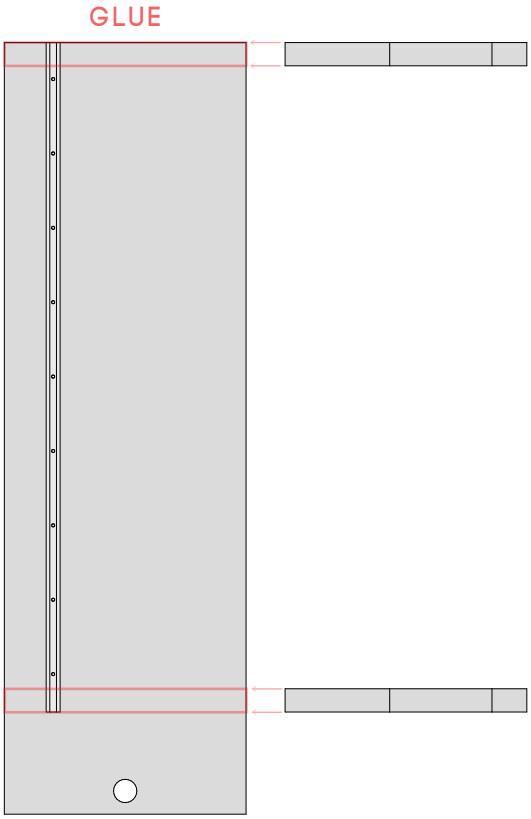
STEP 4: ATTACH RISERS TO BASE

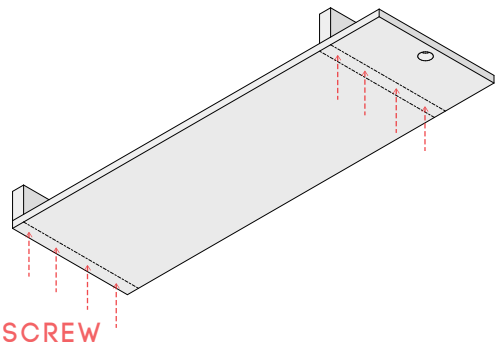
- Glue and clamp the risers(C) into place.

NOTE: Place t-bolt into the t-track(B) before installing risers.

- Use 2" wood screws to secure the risers to the base.



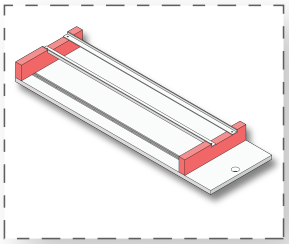




STEP 5 : ADD THREADED INSERTS

- Place saw tracks(D) onto installed risers(B).
- Drill pilot holes centered on the tracks and risers.
- Countersink the holes on the saw tracks to the width of the head of the flat head screws.
- Drill and install threaded inserts into the risers.
- Screw saw tracks into place.

NOTE: In order to adjust the jig for a router, repeat the same method used for the base of your saw. Place additional threaded inserts and move and screw one of the tracks.



STEP 6 : MITER ATTACHMENTS

- To ensure accuracy, use a speed square as a reference.
- Place the long fence piece(E) against the speed square set to the desired angle.

NOTE: One end of the long piece should extend past the cut area of the saw blade. The other end should extend at least 3" past the edge of the base(A).

- Mark and drill a hole for the t-bolt. Install knob and tighten in place.
- Finally, glue and attach the small mitered piece.

ENJOY!