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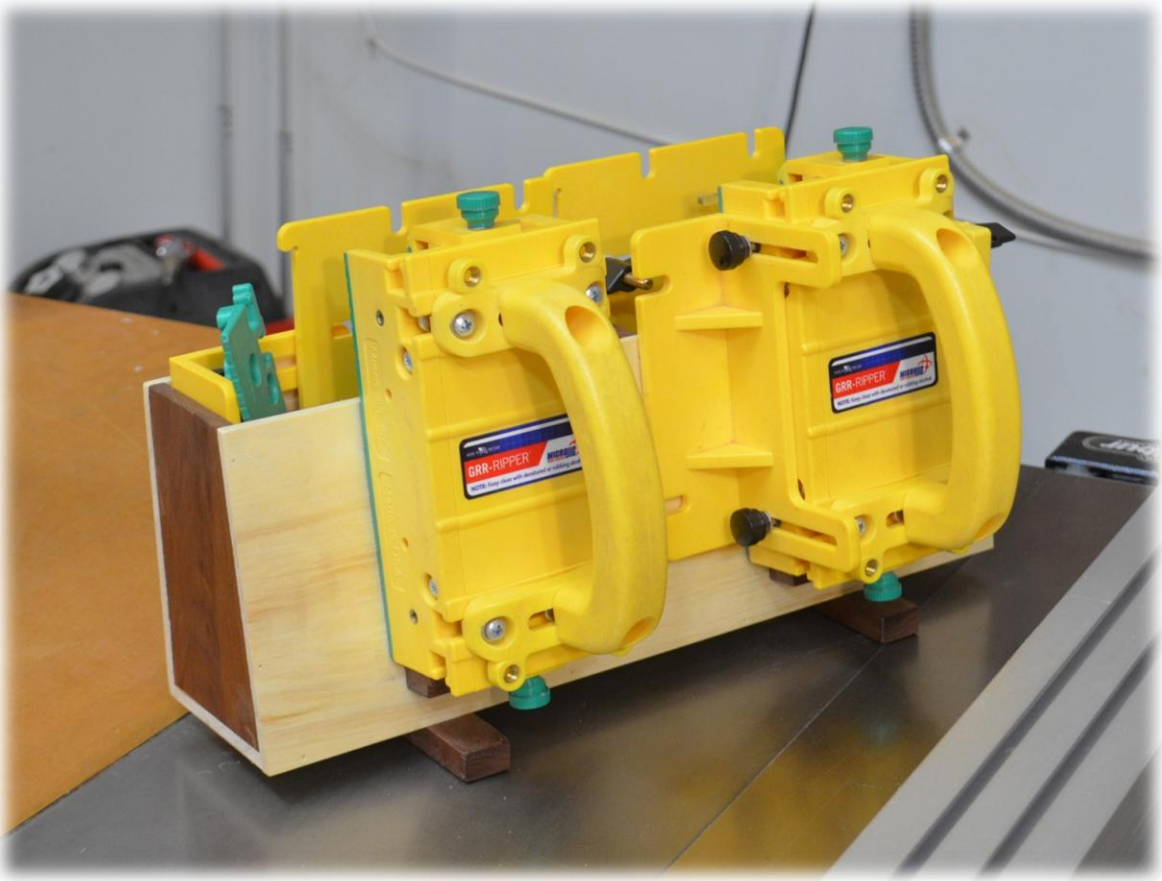
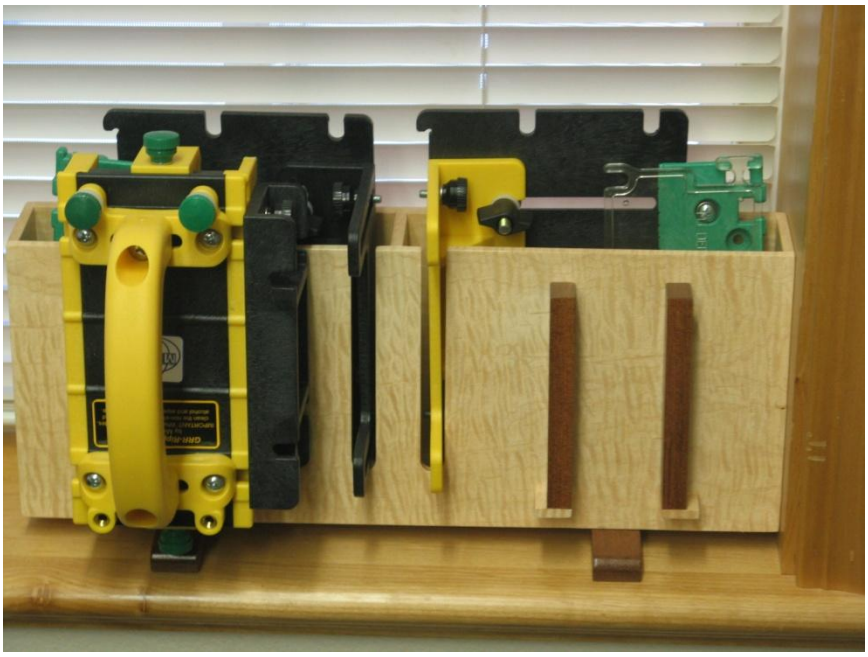


GRR-RIPPER Keeper 2.0

Micro Jig's GRR-Ripper push blocks are an invaluable accessory in your shop. The safety, accuracy and flexibility they offer cannot be found with any other system. But you accrue none of these benefits if they are tucked in a drawer or cabinet when you need them.

GRR-Ripper owner Russ Alexander sent us photos of a GRR-Ripper Keeper design that he came up with to keep both his push blocks and all their accessories available and close at hand when needed. It is a terrific design and Russ was kind enough to allow us to share his plans with you!

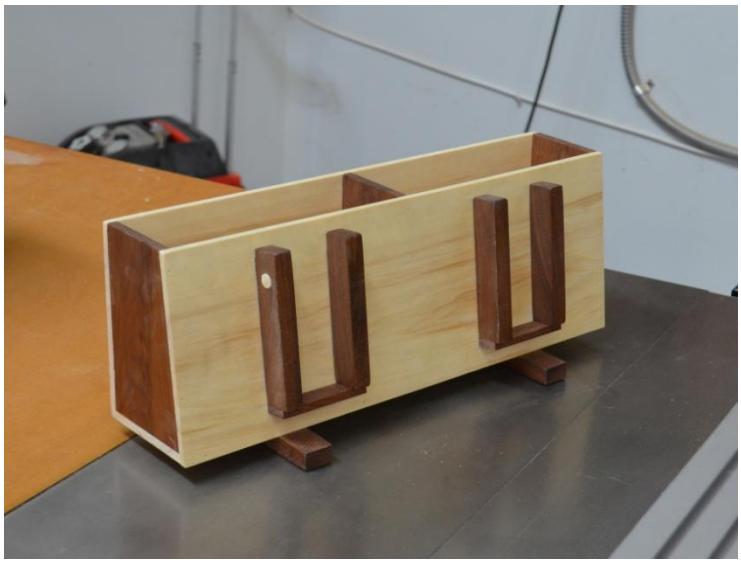


Courtesy of Russ Alexander

Courtesy Russ Alexander

The Keeper features two open top compartments each large enough to hold the accessories for a single GRR-Ripper with mounting cleats on the angled front to hold the GRR-Rippers. Russ's clever design uses a dowel mounted in the outer cleats to create a light friction fit to hold the GRR-Rippers ready for use.

As many of you are aware, we built our own GRR-RIPPER Keeper and you have seen it in many of our videos. But recently we brought it to a show and on the way home, disaster struck and our keeper was destroyed!



A new one was needed, and armed with years of experience with Russ' original design, we opted for an updated version, Keeper 2.0

The original had slots cut in the front face to allow the Balance Support to extend beyond the storage pocket in the back.

These slots are where our original keeper failed since they removed a lot of structure from the front wall. By making Keeper 2.0 a little wider, the balance support easily fits in the pocket eliminating the need for the slots. This makes the build easier, and the overall keeper stronger. A few other minor changes are also included.

These updated plans contain the steps and drawings needed to make the Keeper 2.0

The body of the Keeper is made up of ¼" thick stock, while the cleats and feet are made from ½". The Keeper can be made from just about any scrap you have laying around the shop. Since the Keeper will be conspicuously visible, Russ made his from some nice looking leftovers, and we chose to do the same for ours.

Start the build by milling the body parts according to the parts list attached to this plan. Because of the angle of the front, the front edge of the base, and both edges of the front panel need to be beveled at 7 degrees. Note also that the back panel gets a 1/16" deep rabbet to locate the base and help keep it flat.

The dividers need to be cut with a 7 degree taper along one long edge. This is best cut with the MICRODIAL Taper Jig, but a handsaw is quick and safe if you do not yet have one. Simply mark the top at 2-17/32" and strike a line to the bottom corner.

With the body parts cut, some hardwood scraps are used to make up the legs of the Keeper, as well as the mounting cleats for the GRR-RIPPERs.

Plane your stock down to 1/2" thick, rip to width and crosscut to length according to the cut list.

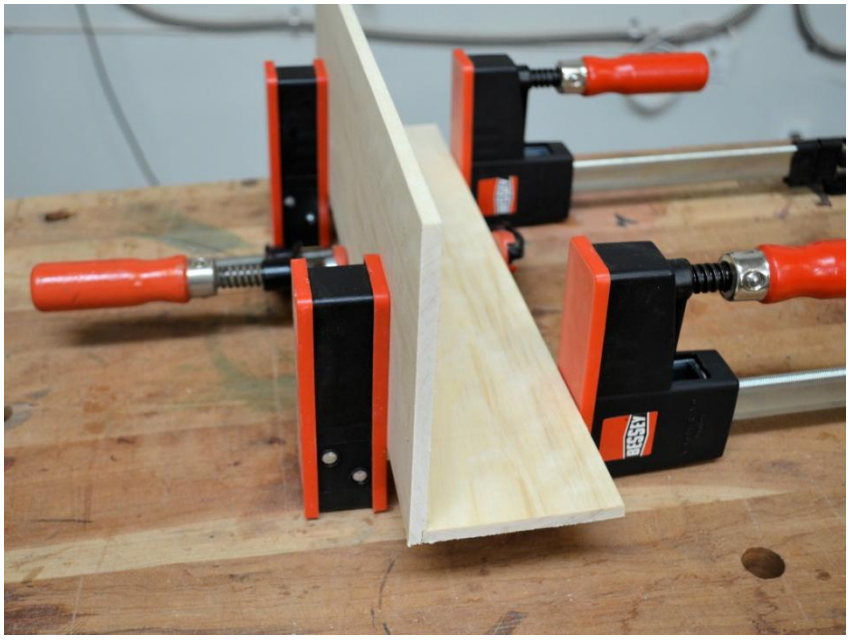
Courtesy of Russ Alexander

Russ's clever design uses gravity and friction to hold the GRR-RIPPERs in place. Rather than try and set the cleats for the friction fit, Russ set them a bit narrow, and added a pair of dowels that sit slightly proud of the outer cleats. The dowel ends stick out enough to form a friction fit inside the GRR-RIPPER leg.

To do this, the two outer cleats need to be drilled for the dowels. We used 3/8" diameter stock, but 1/4 or 1/2" would work as well. Drill the holes near the top and about half way through the cleat. Do not add the dowels yet.

The bottoms of the legs also get holes drilled to accept magnets, so do this while you are at the drill press.

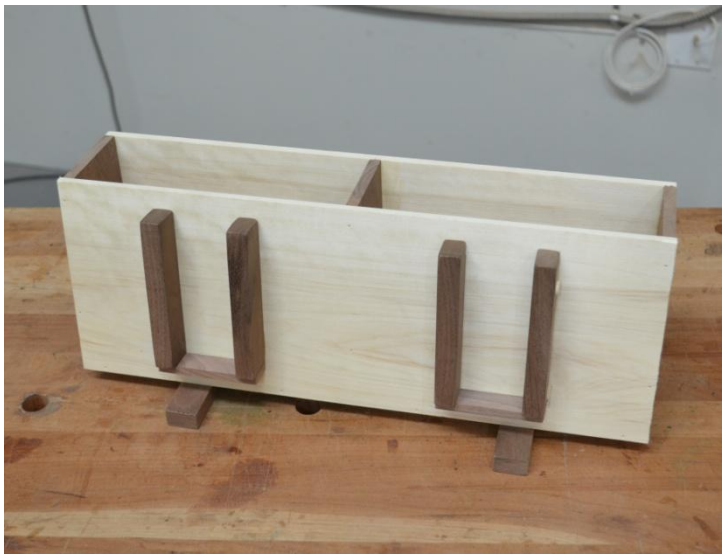
The right assembly sequence is important, so do not rush ahead. Attach the base to the back and add the dividers, one on each end and one along the center line of the Keeper. Glue and clamp or nail them in place. 23 ga. pin nails are perfect for holding them until the glue dries.



The outer cleats are mounted to the outside of the front piece, 2" in from the edge. The inner cleats are mounted 2-27/32 in from the outers. A spacer block cut from scrap makes setting these easy.

This makes the cleats 1/32" narrower than the distance between the GRR-RRIPPER legs. Adding the dowel later will adjust the friction fit. Each pair of cleats gets a stop mounted across the bottom that the GRR-RIPPER center leg sits on, and these can be added now.

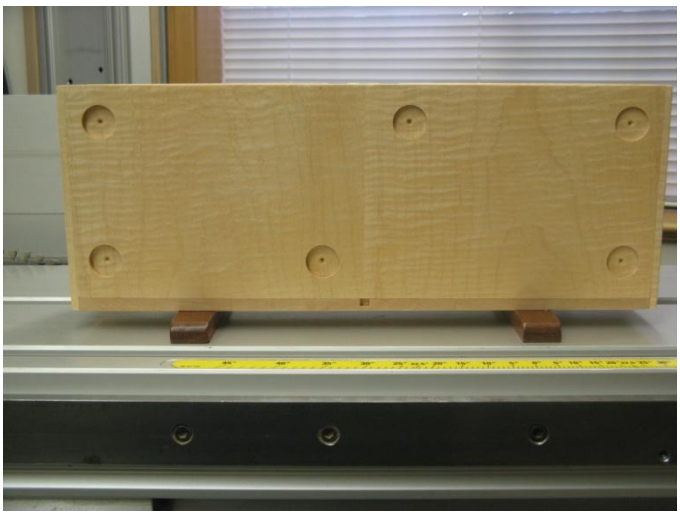
Before attaching the front panel, attach the fleet to the base of the body. Locate them so that they will be under the GRR-RIPPERs on the assembled Keeper and flush with the back panel. Adding them now makes it easier to nail or screw them in place.



The completed front panel may now be attached to the rest of the body. All that remains is to finish the Keeper and add the friction fit dowels.

The cleats are narrower than the inside of the GRR-Ripper so only the tip of the dowel needs to be adjusted for fit. The fit should be tight enough to keep the GRR-Rippers from falling off, but light enough so they can be removed with one hand. Cut the dowels oversized, and remove material from the back until you find the fit you want. Then glue them in place.

Optional Mounting: **Magnets can be mounted in the bottom of the feet if desired to prevent the Keeper from being tipped over if bumped. For those who want to mount their Keeper to the side of the saw, a couple of rare earth magnets can be mounted in shallow holes drilled into the back panel. To hang it on a wall, simply mill a pair of keyhole slots in the back panel prior to assembly.**



Courtesy Russ Alexander

Micro Jig hopes that you enjoy these plans and that they help you be a safer and more versatile woodworker by keeping your GRR-Ripper at hand while you work. We invite you to share photos and/or video of your work with all our users on our FaceBook page.

GRR-Ripper Keeper Parts List

Back (1) 5-3/4 x 16 x 1/4 ***Notes: 1/4 wide x 1/16 deep rabbet along bottom edge***

Front (1) 5-13/16 x 16 x 1/4 ***Notes: 7 degree bevel top and bottom***

Bottom (1) 3-5/16 x 16 x 1/4 ***Notes: 7 degree bevel along front edge***

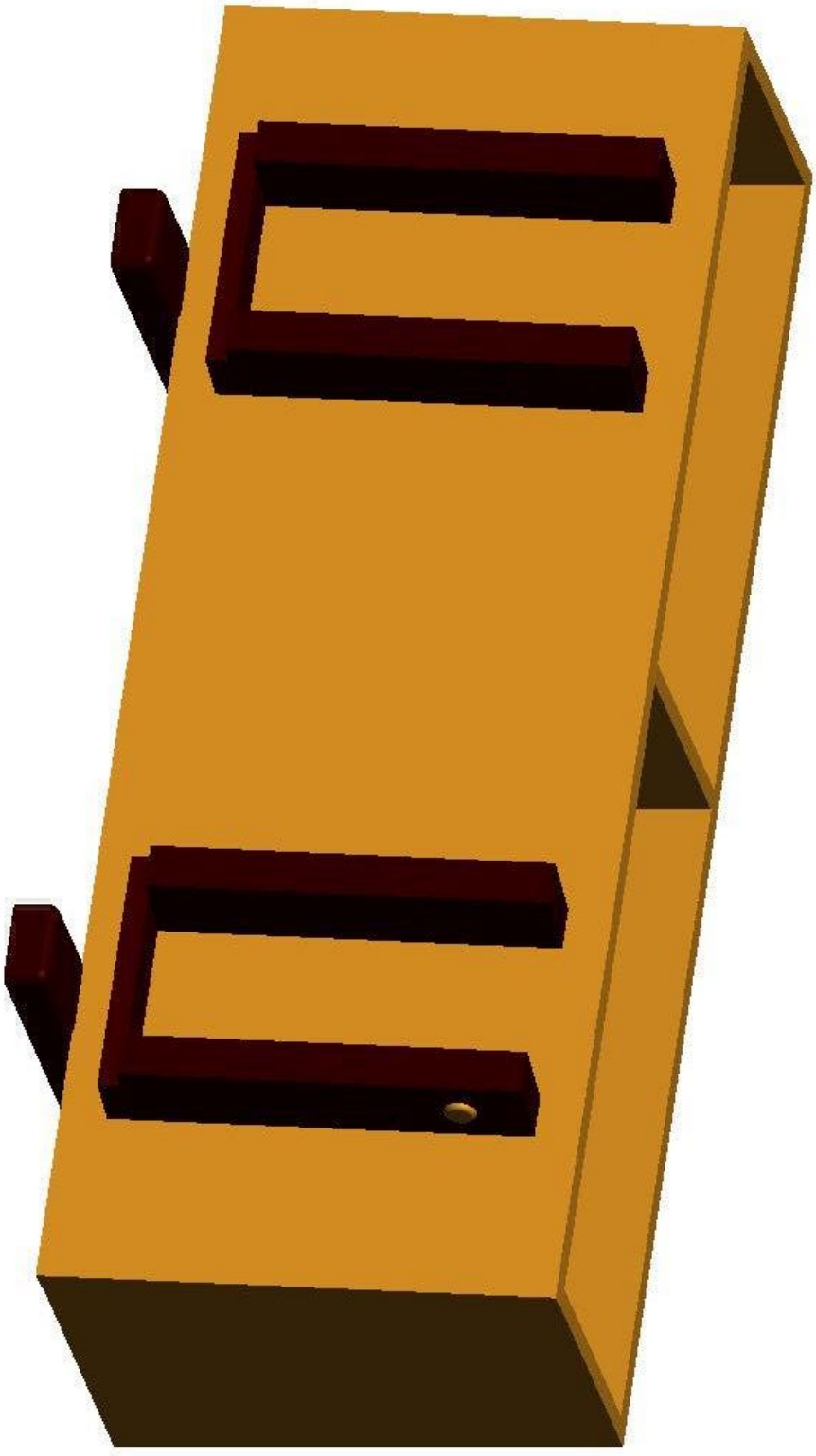
Dividers (3) 3-7/32 x 5-1/2 x 1/4 ***Notes: 7 degree taper cut along front edge***

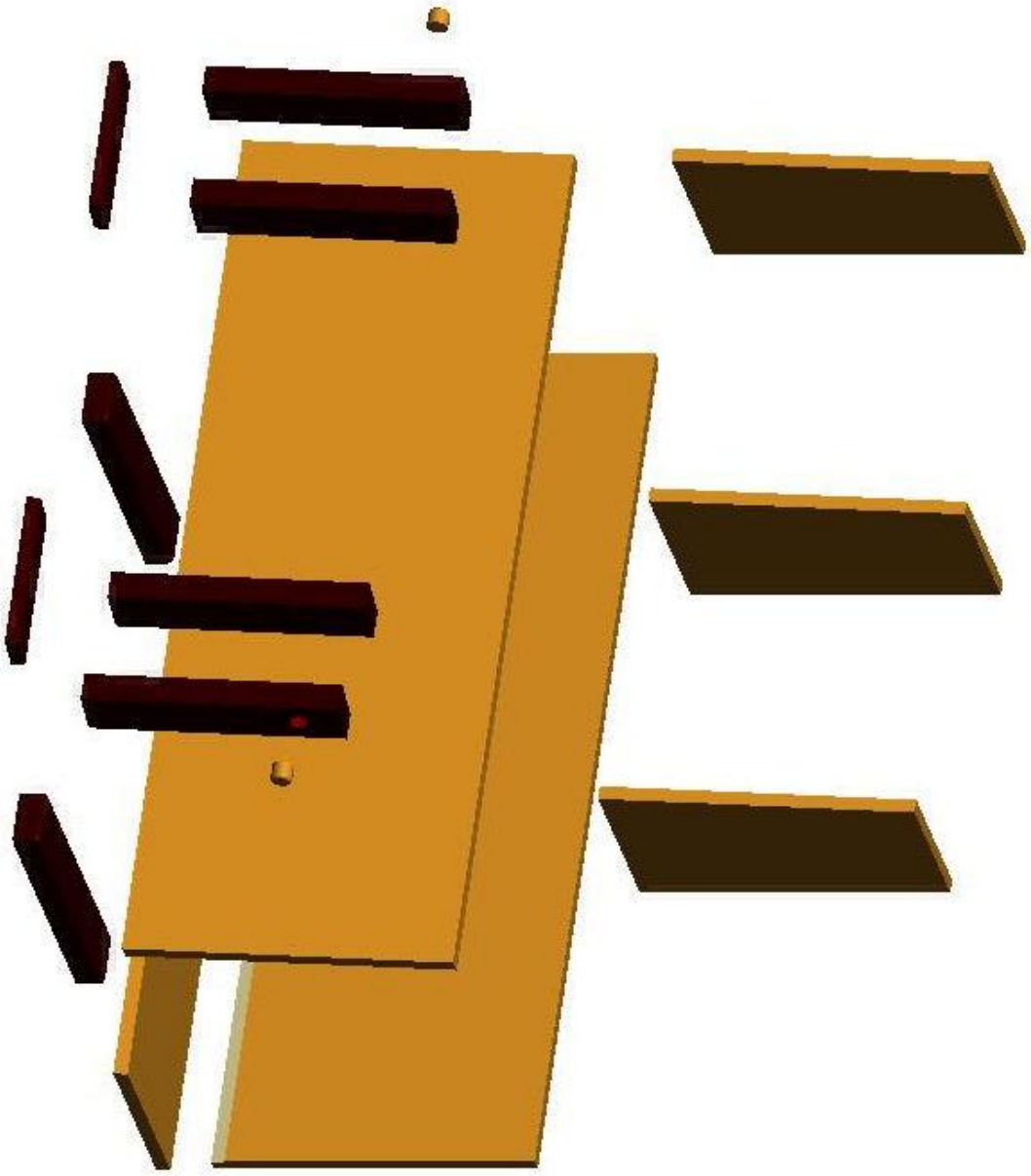
Feet (2) 1 x 4-1/2 x 1/2 ***Notes: Round over edges, drill bottom for magnets (optional)***

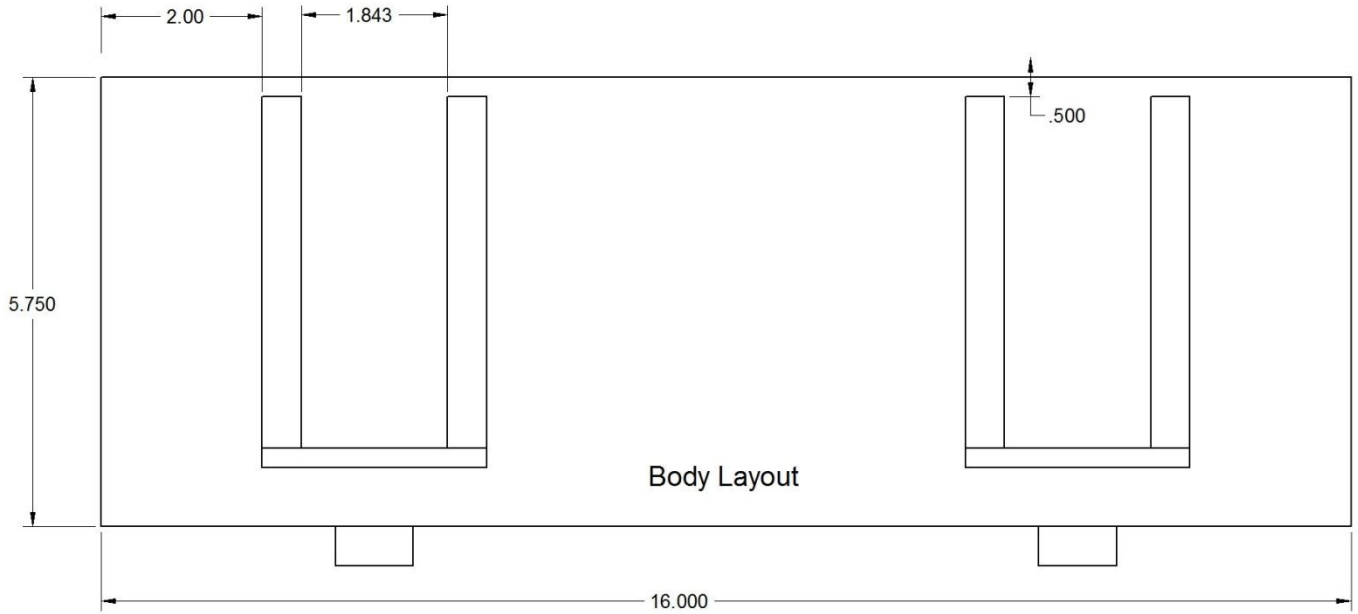
Cleats (4) 1 x 4-1/4 x 1/2 ***Notes: Drill 2 of 4 for friction pegs***

Stops (2) 3/4 x 2-7/8 x 1/4

Dowels (2) 3/8 Dia. X 5/16 ***Notes: Round over one end***



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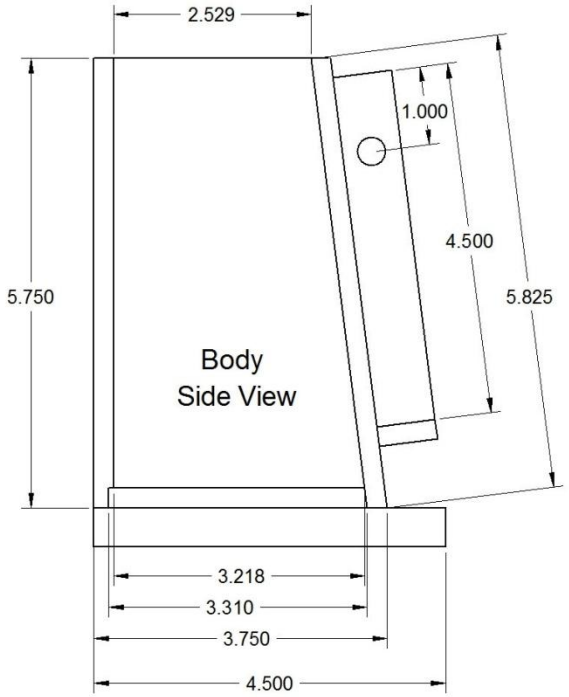
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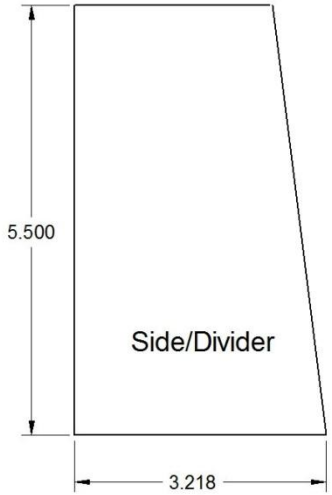
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Side/Divider
3.218