

# No Moving Parts Whiteboard Stand Design<sup>1</sup>

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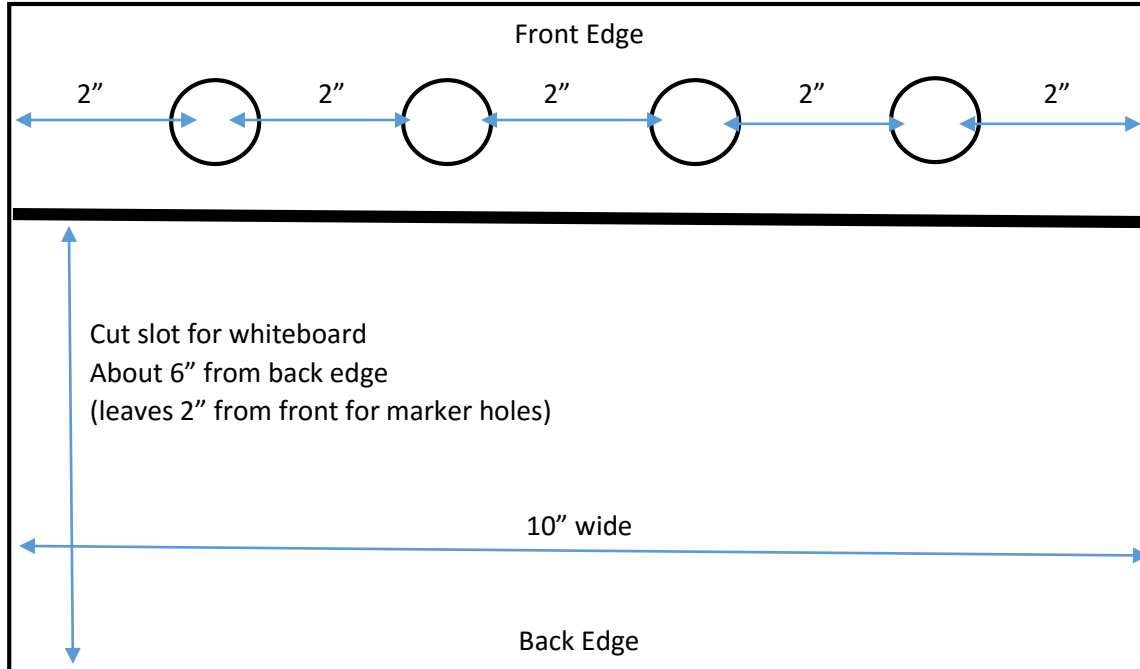
## Tools Needed:

- Circular Saw with “Fast Frame” 18-tooth Blade (or other rough cut blade)
- Adjustable “Rip Fence” guide for circular saw
- Drill with 3/4” or 13/16” wood spade or boring bit
- Ruler or Tape Measure and Pencil

## Lumber Needed:

- 2” x 8” x 10 foot Fir or other suitable wood plank (will make 8-10 stands depending on desired stand width).

## Dimensions / Diagram of individual stand:



## Basic Construction Directions:

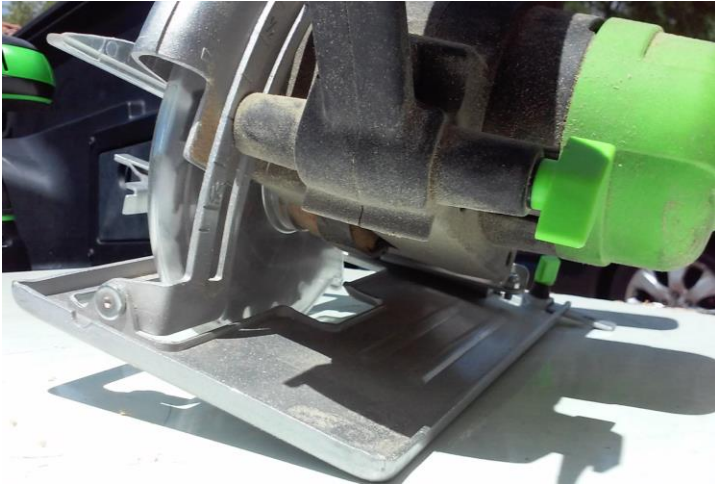
- Use the circular saw to cut the 10-foot plank into desired widths for whiteboard stands. (10” wide stands work well, but you can adjust the width to make the desired number of stands from your piece of lumber).
- Set the circular saw for a cut depth of about 3/4” to 1” and a blade angle of about 5°. For each stand, mark a line and cut a slot about 2” from the front edge (6” from the back edge)<sup>2</sup>. ***\*see next page for pictures of saw settings***
  - If you have an adjustable “rip fence guide” (looks like a little T-square), this helps you make a straight cut across the board.
  - Make sure the angle is towards the back edge (wide part) – this keeps the boards from tipping backwards in the stands.
- Repeat the last step, cutting slightly closer to the back edge in order to widen the slot (a single cut is usually not wide enough for a whiteboard. I have found a slot of about two blade-widths to be sufficient).
- Using a ruler, mark the centers for the marker holes in between the front edge and the slot for the whiteboard. The hole centers should be about 2” from the sides and each center for even spacing on a 10” wide stand.
- Using the drill and wood-bit, drill the four holes about 1” deep (deep enough to hold a dry erase marker, but not deep enough to puncture through the other side of the stand). ***\*see next page for pictures of a finished stand***
- Repeat for other stands. Enjoy a nice beverage of your choice after you’re done!

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<sup>2</sup> You can cut the whiteboard slot into the 10-foot plank *before* cutting the plank into stands if you have the cutting guide!

**Pictures to help with Circular Saw Settings:**

- The “Cut Depth” adjustment is usually towards the back of the saw:



- A “rip fence guide” attaches to the front of the saw and will help you cut a straight slot across your whiteboard stand



- The blade angle adjustment is usually at the front of the saw:



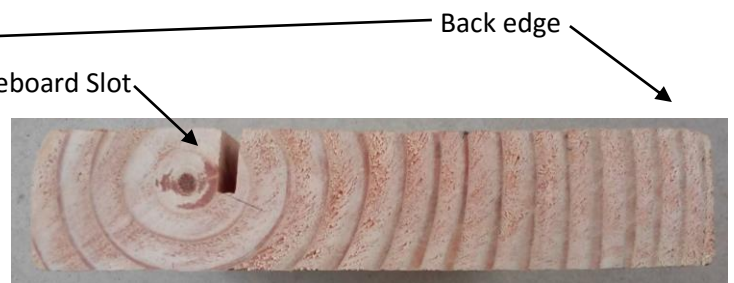
“Rip Stop Guide”

**Pictures of Finished Stand:**

Top View:



Side view:



Back edge

Whiteboard Slot

Front edge