

Bent Plywood Lap Tray

By **Build Basic**

Difficulty

Moderate

Bend a piece of plywood into a useful lap tray. Using Kreg's Accu-cut Saw Guide, make kerf cuts (parallel cuts that don't run all the way through the wood), and then bend the ends of the tray to make the vertical legs.



Tools

Kreg Tools

Accu-Cut™ [Accu-Cut™](#)

Other Tools

- Circular Saw (cordless)
- Square
- Tape Measure
- Corner Clamps

Materials

Wood Products

- 1 Plywood , 3/4" Thick , Quarter Sheet

Hardware & Supplies

- 1 Wood Glue

Cut List & Parts

1 Tray , 3/4" X 14" X 40.5"

Directions

1

Cut the Tray to Size

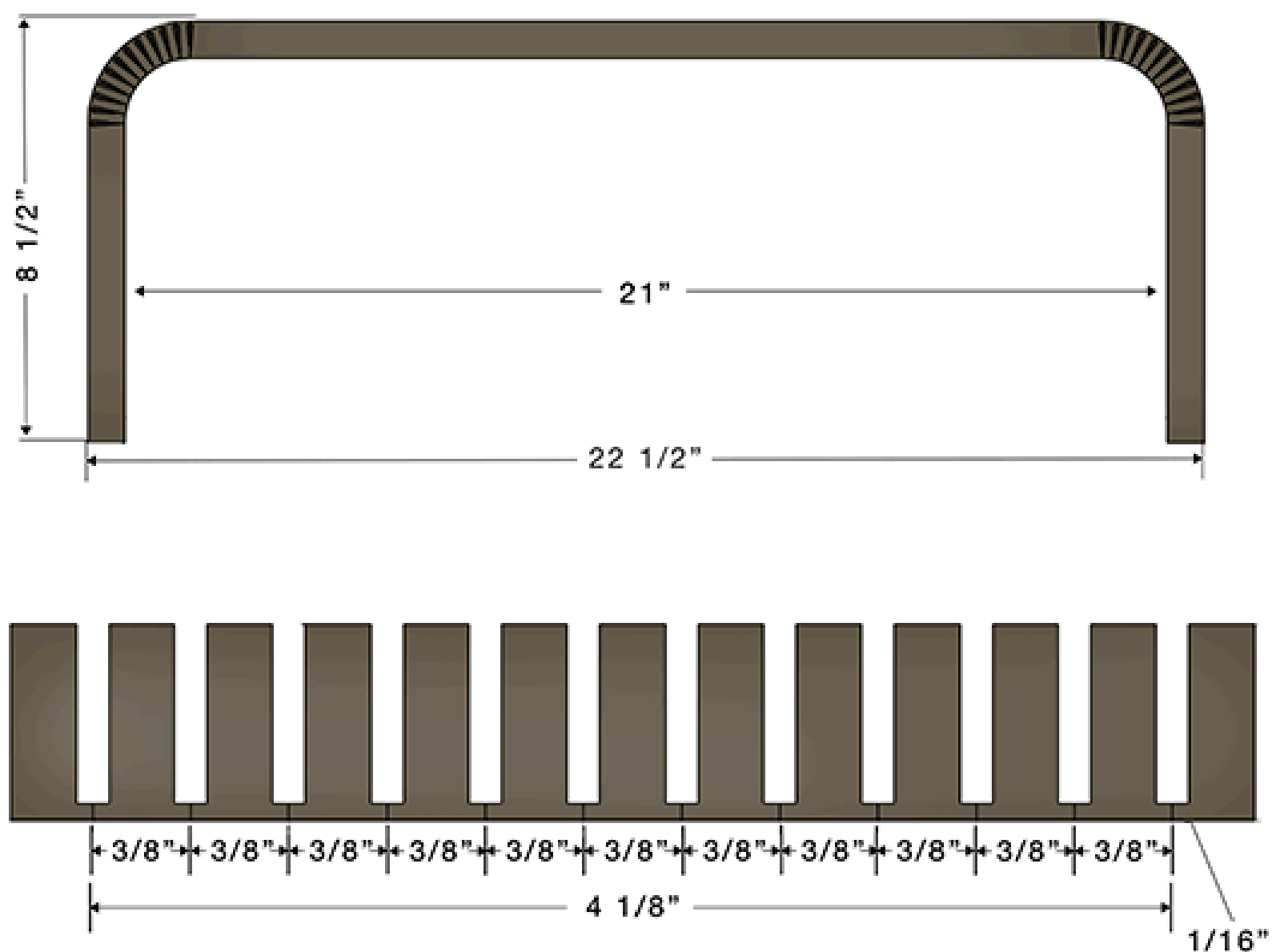
Mark a 14" x 40½" outline on a piece of ¾-inch plywood, aligning the longest "sides" of the tray outline to run with the grain. Attach the saw to the footplate of a Kreg Accu-cut Saw Guide. Place the track alongside the first cut line. Set the saw onto the track, aligning the grooves in the footplate with the ridges on the track. Un-plug the circular saw or remove the battery. Adjust the blade depth to reach about ¼-inch below the thickness of the plywood. Plug-in or replace the battery in the saw, and then complete the cut. Repeat to cut the second line.



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Mark the Kerf Cuts

Using a speed square, mark a line 8 inches from each end of the board. Working inward from each line, mark 11 additional lines spaced $\frac{3}{8}$ -inches apart.



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3**Prep for the Kerf Cuts**

Place the circular saw on the Accu-cut track alongside an edge of the board. Adjust the blade so that it reaches 1/16-inch less than the thickness of the board. Make a test cut on a scrap piece of plywood to check the blade depth. Align the track with the outermost line on one side. Support the end of the track with a scrap piece of plywood to prevent the track from tipping during the cut.



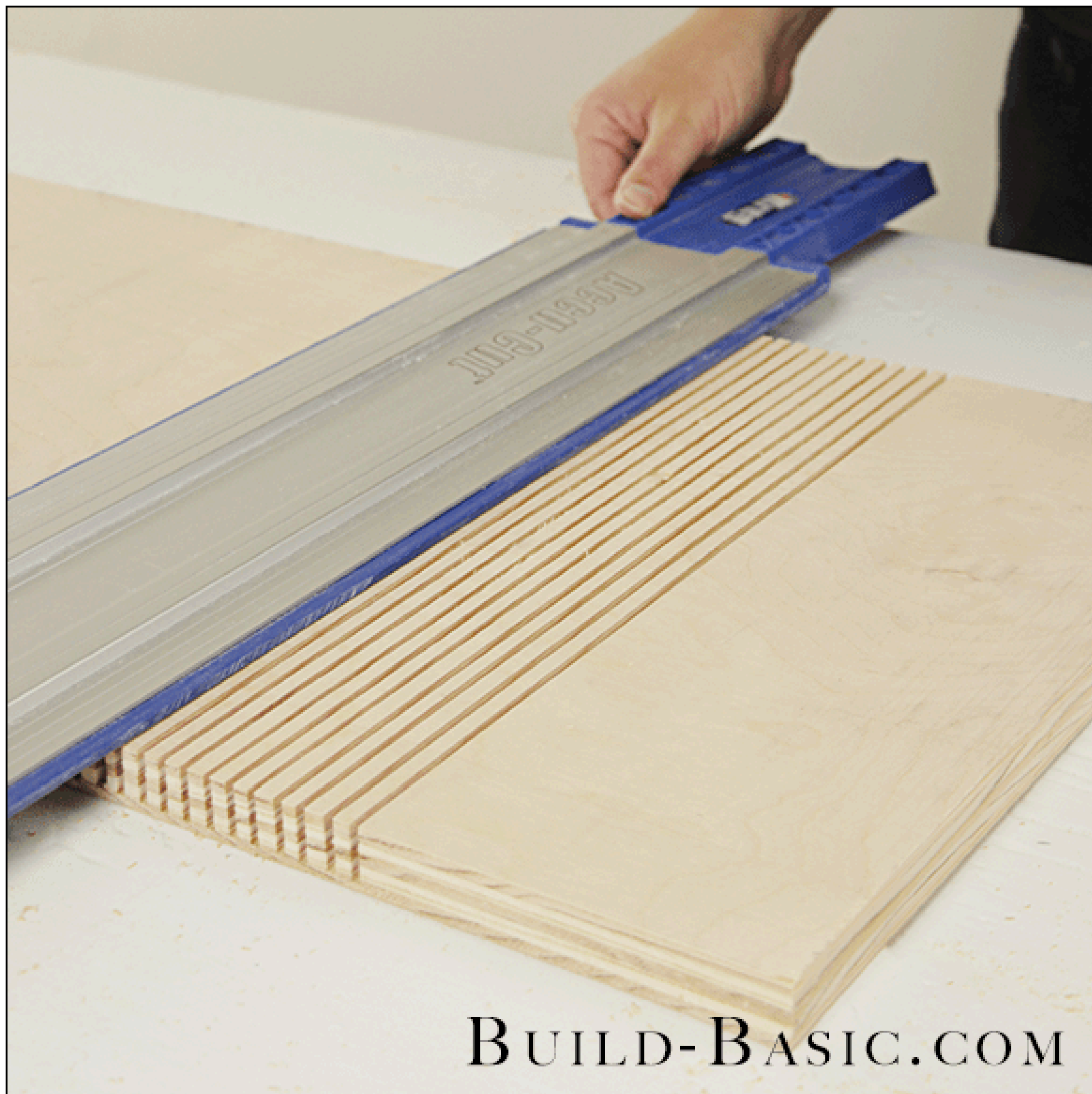
4**Cut the Kerfs**

Place the circular saw onto the track. Make sure the saw blade is centered on the marked line, and then make the first cut. Once the cut is complete, move the track, and then complete the second cut.



5**Finish the Kerf Cuts**

Continue making the parallel kerf cuts until there are twelve kerf cuts on each end of the board.



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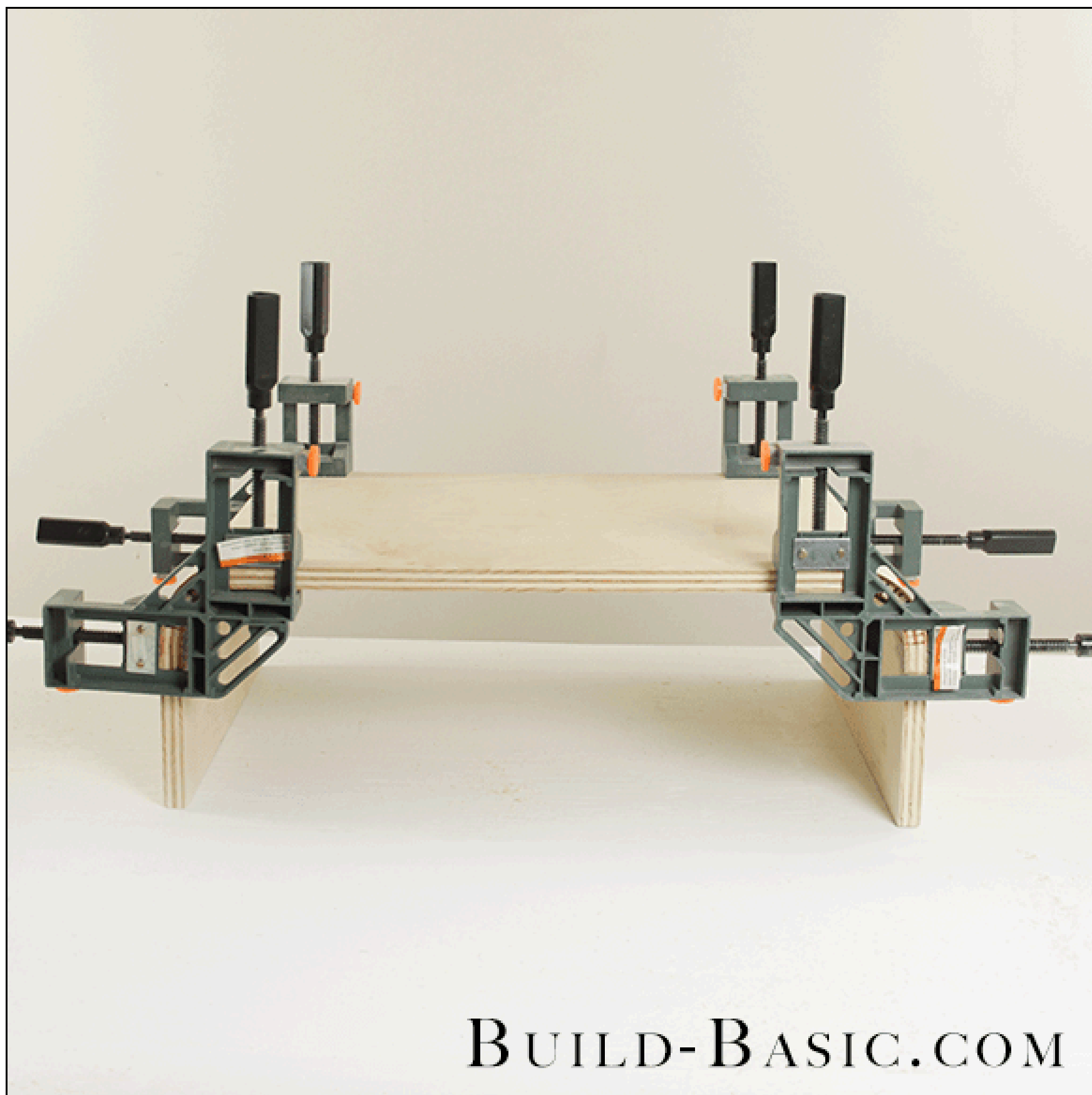
6**Wet the Plywood**

This is not mandatory, but I found it helpful (and to reduce splitting and cracking) when I wet the opposite of the plywood kerf cuts before bending the plywood.



7**Bend the Plywood**

Clear the grooves of sawdust. Load the kerf cuts with wood glue. Bend the plywood ends up 90-degrees. Clamp the parts in place on a table or using corner clamps, as shown here. Allow the glue to fully dry before removing the clamps.



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