Media Stand

Free Plans to build a Media Stand.

Materials and Tools

MATERIALS:

- 1-1/4” pocket hole screws
- 2-1/2” pocket hole screws
- 1-1/4” brad nails
- Edge banding, optional (7/8” wide and 2” wide)
- Wood glue
- Sandpaper (100, 150, 220 grits)
- Finishing supplies (primer & paint, or stain, sealer)

Lumber:

- 2 – 4’ x 4’ x ¾” PureBond plywood project panel (Maple was used for the example)

Tools:

- Jigsaw, table saw, miter saw, or hand saw
- Pocket hole jig
- Brad nailer
- Drill
- Pencil, ruler, square
- Tape measure
- Sander
- Iron for edge banding
- Edge banding trimmer or craft knife

Cut List:

- 8– 3/4” PureBond Plywood project panel at 1-1/2” x 17-1/4” – Leg
- 6 – 3/4” PureBond Plywood project panel at 1-1/2” x 12” – Side Framing
- 2 - 3/4” PureBond Plywood project panel at 11” x 12” – Side Panels
- 3 - 3/4” PureBond Plywood project panel at 1-1/2” x 44” – Back Framing
- 1 – 3/4” PureBond Plywood project panel at 11” x 44” – Back
- 2 – 3/4” PureBond Plywood project panel at 1-1/2” x 44” – Lower Front Stretcher
- 1 – 3/4” PureBond Plywood project panel at 12” x 44” - Bottom
- 2 – 3/4” PureBond Plywood project panel at 11-3/4” x 13-1/2” – Dividers
- 2 – 3/4” PureBond Plywood project panel at 13-1/2” x 14-3/16” – Outer Shelves
- 1 - 3/4” PureBond Plywood project panel at 13-1/2” x 14-1/8” – Center Shelf
- 1 - 3/4” PureBond Plywood project panel at 1-1/2” x 44” – Upper Front Stretcher
- 1 - 3/4” PureBond Plywood project panel at 16” x 48” - Top

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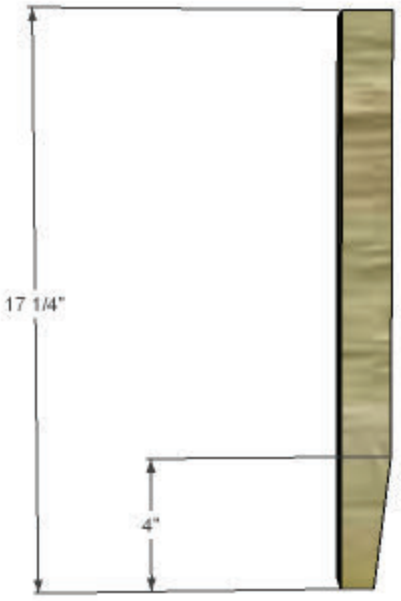
STEP 1

Notes:

Edge banding will be applied to the exposed edges of the plywood prior to assembly.

Cut the pieces for the legs. There will be eight pieces cut, and they will be laminated together in pairs to form the leg. Spread glue on the face of one piece then layer the next piece on top. Wiggle it a little to create suction then secure together with 1-1/4" brad nails. When dry, cut the leg to length and cut the taper using a tapering jig on the table saw. Apply edge banding to the exposed edges of the legs then trim the excess banding away.

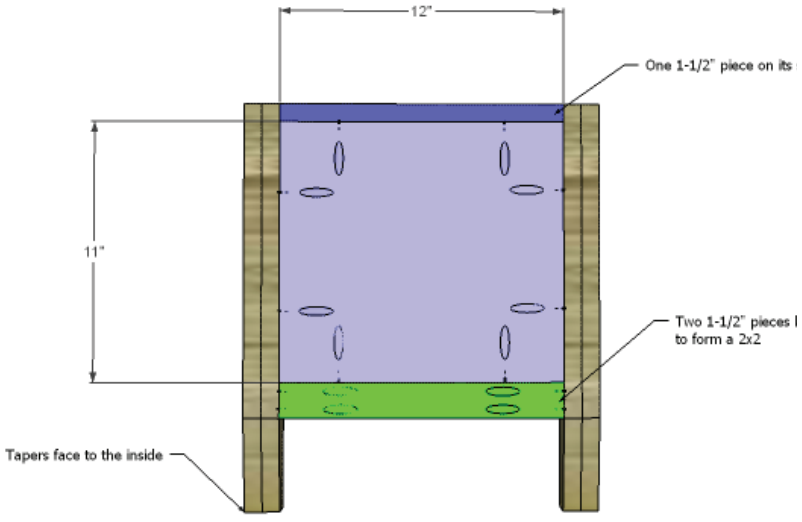


STEP 2

Cut the pieces for the side framing and the side panels. The lower side framing pieces are two 1-1/2" pieces laminated together (similar to the legs – see Step One) to form a 2x2. Set the pocket hole jig for 1-1/2" material and drill pocket holes in each end of the lower side framing pieces (after the pieces have been laminated together). Attach to the legs using glue and 2-1/2" pocket hole screws.

Set the pocket hole jig for ¾" material and drill pocket holes in each end of the upper side framing pieces. Secure to the upper part of the legs using glue and 1-1/4" pocket hole screws.

Drill pocket holes in all four edges of the side panels. Secure to the legs and the side framing pieces using glue and 1-1/4" pocket hole screws. The inside face of the panels will be flush with the inside faces of the framing pieces.



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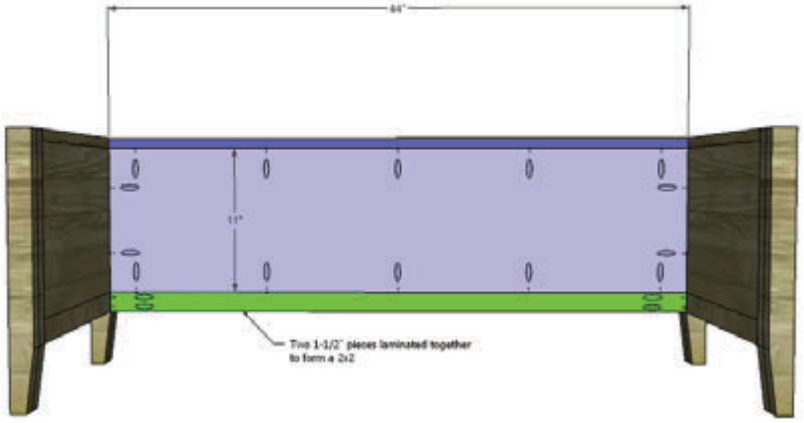
STEP 3

Cut the pieces for the back framing and the back panel. The lower back framing piece is two 1-1/2” pieces laminated together (similar to the legs – see Step One) to form a 2x2. Set the pocket hole jig for 1-1/2” material and drill pocket holes in each end of the lower back piece (after the pieces have been laminated together). Attach to the legs using glue and 2-1/2” pocket hole screws.

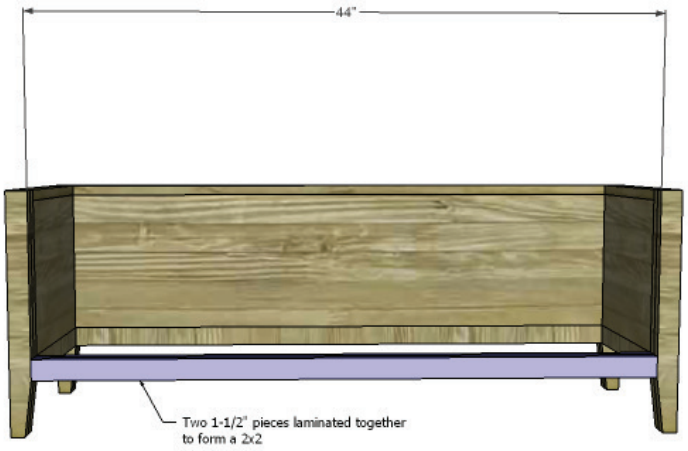
Set the pocket hole jig for ¾” material and drill pocket holes in each end of the upper back framing piece. Secure to the upper part of the legs using glue and 1-1/4” pocket hole screws.

Drill pocket holes in all four edges of the back panel. Secure to the legs and the back framing pieces using glue and 1-1/4” pocket hole screws. The inside face of the panel will be flush with the inside face of the framing pieces.



STEP 4

Cut the pieces for the lower front stretcher. The lower front stretcher is two 1-1/2” pieces laminated together (similar to the legs – see Step One) to form a 2x2. Set the pocket hole jig for 1-1/2” material and drill pocket holes in each end of the lower front stretcher (after the pieces have been laminated together). Attach to the legs using glue and 2-1/2” pocket hole screws.



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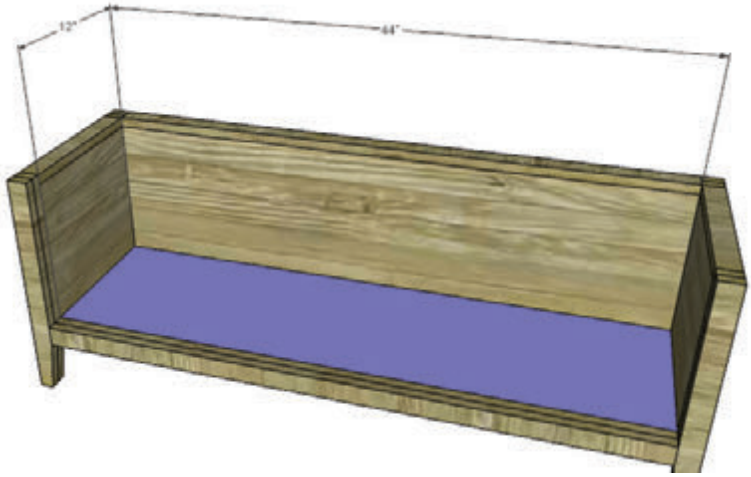
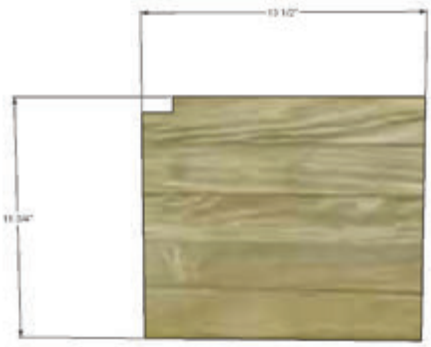
STEP 5

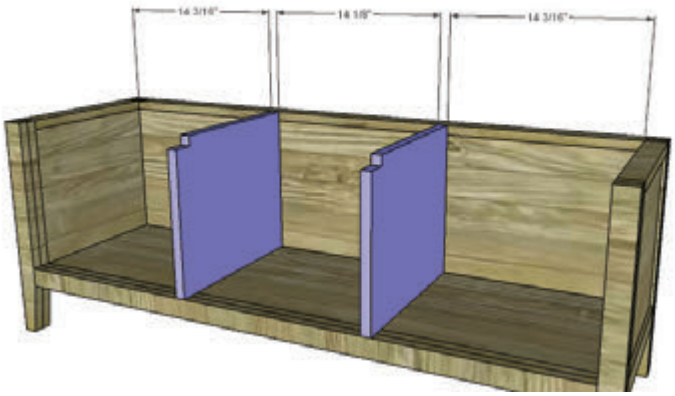
Cut the piece for the bottom. Set the pocket hole jig for ¾" material and drill pocket holes in all four edges of the bottom. Secure to the lower front stretcher, the lower back framing piece, and the lower side framing pieces using glue and 1-1/4" pocket hole screws. The top face of the bottom will be flush with the top face of the lower front stretcher.





STEP 6

Cut the pieces for the dividers and cut the notches using a jigsaw. Drill pocket holes in the lower edge and back edge of each piece. Secure to the back panel and the bottom using glue and 1-1/4" pocket hole screws.



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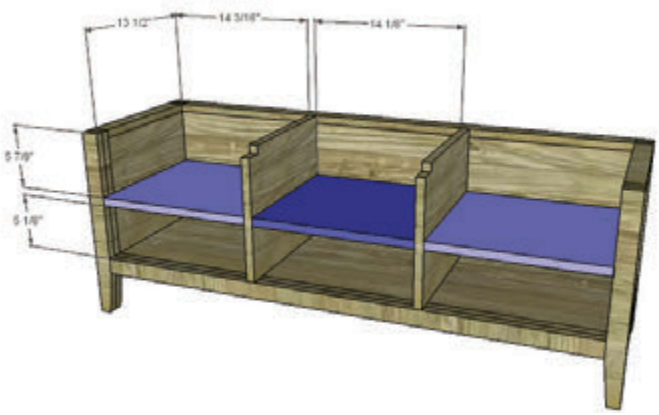
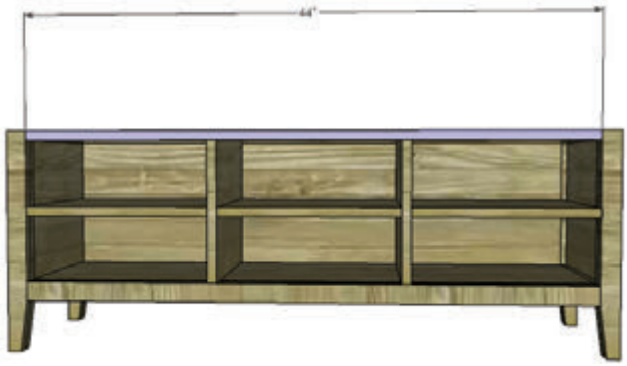
STEP 7

Cut the pieces for the shelves and drill pocket holes in the side edges and the back edge of each piece. Note that the center shelf is narrower than the outer side shelves. Secure to the back panel, the side panels, and dividers using glue and 1-1/4” pocket hole screws.



STEP 8

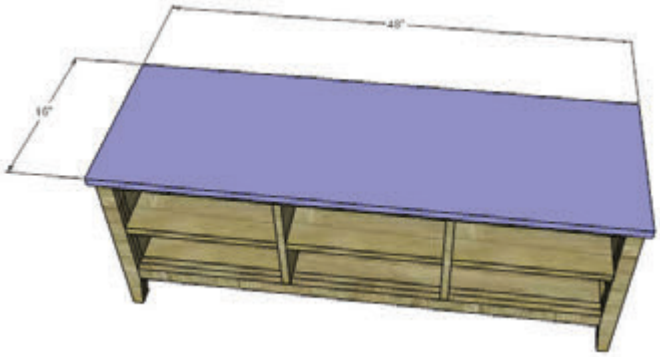
Cut the piece for the upper front stretcher and drill pocket holes in each end. Secure to the legs as shown using glue and 1-1/4” pocket hole screws. Add a few brad nails through the stretcher into the dividers.



STEP 9

Cut the piece for the top. The top will overhang by ½” on all sides. Secure in place using glue and 1-1/4” brad nails.

Finish as desired, then drill a hole in the back of each cubby using a hole saw for the plugs on the electronic components.



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