

Floating Media Console

By **Rogue Engineer**

Difficulty
Moderate

The last thing we needed to do to bring the theater room together was build a floating media console to help house some of the essentials. The catch was that I needed it to also fit around the subwoofer which needed to go right in the middle. So we came up with a this floating media console.



Tools

Kreg Tools



[Adaptive Cutting System Saw + Guide Track Kit](#)



[Kreg® Pocket-Hole Jig 720](#)



[Concealed Hinge Jig](#)



[Shelf Pin Jig with 1/4" Bit](#)

Other Tools

Miter Saw

Drill (cordless)

Tape Measure

Materials

Wood Products

1 Plywood , 3/4" Thick , Full Sheet

1 Plywood , 3/4" Thick , Half Sheet

Hardware & Supplies

2 European Full Overlay Hinges

Cut List & Parts

2 Cabinet, 3/4" X 4' X 8' Plywood

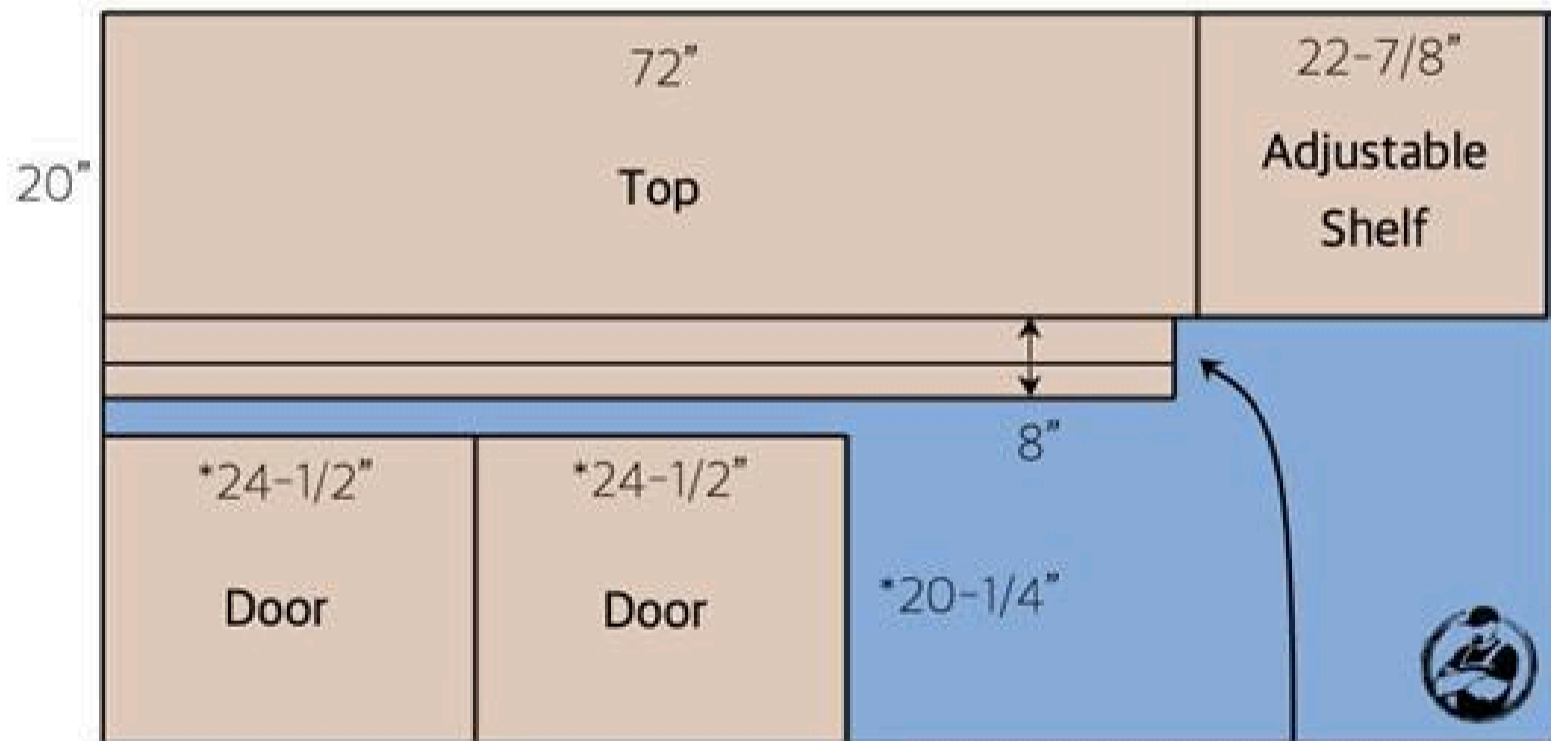
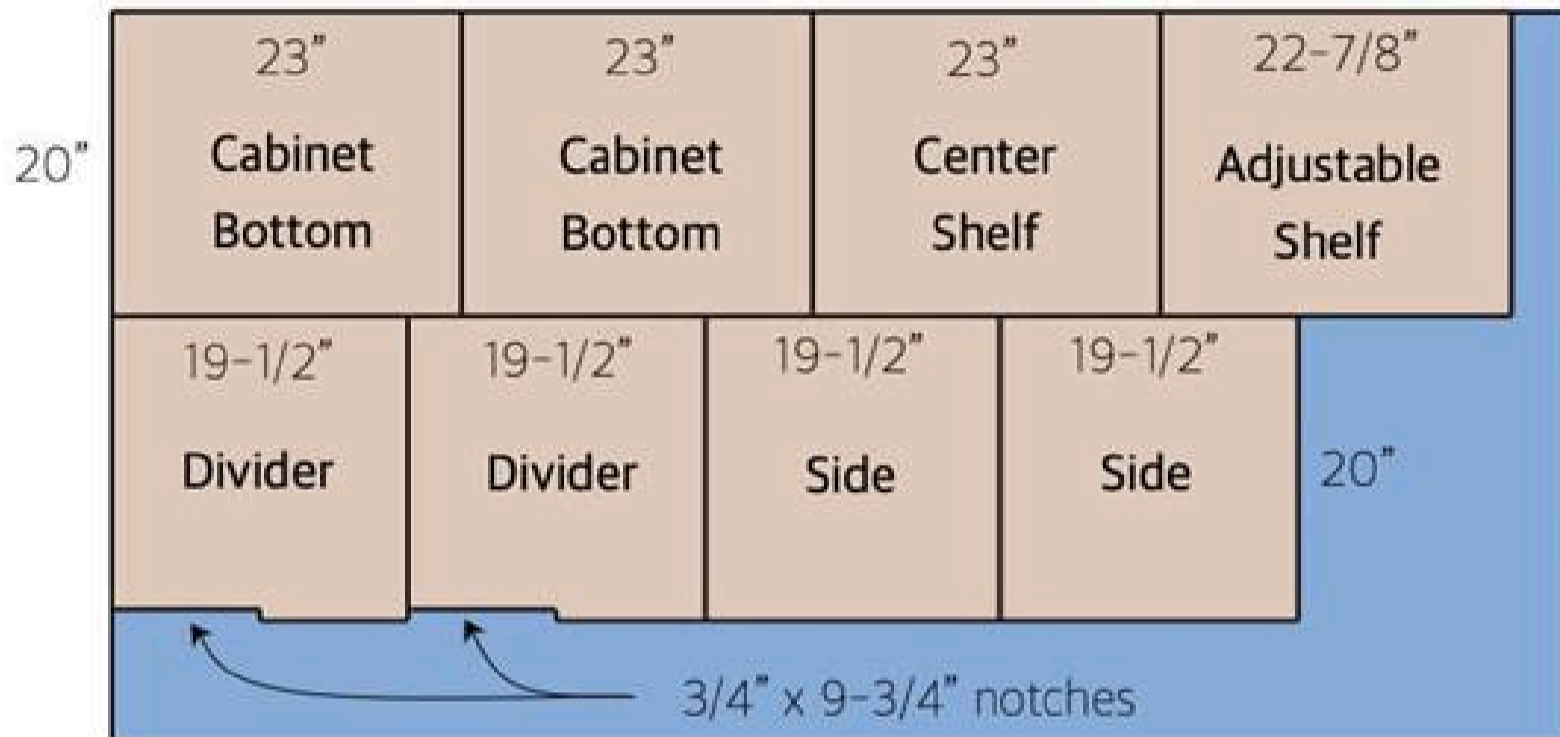
Directions

1

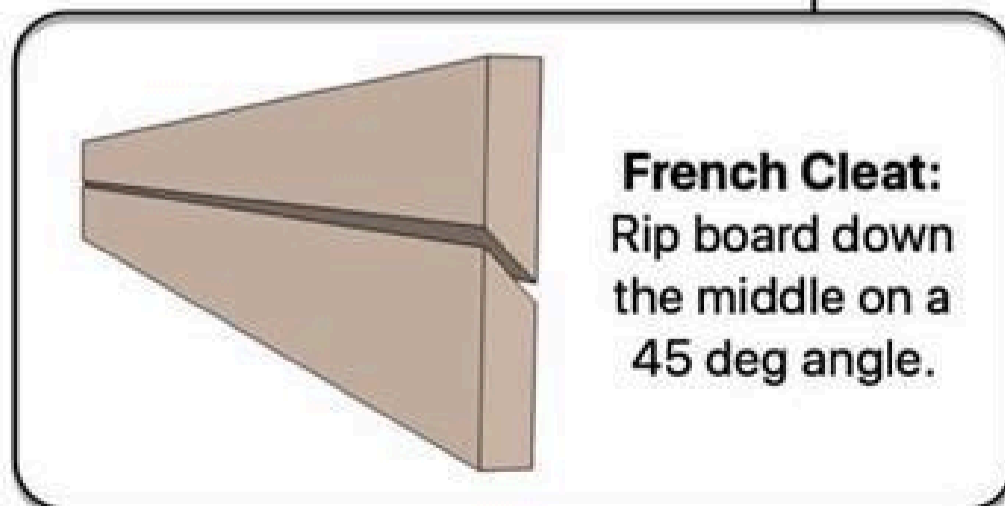
Cut Down Plywood

Using the Kreg track saw break down the plywood using the cut list below.

3/4" x 4' x 8' Plywood



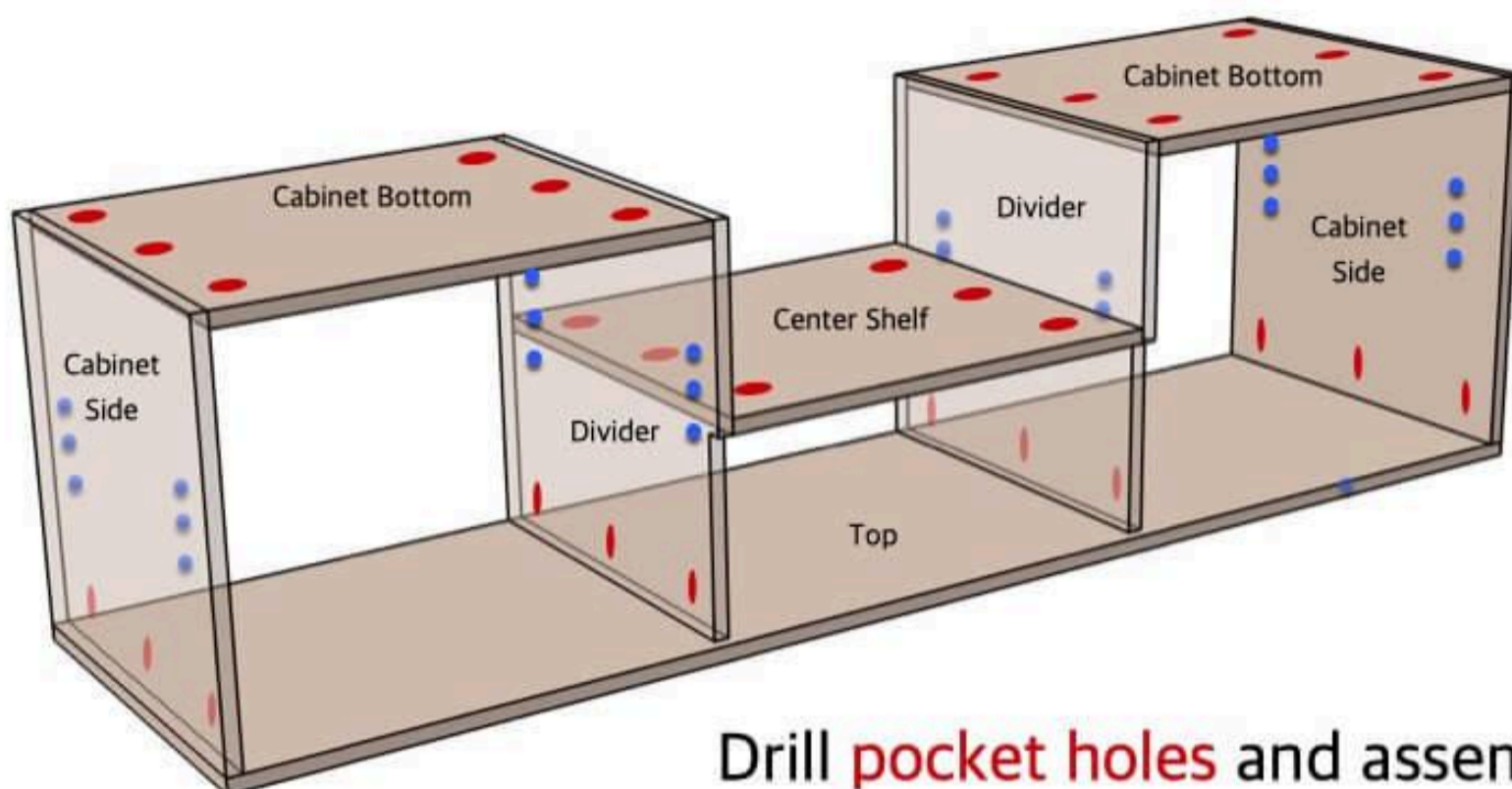
*Door sizes are approximate and should be cut to fit



2

Assemble the Cabinet Carcass

Drill picket holes and assemble with wood glue and 1-1/4" pocket screws. Then drill the shelf pin holes if adjustable shelves are desired, or secure shelves permanently.



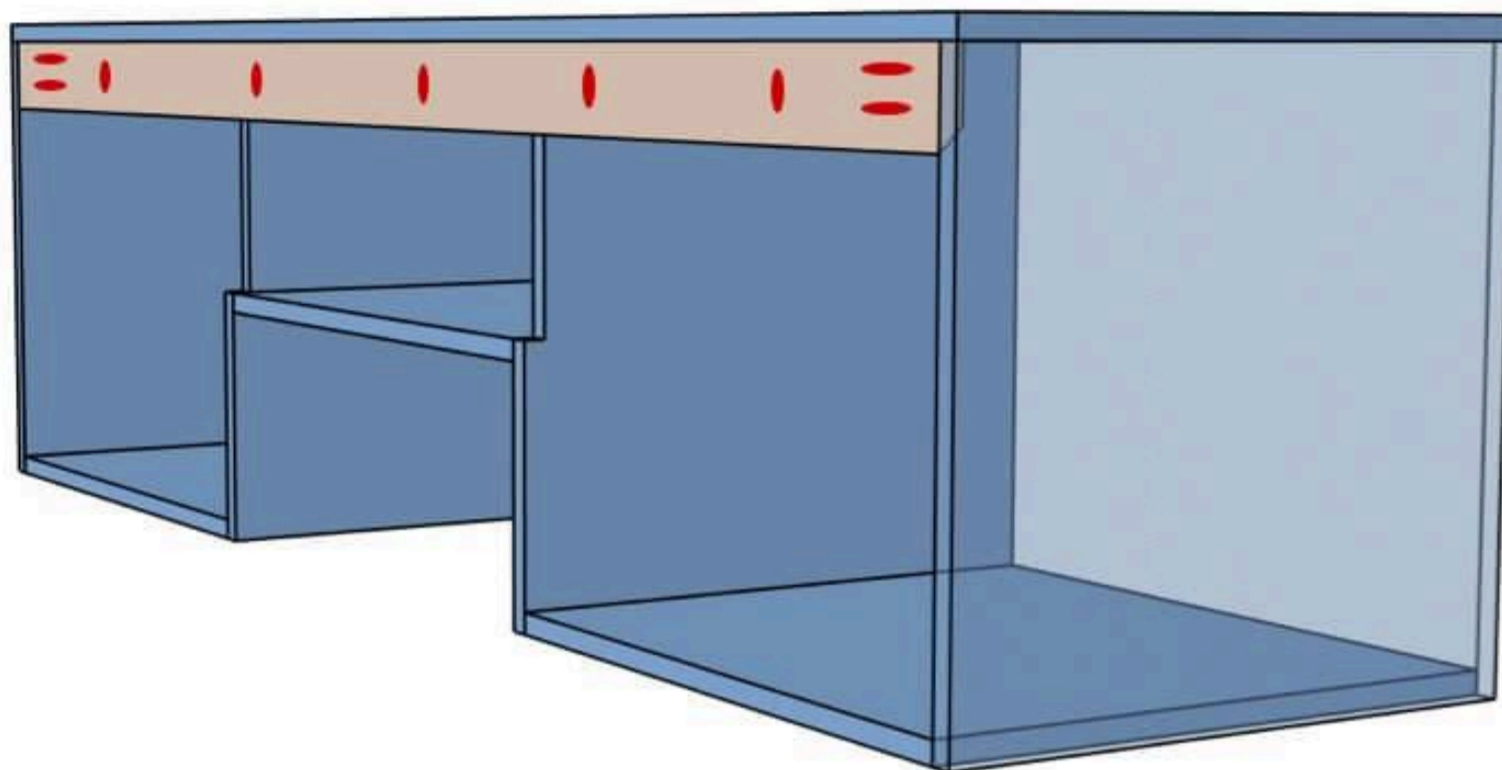
Drill **pocket holes** and assemble with **wood glue** and **1-1/4" pocket screws**. Then **drill shelf pin holes** if adjustable shelves are desired, or secure shelves permanently.



3

Install the French Cleat

When positioning the cleat make sure to place it such that the long side is toward the back of the unit. This way the unit will slide into place and lock into the other side of the cleat that is mounted against the wall. Drill picket hoels and attach top of French cleat with 1-1/4" pocket screws.



Drill pocket holes and attach top of French cleat with 1-1/4" pocket screws.



4**Conceal Exposed Edges**

When working with plywood most of the time you end up with exposed edges. There are two ways that I like to deal with this. One is applying a thin coat of wood filler to build up the edge, or blend into another, and sanding it down smooth. We used this method for the exposed edges on the sides which allowed us to blend the edge of the top into the sides. Another way is to apply an edge banding. We used an iron on edge banding for the front face of the cabinet and the cabinet doors. This is great because you can match the wood veneer for clear finishes and for painted finishes it leaves a flat smooth edge.



5**Finishing the cabinet**

Time to prime and paint the cabinet. Since this cabinet is bare plywood with exposed edges you'll have to prime the wood first which will help create a smooth surface that the paint can bond to better.



6**Finish Doors**

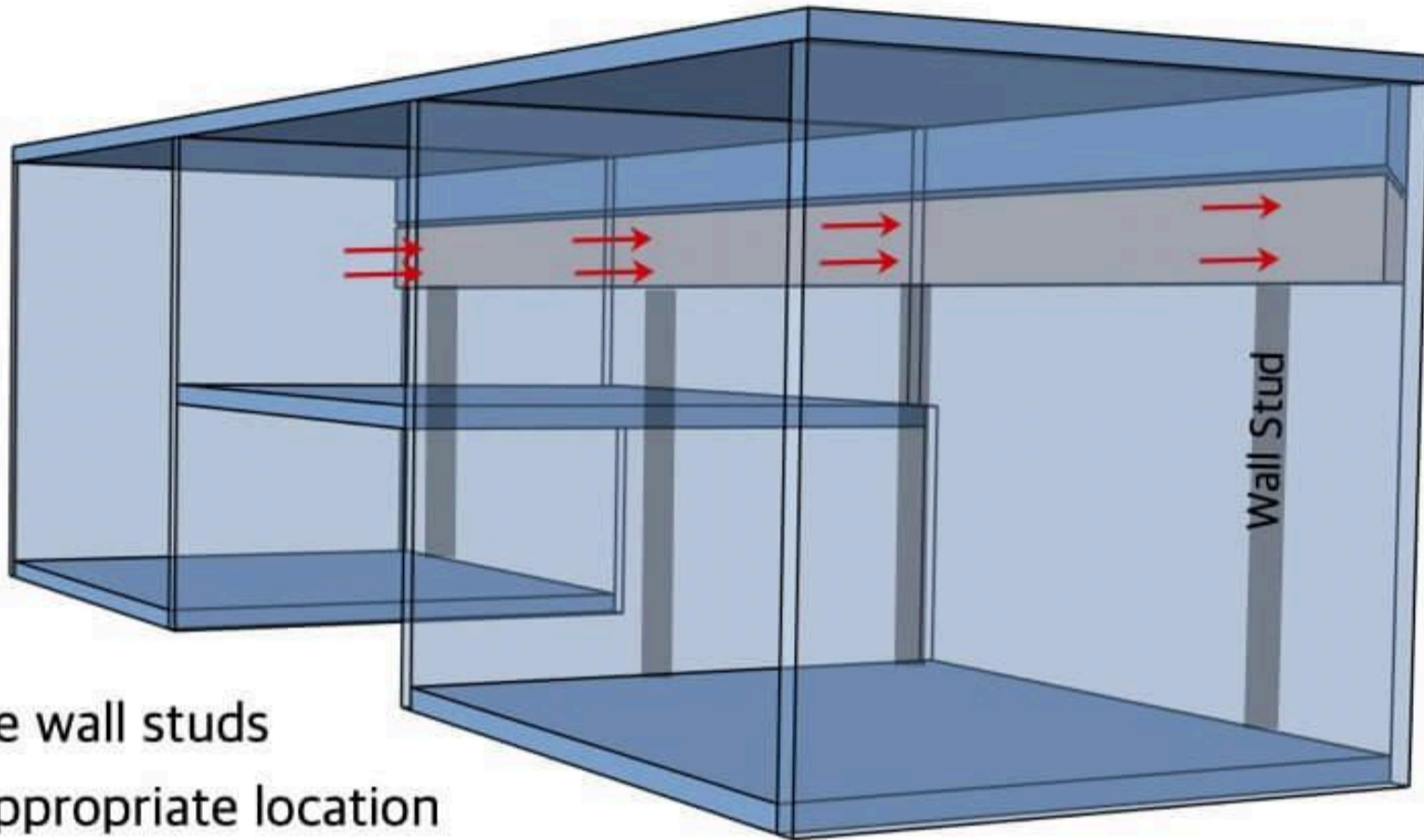
We went with a simple danish oil finish on the cabinet doors. We choose to use a walnut plywood for the doors on this project because it looks much better than the birch. However, if you choose the paint the cabinet doors the birch plywood would work just as well.



7

Hang Console on Wall

Now it's time to install this thing. The french cleat system really makes this easy. Figure out the height you want your unit and where the cleat will need to go to achieve that. Then find your wall studs and grab a level. Attach the bottom cleat to the wall with the long side out and up with one screw. Then level the cleat and finish installing with two screws at each stud. Two screws will help keep the cleat from rocking against the wall.



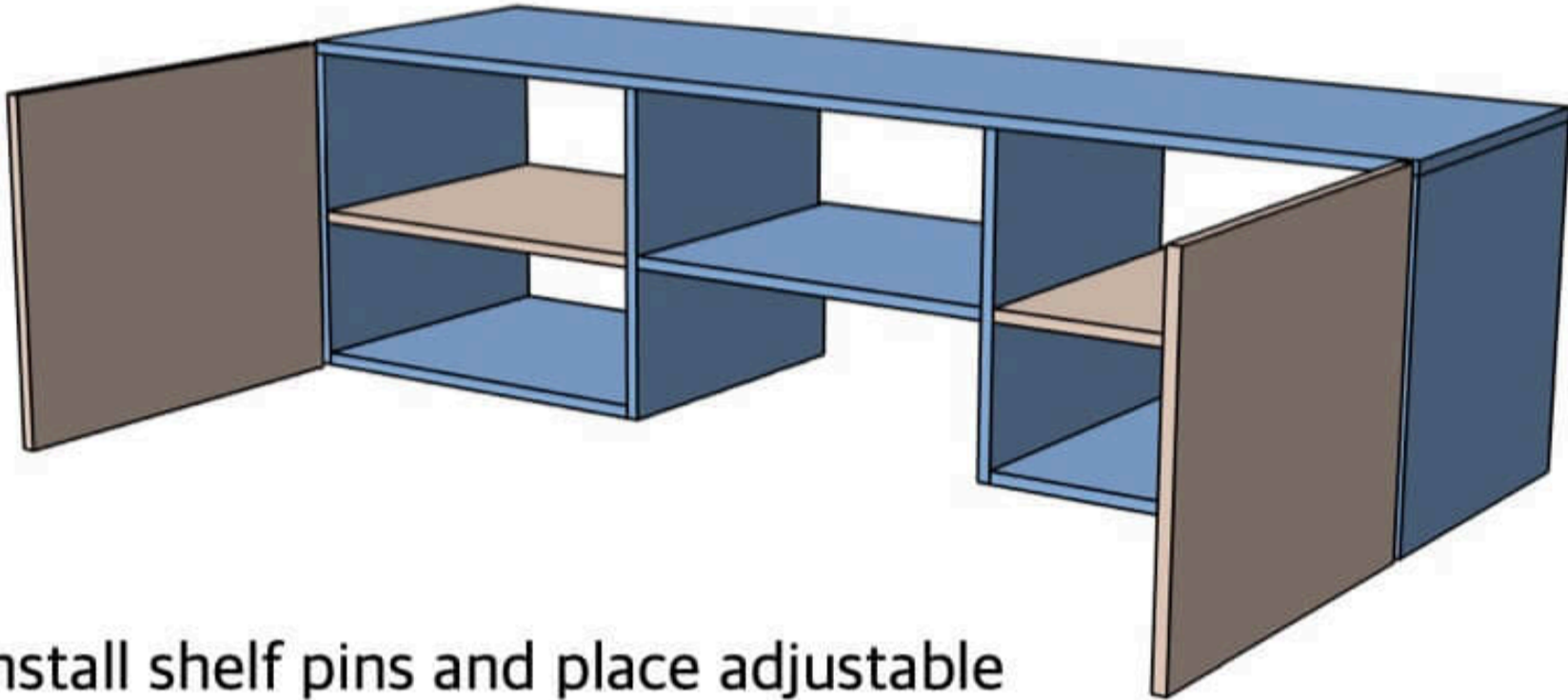
Locate wall studs and appropriate location for lower portion of french cleat.

Then attach cleat to studs using **3" wood screws** and hang unit.



8**Install Shelves and Doors**

I used the Kreg concealed hinge jig to bore the holes for hinges in the doors as well as a small scrap piece that I used as a template to install the bases of the hinges to the inside of the cabinet. Install shelf pins and place adjustable shelves as desired. Then, bore holes in the doors for concealed hinges and install door hinges to doors/cabinet.



Install shelf pins and place adjustable shelves as desired (trim if required for fit).

Then, bore holes in doors for concealed hinges and install door hinges to doors/cabinet.



9

Install Hinge Lights

If you have the right hinges, adding a hinge light is really simple and great for this cabinet since the room will be dark the majority of the time.

