

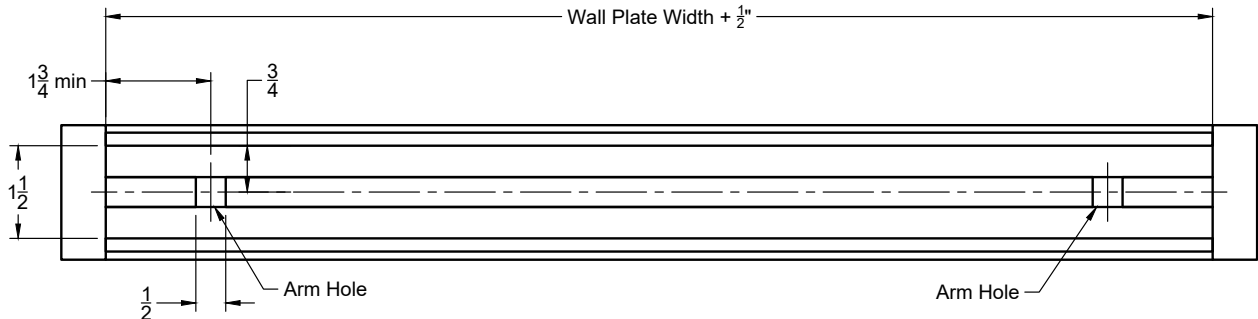


MURPHY DOOR®

Floating Shelf Hardware

Hardware Pocket Dimensions

- Pocket Depth: $\frac{1}{2}$ "
- Arm Hole Depth: 6-1/2"



To properly fit over the hardware your shelf will need a 1/2" deep pocket milled along the back measuring 1-1/2" tall and have a width measuring at least that of the wall plate. We recommend allowing at least 1/2" extra on the width to allow side-to-side adjustment. You will need to drill 1/2" diameter holes for each arm that are at least 6-1/2" deep, centered in the height of the pocket (3/4" from the top and bottom of the pocket), spaced evenly along the width of the pocket with the end holes at least 1-3/4" from the ends.

Tools Needed

- Safety glasses
- Measuring tape
- Pencil or something to mark the wall
- Stud finder
- Level
- Drill
- Phillips head driver bit
- 1/8" drill bit
- Philips head screwdriver
- Adjustable (Crescent) Wrench
- 9/64" Hex Wrench



Wall Plate



Shelf Arm
18" Hardware – x2
34" and 52" Hardware – x4



Shelf Slide
18" Hardware – x2
34" and 52" Hardware – x4



3" Lag Screw
18" Hardware – x4
34" Hardware – x6
52" Hardware – x8



Wall Anchor
All Hardware – x4



#8 x 1" Screw
All Hardware – x4

Sold seperately



Shelf Retainer
All Hardware – x2

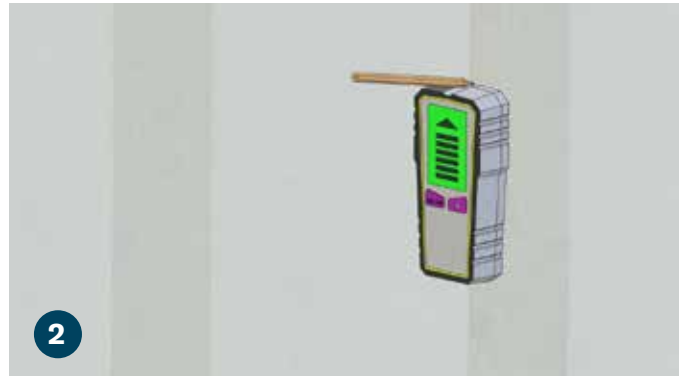


#6 x 5/8" Wood Screw
All Hardware – x8

PLEASE READ INSTRUCTIONS FULLY BEFORE YOU BEGIN ASSEMBLY



Determine where you want to place your shelf.
Make sure the wall is suitable for hanging the shelf. The wall should have either 2x4 or 2x6 construction. You will need to secure the hardware to at least 1 wood stud, more are preferred.
Determine the height you want the top of your shelf, and measure down 3/8". This will mark the top of the wall plate for the mounting hardware.



Using a stud finder locate and mark the studs.
*If you are mounting to a single stud or the ends of the wall plate are more than 2" (2 mounting holes) away from the nearest stud, the ends of the wall plate will need to be secured with wall anchors.

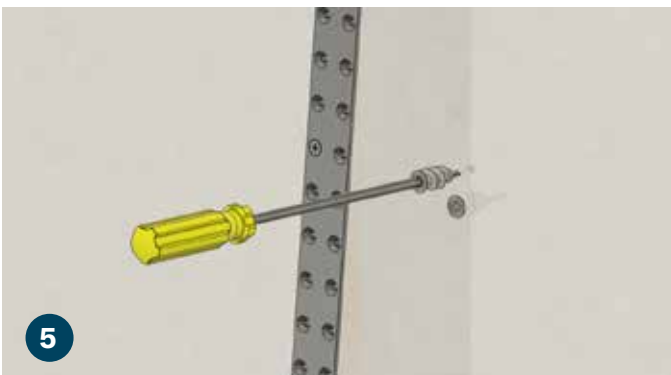


Using a drill, with a Phillips head driver, attach the wall plate using one of the 3" screws into one of the studs just tight enough that the wall plate can still be rotated by hand.

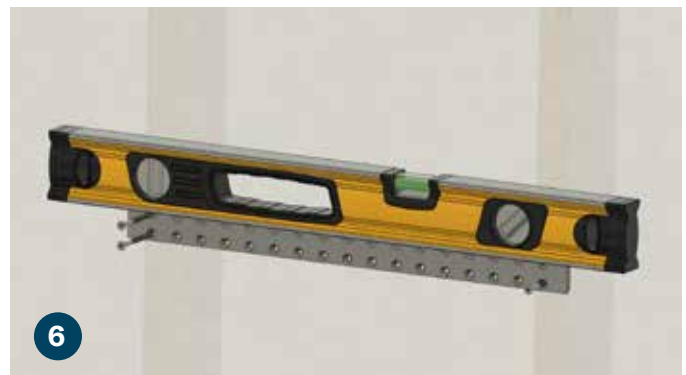


****FOR WALL ANCHORS ONLY****

Level the wall plate and mark the wall at the mounting holes at each end of the hardware.
Use a 1/8" drill bit and drill all marked locations.



The wall anchors provided are self-drilling. Align the drilling point of the anchor with the pilot hole and use a Phillips head screwdriver to drive the anchor into the wall until it stops.



Level the wall plate and finish securing the shelf to the wall using additional 3" lag screws at each stud location and 1" screws at each wall anchor.
Make sure all screws are fully tightened.

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Thread the shelf arms* into the slides and slide them onto the wall plate.

*If you purchased the shelf retainers with your hardware do not put the slides on the wall plate yet, they will be used to space the retainers. Skip to step 11.



Align the arms with the holes in the back of your shelf and slide the shelf all the way against the wall.



Adjust the shelf side to side until it is where you want it.



Pull the shelf back out from the wall 2-3".

Locate the two flat sections near the base of each arm and use an adjustable wrench to turn them clockwise to tighten them into the slide and lock the arm in place.

After you do this at each arm, slide the shelf back against the wall.



Place one of the shelf arms and slides into the outer-most holes in the back of the shelf. Remove the center bolt from the shelf retainer and place it in the pocket on either side of the slide. Find the center point of the retainer and make a mark $\frac{3}{8}$ " in from the back of the shelf on the bottom. Drill a $\frac{5}{16}$ " hole at that mark.



Insert the center bolt through the $\frac{5}{16}$ " hole and loosely thread it back into the retainer. You do not want to tighten the clamp down yet, or it will not go over the top of the wall plate.

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Press the top of the retainer against the top of the pocket and use a 1/8" bit through the 4 screw holes in the retainer to pilot drill the back of the pocket.
Secure the retainer using the provided #6 screws.
Repeat with the second retainer.



Align the arms with the holes in the back of your shelf and slide the shelf all the way against the wall.



Adjust the shelf side to side until it is where you want it.



Pull the shelf back out from the wall 2-3".
Locate the two flat sections near the base of each arm and use an adjustable wrench to turn them clockwise to tighten them into the slide and lock the arm in place.
After you do this at each arm, slide the shelf back against the wall.



Insert a 9/64" hex wrench through each 5/16" hole in the bottom of the shelf and tighten the retainer onto the wall plate. Slightly lifting the front edge of the shelf while pressing it against the wall can help the clamp fully engage the wall plate.



Congratulations.
You have successfully installed the Floating Shelf Hardware.