

# Assembly Instructions ■

Likha Caseloads

Floating Shelves

August 2021

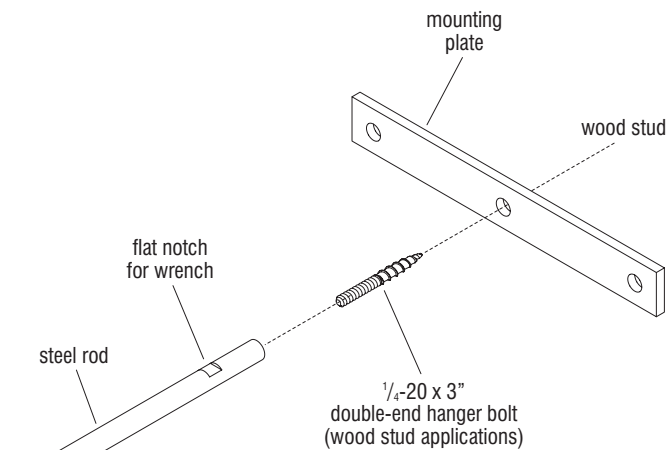


Figure 1

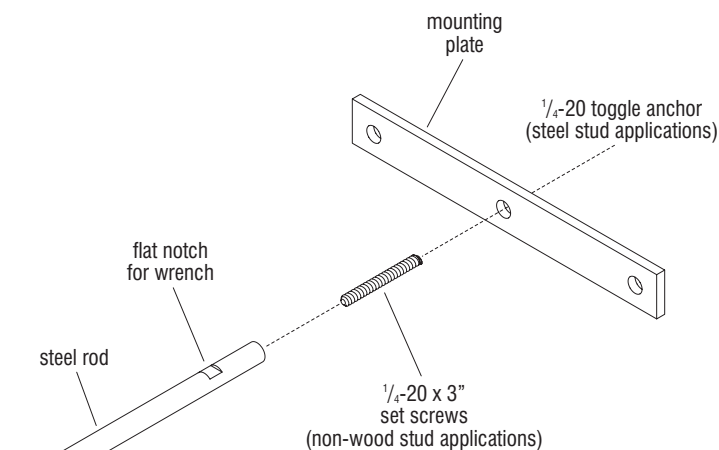


Figure 2

**Note:** Two types of mounting hardware are provided for use with the center mounting hole of the mounting plates. The 1/4-20 x 3" double-end hanger bolts are for wood stud applications, and the 1/4-20 x 2 1/4" set screws with 1/4-20 x 3" toggle anchors are for steel stud applications. The hardware to be used in the outside mounting holes on the plate are customer supplied. Select the correct type of mounting hardware to use based on your wall construction.

1. Assess wall stud locations with reference to mounting locations on the shelf back, then determine the location and height at which the shelf will be mounted to the wall. Position the shelf up to that location, about 1/2" above desired height and turn the shelf's top surface to face against the wall, so the shelf mounting holes face down. Use a spirit level to assure the shelf is level and straight, move the level away, hold the shelf level and mark a horizontal straight line at the installation location of the shelf.
2. While still holding the shelf top surface against the wall on the marked line (from step 1), make vertical marks onto the horizontal line at the exact center of each of the shelf back's mounting holes, making sure to align as many mounting holes as possible, with either a wood or steel stud.
3. Use a mounting plate as a template, positioned onto the horizontal line on the wall, then position and center the middle hole of the bracket exactly over a vertical mark on the line from step 1. Assure the bracket is straight on the line on the wall, then precisely mark the two outer hole locations onto the line on the wall. Carefully bore the appropriately sized pilot hole at the center of each marked location, noting if the location is in a wood stud, steel stud or dry wall application. Repeat this step to mark and pre-drill the remaining mounting hole locations along the line on the wall.
4. The steel rods which support the shelf must be set up in one of two ways: If the steel rod will be installed into a wood stud, thread a 1/4-20 x 3" double-end hanger bolt into the steel rod. If the steel rod will be installed into a steel stud or dry wall, thread a 1/4-20 x 2 1/4" set screw into the steel rod. Repeat this step to assemble the remaining steel rods (Figures 1 & 2).
5. If any of the assembled steel rods are for non-wood stud applications, 1/4-20 toggle anchors need to be installed into the center mounting hole locations on the wall first, otherwise proceed to step 6. Hold the metal bracket down flat against the plastic straps of the toggle anchor and insert into the center mounting hole on the wall. Hold the ends of straps together, pull away from the wall until bracket rest behind the wall at 90°. Slide ratchet cap along straps until flange of cap is flush with wall. Snap off both straps, level with the flange cap.

**CAUTION** Assemble units as described herein only. To do otherwise may result in instability. All screws, nuts and bolts must be tightened securely and must be checked periodically after assembly. Failure to assemble properly, or to secure parts may result in assembly failure and personal injury.

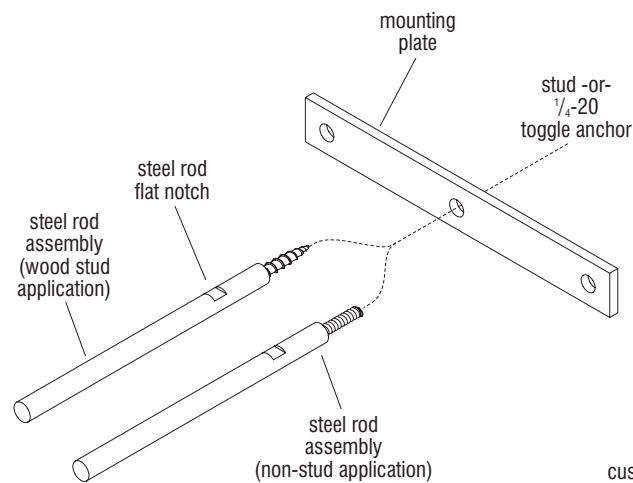
## ■ Likha Casegoods - Floating Shelf

### Assembly Instructions

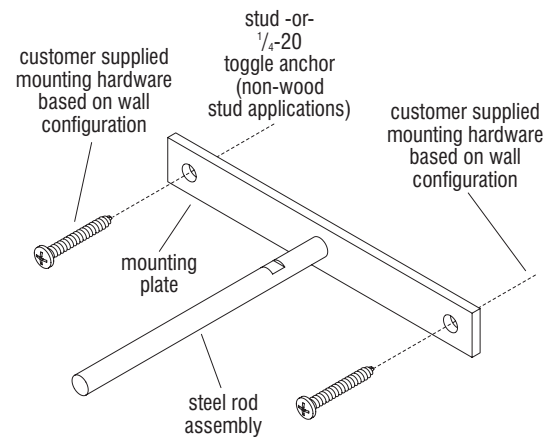


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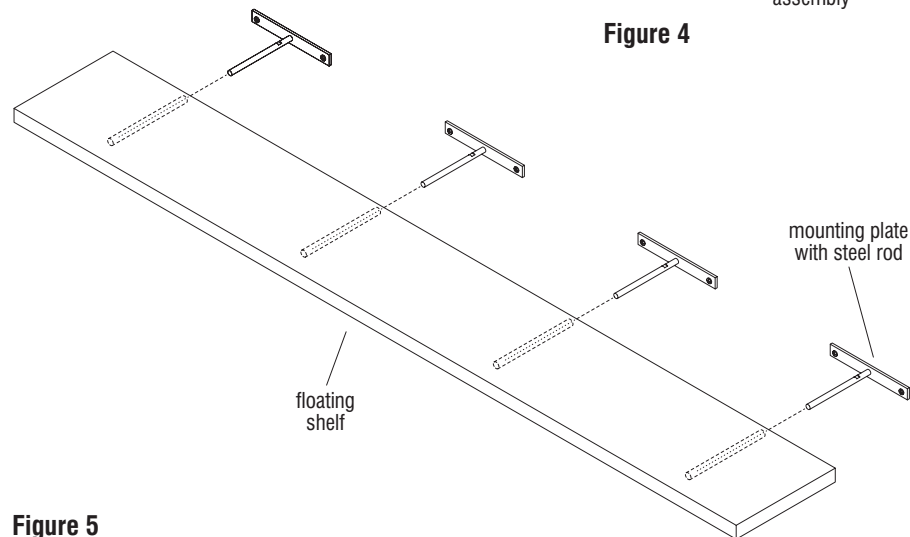
6. Align the center mounting hole of one plate with the appropriate pilot hole on the wall. Start securing the end of the appropriate steel rod assembly by hand, into the center mounting hole of the plate. Finishing securing the steel rod and plate to the wall by utilizing the flat notch on the steel rod and a wrench. Repeat this step to secure the remaining mounting plates to the wall with steel rod assemblies (Figure 3).
7. Align the two outer mounting holes of each mounting plate with the pilot holes on the wall and secure using the correct type of customer supplied wall anchor/mounting hardware based on the wall construction (Figure 4).
8. Align the mounting holes on the back of the floating shelf with the steel rods, then slide the shelf onto the rods (Figure 5).



**Figure 3**



**Figure 4**



**Figure 5**