

CRATES & PALLET BOOKSHELF



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MATERIALS:

(6) 2 x 4 x 8 ft. Boards
(6) 2 x 10 x 8 ft. Boards
(4) Bundles of Reclaimed Pallet Parts
2 ½-inch Pocket Hole Screws
2 ½-inch Wood Screws
1 ¼-inch Brad Nails
Wood Glue

TOOLS:

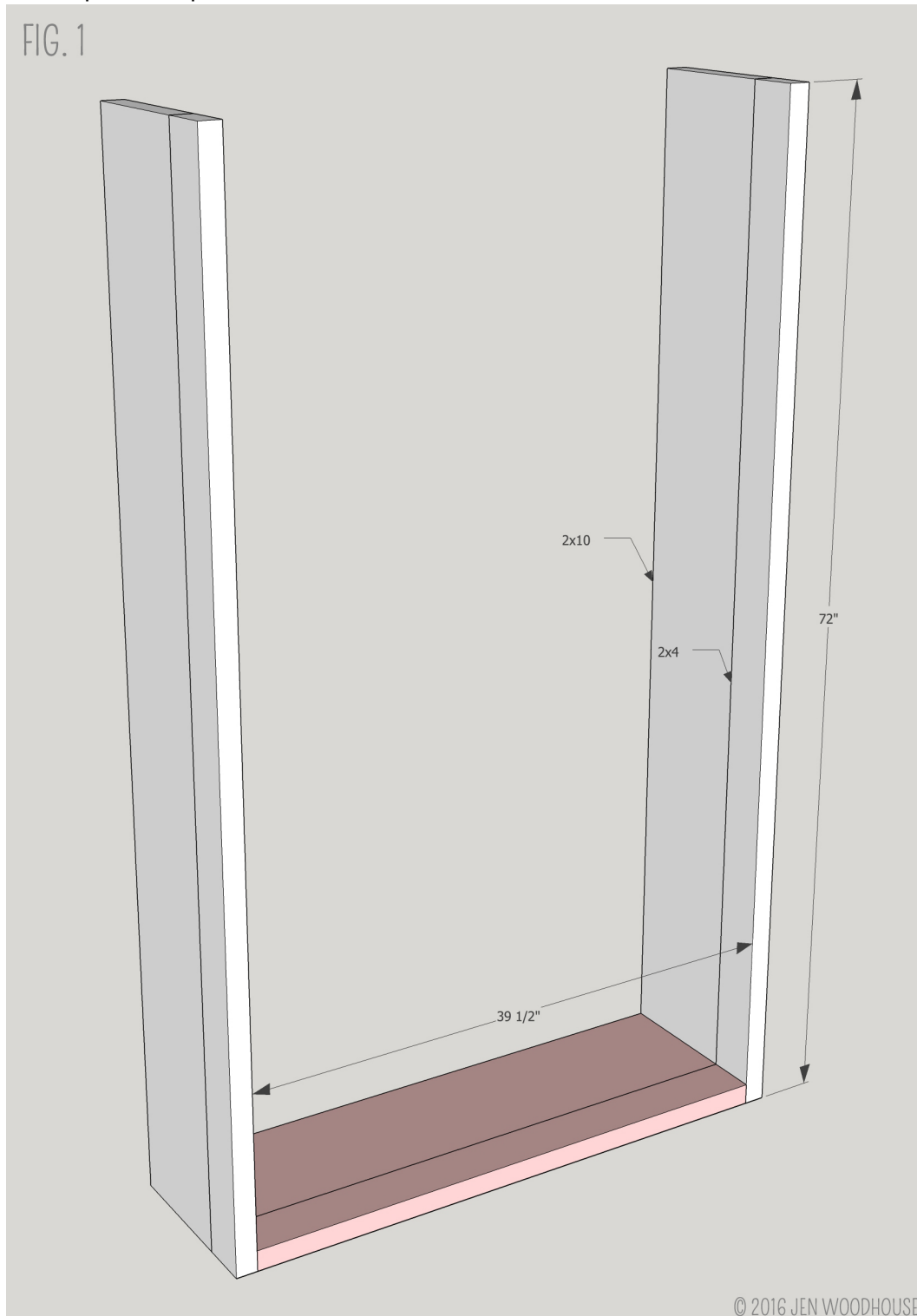
Tape Measure
Speed Square
Pencil
Drill with Countersink Drill Bit
Circular Saw
Pocket Hole Jig
Hammer or Brad Nailer
Safety Glasses
Hearing Protection

CUT LIST:

(2) 2 x 4 @ 72 inches (sides)
(2) 2 x 10 @ 72 inches (sides)
(6) 2 x 4 @ 39 ½ inches (shelves)
(6) 2 x 10 @ 39 ½ inches (shelves)
(1) 2 x 4 @ 42 ½" inches (top)
(1) 2 x 10 @ 42 ½ inches (top)
(4) 2 x 4 @ 10 ½ inches (dividers)
(4) 2 x 10 @ 10 ½ inches (dividers)

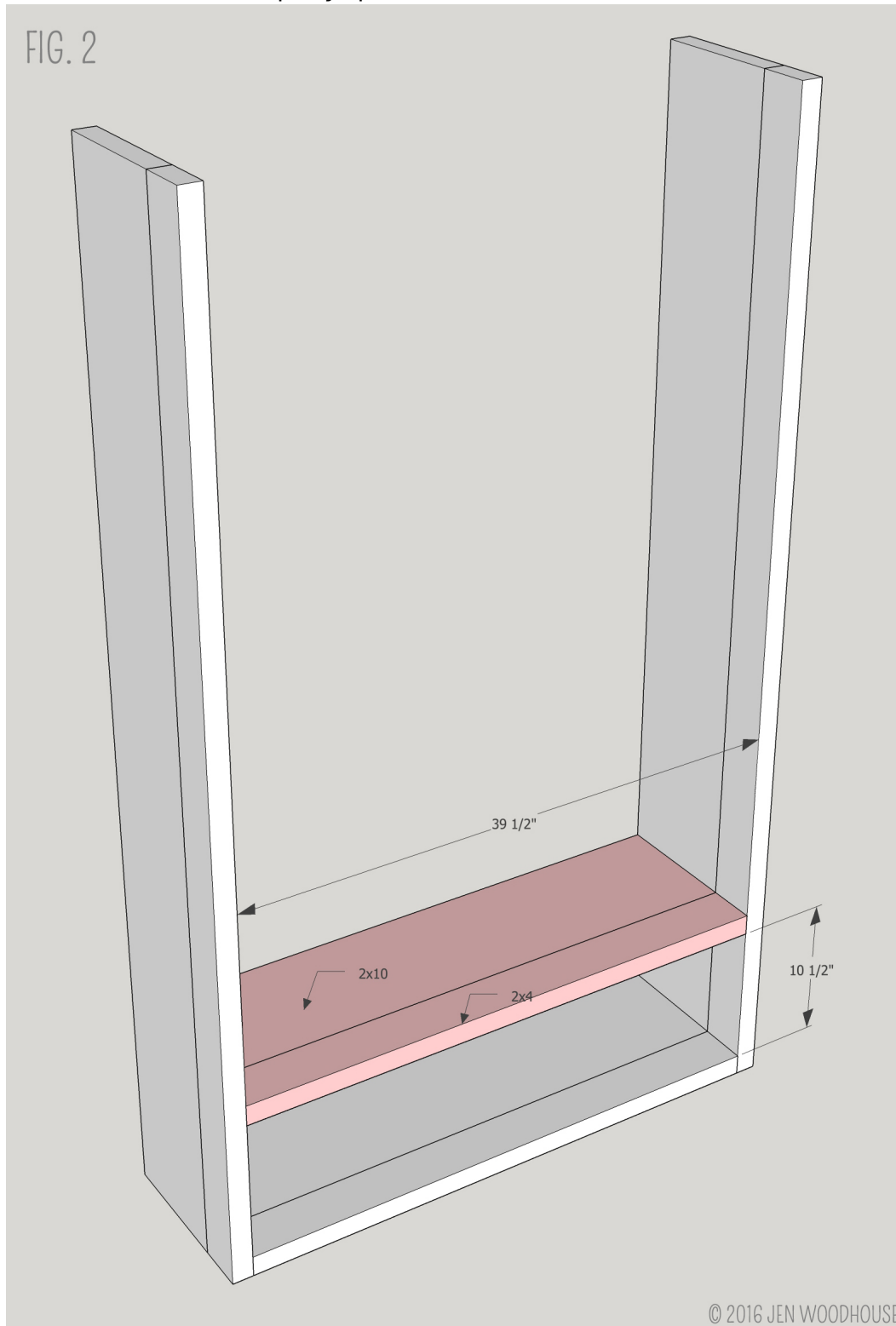
STEP 1:

Using the cut list above, cut all the boards to length. Drill 1 ½-inch pocket holes into the edges of the 2 x 10 boards, spacing the holes approximately 6 – 8 inches apart. Attach the 2 x 10 boards, edge-to-edge, to the 2 x 4 boards with 2 ½-inch pocket hole screws and wood glue. Then, pre-drill pilot holes and attach the bottom shelf to the sides with 2 ½-inch wood screws.



STEP 2:

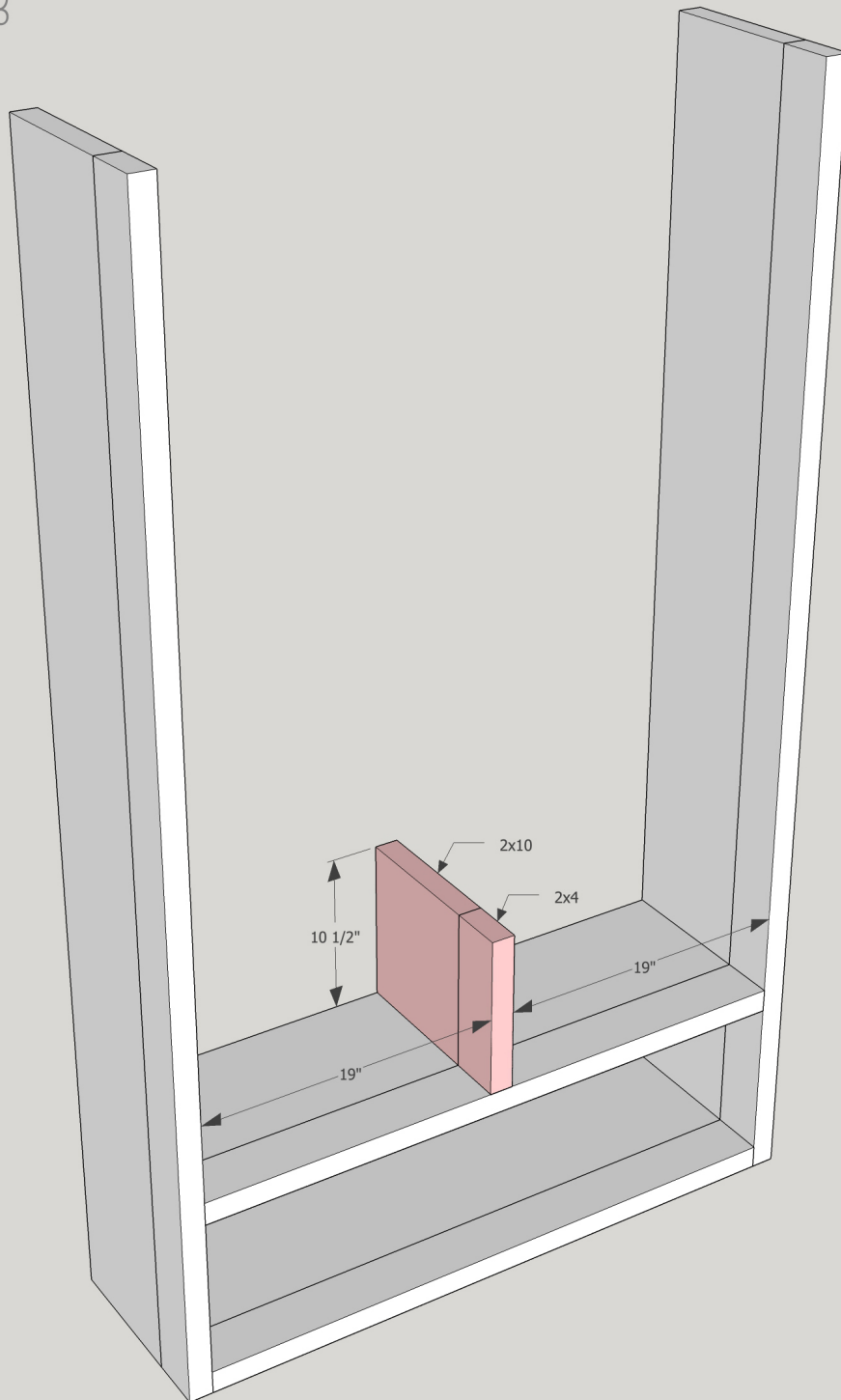
Pre-drill and countersink pilot holes and attach the next shelf to the sides with 2 ½-inch wood screws. You may want to cut a couple scrap pieces of wood at 10 ½-inches to serve as spacers to ensure each shelf is equally spaced and level.



STEP 3:

Pre-drill and countersink pilot holes and attach the divider to the shelf with 2 ½-inch wood screws.

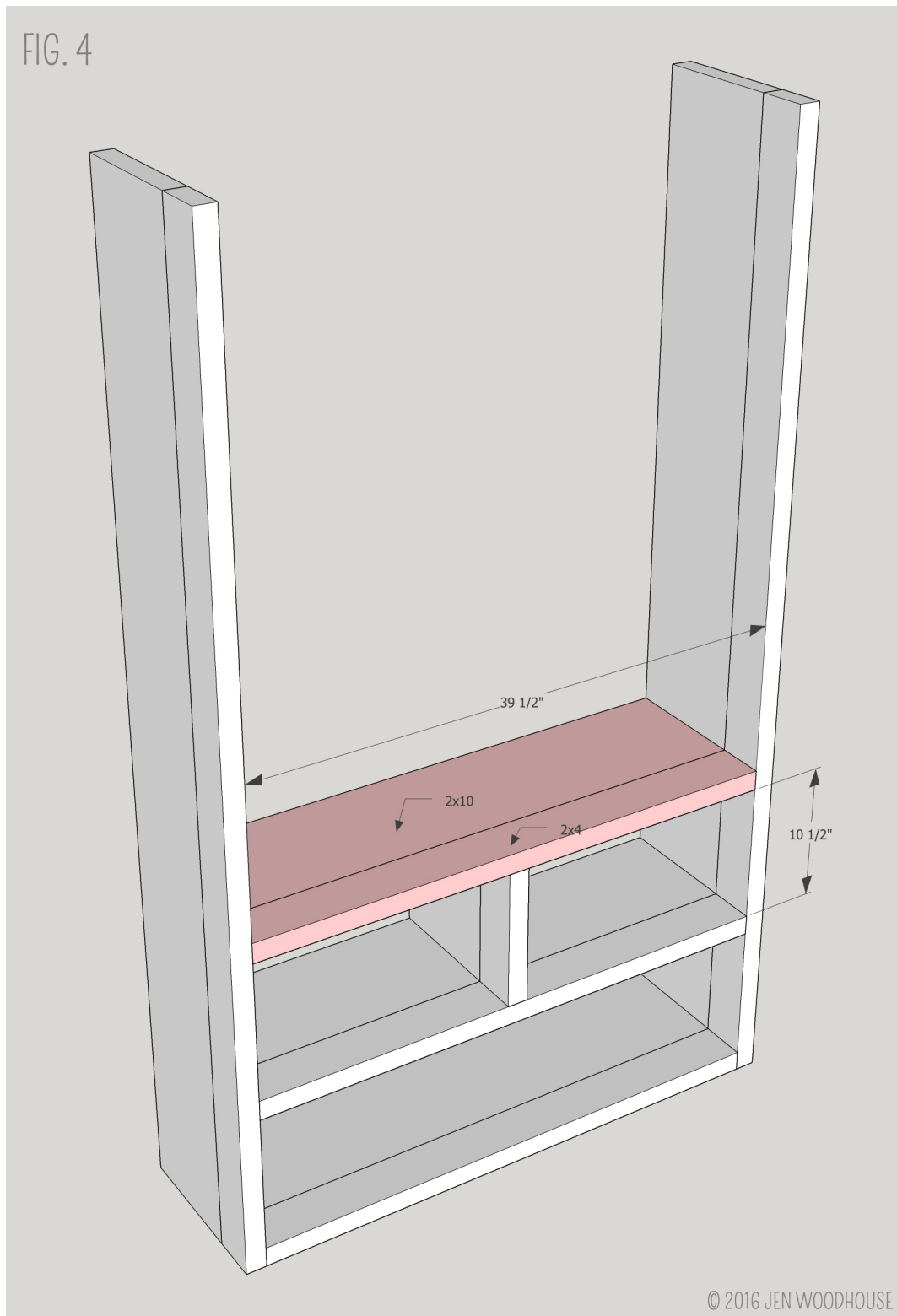
FIG. 3



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STEP 4:

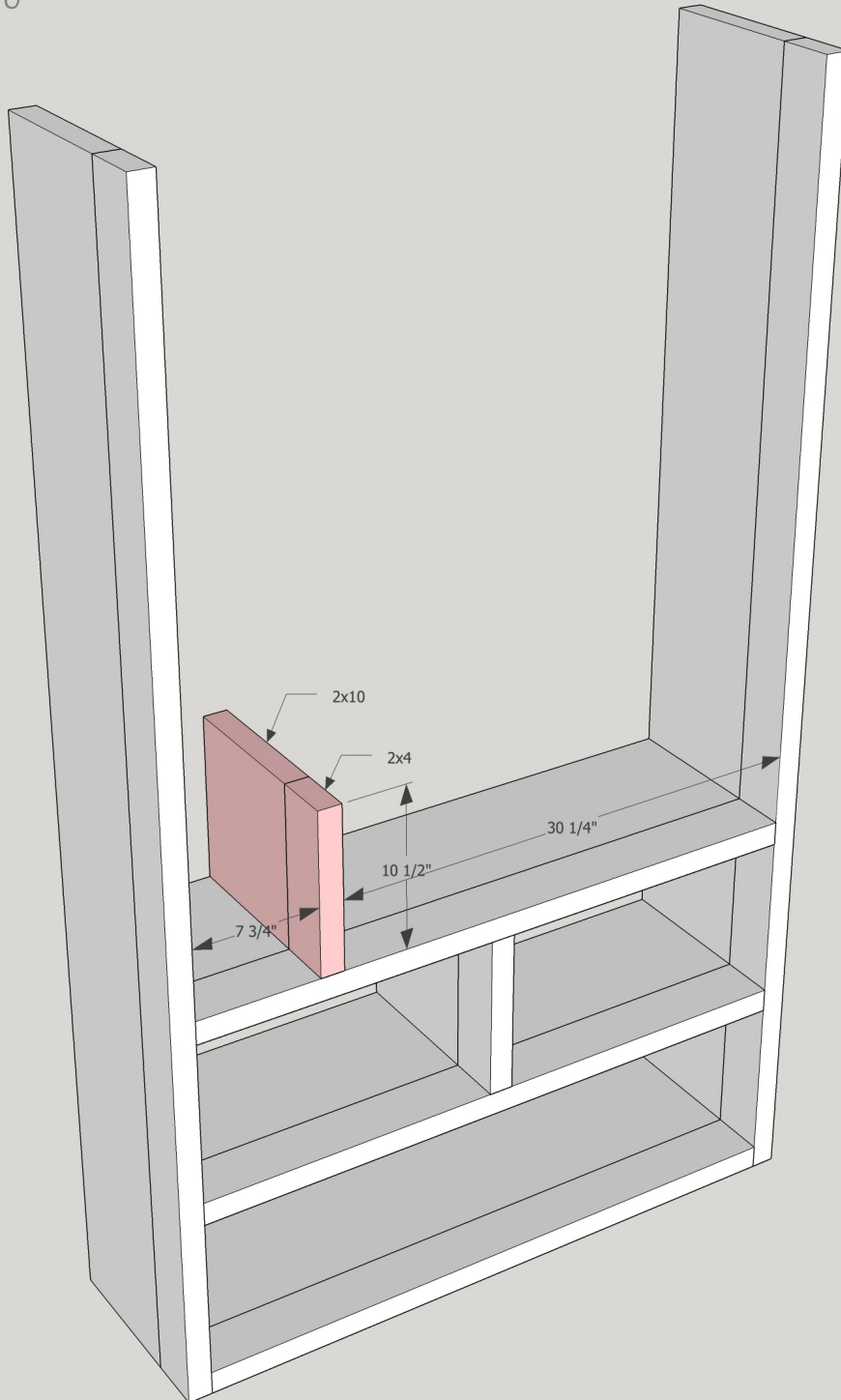
Pre-drill and countersink pilot holes and attach the next shelf to the sides with 2 ½-inch wood screws.



STEP 5:

Pre-drill and countersink pilot holes and attach the divider to the shelf with 2 ½-inch wood screws.

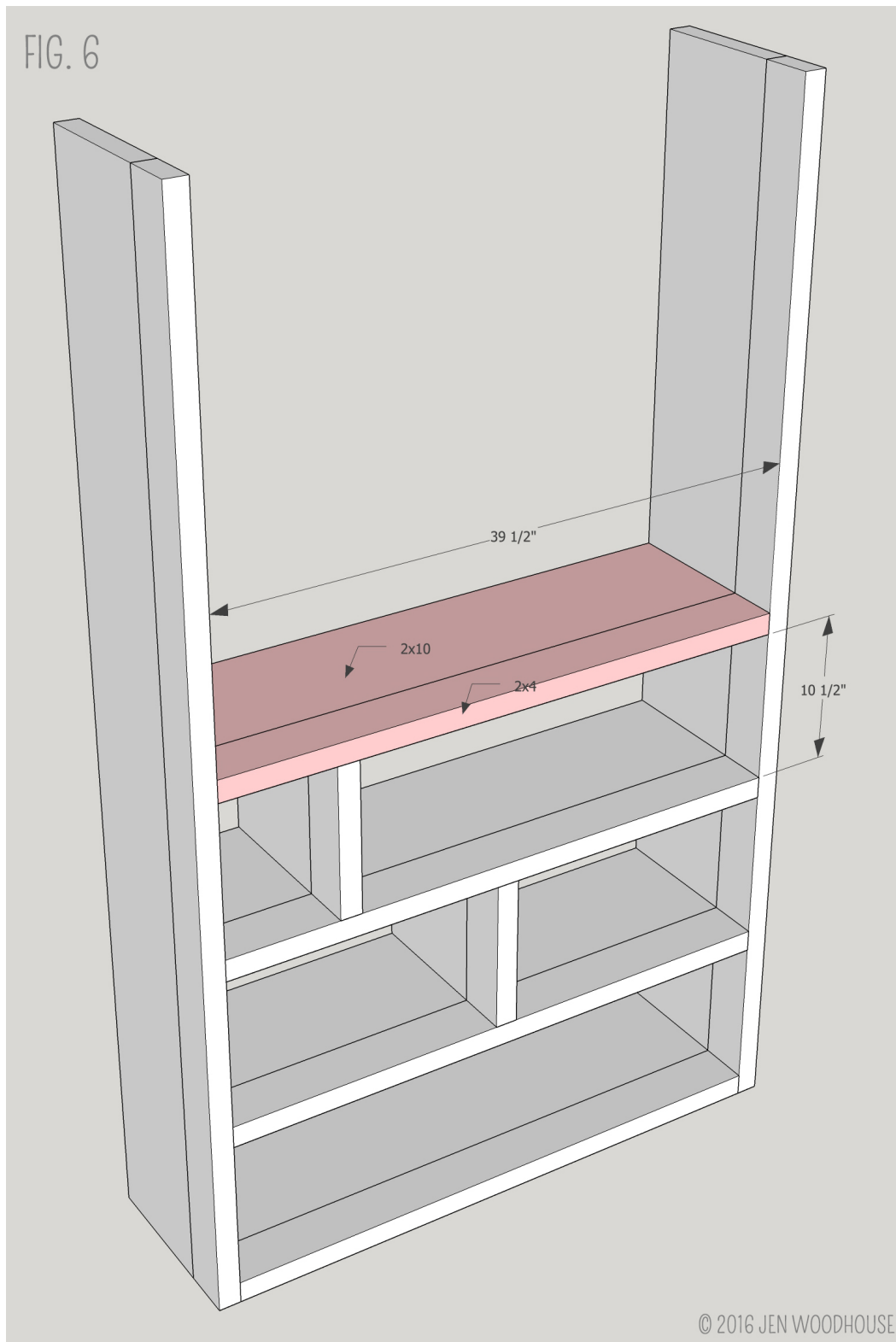
FIG. 5



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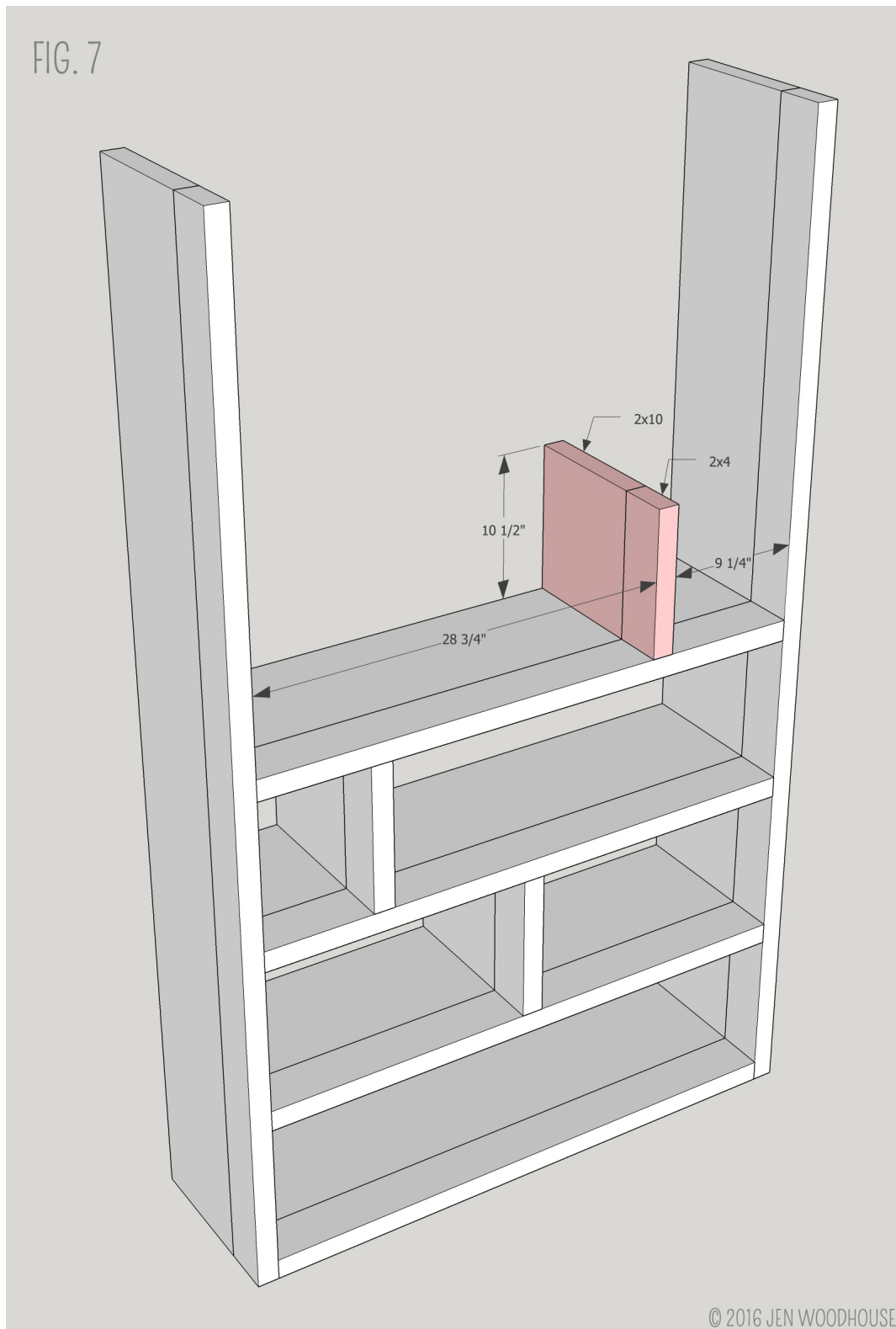
STEP 6:

Pre-drill and countersink pilot holes and attach the next shelf to the sides with 2 ½-inch wood screws.



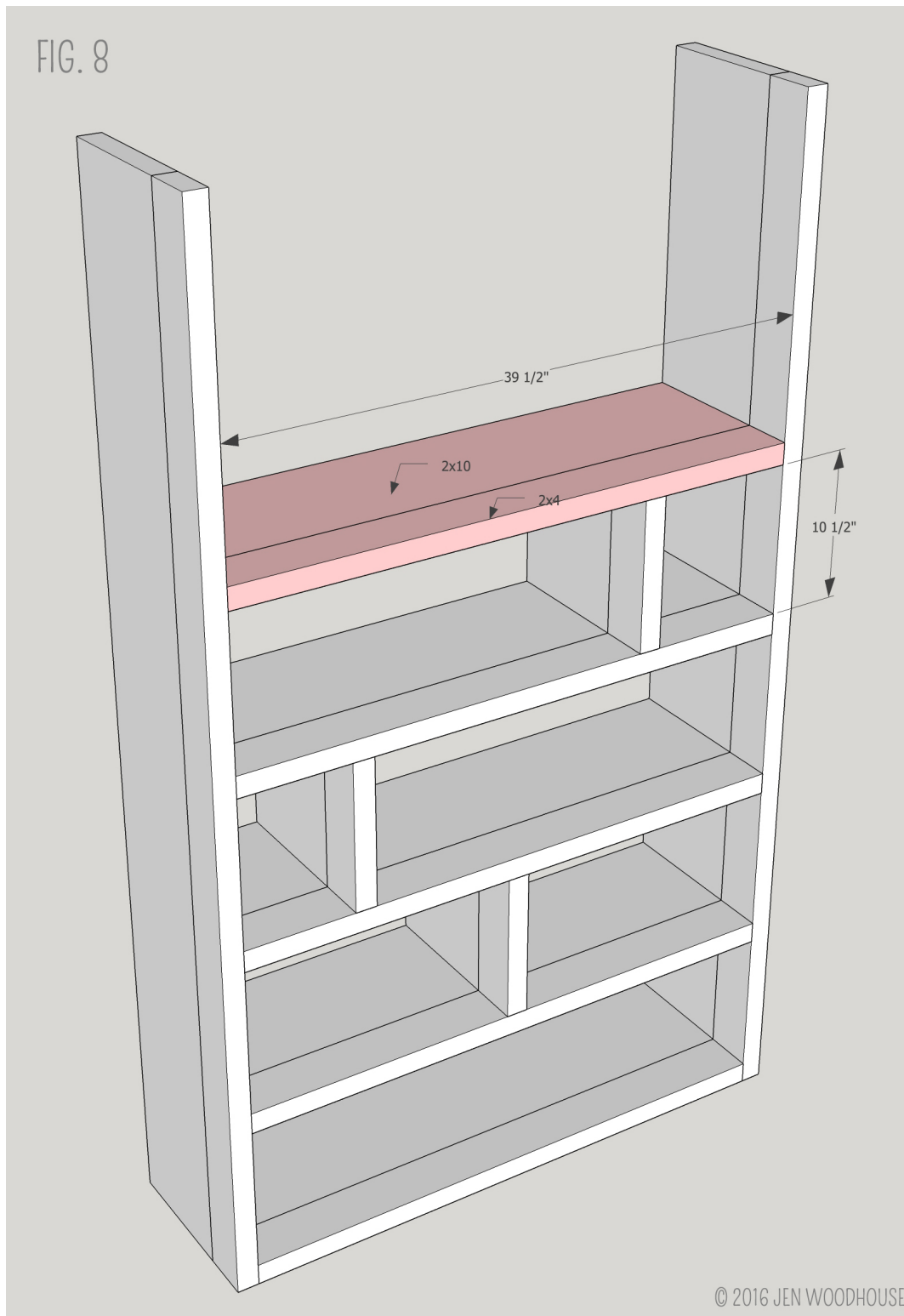
STEP 7:

Pre-drill and countersink pilot holes and attach the divider to the shelf with 2 ½-inch wood screws.



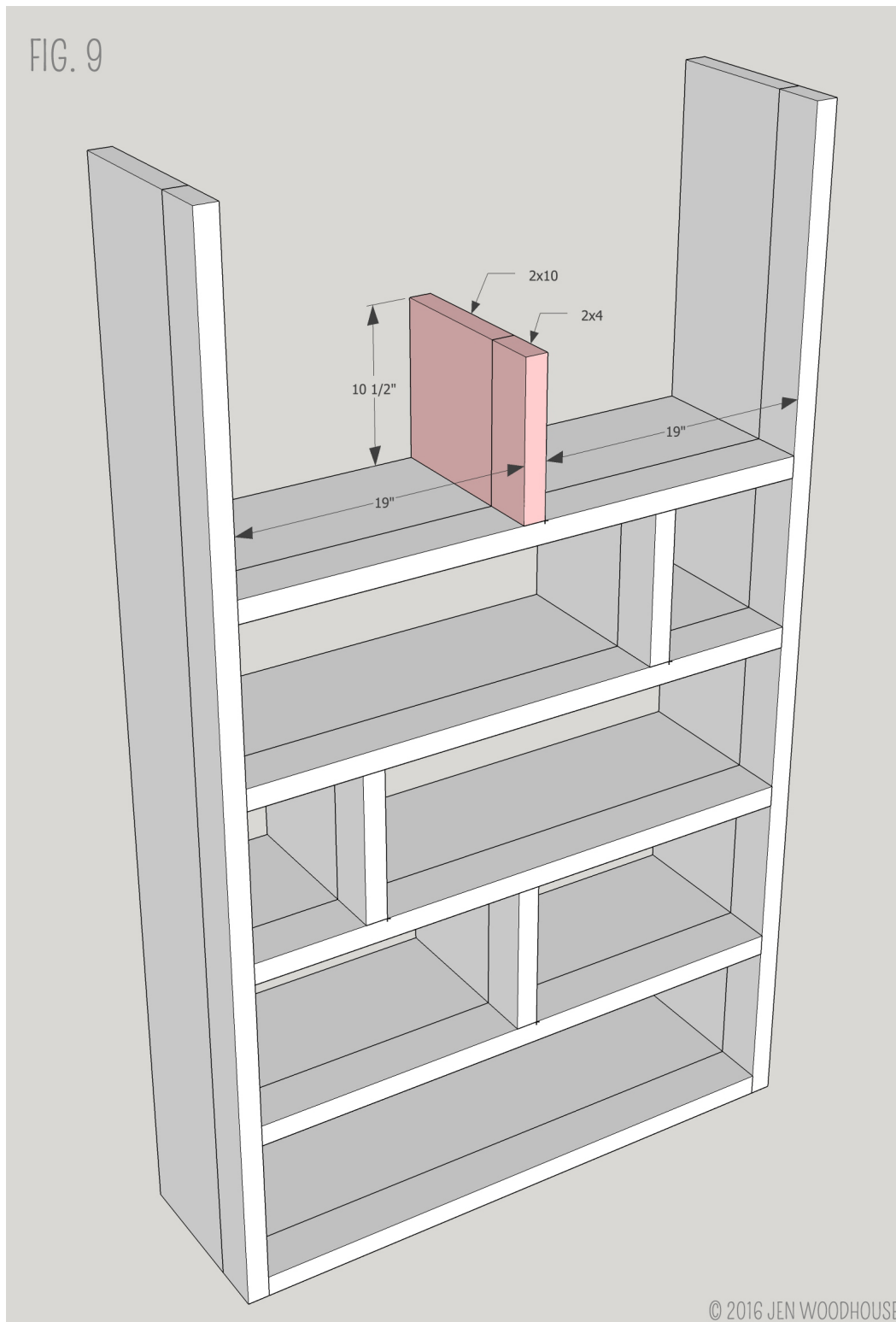
STEP 8:

Pre-drill and countersink pilot holes and attach the next shelf to the sides with 2 ½-inch wood screws.



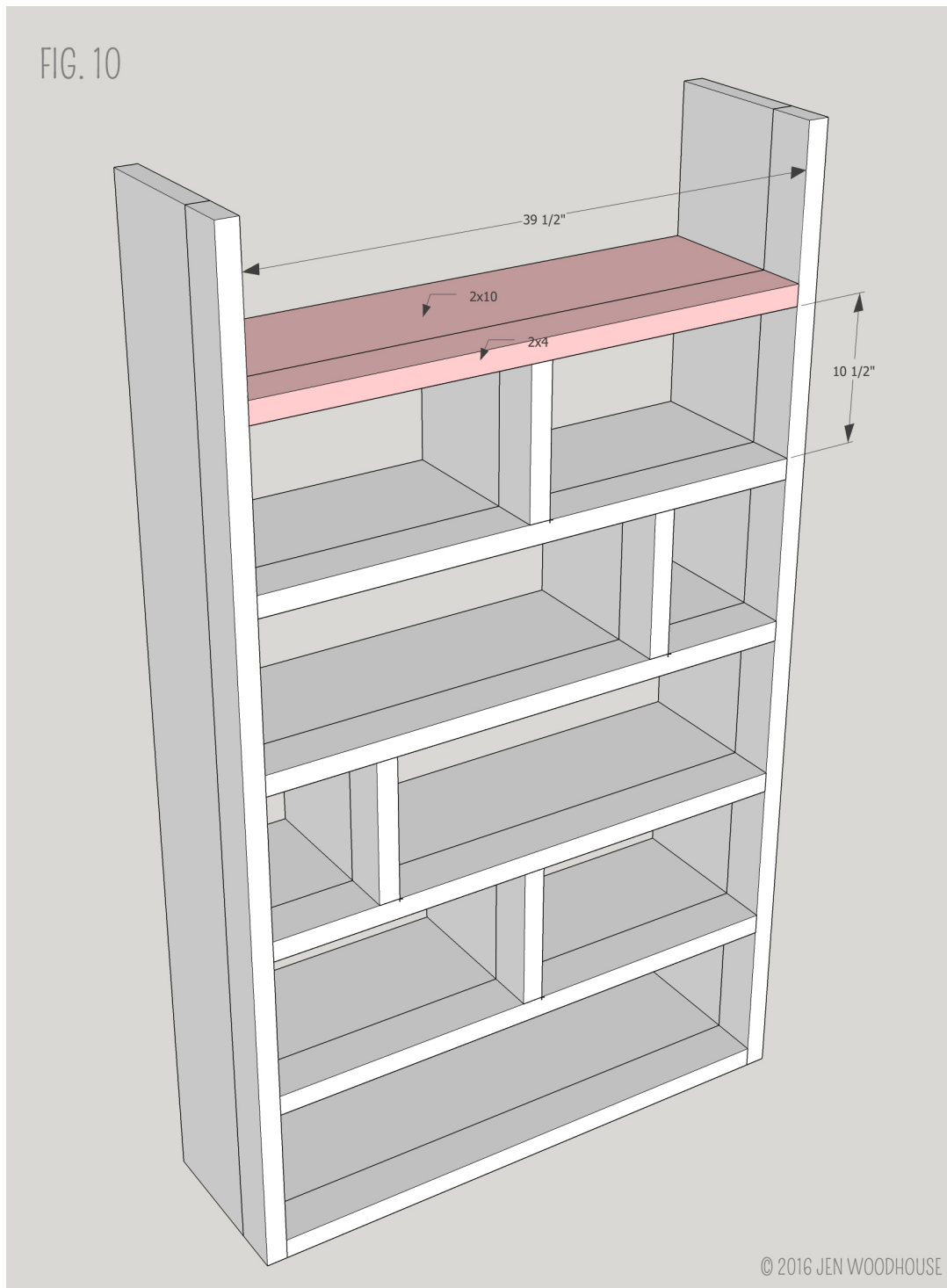
STEP 9:

Pre-drill and countersink pilot holes and attach the divider to the shelf with 2 ½-inch wood screws.



STEP 10:

Pre-drill and countersink pilot holes and attach the next shelf to the sides with 2 ½-inch wood screws.



STEP 11:

Pre-drill and countersink pilot holes and attach the top to the sides with 2 ½-inch wood screws. Finally, attach the pallet wood to the sides and front face frame of the bookshelf with wood glue and 1 ¼-inch brad nails. Cut and rip the pallet boards at random lengths, staggering the boards as desired.

