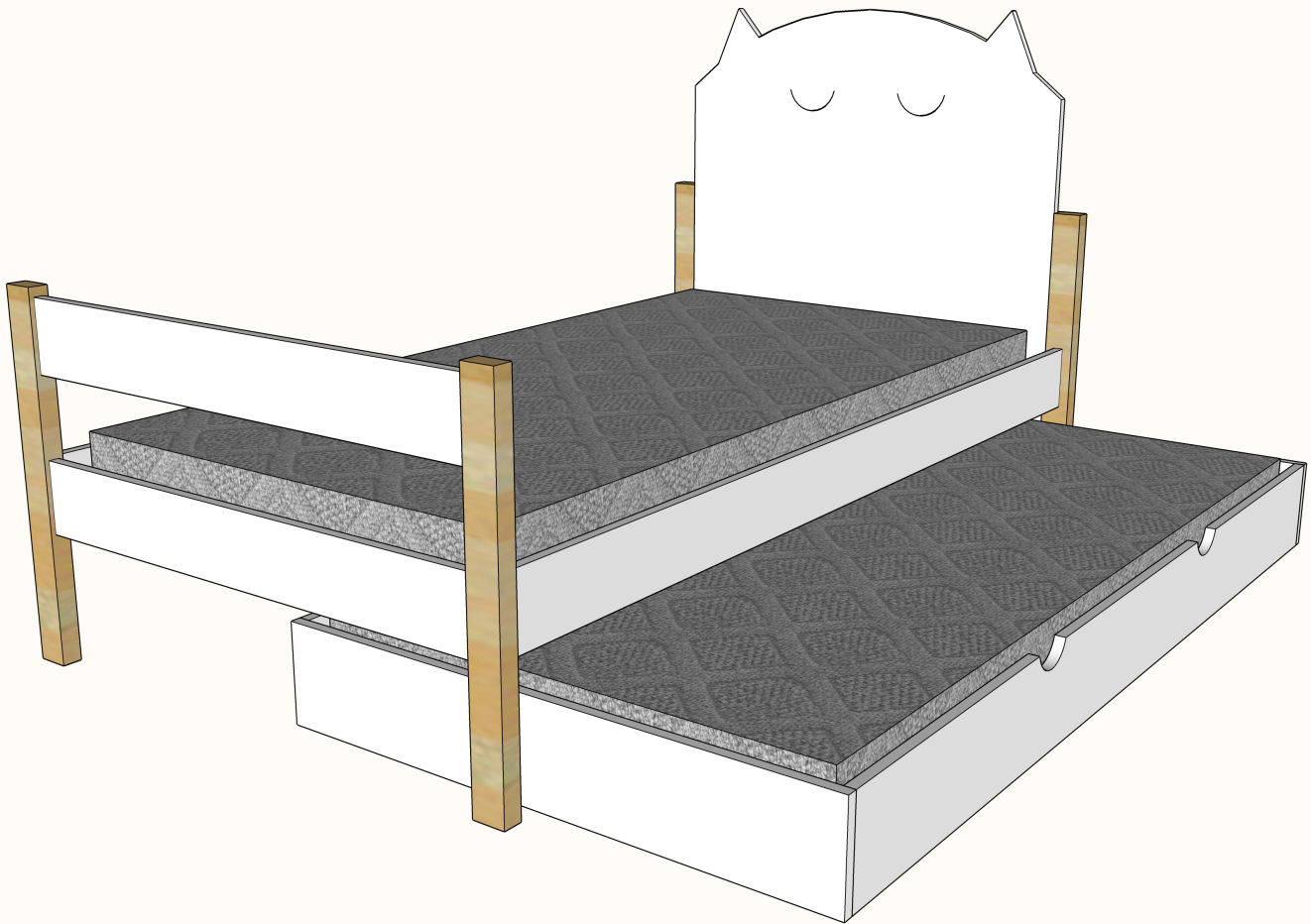


TWIN KITTY TRUNDLE BED



JENWOODHOUSE

MATERIALS:

- (2) 2 x 3 x 8 Ft. Board
- (3) 1 x 6 x 10 Ft. Boards
- (1) 4 x 8 Ft. Sheet of $\frac{3}{4}$ -inch Plywood
- (1) 4 x 4 Ft. Sheet of $\frac{3}{4}$ -inch Plywood
- (2) 1 x 2 x 8 Ft. Boards
- (6) 1 x 3 x 8 Ft. Boards
- (3) 1 x 8 x 8 Ft. Boards
- (1) 1 x 10 x 8 Ft. Board
- (6) 2-inch Fixed Casters
- 1 $\frac{1}{4}$ -inch Pocket Screws
- 1 $\frac{1}{4}$ -inch Wood Screws
- Wood Glue

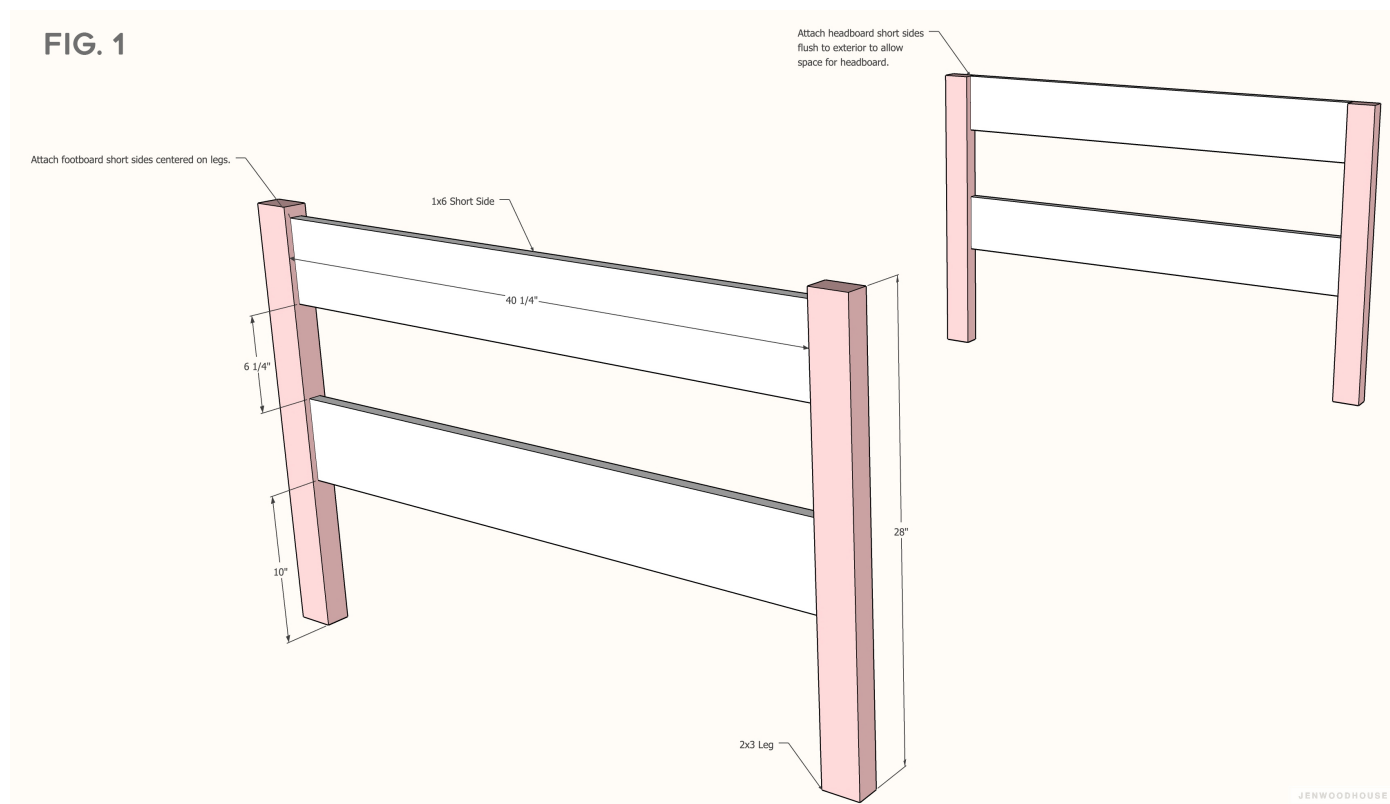
TOOLS:

- Tape Measure
- Pencil
- Carpenter's Square
- Cordless Drill/Driver
- Circular Saw
- Jig Saw
- Pocket Hole Jig
- Safety Glasses
- Hearing Protection
- Dust Mask

CUT LIST:

- (4) 2x3 @ 28 inches (legs)
- (4) 1x6 @ 40 $\frac{1}{4}$ inches (short sides)
- (2) 1x6 @ 78 $\frac{5}{8}$ inches (long sides)
- (2) 1x2 @ 78 $\frac{5}{8}$ inches (mattress cleats)

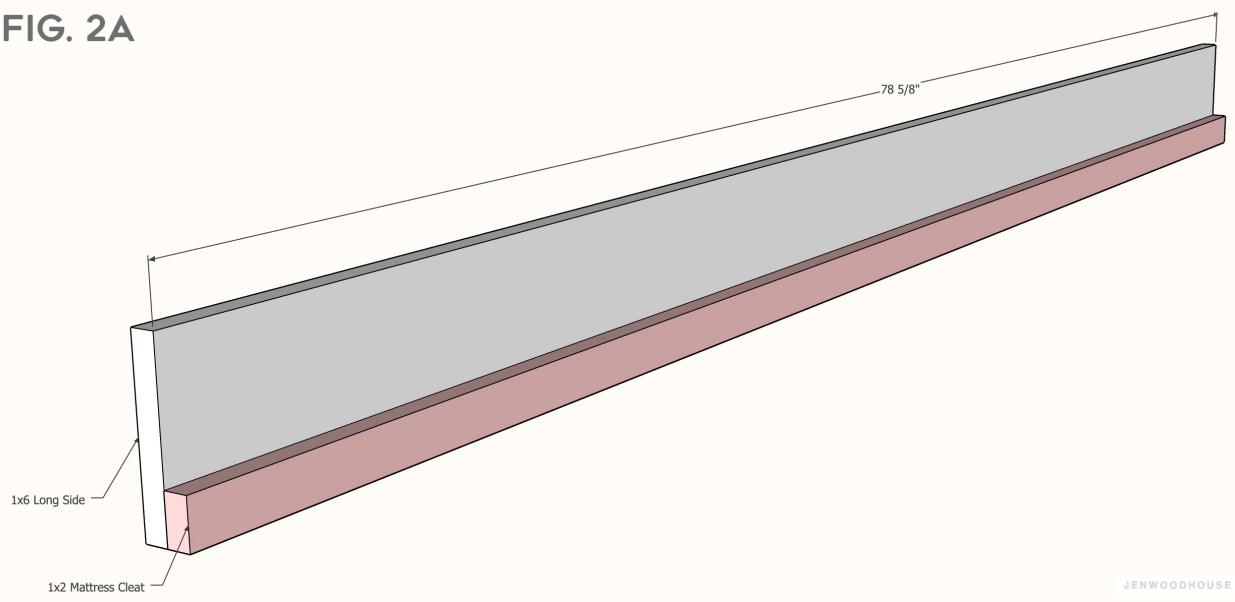
- (1) $\frac{3}{4}$ -inch plywood @ 40 inches x 36 inches (headboard)
- (12) 1x3 @ 42 inches (mattress slats)
- (1) $\frac{3}{4}$ -inch plywood @ 77 inches x 40 inches (trundle bottom)
- (2) 1x8 @ 77 inches (trundle long sides)
- (2) 1x8 @ 41 $\frac{1}{2}$ inches (trundle short sides)
- (1) 1x10 @ 78 $\frac{1}{2}$ inches (trundle drawer face)



STEP 1 – BUILD THE HEADBOARD AND FOOTBOARD

Measure, mark, and cut 2x3 legs and 1x6 boards to length. Drill $\frac{3}{4}$ -inch pocket holes into the ends of the 1x6 boards and attach them to the legs with 1 $\frac{1}{4}$ -inch pocket screws and wood glue. Notice that the 1x6 boards on the footboard are centered on the legs, while the 1x6 boards on the headboard are attached flush to the exterior. This will leave $\frac{3}{4}$ inches of space for the headboard to be attached in later steps.

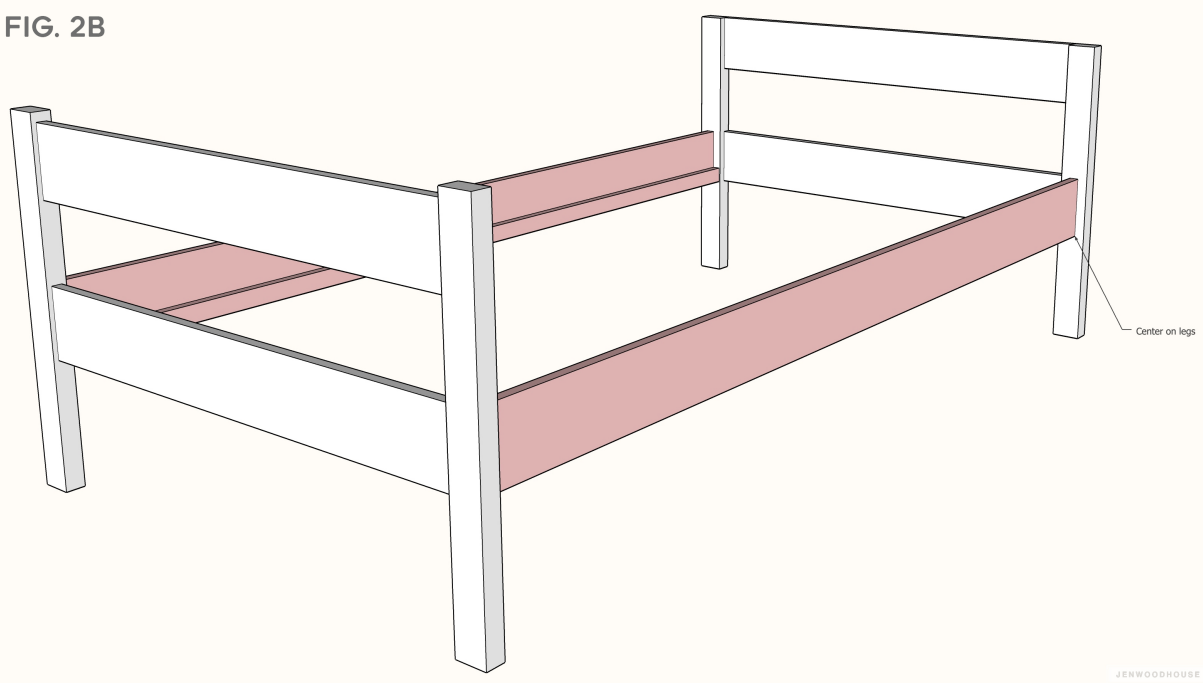
FIG. 2A



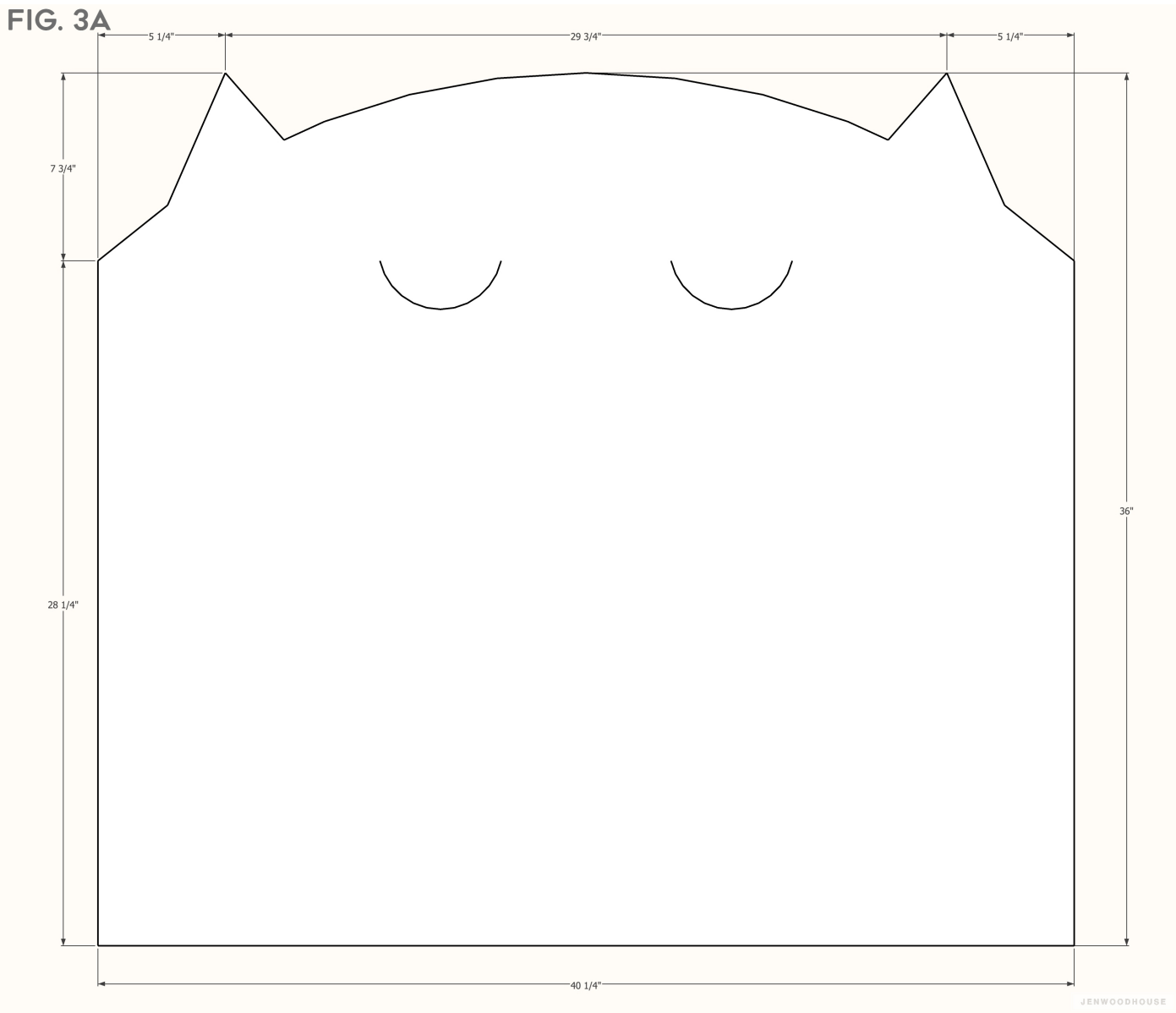
STEP 2 – BUILD AND ATTACH THE BED RAILS

Measure, mark, and cut 1x6 and 1x2 boards to length. Drill $\frac{3}{4}$ -inch pocket holes into the ends of the 1x6 boards. Position the 1x2 mattress cleats on 1x6 rails as shown (flush to the bottom edge). Pre-drill pilot holes and attach the 1x2 mattress cleats to the 1x6 rails with 1 $\frac{1}{4}$ -inch wood screws and wood glue. Space the screws about 6-8 inches apart. Make two of these bed rails. Position the bed rails 10 inches from the floor and attach them to the legs with 1 $\frac{1}{4}$ -inch pocket screws and wood glue.

FIG. 2B

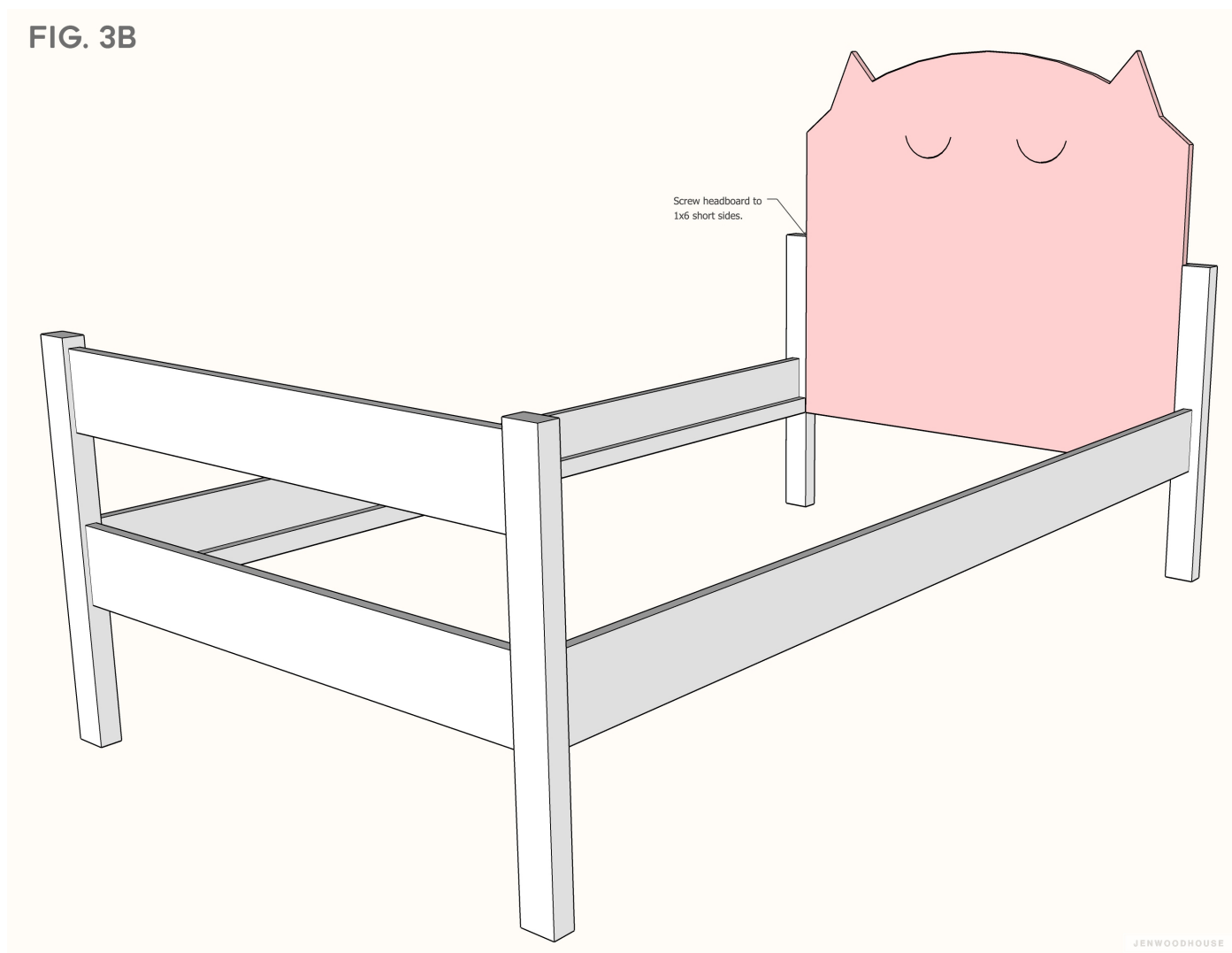


Alternately, if you'd like to be able to disassemble this bed, I recommend using metal bed rail brackets (the product link is in my blog post). If you choose this route, you do **not** need to drill pocket holes into the 1x6 long sides. Also, do **not** glue the bed rails to the legs!

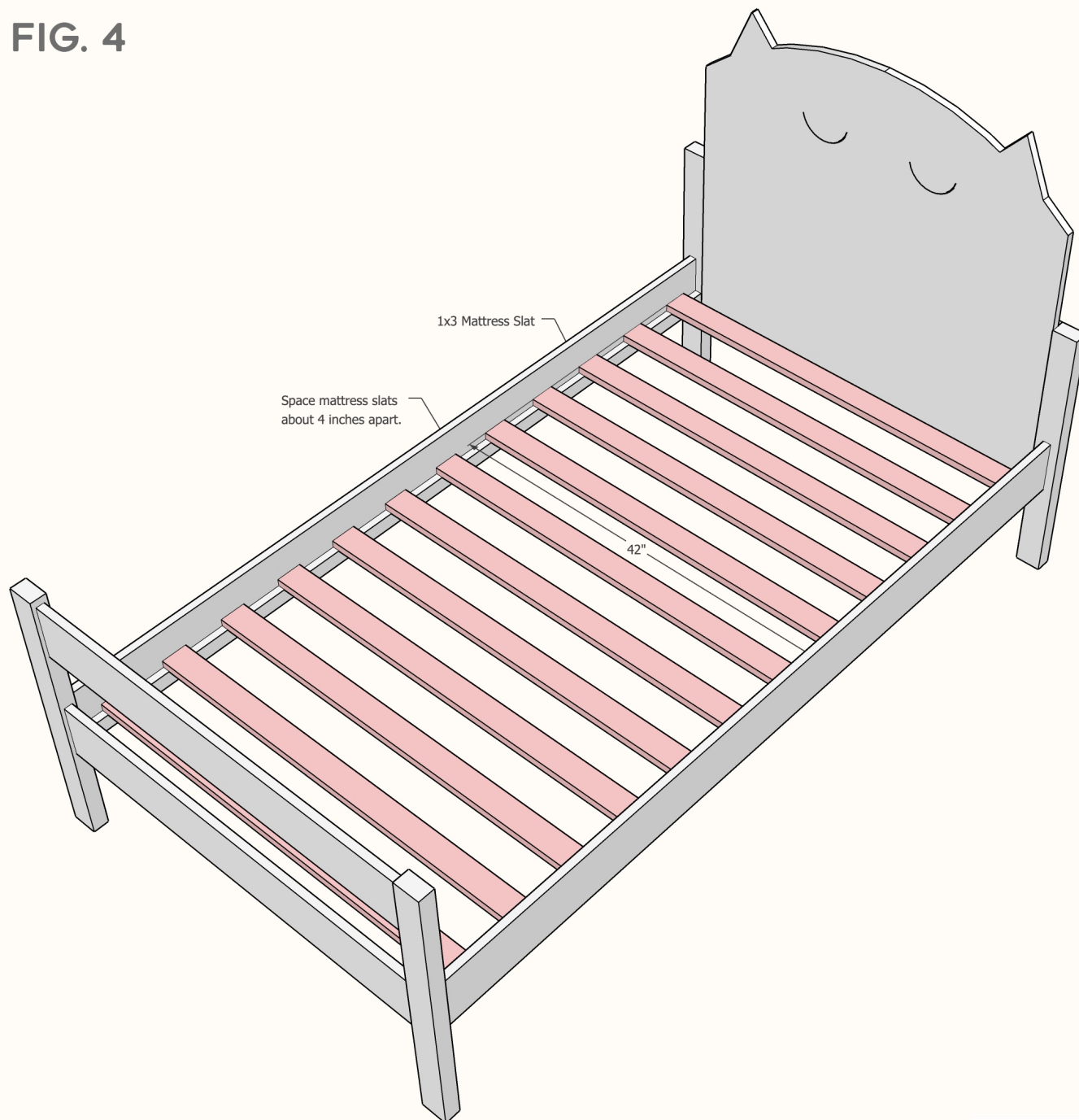


STEP 3 – CUT OUT AND ATTACH THE HEADBOARD

Using a jigsaw, cut out the kitty silhouette. Attach the kitty headboard to the bed with 1 1/4-inch wood screws and wood glue.

FIG. 3B

Pre-drill pilot holes and drive 1 ¼-inch wood screws from the other side, where the 1x6 boards are, so you don't see the screw heads on the face of the headboard. You can also use wood glue and 1 ¼-inch brad nails here, if you'd prefer.

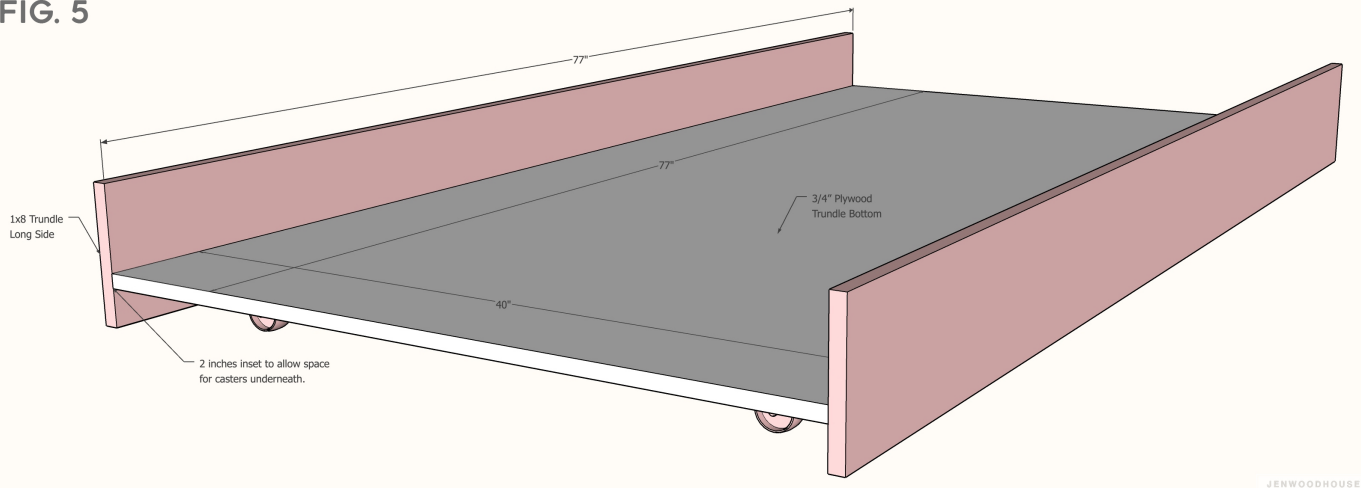
FIG. 4

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STEP 4 – ADD THE MATTRESS SLATS

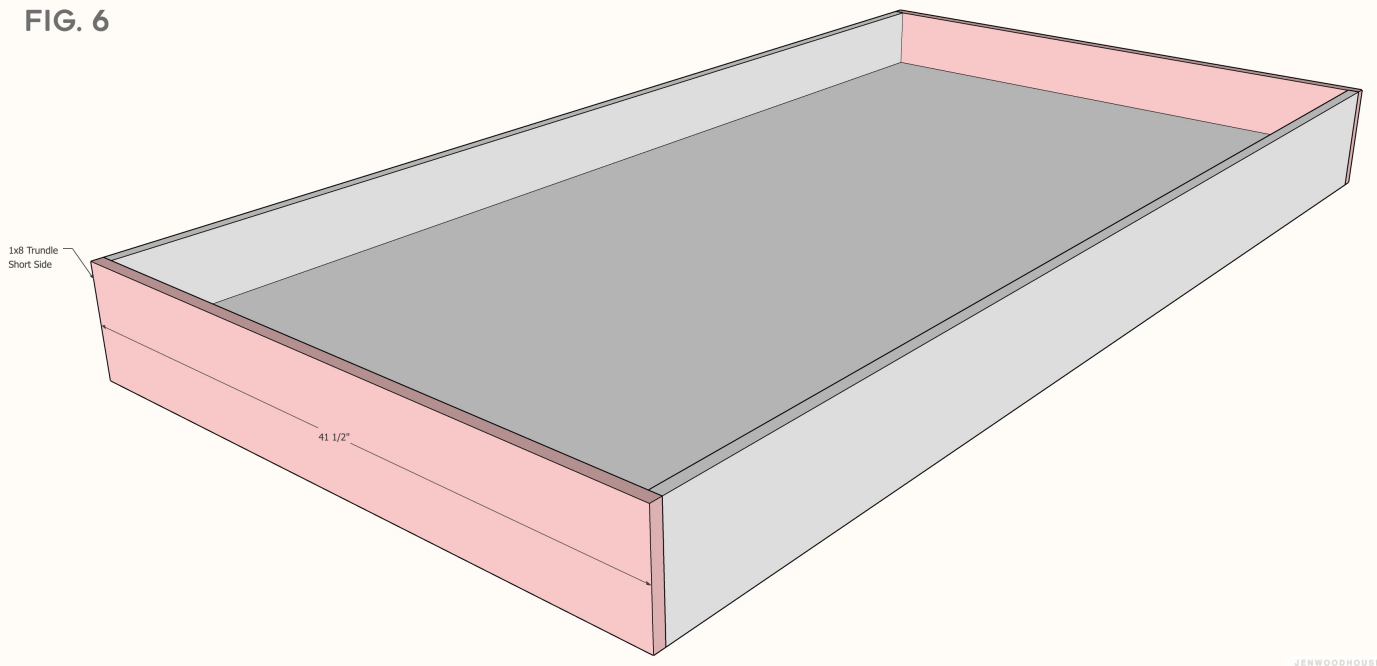
Measure, mark, and cut 1x3 mattress slats to length. Space mattress slats about 4 inches apart. Do not glue the mattress slats down if you'd like to disassemble the bed later.

FIG. 5

**STEP 5 – BUILD THE TRUNDLE**

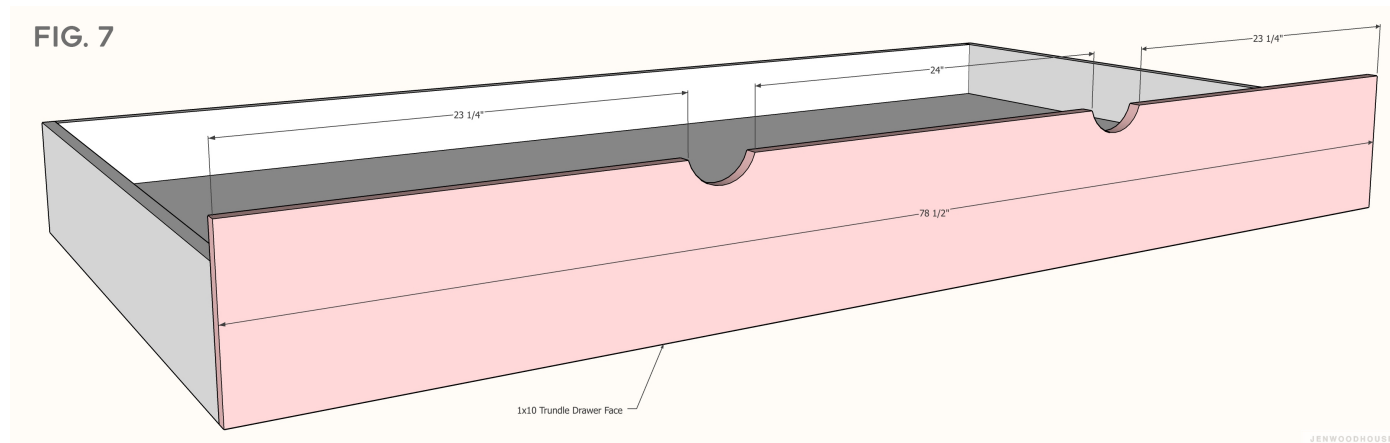
Measure, mark, and cut plywood to size and 1x8 boards to length. Drill $\frac{3}{4}$ -inch pocket holes along all four edges of the plywood. You can place pocket holes either on the underside or topside of the plywood panel (mattress will hide pocket holes). Position long sides as shown, with a 2-inch inset from the bottom and attach it the plywood with 1 $\frac{1}{4}$ -inch pocket screws and wood glue. The position of this plywood panel will be determined by the size of your casters – be sure that you leave enough space underneath for the total height of the casters.

FIG. 6



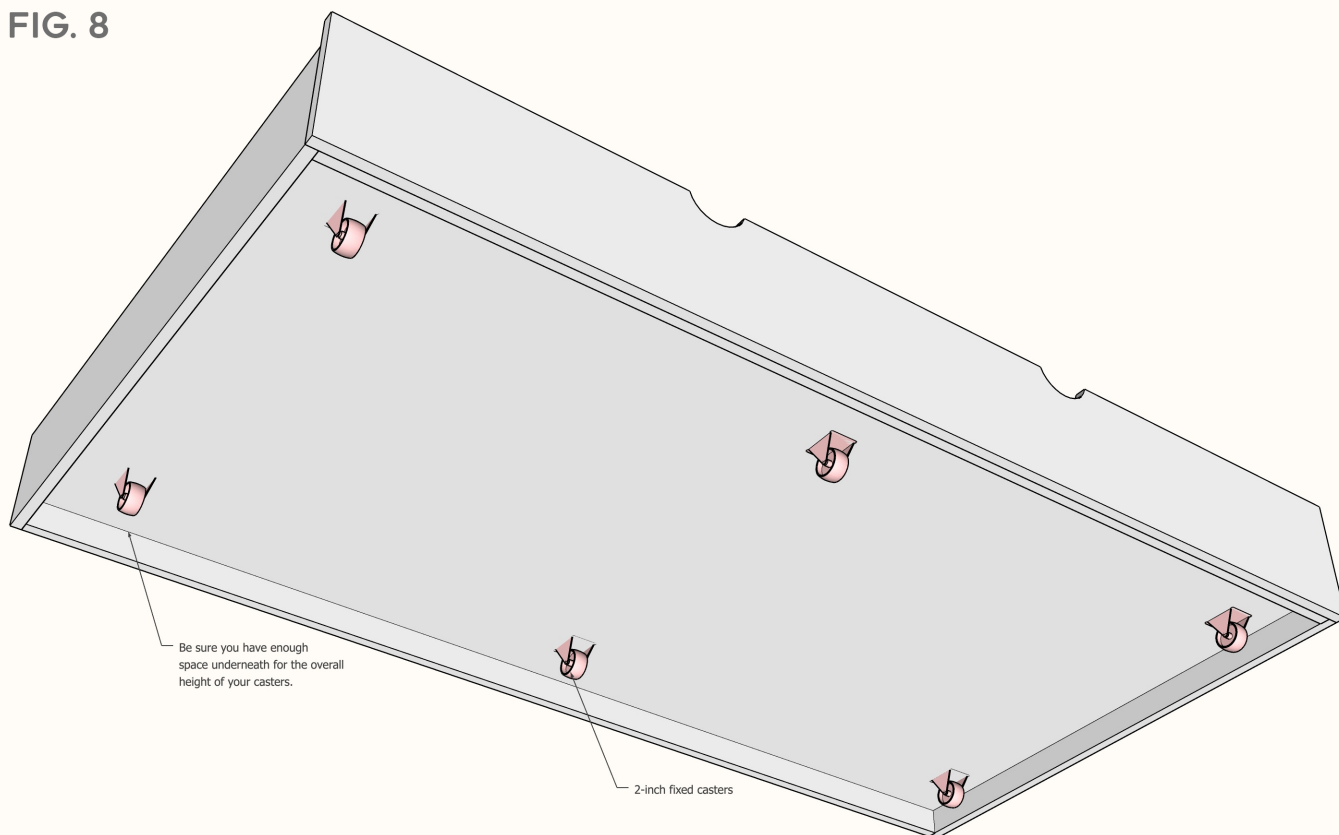
STEP 6 – ATTACH THE SHORT SIDES

Measure, mark, and cut 1x8 boards to length and attach with 1 ¼-inch pocket screws and wood glue. Also pre-drill pilot holes and drive 1 ¼-inch wood screws from the short sides into the long sides.

FIG. 7**STEP 7 – ATTACH TRUNDLE DRAWER FACE**

Measure, mark, and cut the 1x10 trundle drawer face to length. Using a jigsaw, cut out the finger pulls as shown. Position drawer face and use clamps to hold it in place while you attach it to the trundle bed with 1 ¼-inch wood screws driven in from the inside of the box.

FIG. 8



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STEP 8 – INSTALL CASTERS

Screw on 2-inch fixed casters underneath the trundle bed. Place 1 at each corner and 2 in the middle, to keep the trundle from sagging.

Sand, stain and/or paint, and finish as desired.