

DIY BBQ Accessory Cart

Addicted 2 DIY



***Before beginning this project, please read through all of the plans and the step-by-step blog tutorial. Always use safety precautions whenever using power tools and follow the manufacturer's suggested guidelines. Make sure to wear proper safety protection (eye protection, hearing protection, etc.) before beginning any project. Cut all pieces per the measurements in the plans, unless noted otherwise.**

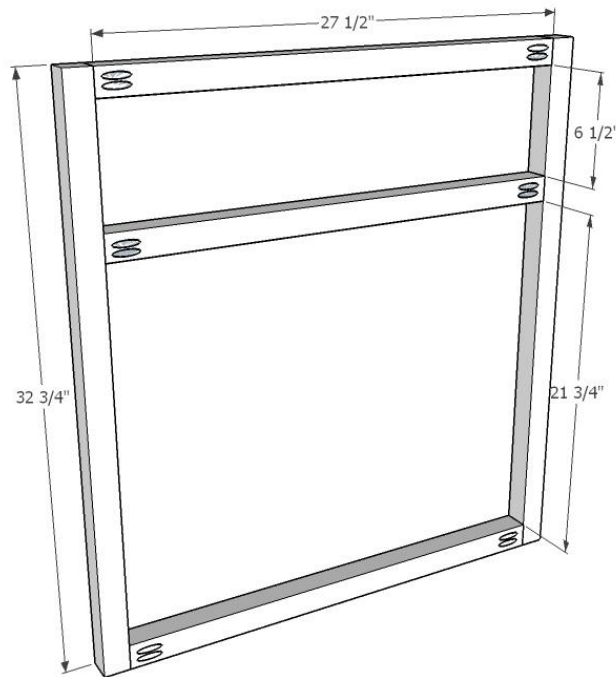
Materials and Tools:

- 7 – 1x6x8' cedar or pine boards
- 5 – 2x3x8' redwood boards ripped down to 2x2 boards (or 2x2 pine boards can be used)
- 1x2x8' board (reserved from ripped down redwood, or 1x2 pine)
- 1x3x8' board (or rip down leftover cedar boards)
- 1 ¼" pocket screws
- 2 ½" pocket screws
- 1 ¼" wood screws
- 2" wood screws
- 4 – 2" casters
- 120 and 220 grit sand paper discs
- Orbital sander
- Drill
- Kreg Jig
- Impact Driver
- Table saw
- Outdoor sealant (if desired)
- Paint brush
- Offset right-angle driver adapter (see blog post for more information)

Cut List:

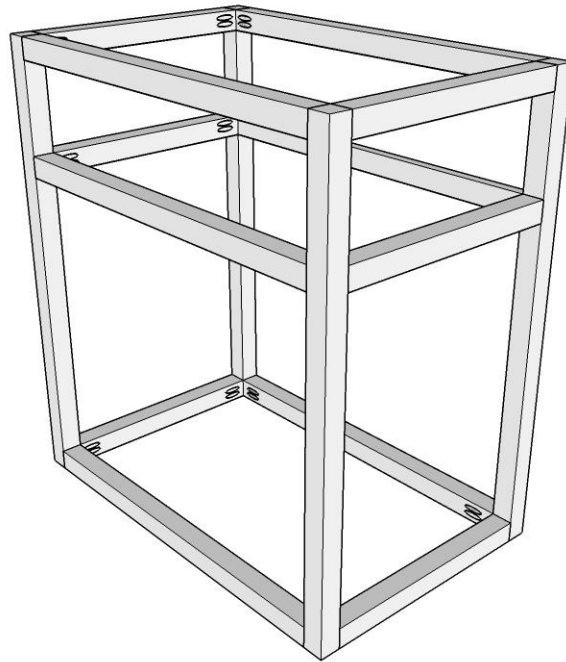
- 4 – 2x2 @ 32 ¾" long (legs)
- 6 – 2x2 @ 16 ½" long (side stretchers)
- 5 – 2x2 @ 27 ½" long* (front and back stretchers) (set 1x6 boards for back together to determine actual width to find length for 2x2s)
- 1 – 1x2 @ 27 ½" long* (see note above above)
- 4 – 2x2 approx 18" long (to be cut again for X sides)
- 6 – 1x6 @ 21 ¾" (sides)
- 5 – 1x6 @ 29 ¾" (back)
- 9 – 1x6 @ 27 ½"* (shelves and top) (cut to same length as front and back stretchers)
- 2 – 1x3 @ 32 ½"* (front and back top pieces) (measure width of cart base and cut 2" longer to allow for 1" overhang)
- 2 – 1x3 @ 16 ½" (ends for top)

STEP 1:



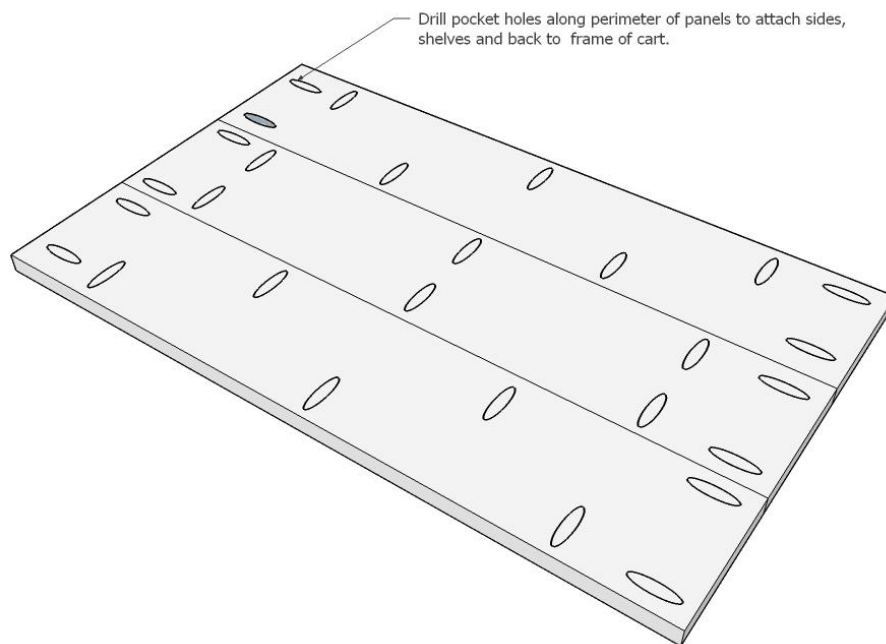
Build the front and back pieces of the frame. Drill 1 1/2" pocket holes into the stretchers and attach them to the legs using wood glue and 2 1/2" pocket screws. For the middle stretcher, place it with a 6 1/2" gap between the 1x2s. This will be the shelf opening. For the back side of the cart frame, a 1x2 will be used in place of a 2x2 for the middle stretcher. Attach it using 3/4" pocket holes and 1 1/4" pocket screws, flush with the inside edges of the legs.

STEP 2:



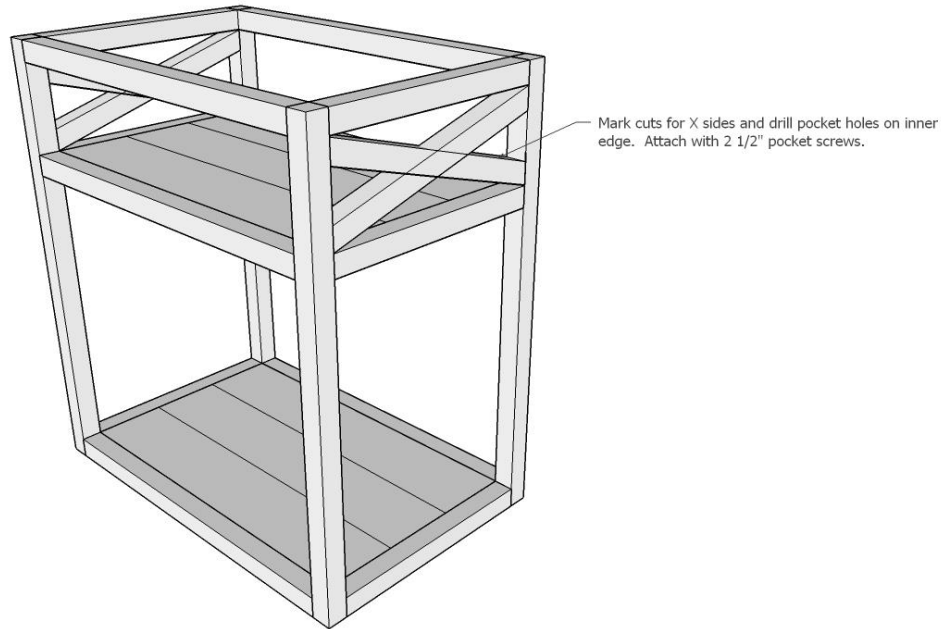
Build the remainder of the frame by drilling 1 ½" pocket holes into the side stretchers and attaching them to the legs with wood glue and 2 ½" pocket screws. Be sure to check for square.

STEP 3:



Build the panels for the shelves, sides and back of the cart. Drill ¾" pocket holes into the 1x6 boards to attach them together as well as pocket holes into all four edges of the finished panels to allow them to be attached to the frame. Attach using 1 ¼" pocket screws.

STEP 4:

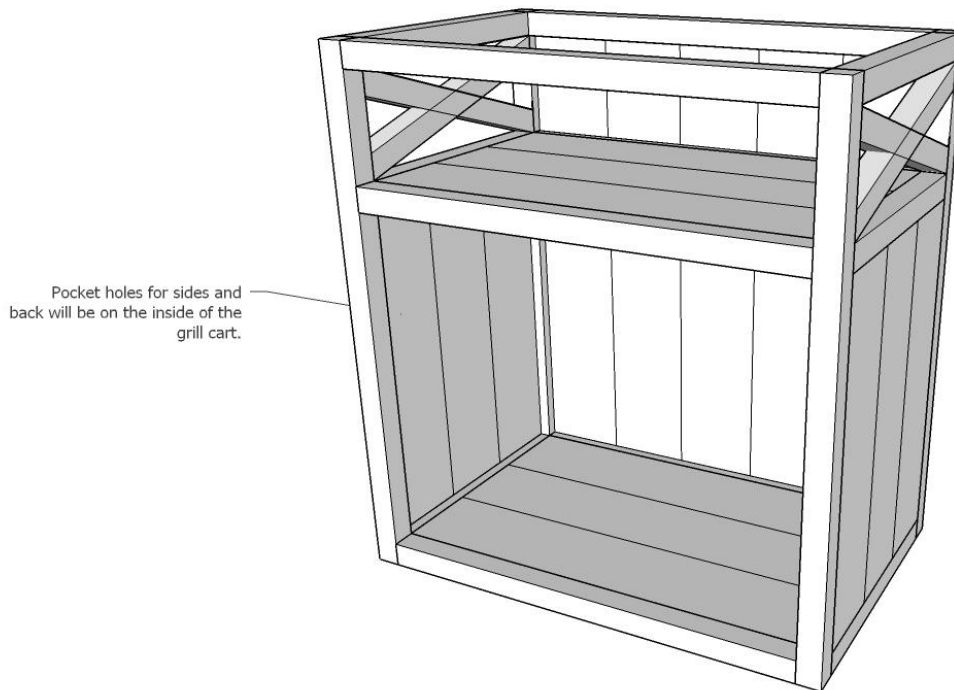


Attach the shelves flush with the tops of the 1x2s with 1 ¼" pocket screws. The pocket holes will be on the bottom sides of the shelves.

For the X sides, hold a 2x2 in place and mark with pencil where the cuts will be and the angle. Determine the angle on the miter saw and cut to size. The solid piece of the X was cut at 16 degrees on each end. The two remaining pieces were marked at the cut areas and then cut with 16 degree angles on one end and 56 ½ degree angles to meet up in the center. Mark the inside edges of the X with pencil where the pocket holes will go to prevent drilling on the wrong side of the X.

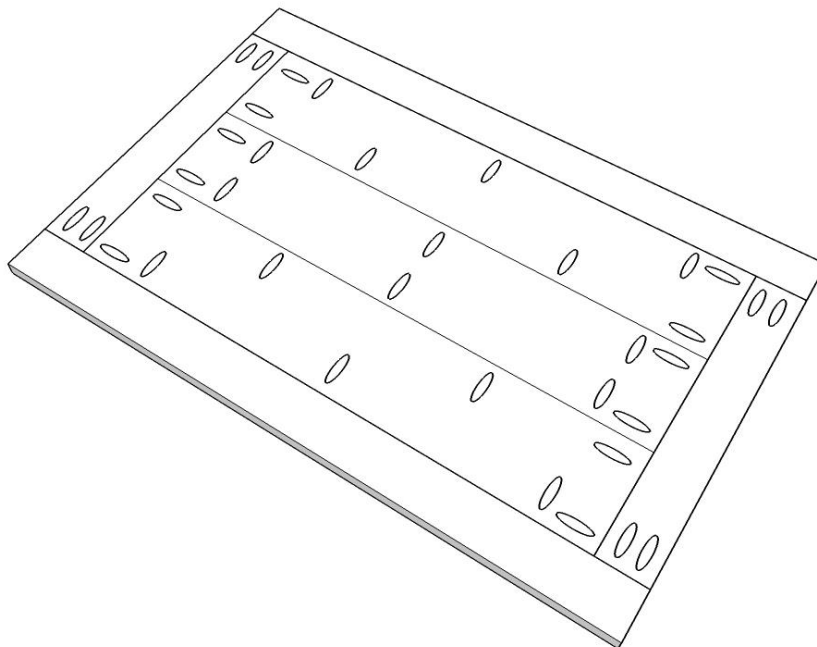
For the pocket holes on the X, set the Kreg Jig to 1 ½" and set the 16 degree angled end down flush on the bottom of the Kreg Jig (the pieces will be sitting at an angle). Set the drill bit to 1 ½" depth and drill a pocket hole into each 16 degree end. For the 56 ½ degree ends, keep the Kreg Jig set at 1 ½" thickness. Set the drill bit to ¾" thickness. Place the 2x2 piece with just the tip of the angle on the bottom of the plate and the piece sitting completely vertical (90 degree angle). Drill a ¾" pocket hole into the marked edge of the 2x2. Clamp the X pieces together and attach into place with 2 ½" pocket screws.

STEP 5:



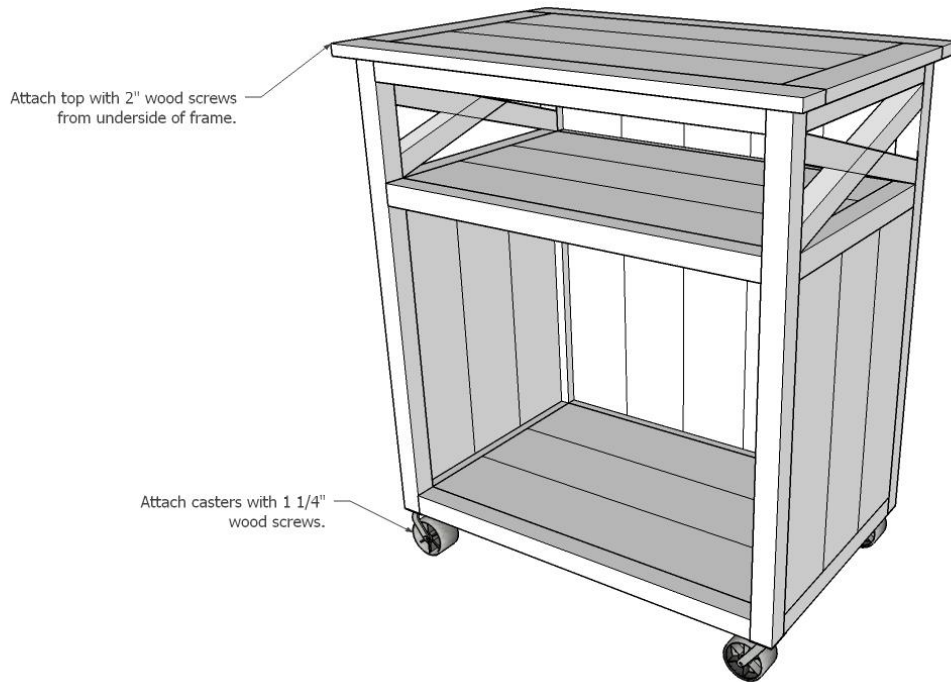
Attach the sides and back of the cart flush with the outside face of the cart frame using 1 ¼" pocket screws. Drill 1/8" pilot holes into the top of the 2x2 frame to accept screws to attach the top.

STEP 6:



Build the top of the cart by ripping down the 1x6 cedar into 2 ½" wide pieces. Build the frame of the top first, using ¾" pocket holes and 1 ¼" pocket screws. Attach the middle boards together in the same manner, then slide into the frame. Attach with 1 ¼" pocket screws.

STEP 7:



Attach the top to the cart frame using 2" wood screws going up through the bottom of the 2x2 frame and into the top (through the pilot holes). For the X sides and the back, the right-angle drill adapter will be needed to drive the screws into place. Attach the casters to each corner using 1 1/4" wood screws.

DIMENSIONS (not including casters):

