



# PROJECT PLANS

## GRILLING STATION

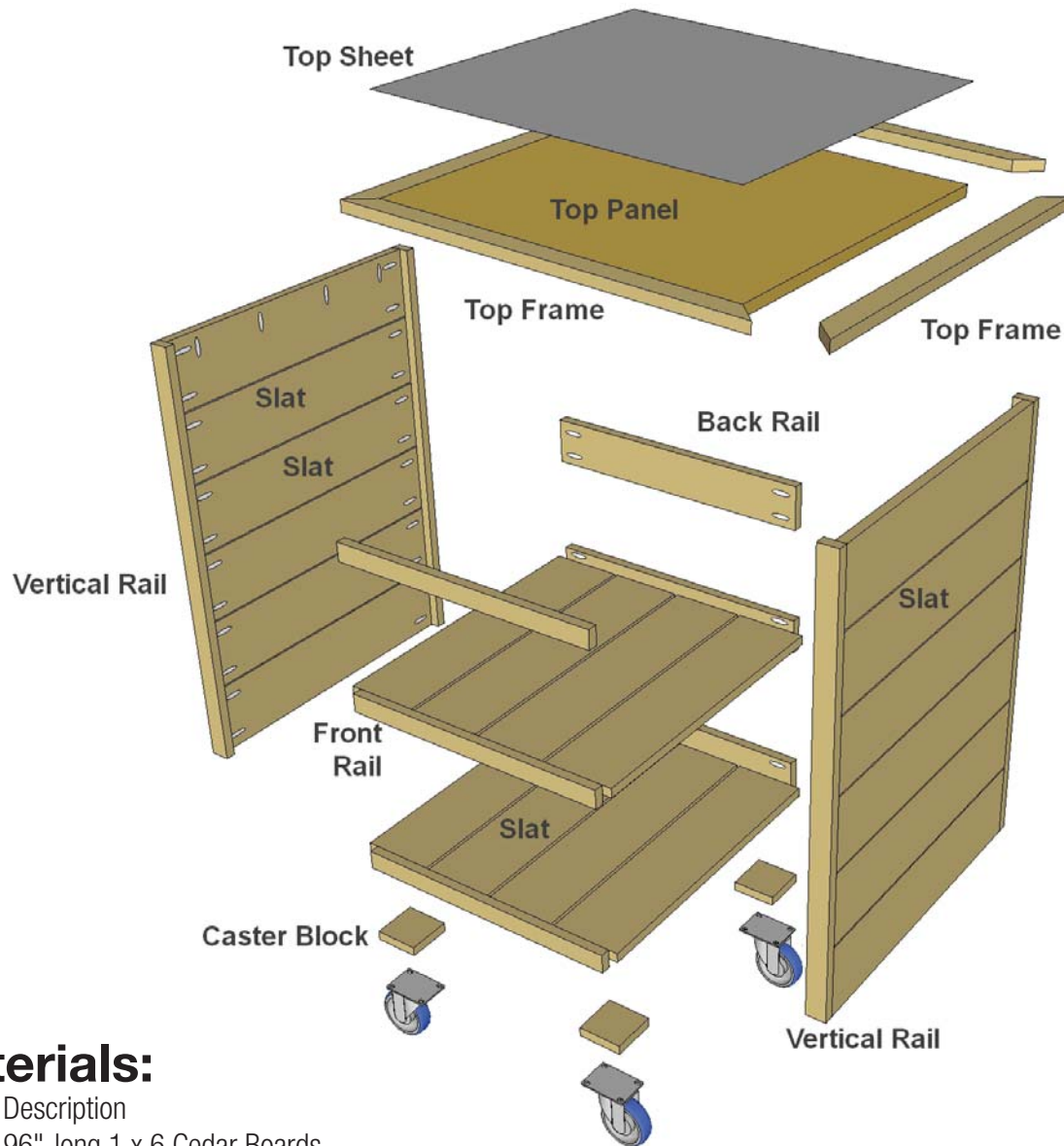
Create the perfect companion to your outdoor grill with this rolling cart. It offers space to store your supplies and ingredients, plus a metal top that looks great and is easy to clean. Best of all, the cart sits on swiveling rubber wheels that make it easy to move around, even on rough concrete or patio blocks. Because the cart is made from cedar, it can hold up to the elements that come with living outside.

You'll find building the grill cart as enjoyable as using it, too. It's all made from dimensional boards, plus a small piece of plywood and that metal sheet on top. You can get all of the materials in one trip to the home center, put the cart together in a weekend, and be ready for years of handy use while dining outdoors



## Safety:

Attention: Almost any do-it-yourself project involves risk of some sort. Your tools, materials, and skills will vary, as will the conditions at your project site. Kreg Tool Company ("Kreg") has made every effort to be complete and accurate in the instructions and other content contained in this document. However, Kreg will not assume any responsibility or liability for damages or losses sustained or incurred in the course of your project or in the use of the item you create. Always follow the manufacturer's operating instructions in the use of tools, check and follow your local building codes, and observe all commonly accepted safety precautions. We strive to be accurate, but reserve the right to correct any errors.



## Materials:

Qty	Description
(5)	96"-long 1 x 6 Cedar Boards
(1)	96"-long 1 x 4 Cedar Board
(4)	96"-long 1 x 2 Cedar Boards
(1)	3/4" Exterior Plywood, 24" x 24"
(1)	Galvanized Sheet Metal, 24" x 24"
(4)	2" Rubber Swivel Casters
(16)	1/4" x 1 1/4" Lag Screws
(150)	1-1/4" Kreg® Blue-Kote™ Pocket-Hole Screws
	Epoxy Adhesive

## Tools:

Drill/Driver  
Kreg Jig®  
Miter Saw  
Bar Clamps  
Tape Measure

Pencil  
Sandpaper and Sander  
Paint and/or Stain  
**Optional Tools:**  
Circular Saw  
Kreg Square-Cut™

# Cutting Diagram:

(5) 1 x 6 x 96



(1) 1 x 4 x 96



(1) 1 x 2 x 96



(1) 1 x 2 x 96



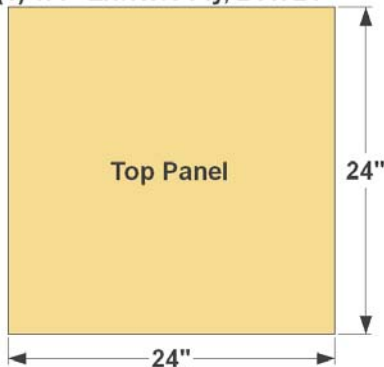
(1) 1 x 2 x 96



(1) 1 x 2 x 96



(1) 3/4" Exterior Ply, 24 x 24

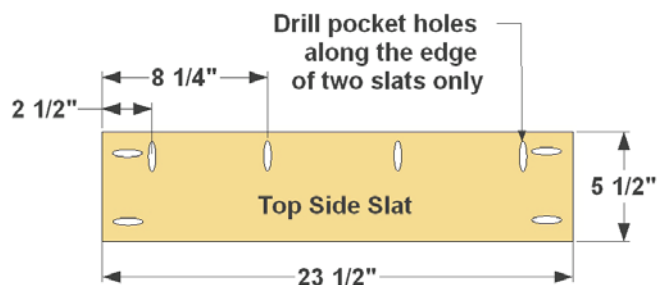


**Step 1:** Using the Cutting Diagram as a guide, cut twenty Slats to length from 1x6 boards.

## Quick Tip

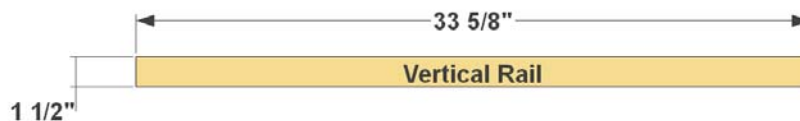
The best tool for cutting all the parts to size is a miter saw. To make cutting easier, set up a stop block so that you can cut all of your like-sized parts (such as the Slats) without having to measure each individual piece.

**Step 2:** Set your Kreg Jig® and drill bit for 3/4"-thick material. Drill pocket holes in the ends of 12 Slats, as shown. Then, drill pocket holes along the edge of two of these slats. These two will be used at the top of each side panel.

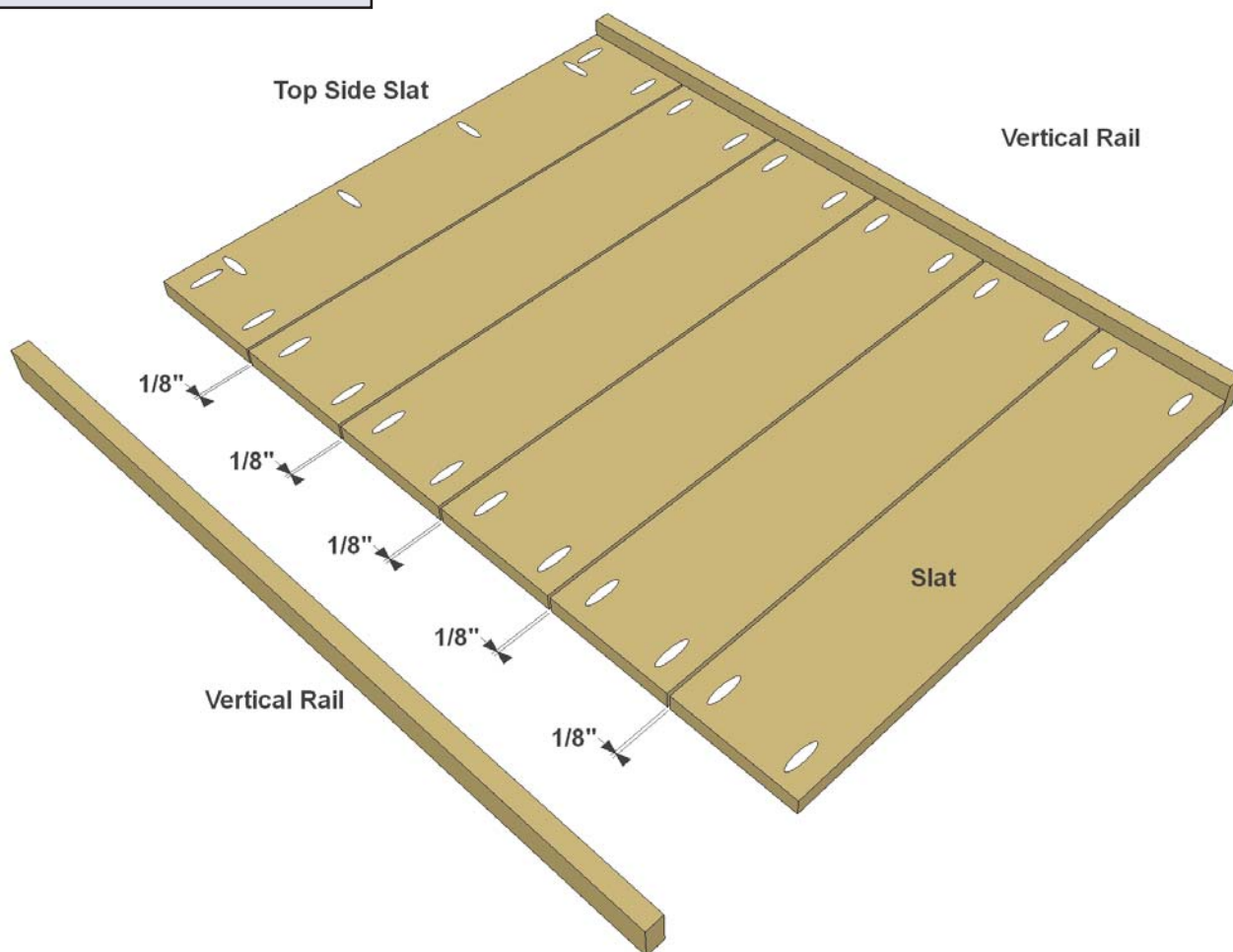




**Step 3:** Using the Cutting Diagram as a guide, cut four Vertical Rails to length from 1x2 boards.



**Step 4:** Assemble the side panels by screwing the Slats to the Vertical Rails using 1-1/4" Kreg® Blue-Kote™ Screws. Install the top and bottom slats first. Then add the remaining slats, spacing them evenly.



**Step 5:** Using the Cutting Diagram as a guide, cut three Front Rails to length from a 1x2 board, and then cut three Back Rails from a 1x4 board.



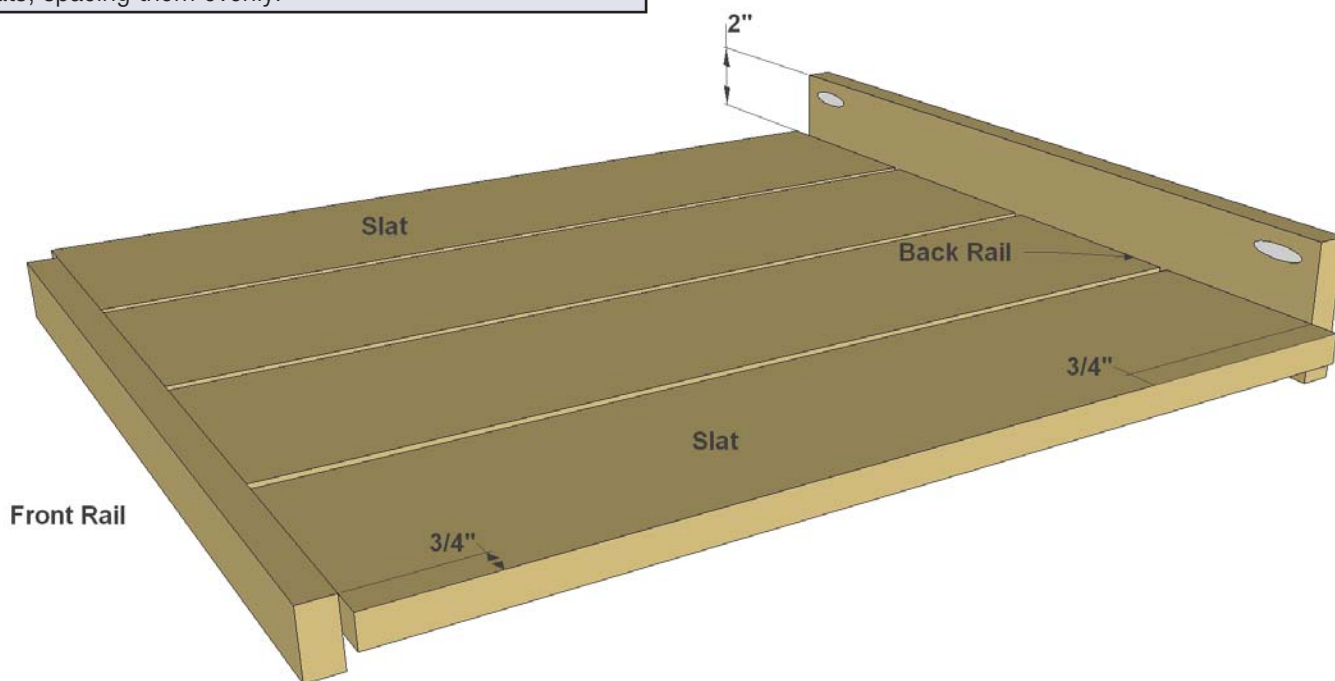
**Step 6:** Drill pocket holes in the ends of the Front Rails and Back Rails, as shown. Then set one Back Rail aside.



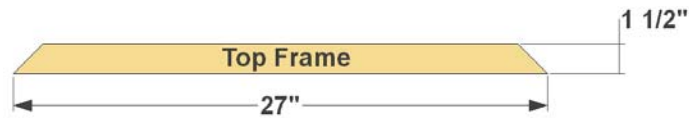
**Step 7:** Drill pocket holes in the ends of your remaining eight Slats, as shown.



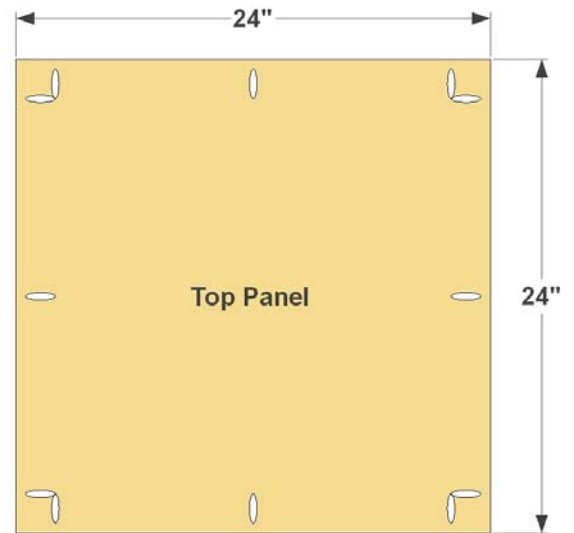
**Step 8:** Assemble two shelves by joining four Slats to a Front Rail and a Back Rail using 1-1/4" Kreg® Blue-Kote™ Screws. Install the outer Slats first, making sure you have the Rails offset properly, as shown. Then add the other two Slats, spacing them evenly.



**Step 9:** Using the Cutting Diagram as a guide, cut four Top Frames to length from a 1x2 board. Miter the ends at 45°.



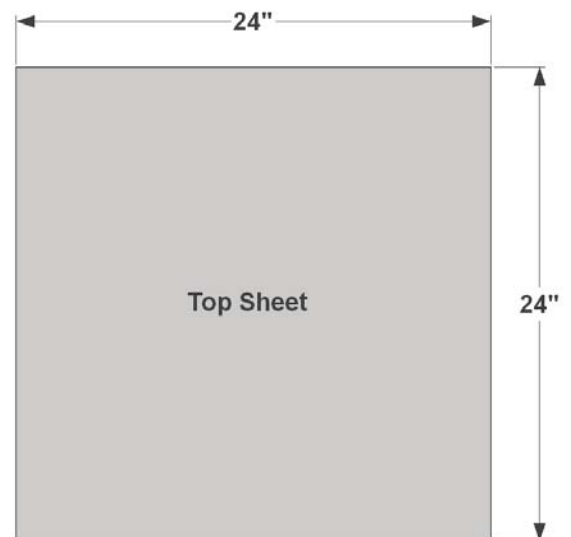
**Step 10:** Using the Cutting Diagram as a guide, cut a Top Panel to size from 3/4" exterior plywood. Then drill pocket holes in the Top Panel, as shown.



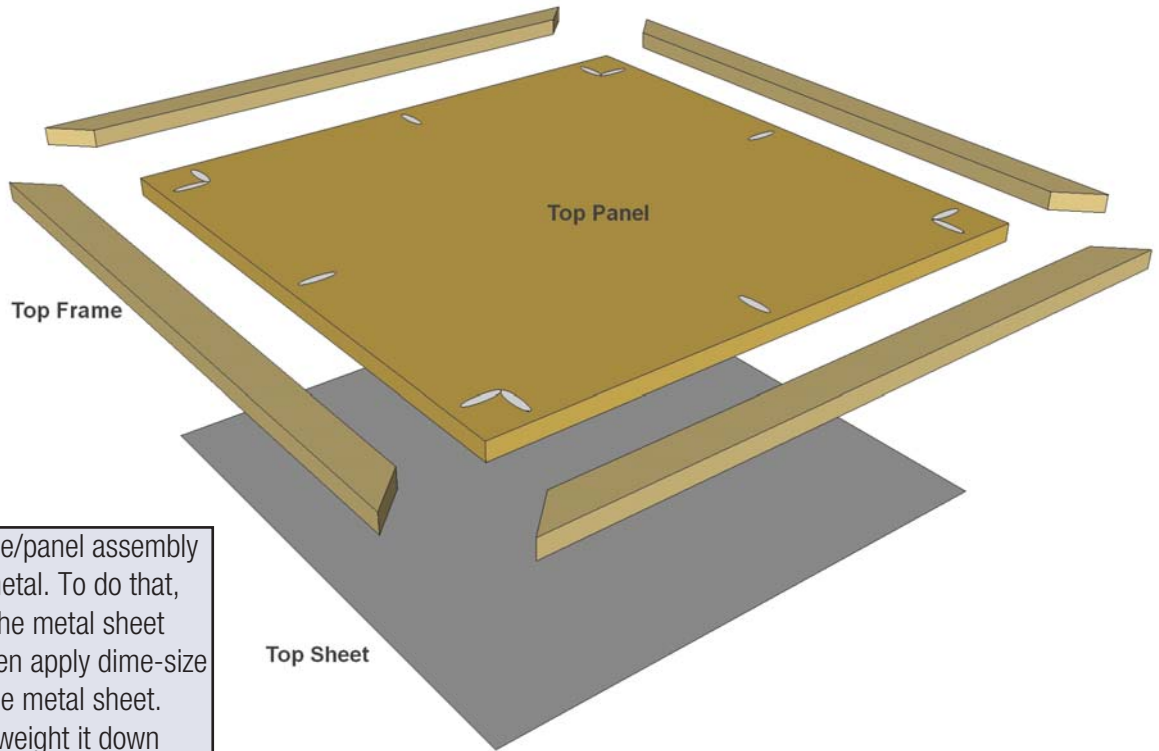
**Step 11:** Cut a Top Sheet, or have it cut for you, from a sheet of galvanized sheet metal.

**Quick Tip**

Be sure to clean up your steel to remove any oil or residue that could prevent adhesive from sticking. Denatured alcohol and a rag work great for this.



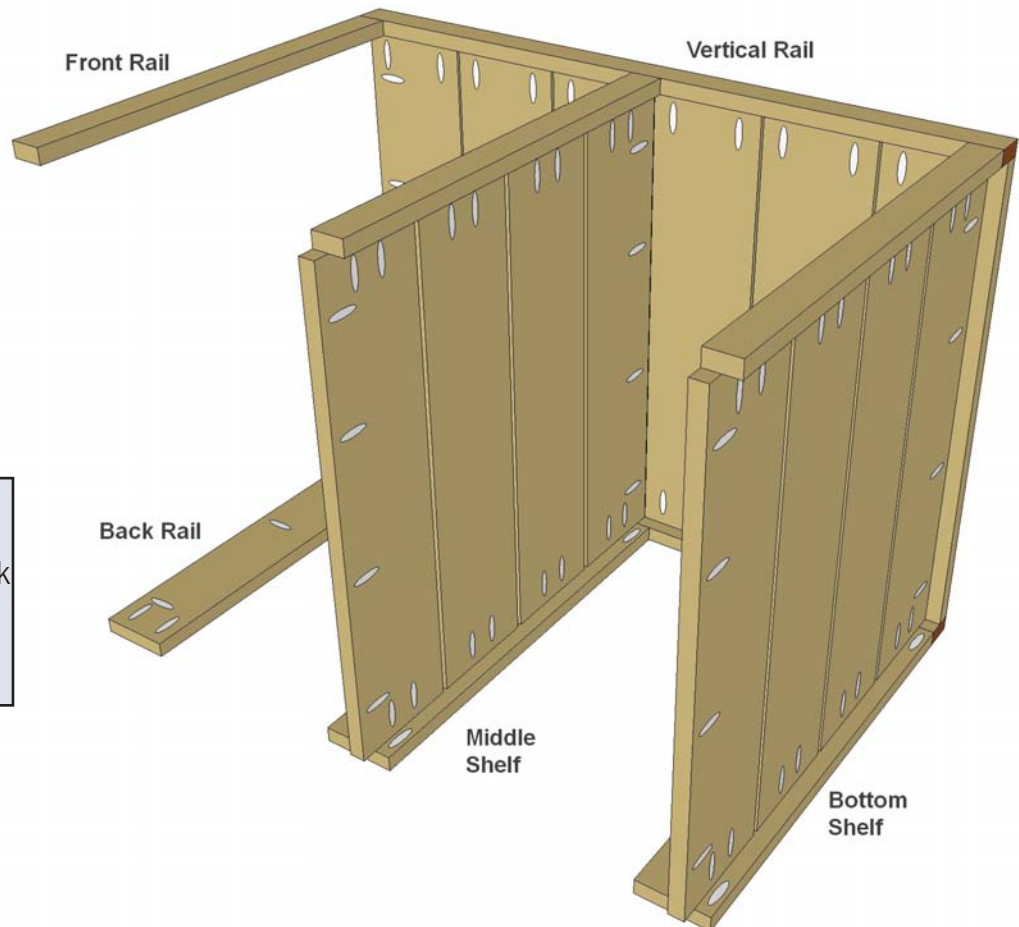
**Step 12:** Create a top assembly by first screwing the Top Frames to the Top Panel using 1-1/4" Kreg® Blue-Kote™ Screws.



**Step 13:** Flip the top frame/panel assembly upright, and then add the metal. To do that, first sand the underside of the metal sheet with medium-grit paper. Then apply dime-size dots of epoxy adhesive to the metal sheet. Center the sheet, and then weight it down until the adhesive sets.

**Step 14:** Start final assembly with unit lying on its side. Attach the bottom shelf to one side assembly using 1-1/4" Kreg® Blue-Kote™ Screws so it sits flush with the base of the Vertical Rails. Then add the middle shelf, aligning it with the lower edge of the third Side Slat.

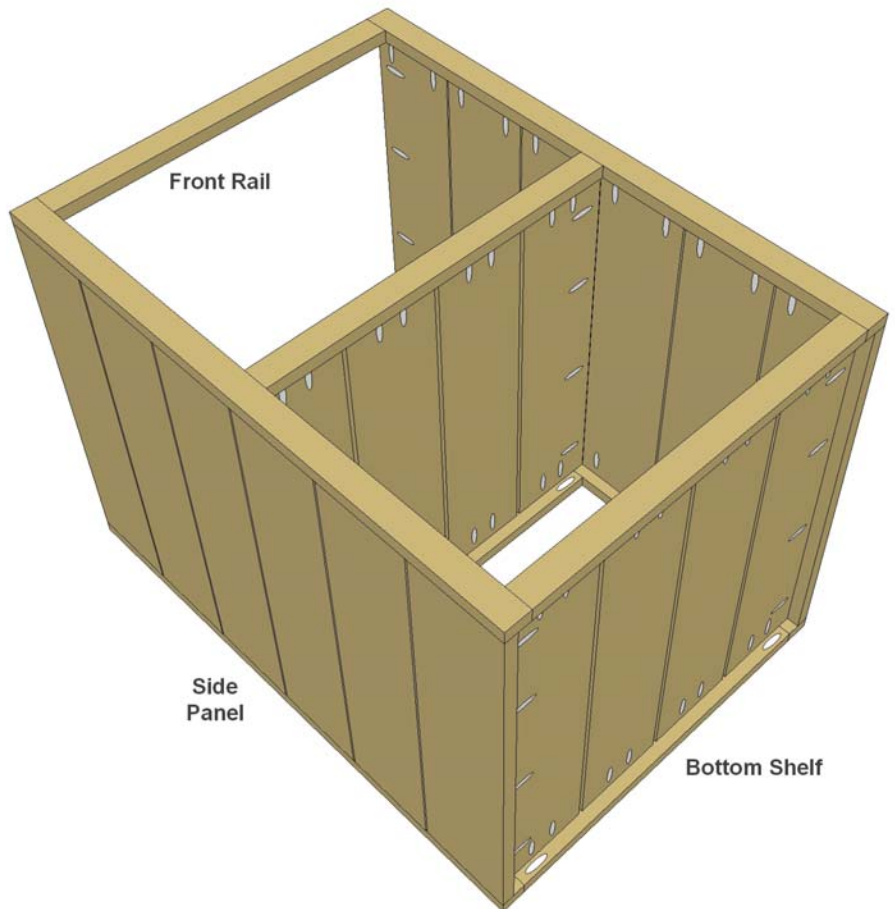
**Step 15:** Before attaching the upper rails, drill three pocket holes along one edge of the Back Rail. Then attach the rails to the side assembly using 1-1/4" Kreg® Blue-Kote™ Screws.



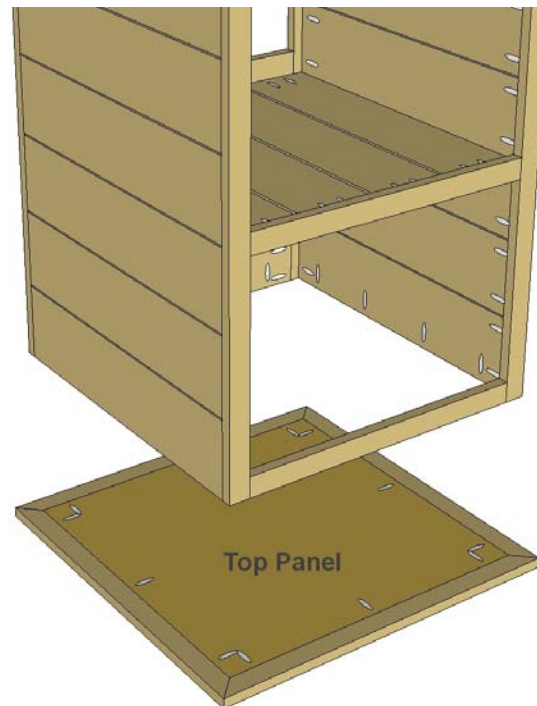
**Step 16:** Attach the other side assembly to the rails and shelves.

**Project Note**

As you bring the cart assembly together, check to make sure you have the second side assembly oriented correctly. Also make sure that everything is square, and that the shelves will sit level.



**Step 17:** Lay the top assembly face down, then position the cart assembly on it making sure the top overhangs equally on all sides. Attach the cart to the top using 1-1/4" Kreg® Blue-Kote™ Screws.

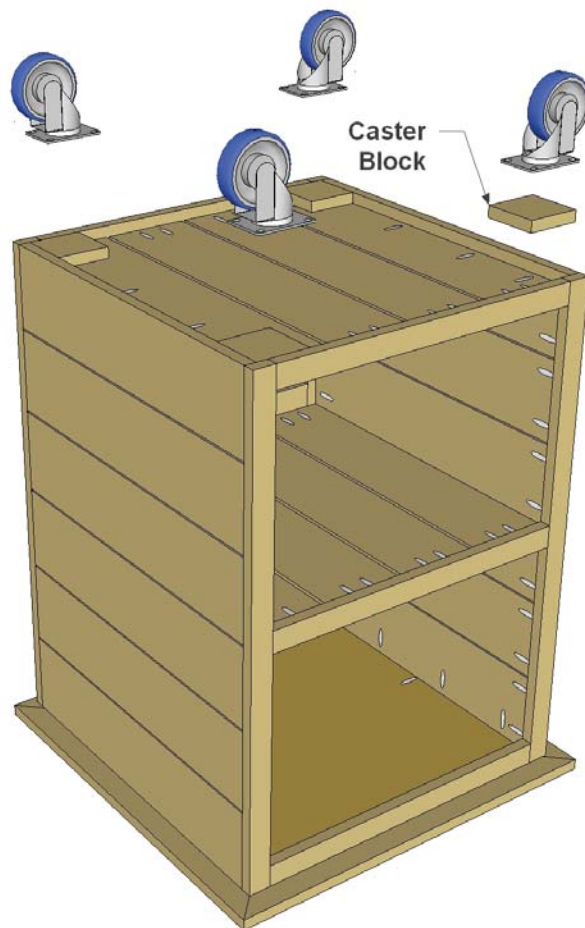




**Step 18:** Using the Cutting Diagram as a guide, cut four Caster Blocks to length from a 1x4 board.



**Step 19:** Attach the Caster Blocks using 1-1/4" Kreg® Blue-Kote™ Screws. You can simply drive the screws through the blocks about 1/2" from the corners. You won't need to drill pocket holes.



**Step 20:** Center the casters on the blocks, drill 3/16" holes for the mounting hardware, and mount the casters using 1/4" x 1-1/4" galvanized lag screws.

**Step 21:** Complete your grilling station by adding a couple coats of exterior stain or finish.

#### Quick Tip

Cedar is a soft and porous wood that tends to absorb a lot of finish. Don't be afraid to apply heavy coats — a chip brush works great — and keep applying until the wood is saturated. Let the finish sit for a few minutes, and then wipe off any excess.