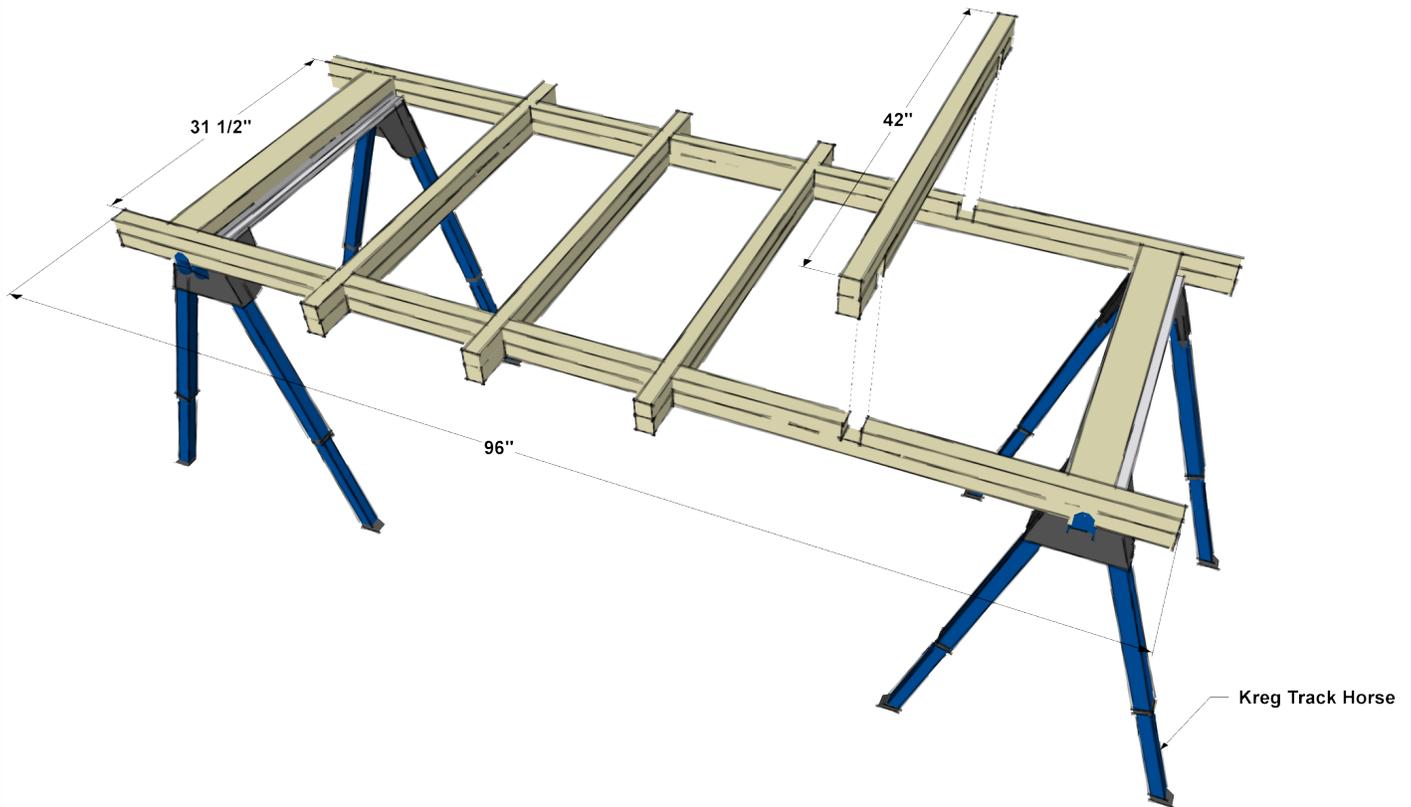




Project Plans

# Knock-Down Cutting Grid

Take the hassle out of cutting sheet goods! This grid holds sheets securely while you cut, and then knocks down for easy storage.



Once of the biggest hassles when cutting plywood and other large panels is figuring out how to hold the sheets while you cut. This handy support grid eliminates that hassle. Made from 2x2 boards, it spans between two Kreg® Track Horses, Mobile Project Centers, or one of each. Or you can modify the cutting support grid to work with about any sawhorse. Thanks to the knock-down design, the cutting grid offers a big workspace, but stores compactly away when you're not using it.

The cutting grid holds plywood sheets securely at a convenient height while you work, so that they won't move around or fall as you cut. This makes cutting safer and easier—especially when paired with a Kreg circular-saw cutting guide, such as the Accu-Cut™ or Rip-Cut™.



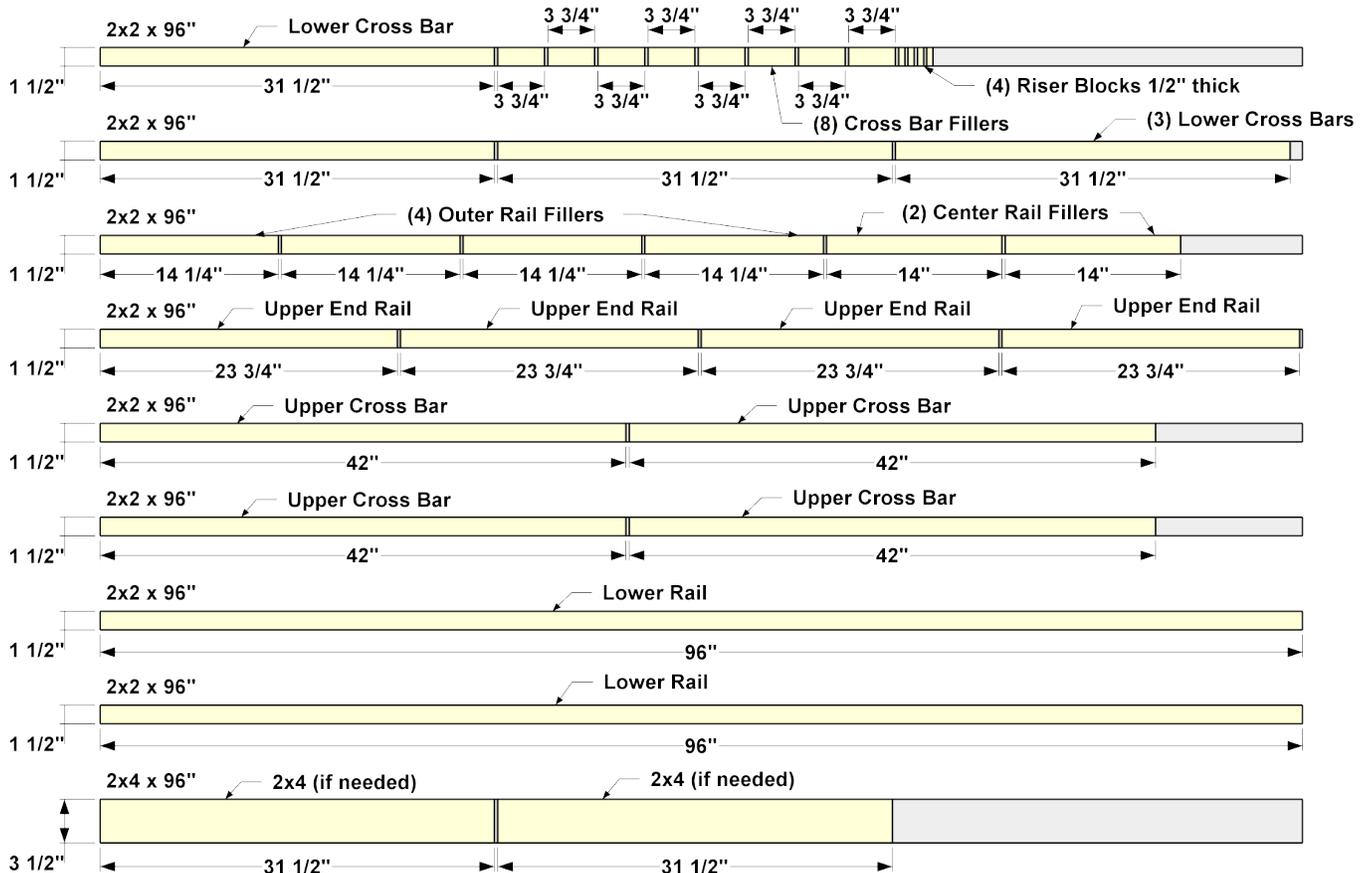
Project Plan: Knock-Down Cutting Grid

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## What You'll Need:

Materials	Tools	Supplies
<ul style="list-style-type: none"> <li>• (8) 2x2 x 96"</li> <li>• (1) 2x4 x 96"</li> <li>• (2) Trac Horse or Sawhorse</li> </ul>	<ul style="list-style-type: none"> <li>• Miter Saw or Circular Saw</li> <li>• Tape Measure</li> <li>• Clamps</li> </ul>	<ul style="list-style-type: none"> <li>• Wood Glue</li> <li>• Sandpaper</li> </ul>

## Cutting Diagram



## Parts List:

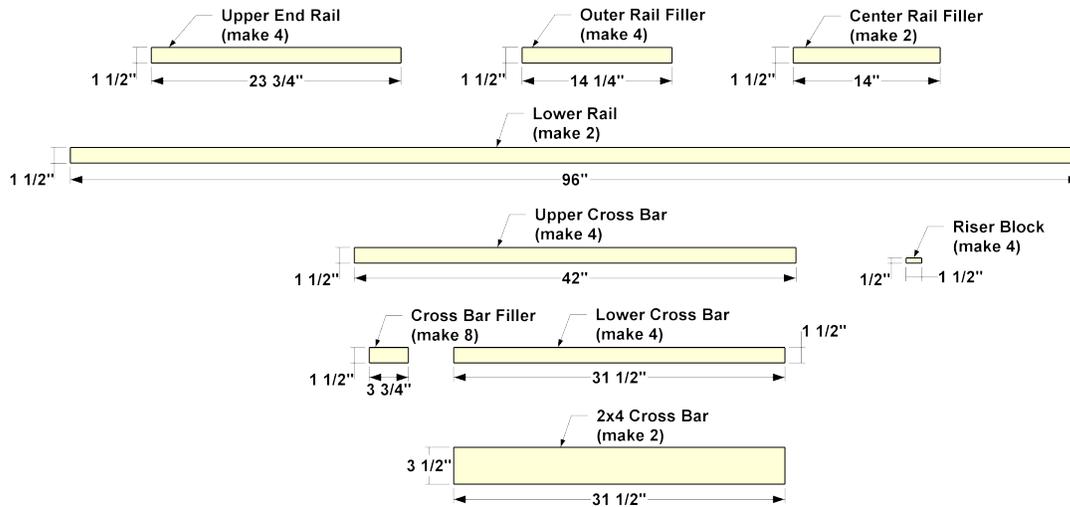
Quantity	Part Name	Dimensions
(2)	Lower Rail	1 1/2" x 1 1/2" x 96"
(4)	Upper End Rail	1 1/2" x 1 1/2" x 23 3/4"
(4)	Outer Rail Filler	1 1/2" x 1 1/2" x 14 1/4"
(2)	Center Rail Filler	1 1/2" x 1 1/2" x 14"
(4)	Upper Cross Bar	1 1/2" x 1 1/2" x 42"
(4)	Lower Cross Bar	1 1/2" x 1 1/2" x 31 1/2"
(8)	Cross Bar Filler	1 1/2" x 1 1/2" x 3 3/4"
(4)	Riser Block	1 1/2" x 1 1/2" x 1/2"
(2)	2x4 Cross Bar	1 1/2" x 3 1/2" x 31 1/2"



## Step 1: Make the Parts

Start by cutting the parts to length, as shown in the cutting diagram and the illustration. We made ours from “premium” pine, but common pine will work, too. Just make sure to choose boards that are straight.

If you’re building your cutting grid to use with the Track Horse or Mobile Project Center, the brackets the rails fit into are designed for 2x4s, which measure  $3\frac{1}{2}$ ". The rails in this plan are 3" tall, so you’ll want to add the small Riser Blocks to raise the rails to the proper height. If you’re using another type of sawhorse, you might not need these.

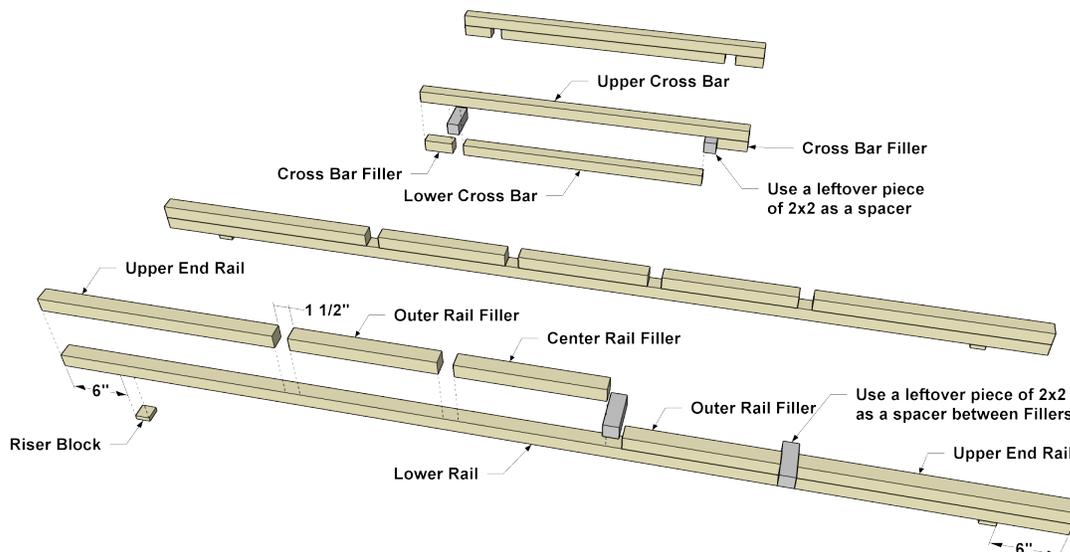


## Step 2: Assemble the Rails and Cross Bars

Now you can assemble the parts to create the completed rails and cross bars. First, lay the parts out on your work surface, or on the floor, and make sure you have them all oriented correctly. Then you can glue all the rail assemblies together, as well as the cross bars.

We only used glue—no screws or nails. That’s because you will cut slightly into the rails and crossbars every time you cut plywood using your circular saw. That’s fine, though. As long as you have your saw’s cutting depth set correctly, you won’t cut more than  $\frac{1}{8}$ " to  $\frac{1}{4}$ " into the cutting grid. Still, it’s better to use glue only, so you never have to worry about your saw blade hitting a screw or nail.

To make sure the notches are all properly sized, use scraps of 2x2 as spacers to ensure proper spacing. Just make sure you don’t accidentally glue the spacers in. You can clamp the pieces or wrap them with masking tape while the glue dries.



## Step 3: Test Fit and Install

After the glue dries on the rails and cross bars, you can make sure the cross bars fit into the notches. If they bind, sand the notches wide them a bit. The easiest way to do this is to wrap some 80-grit or 100-grit sandpaper around one of the 2x2 scraps, place it in the notch, and sand. Then you can scrape off any excess glue and sand your new cutting support grid smooth, if desired.

After that, you're ready to put your cutting grid to work. With it, you'll be able to cut plywood and other large panels down to size greater ease and confidence. That means, you can concentrate on making accurate, quality cuts instead of having to worry about how to safely hold your material.

