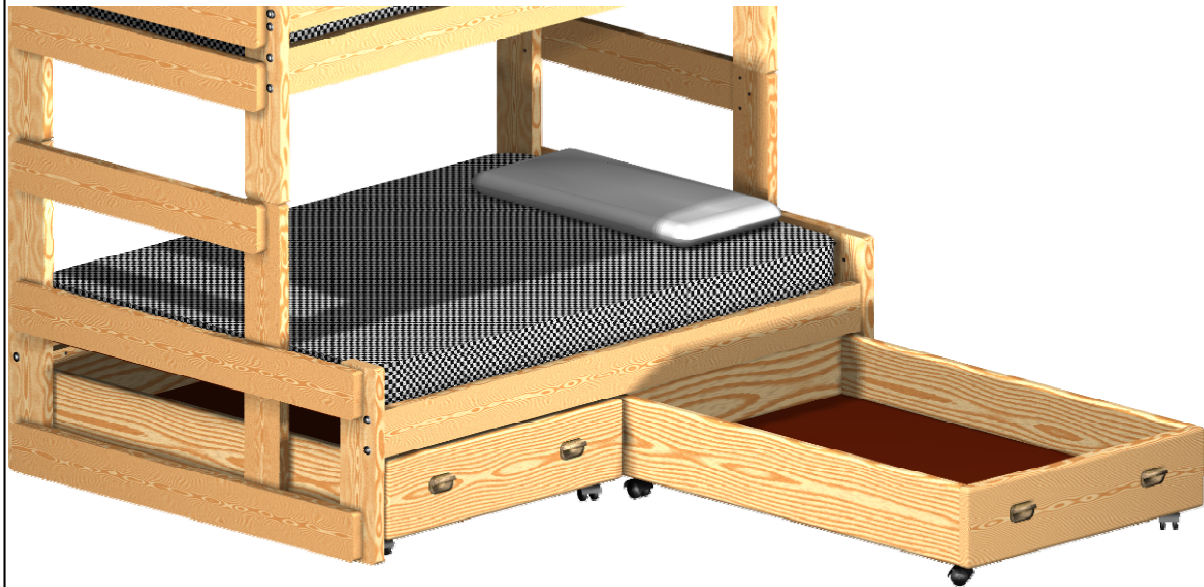




BUNK BEDS UNLIMITED

Full-Size Storage Drawers Plan





Introduction to Full-Size Storage Drawers Plan

Thank you for purchasing the Bunk Beds Unlimited Storage Drawers Plan. These drawers are very basic structures and, like your bed, can be easily built with a few power tools and a few hand tools. We have built and sold many similar drawer sets through the years and have refined this plan so that it is simple to build, and of very good quality.

Much thought and effort has been put into this plan in order to make it as easy as possible to follow. Please take some time and get a feel for the plan and become familiar with all of the parts before beginning. The majority of the work you put into the bed will be in finishing and assembly. The drawers are especially useful in allowing quick and easy access to a large amount of items as well as some pretty large items. We sincerely hope that you have fun while you follow these simple directions. If you run into any problems you can e-mail us at: info@BunkBedsUnlimited.com. Again, thank you for your purchase.

This Storage Drawers Plan is published by: Bunk Beds Unlimited, 3807 Rolf St. Tallahassee FL 32303

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Full-Size Storage Drawers Plan

These storage drawers will greatly improve the storage area under your bed. The design of the drawers is not too complex. They are basic box structures with the addition of casters to allow them to be moved in and out easily. You will need 2x10" material in the quantities shown on [Page 3](#). The bottoms are made from plywood or some other sheet material. We show you how to get both bottoms from one 4 x 8 sheet of plywood. If you would like to avoid the seam in one drawer, you will have to use two sheets of plywood. As with the bunk bed, the final appearance depends on how much work you are willing to put into the details of sanding and finishing. The addition of handles will give the drawers a much more finished look.

Begin by cutting the 2x10" and 2x2" parts to length as shown in the table on [page 4](#). **In order to obtain the best results, the drawer bottom panels should be cut to fit after the sides and fronts are assembled.** Remember to put the nicest looking face pieces on the front.

[Page 5](#) shows where to drill for your lag bolts.

If you purchased 5/16" lag bolt (screws) and washers from a hardware store You will need to drill 5/16" holes completely through the front and back panels. Likewise, drill 1/4" pilot holes in the ends of the sides 1 1/4" deep.

If you purchase a hardware kit from Bunk Beds Unlimited, it will include decorative furniture lag bolts that need 9/32" holes through the front and back panels. Likewise, drill 3/16" pilot holes in the ends of the sides 1 1/4" deep.

Next, do all sanding and finishing. If you built one of our beds, follow the same finishing guidelines.

Begin assembly by attaching the cleats to the drawer sides. Use 4 -2 1/2" wood screws in each cleat. Now attach the front and back panels to the sides using lag bolts. The drawers are ready for bottom panels. Each drawer gets two panels (See [Page 6](#).) These should fit pretty snugly and are best attached to the side cleat using 4 -1 1/2" wood screws per panel. You can now drill holes in the cleats for your casters. Drill the appropriate size holes 2 inches from the ends of the cleats and insert the caster stems into them. If you purchased the hardware kit for your bed and drawers from Bunk Beds Unlimited, you will need to drill 7/16" holes for the caster stems to fit in. See [page 6](#). If you bought a hardware kit from Bunk Beds Unlimited, the handles provided in your hardware kit should be attached by drilling 3/16" holes at the locations shown on [page 5](#).

Attaching a 2 x 2 to the bottom ladder rung using 3-2 1/2" wood screws will keep the drawers from getting stuck.

Page 1

Shopping List for Full-Size Storage Drawers

Hardware Requirements for Drawers		
Quantity	Size	Name
16	5/16" x 4"	Lag bolts and Washers
16	2 1/2" #8	Phillips Wood Screws
16	1 1/2" #8	Phillips Wood Screws
8	2"	Furniture Casters

* If you did not purchase the hardware package you may want to consider purchasing 4 handles to enhance the appearance.

These lists describe the materials you will need to build the storage drawers.

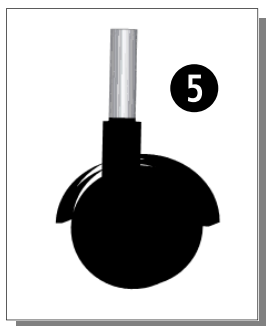
Lumber Requirements for Drawers		
Quantity	Size	Name
4	2 x 10 x 8'	Sides Front and Back Panels
2	2 x 2 x 10'	Cleats for Bottoms
1	3/4 x 4x 8ft	Plywood for bottom panels

Full-Size Storage Drawers Plan

Storage Drawer Anatomy



End is cut away to reveal support structure.



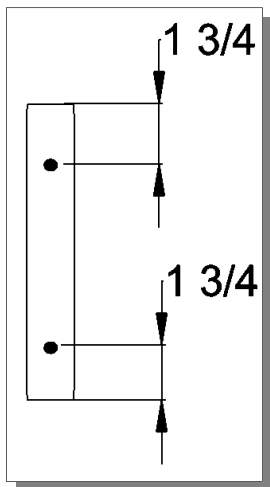
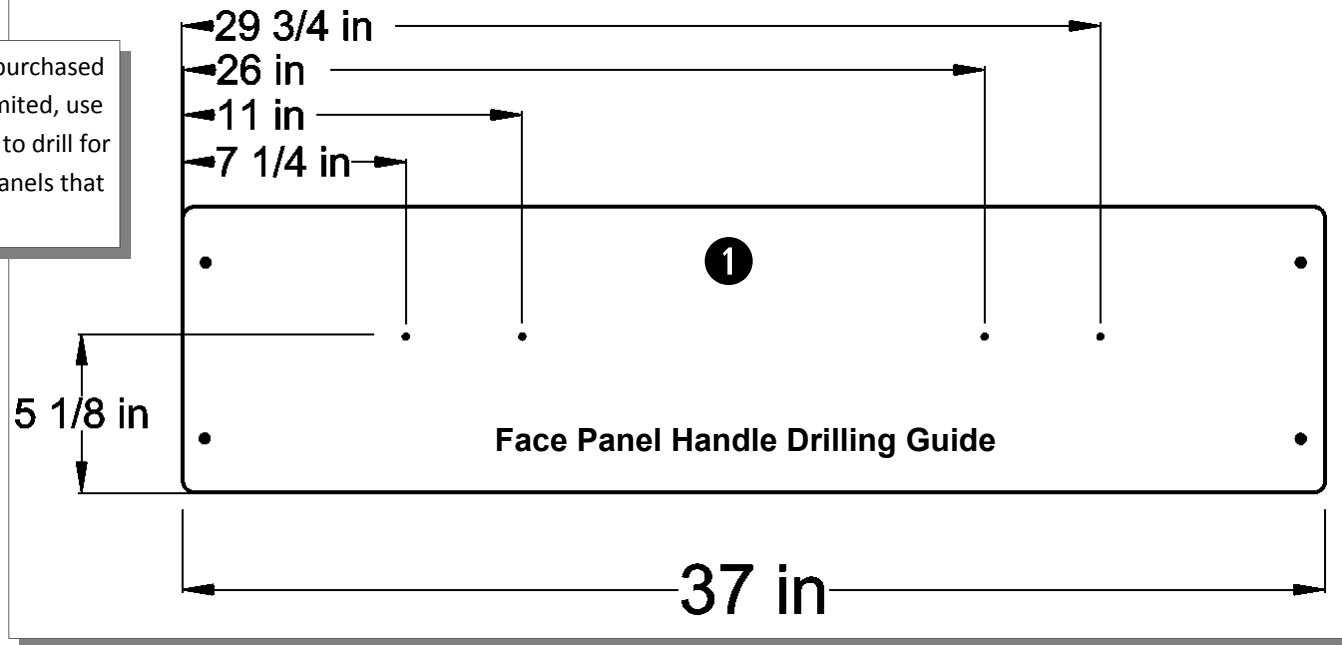
Key to Parts Continued

Part Number	Qty	Dimensions	Description
1	4	2 x 10 x 37"	Front and Rear Panels
2	4	2 x 10 x 54"	Left and Right Side Panels
3	4	2 x 2 x 53 1/2"	Bottom Support Cleat
4	1	3/4 x 54 x 34" * <i><u>APPROXIMATE!</u></i> <i><u>MUST be Measured Before Cutting!</u></i>	Drawer Bottom Panels
5	8	2"	Stemmed Furniture Casters
6	8	3 3/4"	Wooden Handles

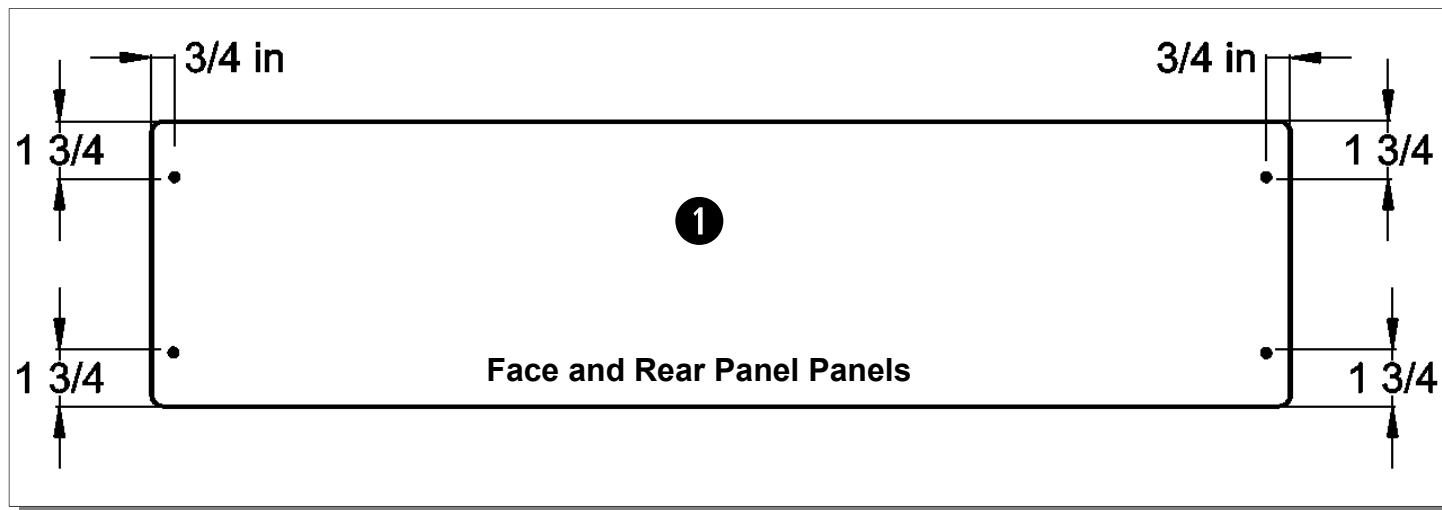
Full-Size Storage Drawers Plan

Drilling Instructions

If you are using a kit purchased from Bunk Beds Unlimited, use these measurements to drill for handles on the two panels that face the front.

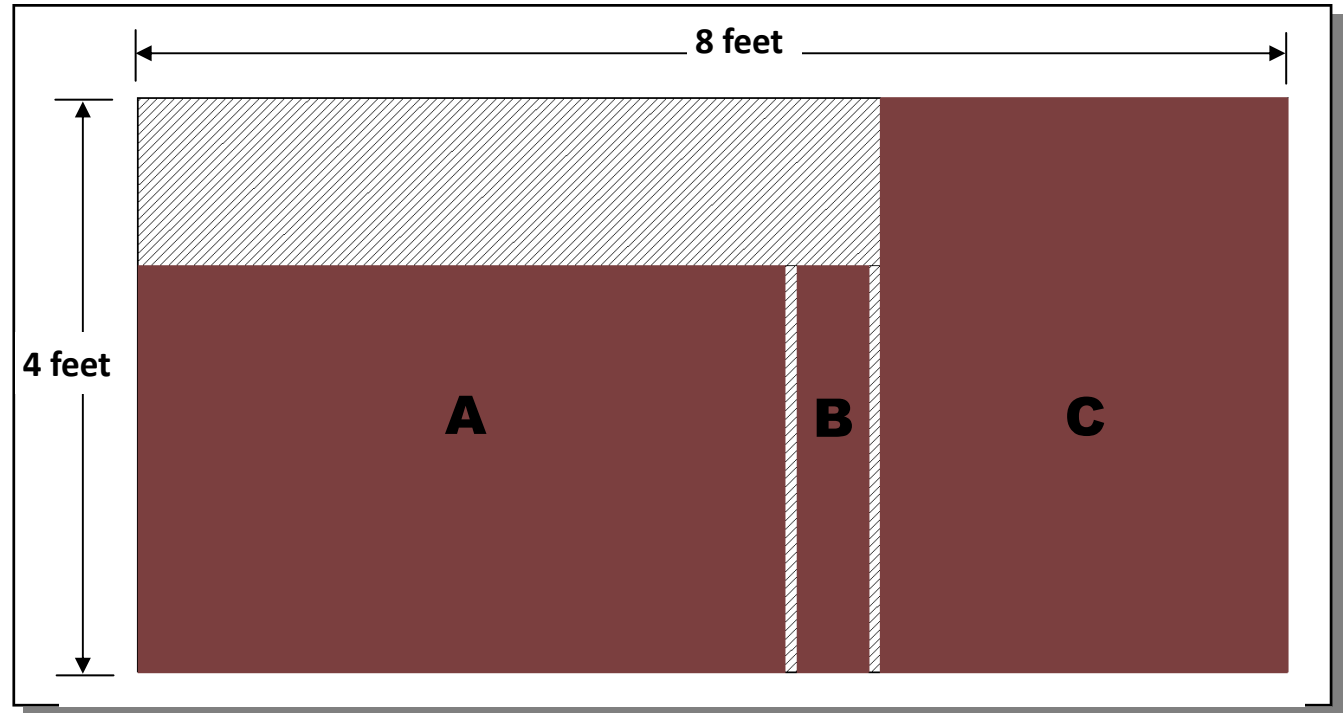


Side Panel End
Drilling for Lags

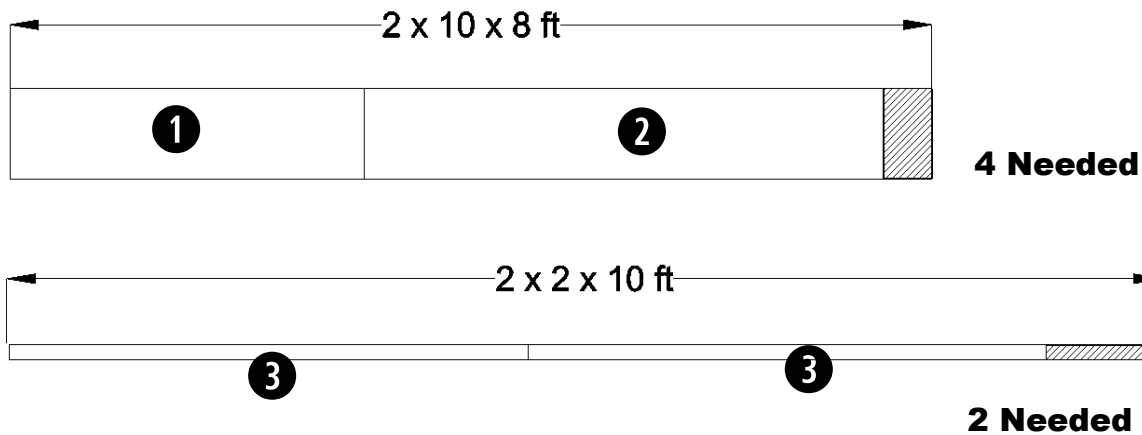


Cutting Diagram

One 4 x 8' sheet of	
A	34x 54 x 3/4"
B	34 x 6 x 3/4"
C	34 x 48 x 3/4"



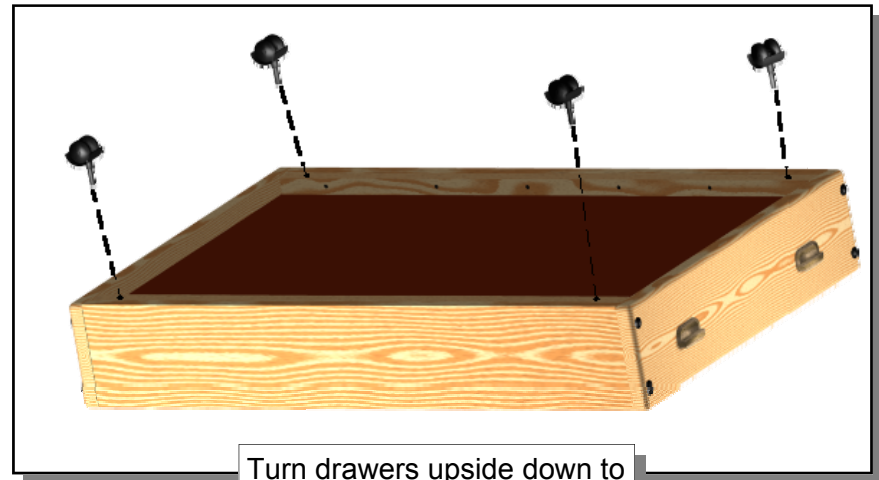
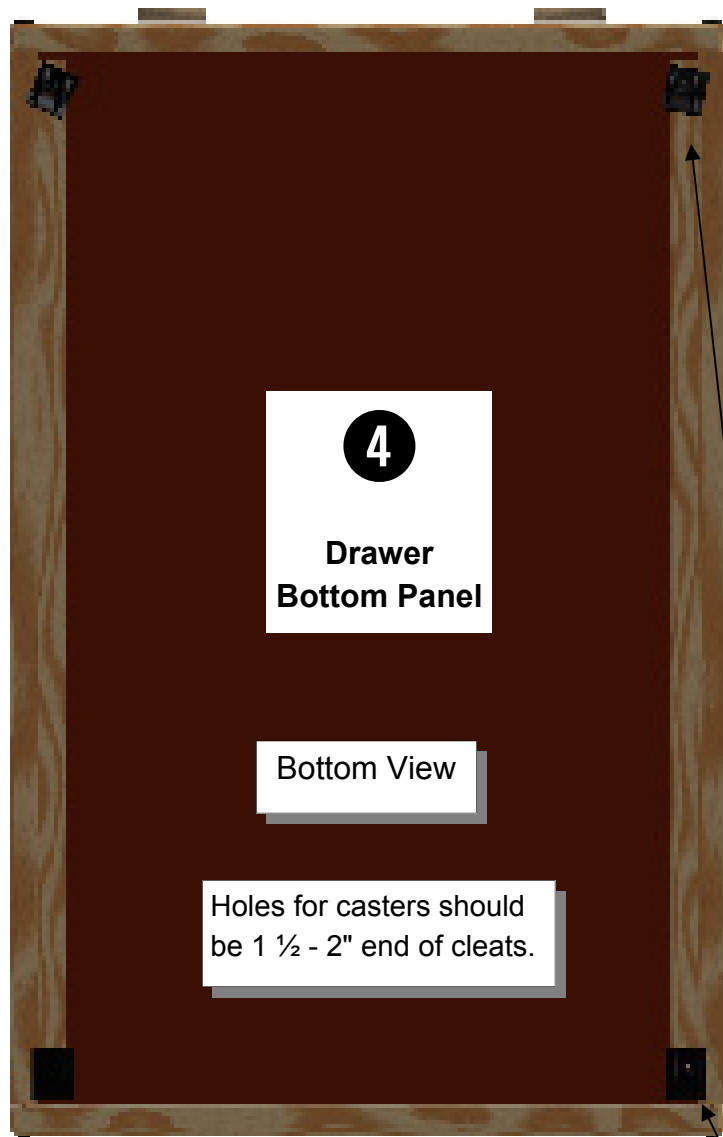
Lumber Required



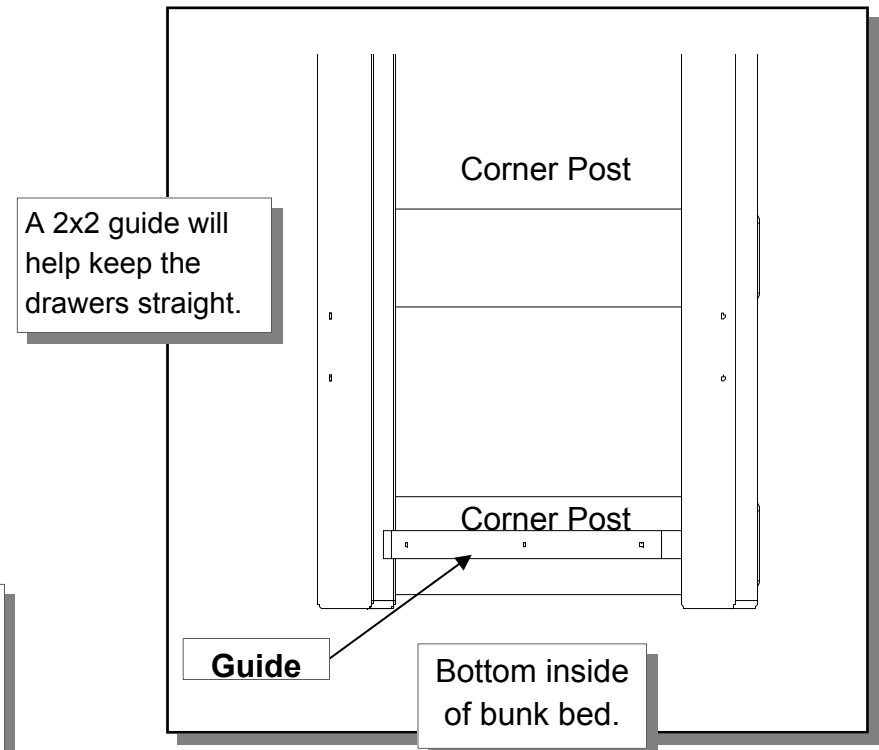
The diagram above shows how to get both drawer bottoms from one 4 x 8 foot sheet of plywood. One drawer will have a seam in the bottom panel but it will save you having to buy a second sheet of plywood. If you measure and cut the drawer bottoms last, you will get a nicer fit.

**Hint; put the seam between B and C near the back of one drawer.*

Full-Size Storage Drawers Plan



Turn drawers upside down to install casters into cleats.

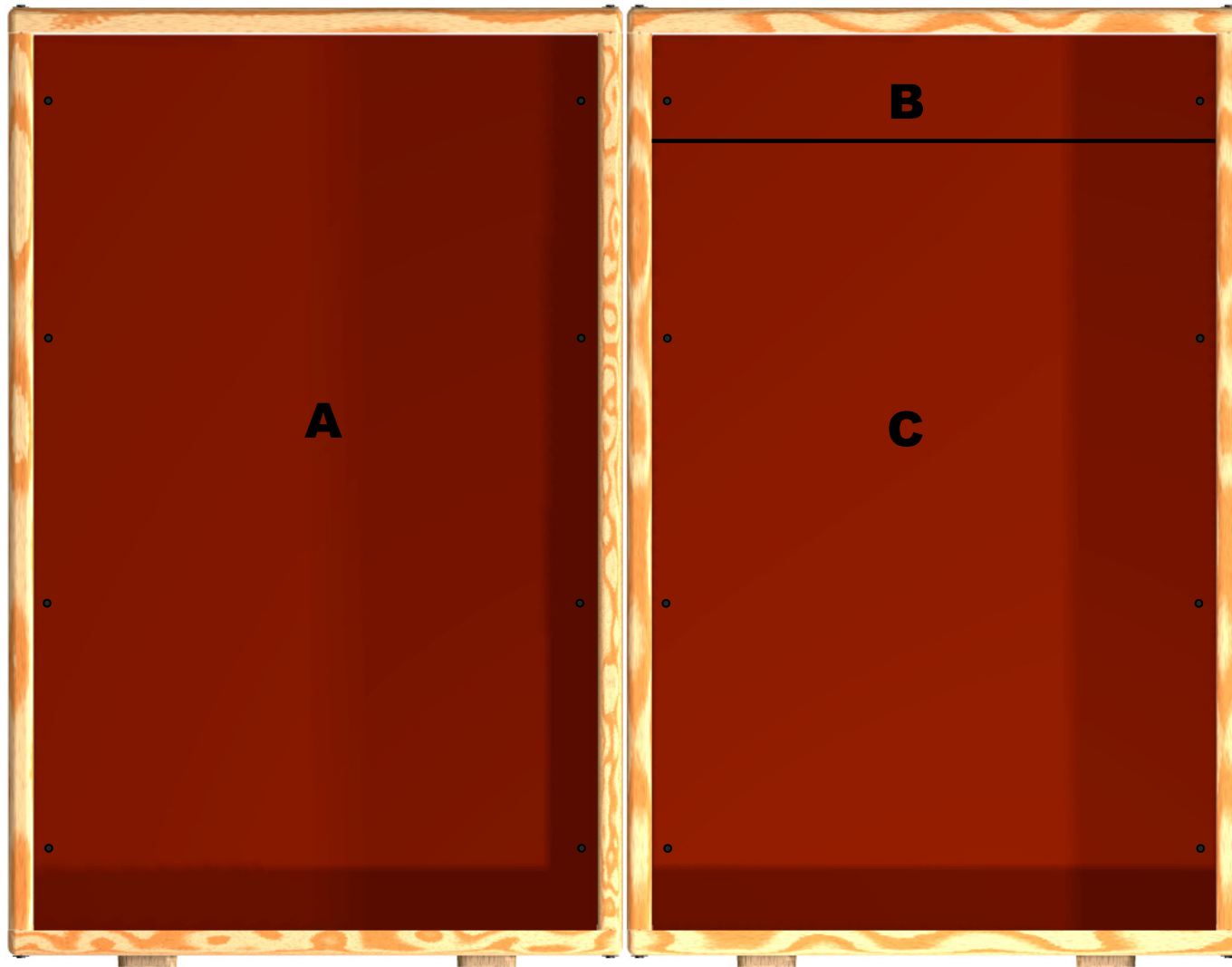


3

Casters

Full-Size Storage Drawers Plan

Further Discussion



Top View

One 4 x 8' sheet of

A 34x 54 x 3/4"

B 34 x 6 x 3/4"

C 34 x 48 x 3/4"

This is a top view of your finished drawers. It illustrates placement of the panels cut from a single sheet of plywood. If you do not care for the seam between C and B, obtain a second sheet of plywood and cut both panels the same as A. Since nothing in life is exactly perfect (except for perhaps your spouse), it is best to measure the inside of the drawers prior to cutting the panels.

A frequent question that people have pertains to the thickness of plywood. We have used a nice grade of 1/2" plywood in our drawers with good success. We do not recommend that you use anything thinner than that.