



Bulletin Board

PROJECT PLAN

Finished Dimensions: 49-1/4"W x 25-1/4"H x 4"D

Skill Level: Beginner

Materials

Item	Qty
1/2" x 2' x 4' Plywood*	1
1" x 2" x 8' Board*	3
1" x 4" x 2' Board*	1
1/4"x 2' x 3' Cork Sheet	1
1/4"x 2' x 4' Slate/Chalkboard OR Chalkboard Paint	1
3-1/2" Shaker Pegs	4
#6 x 1-1/4" Flat Head Phillips Wood Screw	
Sandpaper**: 150g, 220g & 320g	
Drill Bits: 1/8" & 1/2"	
Wood Glue	

* Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

** Starting grit will depend on board surface condition, a rough surface will require starting with a coarse grit first.



Grit is measured in the coarseness of the particles on the sandpaper. The lower the grit number, the coarser the paper.

Heavy sanding would require 60 to 80 grit, medium sanding would require 120 to 220 grit, and finish sanding would require 320 to 400 grit. Super fine sanding would be 600 grit and higher.



A select/premium board or plywood comes with a smoother surface finish. It is clear or has very few tight knots, and it will have straight and sharp edges. This grade of wood pairs well with other boards or panels better and requires less time to sand and finish.

Tools Used



Miter Saw

or



Circular Saw



Drill/Driver



Orbital Sander



Tape Measure



20V 1.5Ah Battery



20V 4.0Ah Battery



Charger



Safety Glasses



1/8" & 1/2"
Drill Bits



Countersink Bit



Phillips Dr. Bit



Clamps



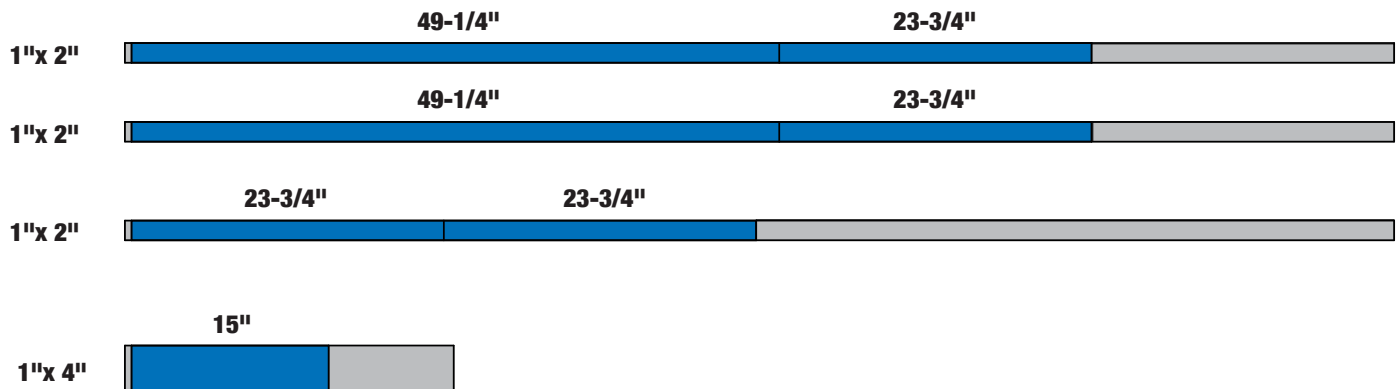
Battery Tip: A 4.0 Ah battery is recommended to be paired with high amp draw tools for maximum efficiency.

Lumber Cut List

Board*	Description	Cut to	Qty	
1" x 2"	Rails	49-1/4"	2	
1" x 2"	Stiles	23-3/4"	4	
1" x 4"	Shelf	15"	1	
14-7/8" x 23-3/4"		Cork Sheet	-	1
14-7/8" x 23-3/4"		Chalkboard	-	1

* Board dimensions are "nominal." Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

Lumber & Sheet Layout Guide

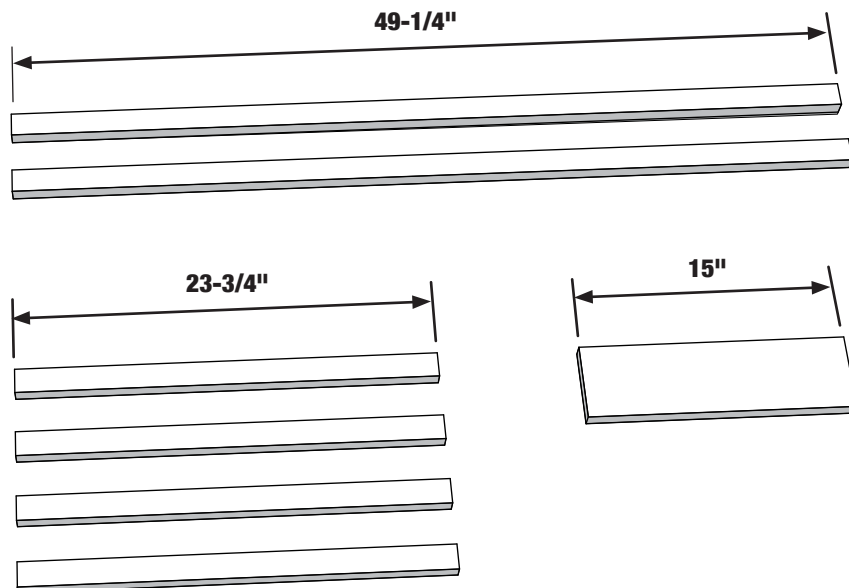


Lumber & Sheet Cut Layout Guide

Plywood Panels

If you have purchased a sheet of 1/2" x 2' x 4' plywood, the actual dimensions are most likely 23-3/4" x 47-3/4". These project plans follow these dimensions.

Boards



Assembly Instructions

Step 1


Cut out all material using the Lumber & Sheet Cut Layout Guide.

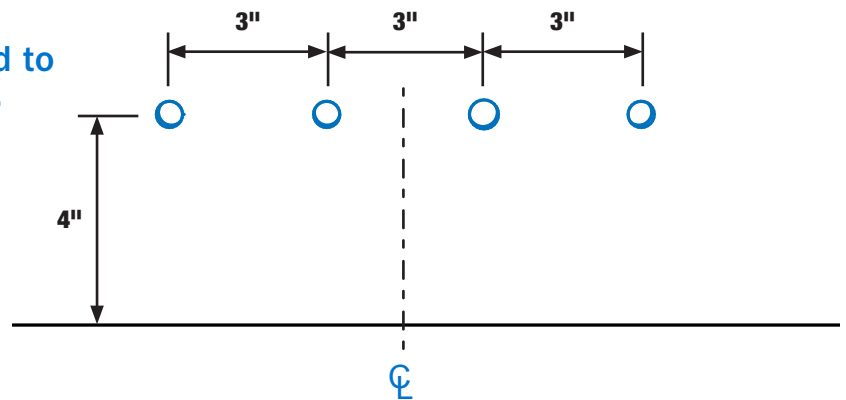
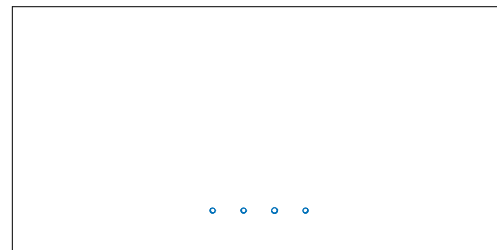


Step 2

Find the center of the 1/2" x 2" x 4" board and mark up 4" from the bottom. Then mark (4) drill points 3" apart. These holes are for the shaker pegs.

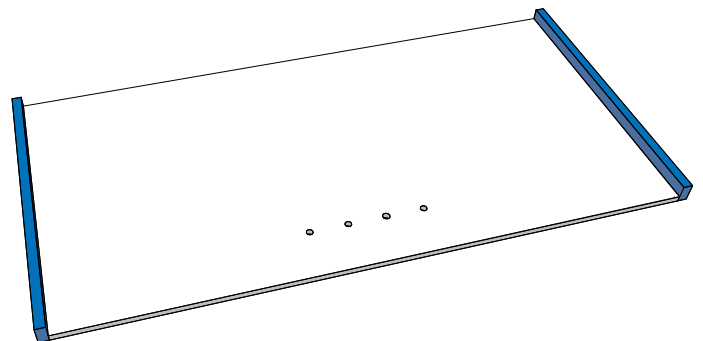
Use a 1/2" Drill Bit to drill holes through the plywood sheet.

 **Tip - Place a piece of scrap board underneath the plywood to prevent blowout when drilling.**



Step 3

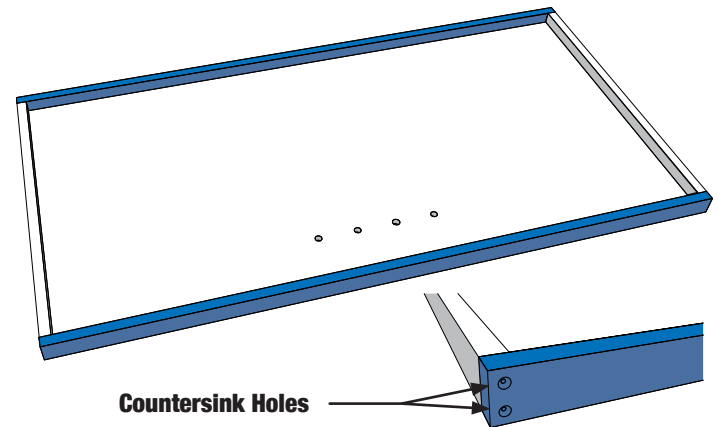
Take (2) of the 23-3/4" stiles and glue them to the sides of the plywood sheet. Make sure the bottom edges are even.



Step 4

Glue and add (2) 47-3/4" rails to the top and bottom of the plywood.

Drill (2) countersink holes in the ends of the rails. Make sure the holes are equally spaced 3/8" from each edge. Attach with #6 x 1-1/4" wood screws.

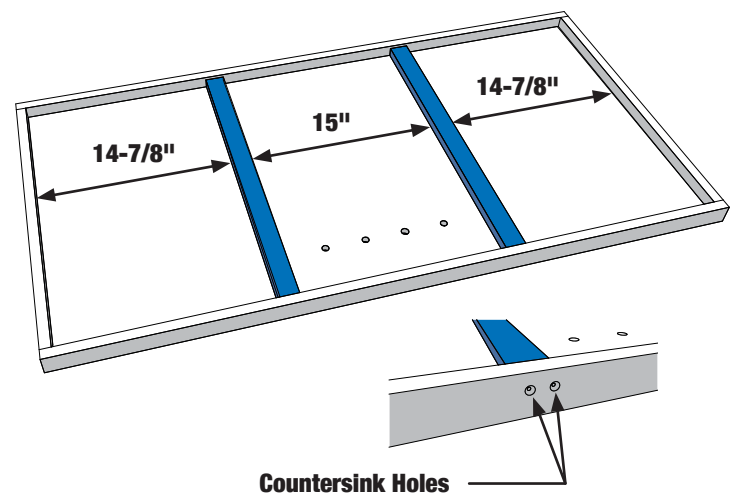


Step 5

Glue the 23-3/4" stiles to the plywood following the diagram.

Then drill (2) countersink holes 5/8" from the top edge of the stile. Make sure the holes are evenly spaced.

Attach with #6 x 1/4" wood screws.



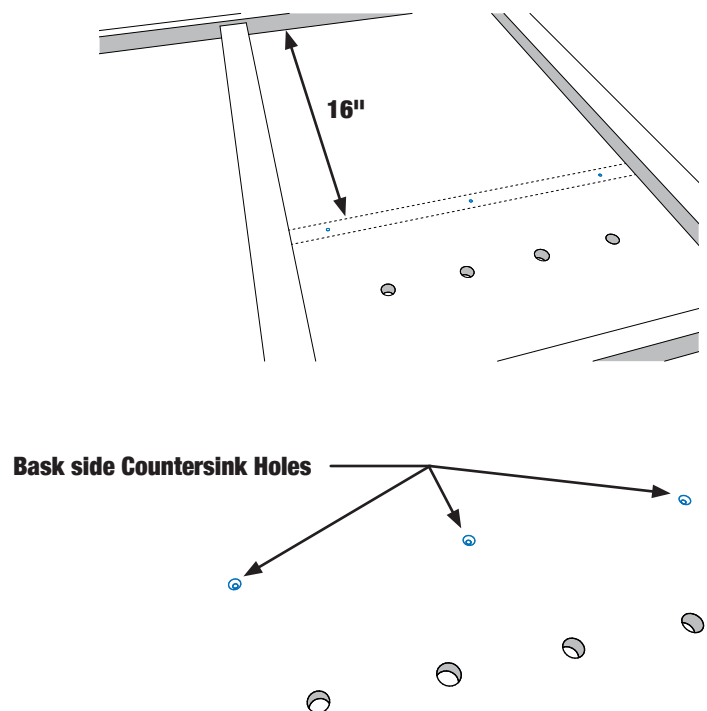
Step 6

Measure and mark a point that is 16" from the top inside edge of the frame. Place the shelf on the point and draw a line where the top and bottom of the where shelf will set.

Remove the shelf and mark a point in the center. Then mark a point 1-1/2" from each stile in the middle of where the shelf will set.

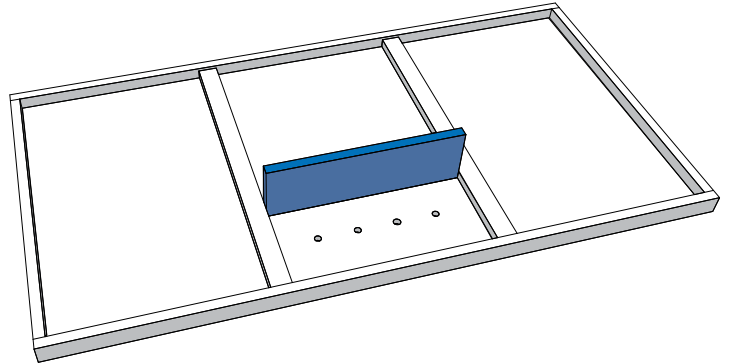
Drill a 1/8" hole through the plywood sheet at the (3) marked points.

Flip the board over to the back side and drill countersink holes into the same locations as the 1/8" holes.



Step 7

Place the shelf back in the marked location and attach it with glue and #6 x 1-1/4" wood screws.



Step 8

Sand and finish to your desire before completing the assembly.



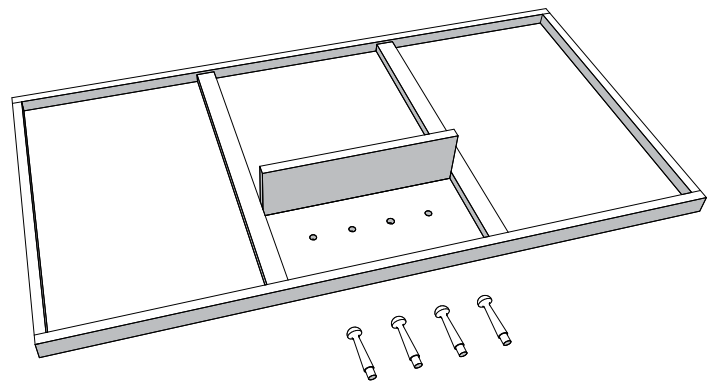
Rougher finish – Use 60-80 grit sandpaper to hand s and with the grain of the wood.

Smoother finish – Use 60-80 grit sandpaper to remove scratches & imperfections.

Followed by using 120-220 grit to smooth.

Finish Sanding – Use 320-400 grit sandpaper

Super fine sanding – Use 600+ grit sandpaper



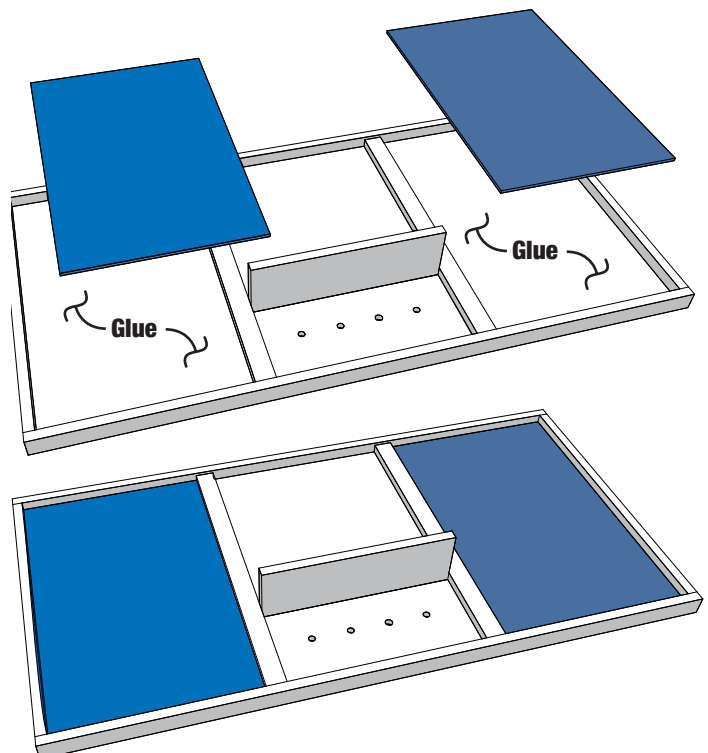
Step 9

Cut the cork sheet and chalkboard to 14-7/8" x 23-3/4". Apply glue to plywood and put sheets into place.



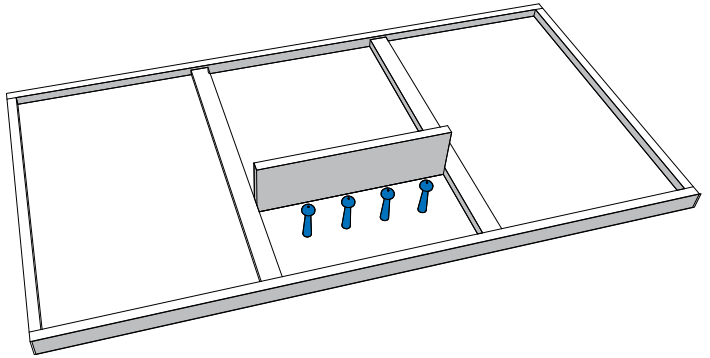
Tip - Place something flat on the sheets and add some weight to hold them down while the glue dries.

If you have elected to use chalkboard paint, prep the surfaces according to the manufacturer instructions and apply paint. Let it dry.



Step 10

Glue the (4) pegs in the 1/2" holes.



Step 11

Add wall mount or hanging hardware to the back if you wish to hang up the bulletin board.

Project complete!

