



# PROJECT PLANS

## WOODEN GIFT BOX



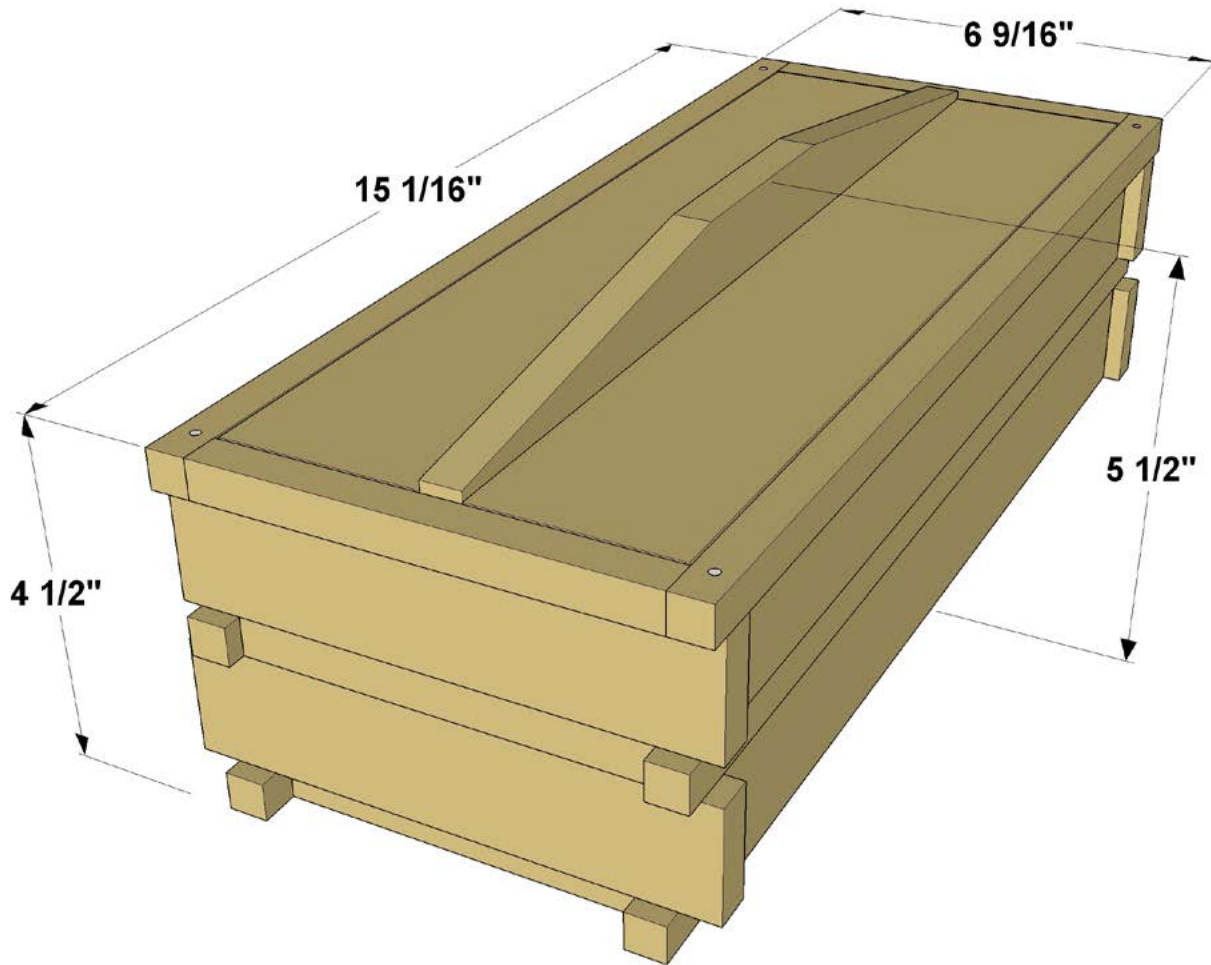
Make the gifts you give even more special by presenting them in this one-of-a-kind gift box. In fact, the box may be valued more than whatever it contains. The box is sized to hold a bottle of wine or any number of other small items, and creates a one-of-a-kind presentation for any gift.

The overlapping corner slats might appear to make building the box complex, but it's actually pretty simple. All of the pieces are cut from standard "hobby boards" available at any home center. We'll even show you a couple of simple jigs that make assembly easy.



## 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:

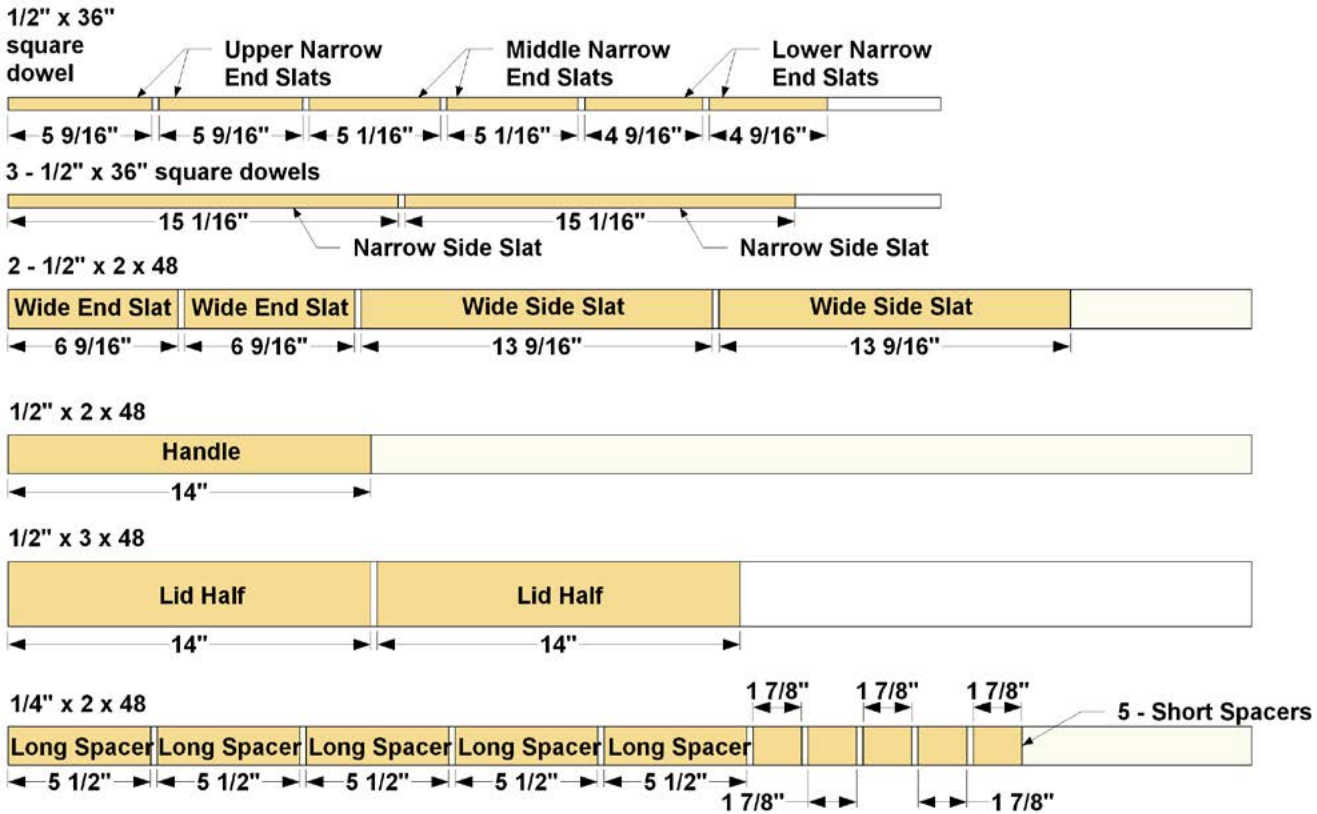
Qty	Description
(4)	1/2" x 36" square poplar dowel
(3)	1/2" x 2 x 48" red oak board
(1)	1/2" x 3 x 48" red oak board
(1)	1/8" x 24" x 48" hardboard
(1)	1/8" x 36" round poplar dowel
(1)	1/4" x 2 x 48" poplar board
(1)	felt fabric (1/2-yard)

## Tools:

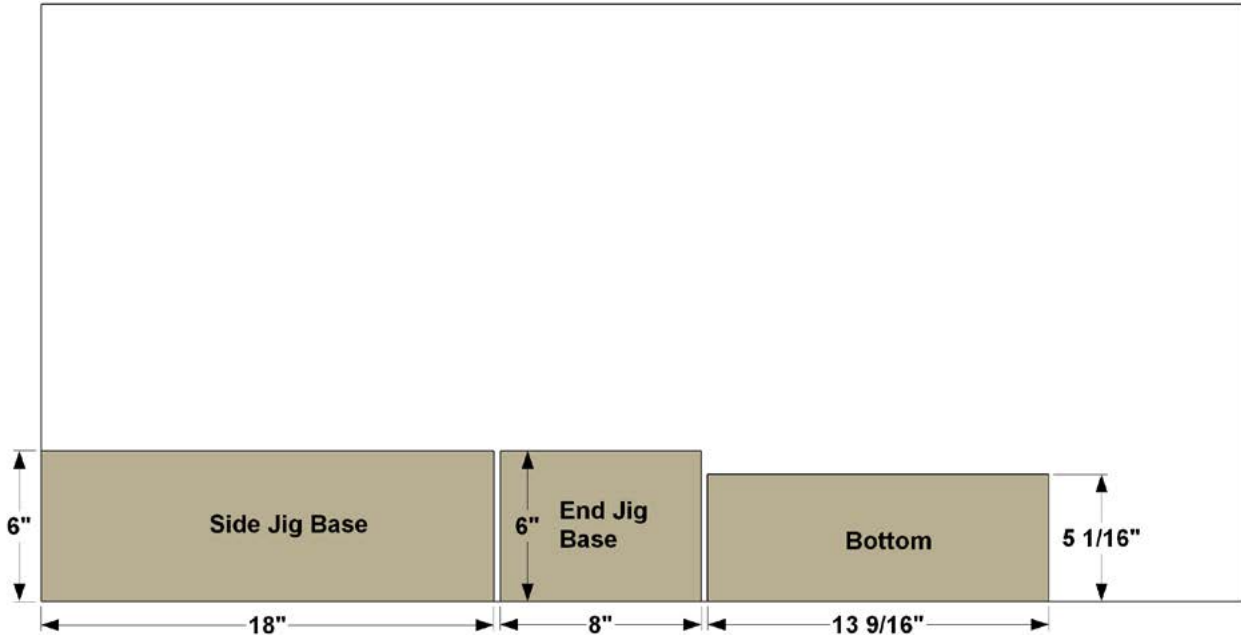
Drill/Driver  
Miter Saw  
Jig Saw  
Tape Measure  
Right-Angle Drill Attachment  
Kreg® Bar Clamps  
Packaging Tape  
Square  
Hammer

Double-Faced Tape  
Fine-Tip Marker  
Wood Glue  
Sandpaper and Sander  
Paint or Stain  
Sanding Block  
150-Grit Sandpaper  
Fine-Tooth Handsaw  
or Utility Knife

# Cutting Diagram:



1/8" x 24" x 48" hardboard



## Parts:

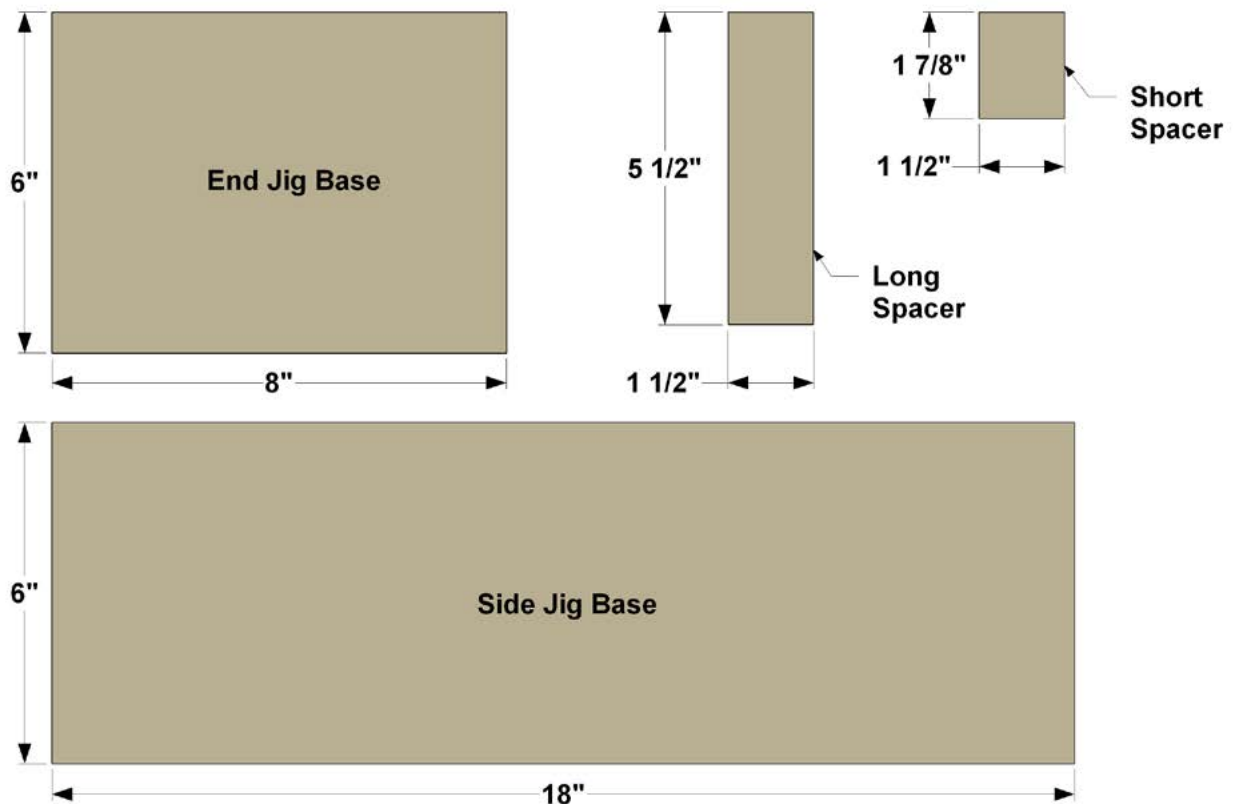
Qty	Part Name	Dimensions	Qty	Part Name	Dimensions
(2)	Upper Narrow End Slats	1/2" x 1/2" x 5 9/16"	(1)	Side Jig Base	1/8" x 6" x 18"
(2)	Middle Narrow End Slats	1/2" x 1/2" x 5 1/16"	(5)	Long Spacers	1/4" x 1 1/2" x 5 1/2"
(2)	Lower Narrow End Slats	1/2" x 1/2" x 4 9/16"	(5)	Short Spacers	1/4" x 1 1/2" x 1 7/8"
(4)	Wide End Slats	1/2" x 1 1/2" x 6 9/16"	(1)	Bottom Panel	1/8" x 5 1/16" x 13 9/16"
(6)	Narrow Side Slats	1/2" x 1/2" x 15 1/16"	(8)	Corner Pins	1/8" round dowel x 1"
(4)	Wide Side Slats	1/2" x 1 1/2" x 13 9/16"	(2)	Lid Halves	1/2" x 2 1/2" x 14"
(1)	End Jig Base	1/8" x 6" x 8"	(1)	Handle	1/2" x 1 1/2" x 14"





**Step 1:** Cut all the Narrow End Slats and Narrow Side Slats to length from 1/2" x 1/2" square dowels. Cut all the Wide End Slats and Wide Side Slats to length from 1/2" x 2 red oak boards. To make sure all like parts are exactly the same length, measure and mark carefully and use a stop block on your miter saw.

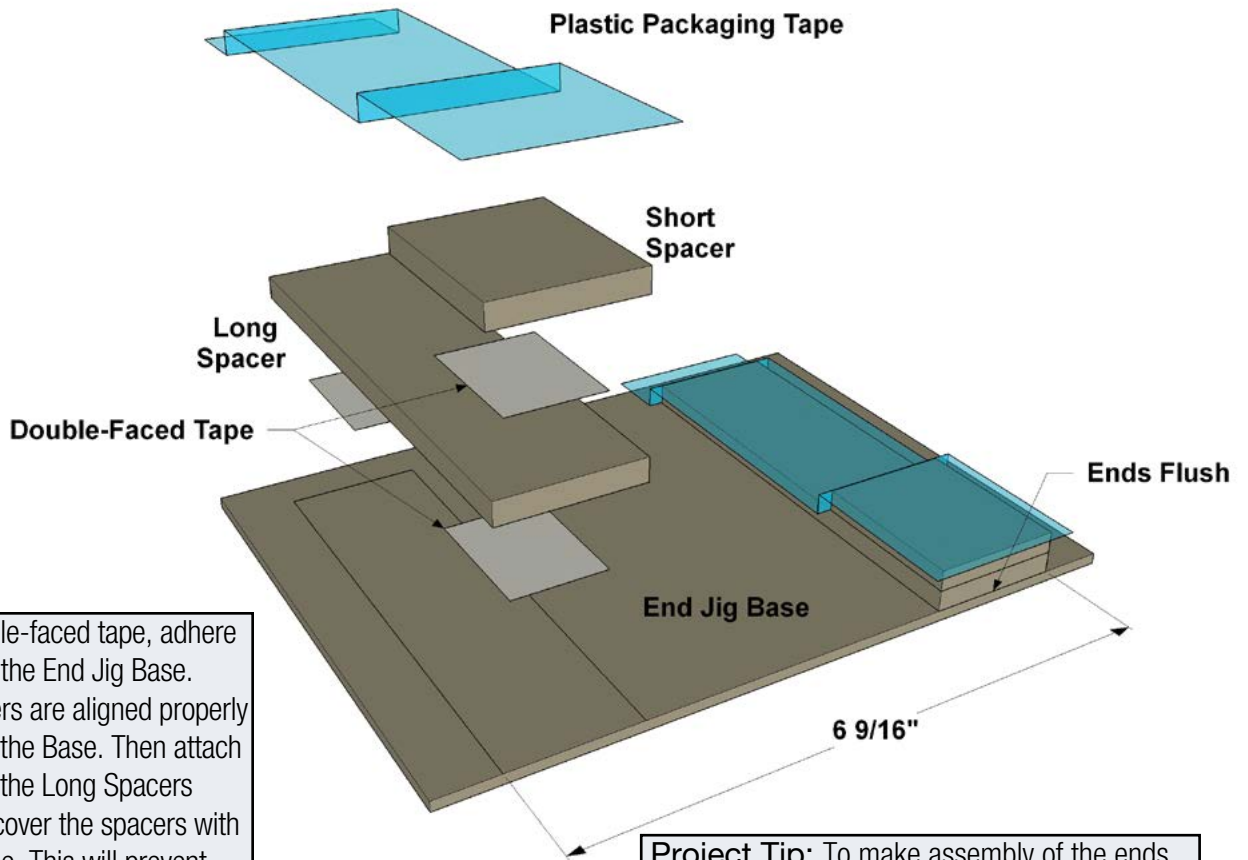
**Step 2:** Sand slight chamfers on all edges using 150-grit sandpaper wrapped around a sanding block.



**Project Tip:** To assemble this project, build a couple of jigs. They ensure accurate alignment of the Slats in the end and side assemblies. If you look at the box you'll see that the Narrow Slats at the top are offset 1/4" outward. This provides a place to hold the lid. At the bottom, the Narrow Slats are set 1/4" inward to support the Bottom Panel. The jigs help you align all of the slats, and the jigs set these offsets.

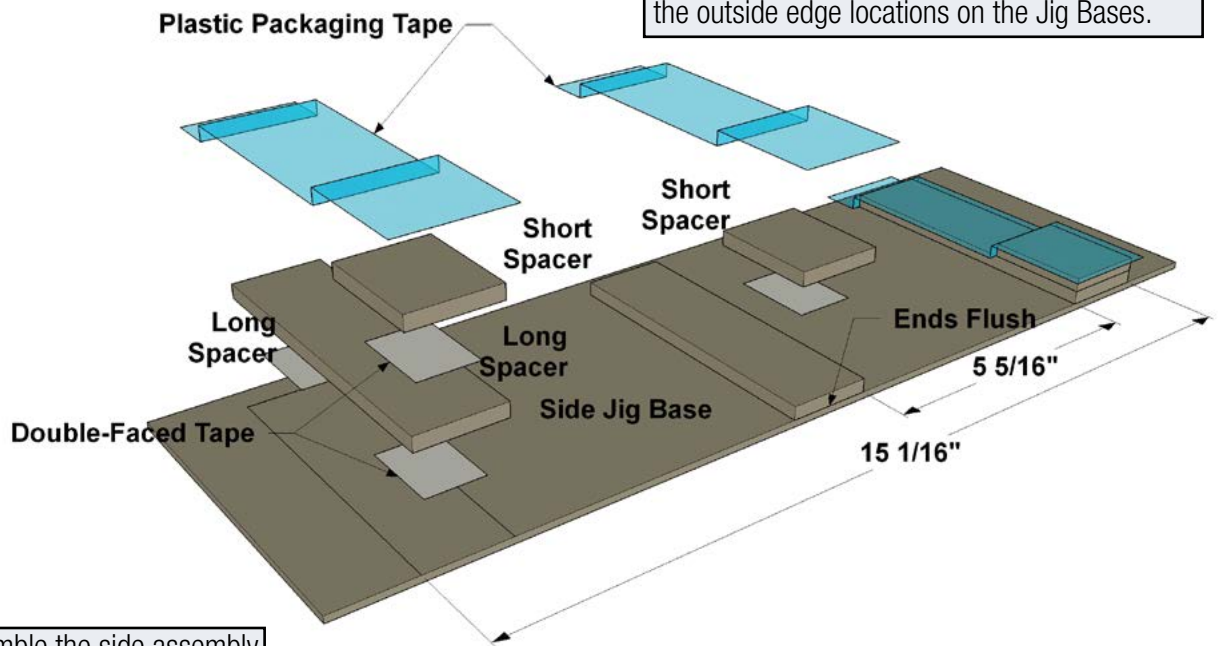
**Step 3:** To make the jigs, start by cutting the End Jig Base and Side Jig Base to size from 1/8" hard-board, as shown in the cutting diagram. Then cut the Long Spacers and Short Spacers to length from a 1/4" x 2 poplar board.





**Step 4:** Using double-faced tape, adhere two Long Spacers to the End Jig Base. Make sure the Spacers are aligned properly and sitting square to the Base. Then attach the Short Spacers to the Long Spacers where shown. Then cover the spacers with plastic packaging tape. This will prevent glue from sticking to the spacers as you glue up the parts of your gift box.

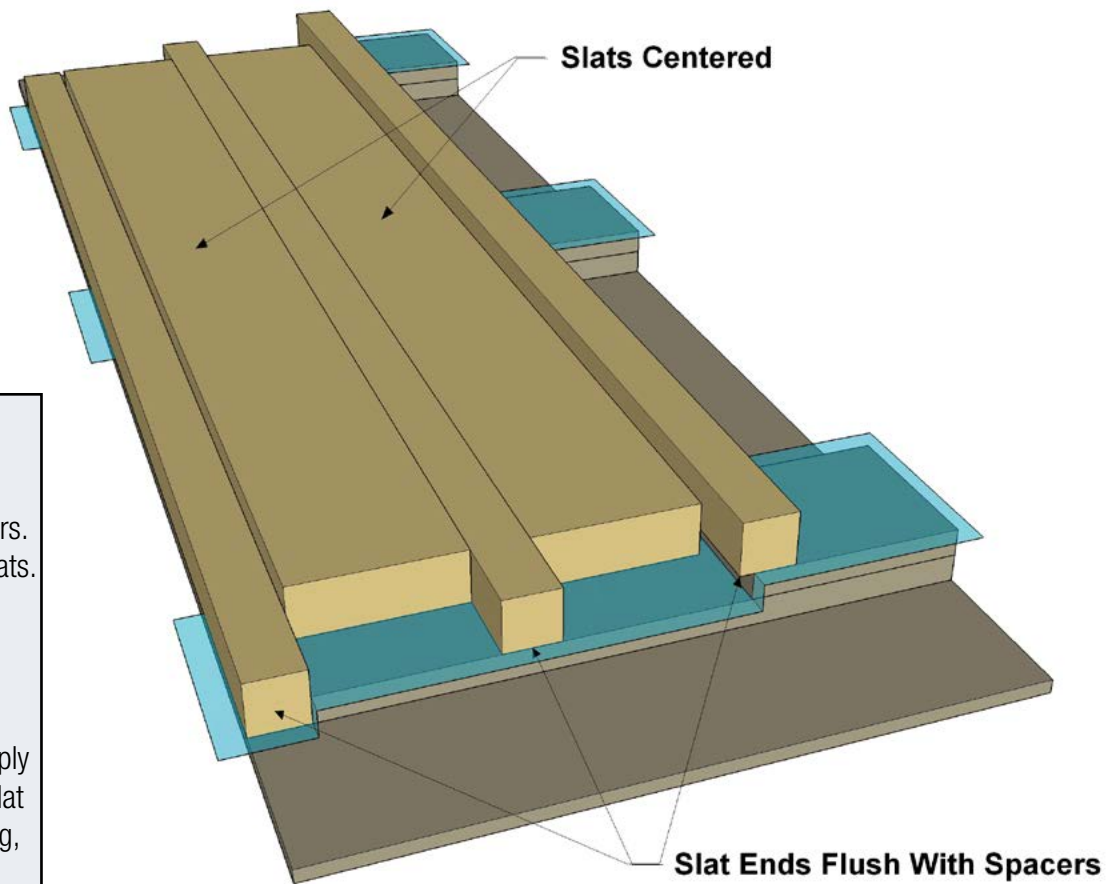
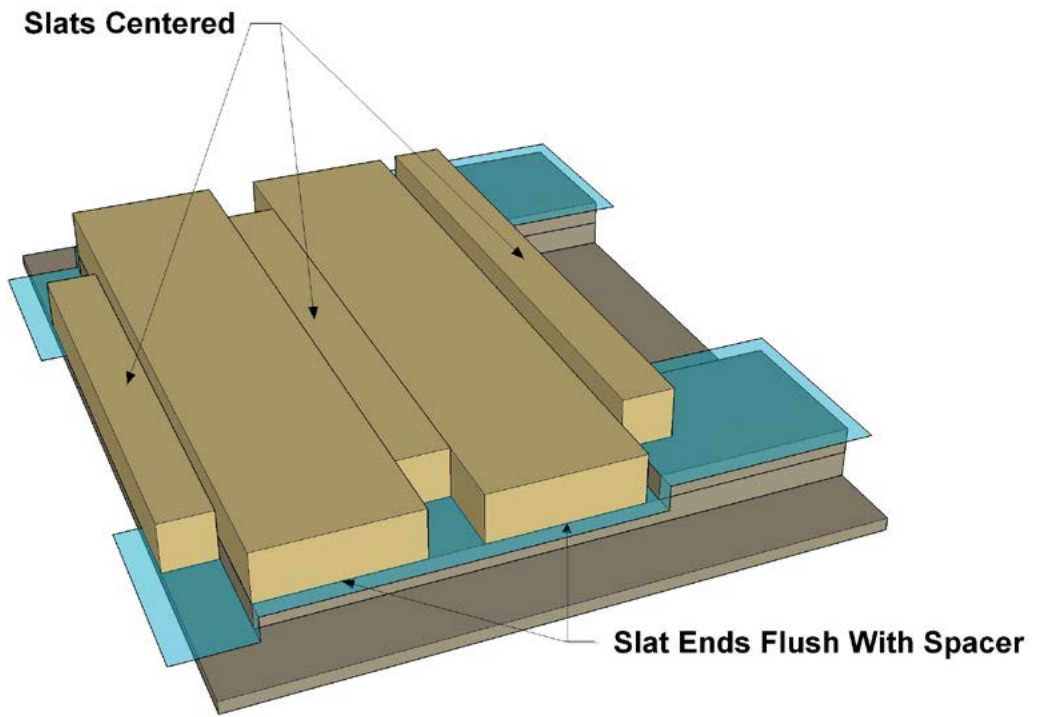
**Project Tip:** To make assembly of the ends and sides easier, the outside edges of the assembly-jig spacers align with the ends of the Wide End Slats (End Jig) and the Narrow side Slats (Side Jig). To ensure accurate Long Spacer placement, use a square when marking the outside edge locations on the Jig Bases.



**Step 5:** Now assemble the side assembly jig in the same way. Adhere three Long Spacers to the Side Jig Base and three Short Spacers to the Long Spacers. Cover the spacers with plastic packaging tape.

**Step 6:** Dry-fit one set of End Slats on the End Assembly Jig, aligning the ends of the Wide Slats with the edges of the Spacers. Then carefully center the Narrow Slats. Trace the locations of the ends of the Narrow Slats onto the jig with a fine-point felt-tip marker.

Remove the slats from the jig. Apply a fine line of glue to the mating Slat edges, position the parts on the jig, and lightly clamp. Remove any excess glue with a damp cloth. When the glue dries, repeat with the second end assembly.

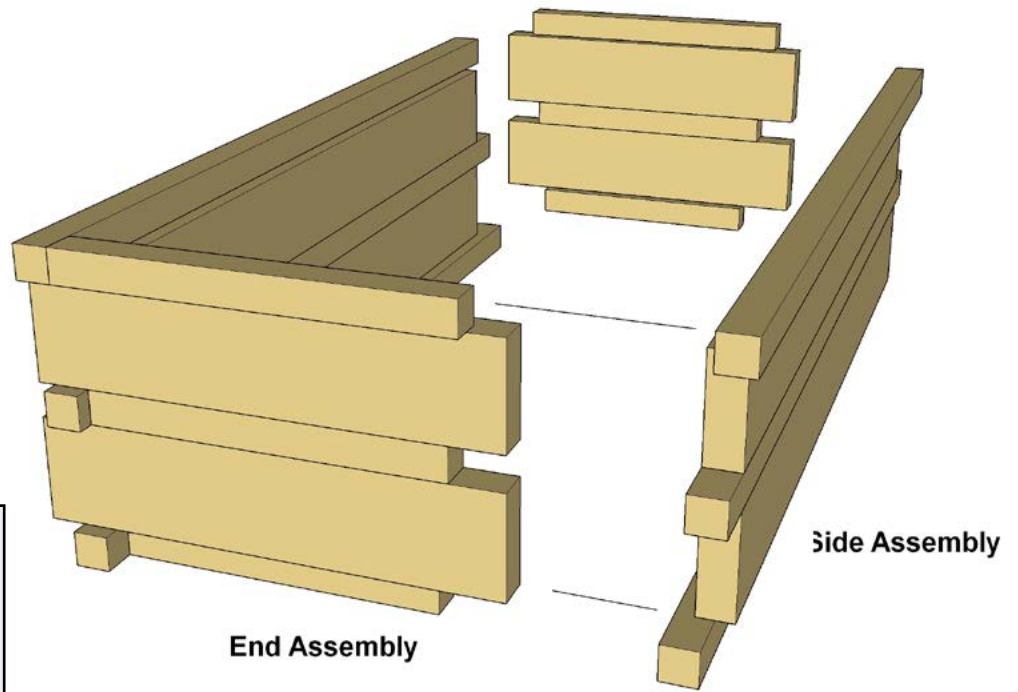


**Step 7:** Dry-fit one set of Side Slats on the Side Assembly Jig, aligning the ends of the Narrow Slats with the edges of the Spacers. Then carefully center the Wide Slats. Trace the locations of the ends of the Wide Slats onto the jig with a fine-point felt-tip marker.

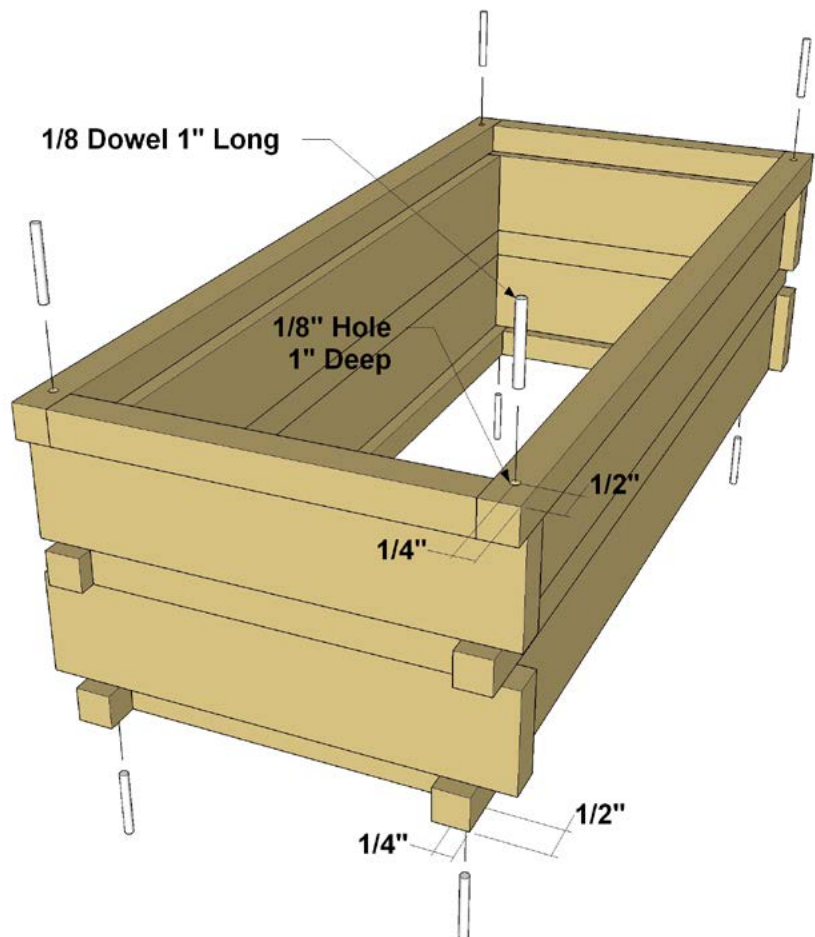
Remove the slats from the jig. Apply a fine line of glue to the mating Slat edges, position the parts on the jig, and lightly clamp. When the glue dries, repeat the process with the second side assembly.

**Step 8:** Lightly sand the inside and outside faces of the box end assemblies and box side assemblies with 150-grit sandpaper. Press the ends and sides together, interlocking the “fingers” and “notches” of the mating parts. Clamp the assembly and check it for square.

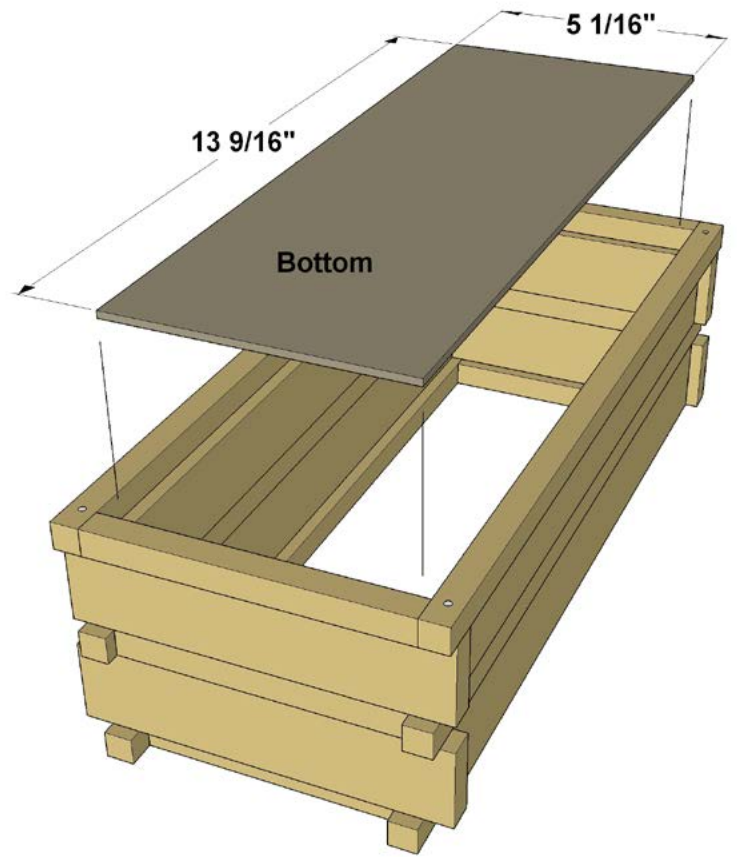
**Project Tip:** To make sure your box is square, Measure diagonally from corner to corner. Squeeze the box diagonally as necessary. When the diagonal measurements are equal, the box is square.



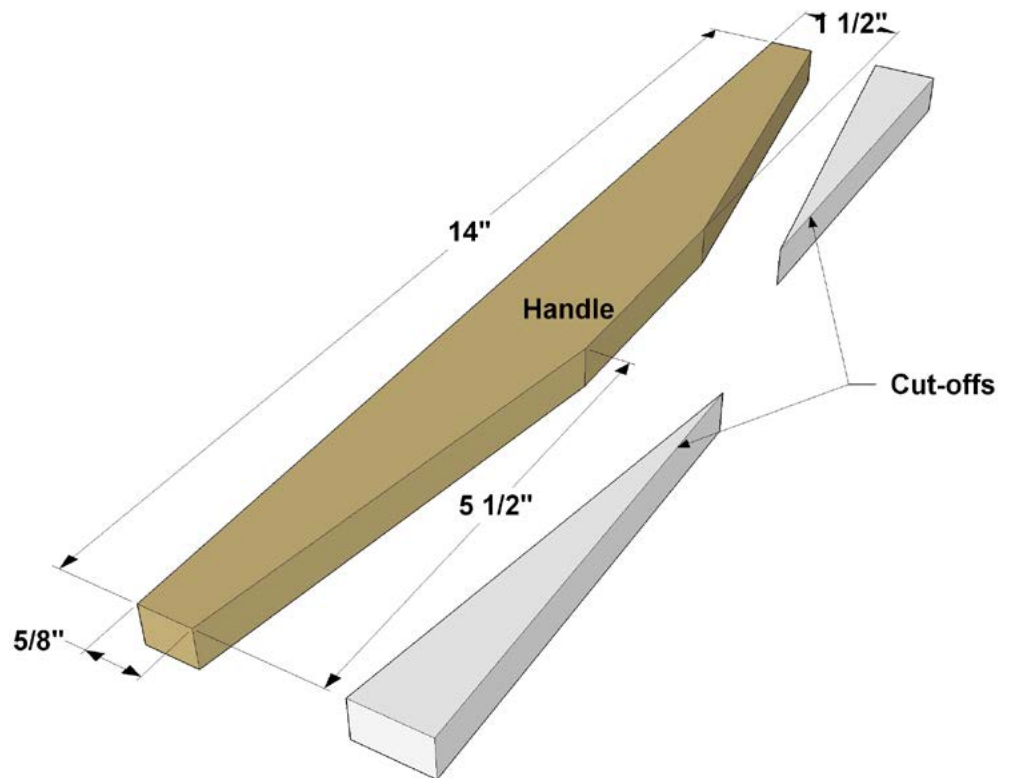
**Step 9:** Cut the Corner Pins to length from 1/8" round dowel using a fine-tooth hand saw or a utility knife. Mark center-point locations for the Pins on the top of the box and drill 1"-deep holes. Squeeze a little glue into the holes and tap in the Pins. Turn the box upside down and repeat at the bottom corners.



**Step 10:** Cut the Bottom to size from 1/8" hardboard. Apply glue to the ledge created by the lower end and side Slats and insert the Bottom. Apply weight, such as a quart can of paint, to the bottom until the glue dries.



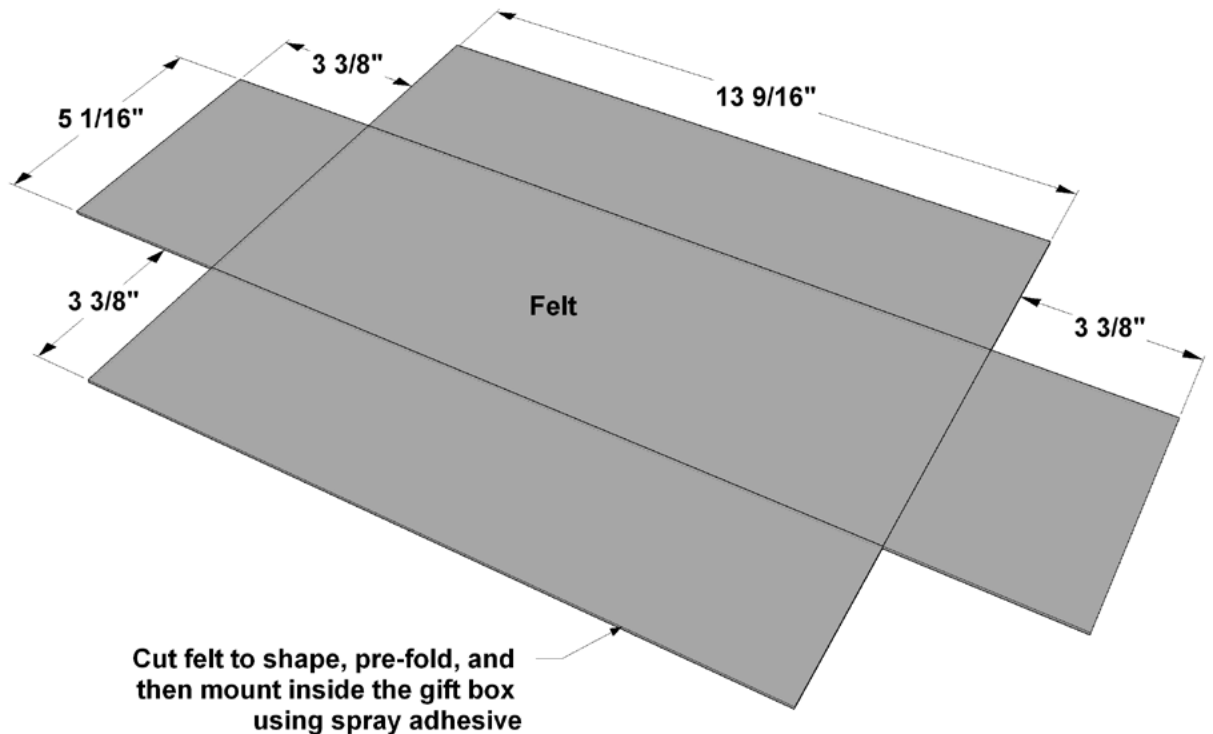
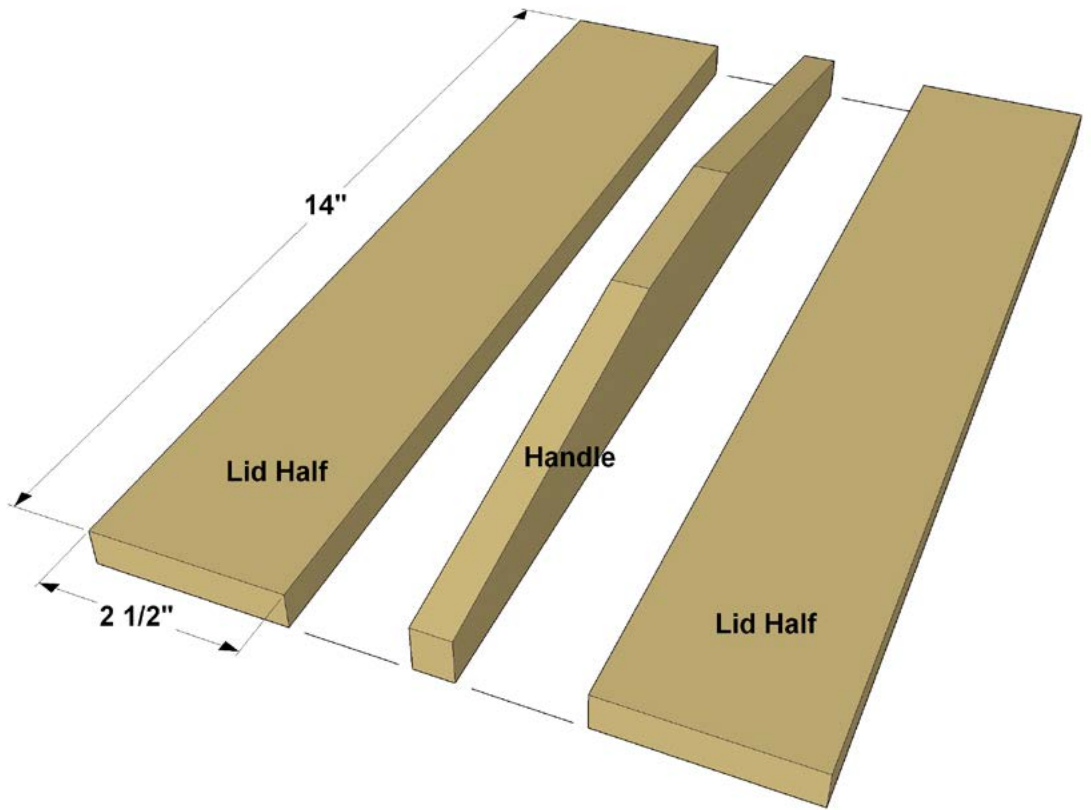
**Step 11:** Cut the Handle to length from a 1/2" x 2 red oak board. Draw the tapers on the handle and cut along the lines with a jigsaw. Sand the cut edges smooth. Sand slight chamfers on the top edges.



**Step 12:** Cut the Lid Halves to length from a 1/2" x 3 red oak board. Sand slight chamfers on the ends and one edge of each Lid Half.



**Step 13:** Glue and clamp the Handle between the Lid Halves, with the chamfers on the Lid Halves on the perimeter and the bottom surfaces flush. With the glue dry, place the Lid on the ledge created by the offset upper end and side Narrow Slats. Sand the edges as necessary for a good fit. Lightly sand the top and bottom surfaces of the lid with 150-grit sandpaper.



**Step 14:** Once your box is assembled, you can stain it to suit your taste. To set it off even more, we finished the inside of our box with felt that we picked up at a fabric store. Cut the felt to shape and test fit it, then install it with a light coat of spray-mount adhesive. Just spray the back side of the felt, and carefully position it in the box.