

Woodworking Plans You Can Download Now!

# **Loft Bed**



This loft bed / desk combination makes a great space saver in the kid's room or dorm room. Solid wood construction from 1-1/2" stock make this unit rock solid. Note that the drawer bases under the desk were created with the 3-drawer night stand plan available separately on FurniturePlans.com. This gives you the option of substituting different types of bases (such as file cabinets) if desired.

### **Loft Bed Dimensions:**

44" Wide x 80" Long x 69-1/4" High

## **Getting started:**

The parts for this project can be cut with a variety of tools and machines but we all have our favorites and those of which we are most comfortable. We suggest you read through the instructions before doing any cutting and decide which tools you feel most comfortable using. The plan is designed to guide you through the steps of building the project as we have.

#### A note about safety:

Woodworking can be dangerous. Safety equipment and keeping your tools in proper working order with guards in place and adjusted properly can greatly reduce your risk of injury.

Be sure to read and understand all of the safety instructions that come with your tools.

Use common sense and caution in your workshop at all times. If you are not comfortable with a procedure, don't do it. Find an alternative that feels safe for you, no matter how others may work. Safety in your workshop is your responsibility.

## Shop tips:

We have a few helpful hints we would like to share with you that have made assembling projects easier for us and help you to have the same success and enjoyment.

Do not cut every piece at once. Especially on large, complex projects, cut and fit as you go through the procedures. Small dimensional discrepancies in one part such as slightly shallower dados or slightly longer tenons than what's called for can affect the dimensions of subsequent parts. Build complex projects as a series of components. These plans are designed to walk you through the procedures in a logical order and it is important to go through the steps and verify the dimensions given with what's already been built.

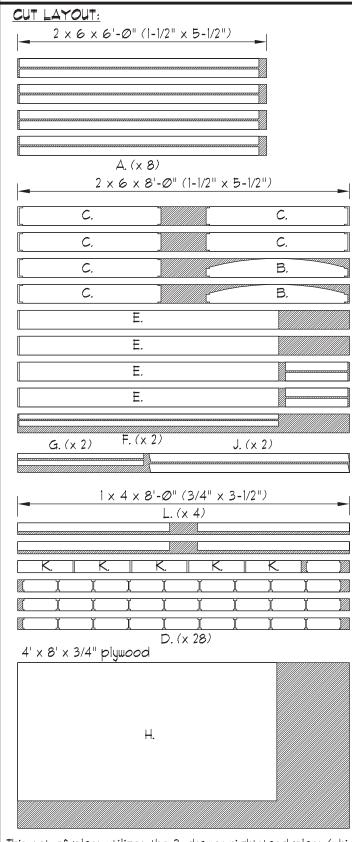
Predrilling is always a good idea in any type of wood that you use to avoid splitting or breaking off screw heads.

You can't say enough about squaring up assemblies no matter where you are in the assembly process. Getting something a little out of skew can be a frustrating experience for any woodworker. To avoid this always keep a tape measure and square handy. Remember to square before and after you have tightened the clamps.

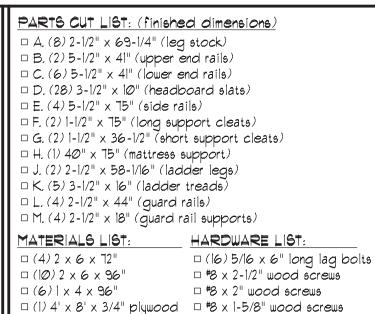
#### Thank you for trying FurniturePlans.com.

If you have specific questions or problems regarding any of our plans, you may e-mail us at: tech@furnitureplans.com If you have any general comments or suggestions for future plans, please e-mail us at:

info@furnitureplans.com



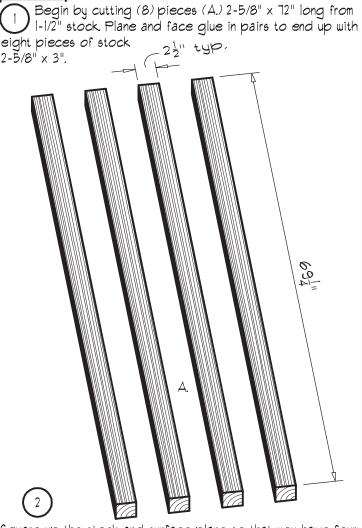
This set of plans utilizes the 3-drawer nightstand plans (which can be downloaded separately) as the drawer bases for the desk unit. No attempt was made in these plans to duplicate the drawer base construction. This will provide you with the flexibility of using different drawer bases or 'store bought' filing cabinets.



□ (1) 74-1/2" lam. countertop □ (16) 3/4" dia. wood plugs

MAKE LEGS

DIAG 1.



Square up the stock and surface plane so that you have four leg blanks 2-1/2" x 2-1/2" square. Square up one end and cut the legs (A,) to final length of 69-1/4".

MORTISE LEGS (A.)

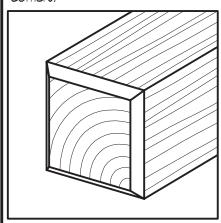
Lay out and cut (3) 4-3/4" x 3/4" mortises and (1) 2-1/4" x 3/4" mortise on the legs (A.) as shown. Mortises are 1" deep.

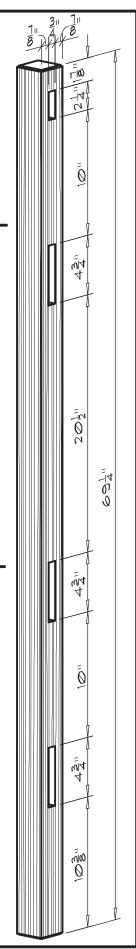
A note on mortising:

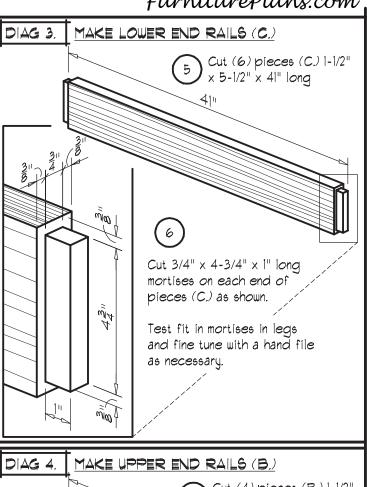
Mortising can be accomplished in a variety of ways with a variety of tools. Select a way that you are most comfortable with. If you choose to mortise with a hand chisel, it is a good idea to remove a majority of the material with a drill press equipped with a forstener bit first. It is also helpful to clamp a scrap piece of wood along the layout lines to help you keep the chisel perpendicular to the work surface. Make the cuts across the grain before making the cuts parallel to the grain to avoid splitting. Whichever method of mortising you use, work on a sturdy table at a comfortable height and keep the work piece clamped securely to the work surface.

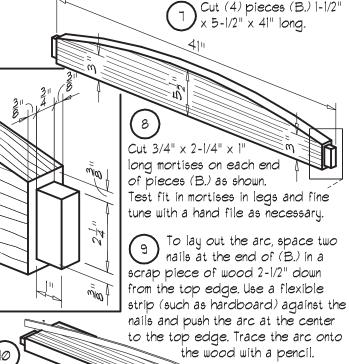


Chamfer both the tops and the bottoms of the legs approximately 1/8" all around. This will help prevent the wood from chipping at the corners.





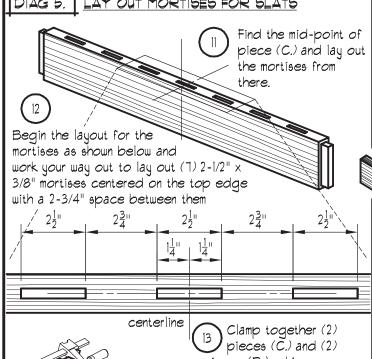




Cut out the arc

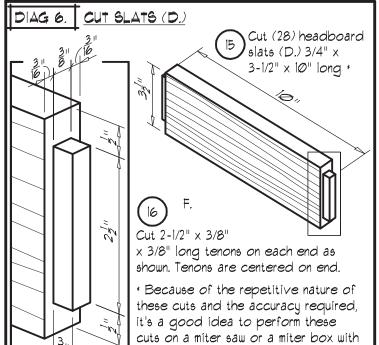
with a jigsaw staying 1/8" to 1/16" away from the

layout line. Sand the arc smooth up to the layout line on a drill press equipped with a drum sander.



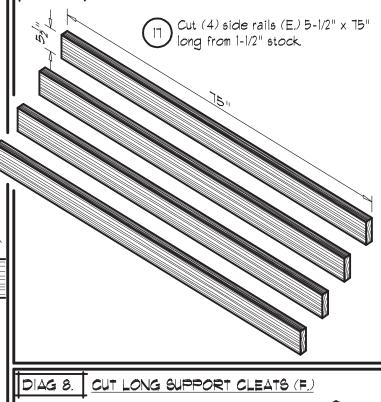
pieces (B.) making sure ends are perfectly flush. This way all the slat mortises can be laid out at one

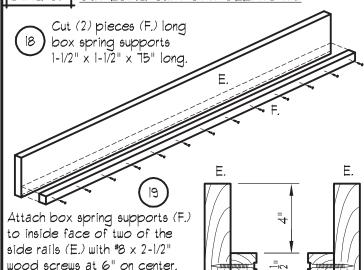
Use a combination square and a pencil to lay out the locations and cut the 2-1/2" x 3/8" x 3/8" deep mortises. Repeat for other set of rails.



a stop block positioned the correct

distance away from the saw blade.





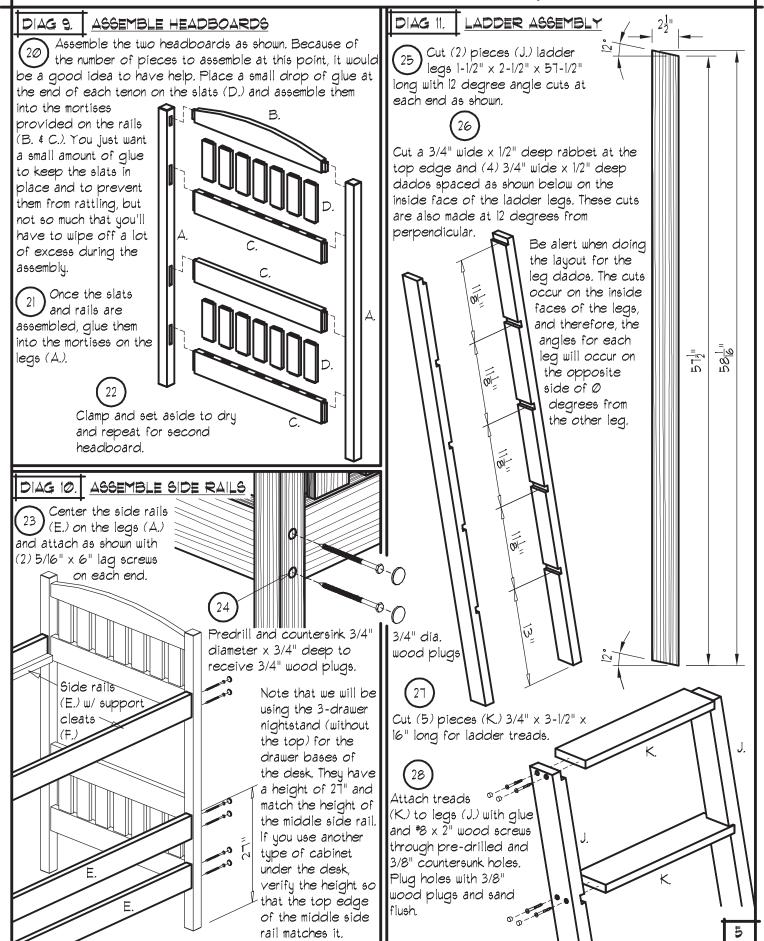
wood screws at 6" on center. Bottom of support (F.) to be flush with bottom of side rail (E.)

Prepare for assembly:

Now is the best time to give all the pieces a final sanding and prepare for final assembly.

Start with 150 grit sandpaper to remove all the tool marks and work your way through to 220 grit until the surface is smooth.

If you plan to use water based stain to finish the bed, it is a good idea to lightly wet the wood surface with a damp cloth before the final sanding with 220 grit paper. This will raise any grain that would otherwise raise when a water based finish is applied.



Sand all sharp edges and finish as desired.

6

plywood. Verify dimensions with actual assembly and fit the mattress supports between the side

rails and on top of the support cleats.

