

Toy Box

PROJECT PLANS

Finished Dimensions: 24"W x 10"H x 20"D

Skill Level: Beginner

Materials

Item	Qty
1" x 10"x 8' Board*	1
1" x 24"x 48" Pine Edge-Glued Common Board	2
1-1/2"x 18-Gauge Collated Nails	1 box
1-1/4"x 24" Steel Piano Hinge + Screws	1
# 212 Brass Eye Screws	2
# 16 Brass Jack Chain	12"
Wood Glue	
Sandpaper** : 150g, 220g & 320g	
Sealer/Paint	

* 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.

R 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.

R 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



7-1/4" Sliding Compound Miter Saw

or



Circular Saw



Jig Saw



Drill/Driver



Brad Nailer



5" Random Orbit Sander



Tape Measure



5" Sandpaper



Driver Kit

Also Needed: Safety Glasses, Framing Square and Clamps



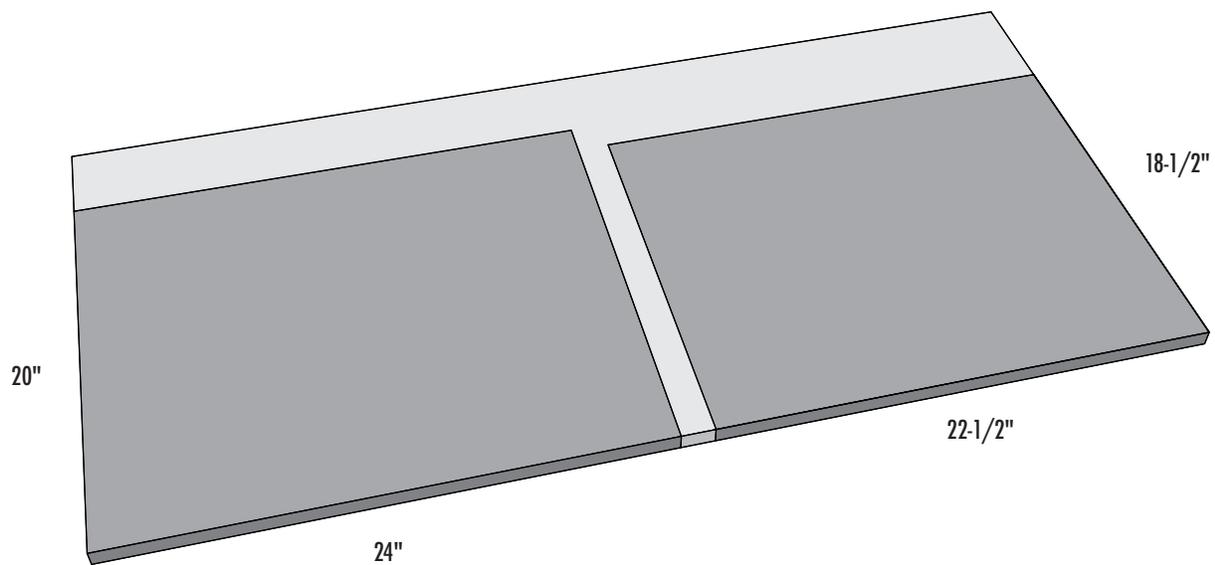
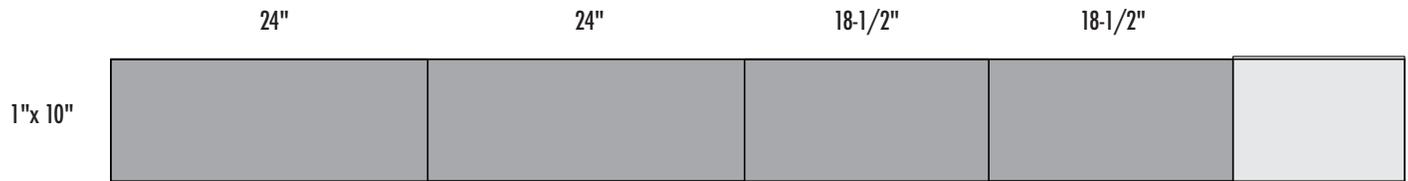
Battery Tip: A 4.0 Ah battery is recommended to be paired with high amp draw tools for maximum efficiency.

Lumber Cut List

Board *	Description	Cut to	Qty
1" x 10"	Front & Back Panels	24"	2
1" x 10"	Side Panels	18-1/2"	2
1" x 20"	Top Lid	24"	1
1" x 18-1/2"	Bottom	22-1/2"	1

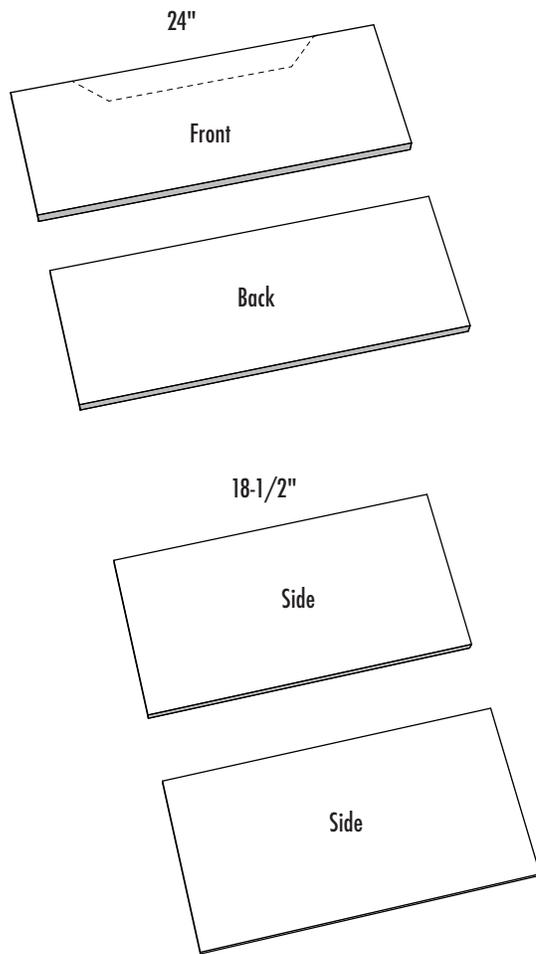
*Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

Lumber & Sheet Layout Guide

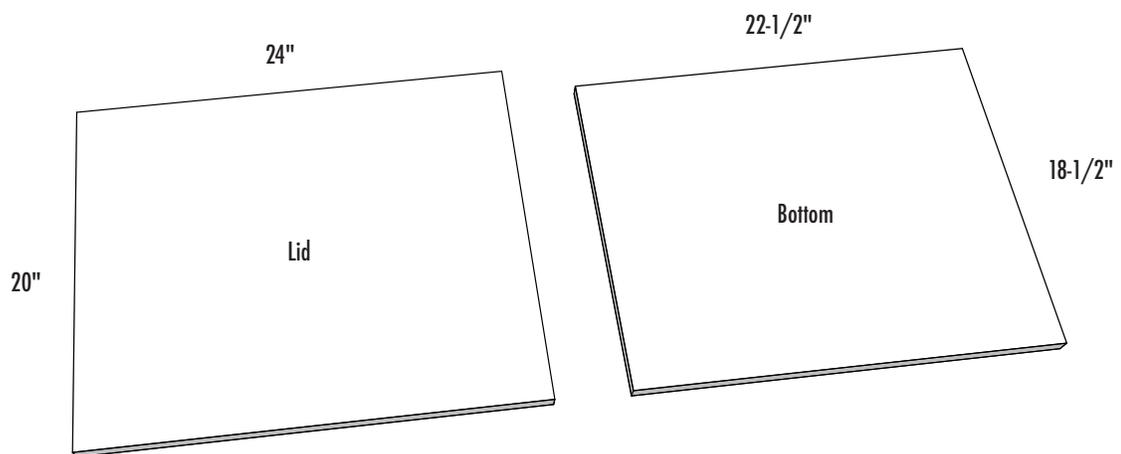


Lumber & Sheet Cut Layout Guide

Boards



Sheet



Assembly Instructions

Step 1



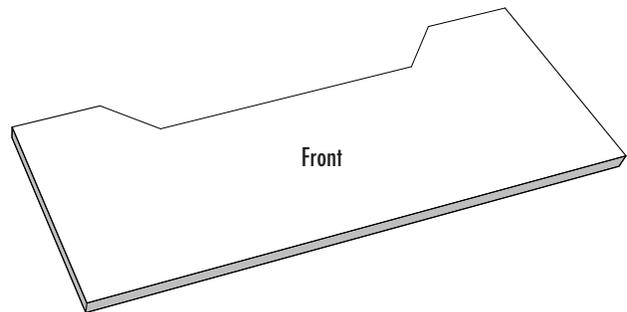
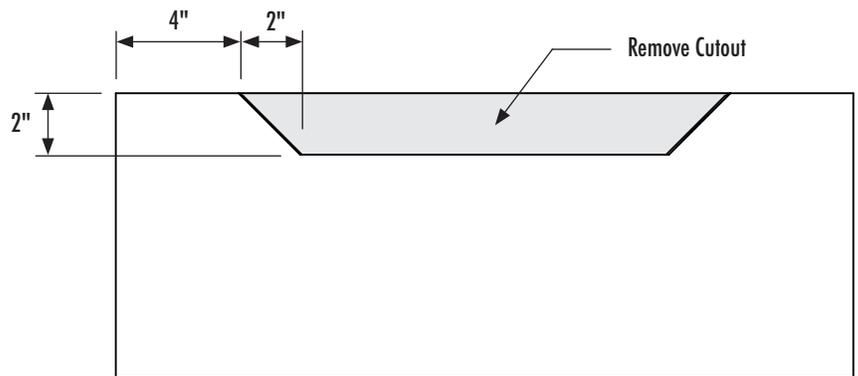
Cut out all material using the Lumber & Sheet Cut Layout Guide.

Step 2



Mark the location for the lid cutout using the diagram. Both sides are symmetrical.

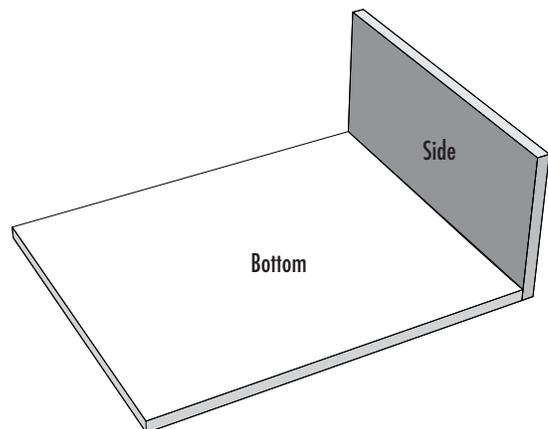
Use a jig saw to cut out and remove this section.



Step 3



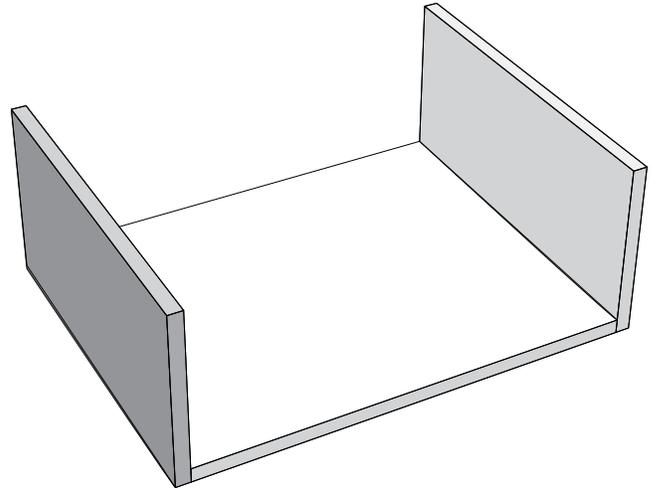
Attach (1) side to the bottom panel with glue, then secure using a brad nailer. Place brad nails every 2 inches.



Step 4



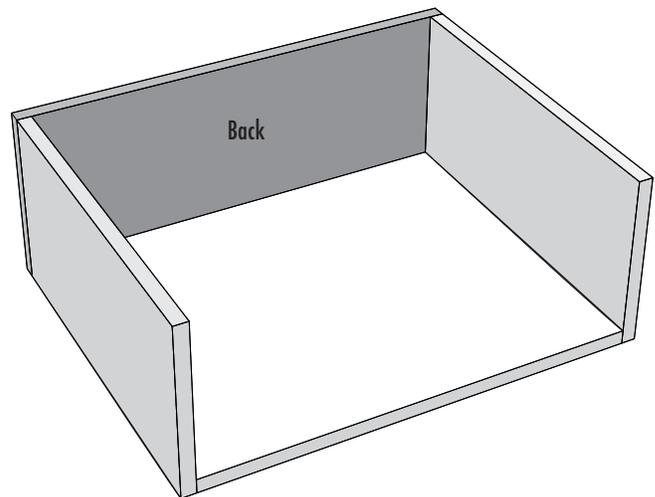
Use the same method from Step 3 to attach the opposite side panel.



Step 5



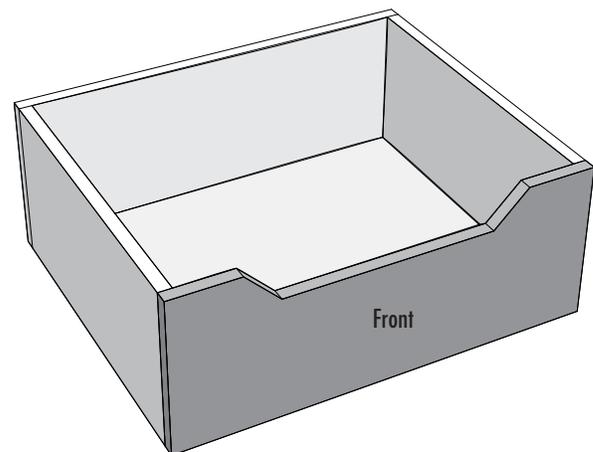
Use the same method from Step 3 to attach the back panel.



Step 6



Repeat Step 5 to attach the front panel.

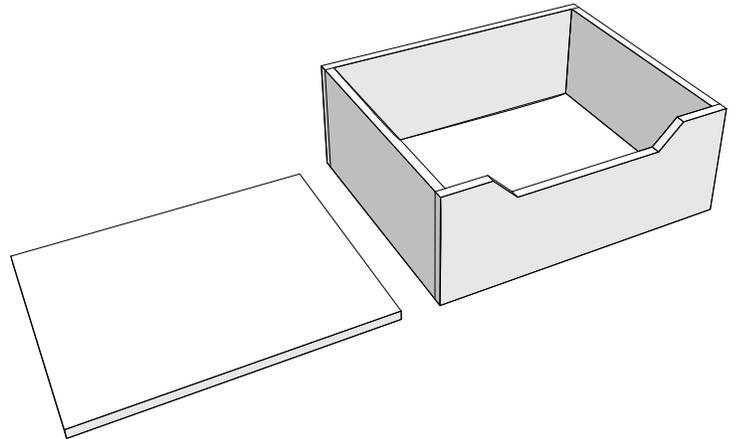


Step 7



Sand the toy box and the lid. Refer to the sanding information on the bottom of Page 8.

Apply finish coat as desired.

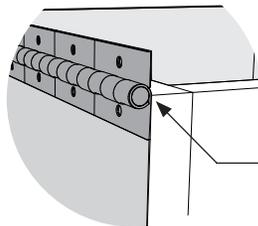
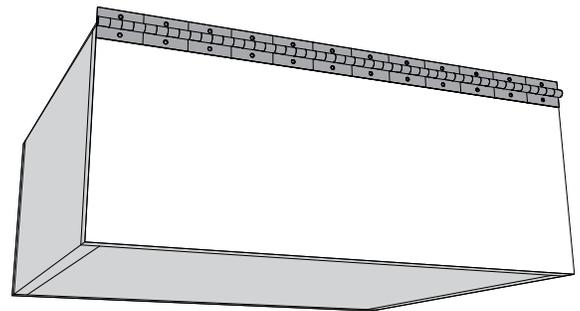


Step 8



Align the piano hinge to the back of the top edge of the toy box.

Install as hinge instructions recommend.

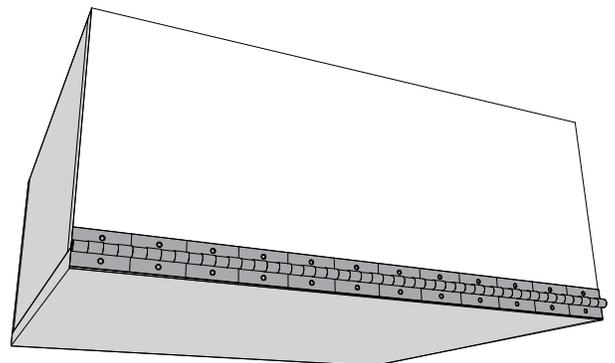


Center hinge barrel to edge of box.

Step 9



Attach lid to hinge.



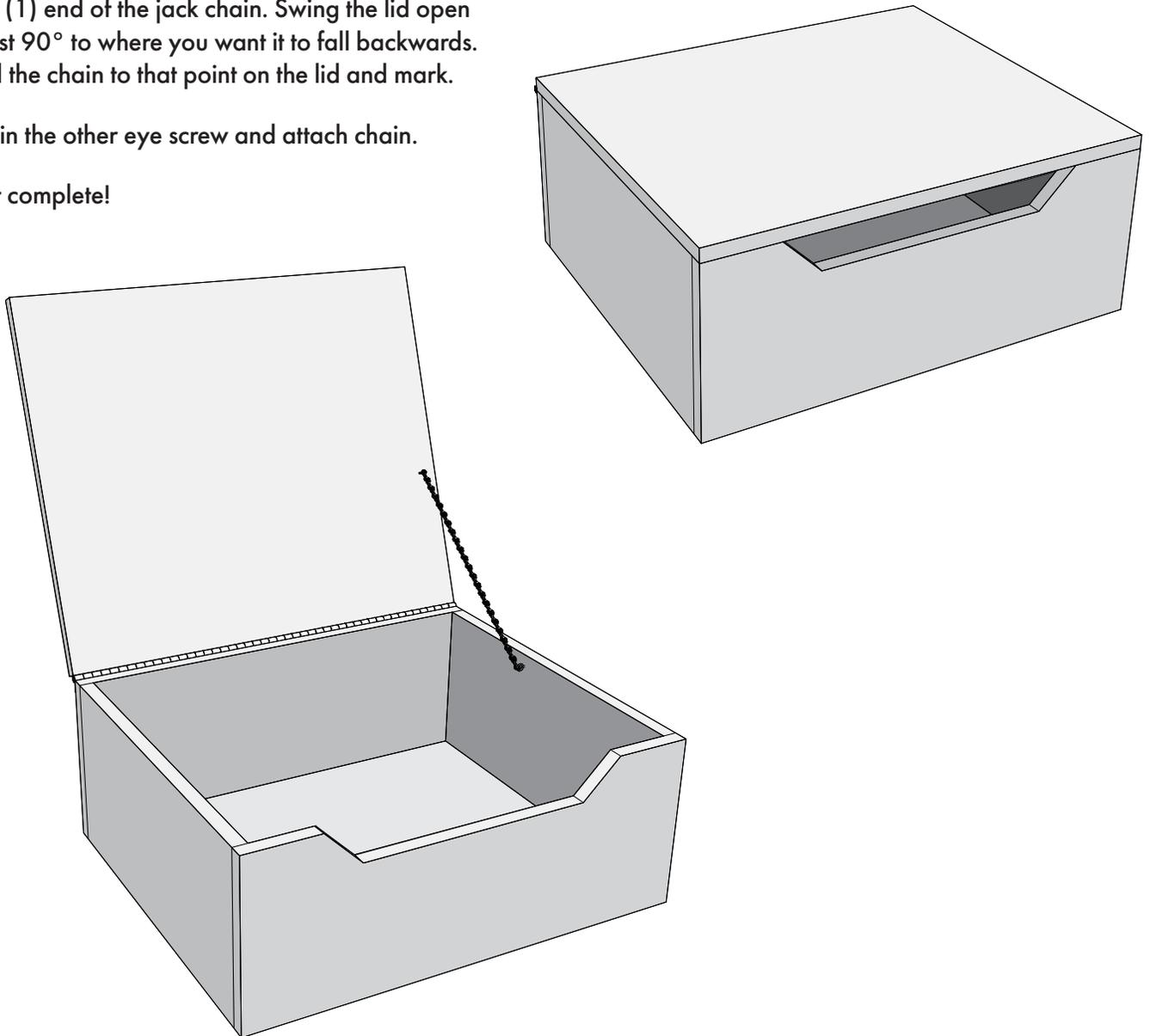
Step 10

Screw in (1) of the eye screws about 5" from the back and 1" down.

Attach (1) end of the jack chain. Swing the lid open just past 90° to where you want it to fall backwards. Extend the chain to that point on the lid and mark.

Screw in the other eye screw and attach chain.

Project complete!



Rougher finish – Use 60-80 grit sandpaper to hand sand 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