



Dart Board Center

PROJECT PLANS

Finished Dimensions: 30"W x 25"H x 3-1/4"D

Skill Level: Beginner



Materials

Item	Qty
Pallets	As Needed
3/4" x 18-Gauge Collated Nails	1 Box
1-1/4"x 18-Gauge Collated Nails	1 Box
2"x 18-Gauge Collated Nails	1 Box
2-1/2" Utility Hinges with Screws	4
Sandpaper** : 60g, 150g, 220g & 320g	
Drill Bits: 3/32"	
Chalk Paint	
Wall hanger Kit	1

* 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

7-1/4" Sliding Compound Miter Saw

or Circular Saw

Drill/Driver

18GA Brad Nailer

5" Random Orbit Sander

Tape Measure

Hammer

Drill Bits

Driver Kit

5" Orbit Sandpaper

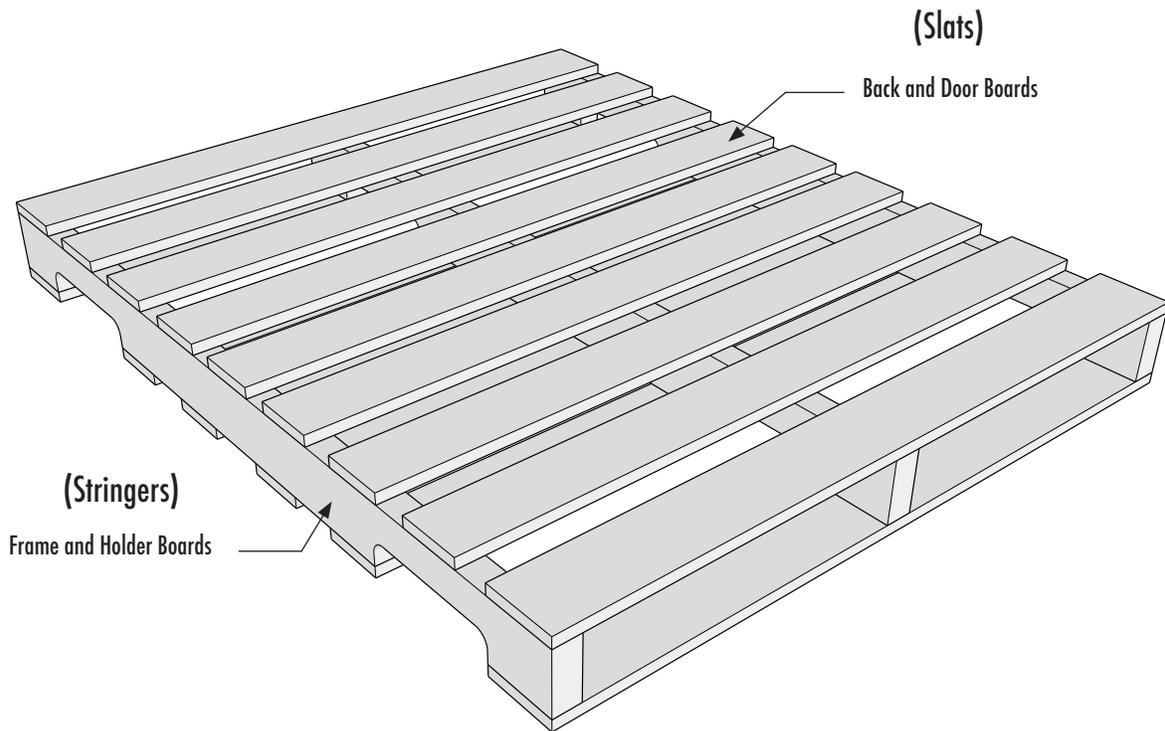
Also Needed: Safety Glasses, Clamps and Pry Bar

Lumber Cut List

Board *	Description	Cut to	Qty
1-1/8" x 1-3/4"	Frame, Side Boards	As Needed	
1-1/8" x 1-3/4"	Frame, Top & Bottom	22-3/4"	2
1-1/8" x 1-1/2"	Dart Holder	22-3/4"	1
5/8"	Back Boards	25"	As Needed
5/8"	Door Boards	As Needed	As Needed
5/8"	Door Stiles	AS Needed	4

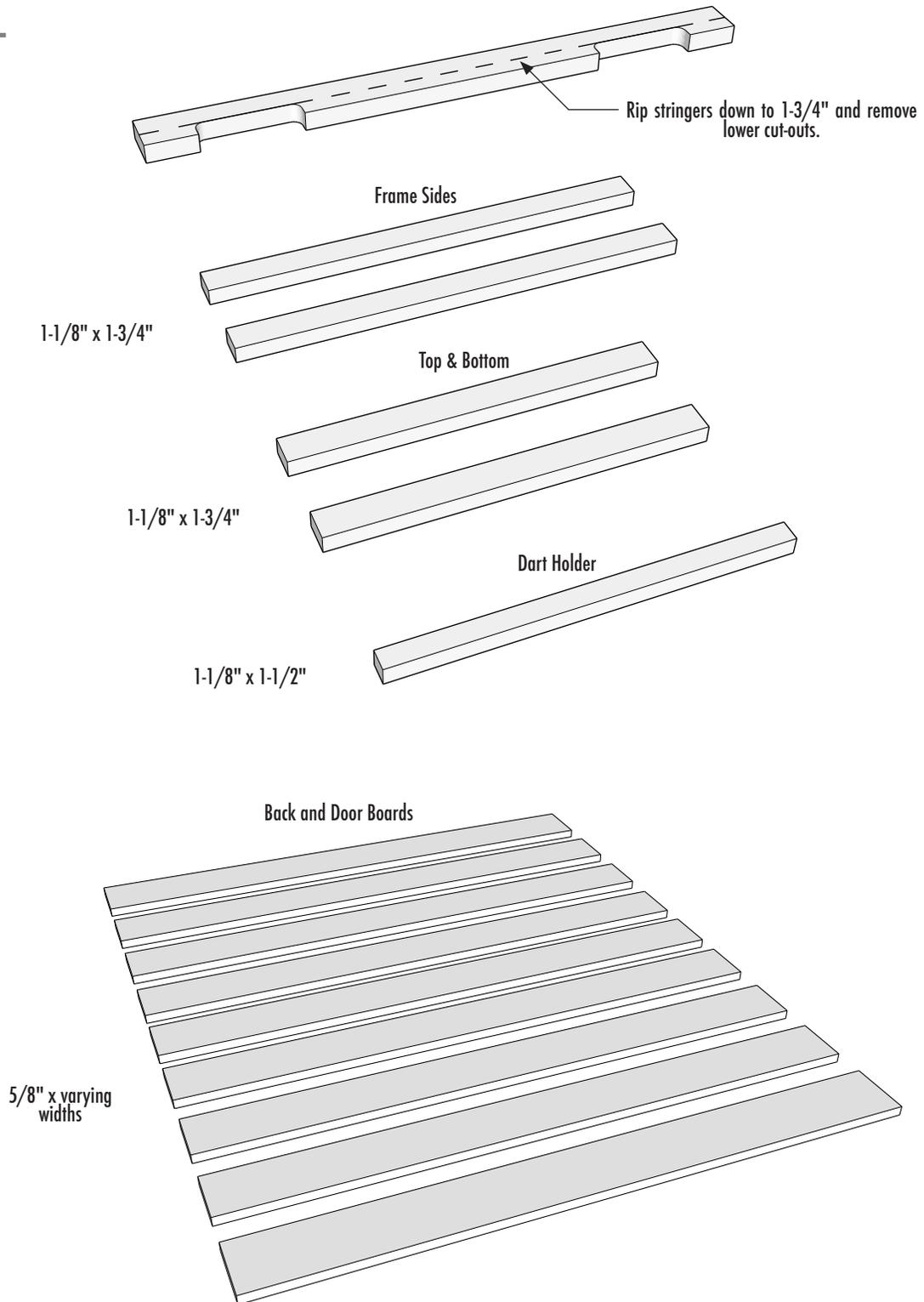
*Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

Lumber & Sheet Layout Guide



Lumber & Sheet Cut Layout Guide

Boards



Tip - ALL NAILS SHOULD BE REMOVED WITH A PRY BAR BEFORE ANY POWER TOOL WORK IS DONE.

Assembly Instructions

Step 1



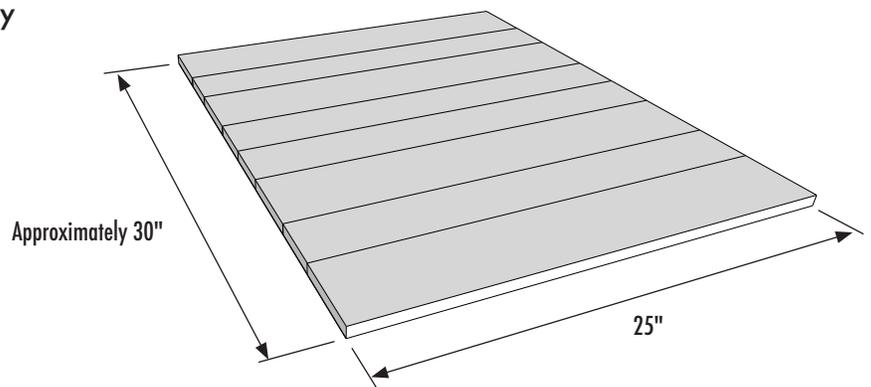
Cut out all material using the Lumber & Sheet Cut Layout Guide.

We recommend pre-sanding boards with a 60-grit sanding disc as needed during the cutting and assembly of project. This will remove any undesired rough areas on the case.

Step 2



Cut pallet slats to 25" in length. Place pallet slats side by side until they measure approximately 30" tall.

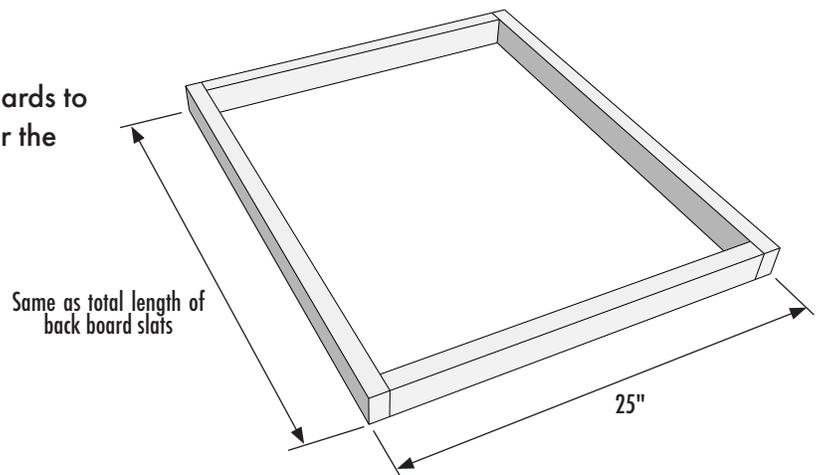


Step 3



Next, create a frame. Measure the height of the structure created in Step 2 and cut (2) frame boards to that length. Then cut (2) frame boards to 25" for the width.

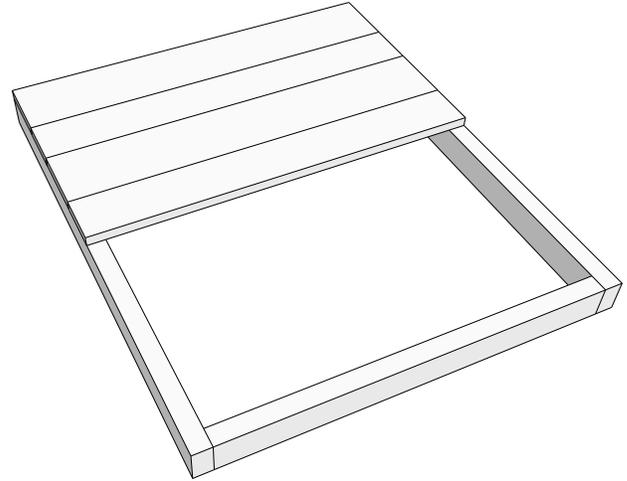
Attach frame boards with 2" brad nails.



Step 4



Attach pallet slats with 1-1/4" brad nails.



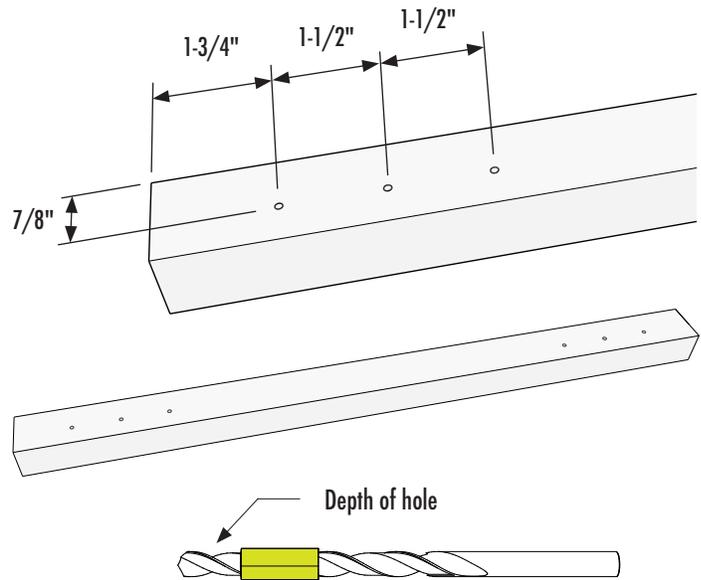
Step 5



Measure and mark (3) points on each end of the dart holder board. Use the measurements in the diagram and be sure to mark points on the 1-1/2" side of the board.

Using a 3/32" drill bit, drill (6) holes 3/4" deep.

Tip - Wrap masking tape to set the depth of the hole. When the tape meets the wood, stop drilling.

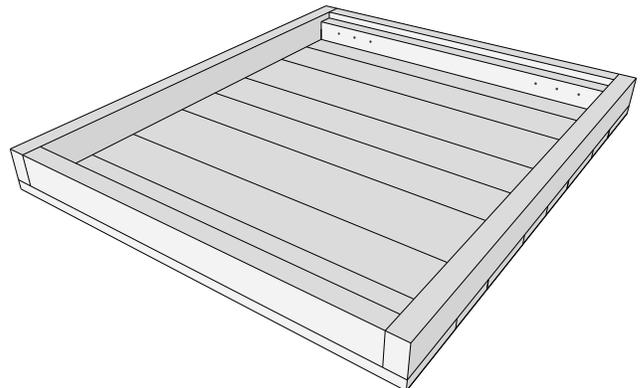


Step 6



Install the dart holder board to the inside bottom of the case.

Attach with 2" brad nails. Insert nails from the bottom.



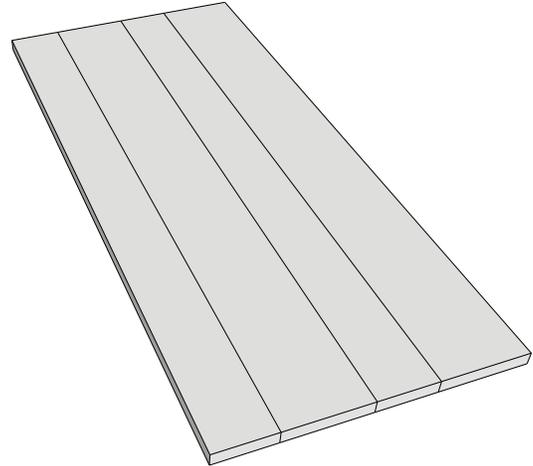
Step 7



Cut door slats to match the height of the case.

Align door slats side by side to cover half of the width of the case.

Repeat to create the 2nd door.

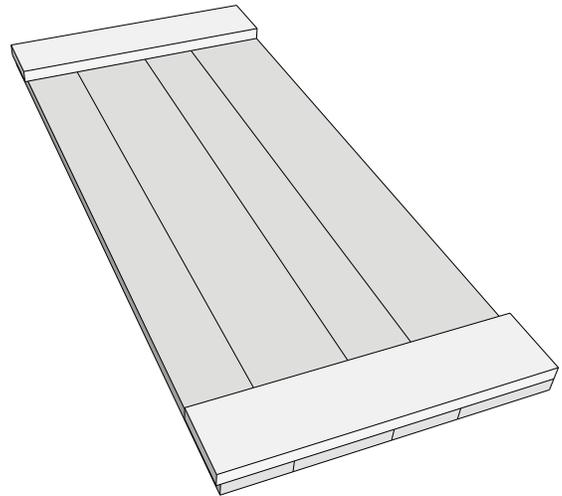


Step 8



Cut door stiles to match the door widths. Place stiles on the front at the top and bottom.

Attach stiles using 3/4" brad nails.

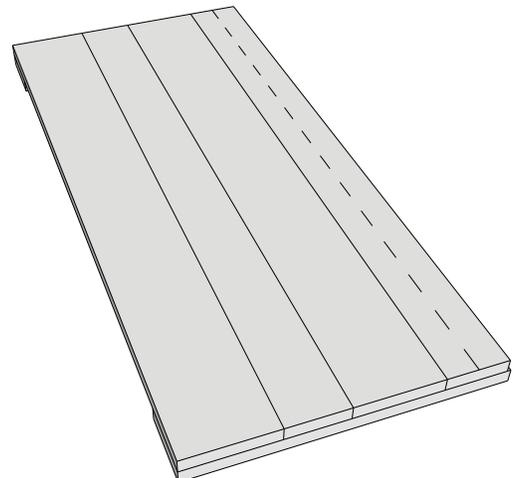


Step 9



The actual door width will be 1/16" less than one half of the dart board case width.

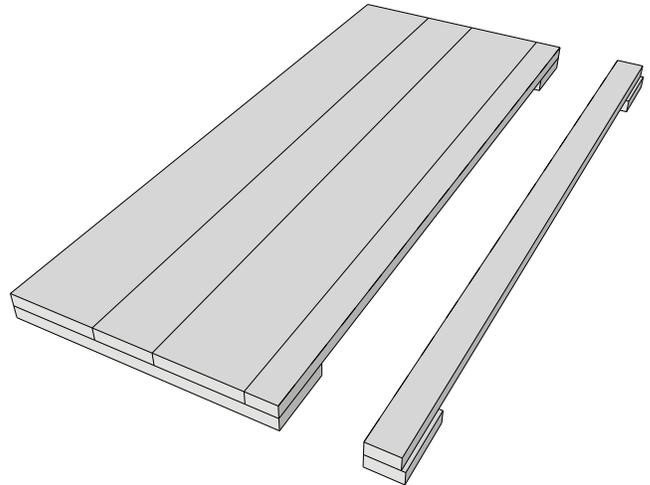
Mark on each door.



Step 10



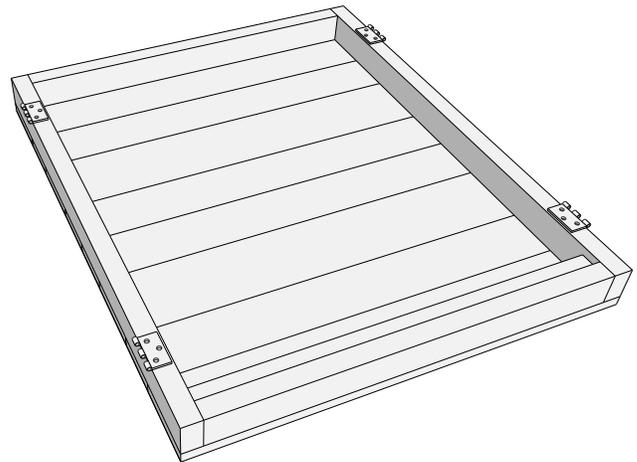
Set up a fence on the door and cut each one down to actual size.



Step 11



Attach hinges to the case with screws approximately 3" from each end.

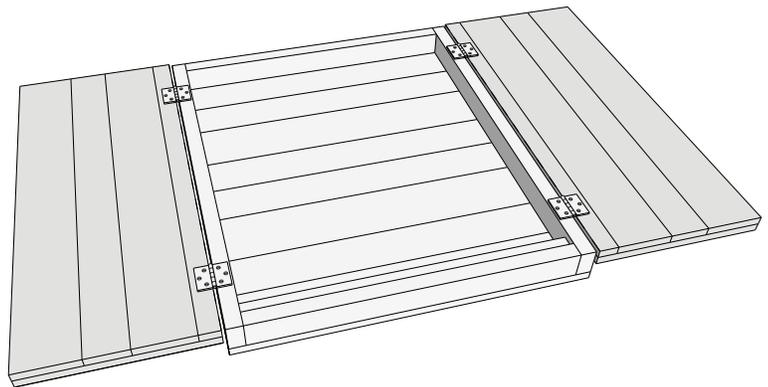


Step 12



Align the top and bottom of the doors. Make sure there is a small gap between the doors when they are closed.

Connect to the hinges.

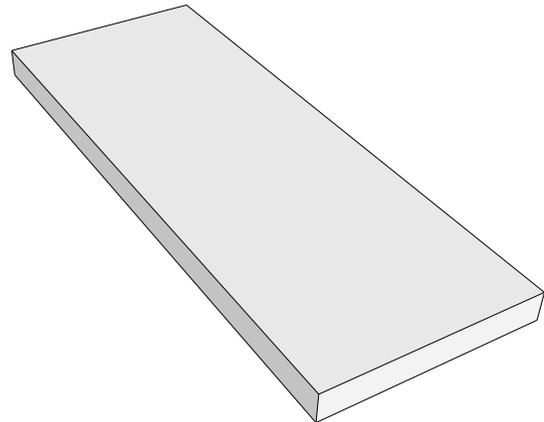


Step 13



Cut (1) slat down to 14" in length and sand smooth.

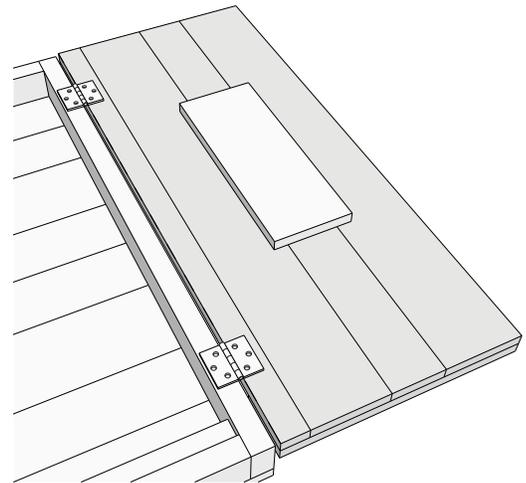
Paint the top surface with chalk paint.



Step 14



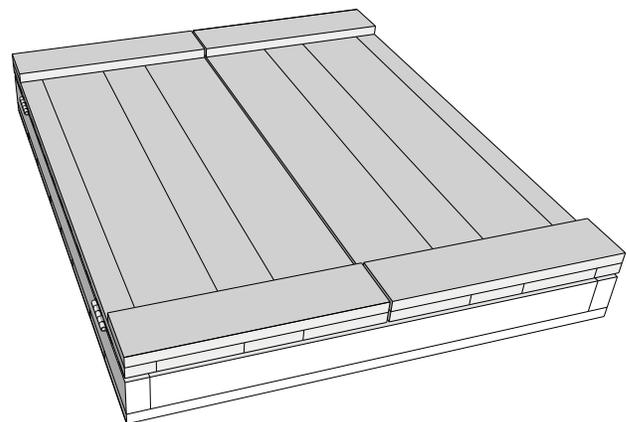
Attach the score board to the inside of (1) door using 3/4" brad nails.



Step 15



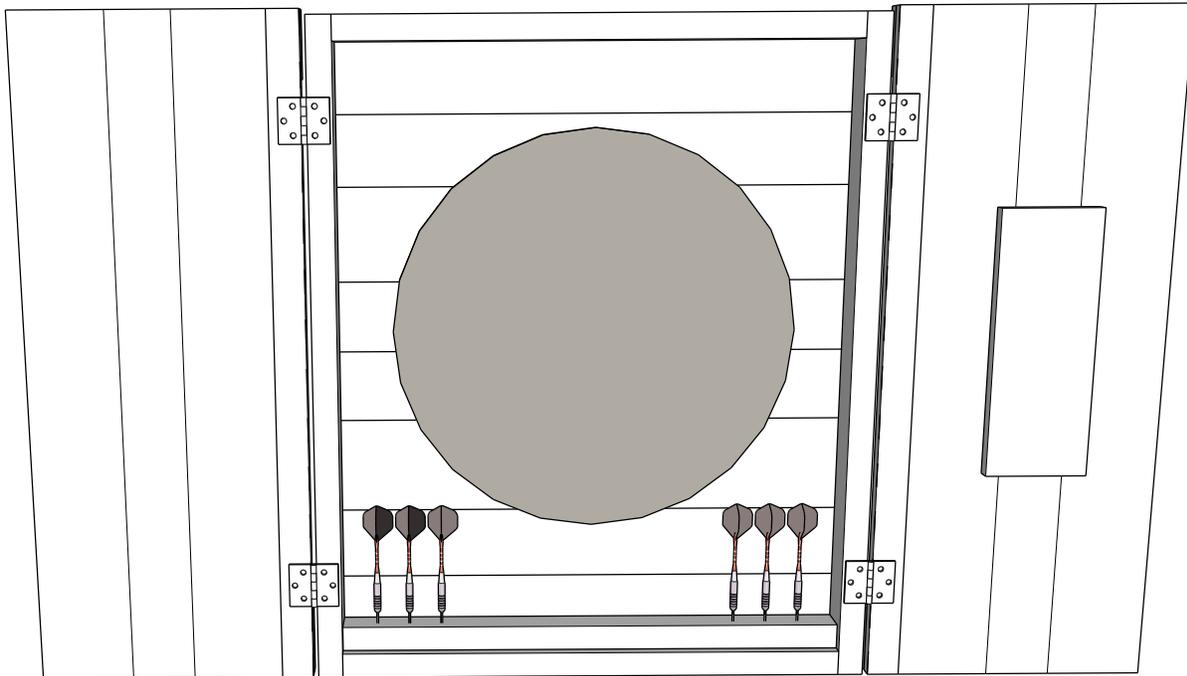
Sand and finish to your desire.



Step 16

Install dart boards and add darts.

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