



Tealight Holder

# PROJECT PLANS

**Finished Dimensions:** 5"W x 7"H x 2-1/2"D

**Skill Level:** Beginner

# Materials

Item	Qty
1" x 3"x 8' Board*	1
1-1/4"x 23-Gauge Collated Pin Nails	1 Box
1-1/2" Forstner Bit	1
Tealights	2
Sandpaper** : 150g, 220g & 320g	
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



7-1/4" Sliding Compound Miter Saw



Jig Saw



Drill Press



Drill/Driver



23GA Pin Nailer



5" Random Orbit Sander



Tape Measure



5" Orbit Sandpaper

Also Needed: Safety Glasses, Speed Square and Clamps

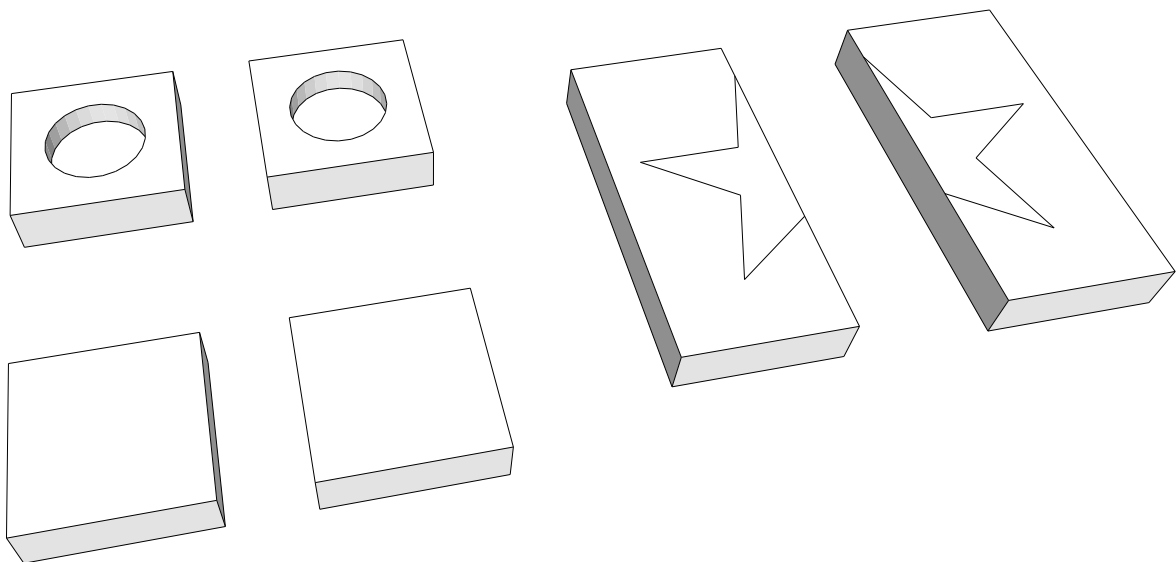
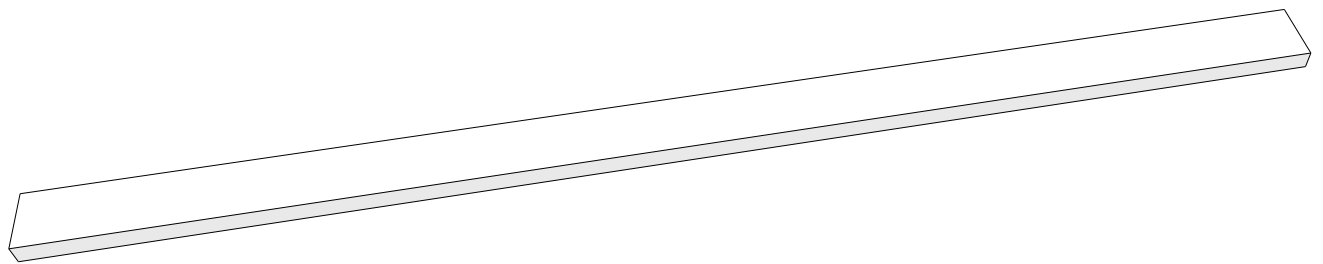
# Lumber Cut List

Board*	Description	Cut to	Qty
1" x 3"	Top Tealight Holder	2-1/2"	2
1" x 3"	Base Boards	2-1/2"	2
1" x 4"	Star Panels	5-1/2"	2

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

# Lumber & Sheet Layout Guide

1" x 3"



# Assembly Instructions

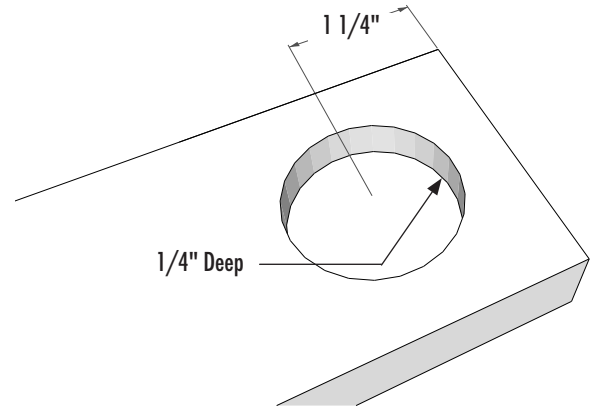
## Step 1



Measure 1-1/4" from one end of 1"x 3" boards. Then find center and mark for a drill point.

Using a Drill Press and a 1-1/4" forstner bit, drill down 1/4".

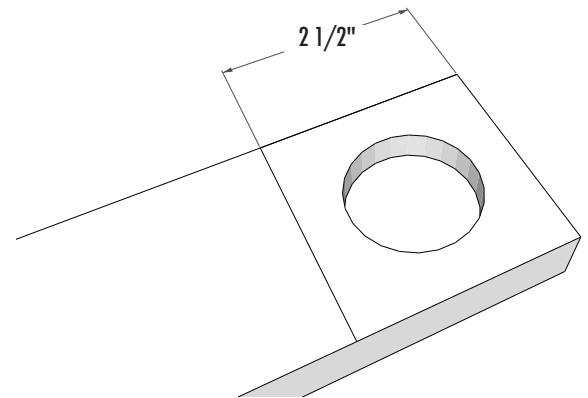
Some initial sanding can be done after cutting the boards and panels. Sanding pieces prior to building can make the process easier before final assembly. Refer to last page for sanding information.



## Step 2



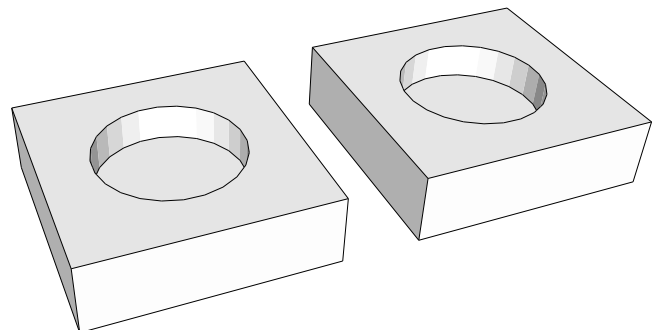
Measure over 2-1/2" from end of board and cut.



## Step 3



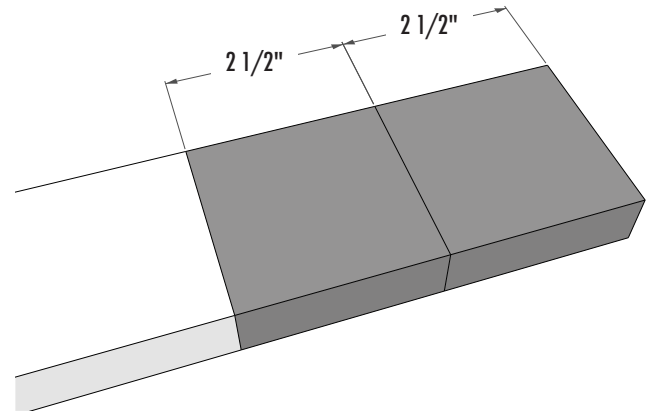
Repeat Steps 1&2, then cut and sand.



### Step 4



Cut pieces that are 2-1/2" long.



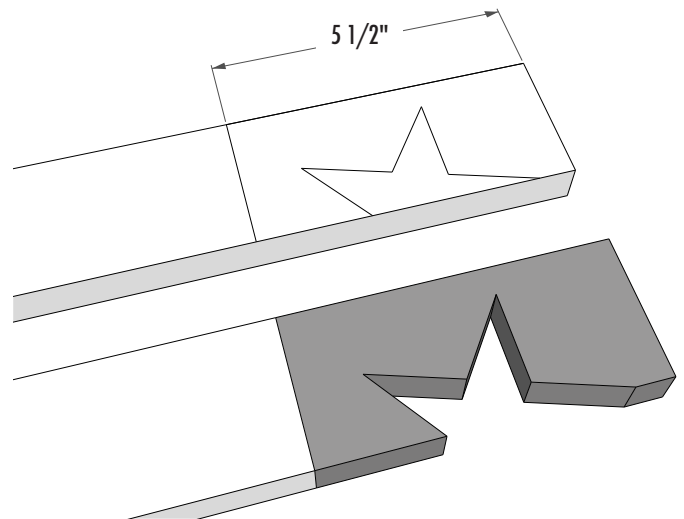
### Step 5



Measure over 5-1/2" from end and mark.

Draw one half of a star, centered in between end mark. As shown in diagram.

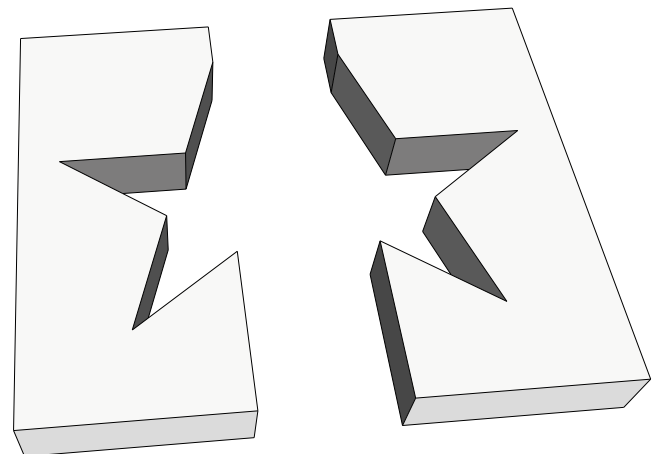
Cut inside of star pattern out using Jig Saw.



### Step 6



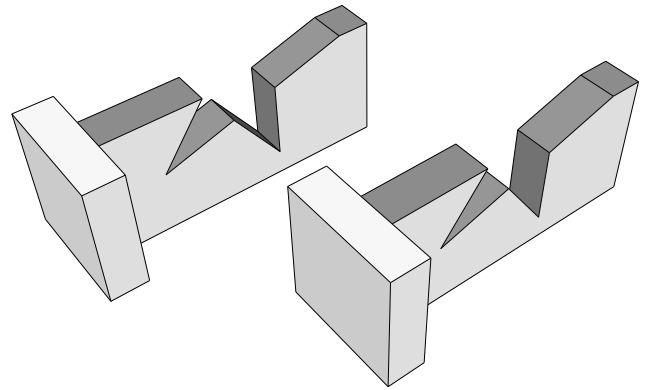
Repeat Step 5 to make other half of star.



## Step 7

Align and center base board to star panels.

Attach with glue and pin nails.

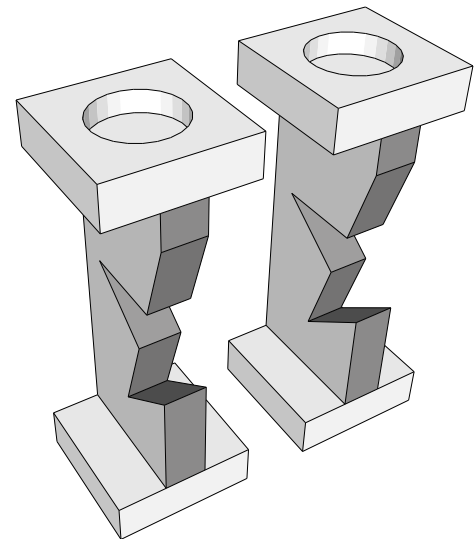


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## Step 8

Align and center top tealight holders to star panels.

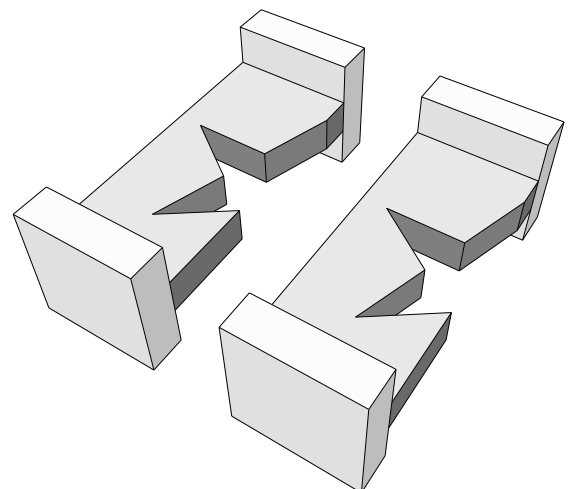
Attach with glue and pin nails.



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## Step 9

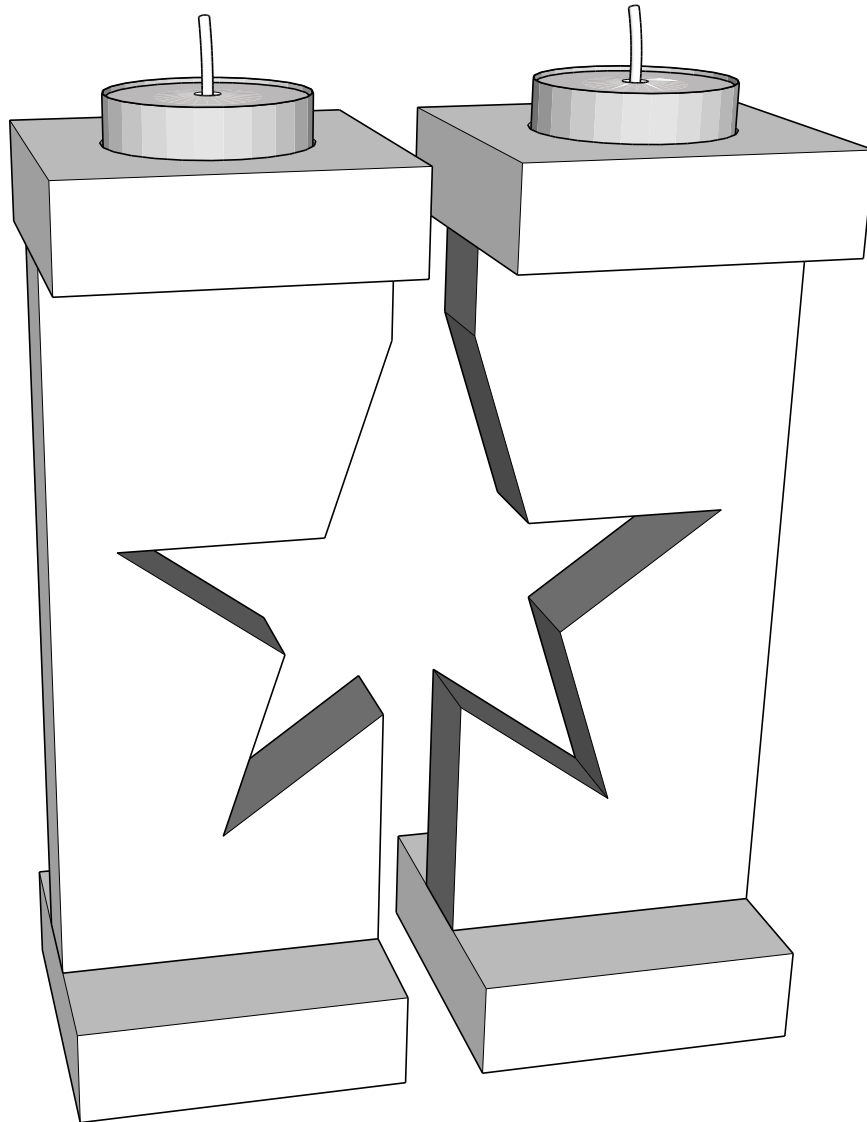
Sand and Finish to your desire.



## Step 10

Add tealights to holders.

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

