


I started with pieces 5" x 8"
Make router template and screw onto piece so that screws
holes are out side the actual finished piece



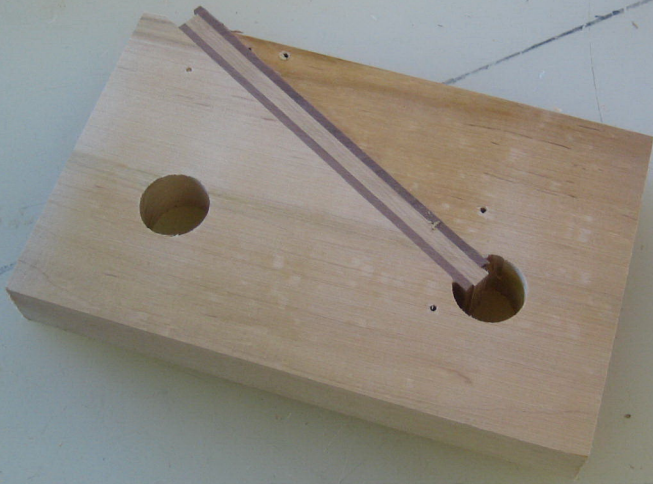
Draw lines with a dull pencil and cut the rough slot on the band saw with or without the template attached.



Route out slot using a pattern bit

I used a 5/16 pattern bit for the finished 1/2" slot.
by using this bit I was sure the bit would not cut on both sides
at once.





I have glued in the 3 strips tthat total 1/2"
I used 2 clamps not shown



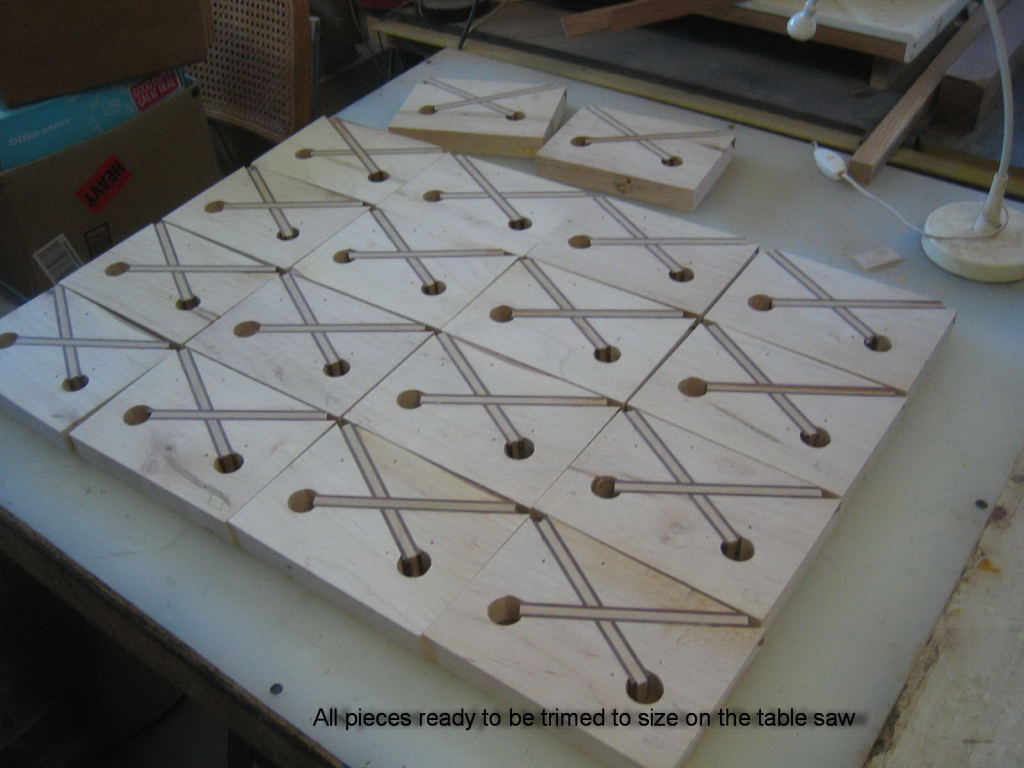
I sand the blocks flush after gluing in the first set of strips.



Flip the block and do the same process for the second set of strips
the pattern is centered on the block



Sand both sides Flat



All pieces ready to be trimmed to size on the table saw

This is the secret to making all the blocks to line up on the sled set up a piece of angle whos edge is $\frac{1}{2}$ the distance of the segment length from the blade.

I uset a punch mark to better see the center of the intersection. I am not cutting the angle at this time.



Now cut the block using the fence to the exact segment length.



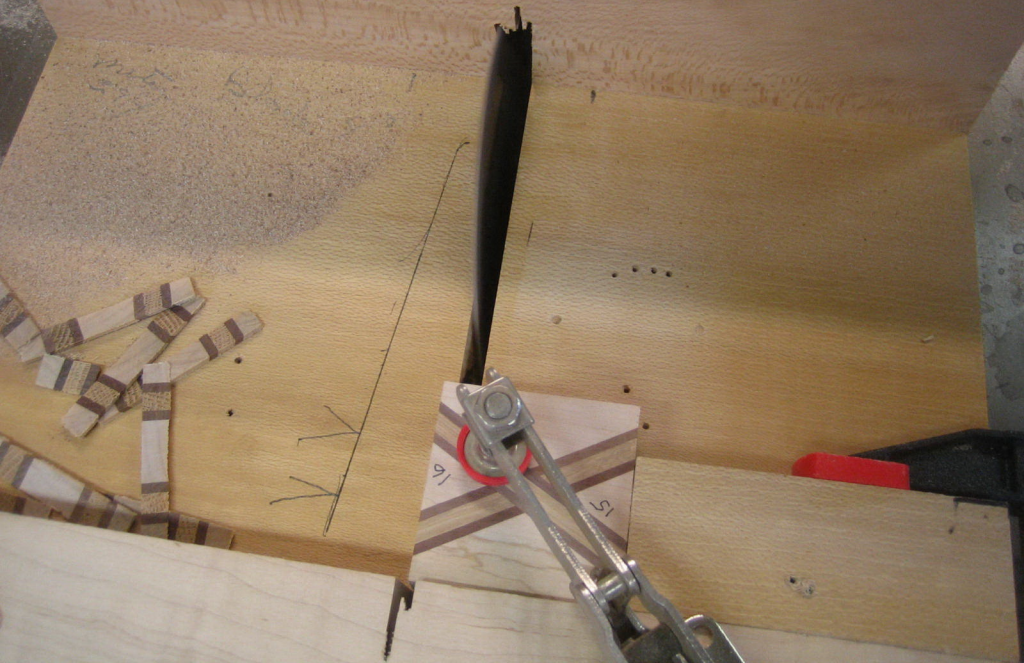
I match all blocks up for the best possible alignment and mark them as shown no angle cut yet.

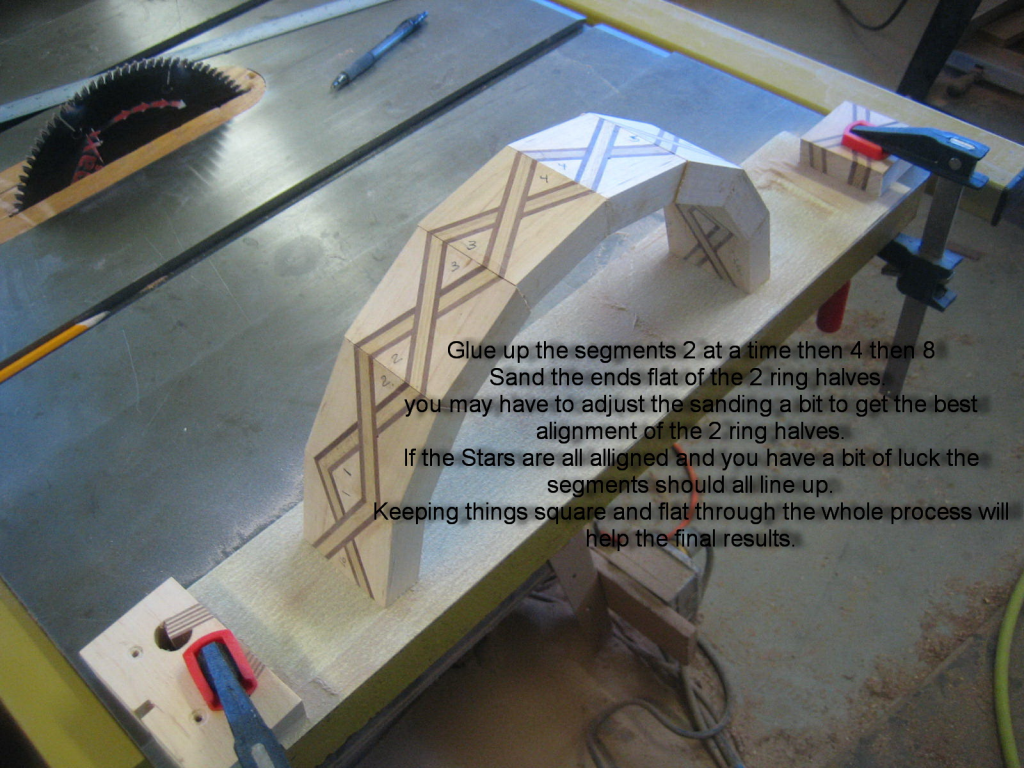


Using a sled and the blade tilted to the proper angle I cut the angle being sure to be just shy of the top edge if there is a little flat it will all be turned of later.



Turn the block and cut the second angle using the same setup.





Glue up the segments 2 at a time then 4 then 8

Sand the ends flat of the 2 ring halves.

you may have to adjust the sanding a bit to get the best alignment of the 2 ring halves.

If the Stars are all aligned and you have a bit of luck the segments should all line up.

Keeping things square and flat through the whole process will help the final results.