



# SERVING TRAY PROCEDURE

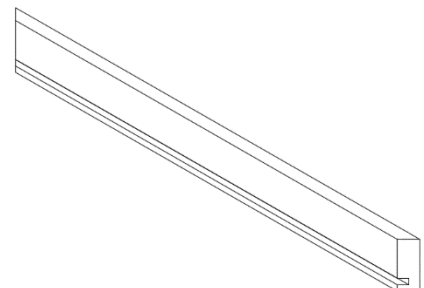
Name: \_\_\_\_\_

## Sides/Ends

1. Break out                      SIDES                      2 pieces \_\_\_\_\_ thick, by \_\_\_\_\_ wide by \_\_\_\_\_ long  
   ENDS                      2 pieces \_\_\_\_\_ thick, by \_\_\_\_\_ wide by \_\_\_\_\_ long

- layout pieces on rough stock
- get approval from instructor BEFORE cutting

2. Cut to rough length on mitre saw of \_\_\_\_\_ long and \_\_\_\_\_ long
3. Joint a **Face Side AND face Edge** on all the pieces - mark them
4. Plane all pieces to the finished thickness of \_\_\_\_\_ (Face side DOWN!)
5. Rip the SIDE pieces to final WIDTH of \_\_\_\_\_ on the Table Saw
6. Rip the END pieces to final WIDTH of \_\_\_\_\_ on the Table Saw
7. Cut a 1/8" dado on the table saw that is \_\_\_\_\_ deep and \_\_\_\_\_ up from the bottom to create the slot for the plywood bottom to eventually slot into.
8. Alternate to STEP #6 – cut a 1/8" or 1/4" dado on the Router that is \_\_\_\_\_ deep and \_\_\_\_\_ up from the bottom to create the slot for the plywood bottom to eventually slot into.
9. ON THE END PIECES – Trace out the design with a curve and handle holes
10. Layout, then drill the holes for the handles on the end pieces with a \_\_\_\_\_ size drill bit. Then use a scroll saw to cut and connect them.
11. Cleanup handle hoes with the spindle sander
12. Bandsaw the outside shape staying away from the lines, then belt and spindle sand to the finished shape.
13. Set the Mitre Saw to 45° and cut one end on a 45° angle. **MAKE SURE YOU CUT THE CORRECT WAY!!!** Check for 90° square with a try-square. See below.
14. Set a "Stop" at \_\_\_\_\_ and make the second cut to complete your first piece. **MAKE SURE YOU CUT THE CORRECT WAY!!** Repeat the process for 2<sup>nd</sup> piece.



15. Set a "Stop" at \_\_\_\_\_ and make the 3<sup>rd</sup> and 4<sup>th</sup> pieces. **MAKE SURE YOU CUT THE CORRECT WAY!!**
16. Using a band clamp, **DRY CLAMP** the box together to make sure it fits and the corners are tight. **DO NOT GLUE TOGETHER AT THIS POINT!**
17. Router the Edges round (DO NOT router the 45<sup>o</sup> corner!!)
18. Sand the inside of the box all the way to 220 grit. It cannot be done after the box is glued together

### **Assembly of the Tray**

1. Measure and cut a piece of 1/8" plywood for the bottom, Measure the inside (longest part) of the dado of the side and end pieces. This will give you the width and length of the plywood.

The size of the plywood is \_\_\_\_\_ wide x \_\_\_\_\_ Long

2. Acquire a piece of plywood from the plywood rack and cut to size on the Table Saw
3. Using a band clamp, **DRY CLAMP** the tray together again to make sure it fits and the corners are tight.
4. If everything lines up and the fit is good, glue the tray together and then band clamp it. Ensure there is **NOT** too much glue so that it does not ooze into the inside of the tray. Wipe any excess off carefully if there is. Let dry until next class.
5. Remove excess glue from the outside if necessary.
6. Layout the location for the splines.
7. Cut the splines using the spline jig on the table saw. Ensure a backing board is in place so you do not chip out the wood
8. Acquire a piece of material for your splines from the instructor **OR** thickness plane a piece of **SCRAP** wood for the splines and make sure it fits snugly in place.
9. Glue splines in place and let dry, then trim down the splines using a Bandsaw, handsaw, block plane and/or sand smooth.
10. Sand the outside of the tray all the way to 220 grit.
11. Finish the project with a water-based stain (3 coats).
12. Submit for marking