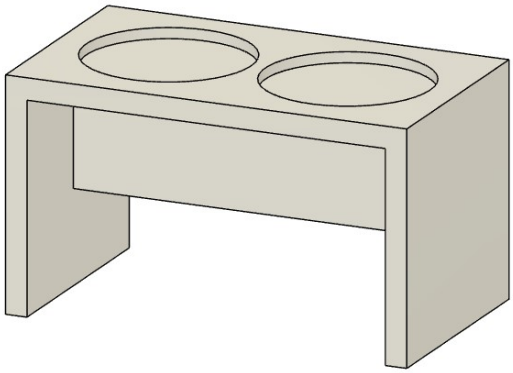
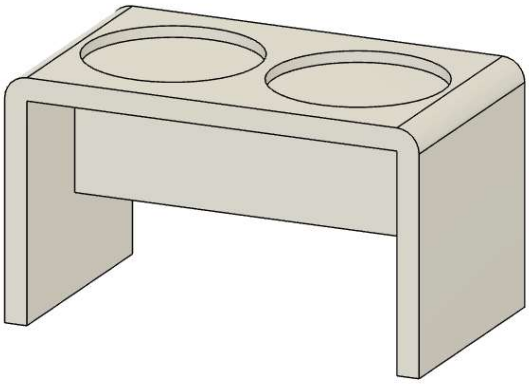
Mini Waterfall Island – Raised Pet Food Dish Holder

Build Plan – V1 – 04/2022

https://HuntsWorkshop.com





Introduction

This Plan will produce a 14”-W x 8”-H x 8”-D Raised Pet Food Dish Holder with a waterfall edge and 2 recessed circles to accommodate 2 feeding bowls. You can adjust the dimensions of this project very easily to meet the needs of your pet’s comfortable eating height. The goal is to produce a decorative piece that is also ergonomic and reduce strain on the pet’s body during feeding.

Videos

Build Video is available on YouTube. https://YouTube.com/c/HuntsWorkshop

Tools

- Table Saw (Substitutes: Track Saw, Miter Saw, Circular Saw, Jigsaw)
- Router
- 2x 90 Degree Angle Clamps
- 2+ 24” Clamps

Materials

- 1”x10”x48” Hard Maple (Substitute any Species you prefer) | Qty: 1
- Water Based Enamel Paint (Enamel will be impact and Water Resistant)

Cut List

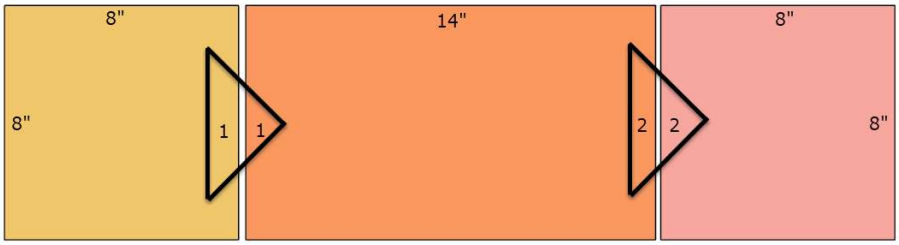
*Note: If using Table Saw, Flip board over between cuts and reset the edge bevel direction (aka remove a small triangle from the end).

Cuts are in order to create a waterfall effect.

- Rip Cut | 8.0” Width | Qty: 1
- Crosscut Side 1 | 8.0” | Qty: 1
- Crosscut Top | 14” | Qty: 1
- Crosscut Side 2 | 8.0” | Qty: 1
- There will be 1 additional cut (to an exact fit) in plan.

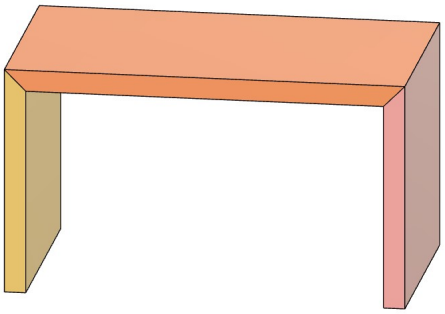
Instructions

1. Lay out Side 1, Top and Side 2 in a straight line with matching grain direction. This is the Top and Outsides you will see facing UP.
2. Put a Triangle over the intersection of Side 1 and Left side of Top.
3. Put a “1” inside the triangle on each piece.
4. Put a Triangle over the intersection of Side 2 and Right side of Top.
5. Put a “2” inside the triangle on each piece.

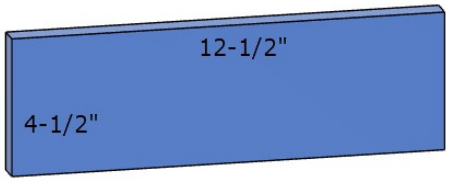


6. Mark 4 bevel cuts using a speed square, being sure the cuts will maintain the waterfall of the grain.
    a. Right End of Side 1
    b. Both Ends of Top
    c. Left End of Side 2
7. Make the 4 Bevel Cuts, being careful to remove as little waste as possible from the **good** face. This helps the waterfall edge look the best.

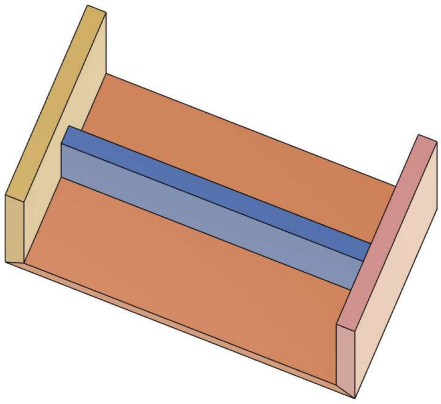
8. Clamp the Top and Sides together with a 90-degree angle clamp.



9. Position this assembly over remaining board and mark both sides for an exact fit. It should be close to 12.5”.
10. Cut this piece down to length
11. Rip down to 4.5” wide

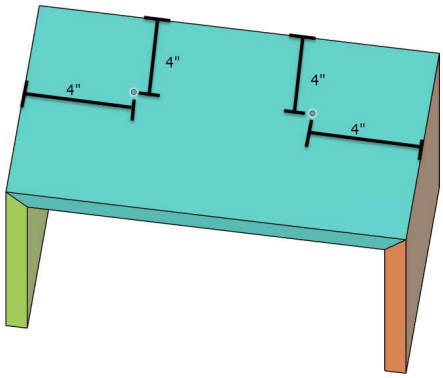


12. Test fit this horizontal support between the 2 sides and tight to the top

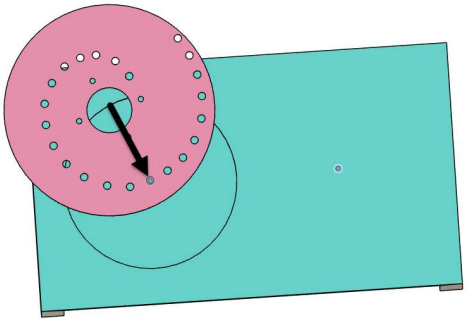


13. Remove Clamps
14. Optional: Create mortises for loose tenons, biscuits, splines, etc. if desired
15. Sand pieces with 80, 120, and 180 grit
16. Glue up in whatever order you desire.
17. Apply clamping force between both sides
18. Apply clamping force between the top and sides
19. Let Glue dry for 2-4 hours

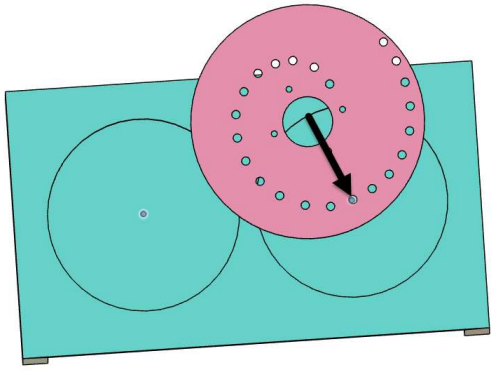
20. Trim the sides to exactly the same length to avoid any rocking (side down on table and top toward fence).
21. Mark the center point of the recessed circles on the top face, 4” from each edge.



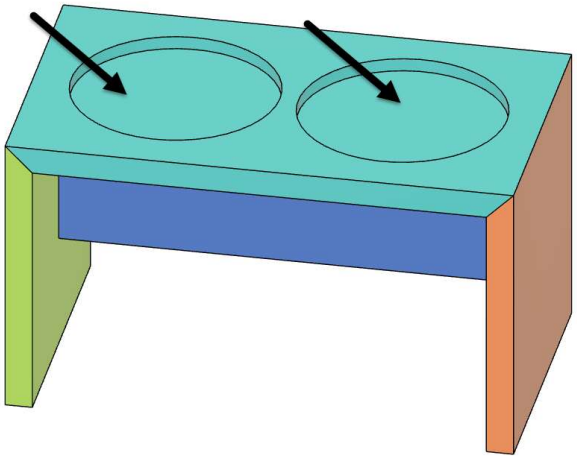
22. Install ¼” Spiral Up cut Bit into Router
23. Measure distance from far side of the router bit and mark the acrylic baseplate at half the diameter of the desired circle
24. Drill small hole in the acrylic baseplate at this location
25. Attach router baseplate to workpiece using a single screw in the hole you drilled and securing it to the center mark of the one of the circles.



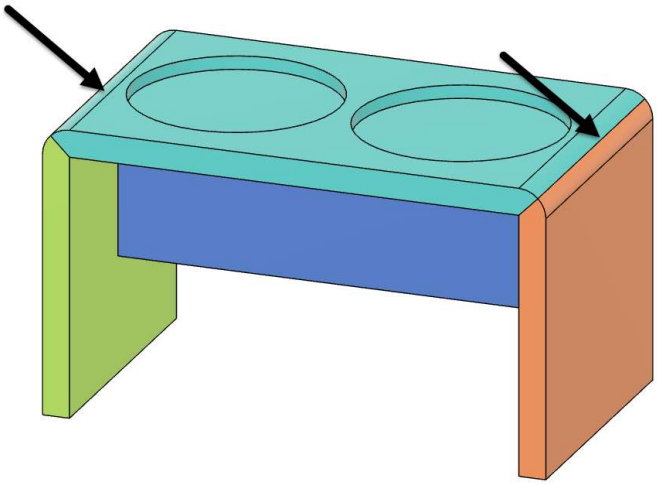
26. Power Router On
27. Slowly plunge to the desired depth
28. Run the router all the way around the circle
29. Power Router Off
30. Raise Router bit above workpiece
31. Remove pivot screw
32. Attach router to the center of the remaining circle
33. Repeat Steps 25-30



34. Optional: Install larger (up-cut, dado, etc.) bit to make the next part go faster
35. Optional: Install a large baseplate on the router to maintain better control over the cutout
36. Continue to route-out the recess inside the outline



37. Optional: Round over both ends of the top with a ¾” round over bit.



38. Lightly finish sand
39. Paint with Water-based Enamel