

CNC Teardrop Cutting File Instructions

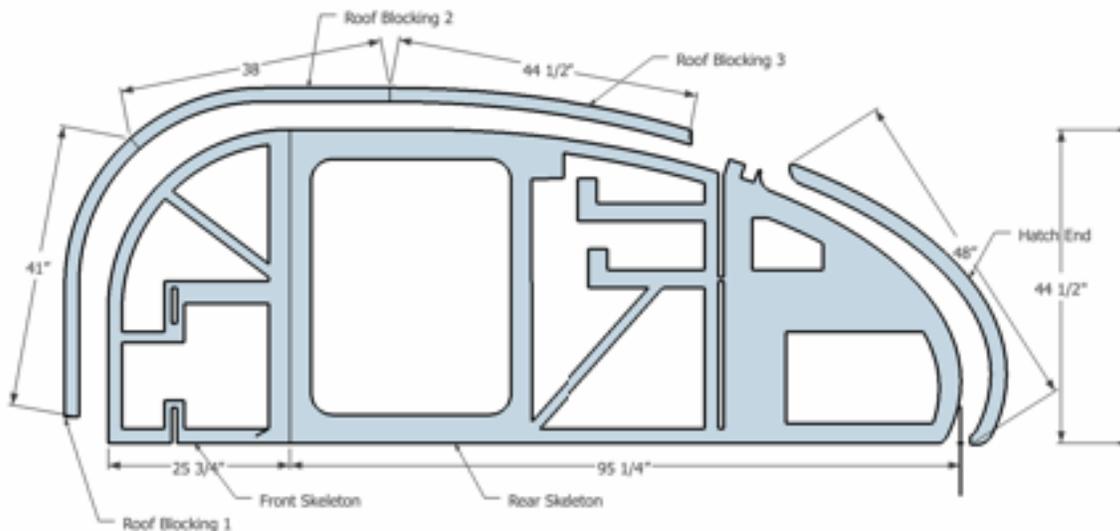
CNC files:

- Skeleton Rear SVG
- Skelton Front SVG
- Ext Skin Front SVG
- Ext Skin Rear SVG
- Roof Blocking 1SVG
- Roof Blocking 2SVG
- Roof Blocking 3SVG
- Galley Lip SVG
- Hatch End SVG

There are numerous other parts that I have not included for CNC machining that are detailed in the book, *Building a Teardrop Trailer: Plans and Methods for Crafting an Heirloom Camper*. I'll let you cut those using traditional shop tools.

The width of the cross members (rear bulkheads and headboards) will depend on the thickness of the exterior skins. I used 1/4" subfloor that measures about .21". If you use 1/4" AC plywood that is an actual .25" these pieces need to be a tiny bit skinnier. Thus I'll let you cut them out on the bench.

I've include the following images with measurements so that you will be able to make sure your plywood piece is big enough for the part.



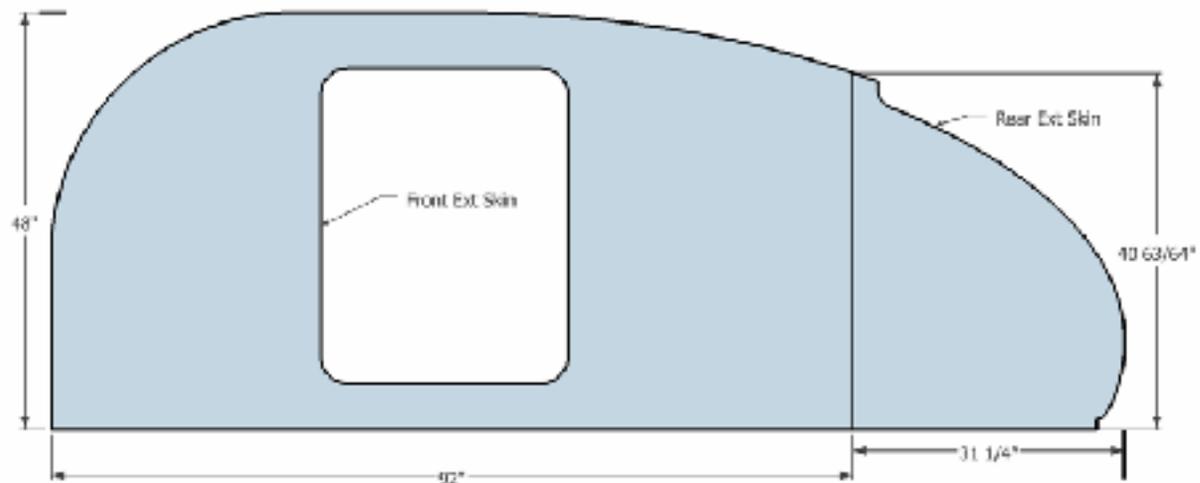
All of these parts are cut from 3/4" plywood. The skeleton pieces are joined using a spline joint cut with a slot bit (with a guide bearing on a hand-held router).

The crossmember dados in both skeleton parts are .72" wide. 3/4" Baltic birch plywood is .70" (18 MM) thick depending on moisture content. If you assembly with PL Premium glue, the joint will be about right. If using 3/4" AC, you'll have to thin it down with a plane and a bit of sanding.

You'll need to add a piece of 1/4" exterior skin to the outside of the hatch ends. Glue and finish trim with a flush-cut router bit.

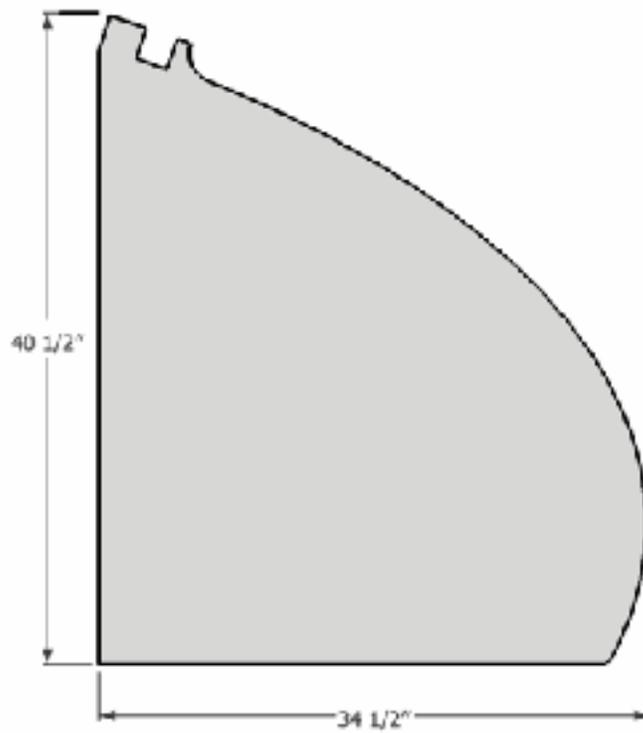
If you are using factory doors, don't cut the door openings. These openings are for creating your own doors.

The skeleton parts take a considerable amount of CNC time. You might consider having the machine cut out the outside edges, door openings, and dados to full depth but only cutting the foam voids about an 1/8". You can then stack the pairs, screw them together and cut the void openings with a jigsaw. That may save some money if you are having these parts commercially cut.



The exterior skin pieces are cut from 1/4" plywood.

The skeleton supports the butt joint of the skin pieces just aft of the bulkhead slots. Make sure you glue the skins on the skeleton as two mirrored images and follow the instructions in the book to have to ensure a proper overhang for the floor and roof.



The galley lip is also cut from 1/4" plywood. Do not attach to the walls until the 1/8" spacer is added. The spacer is glued and flush cut with a router trim bit.