



Study Plans

The Catboat

Hard Chine Version

The Catboat - Hard Chine Version

In the winter of 2012 a very good friend leant me an old copy of Nautical Quarterly.

An article about Catboats caught my attention - I was and still am taken by their beautiful lines.

I decided to design one with the aim of building it in the summer. My intended construction method for the hull was strip planking over frames (some permanent, some as templates), covered with fiberglass cloth bedded in epoxy resin.

..... as seems to happen quite frequently, it didn't happen! Work on the house had to take priority.

Having recently revisited the drawings I decided to offer the design as a set of templates from which an experienced builder could build the hull and add their own design input in the detailed aspects of construction, interior, centerboard, rudder and sail.

So, what's on offer here is simply a set of line drawings that give sufficient information to determine the shape of the hull.

The hull drawing was created in 3D software. I created the hull then, in the x coordinates, I sliced sections 6" apart and in the y and z coordinates, I sliced sections 2" apart. All of these sections are presented as scale drawings on a 2" grid. In addition they are also provided on an Autocad .dwg file.

Having designed a curved hull catboat it seemed worthwhile to offer this hard chine option, for construction from plywood instead of strip planking. To create the panels, I took the curved hull, split it into sections and then re-skinned it in straight sections between the split lines. So, in this version, the flattened hull panels are also presented as scale drawings on a 2" grid.

Clearly, I have provided far more sections than are needed to build a boat but, the amount of information provided should give the builder plenty of scope to make their own choices for locations of permanent and temporary frames.

Because the design exists as a 3D software model, the implementation of scale changes on the x, y and z axes and production of revised section slices is a relatively straightforward task. So, for those seriously interested, I can provide revised hull drawings, scaled as required for a relatively small extra charge.

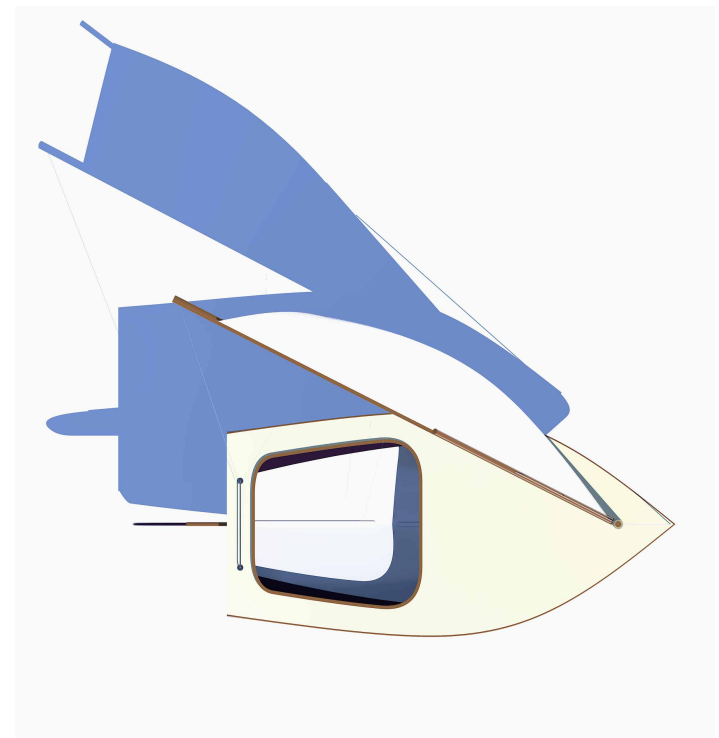
Disclaimer

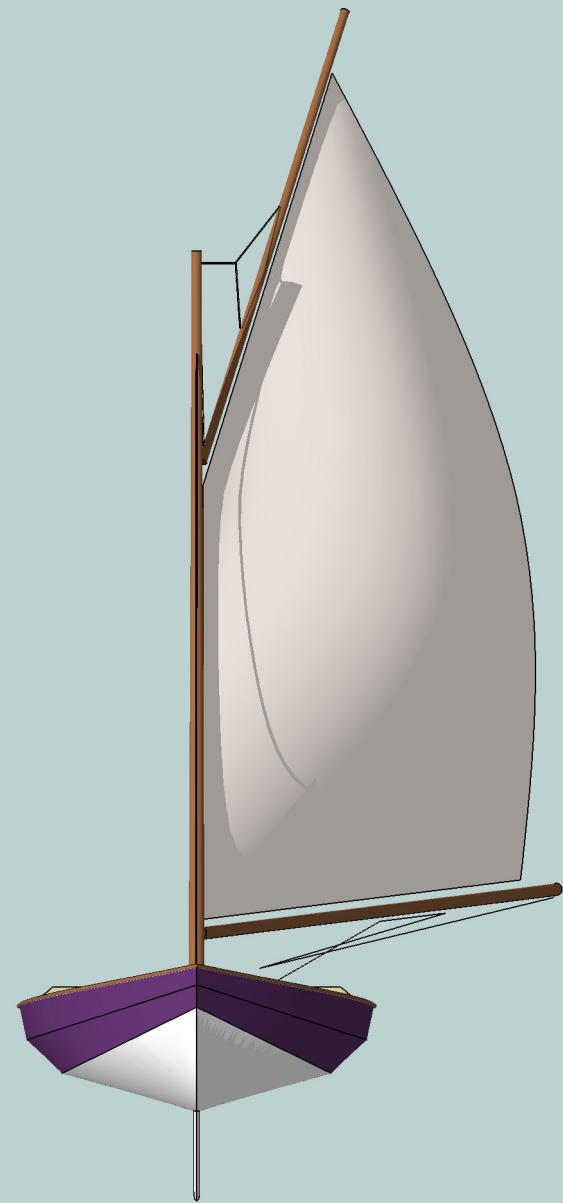
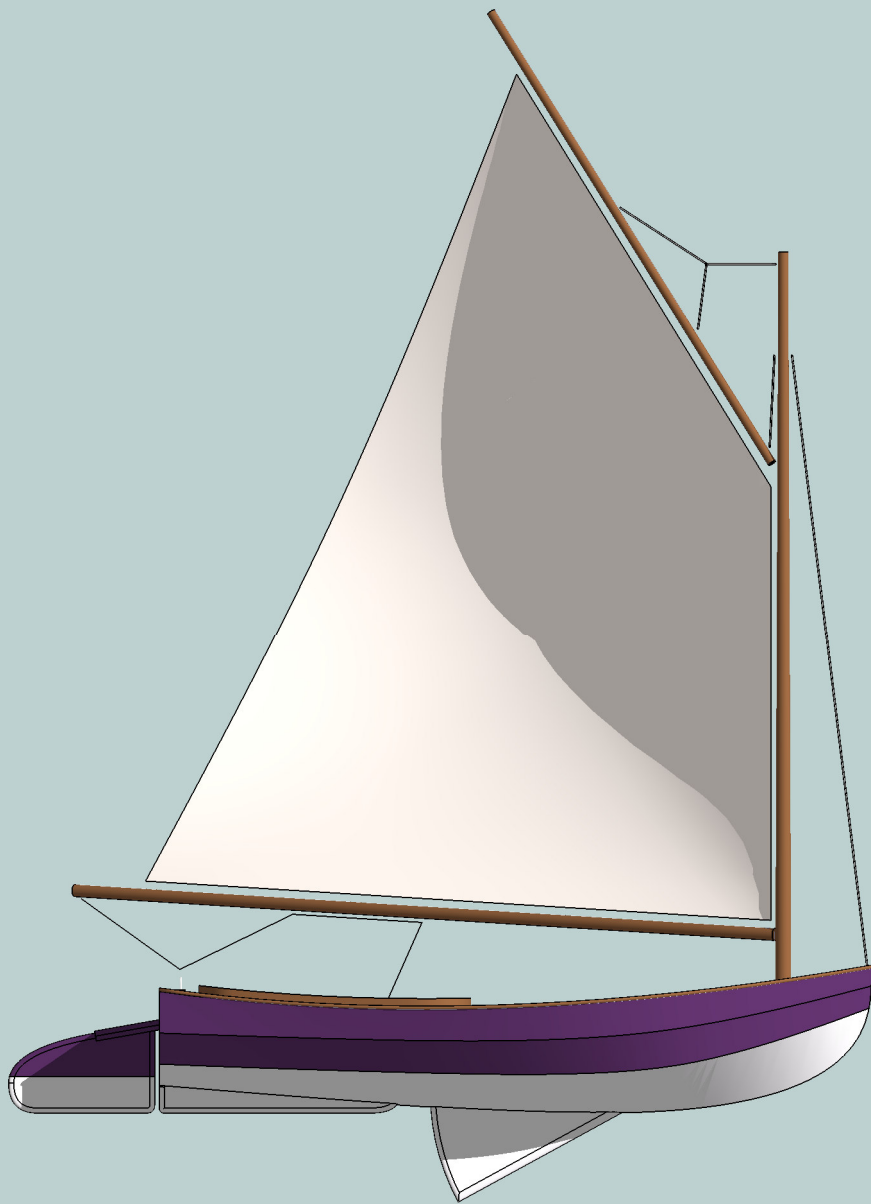
This, and the associated documents provide information to determine the shape of a hull. These are not construction plans and no information is provided for the design of sails, centreboard, rudder and construction detail.

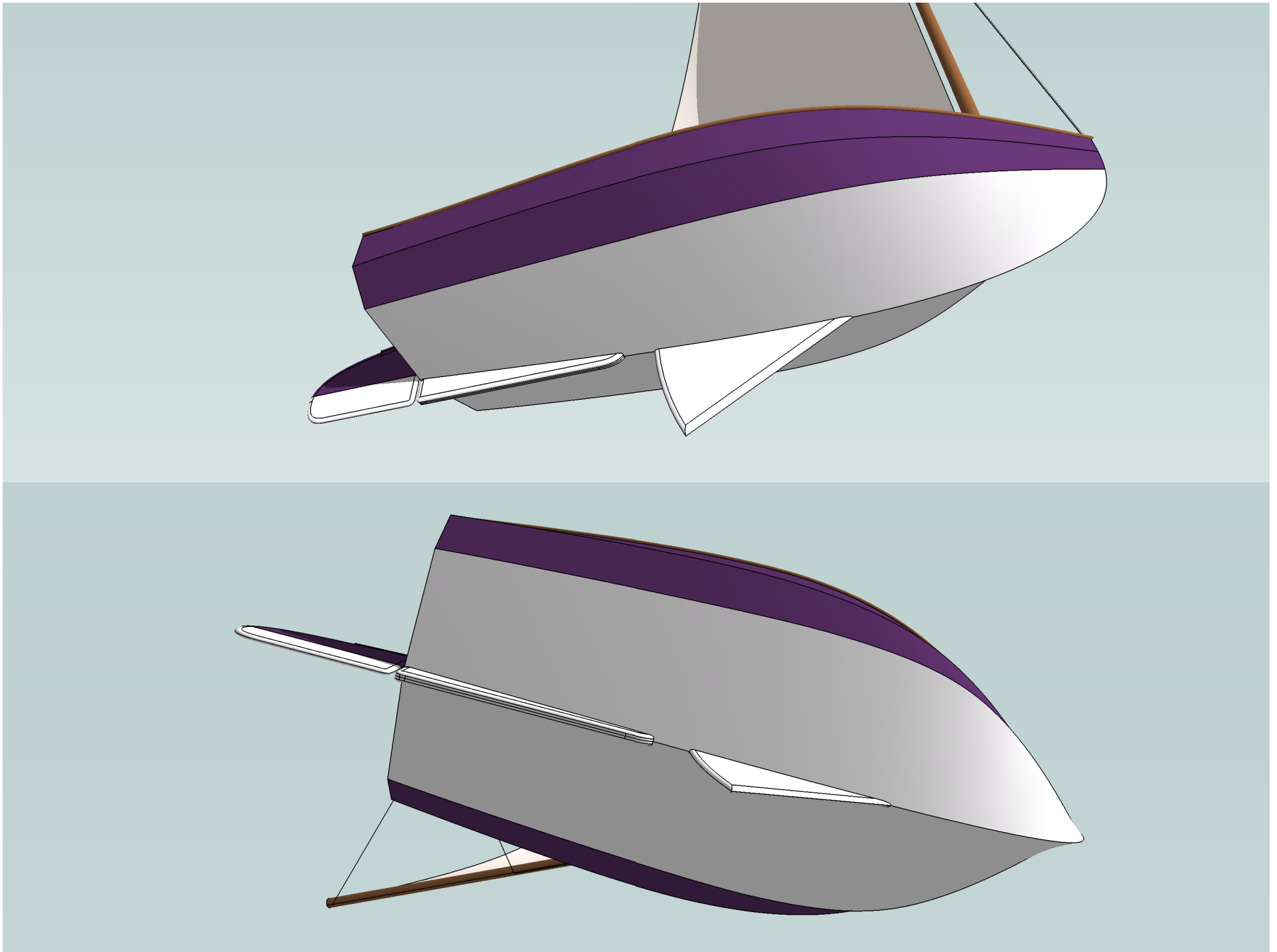
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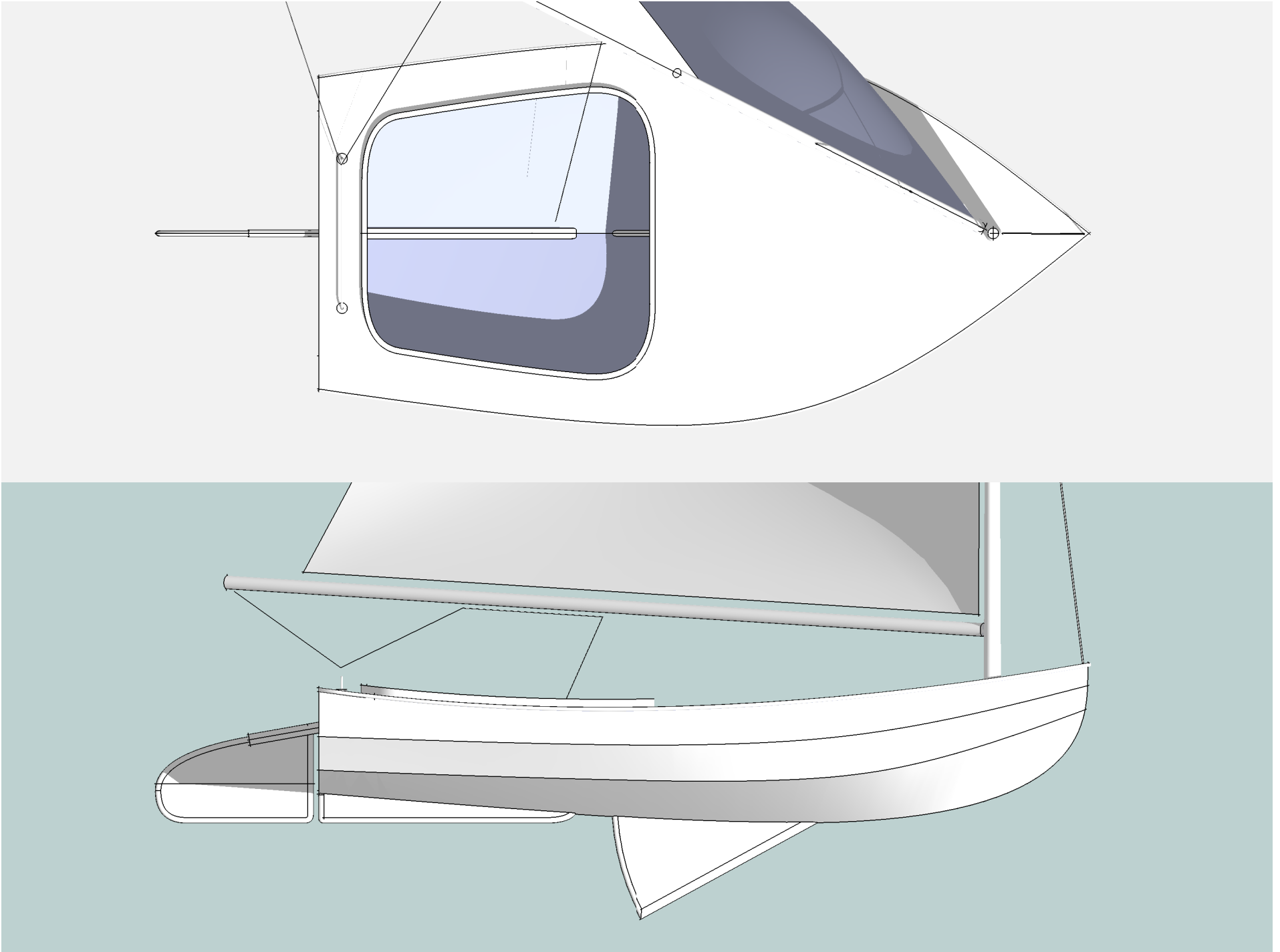
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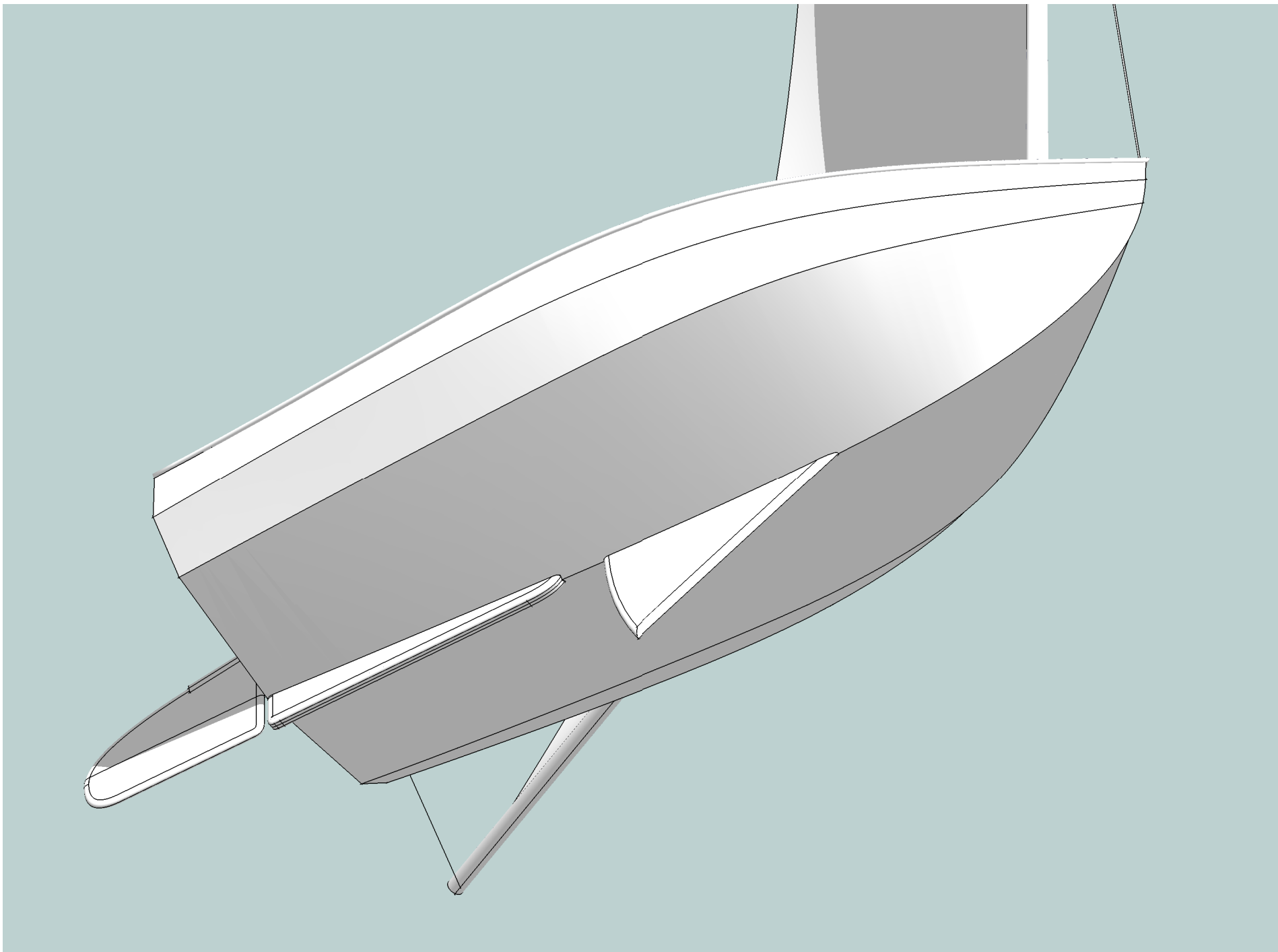
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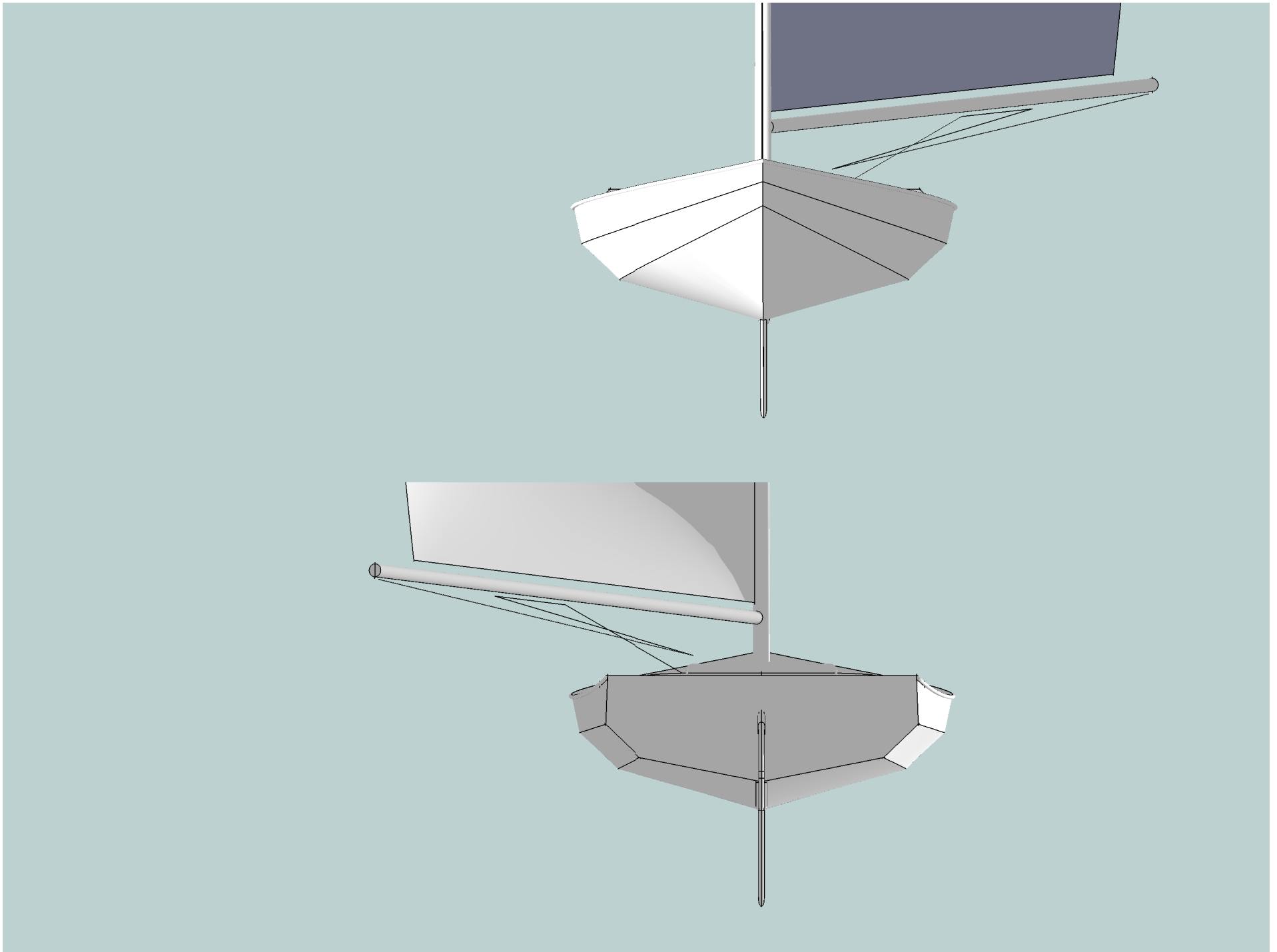


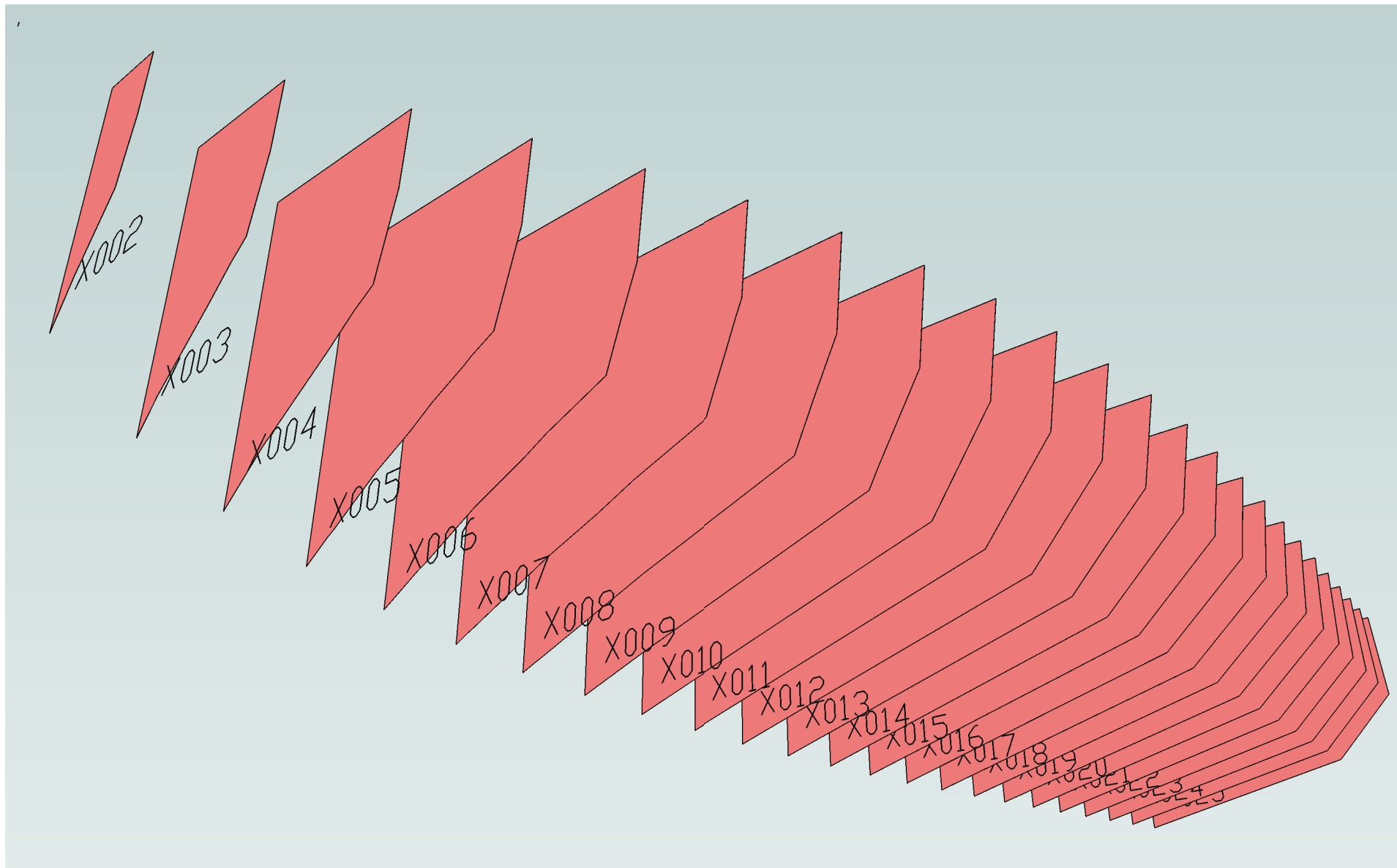




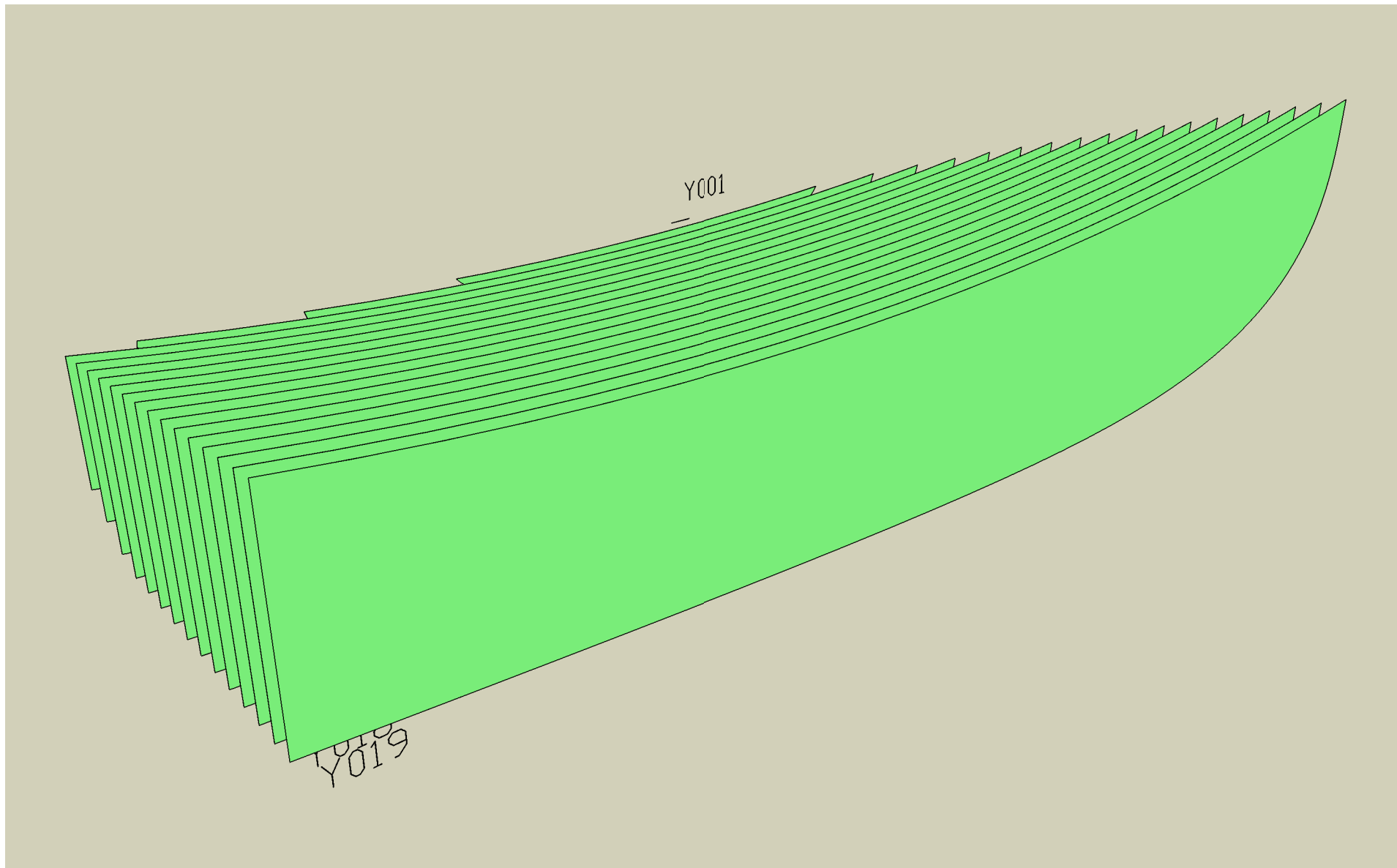




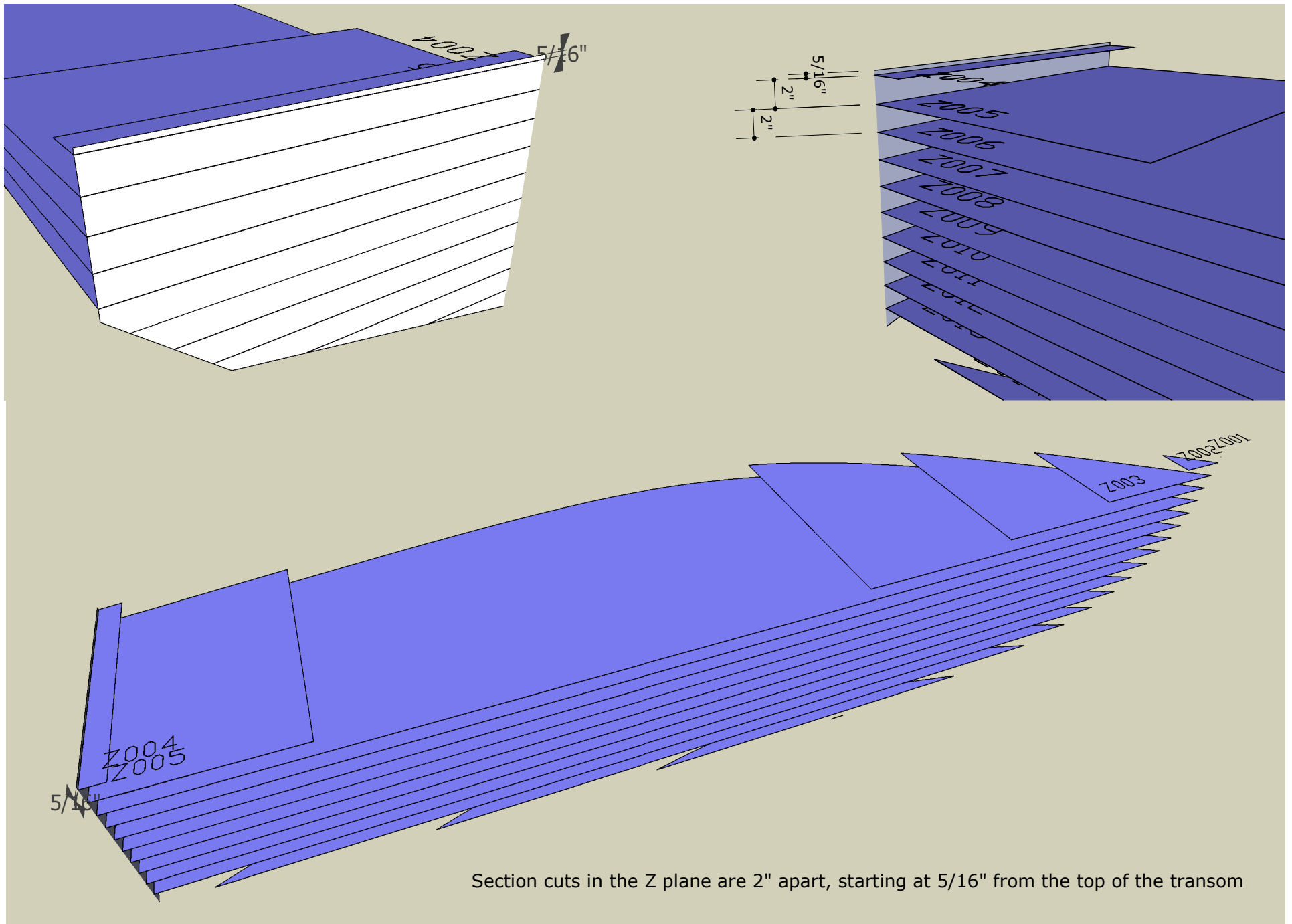


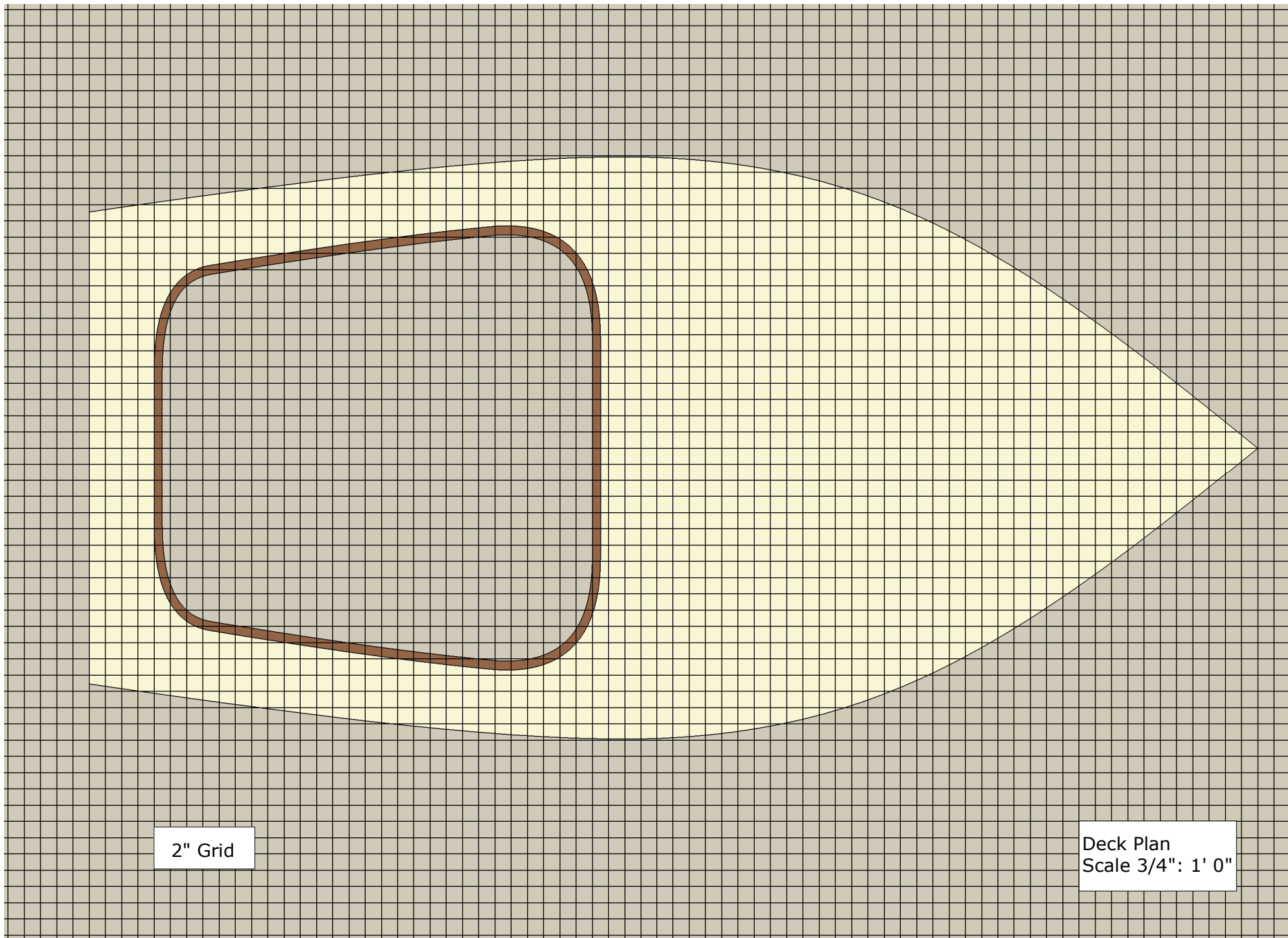


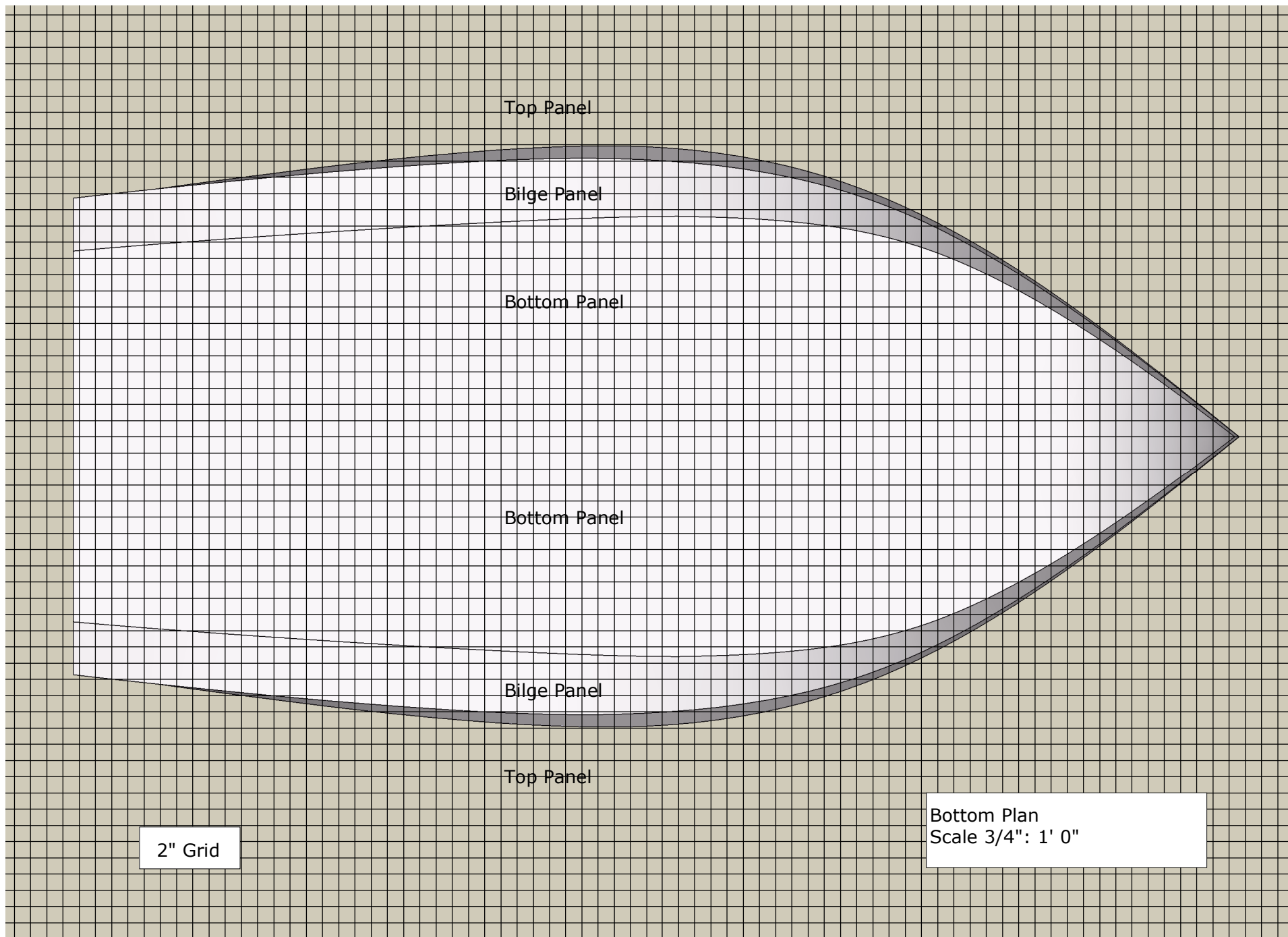
Section cuts in the X plane are 6" apart, starting at the transom

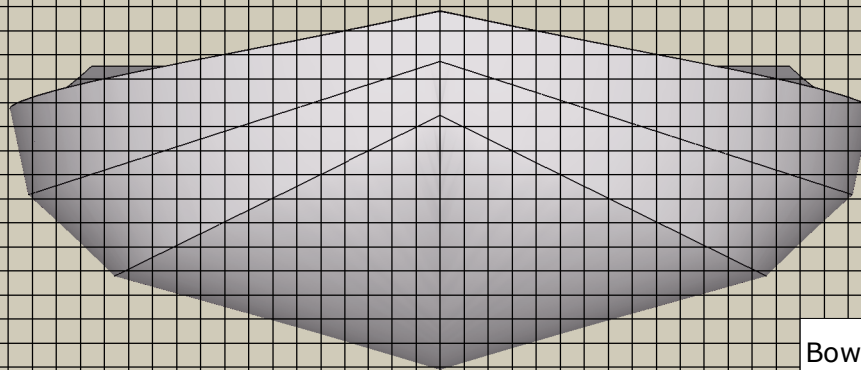
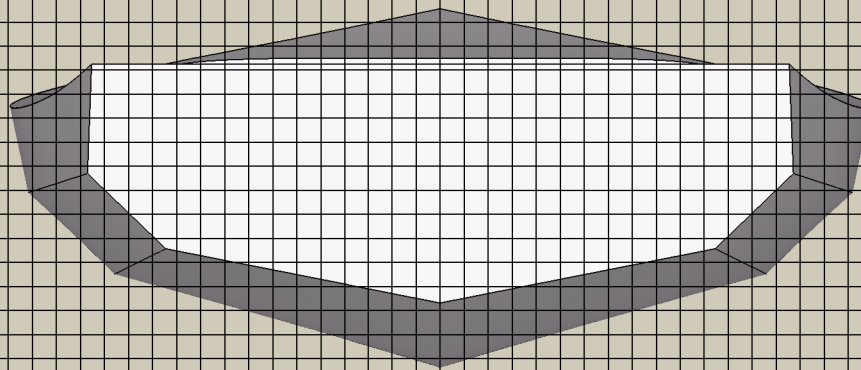


Section cuts in the Y plane are 2" apart, starting at the centerline



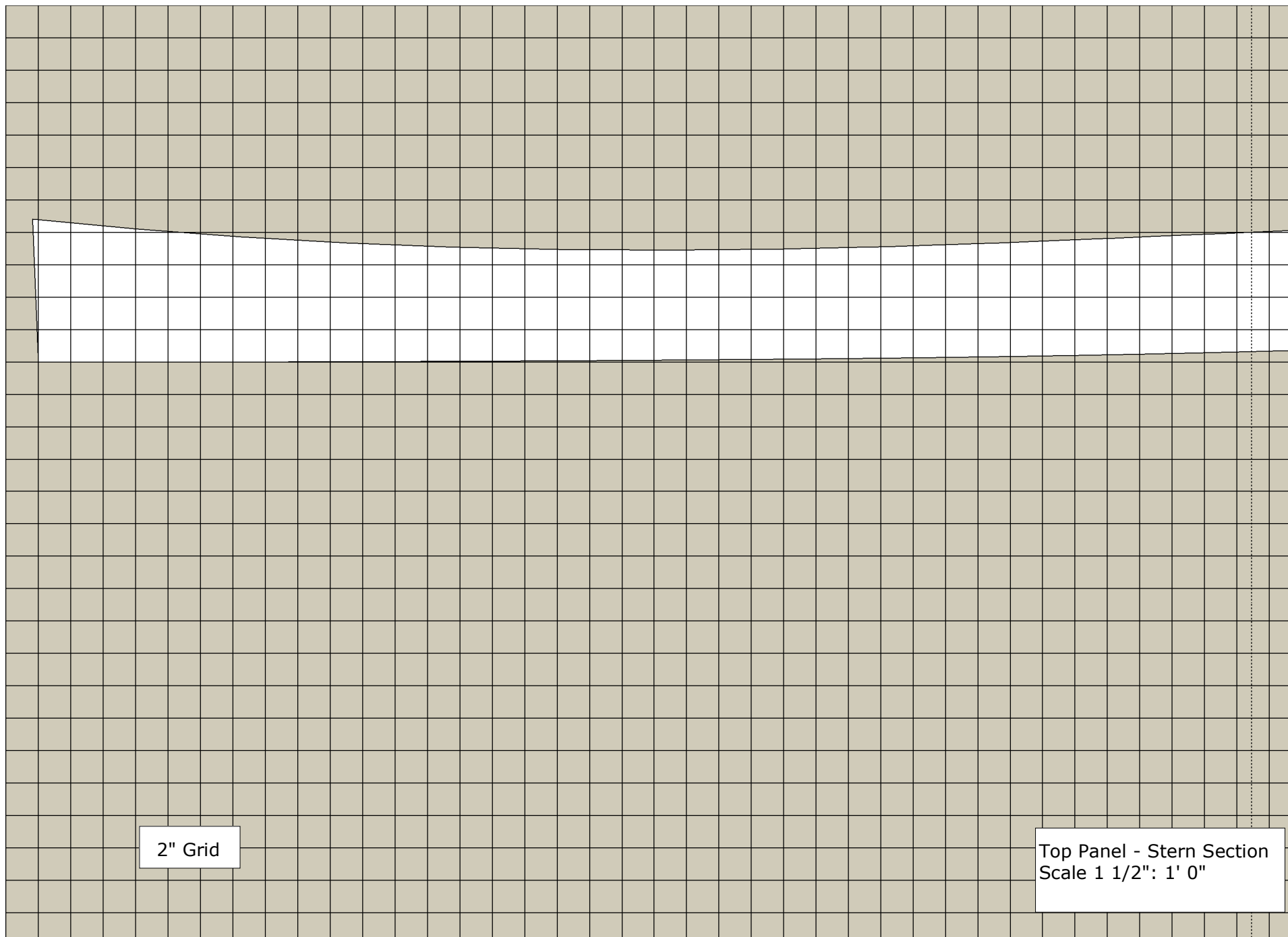


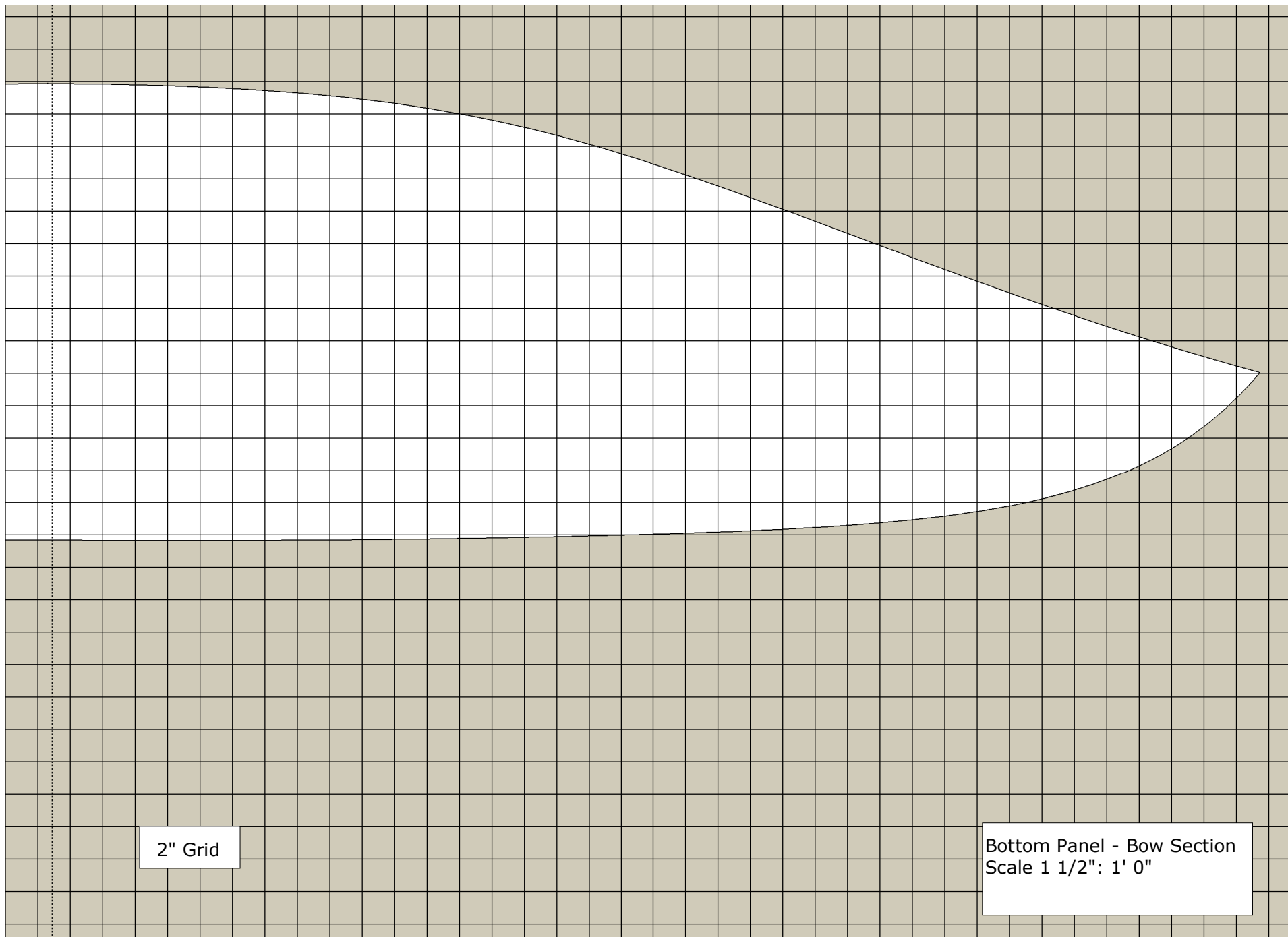


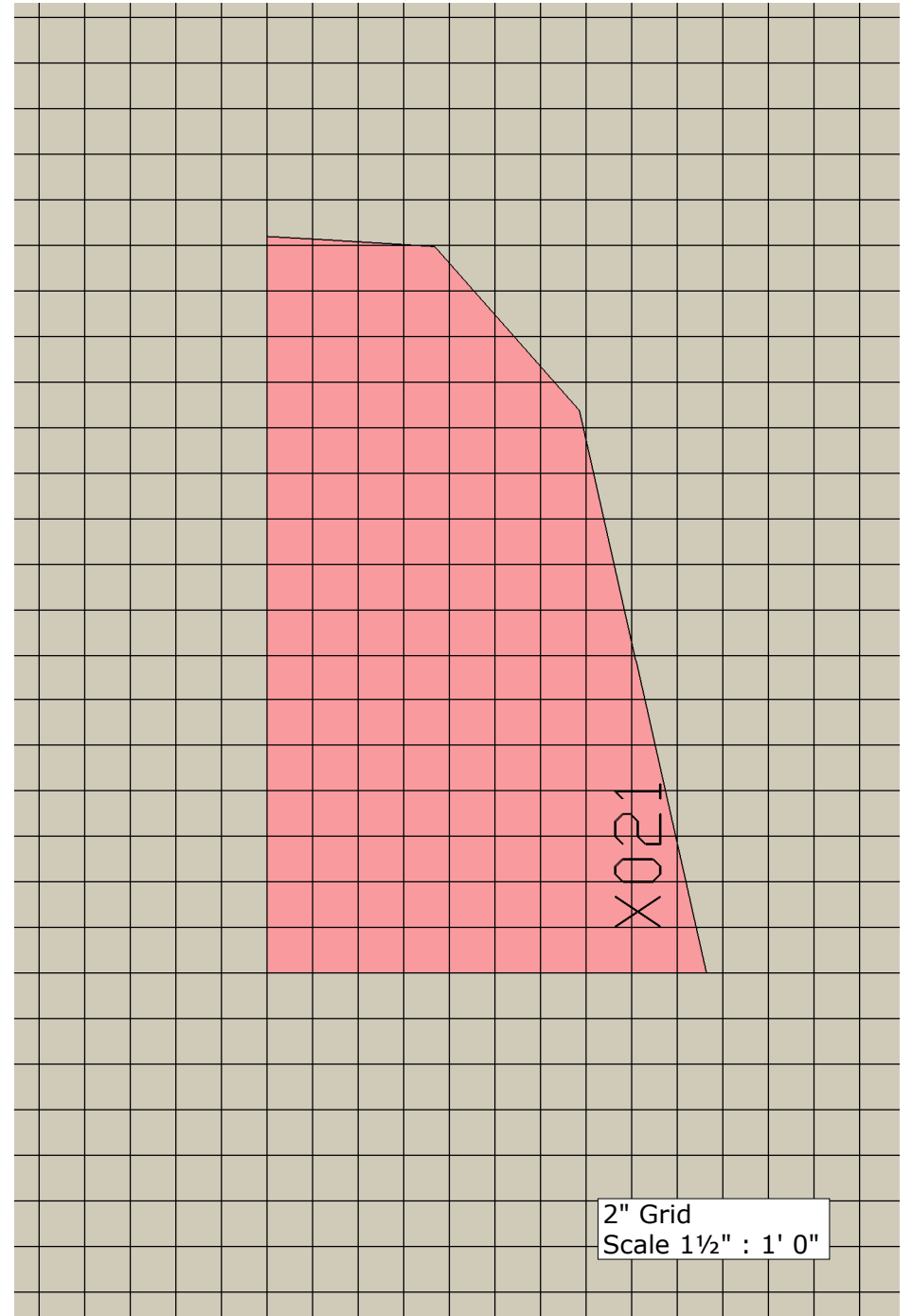
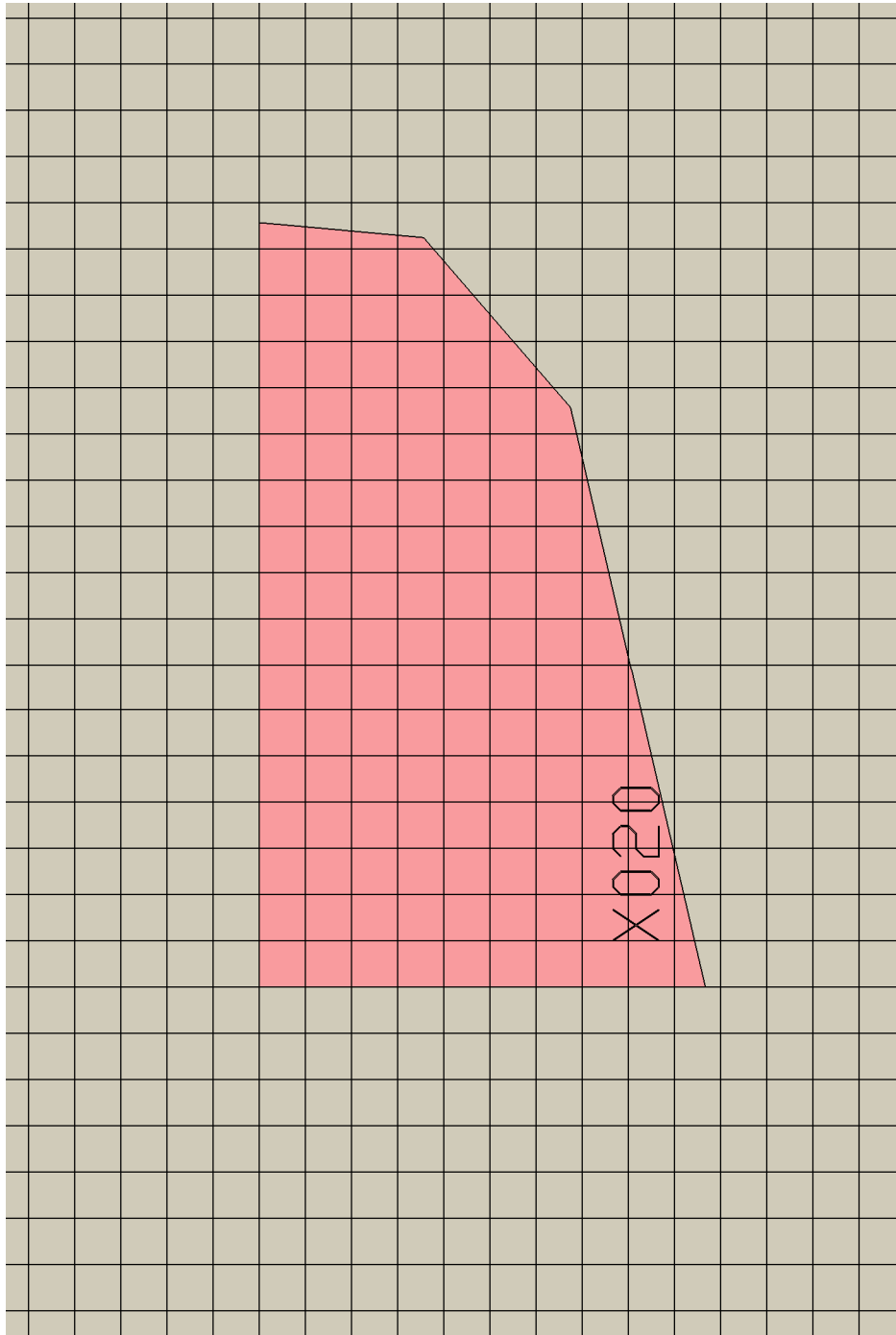


2" Grid

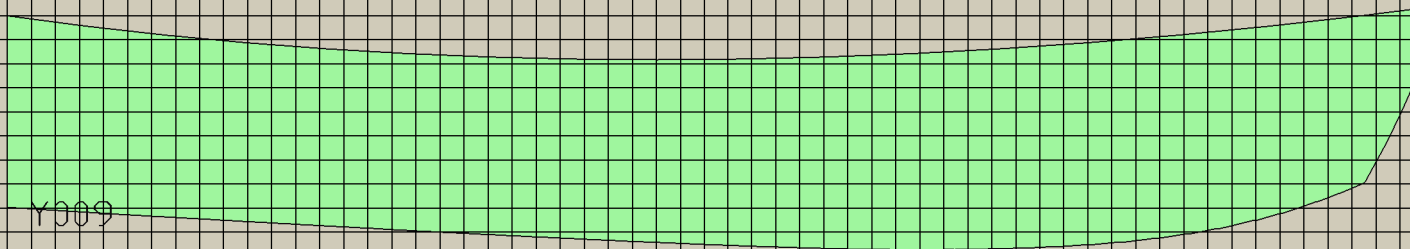
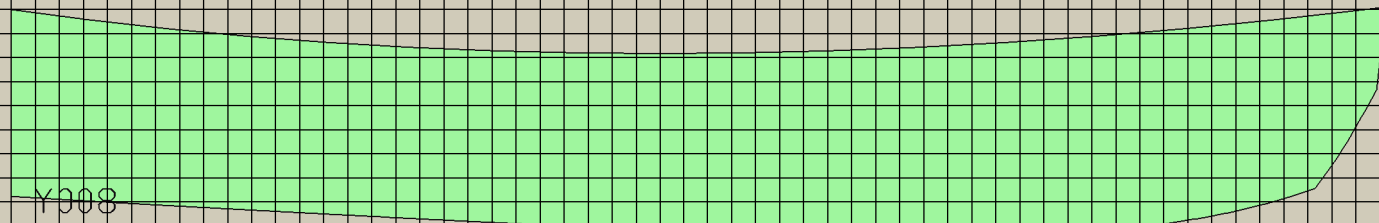
Bow and Stern Views
Scale 3/4": 1' 0"







2" Grid
Scale 1½" : 1' 0"



2" Grid
Scale 3/4" : 1' 0"

2006

2007

2" Grid
Scale 3/4" : 1' 0"