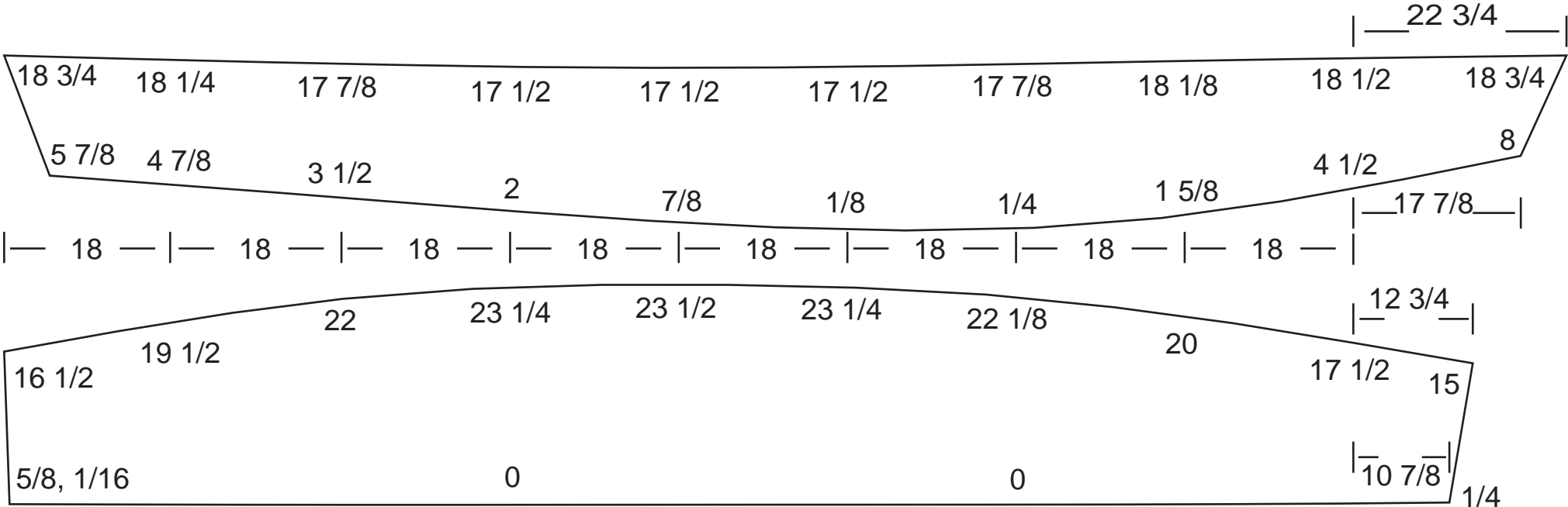
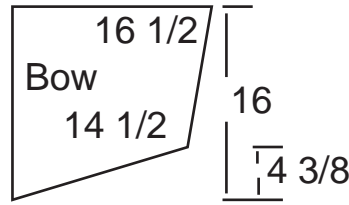
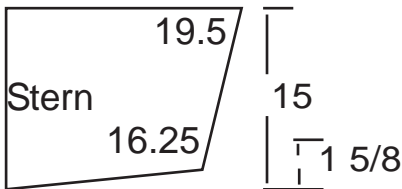


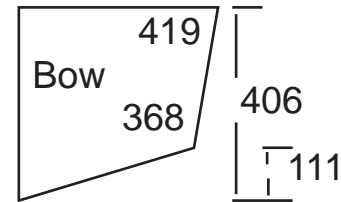
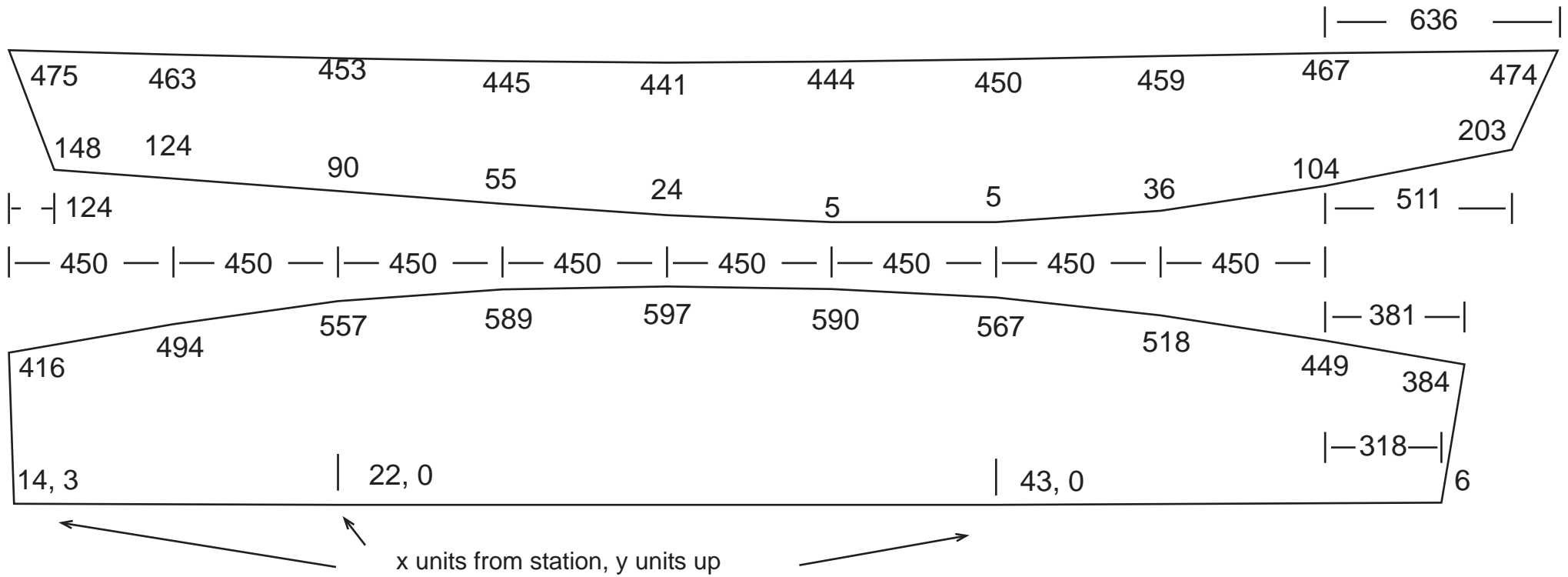
Butthead Offsets in Imperial



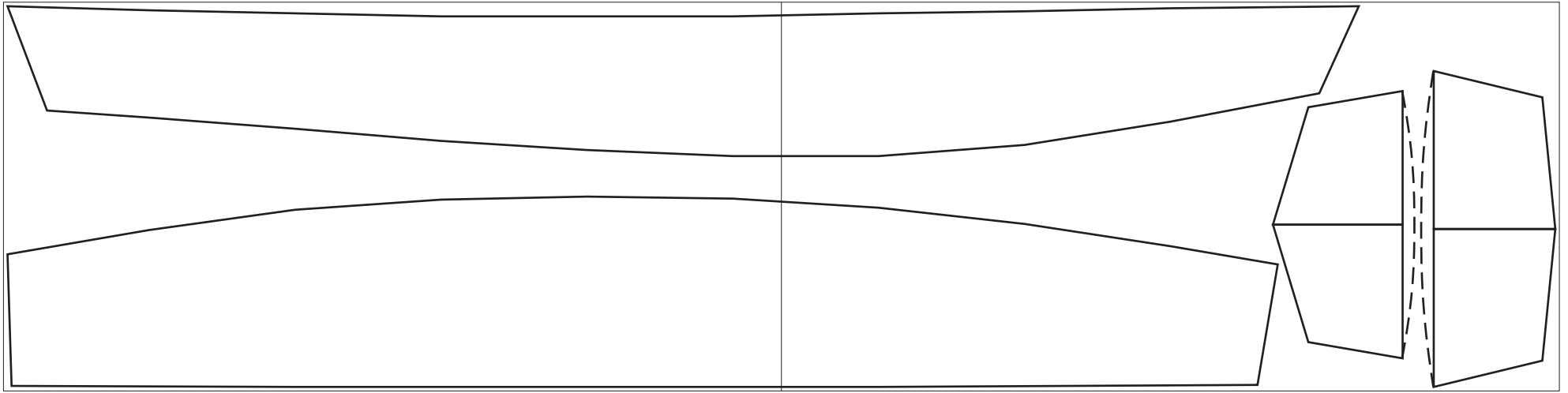
x units from station, y units up



Butthead Offsets in Metric



Suggested Cut Plan - (4) pieces of 1/4" ply



Suggested Build Method:

Butt (2) sheets of 1/4" ply together and line out the garboard (board that goes on the bottom,) strake (board that goes on the side,) and transoms as shown. The transoms will look nice with a little curve to the upper edge – the dotted lines show a 1 1/2" curve.

For quick-n-dirty, stack these pieces of ply on top of your other (2) sheets of ply IMPORTANT: Make sure they are stacked face to face or back to back so you will have mirror image parts.

Line up the edges exactly and clamp them together tightly. Cut out the garboards and stakes 2 at a time. You *should* get pieces that match exactly – with the added benefit of making mistakes twice as fast.

Suggestion: While you only *need* the transoms to be 1/4" thick, you might want to double – or even triple – the stern transom (the bigger one) if you plan on using a motor.

I recommend using a Payson Butt Joint to join the pieces of the garboards and strakes.

Stitch-n-Glue Assembly:

Place the garboards together so the 0 marks match along the centerline. Loosely stitch them together.

Stitch on the transoms, starting in the center and working out – zip ties every 4"-6"

Stitch the strakes to the transoms, then to the garboards. You might want some help for this step.

The stern should rise 5" and the bow should rise 7". You might find it easier to put blocks under the garboards to get this.

Tighten the stitches and get the hull looking like you want. You might want some temp bracing to hold the sides out or some such.

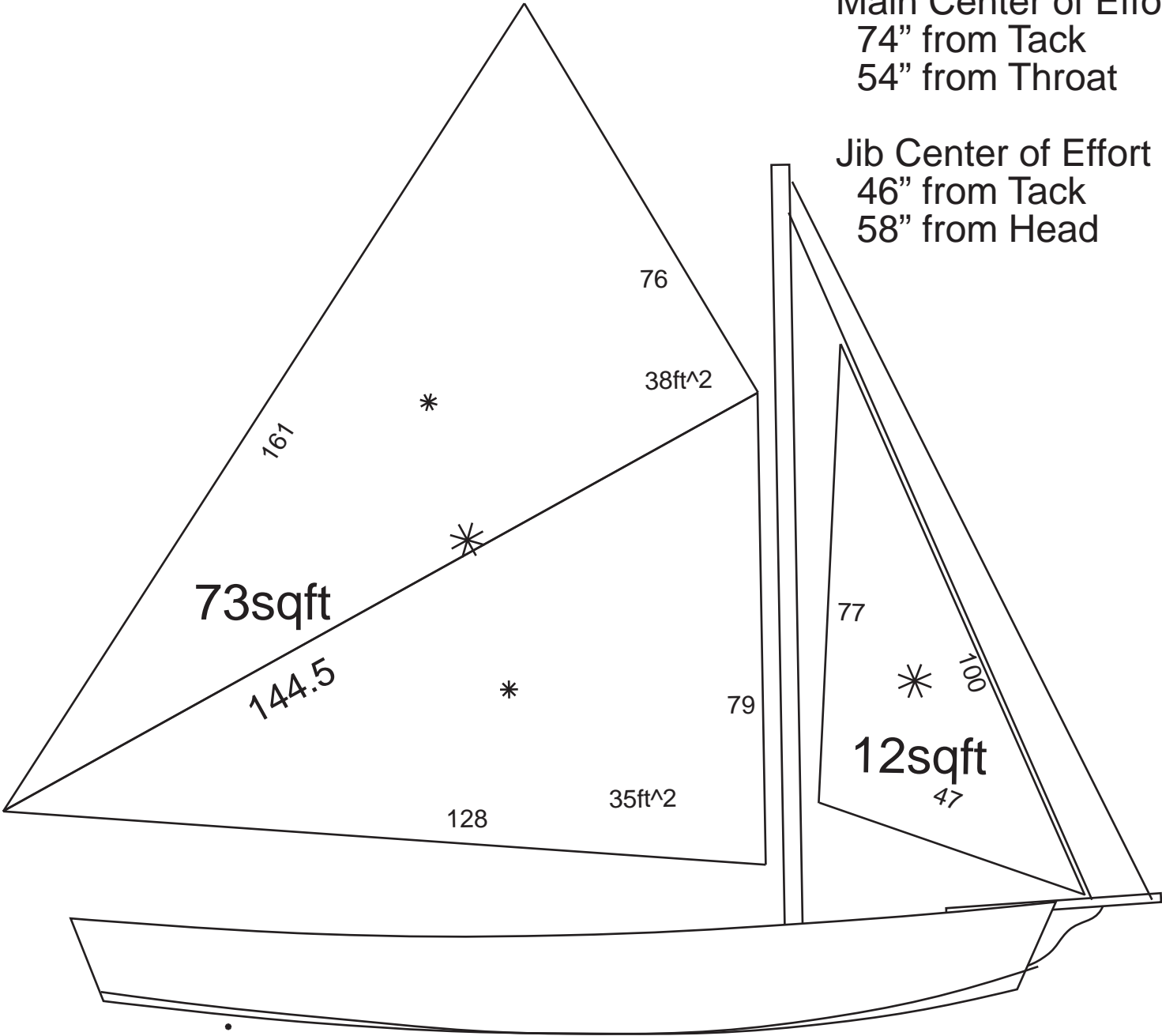
Tack the boat together with thickened epoxy. When cured, remove the stitches and 'glass the seams.

Sensible Sail Plan

Mast is 12' tall

Main Center of Effort is
74" from Tack
54" from Throat

Jib Center of Effort is
46" from Tack
58" from Head



Sail Plan Scaled From Original

