

GATO FRAME PAN (PROFILE) - NOTES

1 - TYPE

This is based on the plans of SS212 USS GATO (Electric Boat)

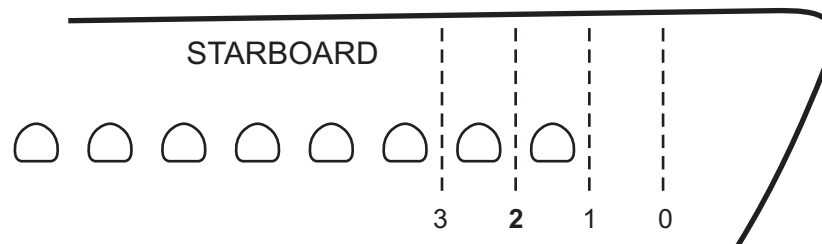
2 - LOGIC

Though the Revell kit is generally accurate, there are some odd things related to framing: the **Bow Limber holes** are **not spaced correctly**, though they seem to **start** pretty close to the right spot. The **Main limbers** are **spaced correctly**, but **start too late**, throwing them out of synch with the frames.

Because the cardinal points are correct (several hatches, the turtleback, etc.) this frame pattern seems to fit the Revell kit overall.

3 - START

Use FRAME 2 as your starting point. Why? Because Fr2 is easy to find (between the first two bow limbers). It seems well positioned, but if it **is** inaccurate, it can't be off by more than a relative hair (it's so close to the bow).



4 - ADJUST, TWEAK, or IGNORE?

Depending on what you want the frame info for, you can make adjustments to the framing or the model, or ignore!

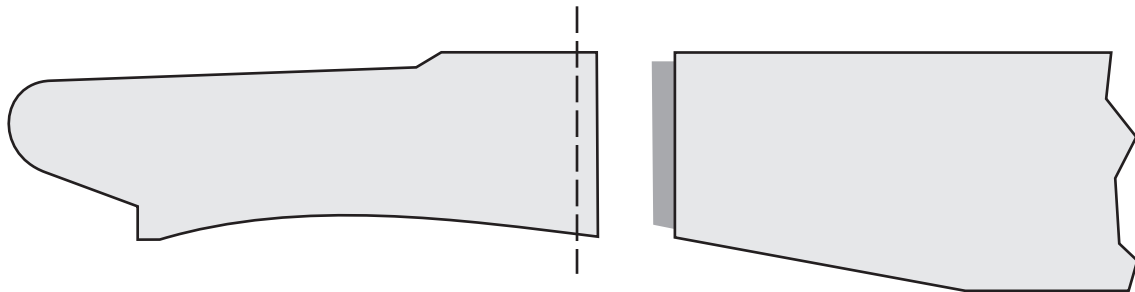
MAIN LIMBERS: The frames do not need to be adjusted, but the Main Limbers should be brought forward about 1/16th" (2mm) +/- . This can be done by ignoring the connecting pins behind, and shaving off a tad at the forward end. It brings Kit Part 7 & 8 closer to the dive planes. (The planes will hide any trouble, and this saves moving the planes.)

BOW LIMBERS: these are spaced poorly, but ignoring them may be the best option. (AMP may come out with replacement Bow Limbers...)

5 - TOO LONG

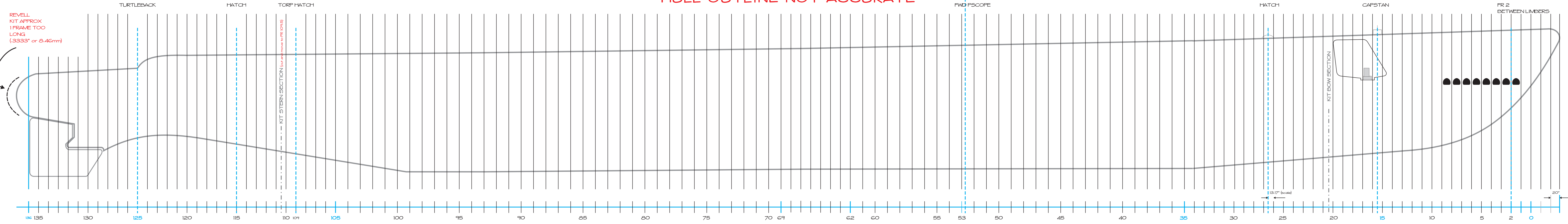
The Length Over ALL (LOA) is too long on the kit. A precise measurement is difficult because there is some question about the bow, and the frames really do seem to hit the major marks. The "cleanest" number that plugs into the complexity is .3333" (8.4666mm) too long, the same as an in-scale frame of 24".

A simple remedy without much fuss or loss of detail and accuracy is to shave a bit off the forward part of the stern section. The deck above DOES NOT have to be shortened (at least in relation to where the turtleback hits the hull; it may be inaccurate otherwise.)



HULL OUTLINE NOT ACCURATE

REVELL
KIT APPROX
1 FRAME TOO
LONG
(.3333" or 8.46mm)



24" O.C. 744"/62' (SCALE 1:72 = 10 1/3" / 262.46mm)

FRAMES 105 to 136: 24" O.C.

30" O.C. 1,080"/90' (SCALE 1:72 = 15" / 381mm)

FRAME 69 to 105: 30" O.C.

24" O.C. 168"/14'

24" O.C.

30" O.C. 810"/67.5' (SCALE 1:72 = 11.25" / 285.75mm)

FRAME 35 to 62: 30" O.C.

24" O.C. 840"/70' (SCALE 1:72 = 11.66" / 296.33mm)

FRAME 0 to 35: 24" O.C.

HULL OUTLINE NOT ACCURATE

