

Paul Gartside Ltd. Boat Builder and Designer
P.O. Box 1575, Shelburne, Nova Scotia, Canada B0T 1W0
Phone/Fax 902 875 2112
www.gartsideboats.com
info@gartsideboats.com

31st May 2010

Russ Manheimer
219 Stockton Lake Blvd
Manasquan
NJ
USA 08736

Dear Russ,

Attached are some rather crude sketches that describe the method I have used to get hull lines down on paper.

It is not difficult to take the shape of the hull at any point, but the trick is to get it all in the right relative positions. The simplest way to ensure that is to set up a level plane under the boat and work everything off that. You would be lucky indeed to find a floor good enough, but if you can that simplifies matters.

Once you have a full size body plan you can lay on it a grid of waterlines and buttocks and take offsets. Then with a scale rule you can make a drawing on paper to one inch to the foot scale.

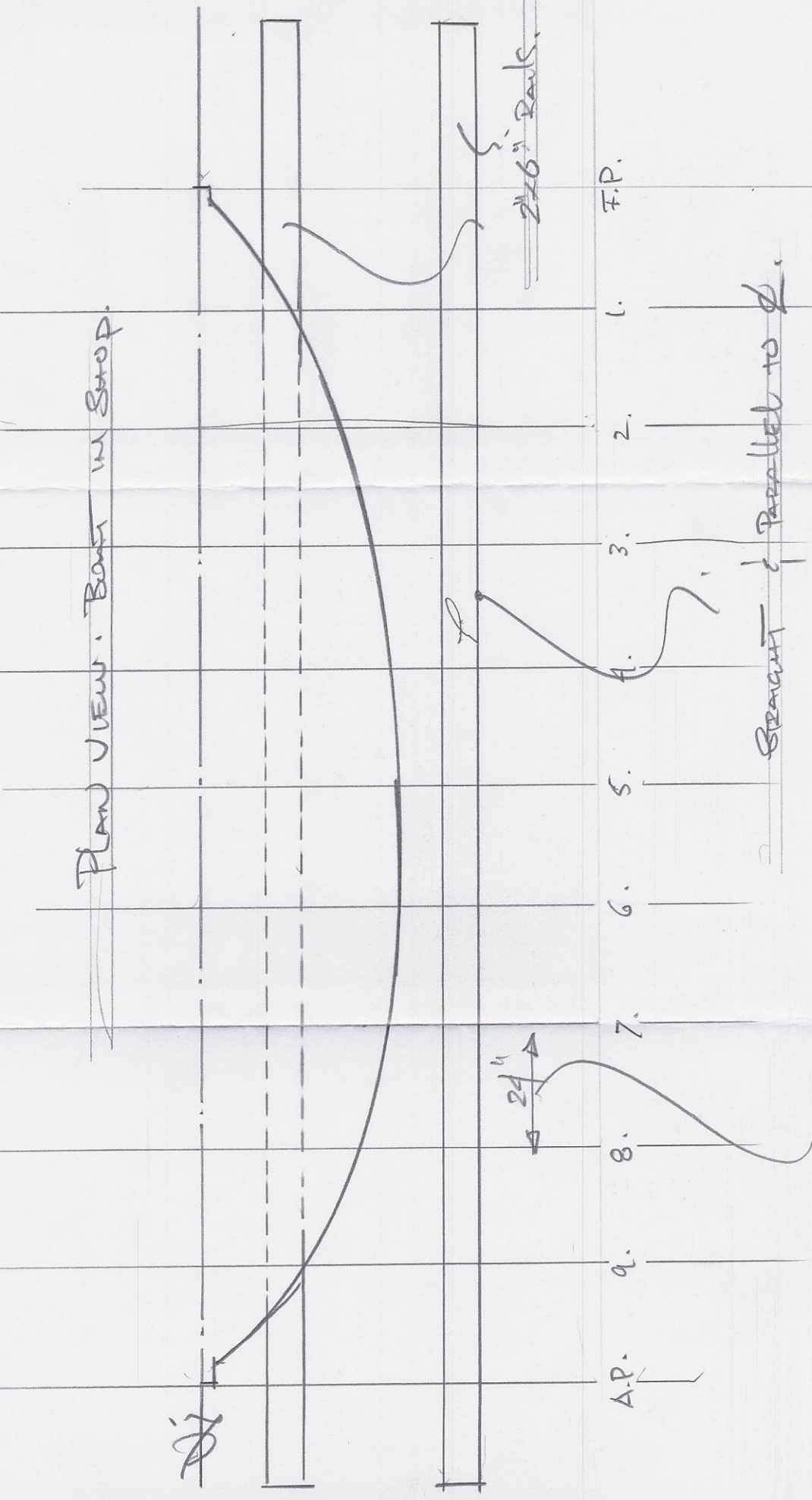
It is best if you do that as you go so you can see what's missing or doesn't fit and needs re-checking. You will be surprised how easily it fairs up – it's the opposite of lofting where errors magnify.

No need to fair it up with the long lines, I can do that.

Hope this helps,

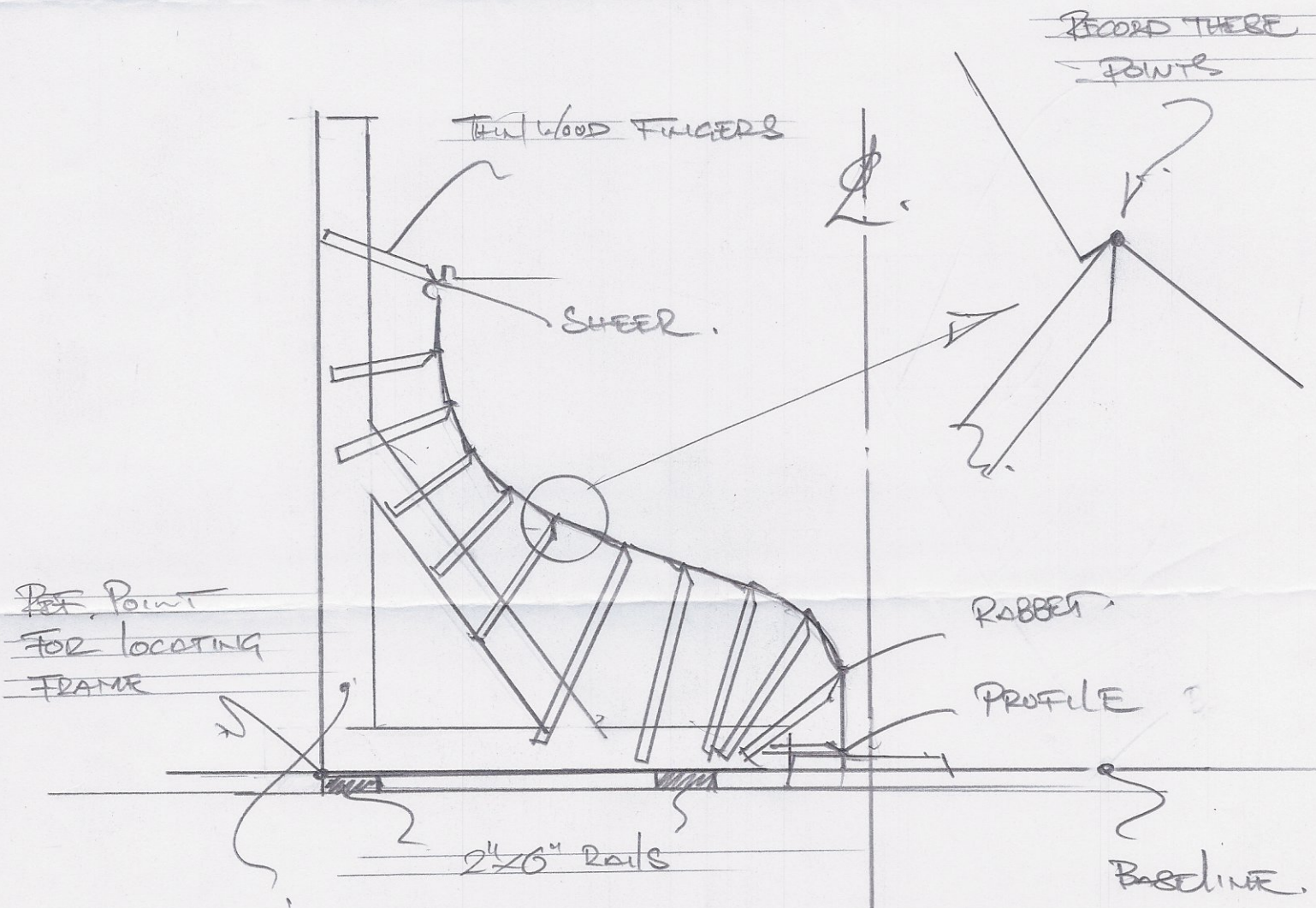

Paul Gartside.

9. Set up Box with V.L. level. & level standards.
 Fasten 2"x6" Rafts to Shop Floor under one side.
 Outside edge straight & parallel to Box &
 Mark station lines across both 24" intervals.



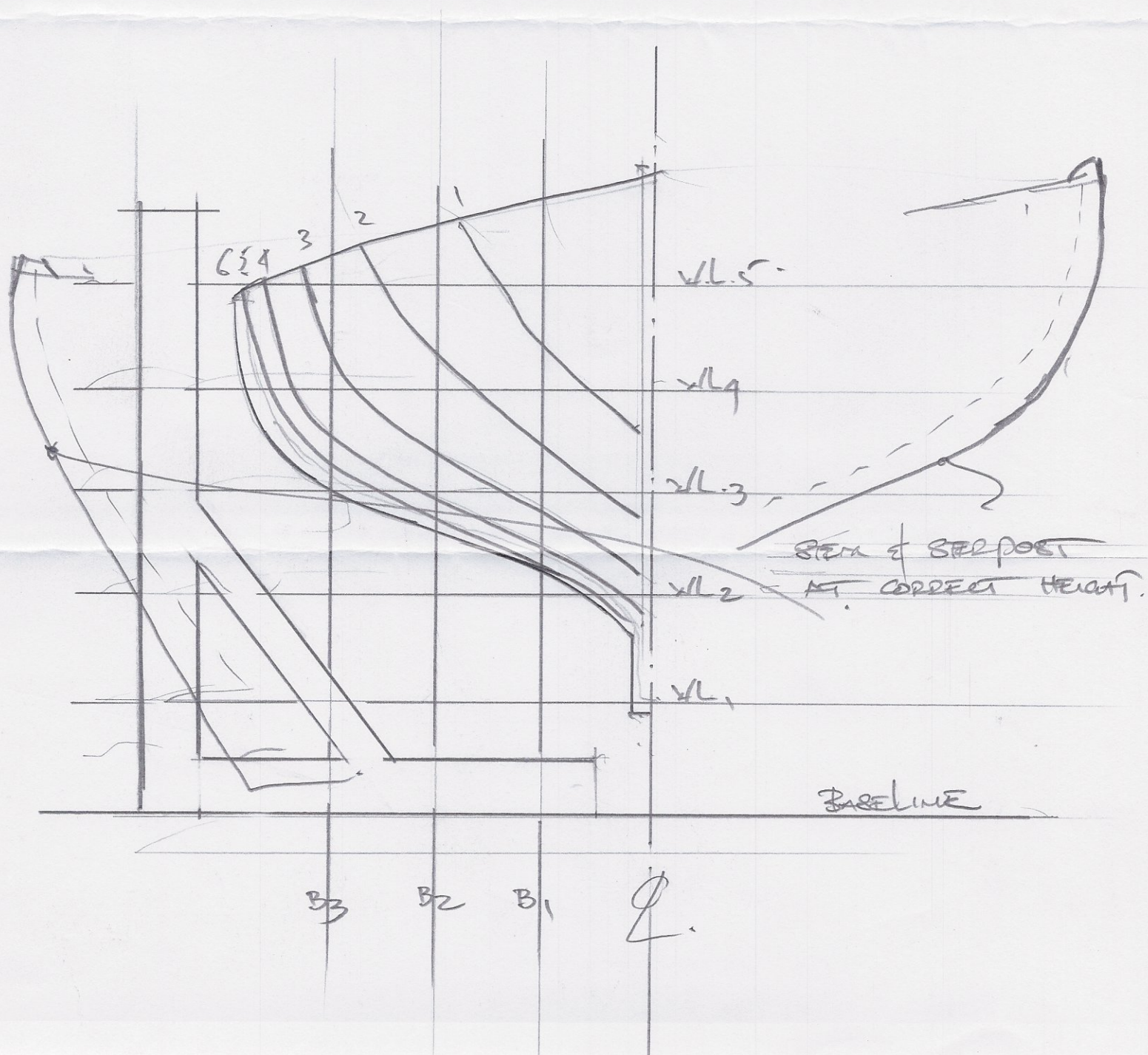
Should be Equi-Distant.
 20" — 24" is about Right.

- ⑤ ~~Set~~ UP MEASURING SQUARE ON EACH STATION IN TURN.
 USING HOT GLUE GUN, ATTACH LIGHT WOOD FINGERS AS SHOWN. AT PLANK LANDS, SHEERLINE (TOP OF DECK), RABBIT AND PROFILE.
 USE SAME SYSTEM TO TAKE SHAPE OF STEM PROFILE & STEEPPOST (PROFILE & RABBIT).



RIGHT ANGLE MEASURING SQUARE
 WELL BRACED. ($\frac{3}{4}$ " MATERIAL \pm)

⑧. GAREFULLY TRANSFER FRAME & FINGERED TO
 PLYWOOD SHEETS. ALIGN FRAME WITH BASE
 AND CENTERLINES. TRANSFER RECORDED POINTS
 DRAW BODY SECTION FULL SIZE
 REPEAT FOR ALL BODY SECTIONS AND
 STEER & STERNPOST.



USE MEASURED OFFSETS TO CONSTRUCT
BASIC LINEAR PLAN AT 1" = 1'-0" SCALE.

A BODY PLAN.

B SHEER, DABBER & PROFILE IN SIDE ELEVATION

C. SHEER & DABBER IN PLAN

