

HUSH HUSH

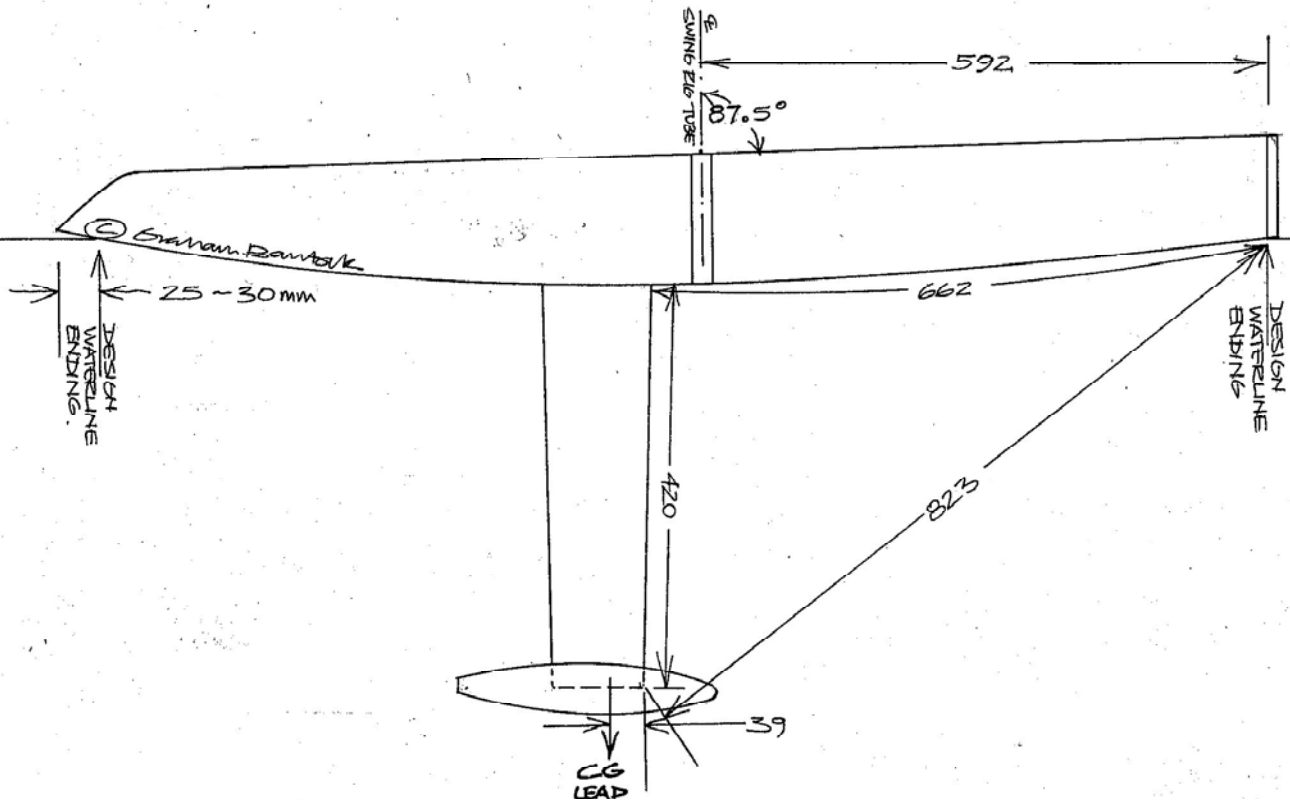
JULY '87.

MOULDED BY CARBON CRAFT : DESIGNED BY BANTOCK.

THE 'HUSH-HUSH' HULL IS VERY CLOSE TO THE 'NO-SECRET' HULL. CONSEQUENTLY THE LAYOUT OF THE FIN, BUDDER, MAST TUBE AND POSITION OF THE BALLAST IS SIMILAR - BUT NOT EXACTLY THE SAME.

ALTHOUGH THE METHOD OF MOULDING DIFFERS FROM THAT USED FOR THE 'NO SECRET', MOST OF THE INFORMATION REQUIRED TO COMPLETE A 'HUSH-HUSH' IS GIVEN ON THE 'NO SECRET' PLAN. READ IT THOROUGHLY BEFORE ATTEMPTING TO START AND NOTE THE VARIATIONS TO THE CRITICAL DIMENSIONS SHOWN BELOW.

- 1/ FIN POSITION. BECAUSE THE CENTRE OF BUOYANCY IS 8mm FURTHER FORWARD ON THE NEW DESIGN, THE BALLAST, THE FIN AND THE MAST TUBE ARE ALSO ALL MOVED FORWARD BY THE SAME DISTANCE. THE NEW DIMENSIONS ARE INDICATED HERE.
- 2/ MAST RAKE. THE FREEBOARD OF THE NEW DESIGN IS LOWER AT THE TRINSON. CONSEQUENTLY THE ANGLE BETWEEN THE MAST AND THE DECK IS NOW 87.5° . THIS PRODUCES A MAST WHICH IS PERPENDICULAR TO THE WATERLINE.
- 3/ BALLAST POSITION. AS MENTIONED ABOVE, THE BALLAST HAS TO BE 8mm FURTHER FORWARD. BECAUSE THE POSITION OF THE CENTRE OF GRAVITY OF THE BALLAST IS SHOWN RELATIVE TO THE FIN POSITION ON THE 'NO SECRET' PLAN THIS RELATIONSHIP IS UNCHANGED. I.E. THE LCG OF THE LEAD REMAINS 39mm AFT OF THE BOTTOM LEADING EDGE OF THE FIN.
- 4/ WATERLINE. THE STERN WATERLINE ENDING REMAINS UNCHANGED. THE FORWARD WATERLINE ENDING IS AT THE EXTREME FORWARD END OF THE HULL MOULDING.



- 5/ THE DESIGN DISPLACEMENT OF 'HUSH-HUSH' IS 11.5 lbs (5.2 kgs). FOR THE 1988 SEASON THIS IS EXPECTED TO BE THE BEST CHOICE FOR THIS YACHT OVER THE FULL RANGE OF CONDITIONS. IF YOU SAIL IN PREDOMINANTLY LIGHT AIRS (85" HOIST USED 75% OR MORE) IT MAY BE BETTER TO USE A DISPLACEMENT OF 11 lbs. IF YOUR LOCAL CONDITIONS ARE WINDIER THAN NORMAL (85" HOIST USED 50% OR LESS) THEN 12 lbs MAY BE A BETTER CHOICE.

THE VERY LIGHT HULL CONSTRUCTION SHOULD ALLOW A TOTAL WEIGHT WITHOUT LEAD OF 3.0 lbs. AT A TOTAL DISPLACEMENT OF 11.5 lbs THIS GIVES A BALLAST RATIO OF 74%. IF YOU ACHIEVE SIGNIFICANT WEIGHT SAVING BELOW 3.0 lbs YOU SHOULD ADJUST THE BALLAST WEIGHT TO MAINTAIN 74% BALLAST RATIO. FOR EXAMPLE, IF THE COMPLETE YACHT WITHOUT LEAD WEIGHS 2.9 lbs A BALLAST WEIGHT OF 8.25 lbs GIVES A 74% BALLAST RATIO AT A TOTAL DISPLACEMENT OF 11.15 lbs.

N.B. IF ANY ADDITIONAL INFORMATION IS REQUIRED ON THESE PLANS PLEASE TELL THE MOULDER OR DESIGNER.