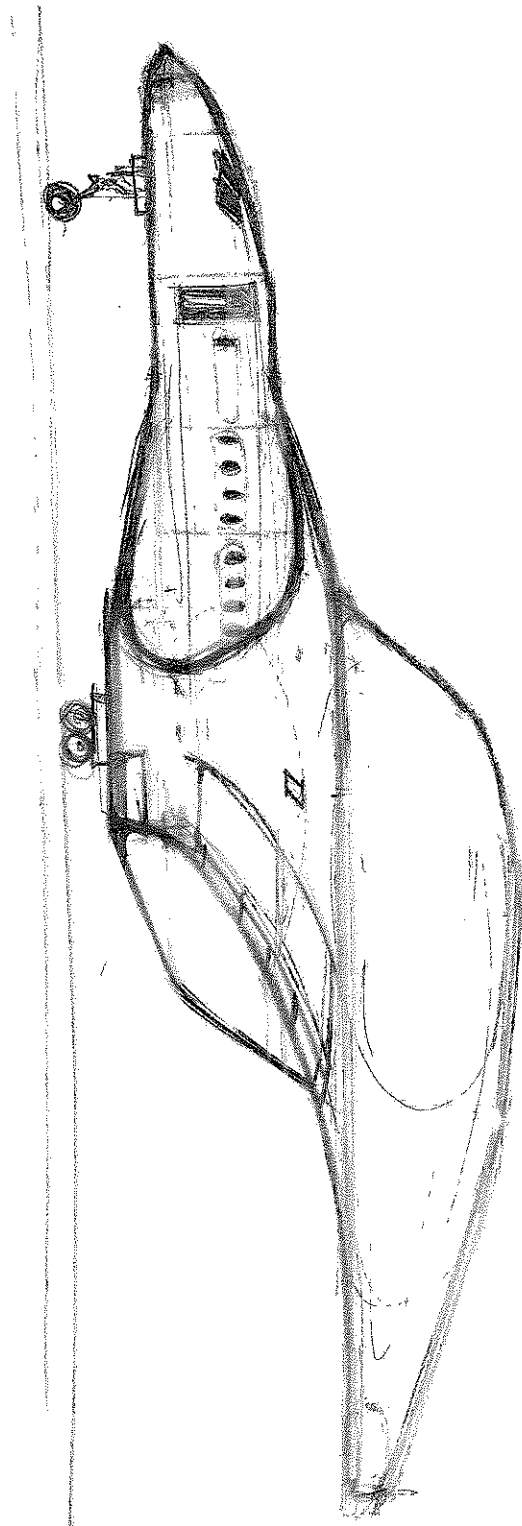
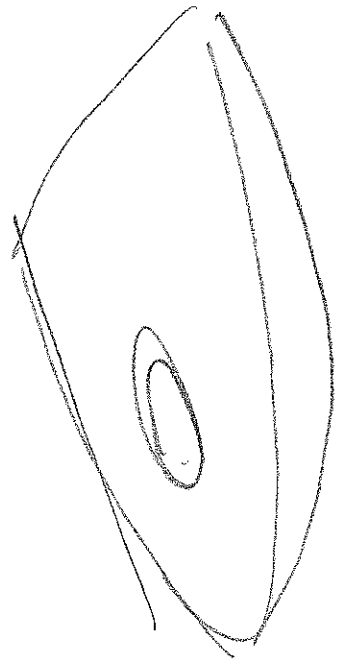
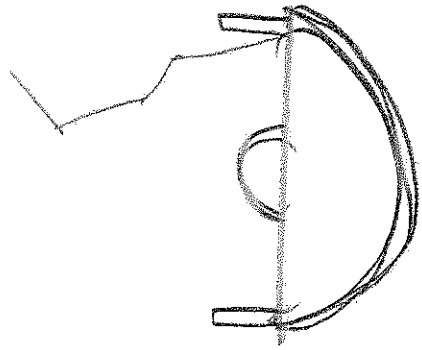
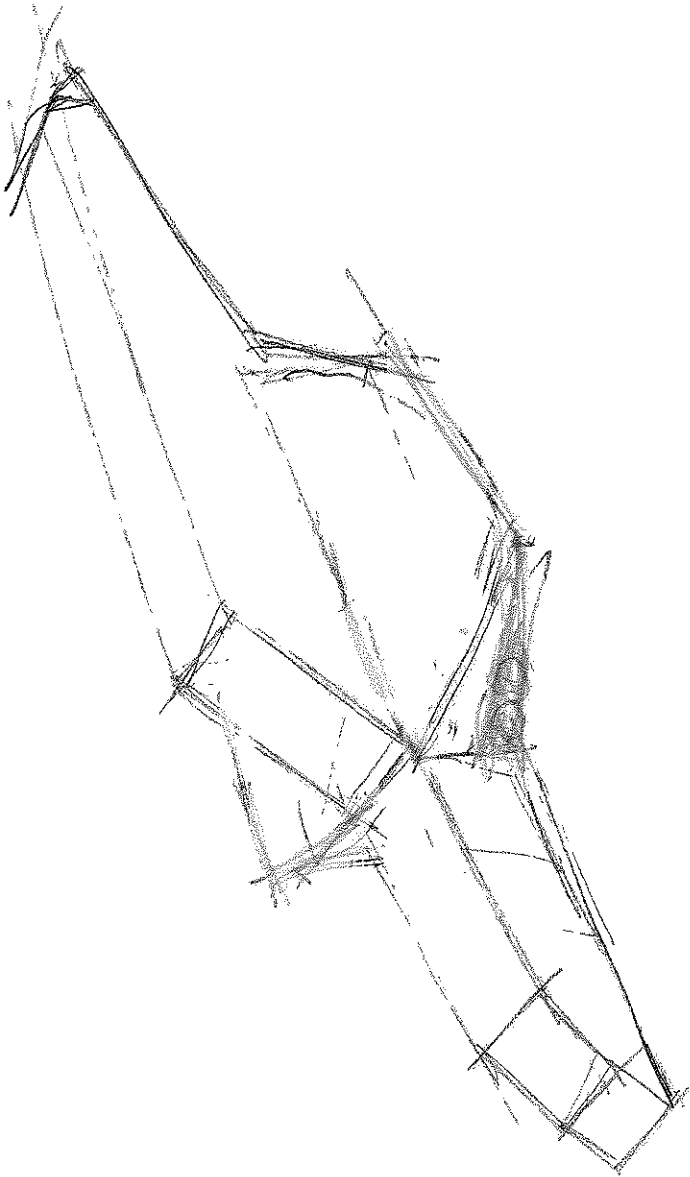
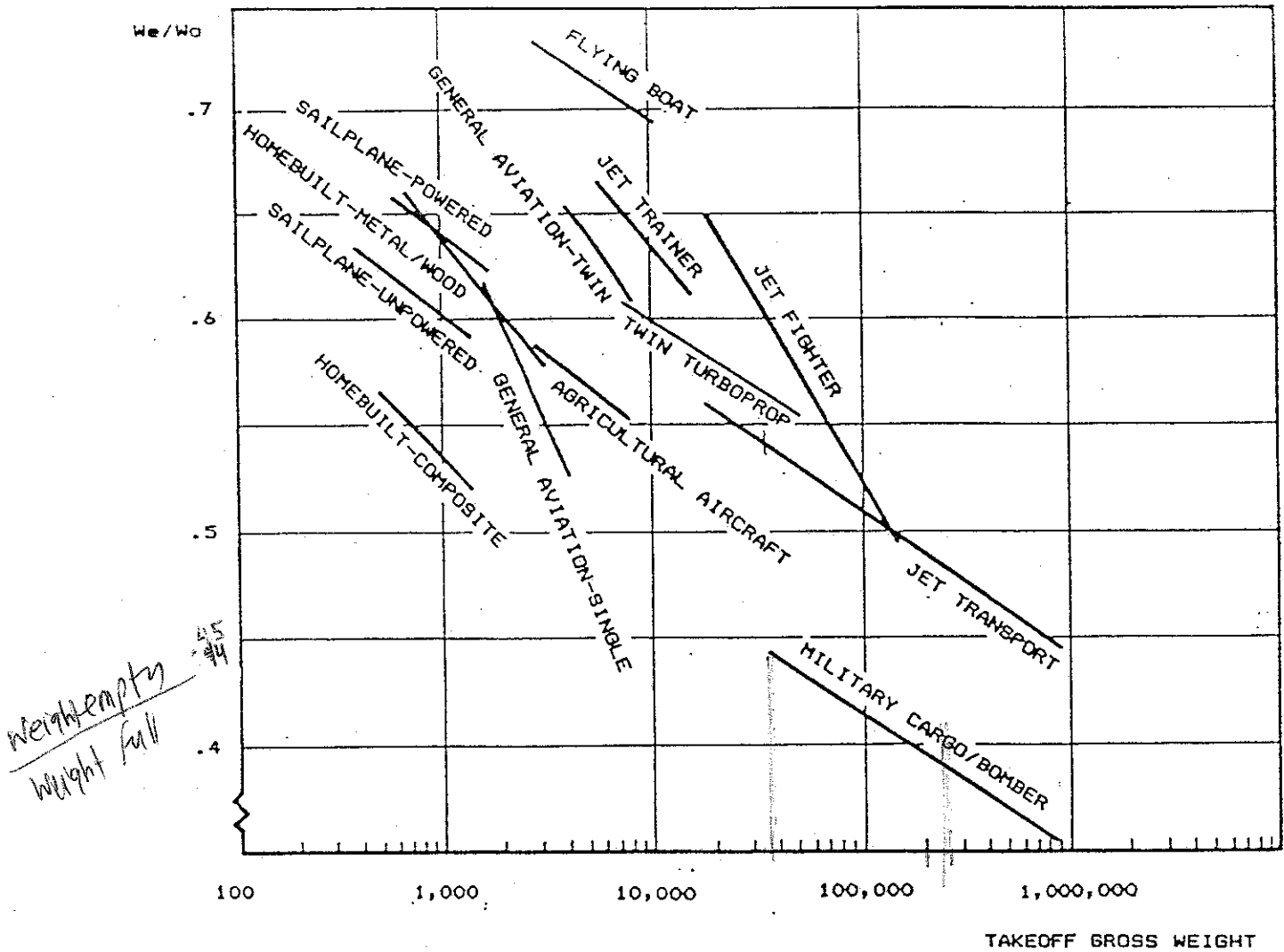


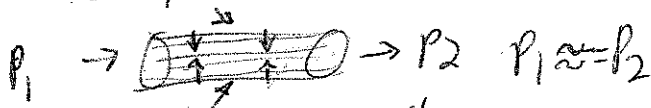




SIZING FROM A CONCEPTUAL SKETCH



Looking for laminar flow



little slower on walls
 due to friction, pressure is higher
 velocity increase, pressure decrease

Reynolds number, velocity at which we go from laminar to turbulent

85% { flat plate lift } 75% { low pressure lift } { Newtonian thrust }
 15% { ram air lift } 25% { lift }