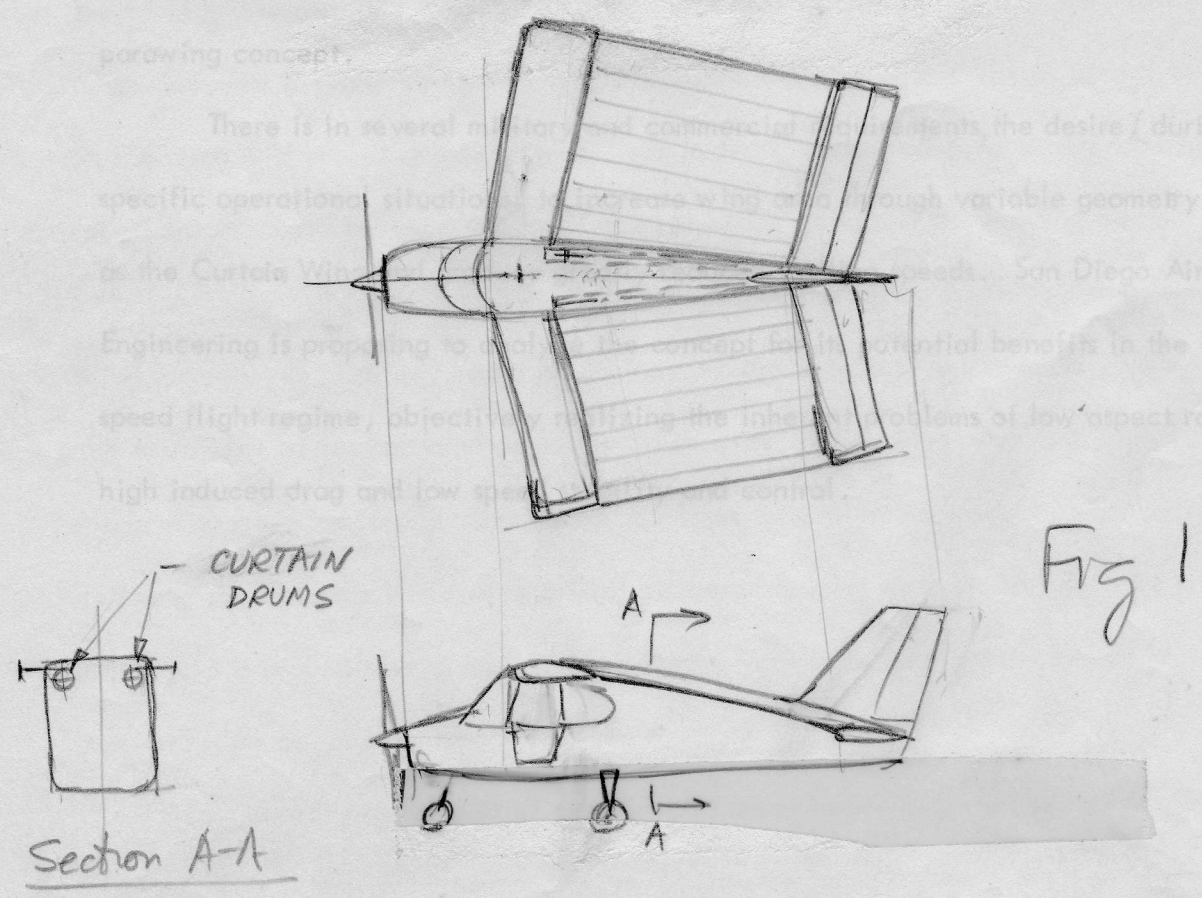


ROUGH DRAFT

INTRODUCTION

This proposal describes a program to evaluate a "Curtain Wing" aircraft concept. The Curtain Wing is a flexible membrane that rolls out spanwise from the fuselage between the trailing edge of the wing and leading edge of the horizontal tail to form a catenary curve between the wing and tail, and would be utilized for low-speed flight during landing.



The configuration shown above is a typical Curtain Wing installation, however, various Curtain Wing planforms are to be analyzed during Phase I. Phase II will consist of the design and construction of a wind tunnel model of one or more of the most promising configurations. If wind tunnel tests are encouraging, Phase III will