## Design Objectives

1. Design a functional two seater - open sports car in the Shelby Cobra image for road and competition useage with performance potential superior to any comparable vehicle in the world.

2. To incorporate all international legal requirements for road use and comply with FIA and SCCA regulations.

3. To utilize the 289 cu. in. "Family" of engines in any of the derivative forms with a modified 5DS 25/1 "ZF" Trans Axle.

4. To provide a high degree of safety by two interrelated criteria.
   (a) Superlative road holding, steering, braking, stability and response to avoid potential danger.

   (b) To minimize primary and resultant secondary collision effects by designing a passenger capsule of high structural integrity, and surrounding this by replaceable sub structure with progressive collapse rates.

7. Provide a styling concept based on true aerodynamic functions
   (a) Low frontal area and drag.

   (b) Absolute neutral lift coefficient at normal and pitched attitudes.

   (c) Stable pitching moment about the loaded Centre of Gravity.

   (d) Neutral YAW coefficient about Centre of Gravity.

8. To aim at minimum practical weight.

9. Provide a design capable of manufacture with an absolute minimum of tooling using basic sheet metal and machine tool equipment.

10. Incorporate in the design a "Growth Potential" to allow future increases in length and width without compromising function or appearance.

## Features

1. Simple, basic sheet steel and structural foam chassis incorporating jigged suspension pivots, steering mounts and engine bearers.

2. Quickly replaceable side tanks, sub structures, and body panels.

3. Fulfills legal road vehicle and safety requirements.

4. Absolute stability of aerodynamic coefficients of pitch, lift and YAW.

Contd.....