

## ANNOUNCEMENT OF SSA HOMEBUILT DESIGN COMPETITION

ELEGIBILITY - Open to anyone.

Letters of intent to participate should be sent to:

SSA Homebuilt Design Competition  
P.O. Box 66071  
Los Angeles, Ca. 90066

The Design Competition is aimed at providing a low cost, easy-to-build, safe sailplane which is easy to fly and fun to soar. A self-launching capability is considered to be highly desirable as a means of making soaring accessible and affordable to the majority of the participants. The purpose of the Design Contest is to promote and encourage individuals, groups of designers, kit builders and would-be kit builders to focus on a design class sailplane.

Competition entries are expected to be flight-tested prototypes for evaluation by the panel of judges. Nominal cash prizes of a value to be named at a later date will be awarded to the winning entries. Judging will be accomplished by considering the following:

All designs should adhere to the applicable airworthiness standards for certification and should be stable and easily controlled throughout the flight envelope. Any design deemed unsafe for a low-time pilot will not be judged.

The prototype need not have the self-launching power unit installed, but the designer should indicate where the power unit would be located. The competition will, however, be heavily weighted toward entries which already have the self-launching capability integrated into the prototype.

Evidence of proof testing to structural limit loadings will be required, as well as results from thorough flight tests showing that no unsafe flight modes exist.

The judges will rate the design entries according to the following criteria:

- Quick to build 40%
- Low Cost 20%

- Performance 20%
- Suitability for construction in wood, metal or plastic 10%
- Aesthetics, style 10%

In the summer of 1982 (at a date to be announced) an evaluation of the final entries is planned. It is expected this will include a fly-off of prototypes as well as documentation.— Awards will be made at the 1982 SSA Homebuilders' Workshop. All entries and correspondence should be sent to: SSA Homebuilt Sailplane Competition, SSA, P.O. Box 66071, Los Angeles, Ca. 90066.

The timeline for the contest is as follows:

- SEPTEMBER 1980: Contest announced at Harris Hill.
- SEPTEMBER 1981: Preliminary engineering package due.
- SUMMER 1982: Fly-off and evaluation.
- SEPTEMBER 1982: Winners announced at Homebuilders Workshop.

### SUMMARY OF BASIC RULES

- Buildable
- Low Cost
- Safety
- Soarable
- Self-Launchable
- Aesthetics, style
- Conformance to airworthiness standards as an experimental homebuilt aircraft per *Basic Glider Criteria Handbook* or its updated equivalent (e.g., JAR 22).