Pine density 0.37 - 0.66 kg/dm3
Spruce density 0.45 kg/dm3
Nylon density 1.14 kg/dm3
Aluminum density 2.7 kg/dm3
Steel density 7.85 kg/dm3
AN5 diameter Ø8 mm
AN4 diameter Ø6,3 mm
AN3 diameter Ø4.7 mm
$1 \text{ ft } ^2 = 0.093 \text{ m}^2$
1  in  = 1'' = 25.4  mm
1 lb = 0.454 kg
1' = 1  ft = 0.3048  m
UNIIS AND USEFUL DAIA

ATTENTION. This model has not yet been built or put into flight. These drawings are intended only as a compilation of the manufacturing technology of the "Standard" hang gliders wings, which still remains very simple, requiring a broad knowledge. I think that these drawings will be of great interest to researchers and curious of the history of free flight.

ō make this 딘 fligth require four basic previous operations:

1) Static equilibrium centering:

Move experimentally back and forth the position of the crossbar to find the center of gravity. This operation can also be done b be done by theoretical calculation. Maybe

Aerodynamic centering:

realized experimentally. In addition, the A-frame should forward or backwards to ensure that the control bar In this project has turned  $4^{\,\rm s}$  the A-frame forward. maximum performance, Must Locate the hang point on the keel for a suitable speed flight and the A-frame should be rotated that the control bar is a comfo a comfortable distance for b

the entire set and determination of

the

safety coefficient. Maybe

supine pilot

4) Experimental load tests

3) Structural calculation of

make it later.

(technical or language) can send corrections to my e-mail and will be modified in the next APDLDGIES: It's possible that there are small errors not detected in this first version, or incorrect linguistic details that hinder understanding (English is not my usual language, but I try to do my projects in this language to broaden the spectrum of readers). If you find errors try to do my projects in this language to broaden the spectrum of readers). If you find errors try to do my projects in this language to broaden the spectrum of readers). If you find errors try to do my projects in this language to broaden the spectrum of readers). version.

It must be really comfortable the HG transported in the trunk of the car or in the back seat Or boarding the train or the plane carrying a simulated sky package... And you will see the face that bring our paragliders colleagues when you begin to mount tubes with the telescopic "click"

CAUTION: The theory and practice Hang Gliding only be learned at a with qualified instructors. Do not such prior knowledge. try of flight school try to fly

Nylon density 1.14 kg/dm3

Spruce density 0.45 kg/dm3

Steel density 7.85 kg/dm3

Aluminum density 2.7 kg/dm3

Pine density 0.37 - 0.66 kg/dm3

perehc@geocities.com/pere\_hc Teià - Barcelona version 0.2: 2 - ( Pere Hernàndez i Casellas january 2008

PERE HERNÀNDEZ I CASELLAS

W/S