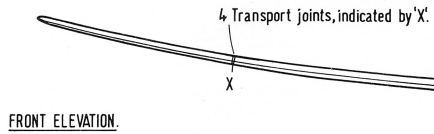


This drawing depicts 'DAEDALUS', Massachusetts Institute of Technology's Man-powered distance record holder at the time of its 73 mile flight from Heraklion, Crete, to the island of Santorini, on April 23rd 1988.

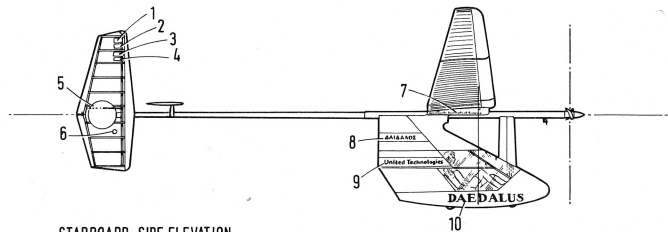
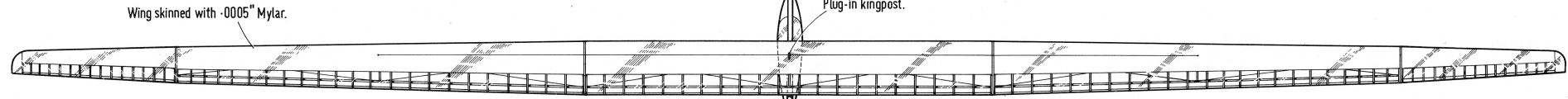
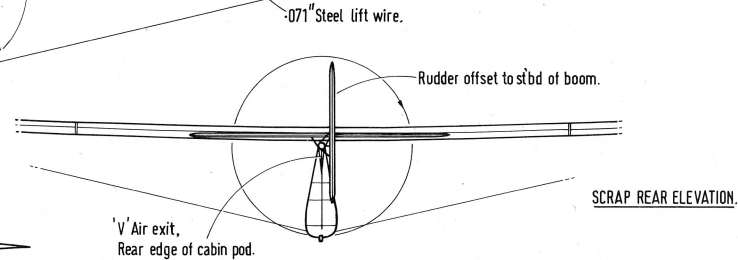
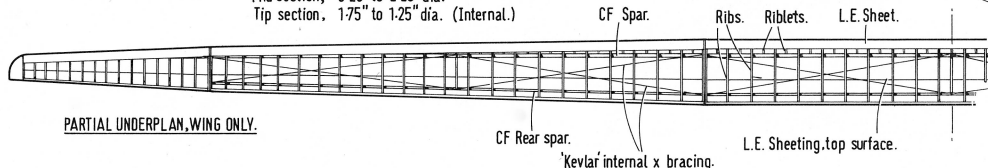
Grateful thanks and acknowledgements to Mark Drela of MIT, John McIntyre and Andrew Cranfield for sketches, photographs, drawings and enthusiasm!

* All flights prior to April 23rd were made with the kingpost and bracing wires in position to protect the wingtips from damage, on the day of the attempt the post was removed and wing walkers supported the tips.

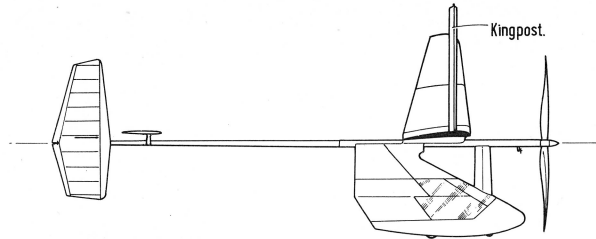
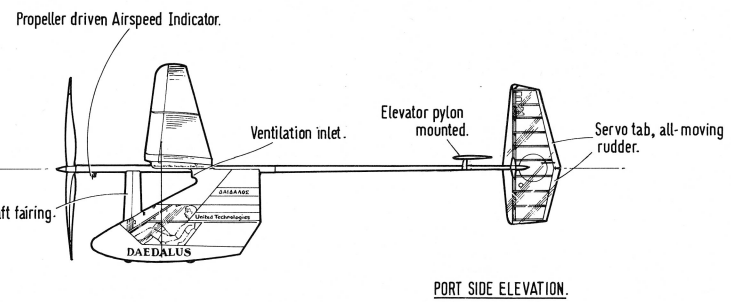
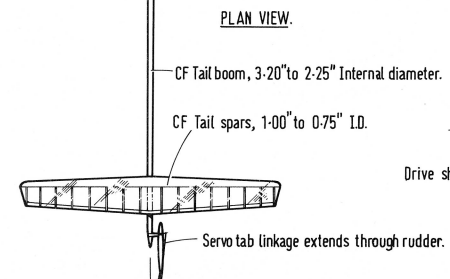
Empty weight: 70 lbs.
All up weight: 229 lbs.
Span: 112 ft.
Length: 28 ft 9ins.
Prop diam: 11.3 ft.
Wing area: 332 sq.ft.
Design speed: 14-17 m.p.h.
Power: 0.27 hp.
Prop R.P.M. 108.



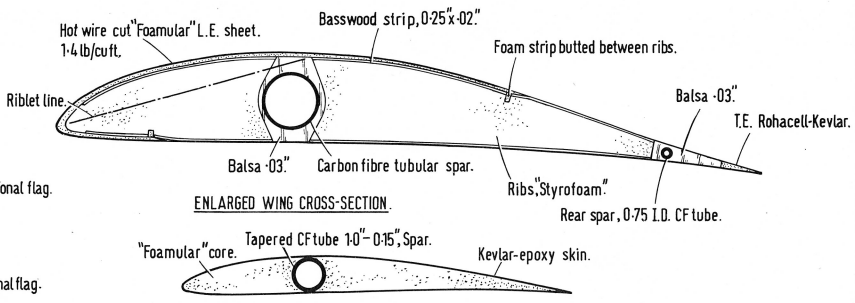
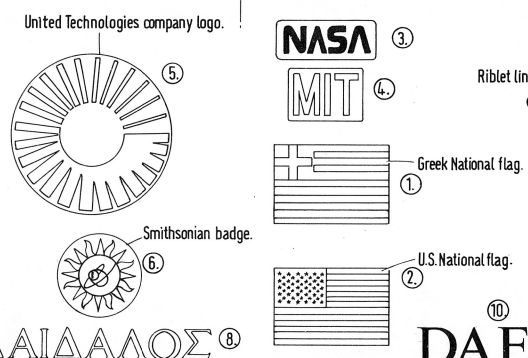
Carbon fibre tubular spars, three sizes: Centre section, 3.5" dia.
Mid-section, 3.20" to 2.25" dia.
Tip section, 1.75" to 1.25" dia. (Internal.)



STARBOARD SIDE ELEVATION. Markings indicated by numbers are shown larger elsewhere.



STARBOARD SIDE ELEVATION. Starboard wing omitted to show kingpost and root. Massachusetts Institute of Technology



DAEDALUS

HUMAN-POWERED DISTANCE RECORD BREAKING AIRCRAFT.

DAEDALUS

ENLARGED MARKINGS: See starboard side elevation for positions. Drawn by: A.A.P. LLOYD.

