

KASPERWING 180-C

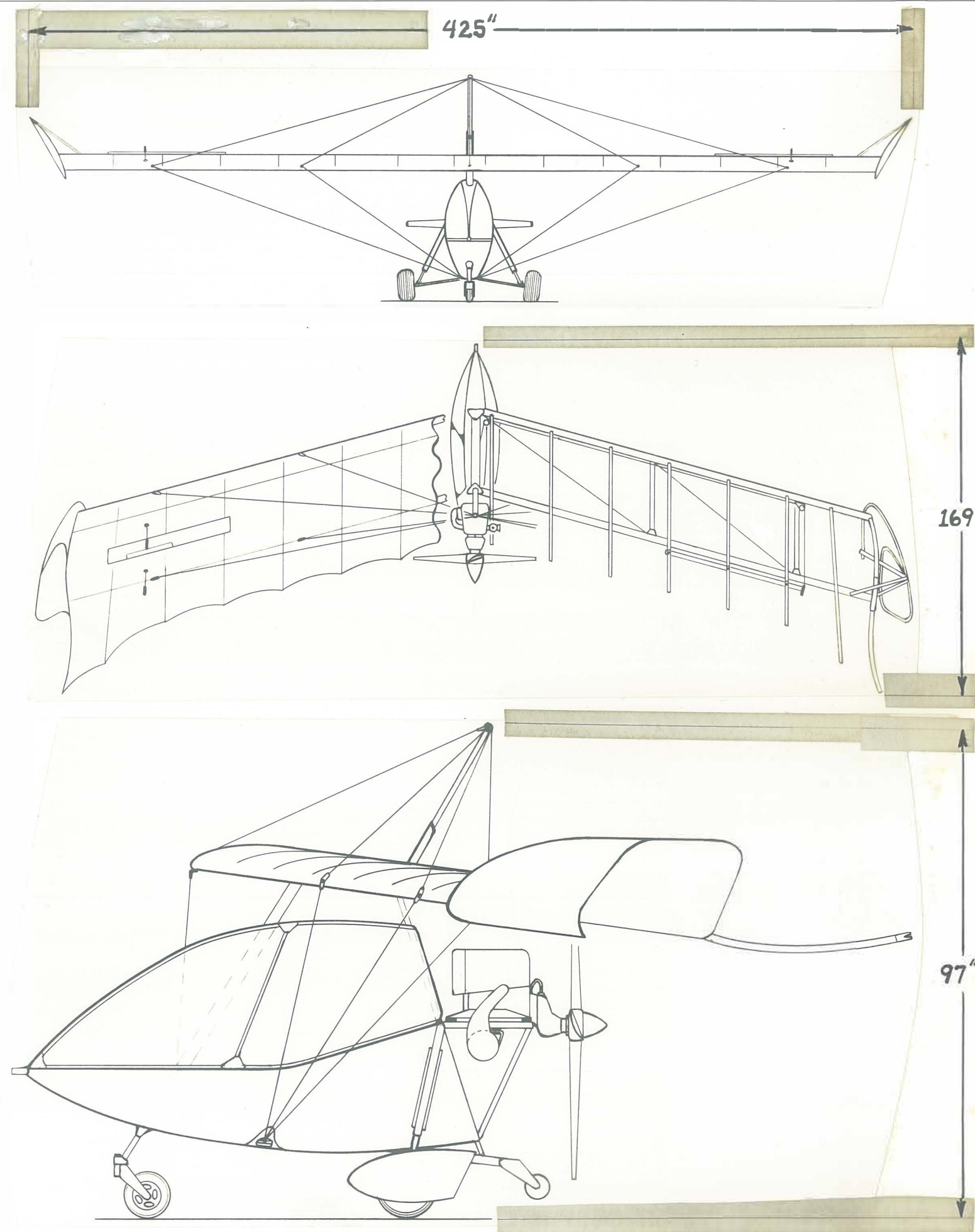
SPECIFICATIONS

ENGINE	ROTAX 503, SINGLE CARB.
HORSEPOWER	47 @ 6,400 R.P.M.
PROP	4-BLADE ULTRAPROP
REDUCTION RATIO	2.23/1
WING SPAN	35 FT.
WING AREA	180 SQ. FT.
ASPECT RATIO	6.8
EMPTY WEIGHT	262 LBS.
FUEL CAPACITY	7 GALLONS
PILOT WEIGHT RANGE	130-250 LBS.
USEFUL LOAD	350 LBS.
AIRFRAME CONSTRUCTION	6061-T6
ULTIMATE LOAD FACTORS	+9, -6
KIT ASSEMBLY TIME	60-80 HOURS
FIELD ASSEMBLY TIME	45 MINUTES
METHOD OF TRANSPORT	TRAILER/CARTOP

FLIGHT PERFORMANCE

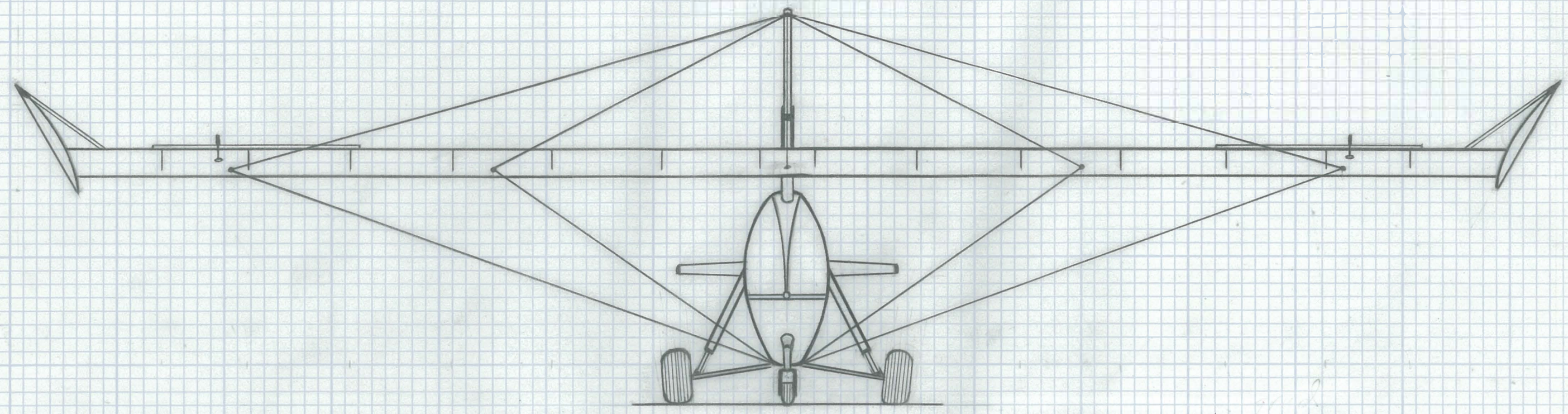
CRUISE SPEED	45-55 M.P.H.
TOP SPEED	72 M.P.H.
NEVER EXCEED SPEED	85 M.P.H.
STALL SPEED (MUSH ENTRY)	26 M.P.H.
MIN. MANEUVERING SPEED (MUSH)	8 M.P.H.
DESCENT RATE (MUSH)	1,000 F.P.M.
CLIMB RATE	1,400 F.P.M.
CEILING	18,000 FT.
RANGE	200 MILES
GLIDE RATIO (POWER OFF)	9/1, 11/1 WITH POD
SINK RATE (POWER OFF)	300 F.P.M.
ROLL RATE	60°/SECOND
TAKE-OFF DISTANCE	75-100 FT.
LANDING DISTANCE (BRAKES)	UNDER 50 FT.

ALL DATA TAKEN AT STANDARD ATMOSPHERE WITH 170 LB. PILOT



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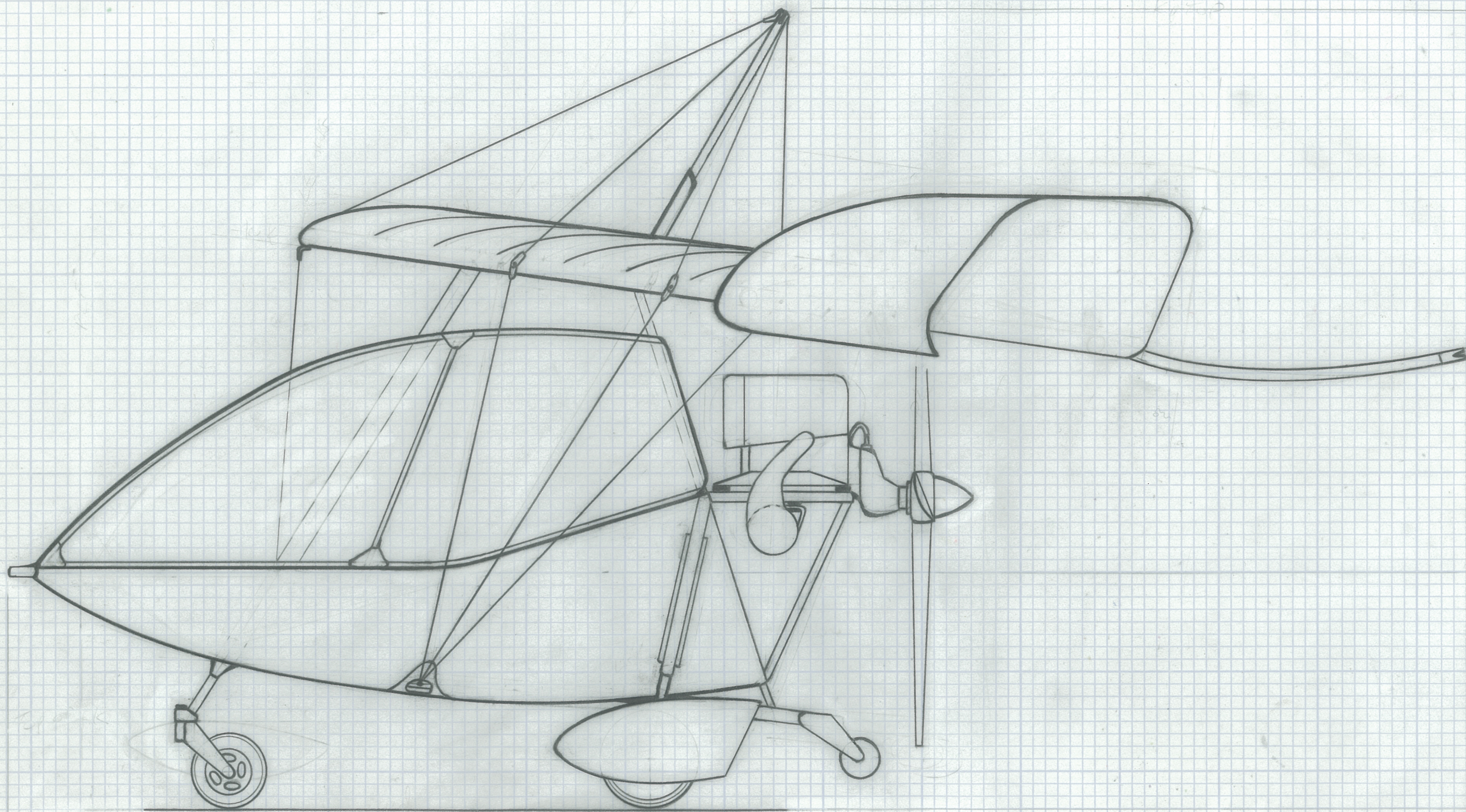
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62"

SCALE = 1/12

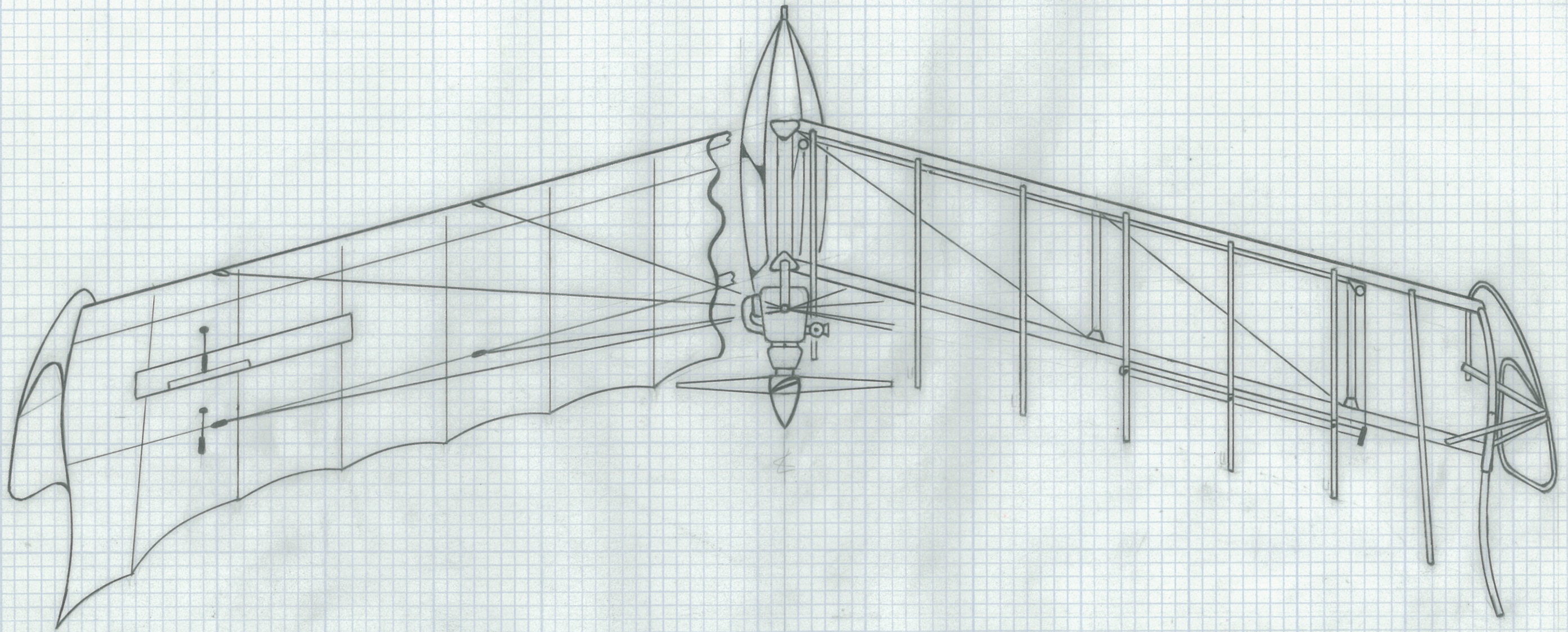


169" OA

97
Tail

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ELEVON TOR

KASPERWING 180-KII

SPECIFICATIONS

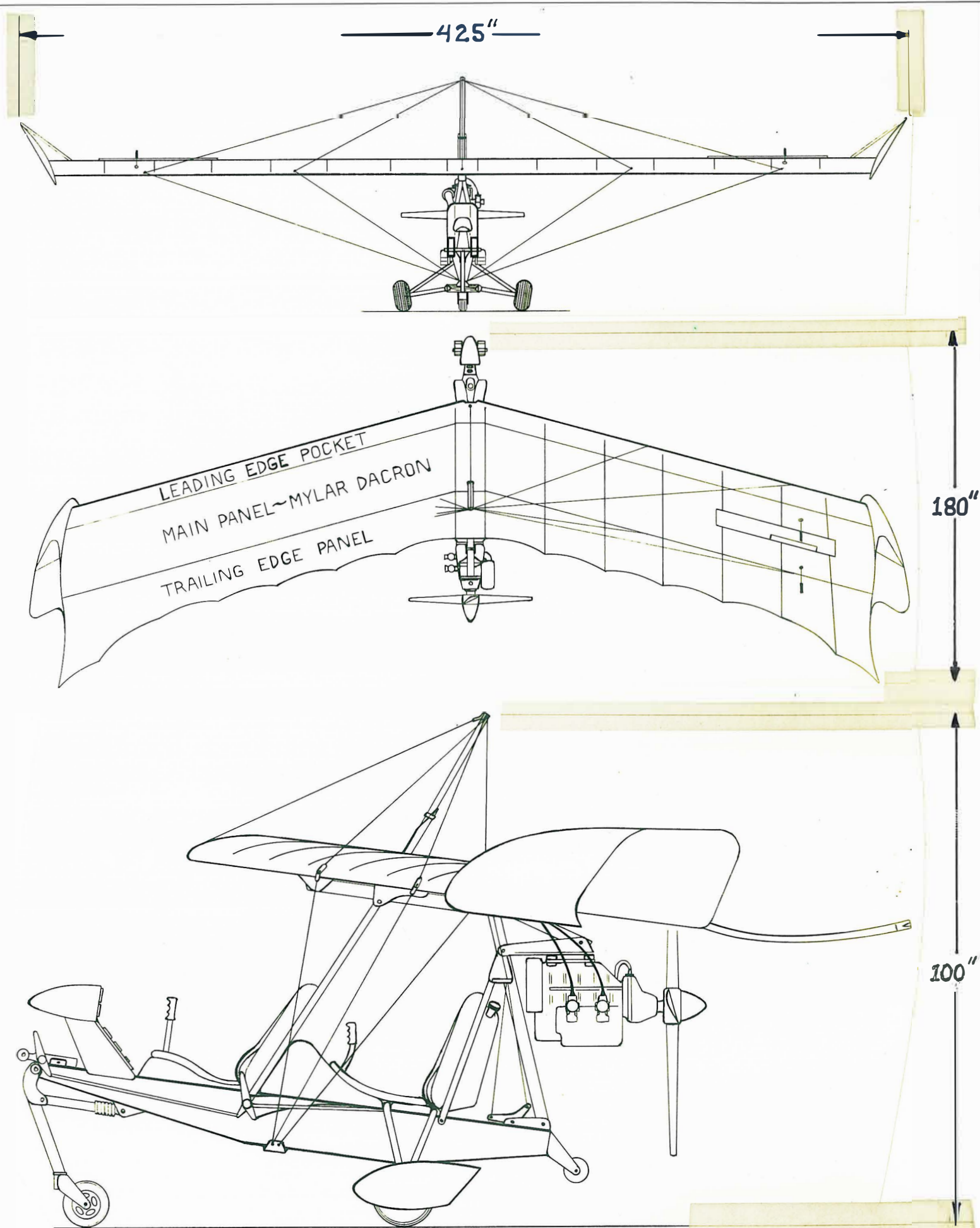
ENGINE	ROTAX 503, DUAL CARB.
HORSEPOWER	52 H.P.
PROP	4-BLADE ULTRAPROP
REDUCTION RATIO	2.23/1
WING SPAN	35 FT.
WING AREA	180 SQ. FT.
ASPECT RATIO	6.8
EMPTY WEIGHT	350 LBS.
GROSS WEIGHT	850 LBS.
USEFUL LOAD	500 LBS.
FUEL CAPACITY	10 GALLONS
AIRFRAME CONSTRUCTION	6061-T6
ULTIMATE LOAD FACTORS	+6, -4
FIELD ASSEMBLY TIME	45 MINUTES
METHOD OF TRANSPORT	TRAILER/CARTOP

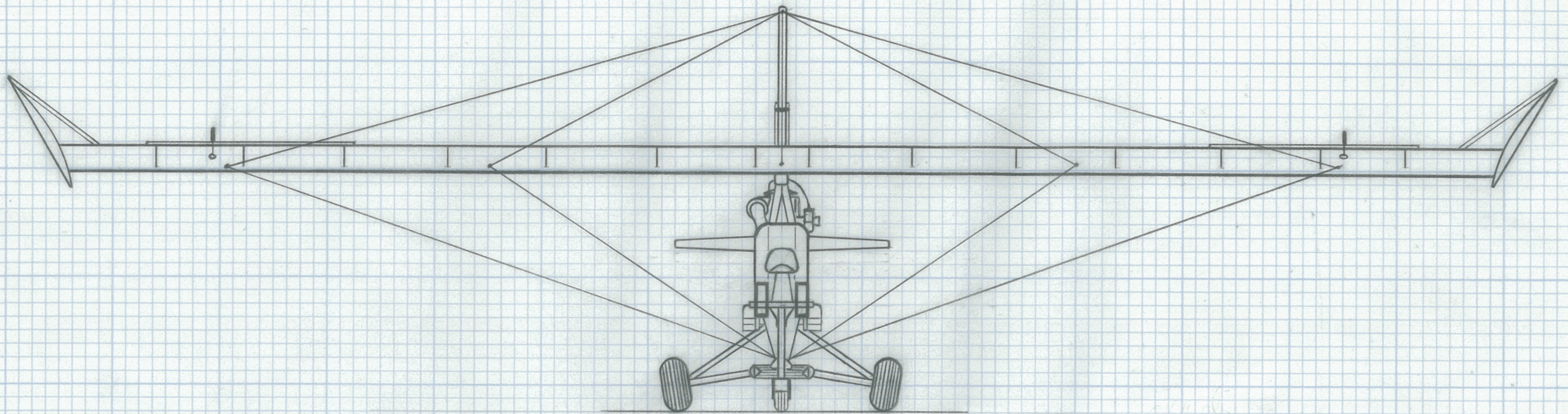
FLIGHT PERFORMANCE

	SOLO	GROSS
TOP SPEED	65 M.P.H.	65 M.P.H.
CRUISE	55 M.P.H.	55 M.P.H.
STALL SPEED (MUSH ENTRY SPEED)	28 M.P.H.	32 M.P.H.
MIN. MANEUVERING SPEED	8 M.P.H.	8 M.P.H.
NEVER EXCEED SPEED	85 M.P.H.	85 M.P.H.
CEILING	18,000 FT.	12,000 FT.
RANGE AT CRUISE	200 MILES	200 MILES
RATE OF CLIMB	1,200 F.P.M.	600 F.P.M.
TAKE-OFF DISTANCE	100 FT.	150 FT.
LANDING DISTANCE (HARD SURFACE & BRAKES)	35 FT.	50 FT.
POWER OFF GLIDE RATIO	7/1	7/1

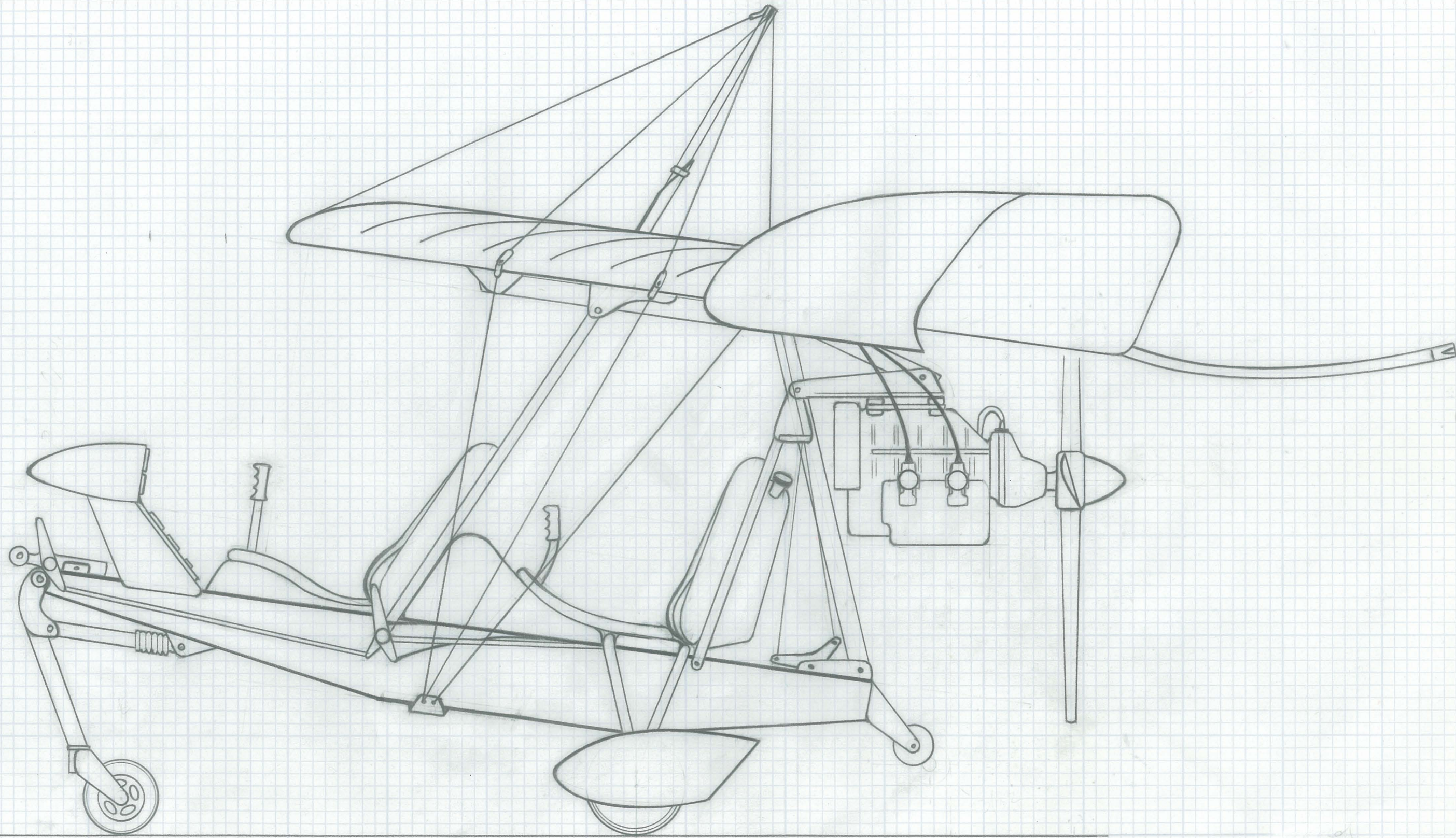
ALL DATA TAKEN AT STANDARD ATMOSPHERE WITH 170 LB. PILOT

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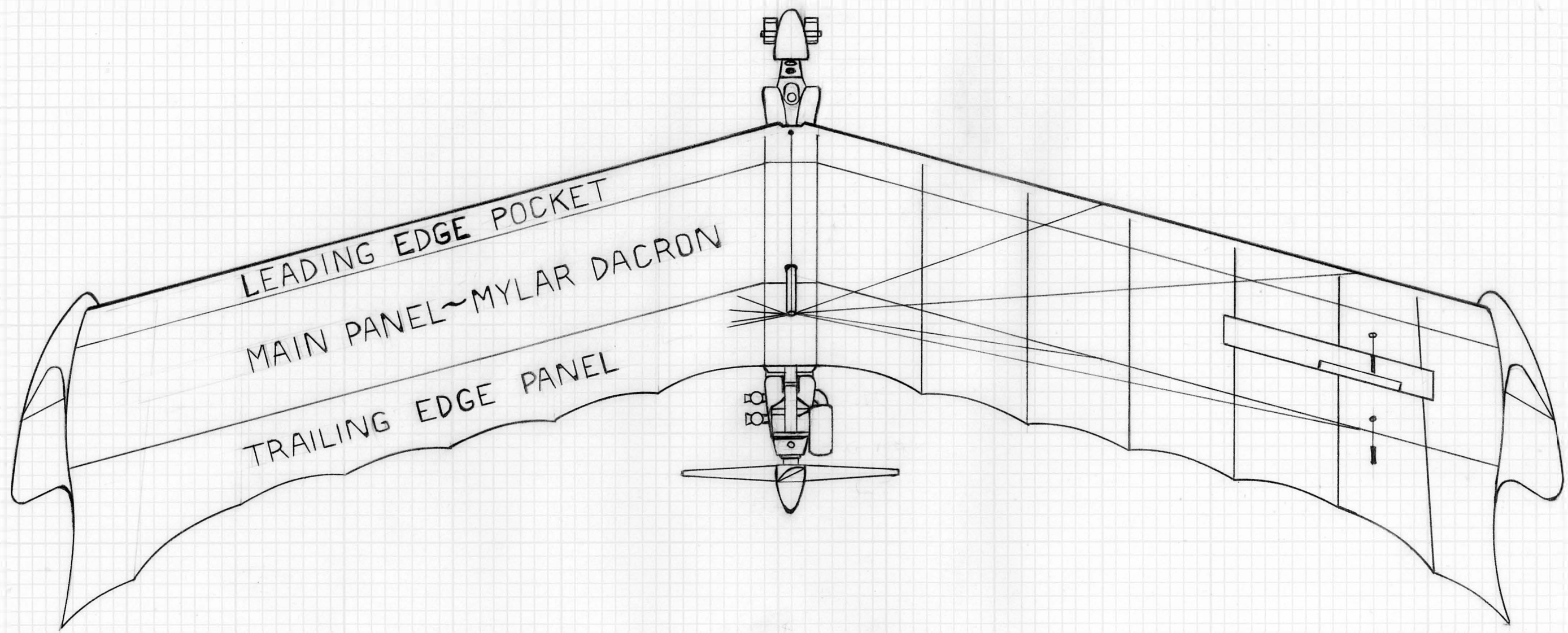




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LEADING EDGE POCKET
MAIN PANEL ~ MYLAR DACRON
TRAILING EDGE PANEL