



WEIGHTS (gms.)

WING	4.70
BODY	.60
TAIL	.10
BALL	.10
TOTAL	5.50

recommended weight for 35 ft. ceiling 5.70

Upstart 4
 AMA CAT. I IHLG
 NATL. RECORD 93.7 s.
 DESIGNED & DRAWN BY
 MARK DRELA
 4-16-80

NOTES

fiberglass is a passable substitute for carbon in the wing only.
 fuselage without carbon should weigh .9 grams.
 stab without carbon should be .030 thick in the middle.

RIGHT-RIGHT PATTERN

ENLARGE THIS LINE TO 2 INCHES FOR FULL SIZE PLAN OUTLINES

