A 46" (1,160mm.) SPAN FLYING WING SLOPE SOARER FOR 2 FUNCTION RADIO

MC MOD

COMET II

designed by

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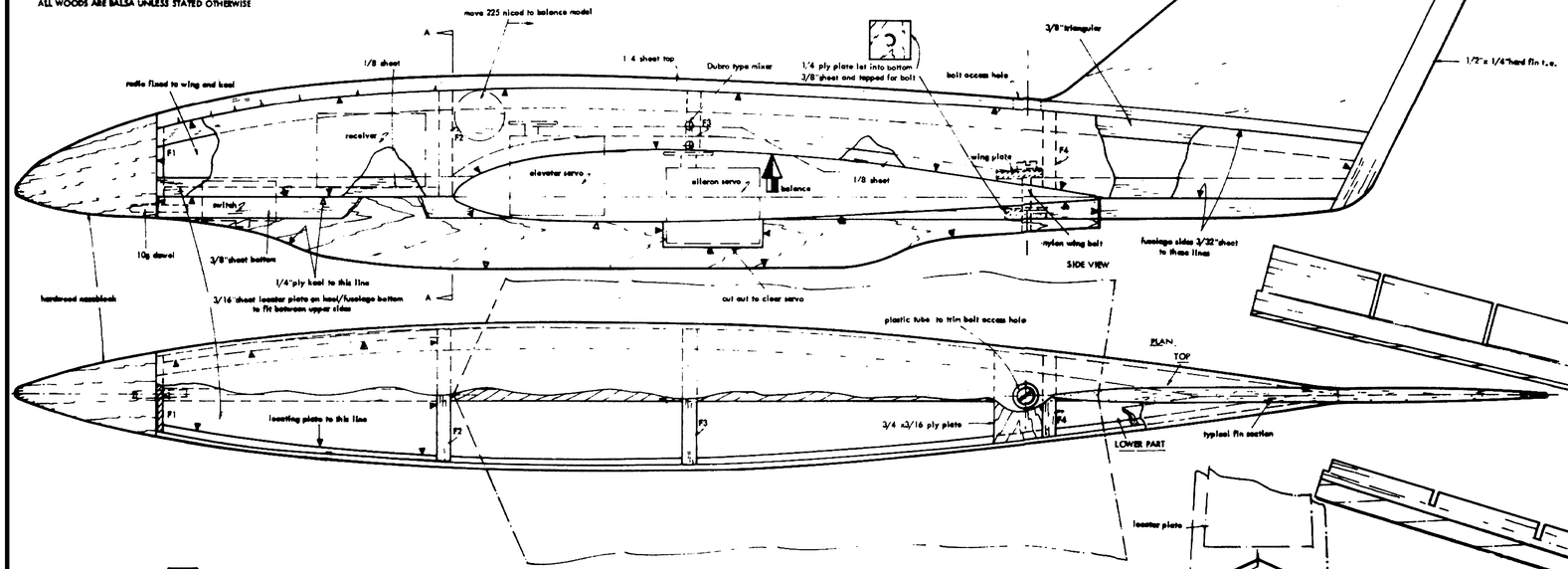
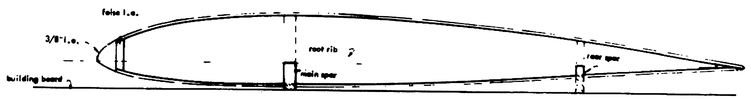
ALL WOODS ARE BALSA UNLESS STATED OTHERWISE





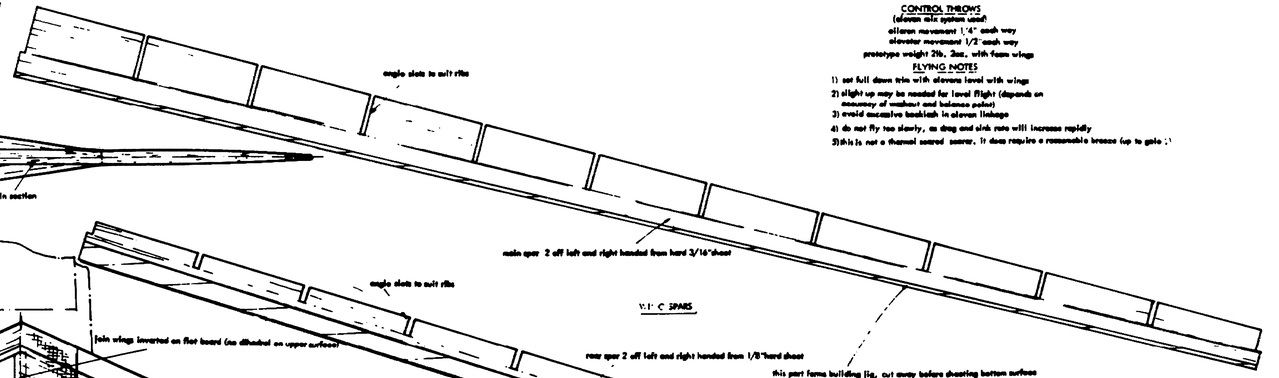
WING SECTIONS

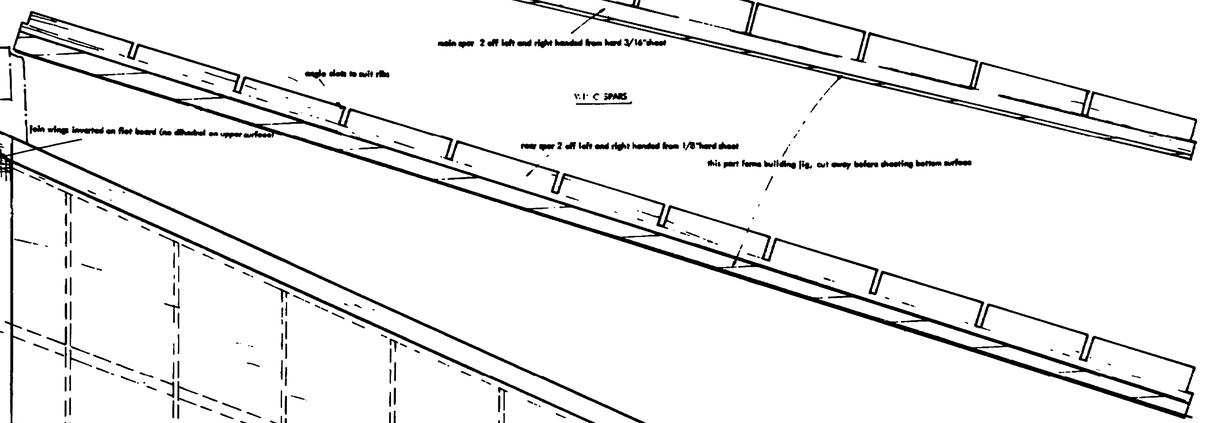
all ribs from 3/32" sheet produced by sandwich method

CONTROL THROWS
(eleven mix system used)
aileron movement 1/4" each way
elevator movement 1/2" each way
prototype weight 2lb. 2oz. with foam wings

FLYING NOTES

1) set full down trim with elevons level with wings
2) slight up may be needed for level flight (depends on accuracy of washout and balance point)
3) avoid excessive bankiah in eleven linkage
4) do not fly too slowly, as drag and sink rate will increase rapidly
5) this is not a thermal soared soarer. It does require a reasonable breeze (up to gale !)



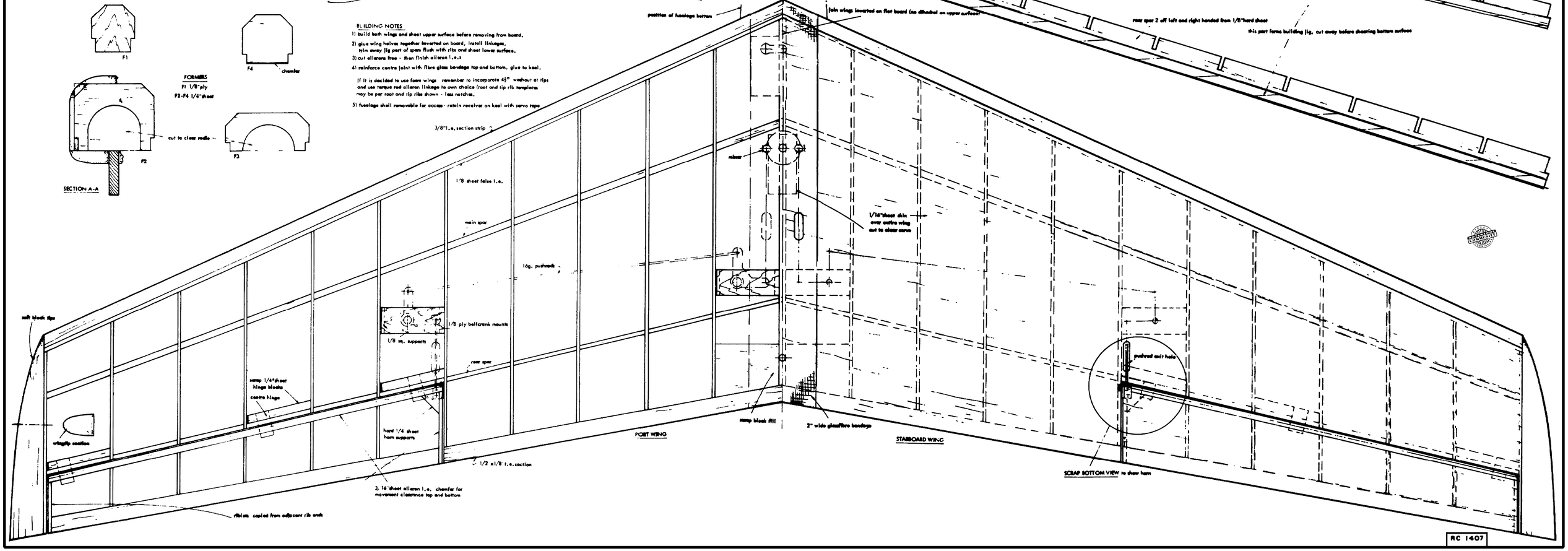


BUILDING NOTES

1) build both wings and sheet upper surface before removing from board.
2) glue wing halves together inverted on board, install linkages, trim away jig part of spars flush with ribs and sheet lower surface.
3) cut ailerons free - then finish aileron l.e.s
4) reinforce centre joint with fibre glass bandage top and bottom, glue to keel.

If it is decided to use foam wings remember to incorporate 4½° washout at tips and use torque rod aileron linkage to own choice (root and tip rib templates may be per root and tip ribs shown - less notches.

5) fuselage shell removable for access - retain receiver on keel with servo tape



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