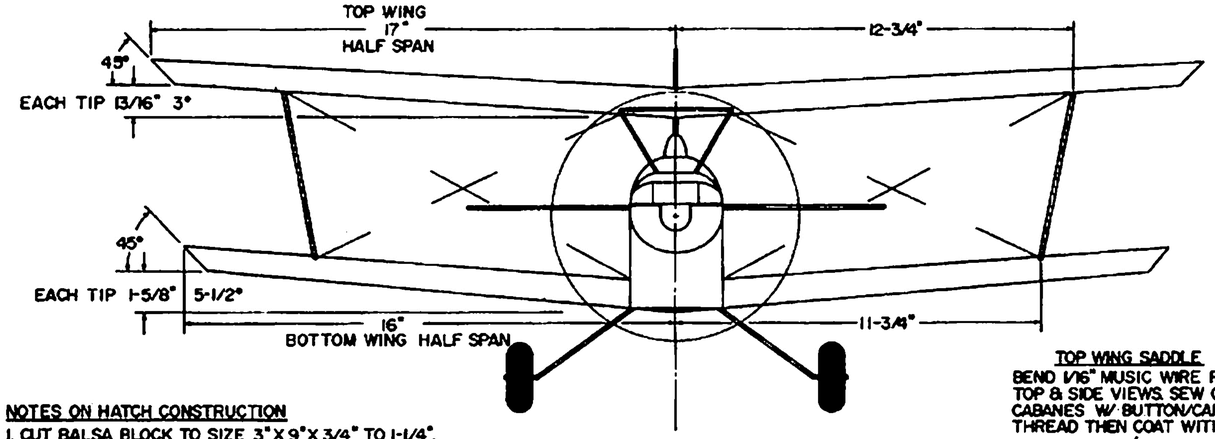

2 "ACE MINI FOAM TAPER WINGS" USED

ORDER PART NO. 13LI66, 2.95 EACH, FROM ACE R/C INC. 203 W. 19th ST. HIGGINSVILLE, MO. 64037

NOTE- USE ONLY EPOXY TO JOIN WING HALVES AND TO ADD BALSA TRAILING EDGE STOCK.

CUT TRAILING EDGE OF FOAM WING BACK 3/16" AND EPOXY 1/4" OR 3/16" X 3/4" TRAILING EDGE STOCK TO WING, MAKING SURE TOP TRAILING EDGE SURFACE IS IN LINE WITH WING SURFACE.

BOTTOM WING

TOP WING

WING TRAILING EDGE CUT-OUT DETAIL

WINDSHIELD TEMPLATE

NOTES ON HATCH CONSTRUCTION

1. CUT BALSA BLOCK TO SIZE 3" X 9" X 3/4" TO 1-1/4".
2. SAW CABANE STRUT SLOTS PER TOP & END VIEWS.
3. DRILL 1/4" DOWEL HOLE 3/4" DEEP.
4. ASSURE A GOOD FIT OF HATCH BLOCK TO TOP OF FUSE.
5. INSERT DOWEL & PLACE F3 ON END OF BLOCK OVER DOWEL.
6. CEMENT F3 IN PLACE USING THE HATCH BLOCK AS LOCATING FIXTURE.
7. AFTER COCKPIT COAMING IS INSTALLED CARVE HATCH TO FINISH SHAPE AND BLEND WITH COCKPIT AREA.
8. INSTALL CABANE STRUTS FLUSH WITH BOTTOM AND BACK OF BLOCK.

TOP WING SADDLE
BEND 1/16" MUSIC WIRE PER TOP & SIDE VIEWS. SEW ON TO CABANES W/ BUTTON/CARPET THREAD THEN COAT WITH EPOXY

FILL IN SLOT AFTER CABANE STRUTS ARE INSTALLED

3/8" SQ. SPRUCE MOUNT BLOCK

1/8" WING HOLD & LANDING GEAR DOWELS

1/8" SQ. BALSA STRINGERS

3/32" BALSA

3/32" SHEET BALSA

1/8" DOWEL

F6
3/32" BALSA

F5
3/32" BALSA

F4
3/32" BALSA

COCKPIT COAMING NOTES
CEMENT PIECE TO FUSE SIDE FIRST, THEN MOISTEN SURFACE, BEND & CEMENT TO CURVED TOP OF F3. THIS SHOULD BE DONE BEFORE HATCH BLOCK IS CARVED.

3/32" BALSA

COCKPIT COAMING - 2 REQ.

LOOP RUBBER BANDS AROUND WIRE TOP WING SADDLE & THRU THEMSELVES THEN OVER THE WING - USE 3 NO. 62 RUBBER BANDS ON EACH SIDE

MAIN L.G. STRUT HALF PATTERN FULL SIZE. 3/32" MUSIC WIRE

60° 60°

REAR VIEW OF HATCH

CABANE STRUT 1/16" PLY 2 REQ'D.

1-1/2" X 10-32 NYLON SCREW. EPOXY NUT TO UNDERSIDE OF MNT BLK

C.G.

BALSA HEADREST

1/8" BALSA SPINE 3/4" WIDE AT F4 · 3/16" WIDE AT F5

3/32" X 1/4" POST

3/32" BALSA

3/32" BALSA

USE 2" SCALE PILOT

3° DOWN THRUST

SS-3 SULLIVAN

F1

F2

F3

F4

F5

F6

STABILIZER

ACE 2 CHANNEL "DIGITAL COMMANDER" INSTALLATION SHOWN

BATT. PACK PACK IN FOAM

RCVR. PACK IN FOAM

3/32" SHEET BALSA SIDES (NEAR SIDE OMITED FOR CLARITY)

1/2" ◣ FILLETS

1/4" BALSA CHIN BLOCKS

INSTALL AFTER SPRUCE HATCH MOUNT BLOCK IS IN PLACE AND HATCH SCREW HOLE IS LOCATED IN HATCH BLOCK USING MOUNT BLOCK HOLE AS A GUIDE.

3/32" M.W. MAIN STRUT

3/32" BALSA STRUT

3/32" X 1/4" BALSA BRACES

1/16" BALSA BOTTOM SHEET INSTALLED CROSS-GRAIN

1/16" M.W.

NYLON TUBE EPOXIED & REINFORCED W/ COTTON OR FIBERGLAS TAPE.

3/4" TAILWHEEL

IMPORTANT
SEE NOTES ON HATCH CONSTRUCTION BEFORE INSTALLING F3.

1/4" HOLE

F3
3/32" PLY

RUBBER BAND REAR L.G. STRUT TO WING DOWEL.

1/16" M.W. REAR STRUT - BEND TO FIT AND SOLDER AT AXLE AFTER MAIN STRUT IS INSTALLED.

2-1/4" DUBRO WHEELS

BUILT-UP & FINISHED VIEWS OF COWL FACE

N-STRUT NOTES
CONSTRUCT 2 STRUTS OVER PLAN, BUT DO NOT INSTALL DOWEL PINS UNTIL STRUTS ARE FITTED BETWEEN THE WINGS AND HOLE LOCATIONS ARE SPOTTED.

1/8" DOWELS

N-STRUTS 2 REQ'D.
1/8" X 1/4" HD. BALSA OR SPRUCE

WING SPAN	34" TOP 32" BOTTOM
WING AREA	320 SQ. IN. TOTAL
LENGTH	28-1/2"
WEIGHT	26-36 OZ.
POWER	T.D. .049 — .19
CONTROL	RUDDER ONLY TO THREE CHANNEL

LANDING GEAR PLATE
3/32" PLY

F1
3/16" PLY

F2
3/32" PLY

LOCATE SERVO RAIL CUT OUTS TO FIT YOUR SERVOS. PUSHRODS MUST PASS BELOW THIS POINT.

HOLE FOR BATT. PLUG

1/4" BALSA
3/32" BALSA
3/32" BALSA

NOSE DOUBLER

BATT. DOUBLER

SERVO DOUBLER

SPORT BIPLANE

'ALL STAR'

DESIGNED & DRAWN BY	ROMEY BURGLT	INKED BY	RANDY KIDD DICK KIDD

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