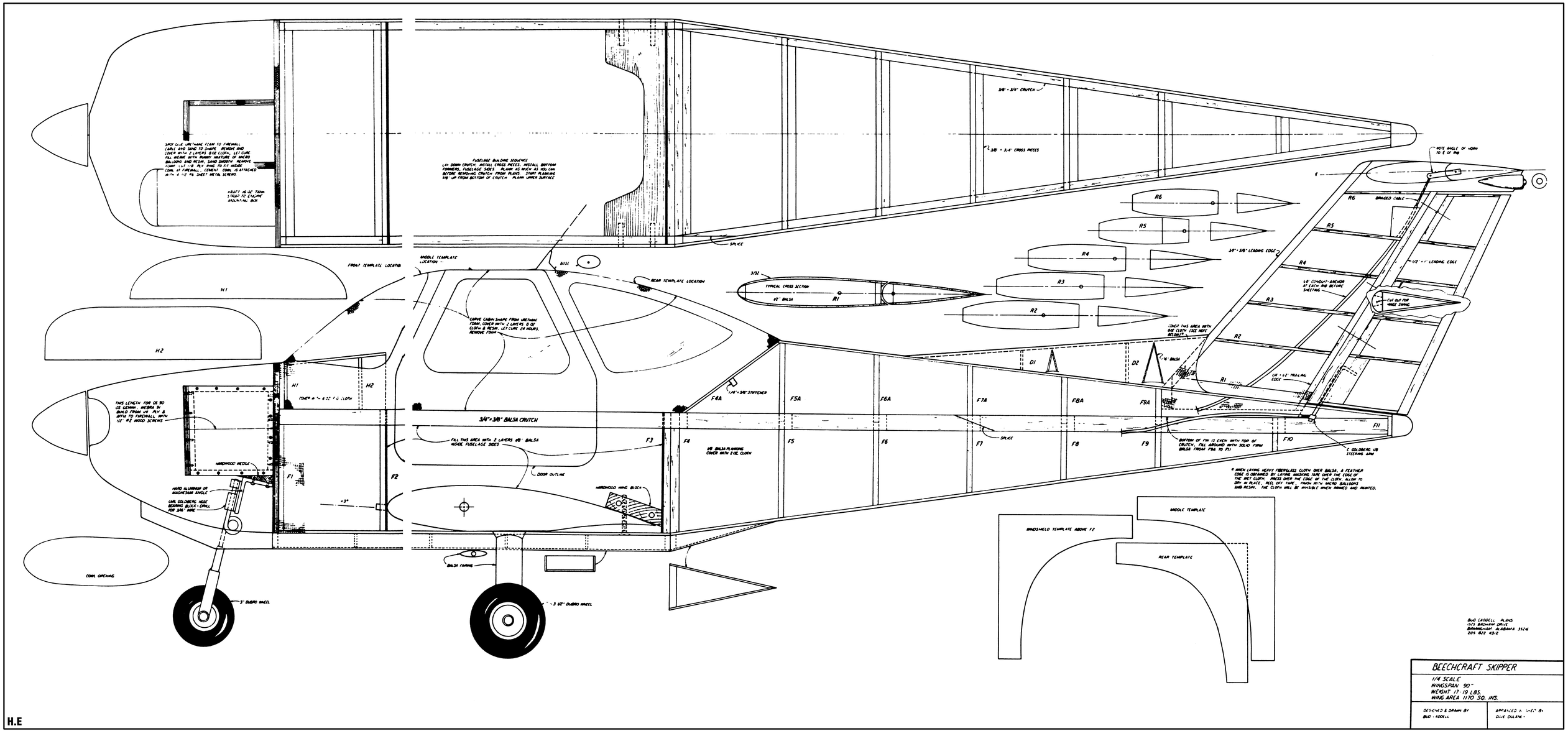
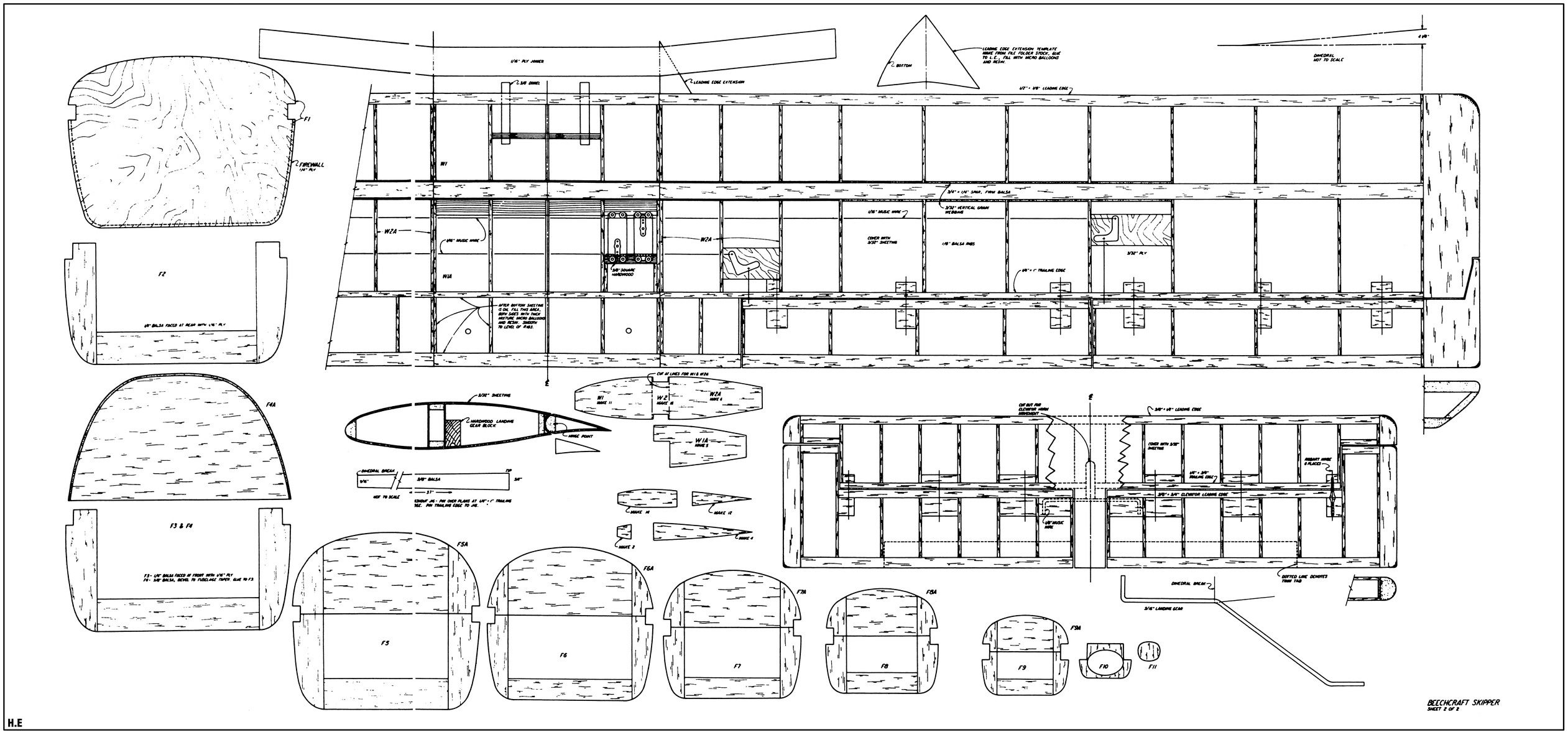

SPOT GLUE URETHANE FOAM TO FIREWALL. CARVE AND SAND TO SHAPE. REMOVE AND COVER WITH 2 LAYERS 6 OZ CLOTH. LET CURE TILL WEAKE WITH RUBBERY MIXTURE OF MICRO BALLOONS AND RESIN. SAND SMOOTH. REMOVE FOAM. CUT 1/8" PLY RING TO FIT INSIDE COWL AT FIREWALL. CEMENT. COWL IS ATTACHED WITH 4 1/2" #6 SHEET METAL SCREWS
+ABOUT 16-20 TAPE STRAP TO ENGINE MOUNTING BOW
FUSELAGE BUILDING SEQUENCE:
1.) DOOR CRUTCH. INSTALL CROSS PIECES. INSTALL BOTTOM FORMERS, FUSELAGE SIDES. PLANK AS MUCH AS YOU CAN BEFORE REMOVING CRUTCH FROM PLANS. SHAPE PLANKING 1/8" UP FROM BOTTOM OF CRUTCH. PLANK UPPER SURFACE
3/8" + 3/4" CRUTCH
3/8" + 3/4" CROSS PIECES
SPLICE
NOTE ANGLE OF HORN TO 1 1/2" OF RUD
BRAIDED CABLE
R6
R5
R4
R3
R2
R1
3/8" + 3/8" LEADING EDGE
1/2" + 1" LEADING EDGE
1/8 CONDUIT ANCHOR AT EACH RIB BEFORE SHEETING
CUT OUT FOR HINGE SAWING
1/8" + 1/2" TRAILING EDGE
FRONT TEMPLATE LOCATION
MIDDLE TEMPLATE LOCATION
REAR TEMPLATE LOCATION
BASE
3/32
TYPICAL CROSS SECTION
1/2" BALSA
R1
H1
H2
CARVE CABIN SHAPE FROM URETHANE FOAM. COVER WITH 2 LAYERS 6 OZ CLOTH & RESIN. LET CURE 24 HOURS. REMOVE FOAM
COVER THIS AREA WITH 6 OZ CLOTH (SEE NOTE BELOW)*
1/8" BALSA
D1
D2
F4A
1/8" + 3/8" STIFFENER
F5A
F6A
F7A
F8A
F9A
F11
F10
THIS LENGTH FOR OS 90 OS GEMINI. INSTALL 3/4" BUILD FROM 1/4" PLY & BATTA TO FIREWALL WITH 1/2" #8 WOOD SCREWS
COVER WITH 6 OZ F.G. CLOTH
3/4" + 3/8" BALSA CRUTCH
FILL THIS AREA WITH 2 LAYERS 1/8" BALSA INSIDE FUSELAGE SIDES
F3
F4
1/8 BALSA PLANKING COVER WITH 2 OZ. CLOTH
F5
F6
F7
F8
F9
BOTTOM OF FIN IS EVEN WITH TOP OF CRUTCH. FILL AROUND WITH SOLID 1" BALSA FROM F8A TO F11
GOLDBERG 1/8 STEERING ARM
HARDWOOD WEDGE
F1
F2
DOOR OUTLINE
HARDWOOD WING BLOCK
HARD ALUMINUM OR MAGNESIUM ANGLE
GAR. GOLDBERG NOSE BEARING BLOCK - DRILL FOR 3/8" WIRE
+3°
COWL OPENING
BALSA FAIRING
3" DUBRO WHEEL
~3 1/2" DUBRO WHEEL
* WHEN LAYING HEAVY FIBERGLASS CLOTH OVER BALSA, A FEATHER EDGE IS OBTAINED BY LAYING MASKING TAPE OVER THE EDGE OF THE WET CLOTH. PRESS OVER THE EDGE OF THE CLOTH. ALLOW TO DRY IN PLACE. PEEL OFF TAPE. FINISH WITH MICRO BALLOONS AND RESIN. THE CLOTH WILL BE INVISIBLE WHEN PRIMED AND PAINTED.
WINDSHIELD TEMPLATE ABOVE F2
MIDDLE TEMPLATE
REAR TEMPLATE
BUD CADDELL PLANS
1555 BADHAM DRIVE
BIRMINGHAM ALABAMA 35216
205 822 4312
BEECHCRAFT SKIPPER
1/4 SCALE
WINGSPAN 90"
WEIGHT 17-19 LBS.
WING AREA 1170 SQ. INS.
DESIGNED & DRAWN BY
BUD CADDELL
ARRANGED & SHEET BY
DAVE DULANE
H.E



BEECHCRAFT SKIPPER
SHEET 2 OF 2

H.E