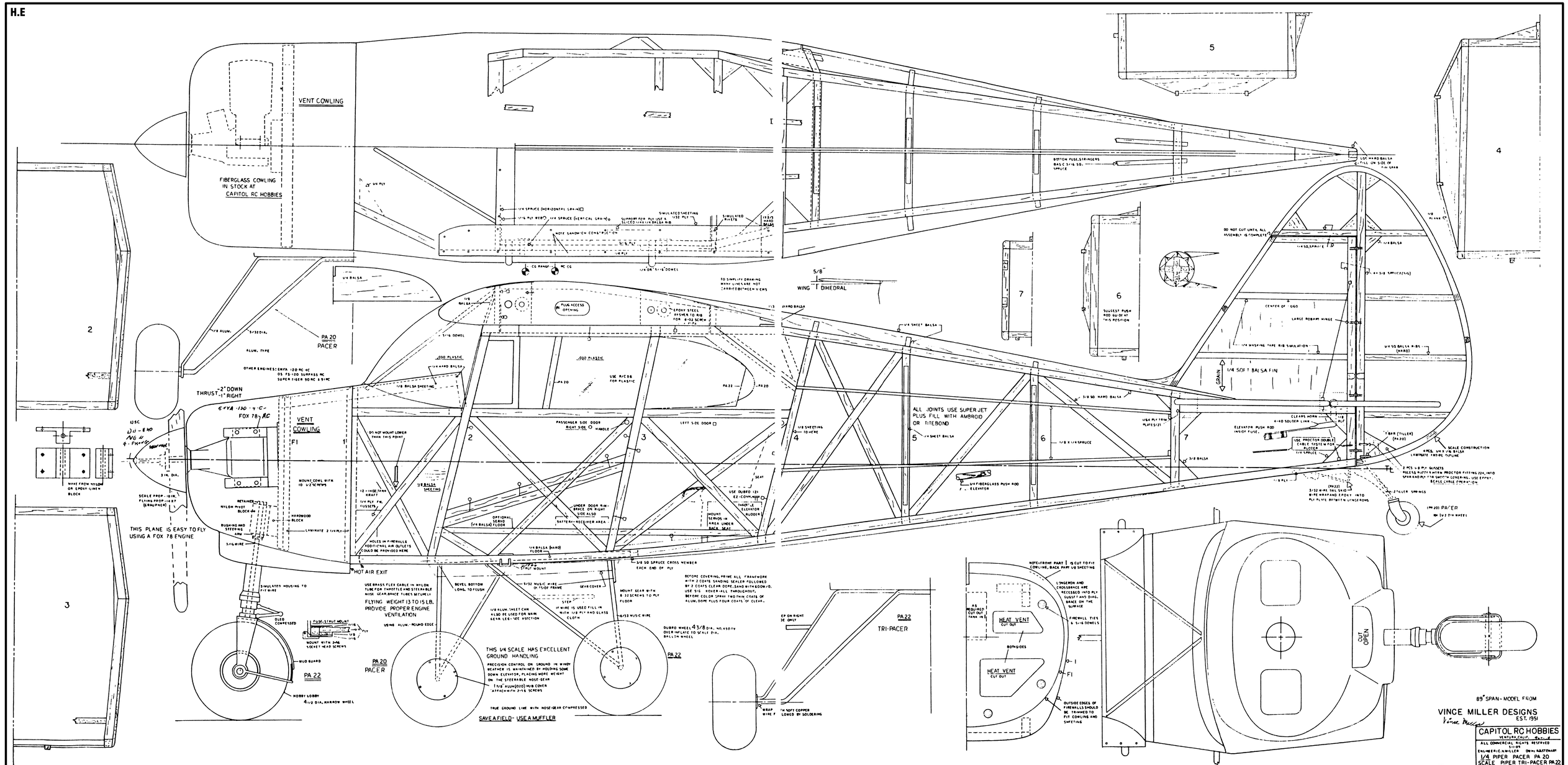
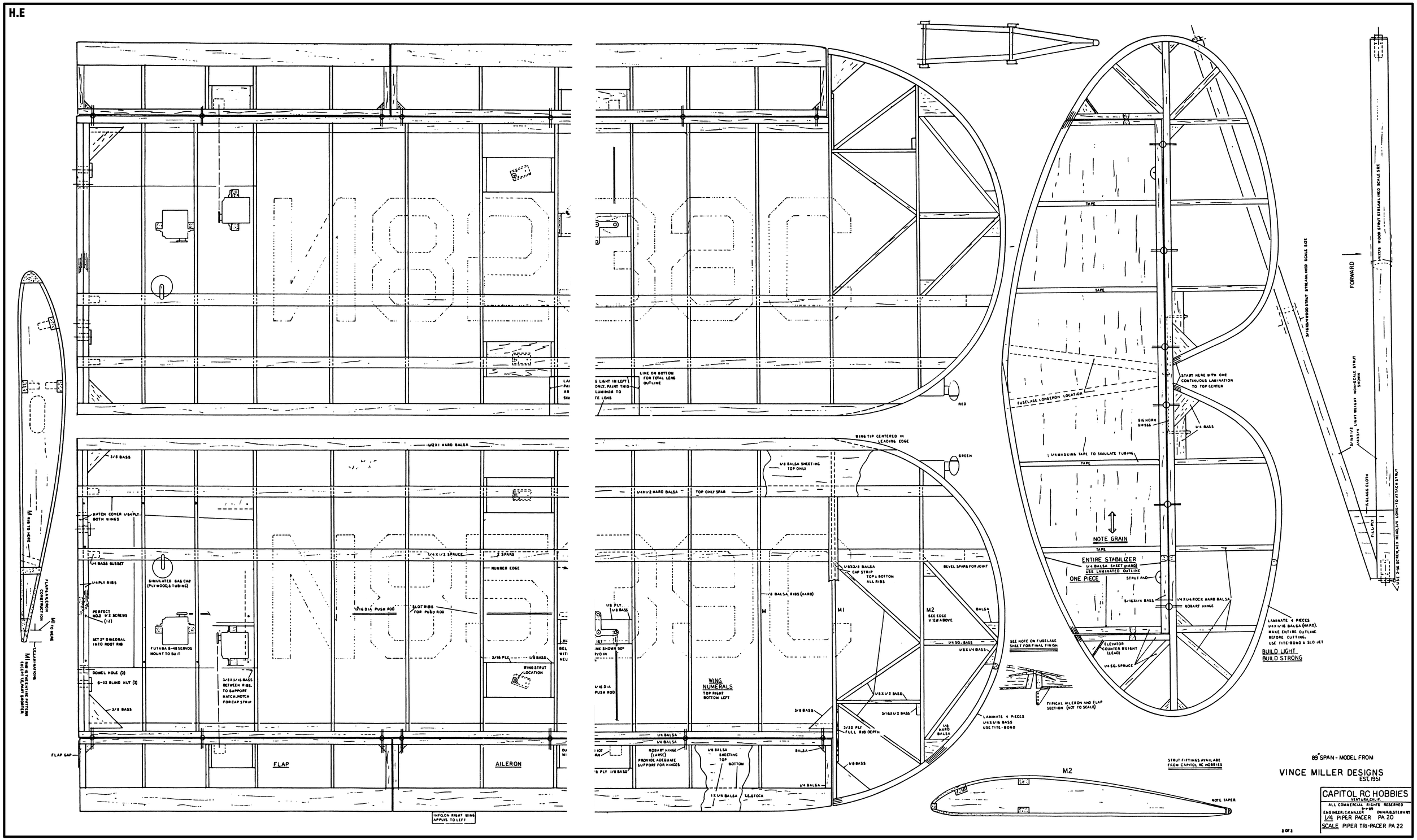
H.E


VENT COWLING
FIBERGLASS COWLING IN STOCK AT CAPITOL RC HOBBIES
PA 20 PACER
THRUST -2" DOWN -1" RIGHT
FOX 78 RC
VENT COWLING
F1
THIS PLANE IS EASY TO FLY USING A FOX 78 ENGINE
HOT AIR EXIT
FLYING WEIGHT 13 TO 15 LB.
PROVIDE PROPER ENGINE VENTILATION
THIS 1/4 SCALE HAS EXCELLENT GROUND HANDLING
SAVE A FIELD - USE A MUFFLER
PA 22
WING DIHEDRAL
ALL JOINTS USE SUPER JET PLUS FILL WITH AMBROID OR TITEBOND
1/4 SOFT BALSA FIN
PA 22 TRI-PACER
HEAT VENT CUT OUT
DUE OPEN
89" SPAN - MODEL FROM
VINCE MILLER DESIGNS
EST. 1951
CAPITOL RC HOBBIES
VENTURA, CALIF.
ALL COMMERCIAL RIGHTS RESERVED
ENGINEER: C. MILLER DRW: R. BARTHART
1/4 PIPER PACER PA 20
SCALE PIPER TRI-PACER PA 22
1 OF 2

H.E


1/32X1 HARD BALSA
3/8 BASS
HATCH COVER 1/64 PLY BOTH WINGS
1/4X1/2 SPRUCE
2 SPARS
NUMBER EDGE
1/4 BASS GUSSET
1/4 PLY RIBS
SIMULATED BAS CAP (PLYWOOD & TUBING)
PERFECT NO.2 1/2 SCREWS (12)
1/16 DIA PUSH ROD
SLOT RIBS FOR PUSH ROD
SET 2° DIHEDRAL INTO ROOT RIB
FUTABA S-148 SERVOS MOUNT TO SUIT
3/16 PLY
1/8 BASS
WING STRUT LOCATION
DOWEL HOLE (2)
6-32 BLIND NUT (2)
3/8X3/16 BASS BETWEEN RIBS. TO SUPPORT HATCH, NOTCH FOR CAP STRIP
3/8 BASS
FLAP GAP
FLAP
AILERON
INFO ON RIGHT WING APPLYS TO LEFT
FLAP & AILERON CONSTRUCTION
M1 TO WEAK
M1 TO WEAK
LEAD LAMINATIONS
M1 ALL RIBS THIS HEIGHT EXCEPT LEAD MAY BE SHORTER
LINE ON BOTTOM FOR TOTAL LENS OUTLINE
RED
WING TIP CENTERED IN LEADING EDGE
1/8 BALSA SHEETING TOP ONLY
GREEN
1/4X1/2 HARD BALSA
TOP ONLY SPAR
1/8 BALSA RIBS (HARD)
1/8X3/8 BALSA CAP STRIP TOP & BOTTOM ALL RIBS
BEVEL SPARS FOR JOINT
M1
M2
SEE EDGE VIEW ABOVE
BALSA
1/4 SQ. BASS
1/8X1/4 BASS
1/8 PLY 1/8 BASS
WING NUMERALS
TOP RIGHT BOTTOM LEFT
1/8X1/2 BASS
3/16X1/2 BASS
3/32 PLY FULL RIB DEPTH
3/8 BASS
1/8 HARD BALSA
LAMINATE 4 PIECES 1/8X1/16 BASS USE TITE-BOND
1/4 BALSA
ROBART HINGE (LARGE) PROVIDE ADEQUATE SUPPORT FOR HINGES
1/8 BALSA SHEETING TOP BOTTOM
BALSA
1/8 BASS
1/4 BALSA
12 1/4 BALSA LEAD STOCK
1/16 DIA PUSH ROD
1/8 PLY 1/8 BASS
M2
NOTE TAPER
STRUT FITTINGS AVAILABE FROM CAPITOL RC HOBBIES
TAPE
START HERE WITH ONE CONTINUOUS LAMINATION TO TOP CENTER
FUSELAGE LONGERON LOCATION
SIG HORN SIMASS
1/4 BASS
1 1/4 MASKING TAPE TO SIMULATE TUBING
NOTE GRAIN
ENTIRE STABILIZER
1/4 BALSA SHEET (HARD) USE LAMINATED OUTLINE
ONE PIECE
STRUT PAD
3/16X1/4 BASS
1/4X1/4 ROCK HARD BALSA
ROBART HINGE
ELEVATOR COUNTER WEIGHT (LEAD)
1/4 SQ. SPRUCE
LAMINATE 4 PIECES 1/4X1/16 BALSA (HARD). MAKE ENTIRE OUTLINE BEFORE CUTTING. USE TITE-BOND & SLO JET
BUILD LIGHT BUILD STRONG
SEE NOTE ON FUSELAGE SHEET FOR FINAL FINISH
TYPICAL AILERON AND FLAP SECTION (NOT TO SCALE)
3/16X3/8 WOOD STRUT STREAMLINED SCALE SIZE
FORWARD
3/16X1/2 LIGHT WEIGHT NON-SCALE STRUT 3/16X3/4
FIBERGLASS CLOTH
FILLET
USE #10 SCREW, NO HEAD, 3/4 LONG TO ATTACH STRUT
89" SPAN - MODEL FROM
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VENTURA, CALIF.
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ENGINEER: C.W.MILLER
DWNR: R.STEWART
1/4 PIPER PACER PA 20
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2 OF 2