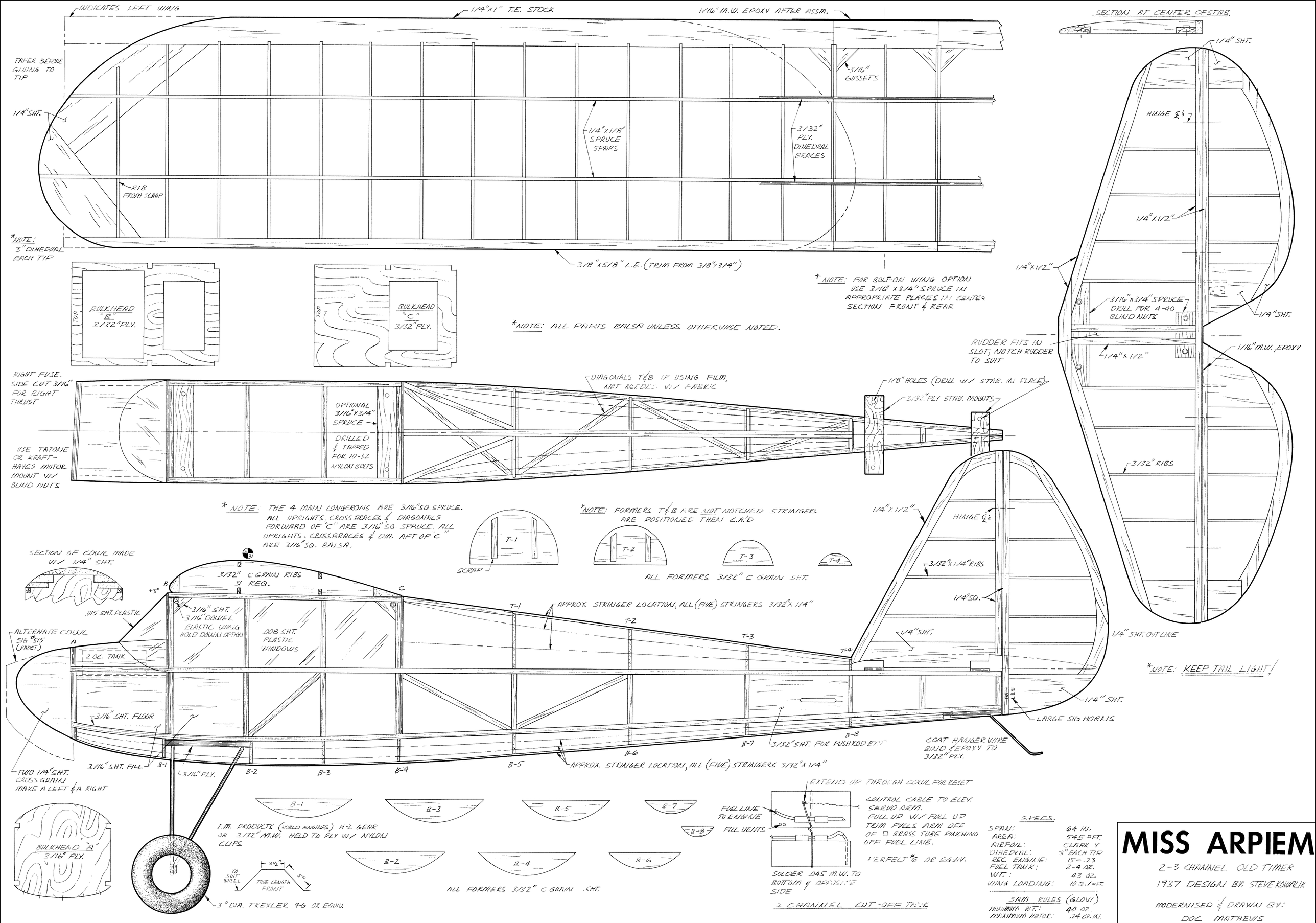
INDICATES LEFT WING
1/4"x1" T.E. STOCK
1/16" M.W. EPOXY AFTER ASSM.
SECTION AT CENTER OF STAB.
TAPER BEFORE GLUING TO TIP
1/4" SHT.
3/16" GUSSETS
1/4"x1/8" SPRUCE SPARS
3/32" PLY. DIHEDRAL BRACES
RIB FROM SCRAP
*NOTE: 3" DIHEDRAL EACH TIP
3/8"x5/8" L.E. (TRIM FROM 3/8"x3/4")
*NOTE: FOR BOLT-ON WING OPTION USE 3/16" x 3/4" SPRUCE IN APPROPRIATE PLACES IN CENTER SECTION FRONT & REAR
HINGE ℄'s
1/4"x1/2"
3/16"x3/4" SPRUCE DRILL FOR 4-40 BLIND NUTS
RUDDER FITS IN SLOT, NOTCH RUDDER TO SUIT
1/16" M.W., EPOXY
BULKHEAD "B" 3/32" PLY.
TOP
BULKHEAD "C" 3/32" PLY.
*NOTE: ALL PARTS BALSA UNLESS OTHERWISE NOTED.
RIGHT FUSE. SIDE CUT 3/16" FOR RIGHT THRUST
DIAGONALS T&B IF USING FILM, NOT NEEDED W/ FABRIC
1/8" HOLES (DRILL W/ STAB. IN PLACE)
3/32" PLY STAB. MOUNTS
OPTIONAL 3/16"x3/4" SPRUCE
DRILLED & TAPPED FOR 10-32 NYLON BOLTS
USE TATONE OR KRAFT-HAYES MOTOR MOUNT W/ BLIND NUTS
3/32" RIBS
*NOTE: THE 4 MAIN LONGERONS ARE 3/16" SQ. SPRUCE. ALL UPRIGHTS, CROSS BRACES & DIAGONALS FORWARD OF "C" ARE 3/16" SQ. SPRUCE. ALL UPRIGHTS, CROSSBRACES & DIA. AFT OF "C" ARE 3/16" SQ. BALSA.
T-1
SCRAP
*NOTE: FORMERS T&B ARE NOT NOTCHED STRINGERS ARE POSITIONED THEN C.A'D
T-2
T-3
T-4
ALL FORMERS 3/32" C GRAIN SHT.
3/32"x1/4" RIBS
1/4" SQ.
1/4" SHT.
1/4" SHT. OUTLINE
SECTION OF COWL MADE W/ 1/4" SHT.
3/32" C GRAIN RIBS 31 REQ.
+3°
B
C
.015 SHT. PLASTIC
3/16" SHT.
3/16" DOWEL
ELASTIC WING HOLD DOWN OPTION
.008 SHT. PLASTIC WINDOWS
APPROX. STRINGER LOCATION, ALL (FIVE) STRINGERS 3/32"x1/4"
ALTERNATE COWL SIG #515 (KADET)
A
2 OZ. TANK
3/16" SHT. FLOOR
*NOTE: KEEP TAIL LIGHT!
LARGE SIG HORNS
3/32" SHT. FOR PUSHROD EXIT
COAT HANGER WIRE BIND & EPOXY TO 3/32" PLY.
TWO 1/4" SHT. CROSS GRAIN MAKE A LEFT & A RIGHT
3/16" SHT. FILL
B-1
3/16" PLY.
B-2
B-3
B-4
B-5
B-6
B-7
B-8
APPROX. STRINGER LOCATION, ALL (FIVE) STRINGERS 3/32"x1/4"
BULKHEAD "A" 3/16" PLY.
I.M. PRODUCTS (WORLD ENGINES) H-2 GEAR OR 3/32" M.W. HELD TO PLY W/ NYLON CLIPS
TO SUIT WHEEL
3 1/2"
TRUE LENGTH FRONT
5 1/2
3" DIA. TREXLER 9-G OR EQUIV.
ALL FORMERS 3/32" C GRAIN SHT.
EXTEND UP THROUGH COWL FOR RESET
FUEL LINE TO ENGINE
FILL VENTS
CONTROL CABLE TO ELEV. SERVO ARM. FULL UP W/ FULL UP TRIM PULLS ARM OFF OF □ BRASS TUBE PINCHING OFF FUEL LINE.
PERFECT #6 OR EQUIV.
SOLDER .045 M.W. TO BOTTOM & OPPOSITE SIDE
2 CHANNEL CUT-OFF TANK
SPECS.
SPAN: 64 IN.
AREA: 545 □FT.
AIRFOIL: CLARK Y
DIHEDRAL: 3" EACH TIP
REC. ENGINE: 15-.23
FUEL TANK: 2-4 OZ.
WT.: 43 OZ.
WING LOADING: 10 OZ./□FT.
SAM RULES (GLOW)
MAXIMUM WT.: 40 OZ.
MAXIMUM MOTOR: .24 CU. IN.
MISS ARPIEM
2-3 CHANNEL OLD TIMER
1937 DESIGN BY: STEVE KOWALIK
MODERNISED & DRAWN BY:
DOC MATHEWS