

GREEN WING LIGHTS

NO DIHEDRAL TOP OF WING AT MAIN SPAR IS STRAIGHT

THIS DOOR, 3/16" Balsa, HINGES @ TOP, SWINGS BACK

1/4" PLY F1 ONLY

ALL FORMERS 3/16" PLY

1/8" PLY STRONG BACKS

COWLING MOUNTS 4 REQ'D

F3B IS CUTOUT FOR LG WIRE AND SANDWICH BETWEEN F3 AND F3A

THIS OPENING COCKPIT DOOR

WOOD PLUG

BRASS SHEET, SLID FIT ON HARDWOOD

SPRING

HARDWOOD

SIG SPADE BOLTS EACH END

MAKE FROM MILD STEEL

#4 BOLT 1/8" HOLE 3/16" HOLE

SOFT SOLDER LG WIRES TO BLOCK

1/4" SOFT Balsa FAIRING BETWEEN F3 AND F7

WING HOLD DOWN AND LG ATTACH F5 ONLY

1/8" PLY EPOXIED TO INSIDE OF COWL USE #4 SCREWS AND BLIND NUTS IN F1.

1/16" HARD ALUM. 4 REQ'D

TRUE PATTERN 3/16" WIRE

PLY WING SPAR/FORMER BUTT JOINT LINE

SCALE PROP DIA.

FOR COWLING CONSTRUCTION SEE TEXT

BIND AND SOLDER

FAIRING FROM HARD PAPER

3/32" RIBS

1/16" PLANKING

CLEAR PLASTIC LIGHT FAIRING

BATTERY PACK AREA

SIDE MOUNTED FUEL TANK

SIDE MOUNTED 60 to 80 ENGINE RADIAL MOUNT AS REQ'D NO THRUST OFFSET

INST. PANEL F1

LOUVERED OIL INSP. PLATE F2

F3

F4

F5

F6

F7

1/16" Balsa BLK HD CUT TO FIT

1/4" x 1/8" HARDWOOD

F8

F9

F10

F11

COCKPIT FLOOR

RCVR AREA

SERVO AREA

#4 BOLTS

F3B F3A

CABIN FLOOR

DOOR HINGES 1/8" BRASS TUBE AND .005 BRASS SHEET

DOOR MUST OPEN TO MOUNT WING

DOOR AND WINDOW FRAMES CUT FROM CARDBOARD

HARDWOOD BLOCK

SOFT Balsa FAIRING

BRASS SHEET TIE DOWN

SOFT Balsa TAIL CONE

ATTACHED TO #4 BOLT IN LG BLOCK

AXLE INSPECTION PLATE

5" WILLIAMS BROS.

WHEEL PANTS 1/16" PLY SIDES LAMINATED 1/4" Balsa CORE

PANT AND STRUT FAIRINGS 1/16" PLEXIGLASS SEE TEXT

MAKE STEP FROM LAYERS OF BLACK TRIM TAPE CUT TO SHAPE

TOP AND BOTTOM KEELS 3/16" PLY FUSELAGE PLANKED WITH 1/8" Balsa DOUBLERS ON KEEL

SIMULATED LEATHER STRIPS BROWN-TRIM TAPE REVERSIBLE SHOE MAKE FROM BRASS SHEET

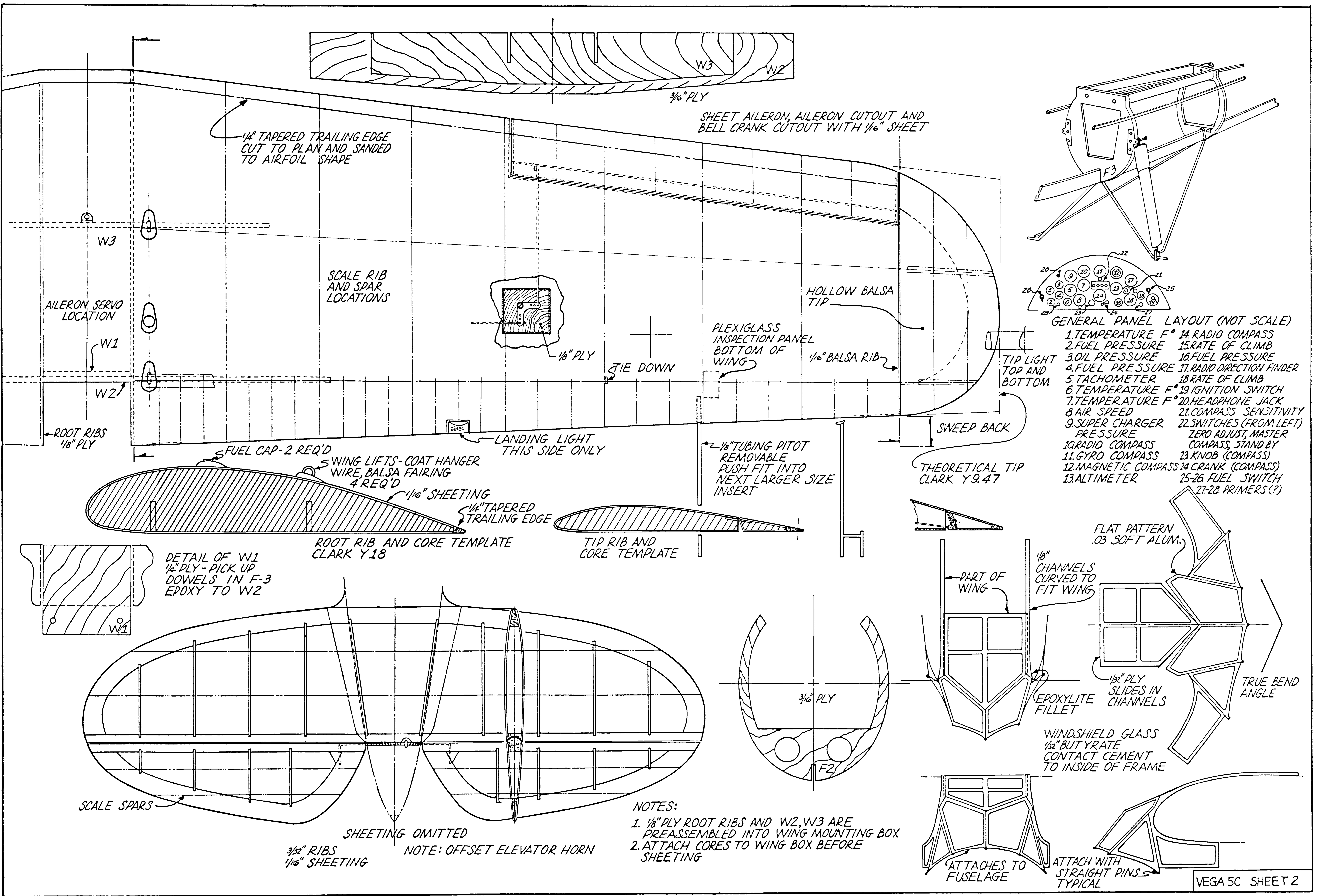
NYROD PUSHRODS ROUTED BOTH SIDES OF KEEL

NOTES:

1. TATONE WING HOLD DOWNS. BUTT JOINT WITH F5 MOUNTING DRILLED FOR 1/4"-28 CLEARANCE.
2. REAR LG STRUT CUT TO FIT AFTER INSTALLATION AND ALIGNMENT OF MAIN STRUT IMPORTANT. NO TOE IN OF WHEELS, CAMBER AS SHOWN.
3. TWO LONGERONS INSTALLED WHILE KEEL AND FORMERS HELD IN JIG; PLACEMENT NOT SHOWN IN CROSS SECTION.
4. WINDOWS 1/2" BUTYRATE FLUSH WITH SKIN. FRAMES ADDED OUTSIDE SKIN.
5. COLOR SCHEME AND MARKINGS SEE TEXT.

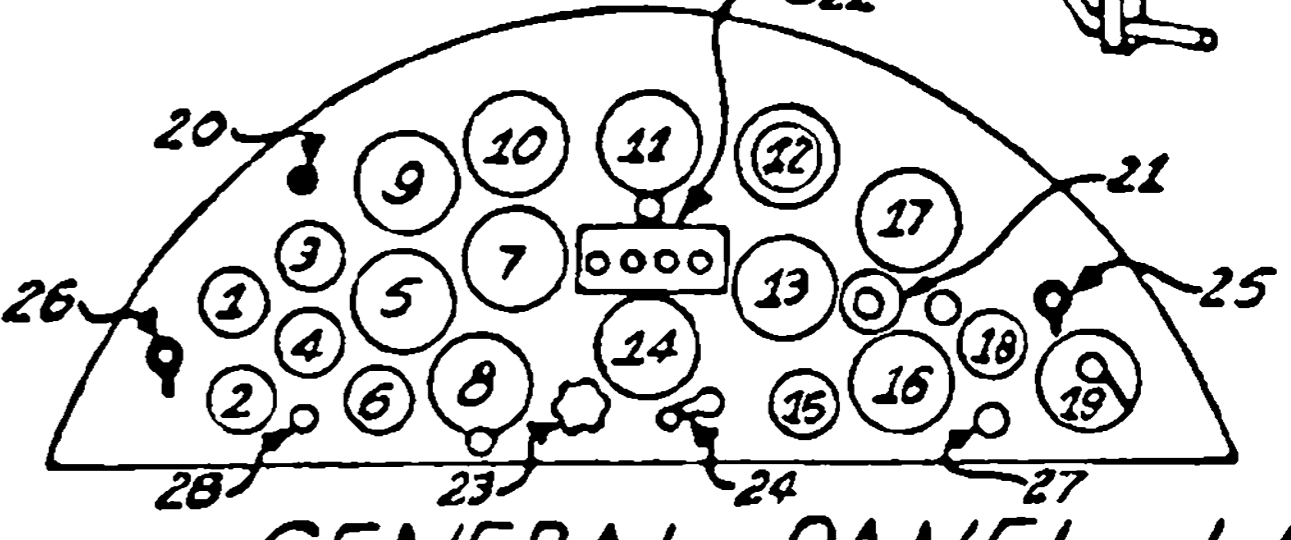
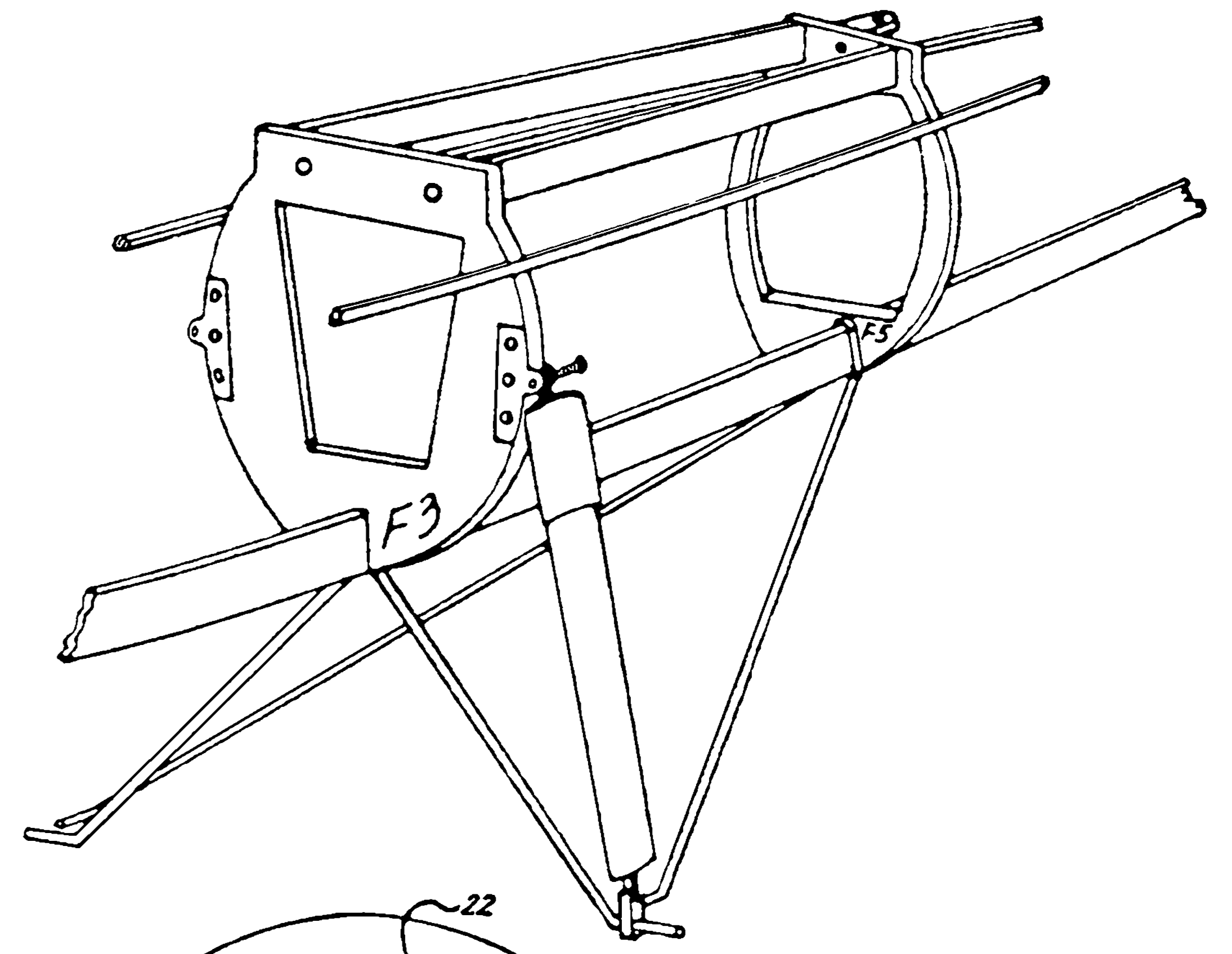
THE WINNIE MAE

OF OKLAHOMA
VEGA 5C LOCKHEED AIRCRAFT COMPANY
SCALE 2"=1'
SHEET 1 OF 2
M.B. GROVES APRIL '70



1/4" TAPERED TRAILING EDGE CUT TO PLAN AND SANDED TO AIRFOIL SHAPE

SHEET AILERON, AILERON CUTOUT AND BELL CRANK CUTOUT WITH 1/16" SHEET



GENERAL PANEL LAYOUT (NOT SCALE)

- 1. TEMPERATURE F°
- 2. FUEL PRESSURE
- 3. OIL PRESSURE
- 4. FUEL PRESSURE
- 5. TACHOMETER
- 6. TEMPERATURE F°
- 7. TEMPERATURE F°
- 8. AIR SPEED
- 9. SUPER CHARGER
- 10. RADIO COMPASS
- 11. GYRO COMPASS
- 12. MAGNETIC COMPASS
- 13. ALTIMETER
- 14. RADIO COMPASS
- 15. RATE OF CLIMB
- 16. FUEL PRESSURE
- 17. RADIO DIRECTION FINDER
- 18. RATE OF CLIMB
- 19. IGNITION SWITCH
- 20. HEADPHONE JACK
- 21. COMPASS SENSITIVITY
- 22. SWITCHES (FROM LEFT) ZERO ADJUST, MASTER COMPASS, STAND BY
- 23. KNOB (COMPASS)
- 24. CRANK (COMPASS)
- 25-26. FUEL SWITCH
- 27-28. PRIMERS(?)

TIP LIGHT TOP AND BOTTOM

THEORETICAL TIP CLARK Y9.47

ROOT RIBS 1/8" PLY

FUEL CAP-2 REQ'D

LANDING LIGHT THIS SIDE ONLY

1/8" TUBING PITOT REMOVABLE PUSH FIT INTO NEXT LARGER SIZE INSERT

SWEEP BACK

SCALE RIB AND SPAR LOCATIONS

AILERON SERVO LOCATION

HOLLOW Balsa TIP

PLEXIGLASS INSPECTION PANEL BOTTOM OF WING

TIE DOWN

1/16" Balsa RIB

1/8" PLY

W3

W1

W2

W3

W2

3/16" PLY

W3

W1

ROOT RIB AND CORE TEMPLATE CLARK Y18

TIP RIB AND CORE TEMPLATE

DETAIL OF W1 1/2" PLY - PICK UP DOWELS IN F-3 EPOXY TO W2

SWING LIFTS-COAT HANGER WIRE, Balsa FAIRING 4 REQ'D

1/4" TAPERED TRAILING EDGE

PART OF WING

FLAT PATTERN .03 SOFT ALUM.

1/8" CHANNELS CURVED TO FIT WING

1/32" PLY SLIDES IN CHANNELS

TRUE BEND ANGLE

WINDSHIELD GLASS 1/32" BUTYRATE CONTACT CEMENT TO INSIDE OF FRAME

ATTACHES TO FUSELAGE

ATTACH WITH STRAIGHT PINS TYPICAL

SCALE SPARS

SHEETING OMITTED

3/32" RIBS 1/16" SHEETING

NOTE: OFFSET ELEVATOR HORN

NOTES:

- 1. 1/8" PLY ROOT RIBS AND W2, W3 ARE PREASSEMBLED INTO WING MOUNTING BOX
- 2. ATTACH CORES TO WING BOX BEFORE SHEETING