

**NOTE:**  
 BUILD OUTER WING PANELS UPSIDE DOWN AS UPPER SURFACE OF WING IS FLAT (NO DIHEDRAL) FROM TIP TO TIP.

**NOTE:**  
 ALL RIBS (STAB AND WING) 3/32" SHEET BALSAs UNLESS OTHERWISE SPECIFIED

TIP FLOAT DETAIL

© COPYRIGHT JUNE 1970 *Robert C. Sweitzer*  
 DESIGNED & DRAWN BY *Robert C. Sweitzer*

**CUSTOM PLANS SERVICE**

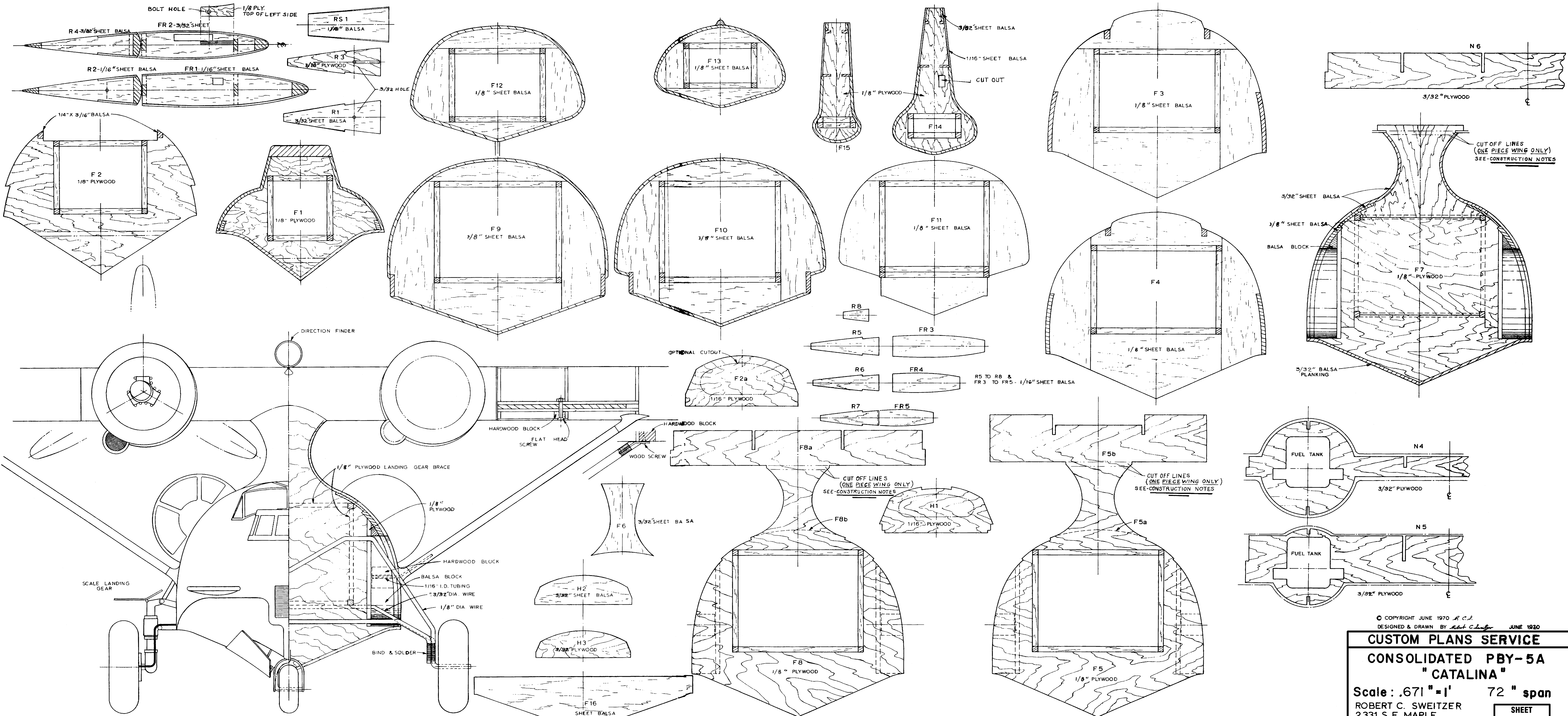
**CONSOLIDATED PBY-5A "CATALINA"**

Scale: .671" = 1' .72" span

ROBERT C. SWEITZER  
 2331 S. E. MAPLE  
 HILLSBORO, OREGON  
 97123

SHEET 2 of 3
105R R/C

H.E



© COPYRIGHT JUNE 1970 R.C.S.  
 DESIGNED & DRAWN BY *Rob Clutz* JUNE 1970

**CUSTOM PLANS SERVICE**  
**CONSOLIDATED PBV-5A**  
**"CATALINA"**

Scale: .671" = 1'      72" span

ROBERT C. SWEITZER  
 2331 S. E. MAPLE  
 HILLSBORO, OREGON  
 97123

SHEET  
 3 of 3  
 105R R/C

ALL RIGHTS RESERVED

H.E

# CONSTRUCTION NOTES

THESE PLANS WERE REDUCED IN SIZE PHOTOGRAPHICLY FROM THE 9 FT. MODEL, THUS DIMENSIONS AND WOOD THICKNESSES ARE SHOWN TO THE NEAREST FRACTION OF AN INCH.

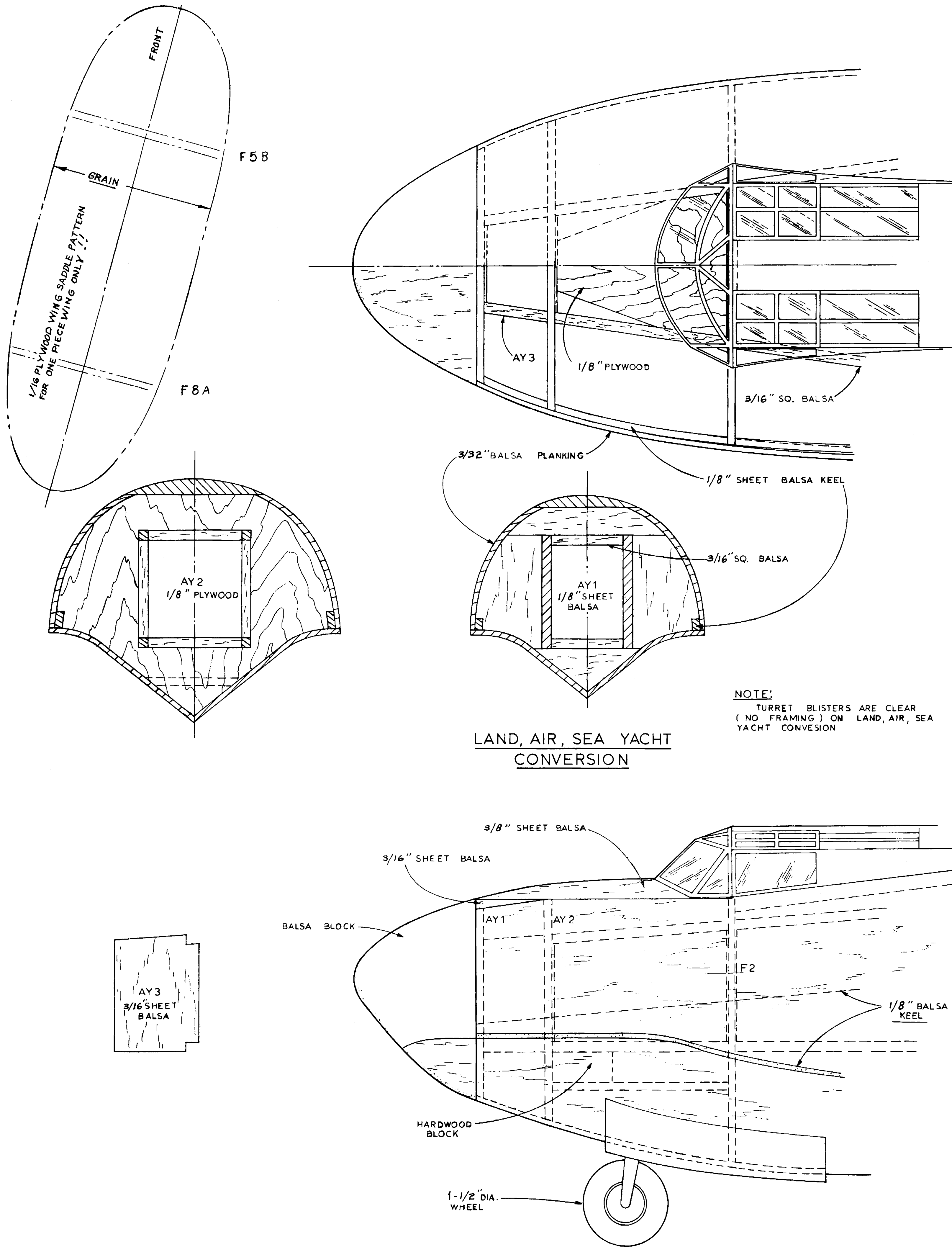
**ONE PIECE WING:** IF DESIRED FOLLOW THESE INSTRUCTIONS!  
 CUT OFF PLYWOOD FORMERS F5B, F7 & F8A ON REFERENCE LINES SHOWN ON SHEET 3 OF 3. MAKE A WING SADDLE OF 1/16 PLYWOOD AS PER PATTERN (THIS SHEET). EPOXY HARDWOOD BLOCKS IN PYLON FOR TWO WING HOLD DOWN BOLTS. EPOXY WING SADDLE IN PLACE. USE EPOXOLITE TO FORM A GOOD SIZE FILLET UNDER WING SADDLE FOR ADDED STRENGTH. YOU WILL NOTE POSITION OF 1/16 PLYWOOD WING SADDLE ON SIDE VIEW, SHEET 1 OF 3. THE ELIMINATION OF THE WING TUNGS ALLOW FOR MORE ROOM FOR A LONGER GAS TANK.

**ENGINE MOUNTING:** IF YOU PREFER TO USE RADIAL OR METAL ENGINE MOUNTS IN PLACE OF HARD WOOD SHOWN, CUT THEM OFF AT FIREWALL. MAKE FIREWALL OUT OF 1/4" THICK PLYWOOD INSTEAD OF Balsa SHOWN.

**GAS TANKS:** IT IS SUGGESTED THAT YOU USE TWO 3 OZ. OR 4 OZ. ROUND GAS TANKS BEHIND ENGINES AND A 10 OR 12 OZ. TANK IN THE FUSELAGE (HULL) AND USE PRESSURE LINES TO KEEP ENGINE TANKS FULL. INSTALL (HULL TANK) BETWEEN FORMERS F4 & F7.

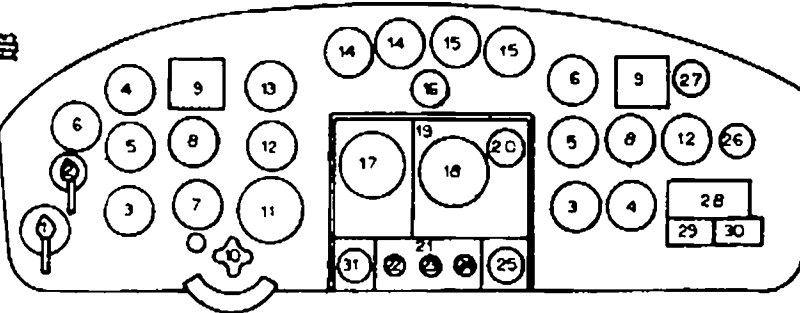
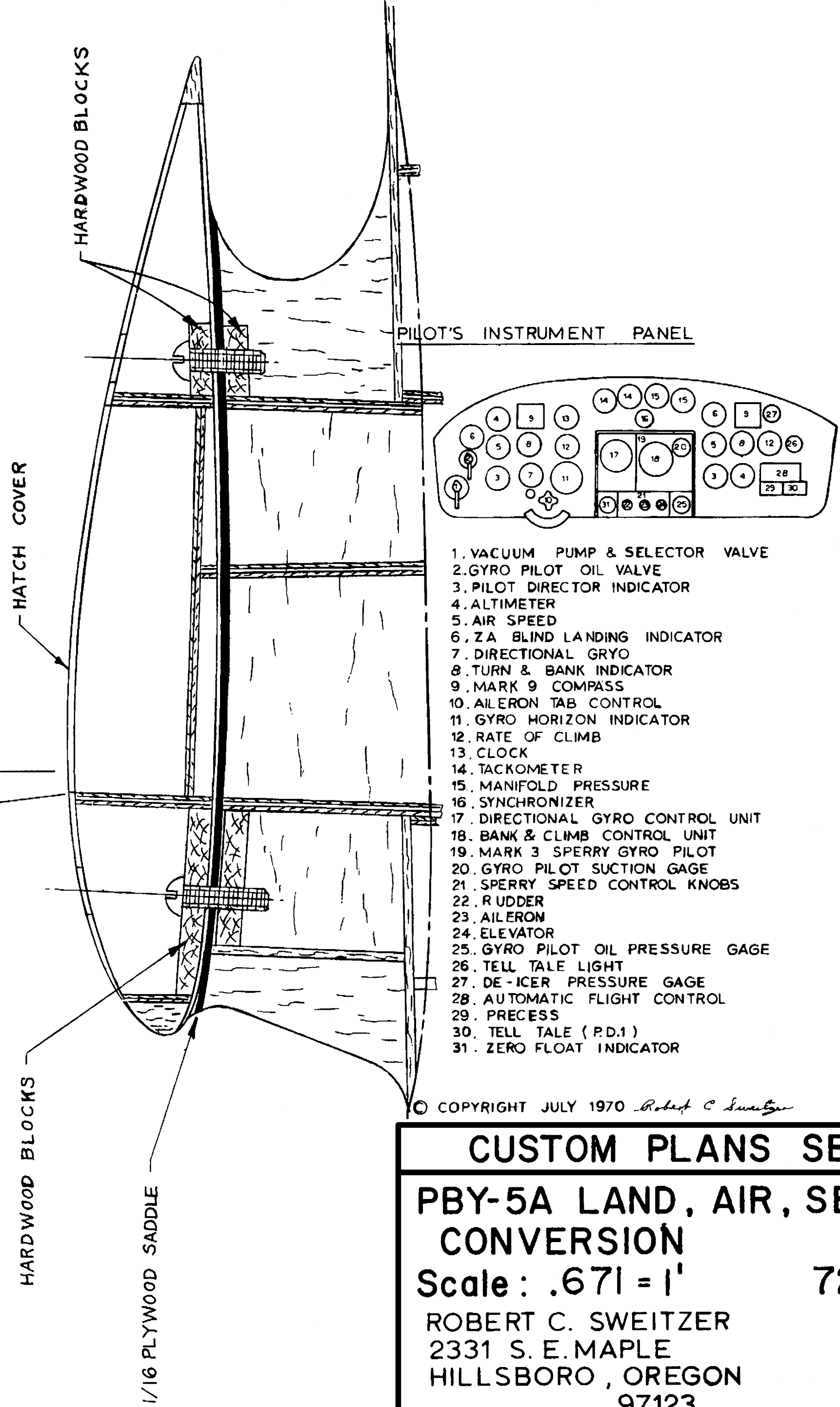
**ELEVATOR BELL CRANKS:** INSTALL BELL CRANKS, PUSH ROD AND SERVO TO CHECK OUT AMOUNT OF TRAVEL BEFORE SHEETING LOWER AND UPPER SECTIONS OF FIN.

**ENGINE SIZES:** TWO ENGINES .30 OR .35 OR TWO .30 WANKELS.



**NOTE:**  
 TURRET BLISTERS ARE CLEAR (NO FRAMING) ON LAND, AIR, SEA YACHT CONVERSION

## LAND, AIR, SEA YACHT CONVERSION



1. VACUUM PUMP & SELECTOR VALVE
2. GYRO PILOT OIL VALVE
3. PILOT DIRECTOR INDICATOR
4. ALTIMETER
5. AIR SPEED
6. ZA BLIND LANDING INDICATOR
7. DIRECTIONAL GYRO
8. TURN & BANK INDICATOR
9. MARK 9 COMPASS
10. AILERON TAB CONTROL
11. GYRO HORIZON INDICATOR
12. RATE OF CLIMB
13. CLOCK
14. TACKMETER
15. MANIFOLD PRESSURE
16. SYNCHRONIZER
17. DIRECTIONAL GYRO CONTROL UNIT
18. BANK & CLIMB CONTROL UNIT
19. MARK 3 SPERRY GYRO PILOT
20. GYRO PILOT SUCTION GAGE
21. SPERRY SPEED CONTROL KNOBS
22. RUDDER
23. AILERON
24. ELEVATOR
25. GYRO PILOT OIL PRESSURE GAGE
26. TELL TALE LIGHT
27. DE-ICER PRESSURE GAGE
28. AUTOMATIC FLIGHT CONTROL
29. PRECESS
30. TELL TALE (P.D.1)
31. ZERO FLOAT INDICATOR

© COPYRIGHT JULY 1970 Robert C. Sweitzer

<b>CUSTOM PLANS SERVICE</b>	
<b>PBY-5A LAND, AIR, SEA YACHT CONVERSION</b>	
Scale: .671 = 1'	72" span
ROBERT C. SWEITZER 2331 S. E. MAPLE HILLSBORO, OREGON 97123	
ALL RIGHTS RESERVED	SUPPLEMENT SHEET 105R - R/C