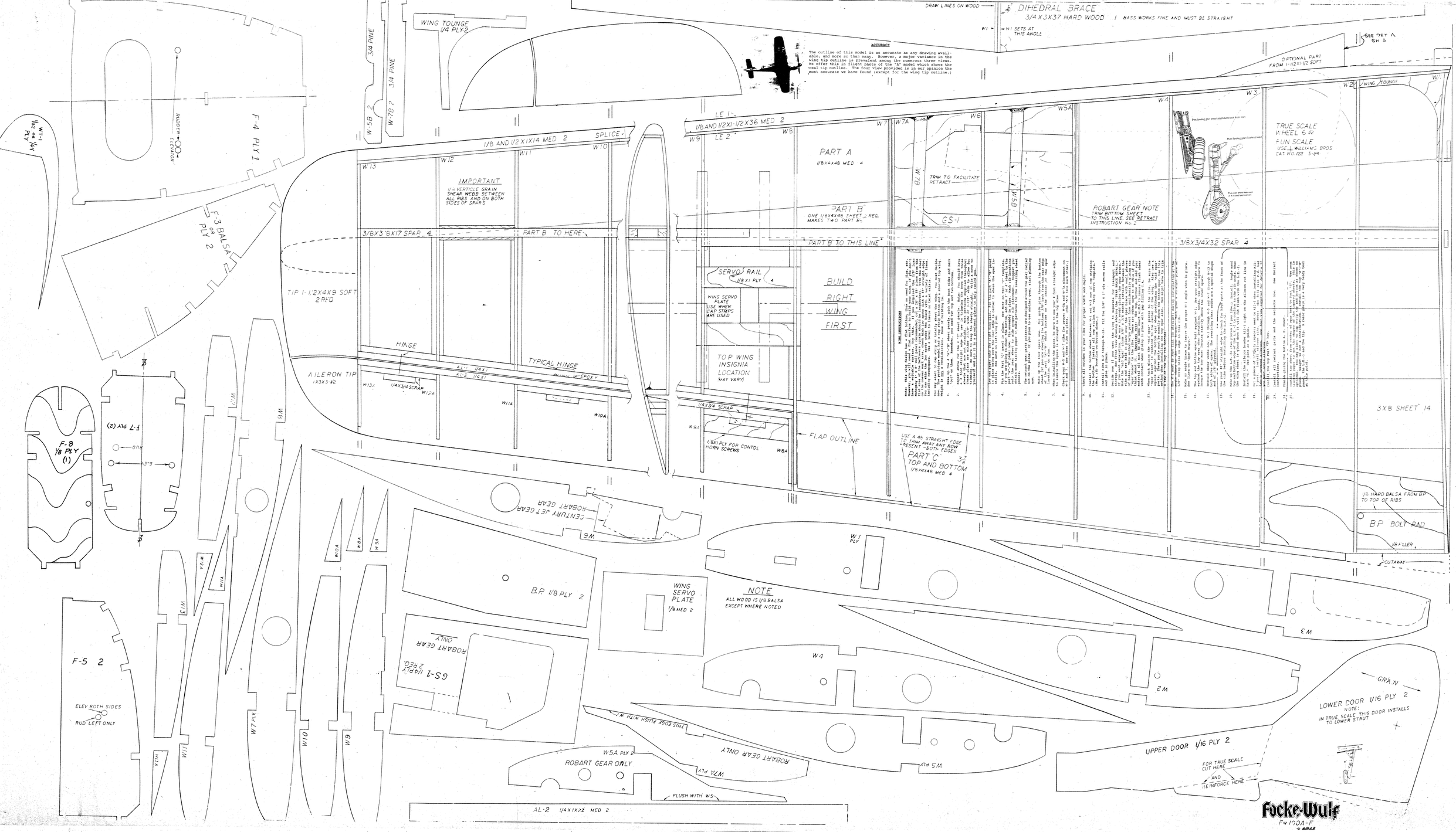
DRAW LINES ON WOOD
DIHEDRAL BRACE
3/4 X 3 X 37 HARD WOOD 1 BASS WORKS PINE AND MUST BE STRAIGHT
W1 SETS AT THIS ANGLE
SEE DET A SH 3
OPTIONAL PART FROM 1/2"X1-1/2 SOFT
ACCURACY
The outline of this model is as accurate as any drawing available, and more so than many. However, a major variance is the wing tip outline is prevalent among the numerous three views. We offer this in flight photo of the "A" model which shows the real tip outline. The four view provided is our opinion the most accurate we have found (except for the wing tip outline.)
WING TOUNGE 1/4 PLY 2
3/4 PINE
W-5B 2
W-7B 2
3/4 PINE
F-4 PLY 1
WT-1 1/32 or 1/64 PLY
F-3 BALSA OR PLY 2
TIP 1 1/2X4X9 SOFT 2 REQ
1/8 AND 1/2X1-1/2X36 MED 2
LE 1
1/8 AND 1/2X1X14 MED 2 SPLICE
LE 2
W-13
W-12
W-11
W-10
W-9
W-8
W-7
W-7A
W-6
W-5A
W-4
W-3
W-2
W-1
IMPORTANT
1/8 VERTICLE GRAIN SHEAR WEBB BETWEEN ALL RIBS AND ON BOTH SIDES OF SPARS
PART A
1/8 X 4 X 48 MED 4
PART B
ONE 1/8 X 4 X 48 SHEET REQ. MAKES TWO PART B's
TRIM TO FACILITATE RETRACT
W-7B
W-5B
GS-1
ROBART GEAR NOTE
TRIM BOTTOM SHEET TO THIS LINE. SEE RETRACT INSTRUCTION No. 2
Main Landing gear (Fuselage mount)
Pin upon which leg cuts in & out (part removed)
TRUE SCALE WHEEL 6 1/2
FUN SCALE USE WILLIAMS BROS CAT NO 122 5-1/4
WING TOUNGE
3/16 X 3 1/4 X 32 SPAR 4
PART B TO HERE
PART B TO THIS LINE
3/16 X 3/4 X 32 SPAR 4
3 X 8 SHEET 14
SERVO RAIL 1/8 X 1 PLY 4
WING SERVO PLATE USE WHEN CAP STRIPS ARE USED
TOP WING INSIGNIA LOCATION (MAY VARY)
BUILD RIGHT WING FIRST
HINGE
TYPICAL HINGE
AILERON TIP 1 X 3 X 1/2
AL-1 1/4 X 1
AL-2 1/2 X 1
1/4 X 3/4 SCRAP
1/8 X 1 PLY FOR CONTOL HORN SCREWS
FLAP OUTLINE
USE A 48 STRAIGHT EDGE TO TRIM AWAY ANY ROW DOTS EDGES
PART C TOP AND BOTTOM 1/8 X 4 X 48 MED 4
3/8
1/8 HARD BALSA FROM BP TO TOP OF RIBS
B.P BOLT PAD
1/8 PLYWOOD
CUTAWAY
WING BUILDING INSTRUCTIONS
Notes - This wing needs the 4 flat bottom, plus an need for side act. Ailerons are optional. Cut out all parts from sheets. Study plans and identify all parts before starting construction. Use sharp knife and straight edge for best results. Sand all parts before assembly. Use a sanding block for sanding flat surfaces.
1. Prepare plans for the 4 - 1/2" sheet plastic. Note: you should have already purchased the plastic. Cut out the 4 sheets of plastic. Sand the rough edges smooth. Mark the spots on the plastic where the ribs will be glued. Use a felt tip pen for marking. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued.
2. Prepare plans for the 4 - 1/2" sheet plastic. Note: you should have already purchased the plastic. Cut out the 4 sheets of plastic. Sand the rough edges smooth. Mark the spots on the plastic where the ribs will be glued. Use a felt tip pen for marking. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued.
3. Let wax paper dry for the top and bottom plastic. Fit the plastic to the plans. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued.
4. If you are going to use the optional part, cut out the 4 sheets of plastic. Sand the rough edges smooth. Mark the spots on the plastic where the ribs will be glued. Use a felt tip pen for marking. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued.
5. Make up the 4 "A" sheet plastic. Note: you should have already purchased the plastic. Cut out the 4 sheets of plastic. Sand the rough edges smooth. Mark the spots on the plastic where the ribs will be glued. Use a felt tip pen for marking. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued.
6. Make up the 4 "B" sheet plastic. Note: you should have already purchased the plastic. Cut out the 4 sheets of plastic. Sand the rough edges smooth. Mark the spots on the plastic where the ribs will be glued. Use a felt tip pen for marking. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued.
7. When installing the parts, be sure to use your 4 foot straight edge to keep the parts straight. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued.
8. Using your W3 and W4 ribs for proper pitch and W-2A dihedrawn on the plans. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued.
9. Install all ribbons in your ribs for proper cross and pitch.
10. Install the bottom wheel between W-1 and W-2 (if using retracts see retract instructions for proper location). Use sharp knife and "wing wave templates."
11. Install the W-2 through W-13. Fit the 1/8" X 1" ply servo rails (1/8 X 1 PLY 4).
12. Decide now if you want the wing to incorporate for dihedral and if you want to use the optional part. If you do not want dihedral, be sure to provide plastic for each panel. If you want dihedral, be sure to provide plastic for each panel. If you want dihedral, be sure to provide plastic for each panel. If you want dihedral, be sure to provide plastic for each panel. If you want dihedral, be sure to provide plastic for each panel. If you want dihedral, be sure to provide plastic for each panel. If you want dihedral, be sure to provide plastic for each panel. If you want dihedral, be sure to provide plastic for each panel.
13. When installing the top sheeting, be sure to use your 4 foot straight edge to keep the parts straight. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued.
14. Now you are ready to install the aileron control instructions as to the left wing panel.
15. Make an angle block to insure the proper W-1 angle when in place.
16. The top and bottom servo hatch option - W-5, the pair straight edge and top and bottom edge of the 1/4" X 3" plywood to insure the top edge (servo exactly above the lower spar).
17. Install the aileron bender. All right on the aileron cut line in both sides of panel.
18. Now install the aileron bender. All right on the aileron cut line in both sides of panel. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued.
19. Fit a piece of 1/16 ply (servo) next to all - when installing all. Make sure the servo is in the correct position. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued.
20. Install the aileron bender. All right on the aileron cut line in both sides of panel. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued.
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22. Install the aileron bender. All right on the aileron cut line in both sides of panel. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued.
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24. Install the aileron bender. All right on the aileron cut line in both sides of panel. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued.
25. Fit a piece of 1/16 ply (servo) next to all - when installing all. Make sure the servo is in the correct position. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued. Use a sharp knife to score the plastic where the ribs will be glued.
F-8 1/8 PLY (1)
F-7 PLY (2)
F-5 2
ELEV BOTH SIDES
RUD LEFT ONLY
W-7 PLY
W-10
W-9
W-8
W-6
W-5
W-4
W-3
W-2
W-1
W-1A
W-2A
W-3A
W-4A
W-5A
W-7A
W-8A
W-9A
W-10A
W-11A
W-12A
W-13A
B.P 1/8 PLY 2
WING SERVO PLATE 1/8 MED 2
ROBART GEAR ONLY
GS-1 1/4 PLY 2 REQ.
CENTURY JET GEAR
ROBART GEAR
W-1 PLY
NOTE
ALL WOOD IS 1/8 BALSA EXCEPT WHERE NOTED
W-4
W-5 PLY
W-7A PLY
ROBART GEAR ONLY
THIS EDGE FLUSH WITH W-1
W-5A PLY 2
ROBART GEAR ONLY
FLUSH WITH W-5
AL-2 1/4 X 1 X 2 MED 2
GRAIN
LOWER DOOR 1/16 PLY 2
NOTE: IN TRUE SCALE THIS DOOR INSTALLS TO LOWER STRUT
UPPER DOOR 1/16 PLY 2
FOR TRUE SCALE CUT HERE
AND REINFORCE HERE
Focke-Wulf
Fw 190A-F