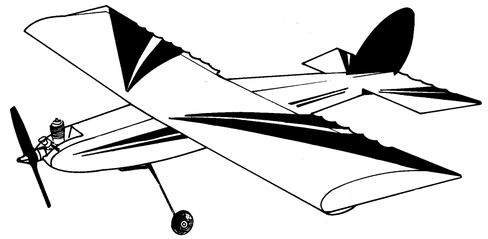
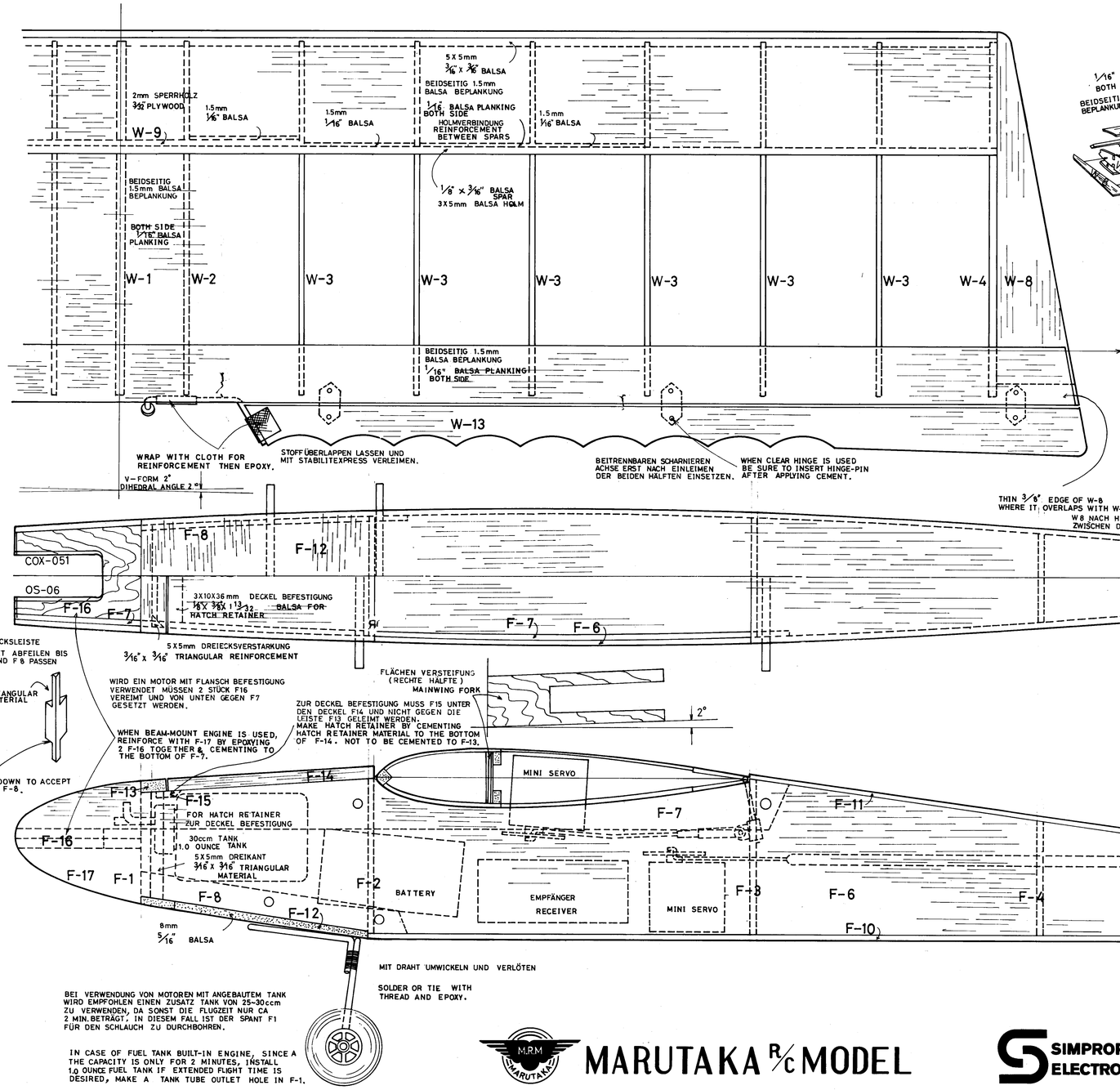
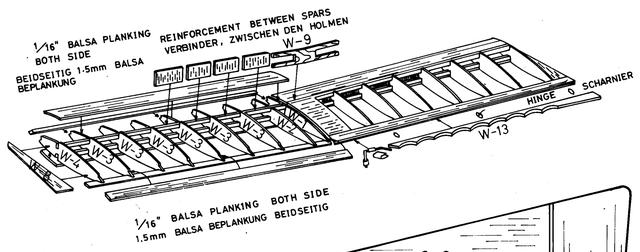
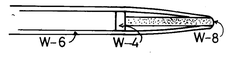
MINI BIRD

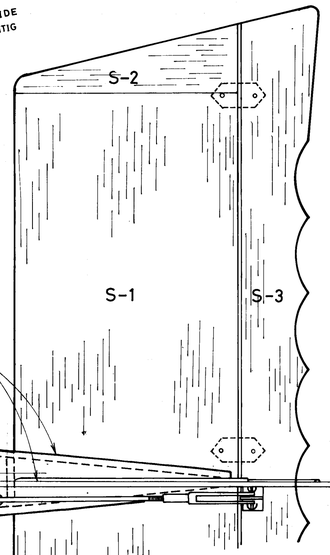
SPECIFICATION		
LAENGE	LENGTH	640mm
SPANNWEITE	WINGSPAN	770mm
FLACHENINHALT	WING AREA	12·2dm²
MOTOR	ENGINE	0.49~0.8
FLUGGEWICHT	AIRBORNE WEIGHT	550~700g
2 KANAL R C	RADIO	2 CH

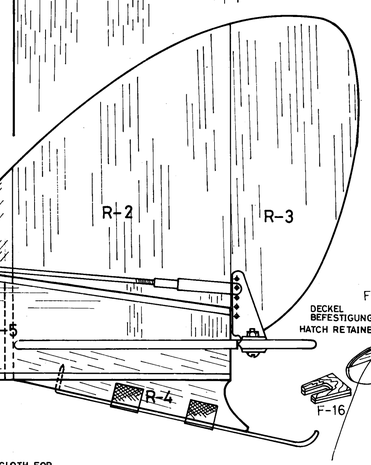


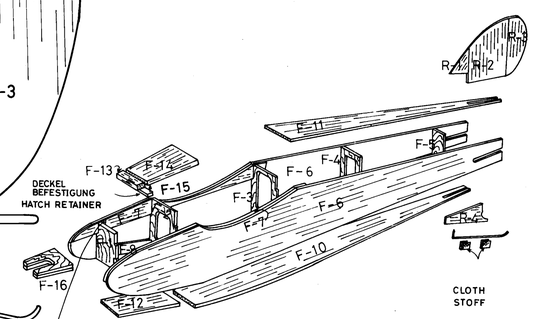












WRAP WITH CLOTH FOR REINFORCEMENT THEN EPOXY.

SPORN DRAHT MIT STOFFSTREIFEN ÜBERLAPPEN UND MIT STABILIT VERLEIMEN.

RIGHT AND LEFT 3/16" X 3/16" TRIANGULAR MATERIAL

LINKS UND RECHTS 5X5mm DREIECKSEISTEN

HOW TO ASSEMBLE THE WING

1. Insert Ribs from W-1 through W-4 to the 3/16"x3/16" square balsa and cement.
2. Join the left and right wing with W-9 and cement the leading and trailing edge balsa.
3. Cement 1/16" balsa to the top and bottom spars over the wing-fork.
4. Cement W-8 to the centre of W-4 and cement W-6 to both side.
5. Plank both side of the trailing edge.
   At this time, the distortion of the left and right wing should be removed.
6. Plank the centre of the wing.
7. Finish the overall wing with sand paper.
8. Mount W-13 with hinges and aileron horn; slot to accept aileron horn must be prepared beforehand.

HOW TO ASSEMBLE THE FUSELAGE

1. Cement F-7 and F-8 to F-6 and mark the position of F-1 through F-5; pay attention to the correct material for the left & right.
2. Insert R-2 temporarily. Holding the left and right F-6 with clips or the like and cement F-5 through F-1 to the markings. Hold with rubber bands or the like until cement sets.
3. Correcting the distortion, cement F-10, F-11, F-12 and F-13.
4. Cement F-15 to the bottom of F-14 projecting it by 3/16"; this becomes a hatch.
5. When a beam-mount engine is used, cement 2 ply of F-16.
6. After finishing the overall fuselage by sand paper, insert and cement the jointed R-1 R-2 & R-3.
7. Cement the music-wire to R-4 with cloth and epoxy and insert it to the slot of F-10 and cement.
8. Cement S-1 and S-2 together and after finishing insert to the slot of F 6 and cement.
9. Mount aileron and elevator with hinges.
10. Finish the wing and fuselage with silk or film.

FEATURES

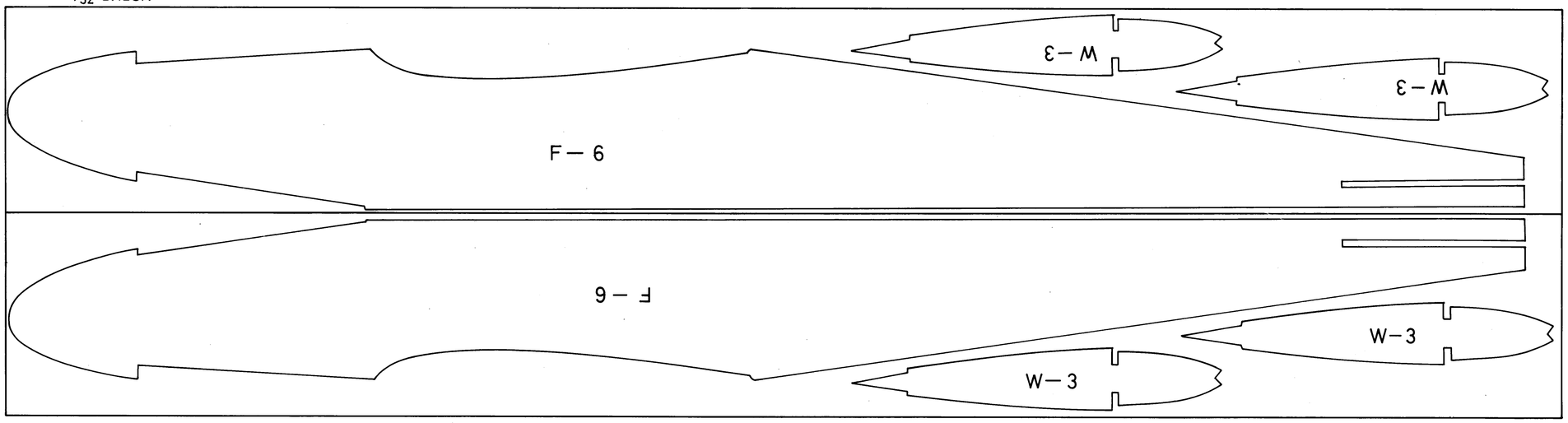
Provided the engine runs properly, excellent stunt characteristic is available from this plane.
Capable of doing almost all the stunt except those such as spin taxing, stall-turn, 4 point roll etc. by mean of engine control and rudder control.

M.R.M MARUTAKA

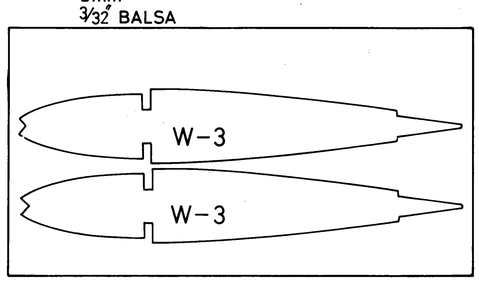
MARUTAKA R/C MODEL

SIMPROP ELECTRONIC

2mm
3/32" BALSA



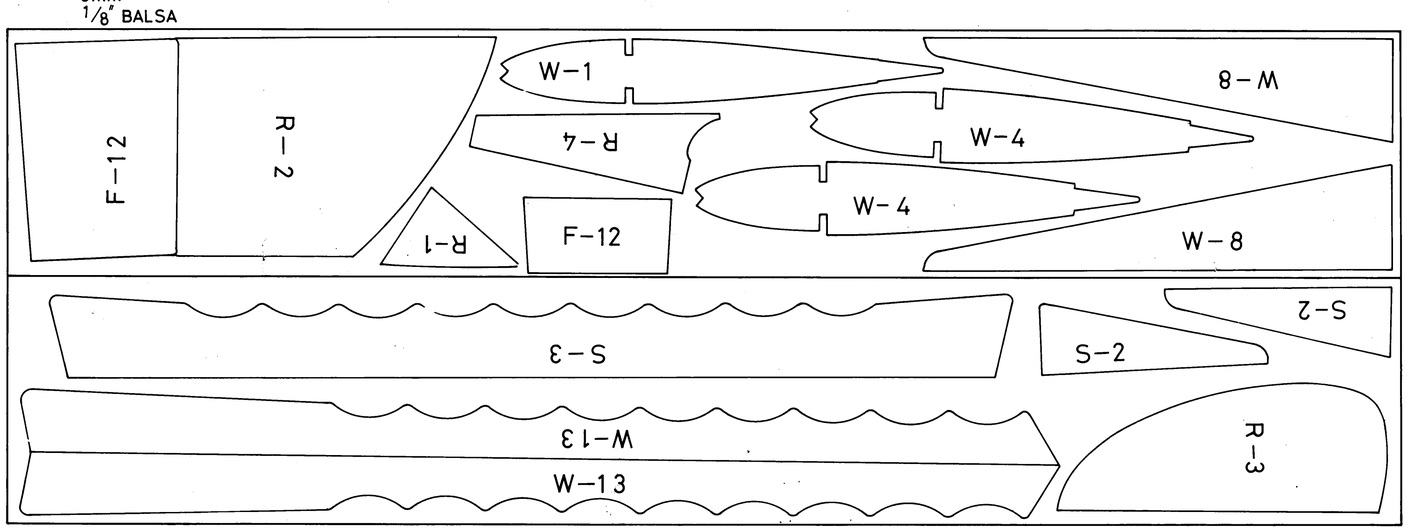
2mm
3/32" BALSA



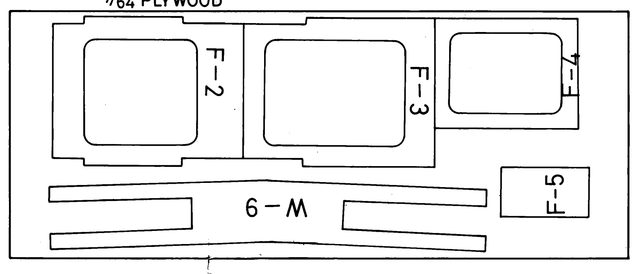
MINI BIRD

START ASSEMBLING AFTER REFERING THE DIE CUT BALSA AND PLYWOOD PARTS TO THE NUMBER ON THE PLANS.

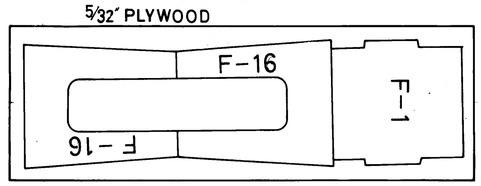
3mm
1/8" BALSA



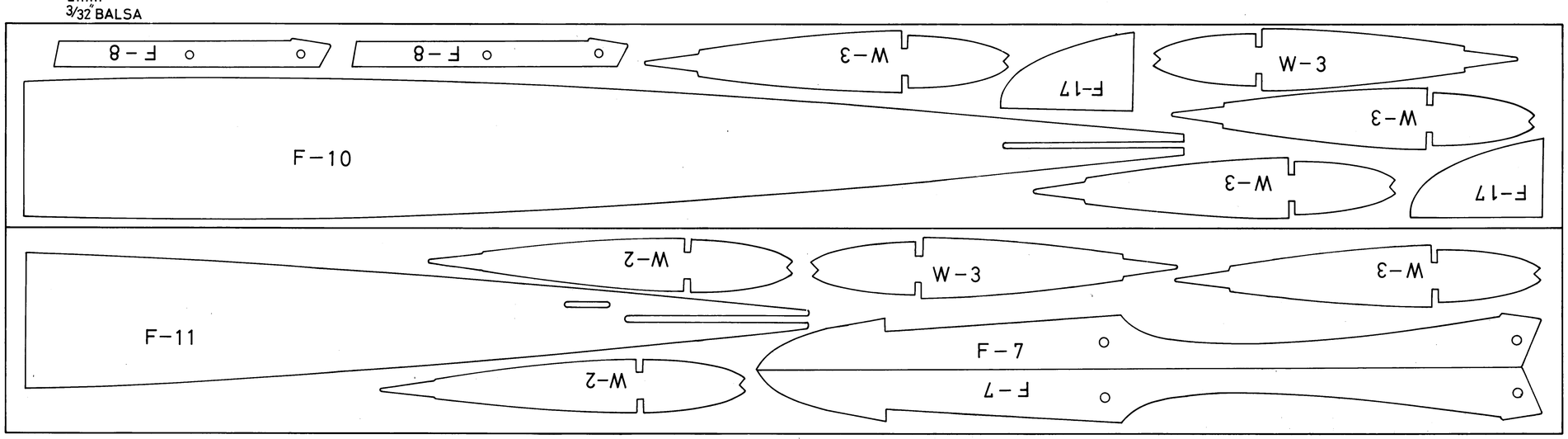
2.5mm SPERRHOLZ
7/64" PLYWOOD



4mm SPERRHOLZ
5/32" PLYWOOD



2mm
3/32" BALSA



BEFORE STARTING BUILDING

FOR BETTER FINISH AND FLIGHT PERFORMANCE, TAKE TIME IN READING BUILDING INSTRUCTION AND REFERING TO THE PLANS, AND ASSEMBLE IN GOOD ORDER AND CORRECTLY AND CAREFULLY.
CUT OFF EACH PART WITH CUTTER OR RAZOR BLADE AVOIDING DAMAGE, PARTICULARLY ON THE JOINTING CUT OUT AND SLOT.
IF NECESSARY TRIM THE PARTS FOR EASIER FITTING. WHEN CEMEMENTING USE THREAD, RUBBER BAND, PINS, CLOTHE CLIPS ETC. UNTIL CEMENT SETS FOR FORMING AND WORKING, CUTTER, BALSA PLANE AND/OR FILE ARE TO BE USED.
WOOD TIP WRAPPED WITH SAND PAPER CAN ALSO BE USED AS A FILE.

バルサ及びベニヤの抜型材を図面の番号と照合したのち
組み立てて下さい。

製　作　ま　え　に

よりよい仕上りと一層の機能を発揮させるために、説明や図をよく読み、よく見て、順序よくていねいに正しく組み立てて下さい。
各部品は傷つけないようにカッターや小刀で切りはなし、組み合せ部分の切り込みやミゾなどは正確に切り取って無理なく組み合うように整形します。接合部には接着剤をつけ、釘・虫ピン・クリップ（洗たくバサミ）糸・ゴムバンド・細い針金で仮り止めし、接着剤が完全に硬化したら、これらはすべて取り除きます。木部の加工や整形はカンナや小刀・ヤスリなどを使いますが、木片にサンド・ペーパーを巻くとヤスリと同じに使うことができます。