NOTE TO THE MODELER:
All formers and ribs are shown actual size to make "scratch" building easily accomplished from these plans, and to facilitate any repairs that may be necessary.
TOP VIEW
BOTTOM VIEW
Plywood Doublers
PAINT WINDOW
F-17 (Plywood)
F-18
1/8" x 3/8" Balsa
3/8" Sq. Balsa
Royal Retract Mechanism
NOSE GEAR RETRACT MODIFICATIONS:
1. Install two 3/8" sq. balsa spars as shown (instead of one on center line)
2. Cut away bottom planking to allow wheel to retract into fuselage.
Scale Prop
RUDDER ASSEMBLY PROCEDURE
1. Glue and tape R-1 and R-2 together.
2. Spot glue and tape R-3 in place.
3. When dry, sand to shape and cut R-3 loose.
ROYAL PINNED HINGES
TAB
ANTENNA (Scrap Balsa)
ASSEMBLE TURRET BASE WITH 3/32" SCRAP BALSA
2° INCIDENCE
CHORD LINE
CAMLOCK
BOMB BAY
3/32" Scrap Sheet
3/16" Sq. Balsa
2" Wheel
3" Wheel
ROYAL PRODUCTS CORP.
NORTH AMERICAN
Billy Mitchell
SHEET 1 of 2
NORTH AMERICAN B-25 SPECIFICATIONS
Span, 67, ft., 6 in.; length 52 ft., 11 in.; height, 15 ft., 9 in.; wing area, 610 sq. ft.. Empty weight, 20,300 lbs.; combat loaded, 35,000 lbs.. Two Wright R-260-13 engines each developing 1,700 h.p. at takeoff and 1,300 h.p. at 13,500 ft. Maximum speed, 264 m.p.h. at sea level, 284 m.p.h. at 15,000 ft. Service ceiling 21,200 ft., maximum range of 1,525 miles with 3,200 lbs. of bombs.
SCALE .... 1-1/8" = 1'
ENGINES .... .40-.60 Twin
WING SPAN .... 70-7/8"
WING AREA .... 750 Sq. In.
LENGTH .... .54"
WEIGHT .... .8-9 lb.
CONTROL .... 4 - 6 Channel
Bottom Surface of Wing
A-A
B-B
C-C

ROYAL PRODUCTS CORP.

NORTH AMERICAN

Billy Mitchell

SHEET 2 of 2

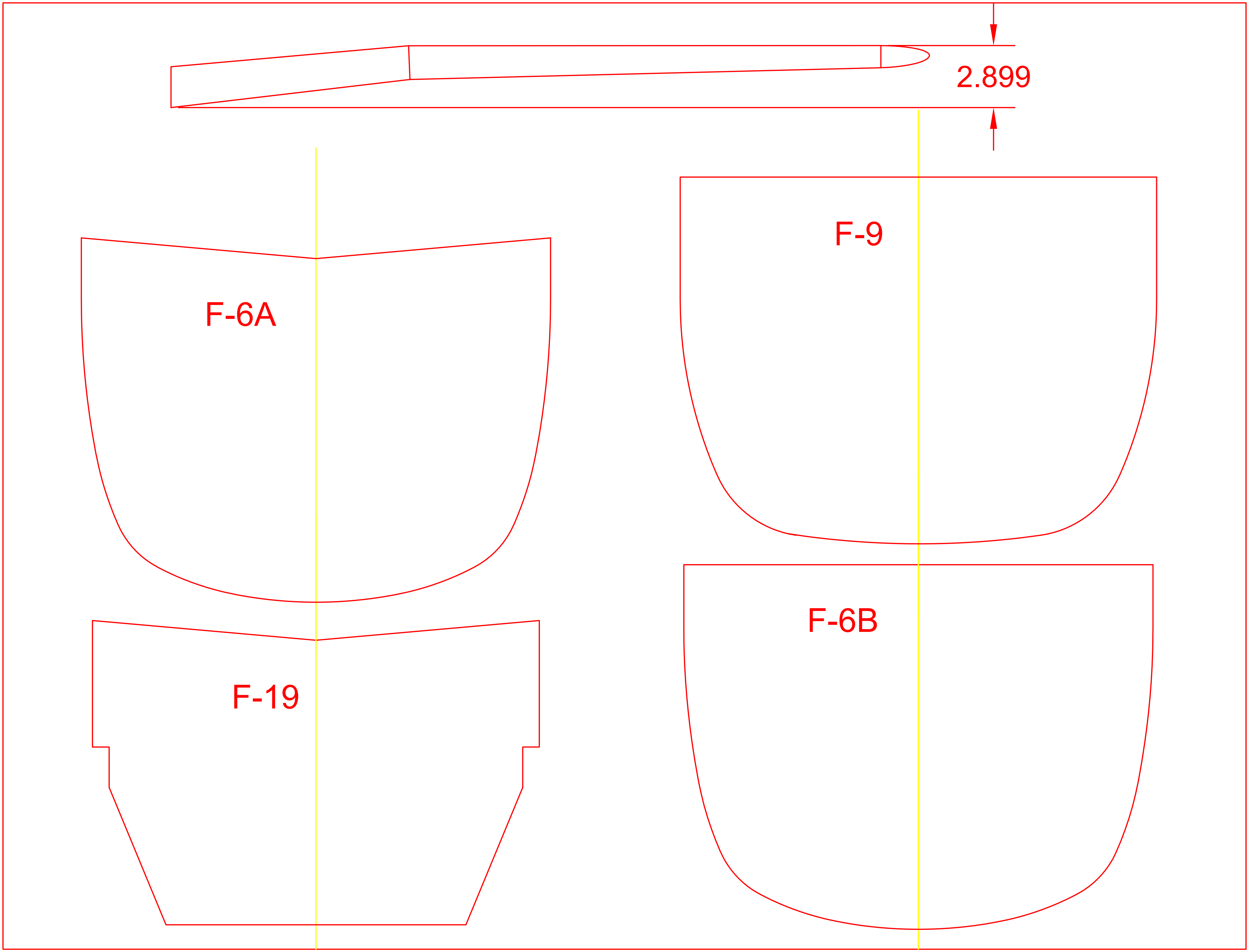
NOTE TO THE "SCRATCH" BUILDER

Molded canopies, decals, color and scale information, spun aluminum cowls (where applicable) are all available.

WING ASSEMBLY PROCEDURE

1. Wing is assembled in two sections – the nacelle section and the outer panel.
2. If fixed gear is to be used, attach gear to W-19 and W19A as shown. If retract gear is used, refer to "Main Gear Retract Modifications" on plans.
3. Fit and glue W-19, W-18, W-17, W-16 and the engine mounts (EM).
4. Working upside down, add ribs, spars, joiners and leading edge.
5. Construct outer panel (W-5 to W-11) in the conventional manner over plan.

   NOTE: Light oil may be rubbed on plan to make it transparent for assembly of left outer panel.
6. Glue underside rear sheeting to outer panel and cut and assemble ailerons as shown. Refer to exploded view for proper cutting of 3/32" wing planking.
7. Attach outer section to nacelle section.
8. Install and check all linkage for correct movement, then sheet entire wing.


2.899
F-9
F-6A
F-6B
F-19