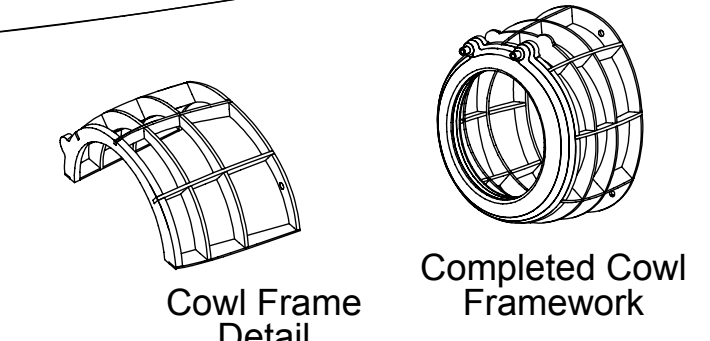
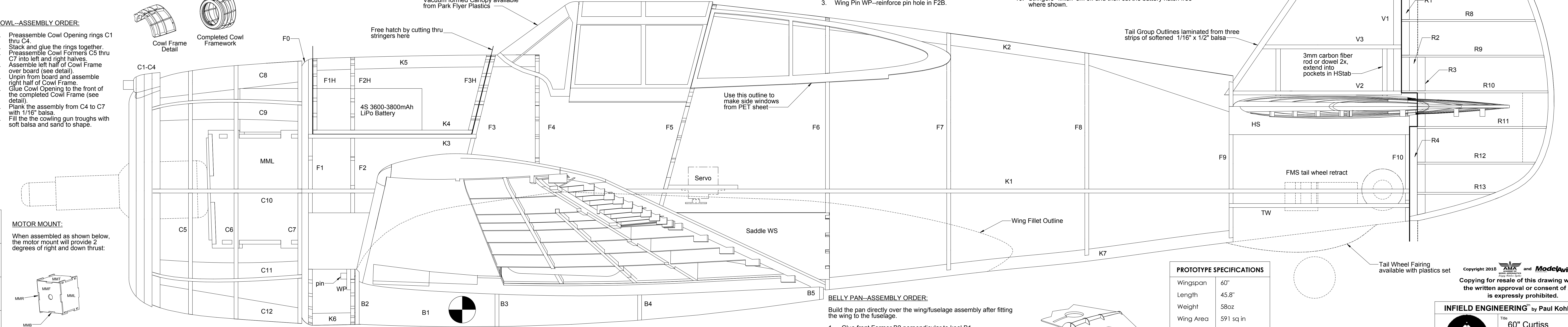
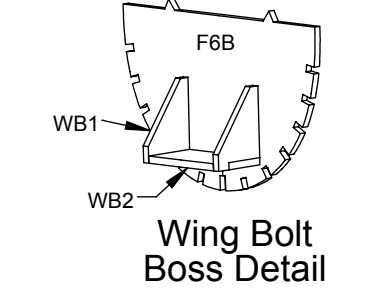


- COWL--ASSEMBLY ORDER:**
1. Preassemble Cowl Opening rings C1 thru C4.
  2. Stack and glue the rings together.
  3. Preassemble Cowl Formers C5 thru C7 into left and right halves.
  4. Assemble left half of Cowl Frame over board (see detail).
  5. Unpin from board and assemble right half of Cowl Frame.
  6. Glue Cowl Opening to the front of the completed Cowl Frame (see detail).
  7. Plank the assembly from C4 to C7 with 1/16" balsa.
  8. Fill the the cowl gun troughs with soft balsa and sand to shape.

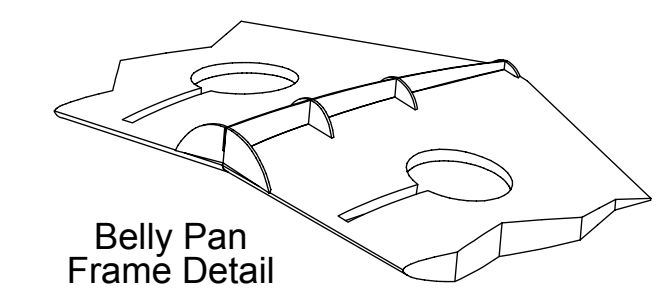


- MOTOR MOUNT:**
- When assembled as shown below, the motor mount will provide 2 degrees of right and down thrust:
- 

- FUSELAGE, LOWER--ASSEMBLY ORDER:**
- Build the lower half of the fuse free from the plan--side view drawing shown for reference.
1. Align and laminate Firewall parts F0 and F1.
  2. Attach Firewall to front Keels and BATT.
  3. Wing Pin WP--reinforce pin hole in F2B.
  5. Wing Bolt Boss--assemble parts WB1 and WB2 and attach to Former F6B (see detail).
  6. Tailwheel Plate--assemble TW, F9B, and F10B.
  7. All "B" Former parts F2 thru F10.
    1. Glue all parallel to their "T" counterparts.
  8. Keels K6 and K7.
  9. Wing Saddles WS--wet outer surface of these parts and they will curve into place.
  10. Stringers--finish 'em off and then cut the battery hatch free where shown.



- BELLY PAN--ASSEMBLY ORDER:**
- Build the pan directly over the wing/fuselage assembly after fitting the wing to the fuselage.
1. Glue front Former B2 perpendicular to keel B1.
    1. Pin this assembly to back of Fuse Former F2 and to the centerline of the wings (see detail).
  2. Formers B3 thru B5--perpendicular to B1 and flush to wing.
  3. Plank from B2 thru B5 with 1/16" balsa.
  4. Belly Pan can be made removable with a pin at the front and magnets at the rear.



- TAIL GROUP ASSEMBLY**
1. Begin tail group assembly by laminating outlines from three strips of 1/16" x 1/2" balsa around a form.
  2. Pin the cured outlines into place over the plan.
  3. Install the tail framework parts in numerical order.
  4. Separate the Rudder from the Fin and the Elevators from the Horizontal Stabilizer by cutting through the outlines where shown.
  5. Sheet the upper Fin and Stabilizer with 1/16" balsa while pinned flat to the board.
  6. Unpin and remove the support feet from the bottom of the tail group parts.
  7. Sheet the lower Fin and the Stabilizer.
  8. Sand to shape and install hinges.
- Note: The leading edge of the P-36/Hawk 75 rudder had a complex shape and offset hinges. The base design shown here replicates this feature by using hinge points centered on the full scale hinge axis line shown. The builder may choose to simplify the hingeline by hinging securely between parts V1 and R1.

**PROTOTYPE SPECIFICATIONS**

Wingspan	60"
Length	45.8"
Weight	58oz
Wing Area	591 sq in
Power	FMS 4258-650kV
Propellor	14x8 3-blade
Battery	4S 3800mAh

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**INFIELD ENGINEERING™ by Paul Kohlmann**

Title: 60" Curtiss P36 / Hawk 75

Size: X  
 Dwg No: Hawk 75 plan.drw  
 Rev: A

Scale: 1:1 Weight: 60oz Sheet 1 of 4