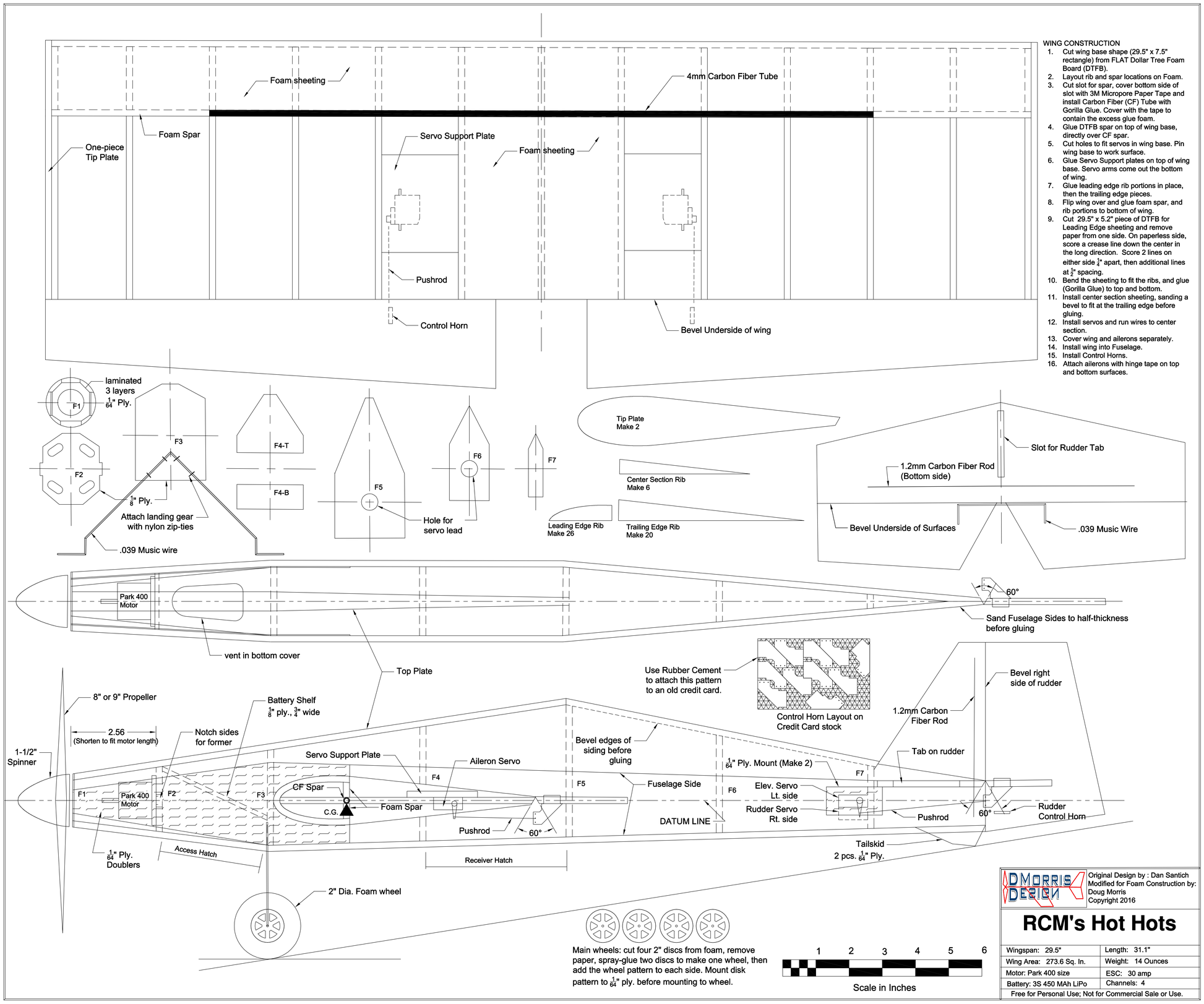

WING CONSTRUCTION

1. Cut wing base shape (29.5" x 7.5" rectangle) from FLAT Dollar Tree Foam Board (DTFB).
2. Layout rib and spar locations on Foam.
3. Cut slot for spar, cover bottom side of slot with 3M Micropore Paper Tape and install Carbon Fiber (CF) Tube with Gorilla Glue. Cover with the tape to contain the excess glue foam.
4. Glue DTFB spar on top of wing base, directly over CF spar.
5. Cut holes to fit servos in wing base. Pin wing base to work surface.
6. Glue Servo Support plates on top of wing base. Servo arms come out the bottom of wing.
7. Glue leading edge rib portions in place, then the trailing edge pieces.
8. Flip wing over and glue foam spar, and rib portions to bottom of wing.
9. Cut 29.5" x 5.2" piece of DTFB for Leading Edge sheeting and remove paper from one side. On paperless side, score a crease line down the center in the long direction. Score 2 lines on either side 1/4" apart, then additional lines at 1/2" spacing.
10. Bend the sheeting to fit the ribs, and glue (Gorilla Glue) to top and bottom.
11. Install center section sheeting, sanding a bevel to fit at the trailing edge before gluing.
12. Install servos and run wires to center section.
13. Cover wing and ailerons separately.
14. Install wing into Fuselage.
15. Install Control Horns.
16. Attach ailerons with hinge tape on top and bottom surfaces.

Original Design by : Dan Santich
Modified for Foam Construction by: Doug Morris
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RCM's Hot Hots

Wingspan: 29.5"	Length: 31.1"
Wing Area: 273.6 Sq. In.	Weight: 14 Ounces
Motor: Park 400 size	ESC: 30 amp
Battery: 3S 450 MAh LiPo	Channels: 4

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