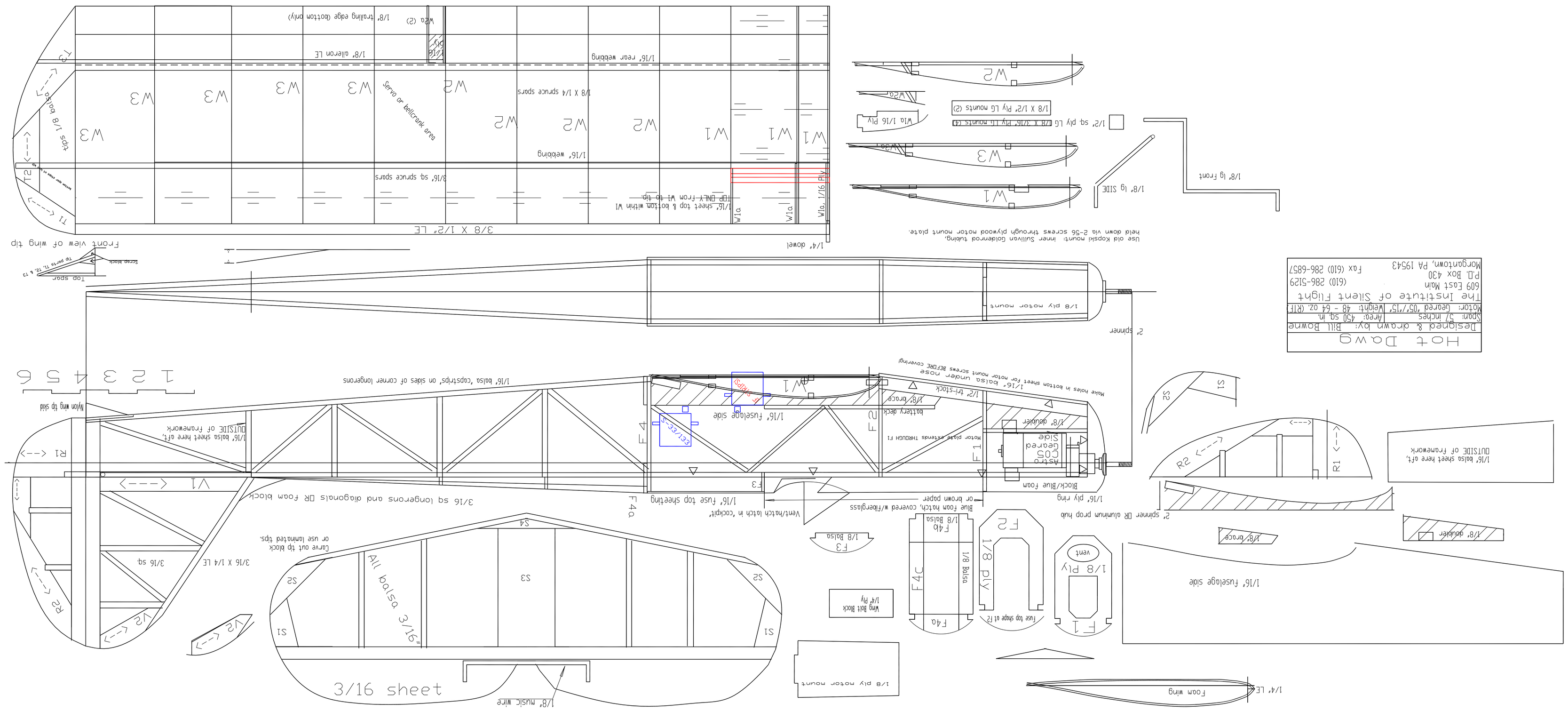

Hot Dawg
Designed & drawn by: Bill Bowne
Span: 57 inches
Area: 450 sq. in.
Motor: Geared '05/'15' Weight: 48 - 64 oz. (RIF)
The Institute of Silent Flight
609 East Main
P.O. Box 430
Morgantown, PA 19543
(610) 286-5129
Fax (610) 286-6857
Use old Kopski mount: inner Sullivan Goldenrod tubing, held down via 2-56 screws through plywood motor mount plate.
1/8" lg SIDE
1/8" lg Front
1/2" sq. ply LG
1/8 X 3/16" Ply LG mounts (4)
1/8 X 1/2" Ply LG mounts (2)
W1a 1/16 Ply
W2a
W3
W1
W2
1/4" dowel
1/8" ply motor mount
2" spinner
1/16" balsa under nose
Make holes in bottom sheet for motor mount screws BEFORE covering!
1/2" tri-stock
1/8" brace
battery deck
1/8" doubler
Motor plate extends THROUGH F1
Astro C05 Geared Side
Block/Blue foam
1/16" ply ring
2" spinner OR aluminum prop hub
1/16" fuselage side
1/16" balsa sheet here aft, OUTSIDE of framework
1/16" balsa 'capstrips' on sides of corner longerons
1/16" fuse top sheeting
Vent/hatch latch in 'cockpit'
Blue foam hatch, covered w/fiberglass or brown paper
F1
F2
F3
F4
F4a
F4b
F4c
1/8 Balsa
1/8 ply
1/8 Ply
vent
Fuse top shape at F2
Wing Bolt Block 1/4" Ply
1/8 ply motor mount
1/4" LE
Foam wing
1/16" fuselage side
1/8" brace
1/8" doubler
1/16" balsa sheet here aft, OUTSIDE of framework
3/16 sq longerons and diagonals OR foam block
3/16 X 1/4 LE
3/16 sq.
Carve out tip block or use laminated tips.
All balsa 3/16"
3/16 sheet
1/8" music wire
Nylon wing tip slid
1 2 3 4 5 6
Front view of wing tip
Top spar
Scrap block
Tip parts T1, T2, & T3
3/8 X 1/2" LE
1/16" sheet top & bottom within W1 TOP ONLY from W1 to tip.
3/16" sq. spruce spars
1/16" webbing
1/8 X 1/4 spruce spars
Servo or bellcrank area
1/16" rear webbing
1/8" aileron LE
1/8" trailing edge (bottom only)
W1a, 1/16 Ply
W1a
W2a (2)
1/16" ply
1/8" balsa
tips 1/8 balsa
T1
T2
T3
R1
R2
V1
V2
S1
S2
S3
S4