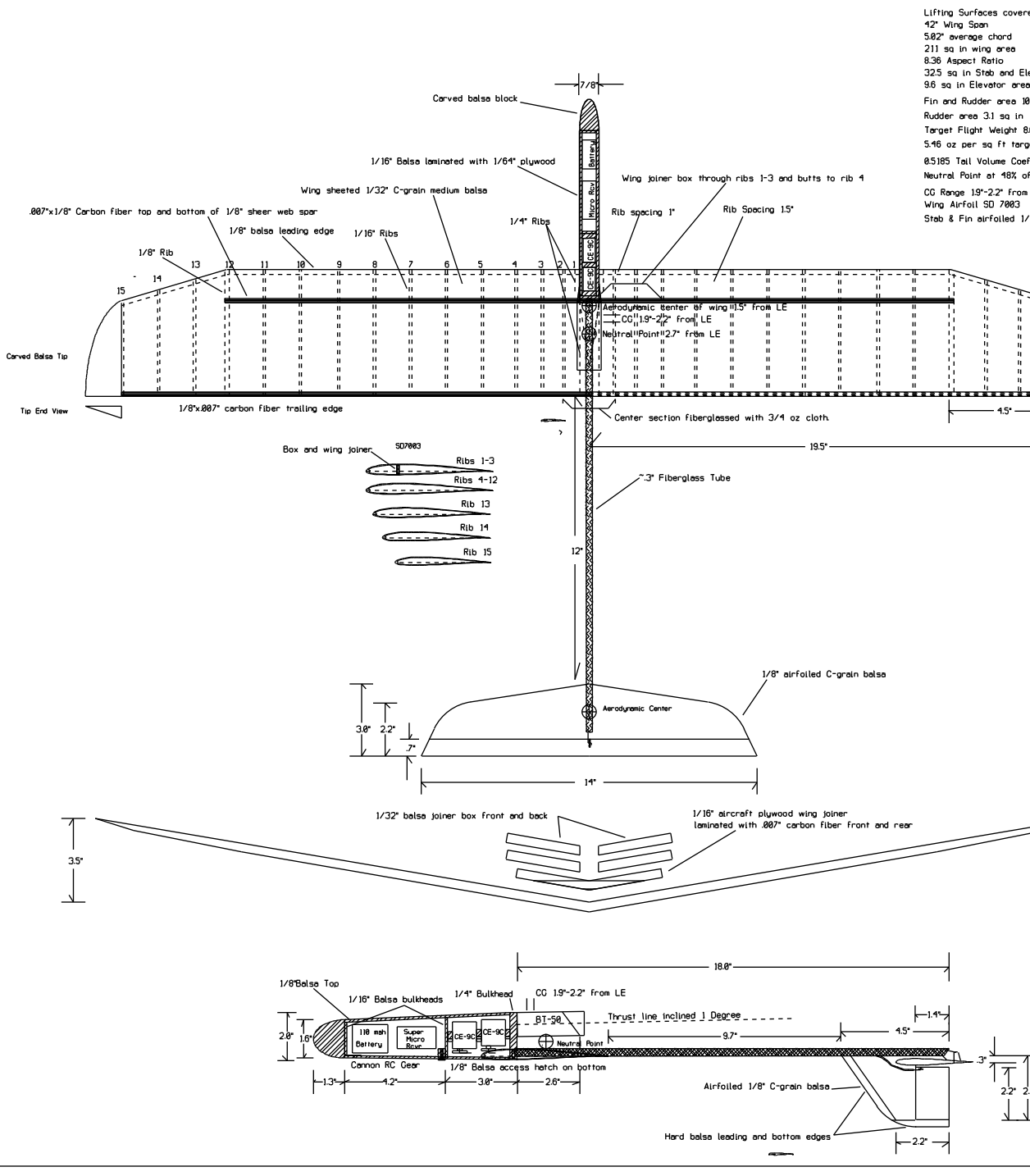

Lifting Surfaces covere
42" Wing Span
5.02" average chord
211 sq in wing area
8.36 Aspect Ratio
32.5 sq in Stab and Ele
9.6 sq in Elevator area
Fin and Rudder area 10
Rudder area 3.1 sq in
Target Flight Weight 8
5.46 oz per sq ft targ
0.5185 Tail Volume Coef
Neutral Point at 48% of
CG Range 1.9"-2.2" from
Wing Airfoil SD 7003
Stab & Fin airfoiled 1/
7/8"
Carved balsa block
Battery
Micro Rcv
CE-9C
1/16" Balsa laminated with 1/64" plywood
Wing joiner box through ribs 1-3 and butts to rib 4
Wing sheeted 1/32" C-grain medium balsa
.007"x1/8" Carbon fiber top and bottom of 1/8" sheer web spar
1/8" balsa leading edge
1/16" Ribs
1/4" Ribs
Rib spacing 1"
Rib Spacing 1.5"
1/8" Rib
Aerodynamic center of wing 1.5" from LE
CG 1.9"-2.2" from LE
Neutral Point 2.7" from LE
Carved Balsa Tip
Tip End View
1/8"x.007" carbon fiber trailing edge
Center section fiberglassed with 3/4 oz cloth.
4.5"
19.5"
Box and wing joiner
SD7003
Ribs 1-3
Ribs 4-12
Rib 13
Rib 14
Rib 15
.3" Fiberglass Tube
12"
1/8" airfoiled C-grain balsa
Aerodynamic Center
3.0"
2.2"
.7"
14"
1/32" balsa joiner box front and back
1/16" aircraft plywood wing joiner
laminated with .007" carbon fiber front and rear
3.5"
18.0"
1/8"Balsa Top
1/16" Balsa bulkheads
1/4" Bulkhead
CG 1.9"-2.2" from LE
BT-50
Thrust line inclined 1 Degree
110 mah Battery
Super Micro Rcvr
CE-9C
Neutral Point
9.7"
4.5"
1.4"
2.0"
1.6"
Cannon RC Gear
1/8" Balsa access hatch on bottom
1.3"
4.2"
3.0"
2.6"
.3"
Airfoiled 1/8" C-grain balsa
2.2"
Hard balsa leading and bottom edges
2.2"