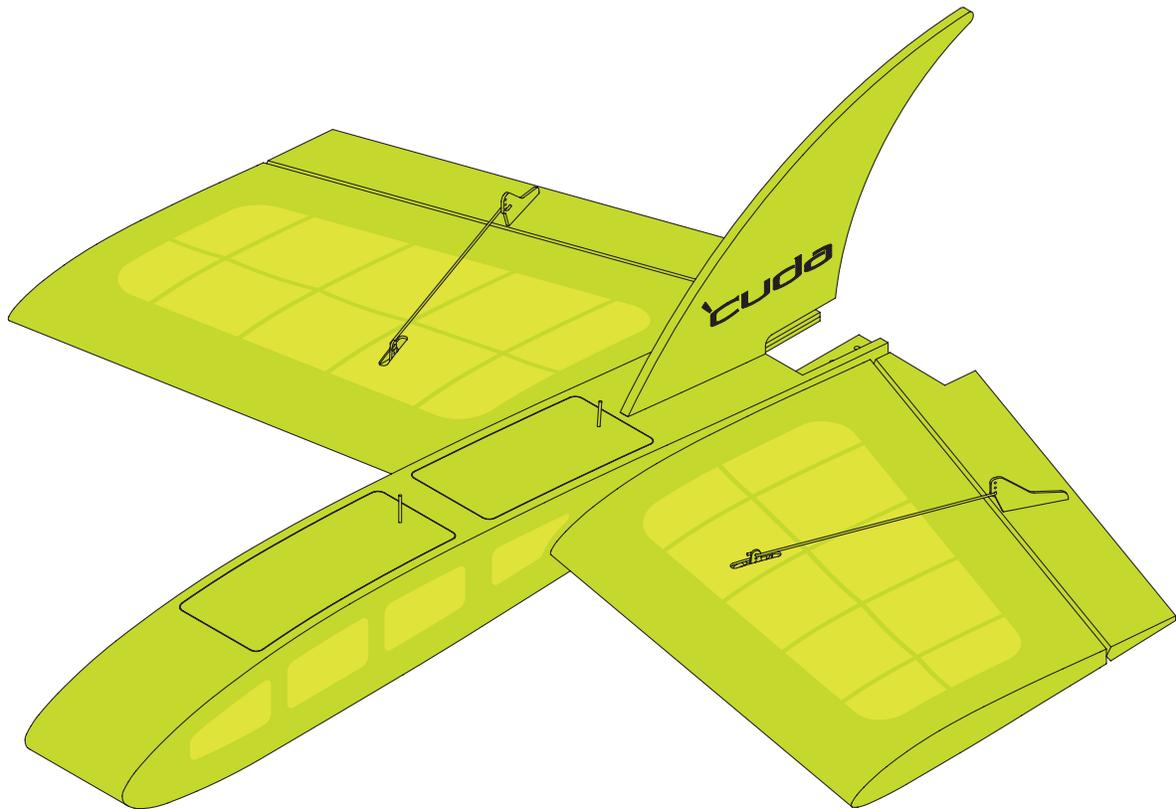


# Laine's Planes

# 'cudā



26" & 35" Wingspan

Revised: May 30, 2015

# **Time spent waiting for glue to dry can be minimized by creating sub-assemblies.**

**Below is a suggested list of suggested sub-assemblies in a suggested build order:**

Page 3: Fuselage Sides - Parts F1, F8 & F0

Page 3: Motor Mount - Parts M1 (inrunner) or M2, M3 & M4 (outrunner)

Page 4: Parts F7 & Magnets

Page 4: Fuse Top Skin - Parts T1, T2, T3 & T4

Page 5: Fuse Bottom Skin - Parts B1, B2 & B3

Page 6: Parts H1, H5 & Magnets

Page 6: Parts H3, H4

Page 7: Vertical Fin Skins - Parts V2 & V3

Page 8: Wing Root Ribs - Parts R1, D1 & D2

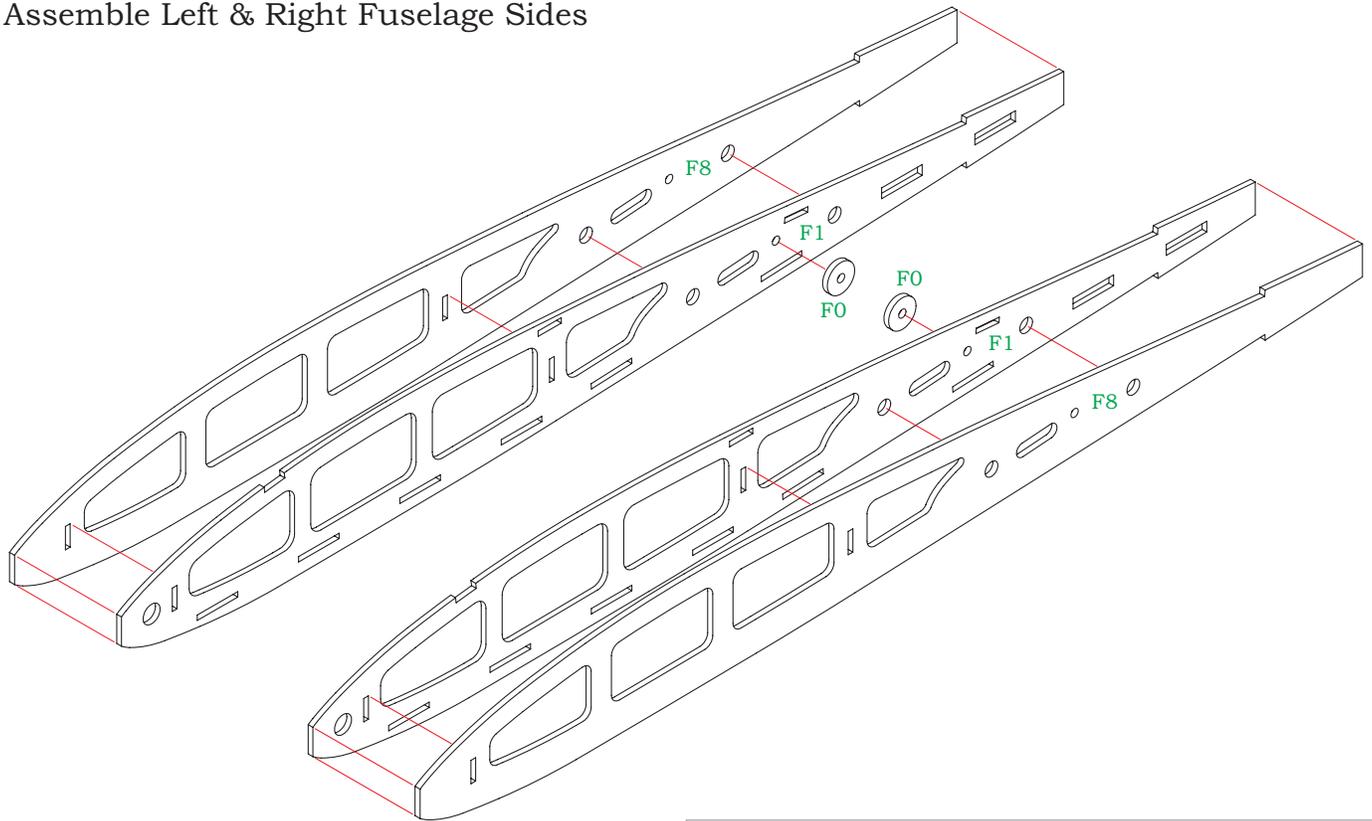
Page 10: Upper Wing Skins - Parts X1, X2, X3, X4 & X5

Page 10: Lower Wing Skins - Parts Y1, Y2, Y3, Y4, & Y5

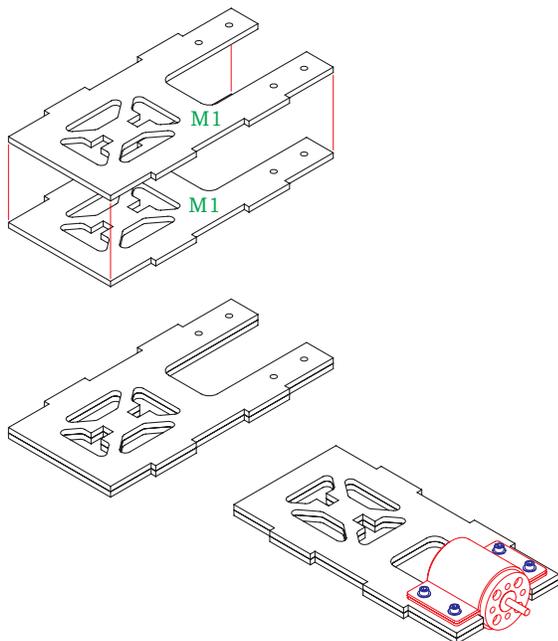
Page 12: Elevon Lower Skin & Ribs - Parts - A1, A2 & A3

# Fuselage Assembly

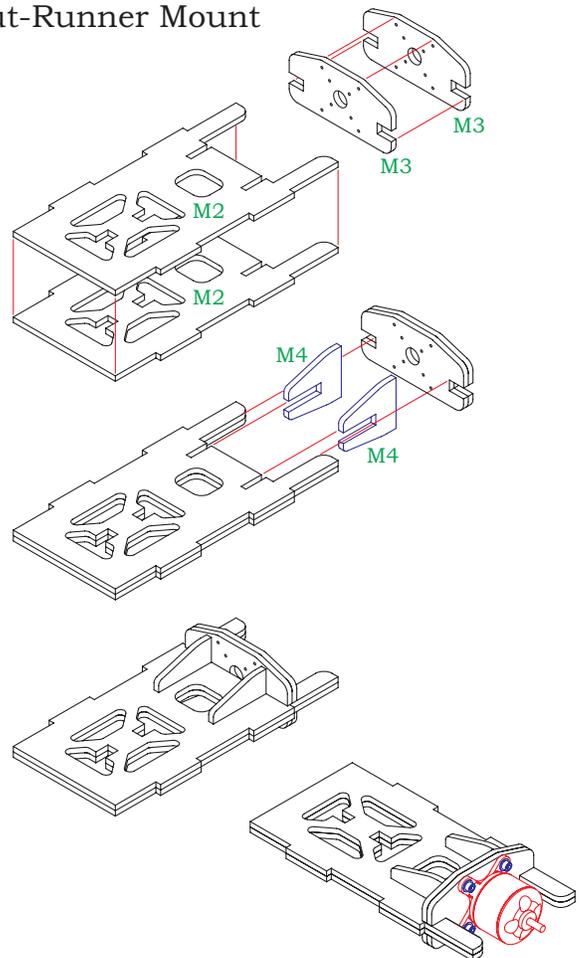
## Assemble Left & Right Fuselage Sides

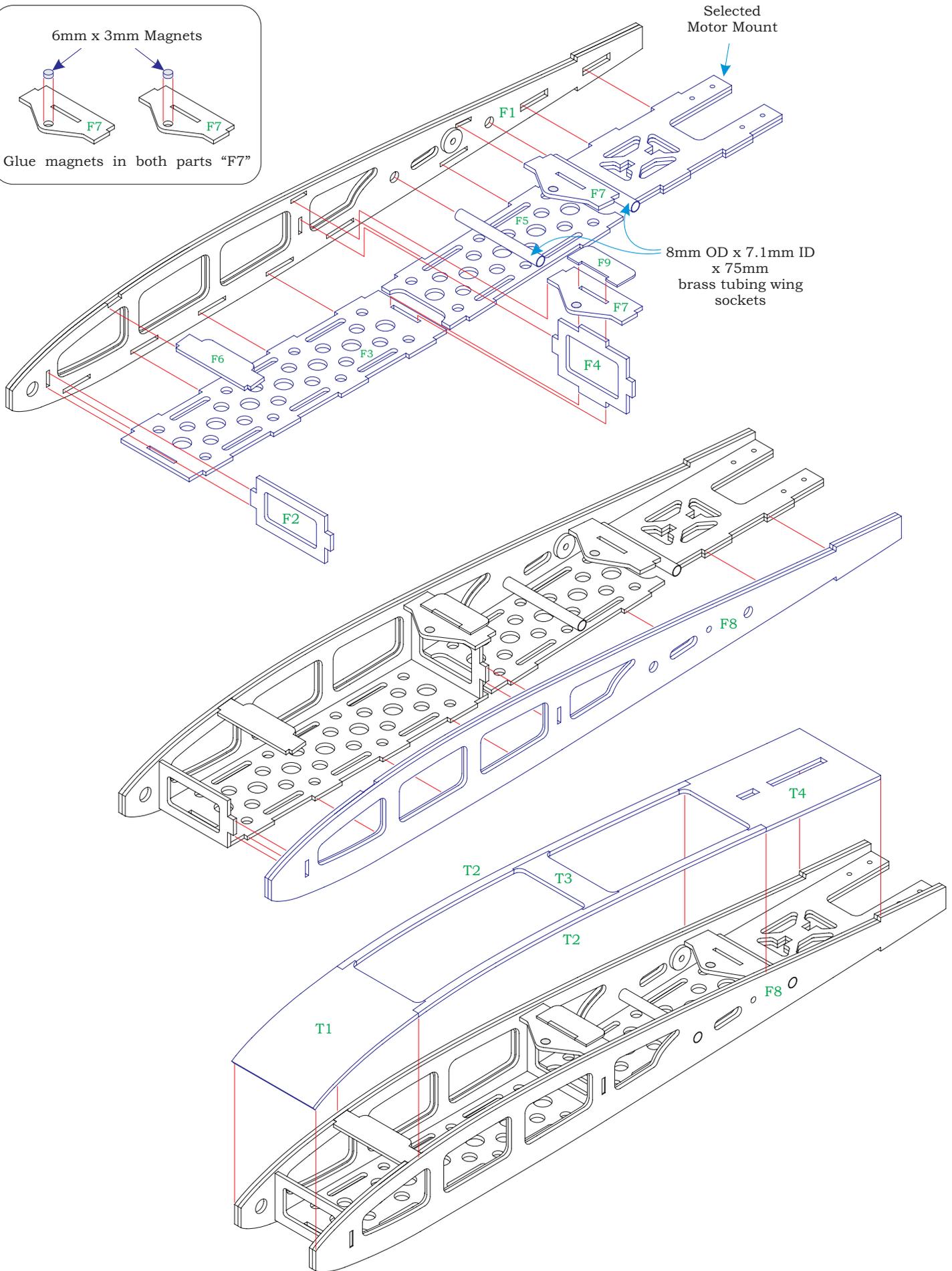
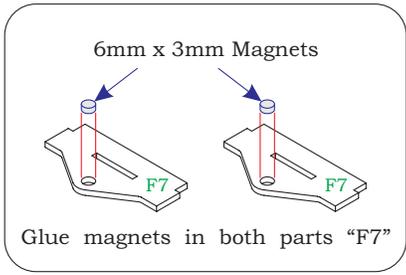


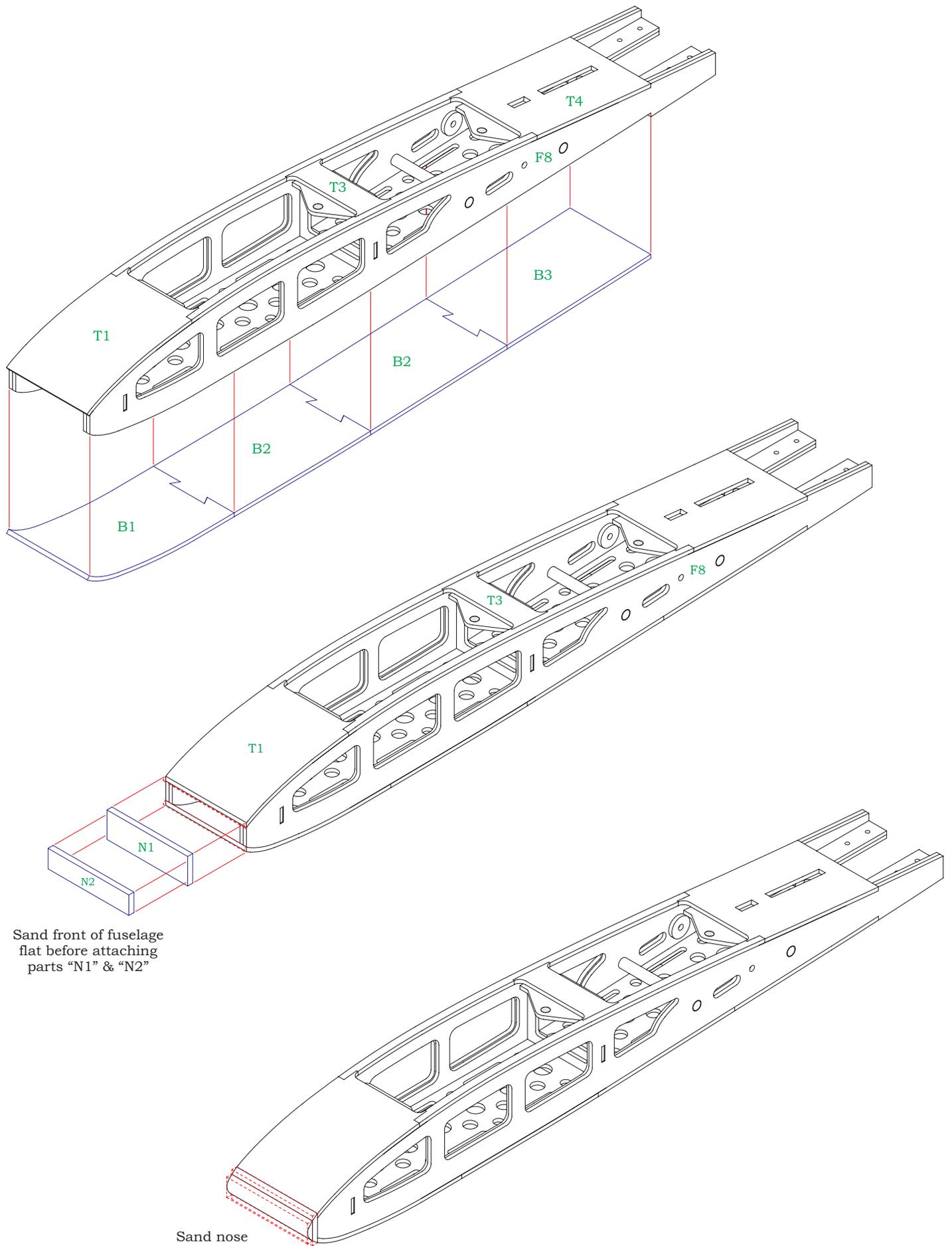
### In-Runner Mount



### Out-Runner Mount



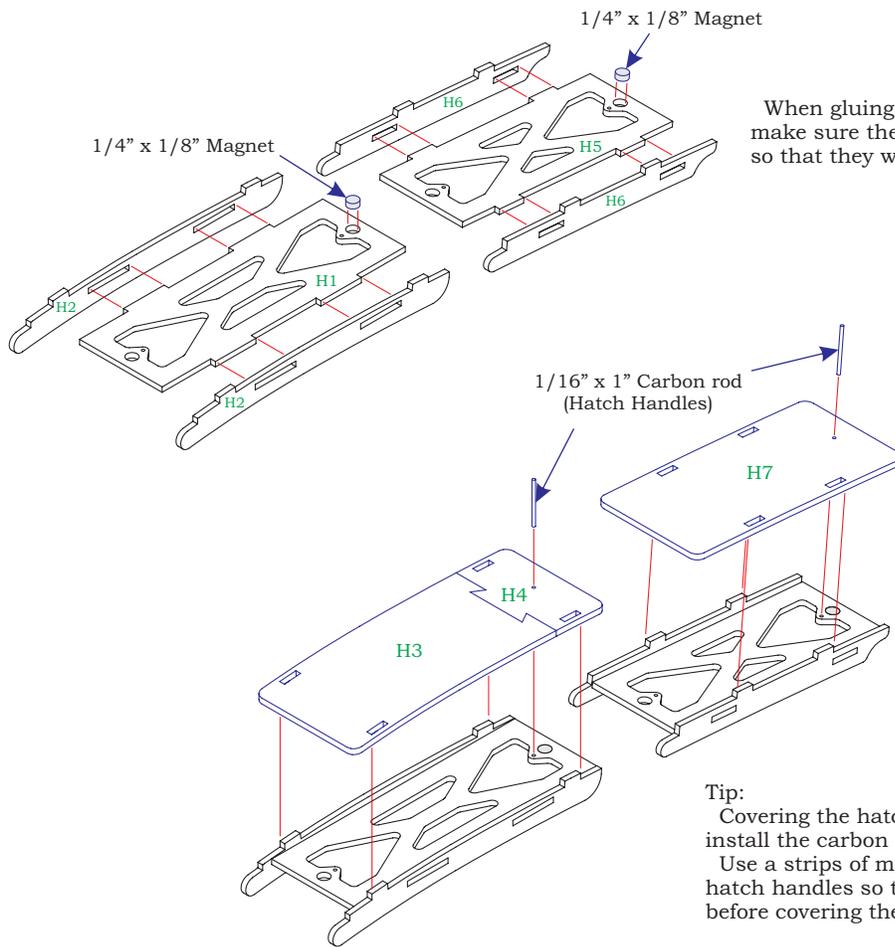




Sand front of fuselage flat before attaching parts "N1" & "N2"

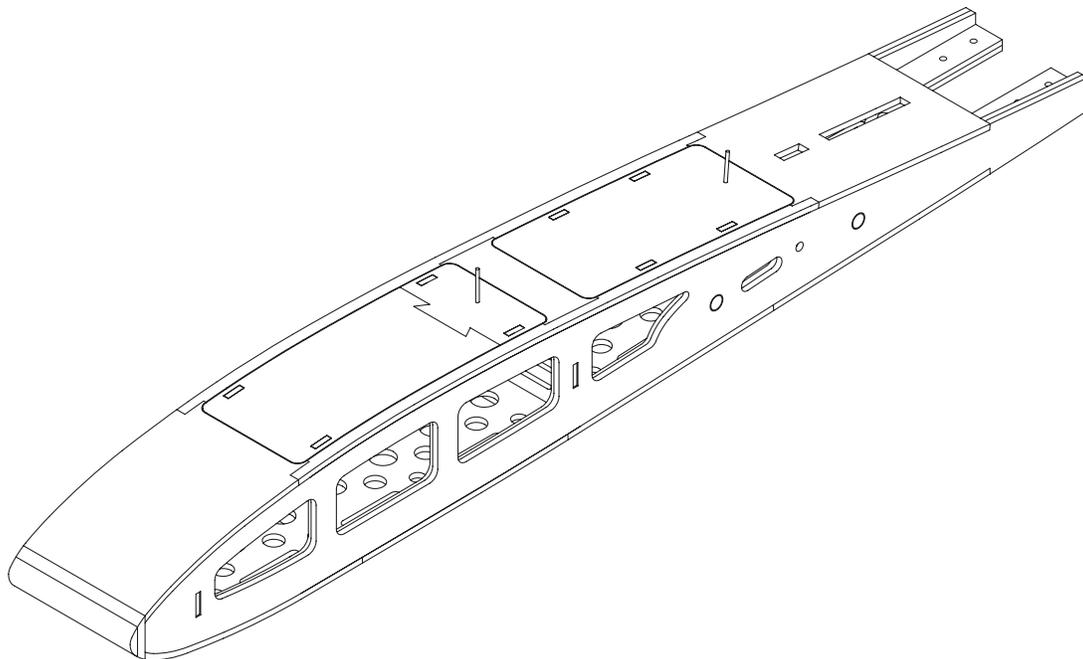
Sand nose to shape

# Hatch Assembly

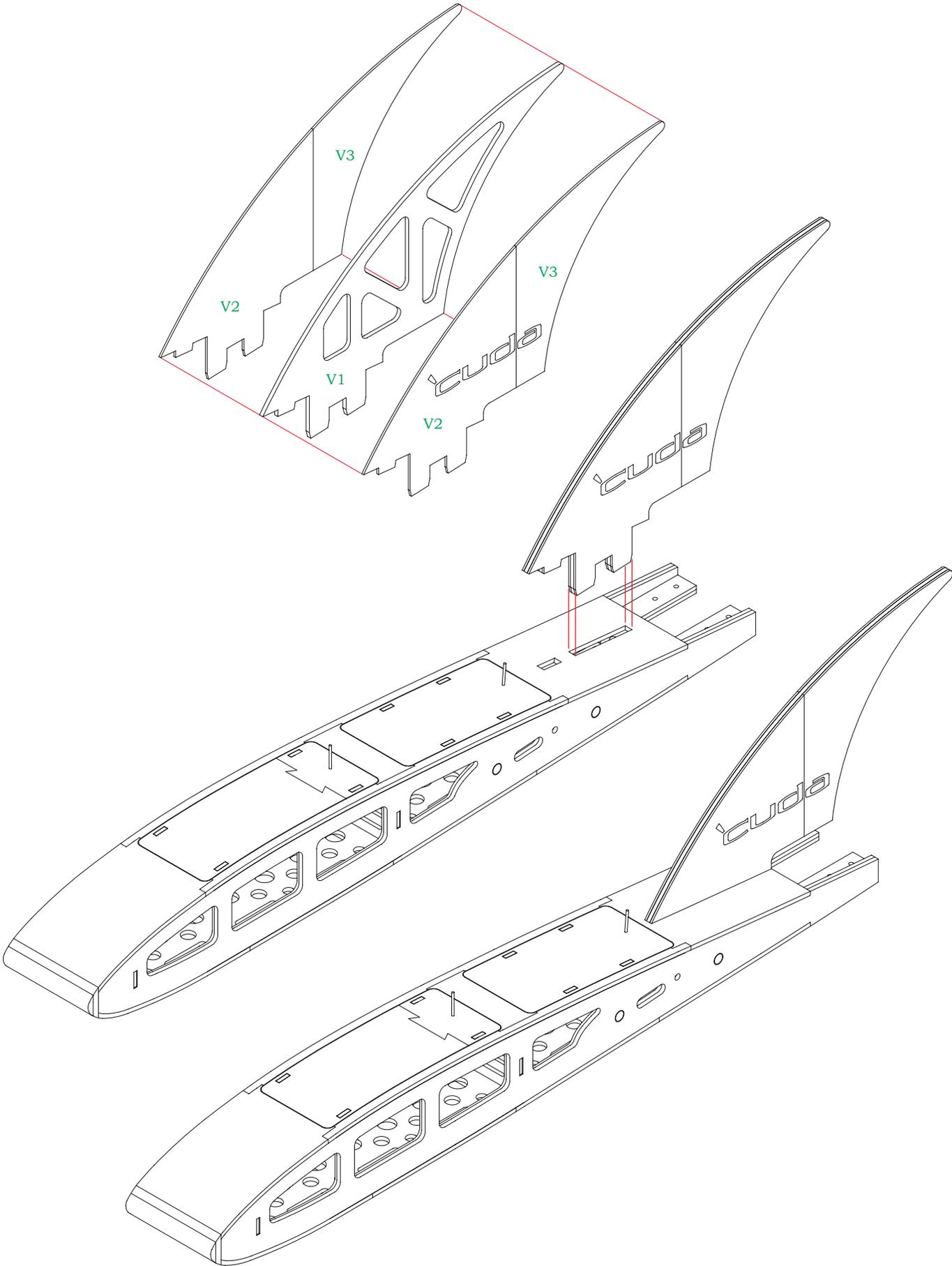


When gluing magnets into parts "H1" & "H5", make sure the magnets are oriented properly so that they will hold the hatches closed

Tip:  
Covering the hatches will be easier if you wait to install the carbon rod hatch handles after covering.  
Use a strips of masking tape the make temporary hatch handles so that you can trial fit the hatches before covering them.

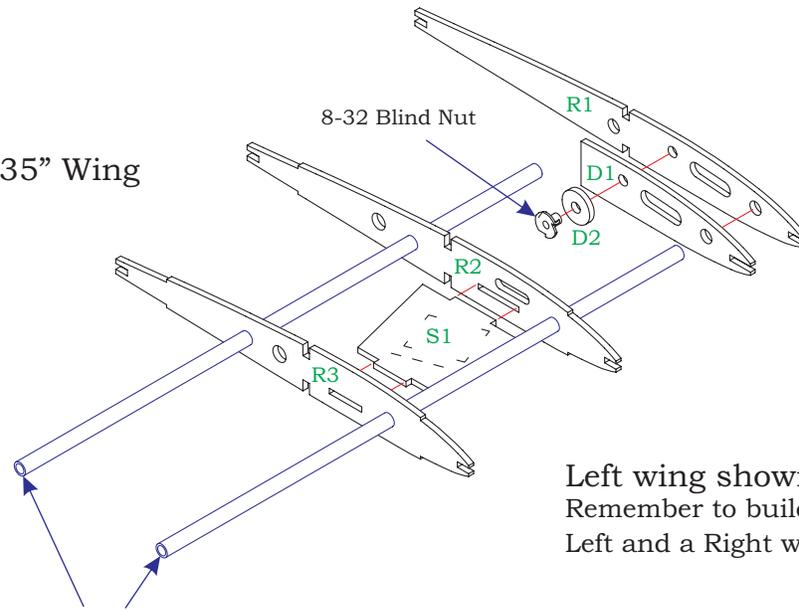


# Vertical Fin Assembly



# Wing Assembly

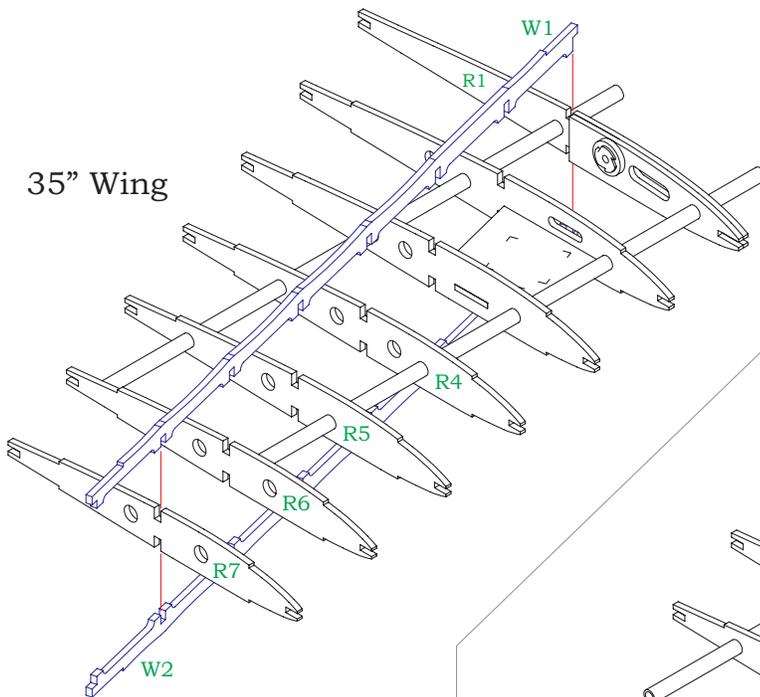
26" & 35" Wing



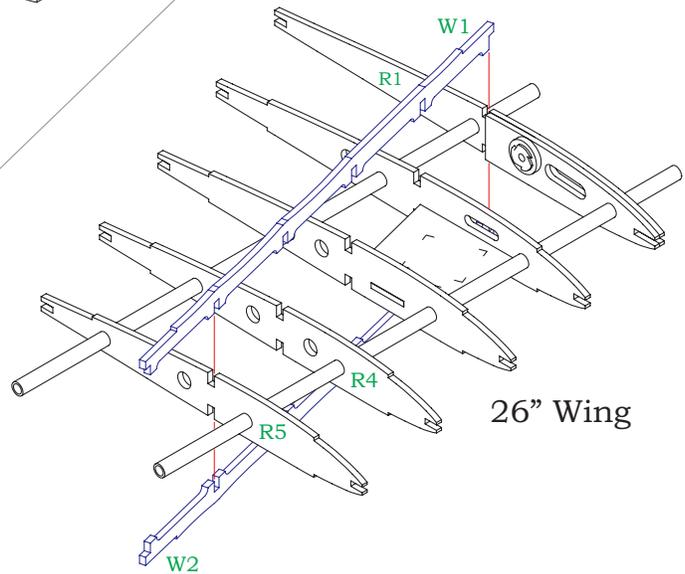
7mm Od x 5mm Id  
12 5/8" long  
carbon tube spars

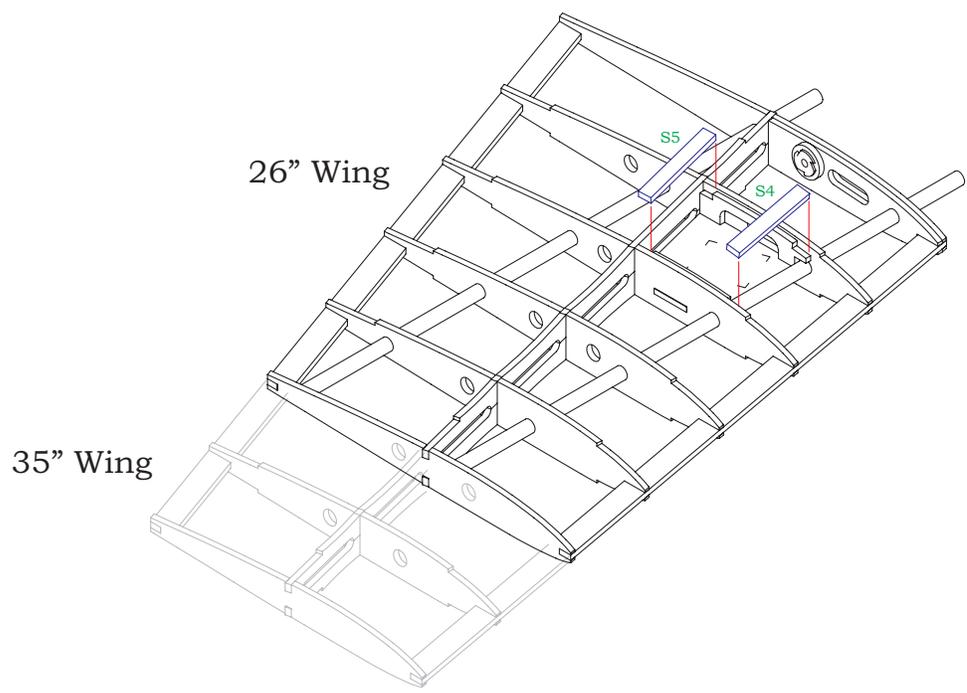
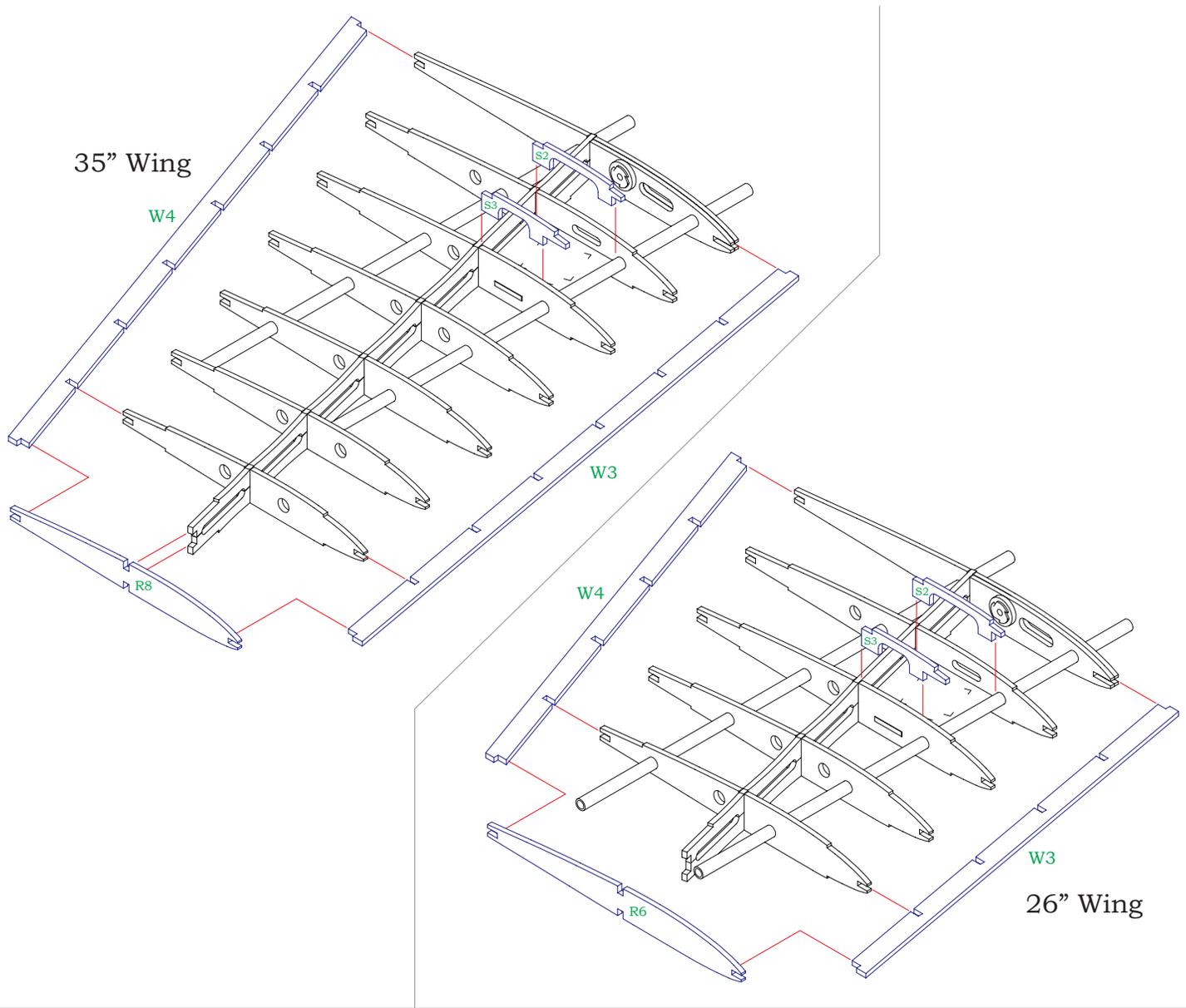
Left wing shown.  
Remember to build a  
Left and a Right wing.

35" Wing

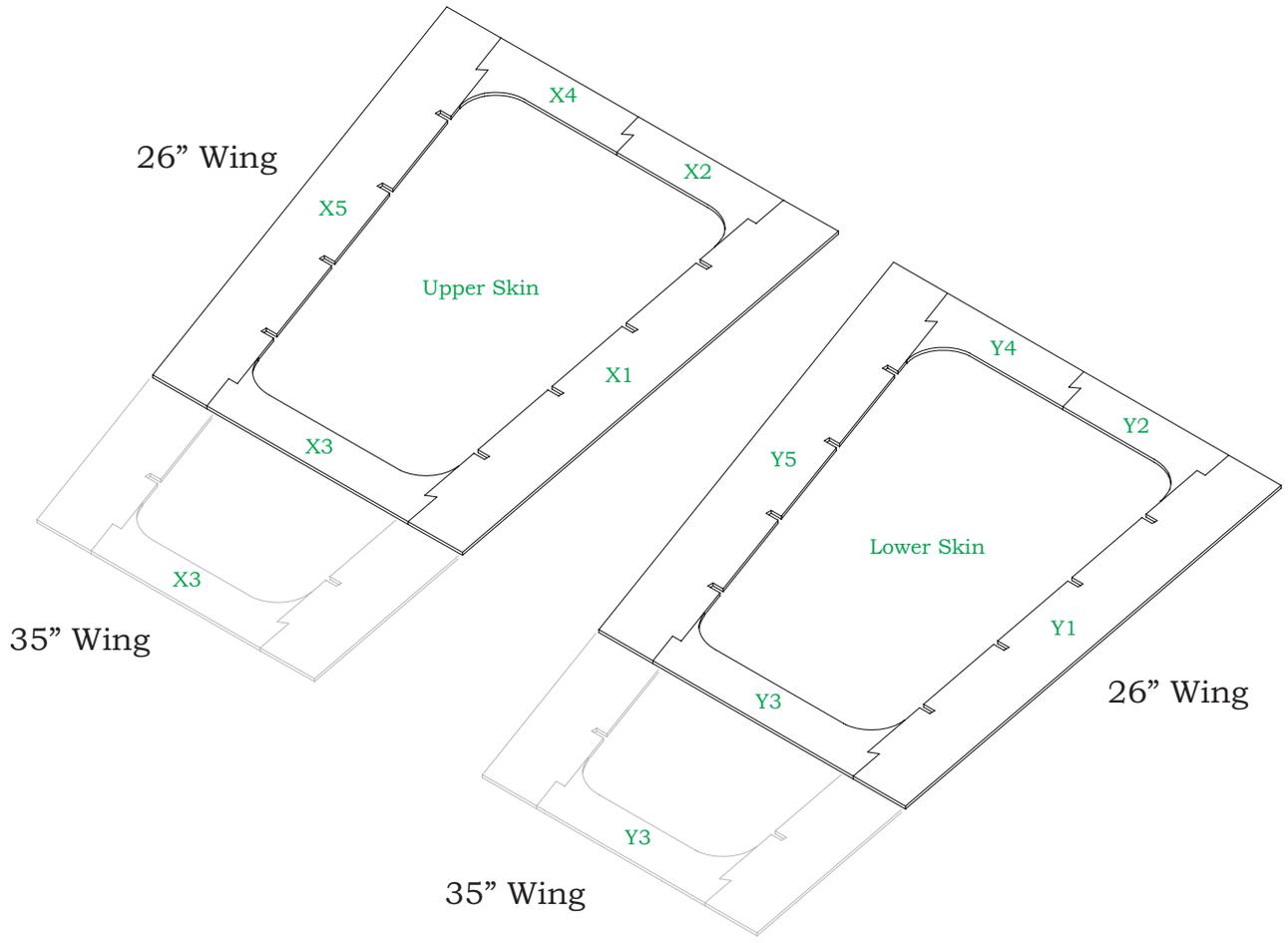
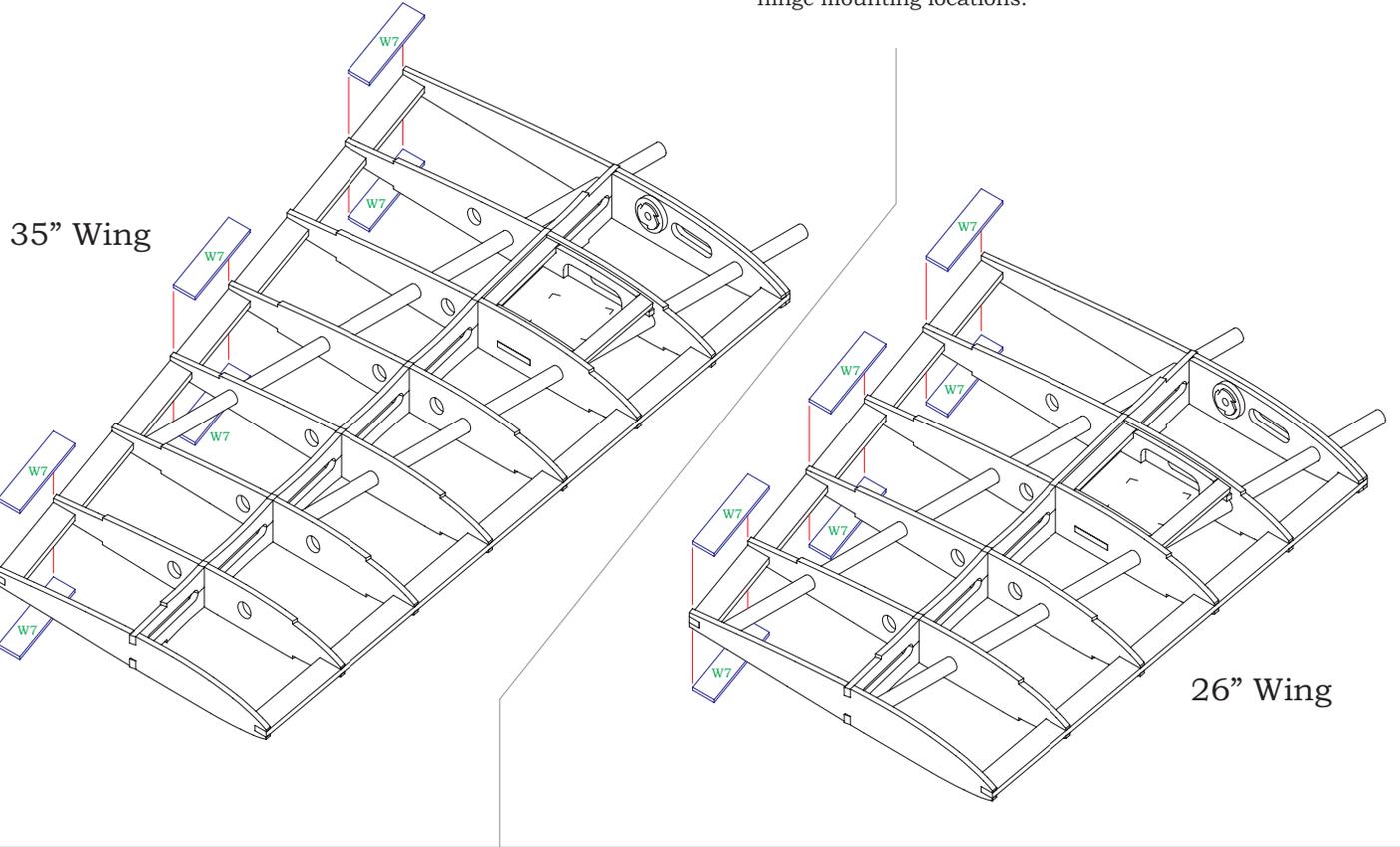


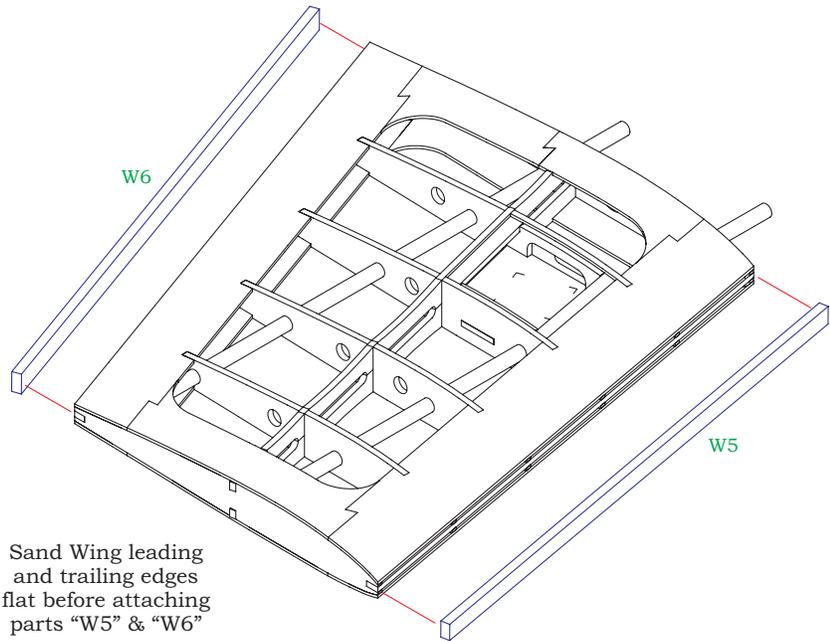
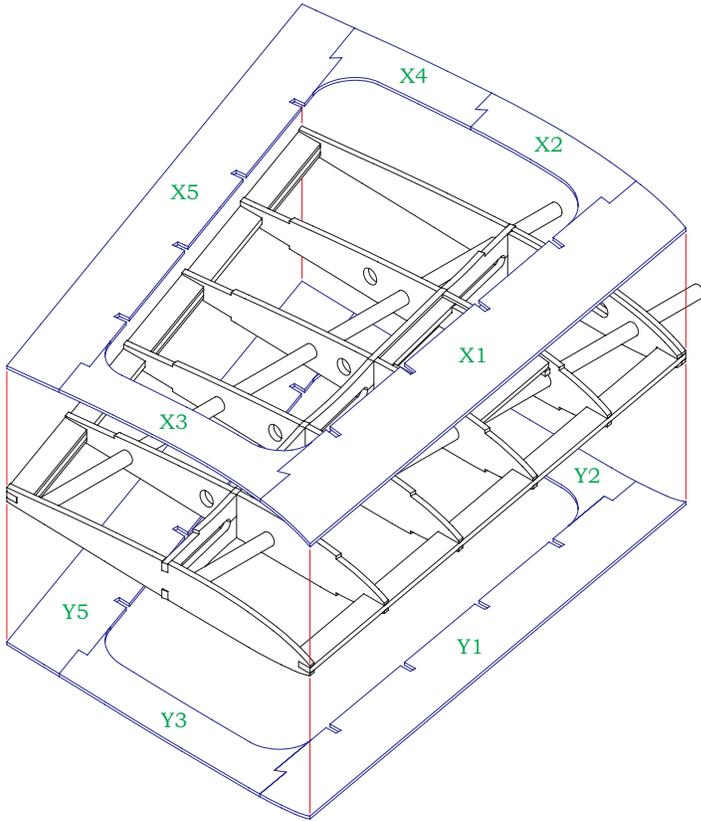
26" Wing



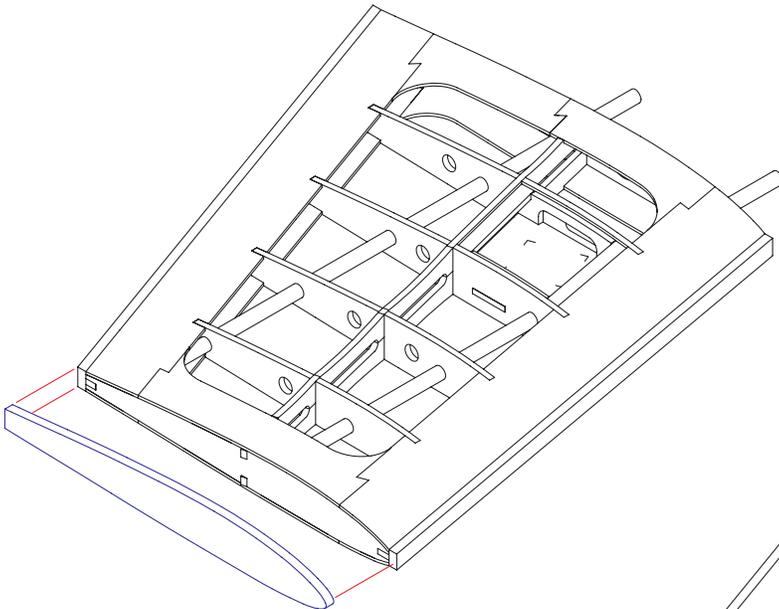


Parts W7 are intended to reinforce the hinge mounting locations.





Sand Wing leading  
and trailing edges  
flat before attaching  
parts "W5" & "W6"



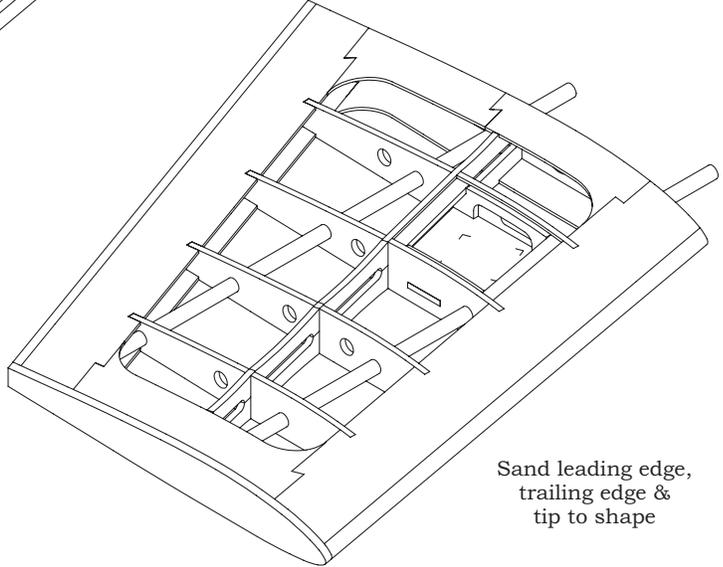
Glue wing tip cap rib on after sanding wing tip flat.



26" Wing R7

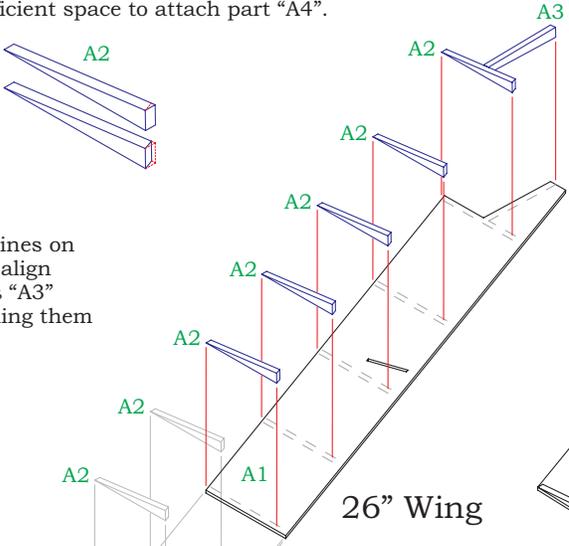


35" Wing R9



Sand leading edge, trailing edge & tip to shape

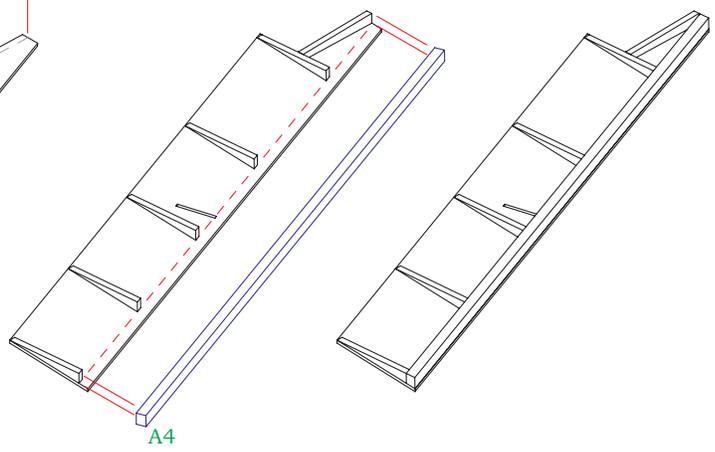
Aileron ribs (Parts "A2") should be beveled slightly at the thick end prior to assembly to allow sufficient space to attach part "A4".



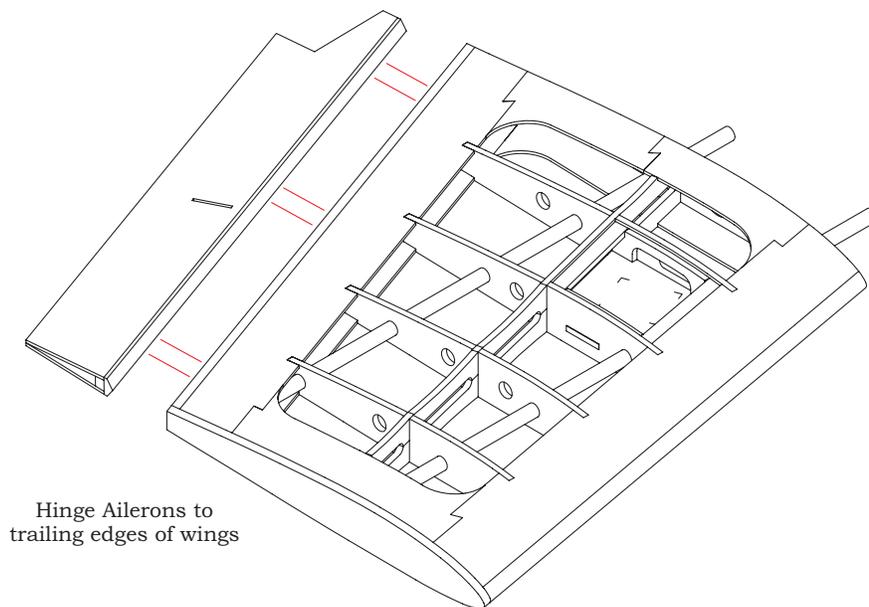
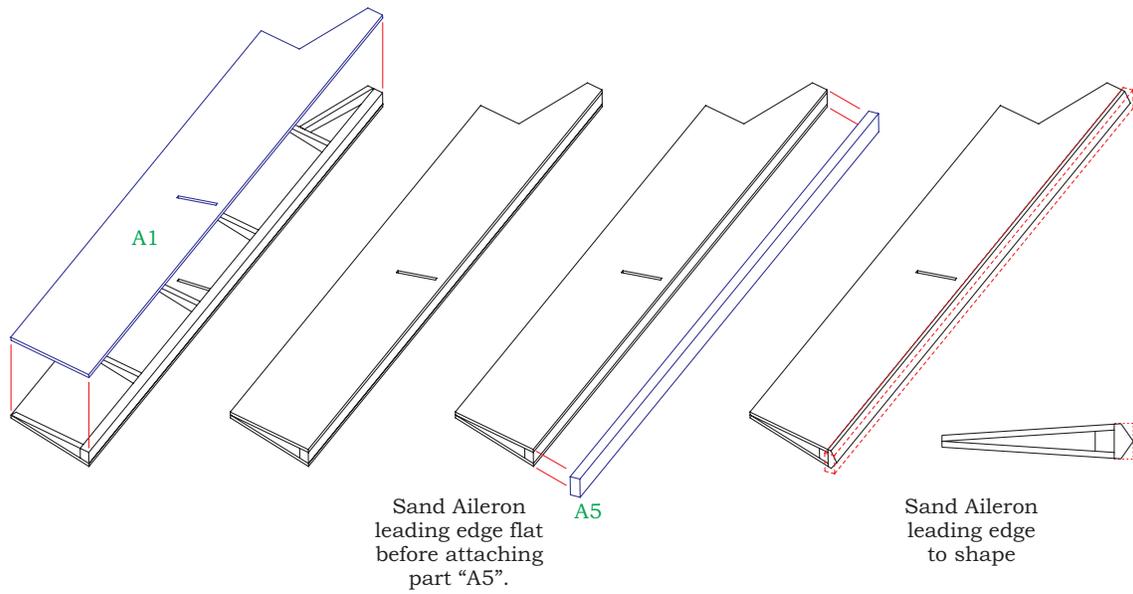
Use etched lines on part "A1" to align parts "A2" & "A3" when attaching them to "A1".

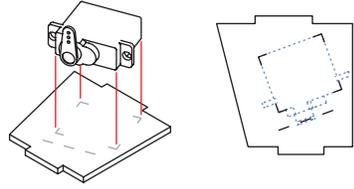
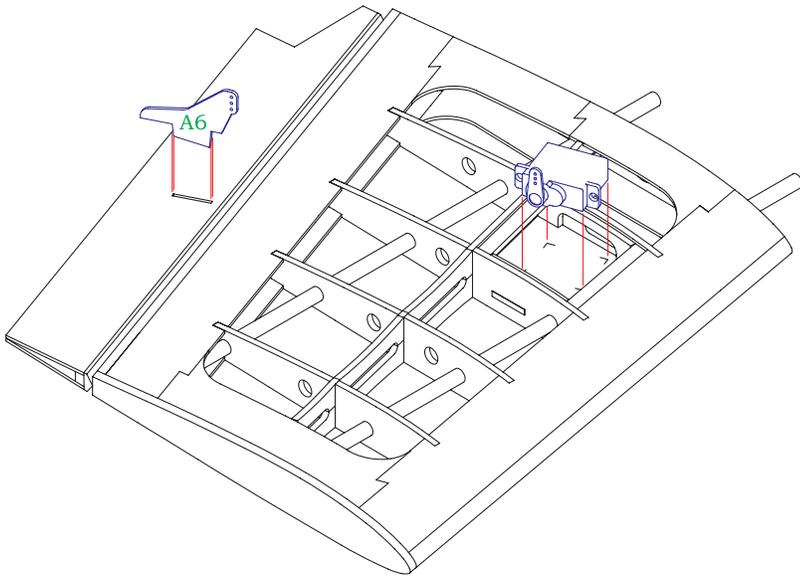
26" Wing

35" Wing

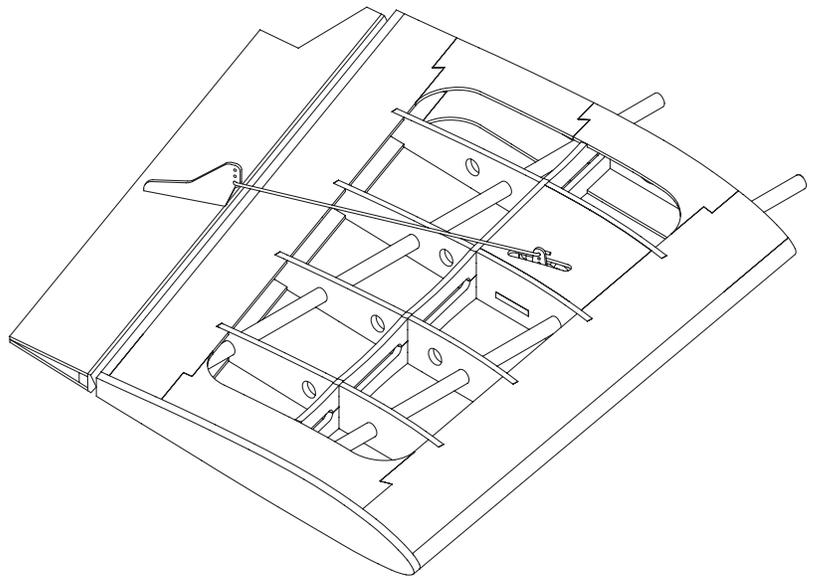
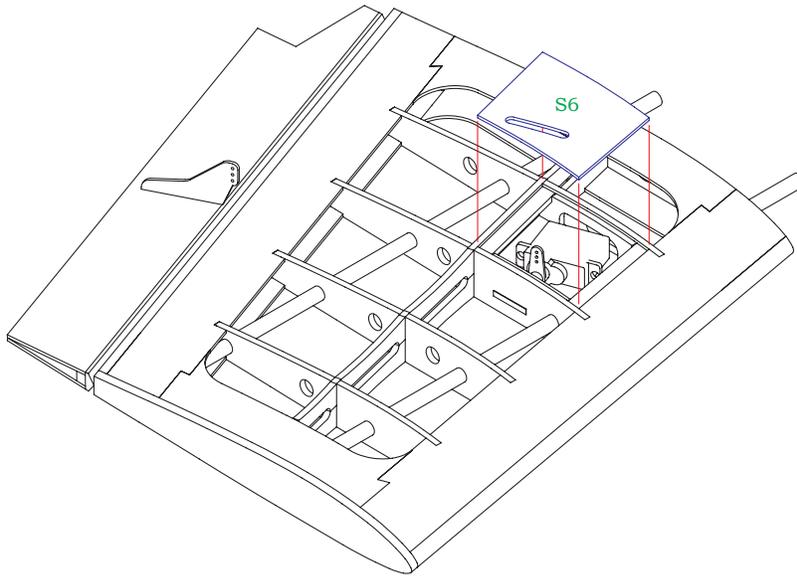


A4

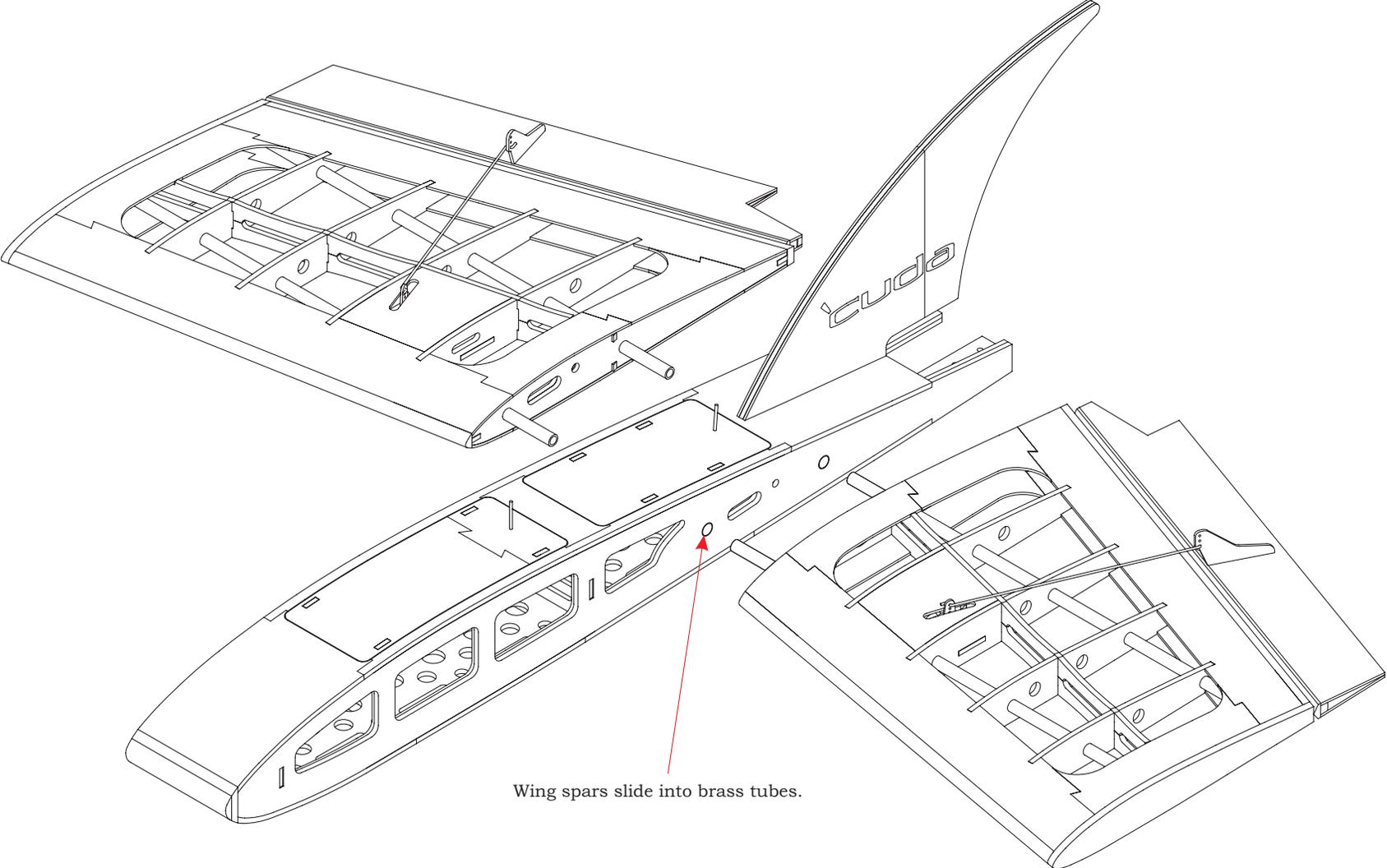




Use etch marks for proper orientation when attaching servos to part "S1"

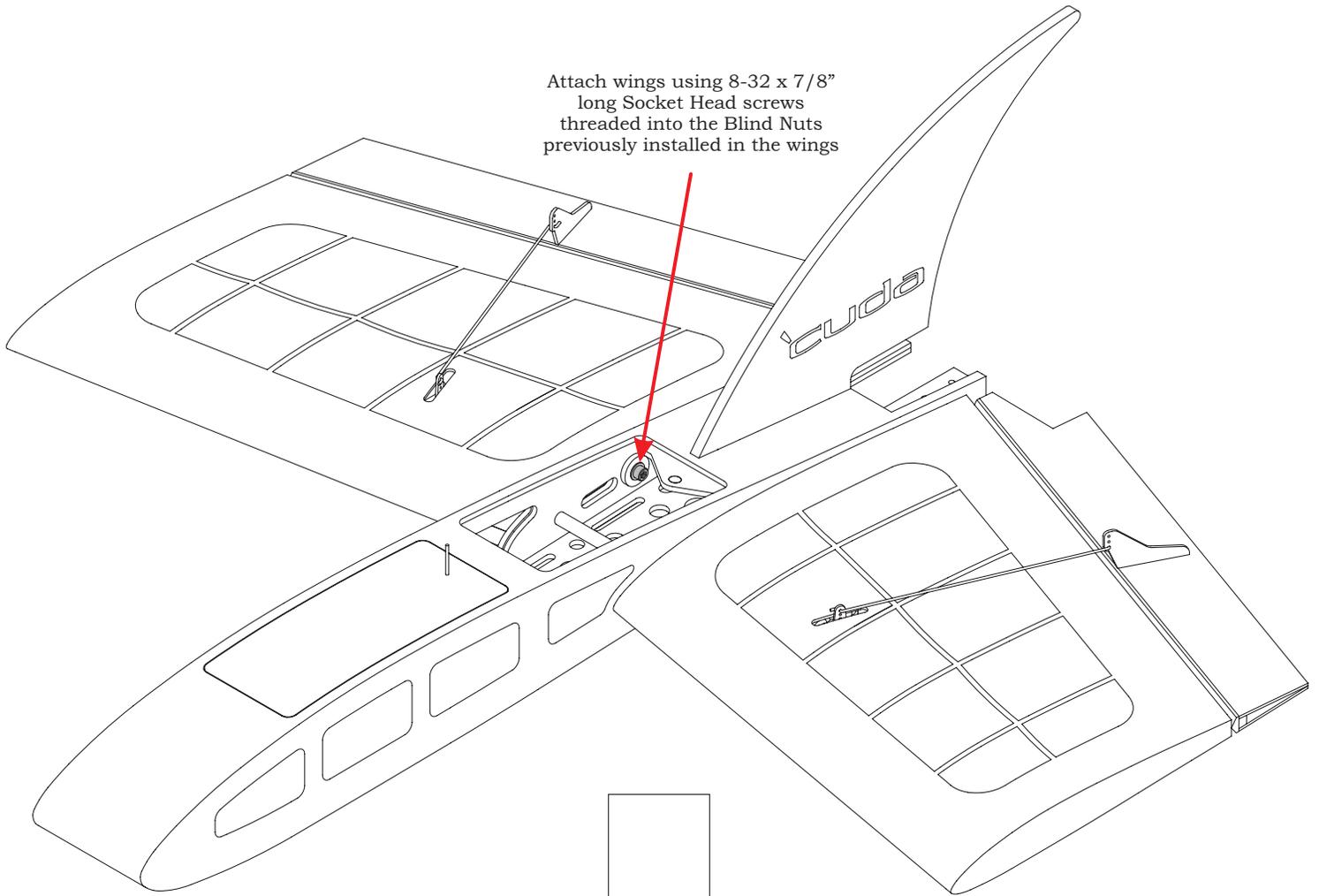


# Final Assembly



Wing spars slide into brass tubes.

Attach wings using 8-32 x 7/8" long Socket Head screws threaded into the Blind Nuts previously installed in the wings



The Center Of Gravity should fall approximately where leading edge of the wing meets the side of the fuselage.

