



Vertical Tail Area = 156sq-in
 Balsa: 1/4 x 1/2 x 130" total length = 16.25cu-in
 Balsa weight = 16.25 x 0.091oz/cu-in = 1.5oz
 Covering area = 2.2sq-ft @.075oz/sq-ft = 0.17oz
 13" x 0.210"OD carbon fiber tube = 0.25oz
 Adhesives, horn and hinges = 0.7oz (est.)
 Total Weight = 2.62oz

Use 1.0" x 0.312" balsa aileron stock for trailing edge

0.210" Carbon fiber tube

F12

HS-65MG
 Weigh: 0.44oz (12.5g)

Solar Plane Vertical Tail
(Print at 250% for 1:1 building plans)
 Gary Stevens 4/16/17