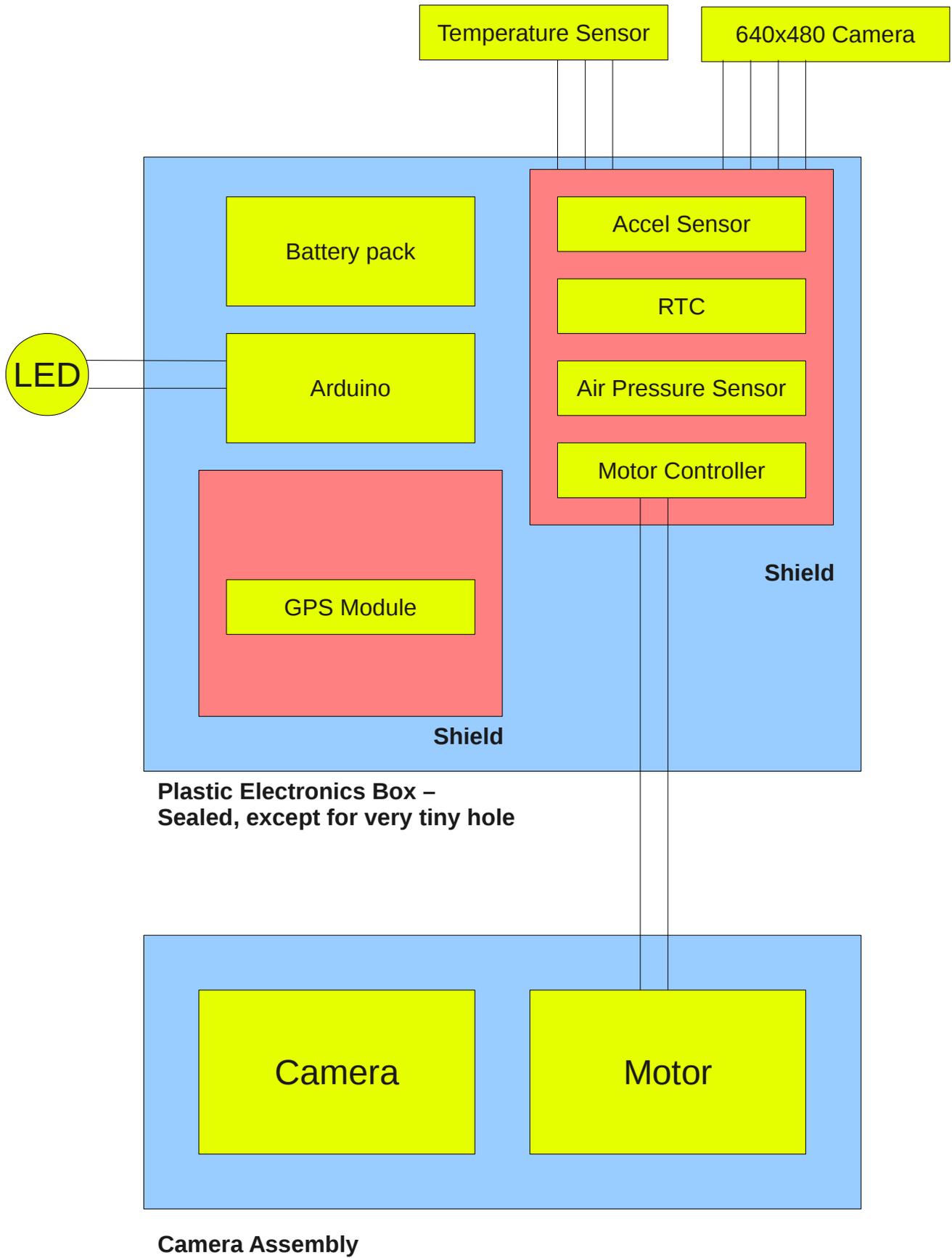
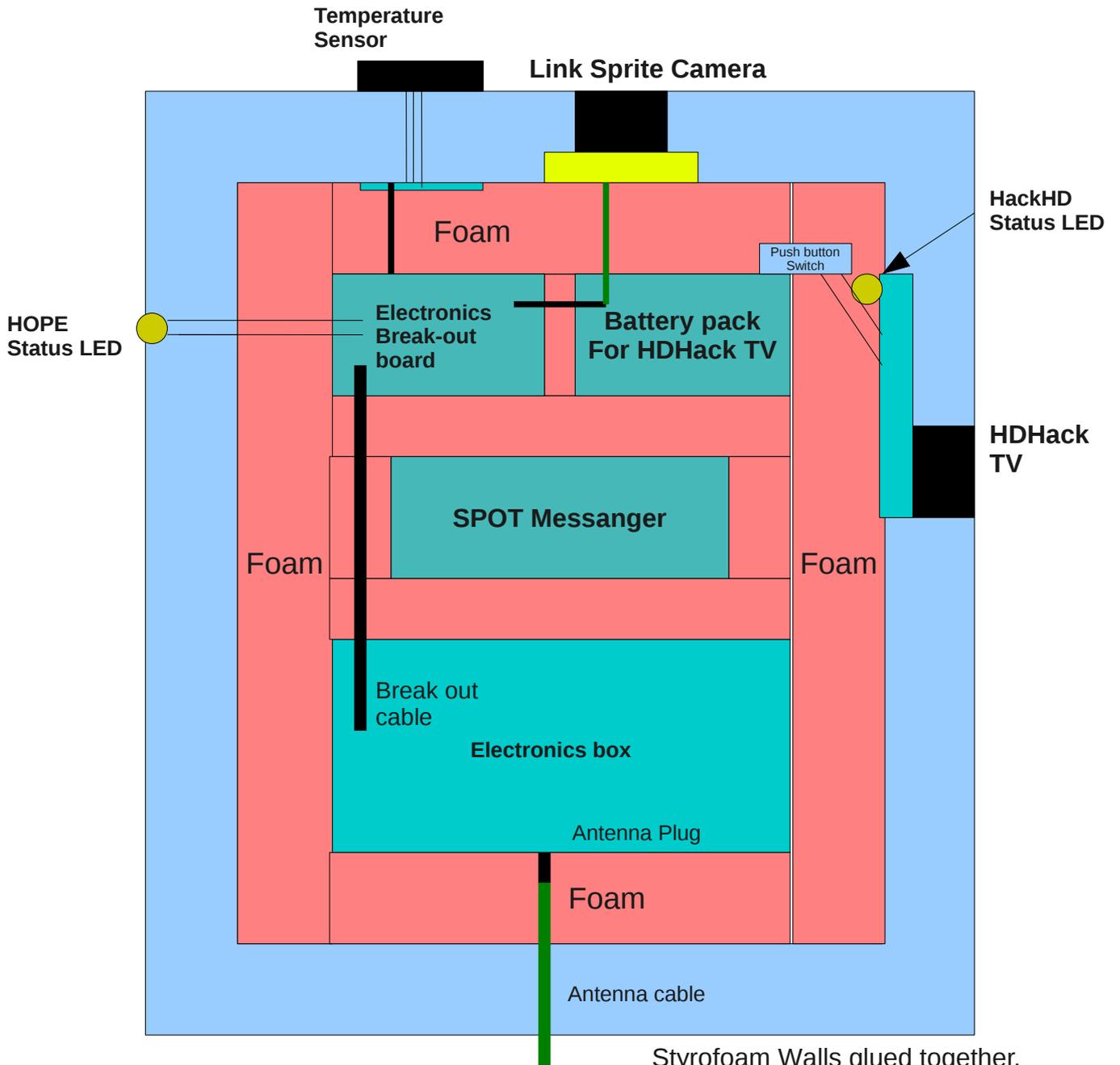


Logical Design



Payload Design

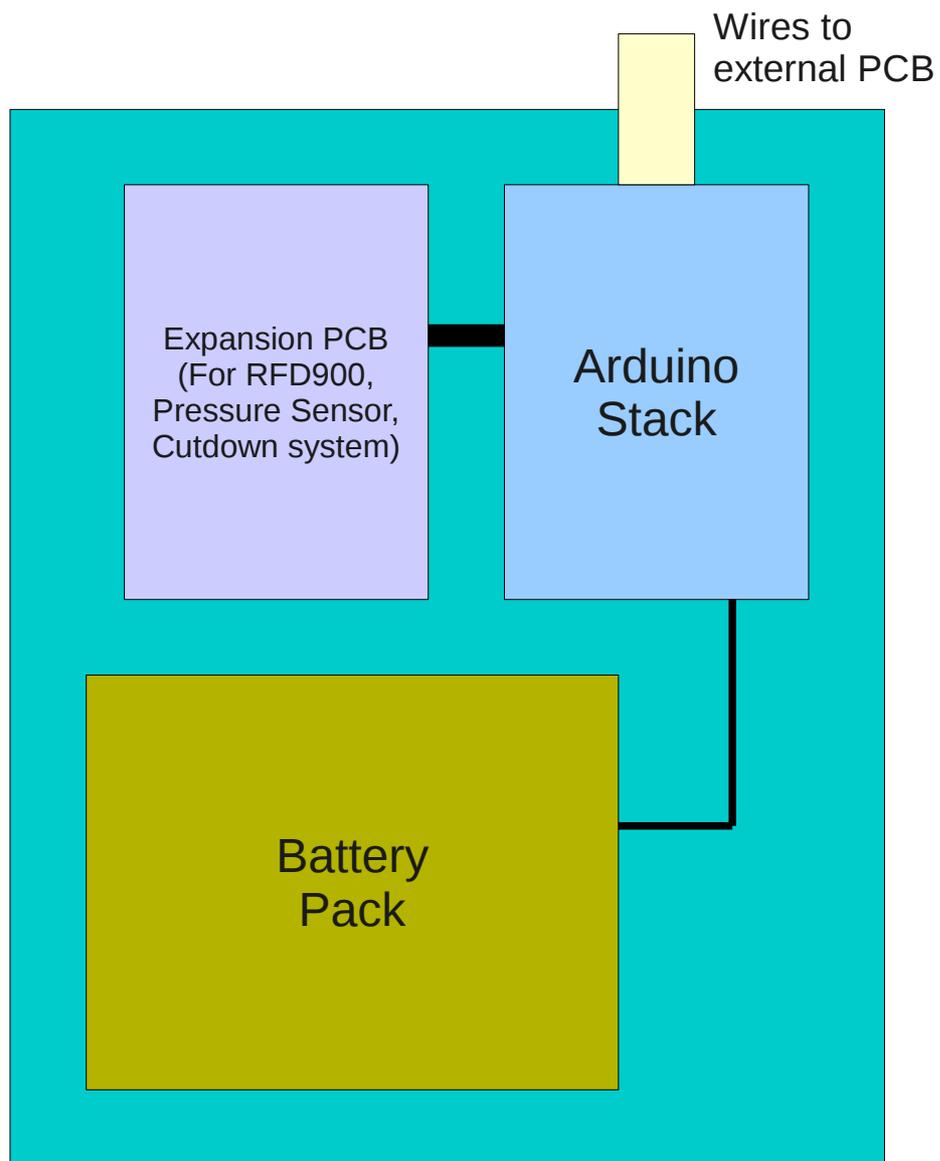


Styrofoam Walls glued together.
Will encase in strong material case.



Foam is in three sections, top, middle and bottom

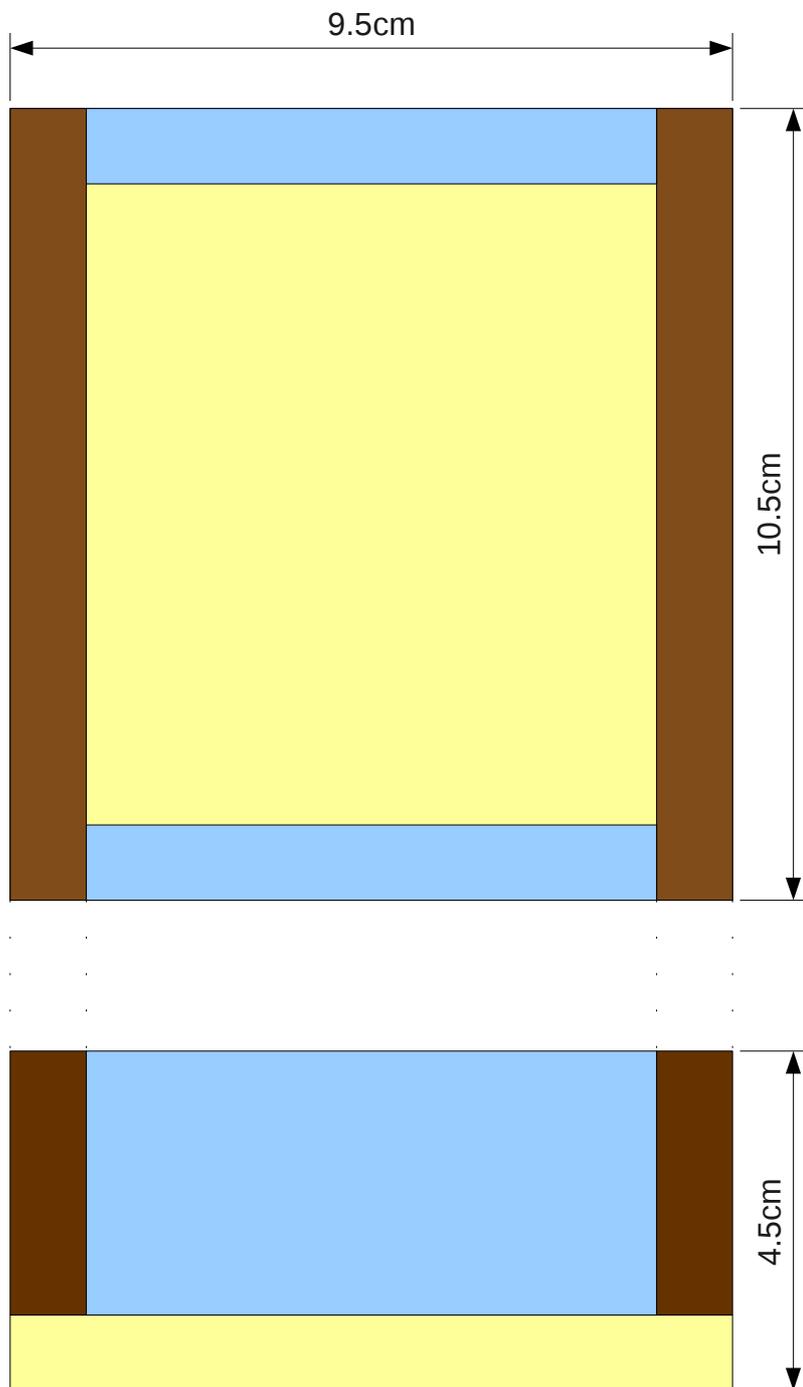
Electronics Design



Arduino stack consists of:-

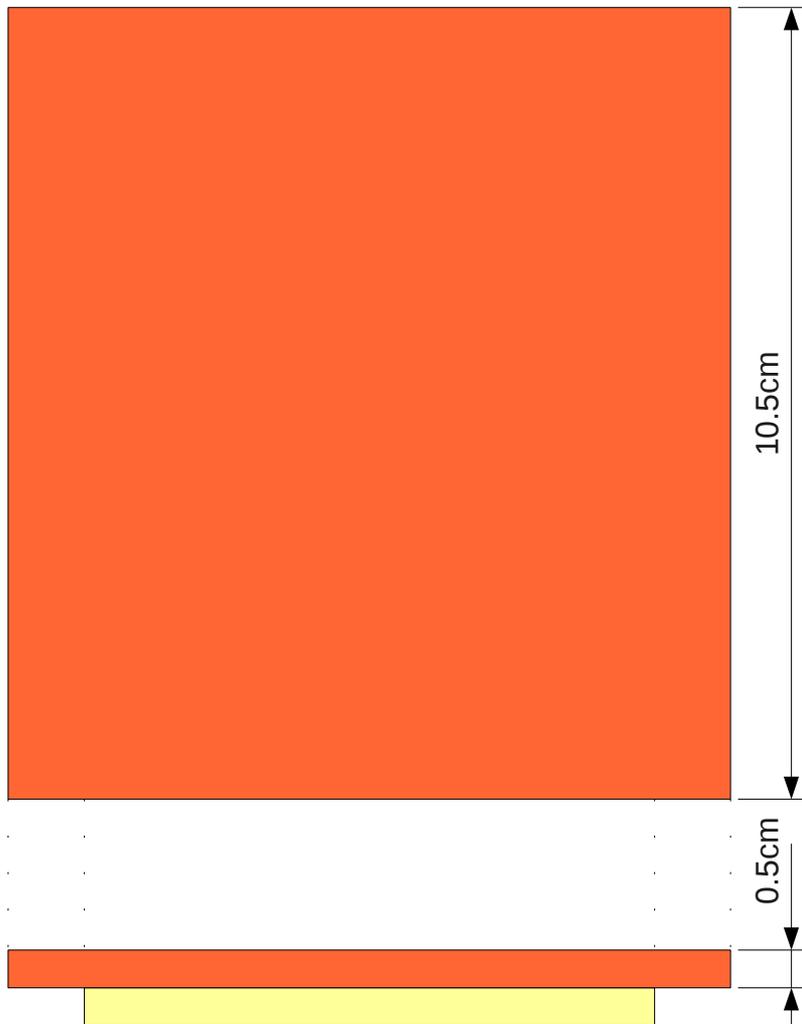
- * Arduino USBDroid
- * Proto shield with RTC and accelerometer
- * GPS Shield and EMS-407A
- Temperature reader

Poly Styrene Box Design (1/2)

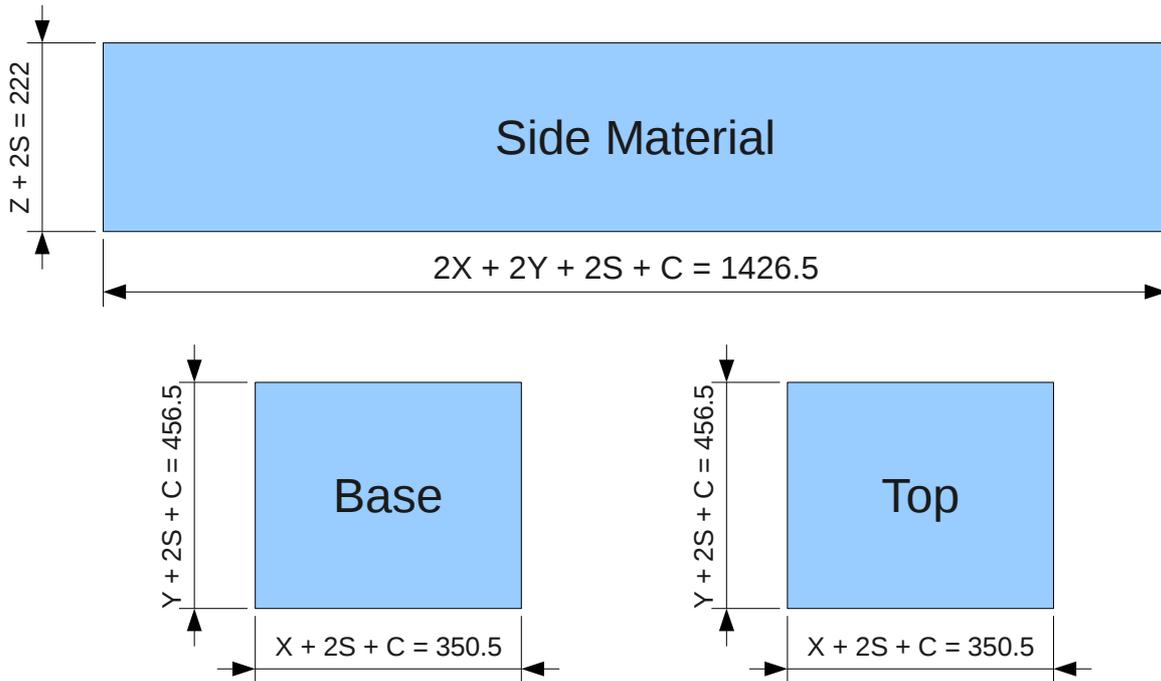


Poly Styrene Box Design (2/2)

The Lid



Material dimensions



All measurements are in mm

$S = 25$

$X = 288$ (Width)

$Y = 394$ (Length)

$Z = 172$ (Height)

$C = 12.5$ (Clearance)

Supplier: www.intothewind.com

Material Type: Ripstop Bylon (Spinnaker cloth)

Quantity: 1000mm x 2000mm

Thread:

Eight 1" split key rings

300 mm of Velcro

300 mm of thin clear vinyl

Note: The dimensions of the material exceed dimensions of the box because we need to allow for seams and a small buffer

