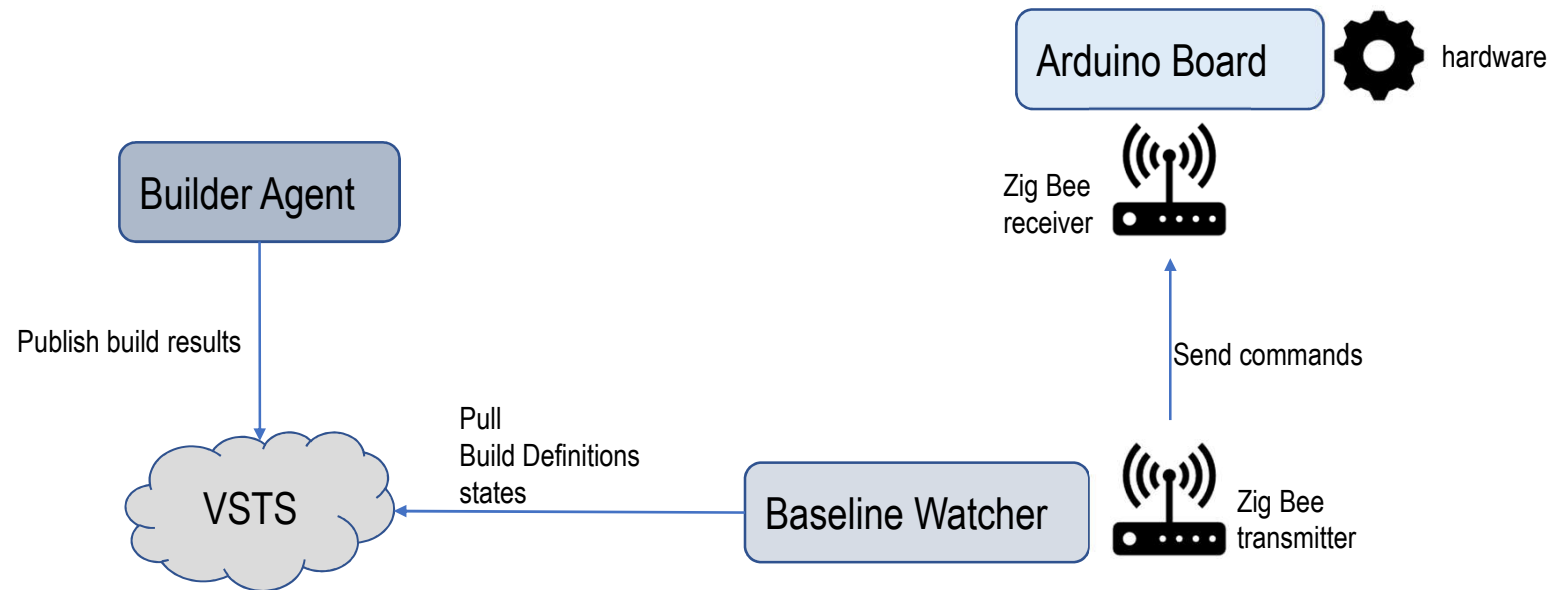
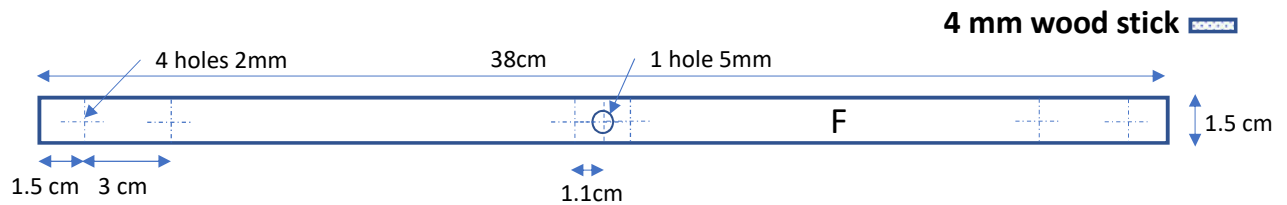
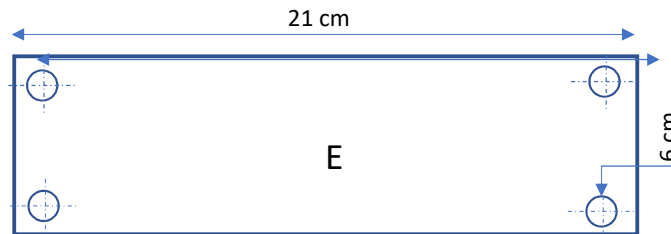
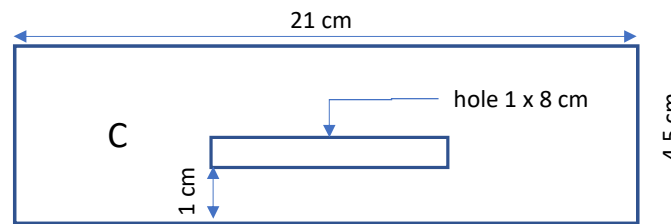
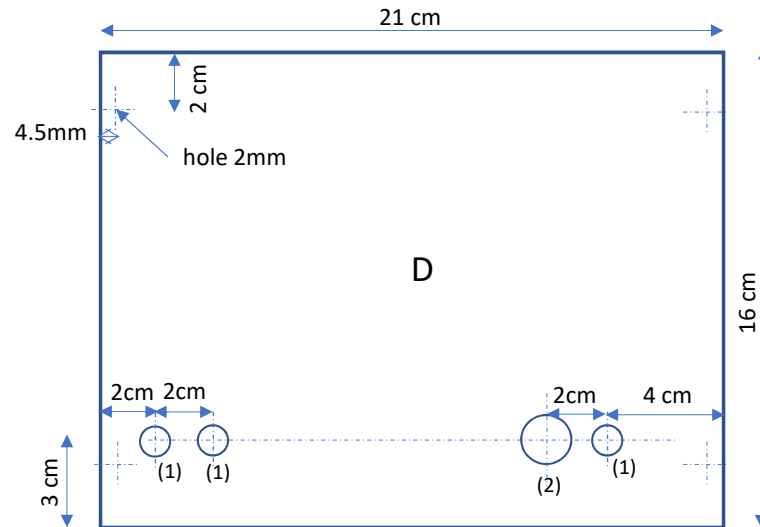
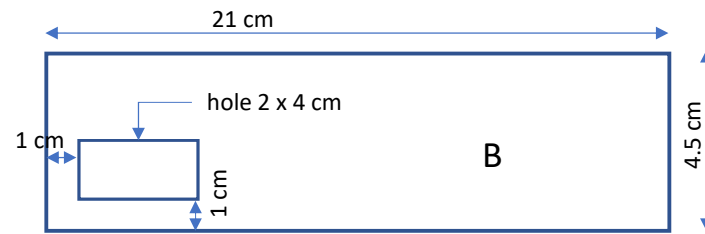
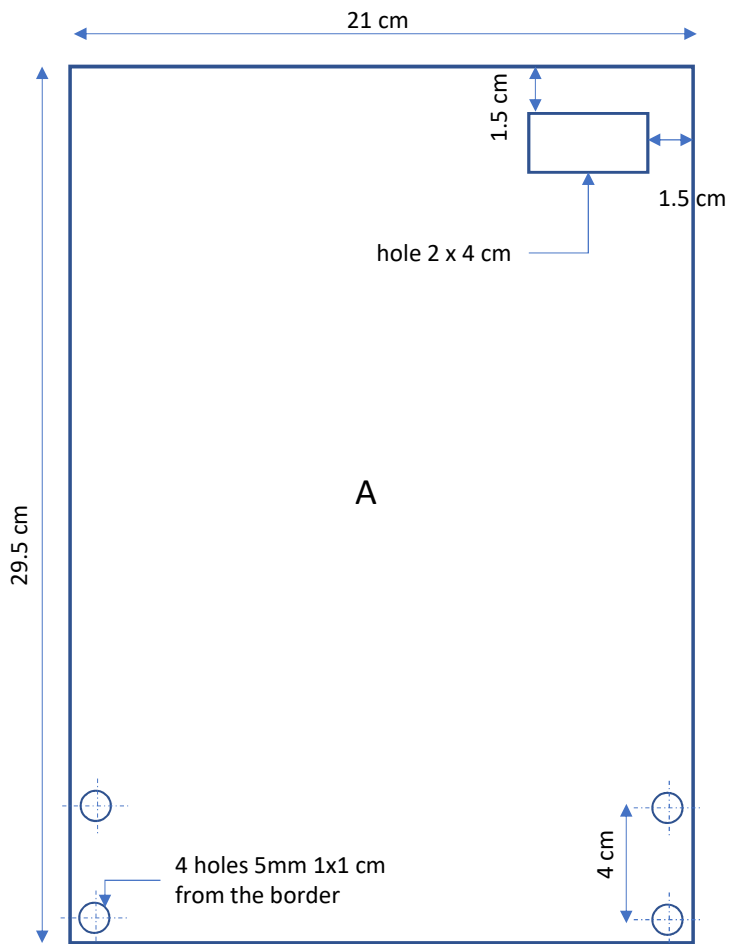


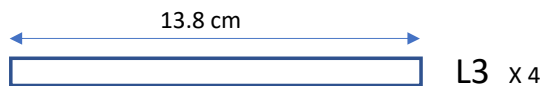
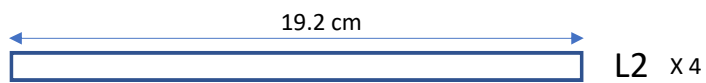
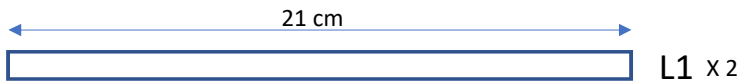
# Workflow





2 mm board

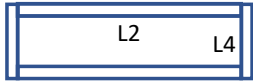
9 mm square section wood stick



# Assembly Steps

## Step 1

Use L2 and L4 to build 2 rectangular frames



## Step 2

Use one frame of Step1 and glue part B on it



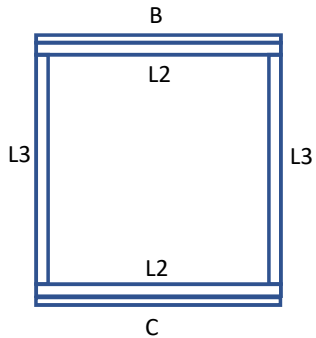
## Step 3

Use one frame of Step1 and glue part C on it



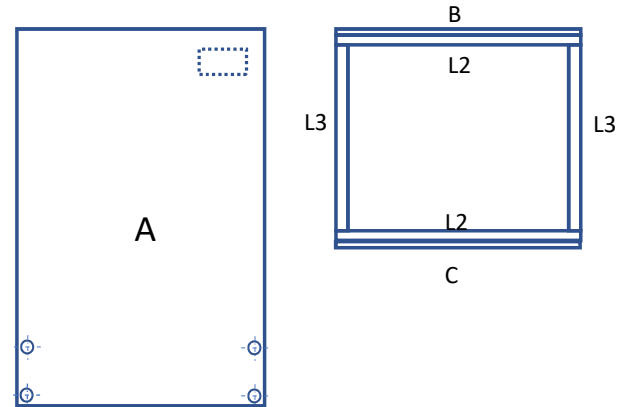
## Step 4

Use parts in both Step2 and Step3 and assemble them with the four L3 parts



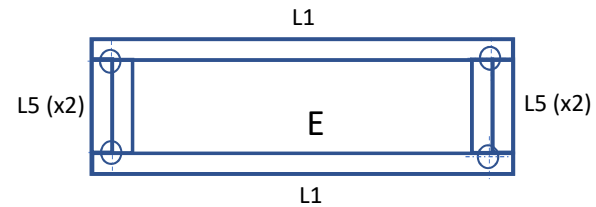
## Step 5

Assemble the part created in previous Step (4) and glue it with part A.



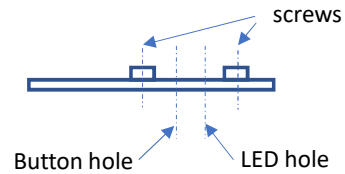
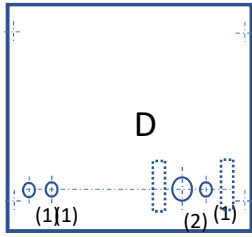
## Step 6

Assemble the remaining parts (E L1 L5) to build the rear fixing system platform. Once everything is glued drill the 4 holes for the 5mm screws.



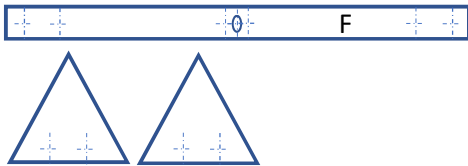
## Step 7

On the rear of the cover plate fix 2 L4 on both sides of the button hole. Then remove the head of 2 screws and fix them inside L4 wood stick. Drill the four 2mm holes for the fixation screws. Drill the three 5 mm holes for the LED. In that case hole will have to be bigger. Drill the 10 mm hole for the push button



## Step 8

For the wood stick that handle the flags use the part F and 2 isosceles triangles



For part F:

Drill the six 2 mm holes for the fixing screws.

Drill one 5mm hole at the middle to be able accessing the servomotor fixation part.

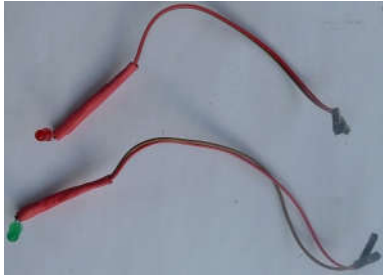
For both Flags:

cut it within colored cardboard (you can do some painting instead). It is an isosceles triangle of 8 cm side.

Drill the two 2 mm holes (7.5mm from the side)

## Mounting details

### LEDs



The 220 Resistor and the wires are directly soldered to the LED.

Some thermo retractable sleeve protect everything.

### Button board



The satellite board with the push button is directly fixed on the front cover plate



### Flags



The flags are fixed on the matt.  
The part to attach to the servomotor is fixed with screws (2mm).

If the 2 moving parts are touching together you can adjust the length of the screws



### Rear plate



The rear plate with the four screws (5mm)



The other side with the strong magnet.

### Back side



A back side view with the servomotor fixed.

### Front side



Almost ready to start.