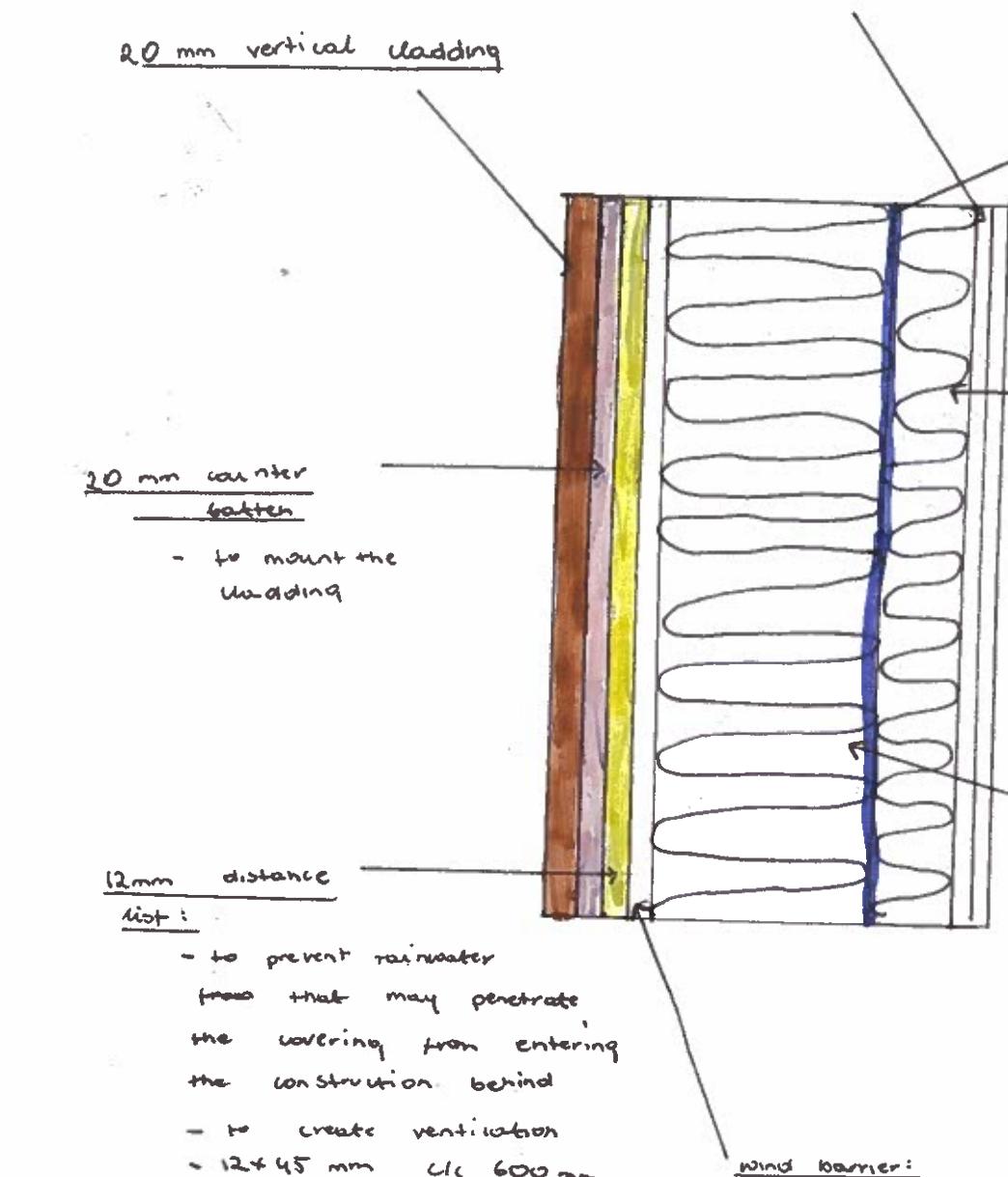


## Analyse of each layer of the construction



13 mm gypsum board

2 panels layers with staggered points in order to establish increased strength and sound insulation, and also to make it easier for fix furniture - plywood is hidden behind the gypsum - less risk of destroying the insulation.

DPM:

- against moisture
- is placed internally -  $\frac{1}{3}$  of thickness of the wall

45 mm insulation / stud:

- size  $45 \times 45$  U/c 600 with insulation in between
- gives opportunity to mount internal cladding
- 

250 mm insulation:

- to keep the good  $R$ -value of the wall
- increased sound
- keep the heat
- give strength for construction
- steel frame

wind barrier:

To prevent the wind from blowing through the insulation, in a construction without wind barrier even a small error in the adaption of the insulation may result in a considerable reduction of insulation effect.