

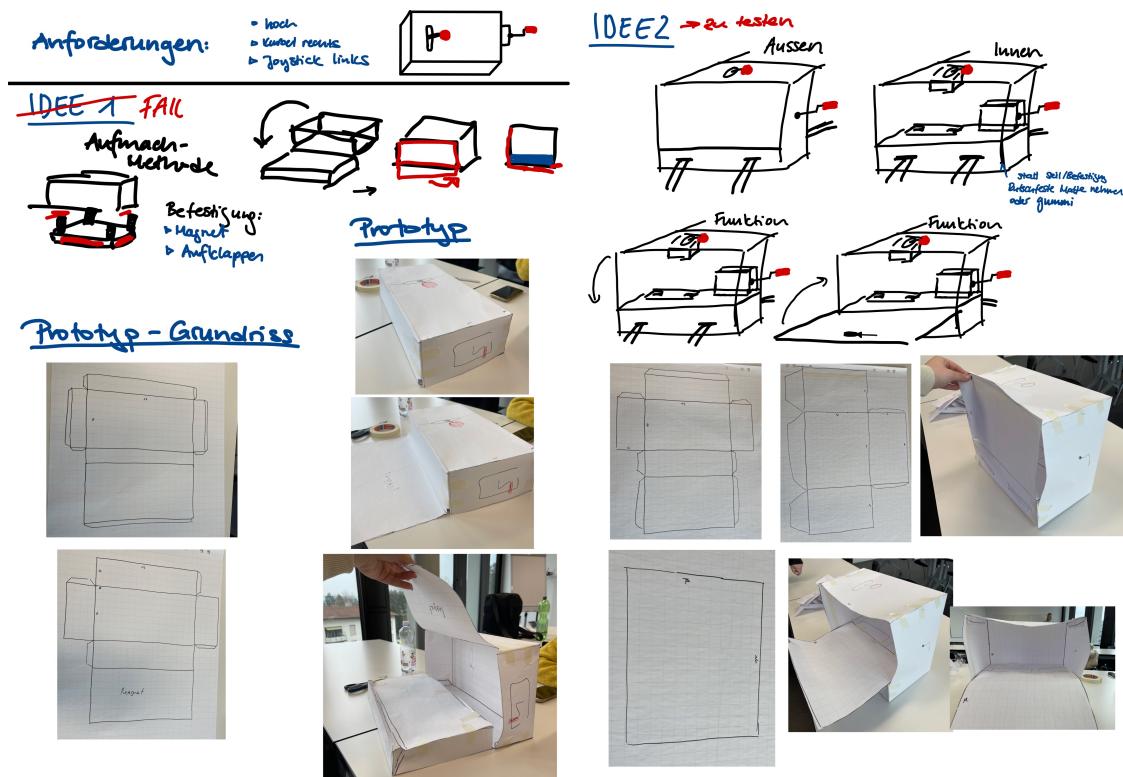
Holzbox

Um die Tragbarkeit der Hardware zu maximieren, wird eine Holzbox mit den folgenden Anforderungen zusammengestellt:

Anforderungen

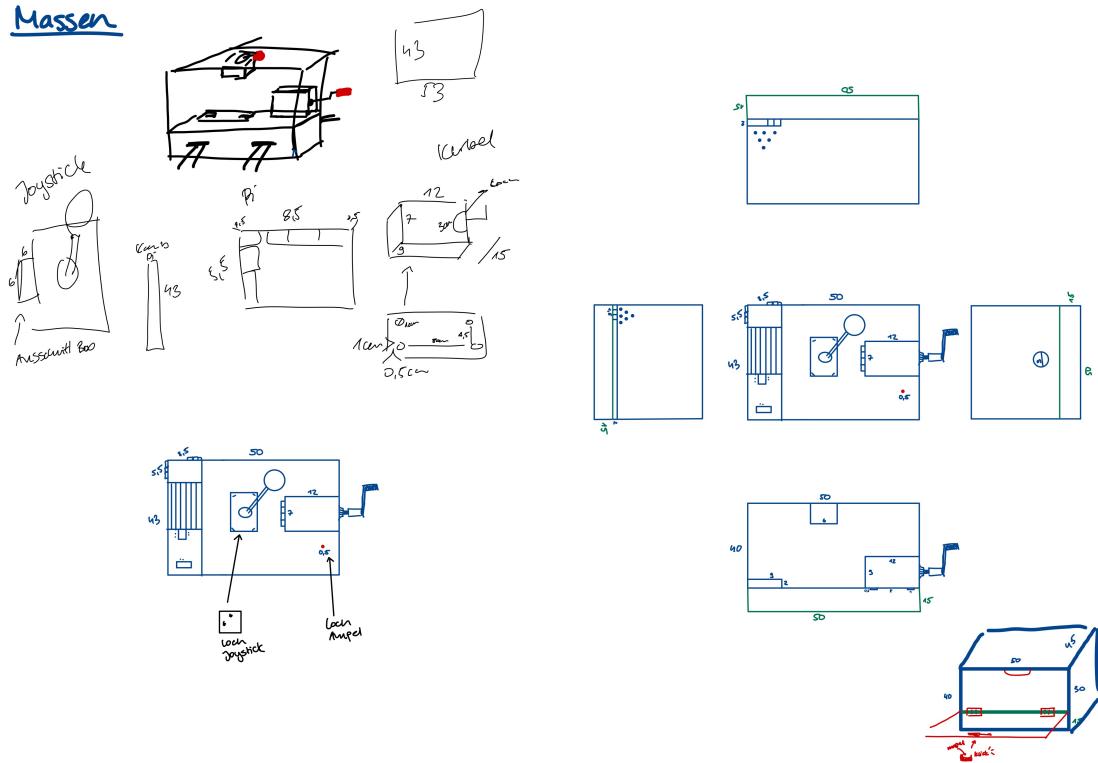
- Die Holzbox muss eine angenehme Grösse haben.
- Die Holzbox muss eine genügende Höhe haben, damit die Kurbel bedient werden kann.
- Die Kurbel muss sich Rechts befinden.
- Der Raspberry-Pi muss sich Links befinden.
- Für den Raspberry-Pi-Anschlüsse muss eine Öffnung gemacht werden.
- Der Joystick wird oben platziert.
- Die Holzbox muss eine Öffnung/Klappe haben, welcher ermöglicht bequem Änderungen zu verwirklichen.
- Die Öffnung muss genug gross sein.
- Die Holzbox soll schwer genug sein, damit diese auf dem Tisch nicht rutscht.
- Die Holzbox muss kleine Öffnungen aufgrund der Erhitzung haben.

Ideen:



Weiterführung Idee 2:

Massen

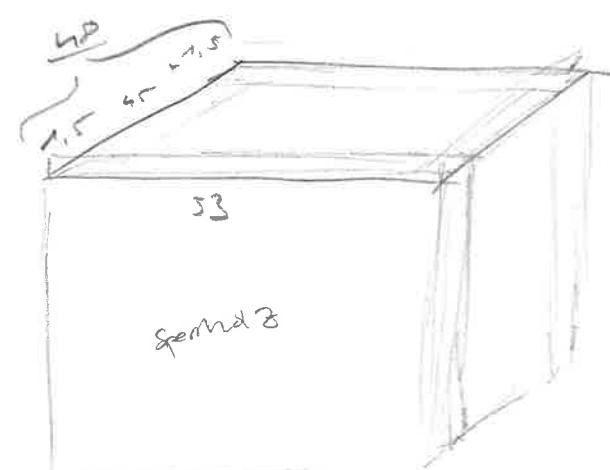
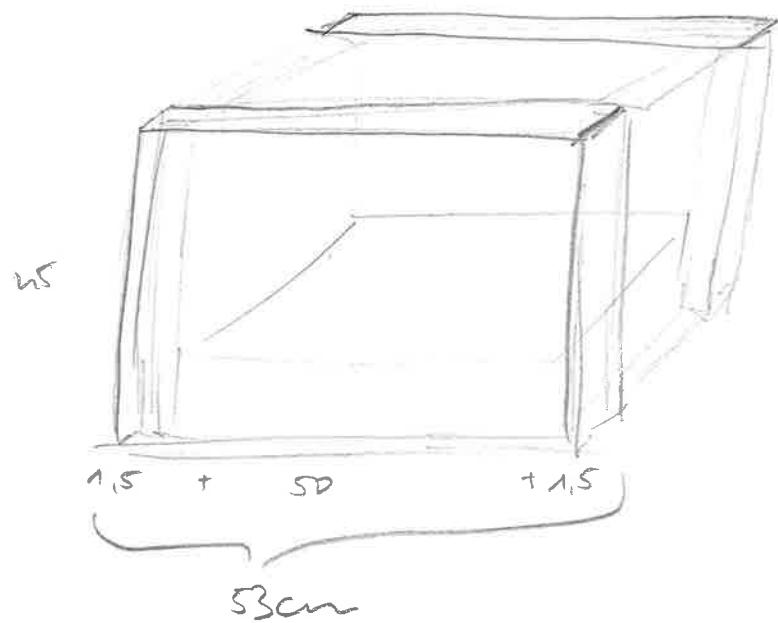
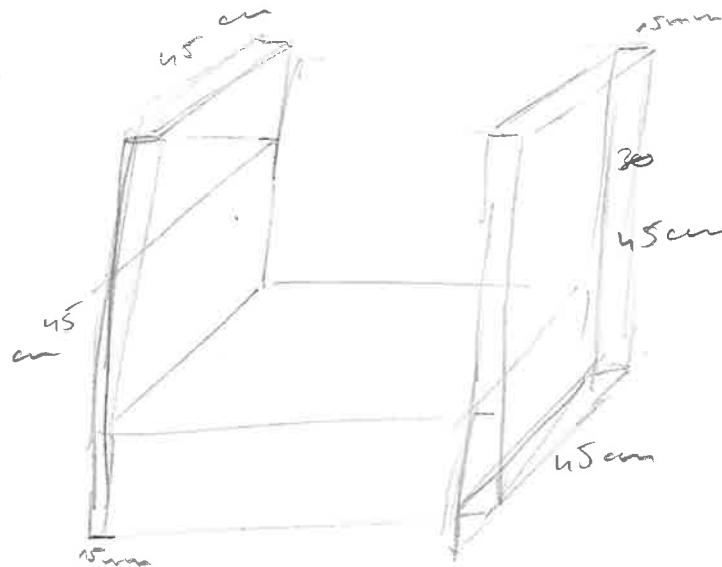
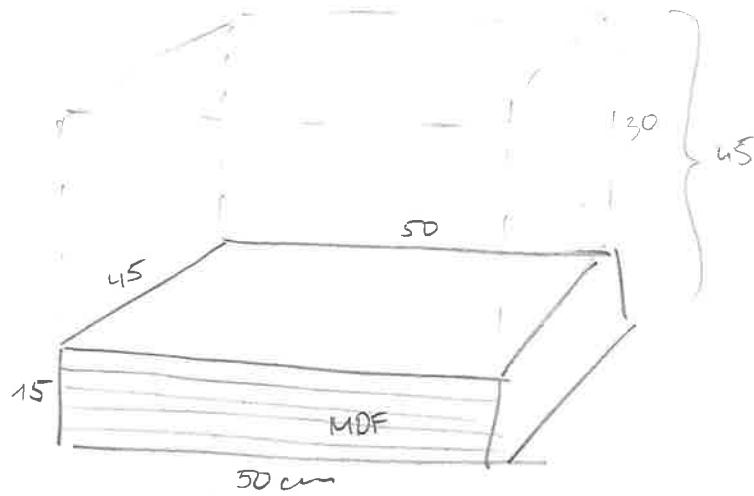


Erste Version der Idee 2 im Autodesk Fusion 360:

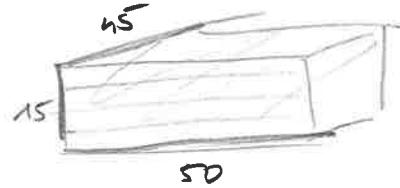




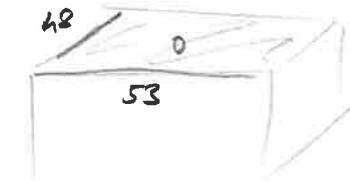
Massen vom Hardware in mm und/oder cm:



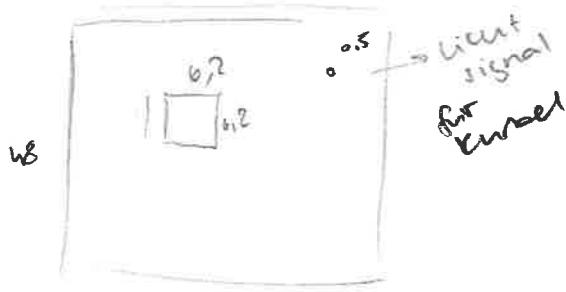
Boden (MDF)



Dedcel / oben



(Sperrholz 8-10mm)

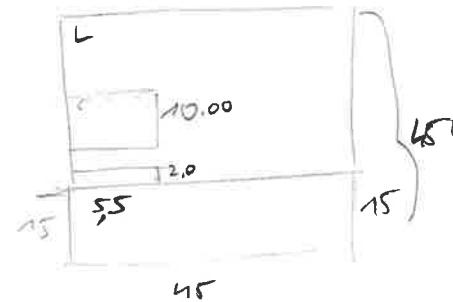
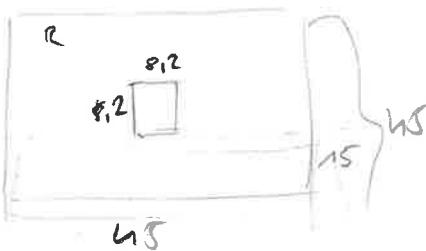


1x 48x 53
cm
(Sperrholz 8-10mm
oder dünner)

* Seiterwände



(Sperrholz 15mm)



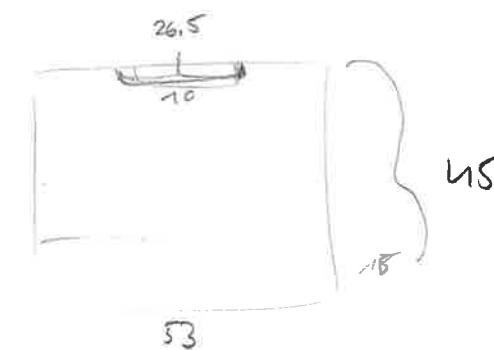
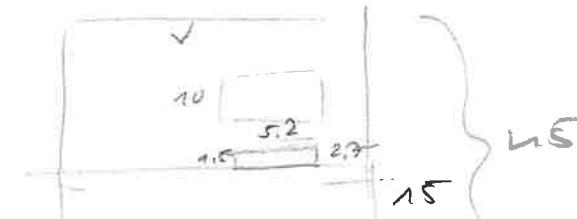
Sperrholz 15mm
2x 45x45
cm

MDF 15cm
+ Boden 45x50 x 15
cm

Vorder-/Rückwand

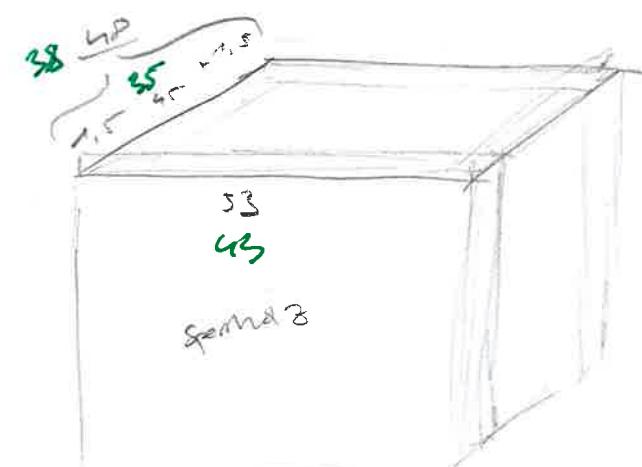
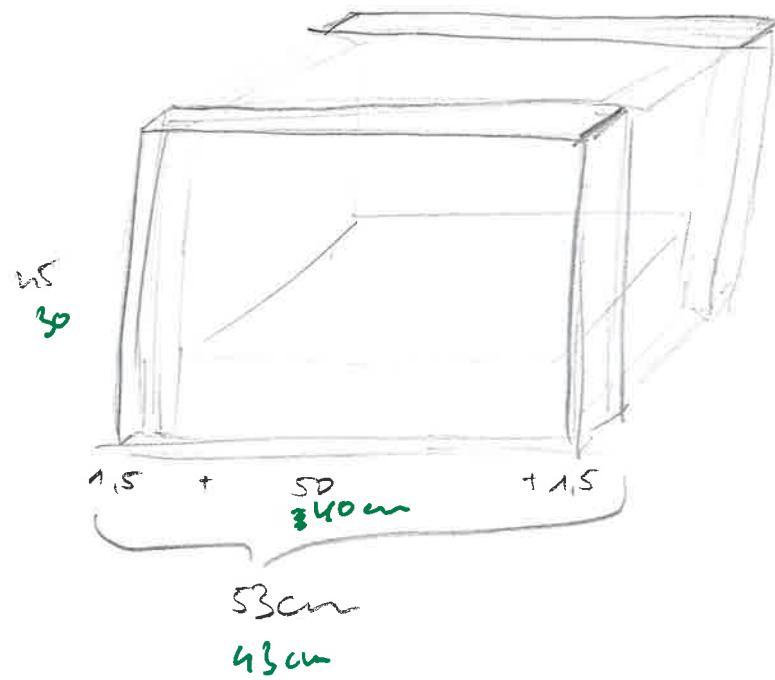
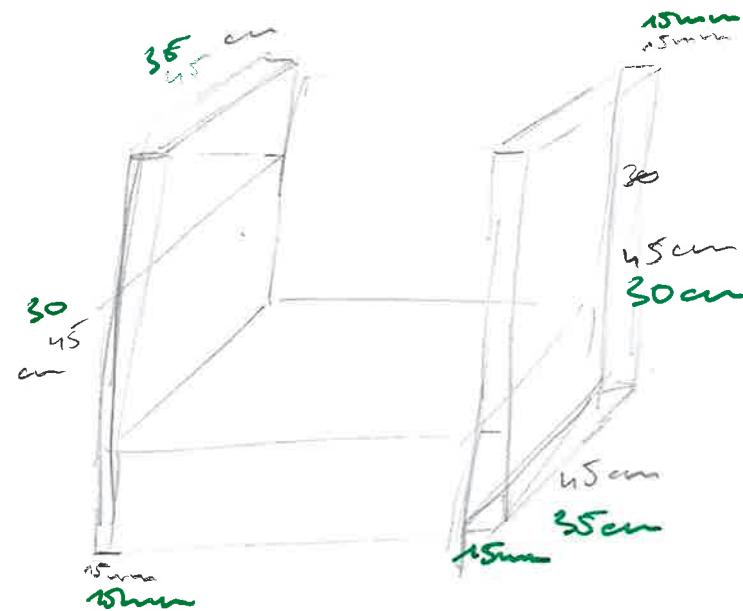
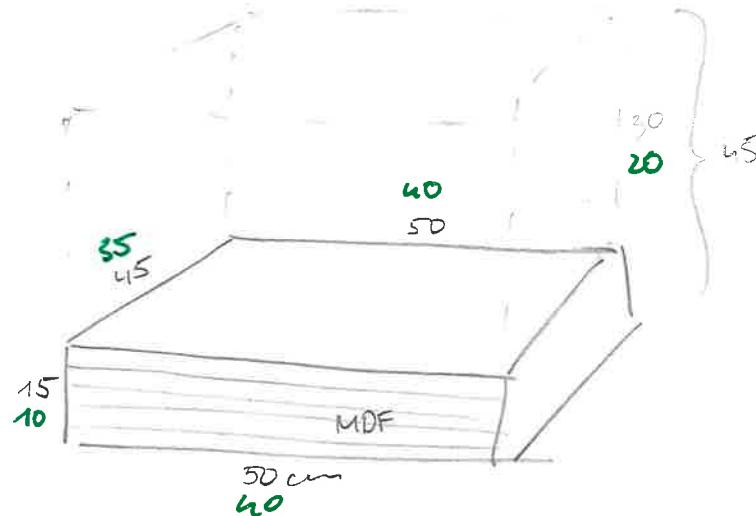


(Sperrholz 15mm)

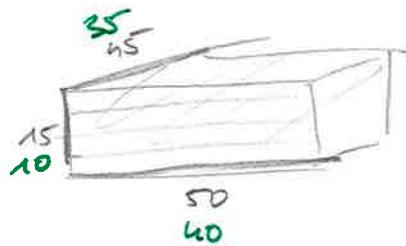


Sperrholz 15mm
2x 45x53
cm

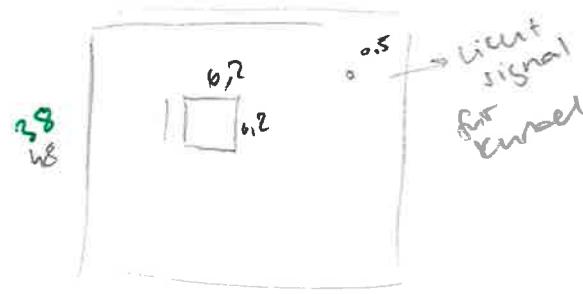
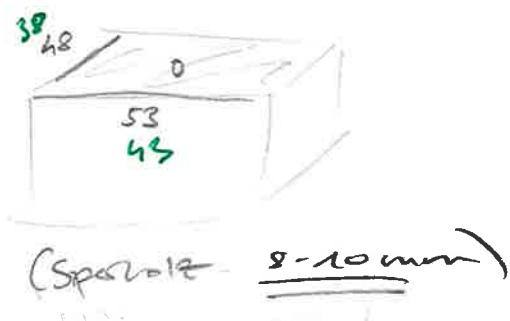
Neue Maske



Boden (MDF)

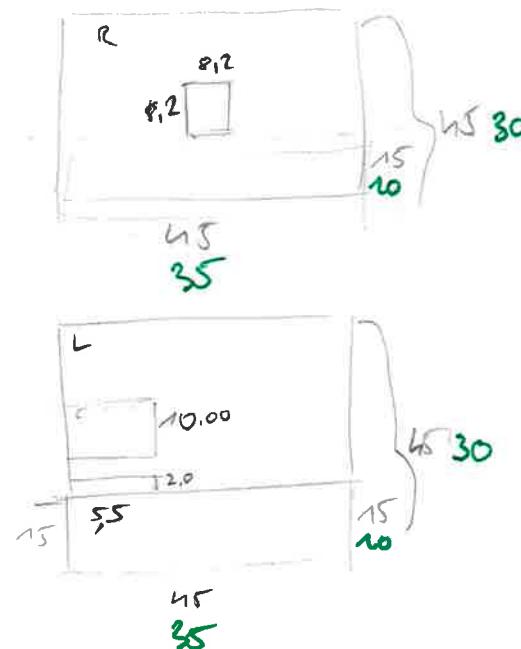
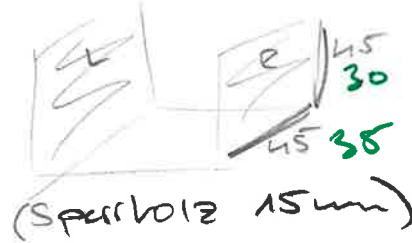


Dedcel / oben



53 43
(Screw hole 8-10 mm
oder
dünner)
1x 48 x 53
cm
38 x 43

Seitenwände

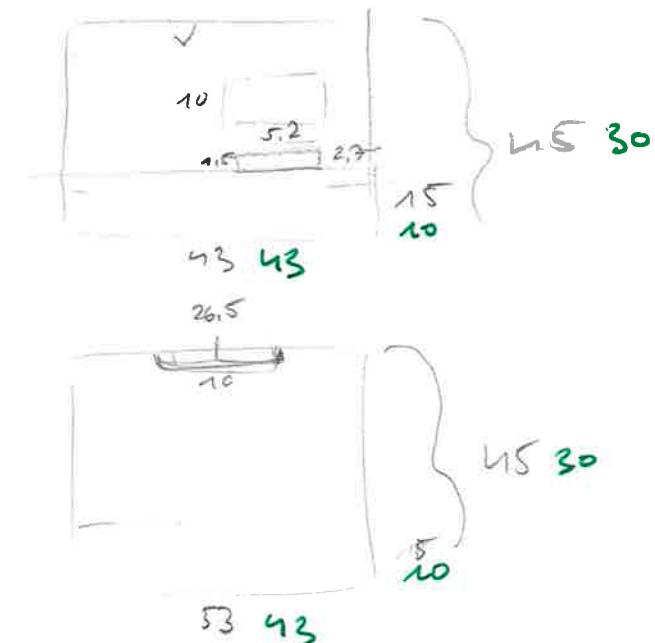
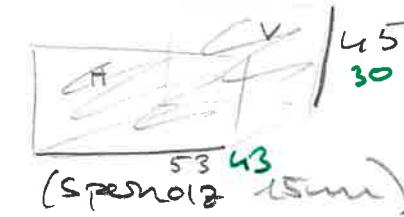


Screw hole 15 mm
2x 45 x 45
cm

MDF 15 cm
60 x 35
45 x 50 x 15
cm

+ Boden

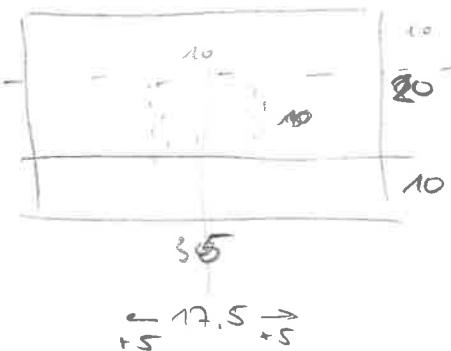
Vorder-/Rückwand



Screw hole 15 mm
2x 30 x 43
cm

Seitenwände

R



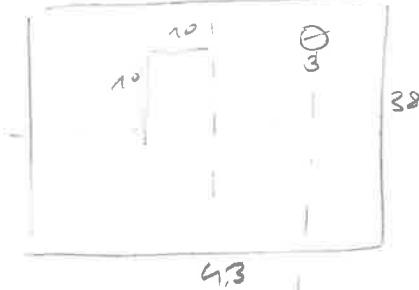
Vorder-/Rückwand

✓

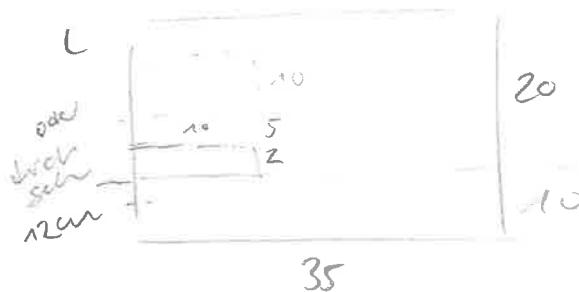


Dach

$21,5 \frac{+5}{-10}$

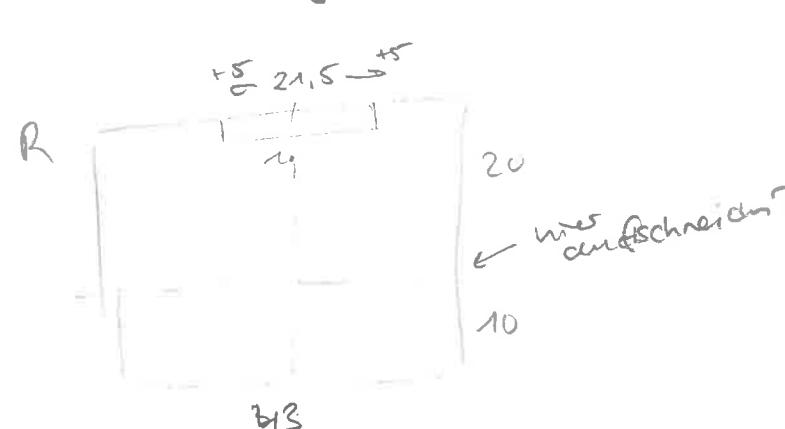


L



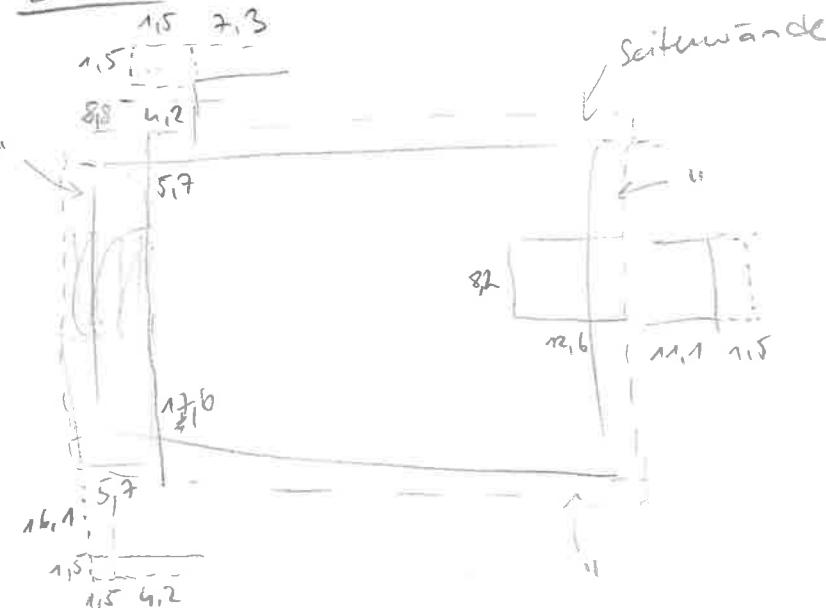
R

$\frac{+5}{-5} 21,5 \frac{+5}{-10}$

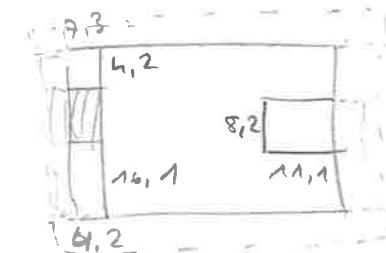


Boden

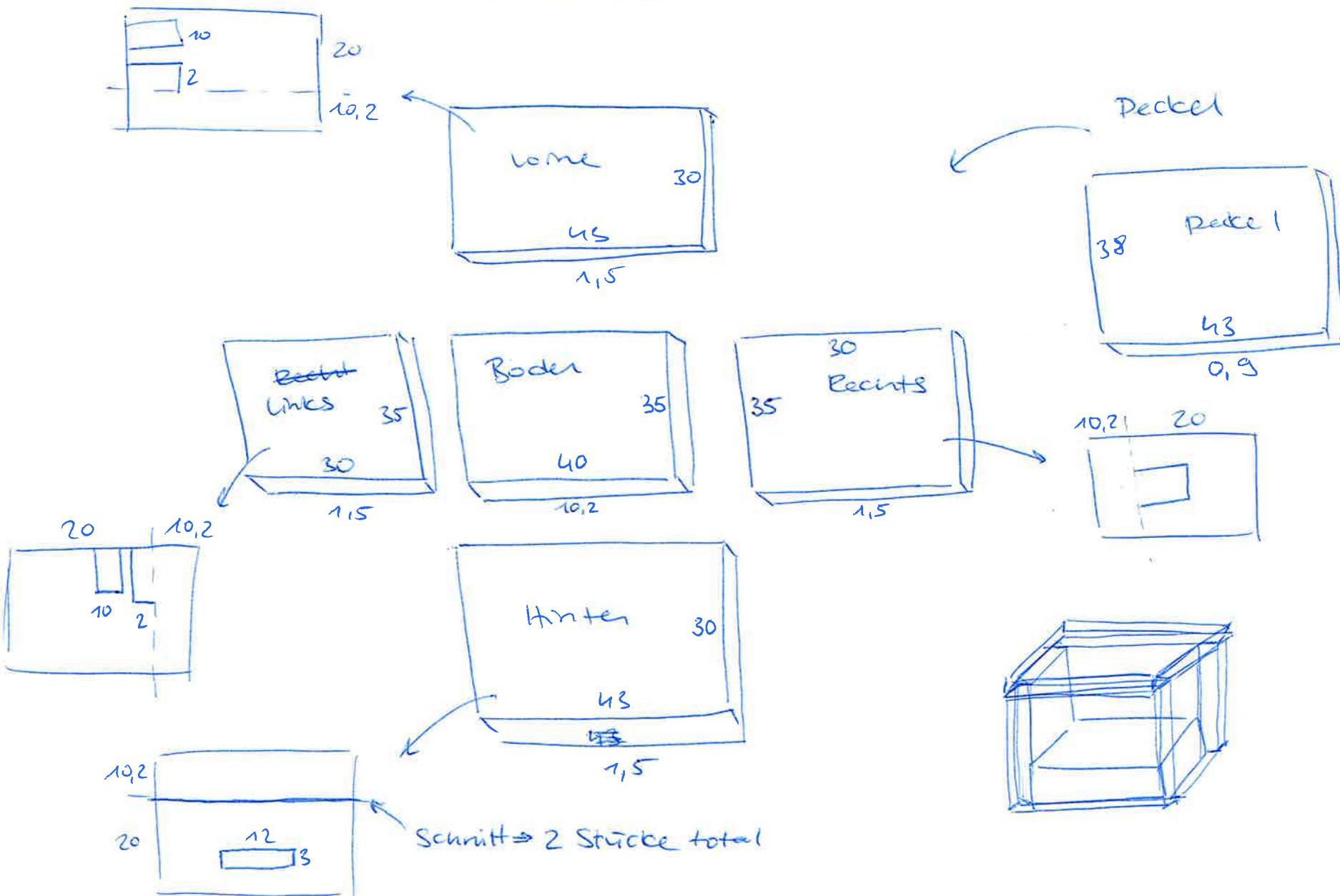
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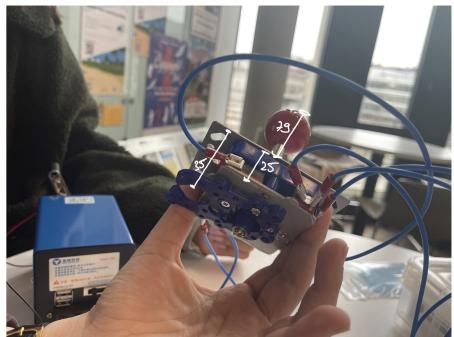
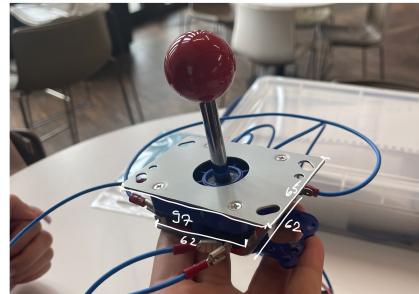


Seitenwände



Zusammenbau





Rücksprache mit Primeo:

- Keine Öffnung nötig - kann zugeschraubt werden
- Raspberry-Pi soll mittig platziert werden