

Luggage for urban middle class family

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Design Brief

- To design a hard luggage for urban middle class family
- Size of the luggage is 29"
- It should make the process of packing and accessing packed items easy
- Should be able to use the luggage for short and long trips (1-2 days/ 6-7 days)

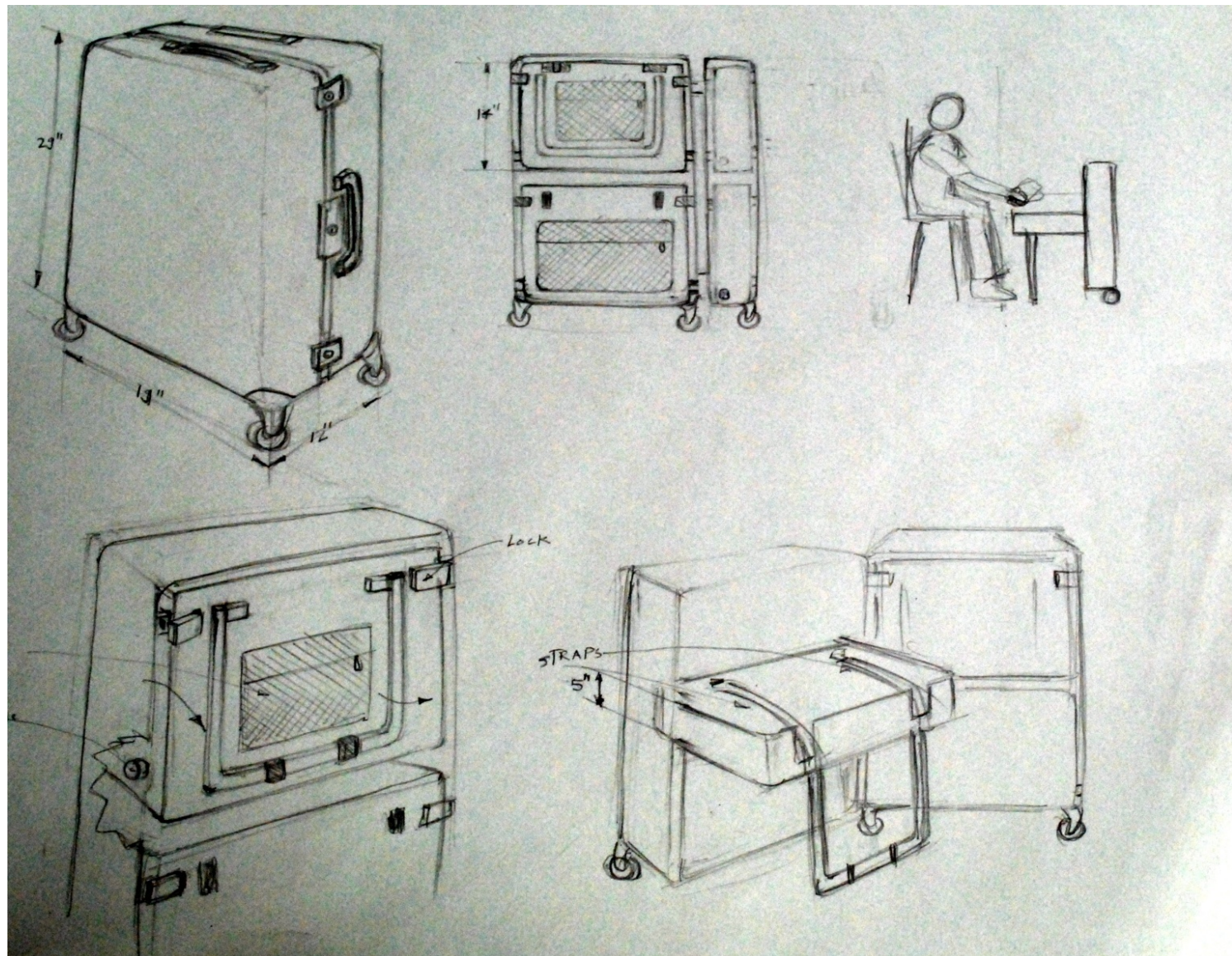
Observations while packing



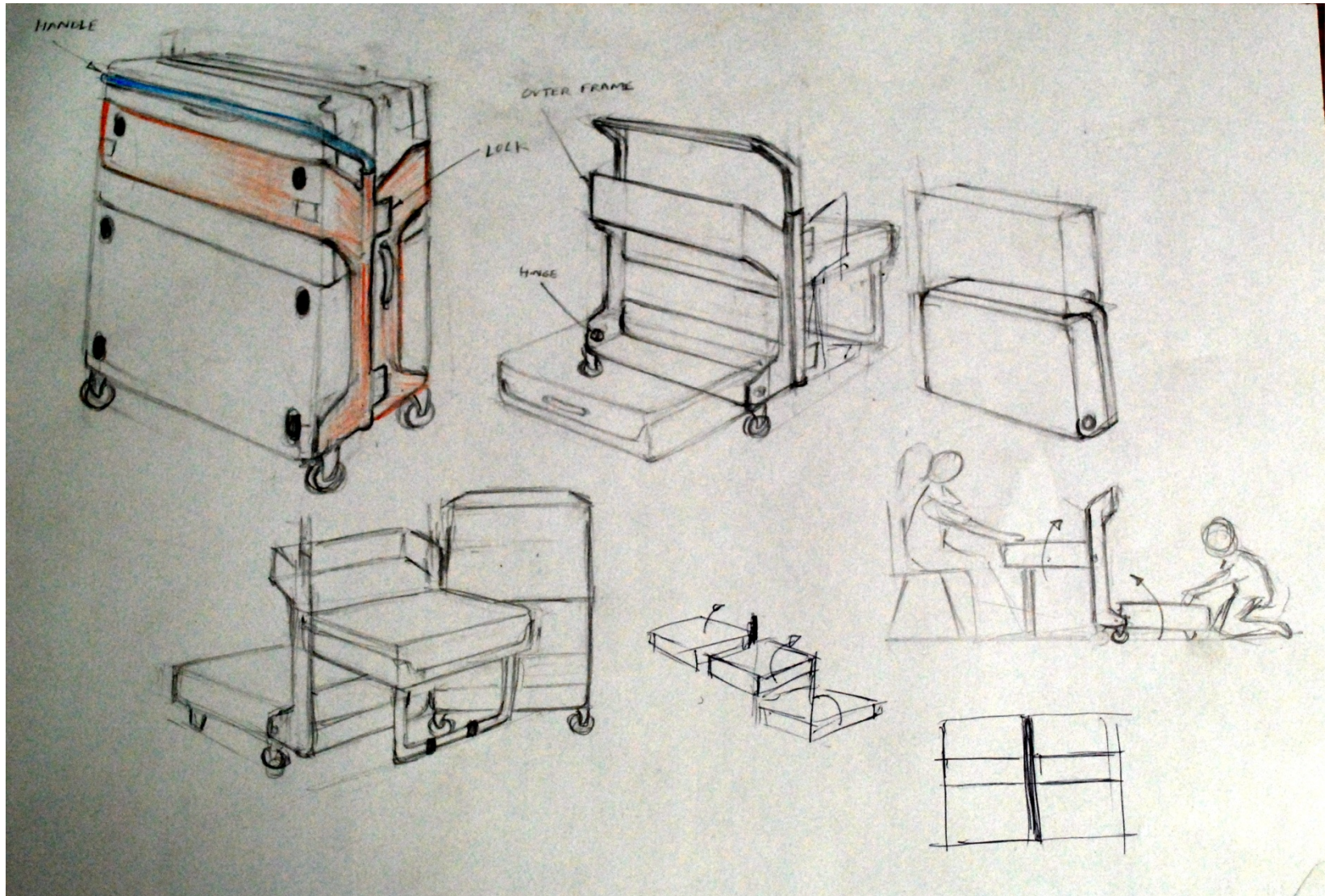
Organizing and Space saving



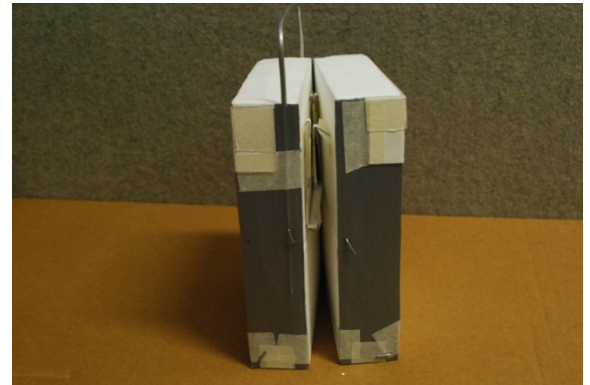
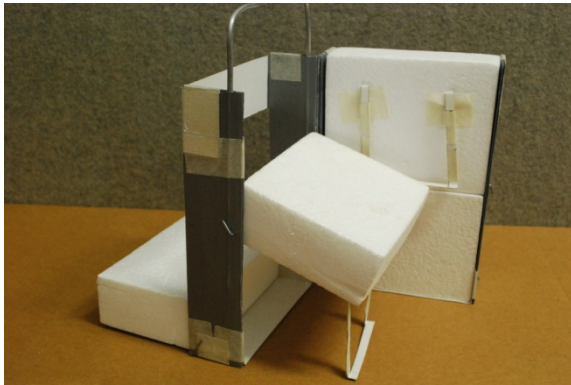
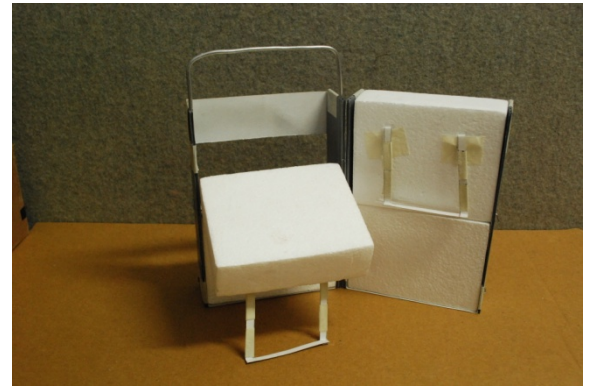
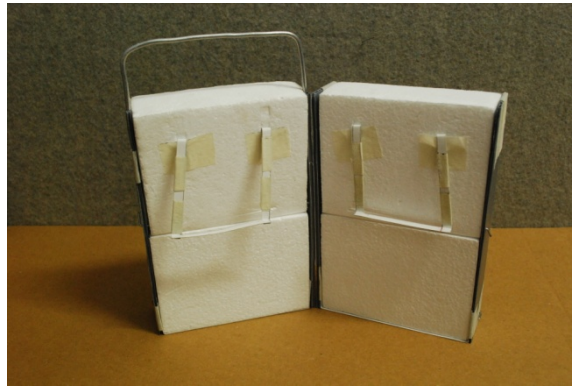
Idea 2



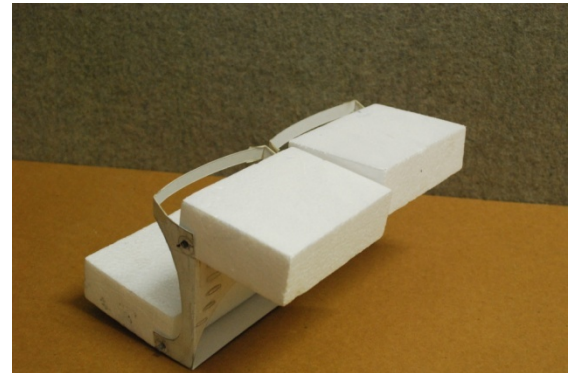
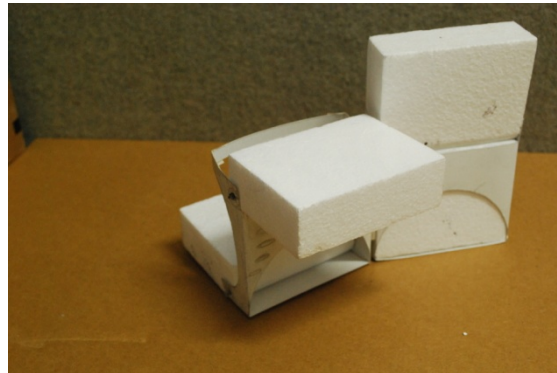
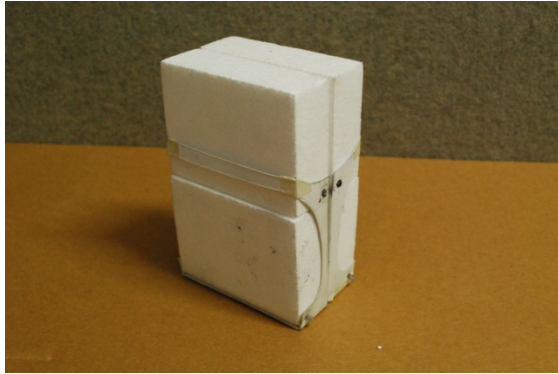
Idea 3



Tryout 1 (scale 1:4)



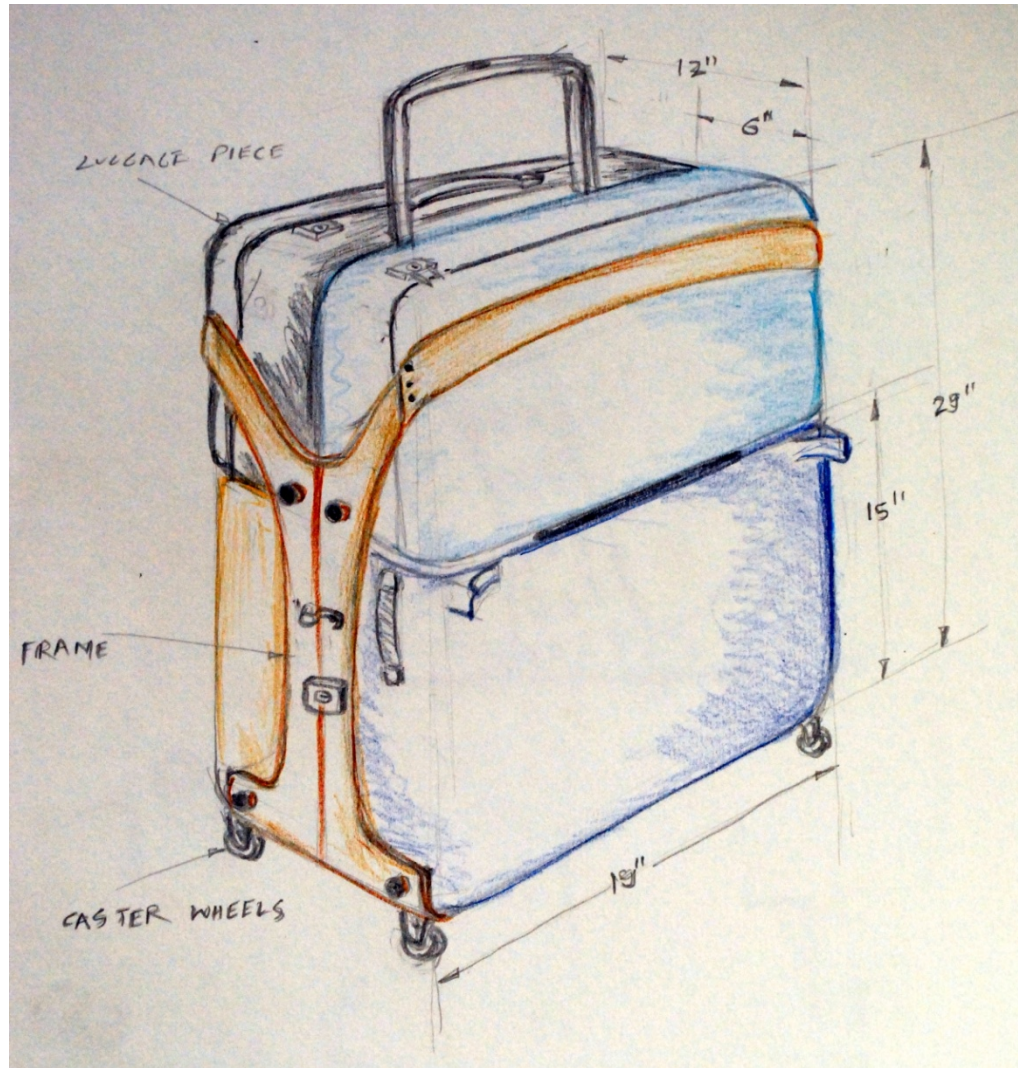
Tryout (scale 1:5)



Tryouts (scale 1:1)



Final Concept



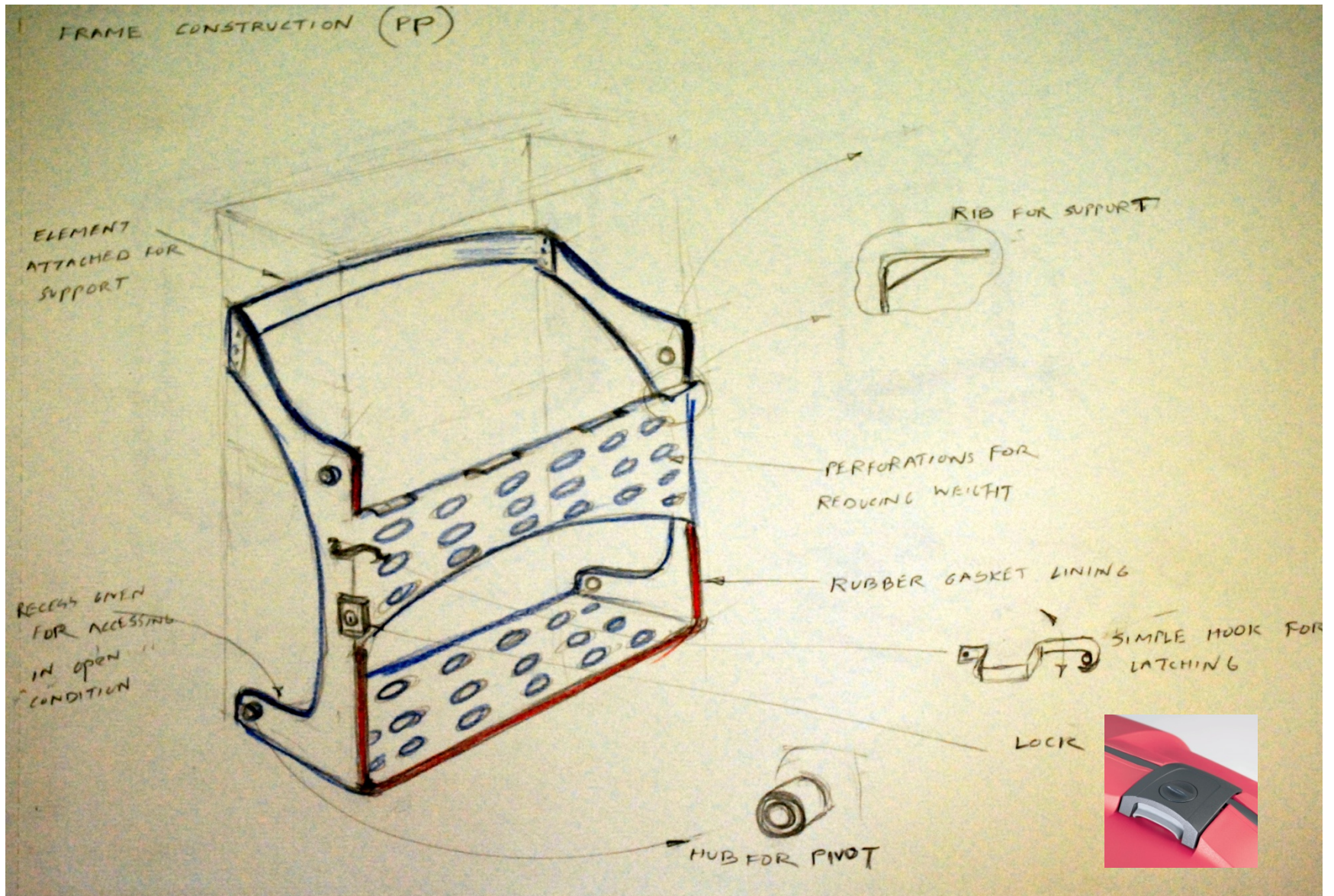
Features

- Upright 4 wheels spinner luggage
- Modular luggage with 4 compartments
- Simultaneous packing possible for more than two people
- Upper compartments can be accessed very conveniently
- One compartment can be removed and used for shorter travels

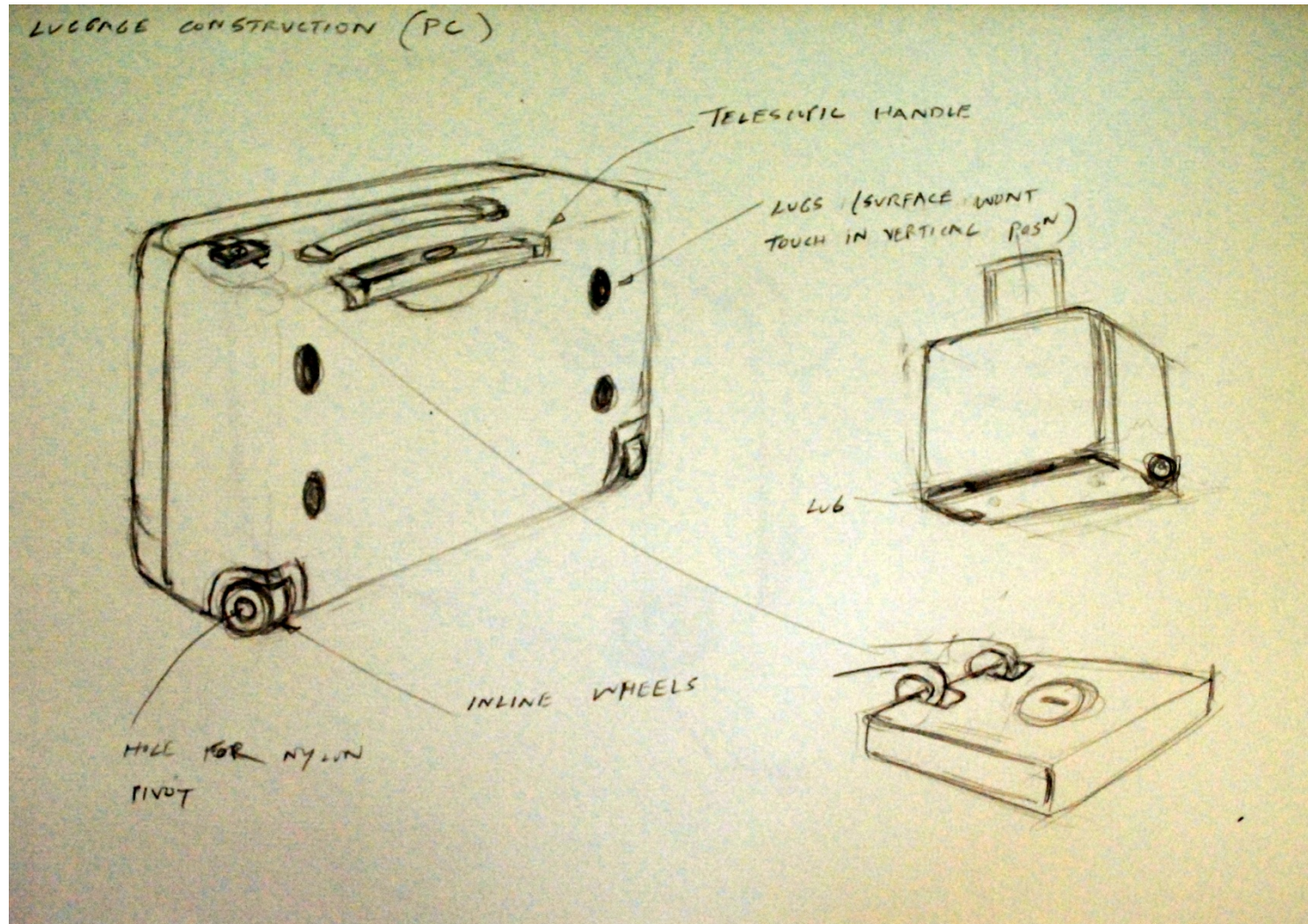
Materials and Manufacturing process

Component	Material	Mfg Process
Frame	PP	Injection Moulding
Luggage	PC	Vacuum forming
Pivot	Nylon	Injection Moulding

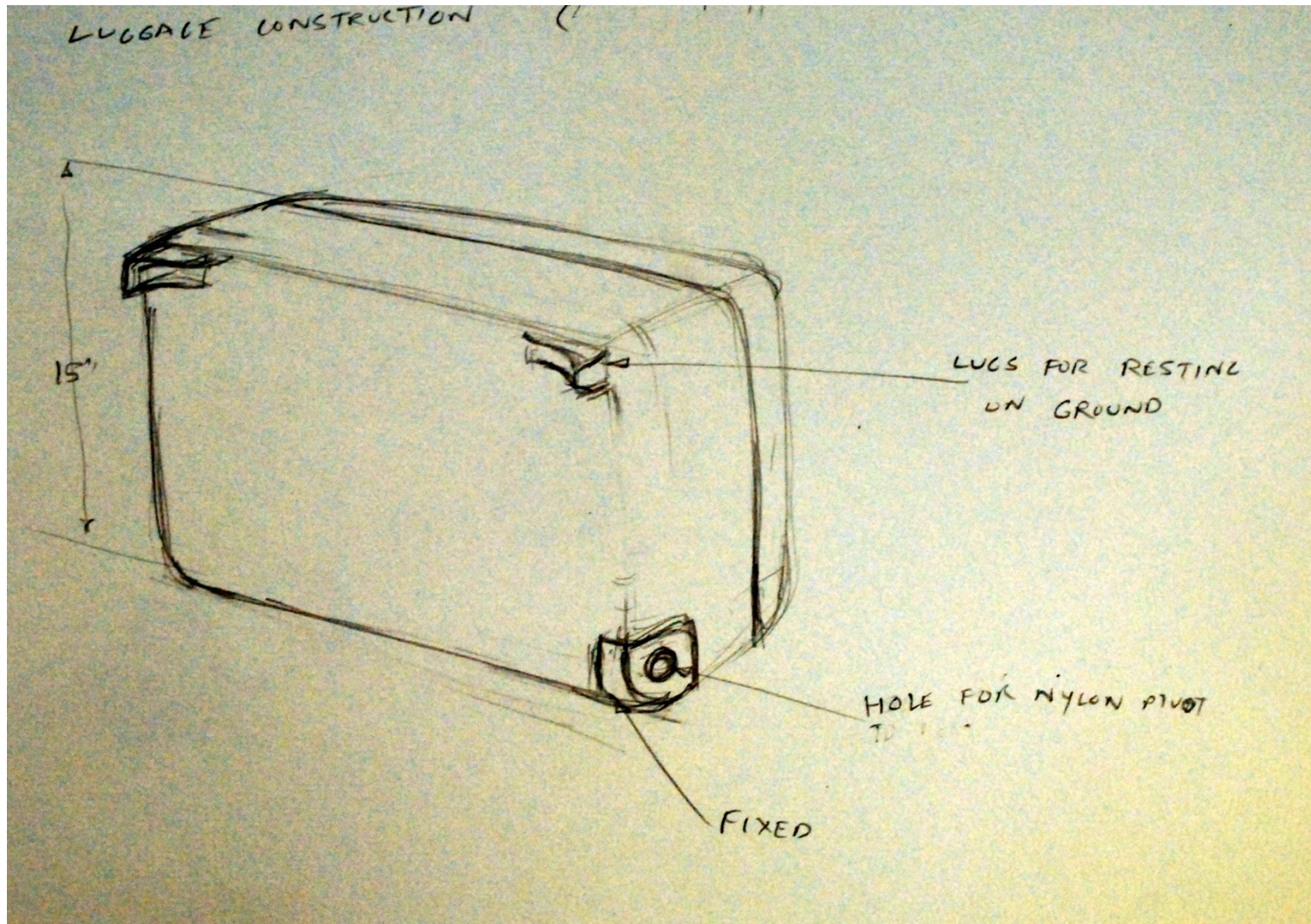
Frame construction



Luggage construction



Luggage construction



Ahead...

- Further form explorations
- Final scale model 1:3