

The Concept

„The best way to predict your
future is to create it.”

Emma Kierulff & Celina Madsen

Brain Storming

Main Inspiration:

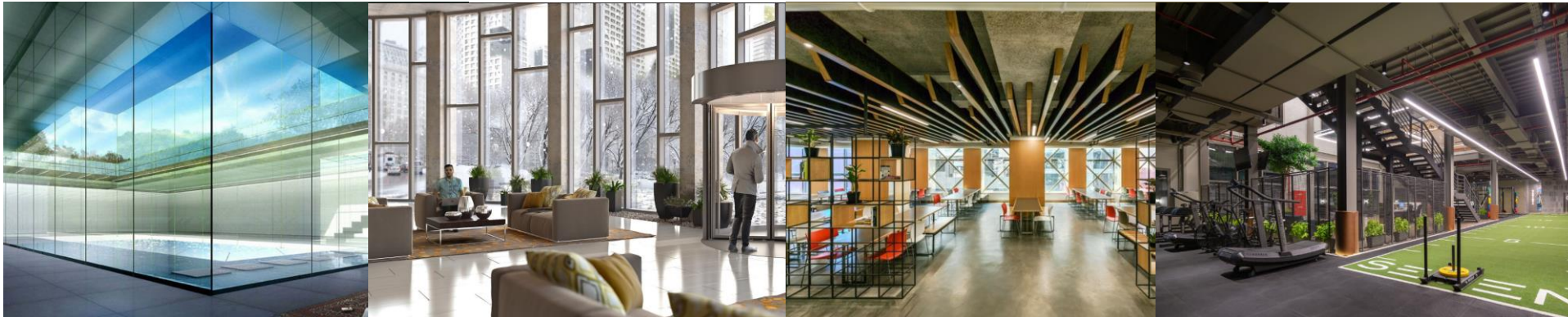
Woodhub, Government Office House
Odense, Copenhagen - Denmark →

Main Ideas

- Open space
- Lots of light
- Gives a welcoming feeling



Inside

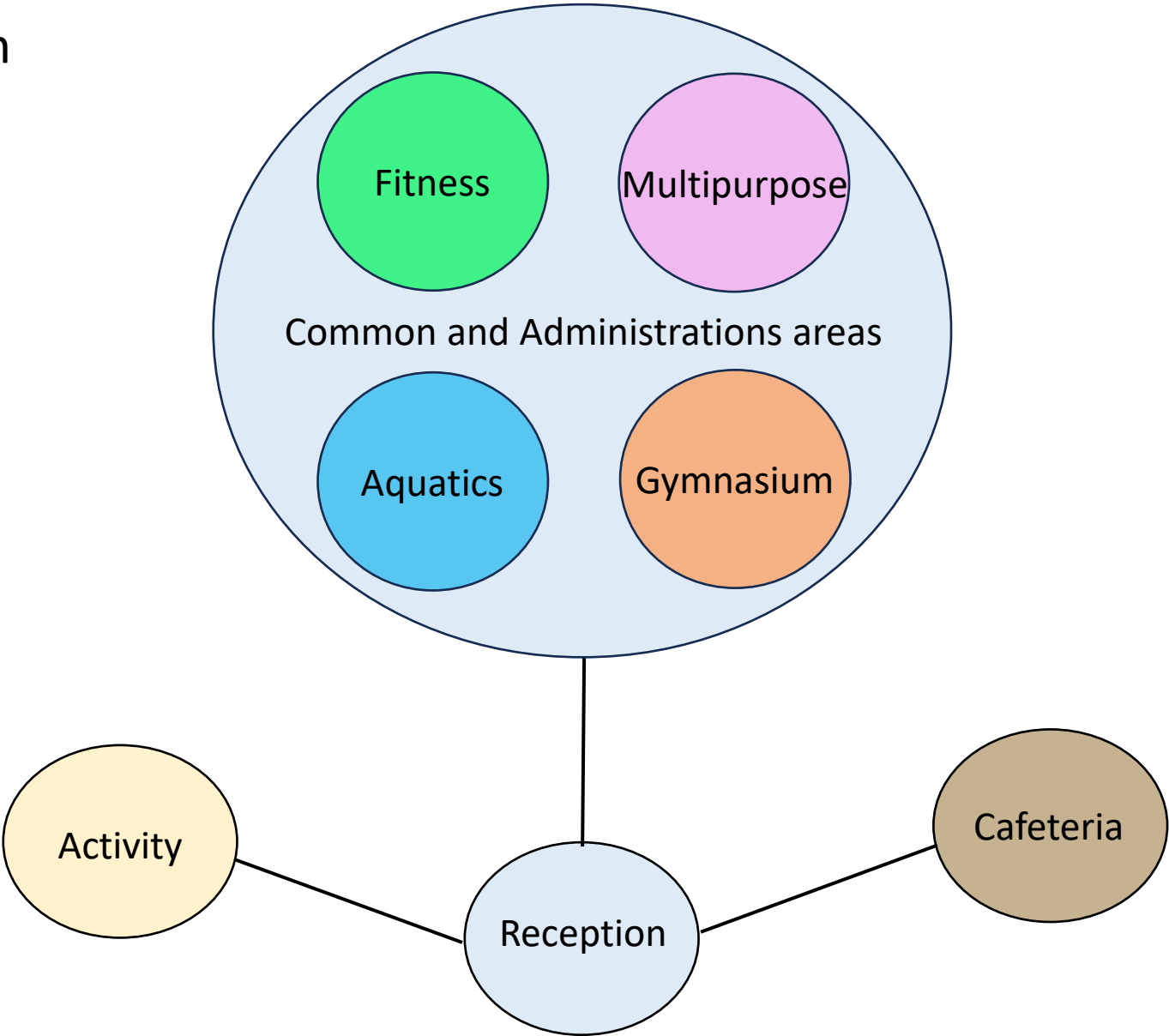


Outside



Community Engagement

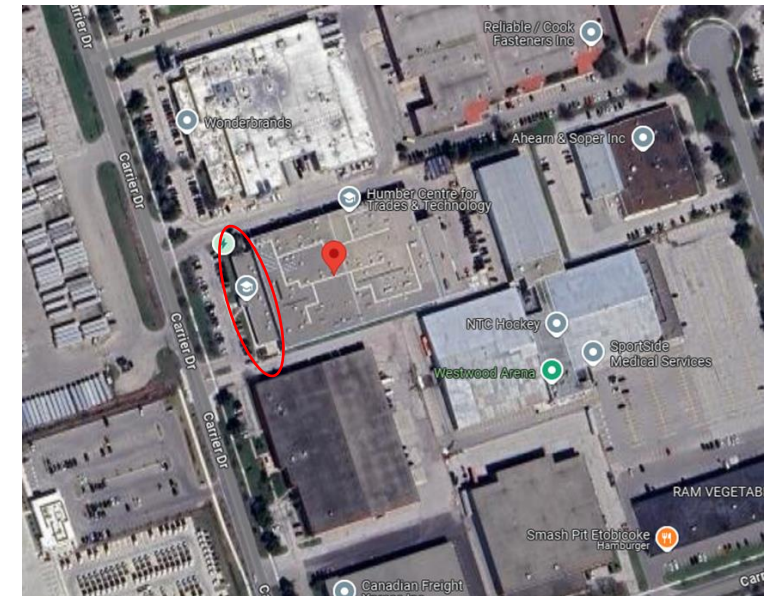
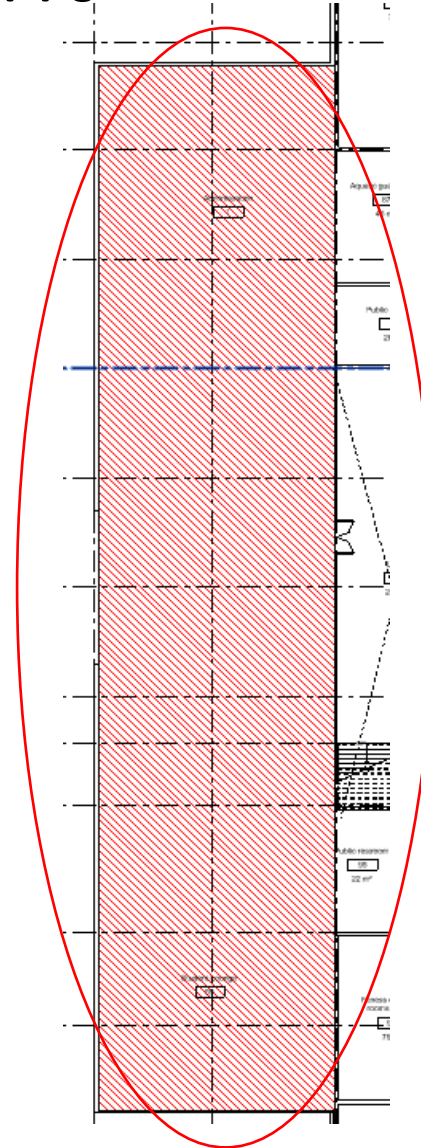
Room-Diagram



Community Engagement



Adding public seating at the front entrance to make space for waiting for family, studying or hanging out. From the entrance there will be a direct view into the pool area. On the 2nd floor there will be a cafe with seating and a viewing area of the pool.



Tearing down the existing entrance, to make a more welcoming reception

Front of building

Existing



Future



Front of building

Existing



Future



Ideas for Sustainability

Reuseable Bricks



Clayboard



- Renewable Bricks for the building envelope
- Light red/yellow colors or grey tones

- 100% Reuseable
- Doesn't contain chemicals

Green Roof



- Collects rainwater
- The vegetation mats protect the underlying roofing material from sun and even our the temperature and moisture conditions

Sustainability

LAR- local drainage of rainwater



- Multi purpose active area with water storage during storms

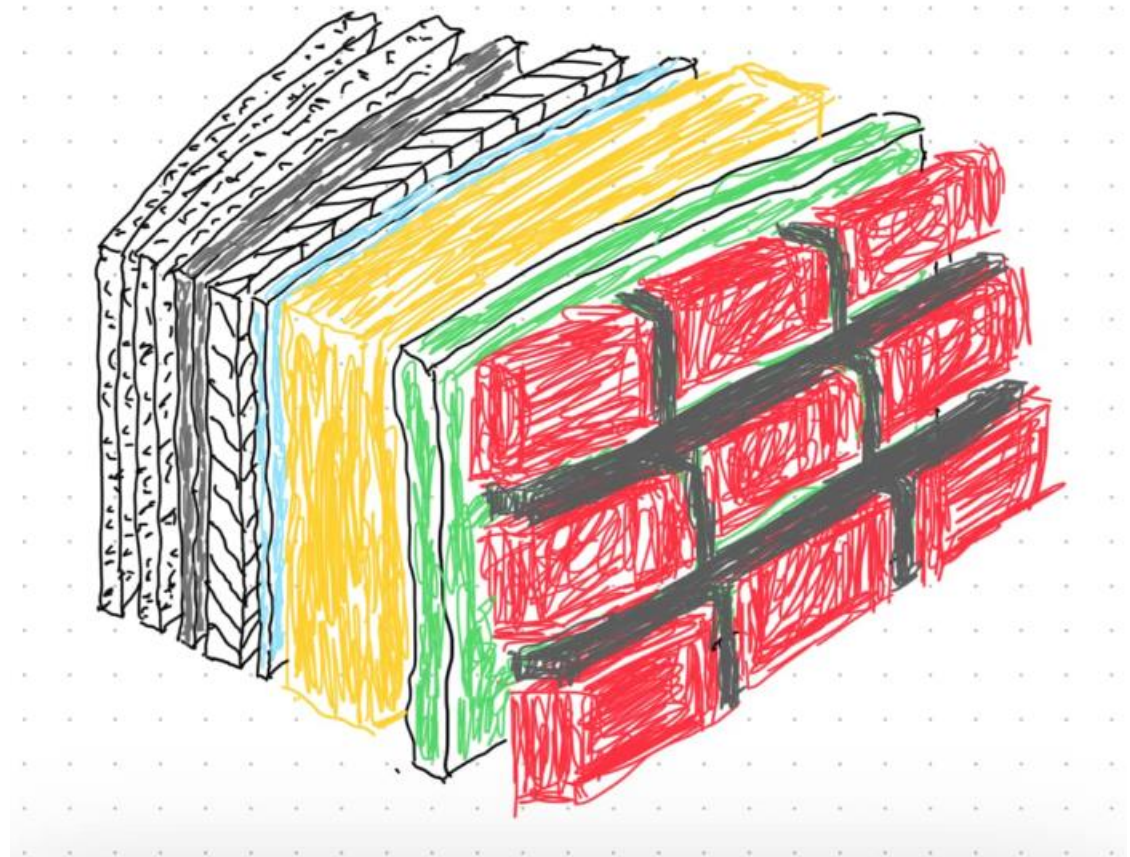
Material selection



- Reused or biodegradable materials in as big an extent as possible
- High life expectancy

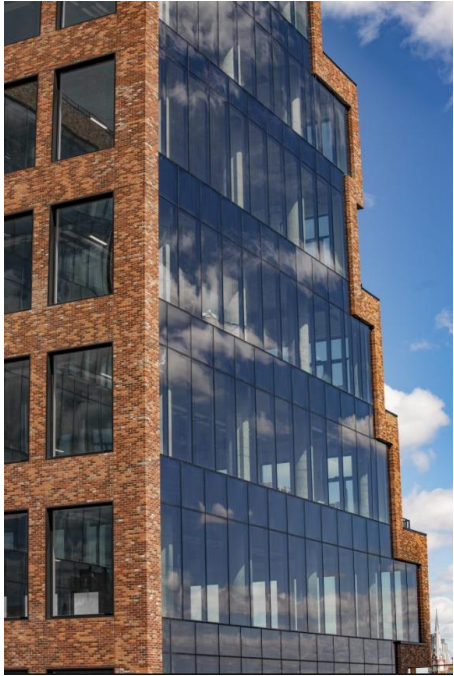
The Perfect Wall

- Brick
- Drained Cavity
- Rigid Insulation
- Vapor Barrier
- Concrete
- Furring
- Gypsum Wall Board



Enclosure Design

Dobbeltfacade Curtain Wall



- Effective Sound insulation
- Reduces the heat transmission in the winter
- Protects against weather influences
- Makes it possible to have neutral ventilation
- Sound Dampening
- Almost maintenance free
- Can absorb and release heat
- Can absorb and release moisture without being damaged
- Has a good fire resistance

Reusable brick



Reusable brick designs:



Recycled bricks, which originally had to be crushed, as they could not be separated due to the use of cement mortar. Instead, the brick carvings now decorate the facade

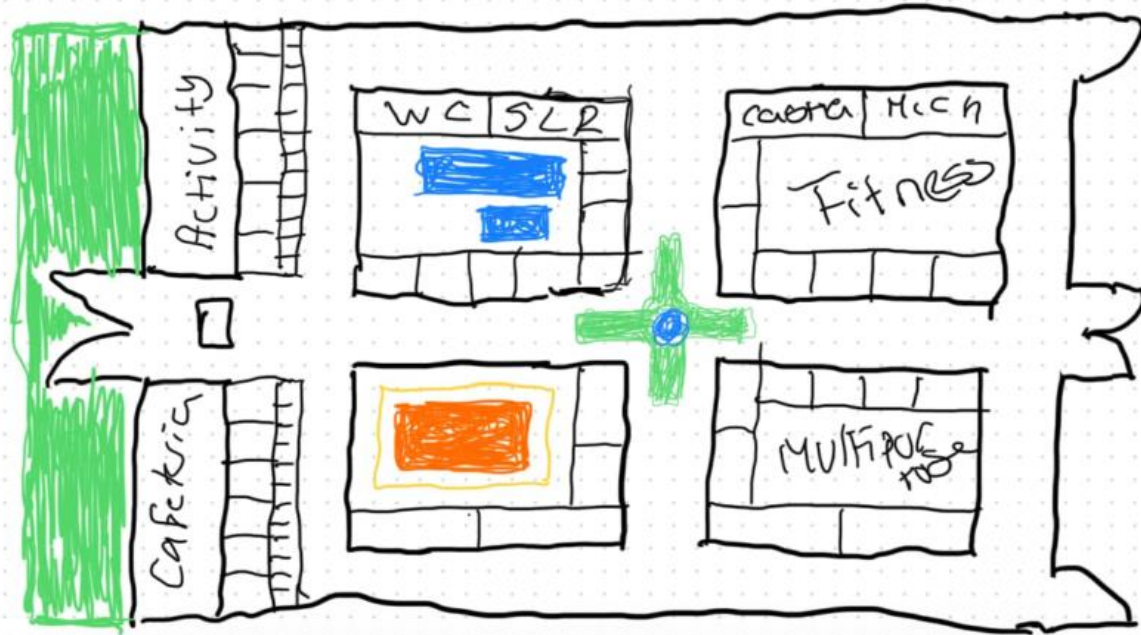


Reused cleaned brick.

*The brick have to be constructed with lime mortar. Lime mortar makes it possible to dissassemble the rocks after use.

Functional Flexibility

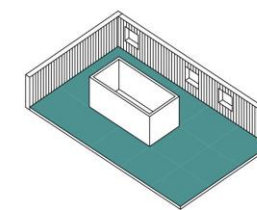
Floor plan (layout)



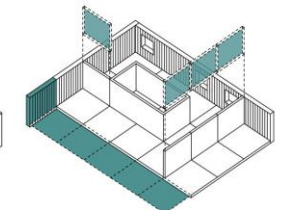
Bearing system consisting of pillars



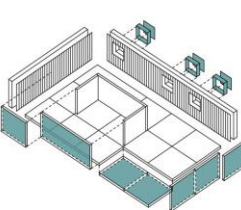
Design for dissassembly



Multifunctionality
No disassembly



Transformability
Partial disassembly & reuse



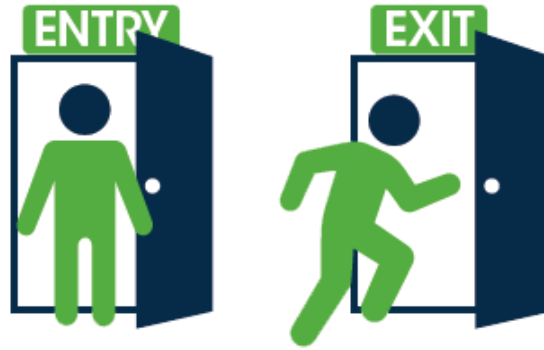
Demountability
Full disassembly & reuse

Figure 3.1: Multifunctionality, Transformability, Demountability illustrated

Safety



- Screens around the building with important and safety information
- Shows important dates and activities happening in the building
- Part of being an



- Extra emergency exits



- Sprinklers

