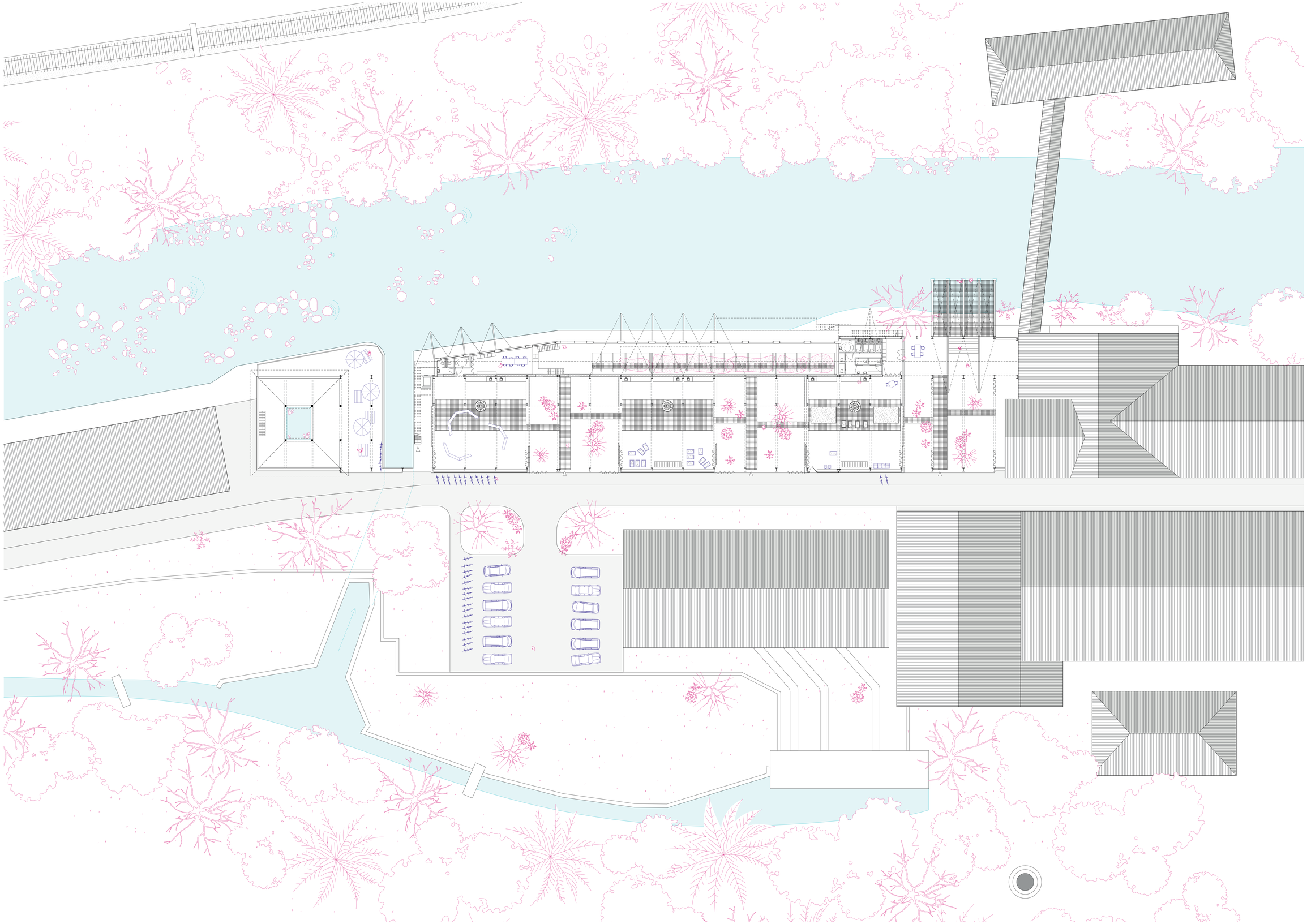
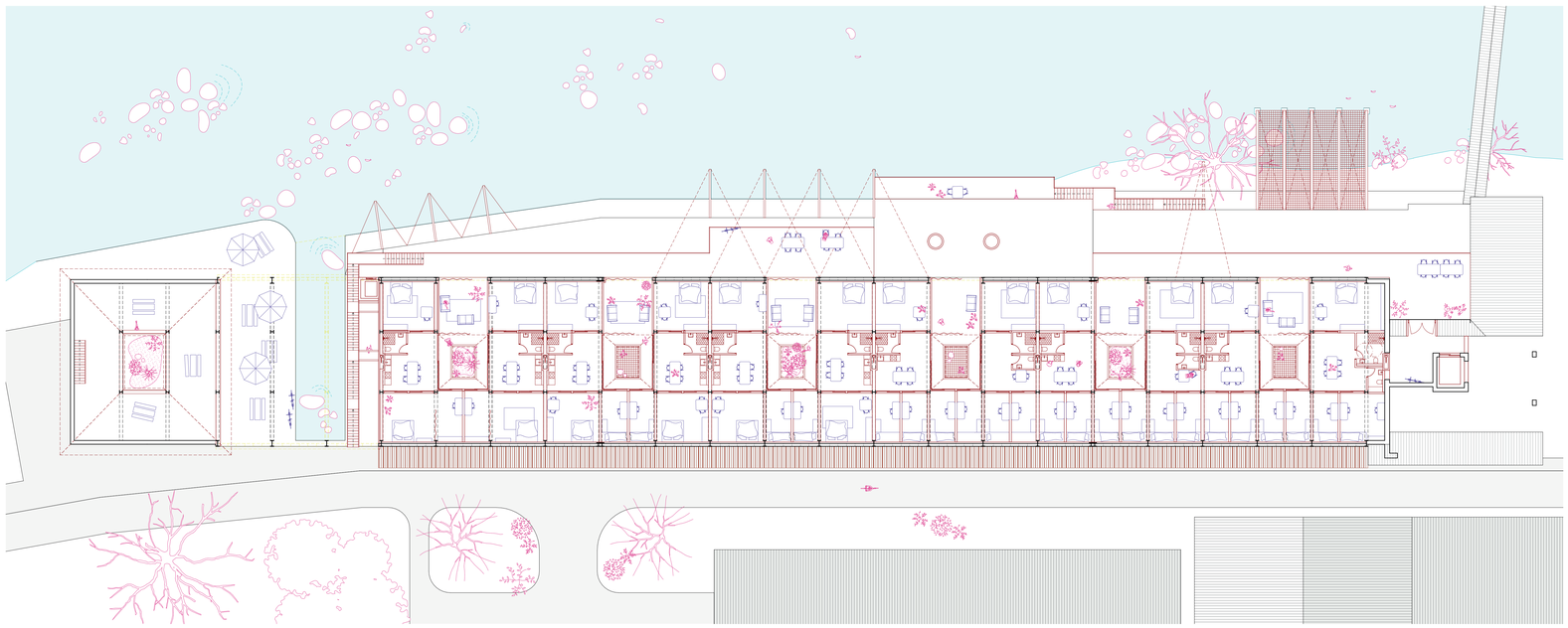
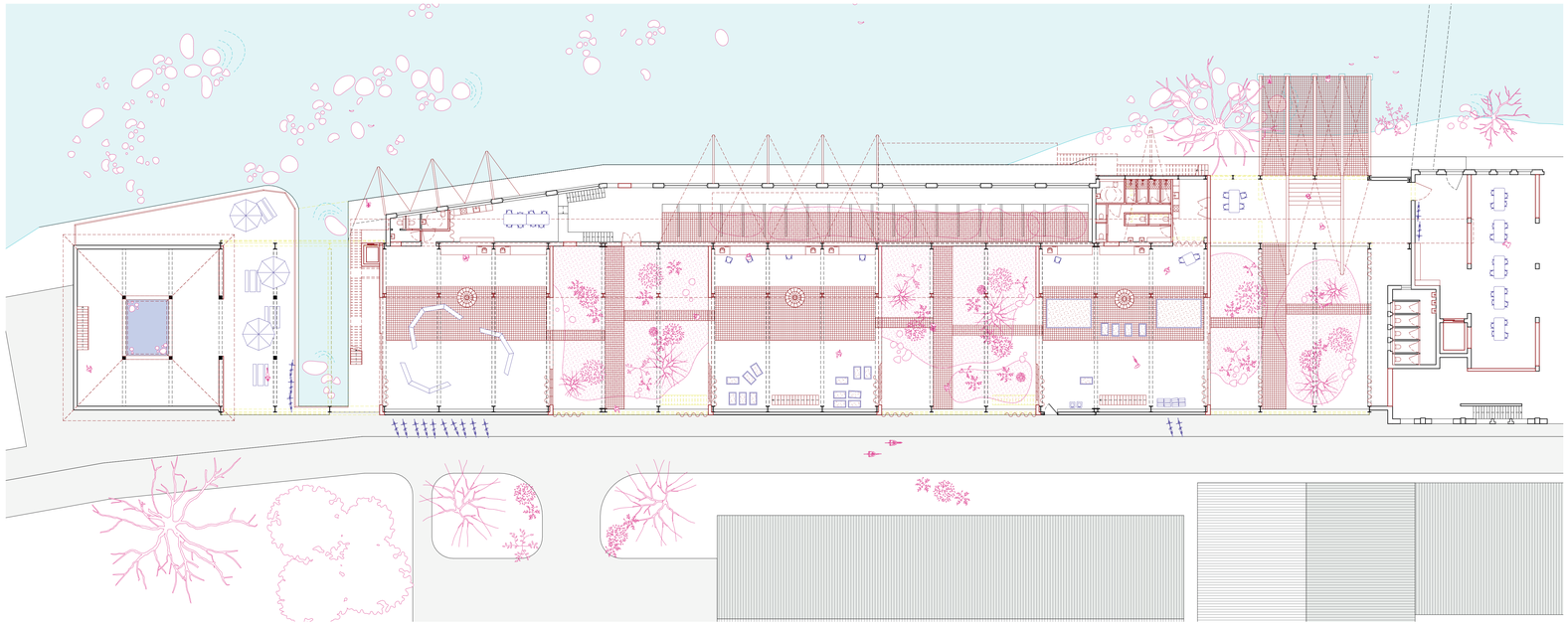


Surrounding Plan 1:200

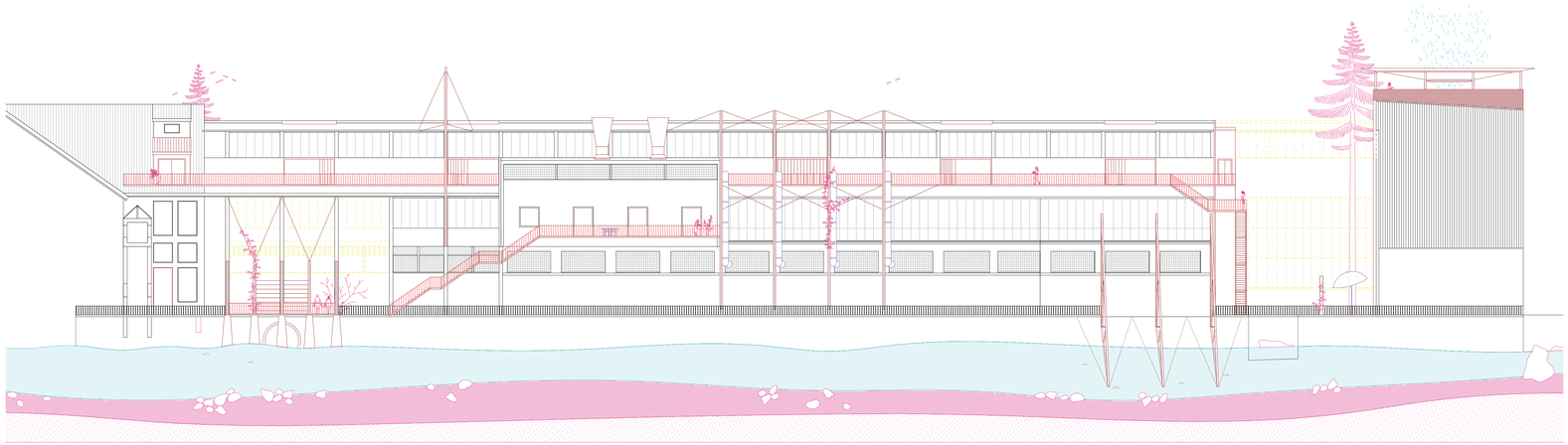
0 2 4 6 8 10 20m





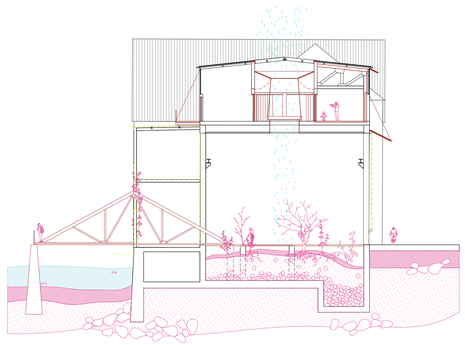
Floorplans

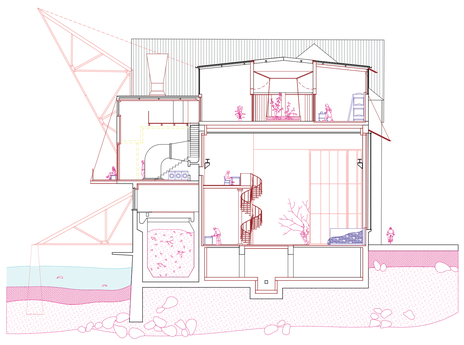
0 2 4 6 8 10 20m

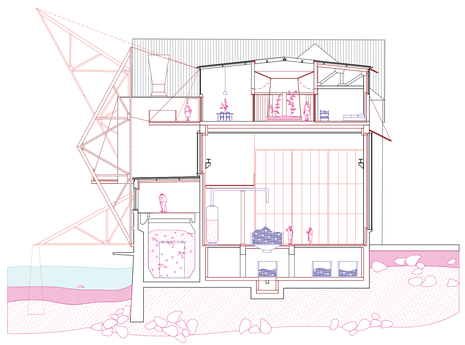


Elevation

0 2 4 6 8 10 20m

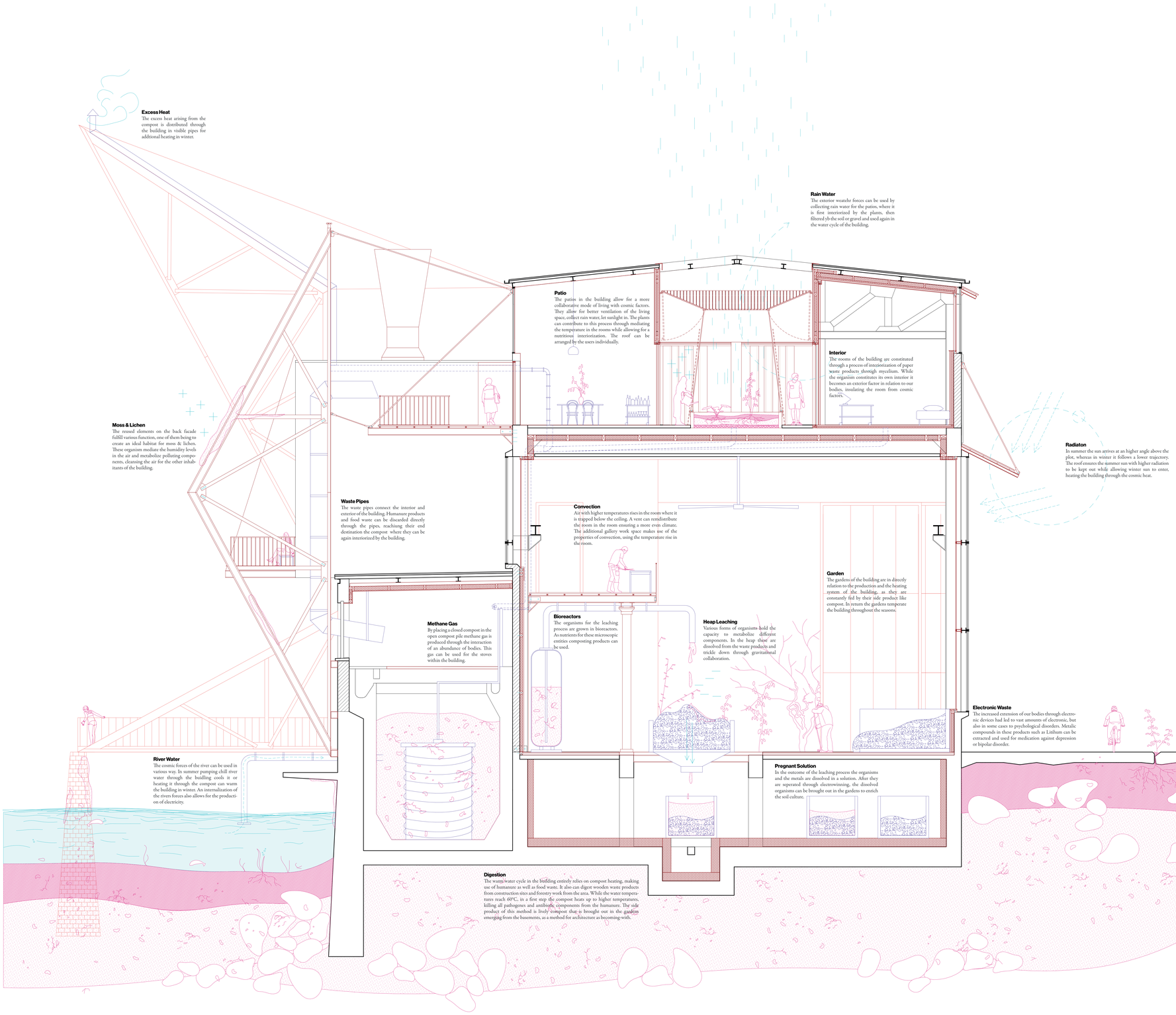






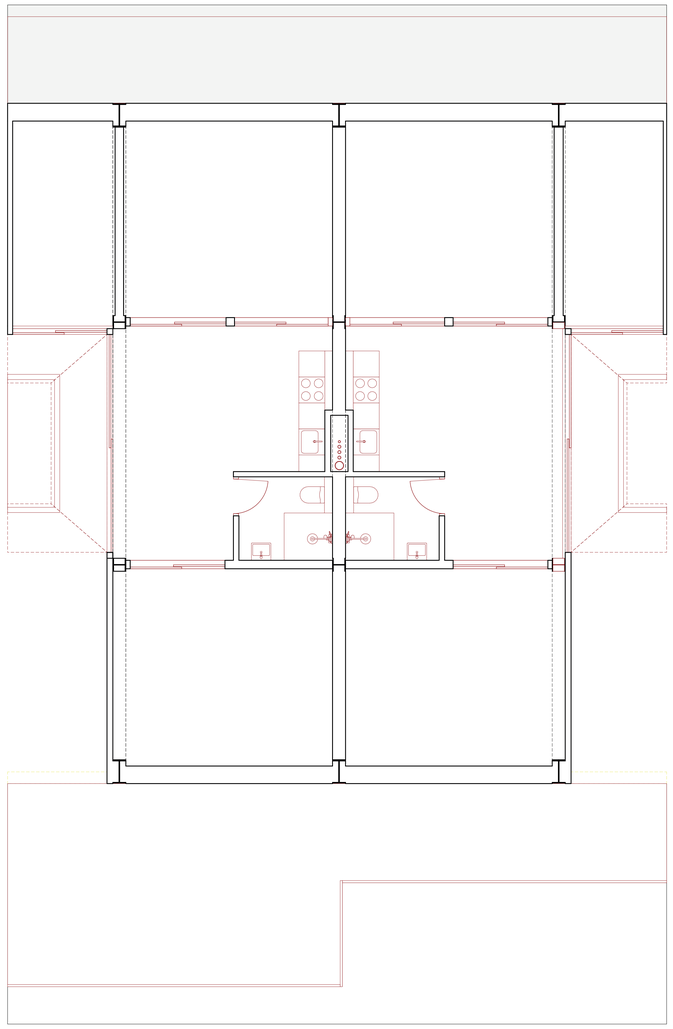
Sections

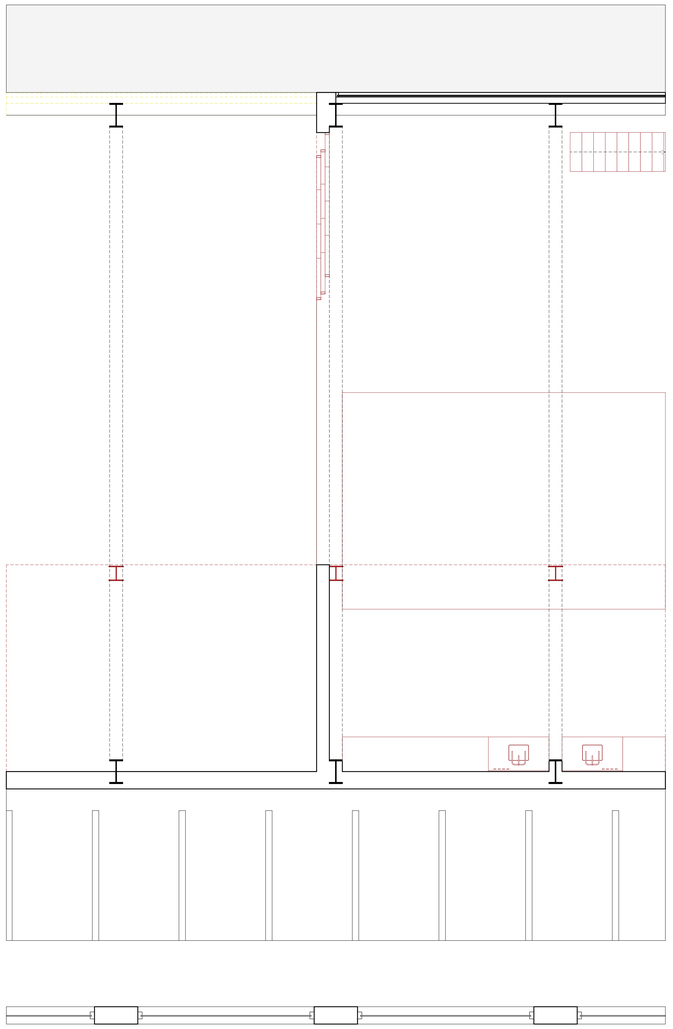
0 2 4 6 8 10 20m



System Section

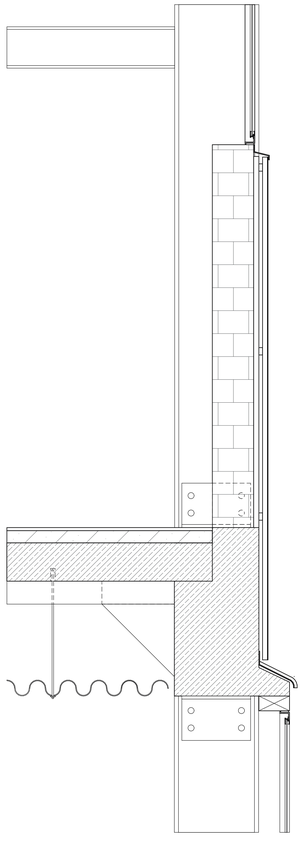
0 0,5 1 1,5 2 2,5 5m



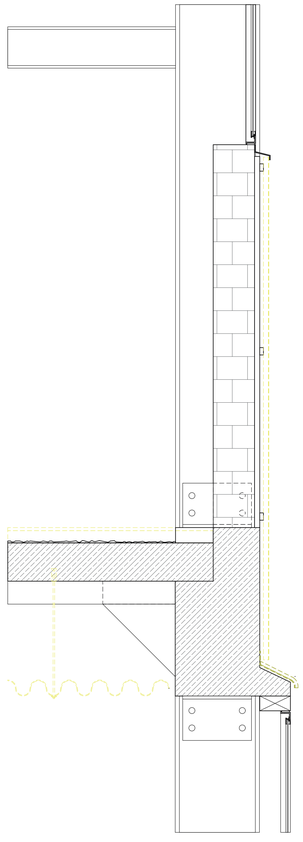


Floorplan Moments

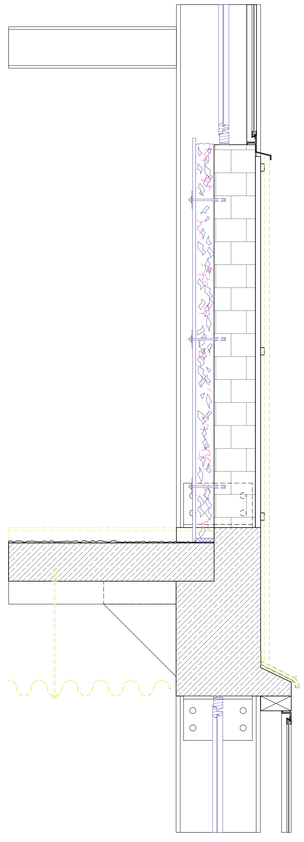
0 0,5 1 1,5 2 2,5 5m



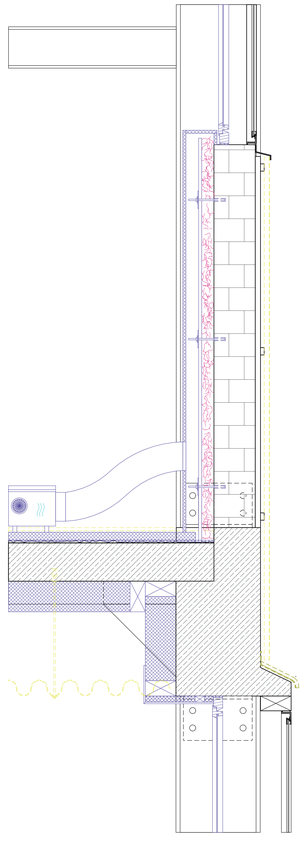
Step 1
The existing structure is evaluated and critical joints and points of construction are noted. The main challenge here is to install a sceond plane of windows and insulating the upper brick wall to make the former storage space inhabitable, while achieving the goal reusing most materials from the site, remediating their function in a process of architecture in becoming.



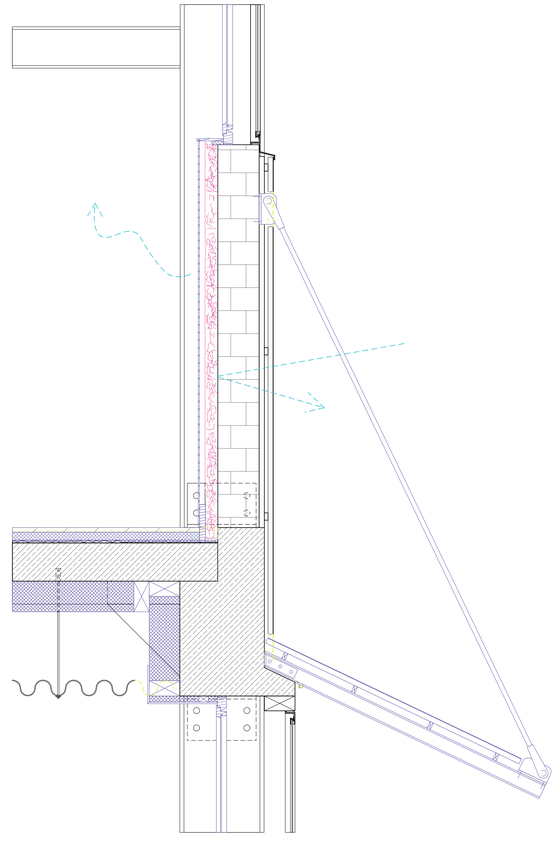
Step 2
Parts of the construction are taken away to amke space for the new elements. The interior and exterior cladding are cleaned and stored to be used again, surpassing their memory further in the building.



Step 3
After installing a second plane of glazing made from the old windows of the ruin garden, metal bolts are installed holding a plywood board in place with a gap of approx. 12cm. This gap is filled with substrate made from paper trash or wooden building parts from the ruin garden and mycelim is injected. It is a starting point for a process of becoming where memories are surpassed, enhancing new ways of being.



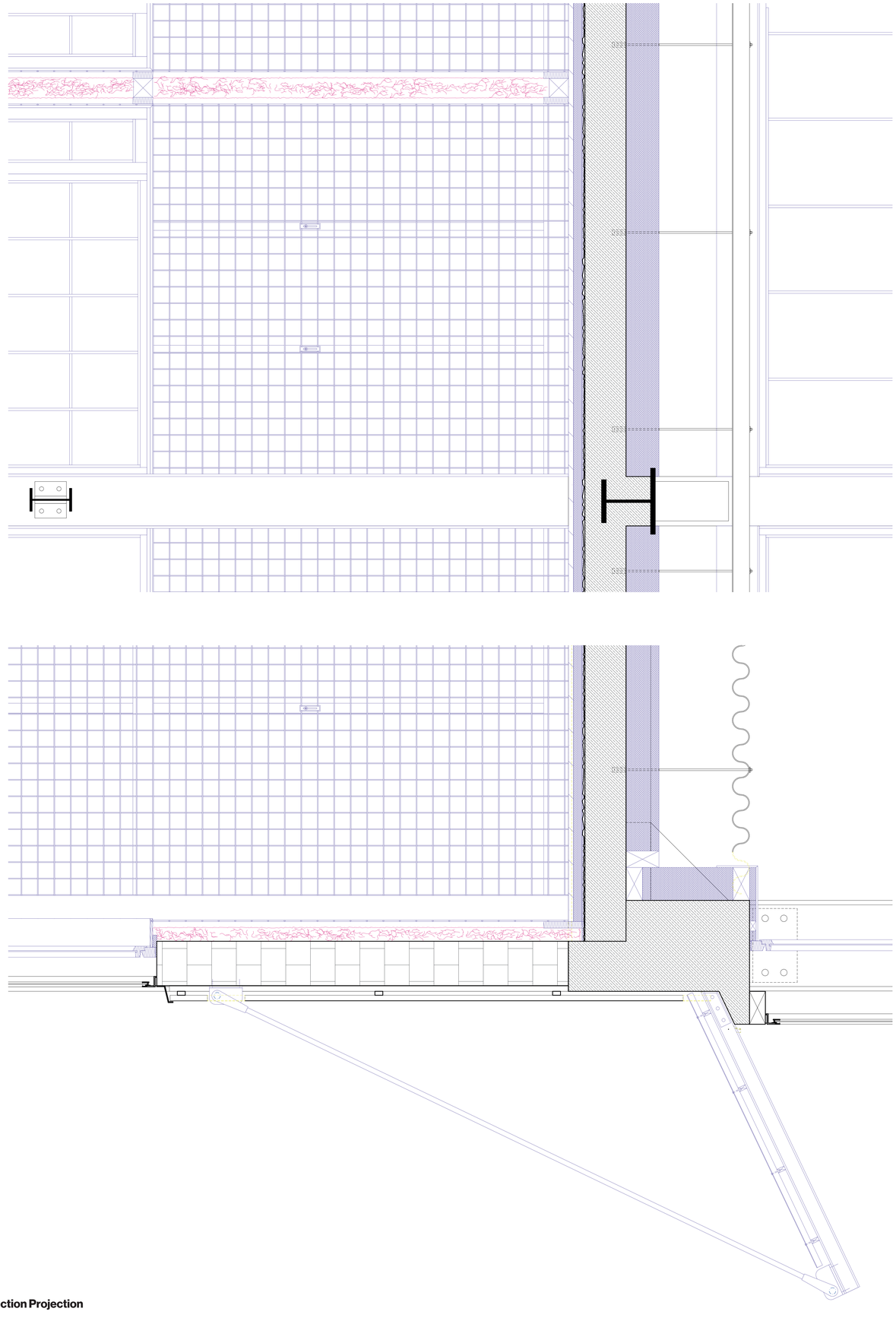
Step 4
While the lower floor is cladded with insulation, the mycelium metabolizes the memory of the paper trash or wood as they are interiorized by the body of the fungus after 5 days up until 2 weeks. After this process is complete and the memories have fully gone through this metamorphosis, the body structure of the fungus is pressed and the thickness of the layer decreased by 30-35% by fastening the bolts. To stagnate any further growth of the fungus and prevent spore spreading, the layer is dryed out and heated in a mold by a construction site heater. This process again blurs the boundary between living and non-living, memory and body.

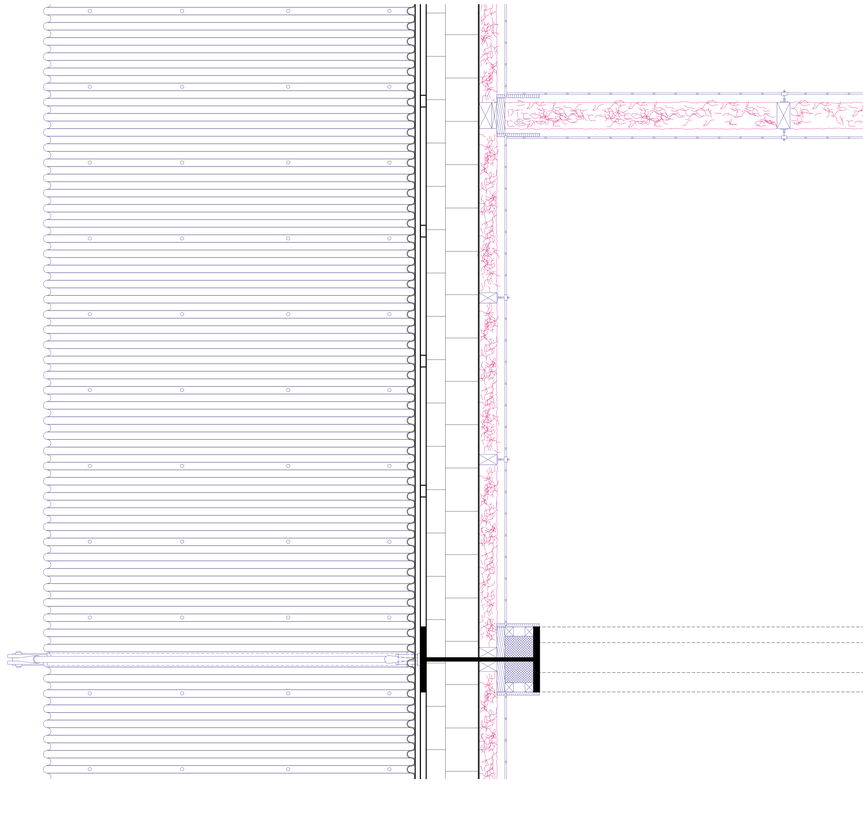


Step 5
After the drying process is completed, the floor is installed and the mycelium layer is cladded with a transparent foil on the inside and a grid that was harvested on the site. The grid allows for a flexible use on the inside, while revealing and emphasizing the structure of the mycelium to the interior. The interior structure of the fungus now protects the building against the exterior forces heat or low temperature, while remediating the humidity in the rooms. The layer of mycelium now holds the intensive capacity of a thermal conductivity as low as 0,03 W/mK. In a final step the roof is installed and all claddings are brought back into their initial position.

Step by Step Detail

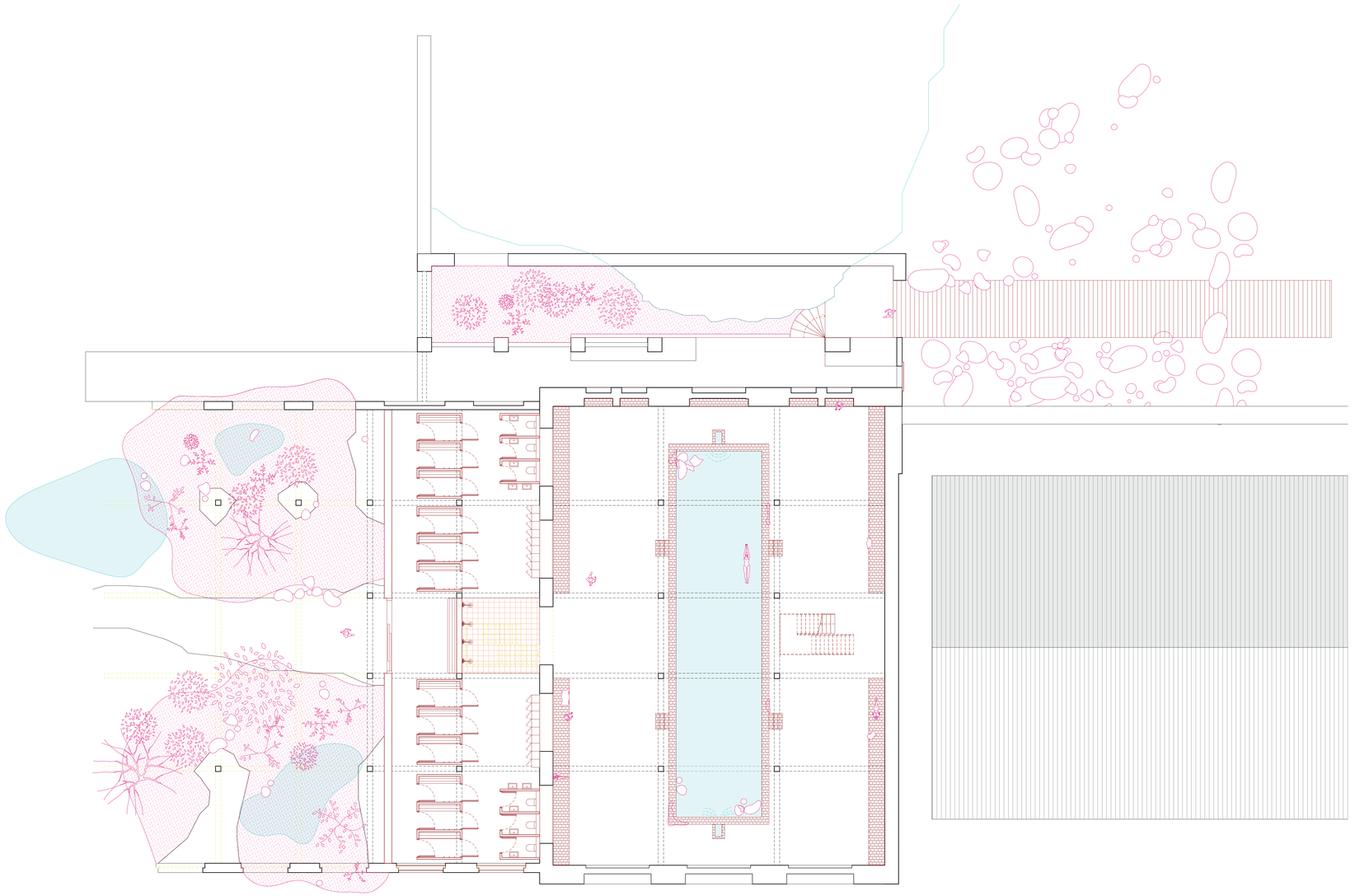
0 0,2 0,4 0,6 0,8 1 2m





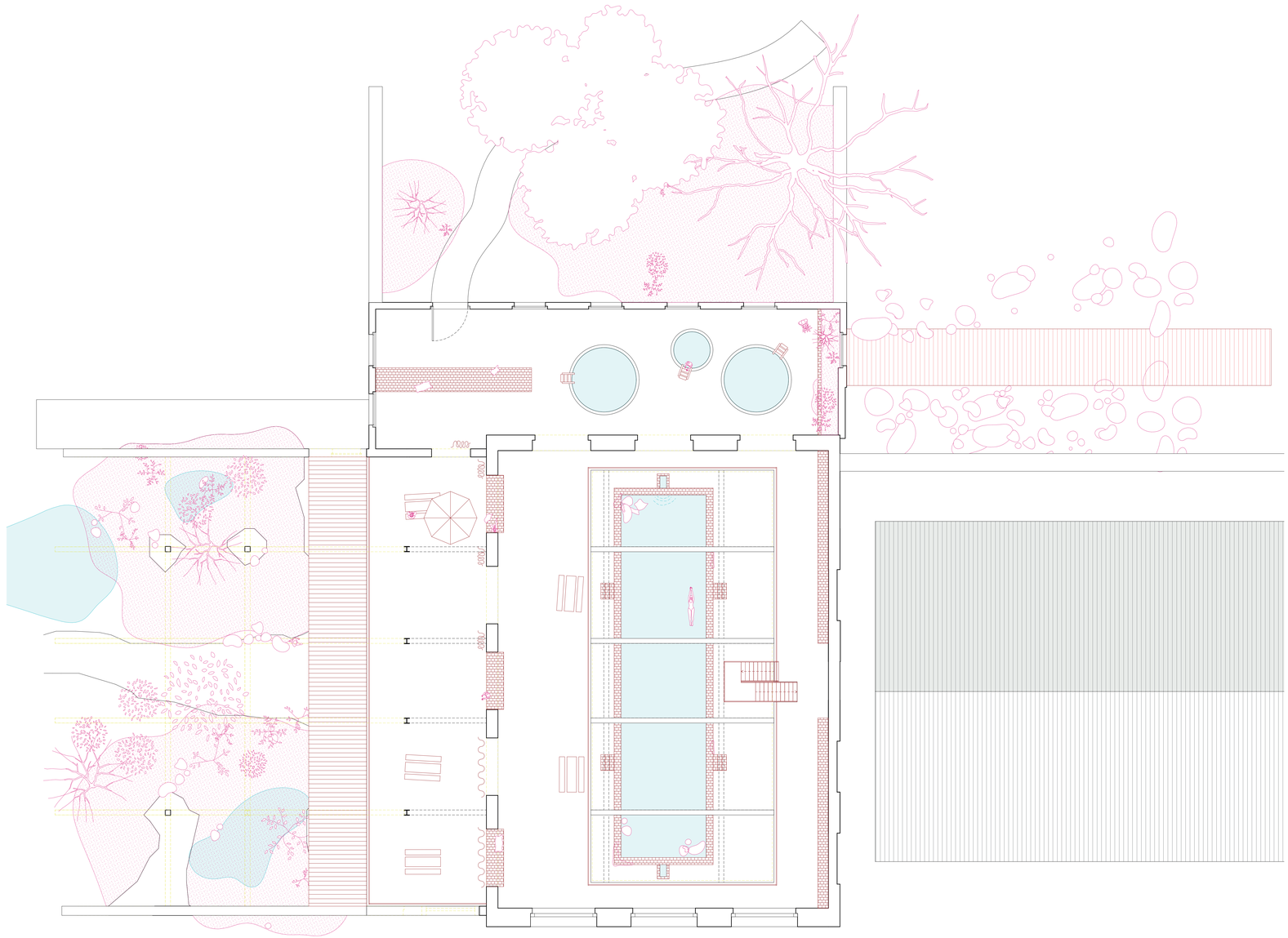
Construction Projection

0 0,1 0,2 0,3 0,4 0,5 1m



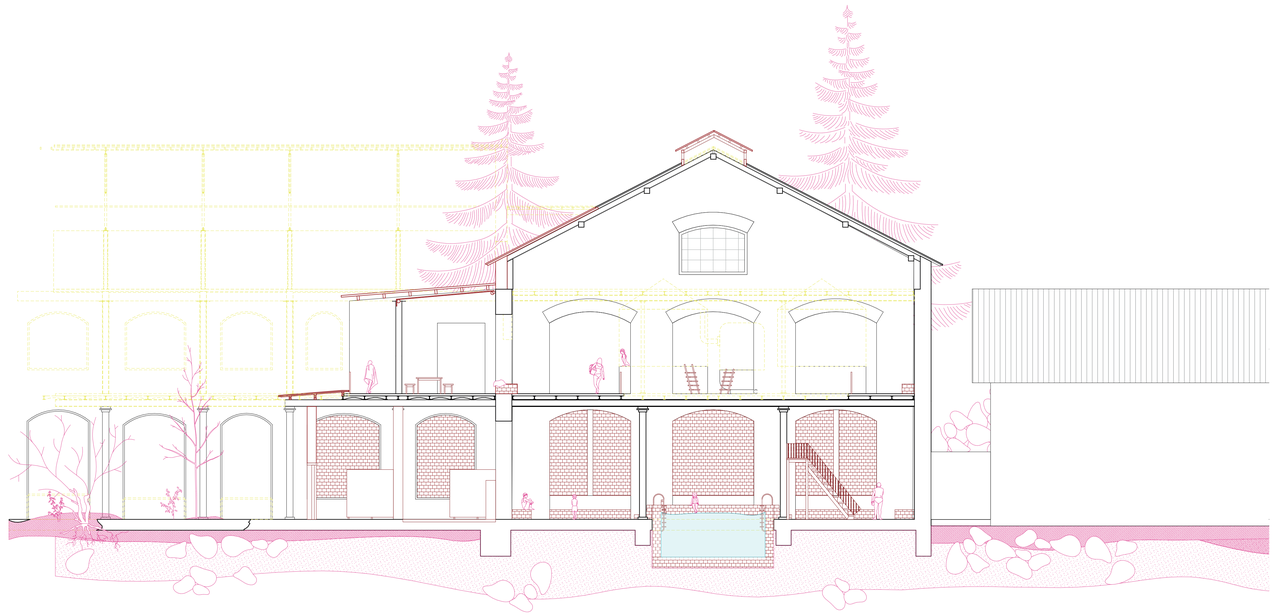
Groundfloor

0 1 2 3 4 5 10m



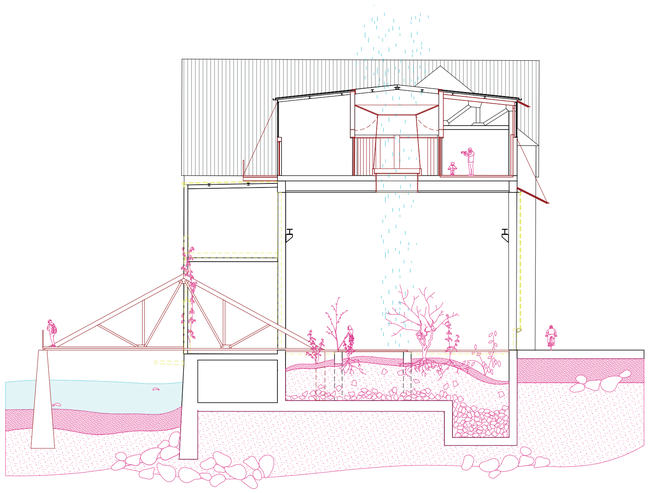
First Floor

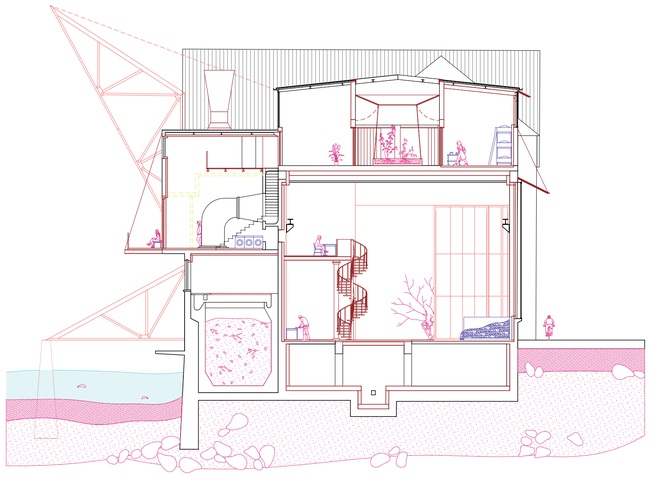
0 1 2 3 4 5 10m

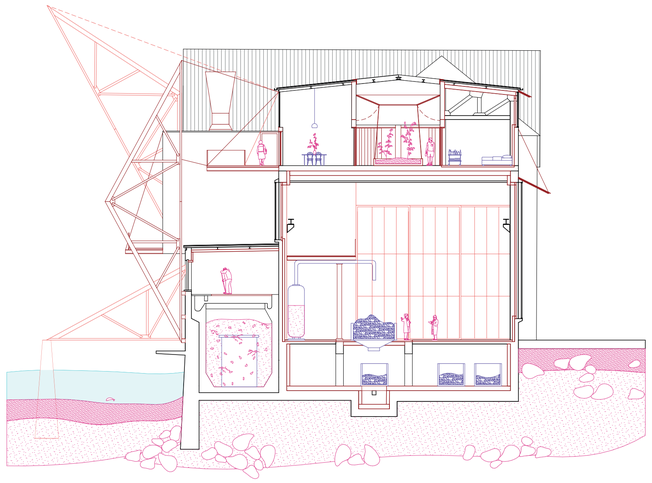


Section & Elevation

0 1 2 3 4 5 10m

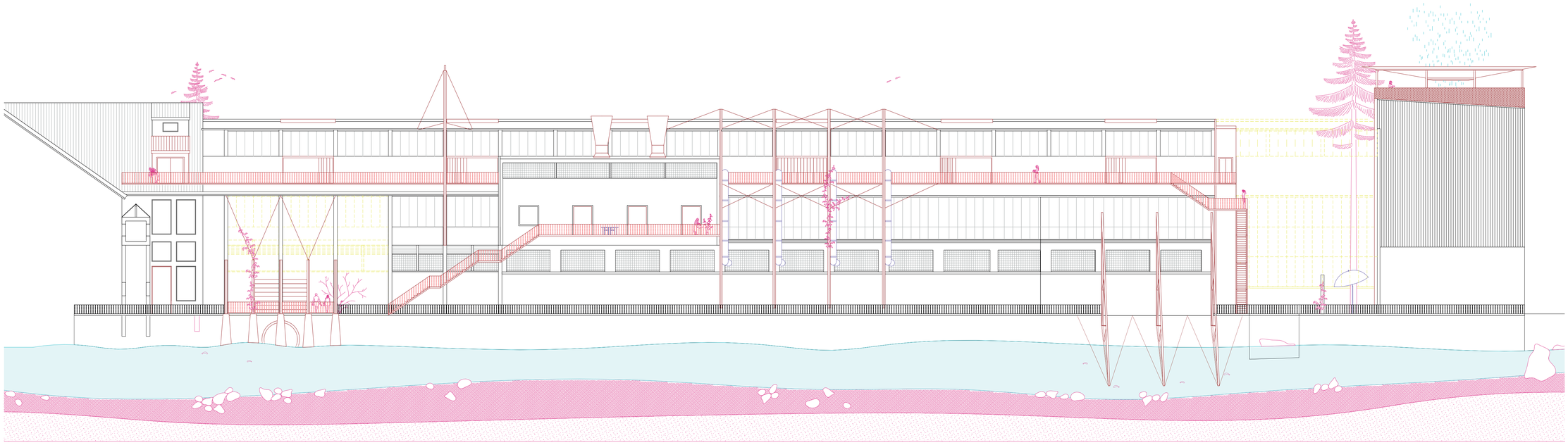






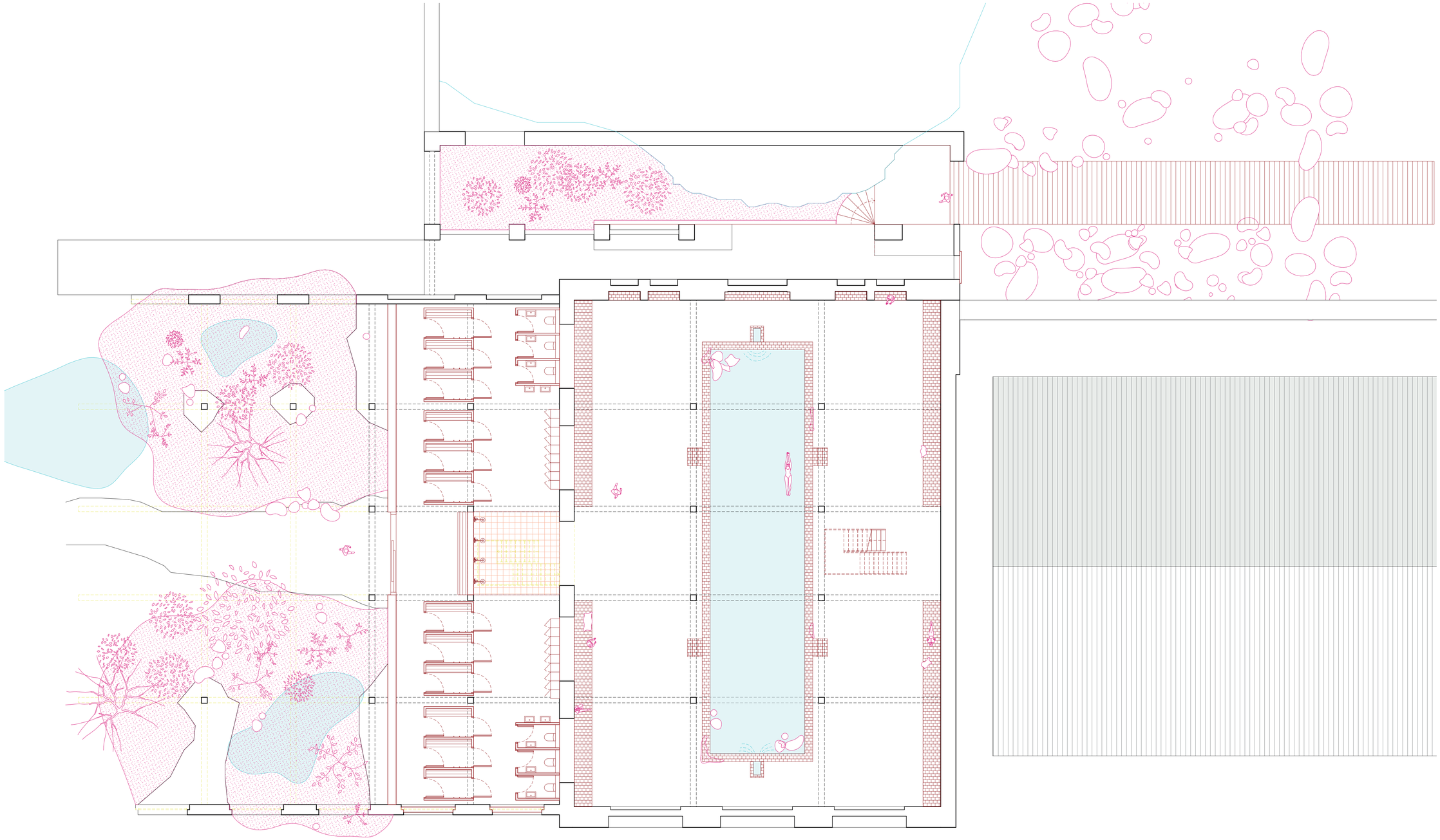
Sections

0 2 4 6 8 10 20m



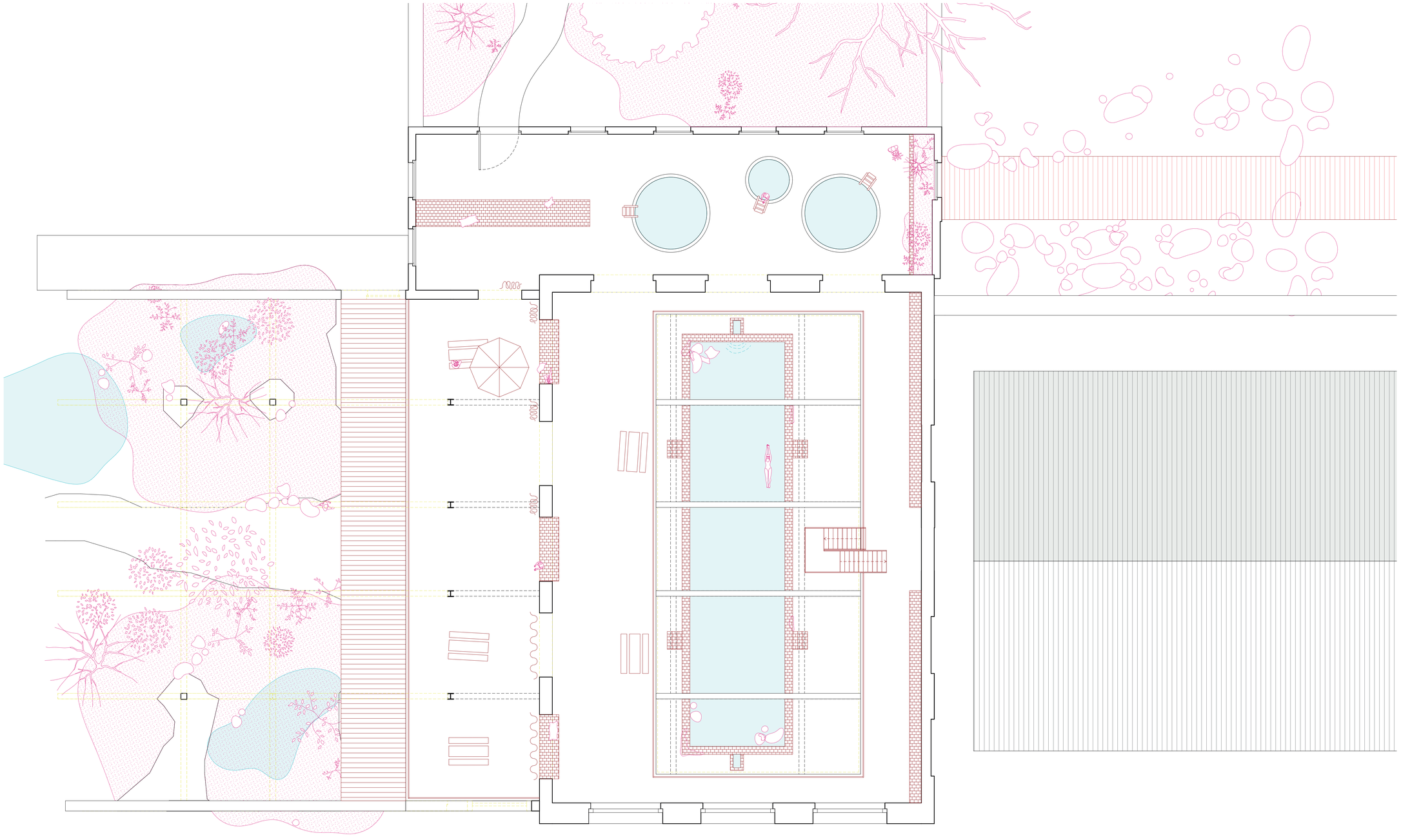
Elevation

0 2 4 6 8 10 20m



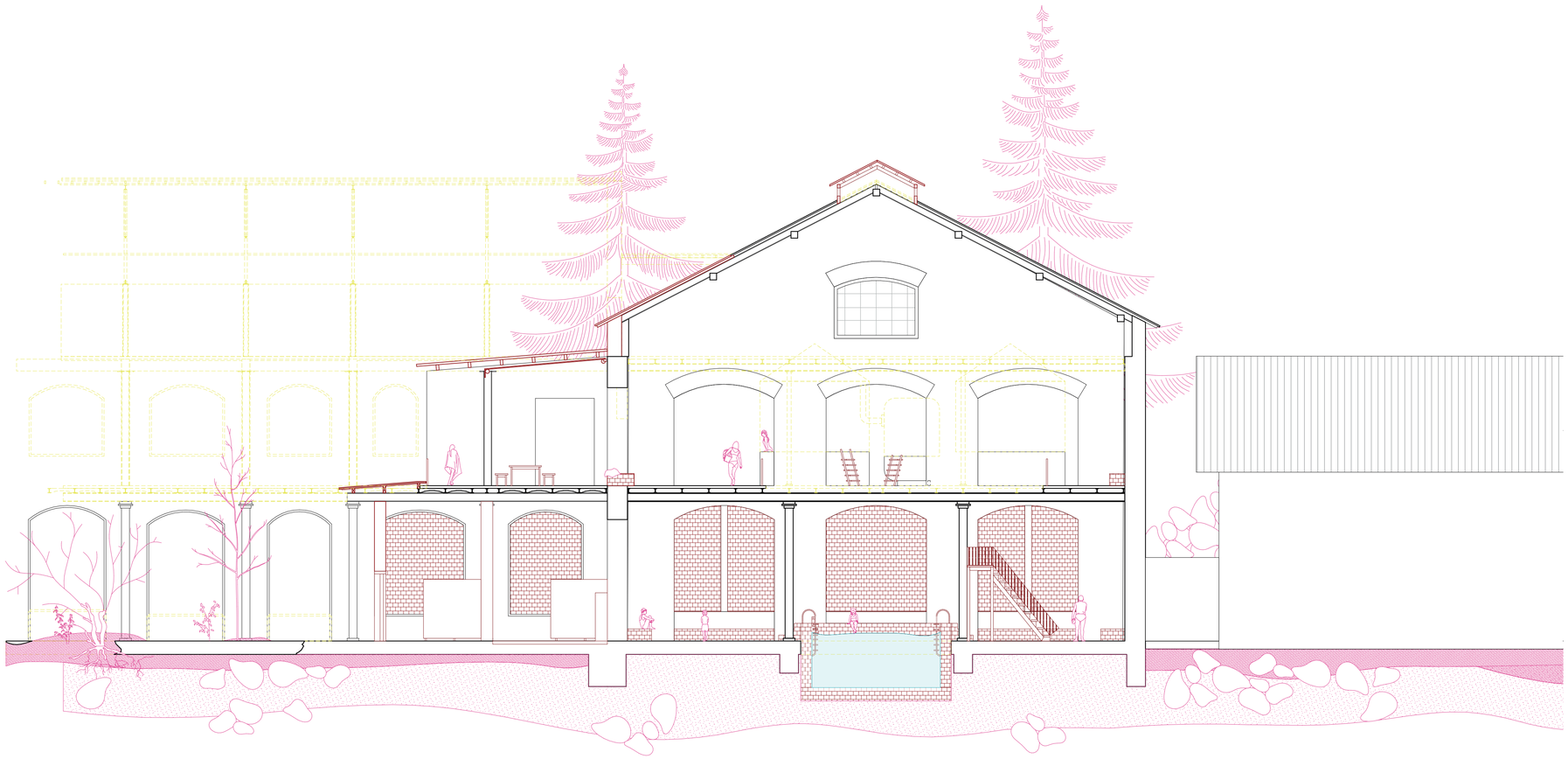
Groundfloor

0 1 2 3 4 5 10m



First Floor

0 1 2 3 4 5 10m



Section

0 1 2 3 4 5 10m

Elevation

0 1 2 3 4 5 10m