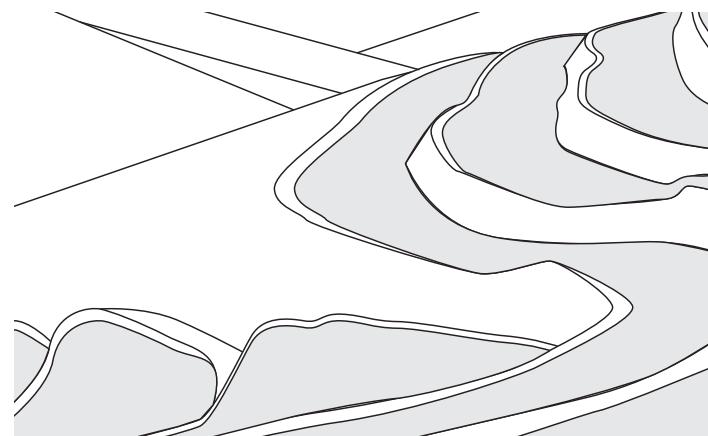


NATIVE SPECIES IN SOUTH EAST ASIA



fish photos are not original  
citations can be provided upon request

Native species are camouflaged in the musky shallow rivers and rice paddies in South East Asia. They have regular tail body proportion to thrive in their environment.



BREEDS



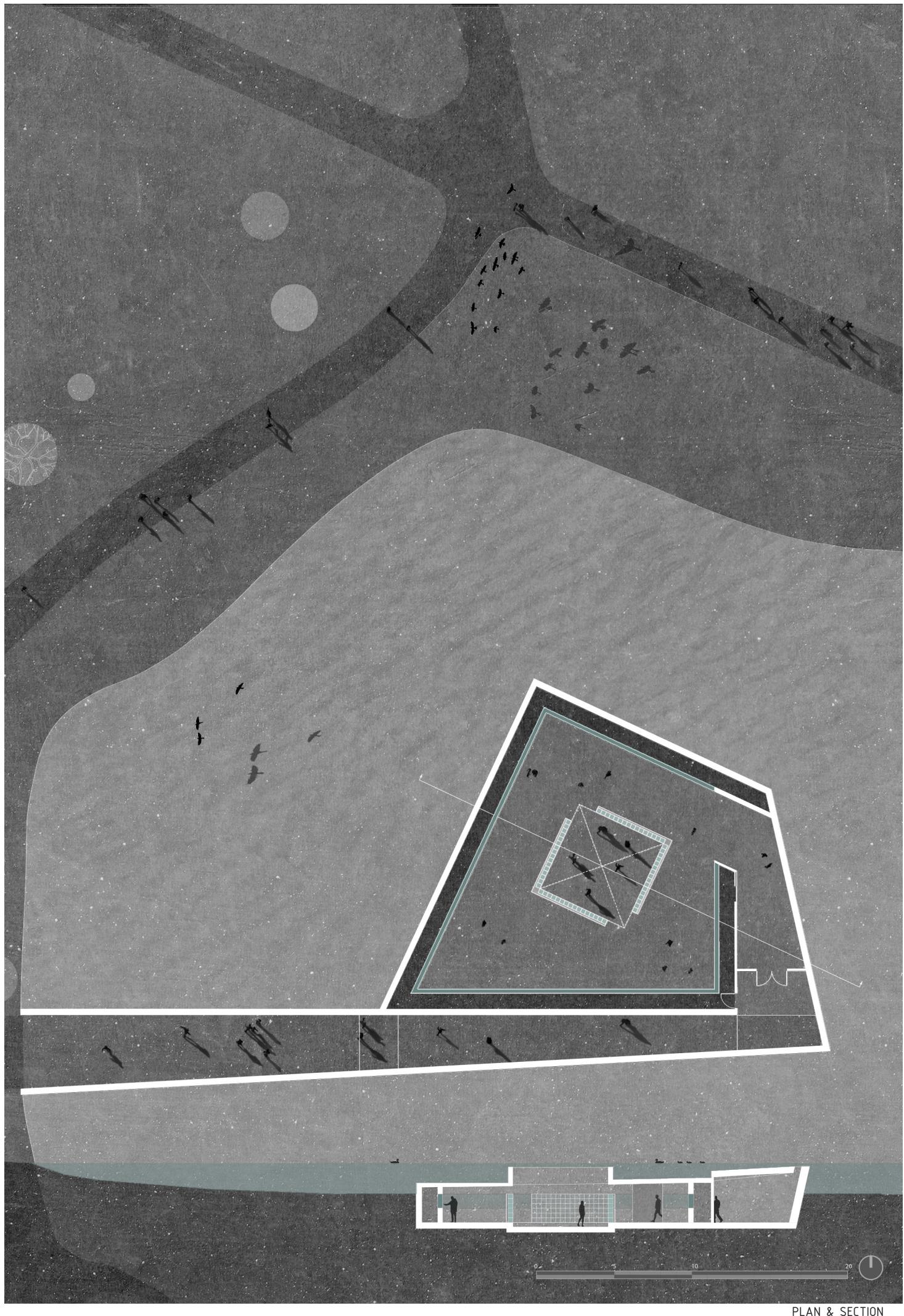
With selective breeding, we obtain flamboyant fish with extravagant physical features. Found in tiny containers at pet stores, these fish can no longer survive in the nature.



ACADEMIC  
2019 WINTER  
DURATION: 6 WEEKS  
INSTRUCTOR: HUBERT PELLETIER  
CO-DESIGNER: BIYING WANG

## CAPTIVE NATURE BETTA FISH PAVILION DESIGN

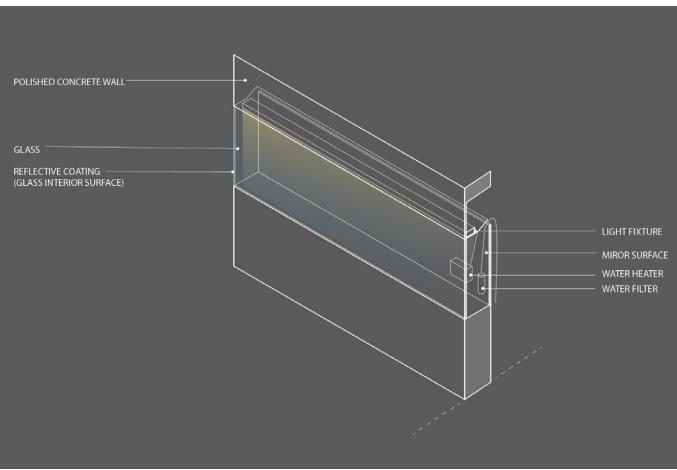
The betta fish pavilion is situated in the lake of Montreal's Botanical Garden. A passage brings you from the lakeshore to the pavilion underneath the water surface. The interior experience starts with a shift in brightness; the sky is replaced by a low ceiling. This dark space acts as a transitional path with a slit light along a slanted wall offering filtered natural light. The main room is surrounded by a continuous band aquarium on the four walls, where the native betta fish species are displayed in their natural habitat. The center of the room is protruded by a negative cubic volume that cuts right below the surface of the lake, forming a generous square skylight. Directly below becomes a space of contemplation. Framed by symmetrical shelves, we find a multi-chromatic array of cubicles displaying the flamboyant genetically-enhanced species of betta fish.



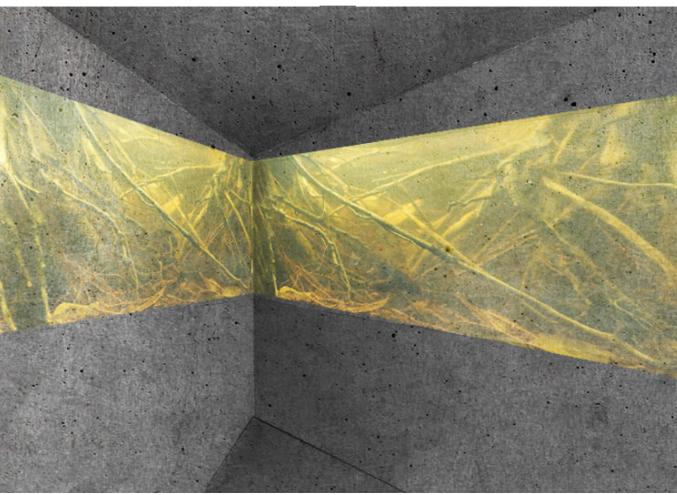
## TANK DESIGNS



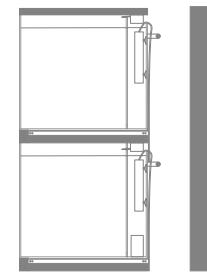
NATIVE SPECIES TANK MODEL



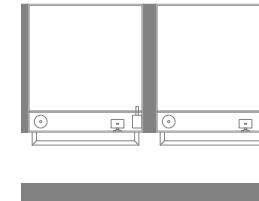
NATIVE SPECIES TANK DETAILS



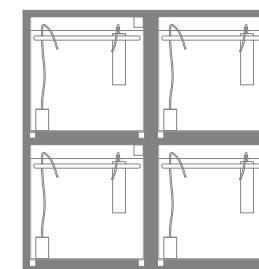
TANK PERSPECTIVE VIEWS



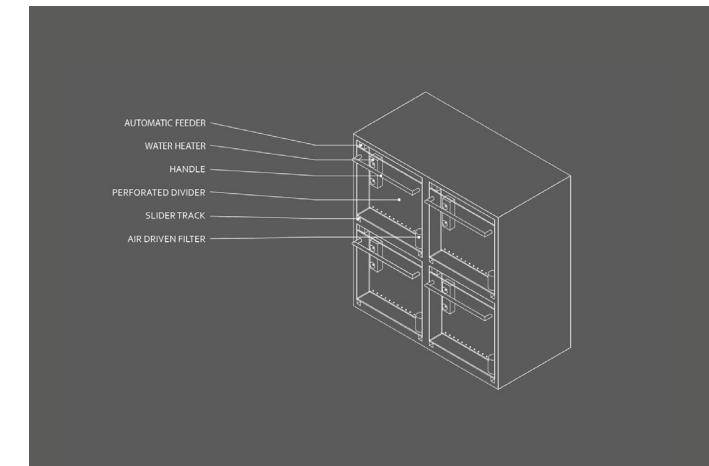
BREEDS TANK PARTIAL VERTICAL SECTION



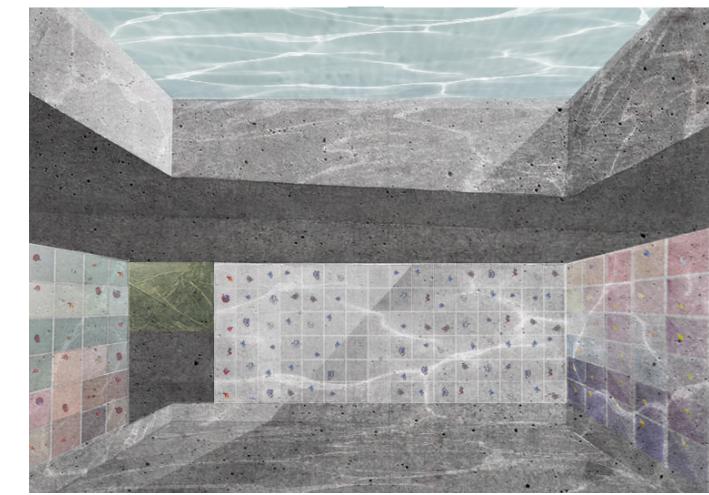
BREEDS TANK PARTIAL HORIZONTAL SECTION



BREEDS TANK PARTIAL BACK VIEW



BREEDS TANK DETAILS



TANK PERSPECTIVE VIEWS

## SPACE DESCRIPTION

**1. RAMP**  
Start of the descend into the lake. Open to sky. 1:20

**2. LANDING MIDWAY**

**3. ENTRANCE**  
Left turn to the canopied entrance room. Building is submerged.

**4. CORRIDOR TO THE EXHIBITION ROOM.**  
Recessed skylight open to lake above lets light diffuse upon the west wall. At this point the ceiling lowers to main room height

**5. MAIN ROOM**  
Following the strip aquarium of the wild betta species.

**6. MAIN ROOM**  
Back against the central atrium, seeing a slight view of the central atrium

**7. MAIN ROOM**  
Walls aquarium and ceiling coverage at the corner (central aquarium not visible)

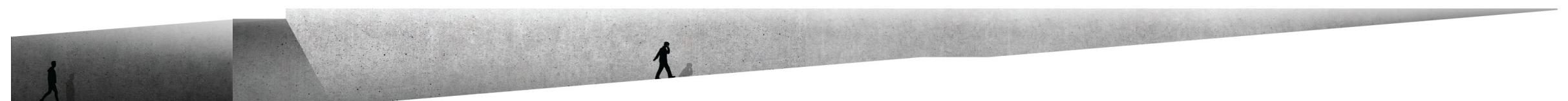
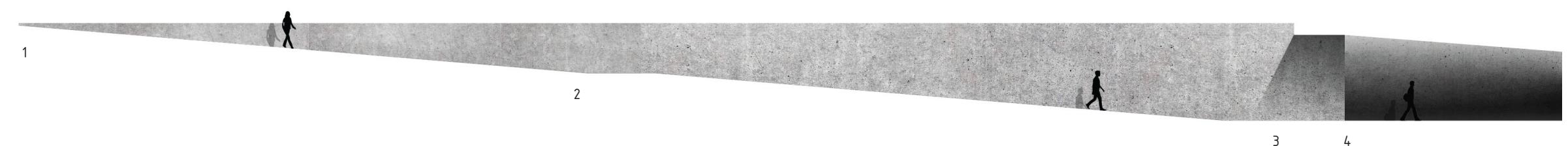
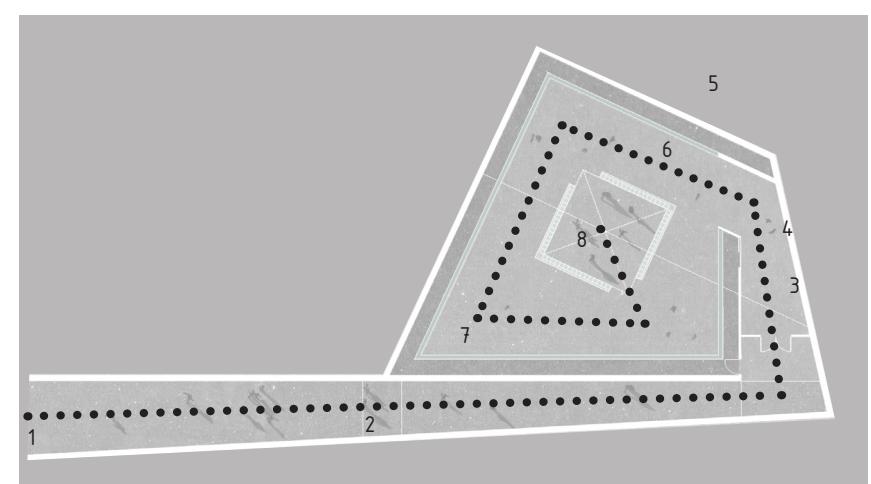
**8. MAIN ROOM CENTRAL ATRIUM**  
Negative prism volume perturbing from floor to skylight 10cm above lake surface. Light and water are reflected below. Square space is framed by shelves of polychromatic array of betta breeds aquarium

**9. TRANSITION: SEE 4**

**10. EXIT SEE 3**

**11. RAMP SEE 1**

**12. NIGHT VIEW**

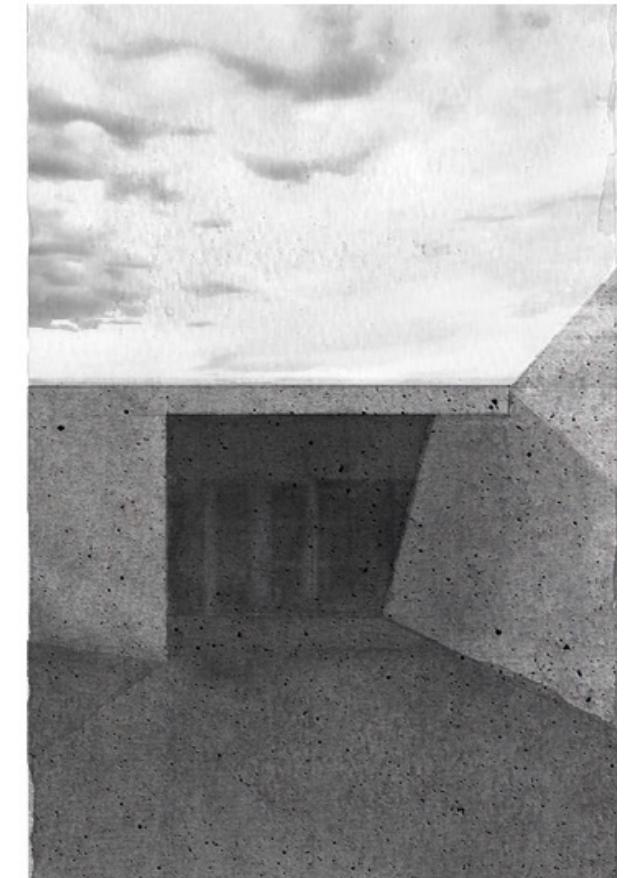
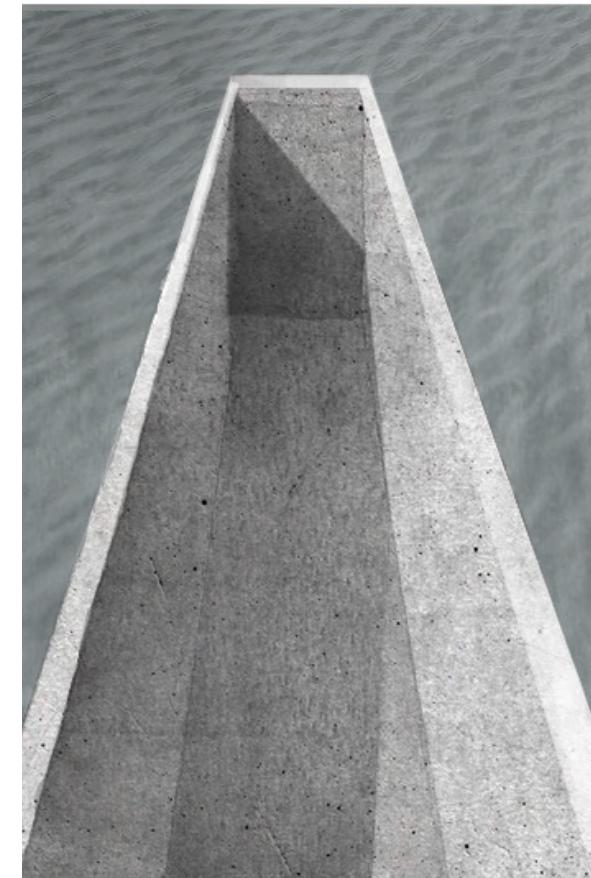


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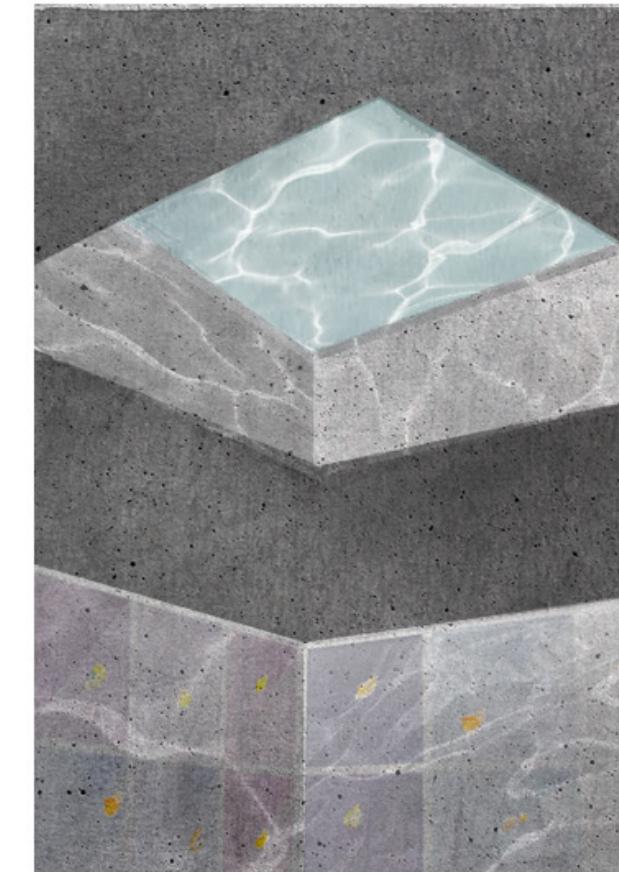
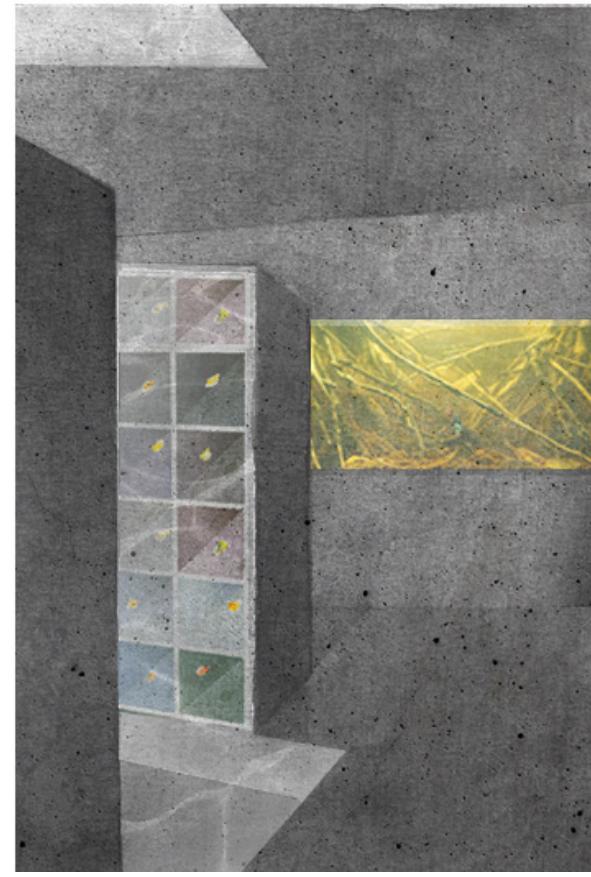
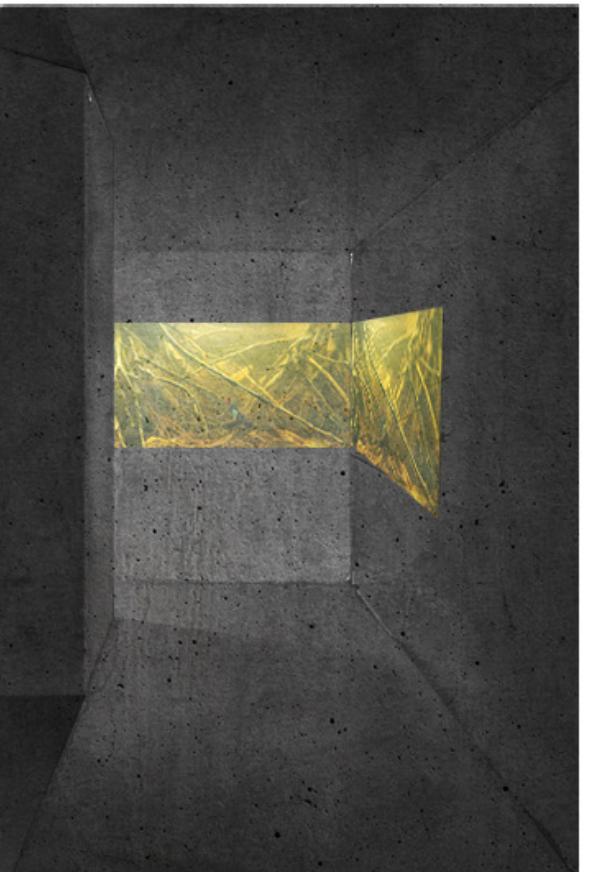
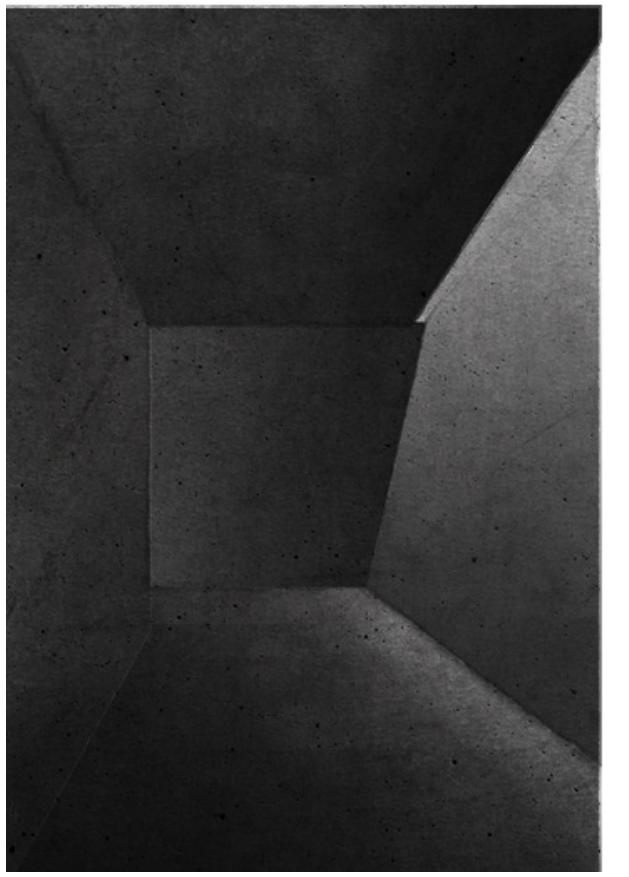
EXPERIENTIAL SEQUENCE



1

2

3



5

6

8

12