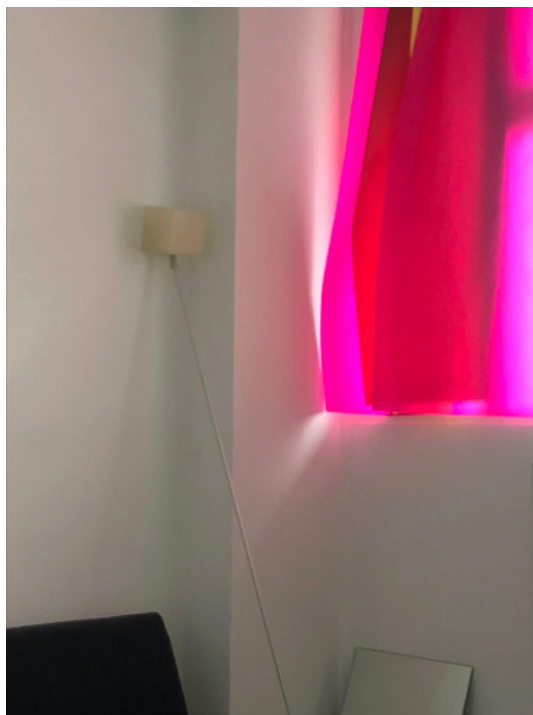


Research into the sensitivity of Dutch light

Catching light as a material to see the place



How is light a material?



What is the light of the place?

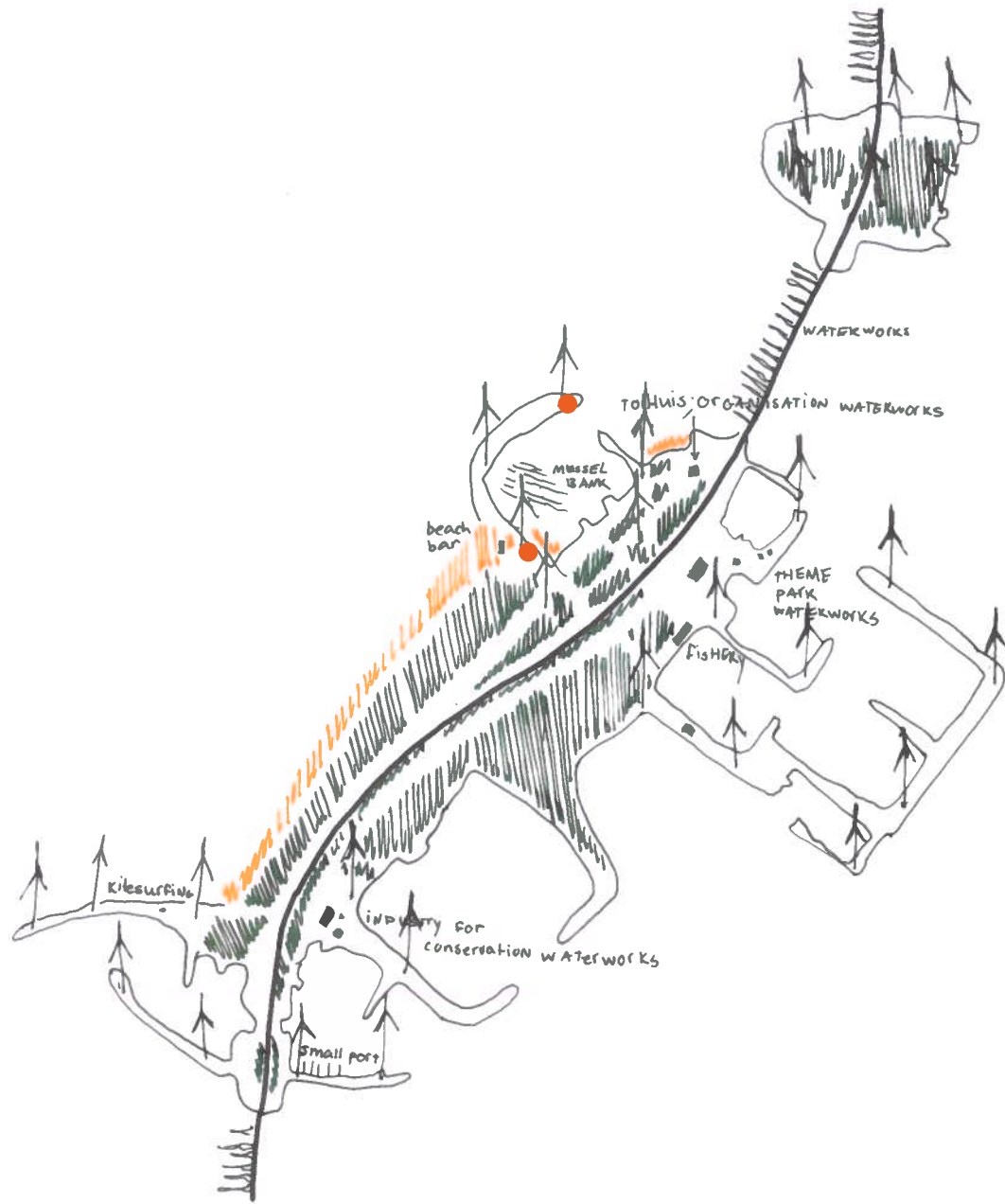
How can I use light to see the place?

The place: Vluchthaven



1:200000

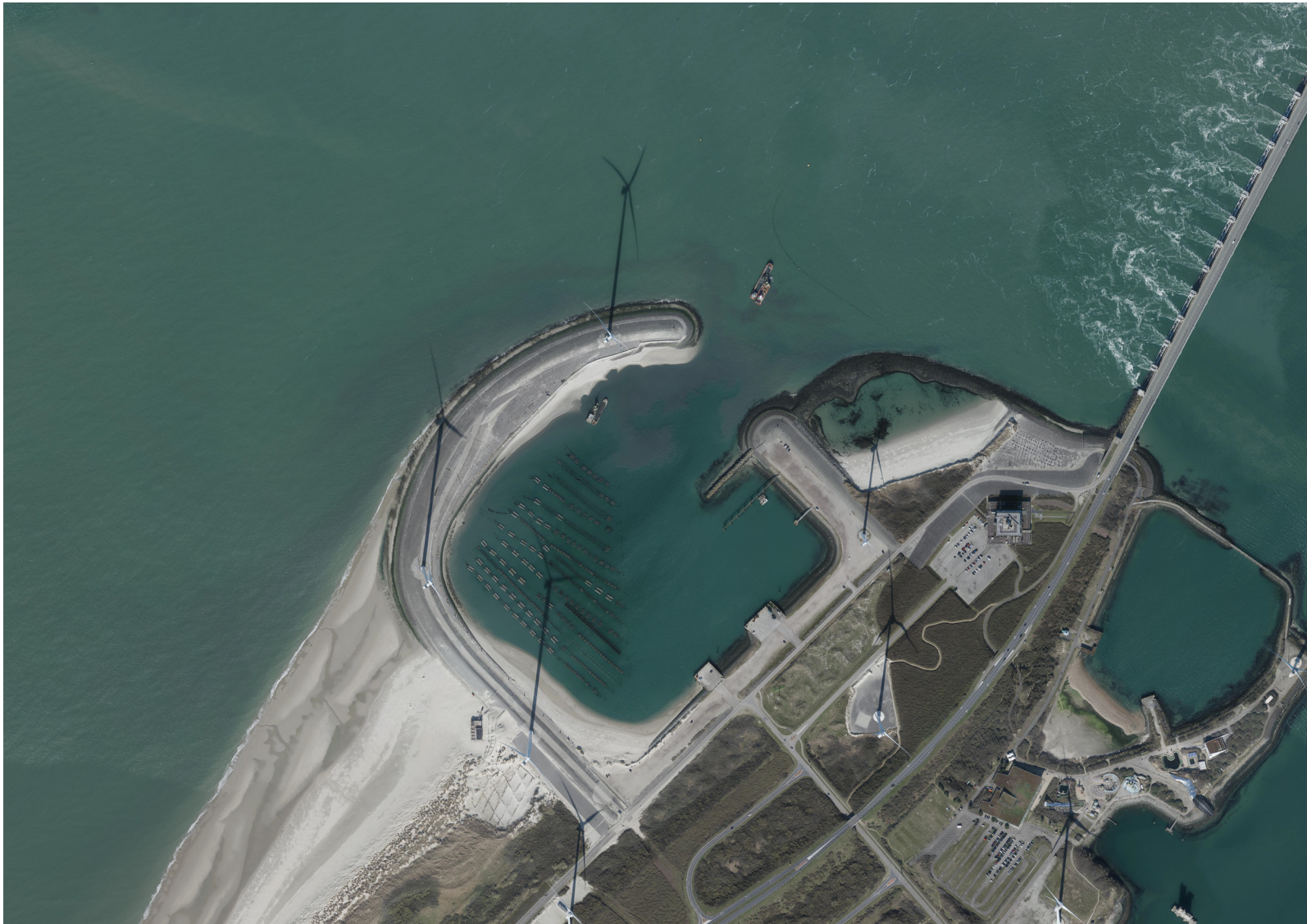


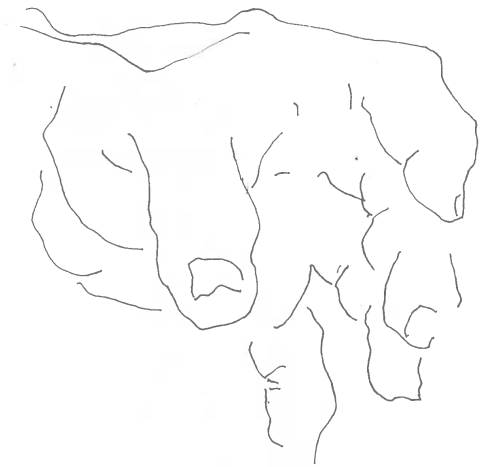












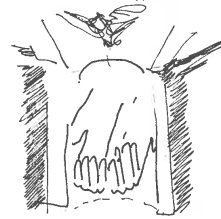
CHILLIDA HAND



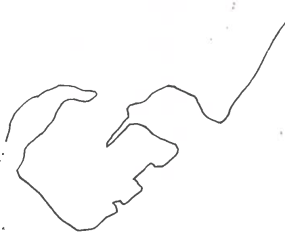
CHILLIDA, DESSIN 1969
 LIGHT SPURS FROM THE MAIN HEAVY
 WAVING FINERS HANDPALM
 MAIN HEAVY HEAVY HEAVY HEAVY HEAVY



EMBRACING WITH THE HEAVY
 WITH THE HAND



ENZO CUCCHI
 MONTE TAMAKO



WITH THE DIKE
 OF LIGHT AND LIGHTNESS



RODIN
 THE CATHEDRAL

= WARMTH
 = CONVERGING
 OF
 LIGHT



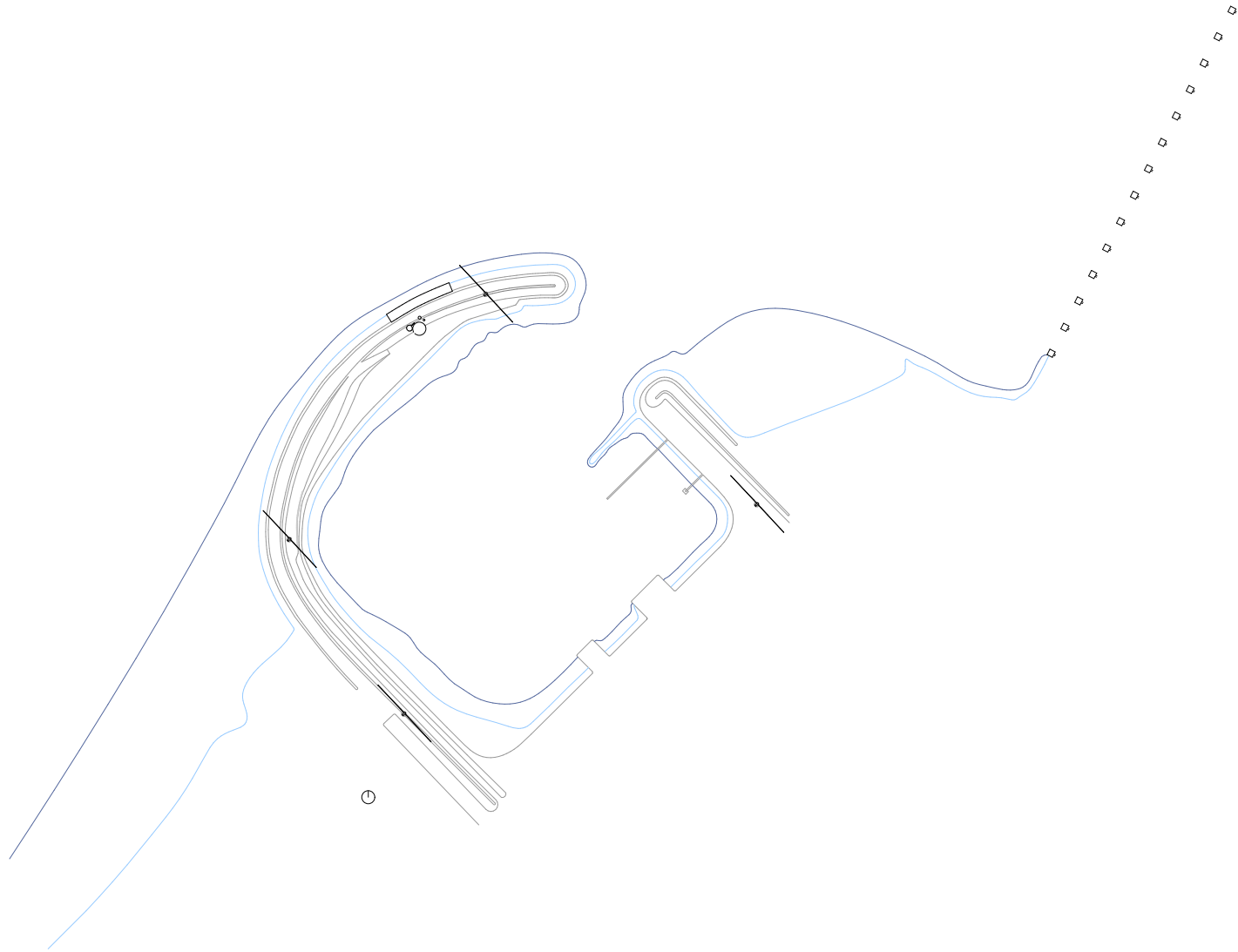
THIS WAY BROWN

STANLEY BROWN
 MEASURING
 FINING OF RHYTHM
 TO NOT FEEL DISORIENTED
 AS IF WE ARE IN A CLOUD
 WORDS ARE RHYTHM TOO

The programme:

4 ateliers to experience light

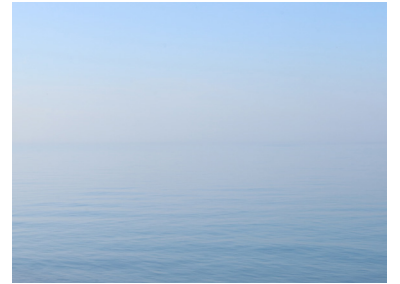
1 dwelling for artist in residence



Light flooding









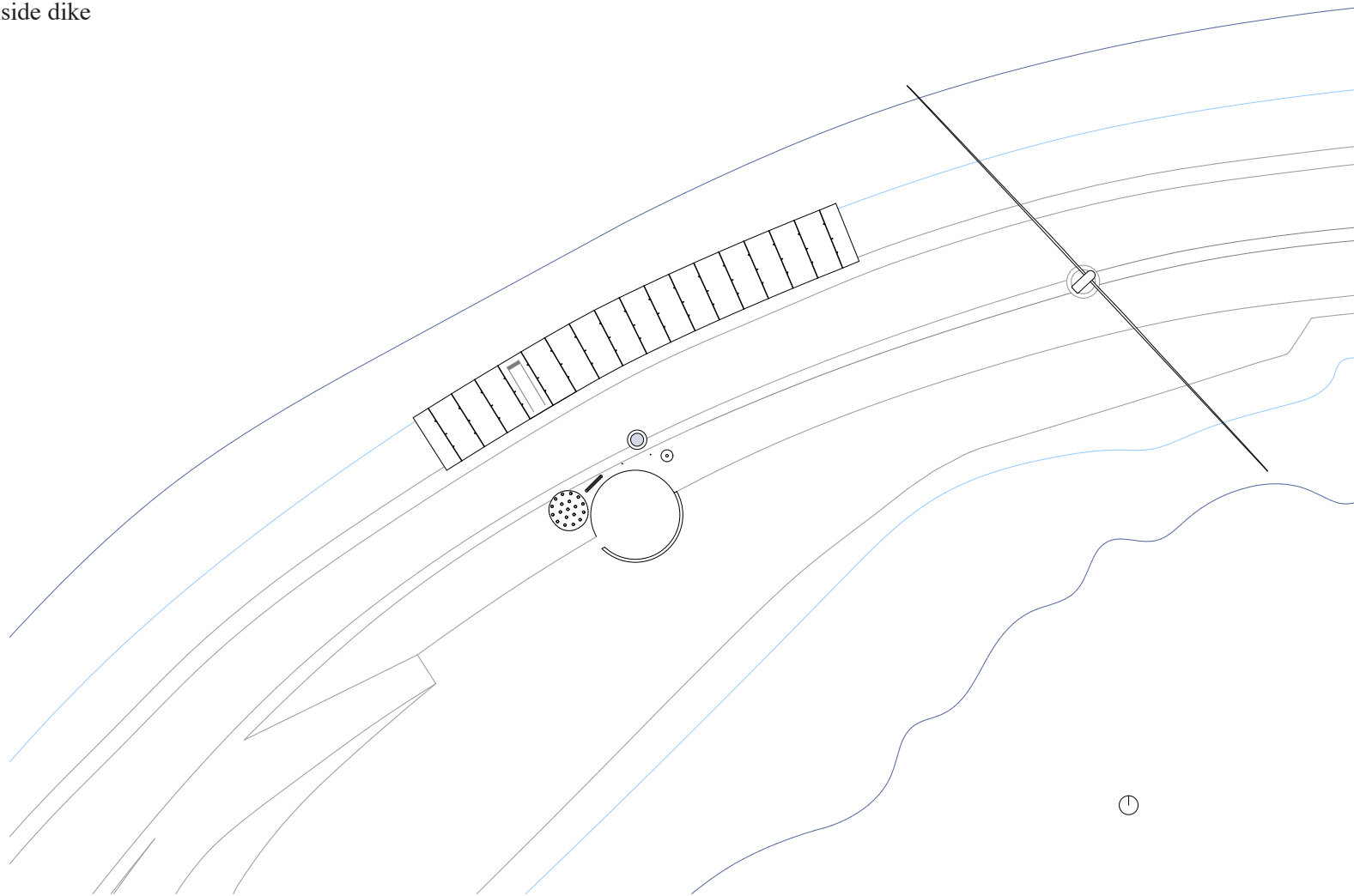
Place asks for shelter for wind, water and light

Atelier 1: Vluchthaven dike

Atelier 2: Atelier under cloud roof

Atelier 3: Atelier embraced by wall

Atelier 4: Atelier inside dike



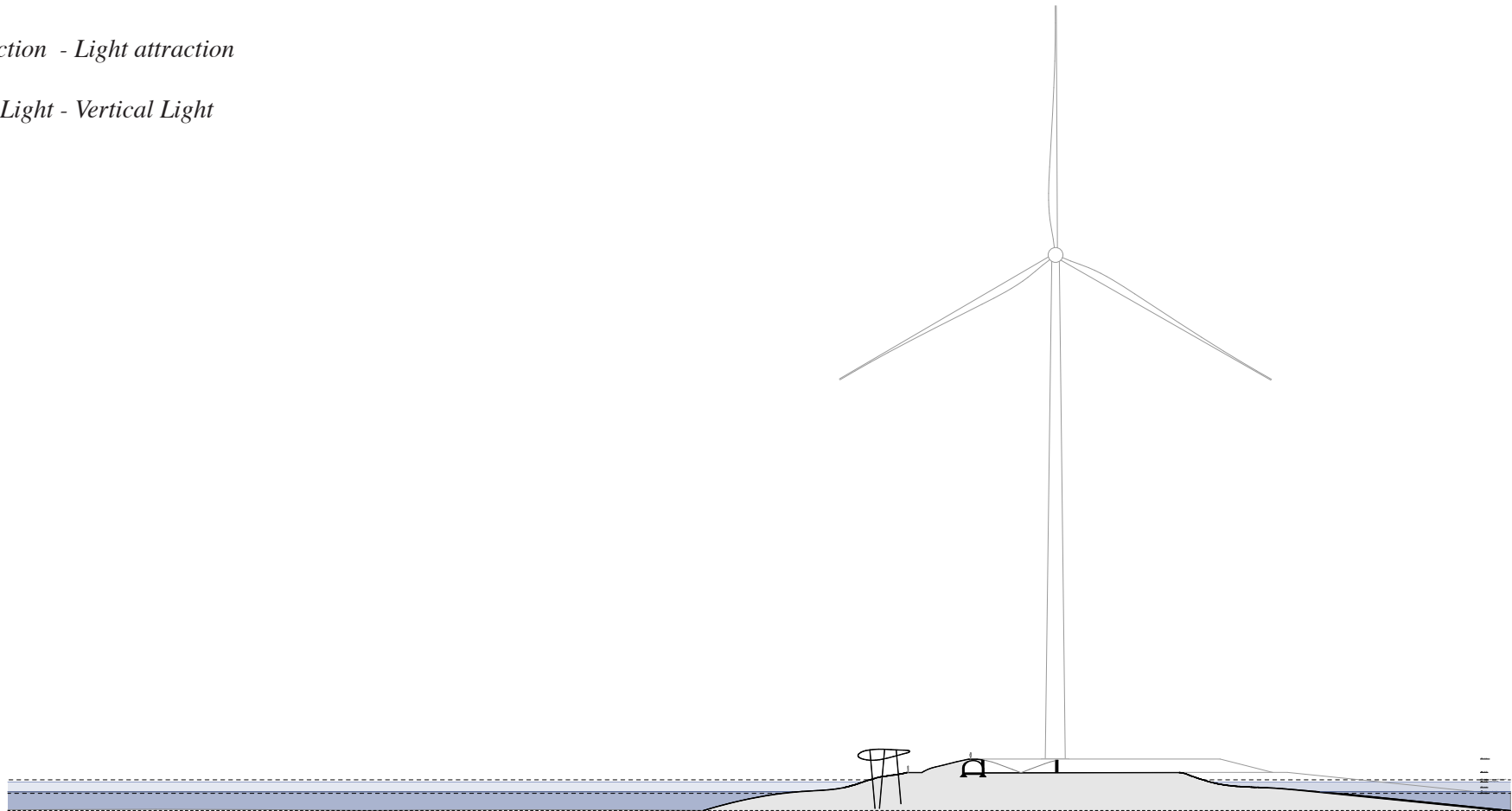
Balance between the ateliers at both sides of the dike

Light - Heavy

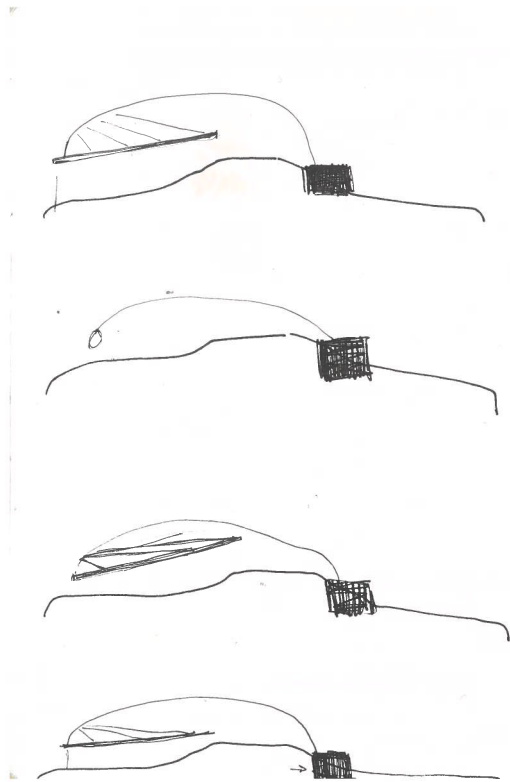
Orientated outward - orientated inward

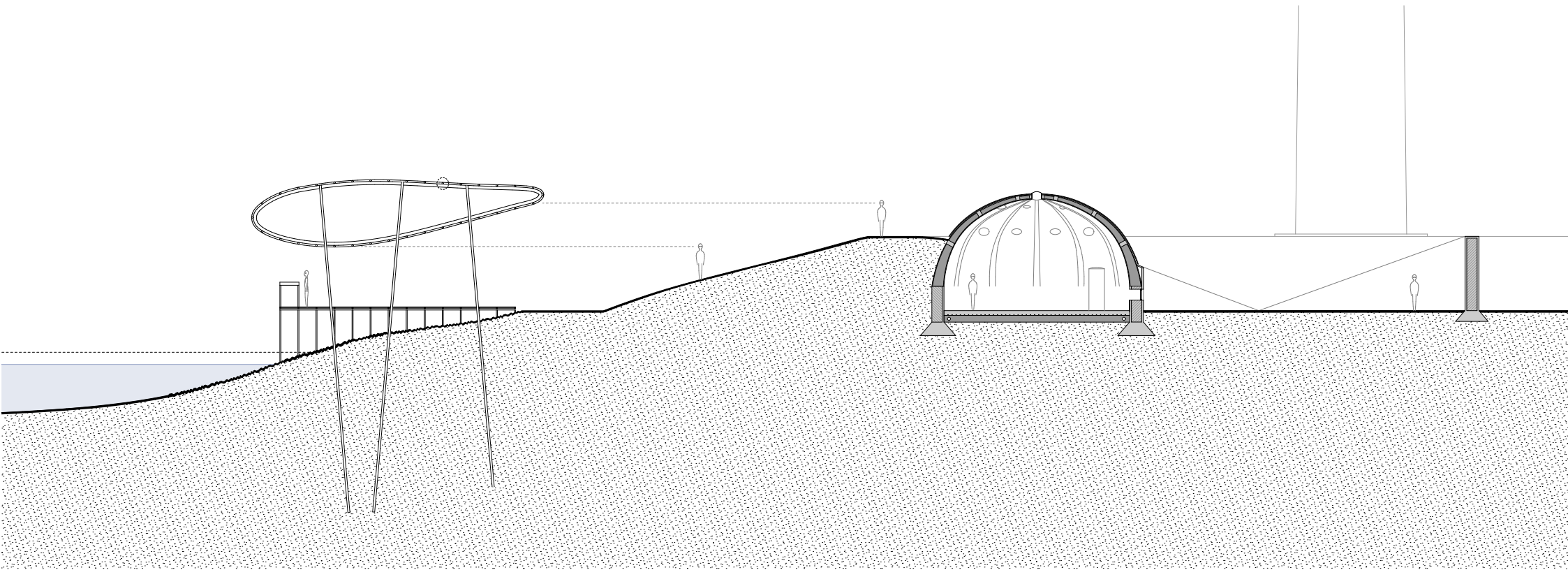
Light protection - Light attraction

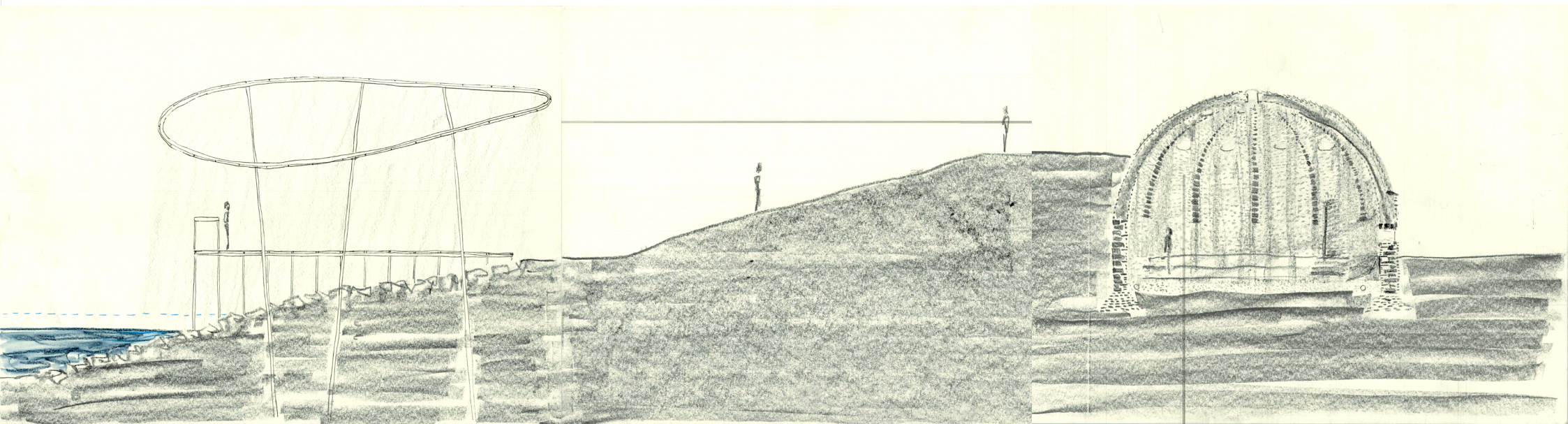
Horizontal Light - Vertical Light









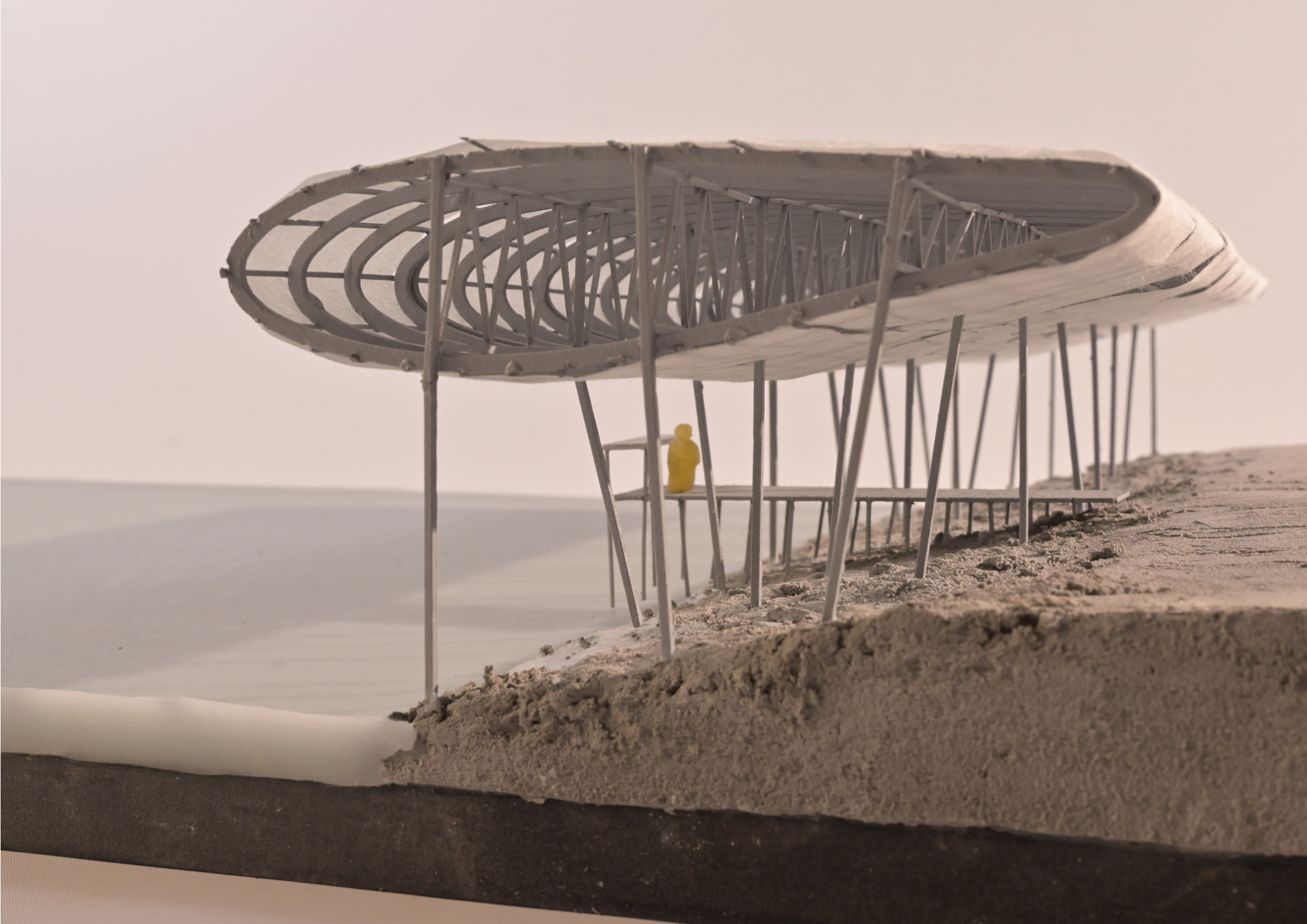


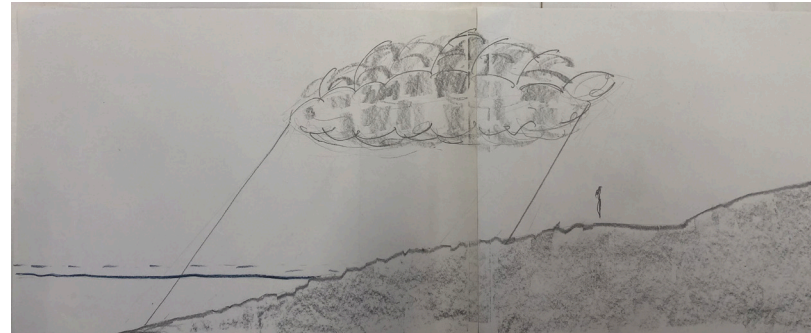


Atelier under cloud roof

- *Shelter to light*
- *Addresses the horizontal light*

- *Always accessible because situated in the open air*
- *Roof gives protection to water and light, but no protection to the wind*

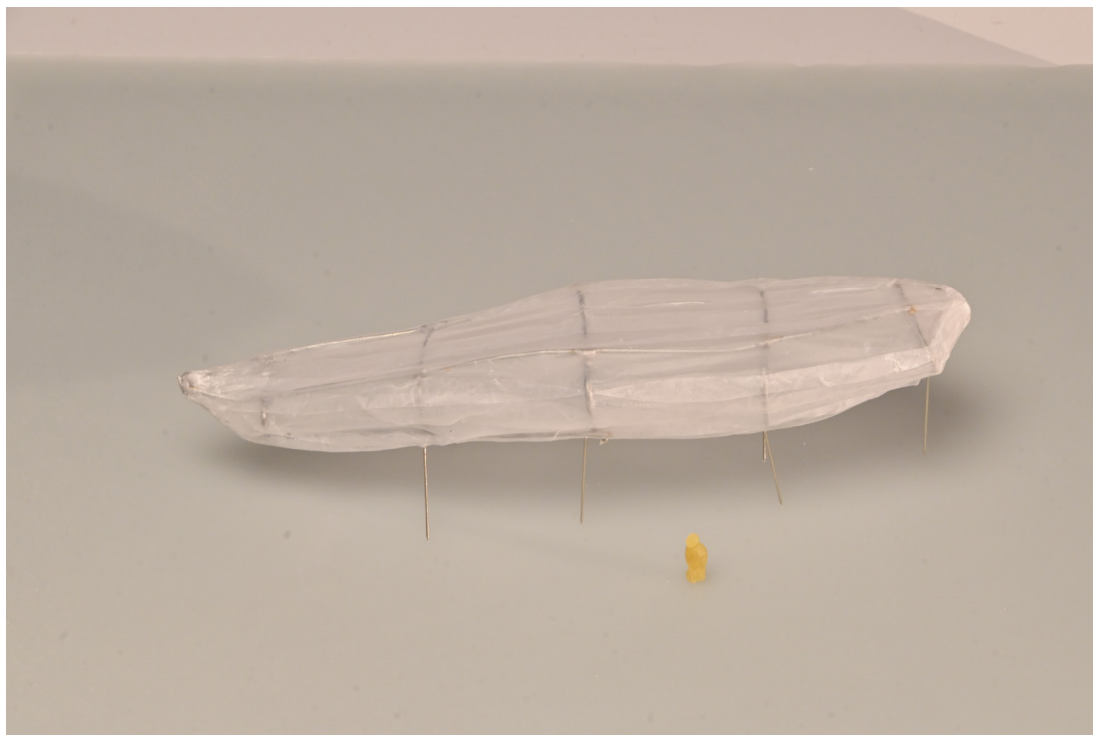




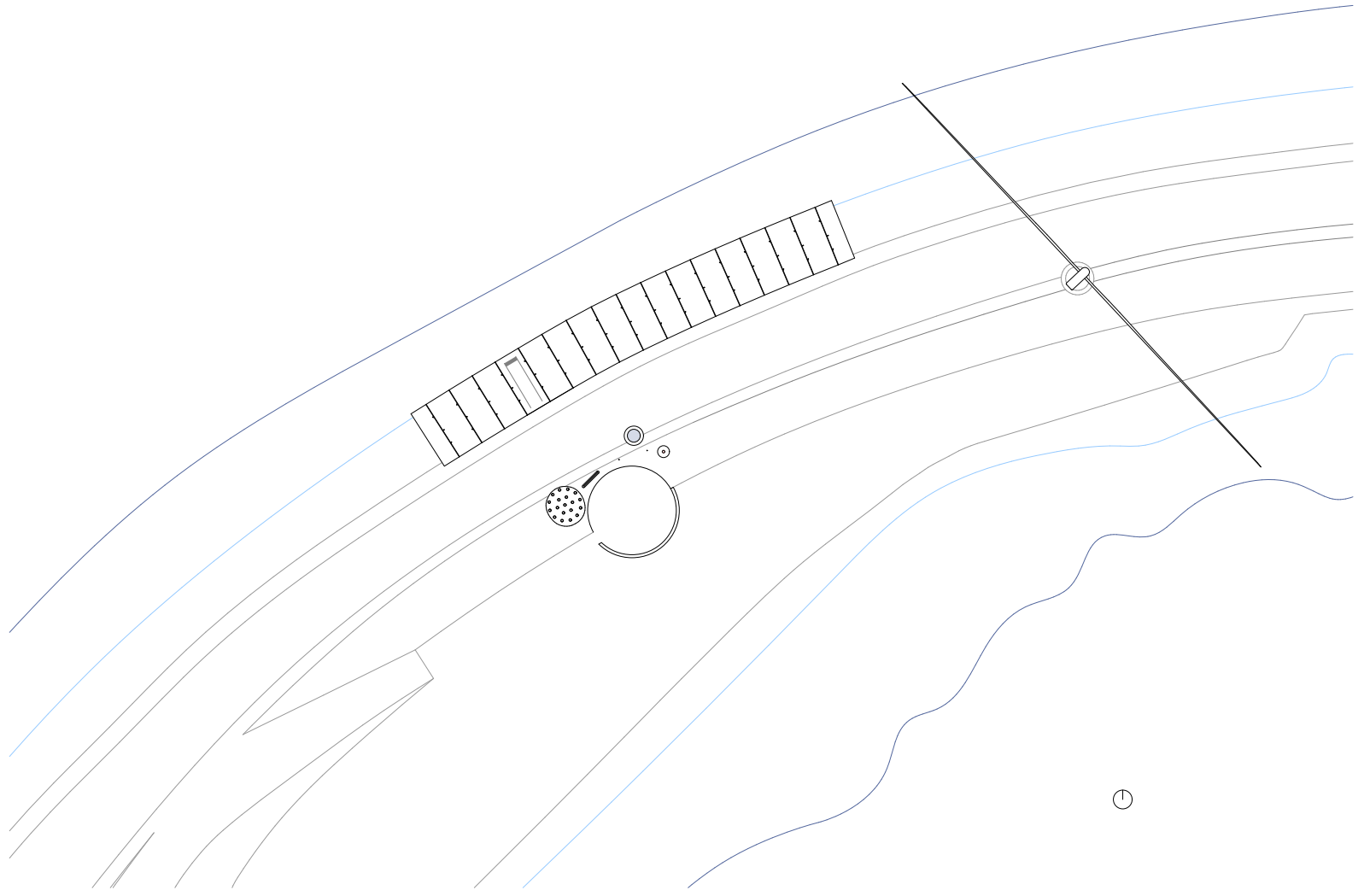
Light structure blowing in the wind, casting a shadow







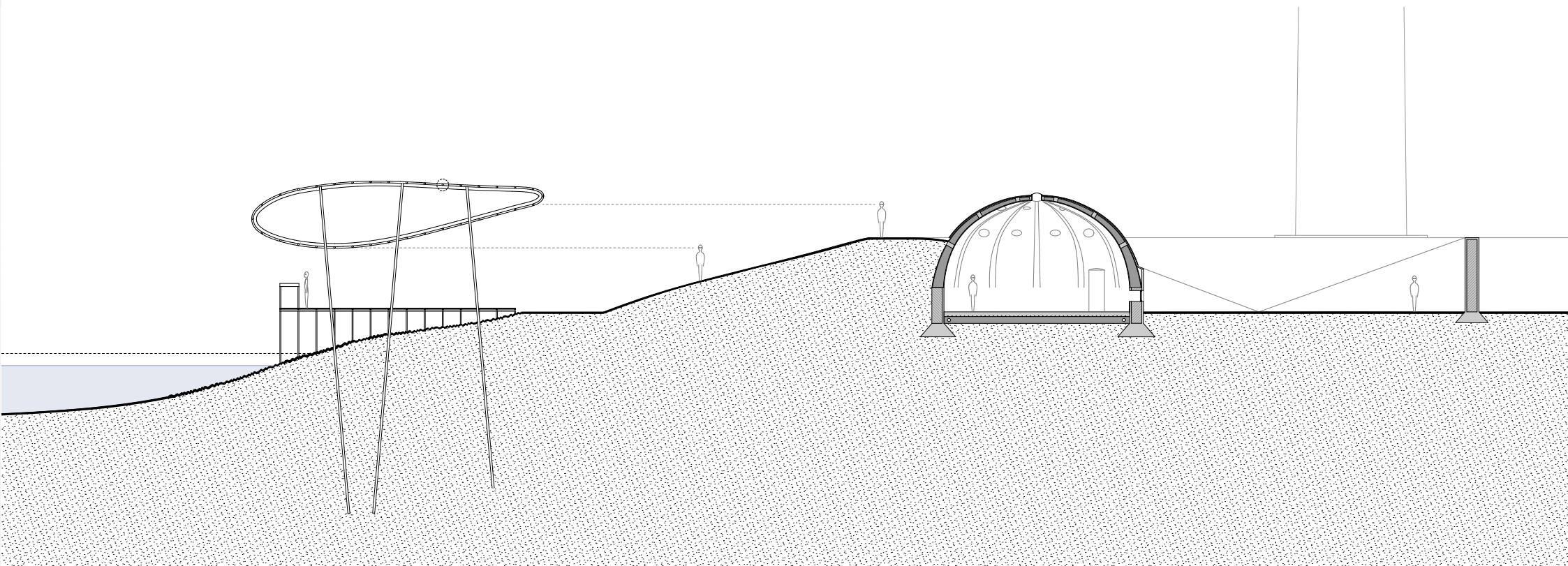
Grew in size and walks along the curved dike





Reference to wing of windmill



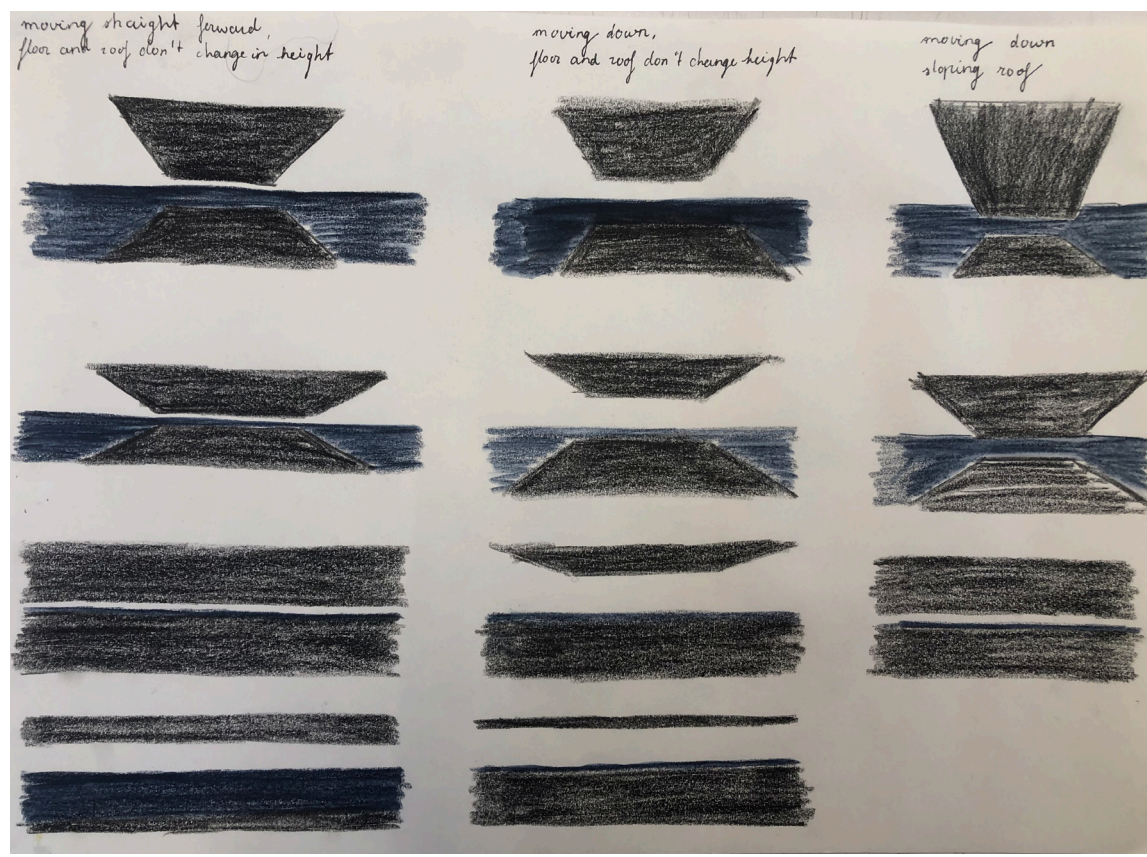
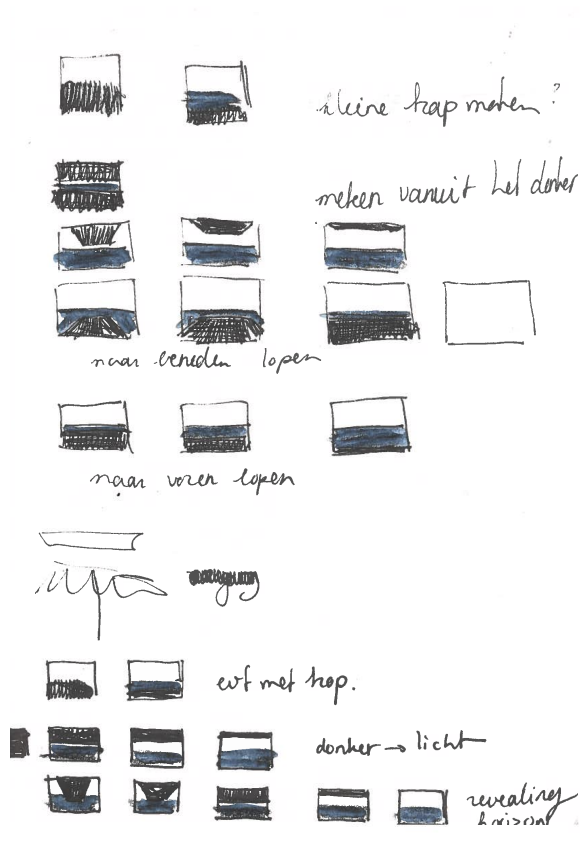


Underneath roof a metal table to work from: magnets hold paper from wind

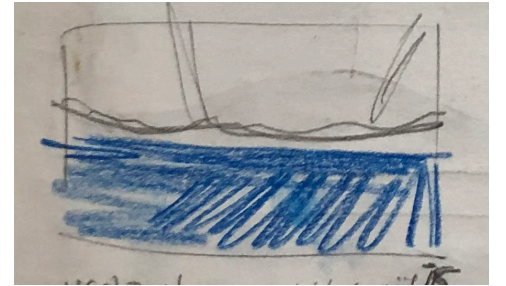
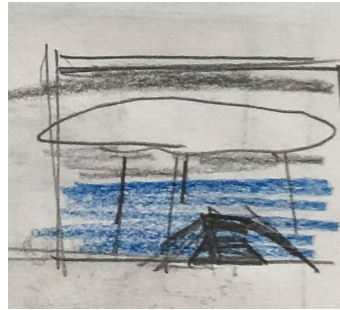
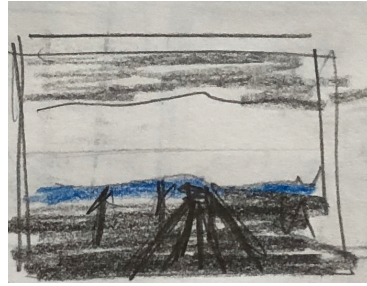
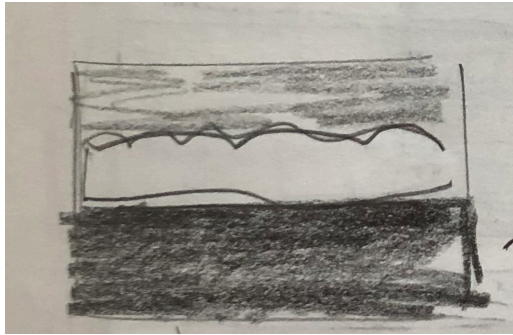
Walking towards table from the top of the dike repeats special moment of the place: when the horizontal line of the dike meets the horizontal line of the water

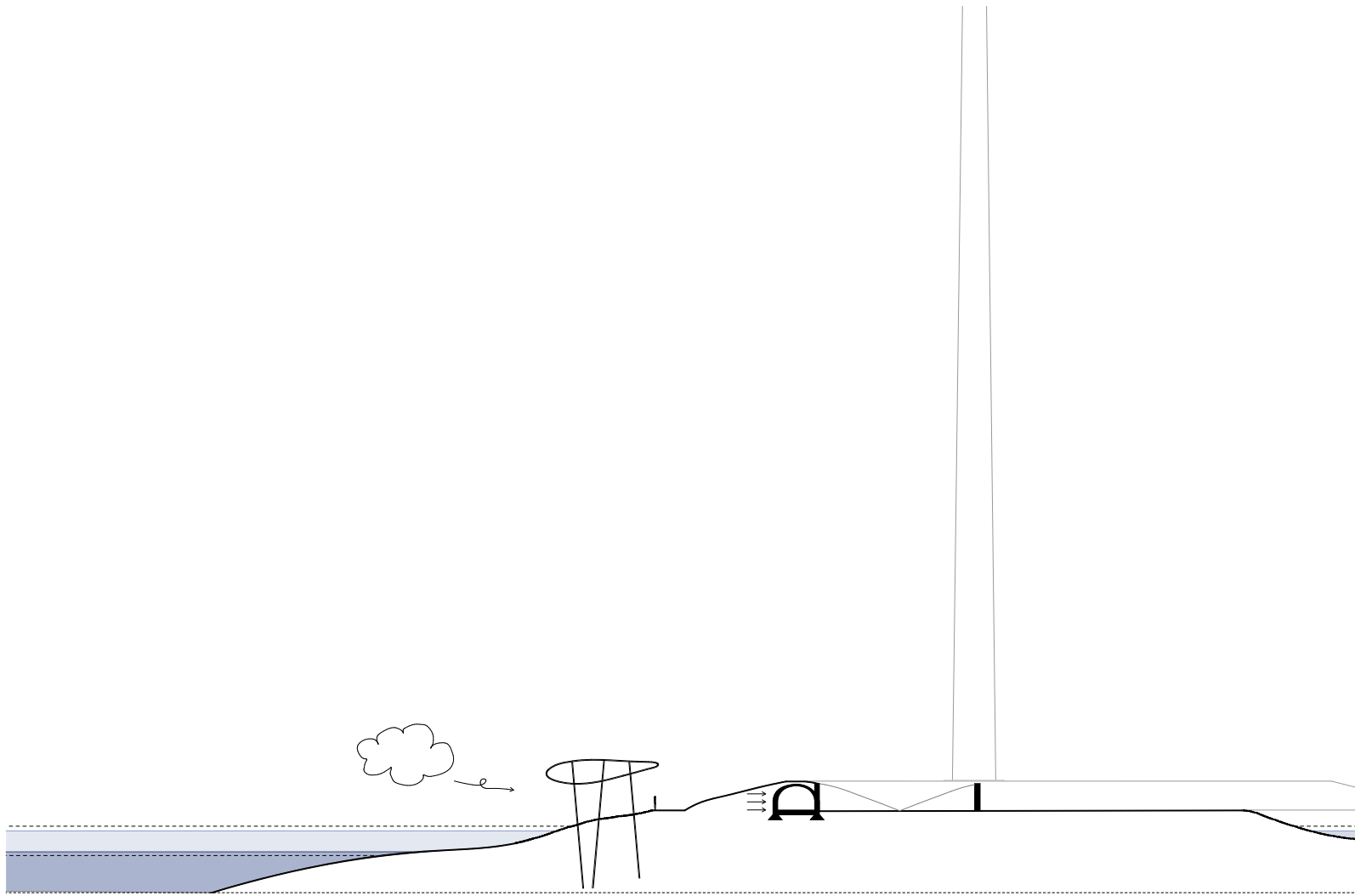






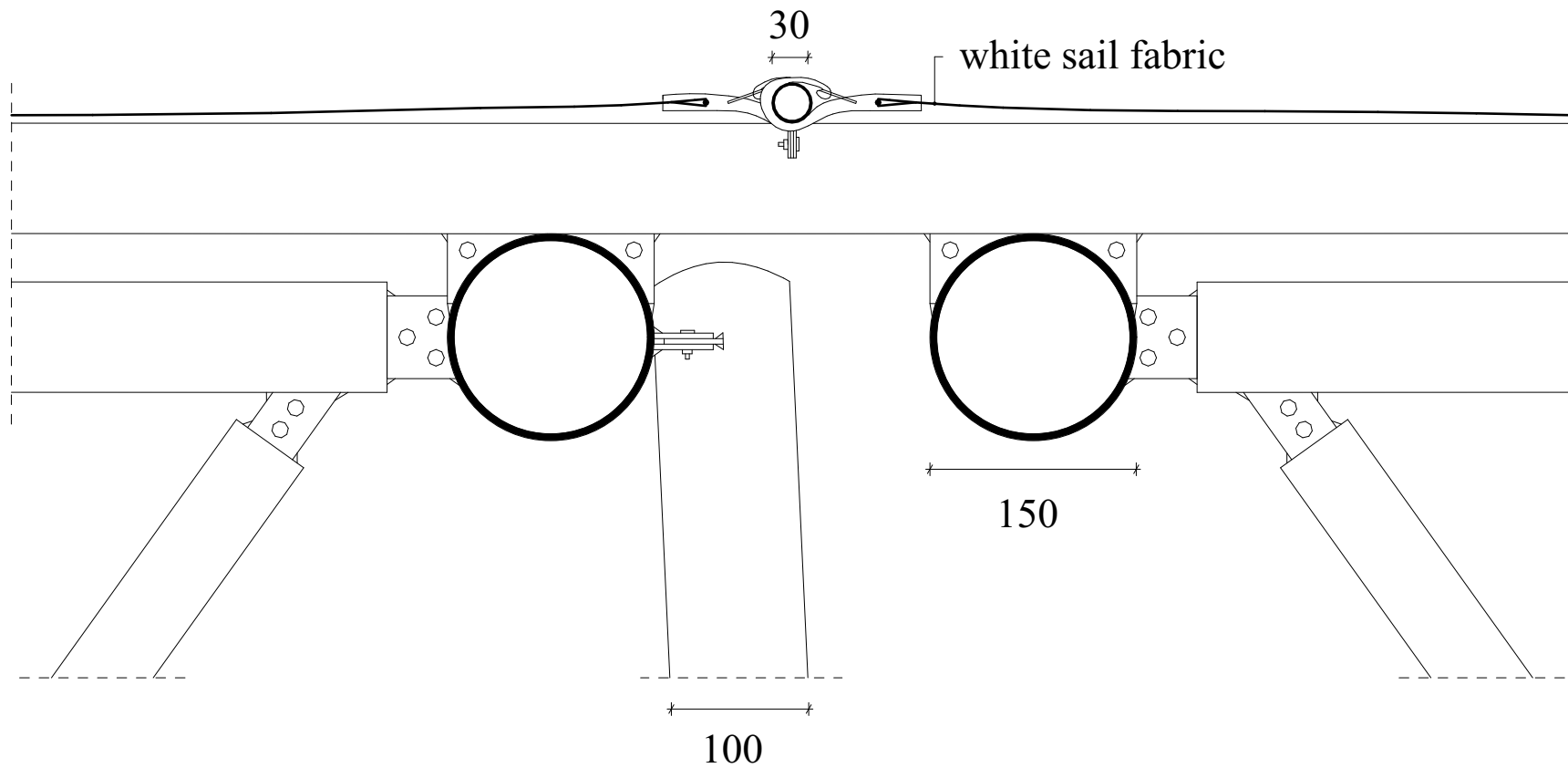
Research relation hovering horizontal plain and horizon





Legs angled to compensate wind forces

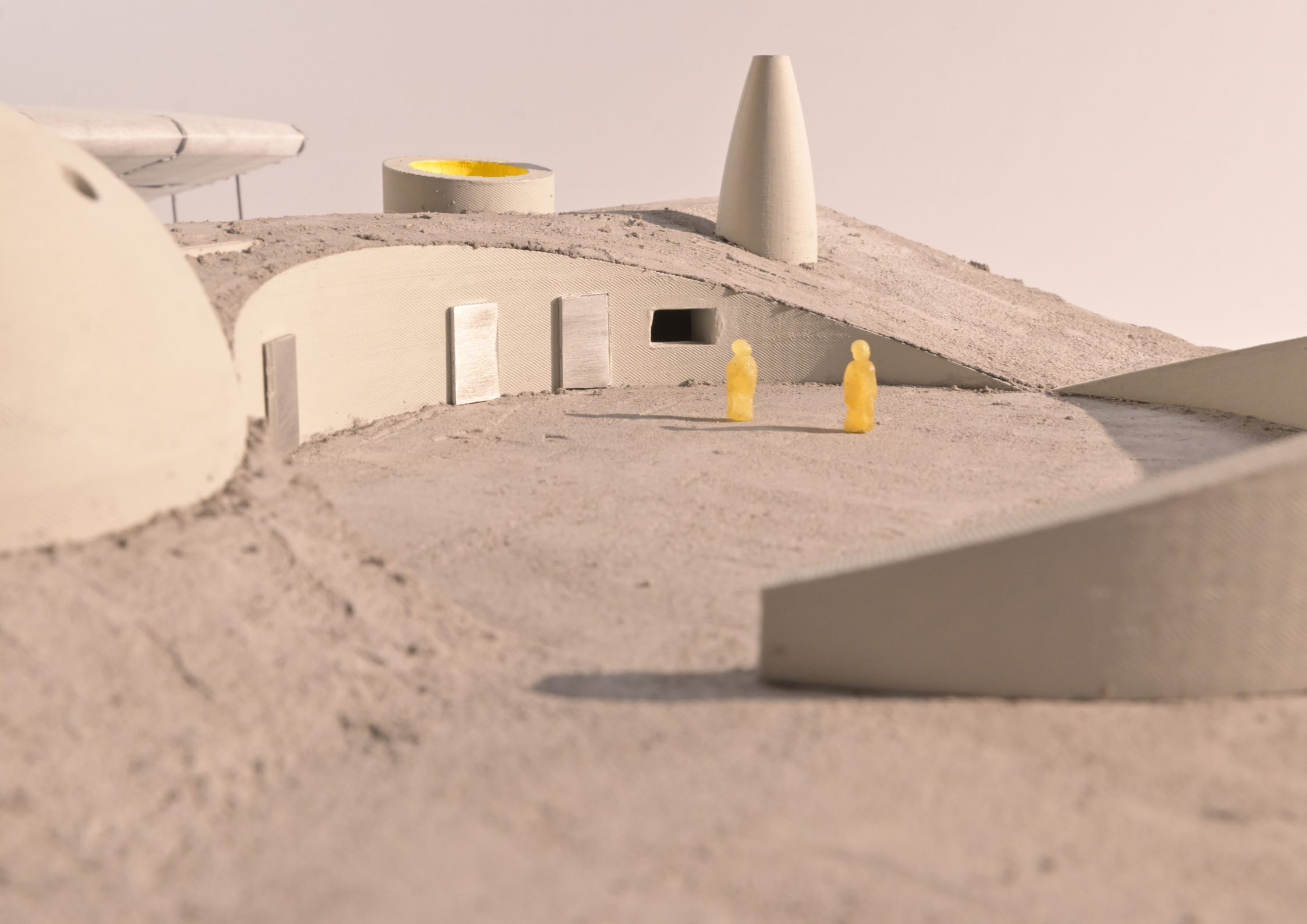
Construction principle



Atelier embraced by wall

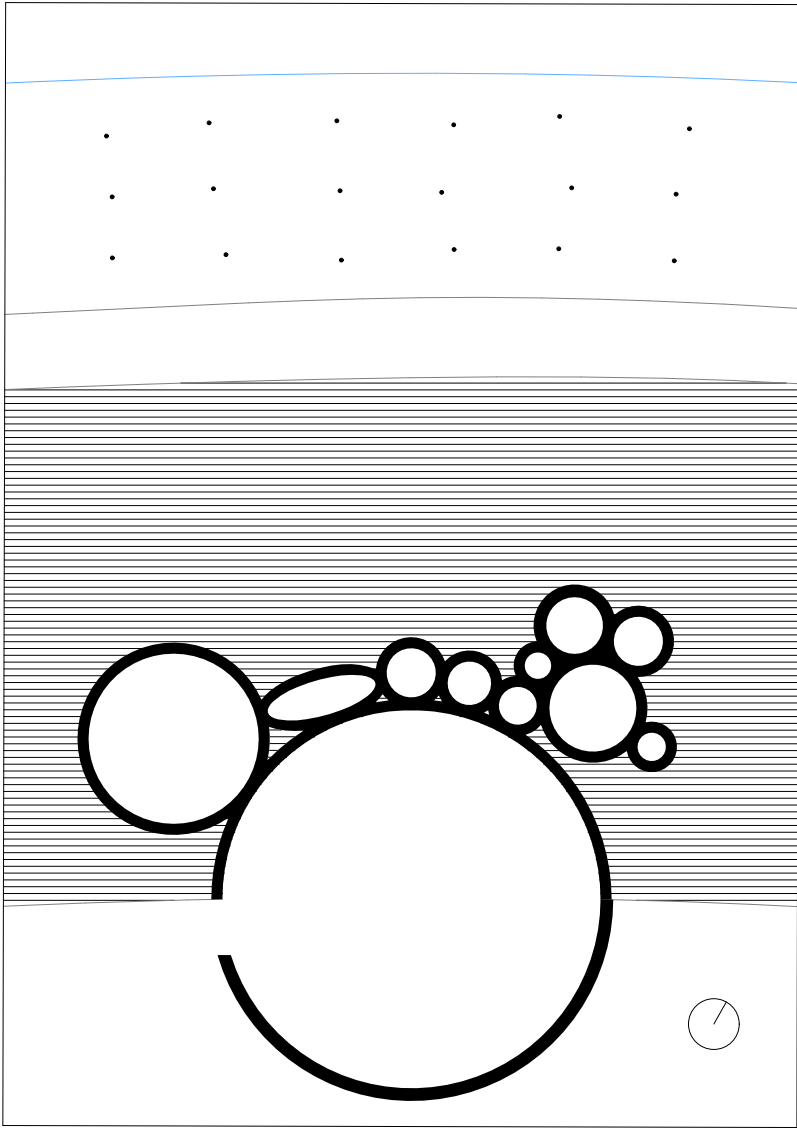
- *Experience of unfiltered natural light*
- *Addresses the vertical light*
- *Light warms*

- *Always accessible because situated in the open air*
- *Wall gives protection to wind but no protection to the water and light*

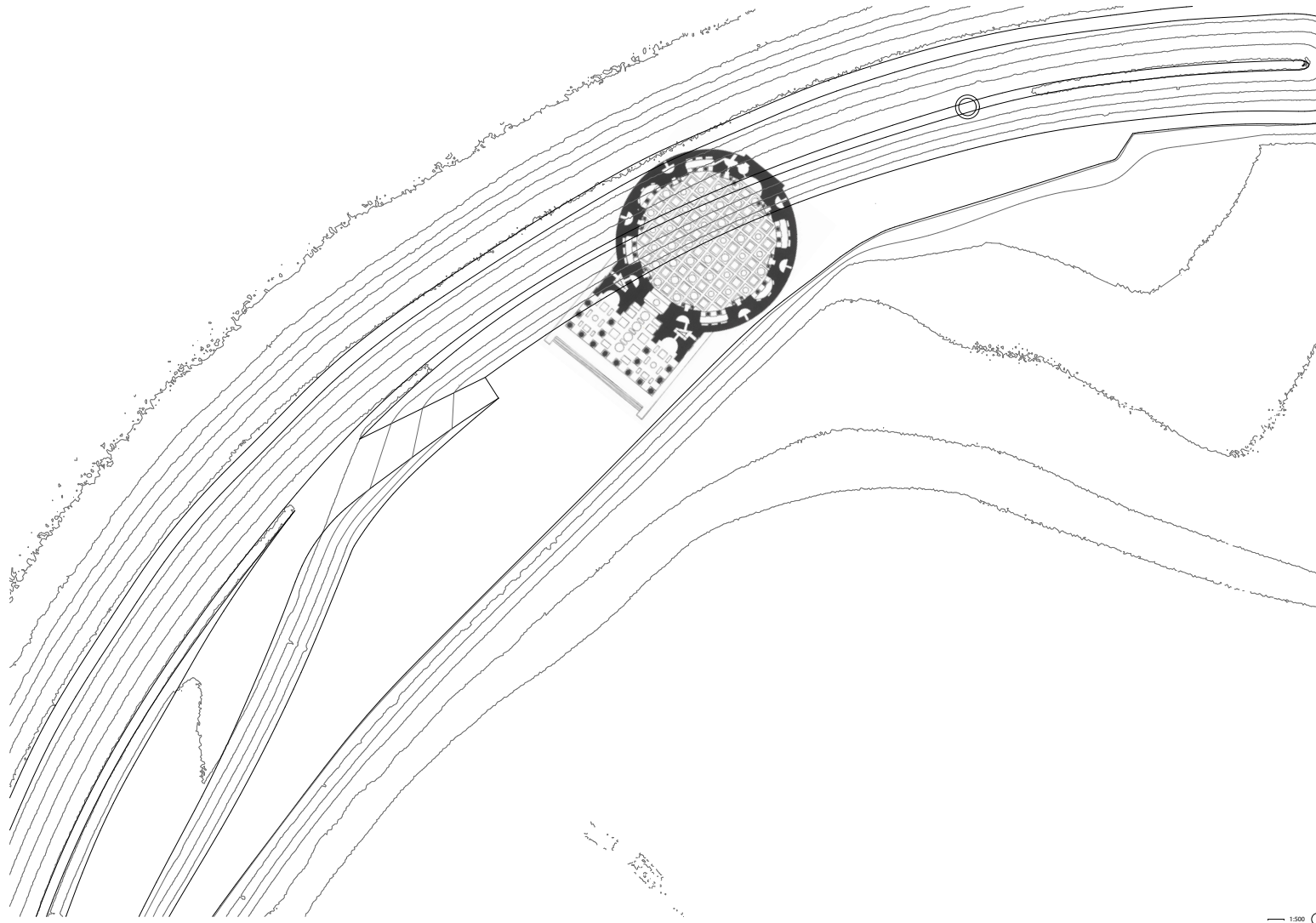




Takes bite out of the dike and mirrors the wall, to create a circular square

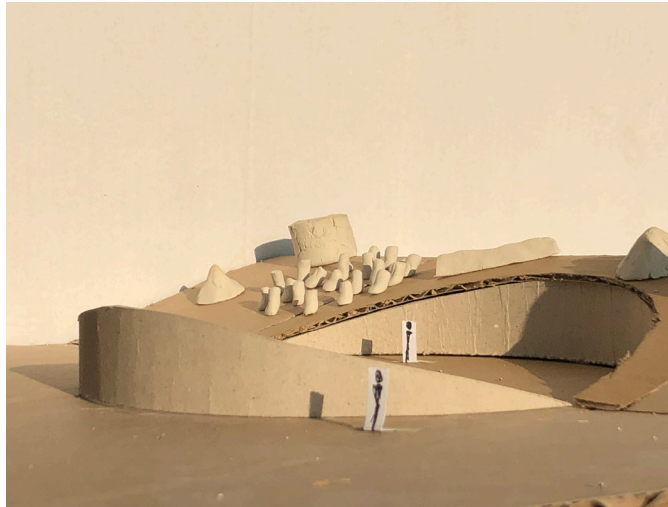


Follows embracing shape of the Vluchthaven dike in a more approachable human scale: protected against wind, warmed by light



Round shape is the most neutral form to see the light walking in time

Light warming and walking



Curved shape of the wall creates a shadow gradient, through which the light walks away



Enclosed square directs gaze up: towards the sky

Atelier inside dike

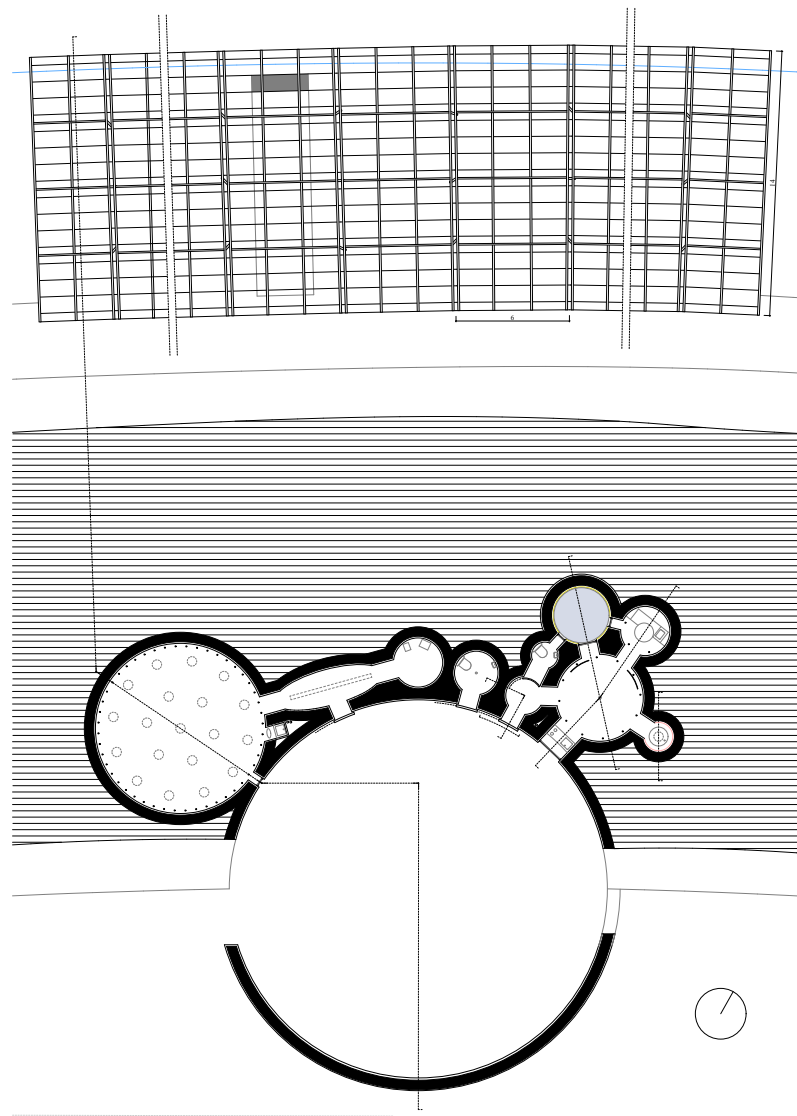
Dwelling artist in residence

- *Direct the light*
- *Big contrast between dark and light, dramatic lighting*
- *Address the vertical light*

- *Embedded in the dike*
- *Protection to wind and water, intensification of light*







Use of the atelier and dwelling

Light inhalation, *tragaluz*



Perforations in dike to take in the light

Research in minimum space and specific roof light to function

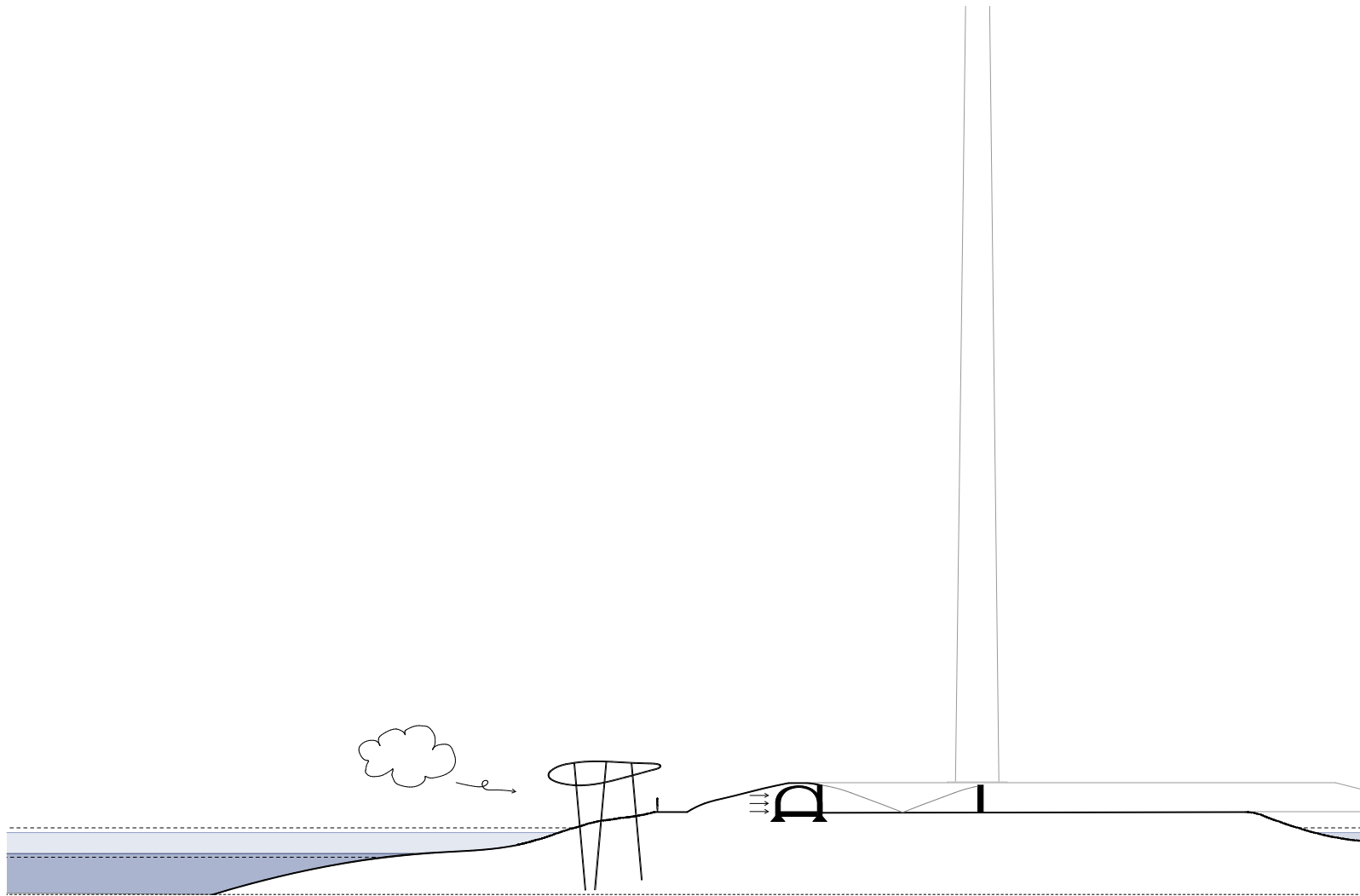




Making the dike porous, life erupts

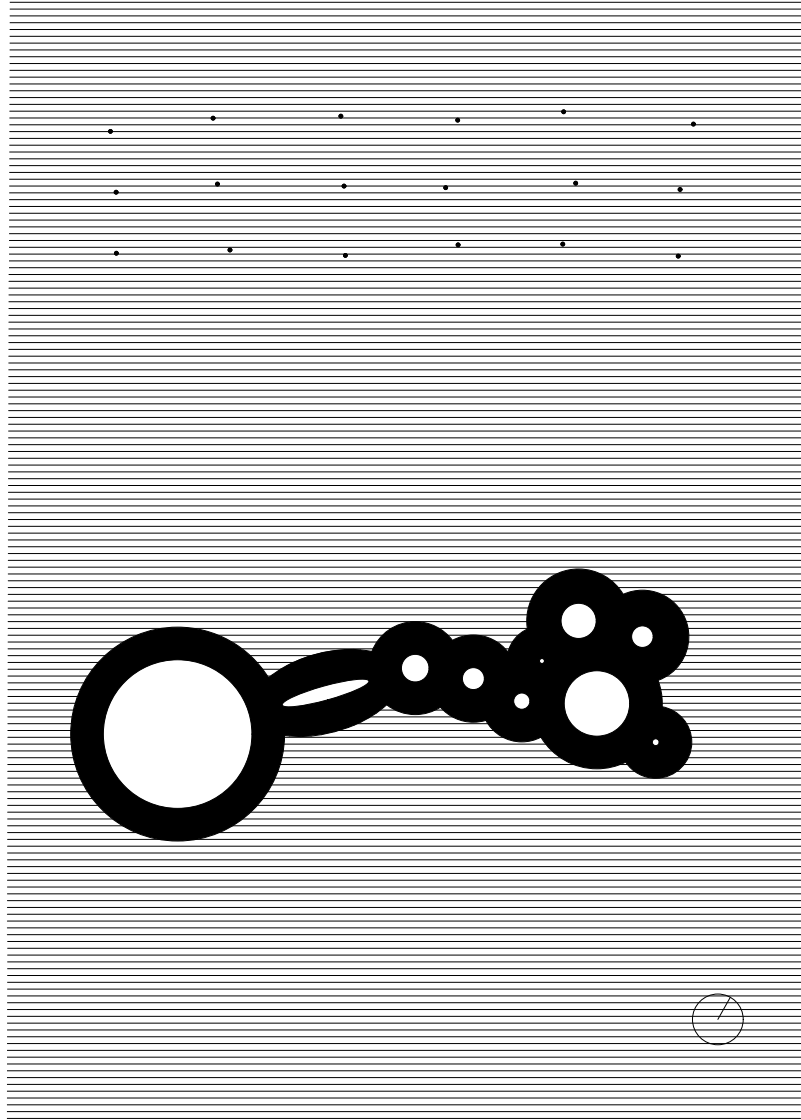


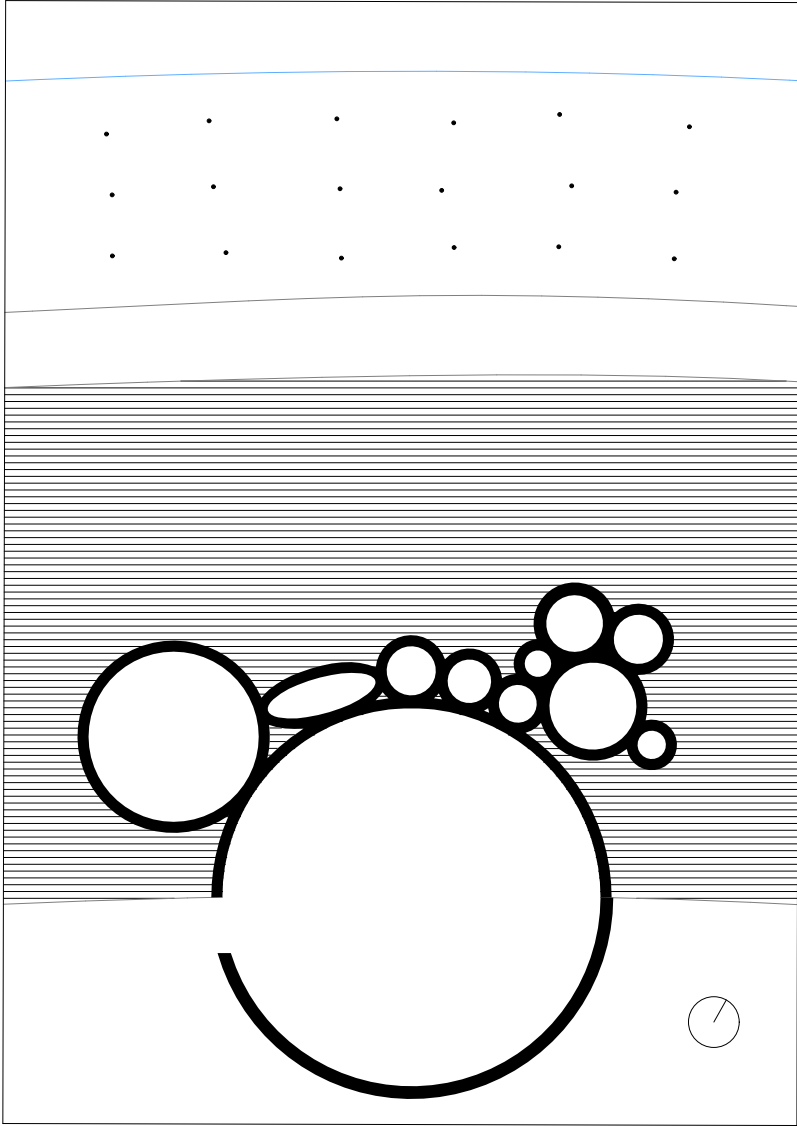
Making perforations in dike follows absurdity of the place: redirecting natural forces

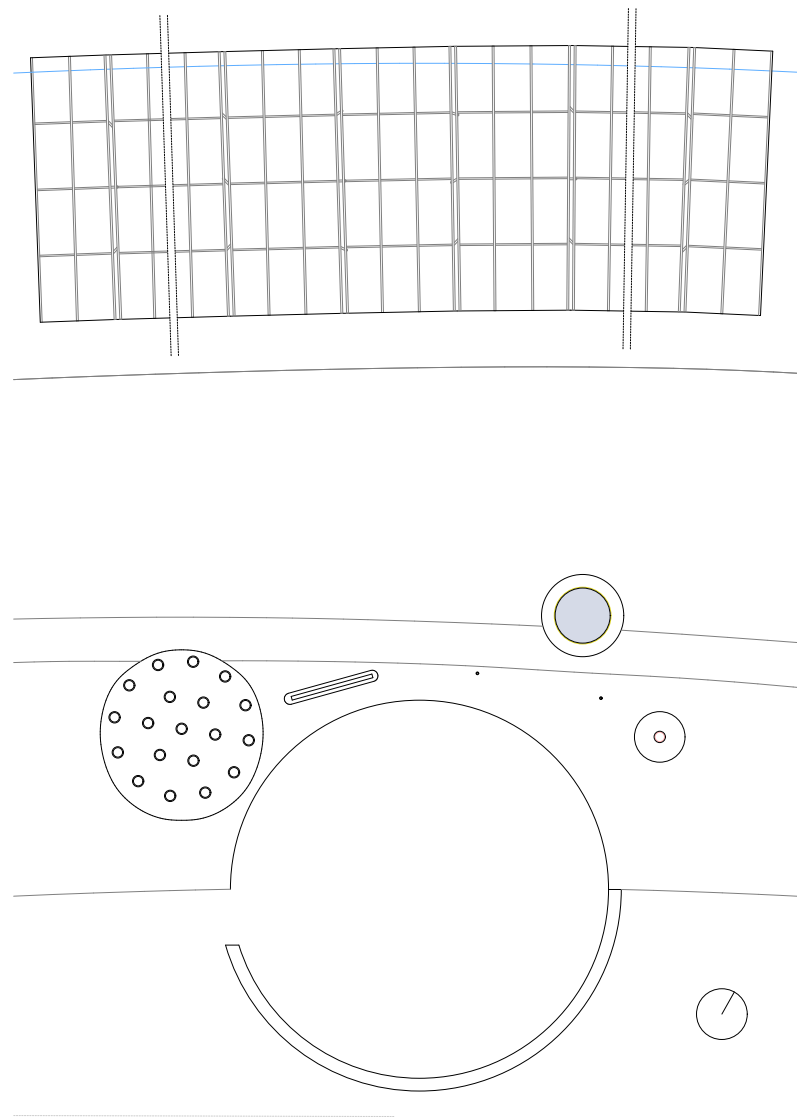


Form comes from construction; cell structure with cupola roof to compensate against perforations in dike, and hold the wall

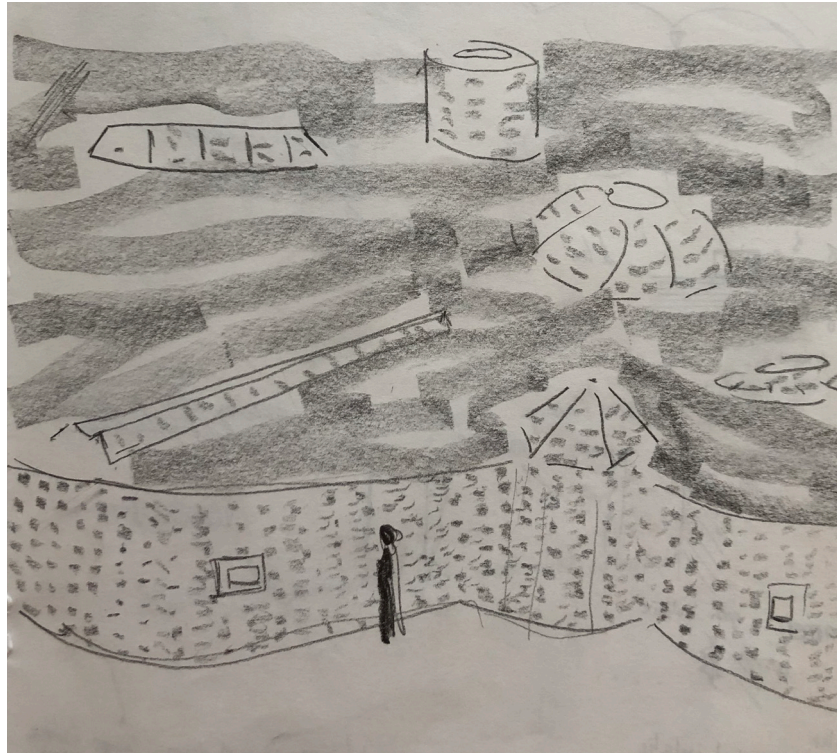
Construction principle







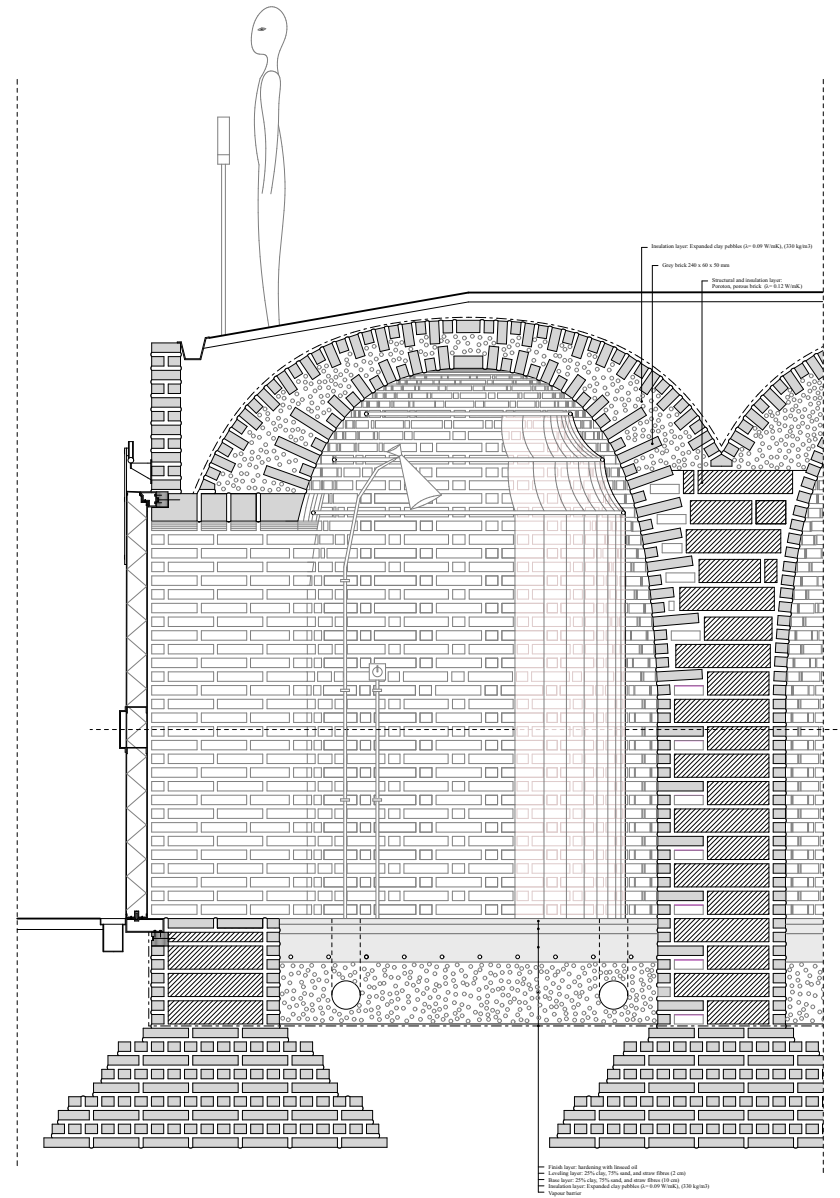
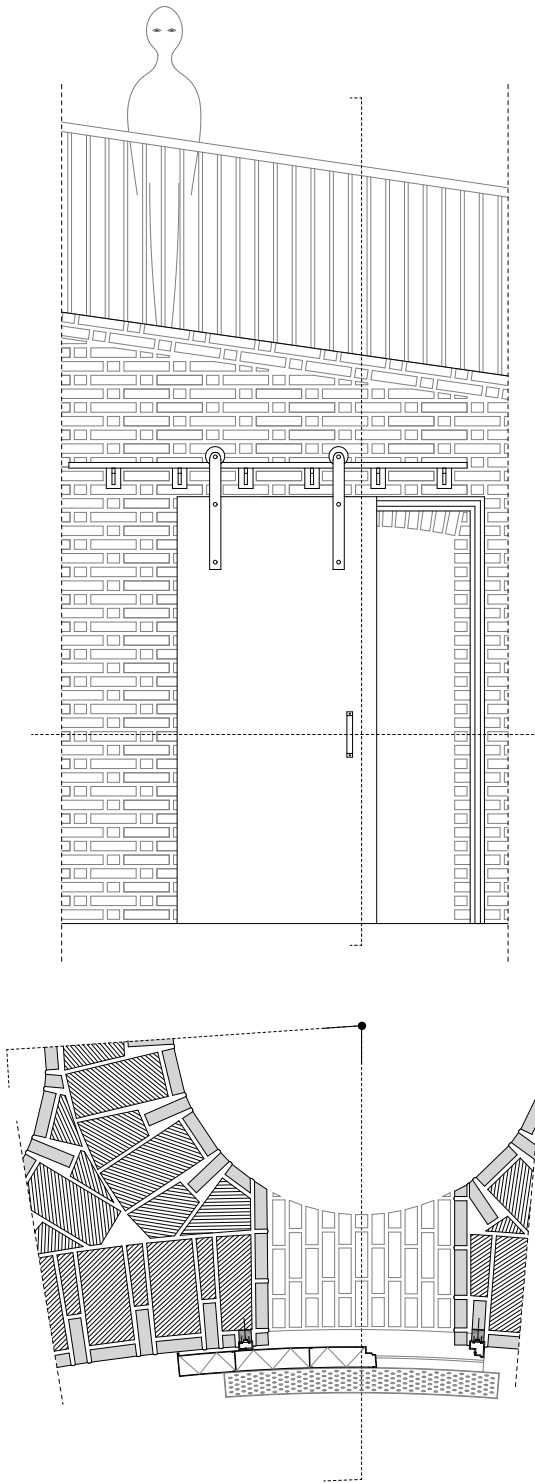




Cupolas popping out of the dike: suspense of revealing what is underneath the dike

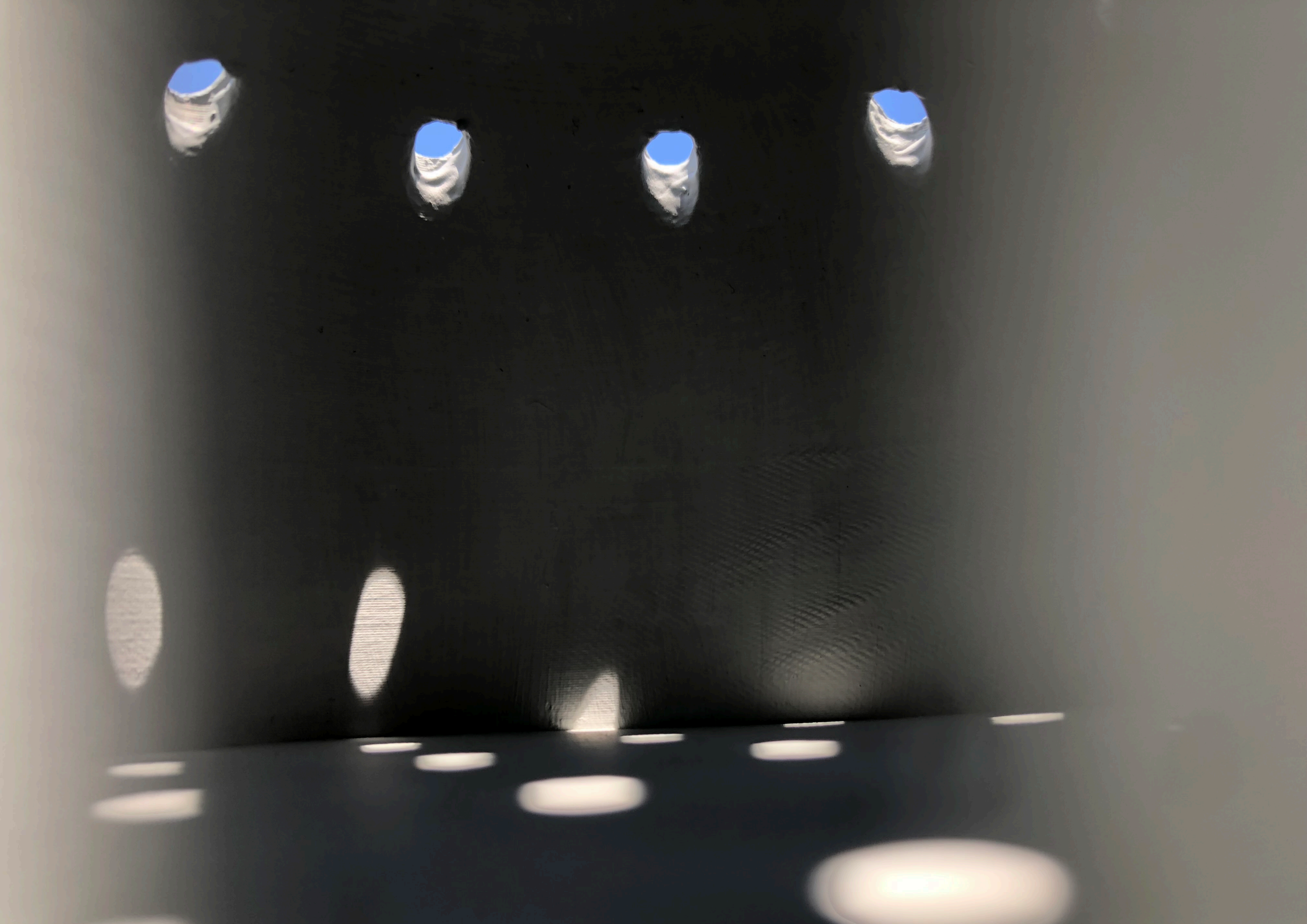


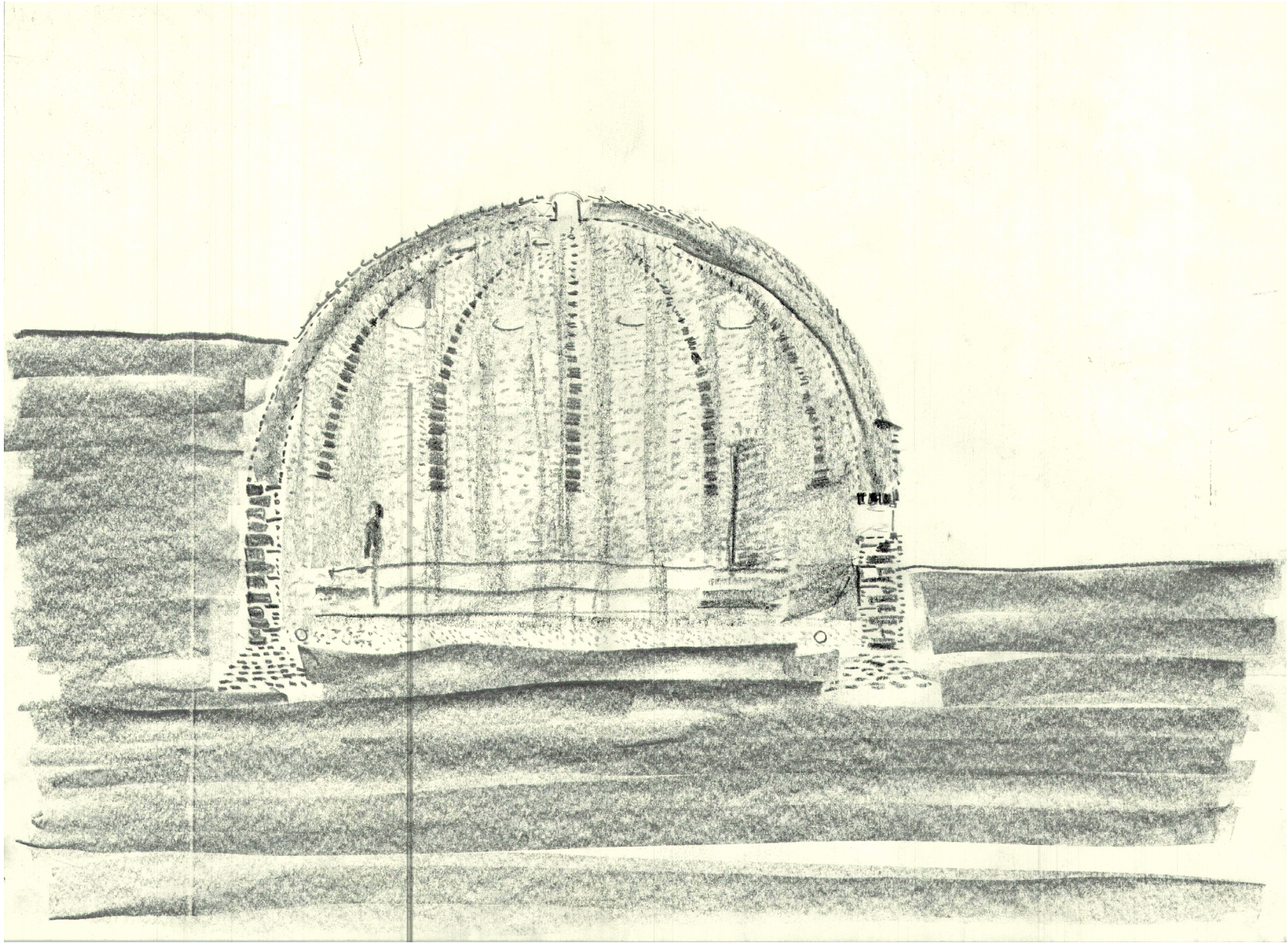
Reference to cupola shelves on rocks
Cupolas protecting warm, fragile inside









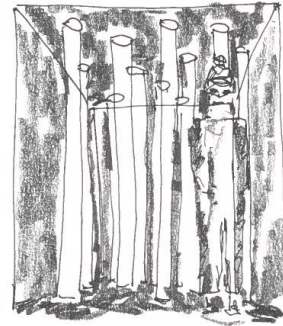
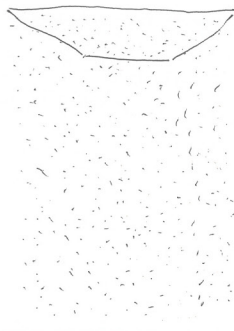


Light shower

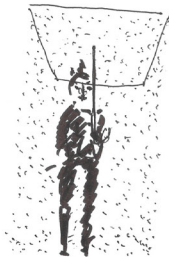
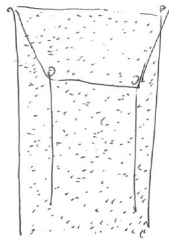


Atelier asks for bath of light, so roof is heavily perforated





LIGHT SHOWER

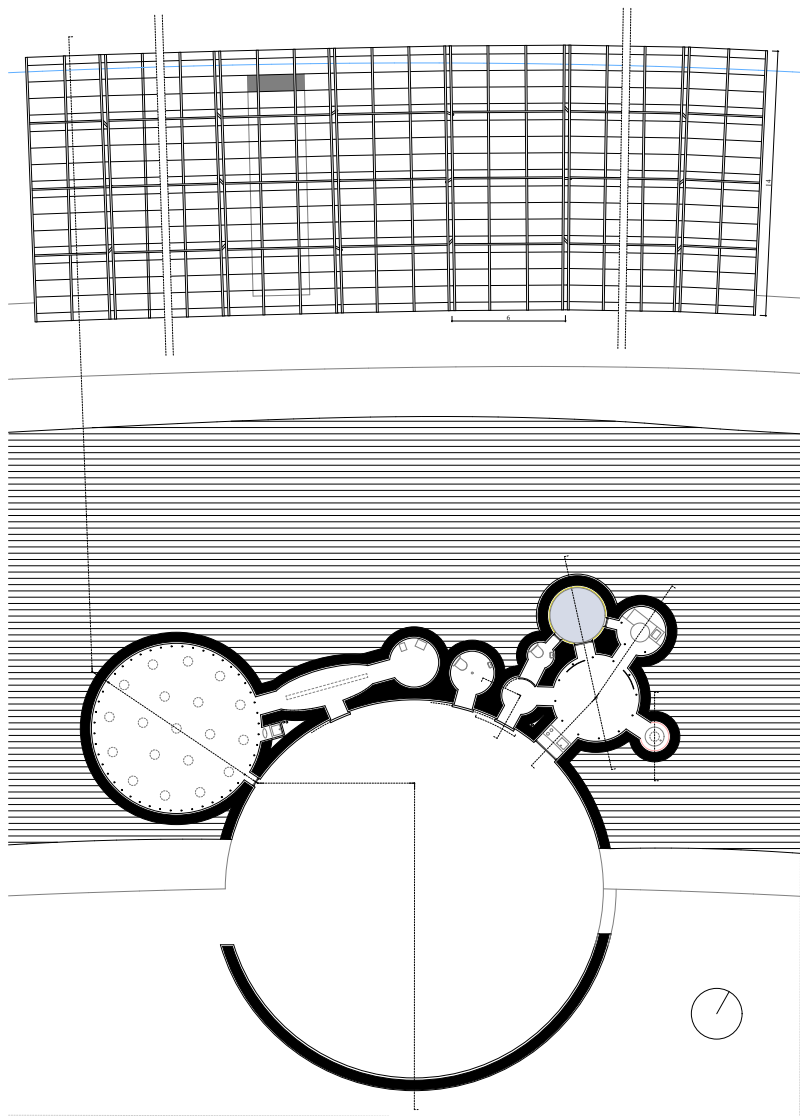


sand shower

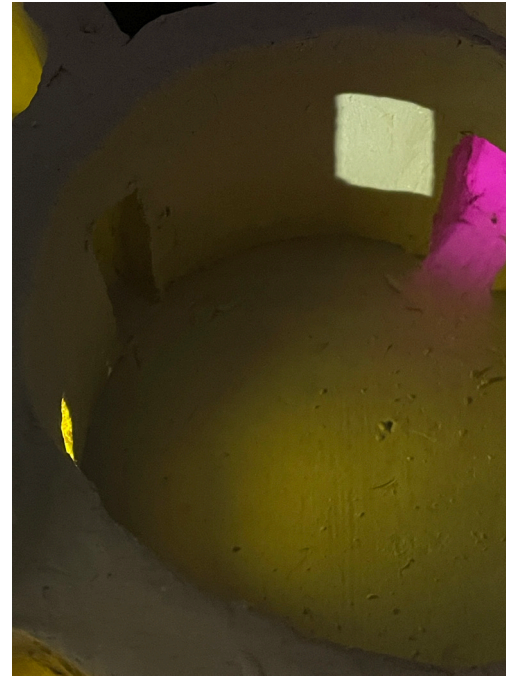
sand shower > light shower > light shelter

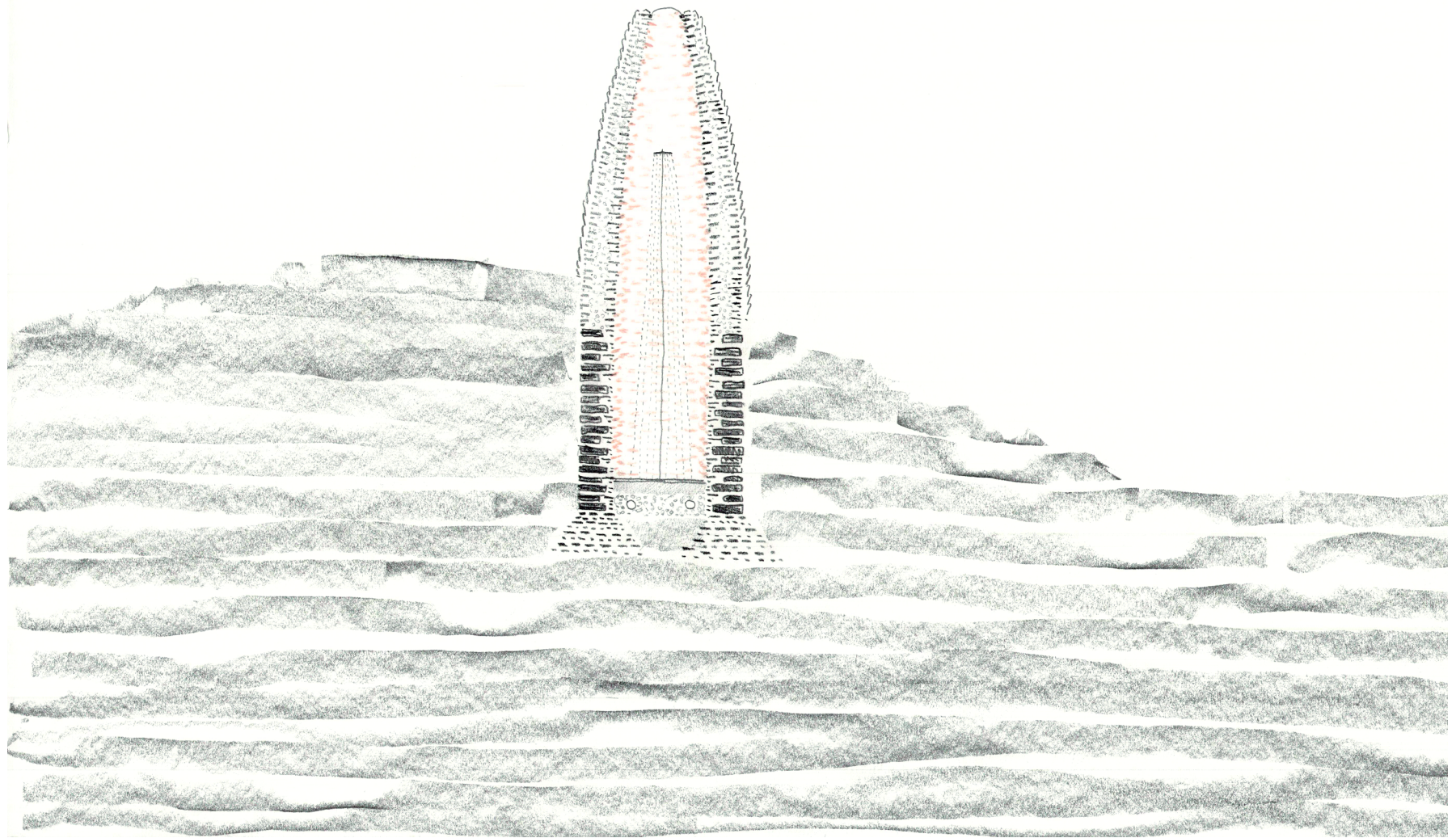




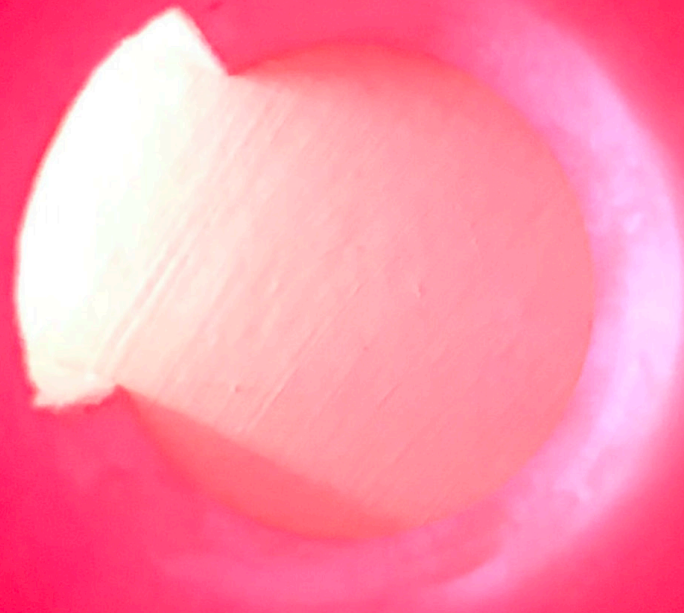


Light mixing





Light surrounding

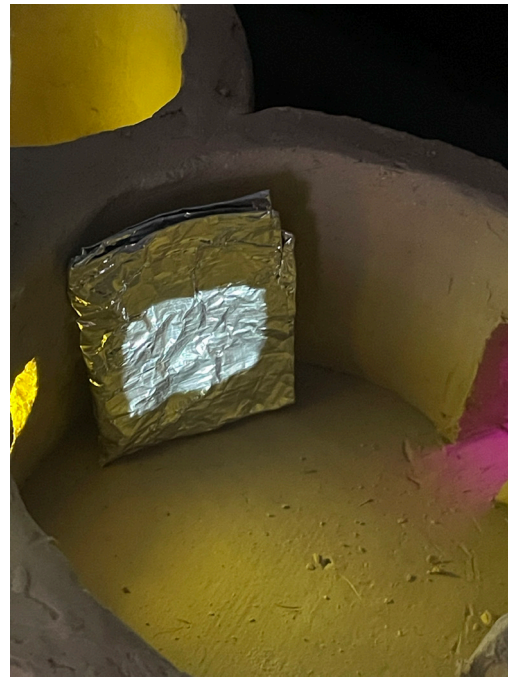
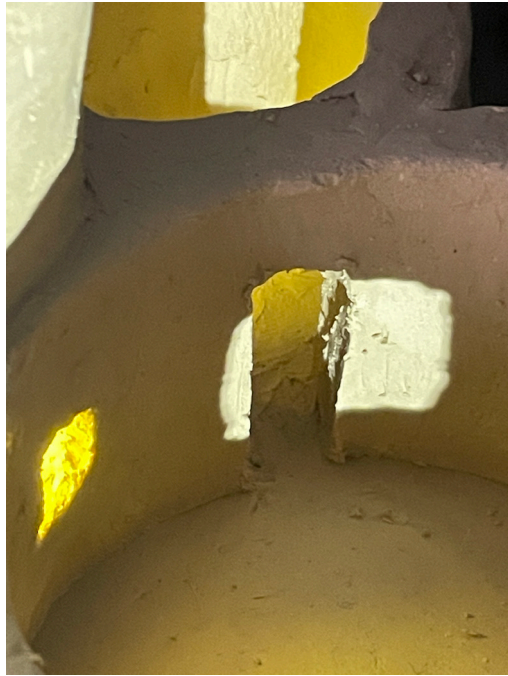


Light
colouring

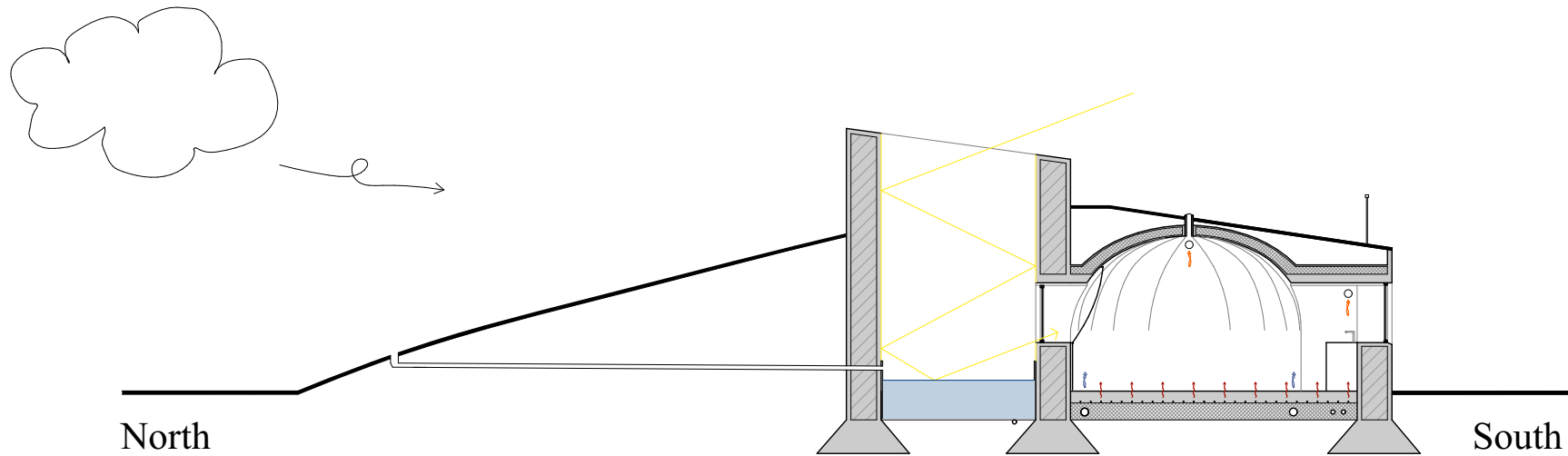
Light
glowing

Light
reflecting





Light bouncing



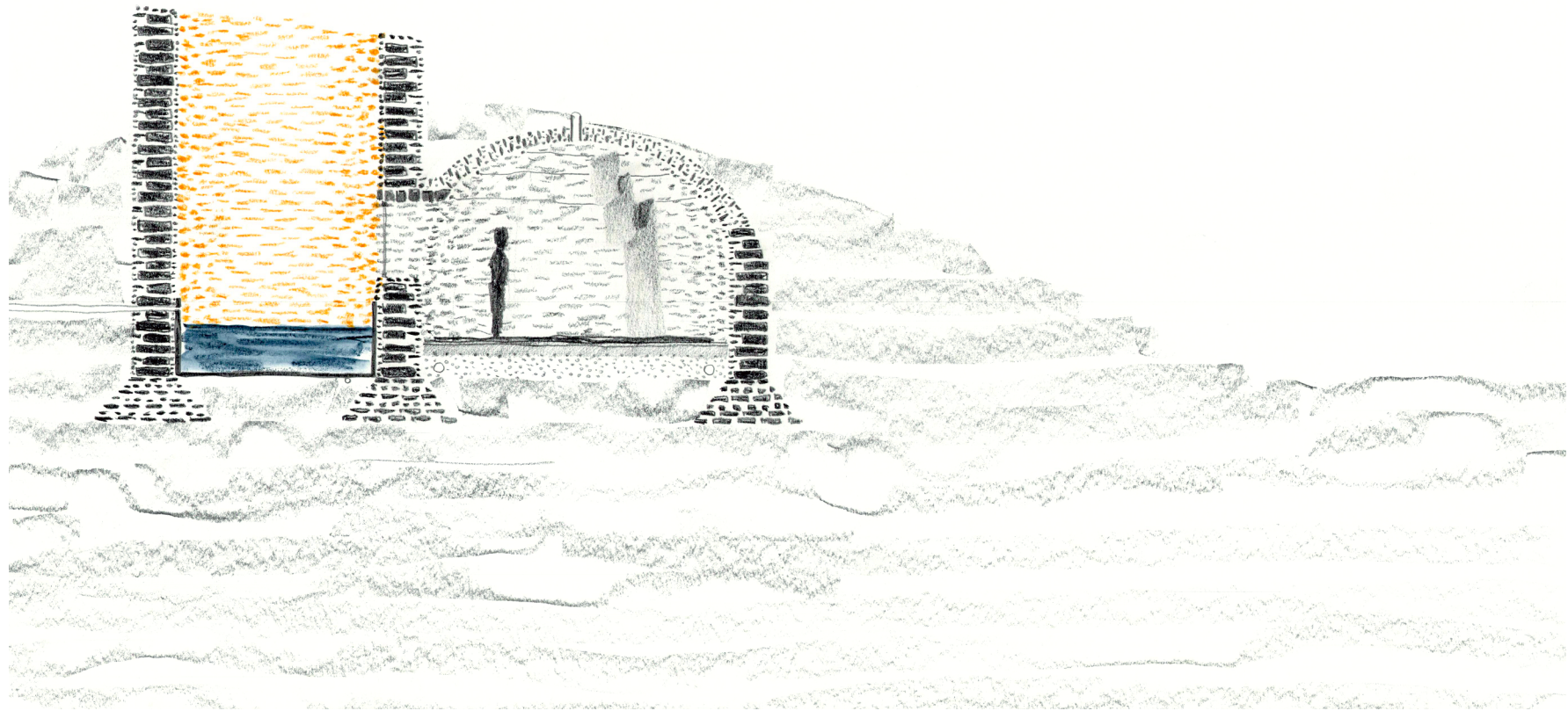
Energy for heat radiation and ventilation system comes from surrounding windmills

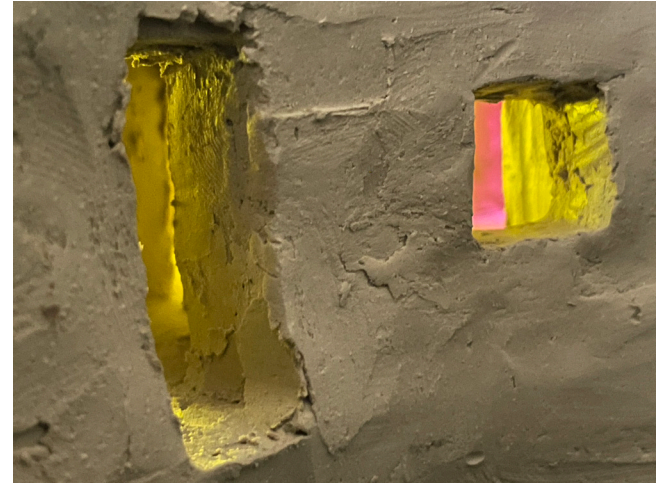
Water falling on the dike is collected into a well. The water functions as a reflector for light, and is used to flush the toilets

Ventilation system D with heat recovery: foul air passes heat exchange device in technical room before leaving the building

Possibility to hang curtains against interior wall, for acoustics and better insulation in winter

The floor and walls are insulated with clay material. The floor and cupola roofs are insulated with clay pebbles, the walls are insulated with poroton (perforated brick)

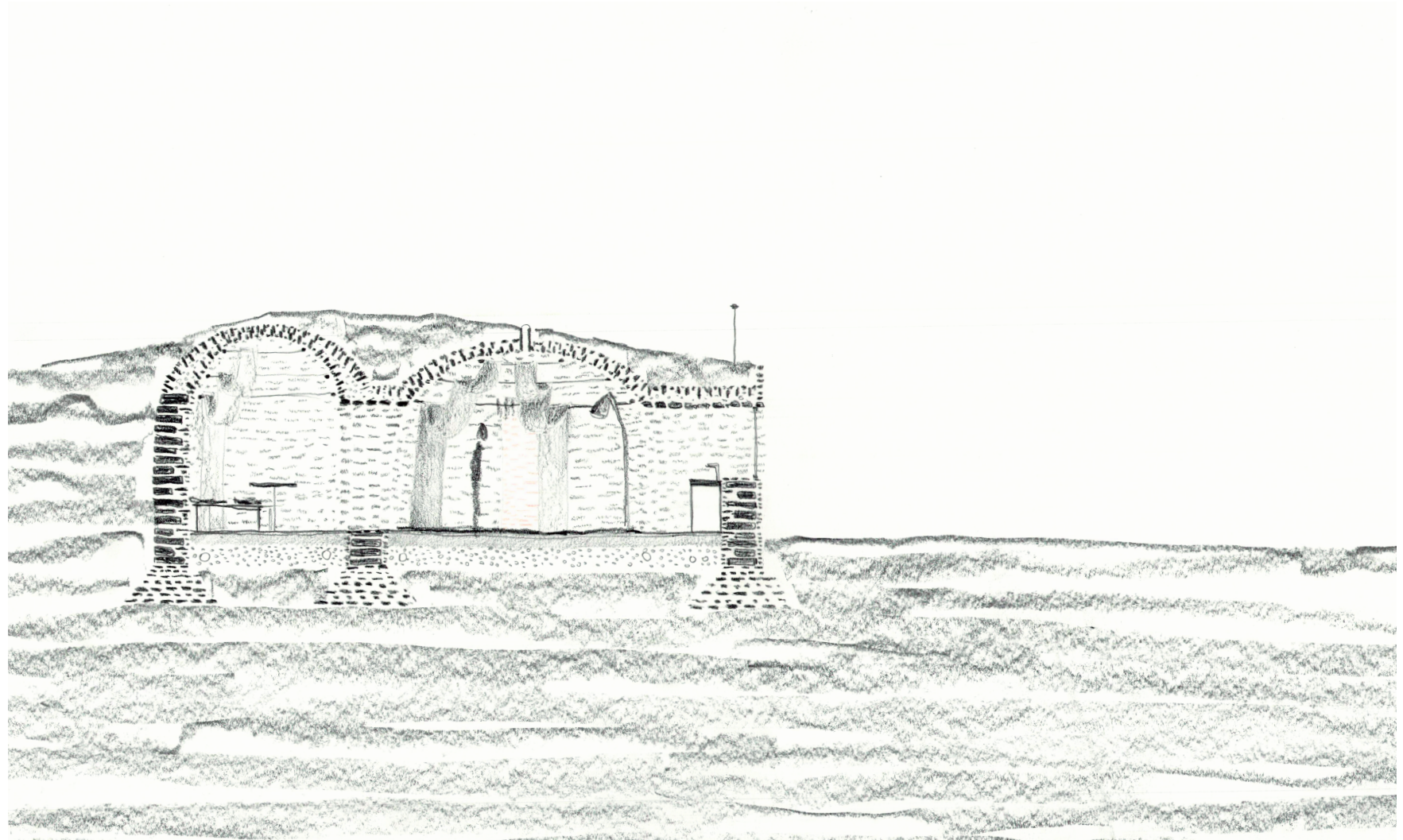




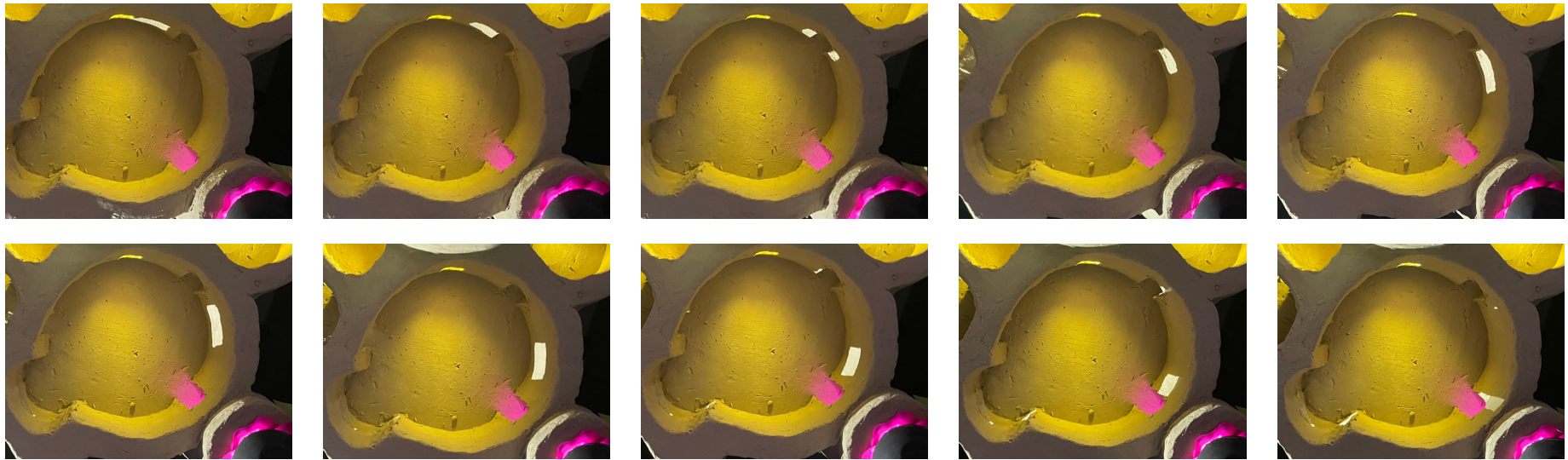


Light orienting





Light moving









How to use light as a material?

looking at	observing	tuning, to awe	becoming, conscious	registering
looking with	projecting	facing	inspecting	focussing
looking on	drawing	awaking	glancing	relating
looking upon	photographing	regarding	glimpsing	aiming
looking through	seeing	surveying	researching	centering
looking to	noticing	glaring	visualizing	orientating
looking down on	becoming aware	peeking	analyzing	engaging
looking up on	opening	watching	obtaining	paying attention
looking against	taking in	surveying	consuming	zooming in
looking for	record	peeping	inhaling	zooming out
looking in	pick up	regarding	digesting	connecting
looking into	perceiving	fronting	absorbing	measuring
looking towards	viewing	investigating	capturing	realizing
	witnessing	punching	noting	appreciating
	discovering			wondering



