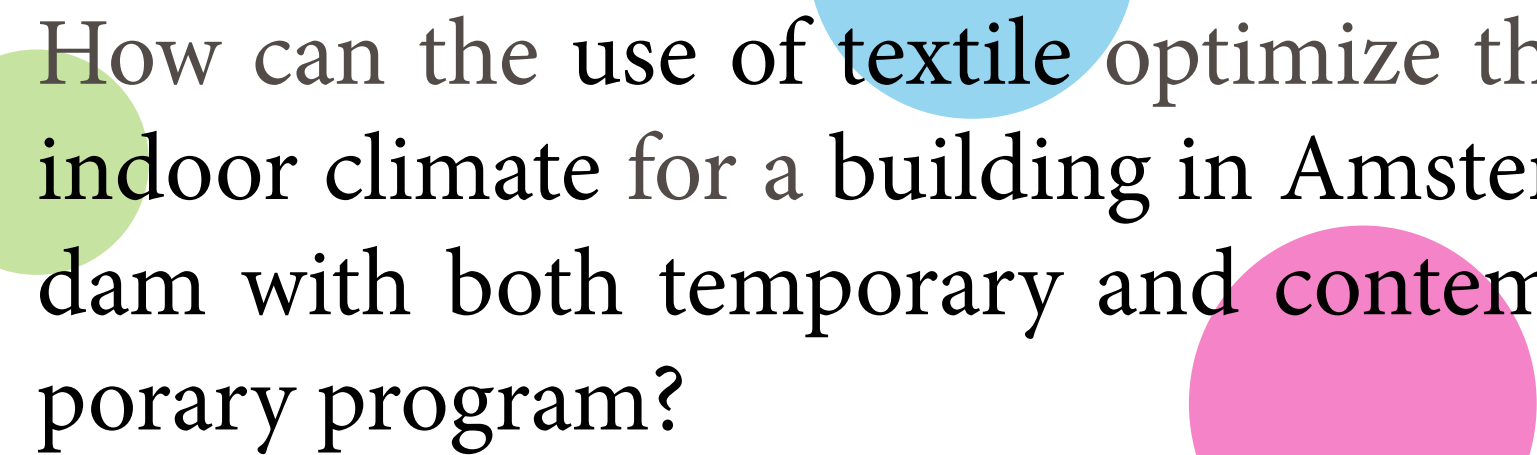


Gebouw voor de Nederlandse Mode Industrie

Presentatie opbouw

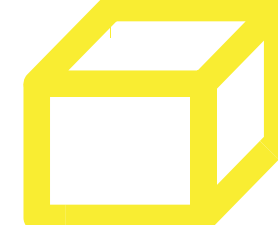
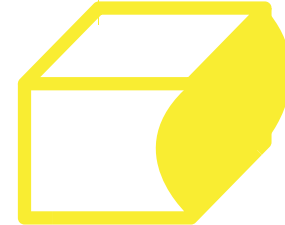
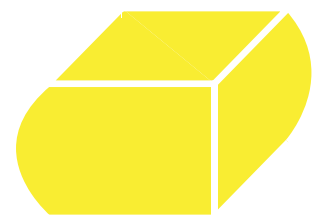
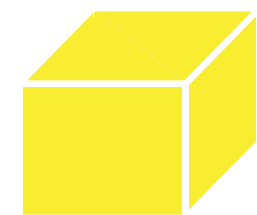
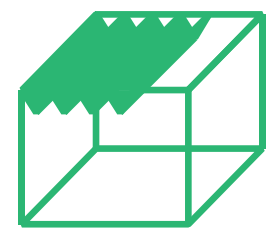
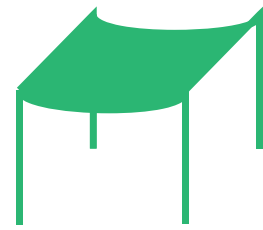
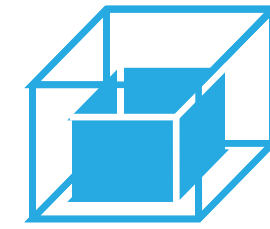
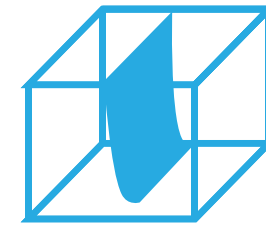
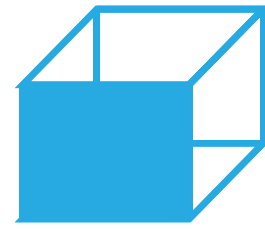
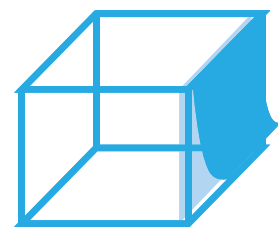
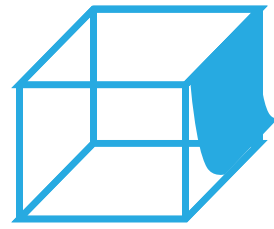
Onderzoek

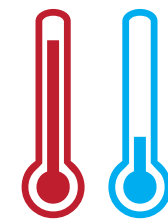
Textiel in Architectuur?

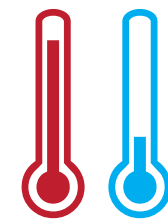


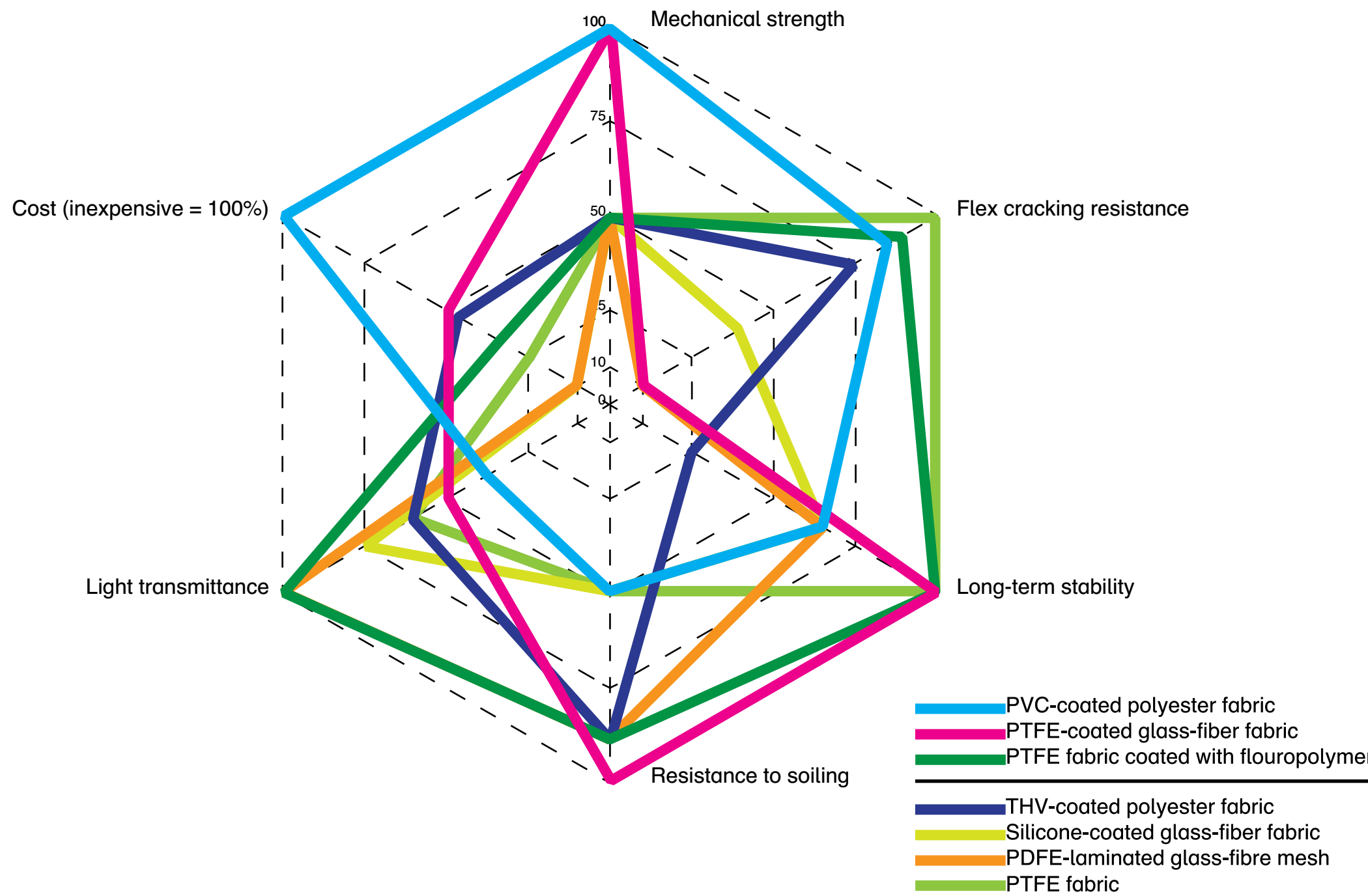
How can the use of textile optimize the indoor climate for a building in Amsterdam with both temporary and contemporary program?

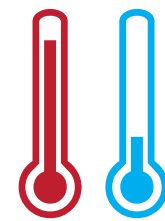
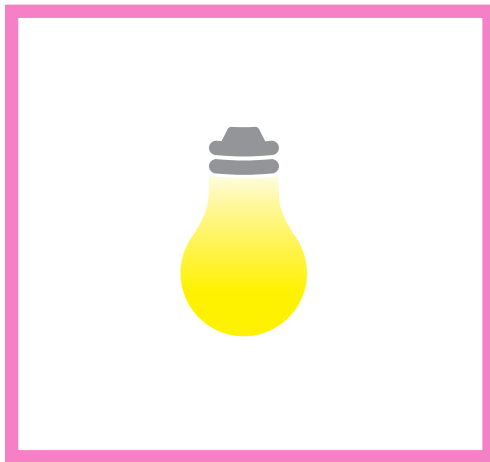


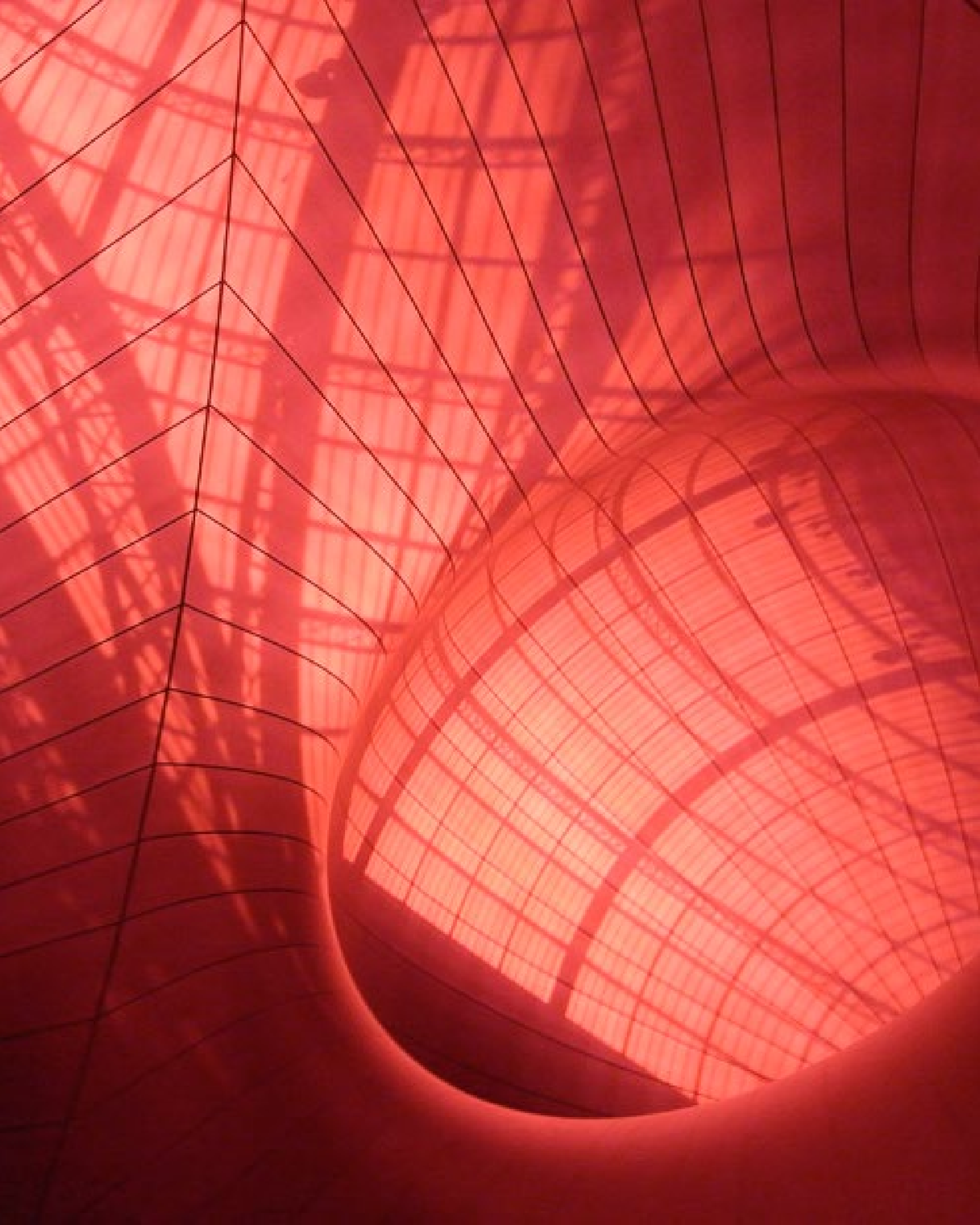




















Textiel is Architectuur!

Proces tot ontwerp opgave



Mercedes-Benz
FashionWeek
AMSTERDAM



DUTCH TOUCH



Fashion with respect
for people and planet

D U T C H
F A S H I O N
F O U N D A T I O N

Doelen voor het ontwerp

De mode industrie verduurzamen

Respect

Duurzame mode promoten

De mode Industrie toegankelijker maken voor publiek

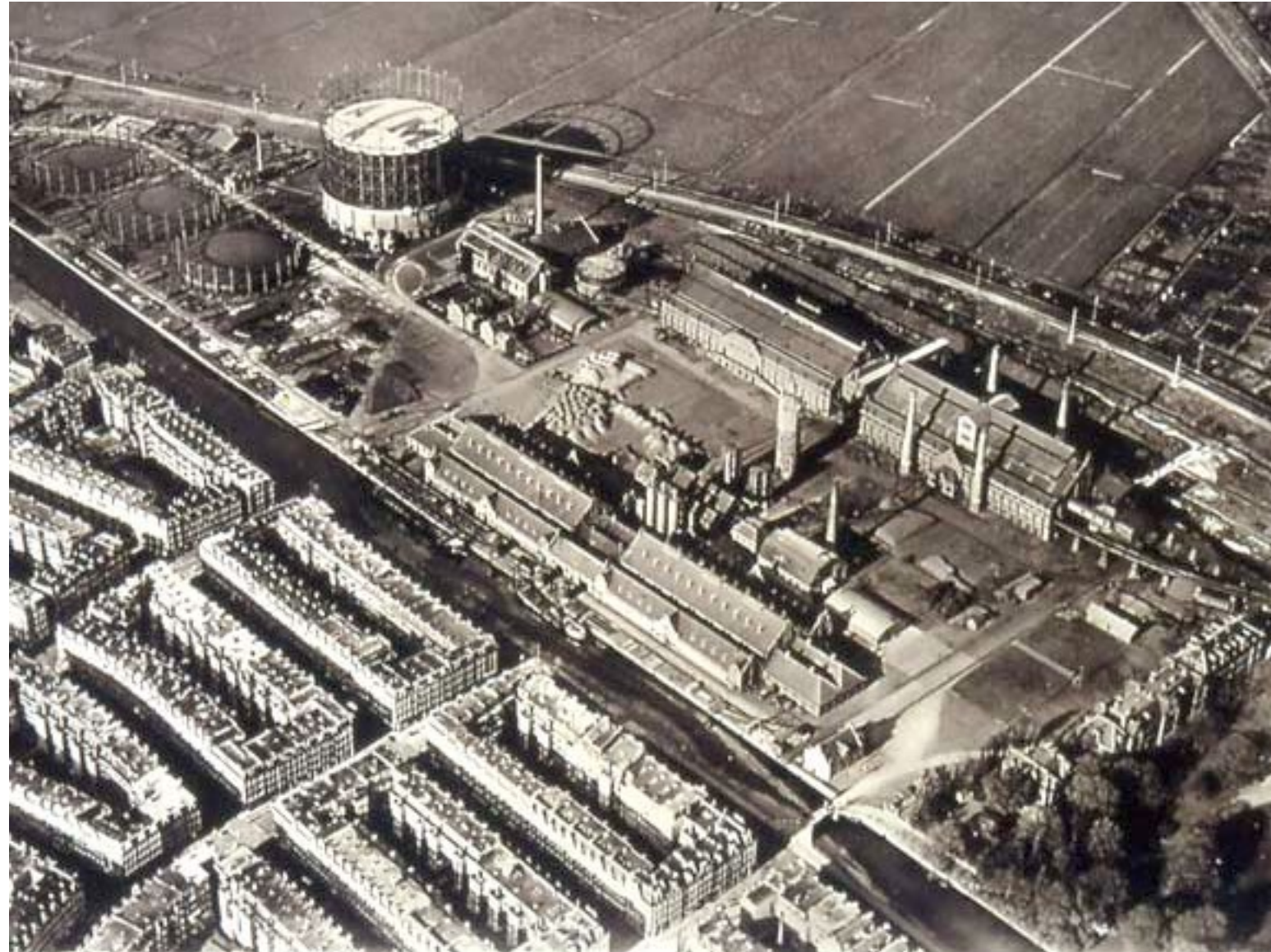
Een grote schijnwerper op de Nederlandse Mode Industrie

Alles voor de Mercedes-Benz Fashion week Amsterdam onder één dak

Locatie









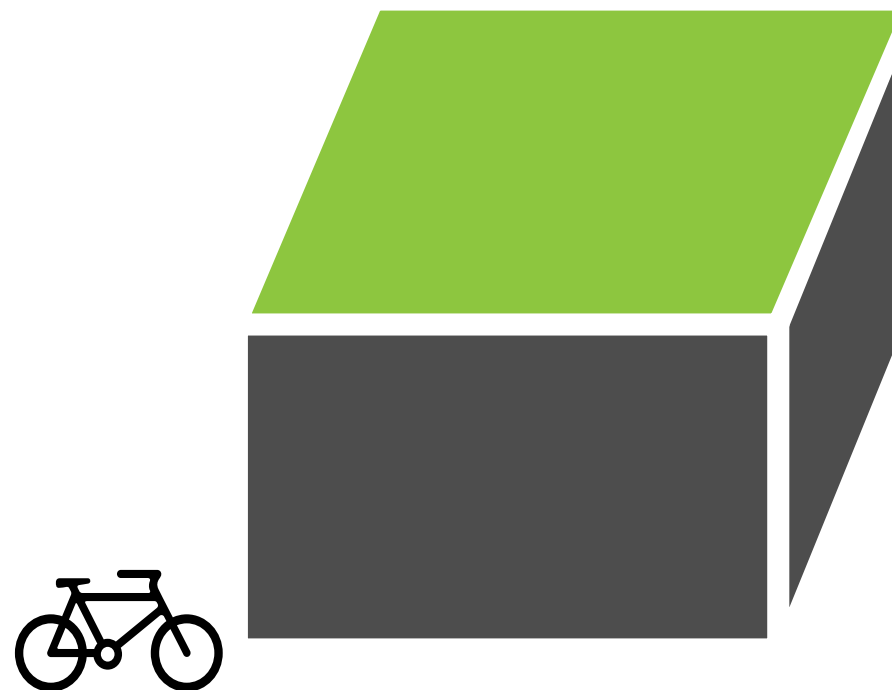








Geen ruimte innemen van het publiek in het westerpark



Programma

Publiek

Fashion LAB

Kantoor

Publiek

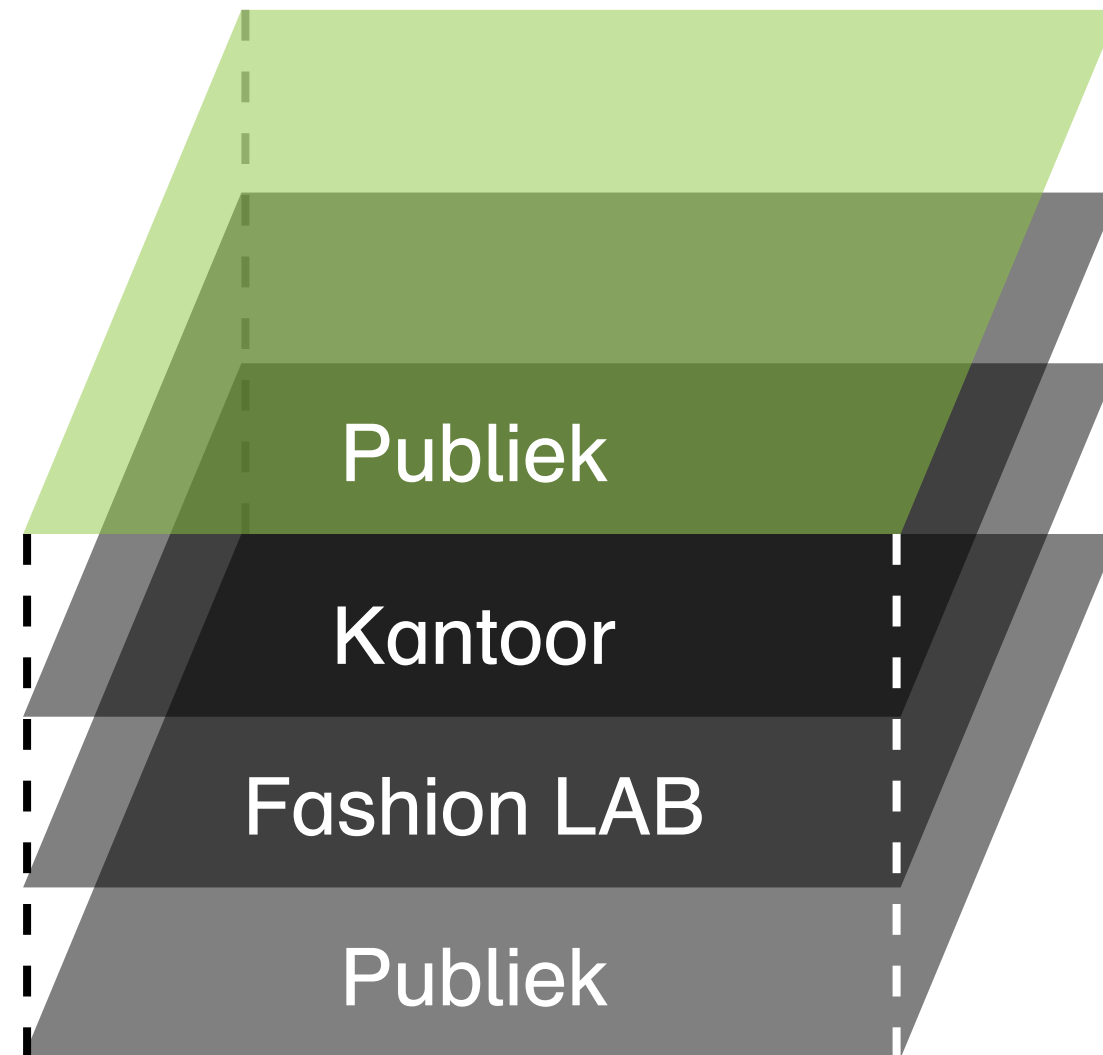
Expositieruimte
Entree
Restaurant
Bibliotheek
Lezingenruimte
Winkel
Inzamelpunt tweedehands kleding
Toiletten

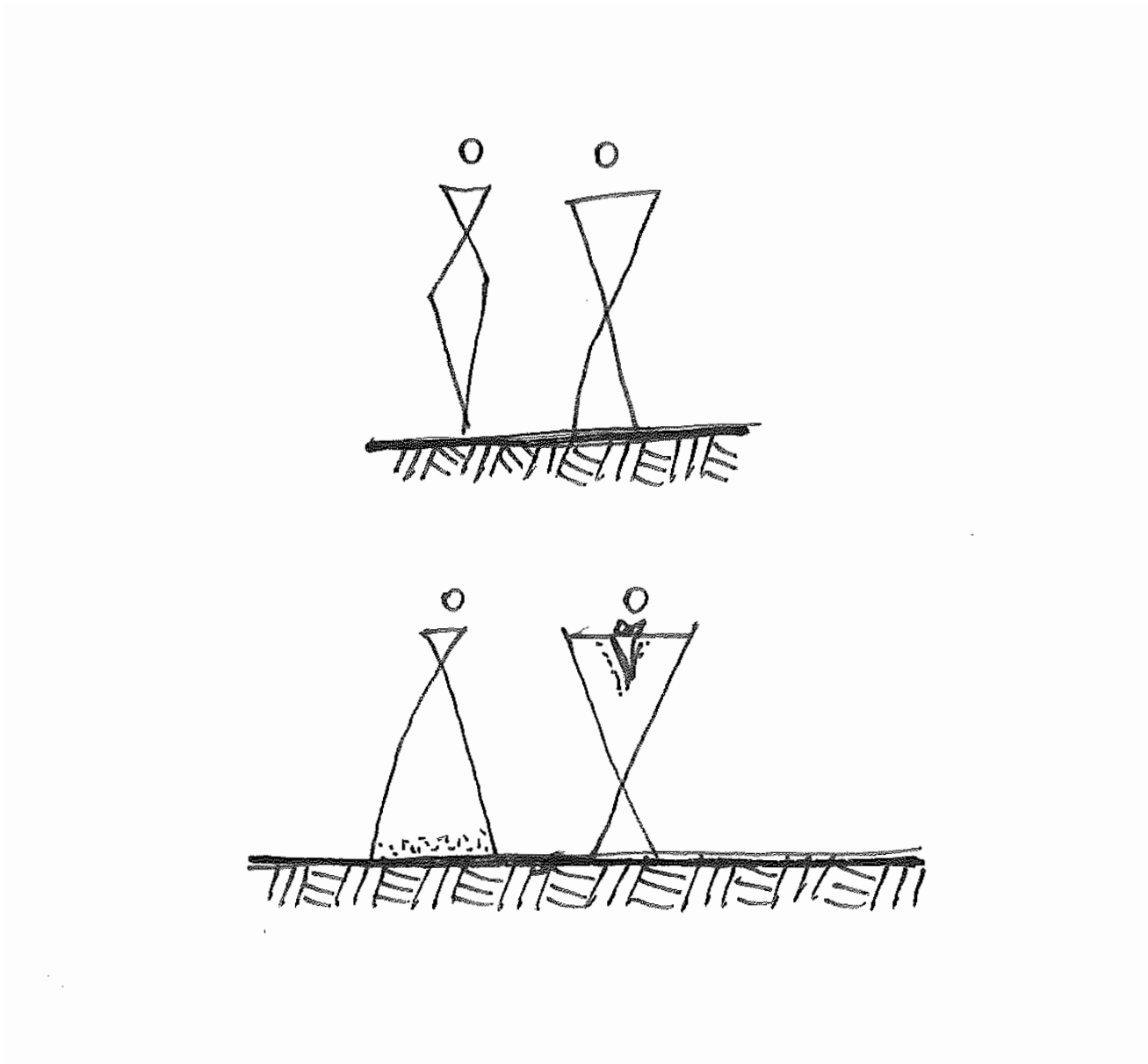
Fashion LAB

25 werktafels
Gezamenlijke koffieruimte
2 verschillende machine ruimtes
Opslagruimte
Toiletten

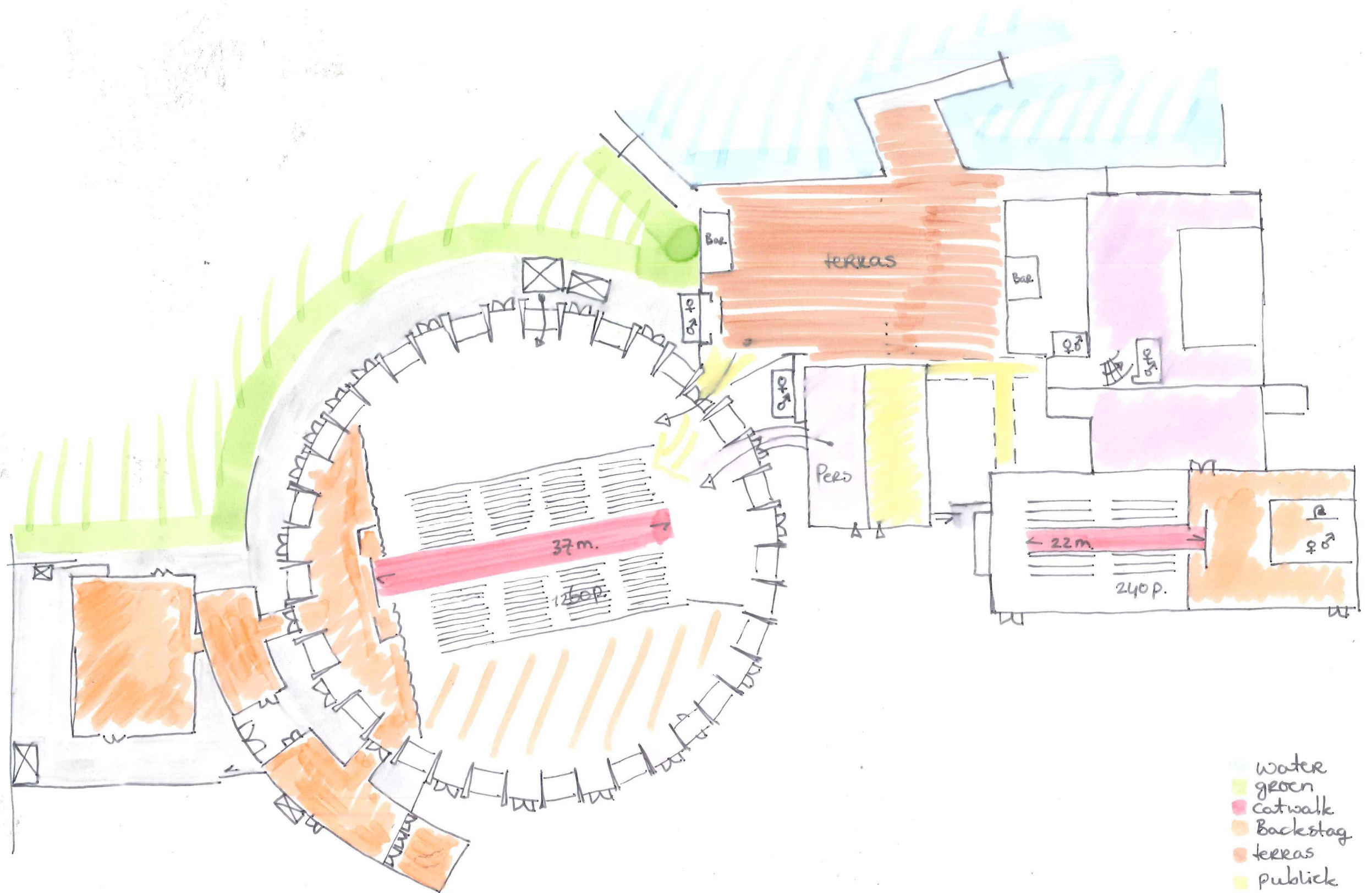
Kantoor

50 kantoorplekken
3 vergaderzalen
Gezamenlijke koffieruimte
Opslagruimte
Toiletten





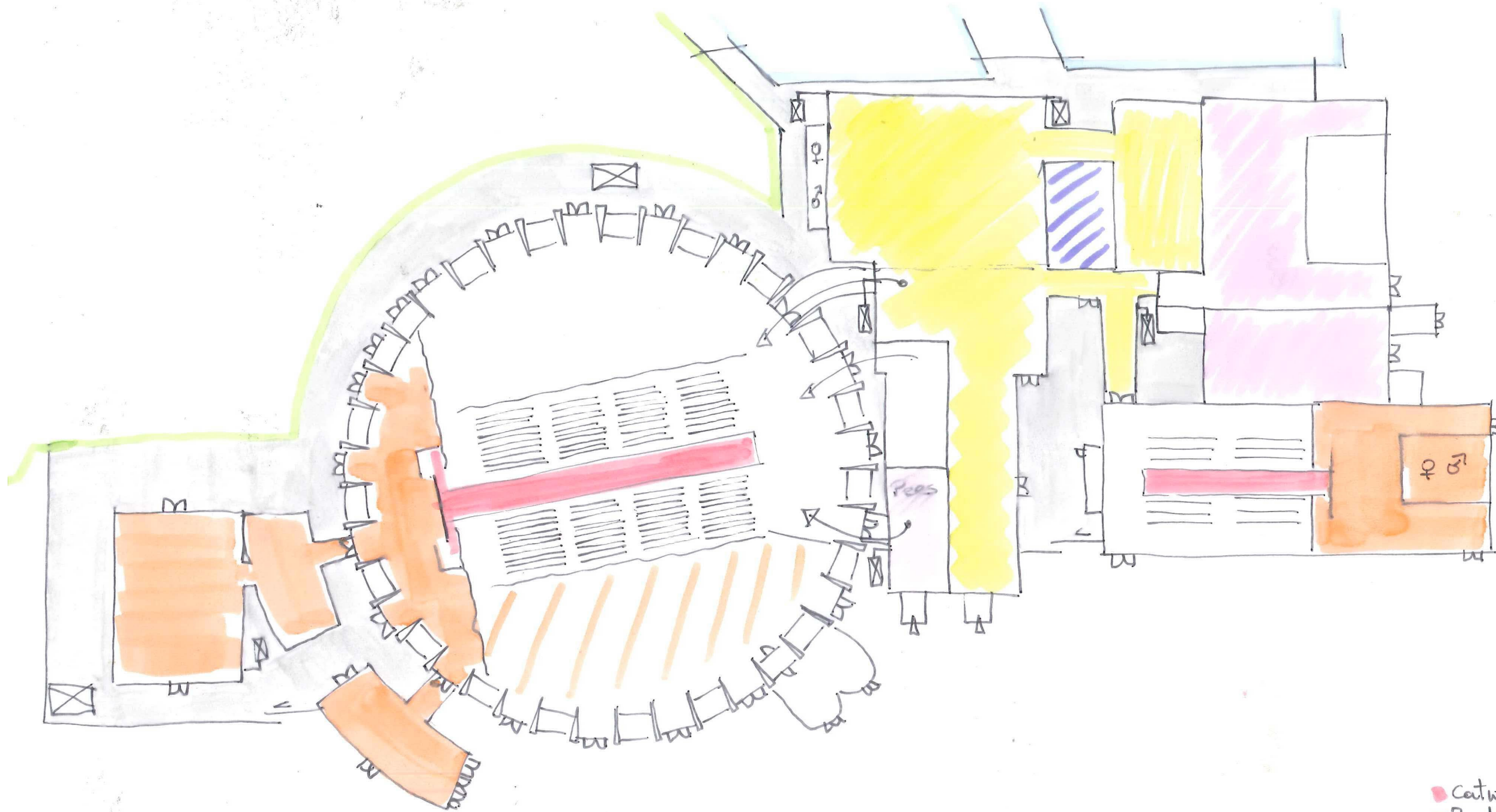




- water
- groen
- catwalk
- Backstag
- terras
- publick
- Pers.
- ⊗ installaties
- Eventement

Mercedes-Benz
 Fashion week
 Amsterdam
 Juli

1:500 ▲



- Catwalk
- Backstage
- Public
- Pers
- Rookruimte
- Evenement locatie
- Waterbaaiere
- Groen.

Gebouw met Allure

Gebouw dat het publiek verleidt

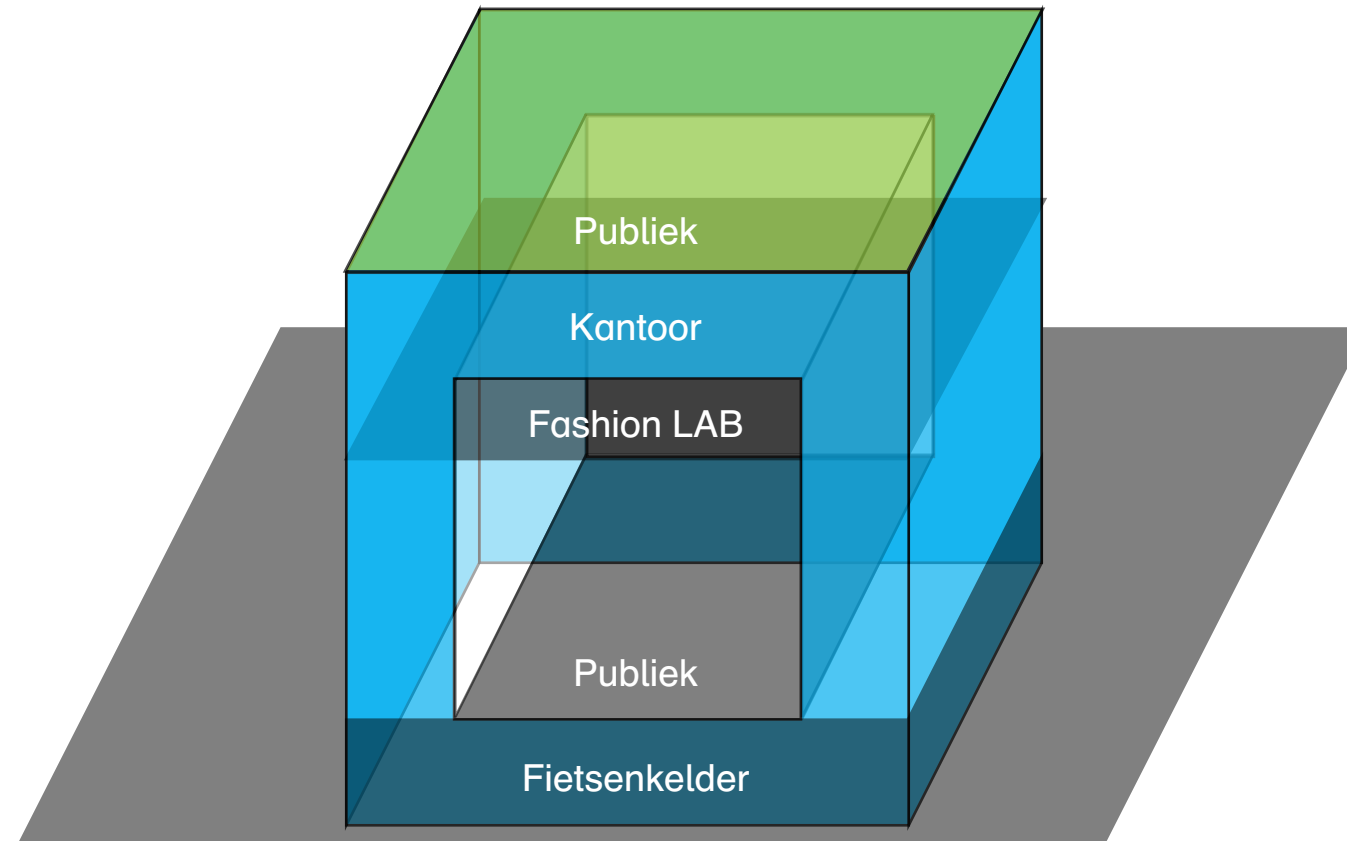
Gebouw met een slim klimaatsysteem

Gebouw dat zich aanpast aan het gebruik

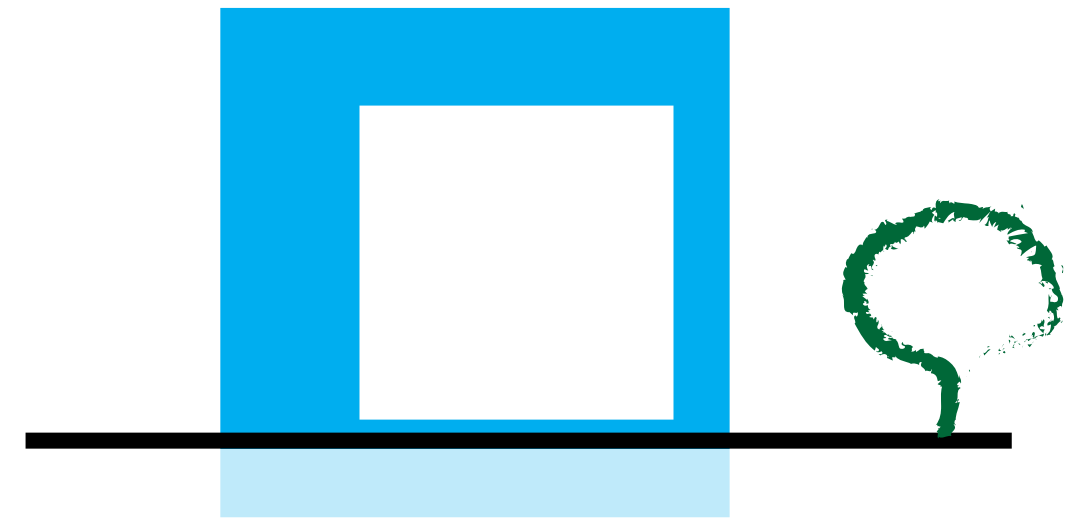
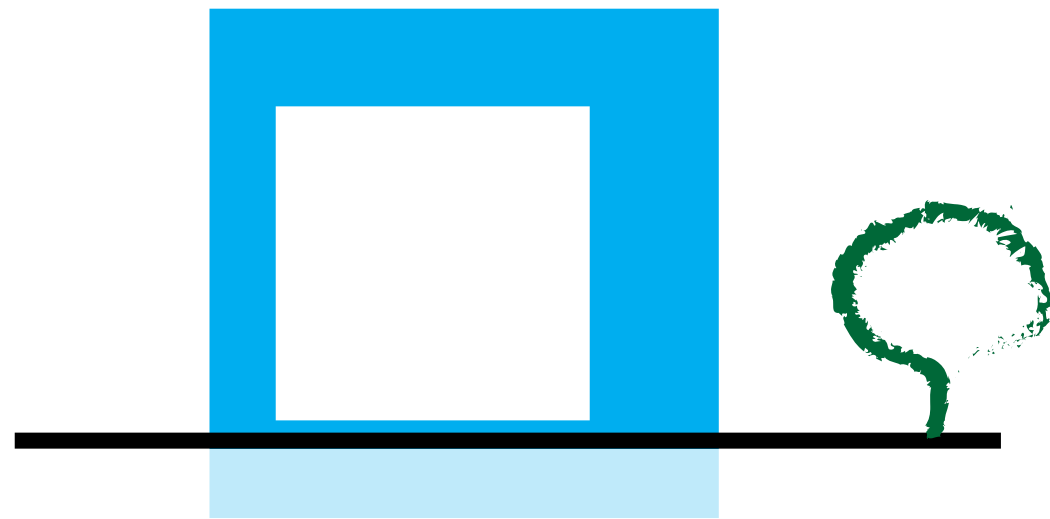
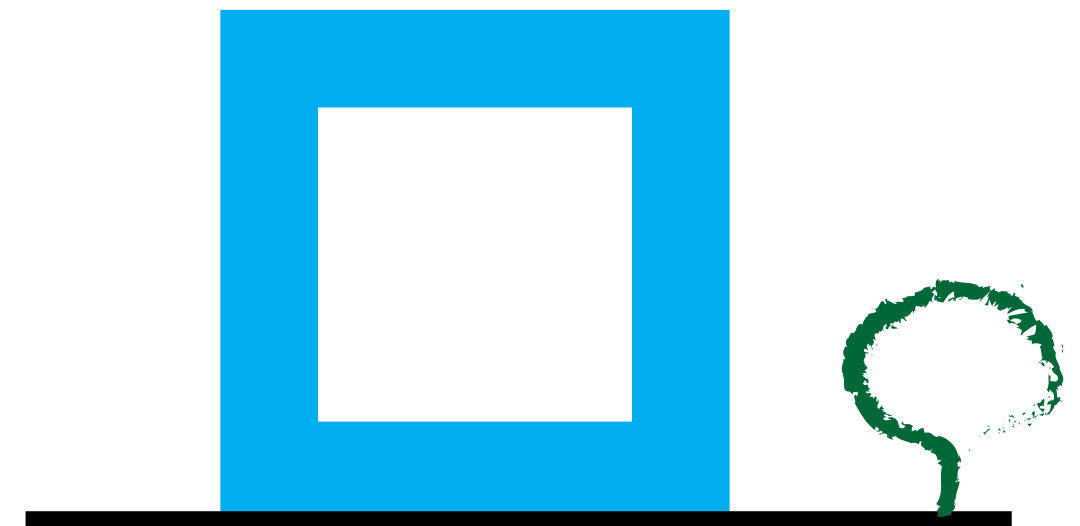
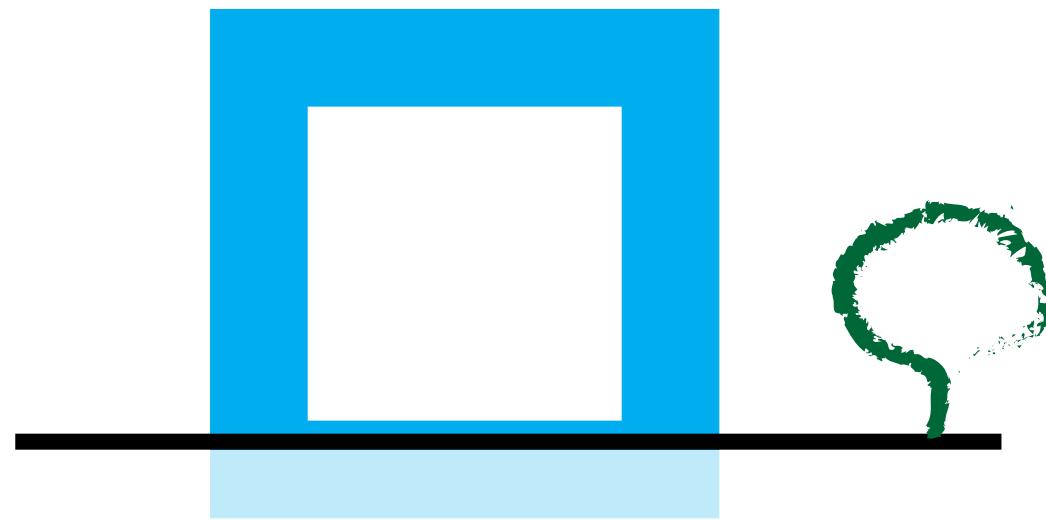
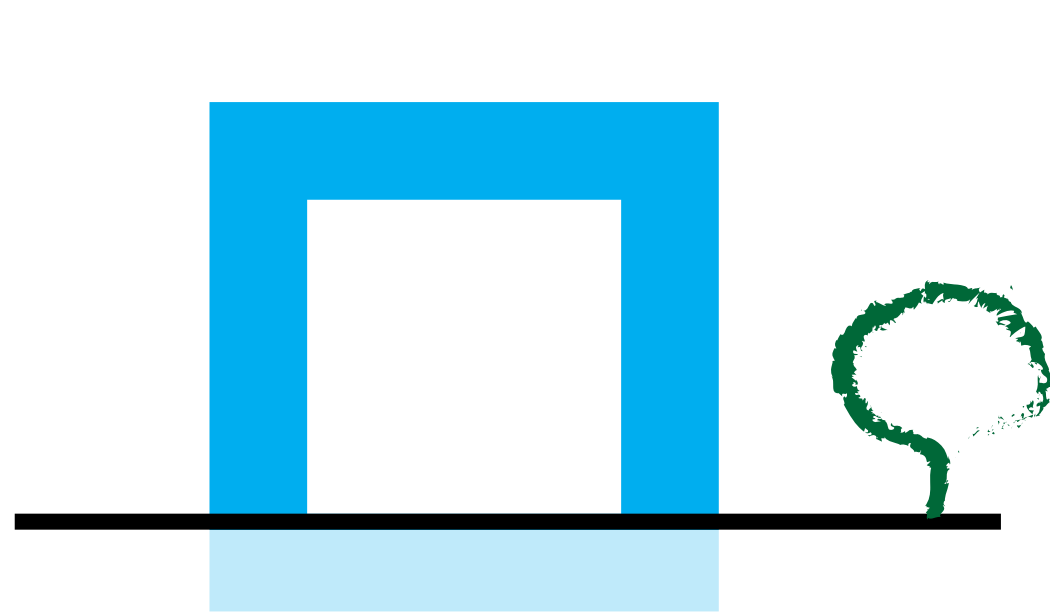
Gebouw dat waarde toevoegd aan het Westerpark

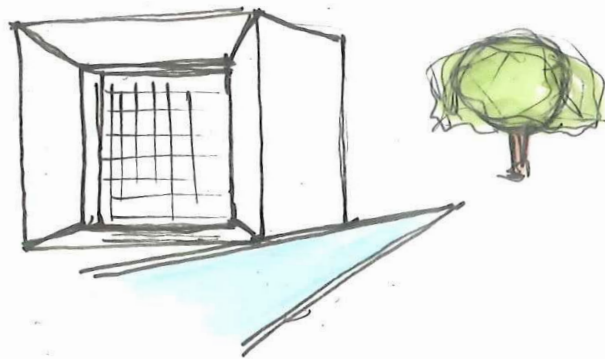
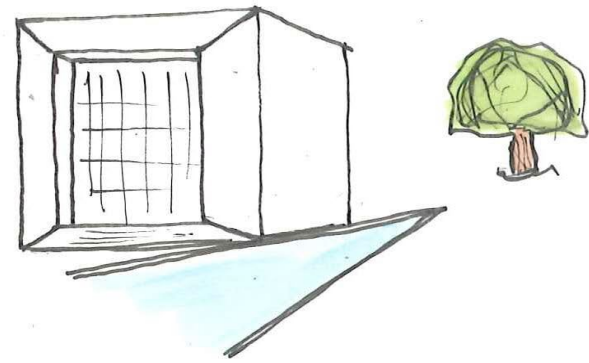
Concept



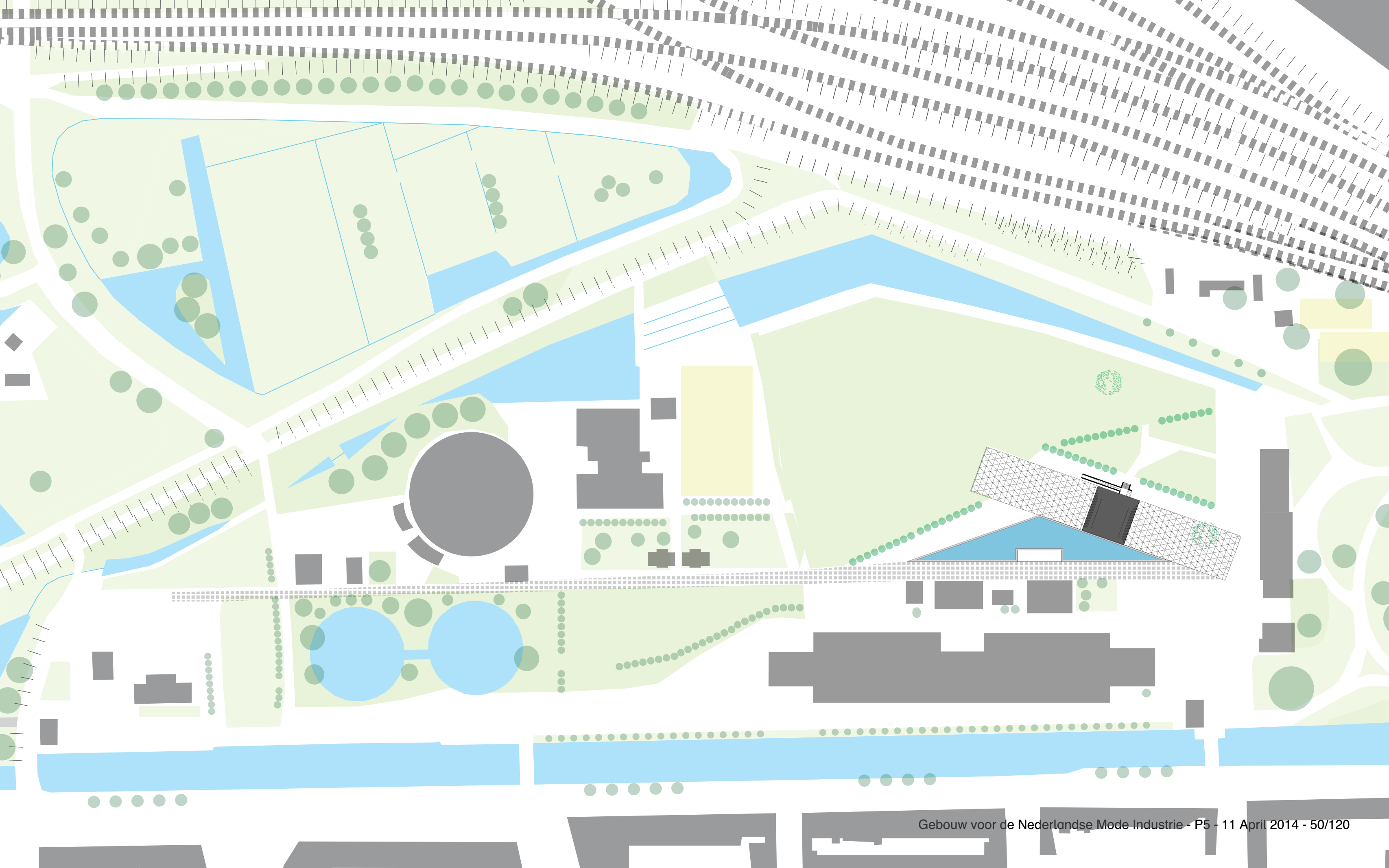


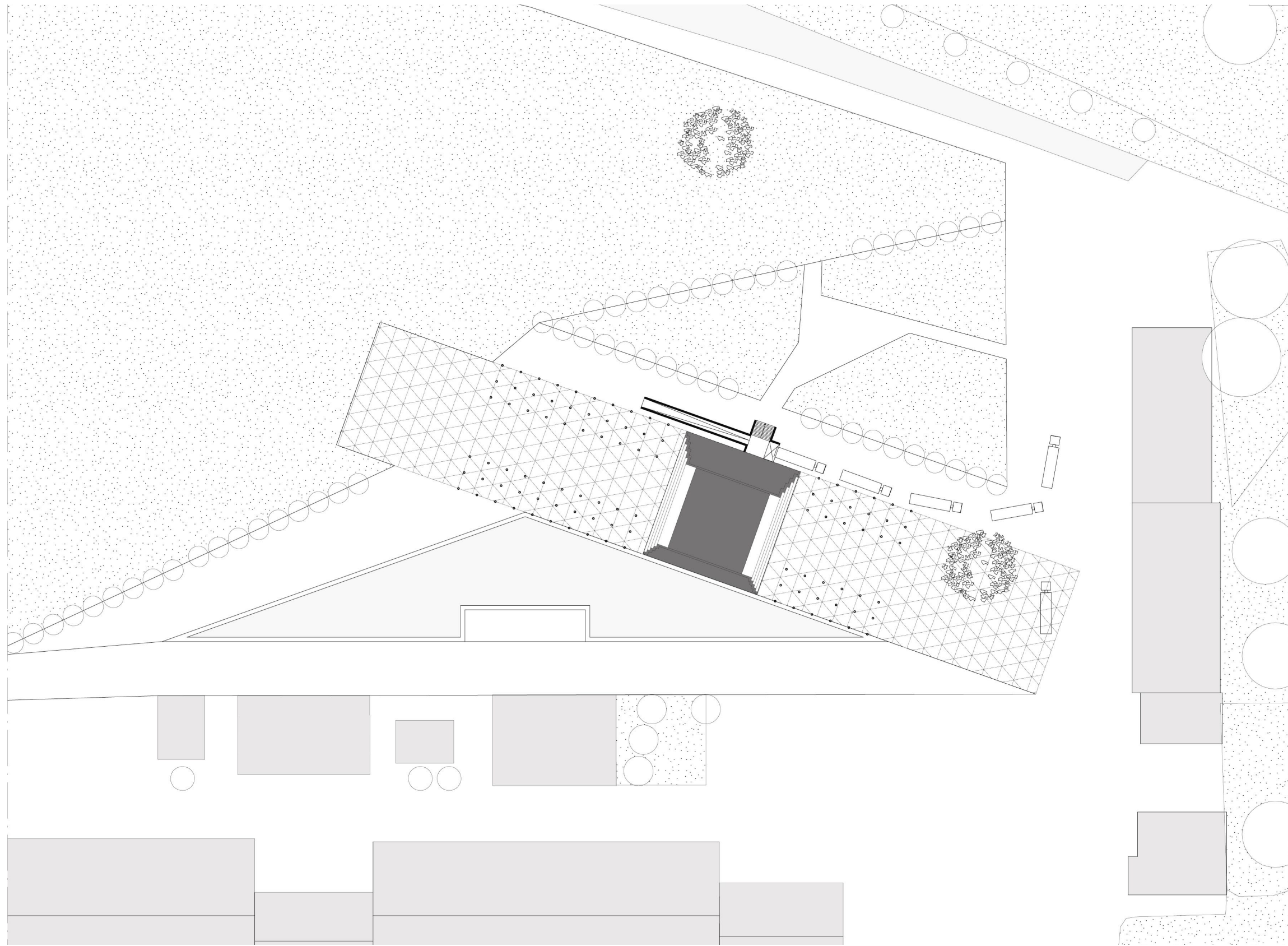


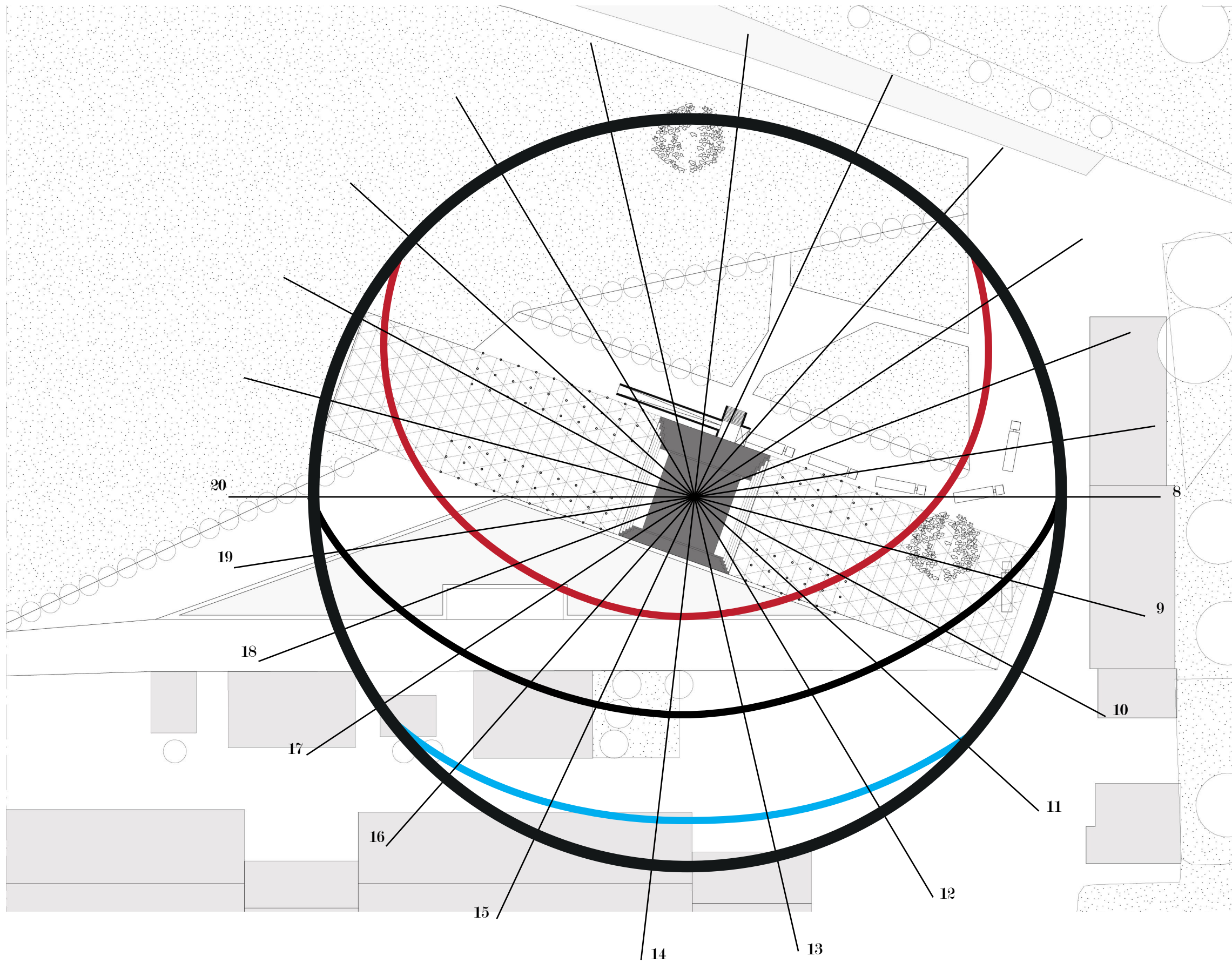


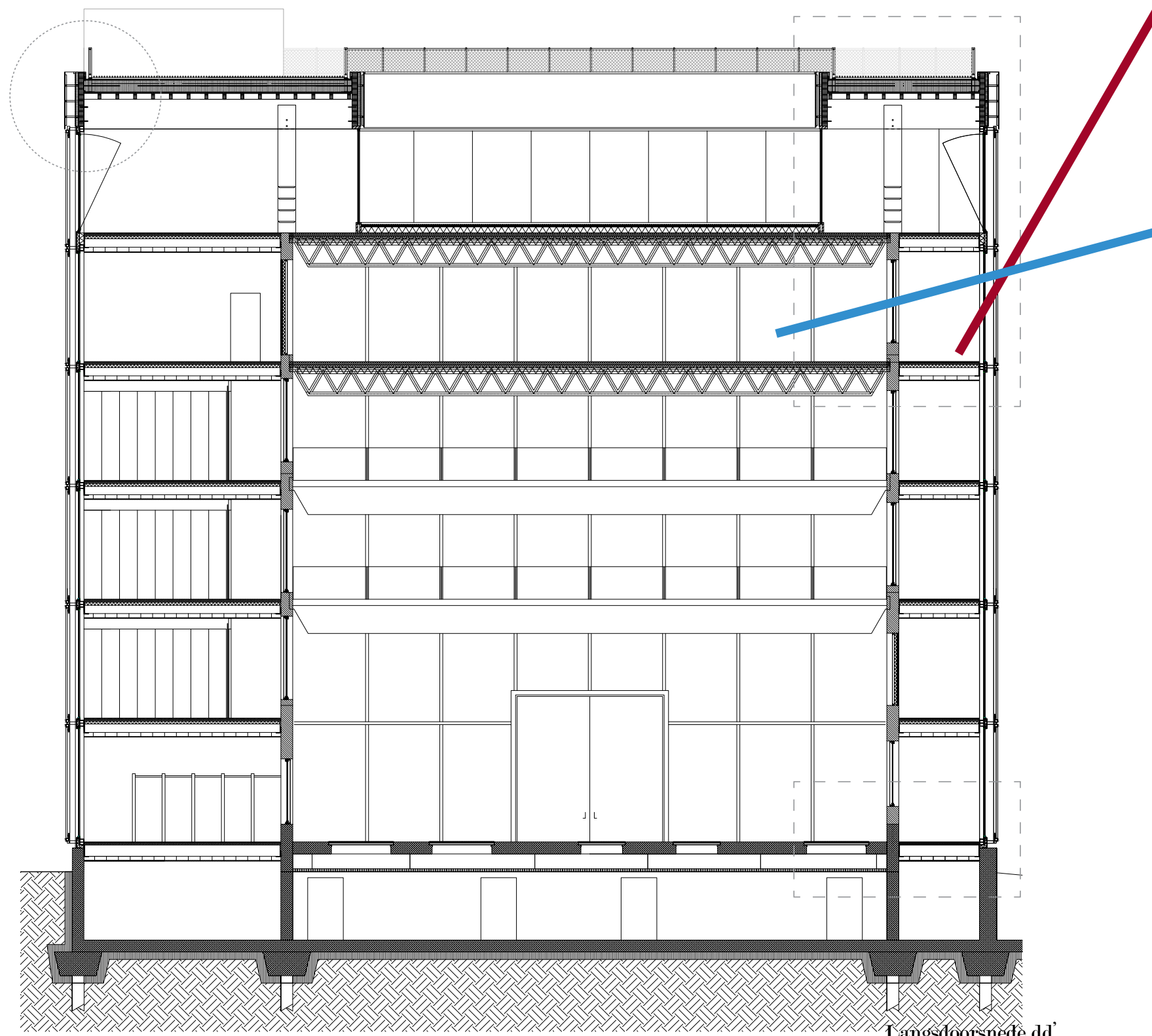








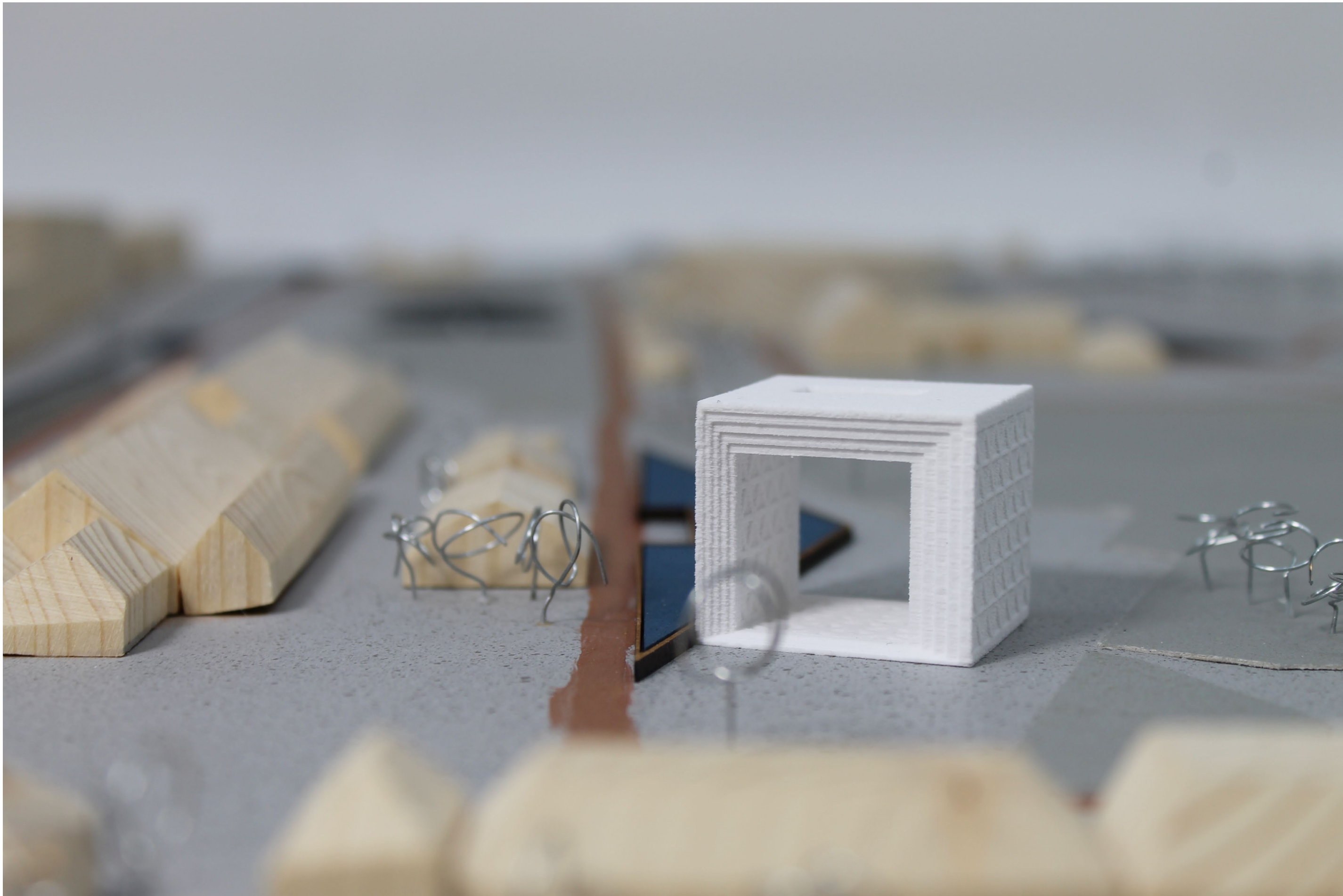


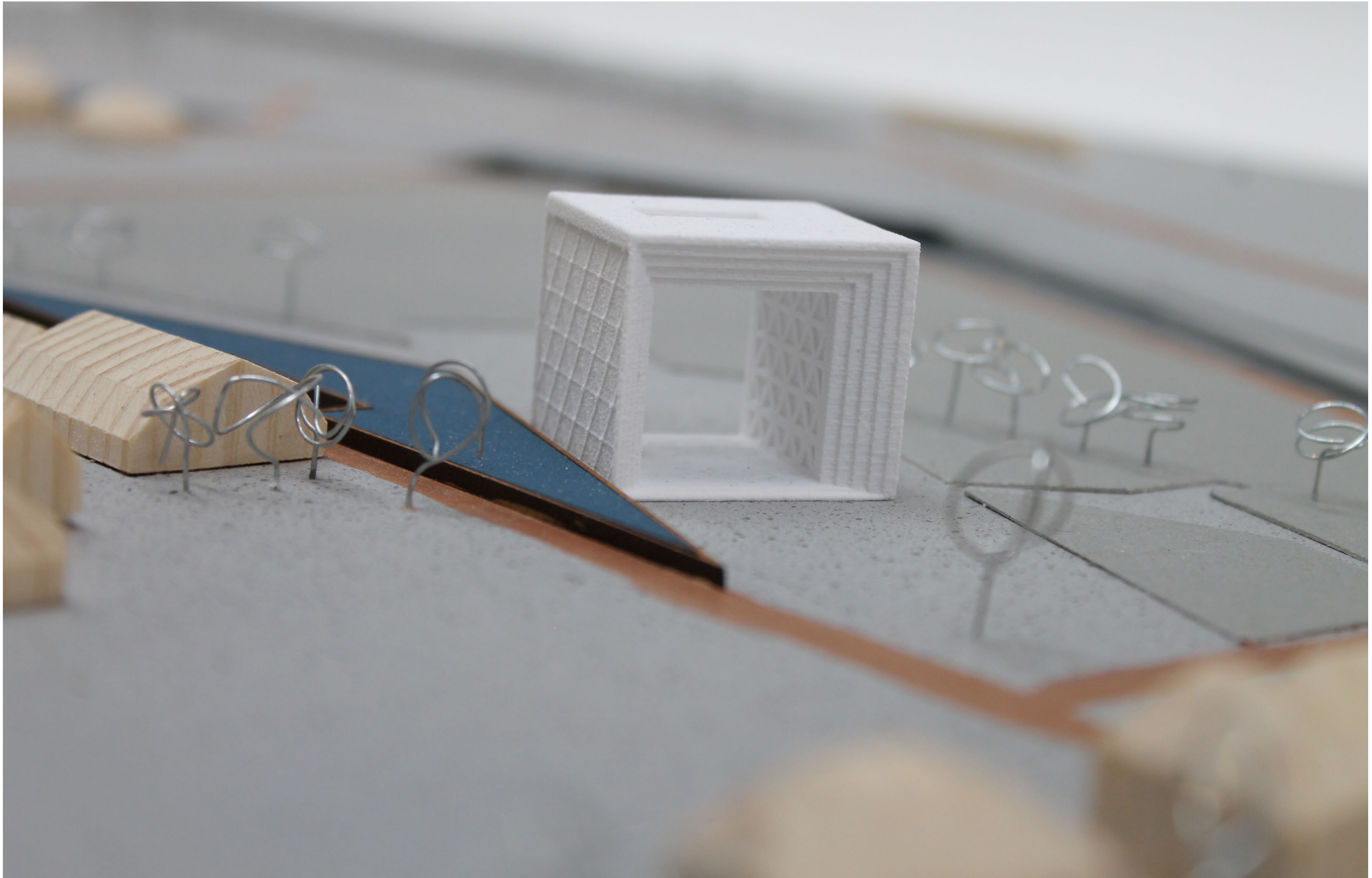


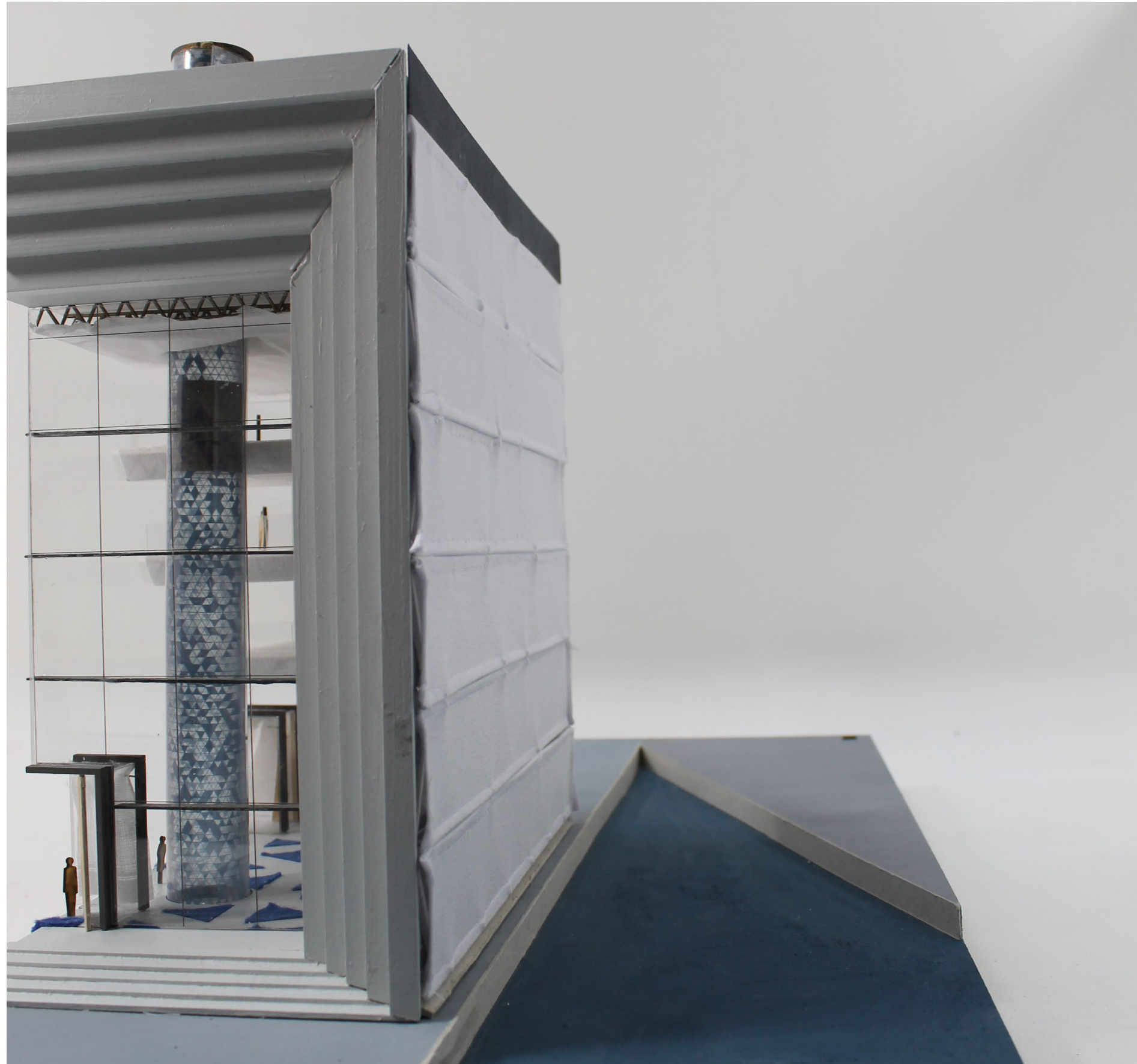
Langsdoorsnede dd'

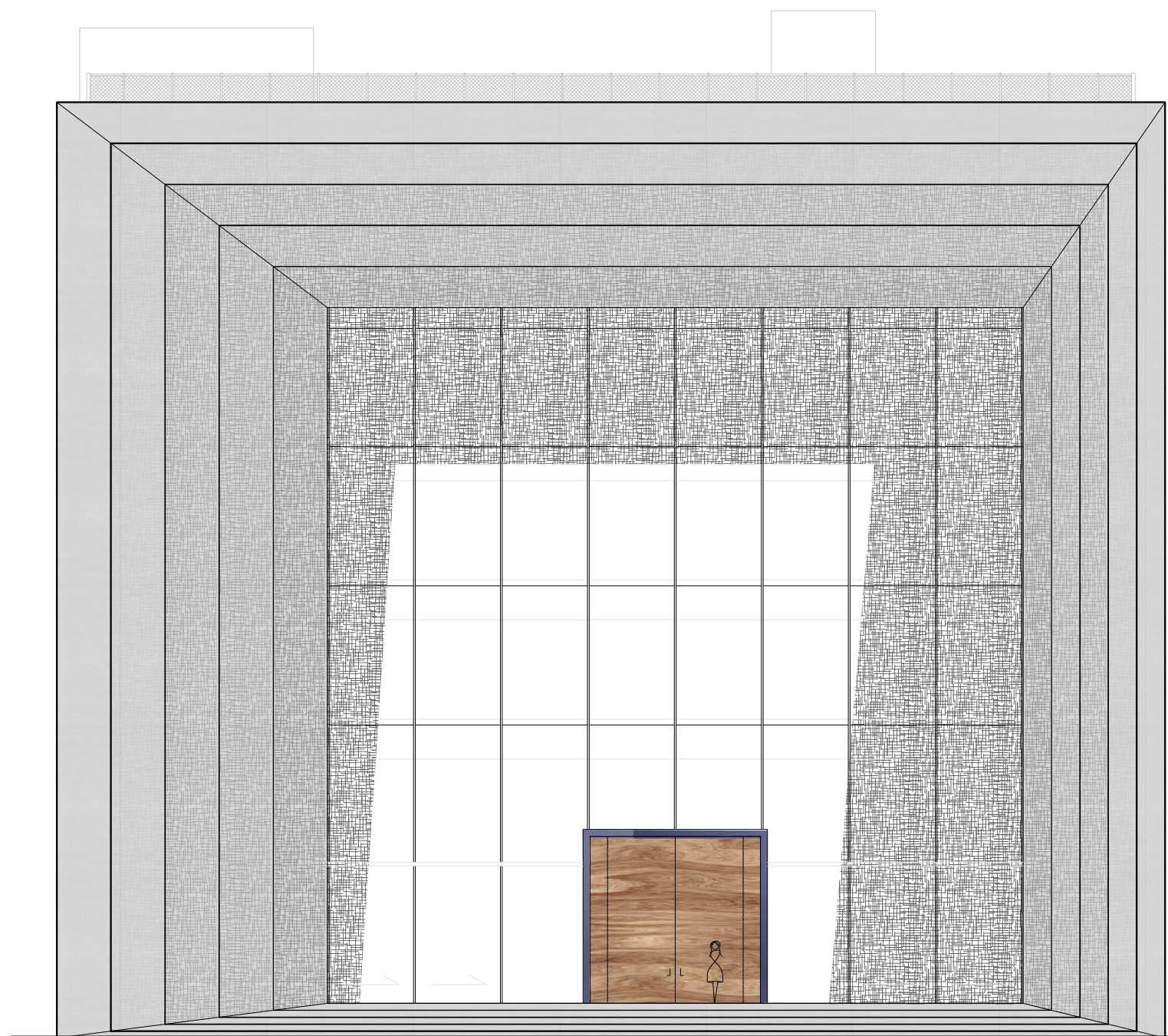
1000 5000 10000 mm

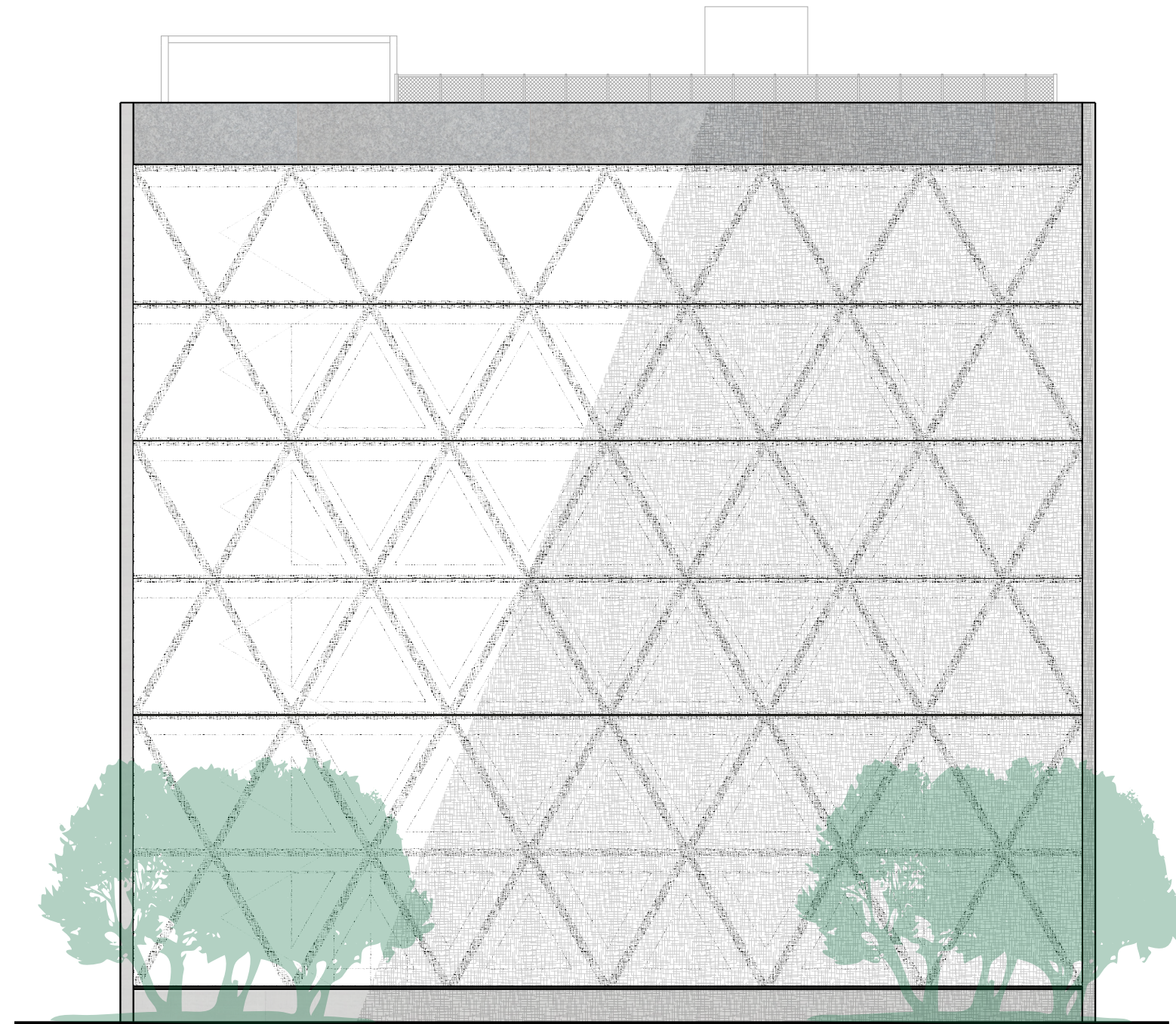


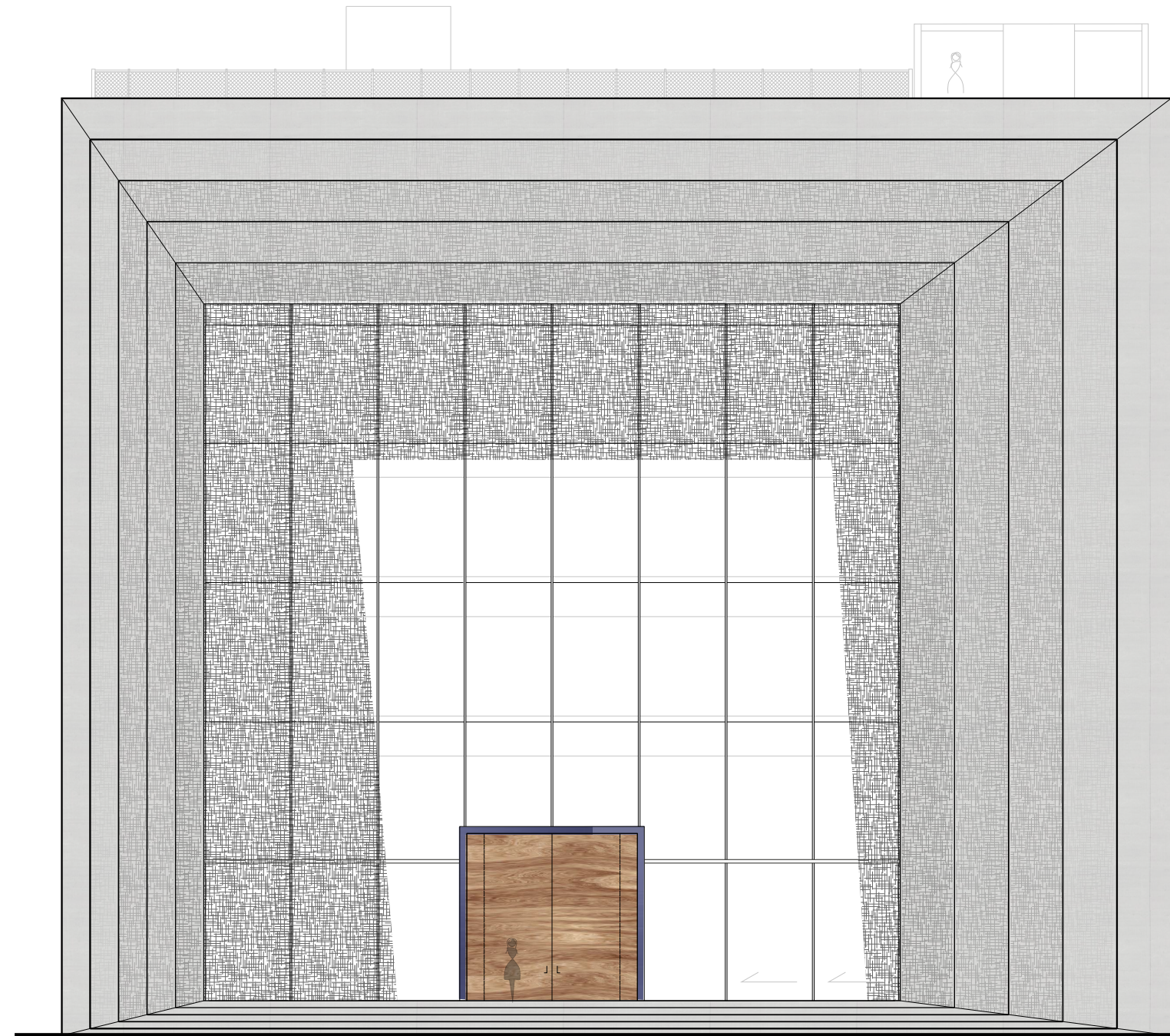


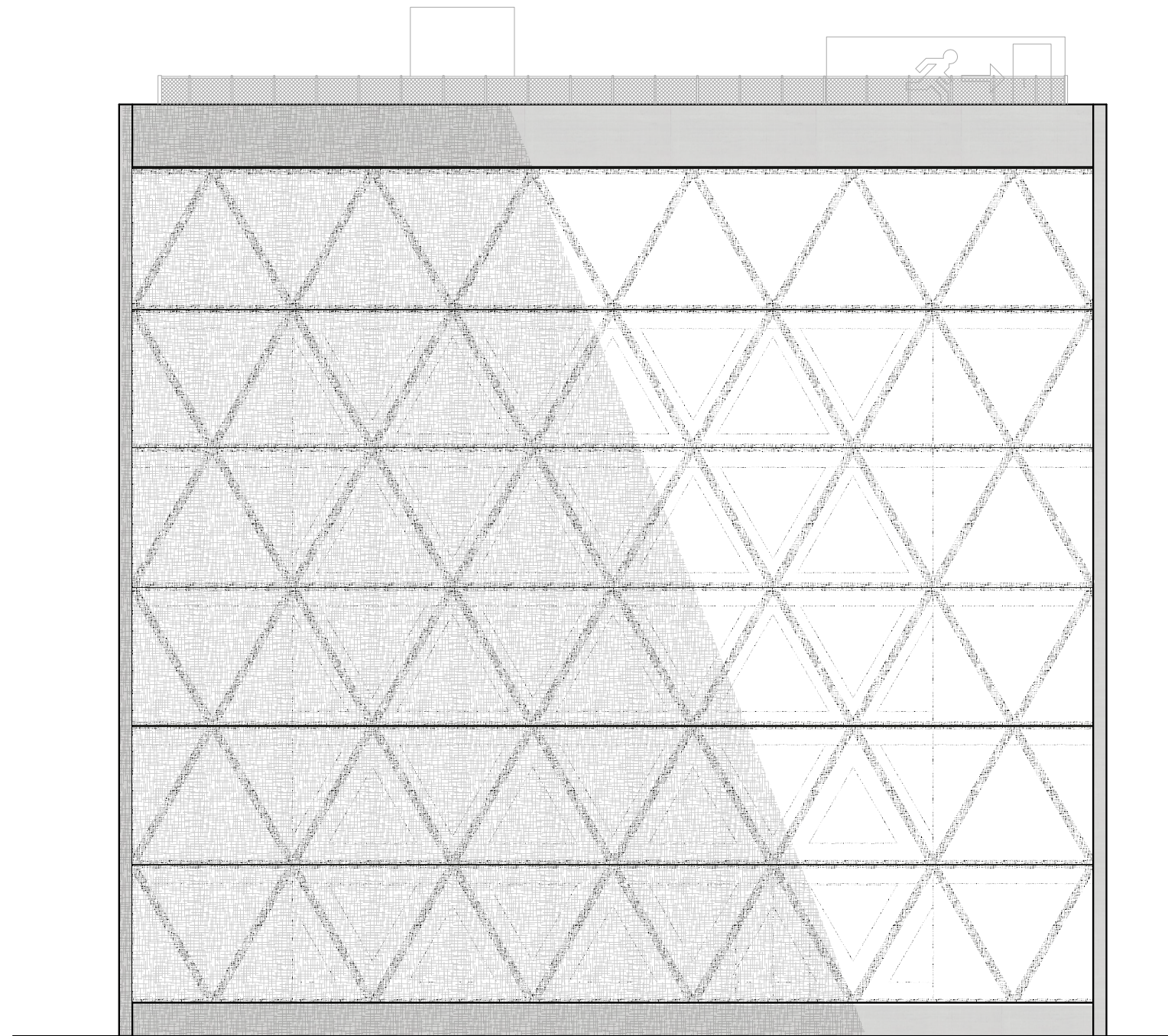


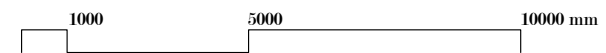
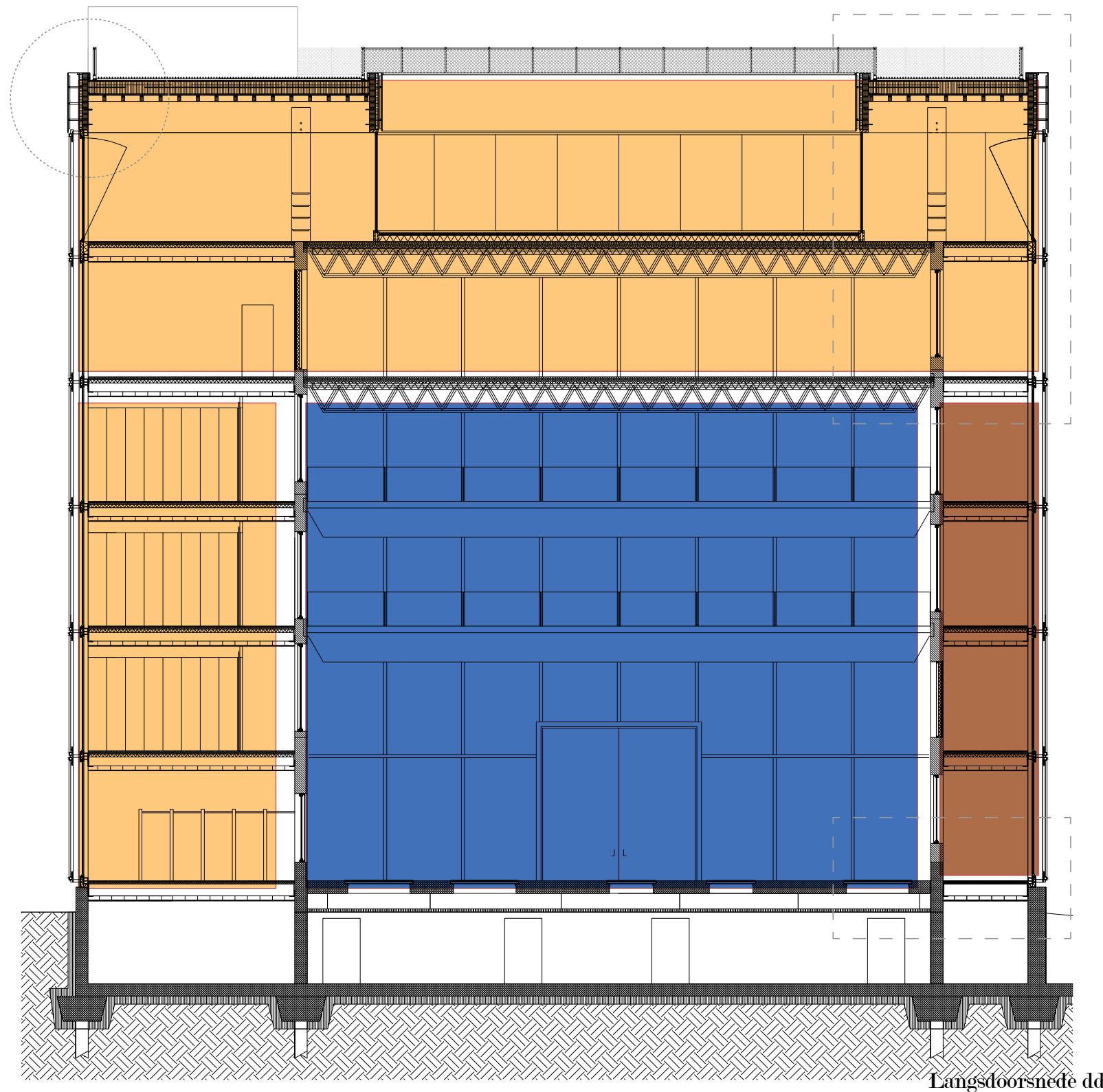


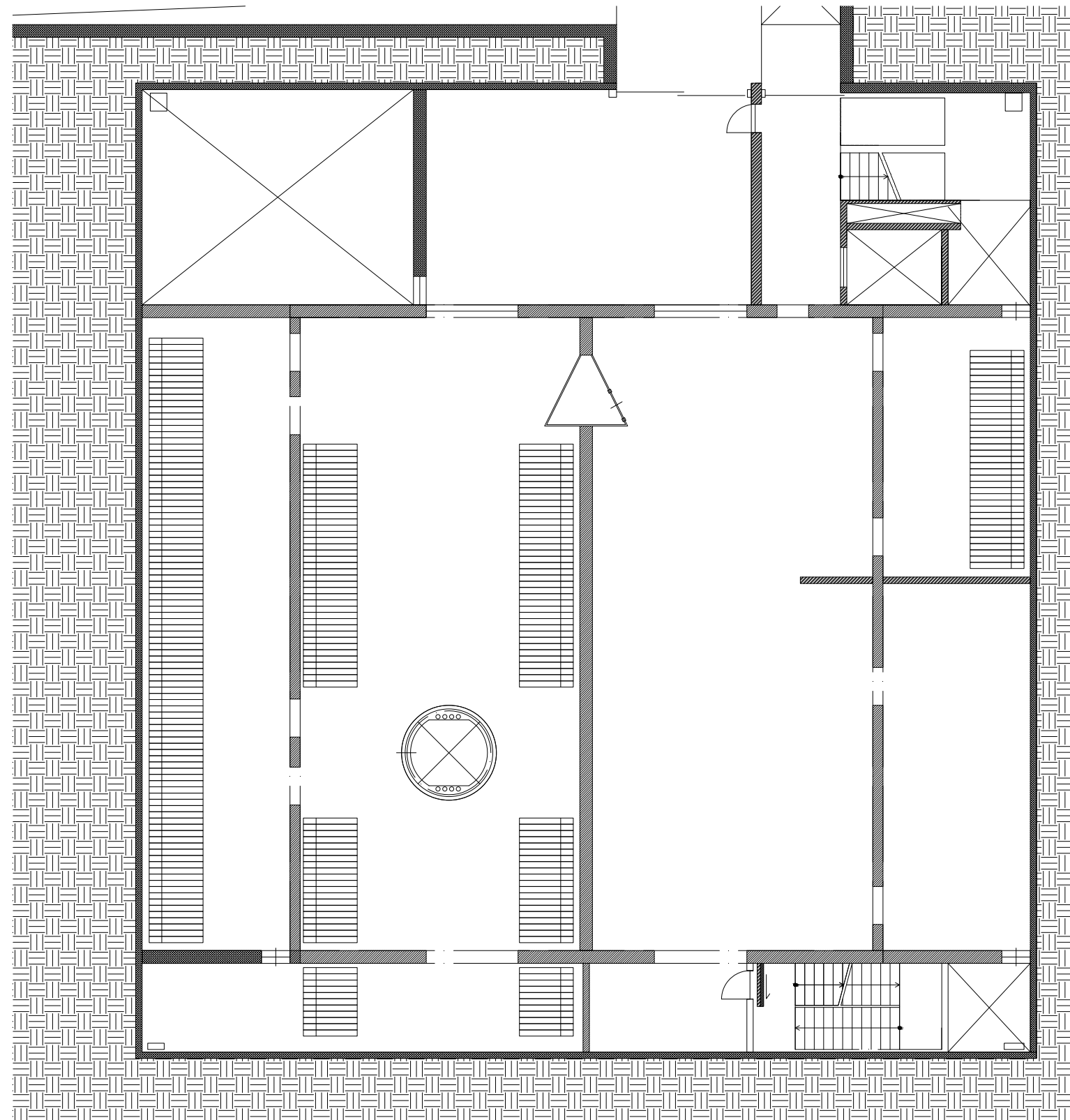


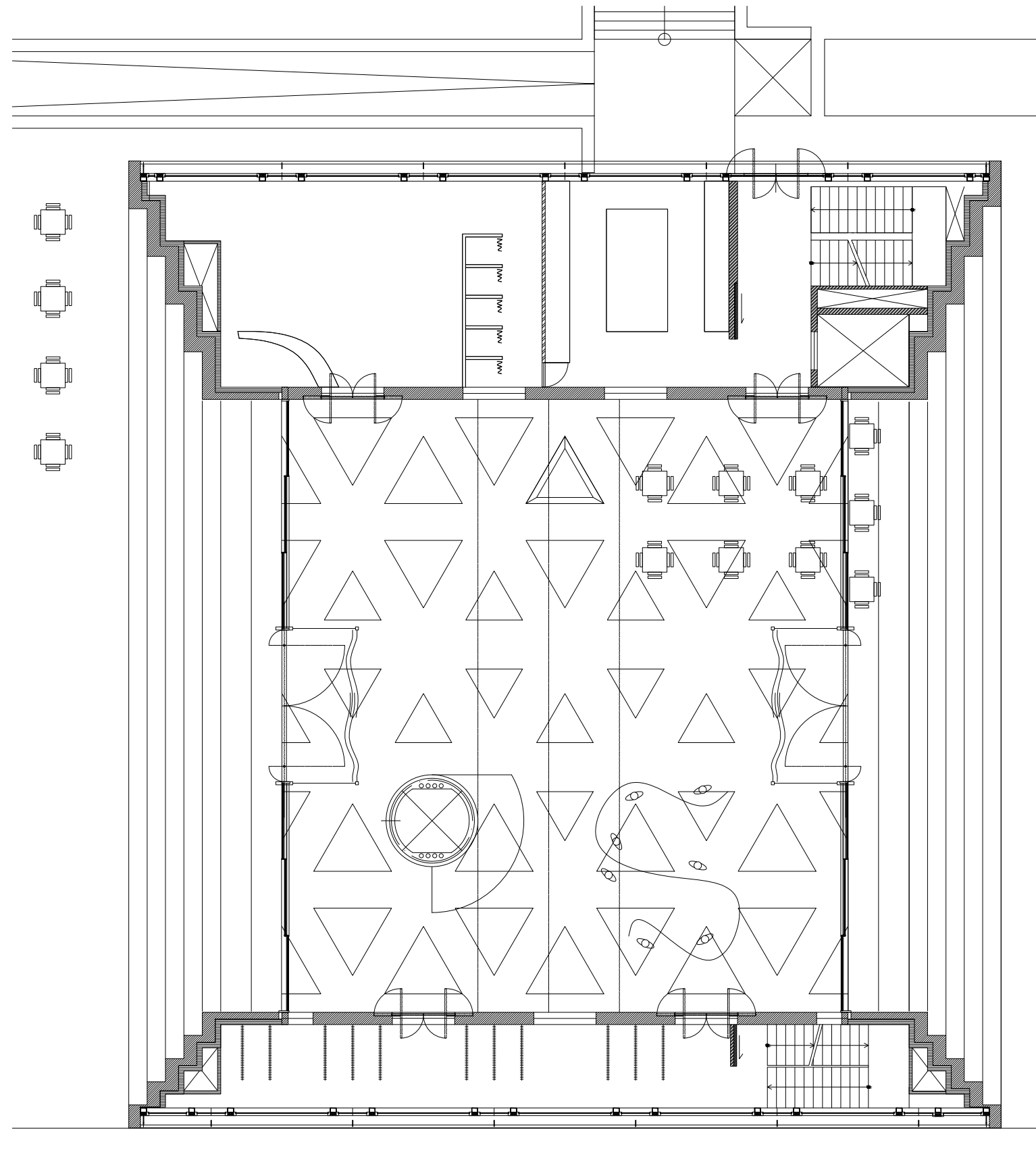


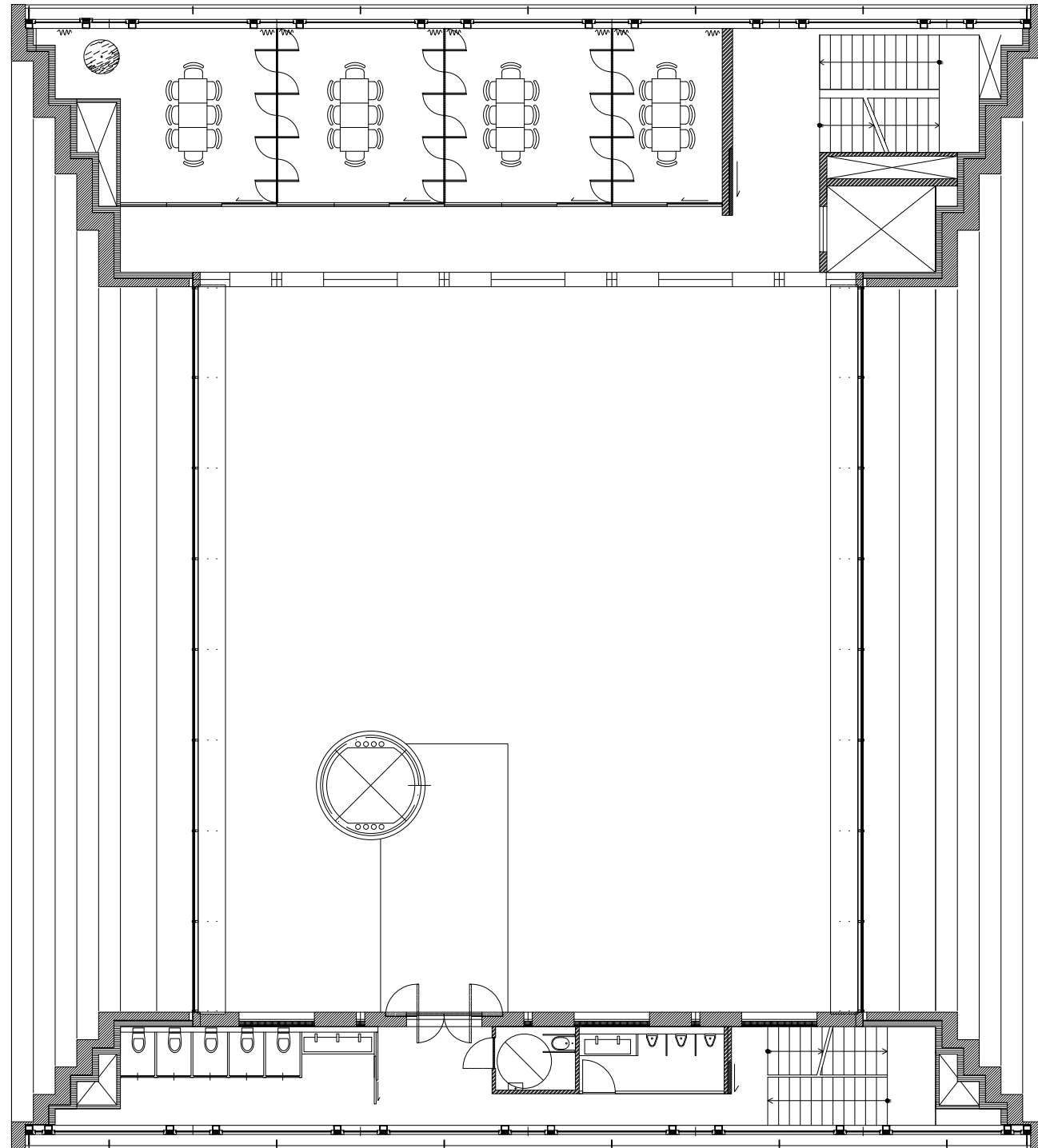


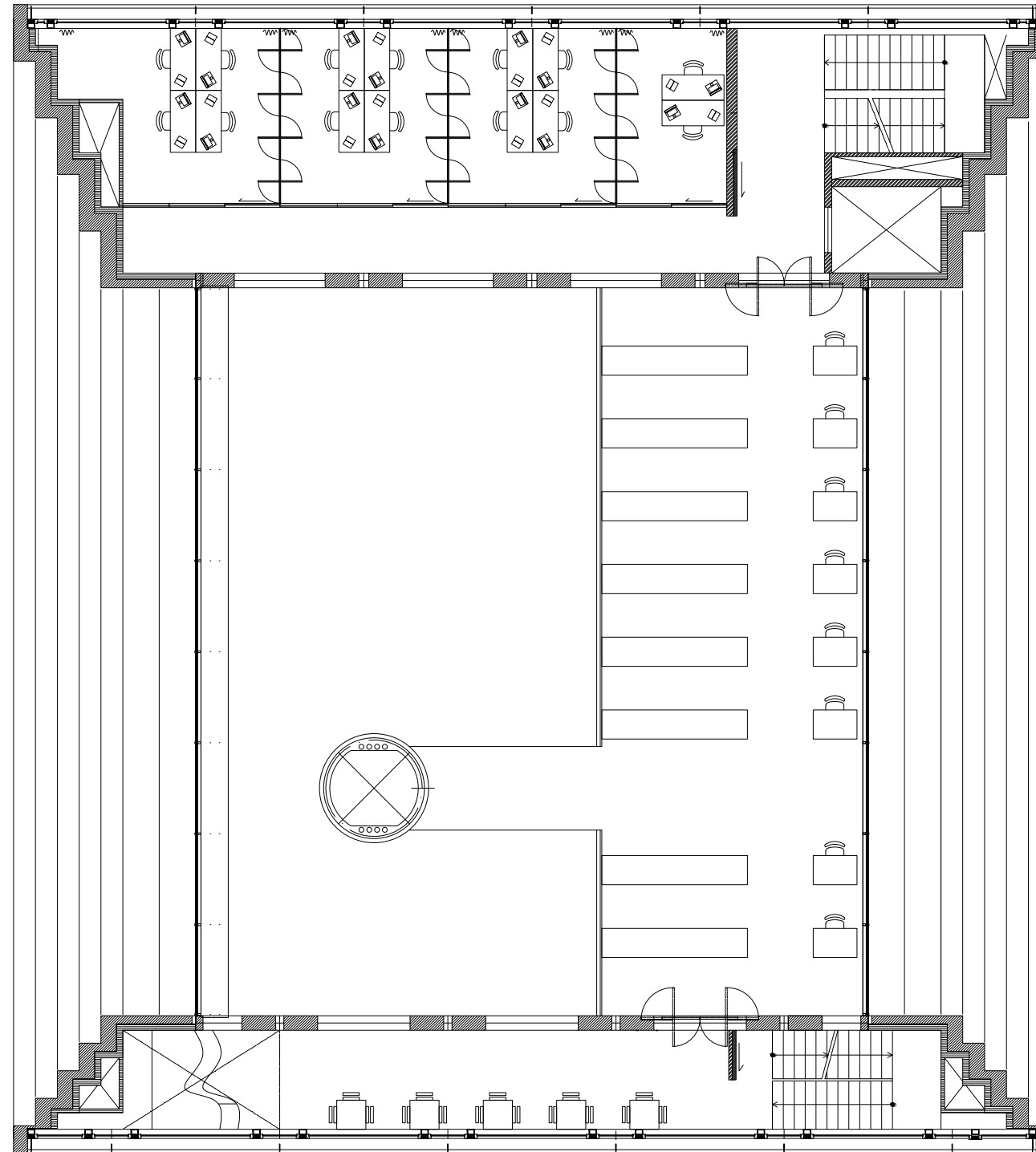


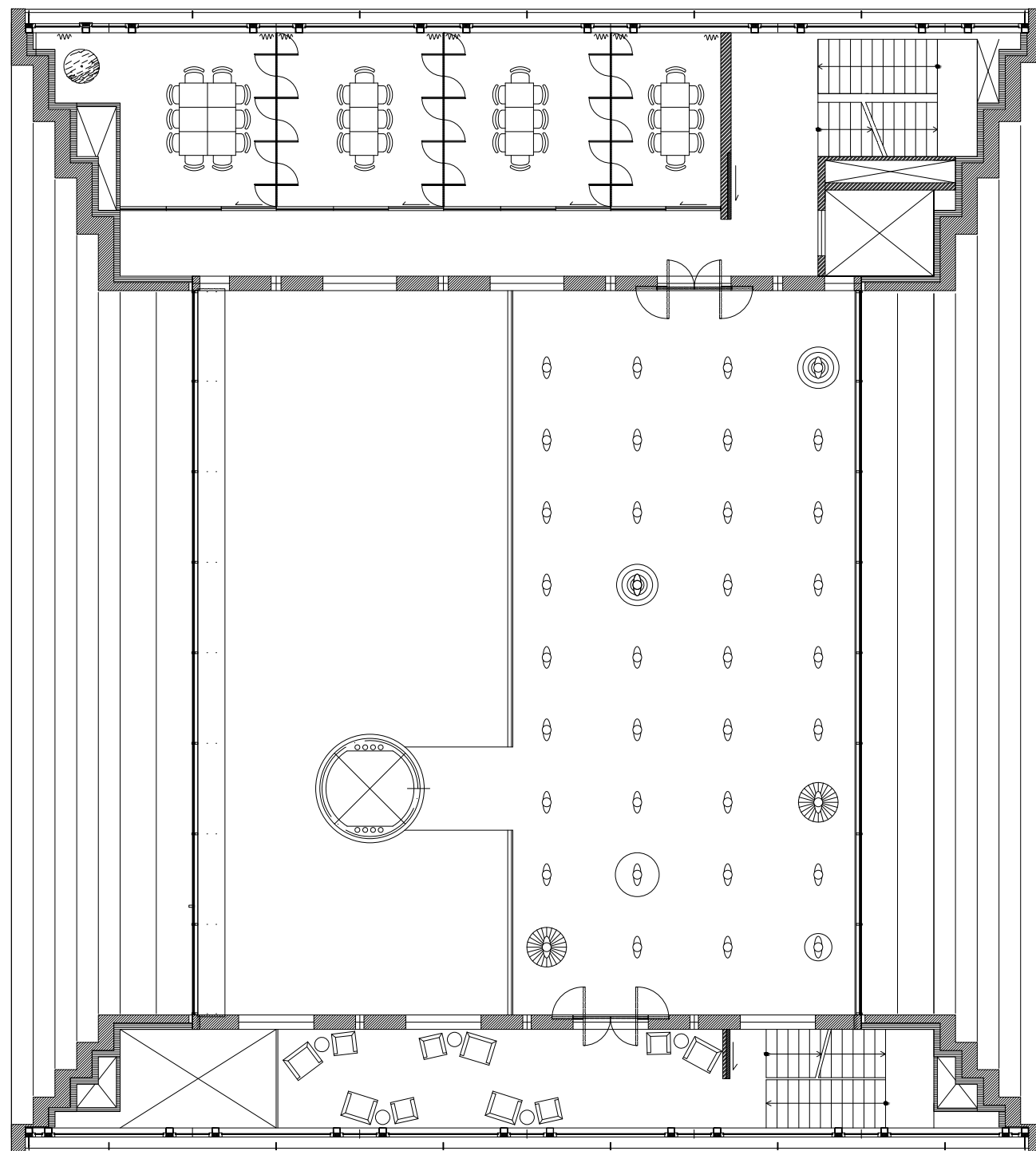


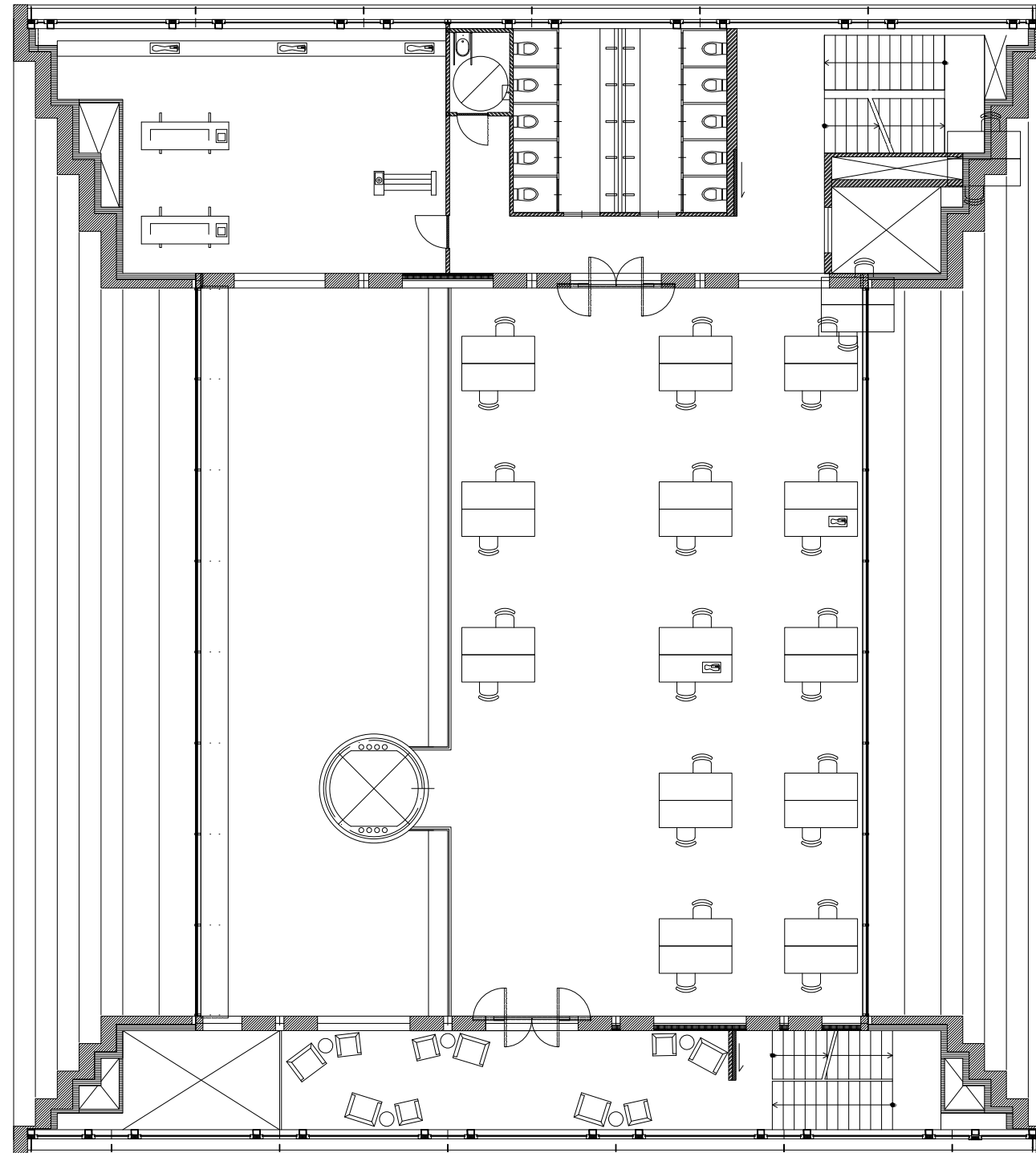


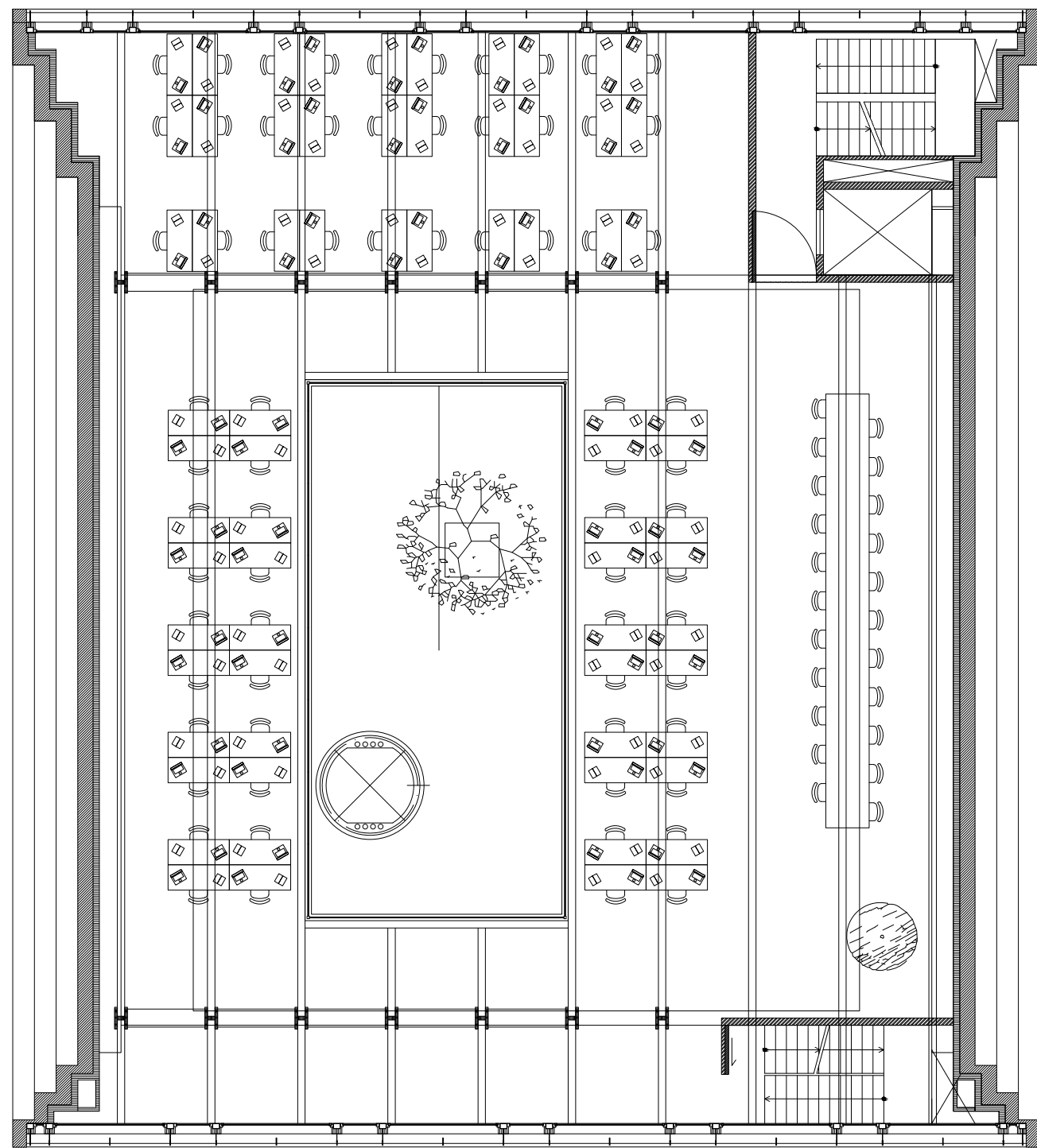


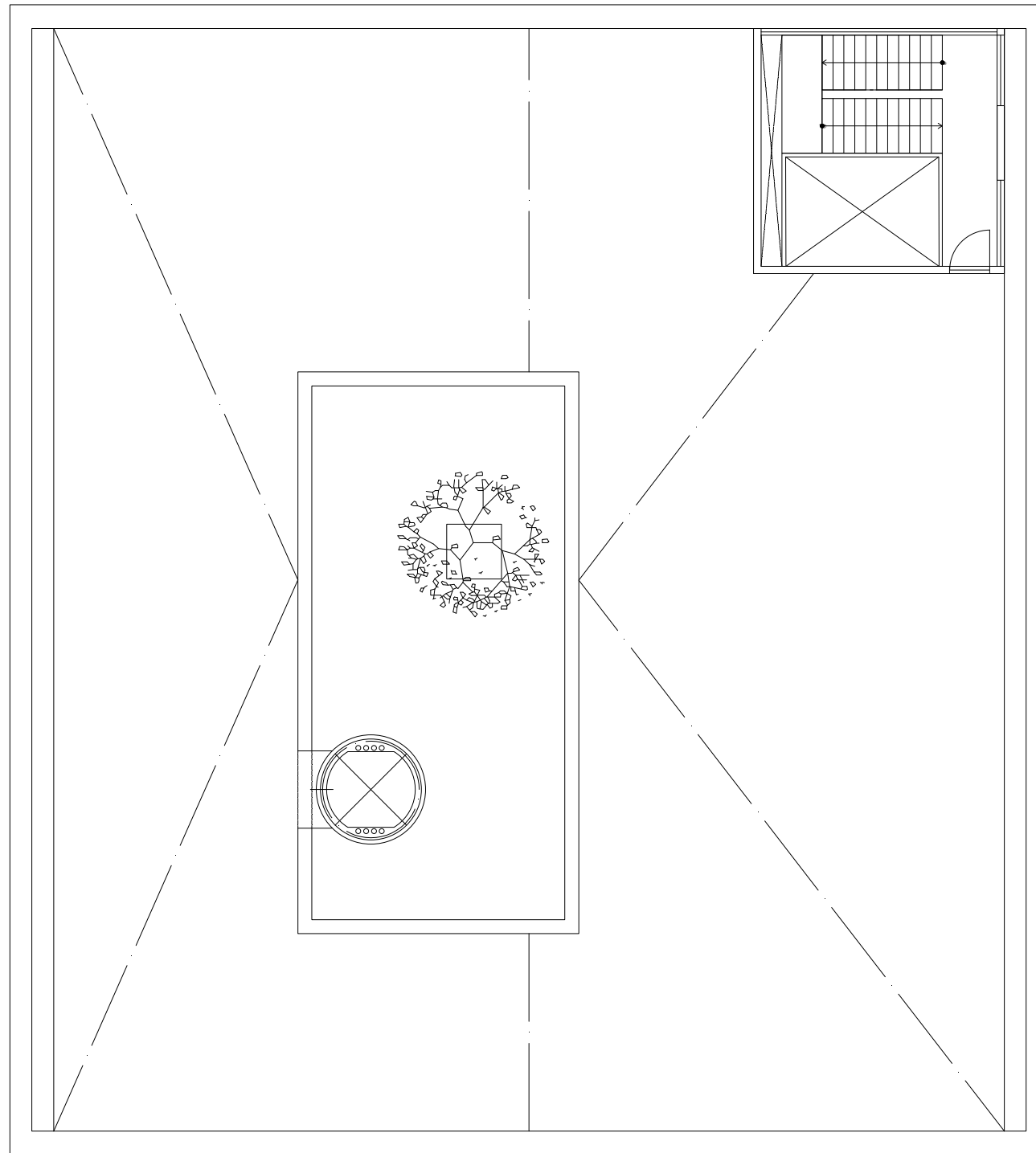




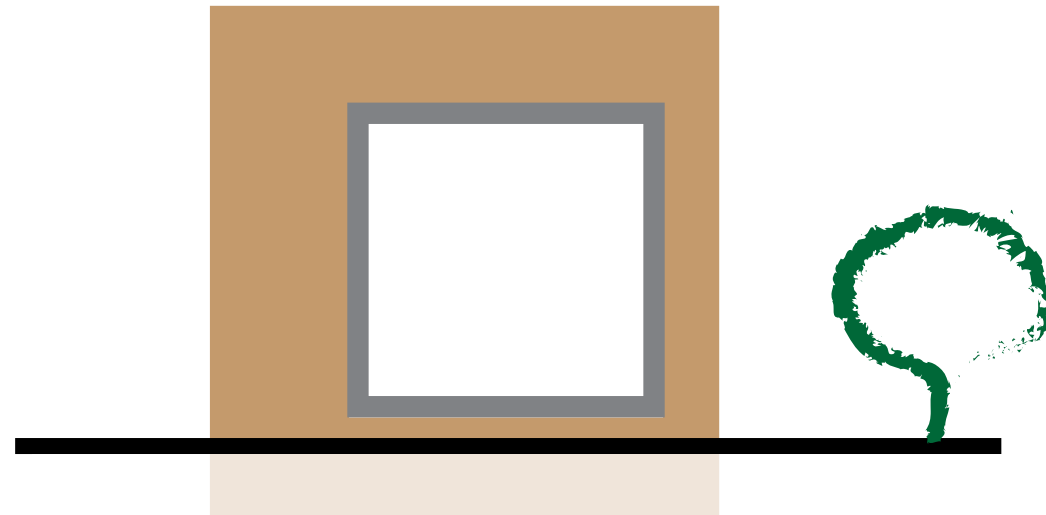






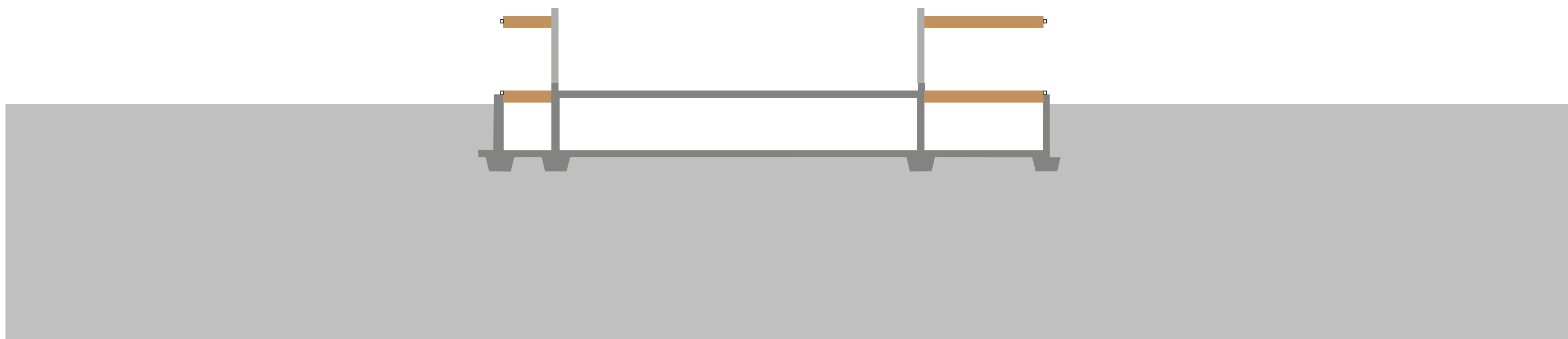


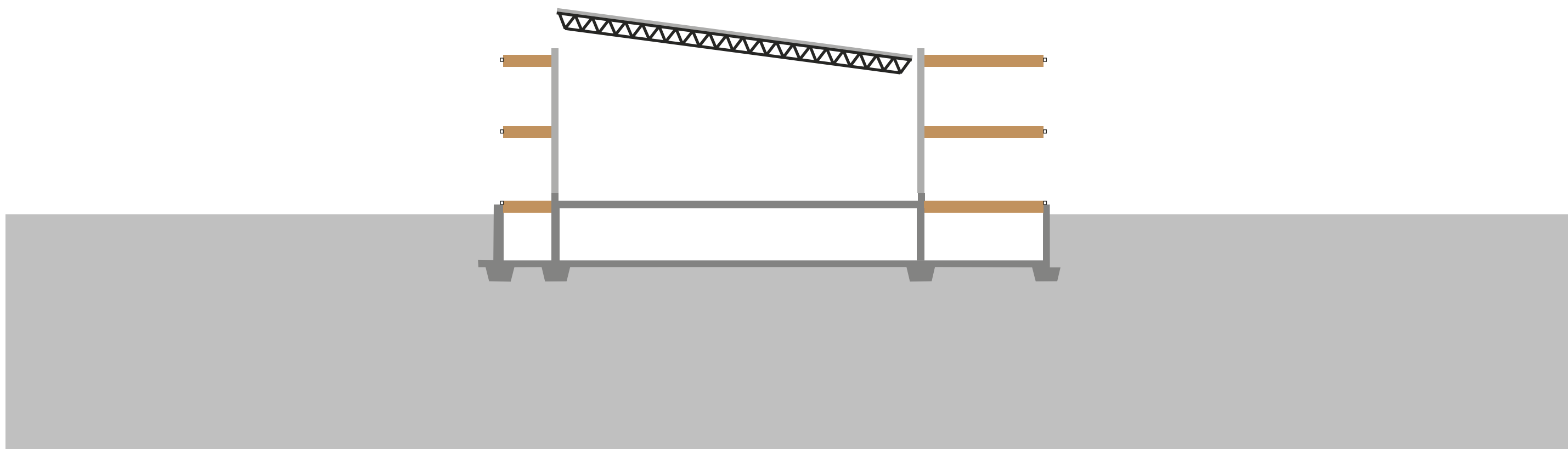


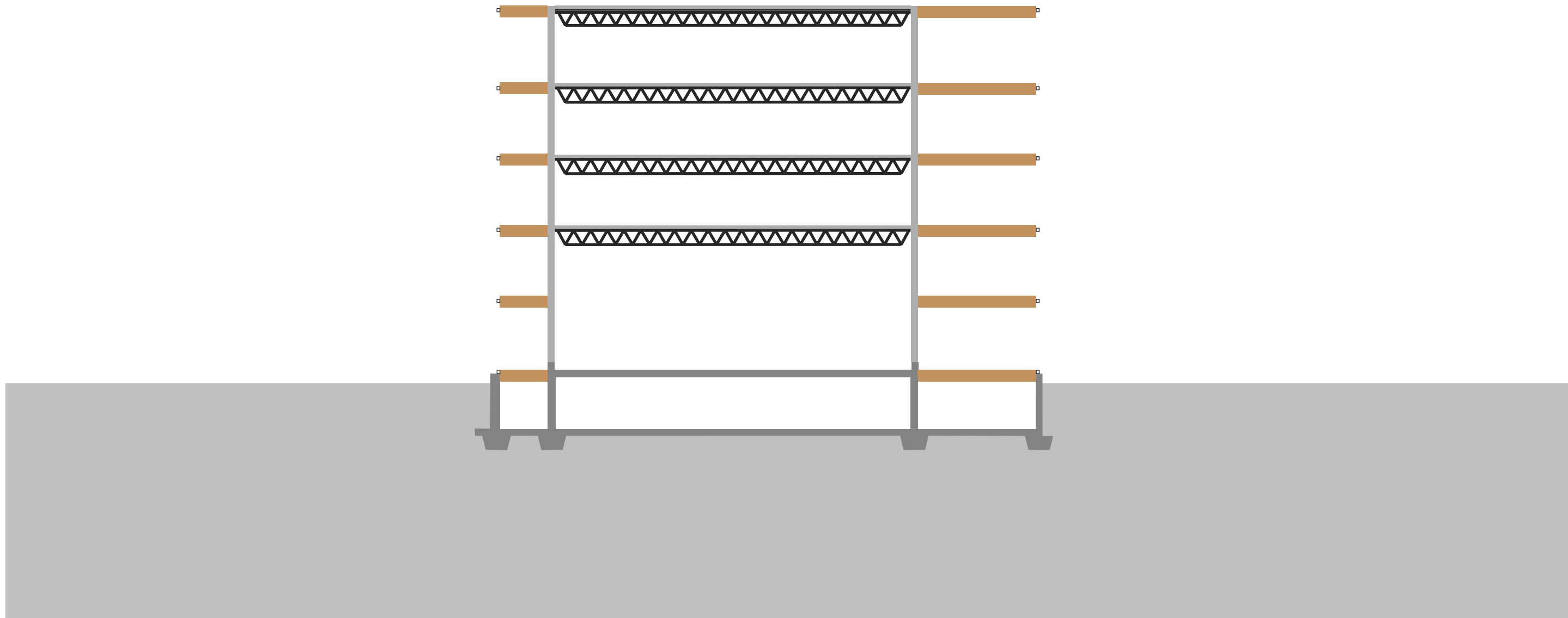


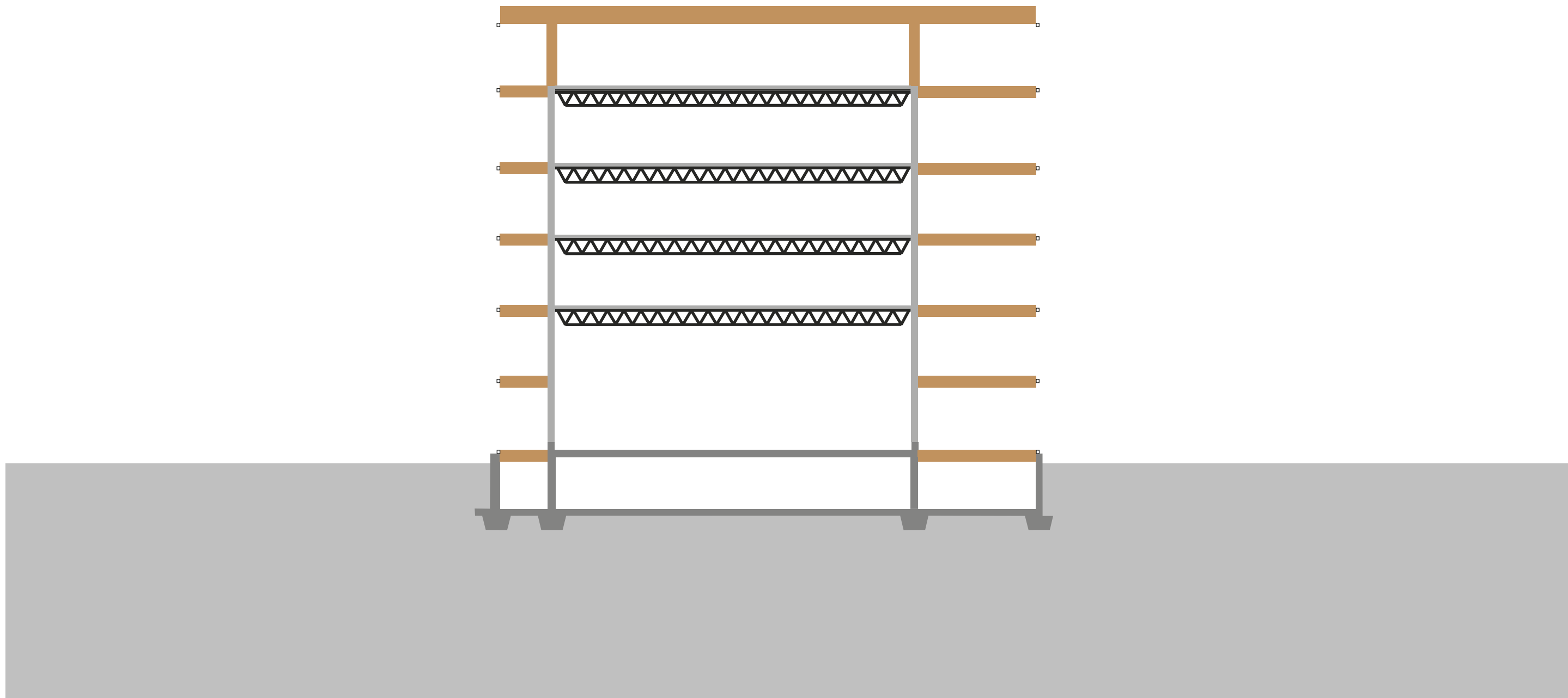
Prefab beton constructie

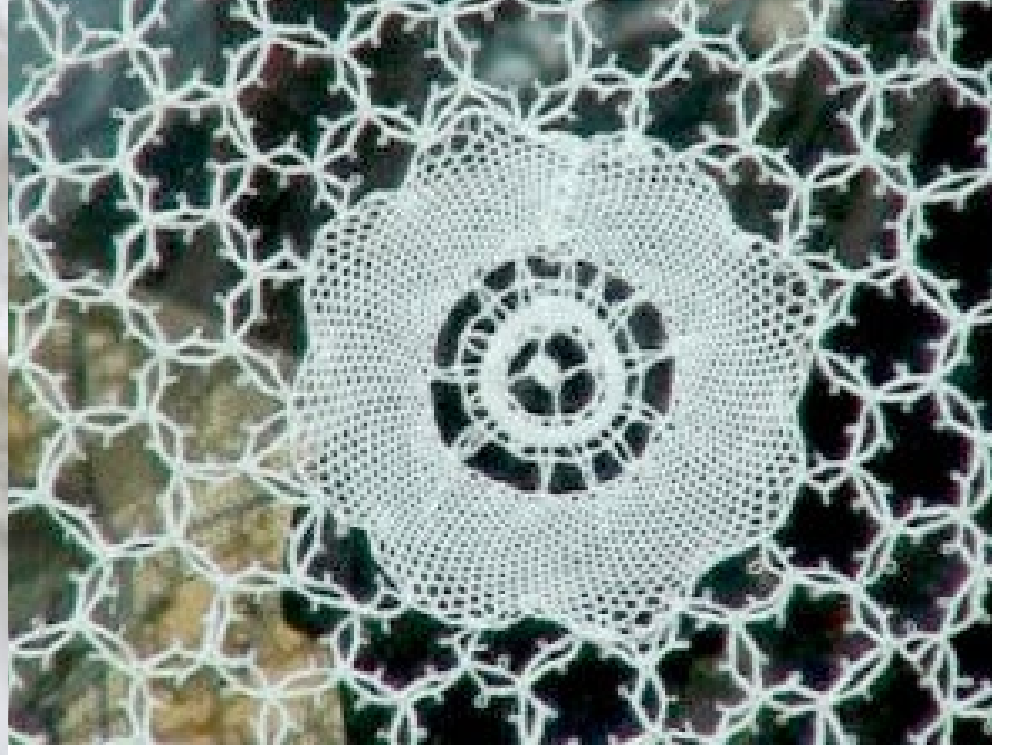










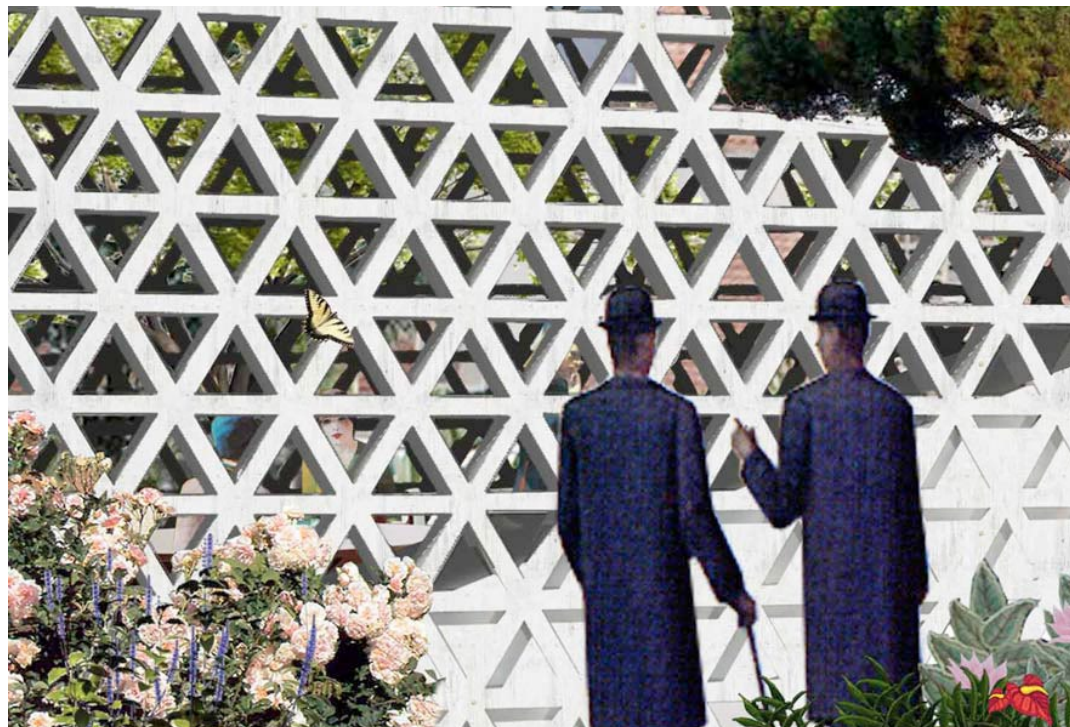


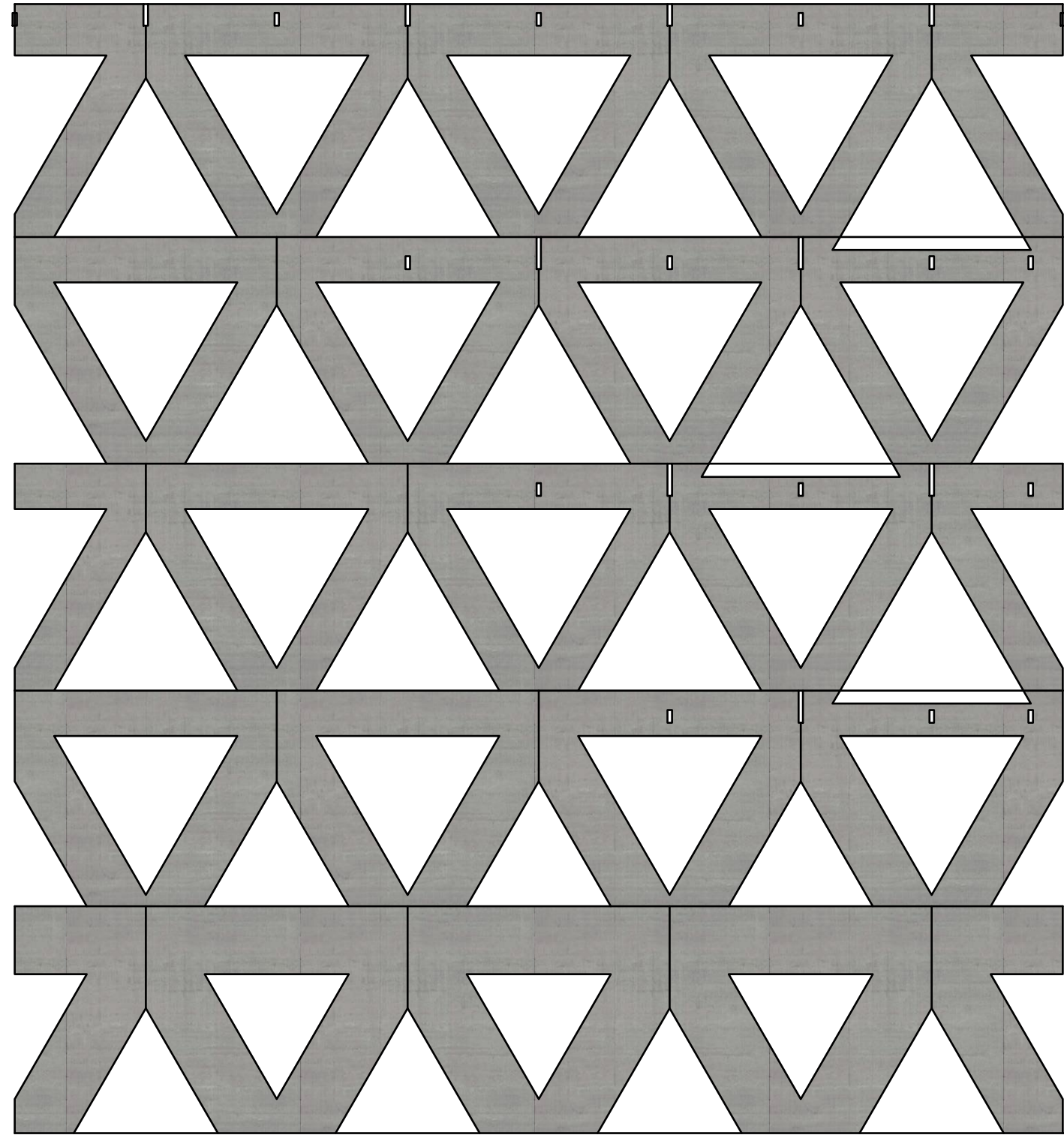
*BEAUTIFUL
inspirational
TREASURES*





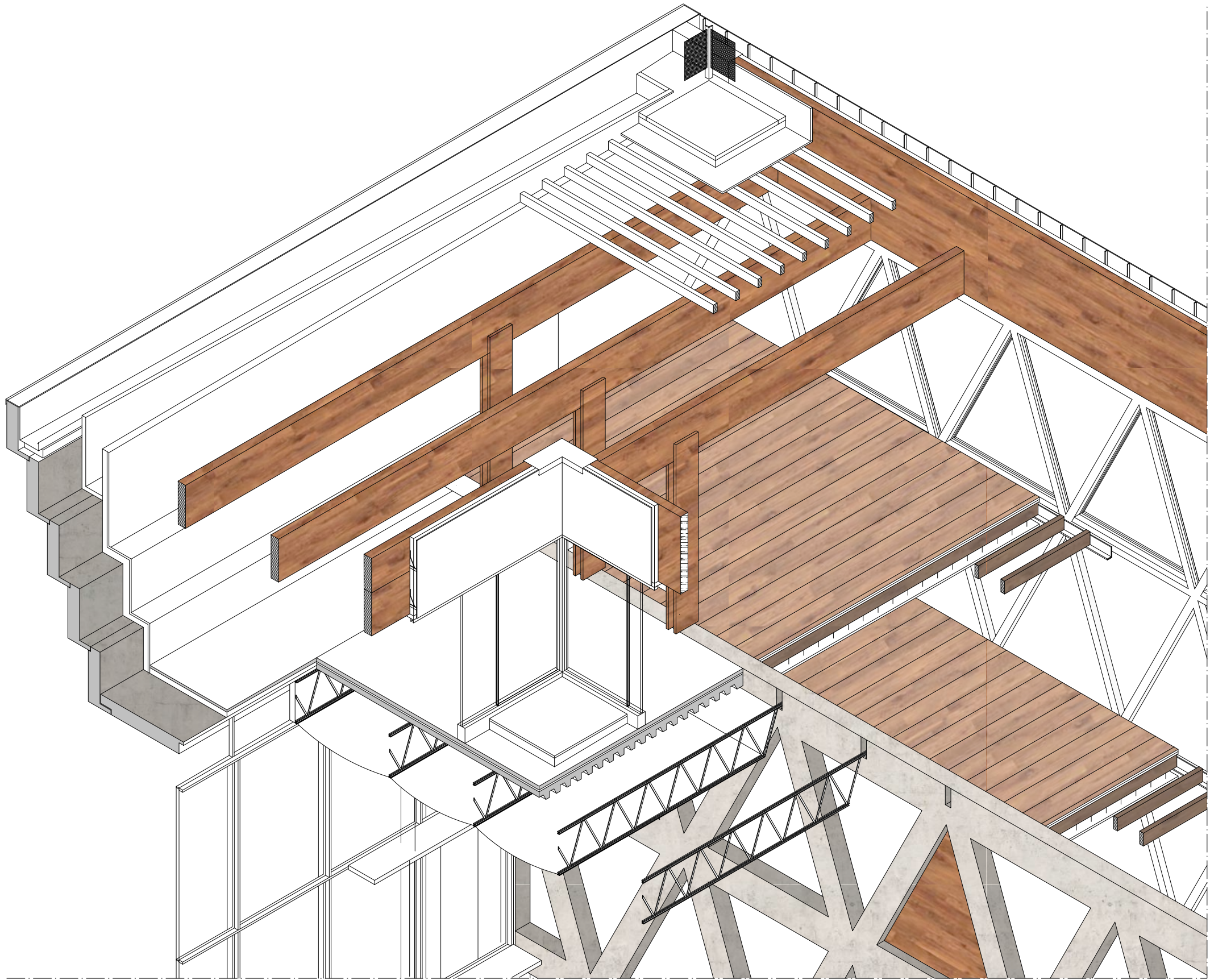


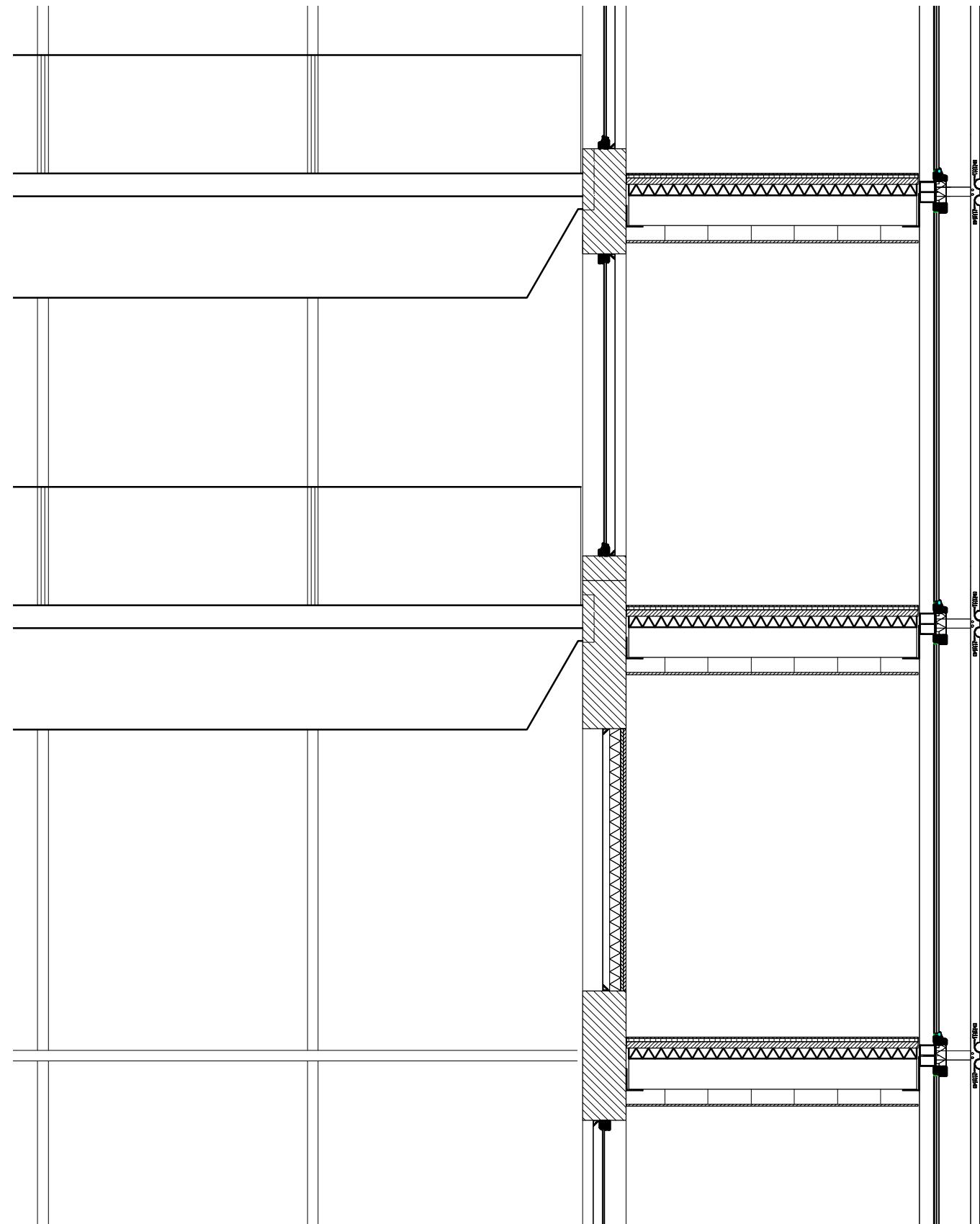




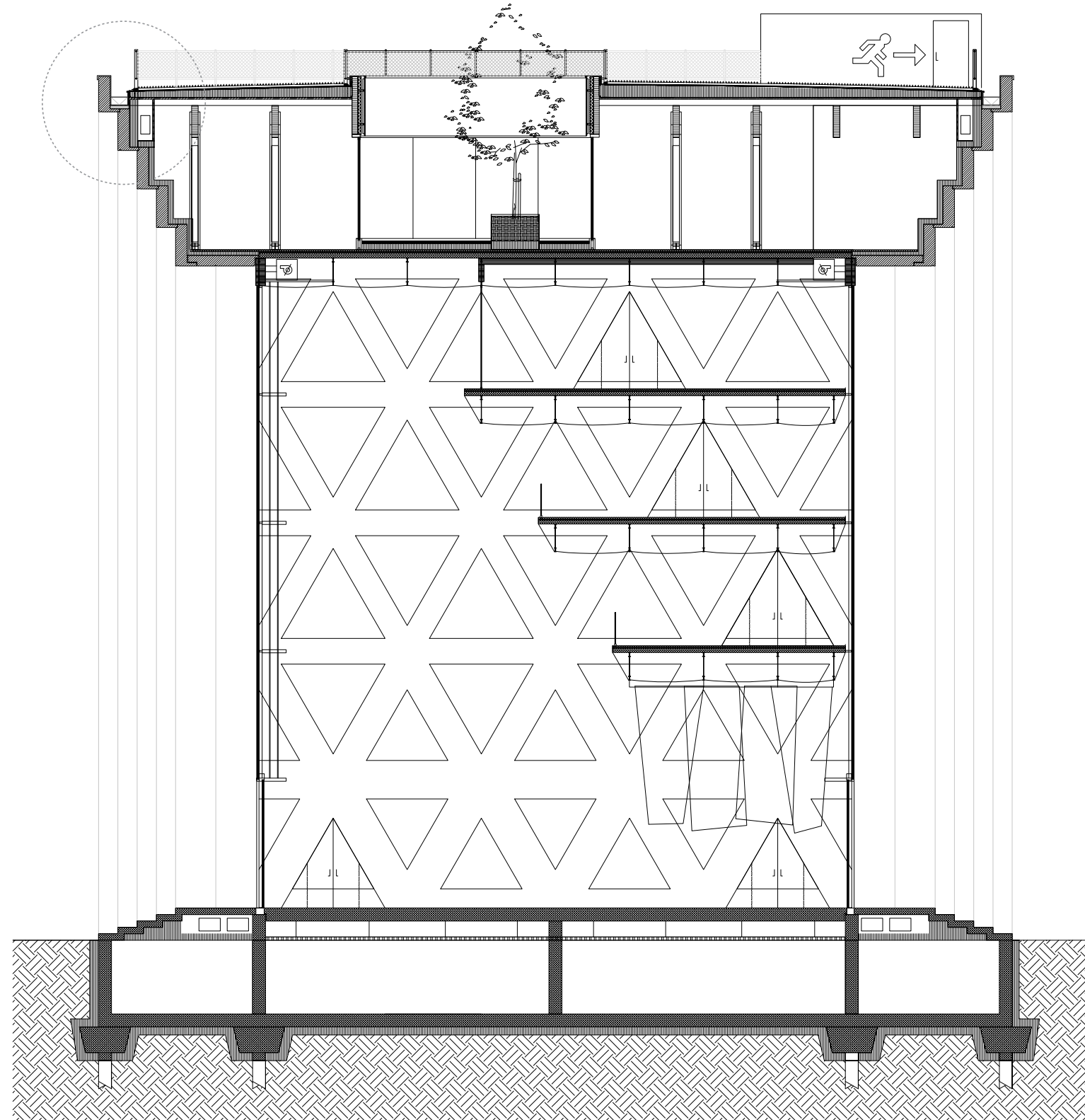




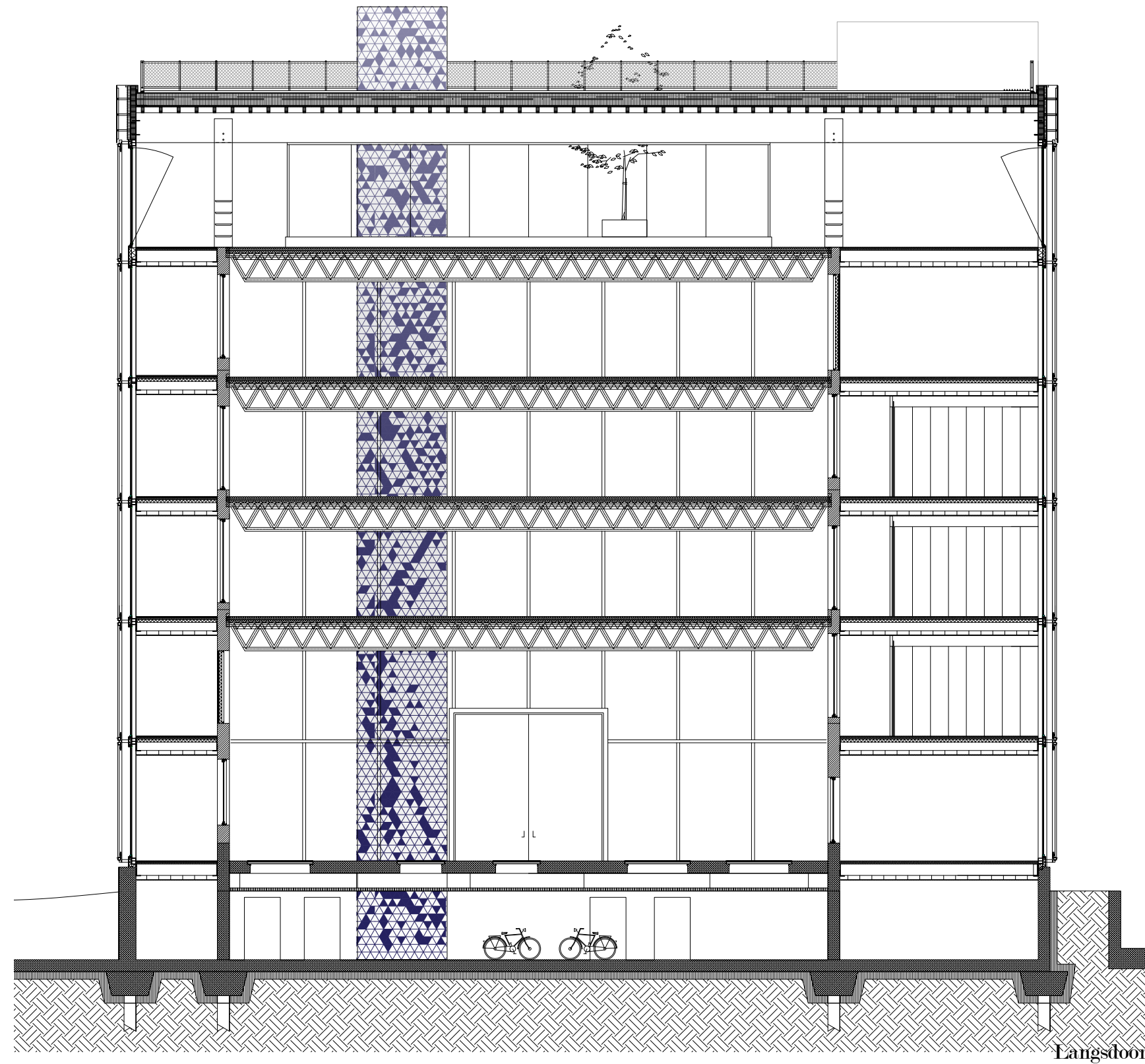


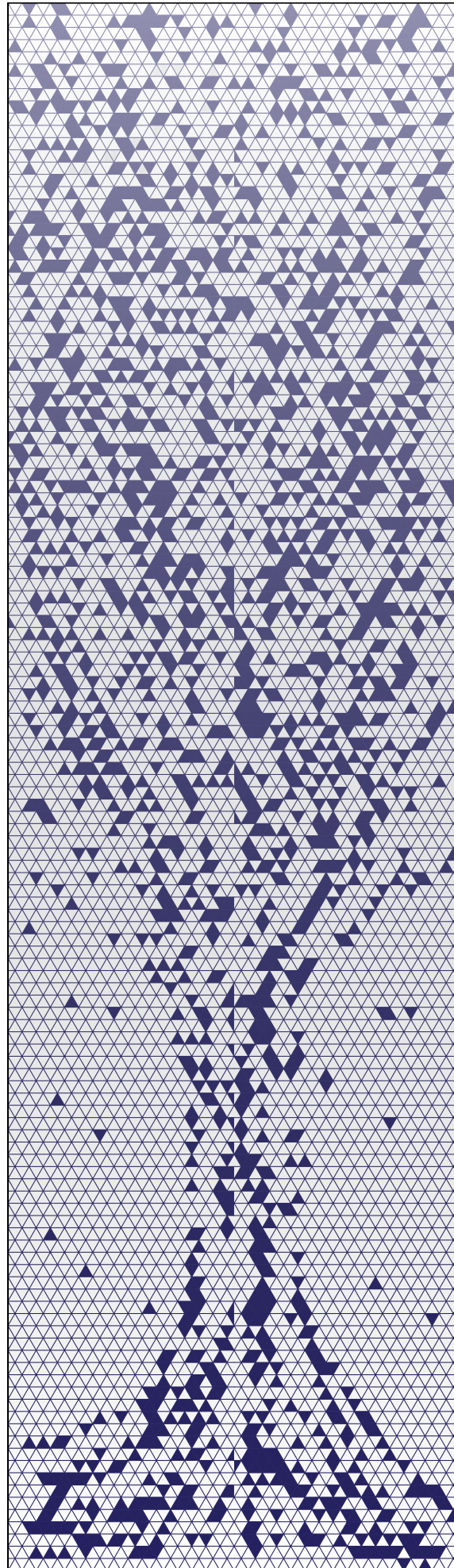


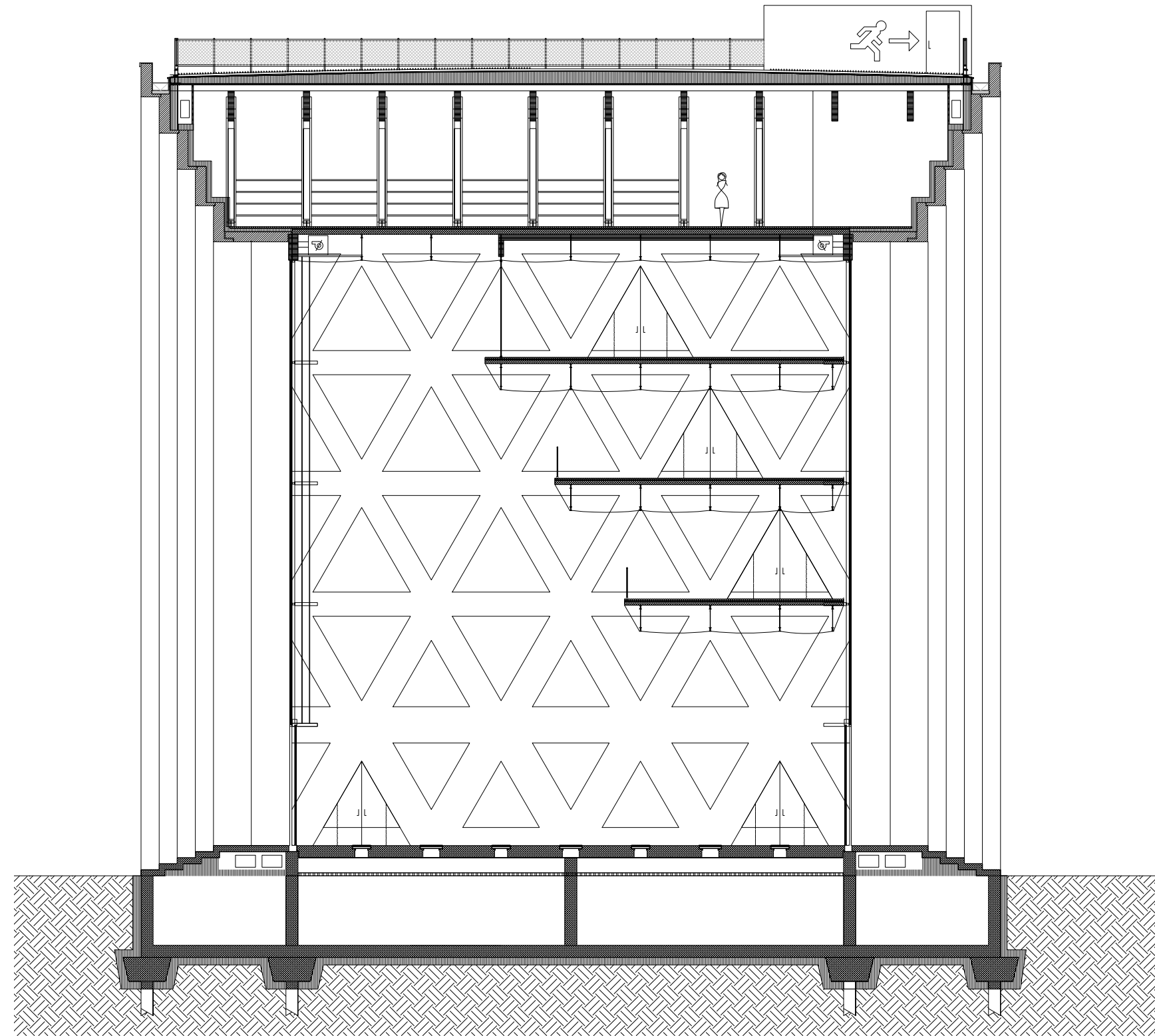




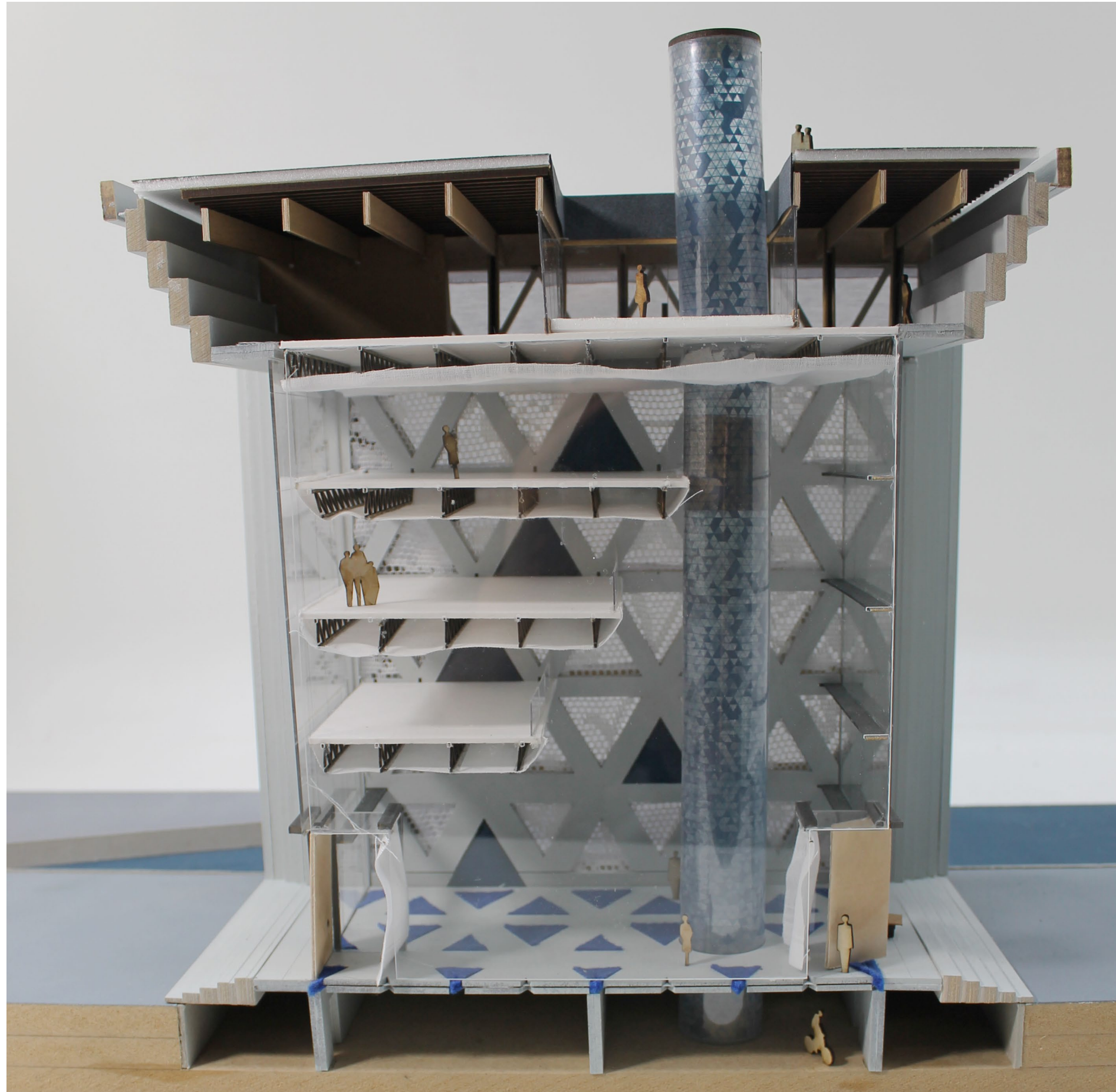
Dwarsdoorsnede cc'



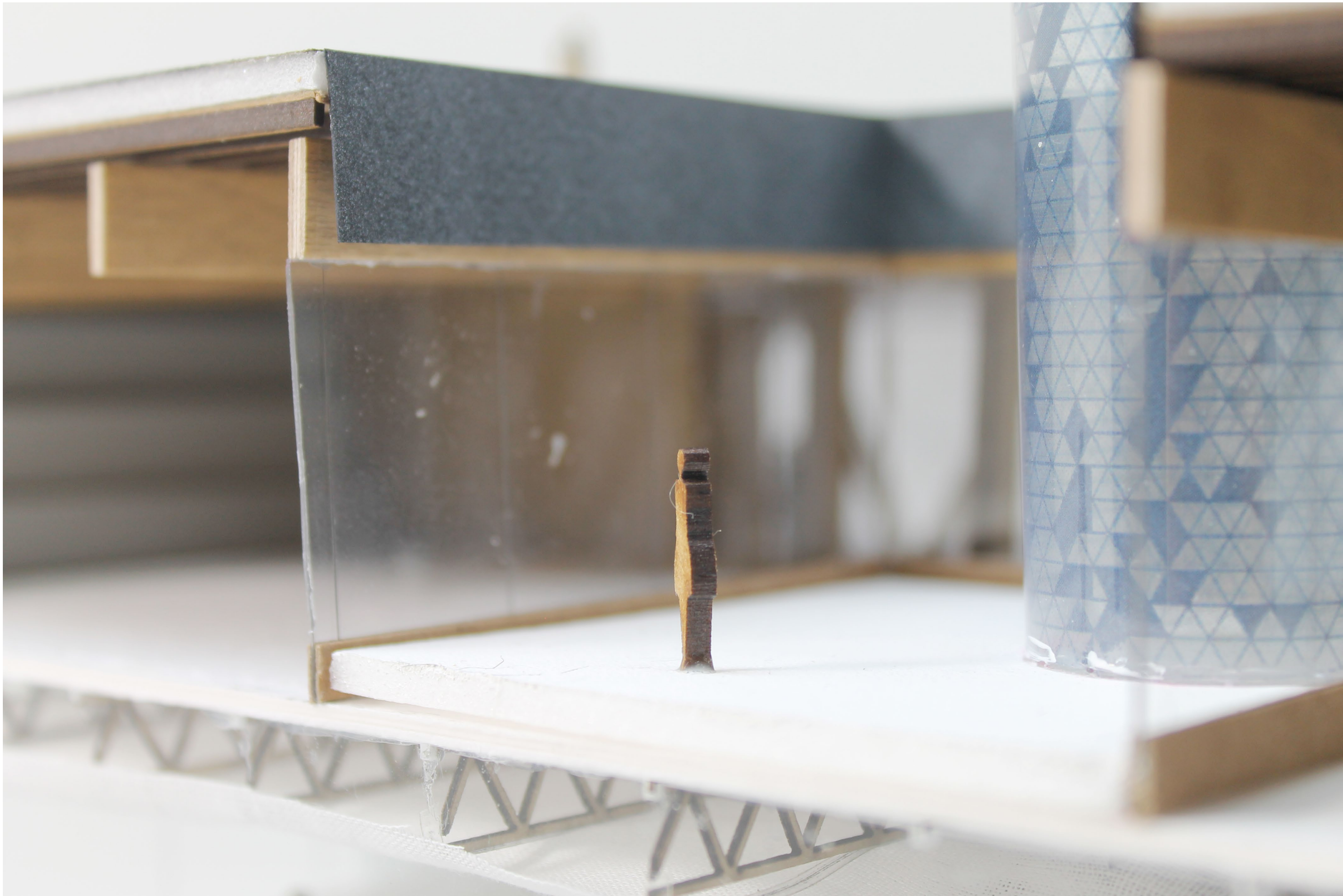




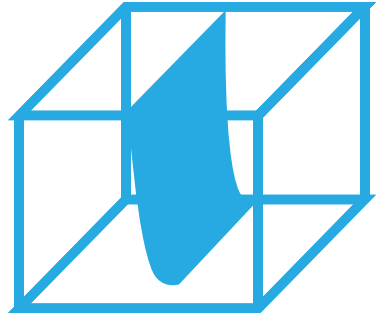
Dwarsdoorsned

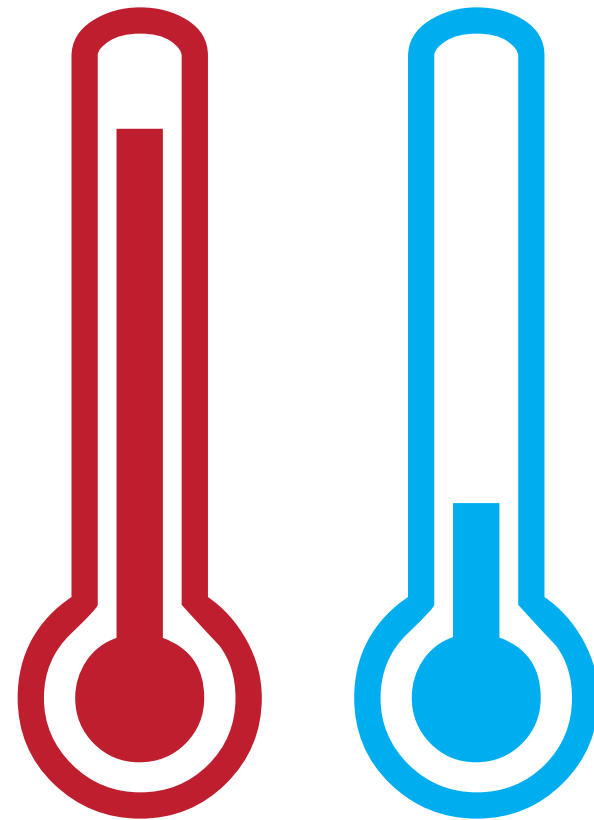


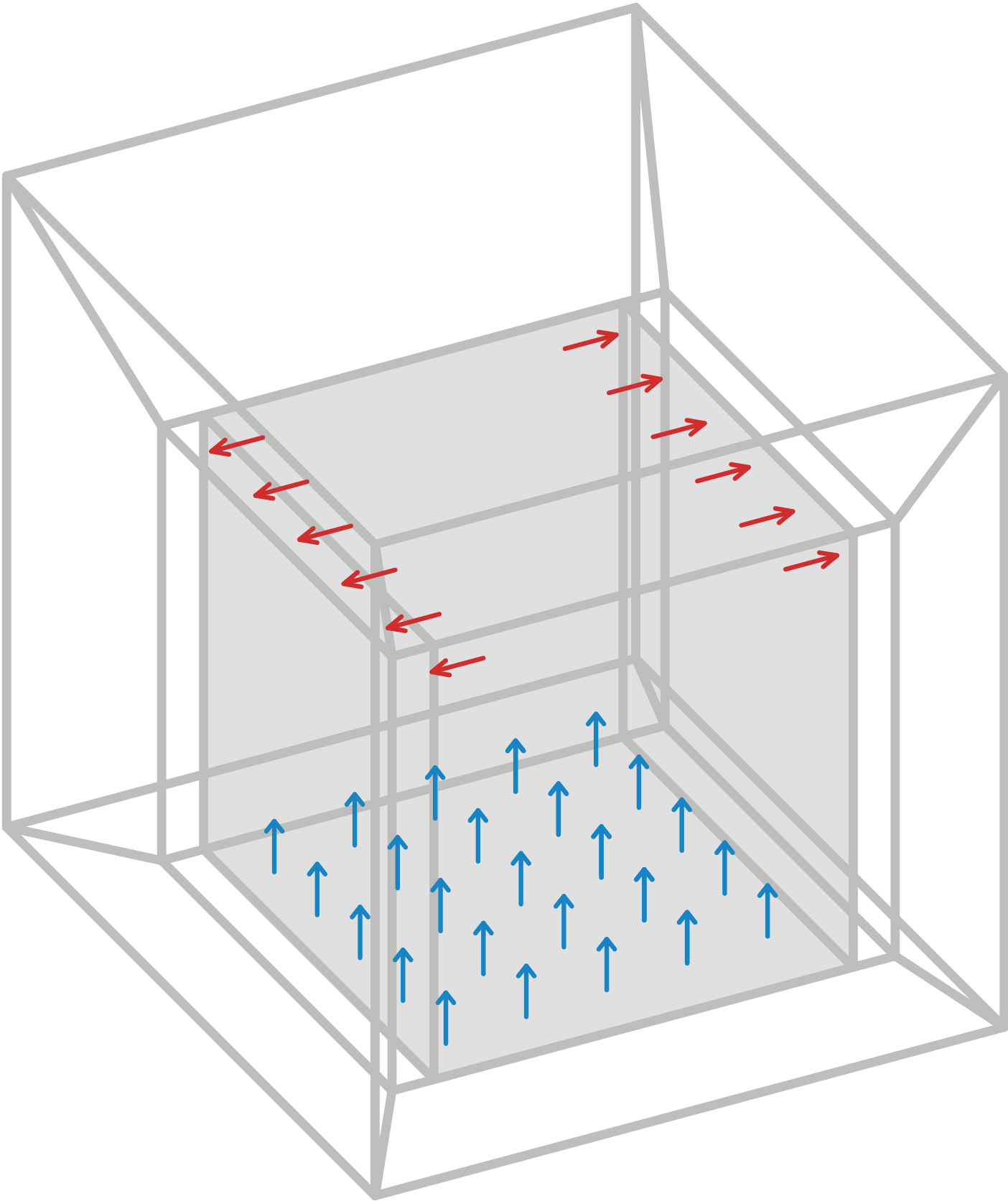


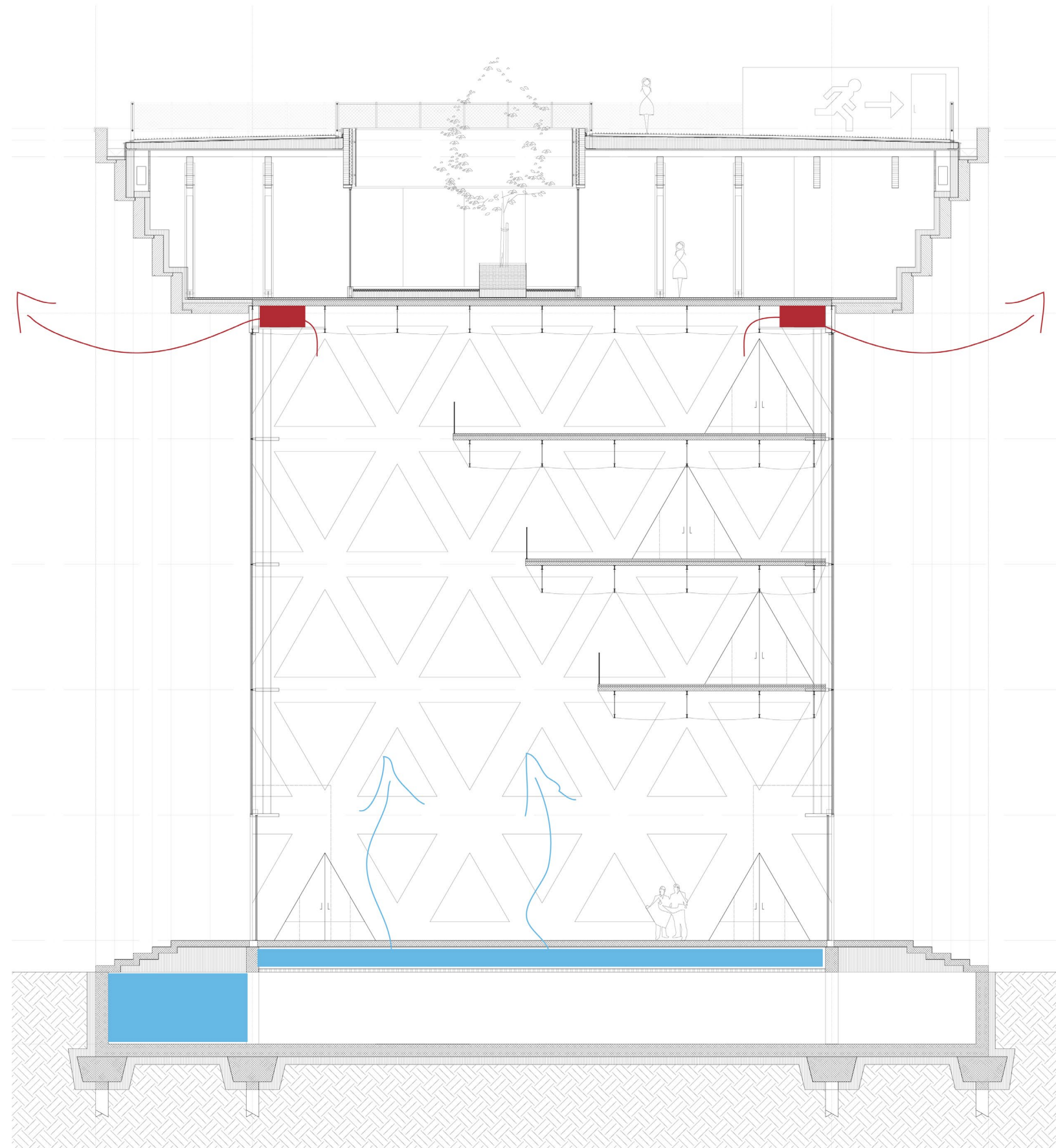


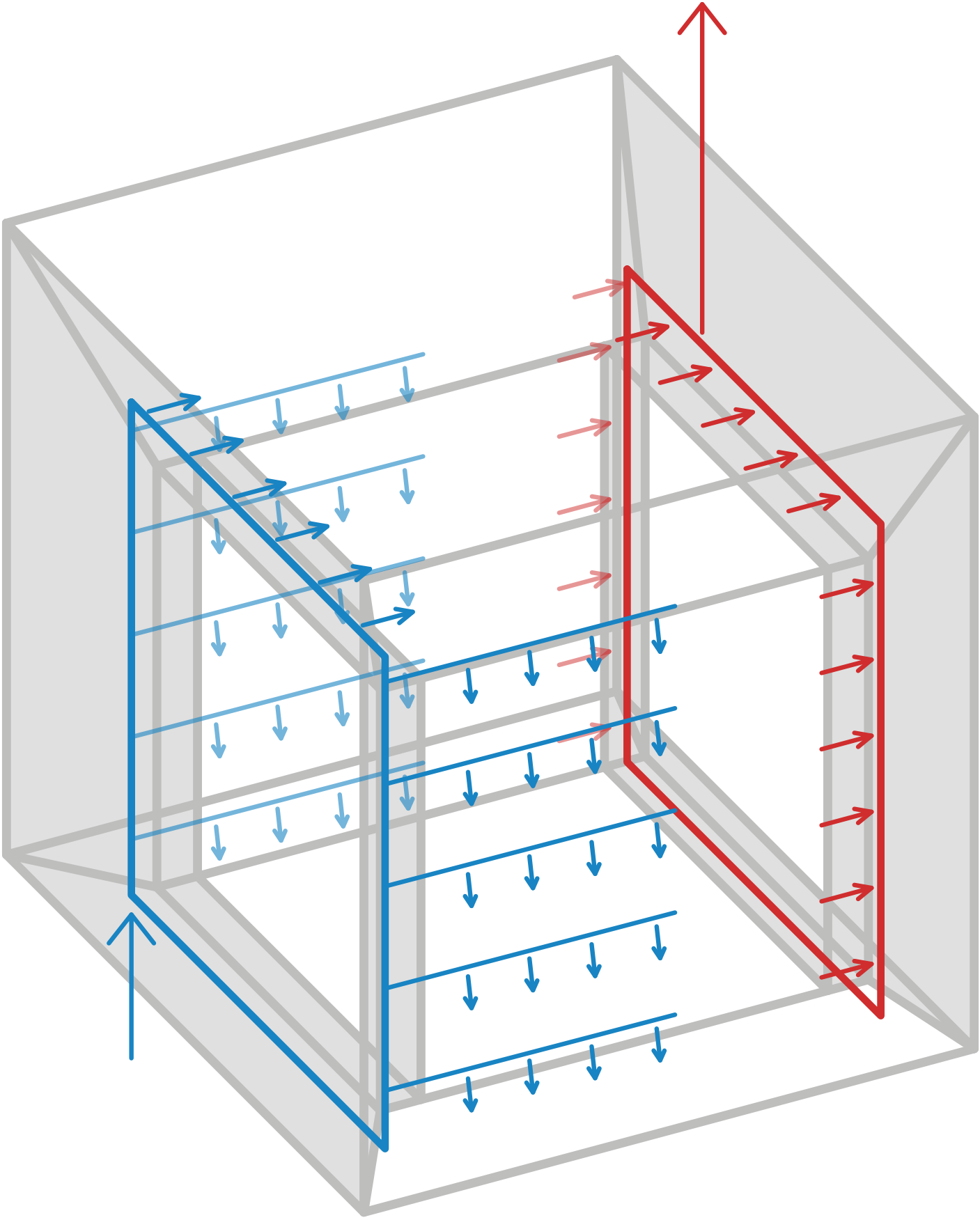
Gebruik van Textiel

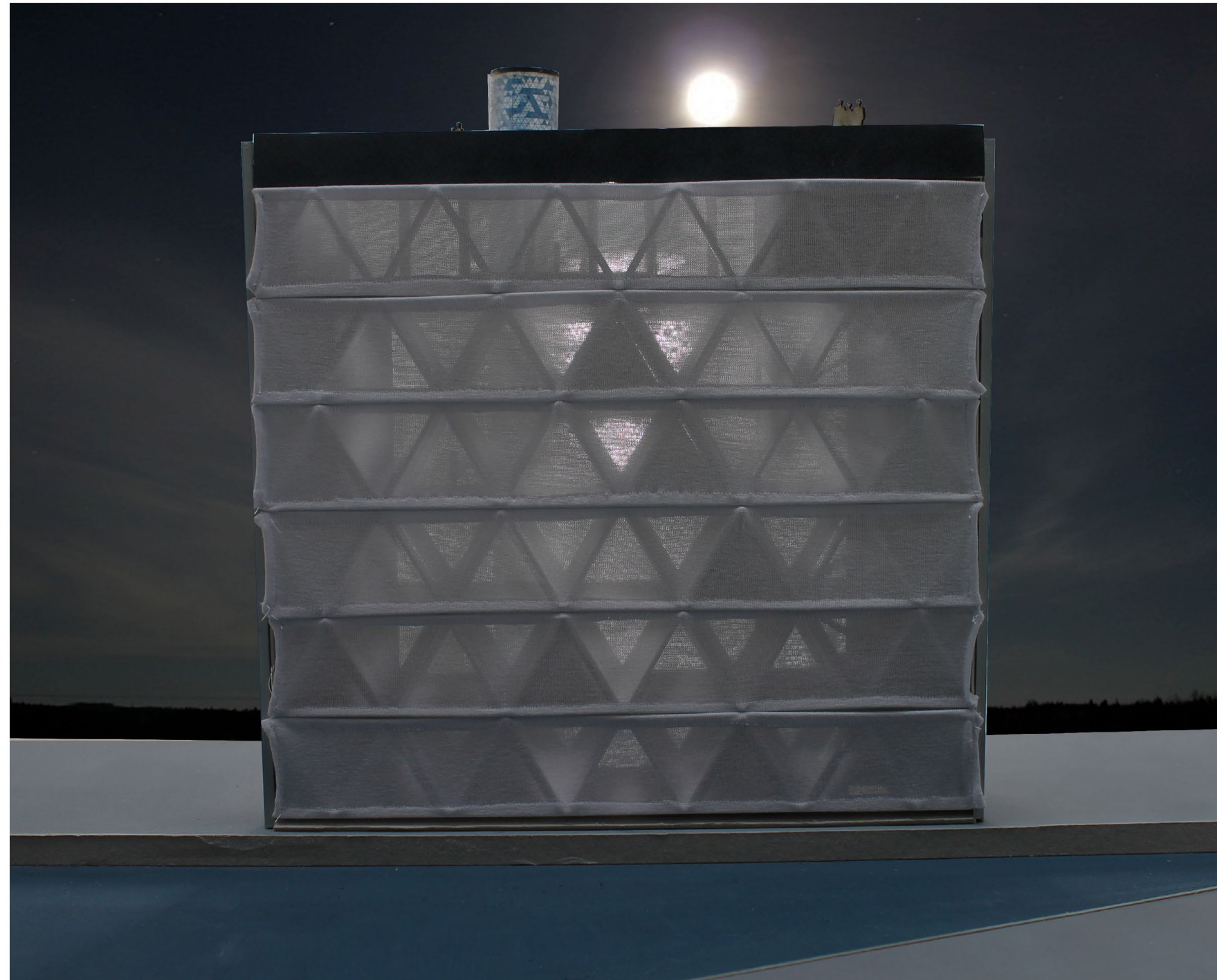
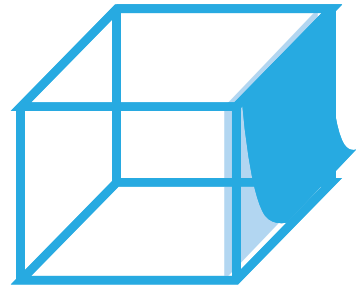


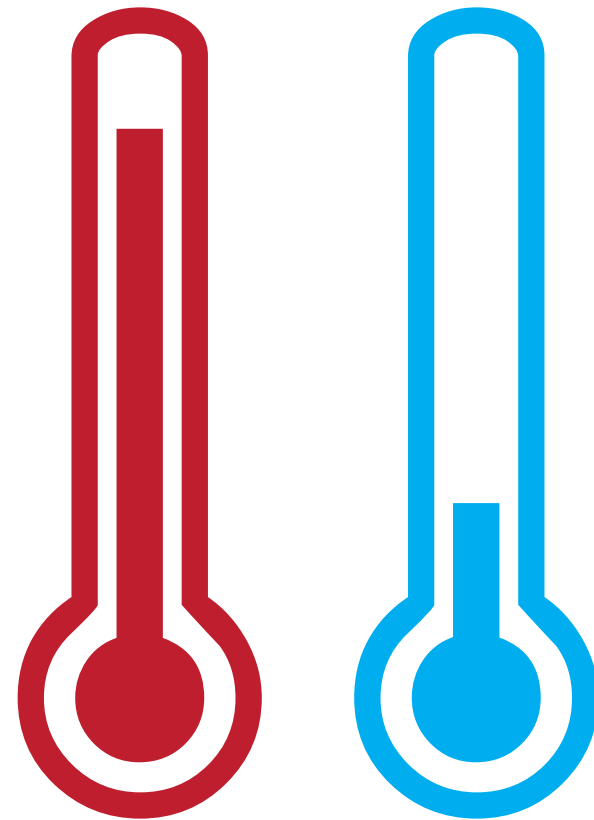


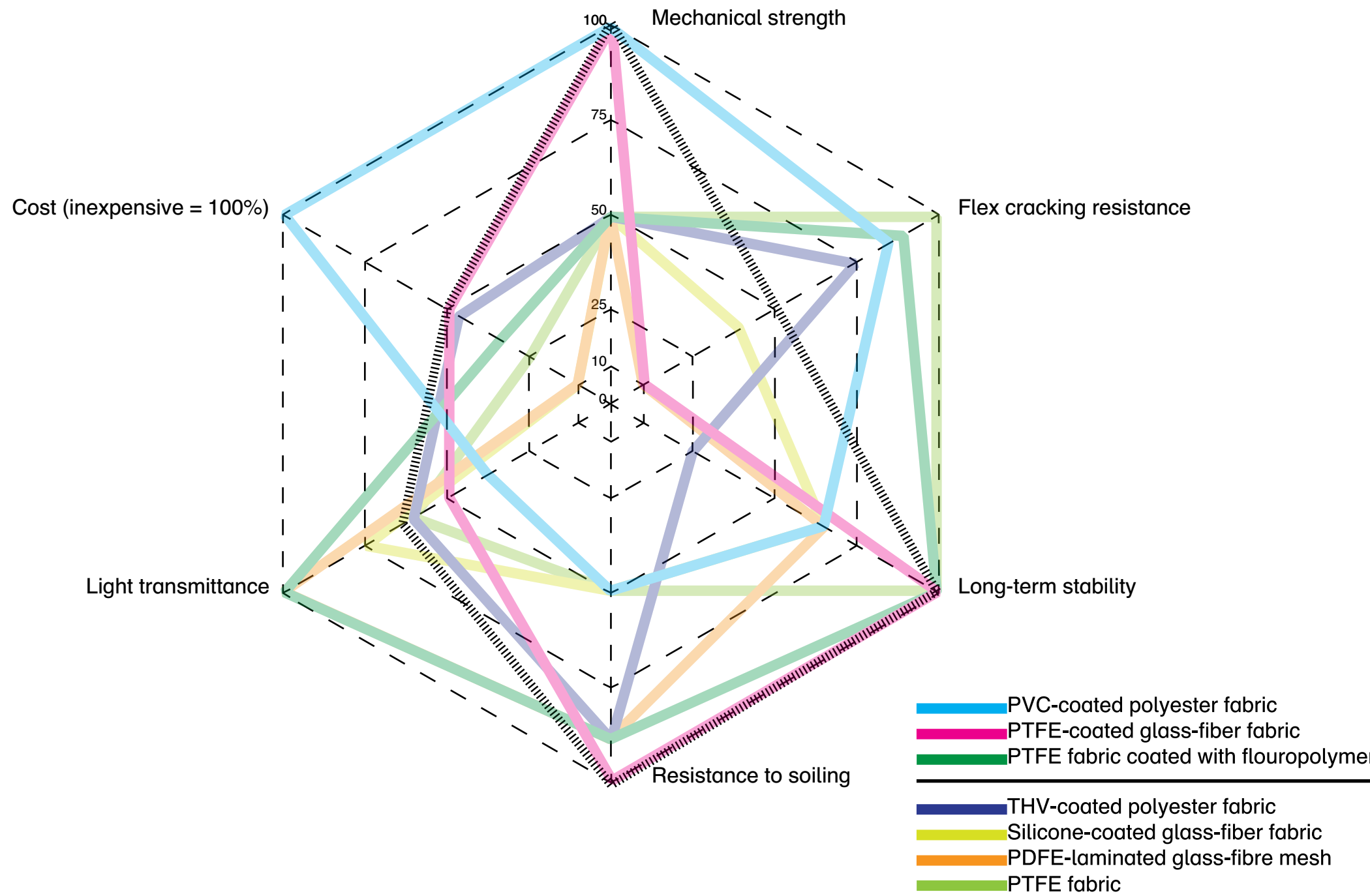


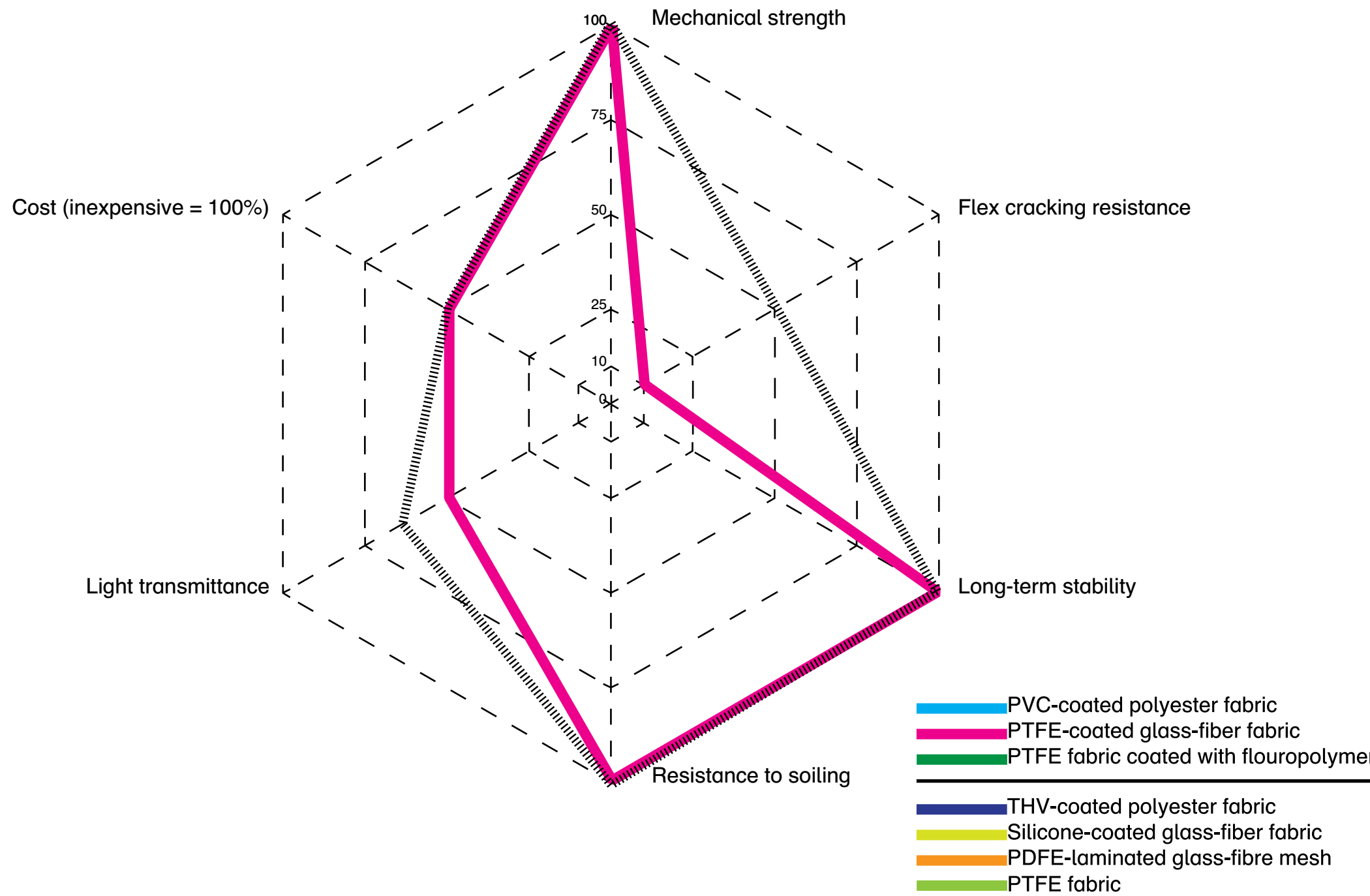






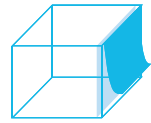






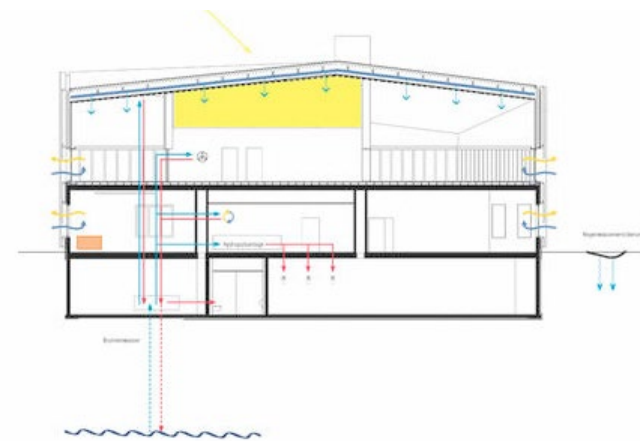
Forschung Sedus Stoll AG, Dogern 2010

Material: silicone-coated, glass fibre fabric
 Designed by ludloff + ludloff Architekten



5.01 View on the building

This research office for the furniture company Sedus Stoll AG has a double façade. The outer façade is made of silicone-coated, glass fibre fabric; this translucent membrane protects the building from sun and rain and is ideal for rear ventilation. So this façade is lowering the energy bill. 12 metre high aluminium profiles attach the fabric to the steel tubing frames. Springs in the holding profiles will maintain the tightness in the fabric as the construction changed due to temperature fluctuations.¹



5.02 Climate scheme



5.03 Inner façade is showing during construction



5.04 Detail from the outer façade

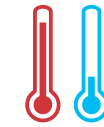
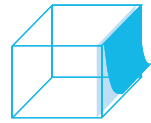


5.05-07 The façade during sunset

¹ SCHITTICH, C. 2013. Research and Development Centre in Dongern. *Detail*, 53. #1/2 p 32-37.

Westraven, Utrecht 2007

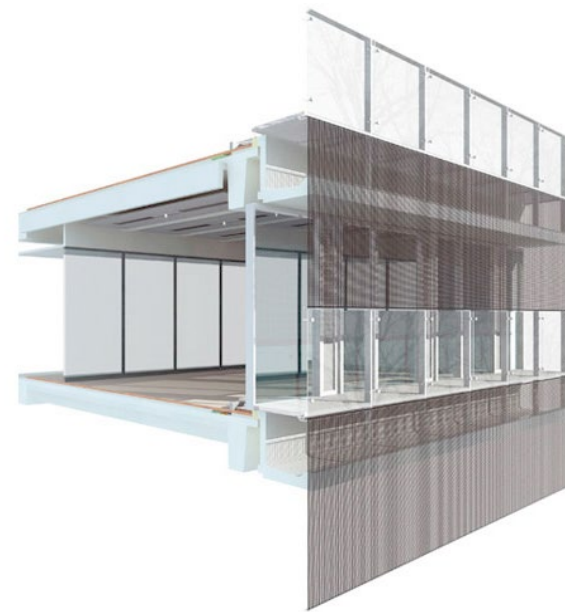
Material: Duraskin® B18971 - Glass Fibre EC 6, PTFE (Verseidag-Indutex)¹
 Designed by Cepezed (renovation)



6.01 Overview of the Westraven building

The Dutch Department of Public Works (RWS) has high regard for sustainability and innovation. The architects from Cepezed were up for the challenge to make the new RWS building a combination of technical innovation and functional beauty. After thorough consideration and calculation, between a new building and renovation of the old building with sick building syndrome, RWS concluded that renovation was the best option. The construction of the high-rise is built in the early seventies and had a limited spatial experience. Multiple voids and a new double skin façade give a new expression to the tower. An extension is constructed in the form of the light and special low-rise.

The second skin façade of the tower is all glass on the north side of the building, to block out the noise pollution. On the remaining façades the second skin is made of an alternation of glass and the lighter and cheaper open-weave membrane. The open-weave structure also breaks the wind so draft is reduced to little rotations of wind; on the higher levels opening a window in the thermal façade for ventilation is not a problem. The material is tested on all the technical and functional requirements.²



6.02 3D section of the façade principle

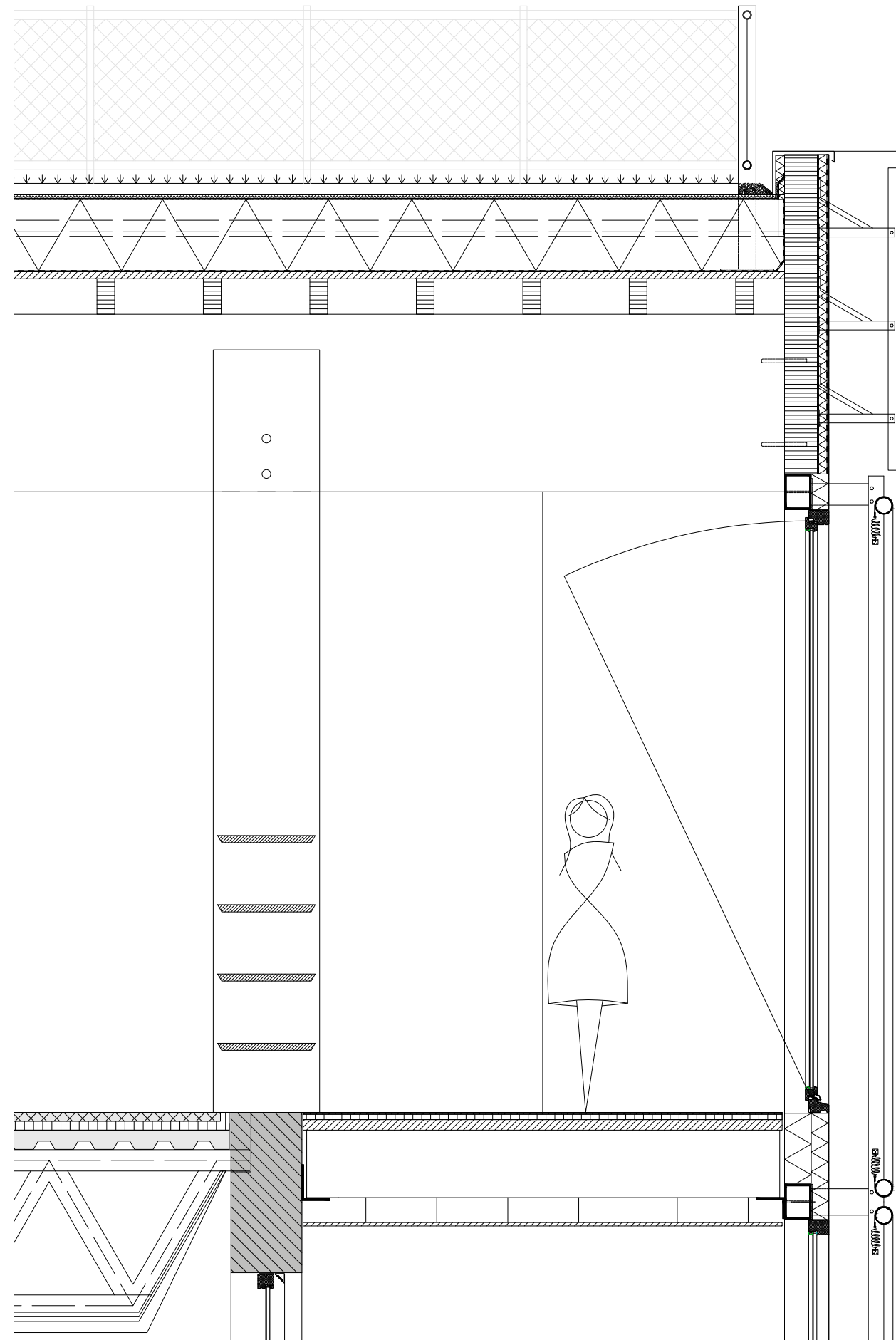


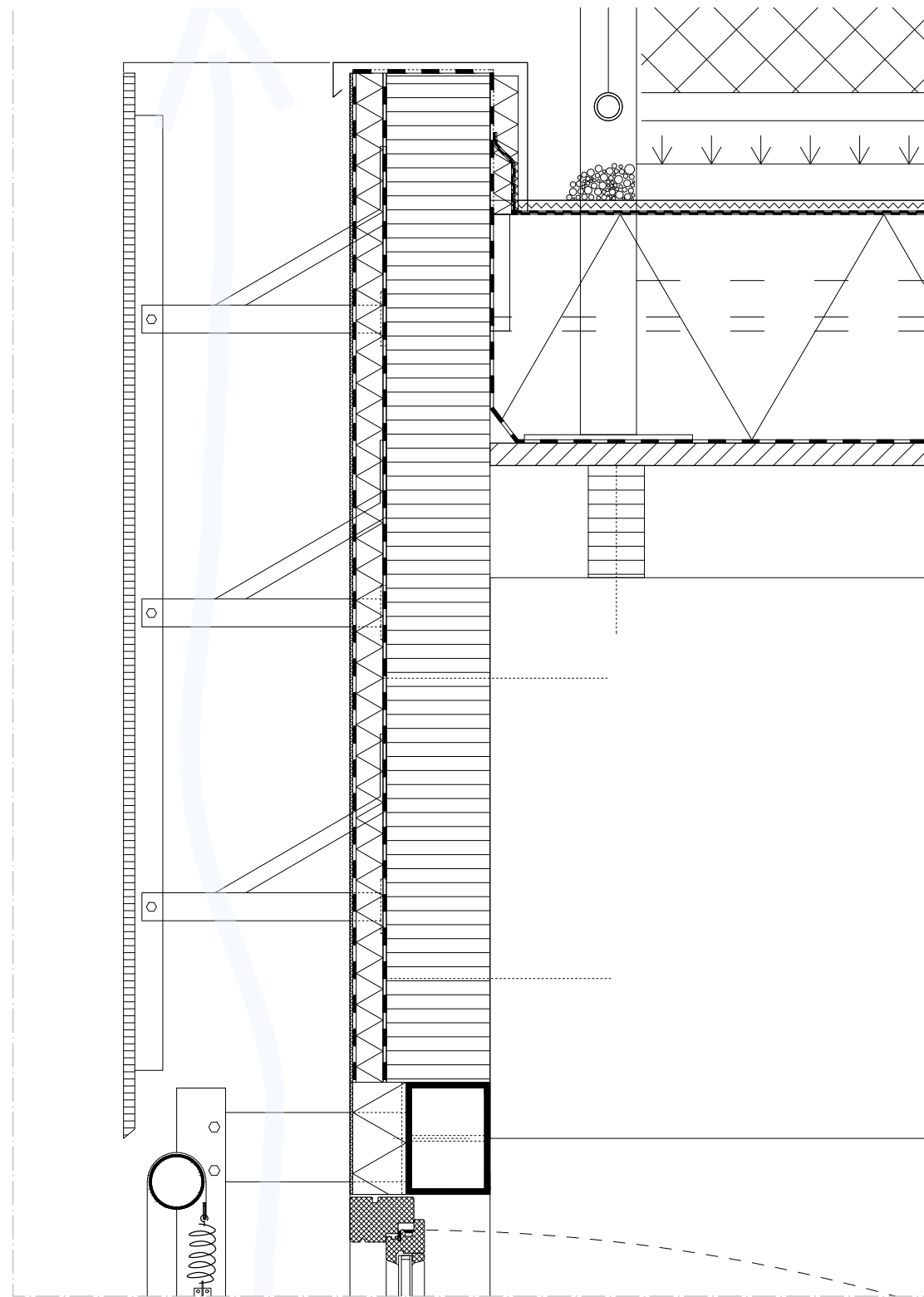
6.03 The westraven before the renovation

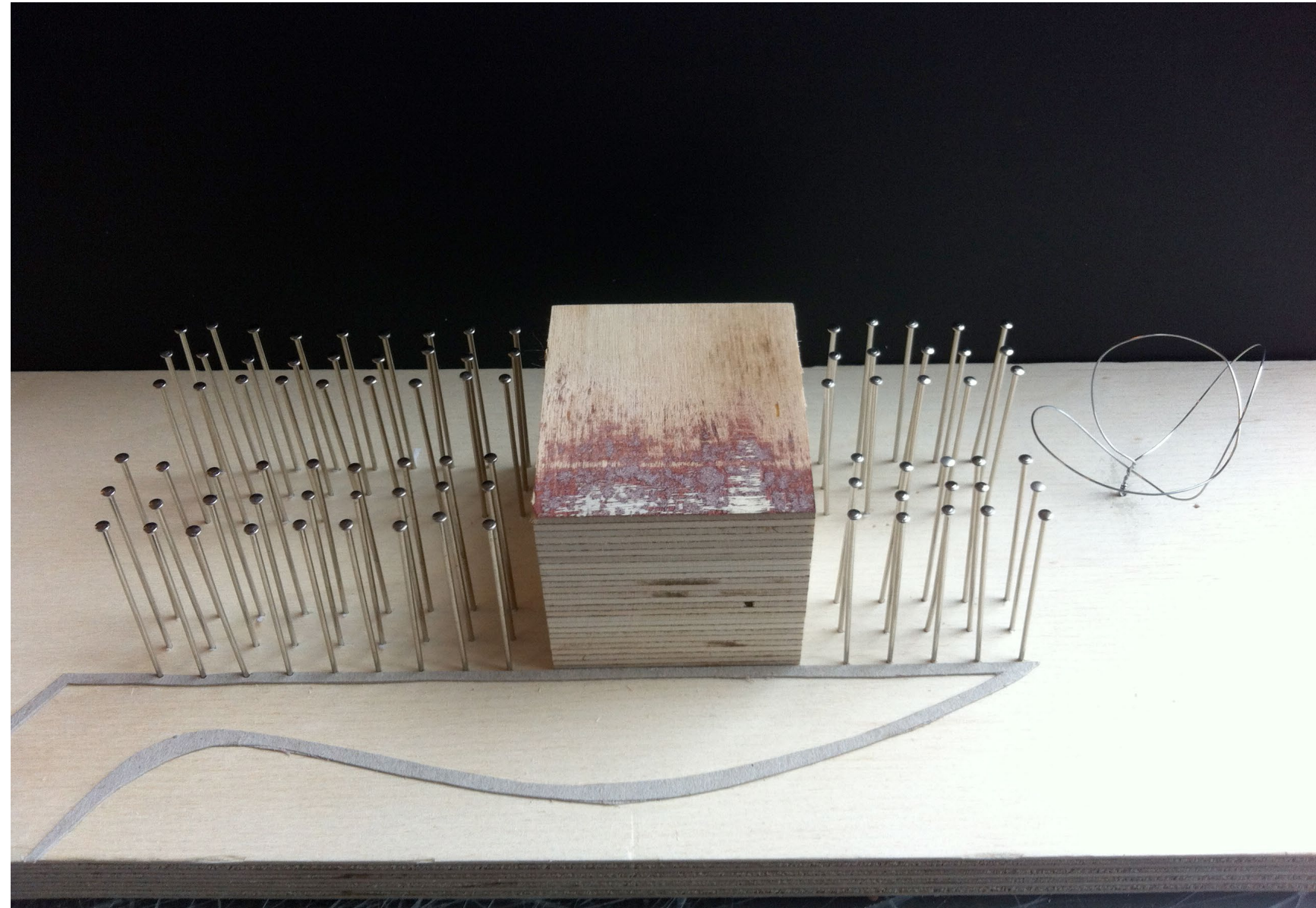
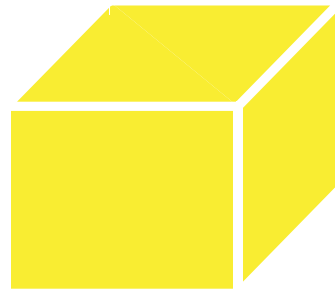


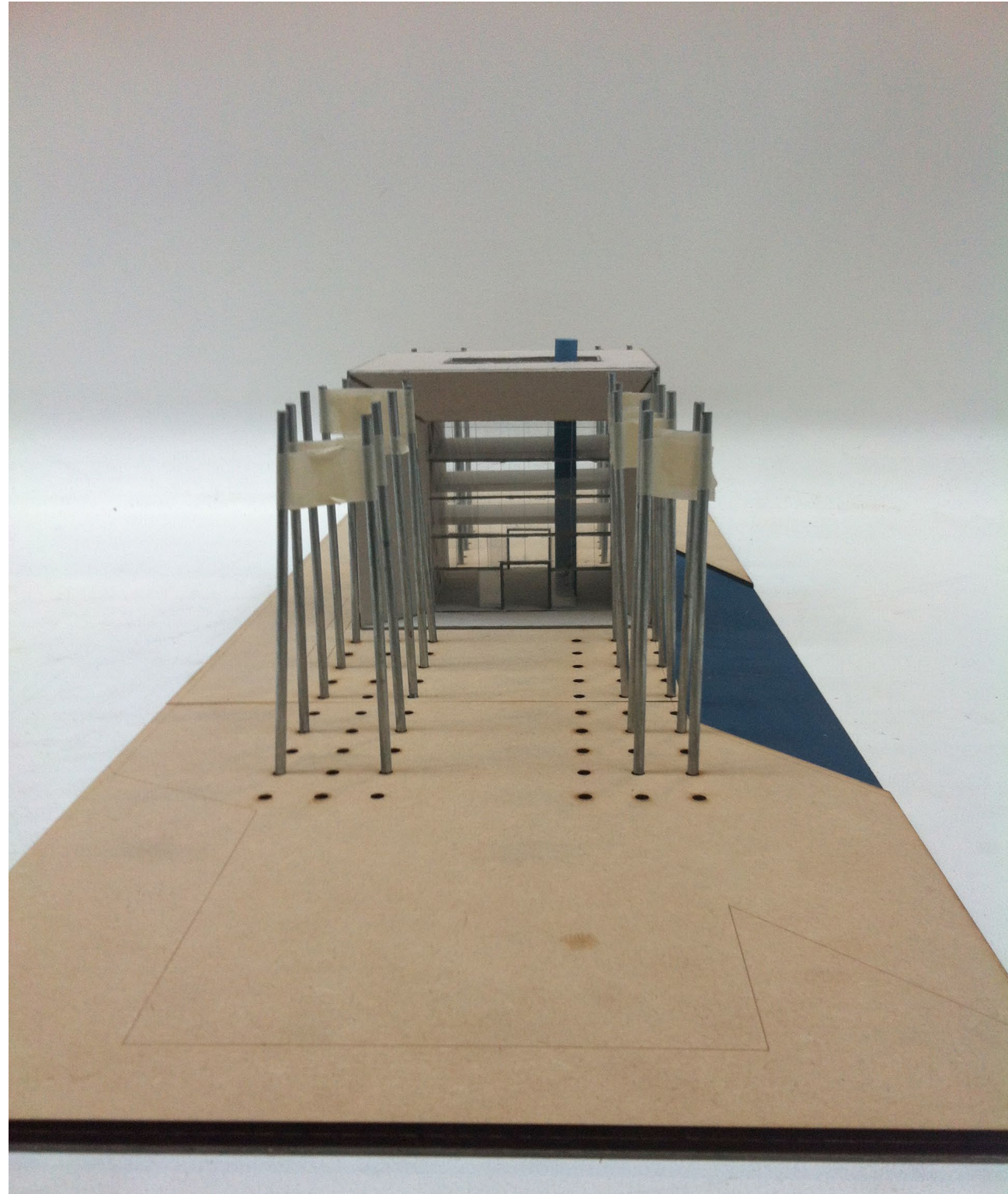
6.04 The façade of the westraven

¹ 2010. *Duraskin® B18909*. In: VERSEIDAG-INDUTEX (ed.). Kerfeld: Verseidag-Indutex.
² CRONE, J. 2008. Innovatieve waterstaatsarchitectuur. *Bouwwereld*, #4, p. 46-55.

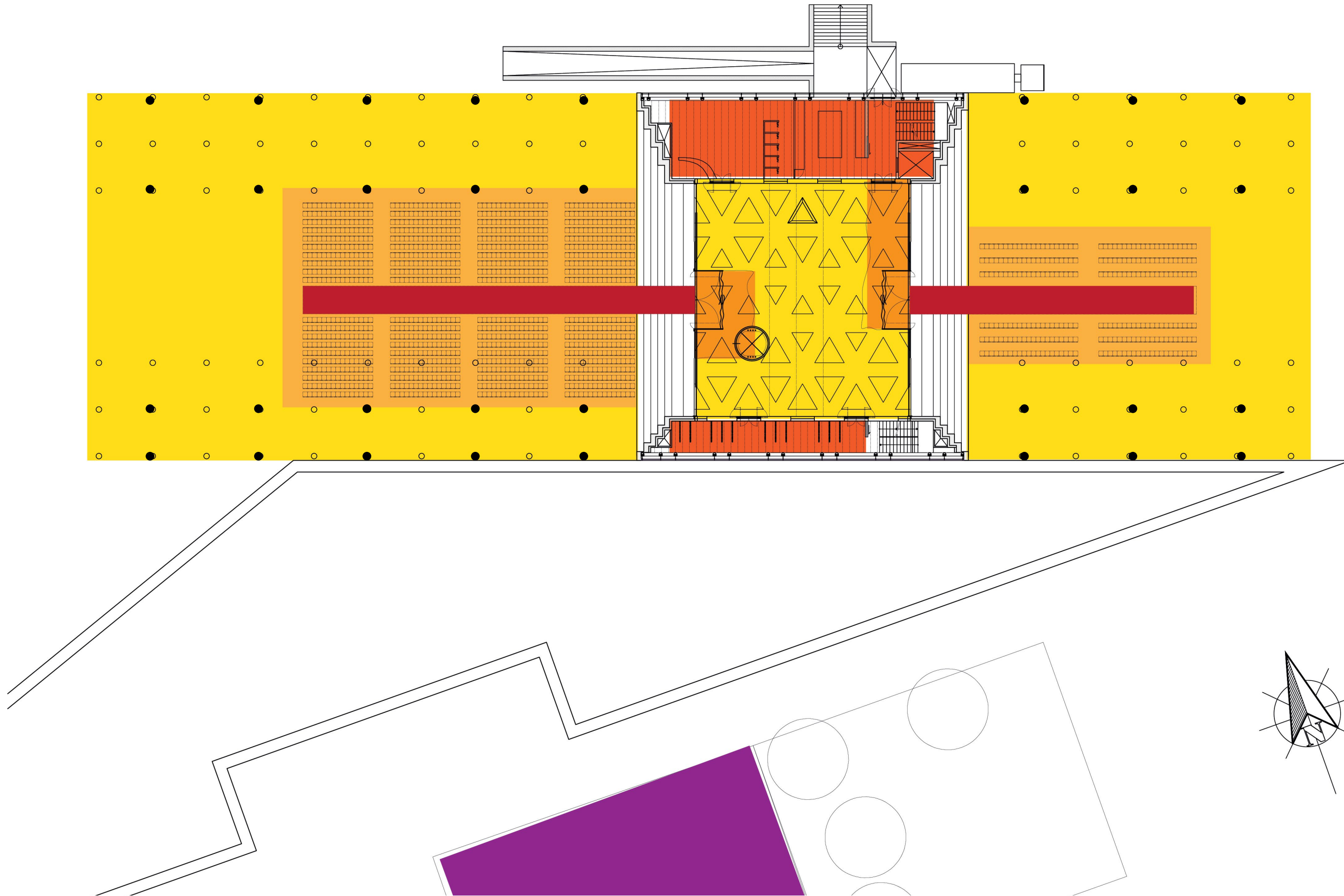


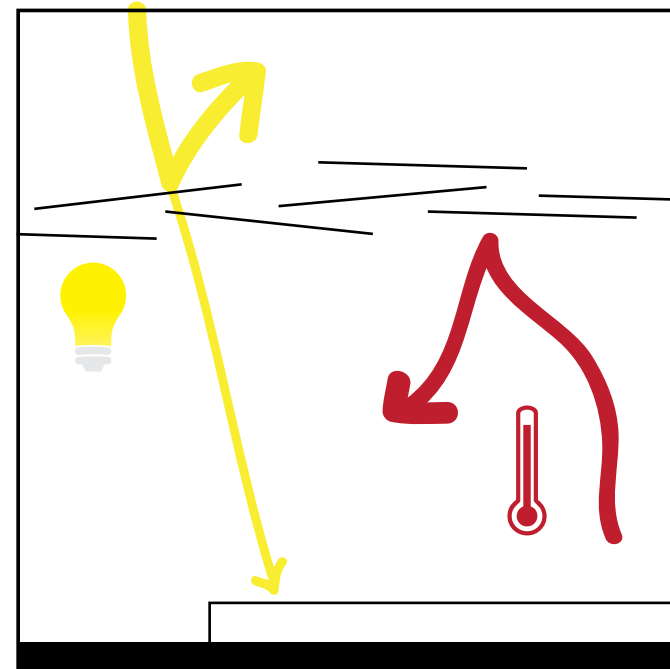
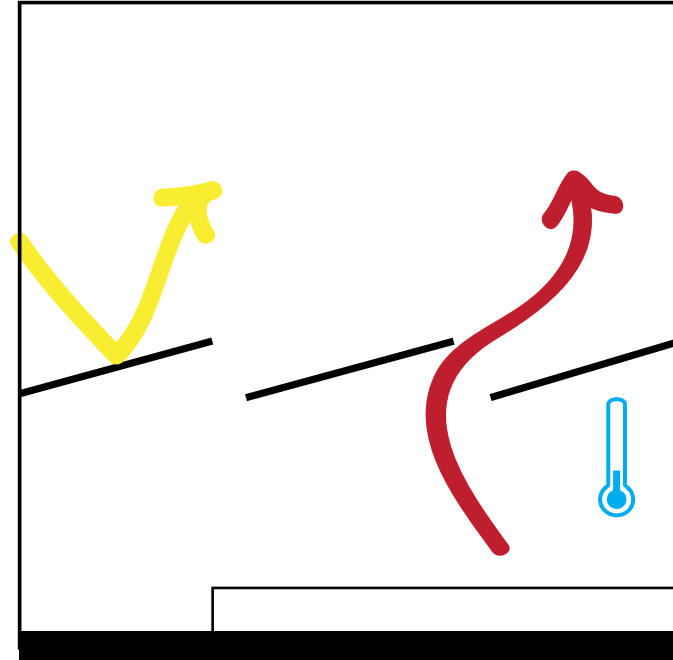


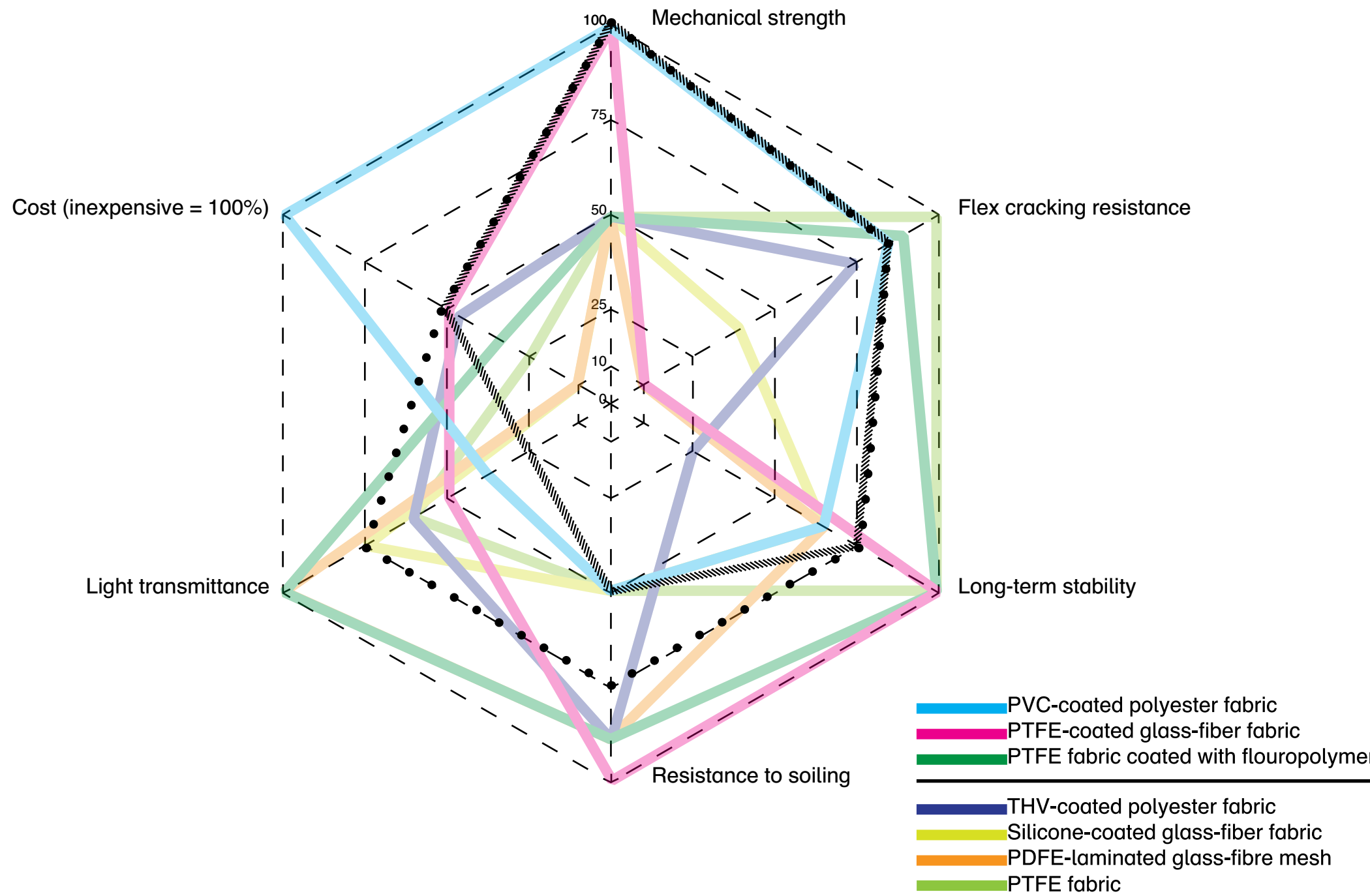


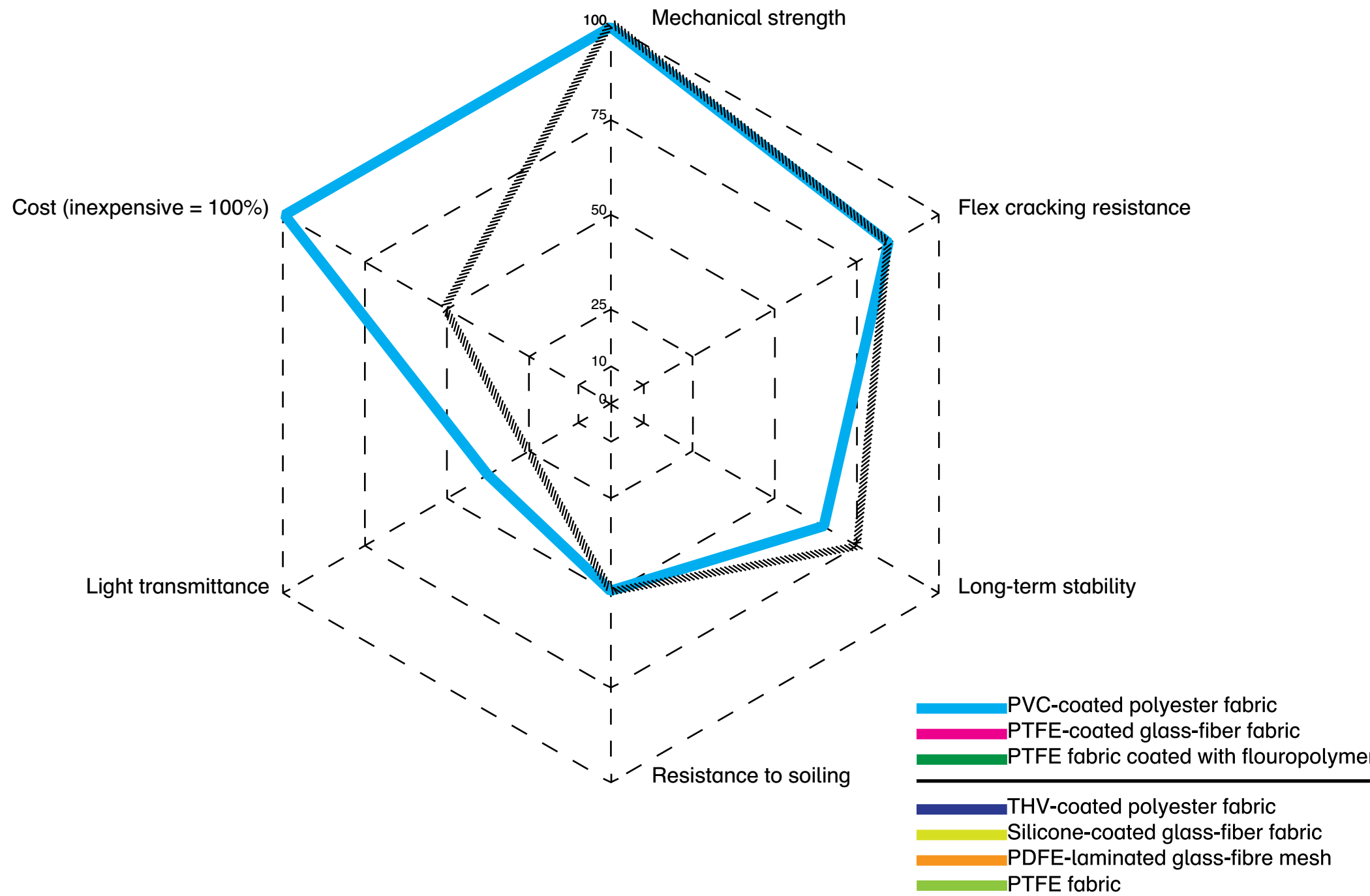


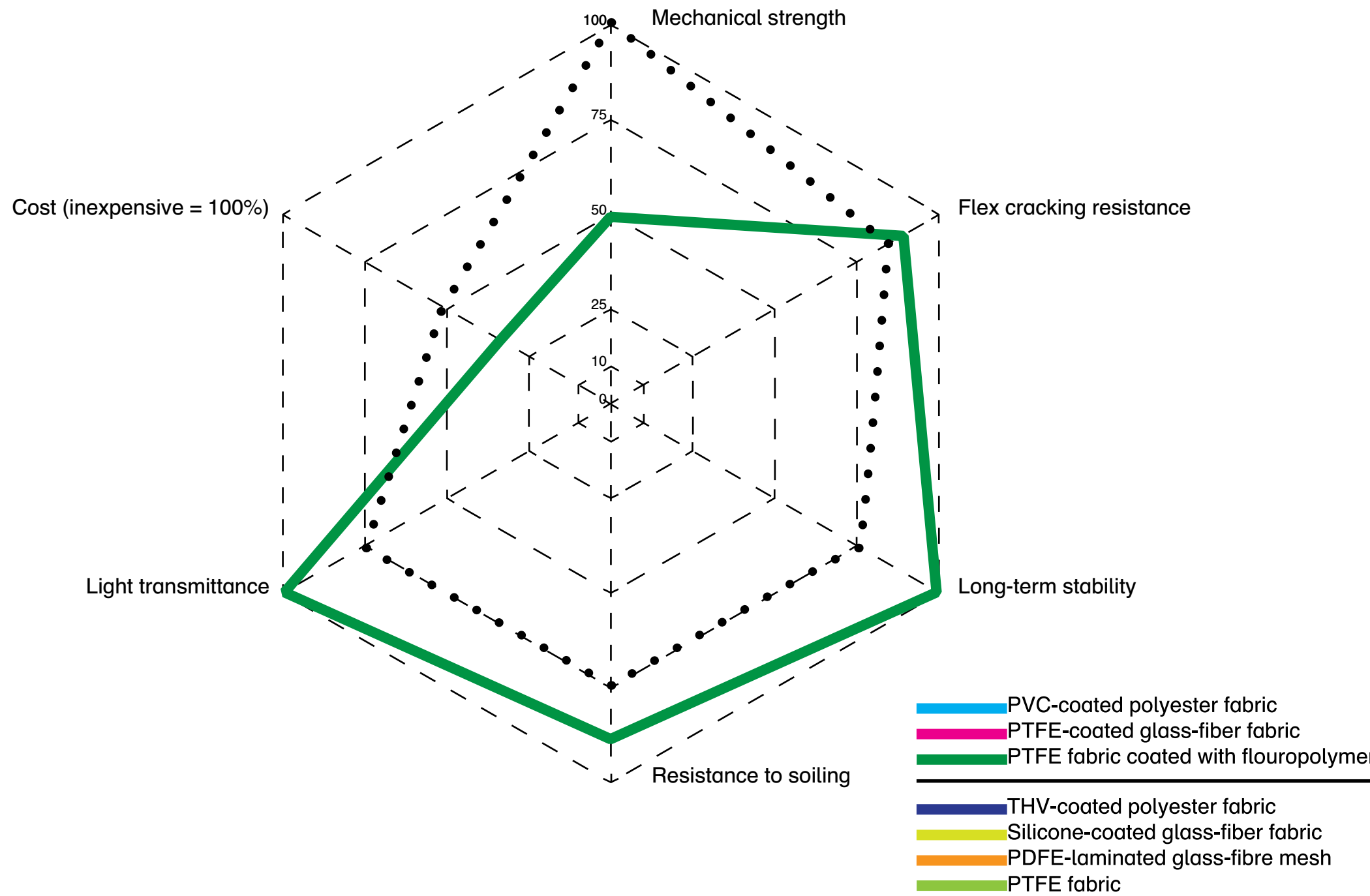


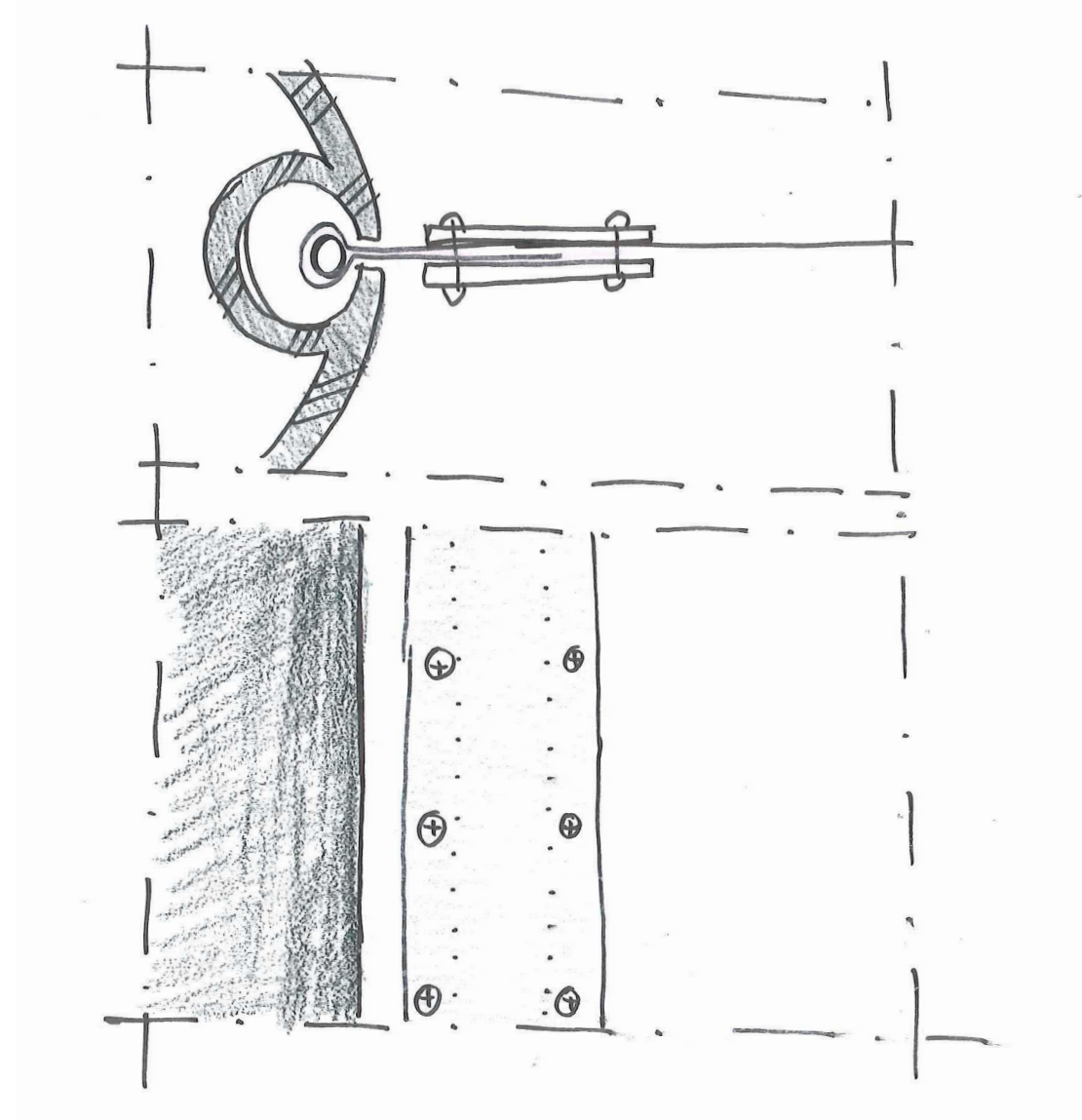
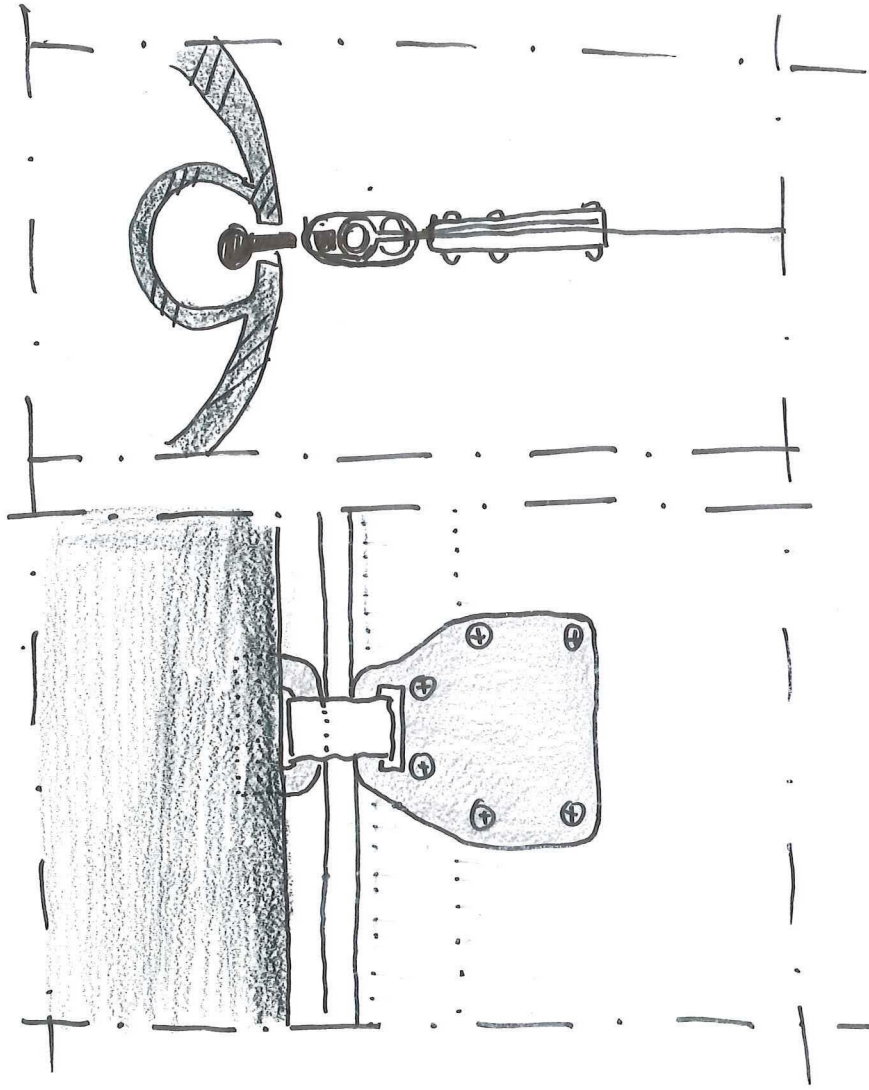




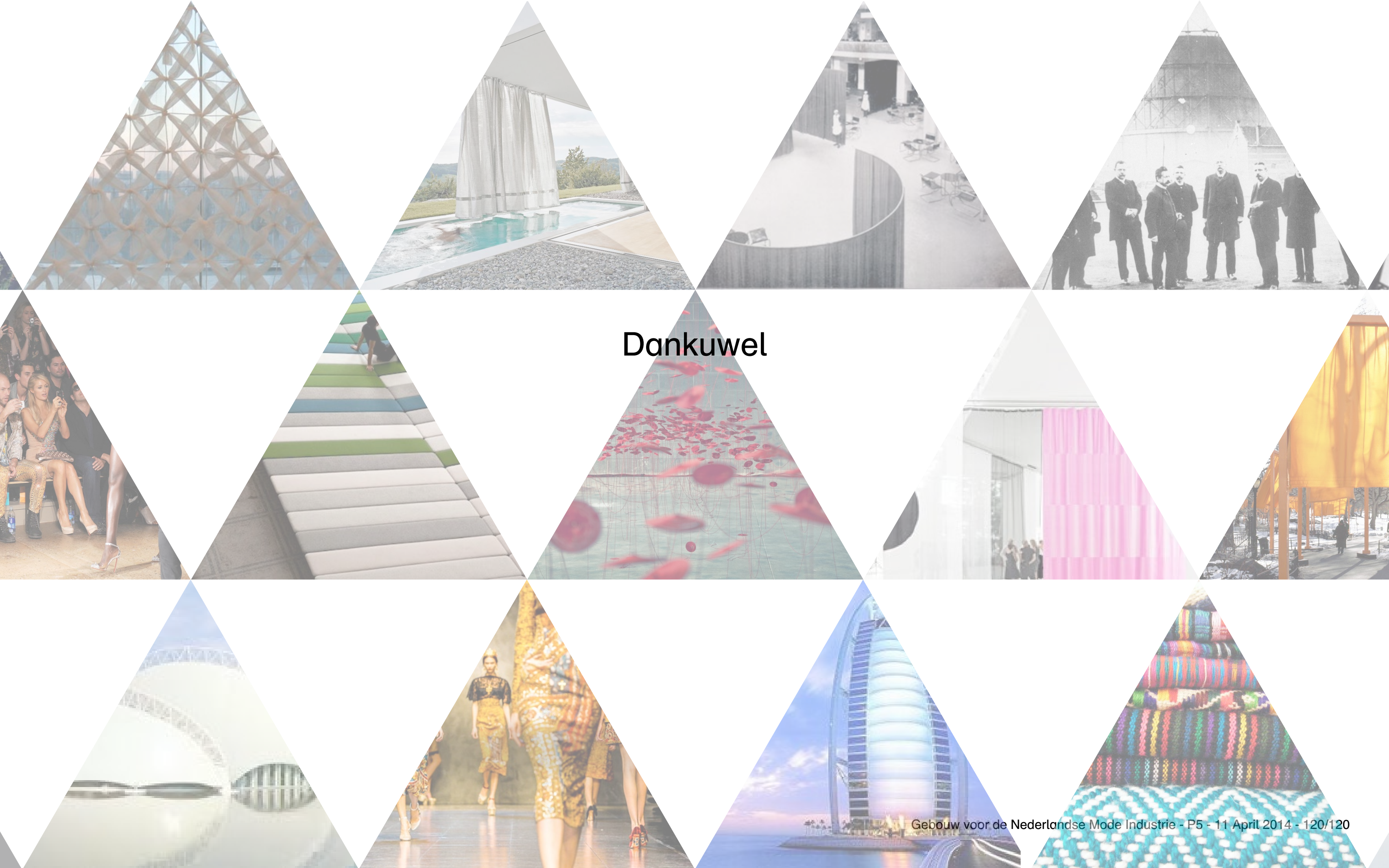








Reflectie



Dankuwel