

P5
ZWAAN VAN DER SCHEER
9 nov 2023

mentors:

Sam de Vocht

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DELFT UNIVERSITY OF TECHNOLOGY

GRADUATION PROJECT MSC3/4

INTERIORS
BUILDINGS
CITIES

1 positioning the museum

looking carefully at the MASP

2 design of a gallery space

designing for Taus Makhacheva

3 the M HKA

the museum, the city and the site

4 an architecture for art

the new M HKA

1 positioning the museum

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the new M HKA



picture of the MASP (museum of modern art Sao Paolo) designed by Lina Bo Bardi



taking a picture of our model



1 positioning the museum

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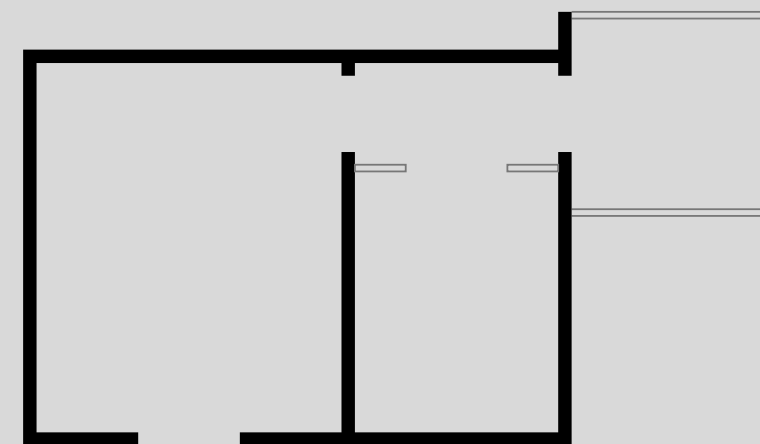
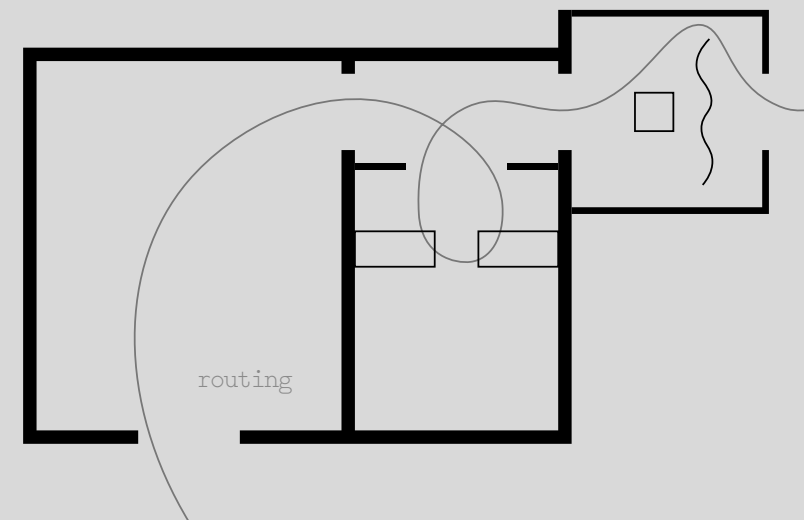
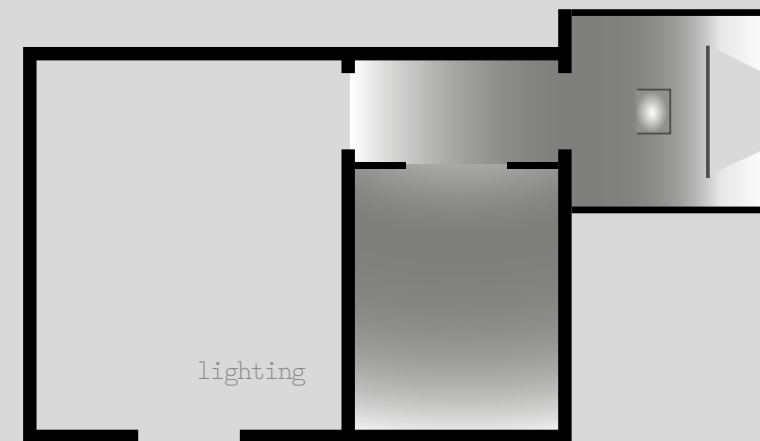
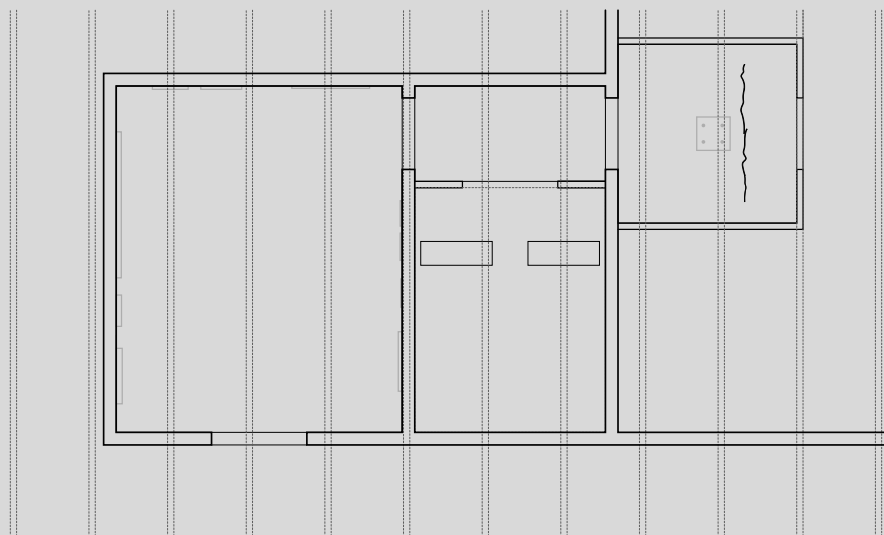
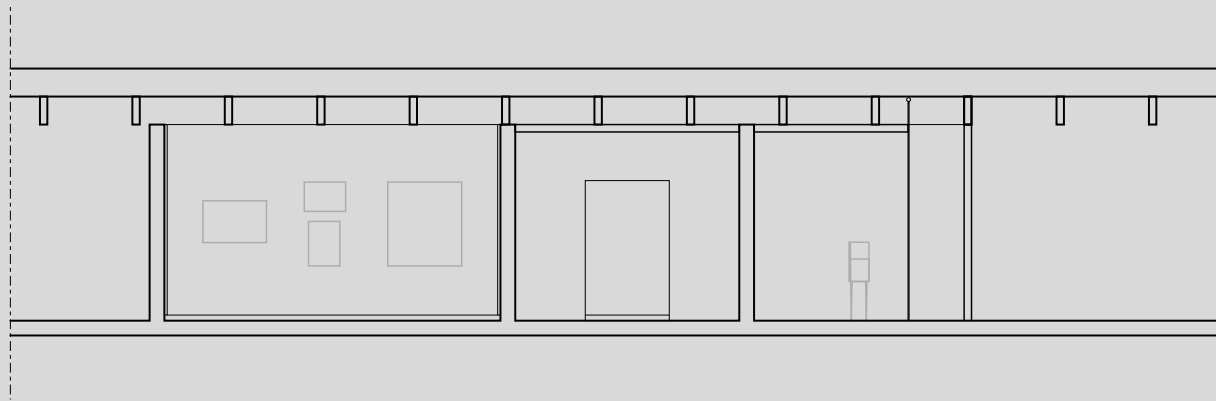
the new M HKA



Way of an Object by Taus Makhacheva



Tightrope by Taus Makhacheva



temporary vs fixed walls



picture of the model



picture the model

- 1 positioning the museum
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the current M HKA building



"The M HKA is a **museum for contemporary art**, film and visual culture in its widest sense. It is an open place of encounter for art, artists and the public. The M HKA aspires to **play a leading role in Flanders and to extend its international profile by building upon Antwerp's** avant-garde tradition. The M HKA bridges the relationship between artistic questions and wider societal issues, between the **international and the regional**, artists and public, tradition and innovation, reflection and presentation. Central here is the museum's collection with its ongoing acquisitions, as well as related areas of **management and research**"*

*from: [mhka.be](https://www.mhka.be) > mission & vision



map of Antwerp



500m 1500m

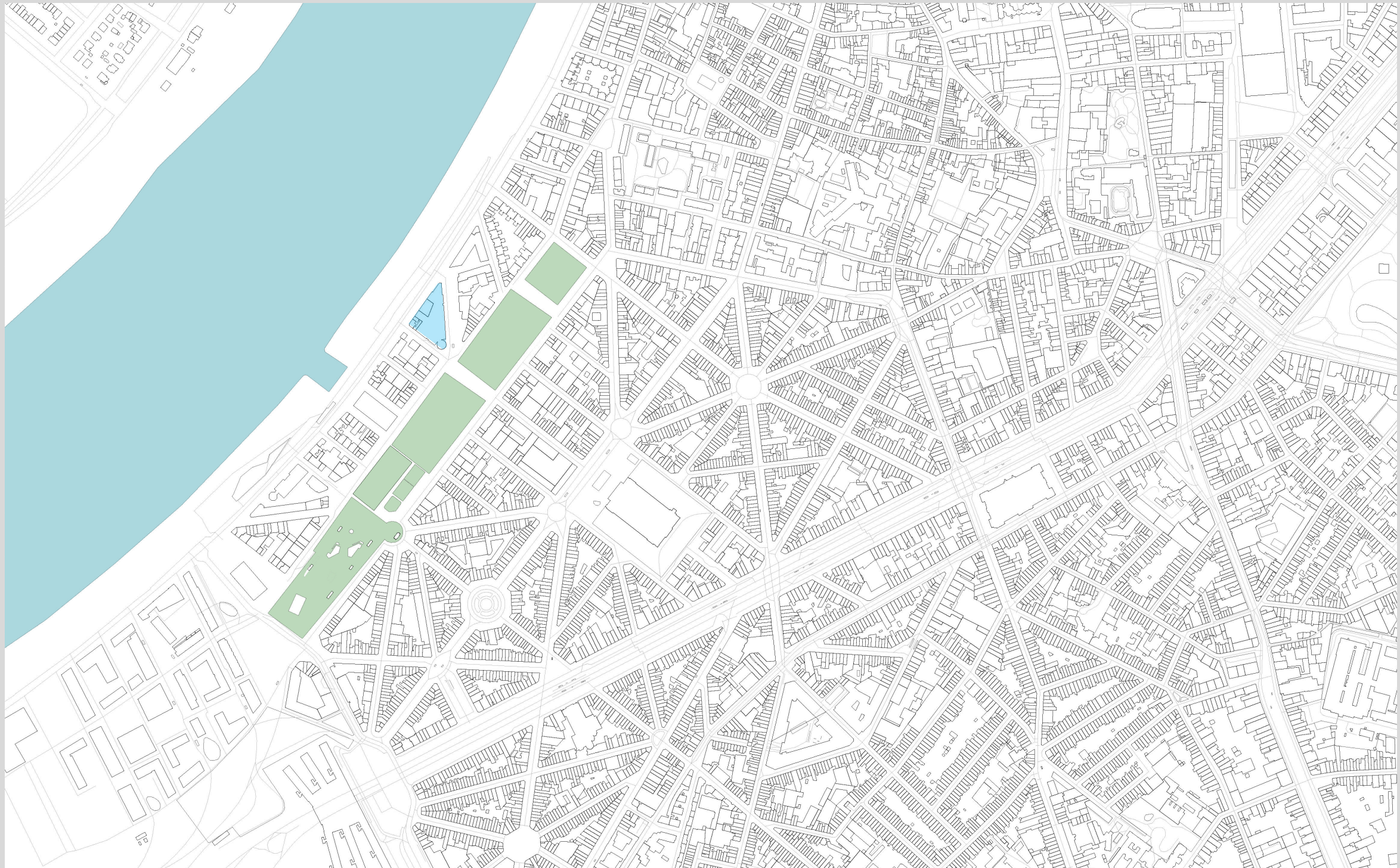


map of Antwerp



500m 1500m





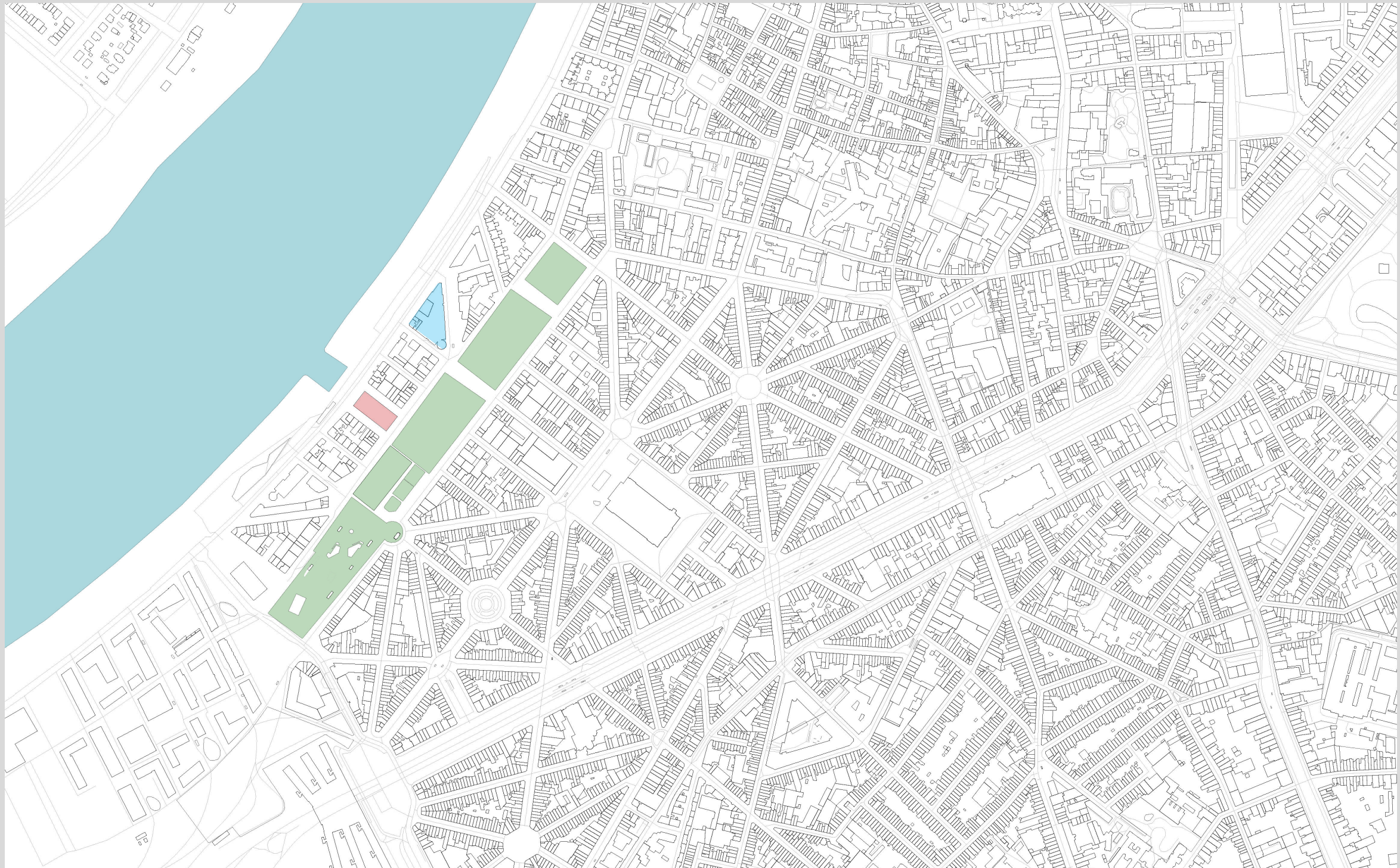
map of Antwerp South



100m

250m





map of Antwerp South



100m

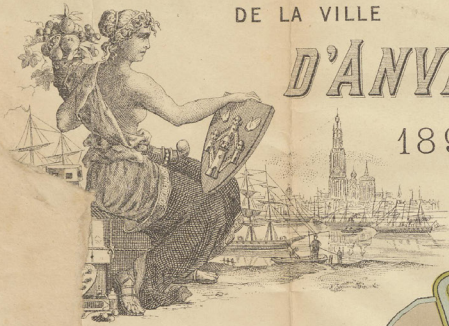
250m





the building of the court of labour, location of the new M HKA

PLAN INSTANTANÉ DE LA VILLE D'ANVERS 1894



à l'Exposition Universelle et tous
les principaux monuments en relief, le
réseau des tramways, etc. etc.

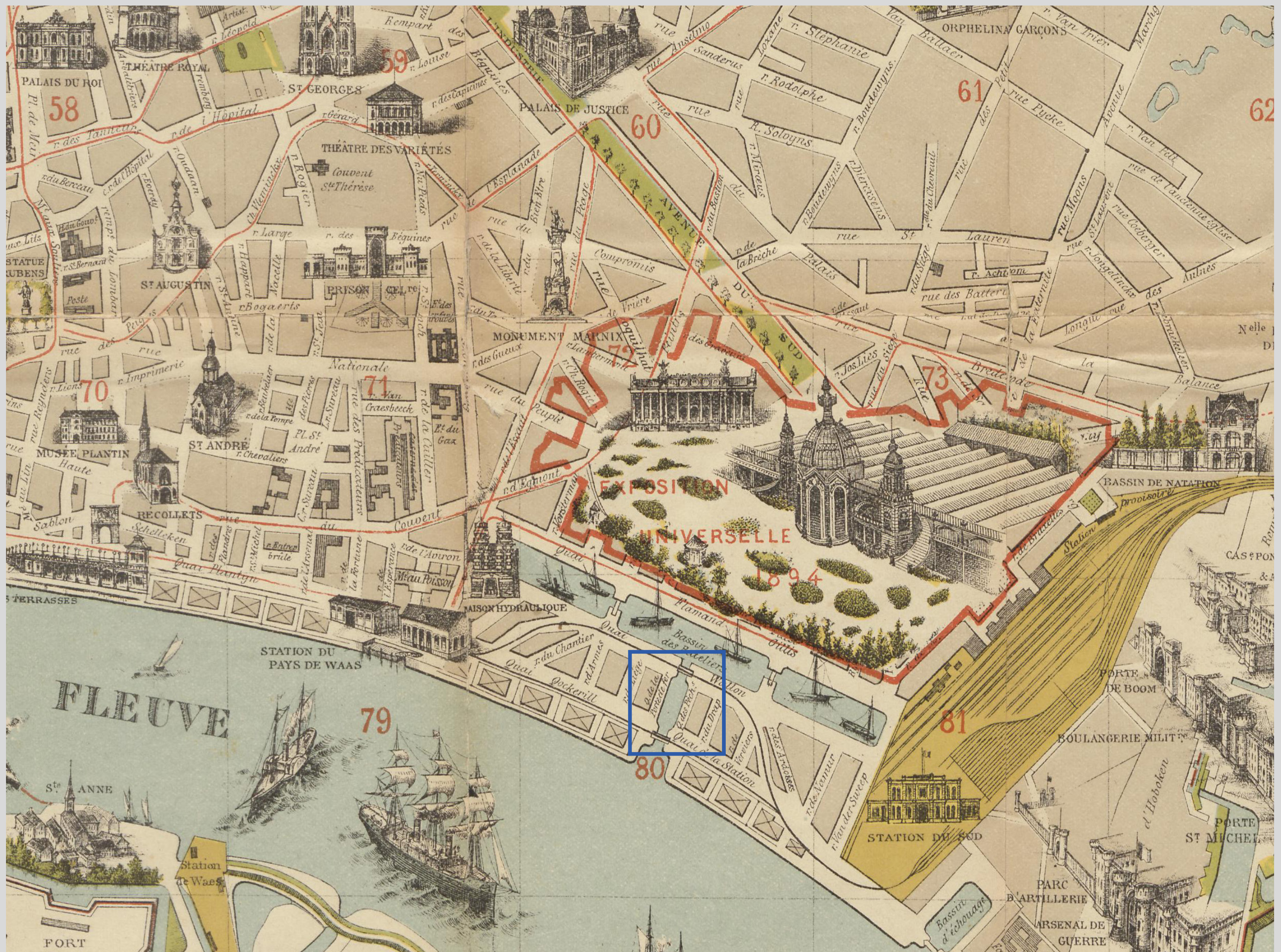
Publié par **RICH^e HUYBRECHTS & C^{ie}**
Courte rue de l'Hôpital, 12.
ANVERS.

--- Limite des Communes.
--- Tramways.
--- Rivières.



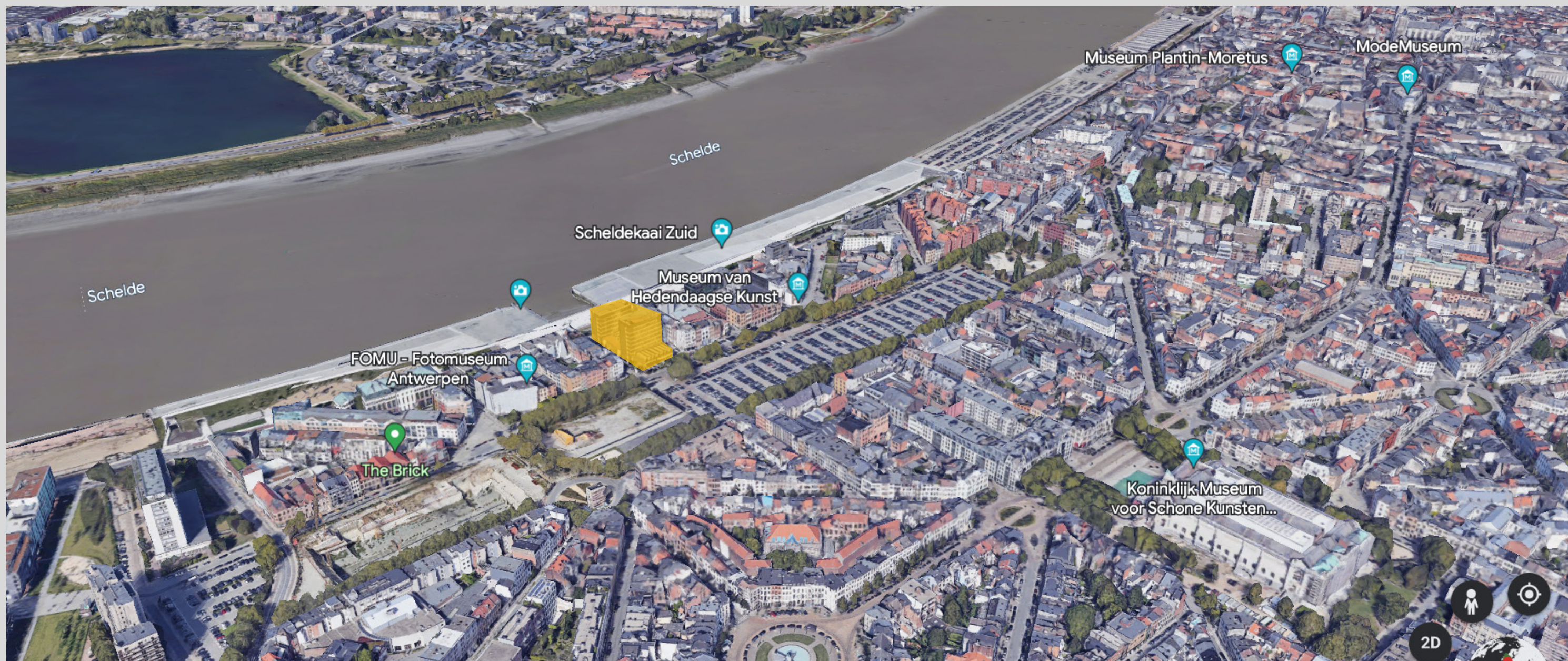
Dessiné par E. V. D. H.

DÉPOSÉ



map for the world exposition in Antwerp 1894





The location in context

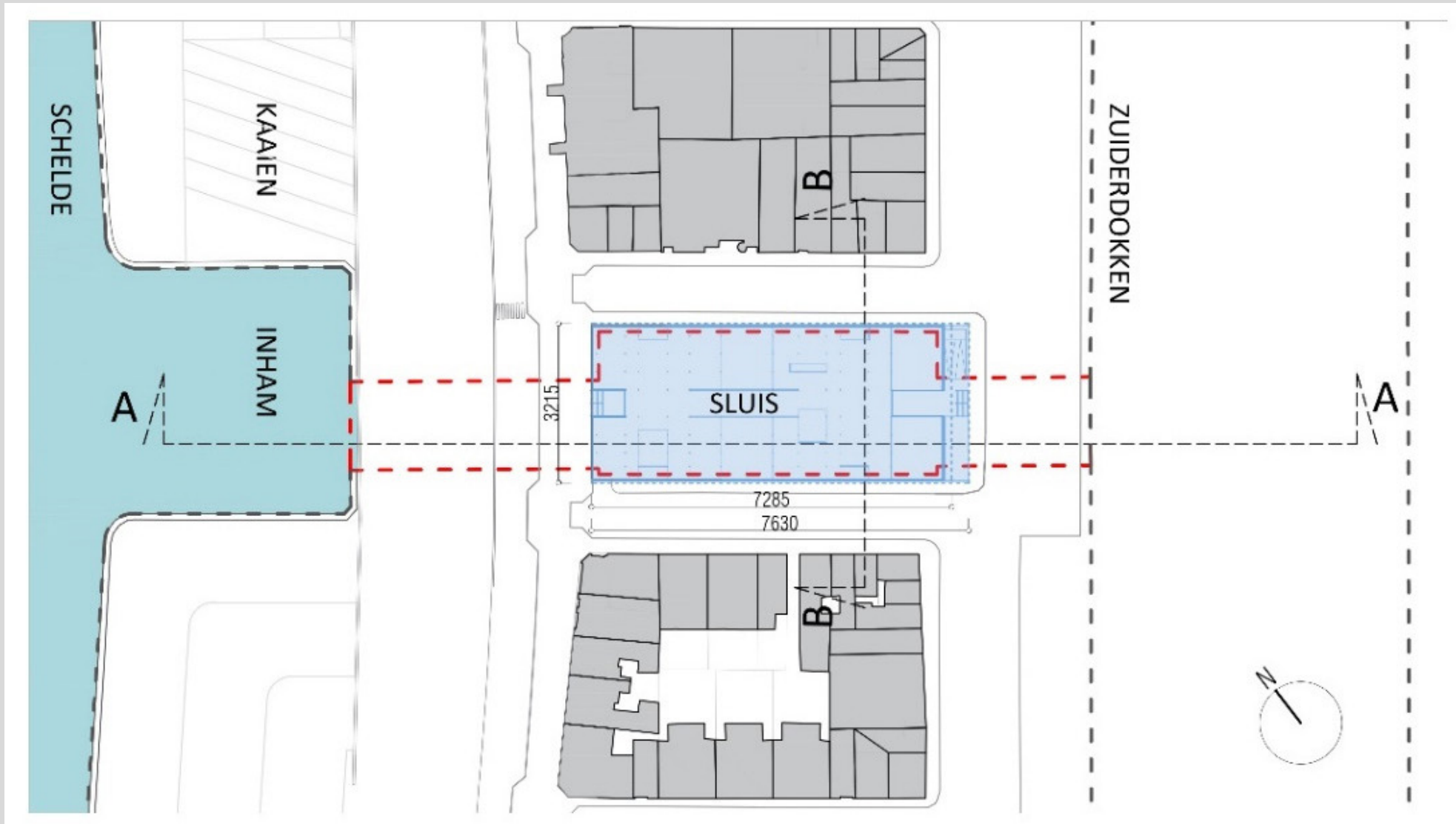


map of Antwerp in 1908



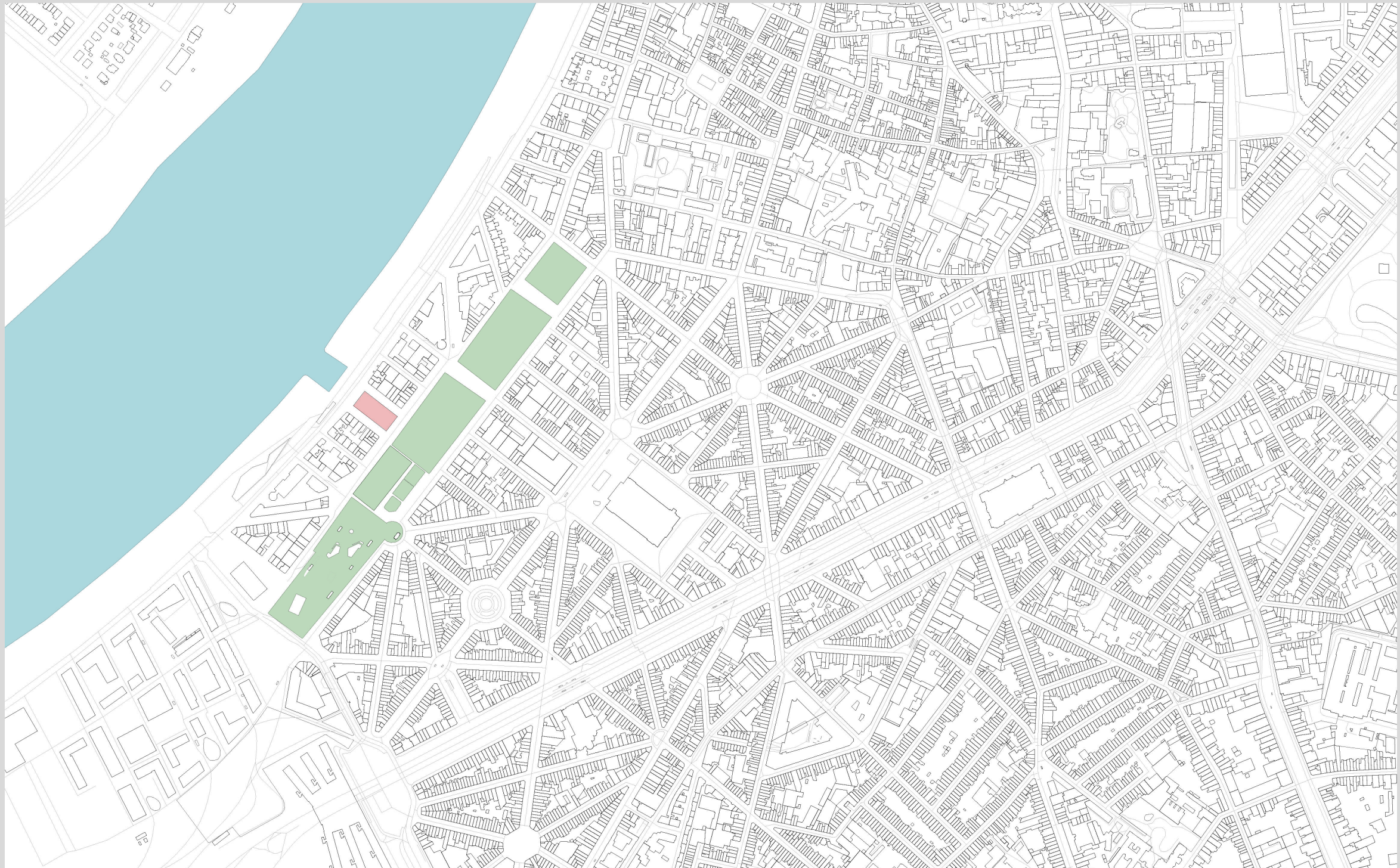


the lock and part of the docks in ca. 1920



location of the lock and the docks





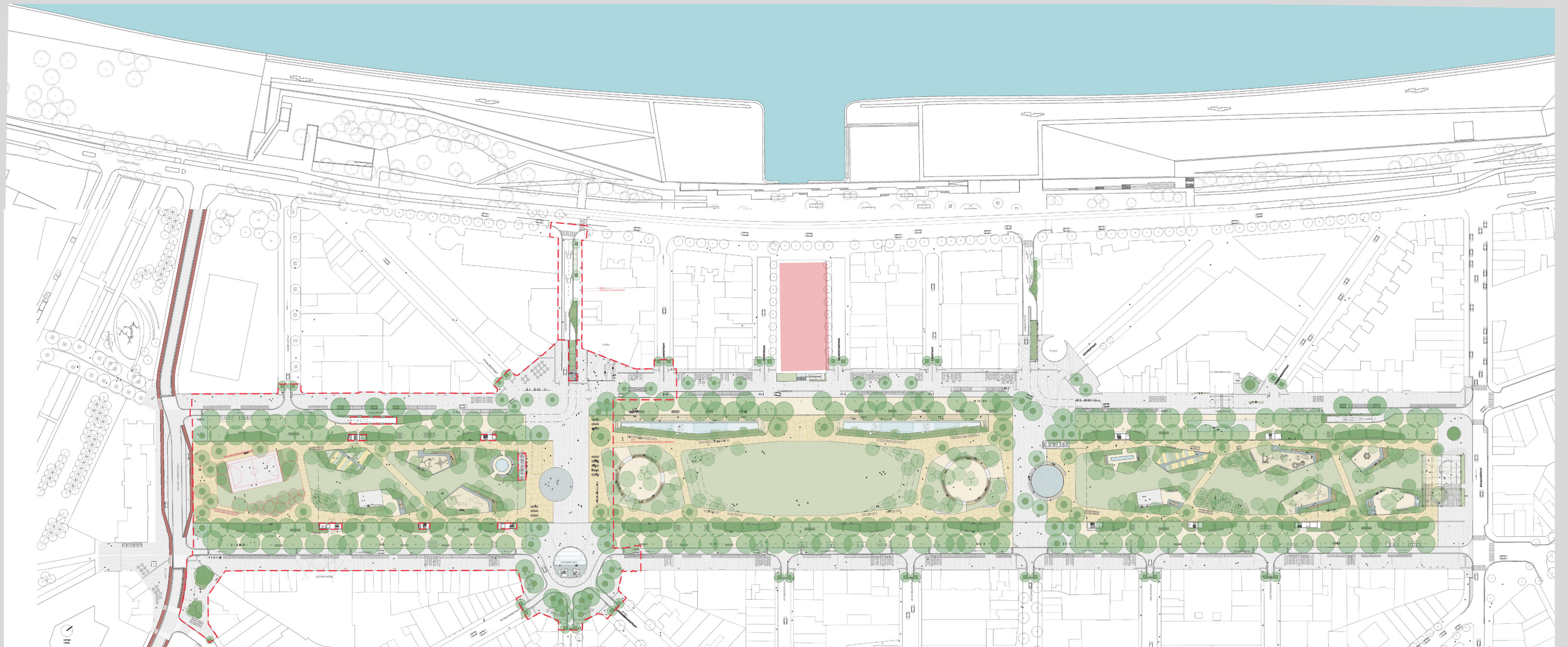
location of the new M HKA



100m

250m

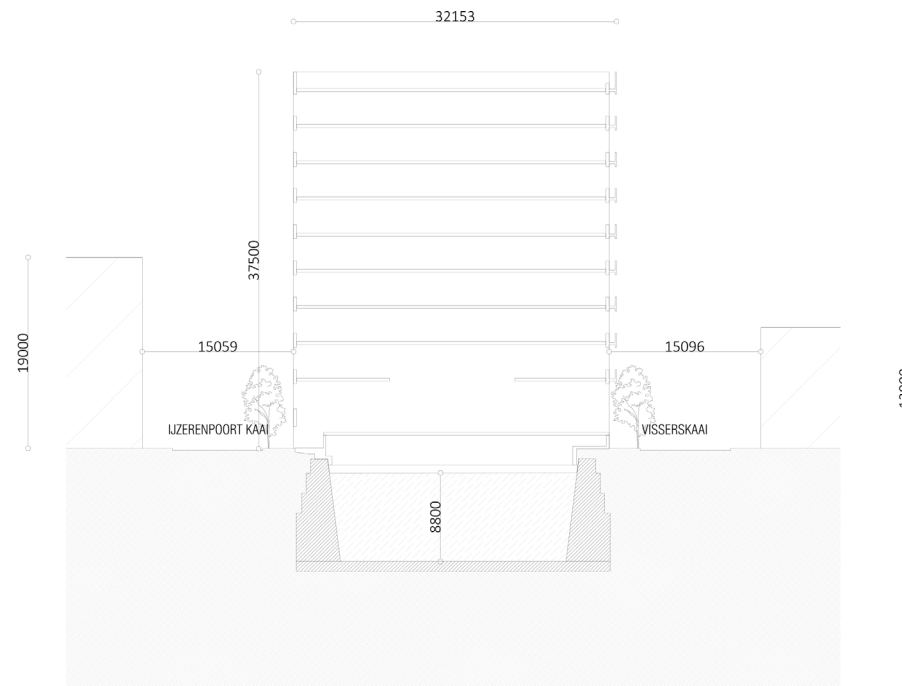
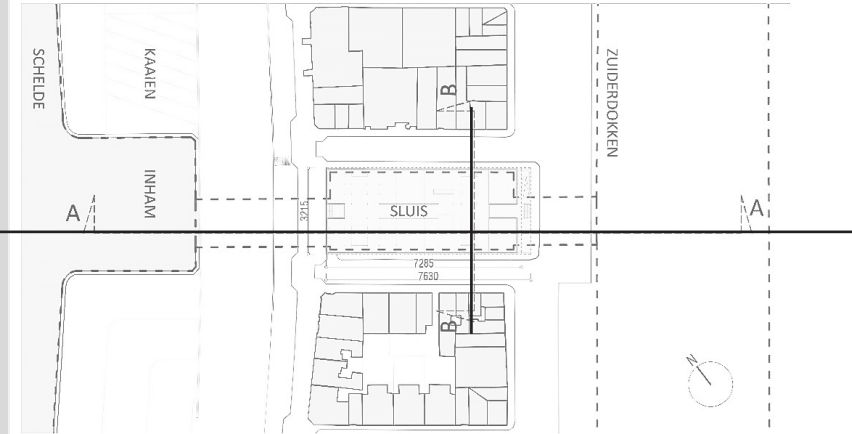




design of the future park



25 m 100 m



sections through the site and the court building

- 1 positioning the museum
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Industrial roughness and domestic intimacy

The **'white cube'** has become a historical trope and contemporary curatorial practices increasingly see the advantage of the **specificity of settings**. The user is also open to this and believes, for example, that the museum in this **former port setting** could partly have an industrial character, even though it concerns **a connecting, warm, flowing institution**. Internally, the various components have different usage regimes and are, in our opinion, each best dealt with differently, **without losing sight of internal cohesion** in the process.*

*from: project dossier M HKA

“industrial roughness and domestic intimacy”



© Stadsarchief Antwerpen
www.felixarchief.be
old Zuiderdokken located next to the M HKA



white exhibition space in the M HKA

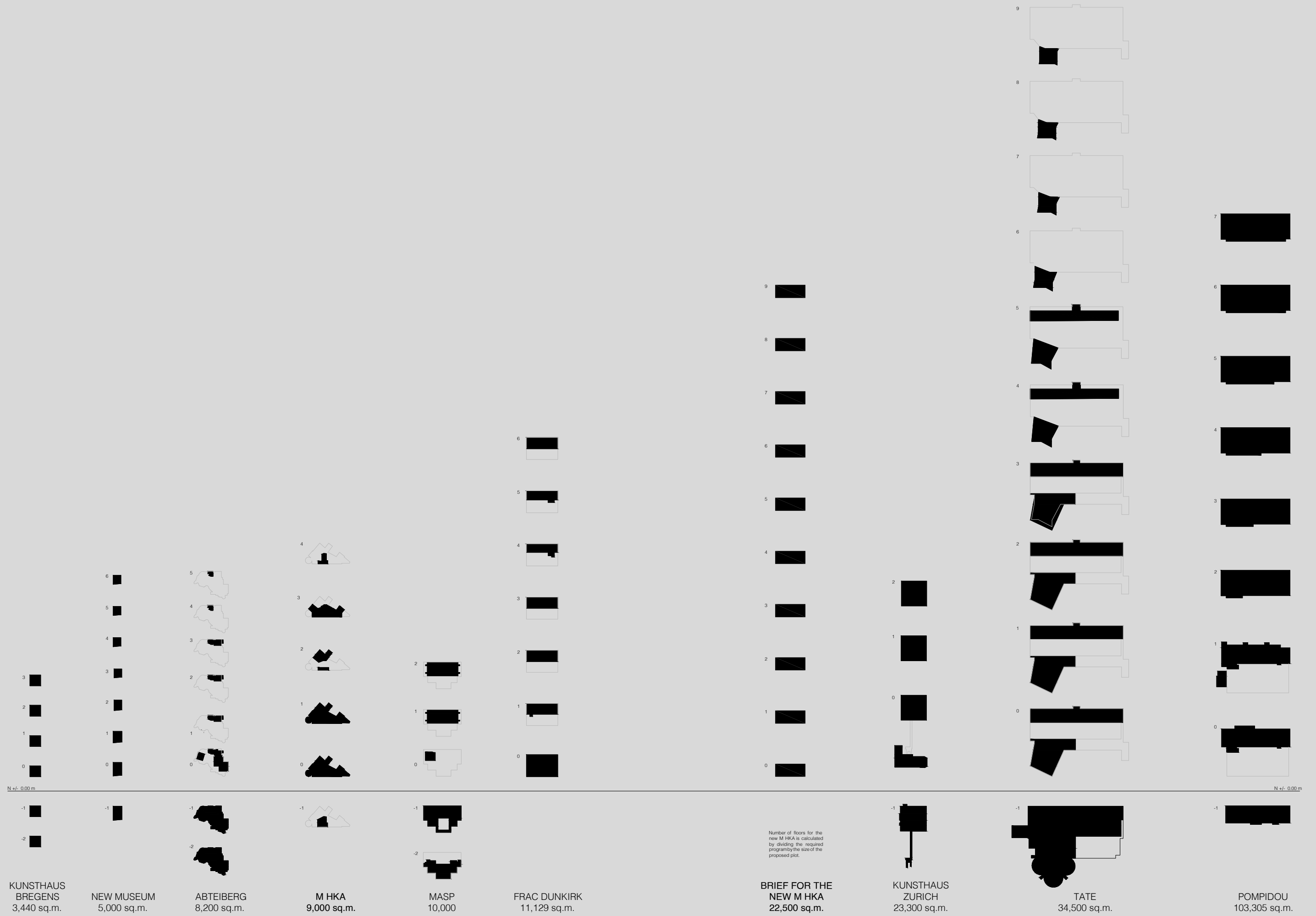


library and entrance of the M HKA

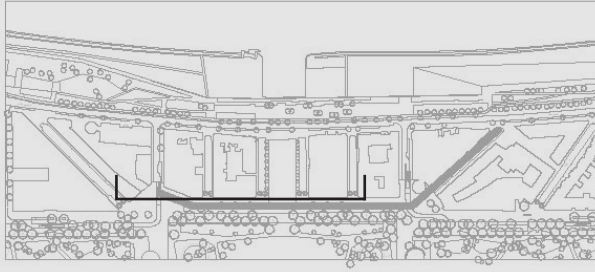
“industrial roughness and domestic intimacy”

ONDERWERP		#	minimale netto oppervlakte (excl.binnen- en buitenmuren, excl. circulatie)	vrije hoogte min.	minimale netto volume (excl.binnen- en buitenmuren, excl. circulatie)	bruterings factor	minimalebruto oppervlakte (inc.binnen- en buitenmuren, incl. circulatie)	minimalebruto volume (inc.binnen- en buitenmuren, incl. circulatie)
4.2	Collectiecomponent		3 032		16 408			
	circuit 1		1 792		10 408			
	hoofdzalen type 1	4	640	8,00	5 120	1,3	2 330	13 530
	hoofdzalen type 2	6	624	5,00	3 120			
	zijzalen type 1	5	320	4,50	1 440			
	kabinetten	8	208	3,50	728			
	circuit 2		1 040		5 200	1,3	1 352	6 760
	hoofdzaal type 2	10	1 040	5,00	5 200			
	ronde zaal	1	200	4,00	800	1,3	260	1 040
4.3	Tentoonstellingscomponent		3 150		19 800			
	hoofdcircuit	1	1 800	6,00	10 800	1,5	2 700	16 200
	nevencircuit 1	1	450	8,00	3 600	1,5	675	5 400
	nevencircuit 2	2	900	6,00	5 400	1,5	1 350	8 100
4.4	Bibliotheek & Archief		1 901		7 470			
4.4.1	leeszaal / bibliotheek	1	222	3,80	844	1,5	333	1 265
4.4.2	documentatiecentrum	1	700	3,50	2 450	1,5	1 050	3 675
4.4.3	studieruimte	1	40	3,50	140	1,5	60	210
4.4.4	content management /digitale werking	1	39	3,50	137	1,5	59	205
4.4.5	ondersteunende voorzieningen		20	3,50	70	1,5	30	105
4.4.5.1	sanitair medewerkers	1	incl.					
4.4.5.2	kitchenette	1	incl.					
4.4.6	archiefwerking		130	3,50	455	1,5	195	683
4.4.6.1	kantoorruimte	1	incl.					
4.4.6.2	scanruimte	1	incl.					
4.4.7	technische werking archiefdepot							
4.4.7.1	ontvangst - afgesloten quarantaineruimte	1	incl.					
4.4.7.2	verwerkingsruimte	1	incl.					
4.4.7.3	depot kunstartchiven	1	750	4,50	3 375	1,5	1 125	5 063
4.5	Het forum		3 608		25 140			
4.5.1	Forumhoofdruimte	1	1 556	9,00	14 004	1,7	2 645	23 807
4.5.2	onthaalfunctie							
4.5.2.1	lobby/hal	1	570		3 420	1,7	969	5 814
4.5.2.2	ontvangstzone en vestiaire groepen	1	incl.	9,00				
4.5.2.3	vestiaire en lockerruimte	1	incl.					
4.5.2.4	balie/orientatie/ticketing	1	incl.	3,00				
4.5.2.5	berging onthaal	1	incl.					
4.5.3	specifieke forumverwante functies							
4.5.3.1	museumshop	1	180	4,00	720	1,7	306	1 224
4.5.3.2	horeca	1	370	3,00	1 110	1,7	629	1 887
4.5.3.3	multifunctionele evenementenruimte en berging	1	incl. forum	7,00				
4.5.3.4	seminarielokalen	3	160	3,00	480	1,7	272	816
4.5.3.5	auditorium / cinemawerking	1	410	9,00	3 690	1,7	697	6 273
4.5.3.6	cinemawerking - filmzaal	1	210	6,00	1 260	1,7	357	2 142
4.5.3.7	educatieve ruimte	1	incl.forum	3,00				
4.5.5	ondersteunende voorzieningen							
4.5.5.1	sanitair bezoekers	1	152	3,00	456	1,7	258	775
4.5.5.2	sanitair medewerkers	1	incl.					
4.5.5.3	EHBO-lokaal	1	incl.					
	Back-office		3 337		17 123			
4.6	Back-office werkplaatsen		375		1 688			
4.6.1	Werkplaatsen							
4.6.1.2	Houtwerkplaats	1	160	4,50	720	1,4	224	1 008
4.6.1.3	Metaalwerkplaats	1	70	4,50	315	1,4	98	441
4.6.1.4	Schilderwerkplaats	1	80	4,50	360	1,4	112	504
4.6.1.5	Audio- en videorruimte	1	30	4,50	135	1,4	42	189
4.6.1.6	Opslagruimte voor technisch materiaal	1	35	4,50	158	1,4	49	221
4.7	Back-office art handling		1 531		9 748			
4.7.2	Transport - en handlingzone							
4.7.2.1	Sluis / sas	1	129	6,80	877	1,4	181	1 228
4.7.2.2	Zone voor laden en lossen	1	120	6,80	816	1,4	168	1 142
4.7.2.3	Overslagruimte	1	260	6,80	1 768	1,4	364	2 475
4.7.2.4	Registratie, controle en onderhoud	1	incl.					
4.7.2.5	Verpakkingsruimte (inpakken/uitpakken)	1	incl.					
4.7.2.6	Berging voor opslag kisten/plastiekfolie/inpakmateriaal	1	30	4,50	135	1,4	42	189
4.7.2.7	Berging voor opslag materiaal en hulpmiddelen	1	20	4,50	90	1,4	28	126
4.7.3	Ruimte voor collectiebeheer							
4.7.3.1	Quarantaineruimte	1	27	4,50	122	1,4	38	170
4.7.3.2	Werkatelier	1	234	4,50	1 053	1,4	328	1 474
4.7.3.5	Fotostudio	1	36	4,50	162	1,4	50	227
4.7.3.6	Gesloten binnendepot	1	675	7,00	4 725	1,4	945	6 615
4.8	Back-office logistiek en technieken		704		3 143			
4.8.1	Desk beveiligings- en gebouwbeheer	1	9	3,50	32	1,4	13	44
4.8.2	Hoofdserverlokaal (MER)	1	20	3,50	70	1,4	28	98
4.8.3	Kitchenette	1	6	3,50	21	1,4	8	29
4.8.4	Sanitair medewerkers (gescheiden)	2	16	3,50	56	1,4	22	78
4.8.5	Kleedruimten (incl. douches, gescheiden)	2	60	3,50	210	1,4	84	294
4.8.6	Bergruimten				0			
4.8.6.1	berging voor schoonmaak	1	100	3,50	350	1,4	140	490
4.8.6.2	centrale berging logistiek	1	250	4,50	1 125	1,4	350	1 575
4.8.7	Fietsenstalling	1	162	4,50	729	1,4	227	1 021
4.8.8	Technische lokalen		volgens behoefte					
4.8.9	Toegang voor logistiek							
4.8.9.1	sluis / sas	1	40	6,80	272	1,4	56	381
4.8.9.2	zone voor laden en lossen	1	41	6,80	279	1,4	57	390
4.9	Back-office administratie		727		2 545			

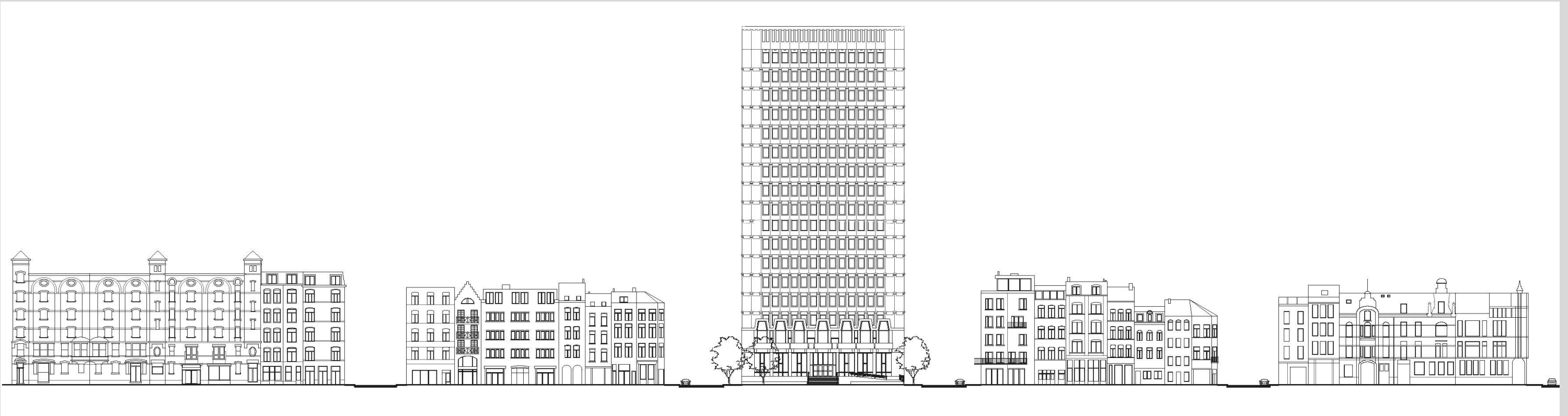
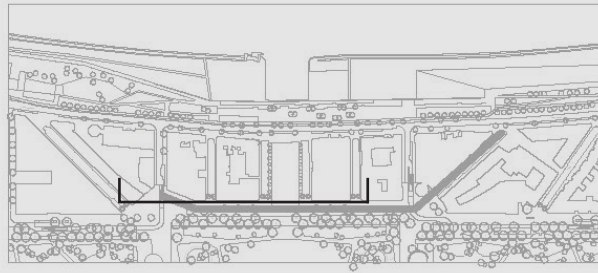
4.9.1	Kantoorruimte voor administratie							
4.9.1.1	Kantoorwerkplekken	1	429	3,50	1 502	1,4	601	2 102
4.9.1.2	Multifunctionele overlegruimte /stille werkplekken	3	36	3,50	126	1,4	50	176
4.9.1.3	Vergaderzalen		incl. seminarielokalen					
4.9.1.4	onthaaluimte bezoekers en personeel	1	incl.forum	3,50				
4.9.1.5	lockerruimte personeel	1	14	3,50	49	1,4	20	69
4.9.1.6	Kopieer- en printerlokaal / berging	2	30	3,50	105	1,4	42	147
4.9.1.7	Archief administratie	1	75	3,50	263	1,4	105	368
4.9.1.8	kitchenette	volgens behoefte	20	3,50	70	1,4	28	98
4.9.1.9	Sanitair medewerkers (gescheiden)	1	23	3,50	81	1,4	32	113
4.9.2	Personeelsrefter met kookgelegenheid							
4.9.2.1	refter personeel	1	100	3,50	350	1,4	140	490
4.9.2.2	keuken		incl.					
4.9.2.3	berging bij keuken		incl.					
	Buitenruimten							
4.5.4	buitenterras forum	1	300					
4.9.3	buitenruimte personeel	1	50					



the size of the new M HKA - according to the brief - compared to other museums



elevation of the court of labour in context



building twice the size

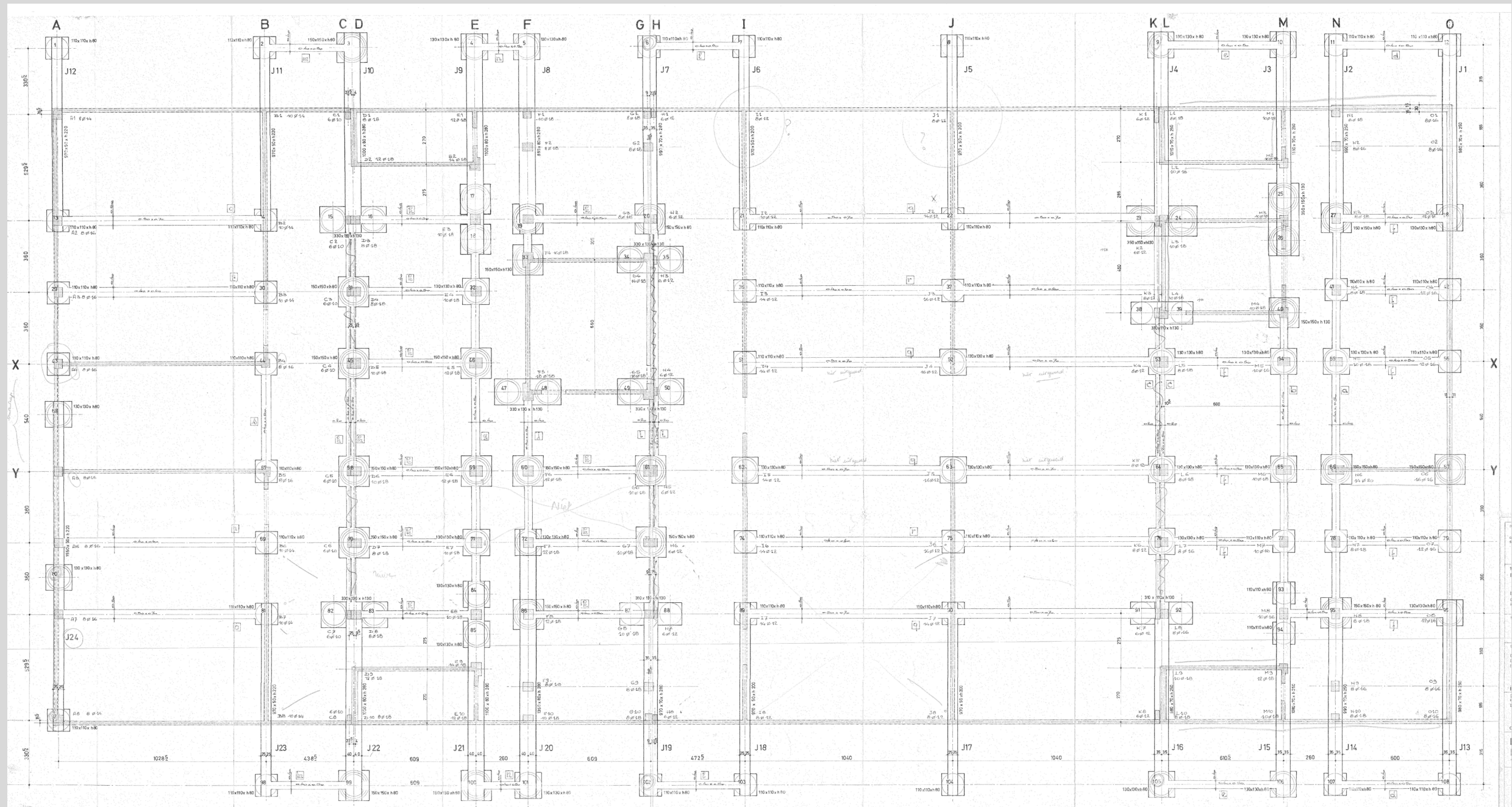


currently visible part of the lock

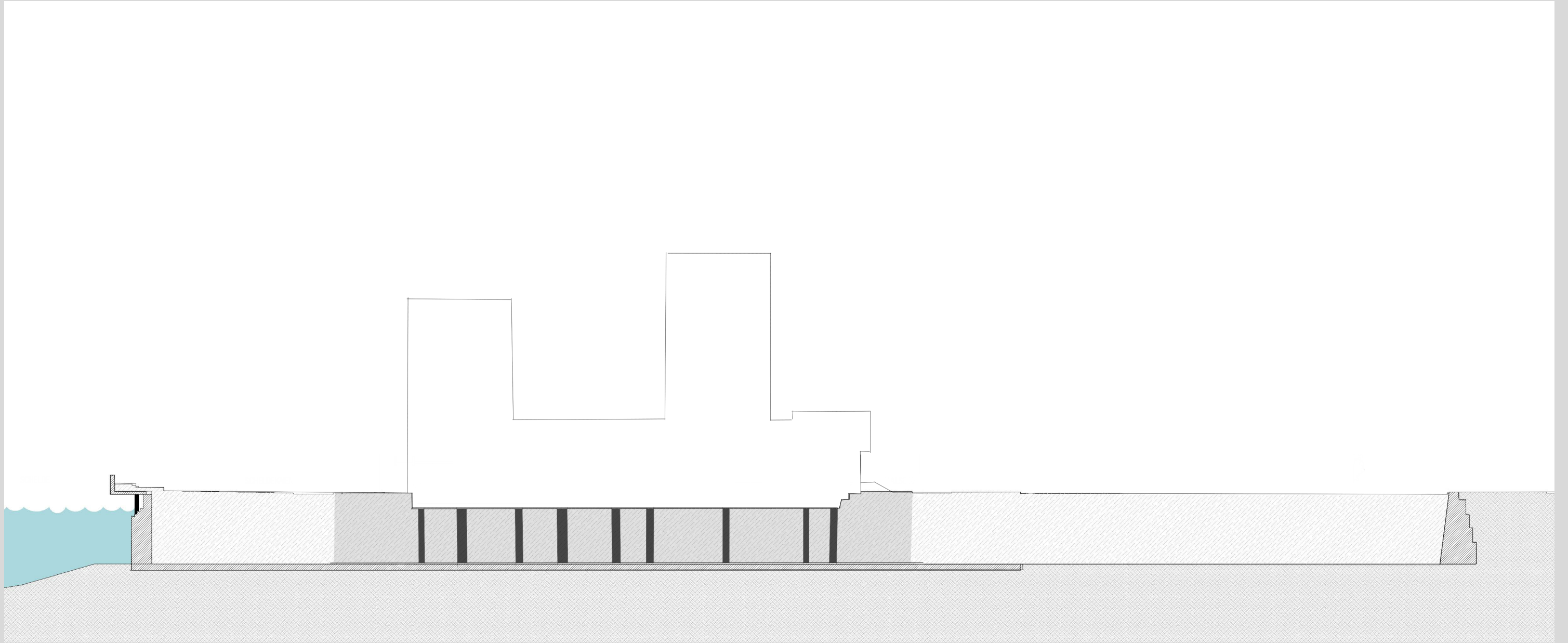


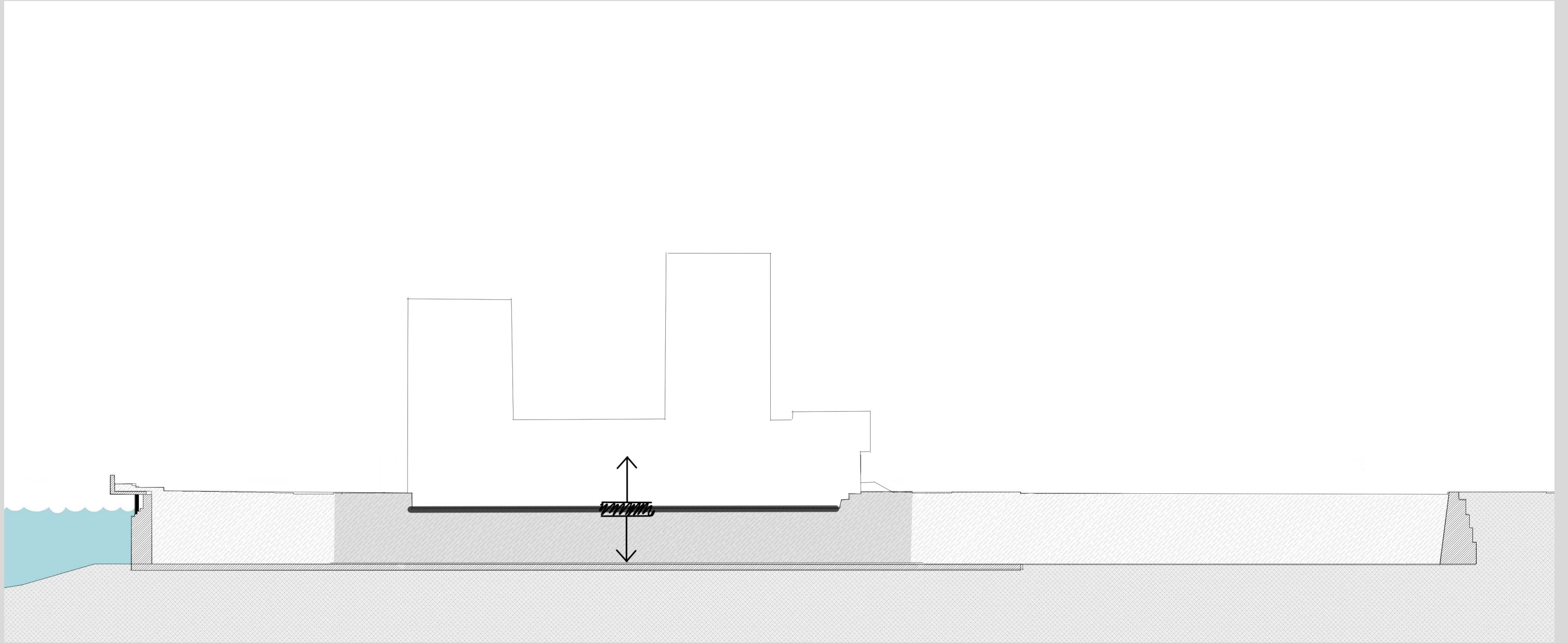
dock walls in the new parking garage further south

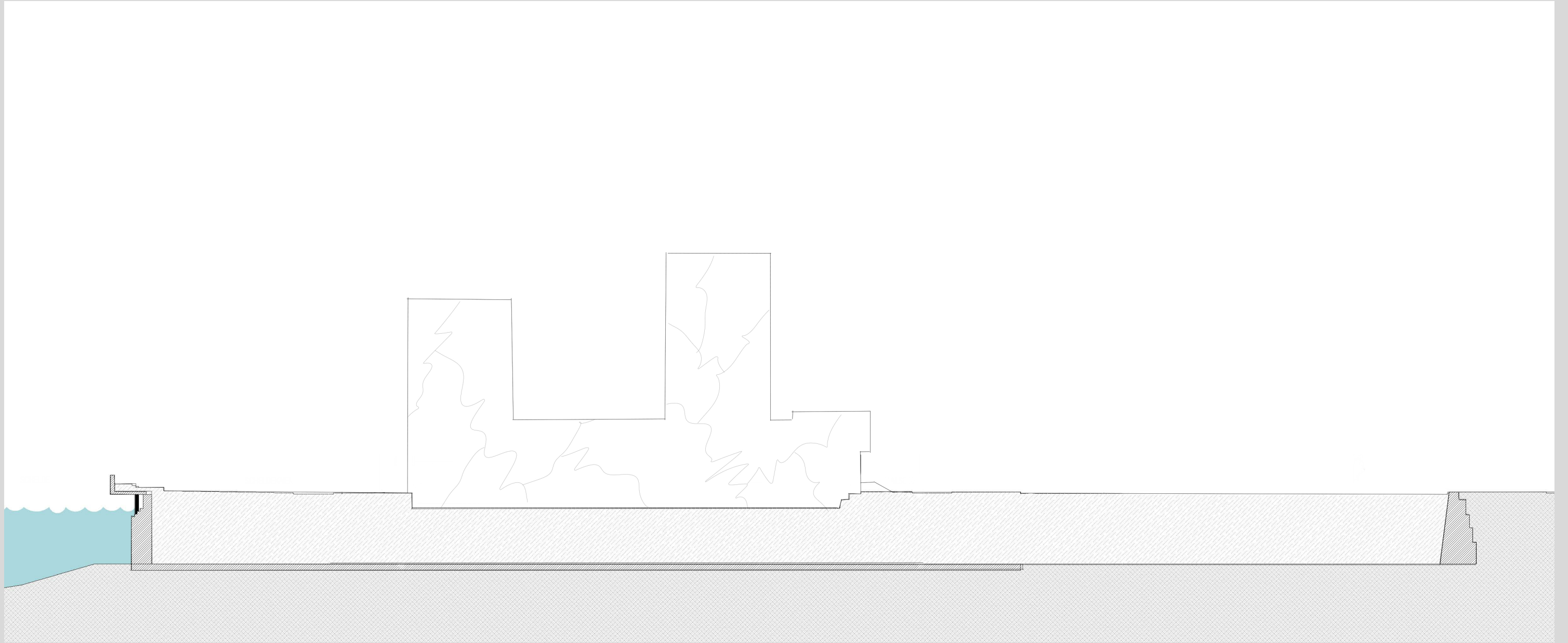


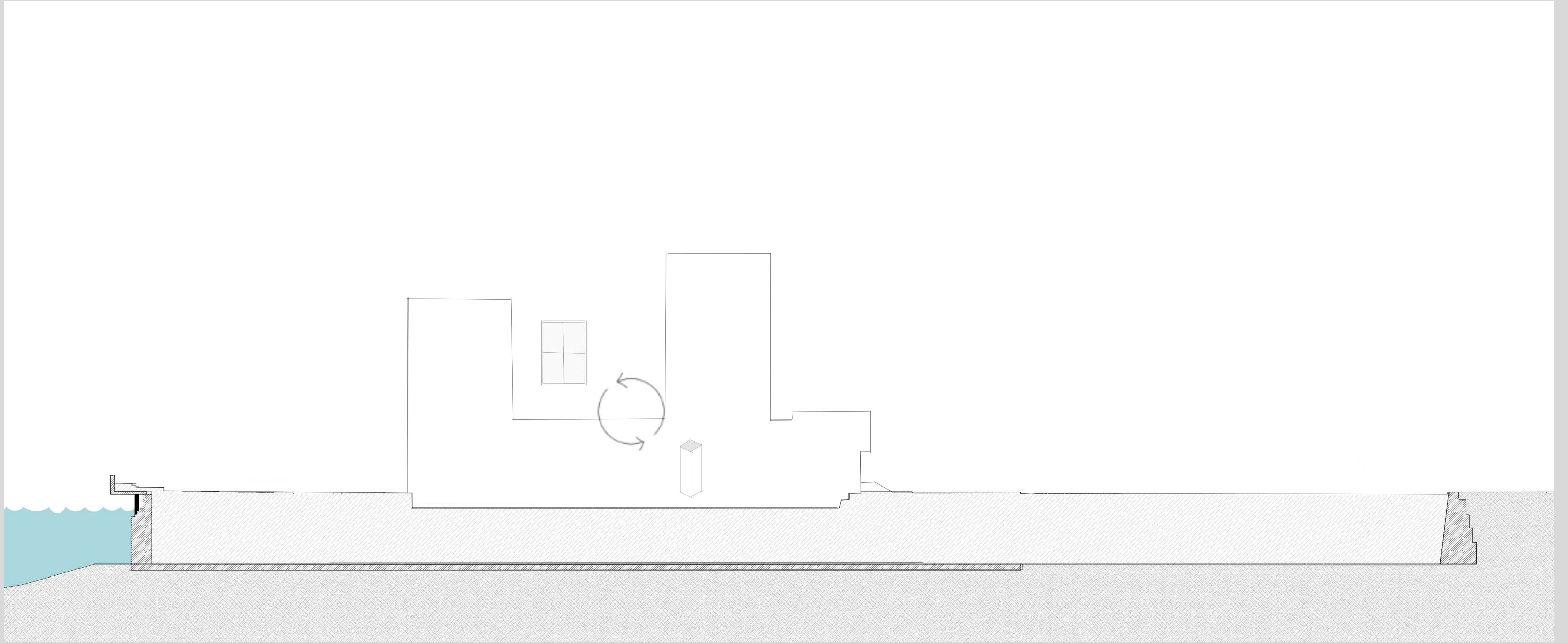


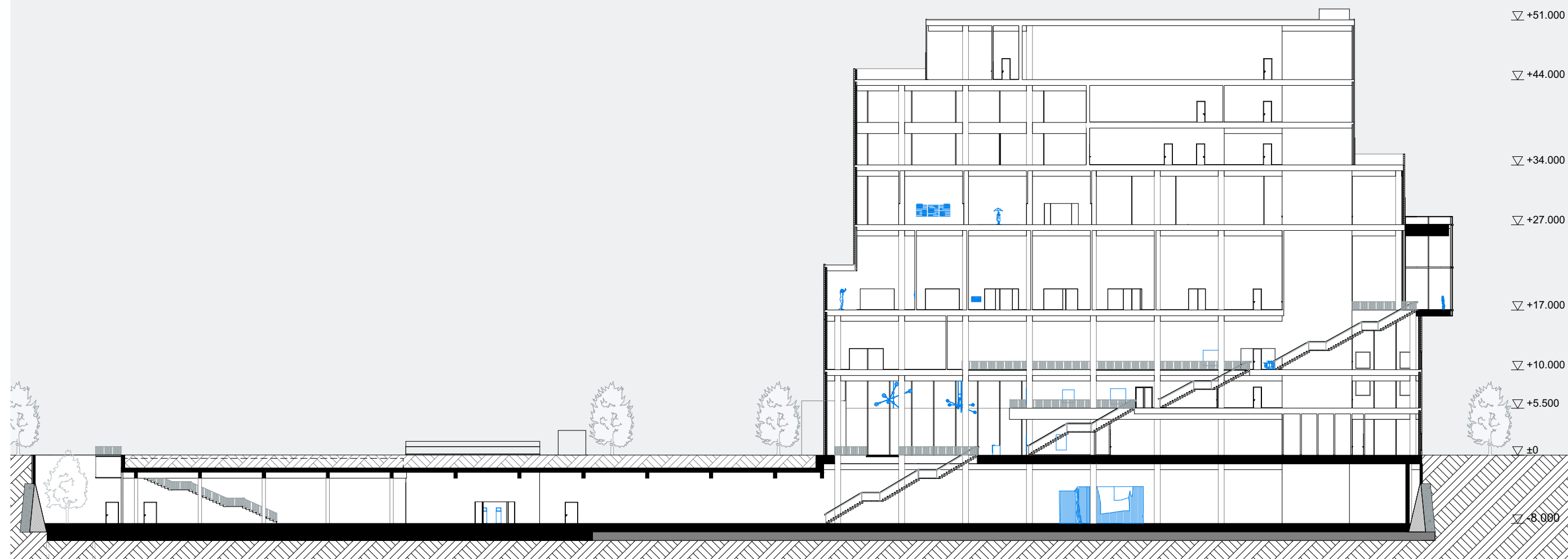
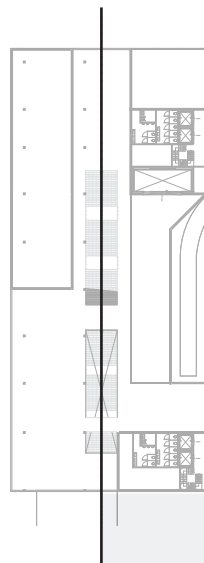
plan of foundation poles underneath the existing court building











▽ +51.000

▽ +44.000

▽ +34.000

▽ +27.000

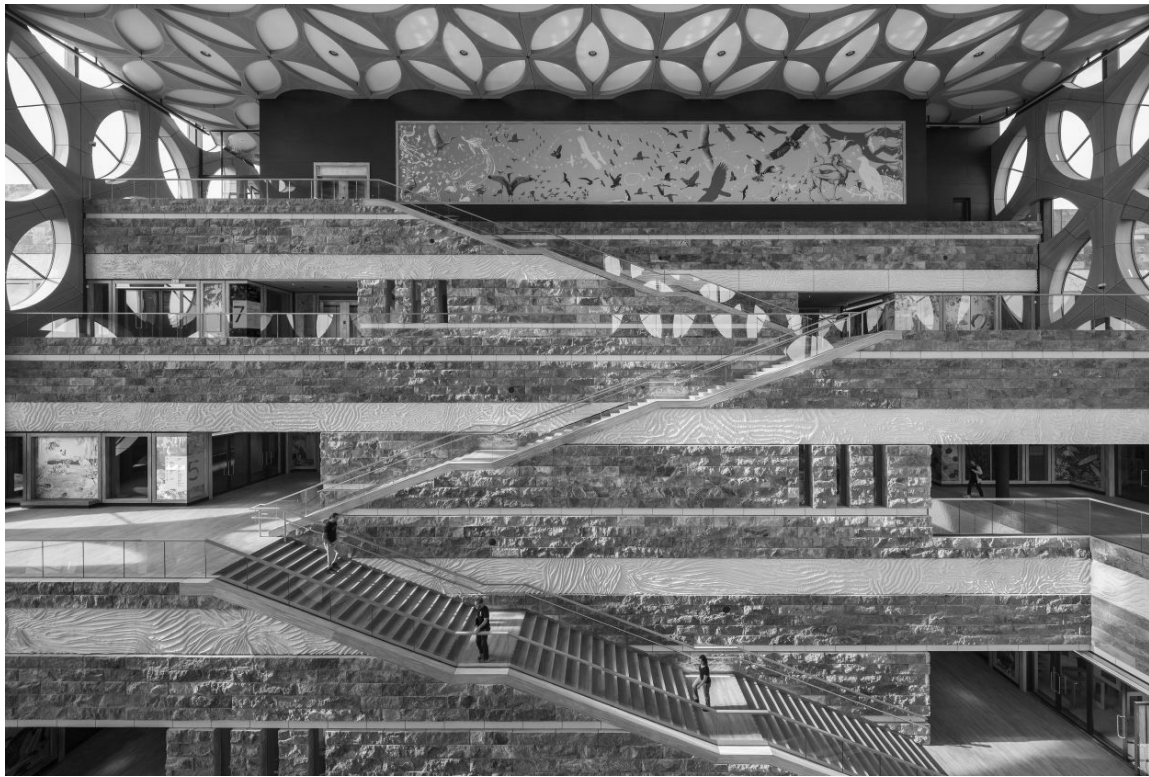
▽ +17.000

▽ +10.000

▽ +5.500

▽ ±0

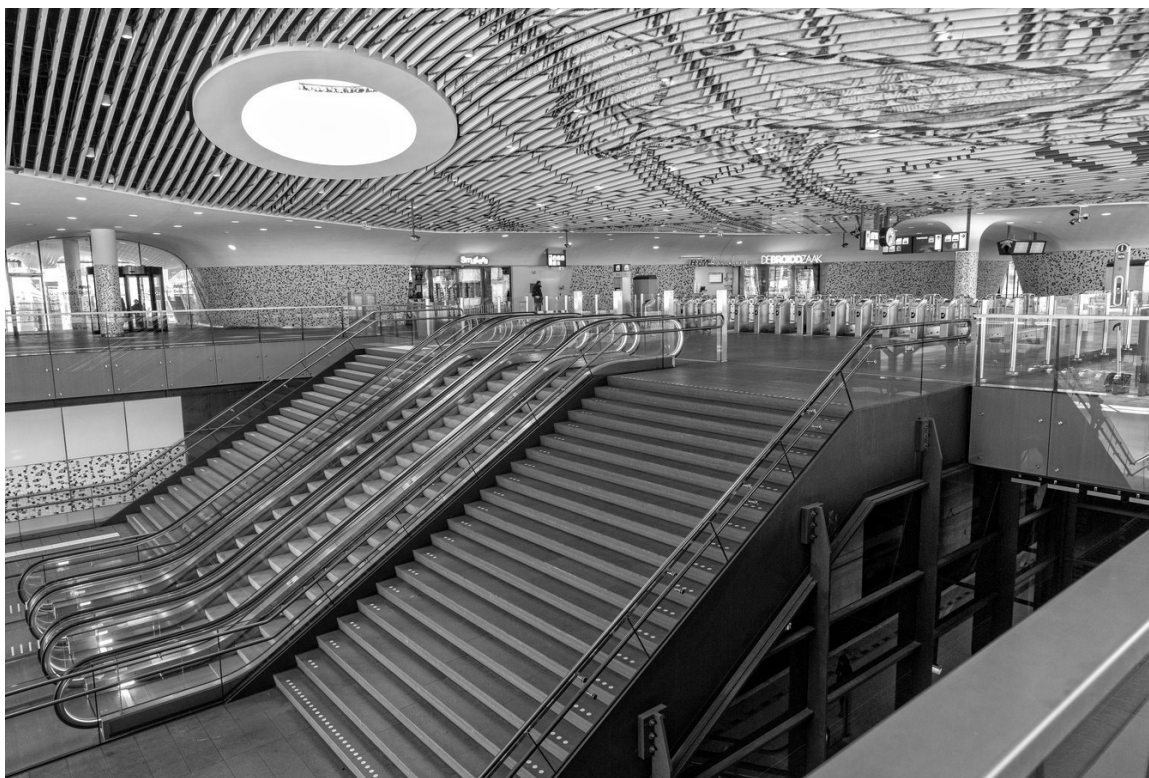
▽ -8.000



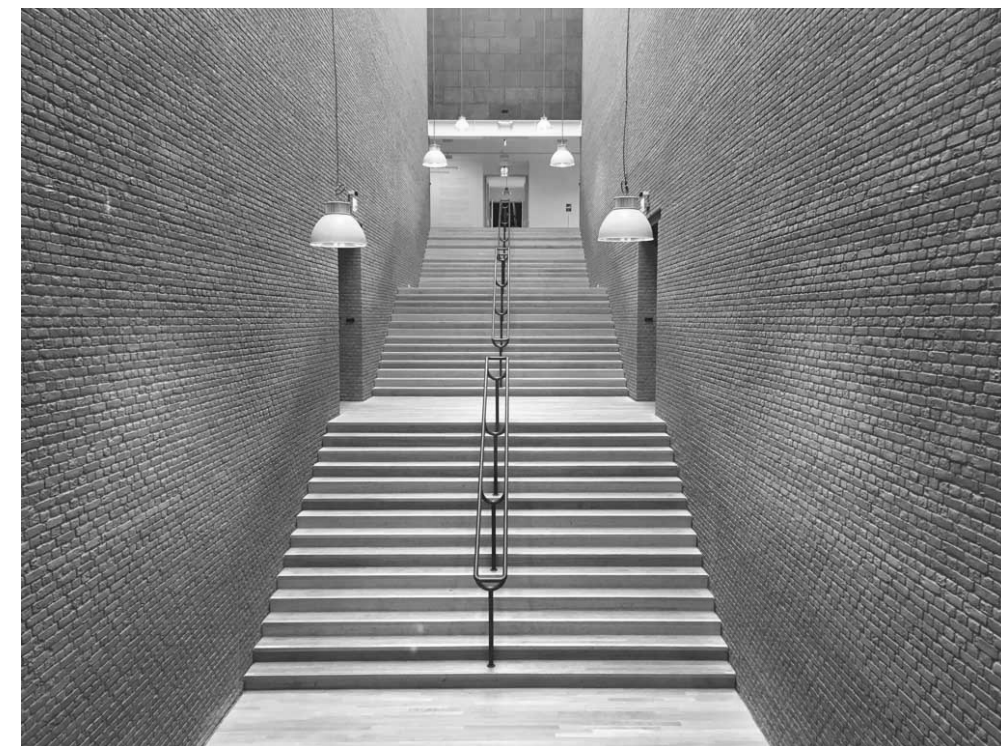
Stairs in the entrance hall of the Naturalis in Leiden by Neutelings Riedijk



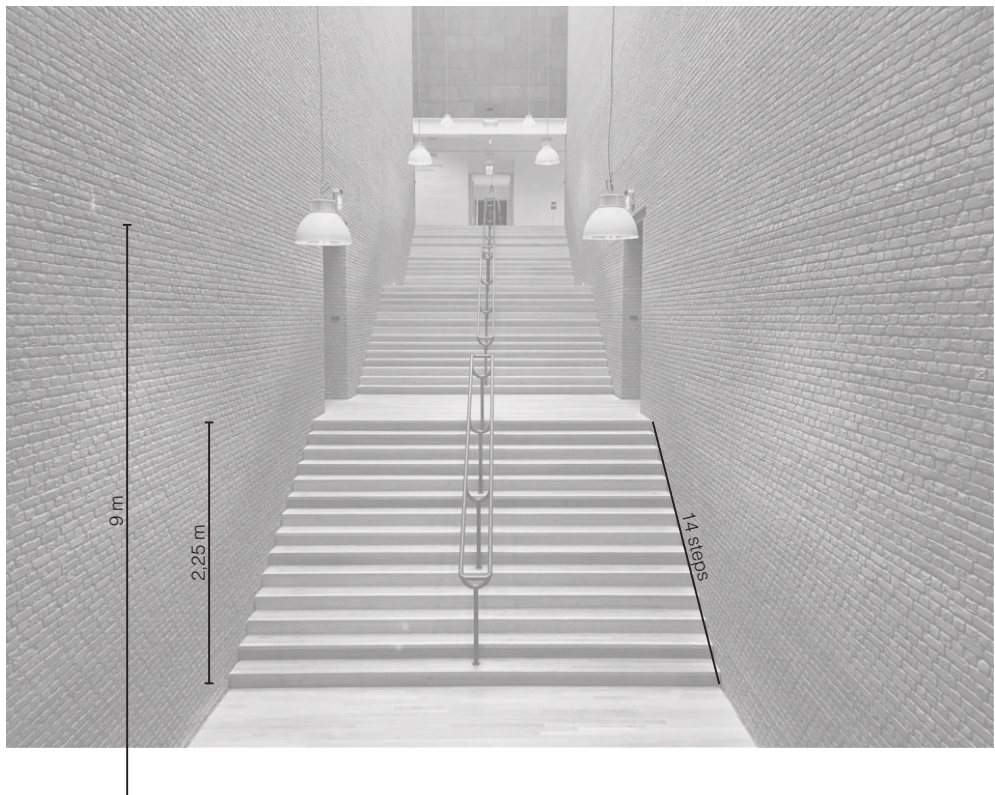
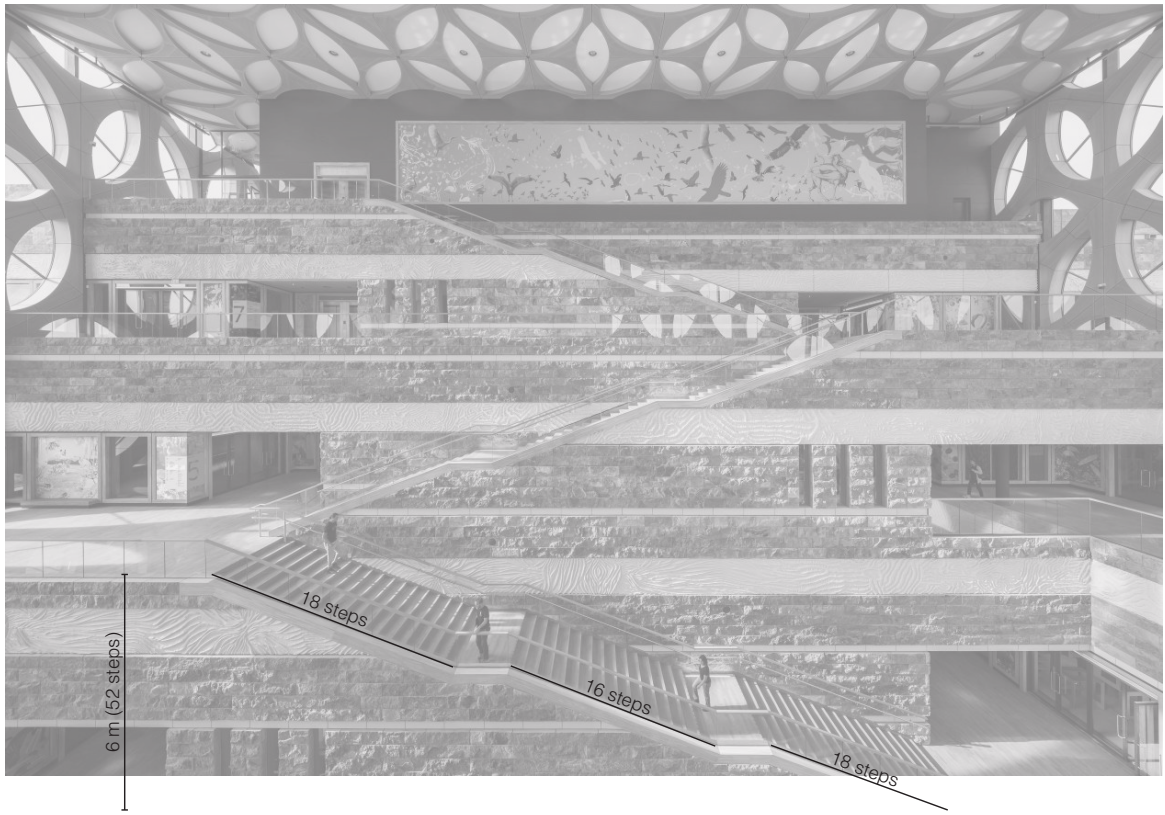
stairs KMSKA in Antwerp by KAA

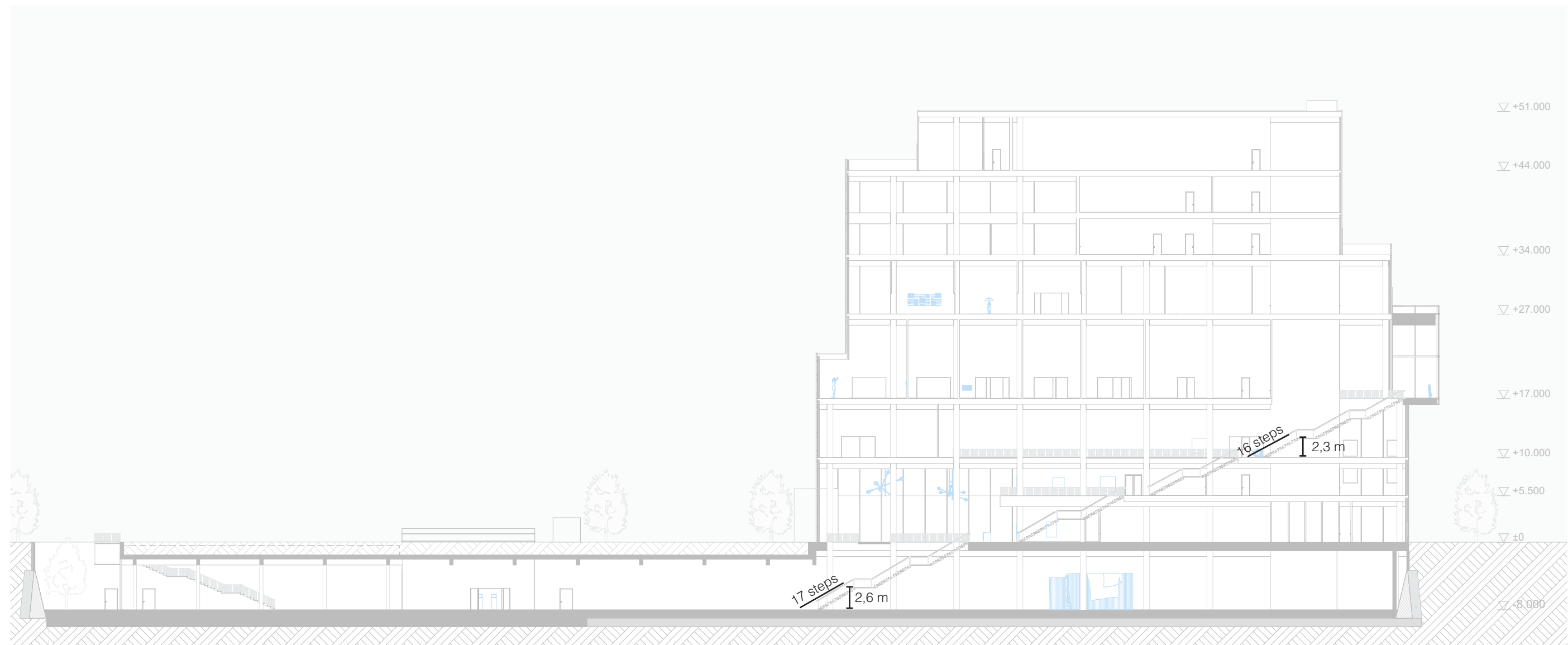
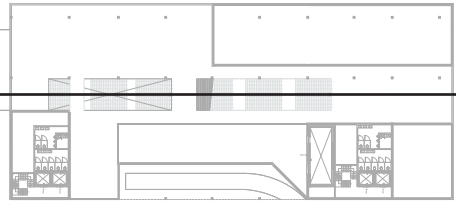


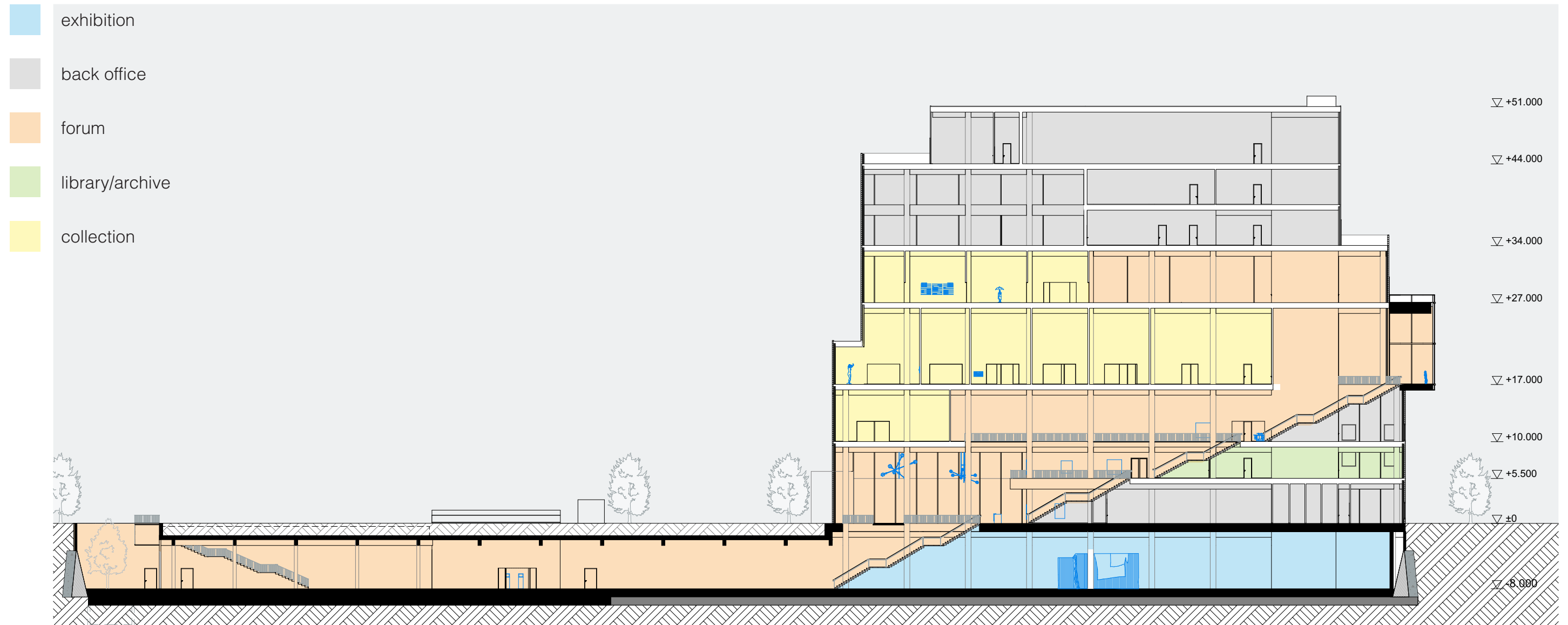
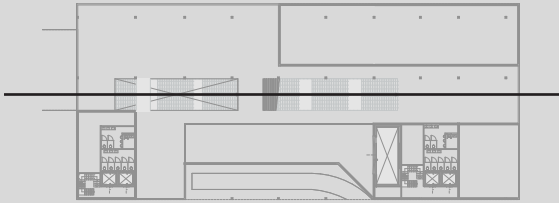
stairs at Delft station by Mecanoo



stairs at Bonnefanten museum in Maastricht by Aldo Rossi





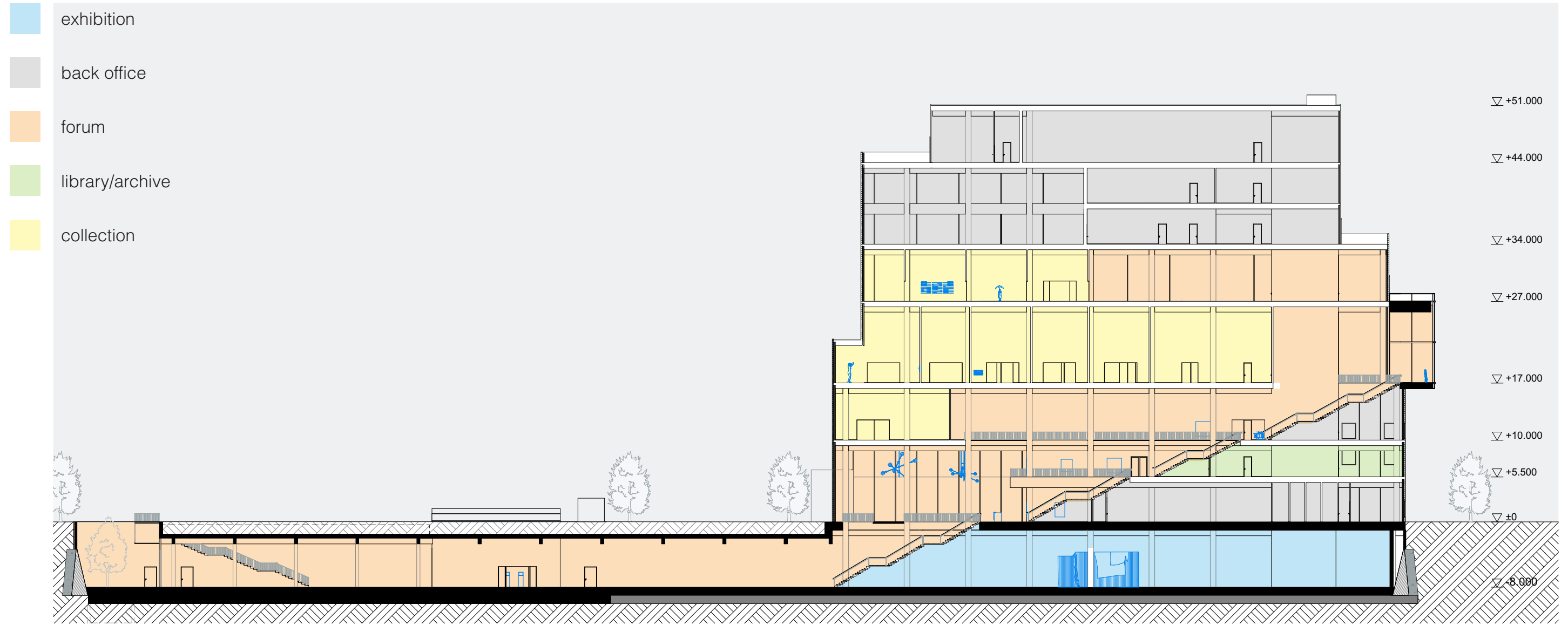
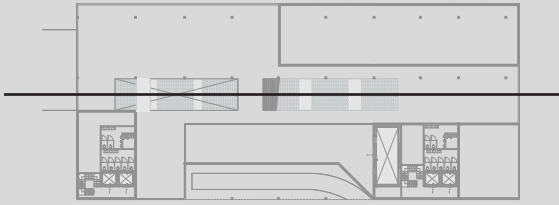


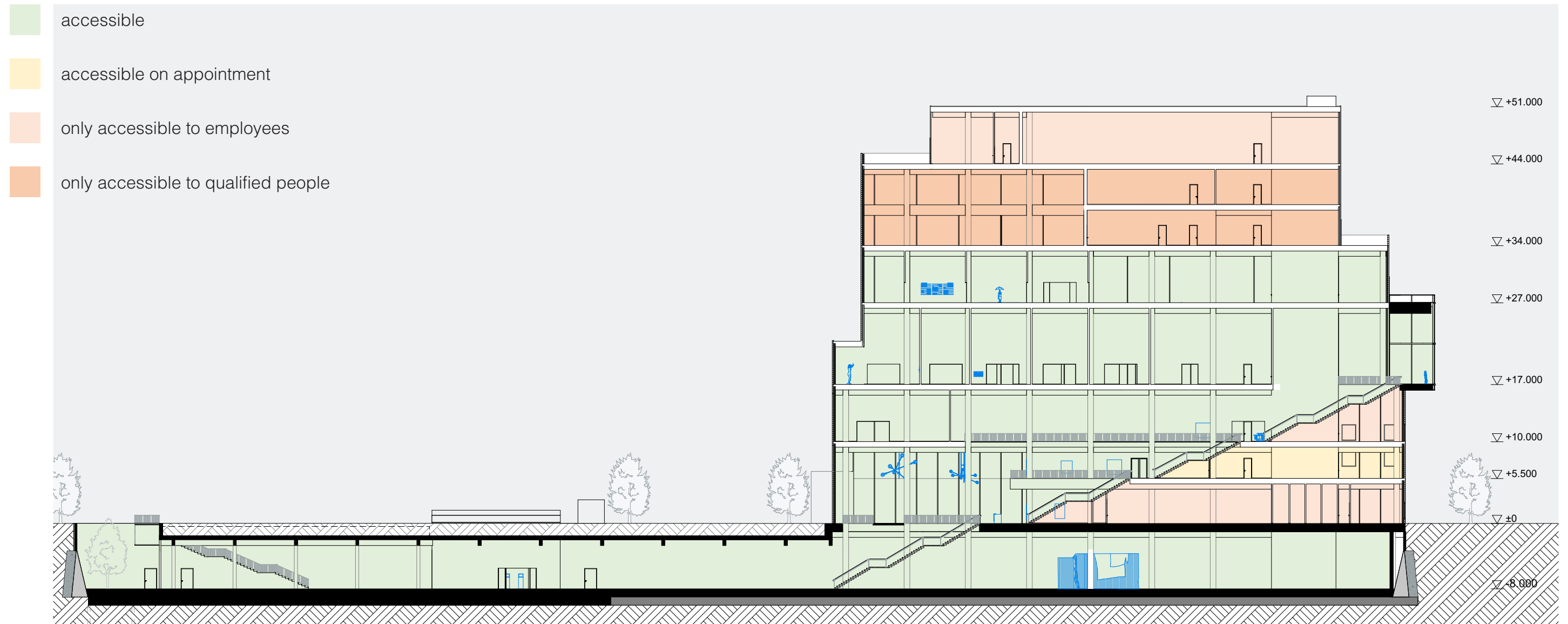
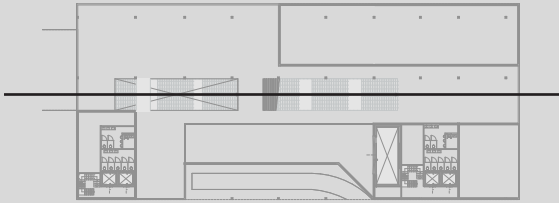
PvE														amount of daylight	level of accessibility		
component	function	type	amount	min netto srf (m2)	height (m)	min netto vol (m3)	bruterings factor	min bruto srf (m2)	min bruto vol (m3)	next to	accessibility	daylight	extra info				
4.2	collection	circuit 1		1.792		10.408	1,3	2.330	13.530		accessible to visitors for free/paid	in the main rooms there should be filtered daylight from the ceiling, starting 1m from the walls	large works should be able to get in directly from outside - the rooms should be easily accessible from the entrance - easily accesible from tranport zone through a wide logistical hall - accessible by freight elevator				
			main room type 1	4	160/r	min 8 m				other rooms in circuit 1 in enfilade							
			main room type 2	6	104/r	5 - 6 m											
			side room type 1	5	64/r	4,5 - 5 m											
			side room type 2	8	26/r	min 3,5 m											
		circuit 2			1.040		5.200	1,3	1.352	6.760						other rooms in circuit 2 in enfilade	
			main room type 2	10	104/r	5 - 6 m											
	round room		1	200	4 m	800	1,3	260	1.040								
				3.032		16.408											
4.3	exhibition	main circuit	main room	3 - 4	1.800	5 - 6 m	10.800	1.5	2.700	16.200		accessible to visitors for free/paid	every main room needs it's own entrance - parts need to be able to be closed of without distorting the flow - the whole interior needs to be changeable - the main circuit functions as one whole - large works should be able to get in directly from outside - the exhibition rooms should be easily accessible from the entrance (at least three directly) - easily accessible from transport zone through a wide logistical hall - accessible by freight elevator - at least one alternative entrance into one of the rooms from the outside would be preferred				
		sub circuit 1	exhibition room	1	450	min 8 m	3.600	1,5	675	5.400	main circuit						
		sub circuit 2	exhibition room	2	450/r	5 - 6 m	5.400	1,5	1.350	8.100	each other						
				3.150		19.800											
4.4.1	library / archive	reading room / library		1	222	3,80	844	1,5	333	1.265	connects to the forum and close to the documentation centre and the toilets	freely accessible to visitors	daylight preferable	books are in an open cabinet - 3 workspaces (6,5m2 / work space) - capacity of 50-60 visitors - stores 3500 books			
4.4.2		documentation centre		1	700	3,50	2450	1,5	1.050	3.675	easily accessible from study room, close to reading room and toilets	visit on appointment only	preferably no daylight	back office of the reading room			
4.4.3		study room		1	40	3,50	140	1,5	60	210	easily accessible from documentation centre and reading room, close to toilets	visit on appointment only	preferably daylight	max 10 work spaces of 3m2 - possibility to give presentations			
4.4.4		content management / digital work		1	39	3,50	137	1,5	59	205	close to toilets and kitchenette	not accessible for visitors	daylight needed	office space in landscape setting			
4.4.5		supporting services			20	3,50	70	1,5	30	105	close to library, study room, documentation centre and digital work	not accessible for visitors					
		staff toilets		1	incl												
4.4.6		kitchenette		1	incl												
		archive work			130	3,50	455	1,5	195	683		not accessible for visitors					
4.4.7		office space		1	incl						connects directly to the scan room, close to the technical work depot art archives and the toilets and kitchenette		daylight needed	office space in landscape setting			
		scan room		1	incl						connects directly to the office space archive work		no daylight needed	separate closed room - 1 work space			
		technical working archive depot															
			reception - closed quarantine room		1	incl						close to the freight elevator and/or logistical hall and to the processing room	only accessible for qualified people	daylight is allowed, but not needed (from north)	the quarantine room is a closed room		
			processing room		1	incl						connects directly to the depot art archives , close to the quarantine room	only accessible for qualified people	preferably daylight (from north)	a work space - only accessible through sas (?)		
			depot art archives		1	750	4,50	3.375	1,5	1.125	5.063	directly connected to the workshop, close to the quarantine room and easily accessible through transport zone to the depot art archives	only accessible for qualified people		it is a closed, secured room - it is split up in a standard archive (550m2) and a audio-visual archive (150m2) - accessible through sas (?) - accessible by freight elevator		
				1.901		7.470											
4.5.1		the forum	main forum space		1	1.556	9,00	14.004	1,7	2.645	23.807	well connected to the freight elevator and backoffice art handling, easily accessible from reception and other forum functions, close to toilets, eaisly accessible from the outside when museum is closed		direct daylight necessary	good acoustics - view to outside necessary - should be able to host multiple functions and routes at the same time		
4.5.2			reception														
			lobby / hall		1	570	9,00	3.420	1,7	969	5.814	easily accessible to go to the reception, the museum shop, the garderobe, the group reception and toilets, strong connection to the outside and a good connection to the main forum space			good readability of the space for routing - should be able to have 30 ppl look at a screen/presentation - acoustics are very important - flexible seating objects - integrated screens		
			reception zone and cloak room groups		1	incl						directly accessible from the lobby, close to toilets			groups preferably not mixed with other visitors - lockable storage spaces		
			cloak room and locker room		1	incl						directly accessible from the lobby, close to toilets			at least 200 smaller lockers of different sizes - at least 25 bigger lockers of different sizes - storage space for wheel chairs and portable seats		
4.5.3			desk / orientation / ticketing		1	incl	3,00					connects to or is part of the lobby, close to the reception storage		enough daylight for employees	the desk has space for 3 employees, that need to be able to oversee the whole space and not feel the wind from the doors - acoustics are important - (possibly) in case of overcrowding a second desk can be opened		
			reception storage		1	incl						easily accessible from reception					
			specific forum related functions														
			museum shop		1	180	4,00	720	1,7	306	1.224	preferably accessible from outside or part of the forum function which can be open till later the space has its own entrance, preferably accessible from the street, or part of the forum function which can be open till later, direct connection the the forum is not required but preferable	everyone and after hours		preferably a seperate entrance so the shop can be open after hours and is also accessible to people that are not visitors of the museum		
			horeca		1	370	3,00	1.110	1,7	629	1.887		after hours		toilets and garderobe can be shared with the museum - insulated from the museum (heat and moisture from kitchen could damage the art works)		
		multifunctional event space and storage		1	incl forum	7,00				easily accesible to toilets, close to horeca - easily accessible for deliveries, directly accessible from the main forum space	after hours		part of the main forum space - seperate entrance so a part can stay open after hours (preferably) - capacity of min 250 (seated) to 500 (standing) ppl - 35m2 logistic storage space				

PvE					
component	function	type	accessibility	amount of daylight	level of accesibility
4.5.5		seminar rooms	after hours		
		auditorium / cinema	after hours		
		cinema room	after hours		
		educational space			
		supporting services			
		toilets visitors			
		staff toilets			
		first aid room			
4.6	back office workshops	workshops	only accesible for employees		
		wood workshop			
		metal workshop			
		painting workshop			
		audio and video space			
		storage for technical material			
4.7	back office art handling	transport and handling zone			
		sluis/sas	only accessible for employees		
		zone for loading and unloading			
		transfer space	only accessible for employees		
		registration, check and onderhoud	only accessible for employees		
		packing room (packing/unpacking)	only accessible for qualified people		
		storage for chests/plastic foil/wrapping material	only accessible for employees		
		storage for material and tools	only accessible for employees		
		space for collection management			
		quarantine space	only accesible for qualified people		
		work studio	only accessible for qualified people		
		photo studio	only accessible for qualified people		
		closed off interior depot	only accessible for qualified people		
4.8	back office logistics and technicalities	desk security and building management	only accessible for qualified people		
		main server space (MER)	only accessible for qualified people		
		kitchenette			
		toilets employees			

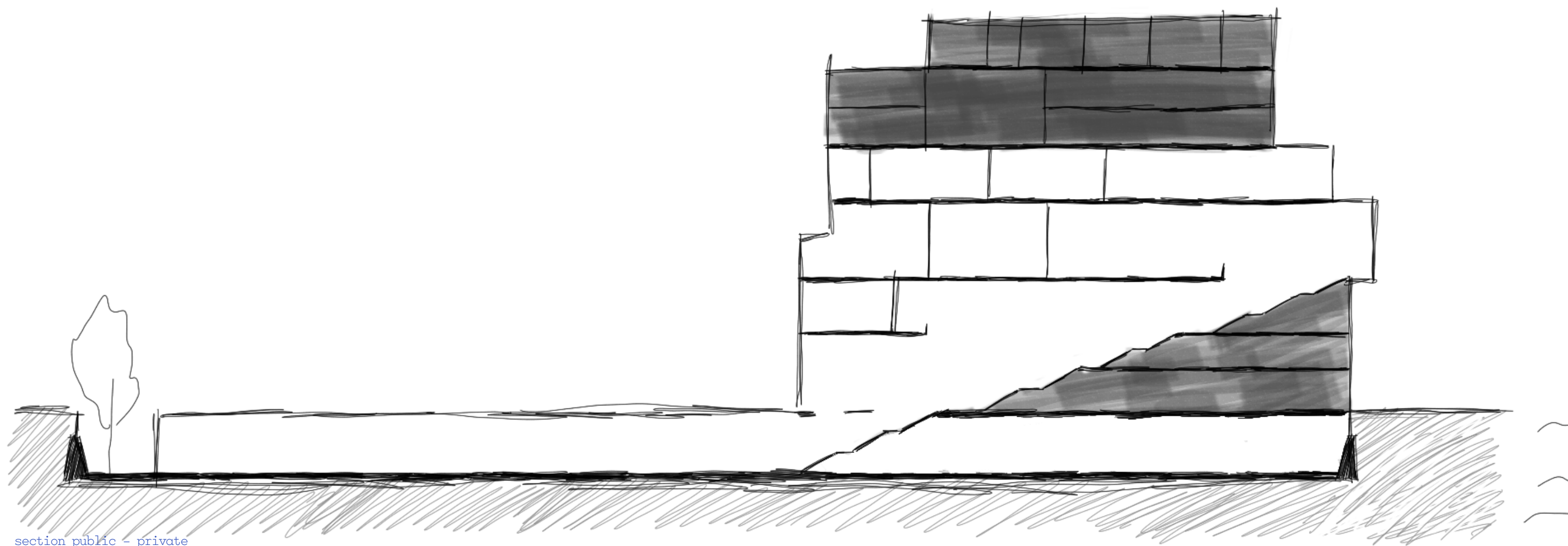
PvE										
component	function	type	accessibility	amount of daylight	level of accesibility					
4.9	back office administration	dressing rooms (incl showers)		accessible for employees, volunteers and external people						
		storage spaces								
			storage for cleaning							
			central logistical storage							
		bike storage								
		technical spaces					only accessible for qualified people			
		entrance for logistics								
			sluis/sas				only accessible for employees			
			zone for loading and unloading	only accessible for employees						
		office space for administration								
			office work places	only accessible for employees and on appointment						
			multifunctional conference room / quiet work places	only accessible for employees and on appointment						
			conference rooms							
		reception visitors and employees								
		locker rooms employees	only accessible for employees and on appointment							
		copy and print room / storage	accessible for employees							
		archive administration	accessible for employees							
		kitchenette								
		toilets								
		personnel refter with cooking possibility								
			refter personnel							
			kitchen							
			storage for kitchen							
	back office									
	4.5.4	Outside spaces	outside terrace forum							
4.9.3	outside space employees									

- accessible
- accessible on appointment
- only accessible to employees
- only accessible to qualified people





section through the stairs in the middle of the building



section public - private

PvE

component	function	type	amount	daylight	amount of daylight
collection	circuit 1				
		main room type 1	4		
		main room type 2	6		
		side room type 1	5		
		side room type 2	8		
	circuit 2				
		main room type 2	10		
	round room		1		
exhibition	main circuit	main room	3 - 4		
	sub circuit 1	exhibition room	1		
	sub circuit 2	exhibition room	2		
library / archive	reading room / library		1	daylight preferable	
	documentation centre		1	preferably no daylight	
	study room		1	preferably daylight	
	content management / digital work		1	daylight needed	
	supporting services				
		staff toilets	1		
		kitchenette	1		
	archive work				
		office space	1	daylight needed	
		scan room	1	no daylight needed	
	technical working archive depot				
		reception - closed quarantine room	1	daylight is allowed, but not needed (from north)	
		processing room	1	preferably daylight (from north)	
	depot art archives		1		
the forum	main forum space		1	direct daylight necessary	
	reception				
		lobby / hall	1		
		reception zone and cloak room groups	1		
		cloak room and locker room	1		
		desk / orientation / ticketing	1	enough daylight for employees	
		reception storage	1		
	specific forum related functions				
		museum shop	1		
		horeca	1		
		multifunctional event space and storage	1		

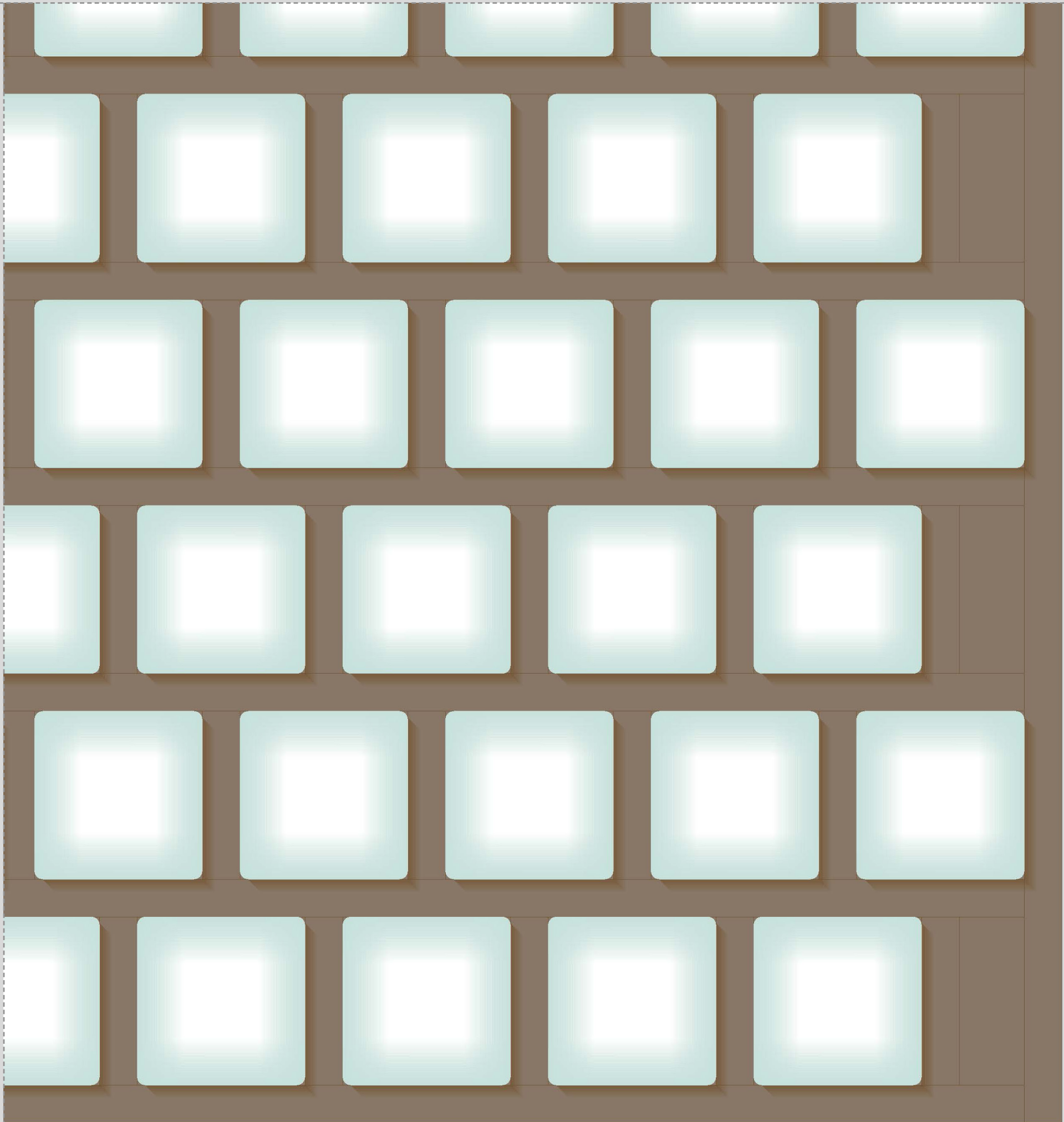
component	function	type	amount	daylight	amount of daylight
		seminar rooms	3	daylight is required	
		auditorium / cinema	1	daylight is not required but preferred	
		cinema room	1		
		educational space	1		
	supporting services				
		toilets visitors	1		
back office workshops		staff toilets	1		
		first aid room	1		
	workshops			daylight preferred in workshops	
		wood workshop	1		
		metal workshop	1		
		painting workshop	1		
back office art handling		audio and video space	1		
		storage for technical material	1	no daylight needed	
	transport and handling zone				
		sluis/sas	1		
		zone for loading and unloading	1		
		transfer space	1	no daylight needed	
		registration, check and onderhoud	1	daylight preferred (from the north)	
		packing room (packing/unpacking)	1	daylight preferred (from the north)	
		storage for chests/plastic foil/wrapping material	1	no daylight needed	
		storage for material and tools	1	no daylight needed	
	space for collection management				
		quarantine space	1	no daylight needed	
		work studio	1	daylight preferred (from the north)	
		photo studio	1	daylight preferred (from the north)	
back office logistics and technicalities		closed off interior depot	1	no daylight allowed	
	desk security and building management		1	daylight preferred	
	main server space (MER)		1		
		kitchenette	1	daylight not needed	
	toilets employees		2		

component	function	type	amount	daylight	amount of daylight
	dressing rooms (incl showers)		2		
	storage spaces				
		storage for cleaning	1		
		central logistical storage	1		
	bike storage		1		
	technical spaces				
	entrance for logistics				
		sluis/sas	1		
		zone for loading and unloading	1		
	office space for administration				
		office work places	1	direct daylight necessary	
back office administration					
		multifunctional conference room / quiet work places	3	daylight preferred	
		conference rooms			
		reception visitors and employees	1		
		locker rooms employees	1	daylight not needed	
		copy and print room / storage	2		
		archive administration	1		
		kitchenette	?		
		toilets	1		
	personnel refter with cooking possibility				
		refter personnel	1		
back office		kitchen			
		storage for kitchen			
Outside spaces	outside terrace forum		1		
	outside space employees		1		

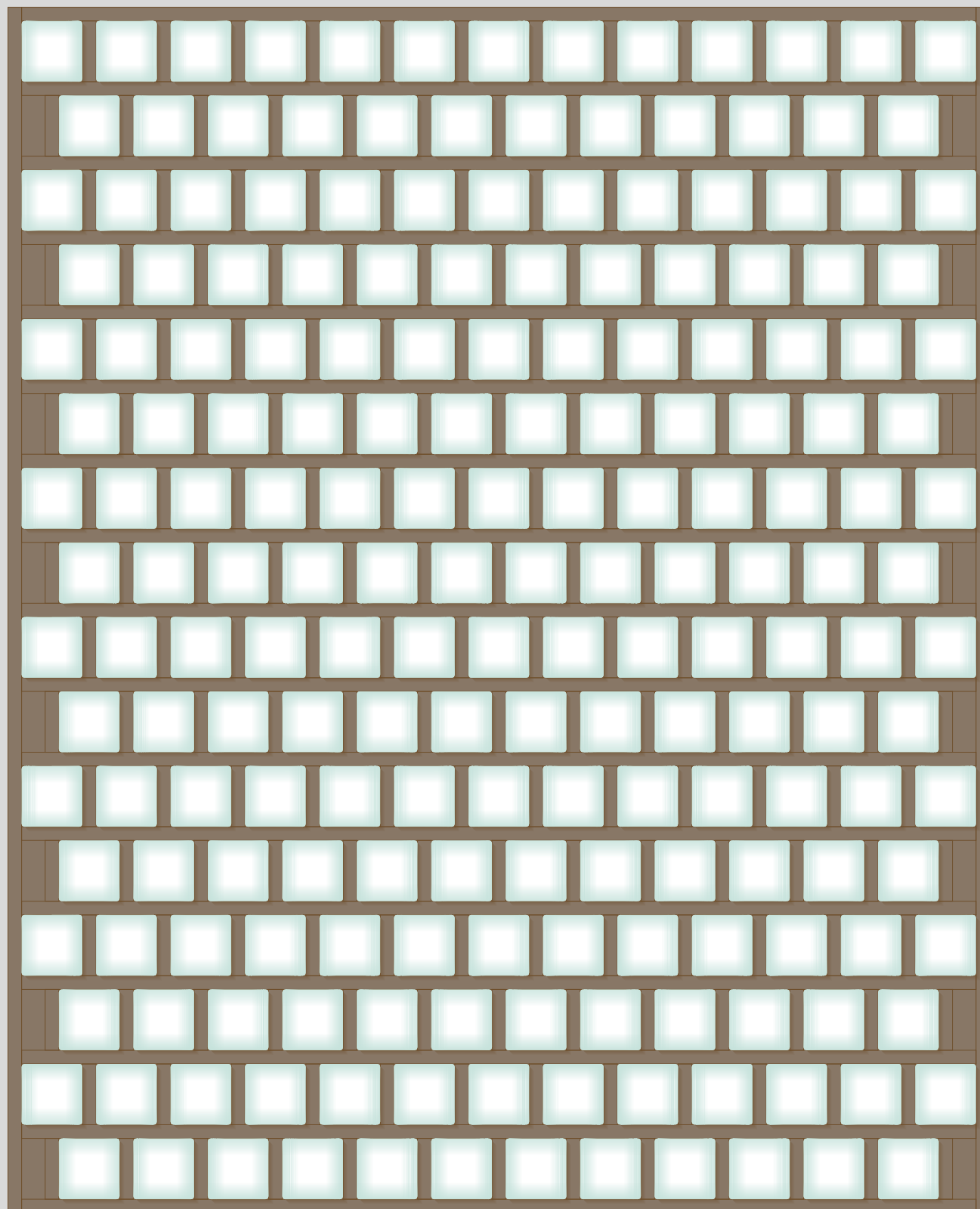
- direct daylight necessary
- daylight preferred
- no daylight needed
- no daylight allowed



a glass block

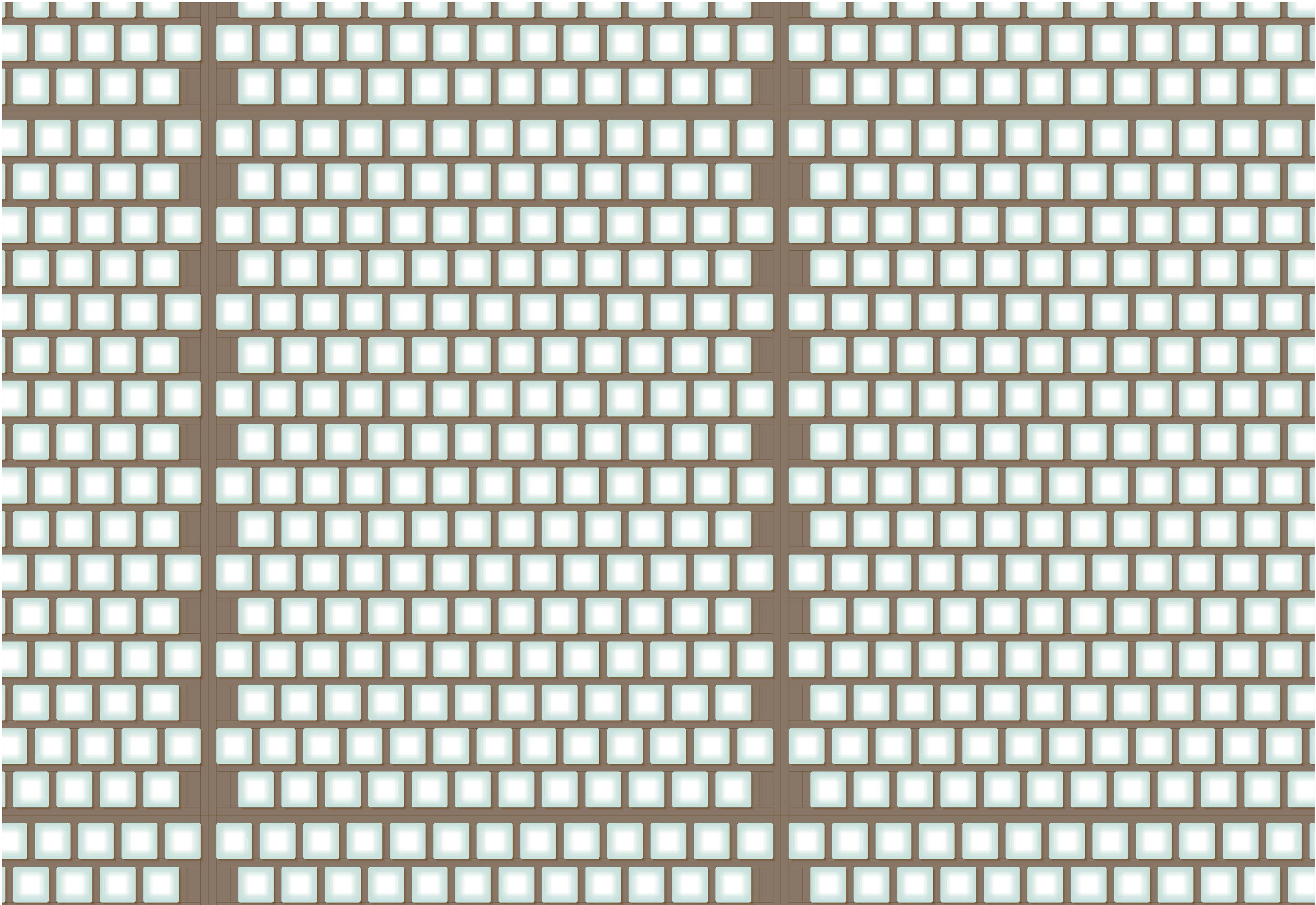


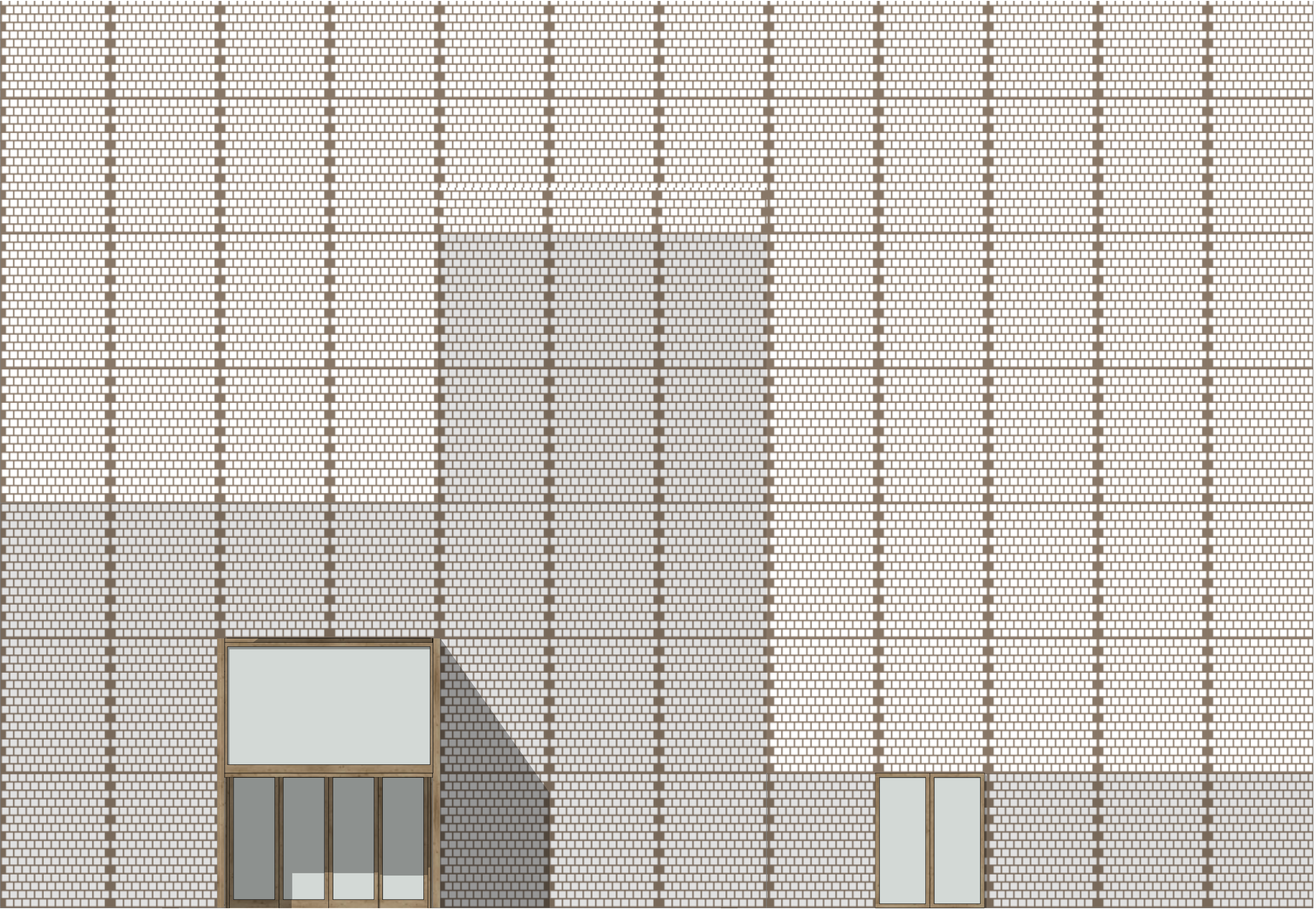
panel closeup

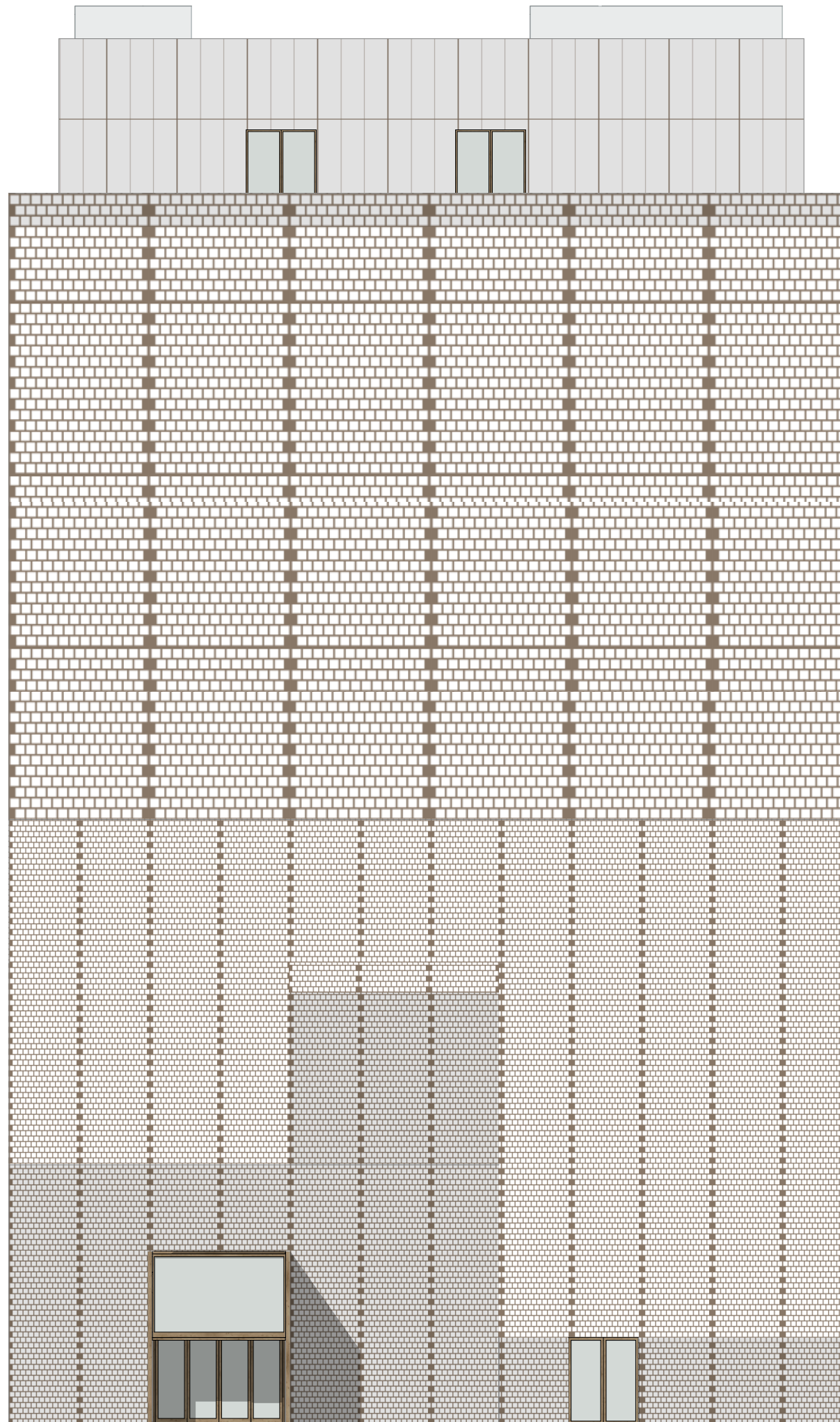


panel in human scale

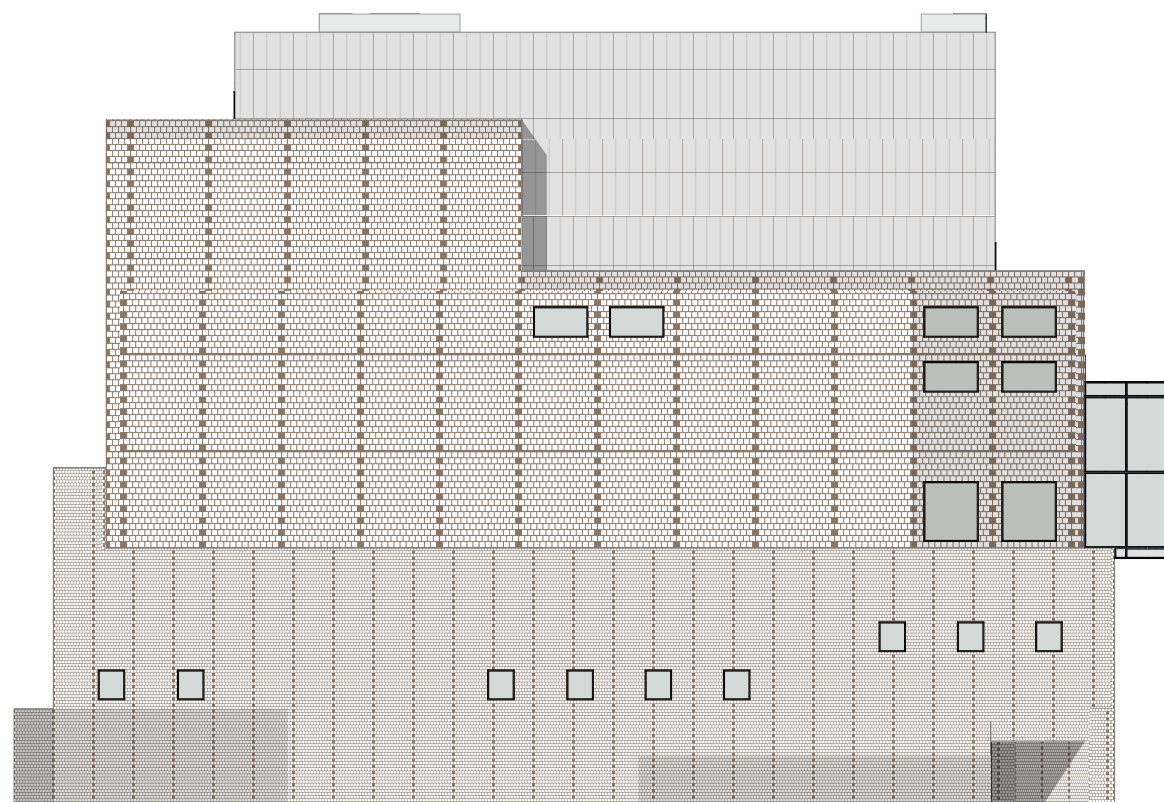




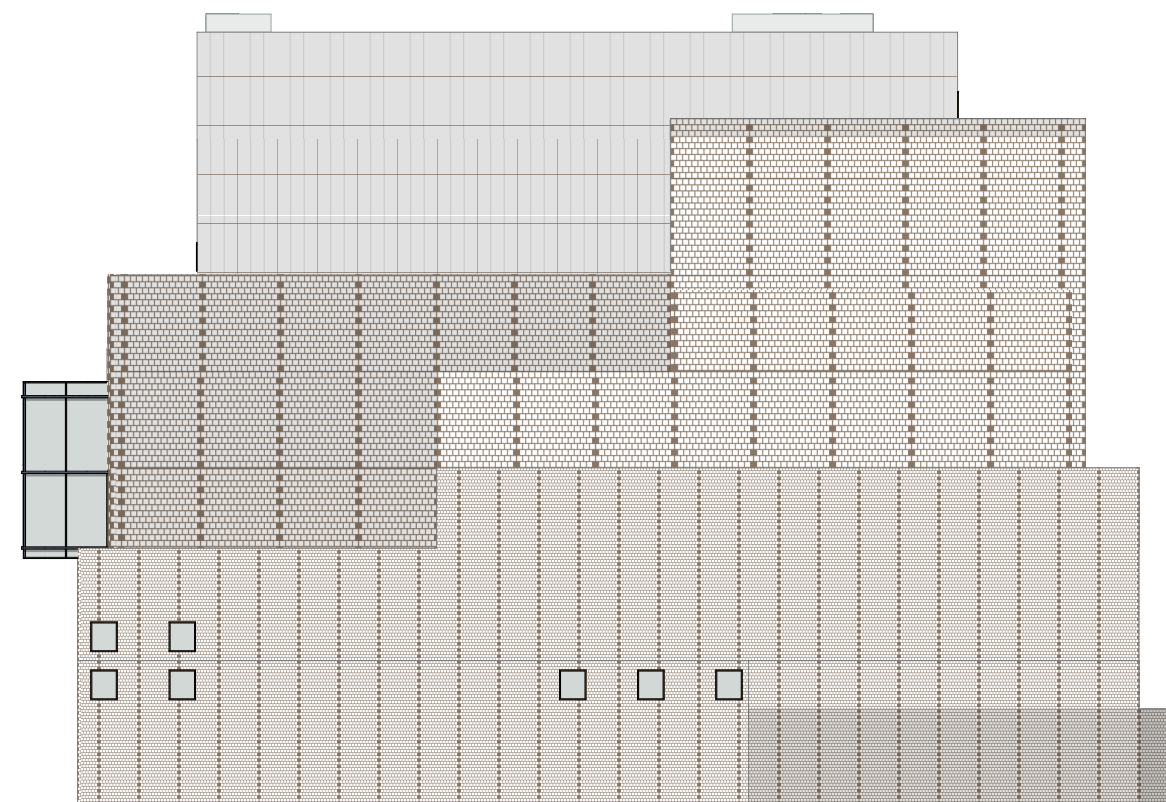




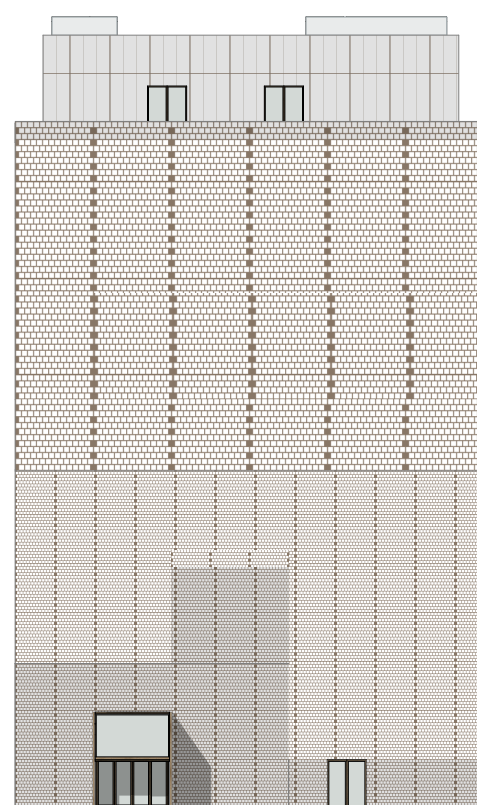
south-east elevation



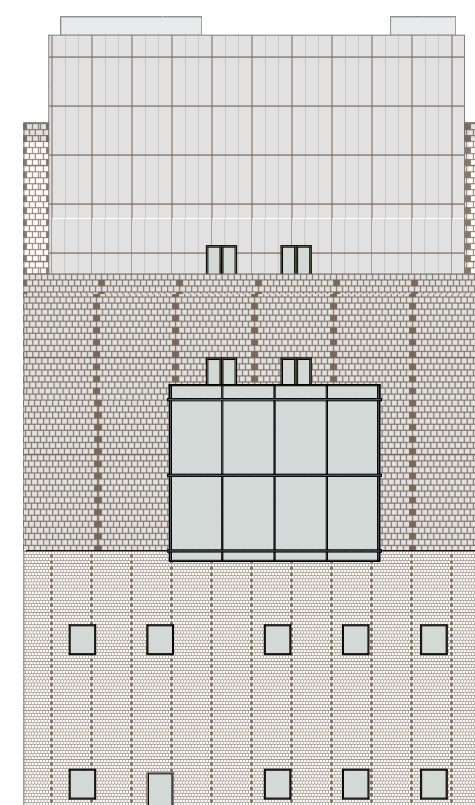
north-east



south-west

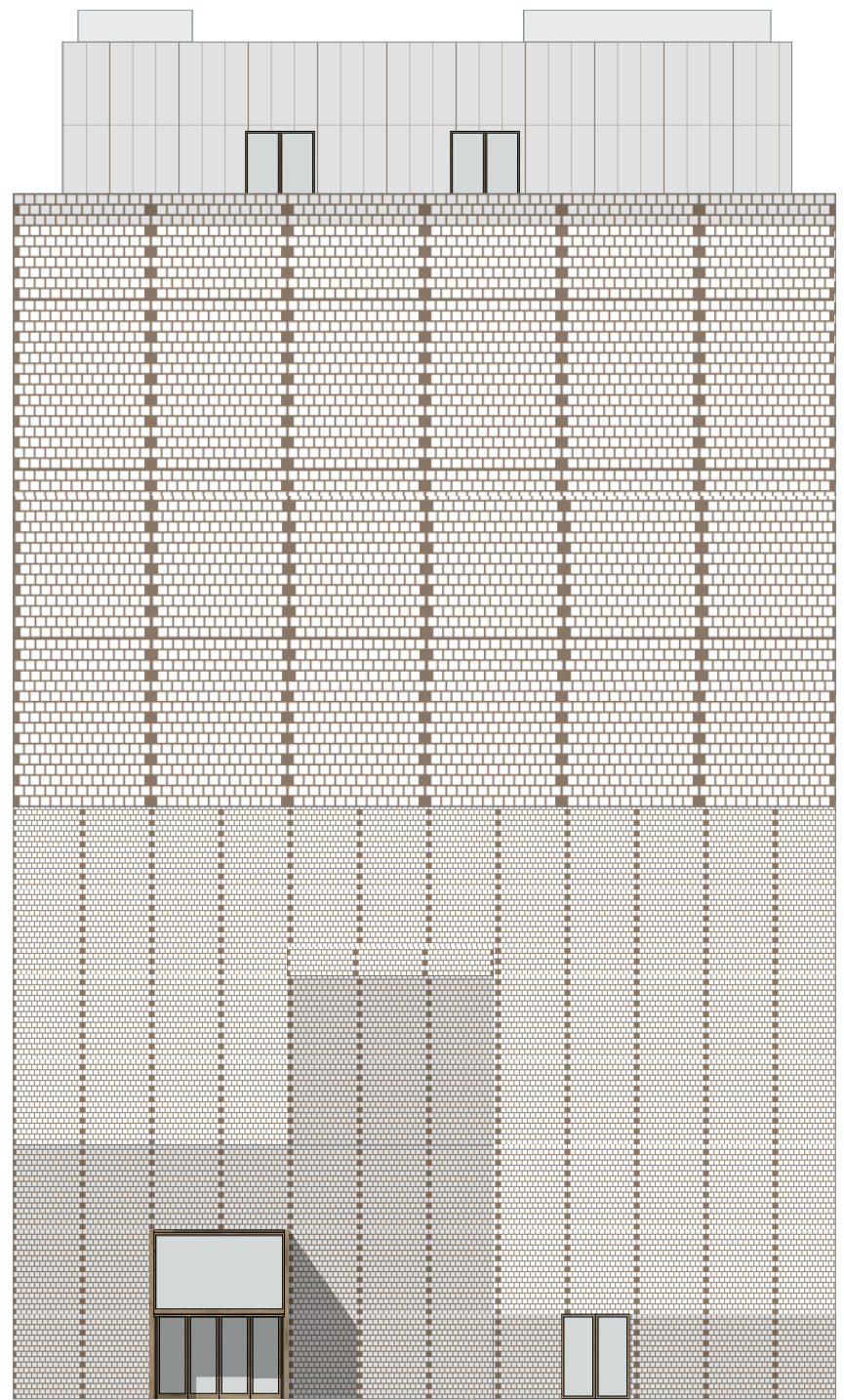


south-east

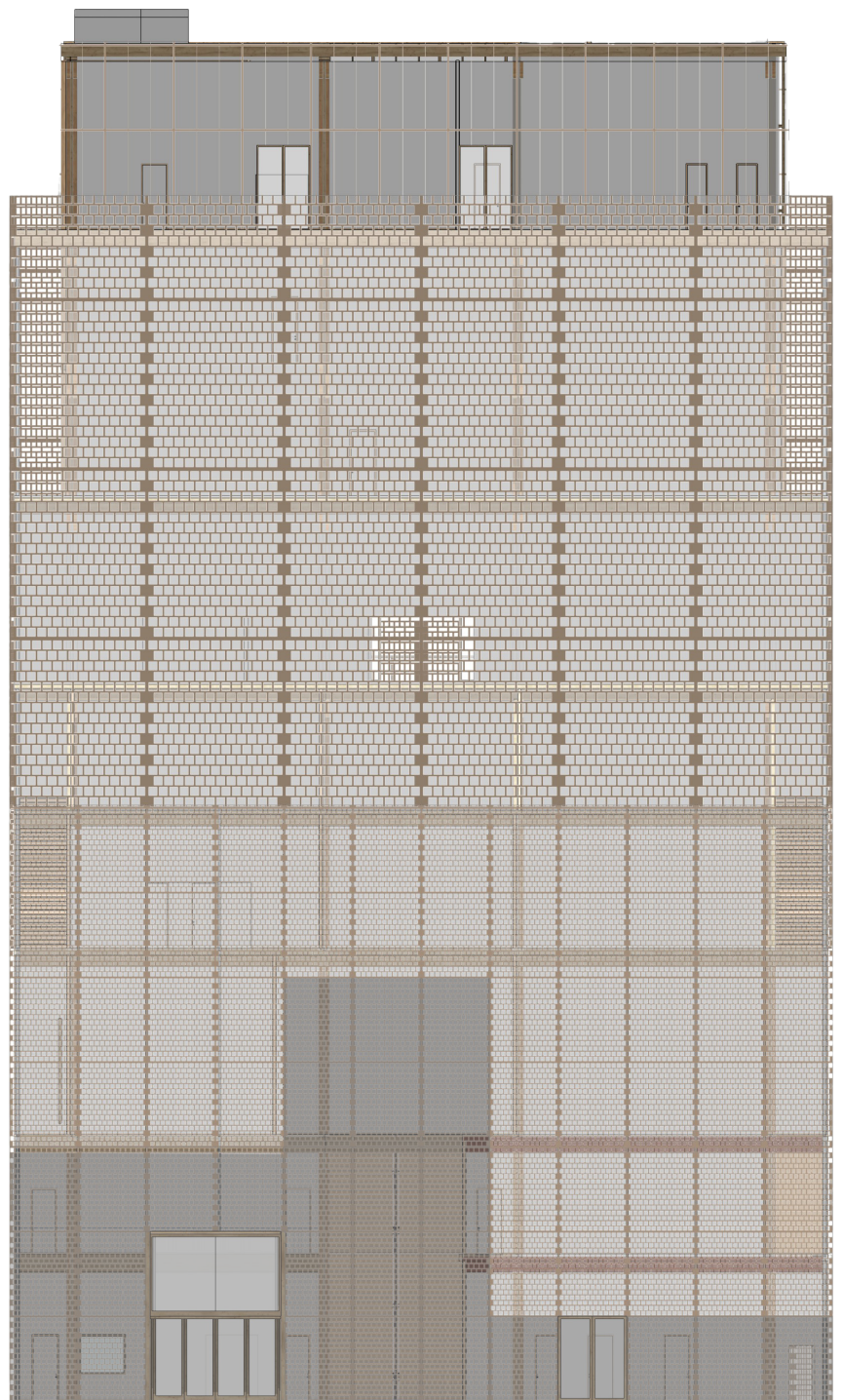


north-west

1:500



south-east elevation



south-east elevation

south-east



view from the park side



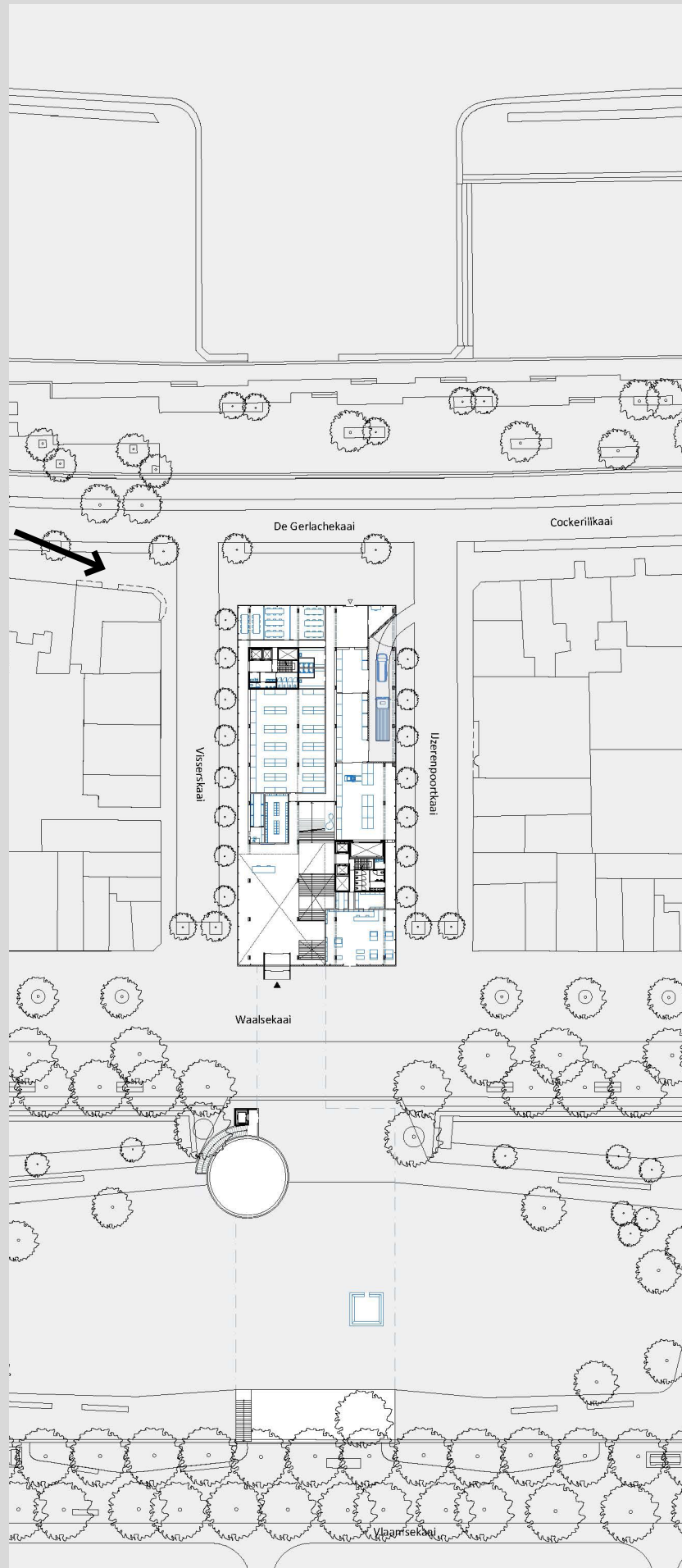
view from the quay side at night

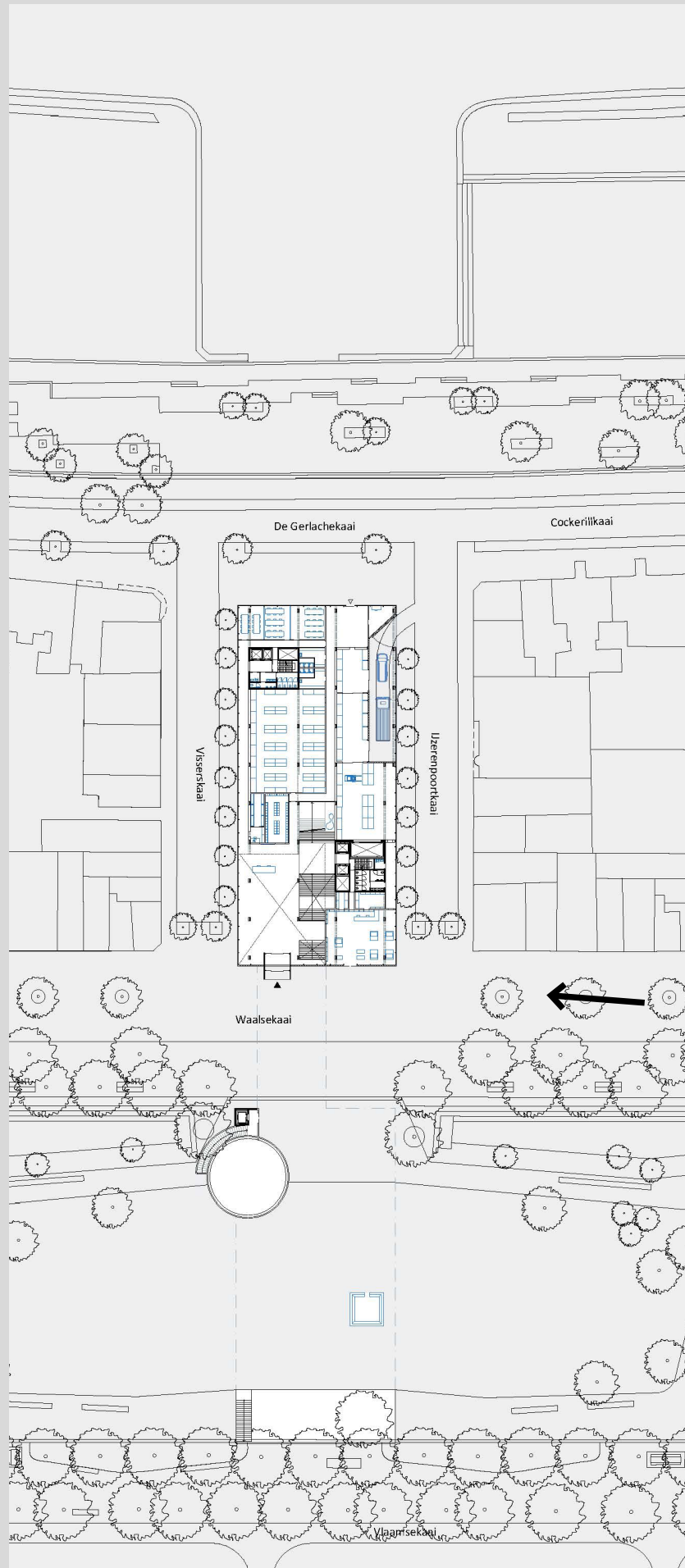


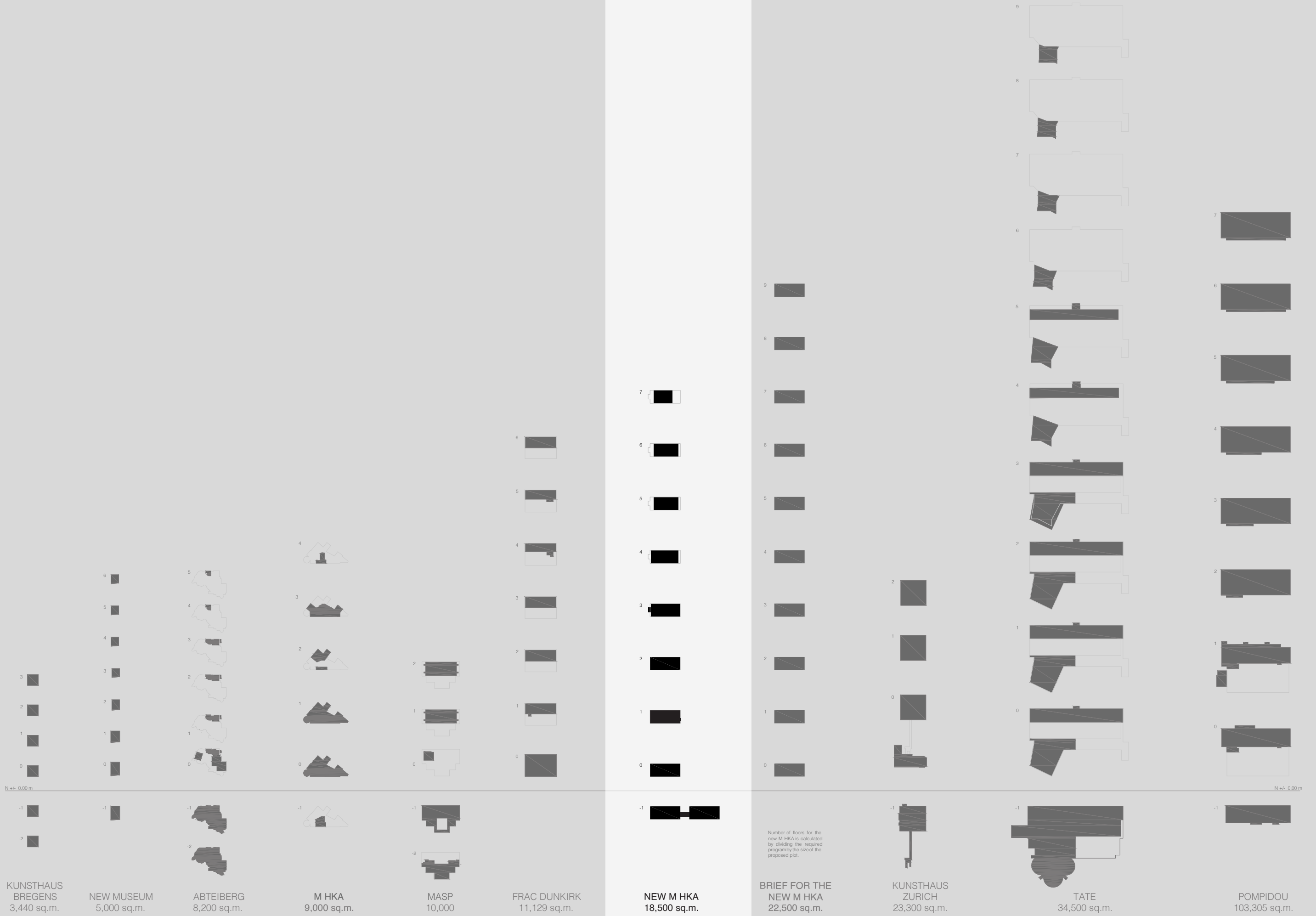
site plan



25m 100m

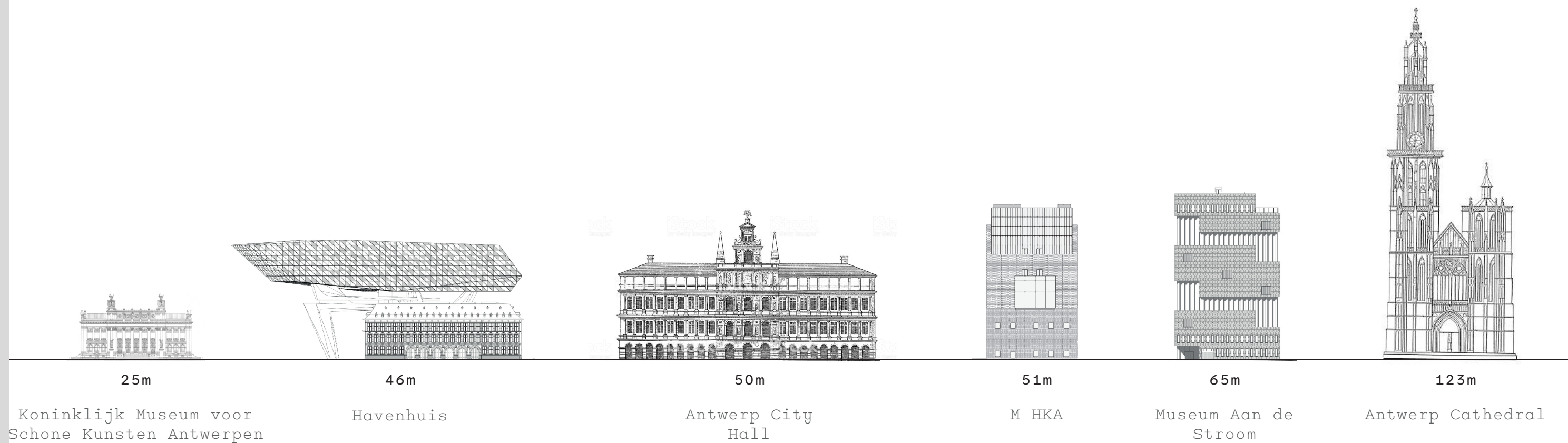














site plan



25m 100m



site plan



25m 100m



the lobby during the day



the lobby at night



- 1 floor
forum, exhibition
- ground floor
forum, museum shop, art handling zone
- 0.5st floor
library, reading room, archive
- 1st floor
collection, offices
- 2nd floor
view, collection
- 3th floor
collection, restaurant, forum
- 4th floor
depot, workshops
- 5th floor
offices, work studio
- 6th floor
roof terrace, archive depot, refter







exposed hollow
core floor slabs
as ceiling

red stained
oak wood

pinewood glulam
construction

white oak
stairs



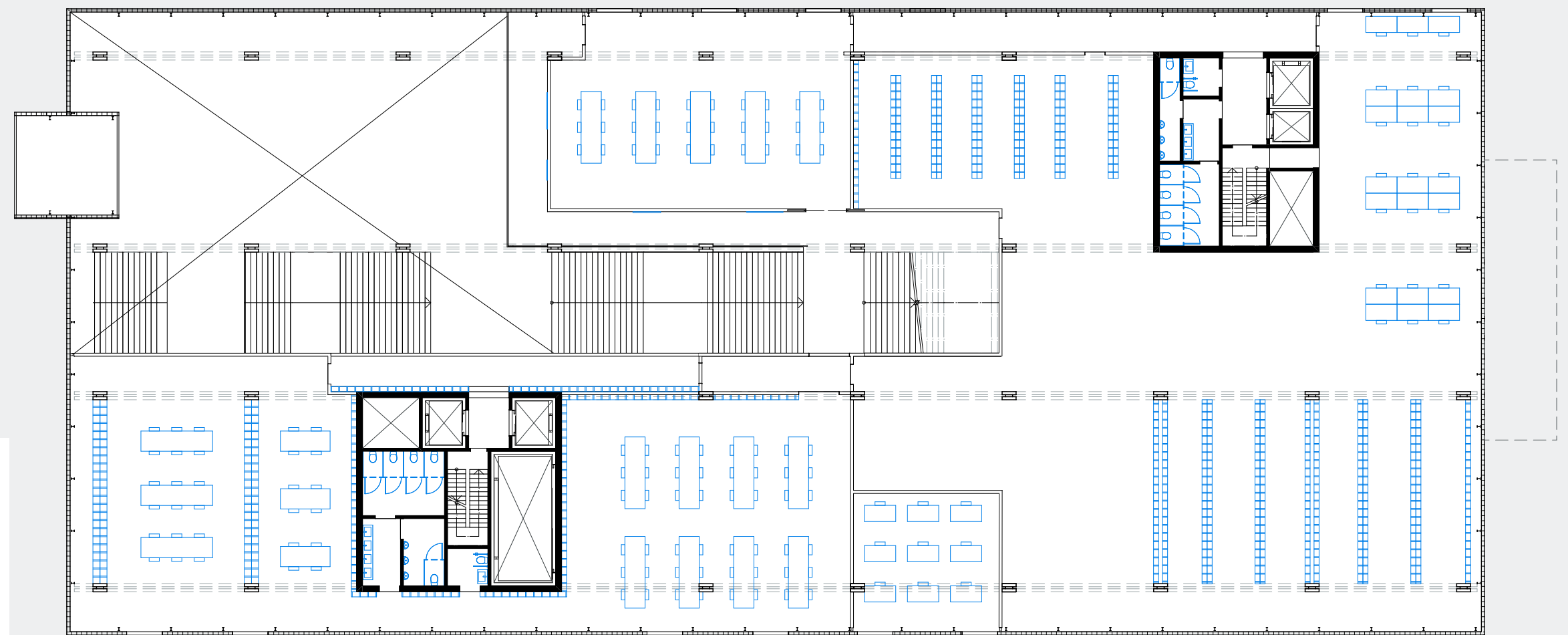








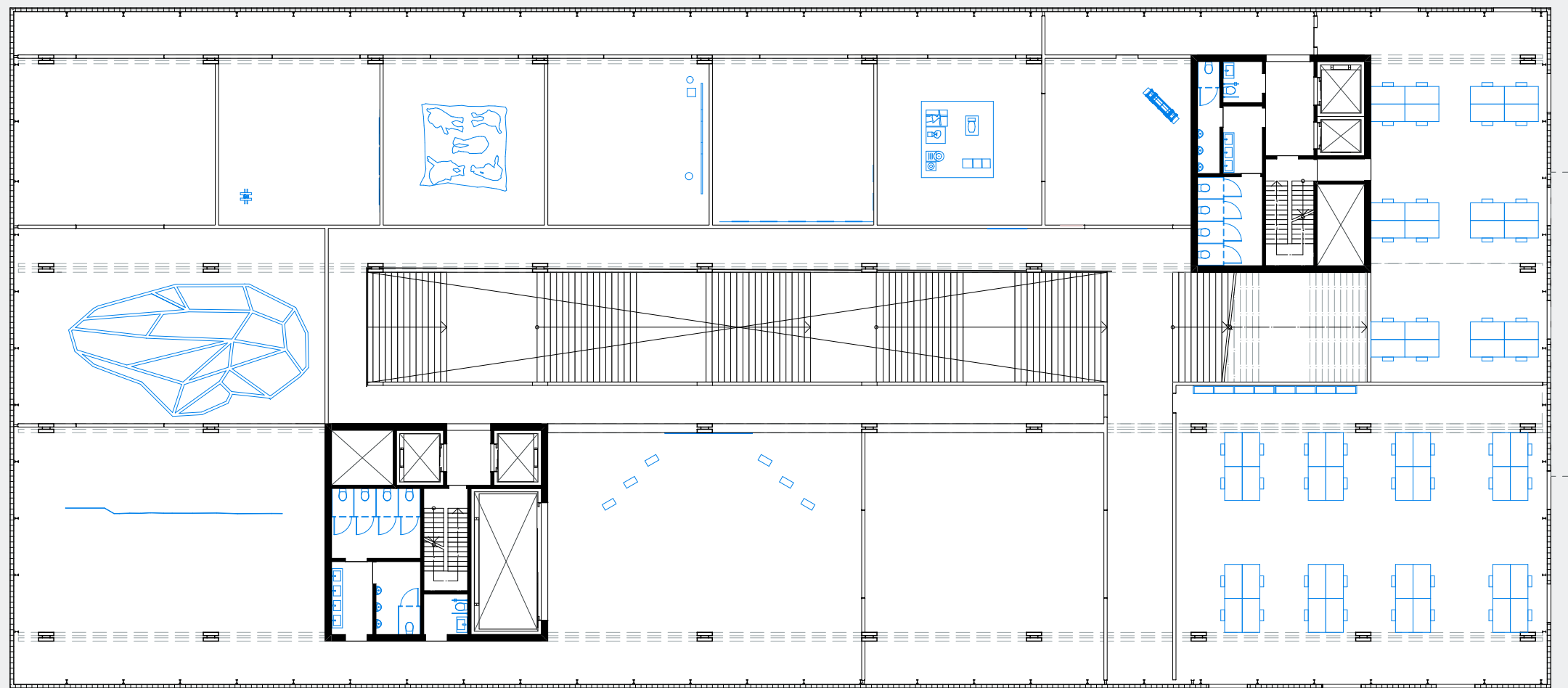
entrance and library of M HKA

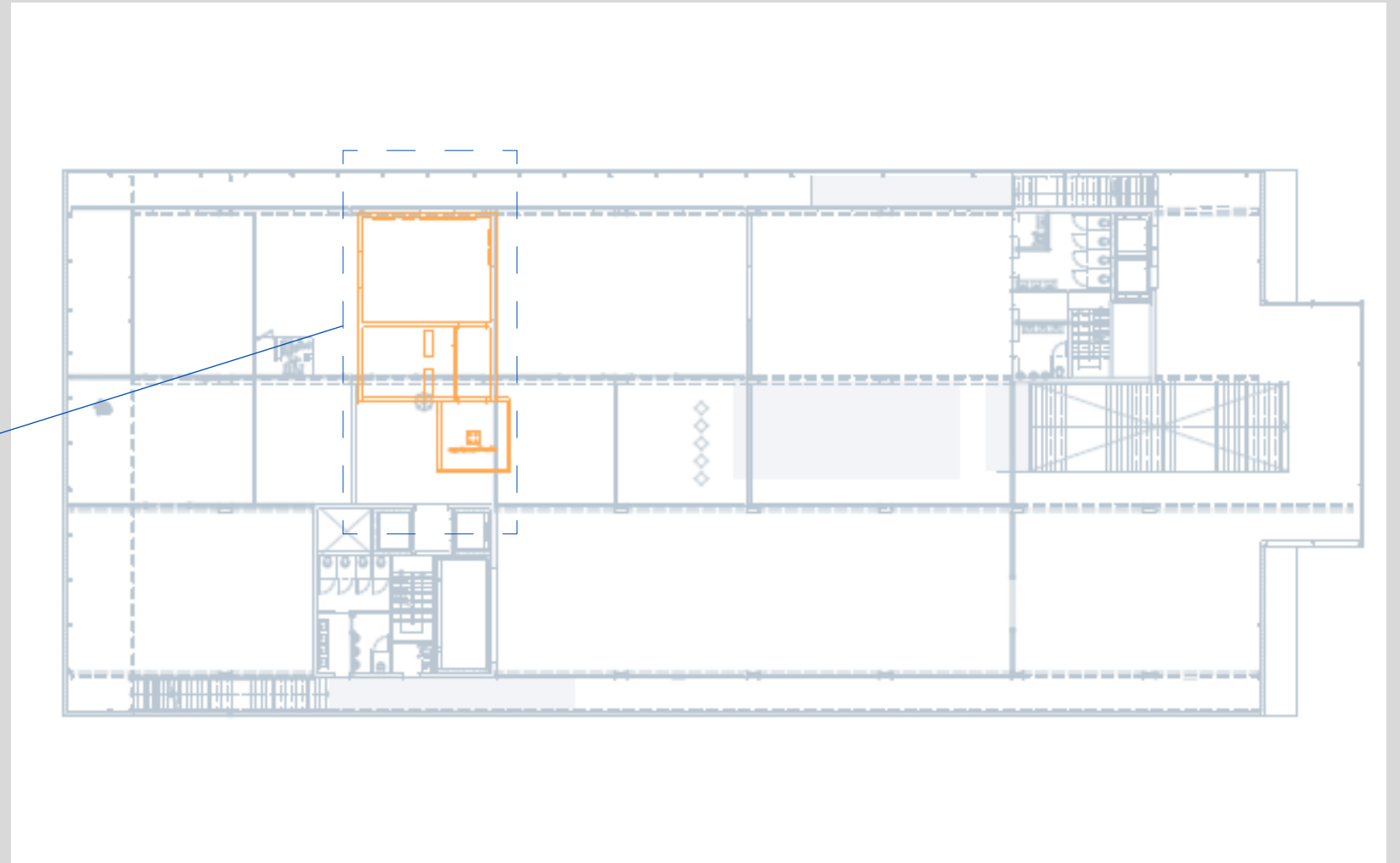
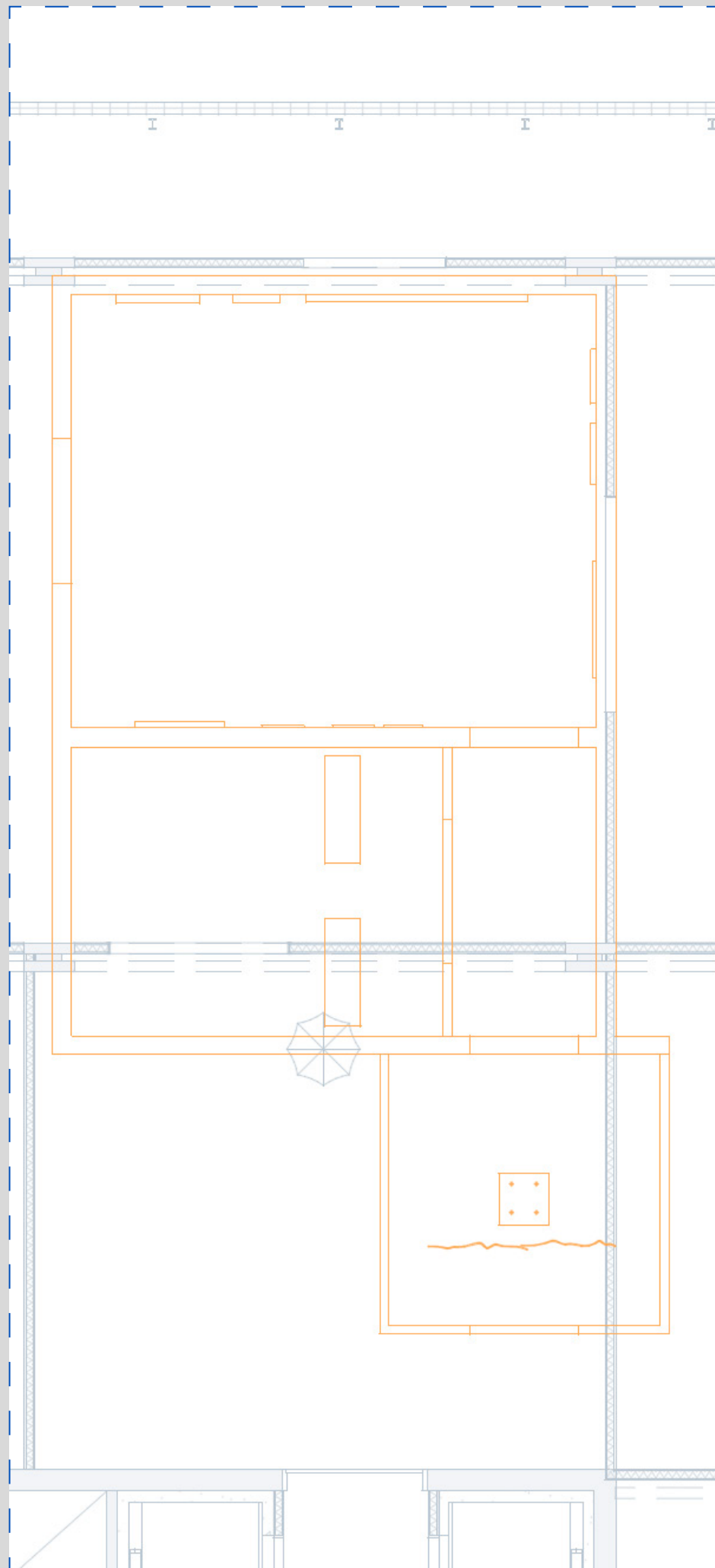


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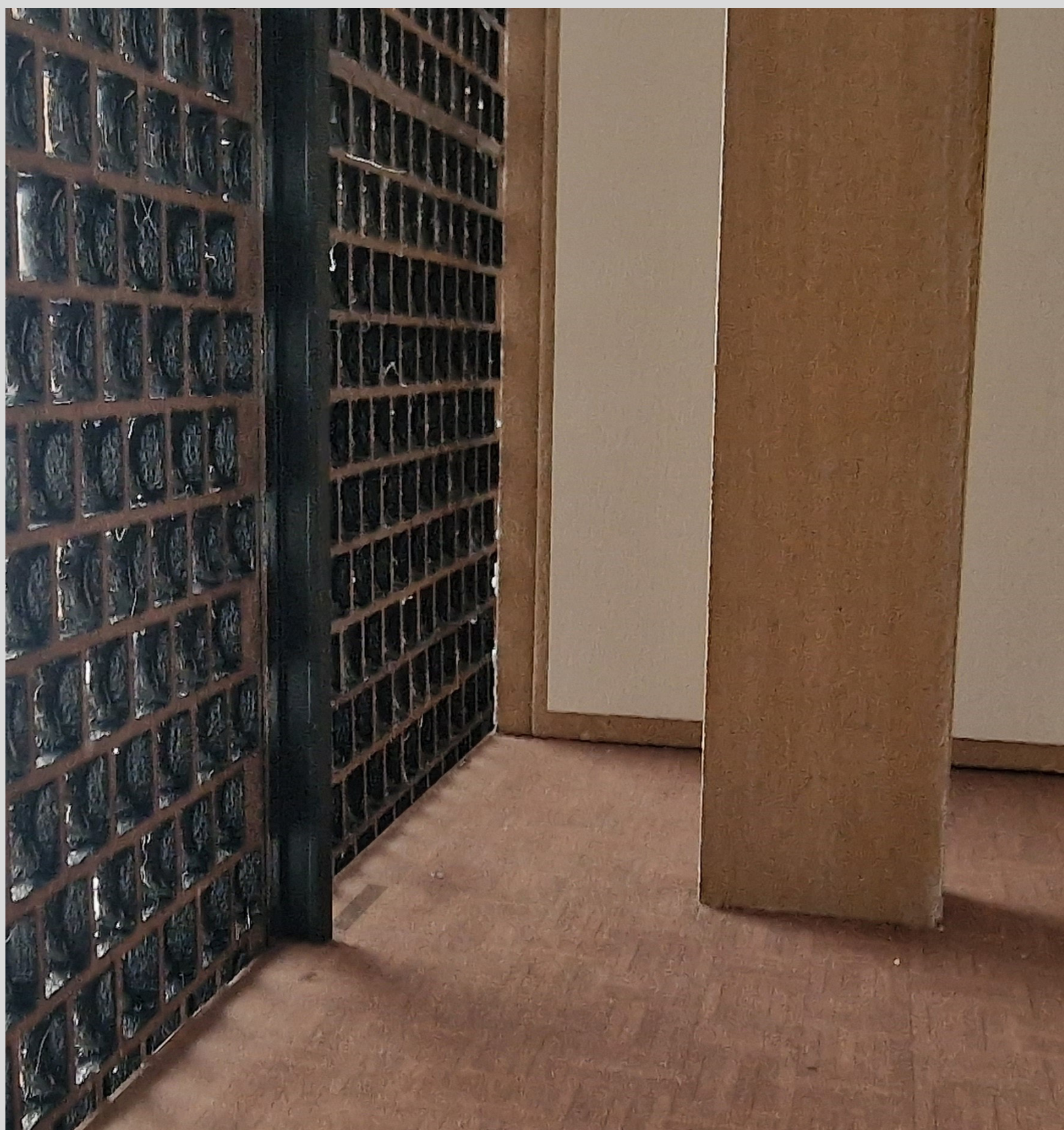
P1 design of a gallery space



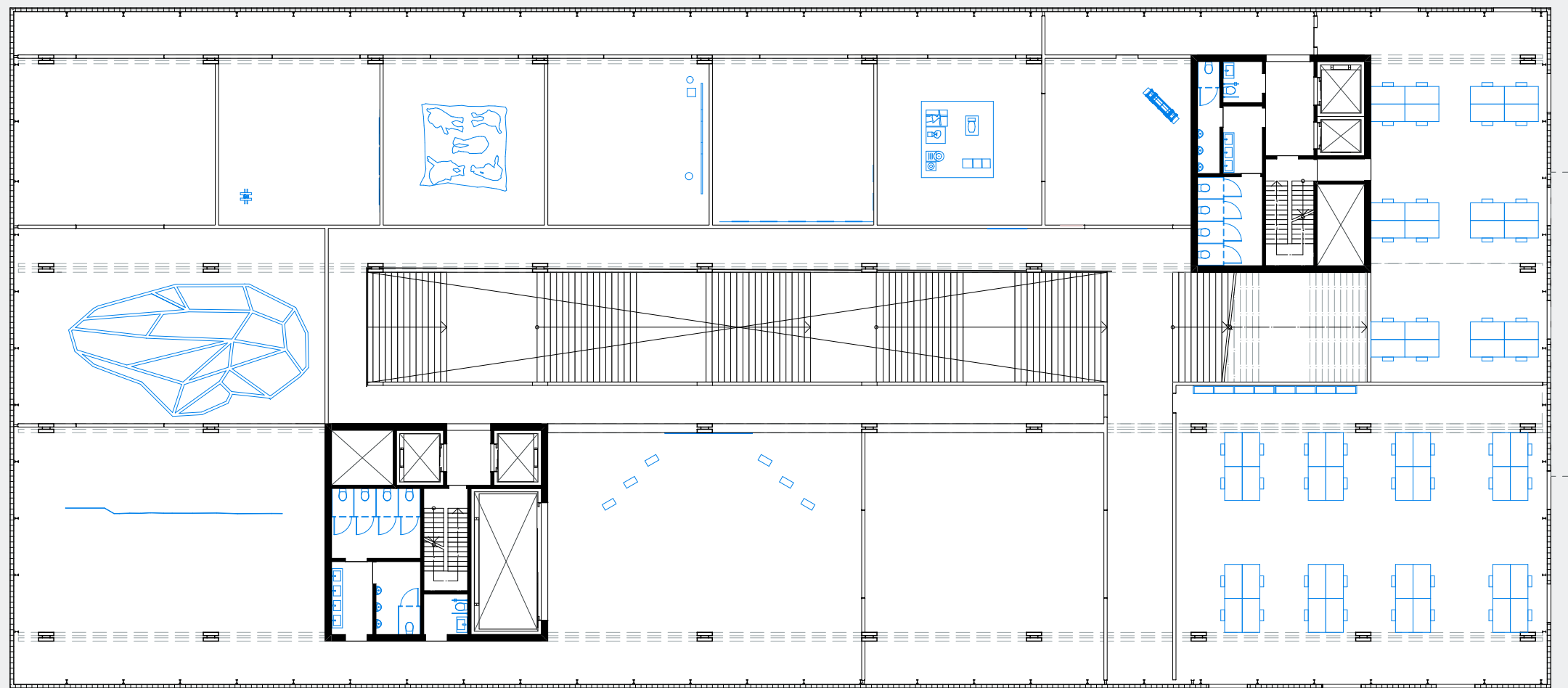


materialisation of the gallery space

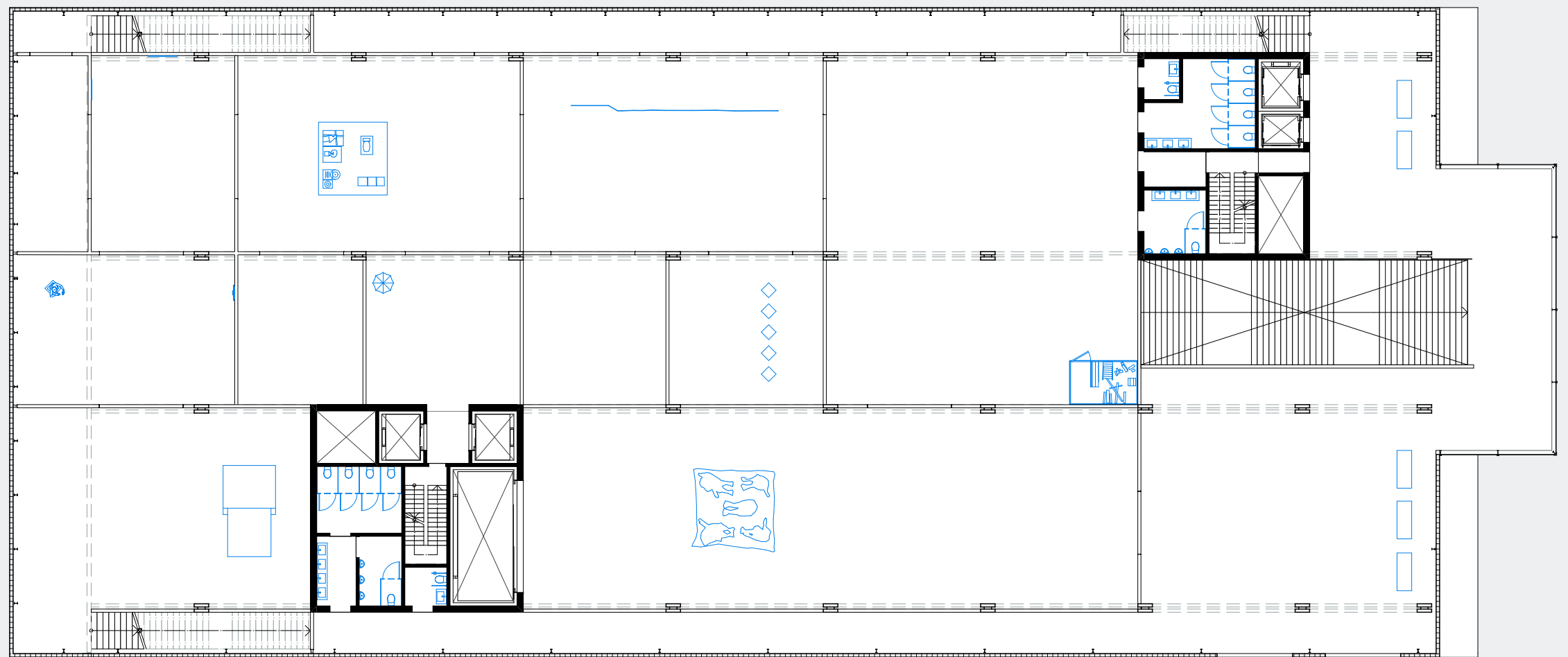




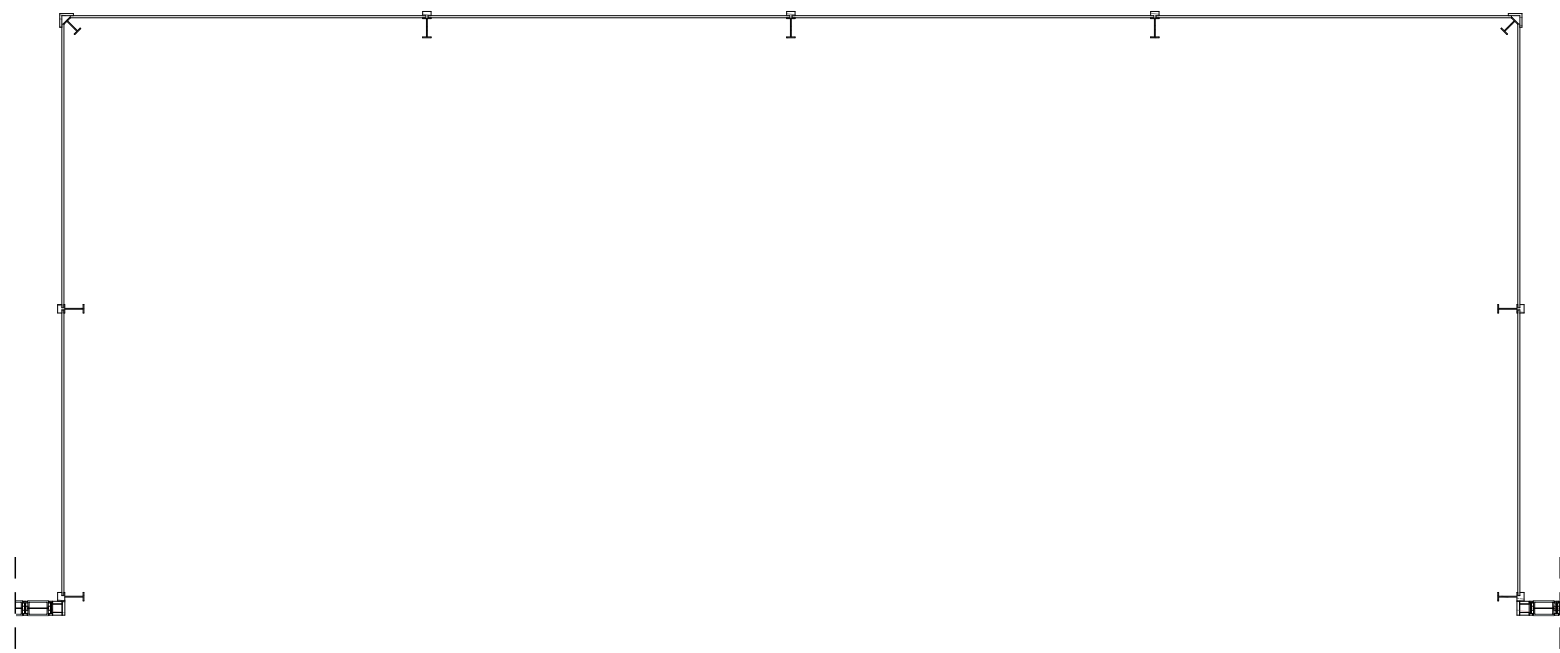
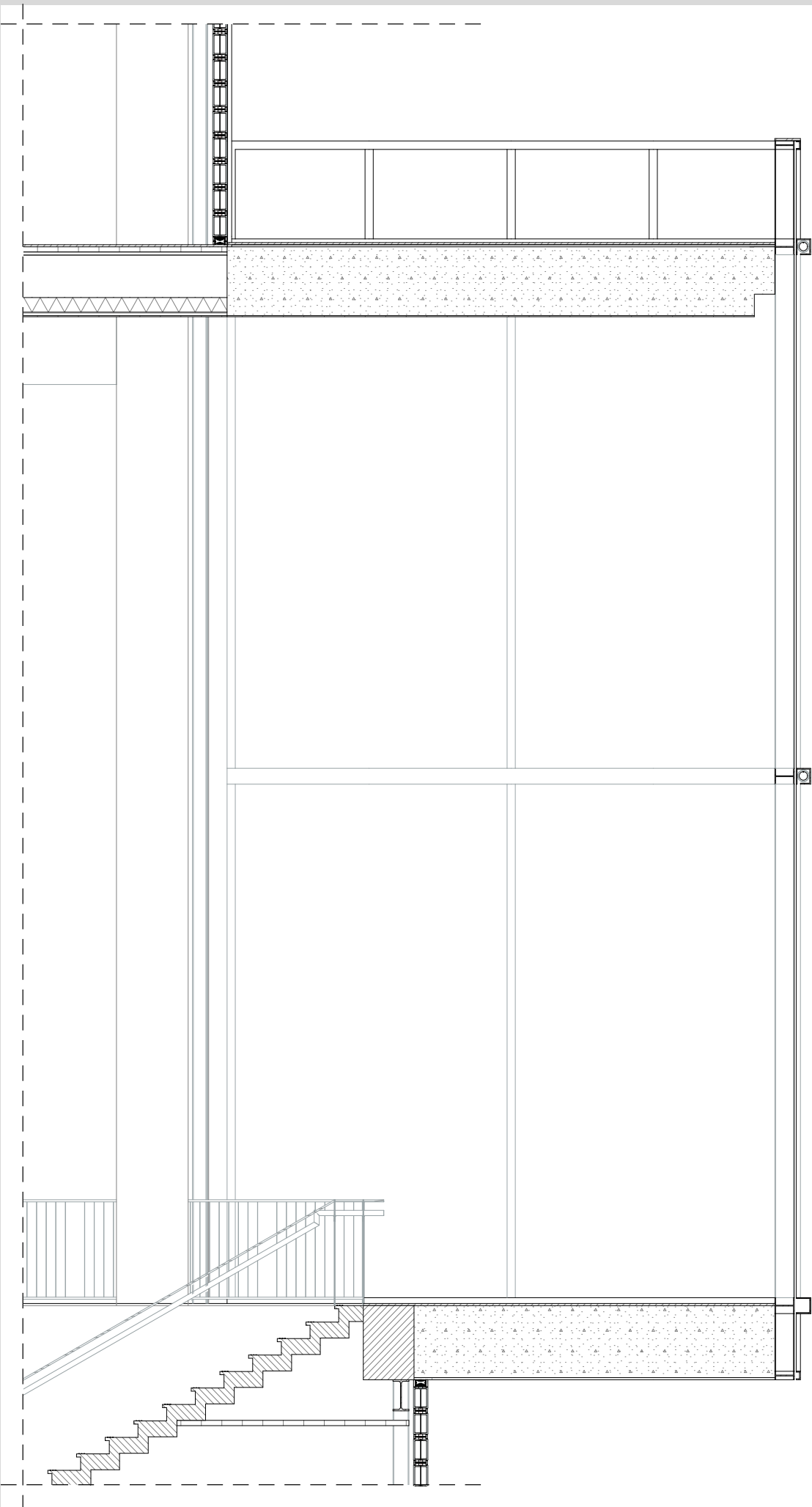
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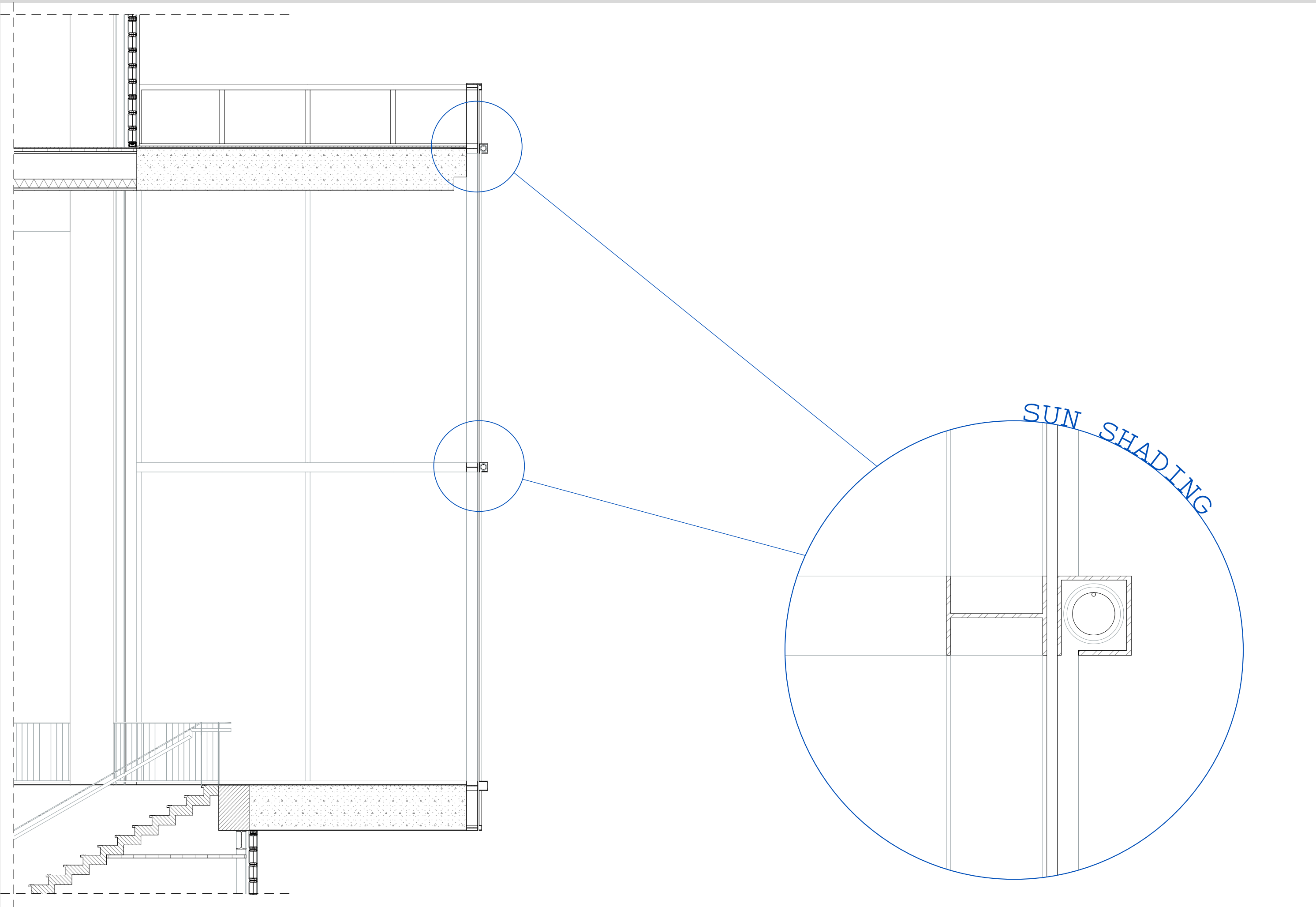


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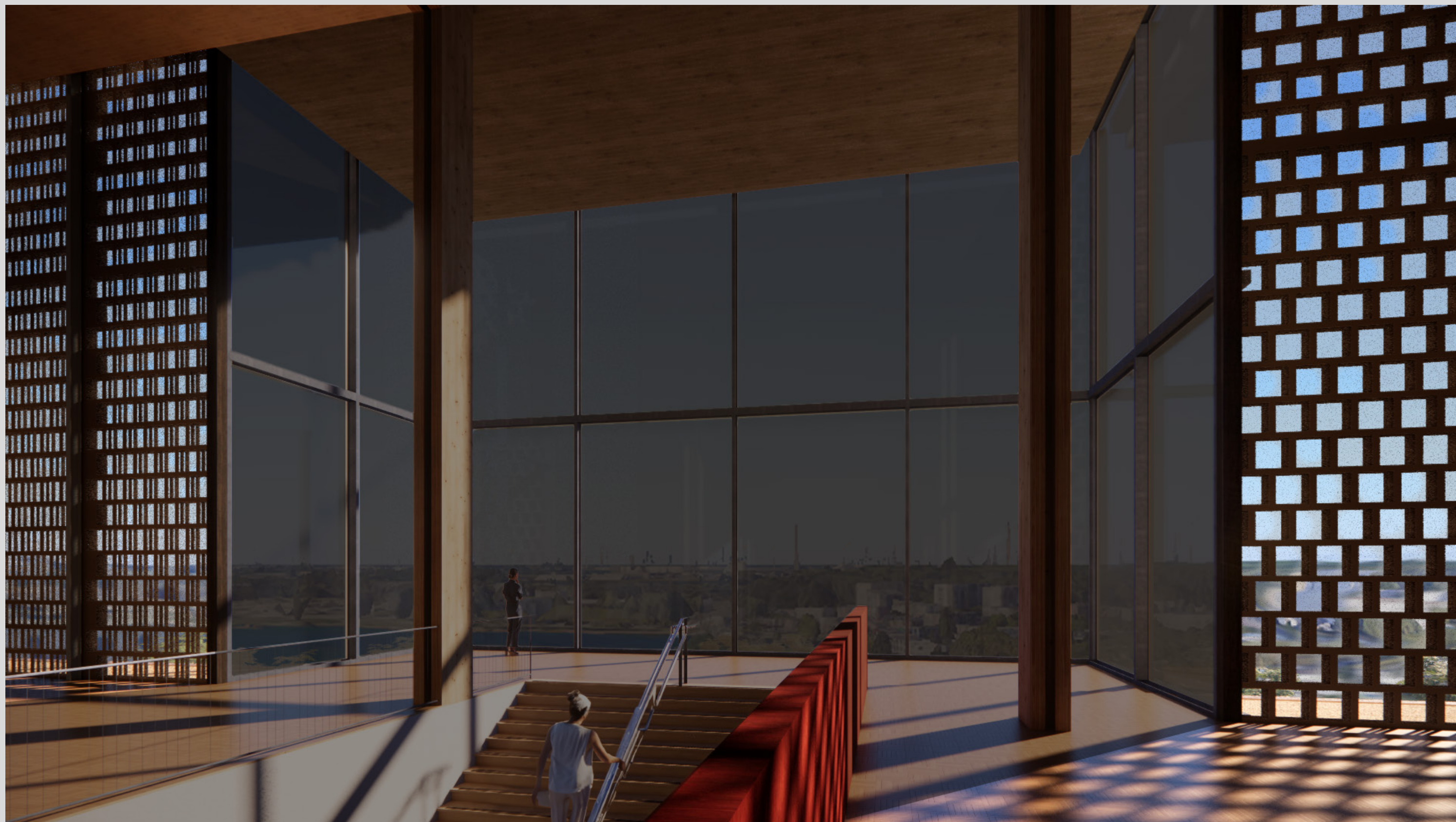






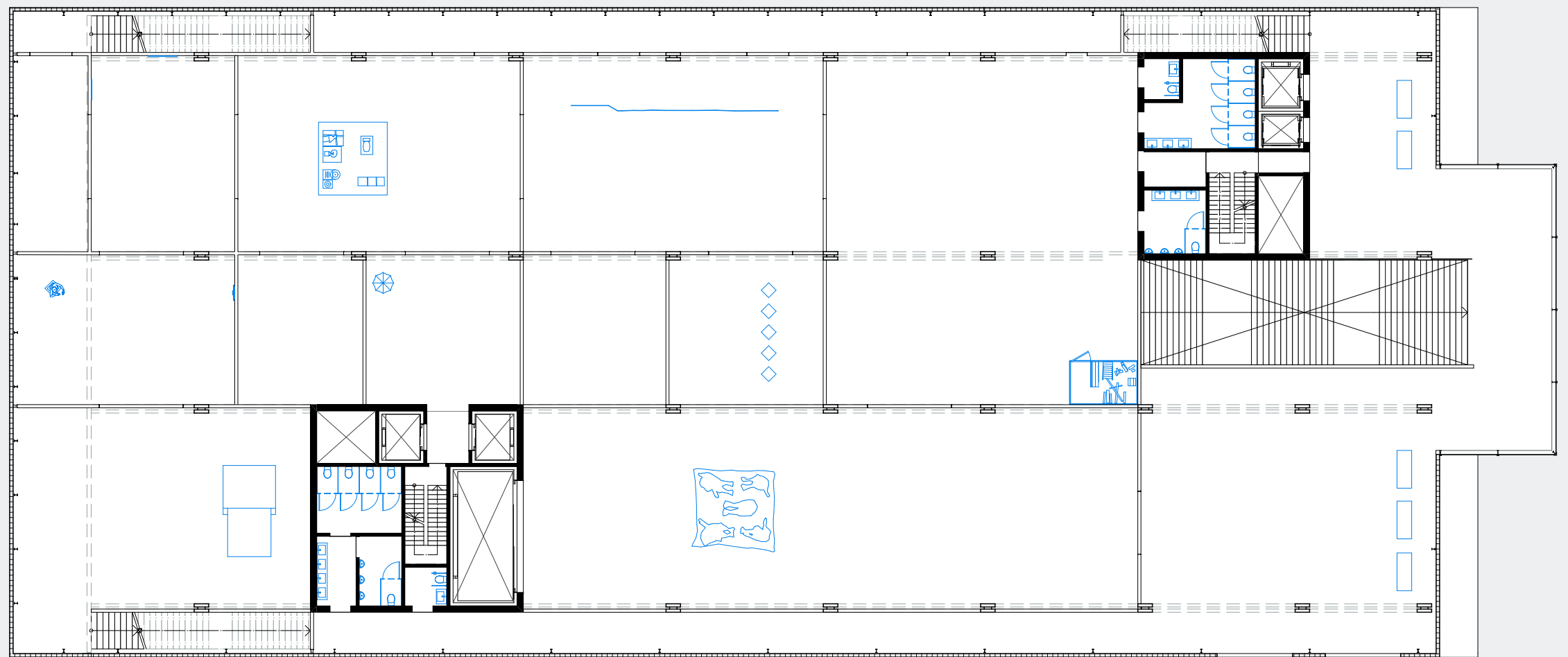


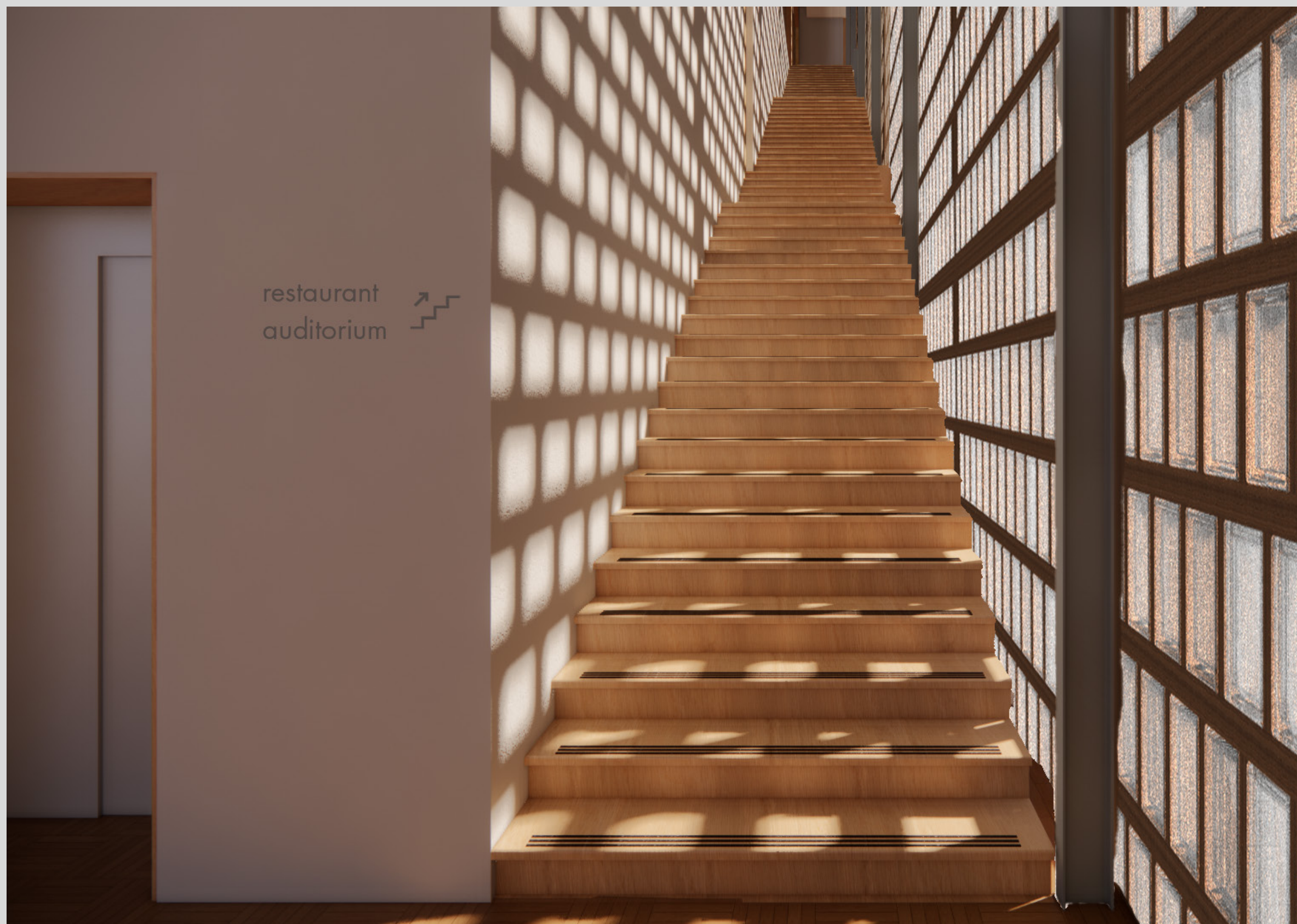






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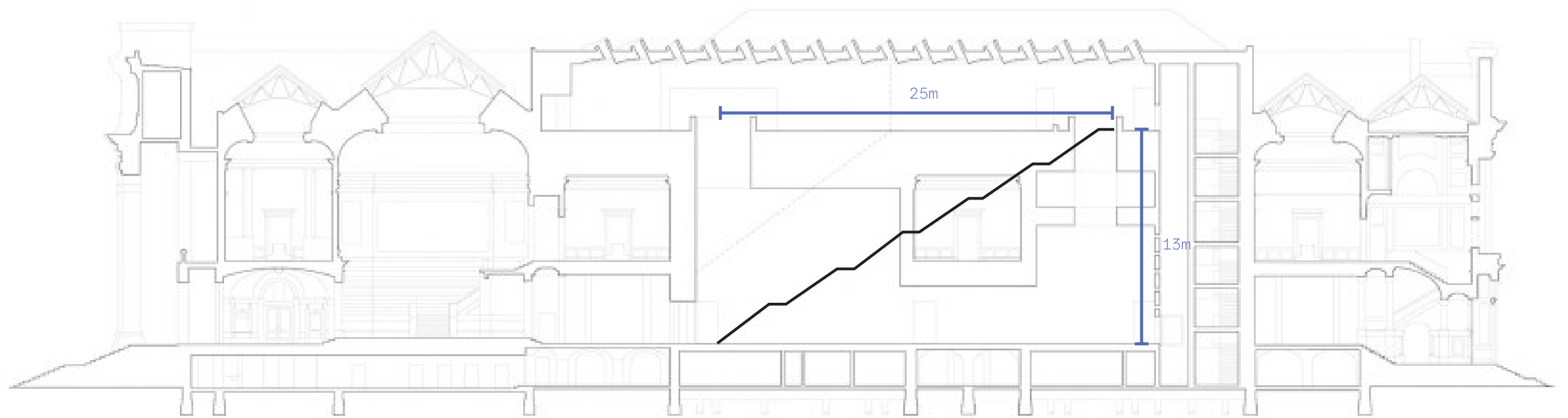




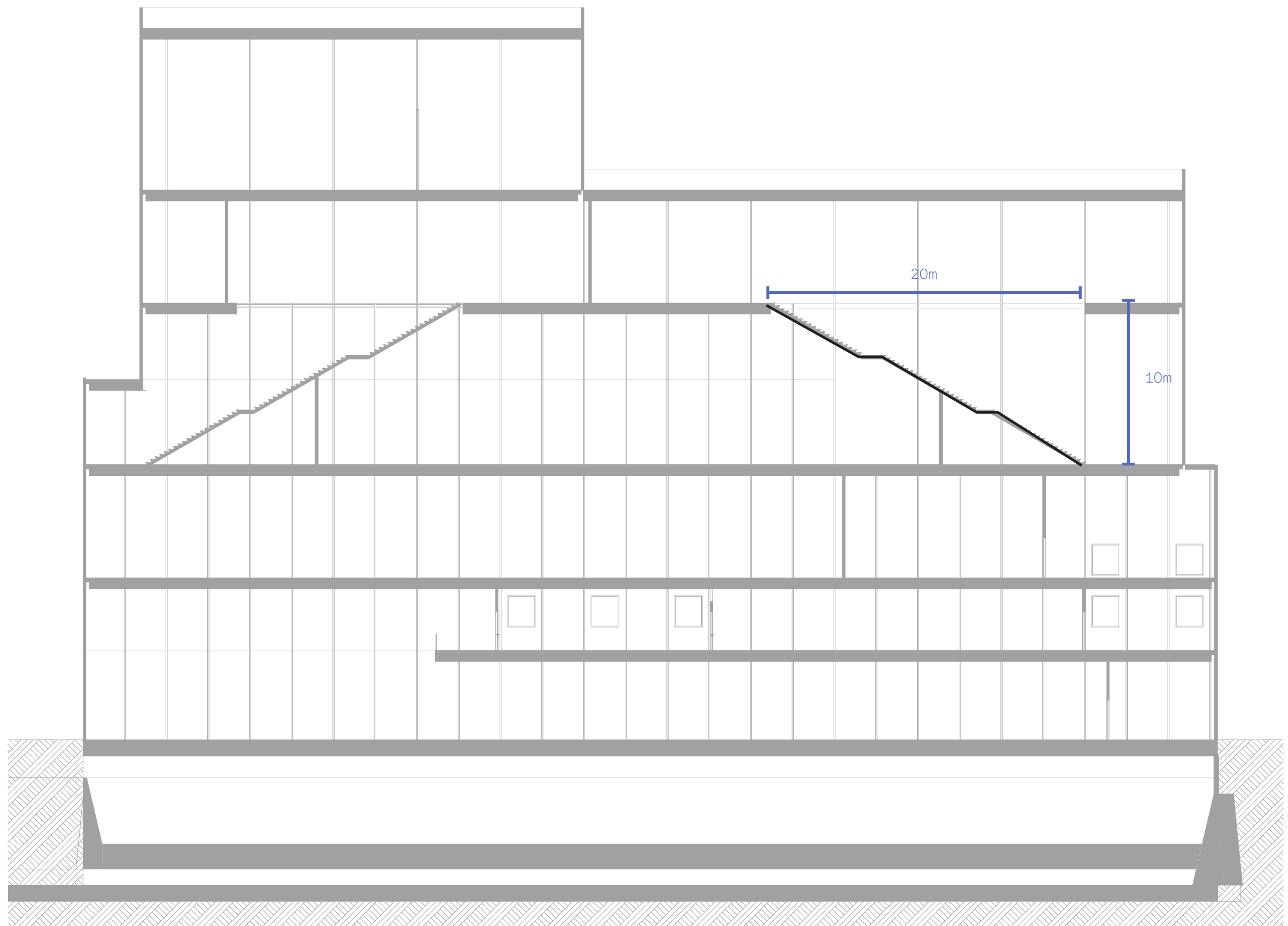


KMSKA stairs



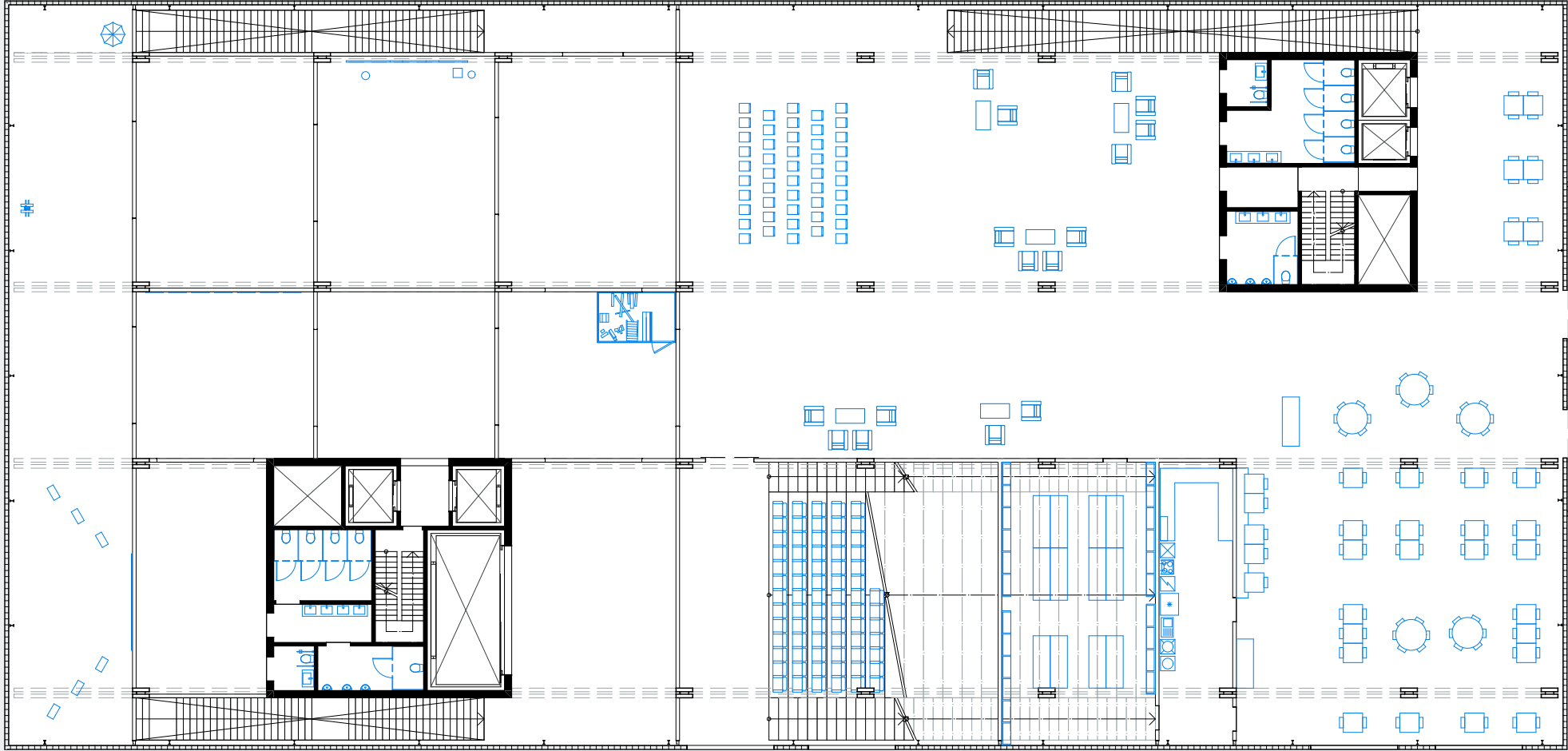


KMSKA section

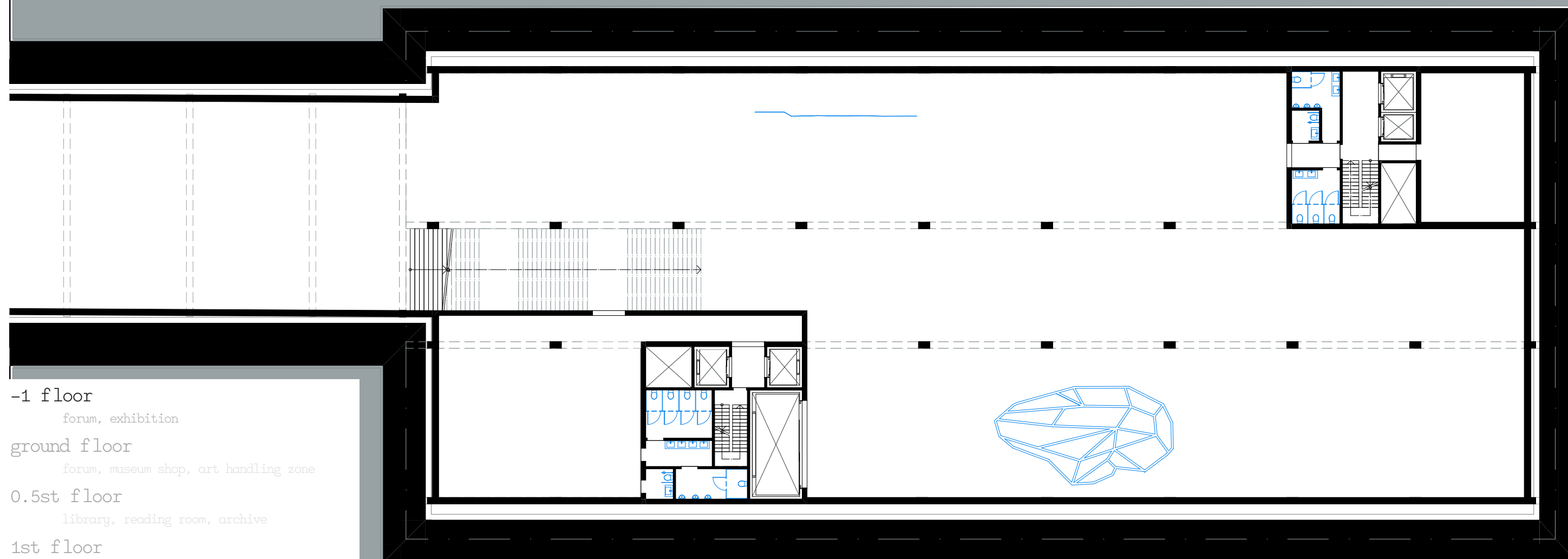


restaurant
auditorium



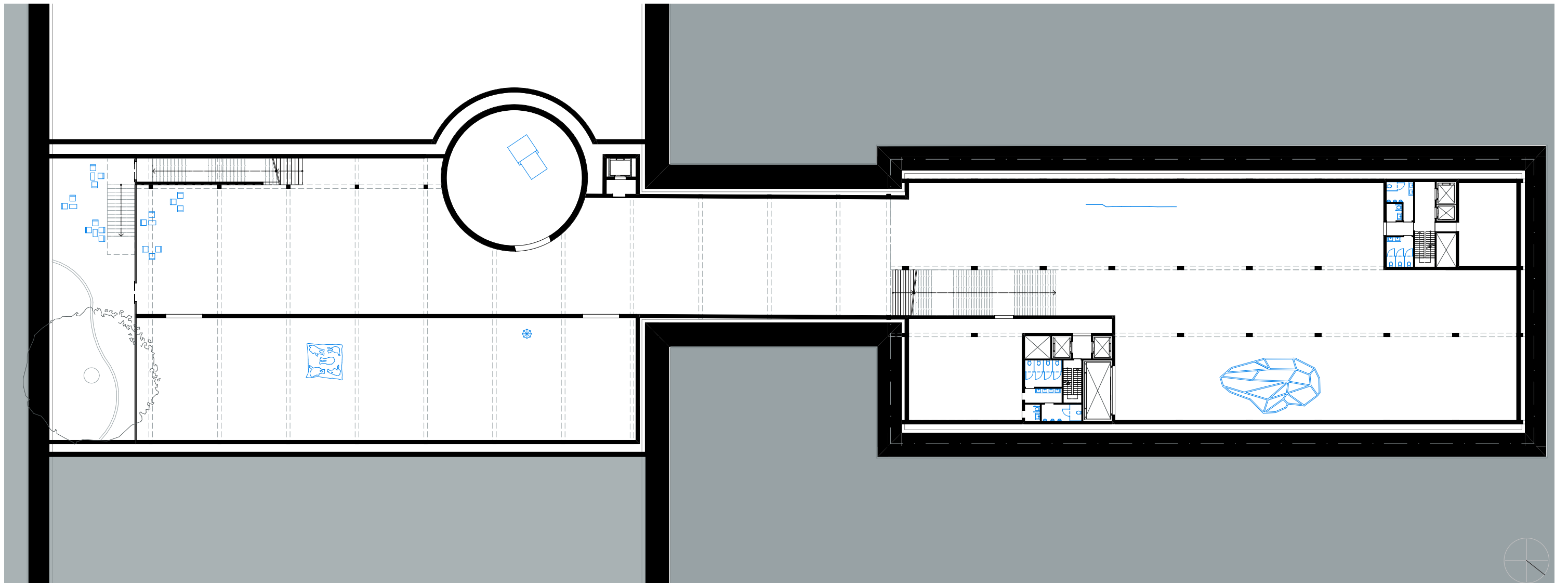


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0.5st floor

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view, collection

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collection, restaurant, forum

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depot, workshops

5th floor

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6th floor

roof terrace, archive depot, refter



dock walls in the new parking garage further south



the lock and part of the docks in ca. 1920



lock space impression

EVALUATIE INPLANTINGSPLAN



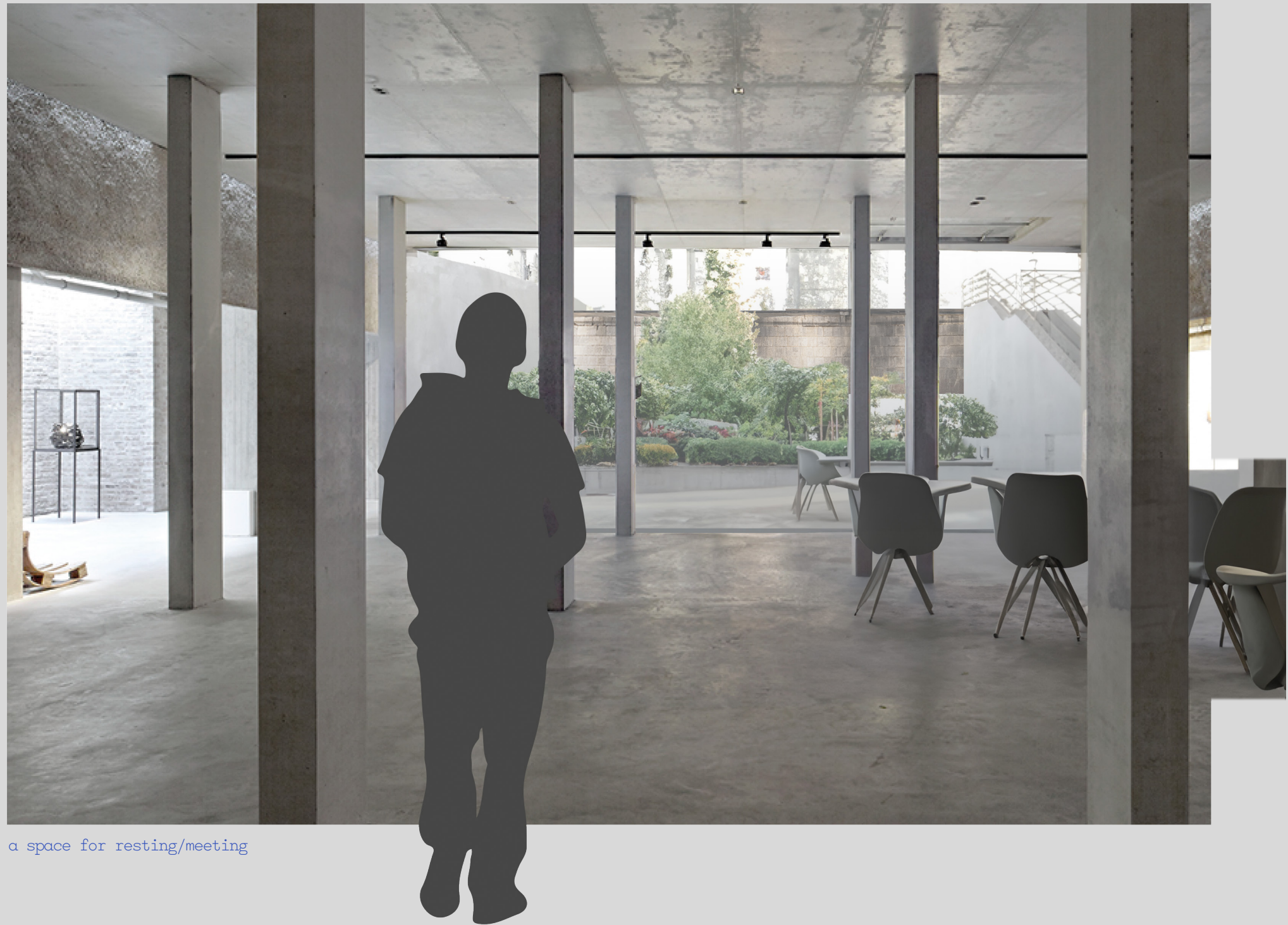
14

events in the park



* event + opbouw en afbouw
? event + opbouw en afbouw

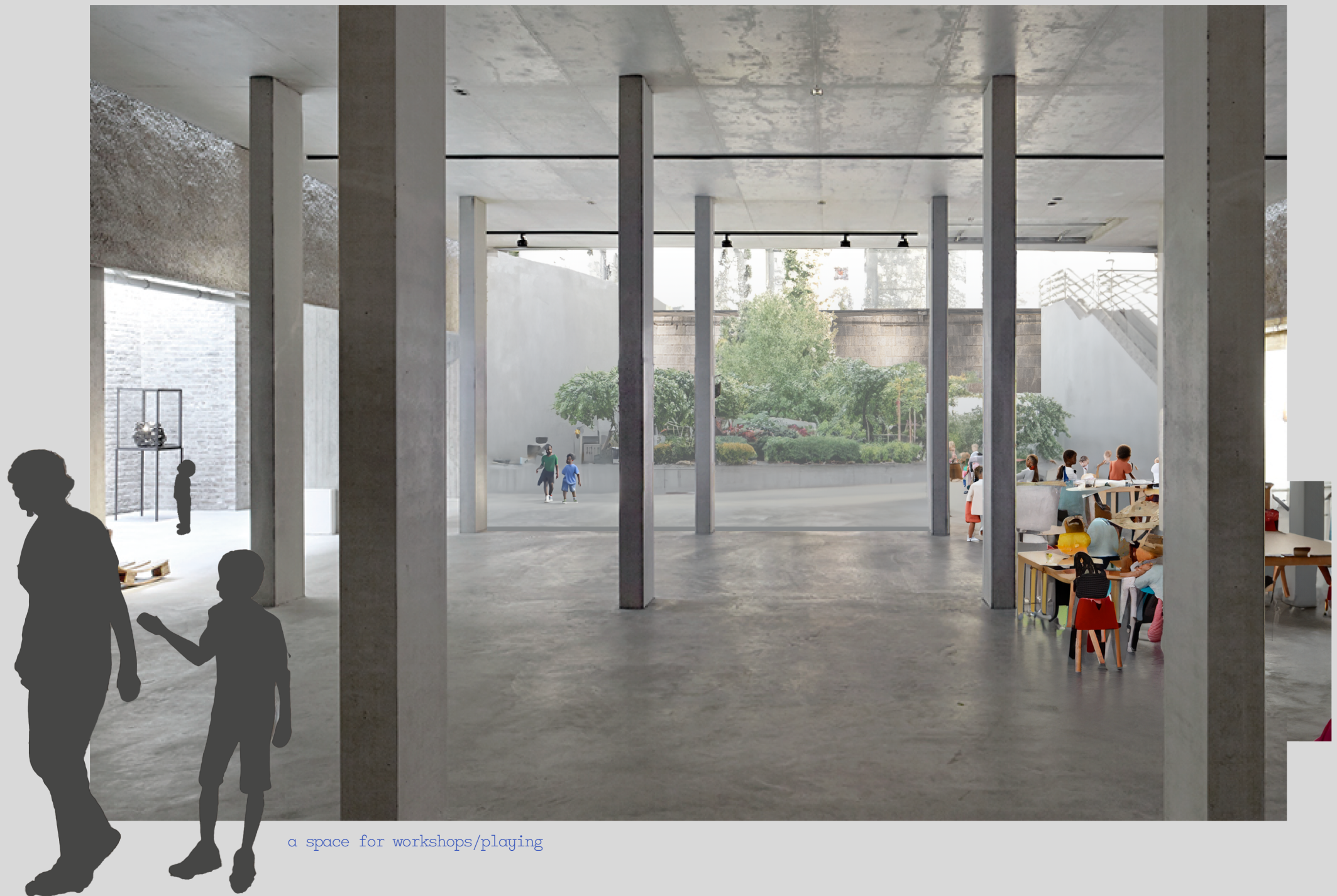
15



a space for resting/meeting



a space for lectures



a space for workshops/playing



a space for nightlife

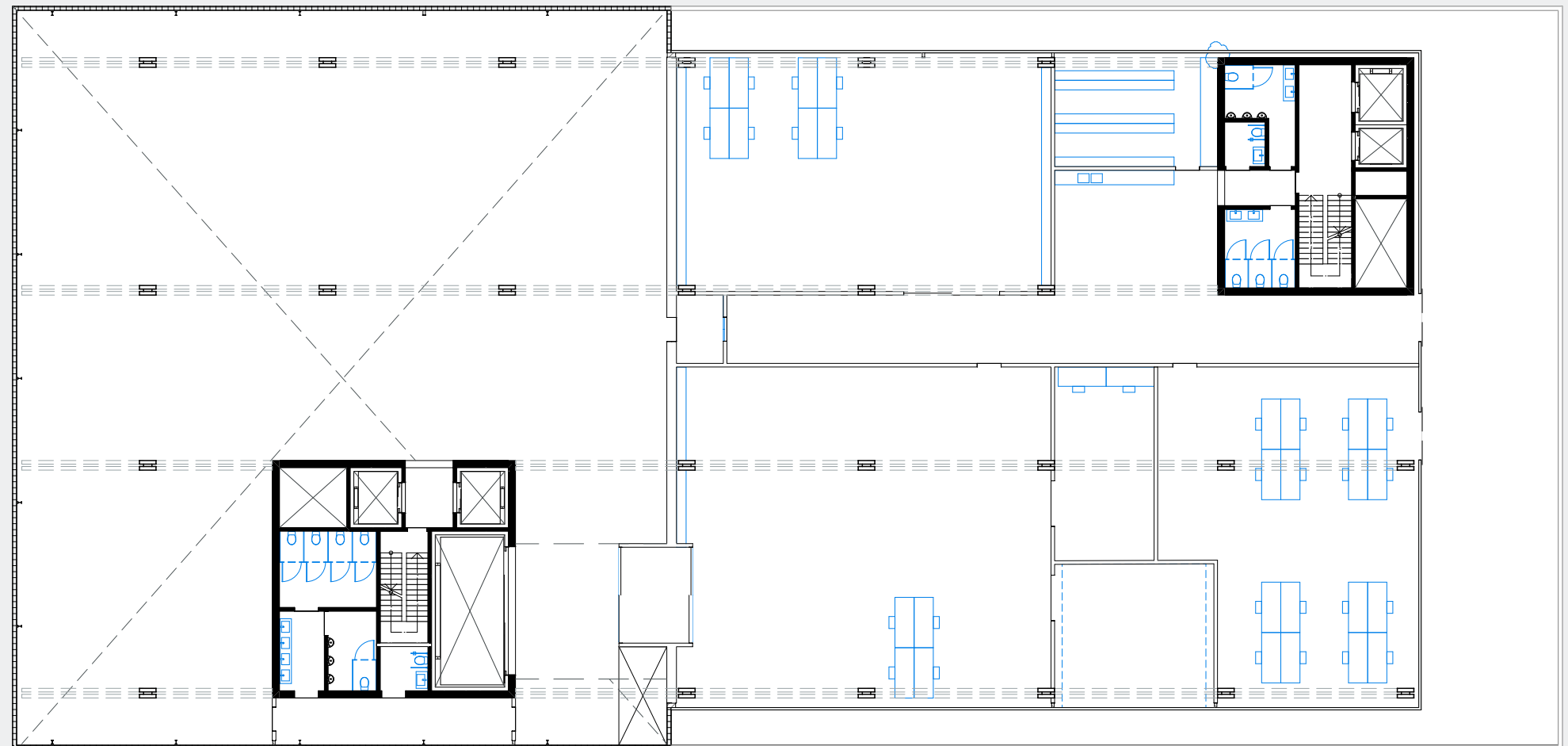


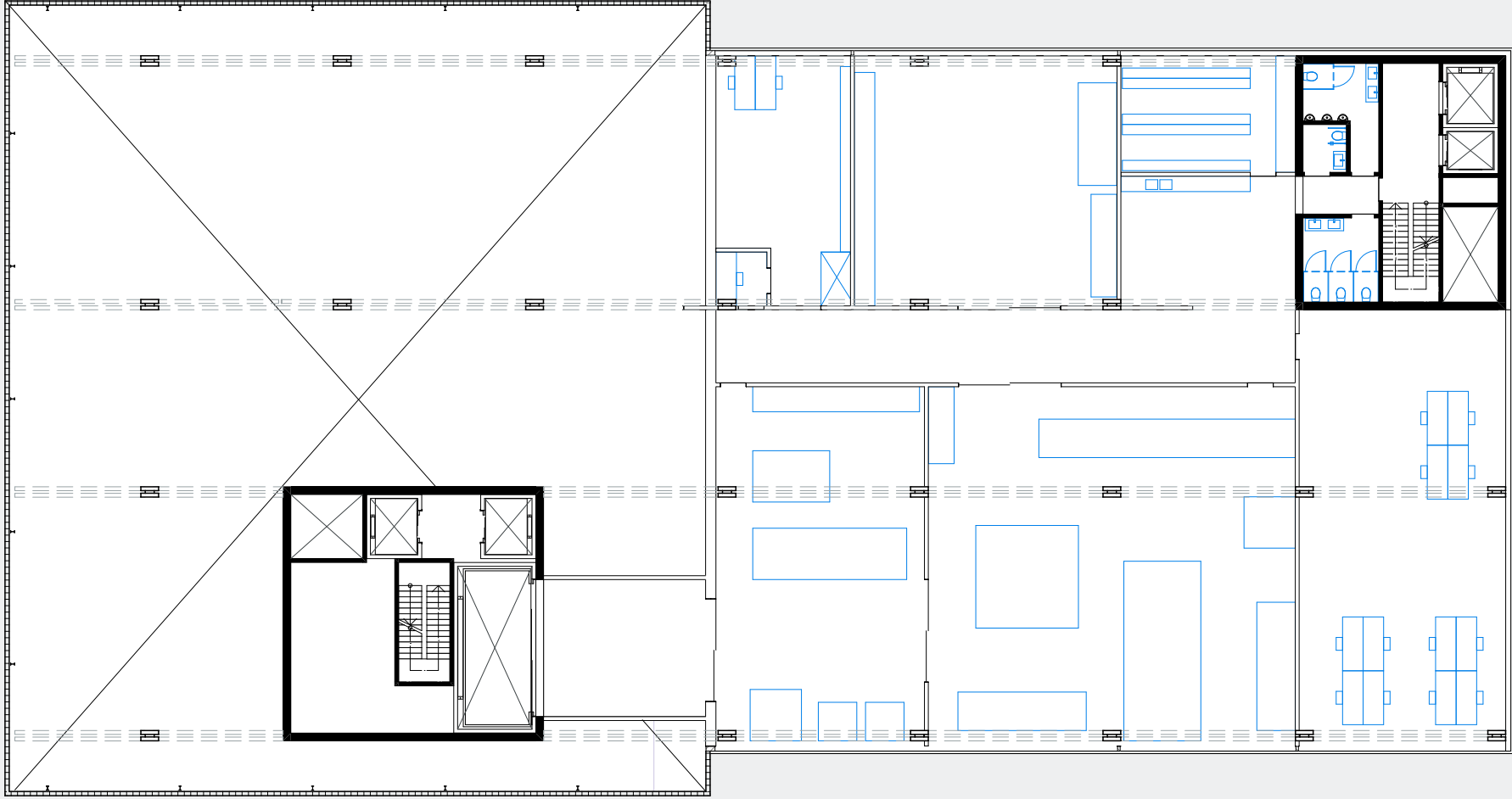




- 1 floor
forum, exhibition
- ground floor
forum, museum shop, art handling zone
- 0.5st floor
library, reading room, archive
- 1st floor
collection, offices
- 2nd floor
view, collection
- 3th floor
collection, restaurant, forum
- 4th floor
depot, workshops
- 5th floor
offices, work studio
- 6th floor
roof terrace, archive depot, refter

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4th floor

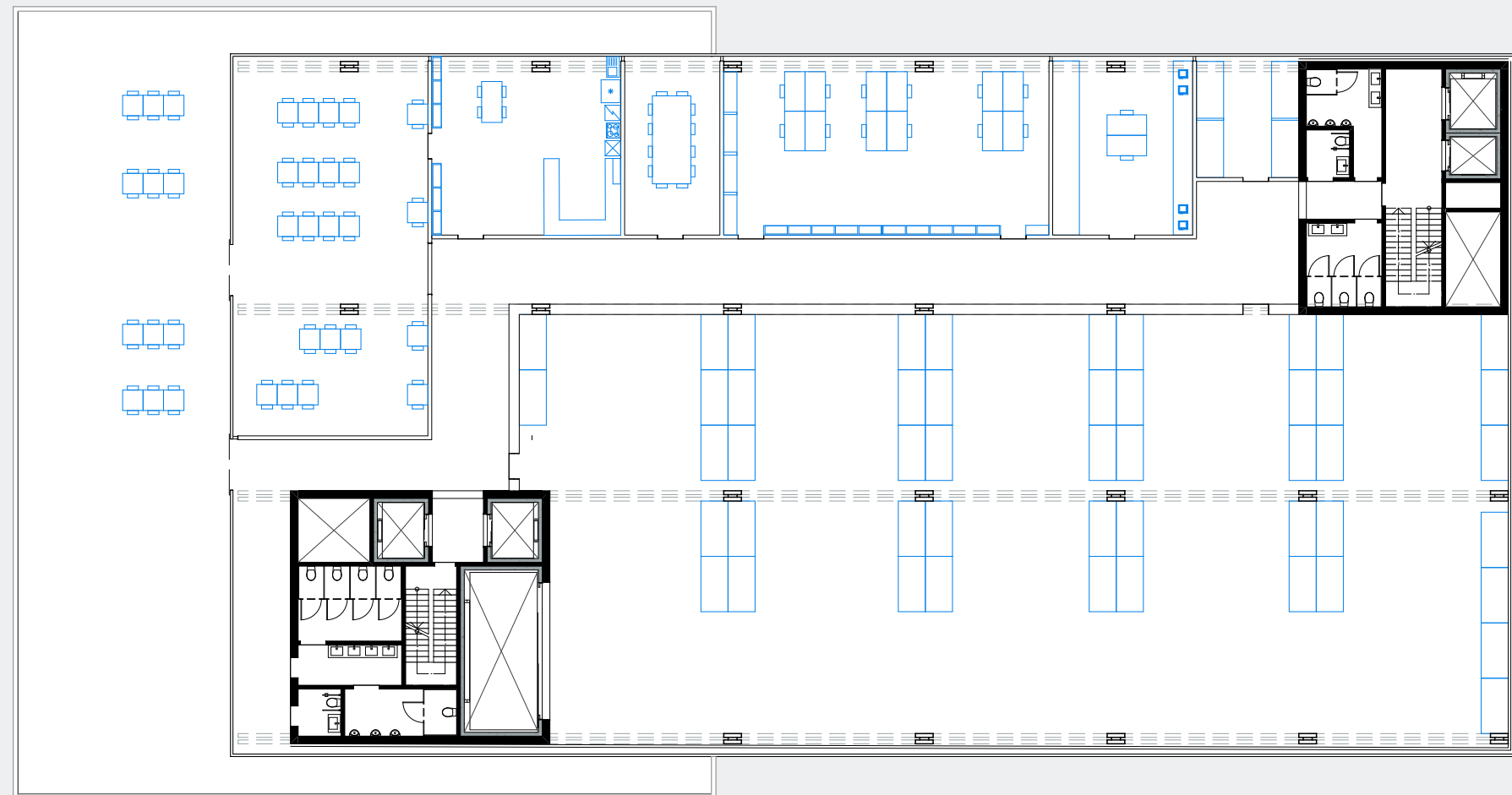
depot, workshops

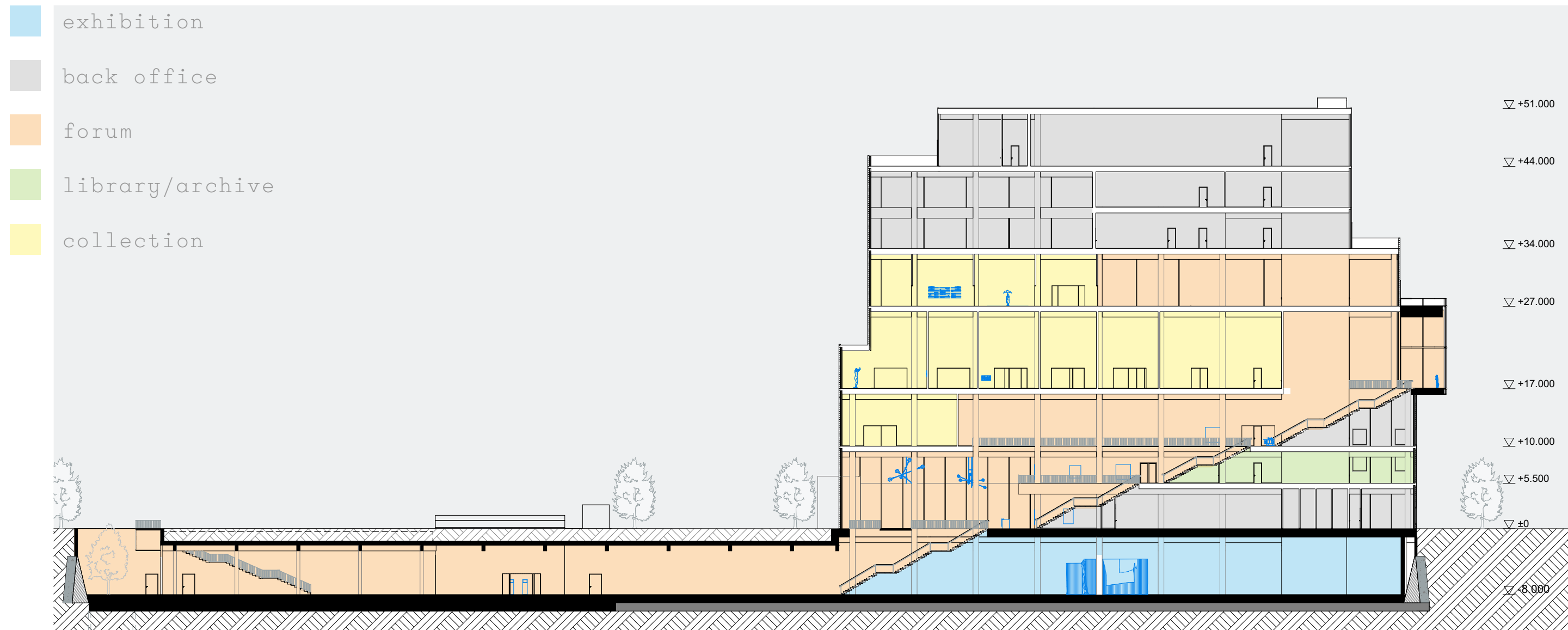
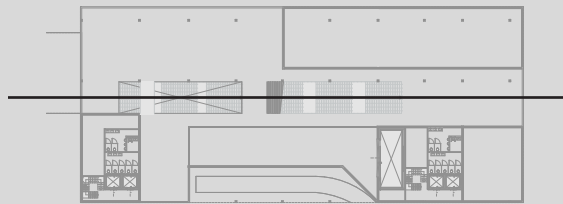
5th floor

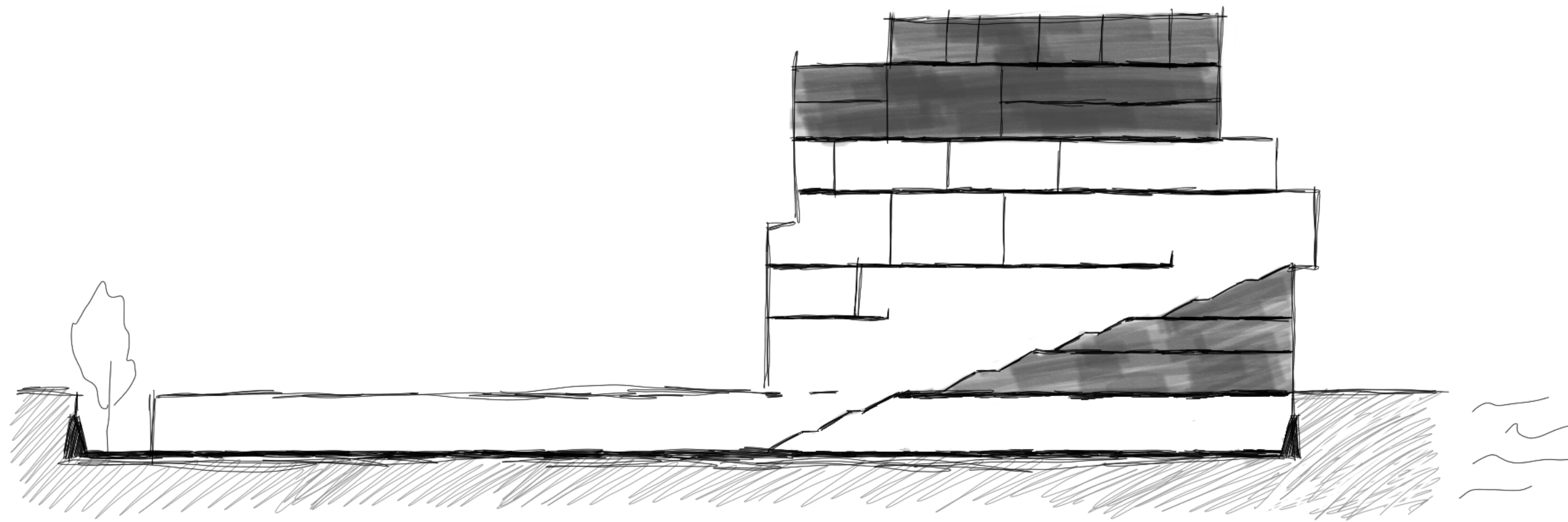
offices, work studio

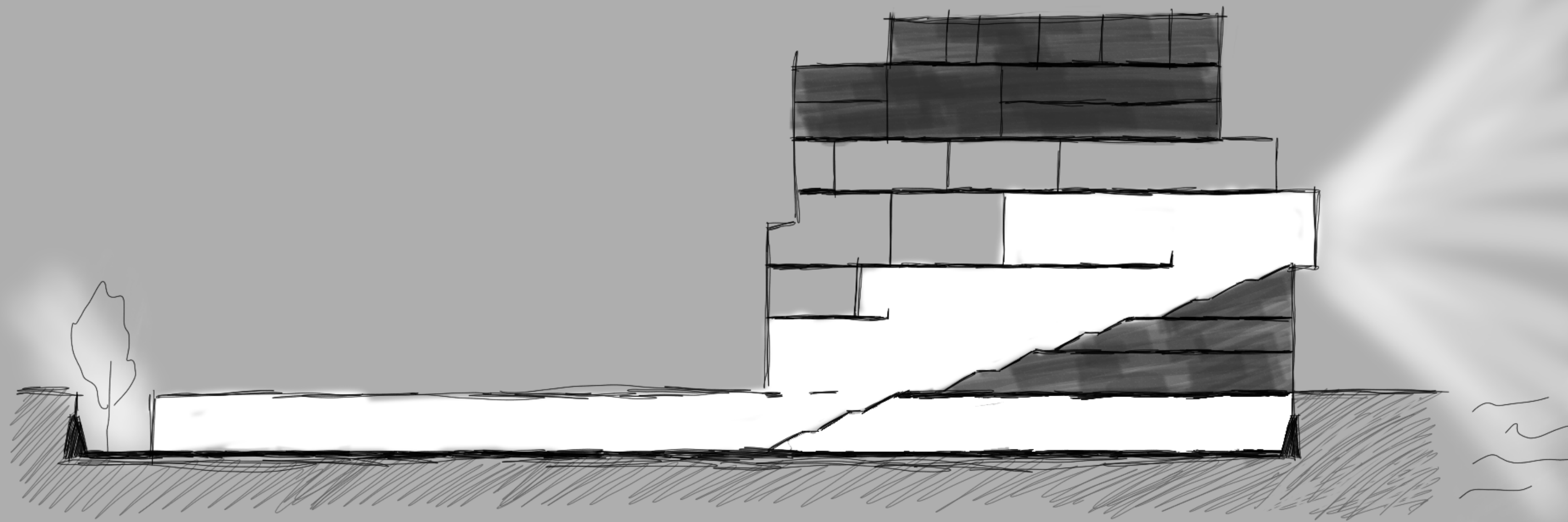
6th floor

roof terrace, archive depot, refter

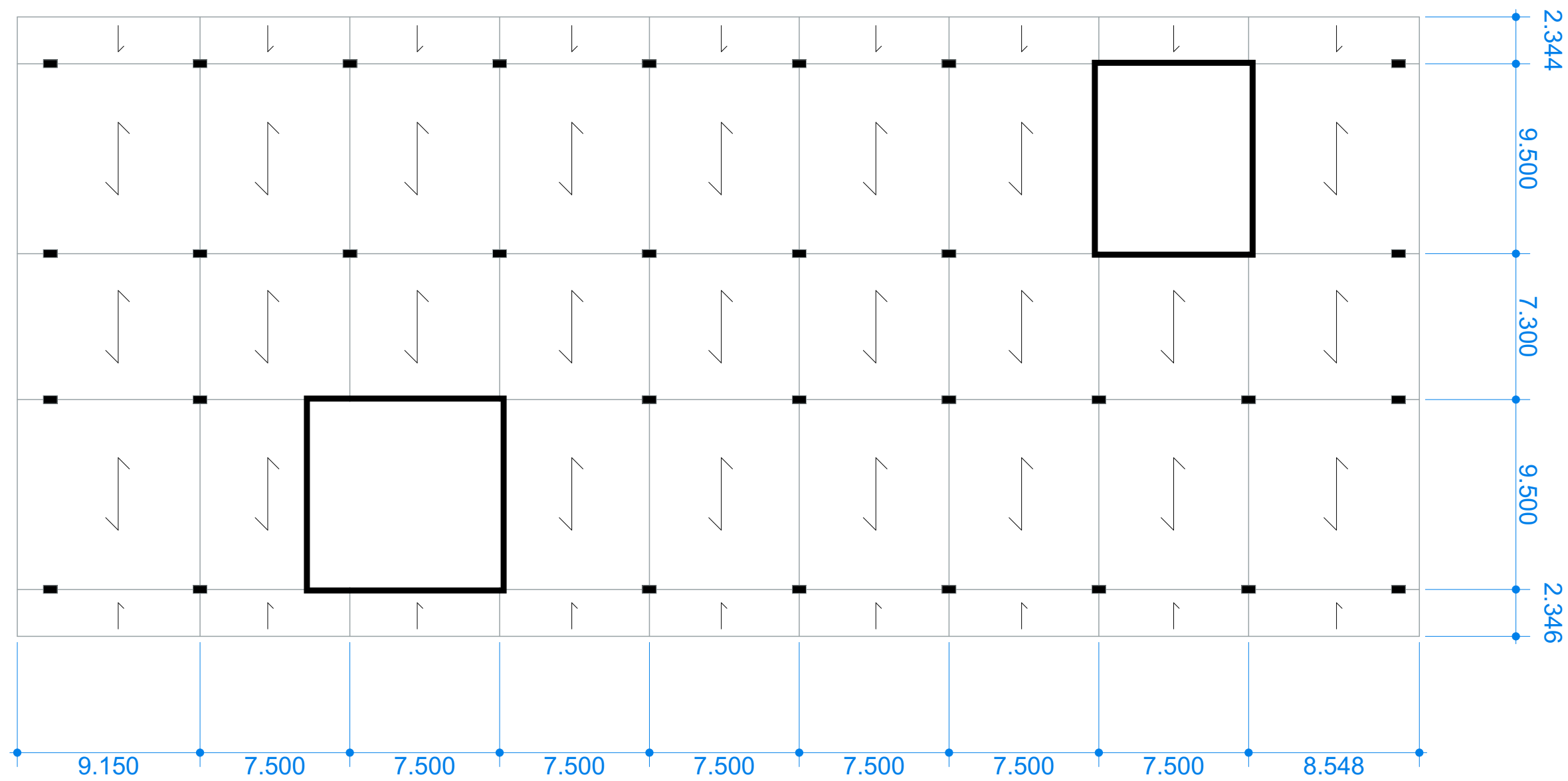


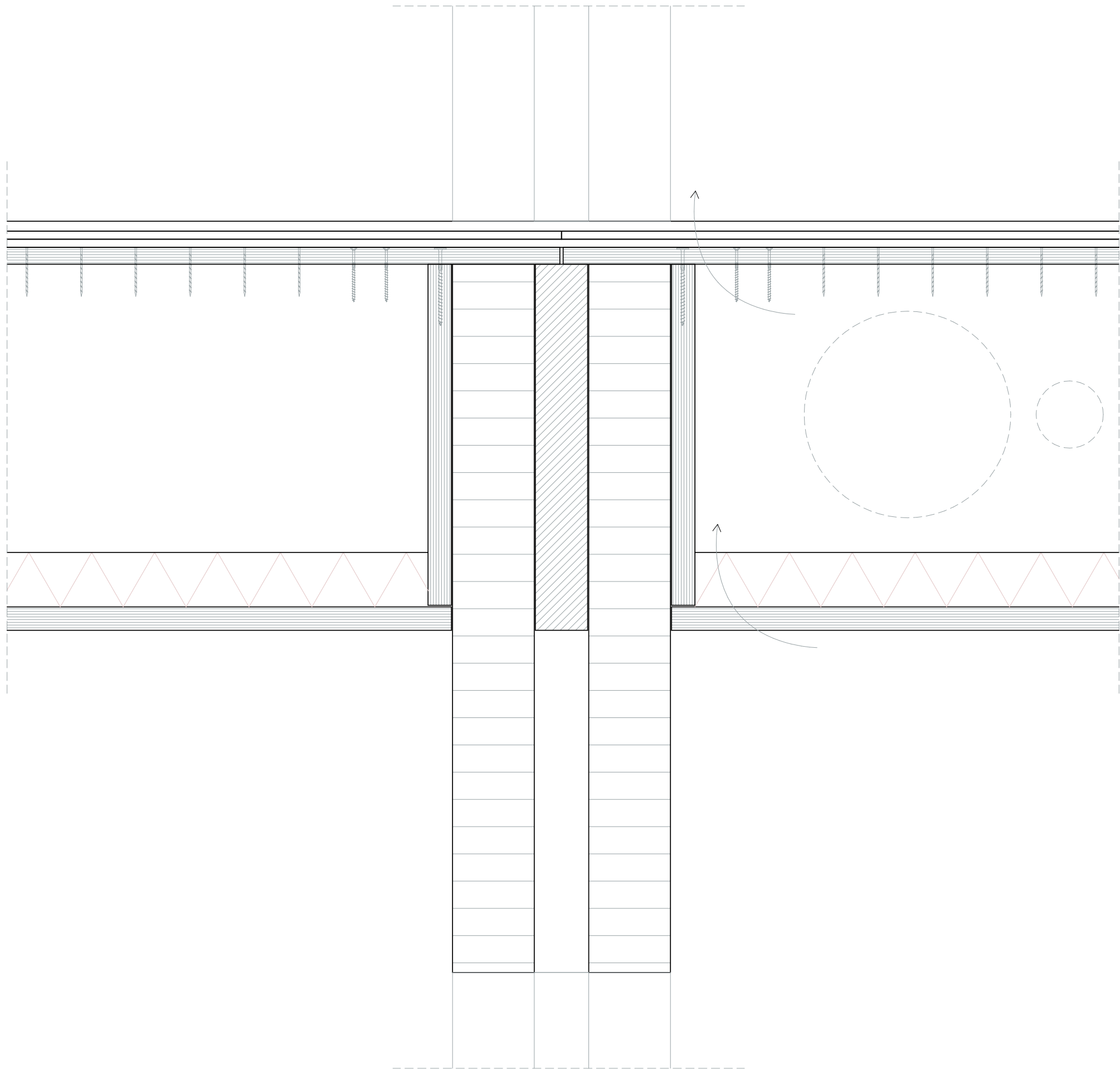


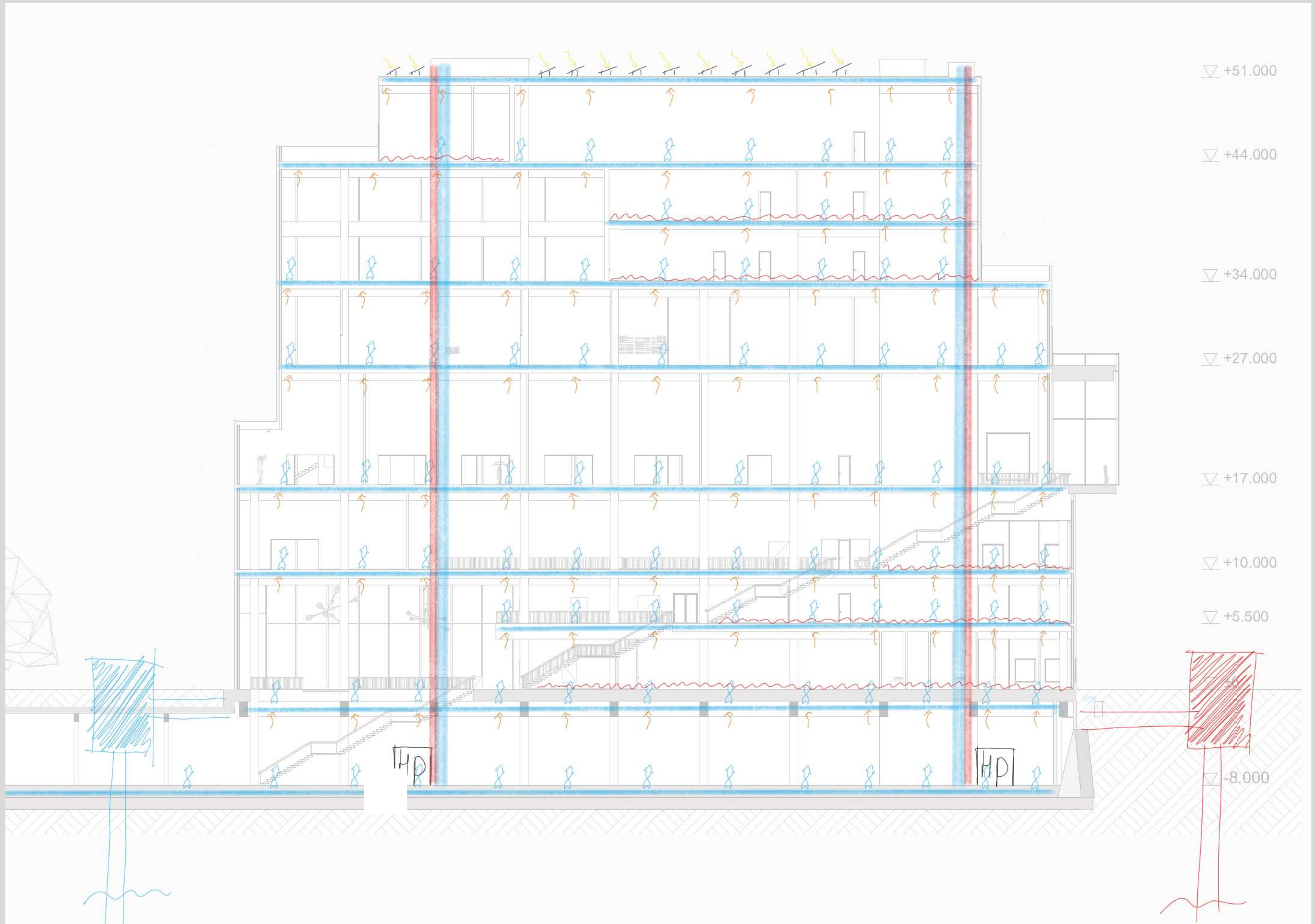












▽ +51.000

▽ +44.000

▽ +34.000

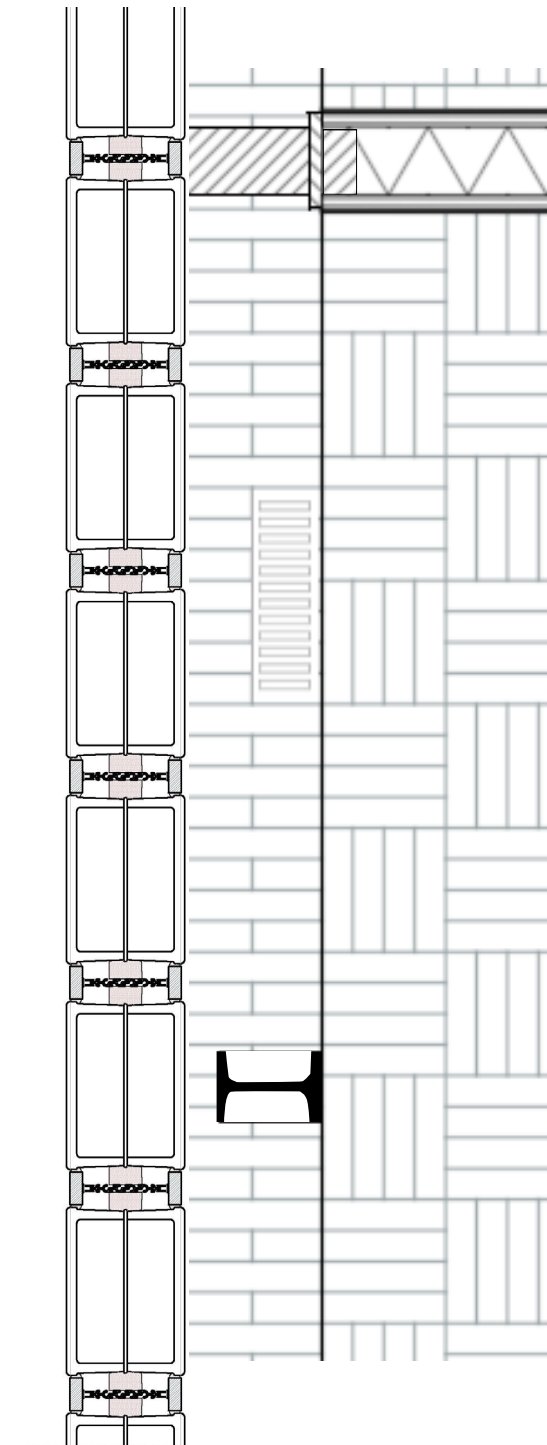
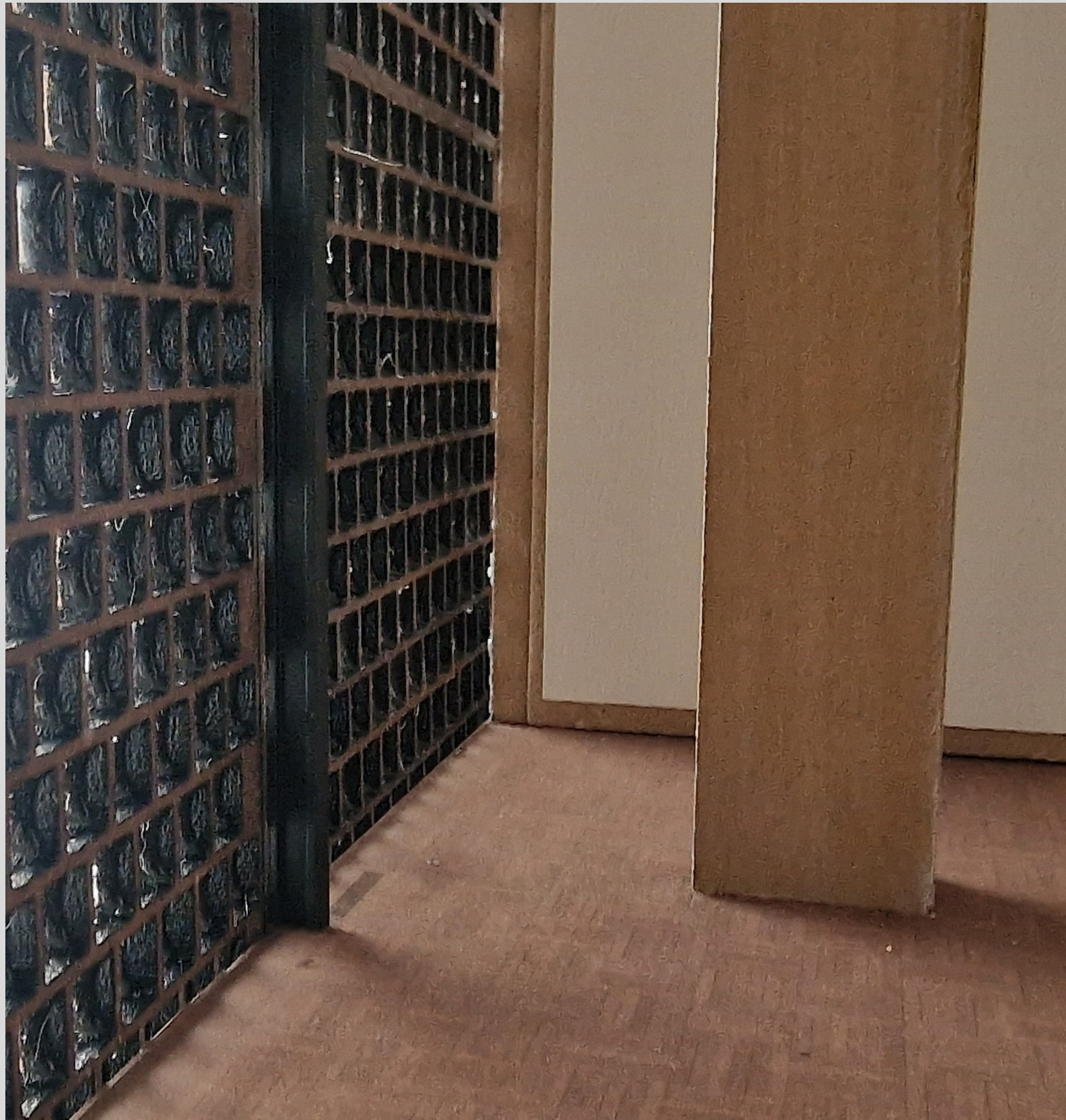
▽ +27.000

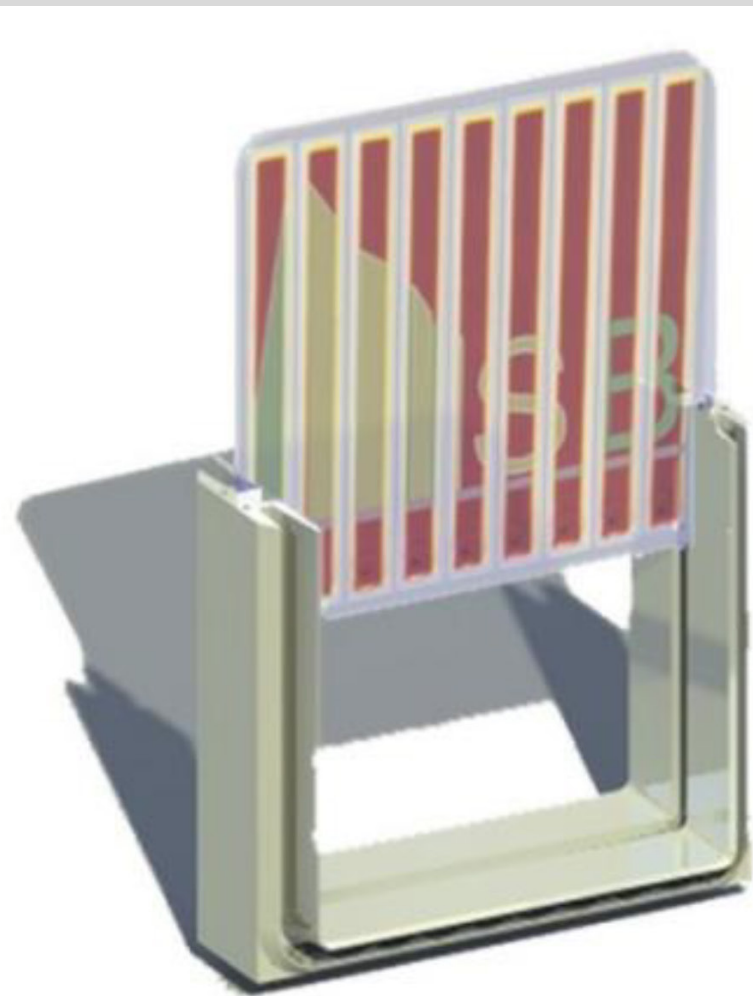
▽ +17.000

▽ +10.000

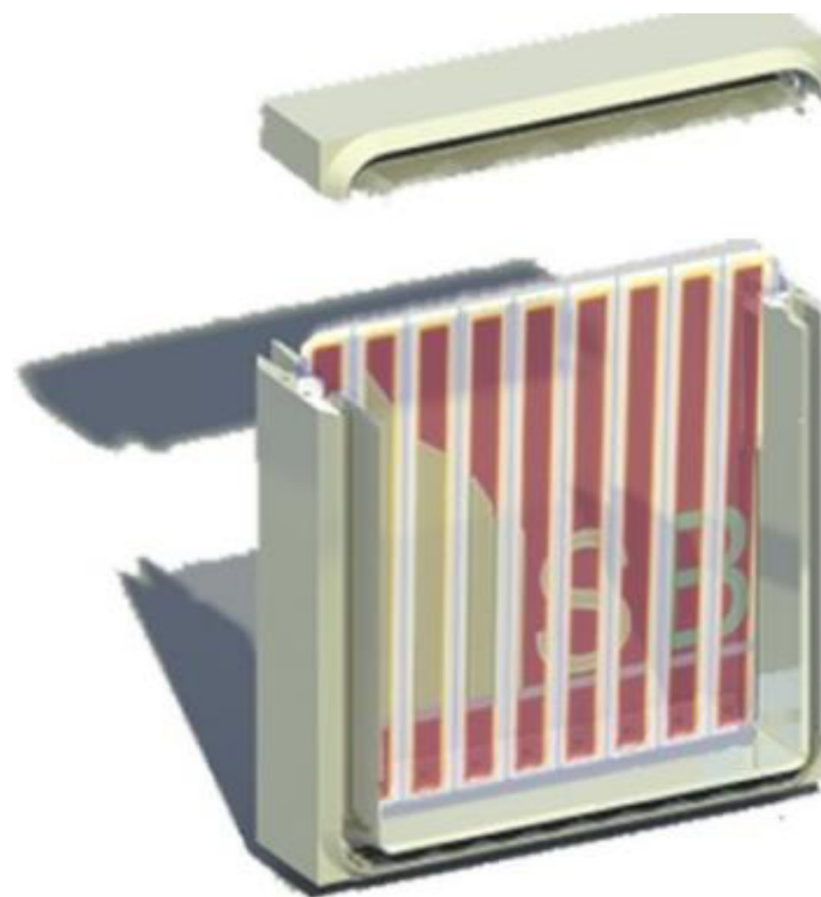
▽ +5.500

▽ -8.000

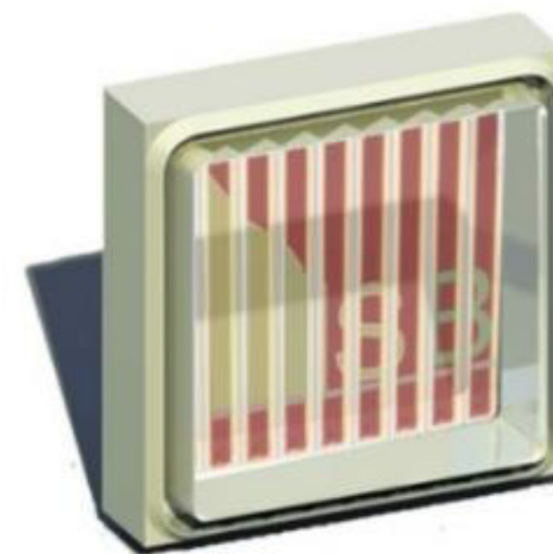




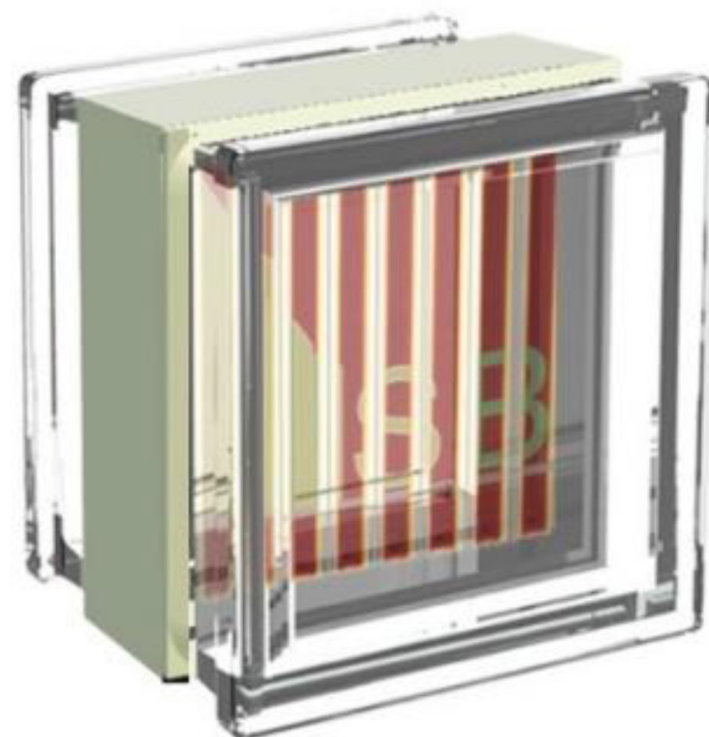
(a)



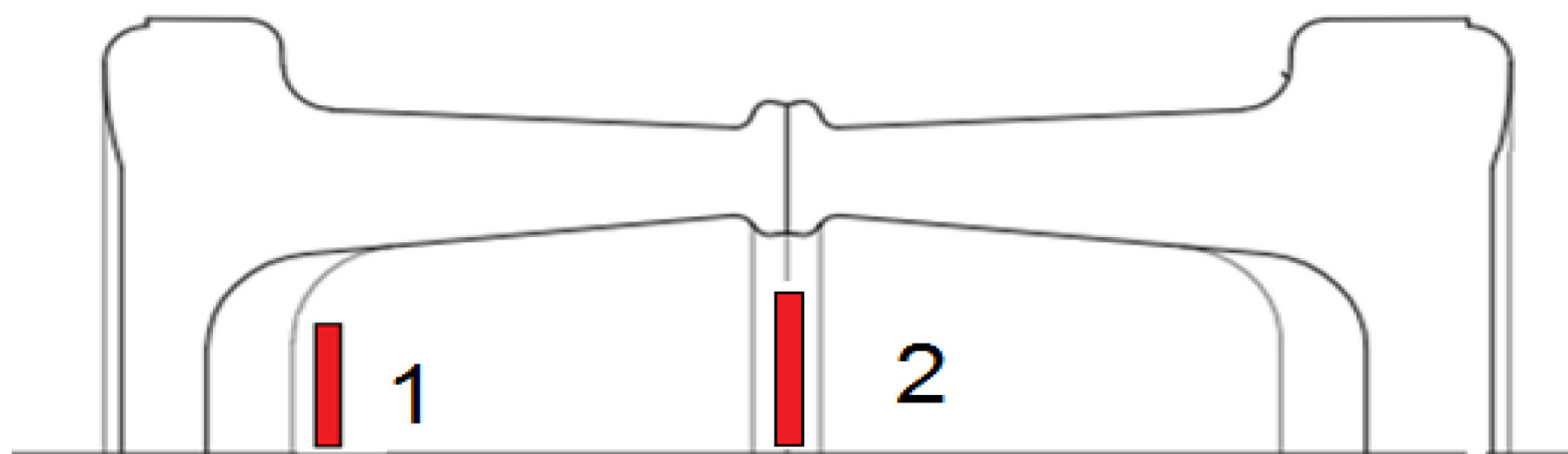
(b)



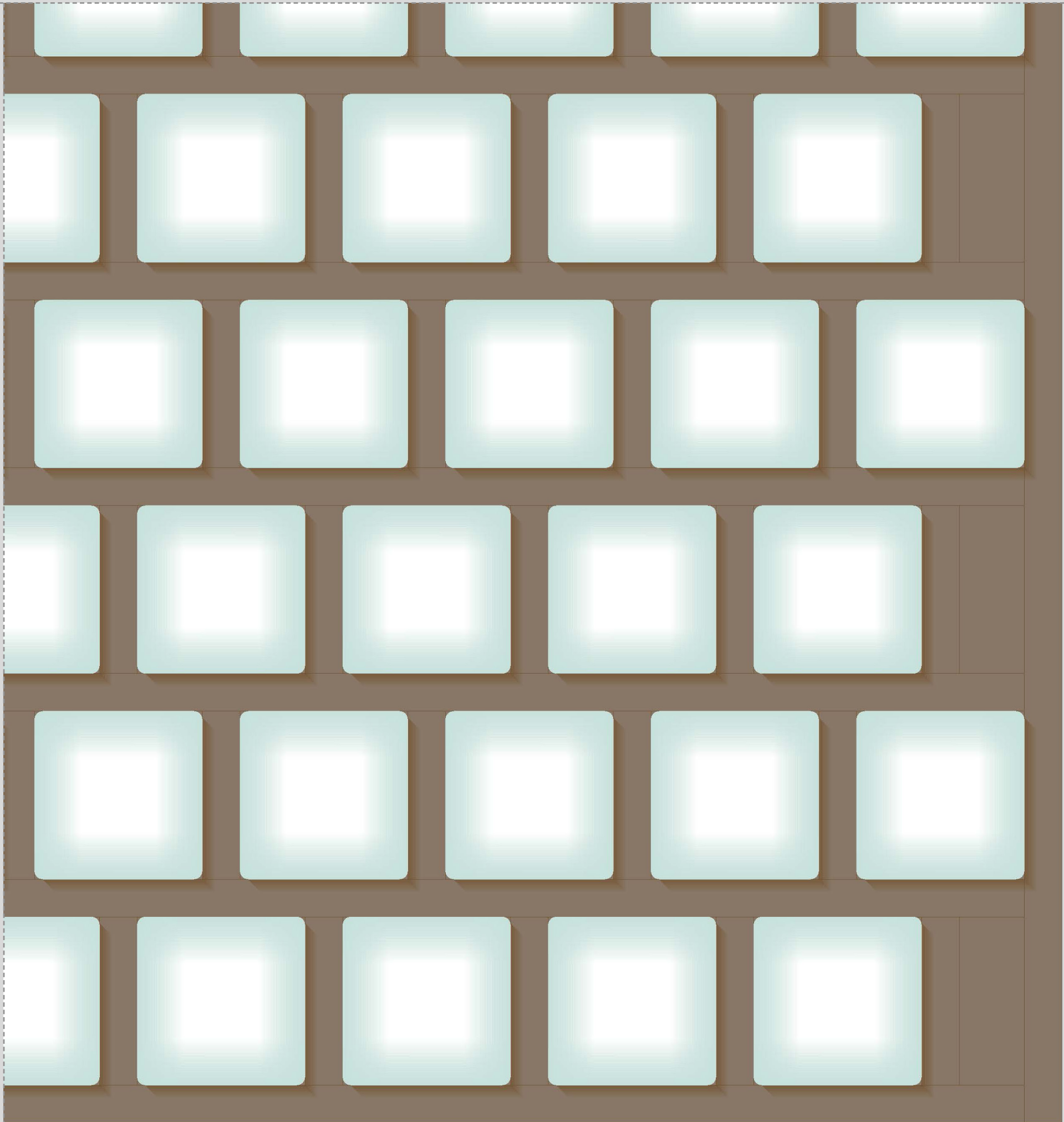
(c)



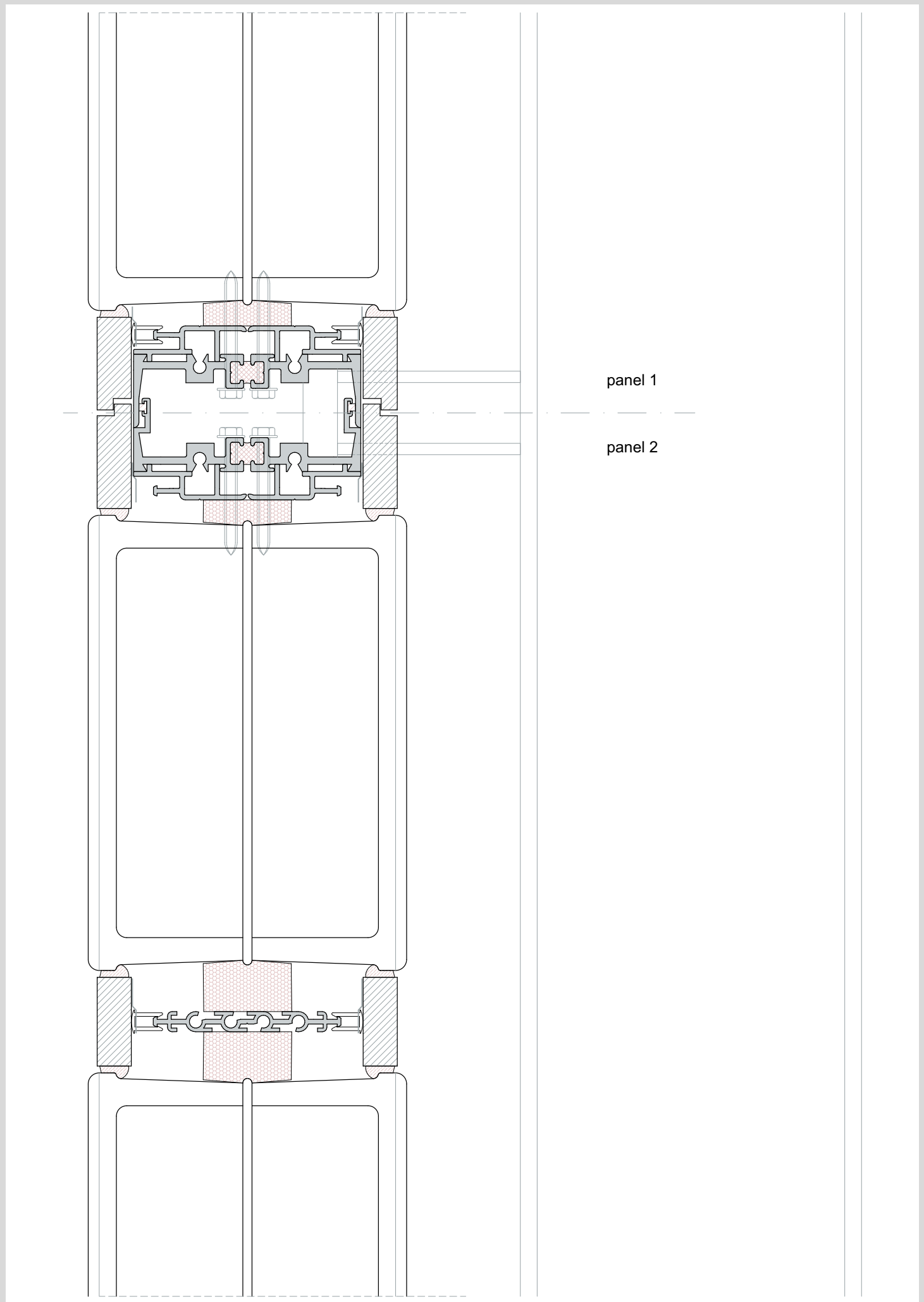
(d)



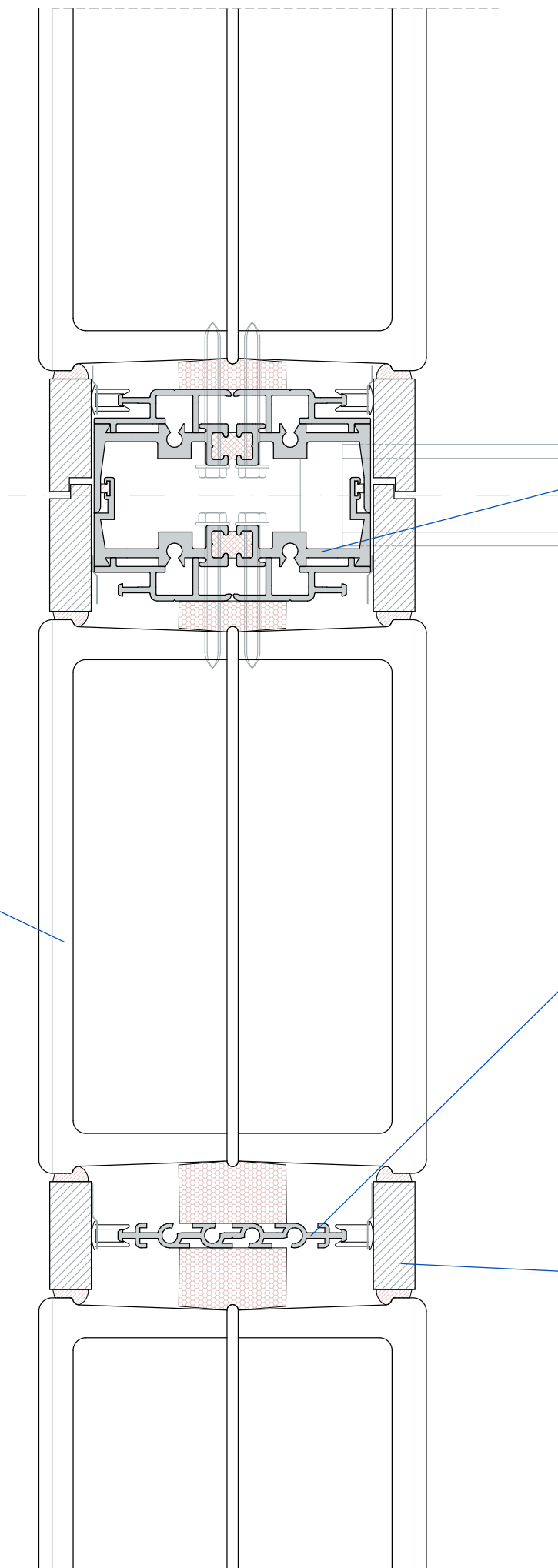
(e)



panel closeup



SELESS GLASS BLOCK



panel 1

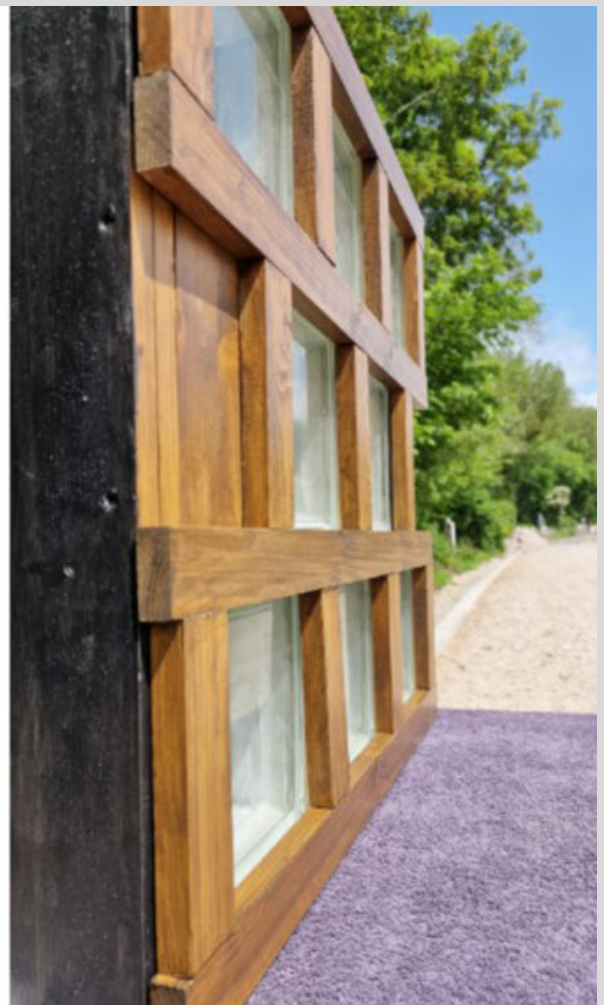
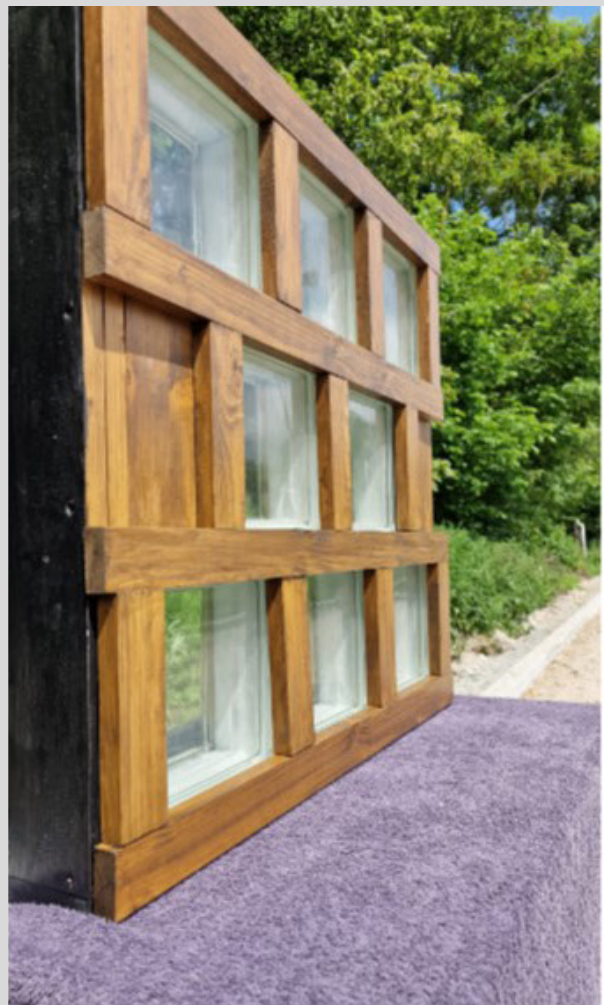
panel 2

MATRIX WALL

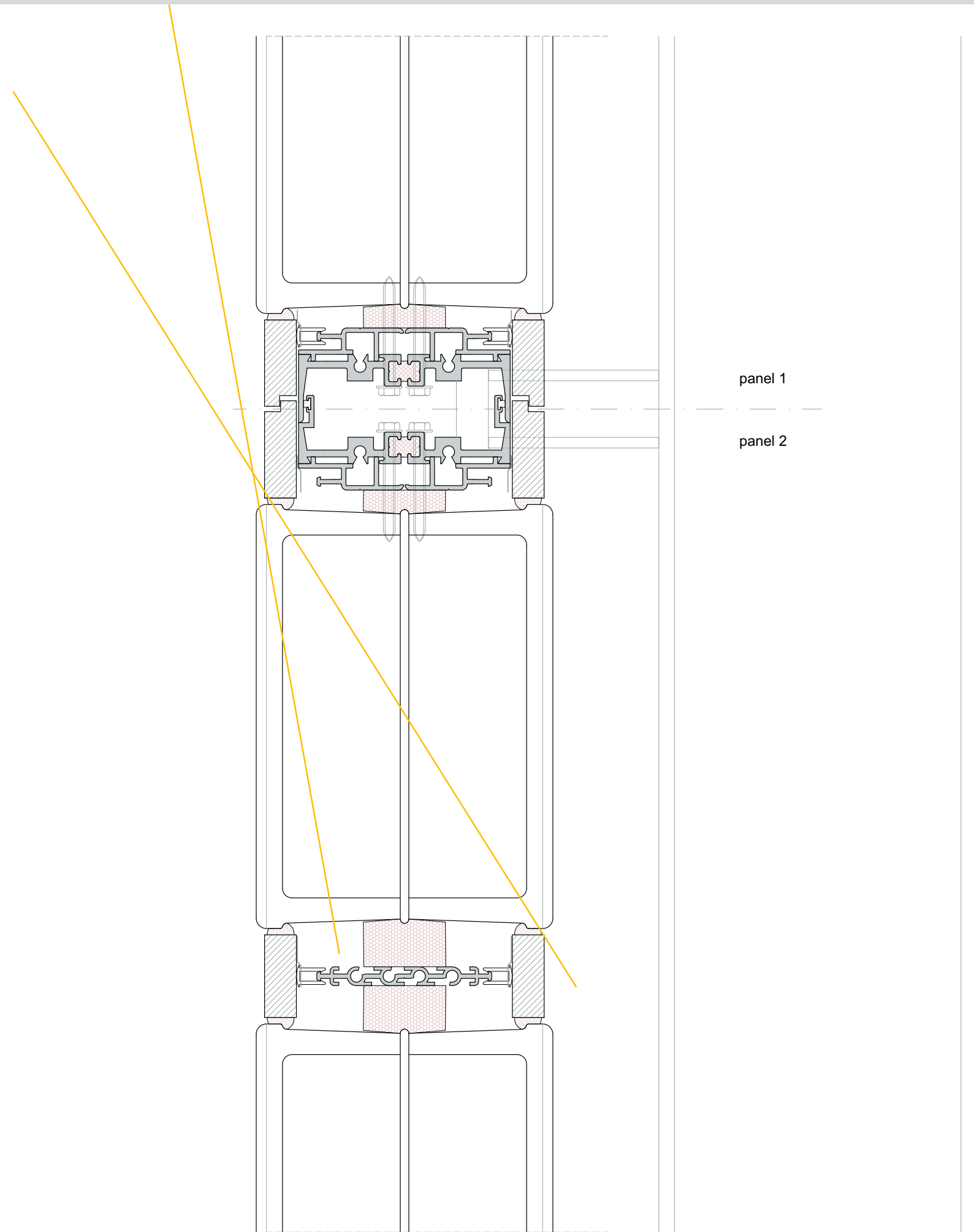


ACCOYA WOOD









sunlight blocked by the facade

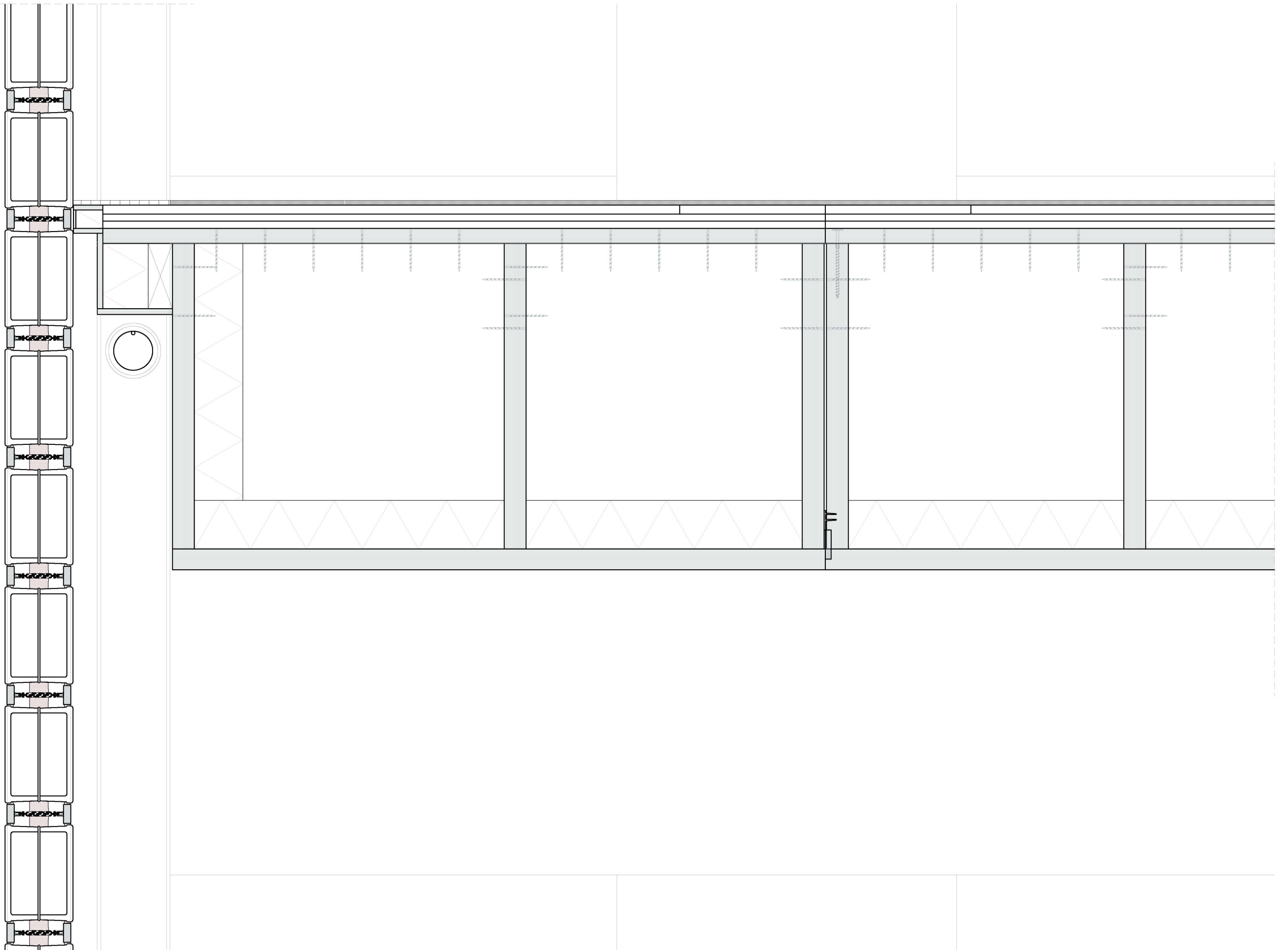


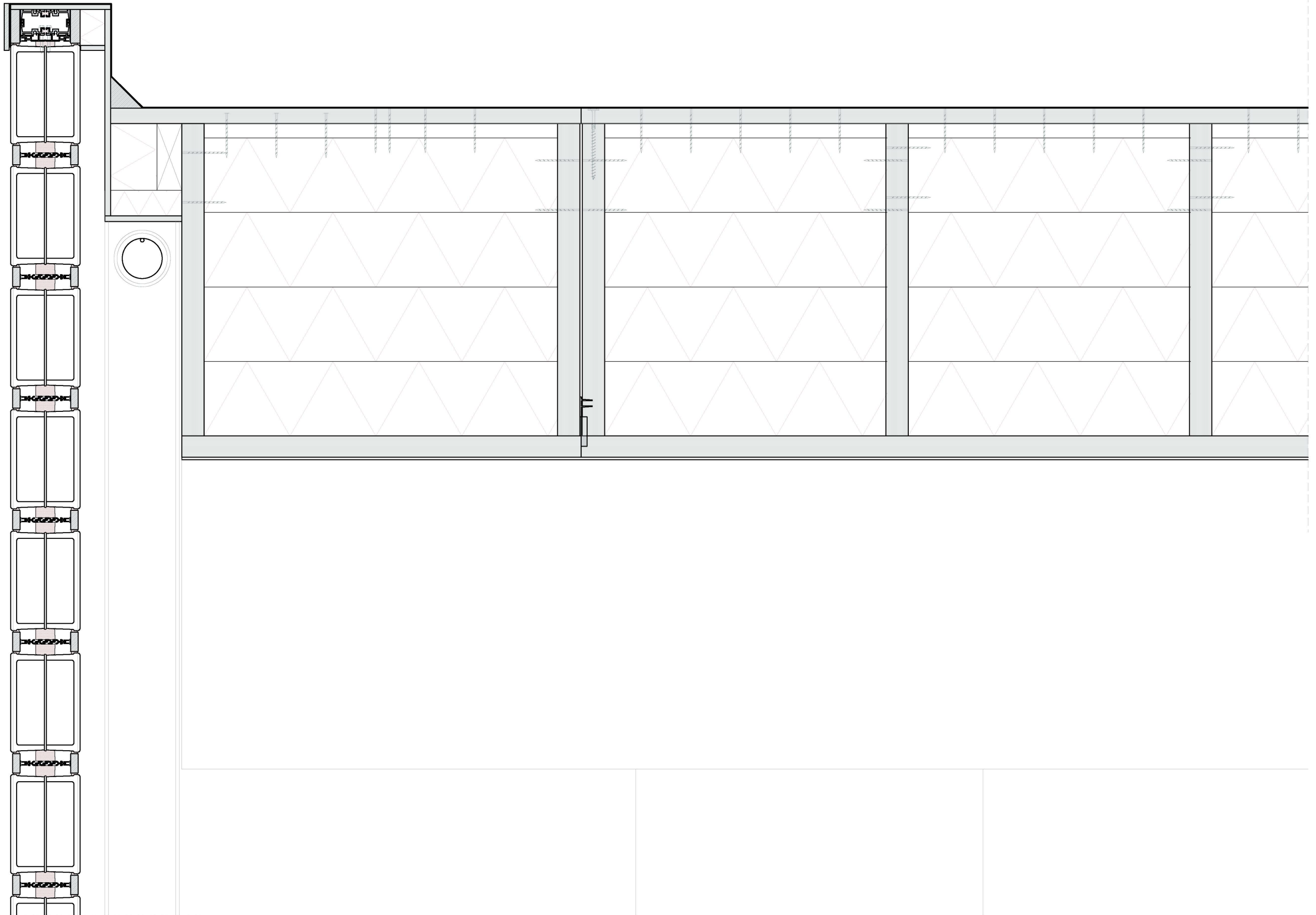


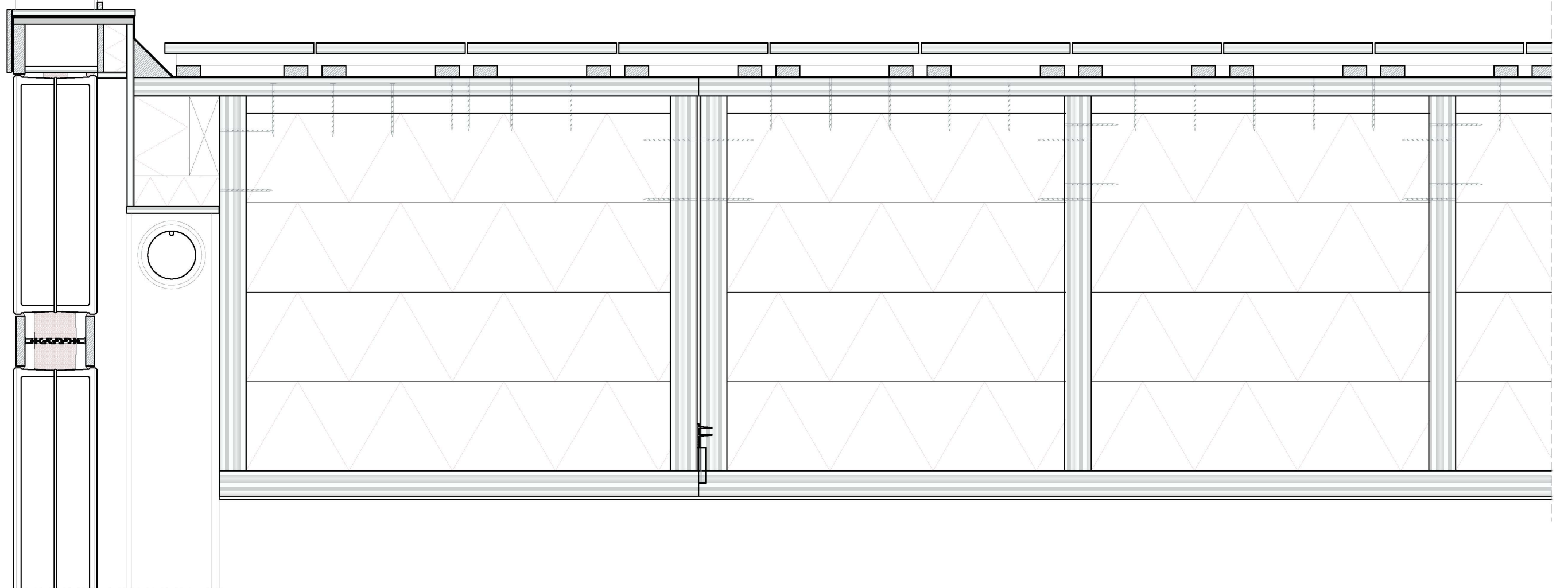
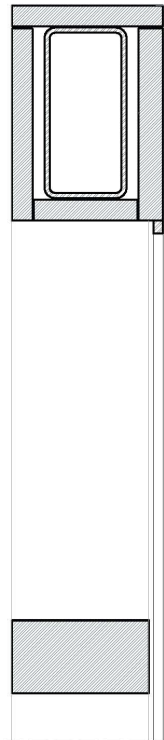
The MASP in 1970



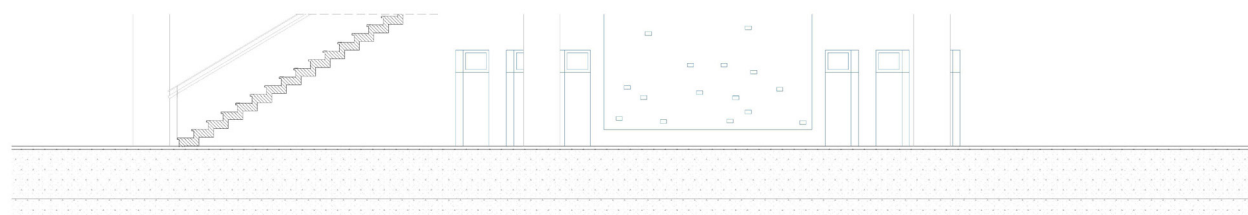
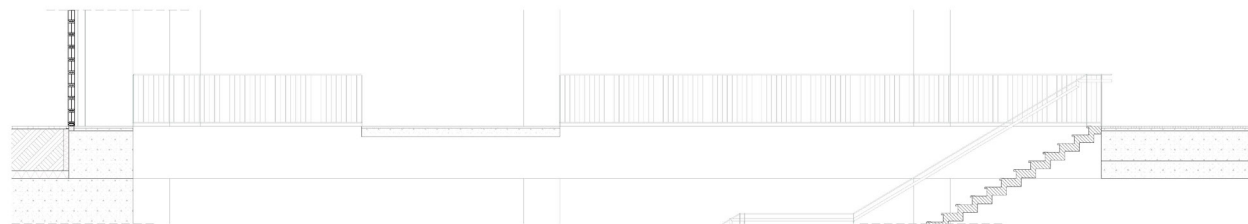
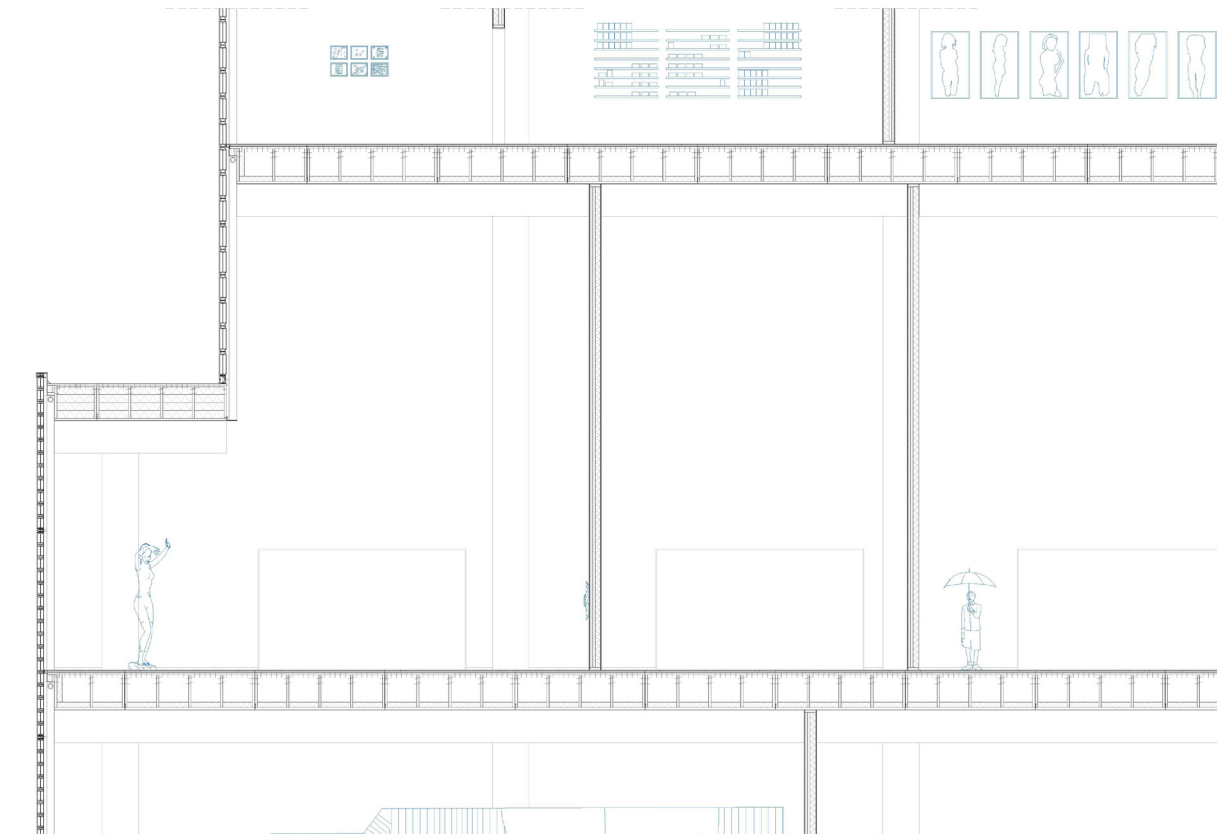
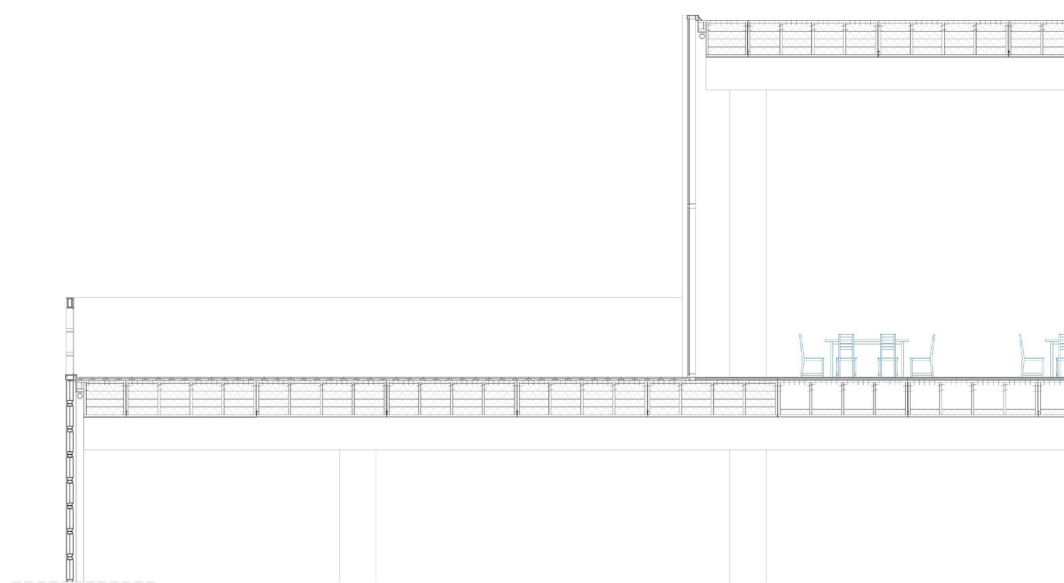
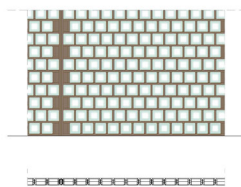
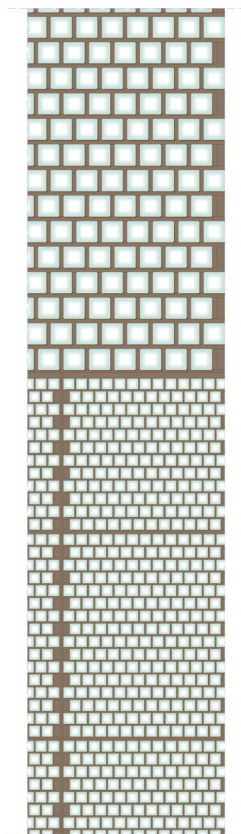
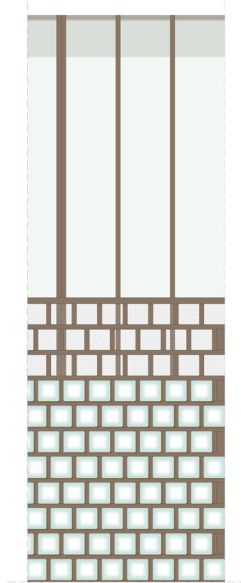
The MASP in 2015

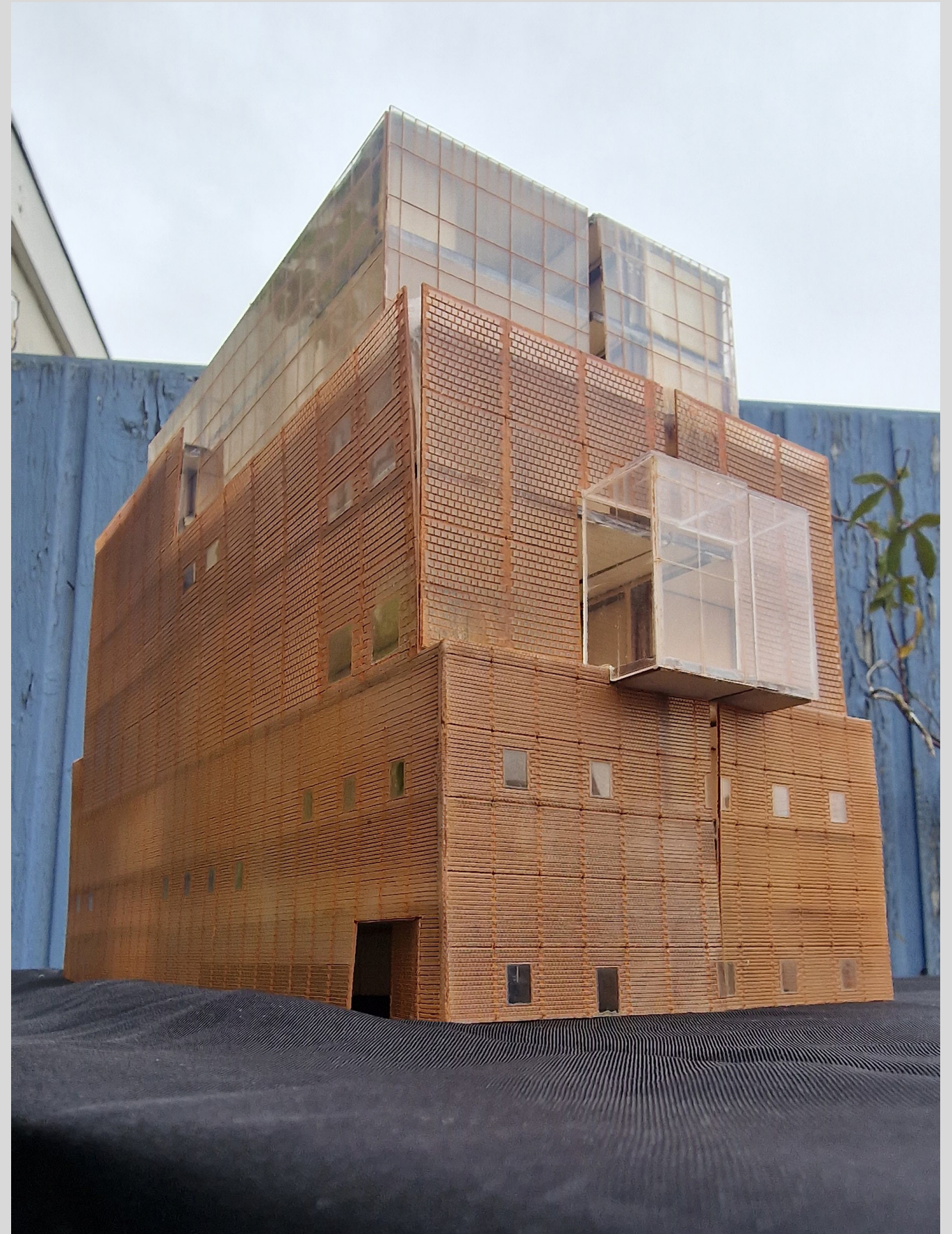














thank you