Faculty of Architecture and ~~the Built~~ environment
Faculty of Architecture and Building the environment

exploring ecologies of making

p5 presentation
23.06.2025

team:
design: Eireen Schreurs / Jorge Mejía Hernández
building technology: Georgios Karvelas
research: Mieke Vink

Max Bernaerts | 4852192
AR3EX115 | explore lab 39

reflections

Is architecture made with the brain?

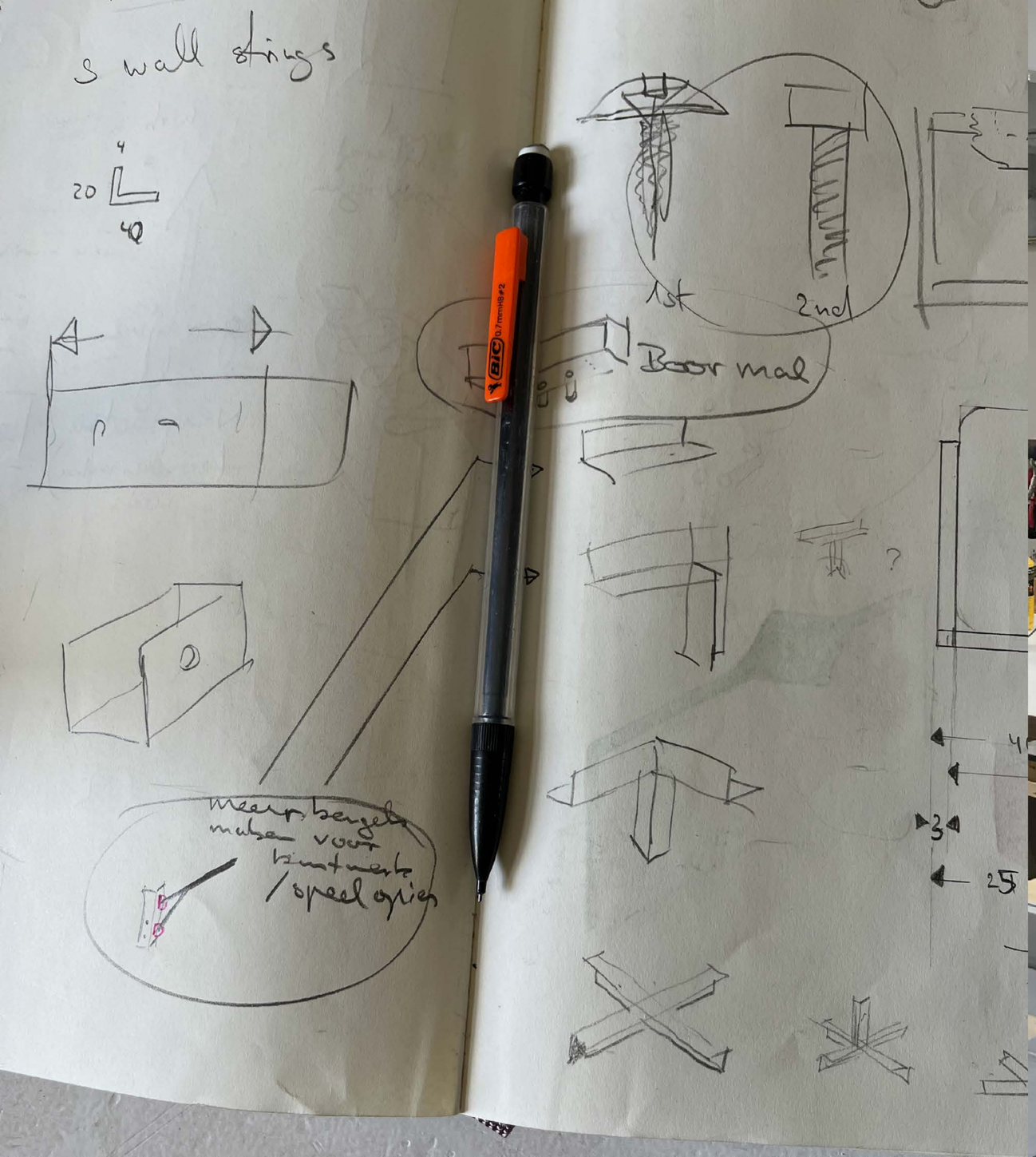
Can architects benefit from material alienation?

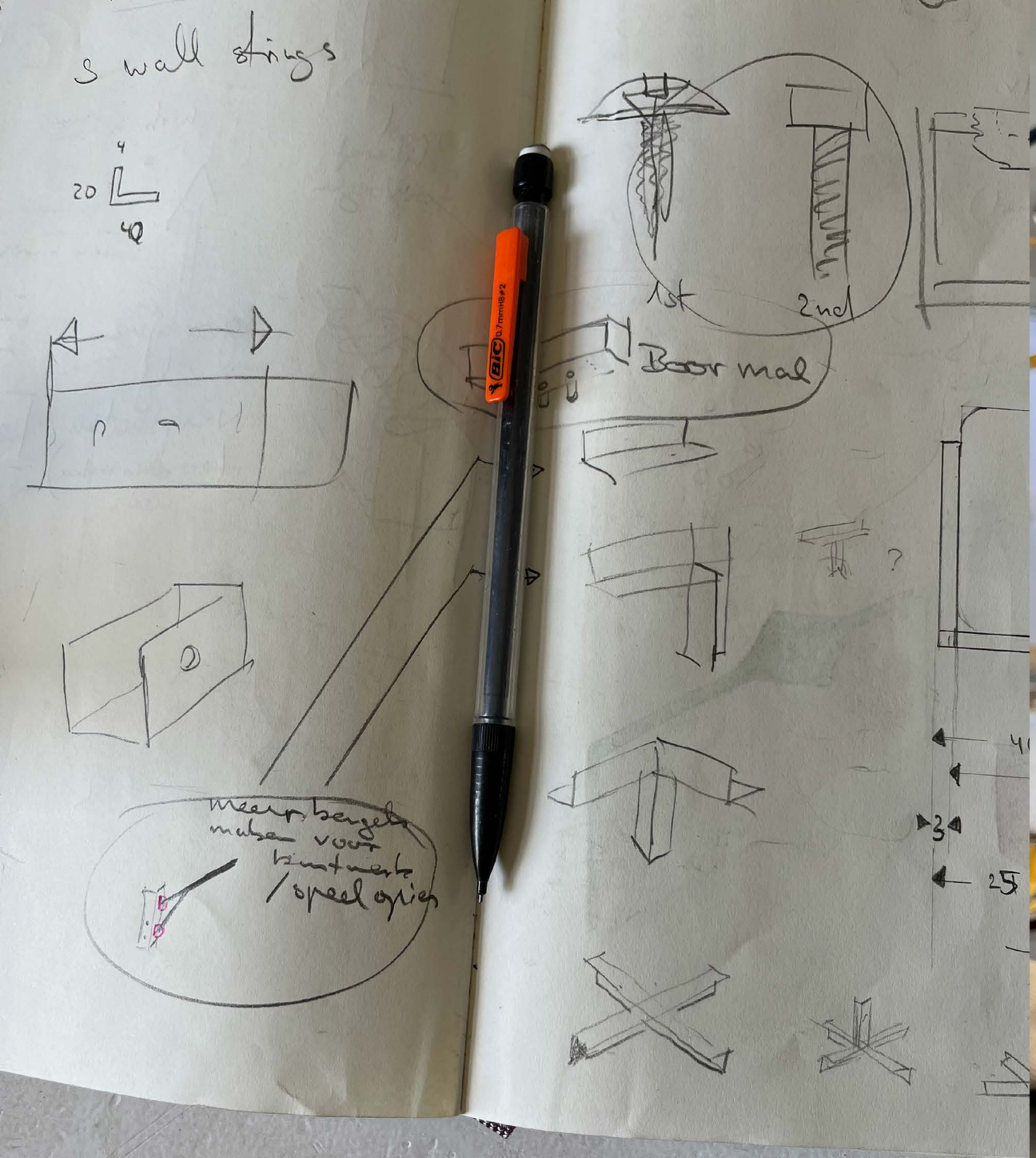
How do we balance abundance and efficiency?

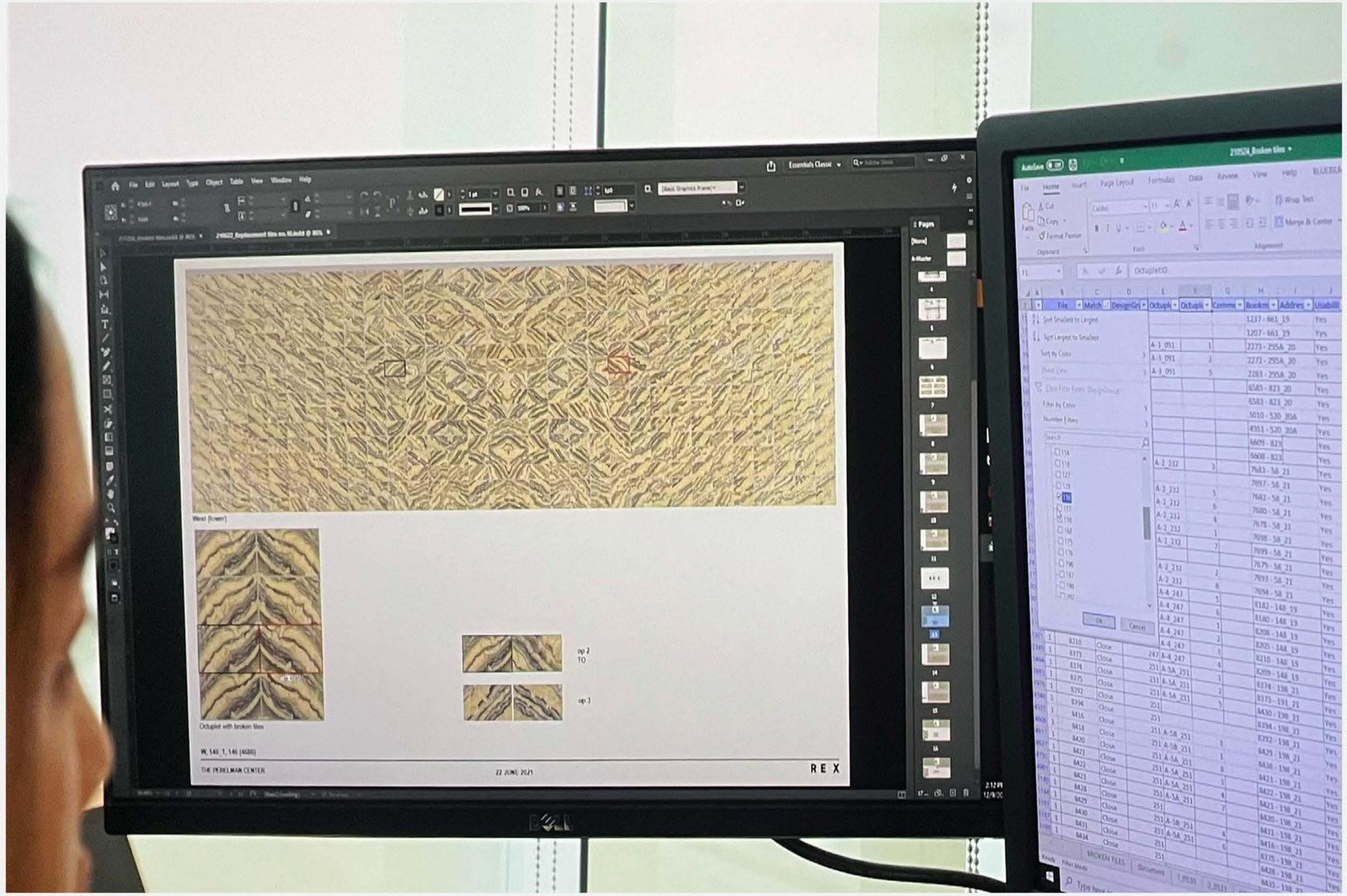
Should we be in school or in the field?

Are architects craftspeople?


BRESSER


s wall strings
20
40
1st
2nd
Boor mal
meer bergen
maken voor
kantmaat
/speel opties
4
3
25


s wall strings
20
4
40
1st
2nd
Boor mal
meer bergen
maken voor
kantmaat
/speel opties
?
41
3
25



Veins (Laurian Ghinitoiu, Arata Mori, 2023)

‘The Bad Architect’, from Philibert de l’Orme, Le premier tome de l’architecture, Paris, 1568, p. 281.

values of making for architectural education

values of making for architectural education

01. why?

values of making for architectural education

making processes

01. why?

values of making for architectural education

01. why?

making processes

02. how?

making institutes

design project

how to research values of making?

how to research values of making?


35
56

01 sense material properties and cycles

01 sense of material properties and cycles

02 tacit knowledge development

01 sense of material properties and cycles

02 tacit knowledge development

Are architects craftspeople?

02. how?

visit & learn from great examples

Stadsatelier de Ville

Stadsatelier de Ville


HERAS!

AA Hooke Park

AA Hooke Park

Les Grands Ateliers

Les Grands Ateliers

01 thoughtful material flows

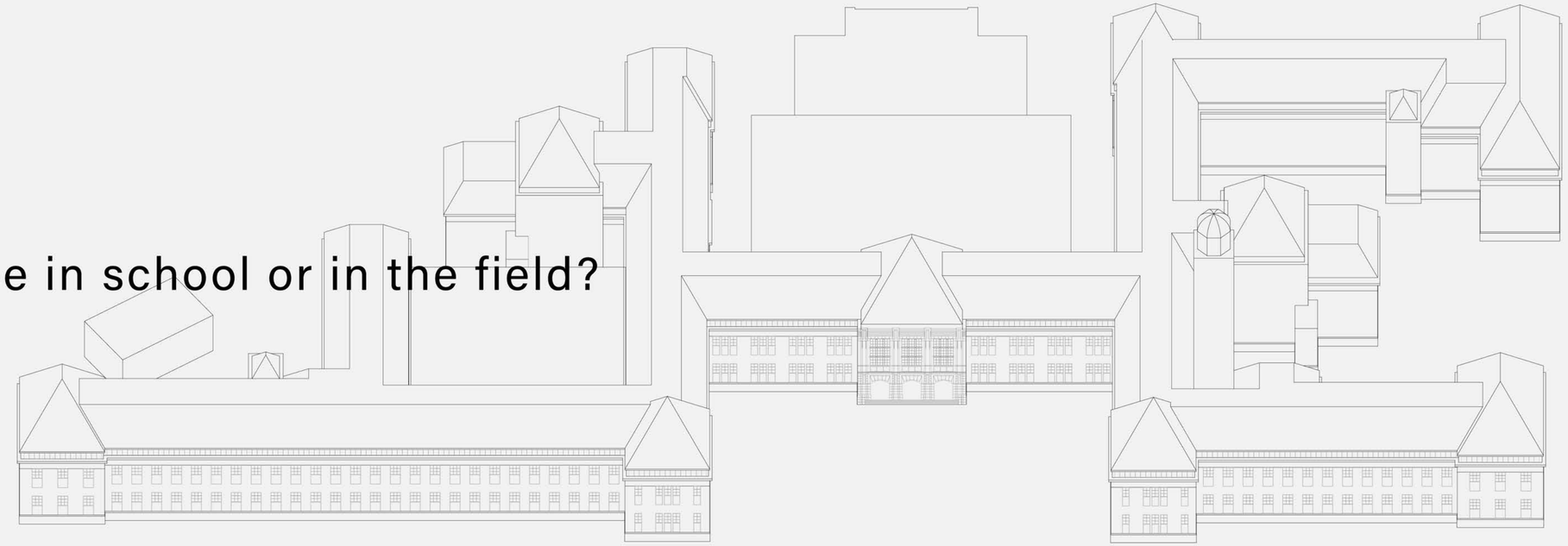
01 thoughtful material flows

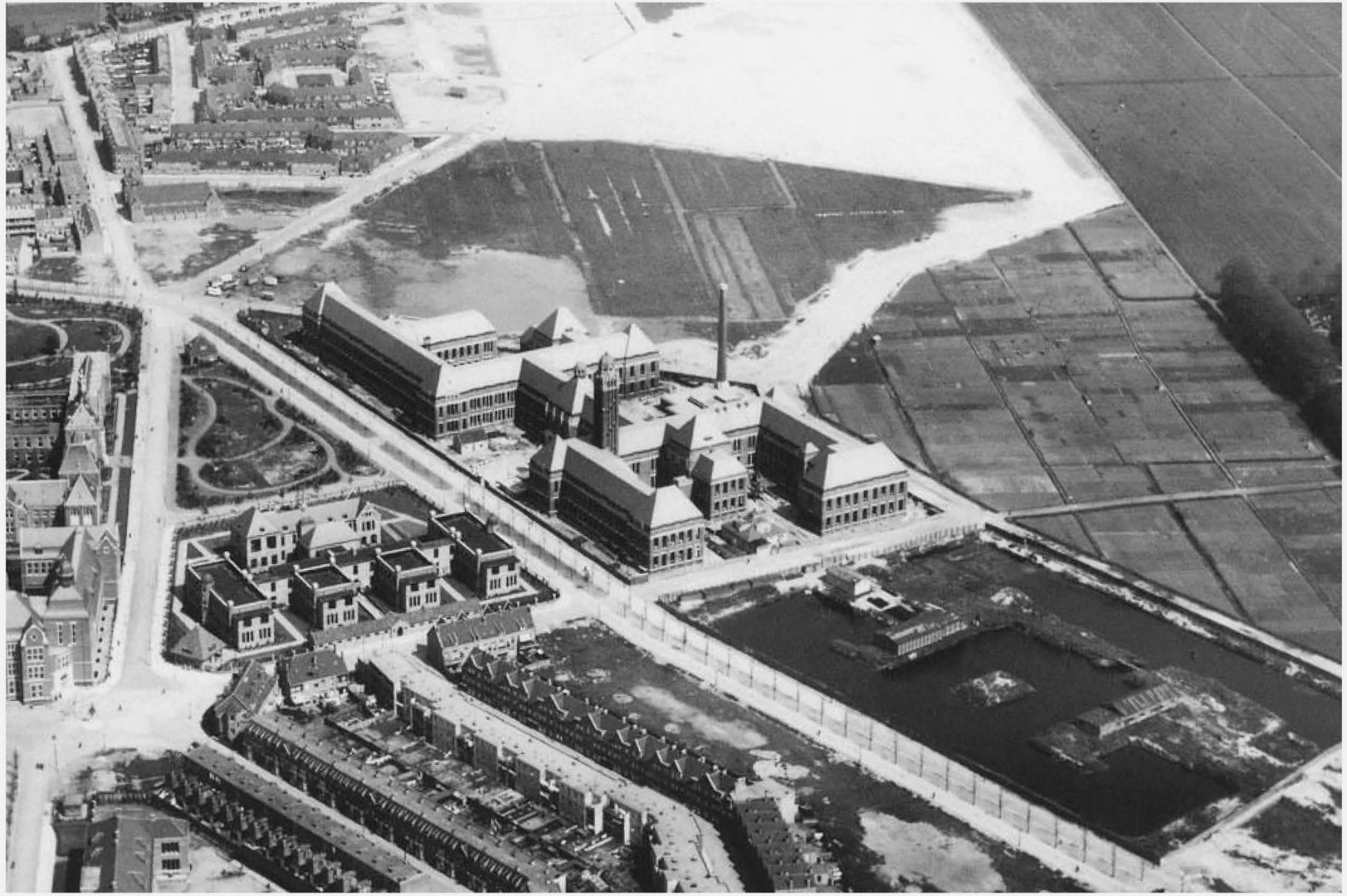
02 elaborate organisation of served / servant

how to create an ecology of making?

how to create an ecology of making?

Should we be in school or in the field?





1917 — ... “monument to waste”

1939 — 1958 storage of “yellow cake” and airplanes

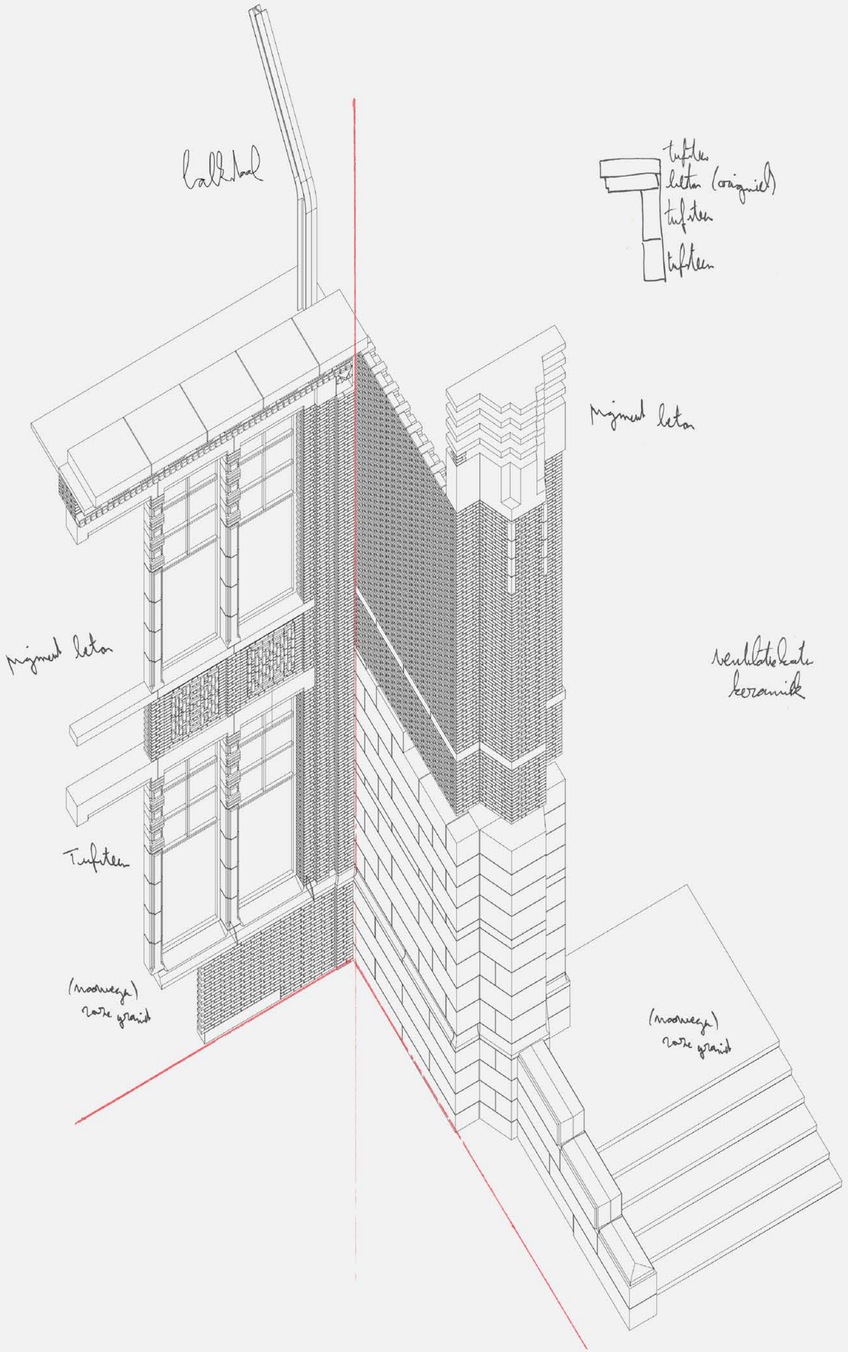
1959 Transformation to offices TH (suspended attic ceiling)

1959 — 2005 various TH departments


Villa Academica
Informatie Centrum
www.villaacademica.nl
Robert en Louise
gaan hier wonen

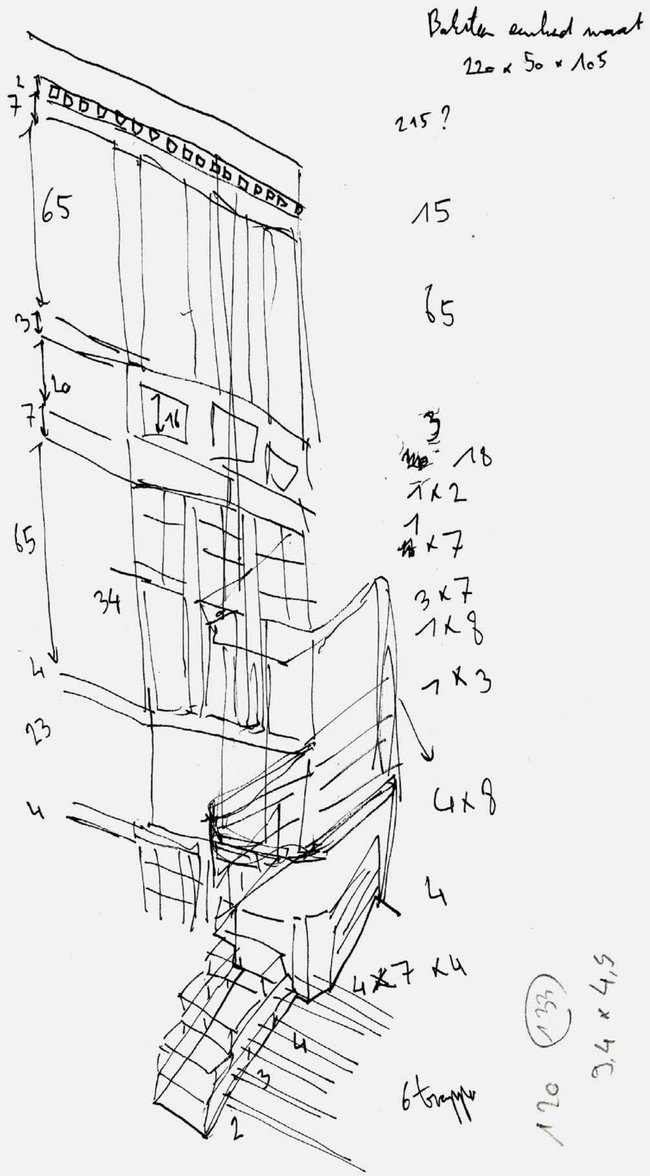
2005 Sale

2008 ~~Sale~~ BK City “monument to adapt”


tuftlen
letten (originiel)
tuftlen
tuftlen
original leton
original leton
Tuftlen
(modernegr)
zwarte grauit
(modernegr)
zwarte grauit

shifting functions, moving materials

shifting functions, moving materials


Bakken enkel maat
220 x 50 x 105
215 ?
15
65
18
1x2
1x7
3x7
1x8
1x3
4x8
4
4x7 x4
6 trappen
120
134
3,4 x 4,5
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34
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23
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16
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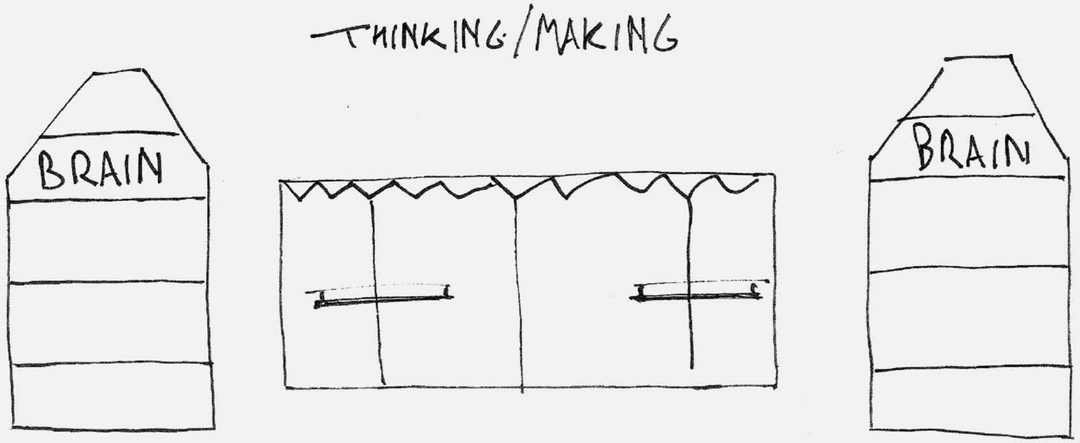
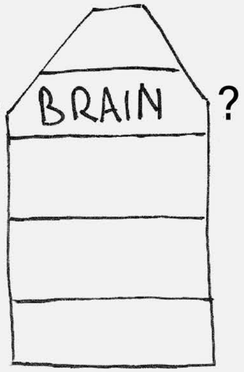
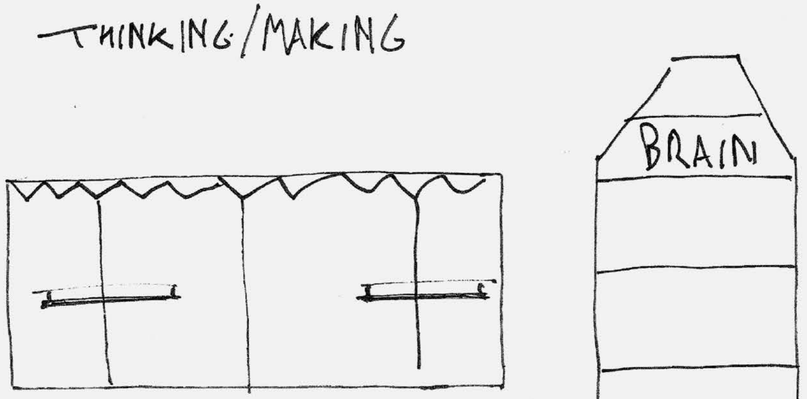
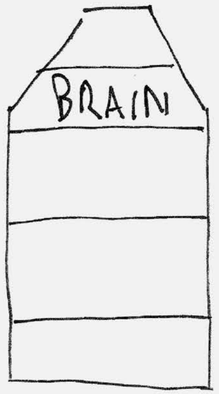
2


THINKING/MAKING
BRAIN
BRAIN

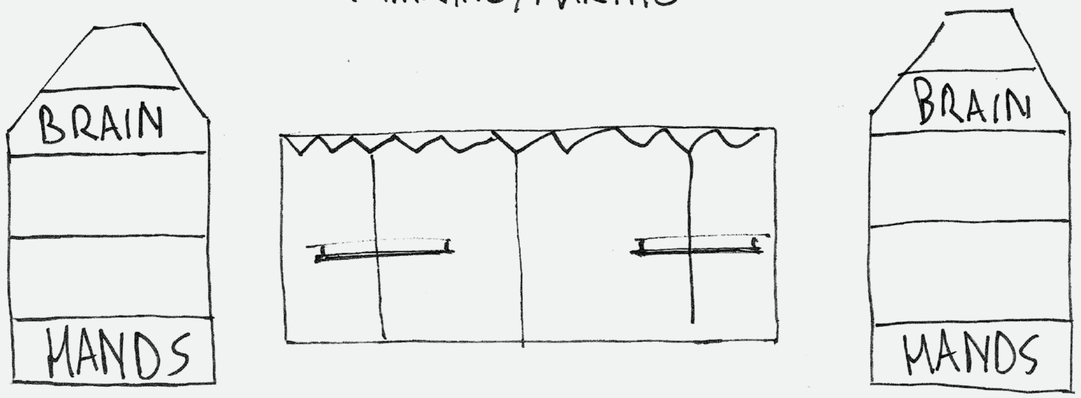
Is architecture made with the 

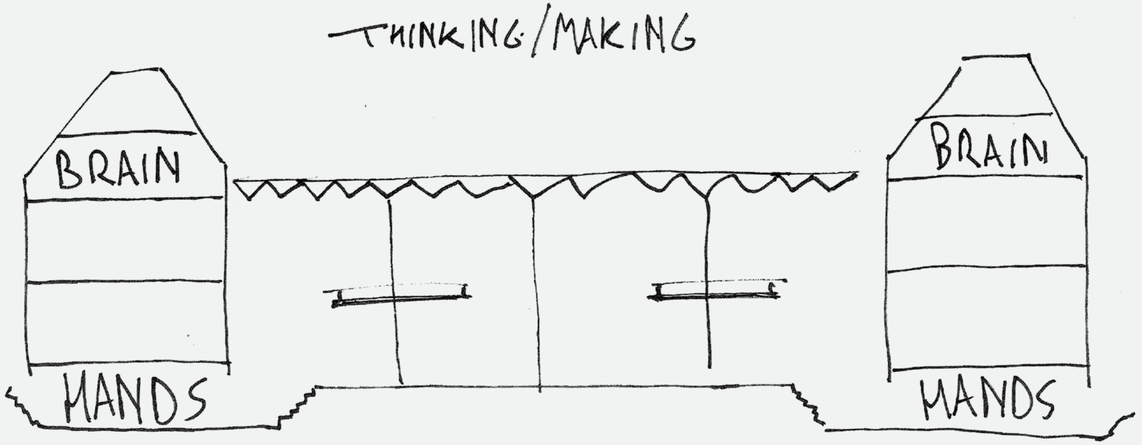
?

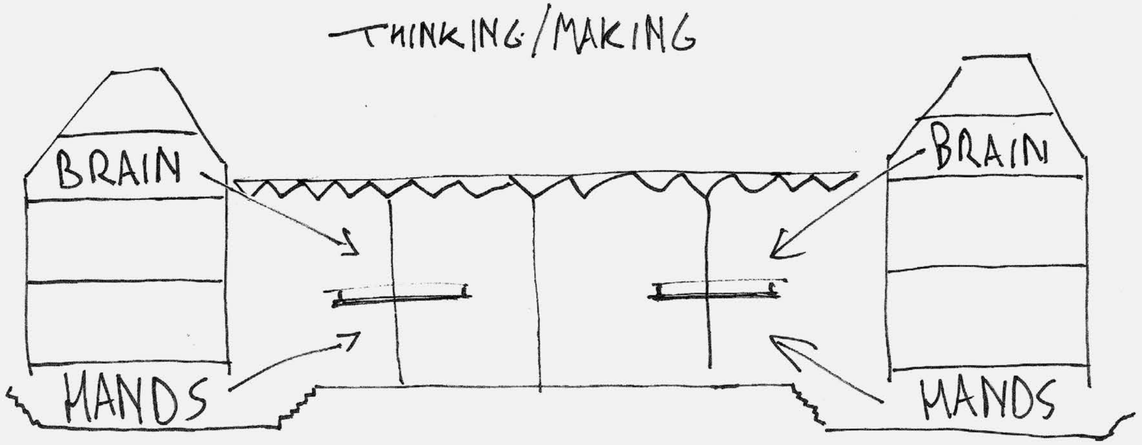




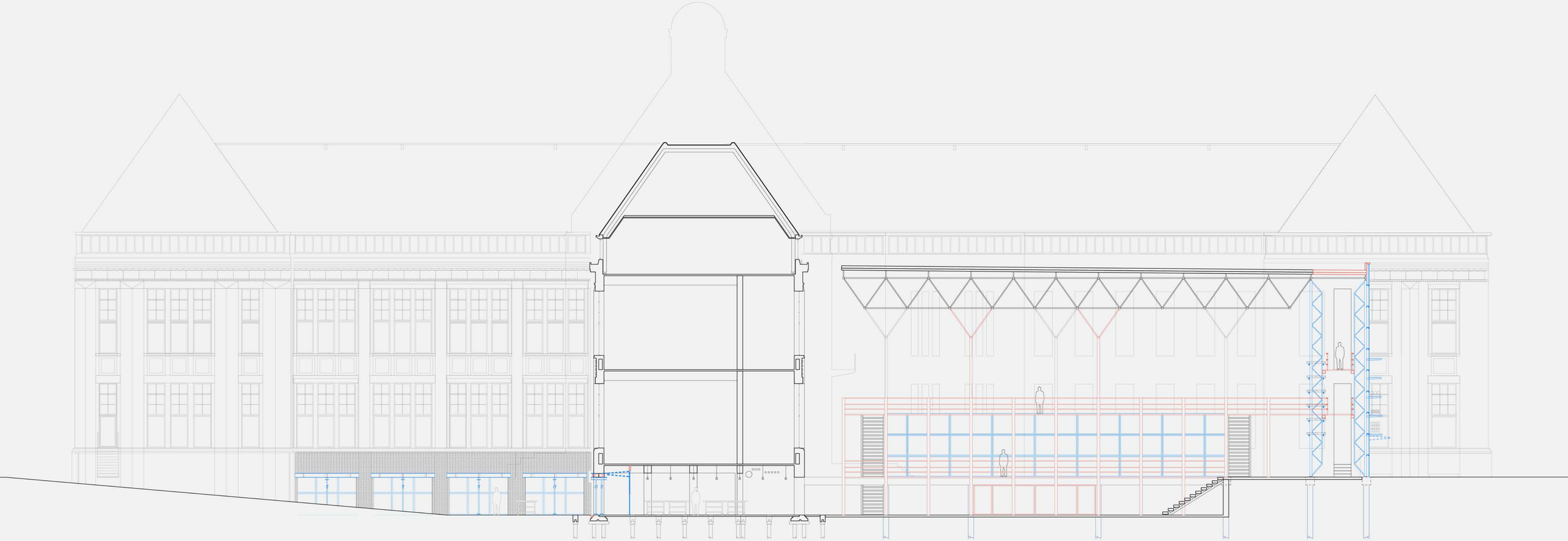
THINKING/MAKING

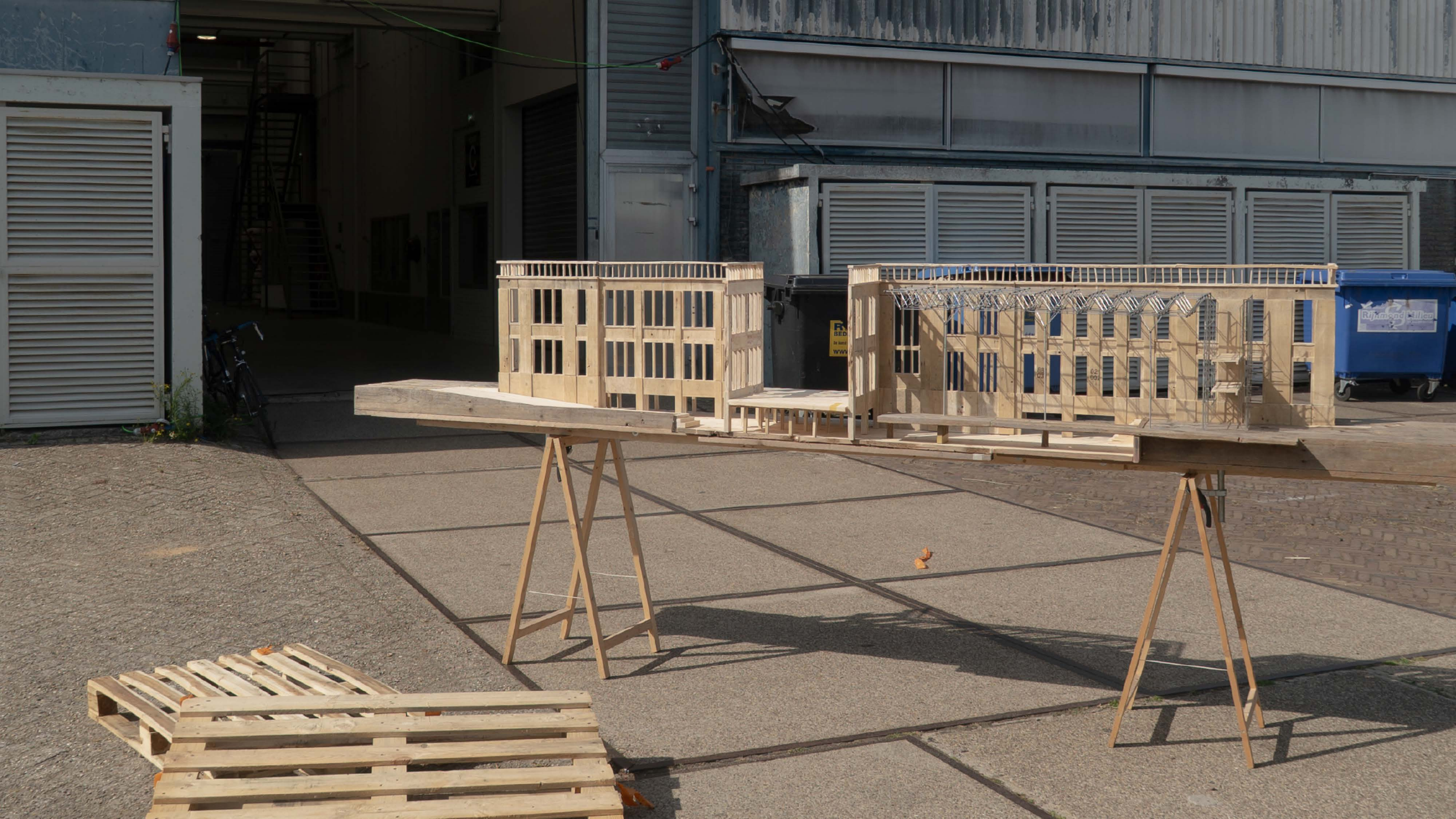


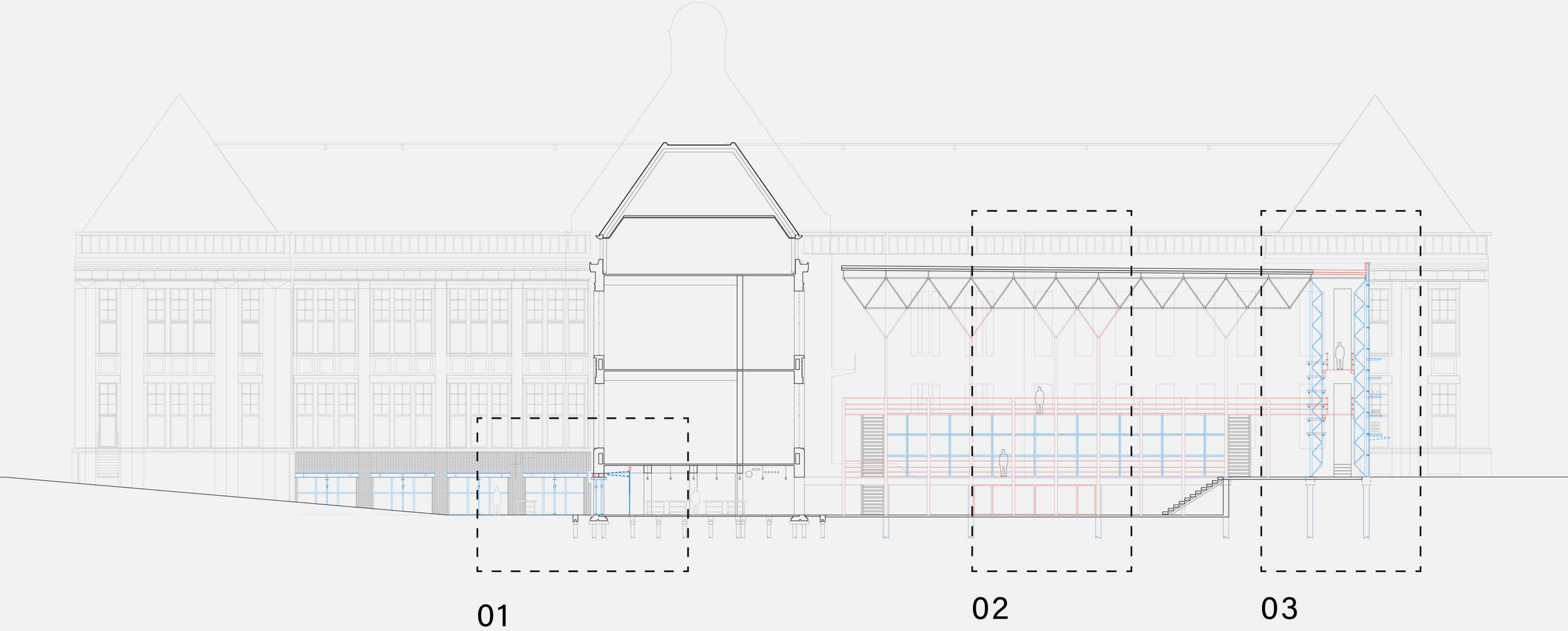

THINKING/MAKING
BRAIN
HANDS
BRAIN
HANDS


THINKING/MAKING
BRAIN
HANDS
BRAIN
HANDS

02. how?




Rijkmond Mijden


01
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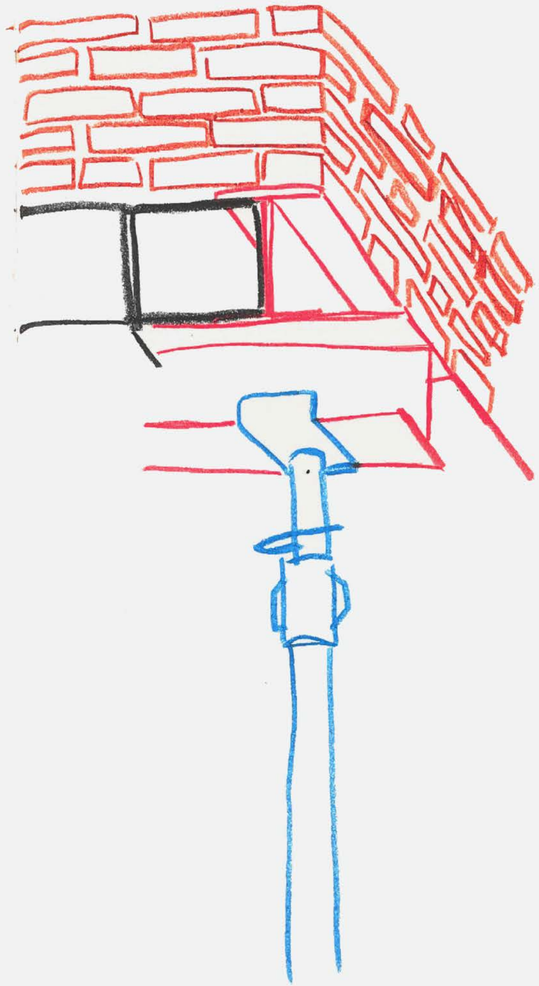
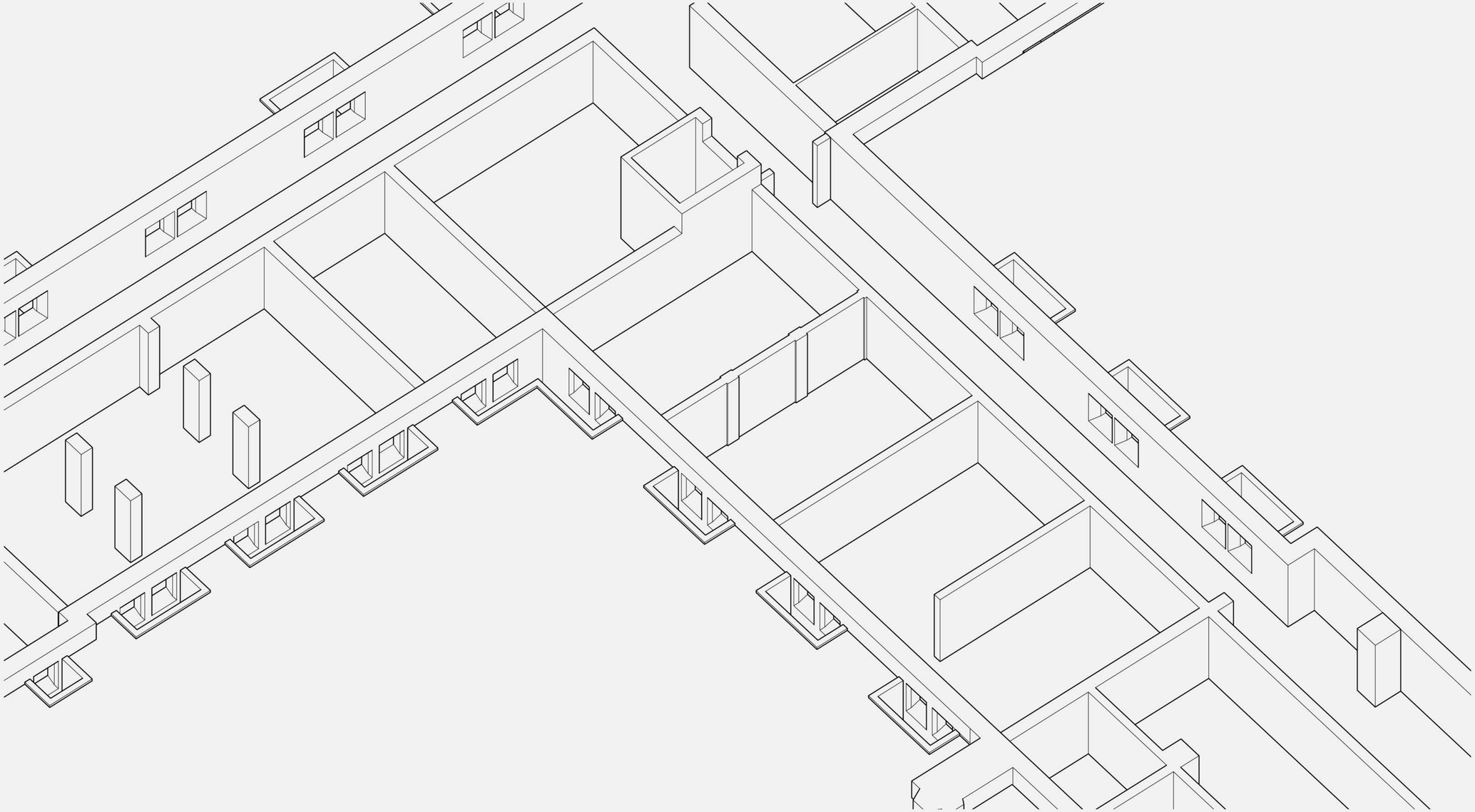
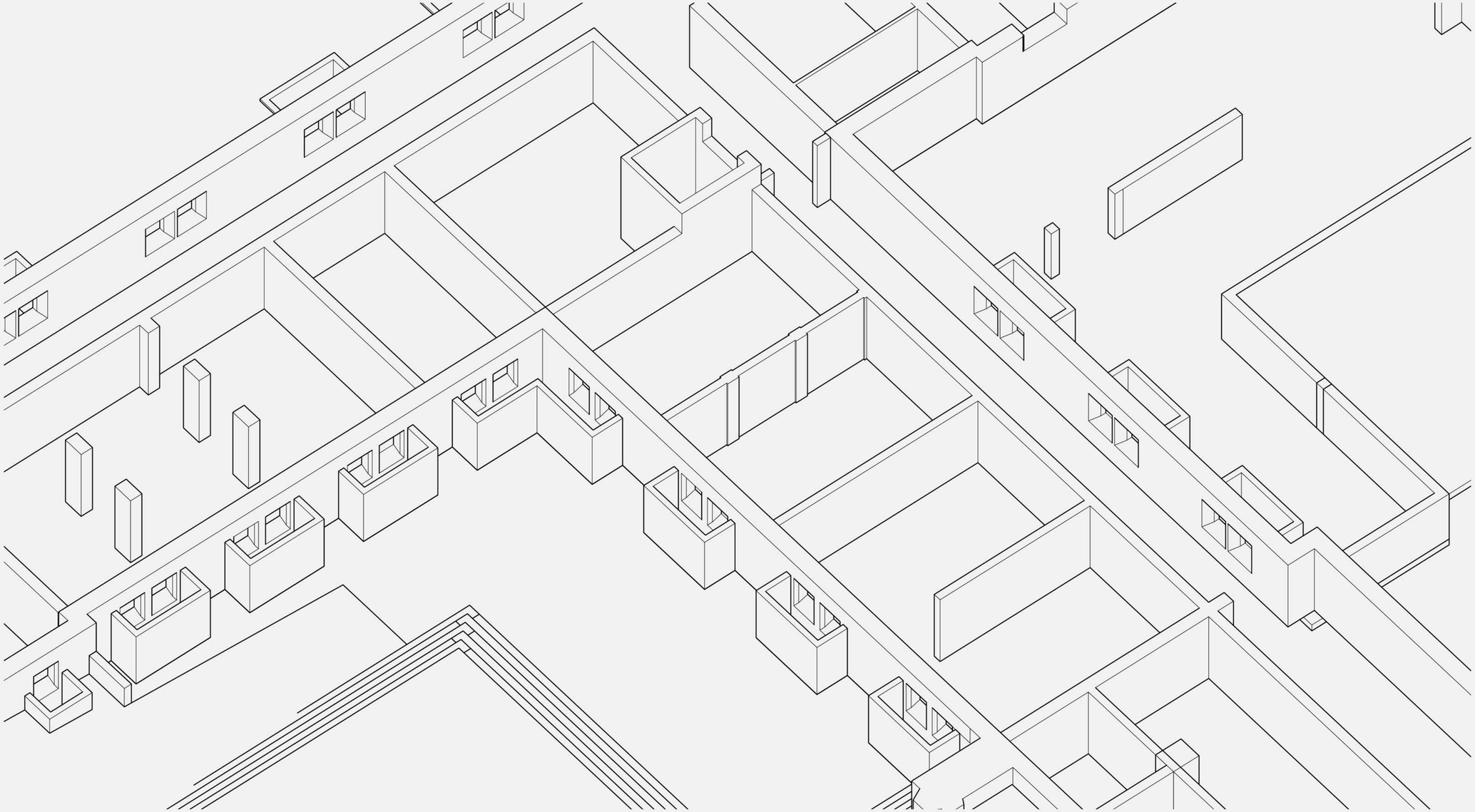
03



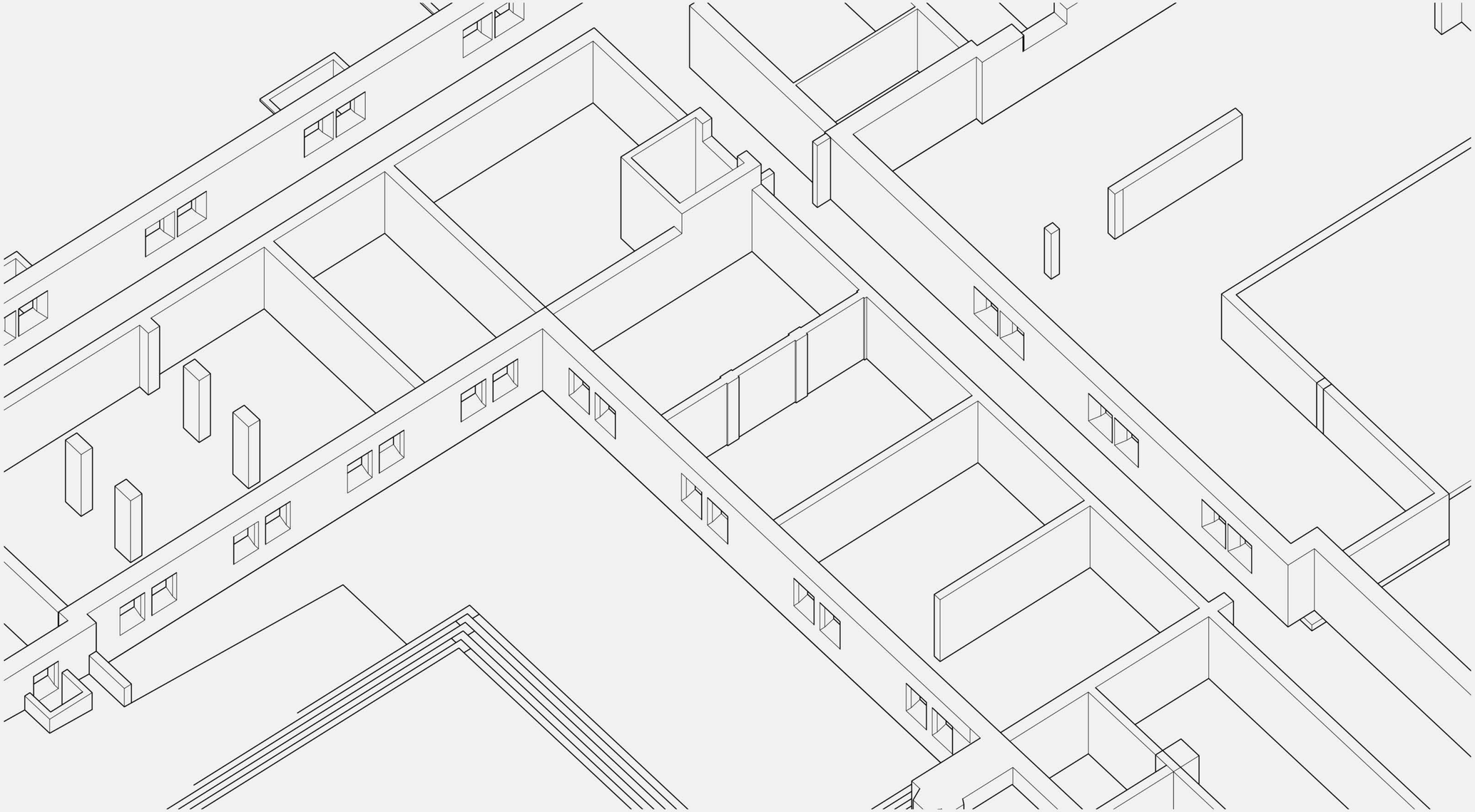
01 how to make a building float?



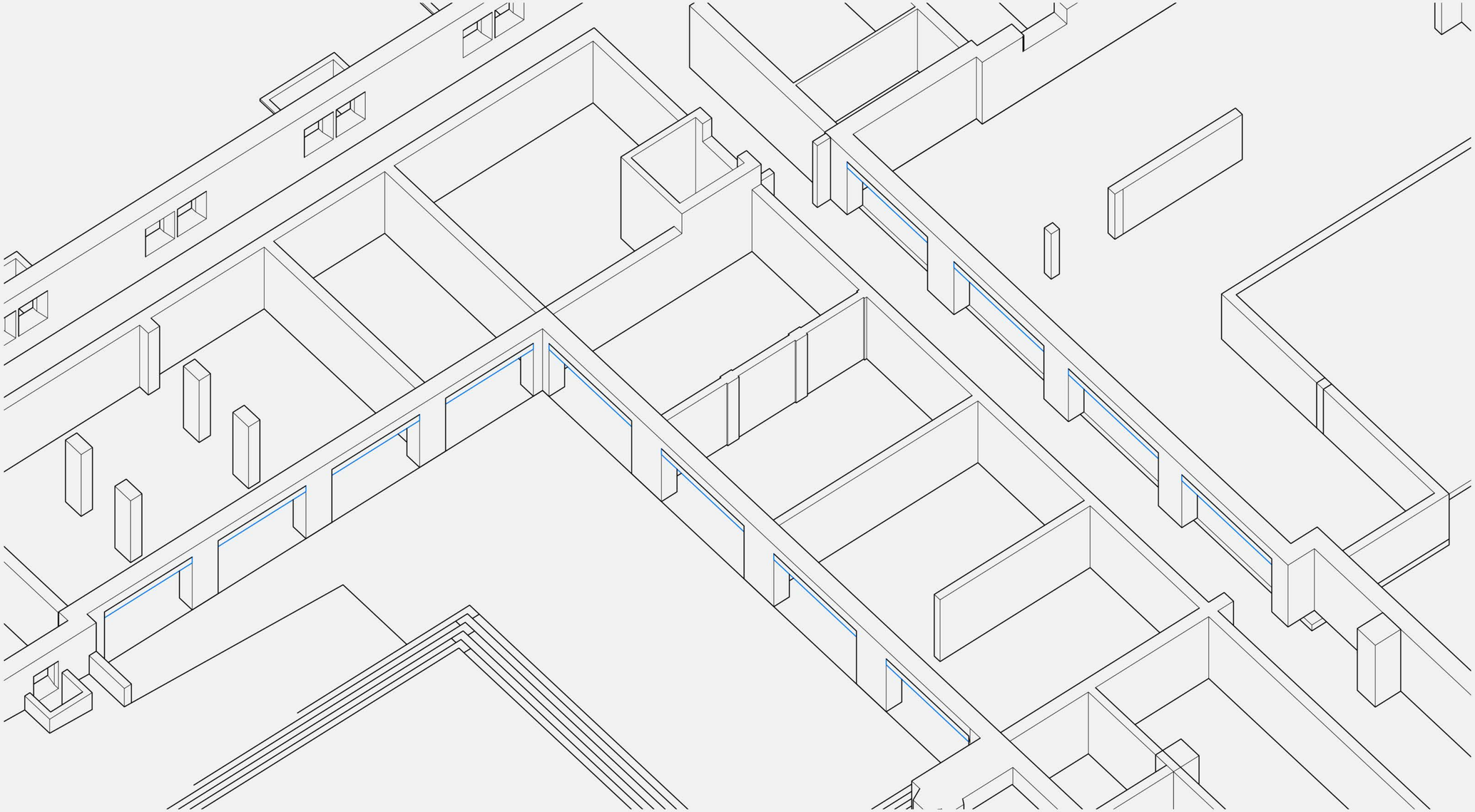
existing



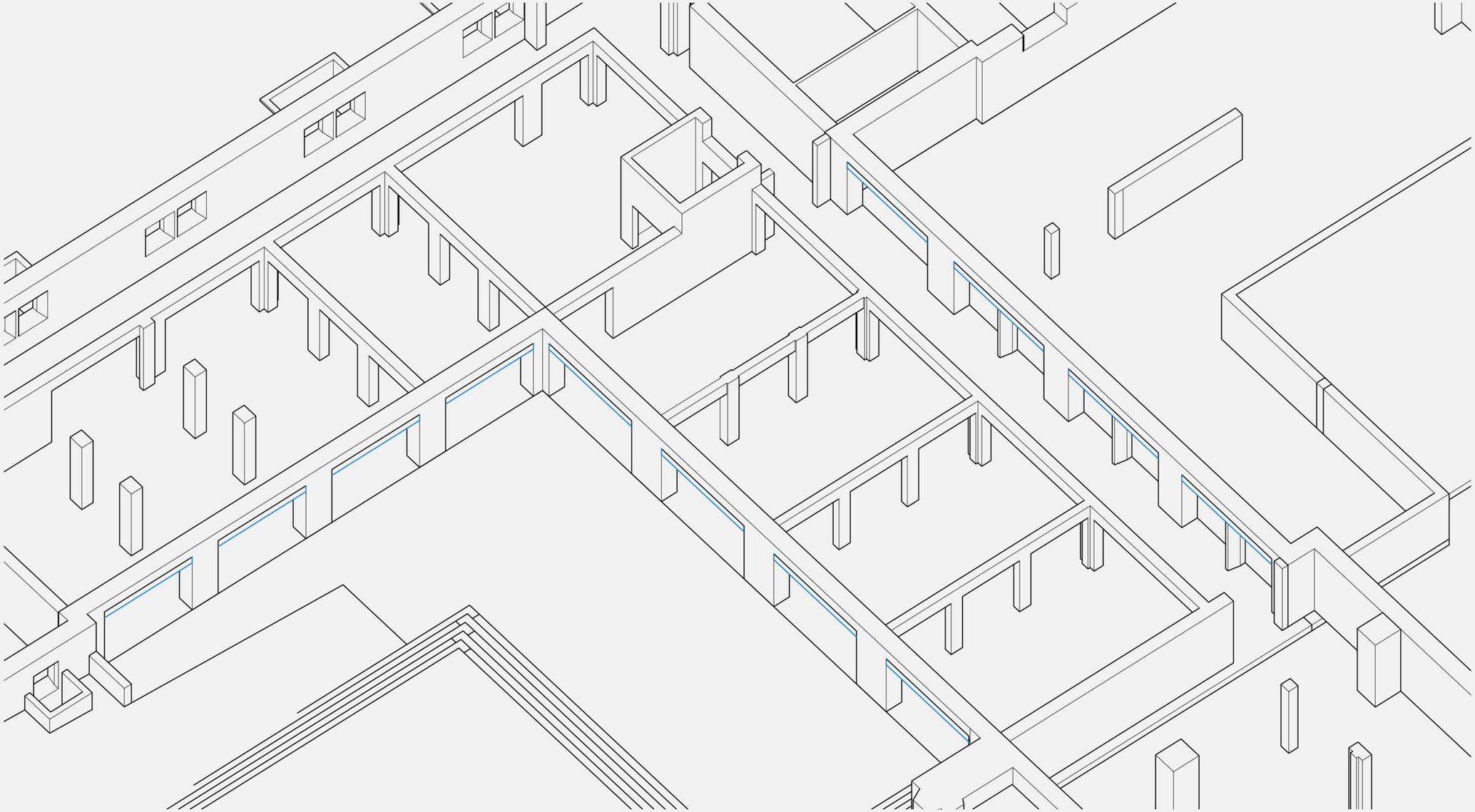
excavating koekoeks



demolishing koekoeks

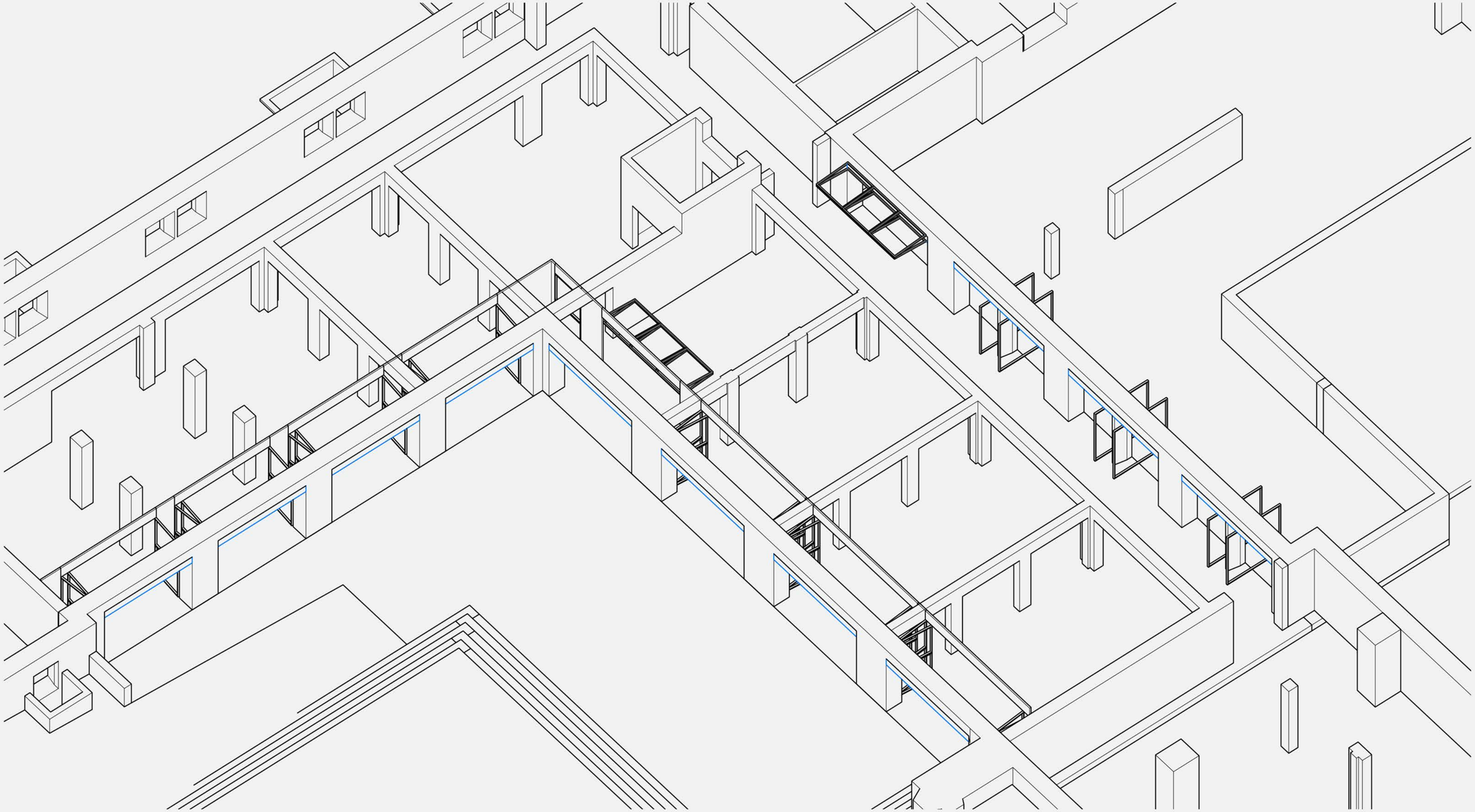


opening facade

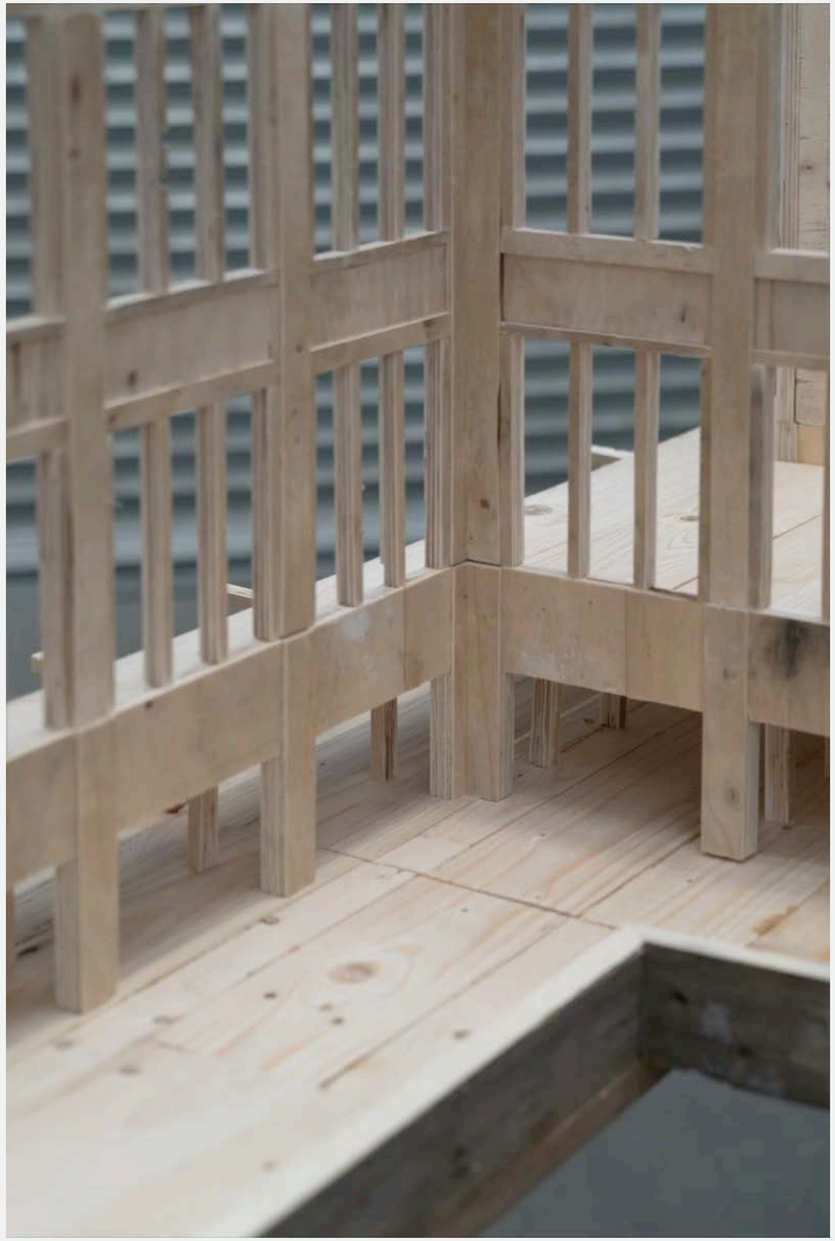


opening floorplan

adding thermal skin

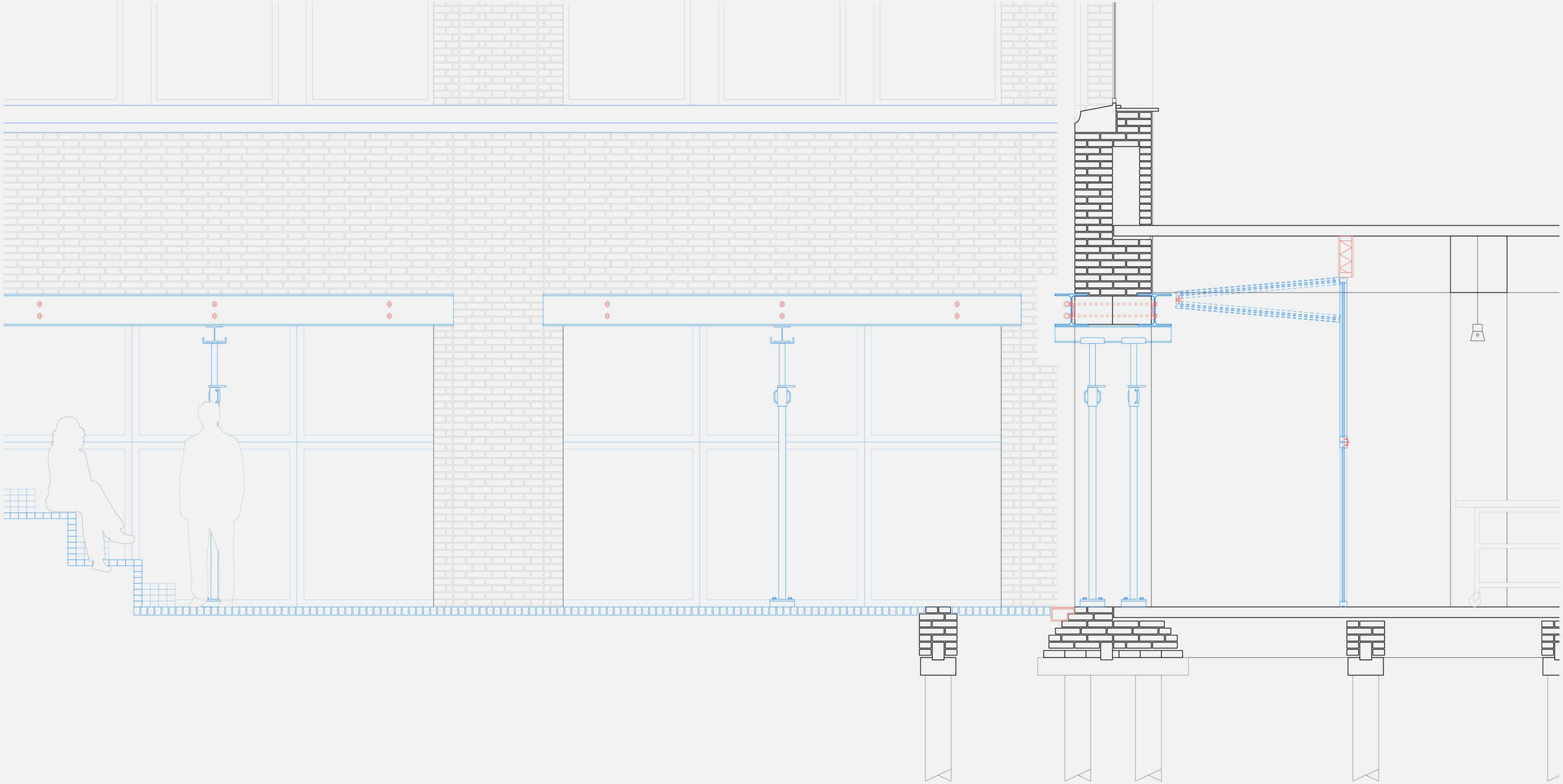


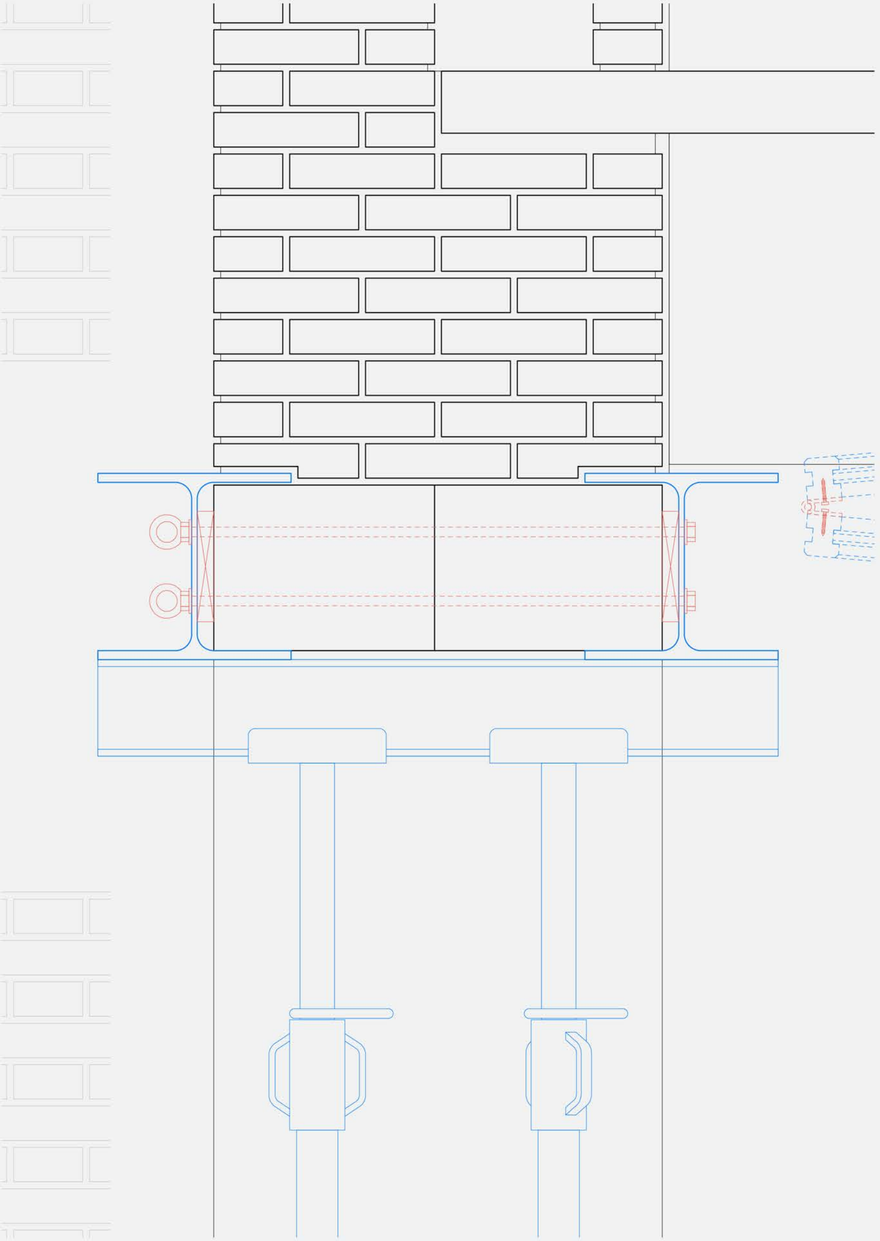
adding thermal skin



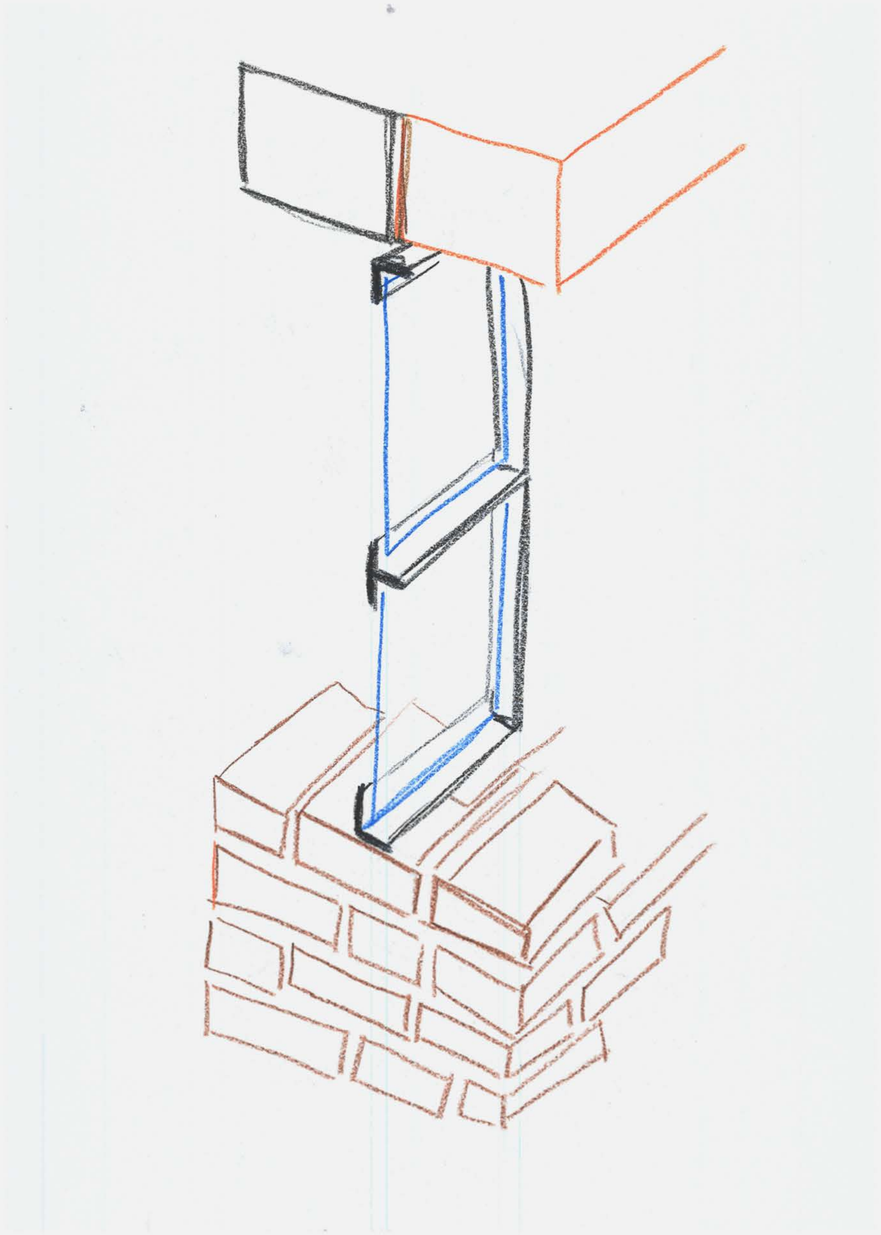
adding activity

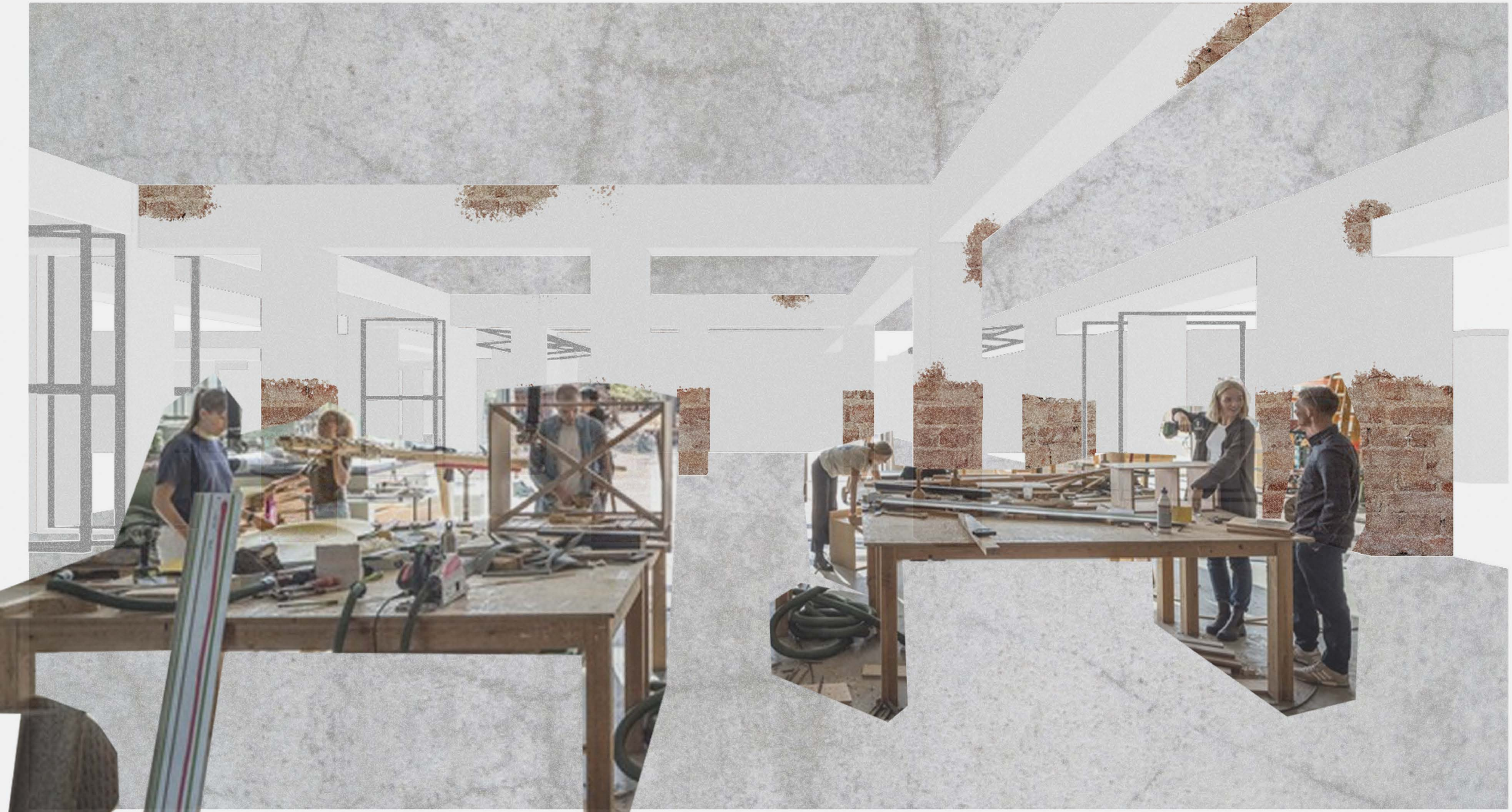
temporary eternity

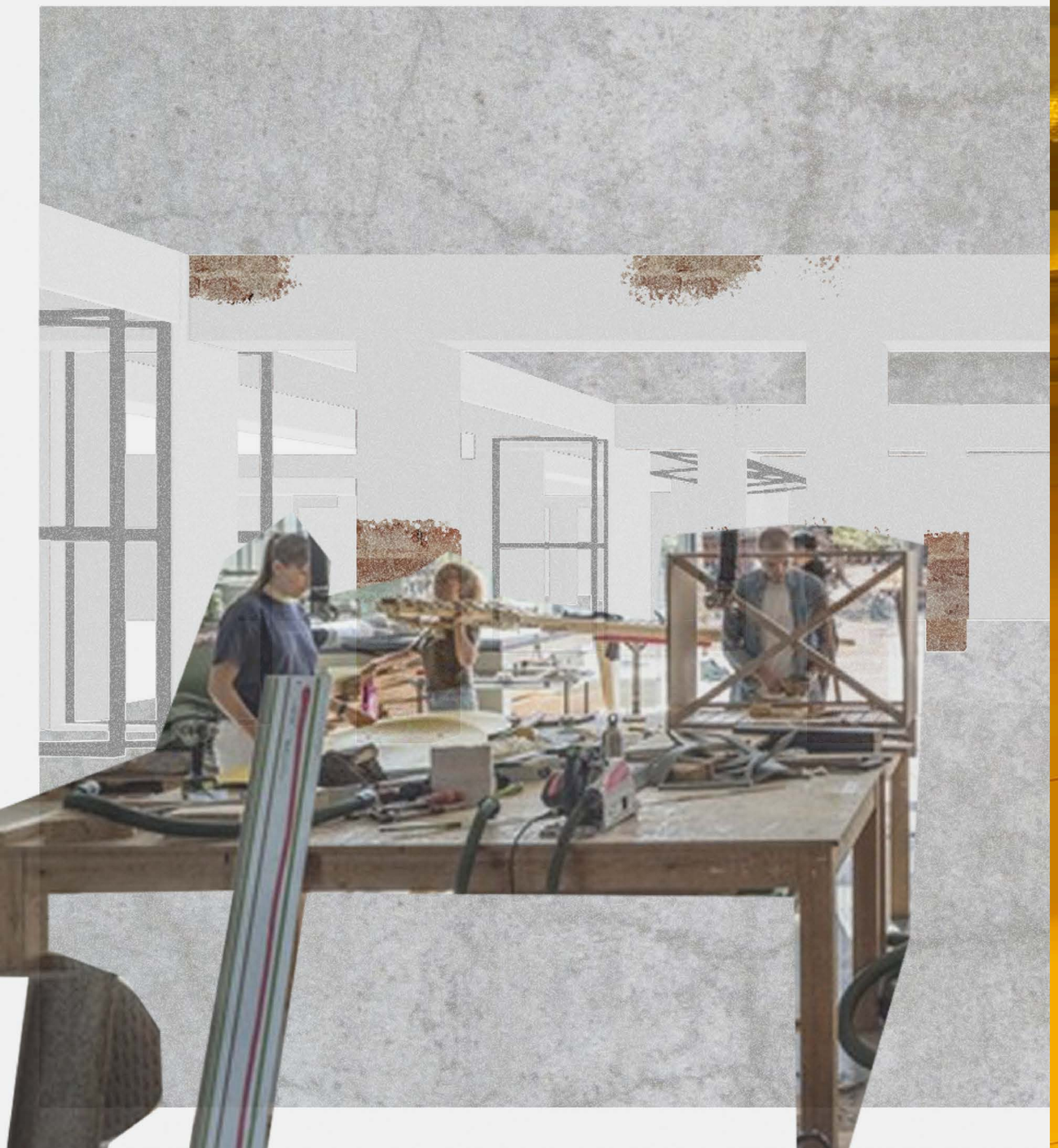


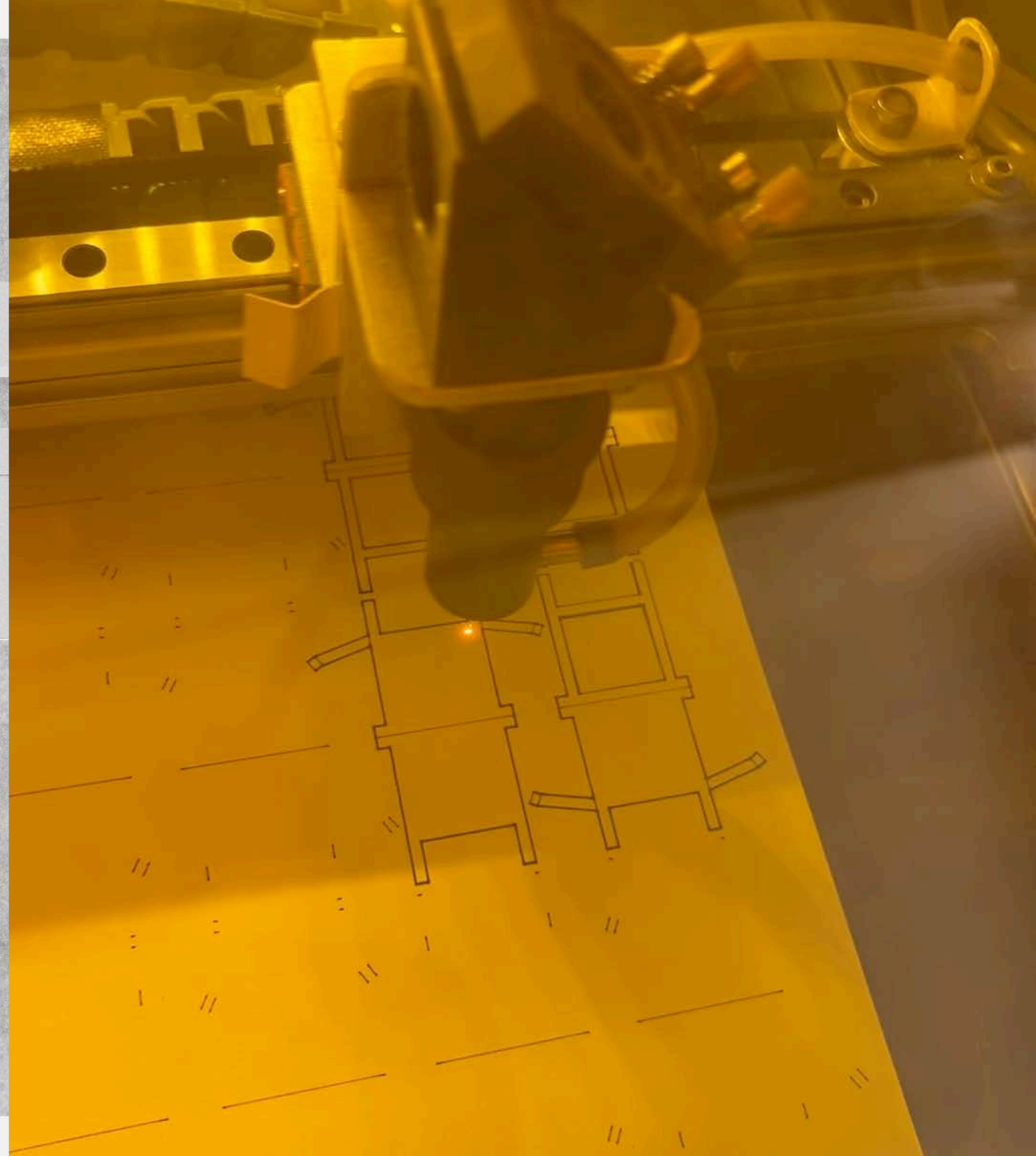


barten verschoor

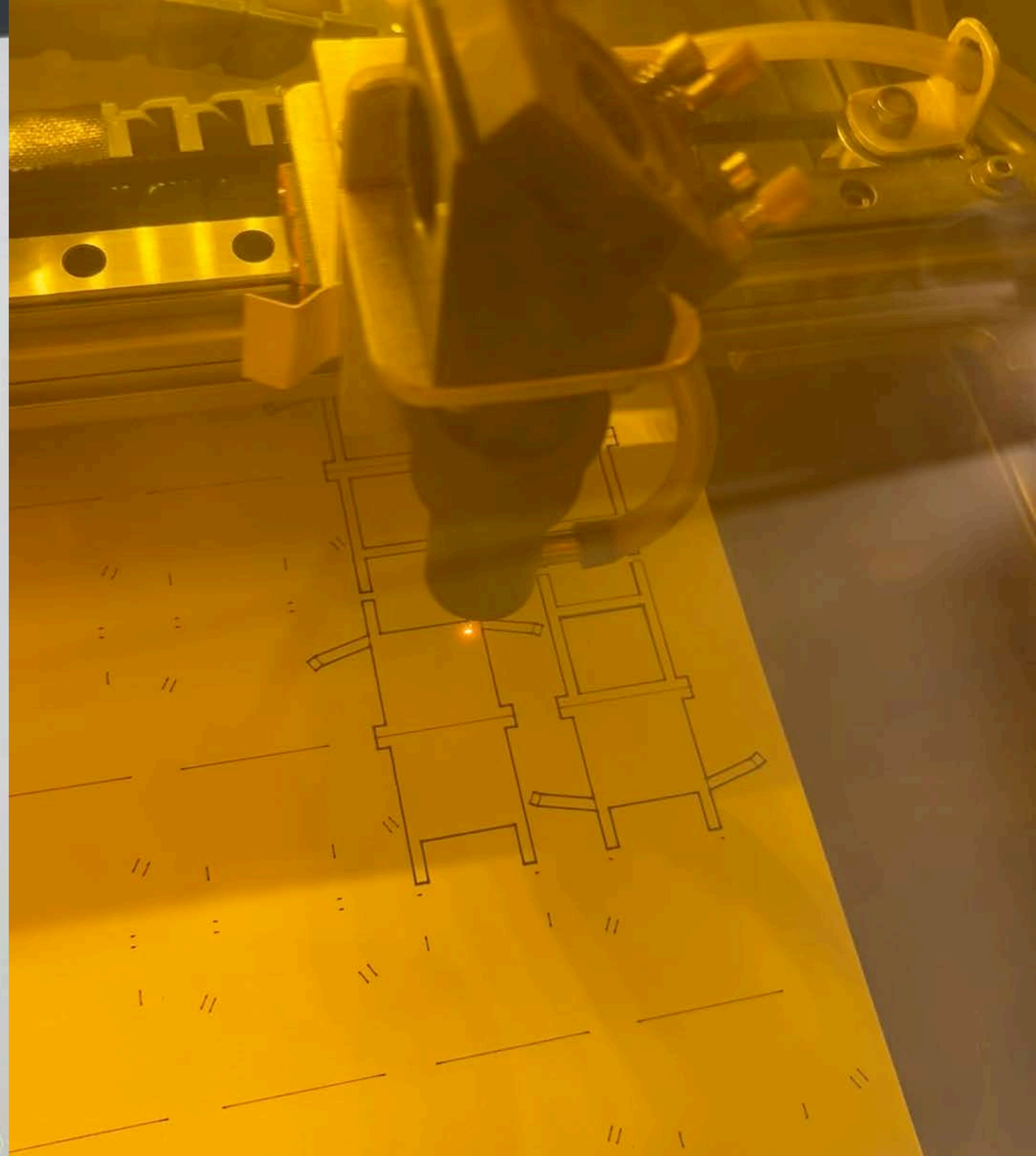








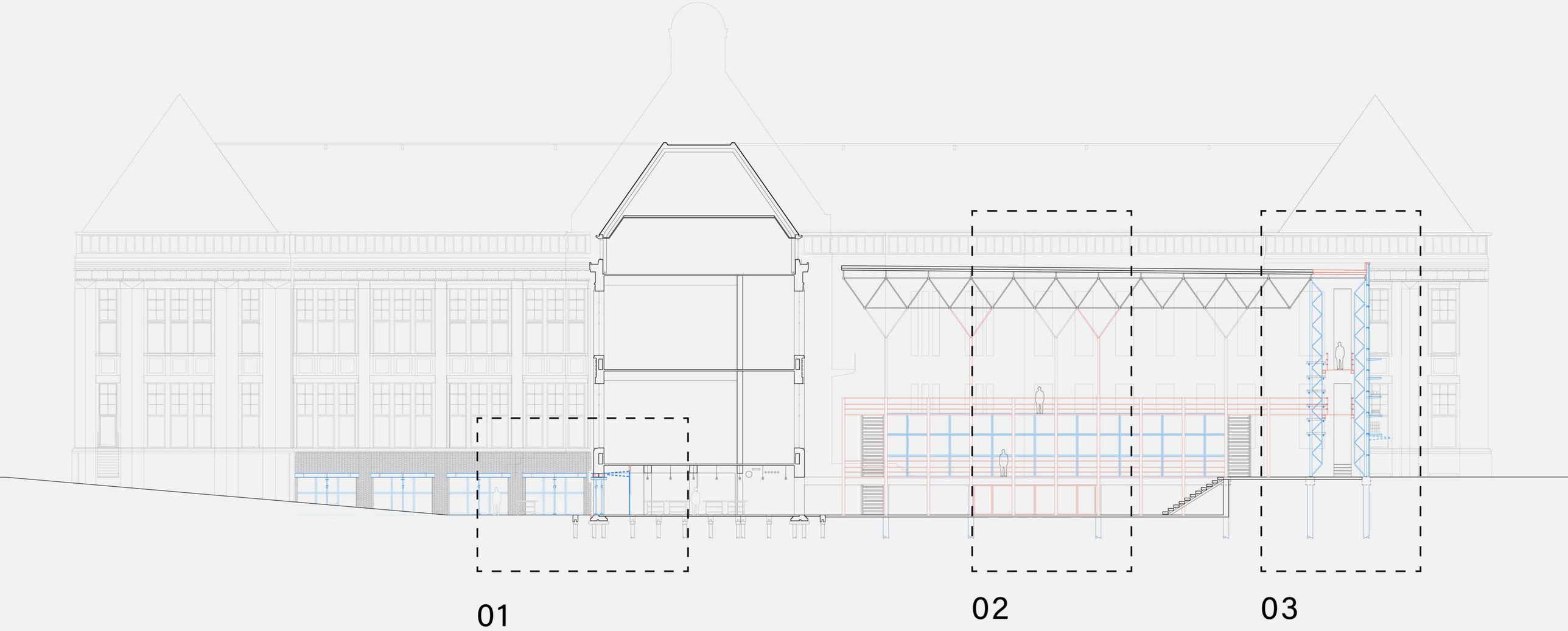

Slicing Result




Slicing Result


KAPEX
FESTOOL

KAPEX
FESTOOL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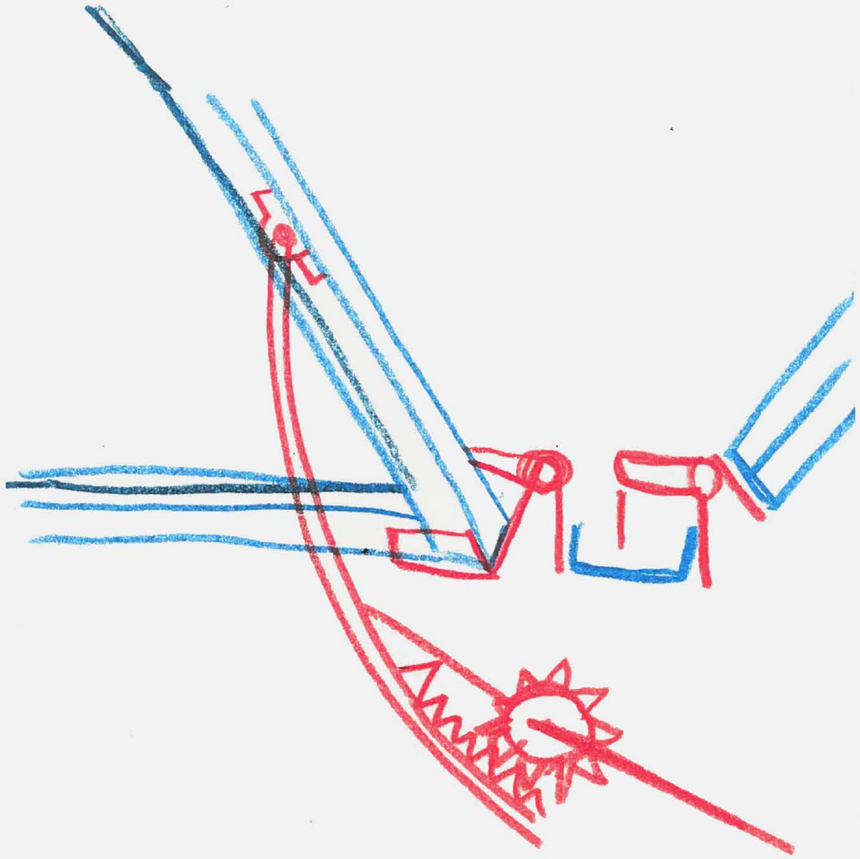
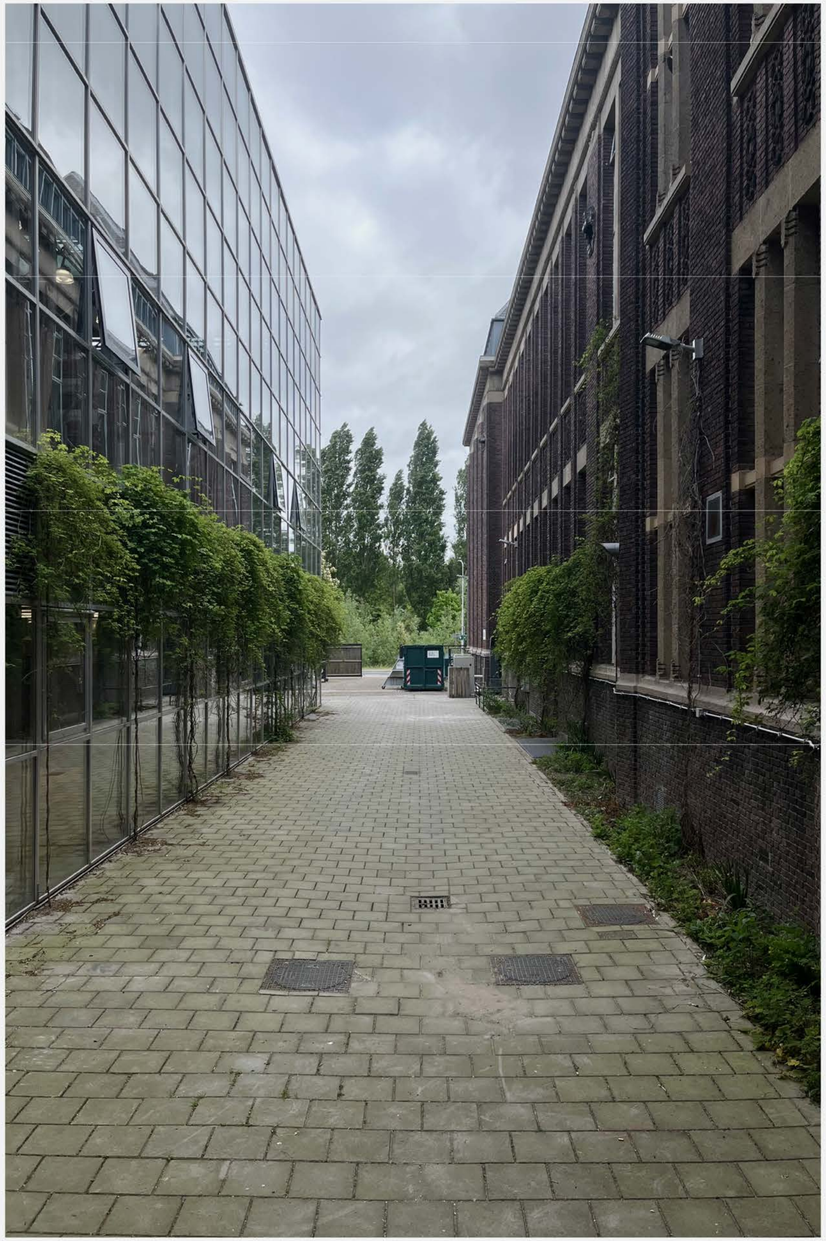
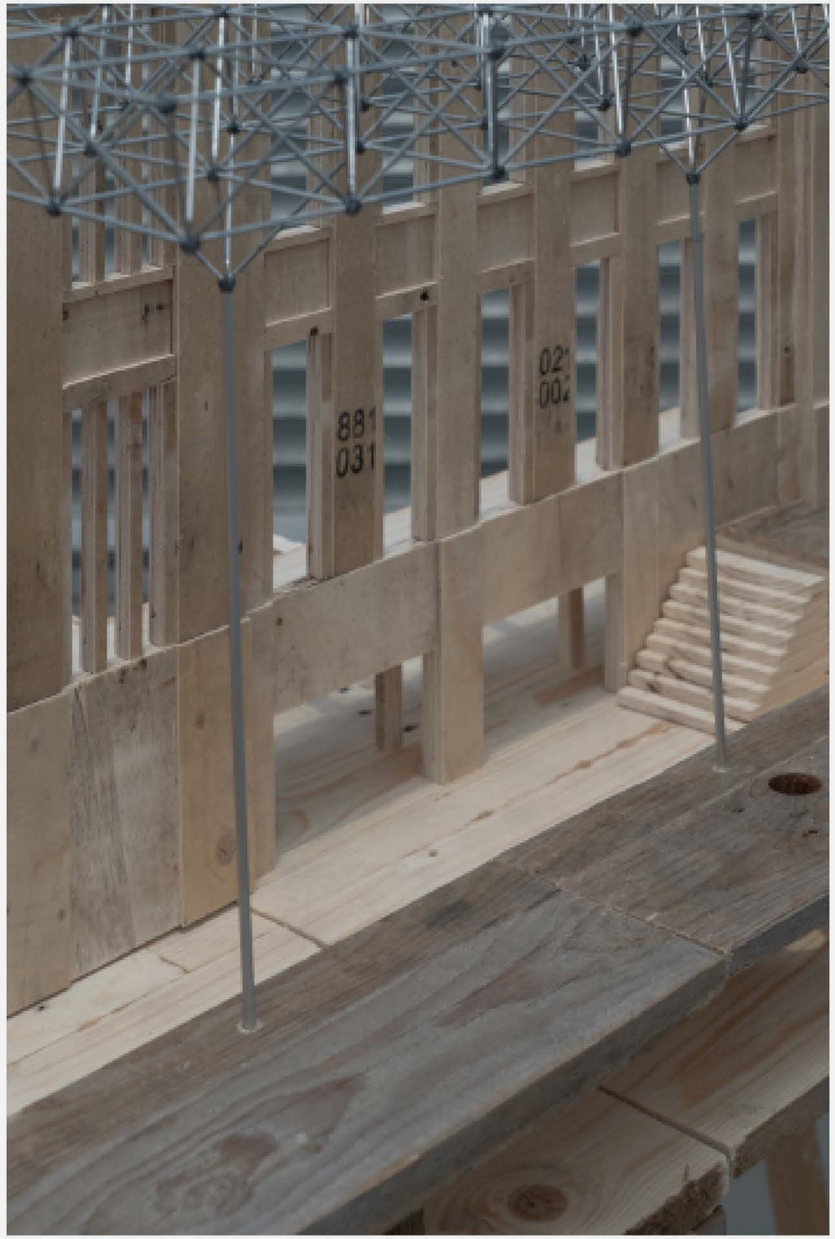
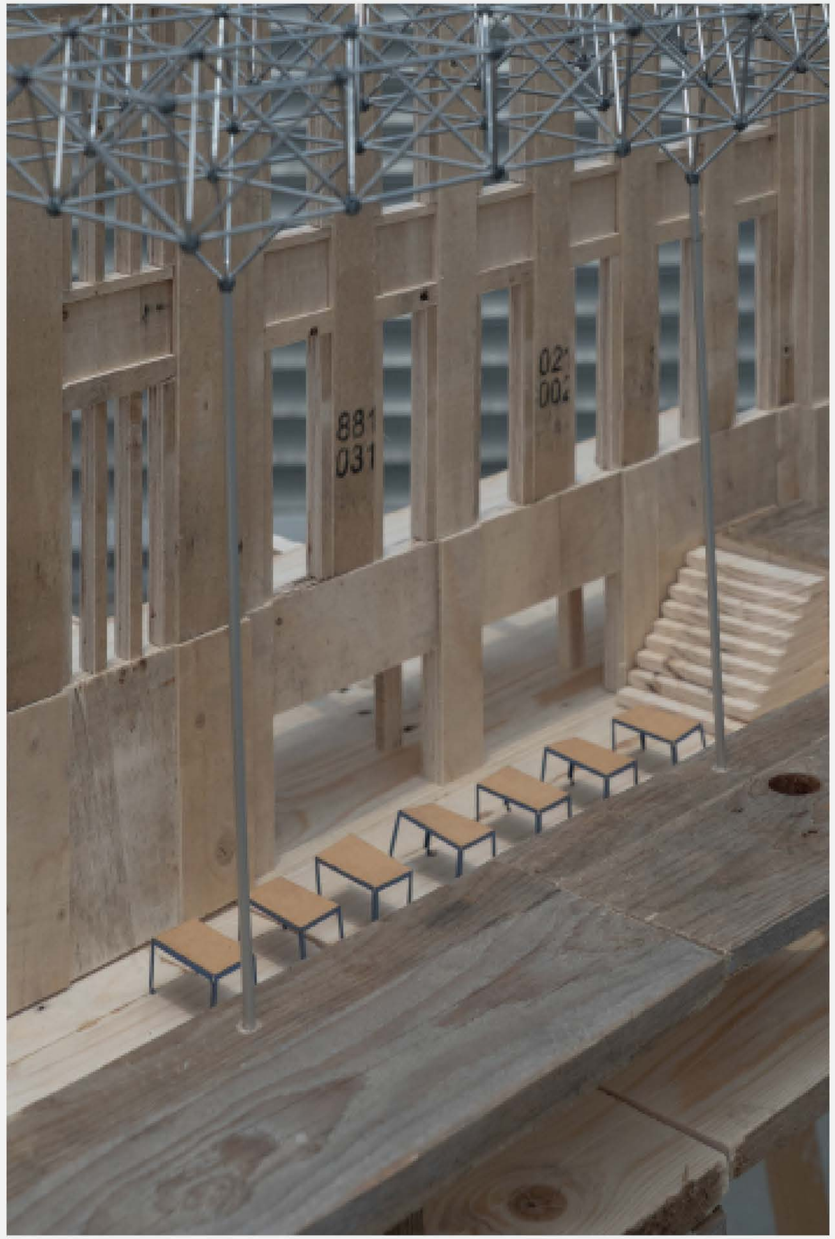


02 how to make outdoor indoor?




881
031


881
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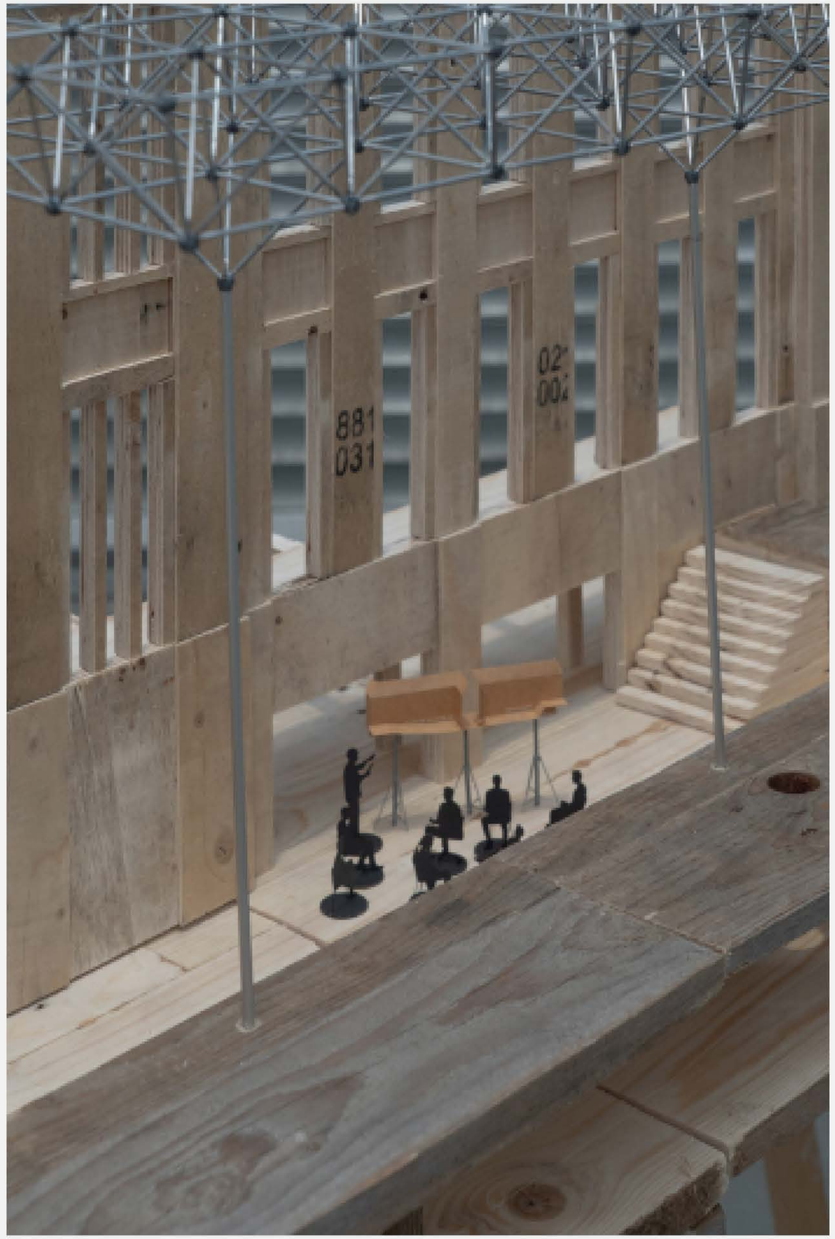
881
031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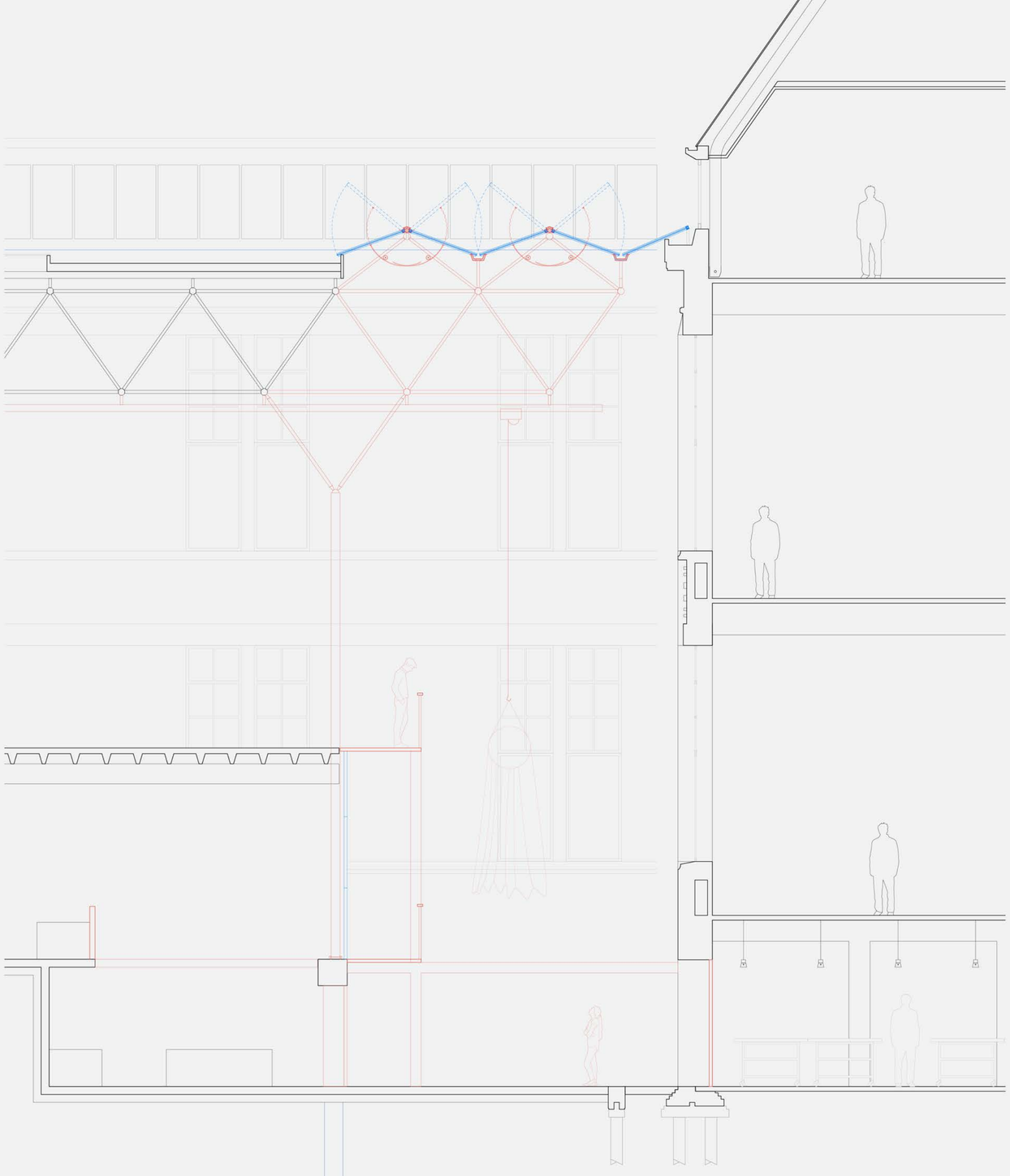
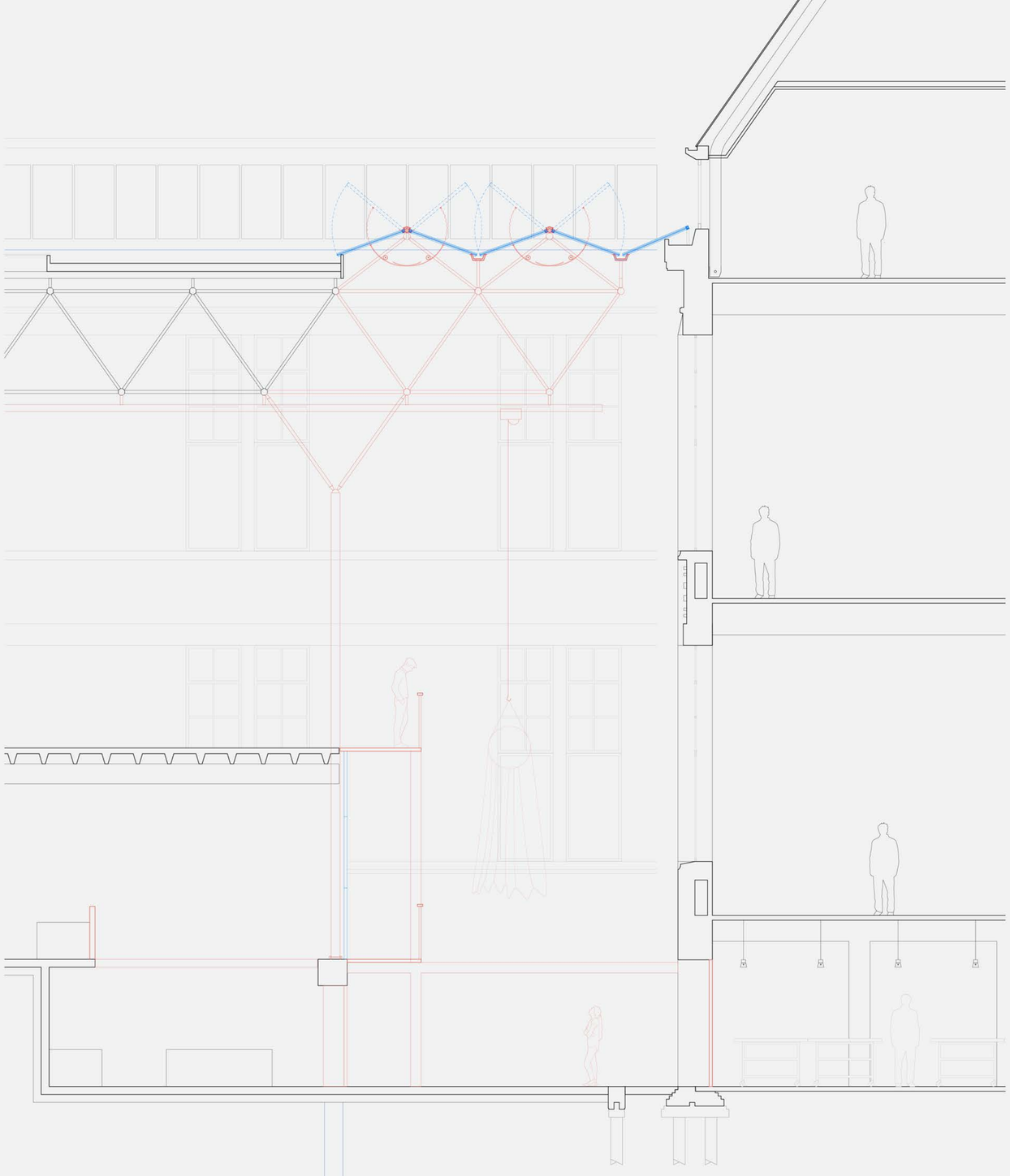
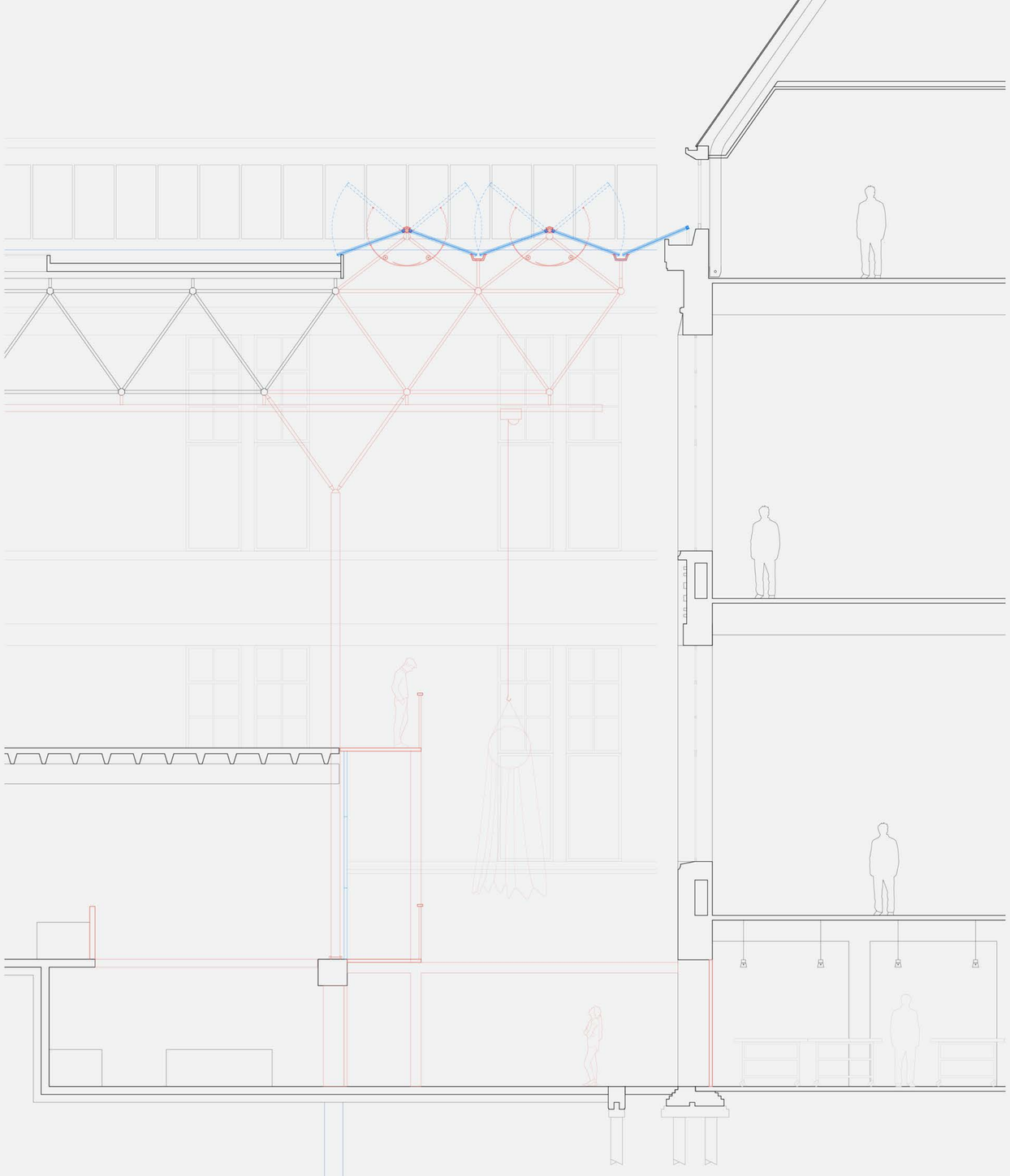
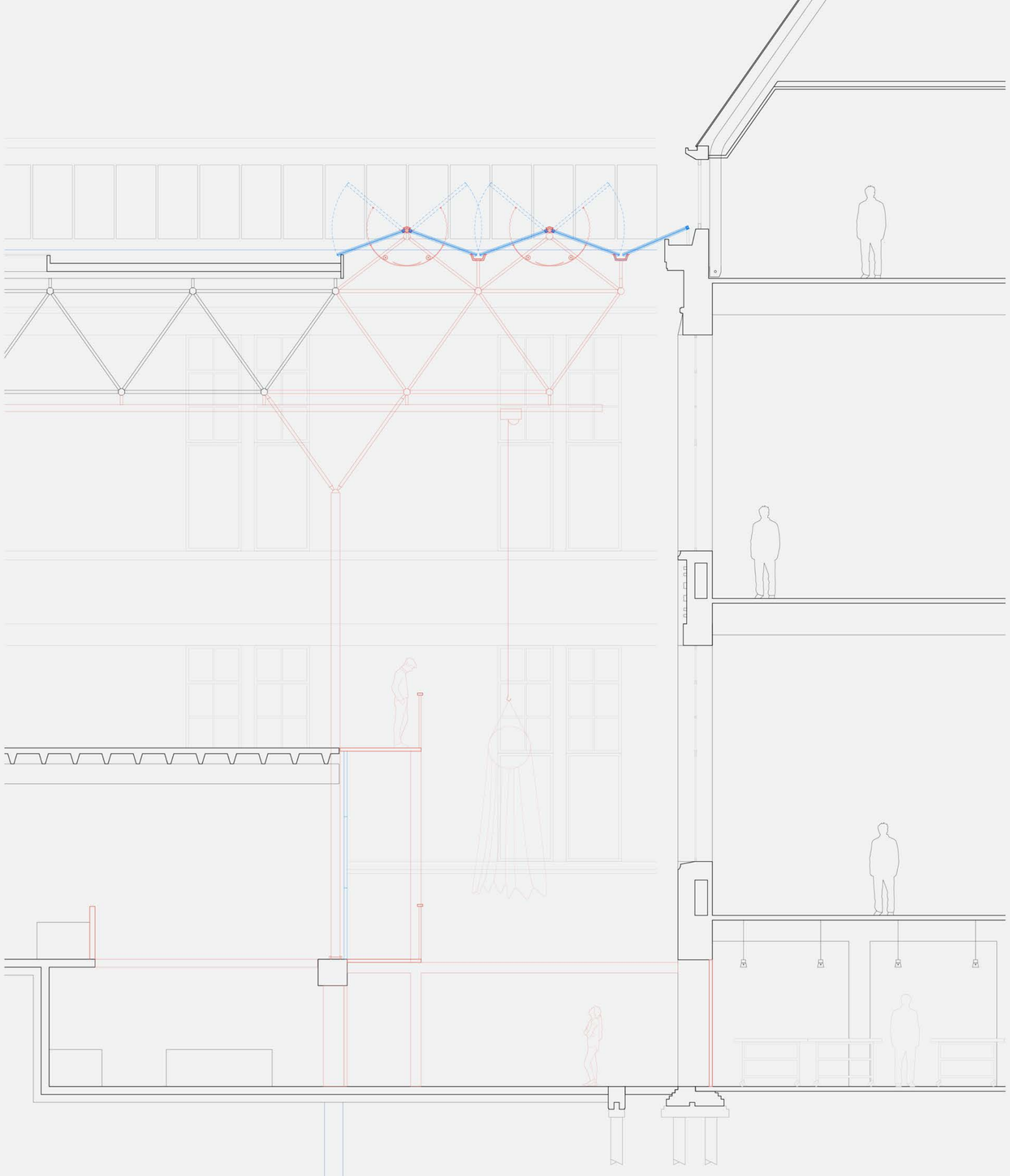


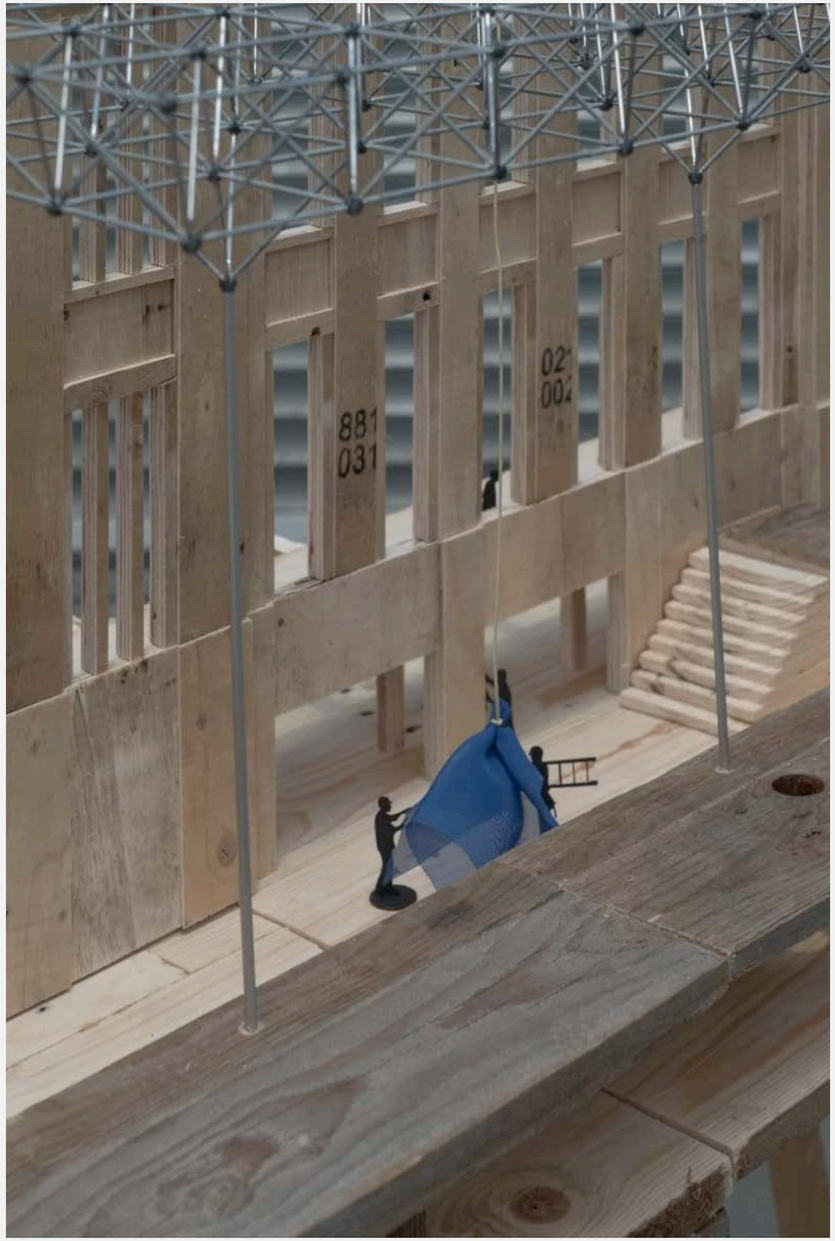


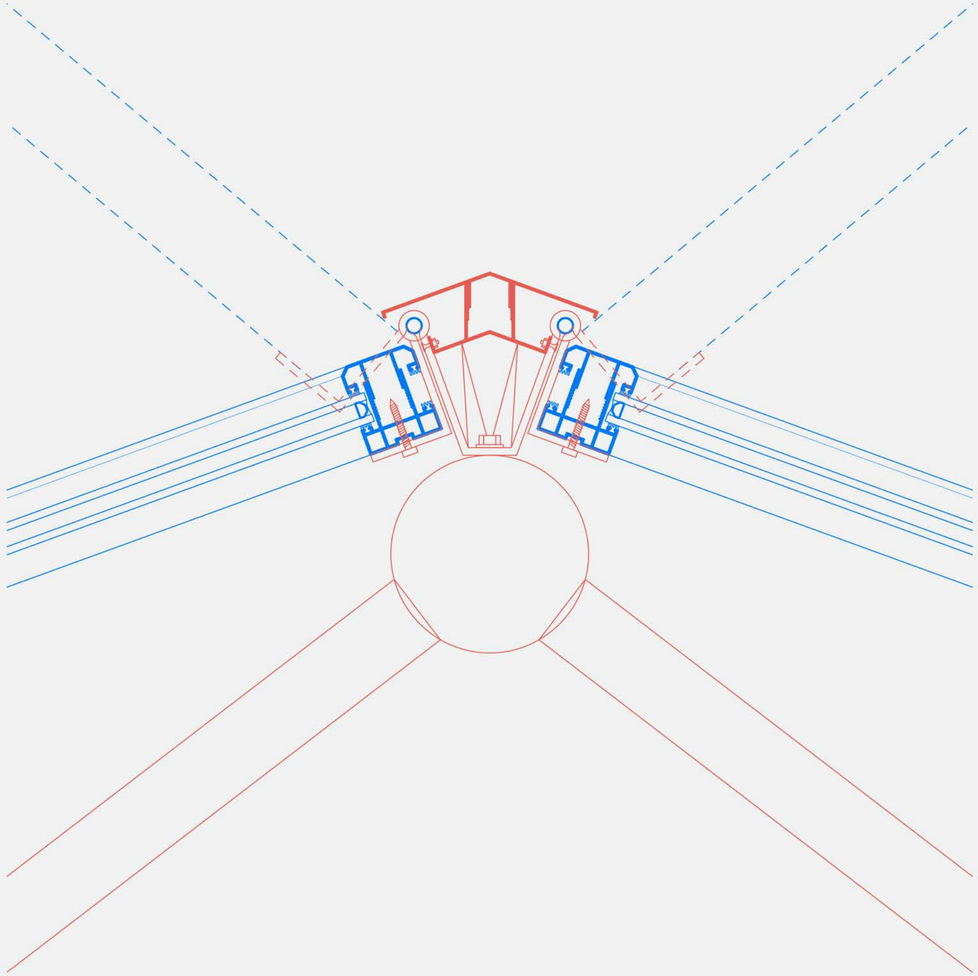


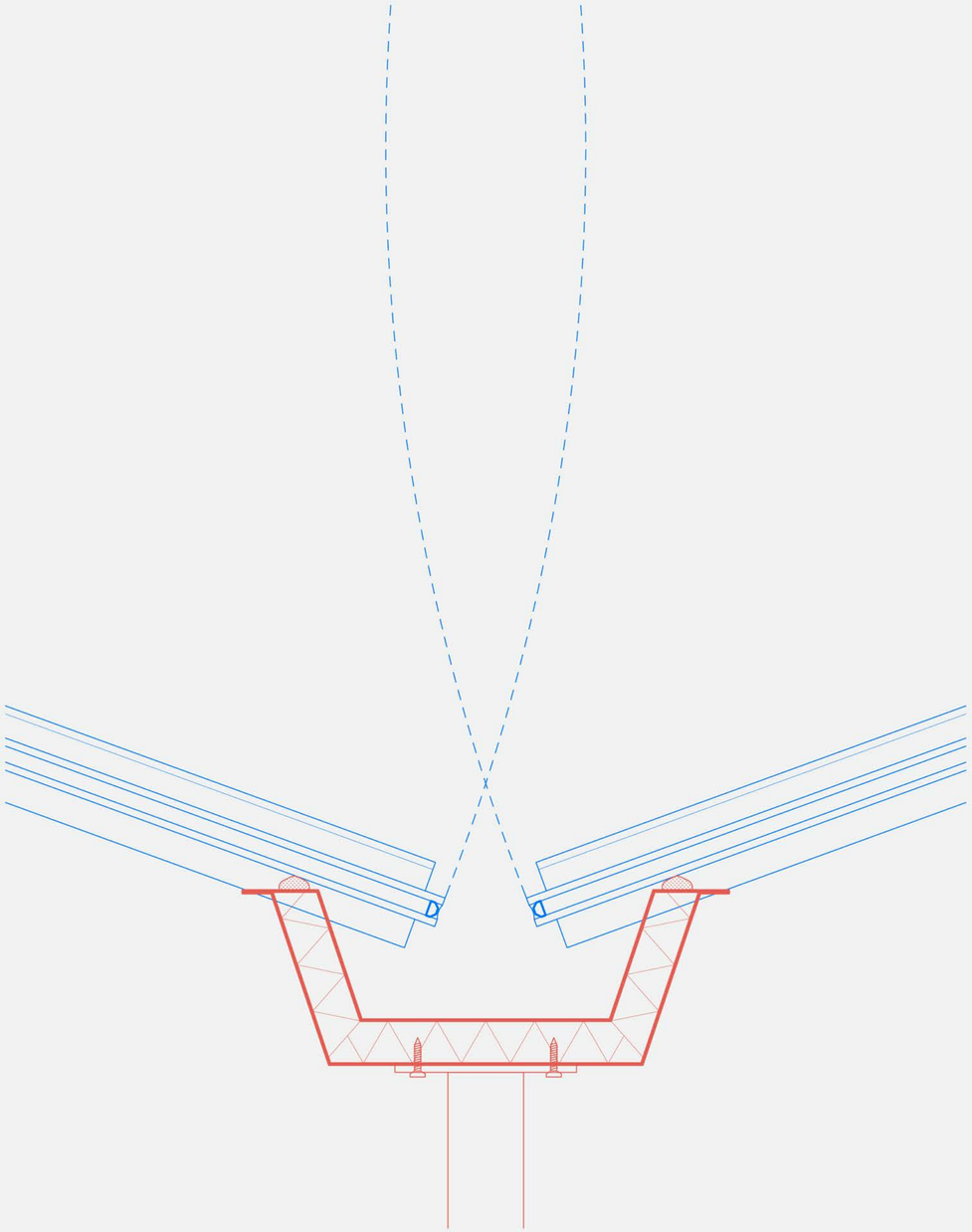
mieke vink

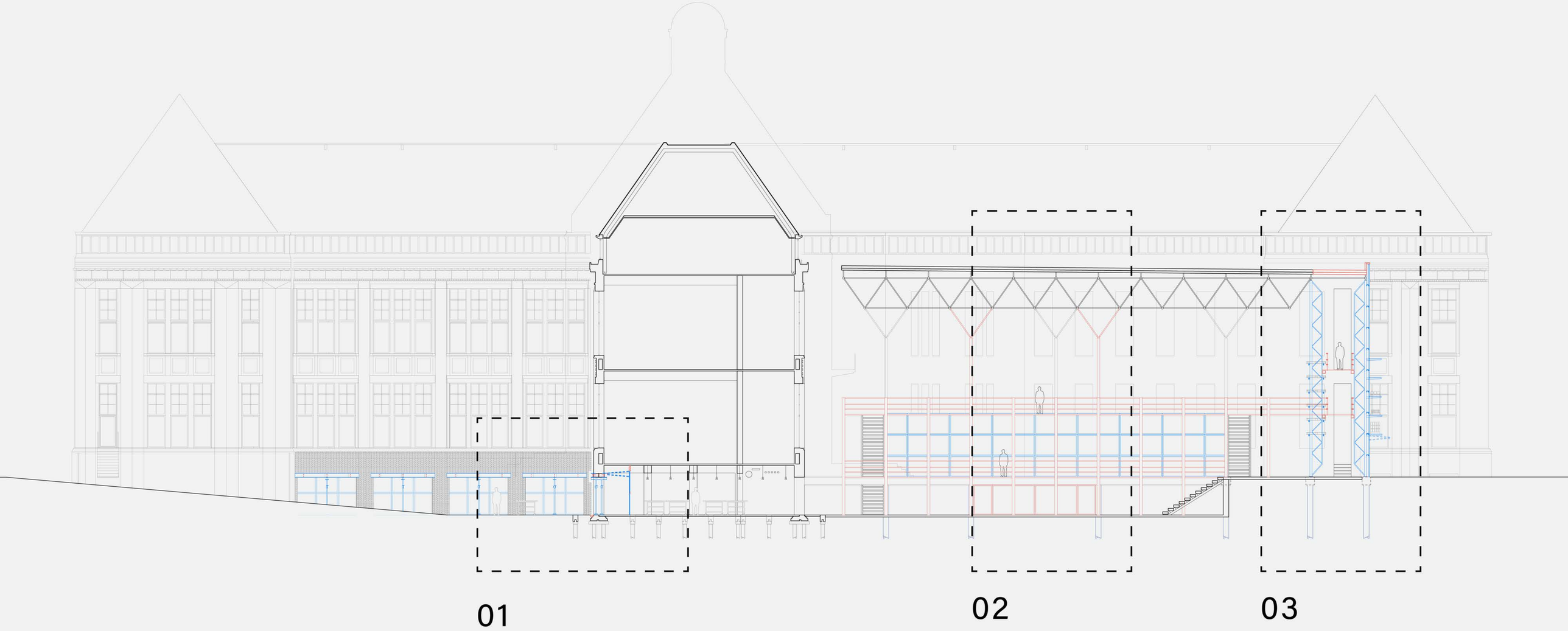


mieke vink





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02
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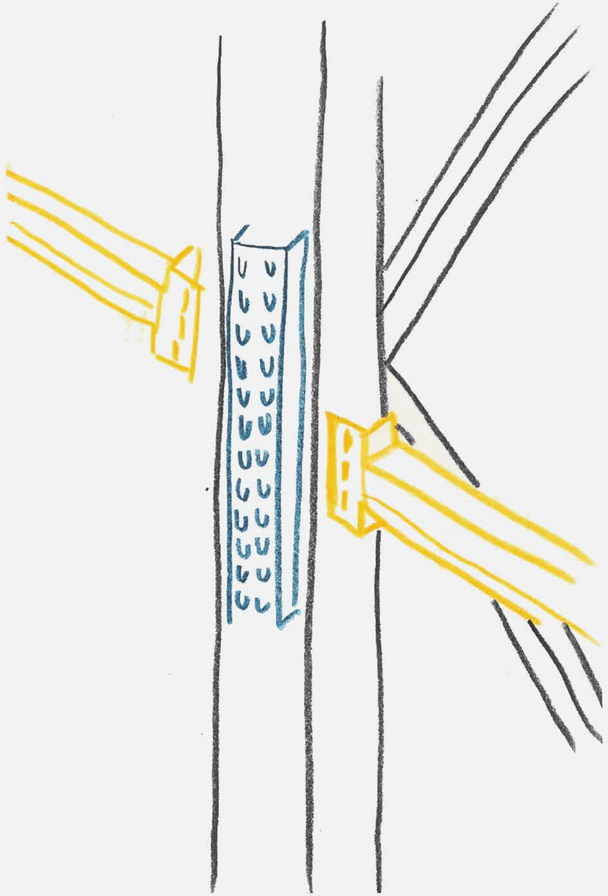
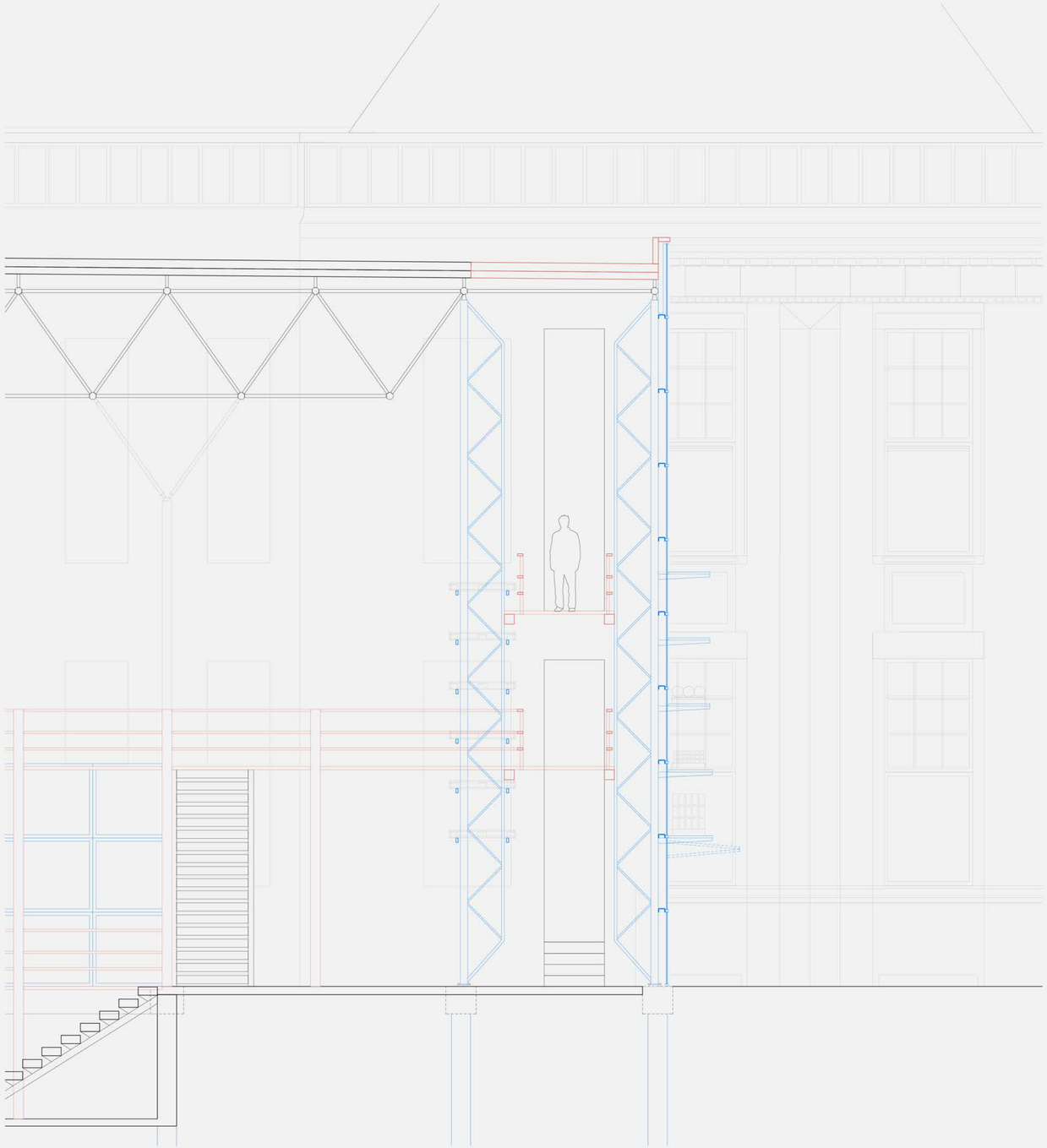
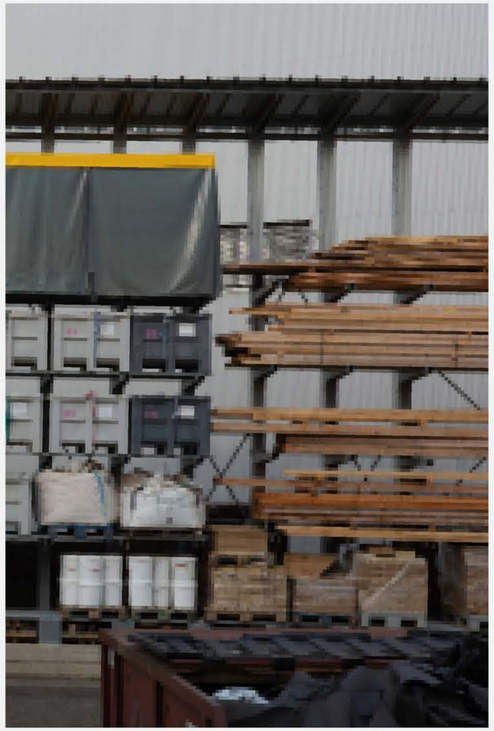
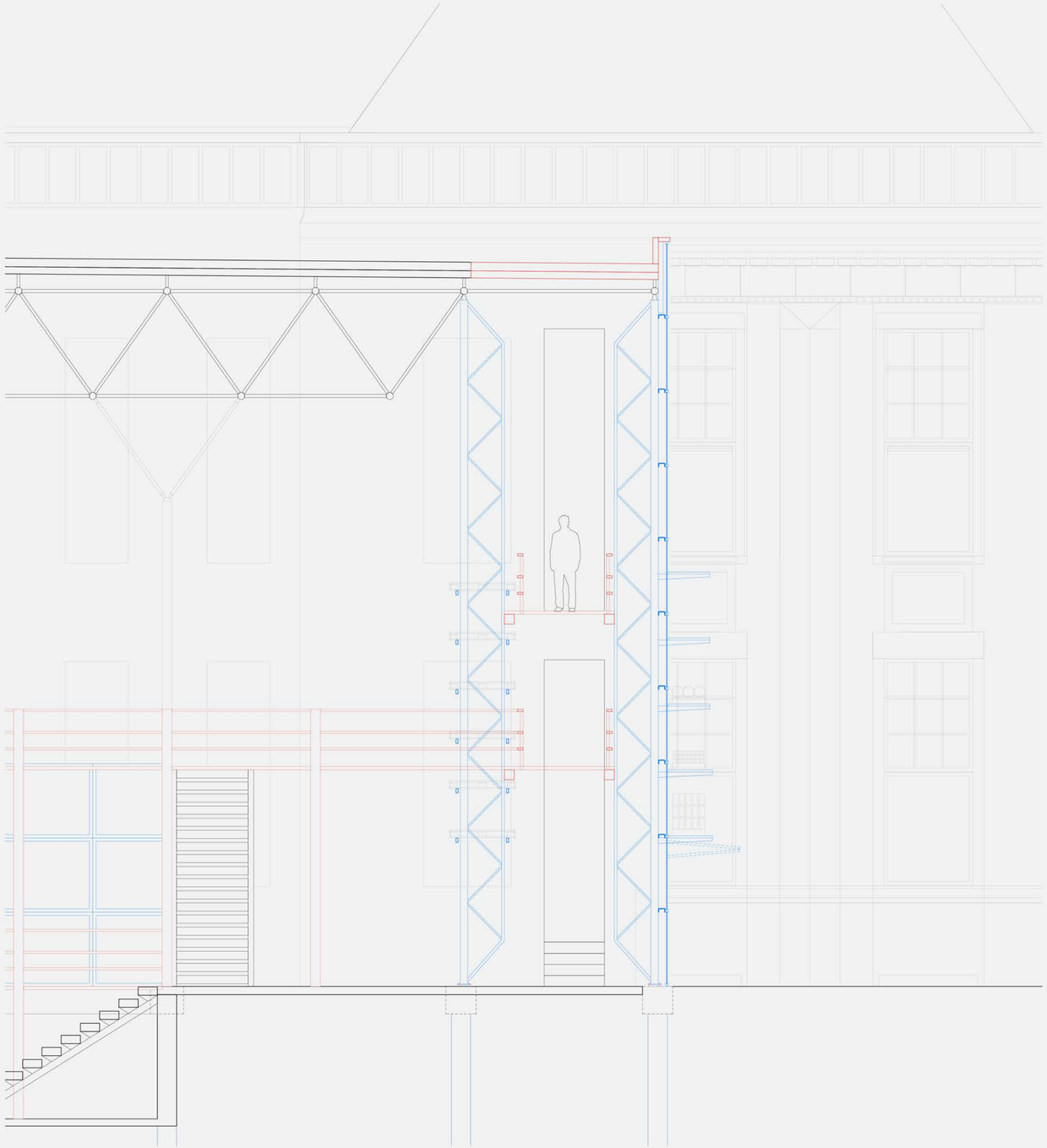
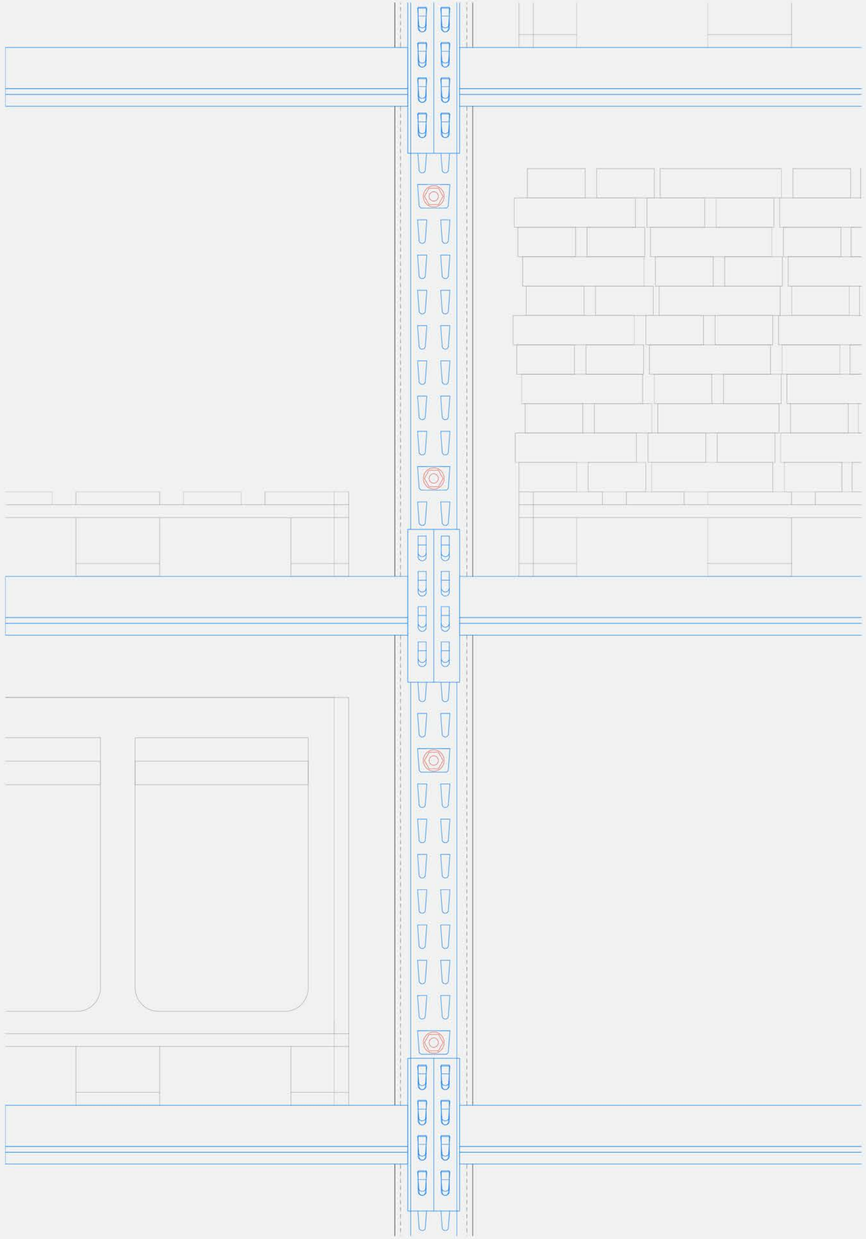


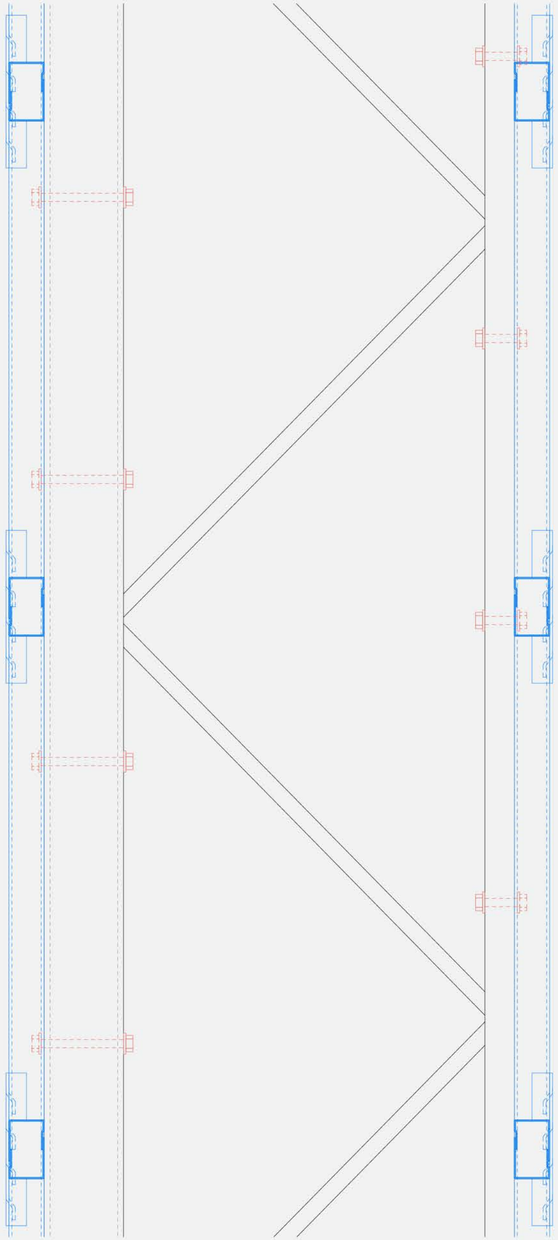
how to make a facade into rack?











marktplaats.nl

Marktplaats Help en info Voorwaarden Veiligheidscentrum Berichten Meldingen Max Bern... Plaats advertentie

Alle categorieën... 3024BL Alle afstanden... Zoek

Home > Zakelijke goederen > Kantoor en Winkelinrichting | Magazijn, Stelling en Opslag > Advertentie a1512839851

NEDCON Palletstelling / stelling (270cm hoog)

Bewaard

303 7 sinds 16 apr. '25, 21:45

Grote foto's

€ 875,00

Deel via of Kopieer link

Beschrijving

Meer voorraad beschikbaar. Voor een andere samenstelling, stuur ons een bericht.
Set:
8x staander 2700x1100mm
28x ligger 3600mm
Merk: Nedcon
Aantal secties: 7
Aantal niveaus: 2
Hoogte: 2700mm

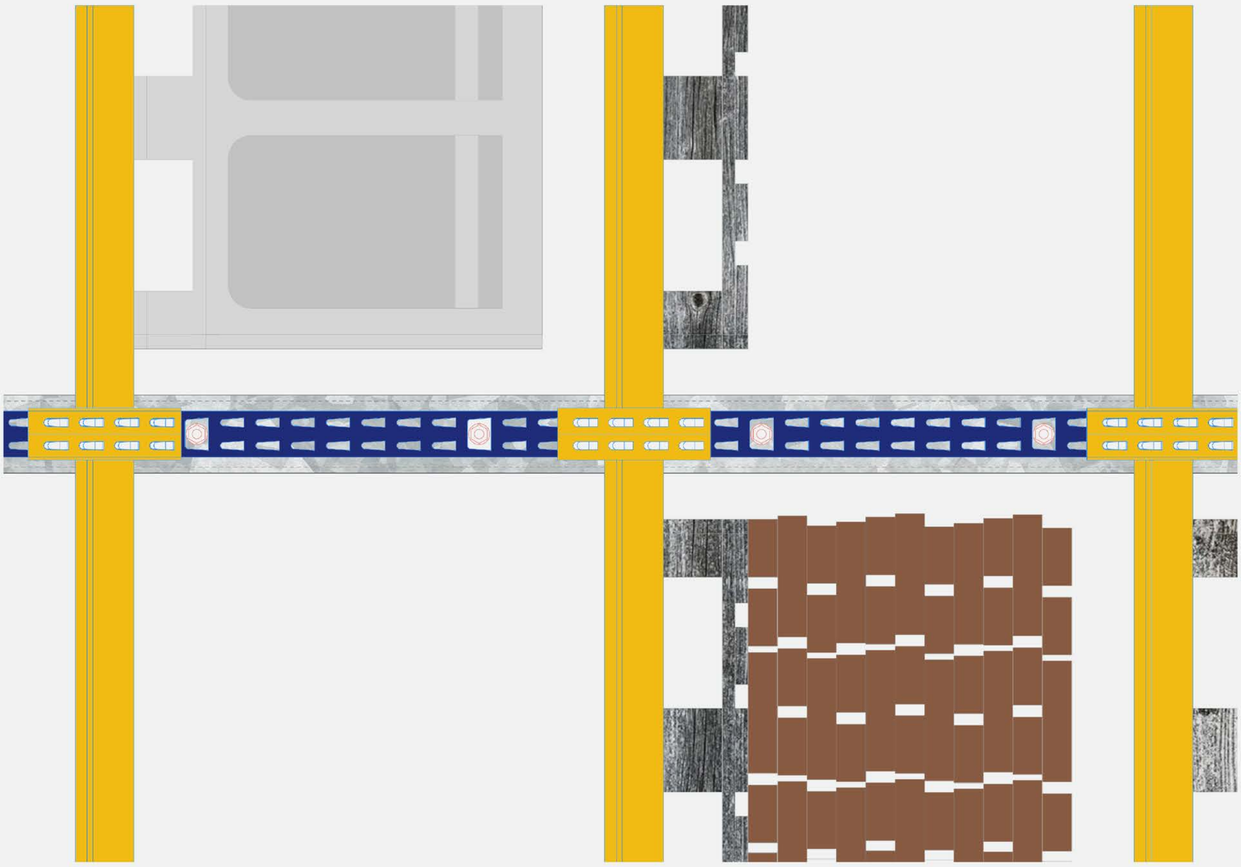
FACommece
11½ jaar actief op Marktplaats
Bekijk meer advertenties
45 ervaringen
Zakelijke verkoper

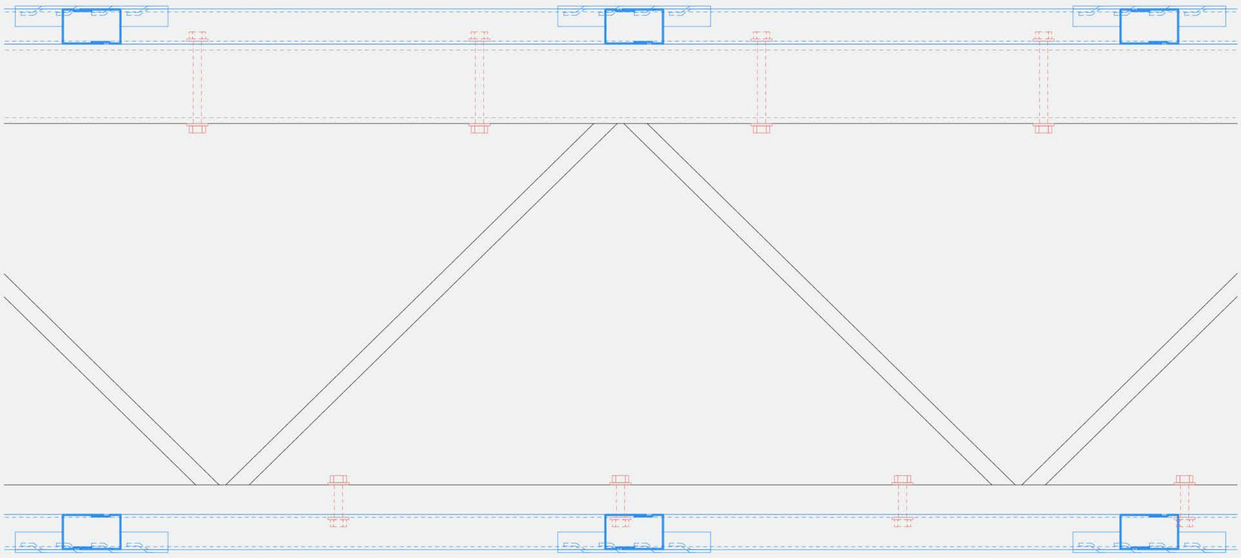
Bankrekening gecontroleerd
ID gecontroleerd
Betalen met iDEAL

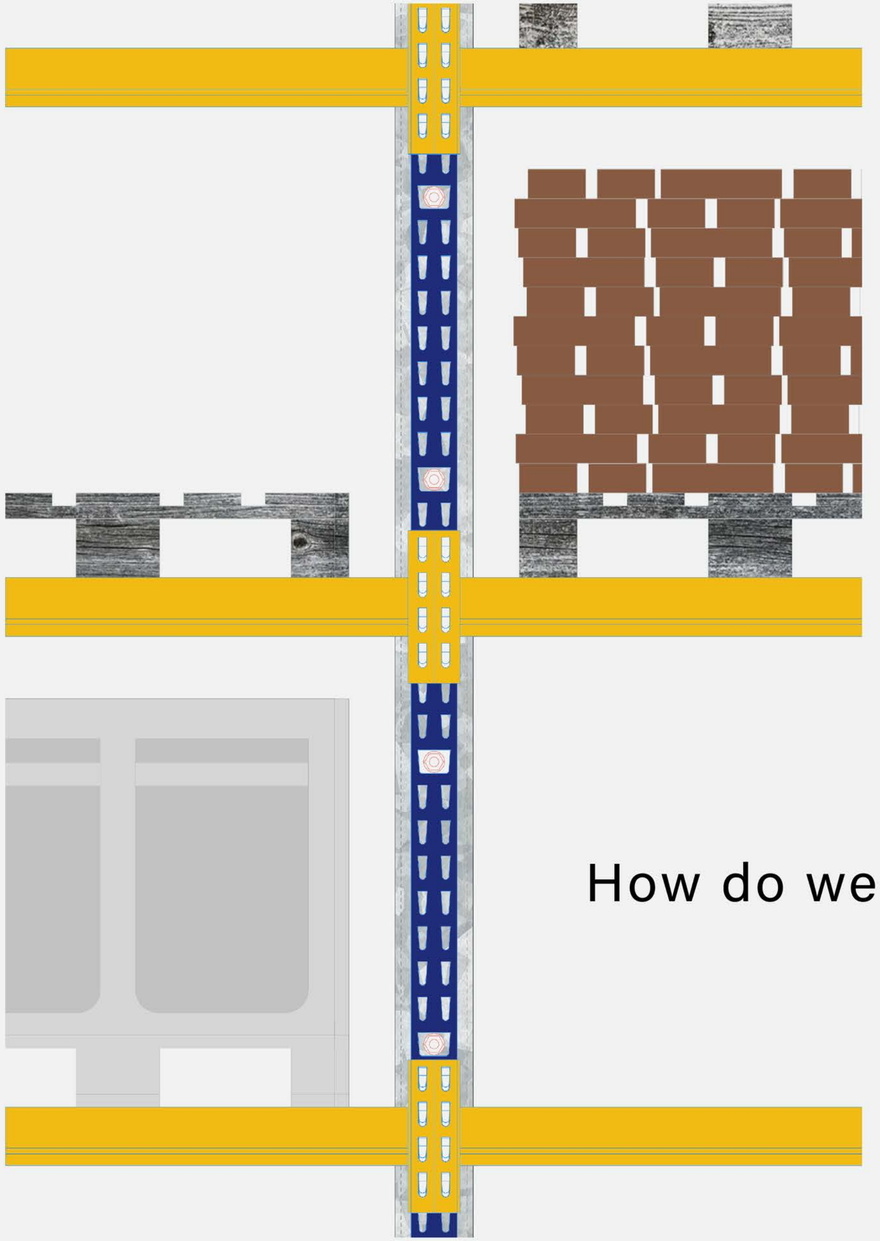
Siebengewald

Beantwoordt 77% van de berichten, meestal binnen 2 dagen

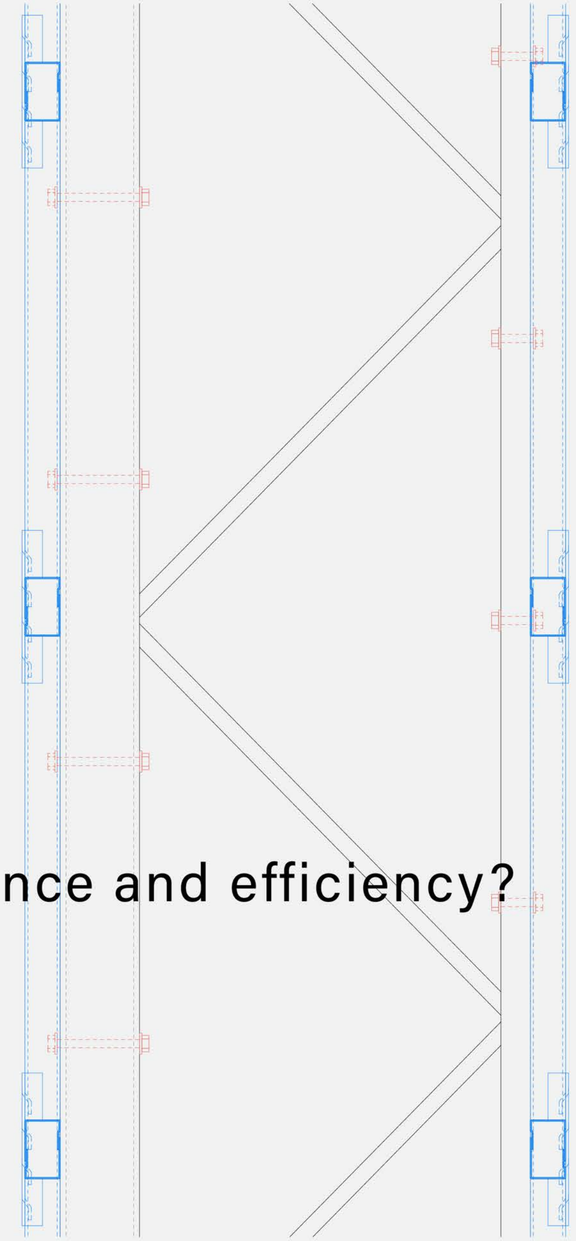
Toon nummer

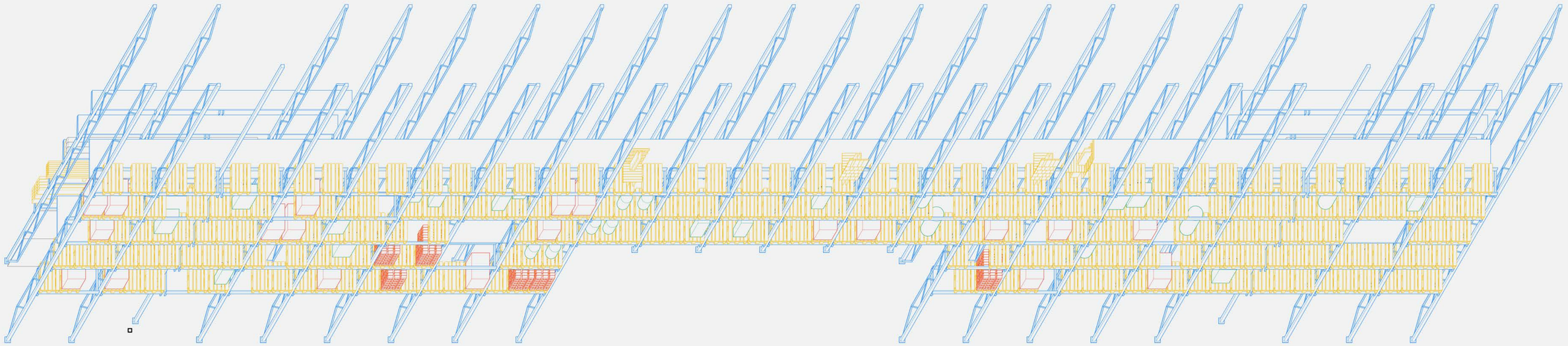


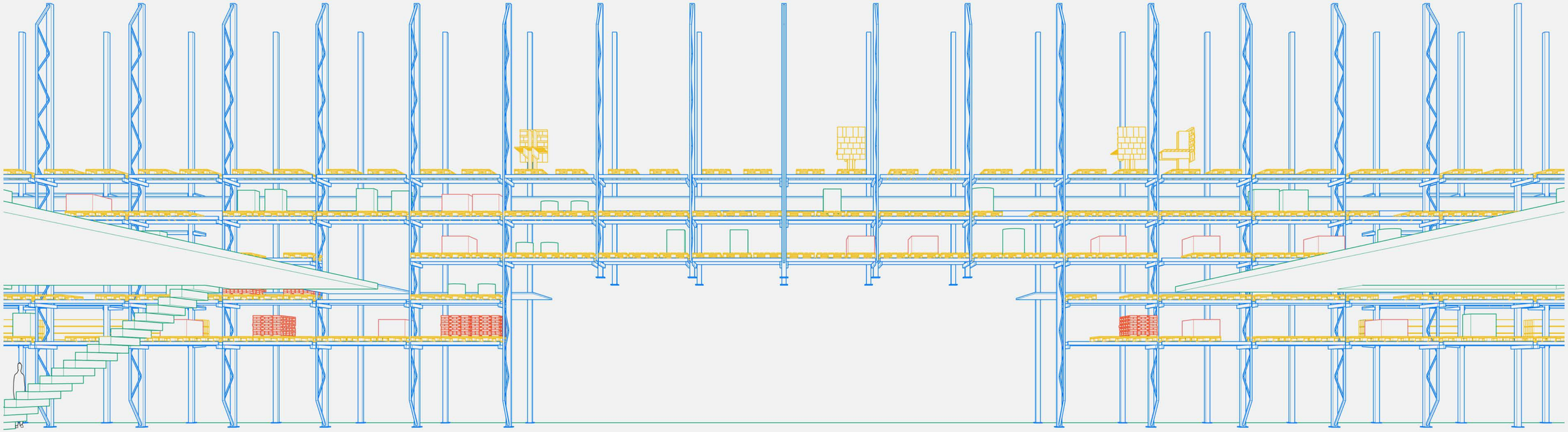


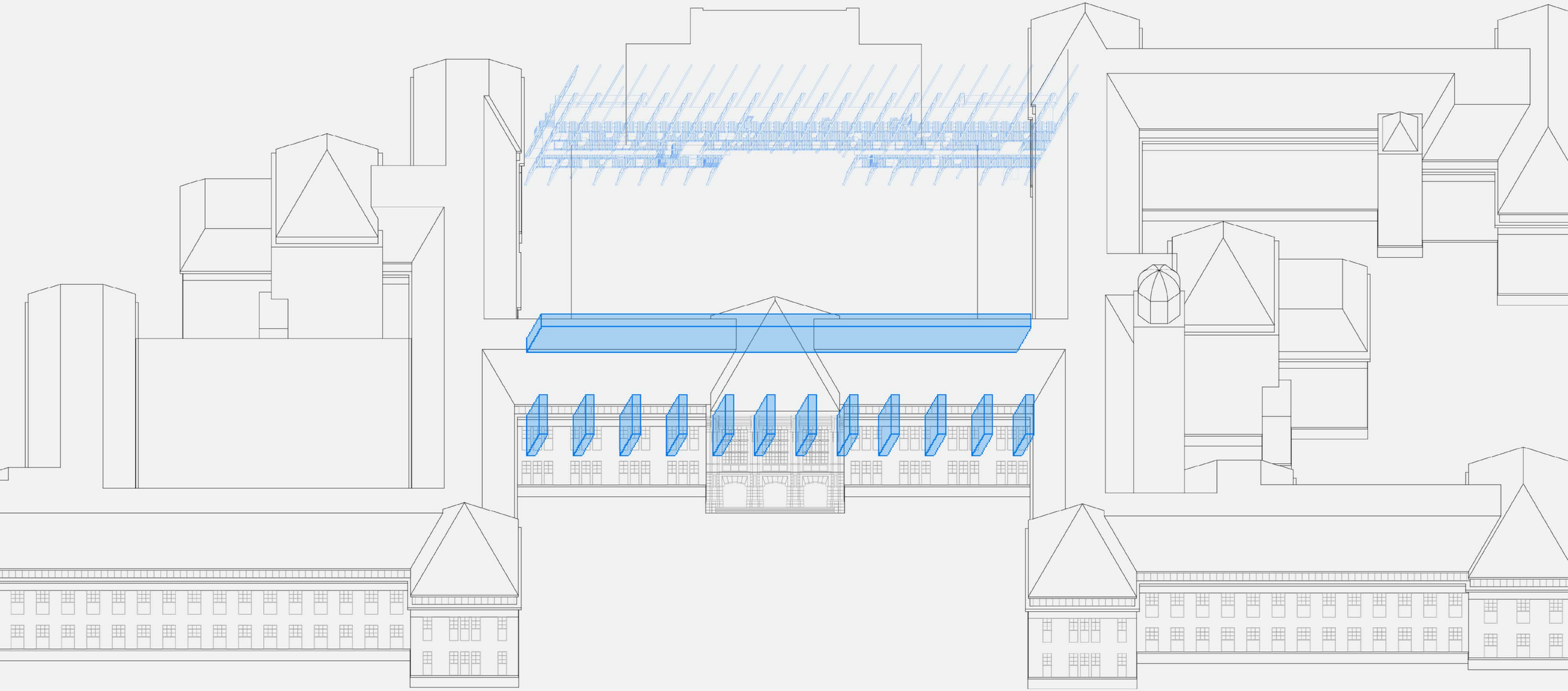


How do we balance abundance and efficiency?

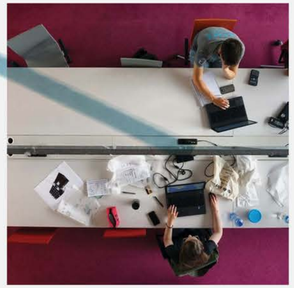




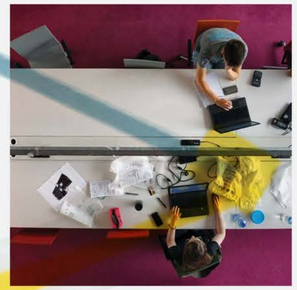




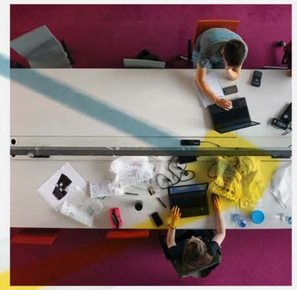
the classroom



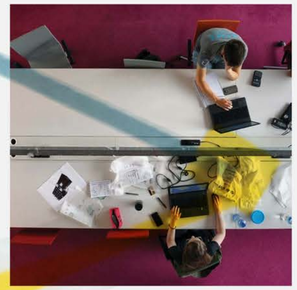
the atelier



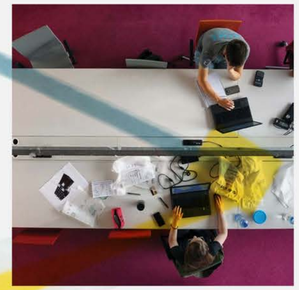
the field



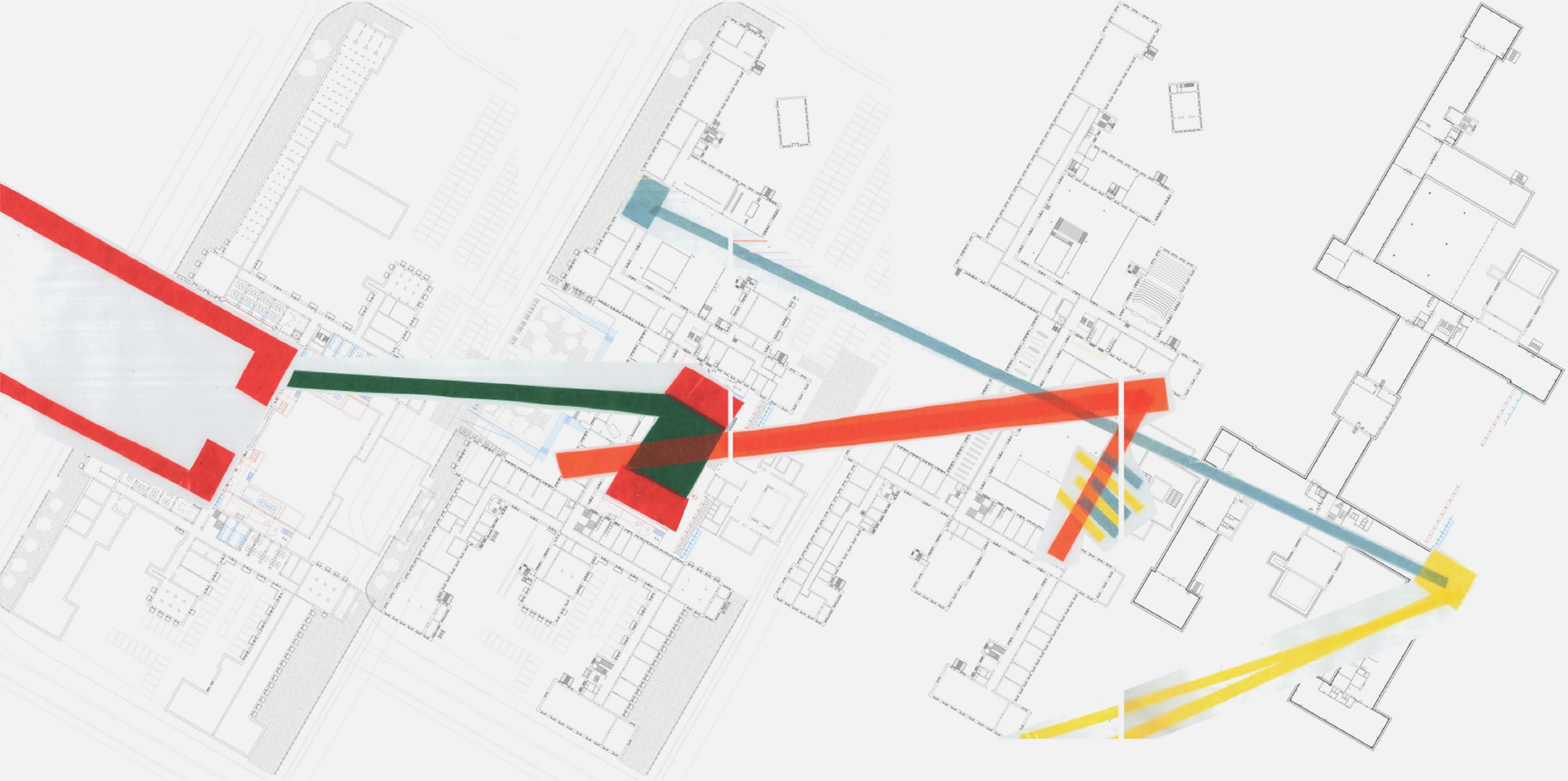
the workshop



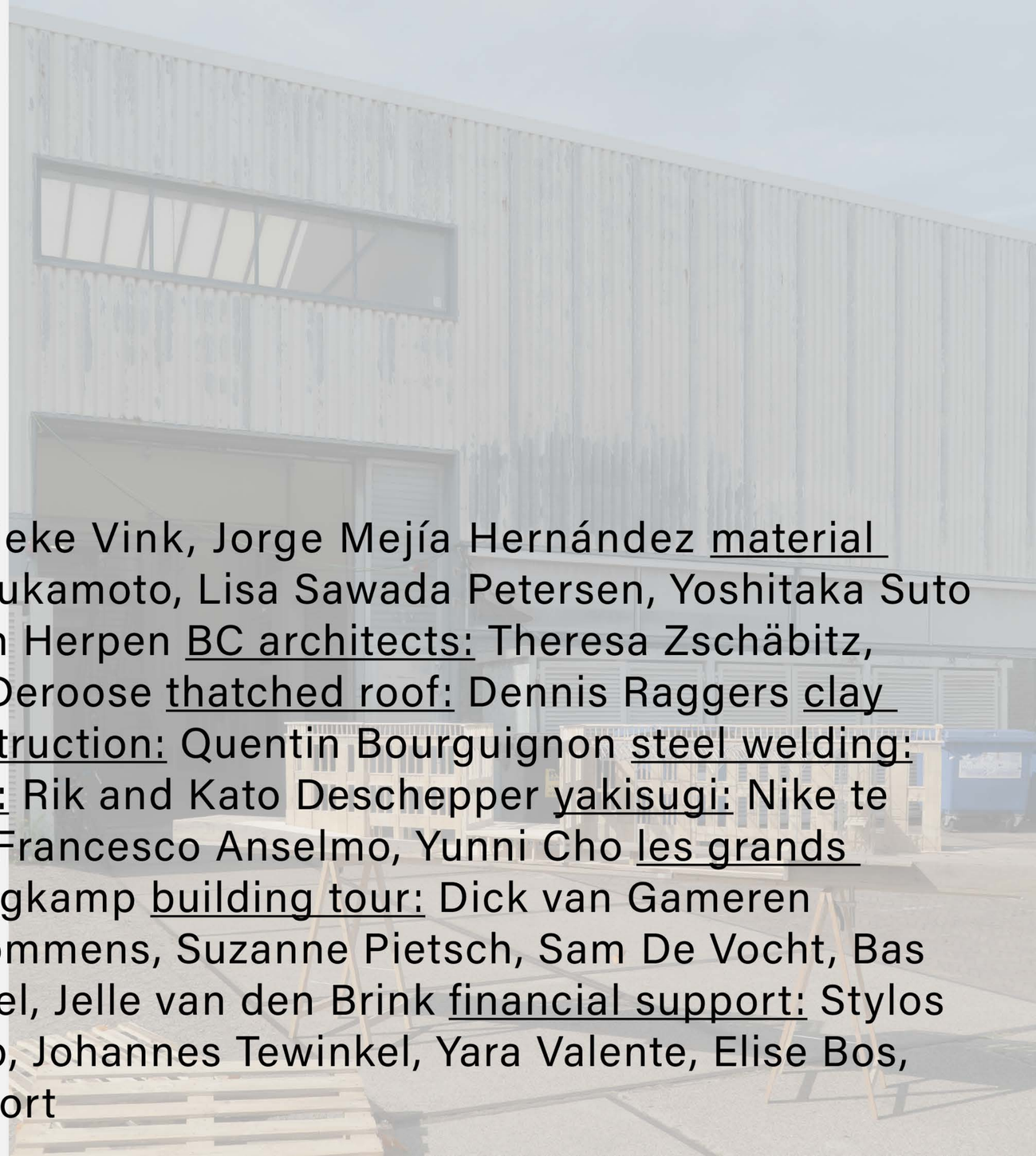
the assembly hall



the material library



thank you

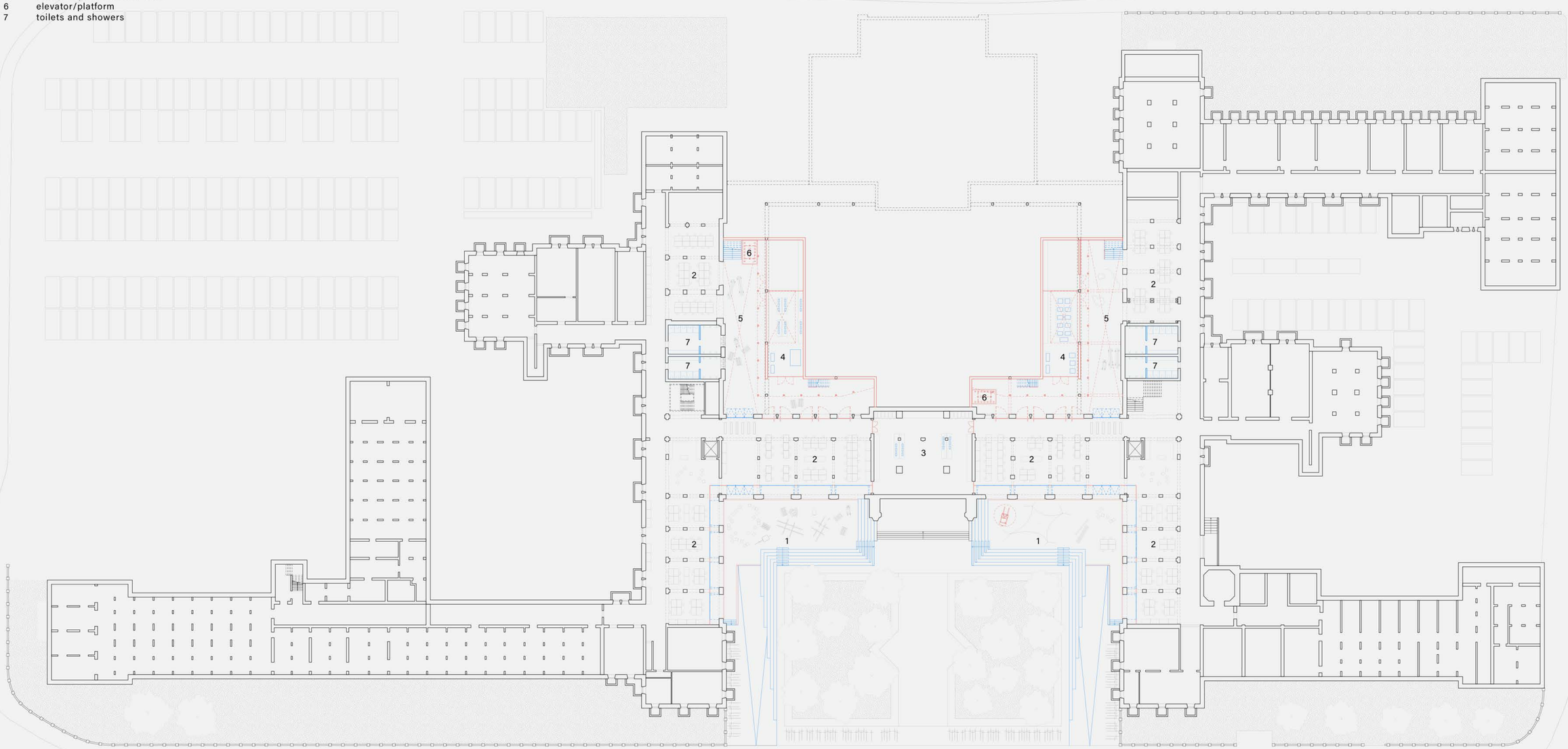


thank you

tutors: Eireen Schreurs, Georgios Karvelas, Mieke Vink, Jorge Mejía Hernández material explorations: bamboo greenhouse: Yoshiharu Tsukamoto, Lisa Sawada Petersen, Yoshitaka Suto clay plaster wall: Paulien Bremmer & Marjan van Herpen BC architects: Theresa Zschäbitz, Jasper Van Der Linden, Lara Winderickx, Emile Deroose thatched roof: Dennis Raggers clay plaster and fibres wall: Anis Saoudi timber construction: Quentin Bourguignon steel welding: Warre Van Putte steel laser cutting and bending: Rik and Kato Deschepper yakisugi: Nike te Brinke mycelium: Emile Waterkeyn hooke park: Francesco Anselmo, Yunni Cho les grands ateliers: Pascal Rollet workspace: Johannes Langkamp building tour: Dick van Gameren additional feedback: Salomon Frausto, Oscar Rommens, Suzanne Pietsch, Sam De Vocht, Bas Vahl, Jesse Verdoes mental support: Robin Ringel, Jelle van den Brink financial support: Stylos fund, Fast fund final model: Johannes Langkamp, Johannes Tewinkel, Yara Valente, Elise Bos, Nynke Stam, Sep Louter, Joris van Driel, Danil Oort

backup slides

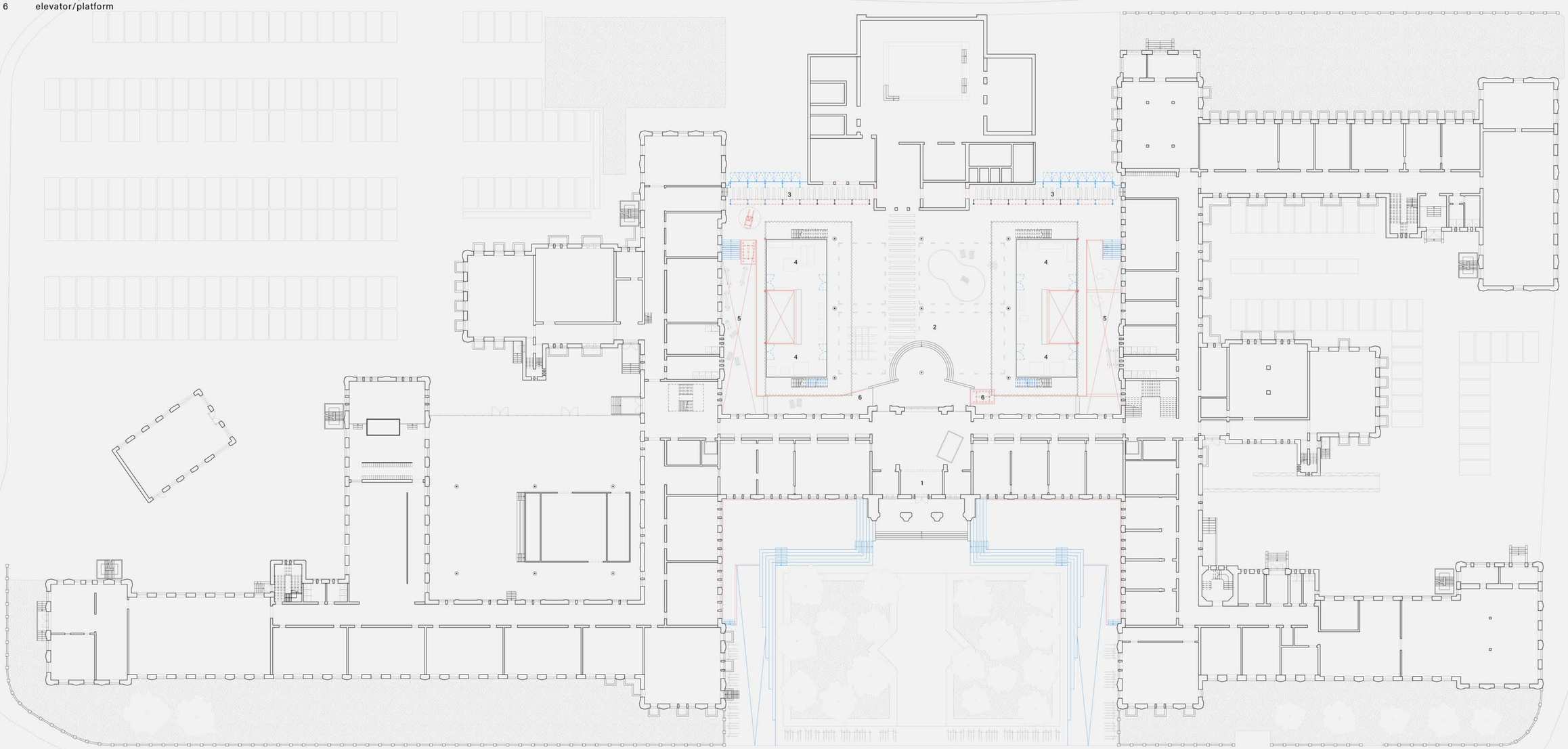
1 outdoor experimentation area
2 student workspaces dirty
3 tool station
4 workshop small
5 indoor experimentation area
6 elevator/platform
7 toilets and showers



plan, basement — 1.200

0 1 5 10 20

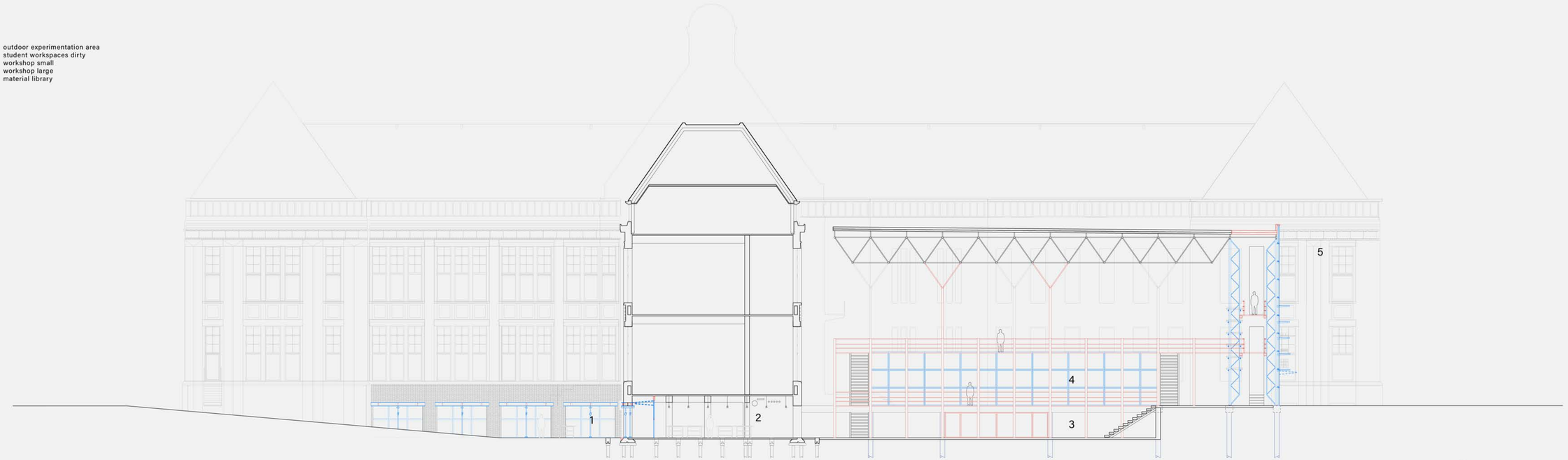
1 main entrance
2 assembly hall
3 material library
4 workshops large
5 indoor experimentation area void
6 elevator/platform



plan, ground floor — 1.200

0 1 5 10 20

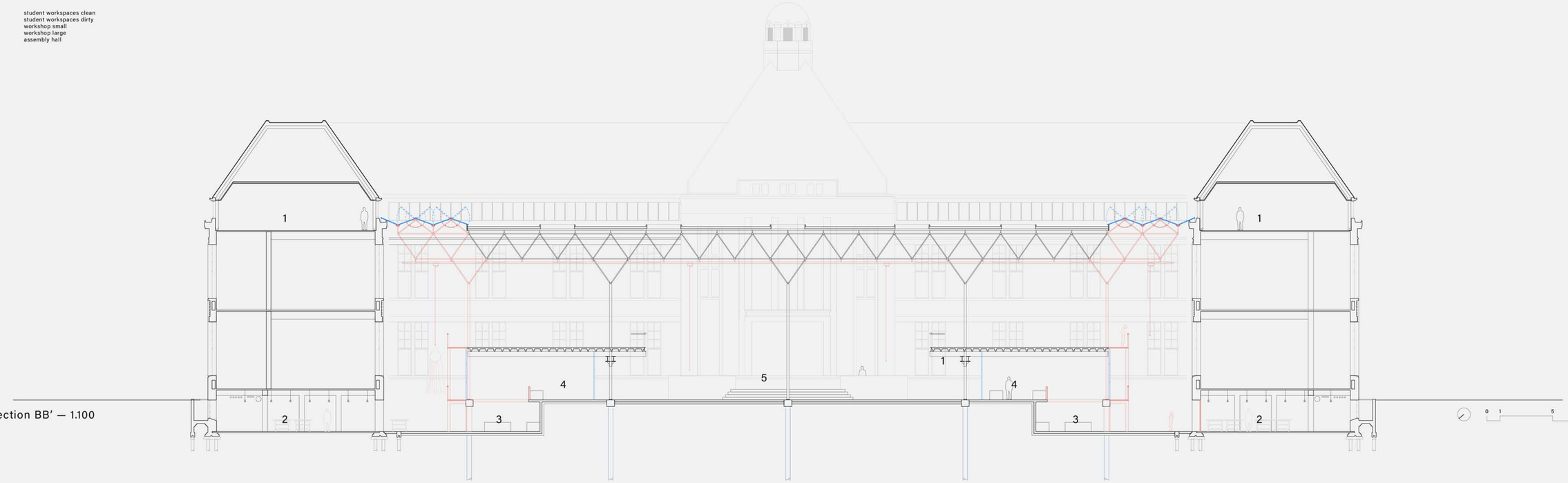
1 outdoor experimentation area
2 student workspaces dirty
3 workshop small
4 workshop large
5 material library



section AA′ — 1.100

0 1 5 10

1 student workspaces clean
2 student workspaces dirty
3 workshop small
4 workshop large
5 assembly hall



section BB′ — 1.100

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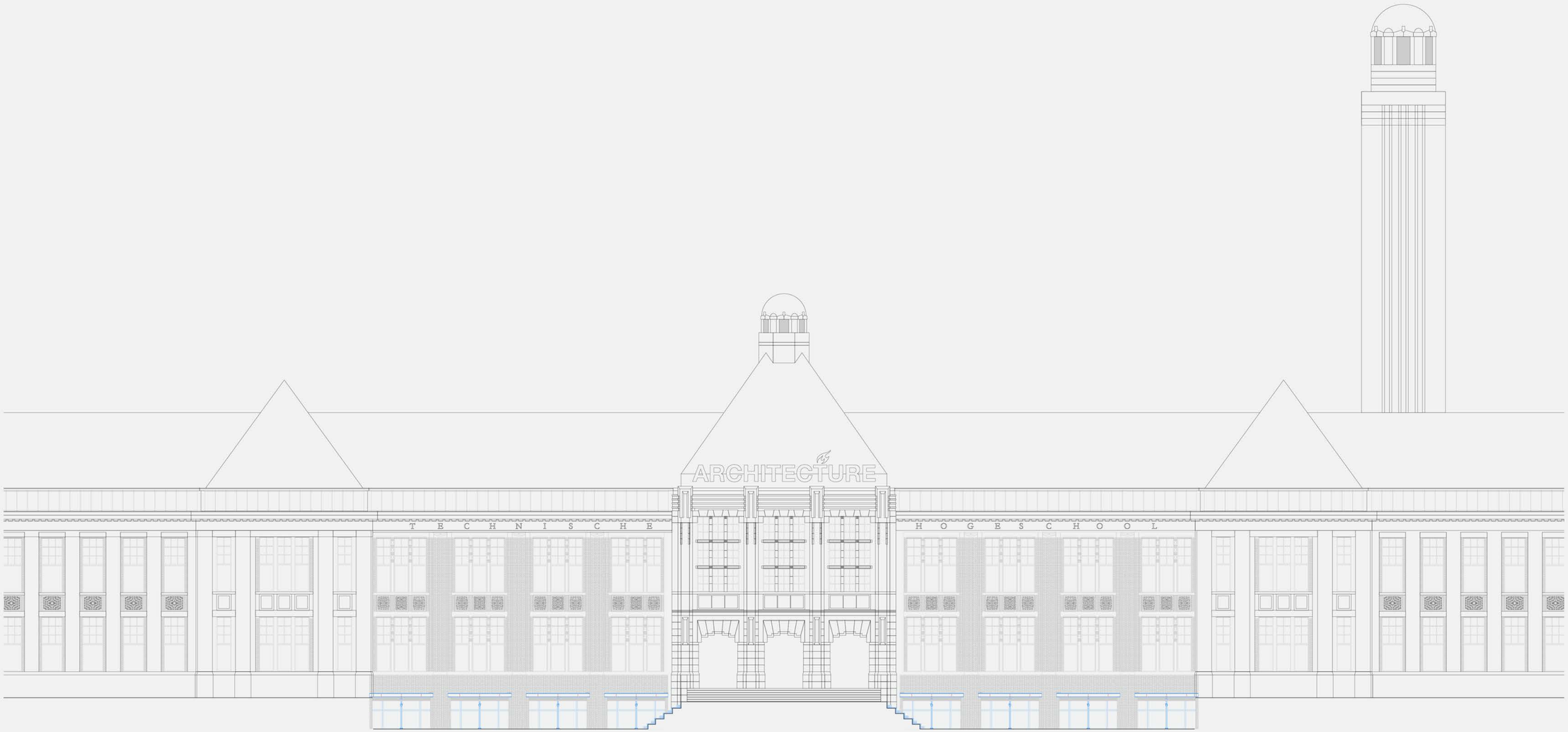
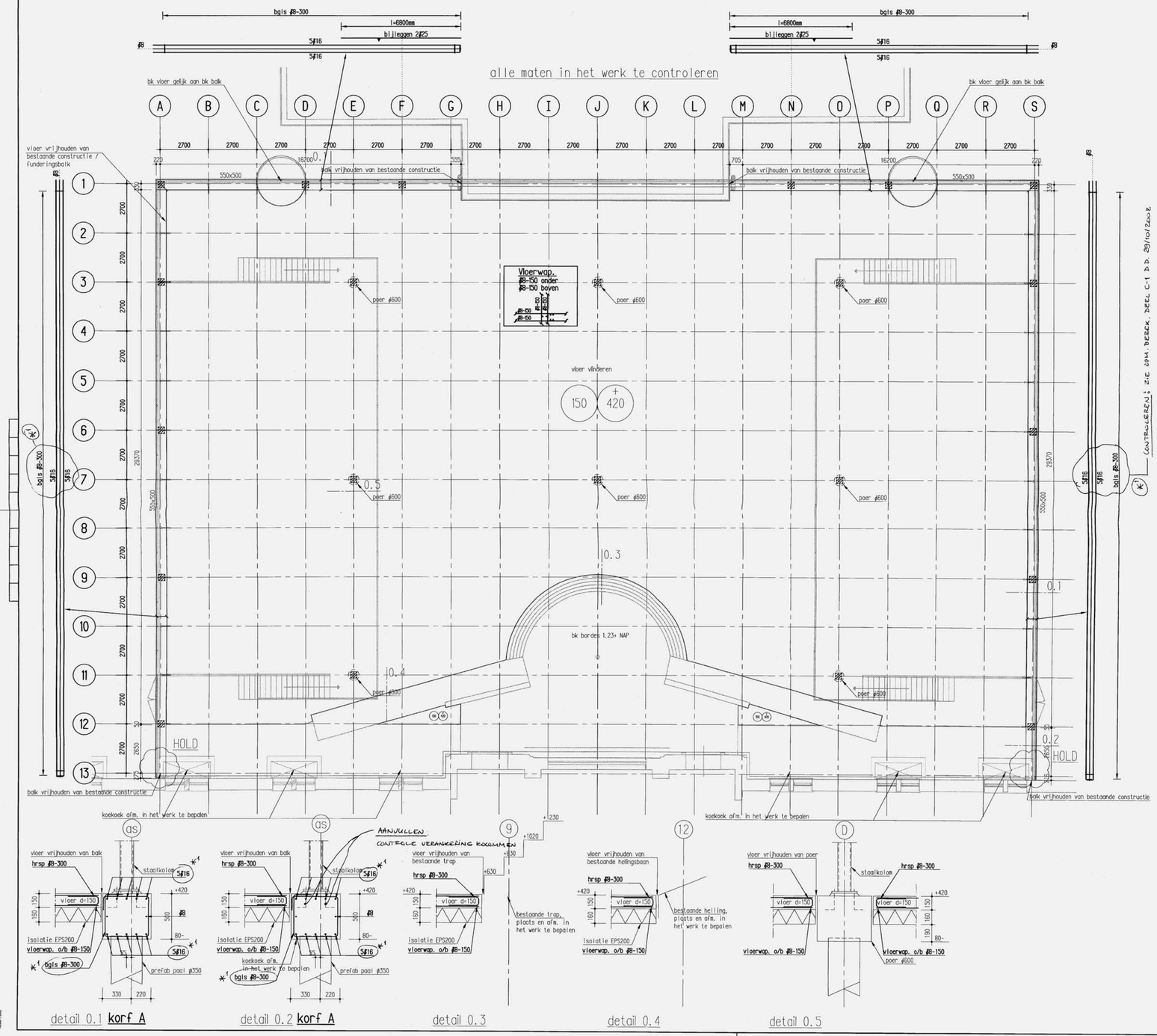


north elevation — 1.100

0 1 5 10



detail 0.1 korf A

detail 0.2 korf A

detail 0.3

detail 0.4

detail 0.5

wapeningsgegevens

Betondekking (op buitenste wapening)

Vochtig / vorst		
Voor/wand	Balk/console	Kolom/poer
25	30	35

Afwijkende dekking, zie tekening

Grindbeton Sterkteklasse: C20/25

Milieuklasse : XF1 Afwerkingsklasse zie bestek

Betonstaal: Feil 500, buigkwam 5jk

1) Min. dekking 30mm. 2) Min. dekking 60mm

Indien "c" > 50mm, koningste vertragen met maat "c"

Lasklengte l_d (niet voor staalbundels)

Diameter	8	10	12	14	16	20	25¹	32²	40²
Algemeen	300	400	500	650	750	800	1000	1500	1900
Bovenstaaf	300	400	500	650	750	1050	1250	1850	2400

Buigvormen

Diam.	D.
8	150
10	200
12	250

legenda

- dragend beton op de vloer
- dragend prefab beton op de vloer
- dragend metselwerk op de vloer
- dragend beton onder de vloer
- dragend prefab beton onder de vloer
- dragend metselwerk onder de vloer
- spanrichting bekistingplaatvloer
- spanrichting kanaalplaatvloer
- spanrichting stalen dakplaten
- spanrichting staalplaatbetonvloer
- spanrichting houten balkdaag
- spanrichting prefab betonplaat

opmerkingen

peil = 0 = NAP +1.23m

- onderkant balken -80mm tenzij anders vermeld
- onderkant poeren -80mm; hoogte 500mm tenzij anders vermeld
- voor definitieve spaningen zie sparingstekeningen
- voor ankers en instortvoorzieningen zie tekening derden
- alle vermelde verbindingsmiddelen zijn ter indicatie, definitieve uitwerking door aannemer
- indien niet nader gespecificeerd in de betreffende details gelden de principes van de algemene details
- alle maten t.o.v. bestaande constructies in het werk te controleren
- alle geprefabriceerde onderdelen dienen te worden opgelegd op een oplegmateriaal volgens opgave leverancier, tenzij anders aangegeven

overzicht

Gemeente Delft
Sector Bouw- en Milieutoezicht
Vakteam Bouw- en Woningtoezicht
VOOR UITVOERINGSCONTROLE
SECTIE CONSTRUCTIECONTROLE
Datum: 19 NOV 2008

ATTENTIE zie de door Bouw- en woningtoezicht in rode kleur aangebrachte wijzigingen en bijschriften

status: definitief

uitgifte/wijziging

omschrijving wijziging	getek.	gecontr.	beoord.	wijzig.	datum
realisatie	krk			-	29-10-2008

werkcode: 09753 formaat: A1 schaal: 1:100

onderwerp: Begane grond en fundering Zuidserre

werk: Nieuwe faculteit bouwkunde
Delft

opdrachtgever: TU Delft
Delft

INGEKOMEN 30 OKT 2008

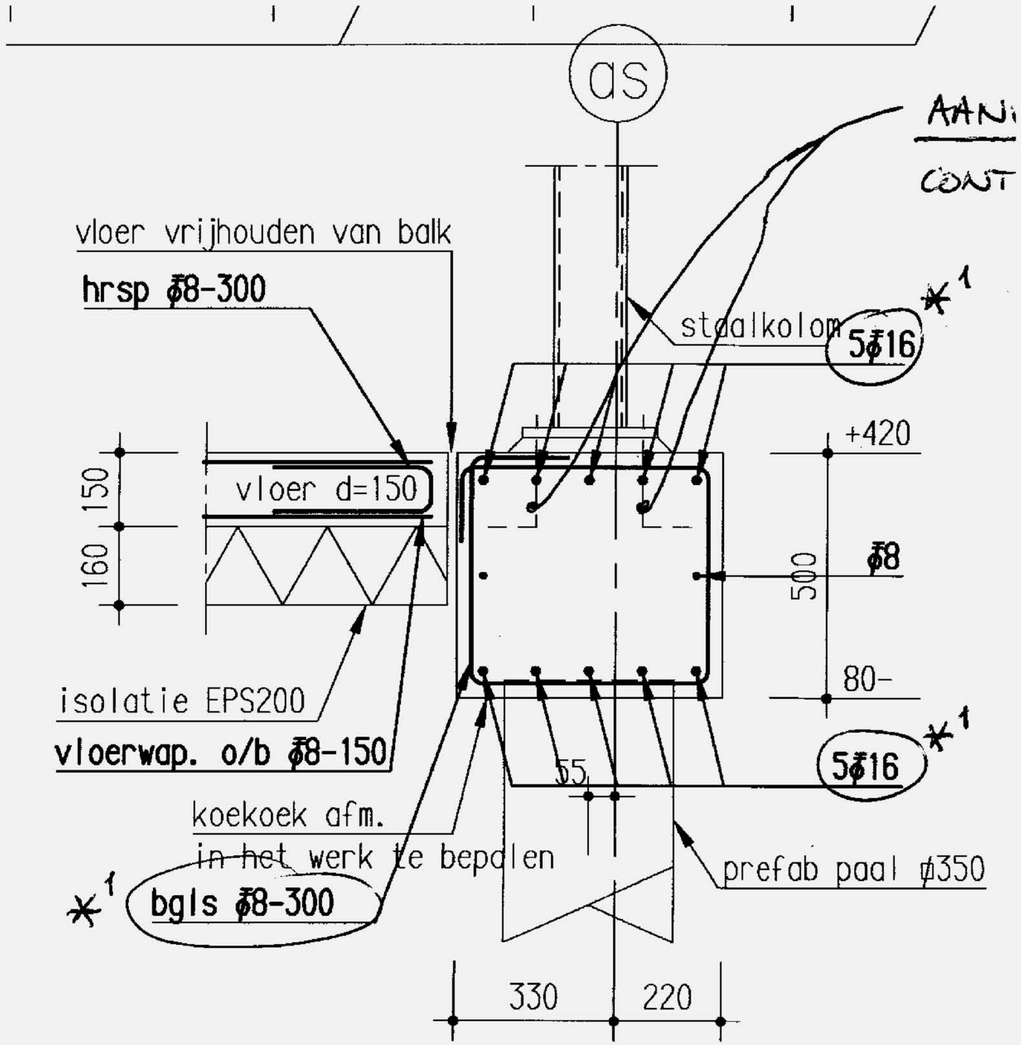
architect: Braaksma & Roos / Octatube
Den Haag / Delft

abt
Delft
Delftechpark 12, Delft
tel. +31 (0)15 270 36 11
www.abt.nu info@abt.nu
Postbus 430, 2600 AL Delft
Fax +31 (0)15 270 36 80

constructies: c6zuidserre_1_00w

09753_c6zuidserre_1_00W Oct 2008 10:07 KRK

A1,0X1.002



detail 0.2 korf A

BPC

Suite de la méthodologie pour les ouvertures façade des bâtiments AC.

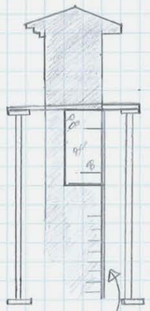
Date/Datum:

AVENUE DE LA COURONNE

NIVEAU OUVERTURE C'

COUR INTÉRIEURE

NIVEAU DES APPUIS.



Poutre B 30/90

Détails 1

- Pose de plat métallique en forme de "U" découpé selon l'agencement des briques à supporter. (voir)
- Plat métallique fixé dans poutre en béton.

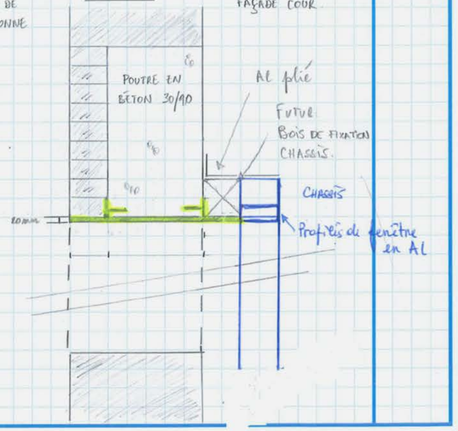
Pose de tôle de 0,35 m au niveau des appuis selon plan "STAE"

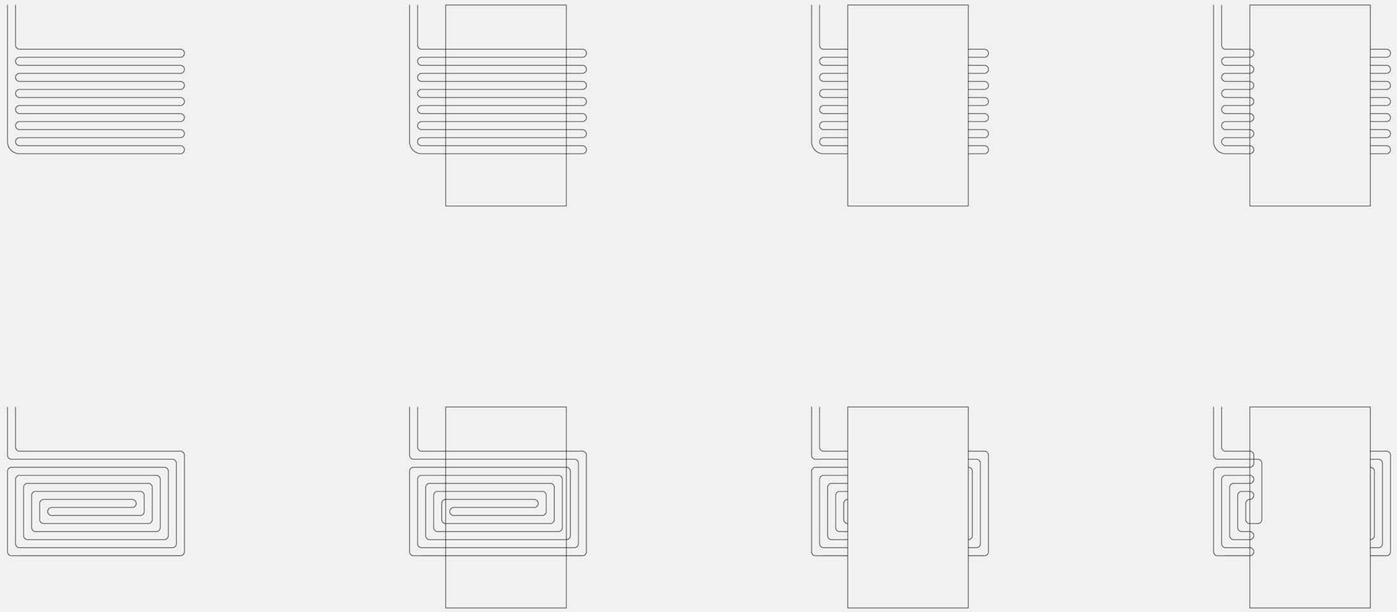
Les étançons seront retirés une fois les tôles niveau appui posées.

AVENUE DE LA COURONNE

Détails 1

FAÇADE COUR





analogy with Johannes Atelier

material storage

tools at hand

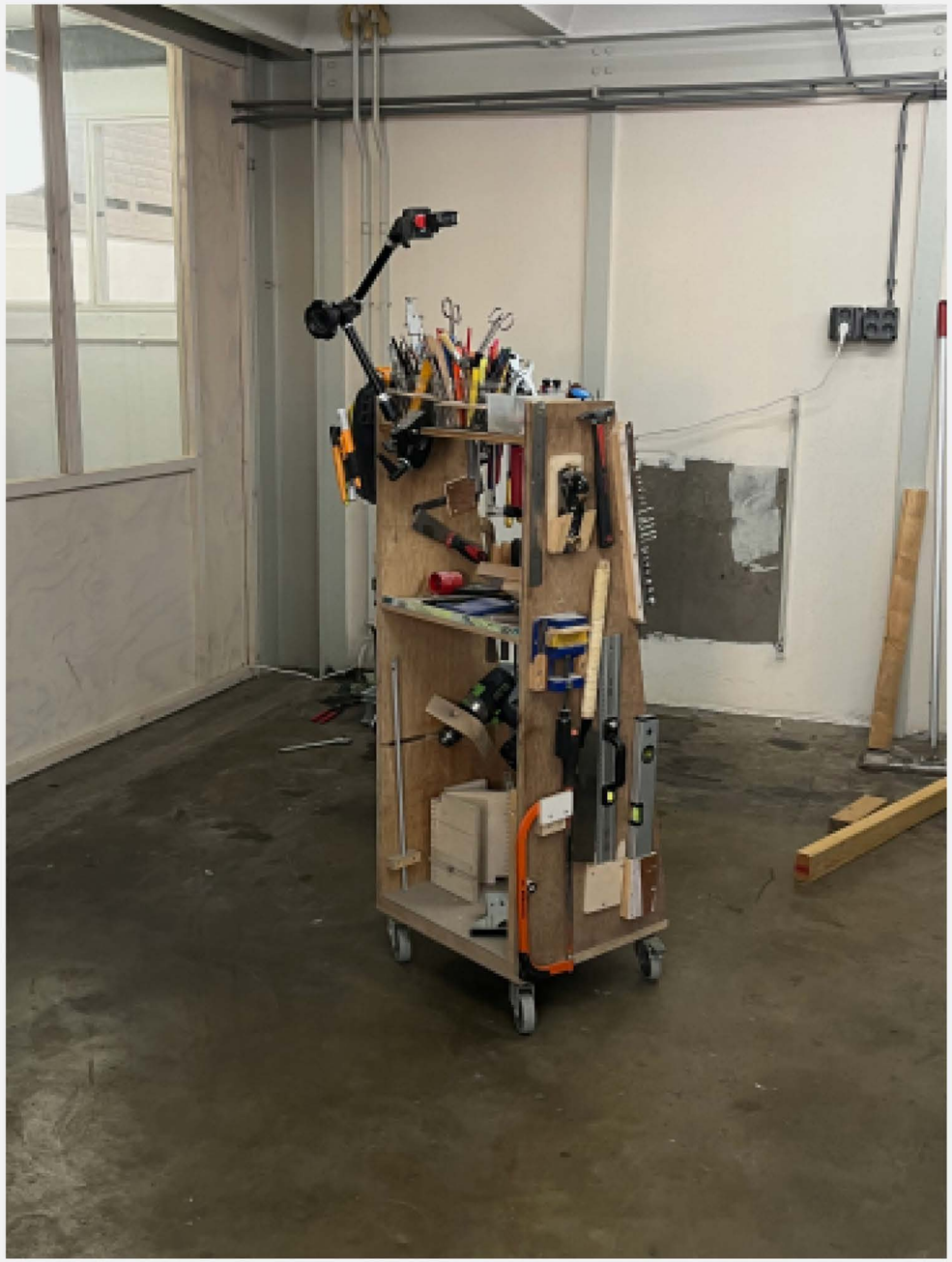
folly presence

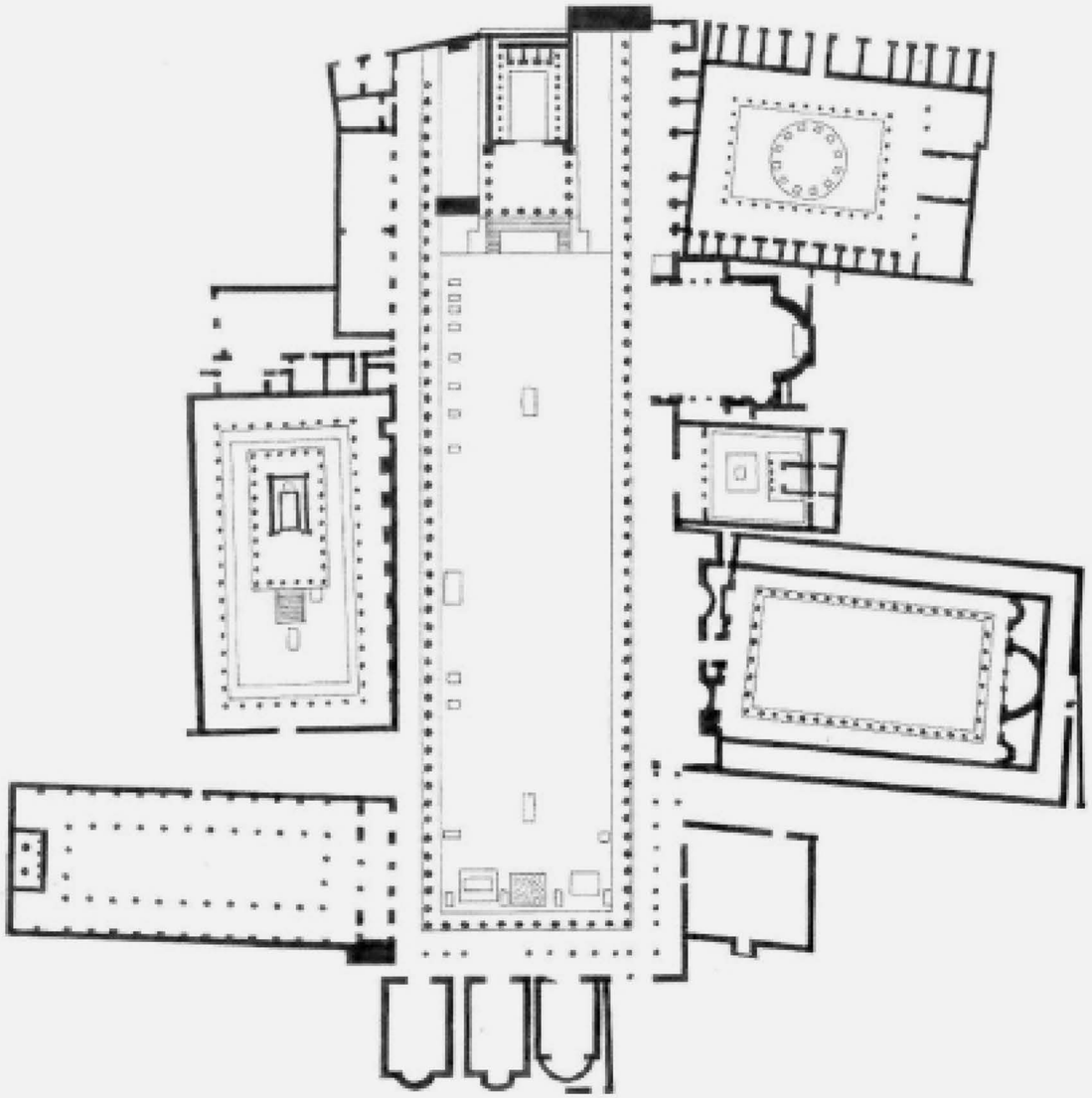
chaos - clean

outside part

the clean zone

back entrance





making ecology