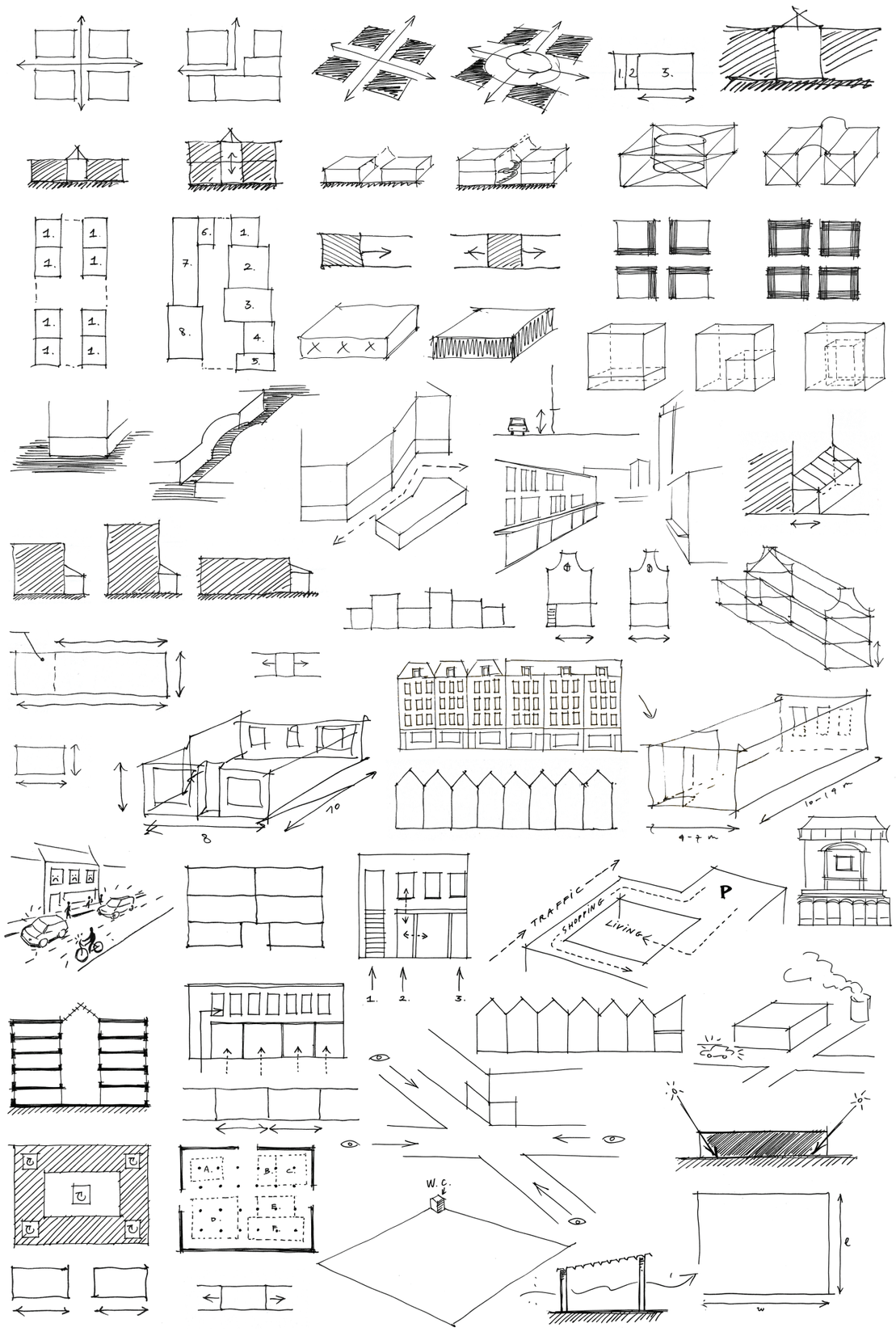
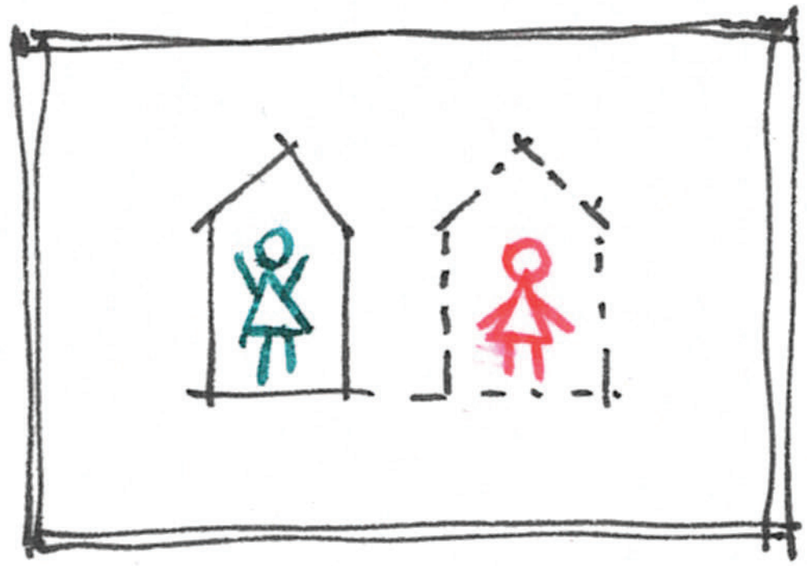

1. 2. 3.
1. 1. 1. 1. 1. 1. 1. 1.
6. 1. 7. 2. 3. 8. 4. 5.
TRAFFIC
SHOPPING
LIVING
P
1. 2. 3.
W. C.
A. B. C. D. E. F.
8
10
10-19 m
4-7 m
l
w

P5 SIRI



LEEGSTAND WINKELS



WOONCRISIS

" WHAT DIFFERENT ***TYPES*** *OF* ***SHOPS*** *CAN BE RECOGNISED WHEN CONSIDERING A TRANSFORMATION INTO* ***HOUSING*** *?"*

PROJECT

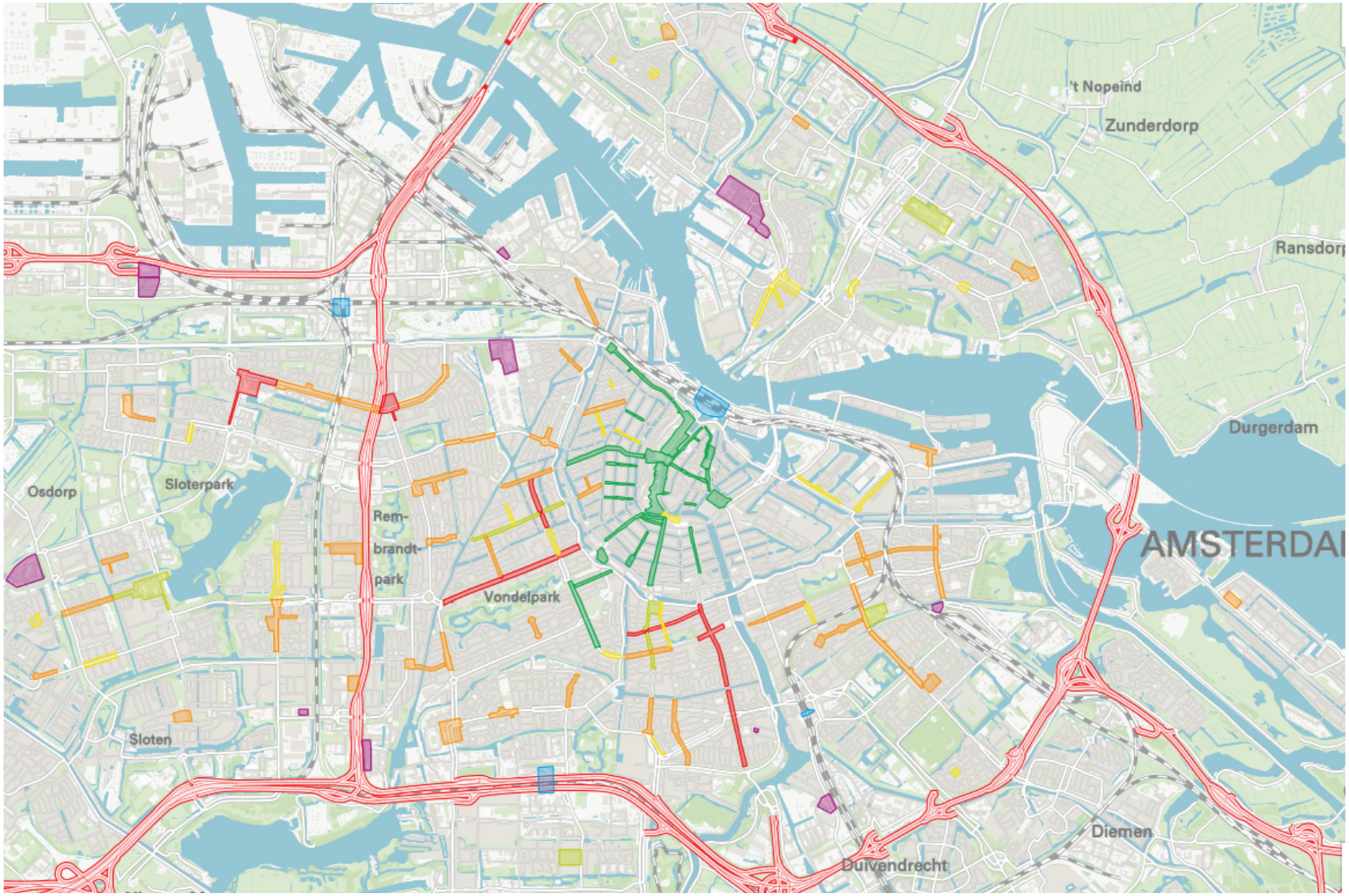
RESEARCH: ***TYPOLOGY***

DESIGN: ***CASE STUDY*** *(TRANSFORMATION OF TYPE)*

RESEARCH: ***TYPOLOGY***

ANALYSIS

AMSTERDAM - 150 MAIN SHOPPING AREAS



ANALYSIS

Categorie					
Bouwperiode	Vooroorlogs	Naoorlogs			
Uniciteit	Elk pand uniek	Stempel	Variatie		
Bouwtype/cons	Traditioneel: Bak	Modern: Beton/prefab			
Bouwtechnisch	Loods/niet geisol	Woning...			
Bouwhoogte					
Hoogte verdieping plint					
Breedte gevel/plint					
Oppervlakte					
Aantal verdiepingen					
Straatprofiel - breedte					
Buitenruimte					
Functiemenging					
Functies bovengelegen verdiepingen					
Ligging in stad	Centrum	Wijkcentrum	Rand van Stad	Buiten stad	
Bereikbaarheid met auto					
Bereikbaarheid met fiets					
Bereikbaarheid te voet					
Aansluiting op OV-netwerk					
Straatgebruik	Voetgangers	Fietsers	Auto	Trambaan	Busbaan
Ontsluiting: orie	Enkel	Dubbel			
Ontsluiting:toeg	Grondgebonden	Via binnenruimte			
Parkeergelegen	Aan straat	In nabijheid	Geen		
Fietsparkeerplaatsen					
Drukte/toeristen enzo					

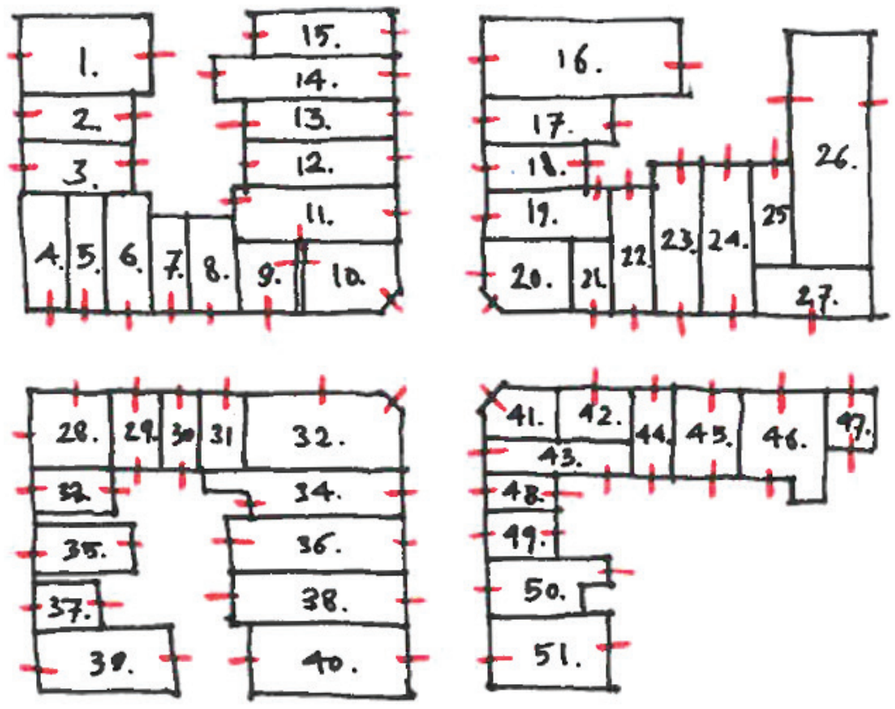
ANALYSIS

Naam	Ca	Stadsdeel	Ge	Wi	Lin	Ty		Subtype		Ontsluiting	Bouwperiode	Bre	Straatgebruik	OV	Aantal verdiepir	Uniciteit
Lange Niezel	K	Centrum	Ce	Bu	http	Wit	A	W1	Historisch gevari	2 / 3	voor 1900	6	V	-	3 / 4 / 5	Elk gebouw uniek
Heiligeweg	K	Centrum	Ce	Bu	http	Wit	A	W1	Historisch gevari	2 / 3	voor 1900	7	V	-	3 / 4 / 5	Elk gebouw uniek
Hoogstraten	K	Centrum	Ce	Nie	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	8	V + F	-	3 / 4 / 5	Elk gebouw uniek
Nieuwe Spiegelstraat	K	Centrum	Ce	Gra	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	9	V + F + A	-	3 / 4 / 5	Elk gebouw uniek
Staalstraat	K	Centrum	Ce	Nie	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	9	V + F + A	-	3 / 4 / 5	Elk gebouw uniek
Herenstraat/Prinsenstraat	K	Centrum	Ce	Gra	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	9	V + F + A	-	3 / 4 / 5	Elk gebouw uniek
De negen straatjes	K	Centrum	Ce	Gra	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	9	V + F + A	-	3 / 4 / 5	Elk gebouw uniek
Warmoesstraat	K	Centrum	Ce	Bu	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	9	V	-	3 / 4 / 5	Elk gebouw uniek
Haarlemmerstraat/Haarlemm	K	Centrum	Ce	Ha	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	12	V + F + A	-	4 / 5	Elk gebouw uniek
Utrechtsestraat	K	Centrum	Ce	Gra	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	12	V + F + A	T	4 / 5	Elk gebouw uniek
Grimburgwal	K	Centrum	Ce	Bu	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	24	V	-	4 / 5	Elk gebouw uniek
Rozengracht	K	Centrum	Ce	Jor	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	28	V + F + A	T + B	4 / 5 / 6	Elk gebouw uniek
Spiegelgracht	K	Centrum	Ce	Gra	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	36	V + F + A	-	3 / 4 / 5	Elk gebouw uniek
Gelderse kade	K	Centrum	Ce	Nie	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	53	V + F + A	-	3 / 4 / 5	Elk gebouw uniek
Hazenstraat	WI	Centrum	Ce	Jor	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	7	V + F + A			
Westerstraat	WI	Centrum	Ce	Jor	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	29				
Tweede Goudsbloemdwarsst	BU	Centrum	Ce	Jor	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	7				
Tweede Leliedwarsstraat/2e /	BU	Centrum	Ce	Jor	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	7				
Oude Leliestraat	BU	Centrum	Ce	Gra	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	7				
Leliegracht	BU	Centrum	Ce	Gra	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	30				
Elandsgracht	WI	Centrum	Ce	Jor	http	Wit	A	W1	Historisch gevari	2 / 3	vóór 1900	28				
Nieuwmarkt	K	Centrum	Ce	Nie	http	Ple	A	W1	Historisch gevari	2 / 3	vóór 1900		V + F	M	3 / 4 / 5	Elk gebouw uniek
Zeedijk	K	Centrum	Ce	Bu	http	Wit	AB	W1 + W2	Historisch gevari	1 / 2 / 3	vóór 1900	8	V + F	-	3 / 4 / 5	Elk gebouw uniek
Damstraat	K	Centrum	Ce	Nie	http	Wit	AB	W1 + W2	Historisch gevari	1 / 2 / 3	vóór 1900	12	V + F + A	-	4 / 5	Elk gebouw uniek
Kalverstraat	K	Centrum	Ce	Bu	http	Wit	B	W2	Historisch gevari	1	vóór 1900	8	V	-	5 / 6	Elk gebouw uniek
Nieuwendijk	K	Centrum	Ce	Bu	http	Wit	B	W2	Historisch gevari	1	vóór 1900	9	V	-	4 / 5 / 6	Elk gebouw uniek
Leidsestraat	K	Centrum	Ce	Gra	http	Wit	BC	W2 + W3	rond 1900	1	rond 1900	11	V	T	4 / 5 / 6	Uniek maar verge
Leidseplein	K	Centrum	Ce	De	http	Ple	BC	W2 + W3	rond 1900	1	rond 1900		V + F + A	T + B	4 / 5 / 6	Uniek maar verge
Linnaeusstraat	WI	Oost	Ou	Tra	http	Wit	C	W3	rond 1900	3	rond 1900	32				
Ferdinand Bolstraat	SC	Zuid	De	Ou	http	Wit	C	W3	rond 1900	3	rond 1900	30				
Albert Cuypstraat	WC	Zuid	De	Ou	http	Wit	C	W3	rond 1900	3	rond 1900	20	V	-	5	Uniek maar verge
Van Woustraat	WC	Zuid	De	Ou	http	Wit	C	W3	rond 1900	3	rond 1900	20	V + F + A	T + B + M	5	Uniek maar verge
Hugo de Grootplein	WI	West	We	Freder	Ple	C	W3	rond 1900	3	rond 1900						
Bilderdijkstraat	WC	West	Ou	Da	http	Wit	C	W3	rond 1900	3	rond 1900	30	V + F + A	T + B	5	Uniek maar verge
Overtoom	WC	West	Ou	Vo	http	Wit	C	W3	rond 1900	3	rond 1900	30	V + F + A	T + B	5	Uniek maar verge
P.C. Hoofstraat	K	Zuid	Ou	Mu	http	Wit	C	W3	rond 1900	3	rond 1900	25	V + F + A	-	4	Uniek maar verge
van Baerlestraat	K	Zuid	Ou	Mu	http	Wit	C	W3	rond 1900	3	rond 1900	30	V + F + A	T	4 / 5	Uniek maar verge
Ceintuurbaan	WC	Zuid	De	Ou	http	Wit	C	W3	rond 1900	3	rond 1900	30	V + F + A	T + B + M	5	Uniek maar verge
Rijnstraat	WC	Zuid	De	Sc	http	Wit	C	W3	rond 1900	3	rond 1900	30	V + F + A	T + B	5	Bouwblok (plan z

ANALYSIS

TYPE HISTORIC A

WINKELSTRAAT A w4



- VOETGANGERS OP TROTTOIR
- DUBBEL ONTSLOTEN
- WONEN BOVEN WINKELS
- VAAK KLEIN OPPERVLAK
- TUIN / BUITENRUIMTE ACHTERZIJDE
- ELK PAND UNIEK
- HISTORISCHE GEBOUWEN
- GOEDE AANSLUITING OV.
- NIET/WEINIG PARKEERGELEGENH.

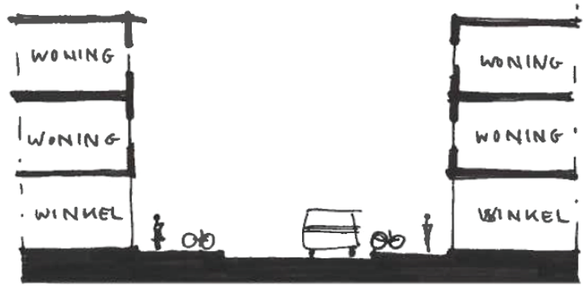
VOORBEELDEN:

w3
- ~~4 STRAATJES~~ (K)
- HAARLEMMERSTRAAT / -DIJK (K)

w 3
- ~~HEREN~~STRAAT / PRINSENSTR. (K)
- UTRECHTSESTRAAT (K)









ANALYSIS

W1 Enkel ontsloten, ruimte achterzijde

TYPE **HISTORIC B**



Winkelplint over gehele breedte gebouw



Elk gebouw uniek



Interieur winkel



Opgang naar bovengelegen woning in winkel

ANALYSIS

W1

TYPE HISTORIC A



Diepe / lange plattegrond



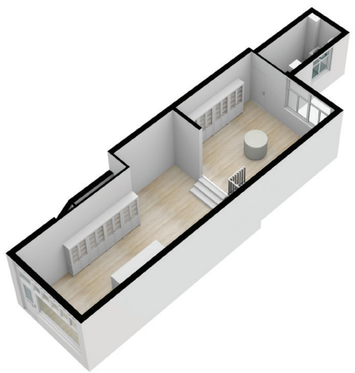
Ramen aan achterzijde

Elk gebouw is uniek in de historisch gebouwde stad. Dit betekent dat verdiepingshoogte, en de diepte en breedte per plattegronden verschillen. Op bovengelegen verdiepingen bevinden zich woningen, die van de straatkant via een apart entree bereikbaar zijn.

De hoge glazen plint grenst direct aan de publieke ruimte (de stoep), en wat binnen gebeurt is dus goed zichtbaar van buitenaf. Dit is een voordeel voor winkels, maar een nadeel voor woningen. Over het algemeen is dit type winkel goed bereikbaar met alle vervoerstypen en zijn er veel verschillende voorzieningen aanwezig in de nabijheid. Er is mogelijk horeca in de nabijheid en er kan sprake zijn van geluidsoverlast.

Deze winkel typeert zich door een diepe, smalle plattegrond (13,5 * 14,5 m), een hoger plafond aan de plint (3,5 m) en een normaal plafond achter (3 m, conform bouwbesluit 2012). Aan de achterzijde zijn doorgaans ramen die uitkijken op een kleine buitenruimte. Vaak is deze ruimte (deels) dichtebouwd met een kleine aanbouw.

Direct daglicht aan de achterzijde is in verband met de diepe plattegrond essentieel voor de transformatie tot woningen. Soms is er ook een kelder aanwezig: aan de straatkant krijgt deze geen daglicht, en aan de achterzijde





***Winkelverdieping**: ramen aan voor- en achterkant en kleine uitbouw.*

***Kelderverdieping**: geen daglicht in ruimte aan straatzijde (ook niet mogelijk om dit te realiseren) en zeer weinig daglicht aan tuinzijde.*

De beelden van deze winkel op Haarlemmerstraat 85 gedownload via funda.nl

ANALYSIS

TYPE SMALL SIZE

EEN VOORBEELD



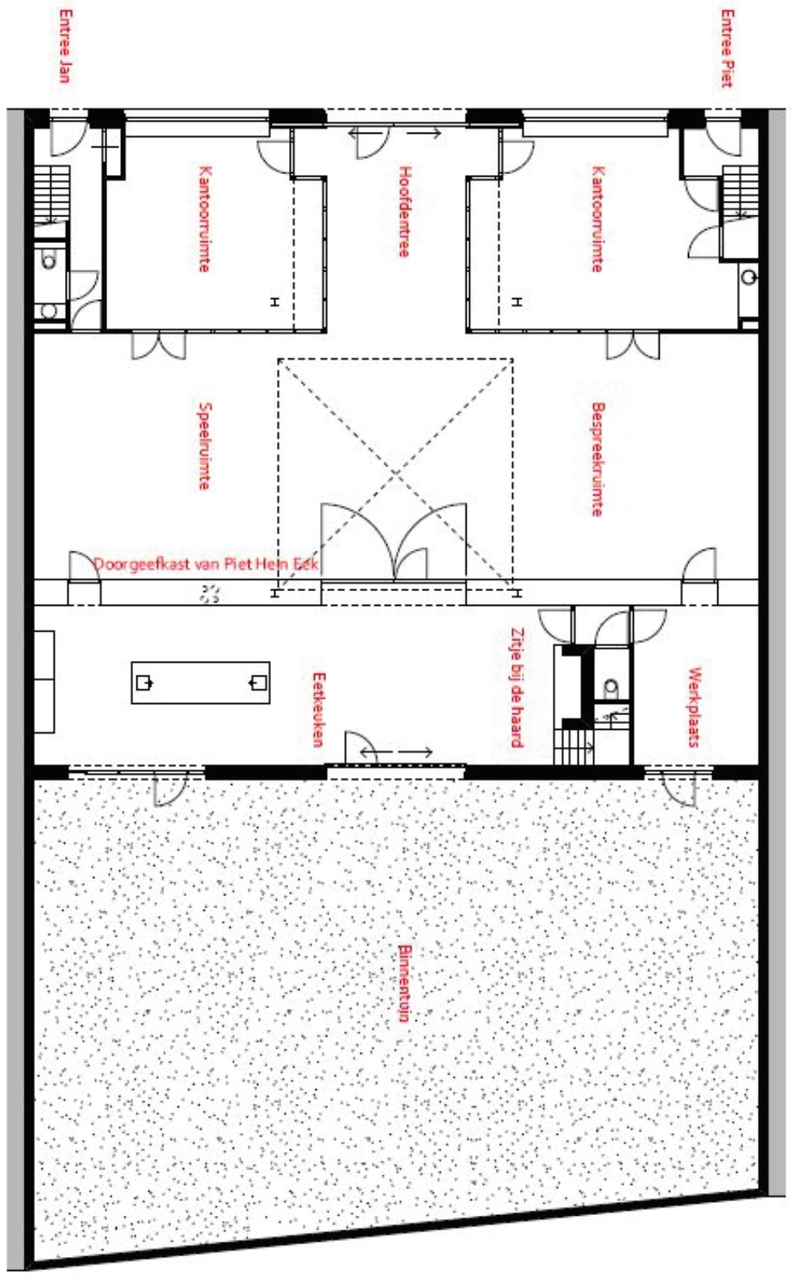


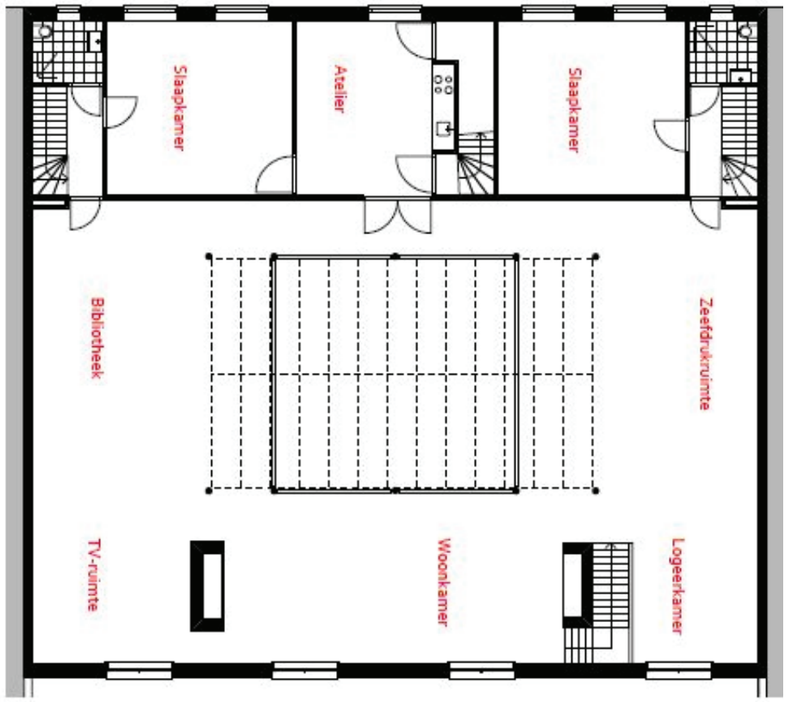


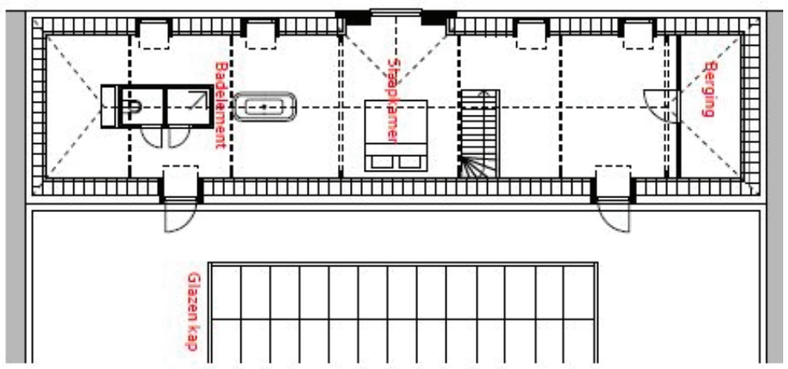


ANALYSIS

TYPE SMALL SIZE



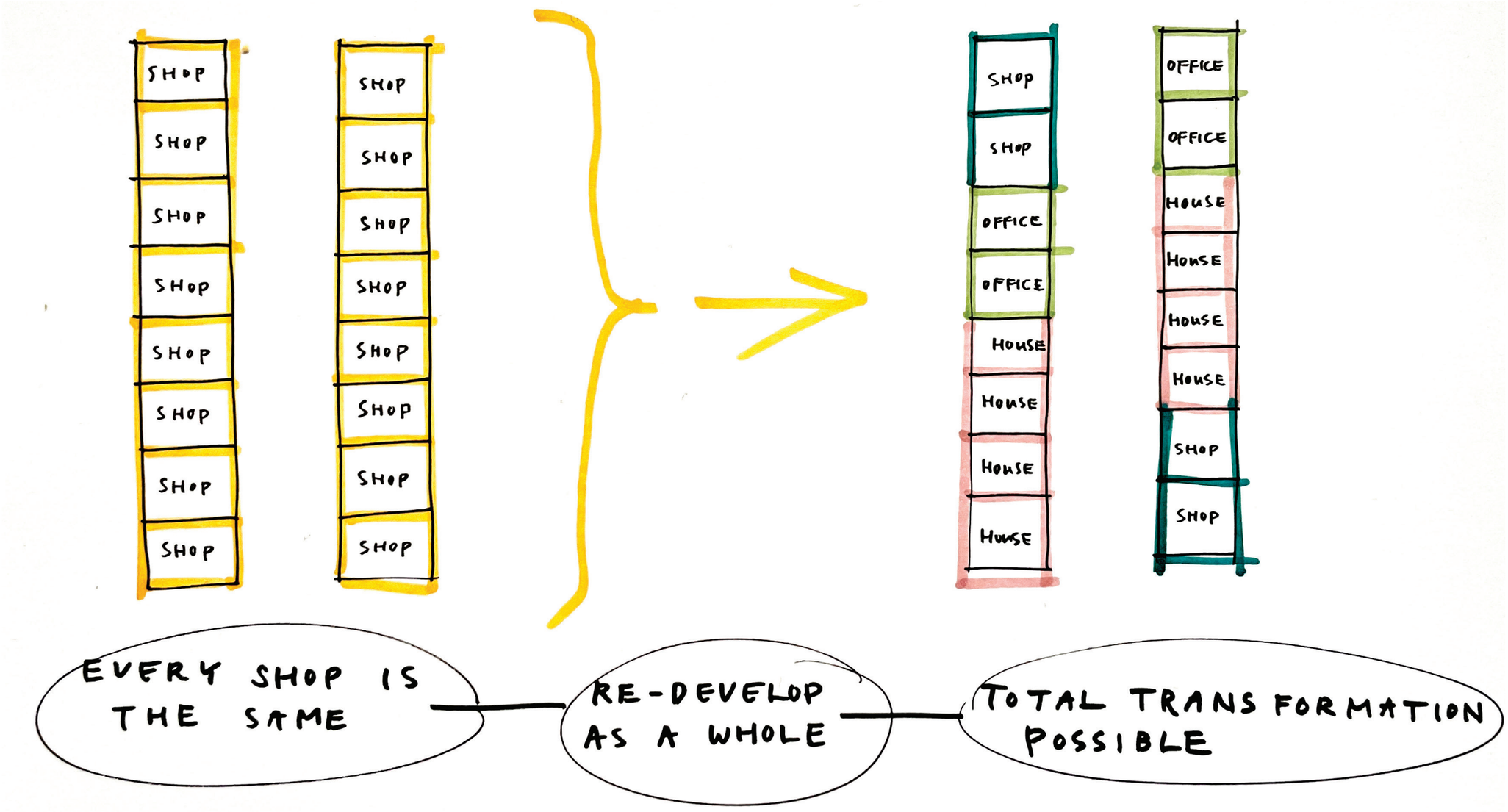




ANALYSIS

TYPE SHOPPING CENTRE

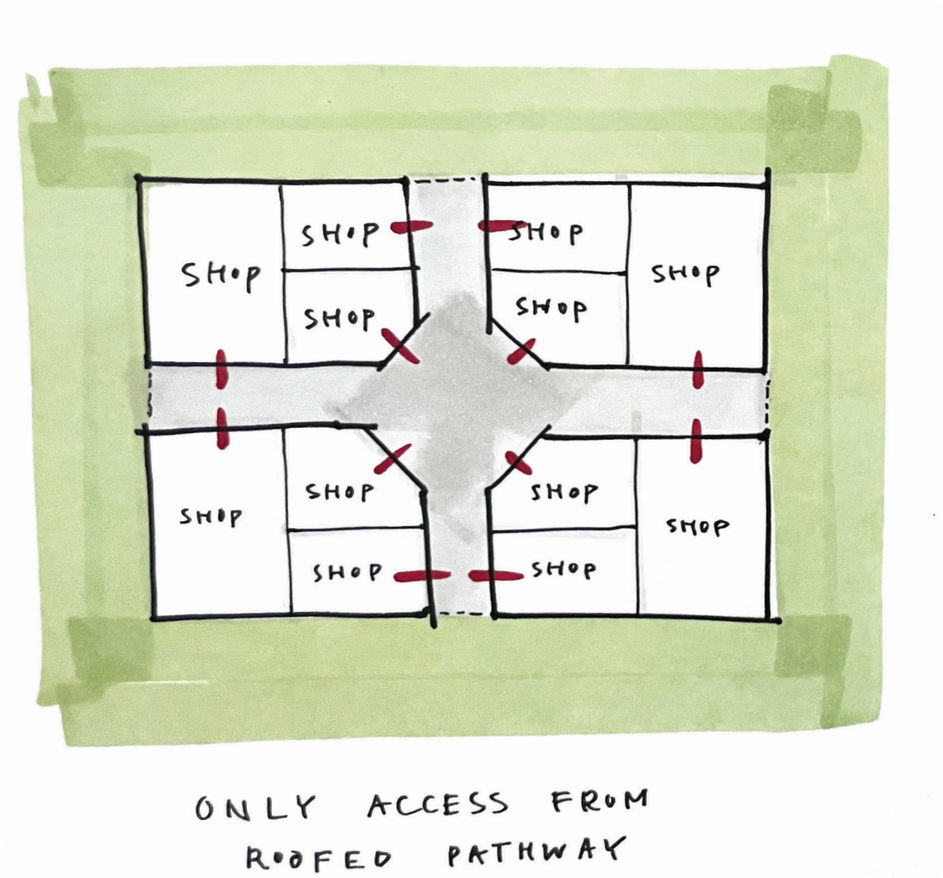
EEN KANS



ANALYSIS

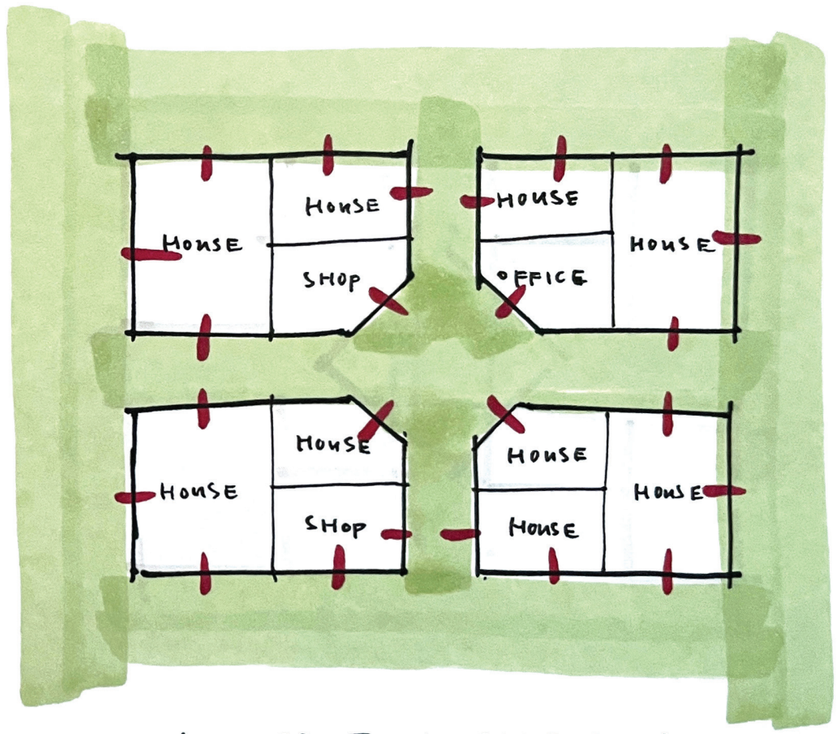
TYPE SHOPPING CENTRE

EEN UITDAGING



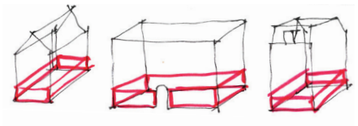
ONLY ACCESS FROM
ROOFED PATHWAY

EEN OPLOSSING

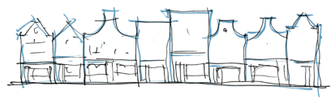


ACCESS TO ONTSIDE (AIR)
FROM ALL ANGLES

TYPOLOGY



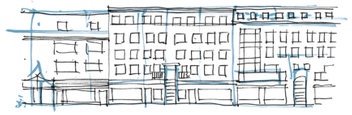
INNER CITY



HISTORIC



REVOLUTIEBOUW



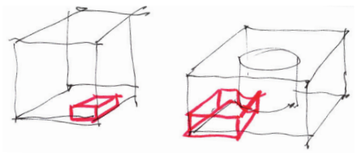
A'DAMSE SCHOOL



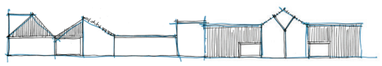
POST-WAR



NEIGHBOURHOOD



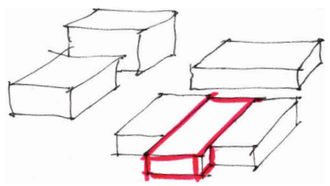
SHOP COMPLEX



SHOP CENTER



DEPARTMENT STORE



RETAIL ZONE



SMALL SIZE



BIG SIZE

ADD-ONS

Large Surface

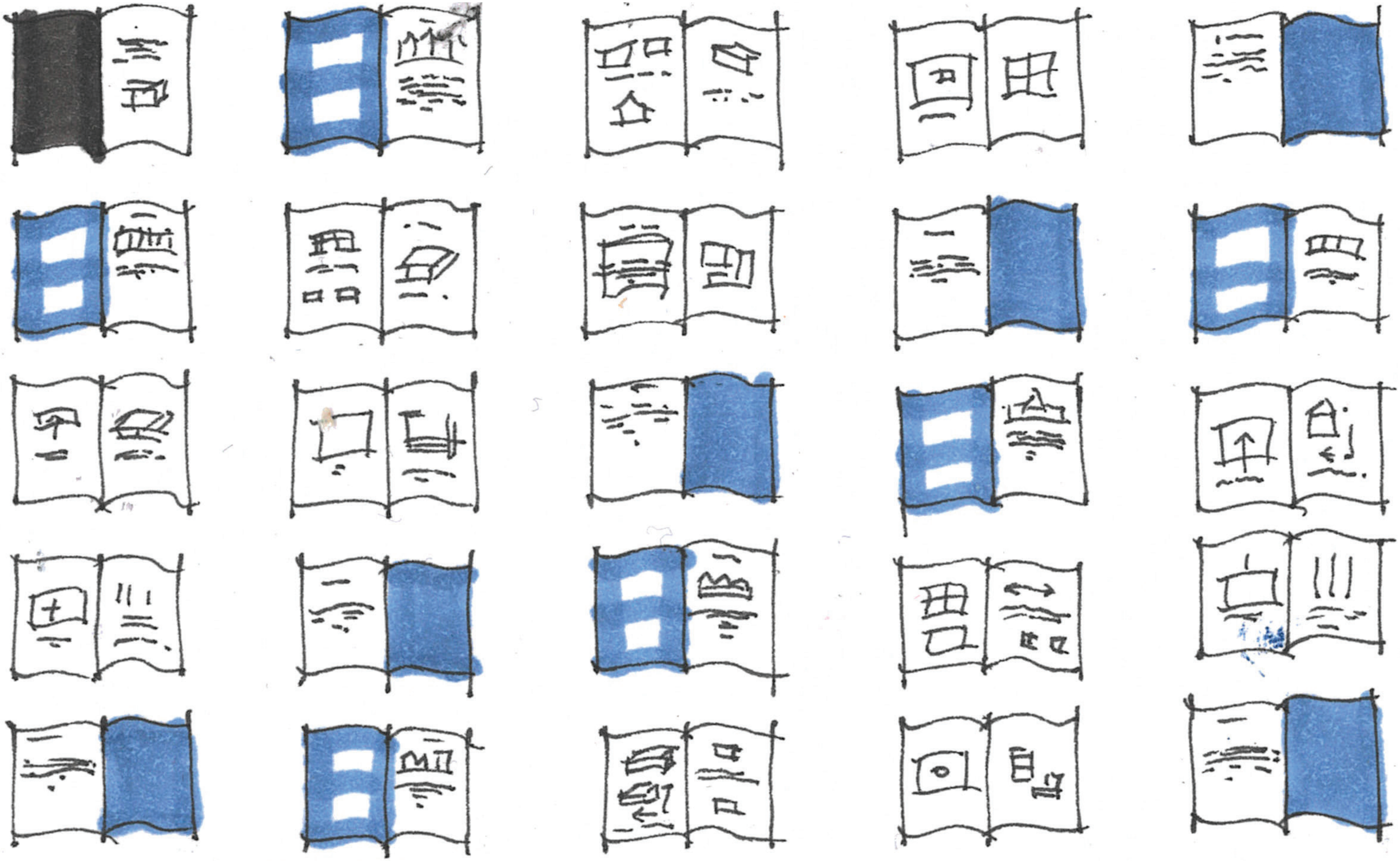
Transparent Roof

Gallery

Mixed-Use

Open Air

BOOKLET



TYPE: STRUCTURE

Photo

Street, **Location** *(source)*

Photo

Street, **Location** *(source)*

TYPE

Sketch of Facade

Introduction and de-scription of type.

Sketch

Explanation

Sketch

Explanation

Sketch

Explanation

Sketch

Explanation

Plan: Urban

location: Rijnstraat, Plan Zuid

20 m

one shop of this type

shops of the same type

other buildings

Plan: Accessibility

Text.

TRANSFORMATION POTENTIAL

Text.

TYPE: EXAMPLE

19

INNER CITY - **AMSTERDAMSE SCHOOL**



Rijnstraat, **Amsterdam-Zuid** *(bron: google maps)*

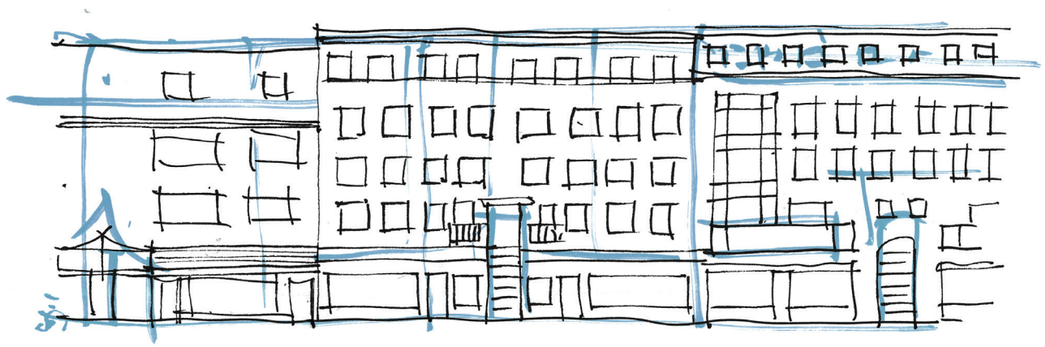


Rijnstraat, **Amsterdam-Zuid** *(bron: funda)*

20

Inner City

AMSTERDAMSE SCHOOL



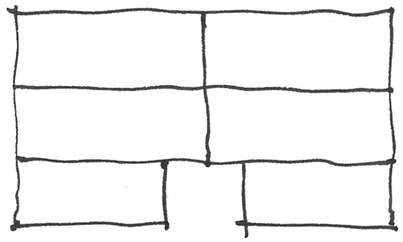
Although seemingly similar to ‘Revolution Build’, this is a type of its own. It can be found in big cities such as Amsterdam and Rotterdam, but never in villages and rarely in smaller cities.

The shop space is part of the original design. Access to the shop is completely separate from that of the houses on floors above, which can be reached via an open-air staircase - part of-, but on the outside of the building. This makes it practically impossible to remove the access to the higher floors - the shop front already covers the maximally possible width of the plinth.

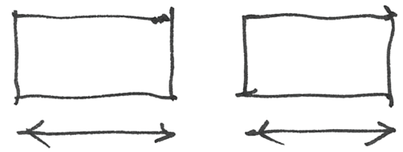
Shop spaces are very exposed: a large glass shop front edges directly on the sidewalk, without any threshold if not covered. The sidewalk and street are broad and busy, street noise is typical here.

21

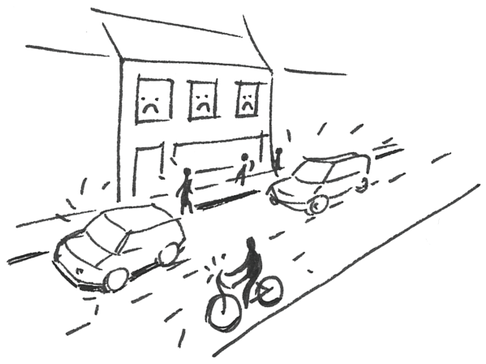
INNER CITY - **AMSTERDAMSE SCHOOL**



Spaces (shops and houses) ***are switched both horizontally and vertically****, with a central external staircase leading to the front doors of the upper floors. All doors located on the ground floor level give direct access to spaces on the ground floor.*

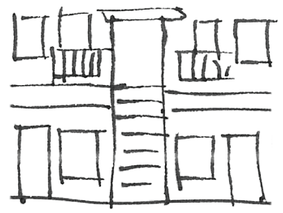


the shop front takes ***the entire width of the plinth*** *of the spaces behind*

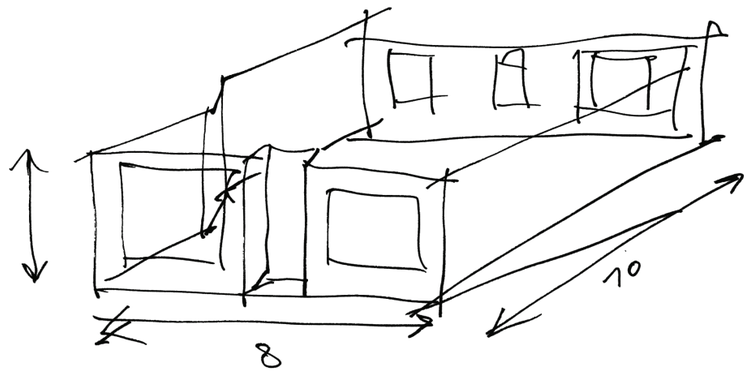


shops are always situated on broad, busy streets with ***broad pedestrian paths*** *and multiple traffic lanes in both directions (tram, bicycle, car, bus), so there is* ***street noise*** *and* ***very little privacy***

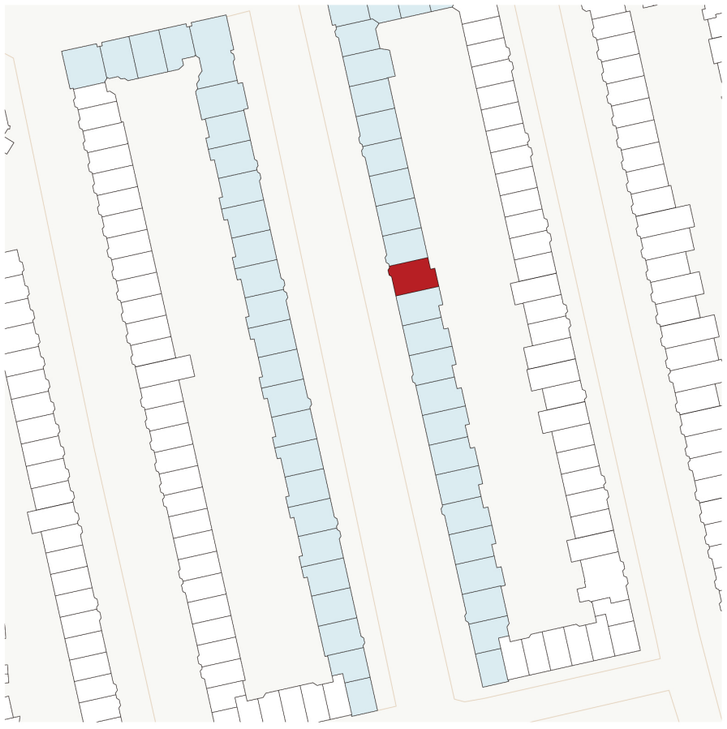
22



open air staircase gives access to the floors above



the ground floor is wide for its depth, allowing multiple possible organisations



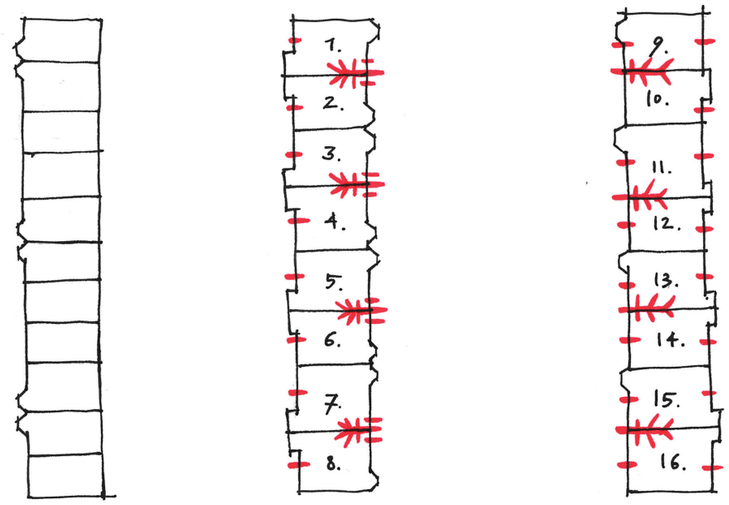
location: Rijnstraat, Plan Zuid

20 m

one shop of this type

shops of the same type

other buildings



Multiple access ways on the front: one leading into the shop, and others via an outdoor staircase directly into the apartments. There is an extra access on the back side that leads to the garden.

TRANSFORMATION POTENTIAL

The shop space can easily be transformed into a house because of the generous sizes of the plan, but spaces facing the street have very little privacy and often suffer from street noise. This could be solve by creating a border (the sidewalks are very broad), such as a small garden on the front.

ADD-ON: EXAMPLE

23

GALLERY

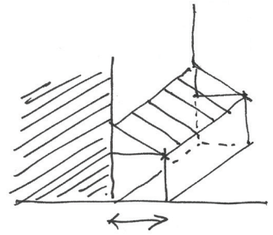


Raadhuisstraat, **Amsterdam Centrum** *(bron: google maps)*

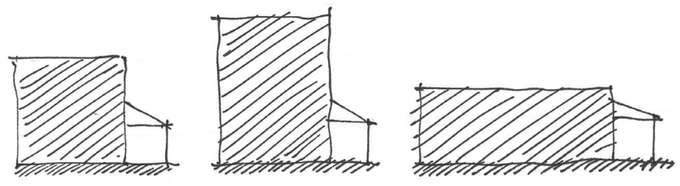
ADD-ONS

GALLERY

A gallery is a roofed walkway (typically pedestrian-only, but sometimes with a cycling lane) directly connected to the facade of a building, that protects pedestrians against the weather. The roof structure blocks direct access of sunlight on the façade (and in the spaces behind), and the buiding behind can only be reached by passing it, adding an extra layer of privacy. A gallery can have any shape, size, style or material. It can be part of the original design or added later on.



*some shop fronts are '**shielded' from the street and traffic with a gallery**.*



***any building can have a gallery** attached to it*

TRANSFORMATION POTENTIAL

If a gallery blocks sunlight from directly entering the interior spaces of the building, it could be removed. This may be fairly easy to do if it is not part of the original construction of the building. Instead of removing the entire gallery, it may also be possible to only remove parts of the roof to let sunlight through. In this way, the structure can still function as a border between public and private.

TYPICAL PROBLEMS

LACK OF DAYLIGHT

ABSENCE MINIMAL TECHNICAL FACILITIES

INADEQUATE TECHNICAL QUALITIES

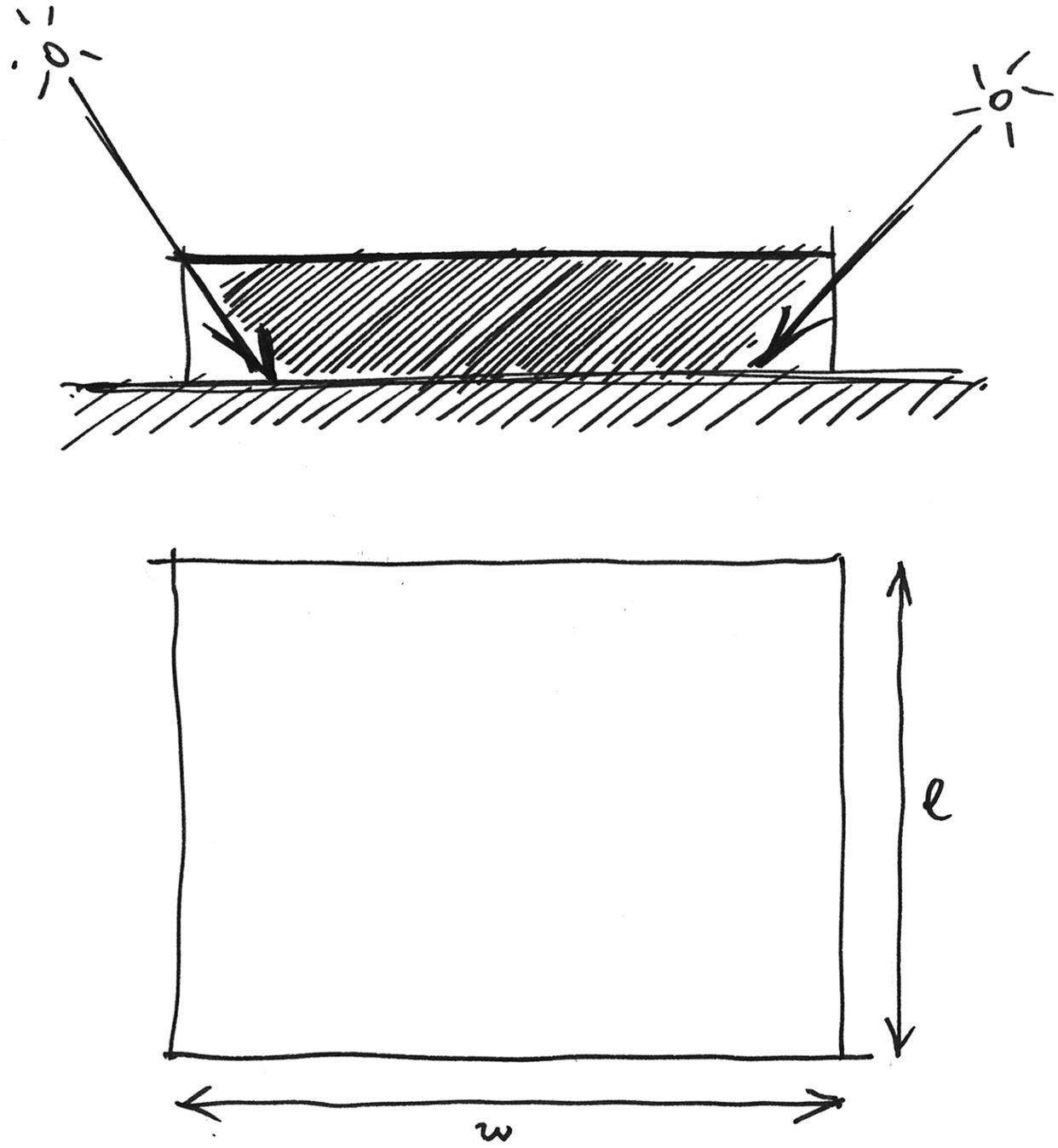
LIMITED ACCESS POSIBILITIES

NUISANCE

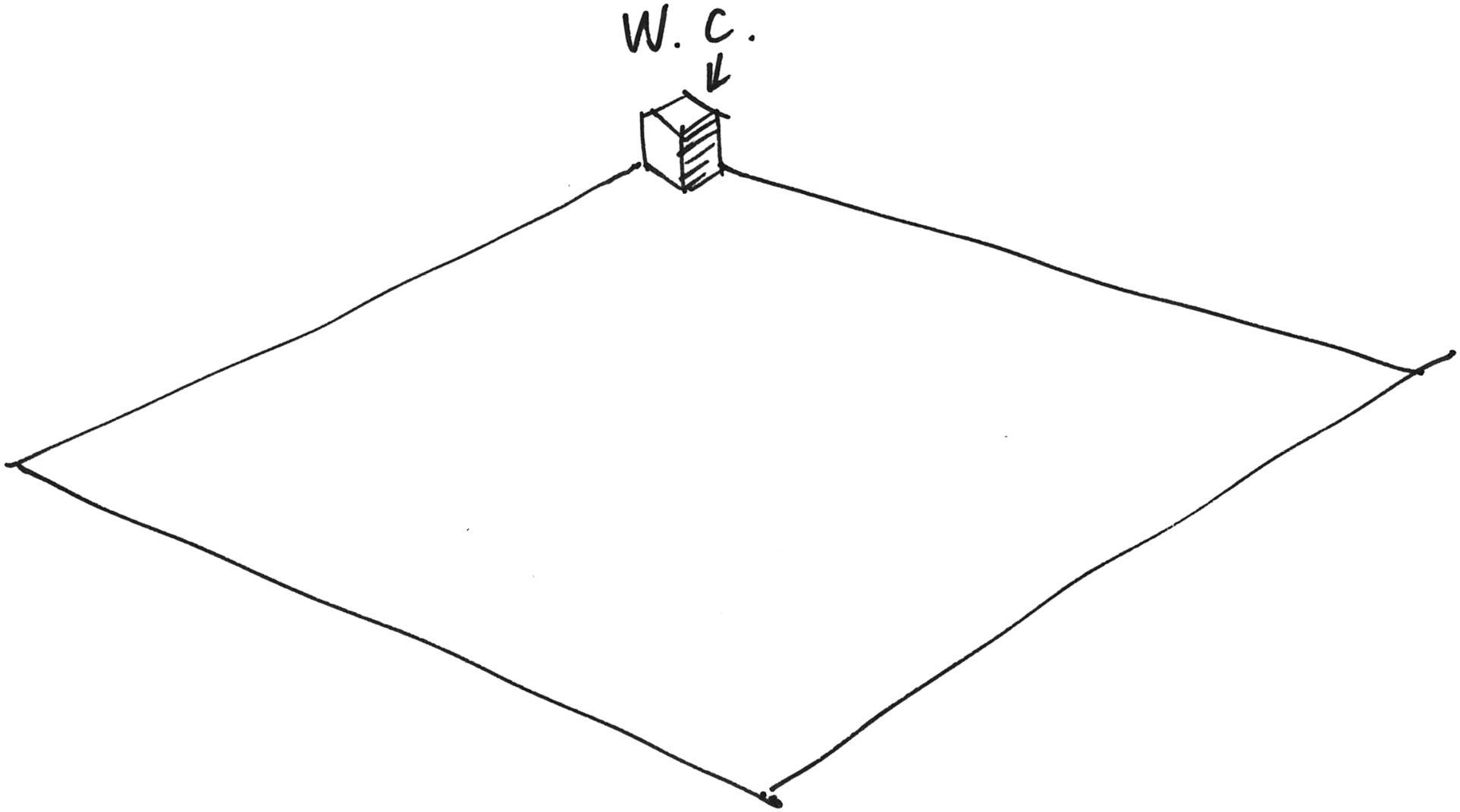
LACK OF PRIVACY

NOT SUITED FOR ALL TARGET-GROUPS

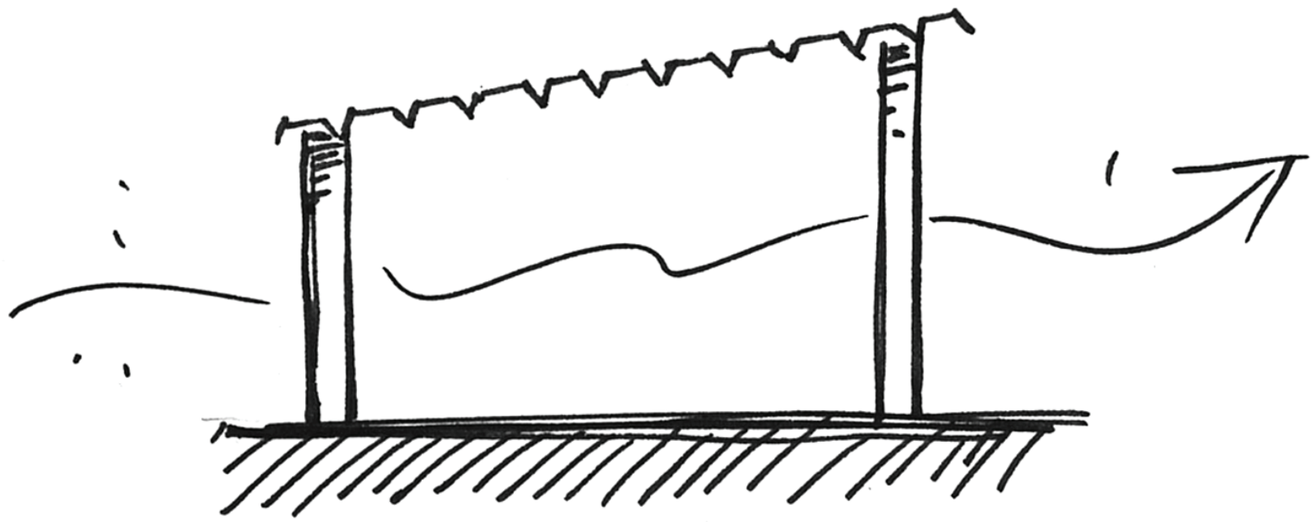
UNPLEASANT LIVING ENVIRONMENT



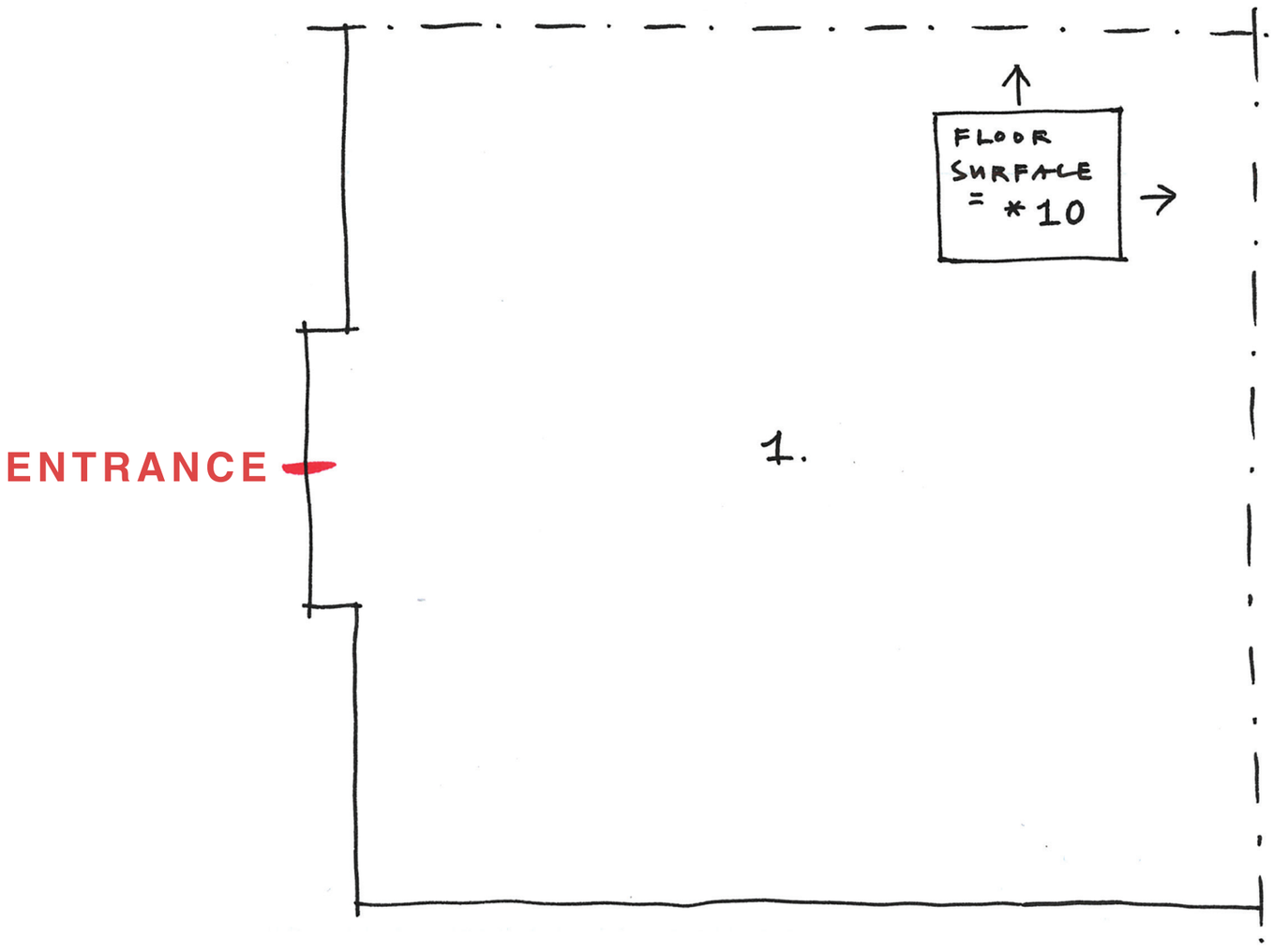
lack of daylight *because of the large floor surface*
(and sometimes no windows)



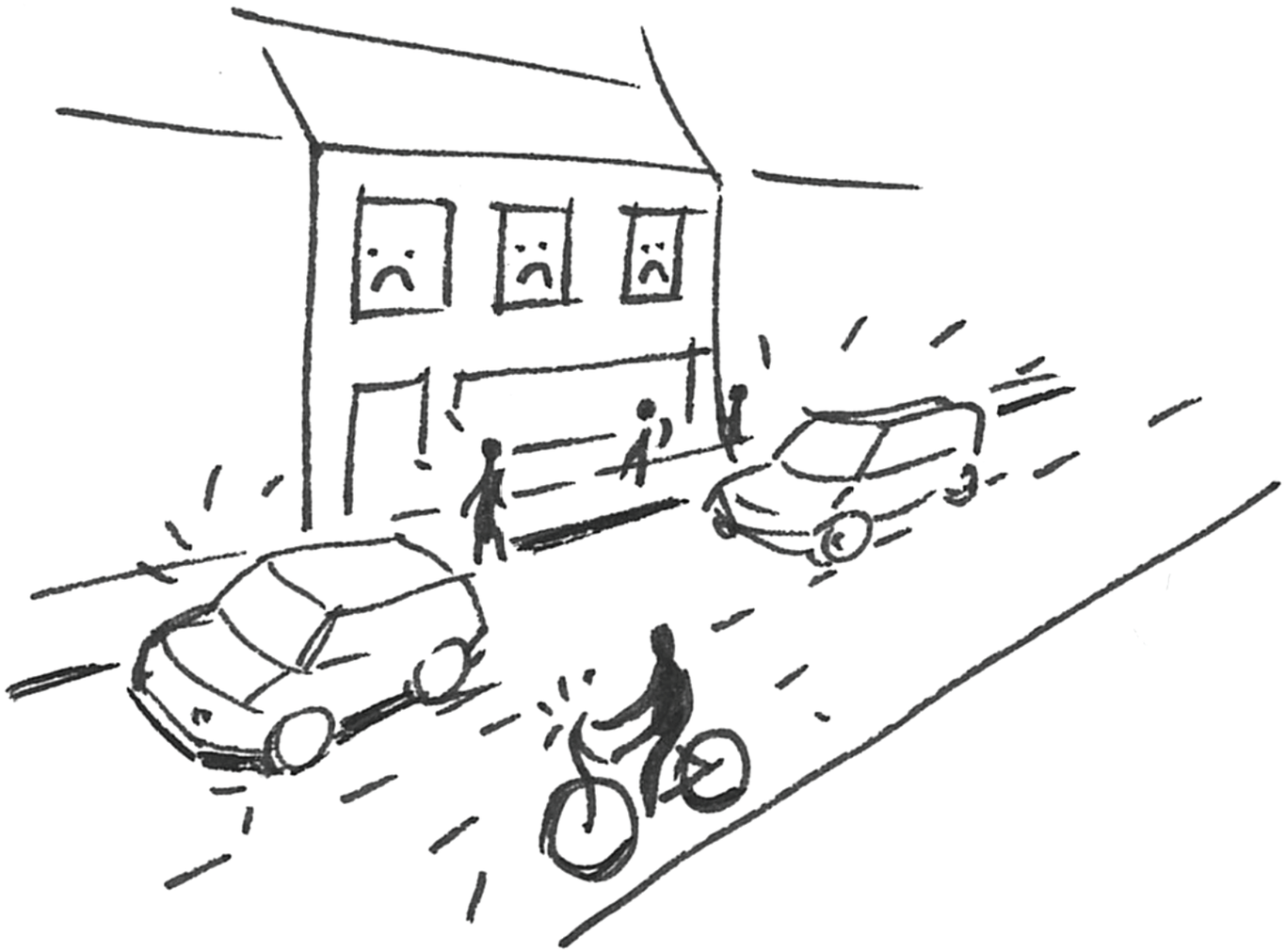
absence minimal technical facilities (no installations)



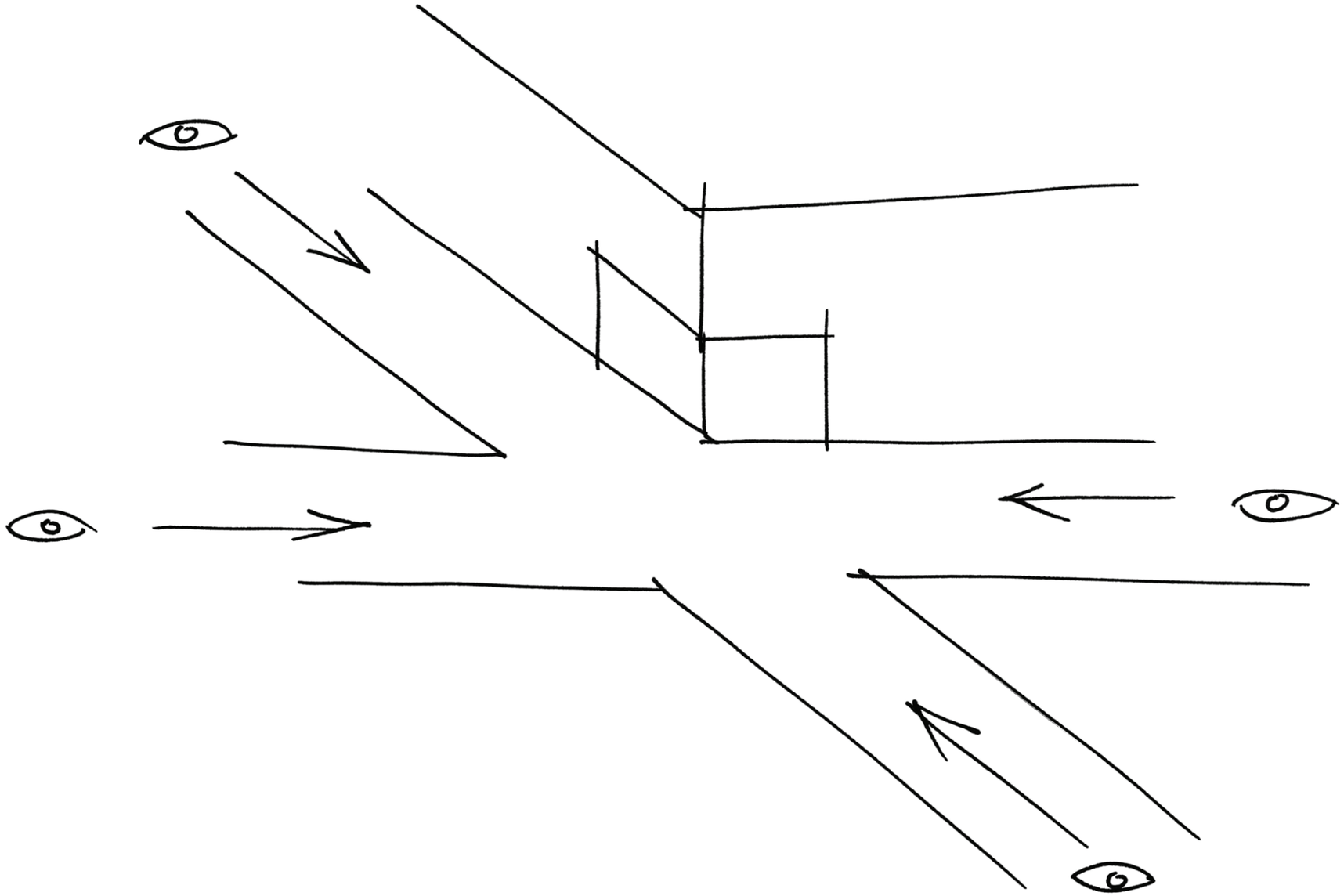
inadequete technical qualities (building construction)



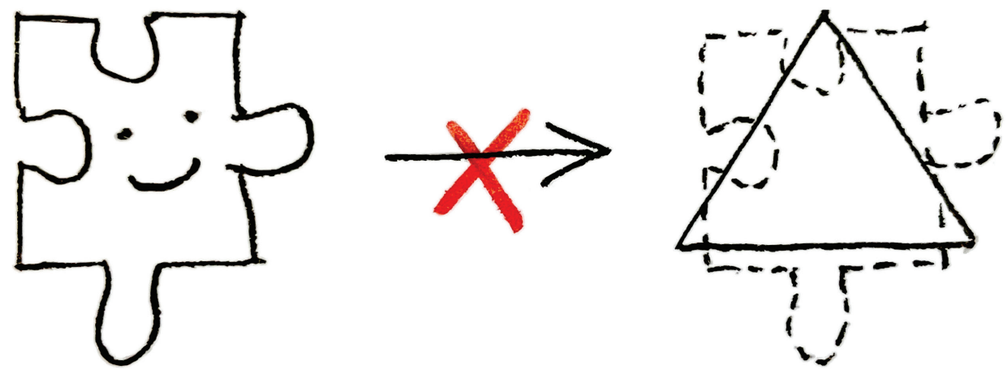
limited access possibilities



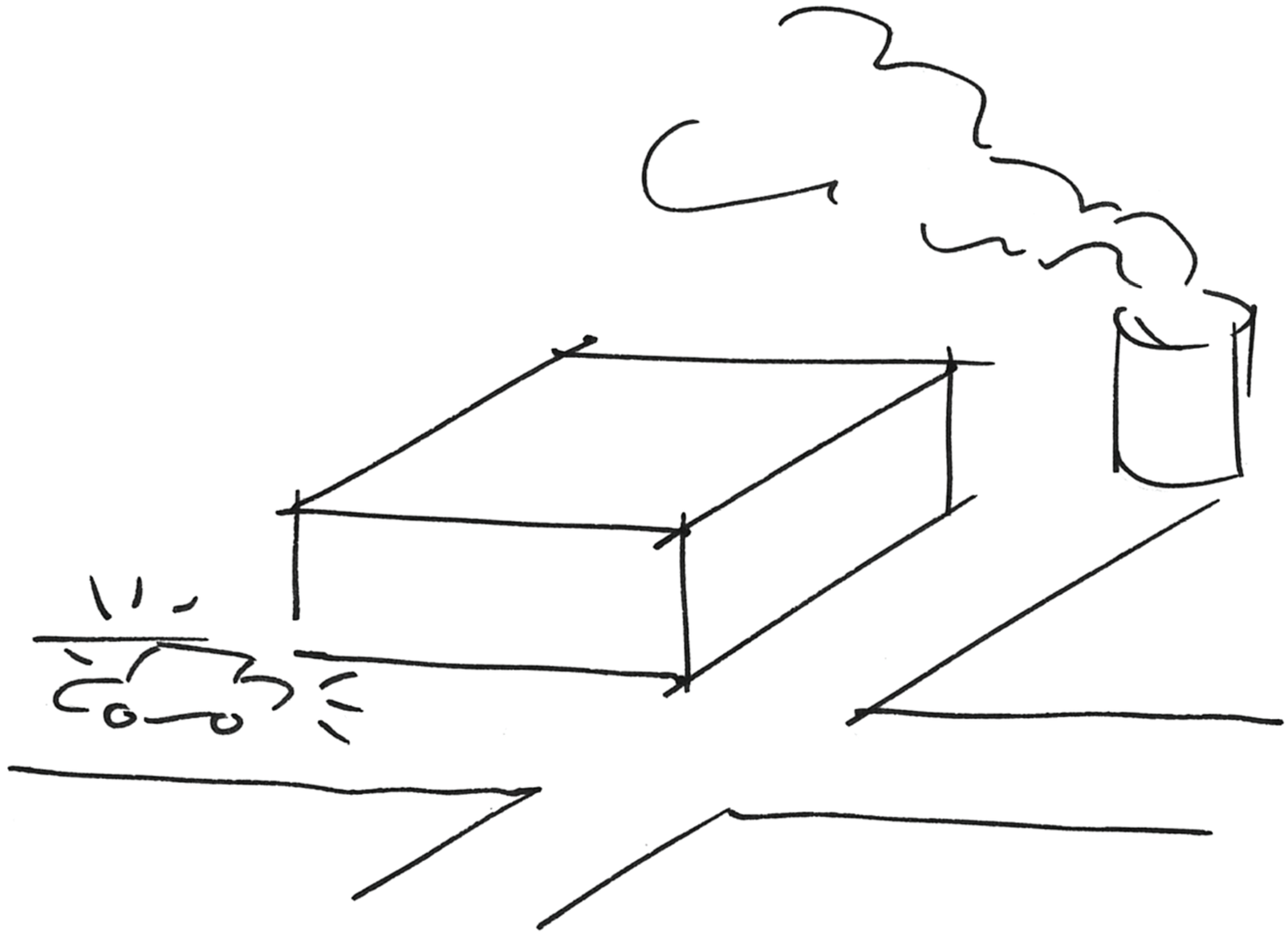
nuisance



lack of privacy



not suited for all target groups



unpleasant living environment

TYPICAL PROBLEMS

LACK OF DAYLIGHT

ABSENCE MINIMAL TECHNICAL FACILITIES

INADEQUATE TECHNICAL QUALITIES

LIMITED ACCESS POSIBILITIES

NUISANCE

LACK OF PRIVACY

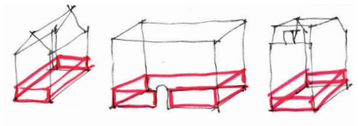
NOT SUITED FOR ALL TARGET-GROUPS

UNPLEASANT LIVING ENVIRONMENT

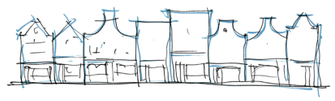
DESIGN: ***CASE STUDY***

A CHALLENGE / A CHANCE

TYPOLOGY



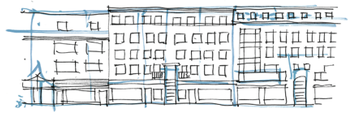
INNER CITY



HISTORIC



REVOLUTIEBOUW



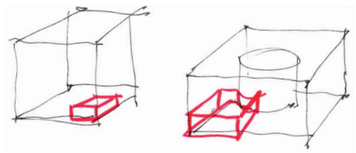
A'DAMSE SCHOOL



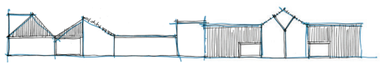
POST-WAR



NEIGHBOURHOOD



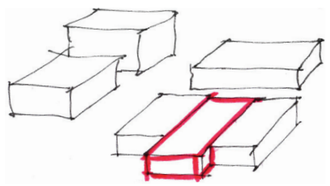
SHOP COMPLEX



SHOP CENTER



DEPARTMENT STORE



RETAIL ZONE



SMALL SIZE



BIG SIZE

ADD-ONS

Large Surface

Transparent Roof

Gallery

Mixed-Use

Open Air



RETAIL ZONE / SMALL SIZE



RETAIL ZONE / SMALL SIZE



1. ALREADY PAVED / NO RESIDENTIAL AREA IN ‘THE GREEN’

2. TRANSFORMATION IS NOT (YET) COMMON

3. SIMILAR AREAS ALL OVER THE COUNTRY

4. TRANSFORMATION OF ENTIRE AREA

5. CHALLENGING: REQUIRES CREATIVITY / INNOVATION

6. EXPLORE FLEXIBILITY ON MULTIPLE SCALES

ASSIGNMENT...



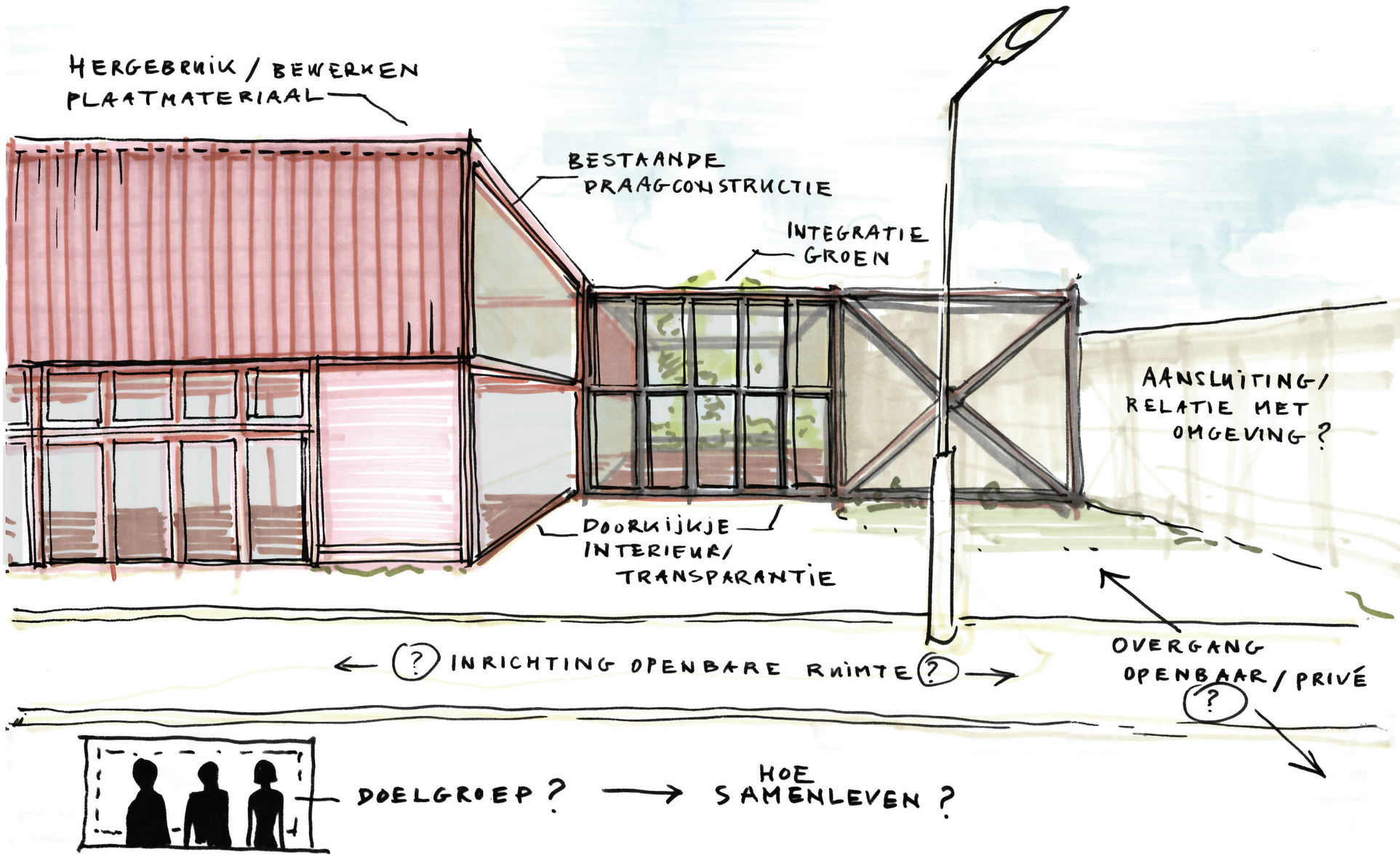


RETAIL BUSINESS PARK

RESIDENTIAL AREA

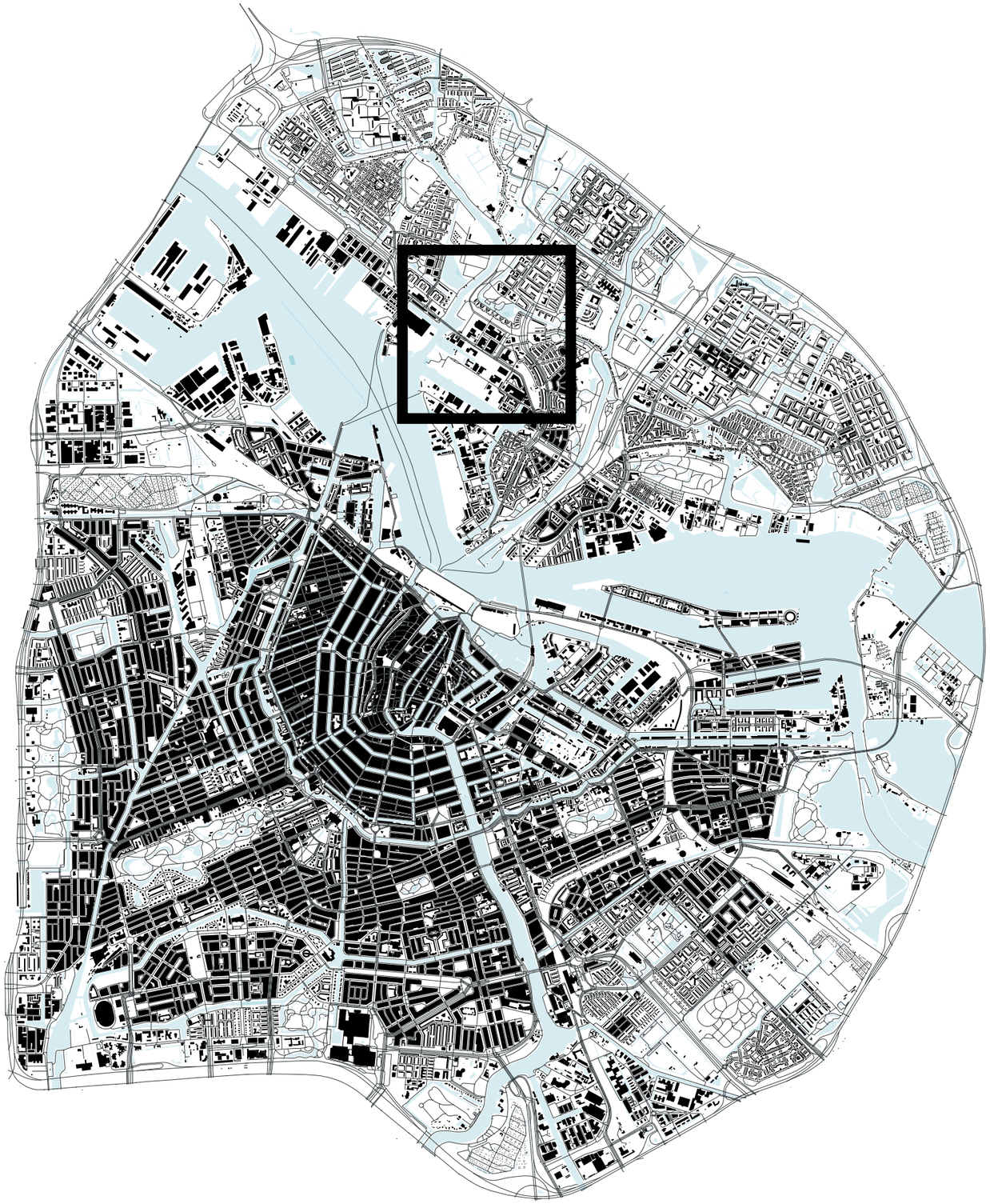
ASSIGNMENT...

TIME MONEY FLEXIBILITY



LOCATION

AMSTERDAM-NOORD



OUD-NOORD



NOORDELIJKE IJ-OEVERS

WEST



VOLEWIJCK

KLAPROZENBUURT





BUILT ENVIRONMENT

EXISTING BUILDING

0 20 100 meter

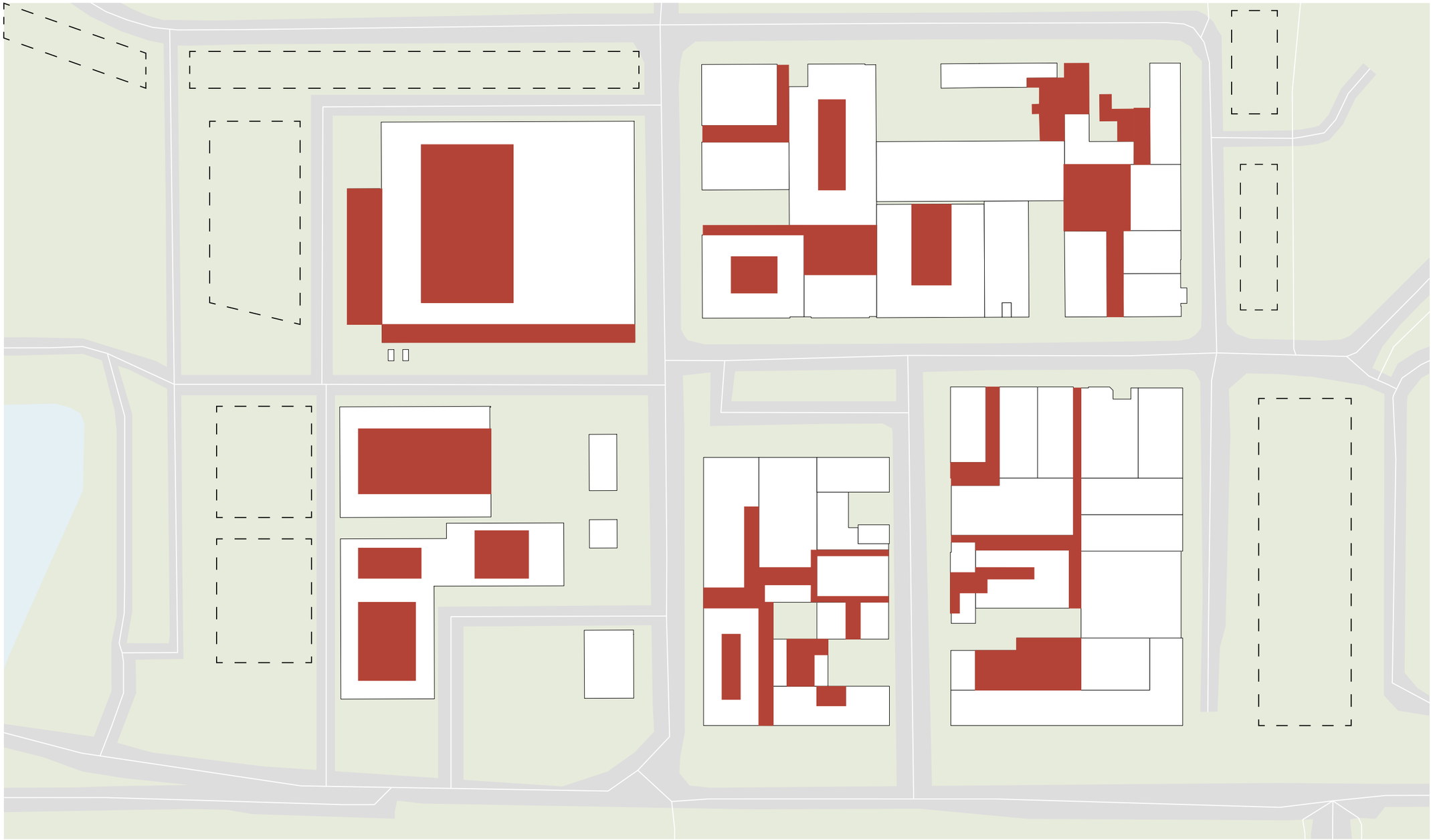
N

NO DAYLIGHT



NO ACCESS





BUILT ENVIRONMENT

(KEEP) EXISTING BUILDING

REMOVE

DENSIFY

0 20 100 meter

N

NUISANCE



NUISANCE





SOCIAL

BUILDING BLOCKS

DWELLING

COMMERCE

0 20 100 meter

N



0 20 100 meter

N


carpenright.

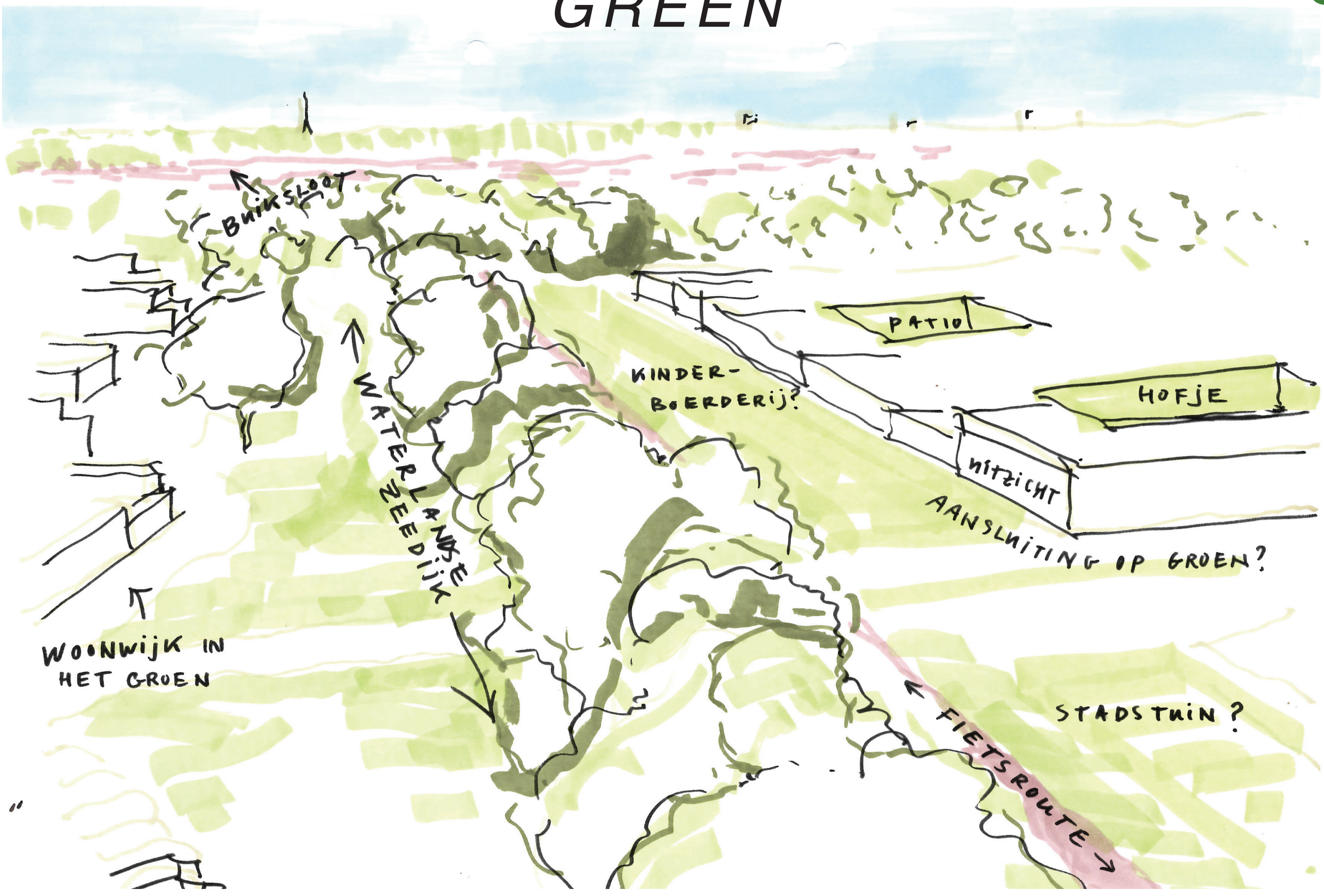
HARD



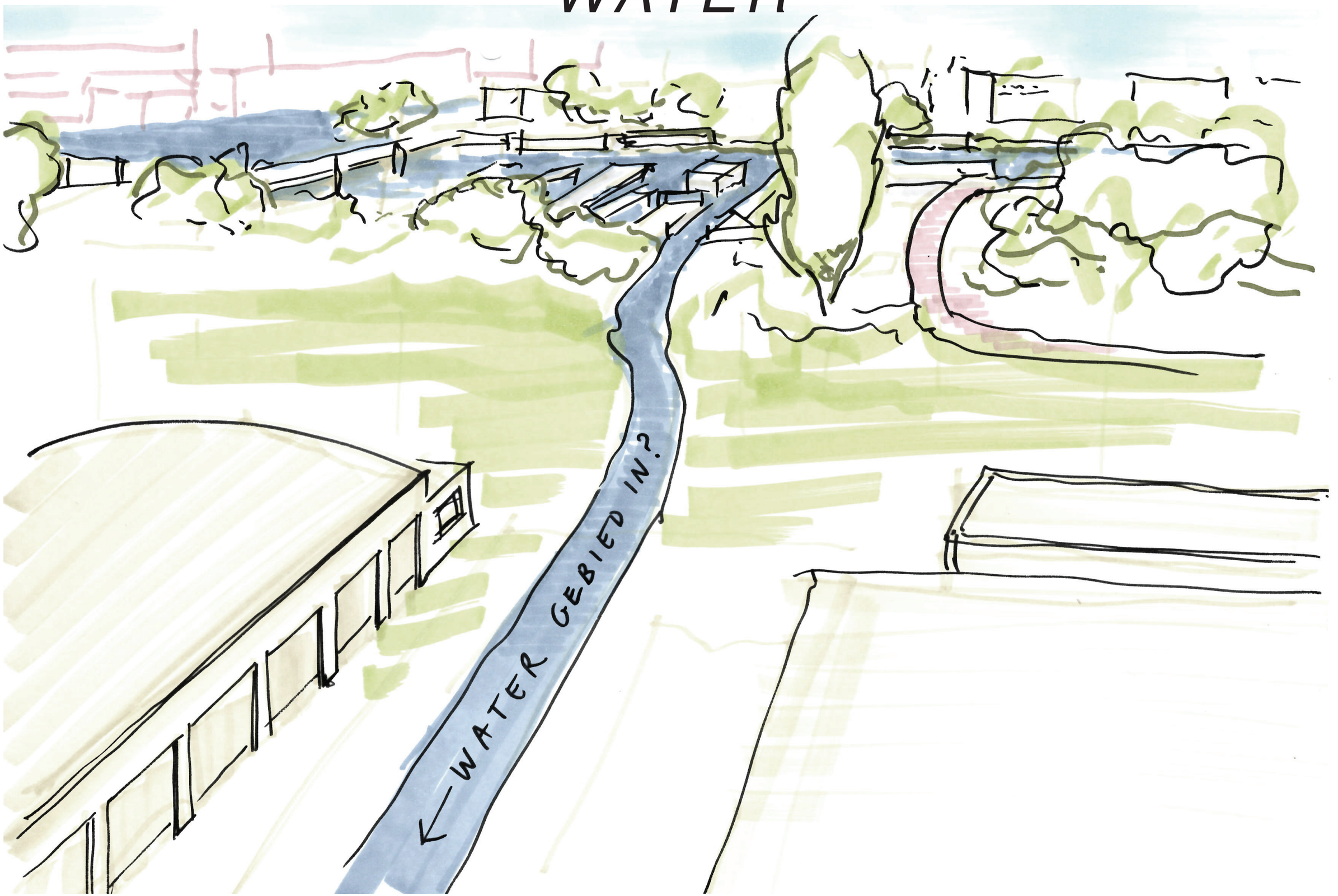
LIVABILITY

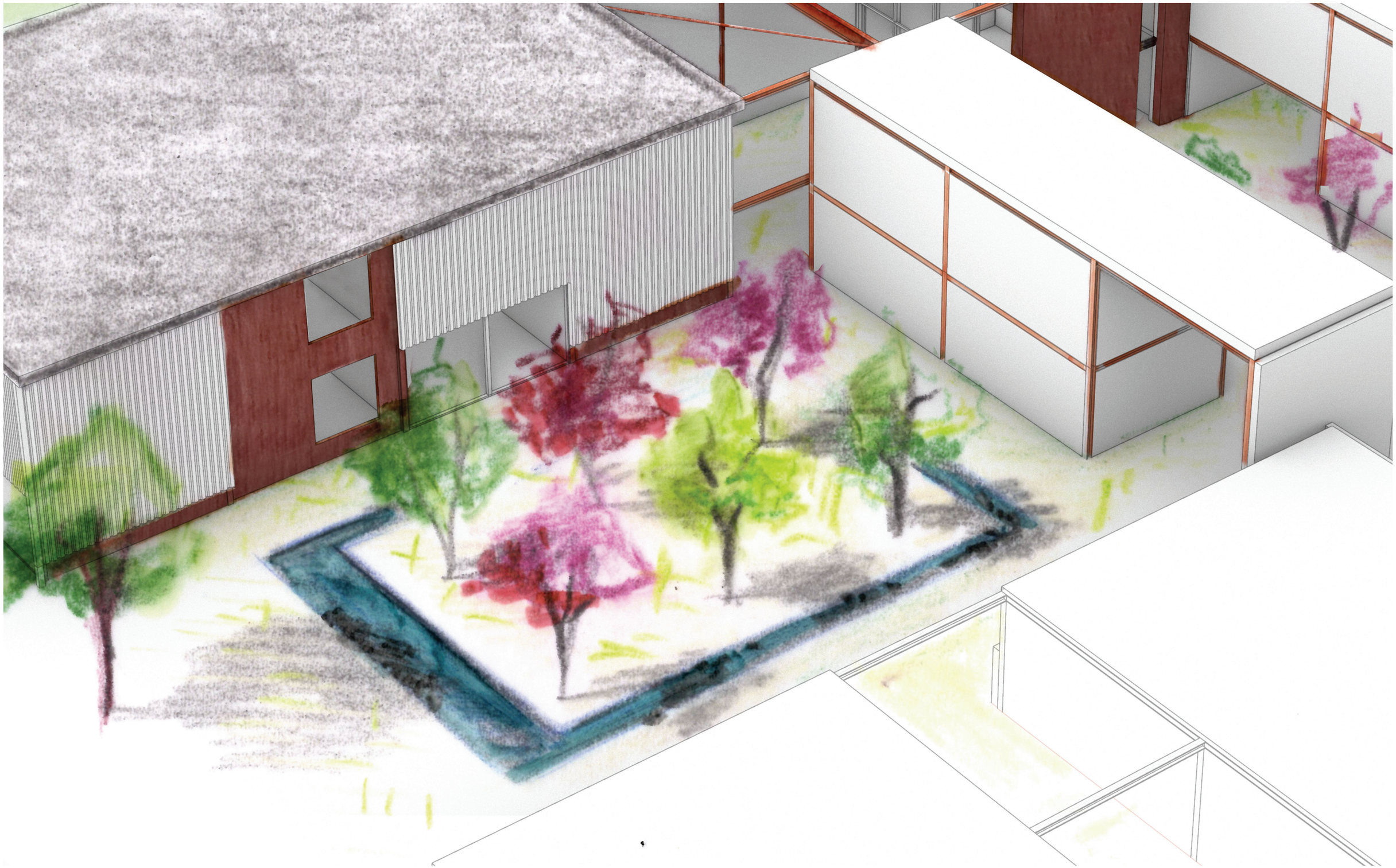

WONEN
HOF
WONEN
HOF
KANTOOR
STADSTUIN ?
FIETSROUTE
DIJK...
WATER
WONEN
HOF
HOF
HOF
TUIN
WINKEL
VEILIGE OVERGANG
PLEIN
WINKEL
HOF
HOF
HOF
HOF
HOF
TUIN
WOONGEMEENSCHAP
HOF
KINDERBOERDERIJ
TUIN
HOF
HOF
HOF
HOF
PLEIN
DOORGANG
HOF
HOF
TUIN
HOF
HOF
WONEN

GREEN


BUIKSLOOT
WATERLANDSE ZEEDIJK
KINDER-BOERDERIJ?
PATIO
HOFJE
UITZICHT
AANSLUITING OP GROEN?
WOONWIJK IN HET GROEN
FIETSROUTE
STADSTUIN?

WATER







NO PRIVACY


Liv
Liv
BEEKHOVEN BIKES
GIANT
interior design
carpets
lighting
SLIJPERWEG
RIDE LIFE.
RIDE GIANT.
Liv Beyond M

CARS

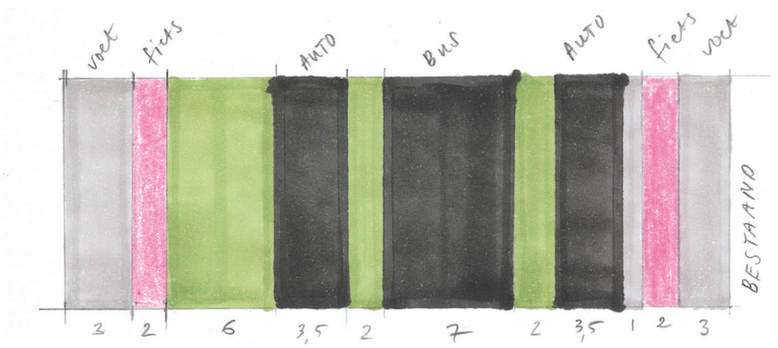

AIRCO SERVICE
GARAGE NRD
APK STATION
020 - 636 23 39
www.garagenrd.nl
APK
KwikFit
AUTOSERVICE
✓UITLEZEN & DIAGNOSE ✓BANDEN ✓ACCU'S
✓UITLAAT ✓ONDERHOUD ✓REPARATIE ✓ELEKTRA
AUTO SLEUTEL SERVICE
24 UUR VIDEO
Greenest Carwash

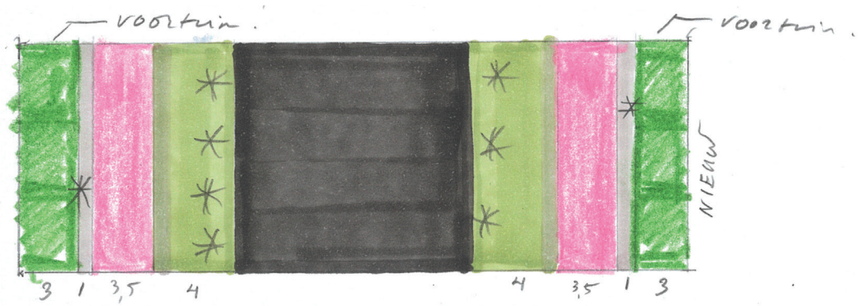
REDESIGN STREET

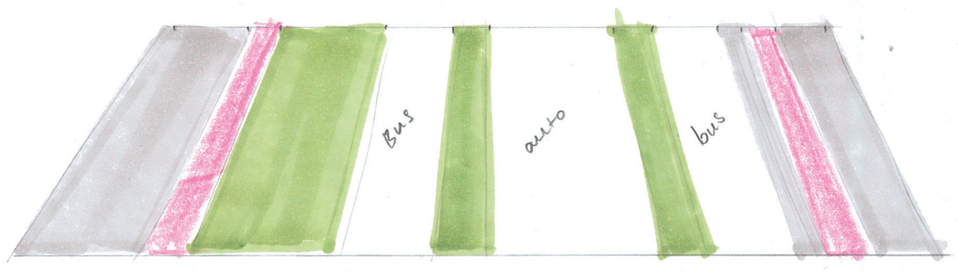




REDESIGN STREET







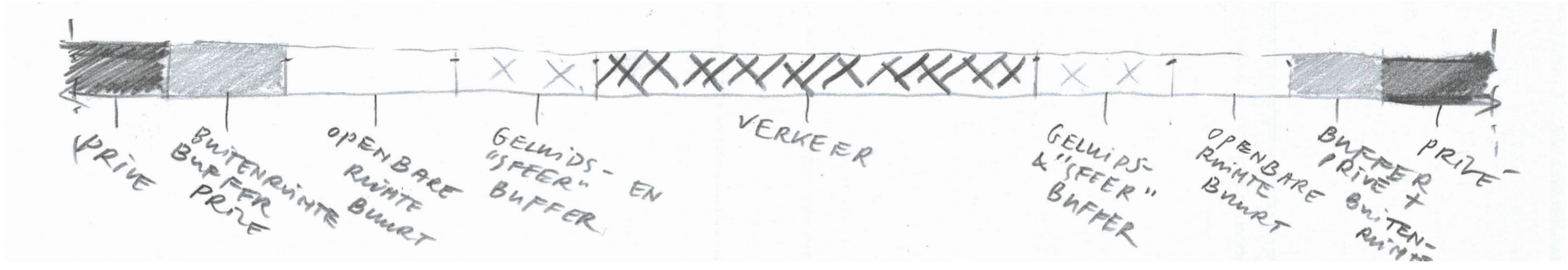


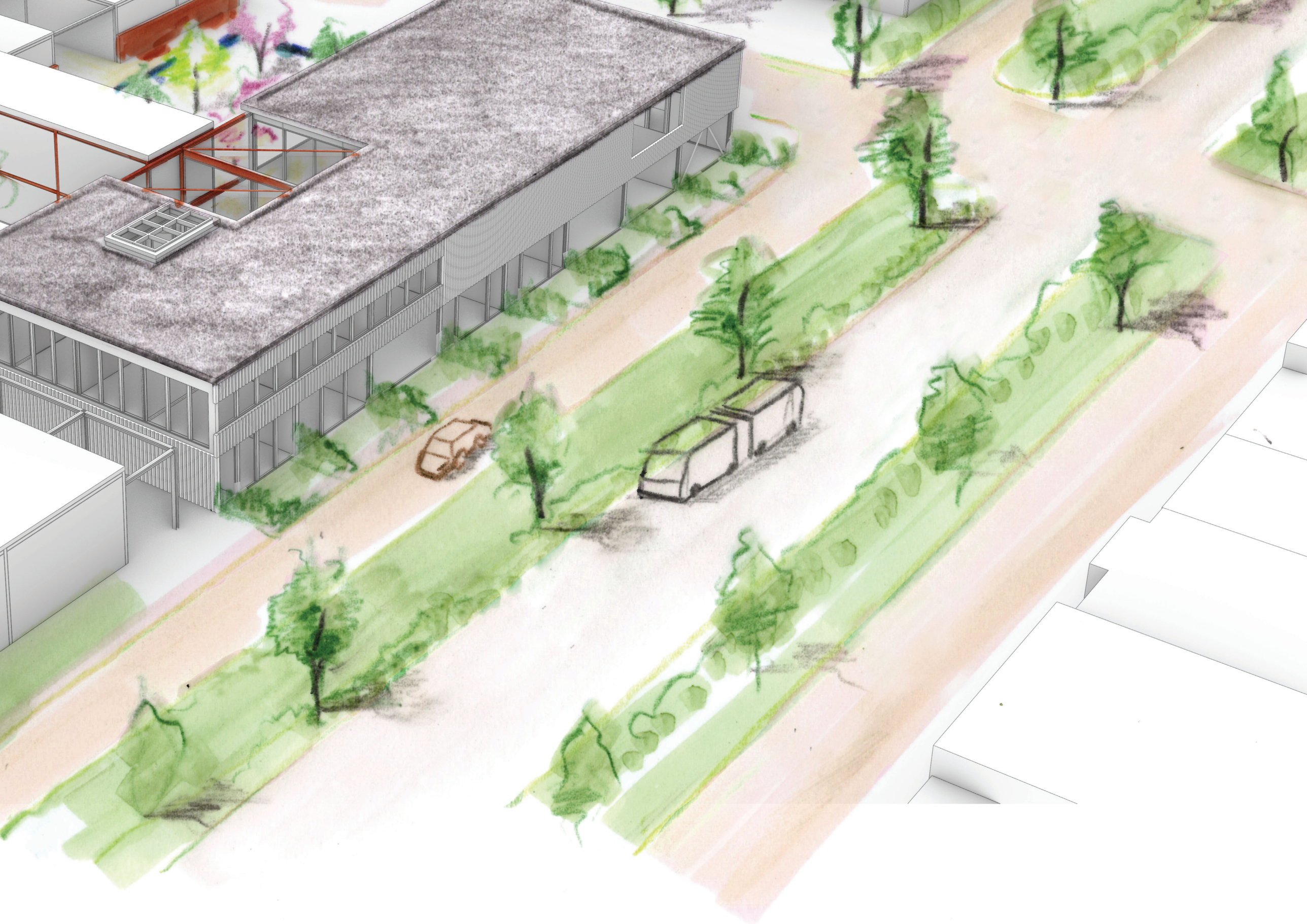
CURRENT SITUATION

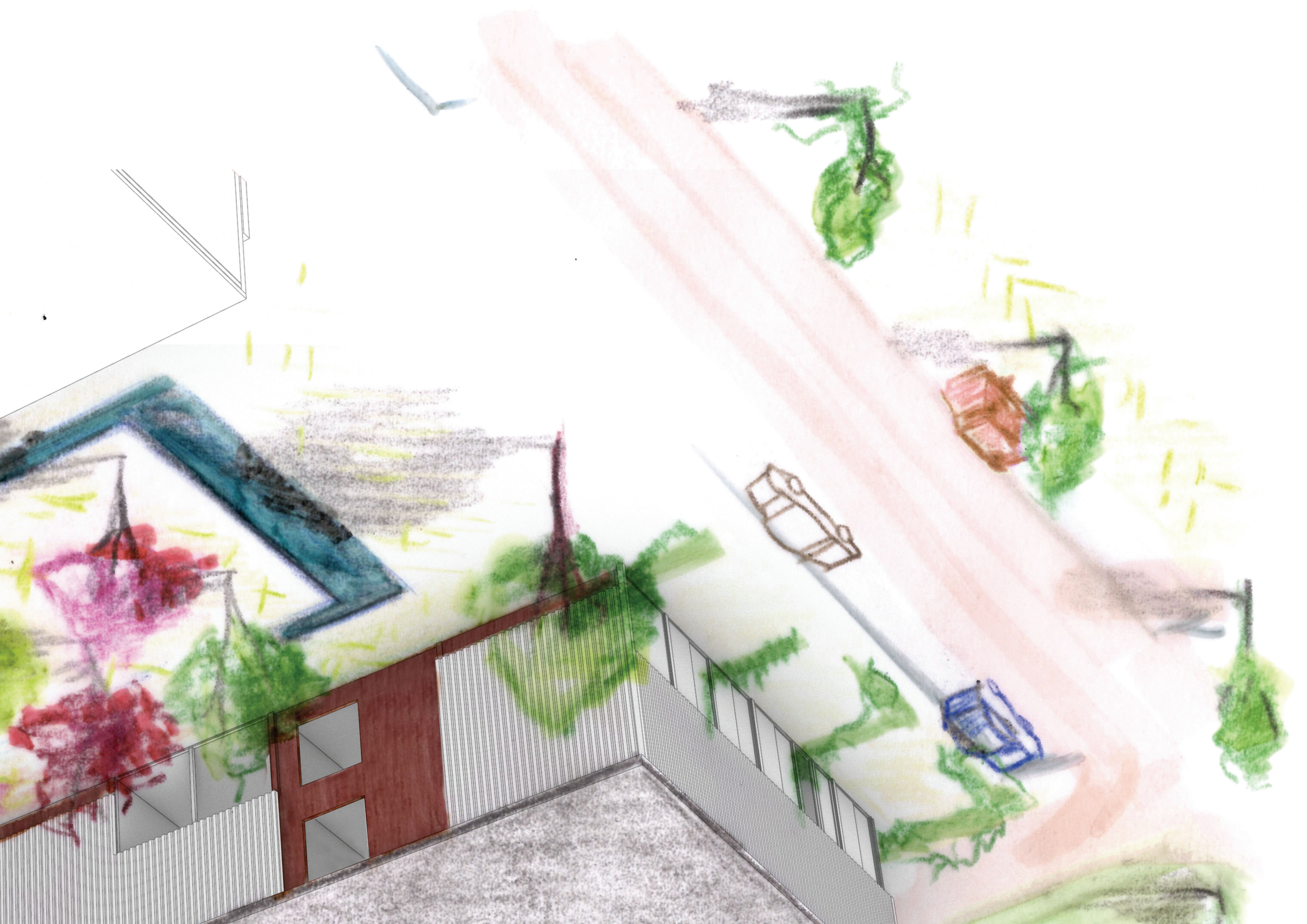
FUTURE SITUATION

REDESIGN STREET



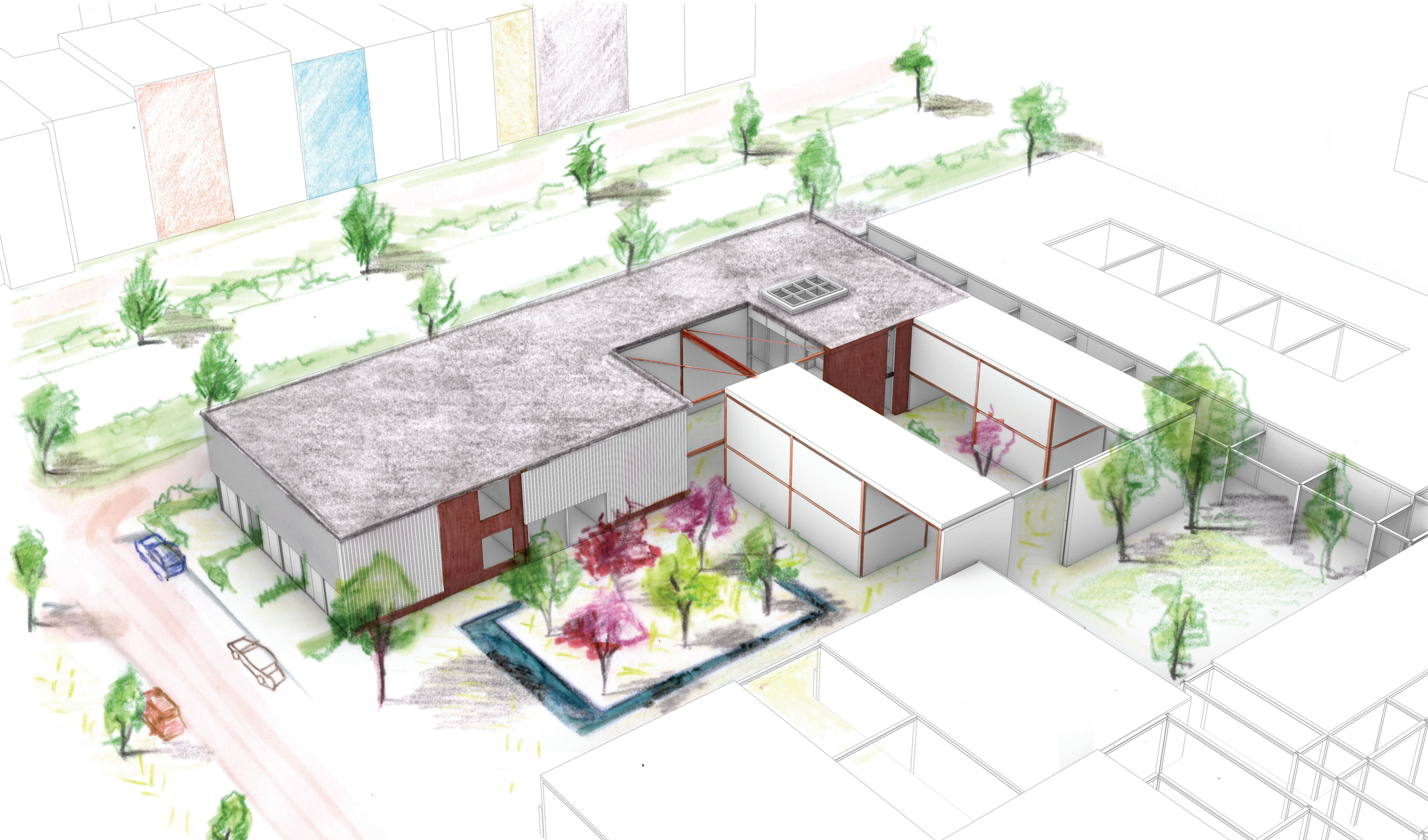







PARKING
PARKING
PARKING
PARKING
SLOW TRAFFIC
BUSY TRAFFIC





PARKING

PARKING

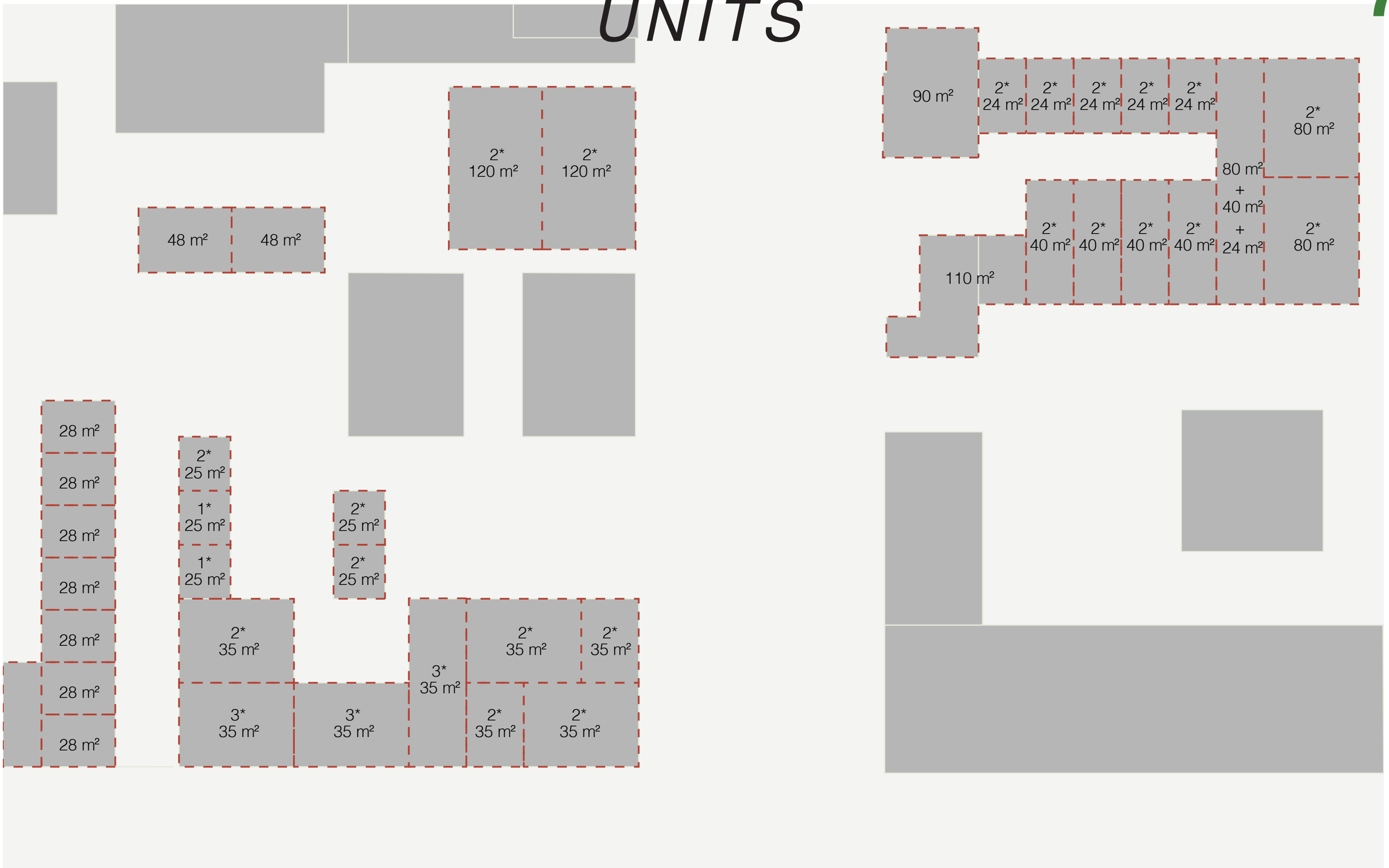
PARKING

PARKING

SLOW TRAFFIC

BUSY TRAFFIC

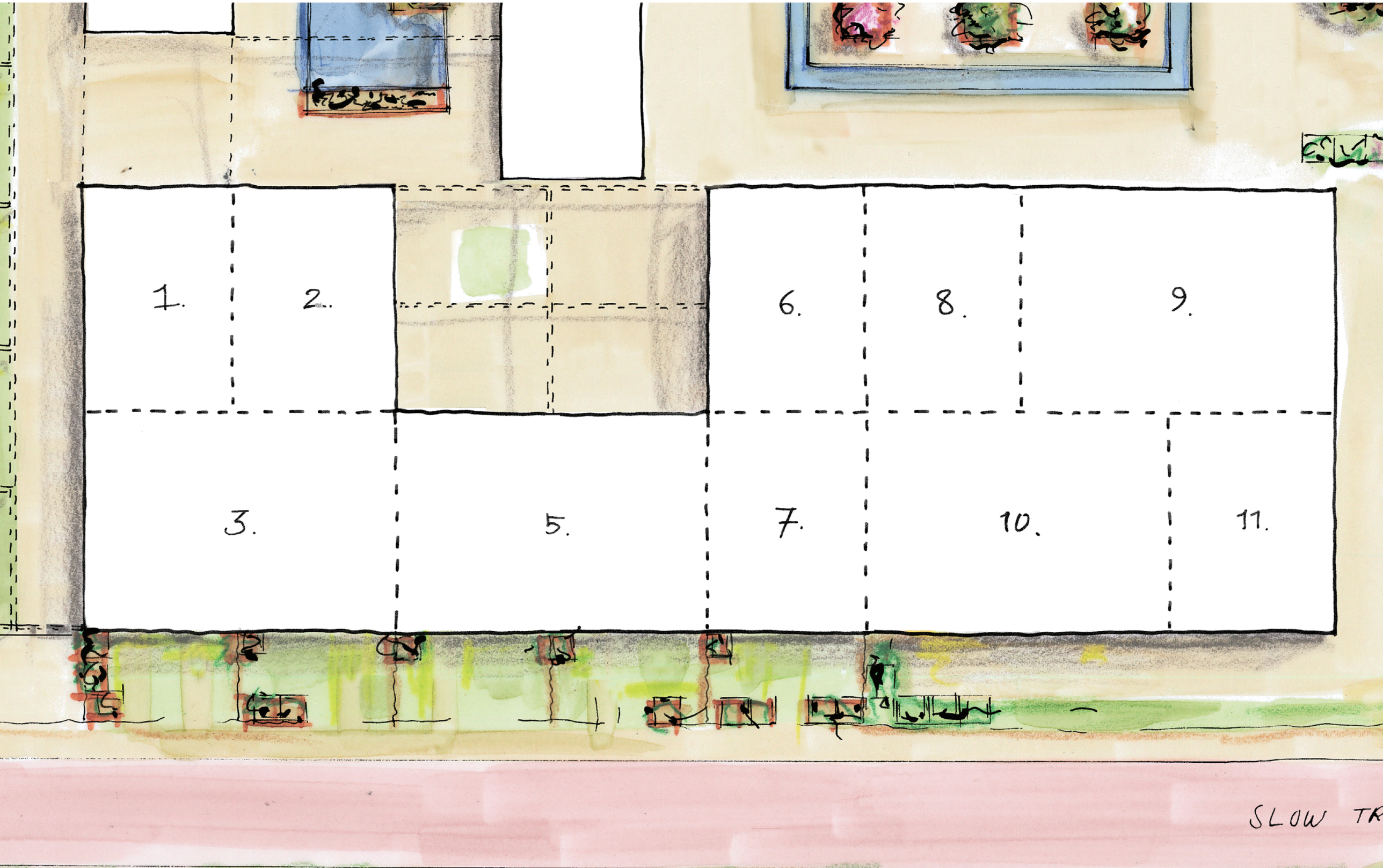
UNITS


90 m²
2* 24 m²
2* 24 m²
2* 24 m²
2* 24 m²
2* 24 m²
2* 80 m²
80 m² + 40 m² + 24 m²
2* 40 m²
2* 40 m²
2* 40 m²
2* 40 m²
2* 80 m²
110 m²
2* 120 m²
2* 120 m²
48 m²
48 m²
28 m²
28 m²
28 m²
28 m²
28 m²
28 m²
28 m²
2* 25 m²
1* 25 m²
1* 25 m²
2* 25 m²
2* 25 m²
2* 35 m²
3* 35 m²
3* 35 m²
3* 35 m²
2* 35 m²
2* 35 m²
2* 35 m²
2* 35 m²
0
4
20 meter
N

UNITS

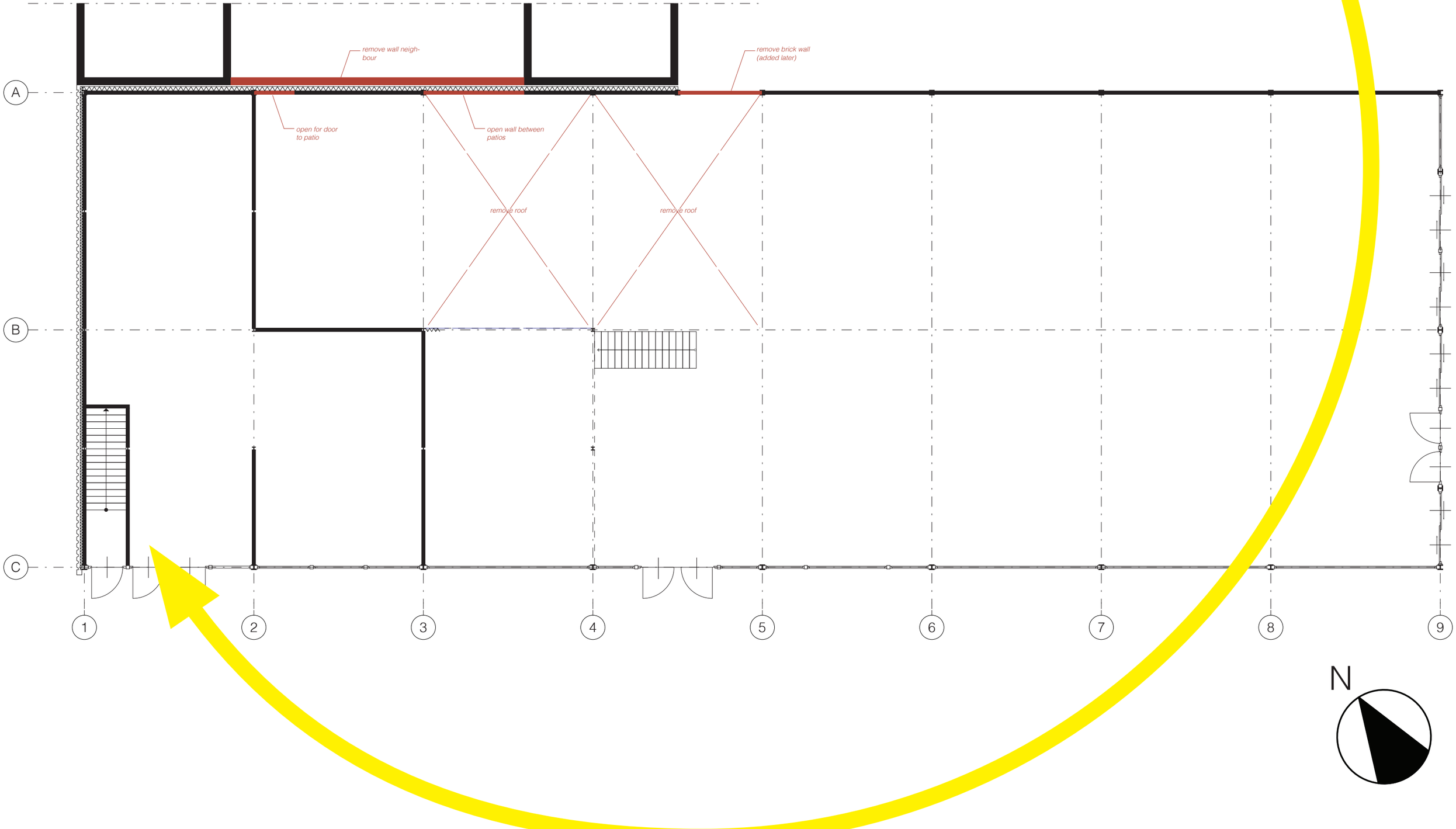

1.
2.
3.
5.
6.
7.
8.
9.
10.
11.
PARKING
PARKING
PARKING
SLOW TRAFFIC
BUSY TRAFFIC
0
4
20 meter
N

FLEXIBILITY

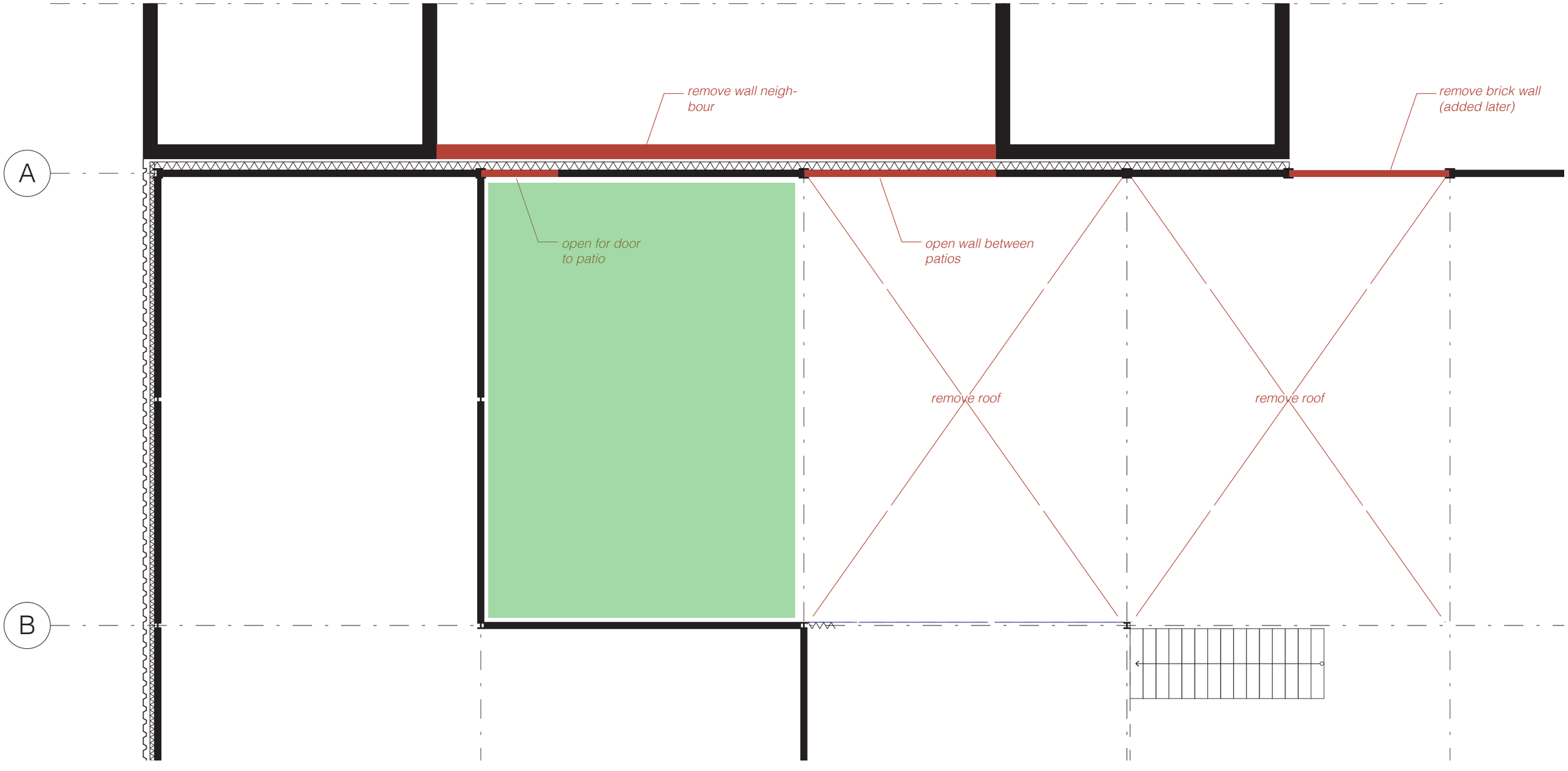


DAYLIGHT

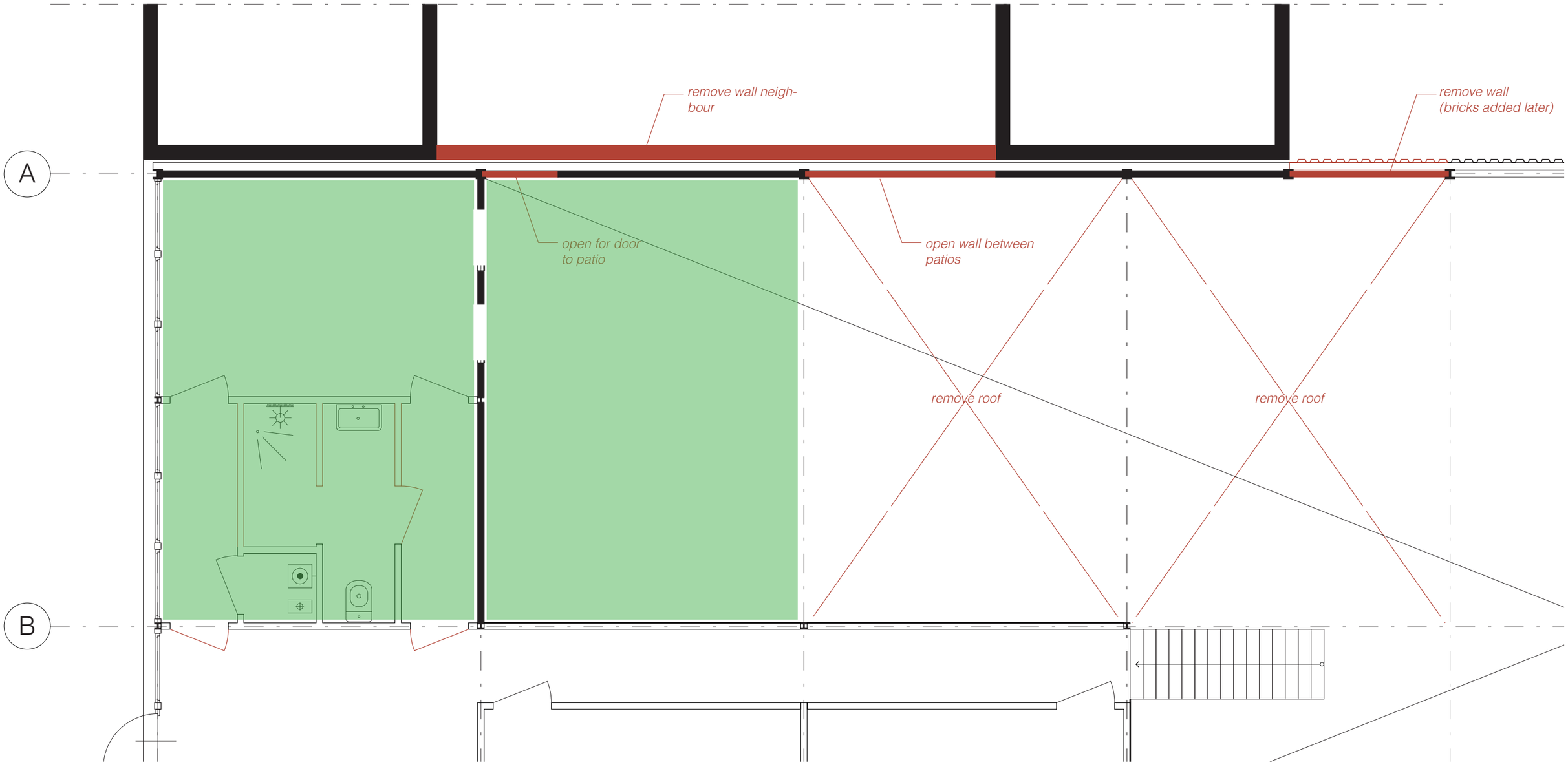
1


remove wall neigh-
bour
remove brick wall
(added later)
open for door
to patio
open wall between
patios
remove roof
remove roof
A
B
C
1
2
3
4
5
6
7
8
9
N

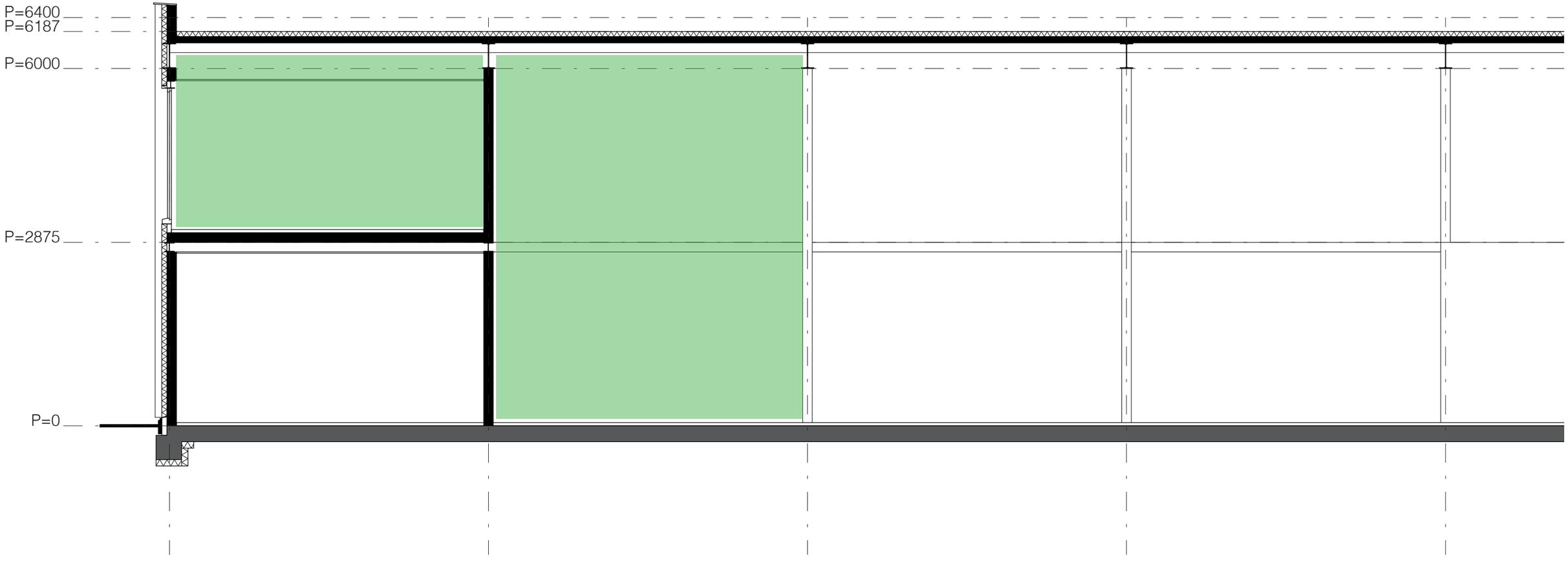
APARTMENT



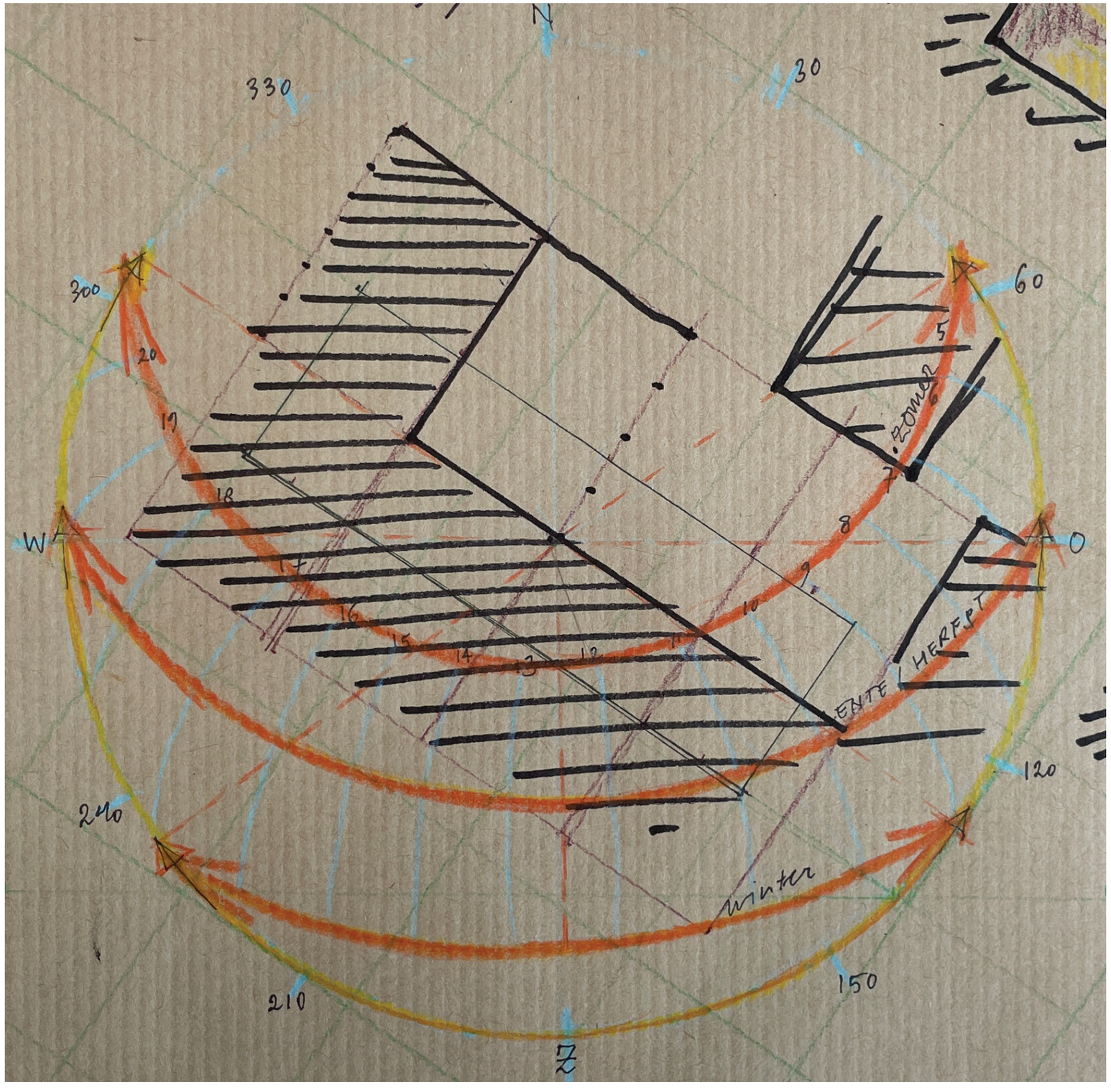
GROUND FLOOR


A
B
remove wall neigh-
bour
remove wall
(bricks added later)
open for door
to patio
open wall between
patios
remove roof
remove roof

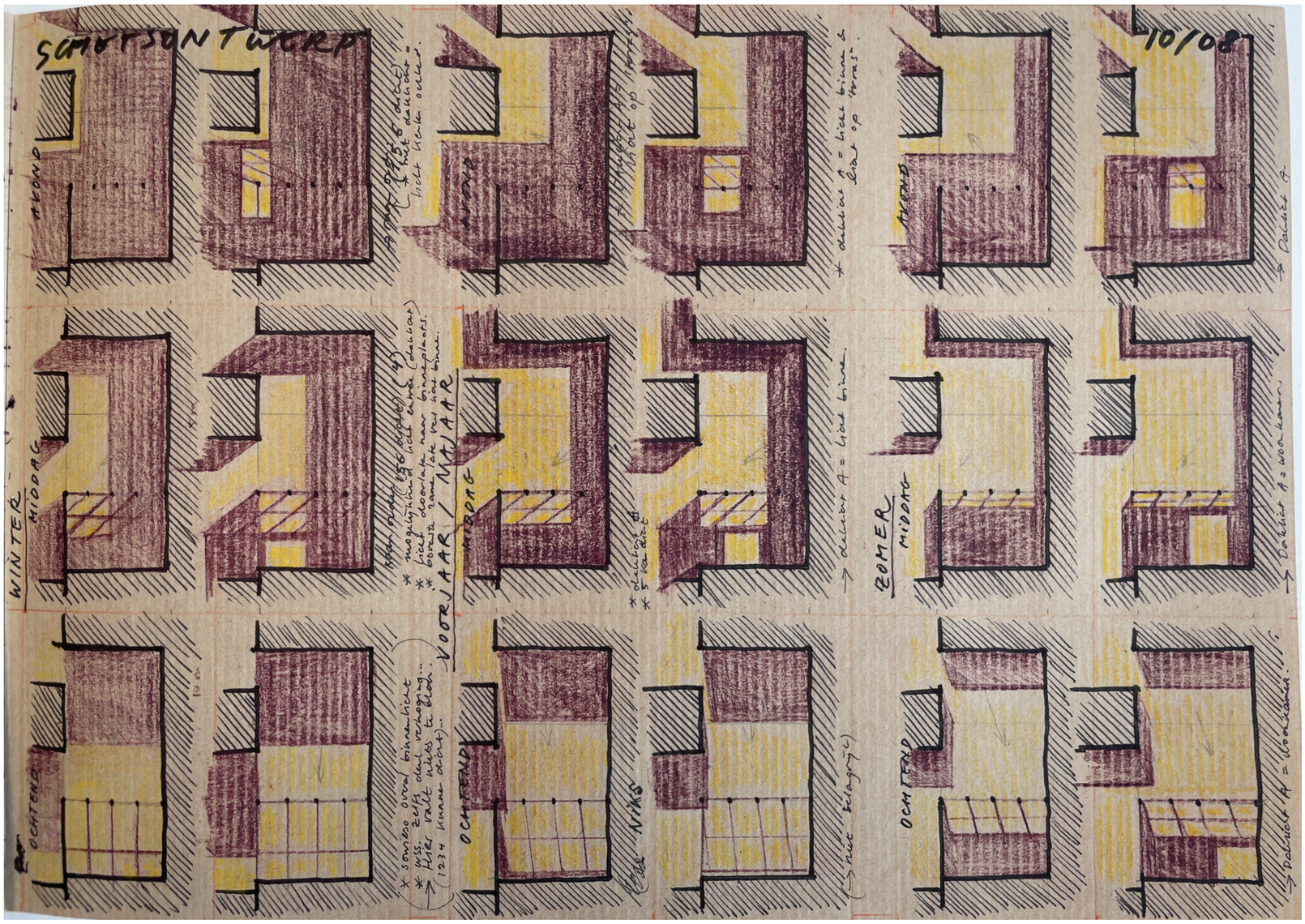
FIRST FLOOR


P=6400
P=6187
P=6000
P=2875
P=0

DAYLIGHT


N
330
30
300
60
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
W
O
240
120
210
150
Z
winter
ENTE
HERFST

N


SCHOTSONTWERP
WINTER
MIDDAG
ochtend
AVOND
VOORJAAR / NAJAAR
ochtend
middag
AVOND
ZOMER
MIDDAG
ochtend
AVOND
10/08

ROMER

OCHTEND

MIDDAG

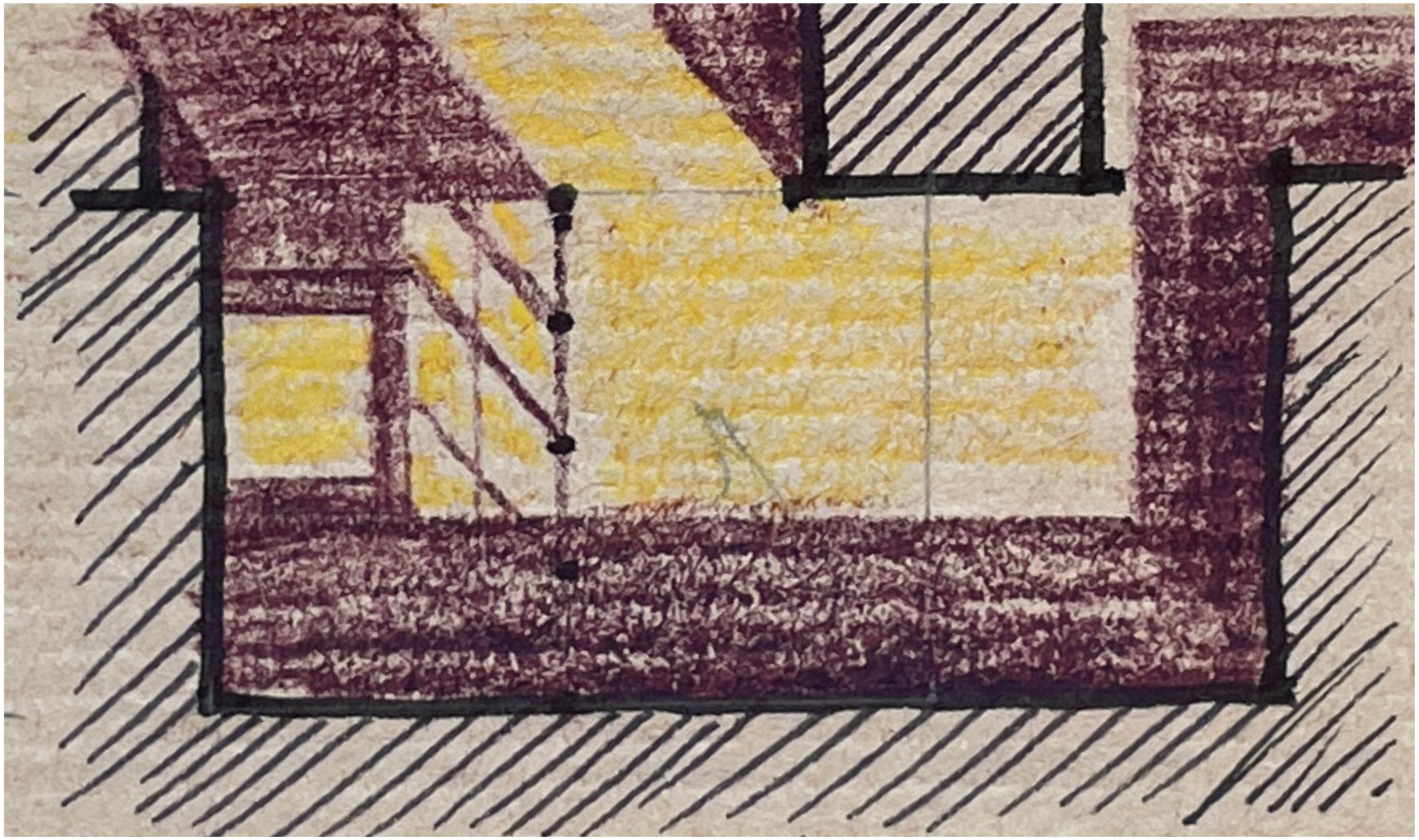
AVOND

→ Dakrichting A = woonkamer.

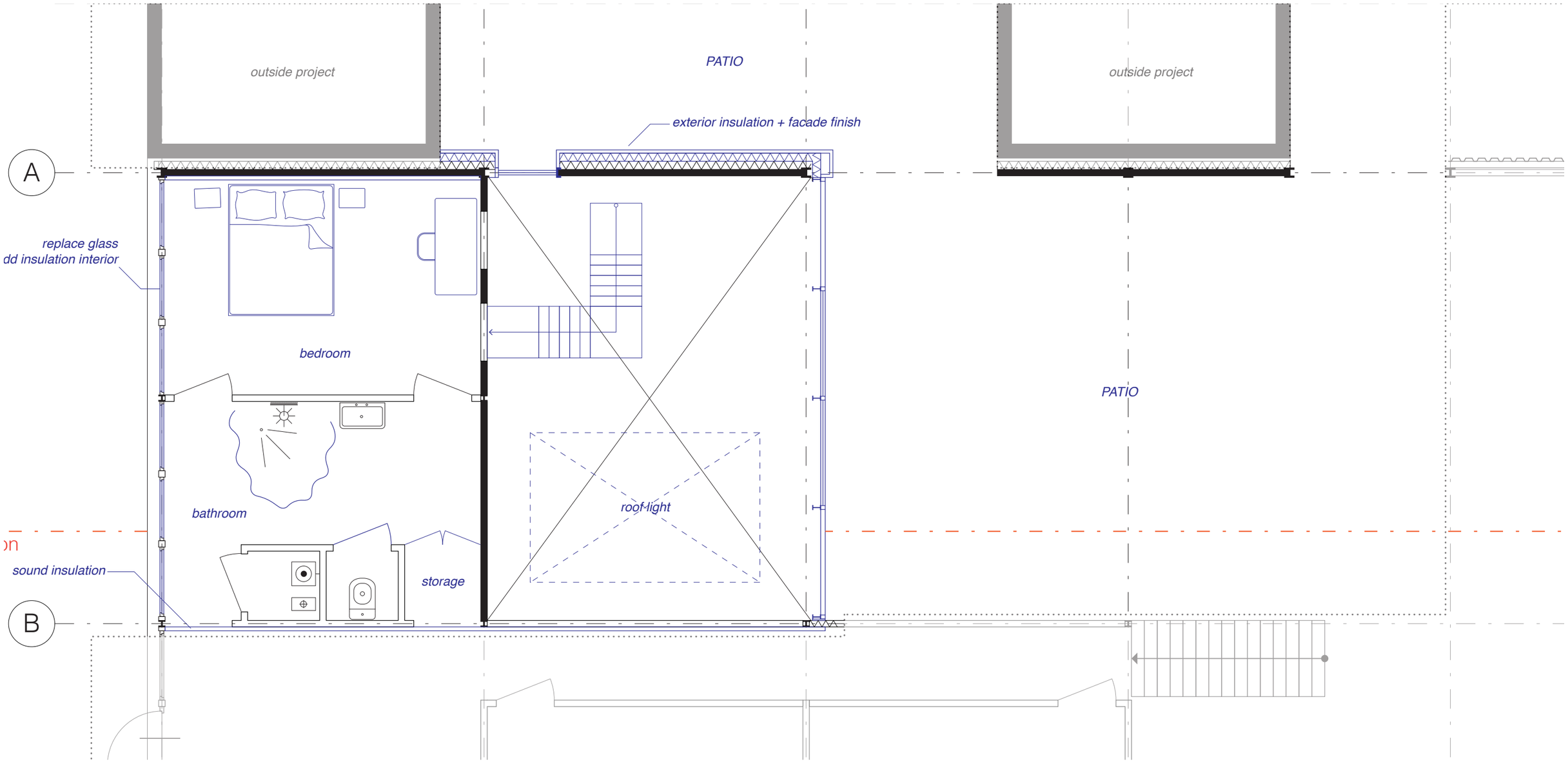
→ Dakrichting A = woonkamer

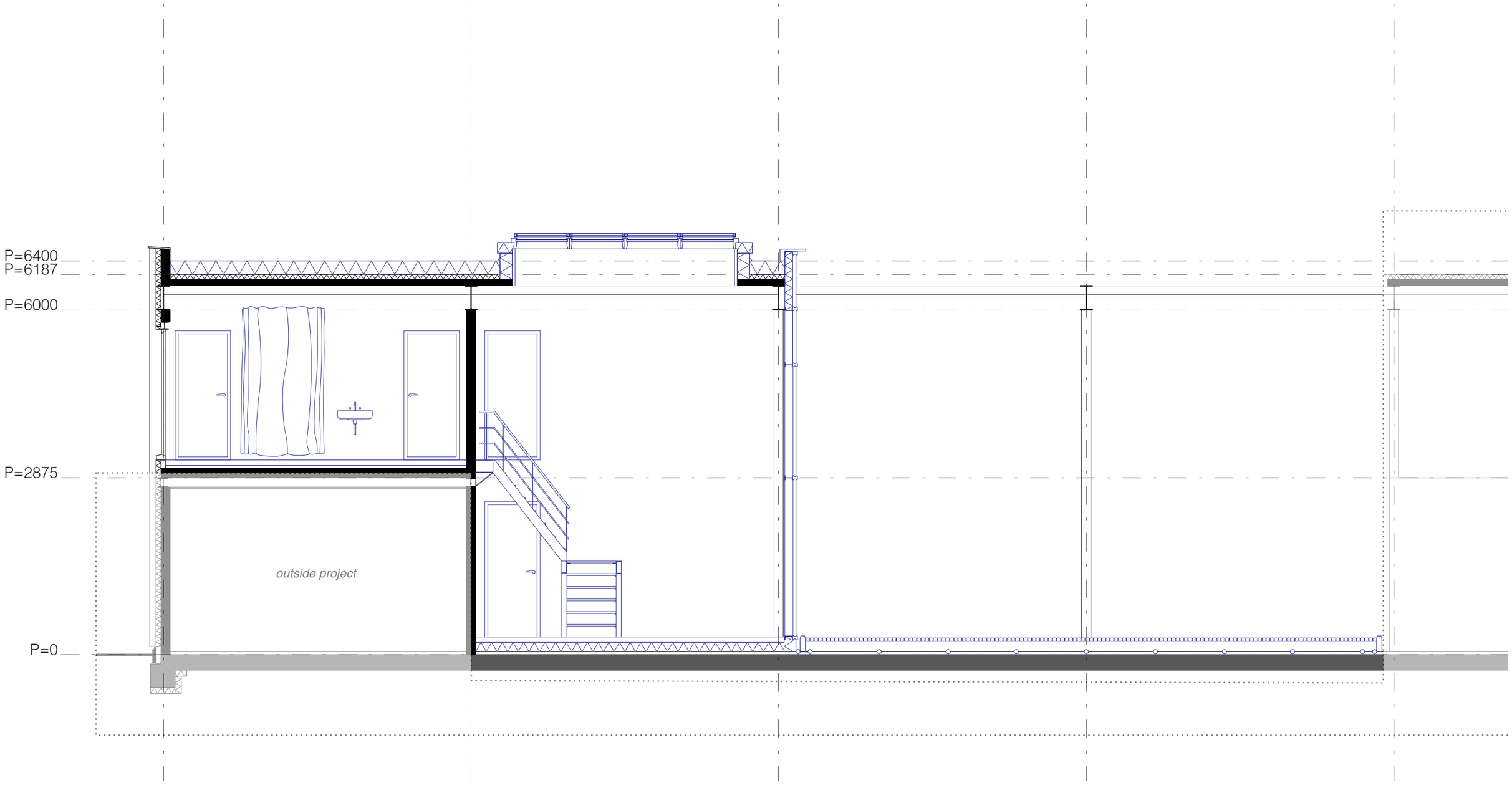
→ Dakrichting A

801/108

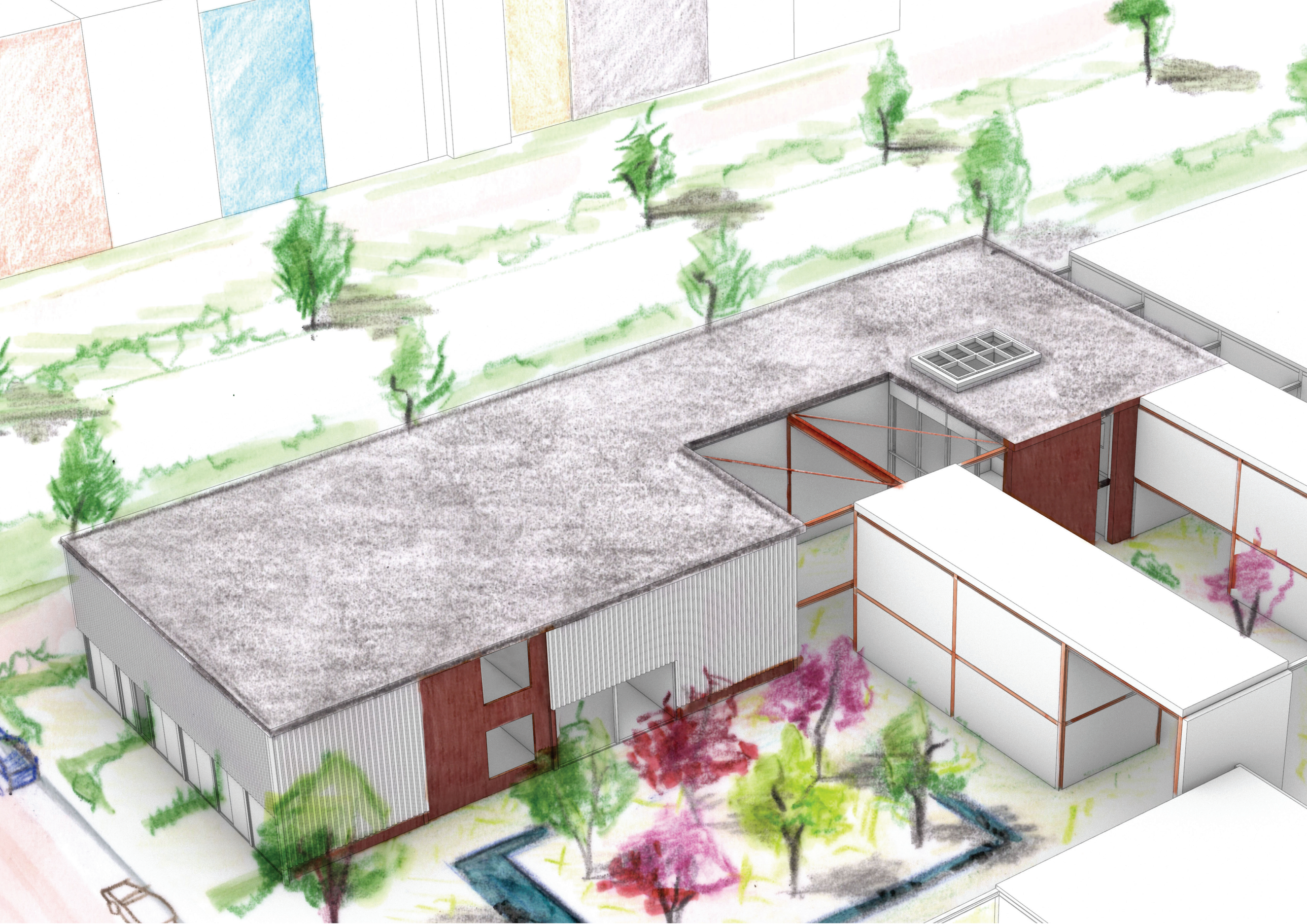


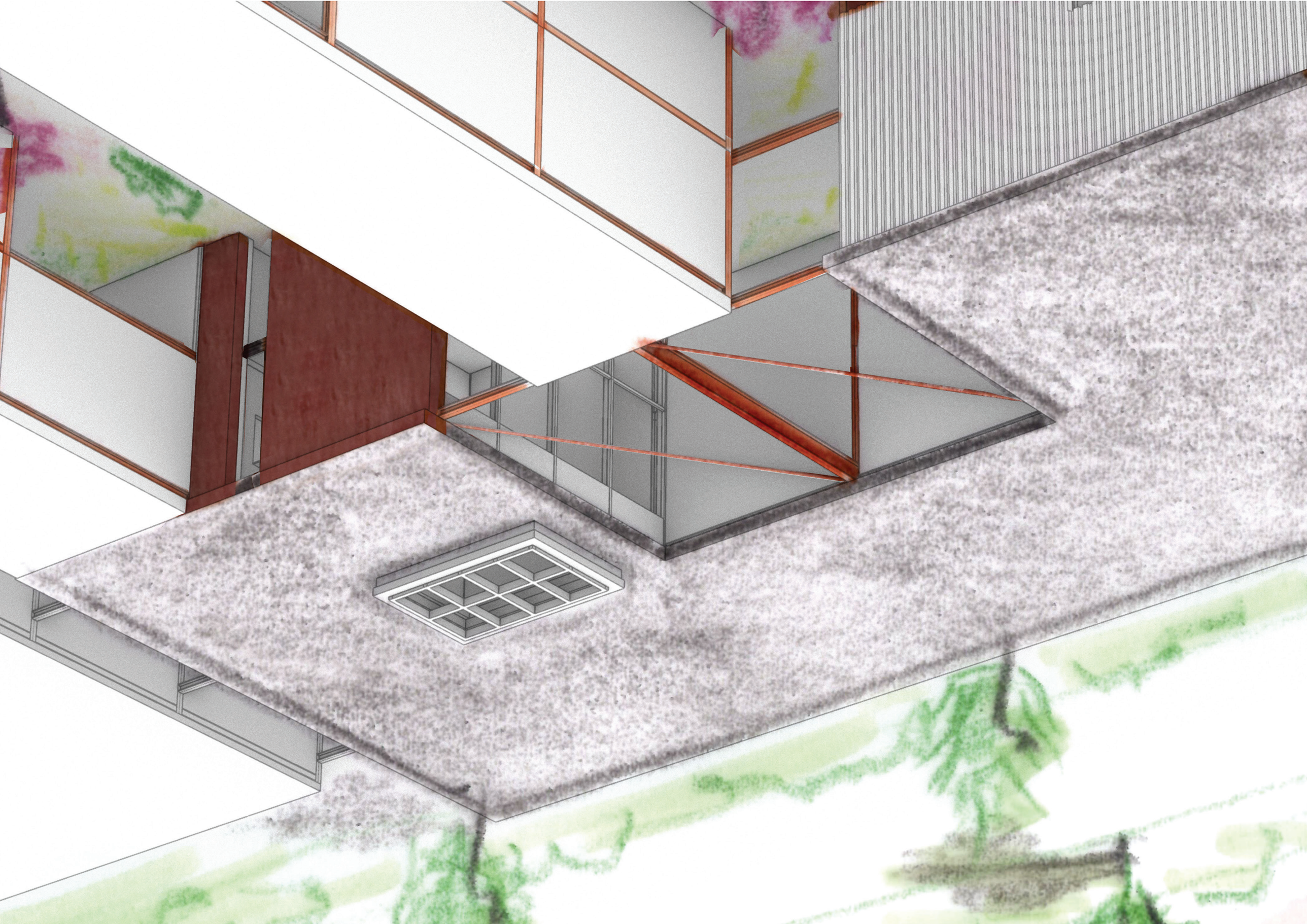
ROOFLIGHT


outside project
PATIO
exterior insulation + facade finish
outside project
A
replace glass
dd insulation interior
bedroom
bathroom
storage
roof light
PATIO
sound insulation
B


P=6400
P=6187
P=6000
P=2875
P=0
outside project







COUPLE

A

B

exterior insulation + facade finish

replace glass
dd insulation interior

bedroom

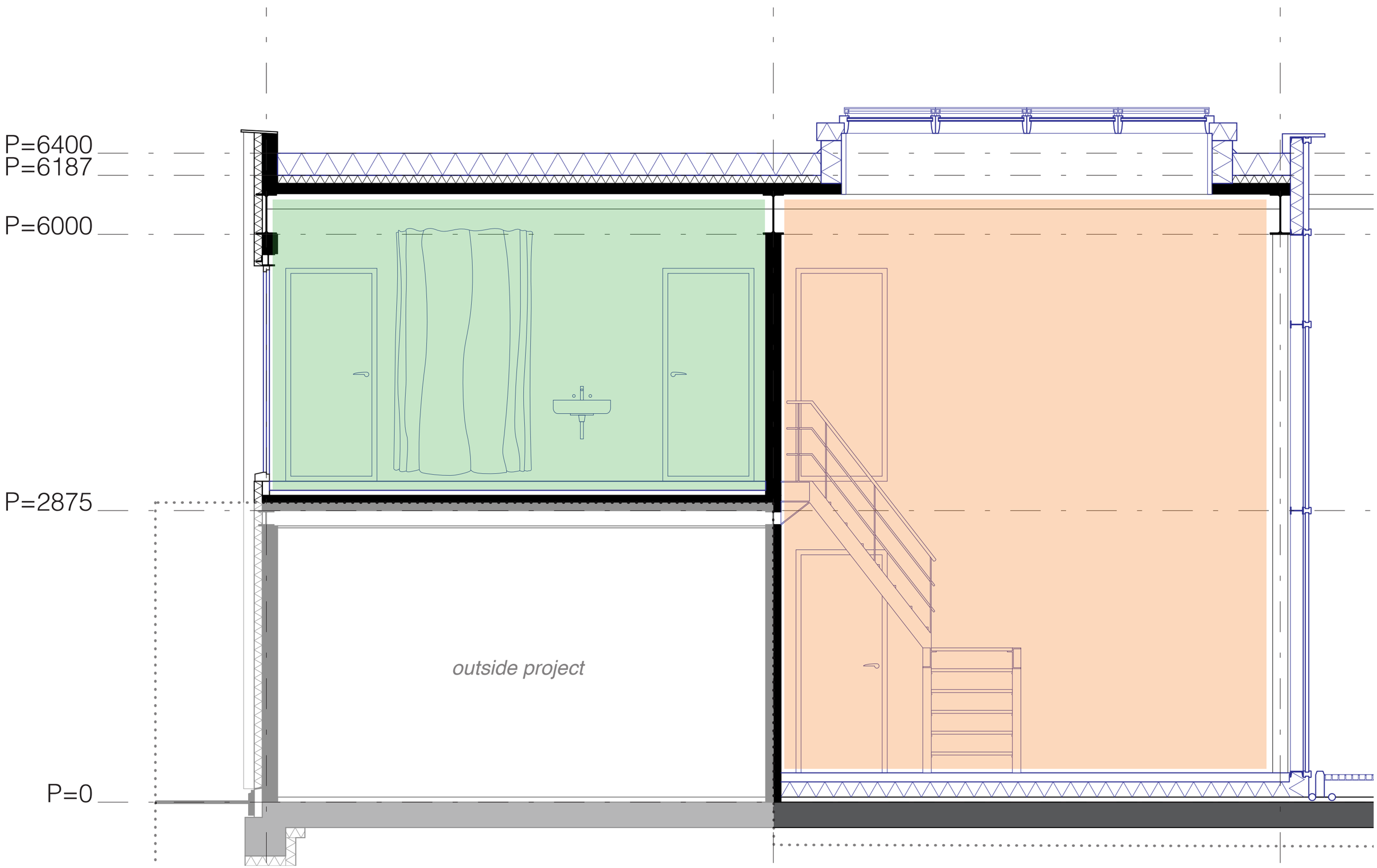
bathroom

storage

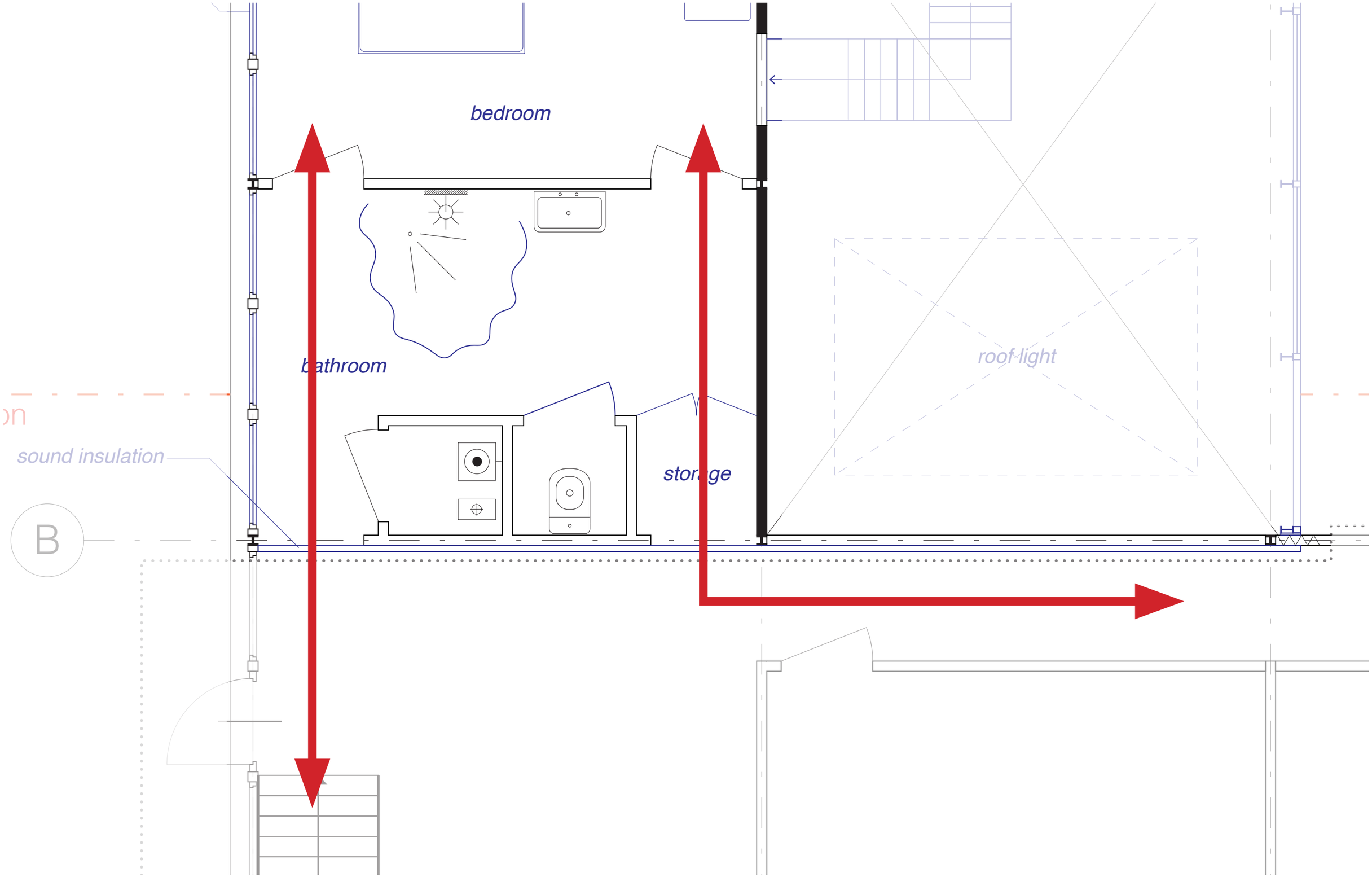
roof light

sound insulation

FLEXIBILITY

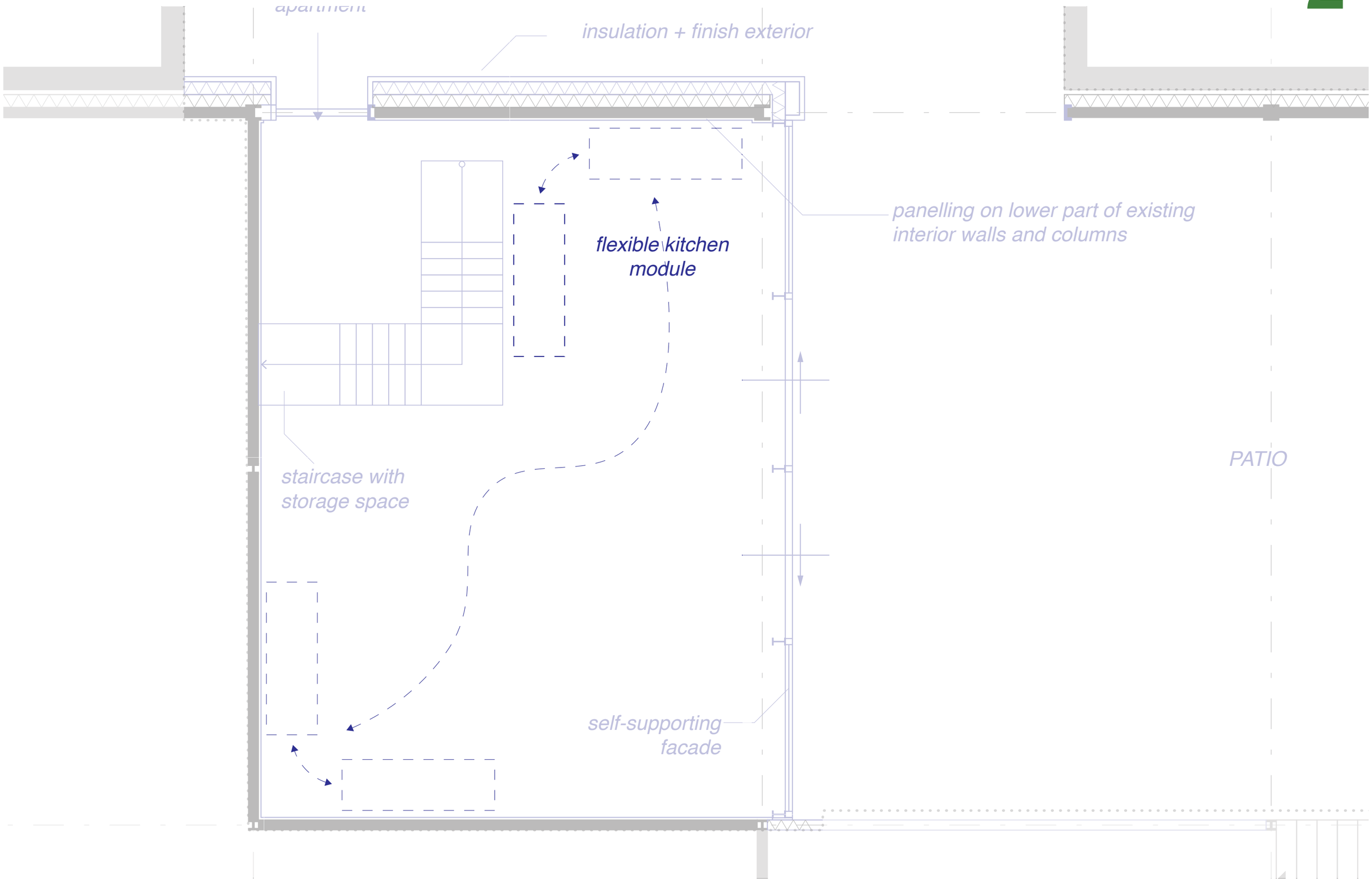


FLEXIBILITY



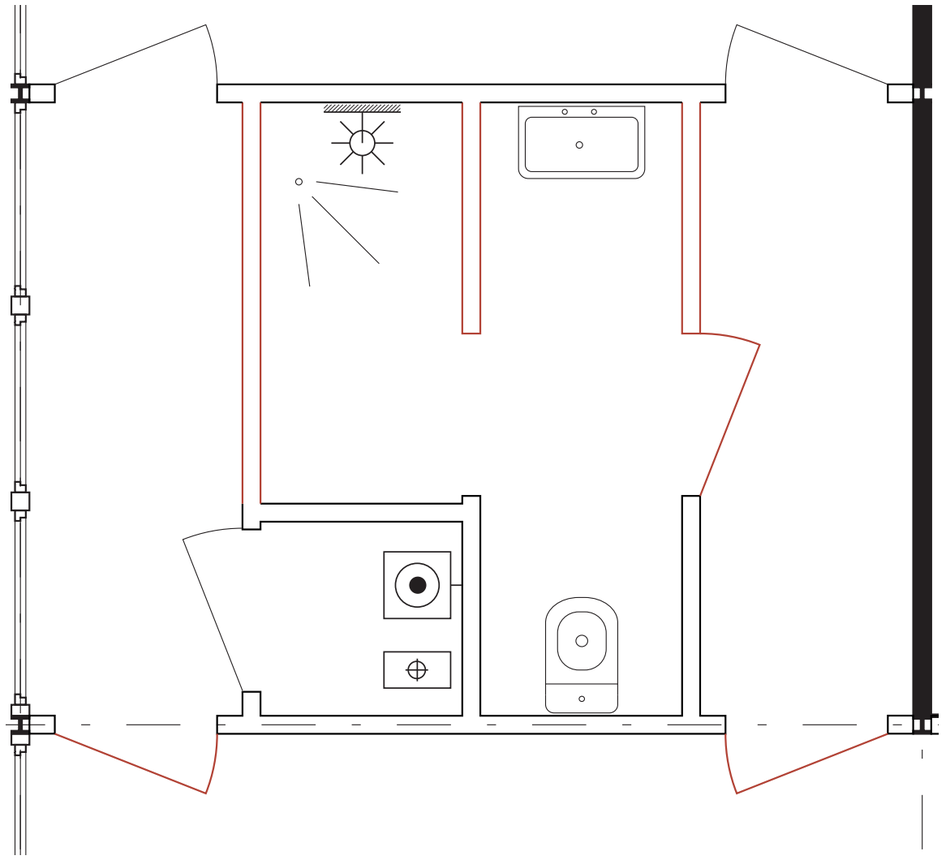
FLEXIBILITY

2

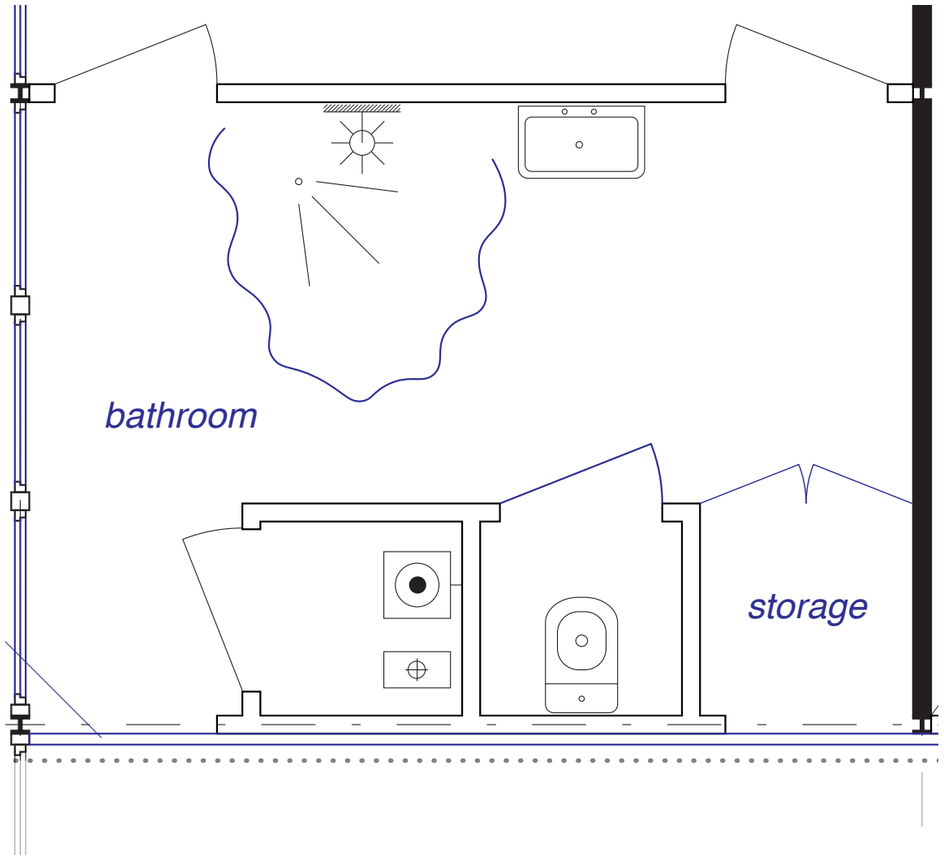


SAVE TIME

2

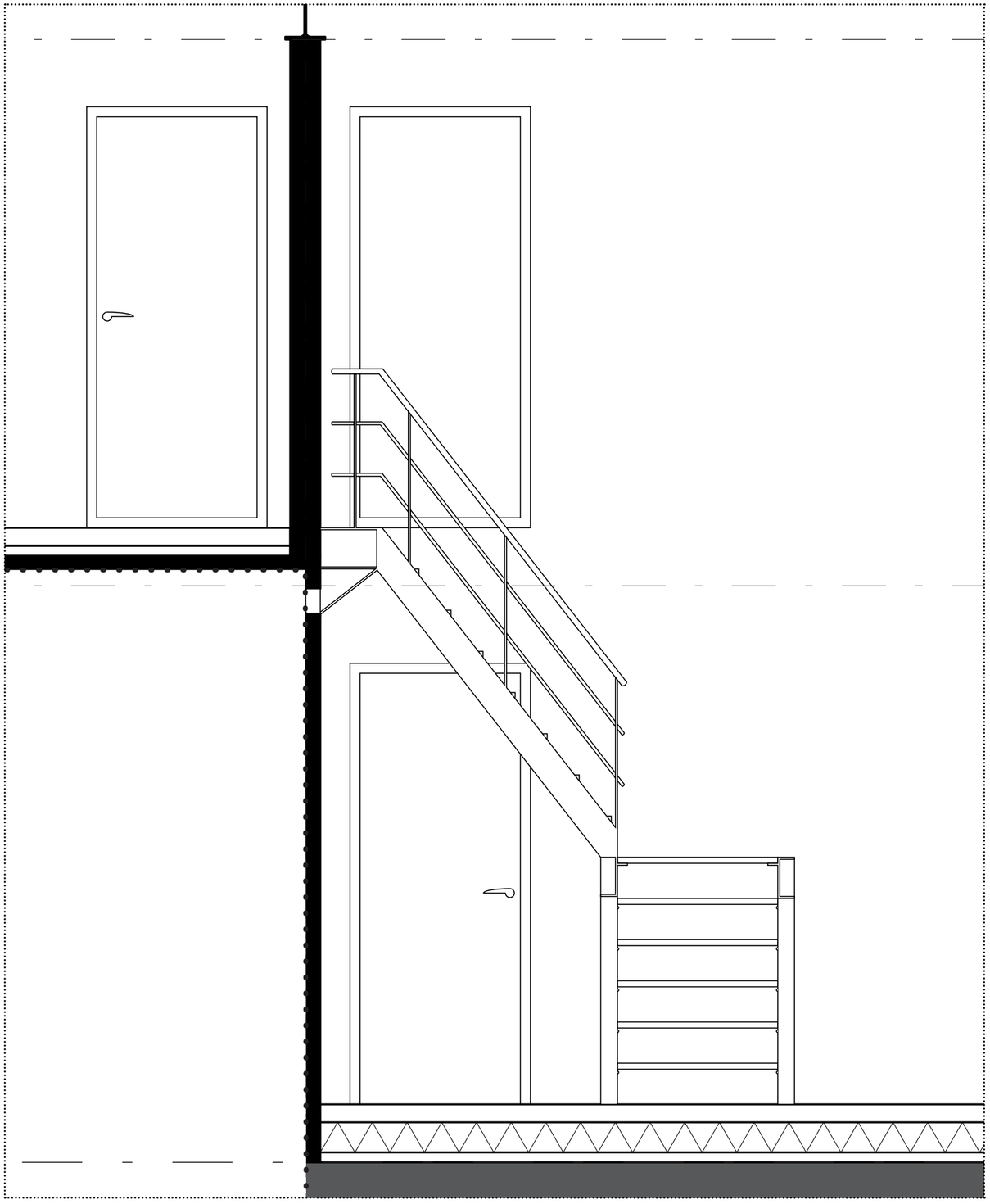


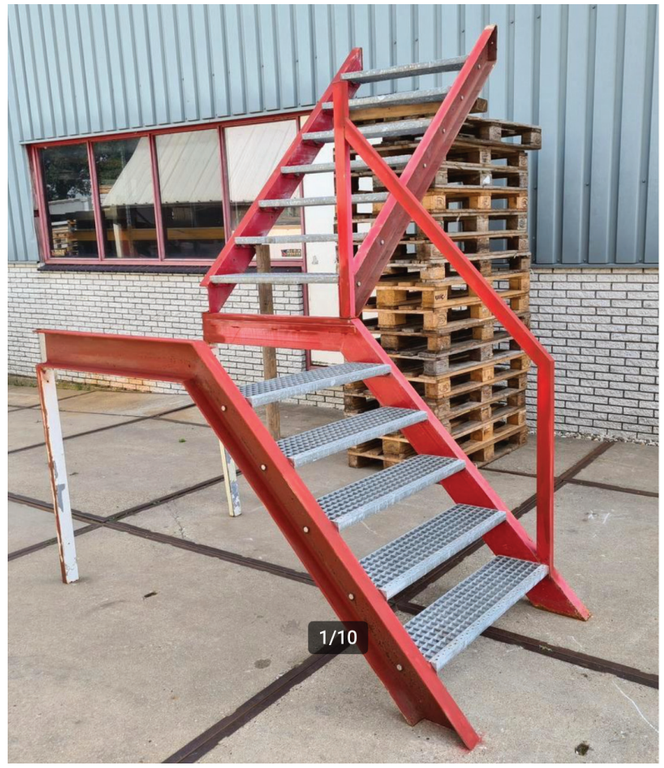
BEFORE



AFTER

RE-USE





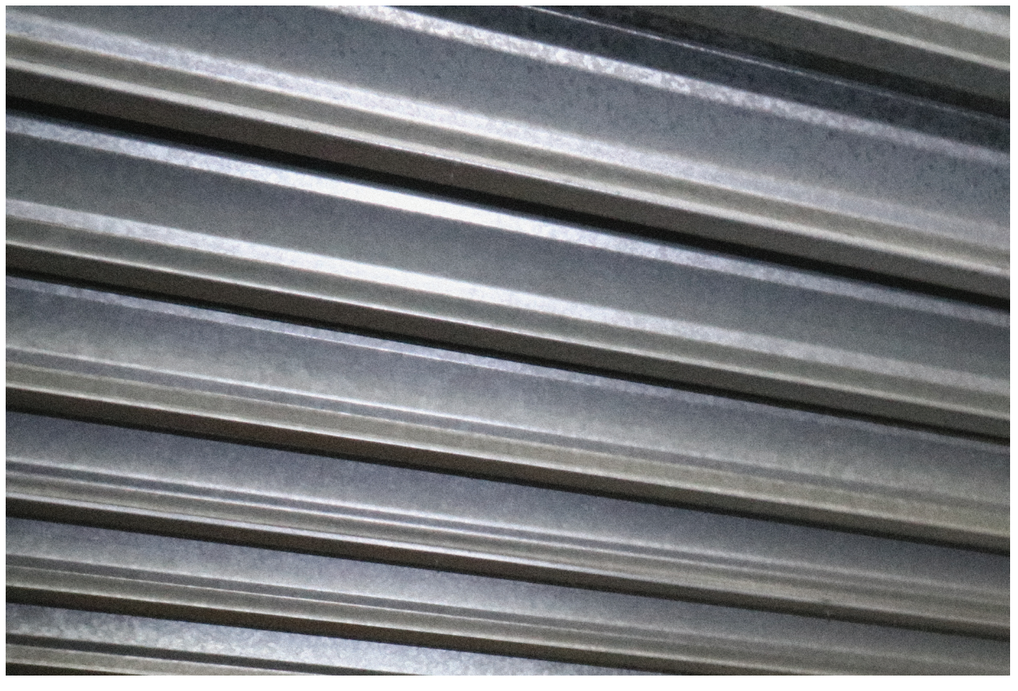


SAVE MATERIALS



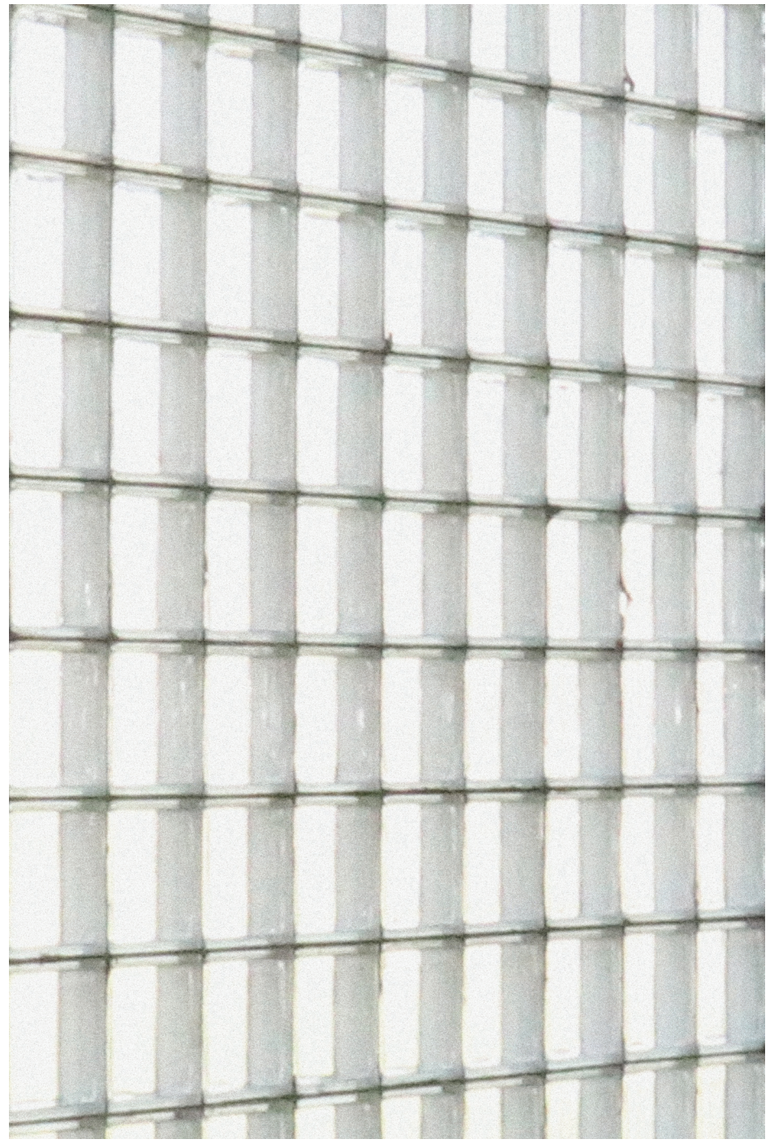


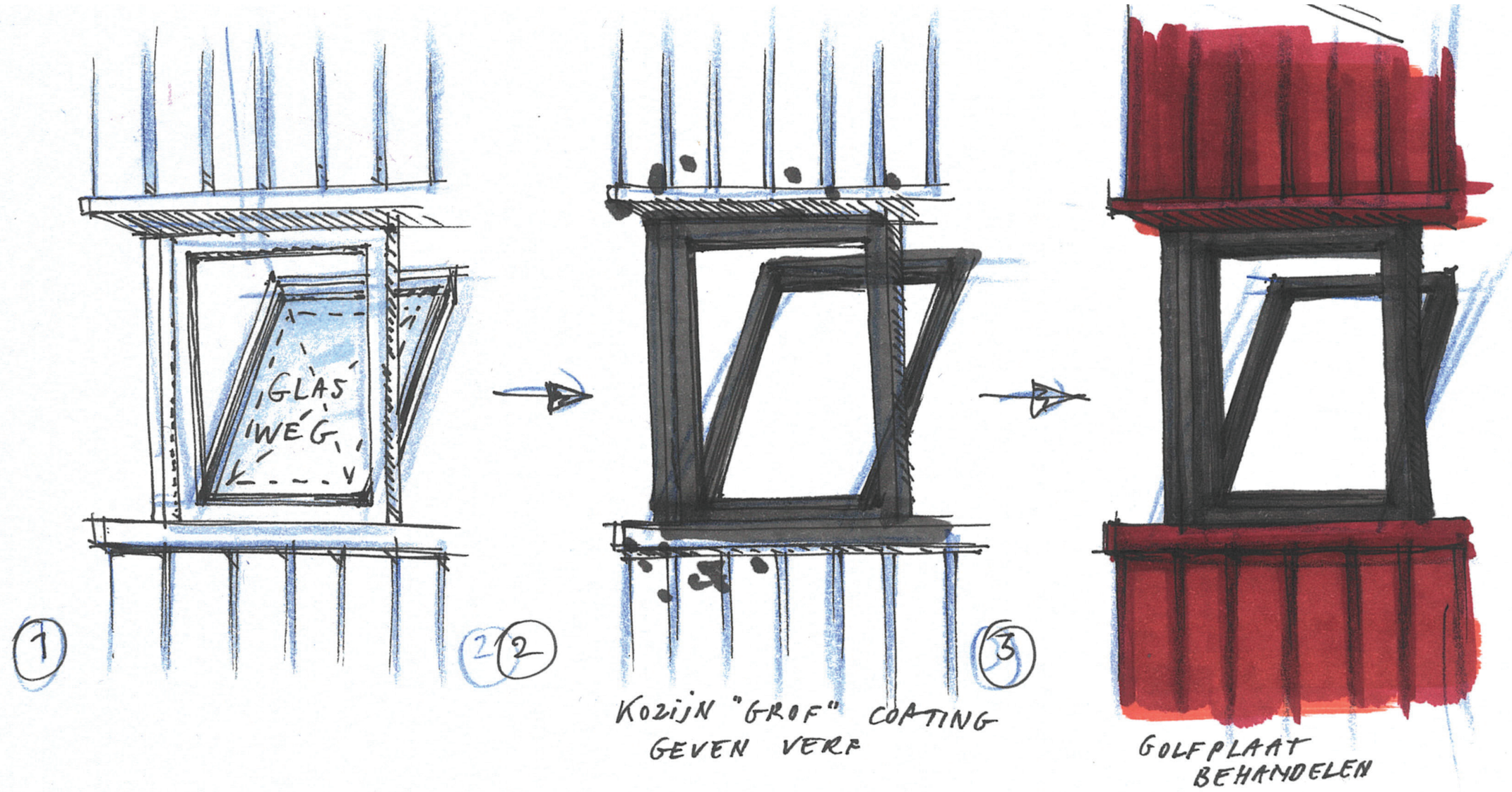




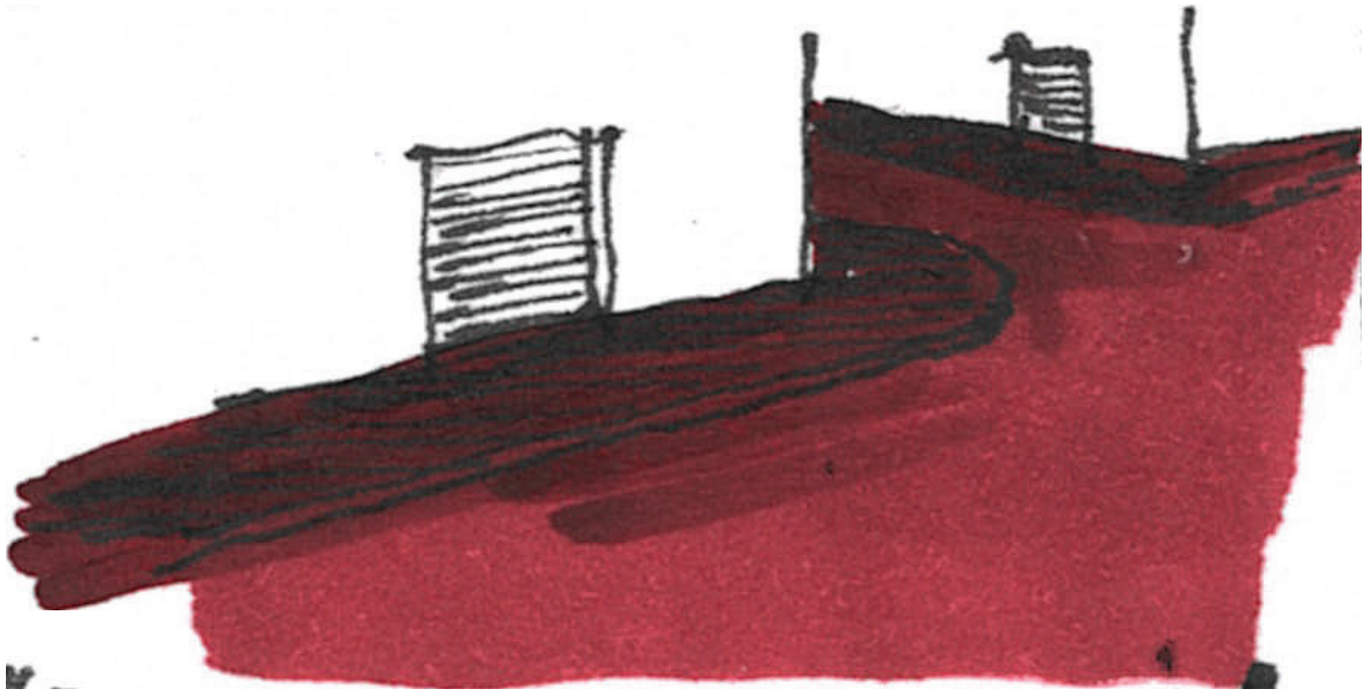







GLAS
IWEG
1
2
2
3
KOZIJN "GROF" COATING
GEVEN VERF
GOLFPLAAT
BEHANDELEN

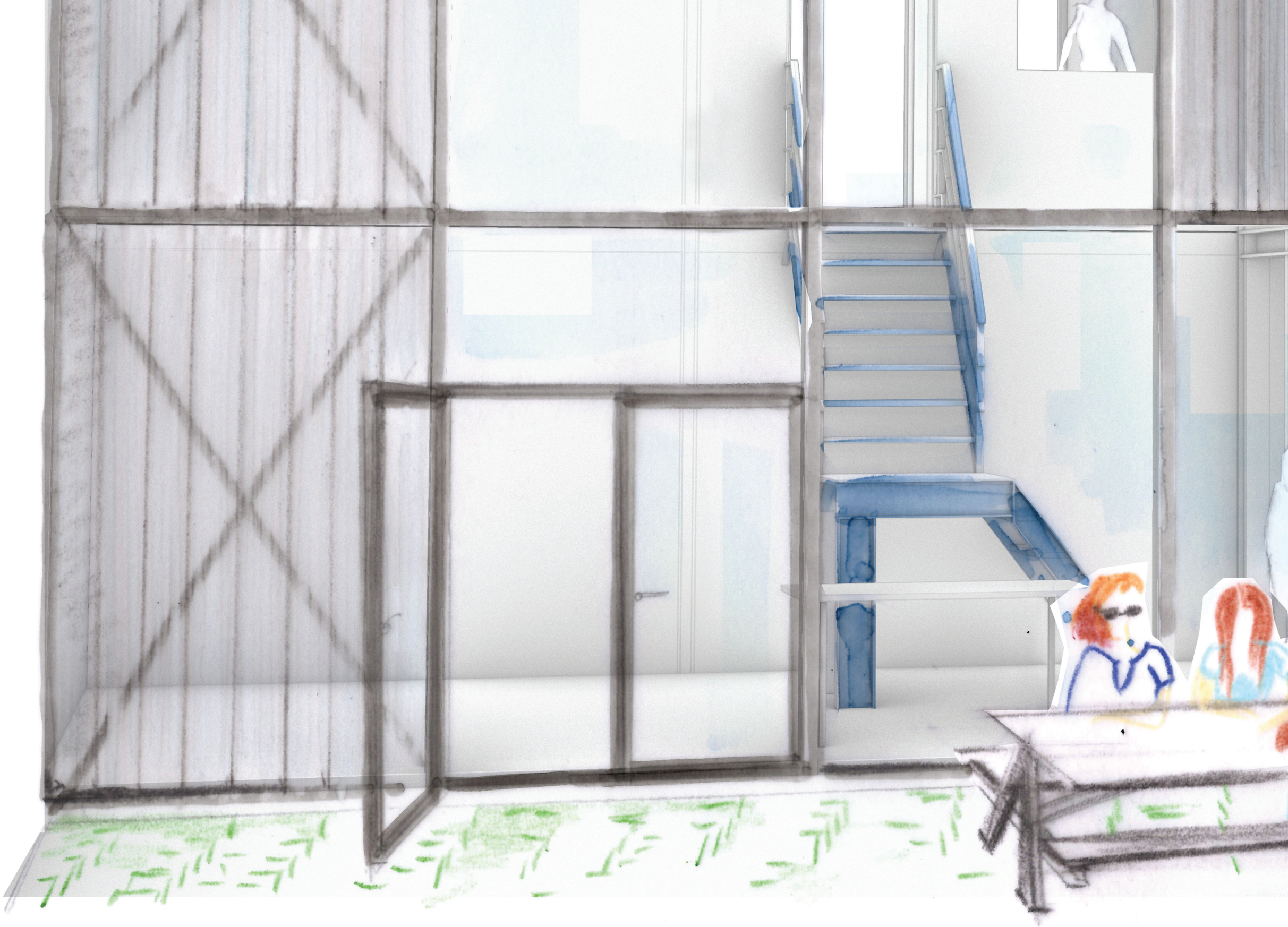
REINFORCE THE EXISTING



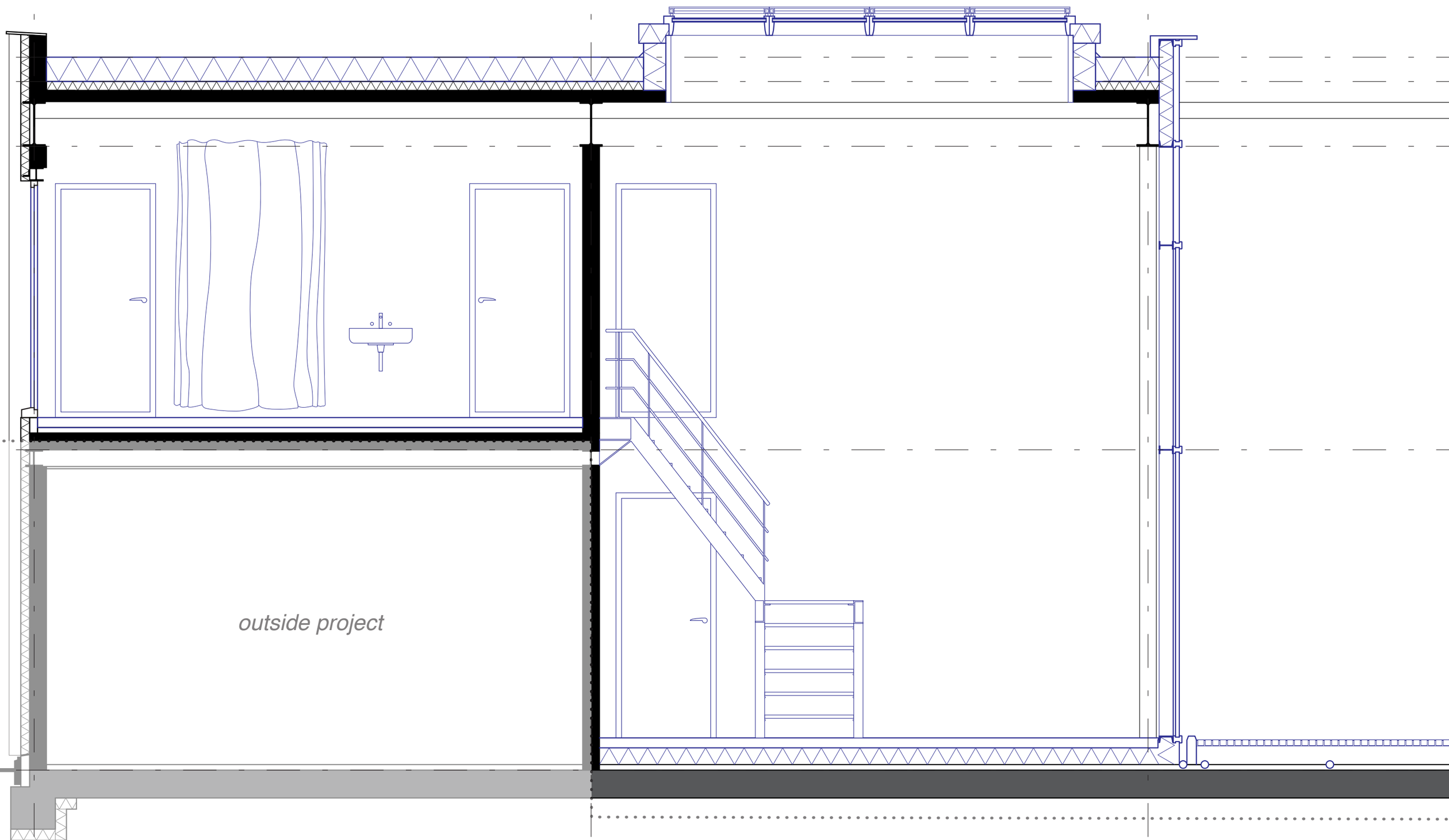






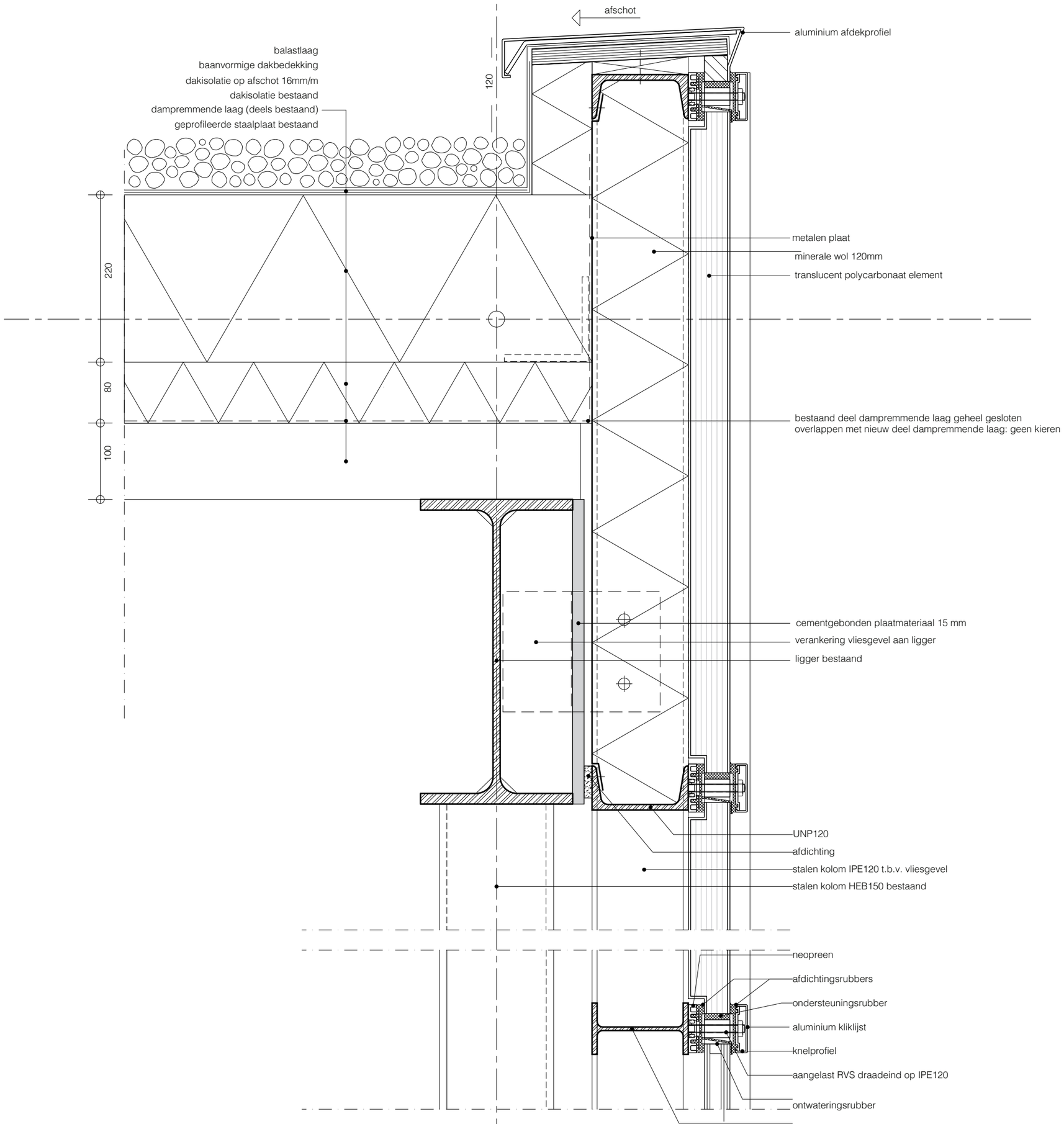


TRANSFORM THE EXISTING



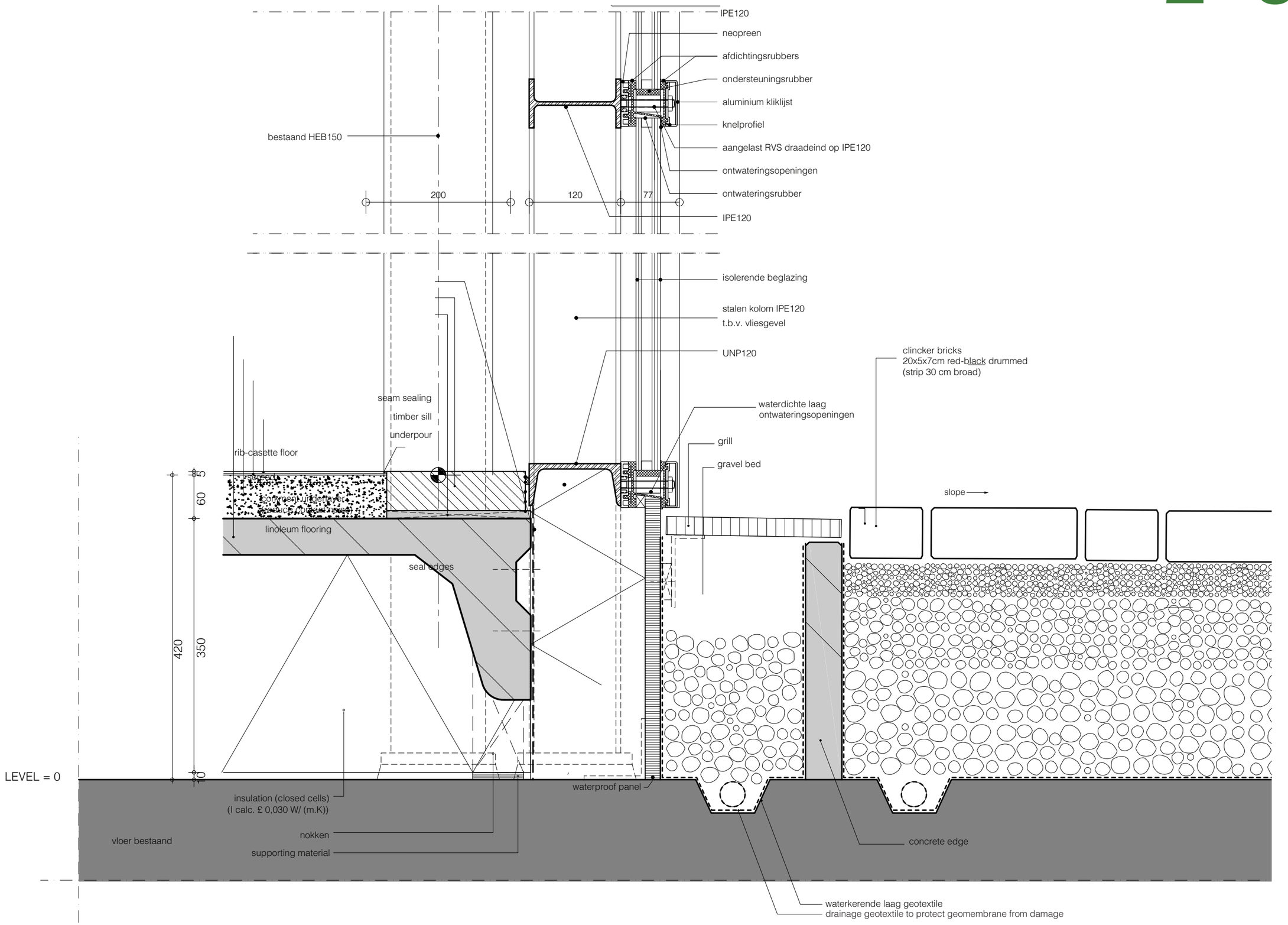
3

outside project


afschot
aluminium afdekprofiel
balastlaag
baanvormige dakbedekking
dakisolatie op afschot 16mm/m
dakisolatie bestaand
dampremmende laag (deels bestaand)
geprofileerde staalplaat bestaand
120
220
80
100
metalen plaat
minerale wol 120mm
translucent polycarbonaat element
bestaand deel dampremmende laag geheel gesloten
overlappen met nieuw deel dampremmende laag: geen kieren
cementgebonden plaatmateriaal 15 mm
verankering vliesgevel aan ligger
ligger bestaand
UNP120
afdichting
stalen kolom IPE120 t.b.v. vliesgevel
stalen kolom HEB150 bestaand
neopreen
afdichtingsrubbers
ondersteuningsrubber
aluminium kliklijst
knelprofiel
aangelast RVS draadeind op IPE120
ontwateringsrubber

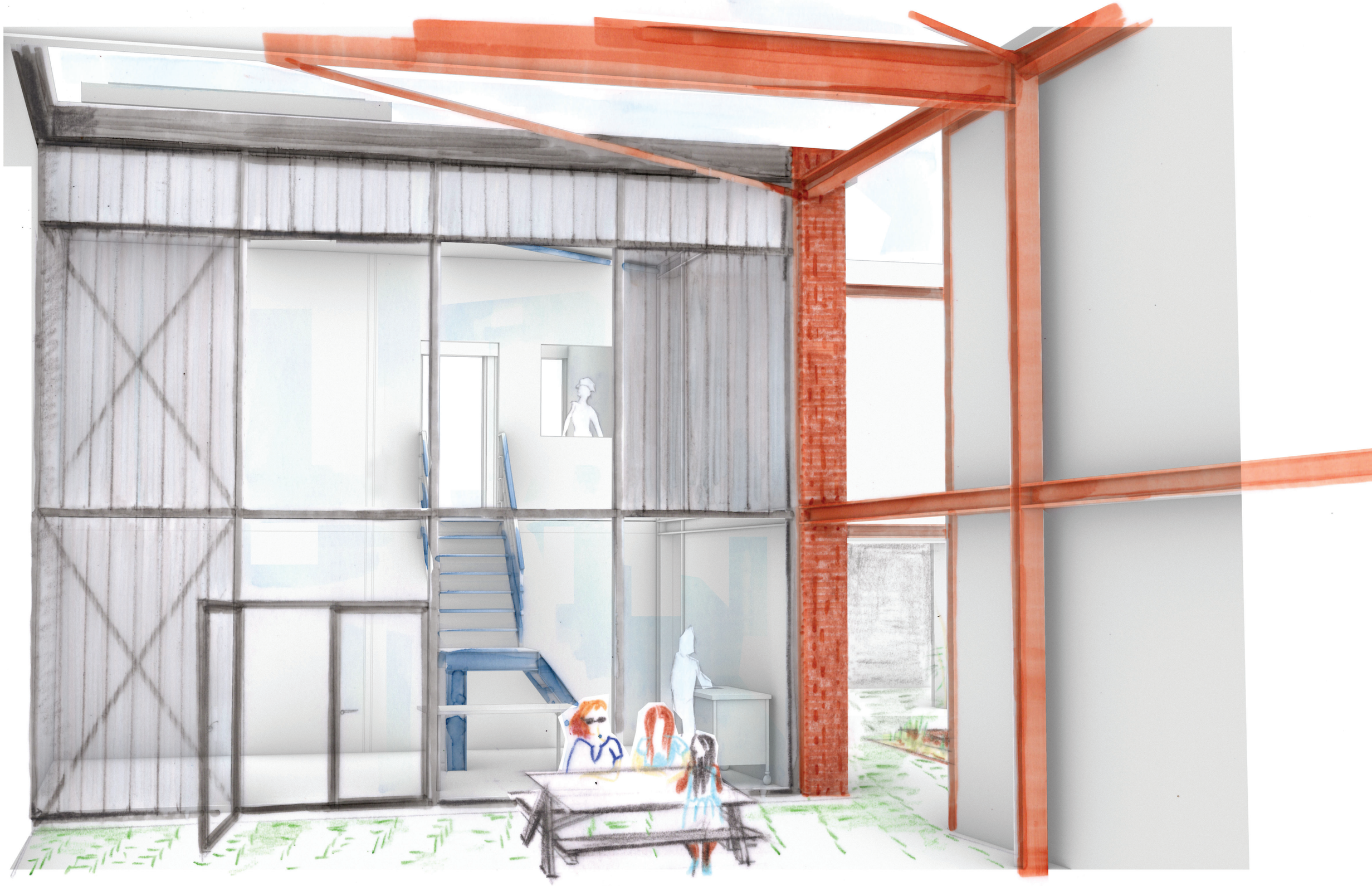
3

outside project

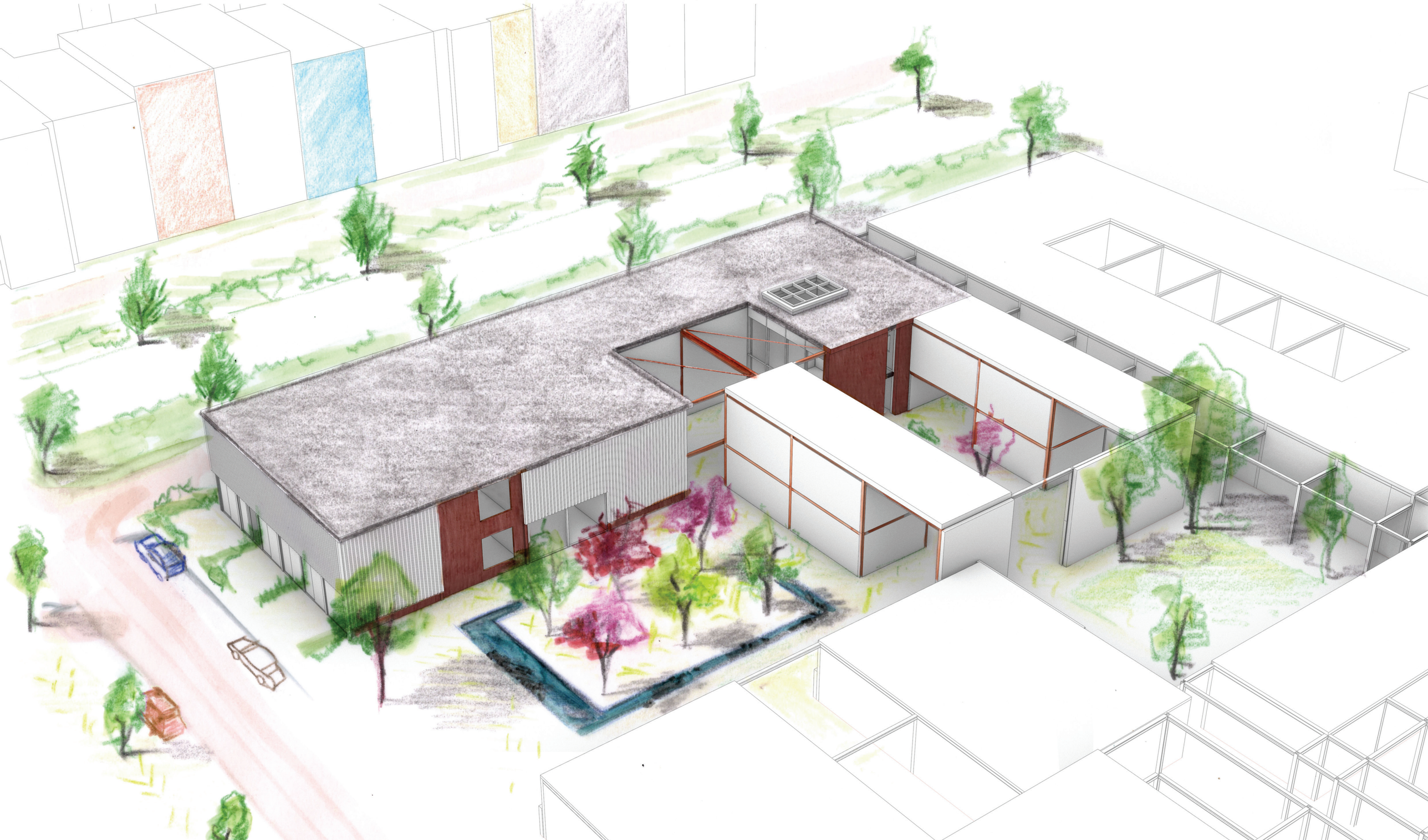

IPE120
neopreen
afdichtingsrubbers
ondersteuningsrubber
aluminium kliklijst
knelprofiel
aangelast RVS draadeind op IPE120
ontwateringsopeningen
ontwateringsrubber
IPE120
bestaand HEB150
200
120
77
isolerende beglazing
stalen kolom IPE120
t.b.v. vliesgevel
UNP120
clincker bricks
20x5x7cm red-black drummed
(strip 30 cm broad)
waterdichte laag
ontwateringsopeningen
grill
gravel bed
slope
seam sealing
timber sill
underpour
rib-casette floor
cementgebonden
anhydriet vloerdekvloer
linoleum flooring
seal edges
5
60
420
350
10
LEVEL = 0
insulation (closed cells)
(I calc. £ 0,030 W/ (m.K))
nokken
supporting material
vloer bestaand
waterproof panel
concrete edge
waterkerende laag geotextile
drainage geotextile to protect geomembrane from damage





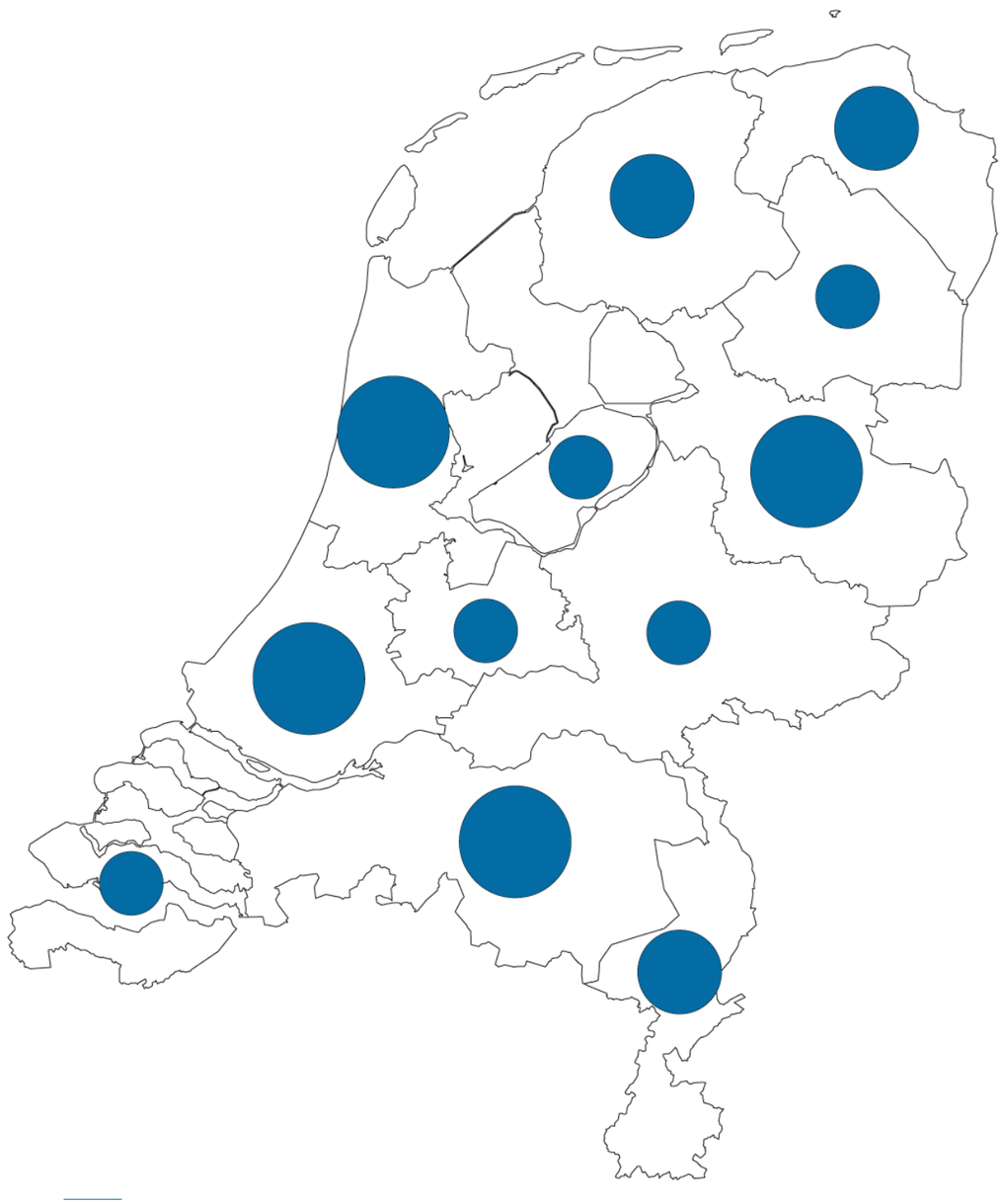






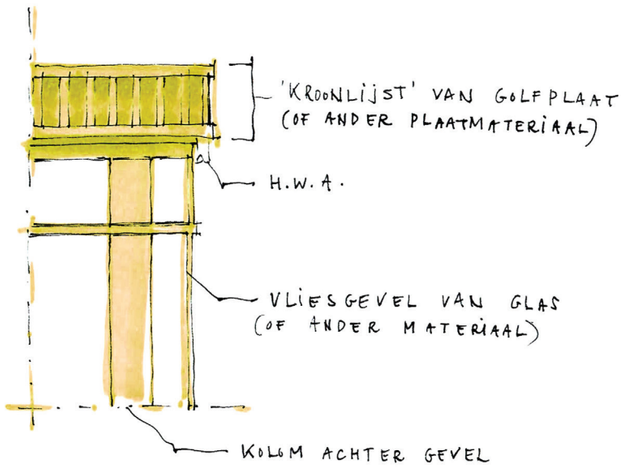

WONEN
HOF
WONEN
HOF
KANTOOR
STADSTUIN ?
FIETSROUTE
DIJK...
WATER
WONEN
HOF
HOF
HOF
TUIN
WINKEL
KINDERBOERDERIJ
HOF
TUIN
HOF
HOF
WOONGEMEENSCHAP
HOF
HOF
HOF
PLEIN
PLEIN
WINKEL
HOF
HOF
HOF
HOF
DOORGANG
HOF
TUIN
HOF
HOF
VEILIGE OVERGANG
WONEN

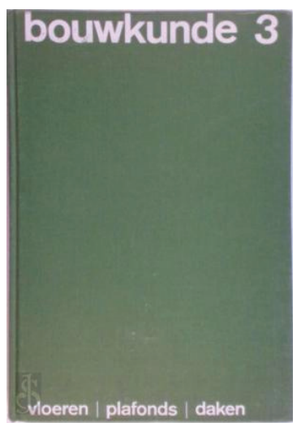
BIG SCALE?



RECOMMENDATIONS

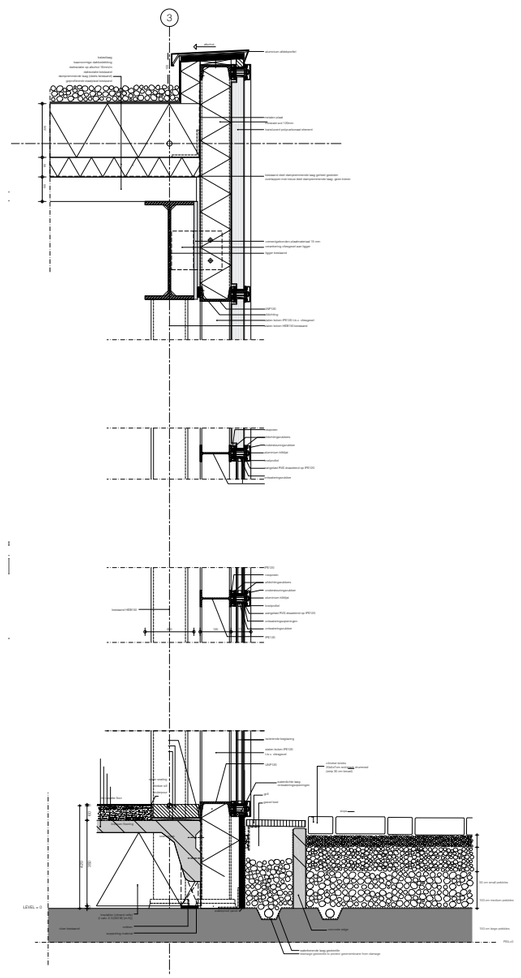
RESEARCH



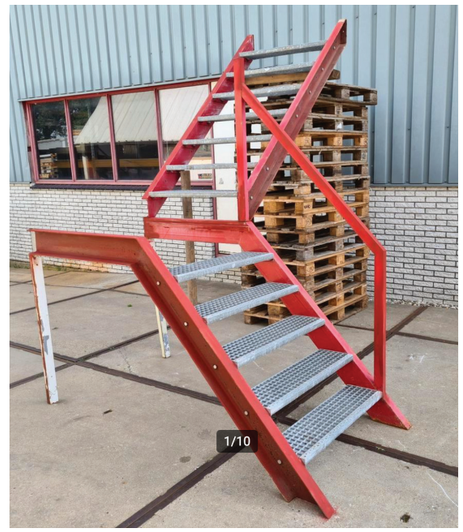




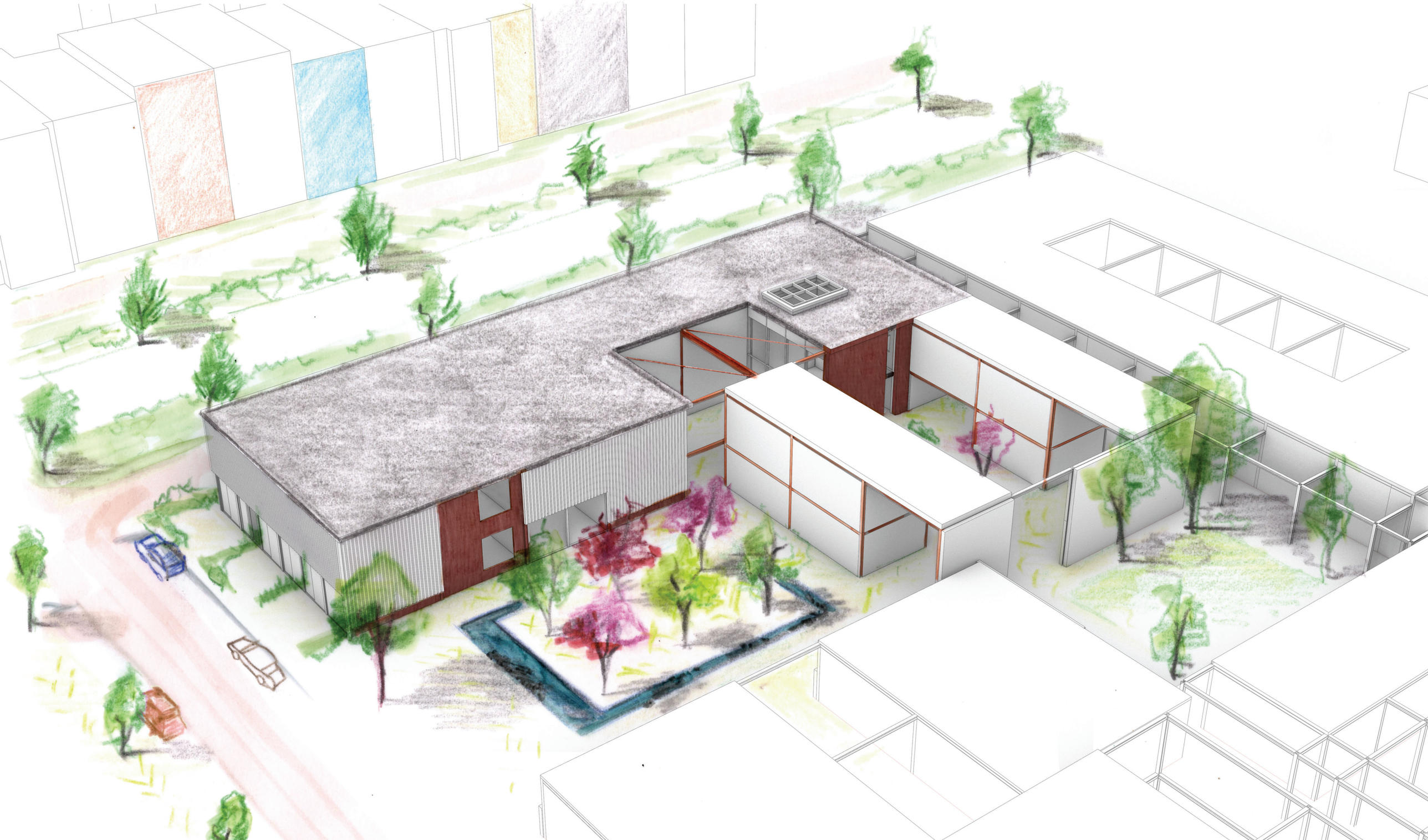
DATABASE



RESOURCES



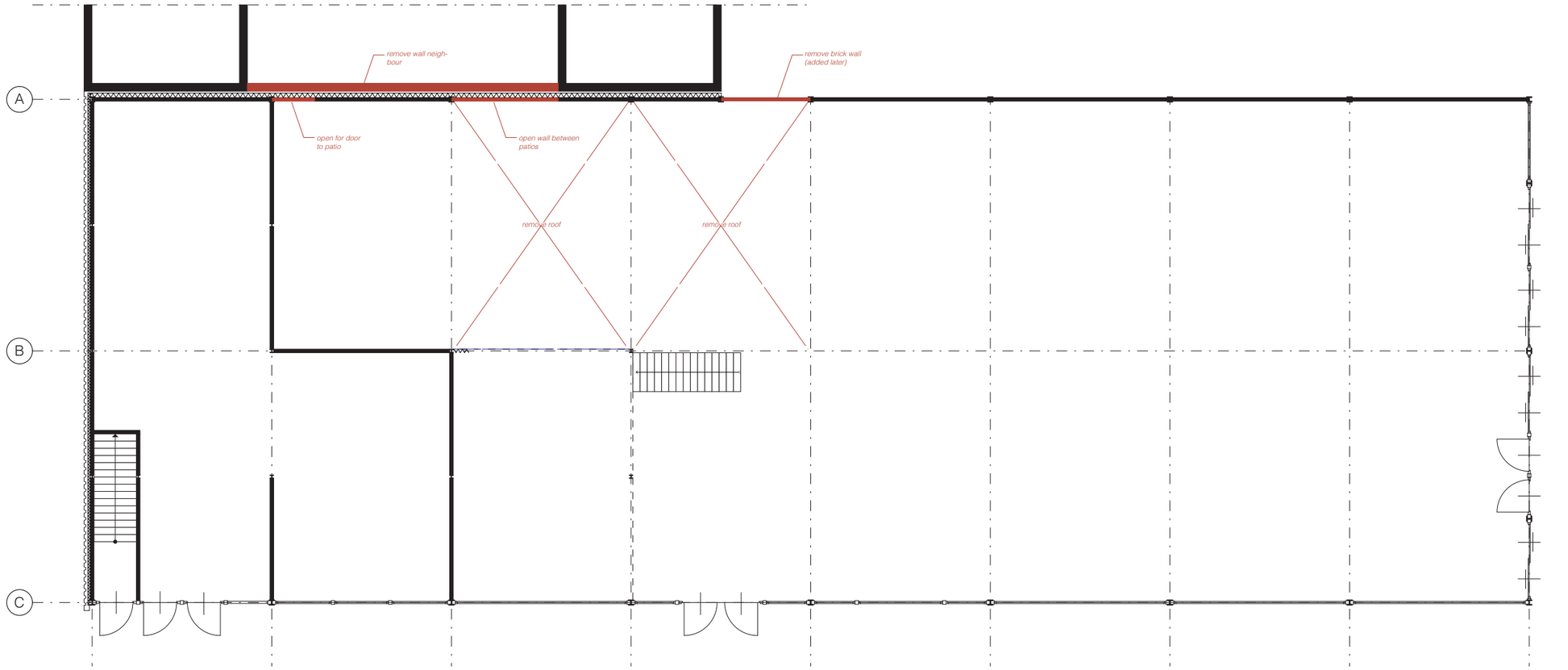


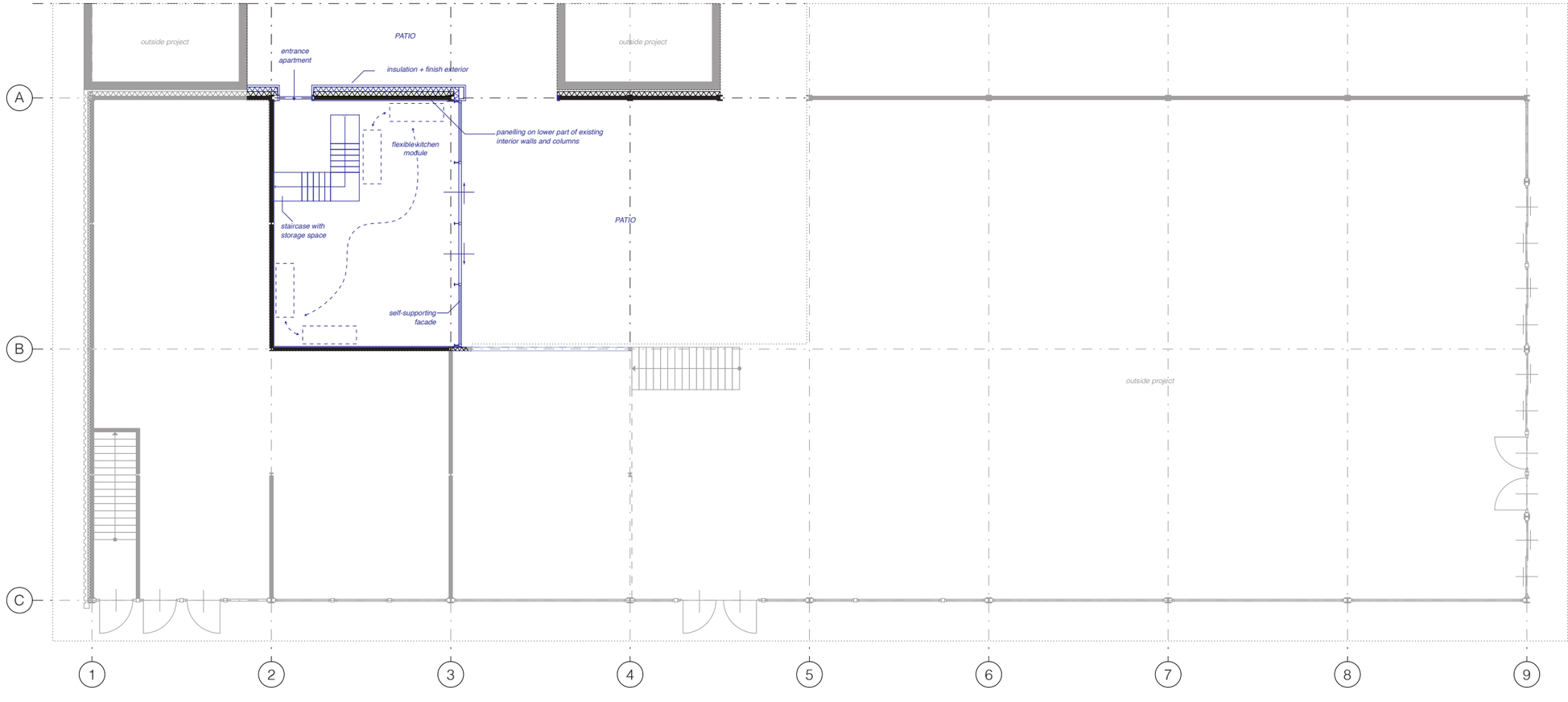


GROUND FLOOR PLAN

Existing + demolition plan:

Preserve + additions:



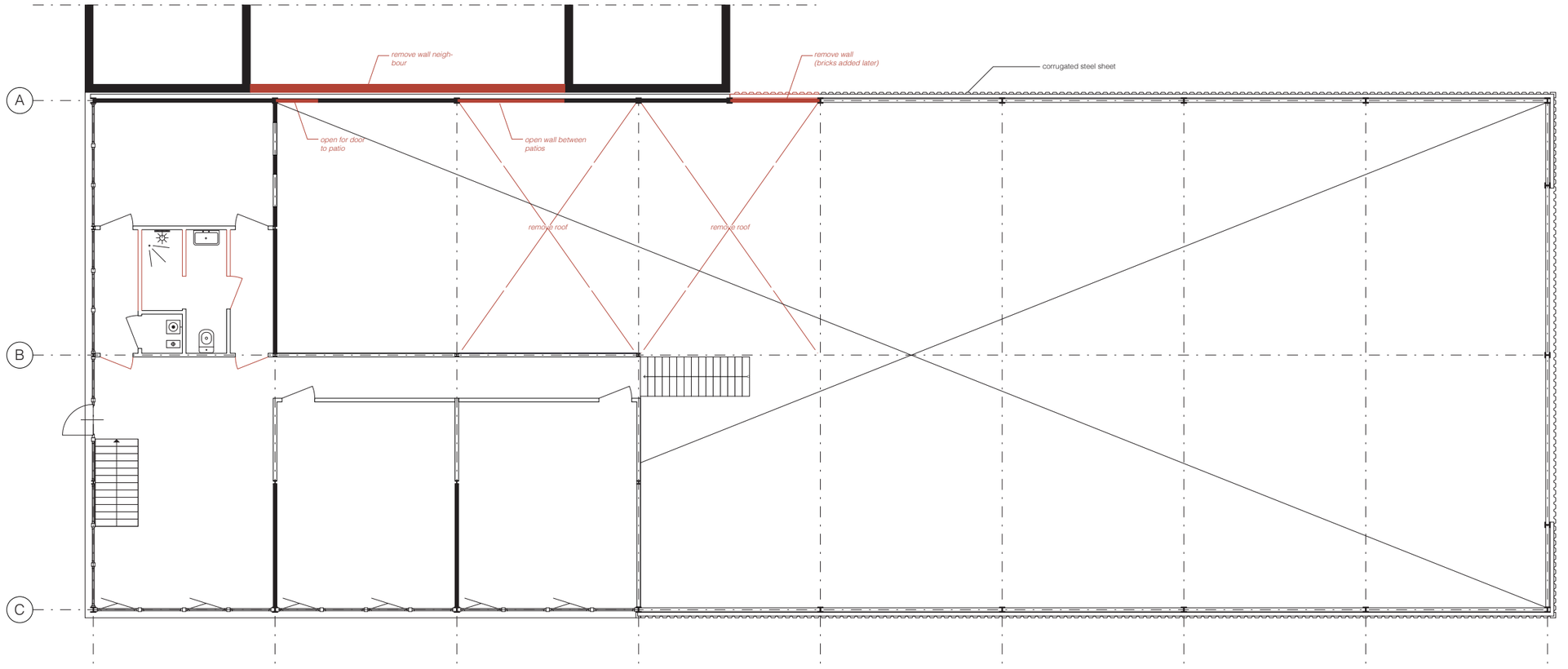


1:50 / A0

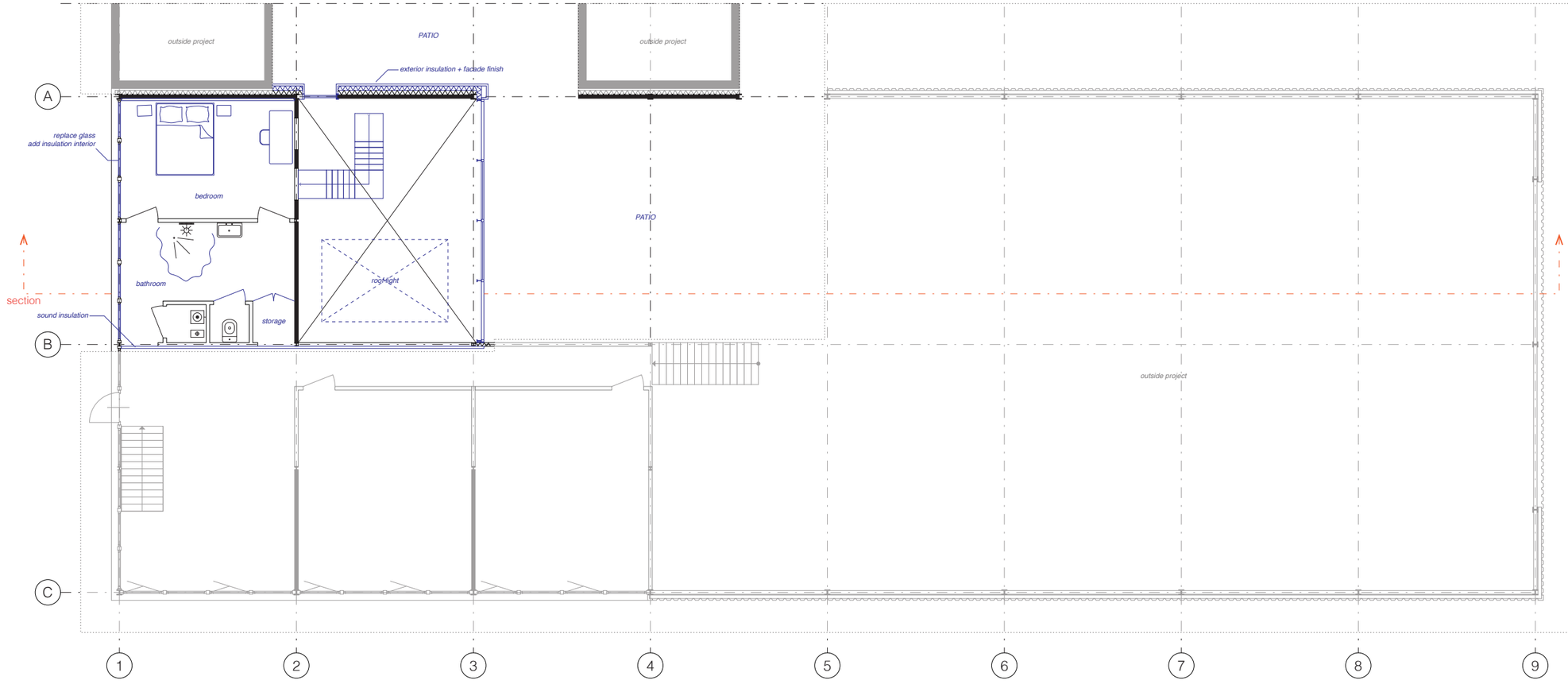
0 1 5 meter

FIRST FLOOR PLAN

Existing + demolition plan:



Preserve + additions:

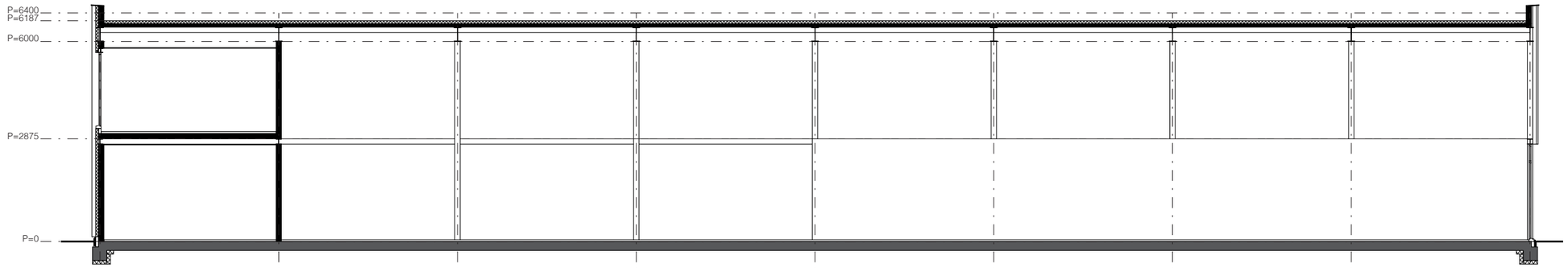


1:50 / A0

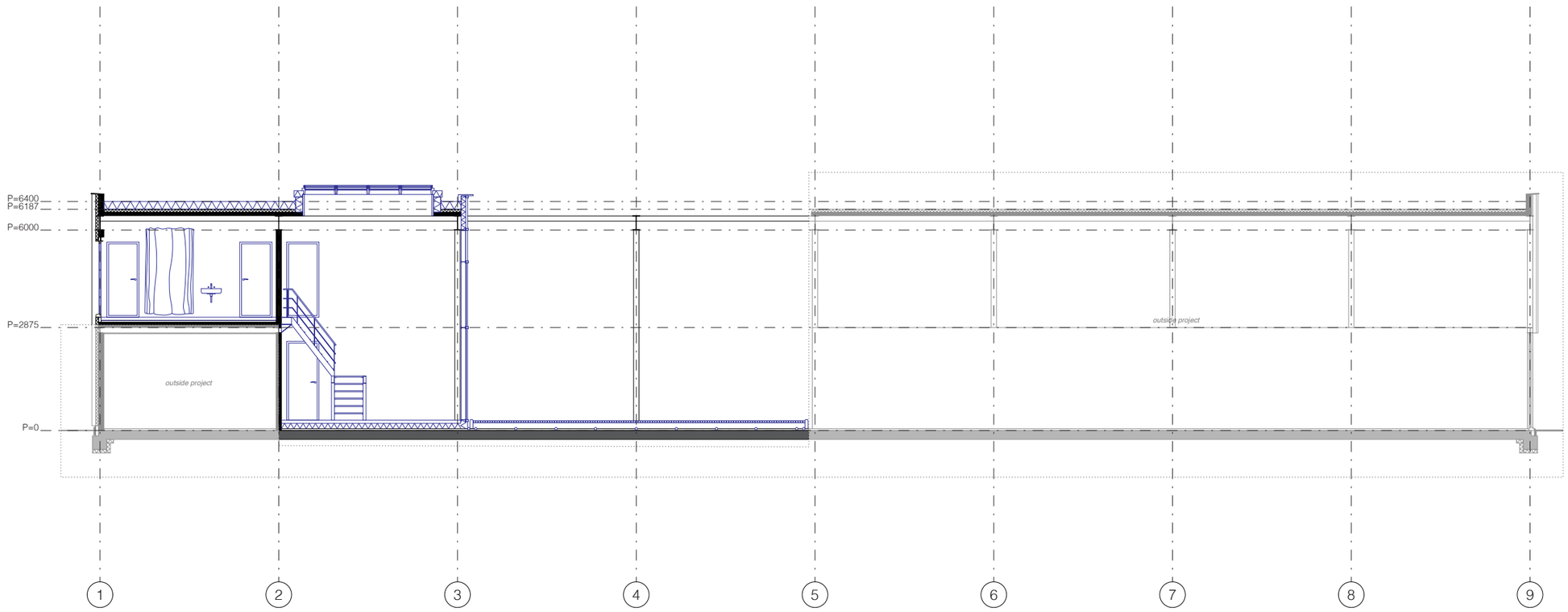
0 1 5 meter

SECTIONS

Existing + demolition plan:



New situation with additions:

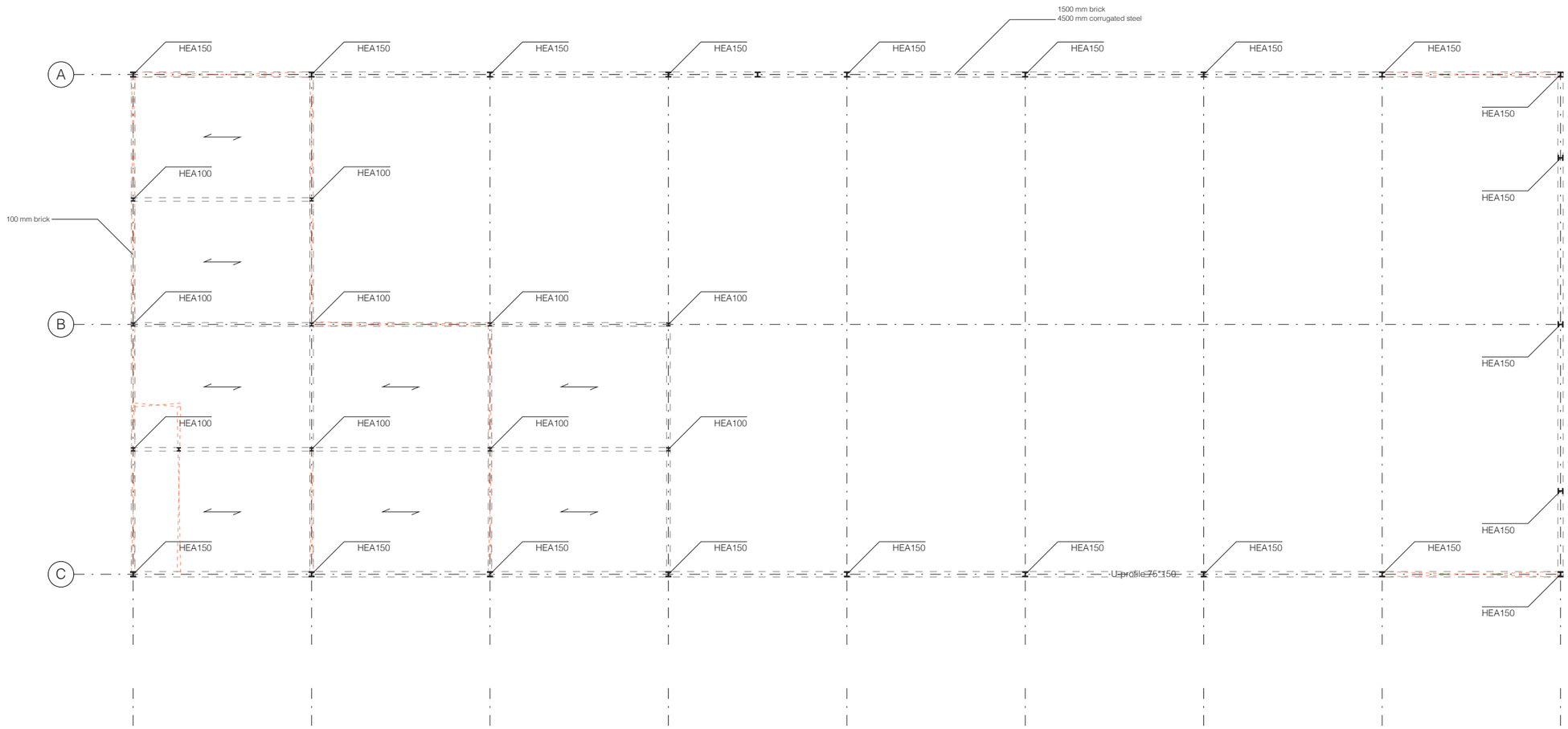


1:50 / A0

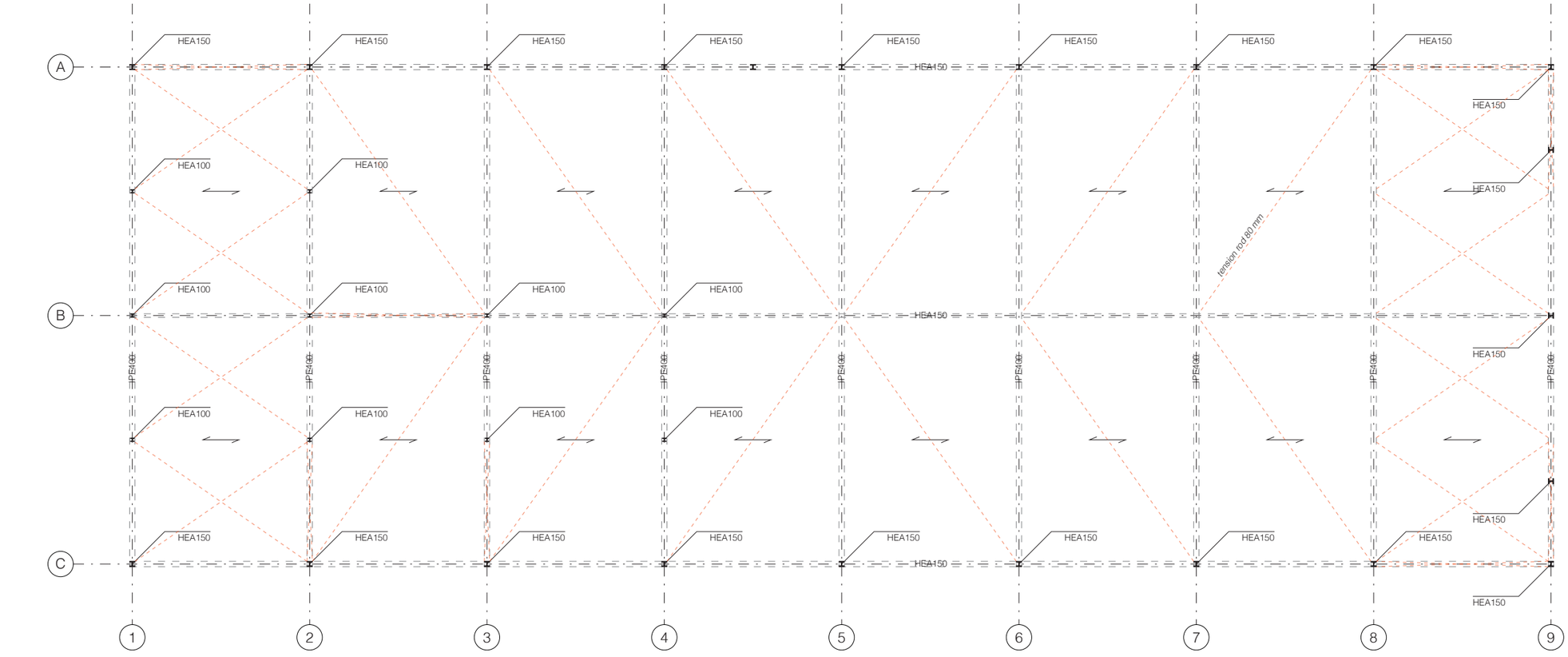
0 1 5 meter

SUPPORTING STRUCTURE

Ground floor:



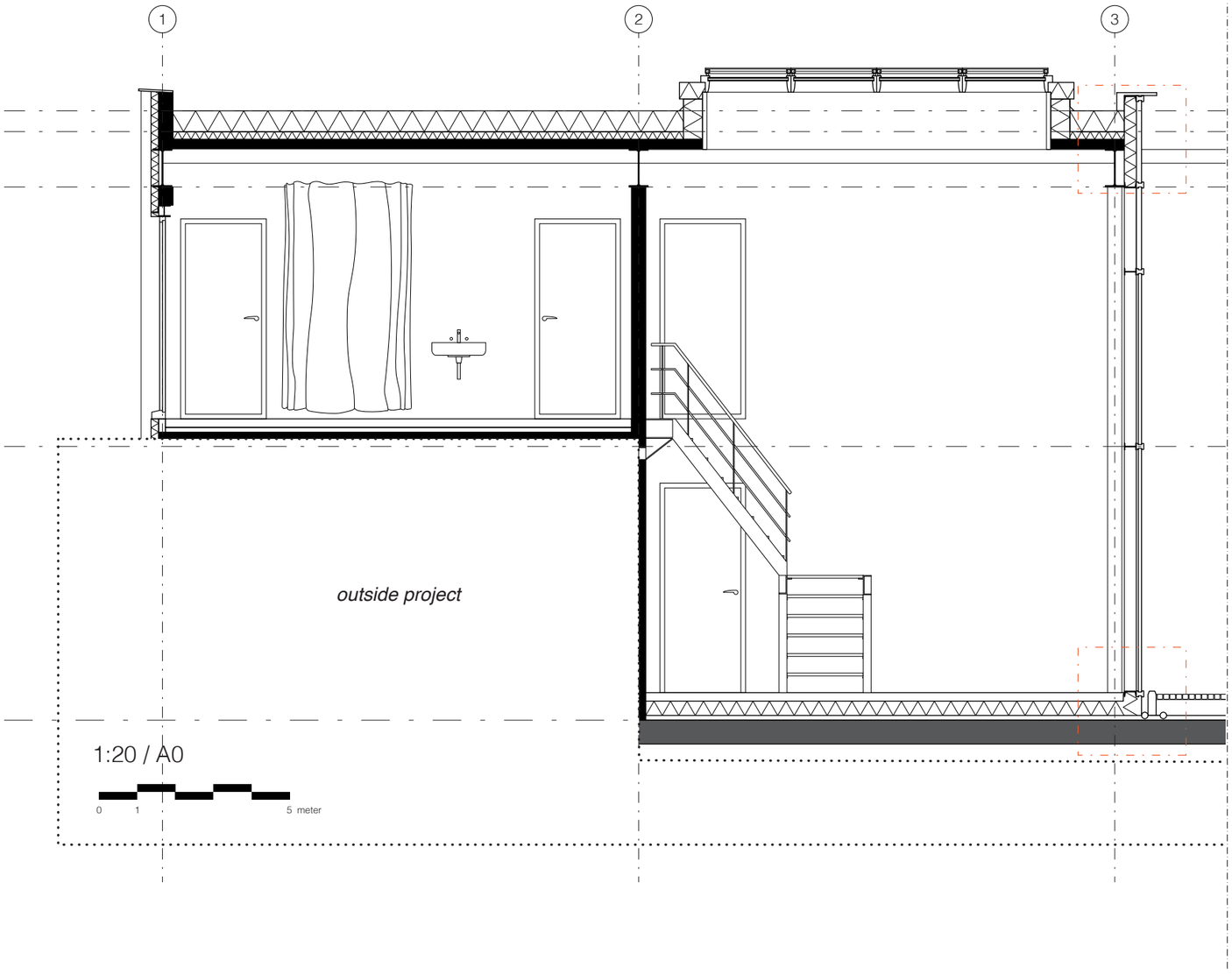
First floor:



1:50 / A0

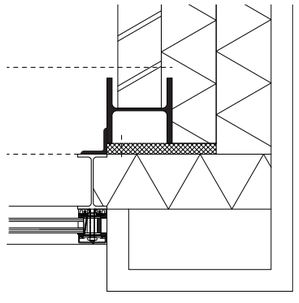
0 1 5 meter

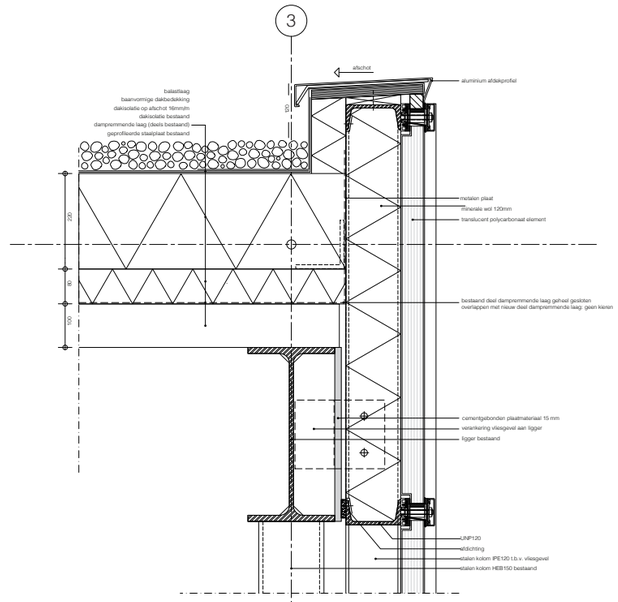
SECTION

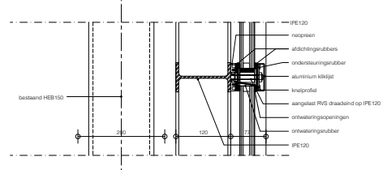


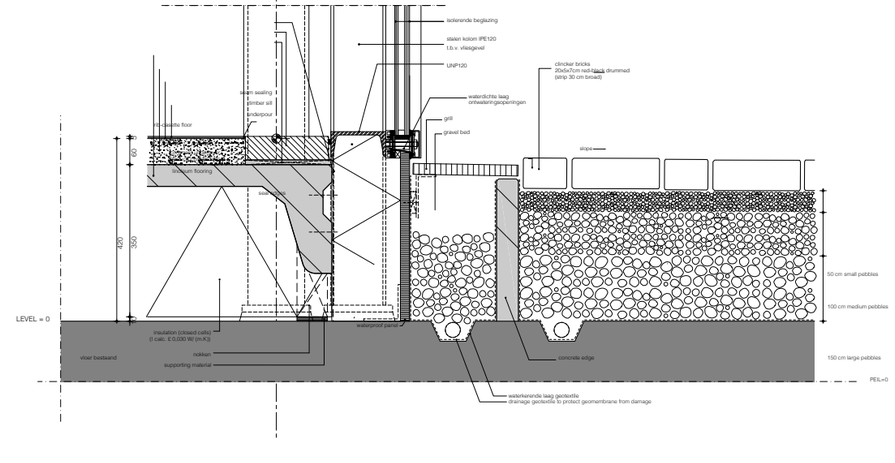
1:20 / A0

0 1 5 meter

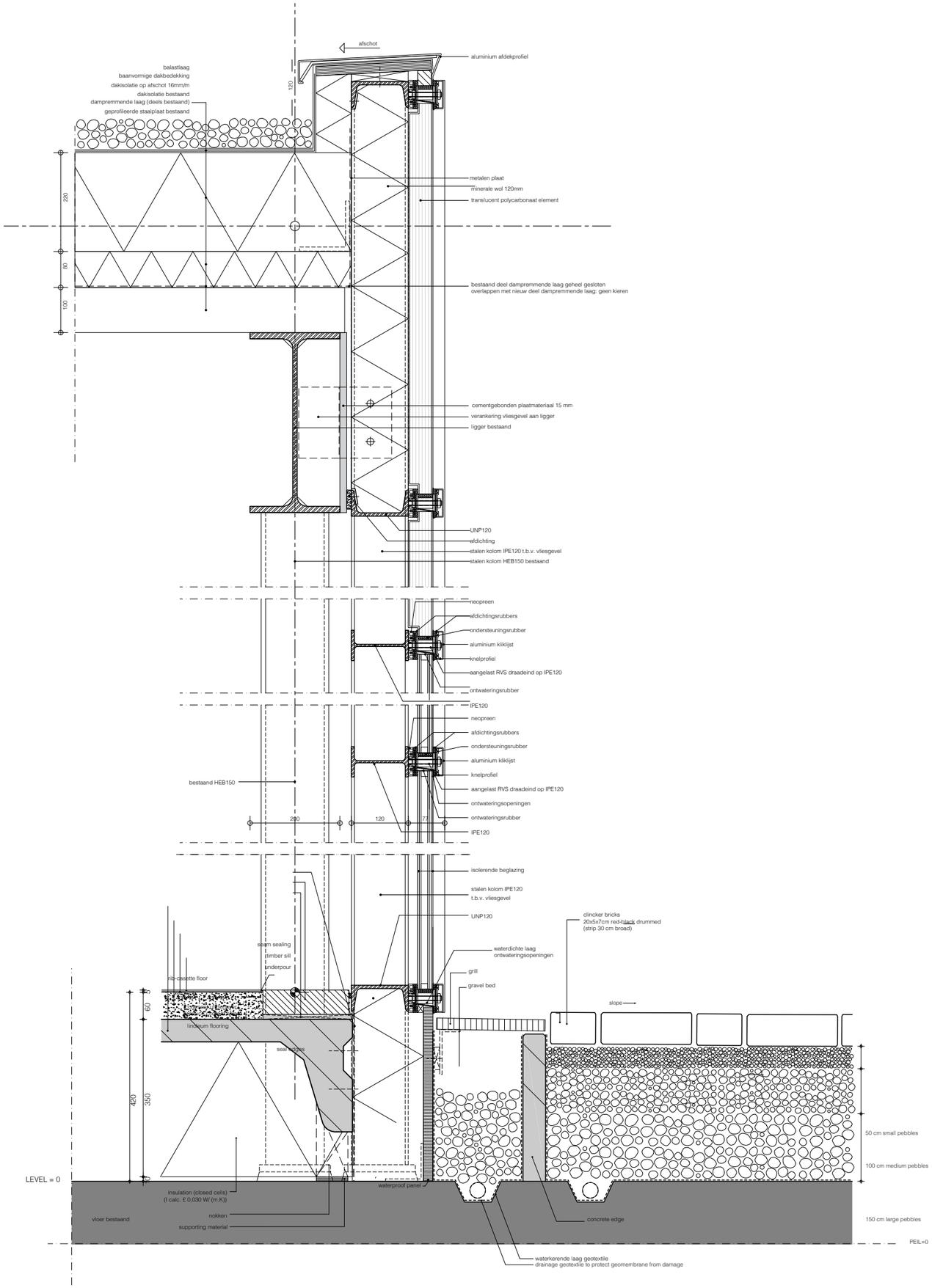




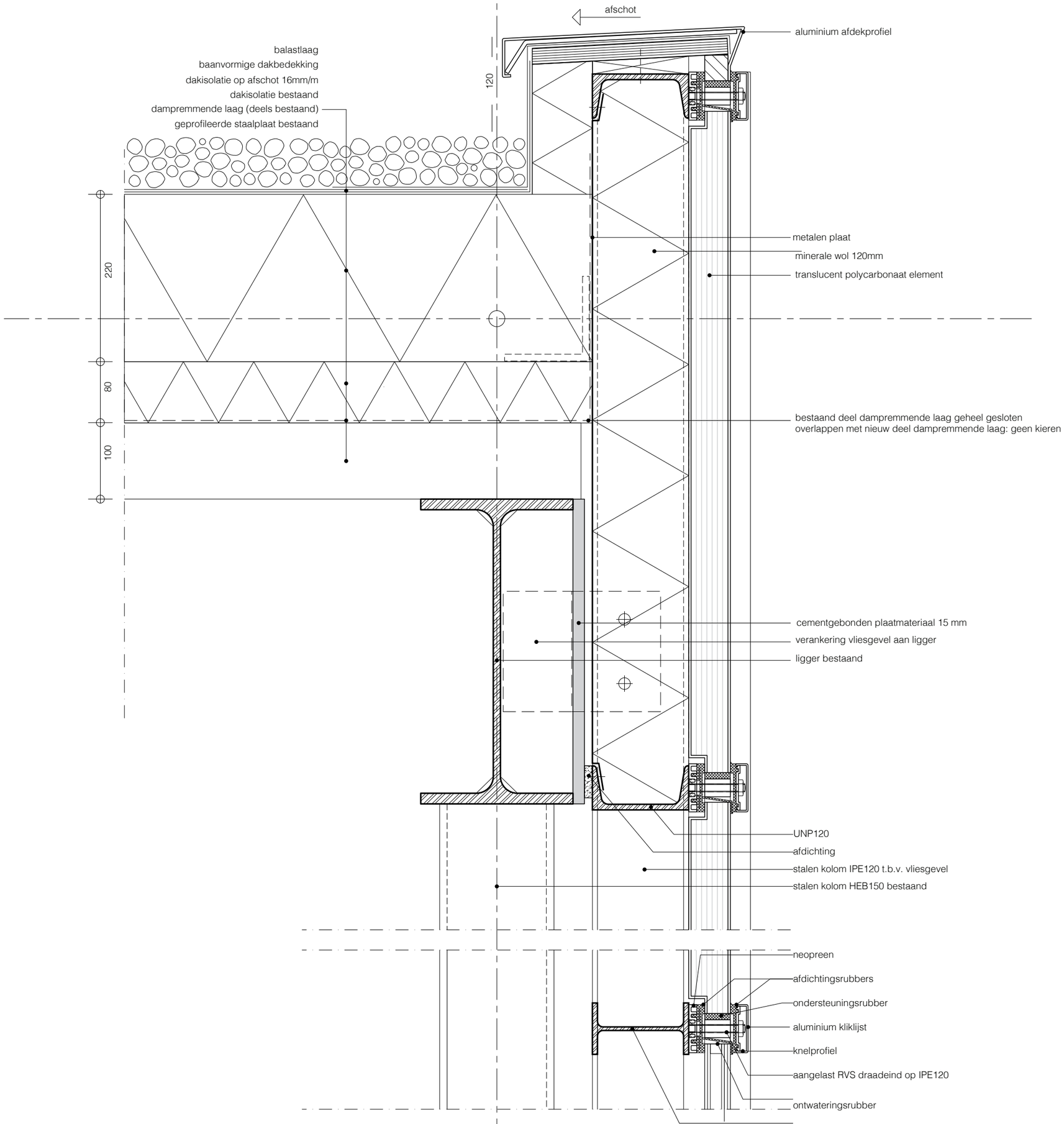


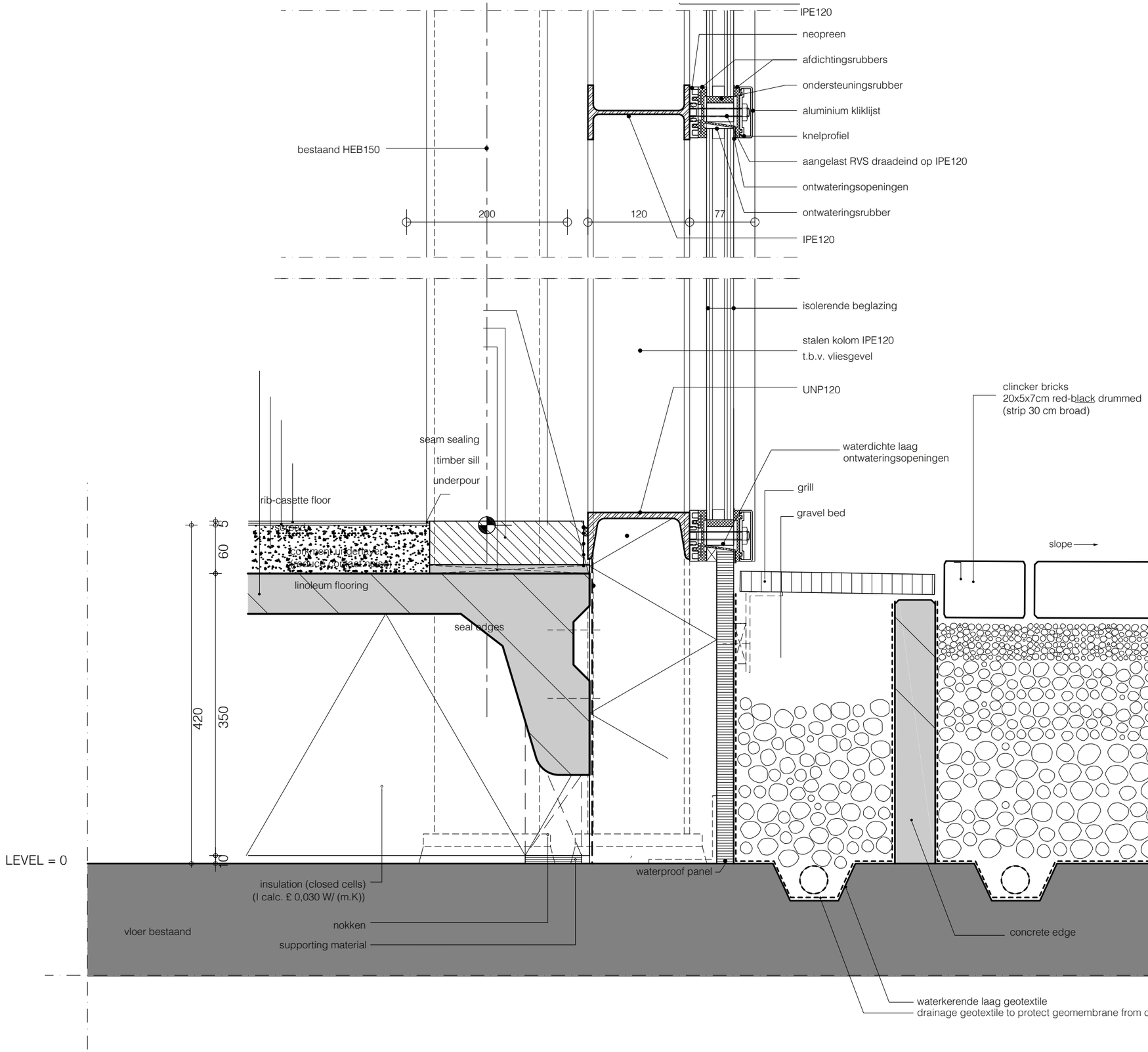


page size **A0**
scale **1:5**



page size **A1**
scale **1:5**


afschot
aluminium afdekprofiel
balastlaag
baanvormige dakbedekking
dakisolatie op afschot 16mm/m
dakisolatie bestaand
dampremmende laag (deels bestaand)
geprofileerde staalplaat bestaand
120
220
80
100
metalen plaat
minerale wol 120mm
translucent polycarbonaat element
bestaand deel dampremmende laag geheel gesloten
overlappen met nieuw deel dampremmende laag: geen kieren
cementgebonden plaatmateriaal 15 mm
verankering vliesgevel aan ligger
ligger bestaand
UNP120
afdichting
stalen kolom IPE120 t.b.v. vliesgevel
stalen kolom HEB150 bestaand
neopreen
afdichtingsrubbers
ondersteuningsrubber
aluminium kliklijst
knelprofiel
aangelast RVS draadeind op IPE120
ontwateringsrubber


IPE120
neopreen
afdichtingsrubbers
ondersteuningsrubber
aluminium kliklijst
knelprofiel
aangelast RVS draadeind op IPE120
ontwateringsopeningen
ontwateringsrubber
IPE120
bestaand HEB150
200
120
77
isolerende beglazing
stalen kolom IPE120
t.b.v. vliesgevel
UNP120
clincker bricks
20x5x7cm red-black drummed
(strip 30 cm broad)
waterdichte laag
ontwateringsopeningen
grill
gravel bed
slope
seam sealing
timber sill
underpour
rib-casette floor
cementgebonden
egalisatielaag (indien nodig)
linoleum flooring
seal edges
5
60
420
350
10
LEVEL = 0
insulation (closed cells)
(I calc. £ 0,030 W/ (m.K))
nokken
supporting material
vloer bestaand
waterproof panel
concrete edge
waterkerende laag geotextile
drainage geotextile to protect geomembrane from damage