

buried heritage



JESSICA ADMIRAAL
02-07-2018

ZUTPHEN

location



20 km

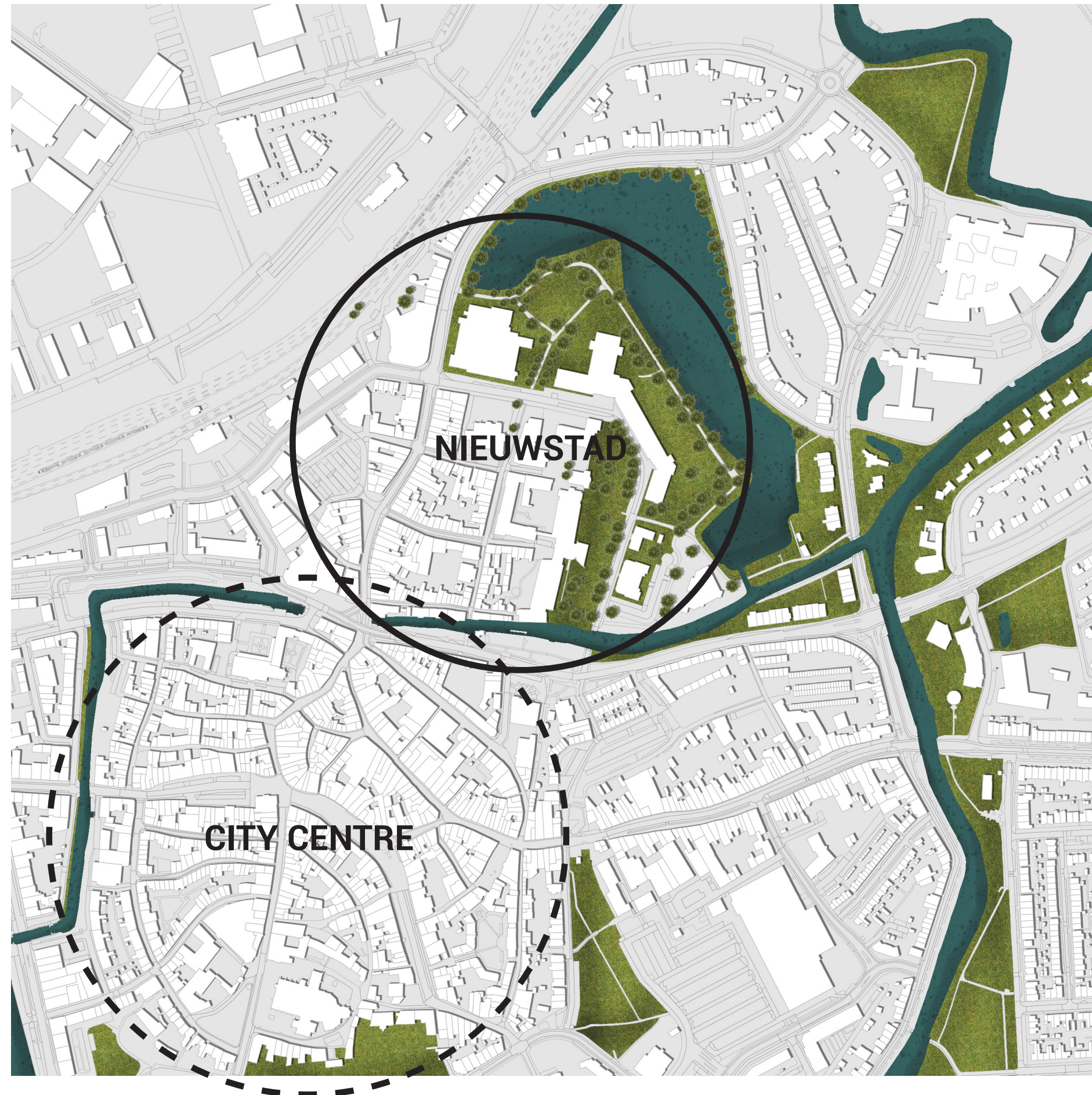


KADER GELDERLAND

focus project

content

- tour through Zutphen
- analysis
- masterplan
- design
- the future



400 meter

50 m



LANGE HOFSTRAAT

impression



50 m



<https://nl.pinterest.com/pin/498773727460949406/>

NIEUWSTAD

impression



50 m



<https://www.contactzutphen.nl/nieuws/algemeen/177295/weer-achterhoek-van-a-tot-z-dag-vijf-zutphen->

NIEUWSTAD

impression



50 m



<https://www.contactzutphen.nl/nieuws/algemeen/177295/weer-achterhoek-van-a-tot-z-dag-vijf-zutphen->

FUNCTIONS

Nieuwstad



photo by Herco Bakker, 29-09-2017

20 m



FUNCTIONS

Nieuwstad



20 m



ISENDOORNSTRAAT

impression



50 m



photo by Jessica Admiraal, 12-12-2017

PROBLEM STATEMENT



not an active area



no relation with the historic city centre



no relation between city and park

NIEUWSTAD

overview



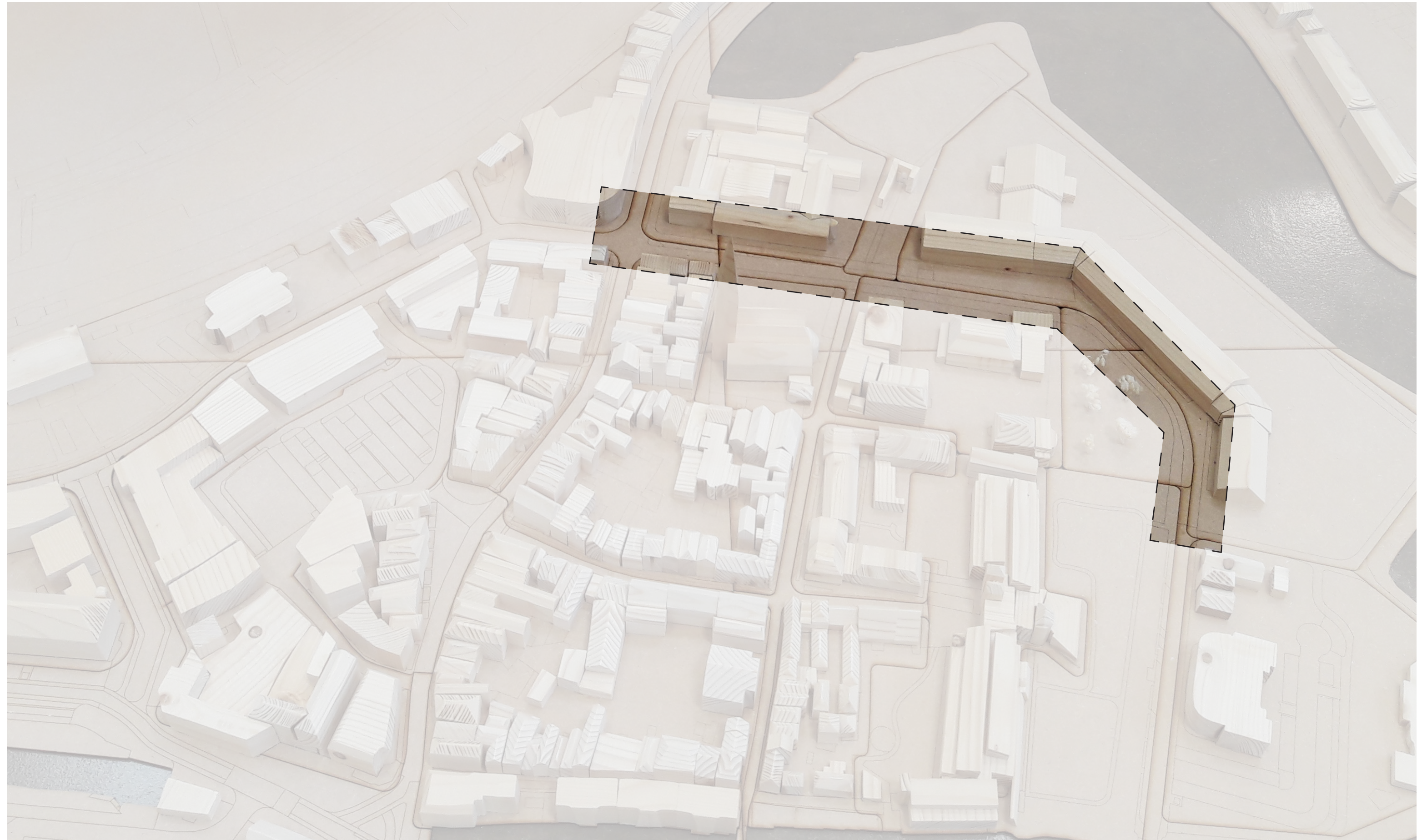
model by students of group Job and Hielkje

30 m



FOCUS

Isendoornstraat



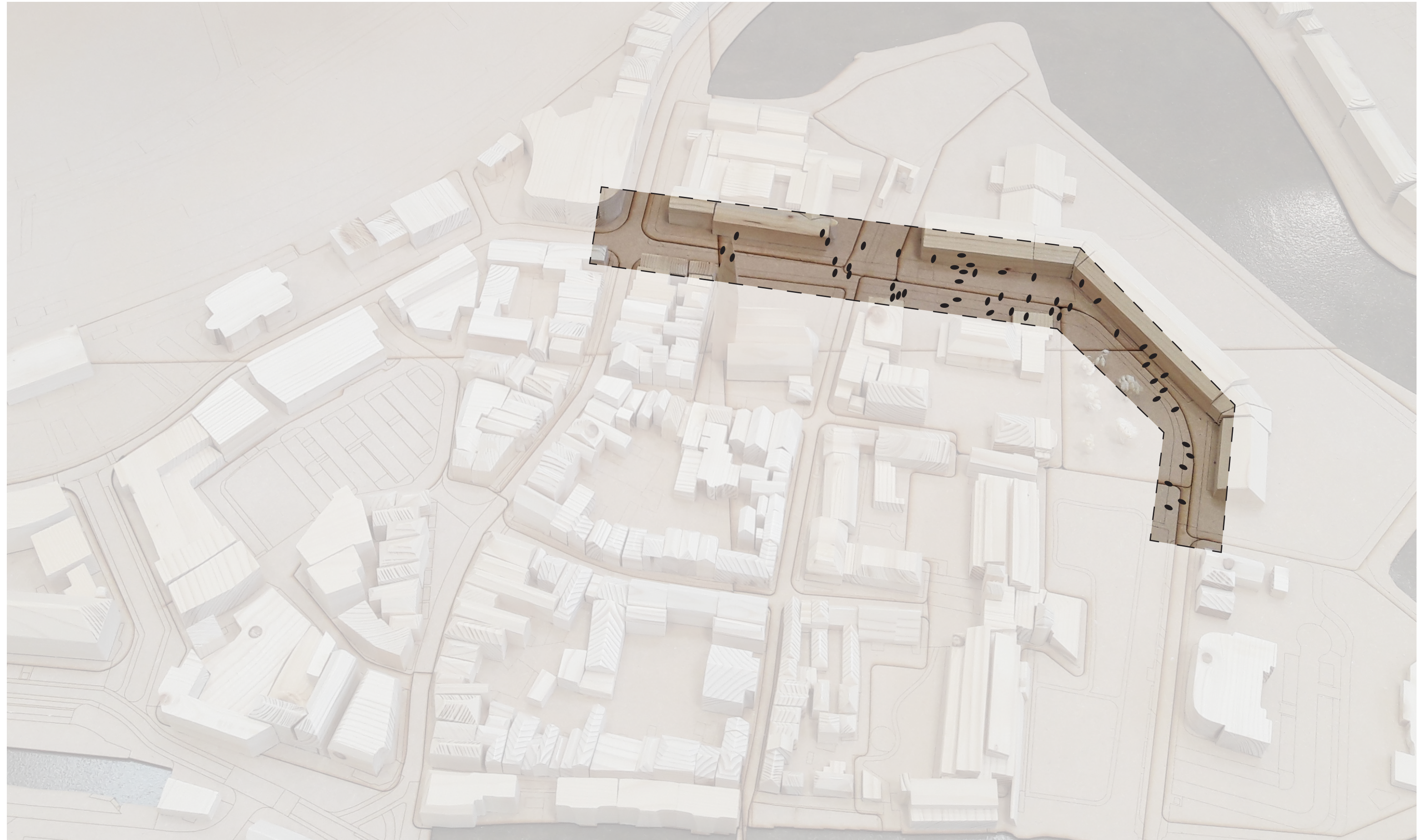
model by students of group Job and Hielkje

30 m



ASSIGNMENT

make the area active and lively



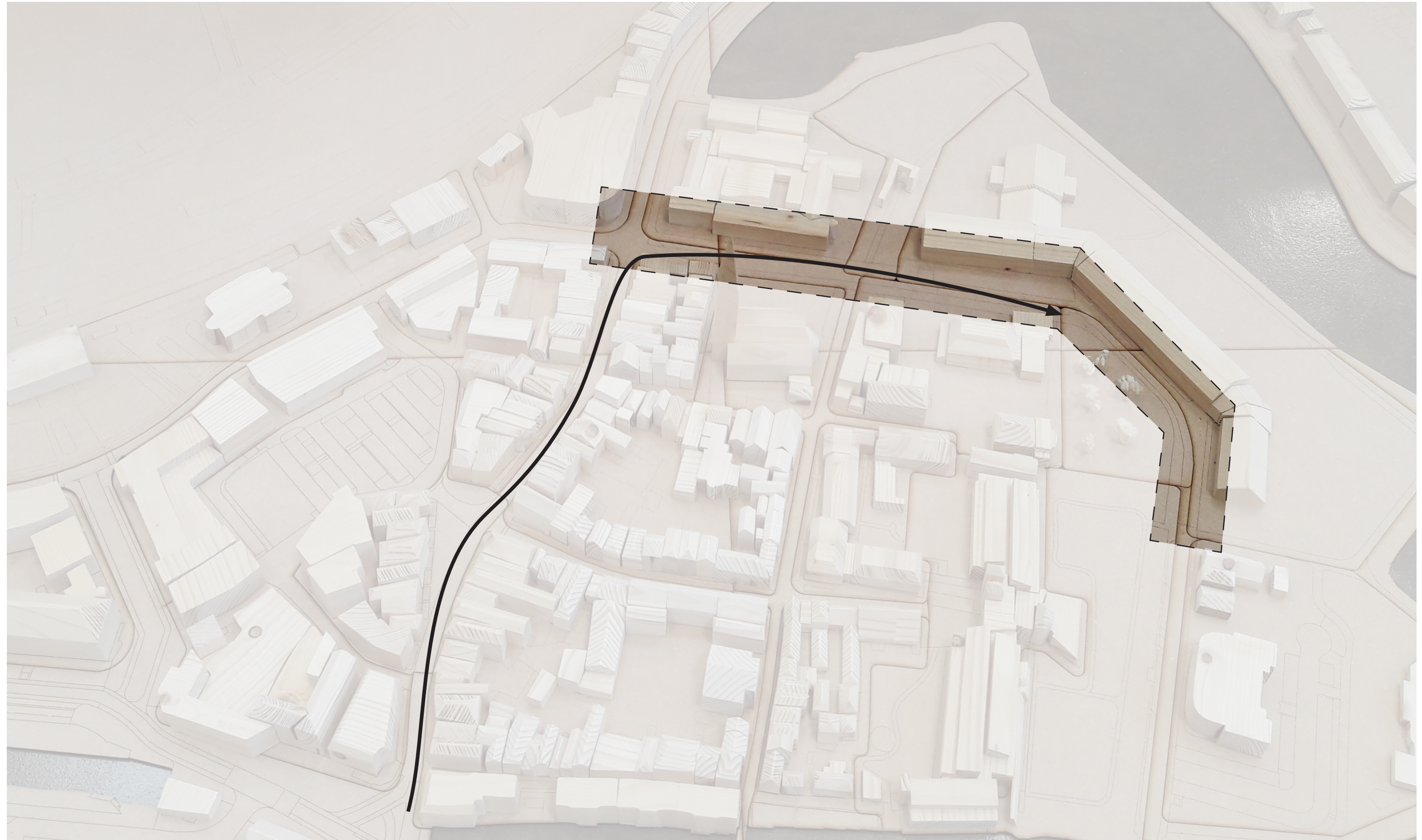
model by students of group Job and Hielkje

30 m



ASSIGNMENT

improve the connection with the park



model by students of group Job and Hielkje

30 m



ASSIGNMENT

improve the connection with the park



model by students of group Job and Hielkje

30 m



FOCUS

Het Stedelijk



model by students of group Job and Hielkje

30 m



HET STEDELIJK

impression

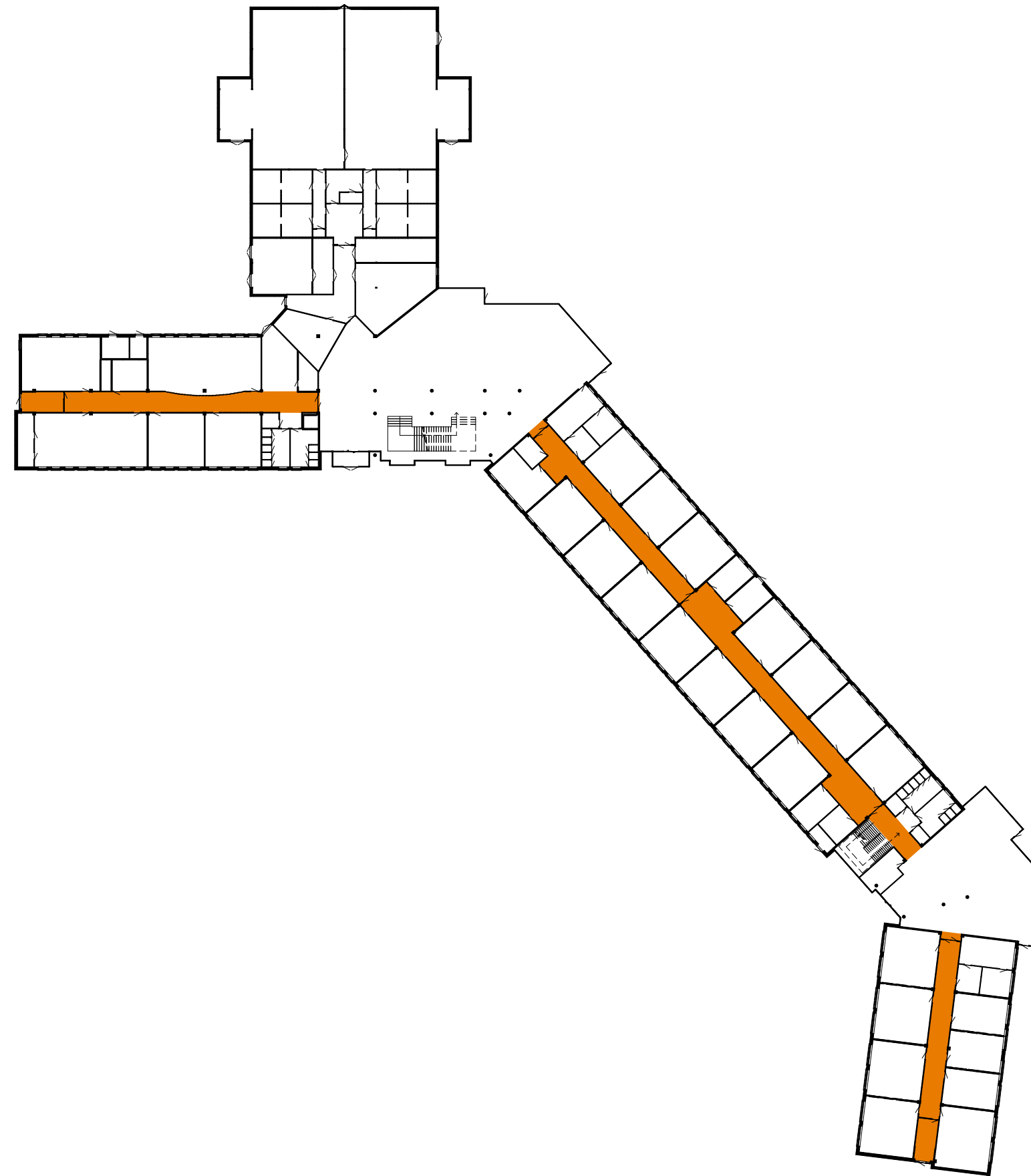


photo by Jessica Admiraal, 12-12-2017



HET STEDELIJK

corridor

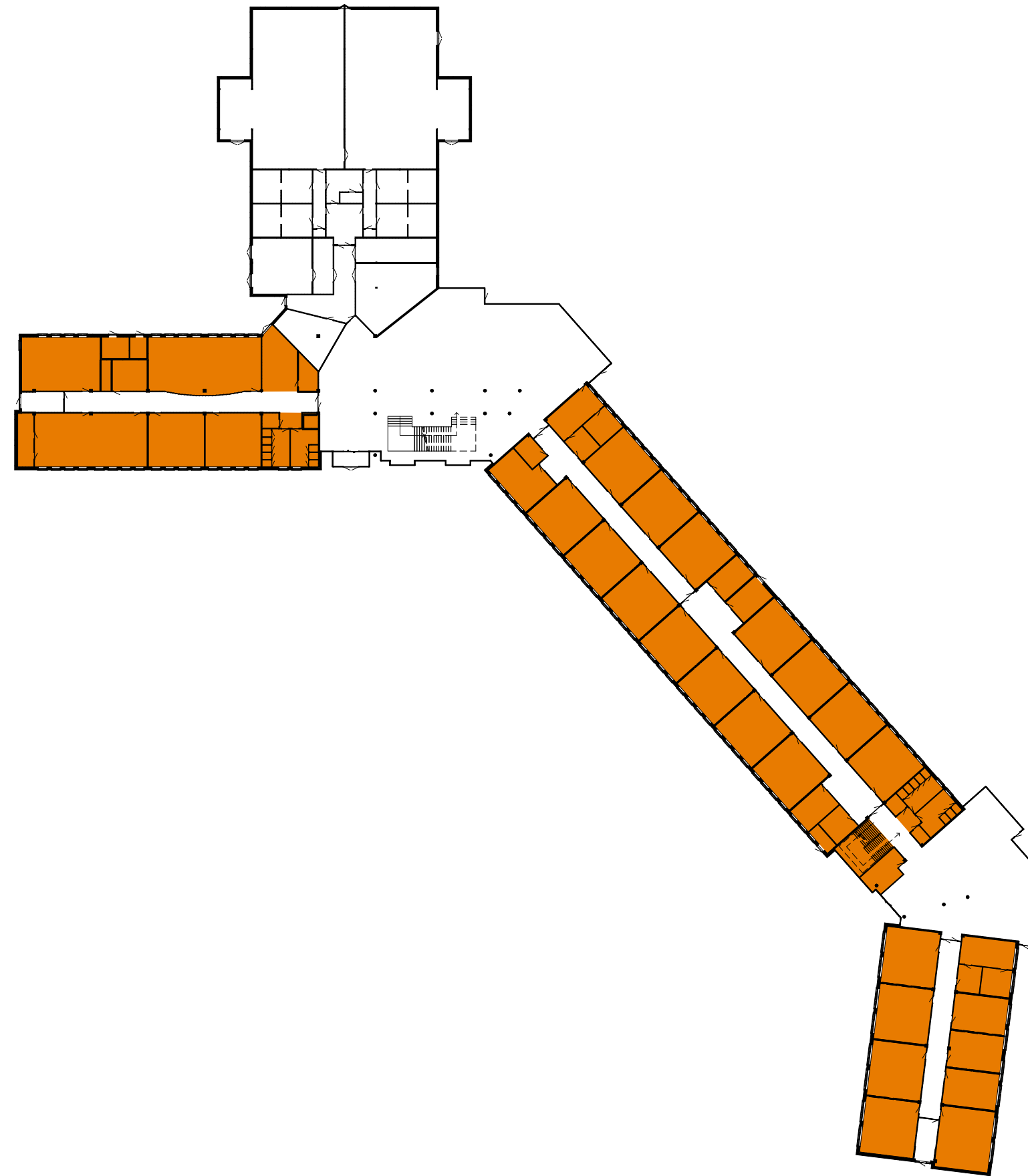


10 m



HET STEDELIJK

classrooms

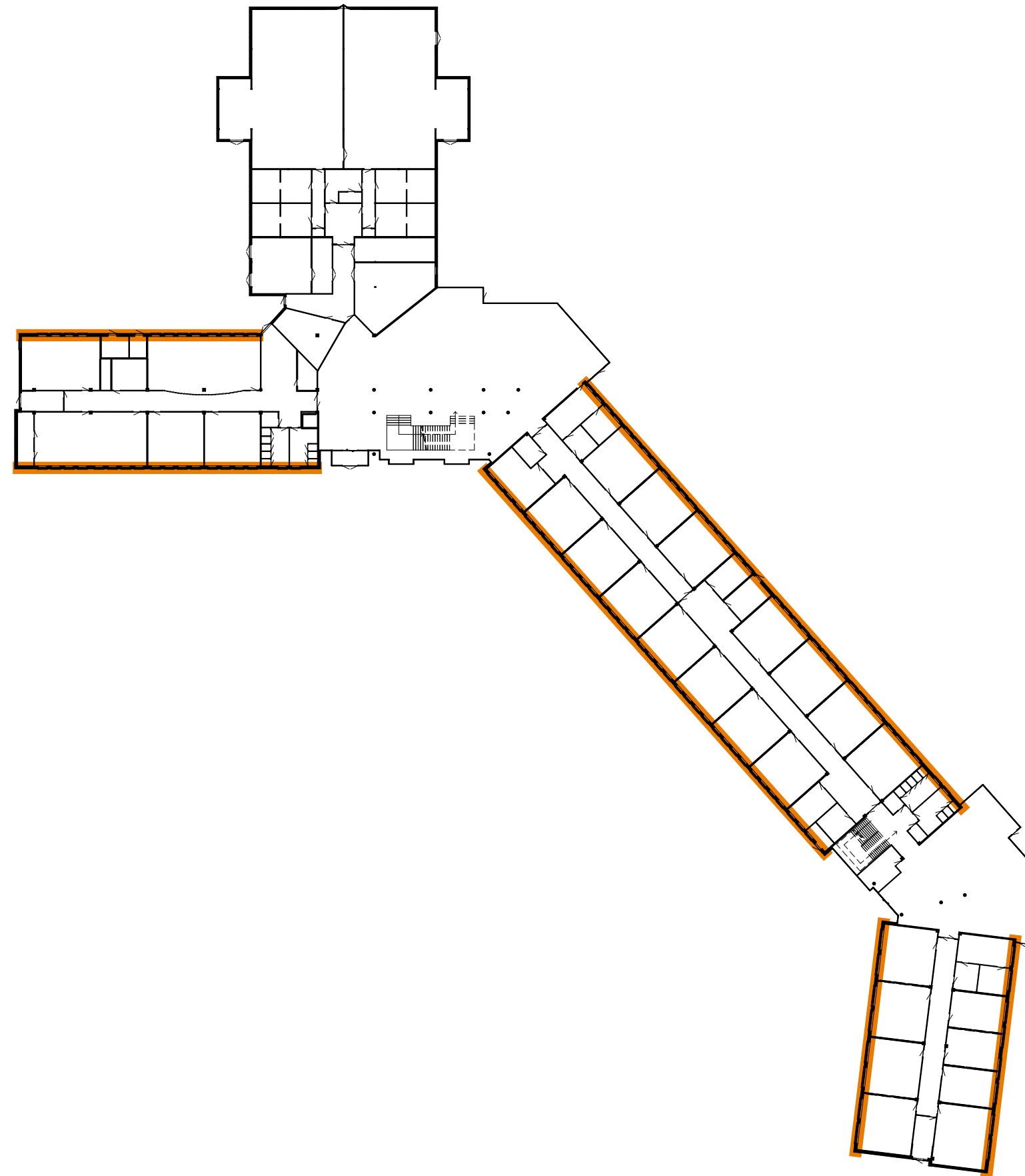


10 m



HET STEDELIJK

construction

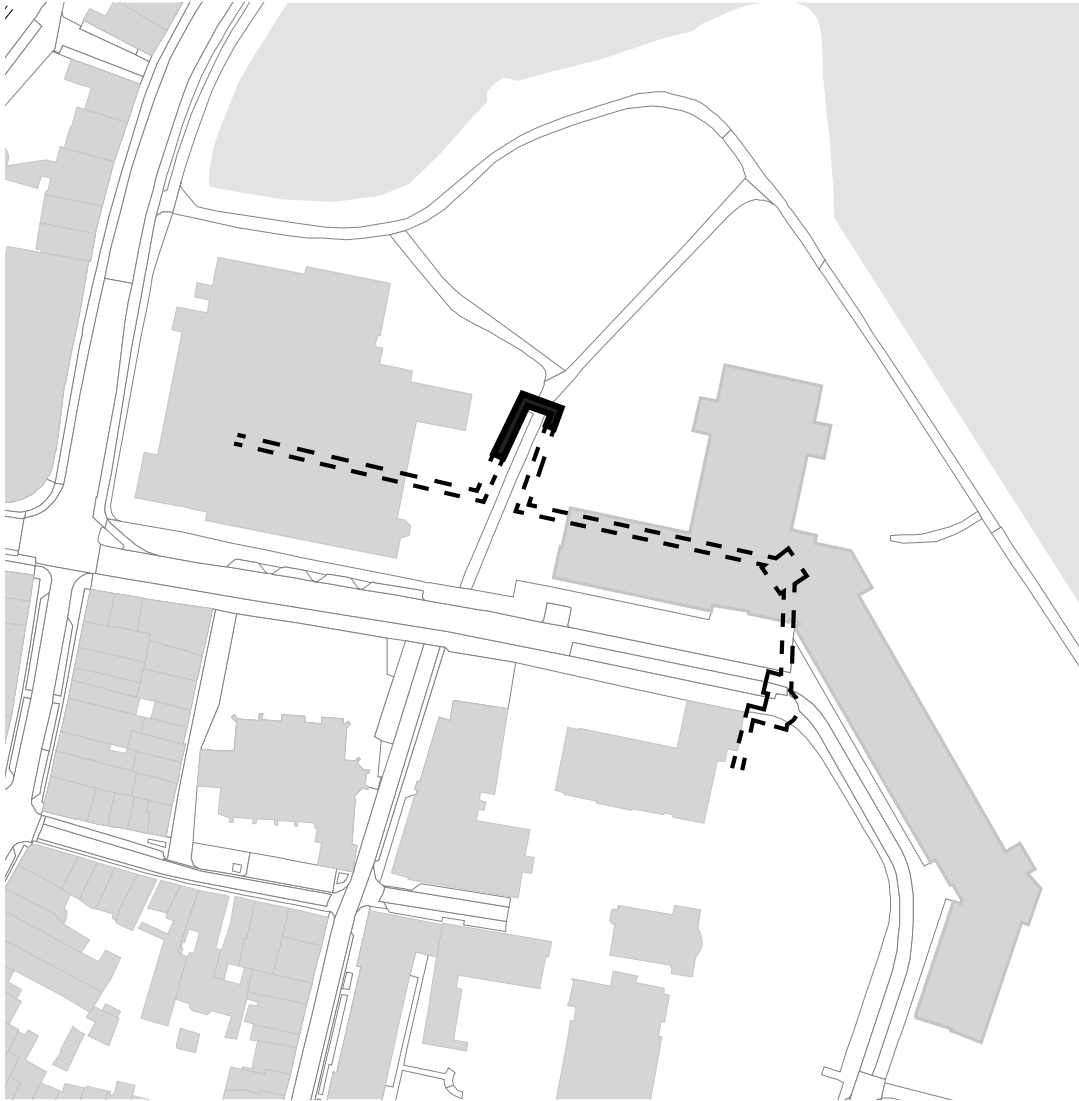


10 m



FORTIFICATION

remains



city wall of Zutphen



photo by Jessica Admiraal, 12-12-2017

FUTURE



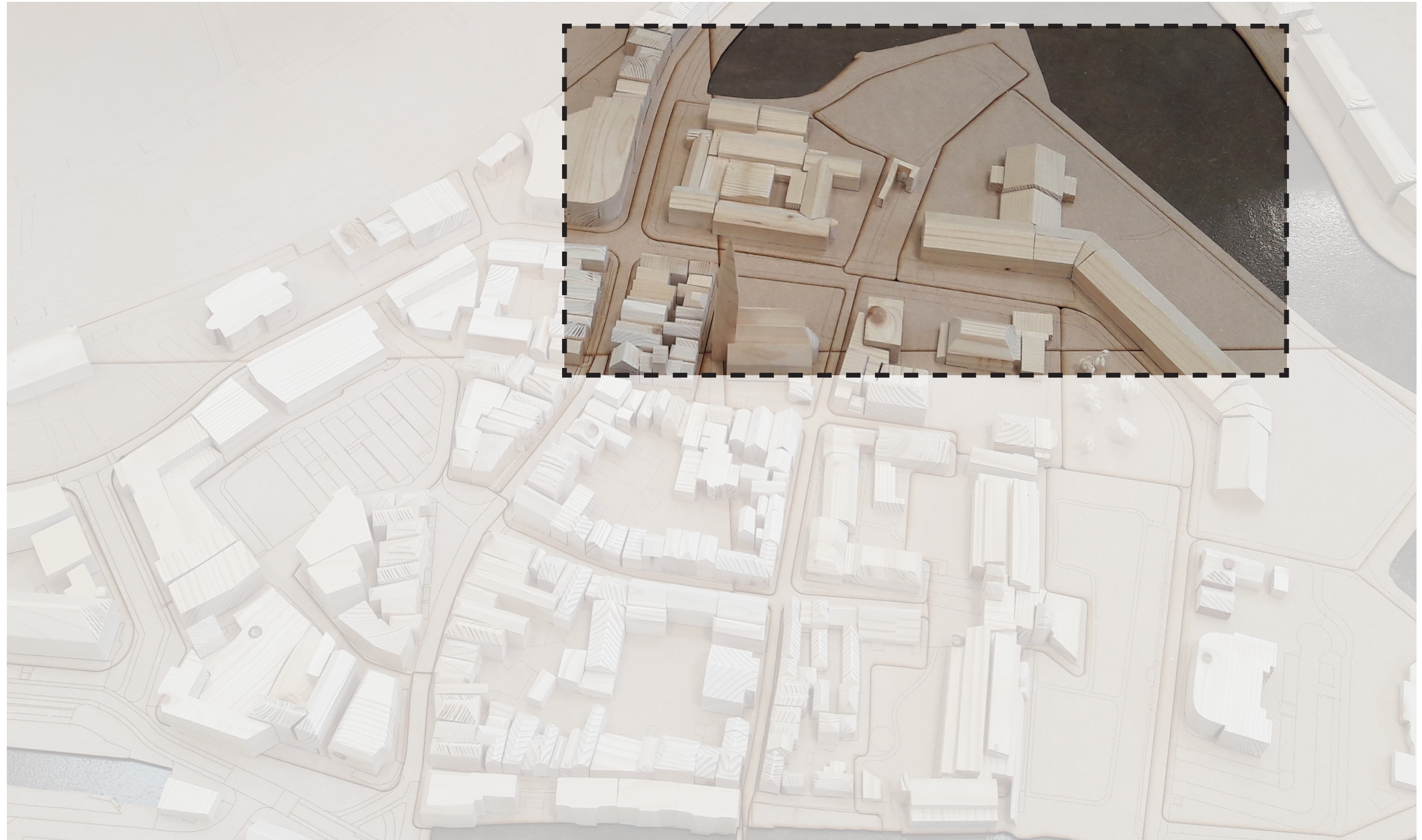
PRESENT



PAST

ANALYSIS

northern border Nieuwstad



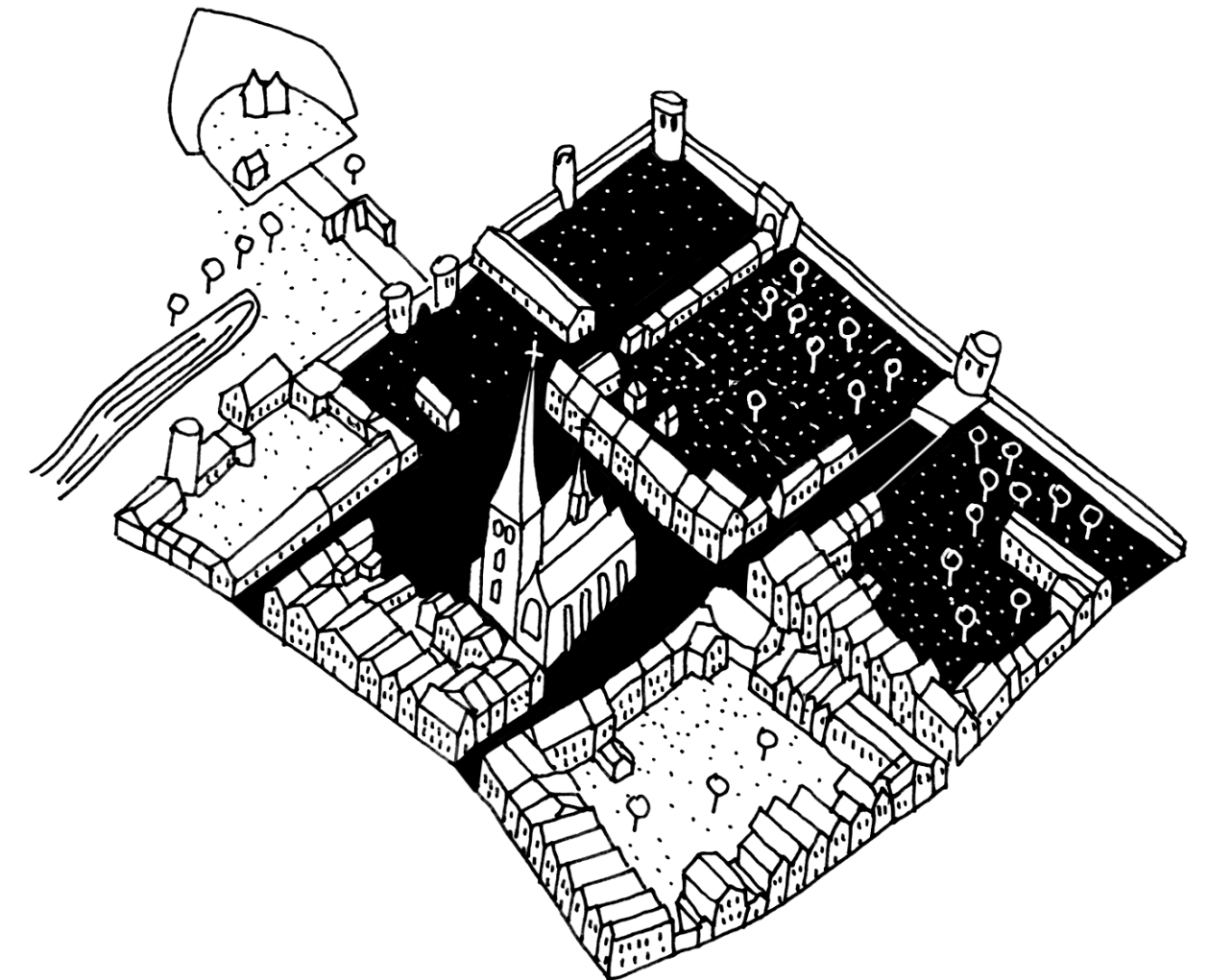
30 m



model by students of group Job and Hielkje

SITE

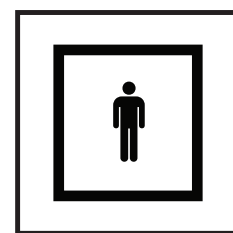
1350 - 1595



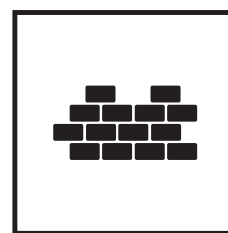
a place to stay



relation building and park



intimate character



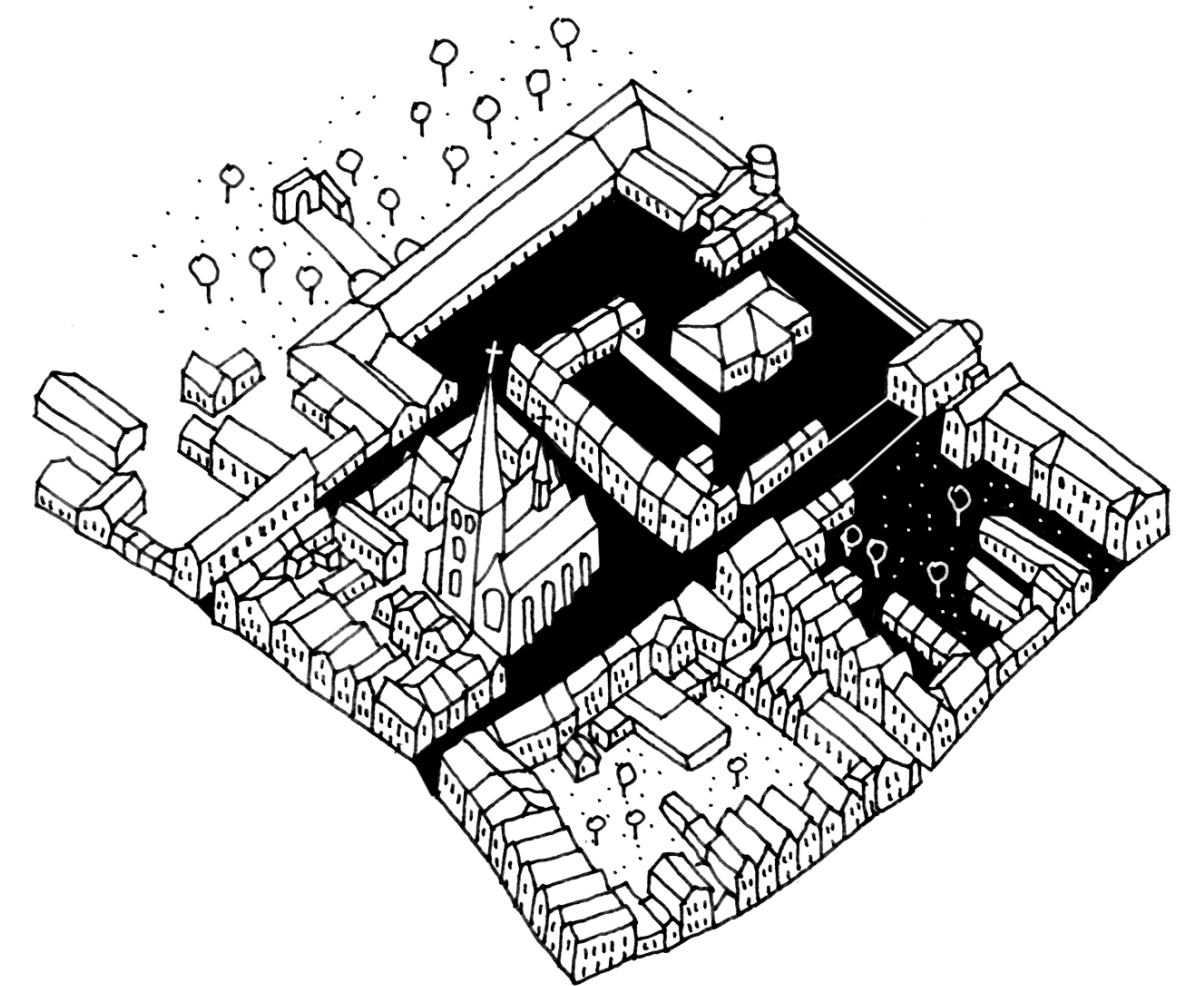
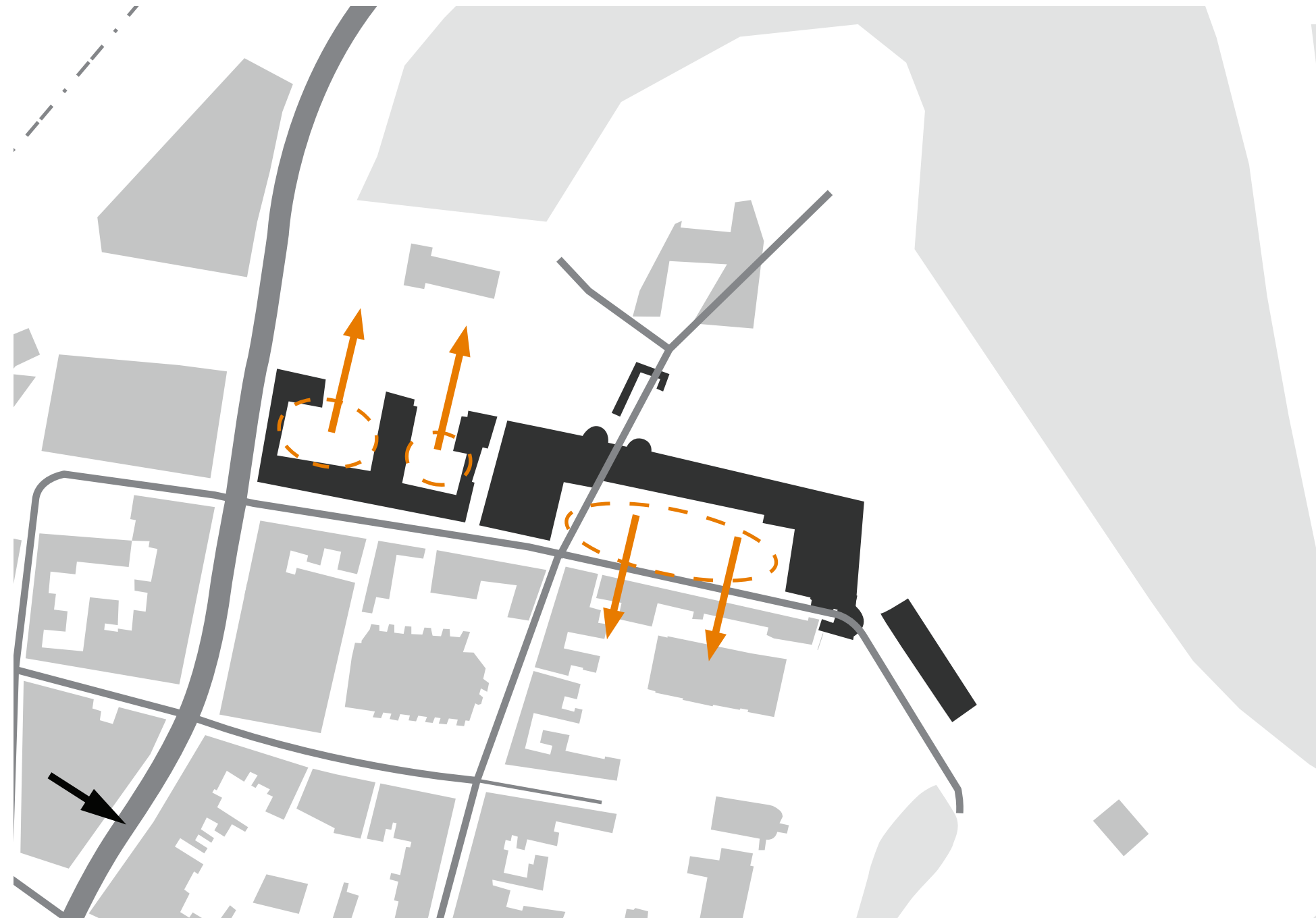
fortification

30 m



SITE

1874 - 1900



drawing by Stavroula Birda



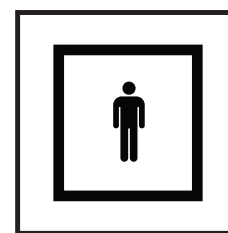
www.reidinga.nl, SZU002025983



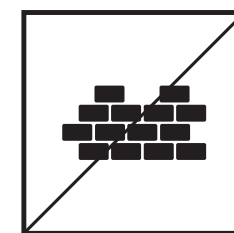
a place to stay



relation building and park



intimate character



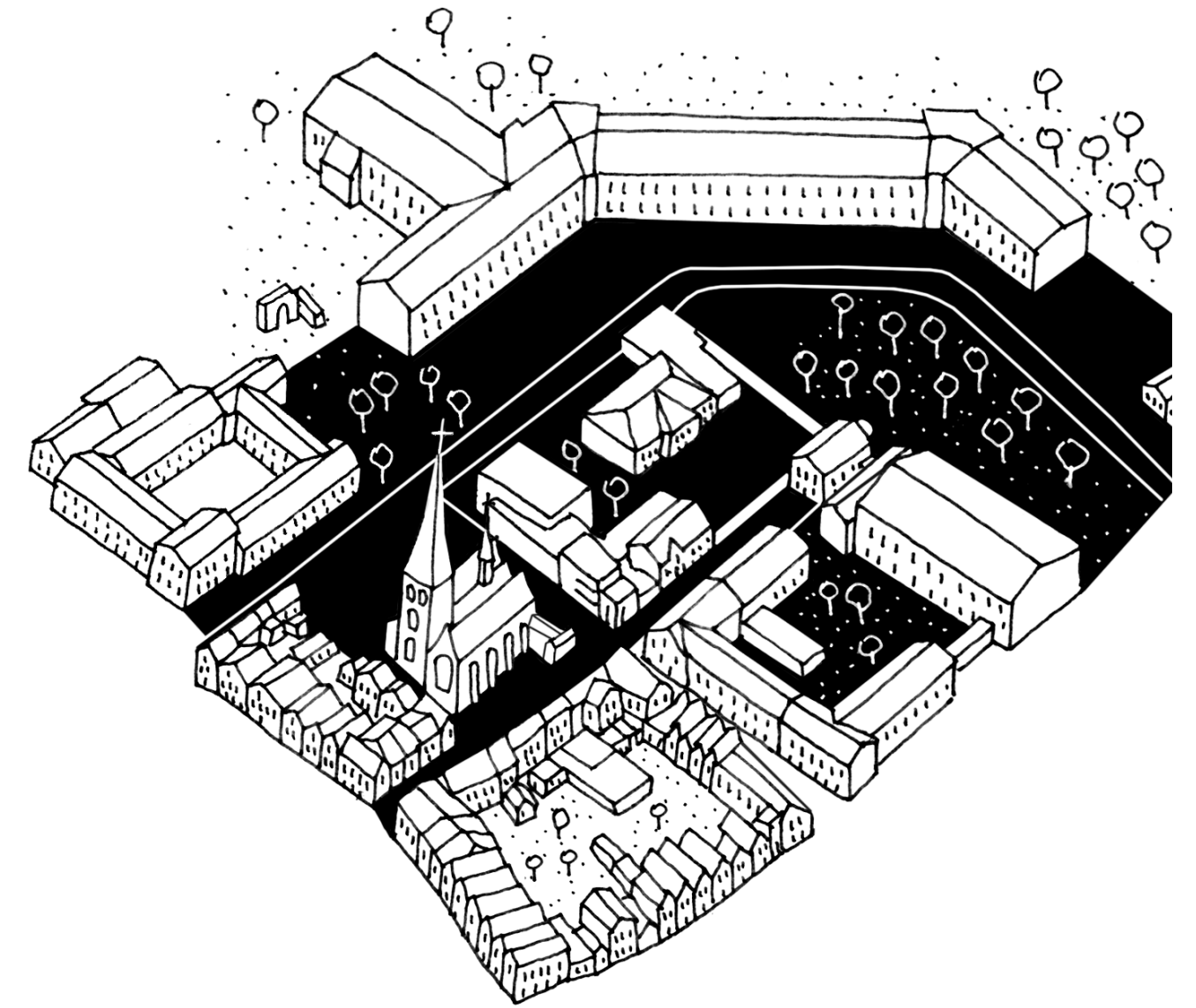
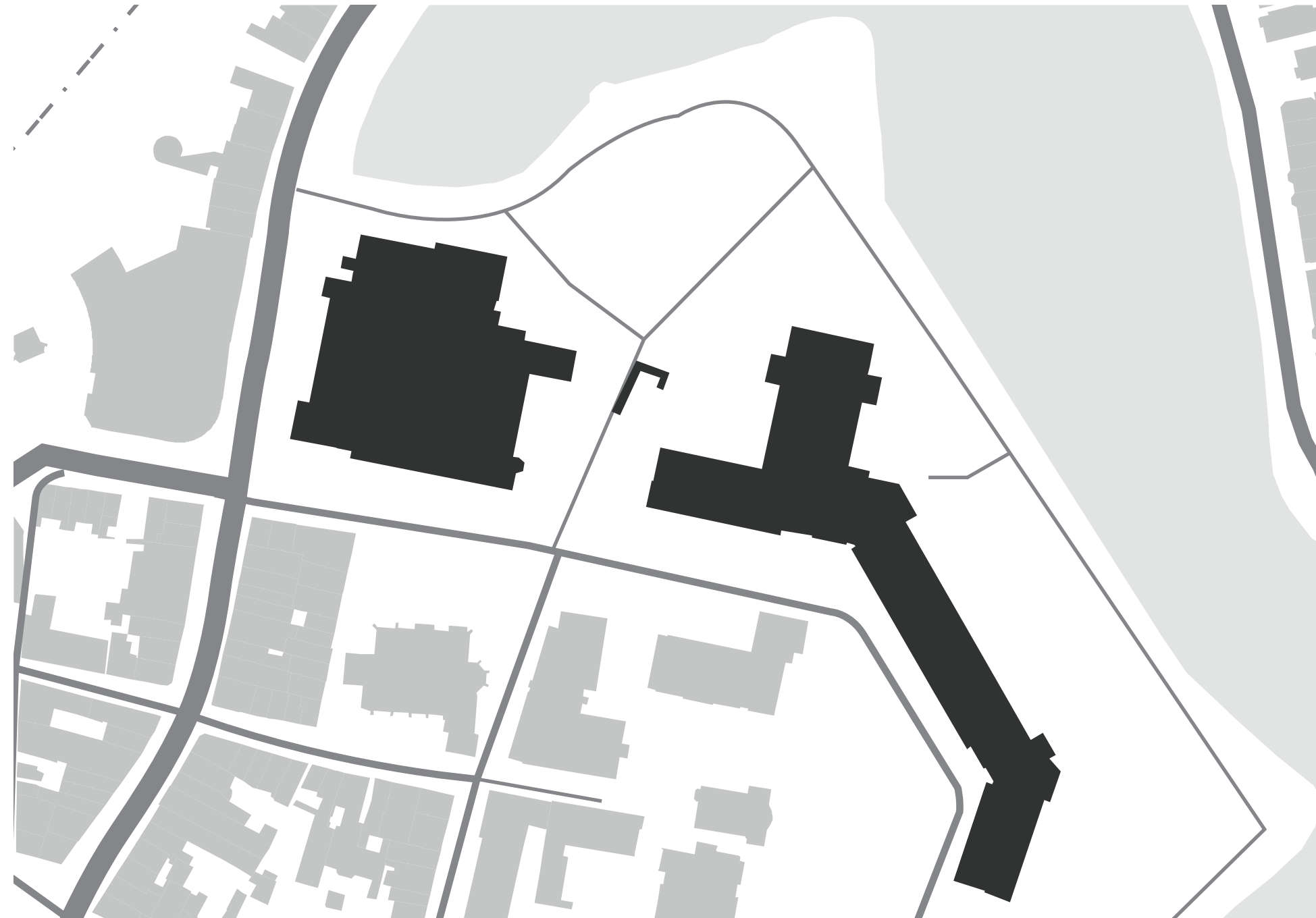
fortification

30 m

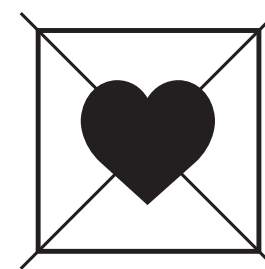


SITE

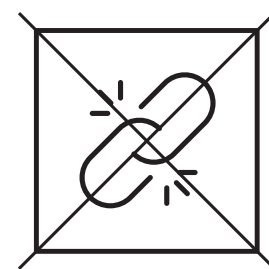
2018



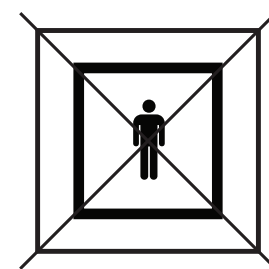
drawing by Stavroula Birda



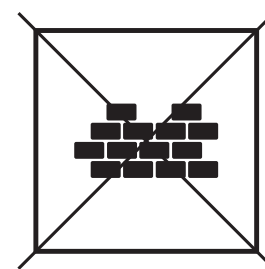
*a place to
stay*



*relation
building and
park*



*intimate
character*



fortification



photo by Jessica Admiraal, 12-12-2017

30 m



problem: not an active area, no relation between city and park, and no relation with the historic city centre

To what extent can the **reinterpretation of disappeared heritage** and its spatial qualities contribute to create **new urban spaces**?

TRANSFORMATION FRAMEWORK

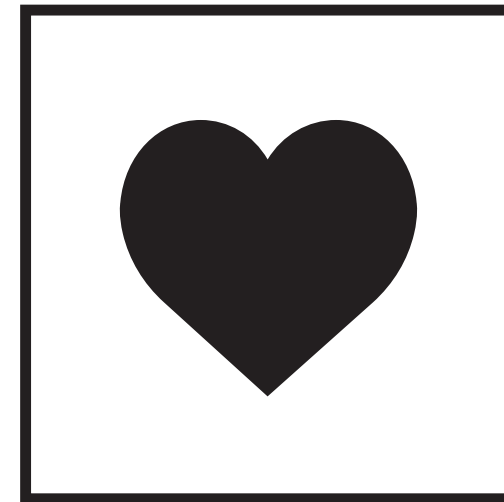
To what extent can the **reinterpretation of disappeared heritage** and its spatial qualities contribute to create **new urban spaces**?



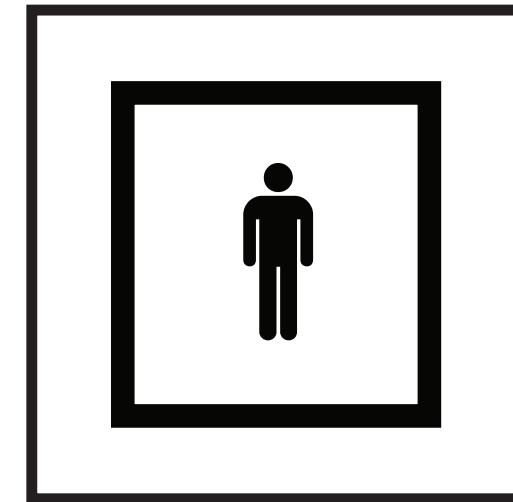
re-activate the
area



connect the park
with the building
and Nieuwstad



create spaces to
stay



create intimacy

MASTERPLAN

STRATEGY

existing situation



20 m



STRATEGY

dead end of Isendoornstraat



STRATEGY

demolish part A



20 m





20 m



STRATEGY

concept

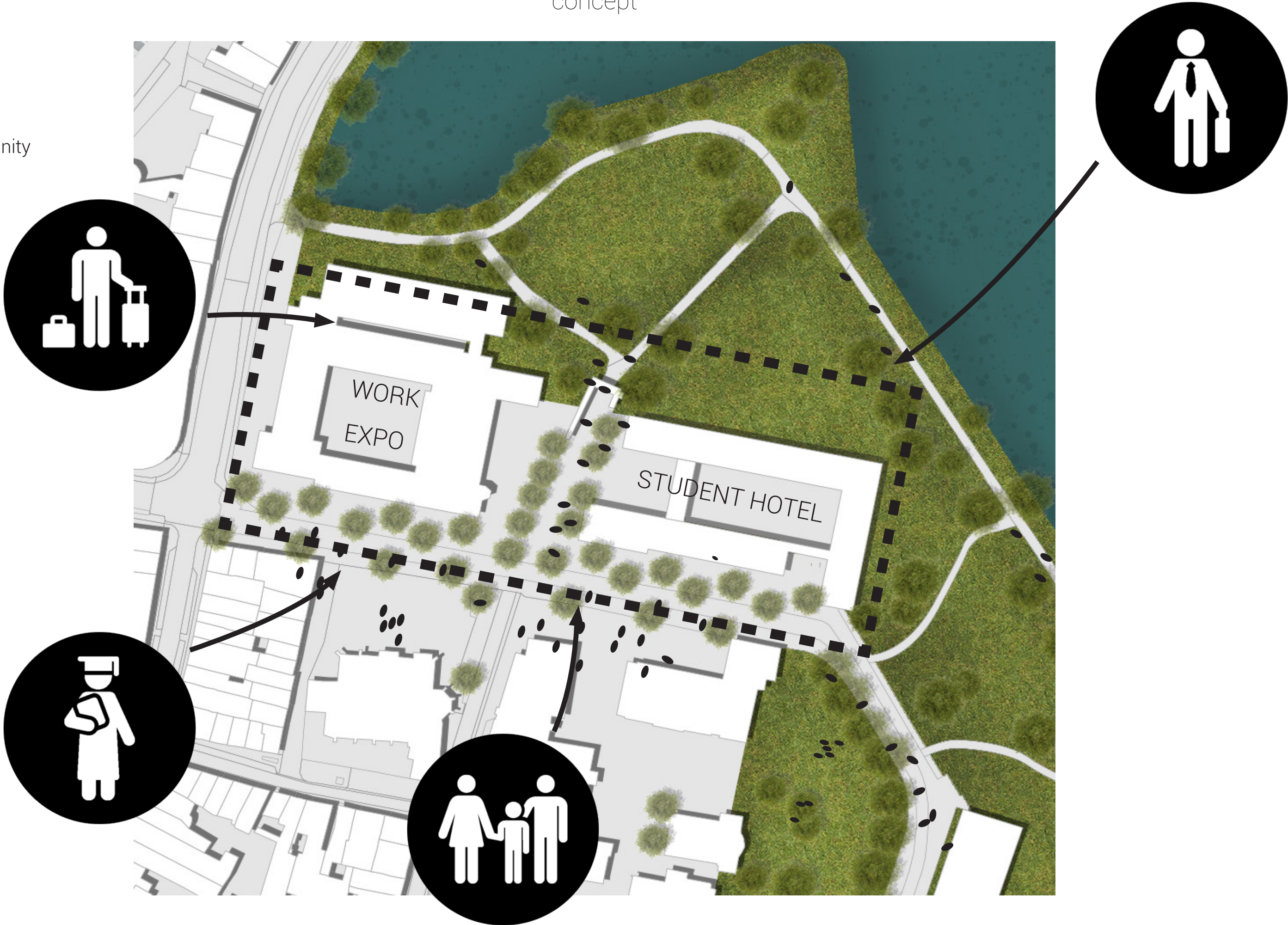
"re-activate the area with a community for students, travelers, local people and (young) professionals."



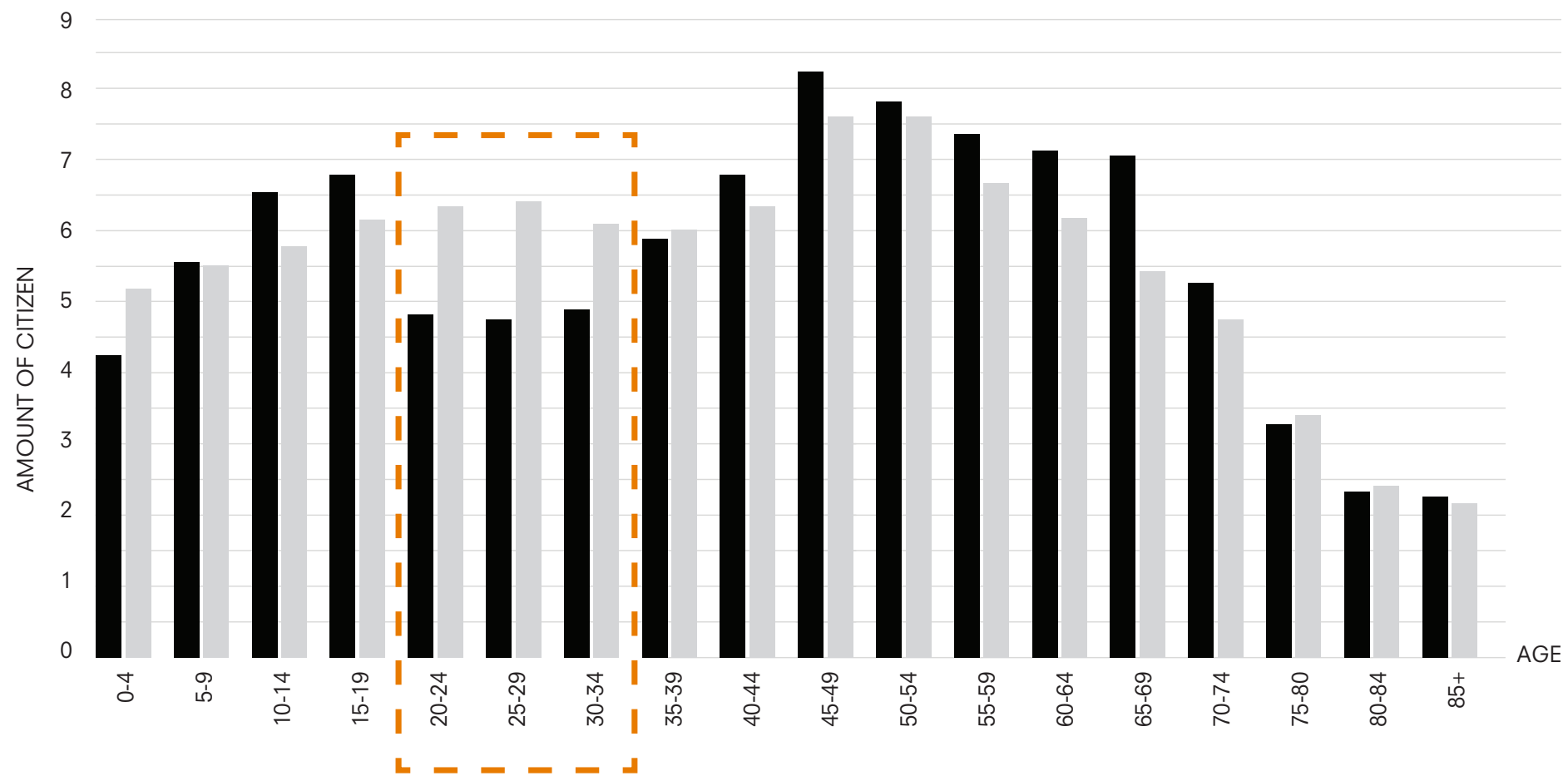
STRATEGY

concept

"re-activate the area with a community for students, travelers, local people and (young) professionals."



DEMOGRAPHY



ROC AVENTUS

creative industry

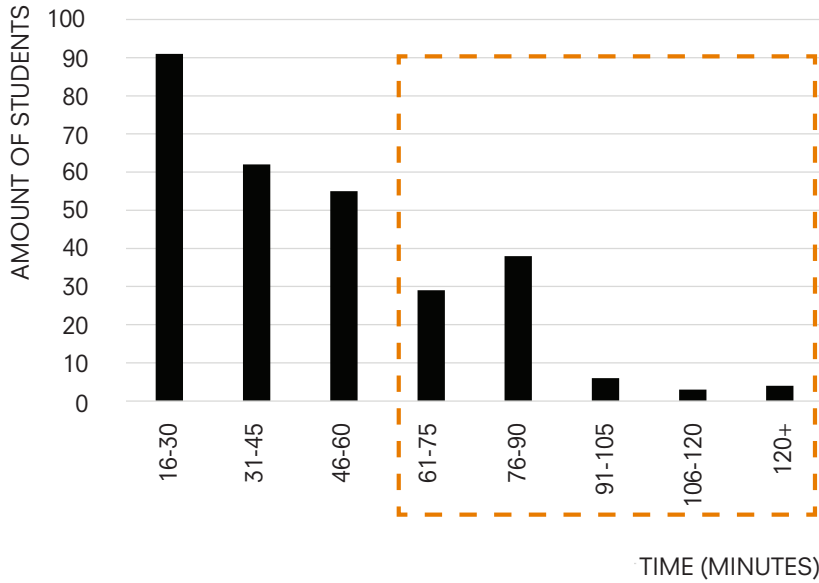
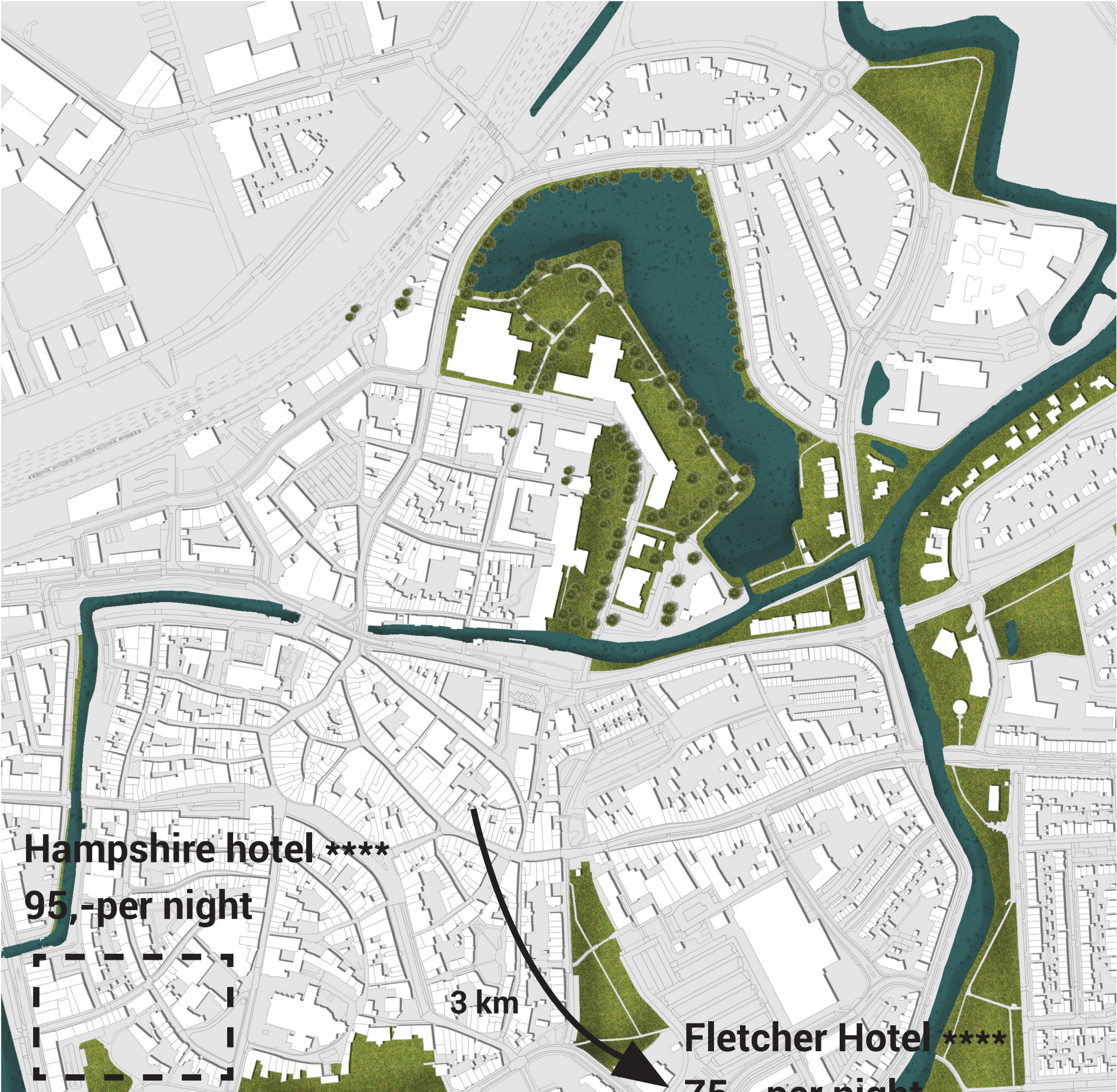


diagram
traveltime of the students (diagram made by Malon Houben and Jessica Admiraal, based on the information of the student administration of Aventus, Zutphen)

HOTELS ZUTPHEN



50 m



STRATEGY

concept



20 m



STRATEGY

concept



20 m



CITY WALL

how to deal with the remains of the city wall?



picture received from Michel Groothedde

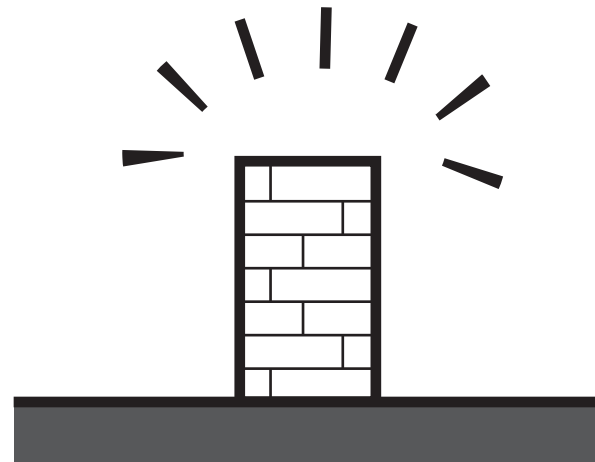
20 m



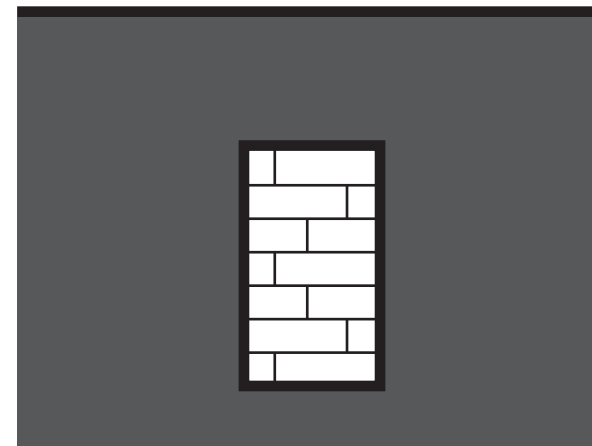
CITY WALL

how to deal with the remains of the city wall?

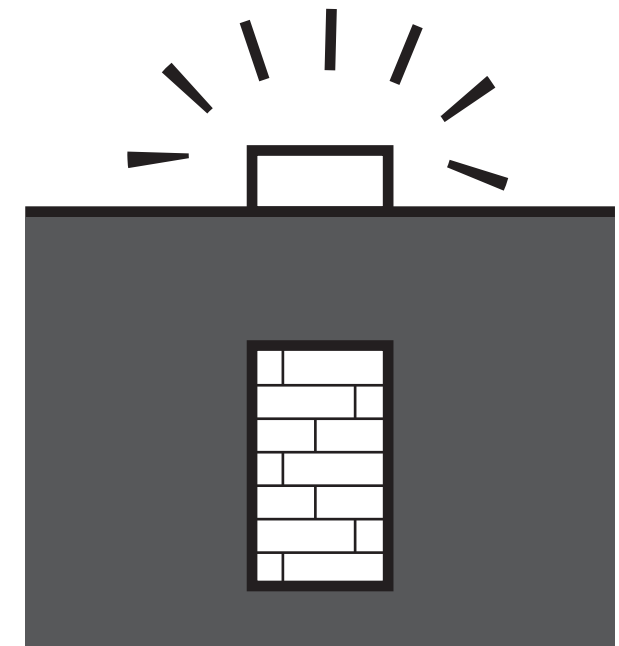
preserve



maintain

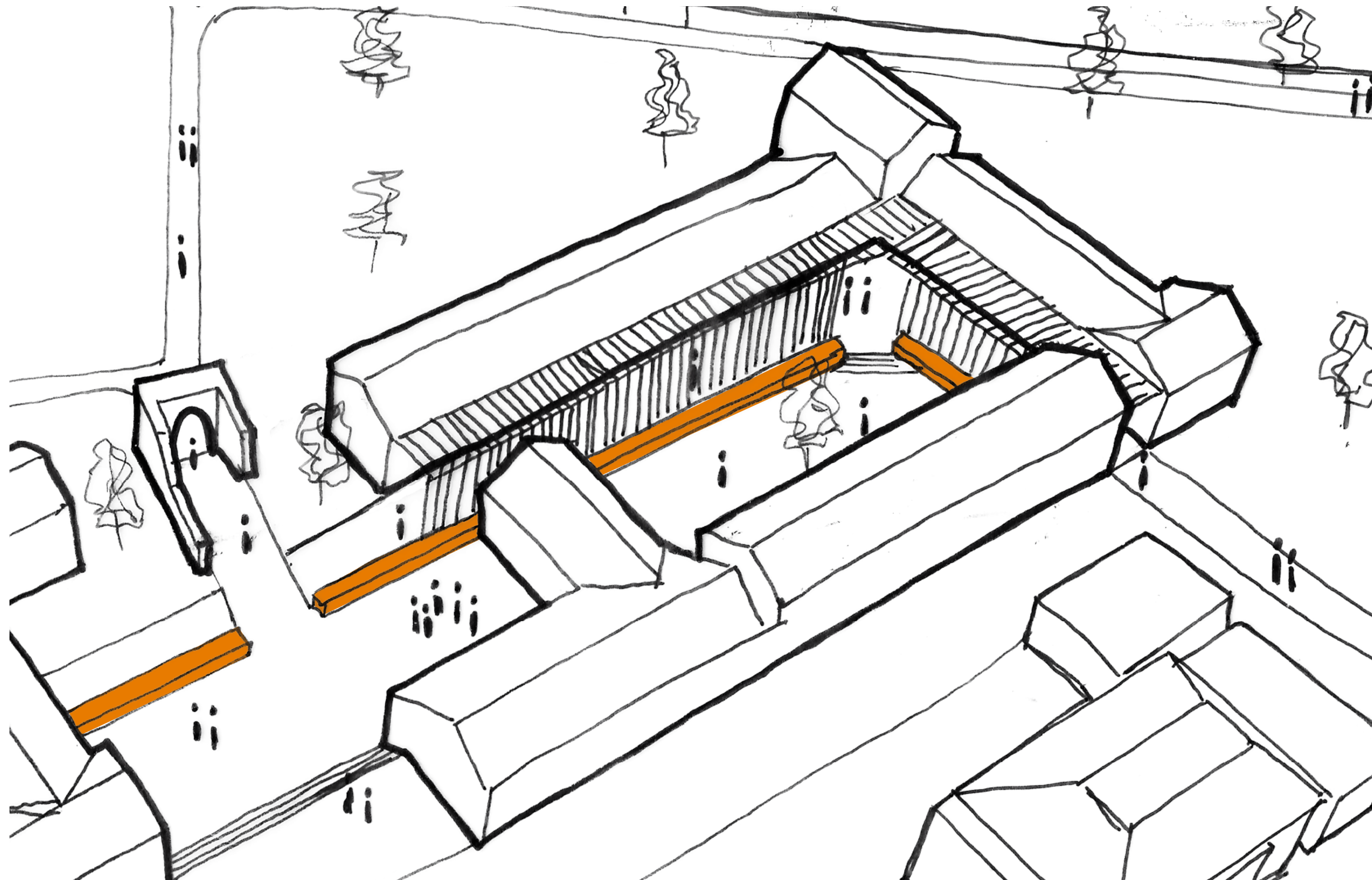


inspiration



DESIGN P2

3D overview

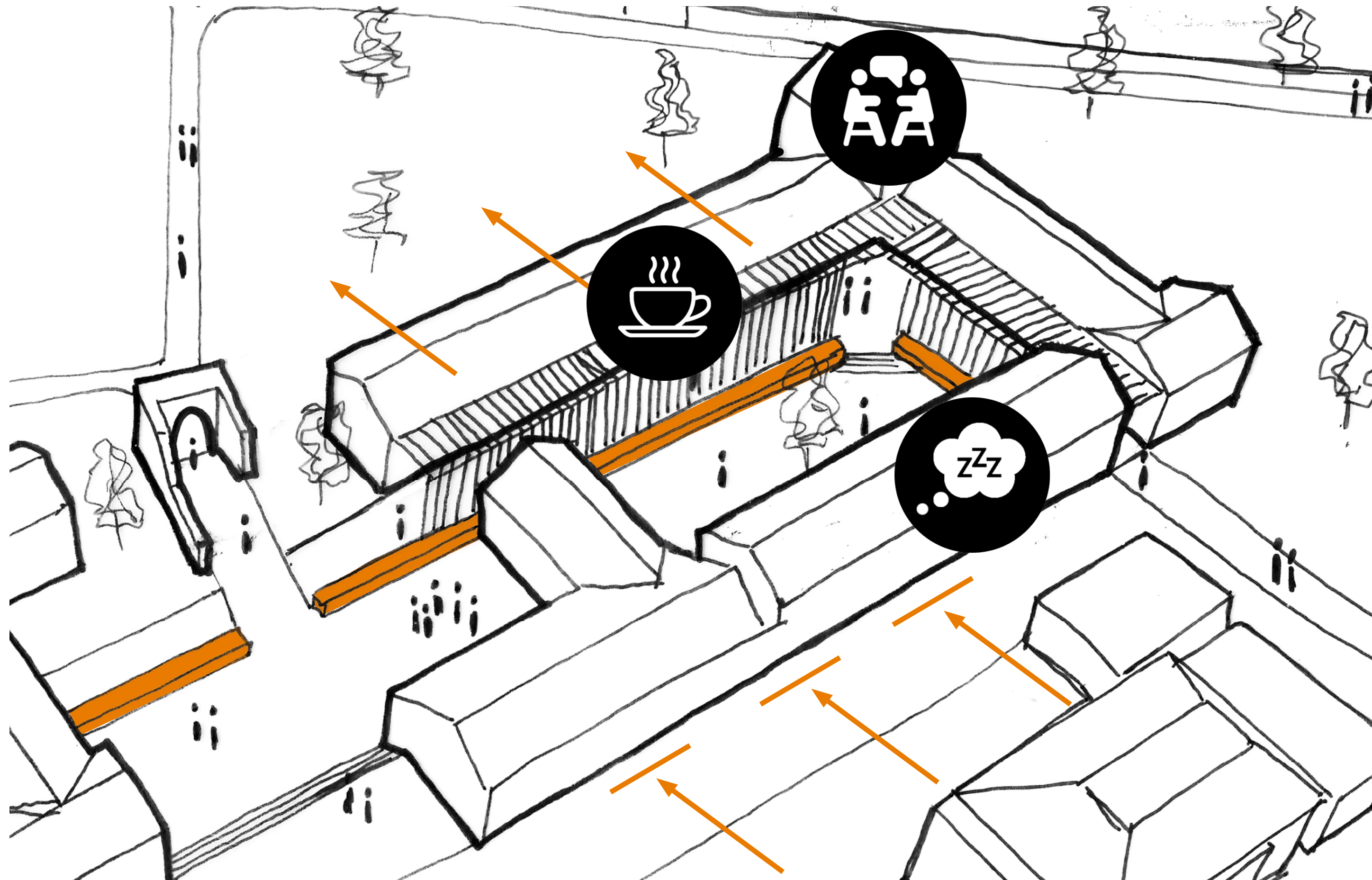


10 m



DESIGN P2

3D overview



10 m



CITY WALL

how to deal with the remains of the city wall?



picture received from Michel Groothedde

20 m



ANALYSIS

function city wall

1350 - 1595



1874 - 1900



2018



FUNCTION

placing the public functions



20 m



DESIGN

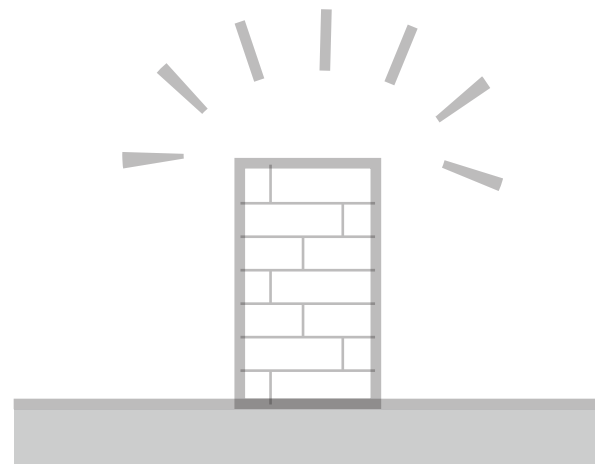
impression



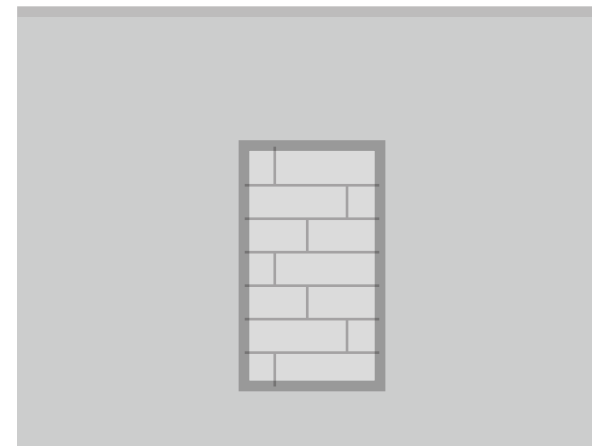
CITY WALL

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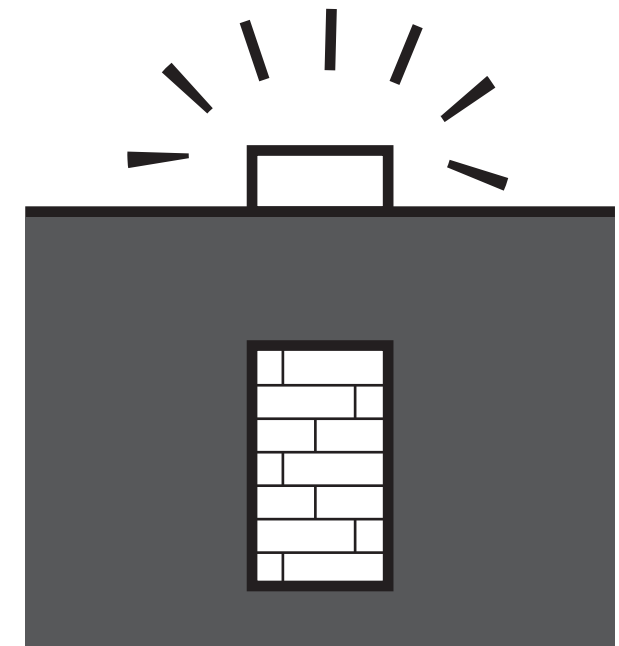
preserve



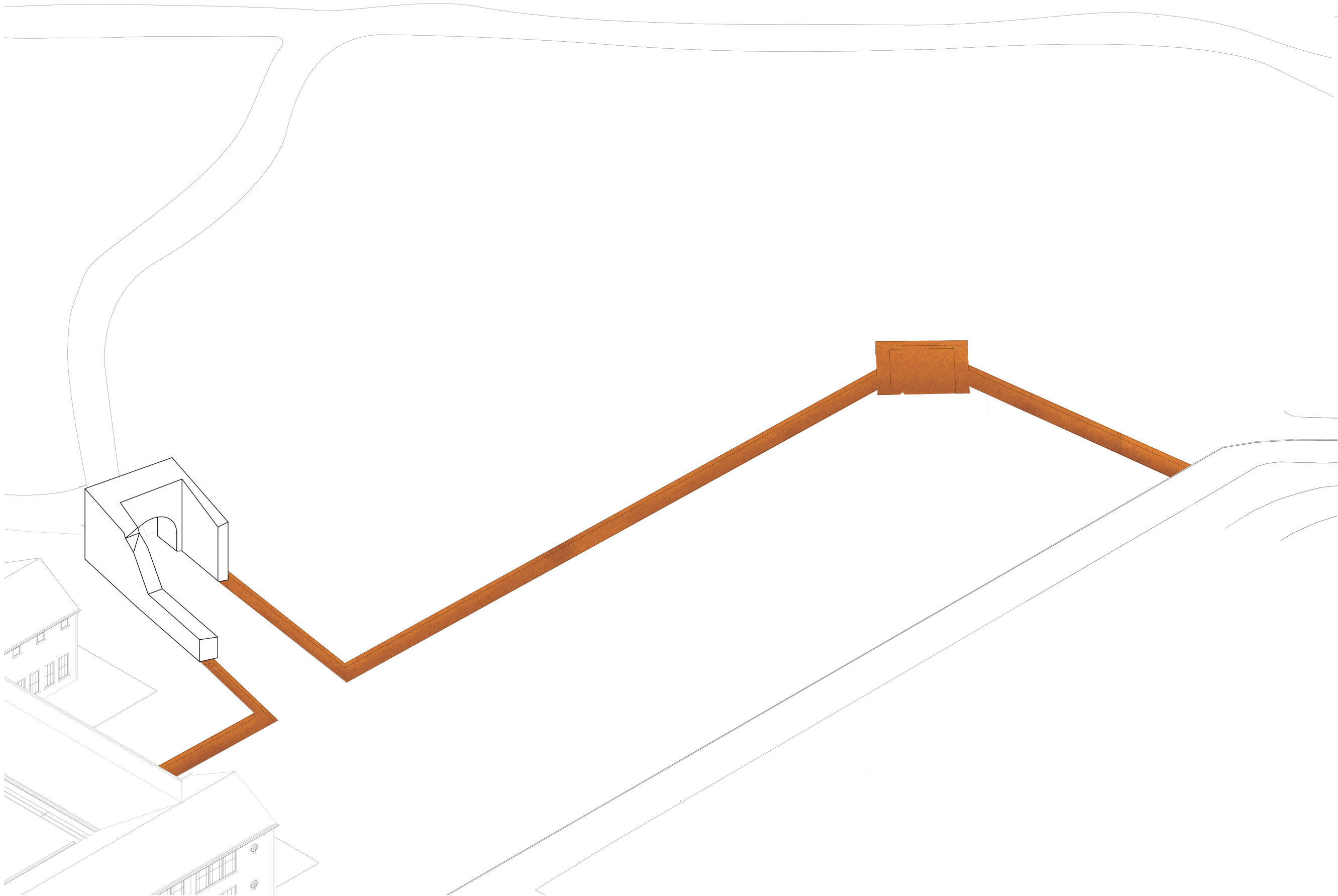
maintain



inspiration



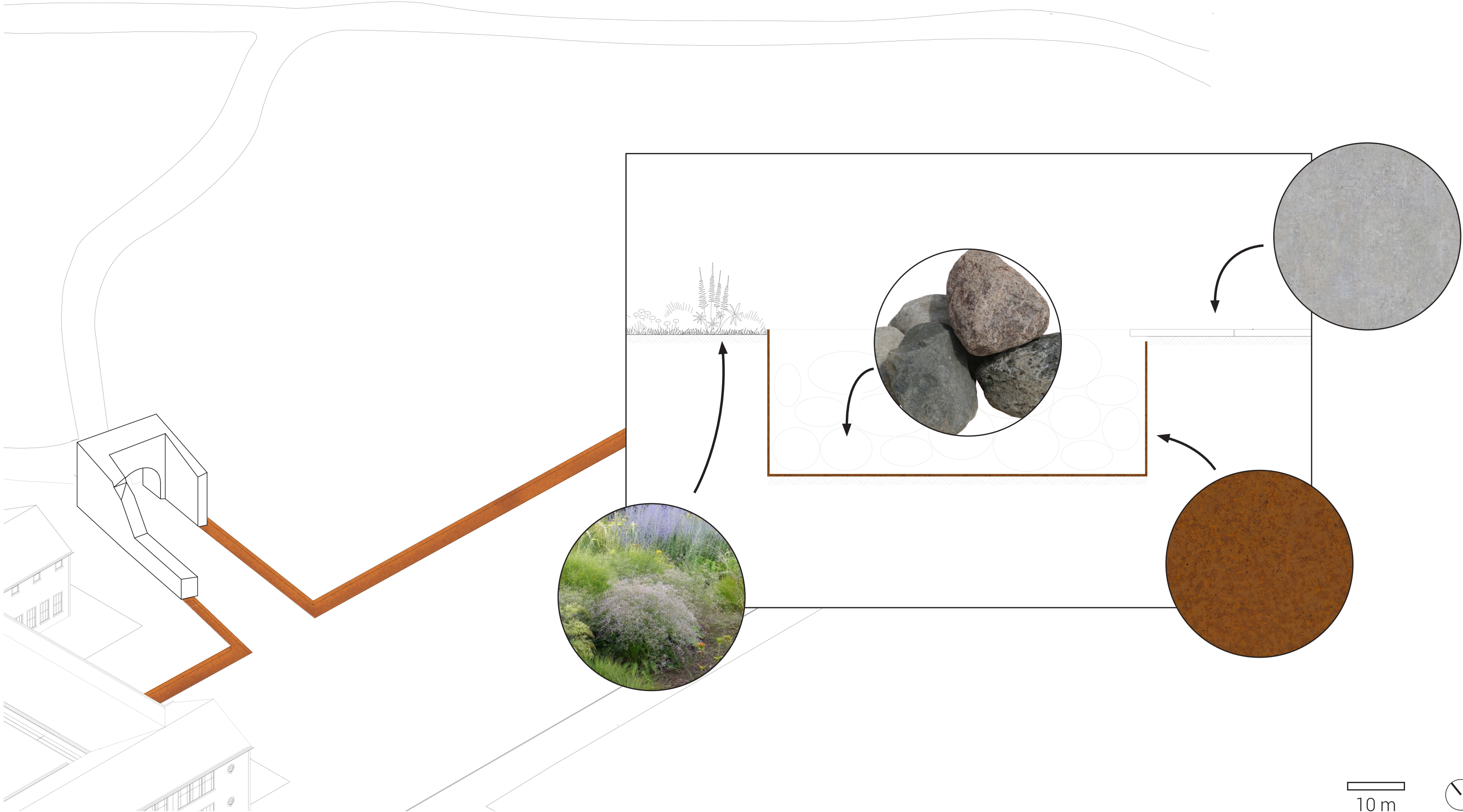
DESIGN
empty plot



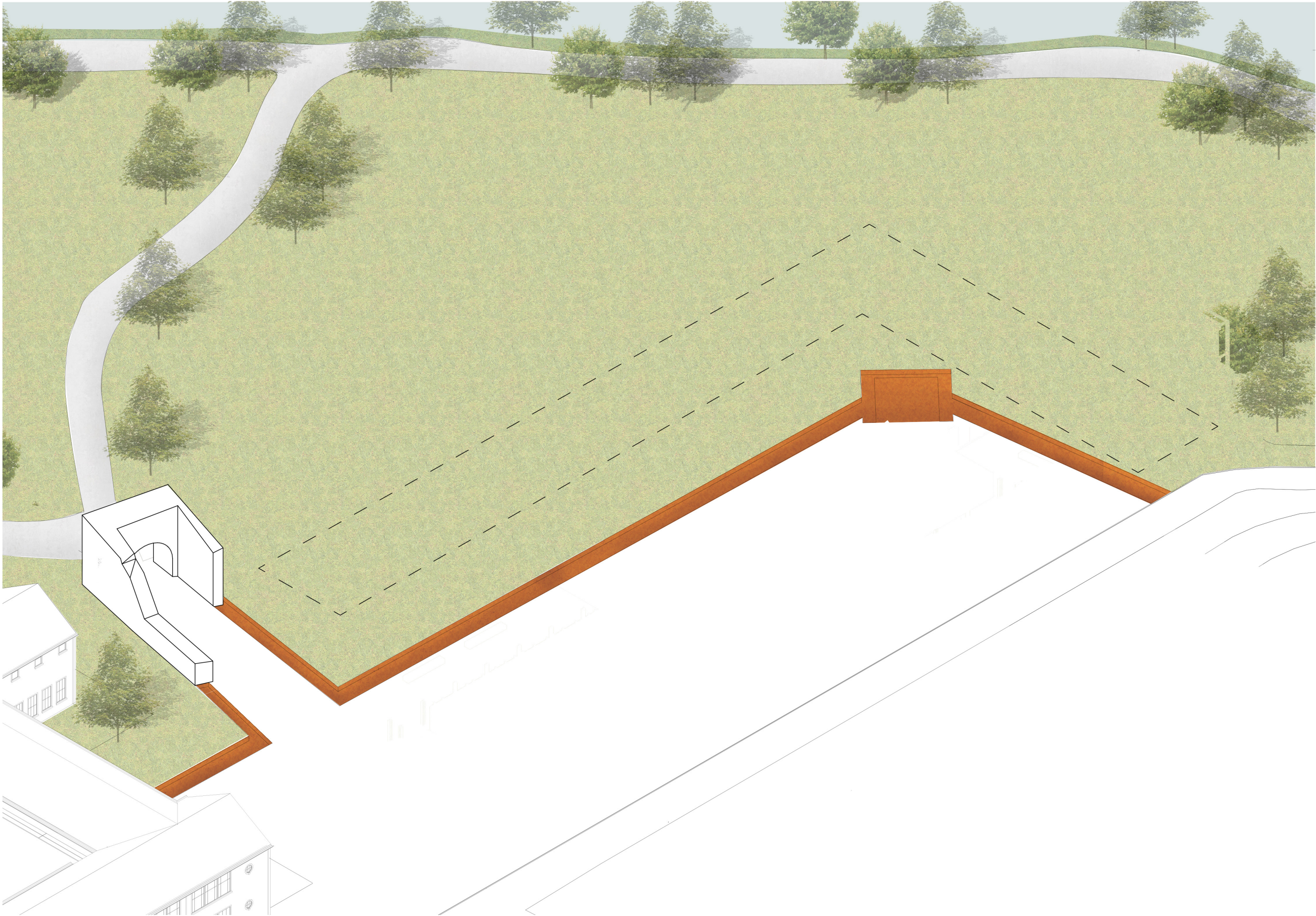
10 m



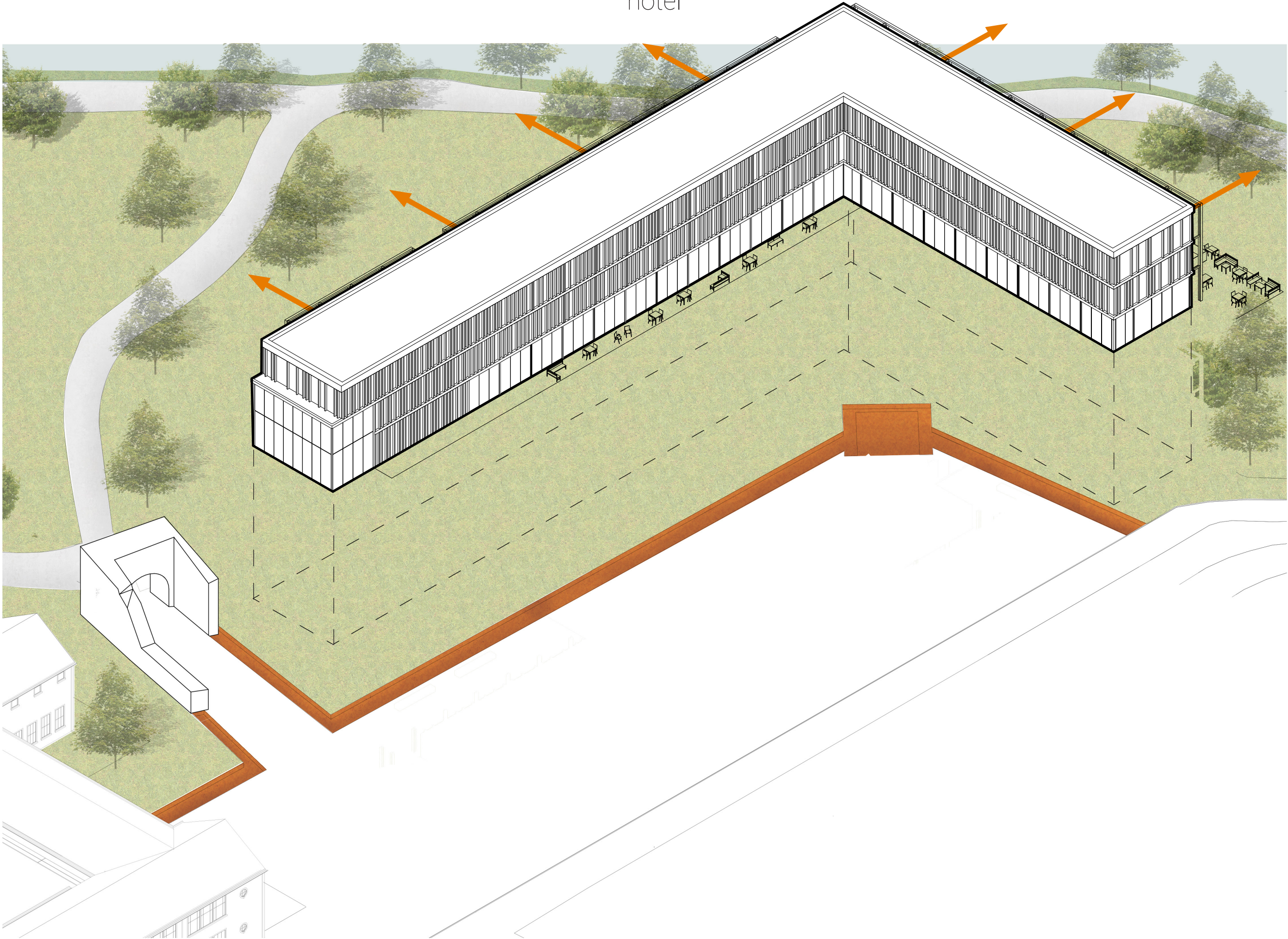
DESIGN
empty plot



DESIGN
park side



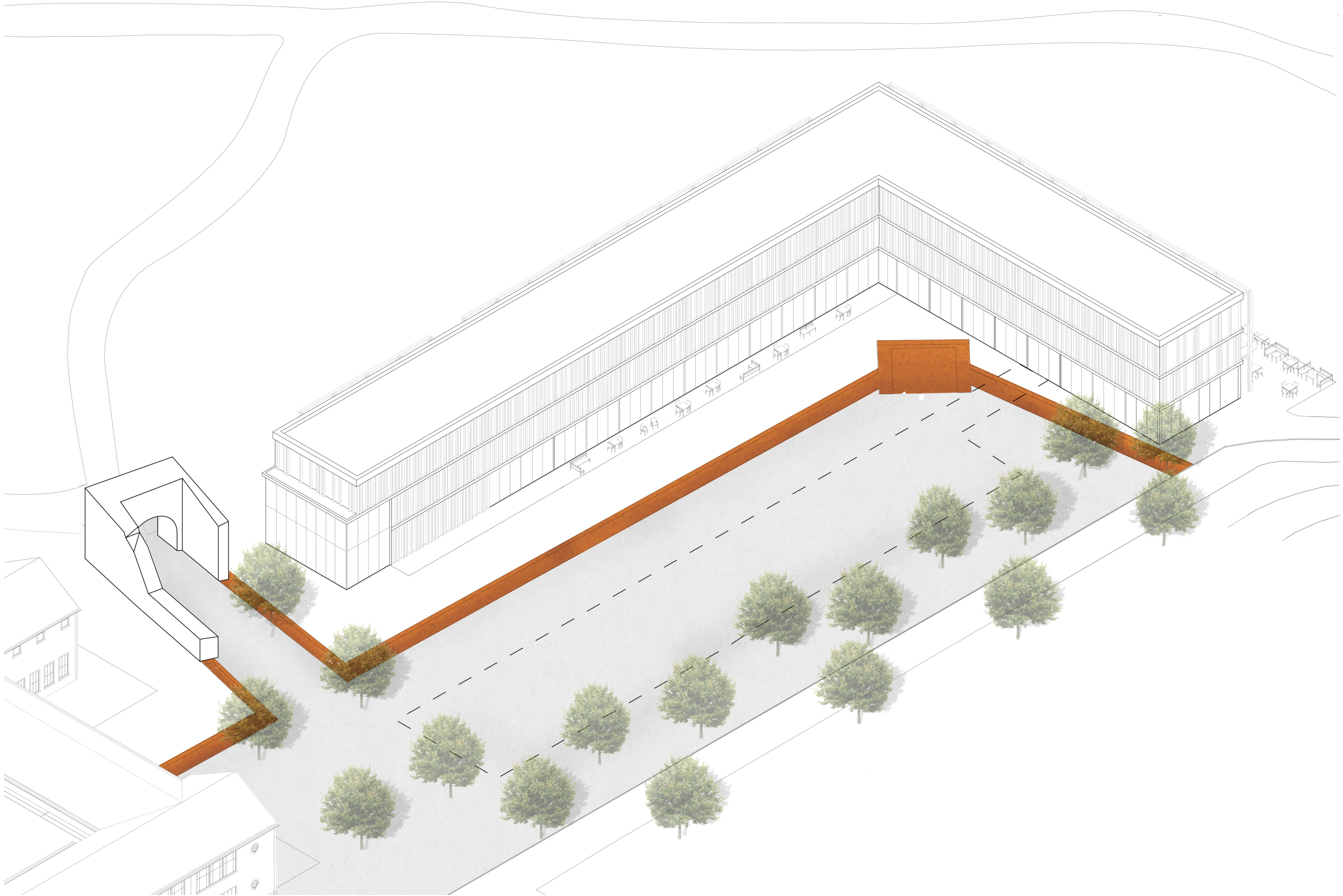
DESIGN
hotel



10 m



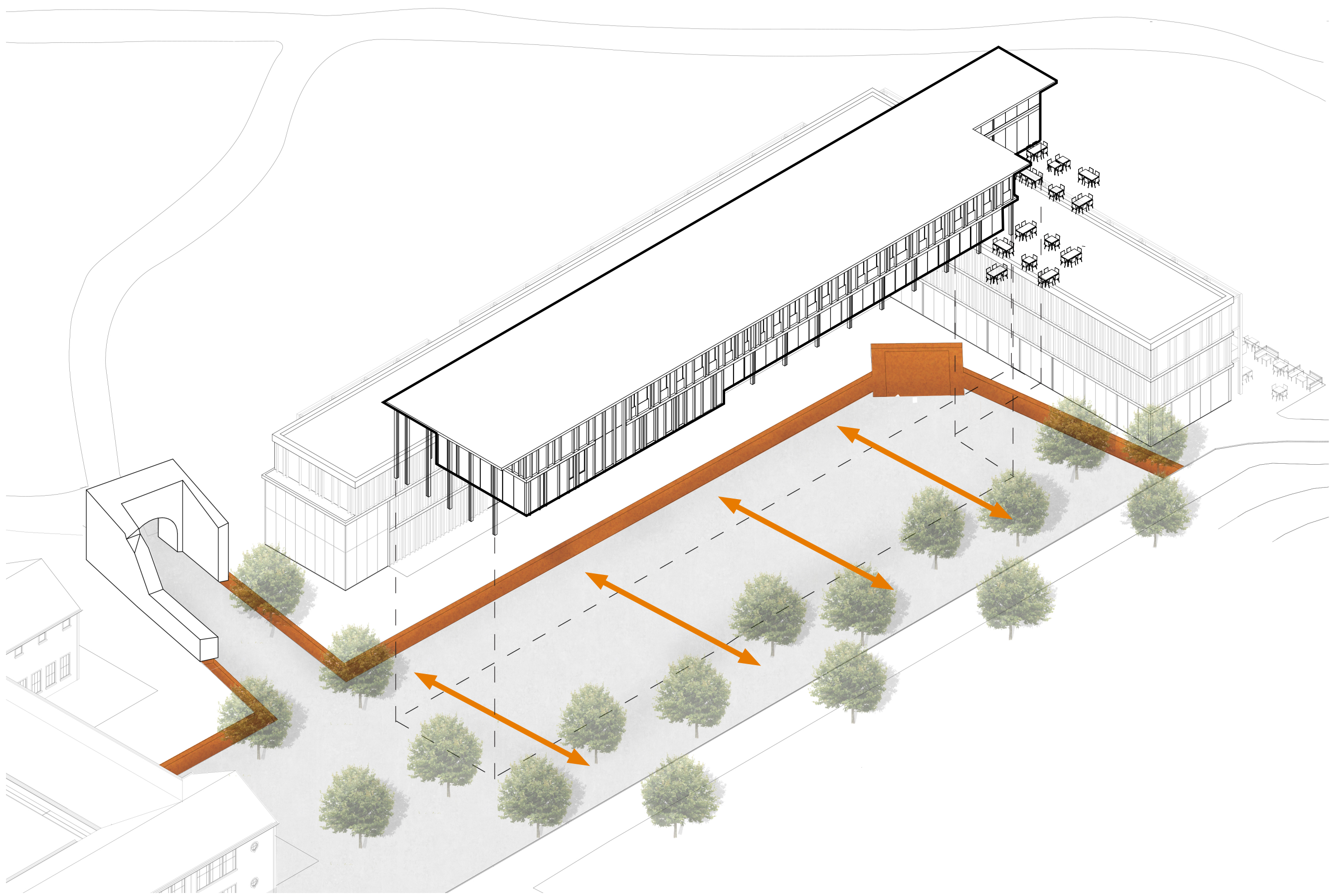
DESIGN
city side



10 m



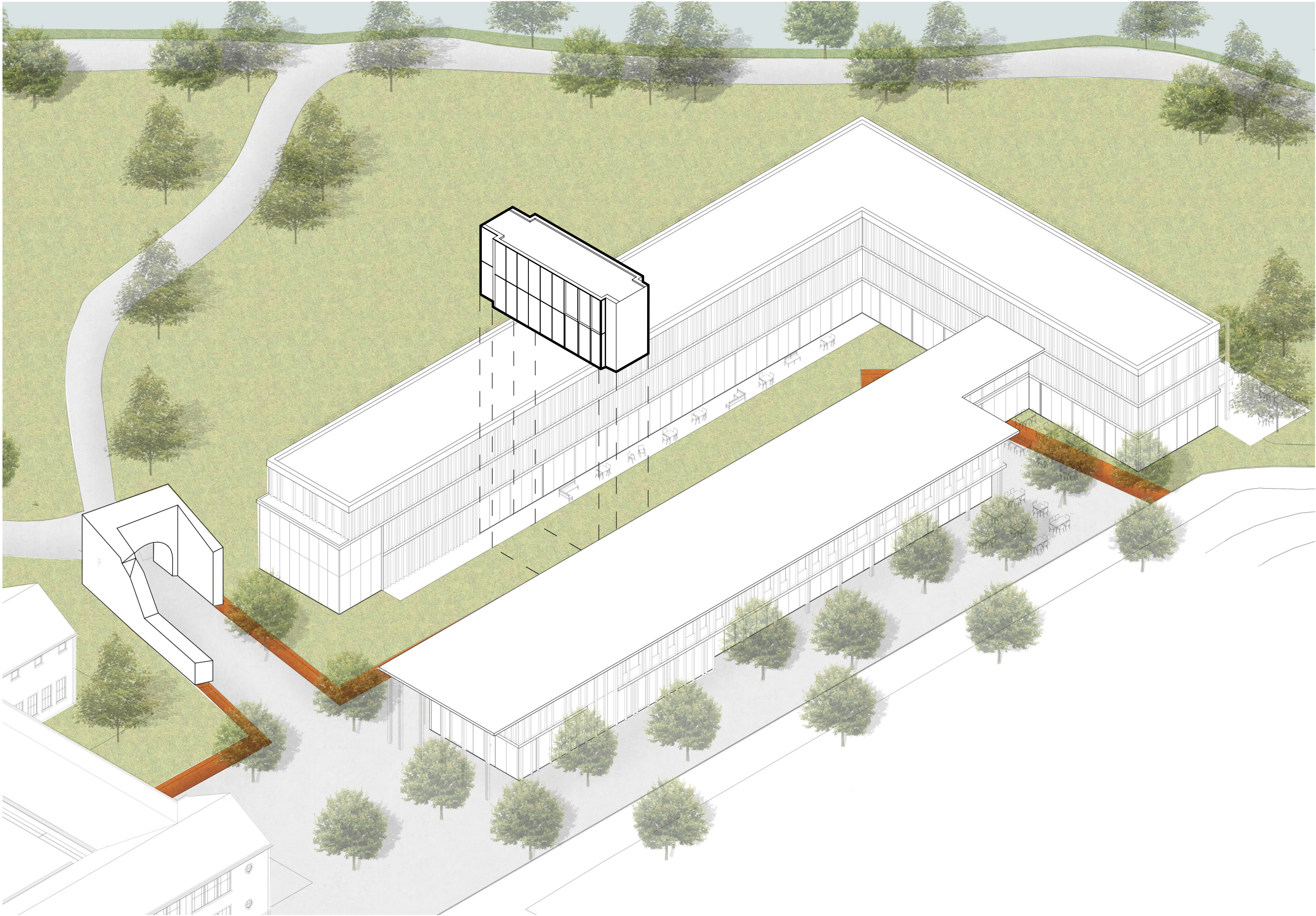
DESIGN
pavilion



10 m



DESIGN
corridor

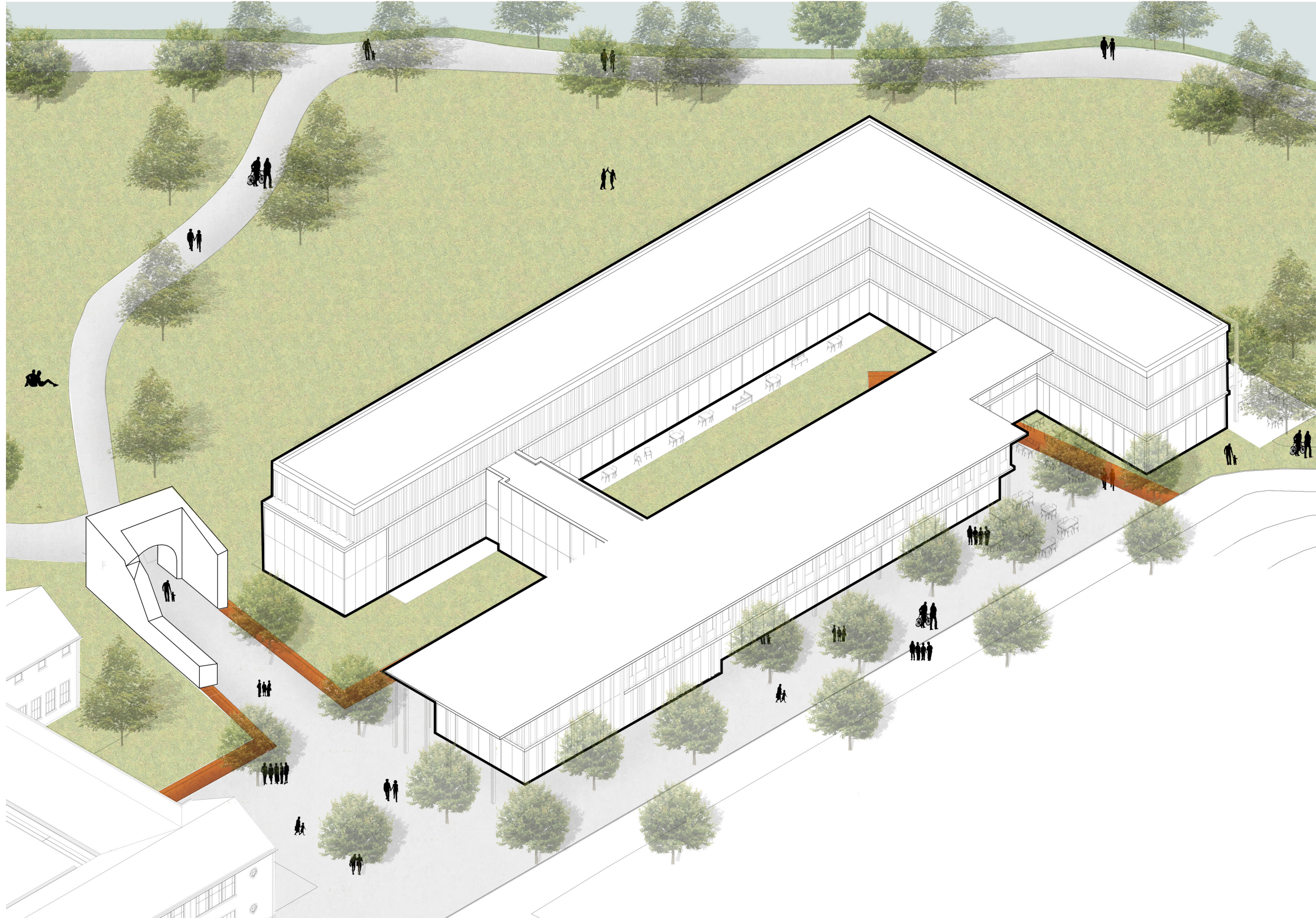


10 m



DESIGN

overview building



10 m



DESIGN

pedestrian area



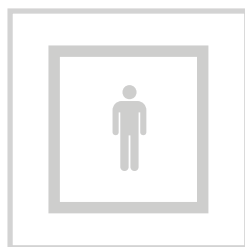
re-activate the area



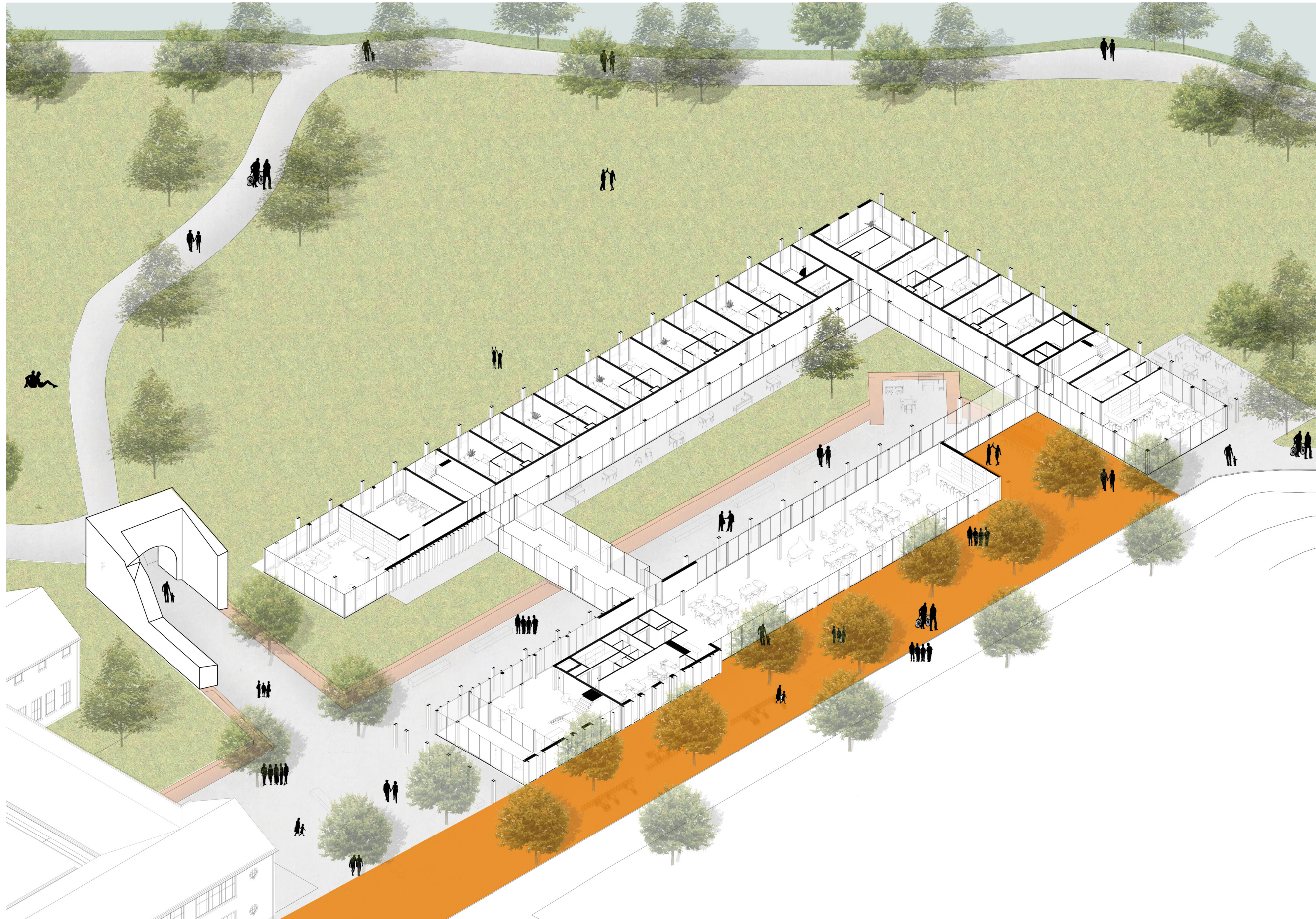
connect the park with the building and Nieuwstad



create spaces to stay



create intimacy



10 m



DESIGN

courtyards



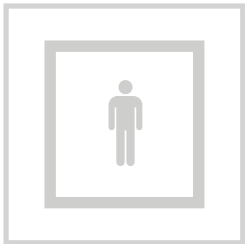
re-activate the area



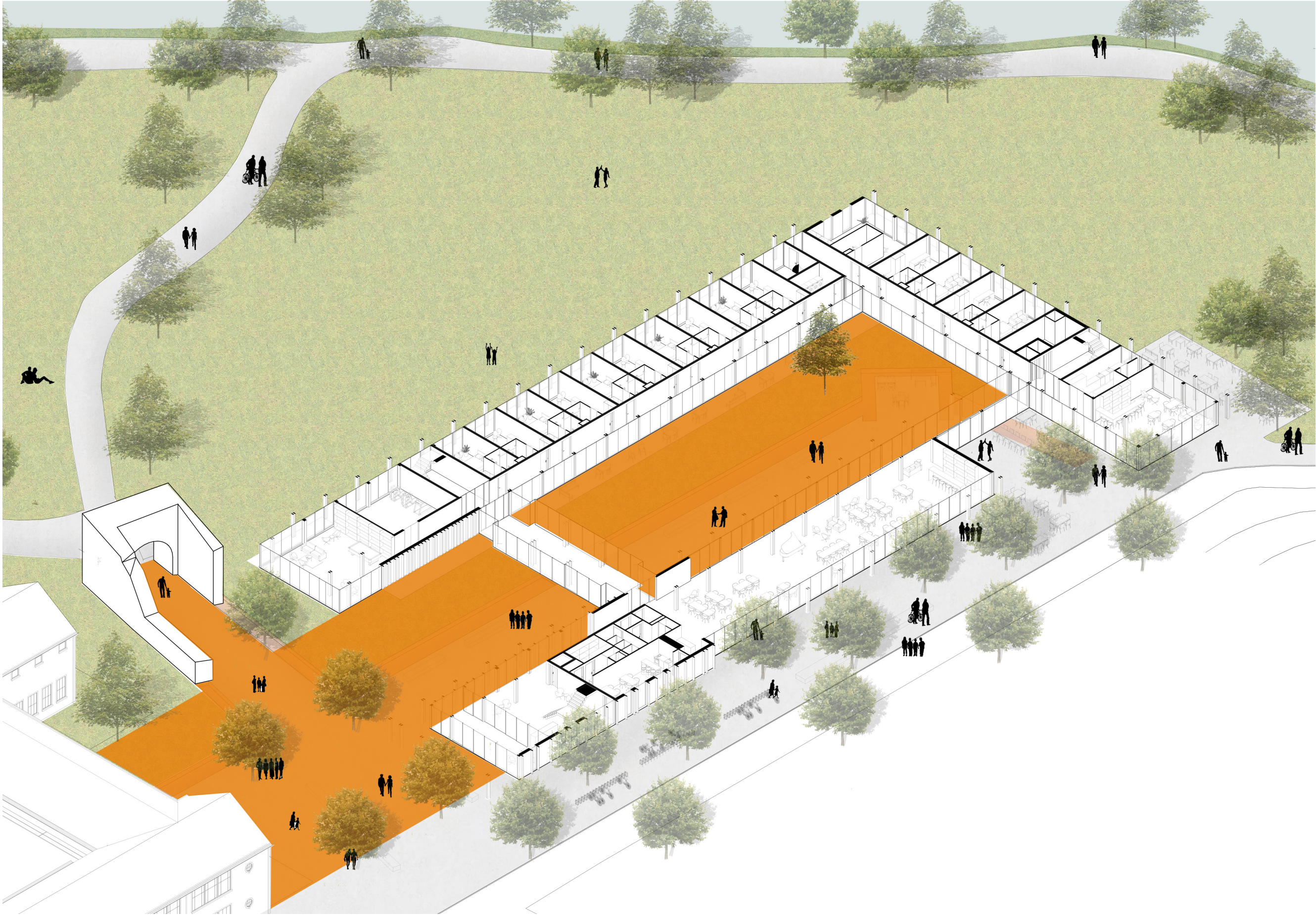
connect the park with the building and Nieuwstad



create spaces to stay



create intimacy



10 m



DESIGN

courtyard hotel



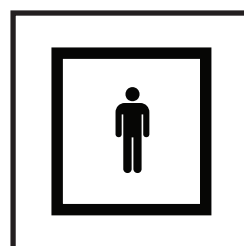
re-activate the
area



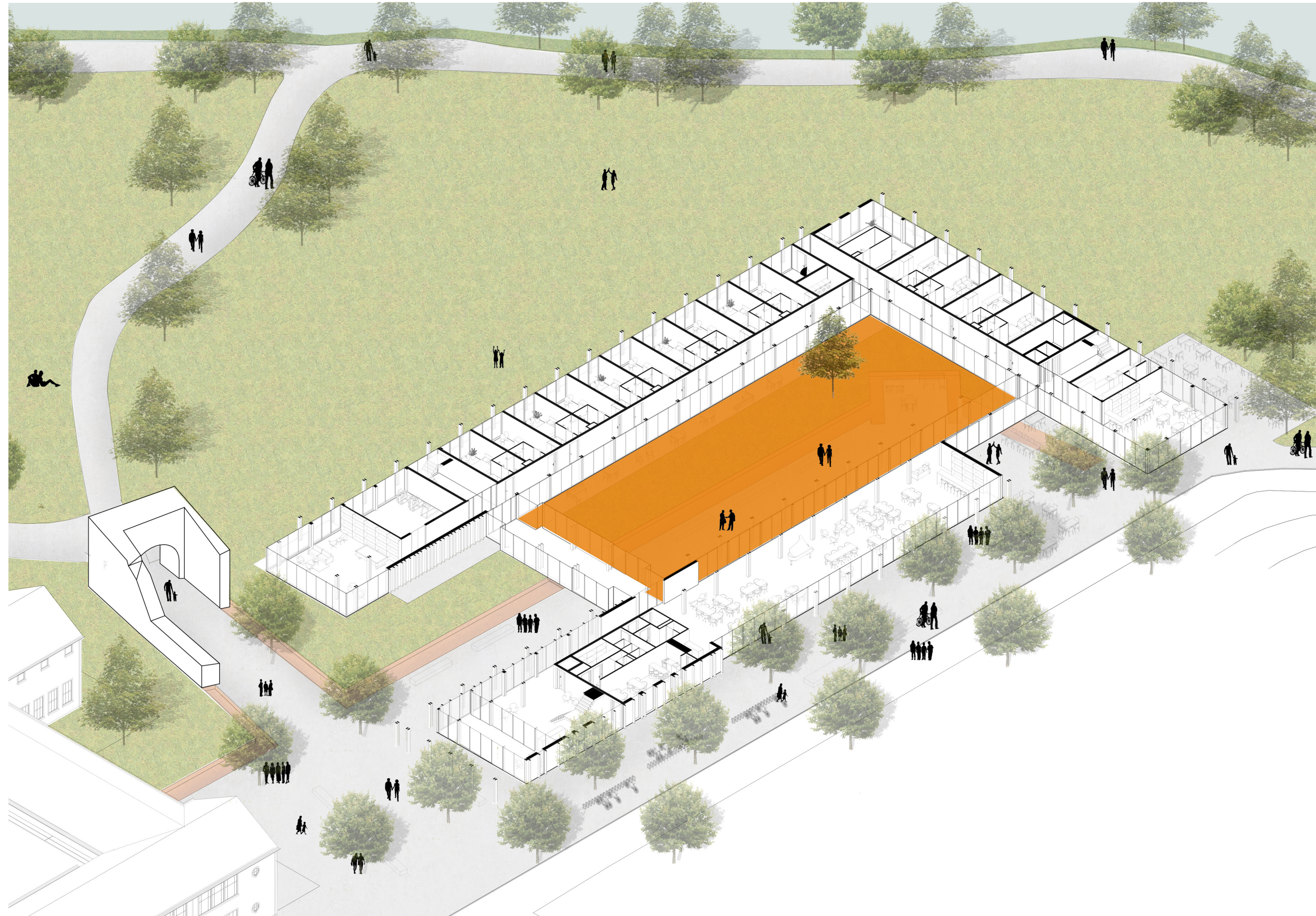
connect the park
with the building
and Nieuwstad



create spaces to
stay



create intimacy



10 m



DESIGN

entrance square



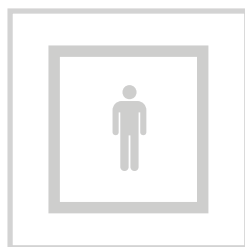
re-activate the
area



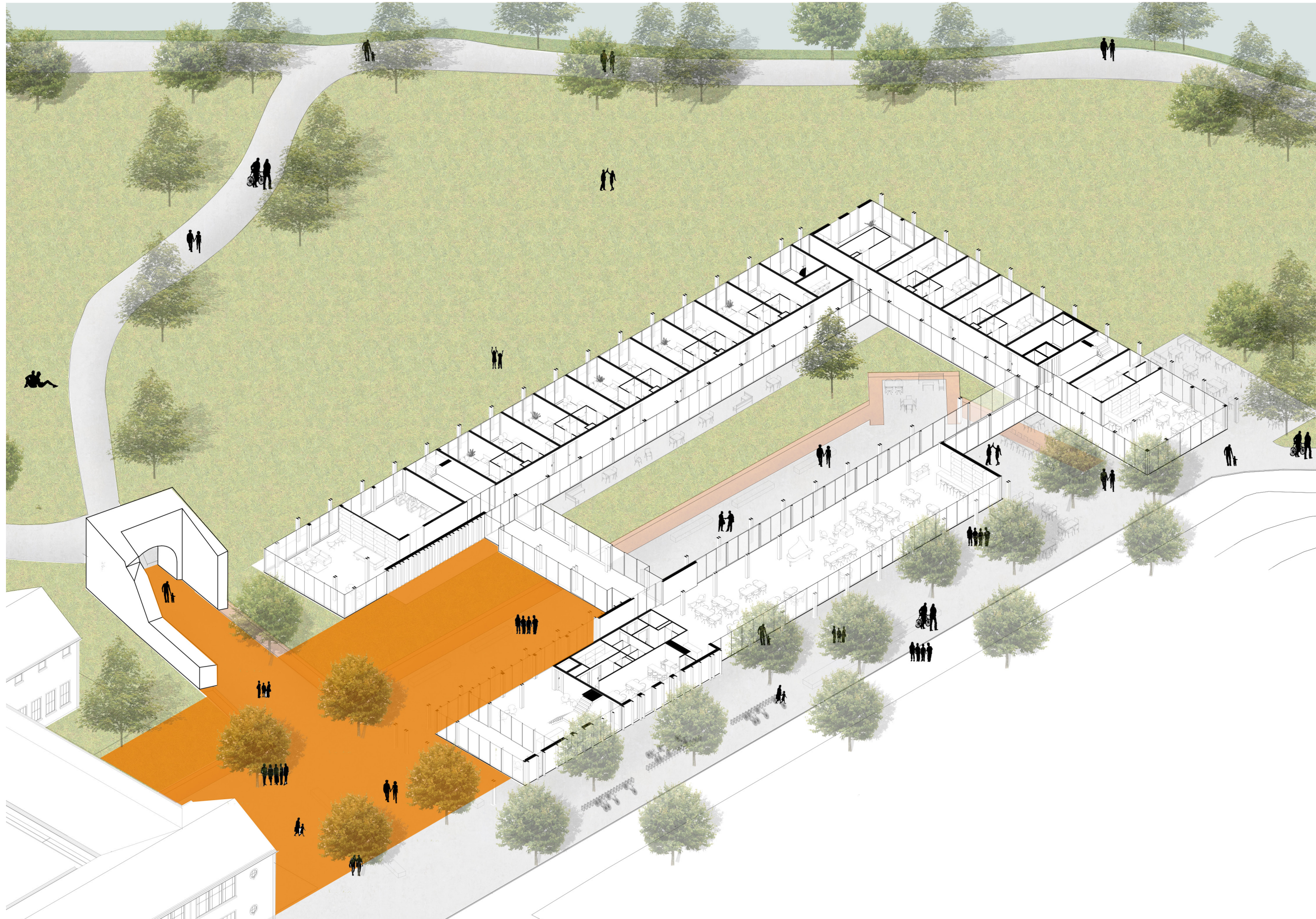
connect the park
with the building
and Nieuwstad



create spaces to
stay



create intimacy

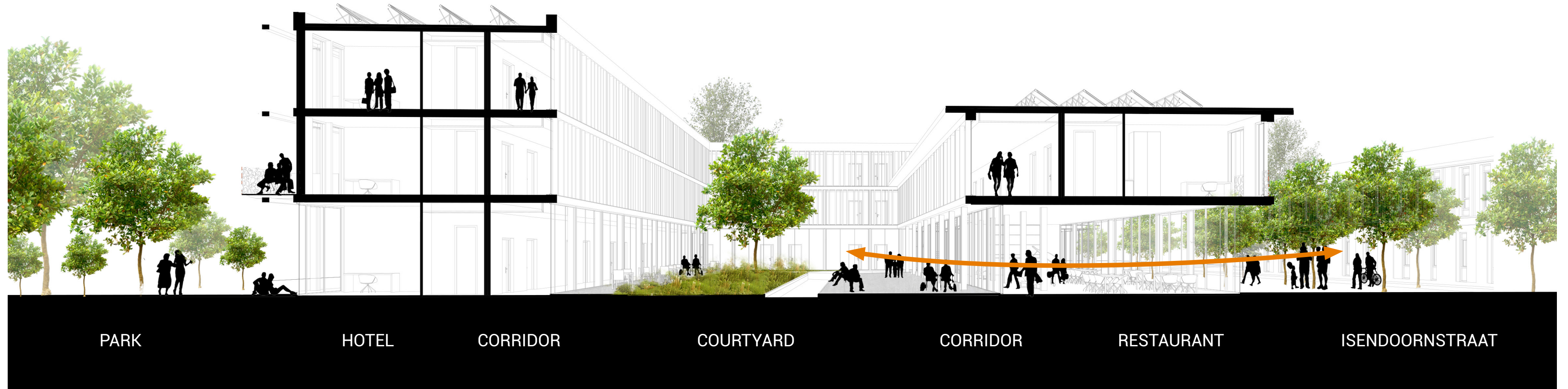


10 m



SECTION

pavilion

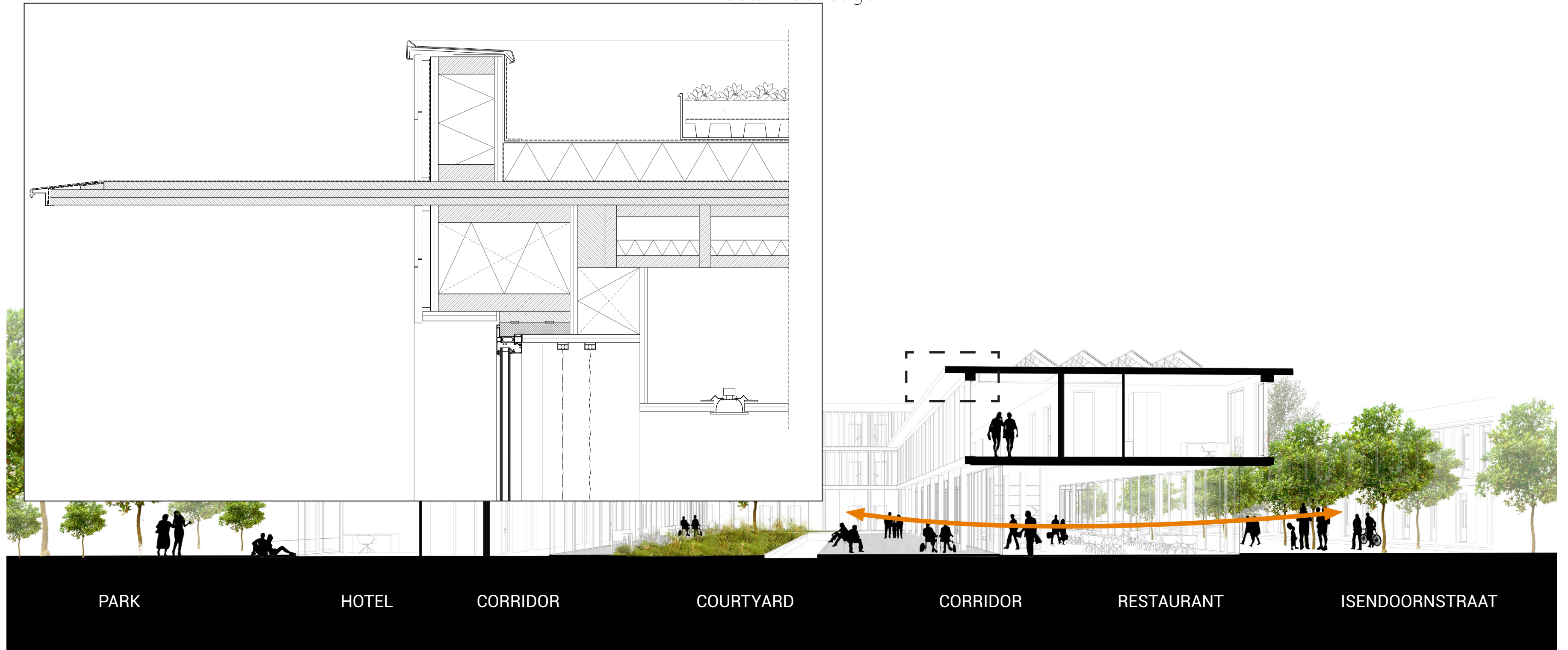


2 m



SECTION

detail roof edge

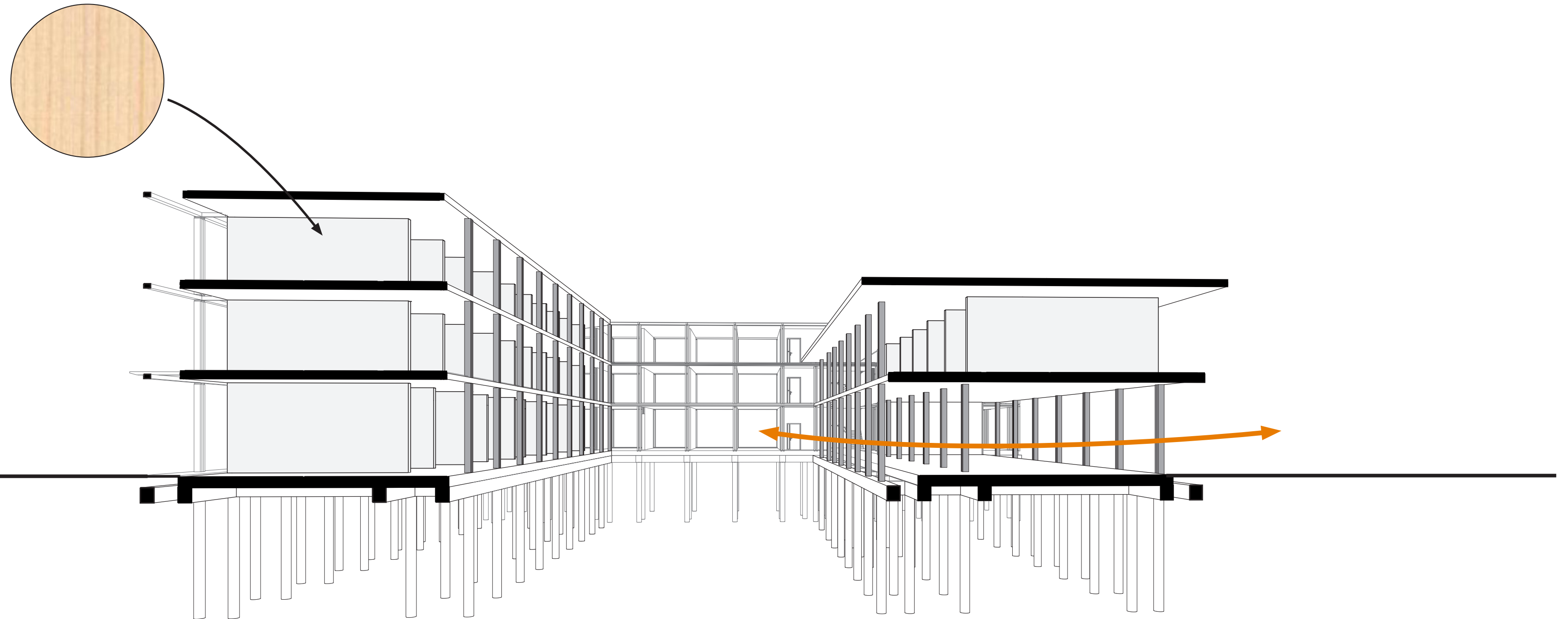


2 m



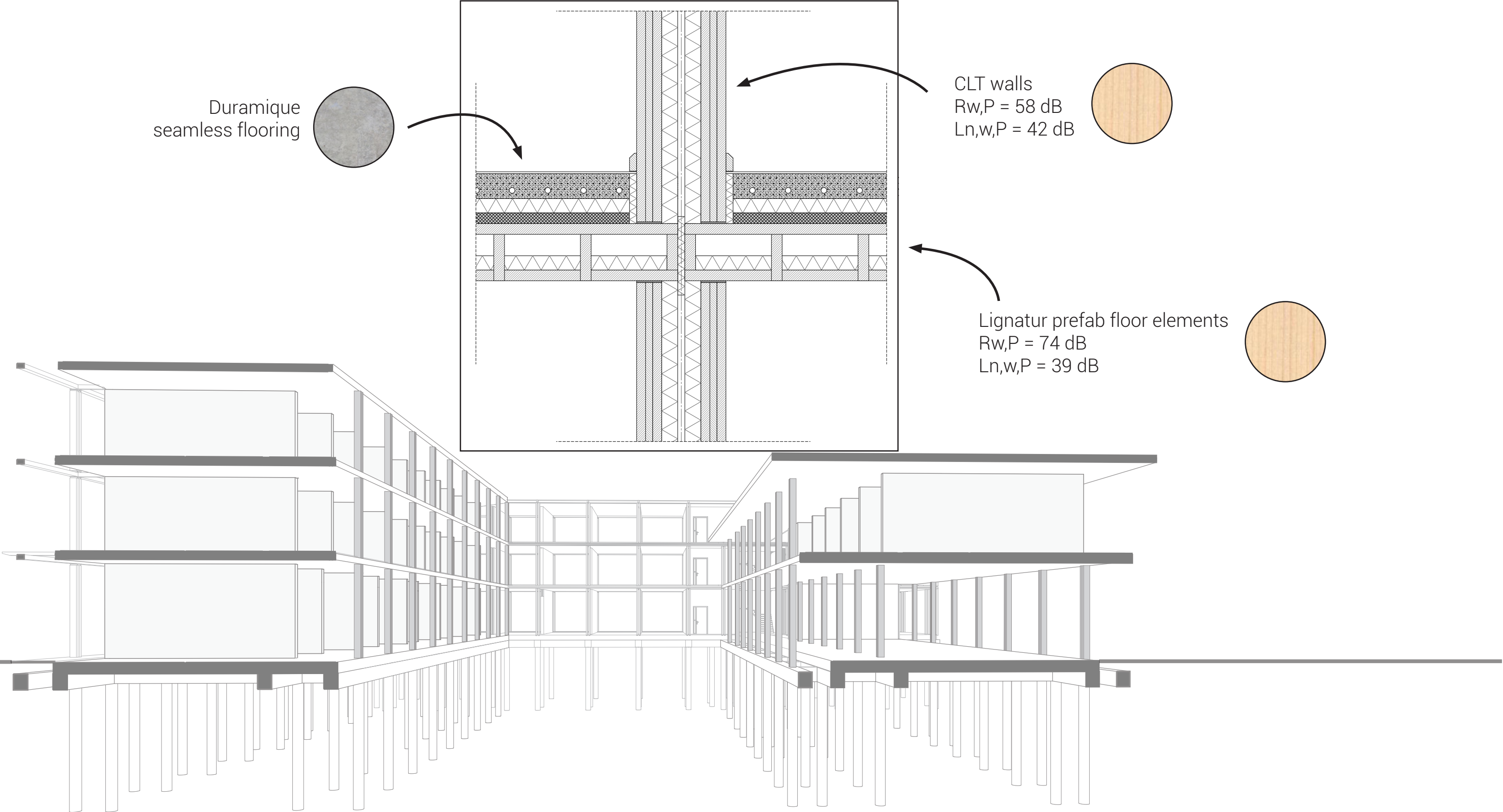
SECTION

construction



CONSTRUCTION

detail

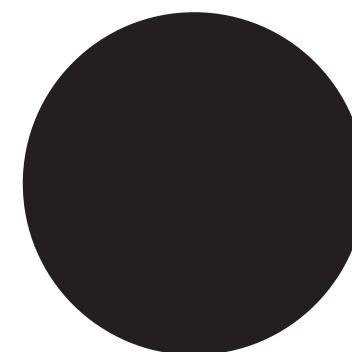
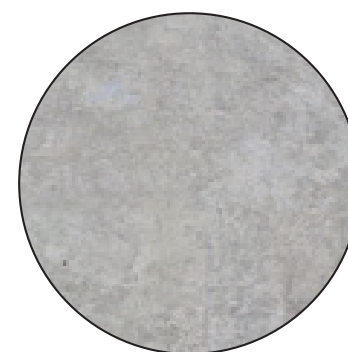
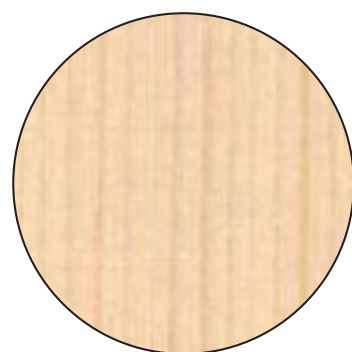


2 m



SECTION

pavilion

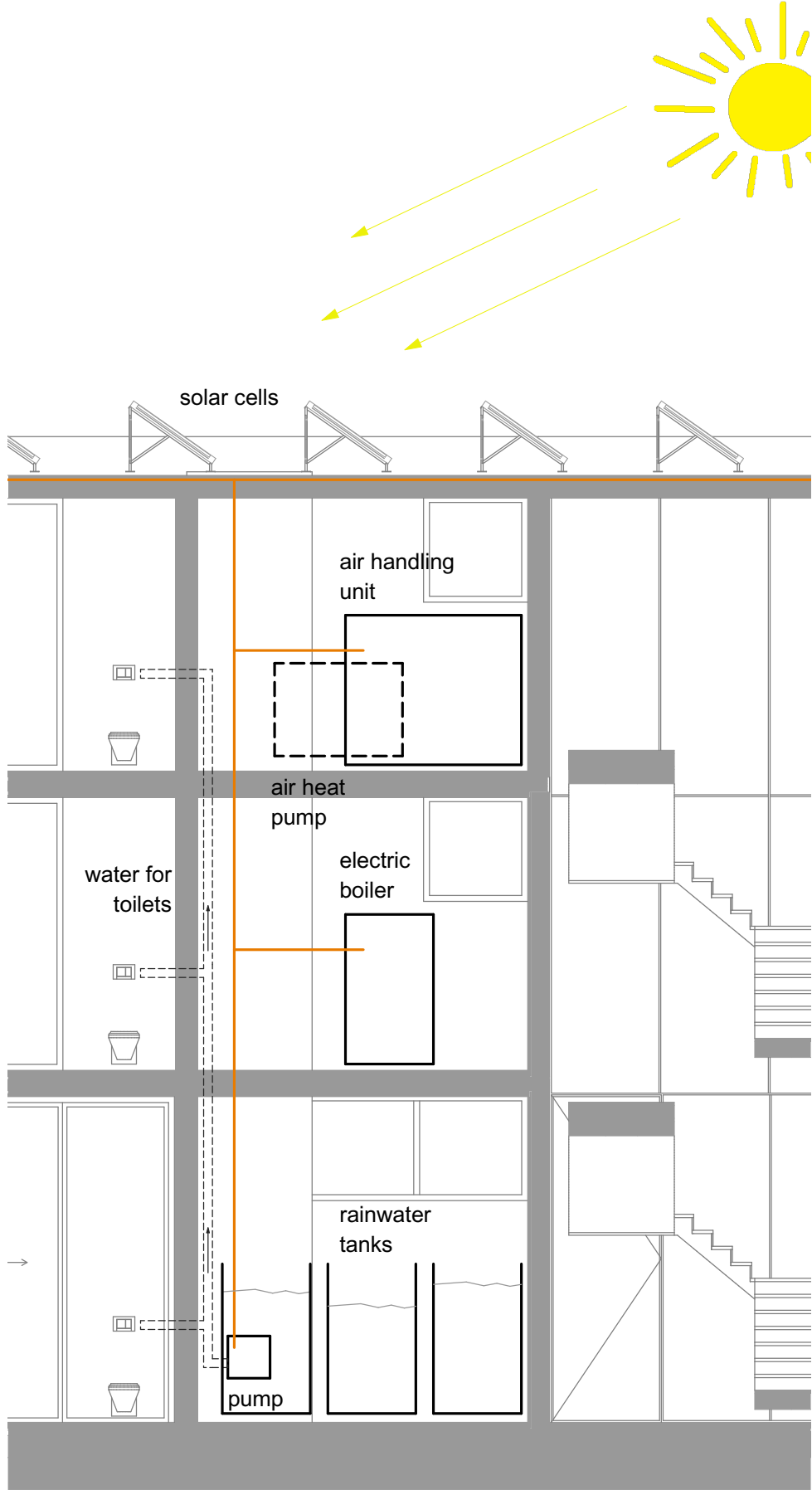
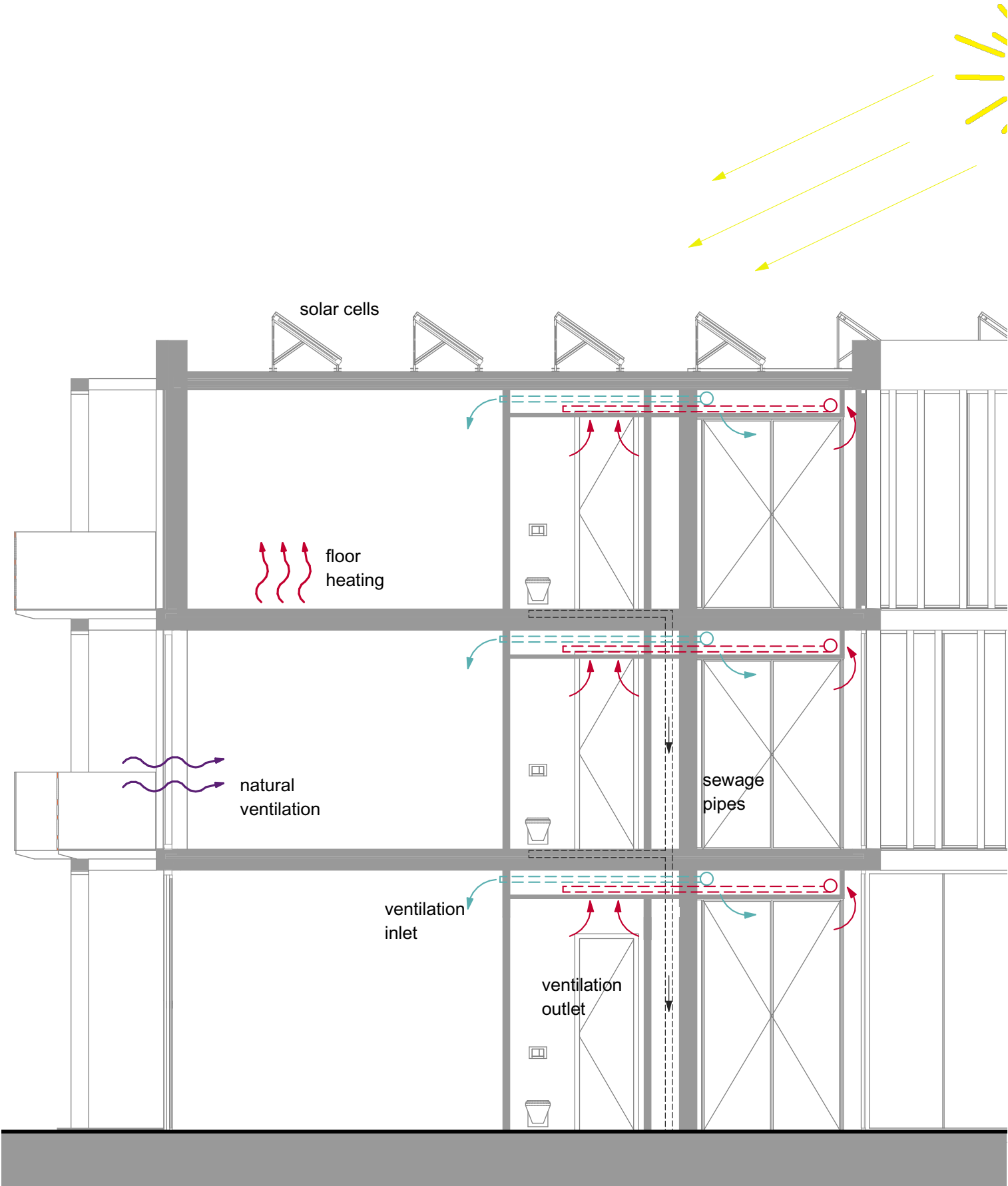


2 m



CLIMATE

section



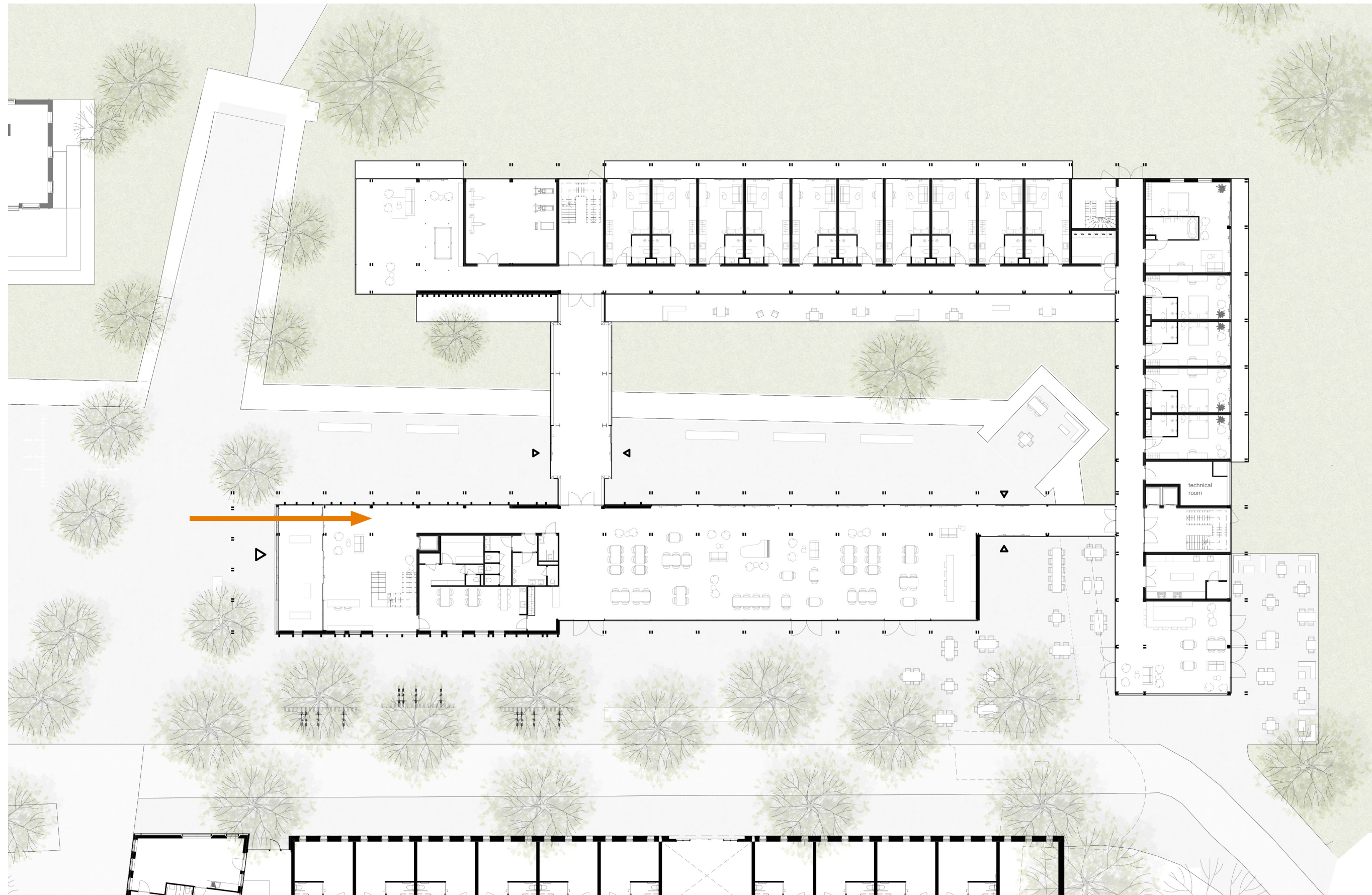
IMPRESSION

entrance square



ROUTING

ground floor



5 m

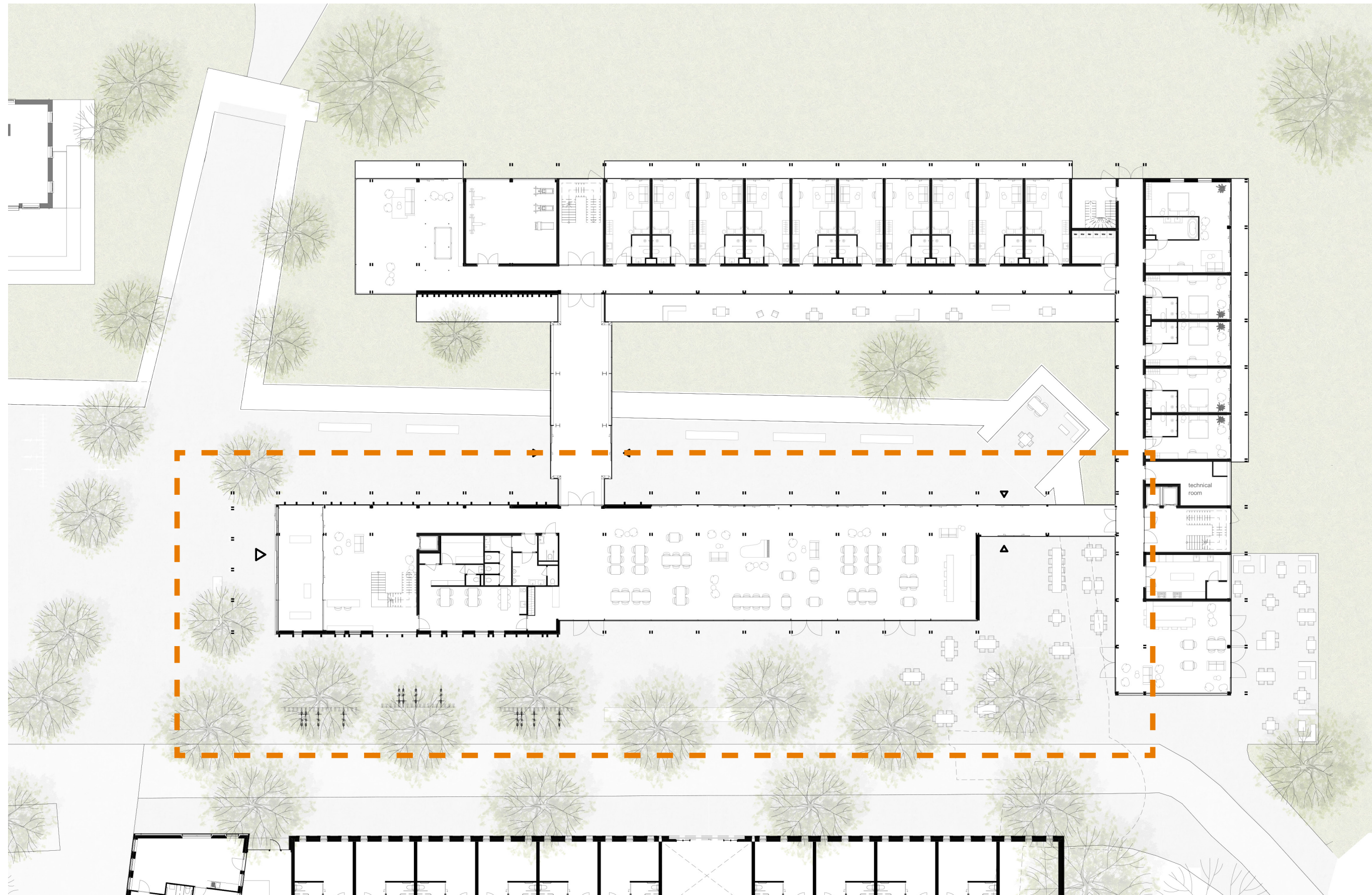


IMPRESSION

reception area



PAVILION

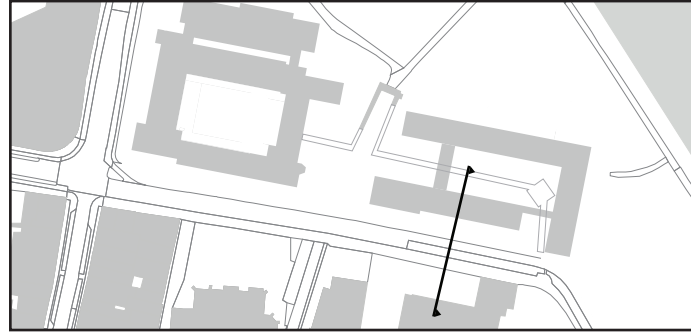


5 m

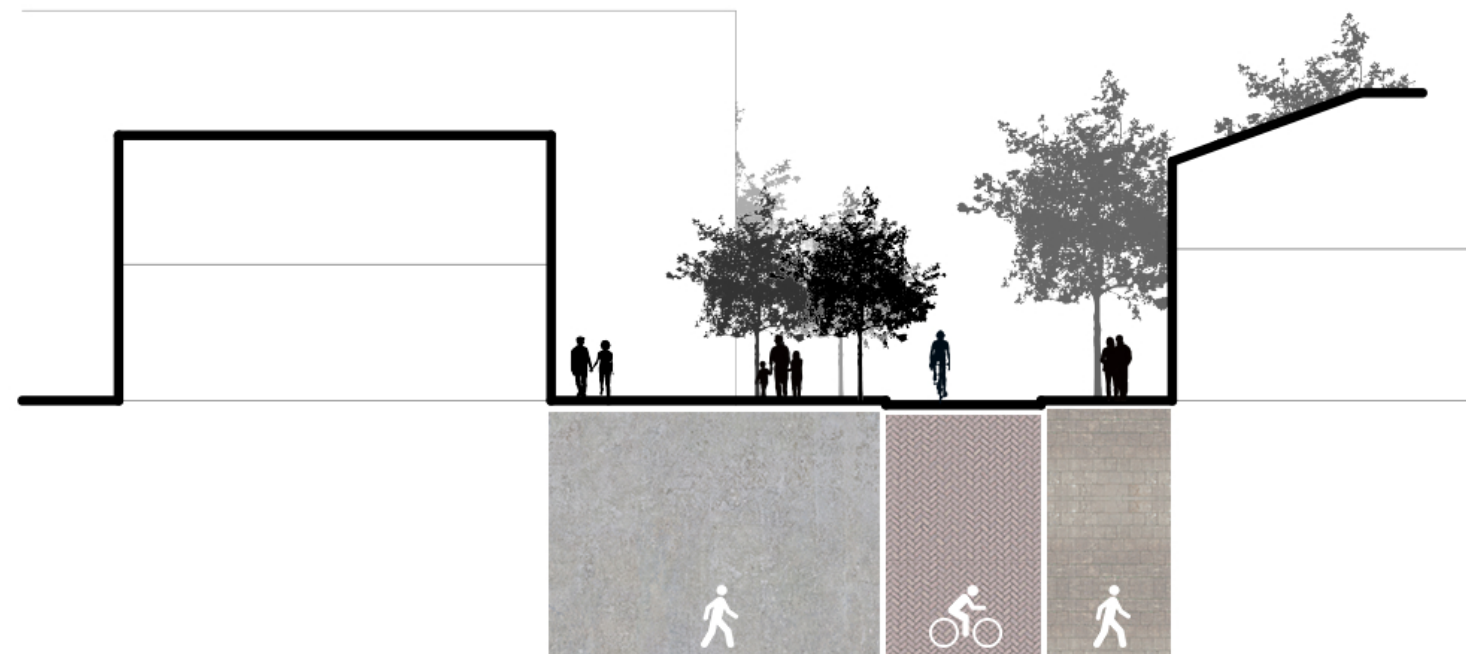


ISENDOORNSTRAAT

streetprofile



street profile - existing situation



street profile - new situation

3 m



SECTION

pavilion



2 m



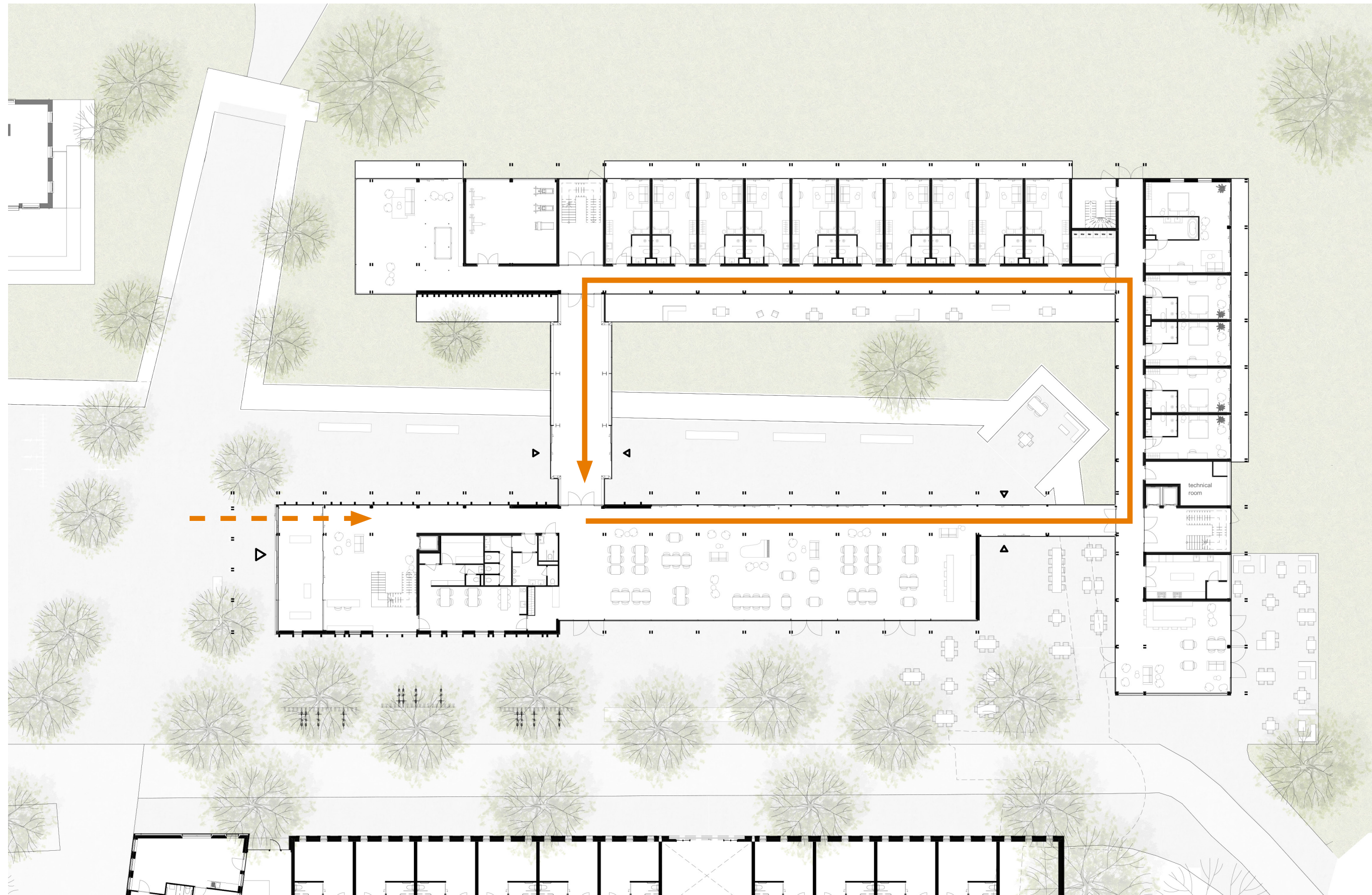
IMPRESSION

south facade



ROUTING

ground floor

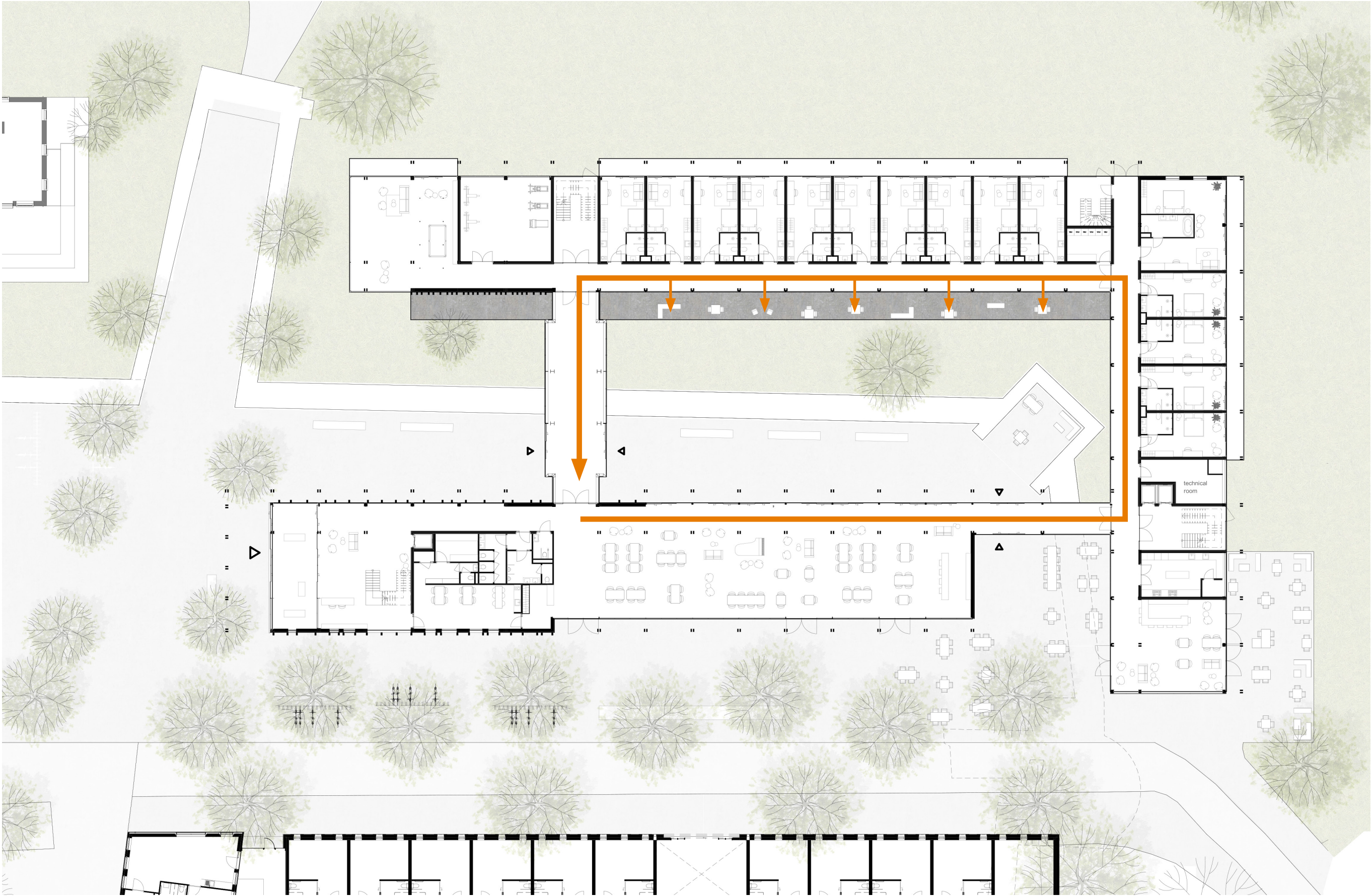


5 m



COURTYARD

accessibility



5 m



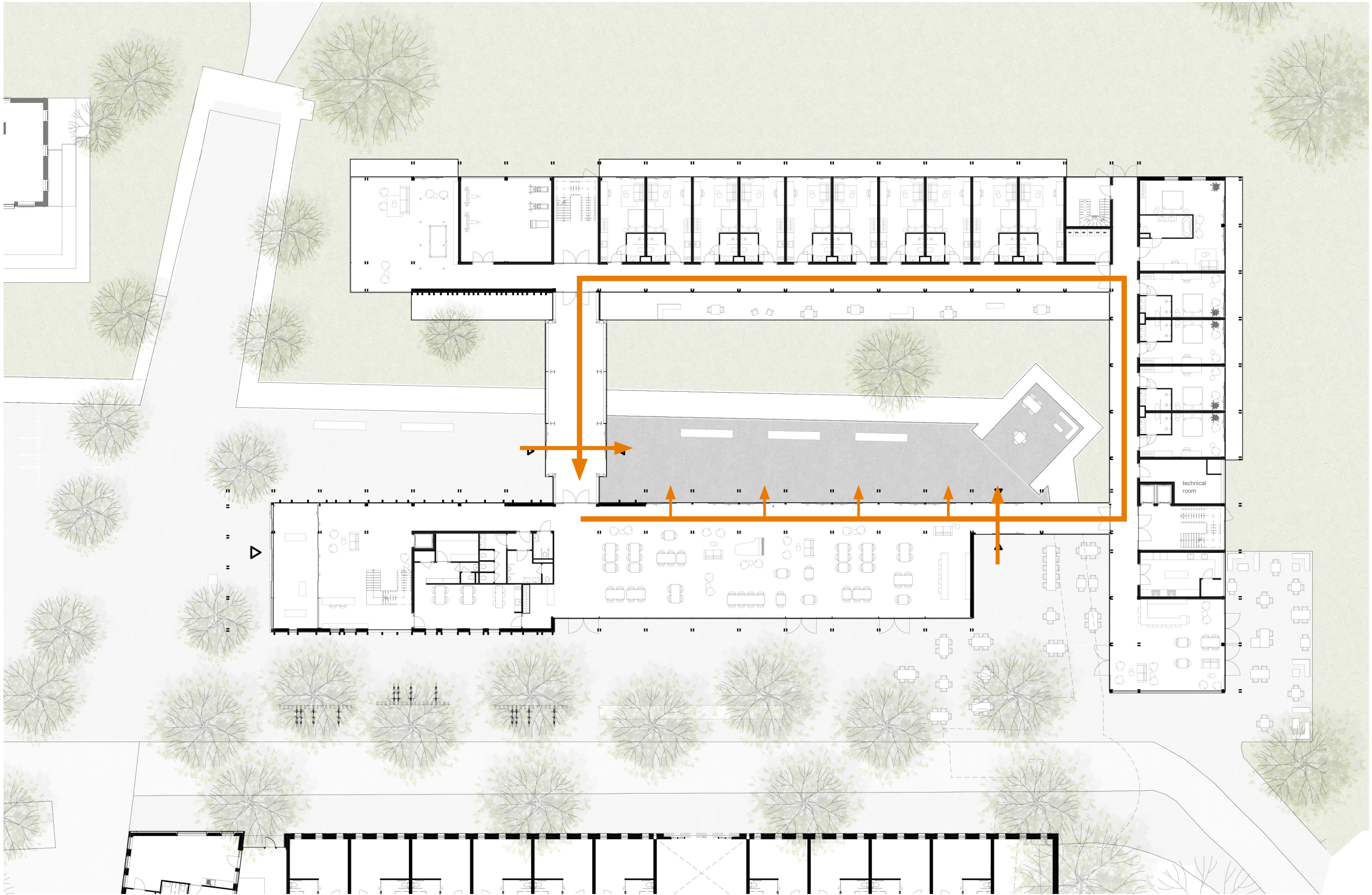
COURTYARD

impression



COURTYARD

accessibility

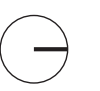


5 m



COURTYARD

impression



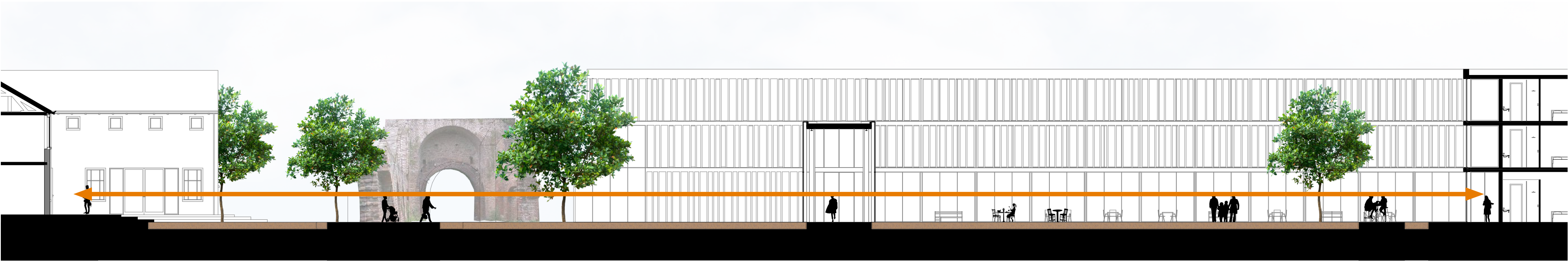
COURTYARD

impression



RELATION WORK EXPO & STUDENT HOTEL

longitudinal section



3 m



CORRIDOR

3D section



1 m

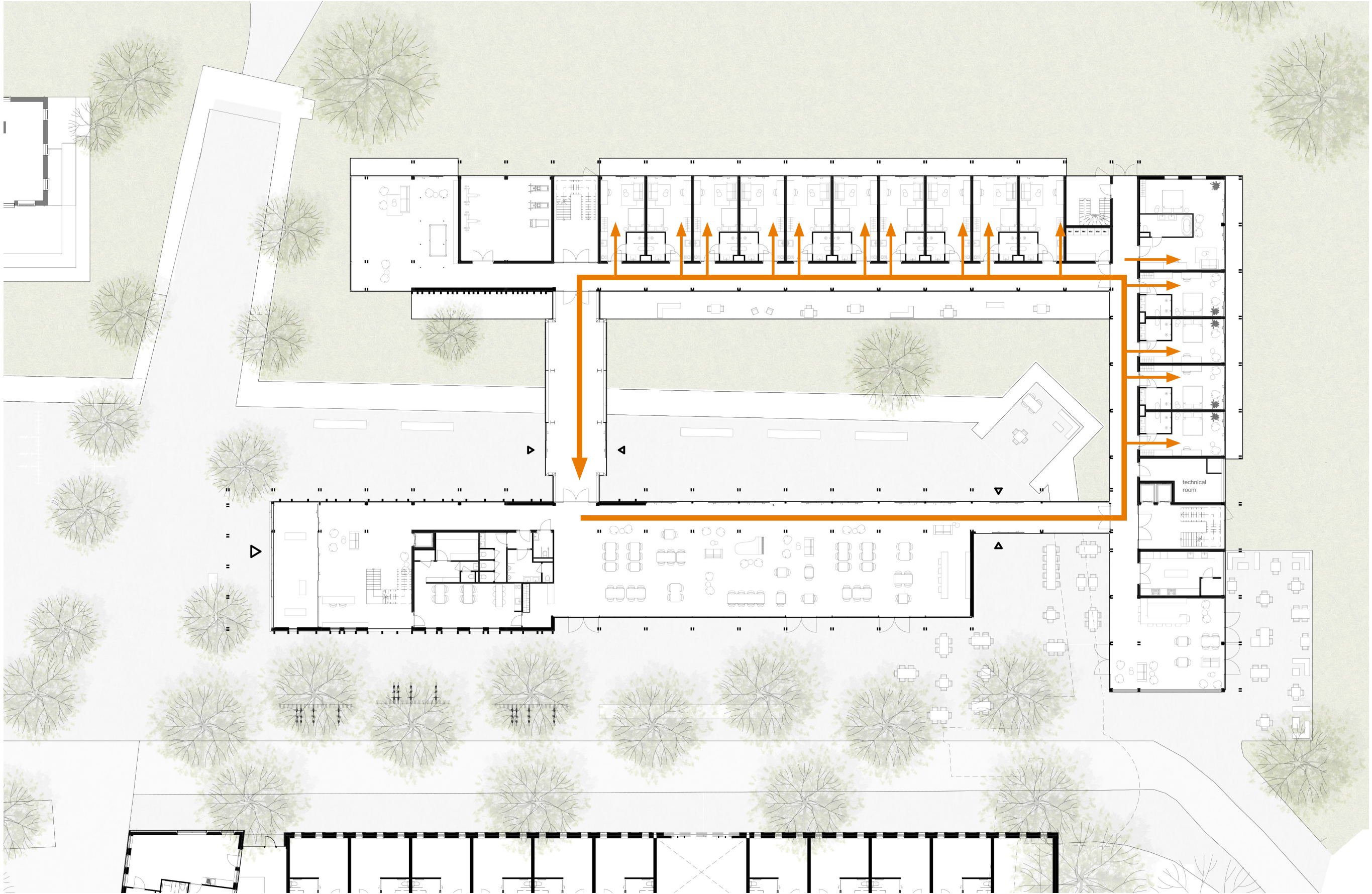


CORRIDOR

detail



HOTEL ROOMS



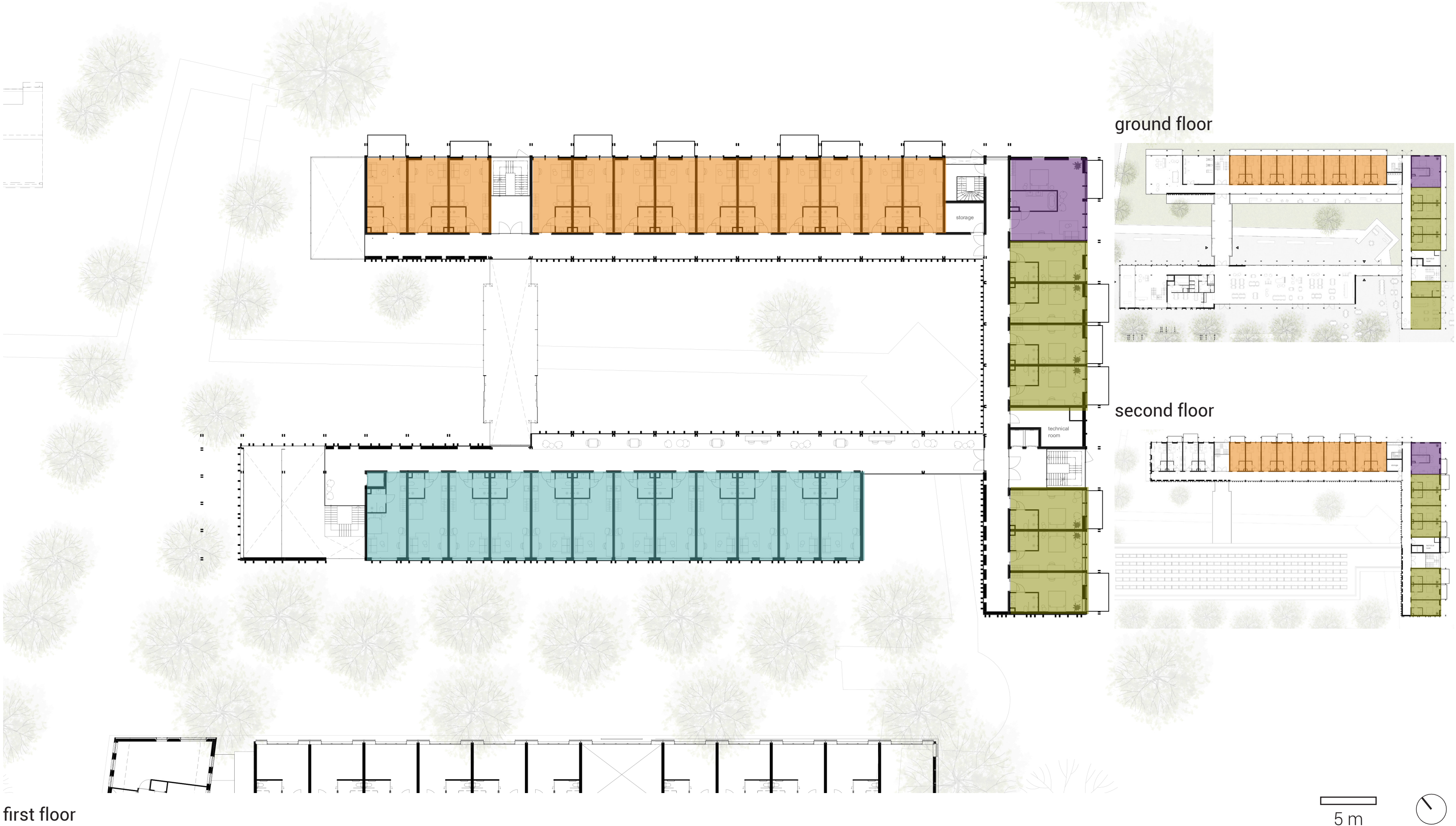
10 m



HOTEL ROOMS

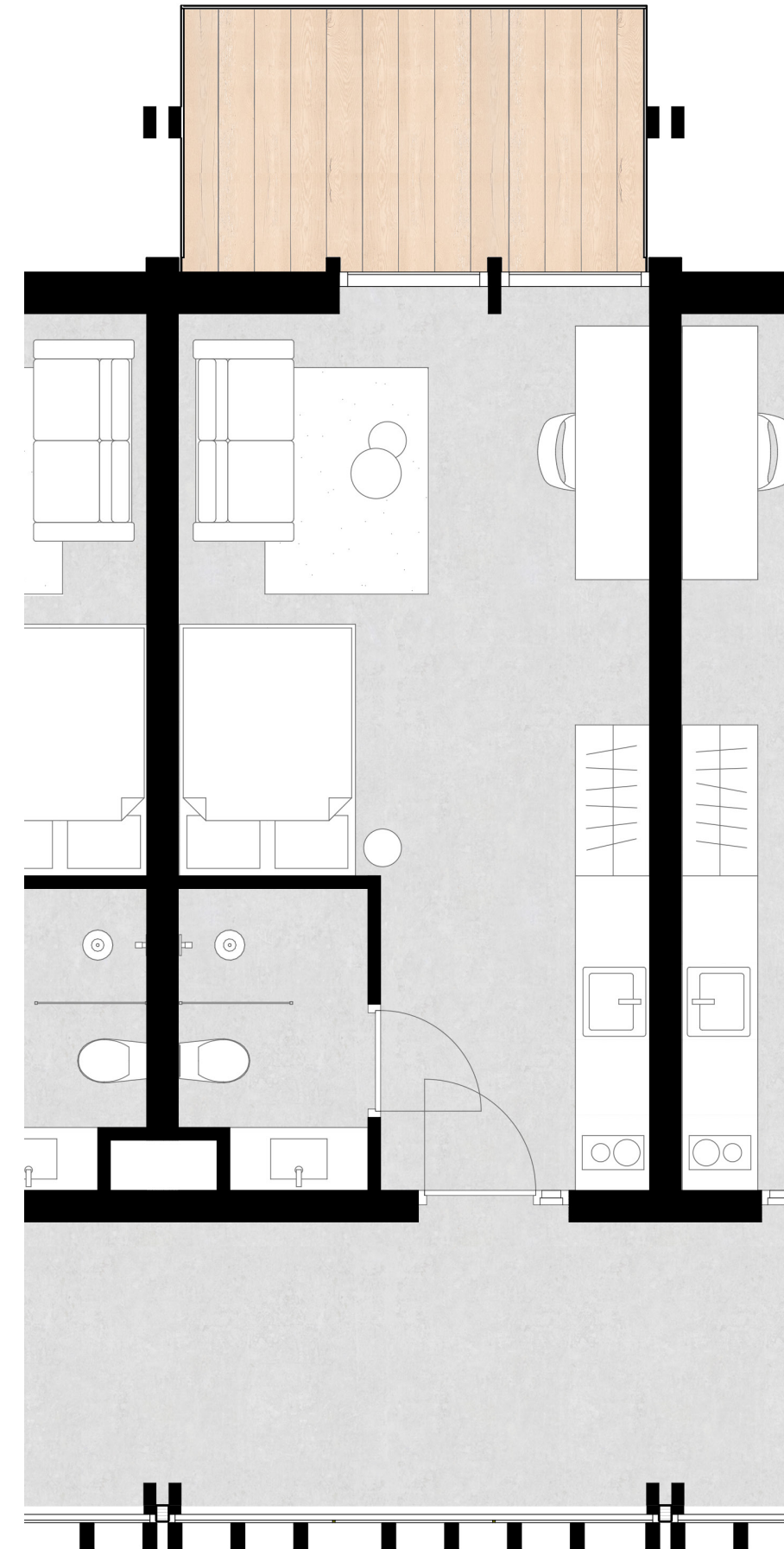
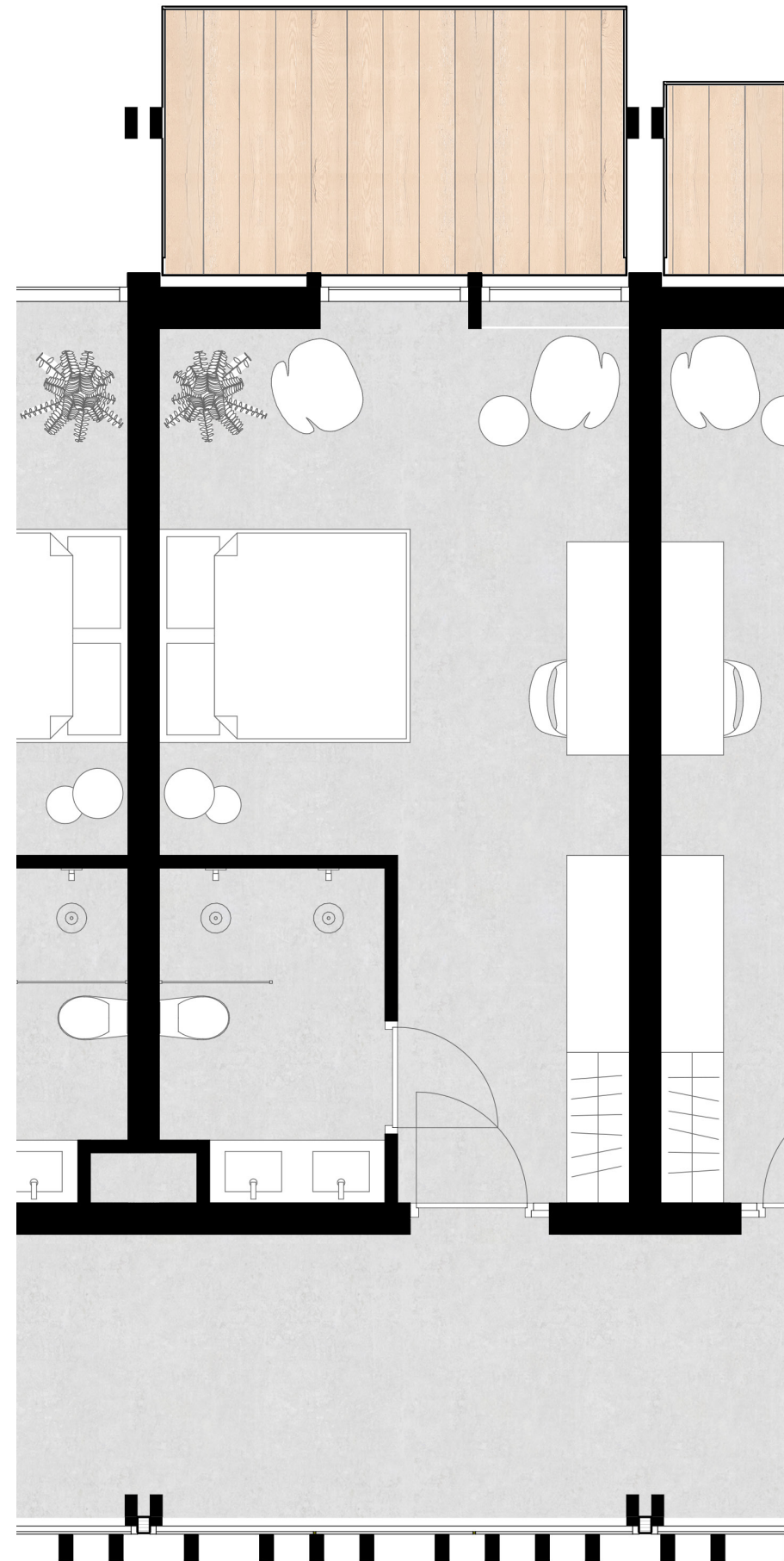
four types

- standard room
25 m²
18 x
- suite
50 m²
3 x
- student room
25 m²
37 x
- student room XL
31 m²
12 x



HOTEL ROOMS

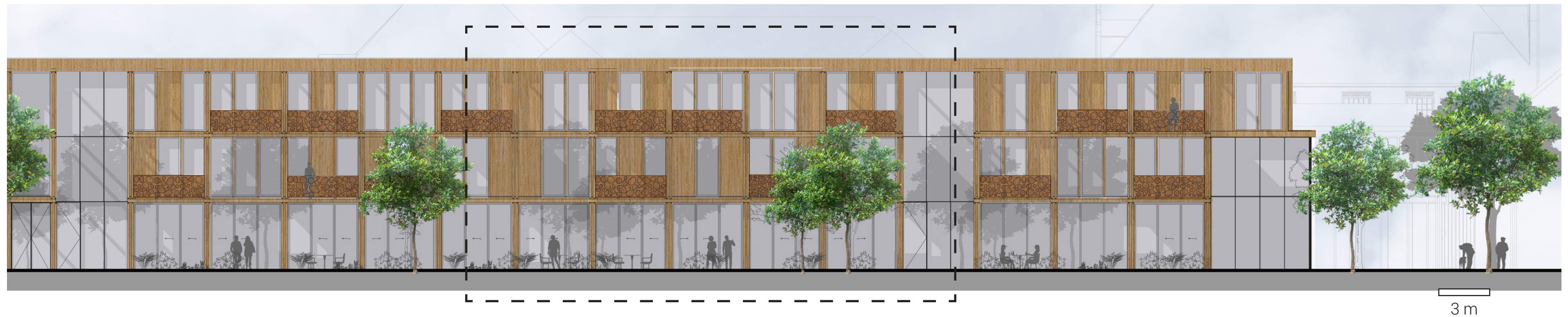
standaard room and student room



0,5 m



NORTH FACADE



NORTH FACADE

impression



HOTEL ROOM

impression



0,5 m



HOTEL ROOM

impression



0,5 m



HOTEL ROOM

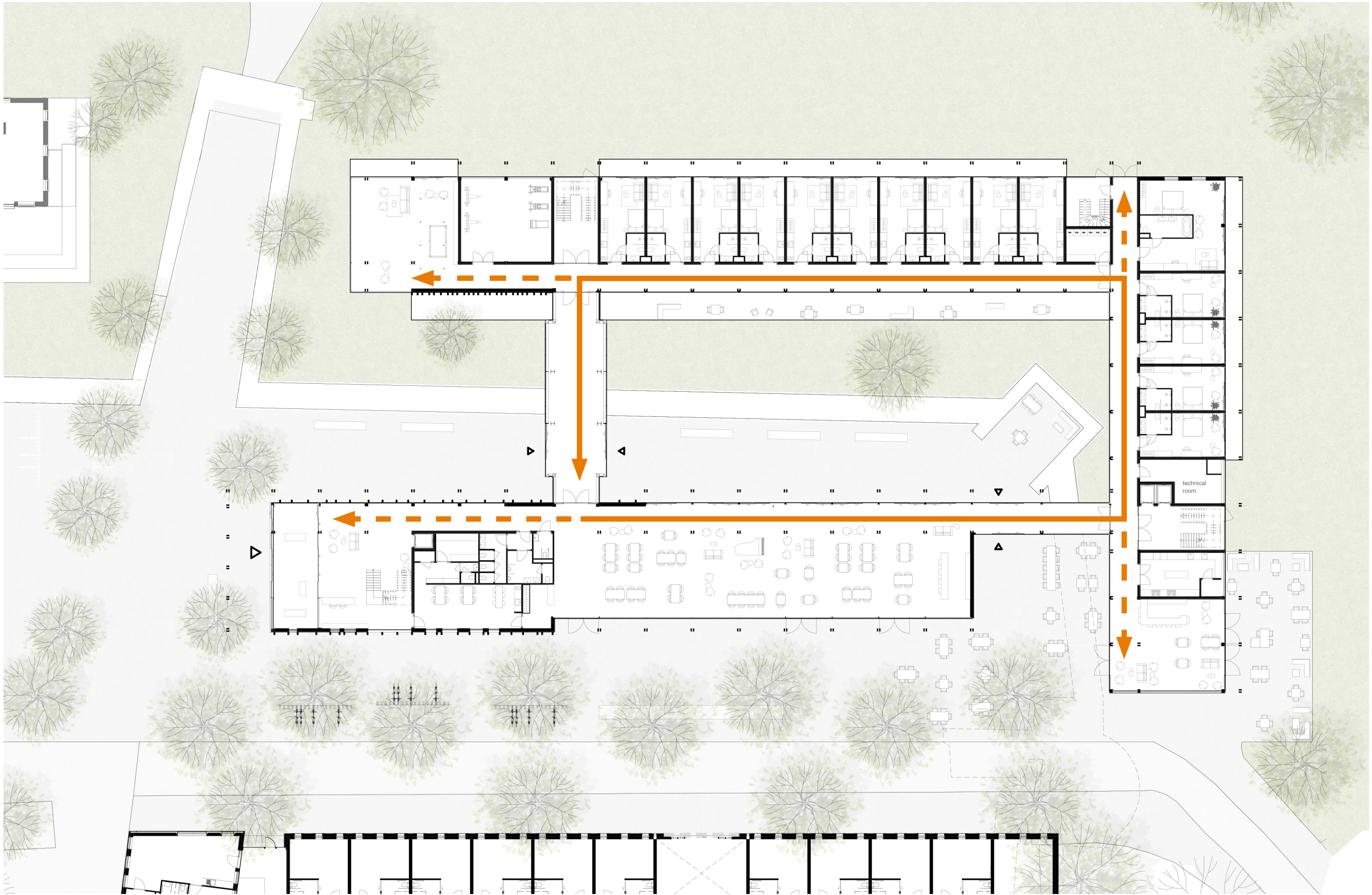
impression



0,5 m



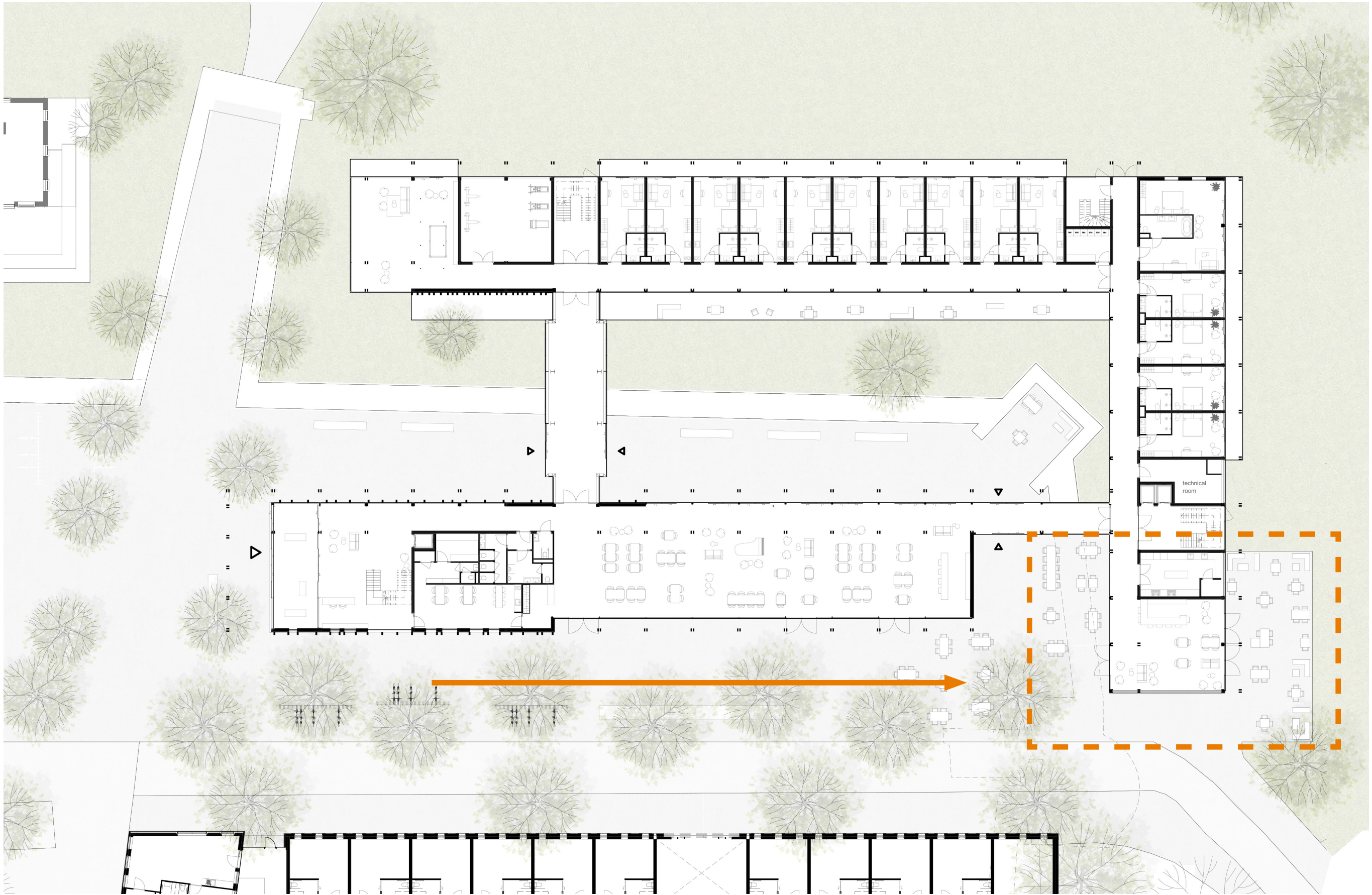
CORNERS



10 m



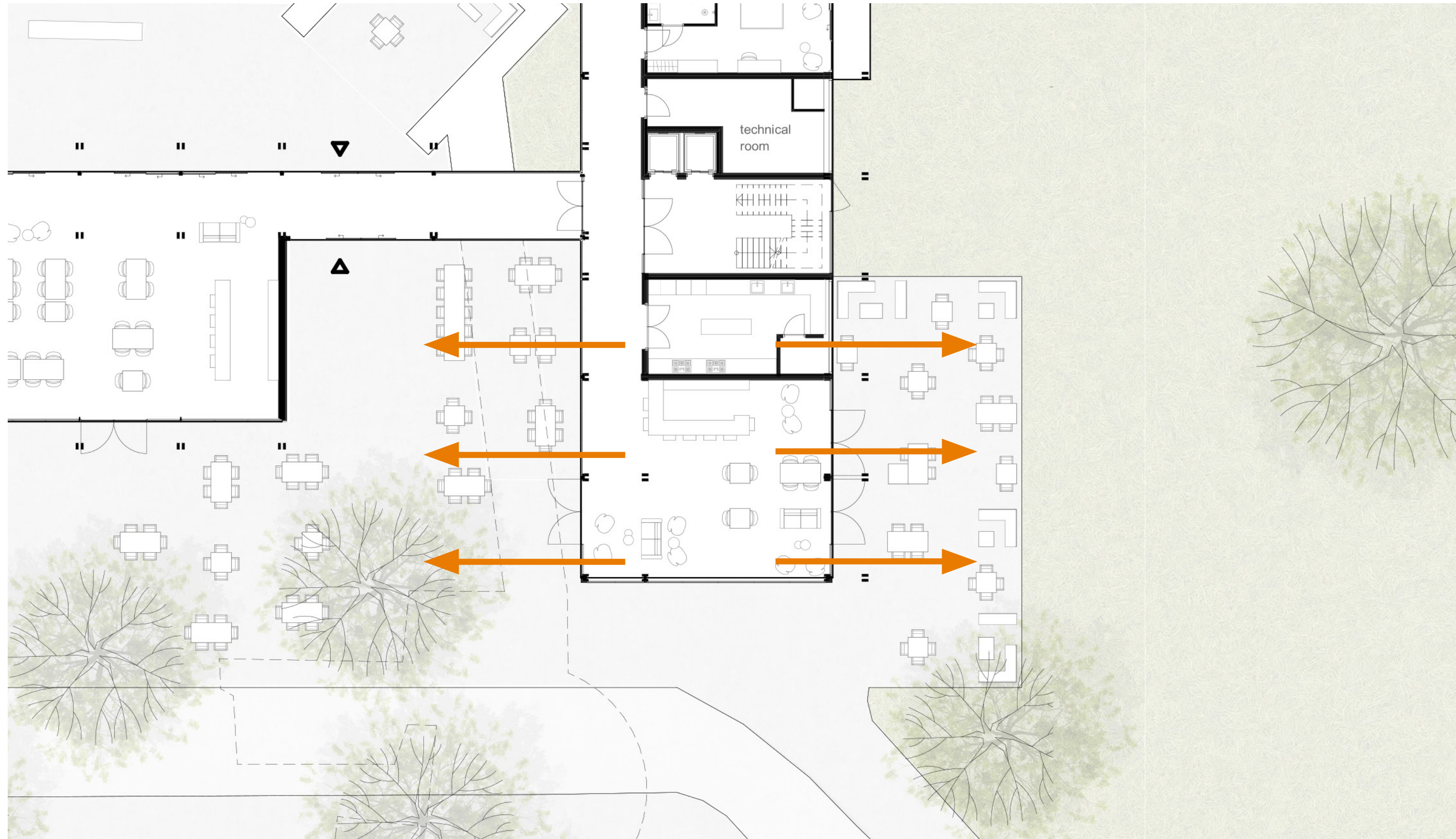
CORNERS



10 m



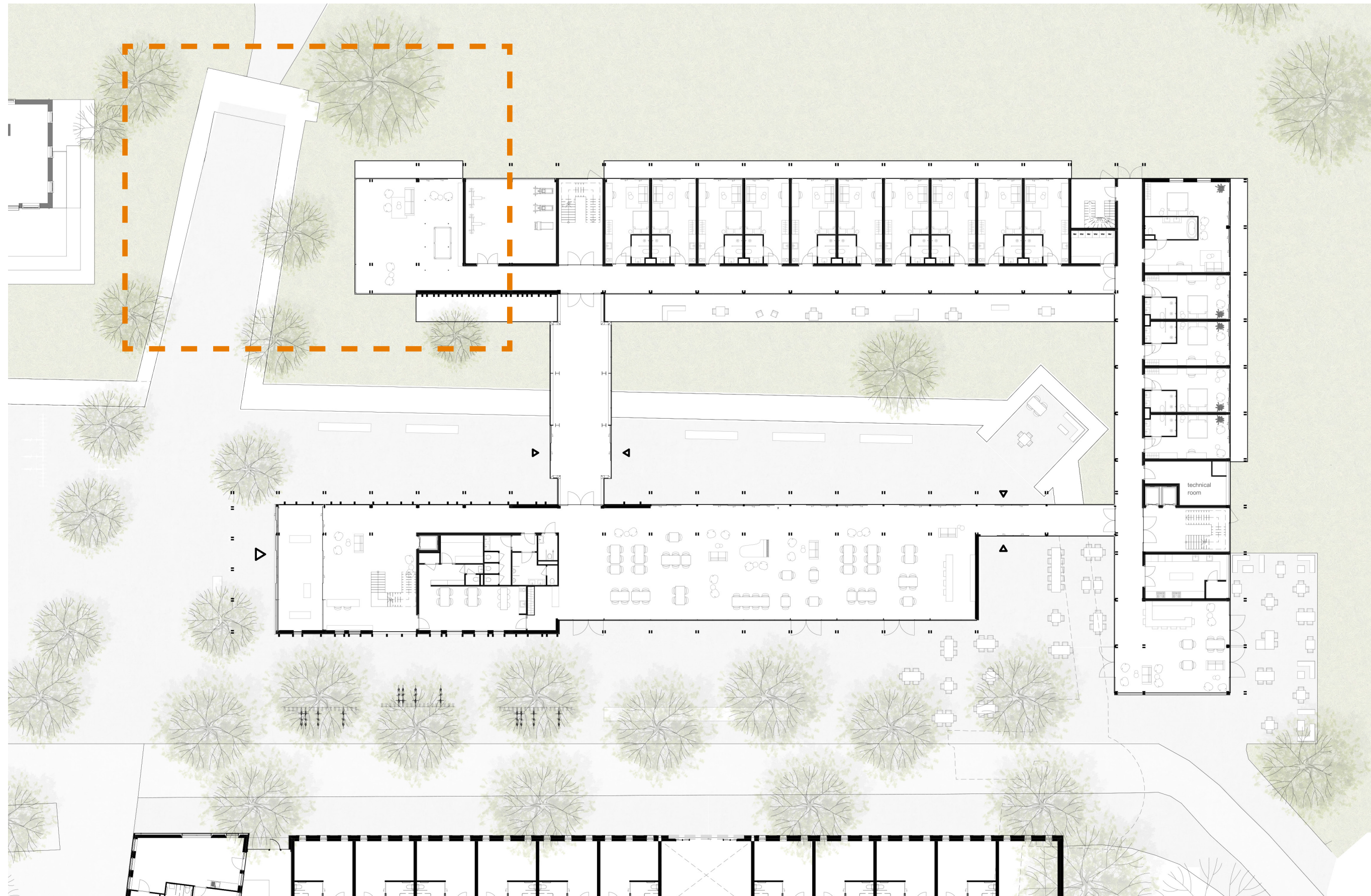
LOUNGE



2m



COMMUNAL SPACE



10 m



COMMUNAL SPACE

impression



ZUTPHEN, SUSTAINABLE CITY



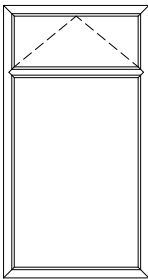
20 m



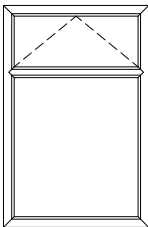
MATERIALS HET STEDELIJK

inventory

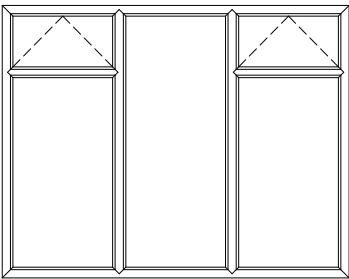
windows



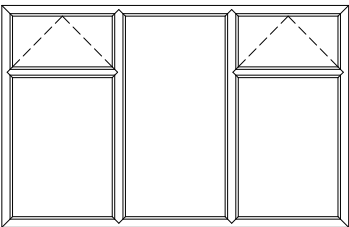
type A	
amount	200
m ²	2,32 m ²
total	464 m ²



type B	
amount	96
m ²	1,89 m ²
total	181,44 m ²

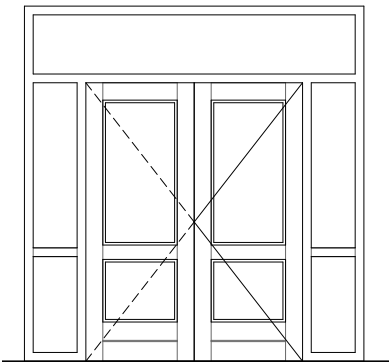


type C	
amount	16
m ²	5,55 m ²
total	88,8 m ²

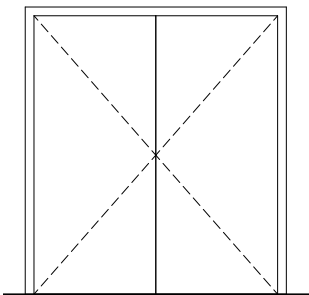


type D	
amount	16
m ²	4,52 m ²
total	72,32 m ²

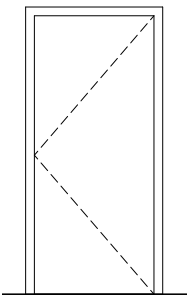
internal doors



type A	
amount	17
m ²	7,07 m ²
total	120,19 m ²

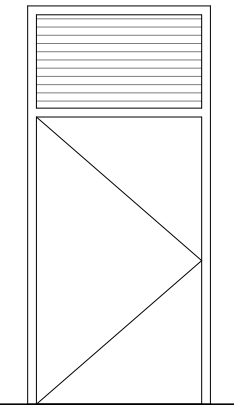


type B	
amount	7
m ²	4,40 m ²
total	30,8 m ²

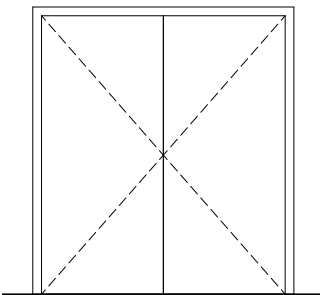


type C	
amount	169
m ²	2,31 m ²
total	390,39 m ²

external doors

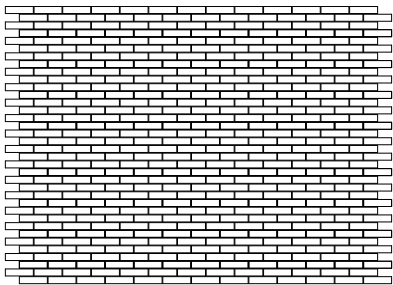


type A	
amount	5
m ²	4,27 m ²
total	21,35 m ²

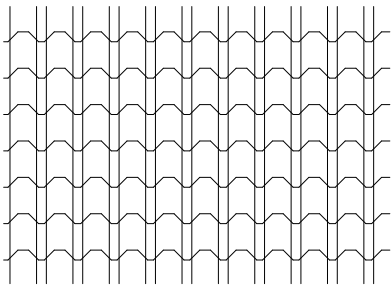


type B	
amount	5
m ²	4,40 m ²
total	22 m ²

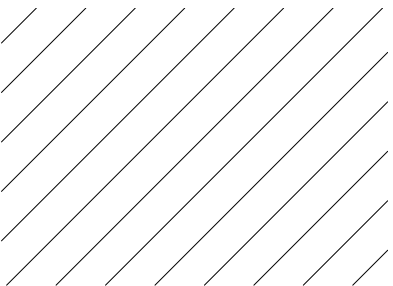
materials



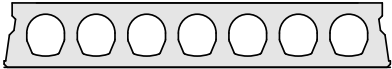
brick	
total m ²	3.108 m ²
total m ³	310,8 m ³



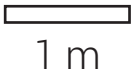
roof tiles	
total m ²	5.254 m ²
total m ³	105,08 m ³



prefab concrete facade	
total m ²	3.003 m ²
total m ³	600,6 m ³



hollow core slab	
total m ²	10.200 m ²
total m ³	1,224 m ³



RE-USE MATERIALS

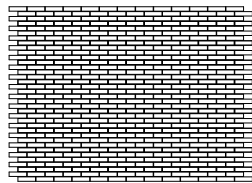
	window frames	doors	brickwork	rooftiles	concrete	hollow core slab
re-use entirely						
granulate in concrete						
elevating the soil						
crumble and use it in a gabion for fencing						
plant boxes						
stack it for fencing						
make furniture						
recycle the plastics to composite						
recycle glass to new products						
shred wood and use it for chipboards						

RE-USE MATERIALS

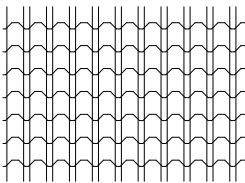
	window frames	doors	brickwork	rooftiles	concrete	hollow core slab
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RE-USE MATERIALS

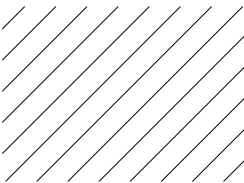
Noorderhaven Zutphen



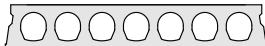
brickwork



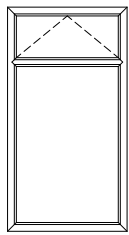
rooftiles



concrete



hollow core slab

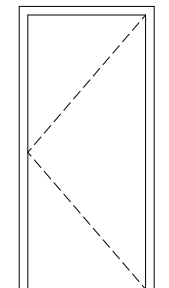


window frames

Noorderhaven



new building



doors

50 m



NIEUWSTAD

assignment



20 m



NIEUWSTAD

assignment



20 m



PARK

one continuous park



20 m



PARK

activities



<http://www.jouwregiocentraal.nl/yoga-dance-in-het-park>



<https://www.koggecourant.nl/nieuws/algemeen/9162-wijn-en-bier-proeven-in-stadspark-kampen>

20 m



FUNCTION



50 m



LANGE HOFSTRAAT

impression



<https://nl.pinterest.com/pin/498773727460949406/>

NIEUWSTAD

impression



<https://www.contactzutphen.nl/nieuws/algemeen/177295/weer-achterhoek-van-a-tot-z-dag-vijf-zutphen->

ISENDOORNSTRAAT

impression



THANK YOU!

