

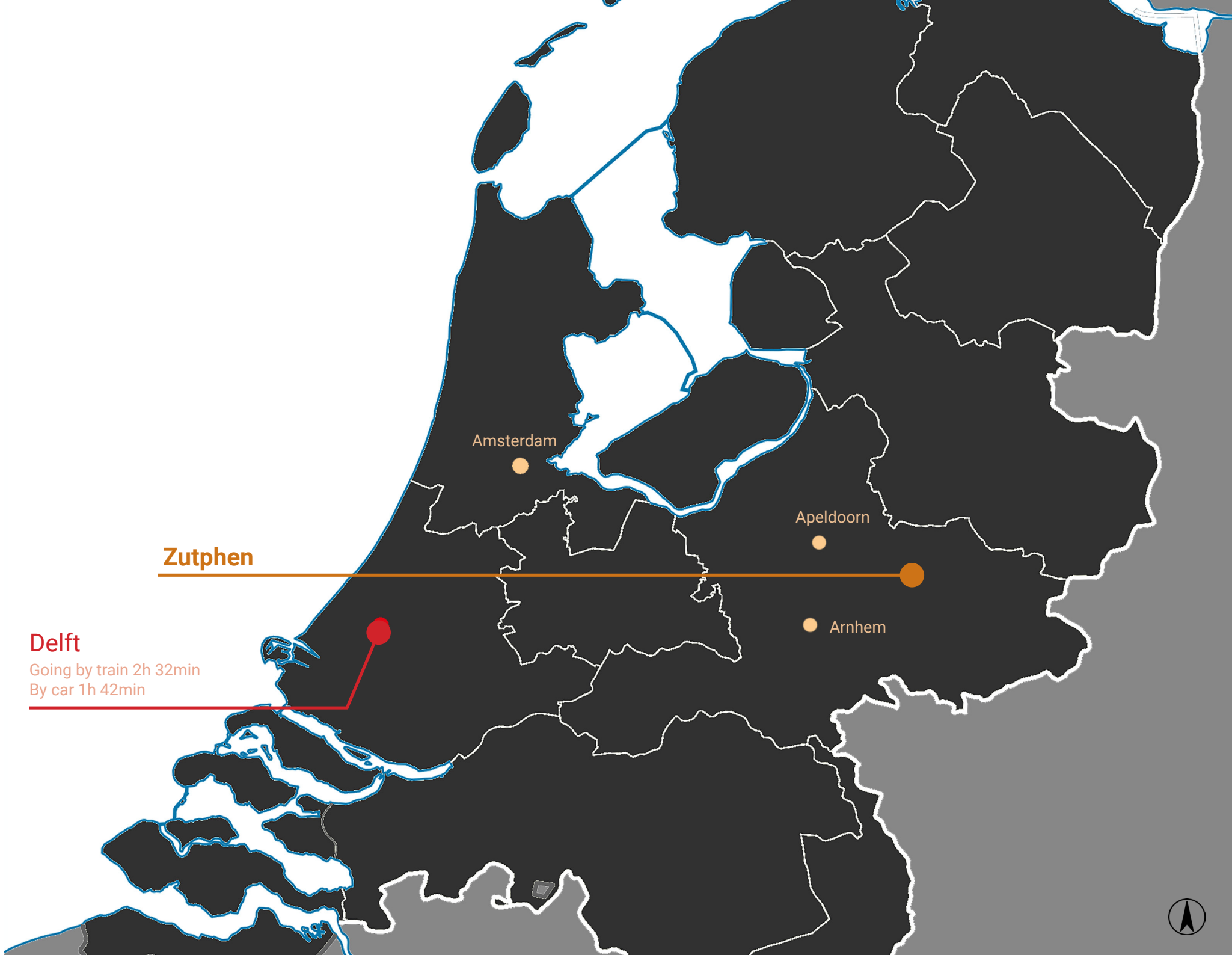
ZUPTHEN'S

FILM & ENTERTAINMENT CENTRE

[BAUDARTIUS]



MY MY NGO
26 JUNE 2018



Delft

Going by train 2h 32min
By car 1h 42min

Zutphen

Amsterdam

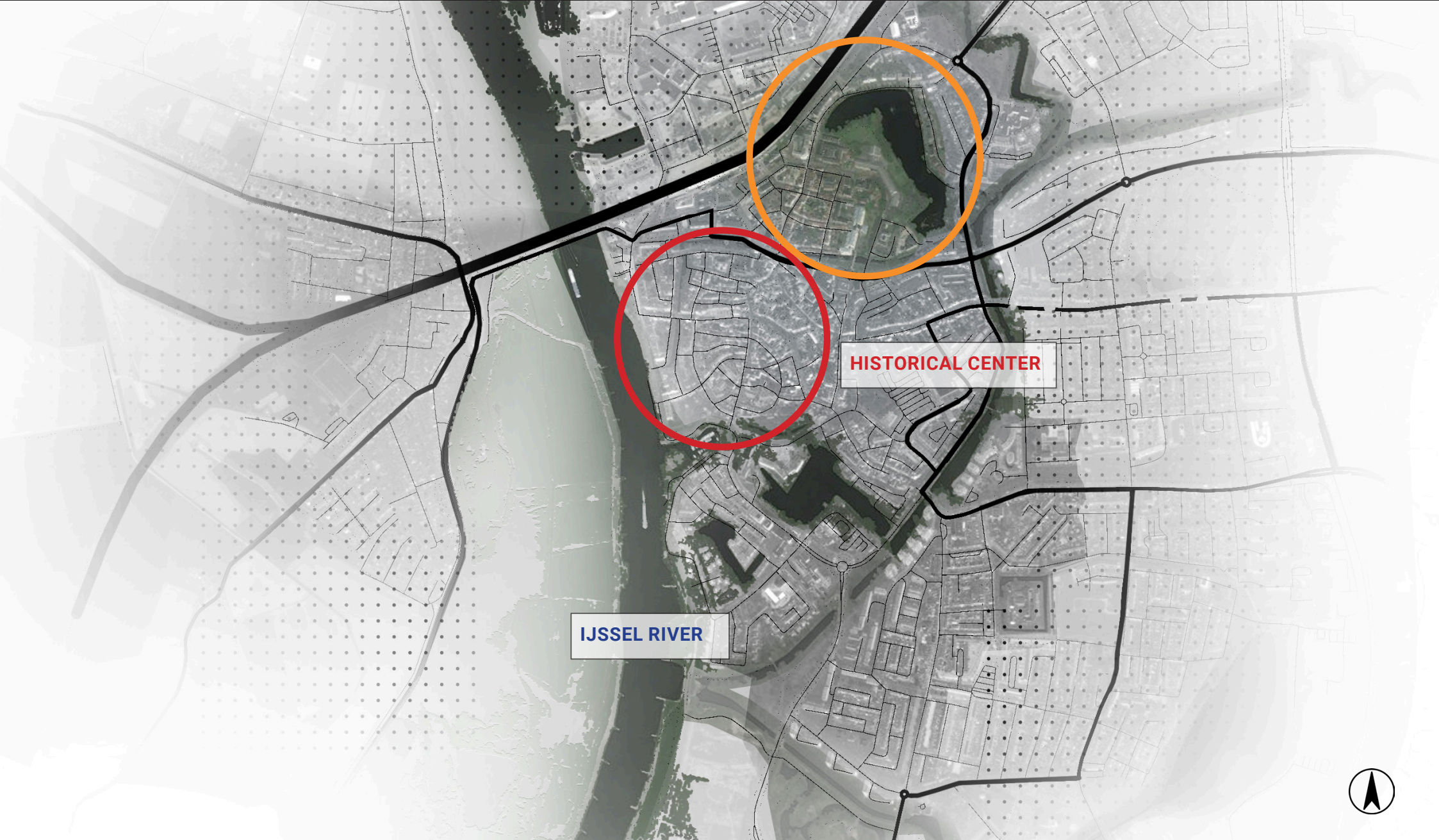
Apeldoorn

Arnhem



NIEUWSTAD

NEIGHBORHOODS



IJSEL RIVER

HISTORICAL CENTER



ZUTPHEN

CITY CENTER



NIEUWSTAD STREET



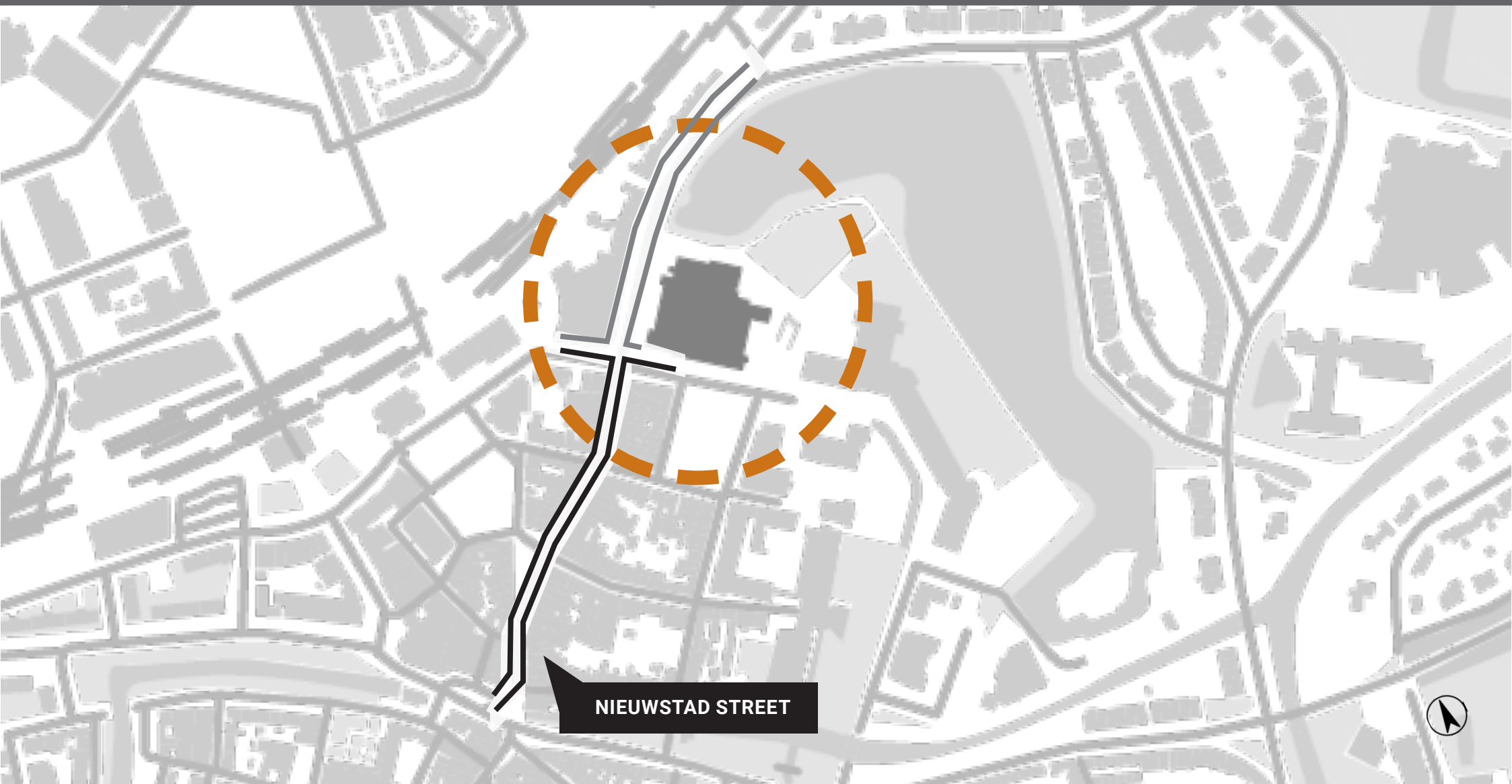
NIEUWSTAD

EDGE - CROSSING



NIEUWSTAD

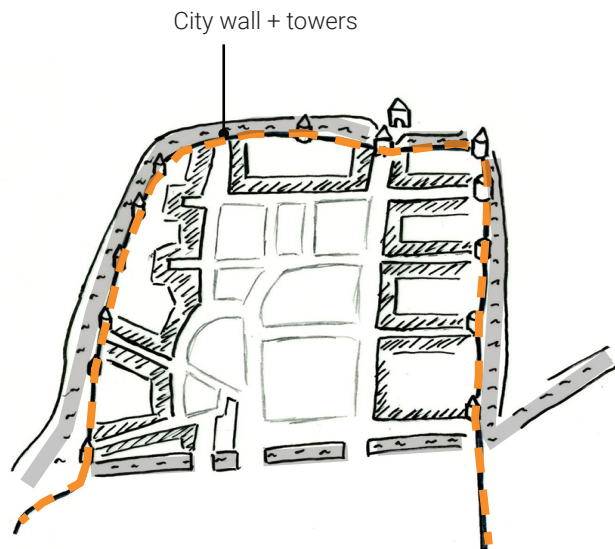
BAUDARTIUS



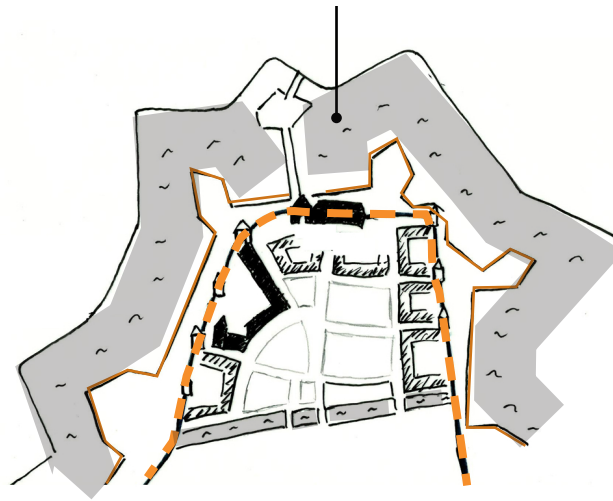
ZUTPHEN

DEVELOPMENT OF THE EDGES

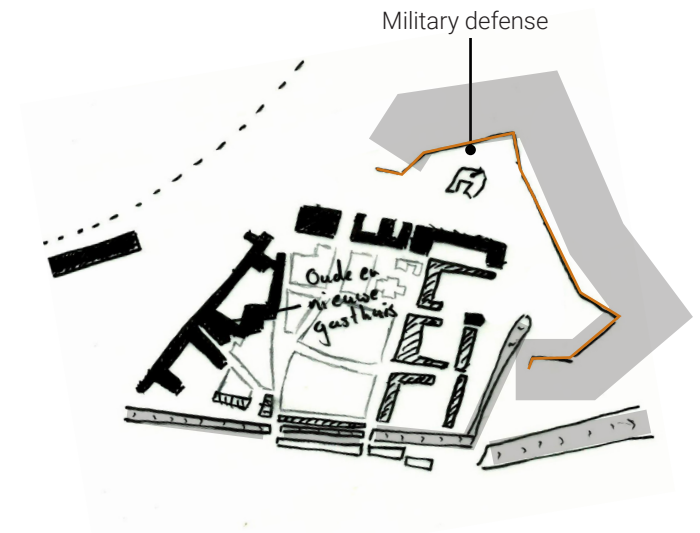
THE EDGES OF NIEUWSTAD ARE IN CONSTANT TRANSFORMATION THROUGHOUT HISTORY



1493



1741



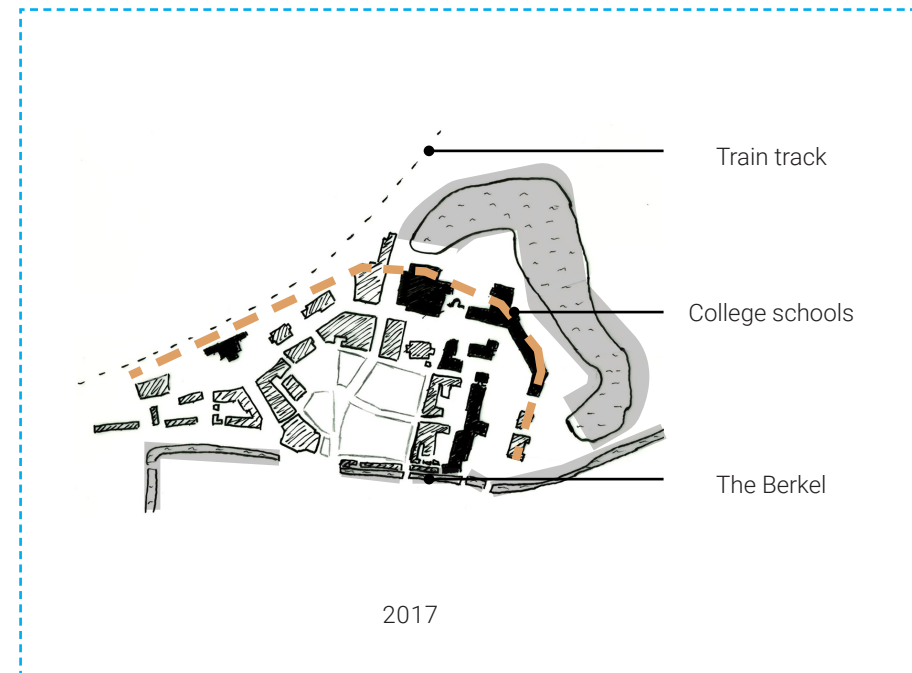
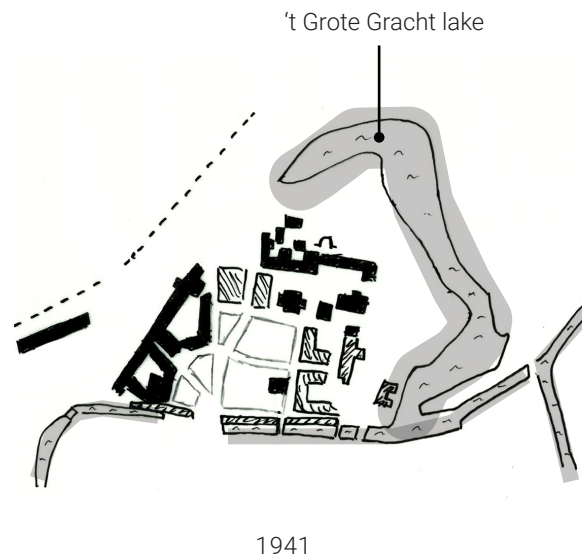
1878



ZUTPHEN

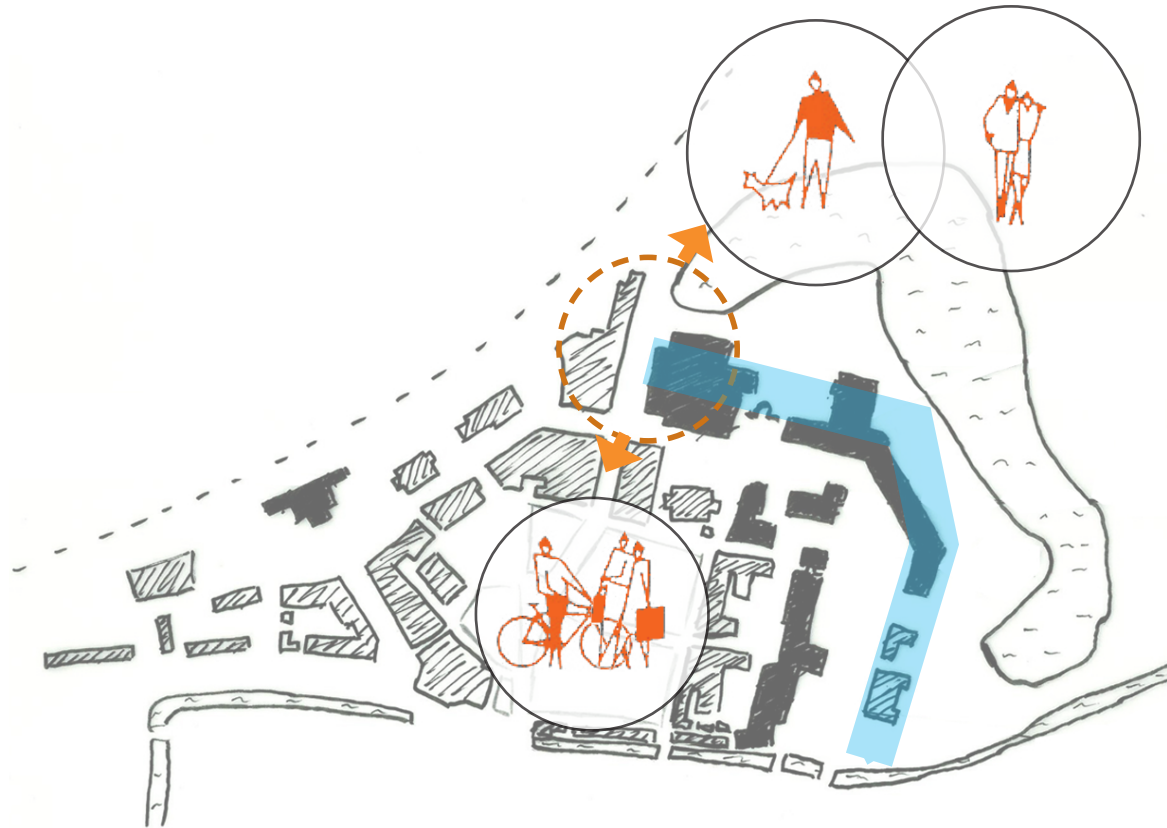
DEVELOPMENT OF THE EDGES

IN THE CURRENT SITUATION THE COLLEGE SCHOOLS, THE TRAIN TRACKS AND THE BERKEL FORM THE BORDER OF NIEUWSTAD.



BAUDARTIUS & THE SCHOOLS

THE MISSING LINK?



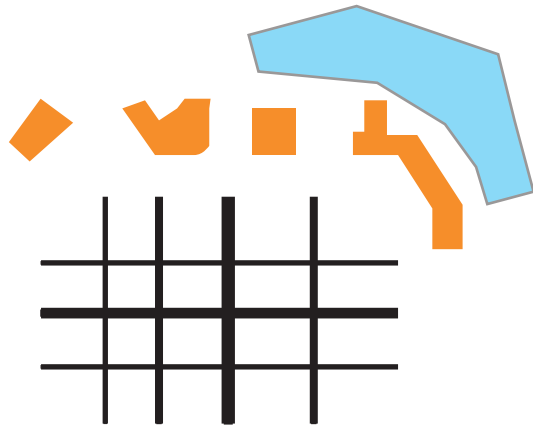
BAUDARTIUS

EDGE; CURRENT SITUATION

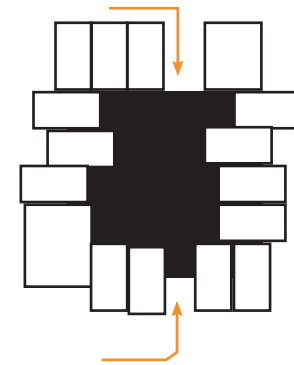


URBAN CONCLUSION

NIEUWSTAD



Square grid and around the 'edge'
sparsely distributed buildings



Courtyard typology
in the urban tissue



RESEARCH QUESTION

HOW CAN THE **BAUDARTIUS BUILDING CONNECT** WITH THE GROTE GRACHT LAKE TO **IMPROVE** THE CURRENT URBAN STRUCTURE, THE QUALITY OF PUBLIC SPACES AND **ATTRACT** LOCAL AND TOURIST PEOPLE?



MASTERPLAN

MASTERPLAN

AMBITIONS



MORE INVITING / ACCESSIBLE



*IMPROVEMENT OF
THE SURROUNDING AND AN
EXTENSION OF ACTIVITIES*

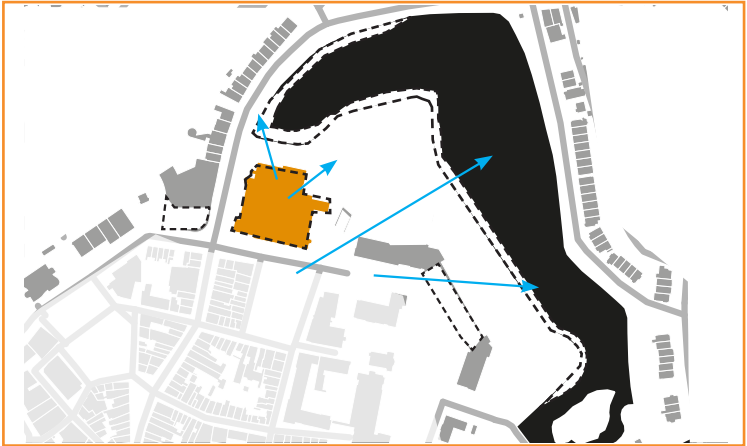
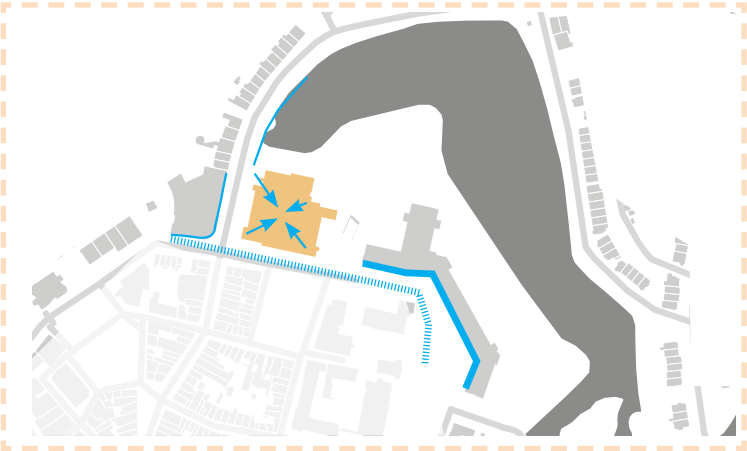
MASTERPLAN

AMBITION



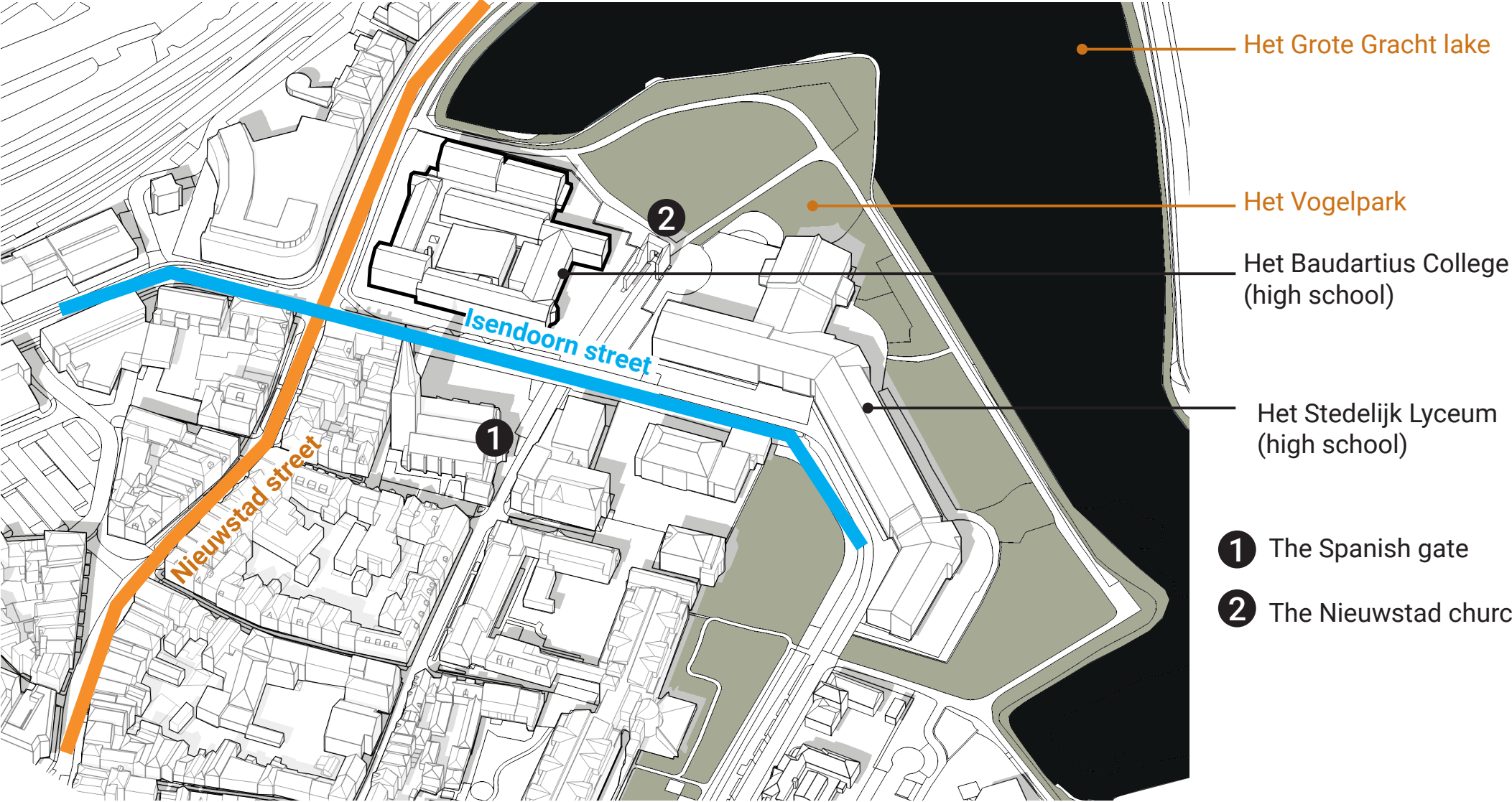
MORE INVITING / ACCESSIBLE

Current situation



CURRENT SITUATION

AXIS



Het Grote Gracht lake

Het Vogelpark

Het Baudartius College
(high school)

Het Stedelijk Lyceum
(high school)

1 The Spanish gate

2 The Nieuwstad church



MASTERPLAN

STREET PROFILE

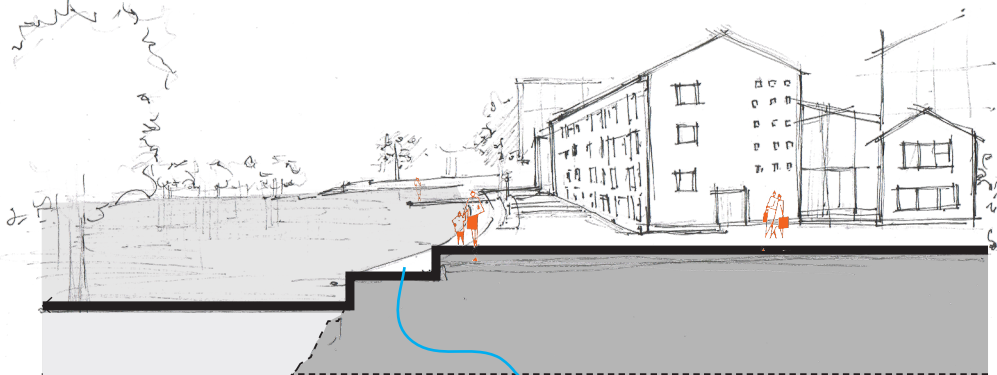
Isendoorn street



Half open/transparent facade



Nieuwstad street



Boulevard

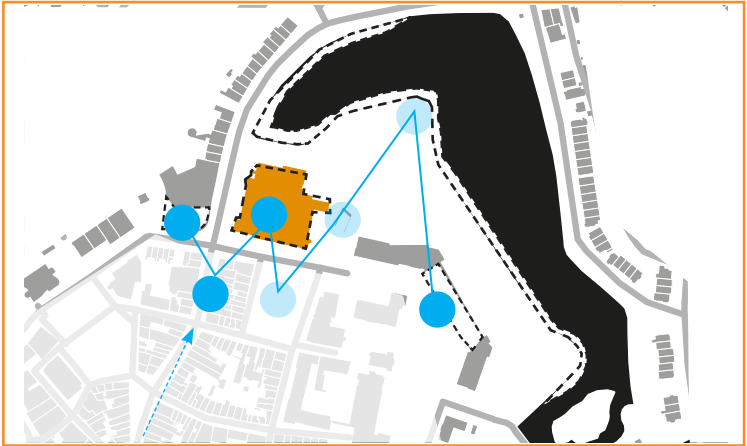
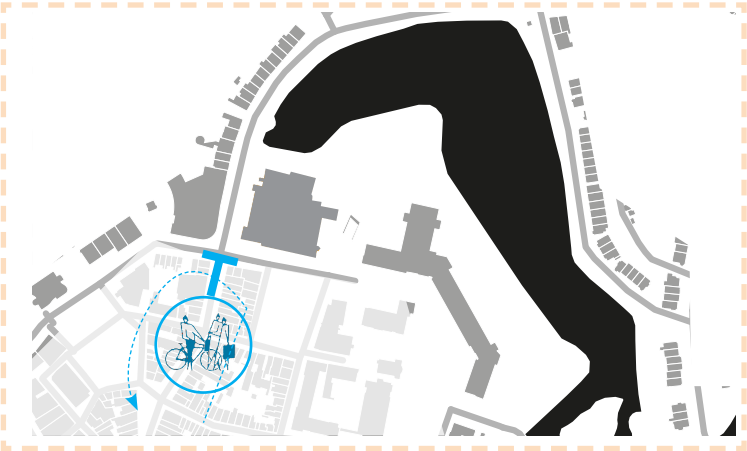
MASTERPLAN

AMBITIONS



IMPROVEMENT OF
THE SURROUNDING AND AN
EXTENSION OF ACTIVITIES

Current situation

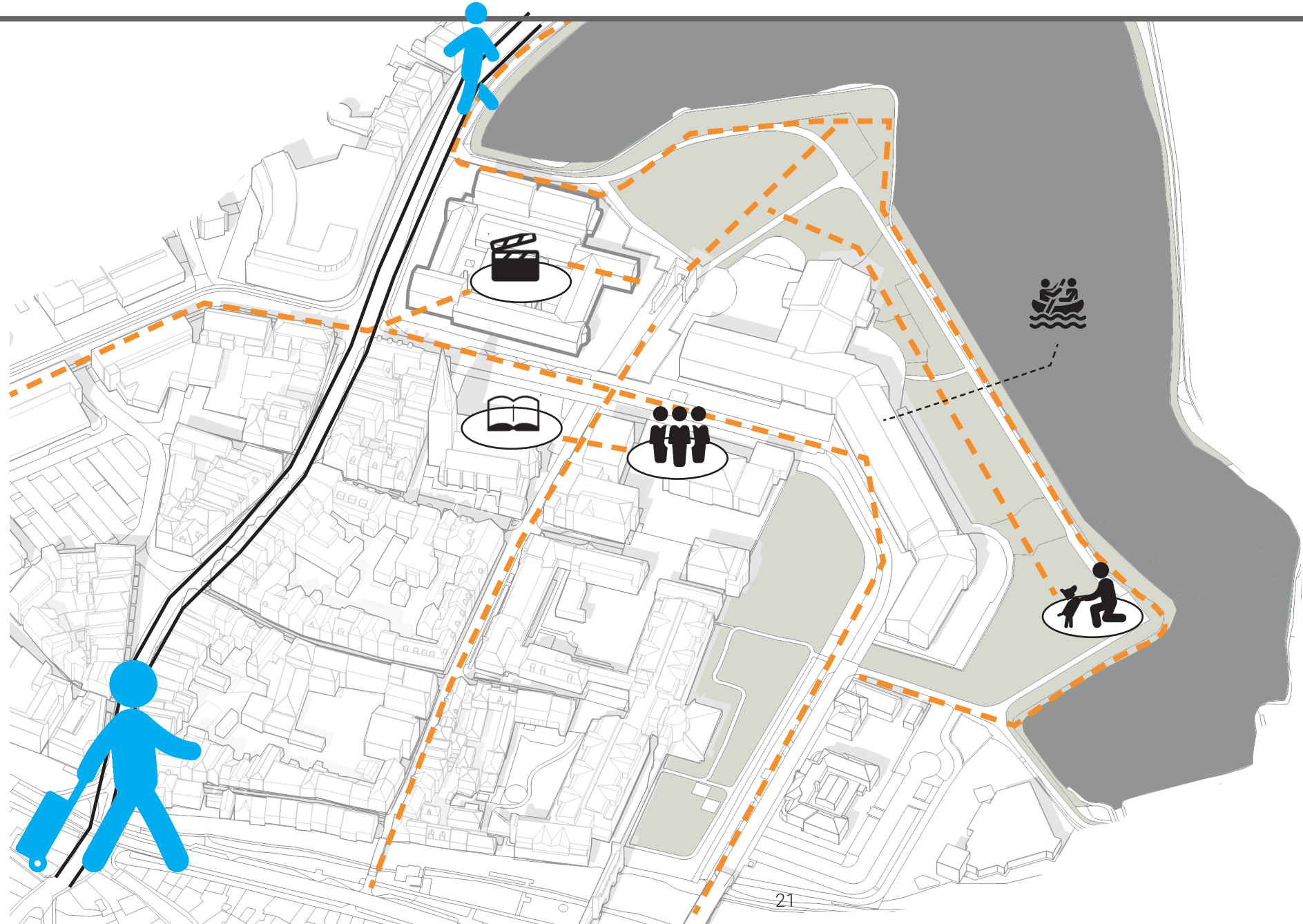


- Historical objects
- Public function



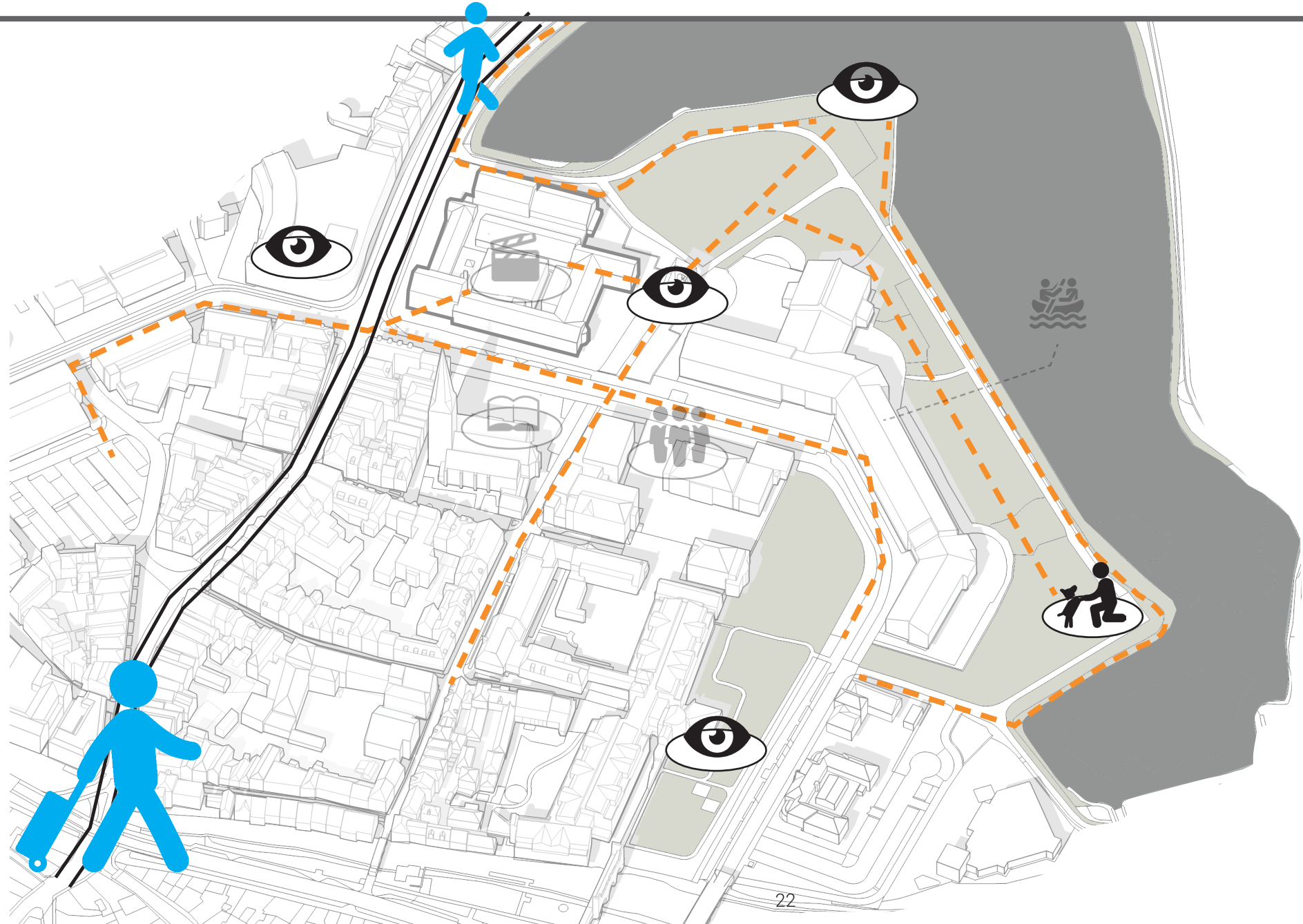
ROUTING /ACTIVITIES

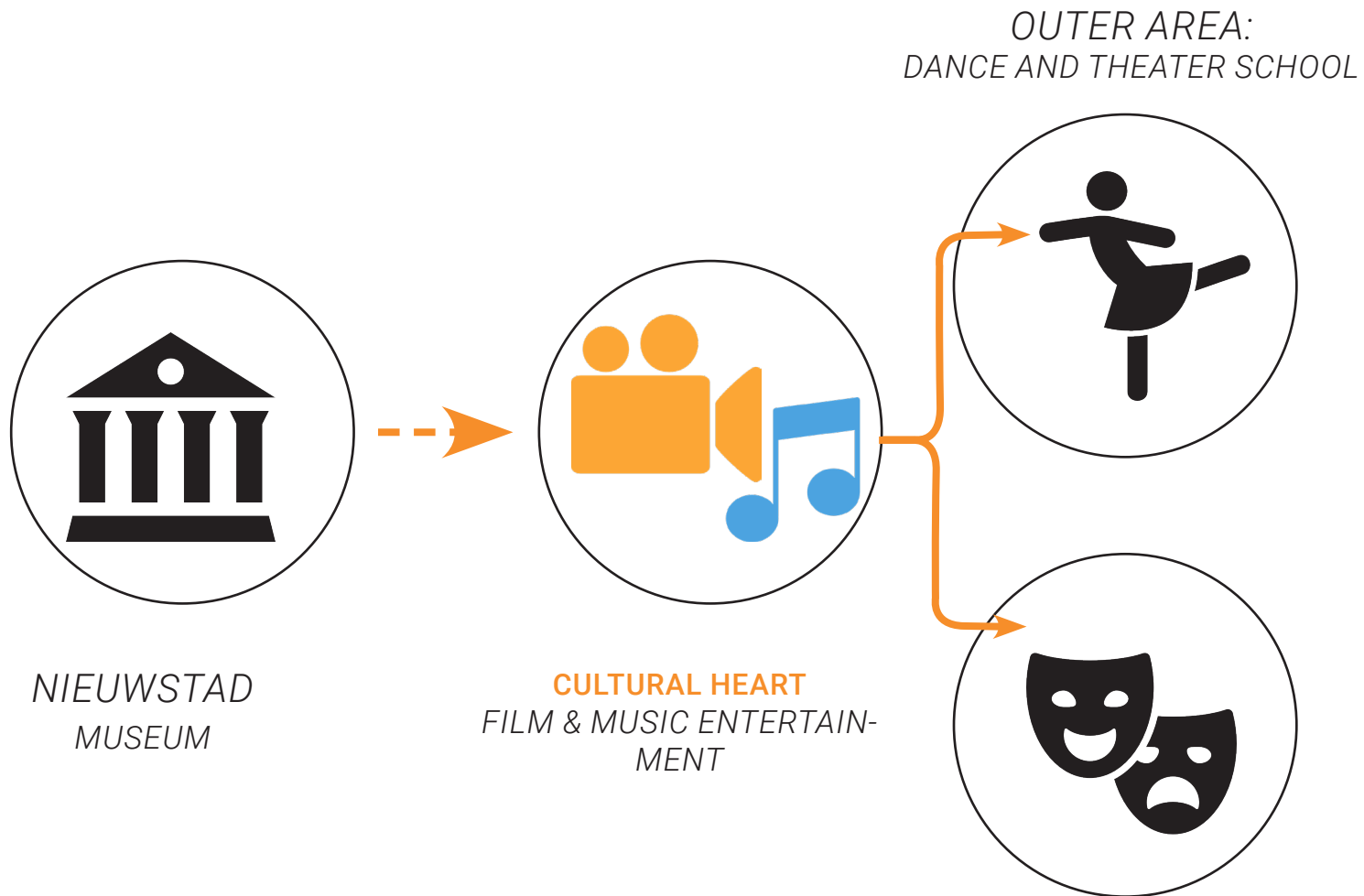
CITY, WATER & GREEN

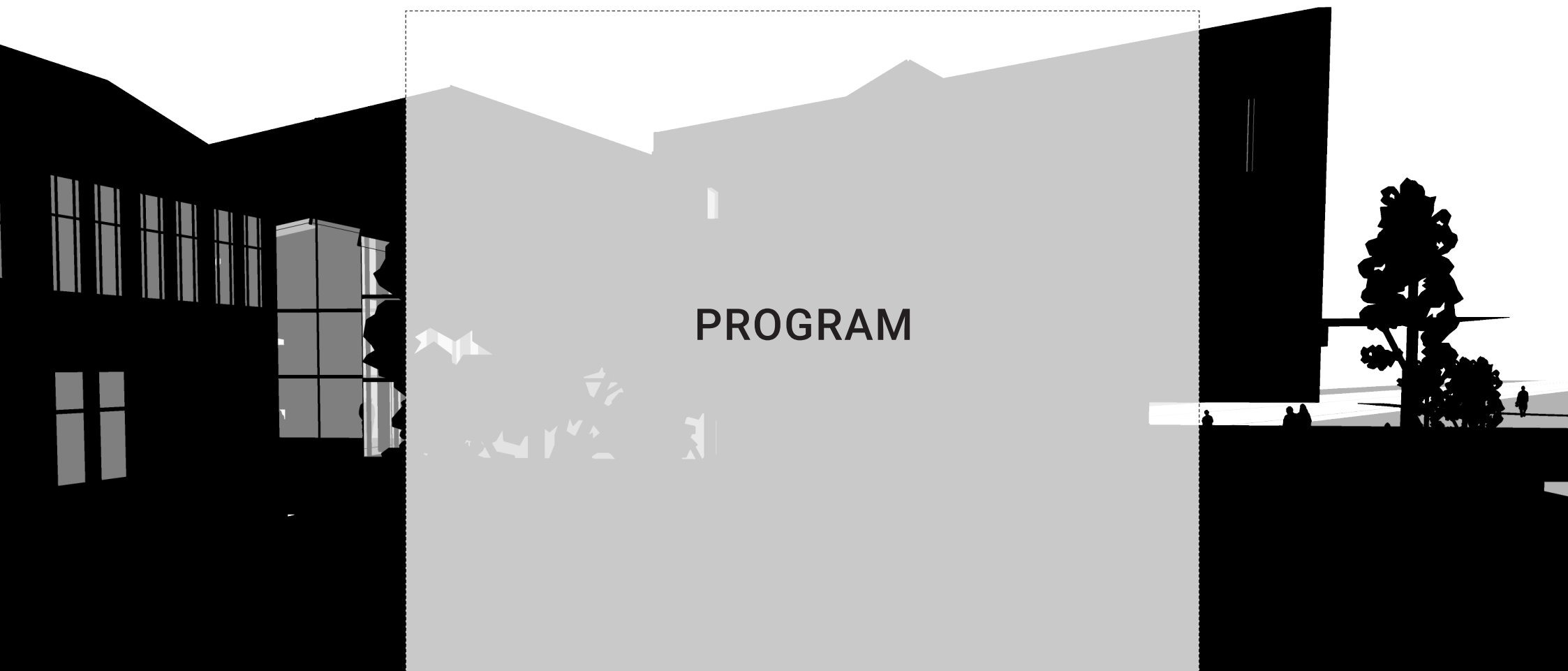


ROUTING /ACTIVITIES

CITY, WATER & GREEN



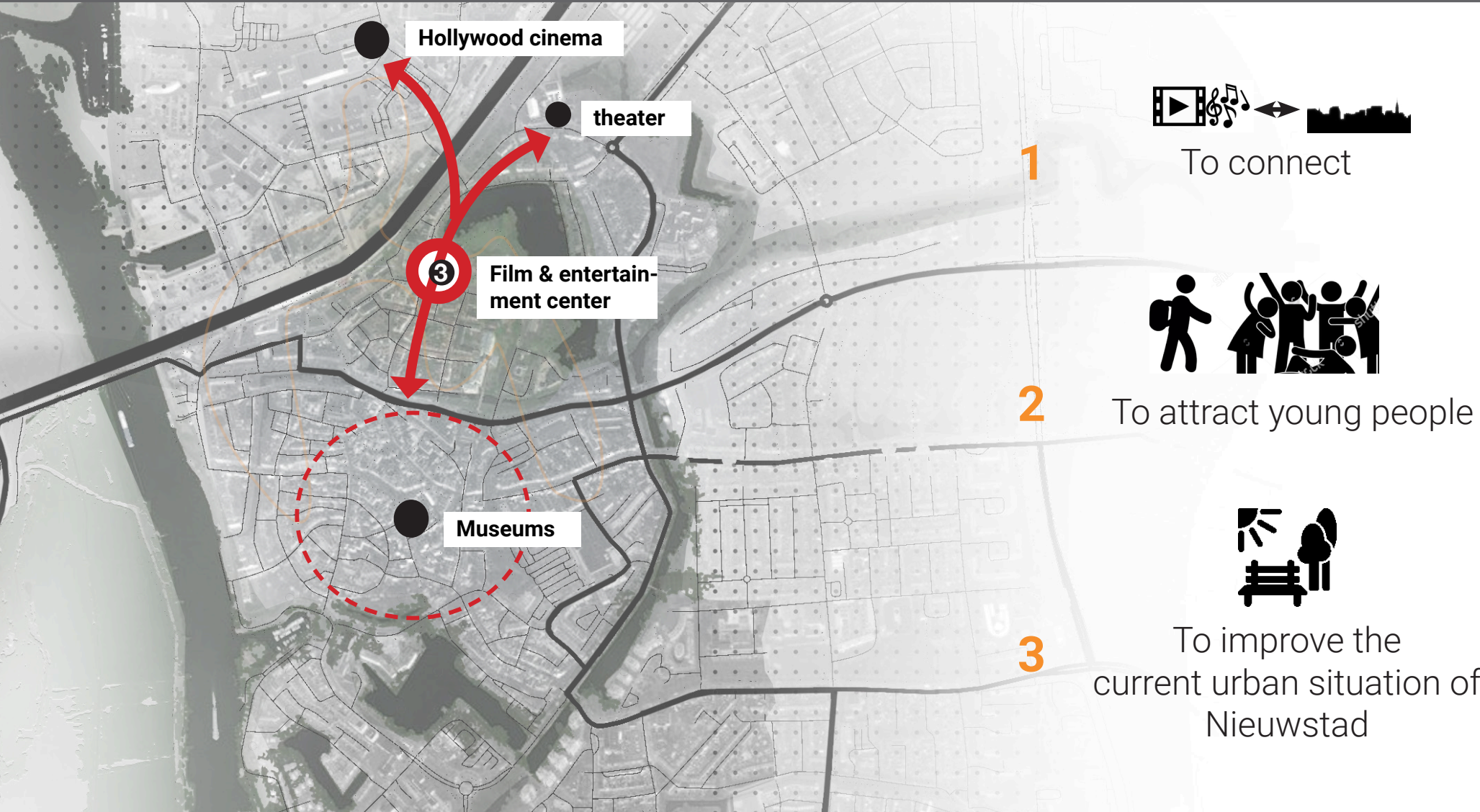




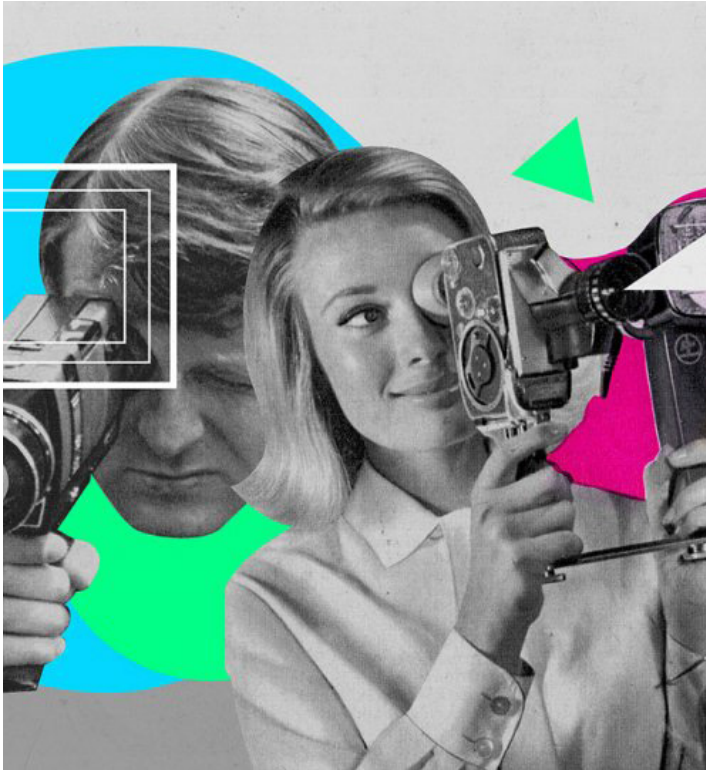
PROGRAM

CULTURAL NODE

TO STIMULATE AND DEVELOP FILM CULTURE



FILM & MUSIC ENTERTAINMENT CENTER



<https://www.hollywoodreporter.com/lists/best-film-schools-2015-top-828483>

FILM EDUCATION

WORKSHOPS + COURSES + STUDIOS



MUSIC ENTERTAINMENT

LIVE SHOW RESTAURANT + JAZZ MUSIC CLUB + POP HALL

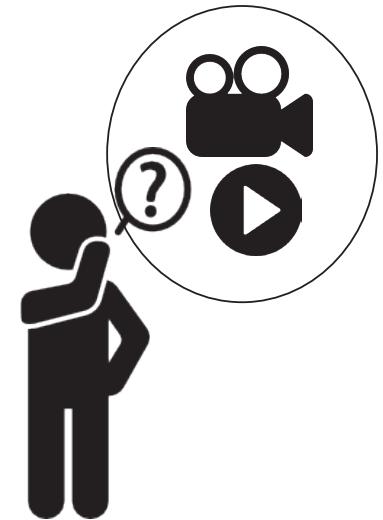
TARGET AUDIENCE



Students who wants to learn about media and making videos

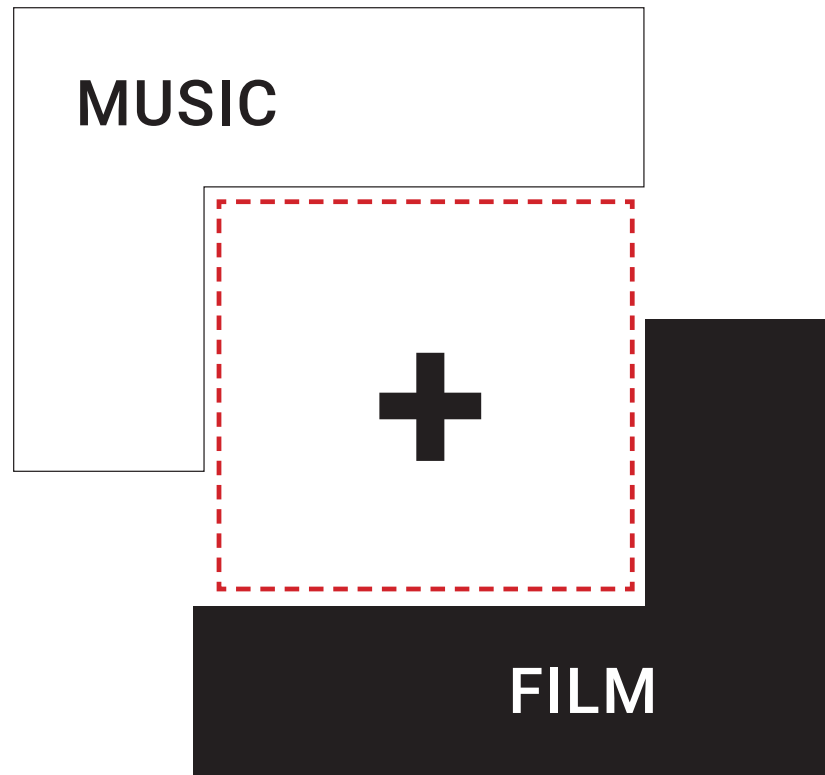


Visitors (local & tourists) to enjoy movies, live shows and visual performances



People who already can make films but don't have the tools

HOW TO REDESIGN INTO A FIM & ENTERTAINMENT CENTER?



Two different programs



BUILDING

BAUDARTIUS COMPLEX

2018



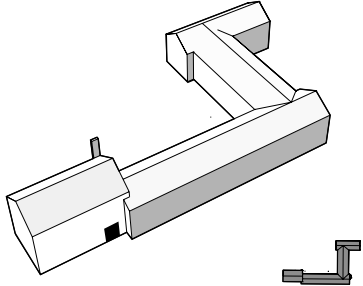
BAUDARTIUS COMPLEX

1951



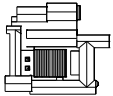
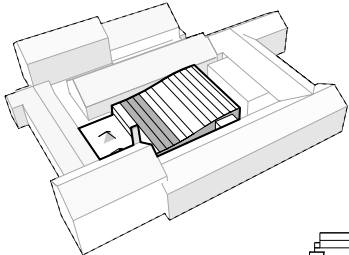
BAUDARTIUS COMPLEX

EXTENSIONS



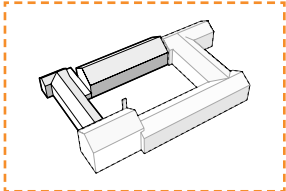
School building 1951

1951 - 2000

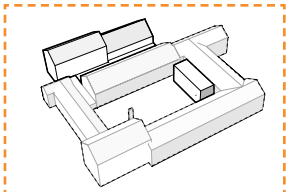


Addition in 2000

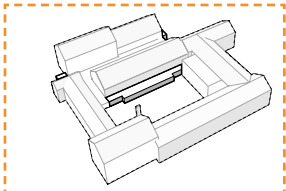
1955



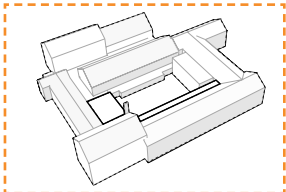
1964



1966



1974



Addition in 2000

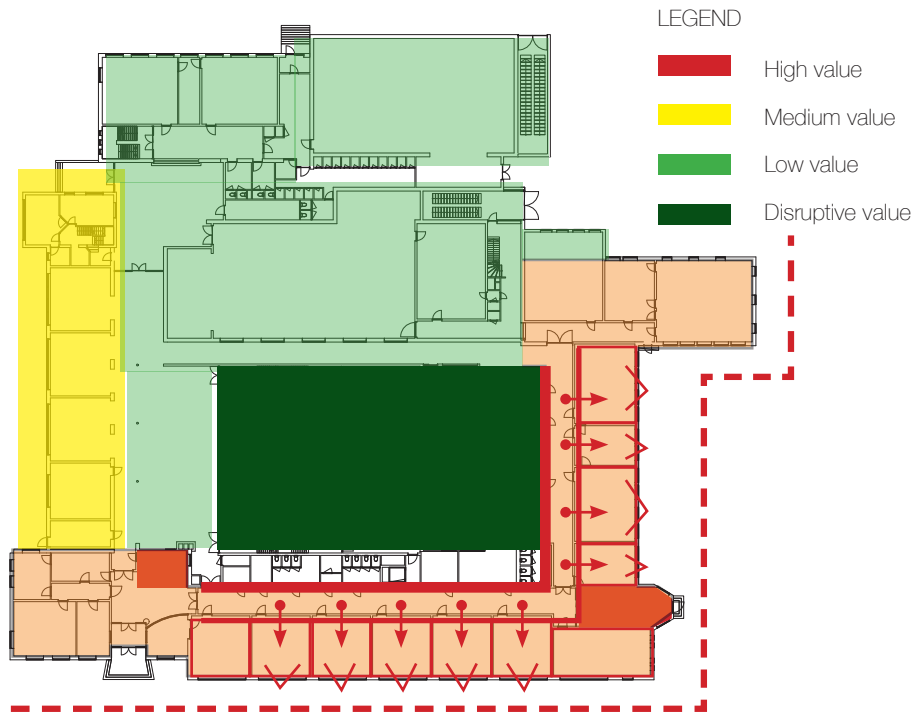
[<http://www.regionaalarchiefzutphen.nl/beeld/detail?q=isendoornstraat&page=62&asset=3578e-d9a-0581-788d-6b52-af6c142dc832>]



Addition in 2000

[<http://www.regionaalarchiefzutphen.nl/beeld/detail?q=isendoornstraat&page=62&asset=3578e-d9a-0581-788d-6b52-af6c142dc832>]

VALUE ASSESSMENT



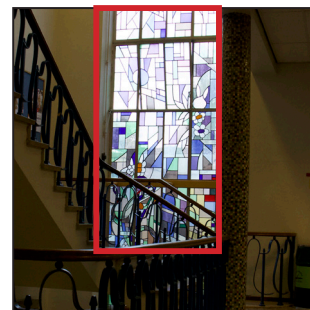
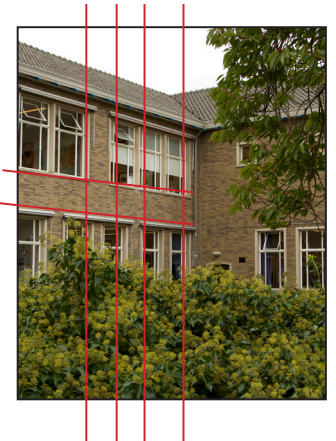
VALUES (in floorplan)



Tradition corridor-school, post-war architecture



Expression in the facade, concrete frame, rythm



Stairs, stained glass (memorial) daylight

BAUDARTIUS COMPLEX

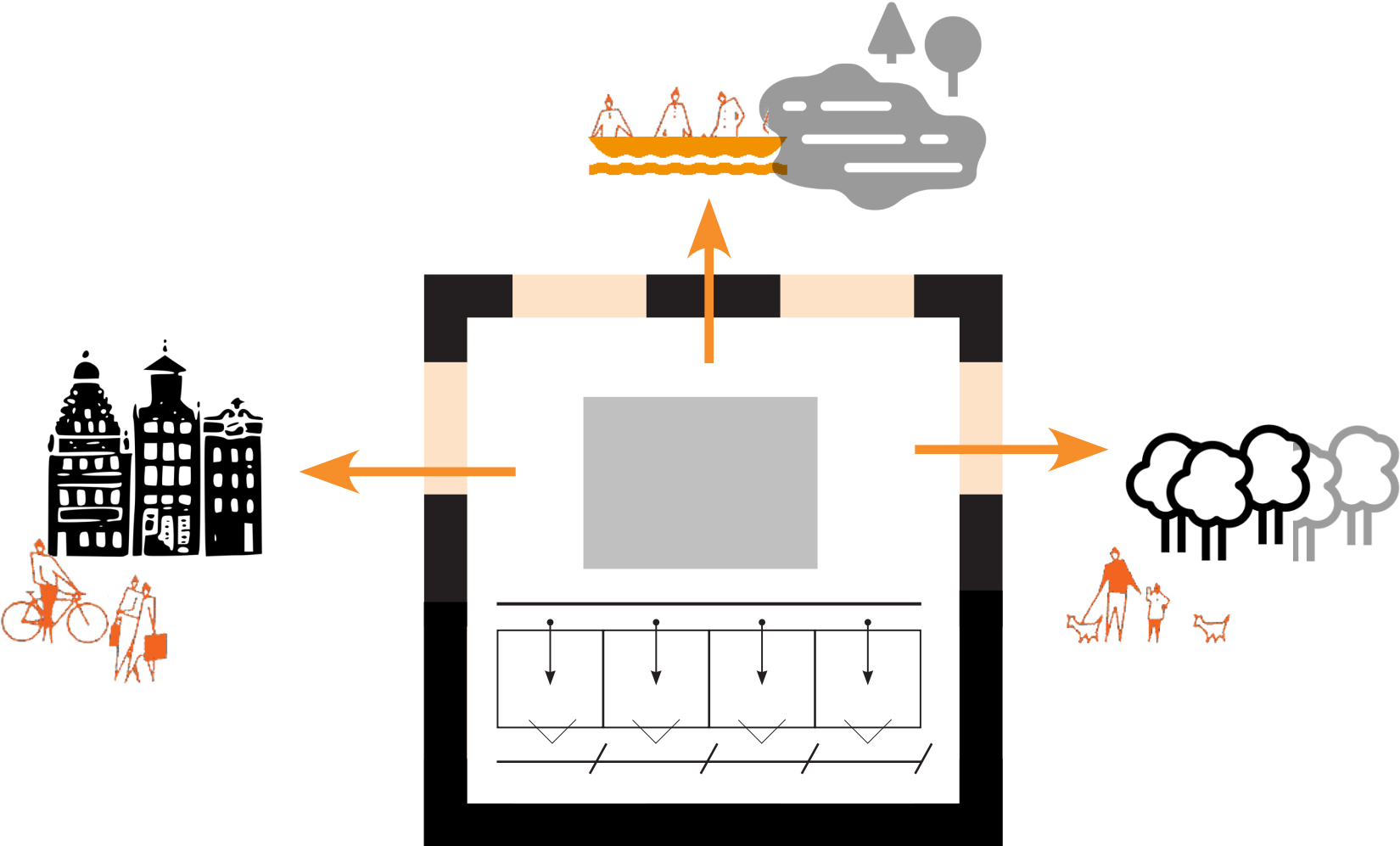
EXPERIENCE & ATMOSPHERE



<https://www.cjp.nl/kortingen/merk/lantarenvenster/>

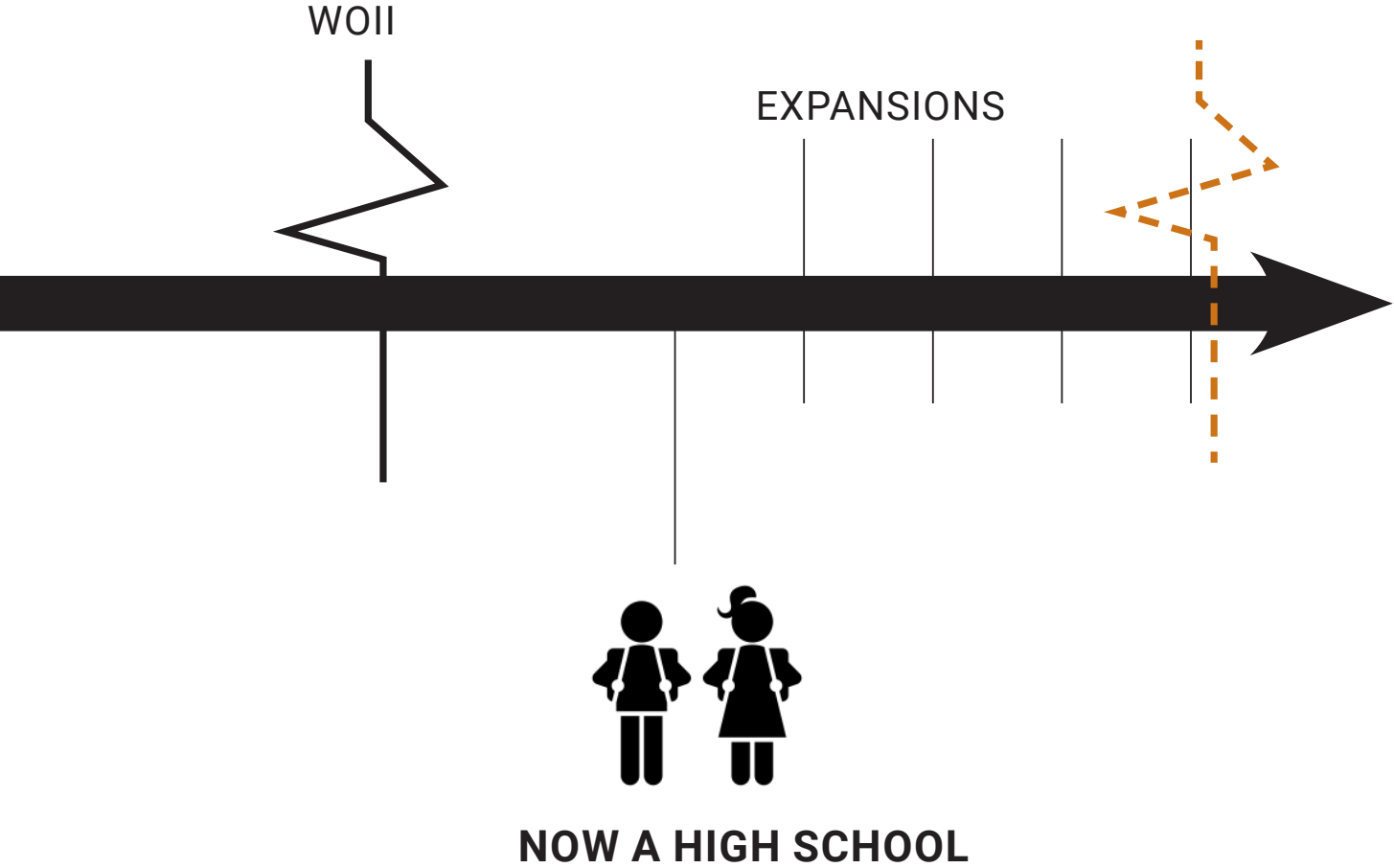
BAUDARTIUS COMPLEX

OPPORTUNITIES

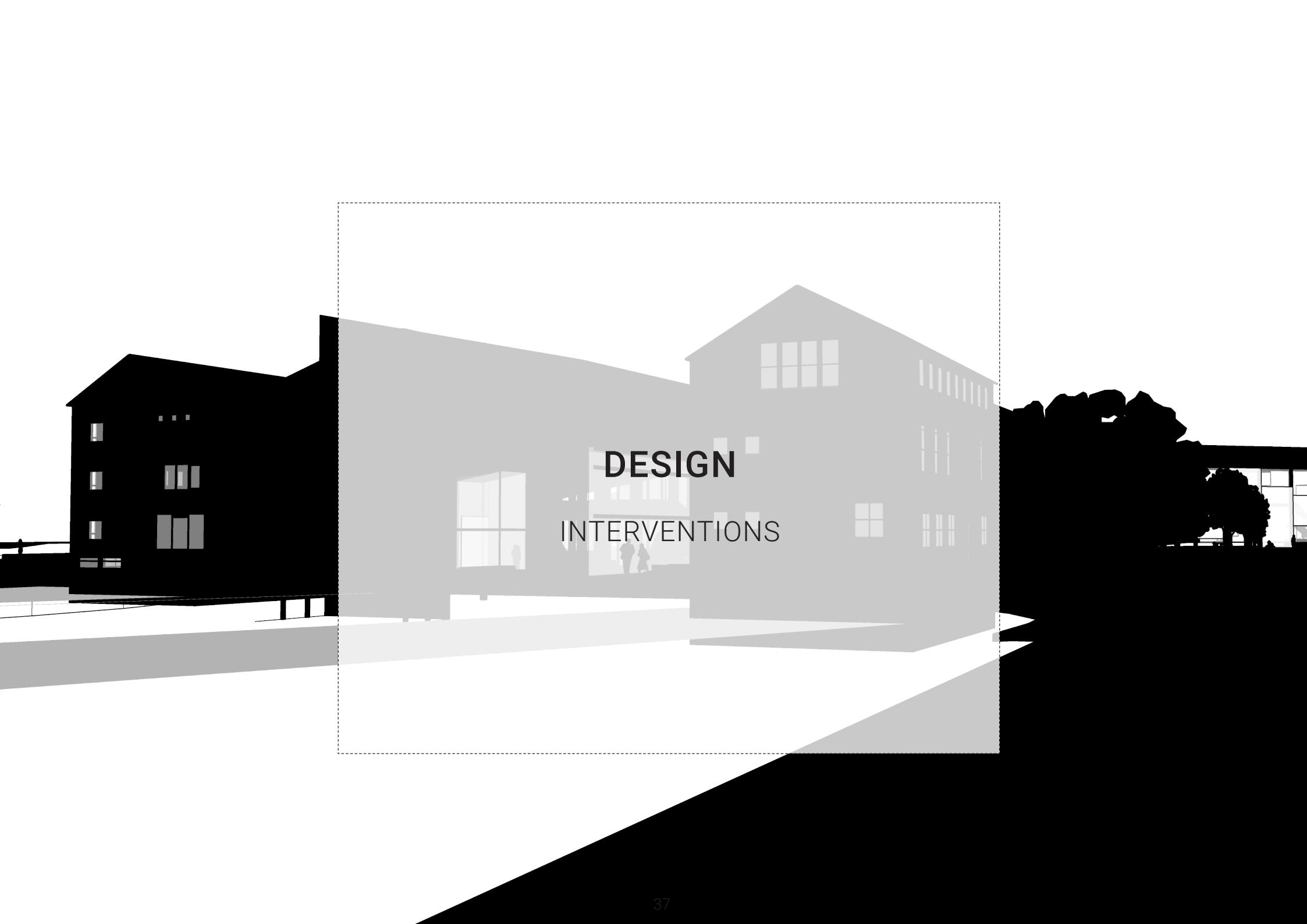


VISION HERITAGE

FORMER AND THE NEXT

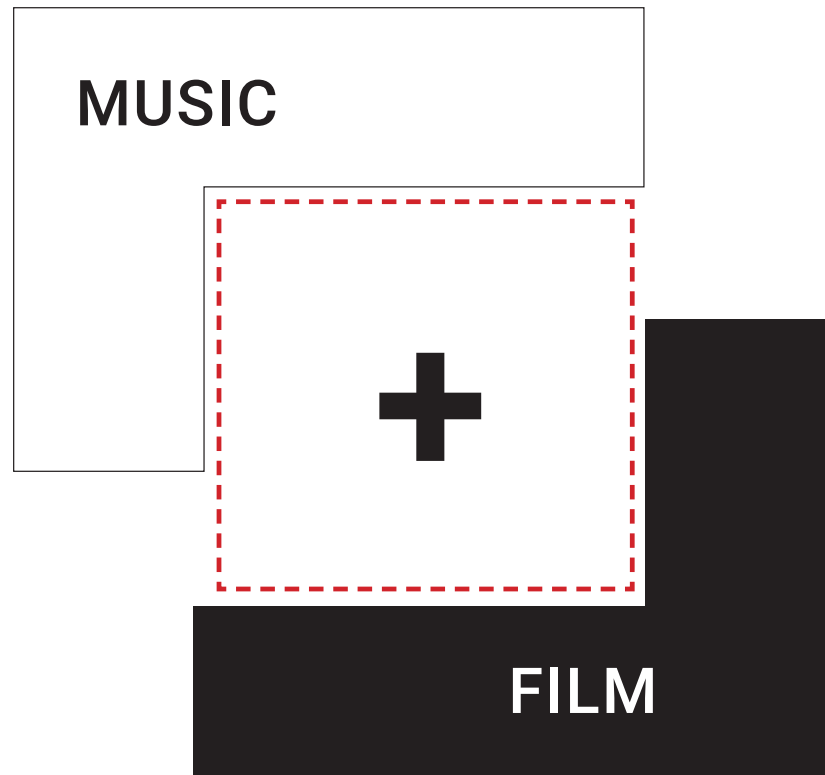


**THE FUTURE
BAUDARTIUS**



DESIGN
INTERVENTIONS

HOW TO REDESIGN INTO A FIM & ENTERTAINMENT CENTER?



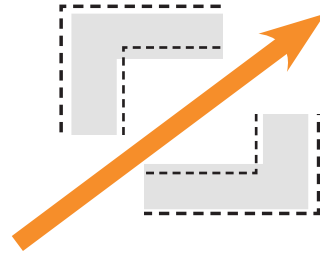
Two different programs

STARTING POINTS

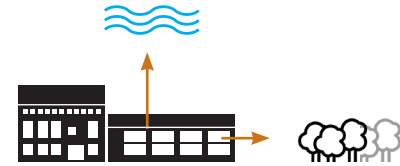
OBLIGATIONS & AIM



create a new city face/
outlook



Break open the **courtyard**



Strengthen the **relationship**
between
the building and the
Grote Gracht lake & the Vogel-
park

STARTING POINTS

OBLIGATIONS & AIM



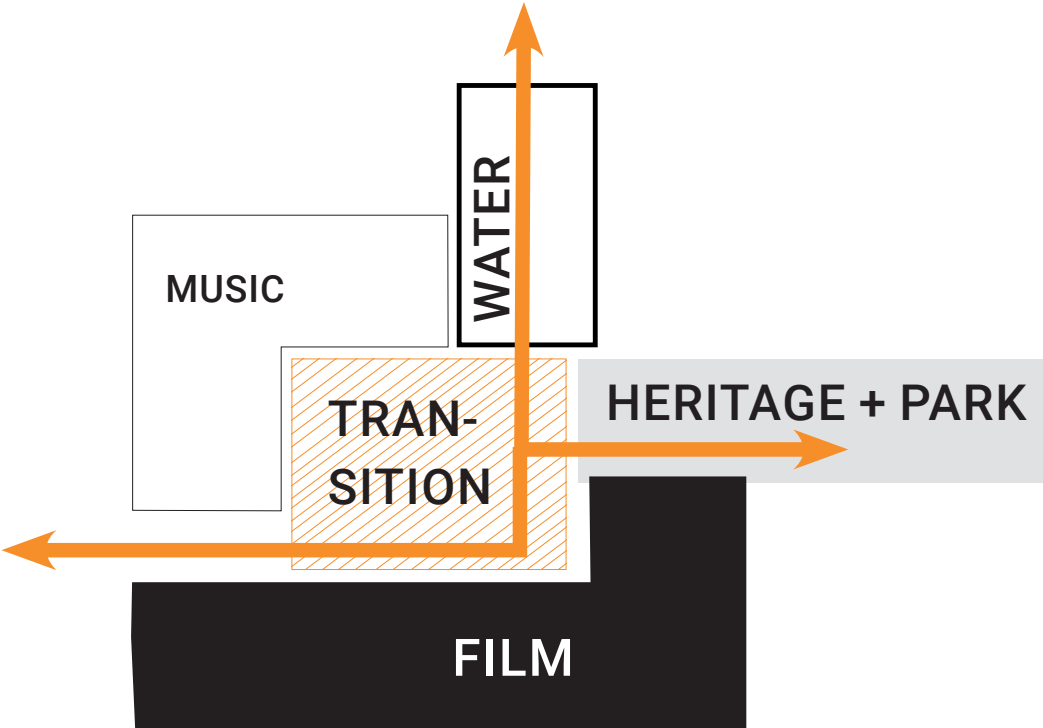
Improve the **visibility** of
the building



Emphasize the
architectural language
and the **characteristics**
of the 1951 building

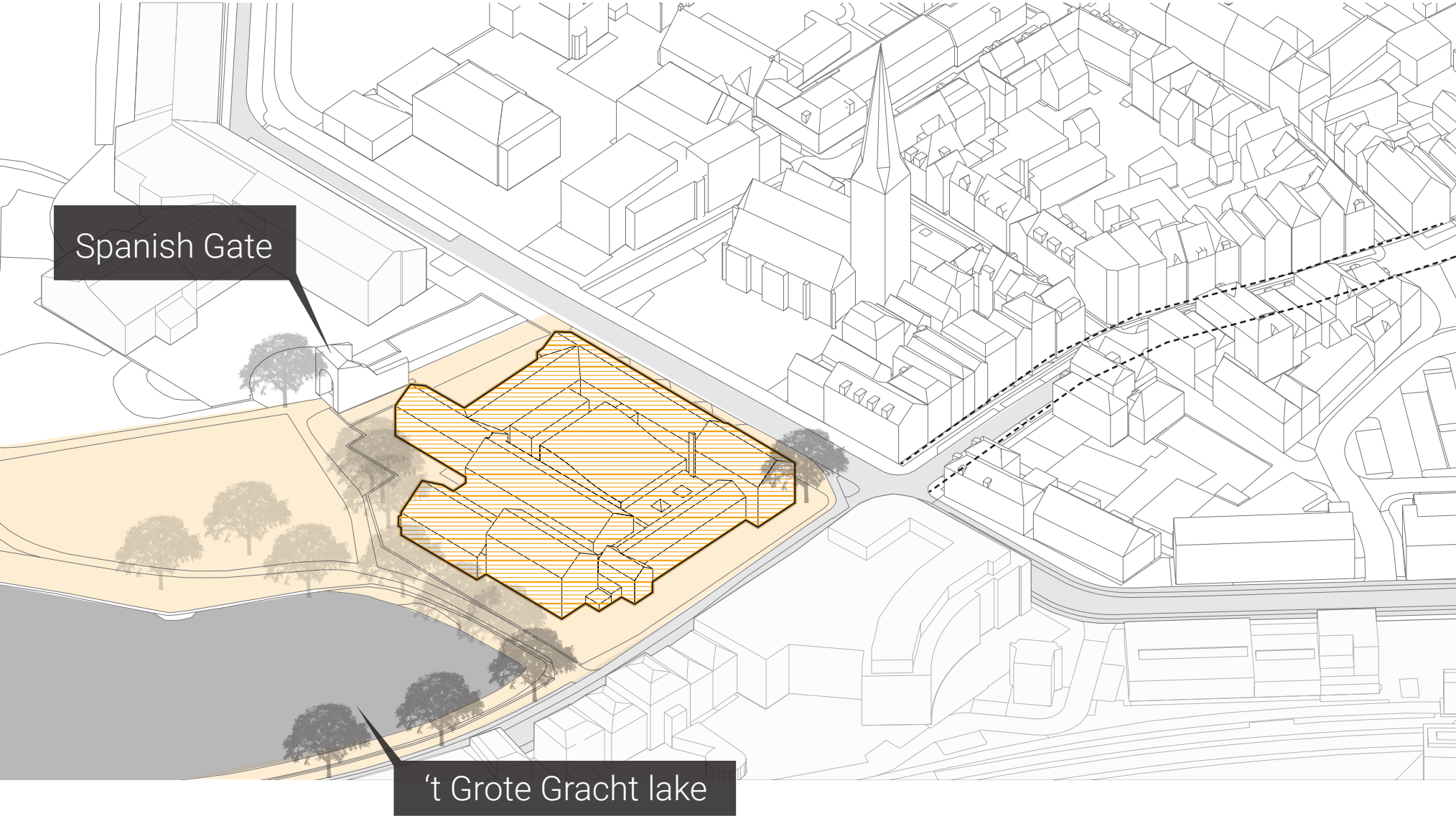
CONCEPT

RELATIONSHIP BUILDING AND ITS SURROUNDINGS



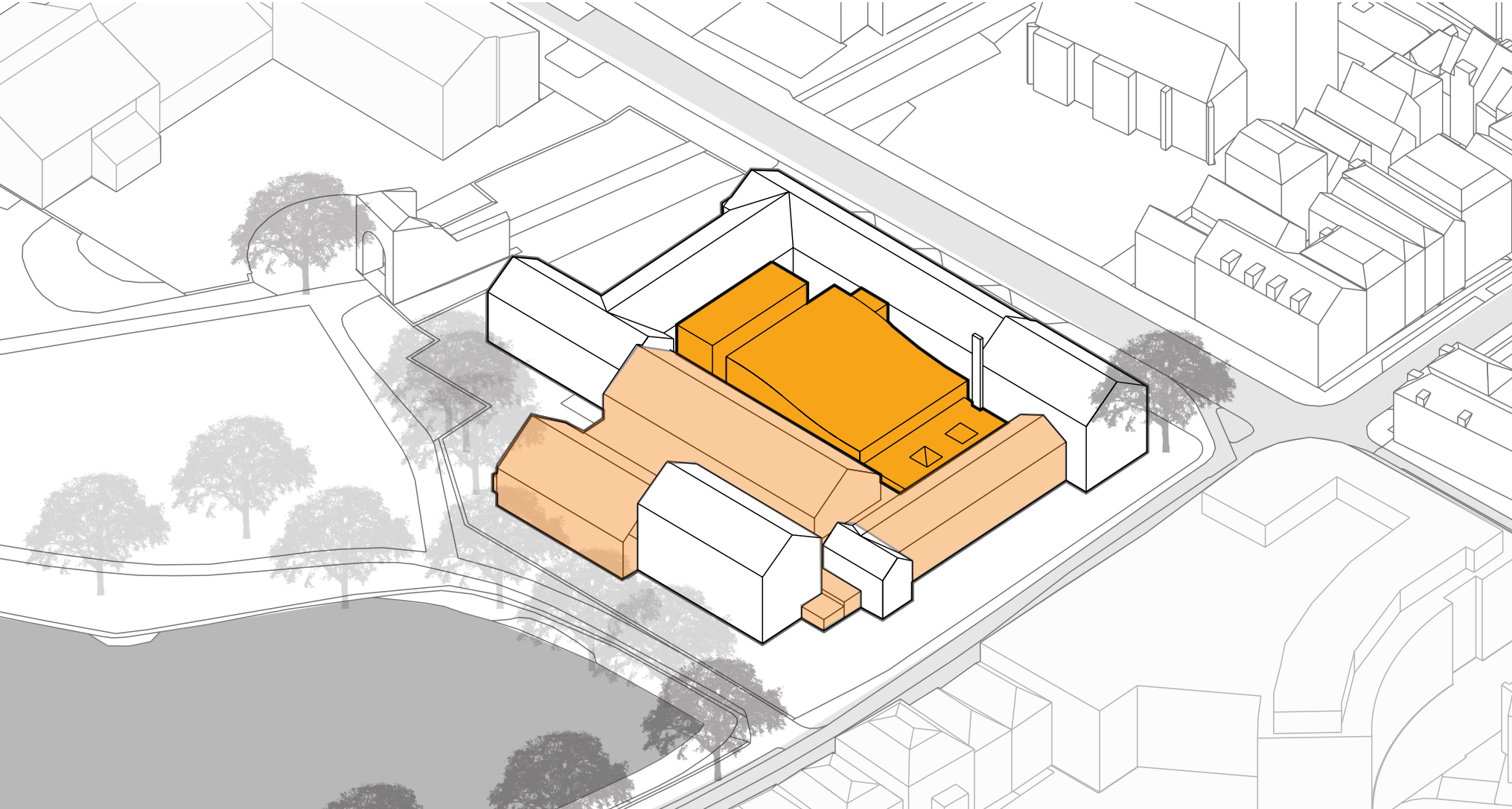
BUILDING ENVELOPE

SPACE OF INTERVENTION



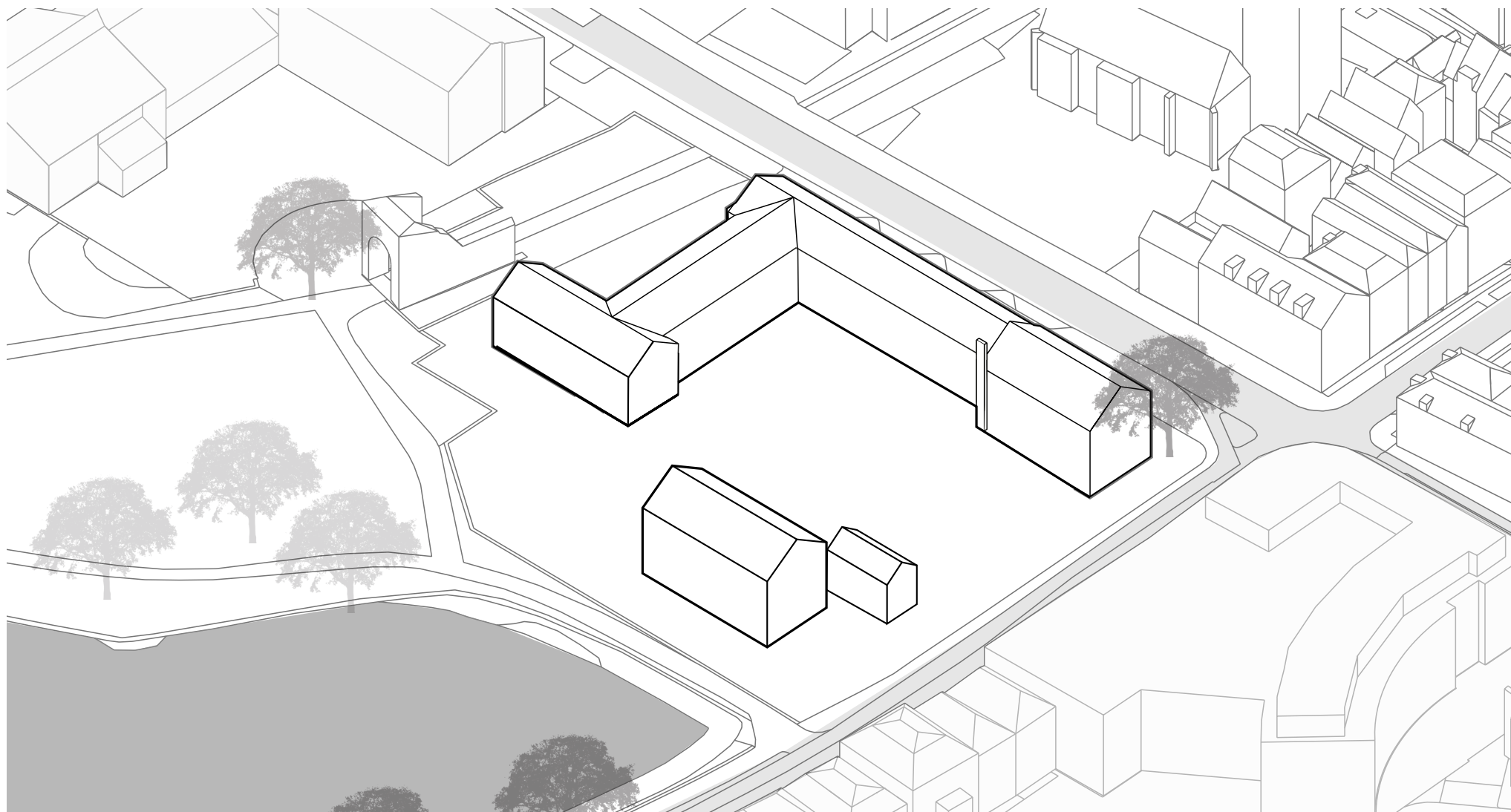
COURTYARD

BRING BACK THE QUALITIES OF THE COURTYARD



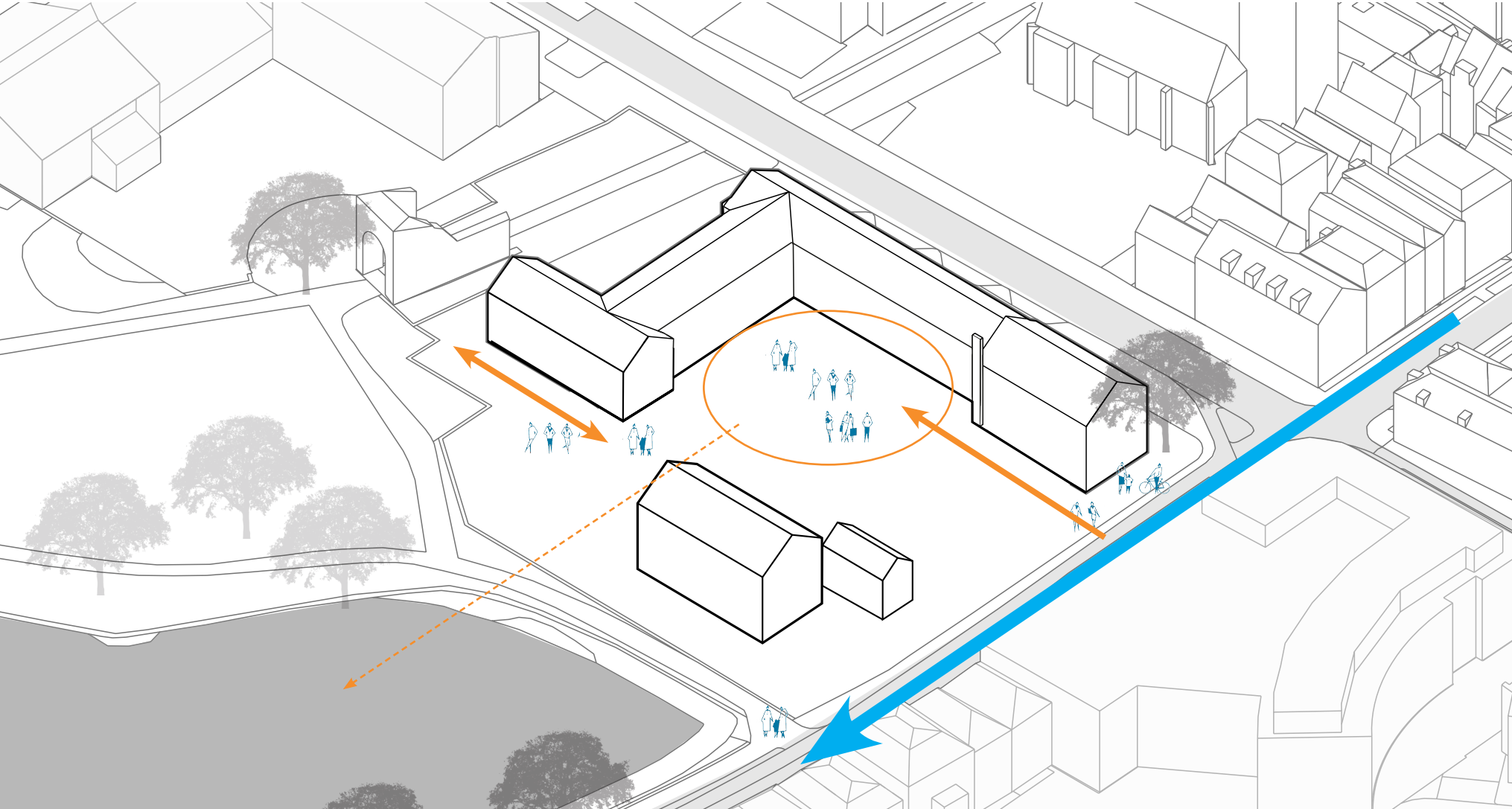
PLACING THE FILM HALLS & MUSIC CLUB

A NEW FACE TOWARDS THE CITY & THE WATER



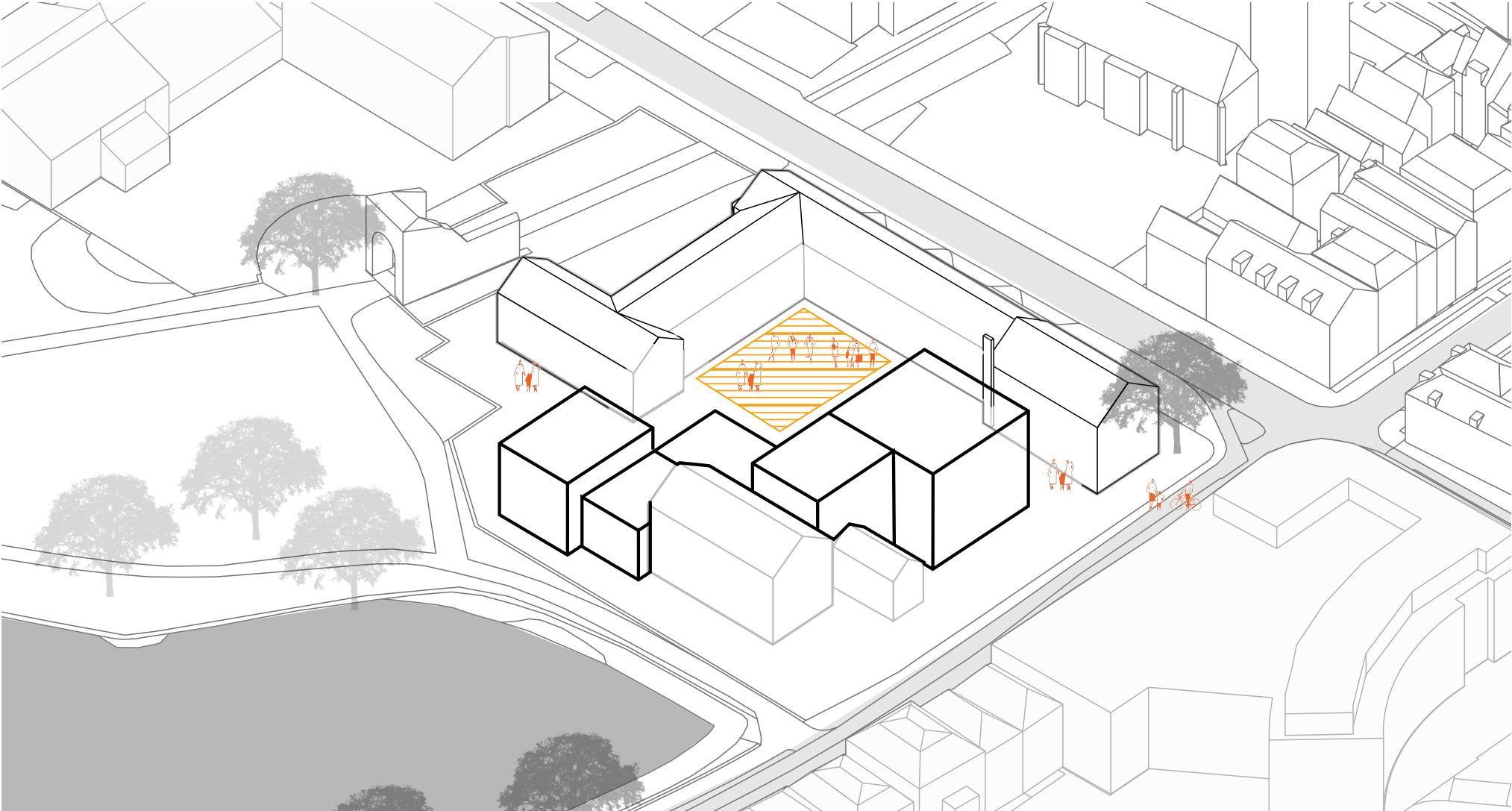
ADDING 'NEW' ROUTING & VIEW LINES

BREAKING THE COURTYARD OPEN



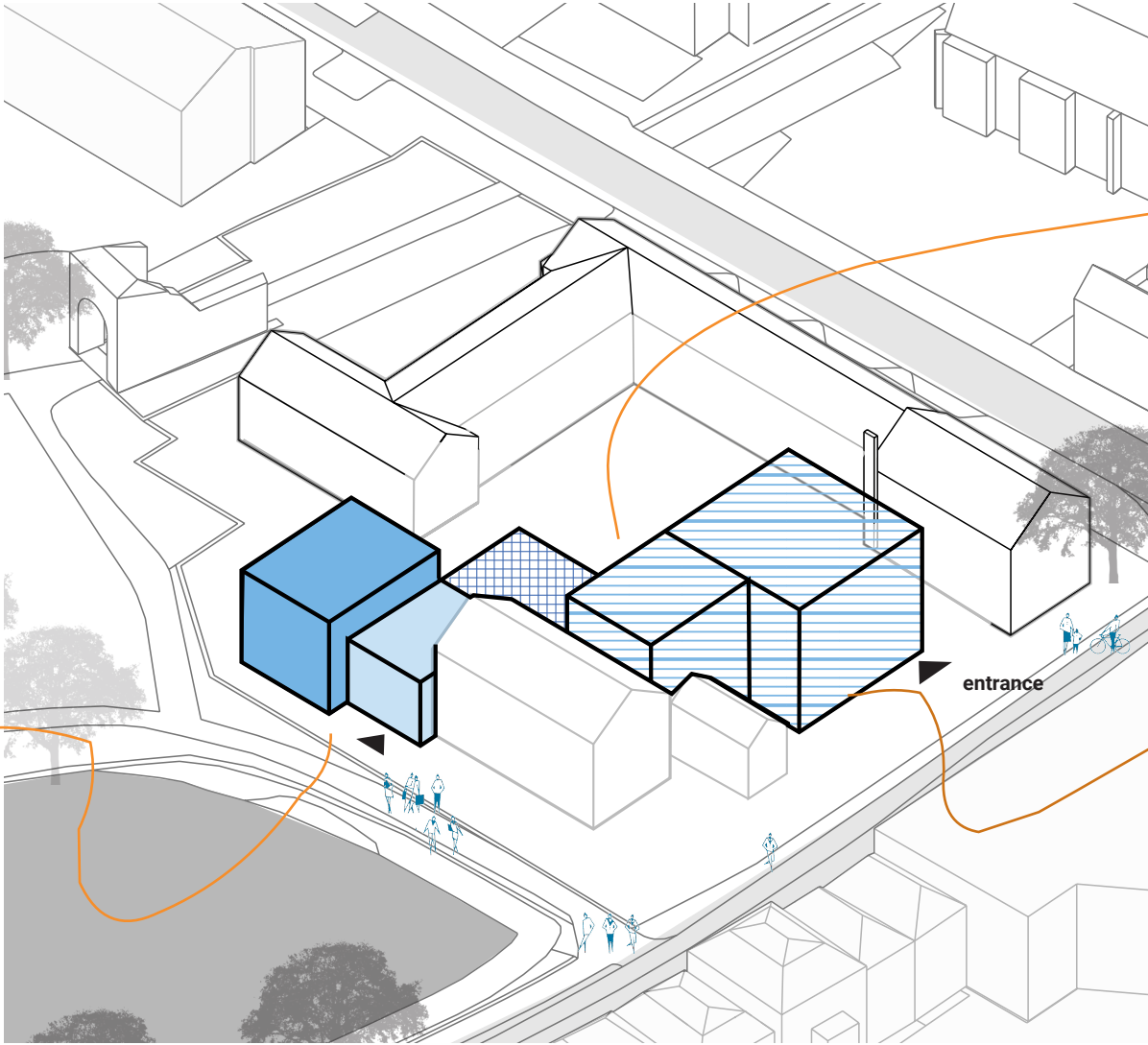
VOLUM

BREAKING THE COURTYARD OPEN



PLACING THE FILM HALLS, THE MUSIC CLUB & THE RESTAURANT

NEW VOLUMES, NEW OUTLOOK, NEW PROPORTION



Restaurant

Terrace in the courtyard

Film halls

new city face

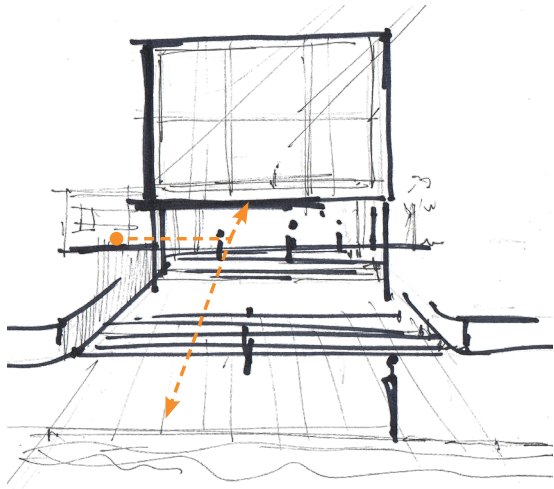
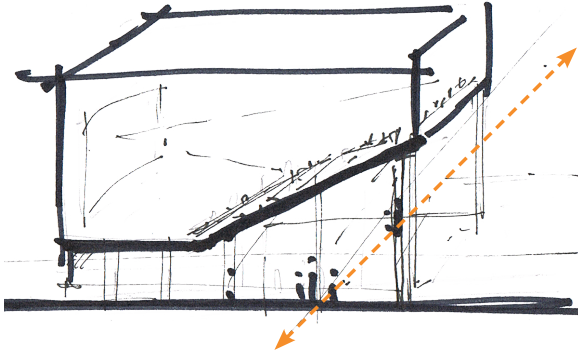
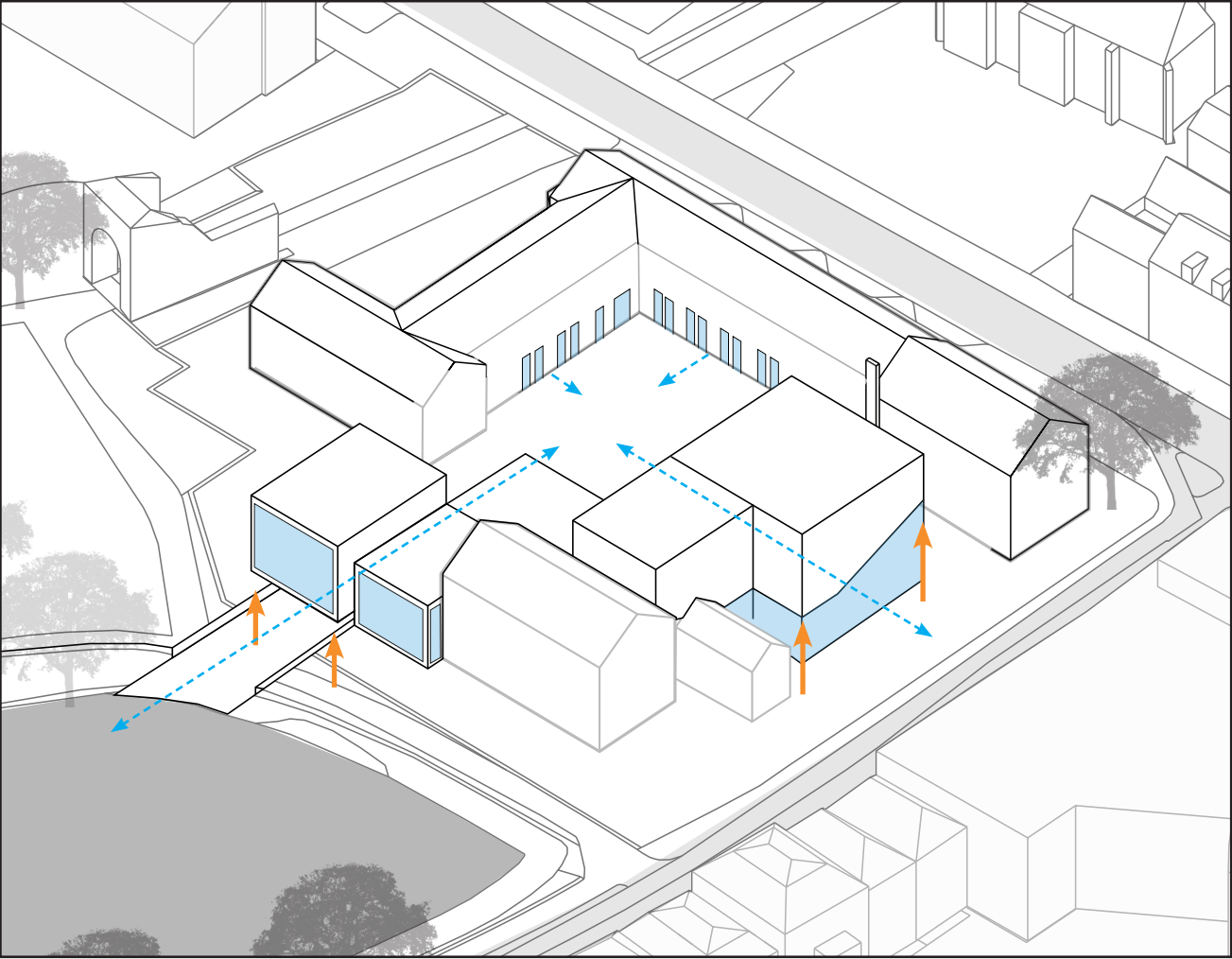
Music club

new outlook to the water



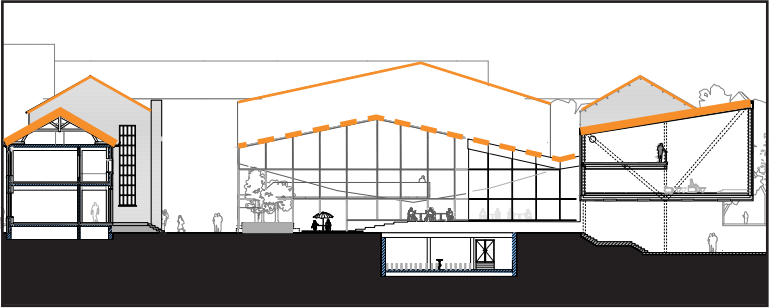
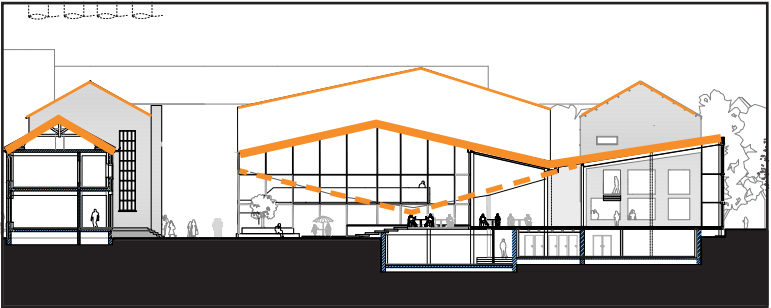
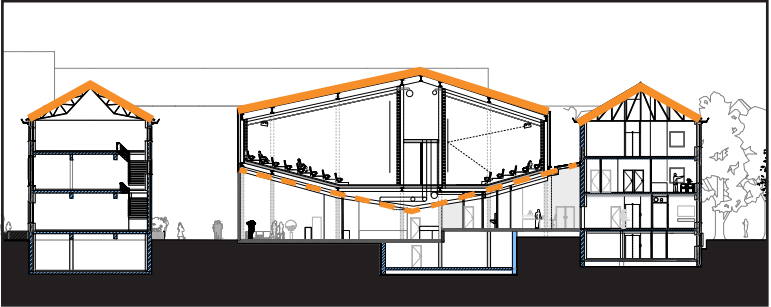
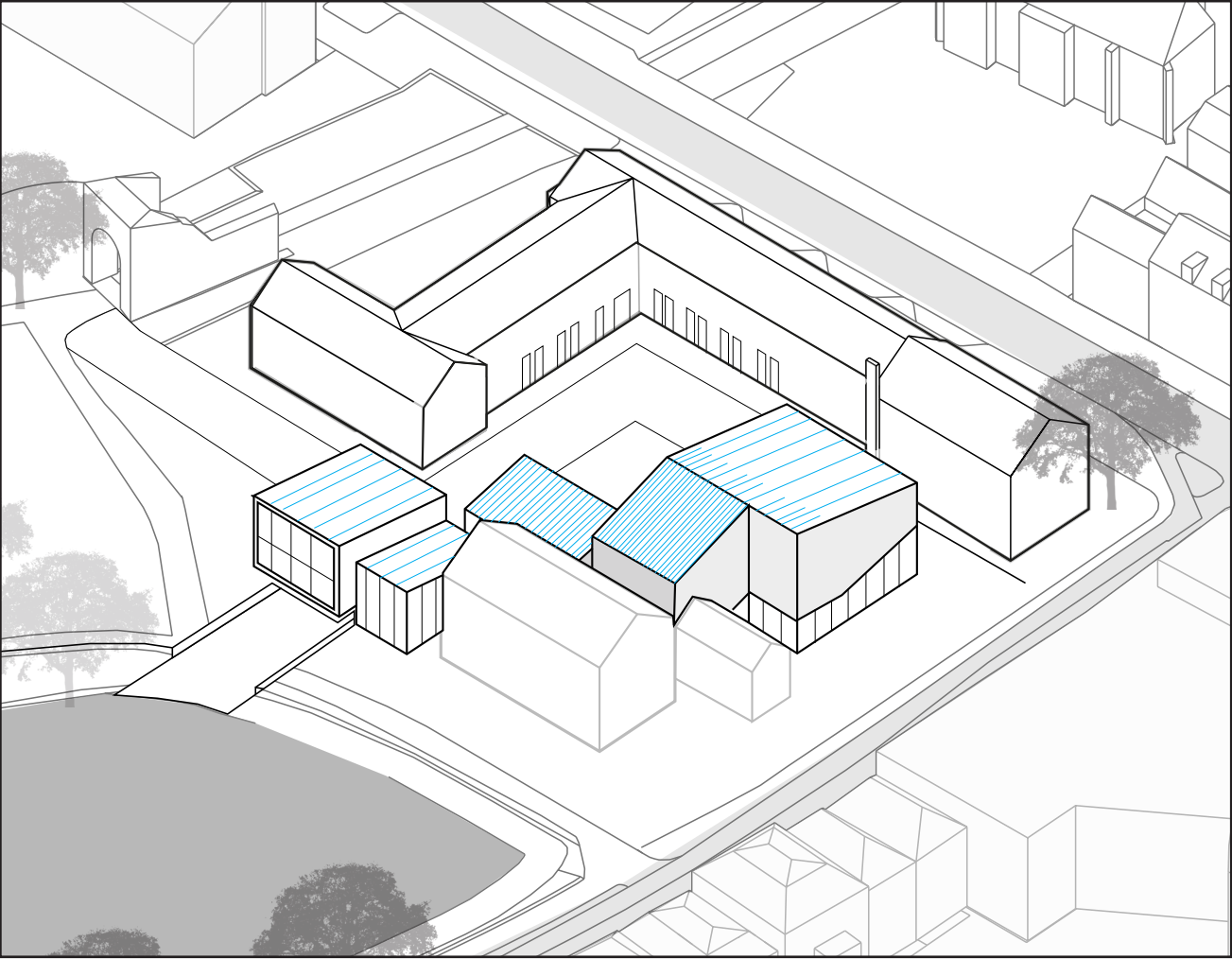
LIFTED VOLUMES

TO CREATE TRANSPARANCY AND RELATIONSHIP WITH THE SURROUNDINGS



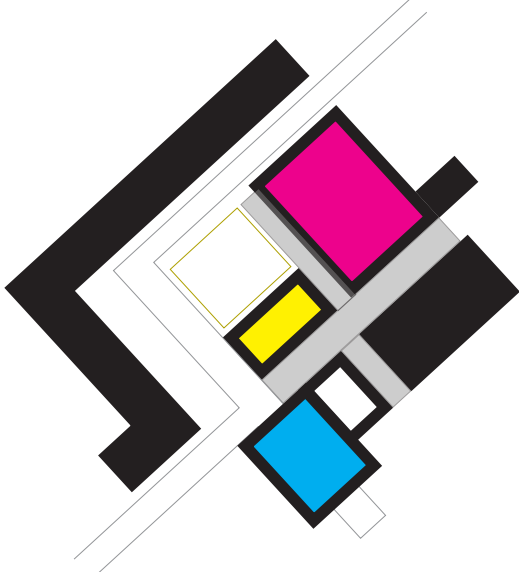
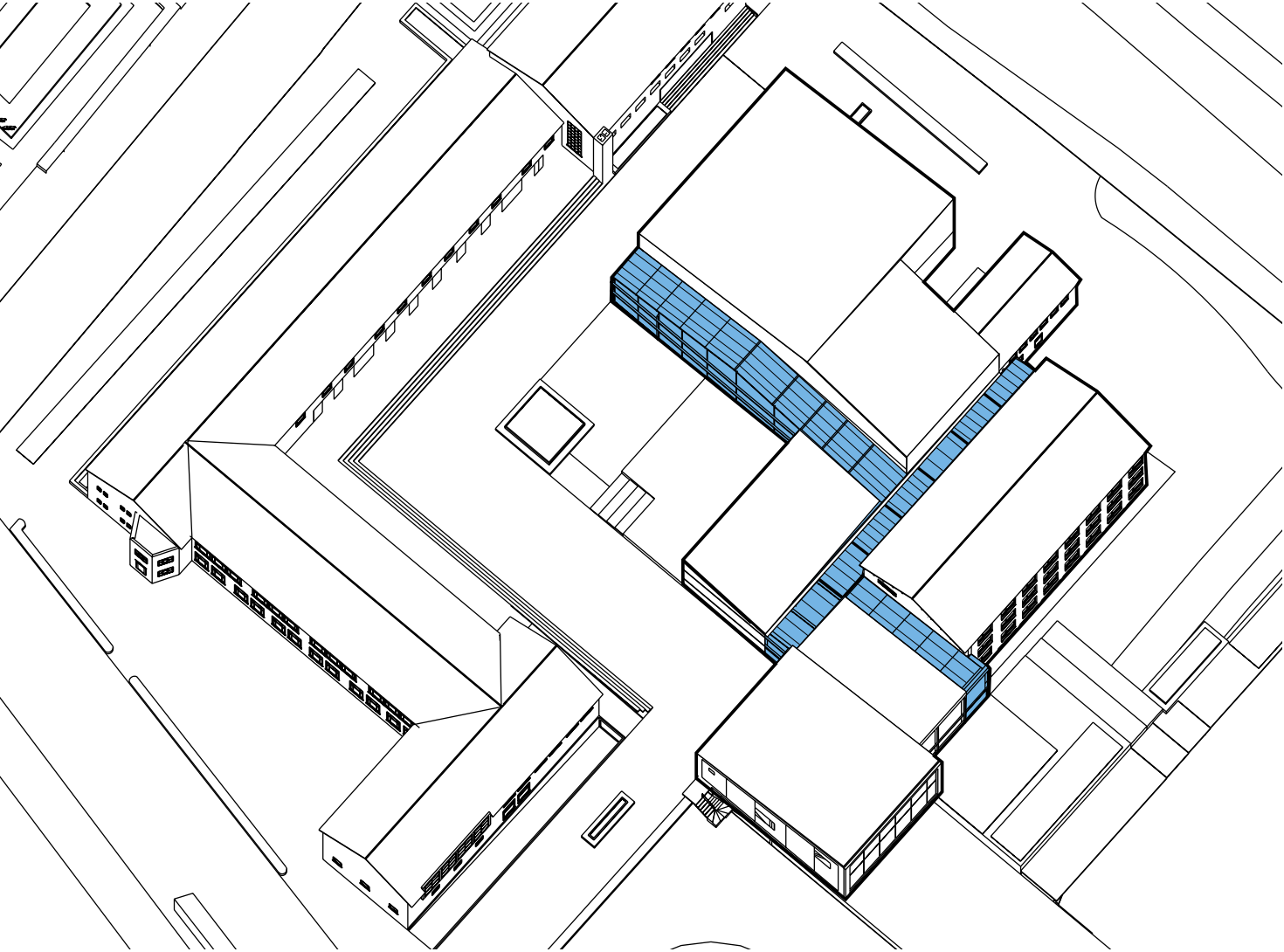
ROOF THEME

CONTINUOUS MOVEMENT & PROPORTION



INTERNAL CIRCULATION

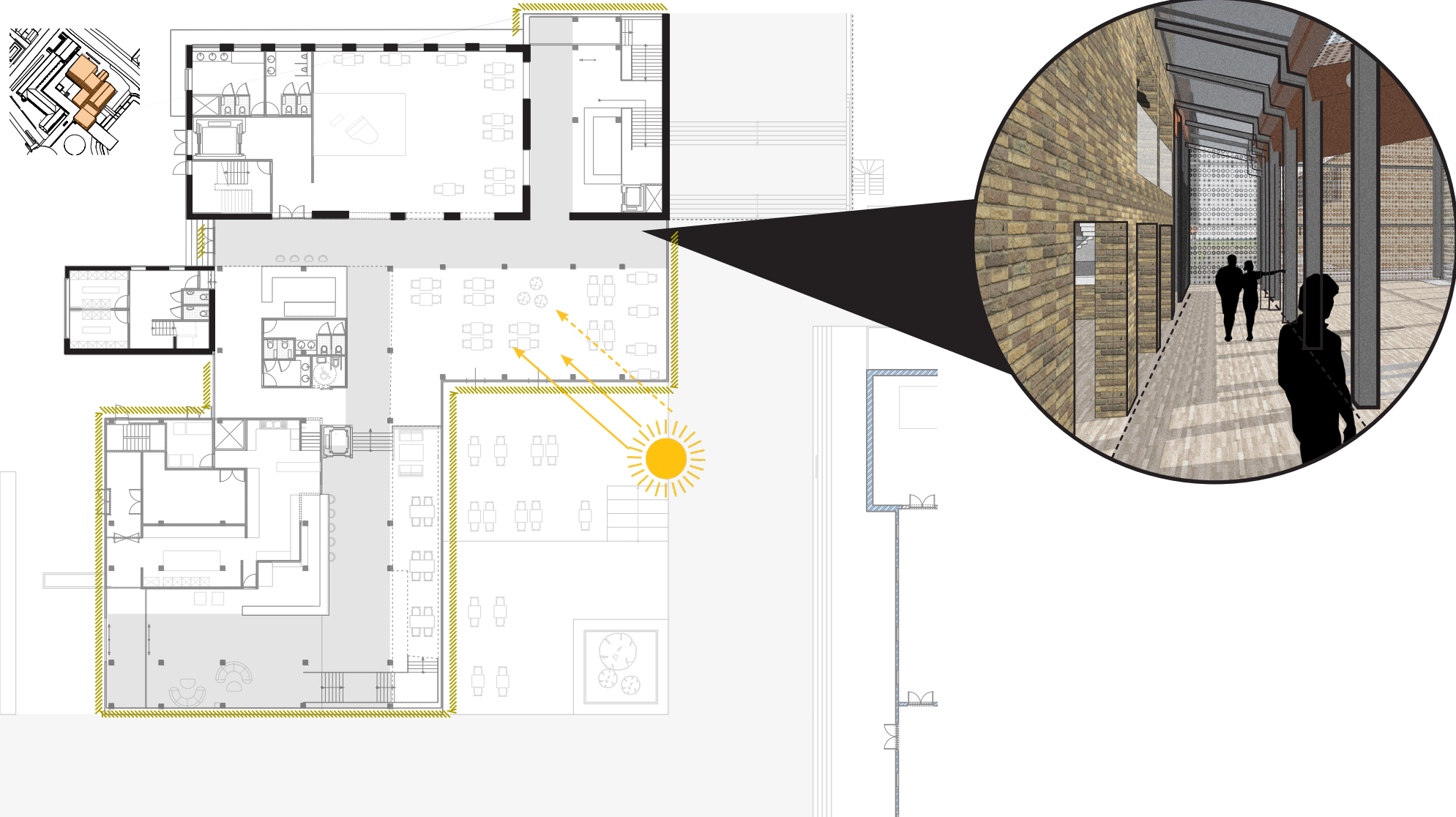
FUNCTIONS CONNECTED TO TRAFFIC SPACE



Sequence of spaces

STRUCTURE & DAYLIGHT

GUIDANCE & SEQUENCE OF SPACES

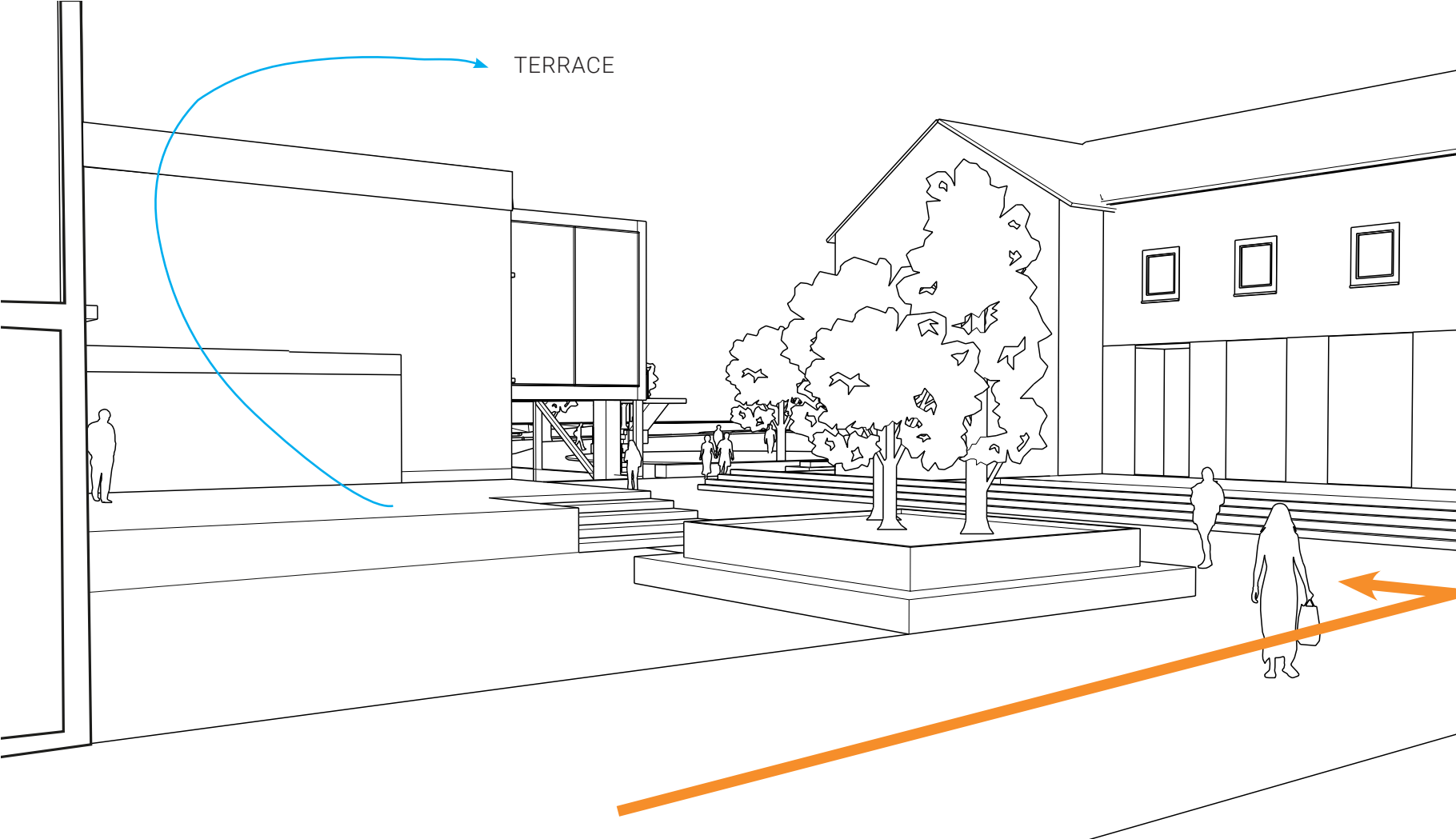


FLOOR PLAN OF THE ADDITION



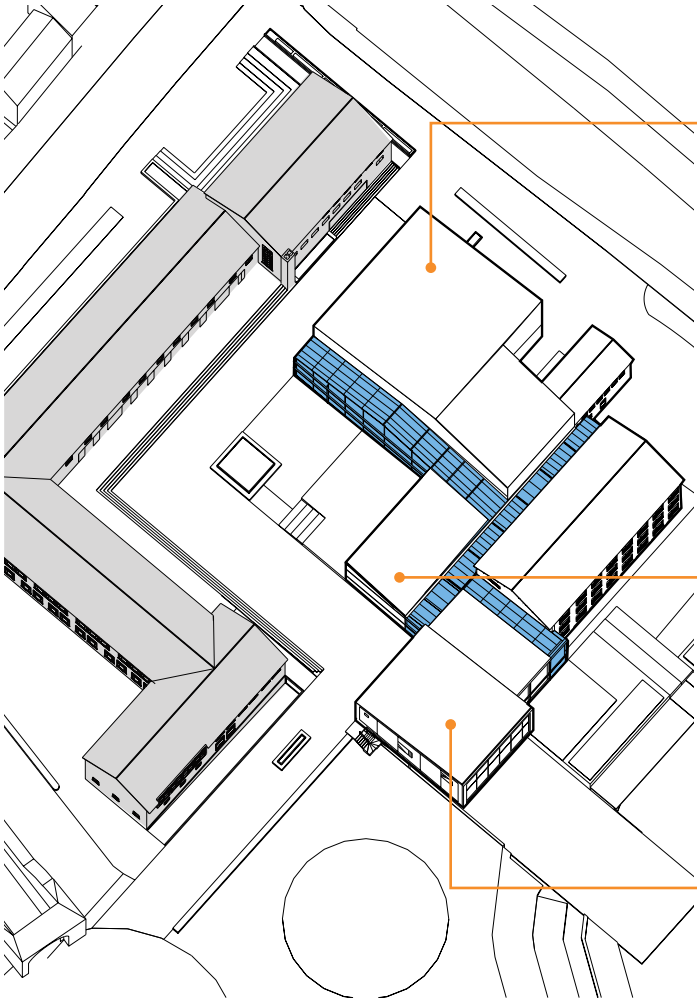
URBAN ROUTING & COURTYARD

IMPRESSION

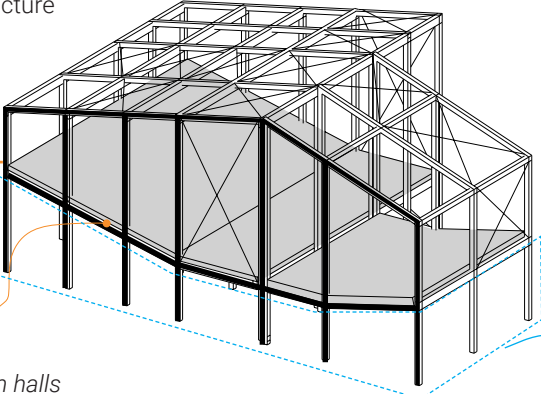


STEEL STRUCTURE

3D OVERVIEW

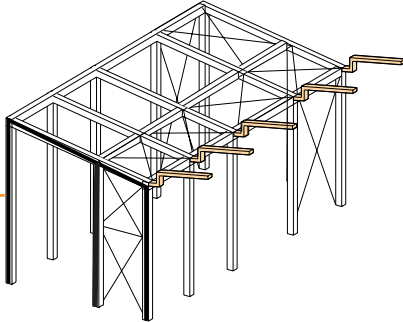


Light roof structure

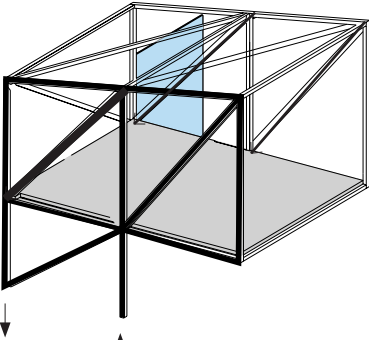


steel sheet concrete floor can form a disk as part of the stability system

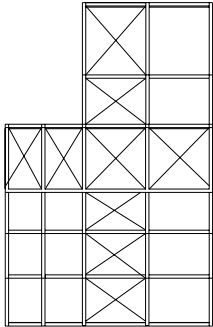
structure film halls



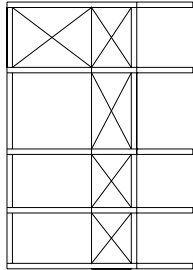
structure restaurant



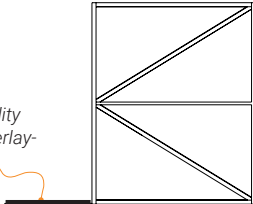
structure music club



columns on the ground floor are bending resistant, resulting in bigger columns and no bracings

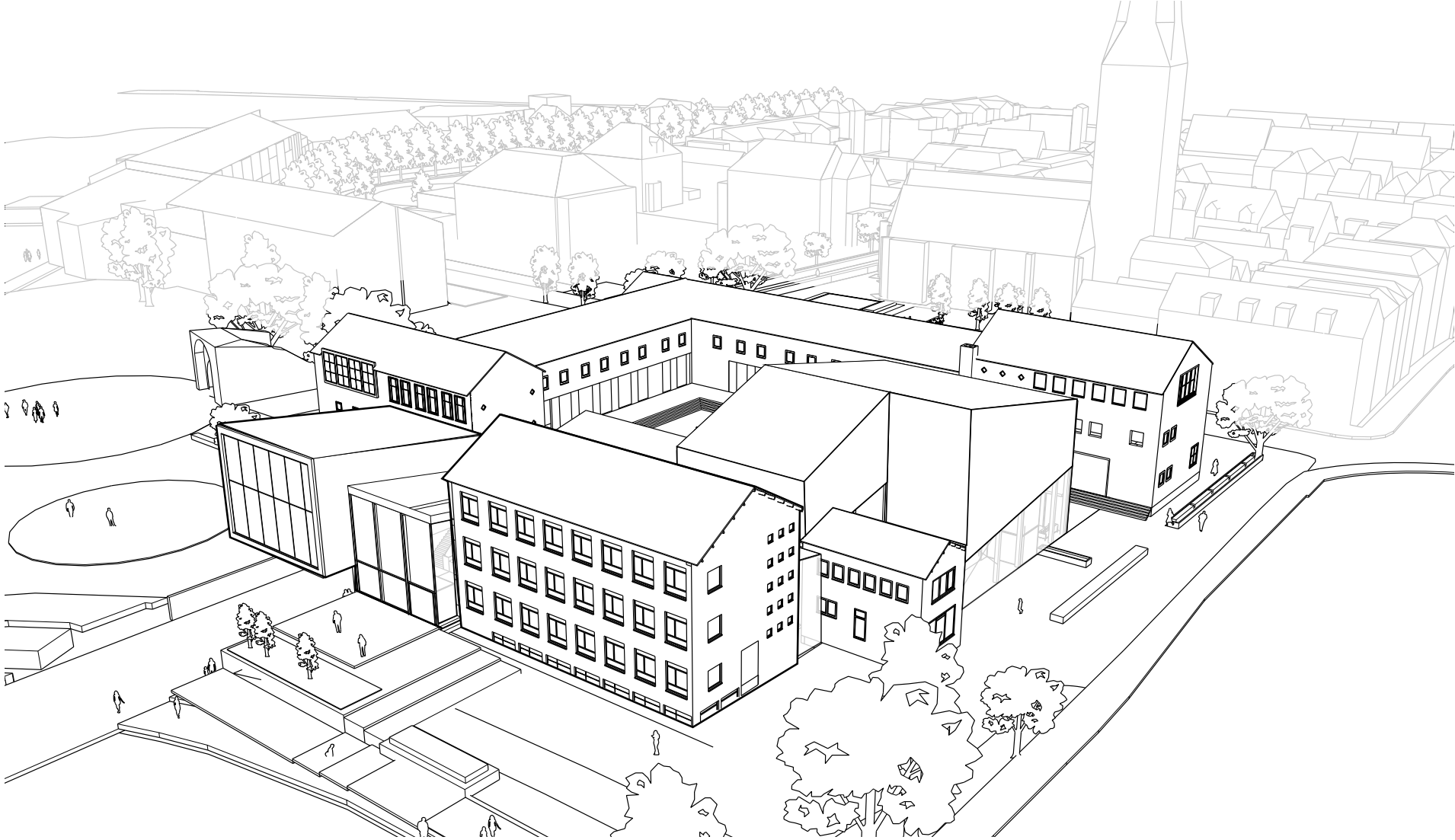


a concrete stability wall for the underlying structure



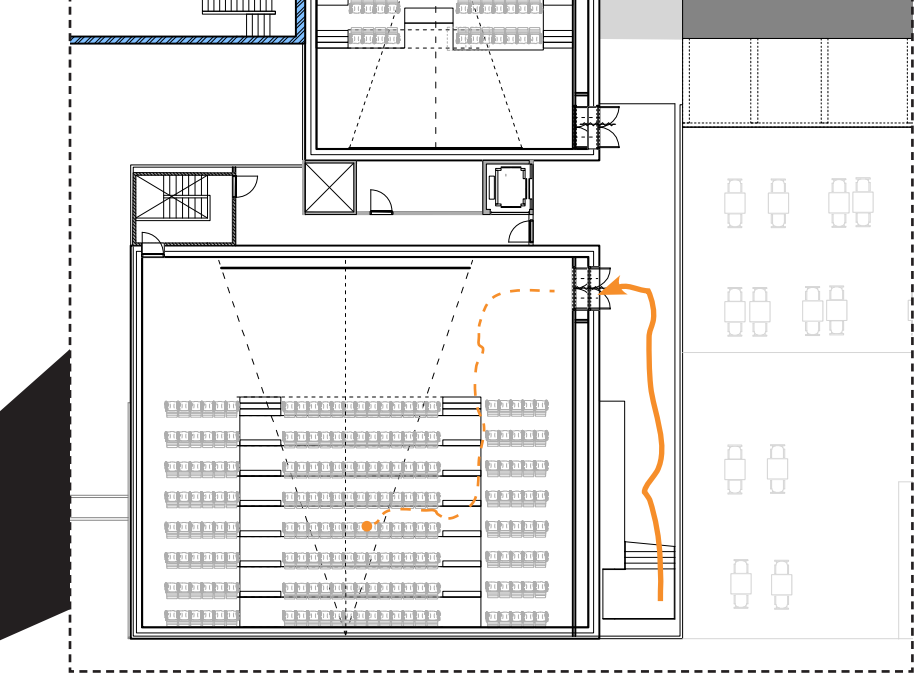
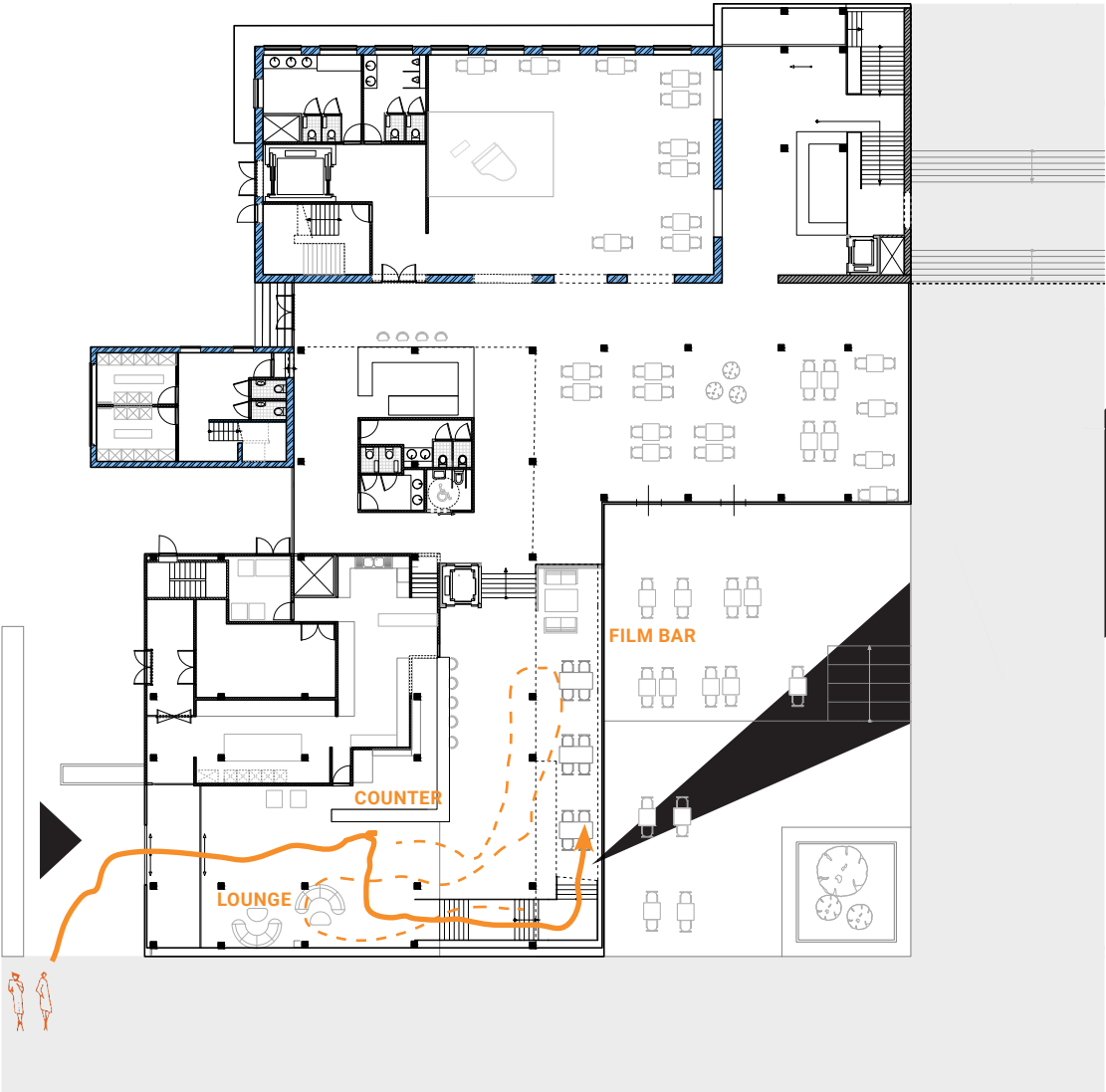
RESULT

IMPRESSION

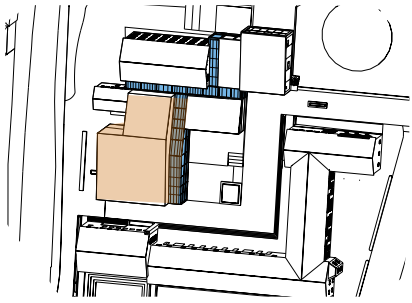


LAY-OUT

PLANNING TO WATCH A FILM



1ST FLOOR



FLOOR PLAN OF THE ADDITION



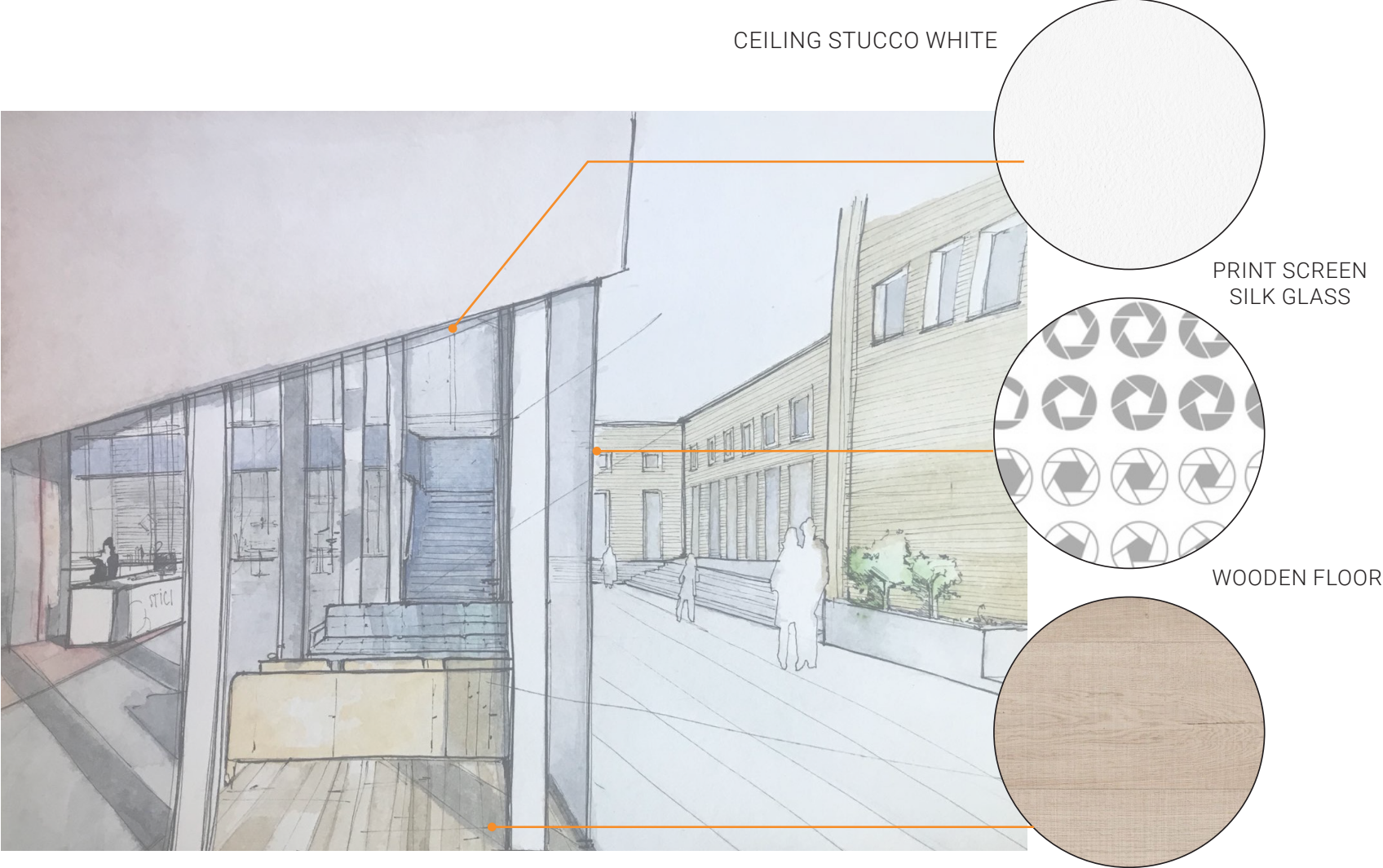
IMPRESSION

ENTERING THE BUILDING



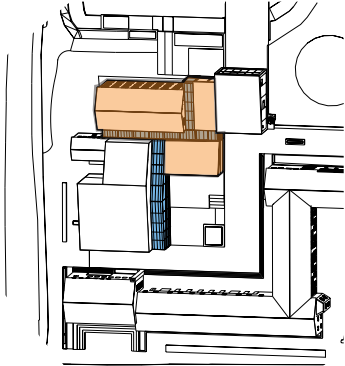
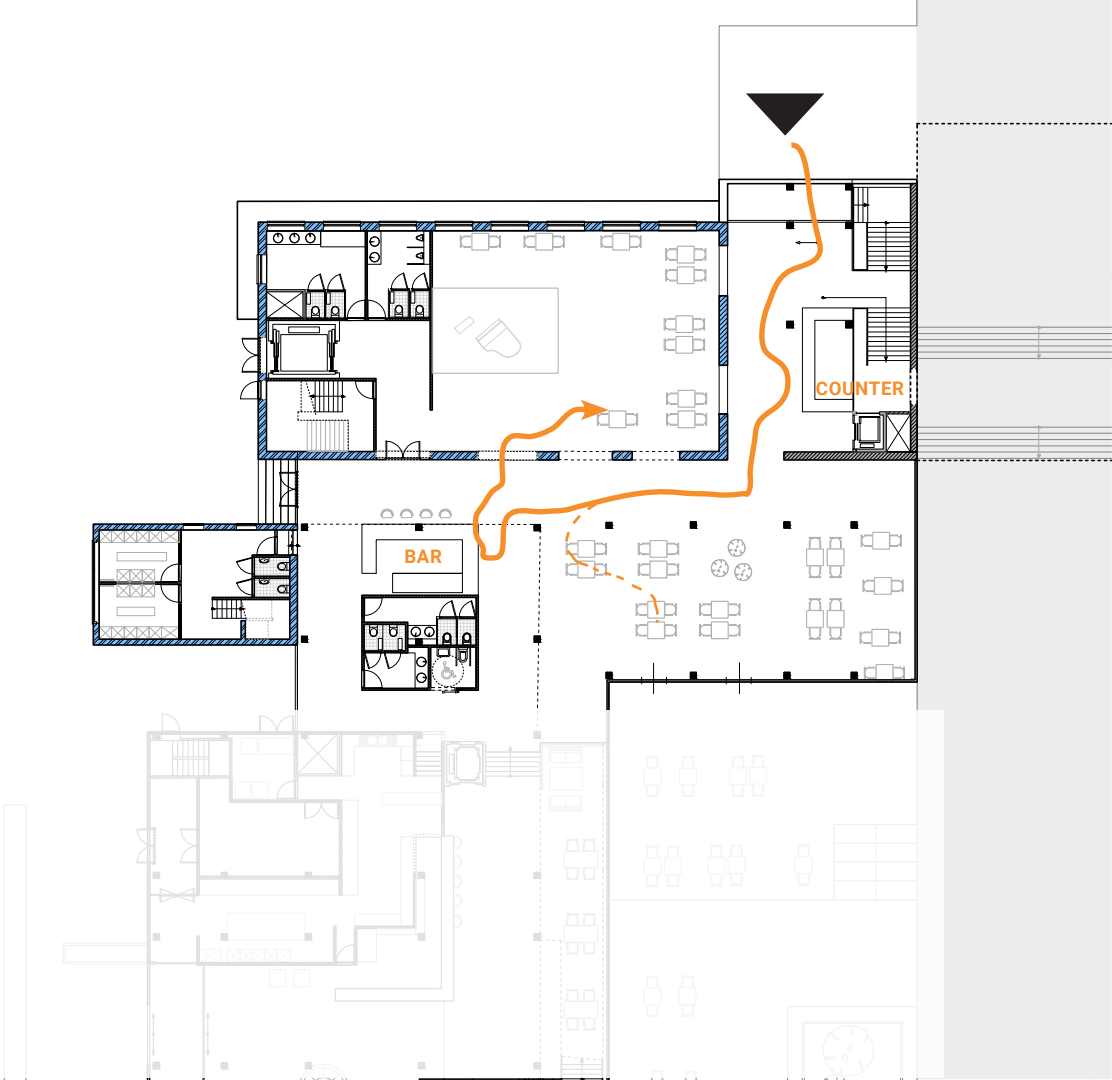
IMPRESSION

MATERIALS



LAY-OUT

EATING LUNCH OR DINNER

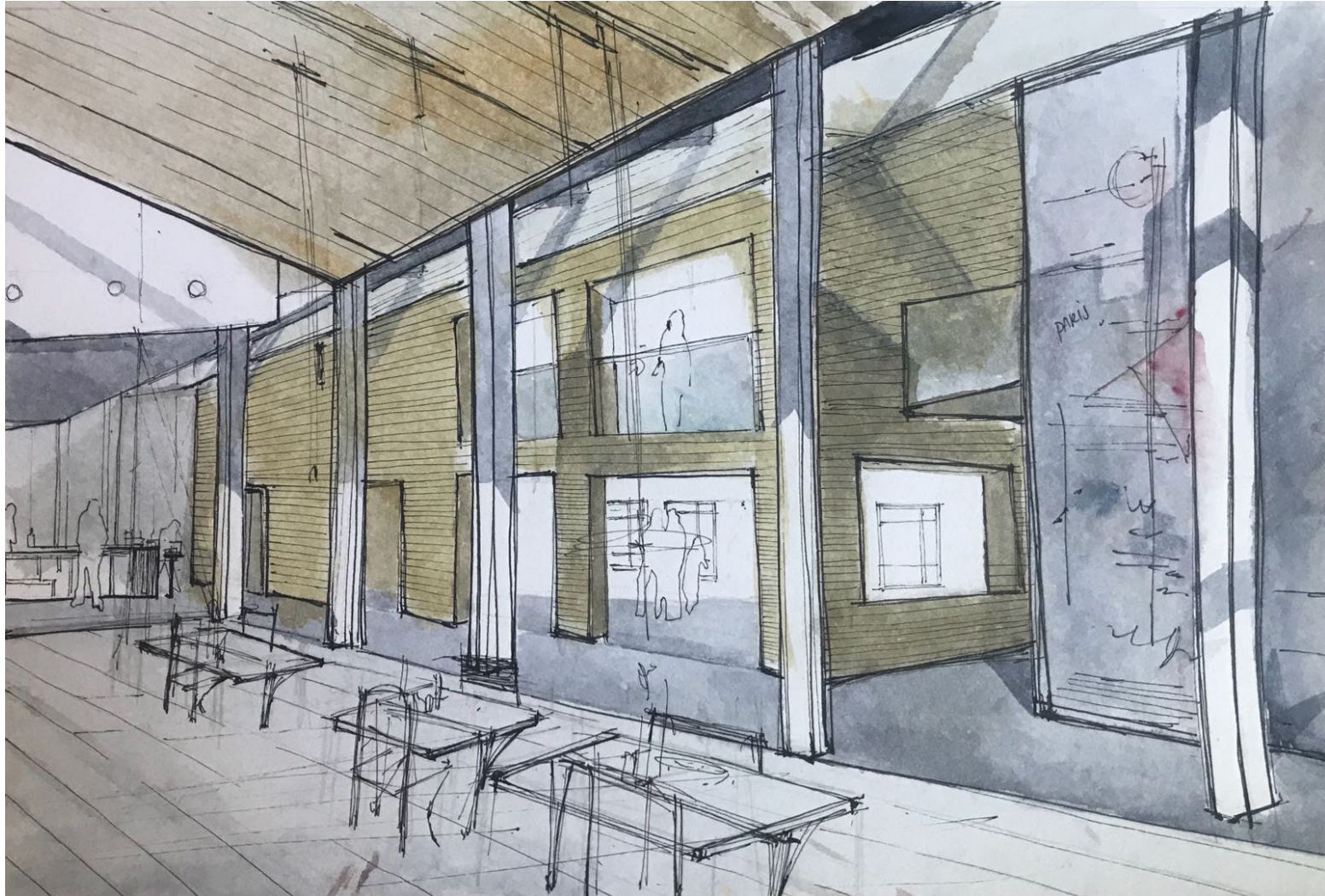


FLOOR PLAN OF THE ADDITION



IMPRESSION

EXPERIENCING THE EXISTING

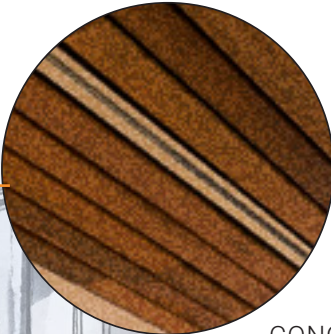


IMPRESSION

EXPERIENCING THE EXISTING



CEILING WOOD FINISH



CONCRETE WALL
FINISH: WALL PAPER

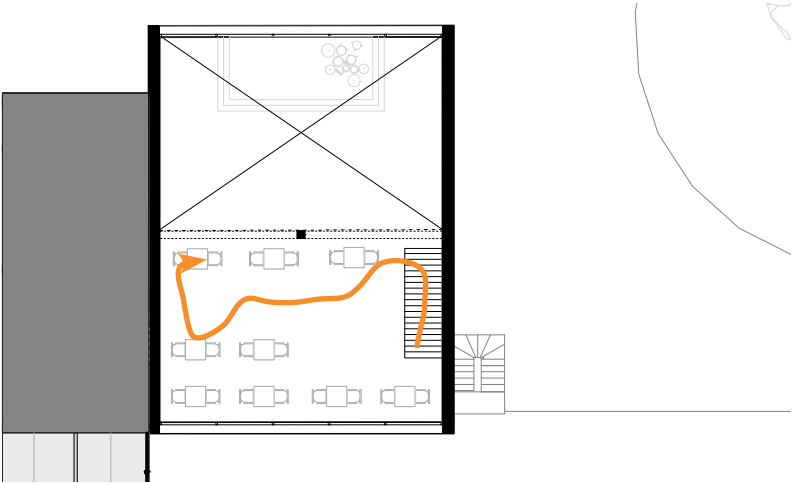
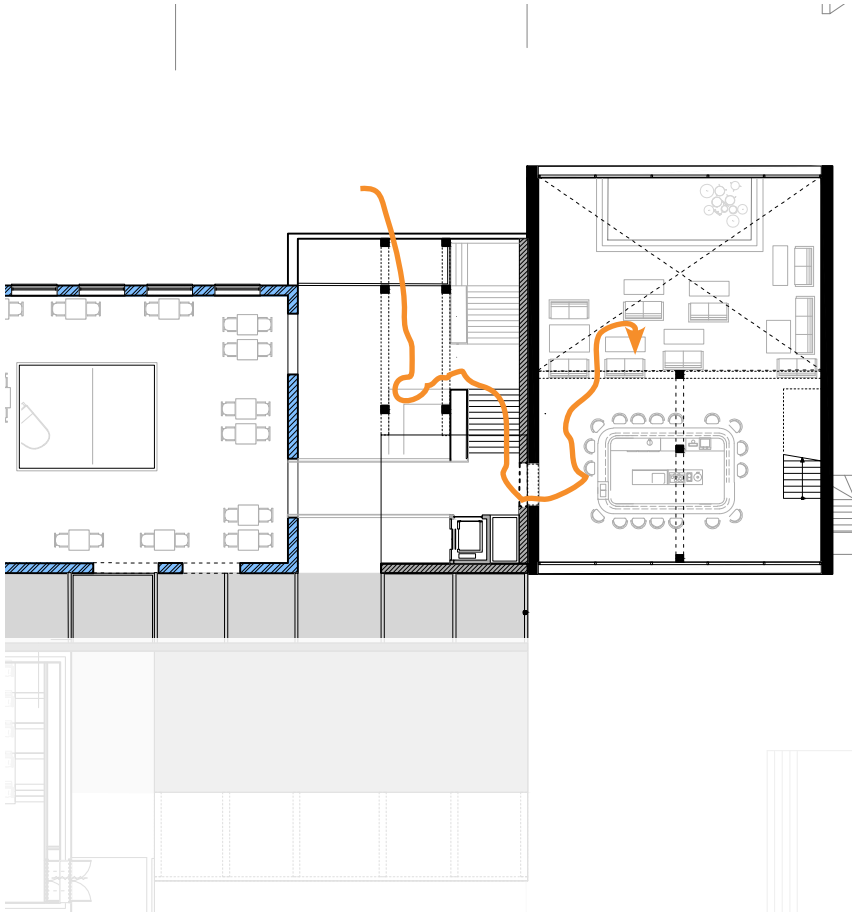


GREY STONE
FLOOR



LAY-OUT

MUSIC CLUB, A VIEW TO THE WATER



IMPRESSION

AT EVENING



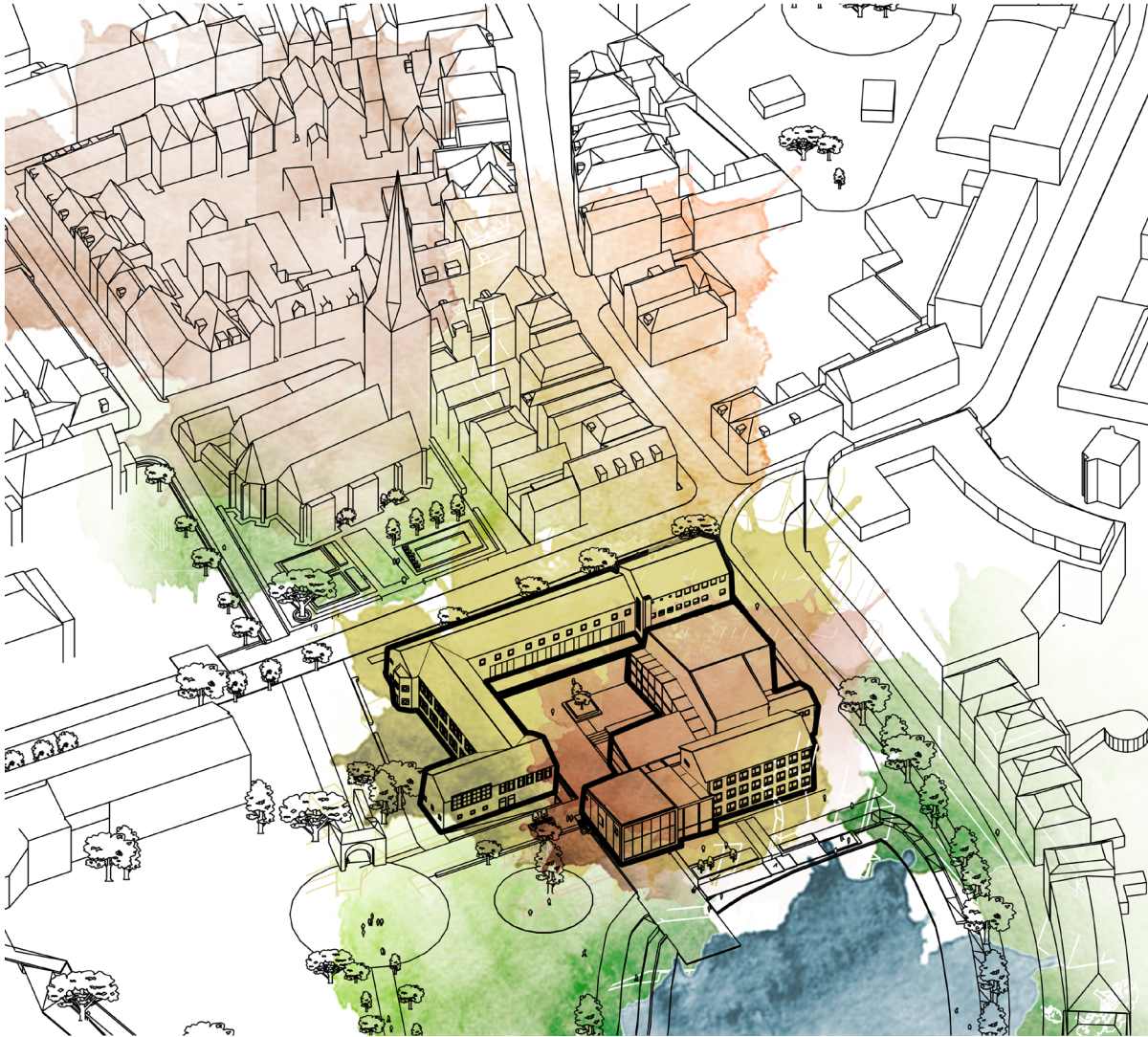


FACADE MATERIALS

ATMOSPHERE + NEW APPEARANCE

A NEW APPEARANCE

HARMONIOUS ARCHITECTURAL LANGUAGE



ATMOSPHERE



<https://nl.pinterest.com/pin/441141725977640271/>
<https://nl.pinterest.com/pin/331647960043966484/>

IMPRESSION

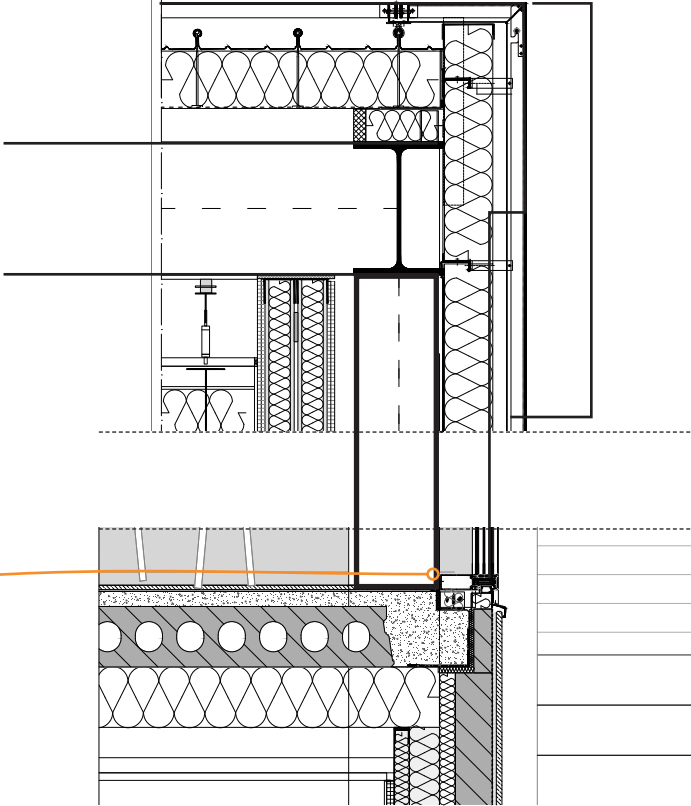
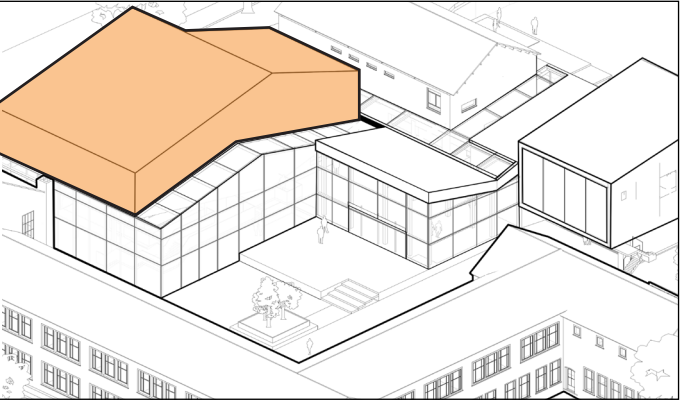
NEW CITY FACE/LOOK



CONTINUES MATERIAL TO THE ROOF

DETAIL ROOF AND NEW FACADE

Effect of a lifted volume
(connection between column, facade and glass)



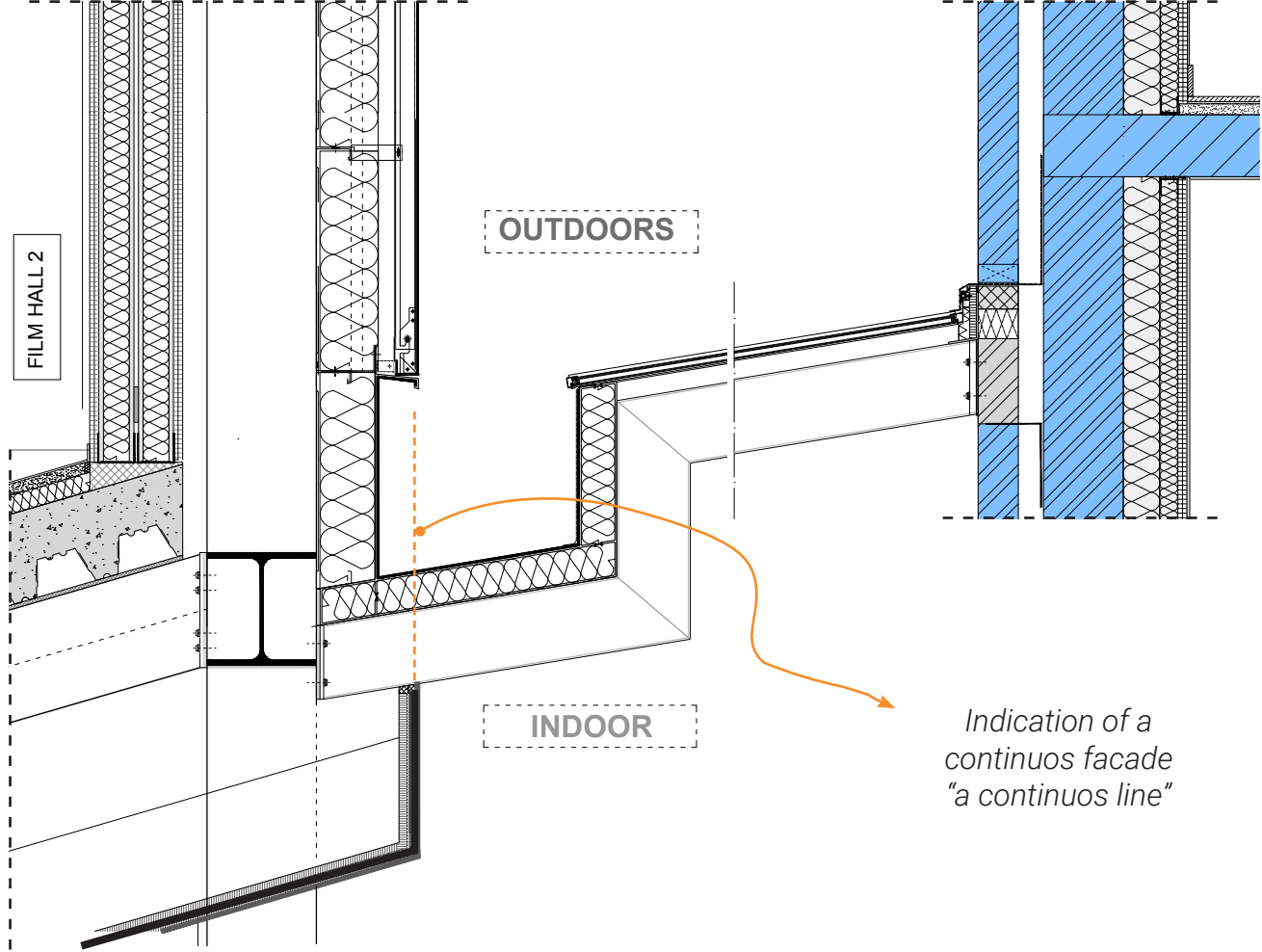
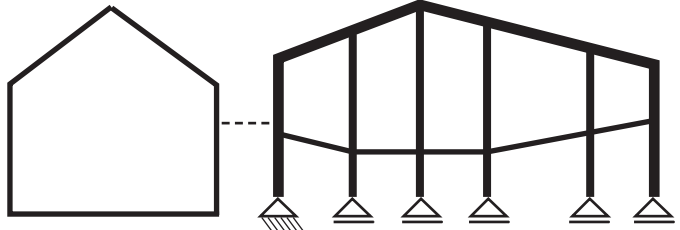
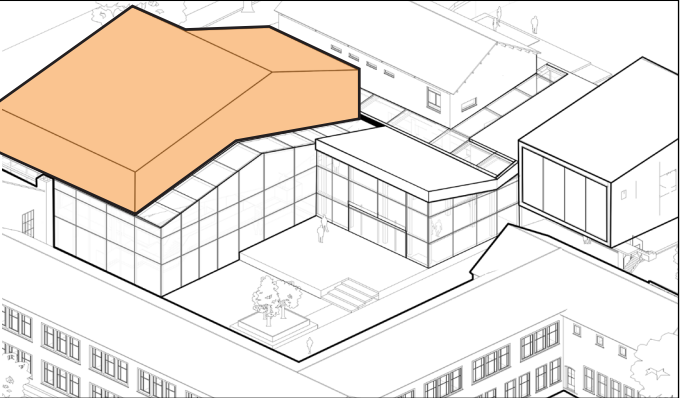
columns behind the facade
enhancing the effect of lifted
film halls & transparency

CONNECTION FORMER & THE NEXT

DETAIL

Indepent structures due to the high acoustic requirements of the film halls.

(Structure acoustically disconnected; floors and walls on rubber supports, at few nodes usage of elastomers and an elastic ring around the bolt to prevent acoustic bridge)

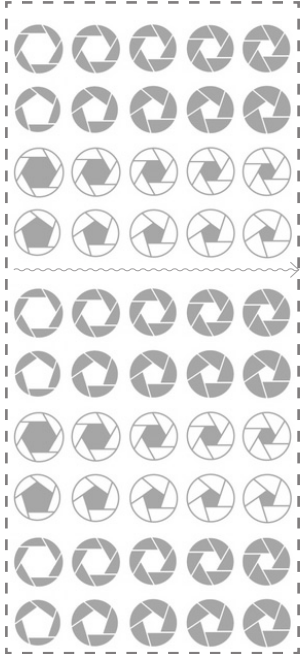


SILK-SCREEN PRINTING

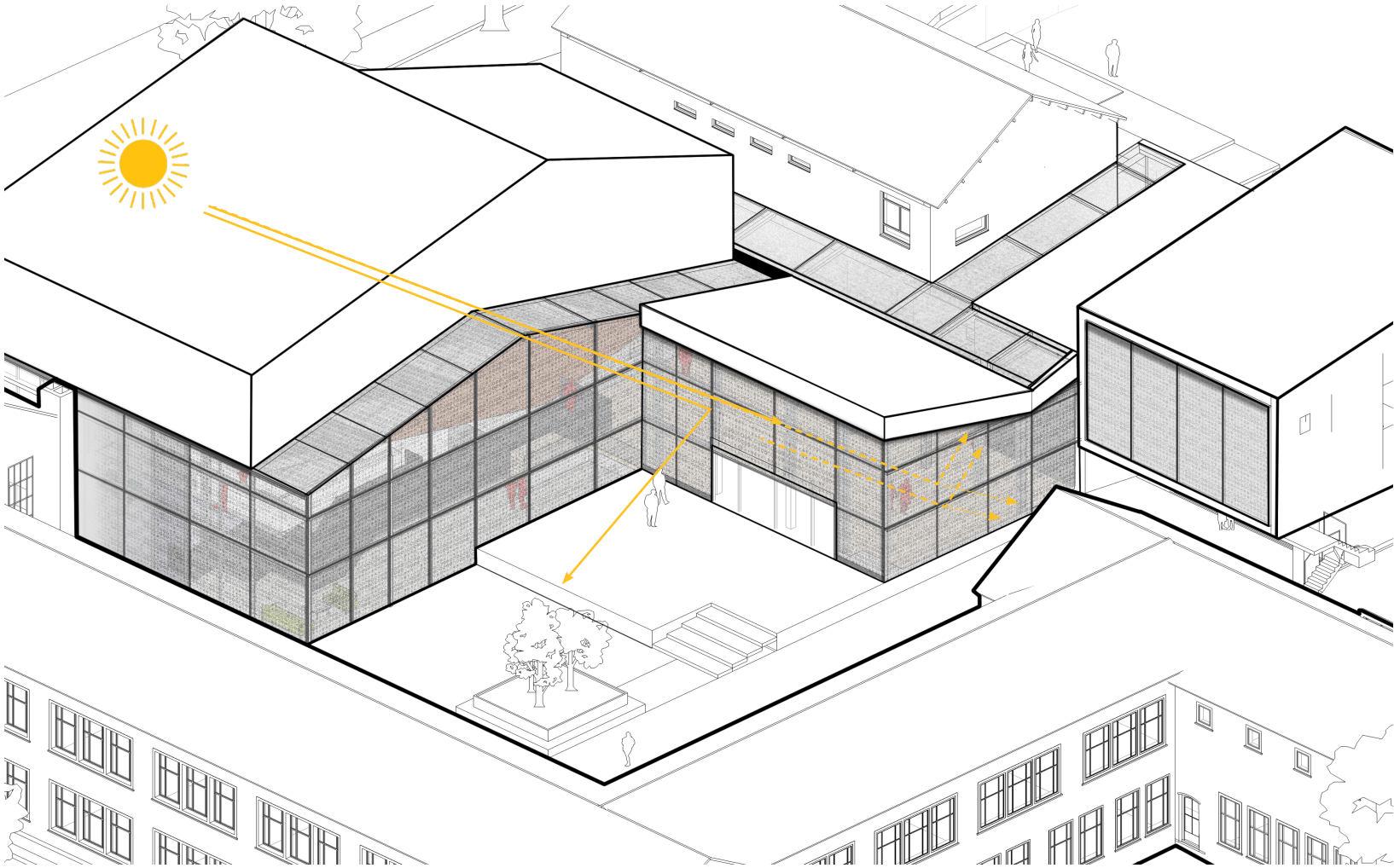
PATTERN & DAYLIGHT

*Reduction of
effect of blinding caused
by direct sunlight*

selection of light inflow

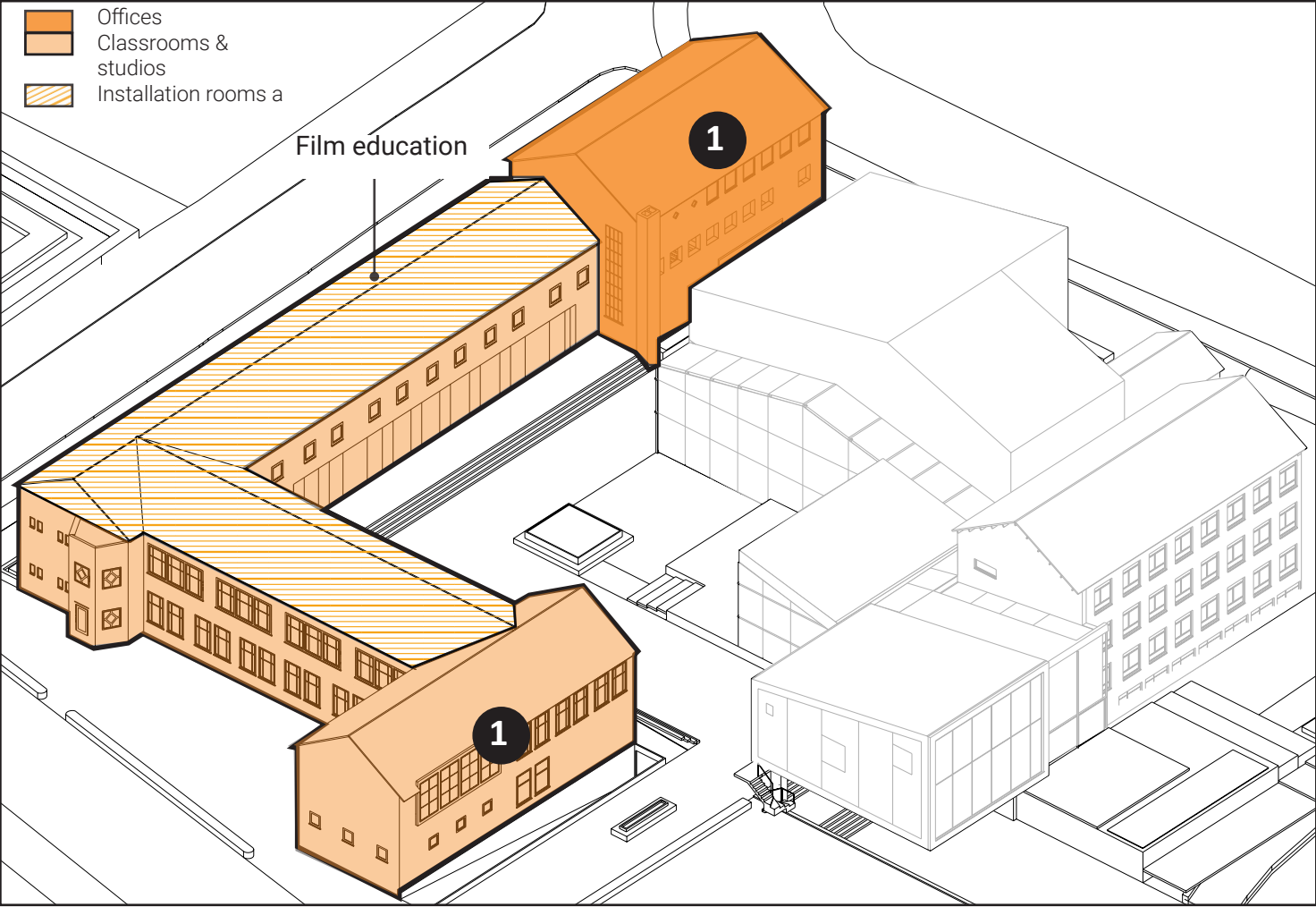


40% - 60% coverage



CLIMATE ZONE 1

BASED ON ACTIVITY: FROM MORNING TO AFTERNOON



FILM EDUCATION

FULL TIME CLASS

Production class 09:00 -15:00
(scriptcontinuitie; call sheets; light assist etc)

AFTERNOON COURSES

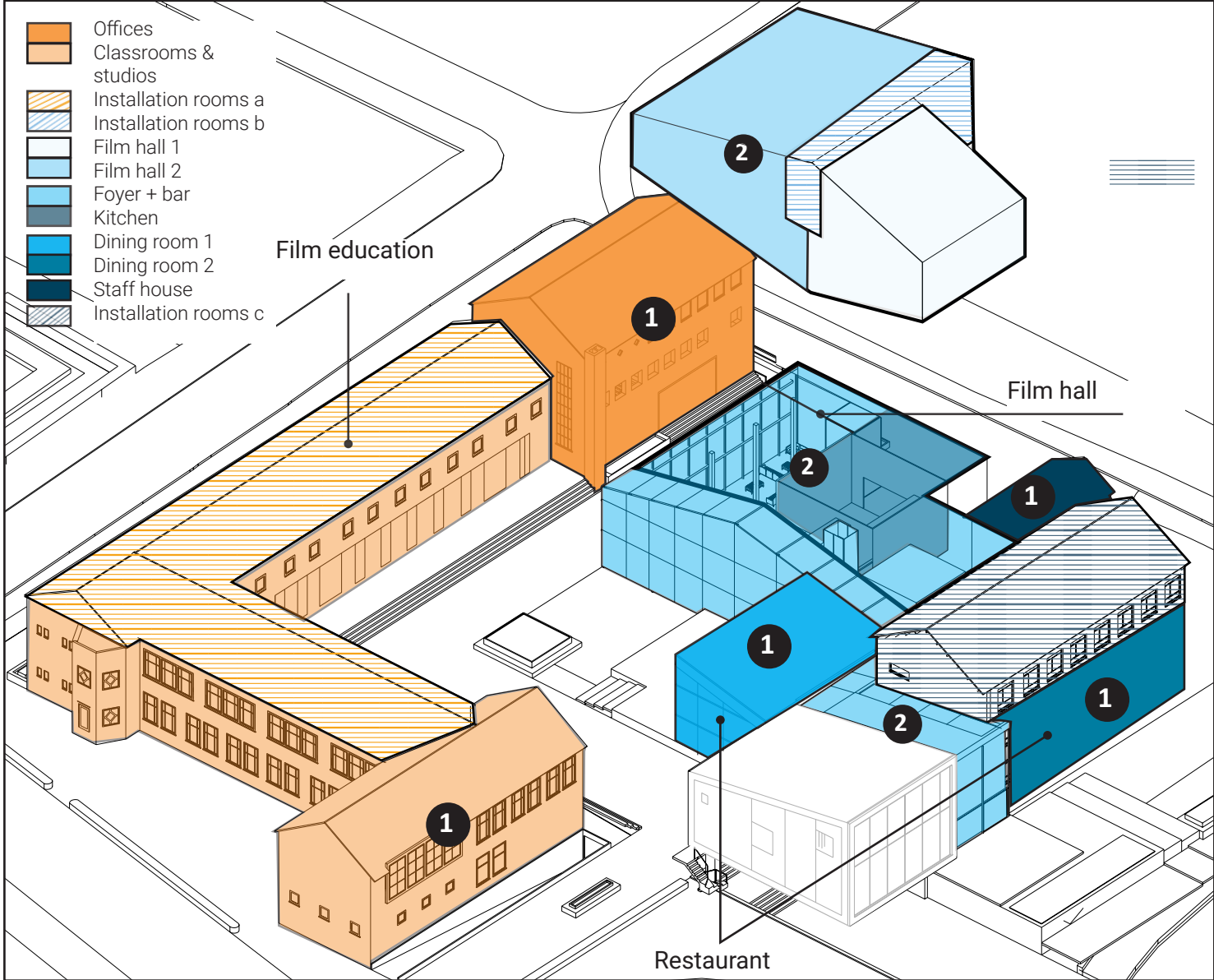
Basics (beginners) 13:00 -16:00
Basics (Intermediate) 13:00 -16:00
Basics (Advanced) 13:00 -17:00

HEATING AND COOLING

- 1** Floor heating
- Natural ventilation + mechanical ventilation
- Mechanical exhaust

CLIMATE ZONES

BASED ON ACTIVITY: AFTERNOON - EVENING



FILM HALL
 Afternoon films 12:00 -16:00
 (Almost everyday)

RESTAURANT
 Mon - Thursday 16:00 -21:00
 Fri - Sat 14:00 -23:00
 Sunday 14:00 -21:00

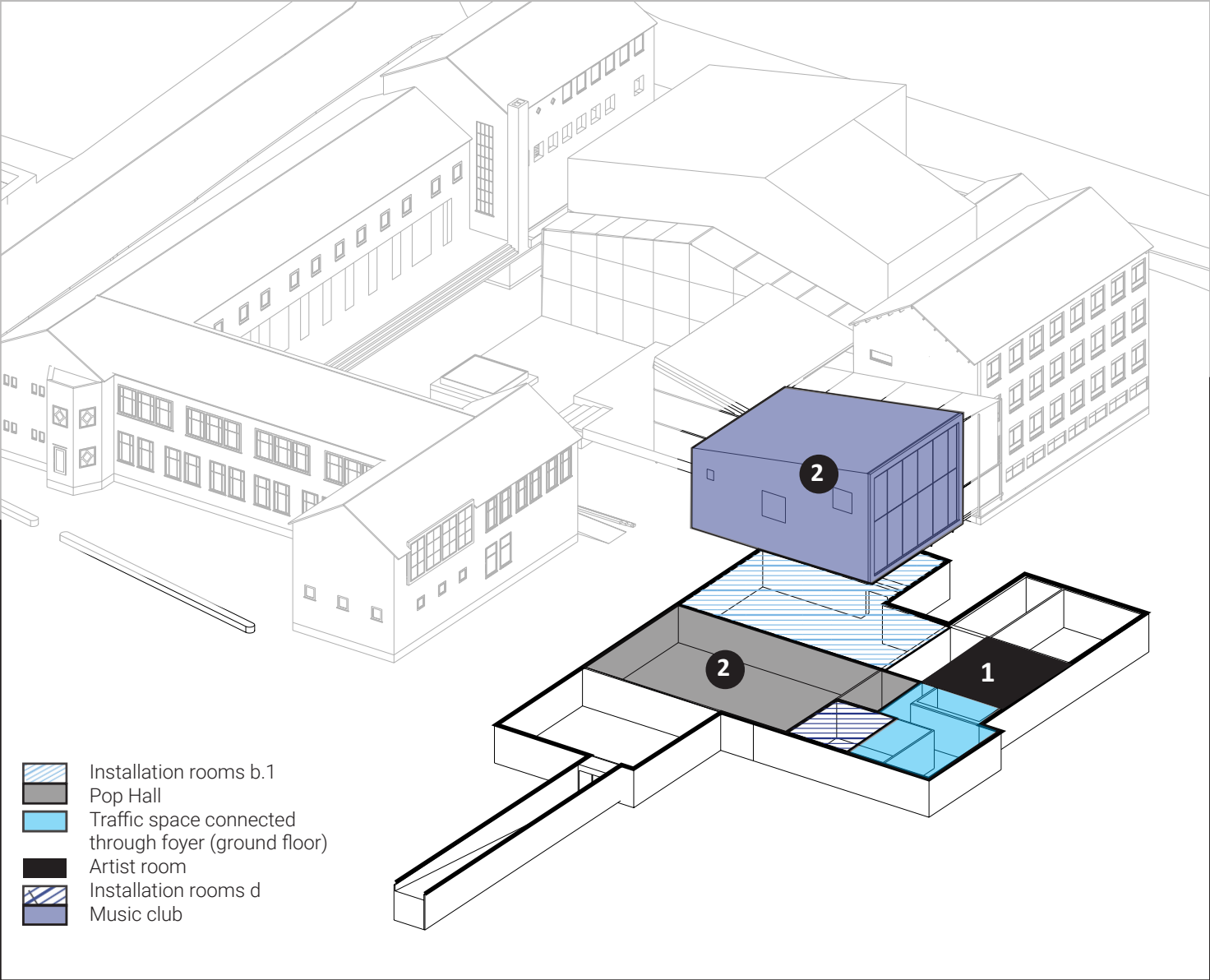
HEATING AND COOLING

- 1** Floor heating
 Natural ventilation +
 Mechanical ventilation
 Mechanical exhaust

- 2** (foyers and connected traffic spaces)
 Mechanical ventilation: exhaust and
 supply
 Heating the spaces through air

CLIMATE ZONES

BASED ON ACTIVITY: AFTERNOON - EVENING



FILM HALL
 Afternoon films 12:00 -16:00
 (Almost everyday)

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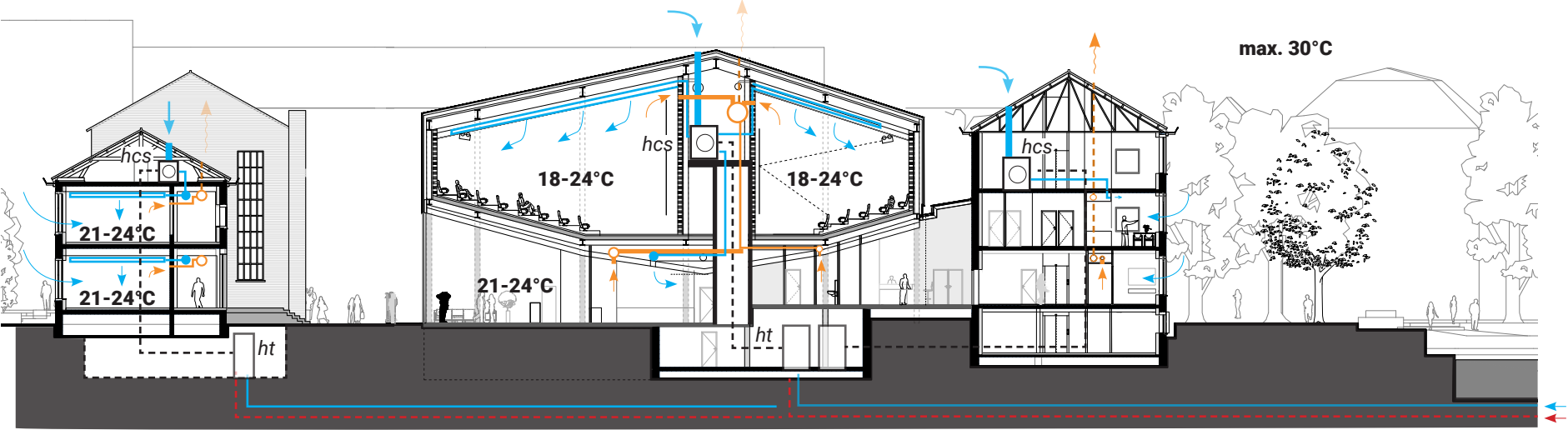
HEATING AND COOLING

1 Floor heating
 Natural ventilation +
 Mechanical ventilation
 Mechanical exhaust

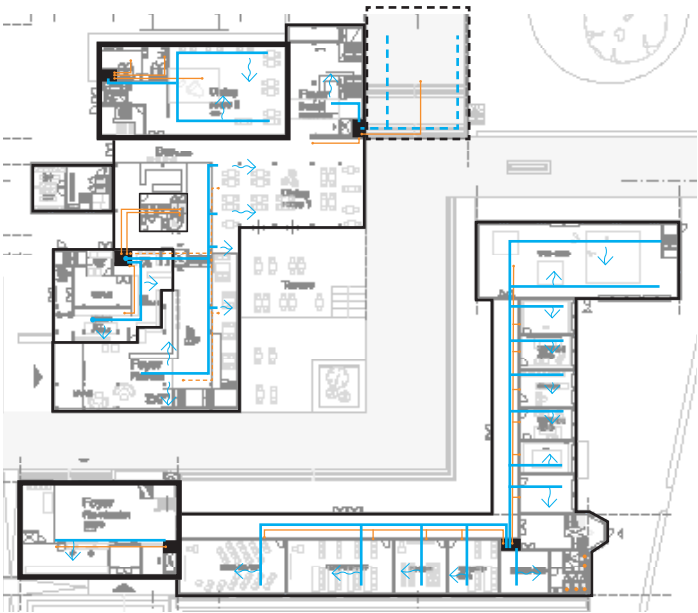
2 Mechanical ventilation: exhaust and
 supply
 Heating the spaces through air

VENTILATION



SUMMER



From lowest point in the lake
(Heat to storage)

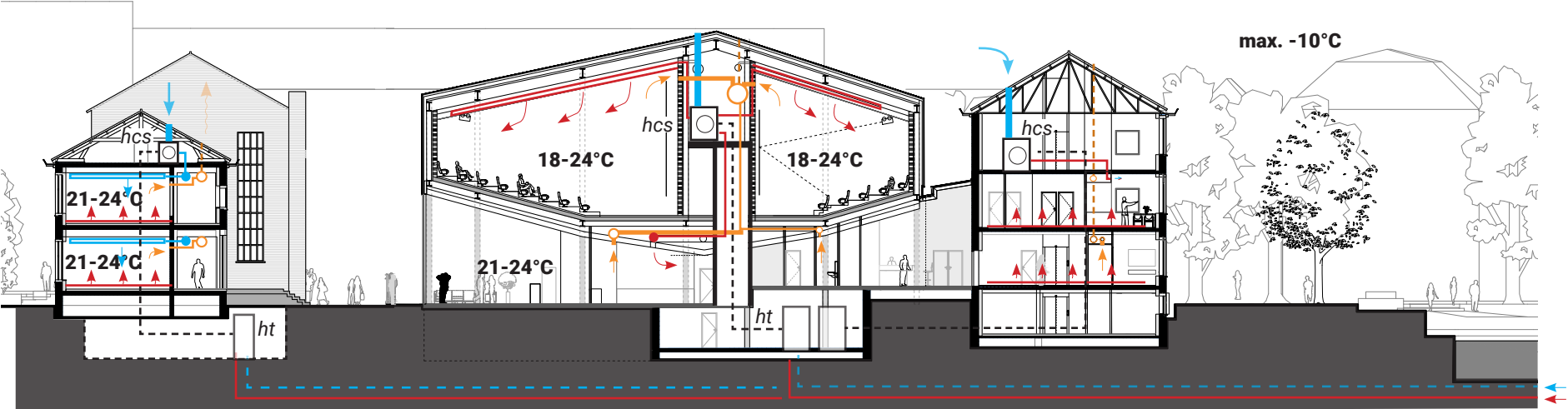


COOLING

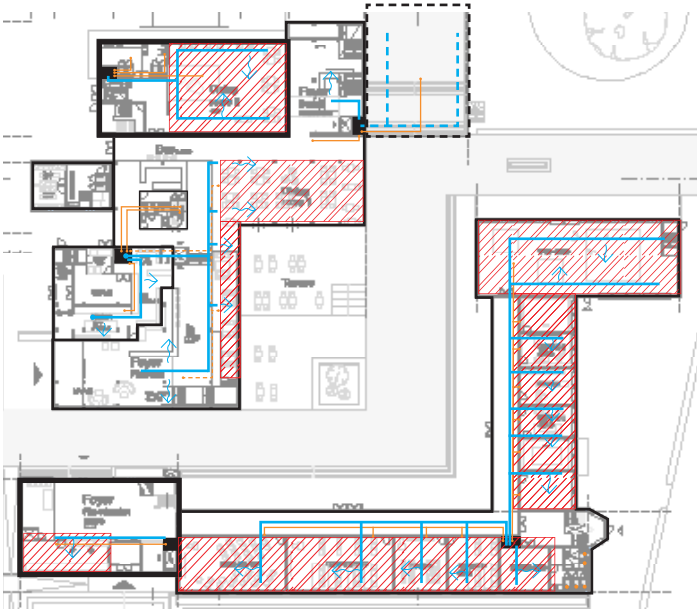
-  Air supply (natural/ mechanical ventilation)
-  Air exhaust




VENTILATION

WINTER



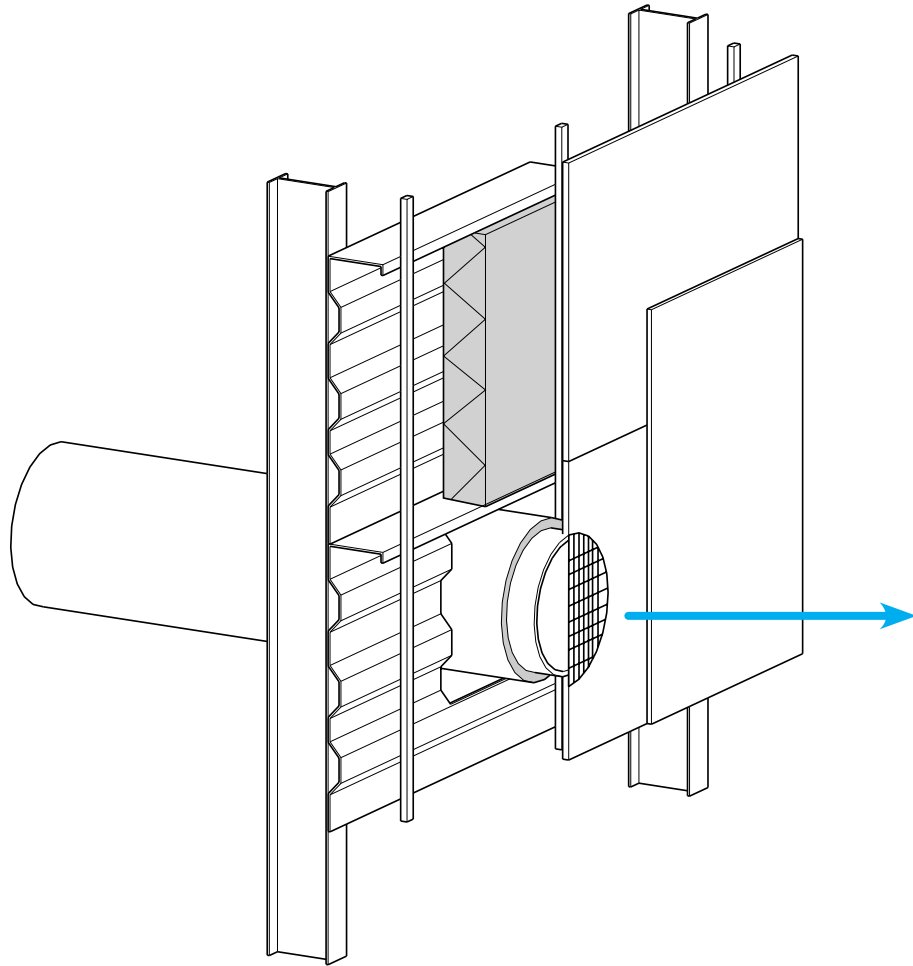
From lowest point in the lake
(Cold to storage)



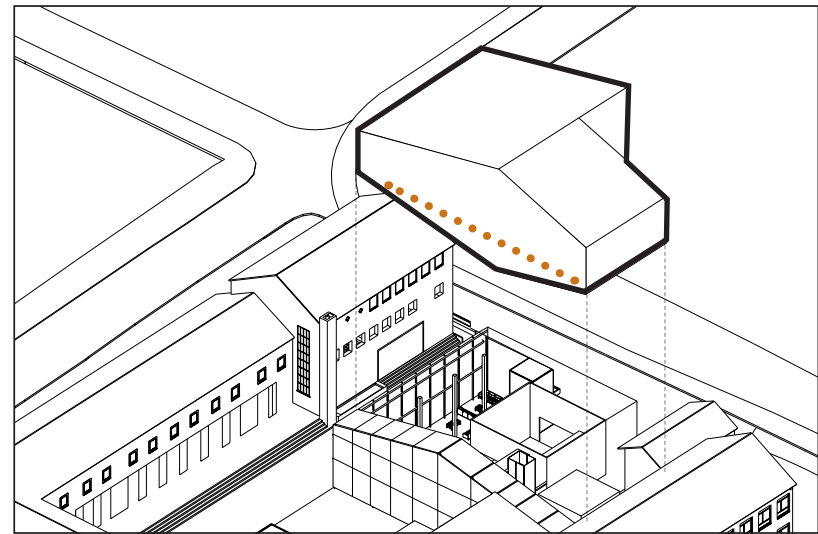
-  Air supply (natural/ mechanical ventilation)
-  Air exhaust
- HEATING**
-  Floor heating

VENTILATION

THROUGH THE FACADE



<https://architectenweb.nl/nieuws/artikel.aspx?ID=24580>



END RESULT

CONCLUSION & REFLECTION

