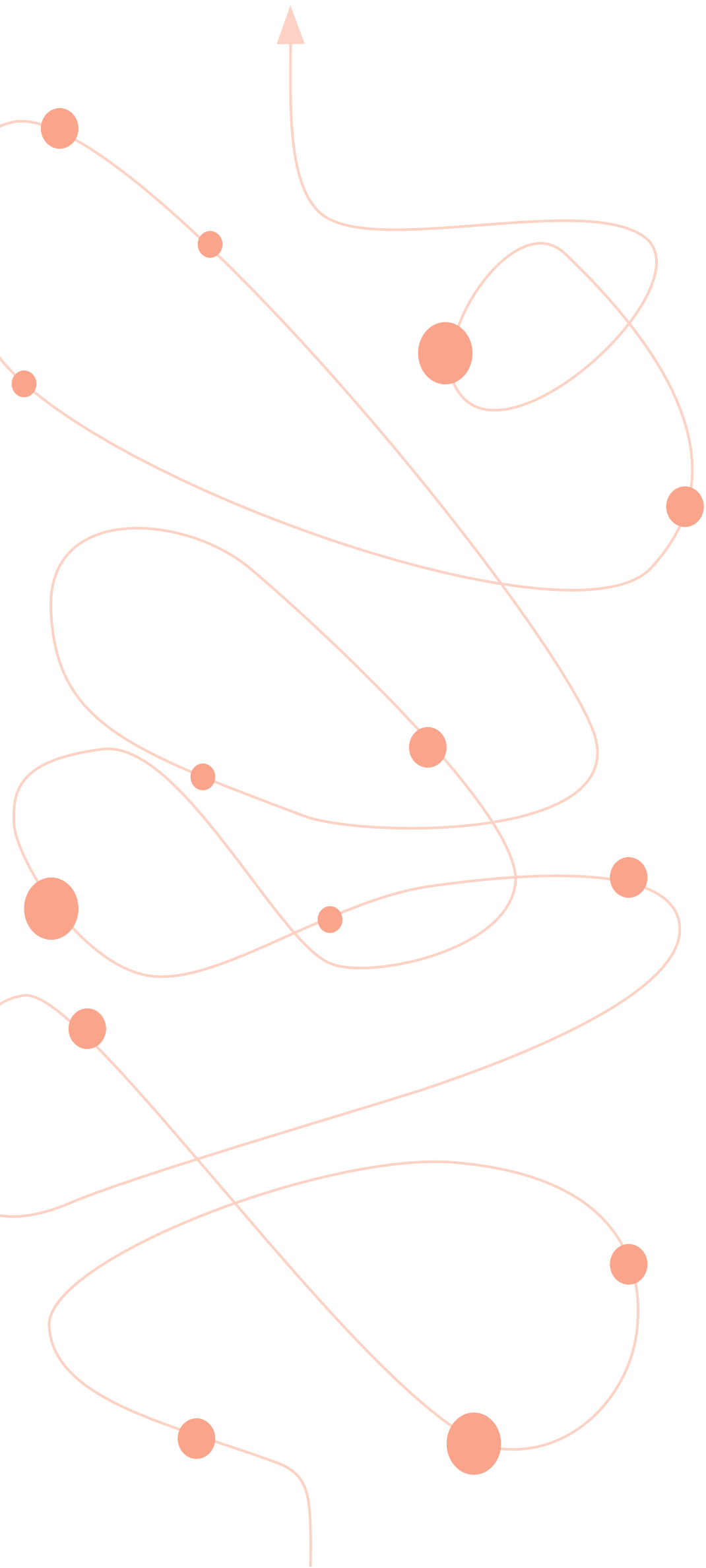




REFLECTIONS OF THE BOSSCHE STADSDELTA



EXPERIMENTATION



EXPERIMENTATION

Traditional tools, drawing and modelling, have proven to be fruitful.

But what about other tools?



EXPERIMENTATION

What meaning could non-traditional tools have in experimentation at the start of an architectural design process?



METHOD

7 case studies
7 non-traditional tools

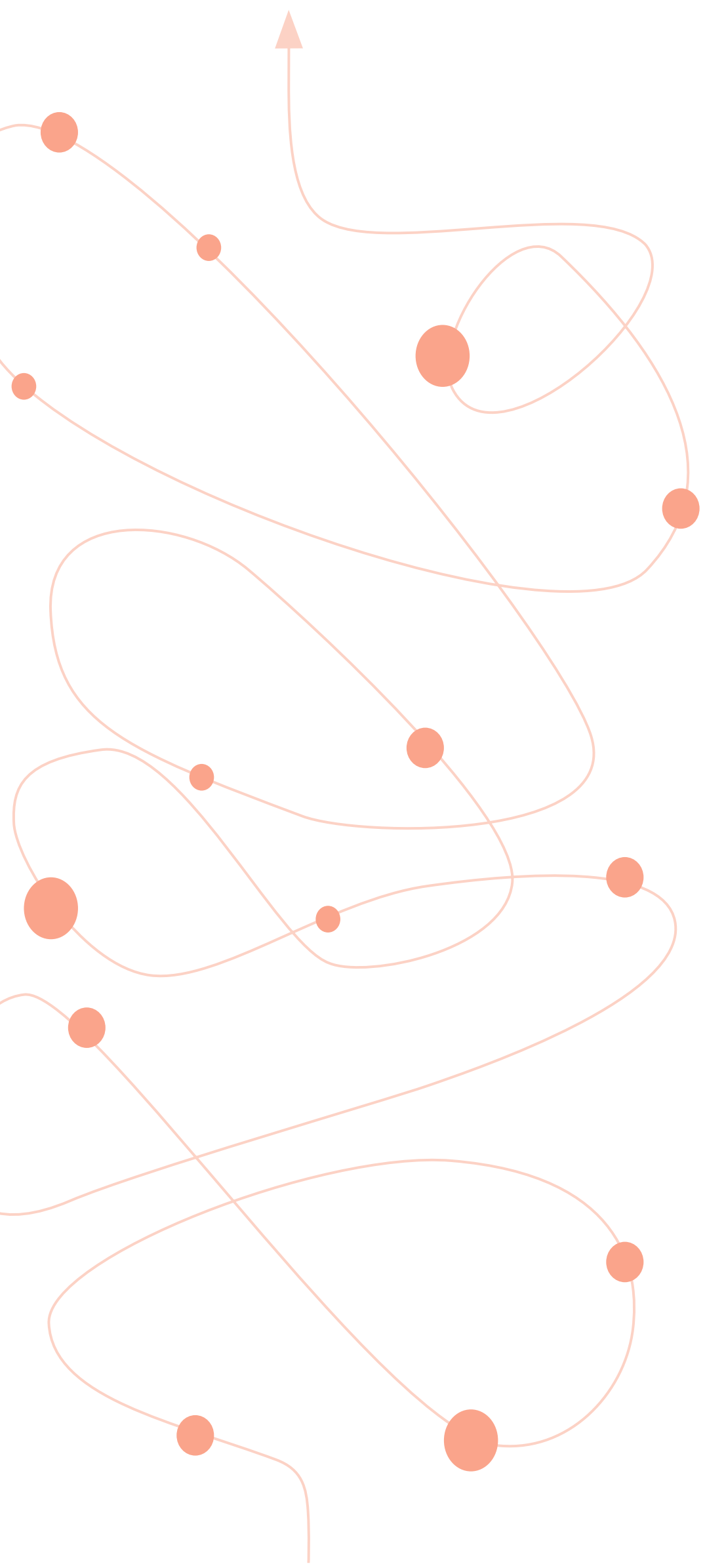
- Video
- Poetry
- Dance
- Theatre
- Music
- Photography
- Story Writing

Design Brief: Coffee Kiosk
Two hours design time
Translation to sketch



RESULTS





RESULTS

APPENDIX V

Evaluation Phase 3: Determining the key findings

Tool	Name <i>(Given)</i>	Given Definition	Chosen Method (+ Rules) (+ Location) (+ Laboratory)	How? <i>By an iterative and improvised process of...</i> ... which is part of experimentation (the process of generating ideas making design decisions)	Results				Senses <i>E = Eye sight H = Hearing S = Smell TA = Taste TO = Touch + / ++ / +++</i>		Familiarity	Starting Difficulty	Externalisation Difficulty	Urge for Combination	Satisfaction Souvenir	Satisfaction Sketch Design	Meaningful
					Physical	Non-physical			Direct	Indirect							
						Guiding Theme - +/- +	Generated Ideas in Domains	Other									
1	Photography	The use of a photo camera or the associated technique or theory of photography.	Designer used a digital camera to photograph objects in the Delft city centre. Afterwards, the designers edited and selected photos with Lightroom. Only allowed to use a camera and Lightroom.	...action (making, selecting photos), interpretation (of acts and photos, selection) and evaluation (of photos, selection and generated ideas)...	Photo selection + design sketch	+	Material / Structure / Climate Space / Form	Dialog with oneself Active awareness of surroundings	E +++ TO+	-							Yes
2	Story Writing	The act of writing a story and/or the associated technique and theory of story writing.	Designer wrote three stories in which a design evolved by describing it. Only pen and two textbook pages per story. Only writing and telling was allowed. Needed to take three different perspectives.	...action (imagination, writing), interpretation (of acts and written or spoken text) and evaluation (of text and generated ideas)...	Three short fictional stories + design sketch	+/-	Material / Structure Space / Form Site Context	Dialog with friend (Dialog with oneself)	E +++ TO+	E +++ H ++ TO + S + TA +							Yes
Yes	Music / Sound	The act of making sound / music and/or the associated technique and theory of music / sound.	Designer used an accessible audio software to combine or edit sound and music. Chose to make an abstract soundtrack of a day at the kiosk.	...action (production of sound), interpretation (of acts and sound) and evaluation (of sound and generated ideas)...	Two soundtracks + design sketch	+	Space / Form (Structure)	Dialog with oneself Awareness of possible sounds at a kiosk	H +++ TO ++	E+							Yes
4	Theatre	Theatre, performance, Drama(turgy) and the associated technique and theory	Designer acted in front of a camera in her living room. Improvisation interview and no retakes. Used different costumes.	...action (theatre performance, decoration), interpretation (of acts and performance) and evaluation of (performance and generated ideas)...	Theatre improvisation performance + design sketch	+	Program Form Material / Structure Context	Dialog with oneself	E+ H+ TO +	TA+							Yes
5	Dance	The act of dancing and the associated technique and theory.	Designer danced in front of a camera in her living room. Improvisation. Danced and filmed with different parts of her body.	...action (moving, choosing music), interpretation (of movements and music), and evaluation (of movement, music and generates ideas)...	Dance improvisation performance + design sketch	+	Form Material / Structure	Dialog with oneself	TO+++ E++ H++	-							Yes
6	Poetry	The act of writing poetry and the associated technique and theory	Designer wrote free verse and rhyme poetry in her living room. Improvisation. Used Word to document.	...action (thinking, feeling, remembering, imagining, writing), interpretation (of text) and evaluation (of poems and generated ideas)...	Poems + Design Sketch	+	Program / Route Form	Dialog with oneself	E+++ H++ TO+	H++ E+ S+							Yes
7	Video	The act of making video and the associated technique and theory.	Designer captured fragments of her daily commute to the city centre with her phone camera. Used iMovie to edit and add sound.	...action (capturing, moving, choosing music, selecting and editing video), interpretation (of video, music) and evaluation (of video and generated ideas)...	Video (with music) + design sketch	+/-	Material / Structure Form Site	Dialog with oneself Active awareness of surroundings	E +++ H++ TO+ S+	-							Yes



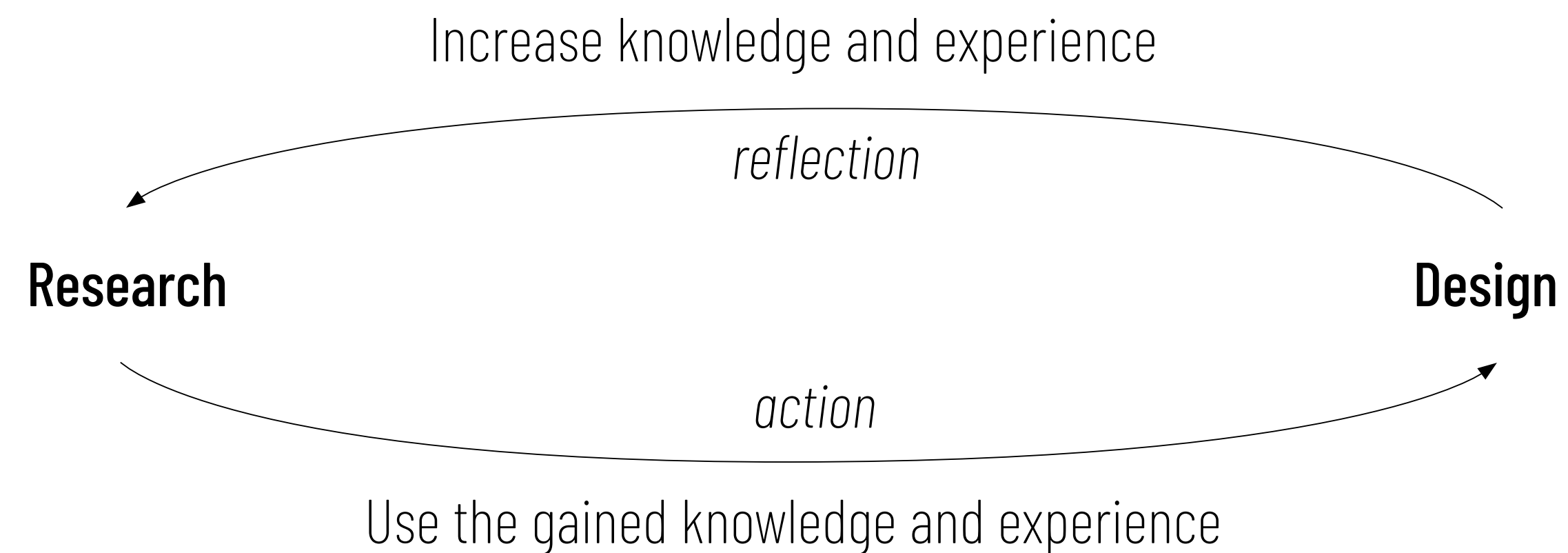
CONCLUSION

- Allowed for experimentation; in multiple domains.
- Difficulty to just start; Trial and error to search for method.
- Tools addressed multiple and varying senses.
- Fluidity between tools.
- Combination of non-traditional and traditional tools.



IMPLICATIONS DESIGN PROJECT

- Combine the non-traditional and traditional tools.
- Larger time frame
- Reciprocal relation

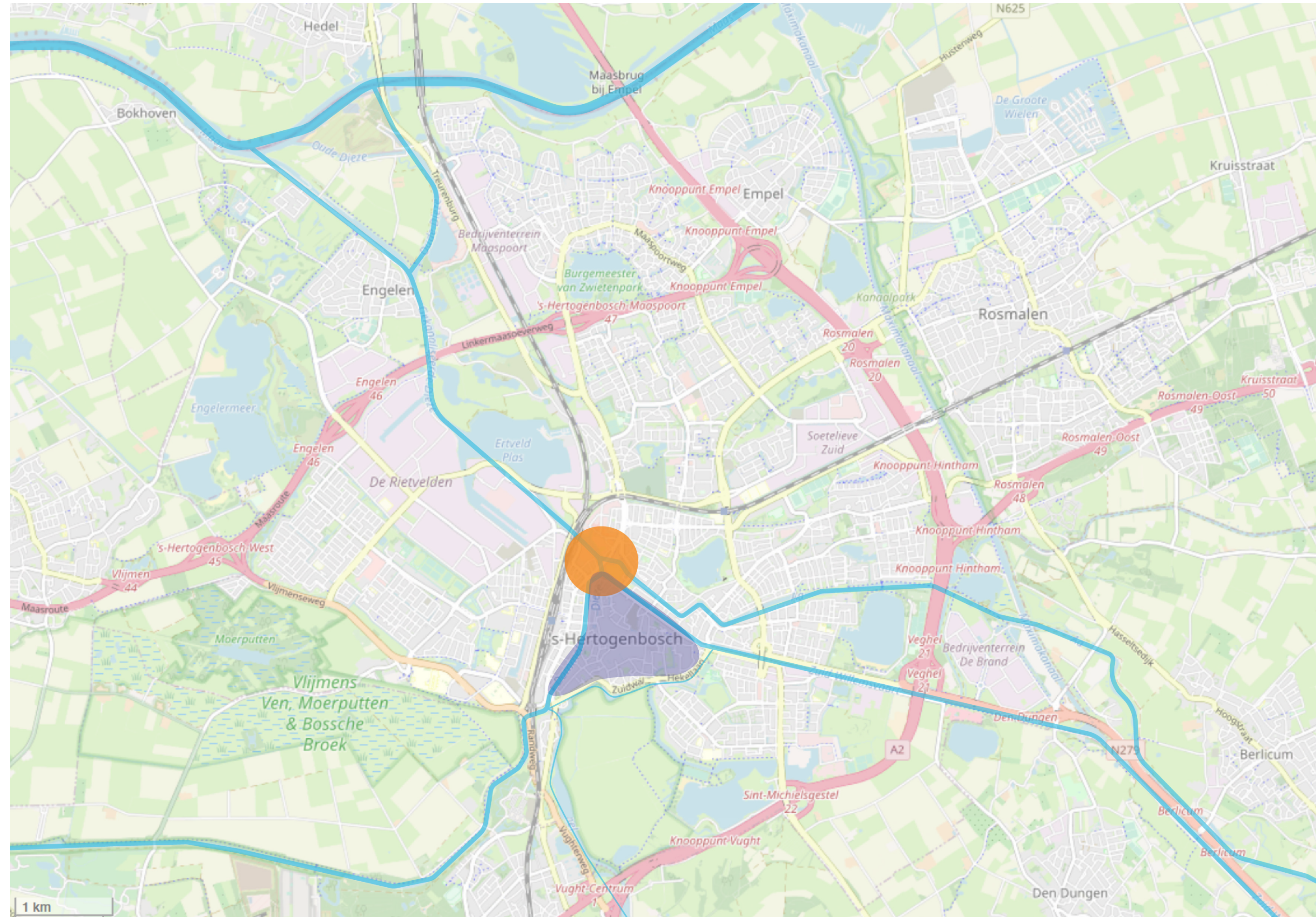


- Project that allows for a sensitive design approach

DESIGN

BOSSCHE STADSPDELTA

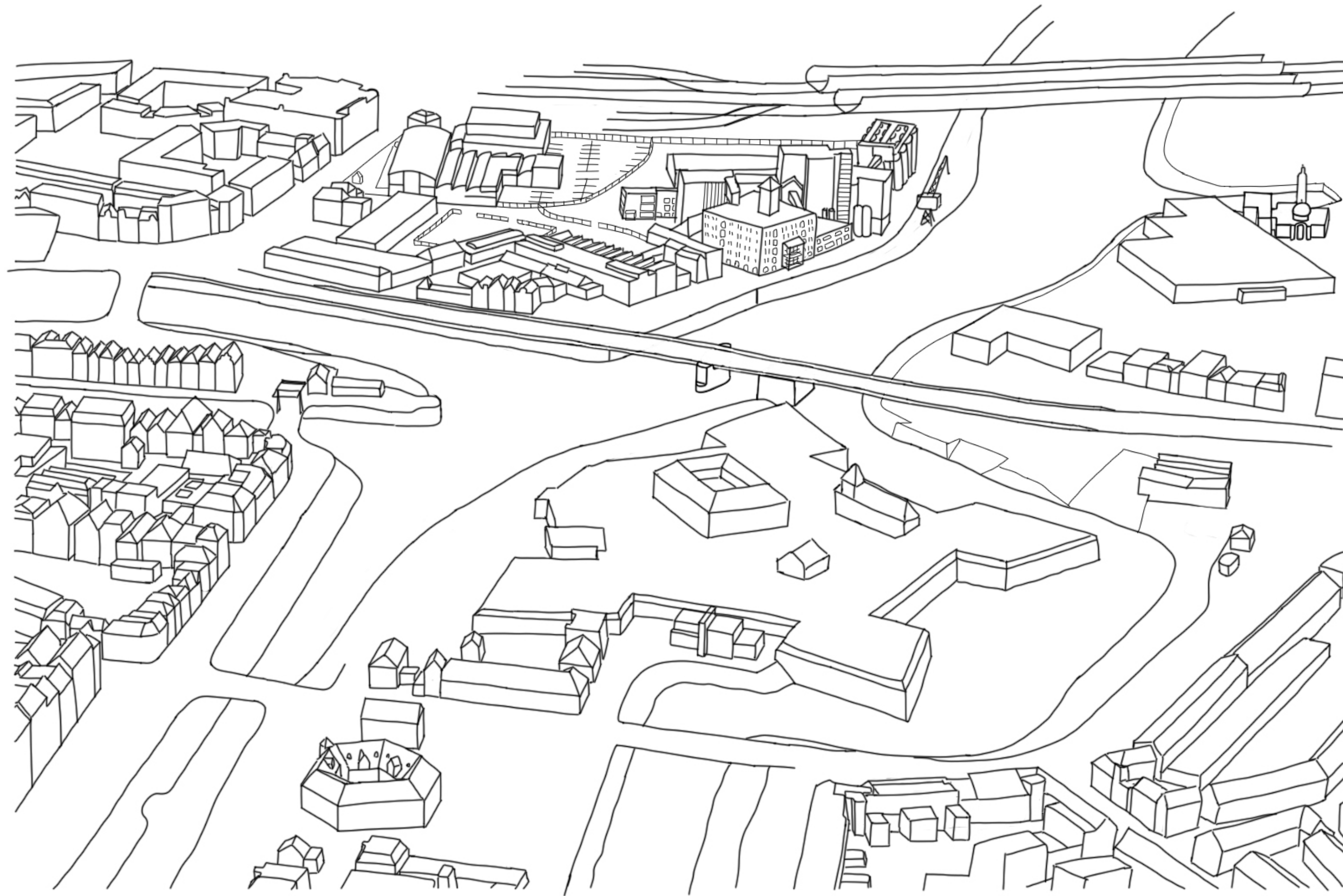




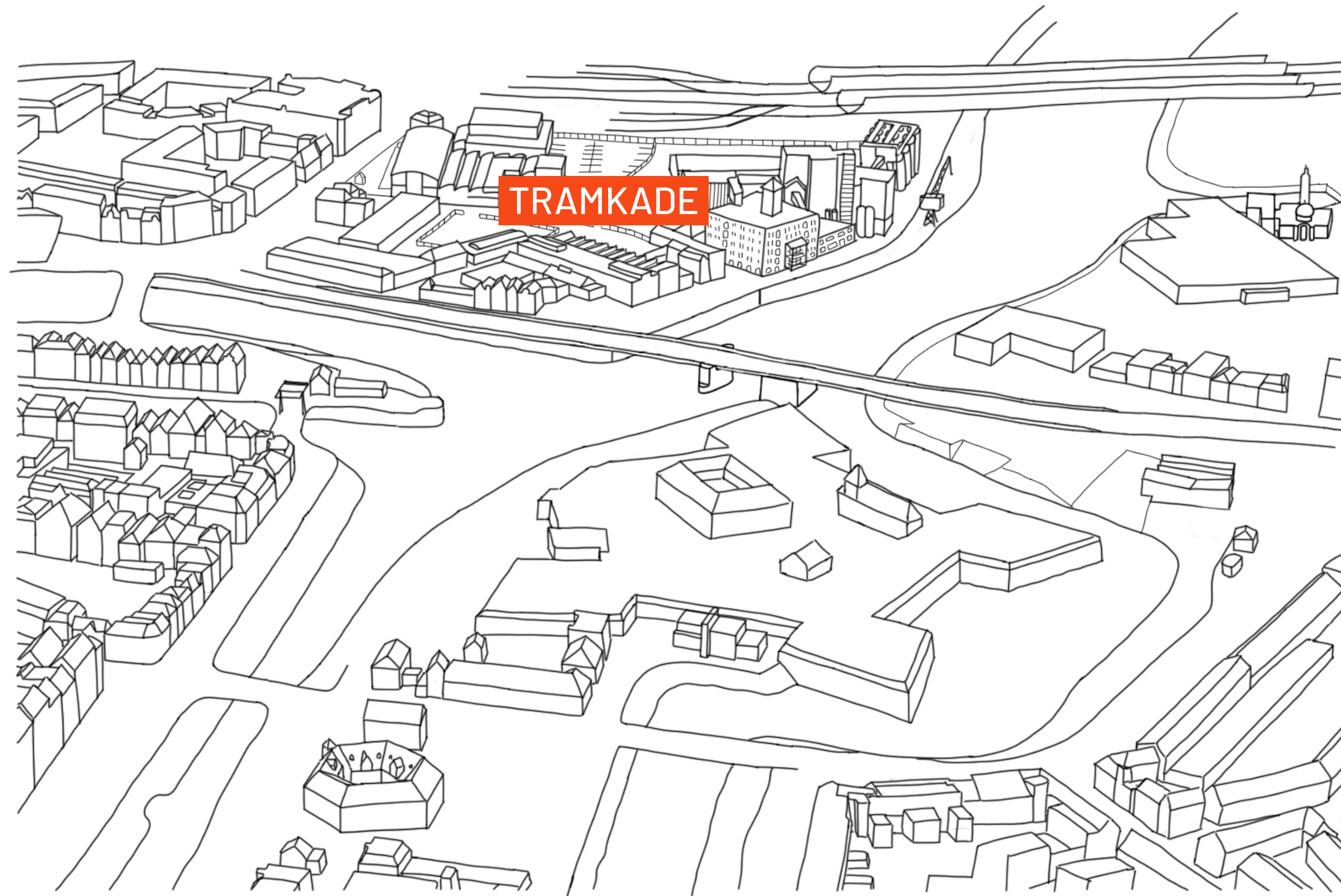
north of 's-Hertogenbosch
around a bottle neck of water



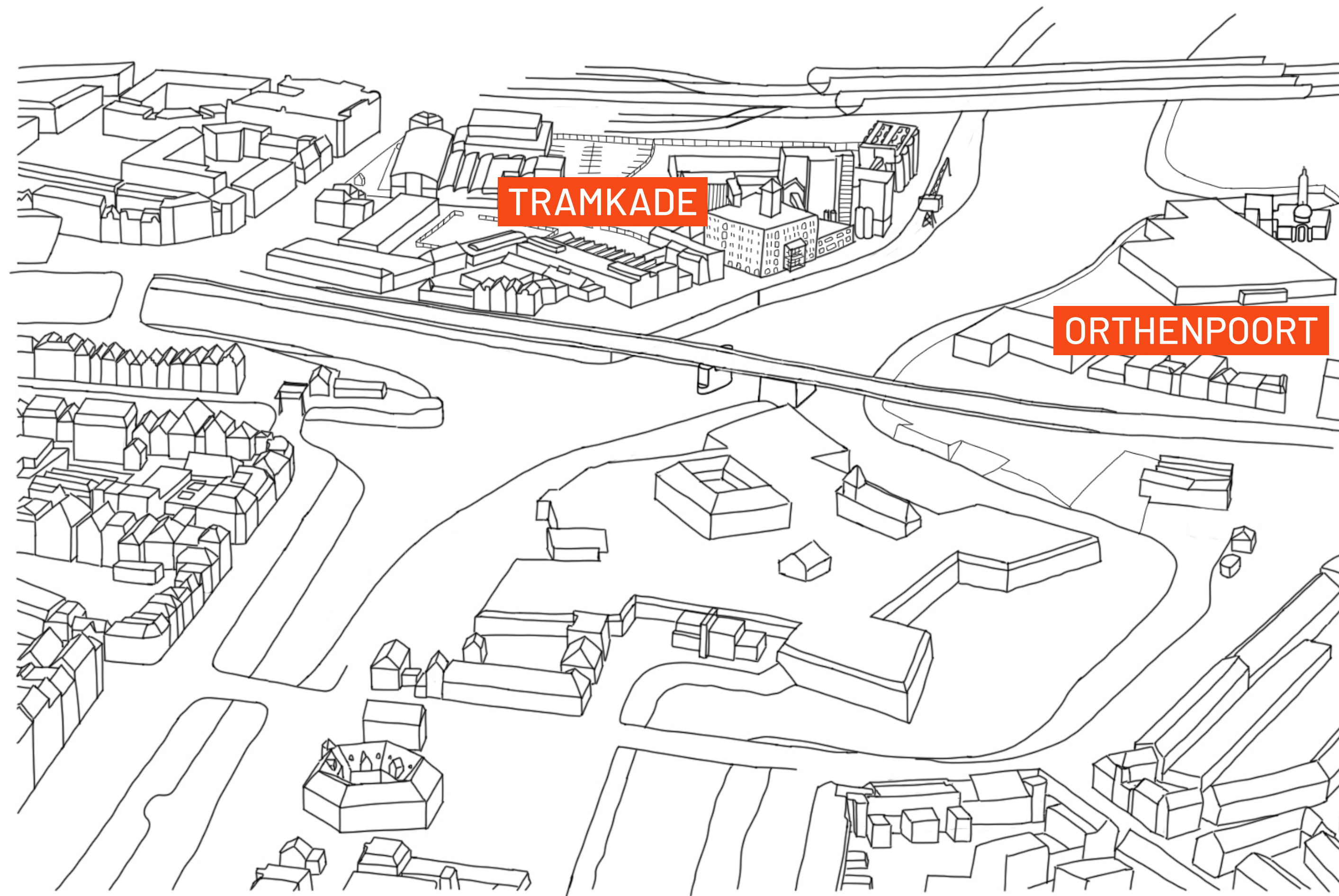
current situation



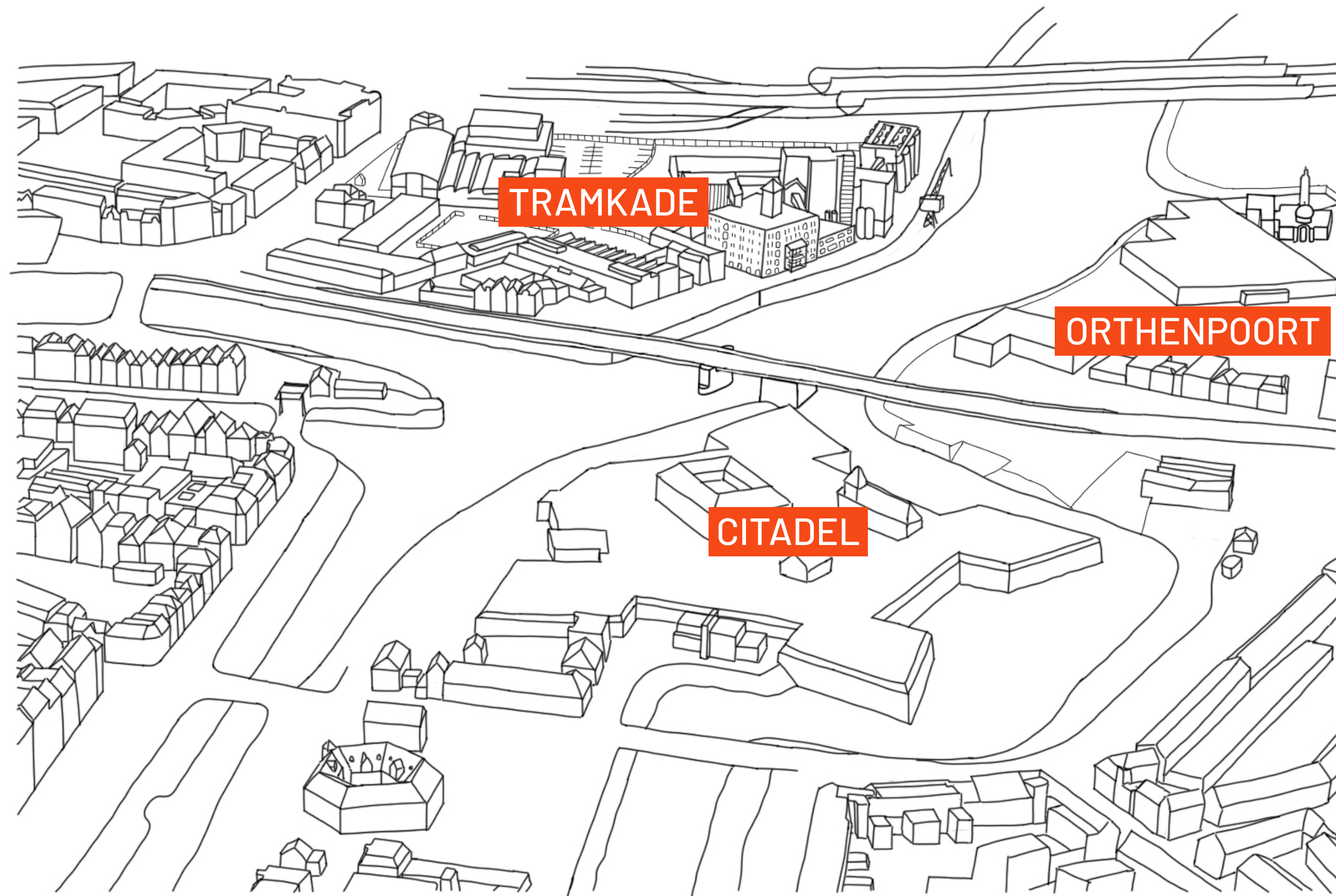
current situation



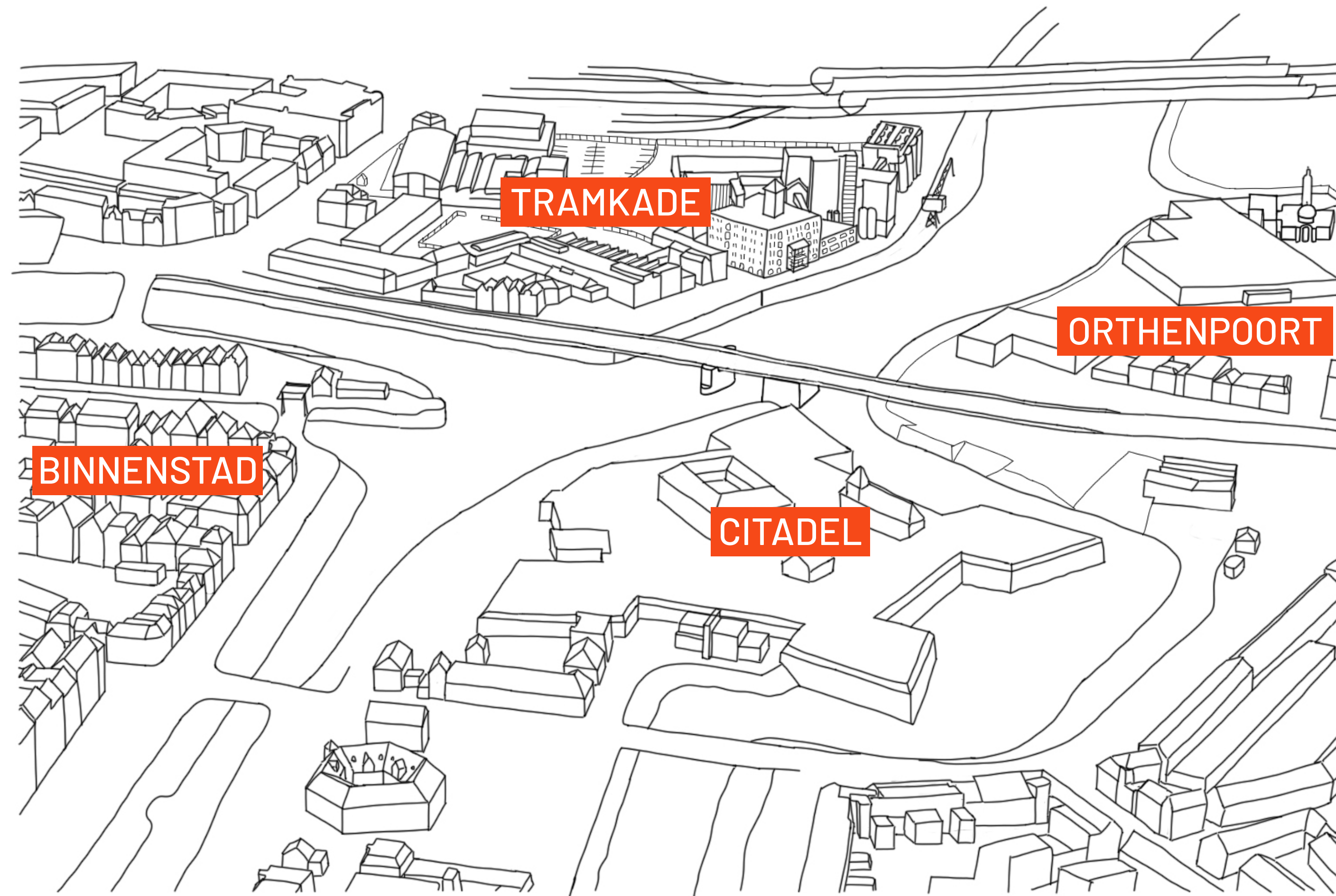
current situation
4 areas as the Bossche Stadsdelta



current situation
4 areas as the Bossche Stadsdelta



current situation
4 areas as the Bossche Stadsdelta



current situation
4 areas as the Bossche Stadsdelta

filming



writing

Rauw dauw
Zachte klanken

Felle kleuren
Groene flanken

Dat wat was
Aan spiegelen water

Is dat wat blijft
Zonder plan voor later



listening



photographing



movement



stops



qualities





qualities





qualities



tramkade



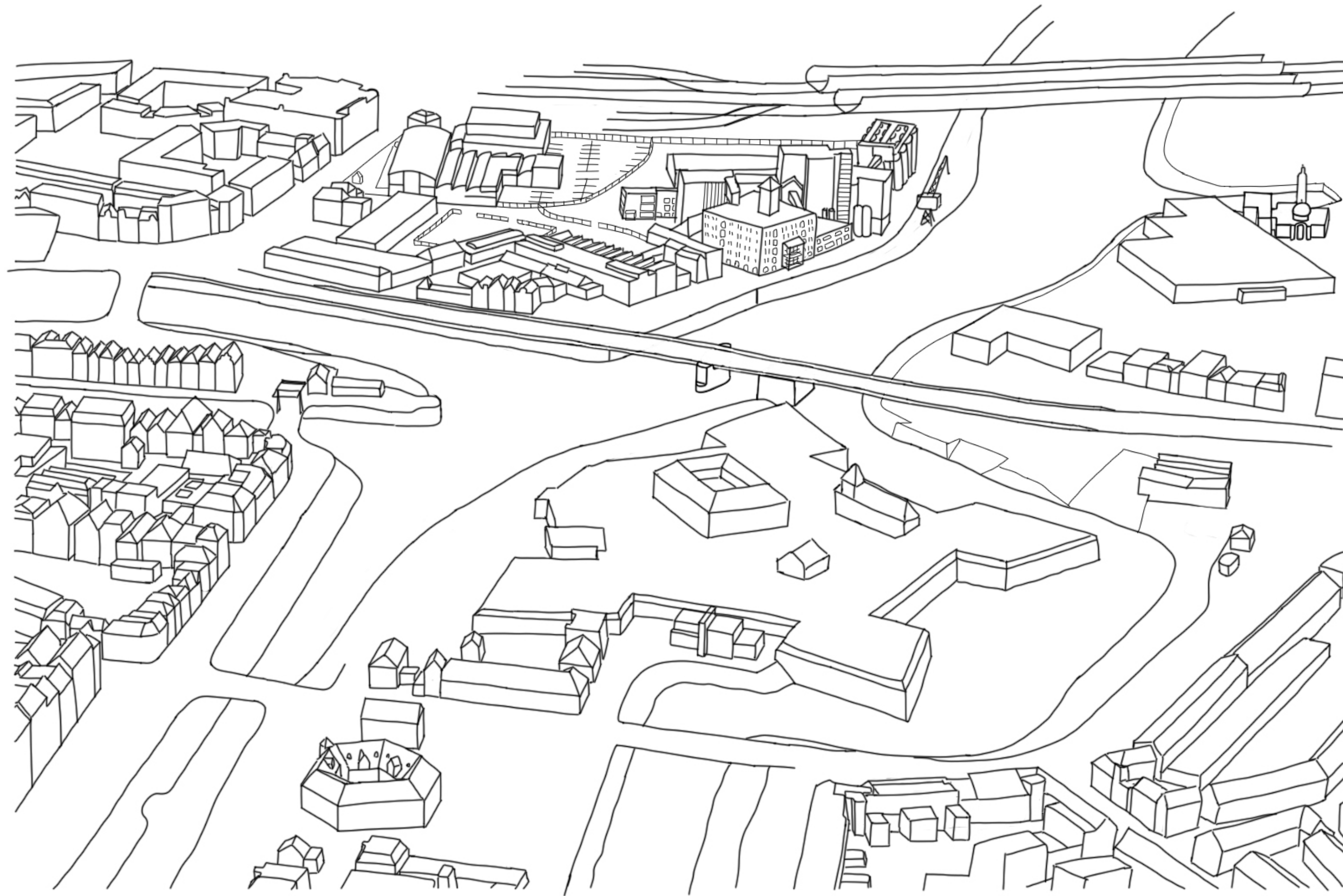
qualities



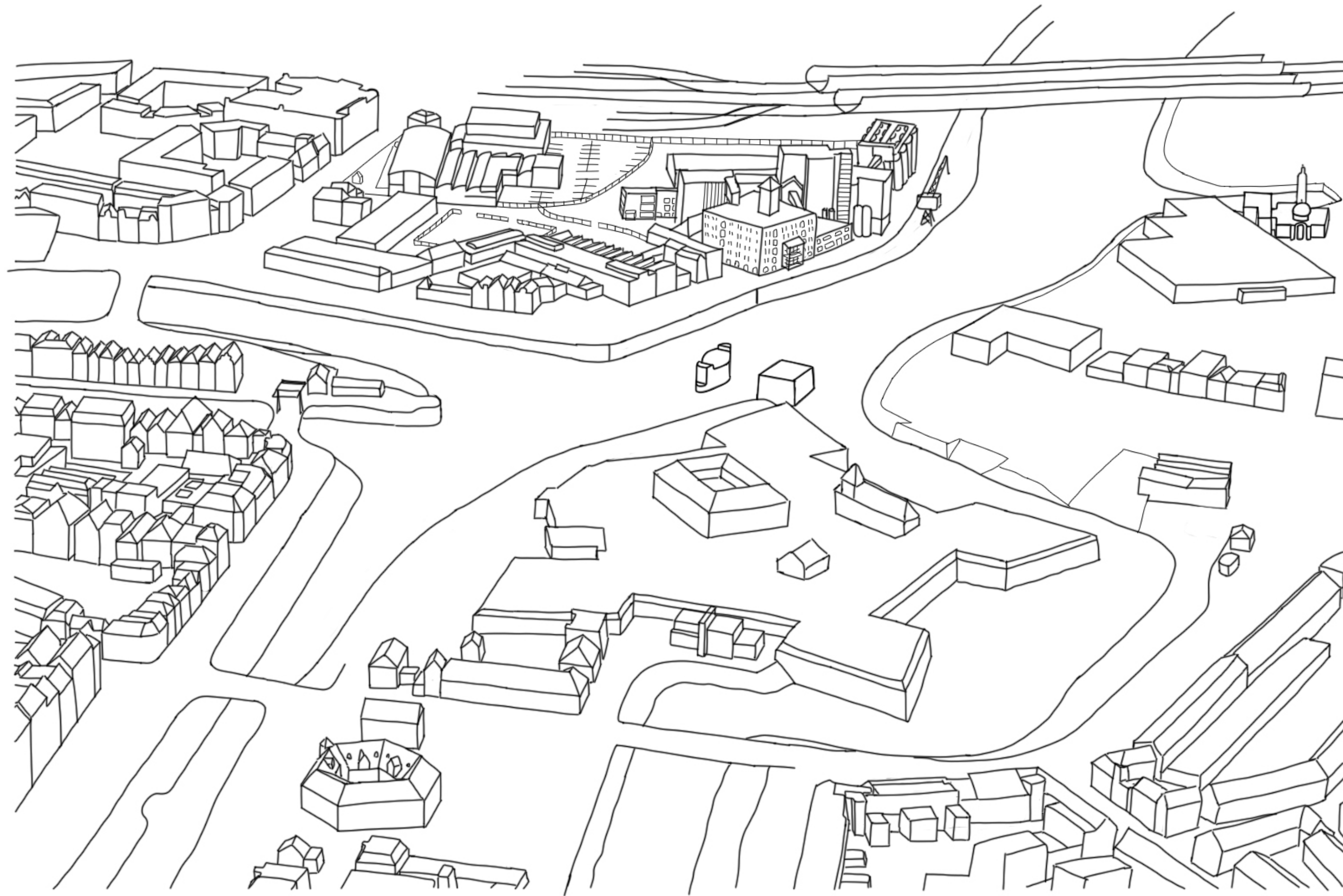
stichting weeshuisjes

KICKSTARTERS FOR DEVELOPMENT

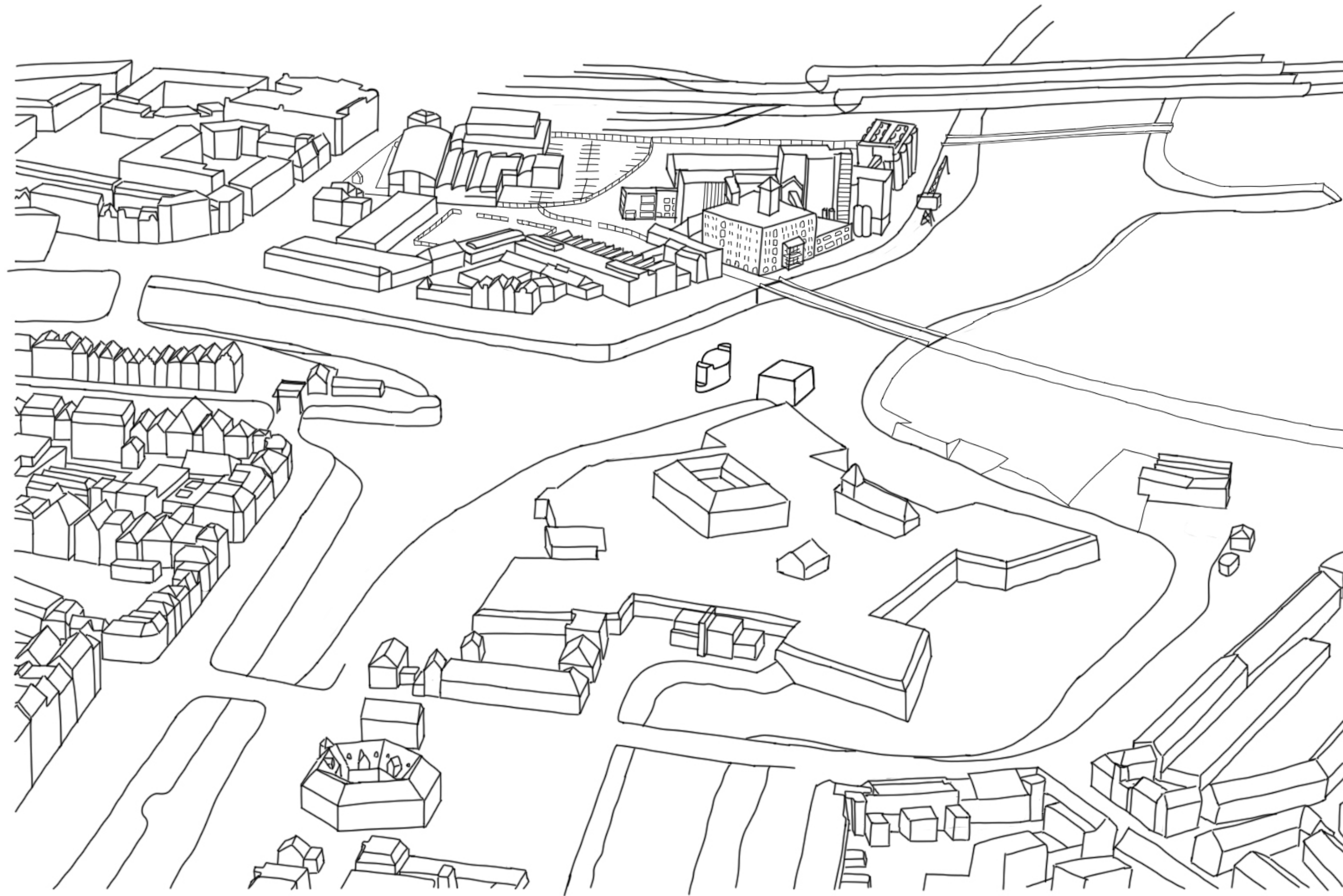
by the municipality in 2025



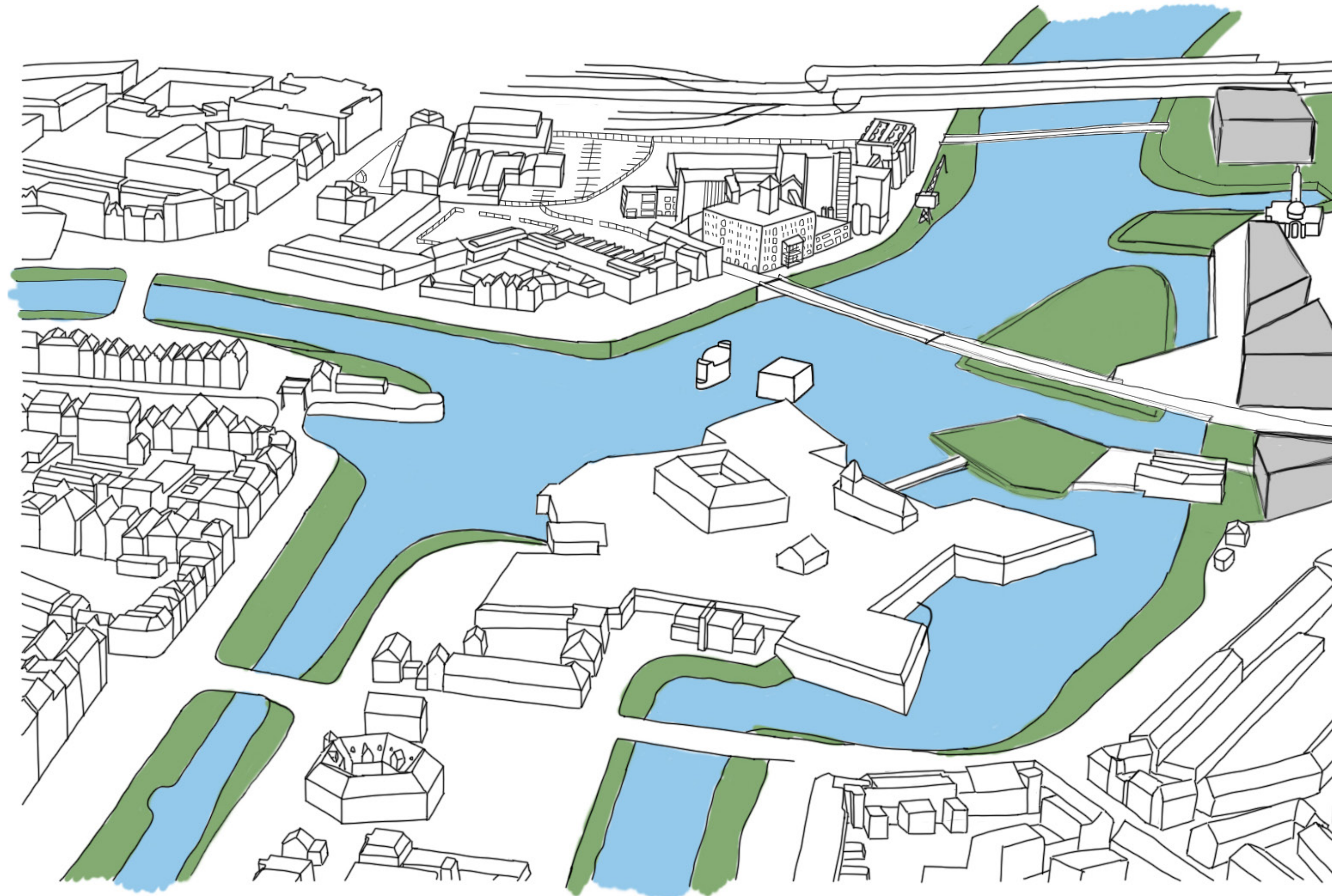
current situation



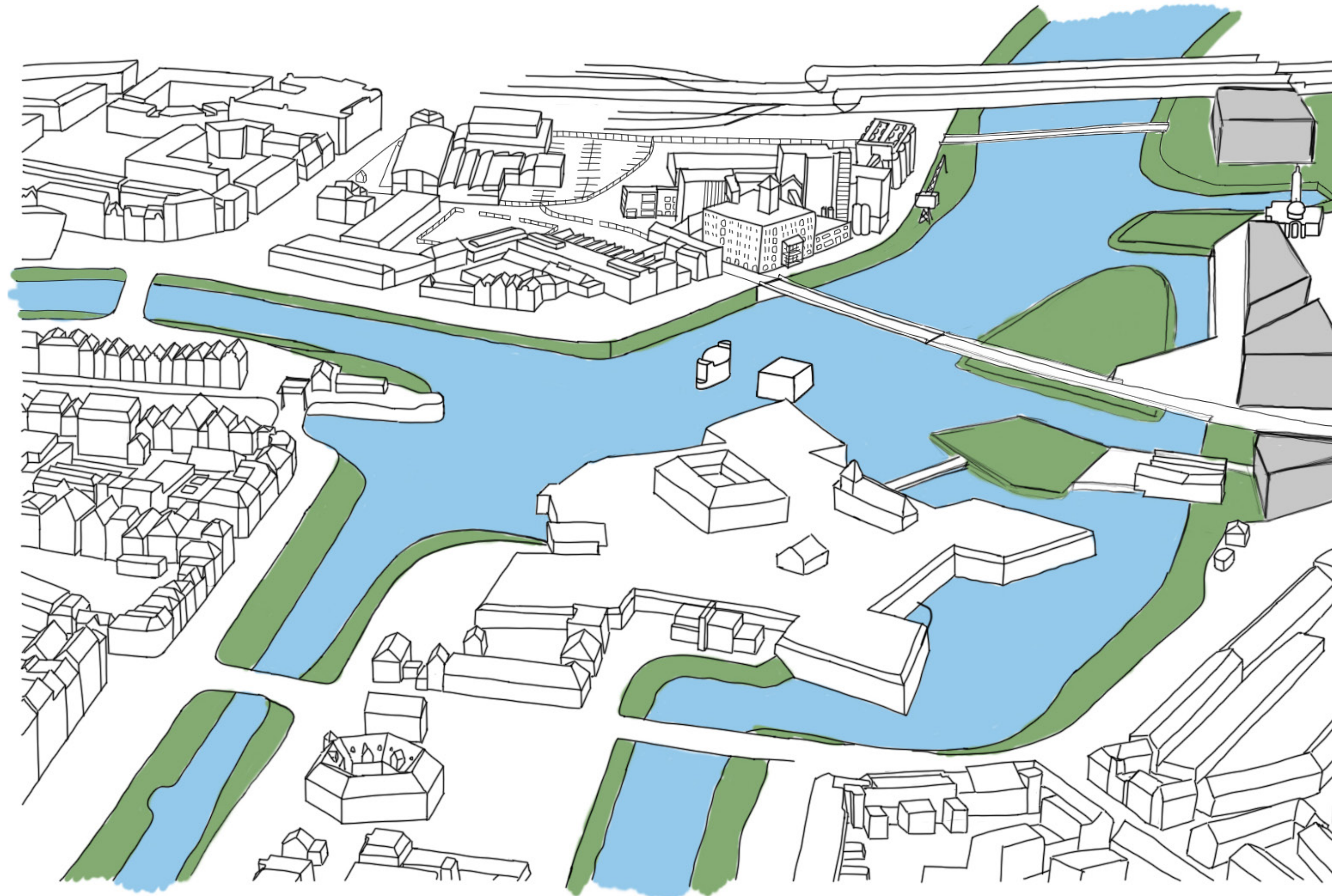
removal of the Diezebrug



addition of two bridges



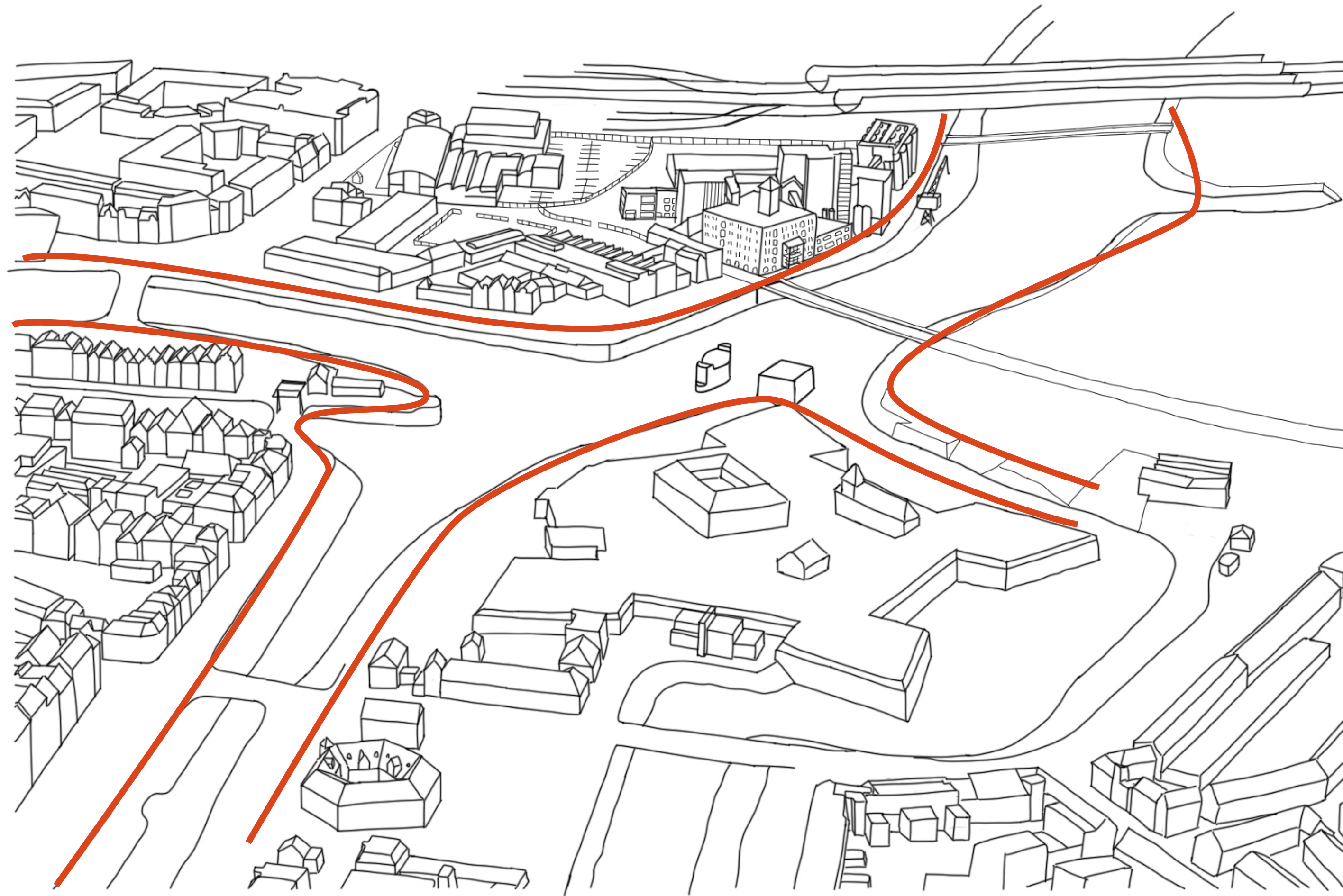
redevelopment of Orthenpoort-Zuid and Kop van 'tZand



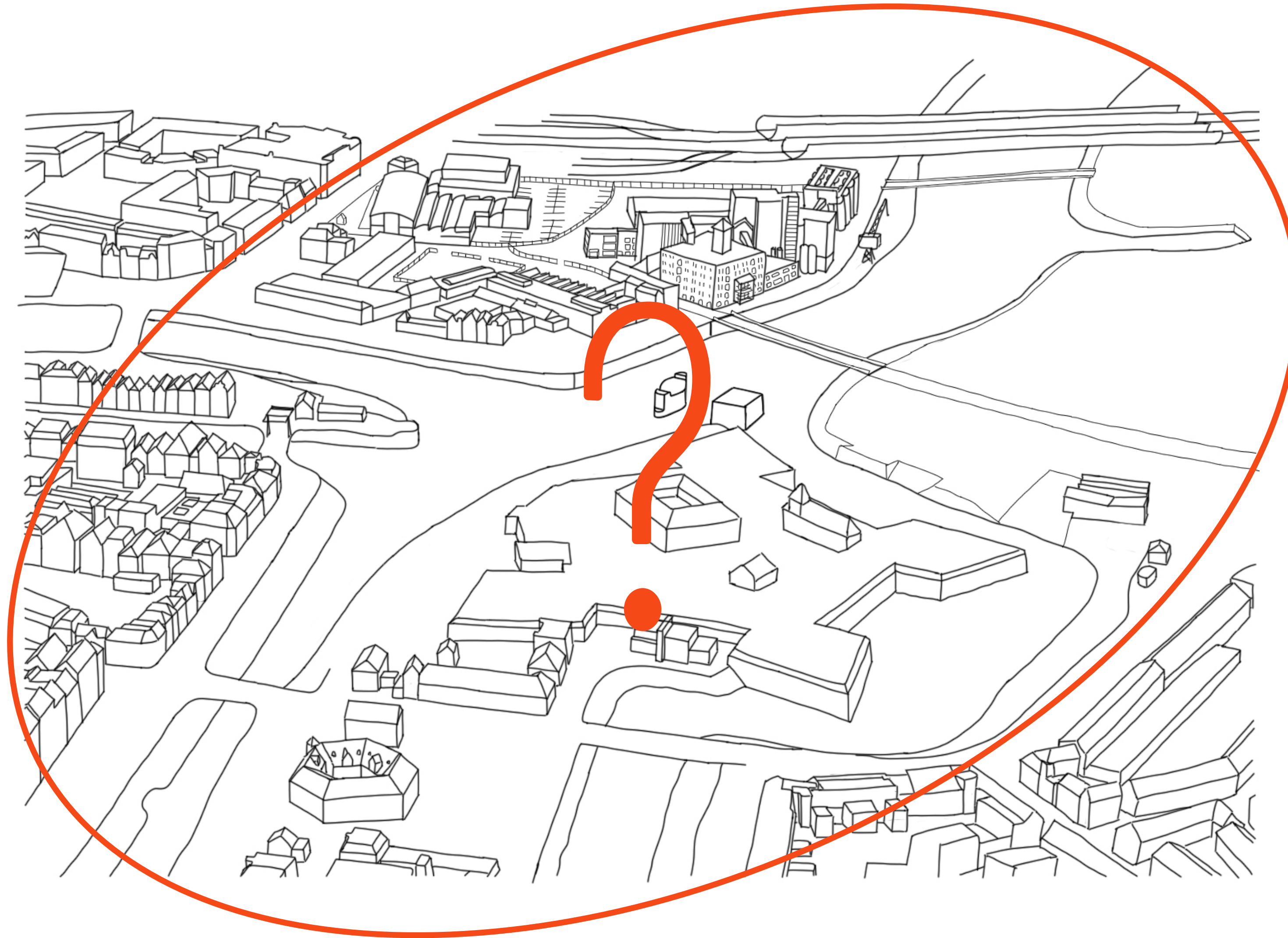
*more space for watermanagement
floodable land and nature quays to improve biodiversity*

ALL IN ALL

it is a place with lots of qualities and potential qualities



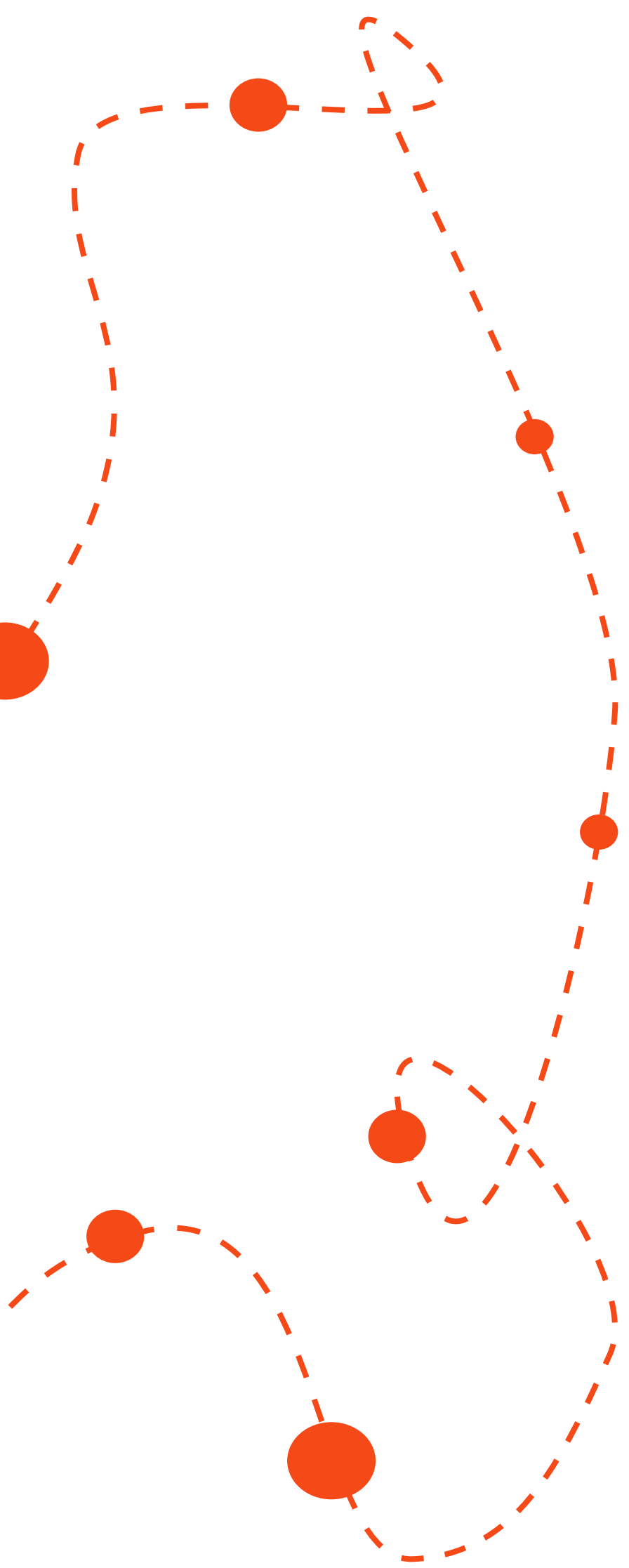
physically disconnected: by water



emotionally disconnected: lack of shared identity

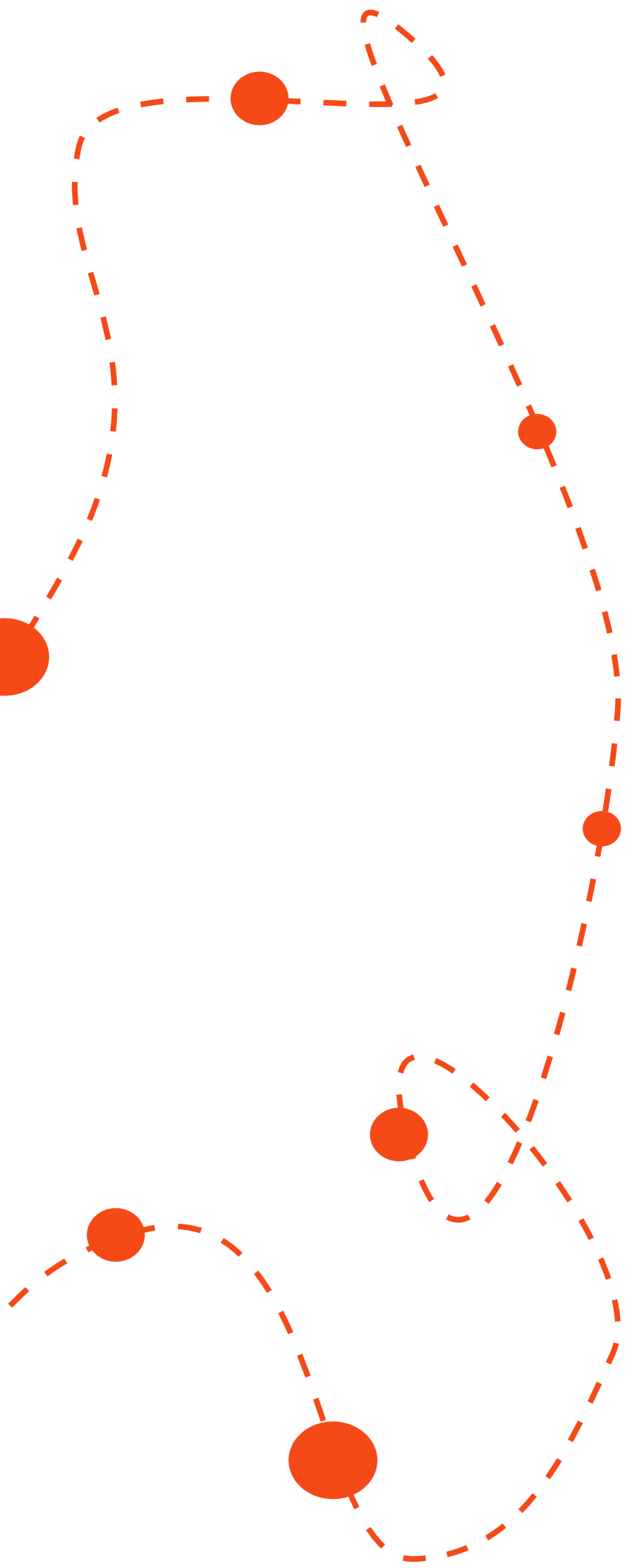
JUST A NAME?

making the bossche stadsdelta experiencable



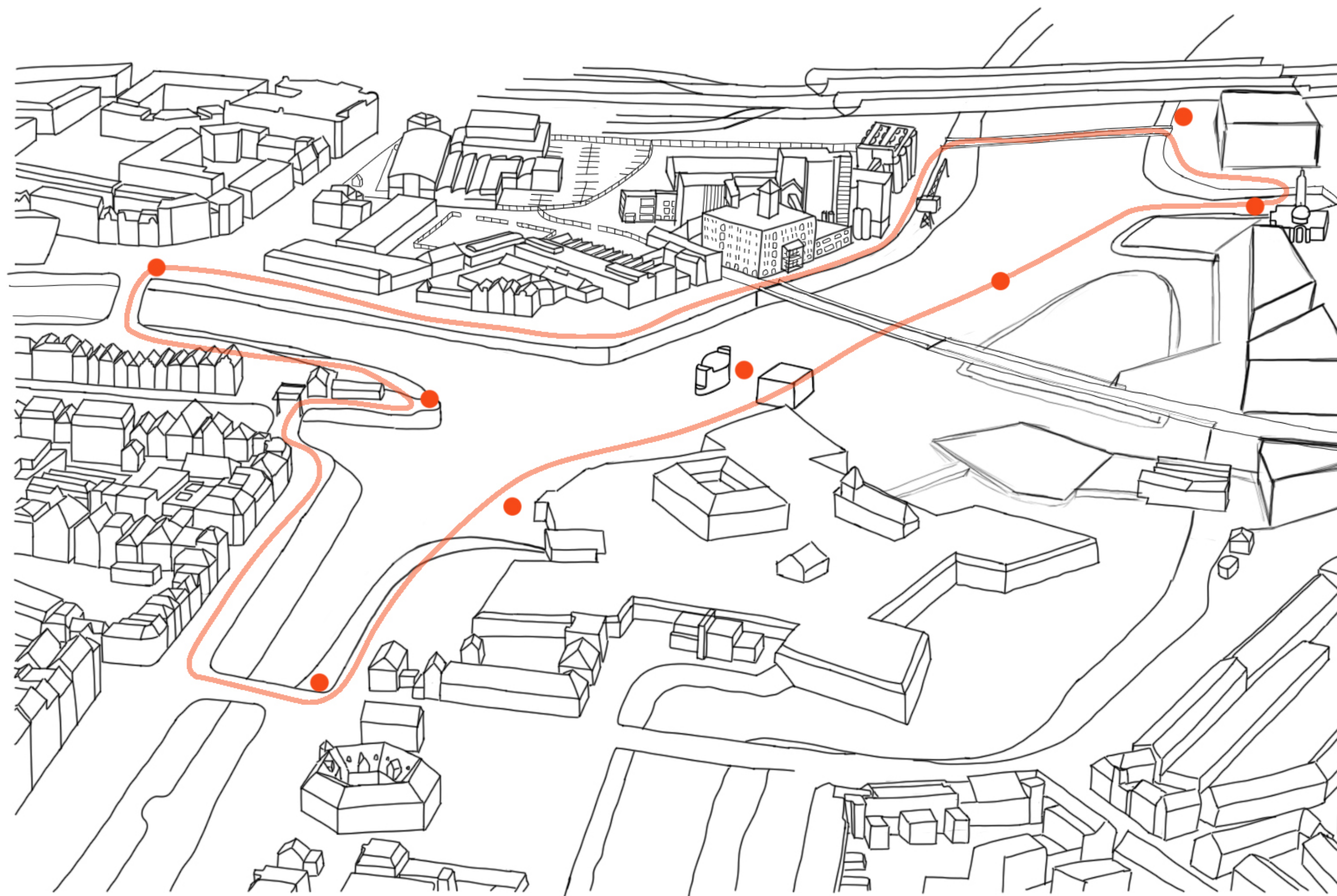
INTRODUCING A FOLLY ROUTE

...that amplifies the experience of the Bossche Stadsdelta.



FOLLY

...is an ornament of the Bossche Stadsdelta
...born from what is there
...a place to move along or stop

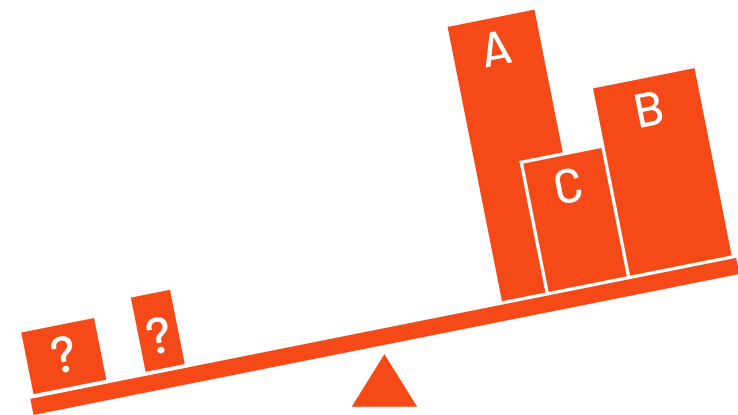


An abstract graphic featuring several orange dots of varying sizes connected by thin, flowing orange lines. The lines create a sense of movement and interconnectedness, with some lines looping back on themselves. The dots are scattered across the slide, with a higher concentration in the upper half. The overall aesthetic is clean and modern, with a focus on organic, hand-drawn shapes.

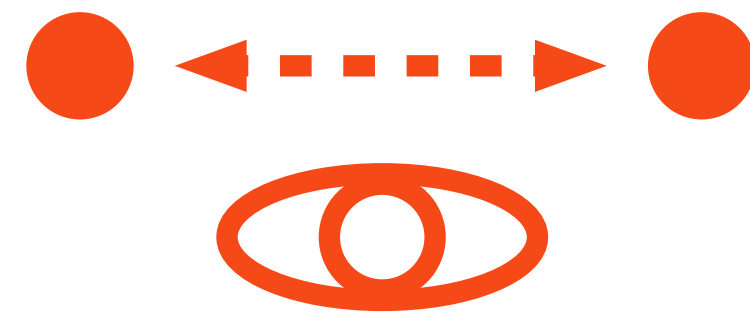
DESIGNING A FOLLY ROUTE

with traditional and non-traditional experimentation tools

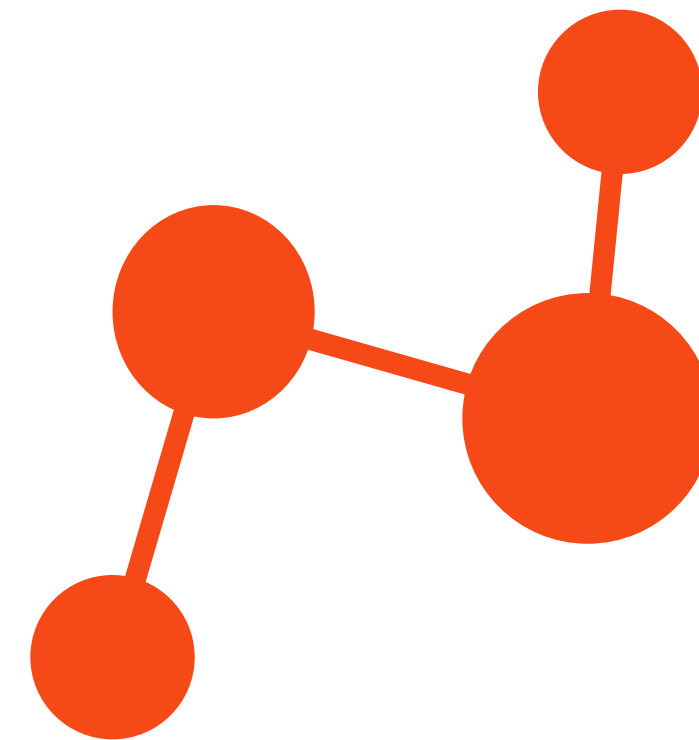
4 DESIGN PRINCIPLES



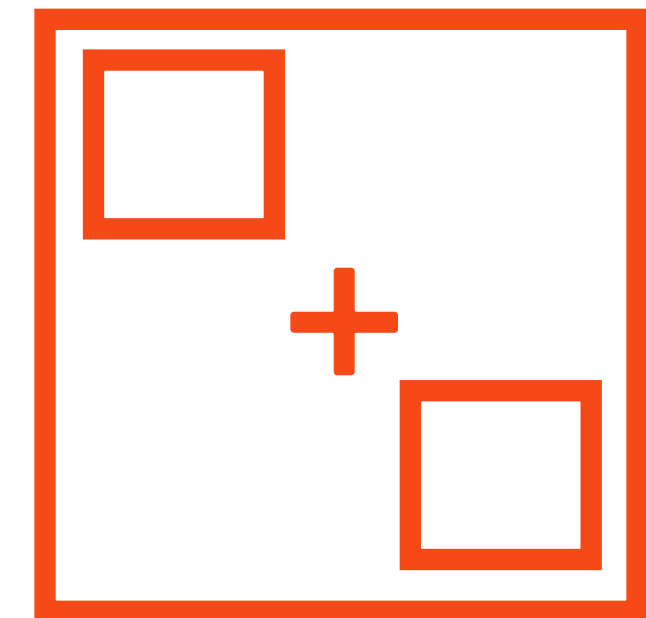
small scale
open to action



sightlines



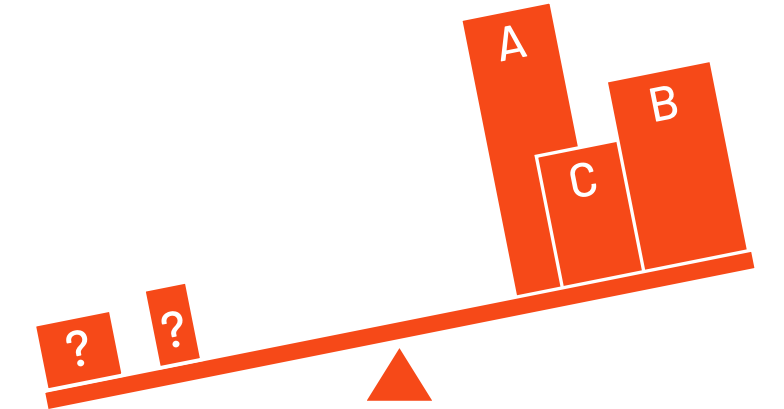
shared language



sensitive
synergy

SMALL SCALE SPACES

which are open to action



Een zakje op tafel.

Er staat op geschreven:

Open mij! Het is voor jou!

Voor degene die van mij houden.

Er zitten armbanden in en een ring.

Ik denk zelfgemaakt. Mooi gedaan...

En wat een gebaar!

De gunfactor is hier hoog.

Het is hier koud,

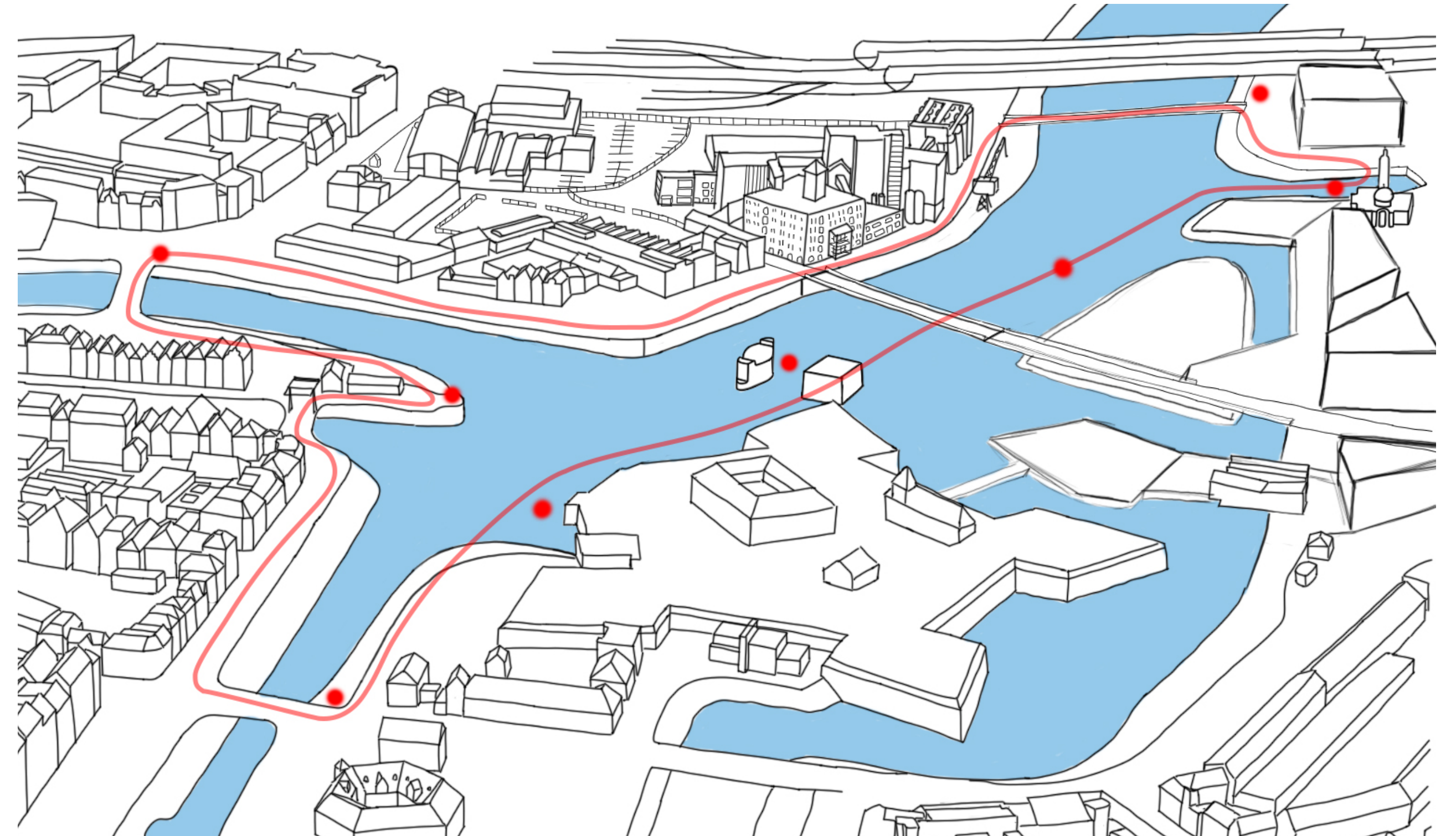
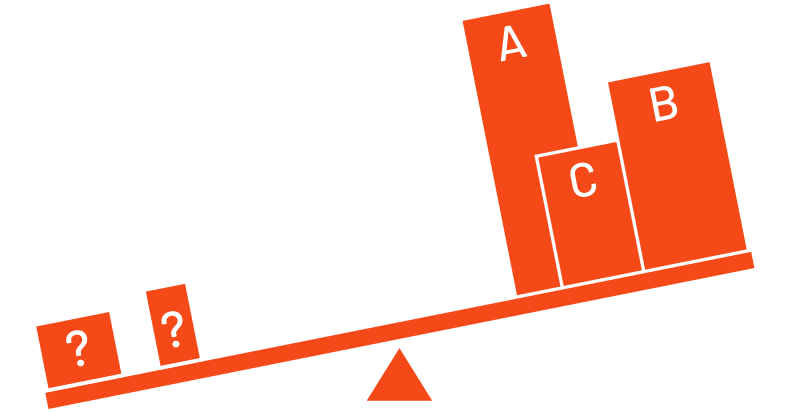
Mijn handen zijn bevroren,

Maar van binnen ben ik warm.



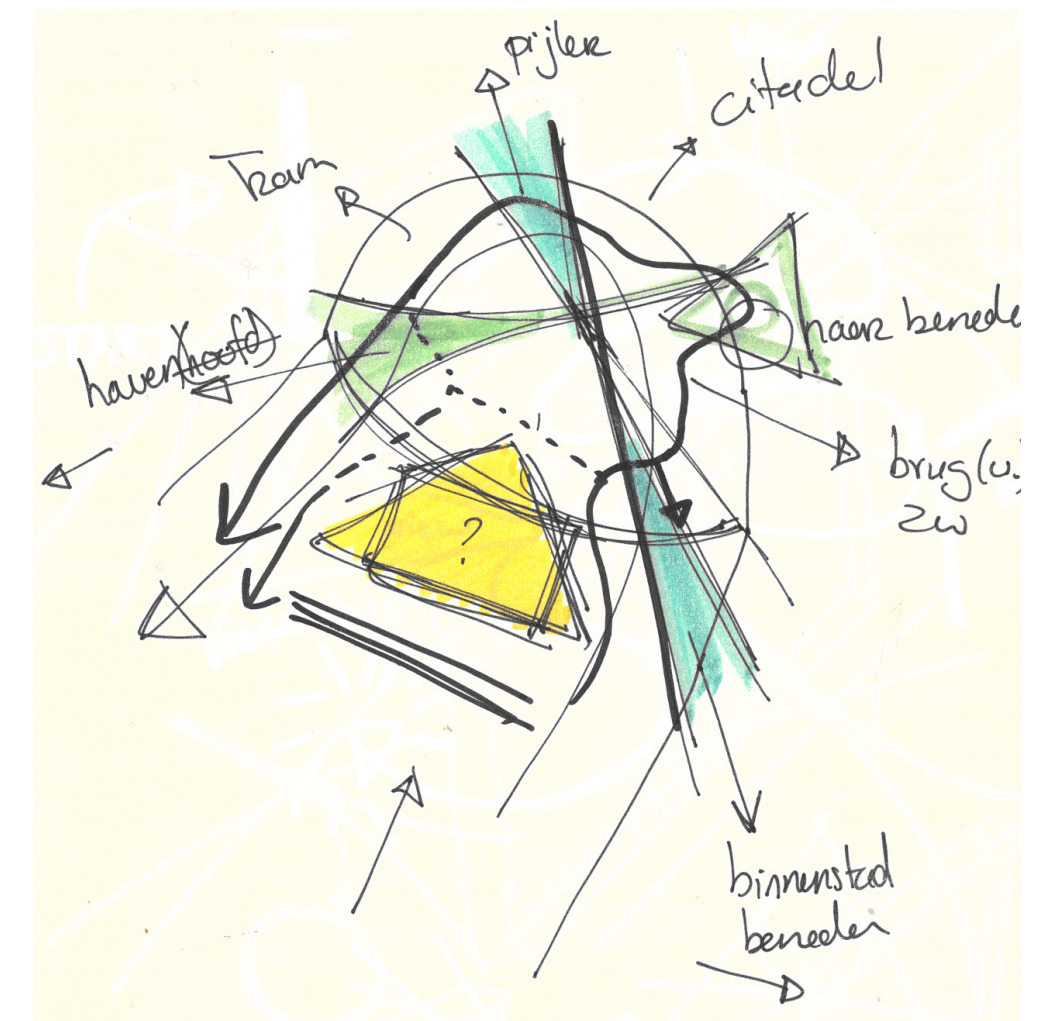
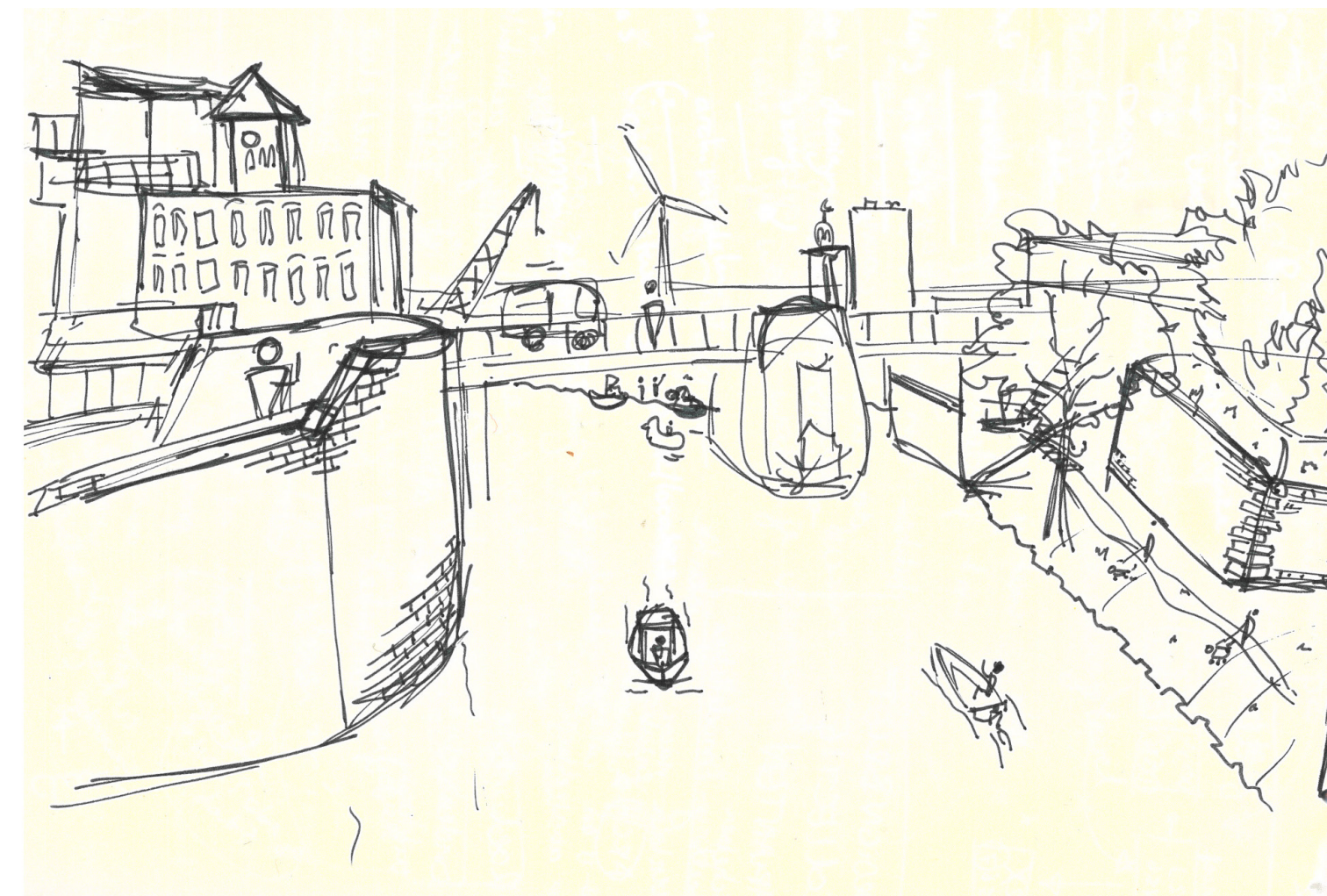
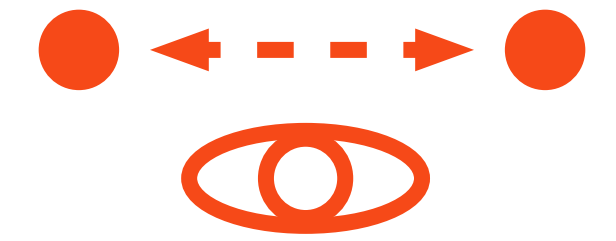
SMALL SCALE SPACES

which are open to action



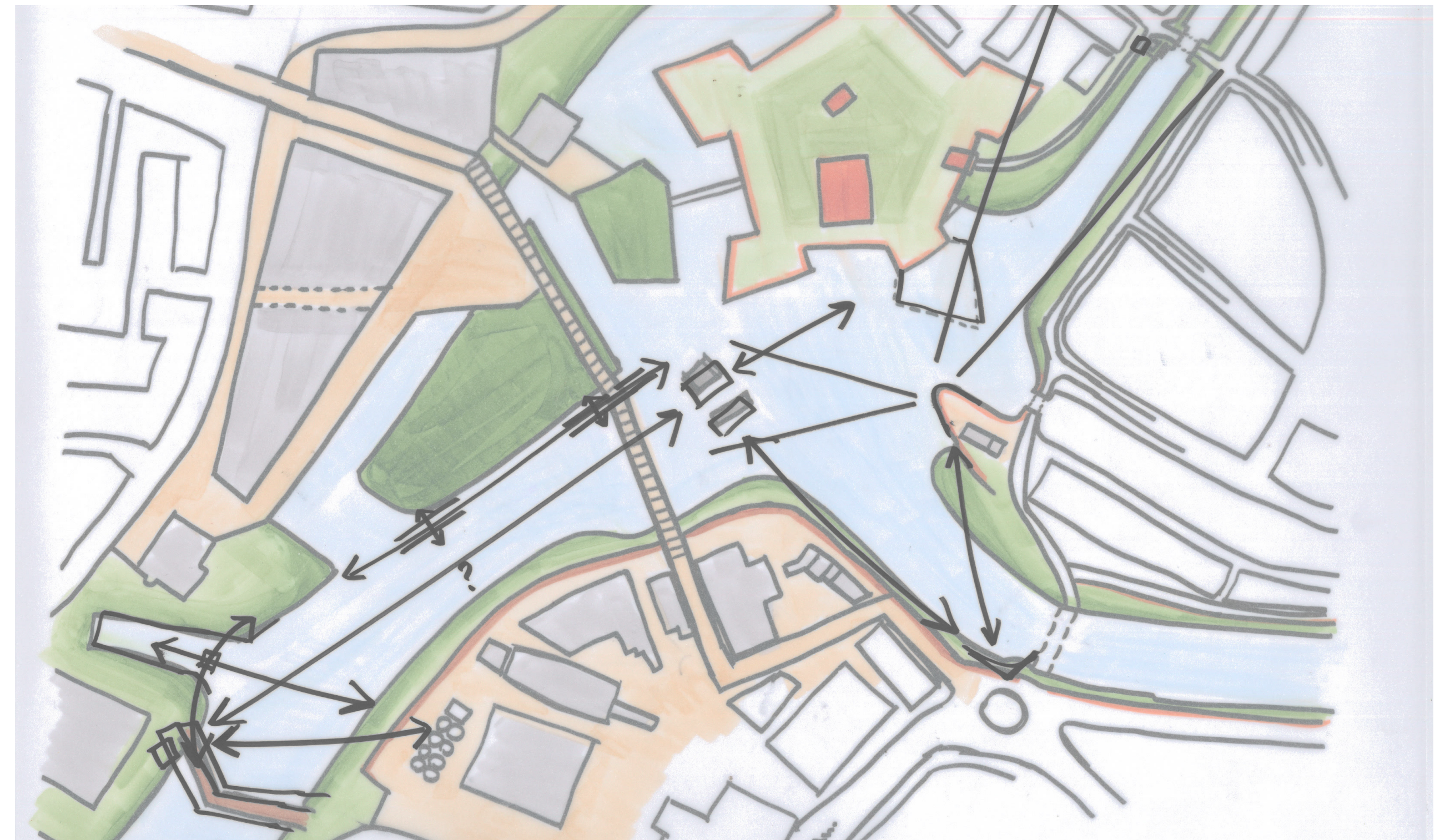
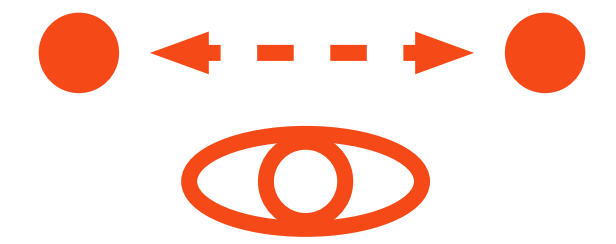
SIGHTLINES

by positioning them along the water



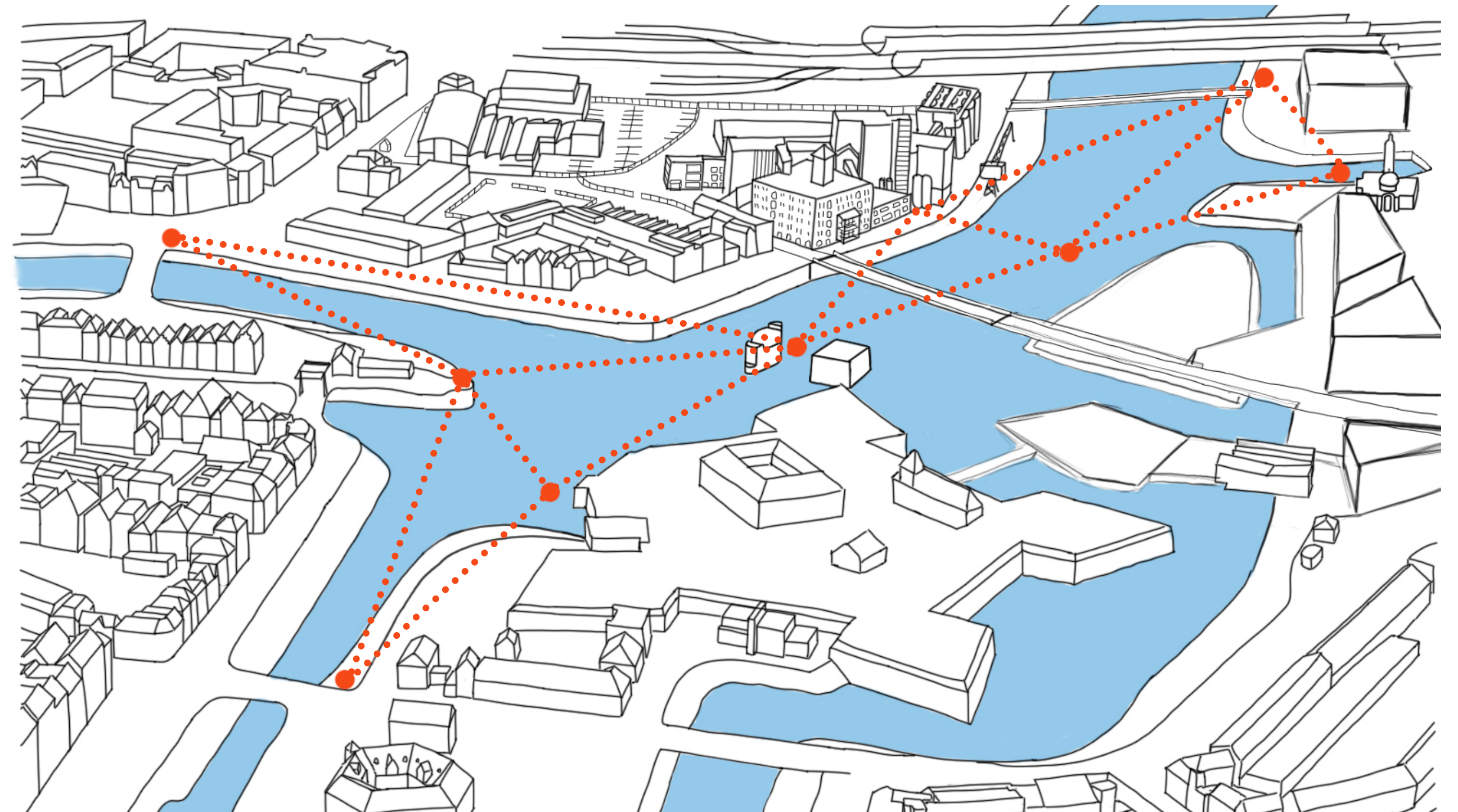
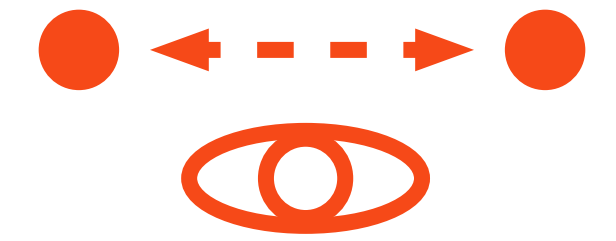
SIGHTLINES

by positioning them along the water



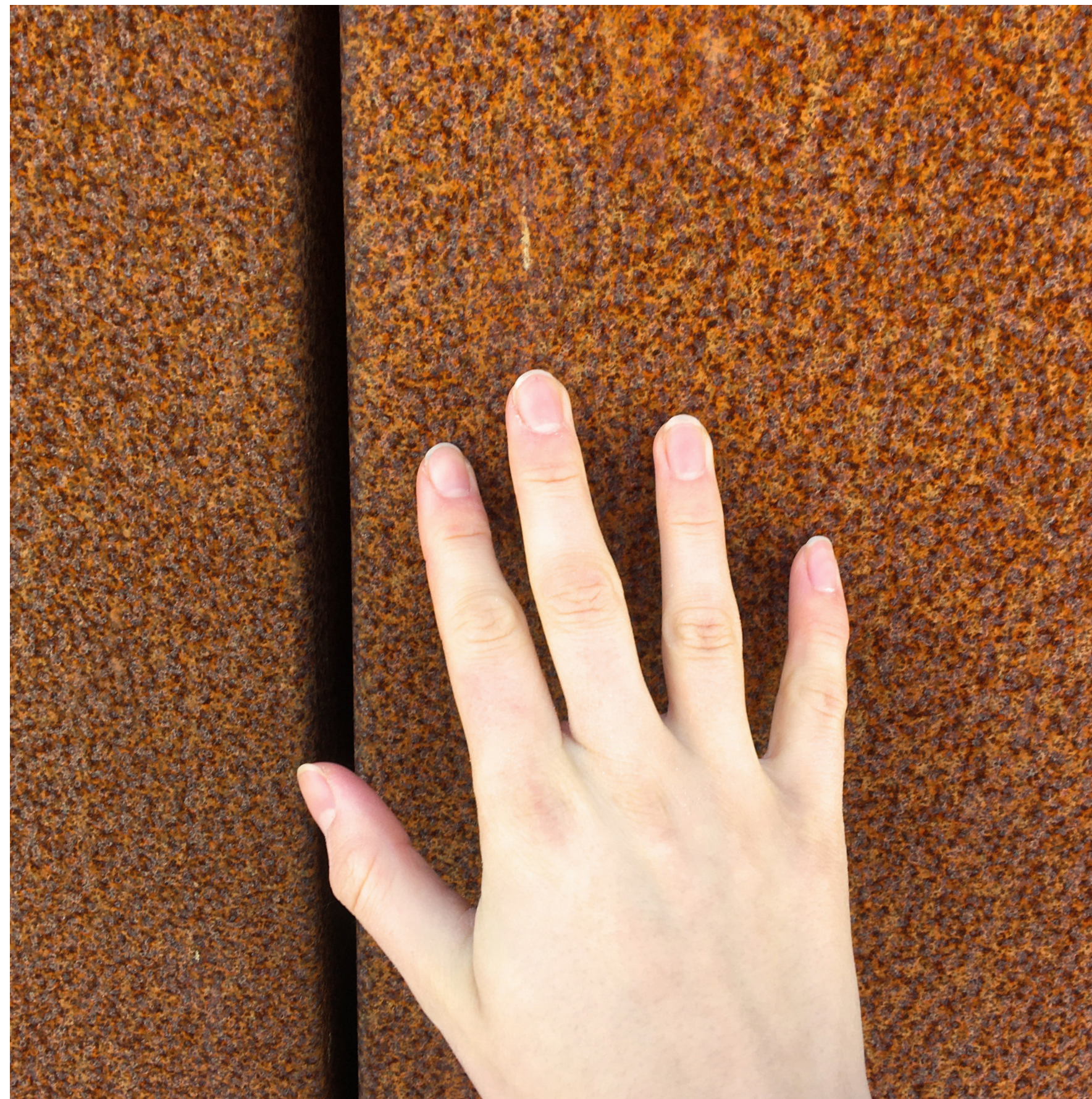
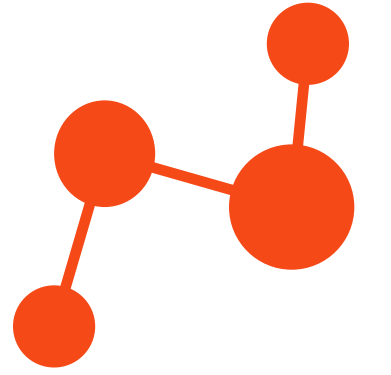
SIGHTLINES

by positioning them along the water



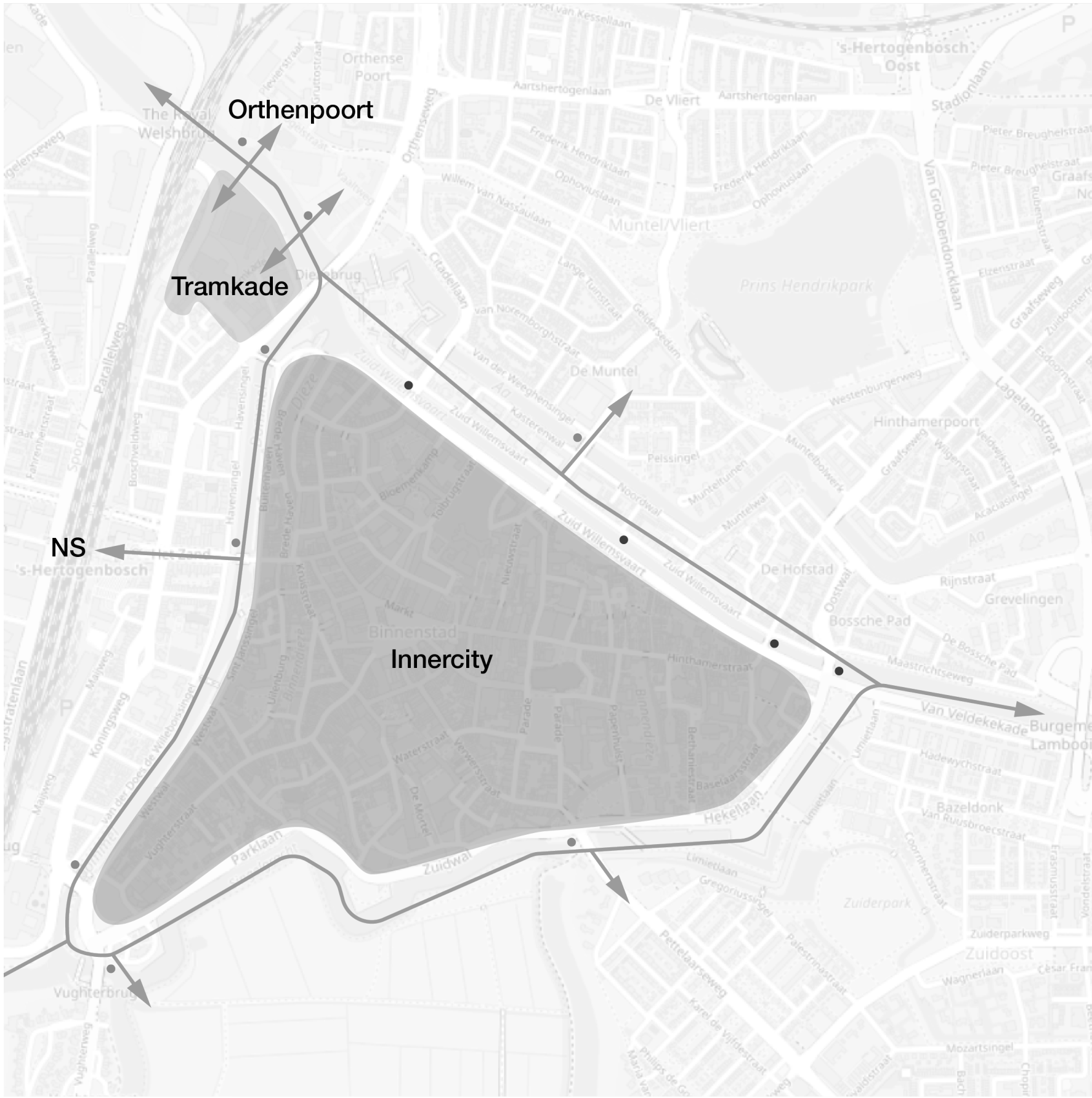
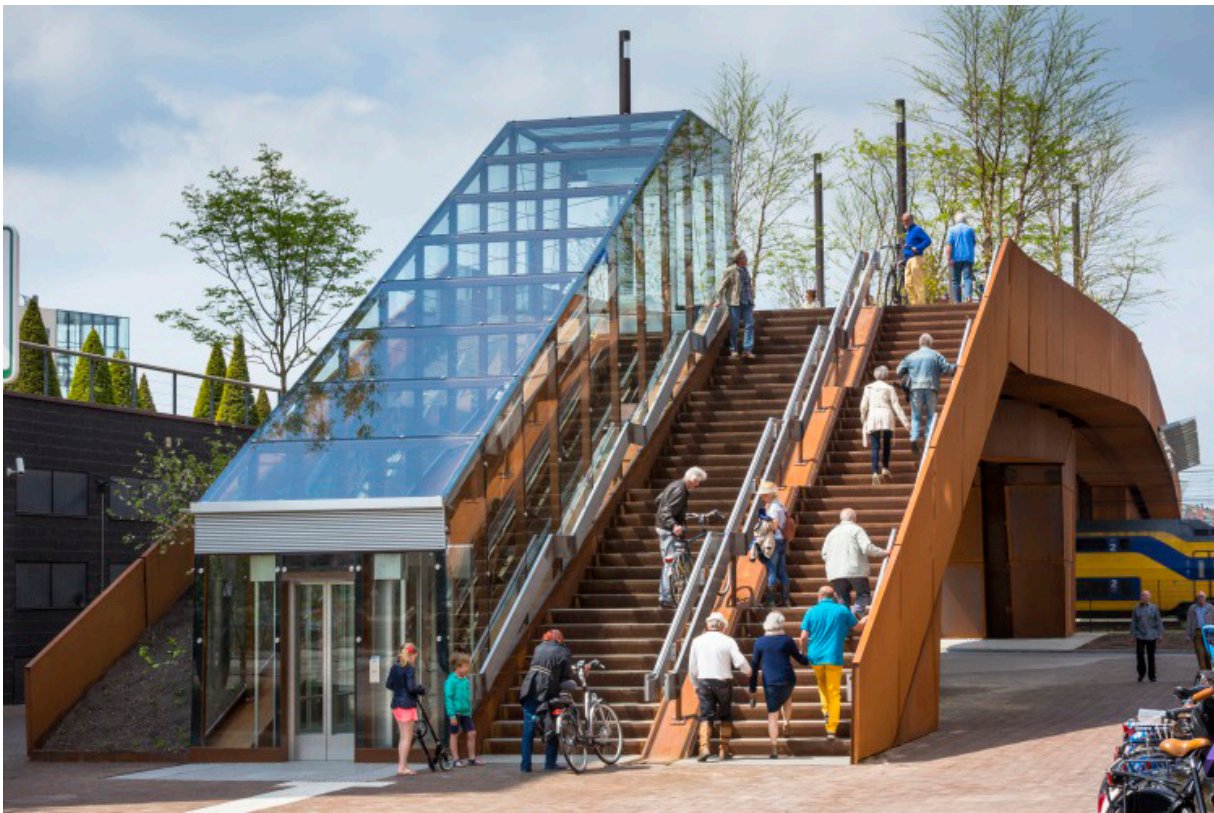
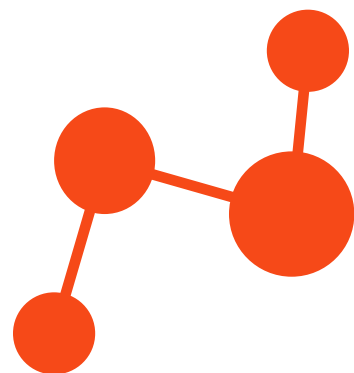
SHARED LANGUAGE

in materialisation and form



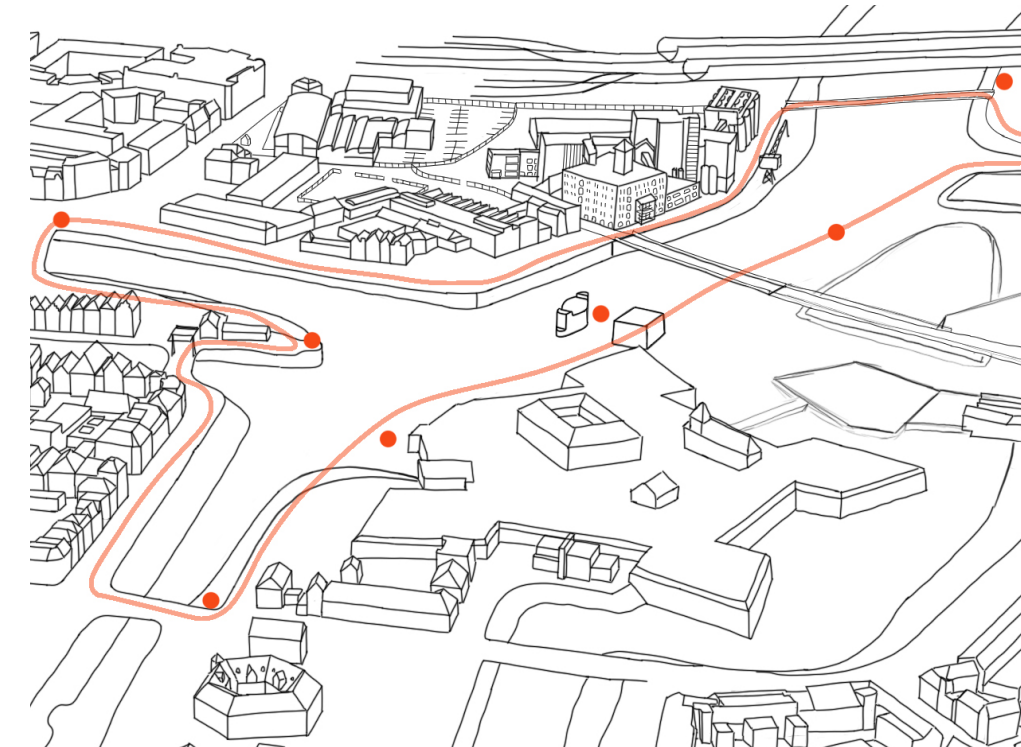
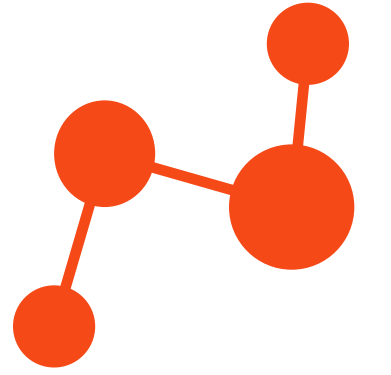
SHARED LANGUAGE CITY

in materialisation



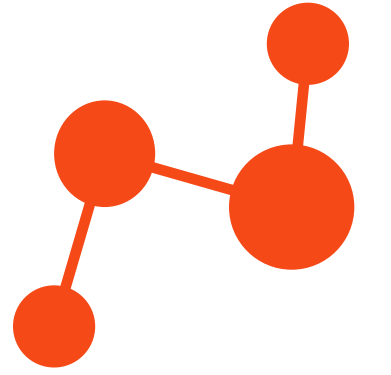
SHARED LANGUAGE DELTA

in materialisation and form



SHARED LANGUAGE DELTA

in materialisation and form



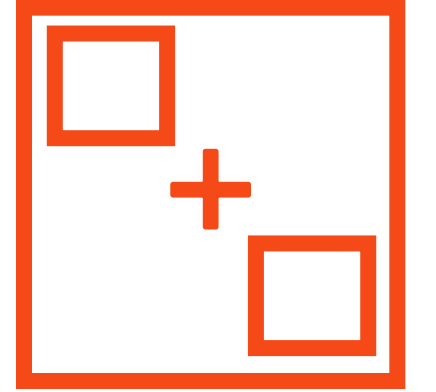
CONCRETE & BRICKWORK
CORTEN STEEL
STEEL
WOOD

- the fundamental materials -
- the connecting material -
- the facilitating material -
- the touch material -



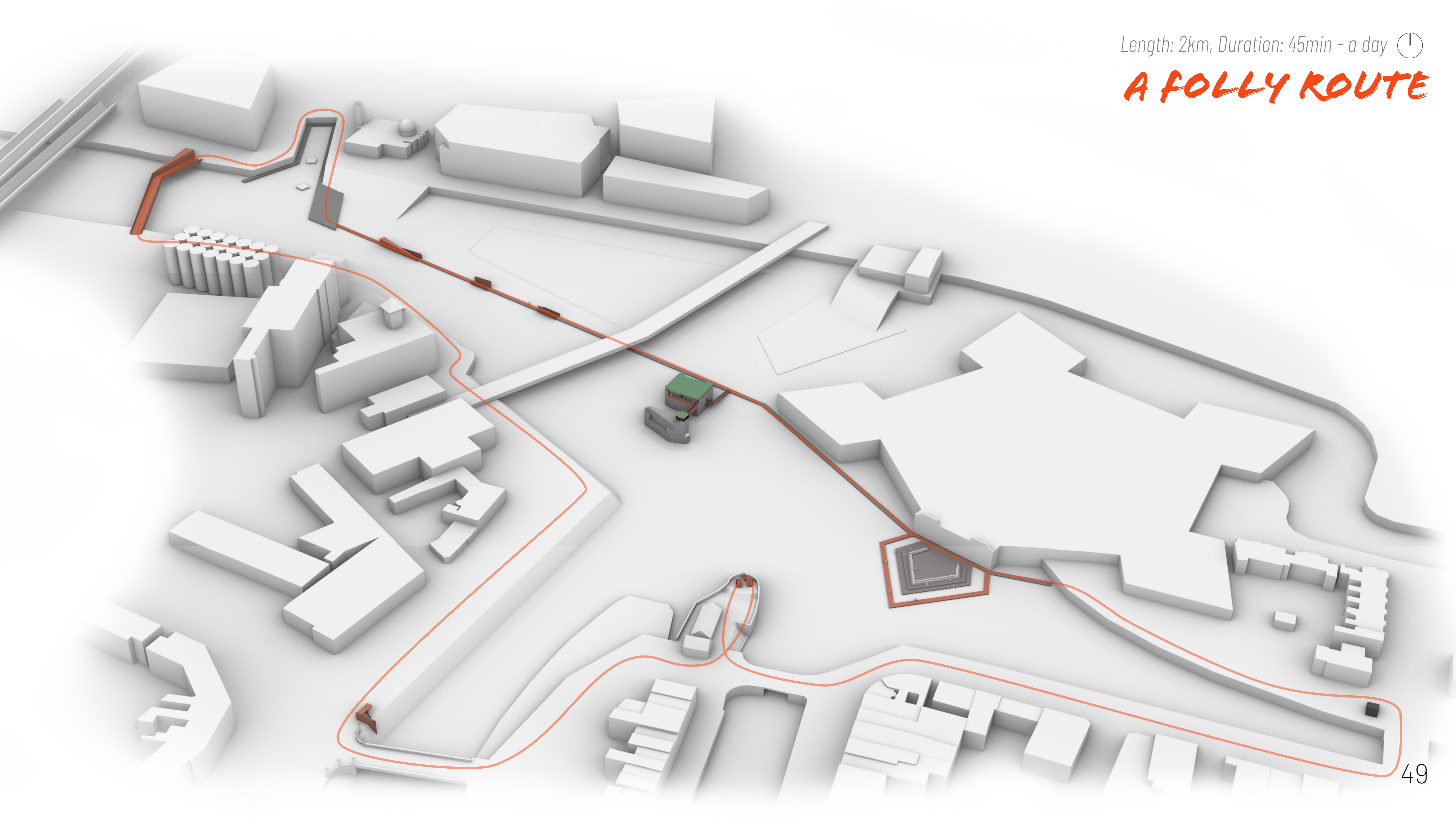
SENSITIVE SYNERGY

amplifying existing qualities by introducing new qualities



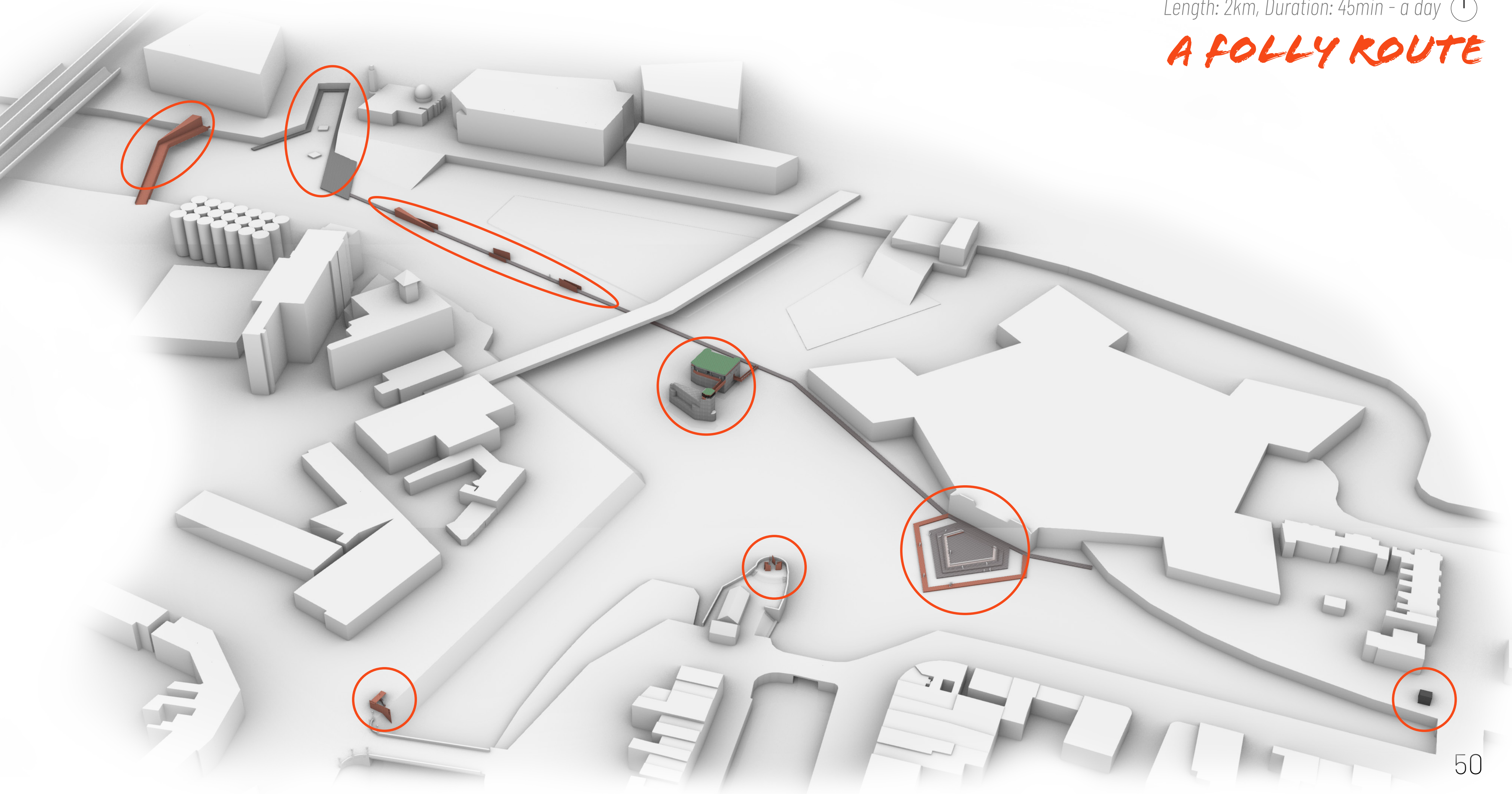
Length: 2km, Duration: 45min - a day ⌚

A FOLLY ROUTE



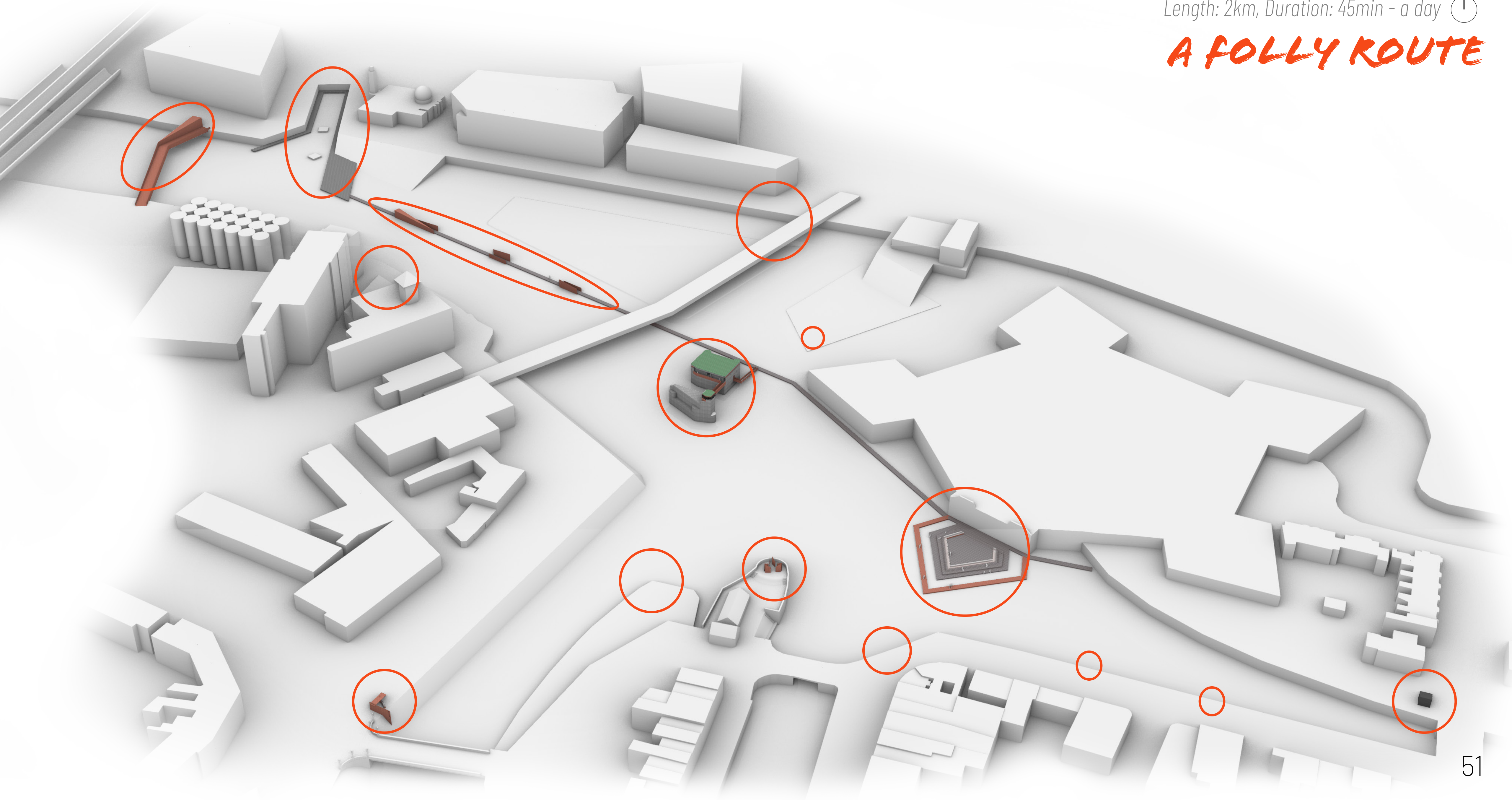
Length: 2km, Duration: 45min - a day 🕒

A FOLLY ROUTE



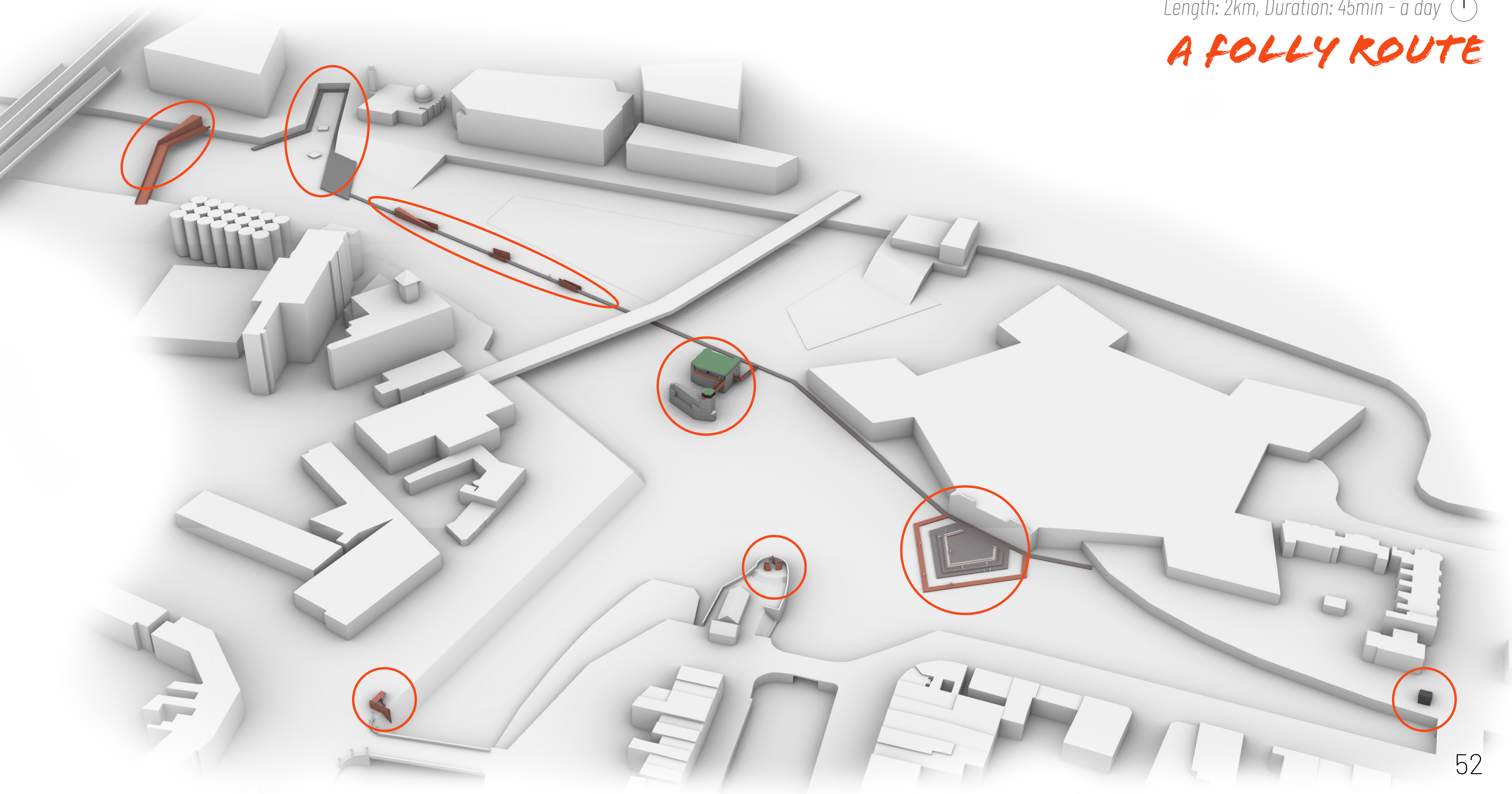
Length: 2km, Duration: 45min - a day 🕒

A FOLLY ROUTE



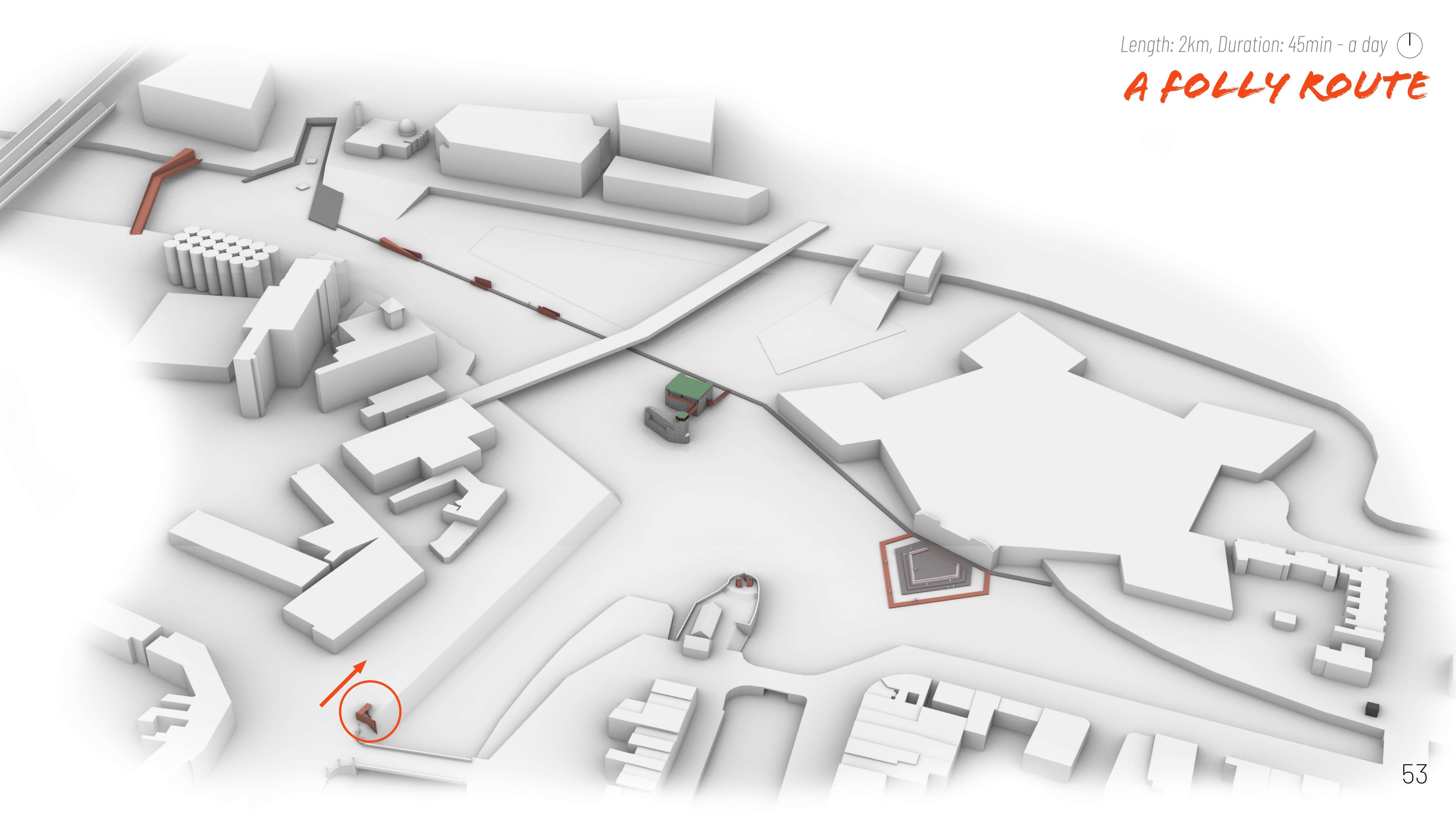
Length: 2km, Duration: 45min - a day 🕒

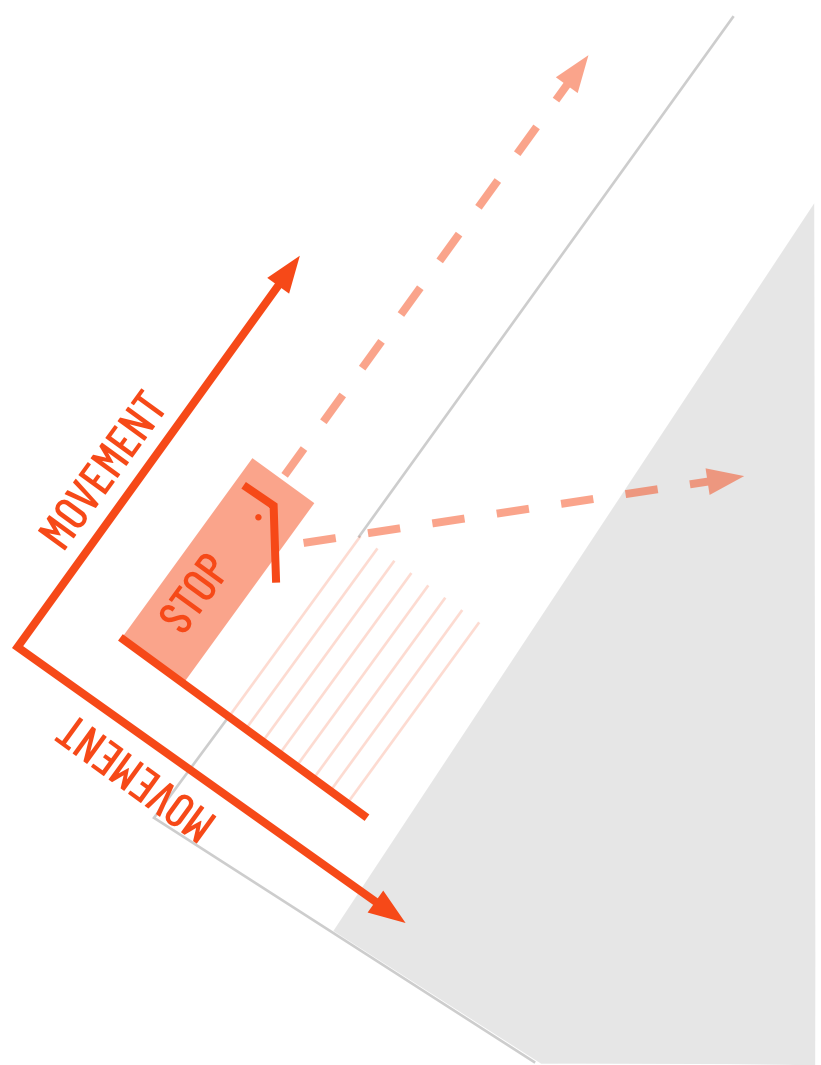
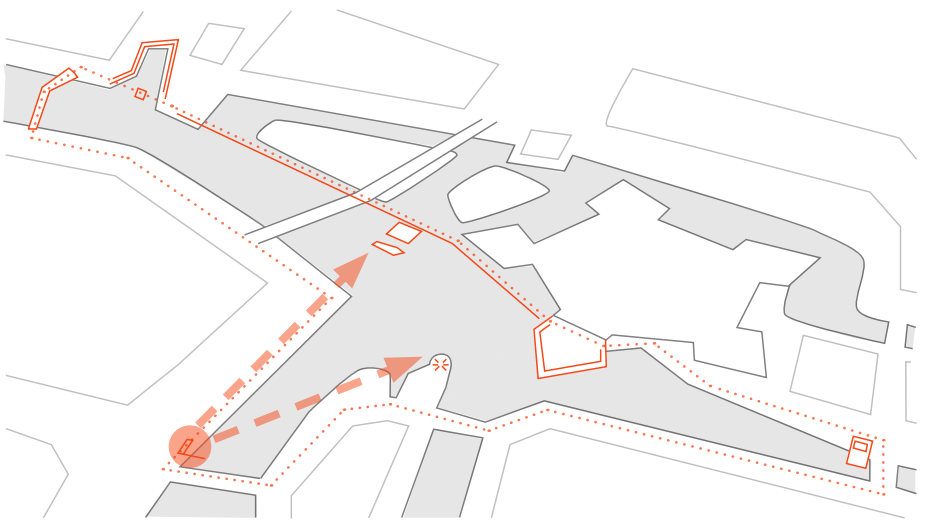
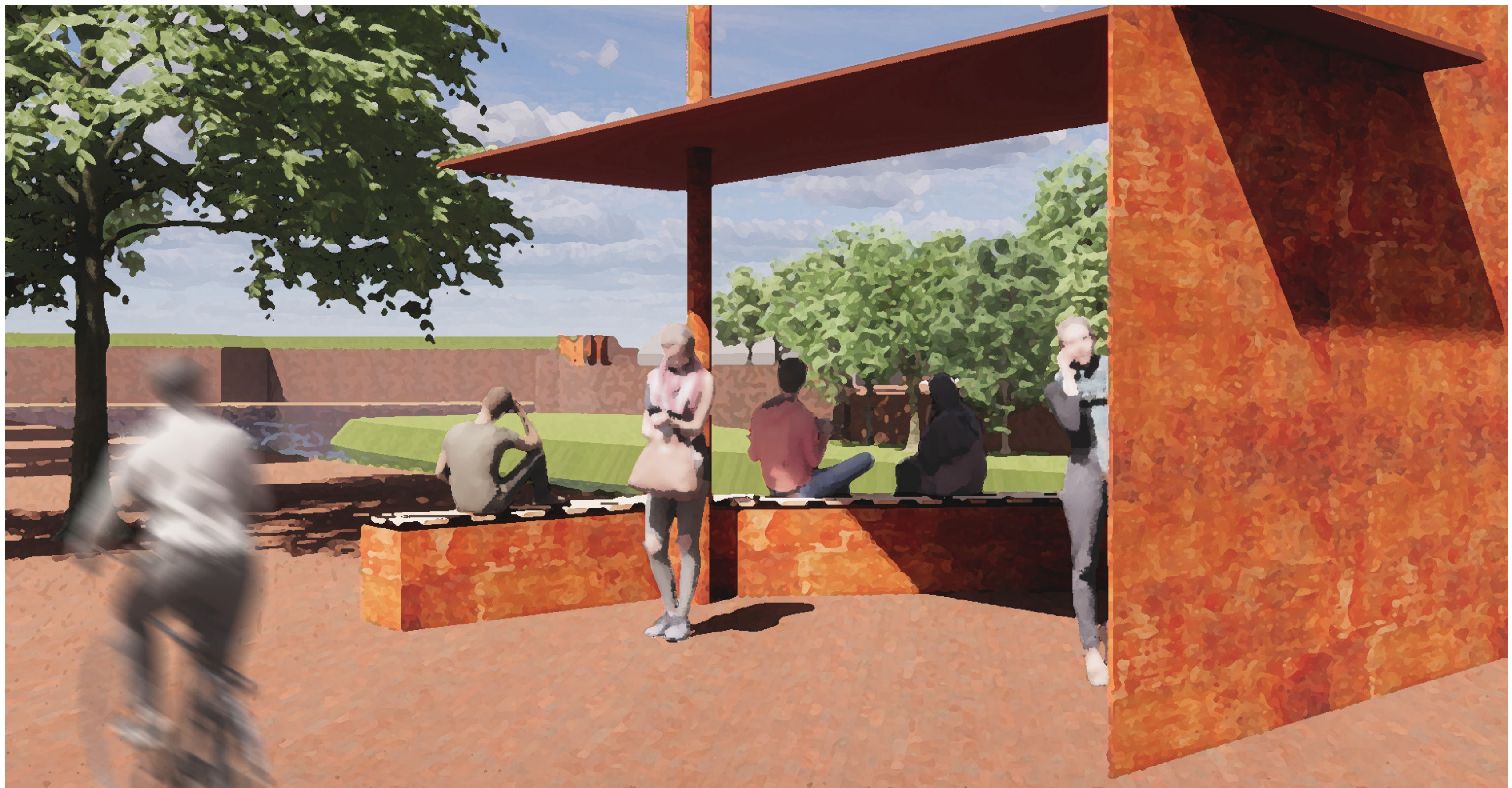
A FOLLY ROUTE



Length: 2km, Duration: 45min - a day 🕒

A FOLLY ROUTE





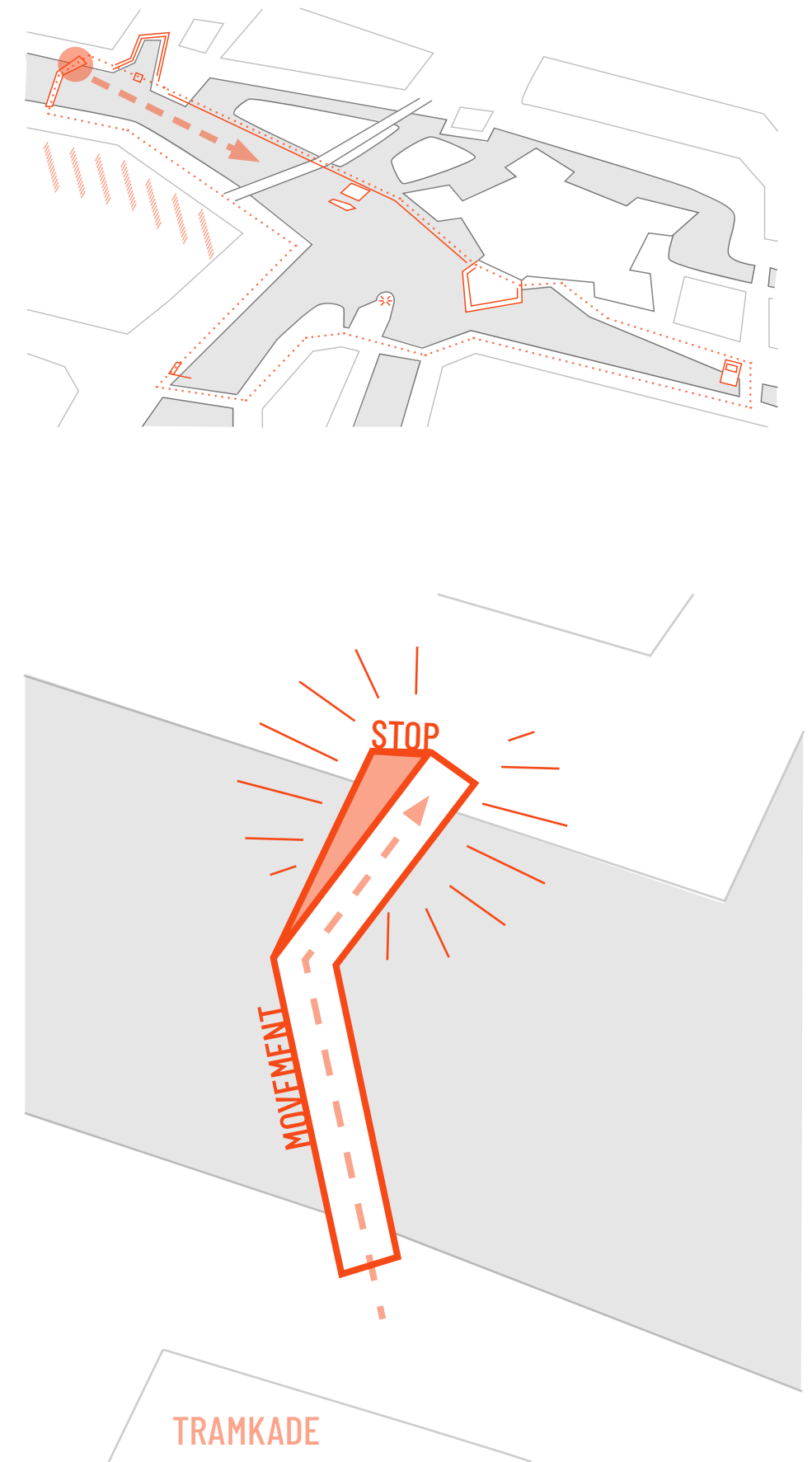
Bossche Busstop

A crossroad stop (sign) ...to give entrance, connect, wait, shelter, see...



De Kink

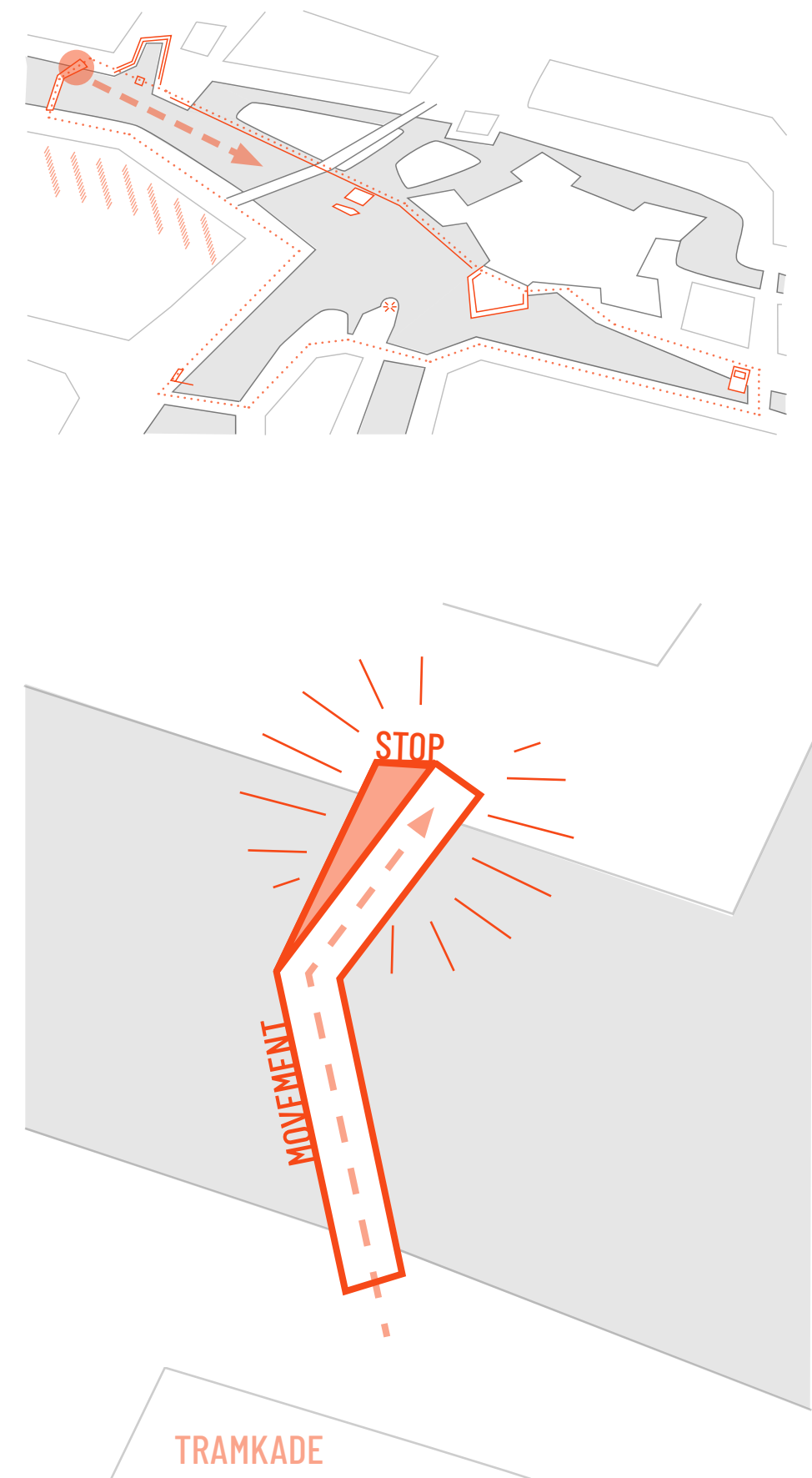
Adding a kinked bridge ...to lur accross, view, sit, eat, meet, experiment...





De Kink

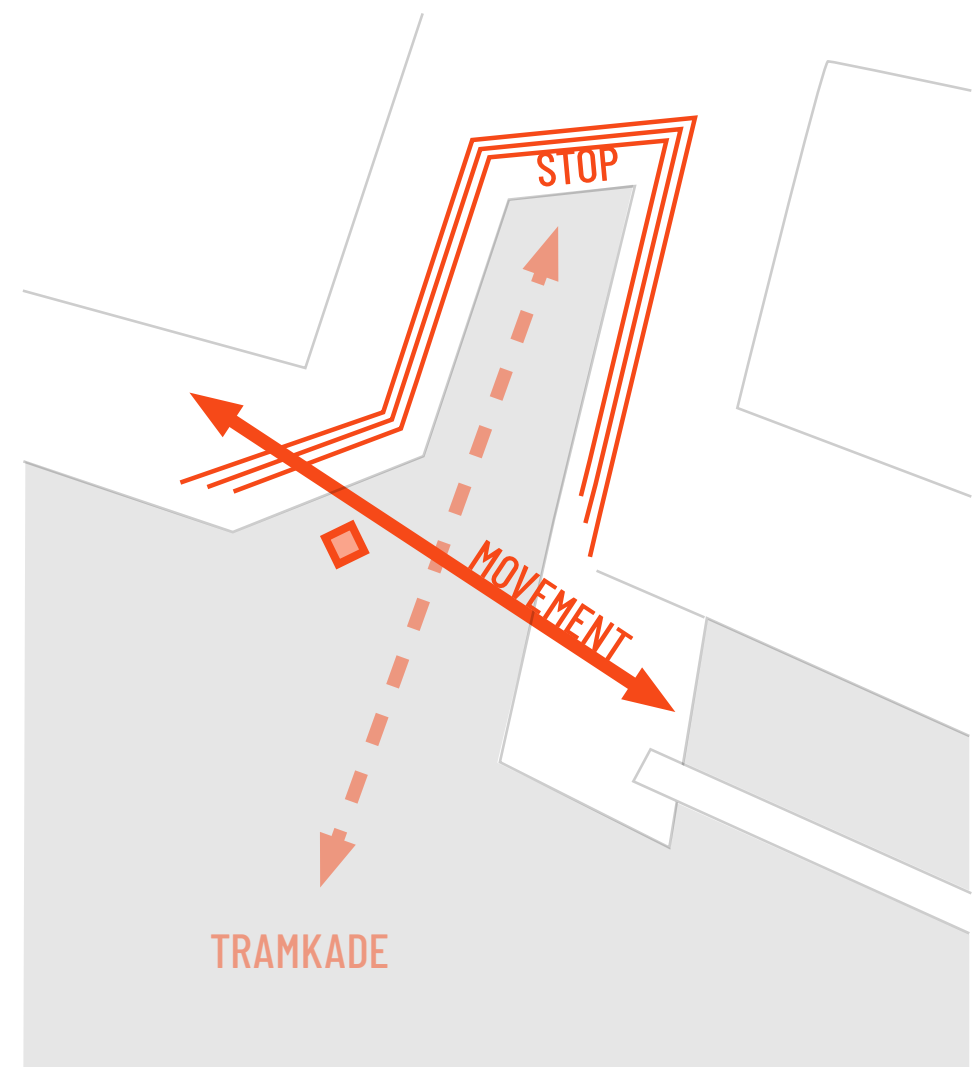
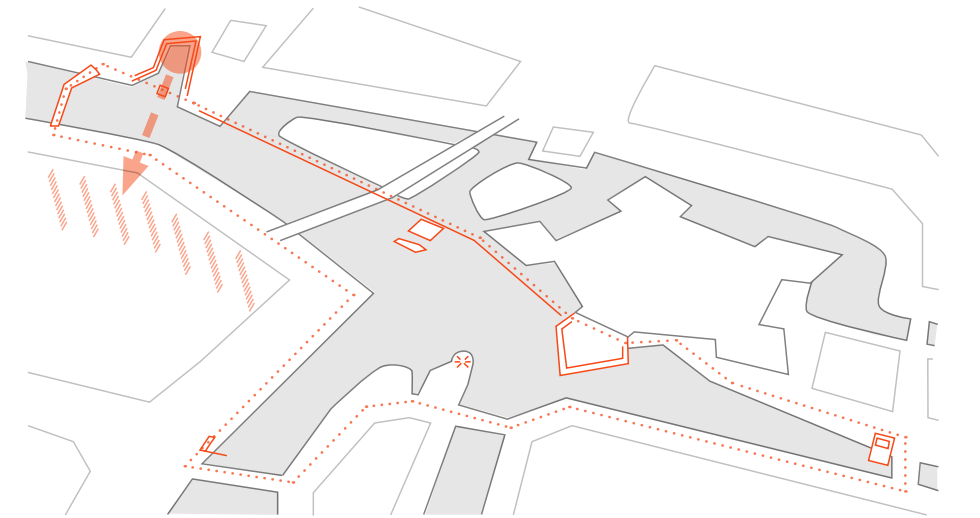
Adding a kinked bridge ...to lur accross, view, sit, eat, meet, experiment...

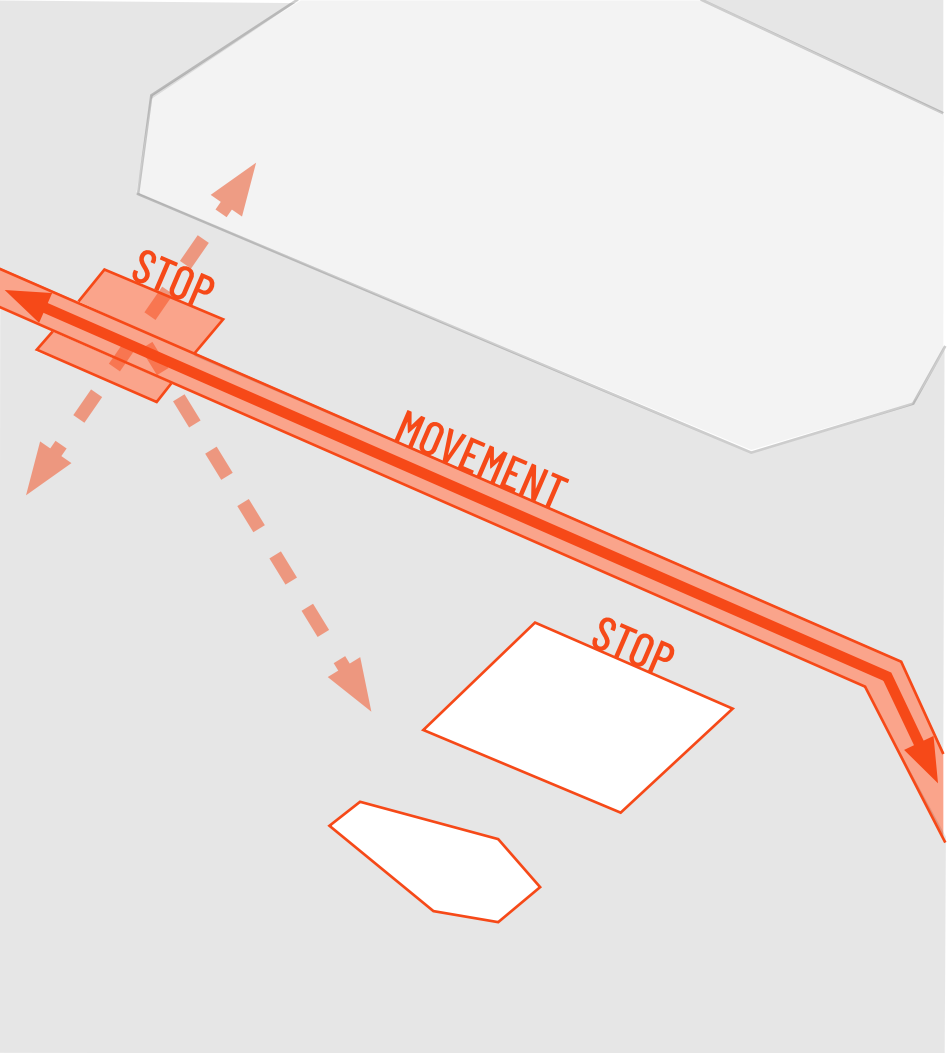
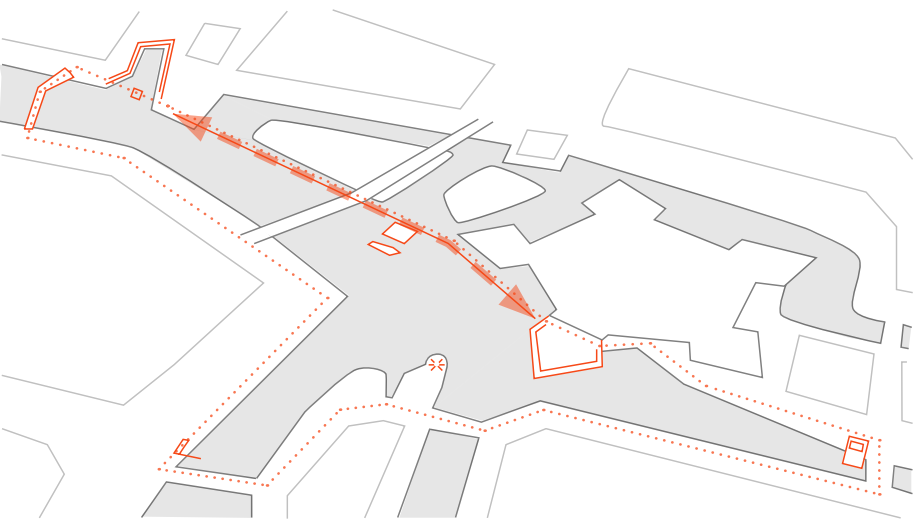




Amphihaven

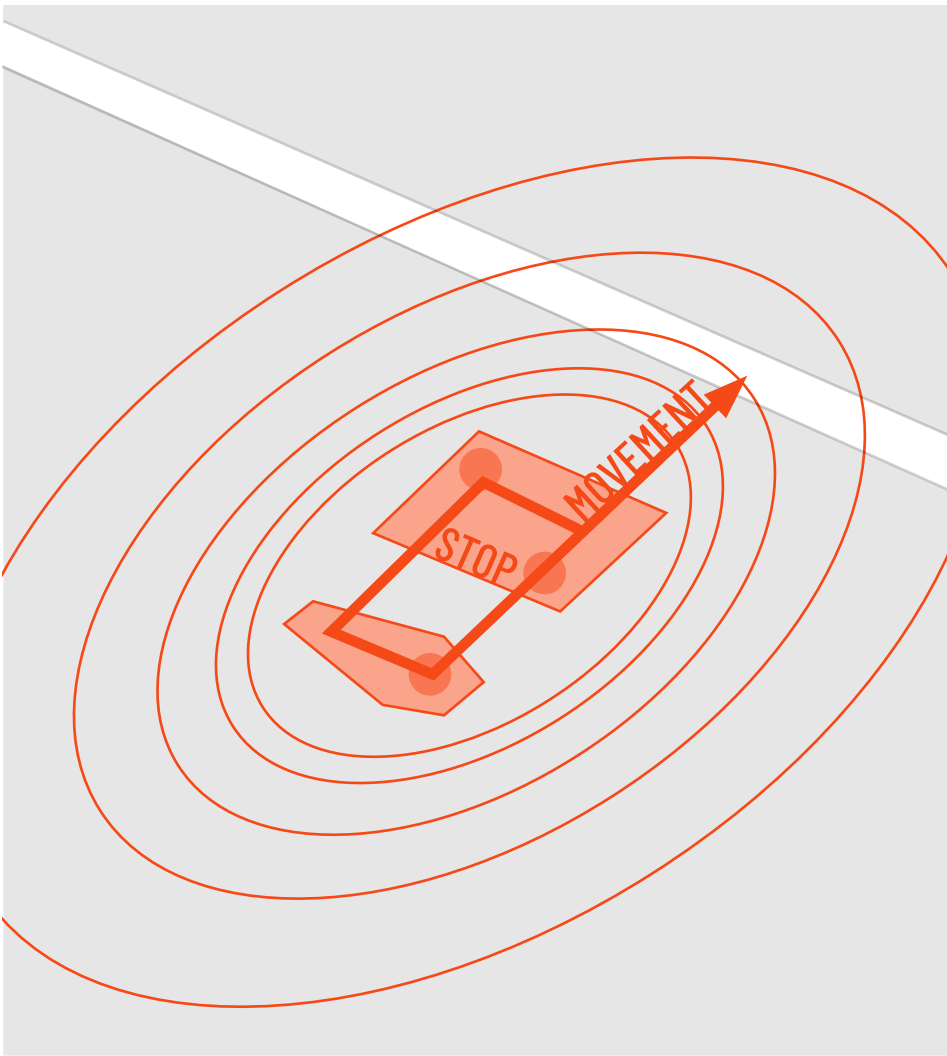
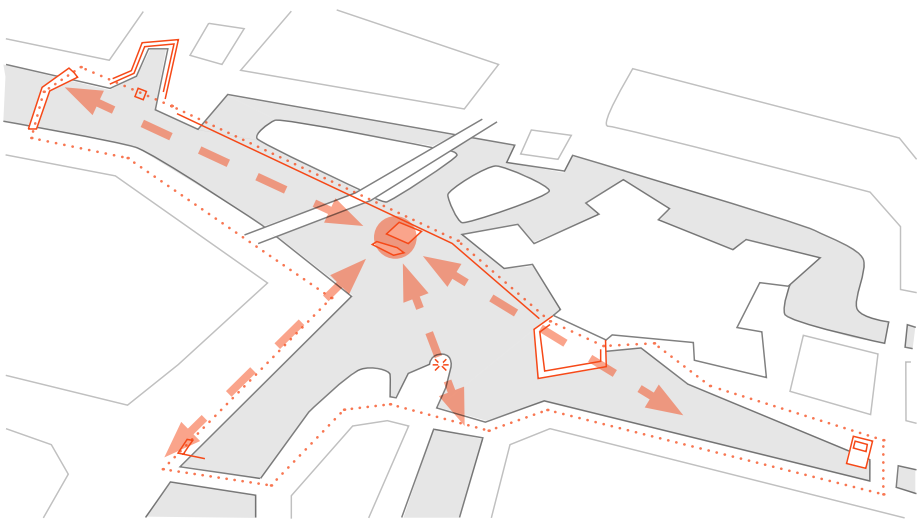
Reviving a neglected harbor... to move along, take a ferry, perform, view, read...





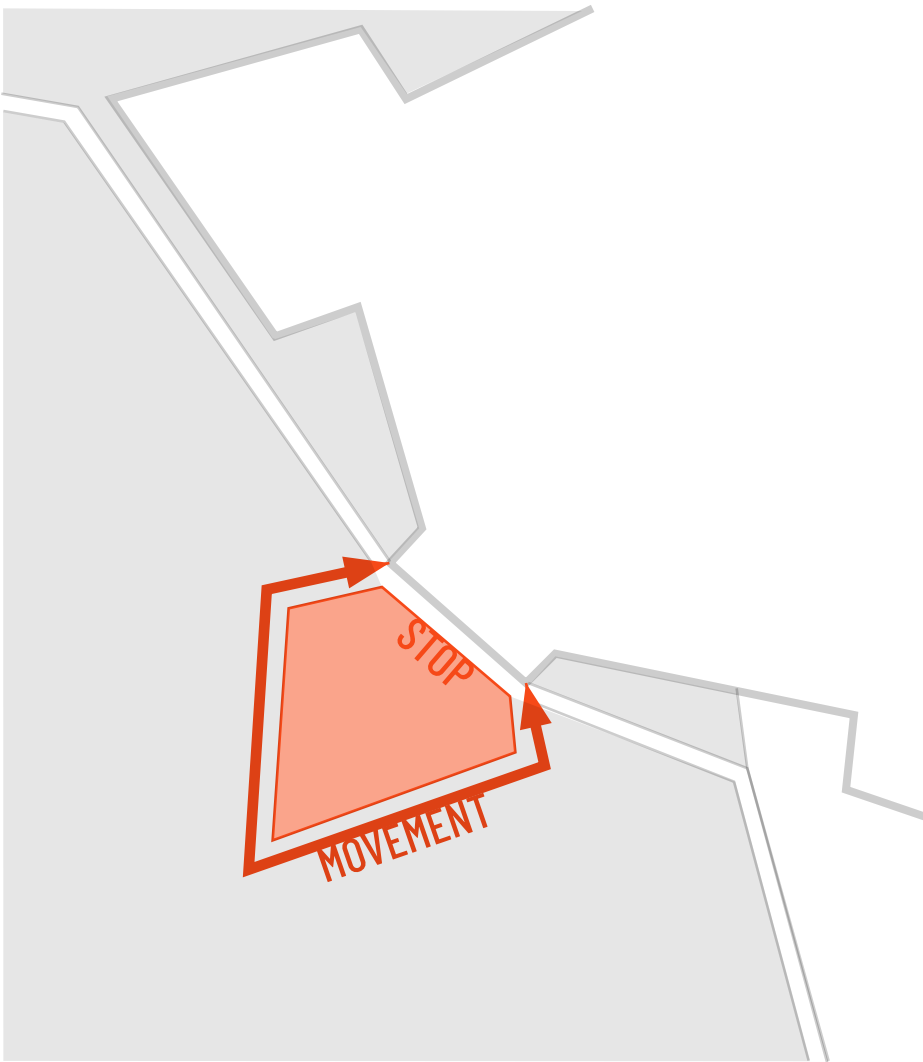
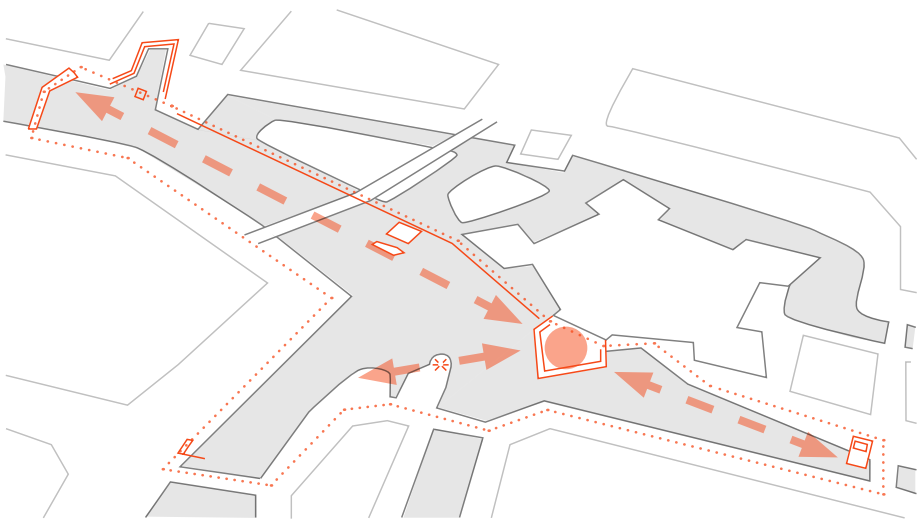
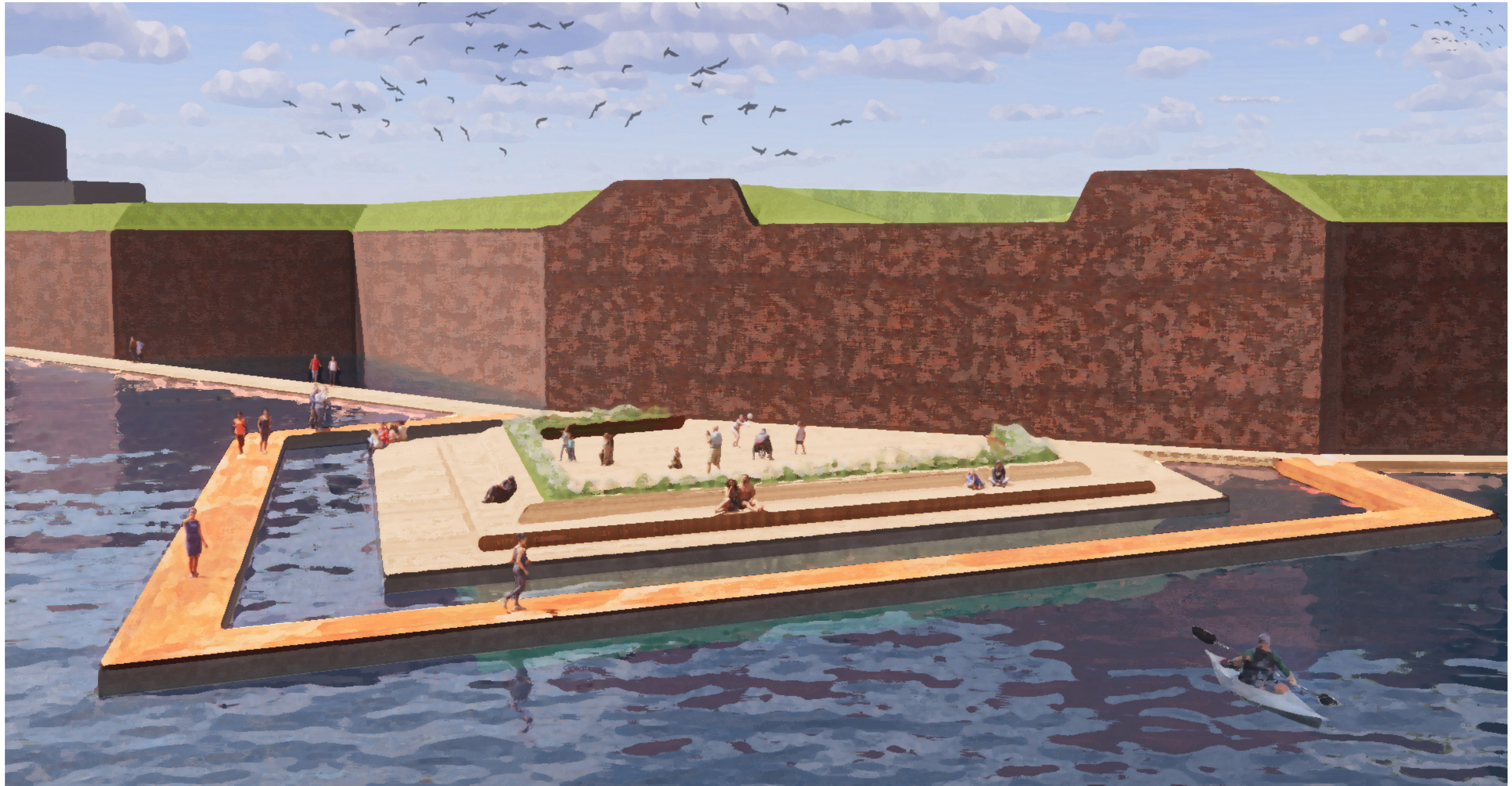
Waterlijn

A connecting line... to get into walking pace with stops to pauze



Bascule Baken

Reconditioning the pillars... to move through, stand still, reflect, connect...



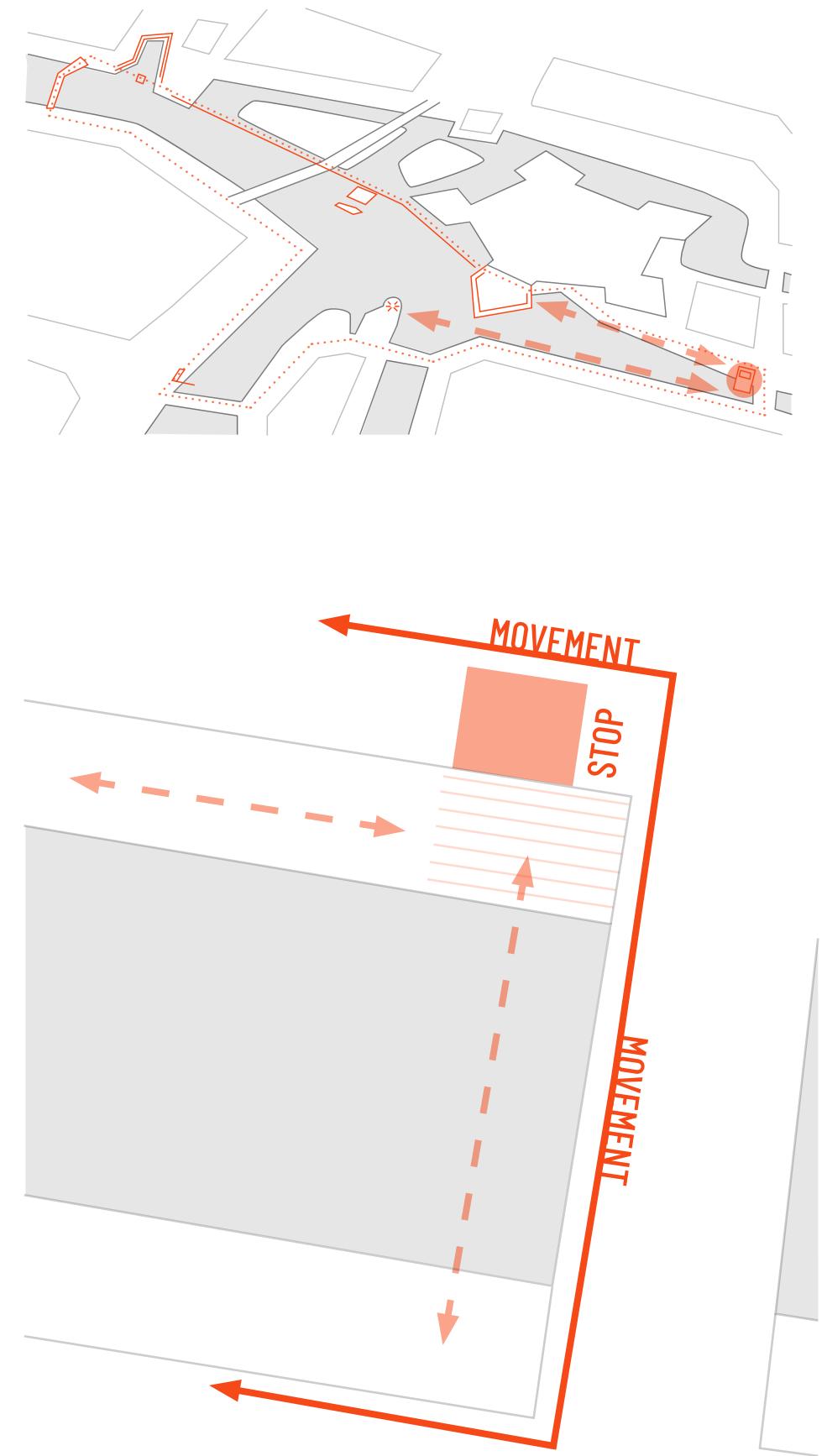
Cidatelpunt

Recreating the demolished fifth point... to give space for recreation



Camping Koffietent

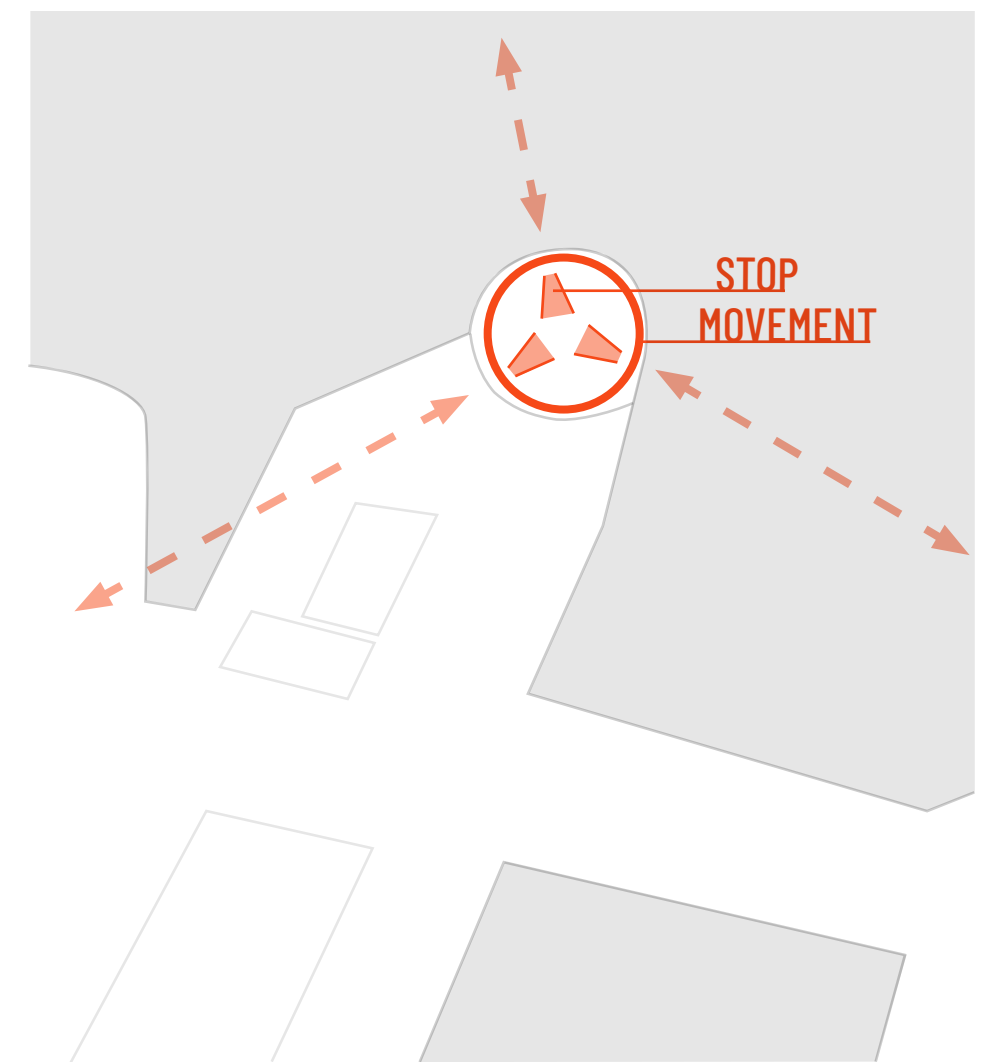
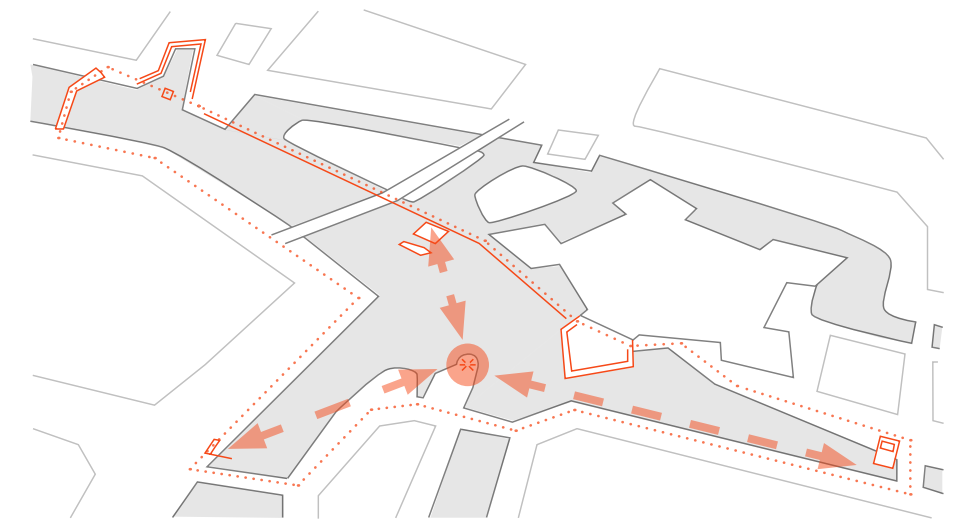
A former bridge keeper's house... to eat, drink, meet, sit, view, experiment...





De 3-60 Uitzijk

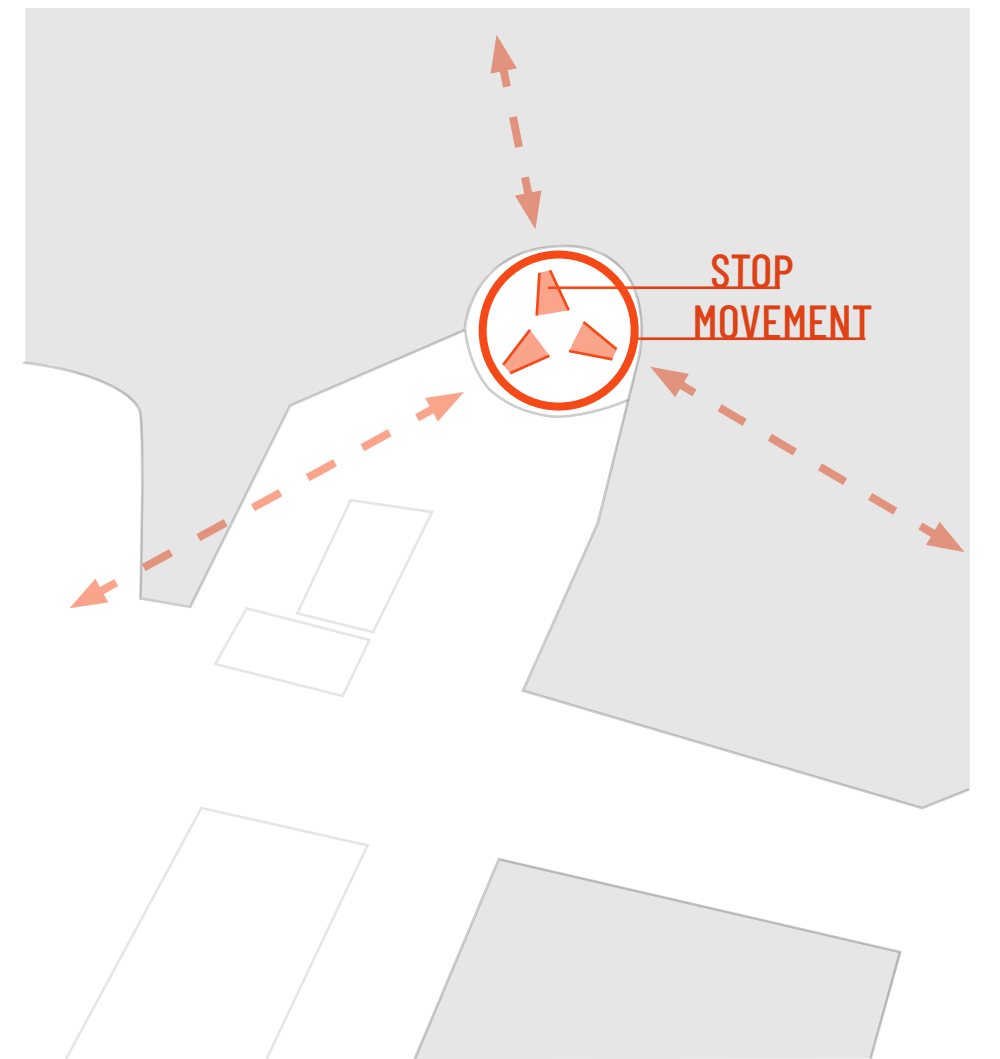
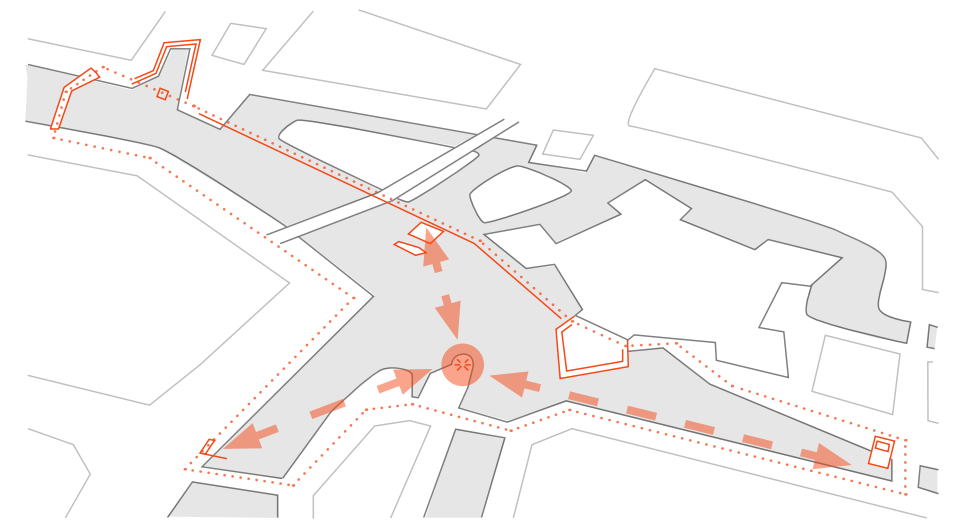
Making the fortress 360* visible... to view from in 3 - and 360* - frames...





De 3-60 Uitzicht

Making the fortress 360* visible... to view from in 3 - and 360* - frames...





following the water (views)



stopping and seeing



moving from the fifth point to the pillars



getting close on the water path



Now seen as an obstruction



Now seen as an obstruction



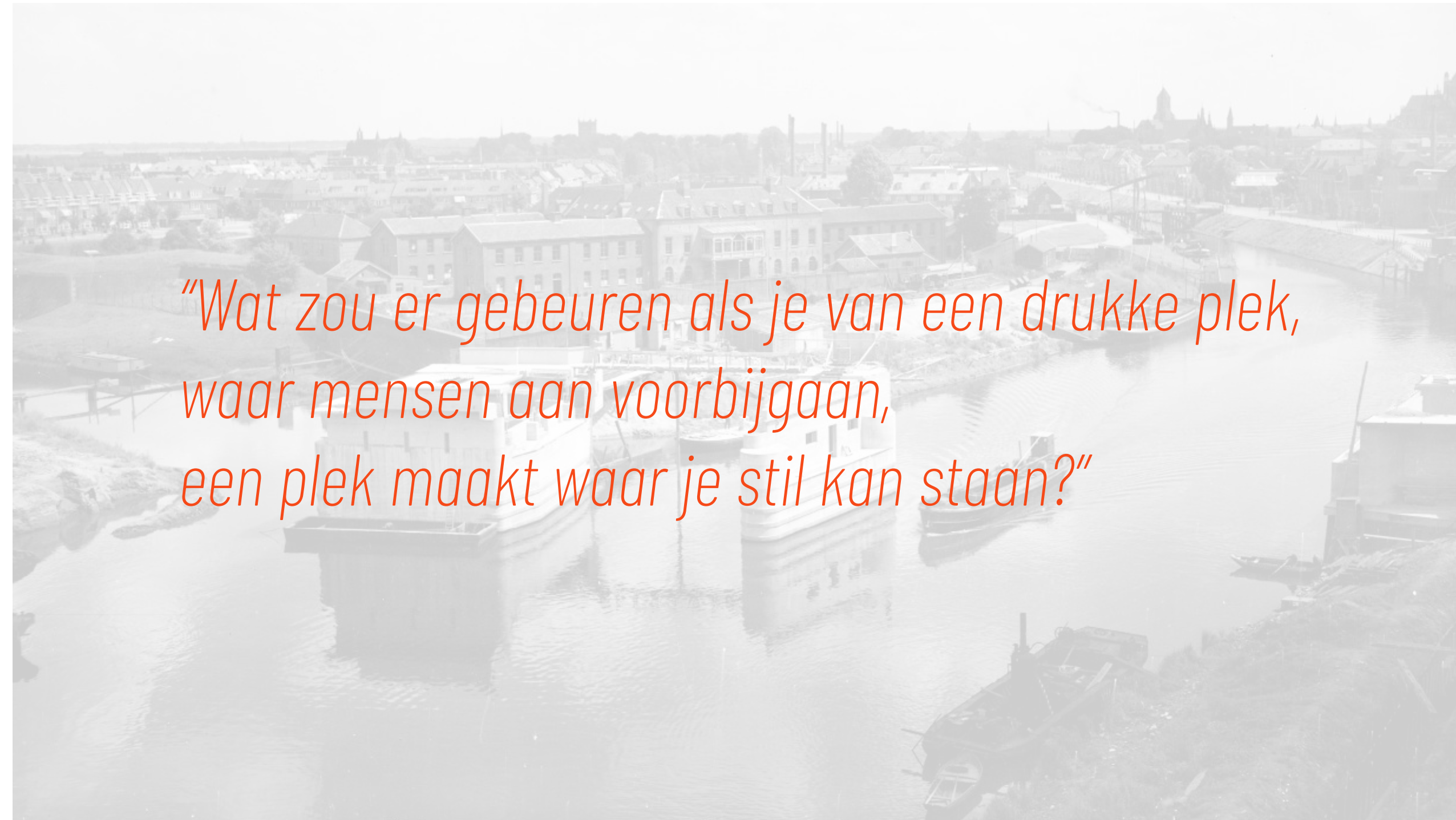
Now seen as an obstruction



*basement and pillar solo
1940 building the bridge*

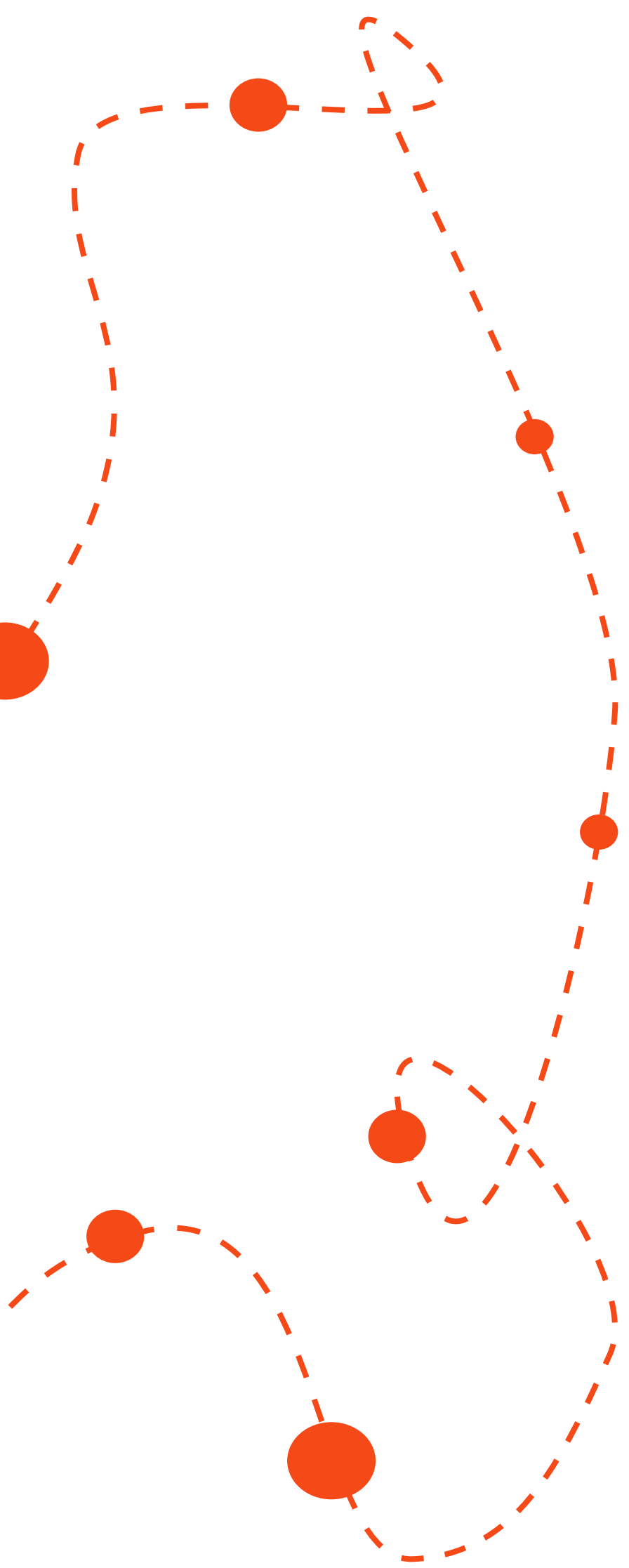


*basement and pillar solo
1940 building the bridge*



*“Wat zou er gebeuren als je van een drukke plek,
waar mensen aan voorbijgaan,
een plek maakt waar je stil kan staan?”*

podcast

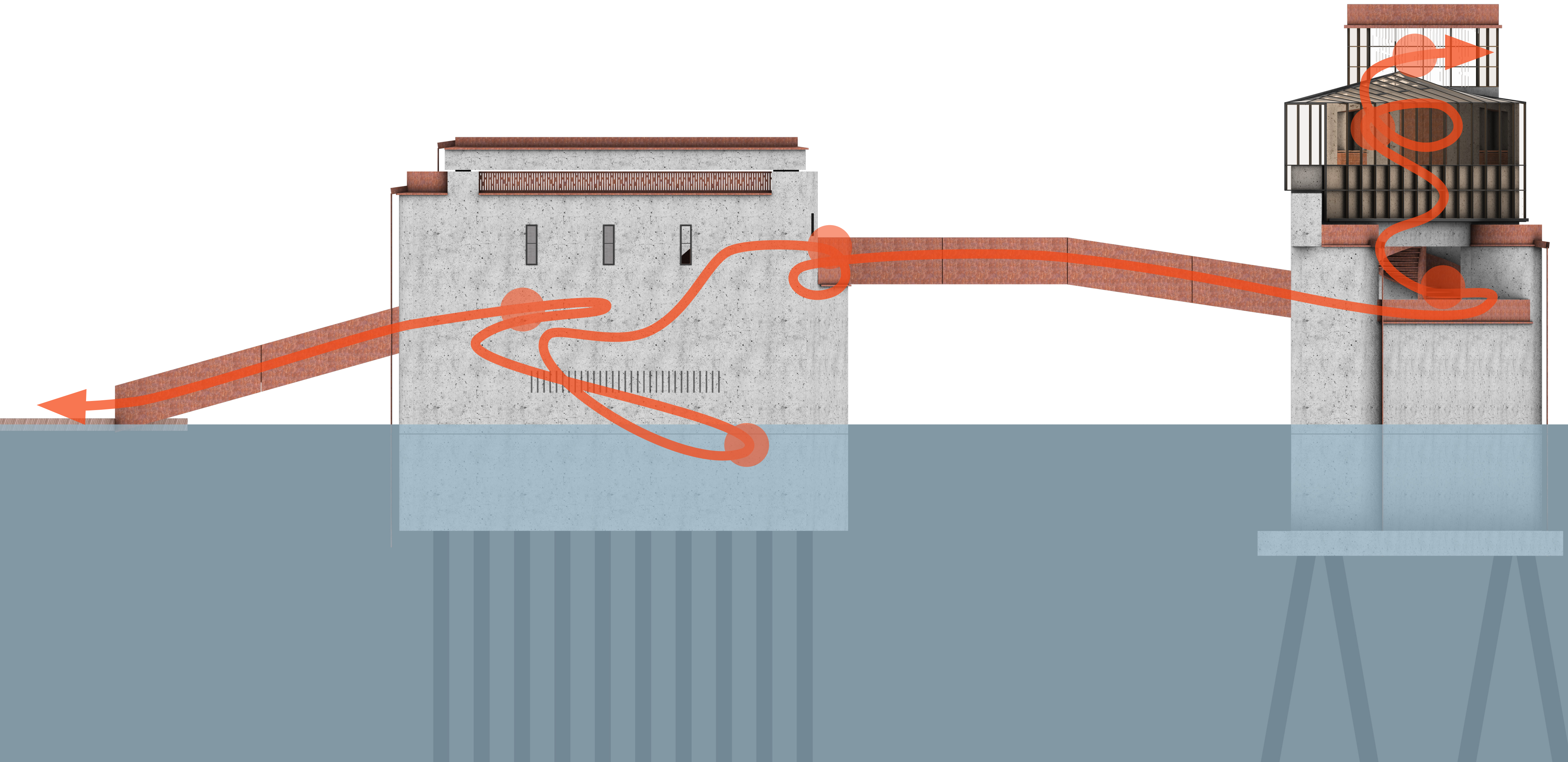


FROM BASCULE BRIDGE TO BEACON

making a passed place a place to move through and stand still

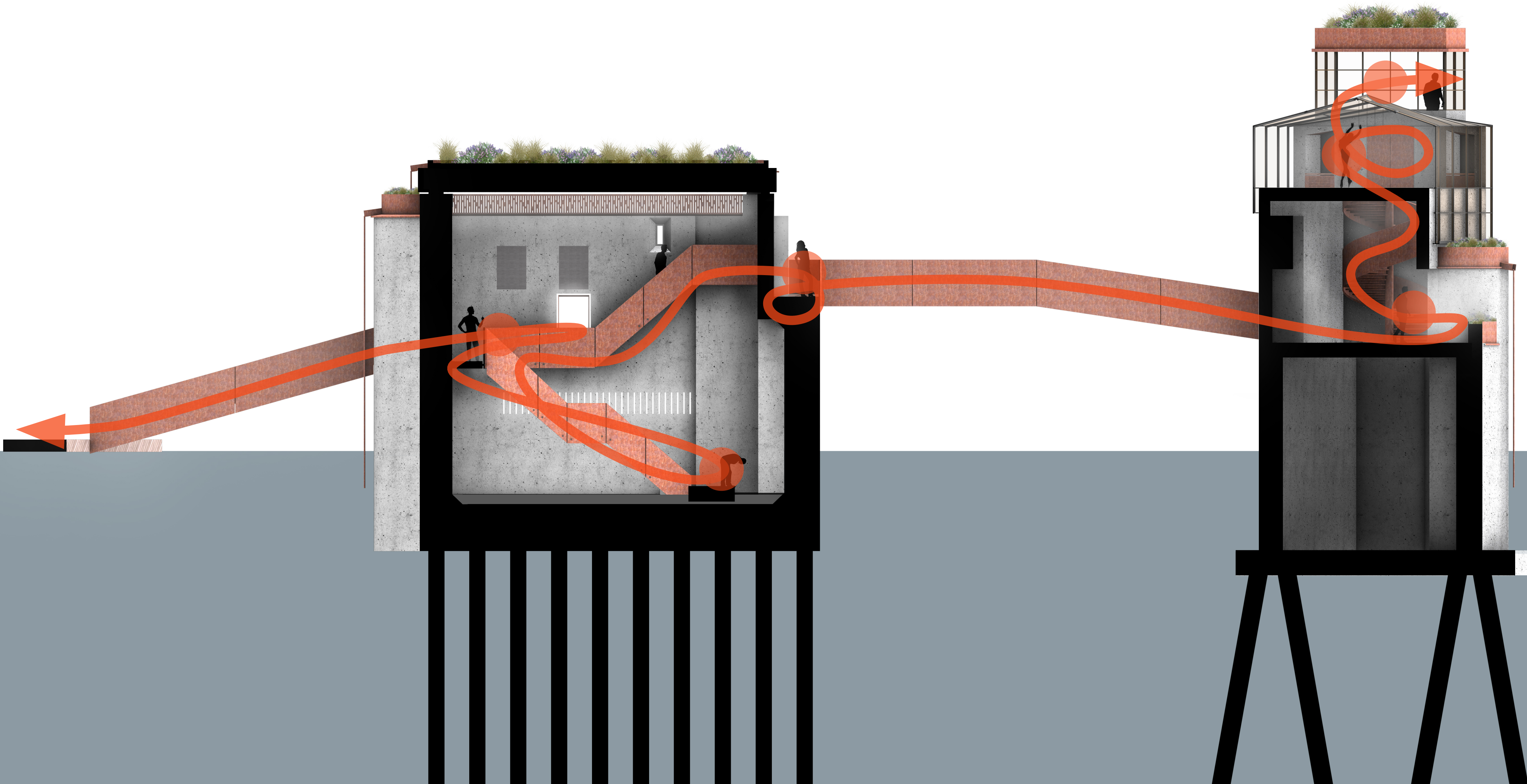
BASCULE
BASEMENT

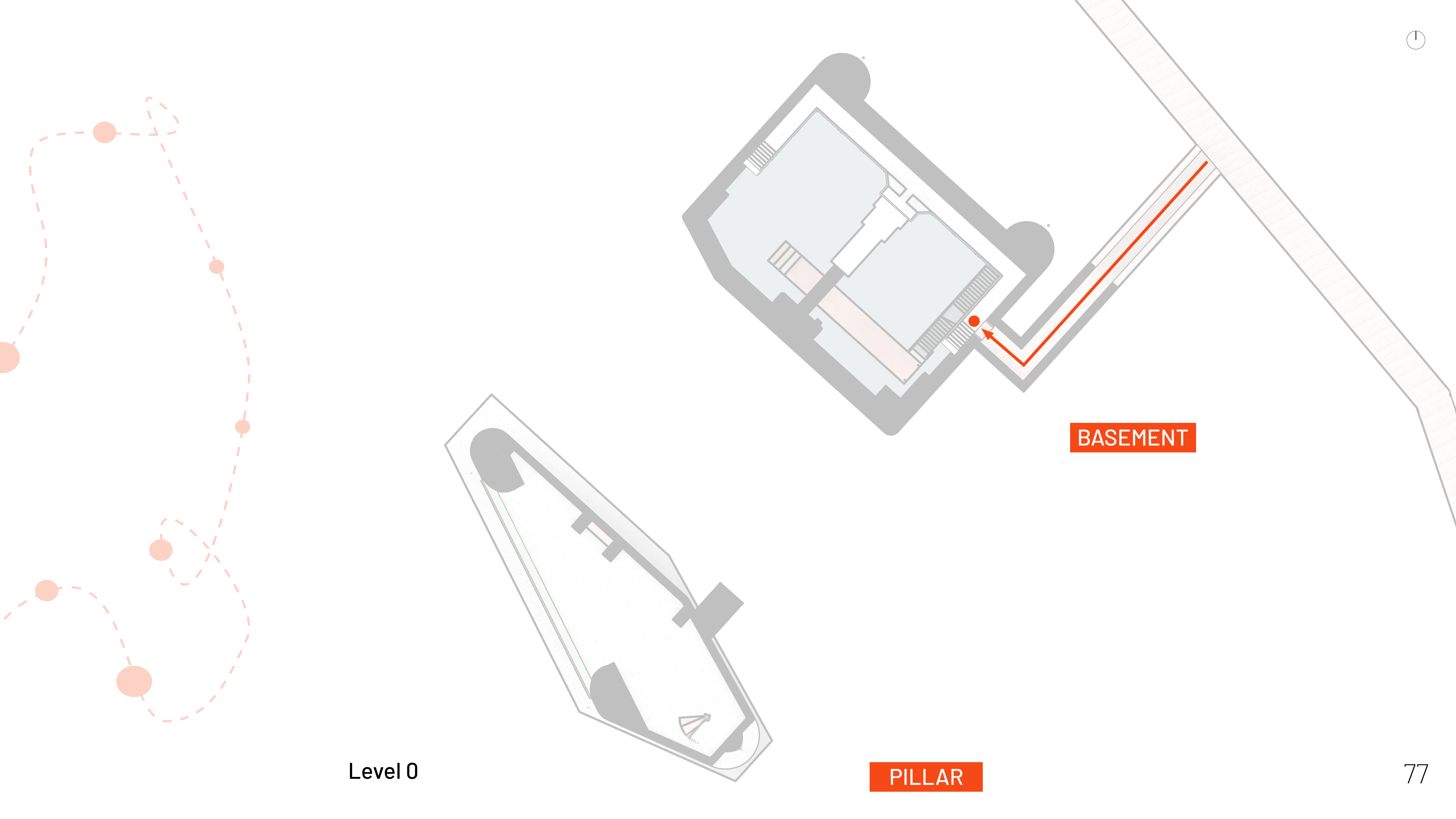
BASCULE
PILLAR



BASCULE
BASEMENT

BASCULE
PILLAR



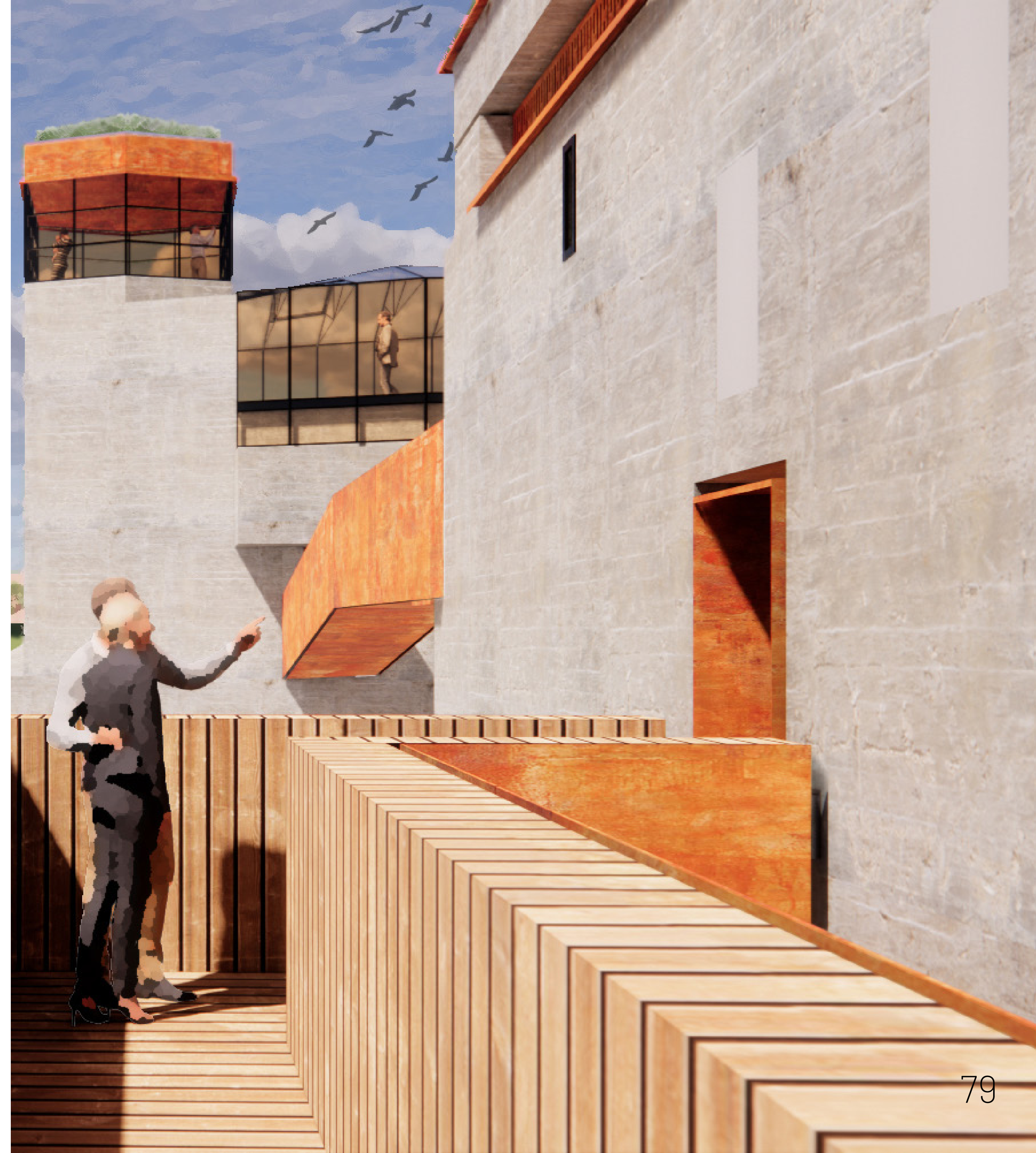


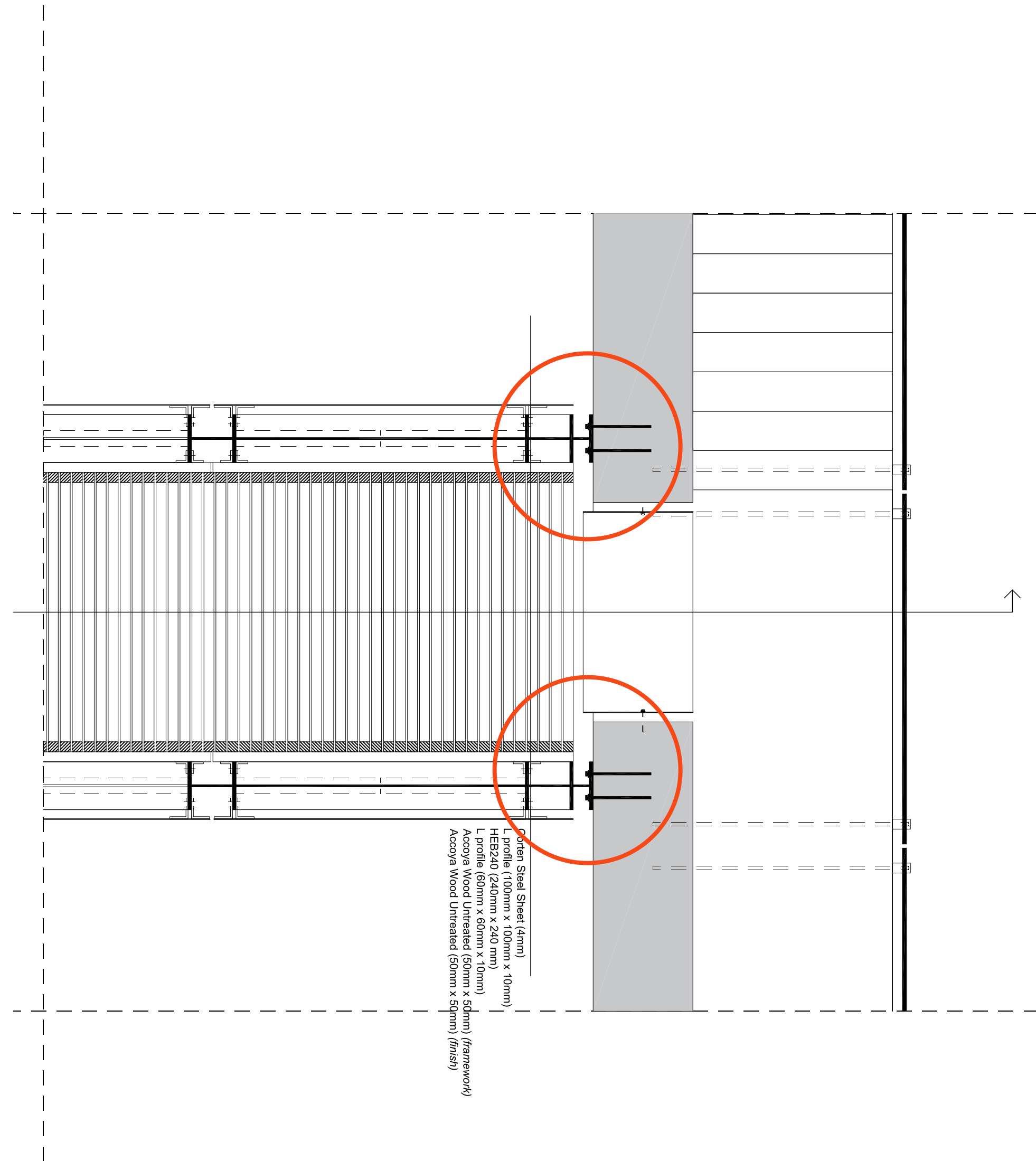
Level 0

PILLAR

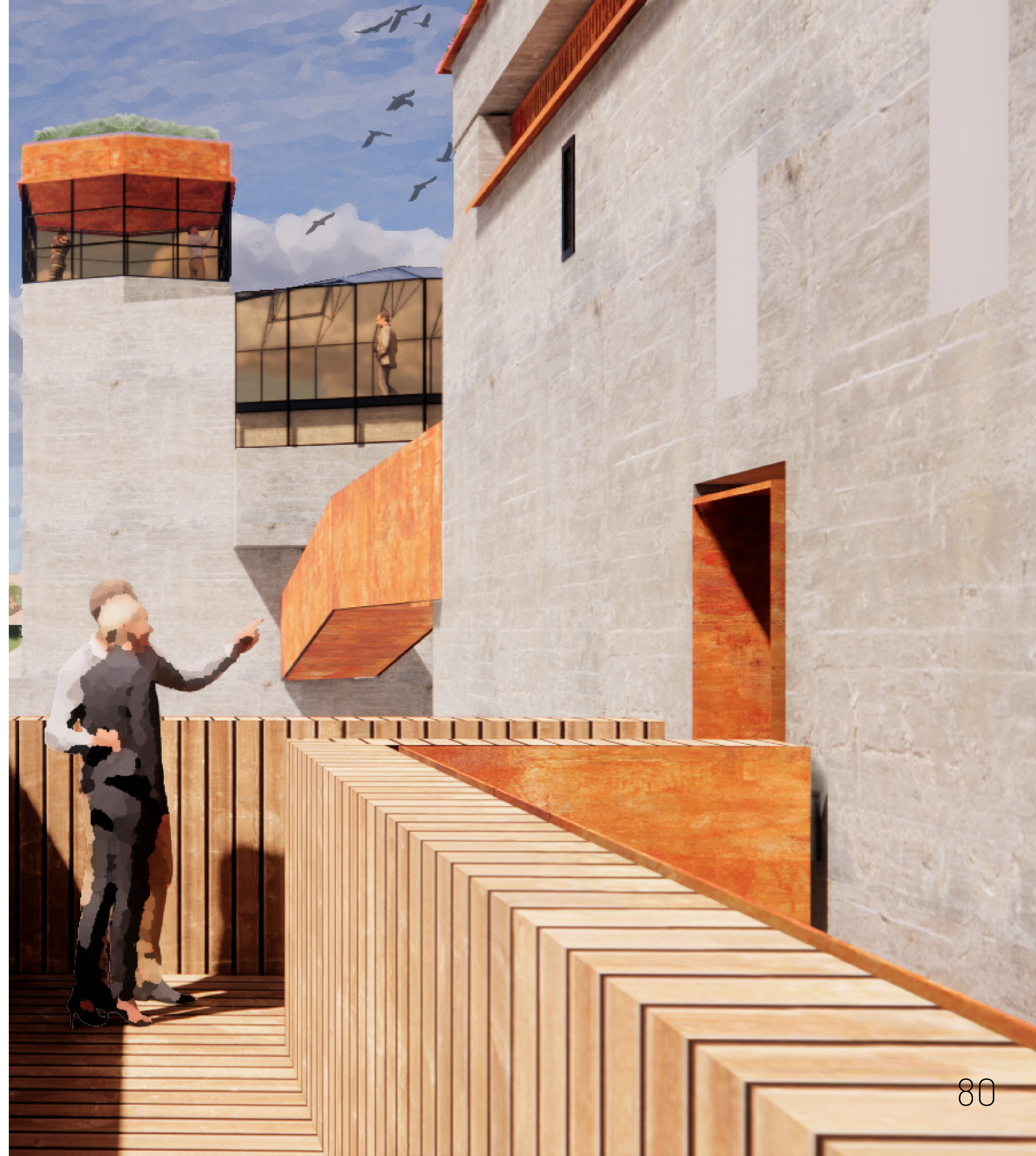
BASEMENT

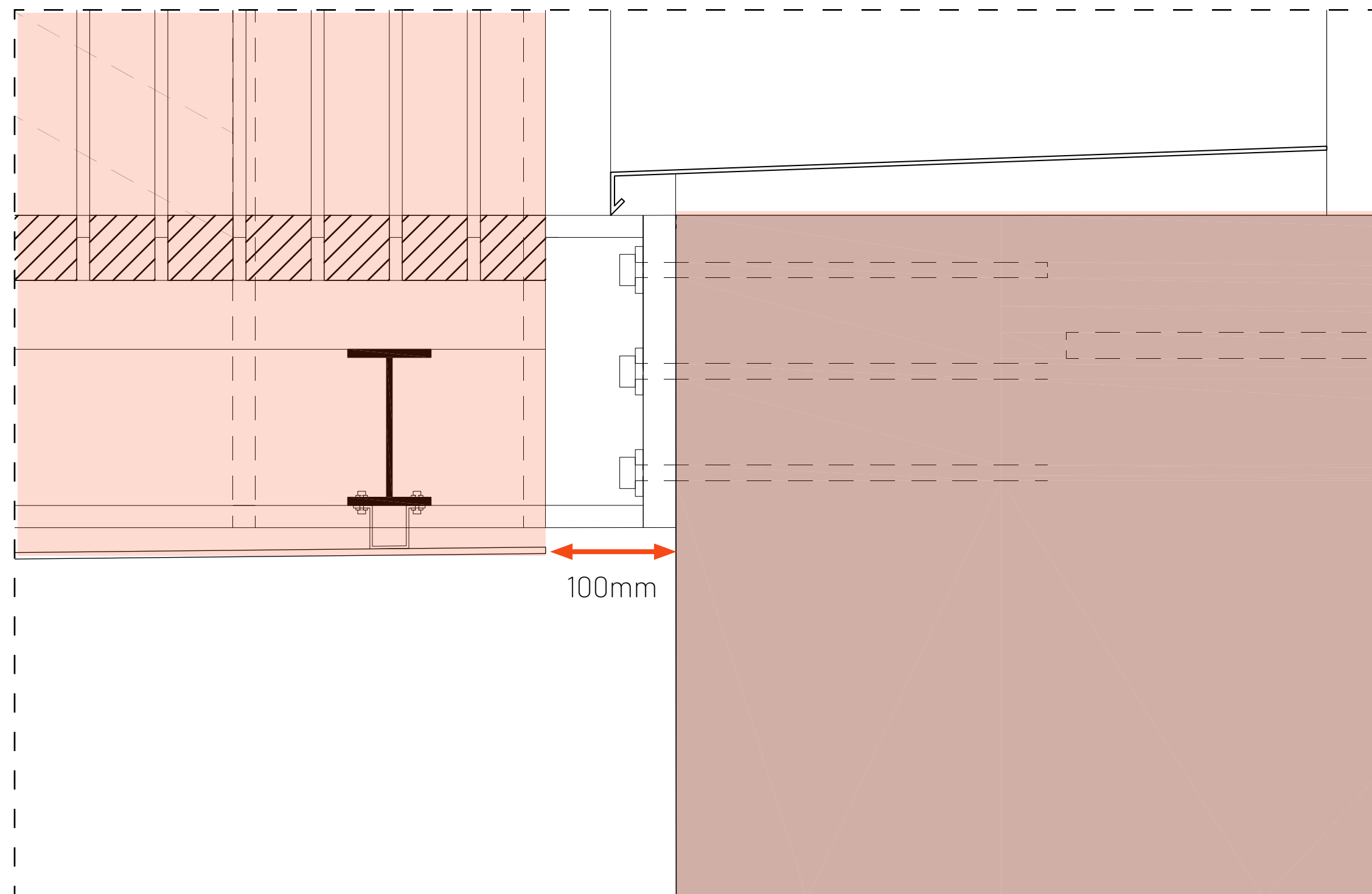




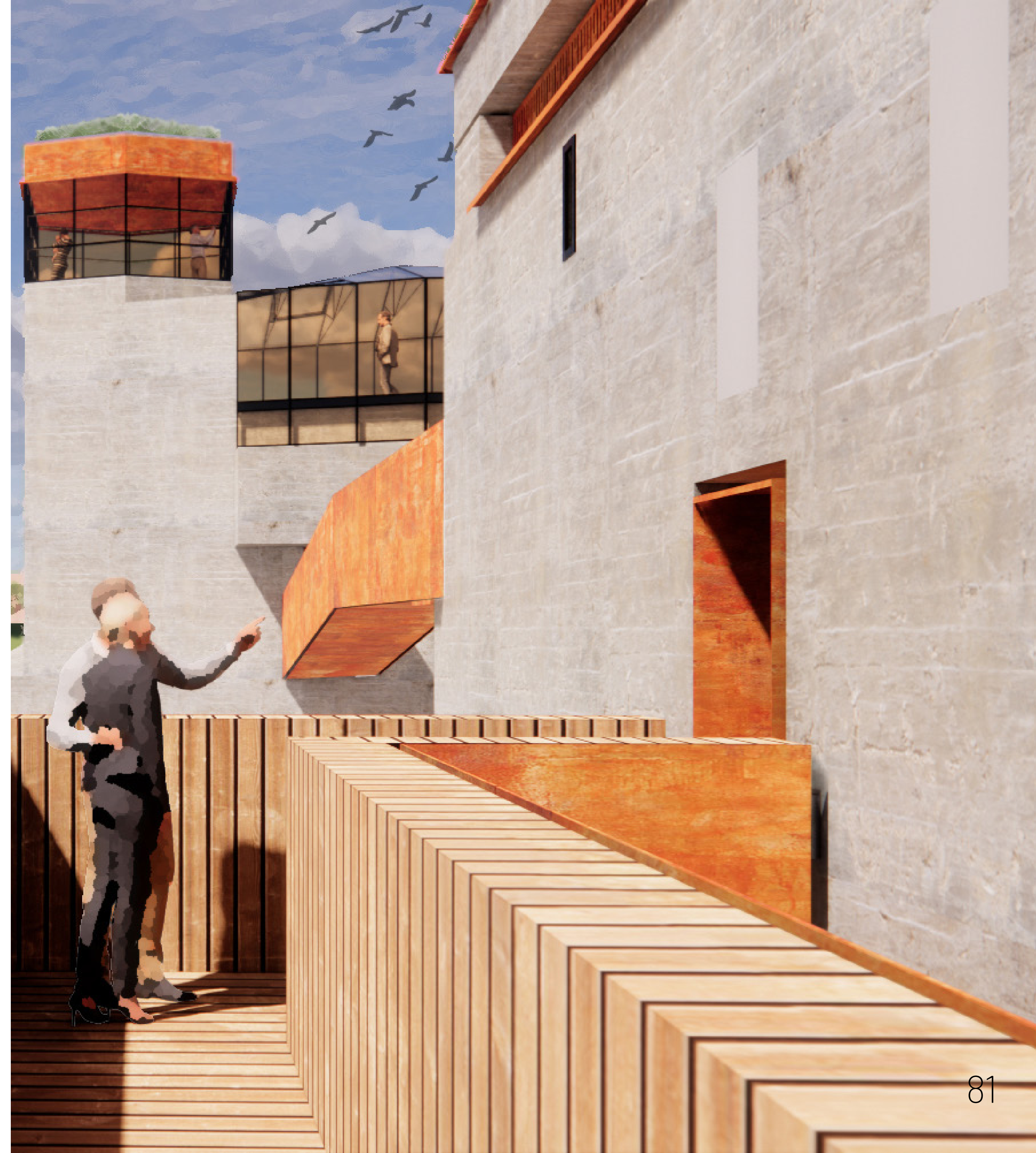


Horizontal Bridge Detail

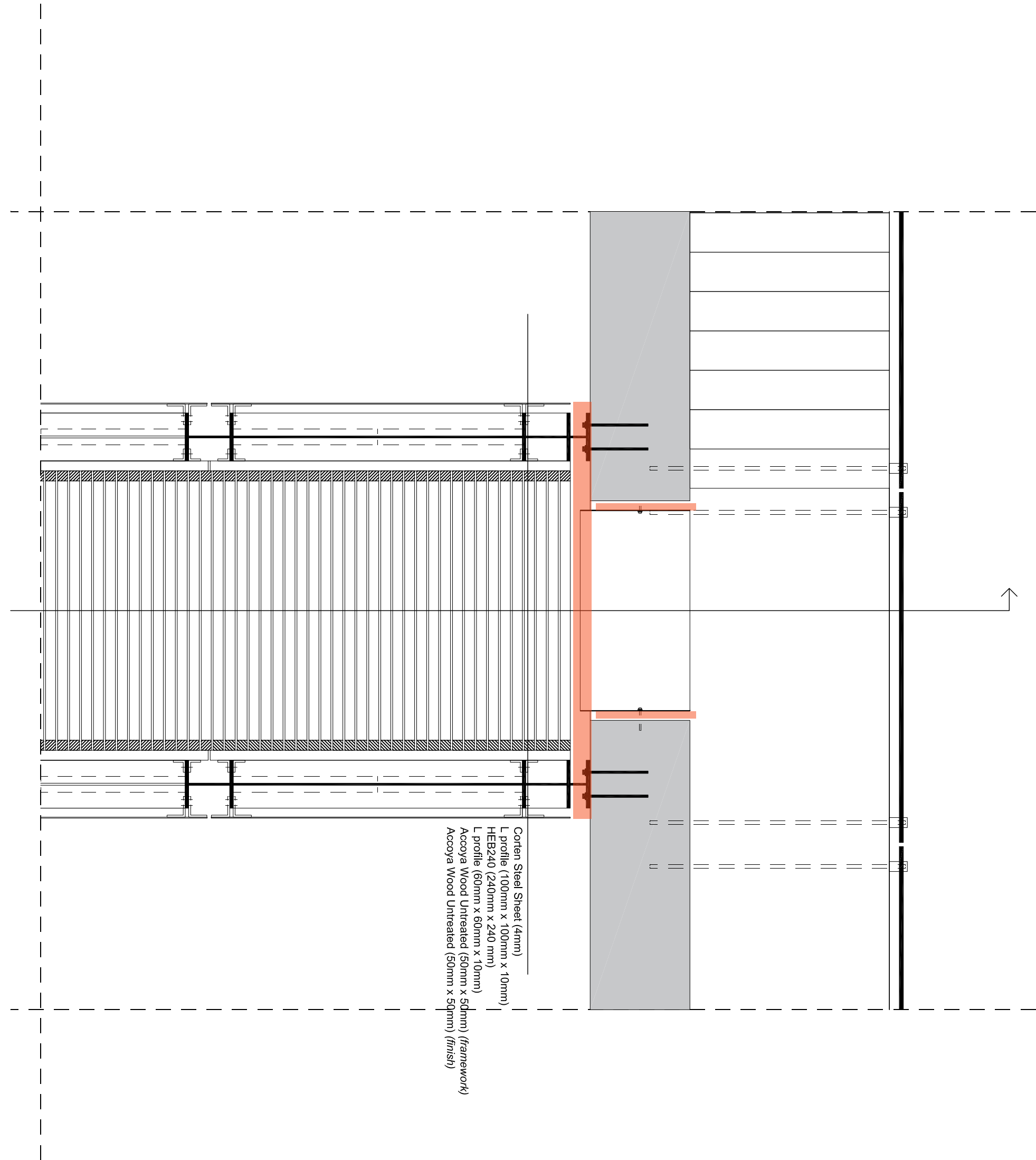




Vertical Detail - Encounter of new and old



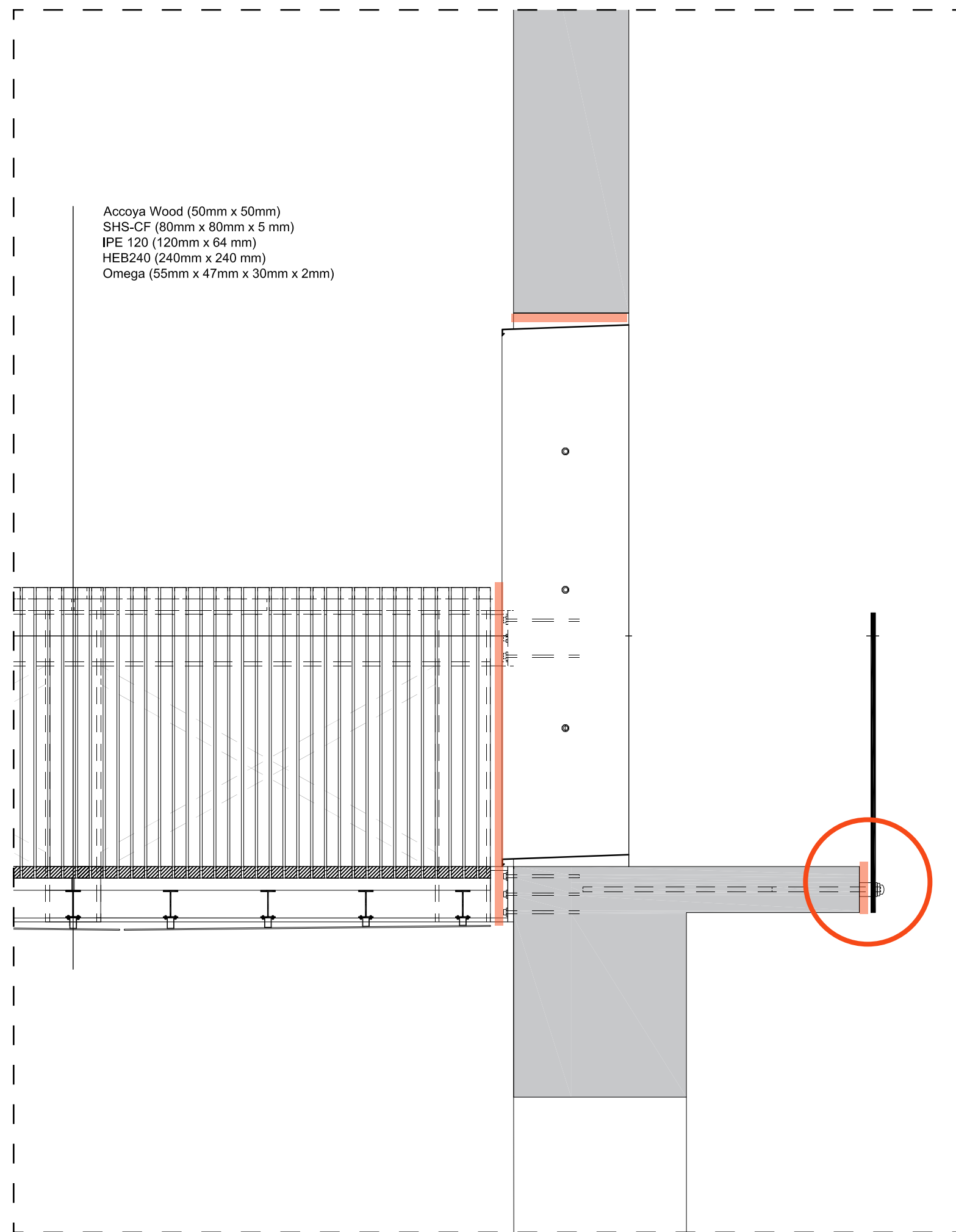




Horizontal Bridge Detail

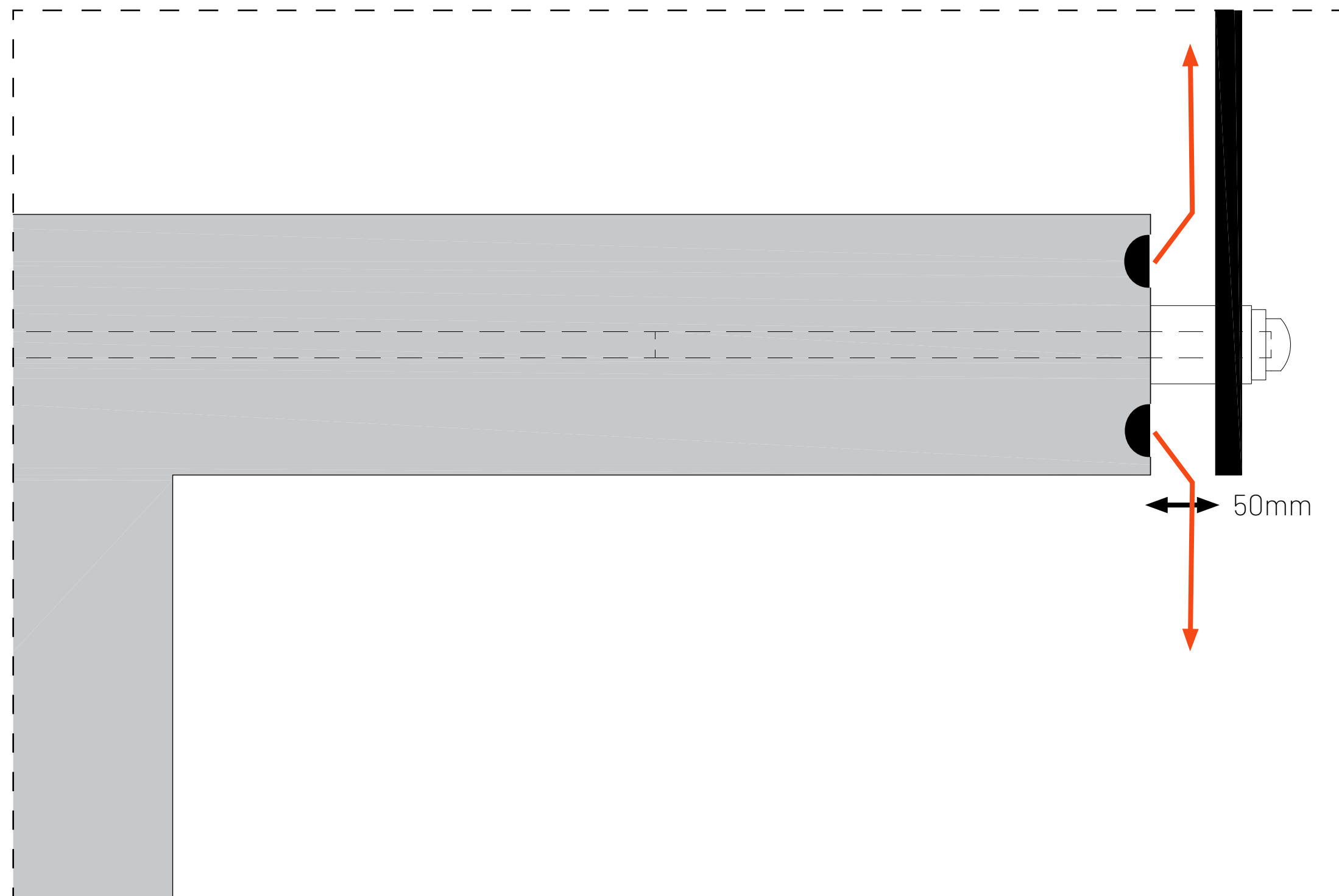






Vertical Detail





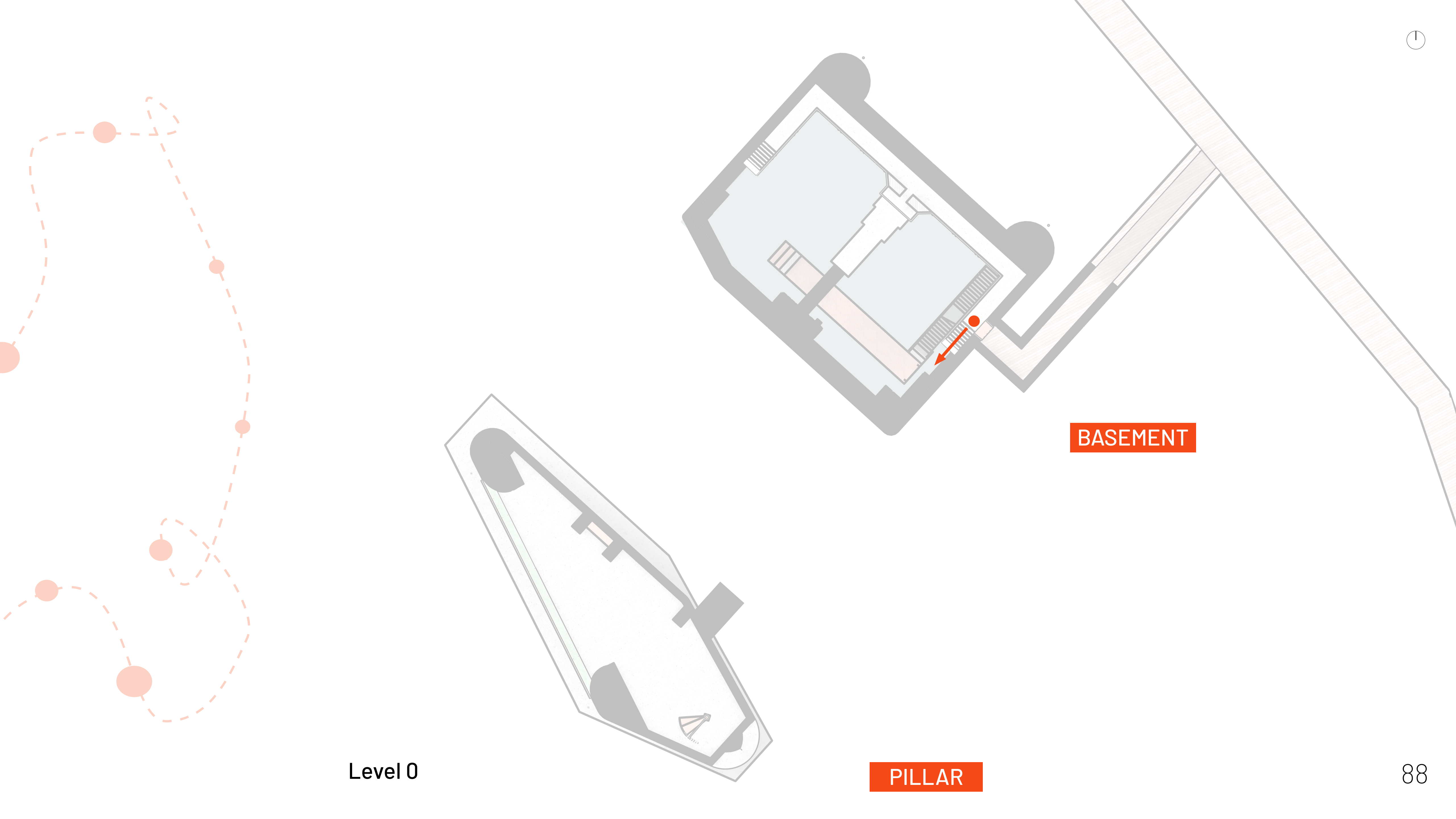
Vertical Entrance Detail - Light





process of experimentation: light

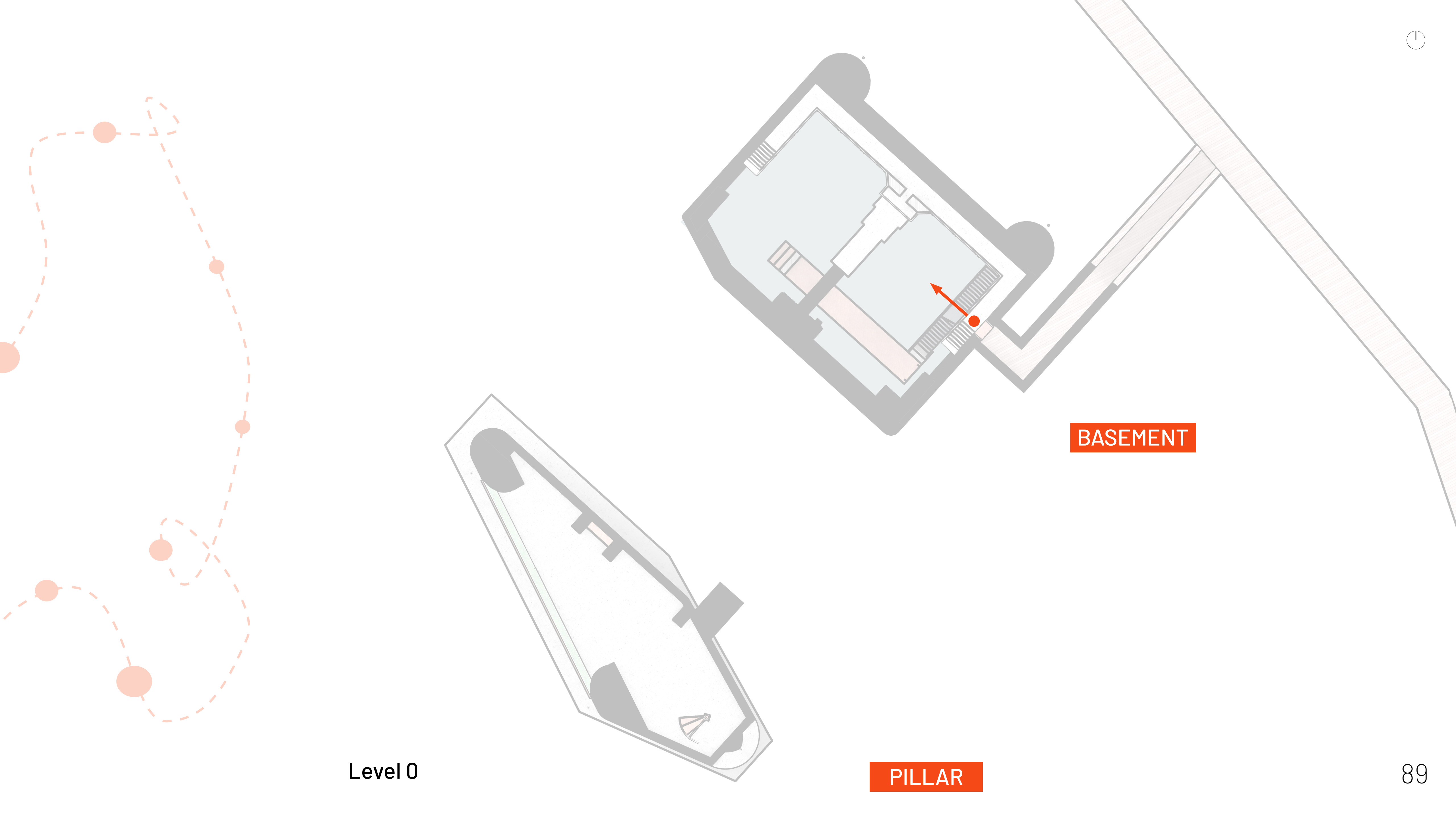




Level 0

BASEMENT

PILLAR



Level 0

PILLAR

BASEMENT



a place to move through



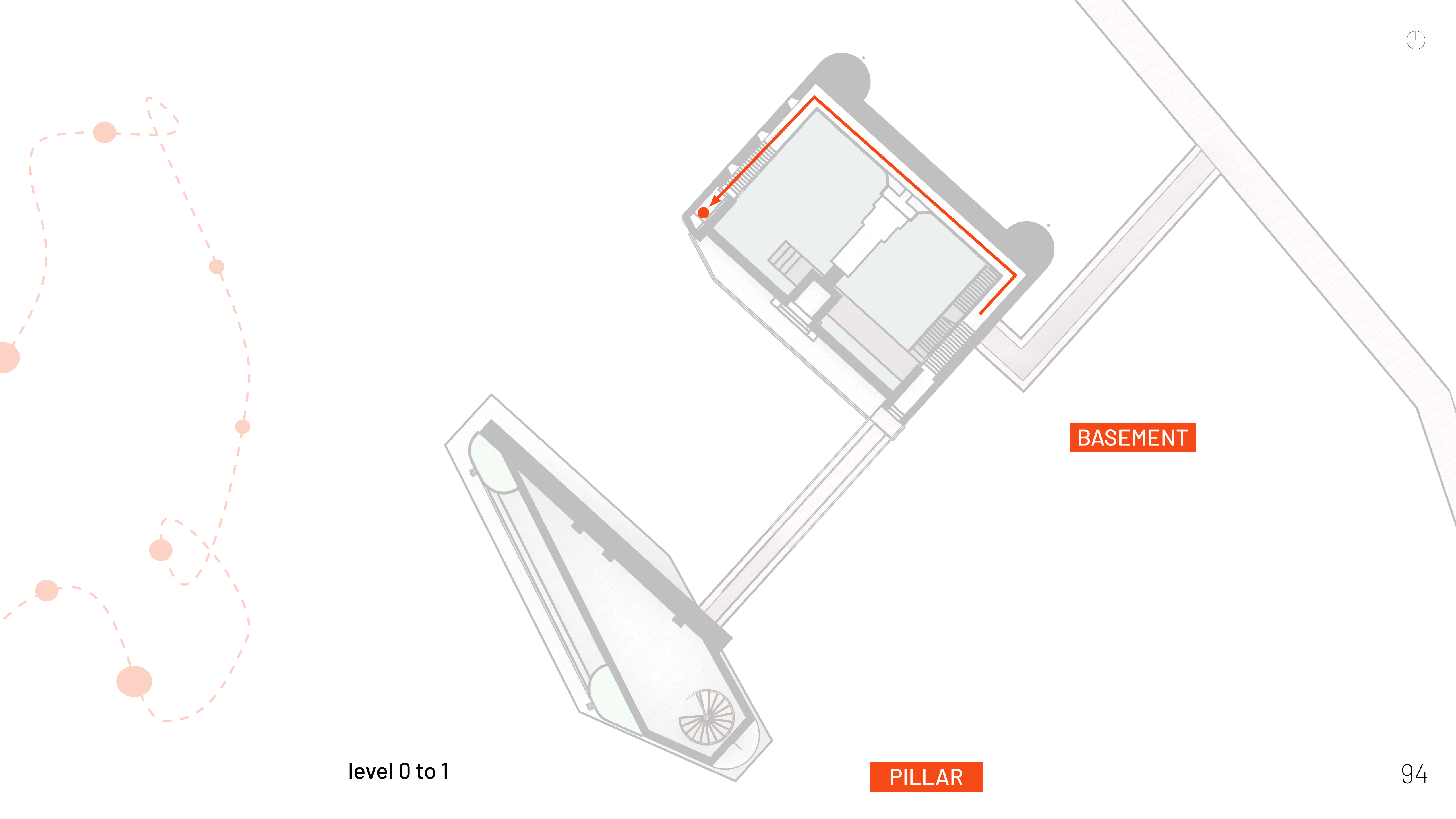
open to action



open to action



open to action



level 0 to 1

PILLAR

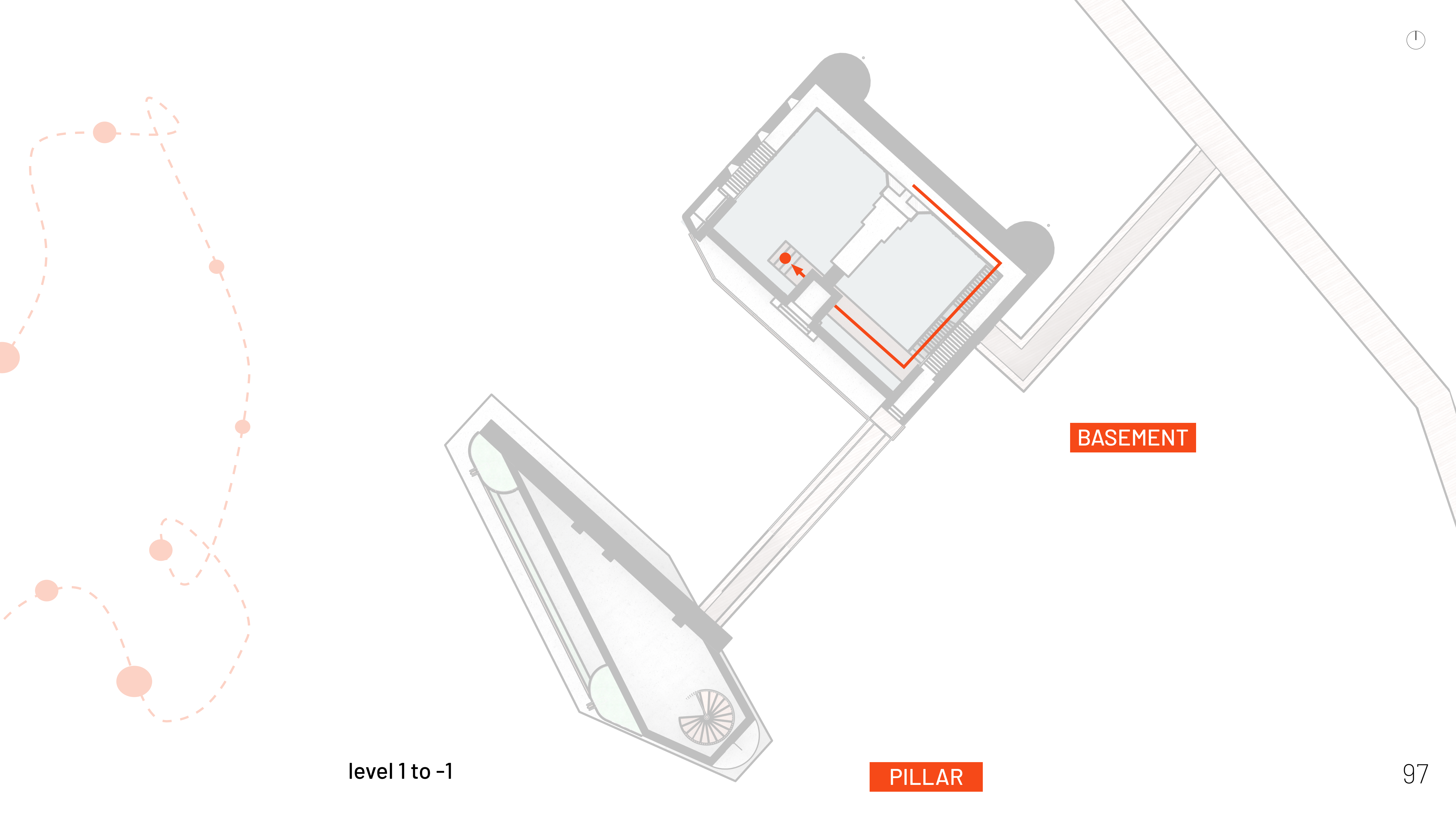
BASEMENT



a place to stop



a place to stop



level 1 to -1

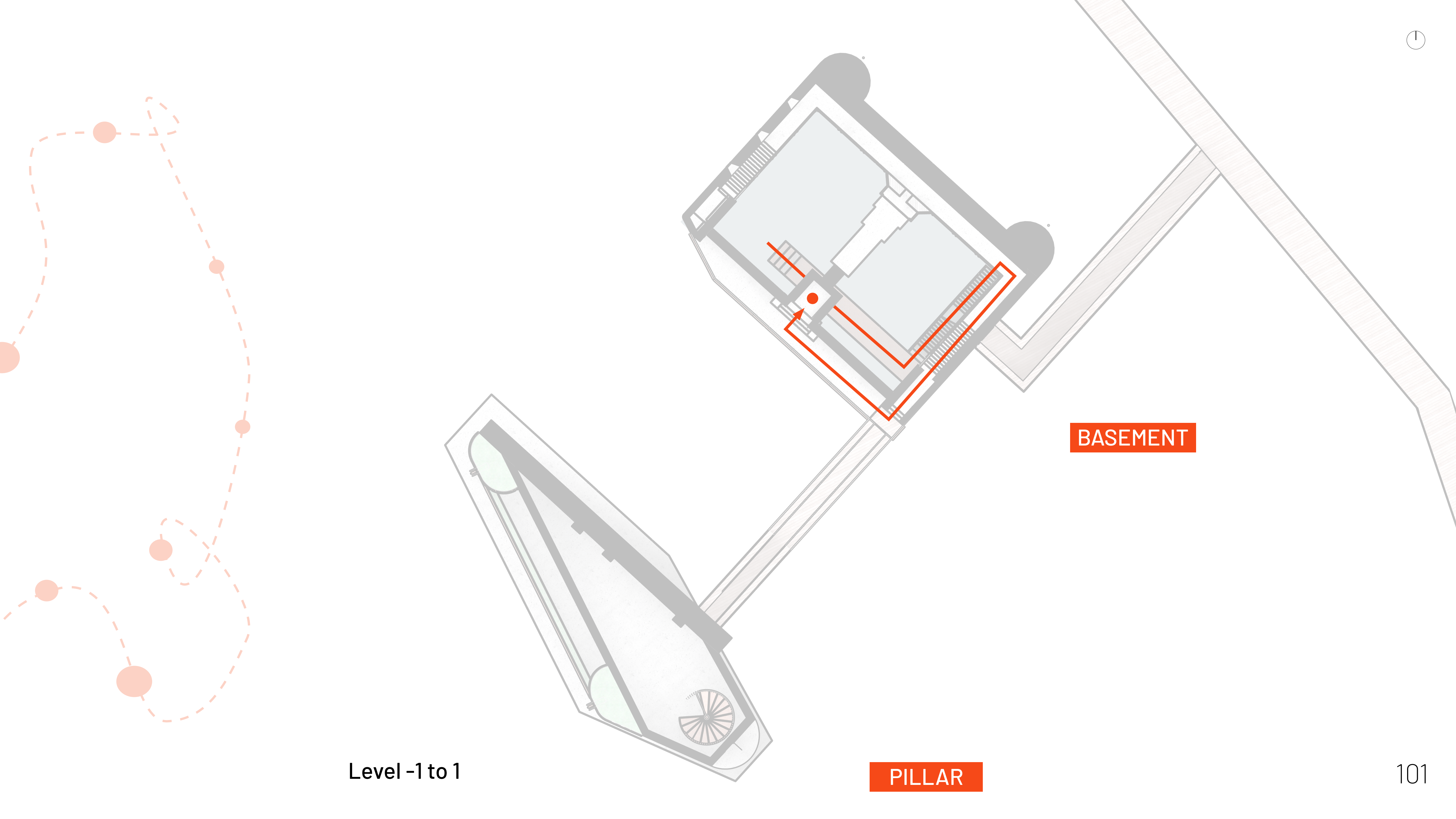
BASEMENT

PILLAR









Level -1 to 1

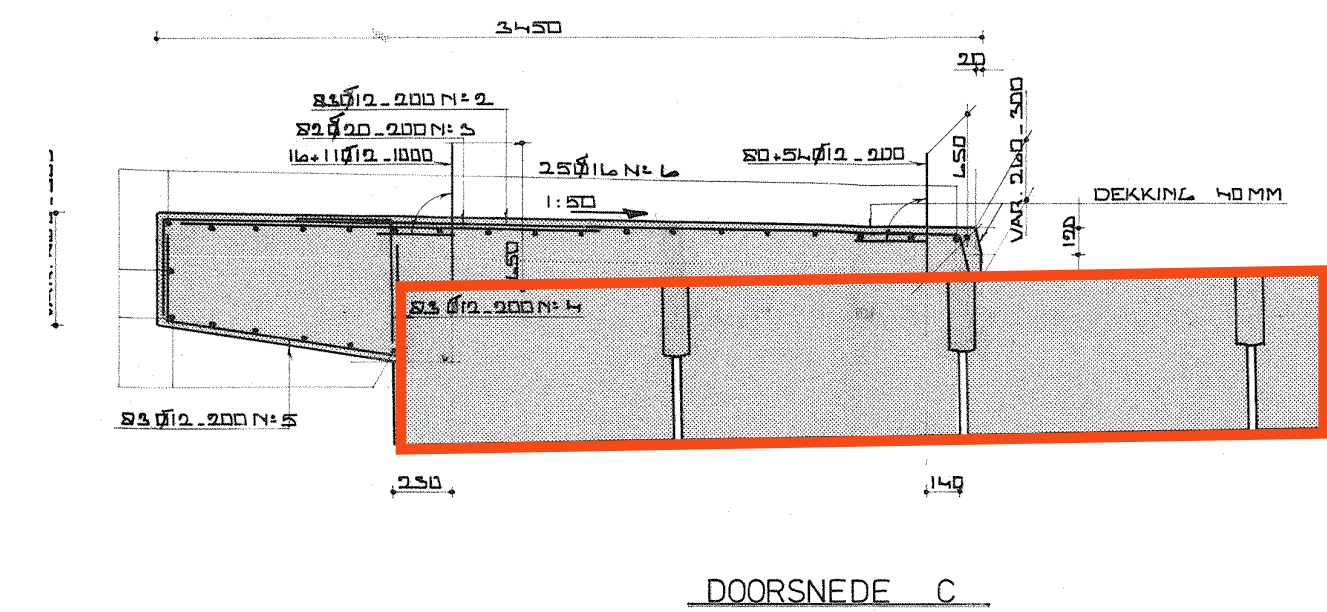
PILLAR

BASEMENT

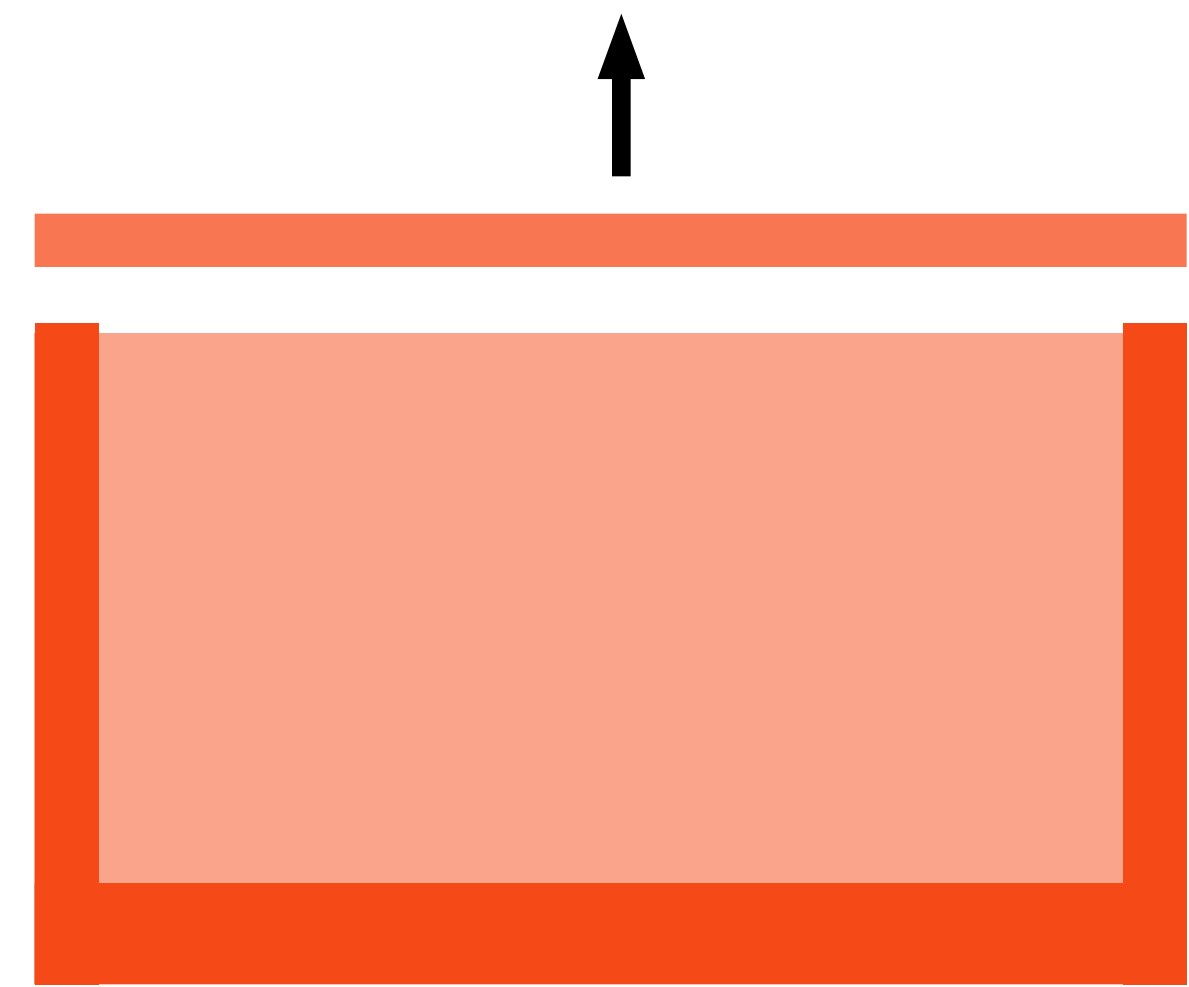




experiment - moving, listening, capturing

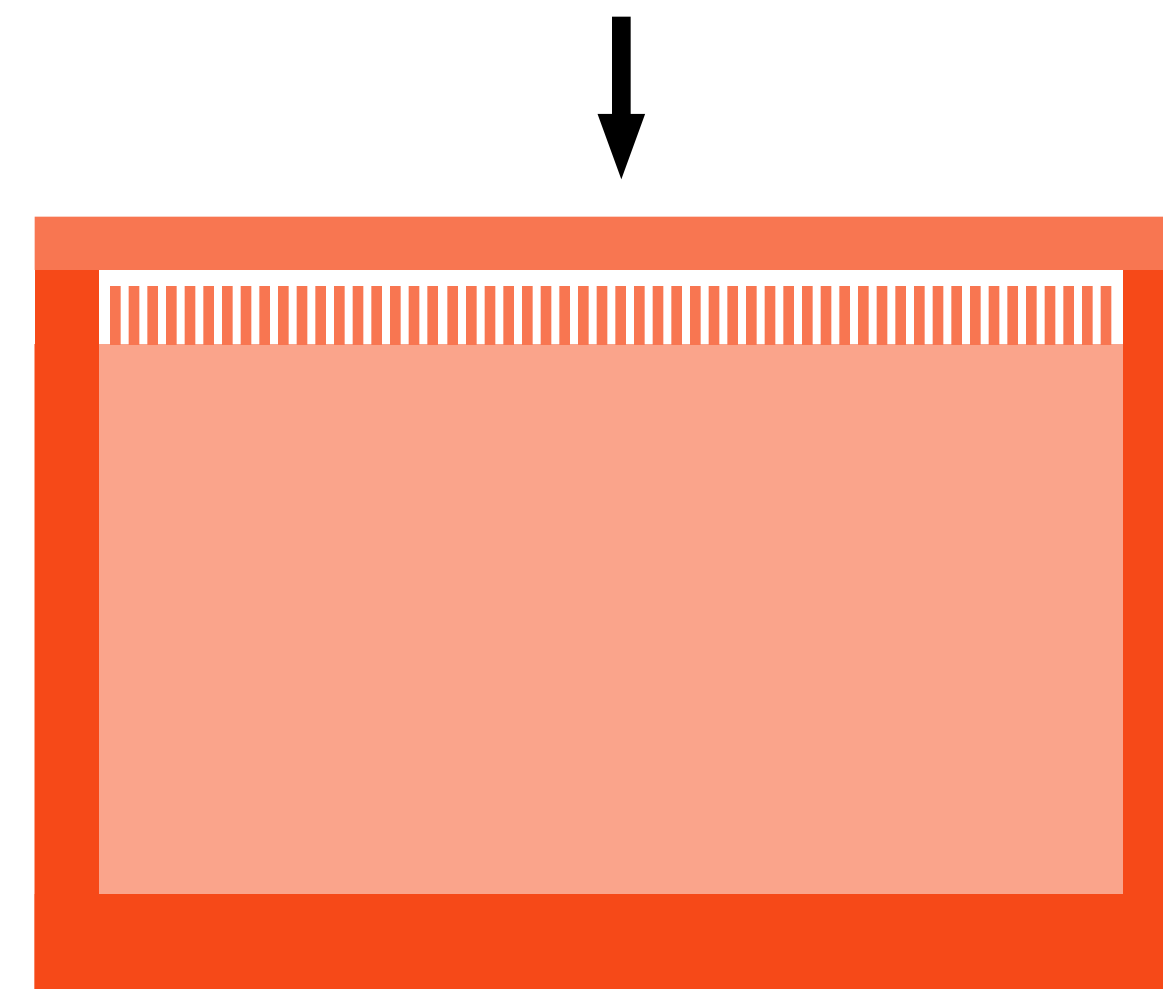


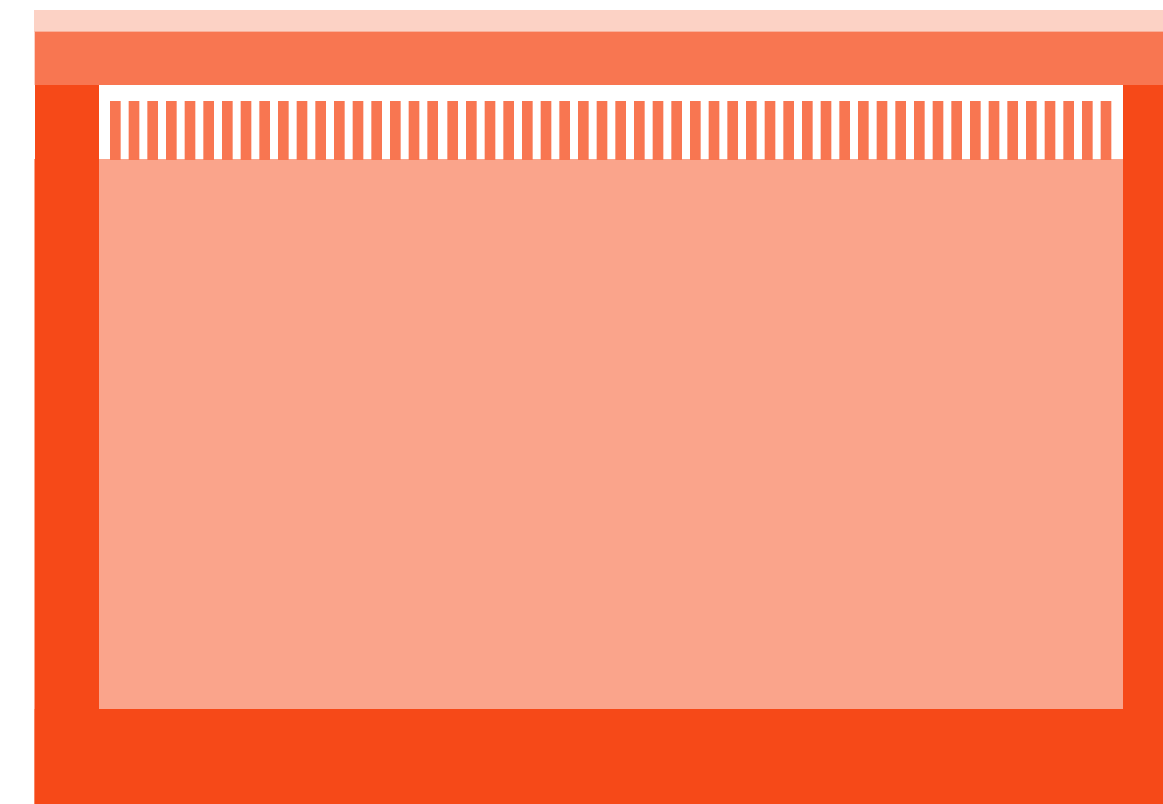


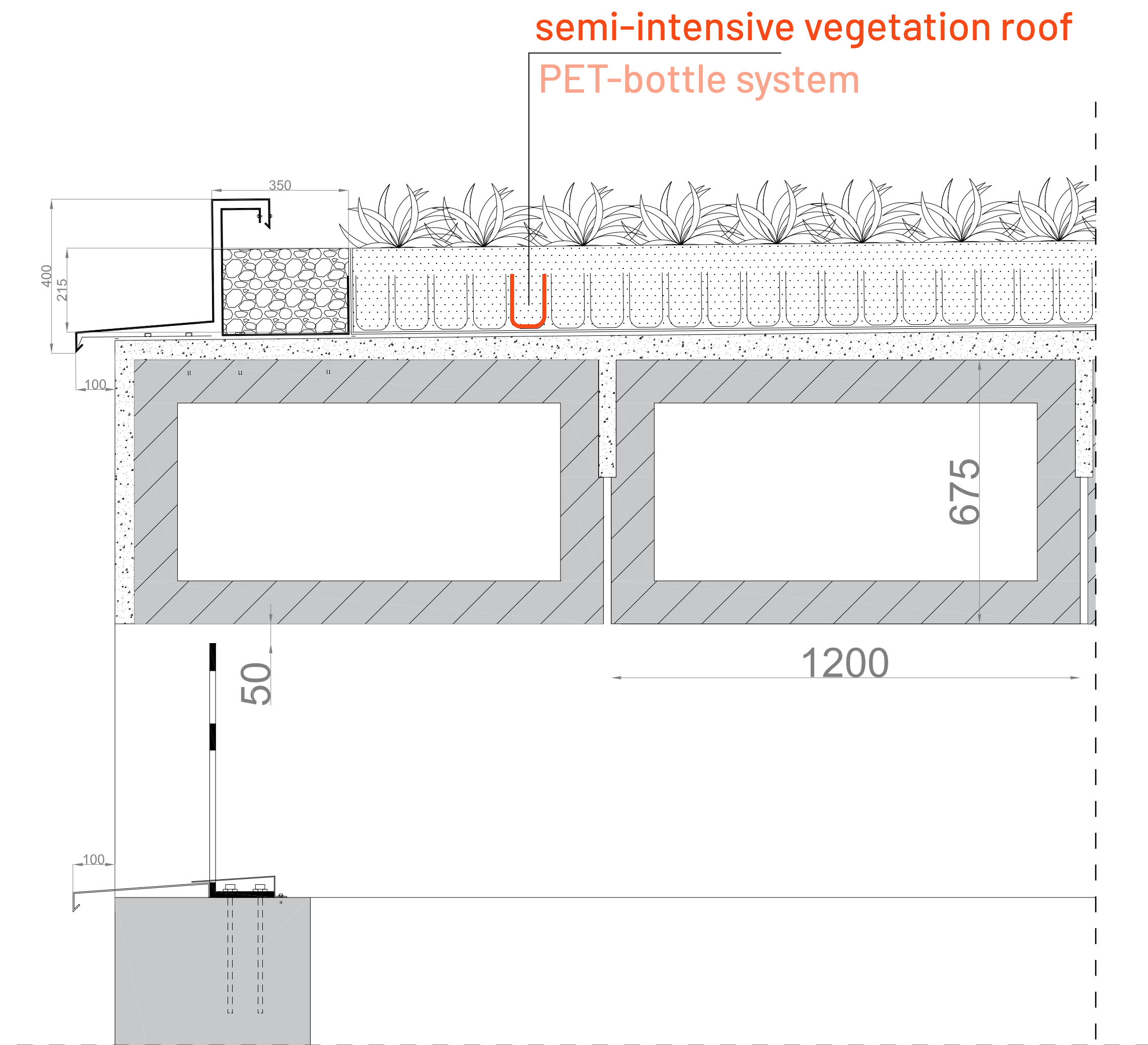


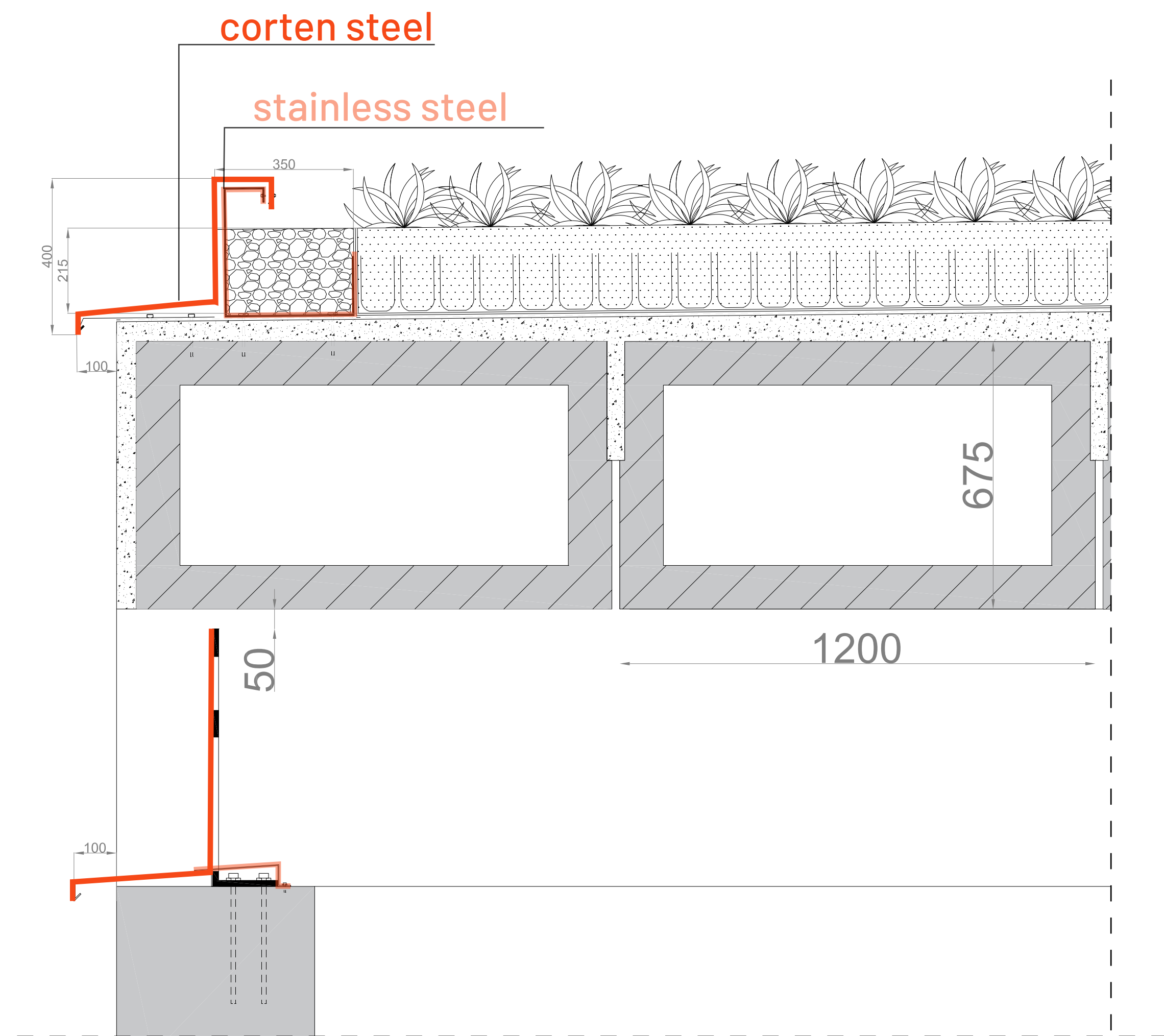


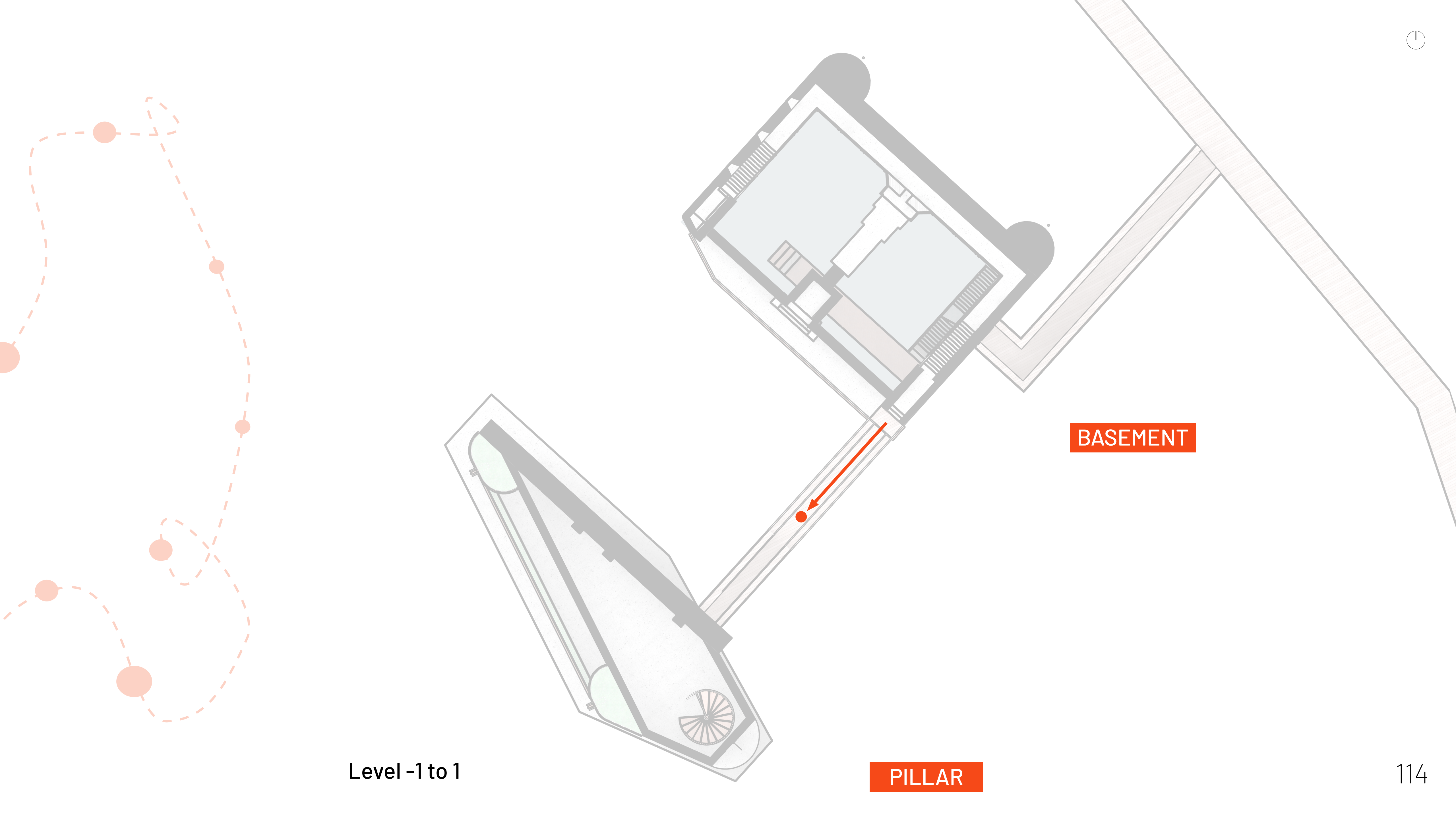










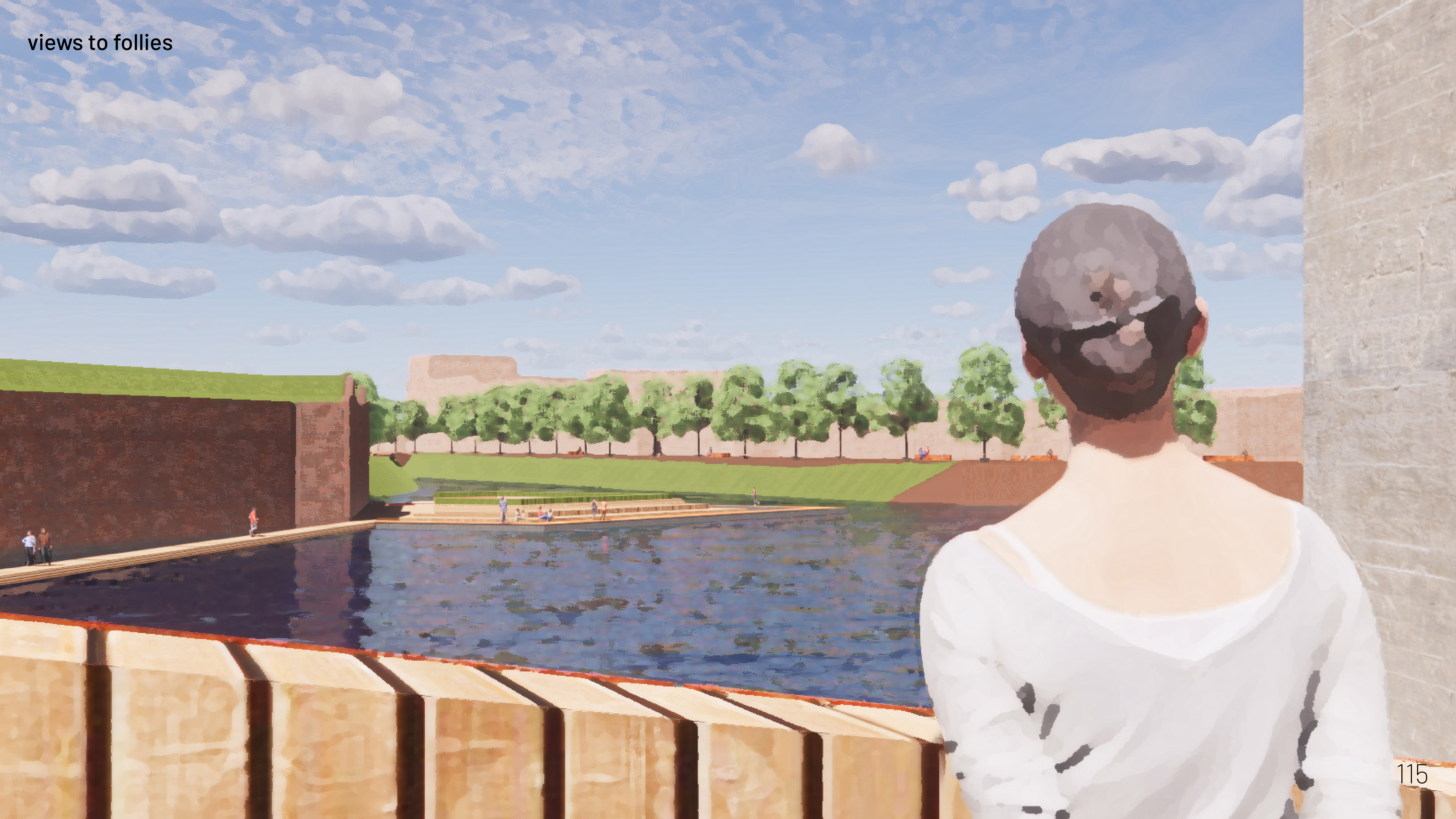


Level -1 to 1

PILLAR

BASEMENT

views to follies







a place to stop



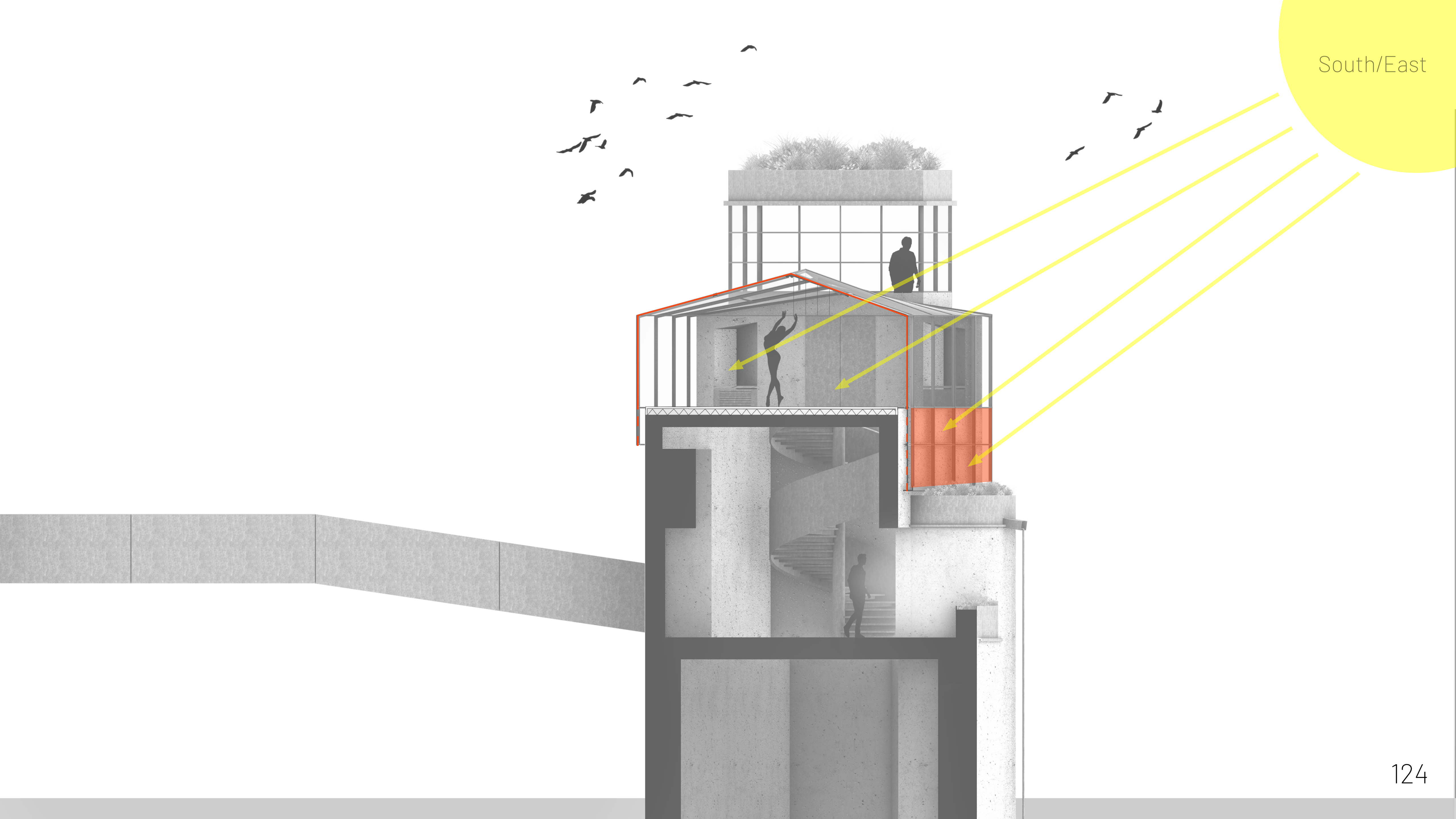






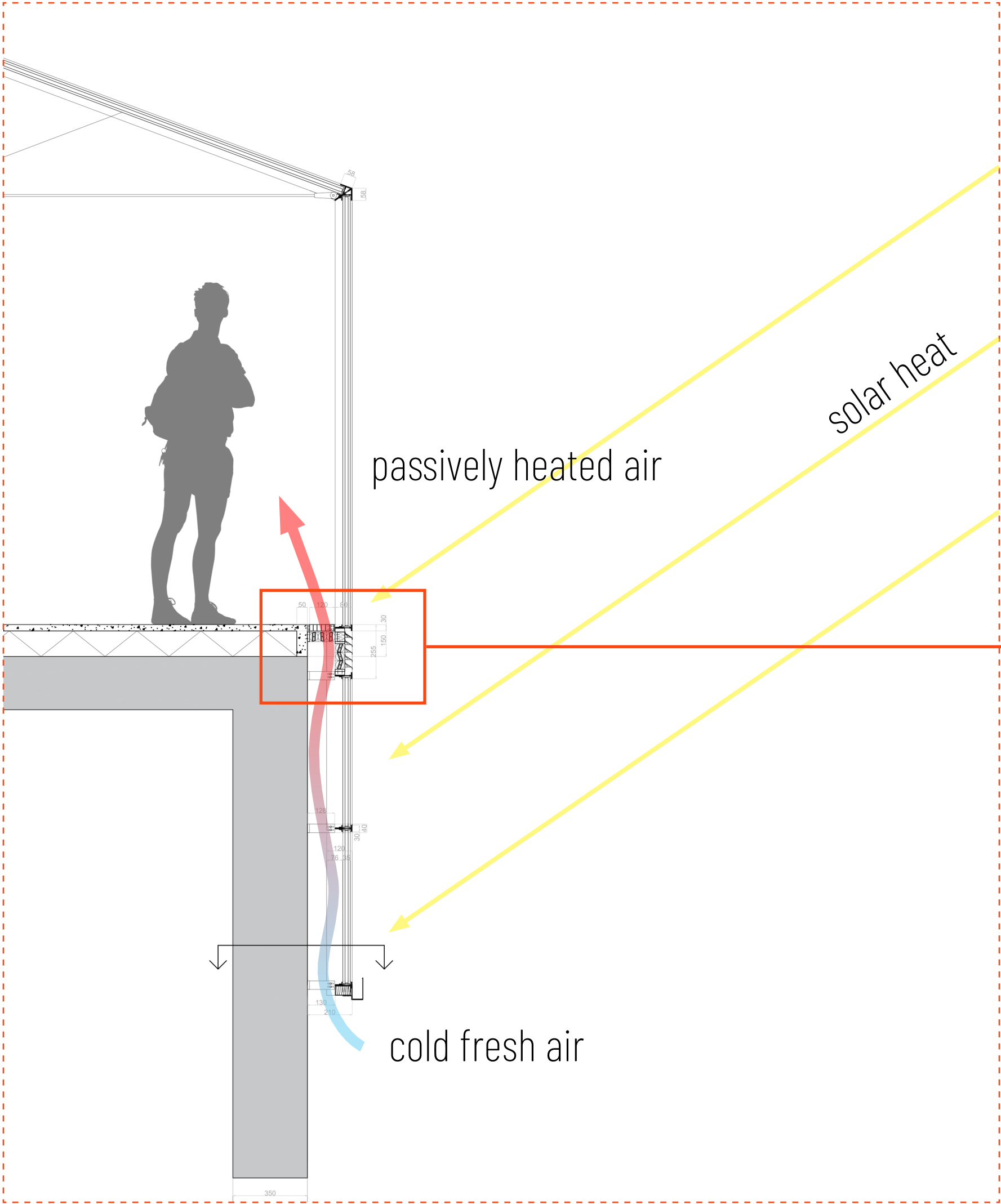




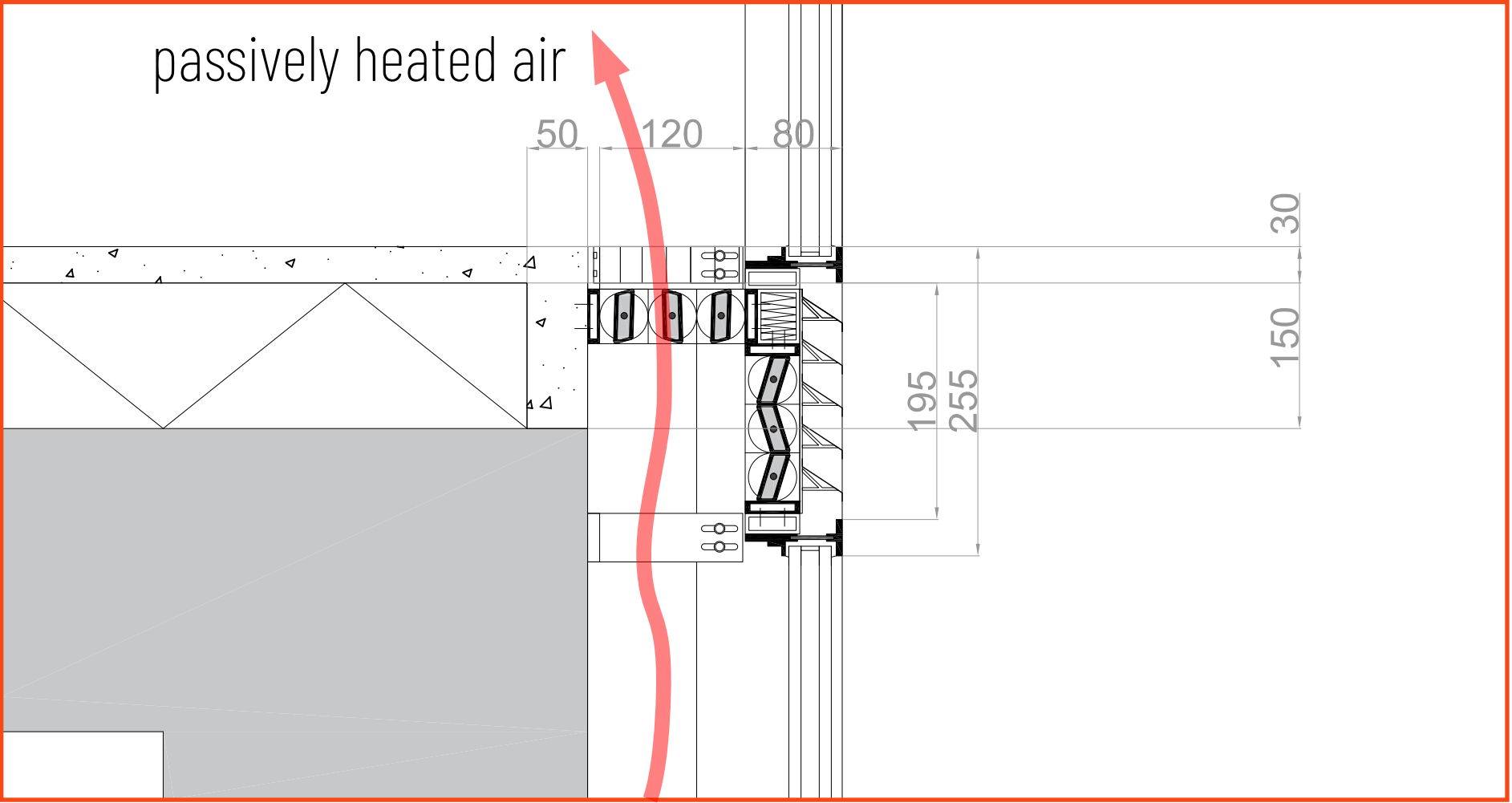


South/East

WINTER

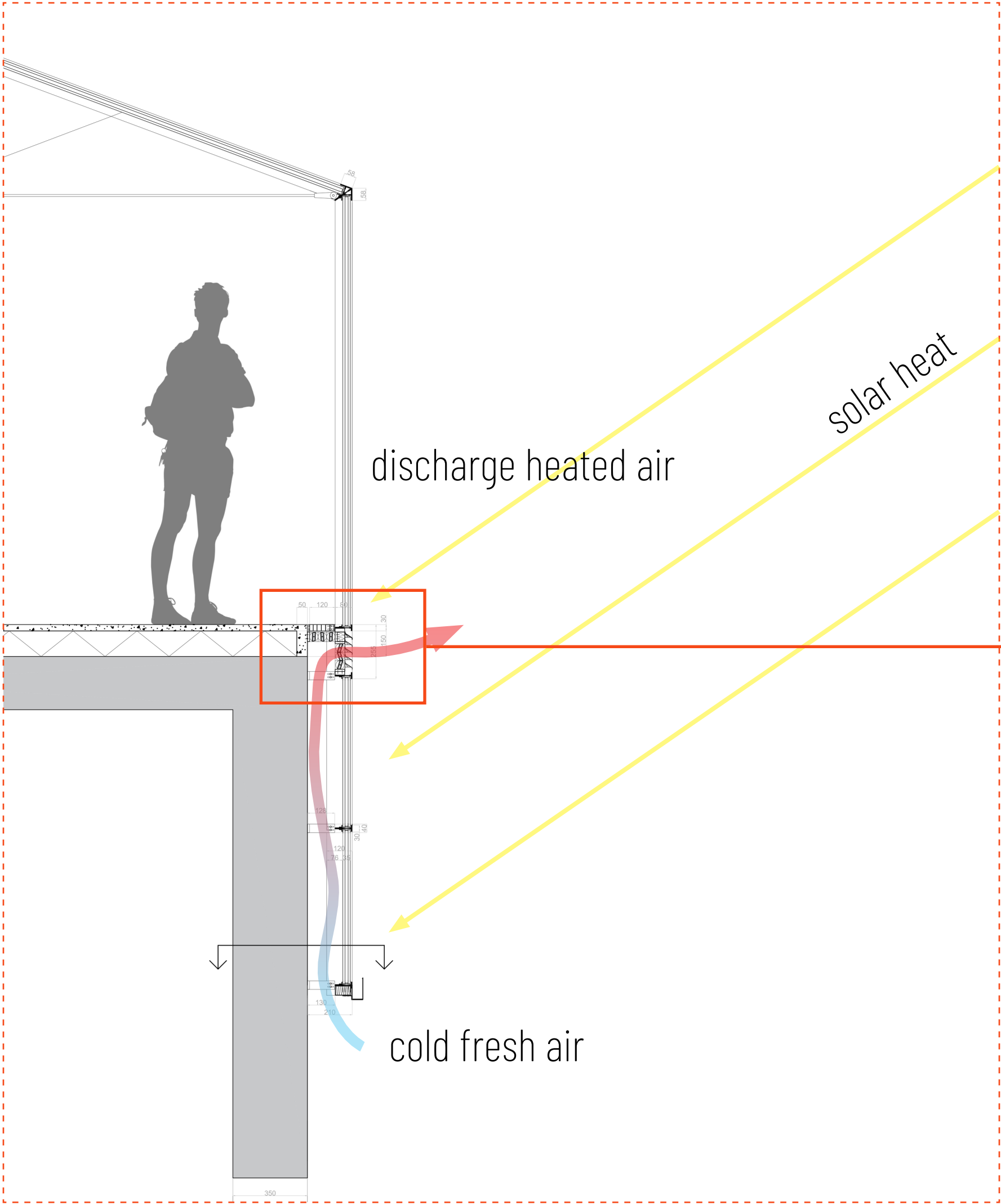


Vertical Detail

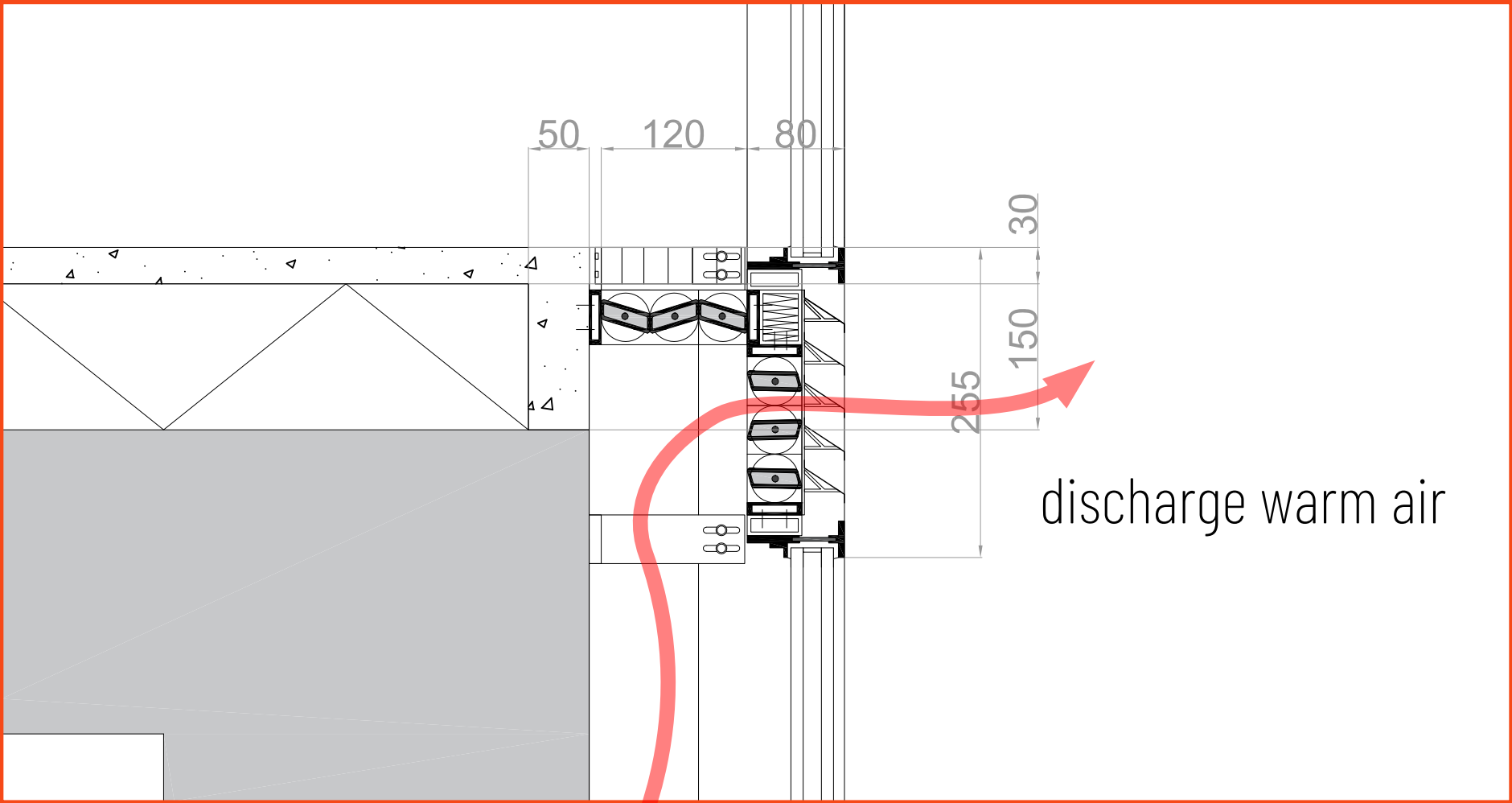


Vertical Detail

SUMMER



Vertical Detail



Vertical Detail

WINTER

normal use

Exhaust ventilation
(Windows or mechanical)

Passive heating



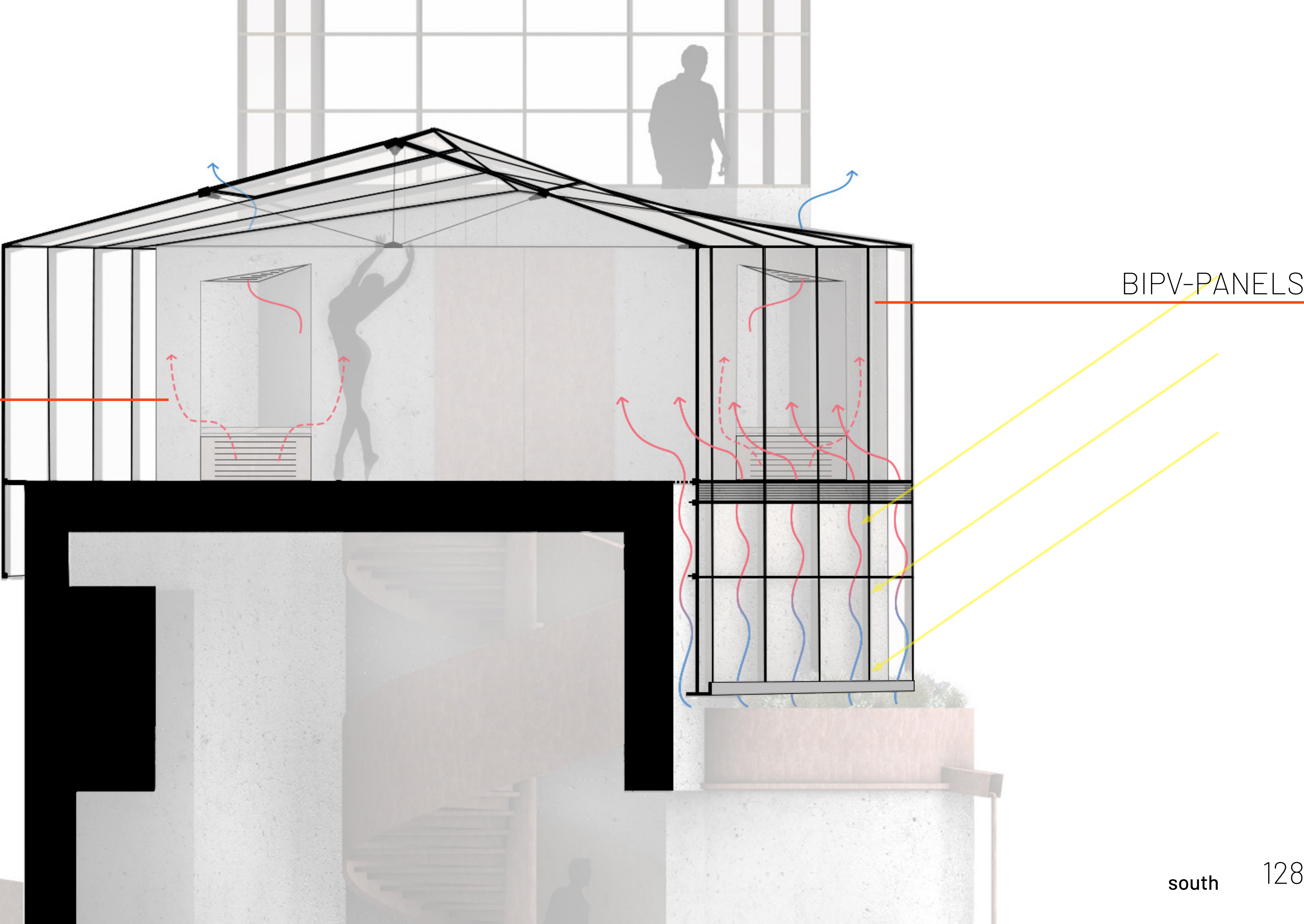
WINTER
intensive use

ELECTRIC HEATING
(Supply air, decentral)

BIPV-PANELS

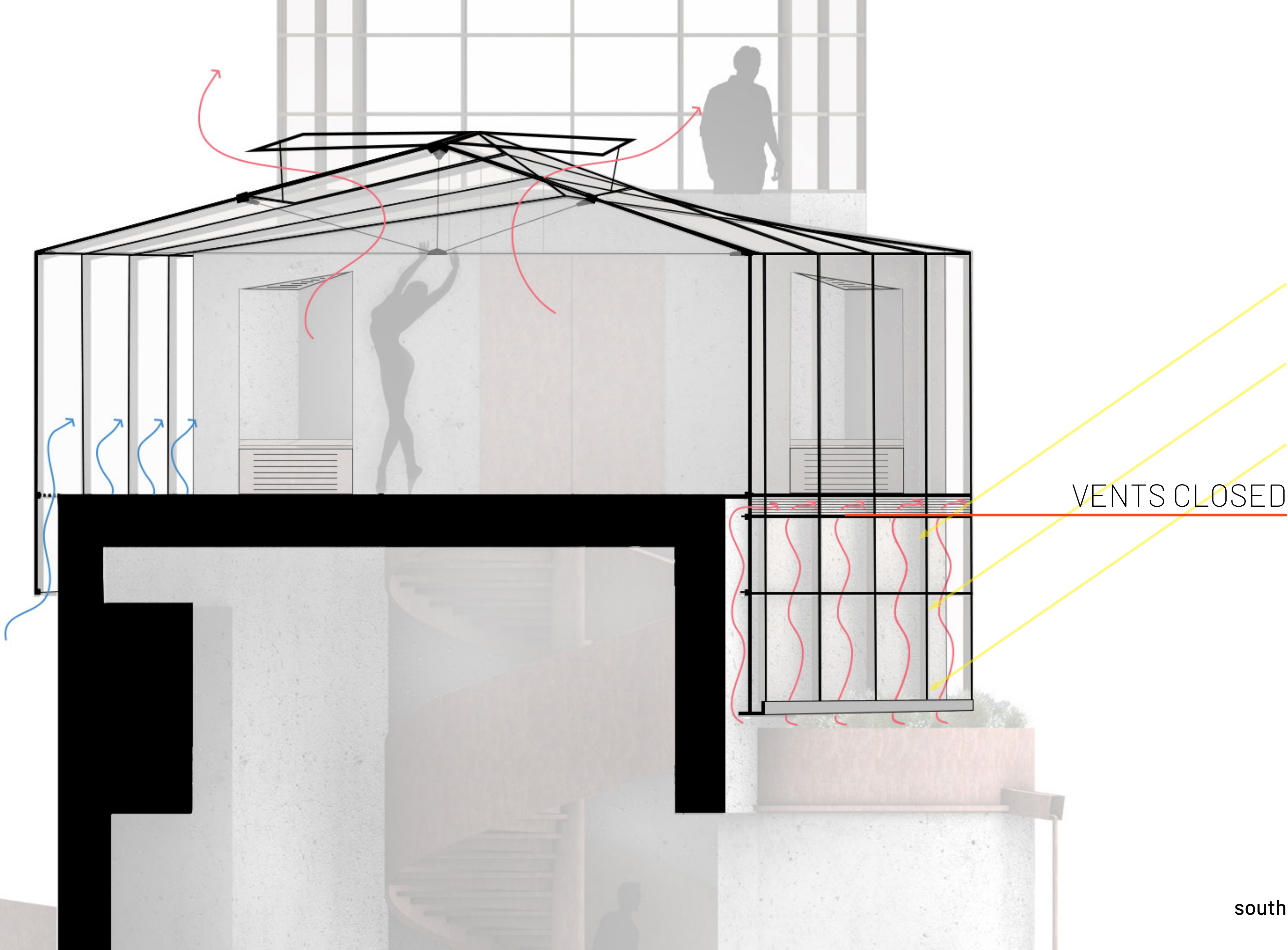
north

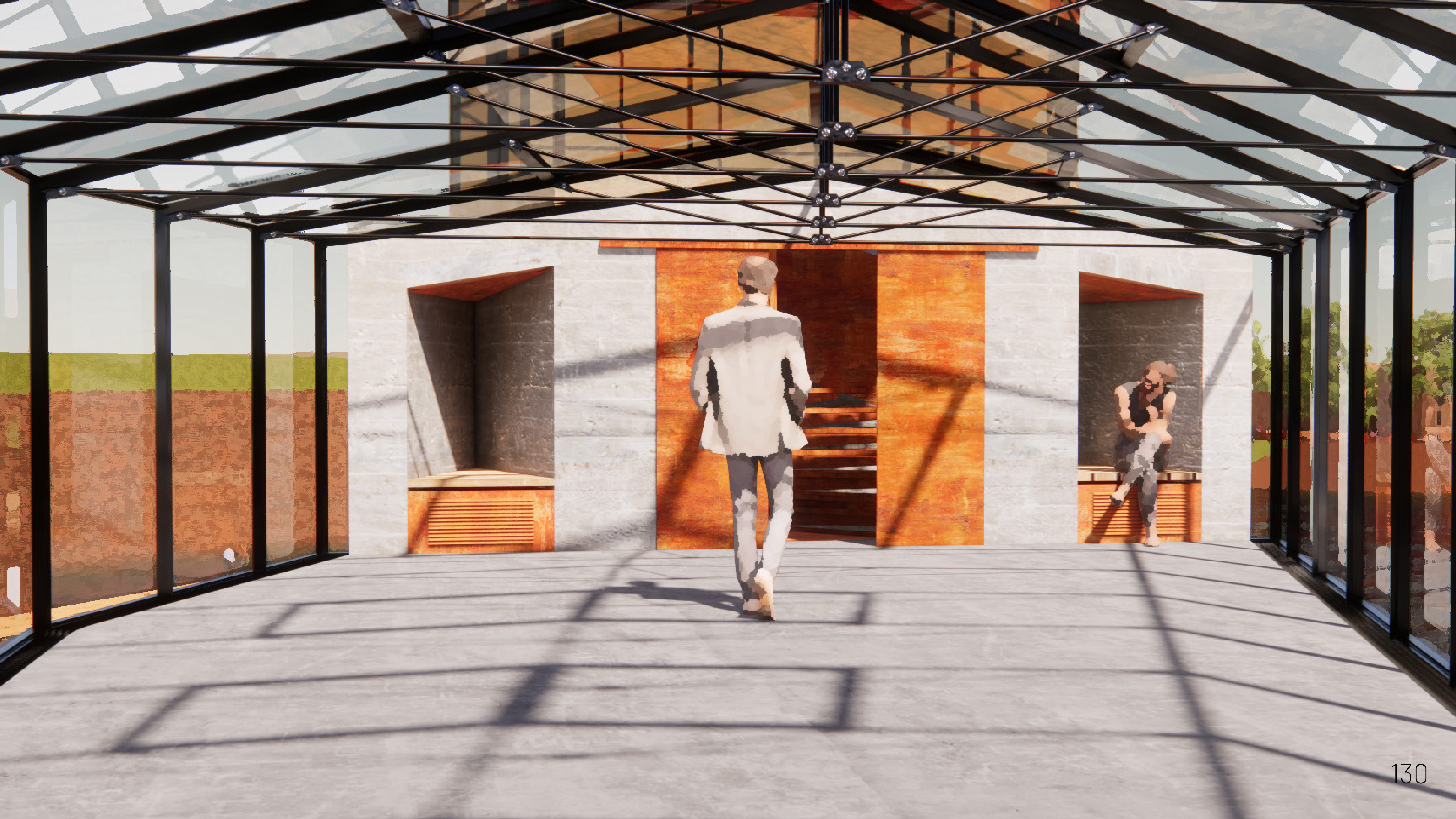
south

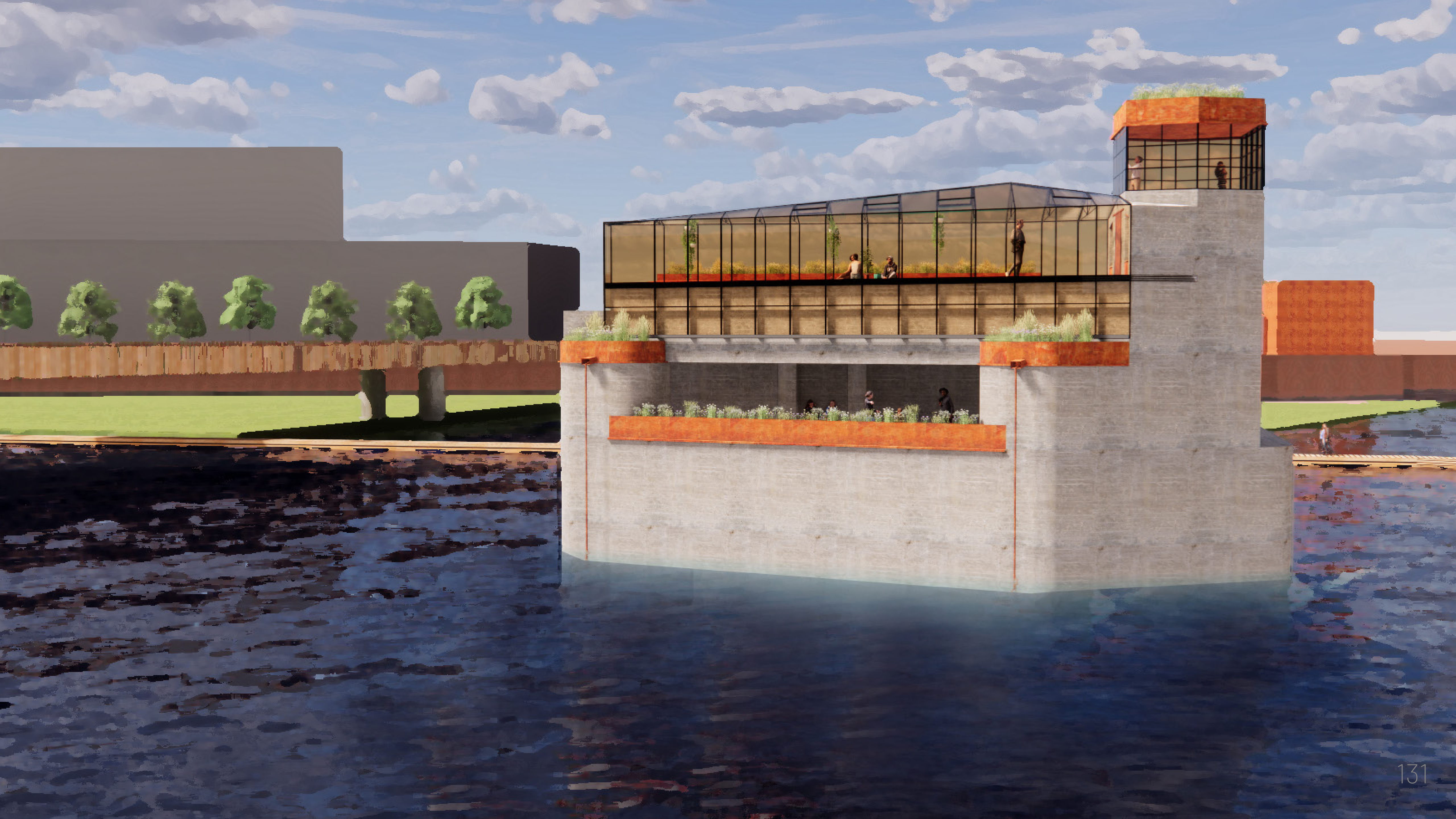


SUMMER

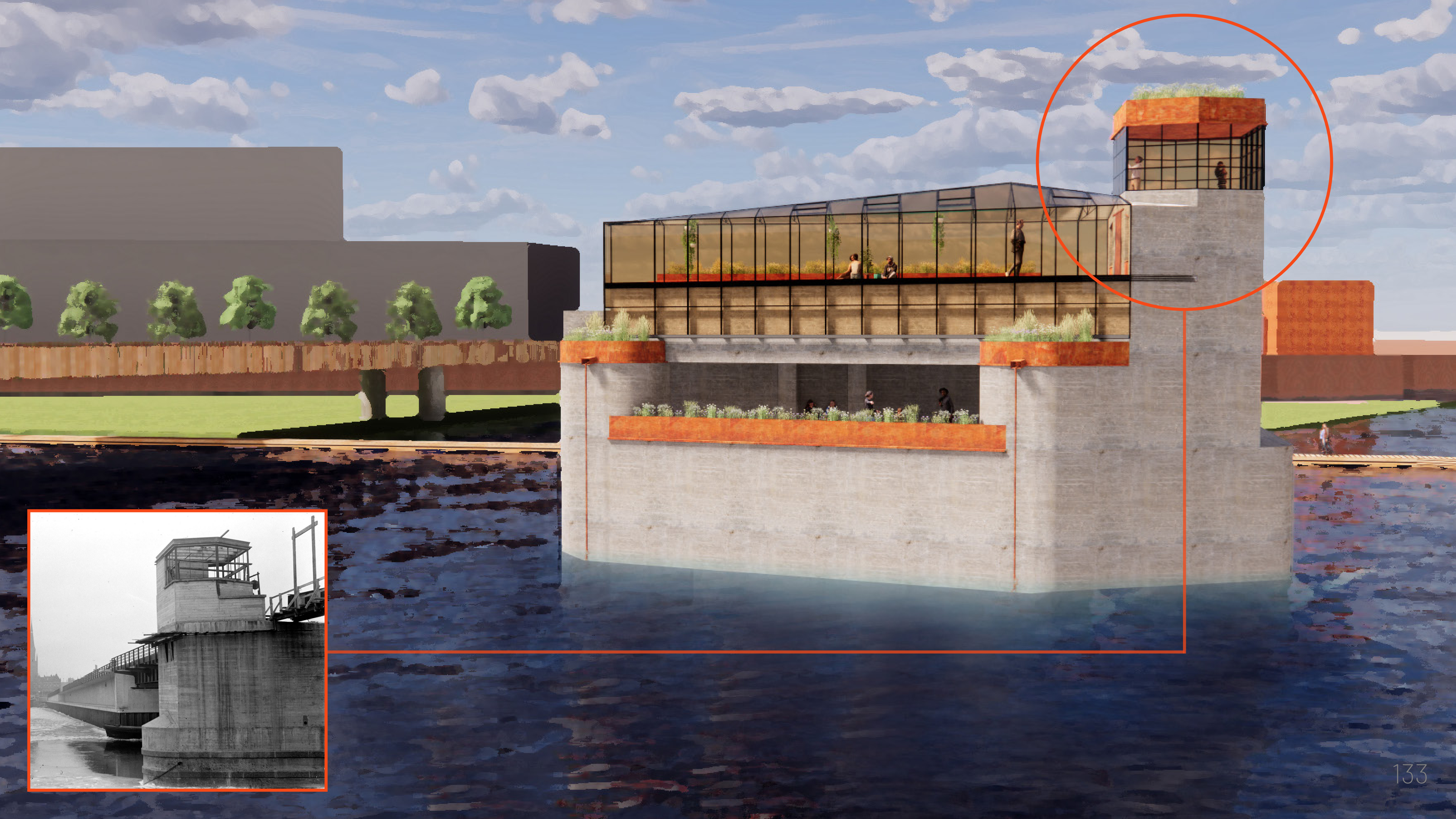
normal use

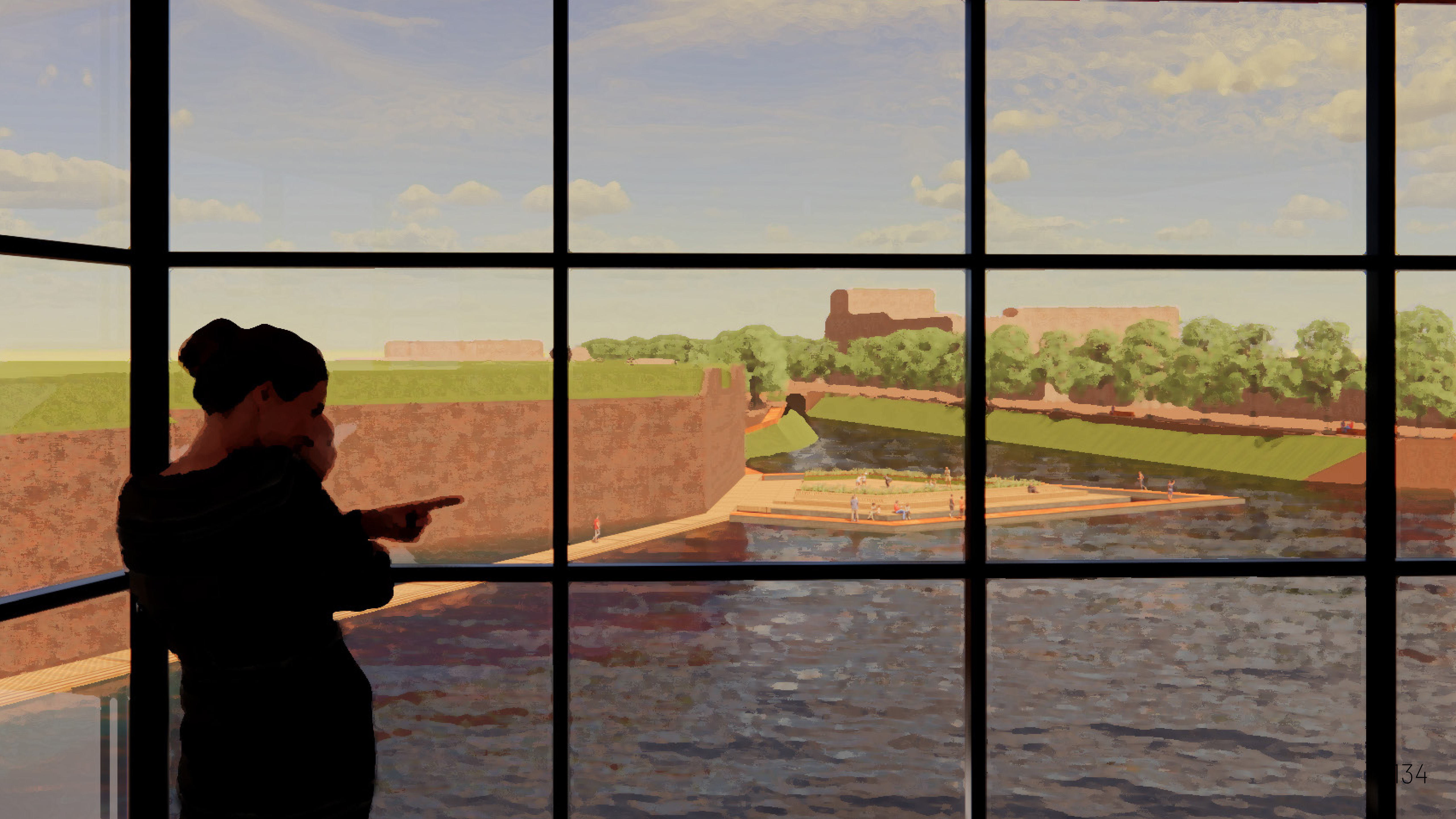


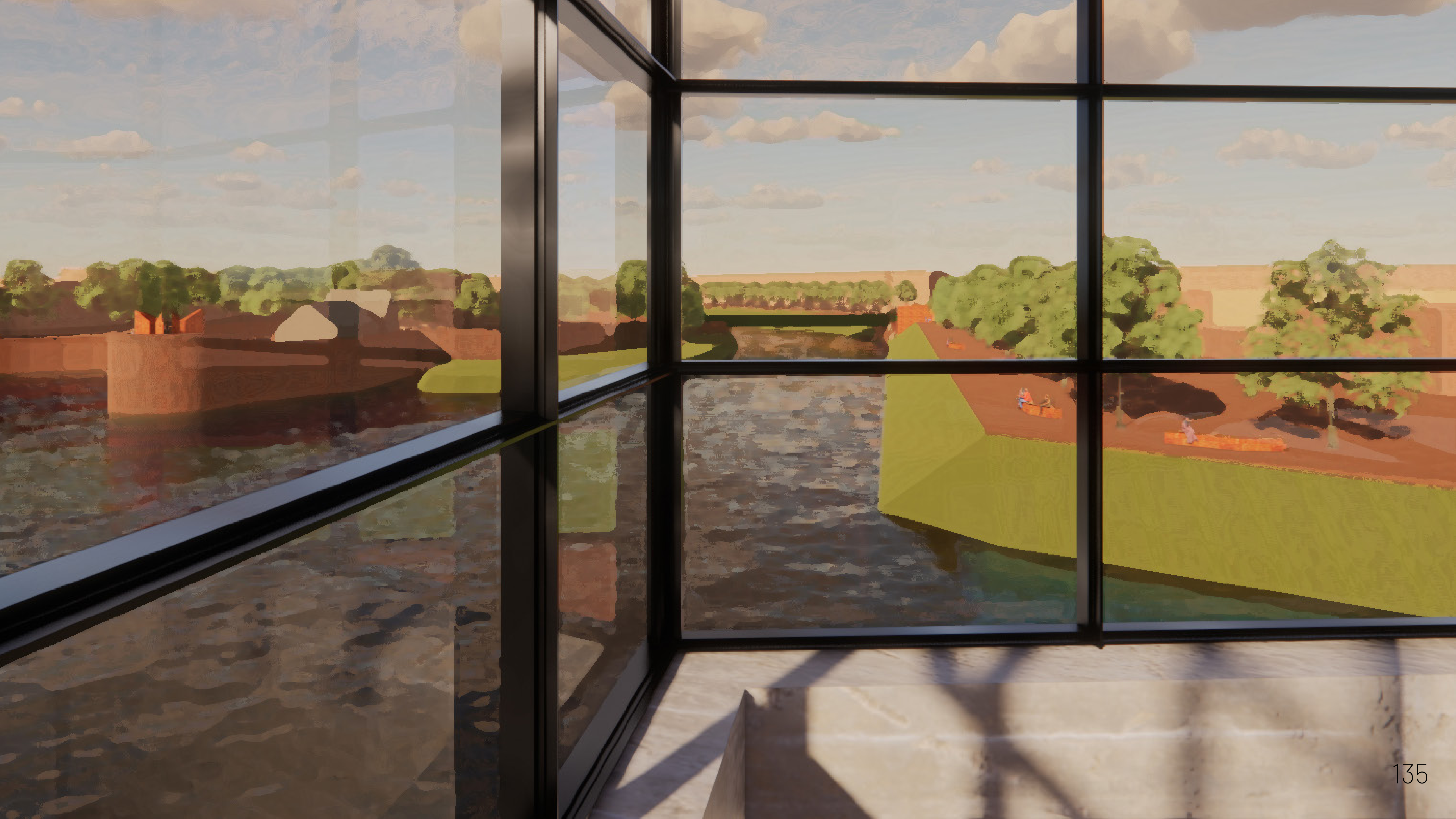




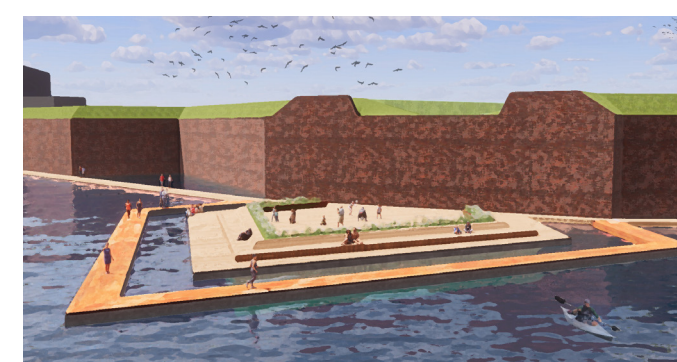




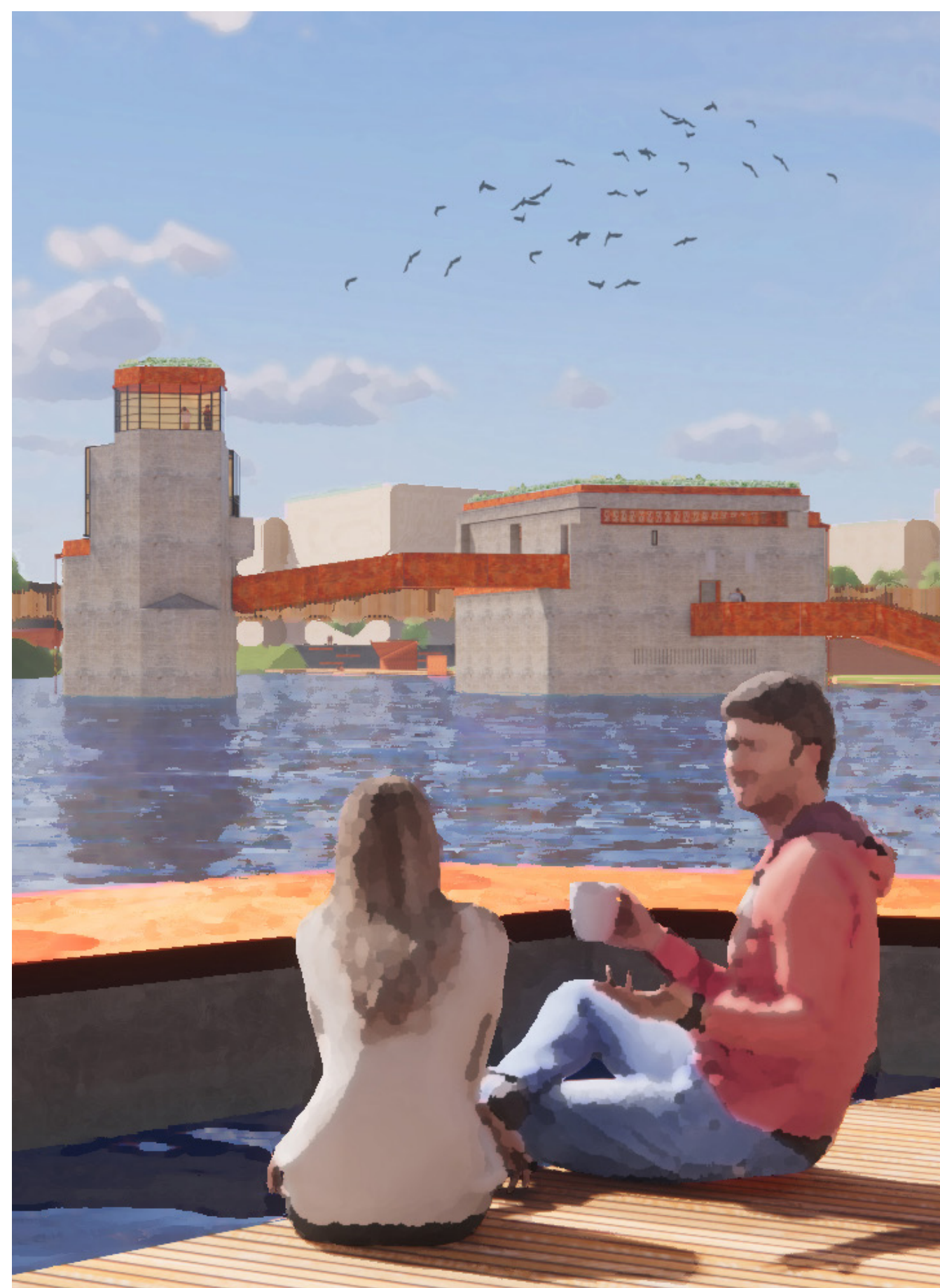








REFLECTIONS OF THE BOSSCHE STADSDDELTA



REFLECTIONS OF THE BOSSCHE STADSDDELTA



EXPERIMENTATION

by moving, listening, filming, writing poetry, making sound, photos, blogging...

REFLECTIONS OF THE BOSSCHE STADSDDELTA



EXPERIMENTATION

resulted in a sensitive and reflective attitude

REFLECTIONS OF THE BOSSCHE STADSDDELTA

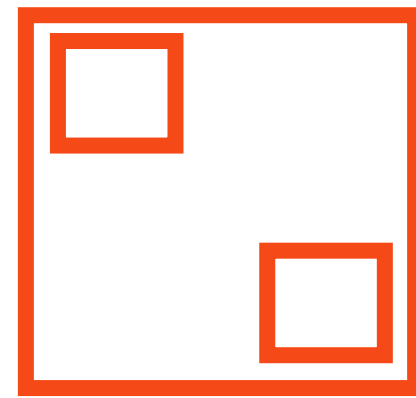


EXPERIMENTATION

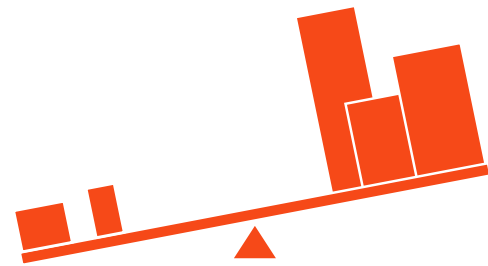
to discover elements that make the Bossche Stadsdelta experiencable



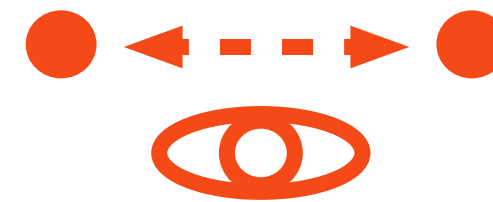
REFLECTIONS OF THE BOSSCHE STADSDDELTA



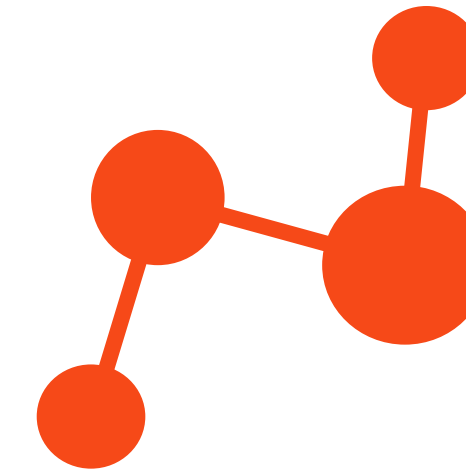
—
sensitive
synergy



—
small scale
open to action



—
sightlines



—
shared
language

REFLECTIONS OF THE BOSSCHE STADSDDELTA



REFLECTIONS OF THE BOSSCHE STADSDDELTA

Thank you!



REFLECTIONS OF THE BOSSCHE STADSDDELTA

Thank you!



REFLECTIONS OF THE BOSSCHE STADSDDELTA

Thank you!



REFLECTIONS OF THE BOSSCHE STADSDDELTA

Thank you!



REFLECTIONS OF THE BOSSCHE STADSDDELTA

Thank you!