

BACK TO THE ZAAN, REGENERATION OF INDUSTRIAL AREA IN KOGERVELD

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GRADUATION PRESENTATION



INTRODUCTION

Focus of the studio

Location

Concept

Urbanism

Design

Conclusion

FOCUS OF GRADUATION STUDIO

City renewal

cit·y [sit-ee] an incorporated municipality, usually governed by a mayor and a board of aldermen or councilmen

re·ne·wal [ri-noo-uhl] the act of renewing

Densification of railway station areas

den·si·fy [den-suh-fahy] an increase in the density of something

rail·way [reyl-vey] a rail line with lighter-weight equipment and roadbed than a main-line railroad

sta·tion [stey-shuhn] a stopping place for trains or other land conveyances, for the transfer of freight or passengers

ar·e·a [air-ee-uh] any particular extent of space or surface

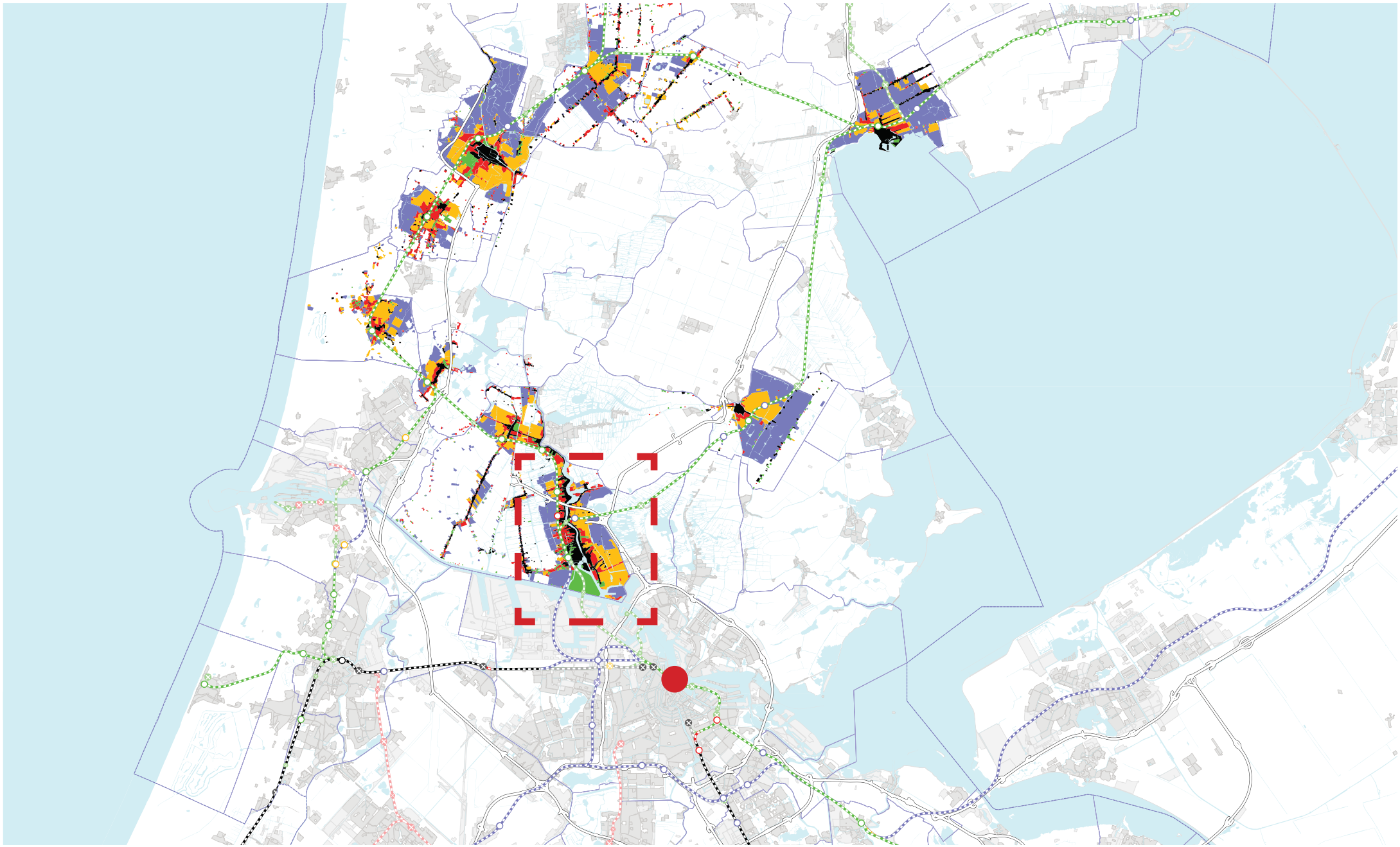
Improvement of railway station areas

im·prove·ment [im-proov-muhnt] a change or addition by which a thing is improved

rail·way [reyl-vey] a rail line with lighter-weight equipment and roadbed than a main-line railroad

sta·tion [stey-shuhn]

ar·e·a [air-ee-uh] any particular extent of space or surface



“Zaanstad is only 10 minutes with train to Amsterdam. This is a strong point if you want to attract new dwellers, companies, tourists or congresses. But it’s also a treat, you don’t want to become a overflow area for Amsterdam. Than Zaanstad is becoming a add-on. That’s exactly what they don’t want. They want their own identity, their own story their own life.”

Soeters, S. [2010]

Het verhaal van de Zaan, ROM magazine, jg. 28 no. 12 dec. p. 18-20

LOCATION



Extension of metropolitan area of Amsterdam

7000 new dwellings

Stations on the line

Krommenie Assendelft

Hypothetical North

Wormerveer

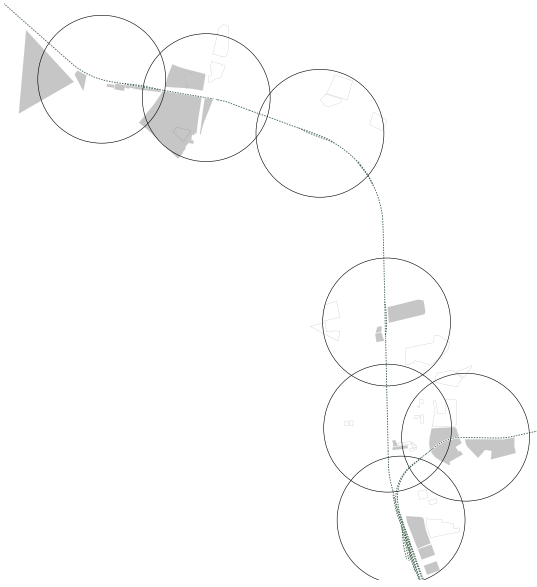
Koog Zandijk

Zaandam Kogerveld

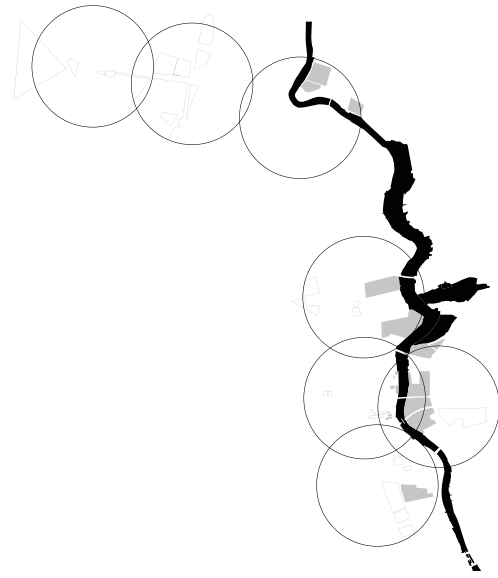
Koog Bloemwijk

Hypothetical South

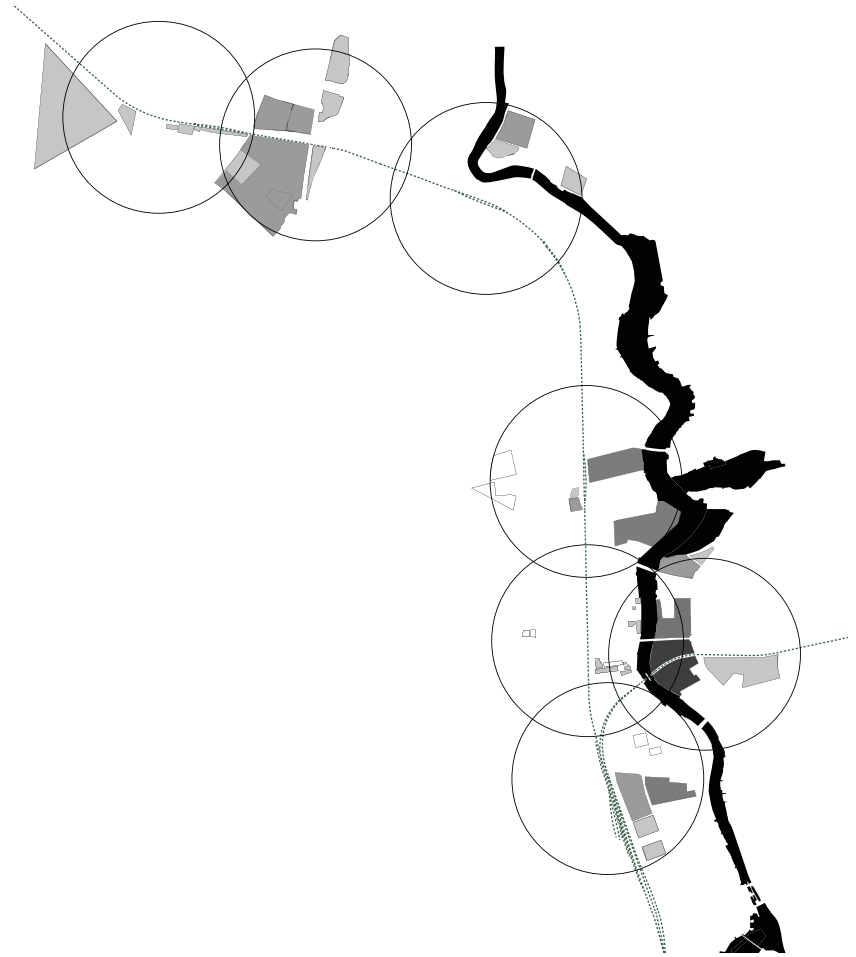
Zaandam



relation with the railway



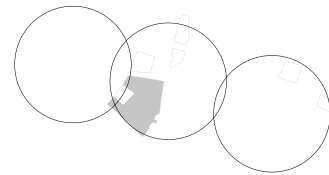
relation with the river



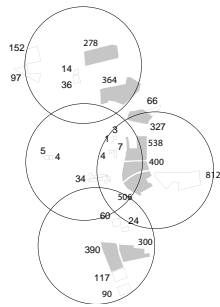
all the criteria combined in one diagram

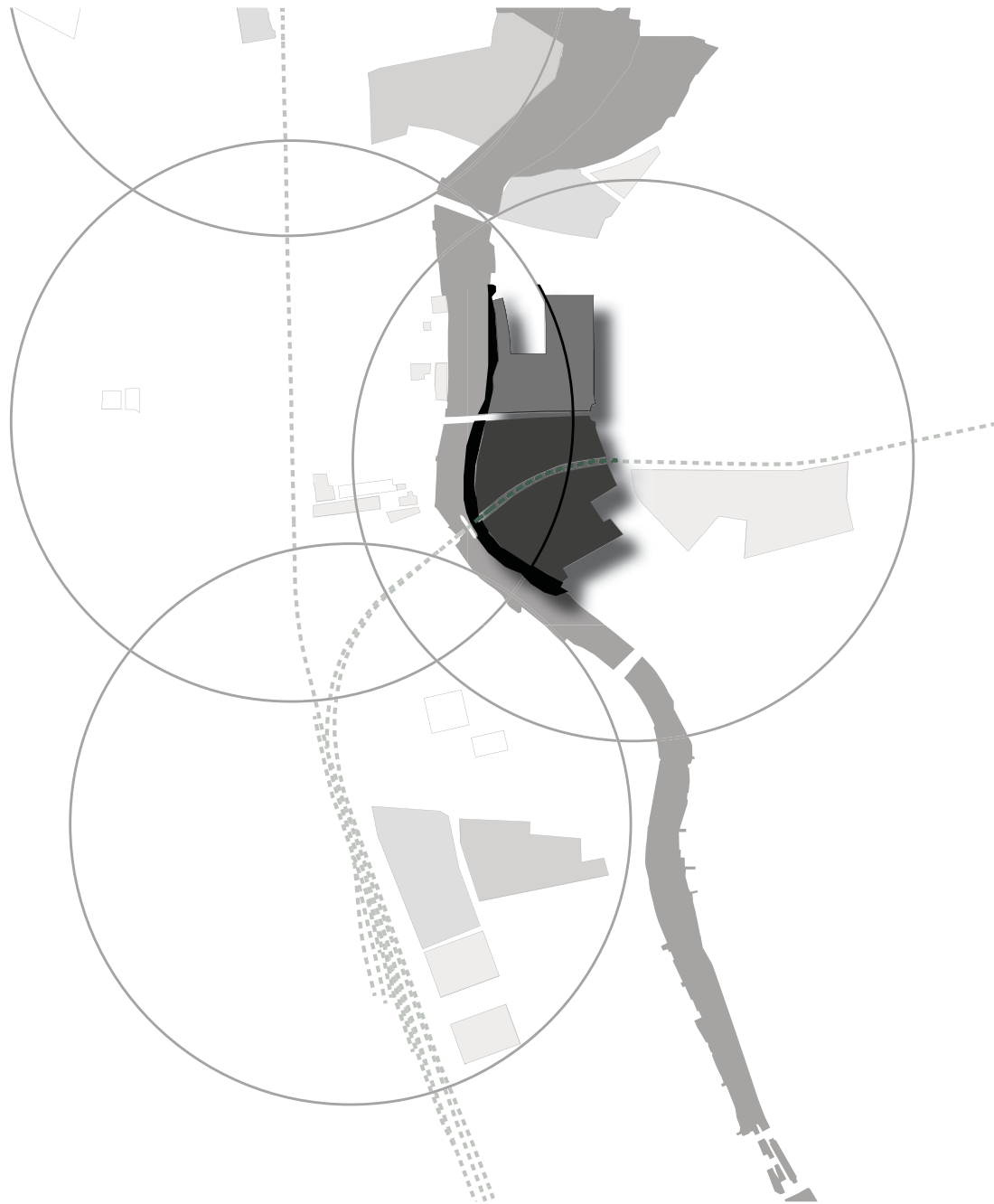


a scale of relevance



industrial areas



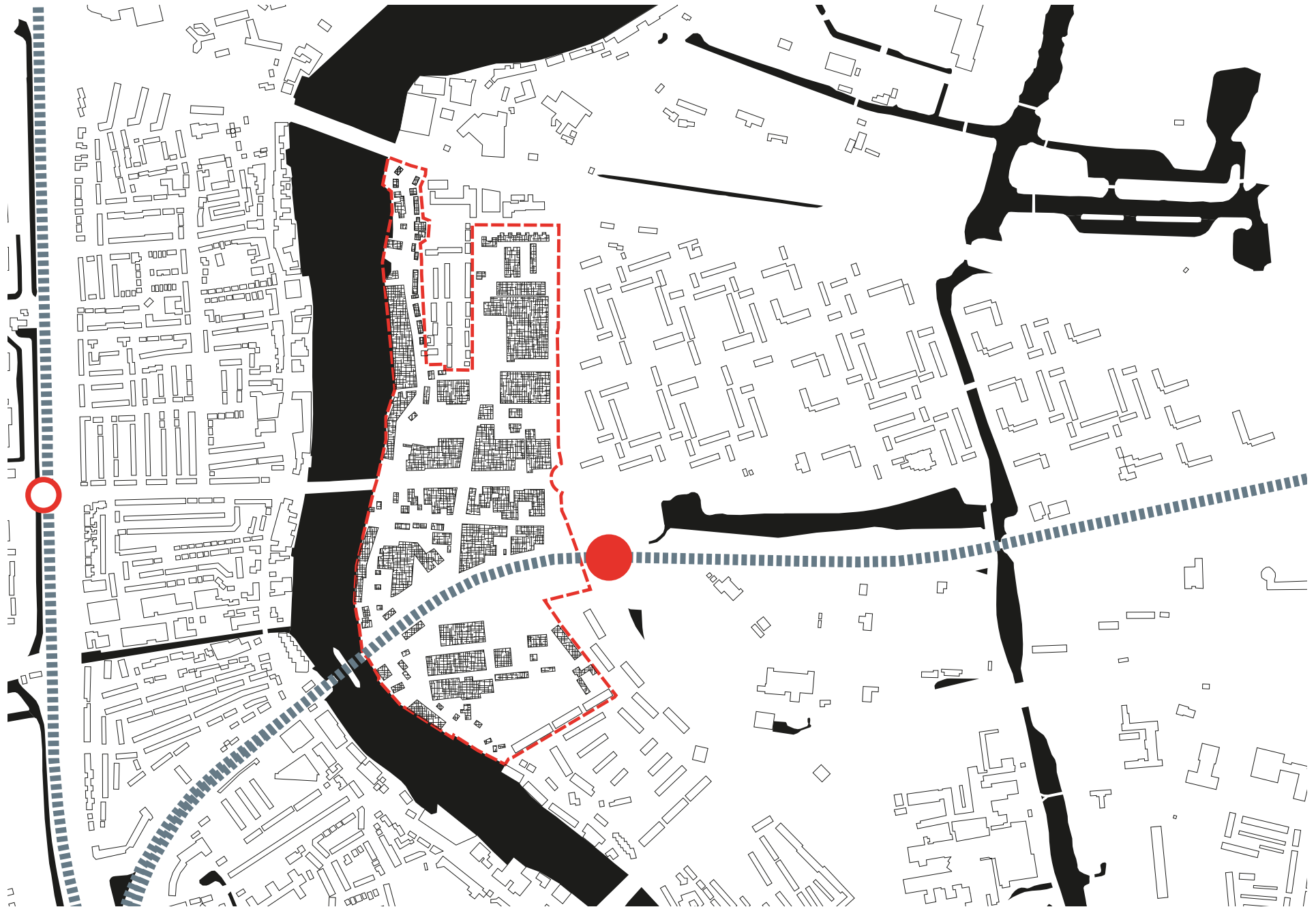


1444 dwellings

average of 2.0 people per dwelling

at least 2888 new population

		RAPPORT HENK ENGEL	
	2010	2030	2030
Population within in 800 m	6461	9303	11861
Total population	22071	24913	27471
Coverage percentage	29 %	37 %	43 %
Passengers NS station	2146	2430	2680
HOV line			2210
Total passengers			4890























large densification assignment

neglected station building

undefined station area

industrial buildings in area to be densified

elevated traintrack with talud breaking up the area

pollution due to industry

a architectural intervention that combines the improvement of the station and station area, by bringing a park [as public space] and functions as activator for the densification area of Kogerveld

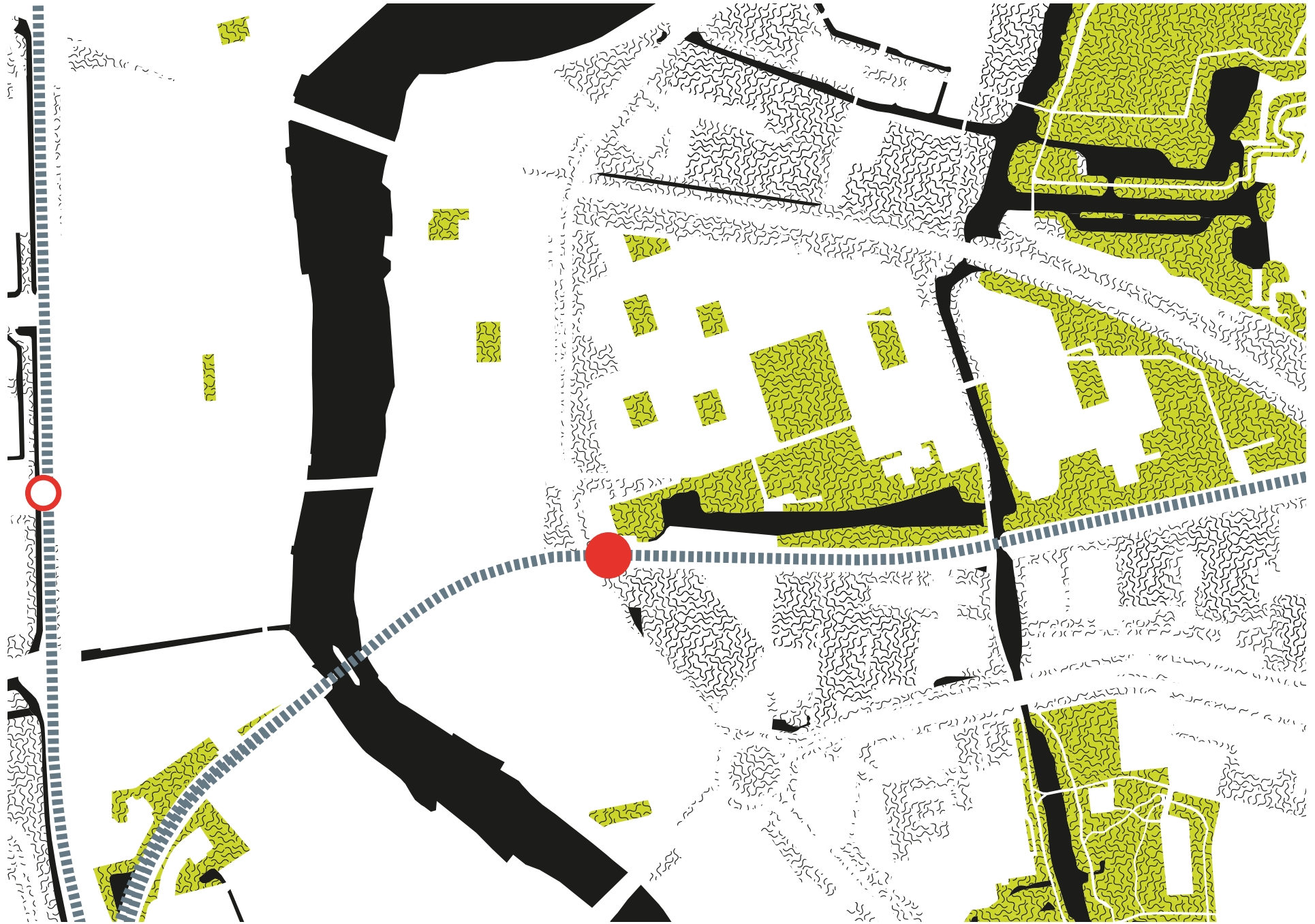
“Project areas show a large variety of scale. Quite often in concerns area of decent size.

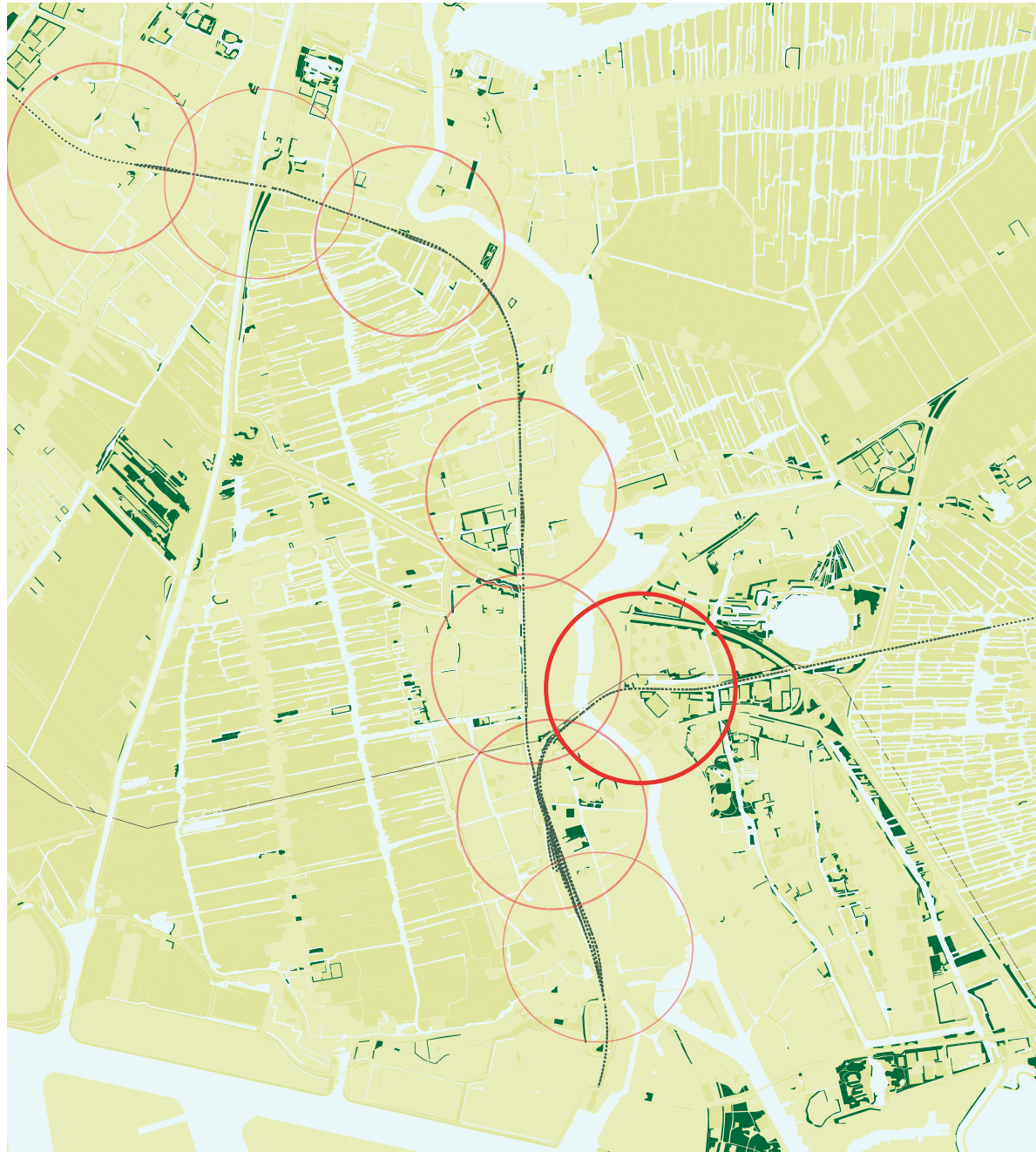
But most they stayed in line with the Dutch tradition, this form of urban renewal is primarily perceived as a statement of dwellings, on which the public functions in the form of facilities or public space is 'only' a small part.”

Claessens, F.; Velzen, E. van De actualiteit van het stedelijk project IN; Engel, H.; Claessens, F. [2007] OverHolland 4; Architectonische studies voor de Hollandse stad [Zeist] Uitgeverij SUN p.33-39

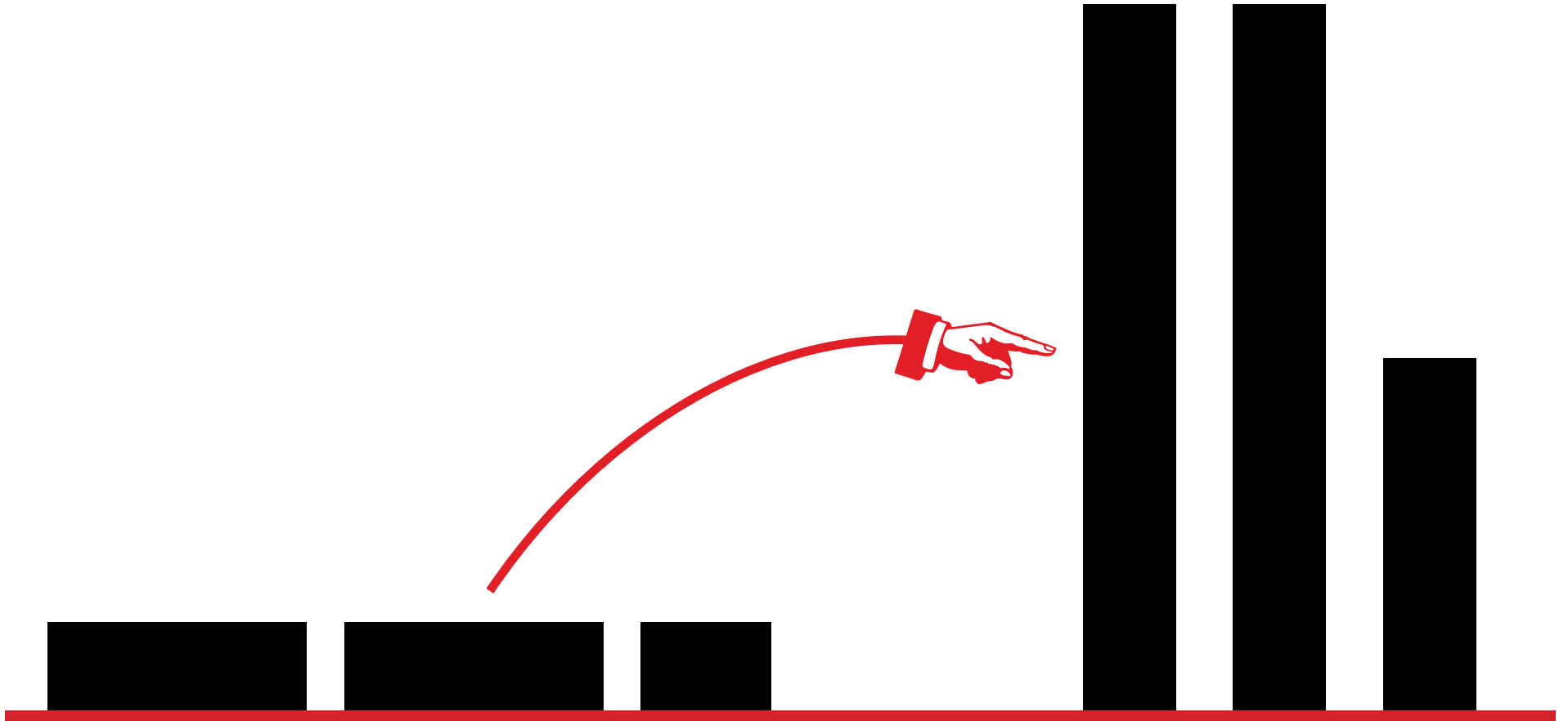


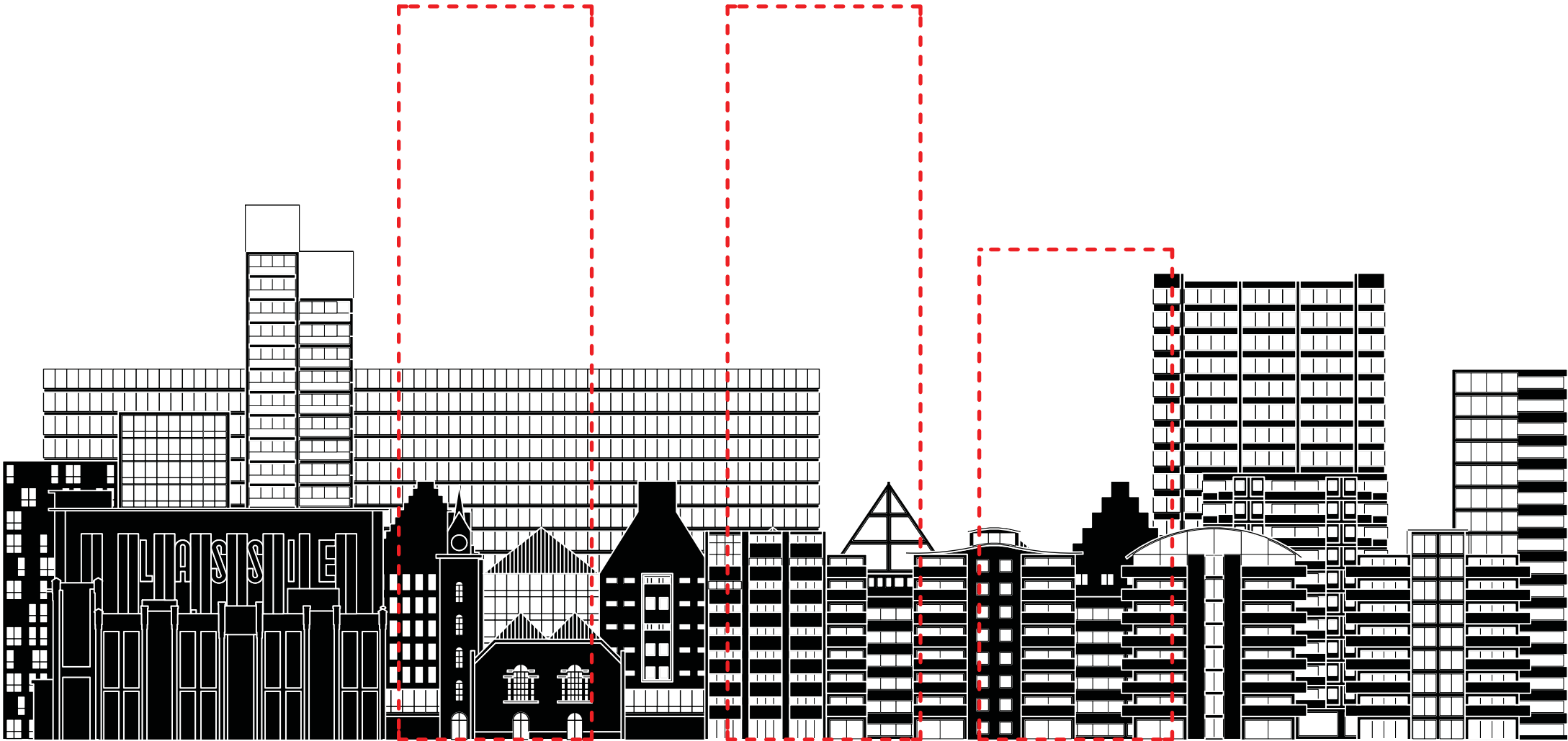












FOCUS OF GRADUATION STUDIO

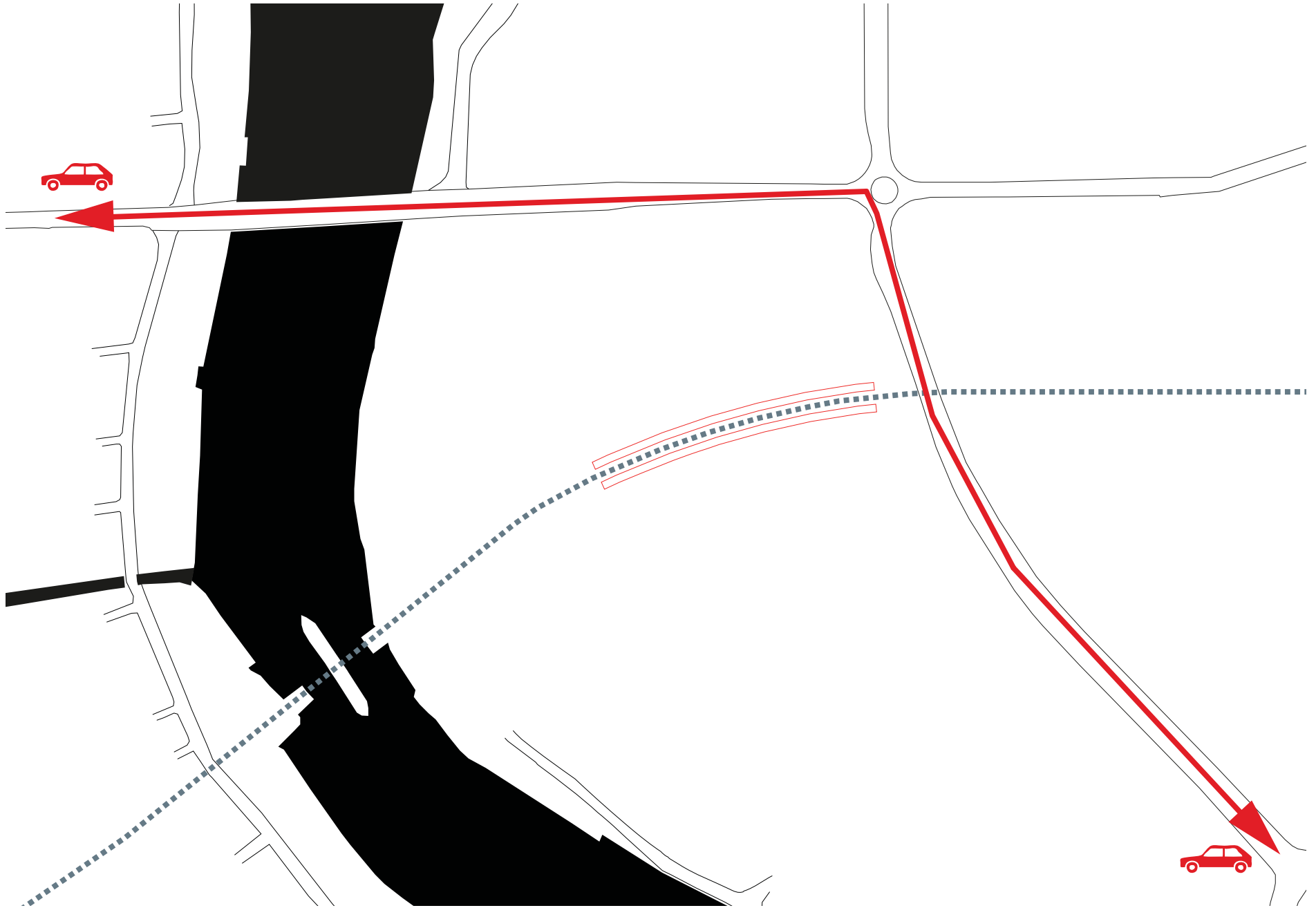
LOCATION

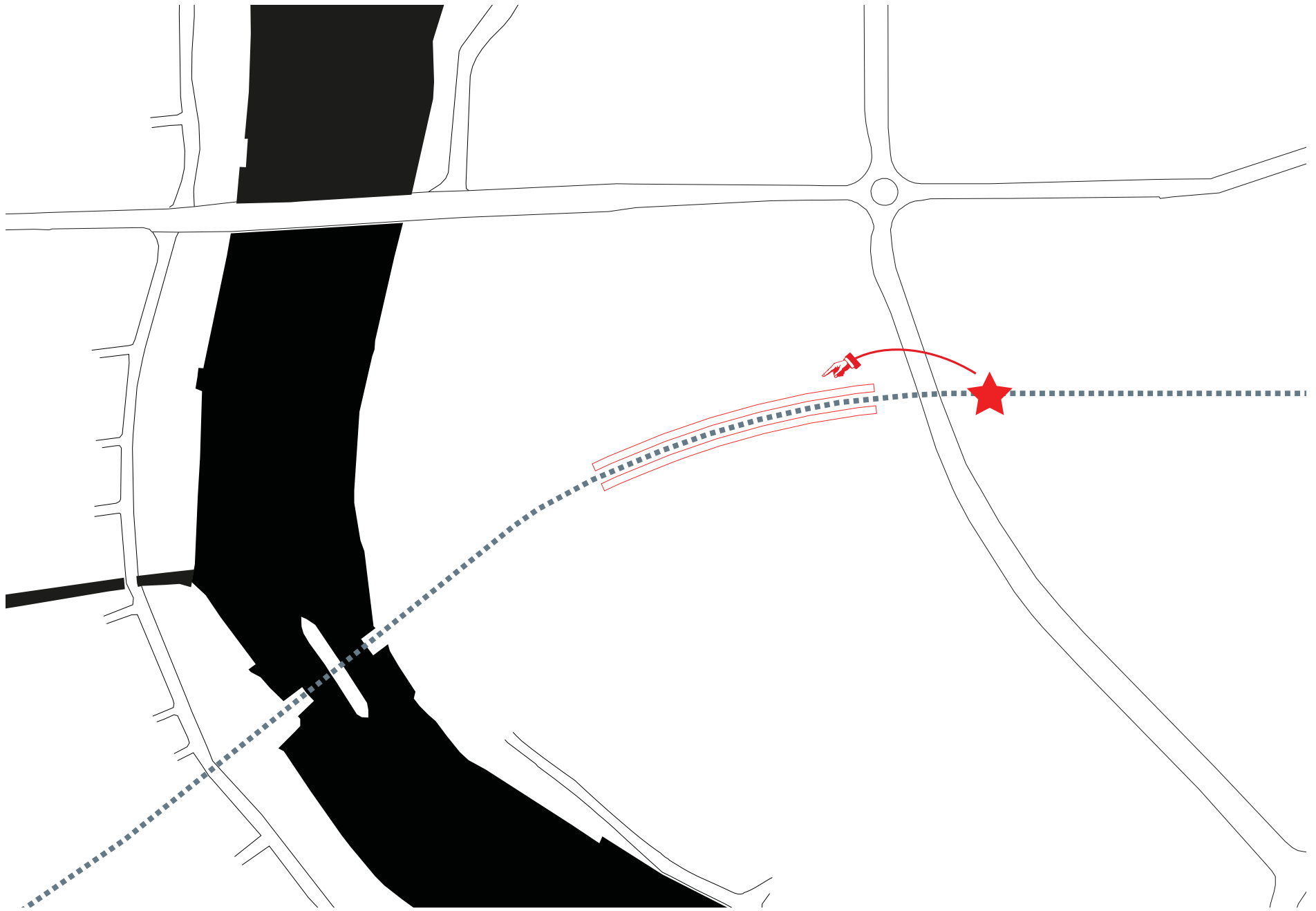
CONCEPT

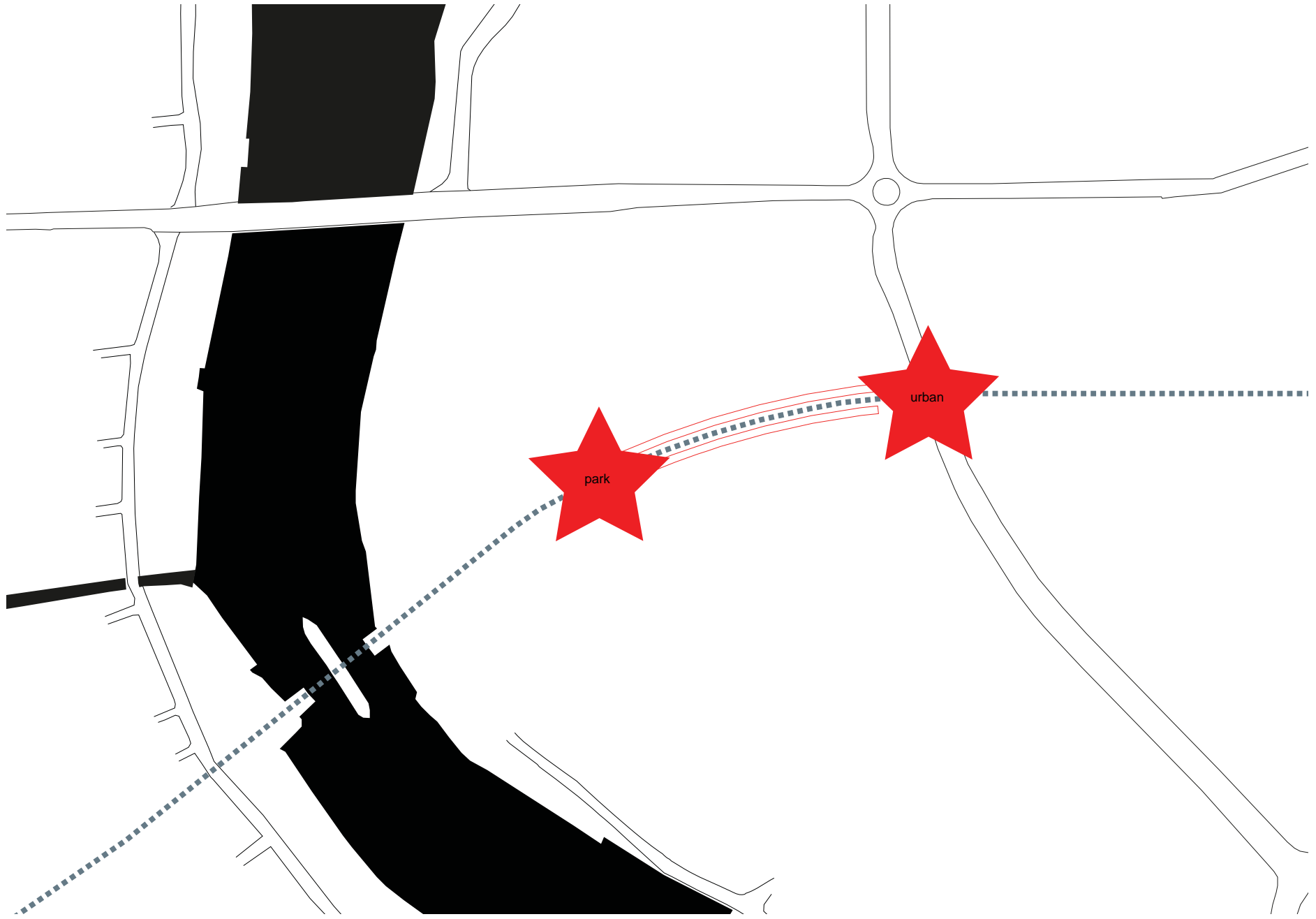
URBANISM

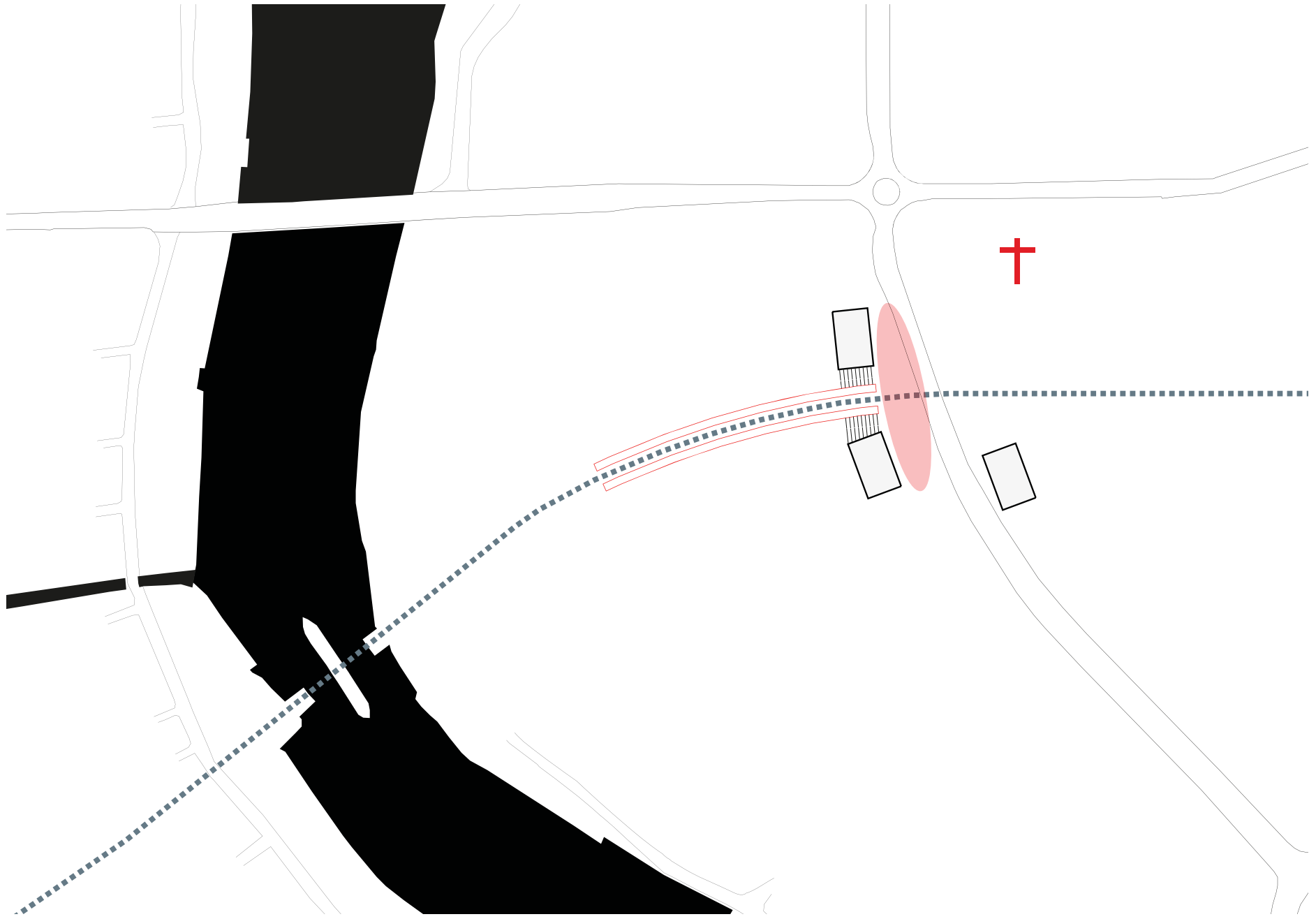
DESIGN

CONCLUSION

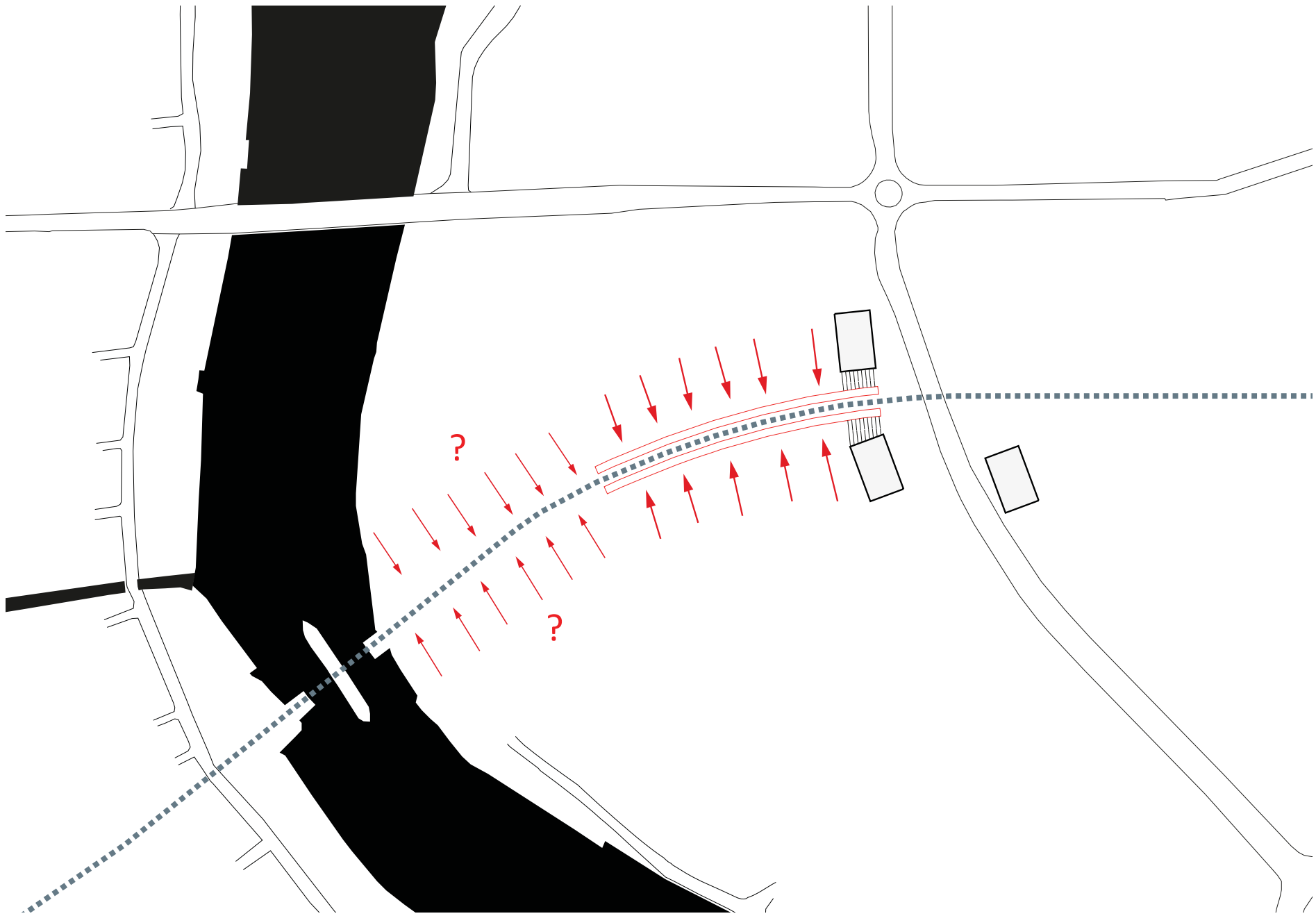
















1. park with some paviljoens for functions
2. upgrade station

1 layer

TOTAL NUMBER OF DWELLINGS

0



3. apartments in tower around the station building

Zaan one

26 layers of dwellings

130

Zaan two

26 layers of dwellings

130

Zaan three

20 layers of dwellings

100

TOTAL NUMBER OF DWELLINGS

360



4. 75 apartment blocks to frame off park
4 layers 300

5. 100 apartment blocks along the river bends
4 layers 400

TOTAL NUMBER OF DWELLINGS 1060



6. 434 ground bound dwellings
3 layers

434

TOTAL NUMBER OF DWELLINGS

1496



- 1 park in the middle with paviljoens
- 2 upgrade station
- 3 appartments in tower around the station building
- 4 apartment blocks along the road to frame off park
- 5 apartment blocks along the river bends
- 6 ground bound dwellings in the area that connects

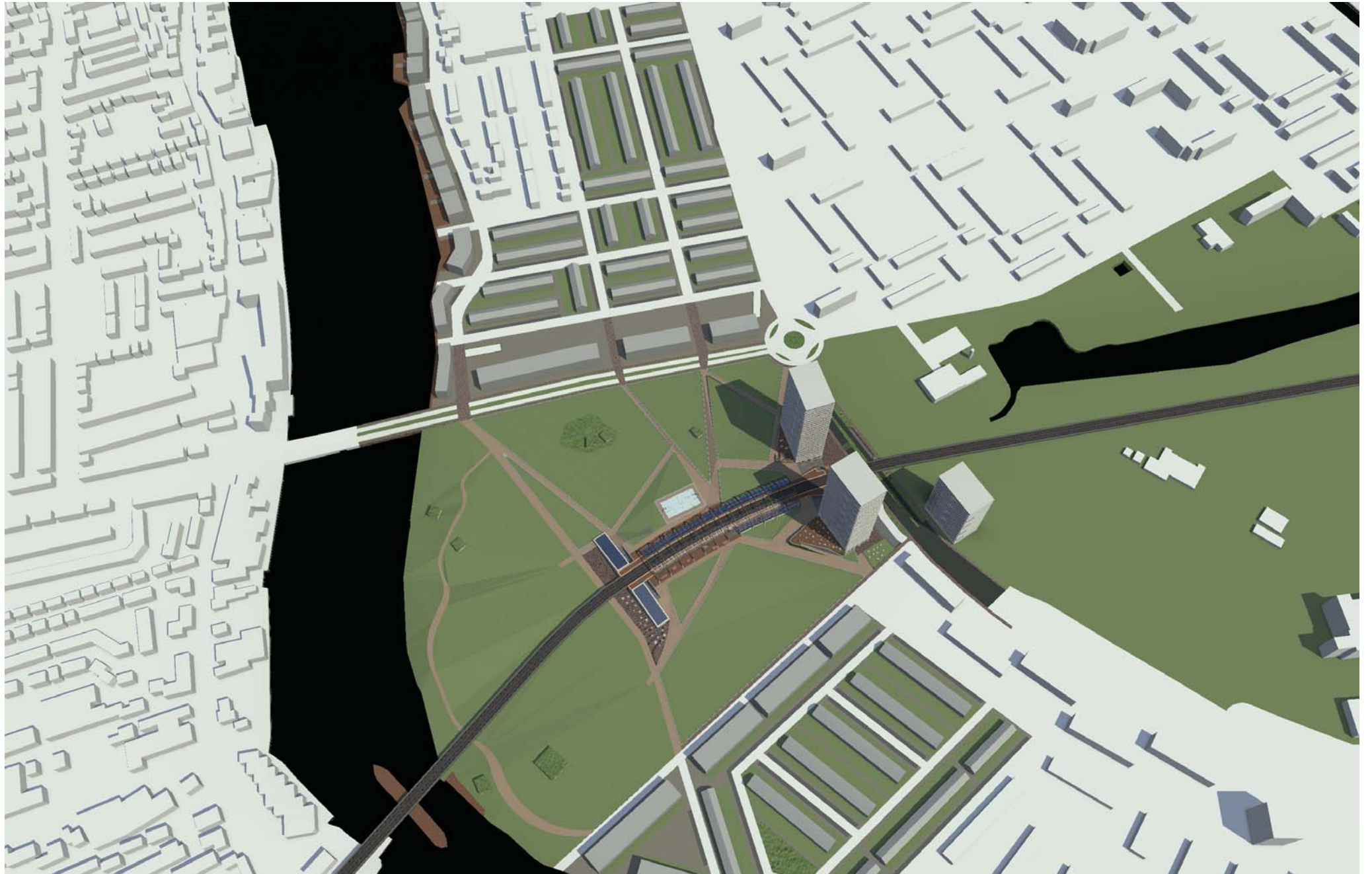
TOTAL NUMBER OF DWELLINGS

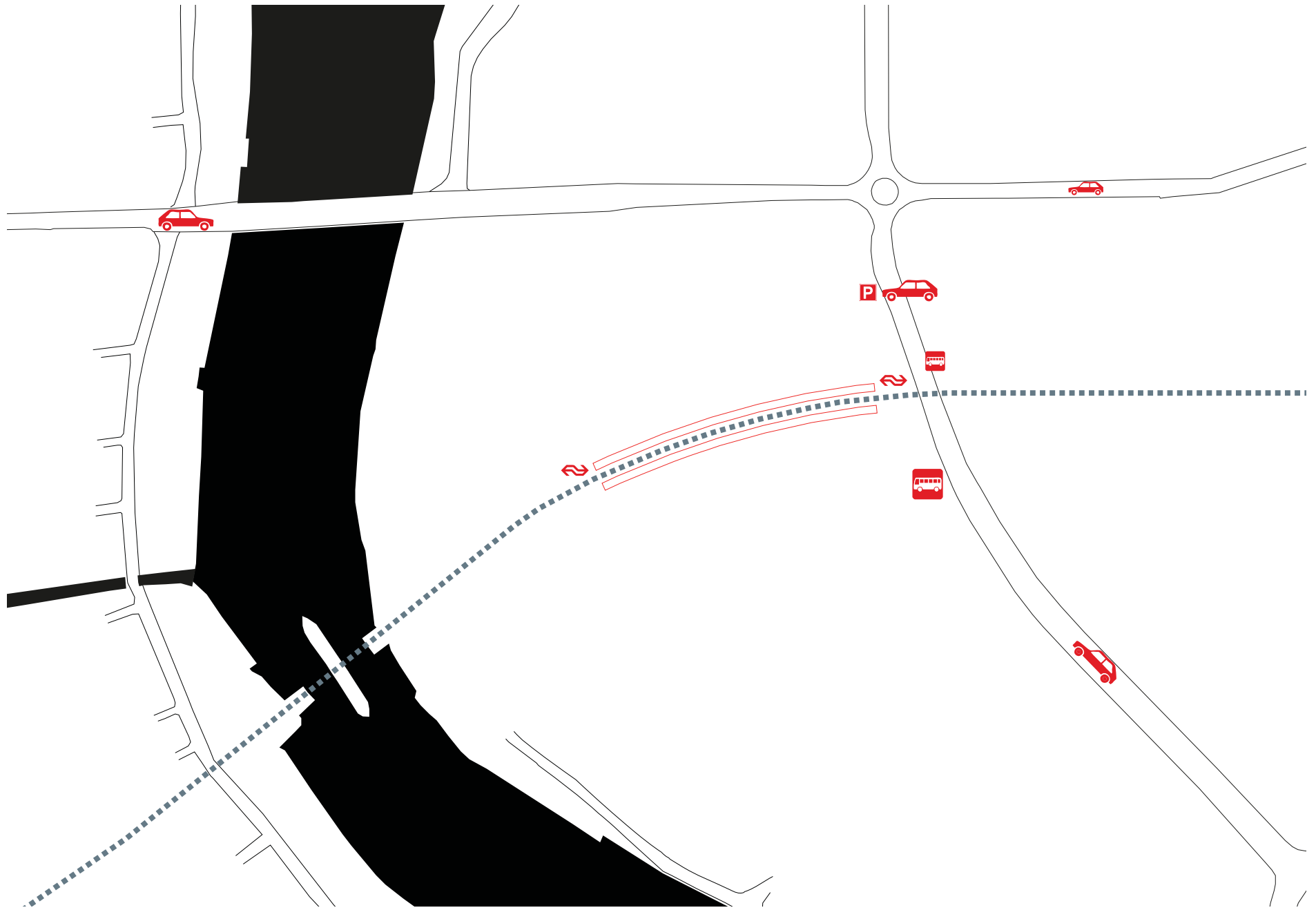
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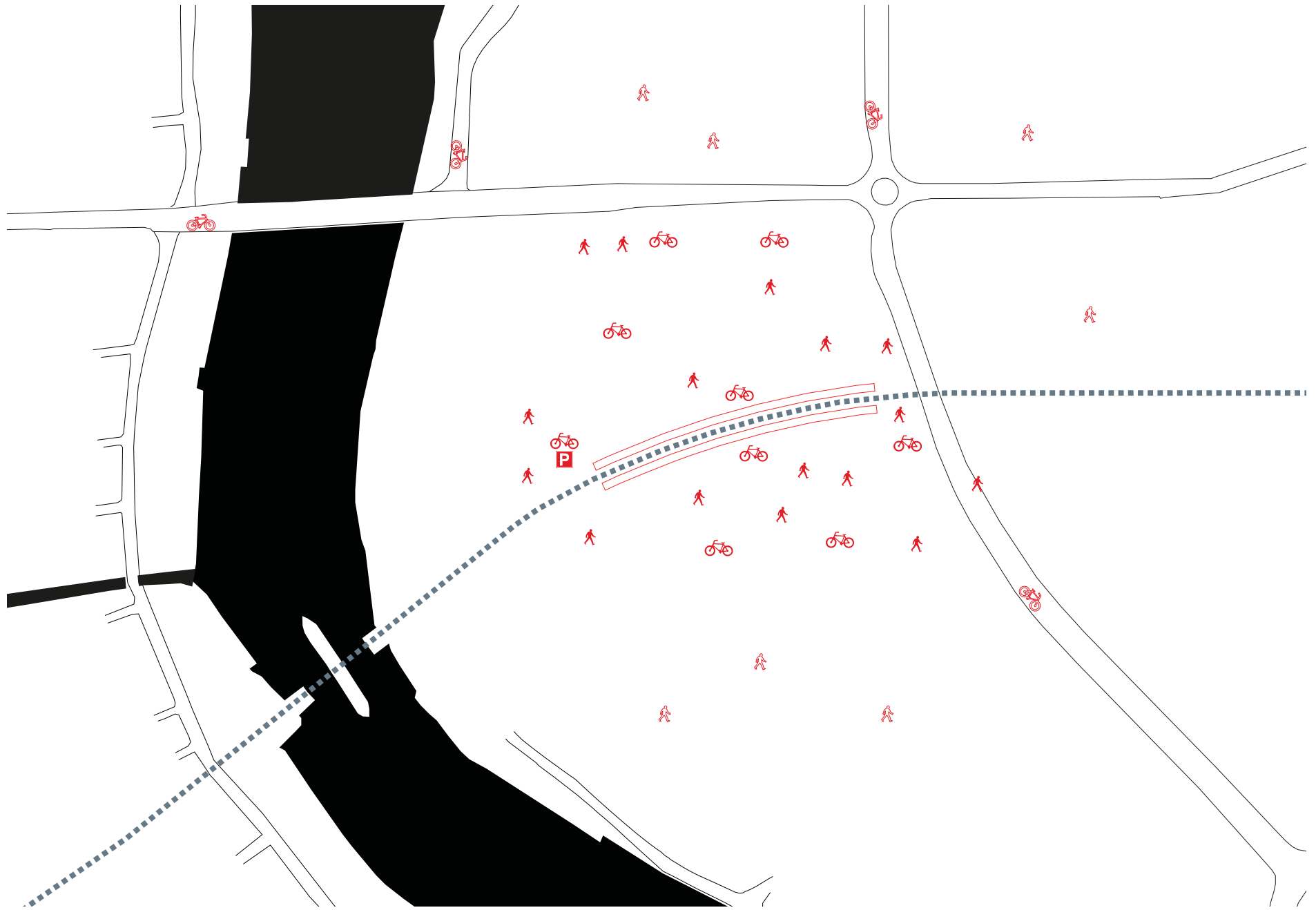


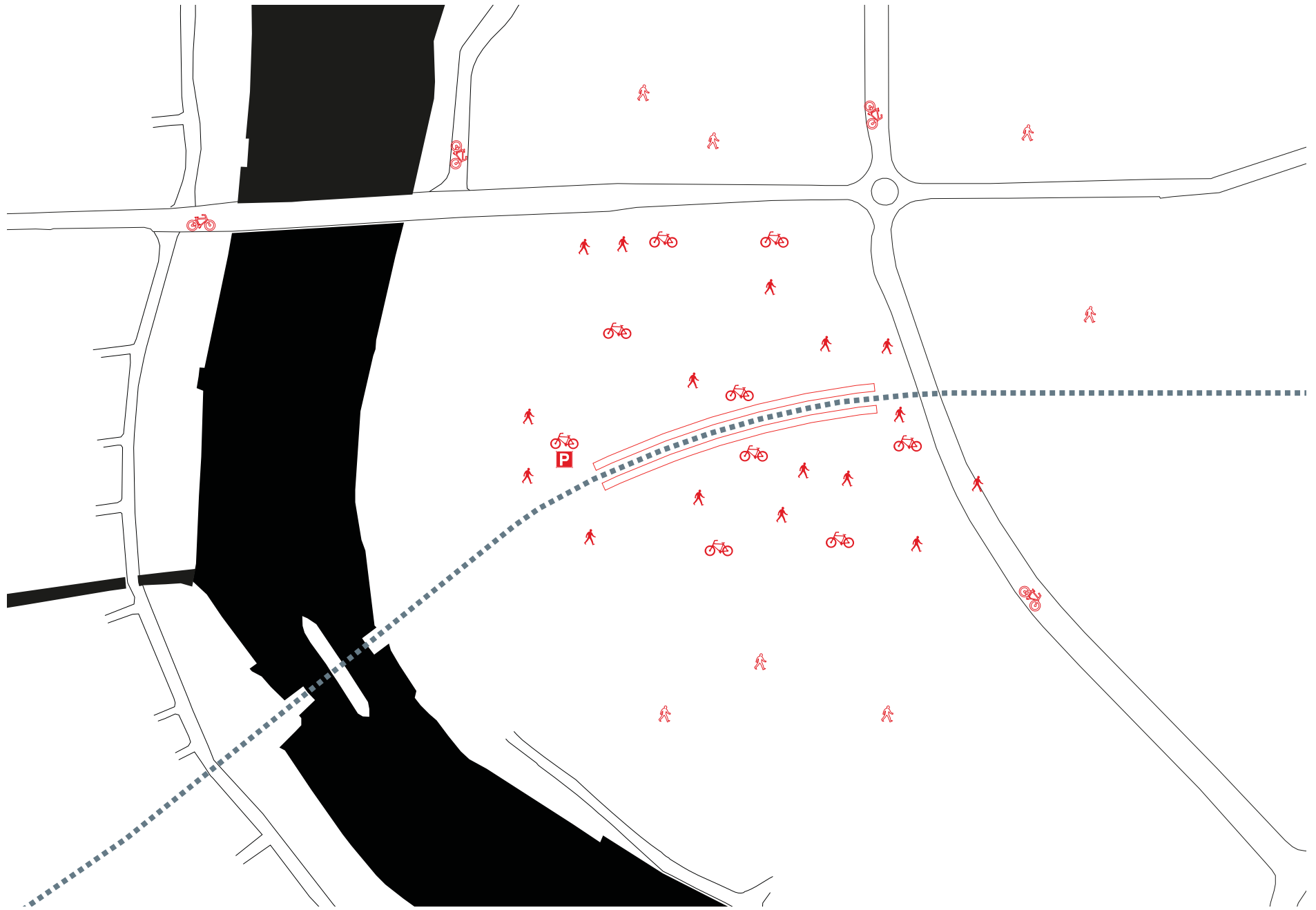


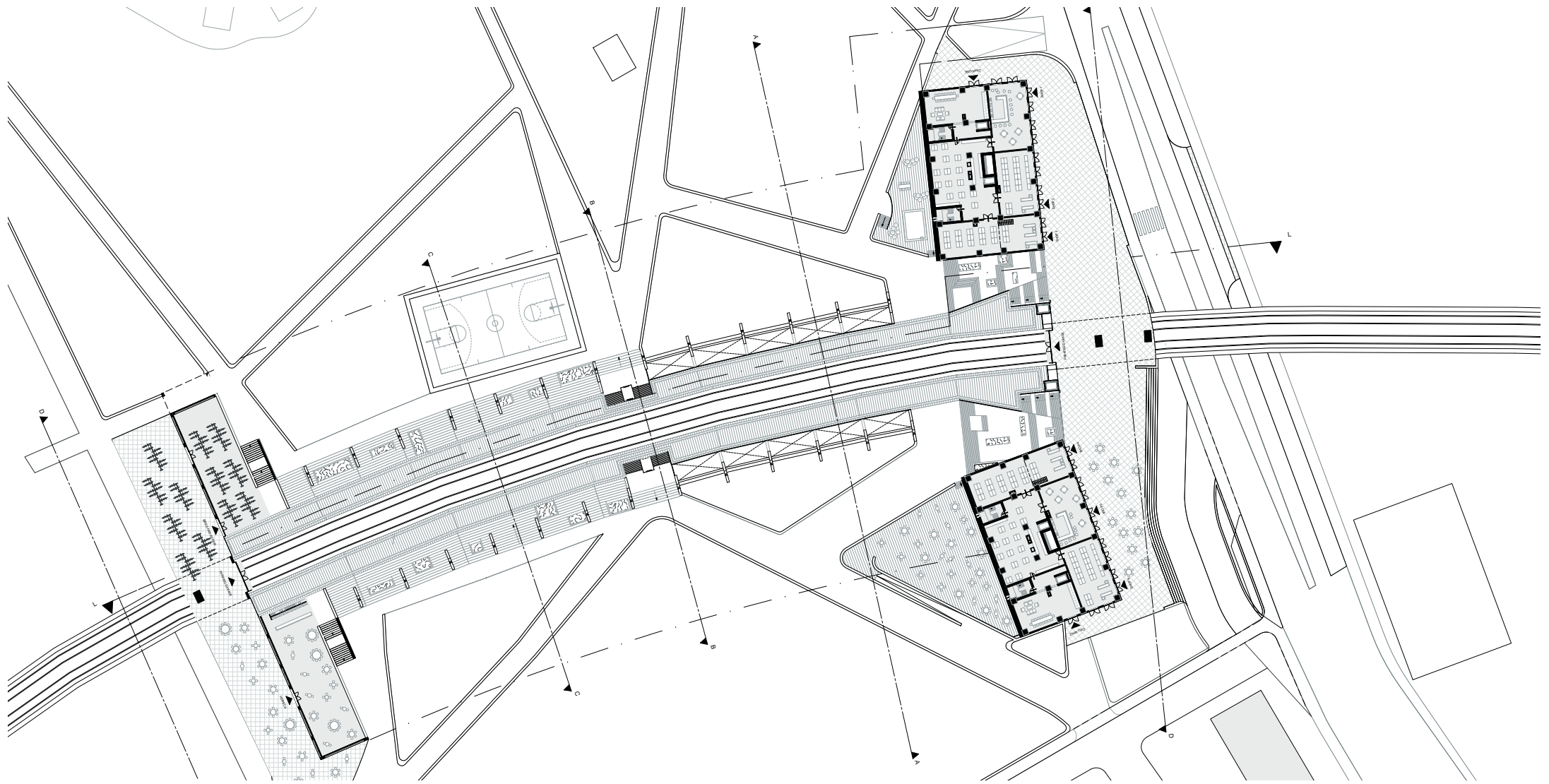


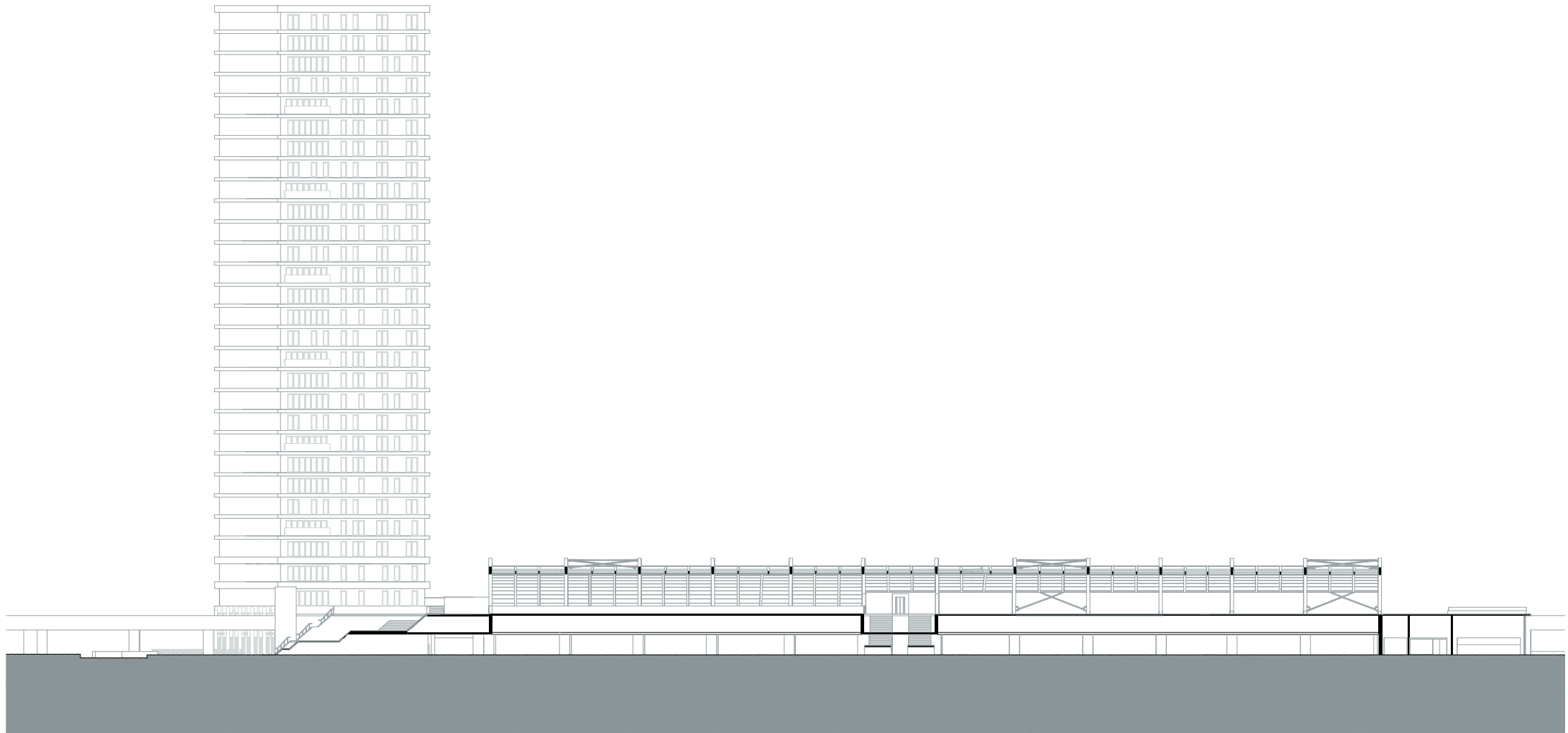


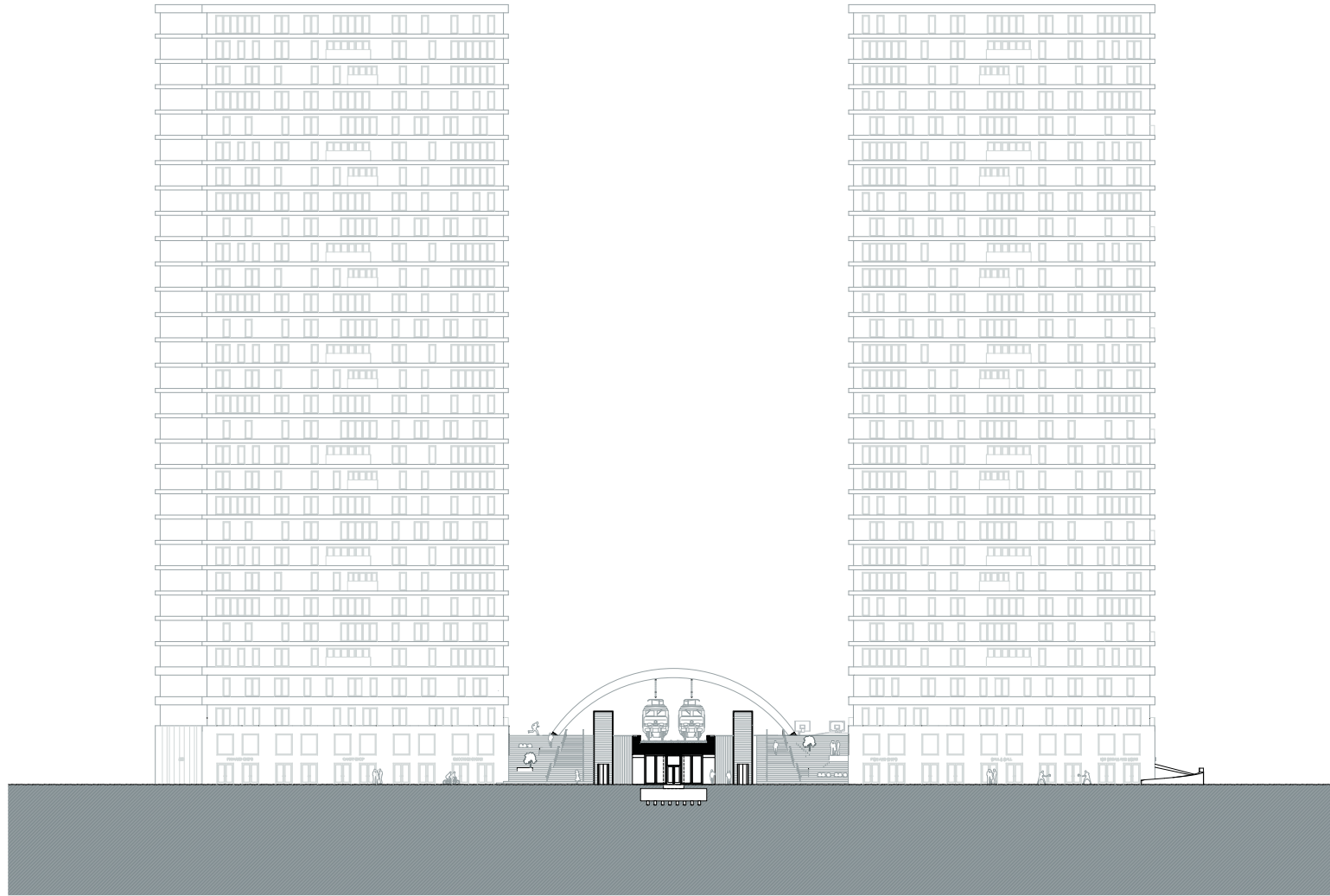




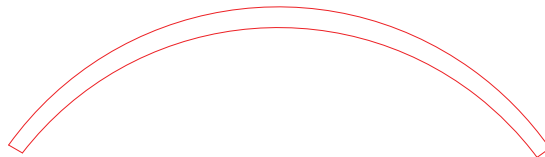
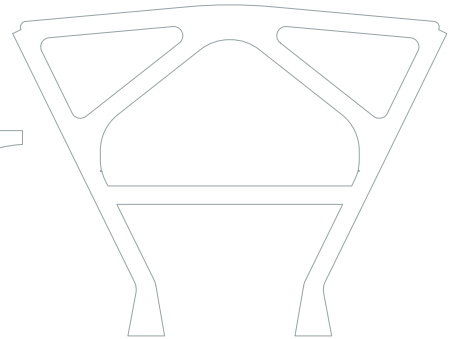
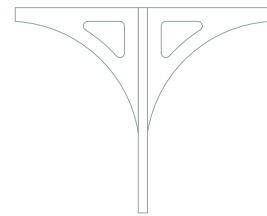
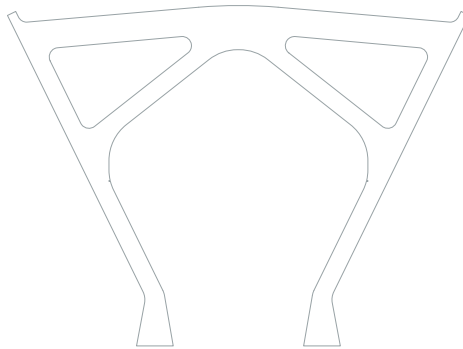
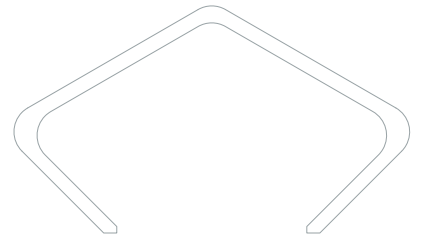
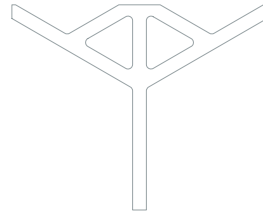
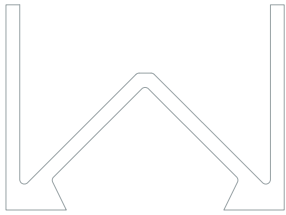
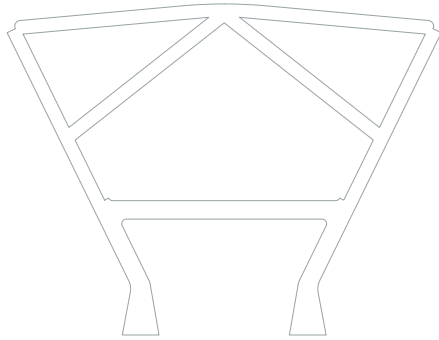
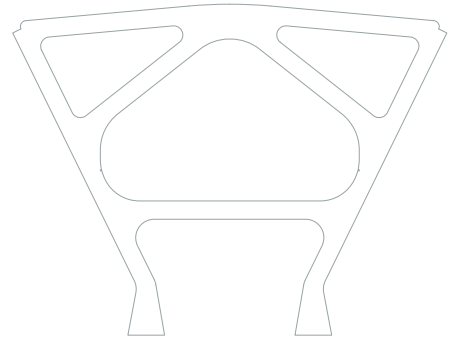
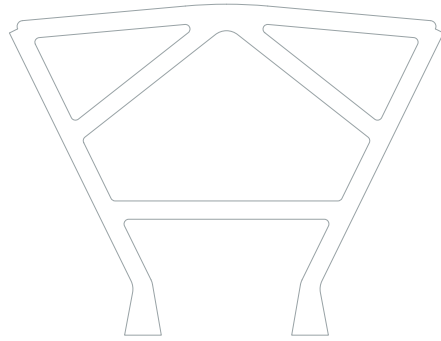
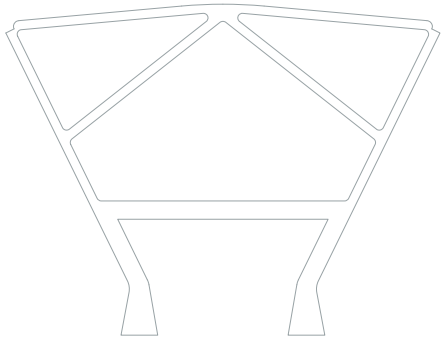








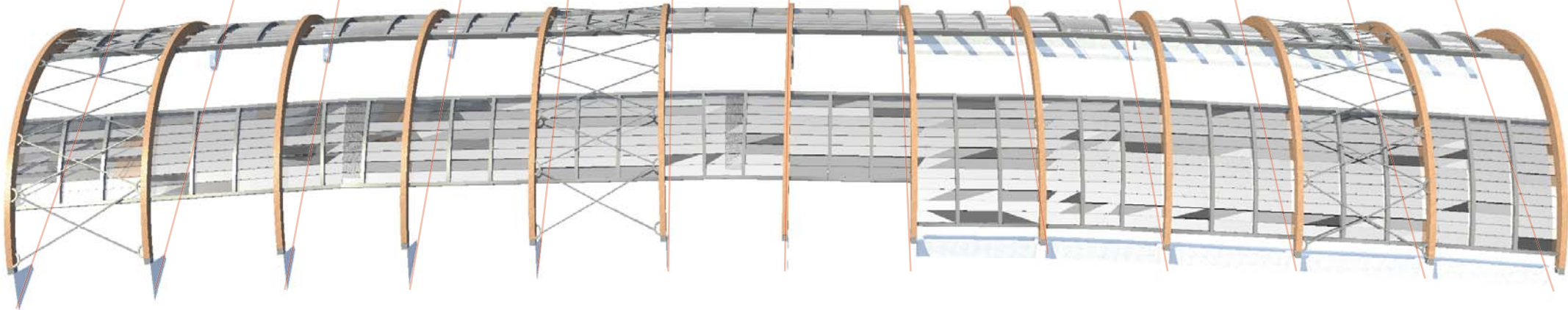




10800

10800

A A A A A A A A A A A



7250

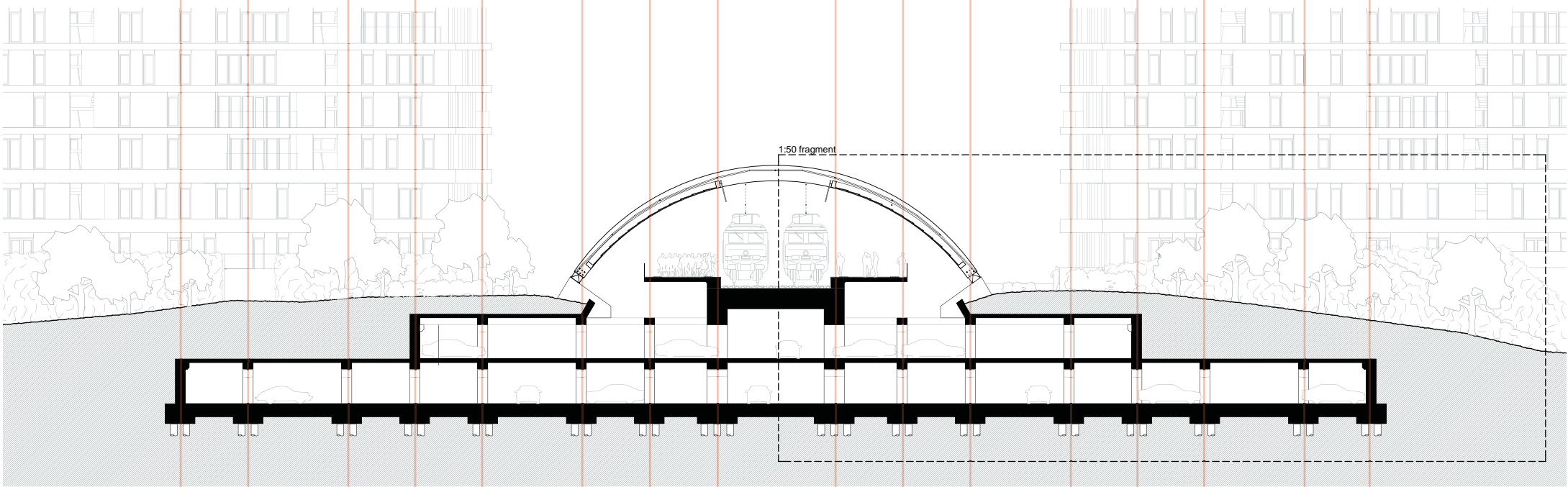
B

8600

C

7250

B



A

A A

A A

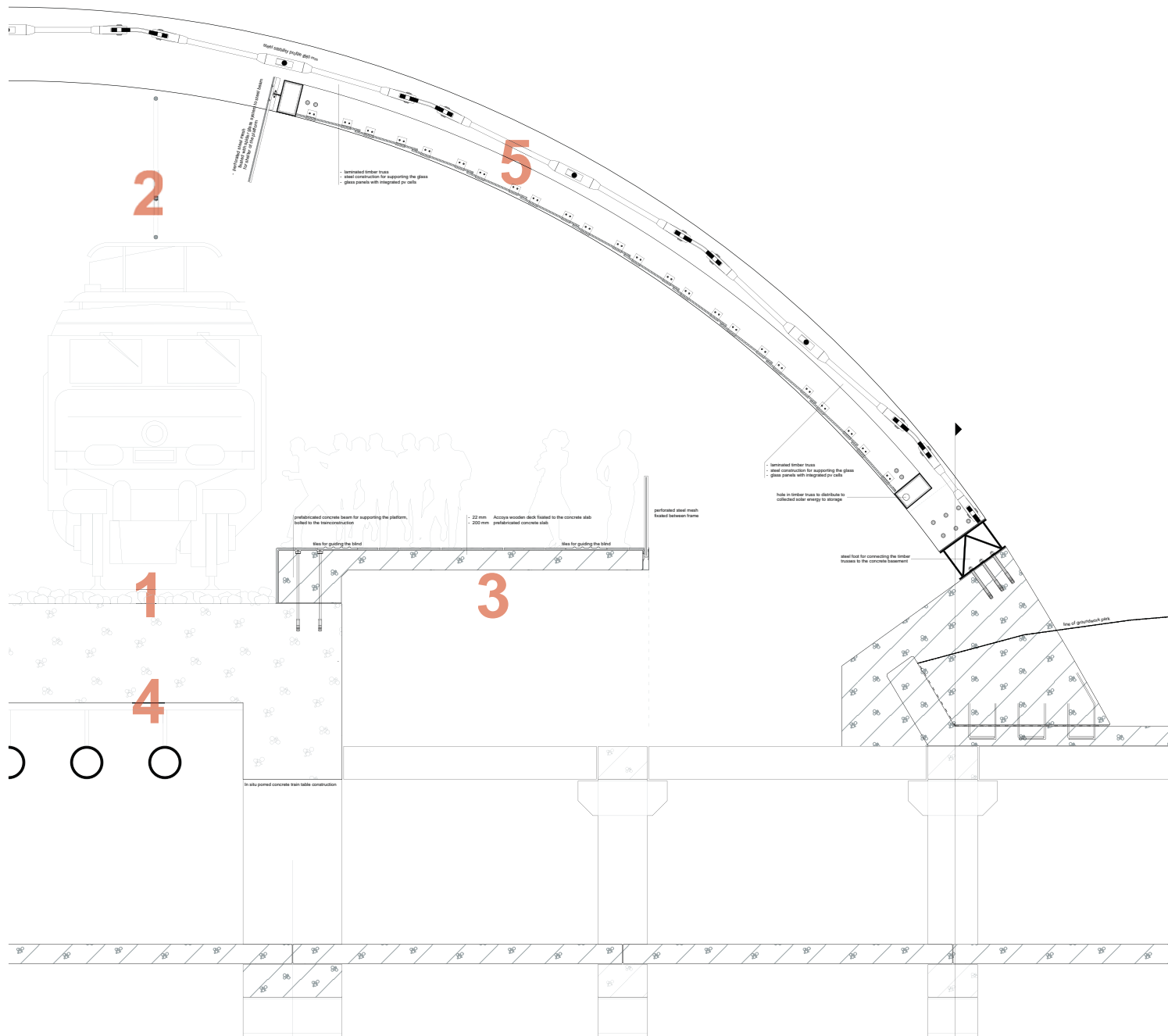
A A

A A

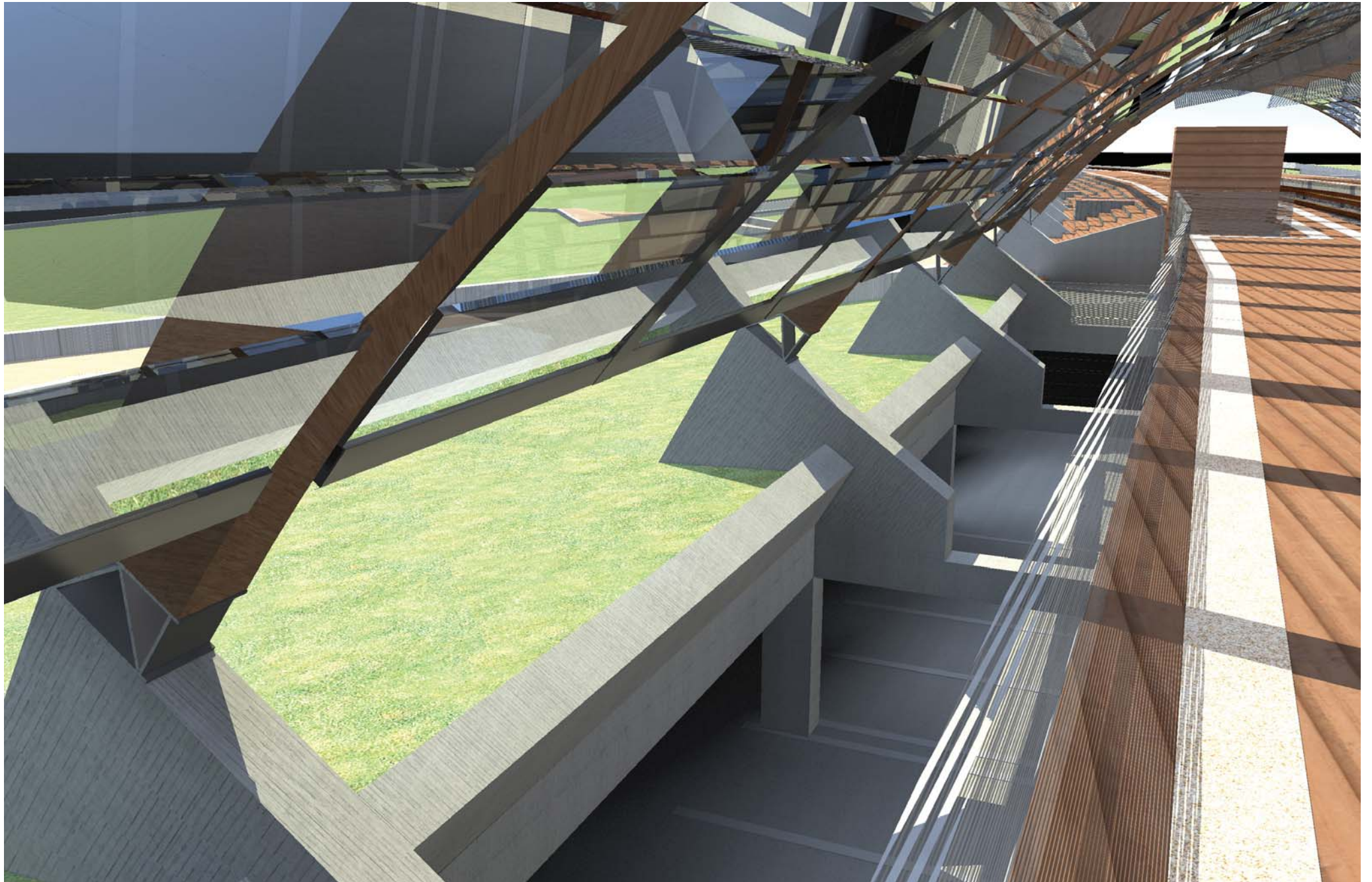
A

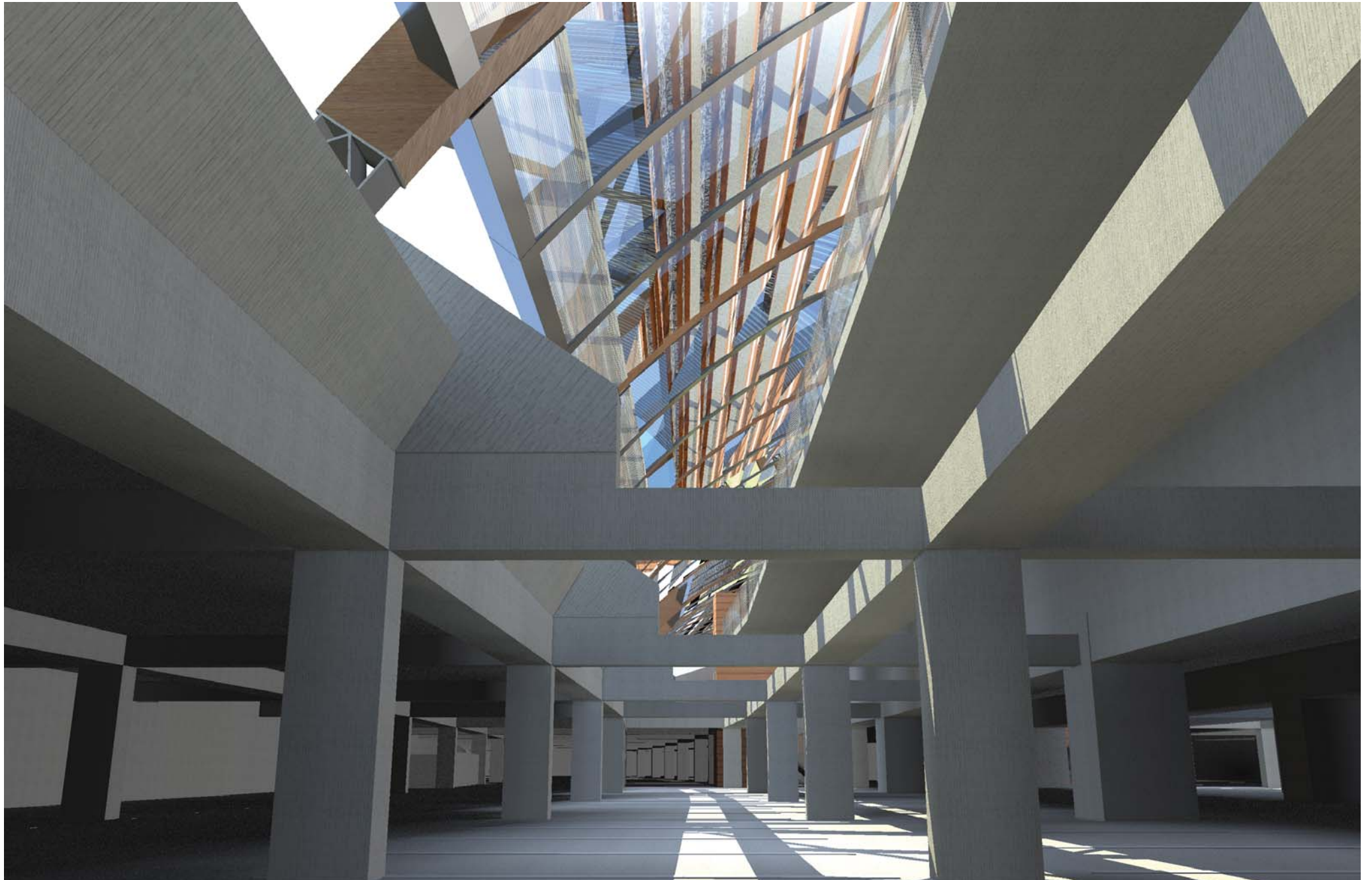
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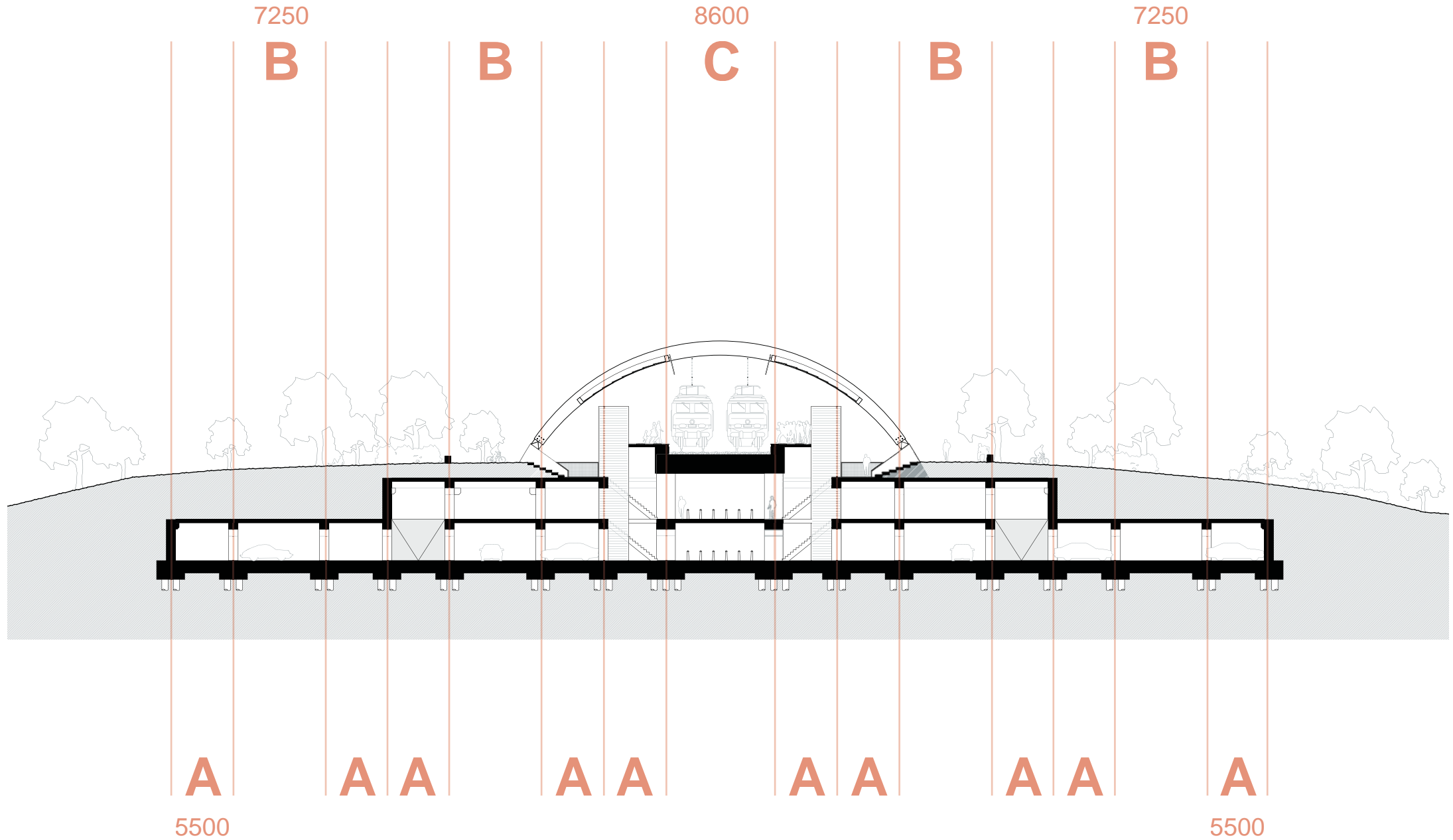
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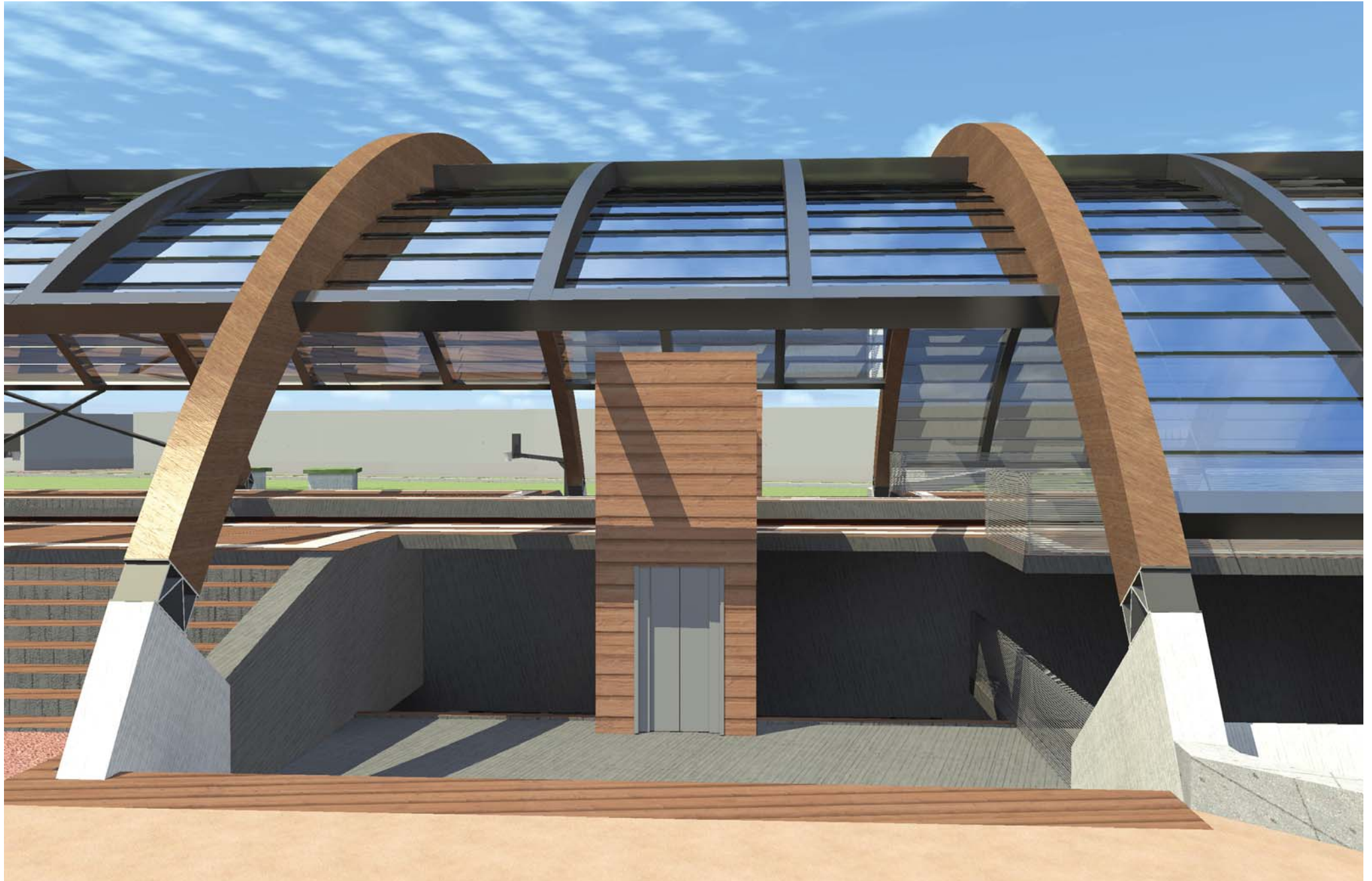


- 1 traintracks
- 2 bovenleiding
- 3 platforms
- 4 construction for train
- 5 roof as shelter









7250

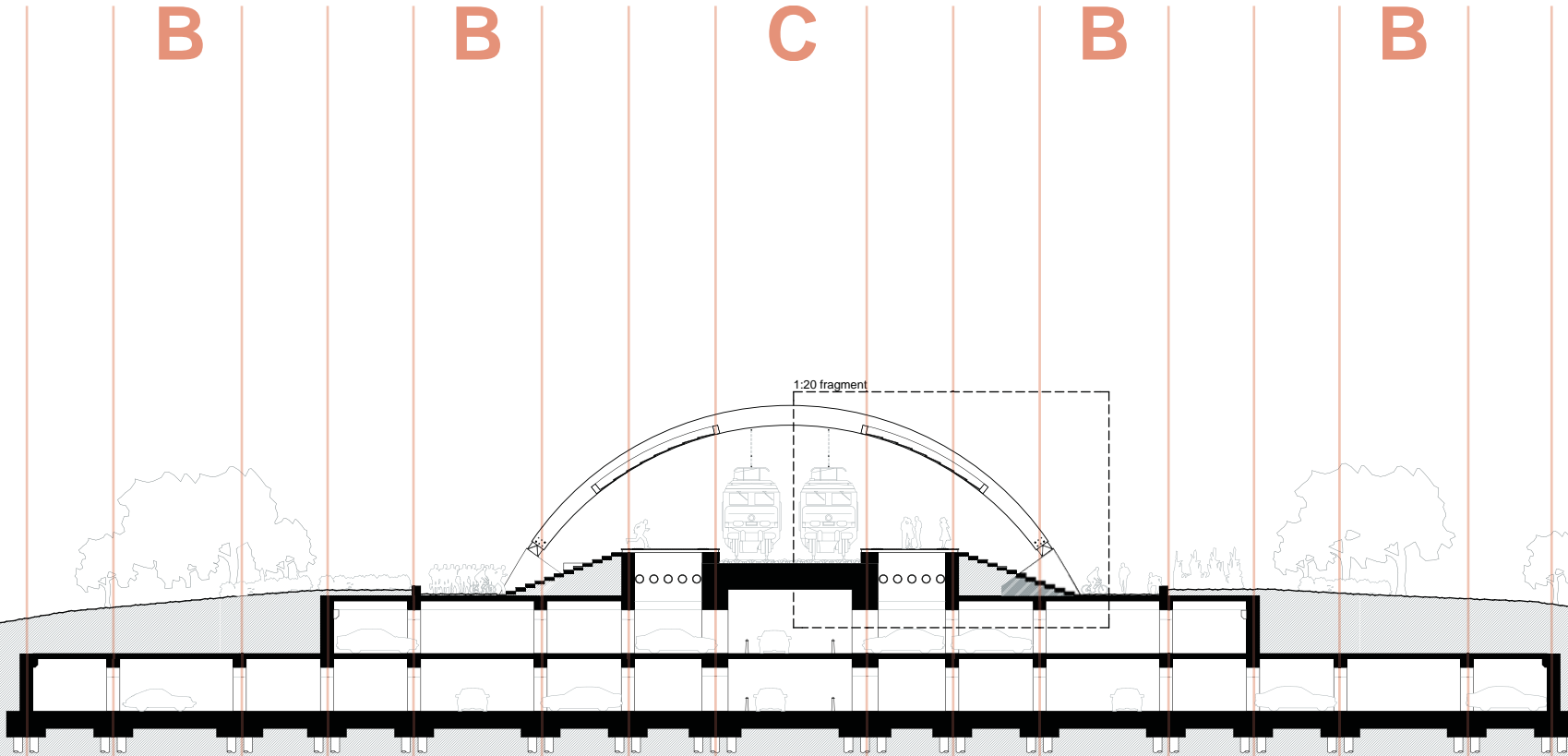
B

8600

C

7250

B



A

A A

A A

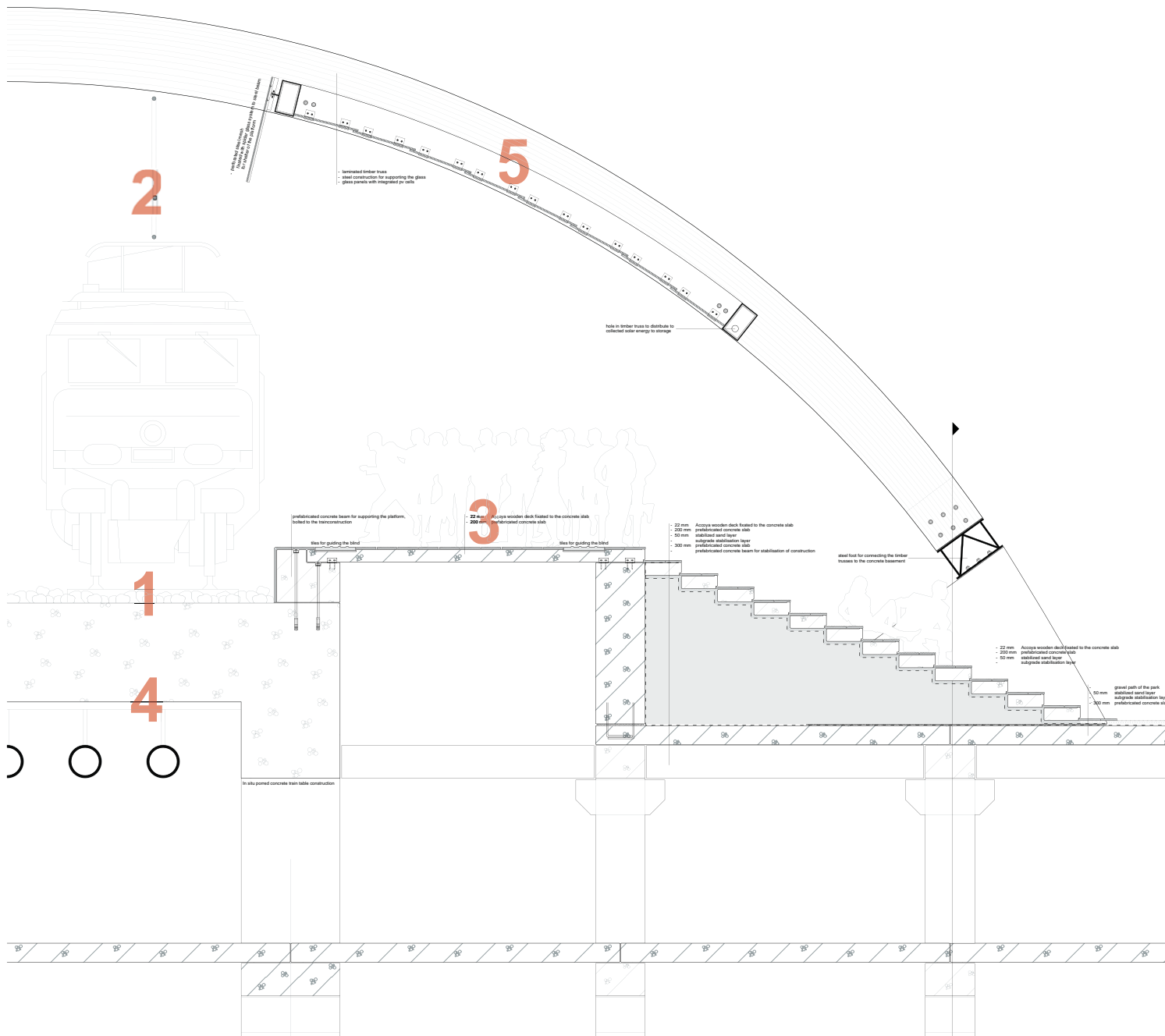
A A

A A

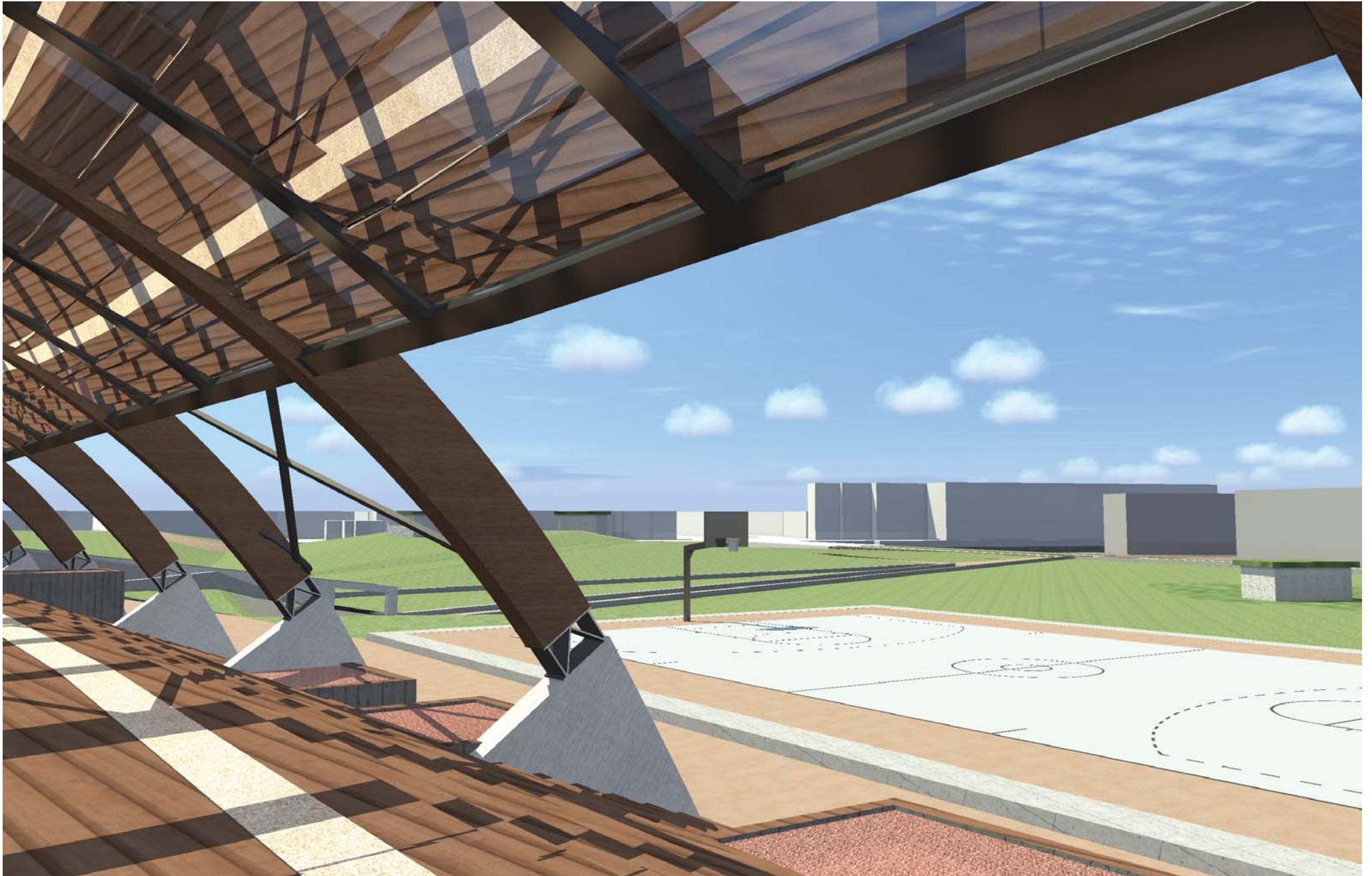
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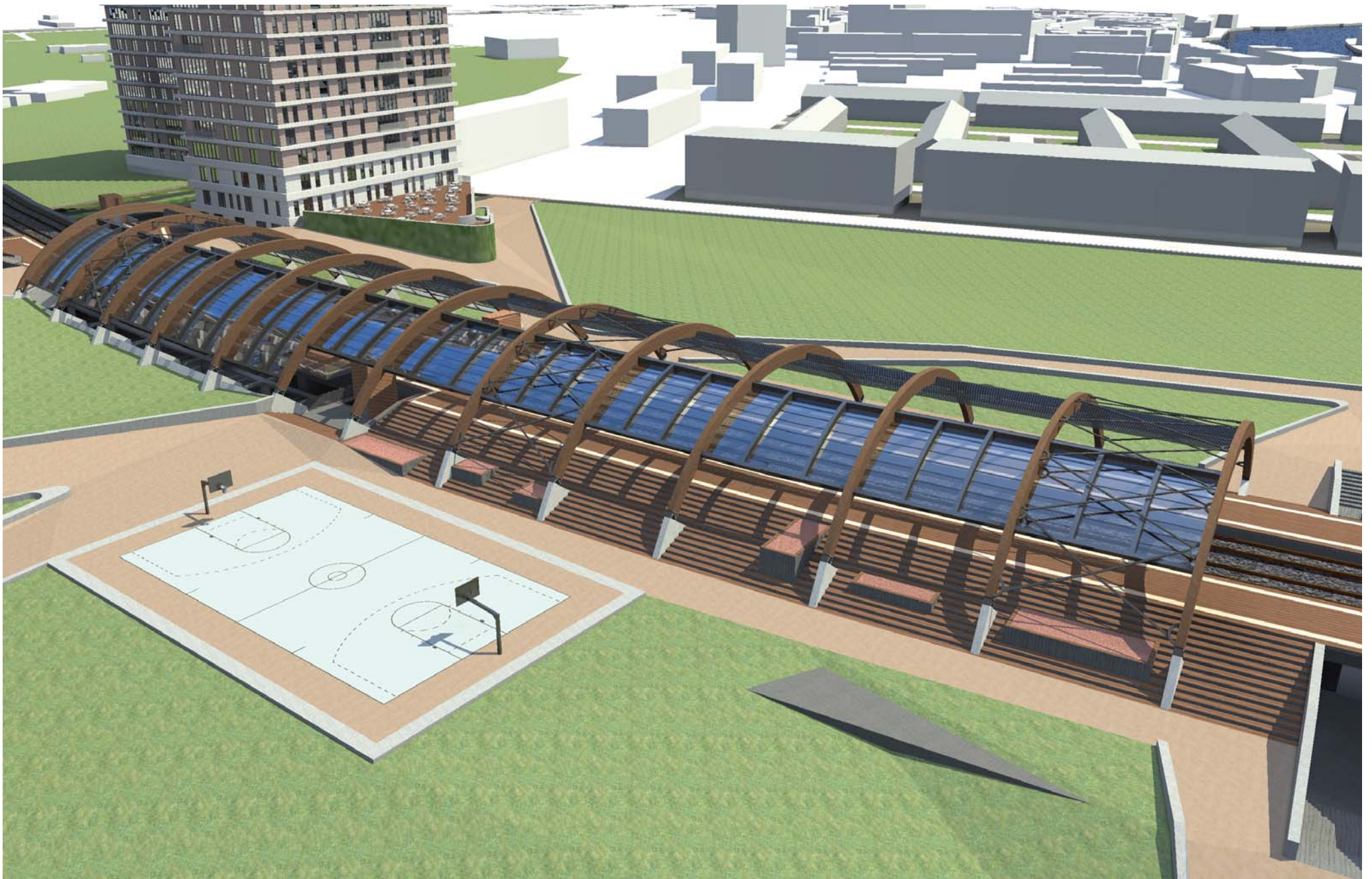
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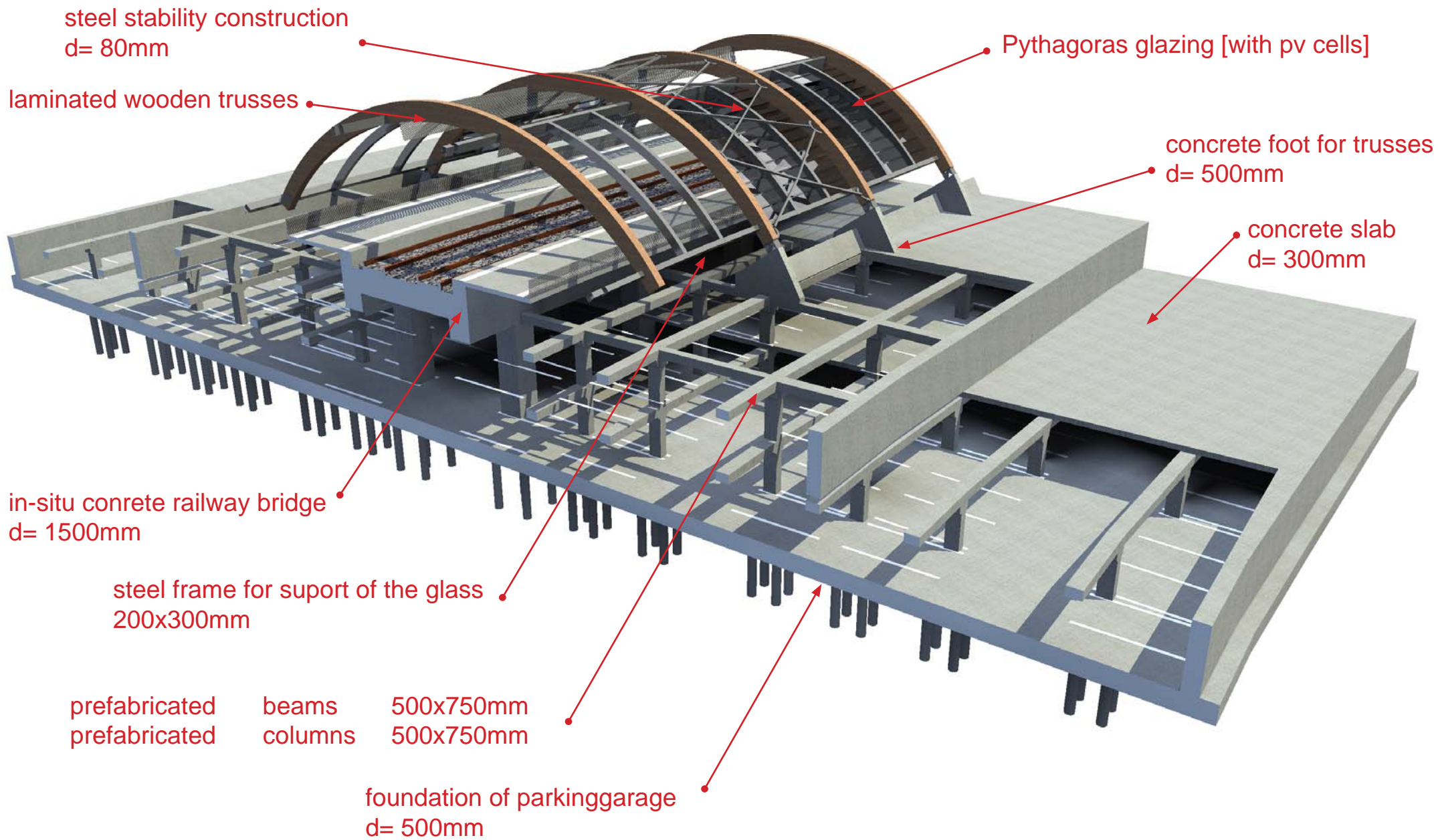
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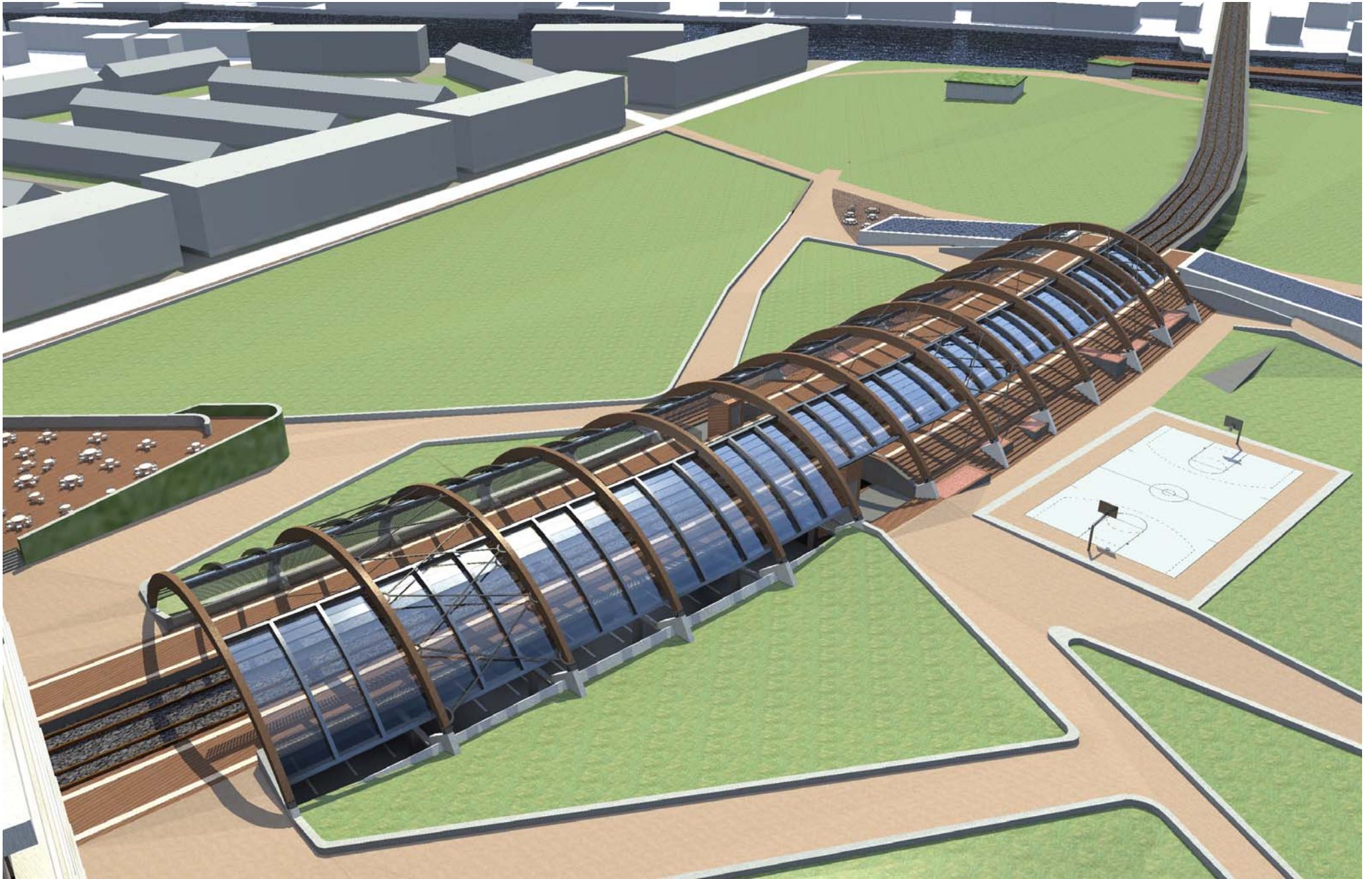


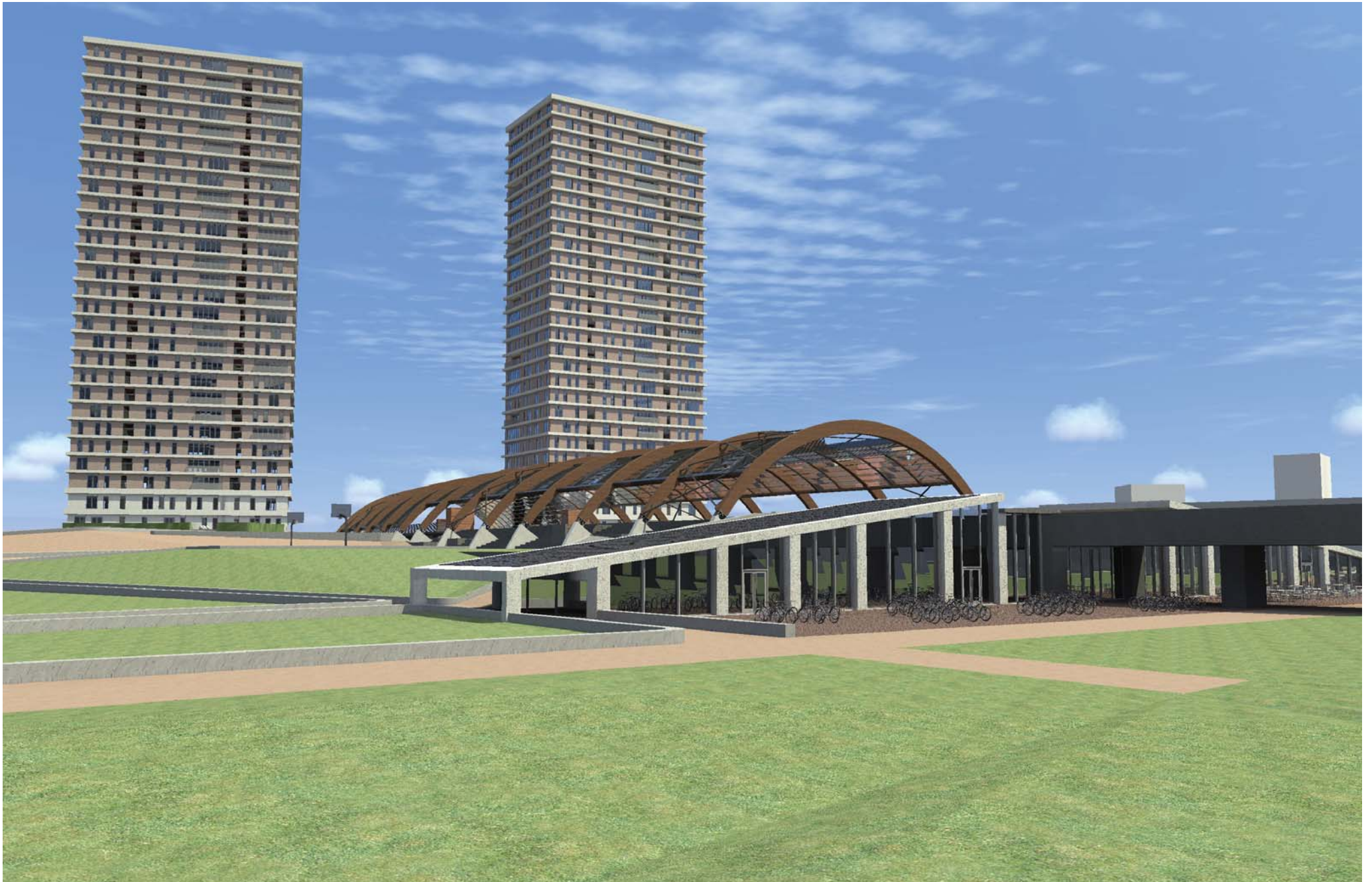
- 1 traintracks
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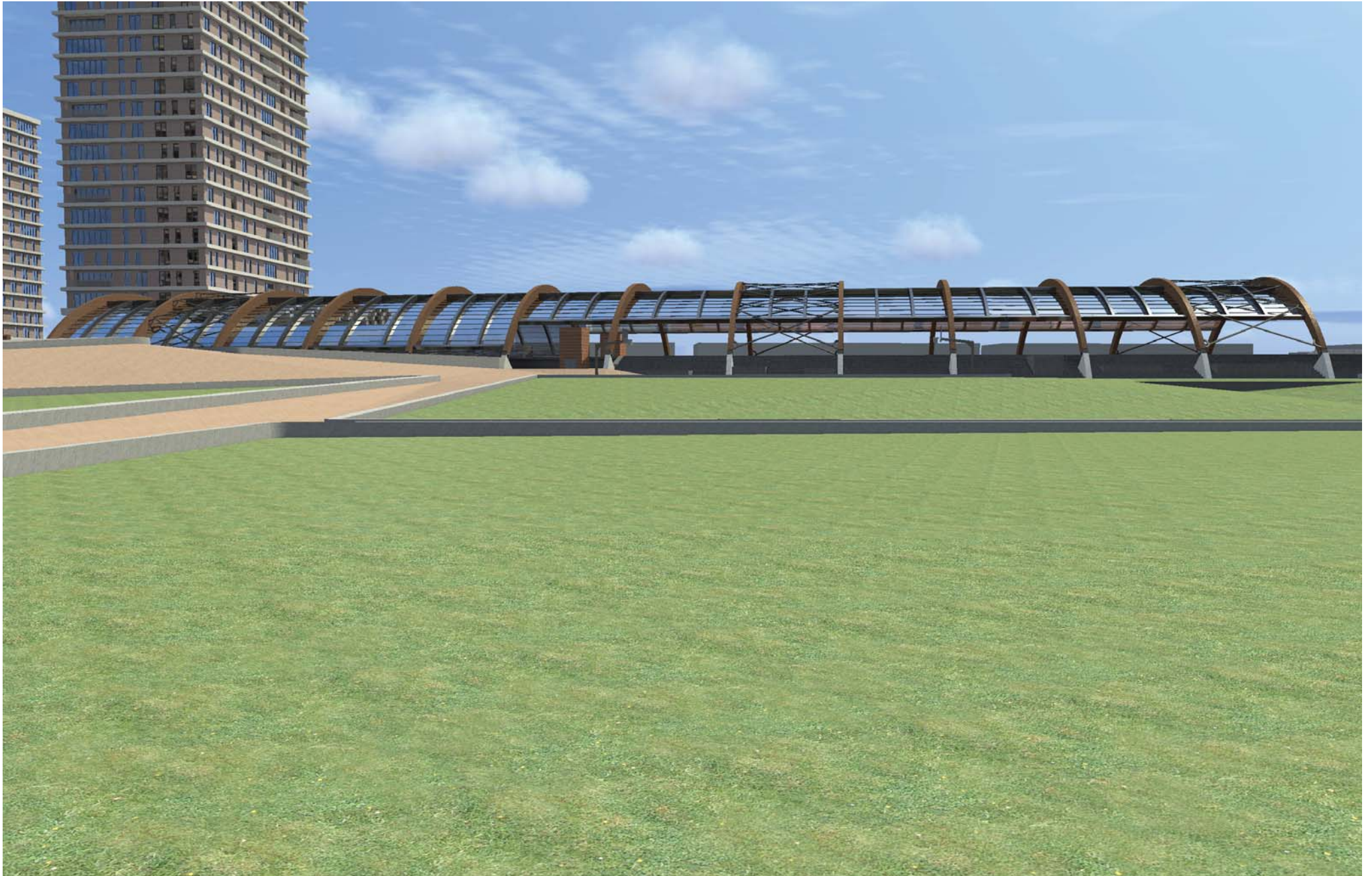


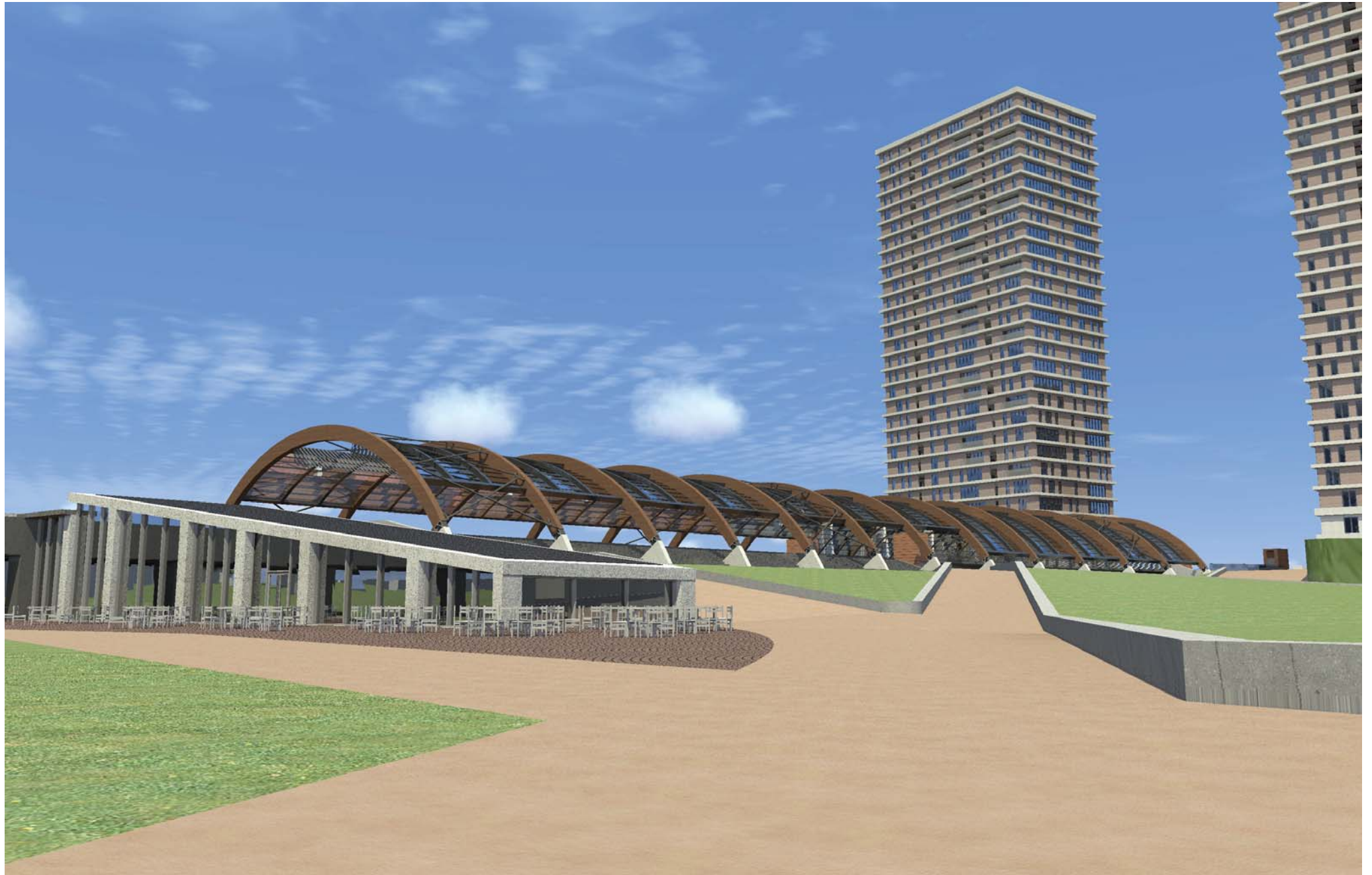




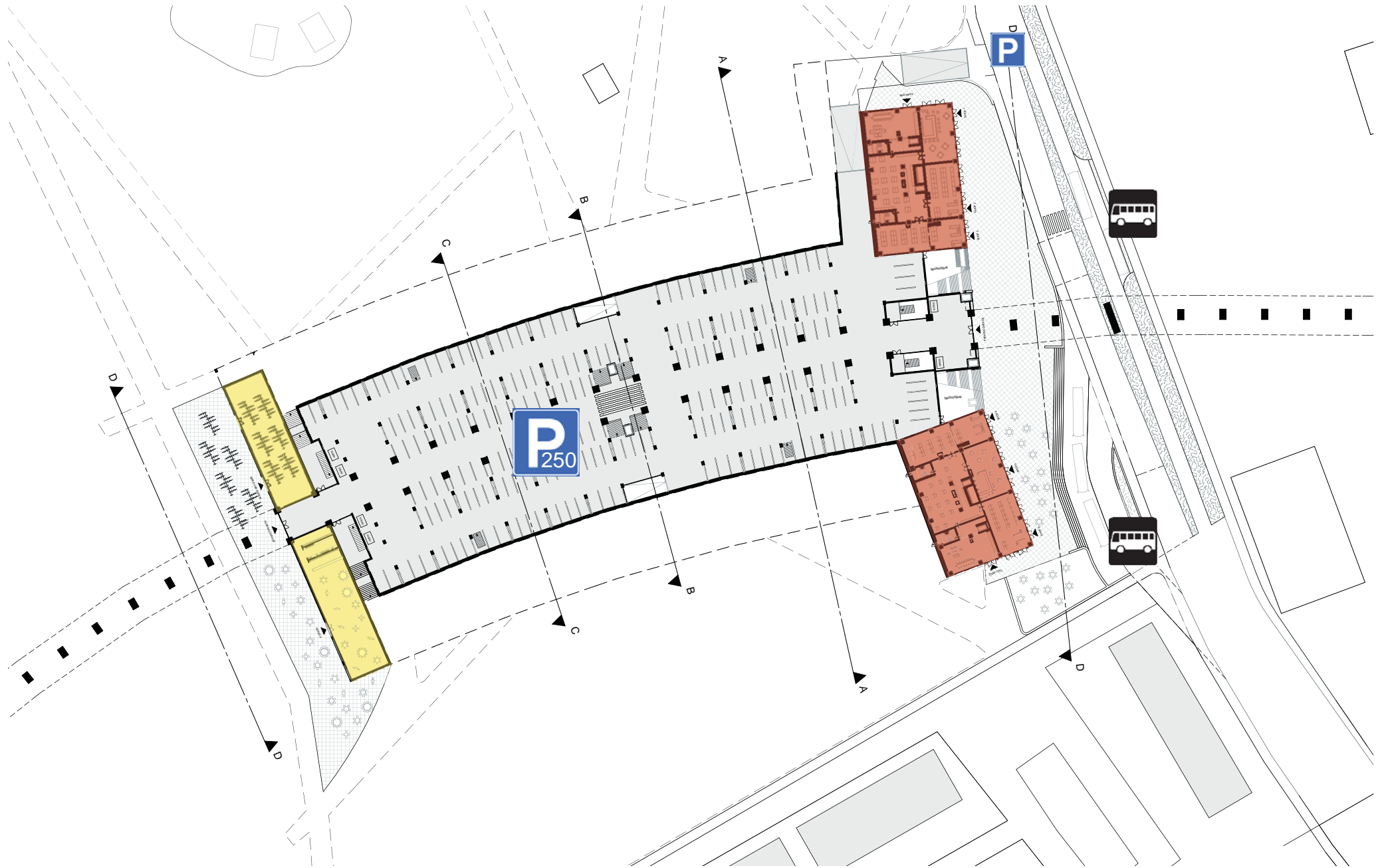


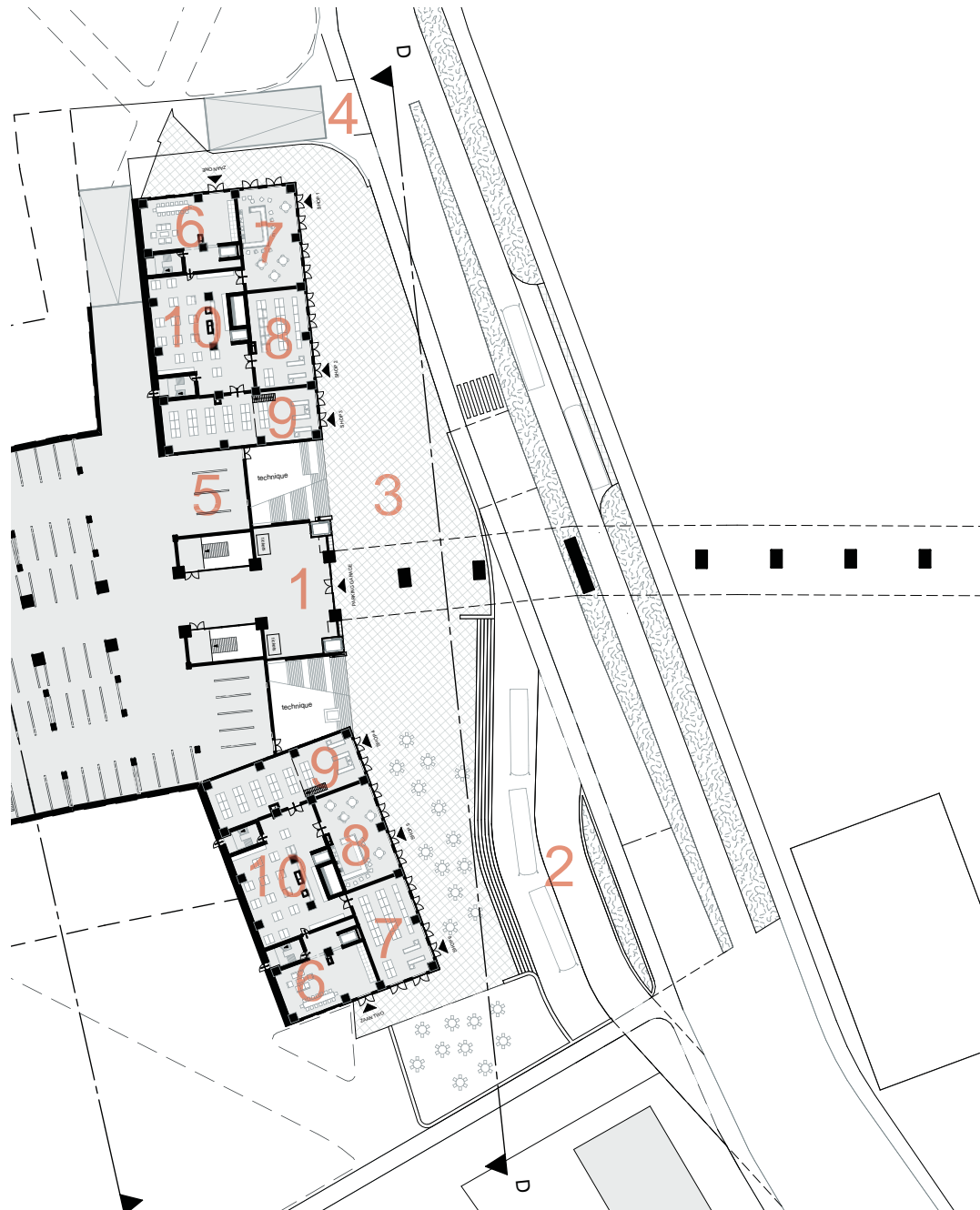




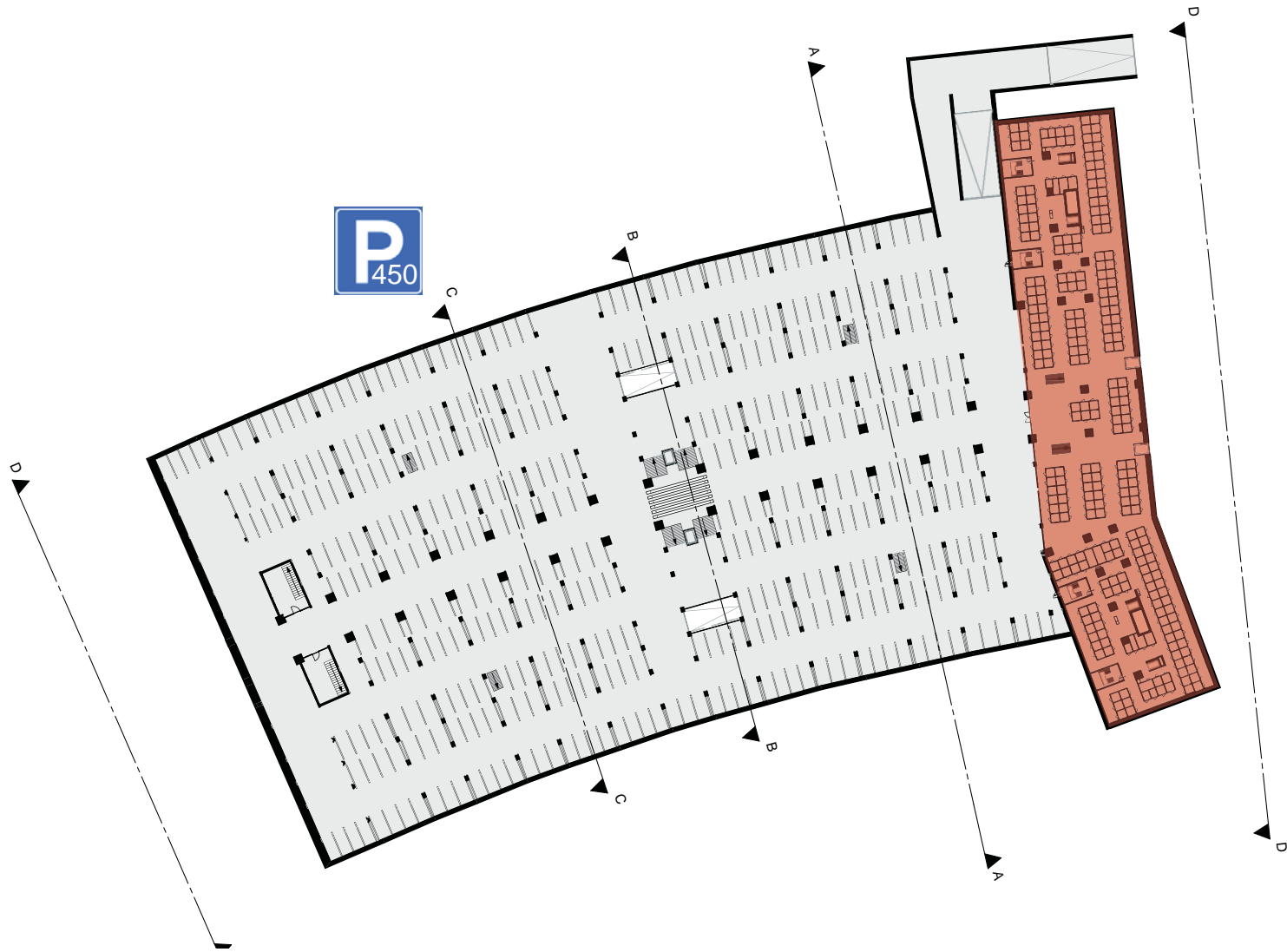


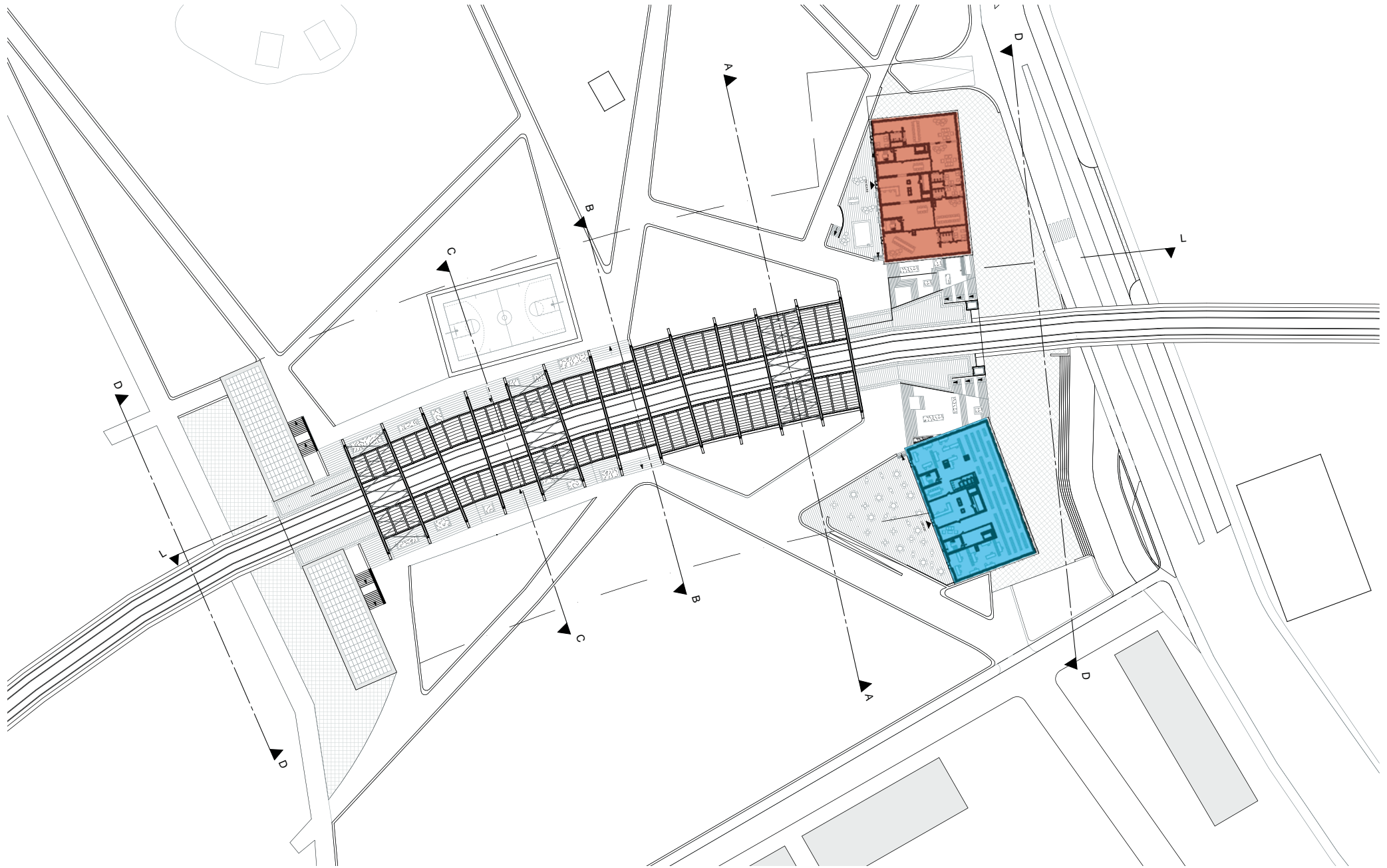
DESIGN





- 1 entrance parking
- 2 bus stop
- 3 station square
- 4 car entrance parking
- 5 temporary parking functions
- 6 entrance dwellers
- 7 shop 1 170m² [two floors]
- 8 shop 2 170m² [two floors]
- 9 shop 3 225m² [two floors]
- 10 storage







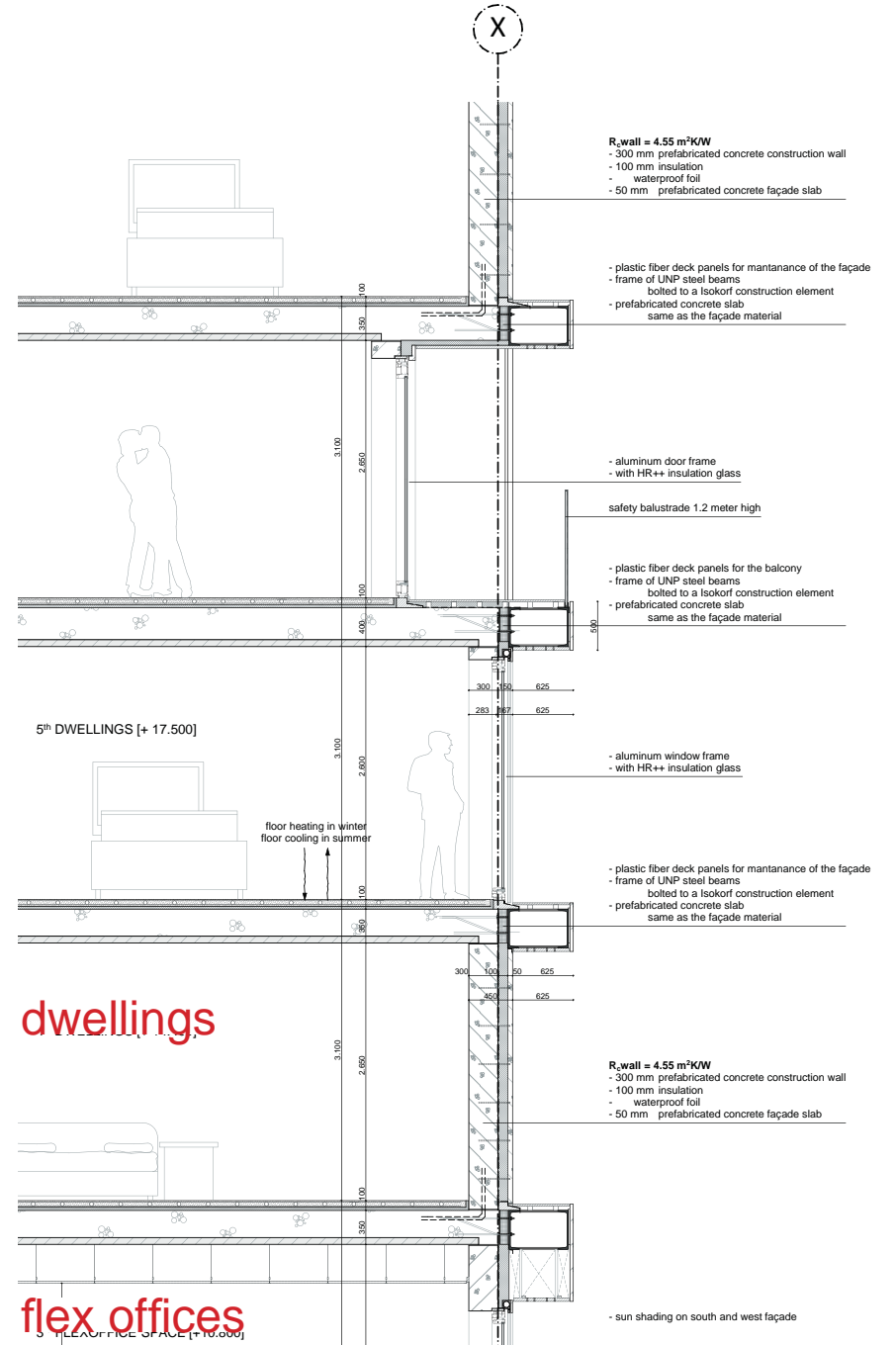
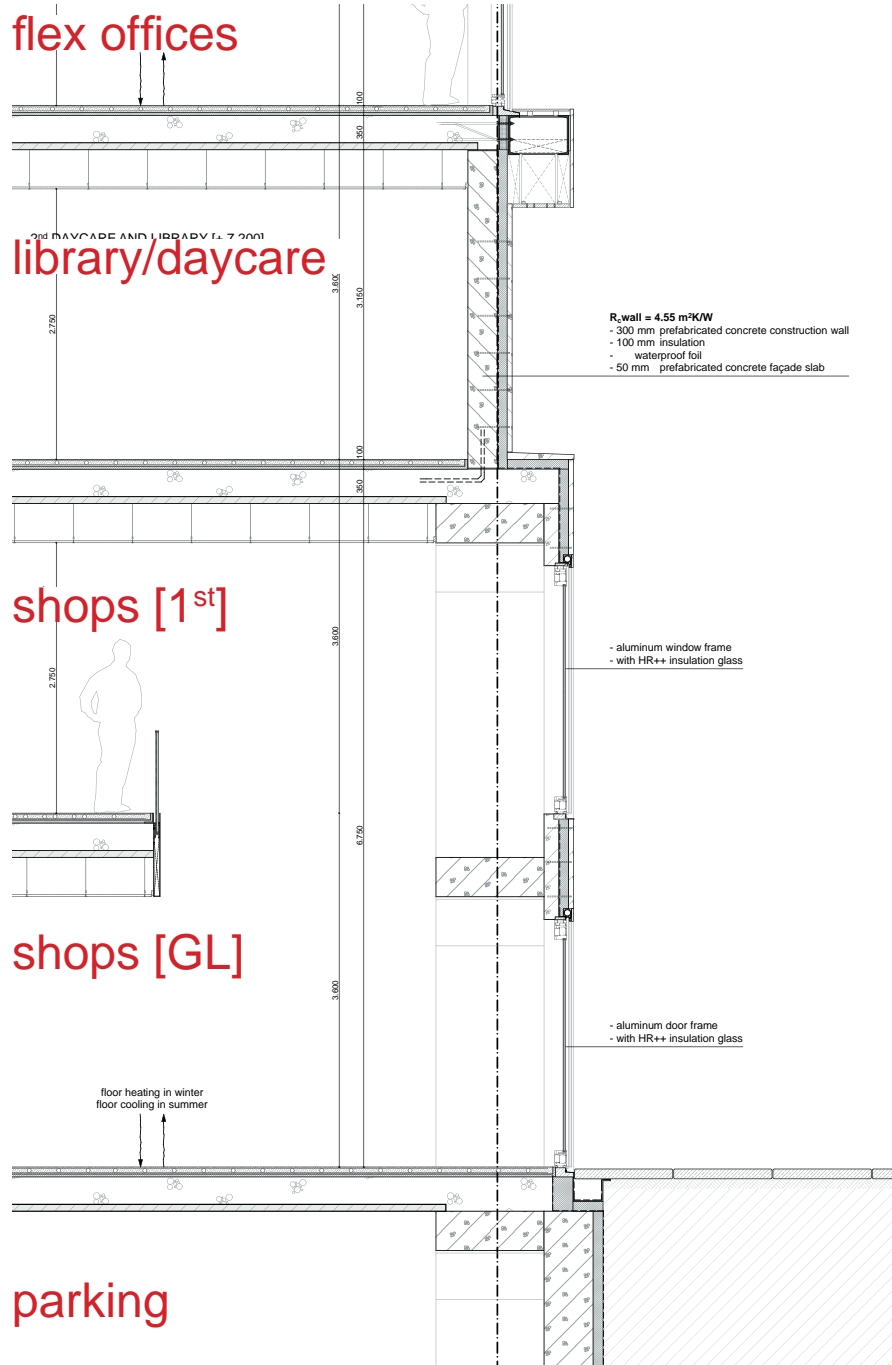
flex offices

library/daycare

shops [1st]

shops [GL]

parking





concrete inner facade wall
d= 200mm

concrete columns
d= 1250mm

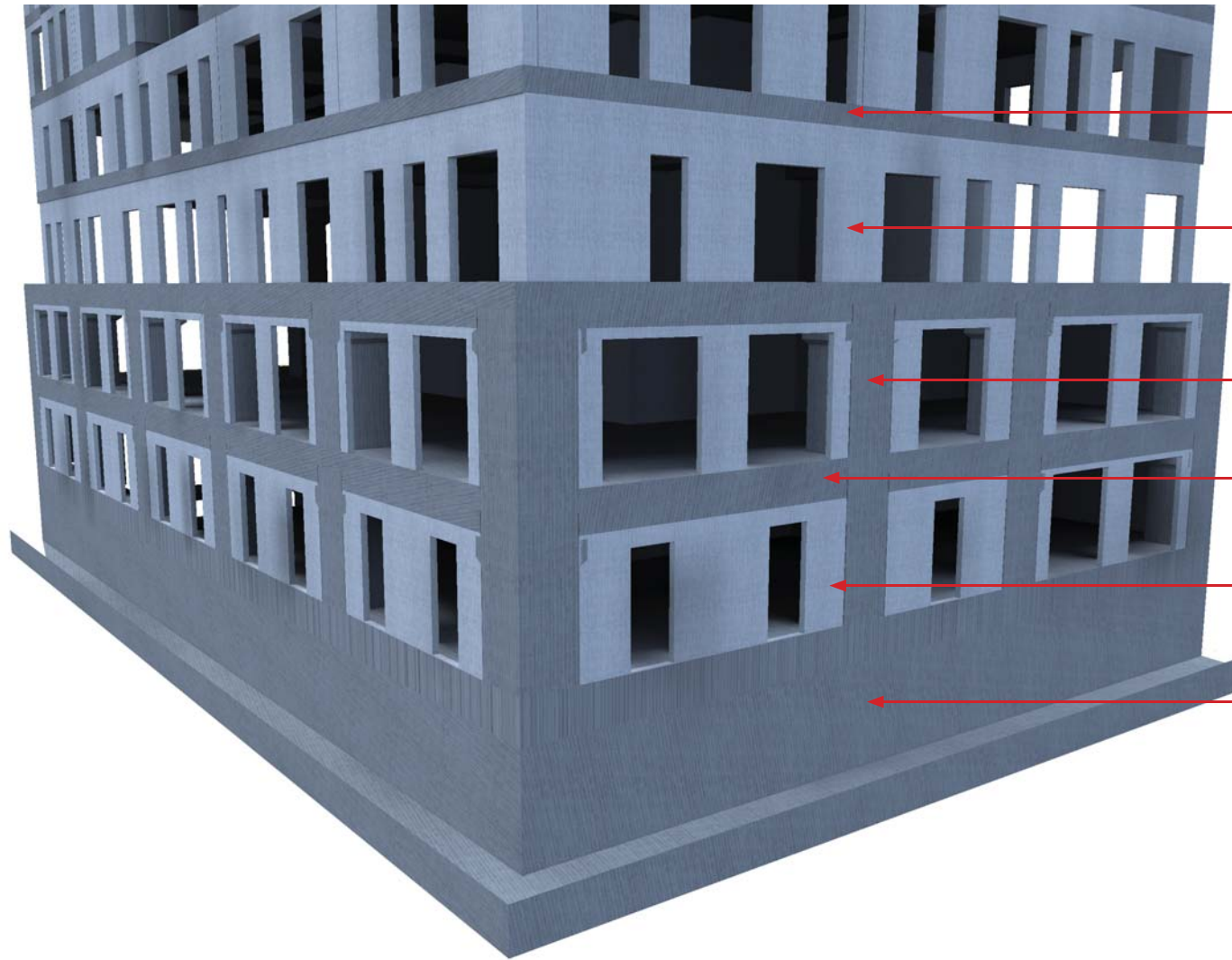
concrete fire stairs

elevator, surrounded by concrete walls
d= 500mm

installation shaft, surrounded by concrete walls
d= 500mm

elevator, surrounded by concrete construction walls
d= 300mm

concrete beams
d= 400mm



concrete floor construction
d= 350mm

concrete construction walls
d= 300mm

concrete construction column
d= 1250mm

concrete construction beam
d= 300mm

concrete walls for facade
d= 200mm

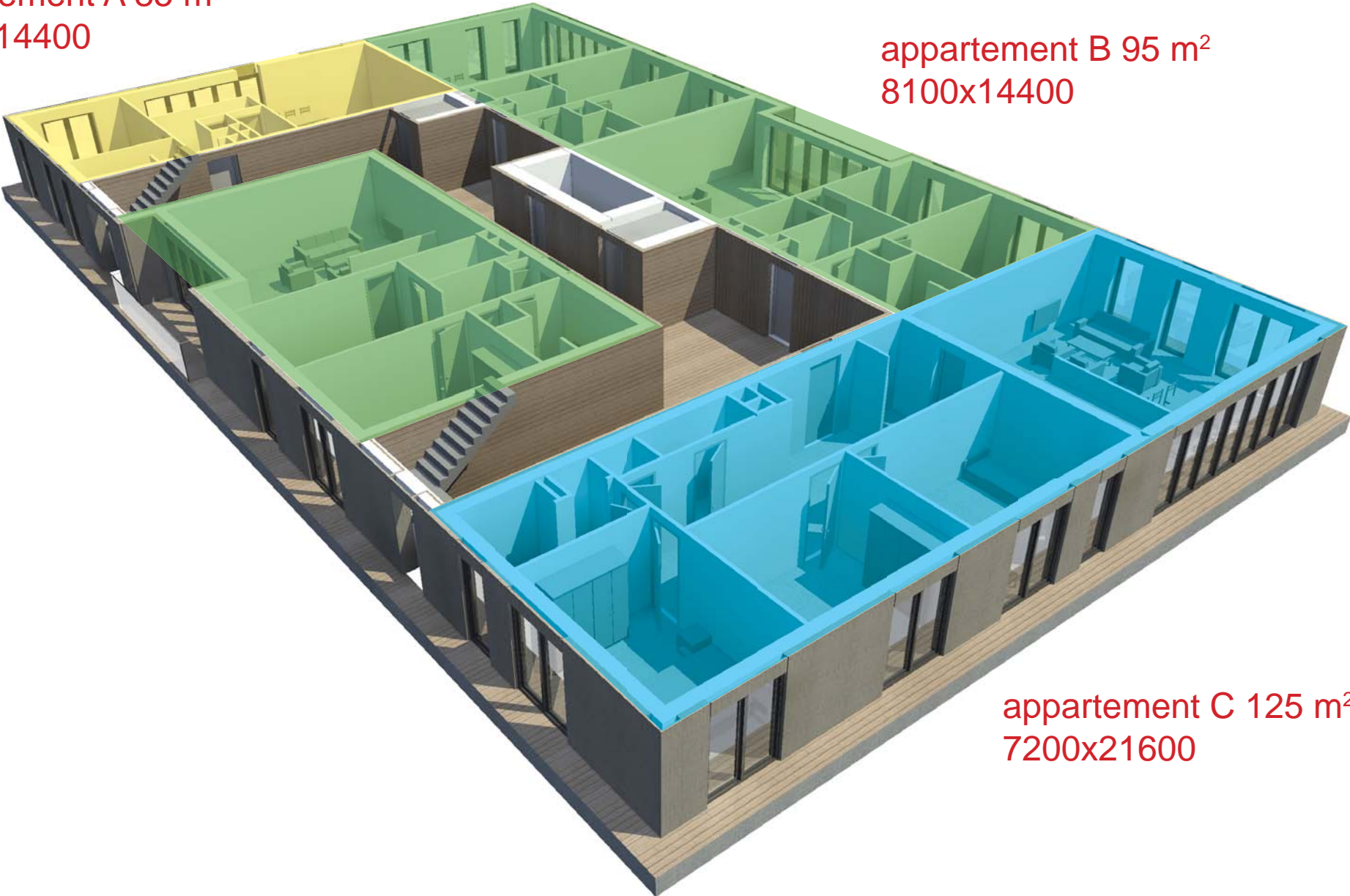
concrete construction walls
of parking garage
d= 300mm

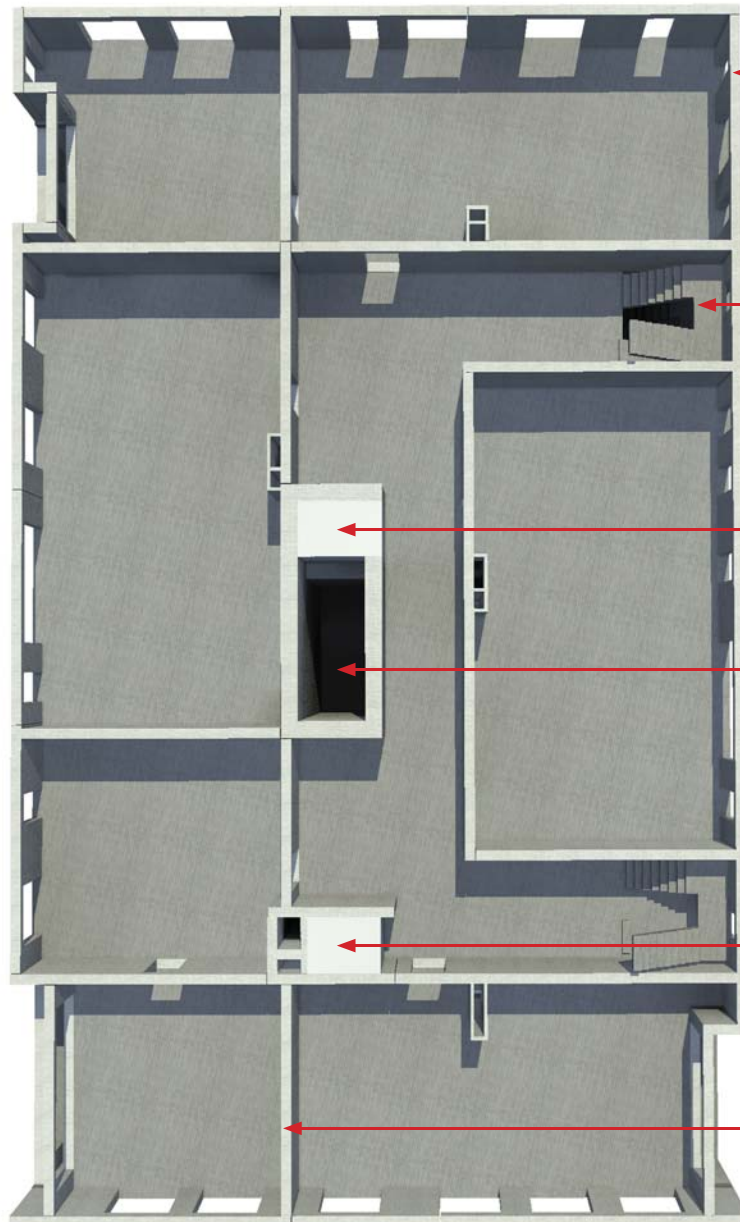


appartement A 85 m²
7200x14400

appartement B 95 m²
8100x14400

appartement C 125 m²
7200x21600





concrete inner facade wall
d= 300mm

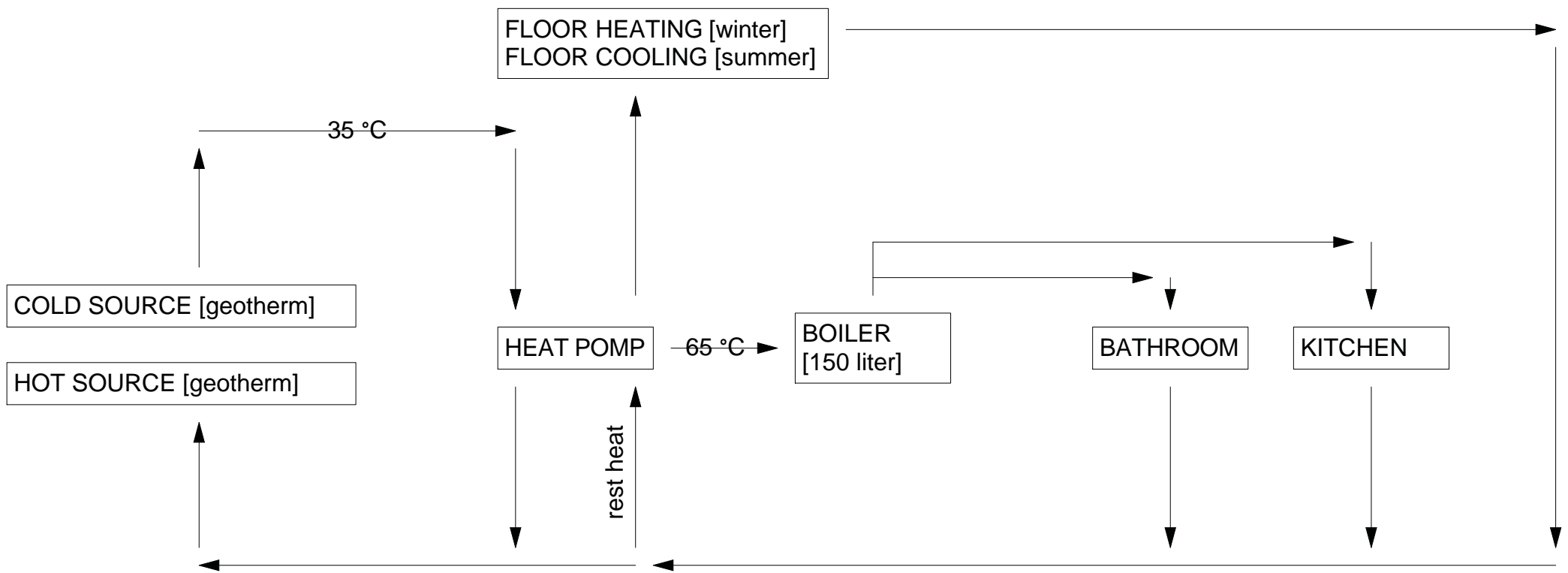
concrete fire stairs

elevator, surrounded by concrete walls
d= 500mm

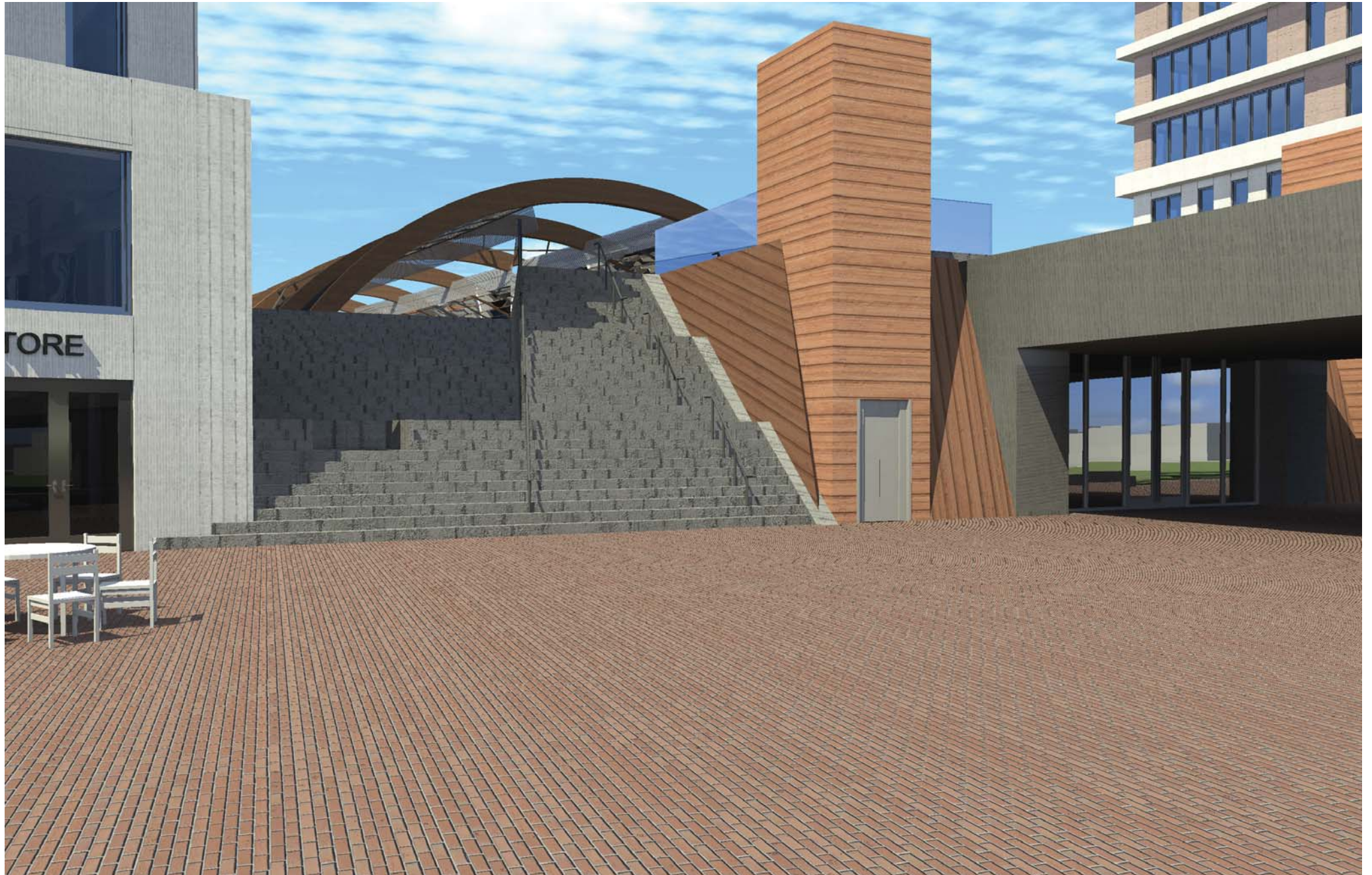
installation shaft, surrounded by concrete walls
d= 500mm

elevator, surrounded by concrete construction walls
d= 300mm

concrete construction walls
d= 300mm









CONCLUSION

made a large densification assignement

designed a station building

defined the station area

found a solution for the industrial buildings in area

removed the talud of the elevated traintrack

used the polution problem of the industry to create a solution

I designed a architectural intervention that combines the improvement of the station and station area, by bringing a park [as public space] and functions as activator for the densification area of Kogerveld



THANK YOU!