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Personal choice



Wooden side table, by Smit, T.

Hypothesis







Crafts Education over time

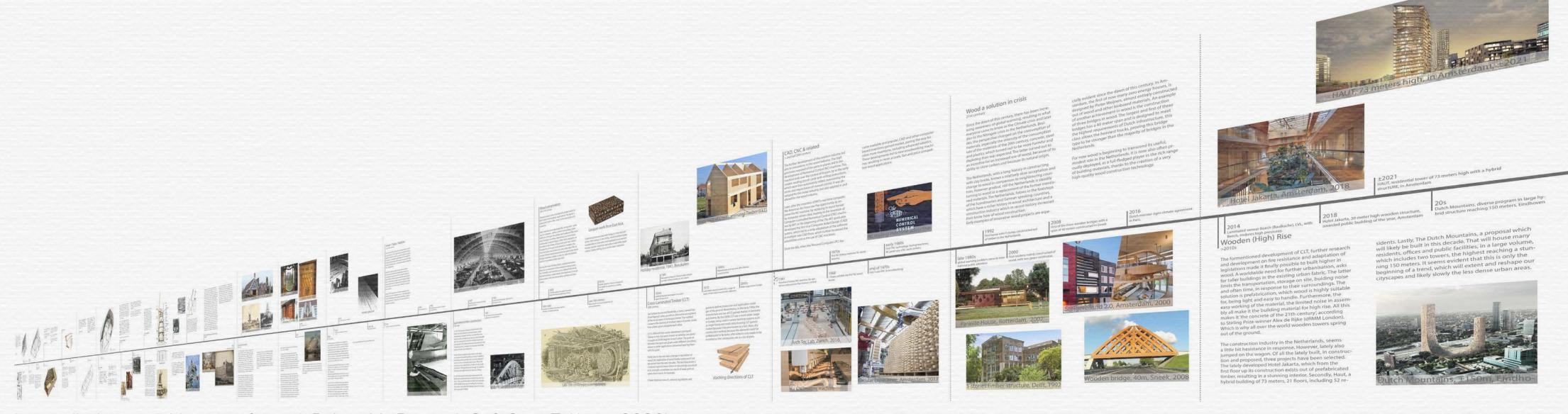
"Wood and the education and practice of its crafts, to some might look ancient, seem to make a comeback."

"What has been the role of wood and craft education in the Netherlands over time?"

"...insight is given in knowledge centres of the past and present to elaborate if a new knowledge centre might be relevant at present..."

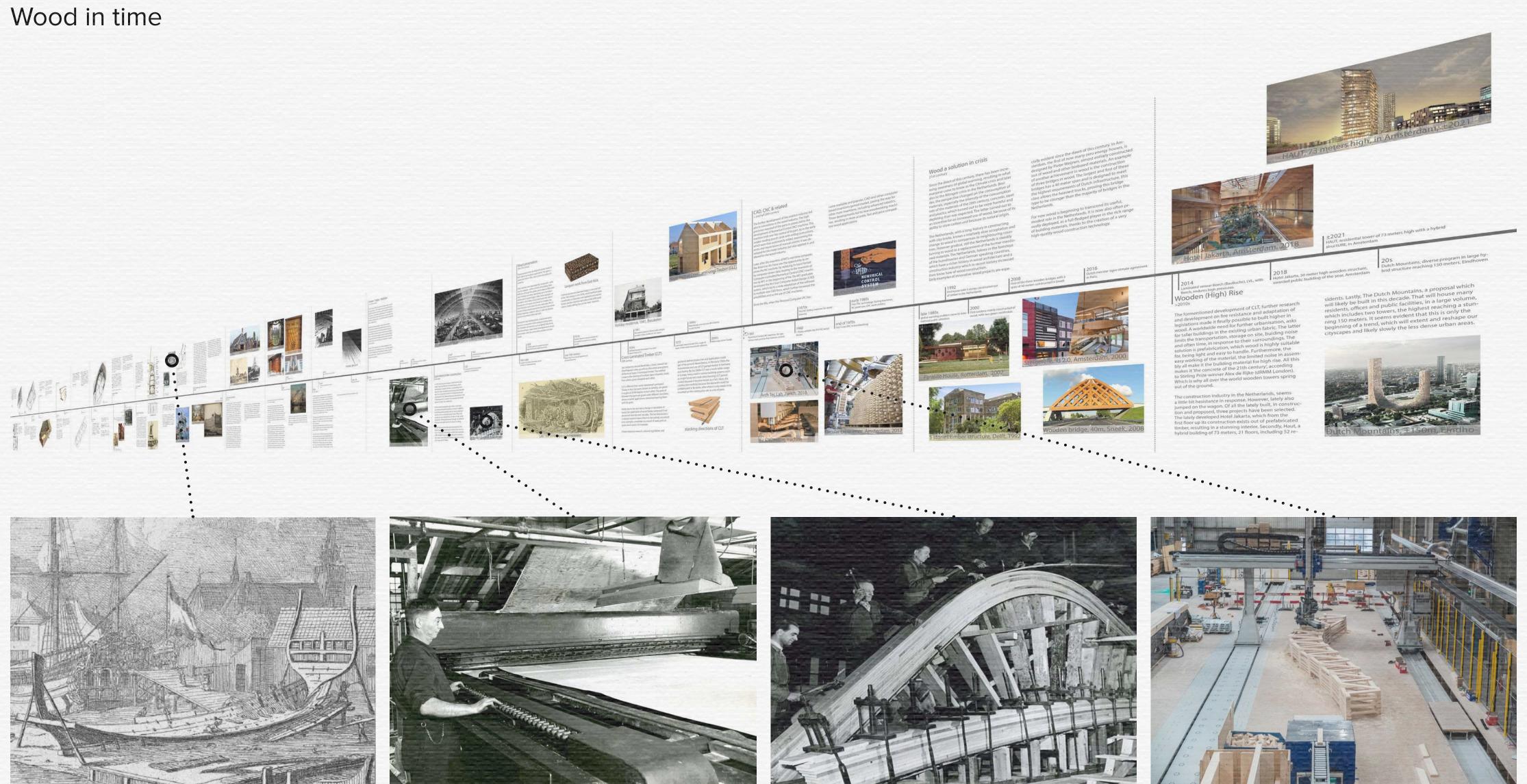
Wood

Wood in time



Leporello (one-side) history of wood, Baltus, M., Breugel, G. & Smit, T. (June, 2020)

Wood



Wooden ships & city in 16th-17th century

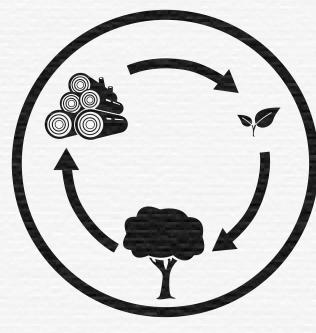
Vineer chipper

Fabrication of laminated beams

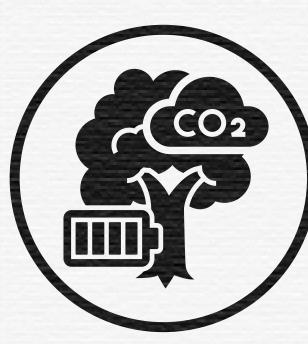
Assembly of trusses

Wood

New incentives



renewable/circular

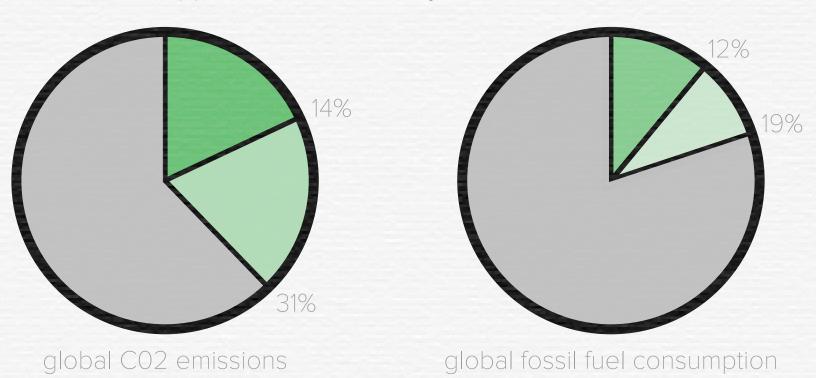


carbon storage



light transport & easy processing





~ Yale University, 2014

Crafts Centres

Education centres



Crafts centres

Knowledge centres



Bouwcentrum, in Rotterdam, completed 1948



Interior, Bouwcentrum, Rotterdam

Montage



Montage



Montage



Montage



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Montage



Montage



Montage



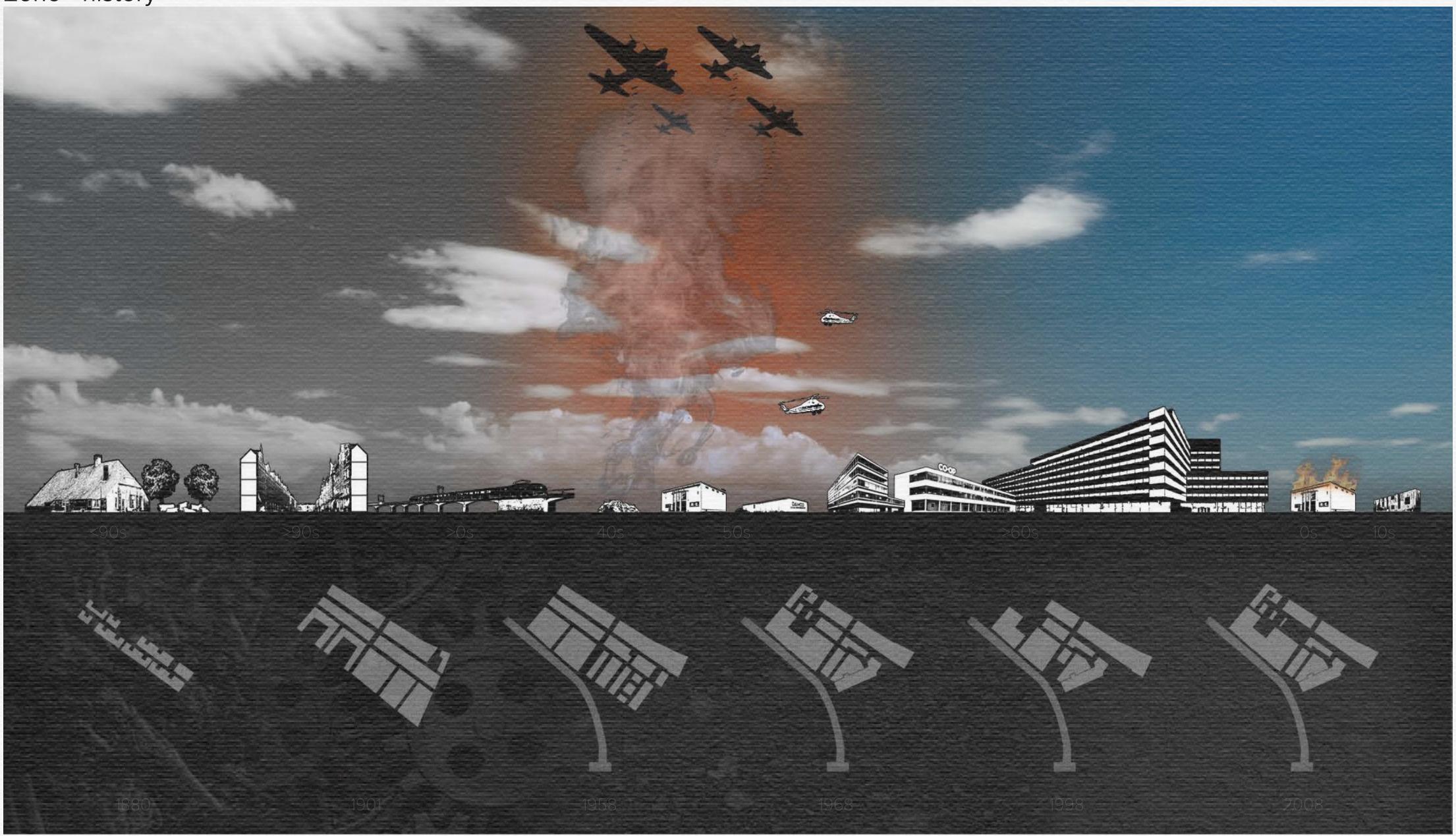
Zomerhof / Zoho, Rotterdam



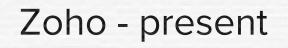
- Legend:
 ①education
 ②craftsman
 ③creative industries
 ④creative offices
 ⑤events

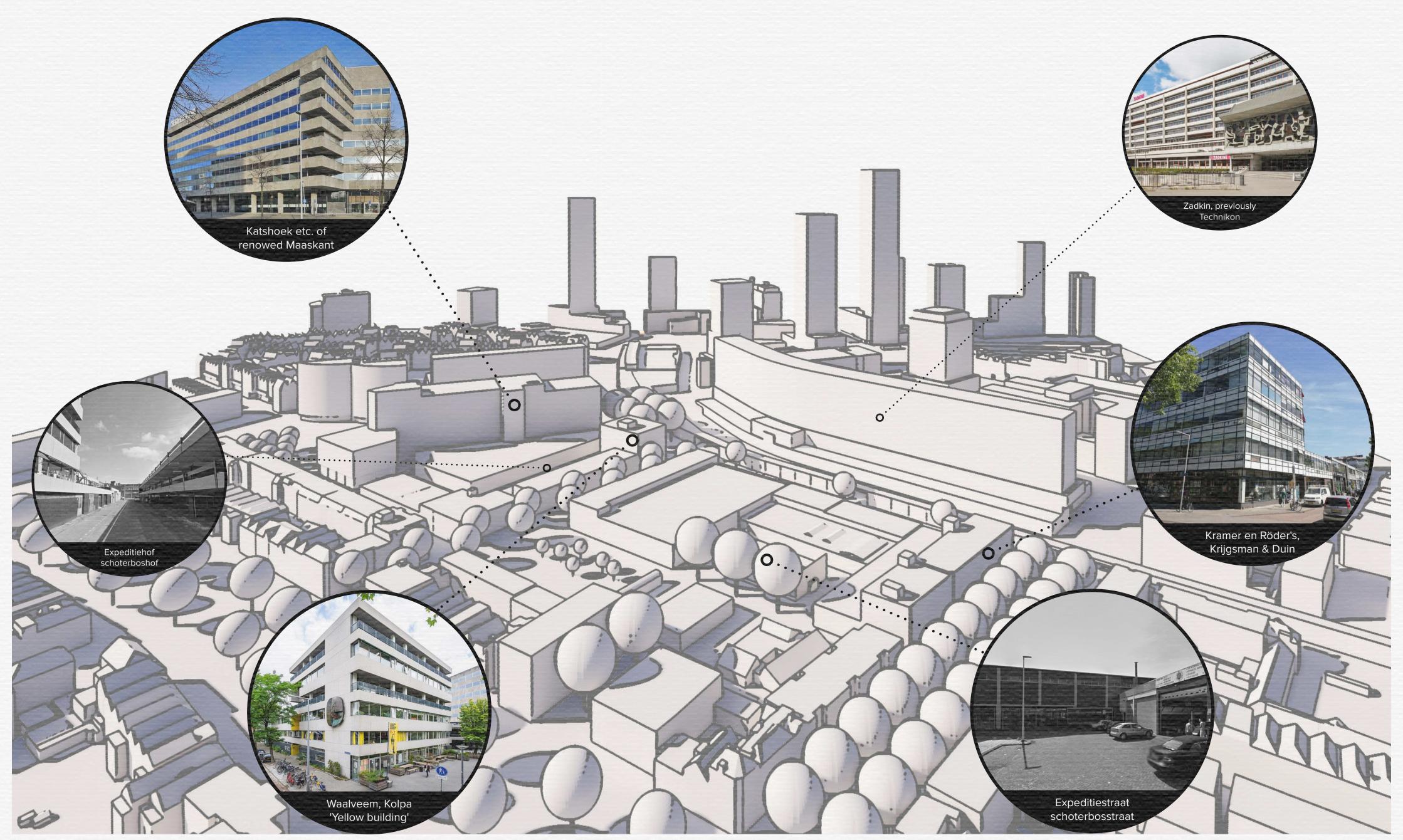
- 6 Hofbogenlijn
 7 canal & green area
 8 tram stop
 9 train station
 0 new developments

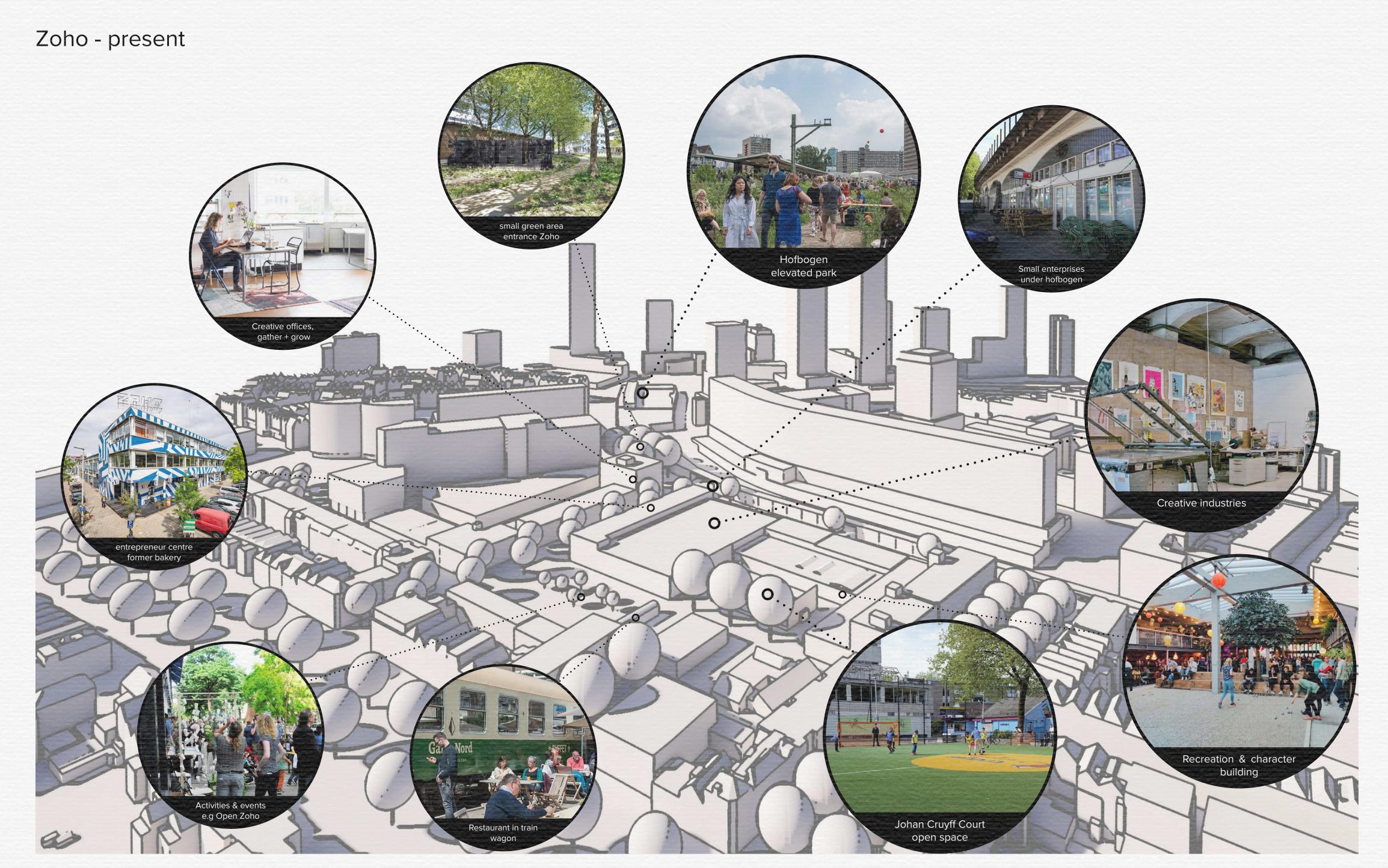
Zoho - history

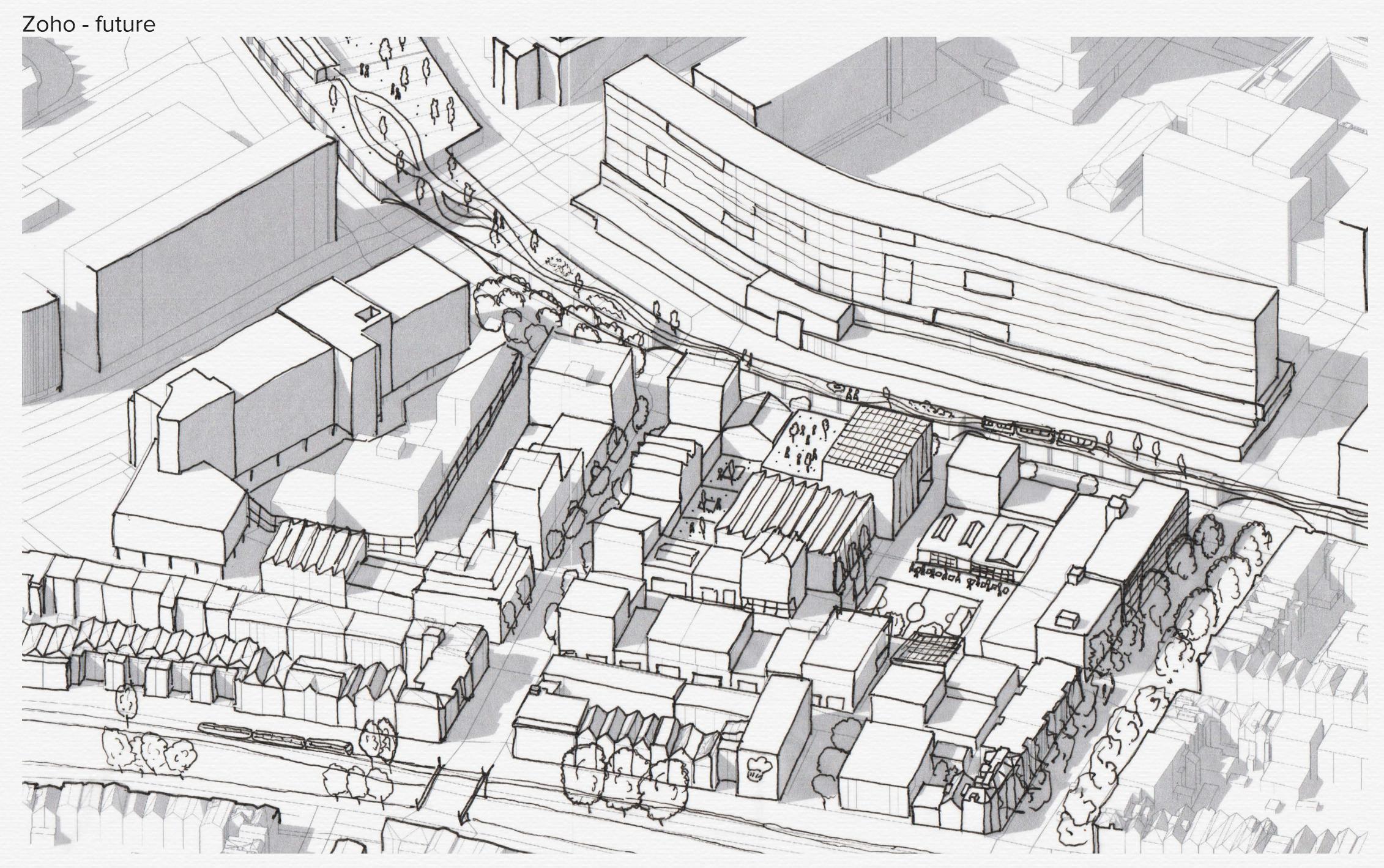






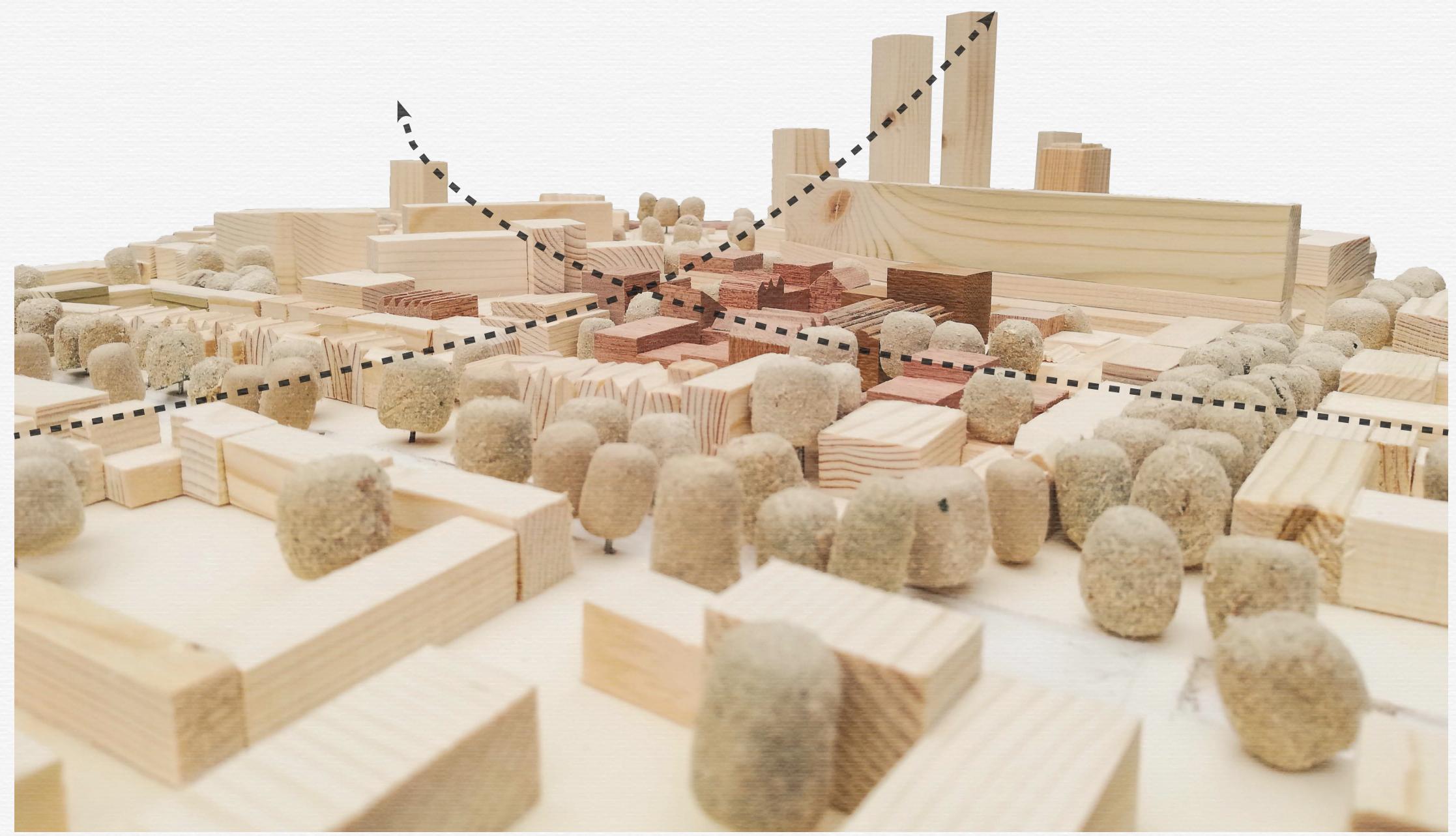






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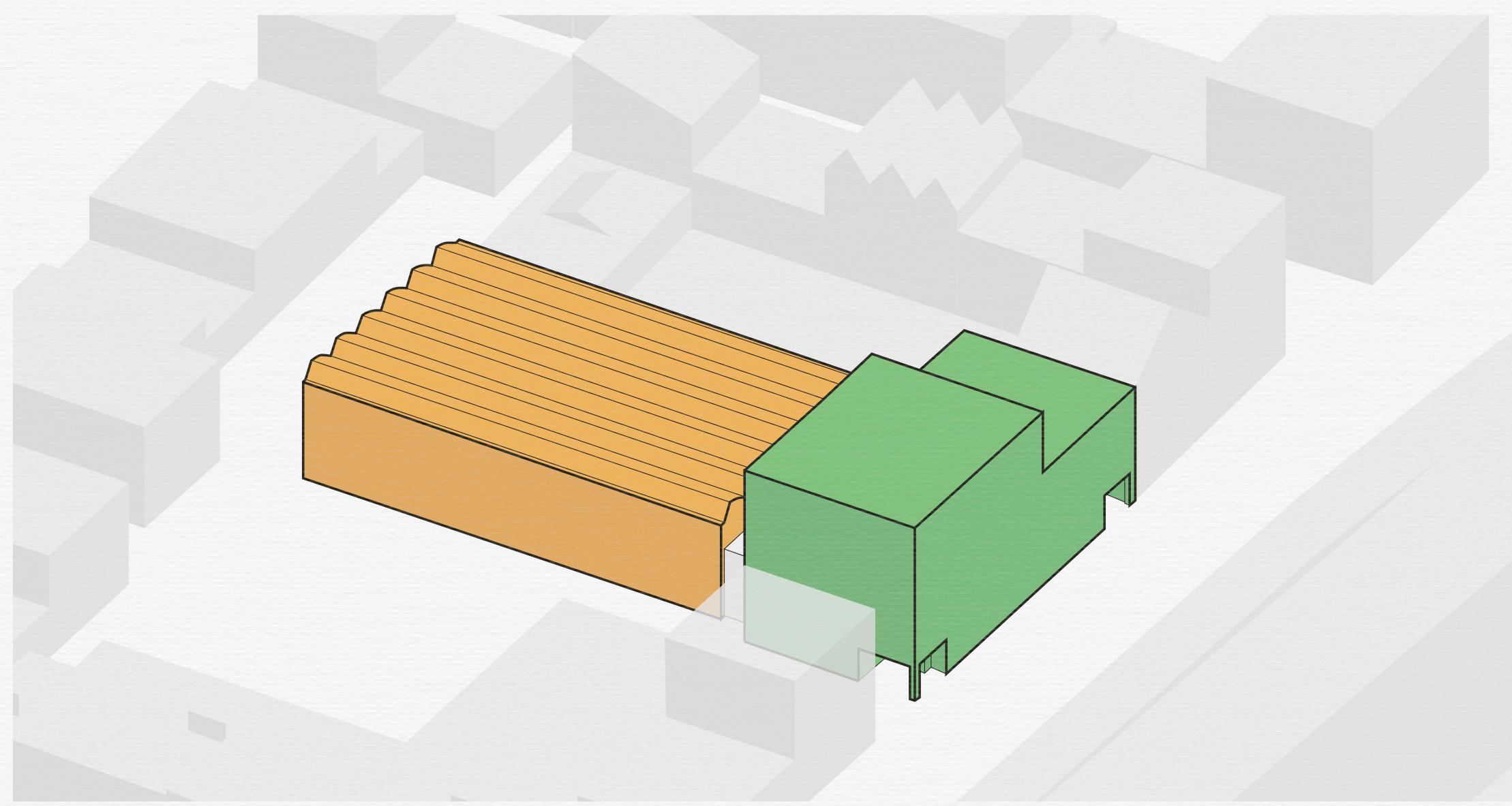
Proposal





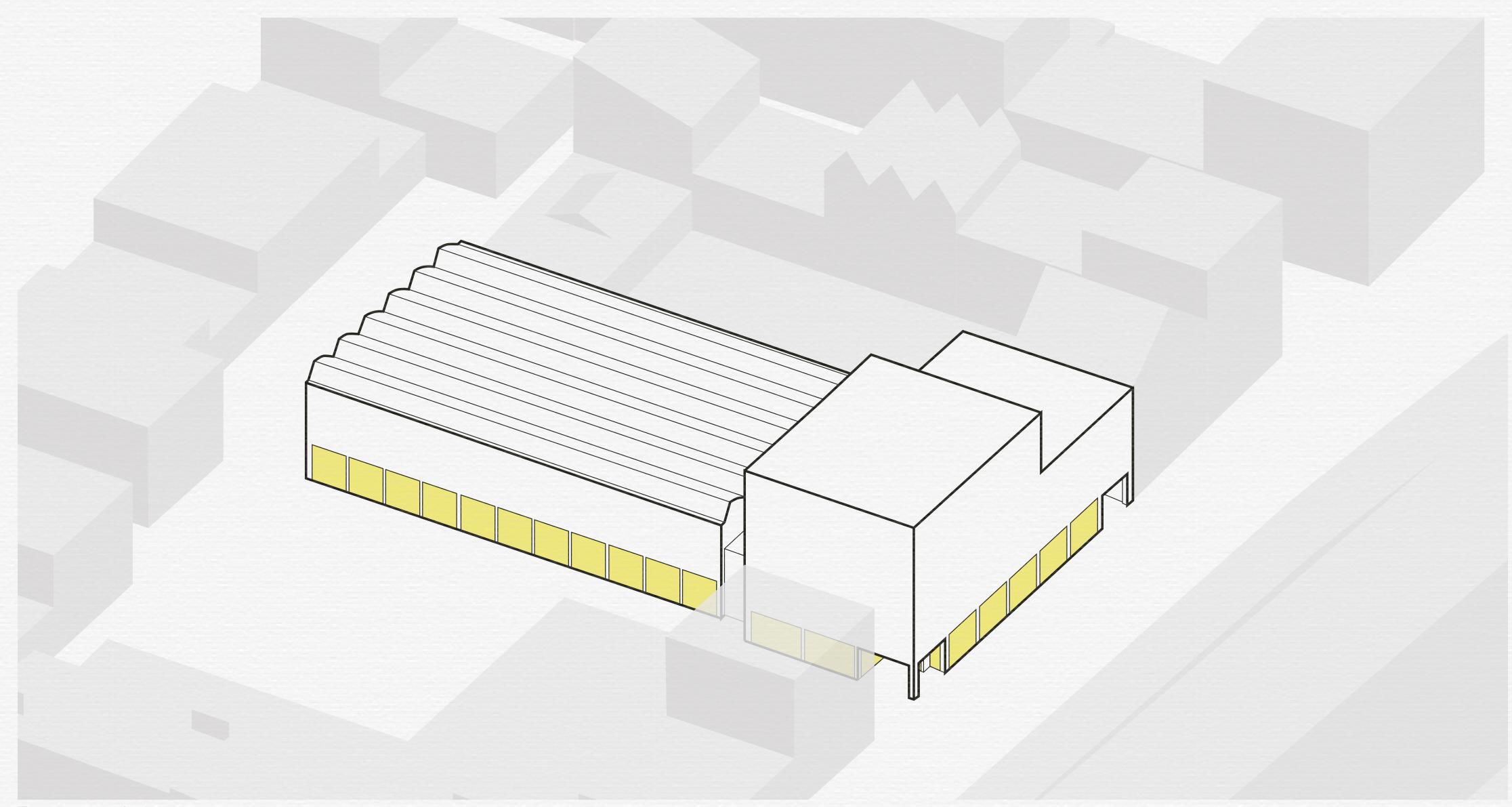
Special objects and places
Wood Knowledge Centre | Urban Architecture | Thijn Smit

Concept diagram



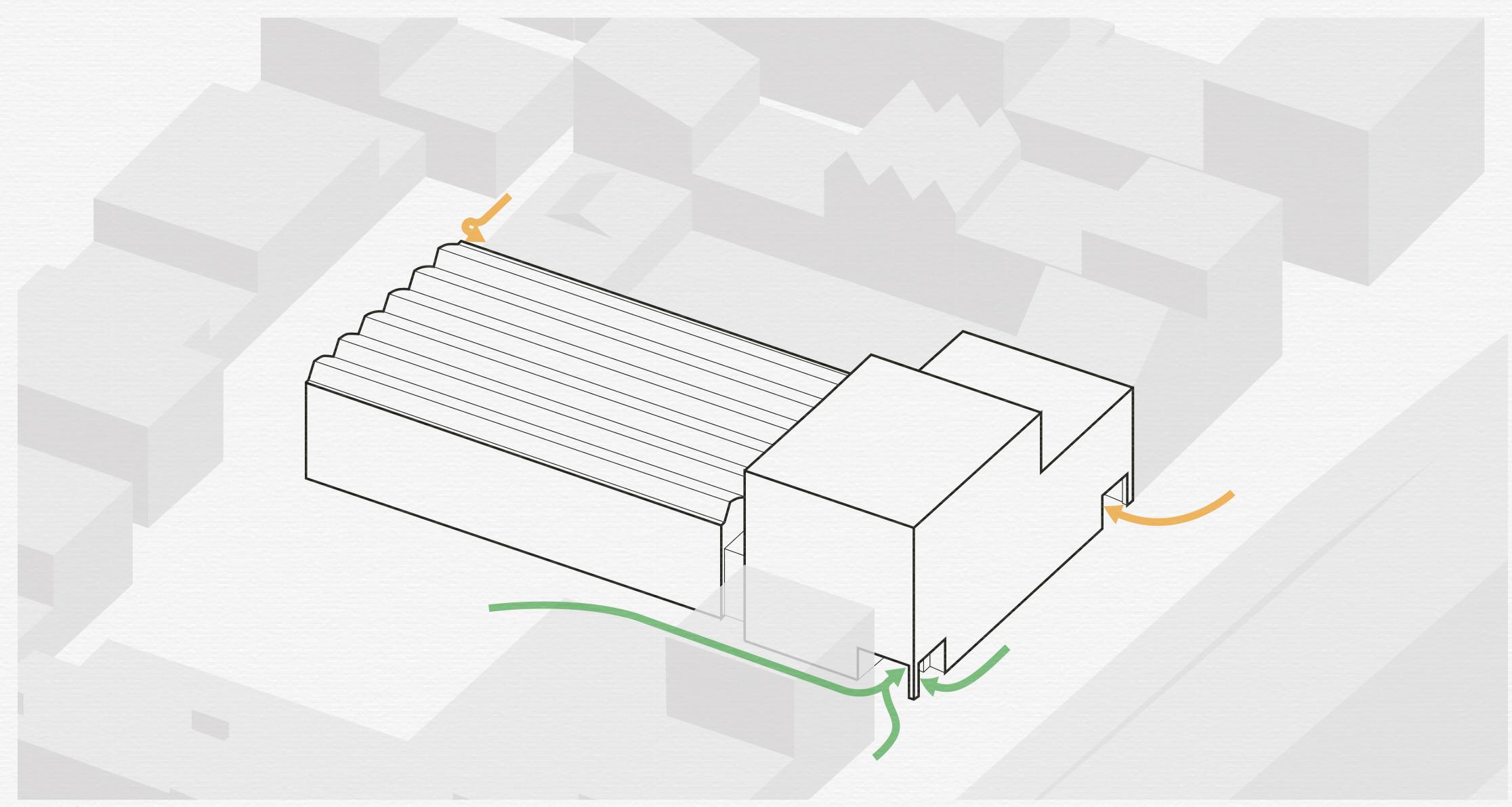
'Back' (practice) & 'Front' (theory)

Concept diagram



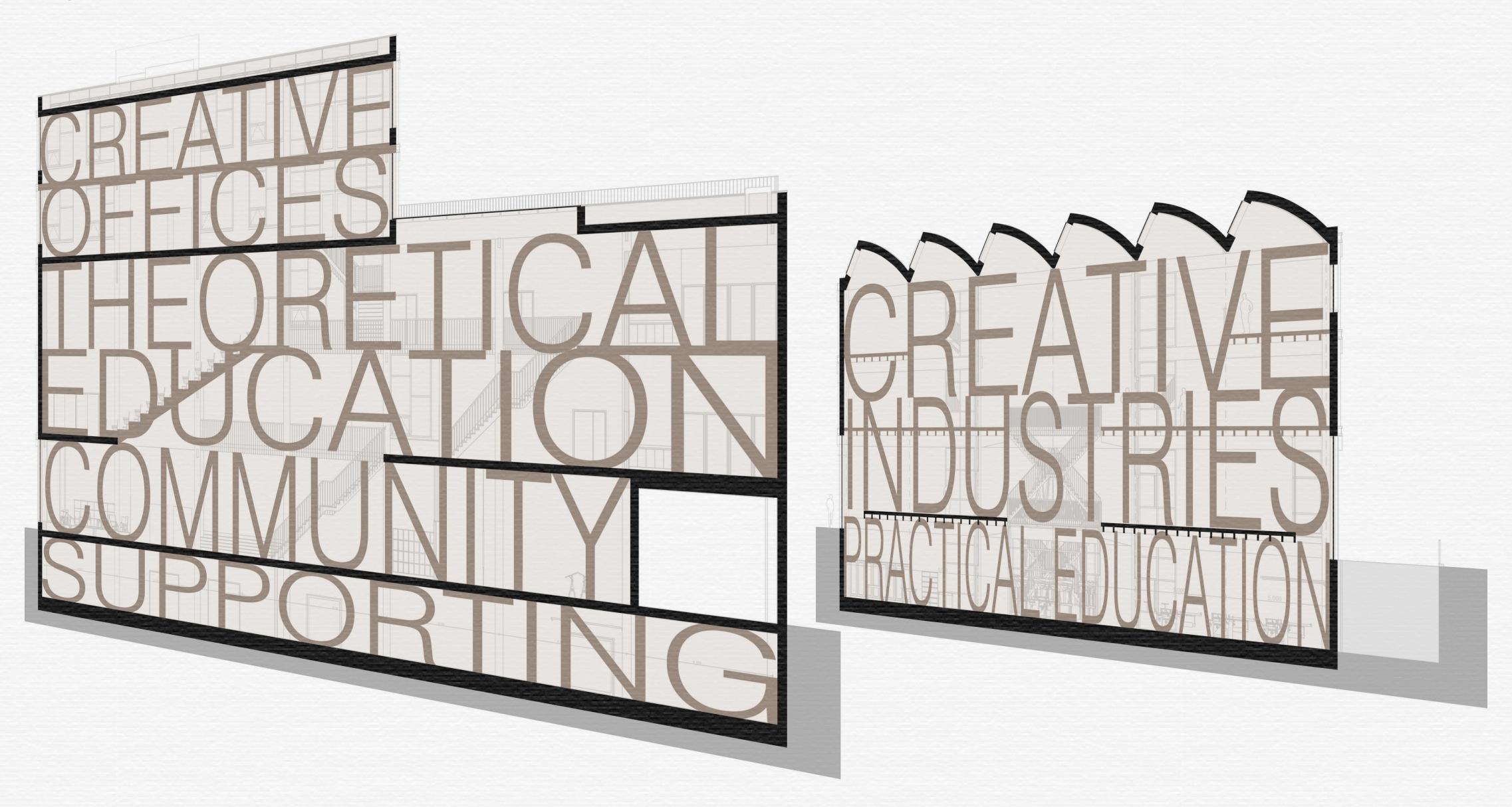
Transparent plinth

Concept diagram



Ways of approach

Program Front - Back



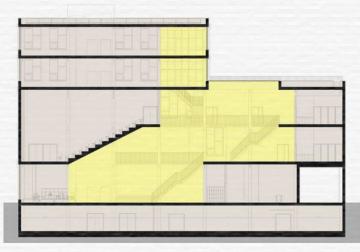


Ground floor 'front'



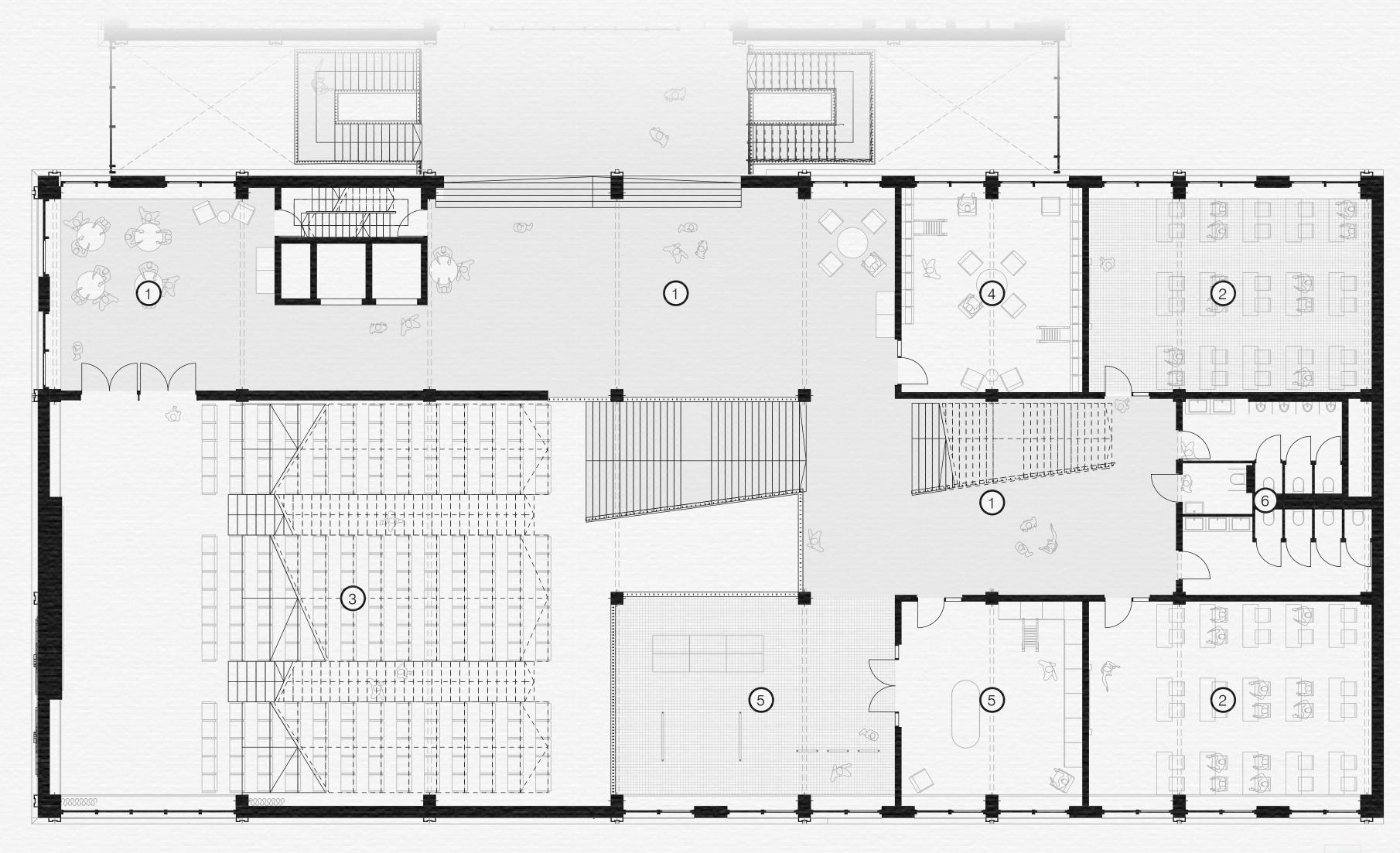


Interior (Hall) 'front'



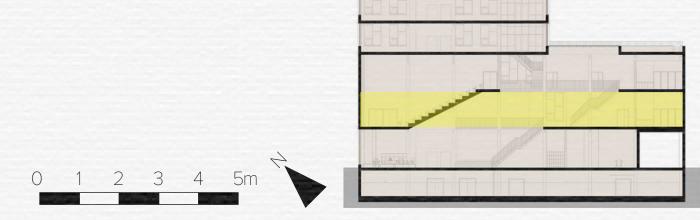
Section 'front', central hall

1st floor 'front'

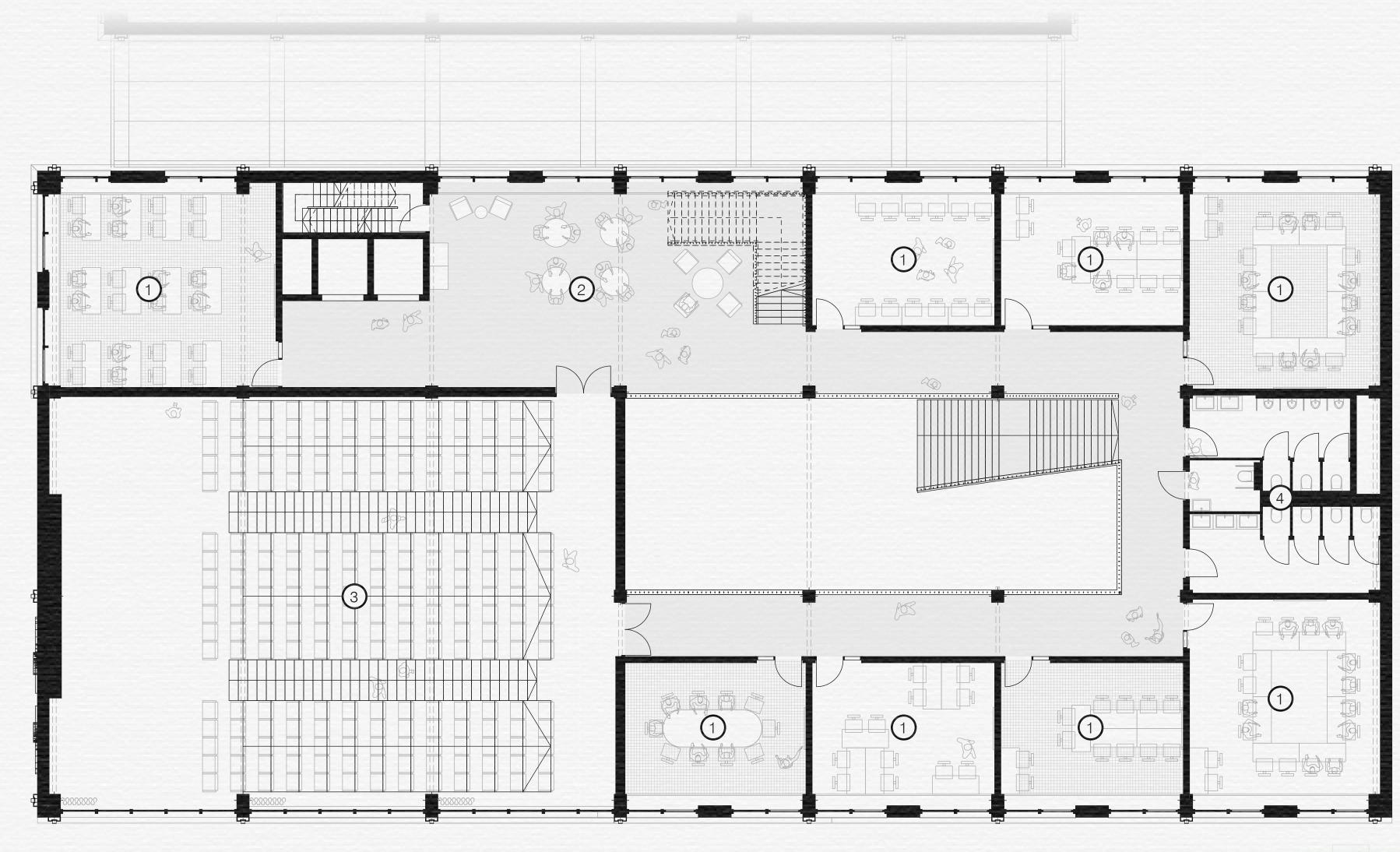




1) flexible-/ break out space
2) class rooms
3) auditorium
4) library for documentation ⑤ library for materials (samples) Wood Knowledge Centre I Urban Architecture I Thijn Smit 6 sanitation



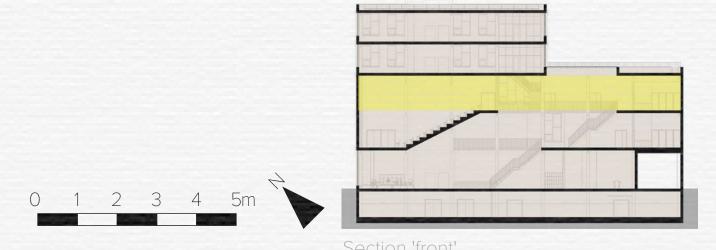
2nd floor 'front'



Legend:

1) flexible-/ break out space

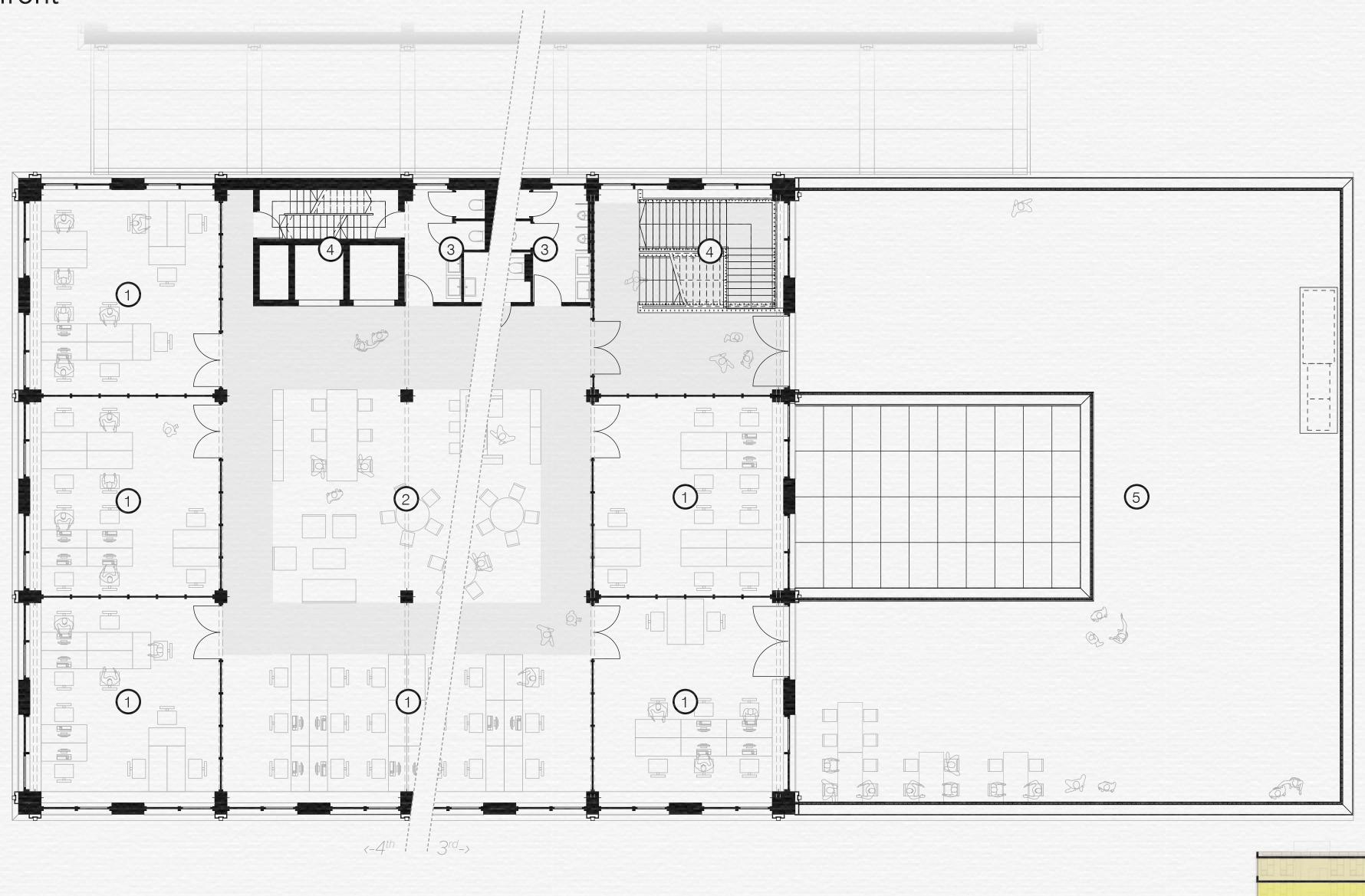
2 meeting room (for education & offices)
3 auditorium
4 sanitation



Section 'front'

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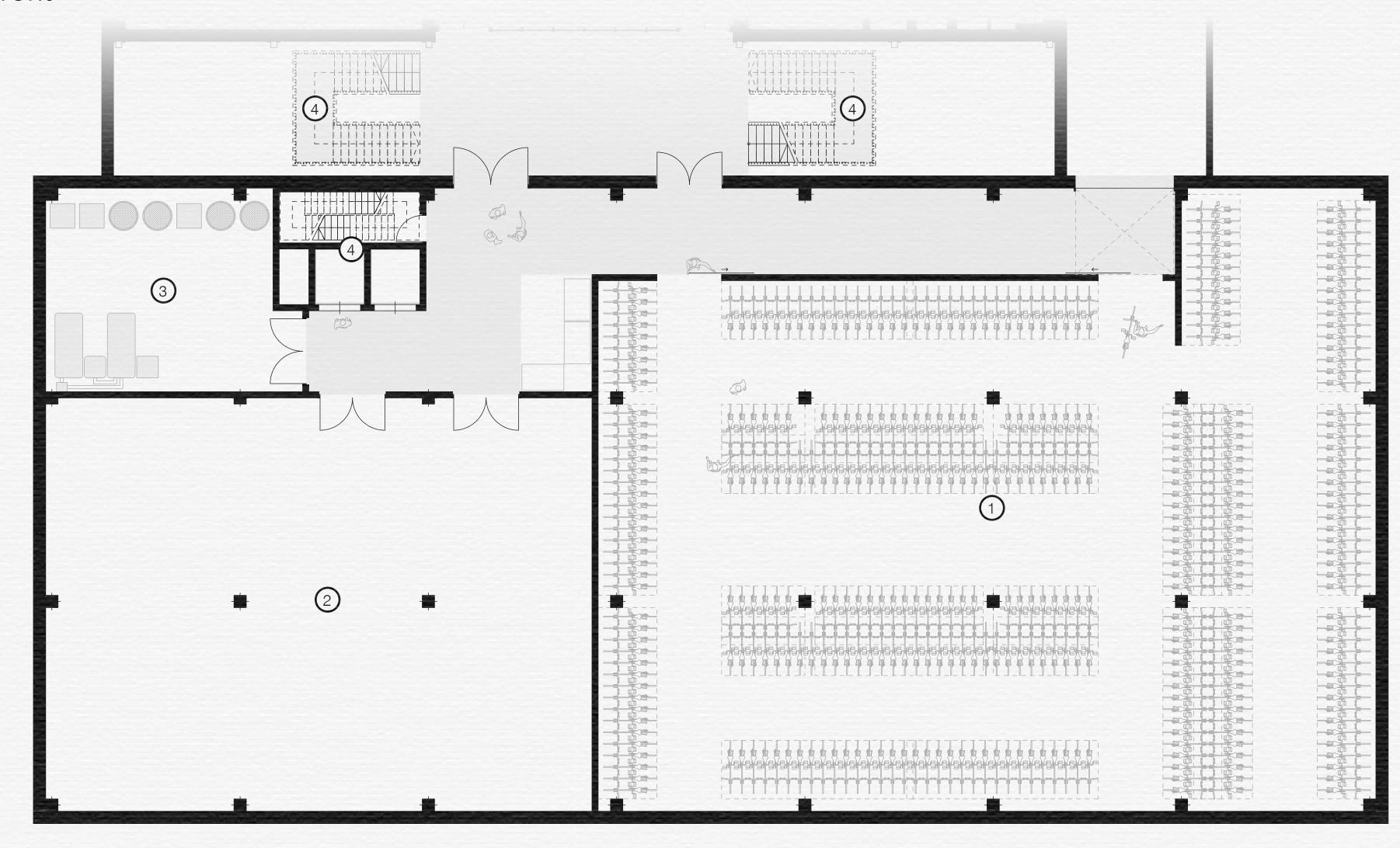
4th / 3rd floor 'front'



Legend:
① flexible office.
② facilities, bar, lunch & flexible space
③ sanitation
④ vertical circulation
⑤ terrace Wood Knowledge Centre | Urban Architecture | Thijn Smit

Section 'front'

Basement 'front'



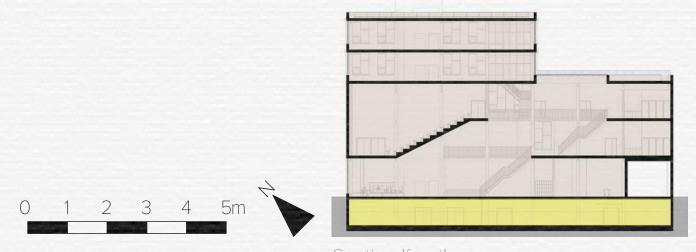


1) bicycle parking2) storage space3) installation room (heath pump, grey

water system, solar boiler etc.) Water System, Sciar Boiler etc.)

Vertical circulation

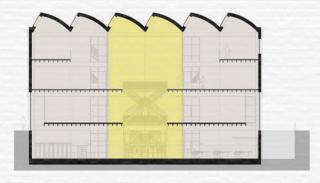
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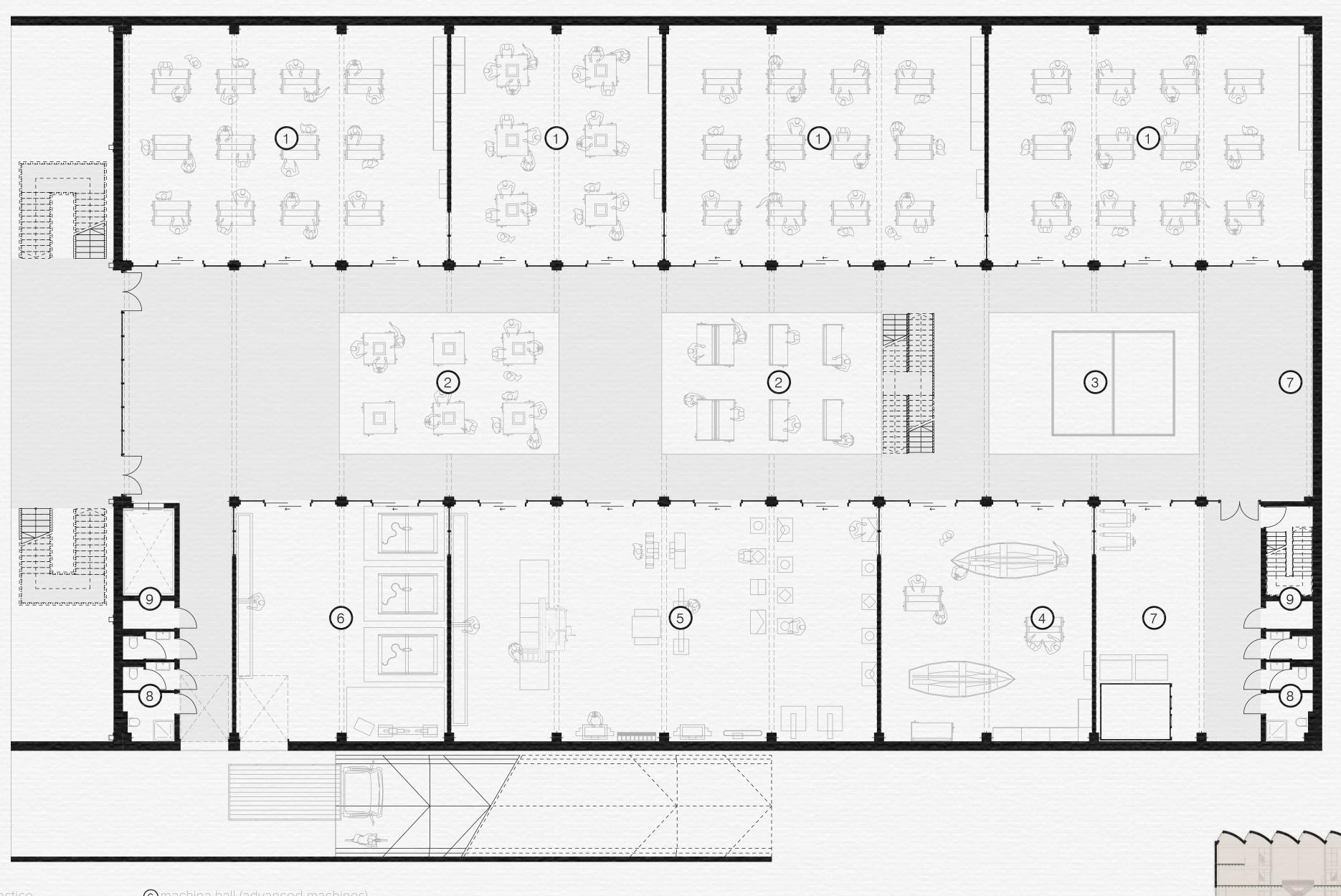
Section 'front'



Interior centre 'back'



Basement 'back'



Legend:

(1) classroom for practice

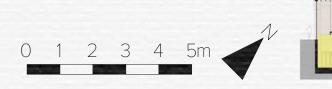
2 flexible workspaces

assembly space (extra high)

4 flexible workshop 5 machine hall

6 machina hall (advanced machines)

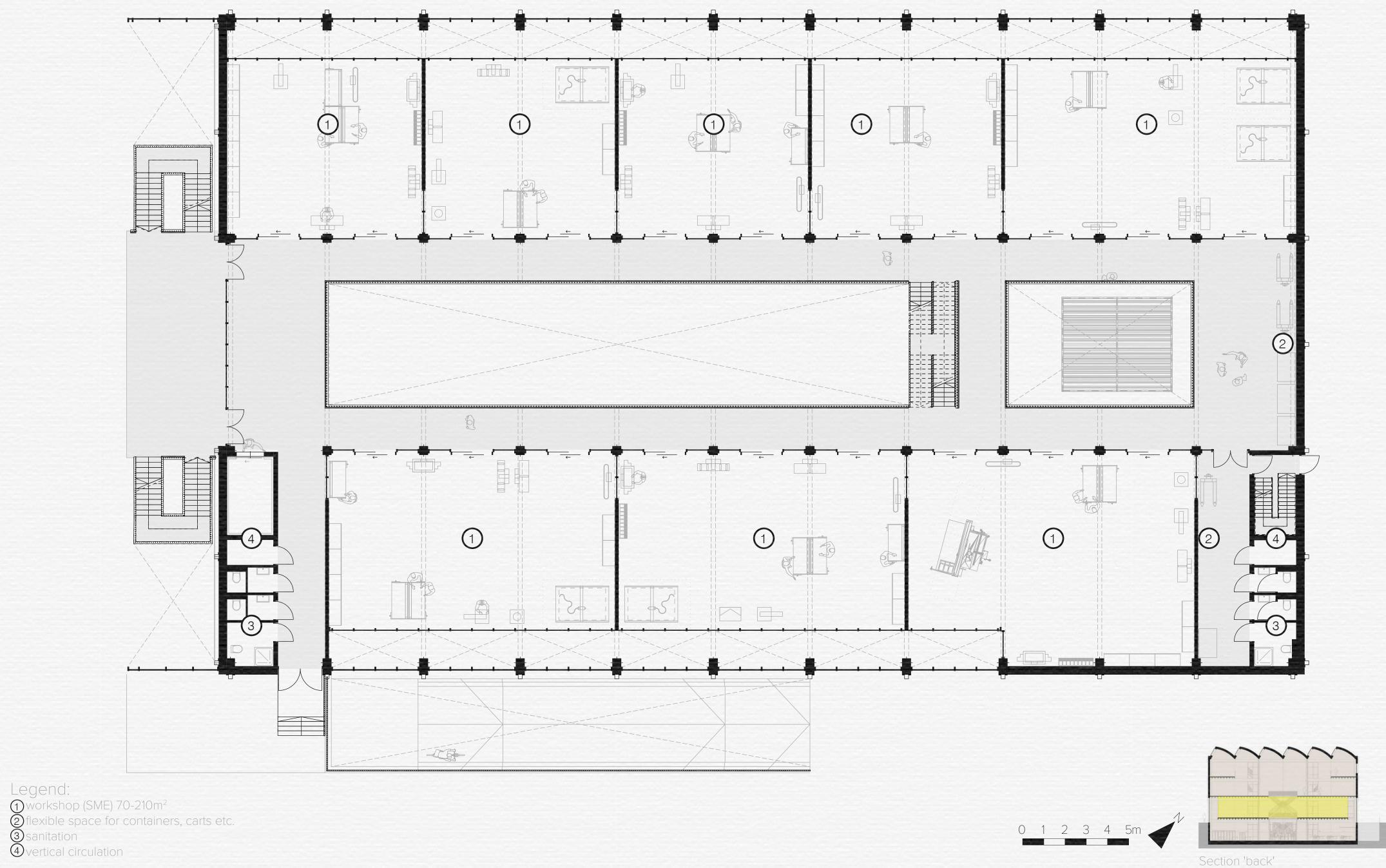
7 flexible space for spray booth etc.
8 sanitation
9 vertical circulation

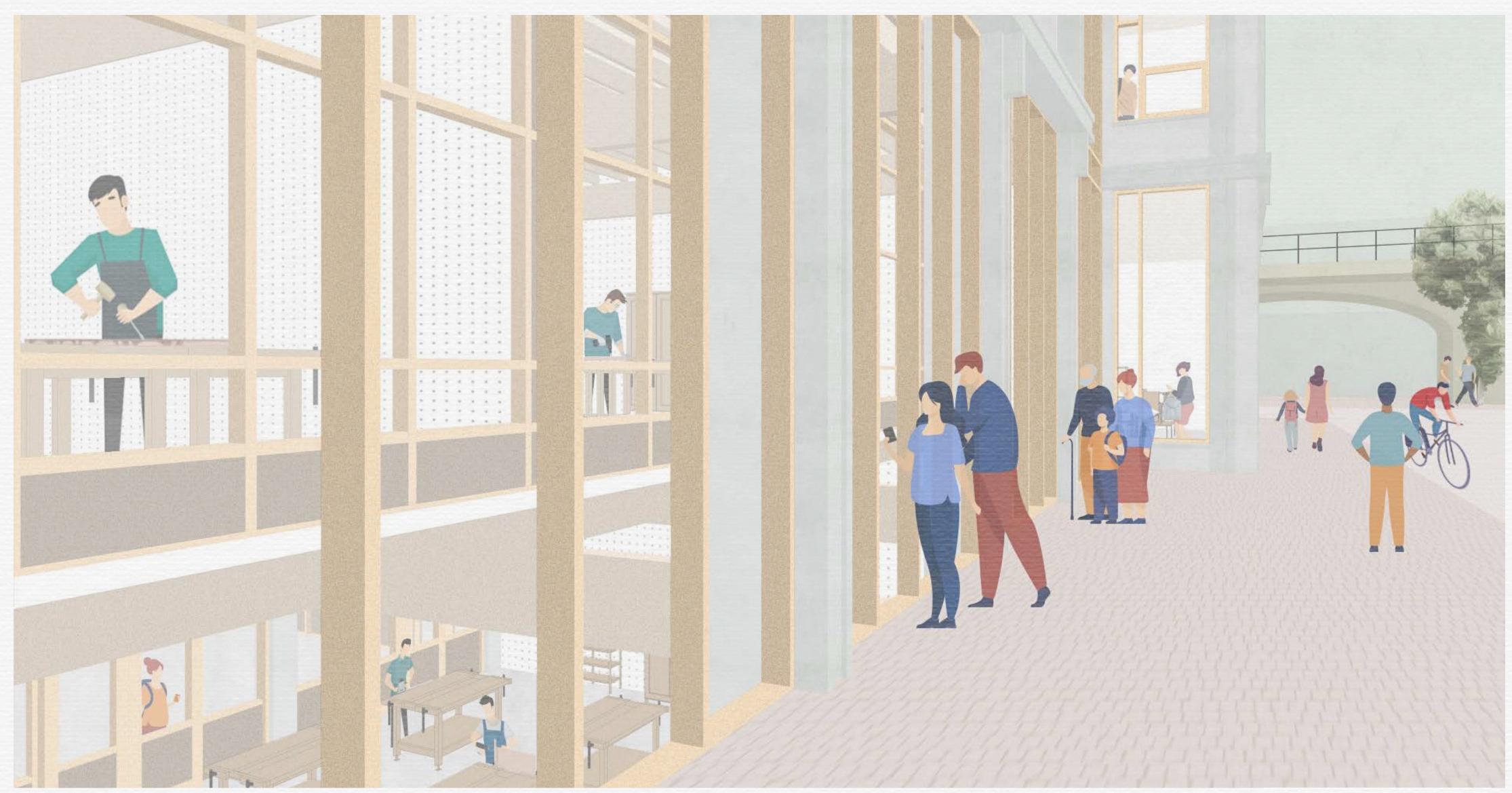




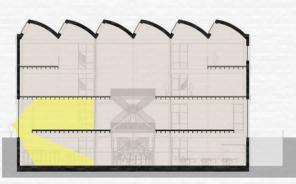
Section 'back'

Ground floor +1m 'back'





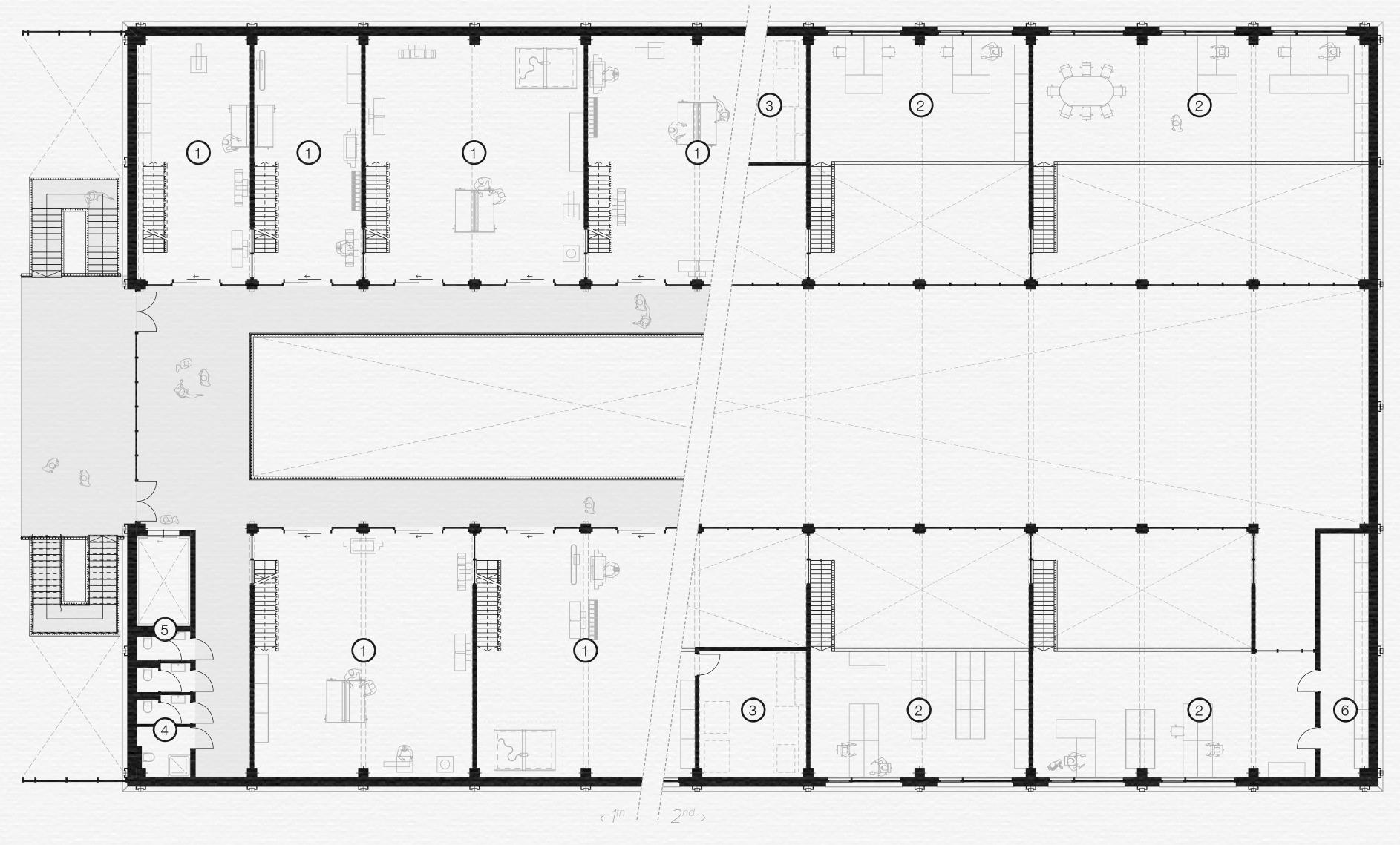
View from outside, on practice industry & education



White stained fir

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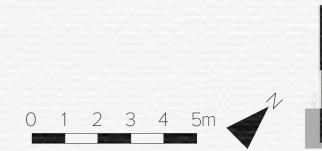
1st floor/ 2nd floor 'back'

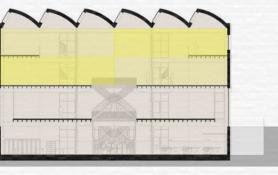


Legend:

6 storage

1 workshop (SME) 70-210m²
2 duplex of workshop underneath
3 installation space
4 sanitation
5 vertical circulation Wood Knowledge Centre | Urban Architecture | Thijn Smit





Section 'back'

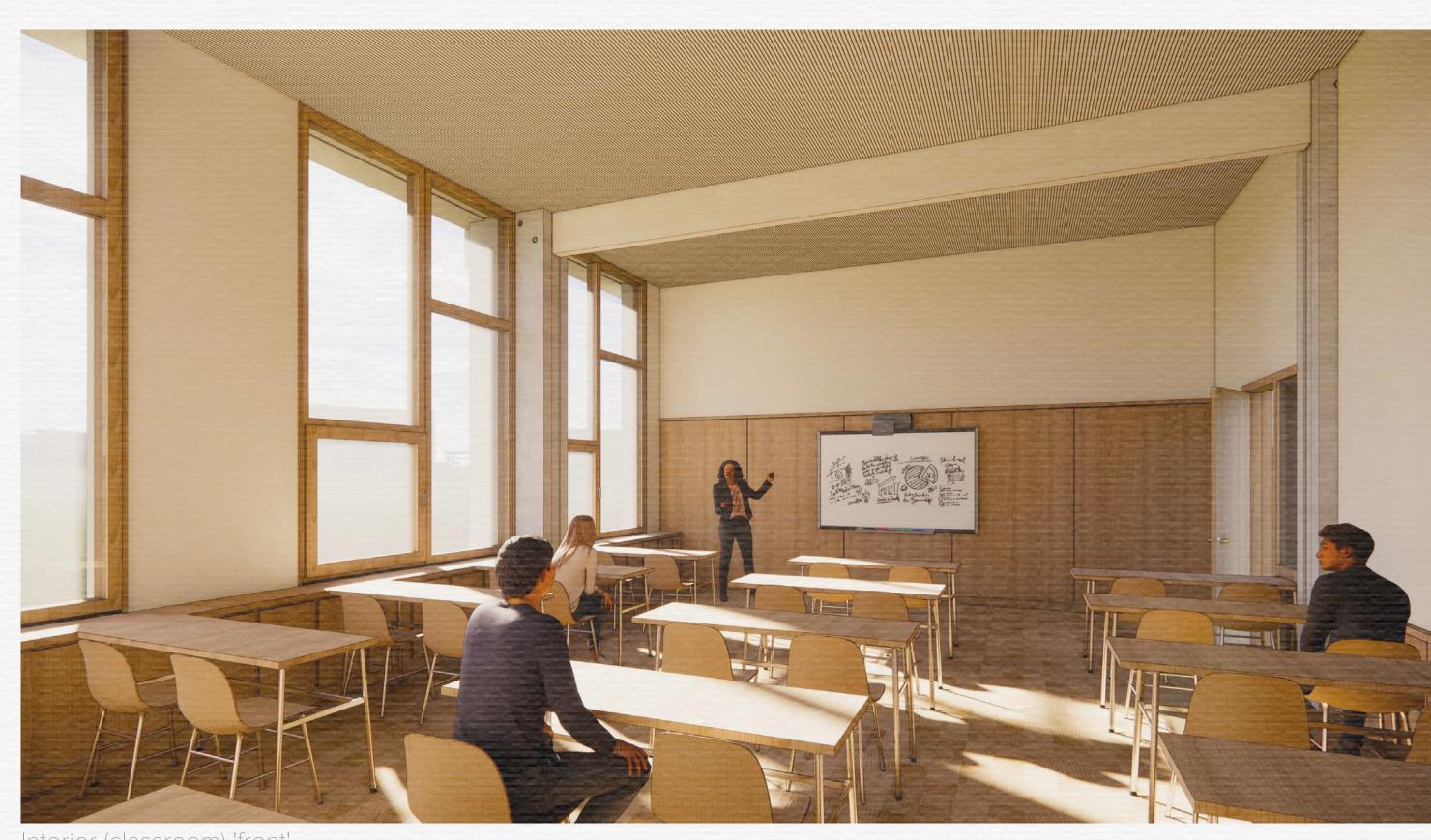
Exterior



Exterior, elevation South-West

Interior (front)



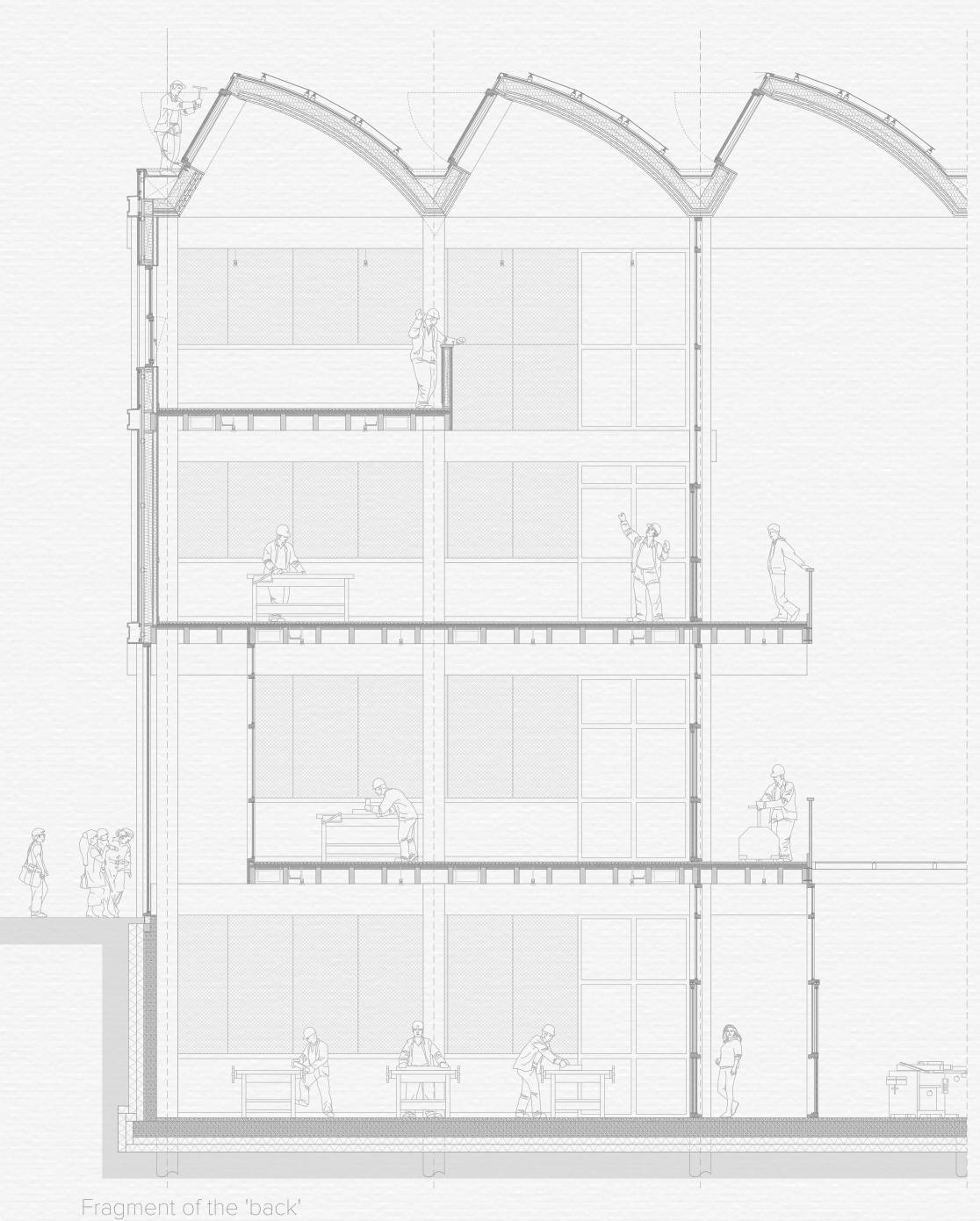


Interior (classroom) 'front'

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Interior (back)



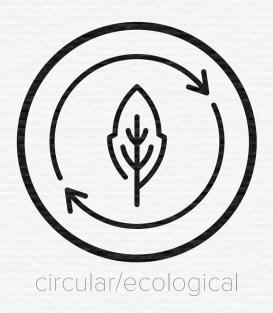


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Technology - Ambition







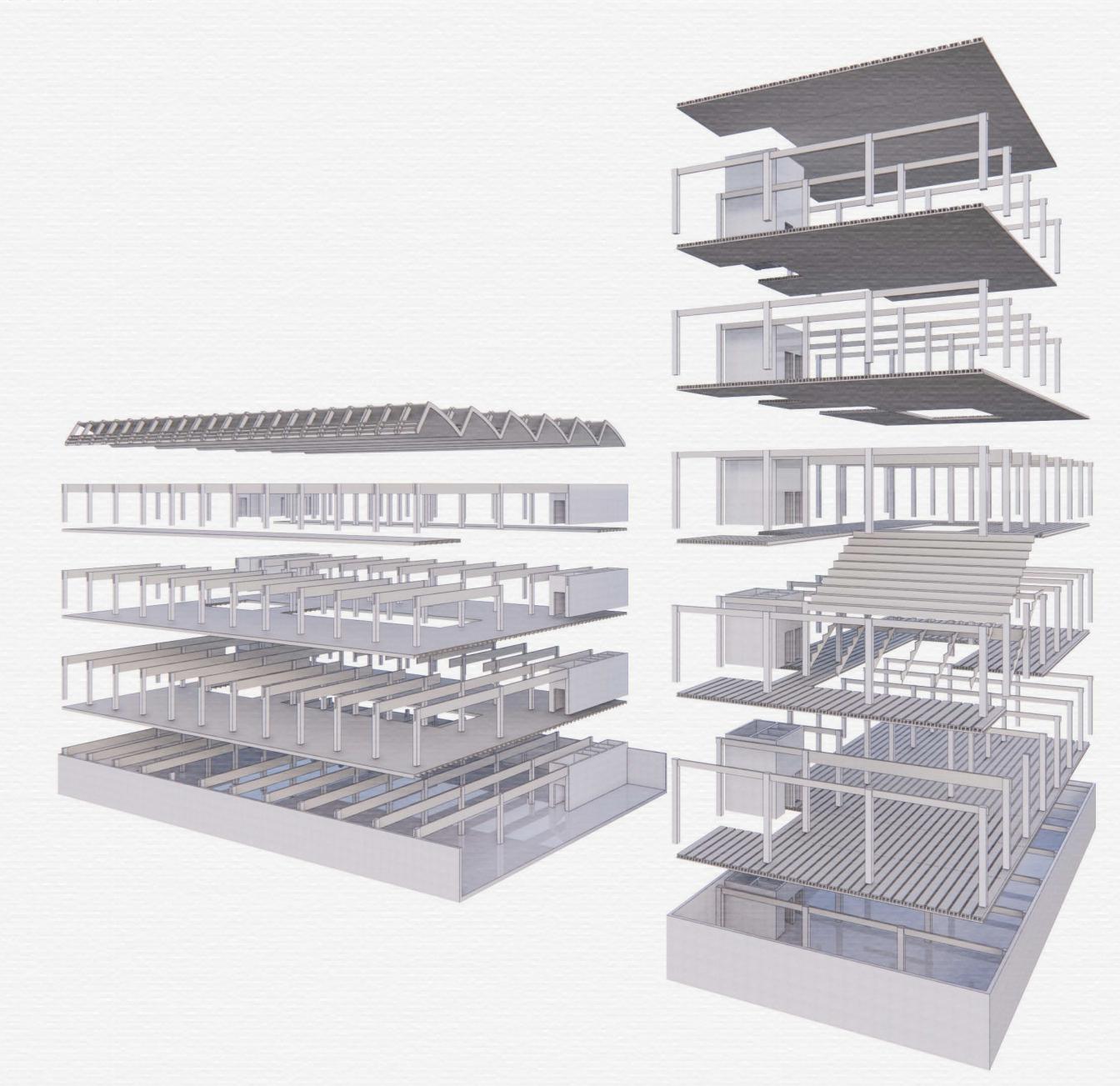


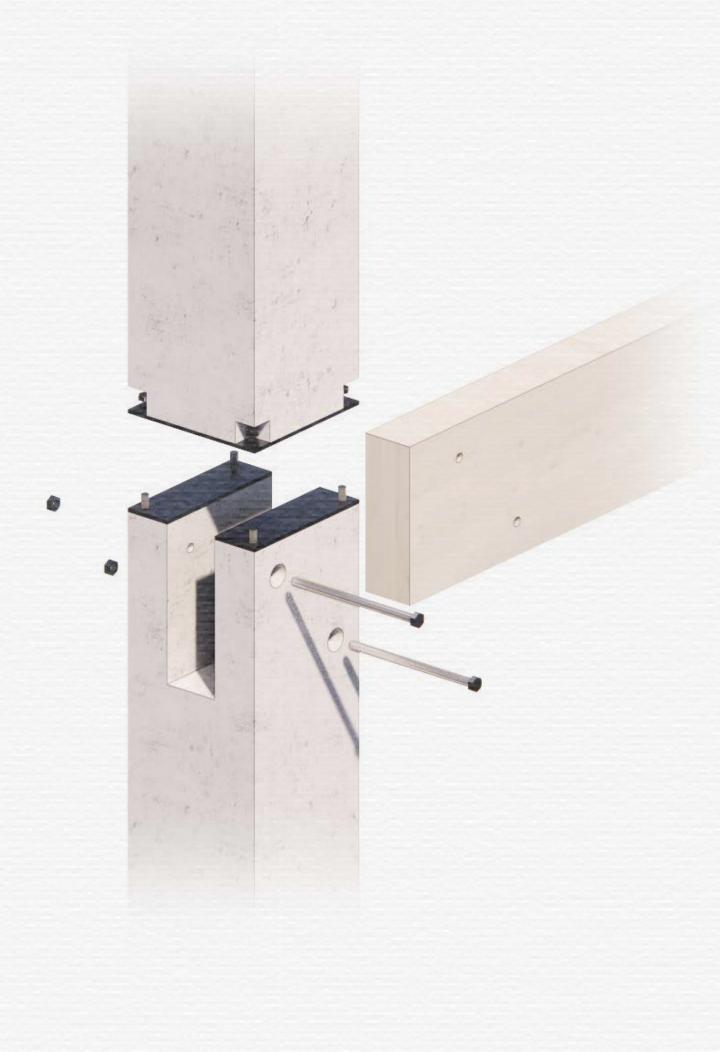




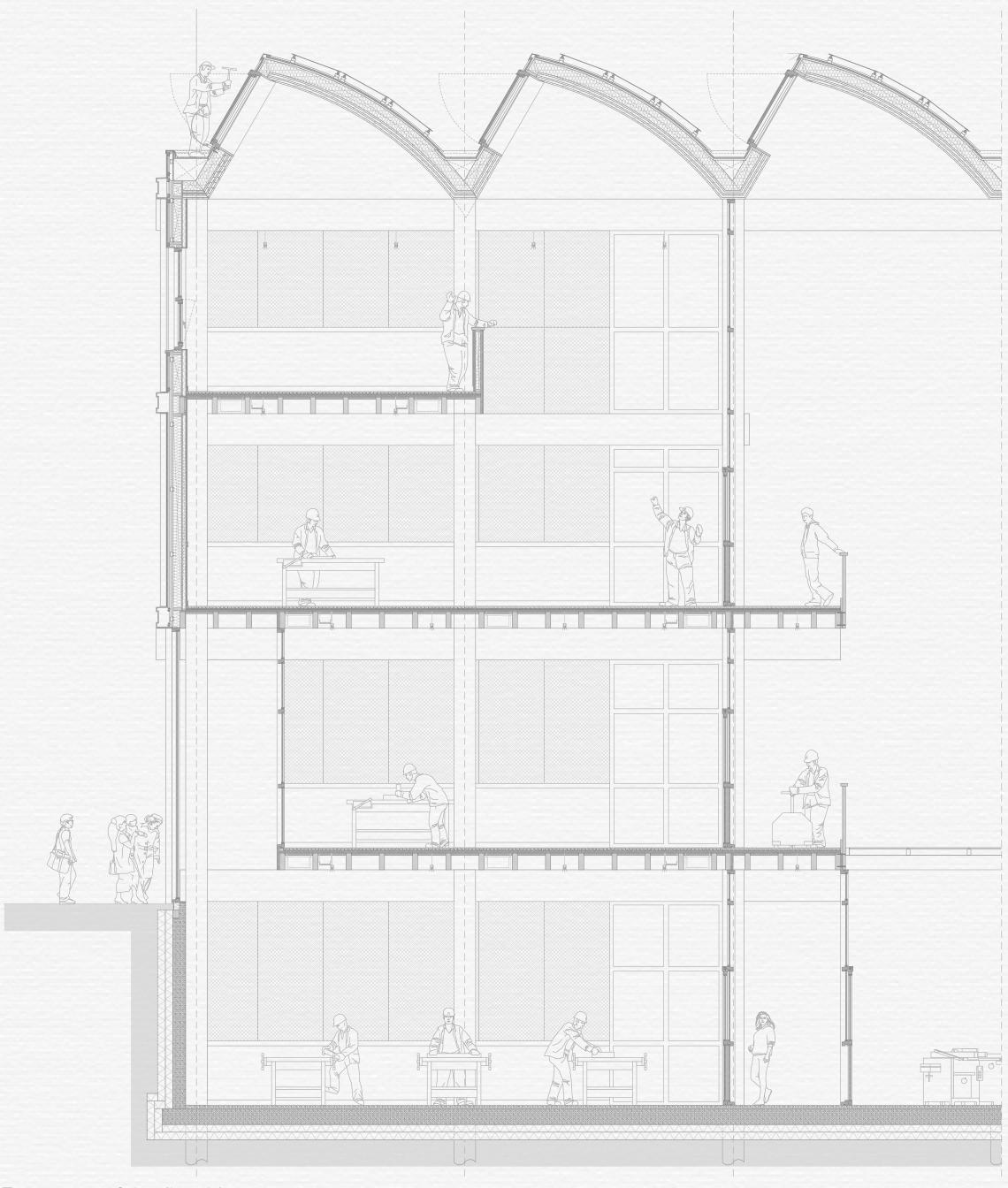
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Construction

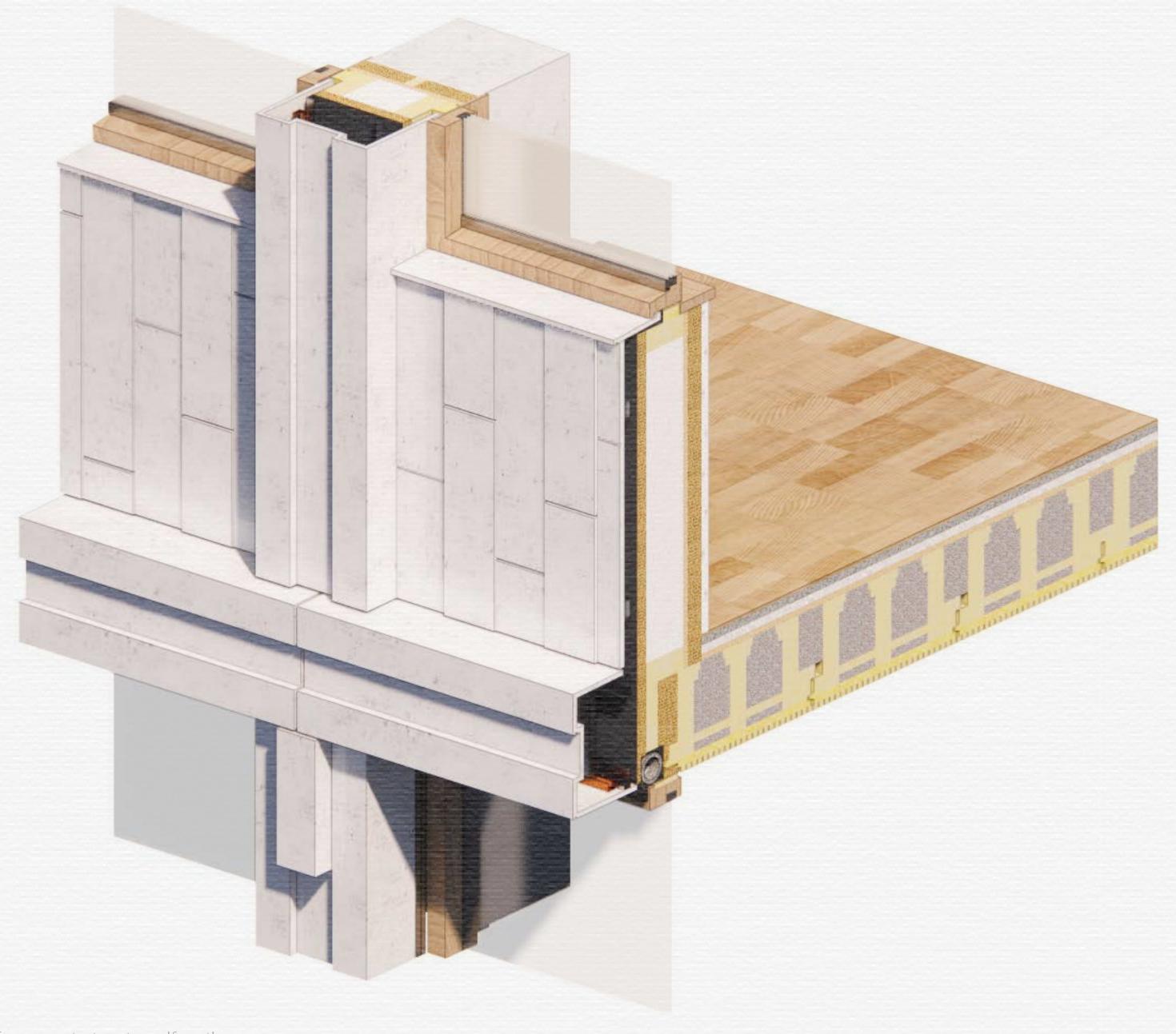




Fragment

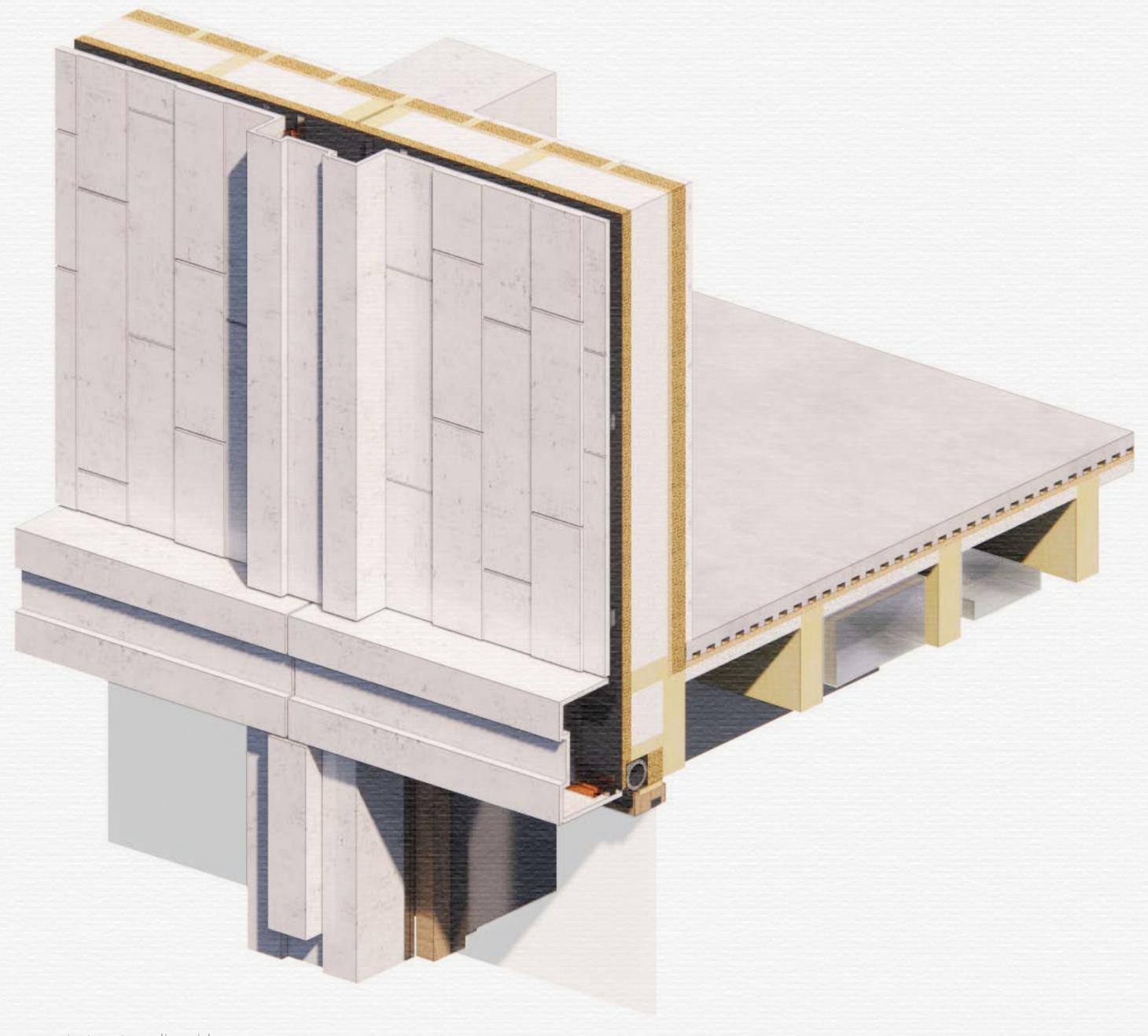


Facade - 'front'



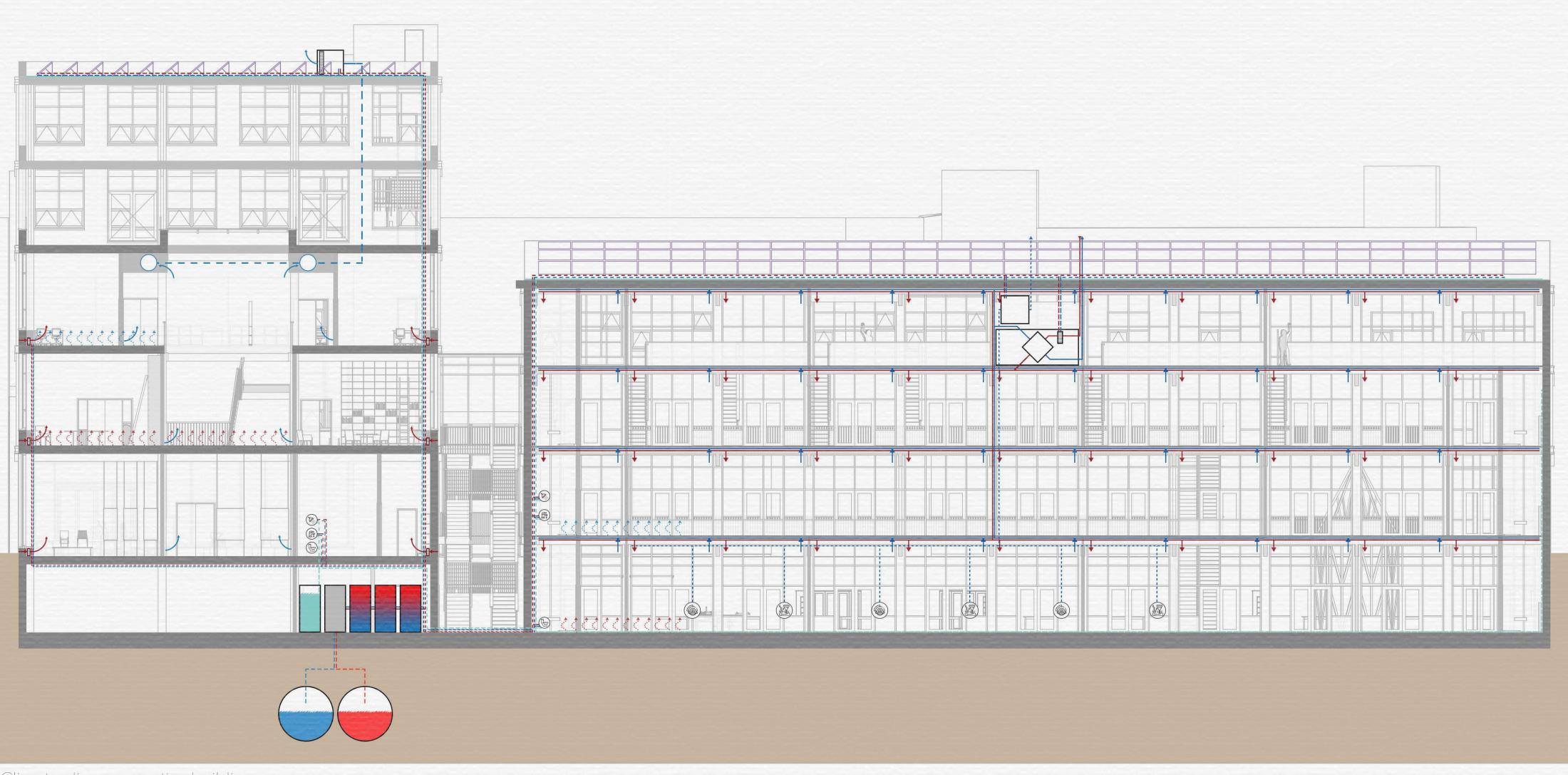
Fragment structure 'front'

Facade - 'back'

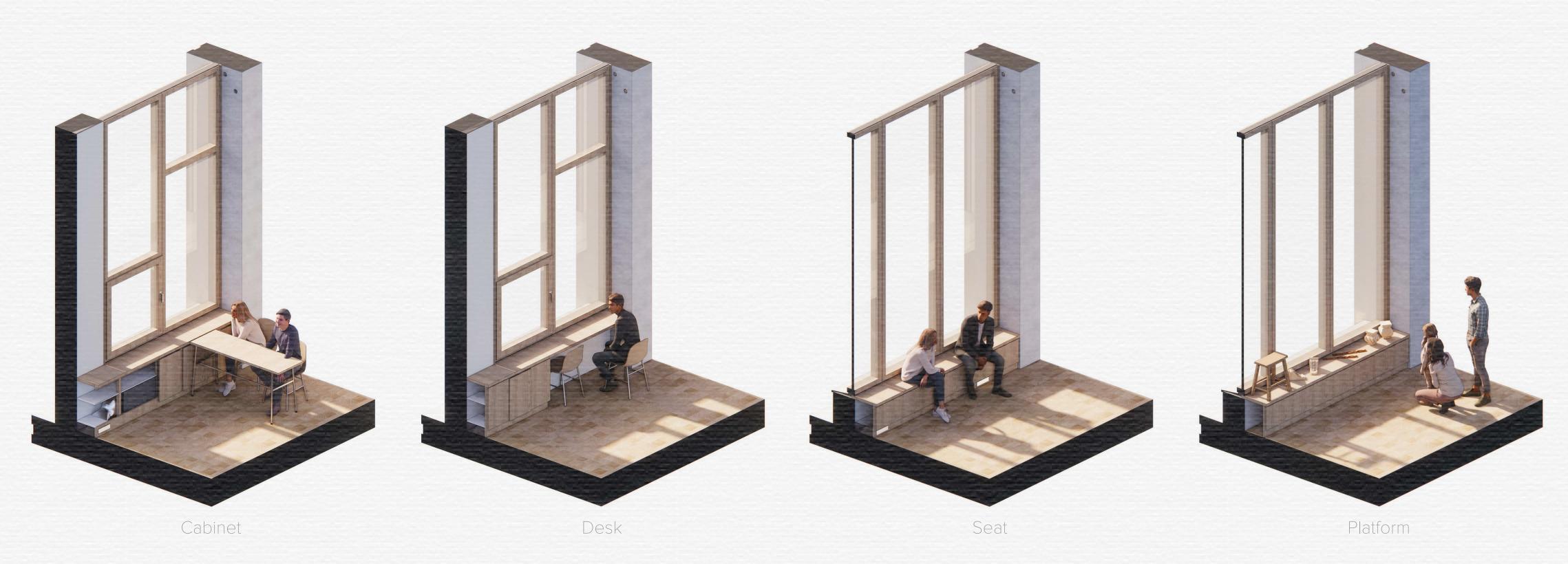


Fragment structure 'back'

Climate



Climate & Architecture





Ventilation supply unit

