THE GLASS SCHOOL

URBAN ARCHITECTURE FINAL PRESENTATION

Robert Roohé 28 January 2021

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THE LOCATION



Gasthuisplaats

Connection to the city and make glass approachable

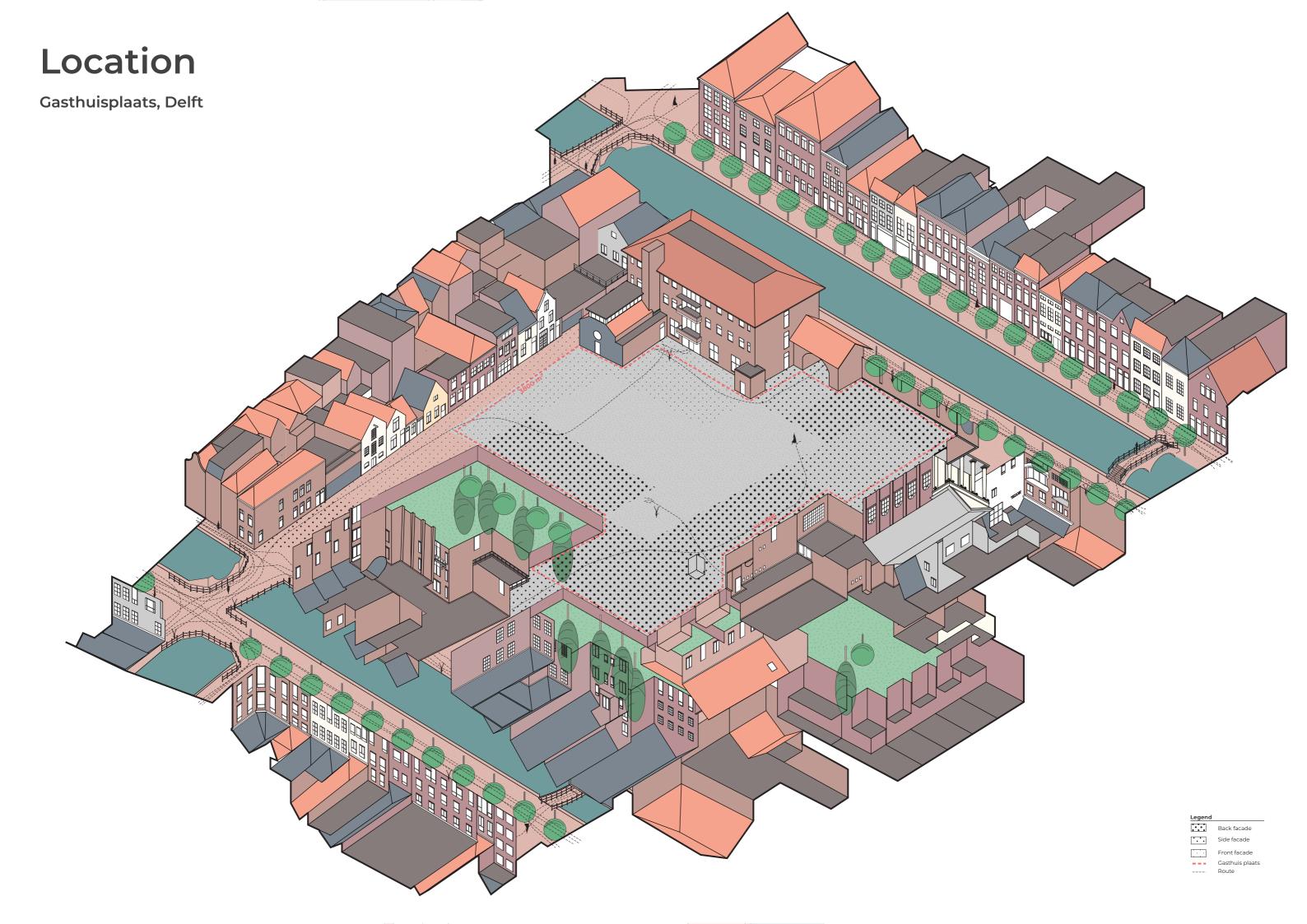


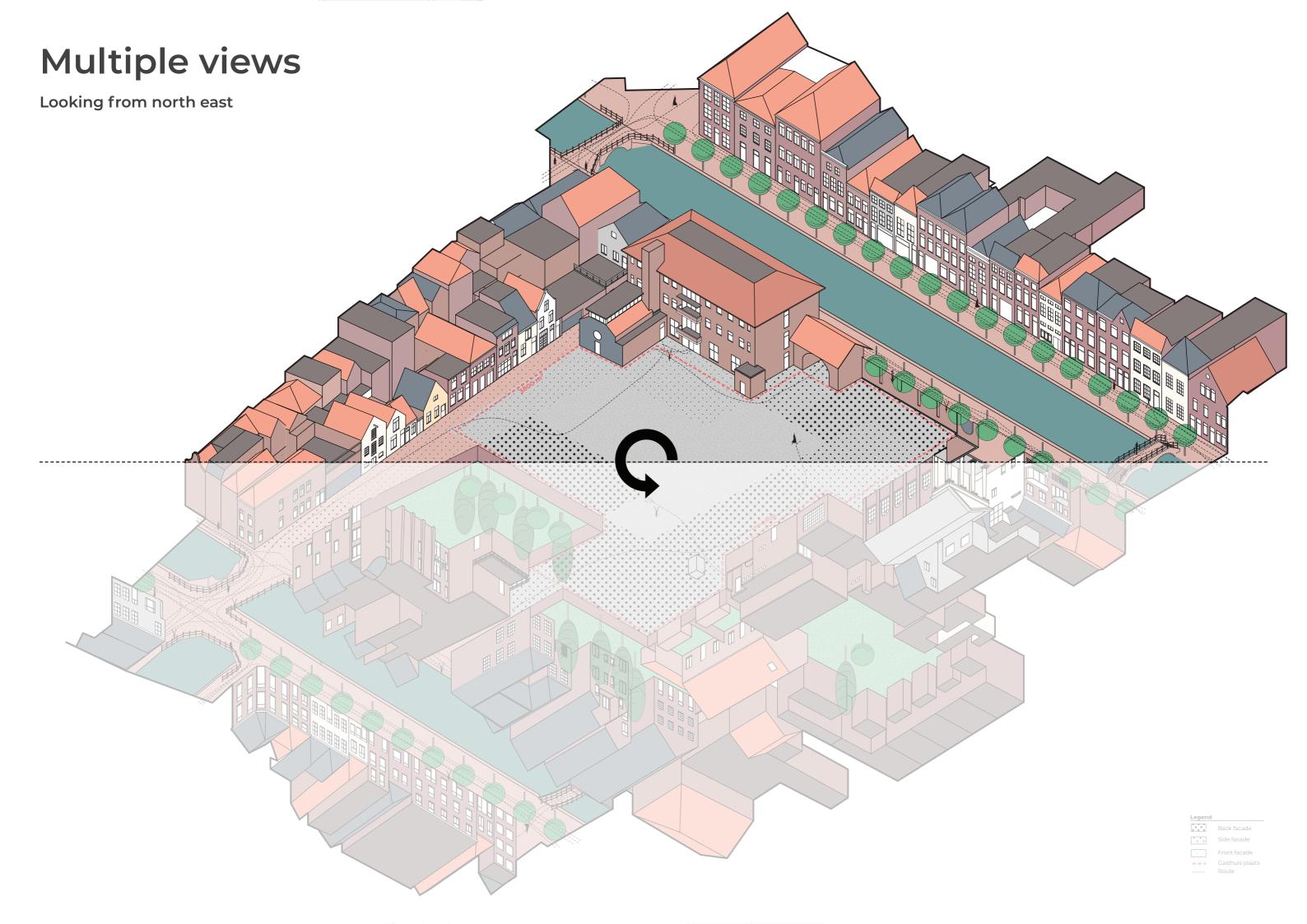
View from the Koornmarkt

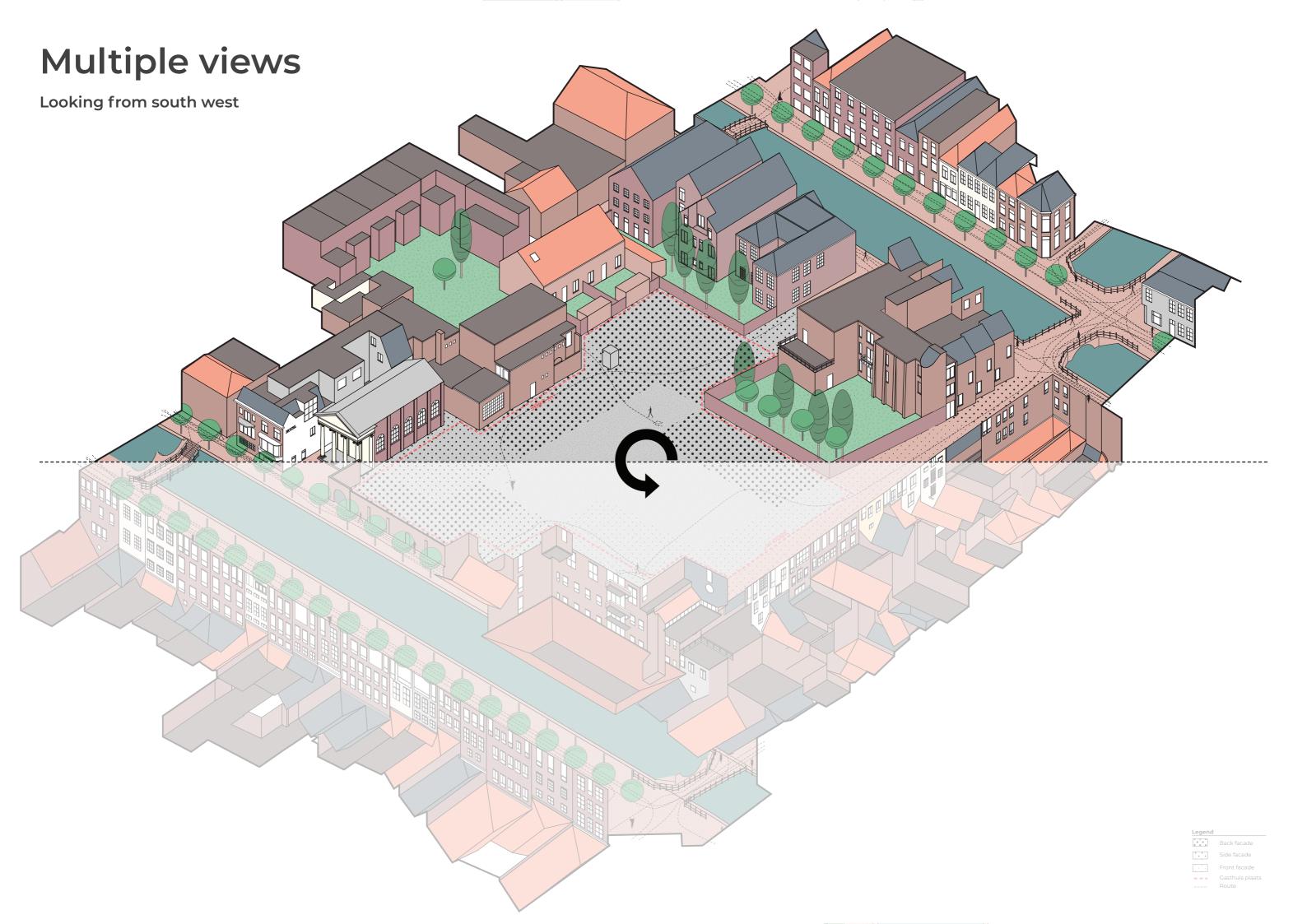


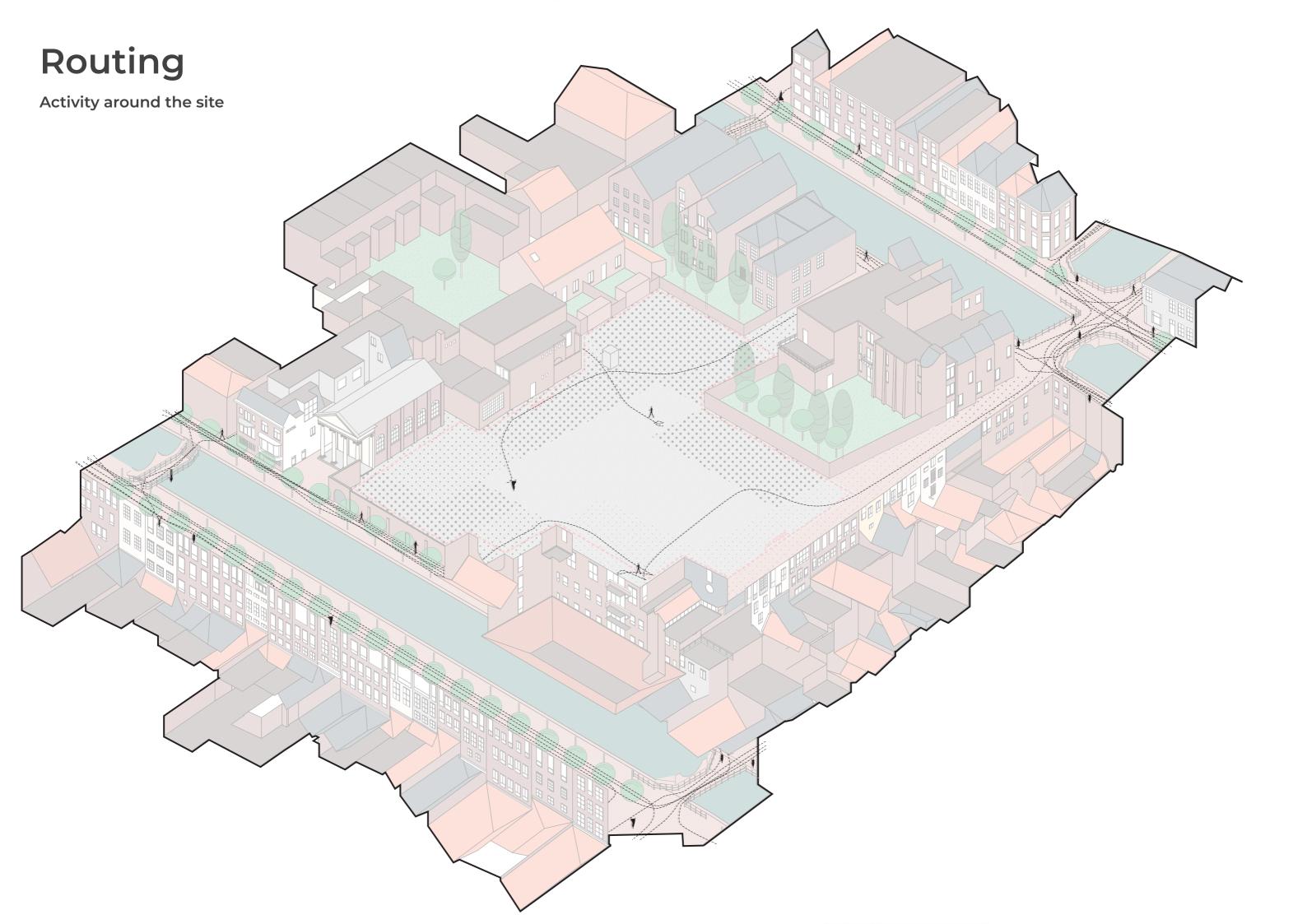
View inside Gasthuisplaats

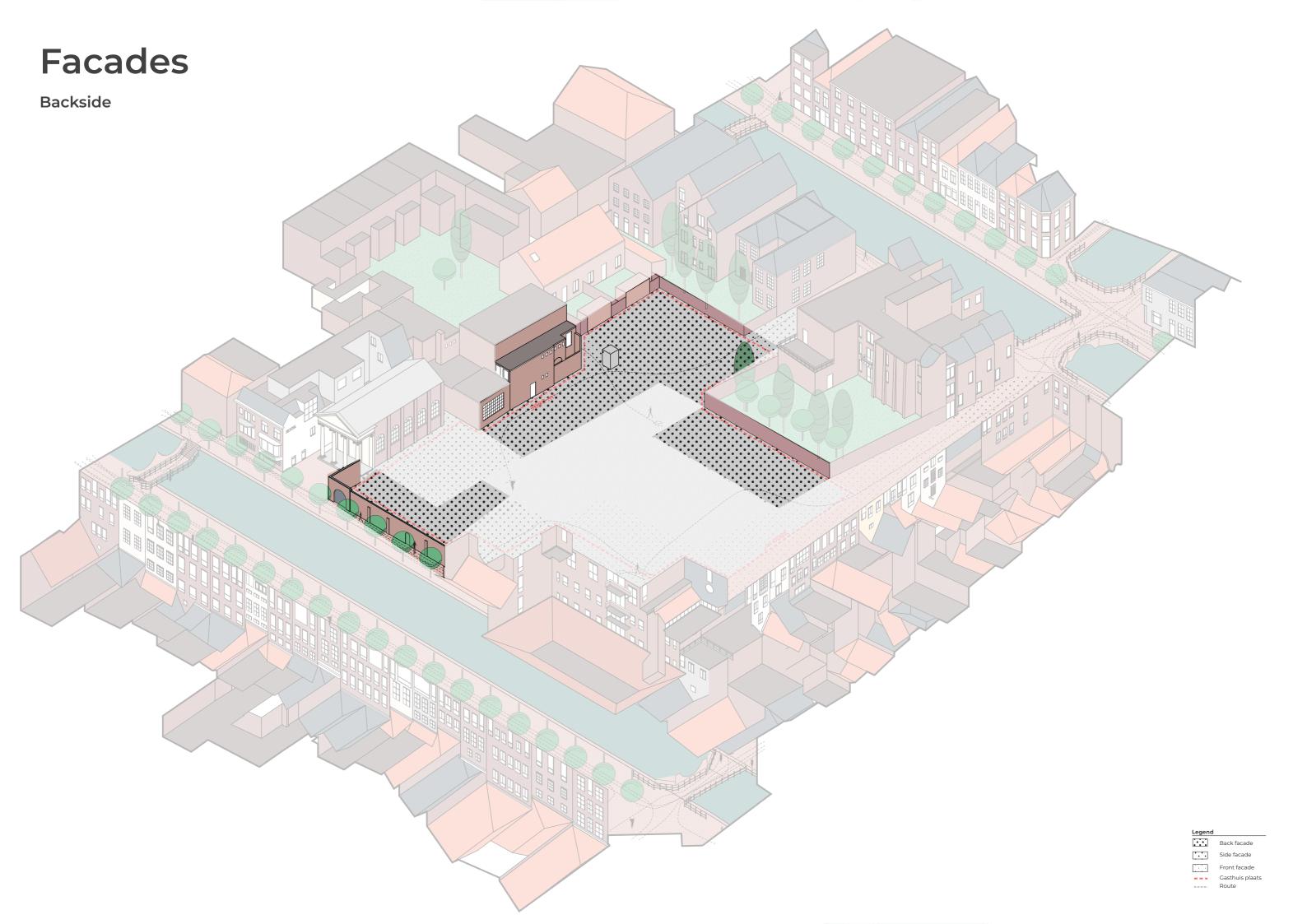


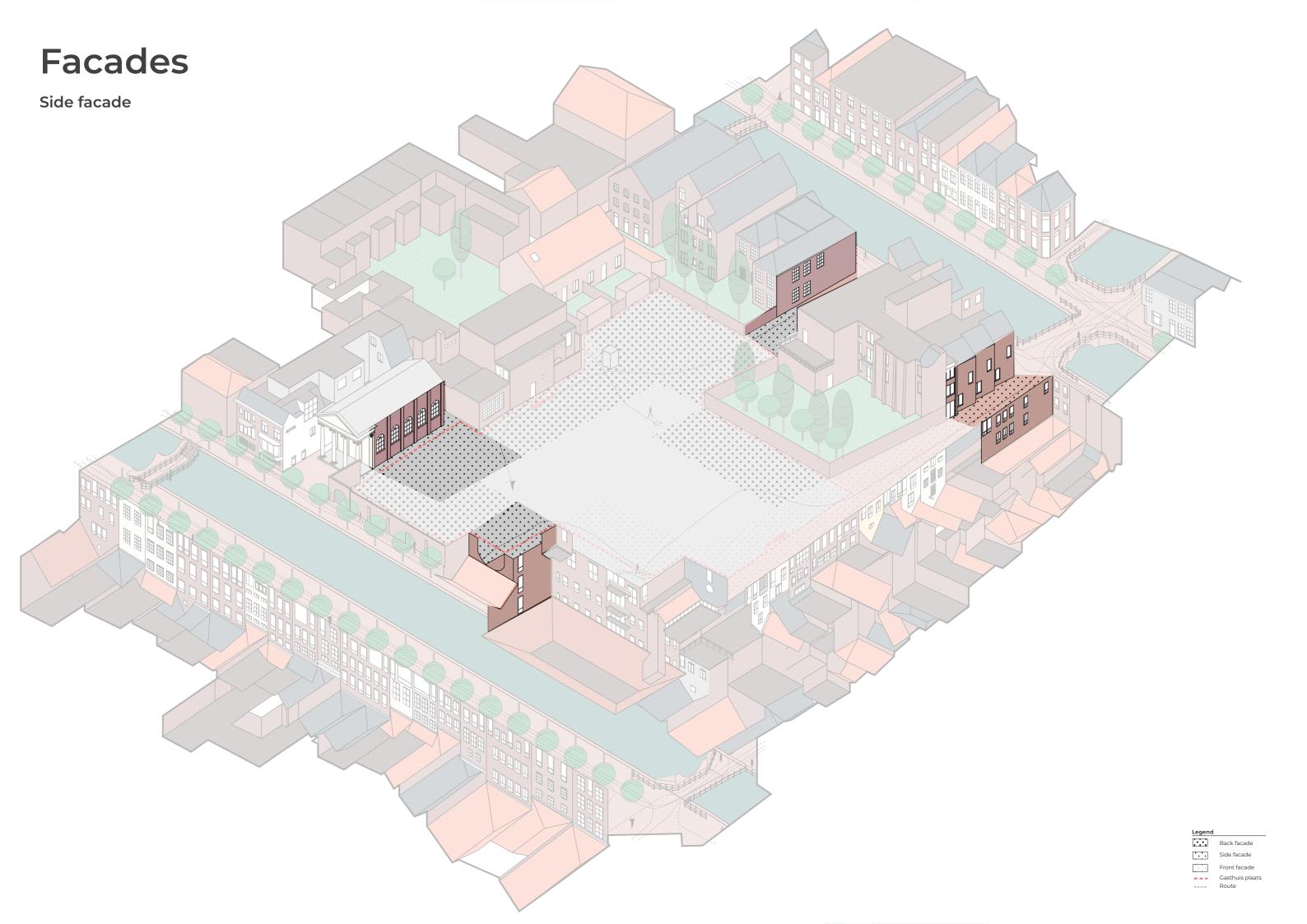


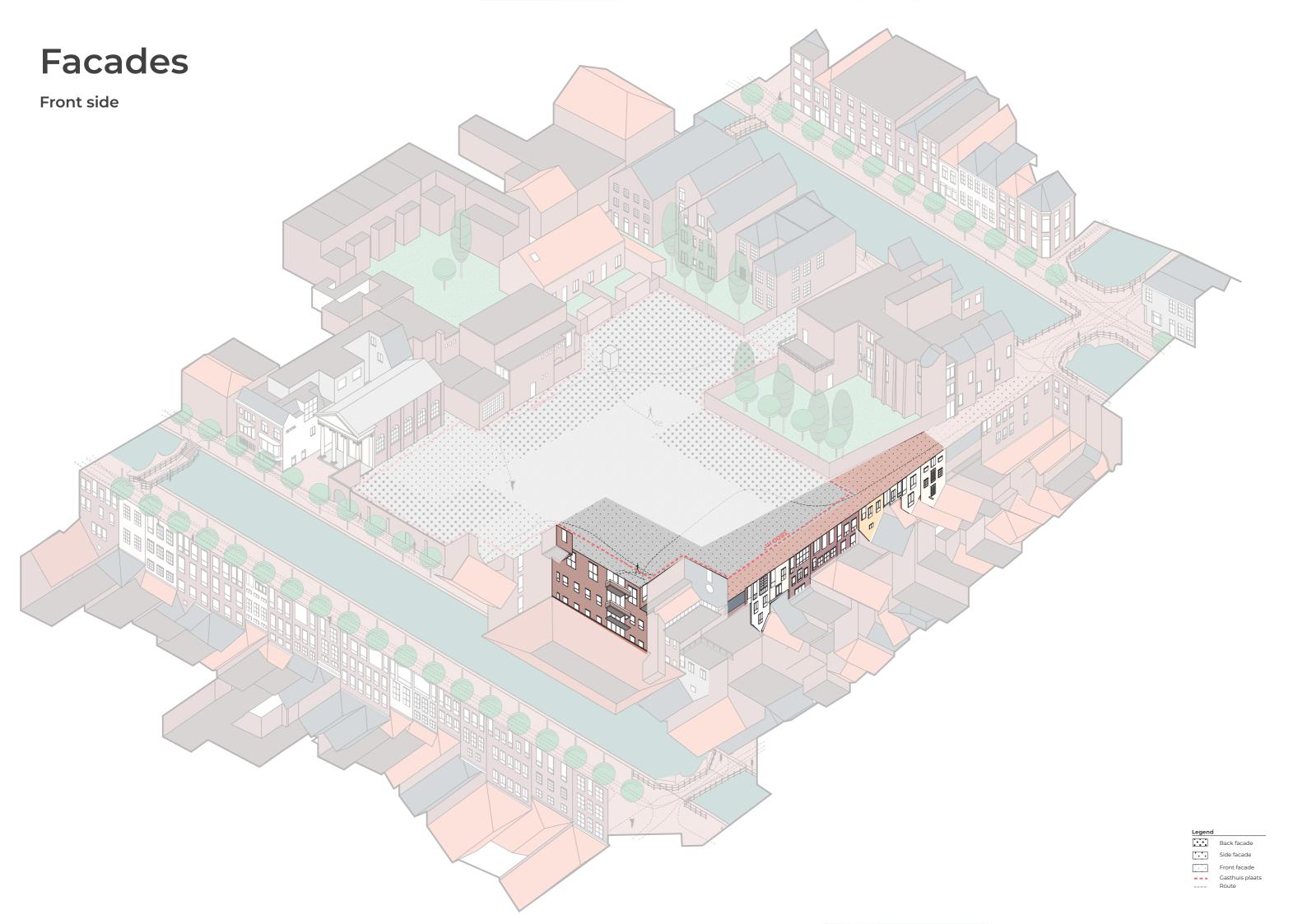














Potentials and limitations

Gasthuisplaats can function as an oasis in the city for culture and craft

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Creating a community where the school functions as the main workshop space

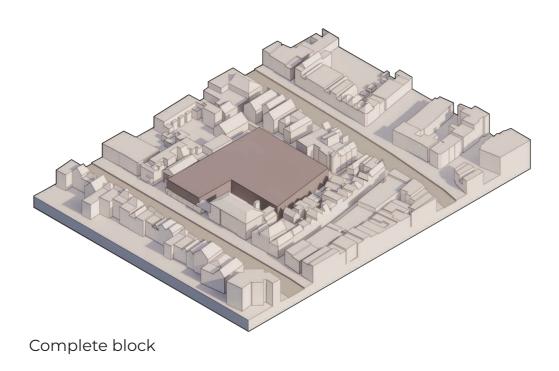
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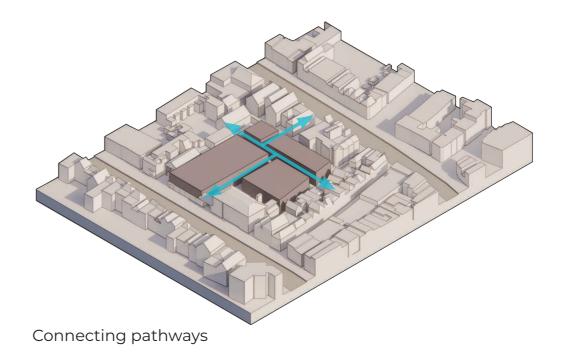
Create places with different qualities

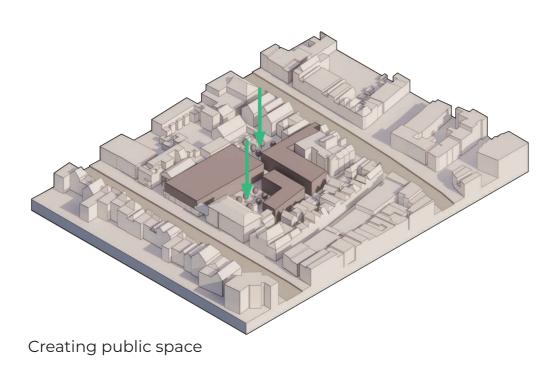
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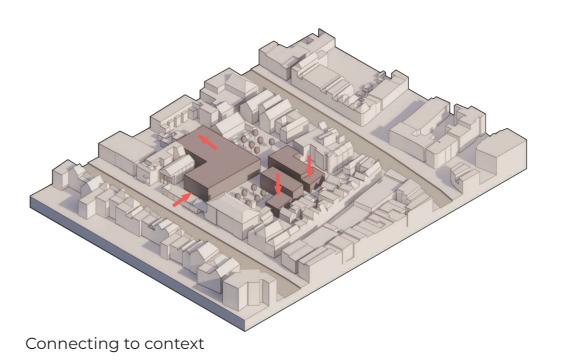
Connecting the gasthuisplaats to its surrounding

Masterplan concept

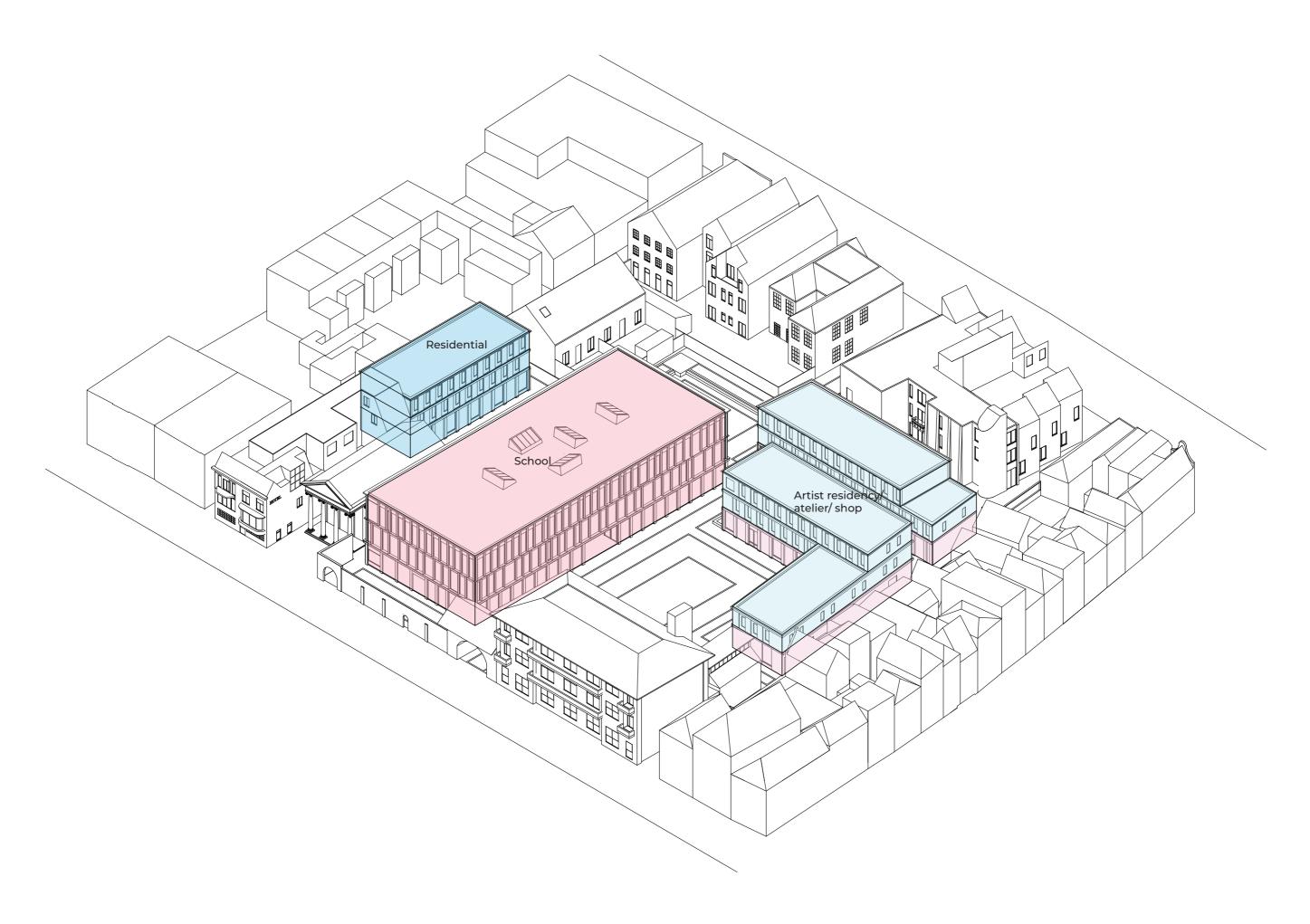






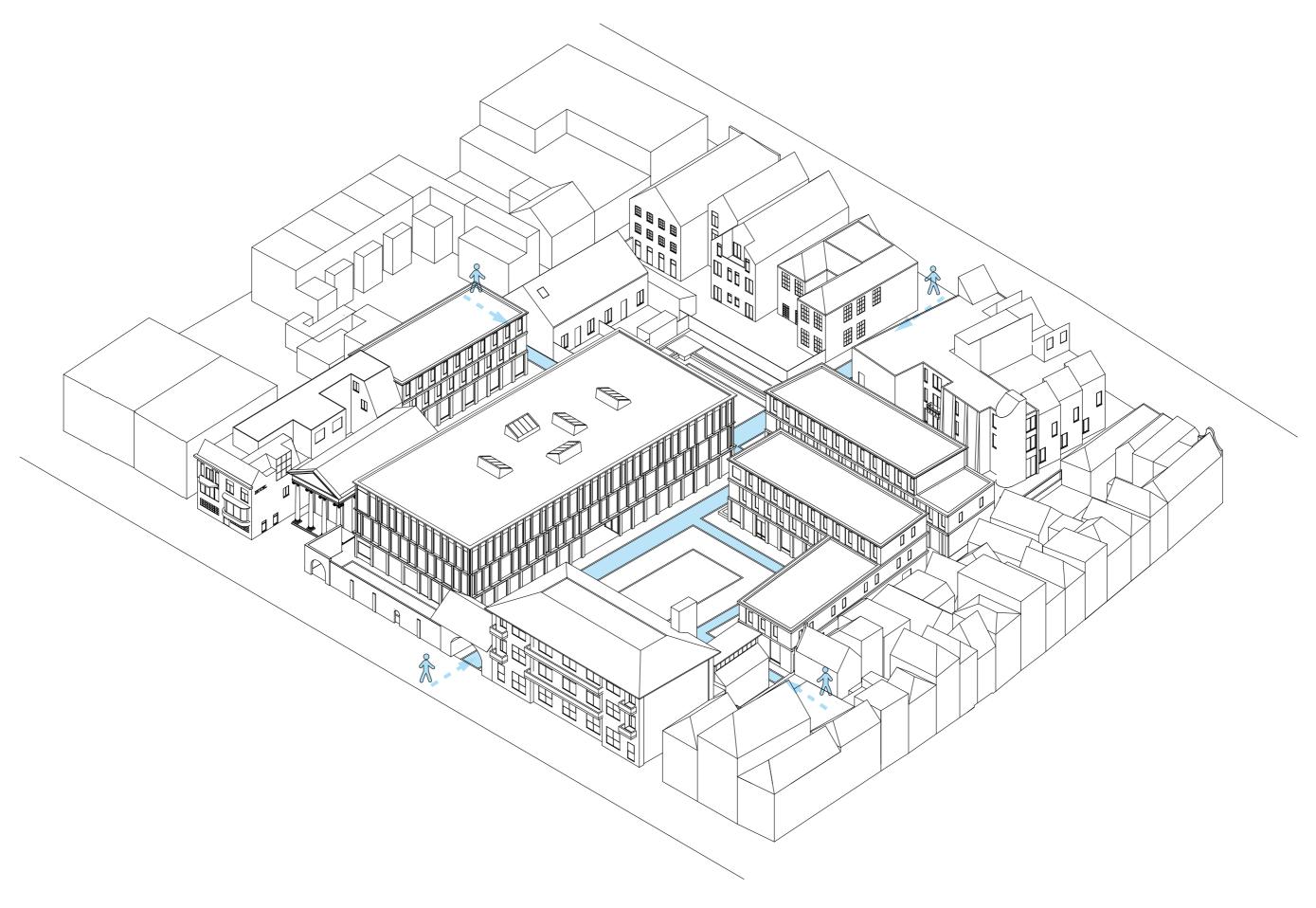


Program location



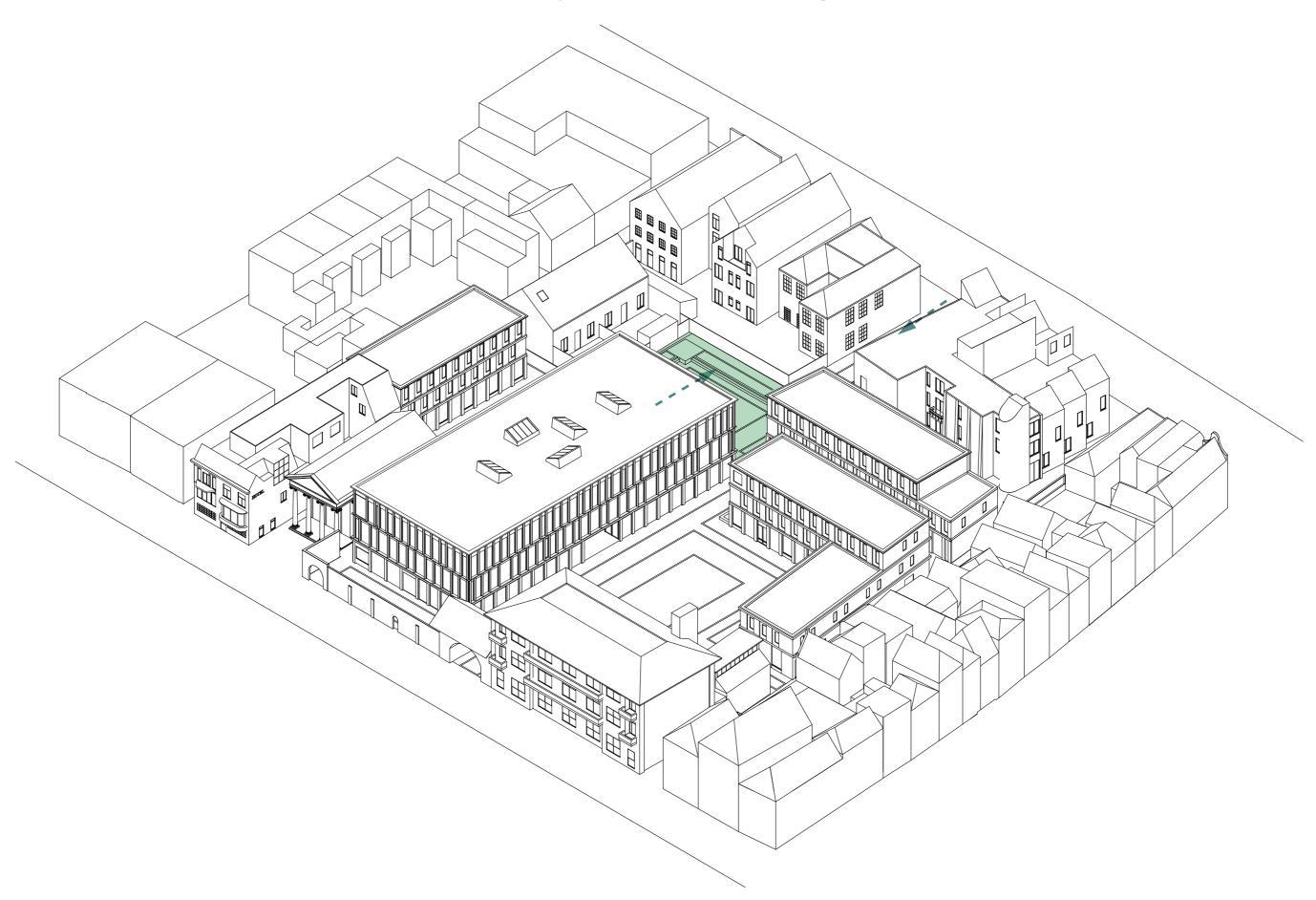
Routing

Exploration route



Terrace

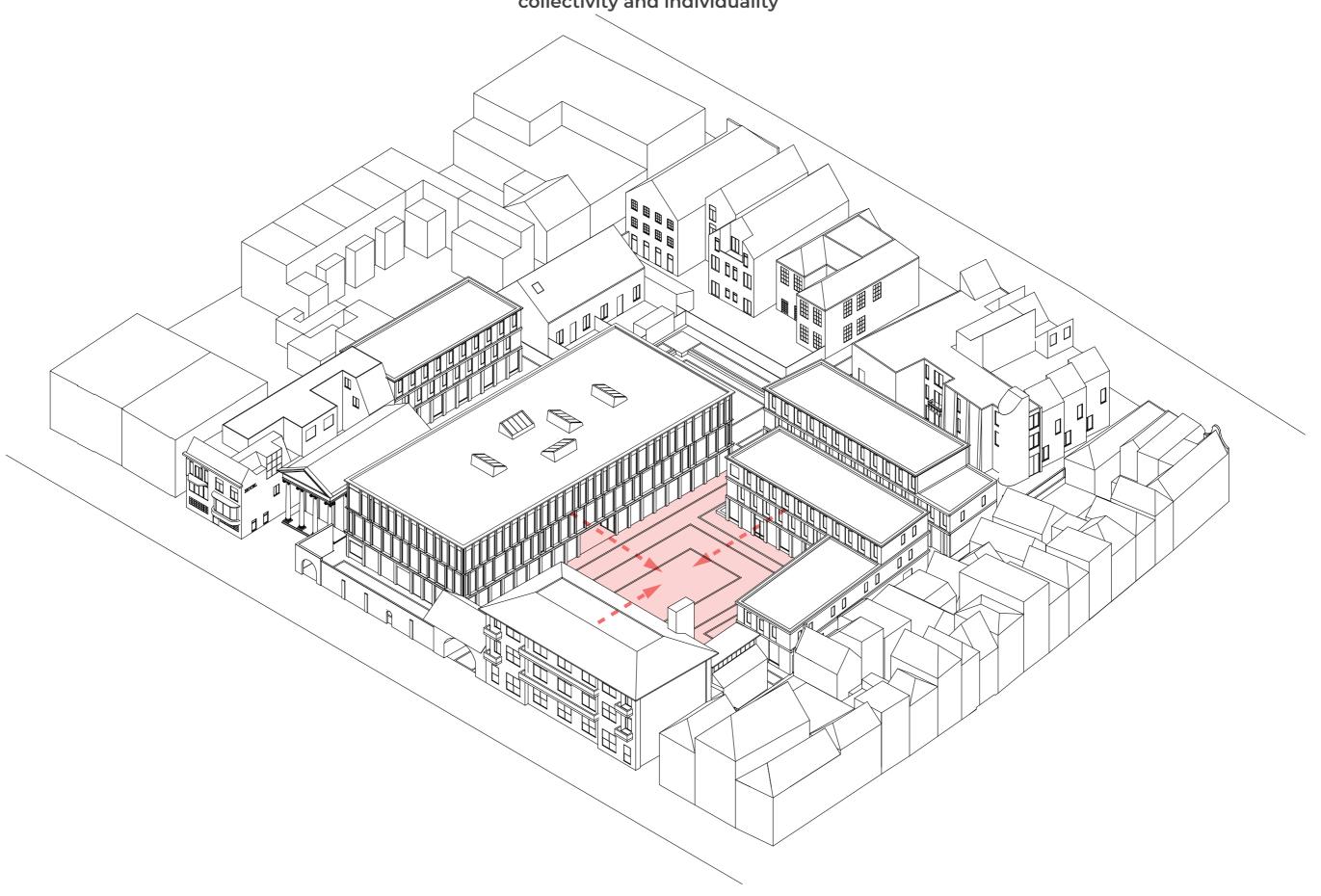
Informal space in-between the buildings





Hofje

Oasis in the city, creates a coherent whole for collectivity and individuality







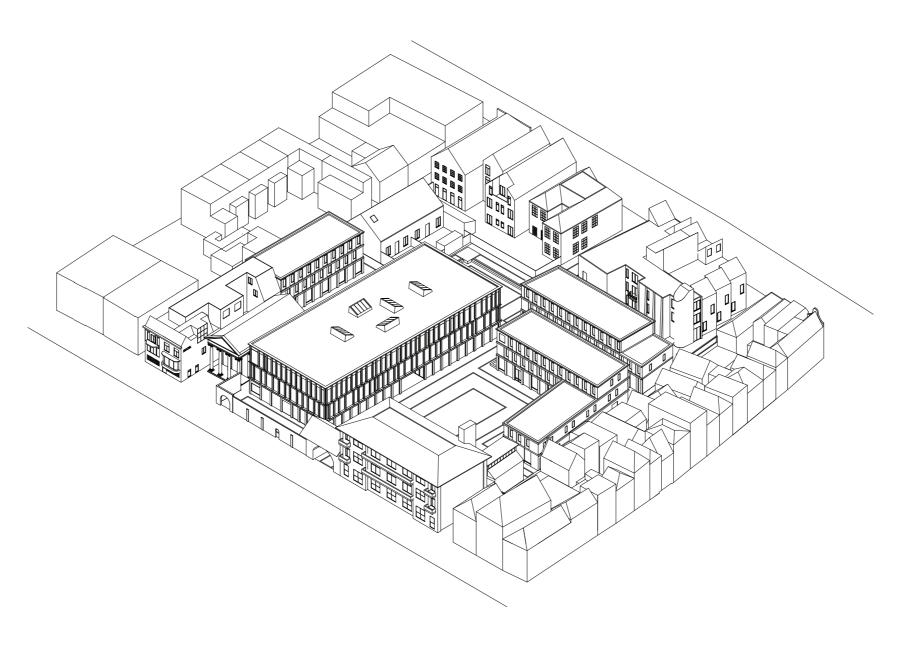








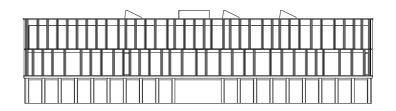
Stratifying and stitching the urban layers



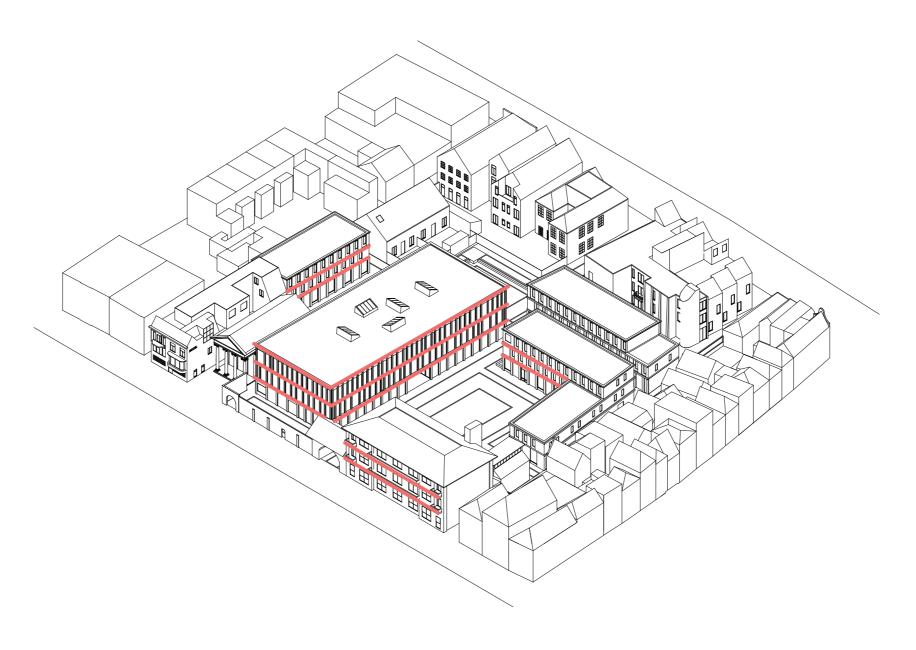








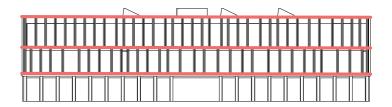
Horizontal lines



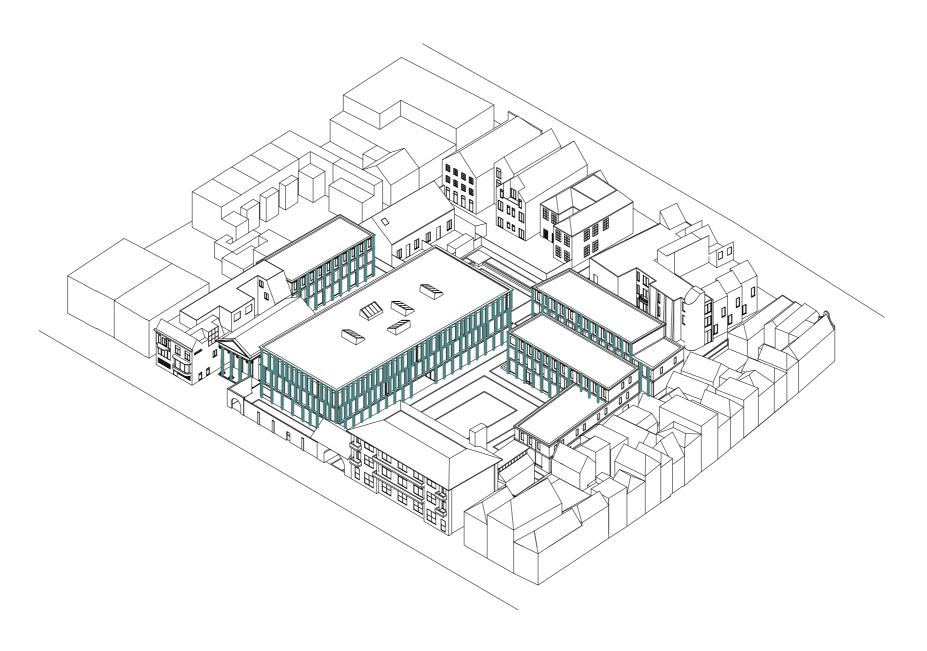








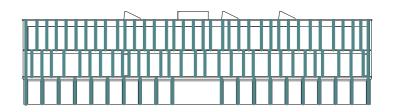
Vertical lines



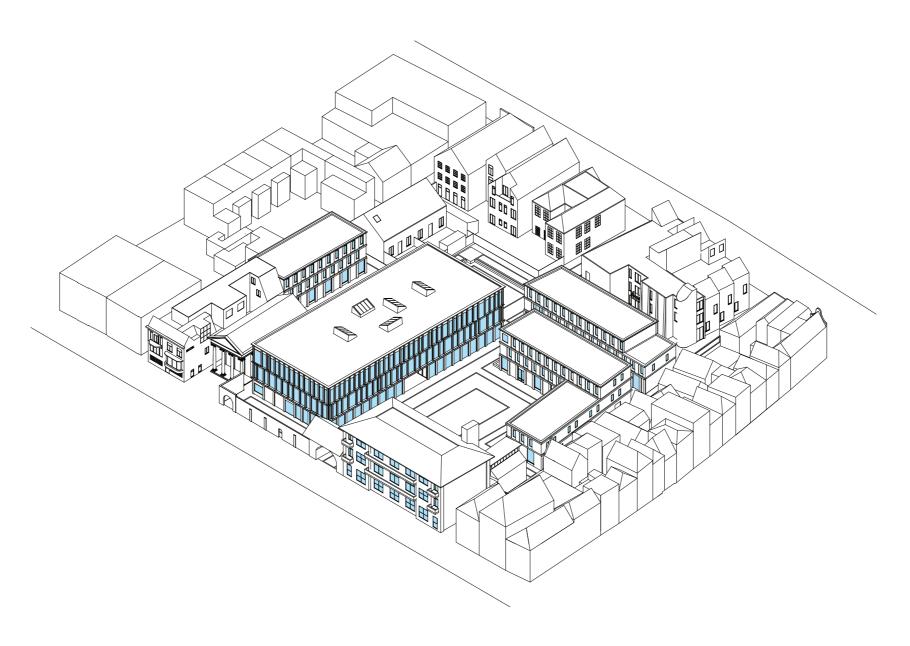








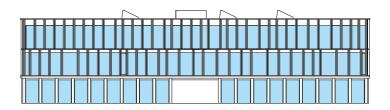
Cascading windows





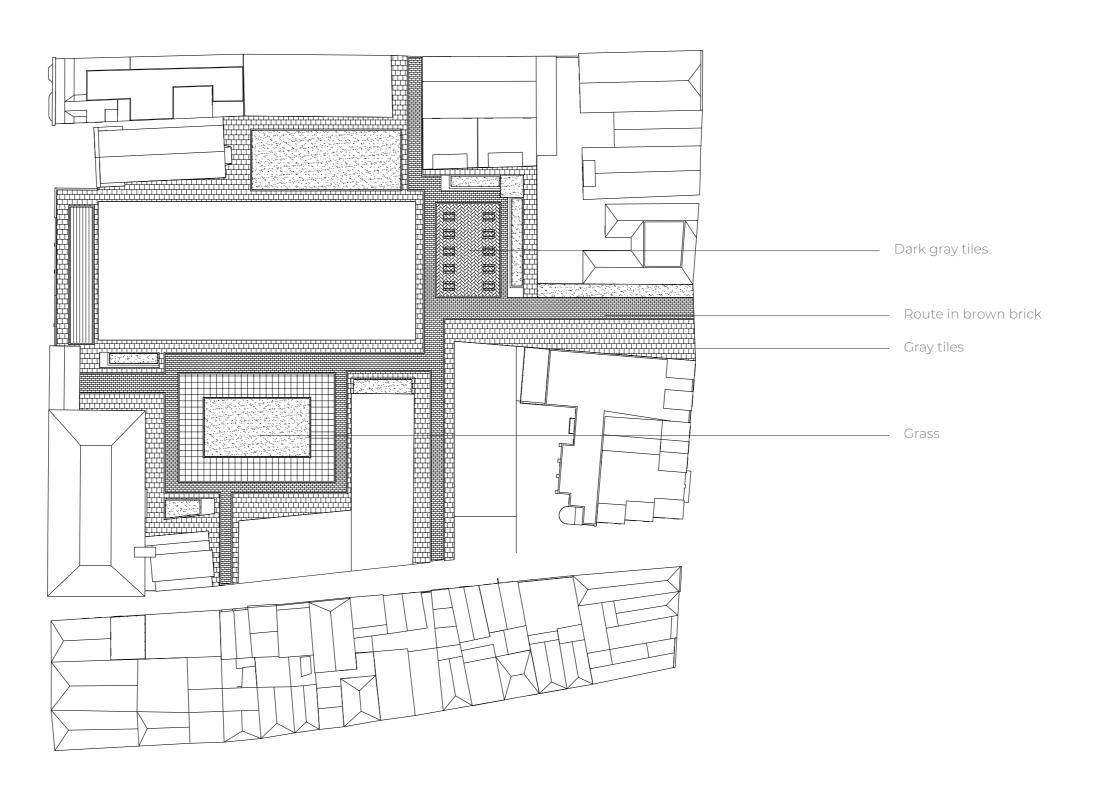






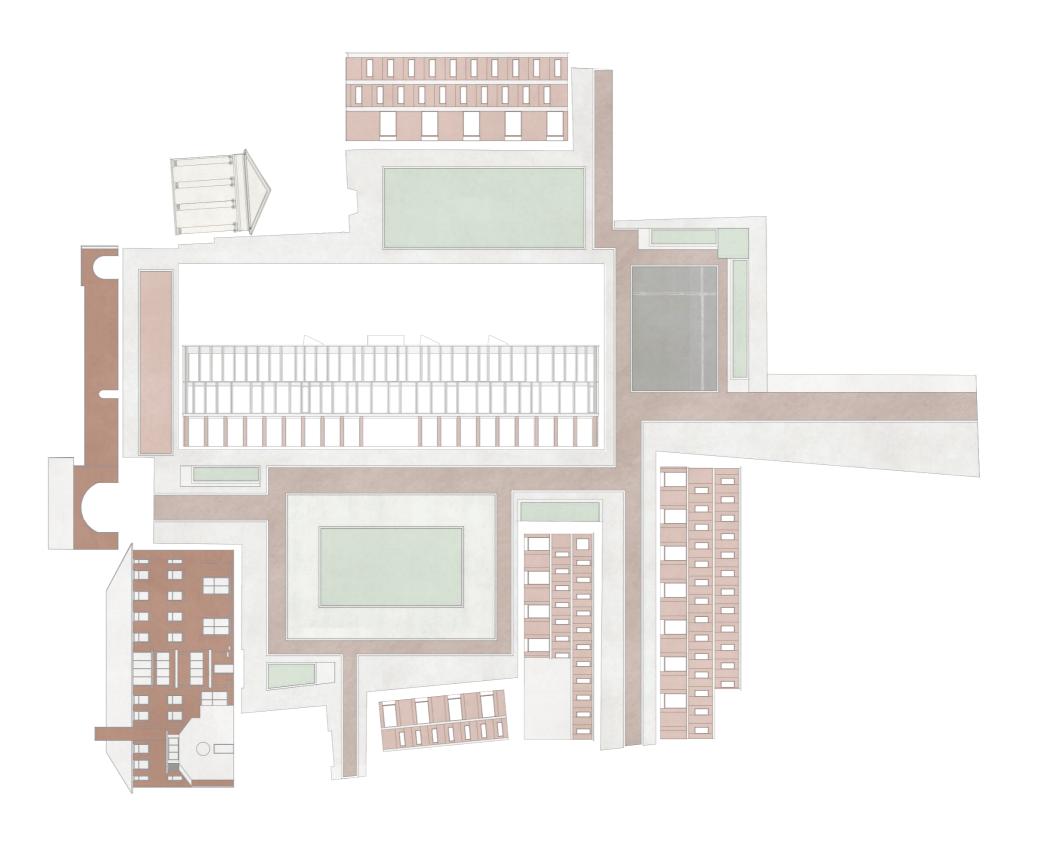
Pavement

Patchwork of materials to create places with different qualities



Material study

Color pallet of the new Gasthuisplaats



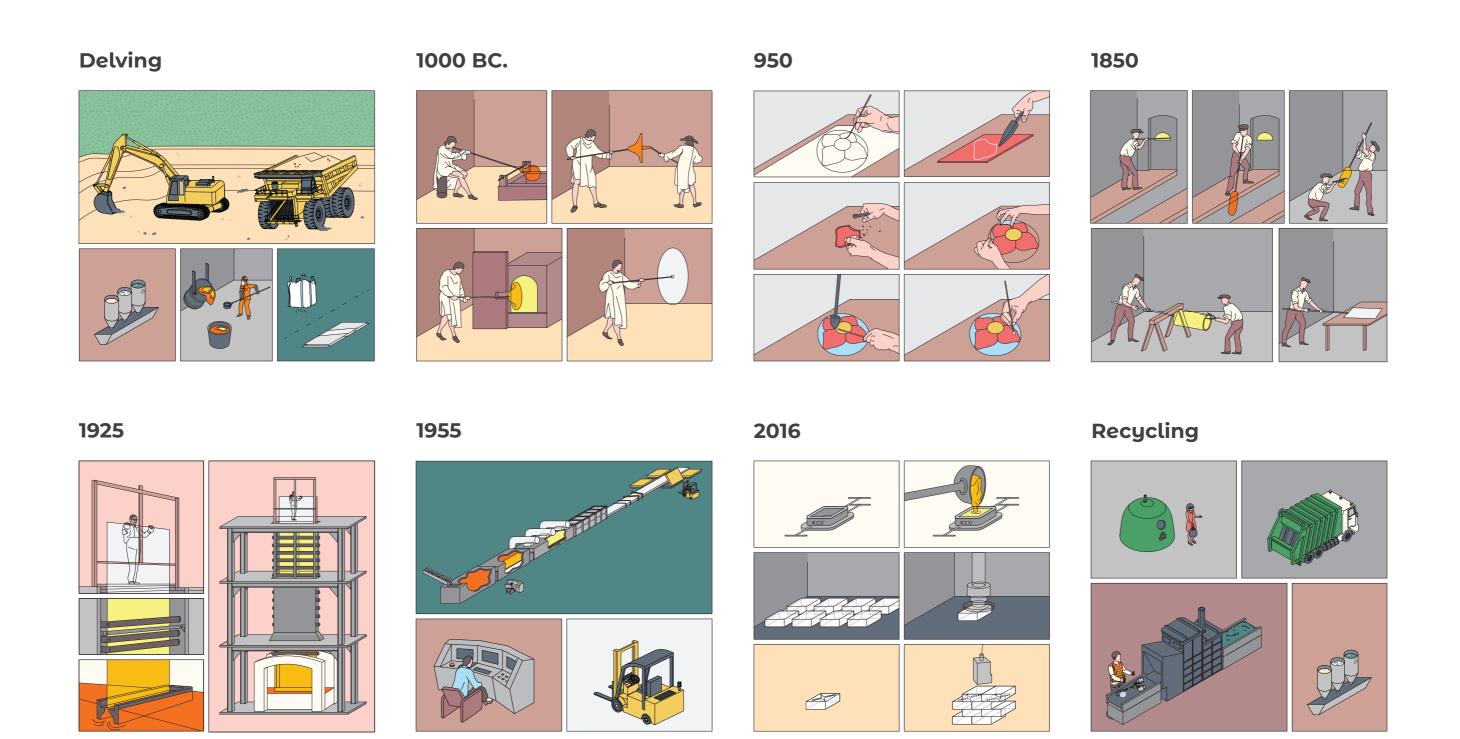


THE MATERIAL



Translucent glass to stimulate interacton

History of the activities



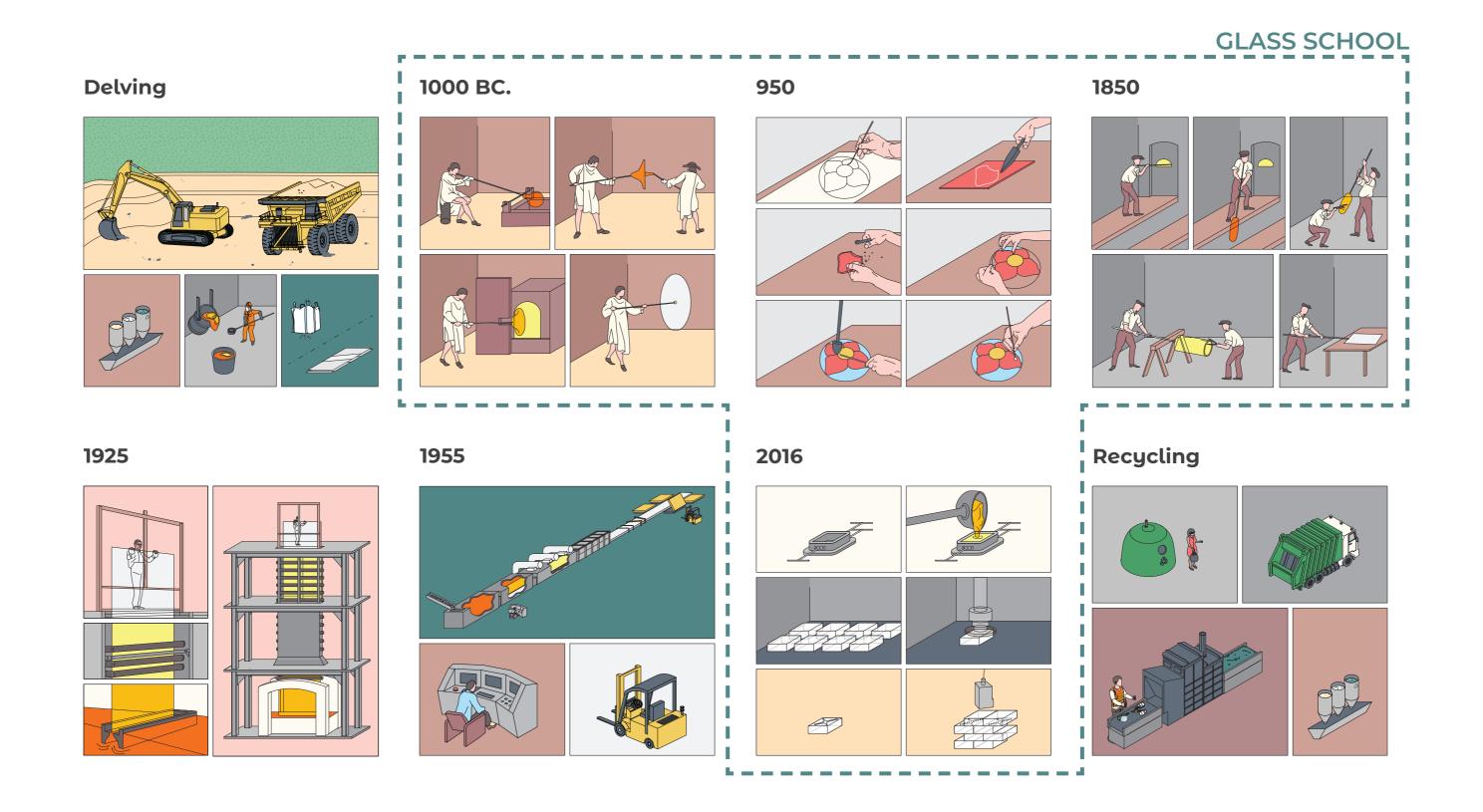
Modern/classical

The change in time

CLASSICAL Delving 1000 BC. 950 1850 Recycling 1925 1955 2016

MODERN

Focus of the glass school

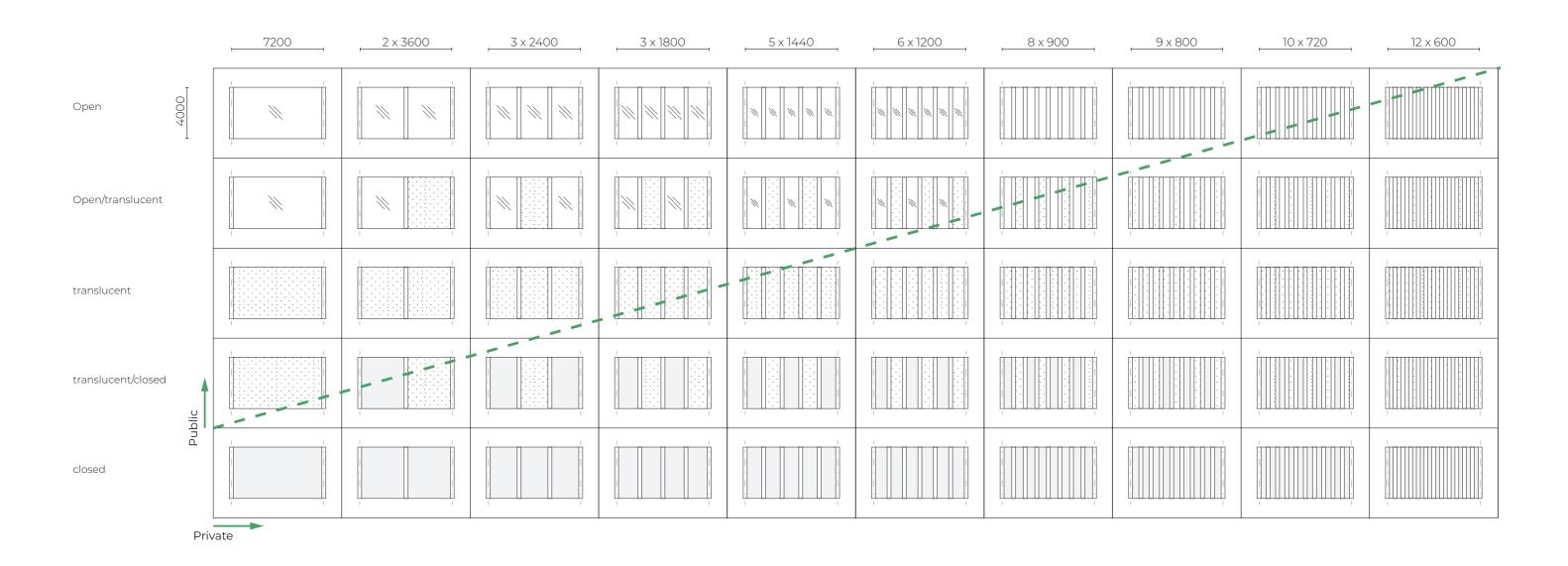


Facade

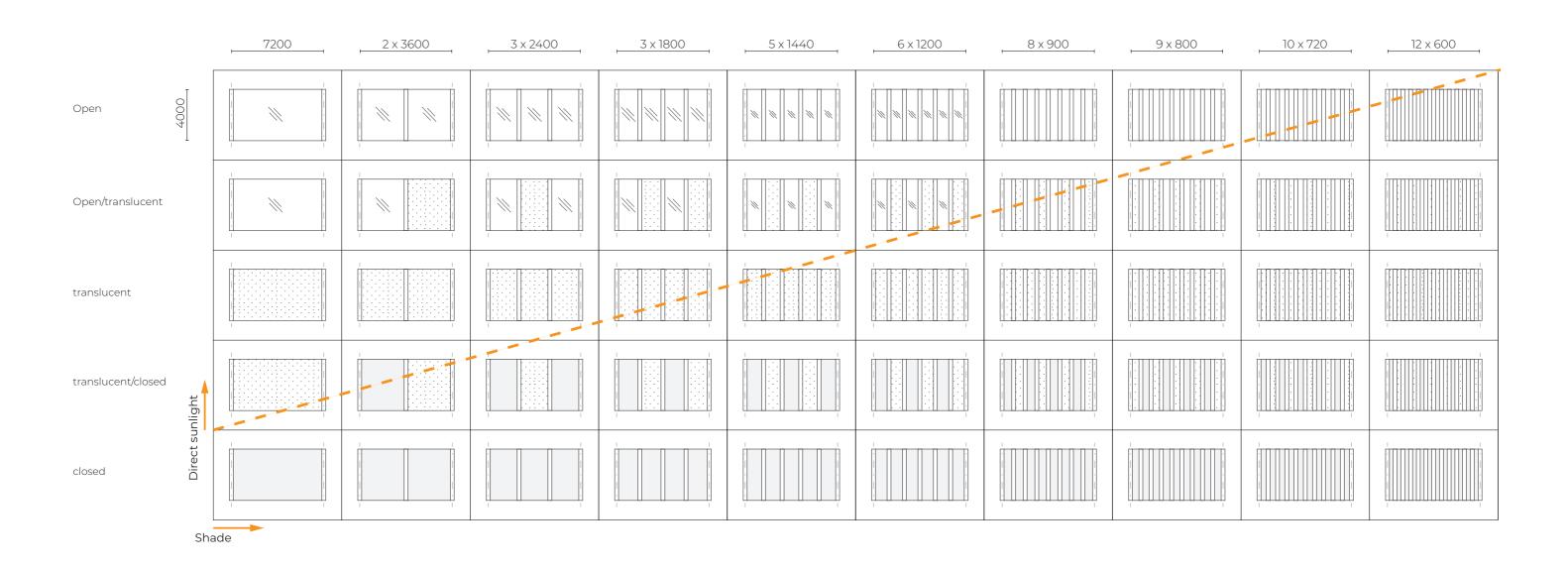
Rhythm in the facade

	7200	2 x 3600	3 x 2400	3 x 1800	5 x 1440	6 x 1200	8 x 900	9 x 800	10 x 720	12 x 600
Open 0004										
Open/translucent										
translucent										
translucent/closed										
closed										

Facade Public/Private



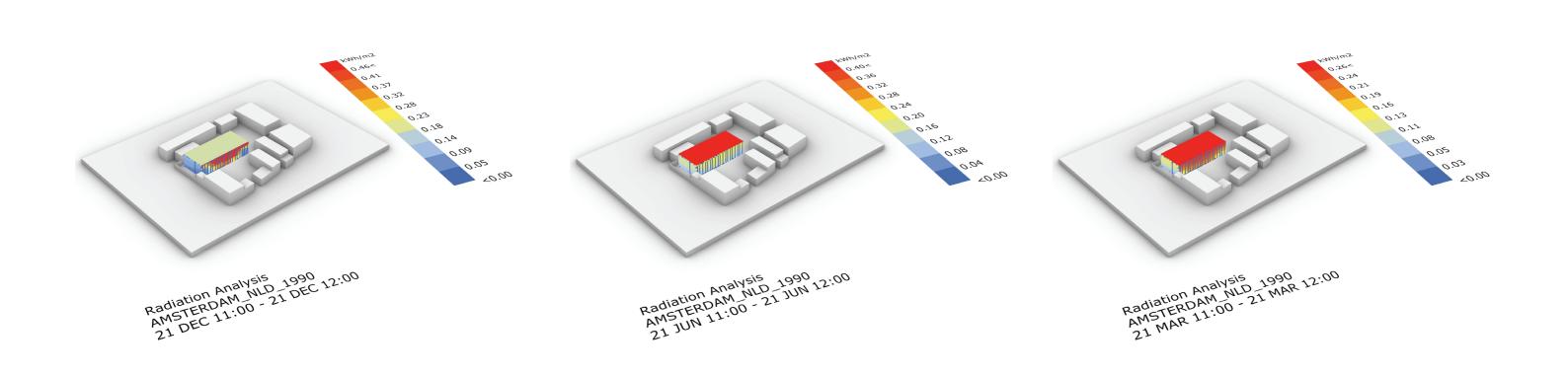
Facade Sun intensity



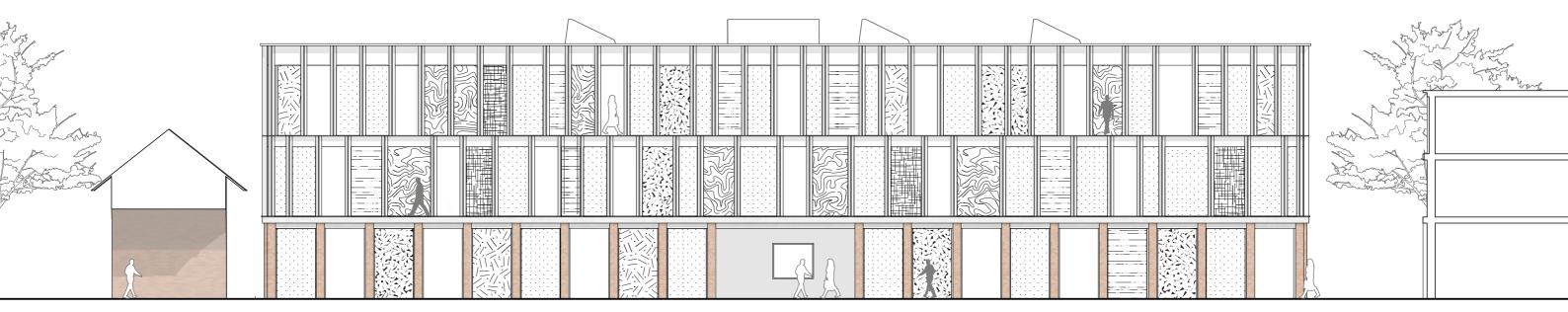
Facade on levels



Solar study

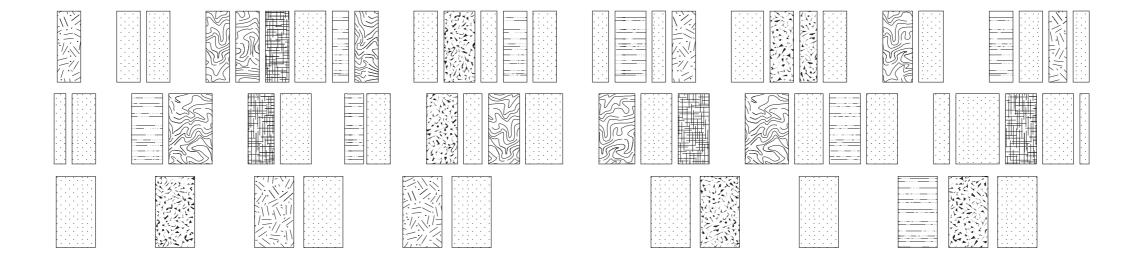


South facade



South facade

Each panel shows a different patter that represents a crafting method

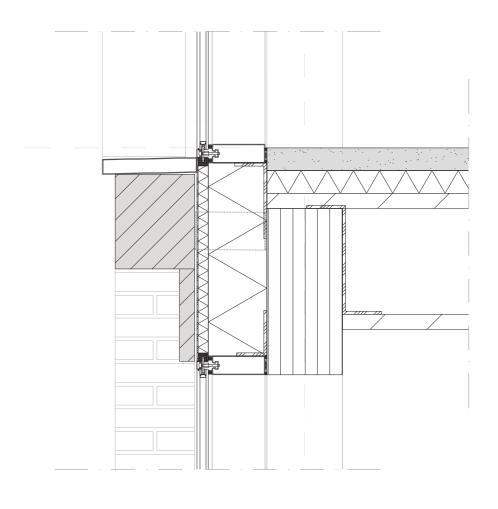


Facade close up



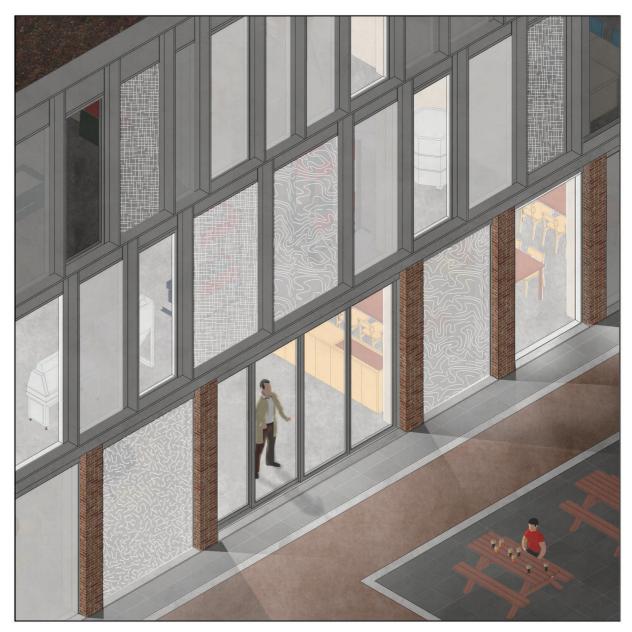
Detailing of the facade



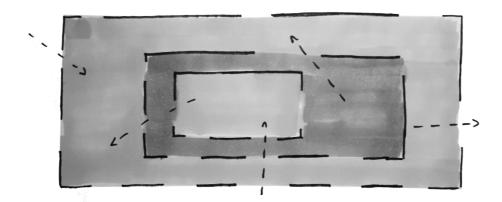


Day and night situation





THE CRAFTSMAN

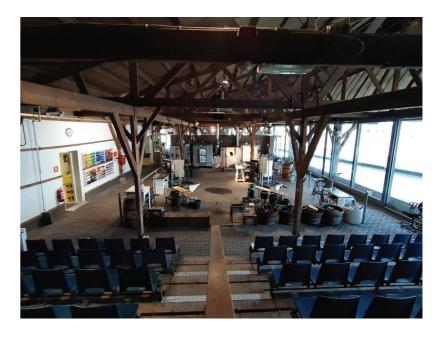


Connecting the multiple disciplines

Interviews







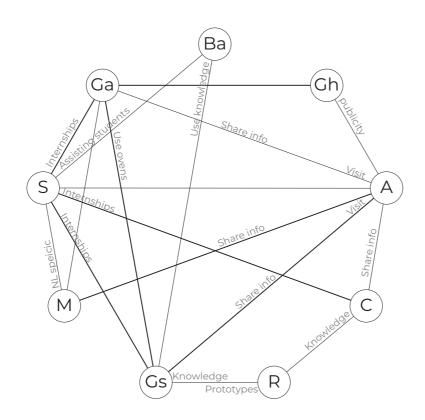
Glass artist Glass studio Museum

Interviews

11 interviews in 8 different occupations

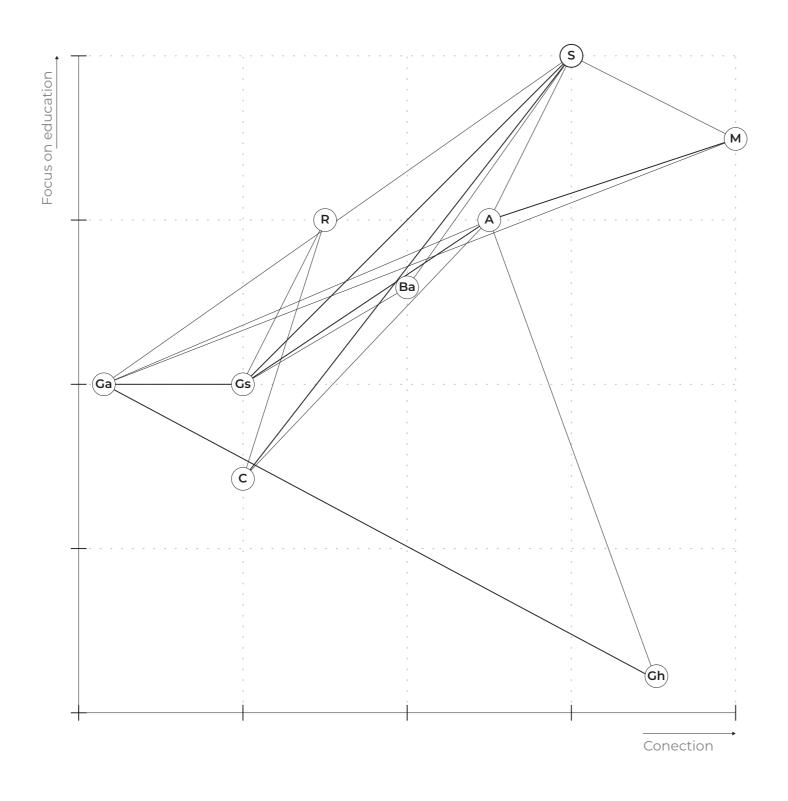
- (Ba) Beginning artist
- (Ga) Glass artist
- S School
- M Museum
- Gs) Glass studio
- R Research
- (C) Company
- (A) Association
- (Gh) Gallery holder

Connection of the different occupancies



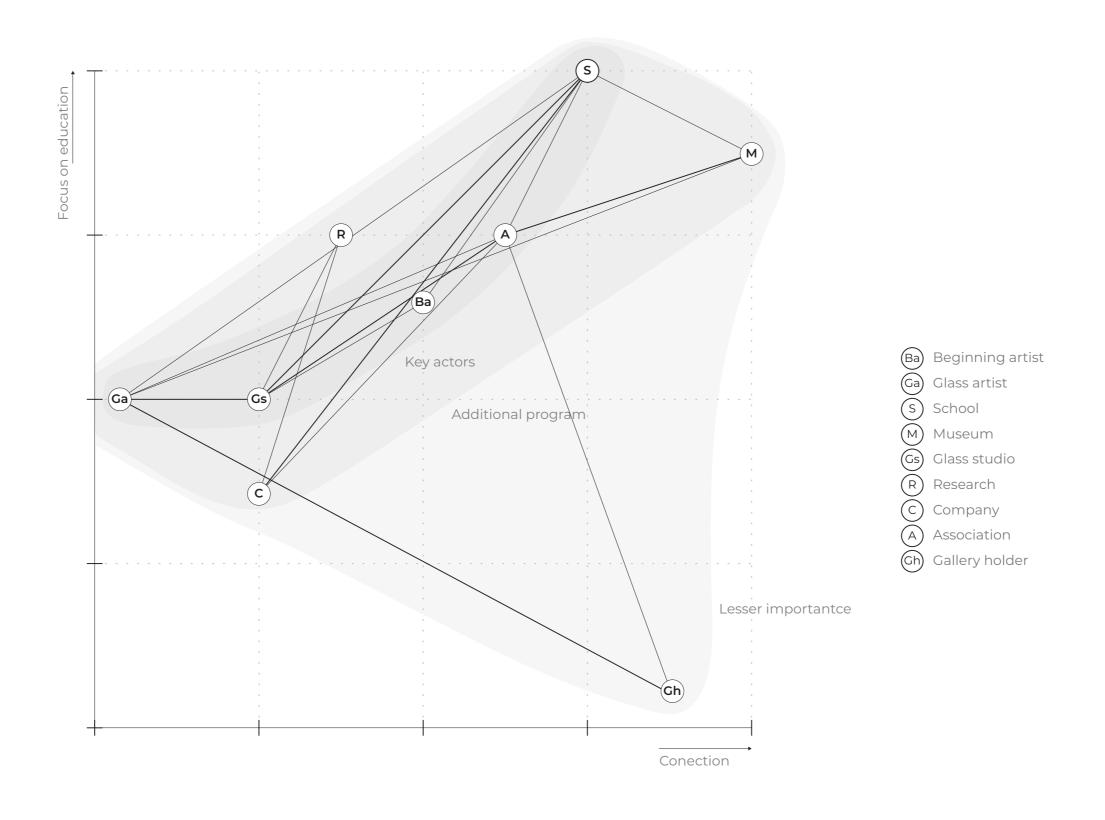
- (Ba) Beginning artist
- Ga Glass artist
- S School
- M Museum
- (Gs) Glass studio
- (R) Research
- C Company
- (A) Association
- (Gh) Gallery holder

Combining information

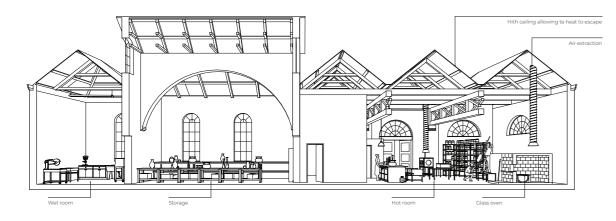


- (Ba) Beginning artist
- Ga) Glass artist
- S School
- (M) Museum
- Gs Glass studio
- R Research
- © Company
- (A) Association
- (Gh) Gallery holder

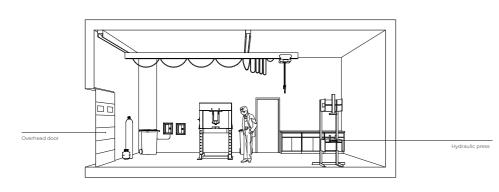
Importance for a glass school

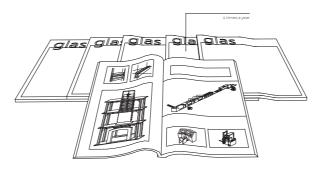


The workplaces



Glass artist

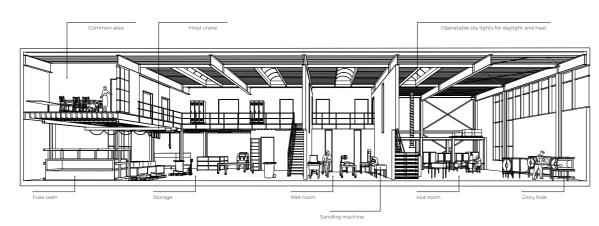




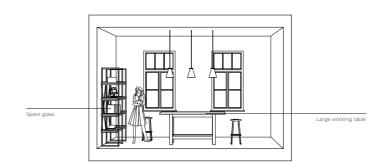
Klin UV camber Microscope

Research

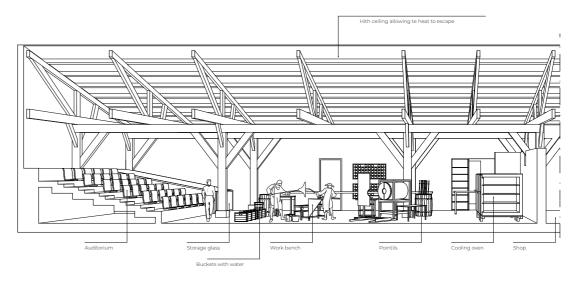
Association



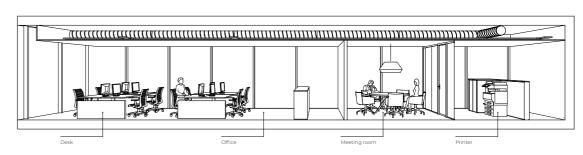
Glass studio



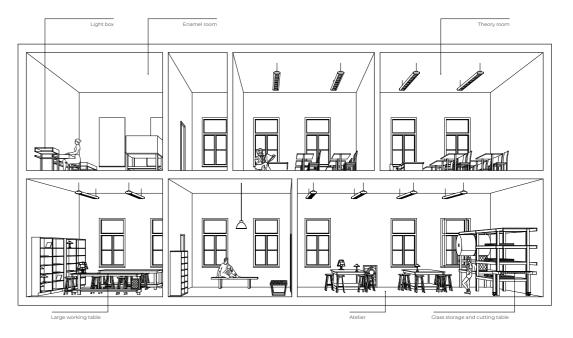
Beginning artist



Museum

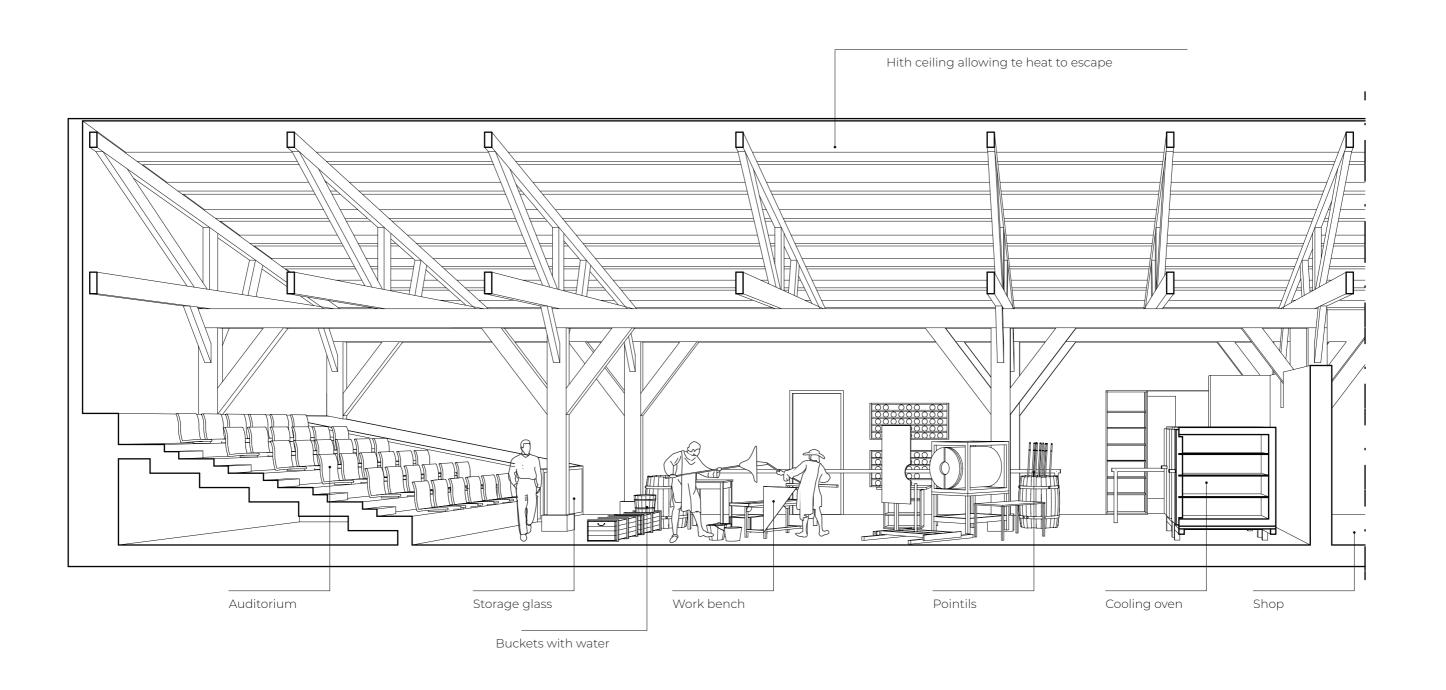


Office

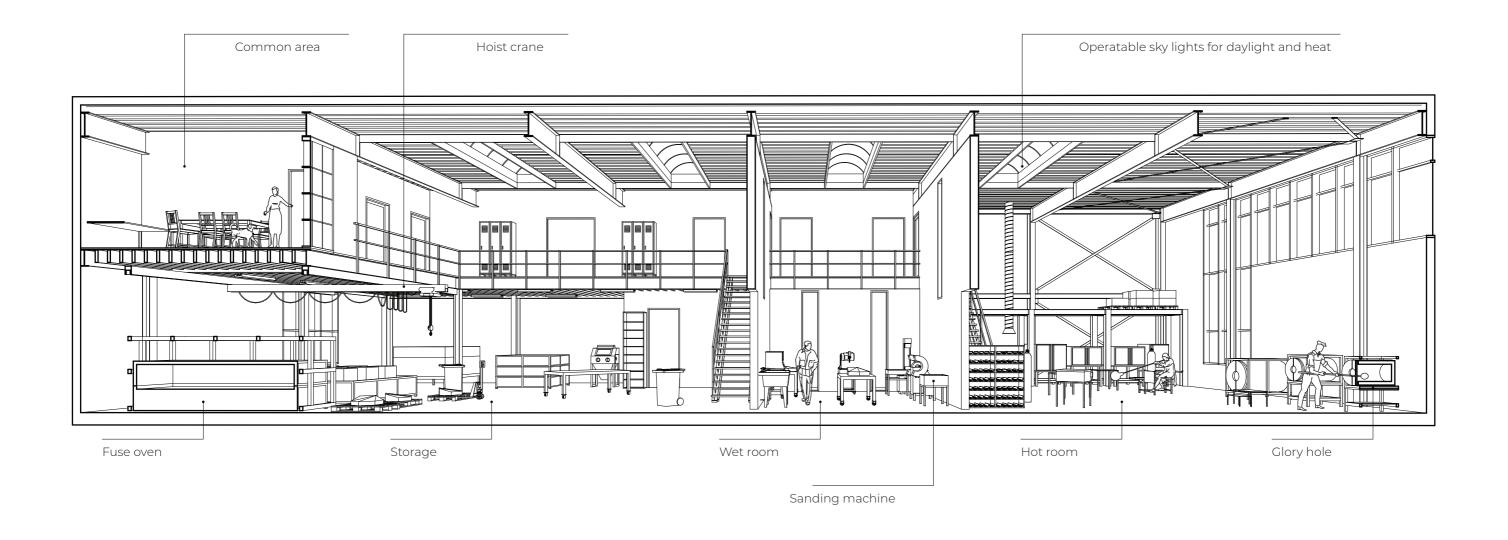


School

The Museum

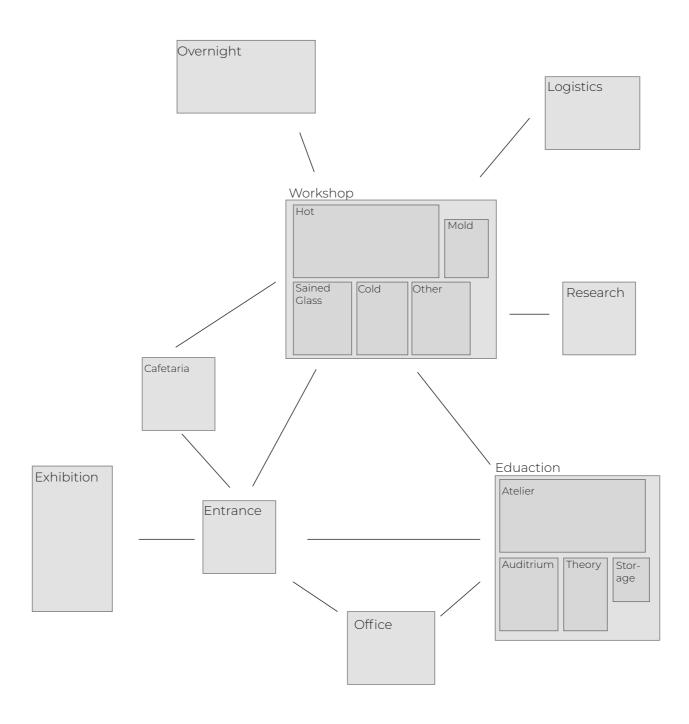


The Studio



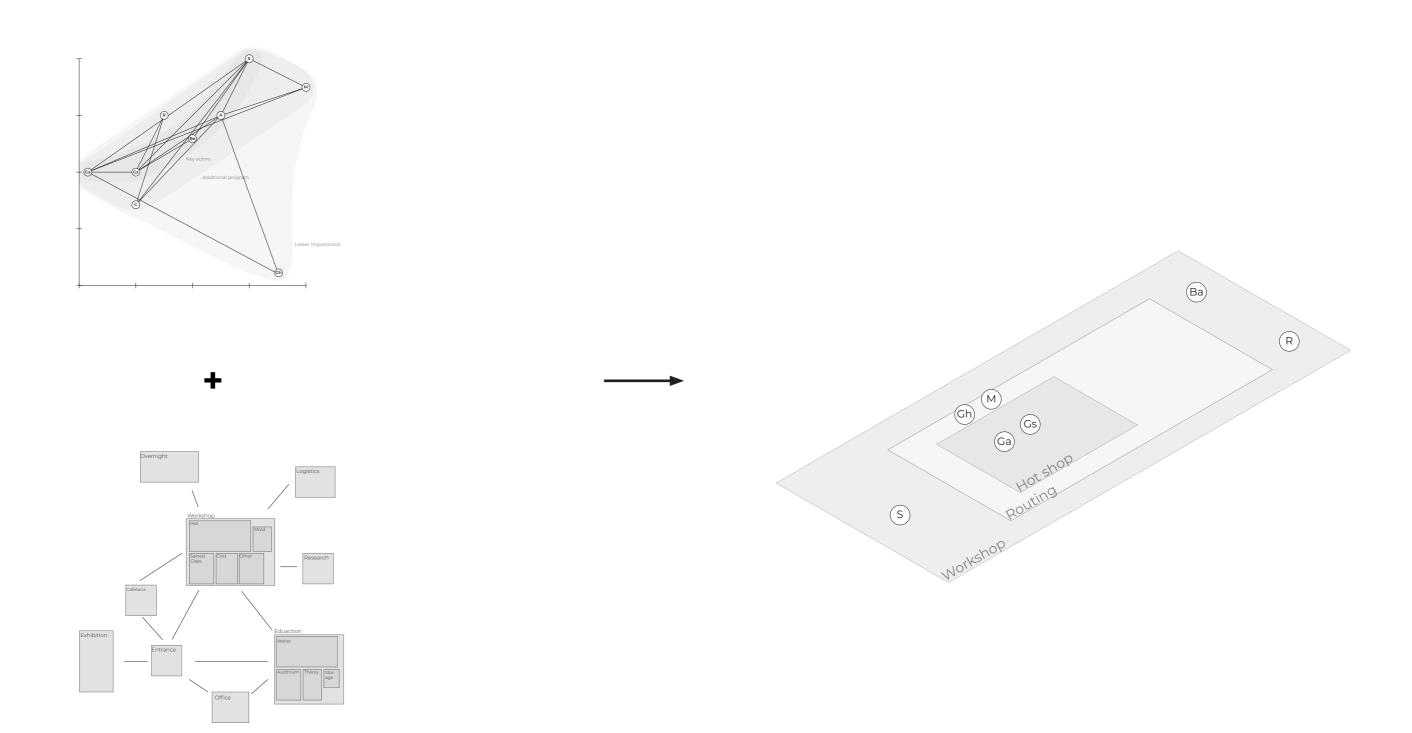
Relation diagram

Combination of the workplaces and people



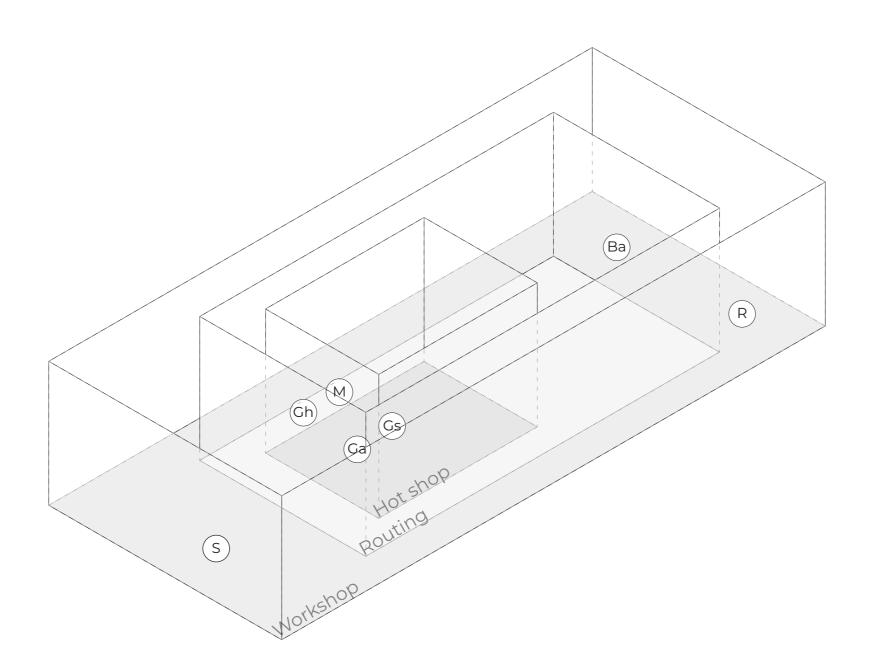
Spatial program

The Public program on the outside and the private interior is connected trough a circular route

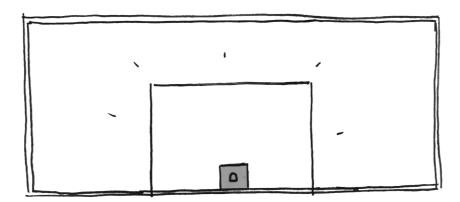


Extrusion of the program

Three layer show the different qualities of glass



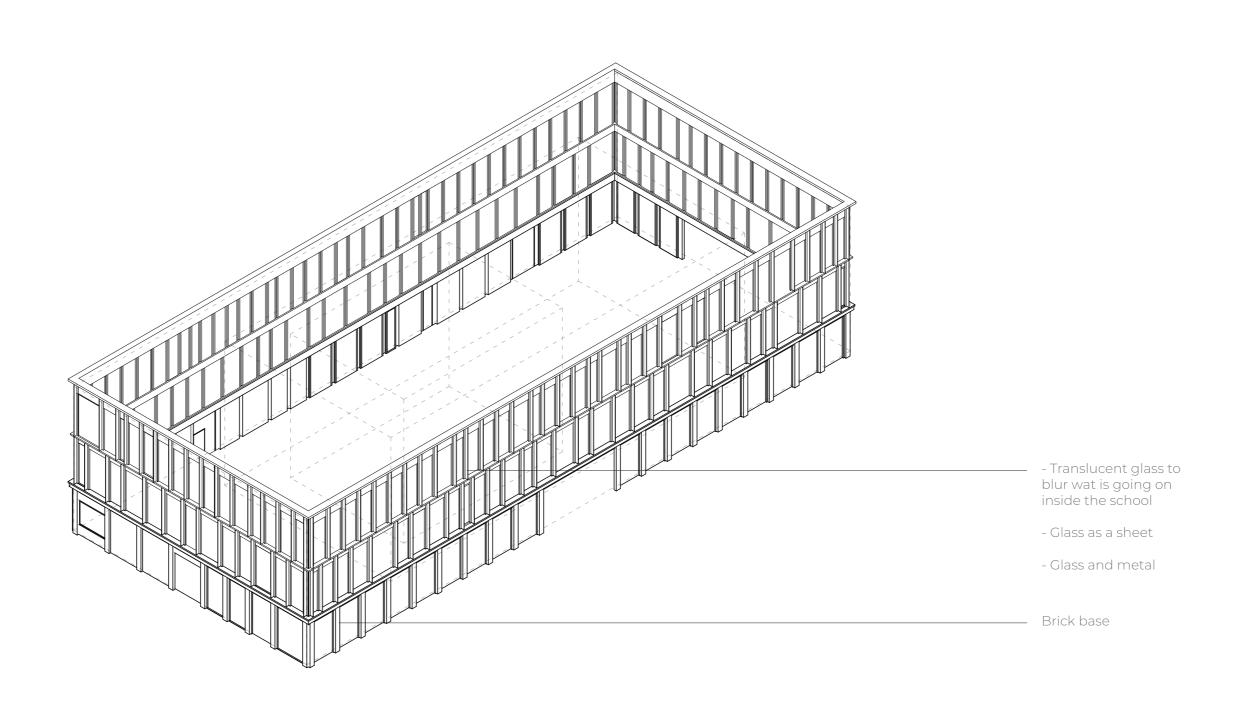
THE WORKSHOP



Hot shop as the heart of the building

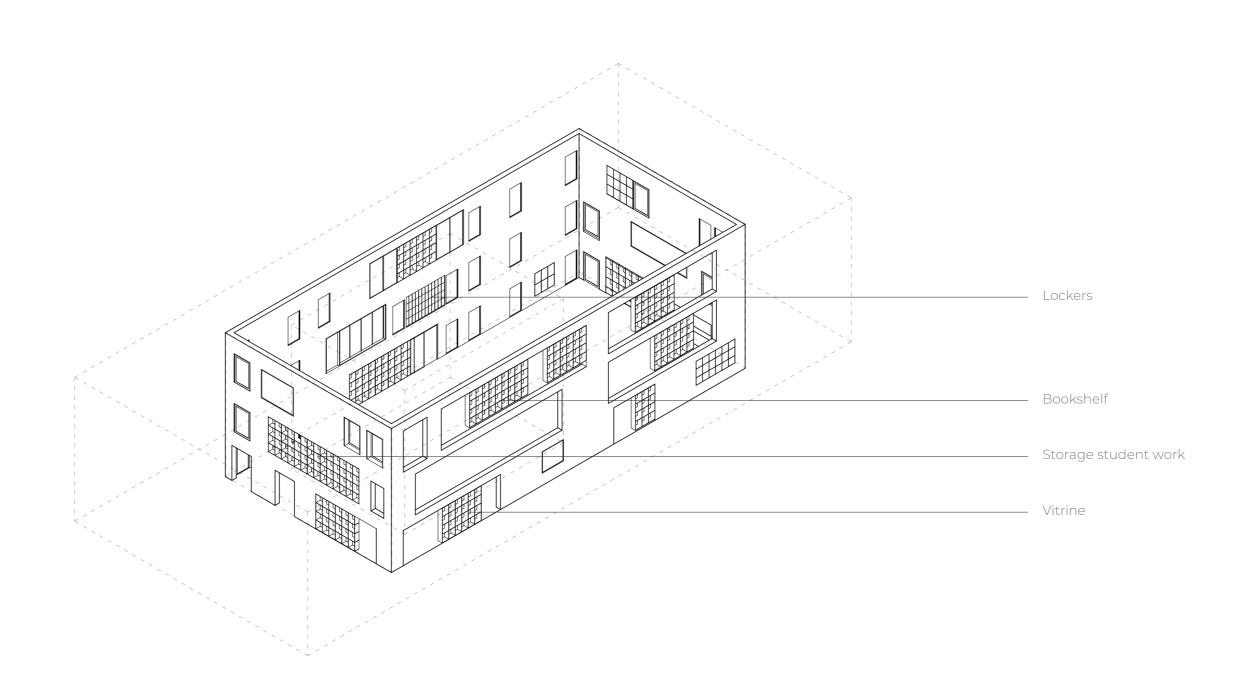
Skin layer

Glass as a skin to stimulate interaction and creativity



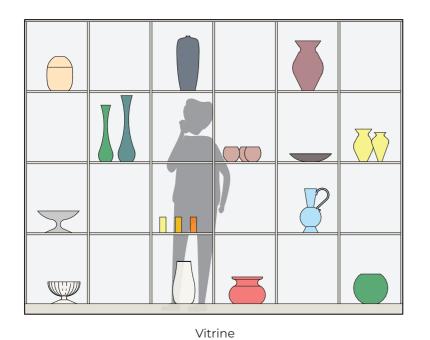
Exploration layer

Glass as a vitrine to show the craftsmanship



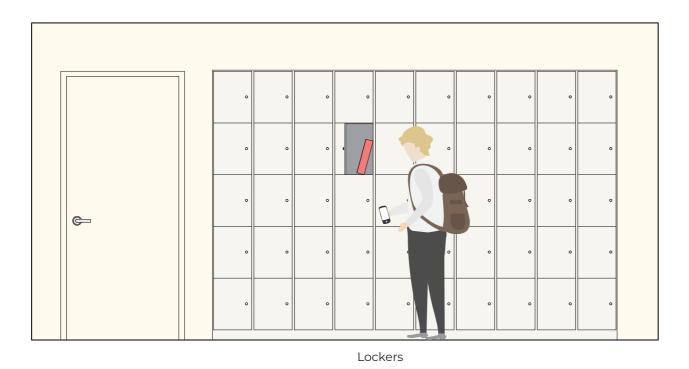
Exploration layer

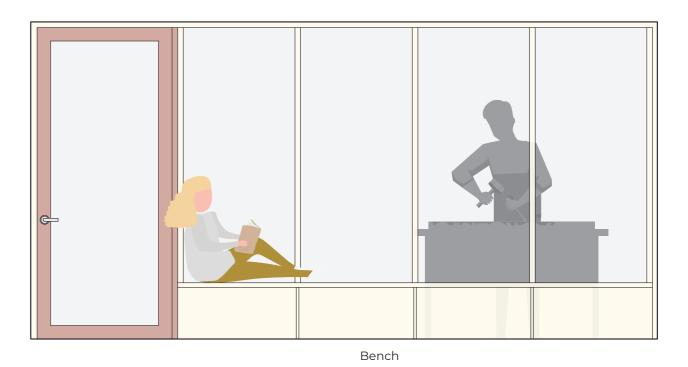
Multiple uses of the same wall





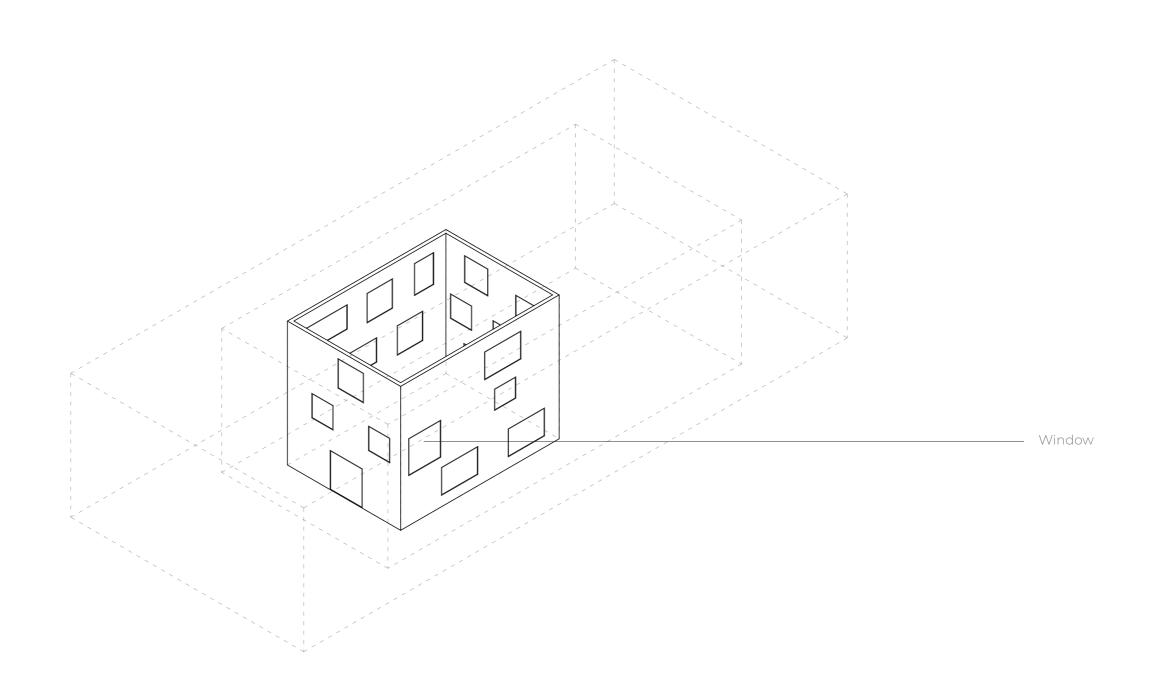






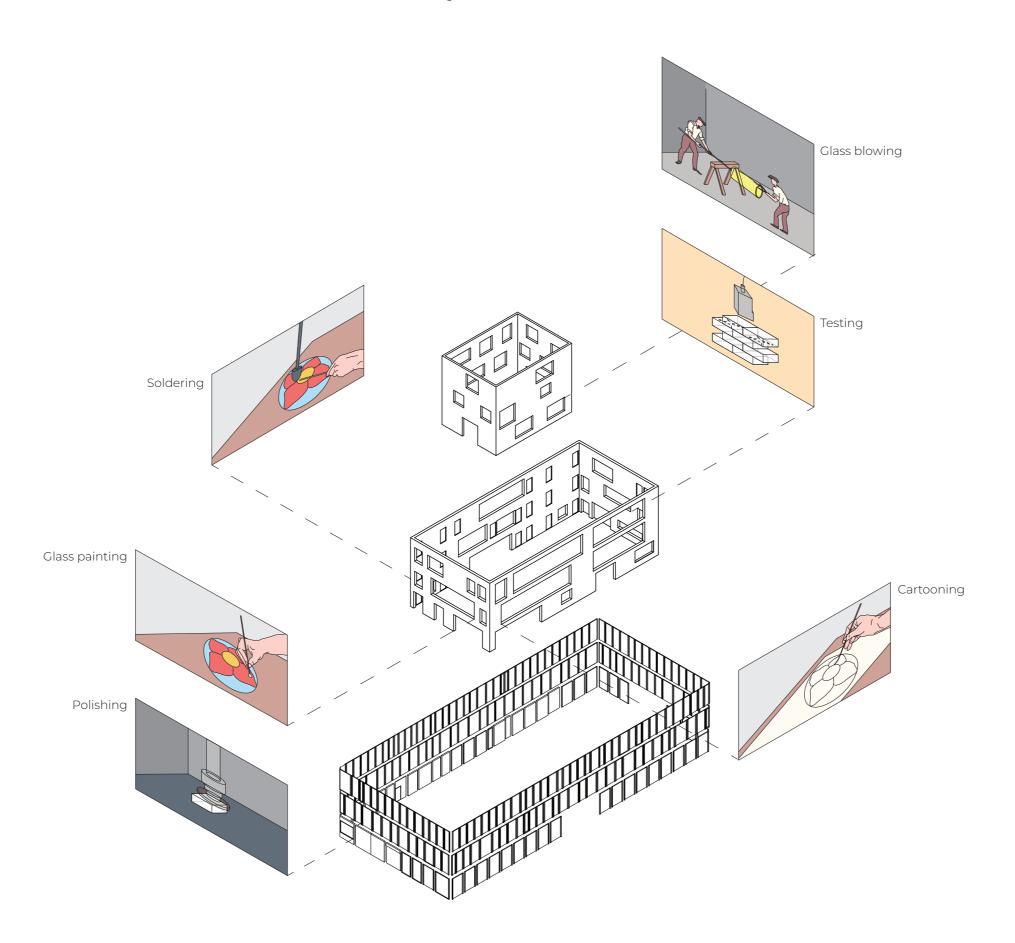
Hot shop layer

Glass as a window

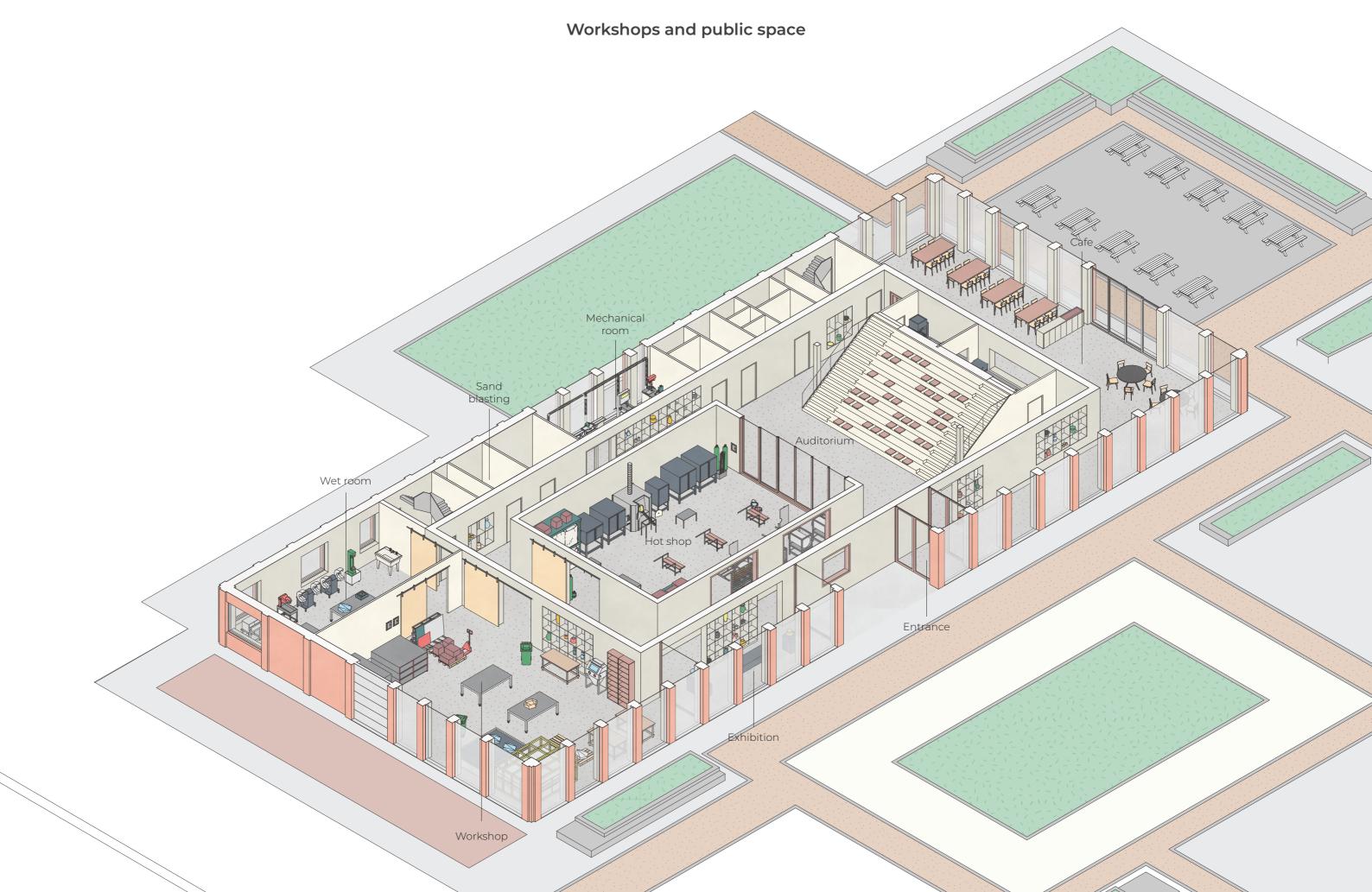


Openings

The openings create moments of interaction, behind the widows you can see a different craft



Ground Floor

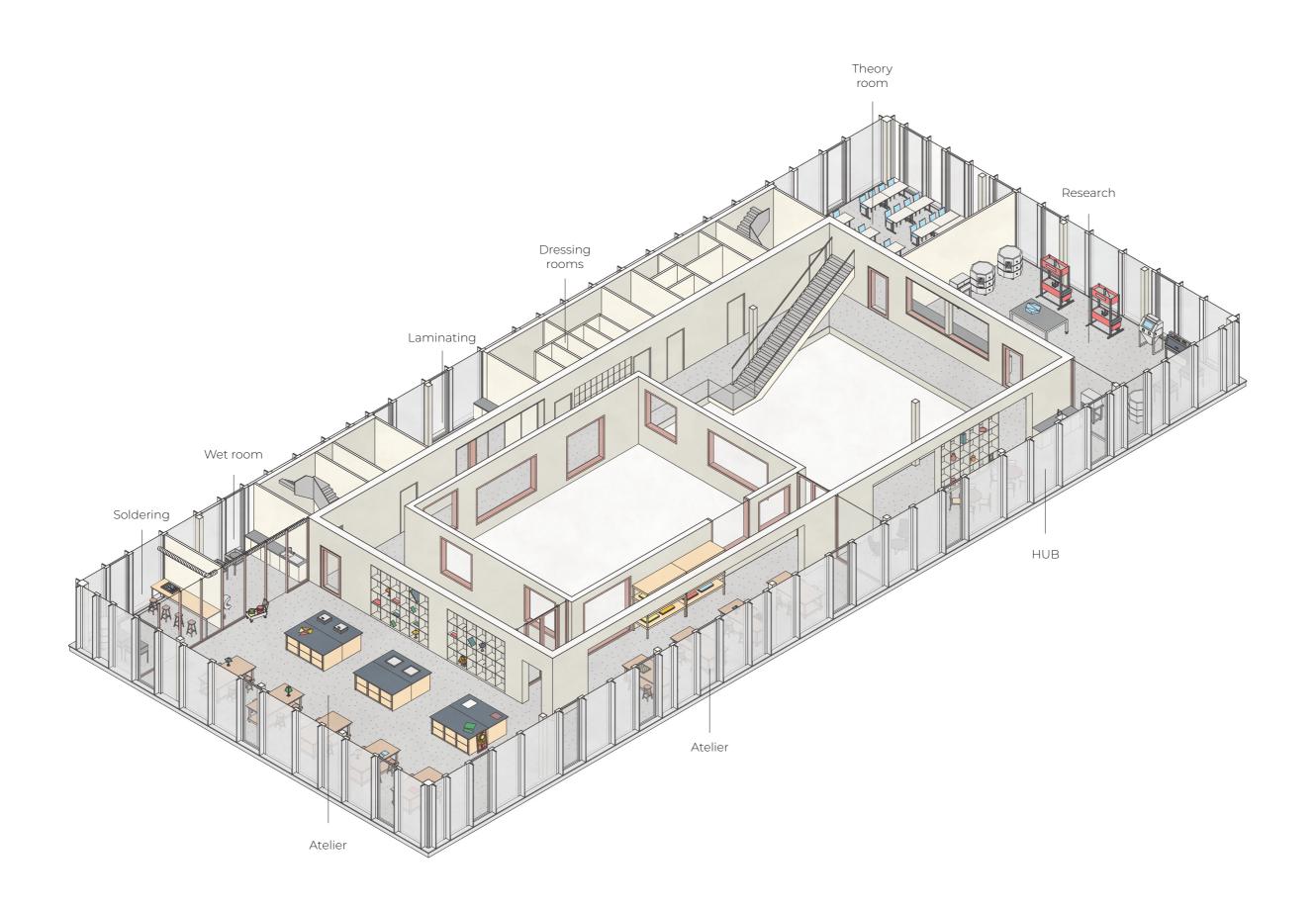


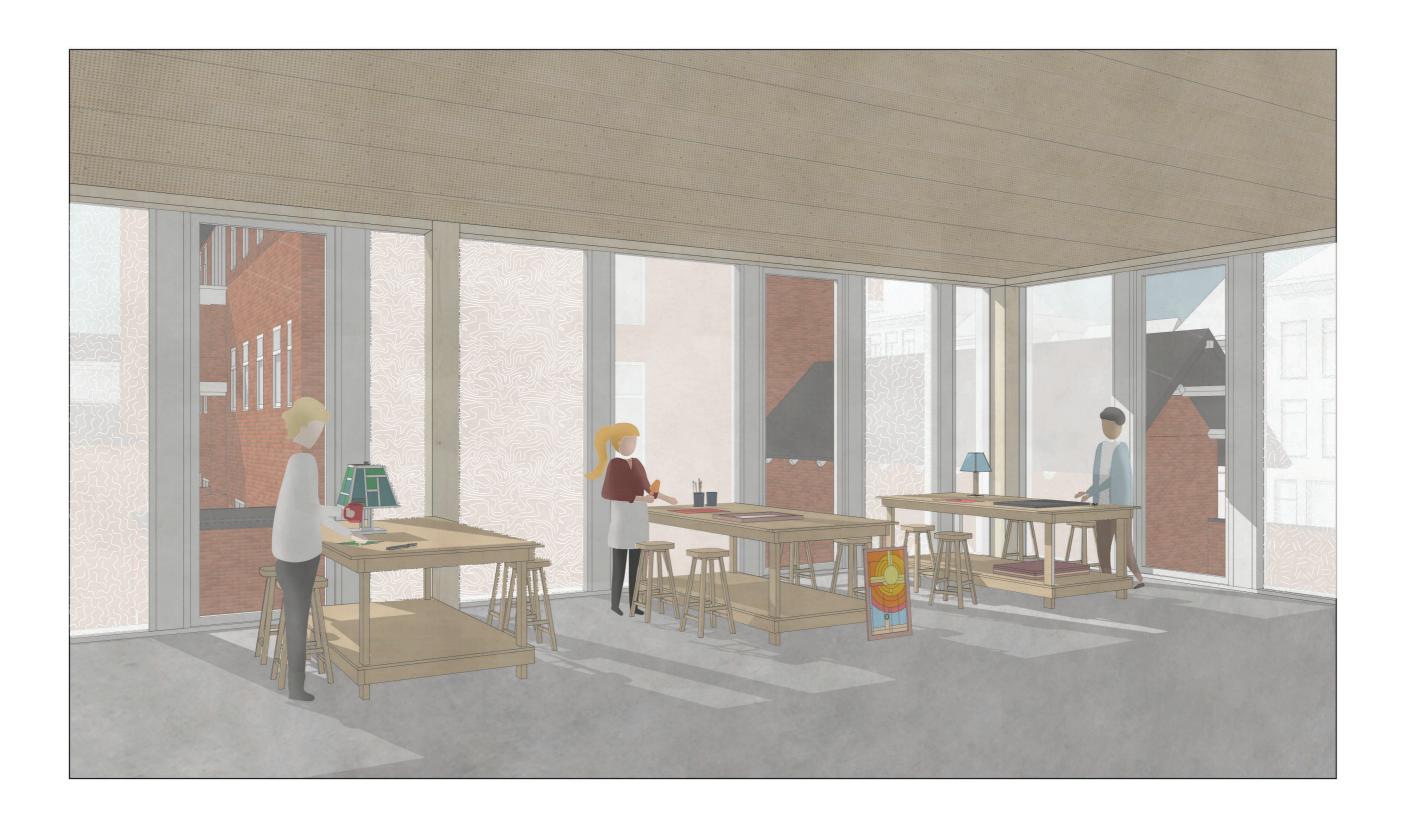




First Floor

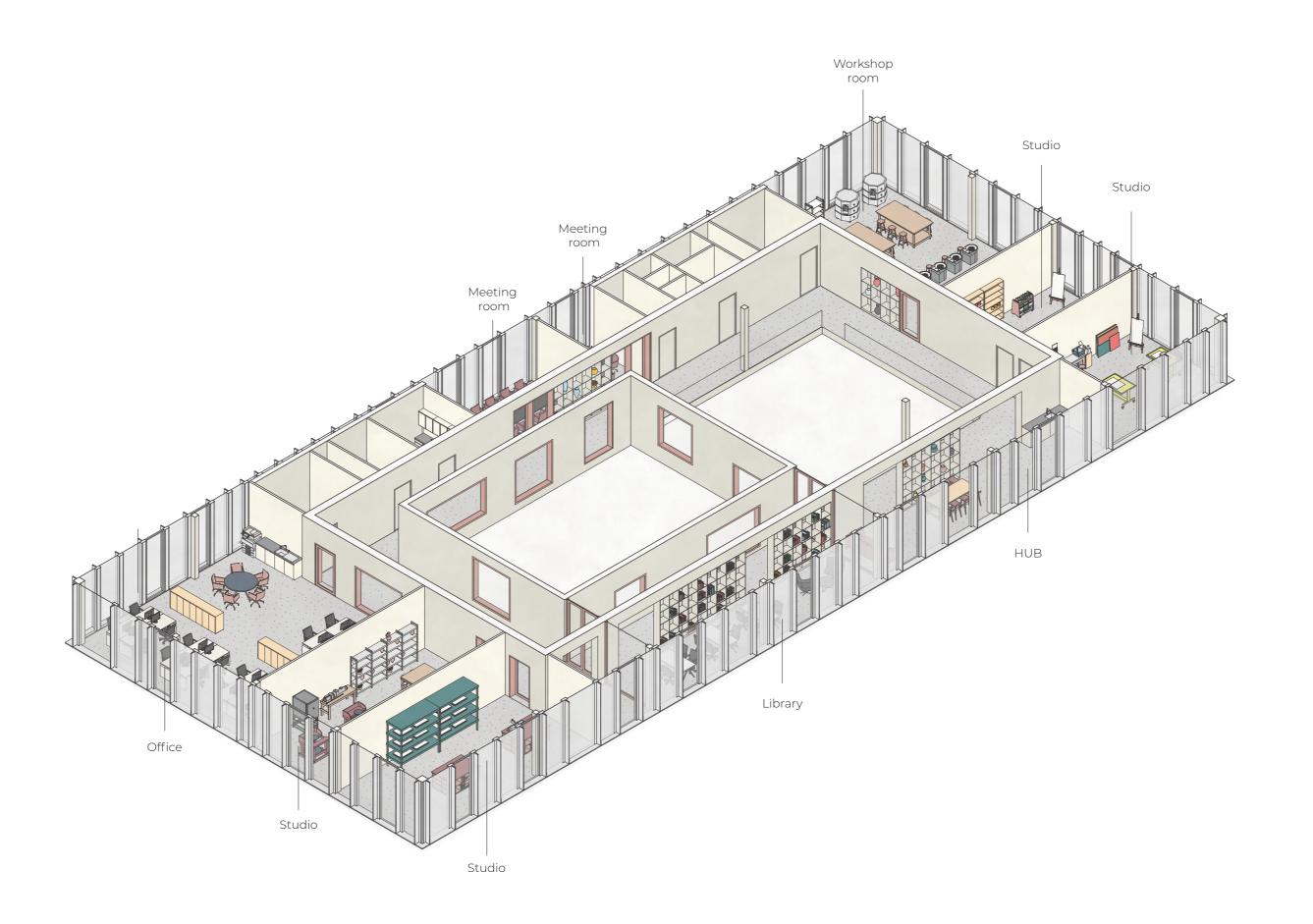
School and research





Second Floor

Office and ateliers



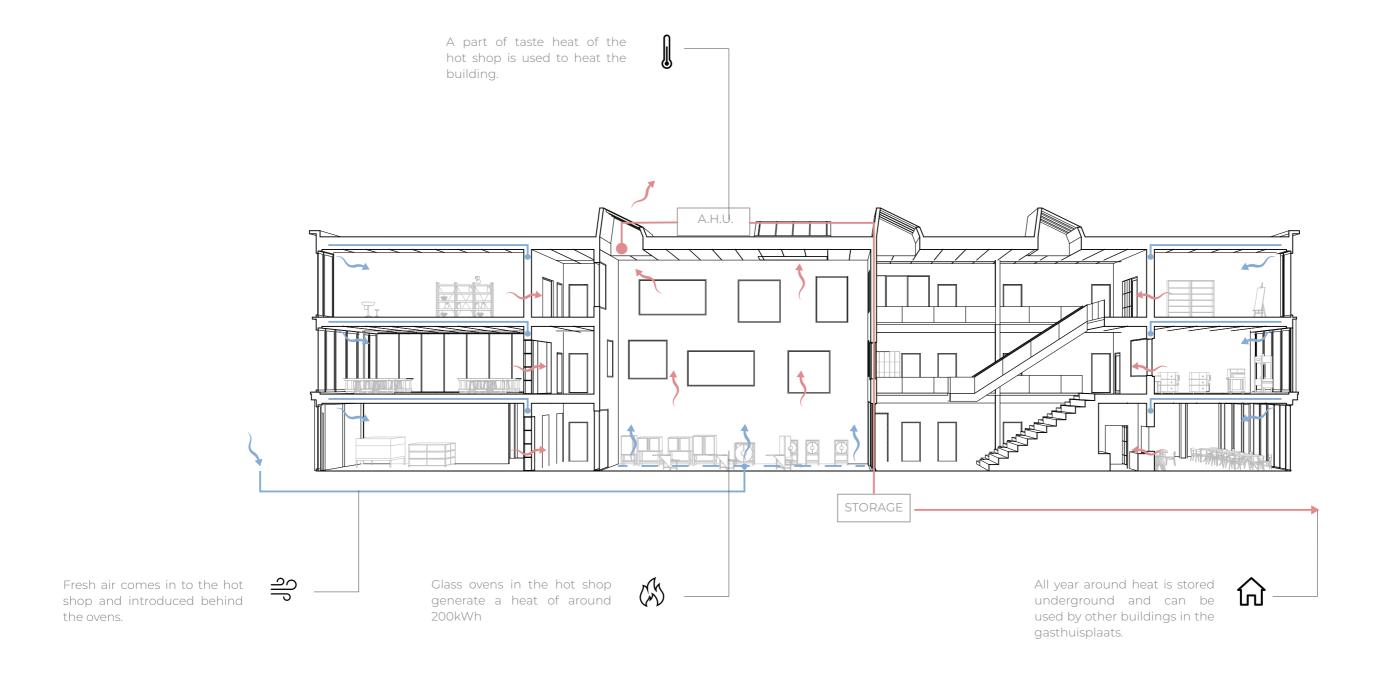
Section

Daylight and sight



Heat Load

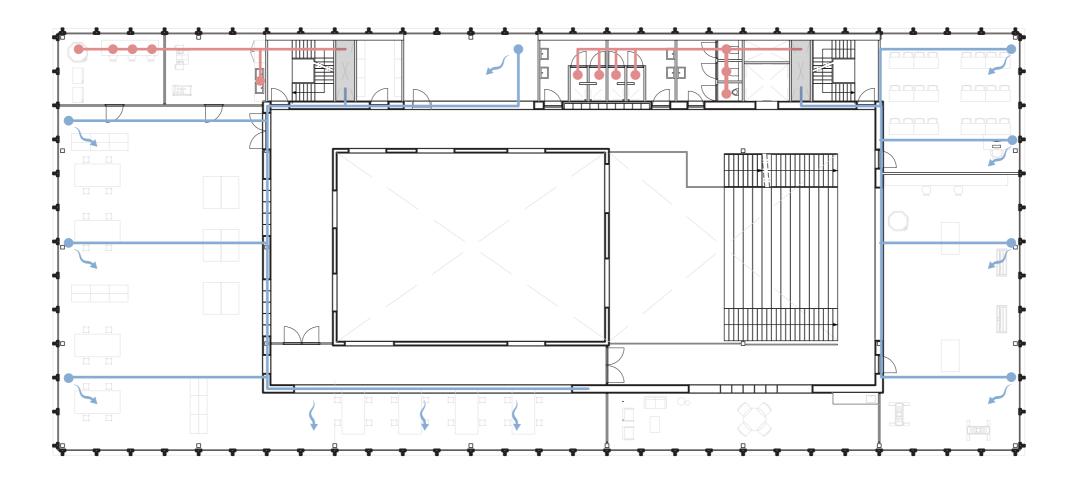
The use of the excess heat generated by the ovens



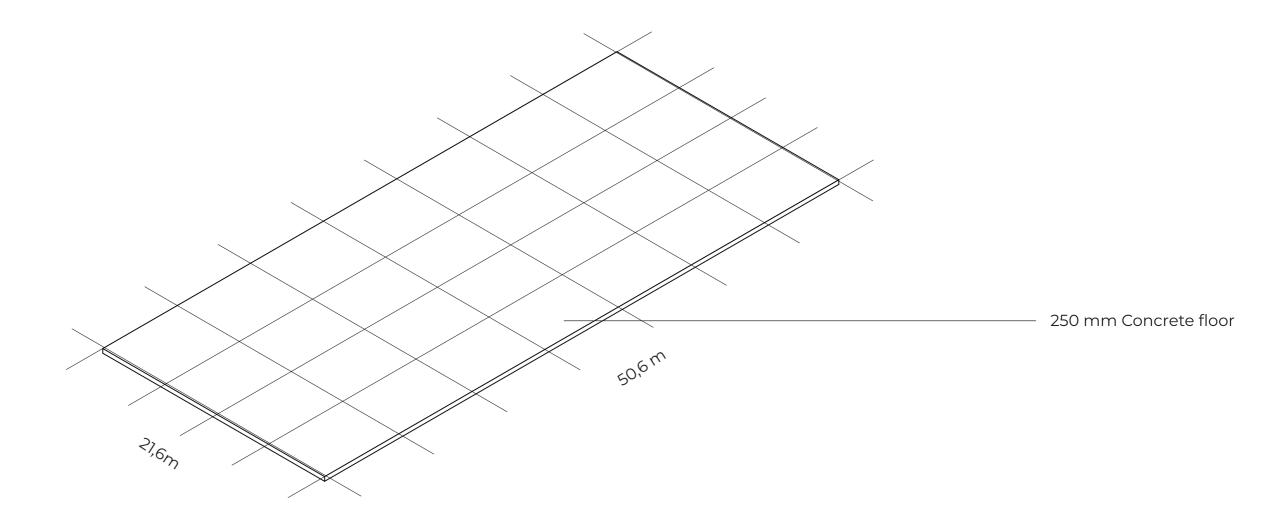
Climate concept



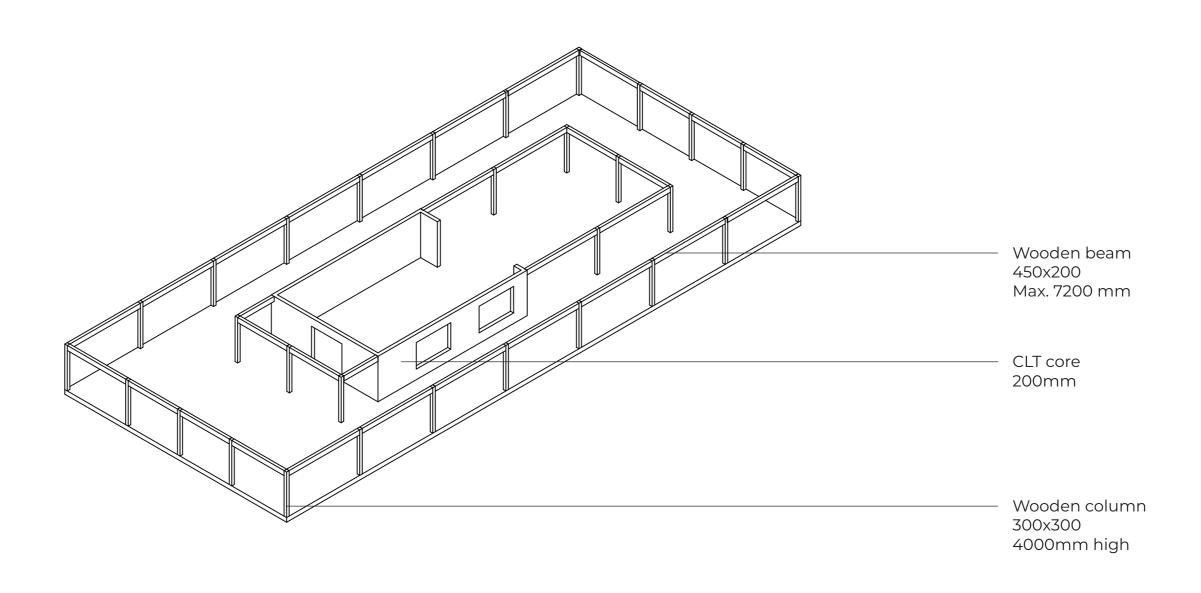
Ventilation



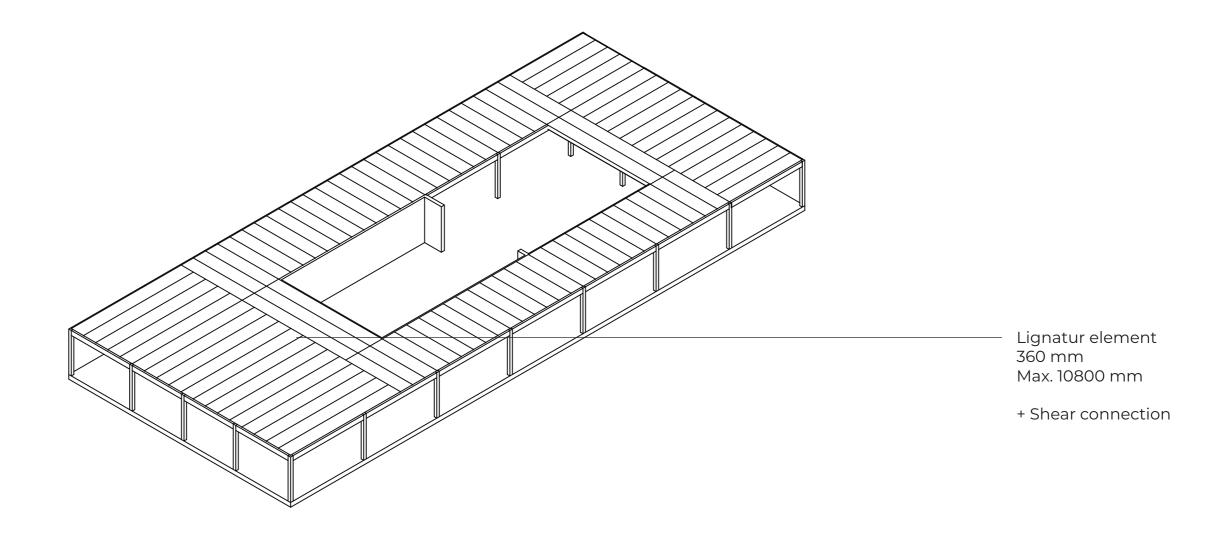
Construction | Ground Floor



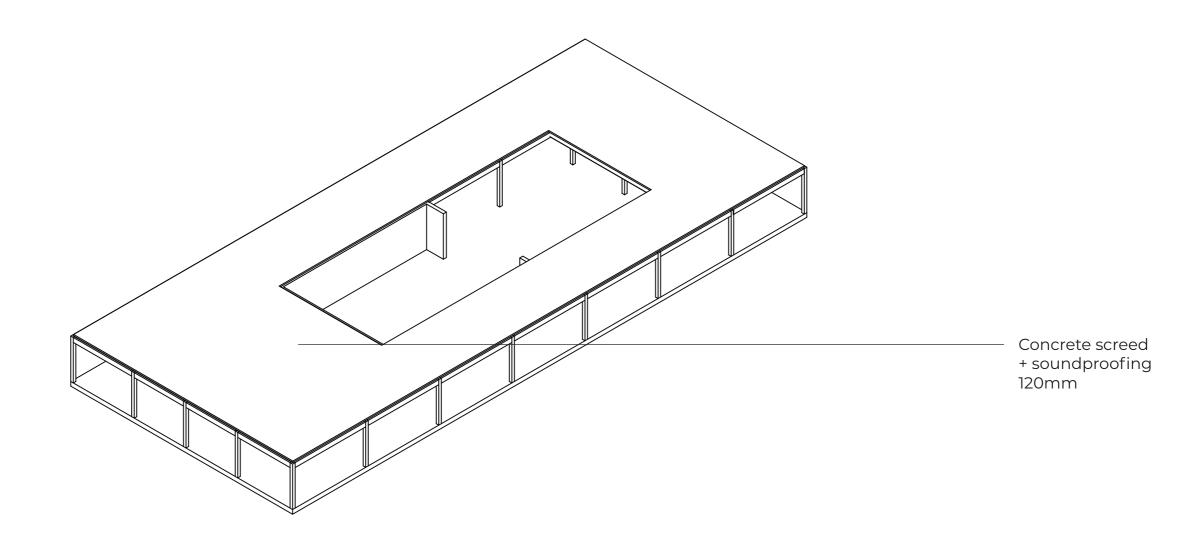
Construction | Ground Floor



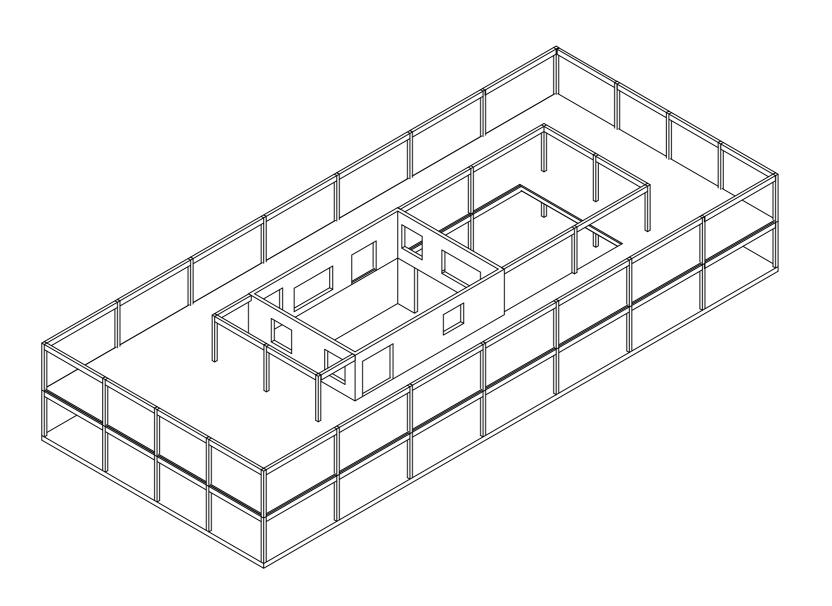
Construction | Ground Floor



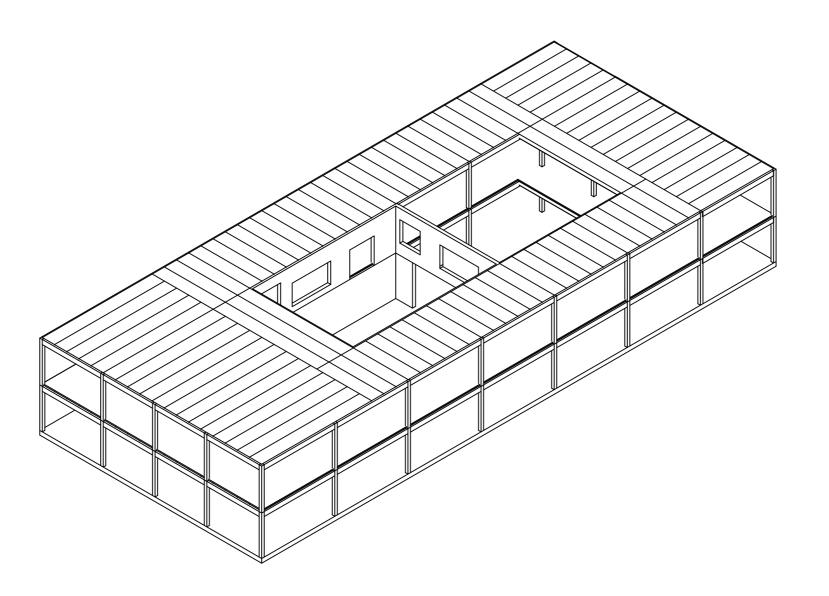
Construction | First Floor



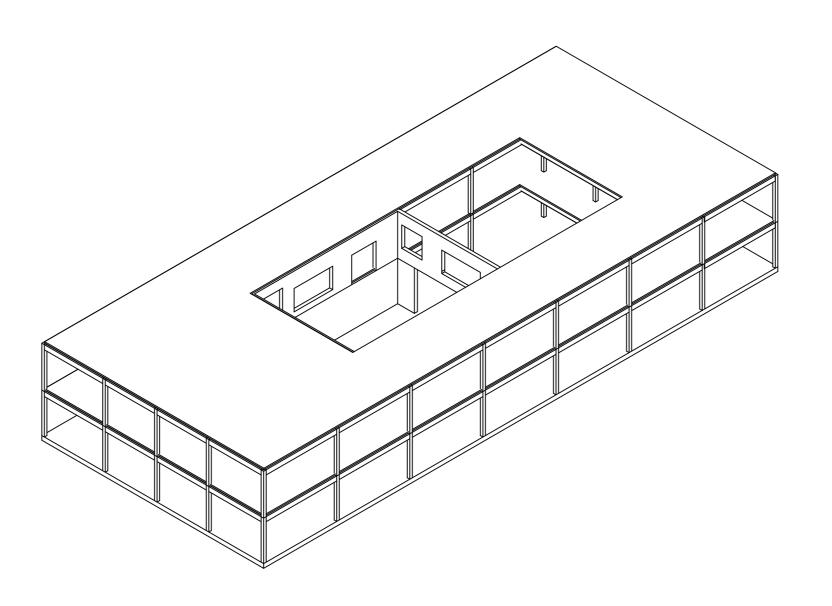
Construction | First Floor



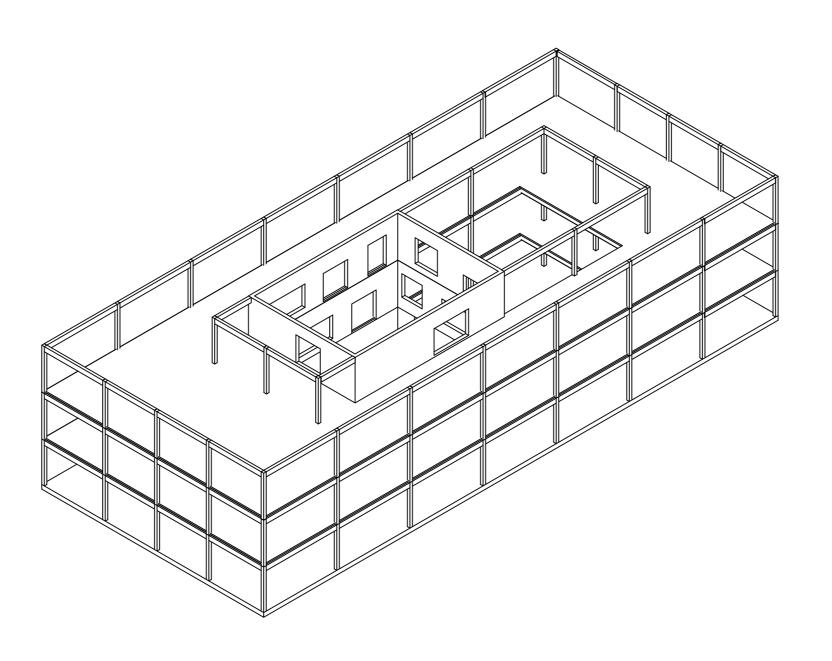
Construction | First Floor



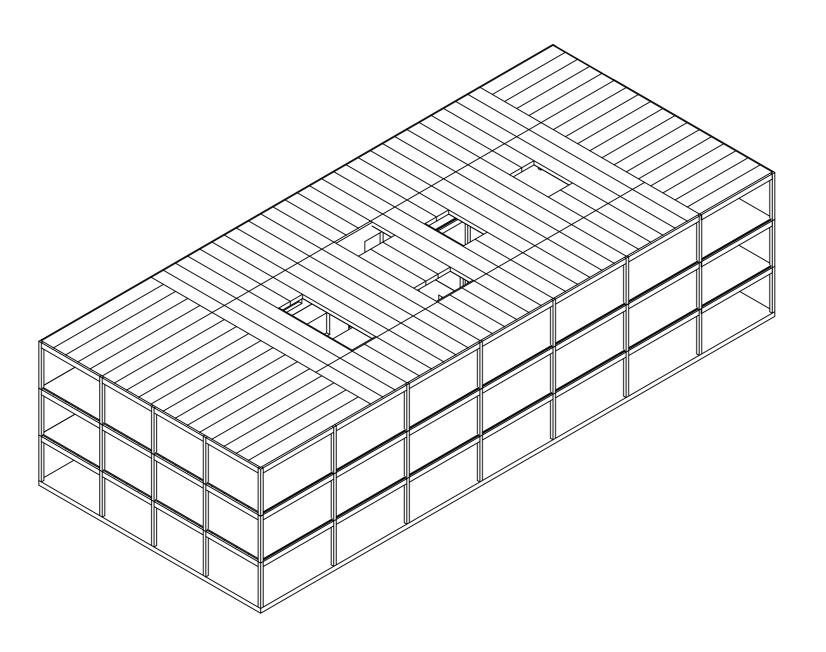
Construction | Second Floor



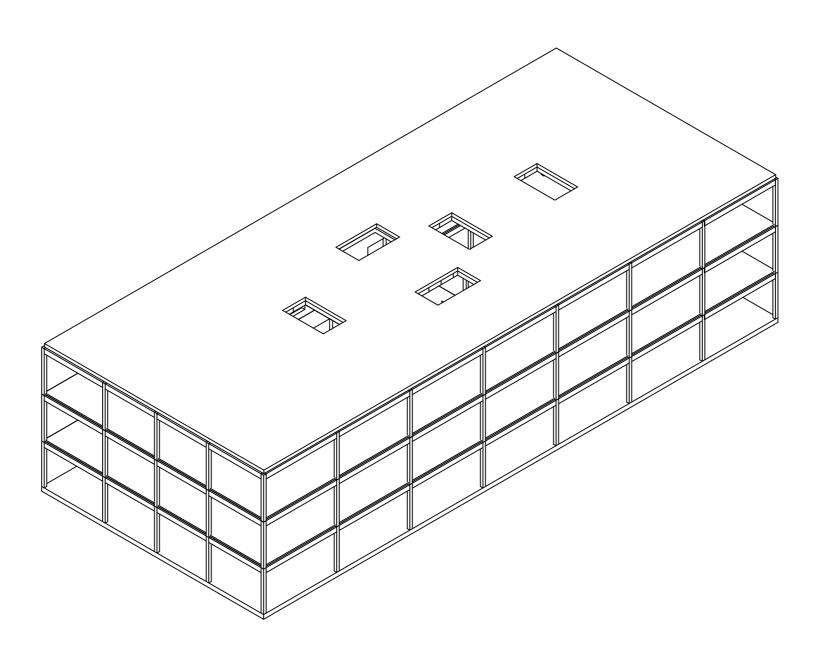
Construction | Second Floor



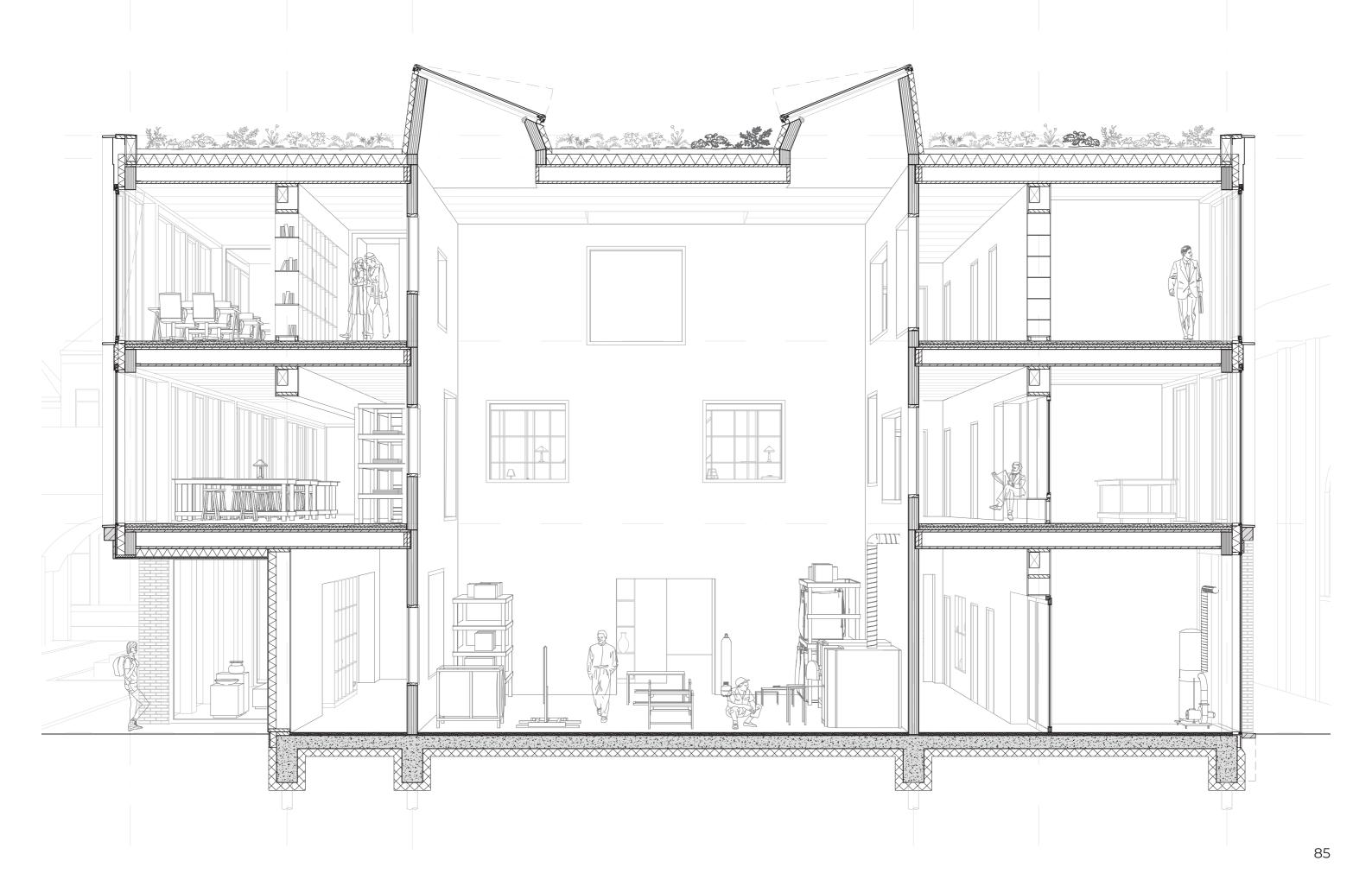
Construction | Second Floor



Construction | Roof



Section



Fragment

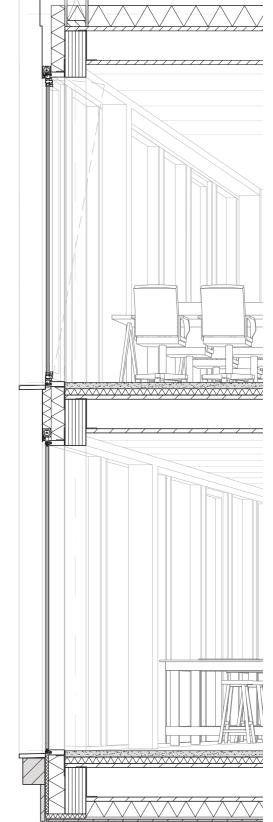








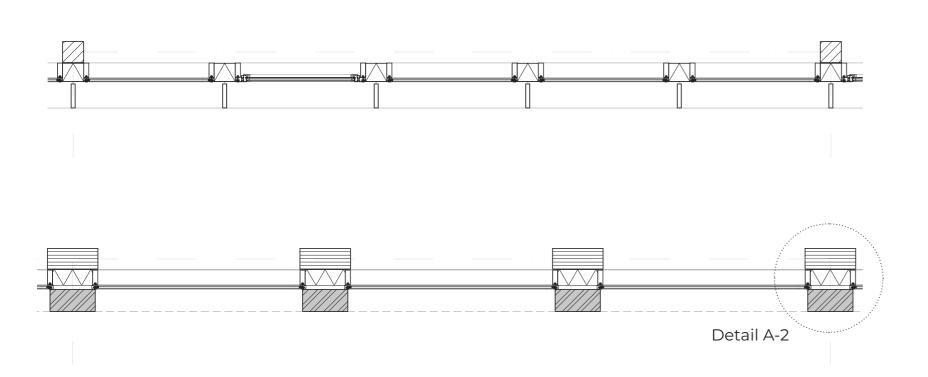
Roof: 360 mm Lignatur flooring 200 mm Rockwool insulation 100 mm soil Sedum roof

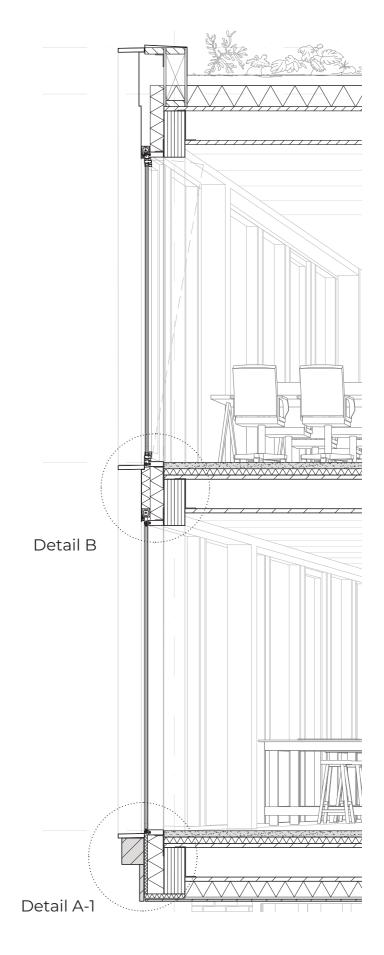


Facade GF:
200 mm Laminated construction
180 mm Rockwool insulation
Steel window frame
Patterned/ translucent glass
210 mm brick pier

Fragment

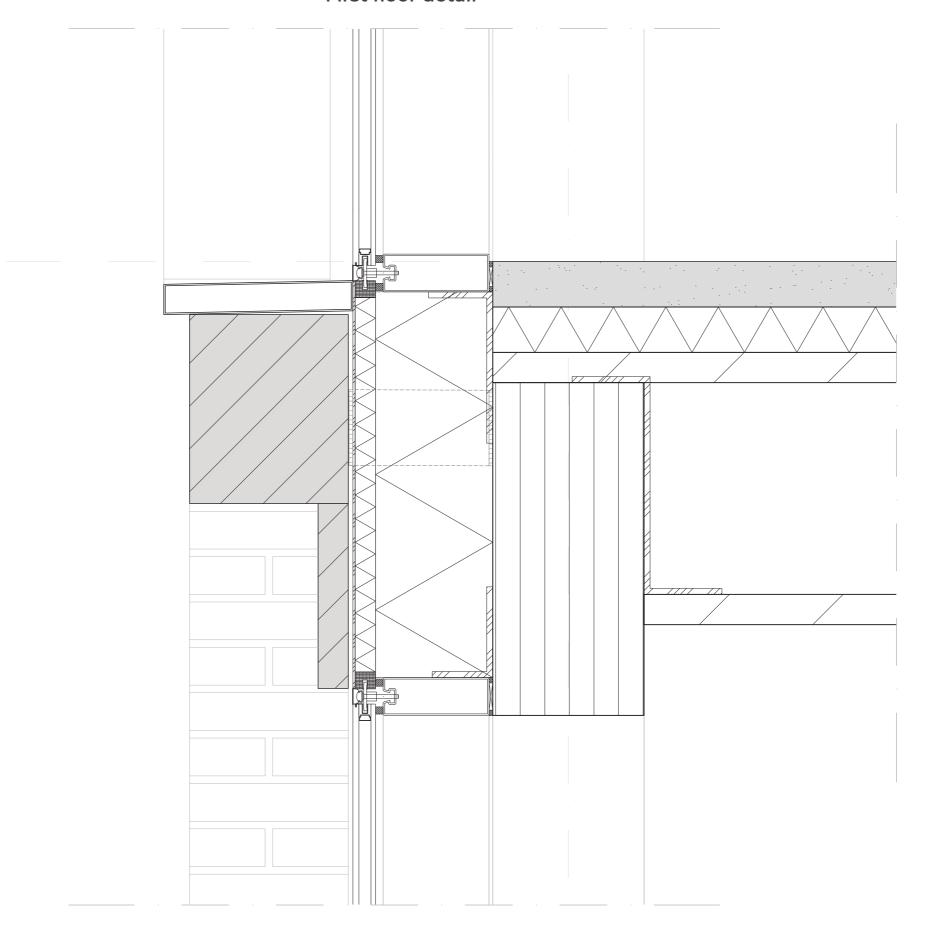






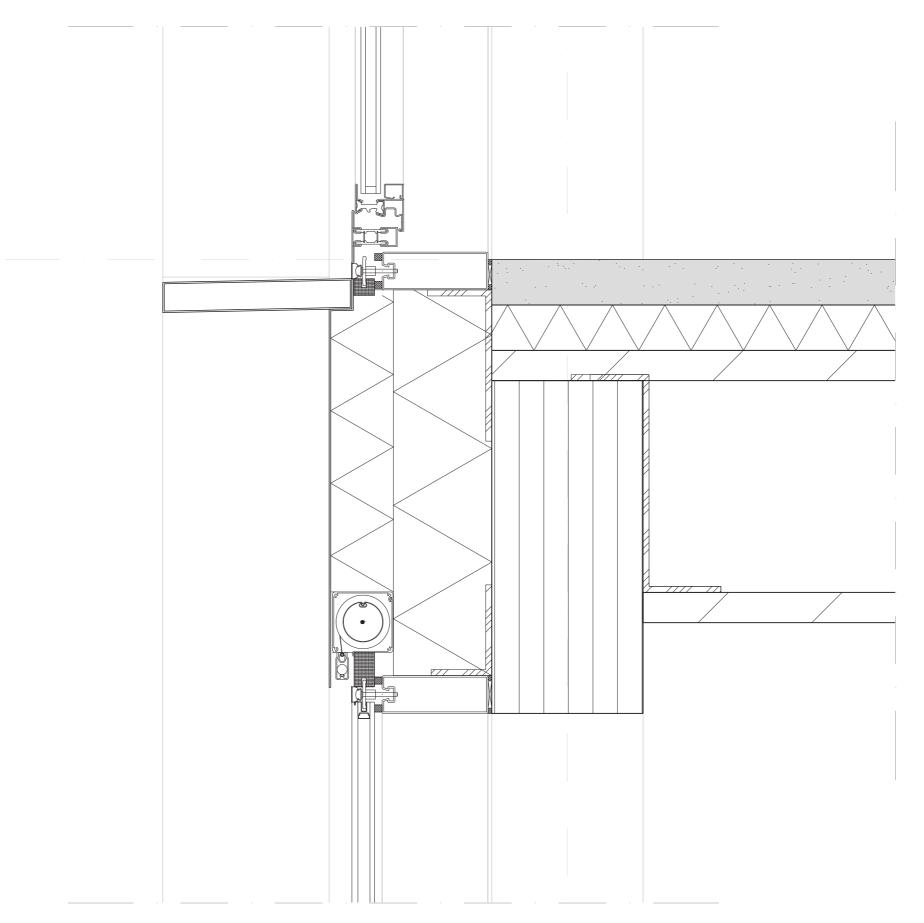
Detail A -1

First floor detail



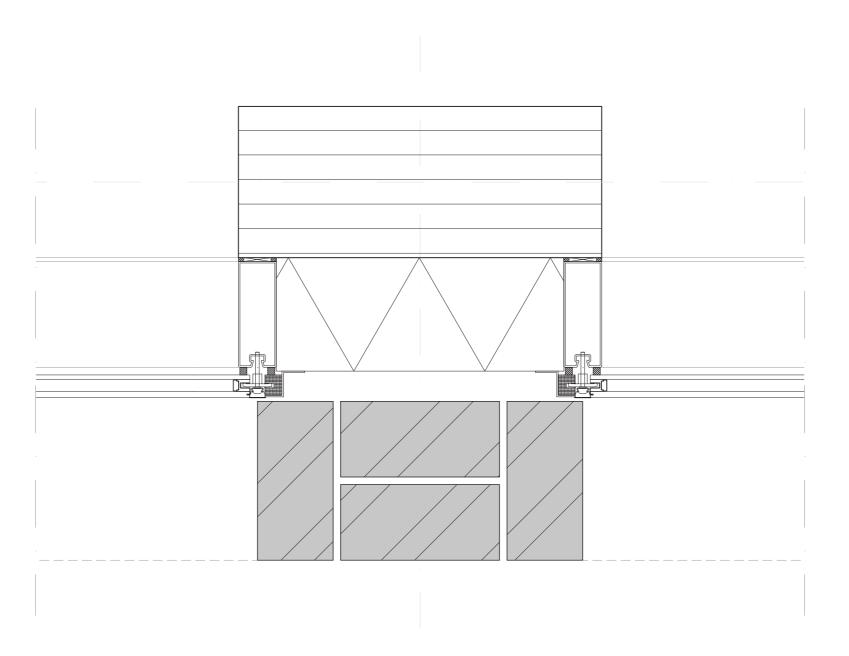
Detail B

Second floor detail



Detail A-2

Horizontal Ground floor detail



Conclusion



Thank you