



CONTEXT STUDIO

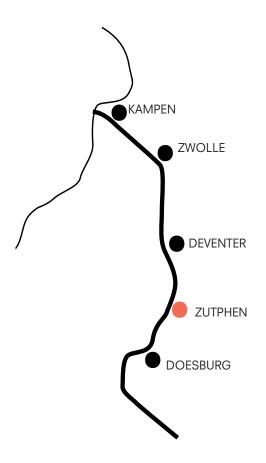


Figure
Hanseatic cities next to the IJssel

Image Satellite view of the Netherlands (kaartenenatlassen.nl, own editing)



ZUTPHEN

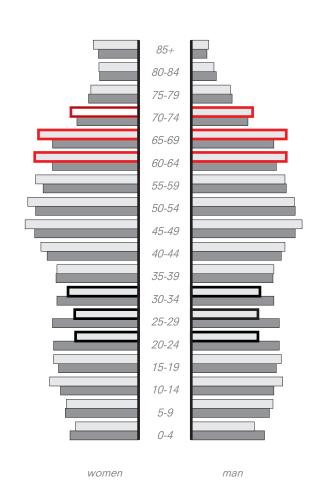
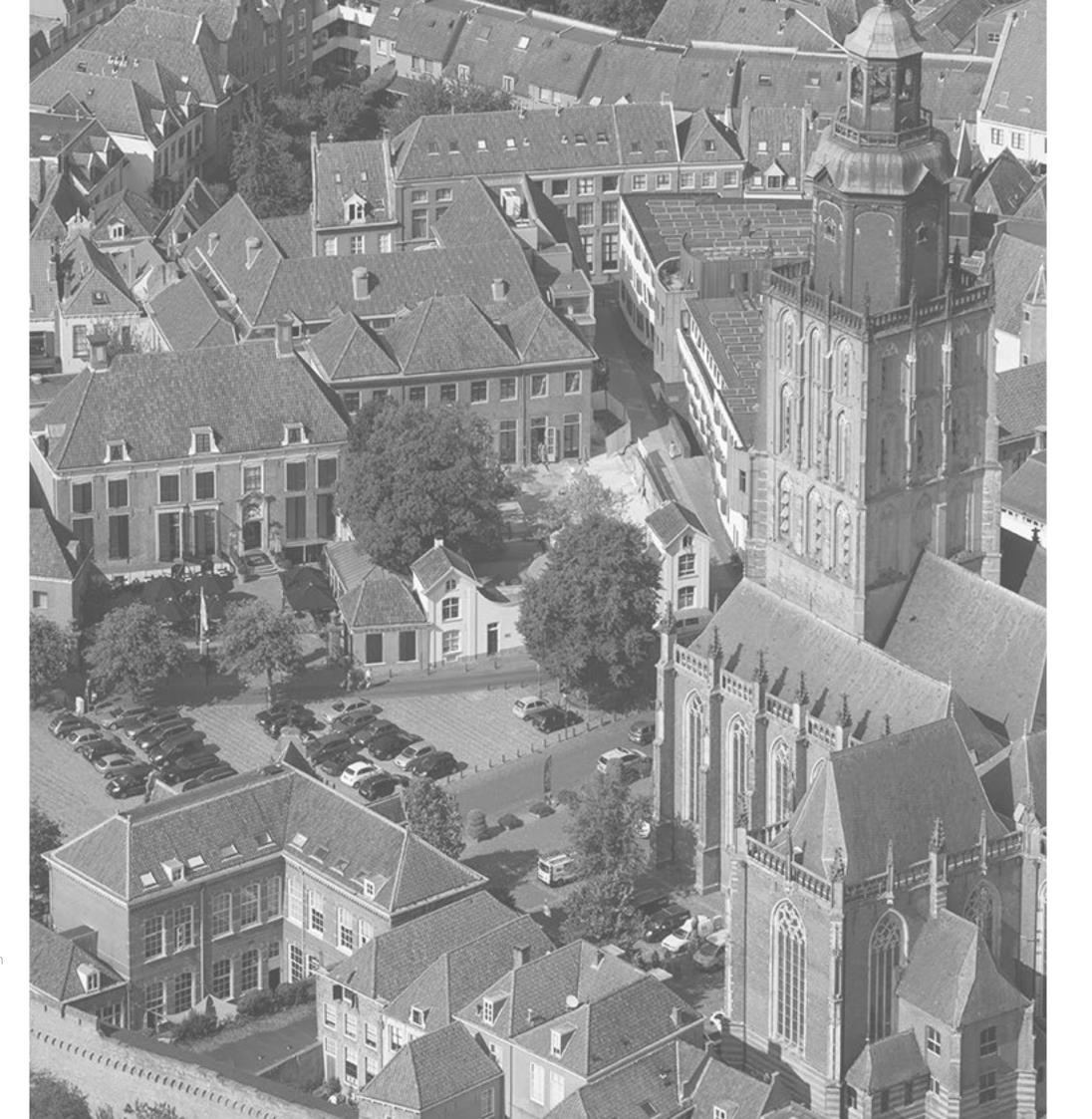


Figure
Population piramid of Zutphen and the Netherlands (C.B.S. & Zutphen mincipality)

Image Aerial photo of Zutphen (Patrick van Gemert, Zutphens Pers, own editing)



FOCUS AREA

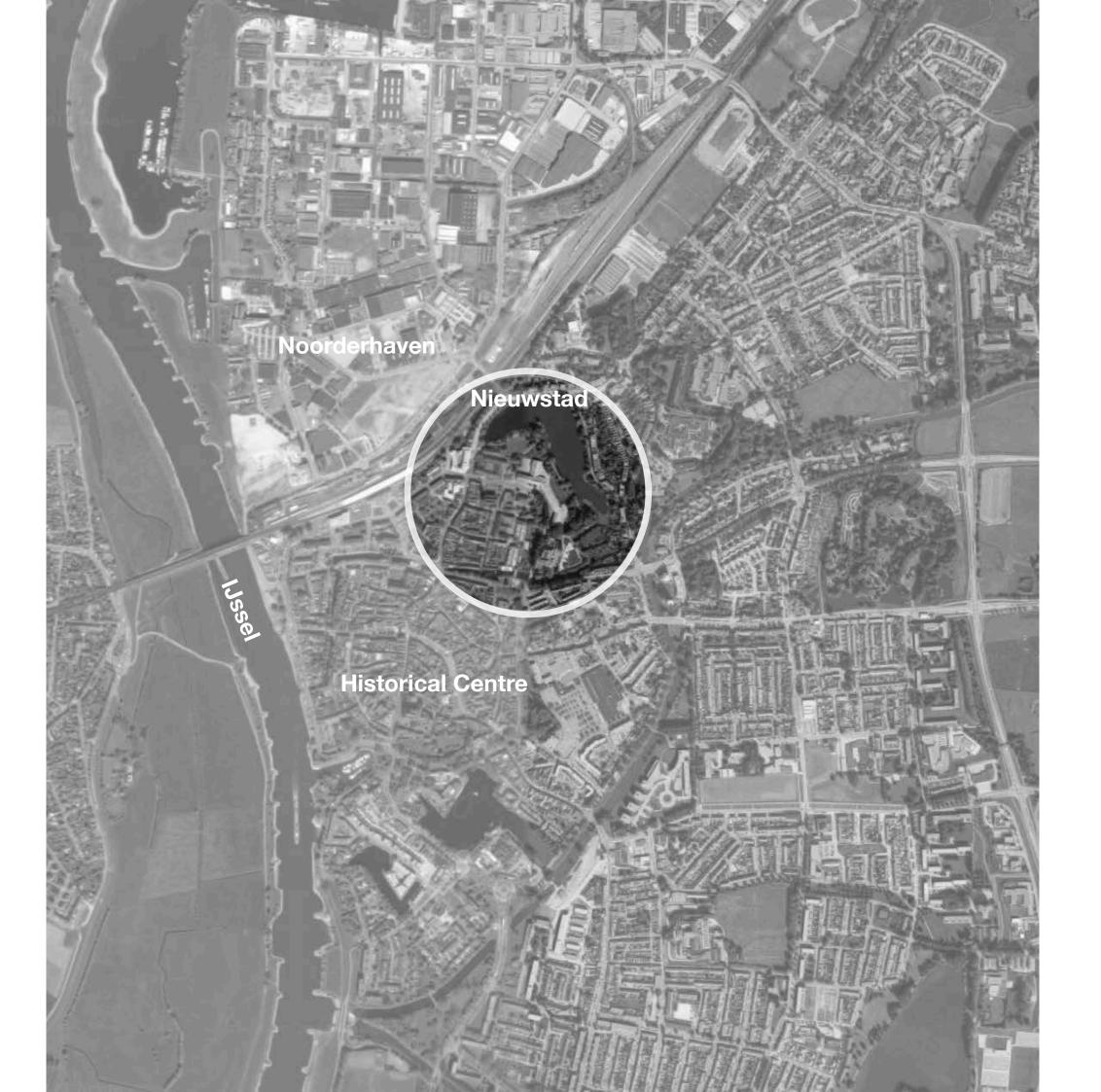


Image Overview of Zutphen (screenshot Google Maps, own edting)

NIEUWSTAD





Figure
North-eastern part of the Nieuwstad

NIEUWSTAD



Image Nieuwstadstraat (Own photo)

NIEUWSTAD



Image Isendoomstraat (Own photo)

KLEIN VATICAAN

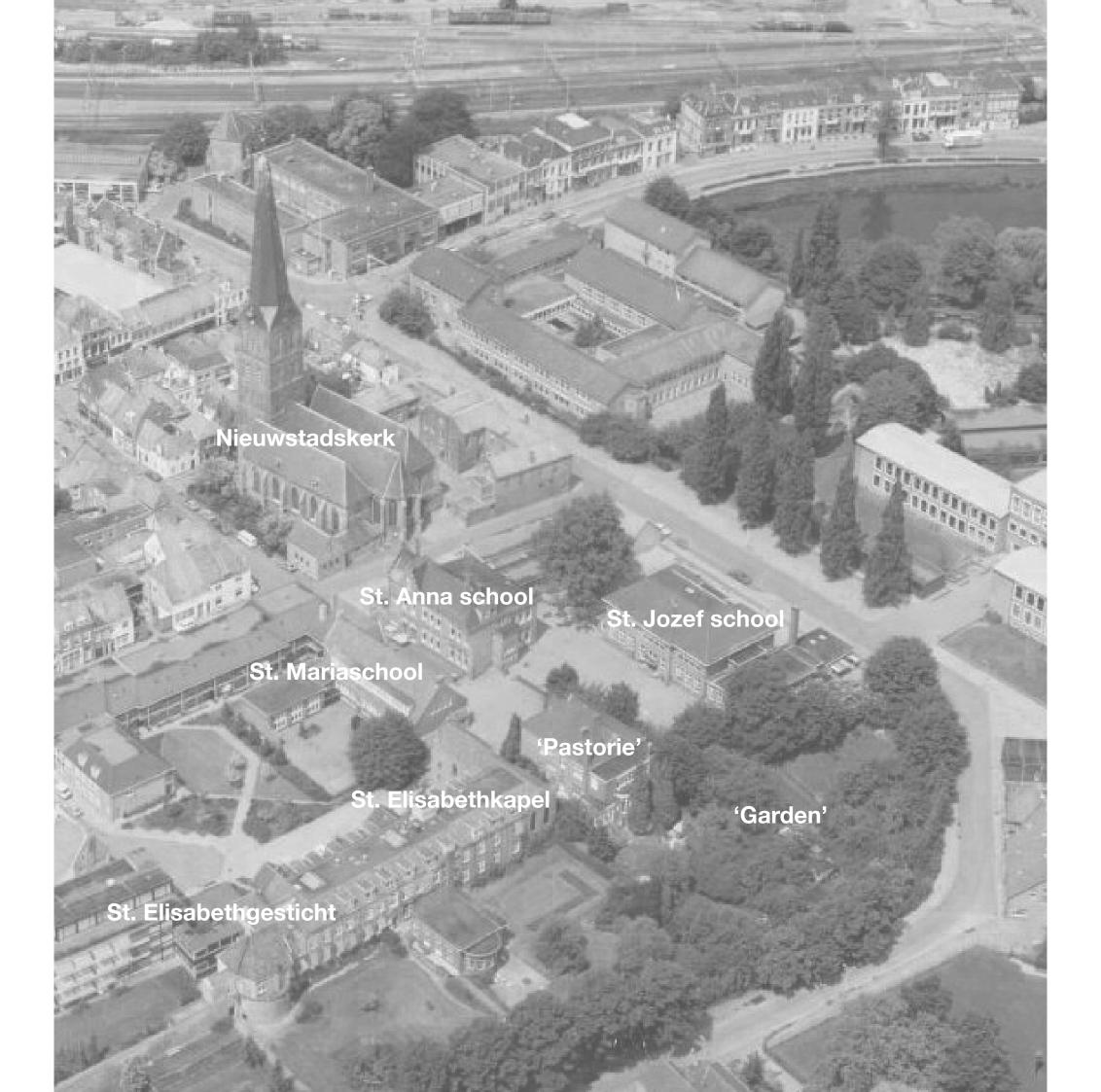


Image Aerial Photograph Nieuwstad (regionaalarchiefzutphen.nl)



Image
1 - Aerial Photograph of the Ensemble (own photo, december 20th, 2017)



- Image
 1 View on the tengnagelshoek (own photo, october 20th, 2017)
 2 Dieserstraat (screenshot google maps, own editing)



Image
1 - Schoolyard St. Jozef with on the right the Pastorie (own photo, october 20th, 2017)
2 - View on the St. Jozef seen from the Isendoomstraat (own photo, october 20th, 2017)



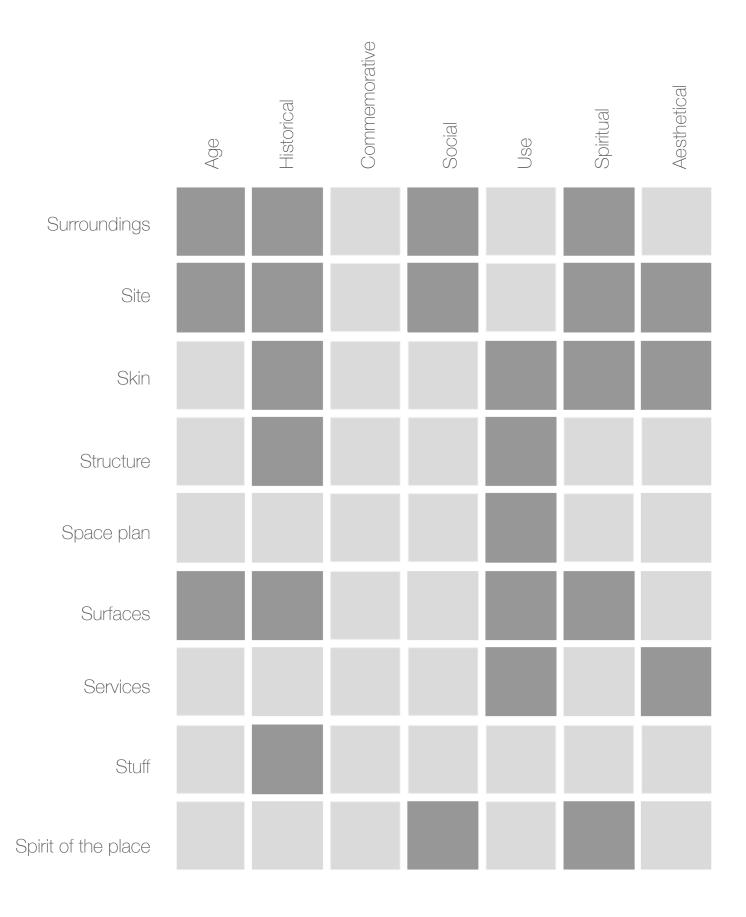
- Image
 1 Garden of the Pastorie(own photo, october 20th, 2017)
 2 Front facade of the pastorie (screenshot google maps, own editing)



- Image
 1 Garden of the Pastorie(own photo, october 20th, 2017)
 2 Front facade of the pastorie (screenshot google maps, own editing)

2. CULTURAL VALUES

CULTURAL VALUE MATRIX



TRANSFORMATION FRAMEWORK



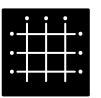
URBAN / SITE



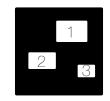
ENSEMBLE



SPIRIT OF PLACE



Grid Structure



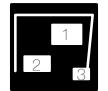
Solitair Buildings



Poliof



Building Block



Disappeared Building block



Education



Introvert



Ornamentation



Care



Park



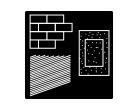
Timber Roof construction



Community



Floating buildings



Floor finishes

TRANSFORMATION FRAMEWORK



URBAN / SITE



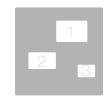
ENSEMBLE



SPIRIT OF PLACE



Grid Structure



Solitair Buildings



Poliof



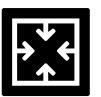
Building Block



Disappeared
Building block



Education



Introvert



Omamentation



Care



Park



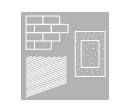
Timber Roof construction



Community

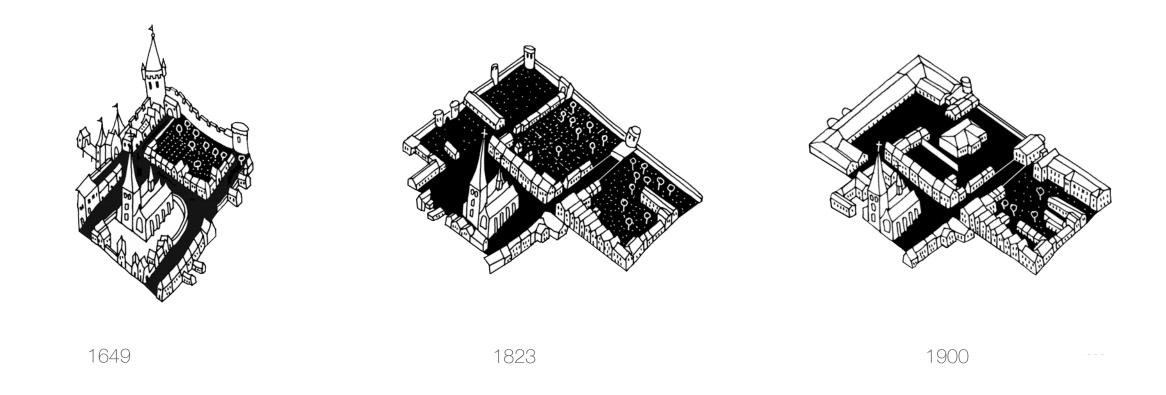


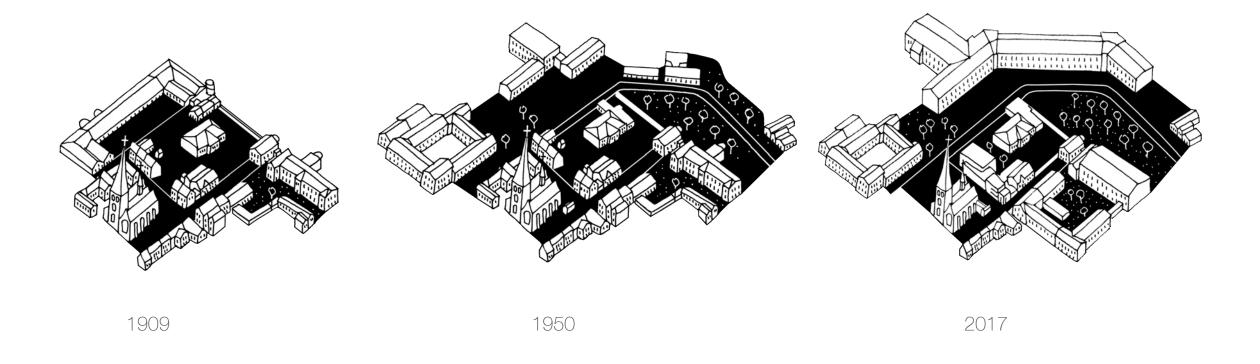
Floating buildings



Floor finishes

SPATIAL DEVELOPMENT





Figures
Spatial development of the north eastern border

J. BLAEU

DRAWING OF NIEUWSTAD 1649

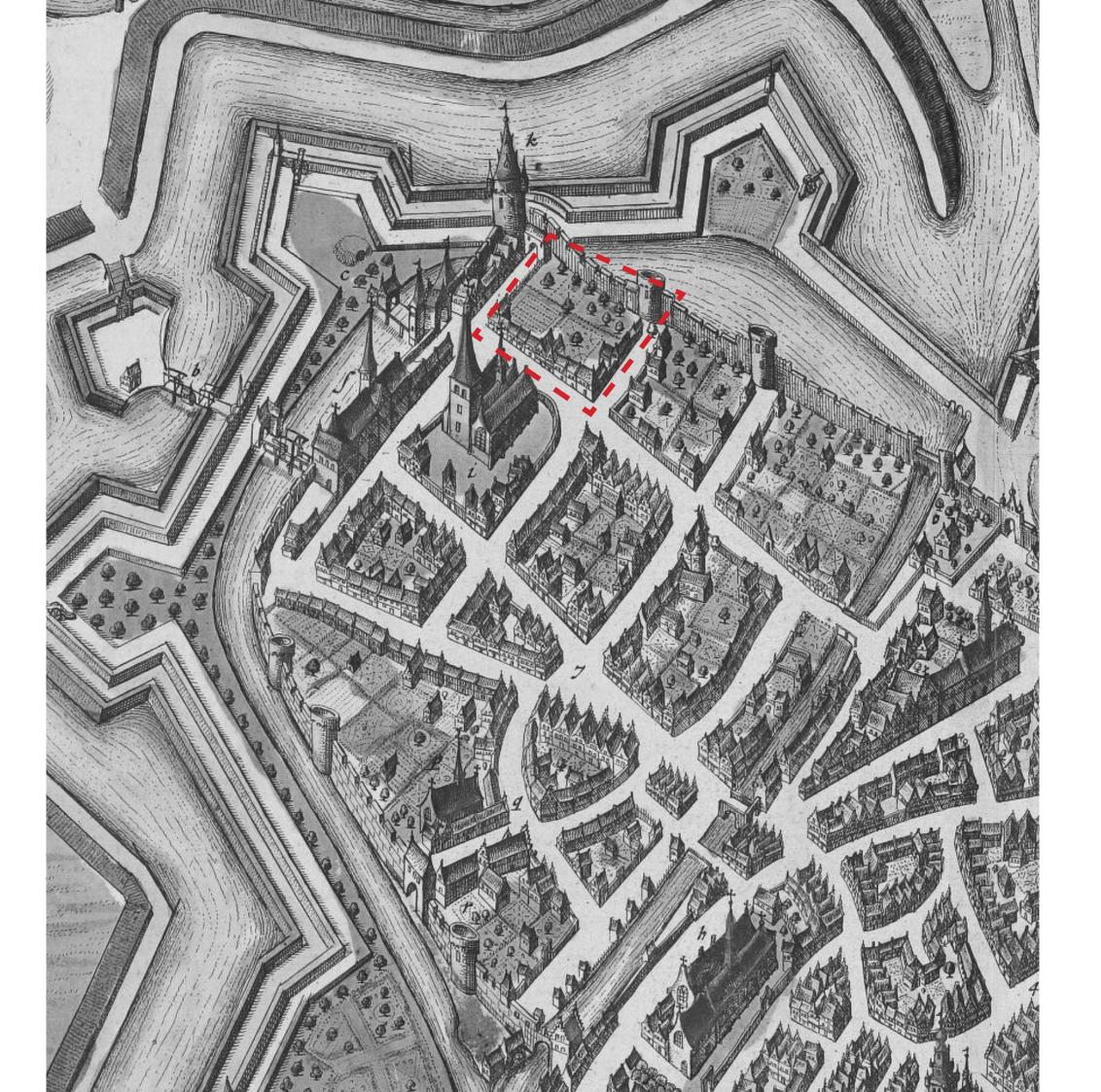
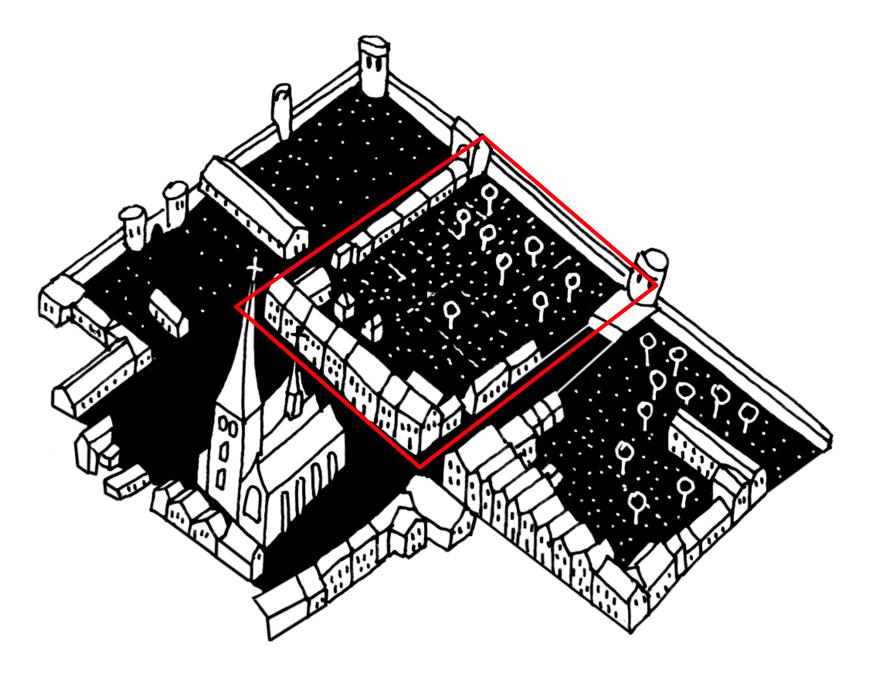
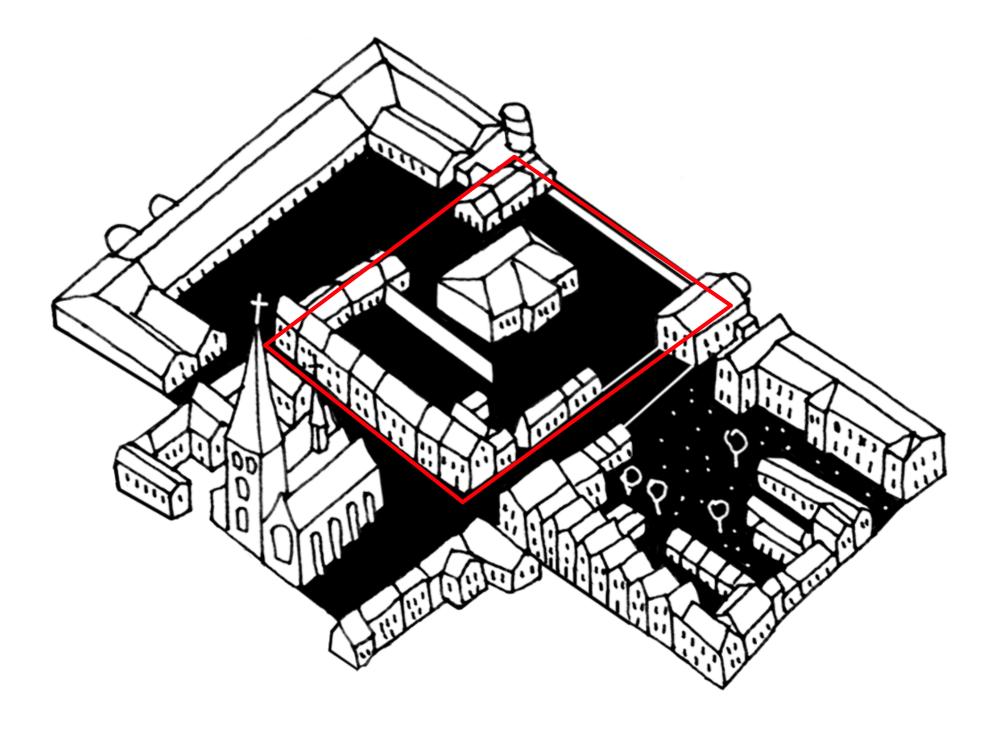


Image Stadsplattegrond van Zutphen by J. Blaeu 1649 (Regionaalarchiefzutphen, own editing)

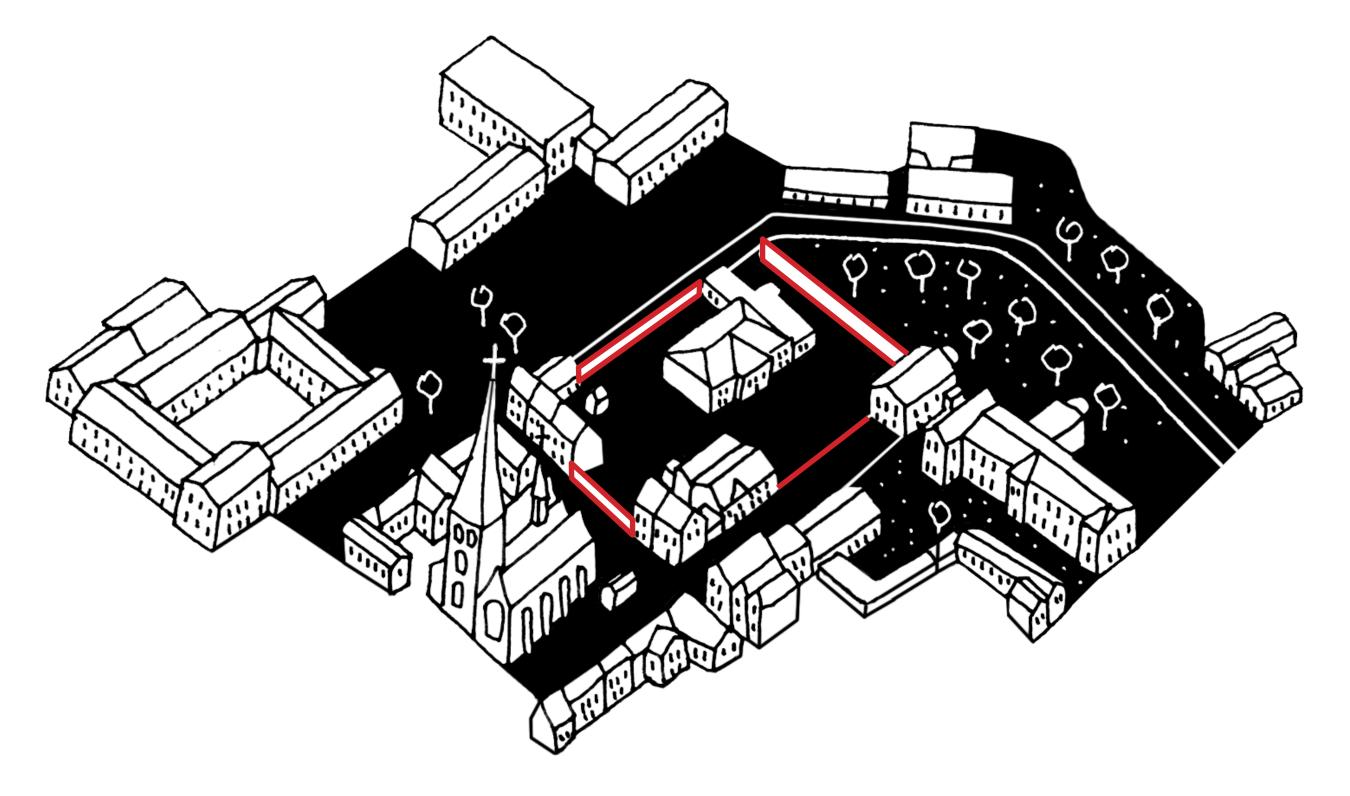




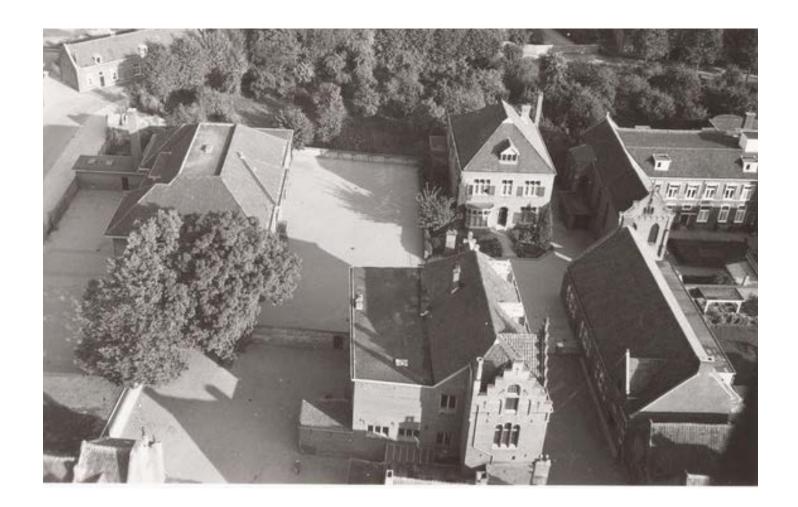




STARTING POINT - 1950s



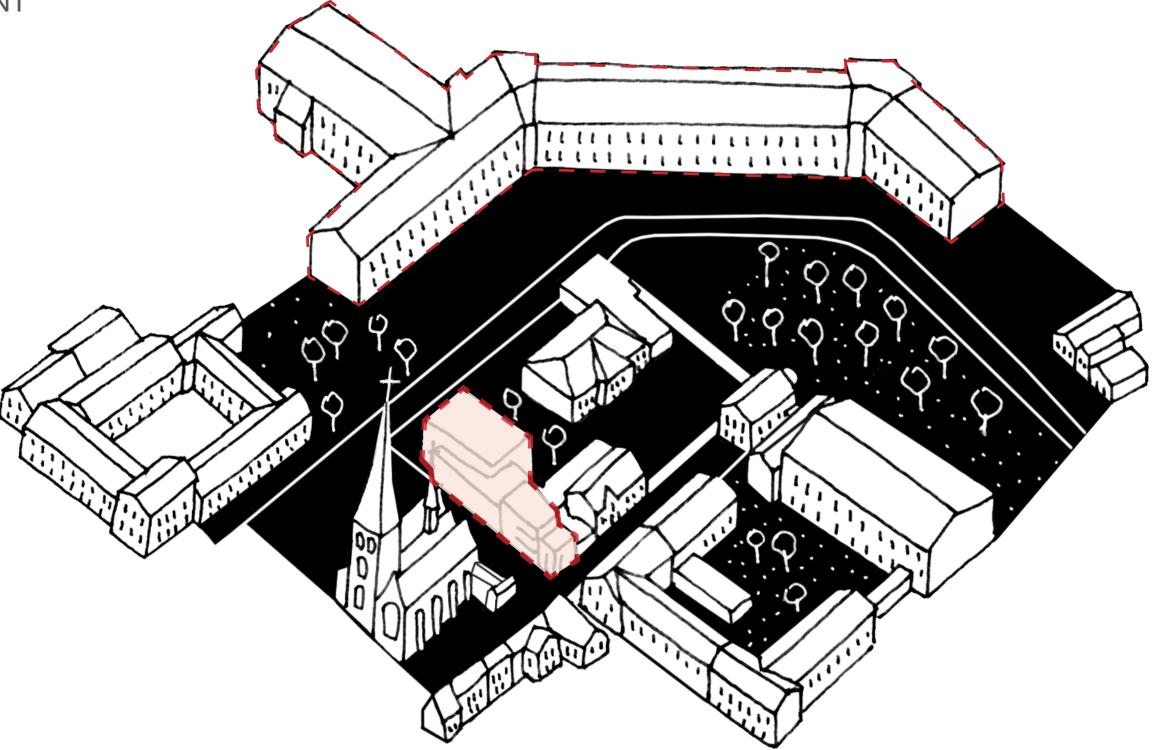
UPGRADE OF ST. JOZEF - 1950s





- Image
 1. Aerial view of the Klein Vaticaan Schools around the 1960s (regionaalarchiefzutphen)
- 2. Isendoornstraat around the 1960s (regionaalarchiefzutphen)

ST. ANNA EXTENSION - 2000



ST. ANNA EXTENSION - 2000





- Image1. Dieserstraat around 1915 (reidinga.nl)2. Dieserstraat screenshot from google maps (own editing)

URBAN CHARACTERISTICS

GRID STRUCTURE WITH BUILDING BLOCKS







Closed/Introvert character

Building Block



URBAN CHARACTERISTICS

GRID STRUCTURE WITH BUILDING BLOCKS







Floating buildings

Park

TRANSFORMATION FRAMEWORK



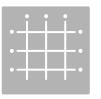
URBAN / SITE



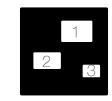
ENSEMBLE



SPIRIT OF PLACE



Grid Structure



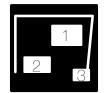
Solitair Buildings



Daliaf



Ruilding Block



Disappeared Building block



Education



Introvert



Ornamentation



Care



Park



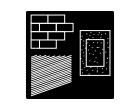
Timber Roof construction



Community



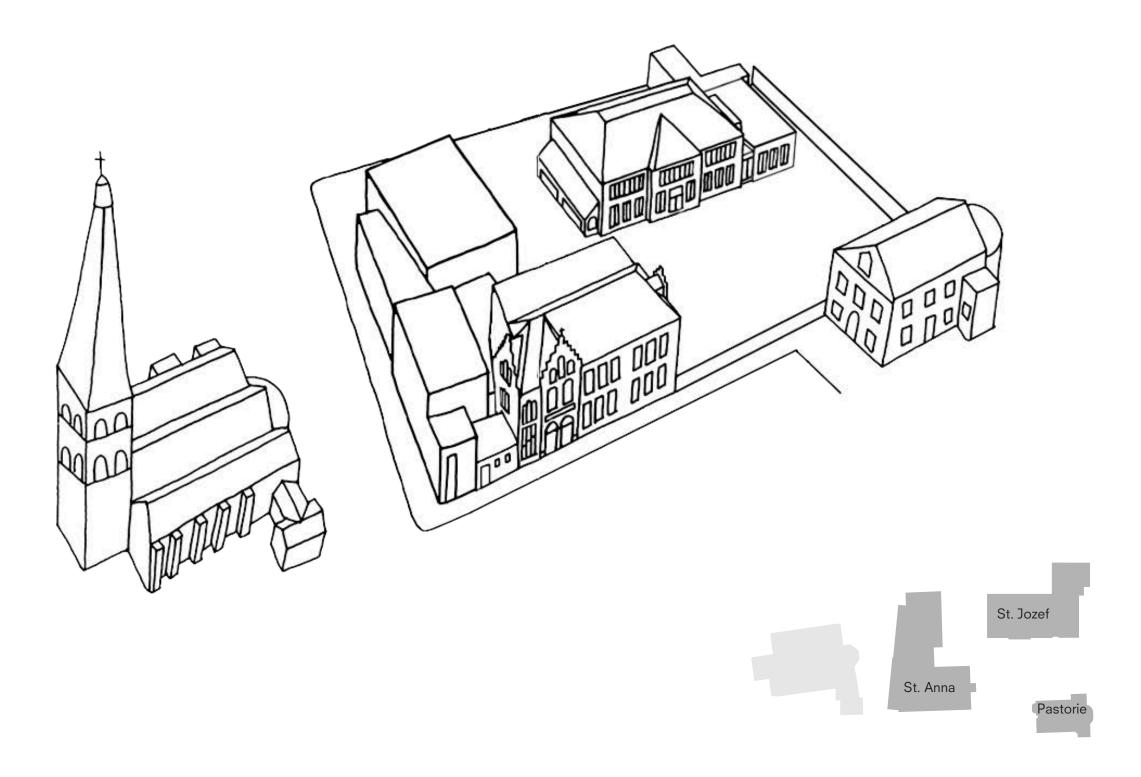
Floating building



Floor finishes

SITE CHARACTERISTIC

ARCHITECTURAL ENSEMBLE





CHARACTERISTICS - ENSEMBLE





Architectural Ensemble

Ornamentation

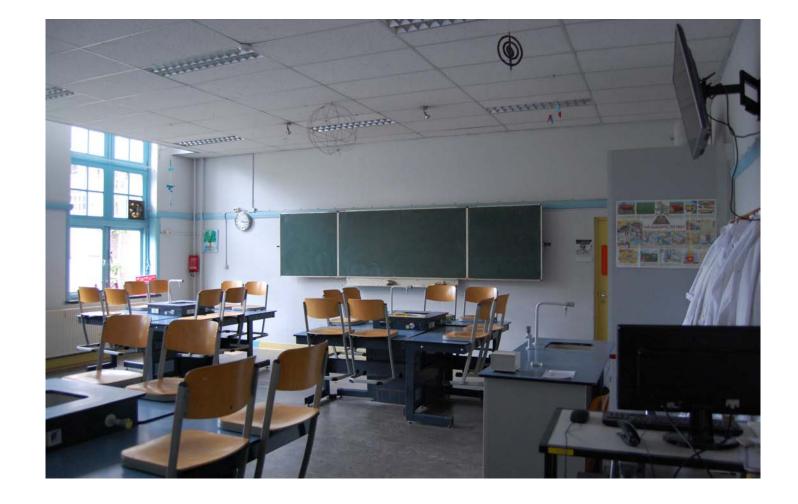
- Image
 1 The south facade of the St. Jozef after 1934. (regionaalarchiefzutp-
- 2 The south facade of the St. Anna with the new extension by LKS-VDD on the west. (own photo, 2017)
 3 The west facade of the Pastorie (own photo, 2017)







CHARACTERISTICS - CLASSROOMS



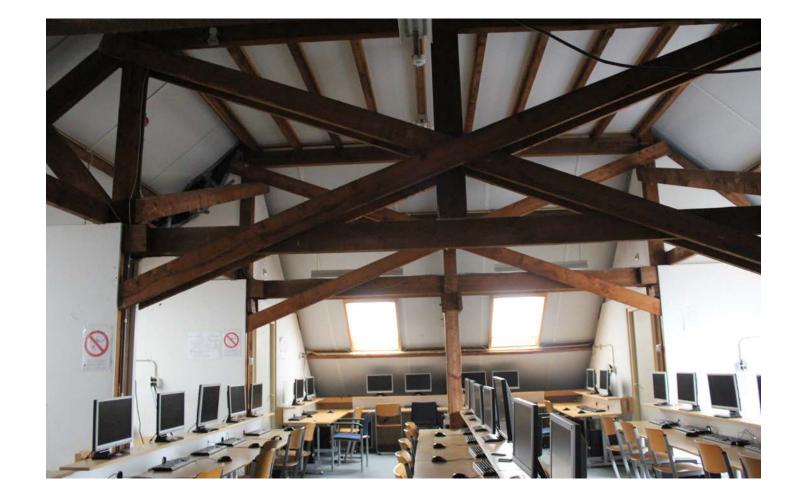




Architectural Ensemble

Images Classrooms of the St. Jozef (own photo, 2017)

CHARACTERISTICS - CONSTRUCTION



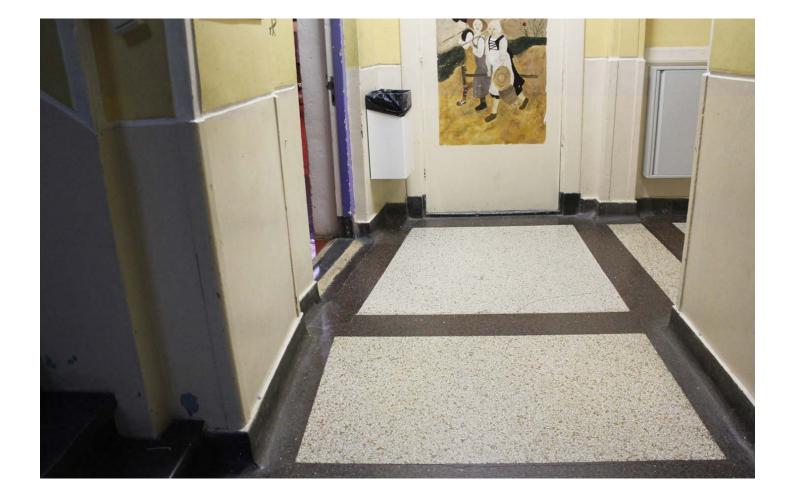


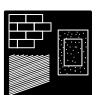
- Image
 1 Timber roof construction of St. Jozef (own photo, 2017)
 2 Timber roof construction of St. Anna (own photo, 2017)



CHARACTERISTICS - FLOOR FINISHING







Floor Finishes

- Image
 1 Ceramic flooring St. Jozef (own photo, 2017)
 2 Terazzo flooring St. Anna (own photo, 2017)
 3 Linoleum flooring extension St. Anna (own photo, 2017)

CHARACTERISTICS - STAIRCASES

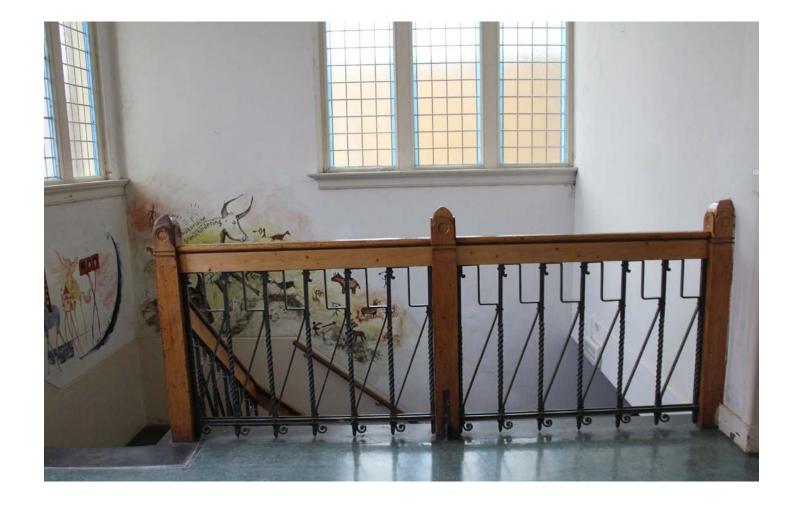




Image 1 - Art Nouveau Staircase of St. Anna (own photo, 2017) 2 - Staircase St. Jozef (own photo, 2017)

Architectural Ensemble



TRANSFORMATION FRAMEWORK



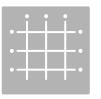
URBAN / SITE



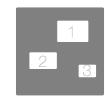
ENSEMBLE



SPIRIT OF PLACE



Grid Structure



Solitair Buildings



Poliof



Building Block



Disappeared Building block



Education



Introvert



Ornamentation



Care



Park



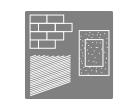
Timber Roof construction



Community

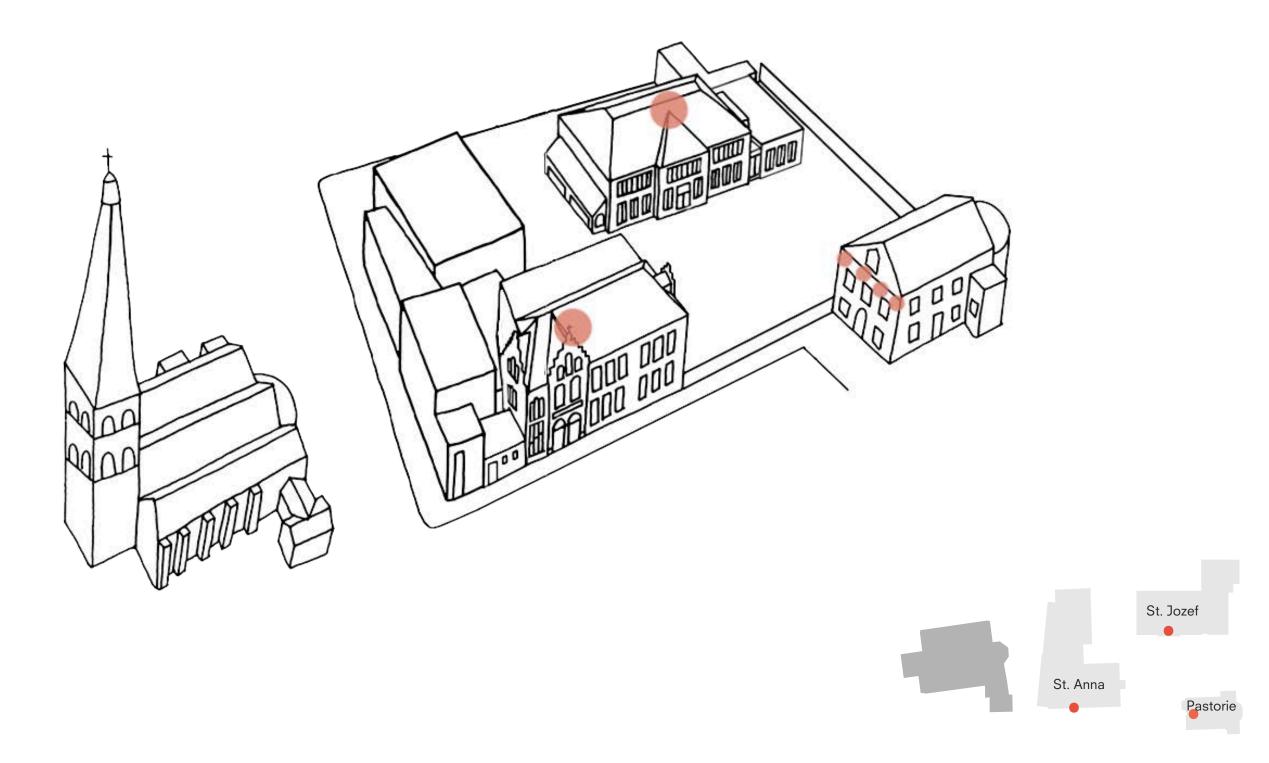


Floating building



Floor finishes

SPIRIT OF THE PLACE CATHOLIC HERITAGE









Catholic Heritage



SPIRIT OF THE PLACE

CHARACTERISTICS - ENSEMBLE



Being part of a community



Catholic Heritage

- Image
 1 Cross symbol on the roof pitch of the St. Jozef. With the church tower in the background (own photo, september 29th, 2017)
 2 Cross symbol on the roof pitch of the St. Anna. (own photo, sep-
- 3 Cross symbol ornamentation on the Pastorie. (own photo, december 20th, 2017)







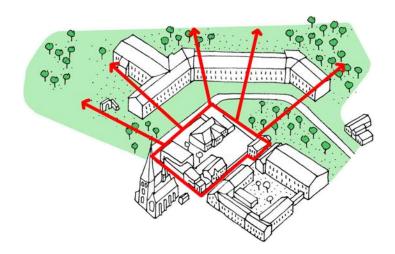
3. BRIEF

Research Question:

How can an ensemble of Heritage buildings be transformed in order to create a coherent and resilient site, which reconnects with the city?

COMMUNAL HERITAGE

SOCIETAL CHARACTERISTICS OF THE KLEIN VATICAAN









Catholic Heritage

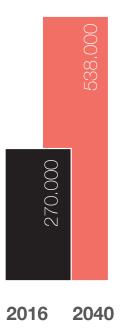






RELEVANCE DEMENTIA IN THE NETHERLANDS

Dementia Netherlands





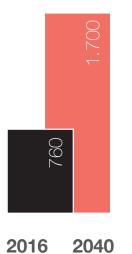


1 out of 7 men and 1 out of 3 woman get dementia

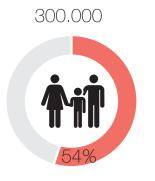


Avarage rate of people getting dementia in the Netherlands

Zutphen



Family Care



54% of the 300.000 Family care givers are under high pressure 4% is under extreme pressure



Time spent on giving care by Familiy Care givers





CARE CENTRES

DEMENTIACARE





Image
1 - Herbergier Ehze (herbergier.nl, accessed on december 30th, 2017)
2 - Sutfene, de Lunette (koopmans.nl, accessed on june 18th, 2018)
3 - Zorgcentrum Hogeweyk (archtiectenweb.nl, accessed on december 30th, 2017)





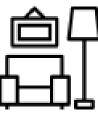


PROGRAMME

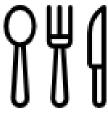
PROGRAMME BASED ON REFERENCES



PRIVATE ROOMS



LIVING ROOMS



KITCHEN



LEISURE AREA / DAYTIME CARE



GROCERY STORE / PHARMACY



FYSIOTHERAPY



GYM



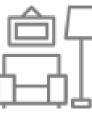
OUTDOOR AREA

PROGRAMME

PROGRAMME BASED ON REFERENCES



PRIVATE ROOMS



LIVING ROOMS



KITCHEN



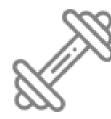
LEISURE AREA / DAYTIME CARE



GROCERY STORE / PHARMACY



FYSIOTHERAPY



GYM



OUTDOOR AREA



FAMILY CARE

FAMILY CARE

FAMILY CARE CONCEPT



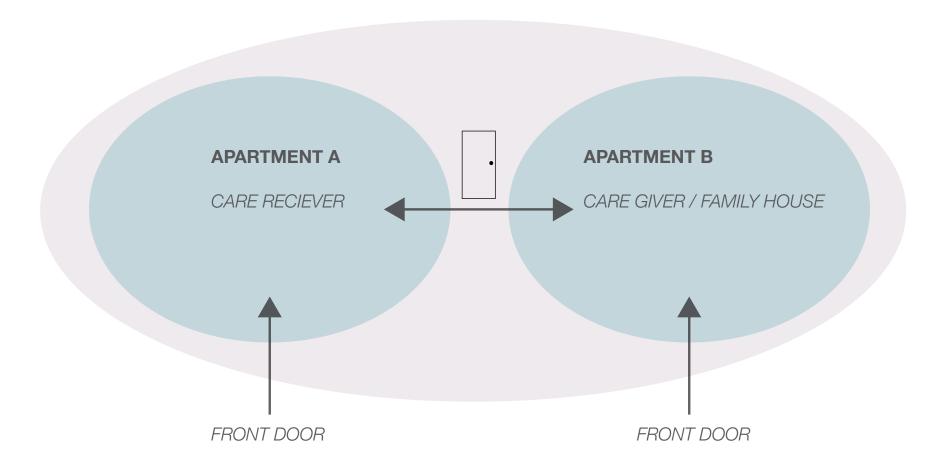
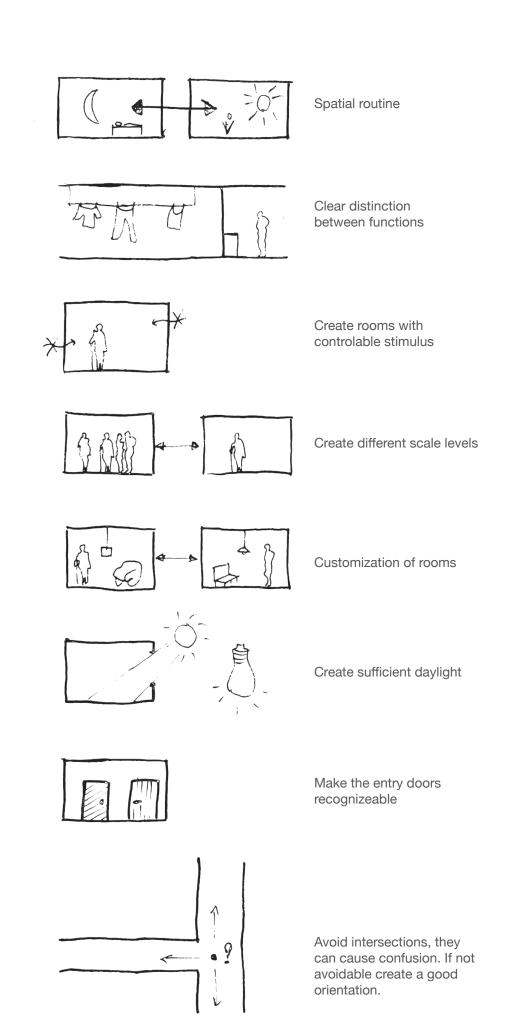


Image
1 - Zorgeloos mantelzorgen, Groningen (kaw.nl, accessed on december 30th, 2017)

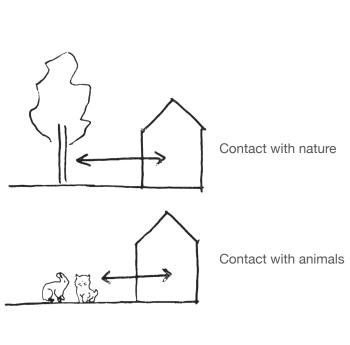
DEMENTIA

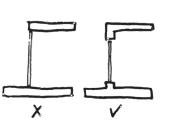
ARCHITECTURAL CHARACTERISTICS





Design aspects on dementia based on the research by Renske van Dieren (own illustrations)





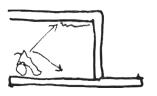
Floor to ceiling windows, can creates confusion



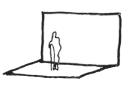
Roof windows, can create confusion



Take people in a wheelchair into account



People in a wheelchair experience the rooms differently

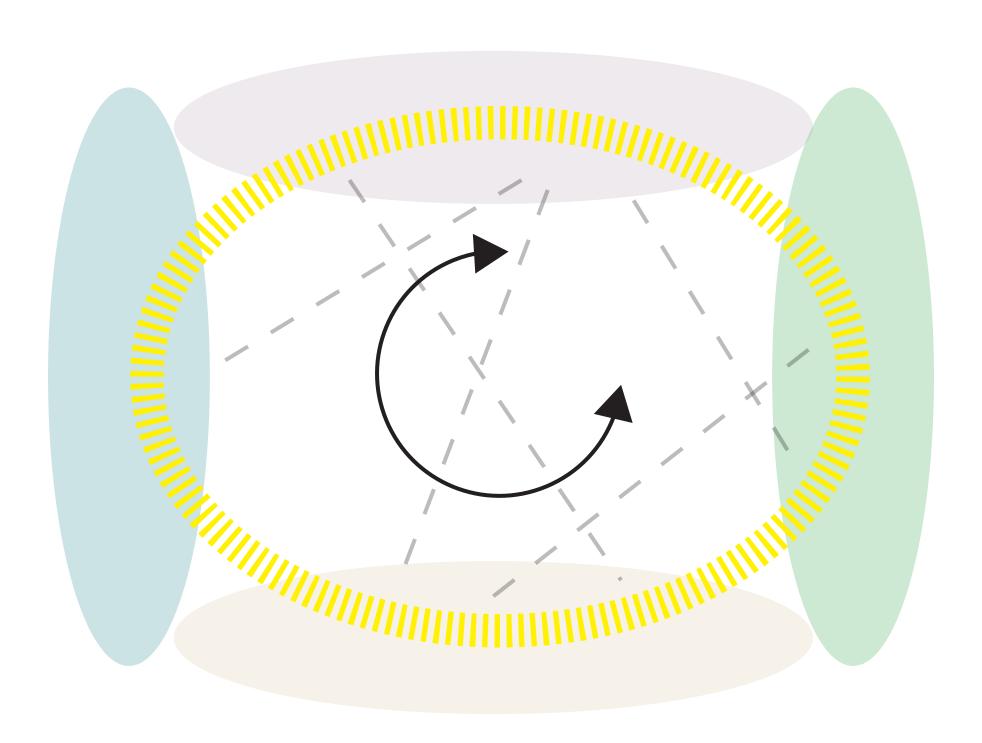


Make a clear distinction between wall and floor



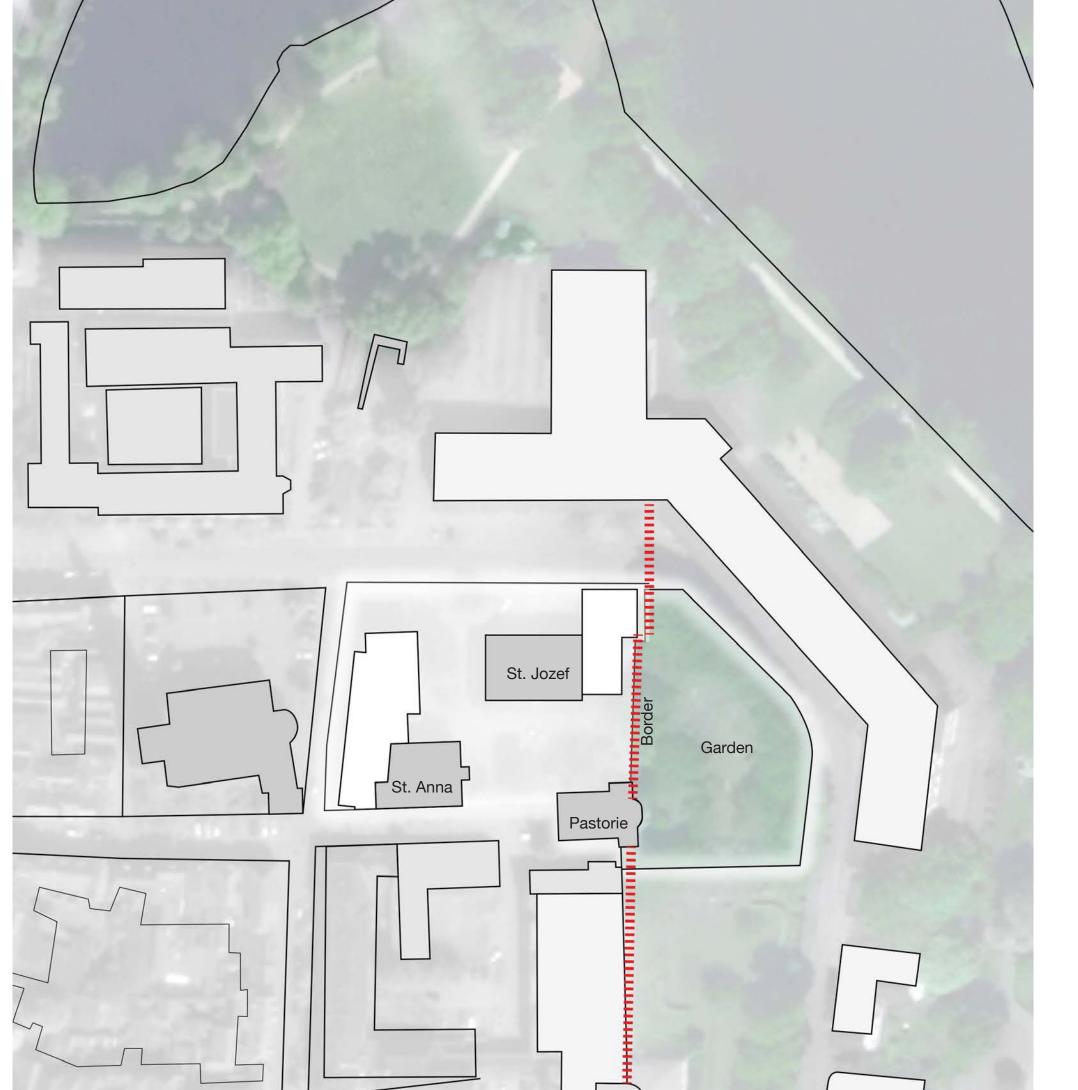
Create a contrast between door and wall when the room is for the patients

DEMENTIAARCHITECTURAL CONCEPT



4. STRATEGY

STRATEGY 1. STARTING POINT









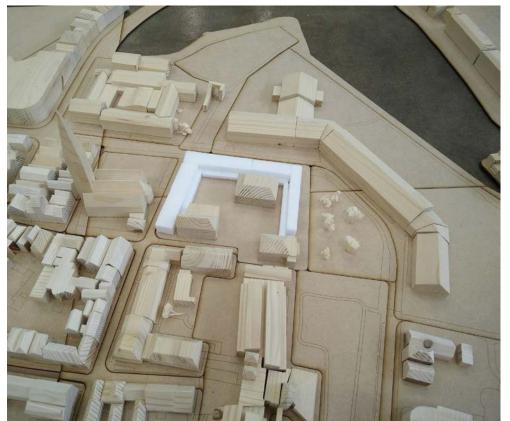
Floating Buildings

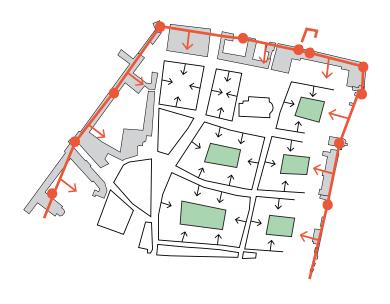
2. DENSIFICATION - STUDIES















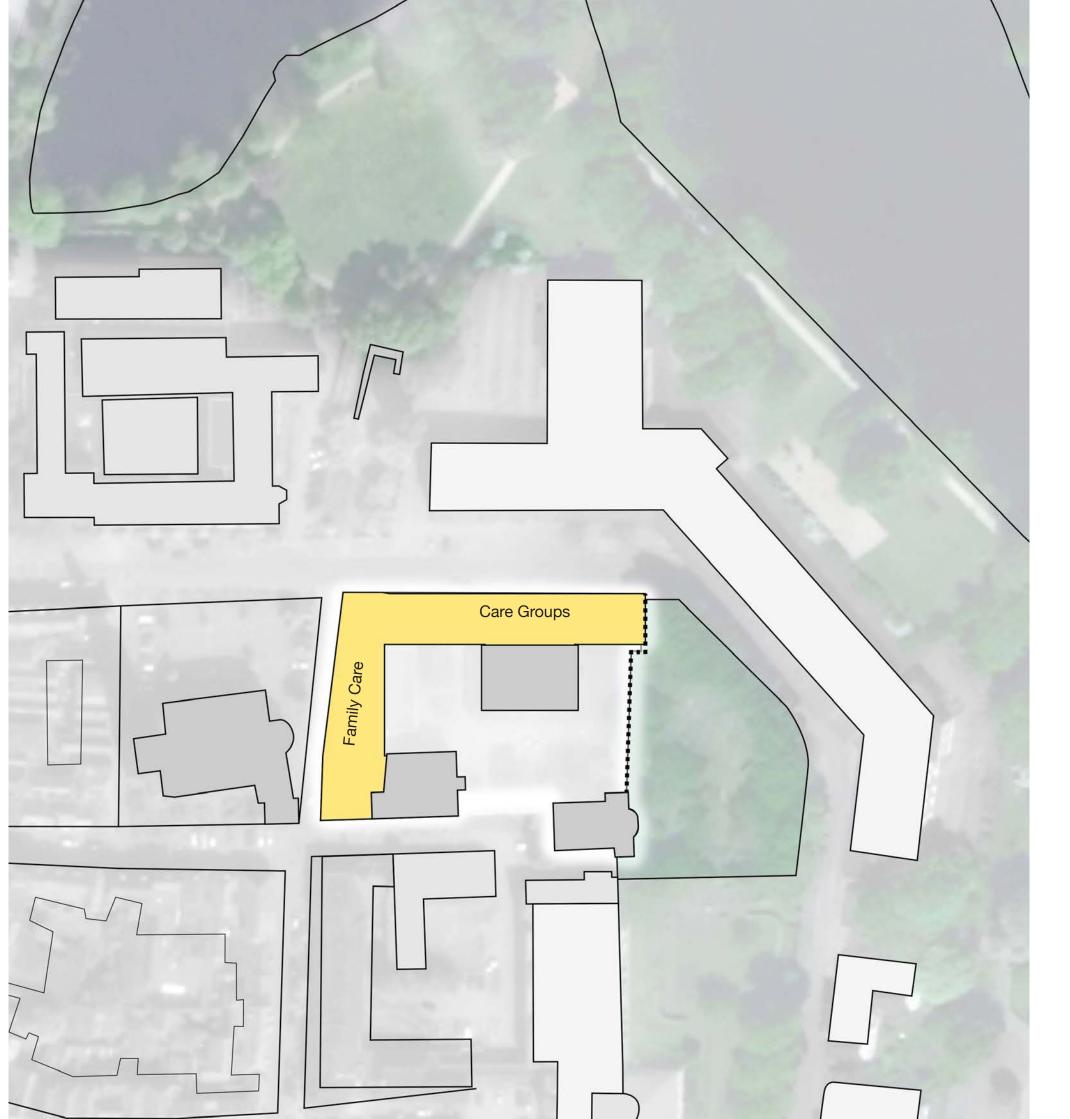
Closed/Introvert character

vert Building block



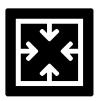
25m

2. DENSIFICATION - BUILDING BLOCK











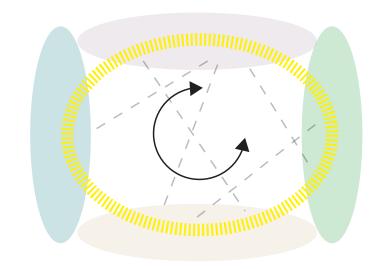
Closed/Introvert character

Building block

25m

3. EMPHASIZING THE BORDER





Organisation Concept

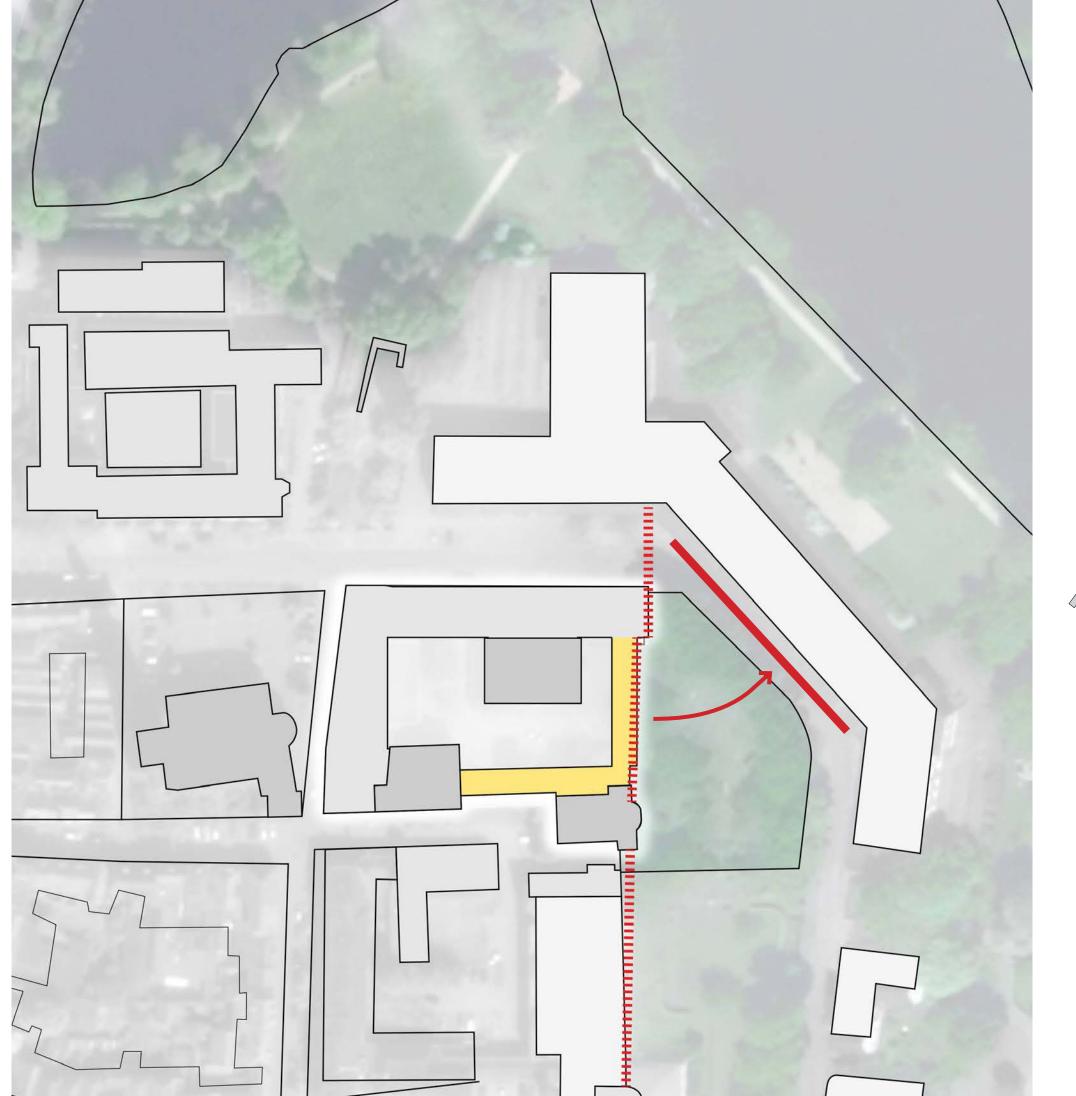


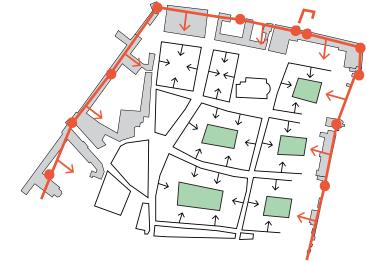


Building block



3. EMPHASIZING THE BORDER







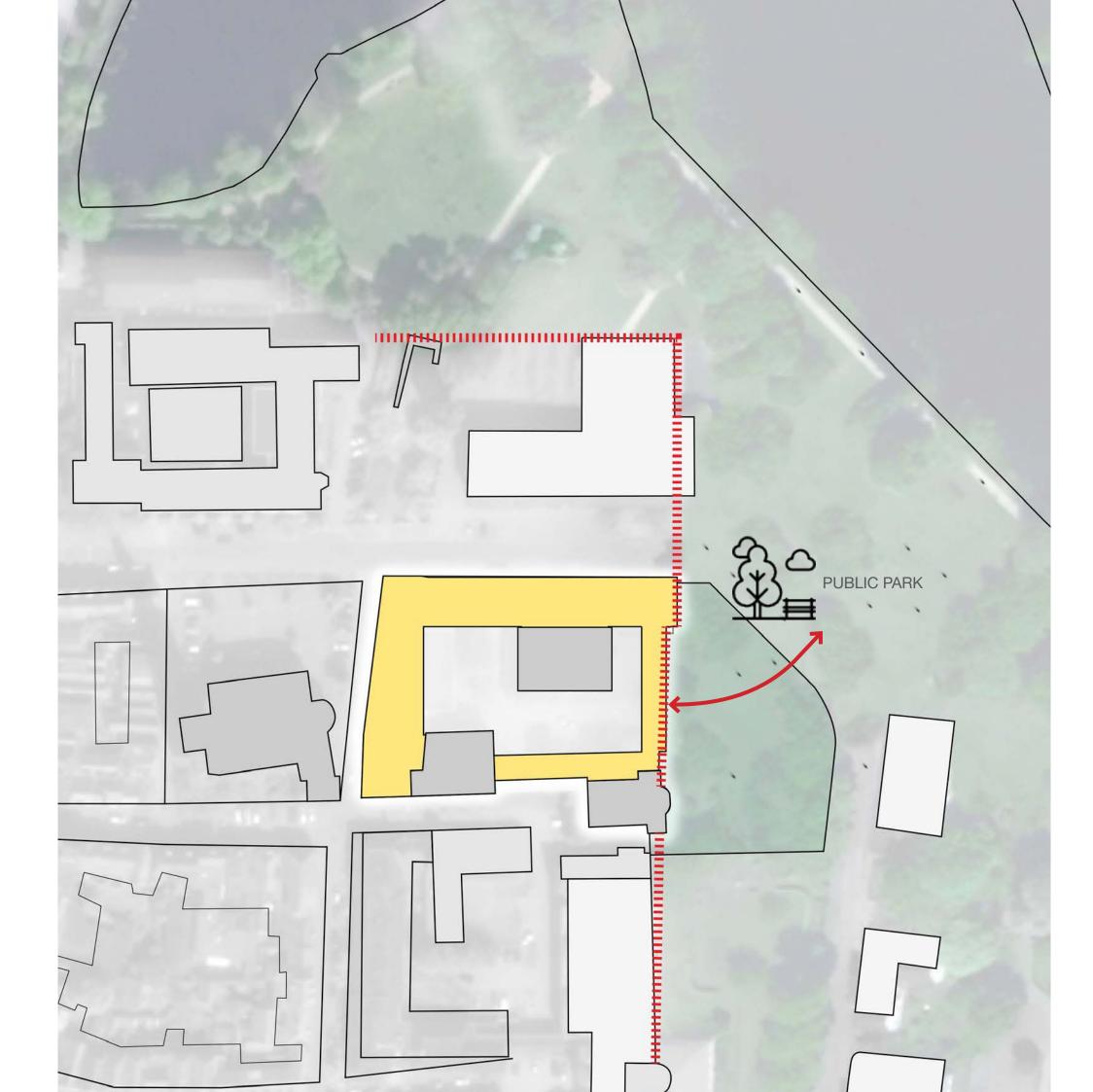


Closed/Introvert character

Building block



4. HEALING ENVIRONMENT





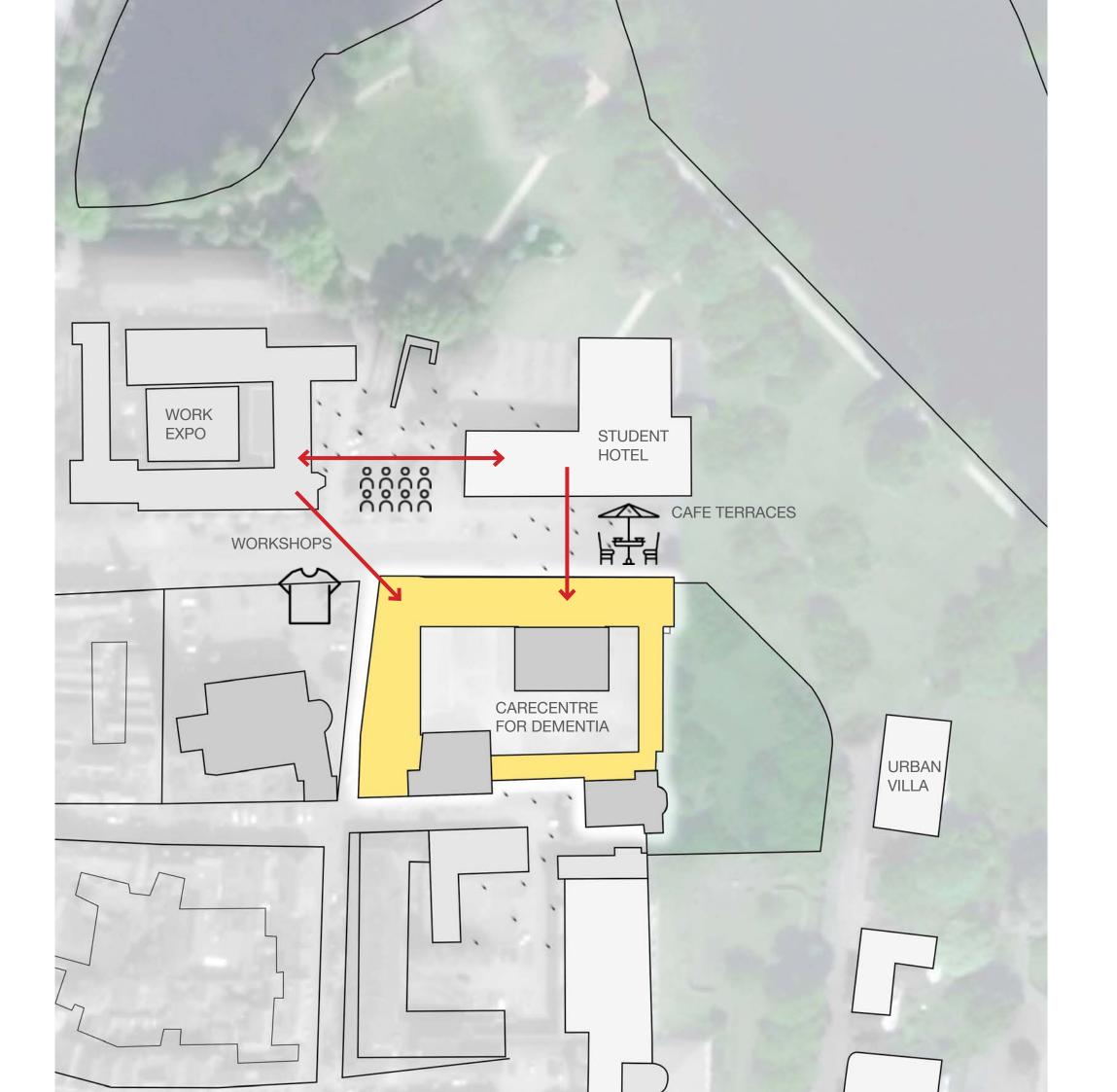


Building block

6. NEW FUNCTIONS AT THE NORTH







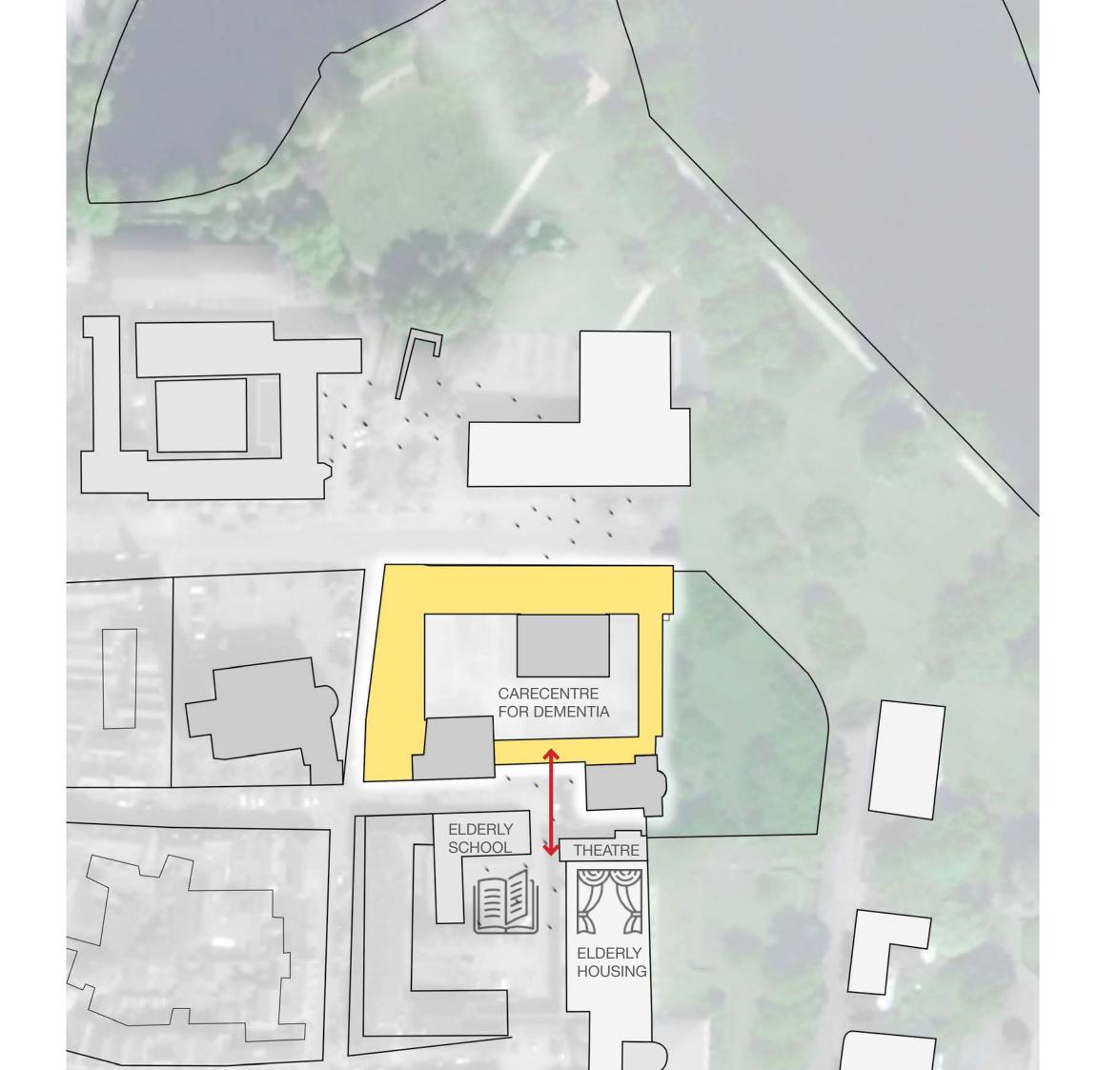


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7. CONNECTION TO THE CARE ENCLAVE



Being part of a community



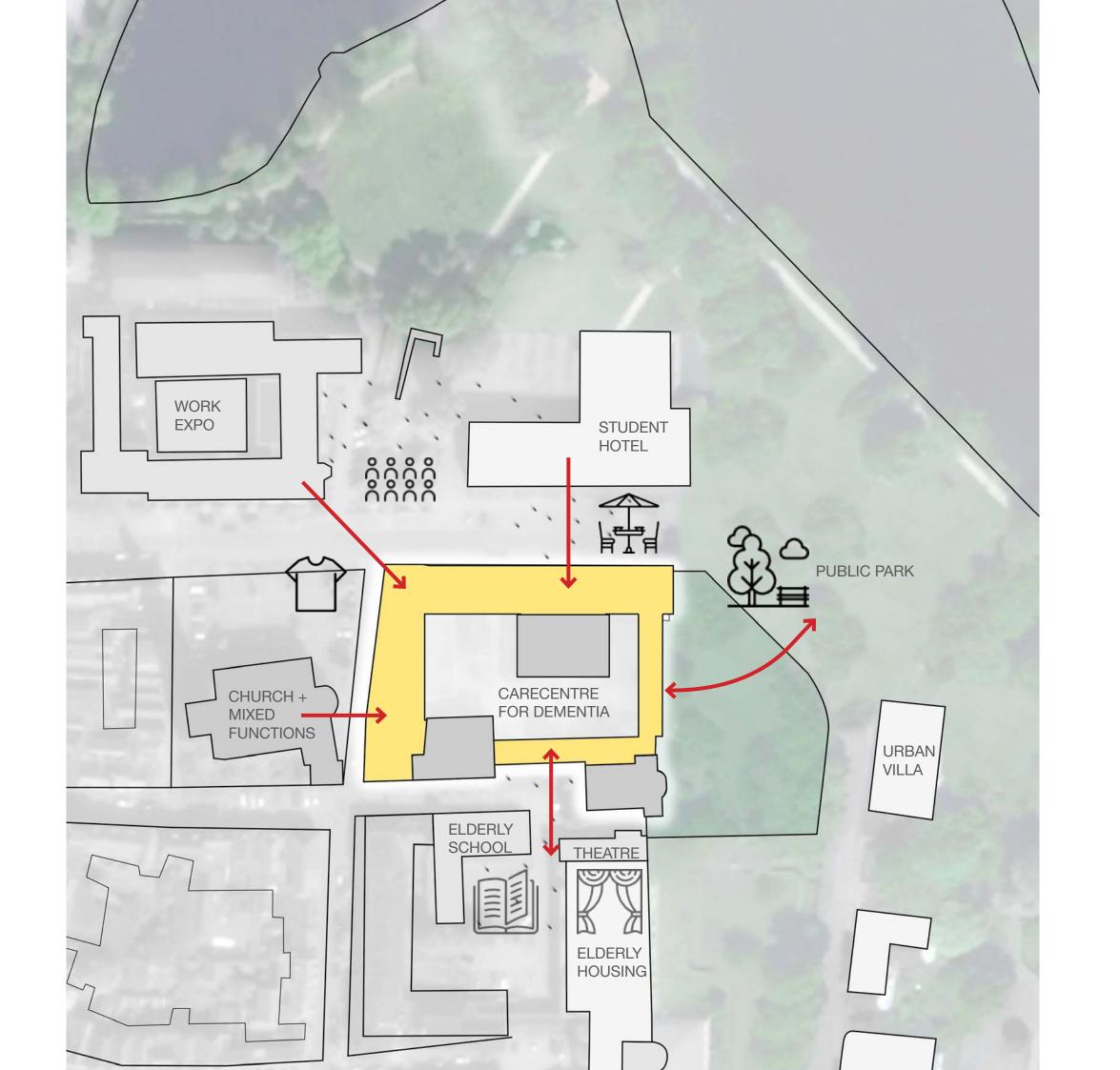




8. COMMUNAL THOUGHT



Being part of a community

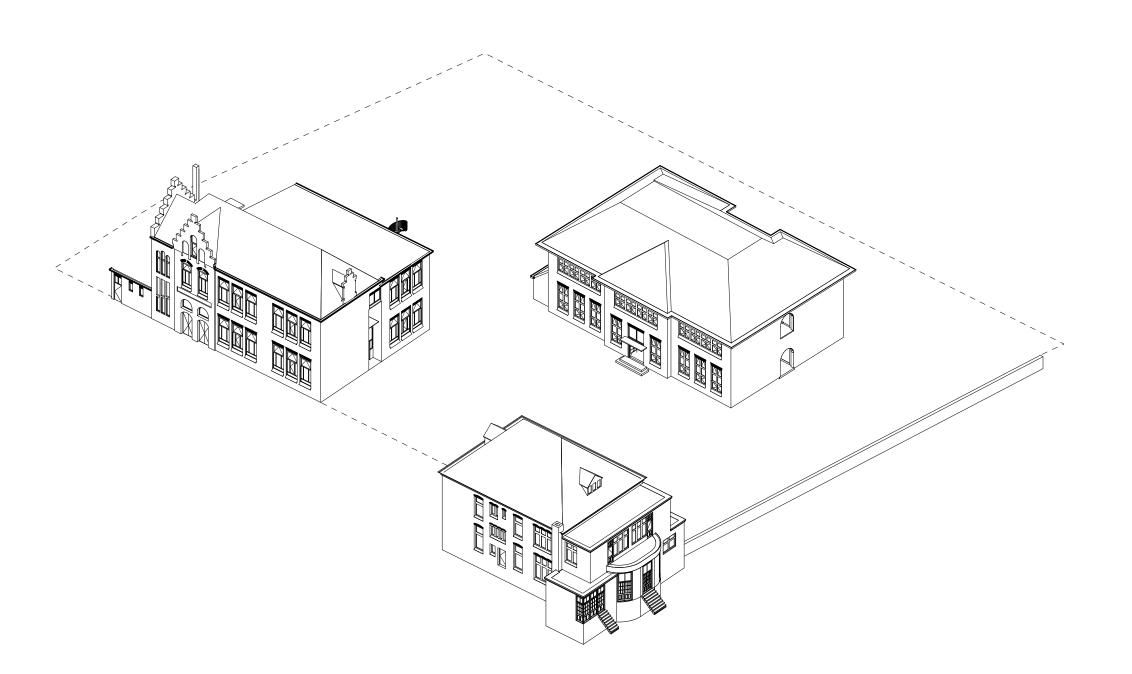






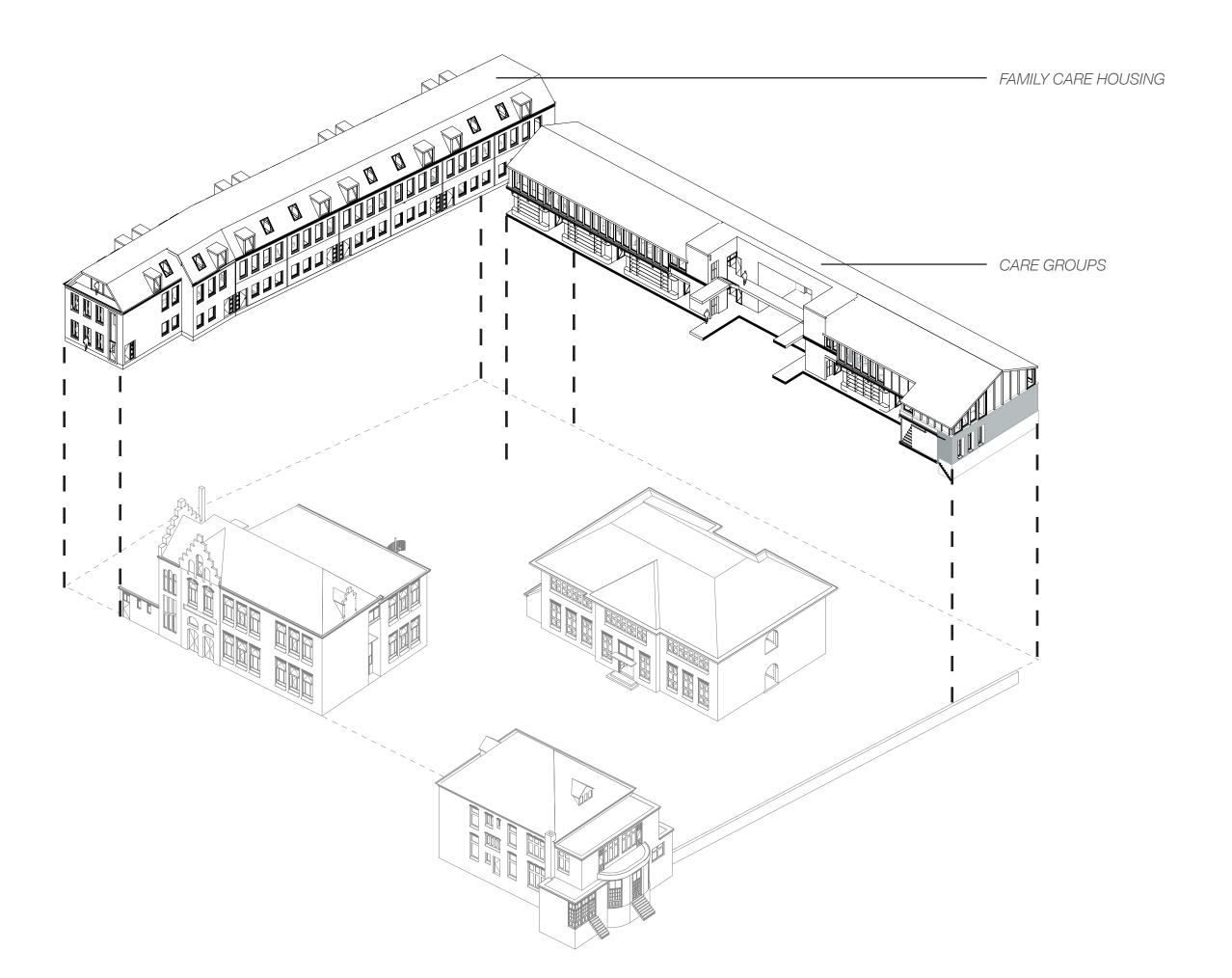
DESIGN CONCEPT

STARTING POINT- SITU AFTER DEMOLISHMENT



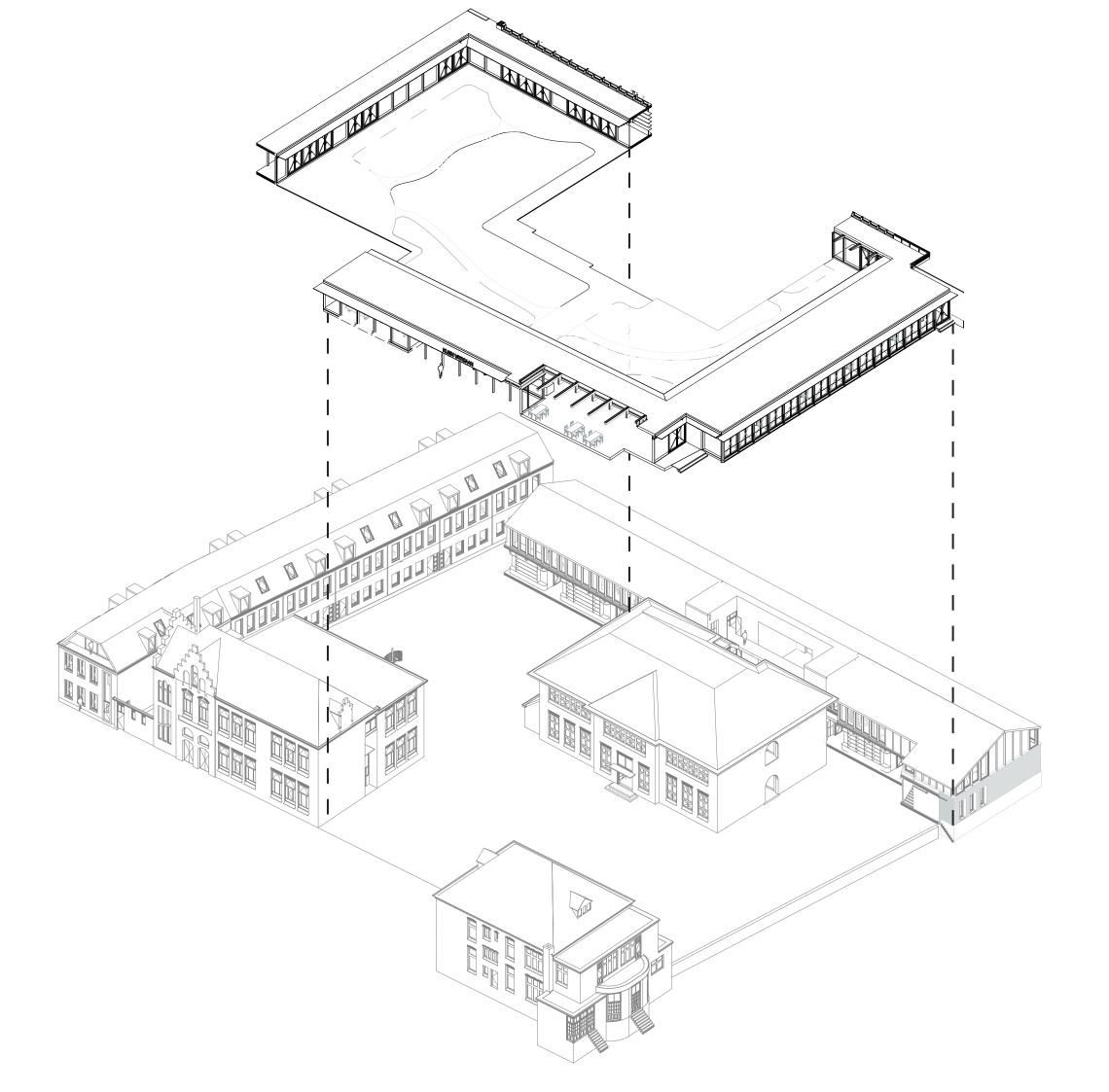
DESIGN CONCEPT

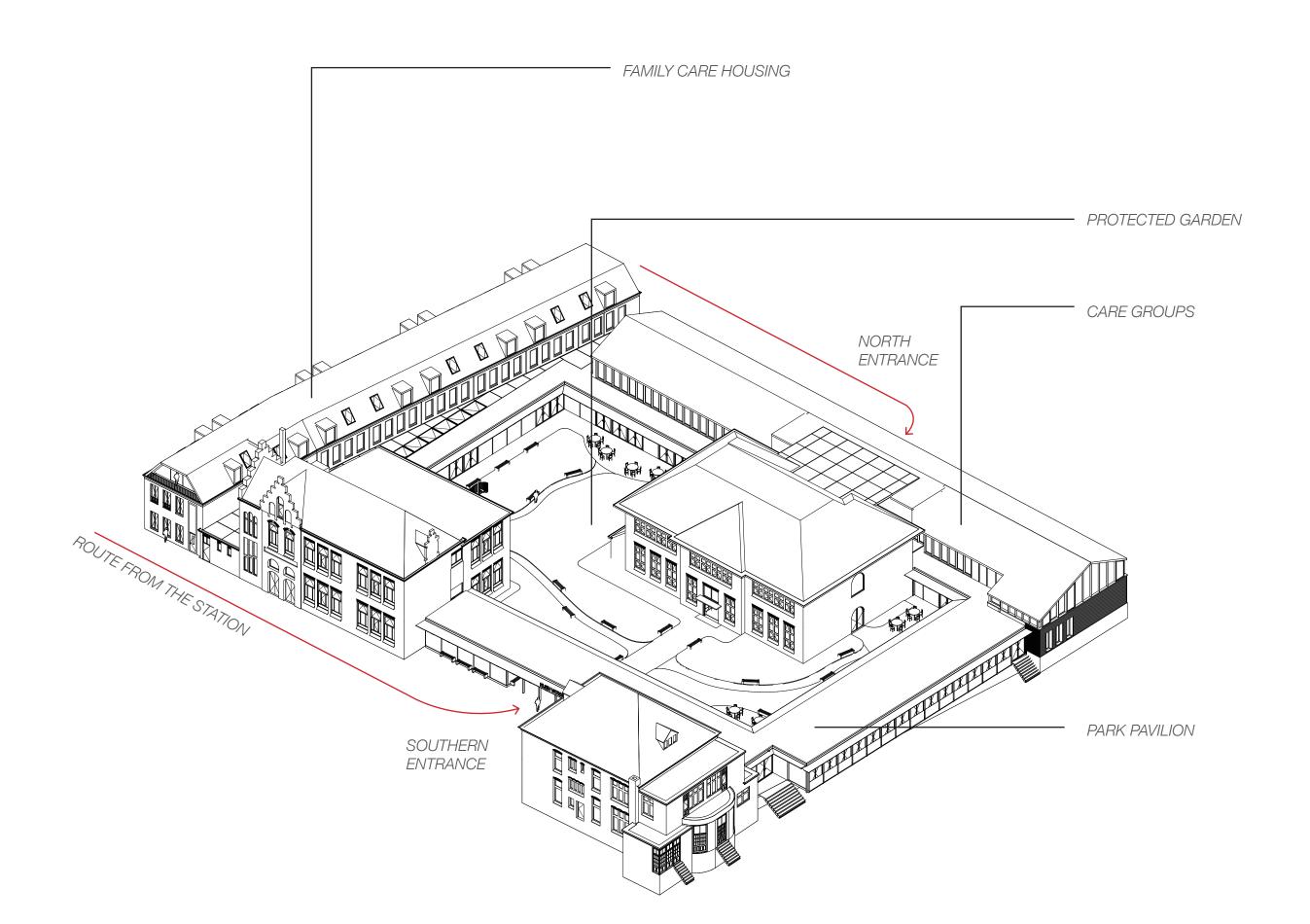
RECREATING THE BUILDING BLOCK



DESIGN CONCEPT

CONNECTING THE ENSEMBLE

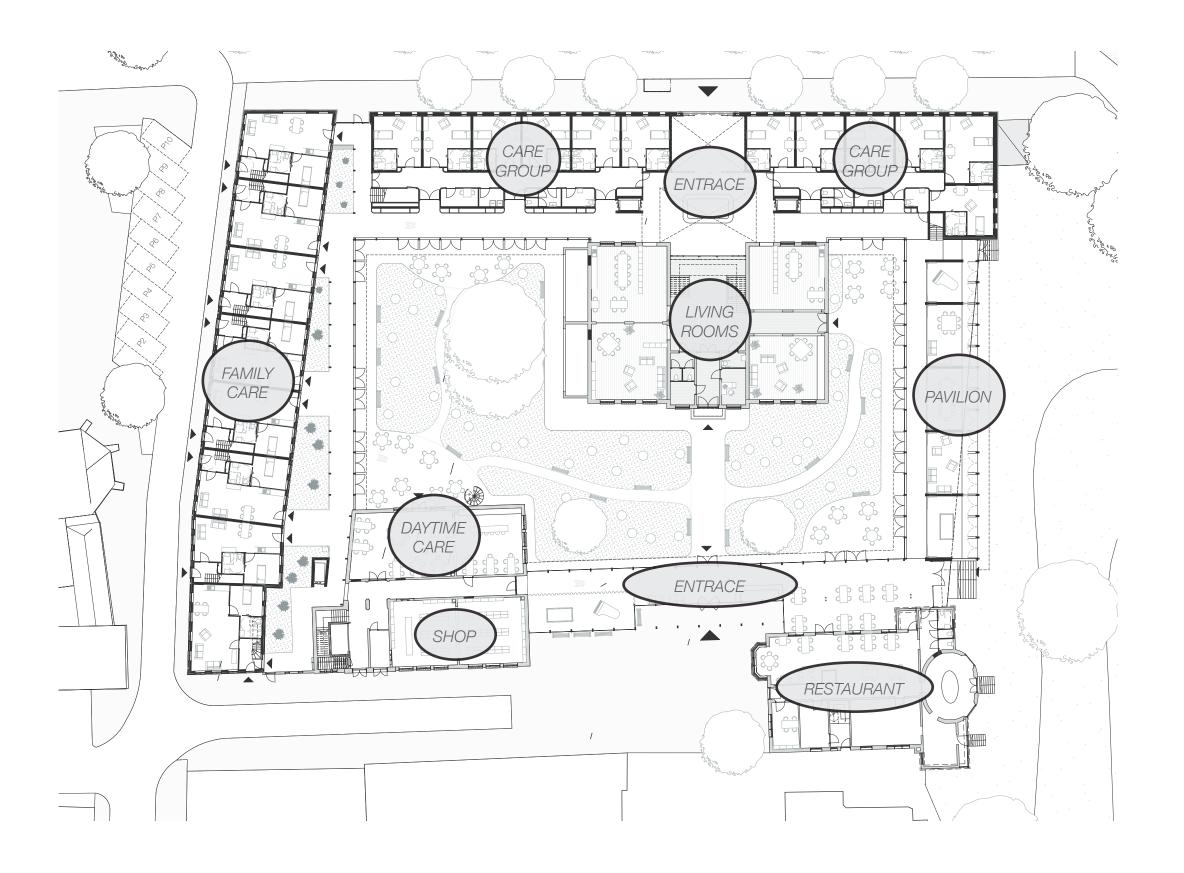




6. DESIGN

NEW SITUATION

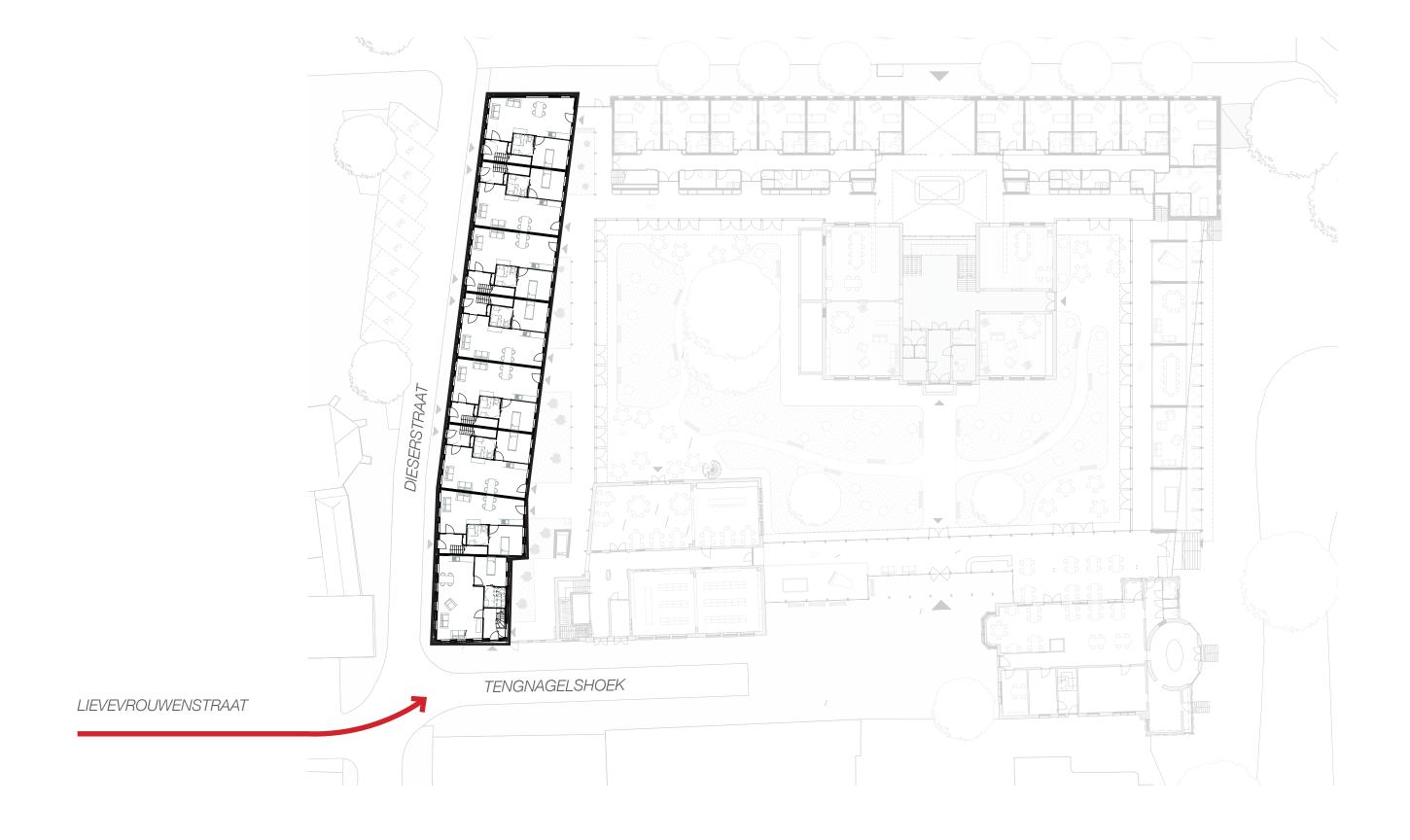
GROUND FLOOR





FAMILY CARE

DIESERSTRAAT





DIESERSTRAAT

REINTERPRETATION OF THE PAST



FACADE STUDY

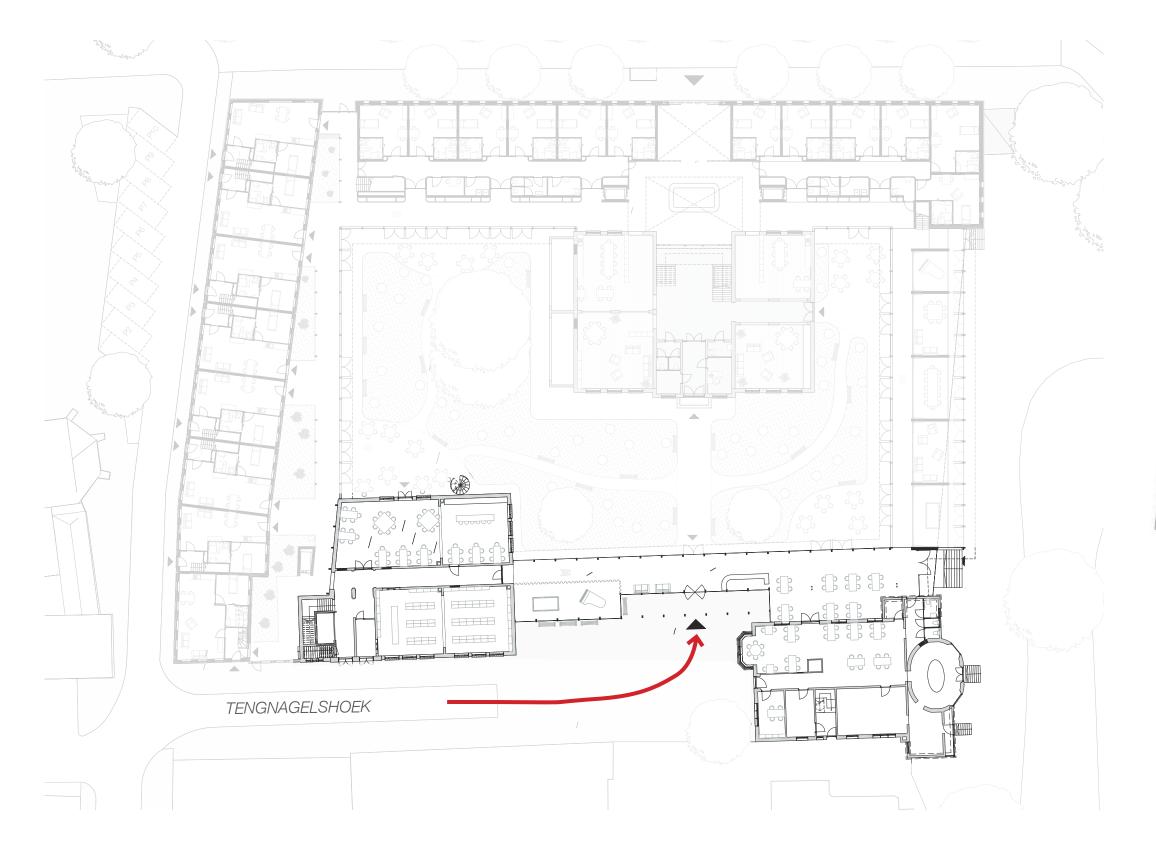
CORNER DIESERSTRAAT - TENGNAGELSHOEK

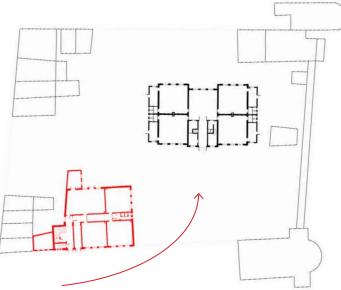




ENTRANCE ENSEMBLE

SOUTH ENTRANCE



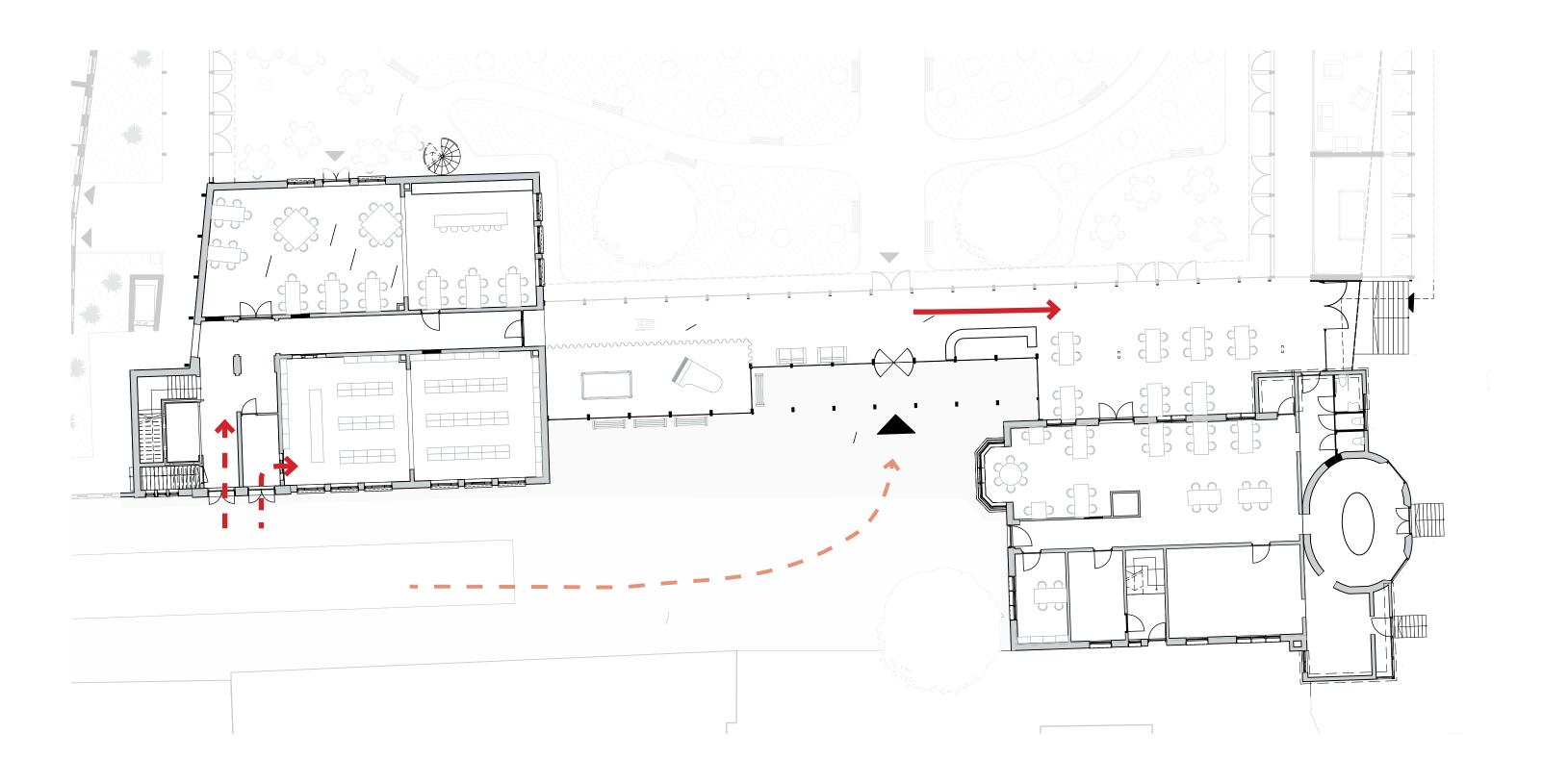


Entrance to the ensemble 1891



FOYER & RESTAURANT

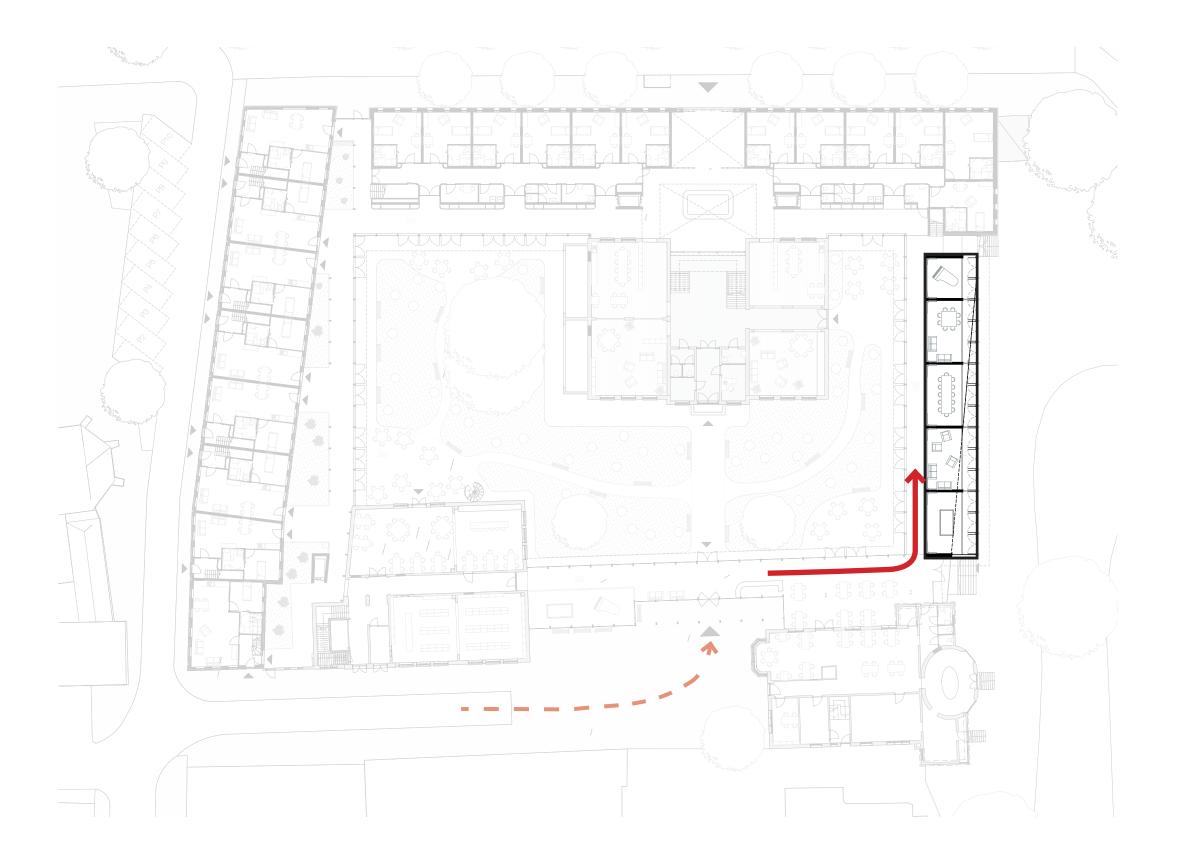
ST- ANNA & PASTORIE





PARKSIDE PAVILION

GROUND FLOOR



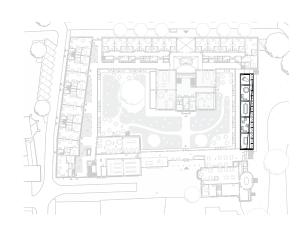




PARKSIDE PAVILION

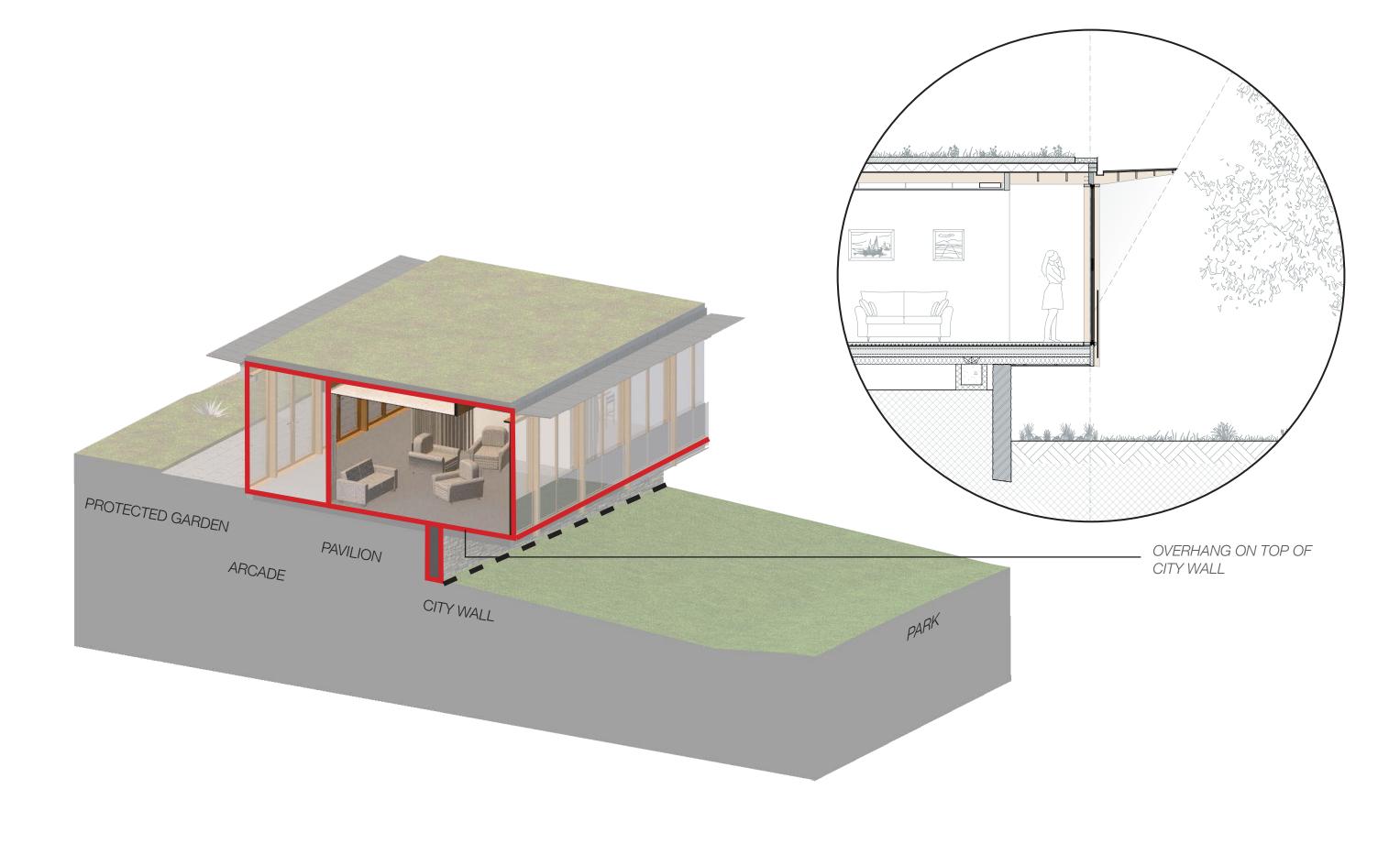
AXONOMETRY

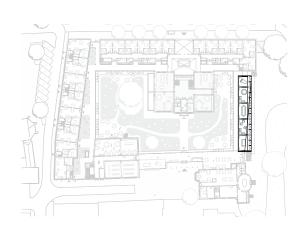






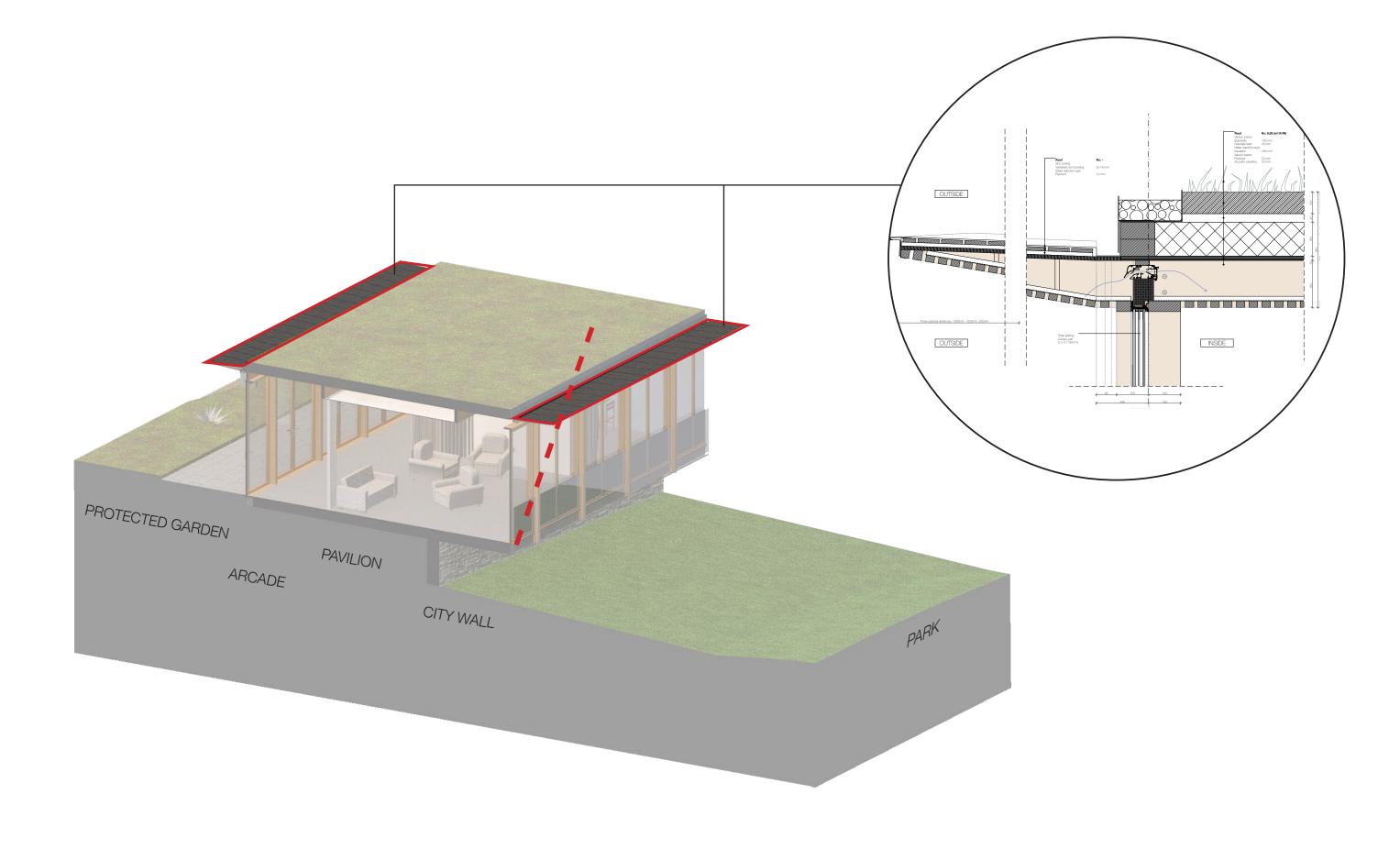
OVERHANG CITY WALL

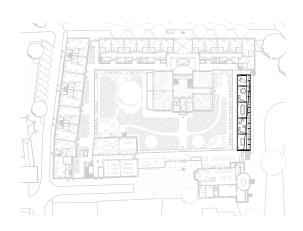






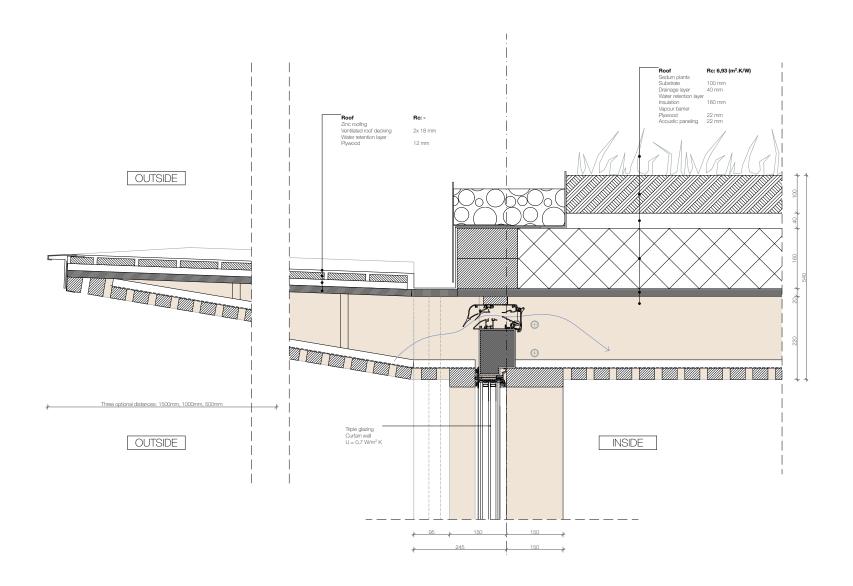
OVERHANG CITY WALL

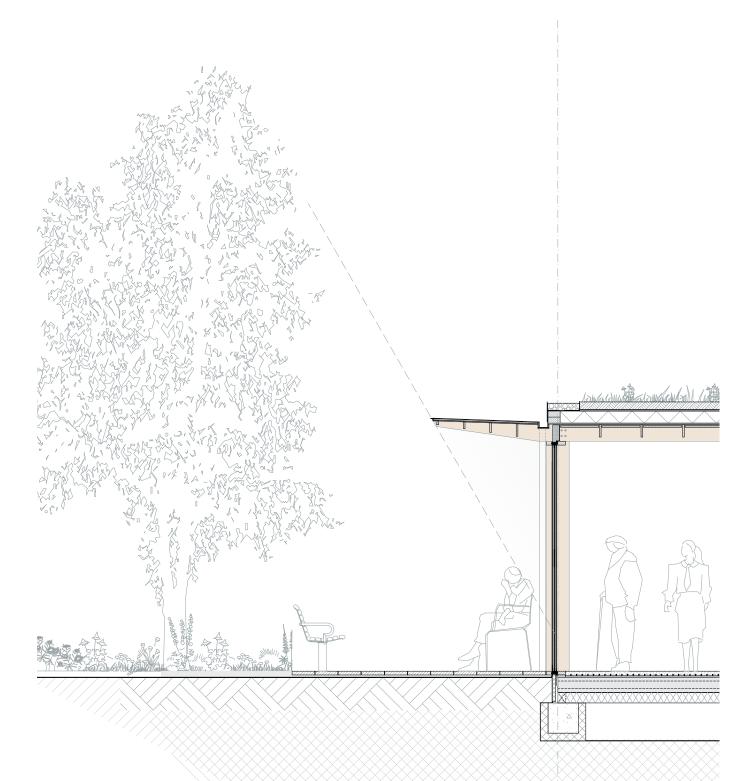




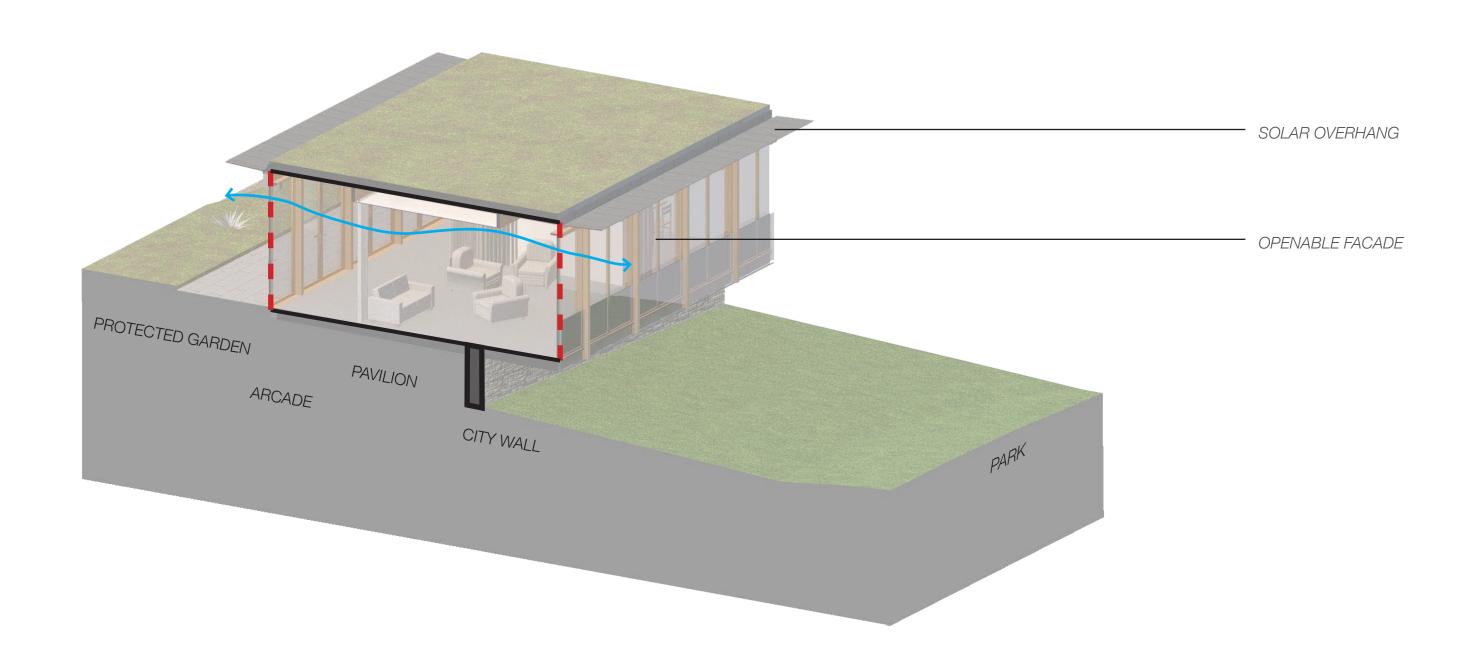


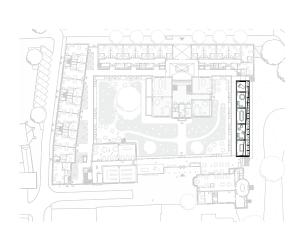
OVERHANG DETAIL





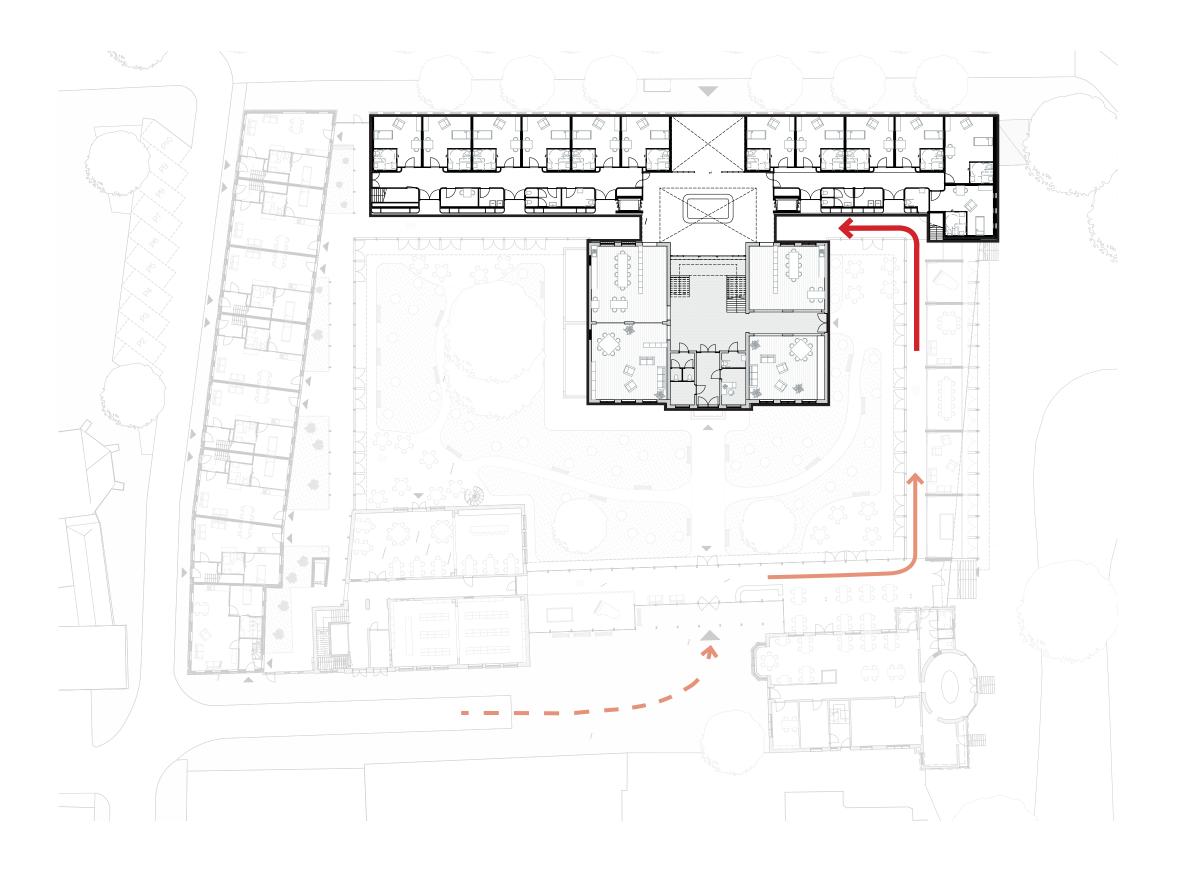
VENTILATION







AXONEMETRIC VIEW







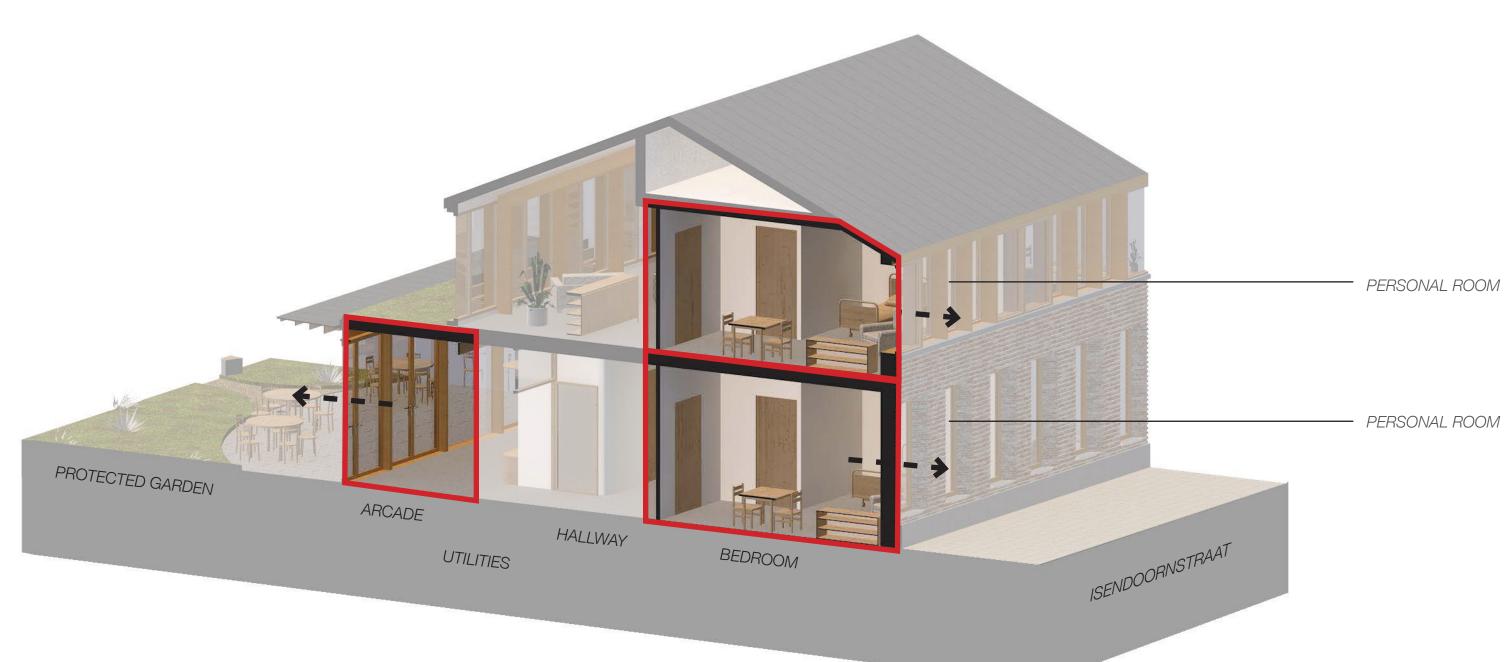
AXONEMETRIC VIEW

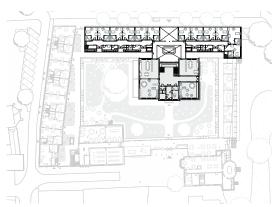






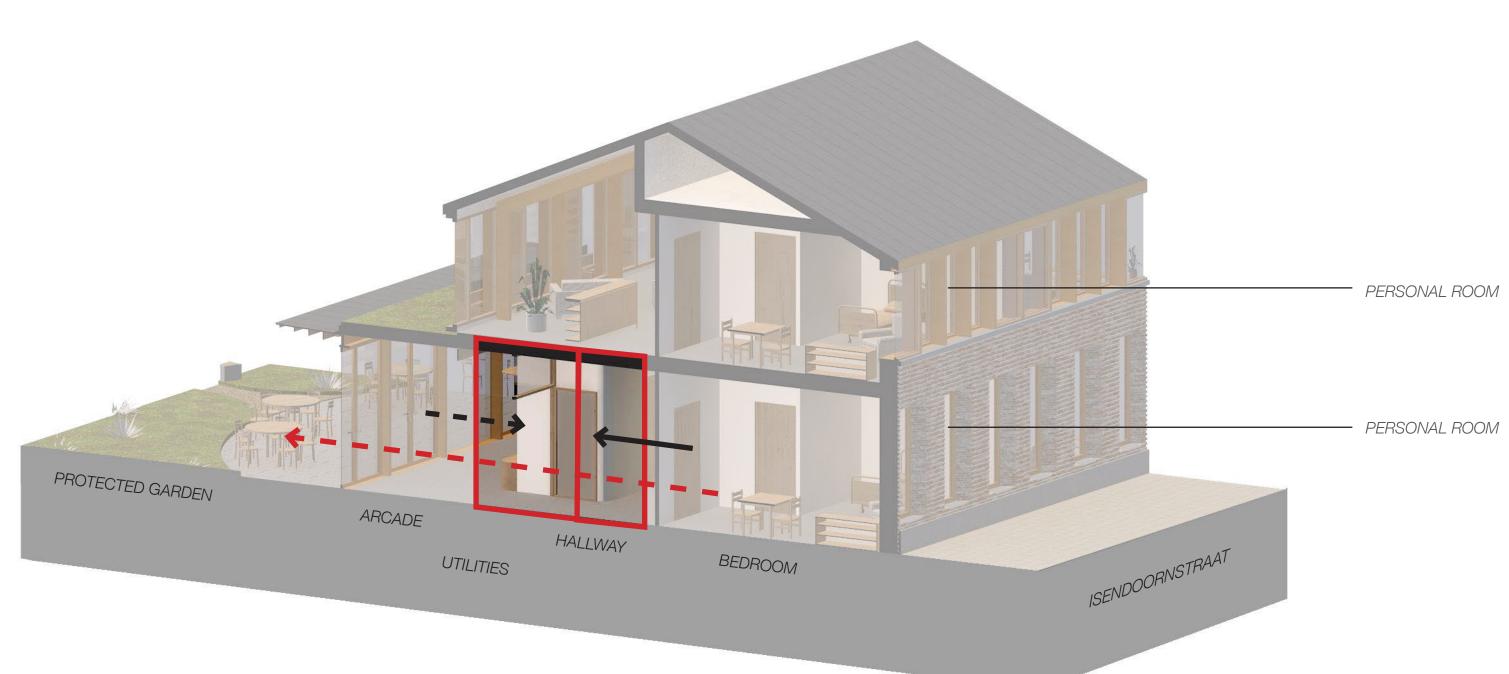
PERSONAL ROOMS

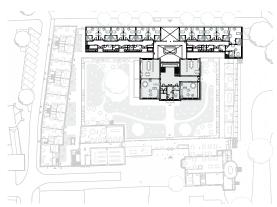






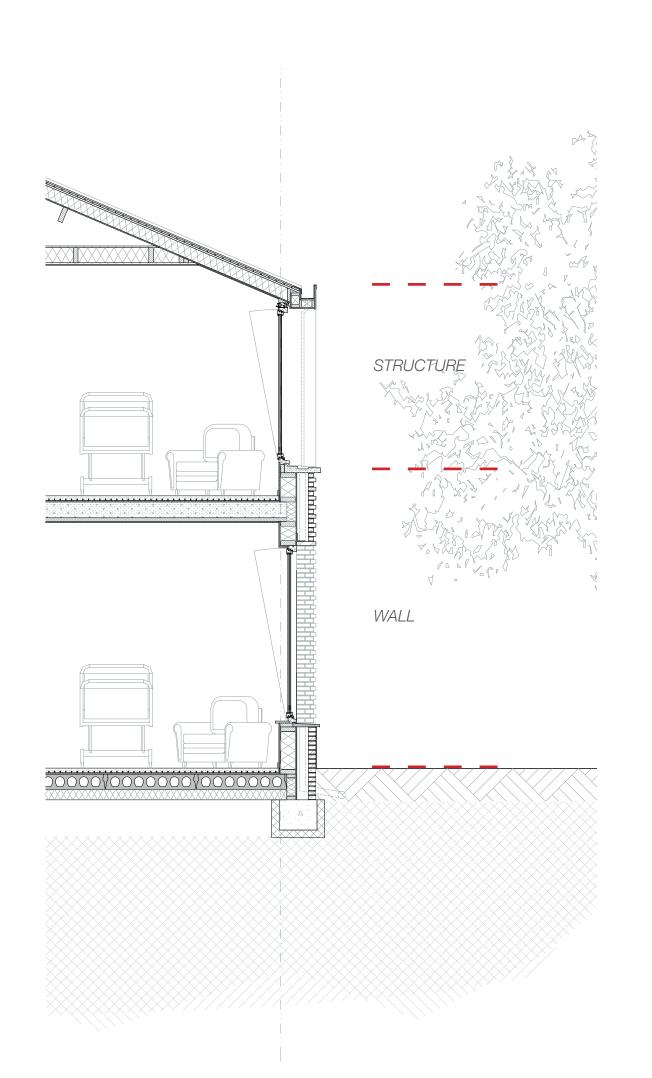
UTILITIES AS A DEVIDER OF SPACE

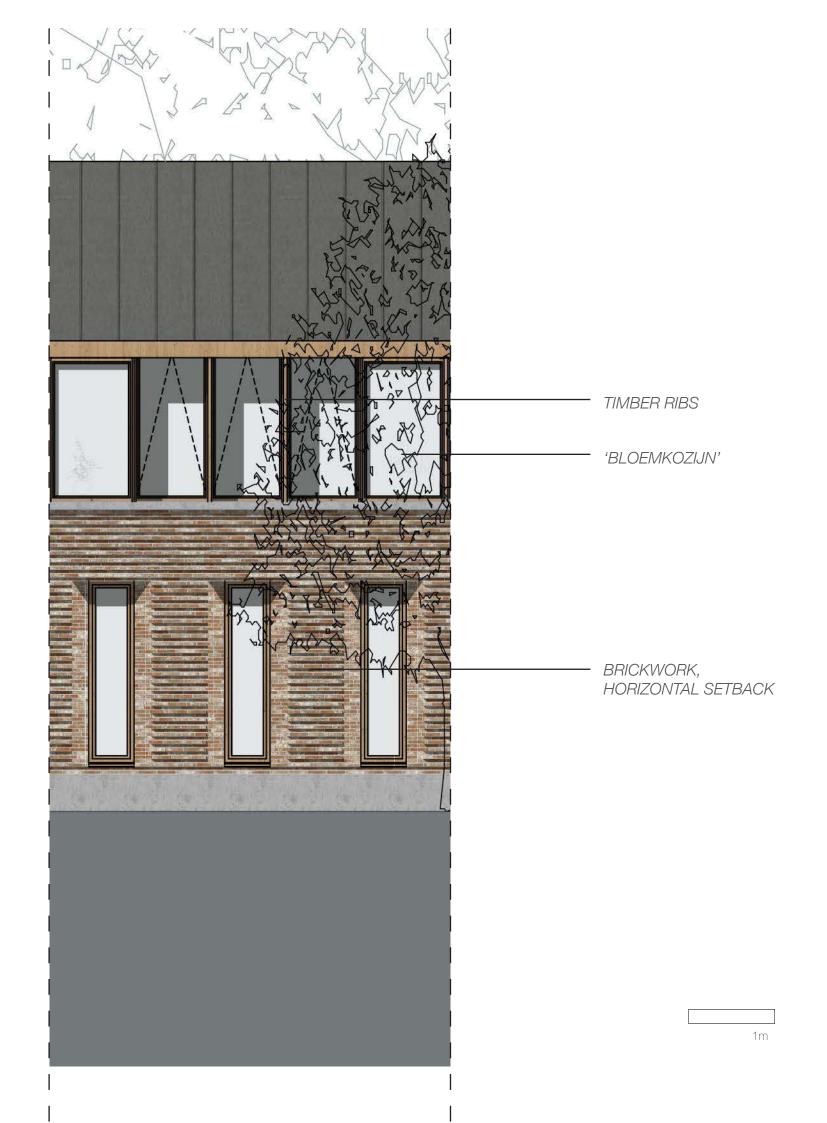




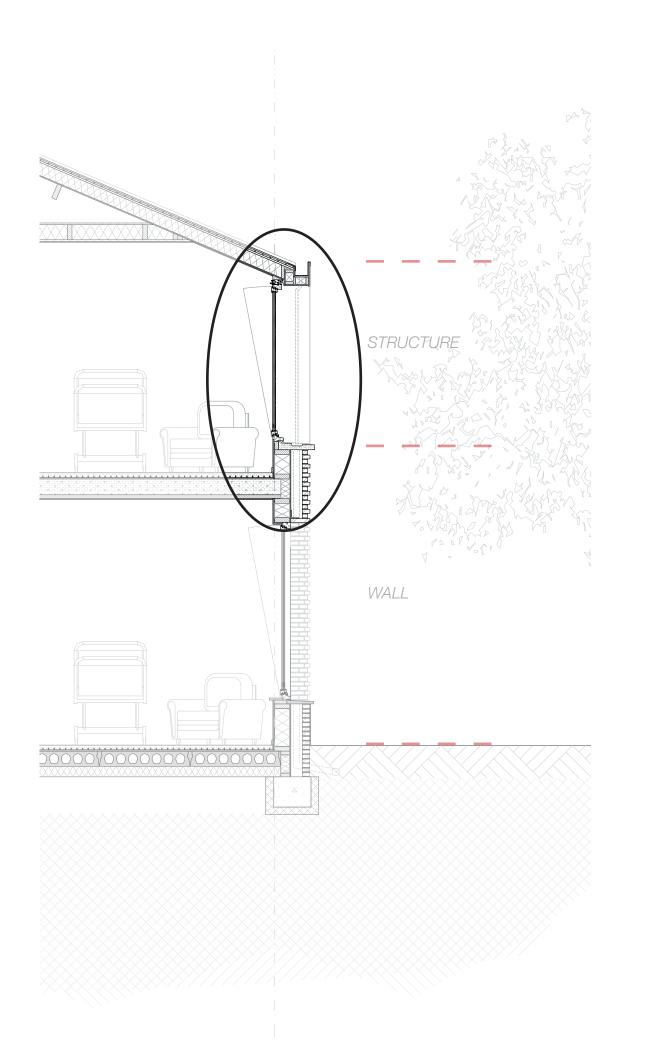


CARE GROUPS SECTION DETAIL



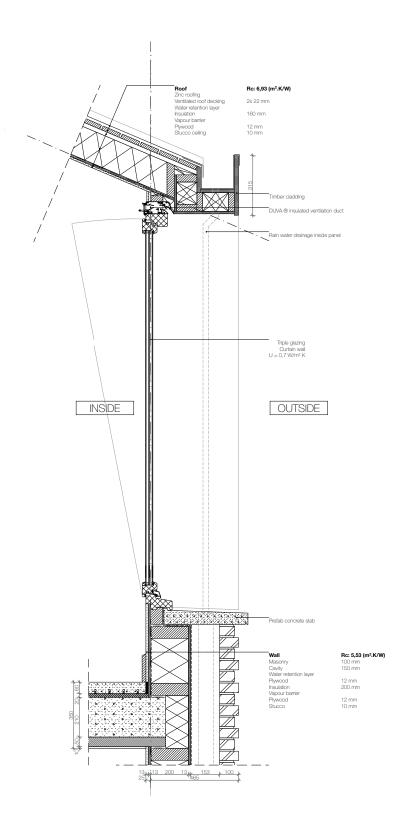


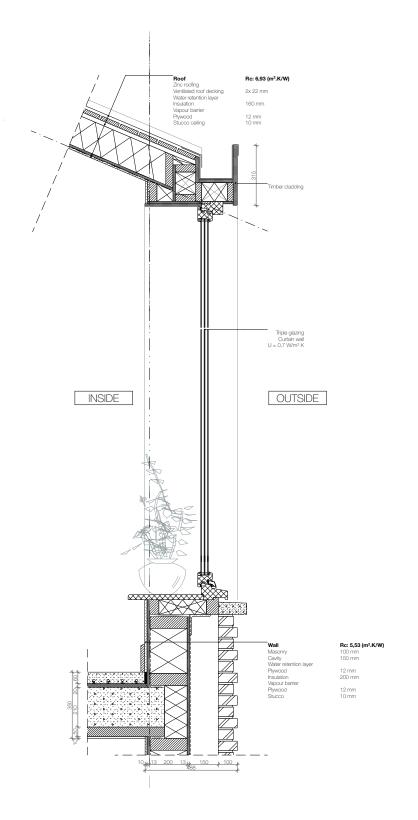
CARE GROUPS SECTION DETAIL



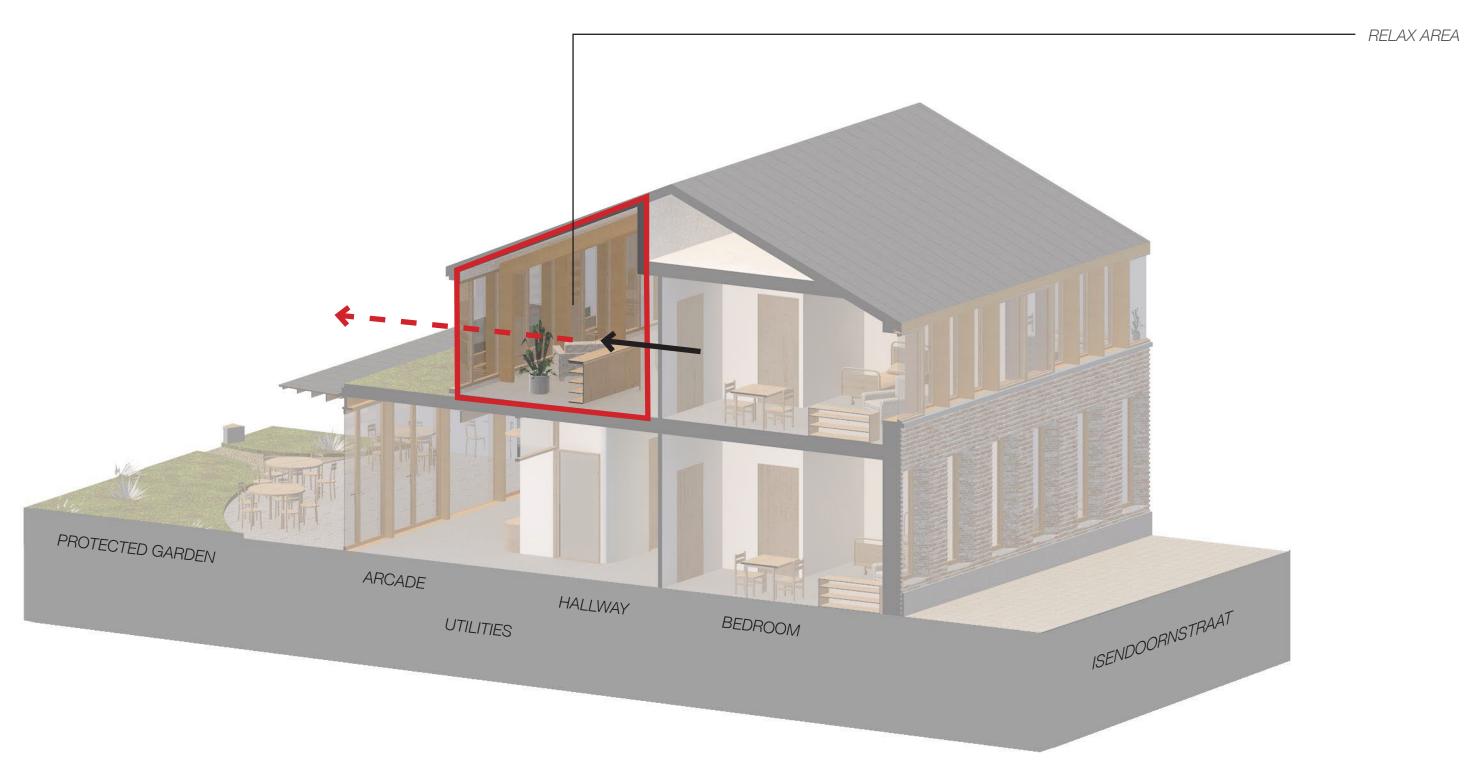


SECTION DETAIL - 'BLOEMKOZIJN'





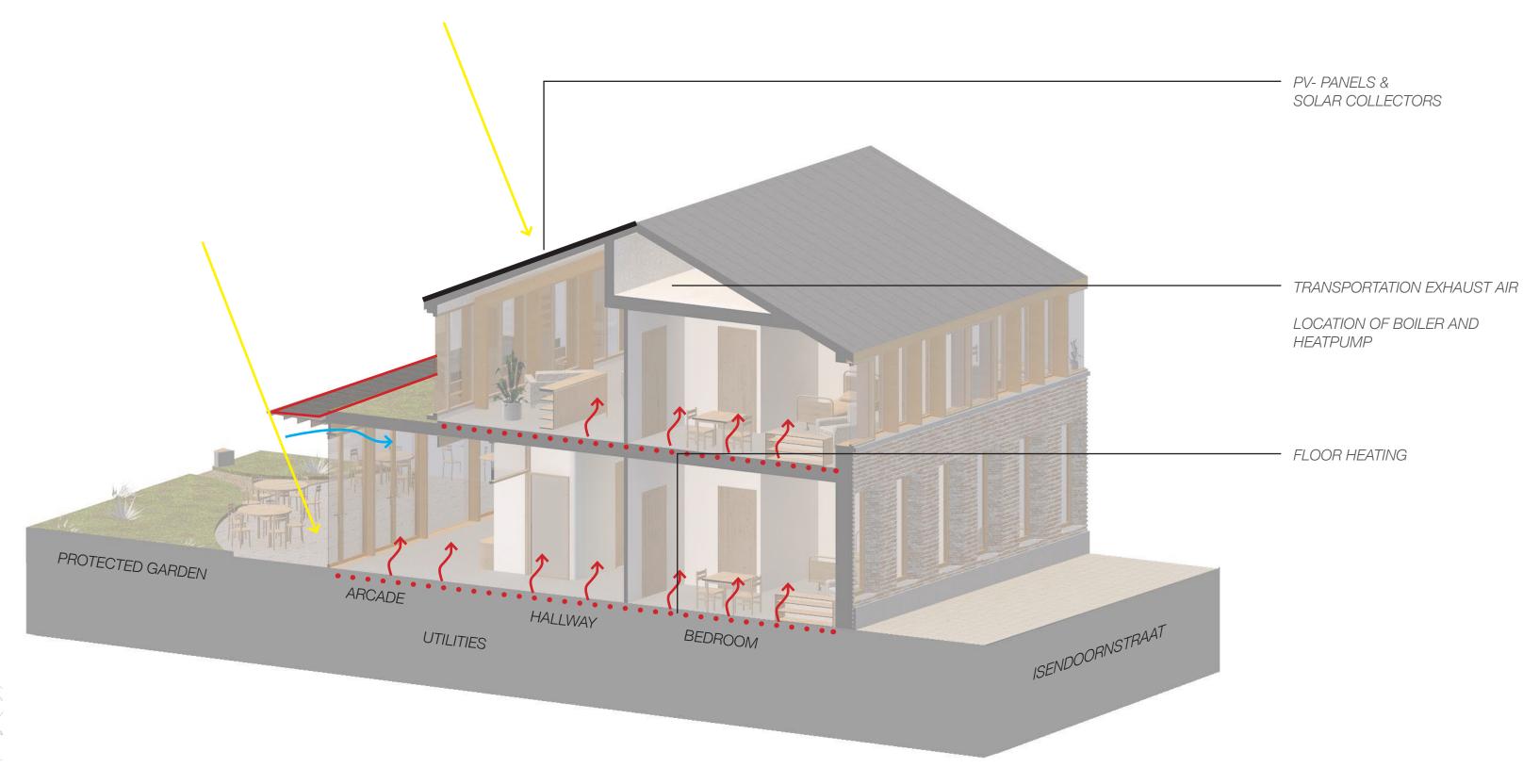
LIVING AREA

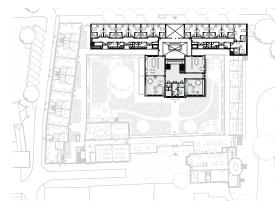






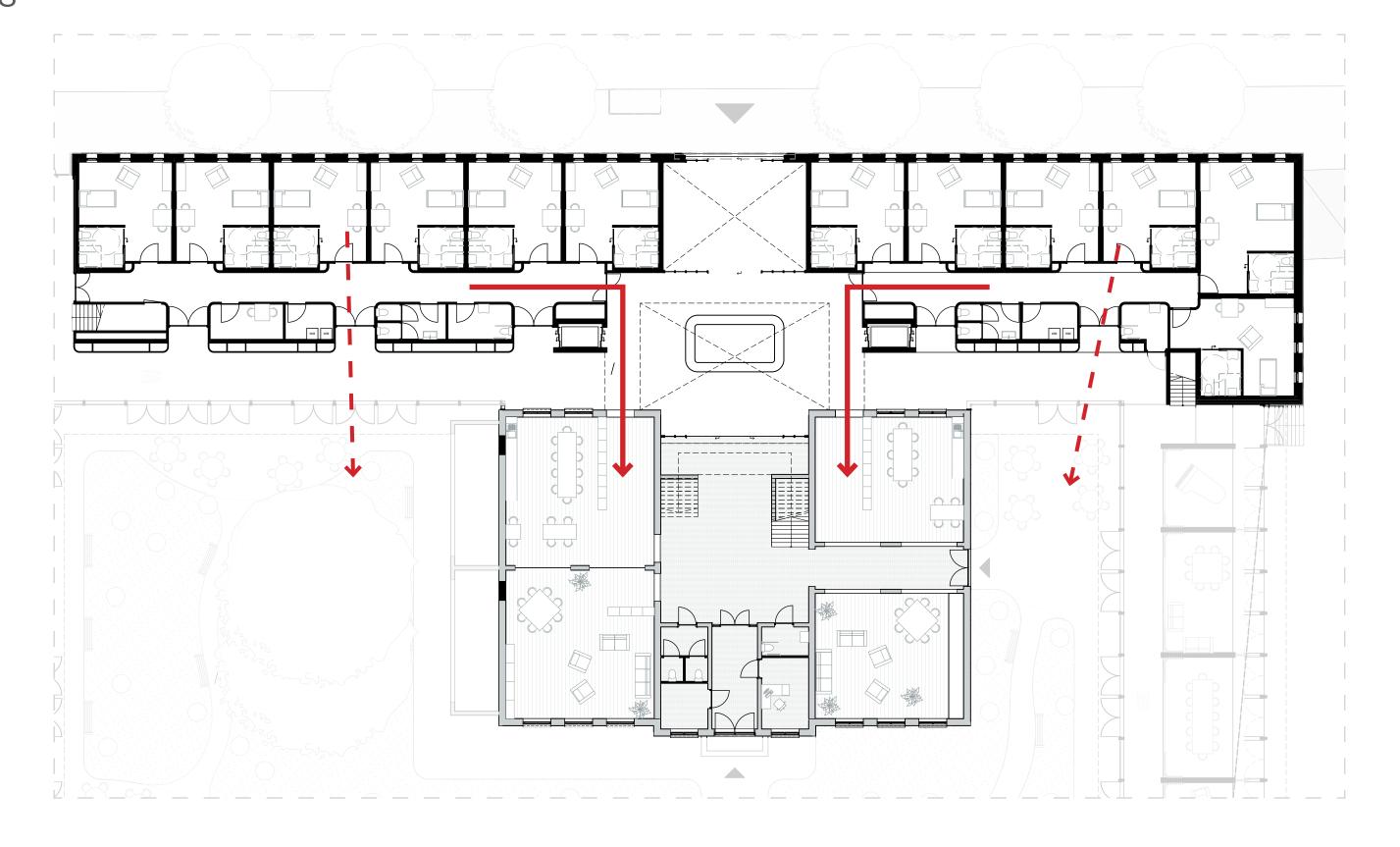
CLIMATE DESIGN







FLOOR PLAN

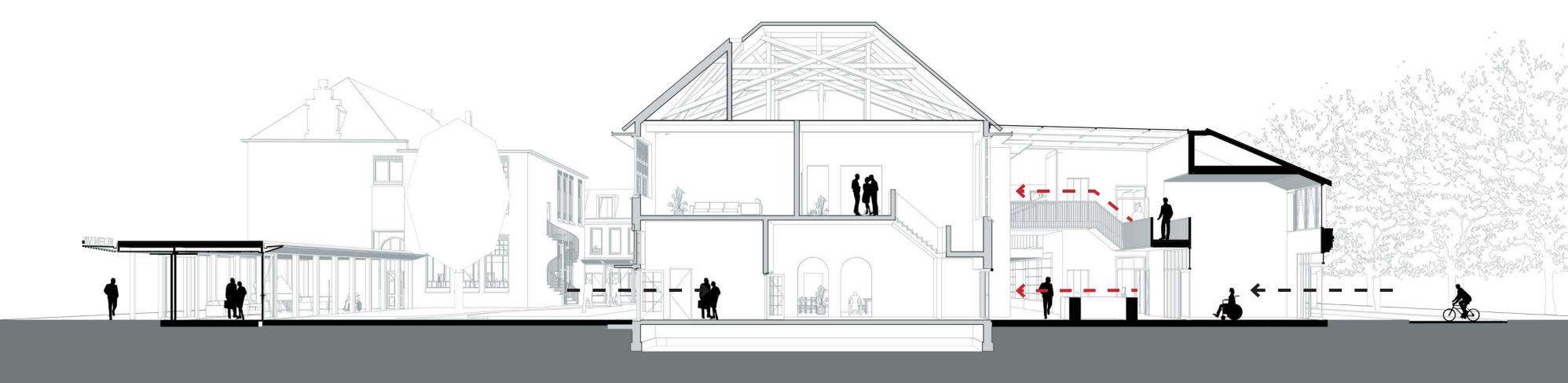






RELATION WITH THE EXISTING

ST. JOZEF - CARE GROUP



LIVING ROOMS

MINOR INTERVENTIONS

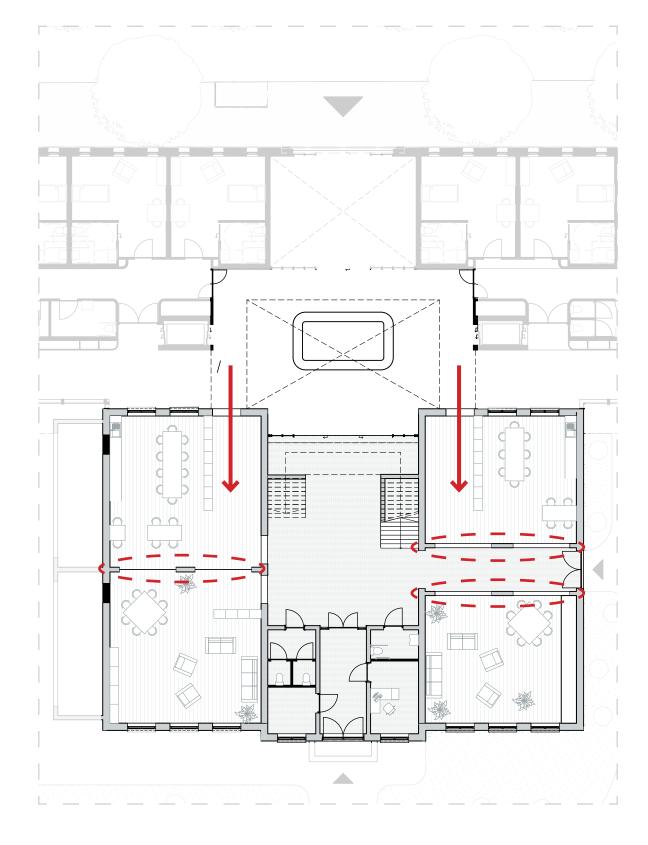
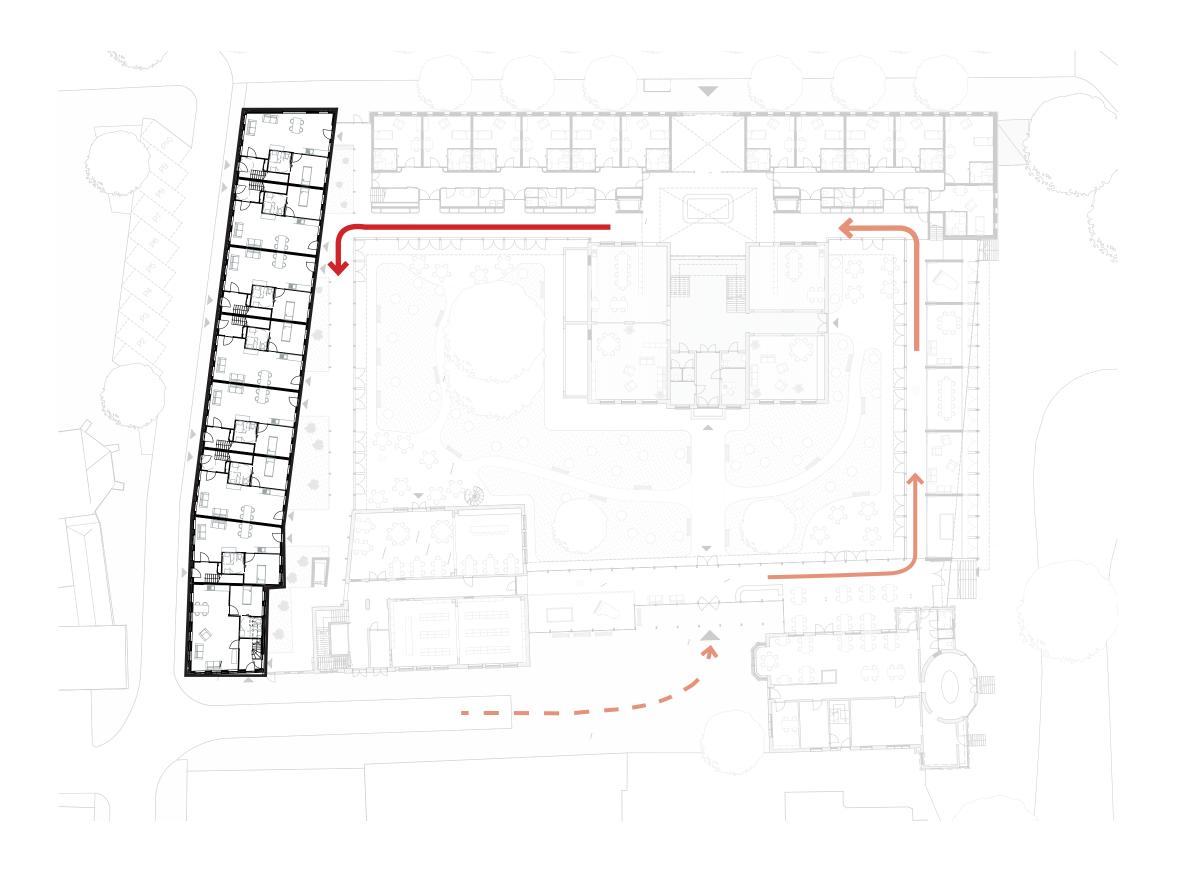




Image Herbergier Delft, Living room (herbergier.nl, accessed december 30th, 2017)

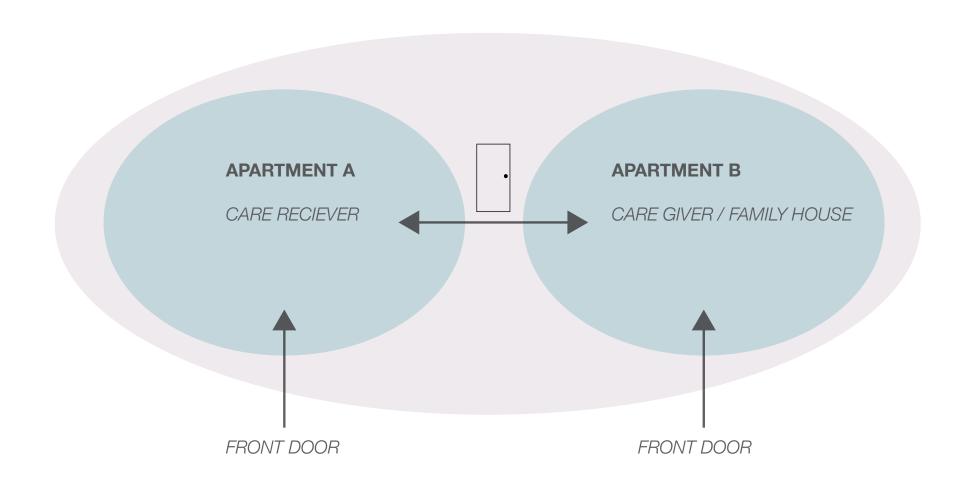
PROGRAM

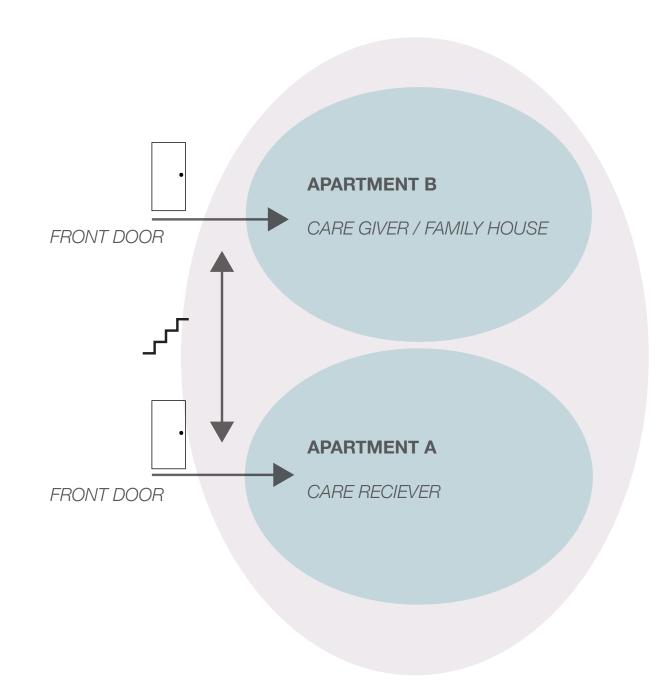
FAMILY CARE HOUSE





CONCEPT





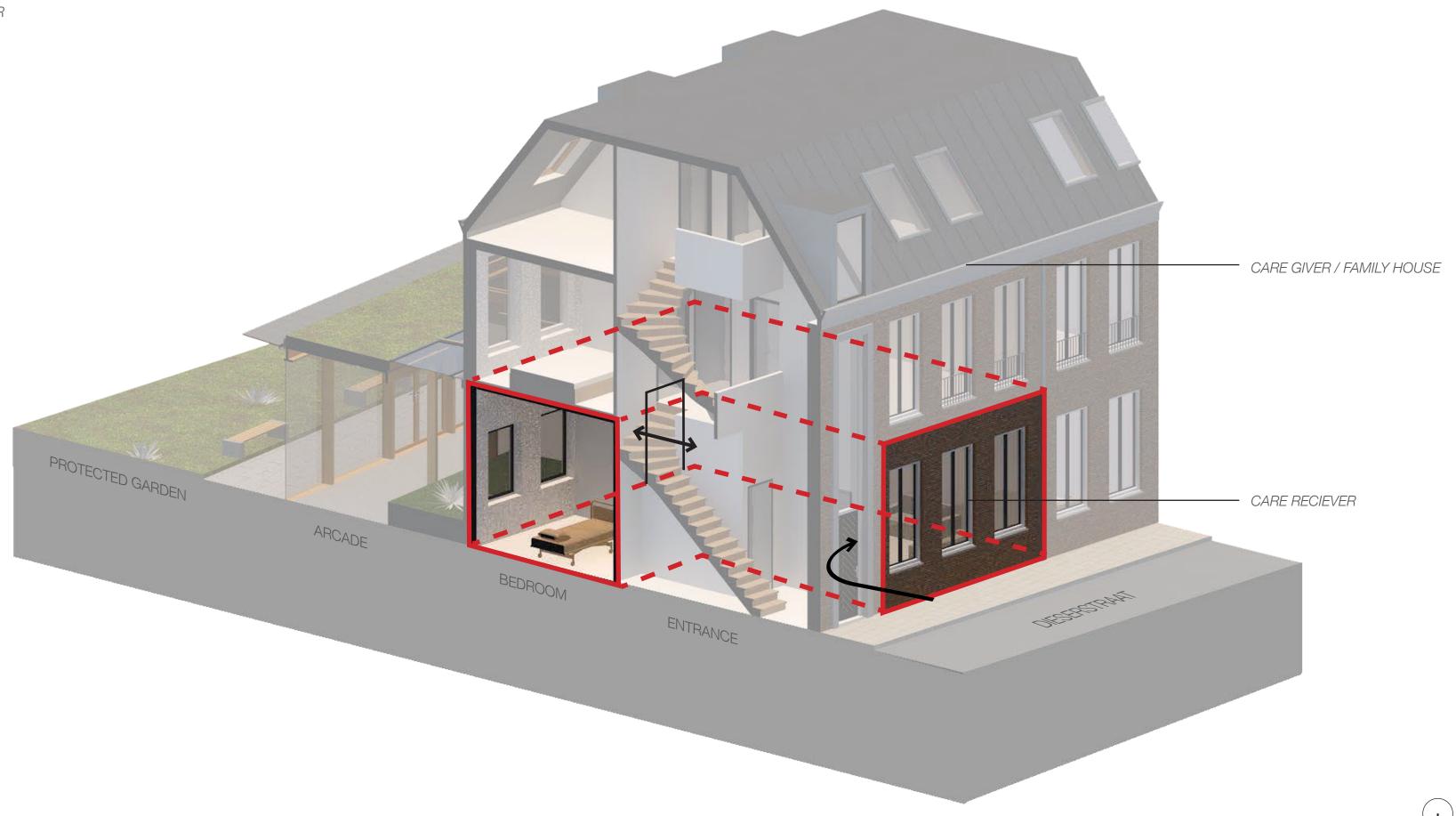
GENERAL CONCEPT KLEIN VATICAAN CONCEPT

FAMILY CARE HOUSE AXONEMETRIC VIEW

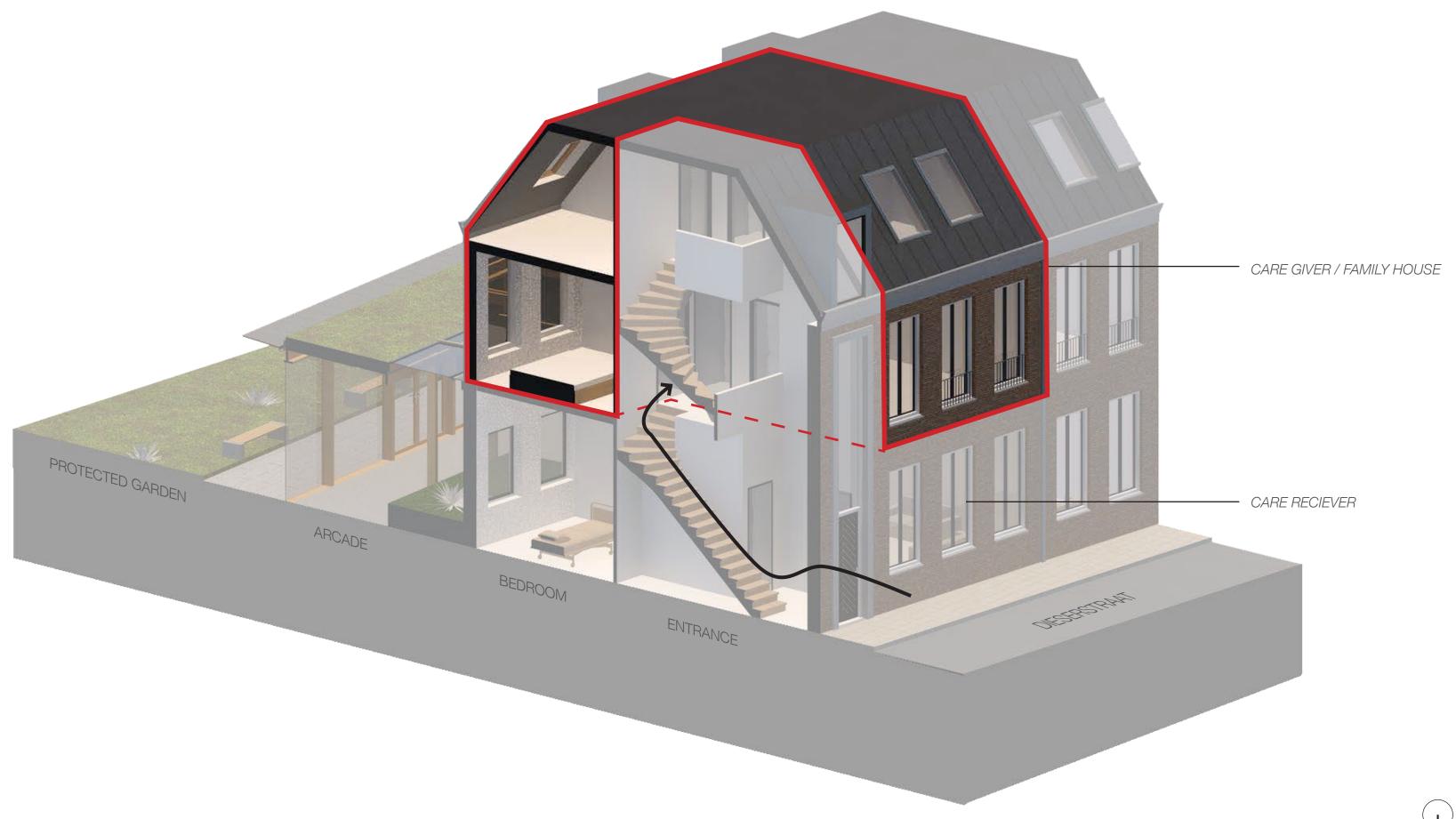




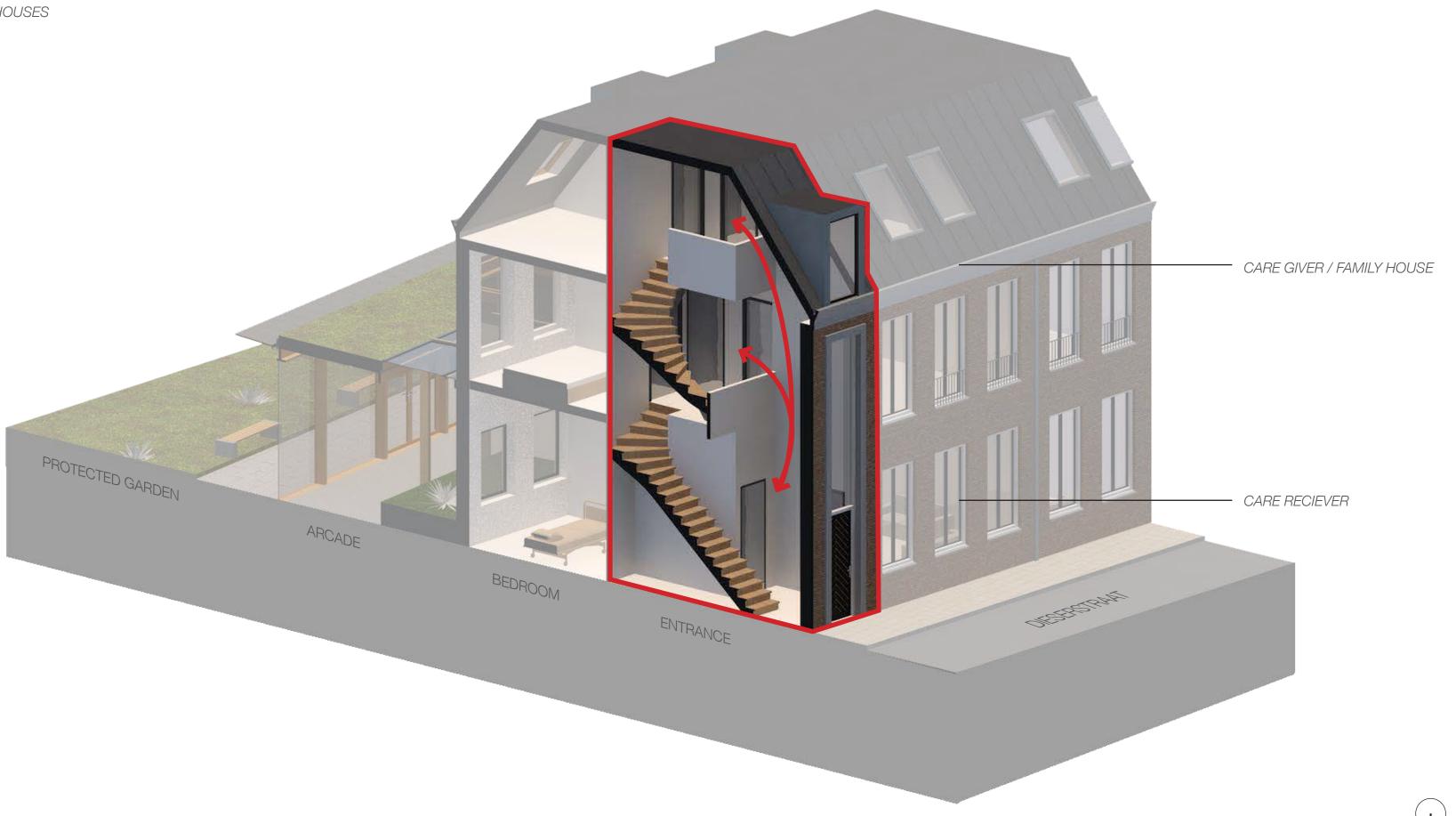
ACCES TO THE CARE RECIEVER



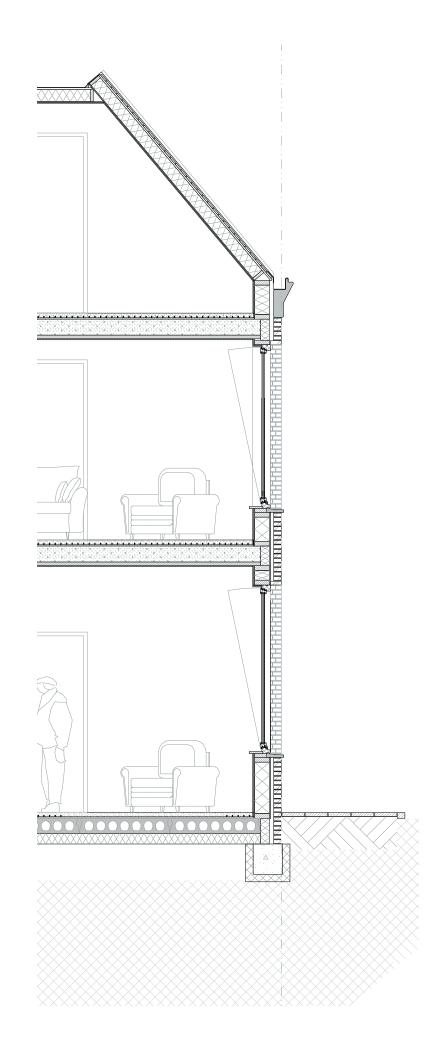
ACCES TO THE FAMILY HOUSE

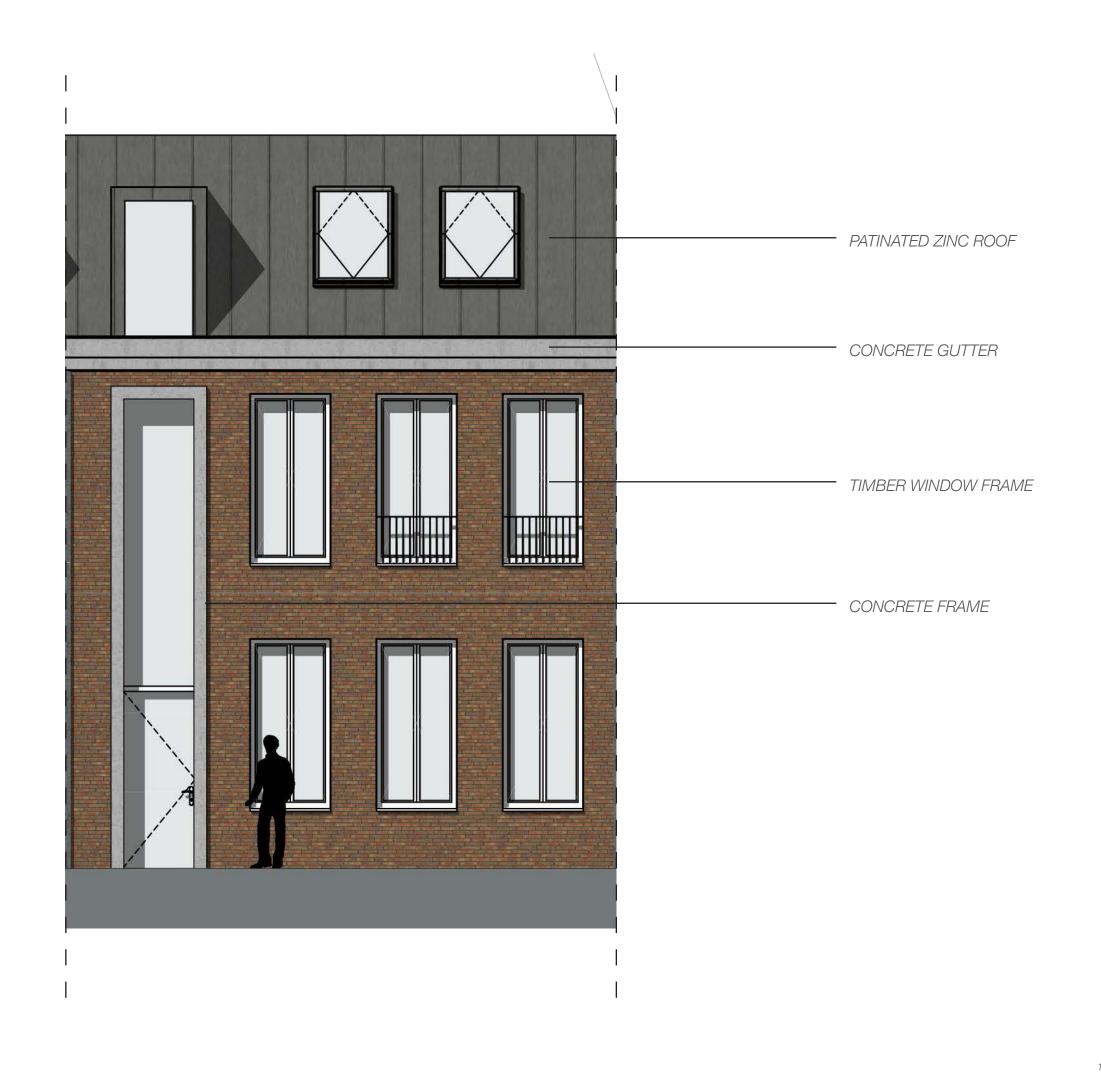


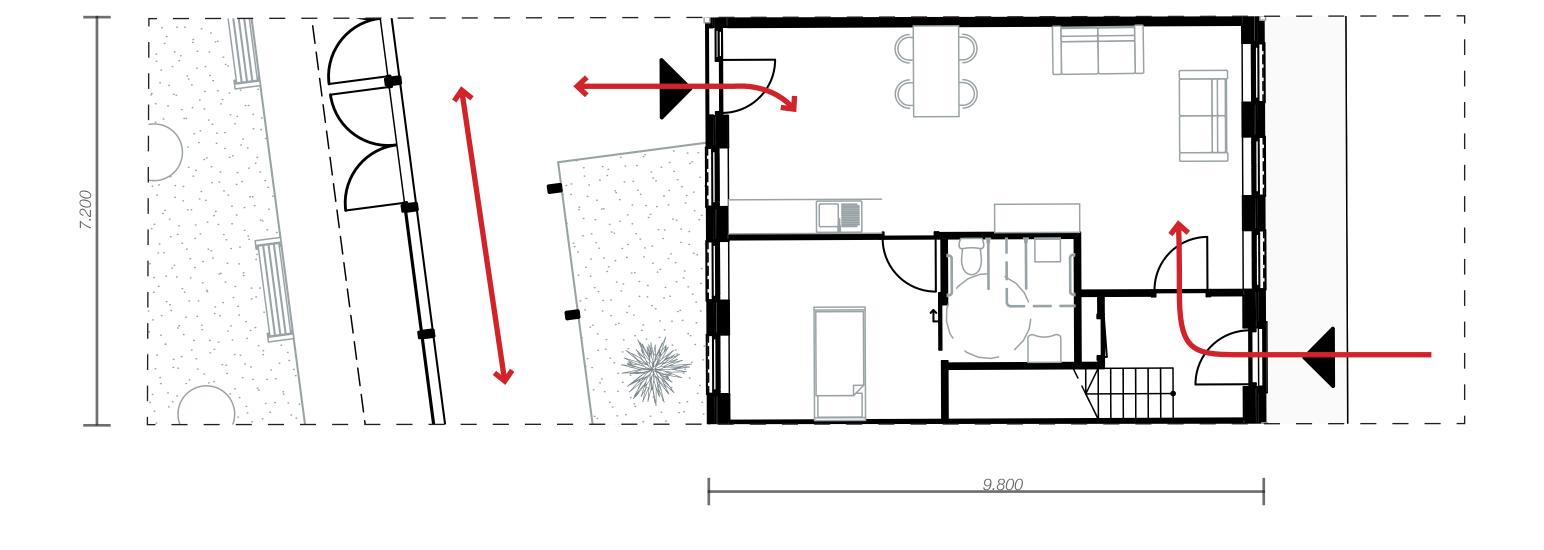
RELATION BETWEEN THE TWO HOUSES



FACADE VIEW



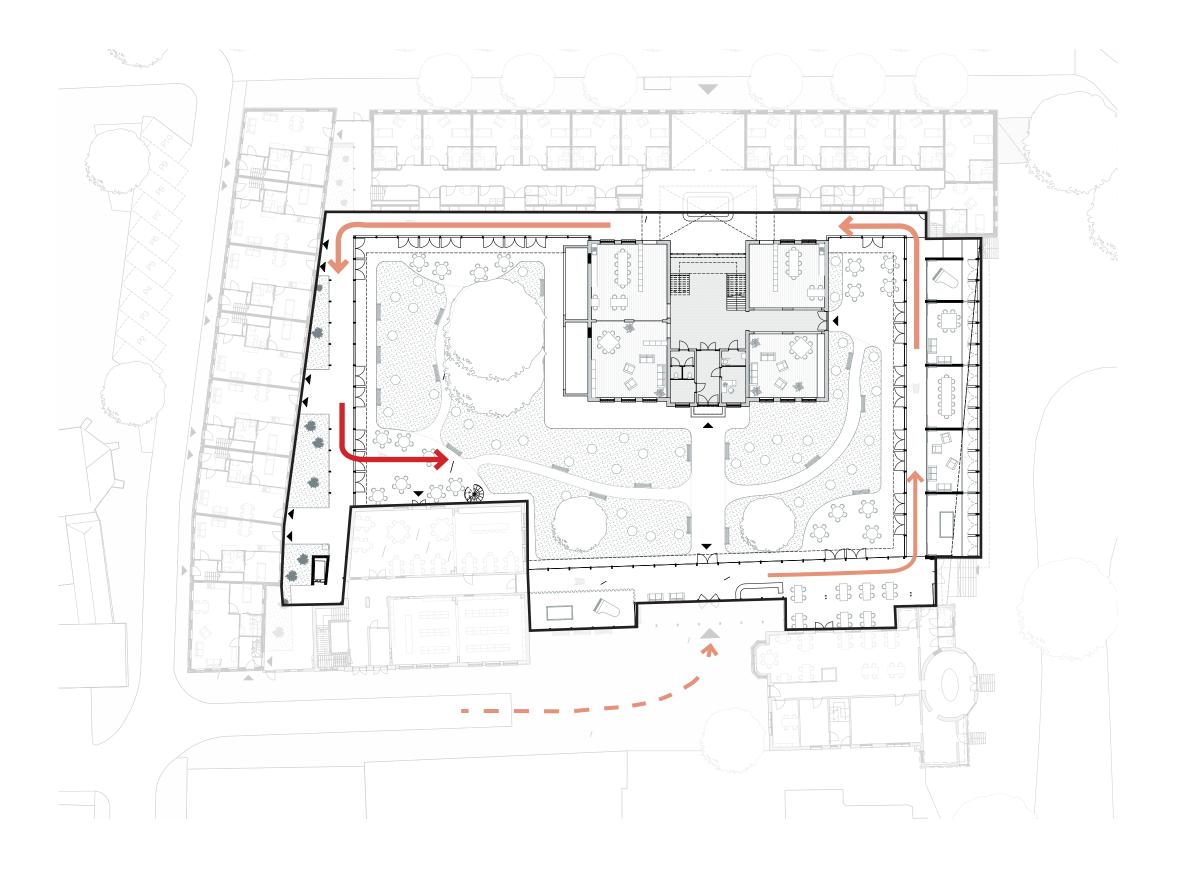






WANDERING AROUND

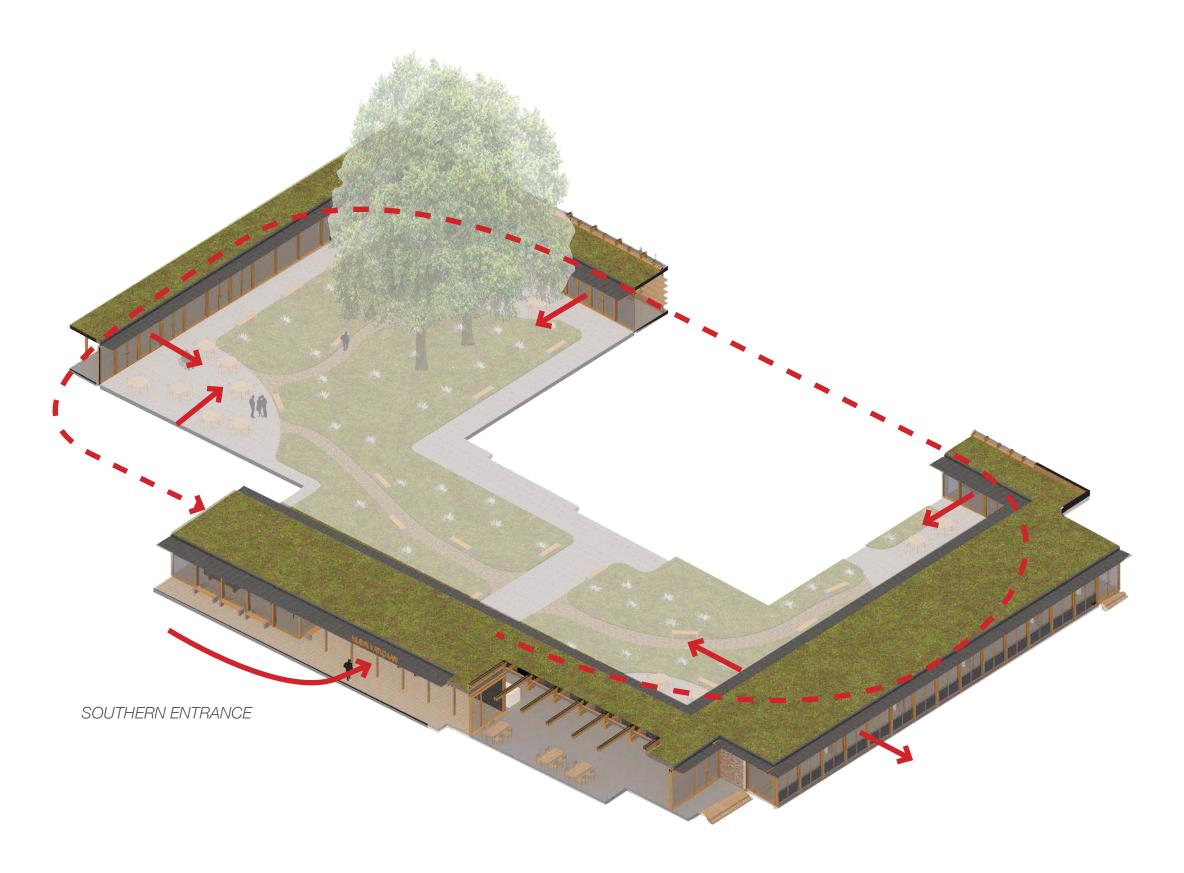
ARCADE & GARDEN





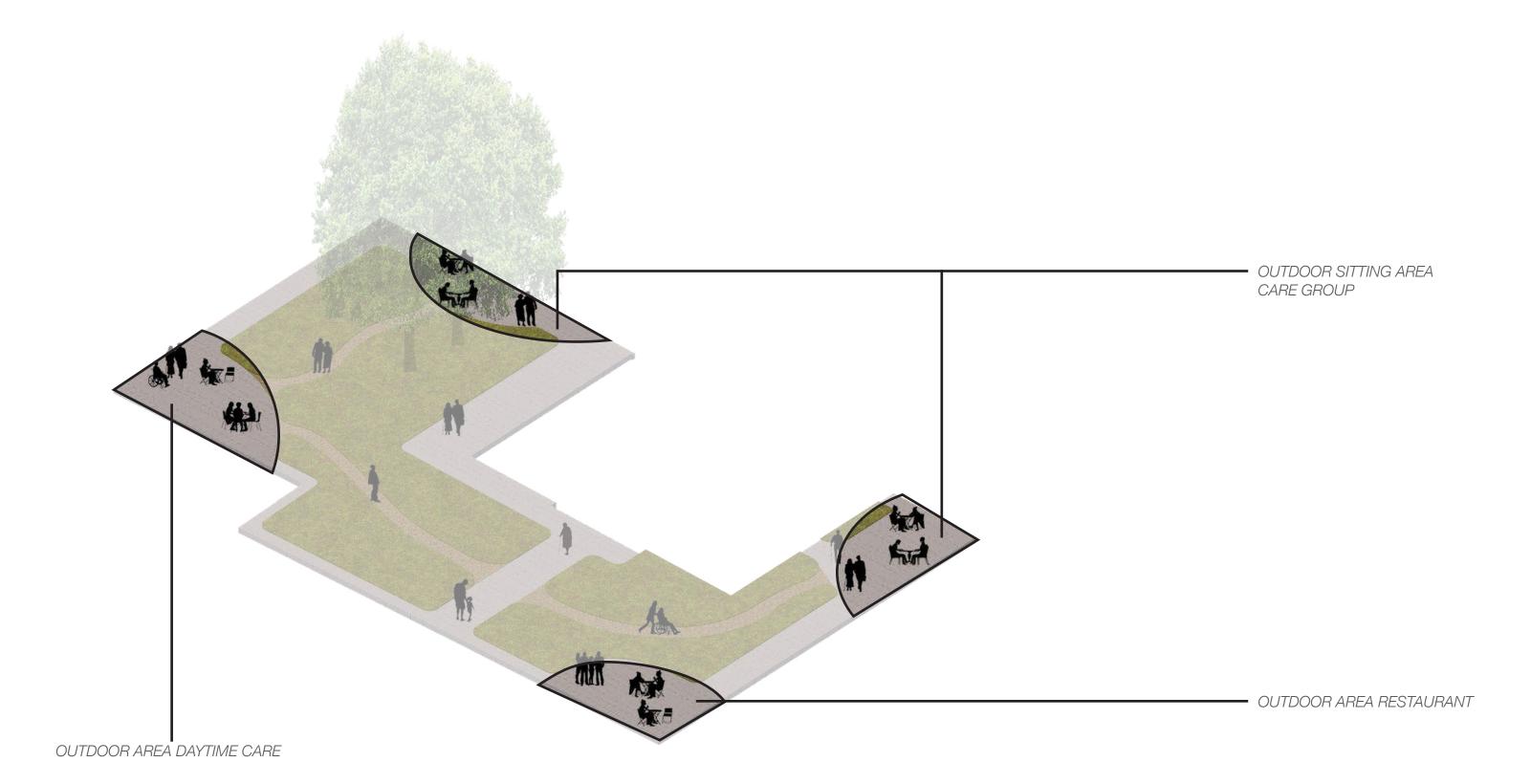
ARCADE

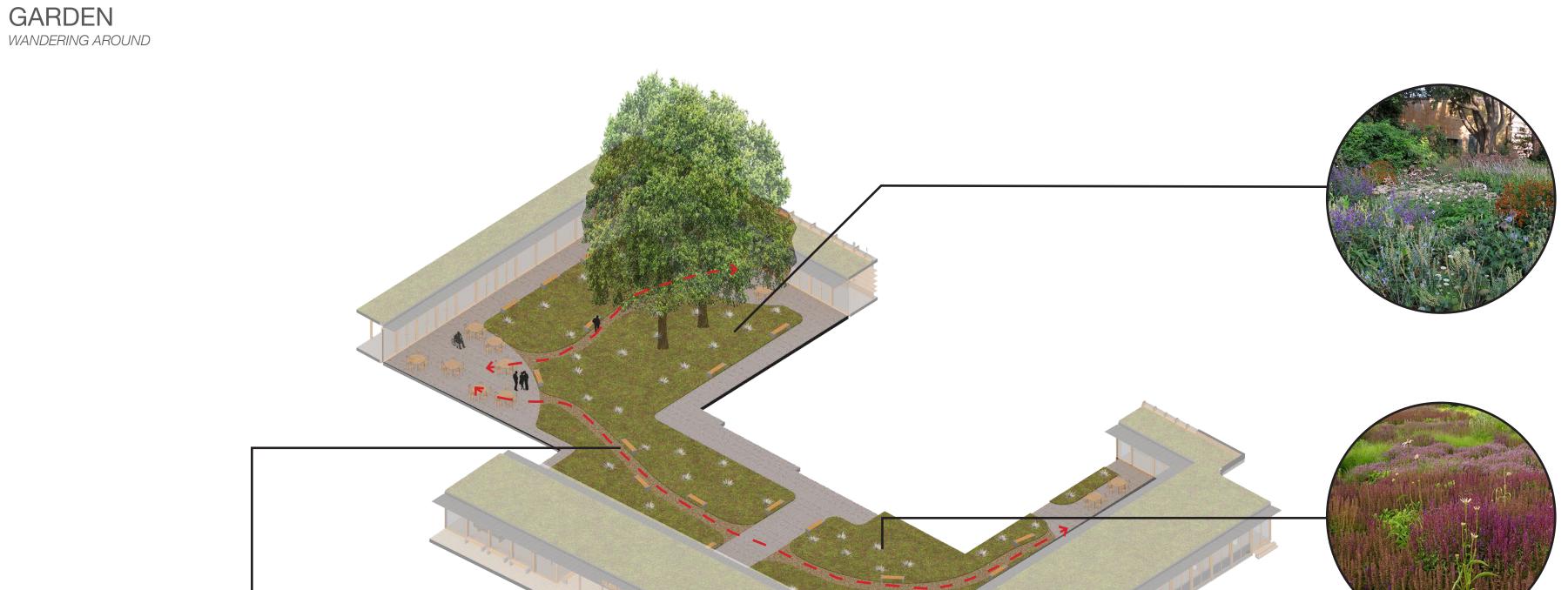


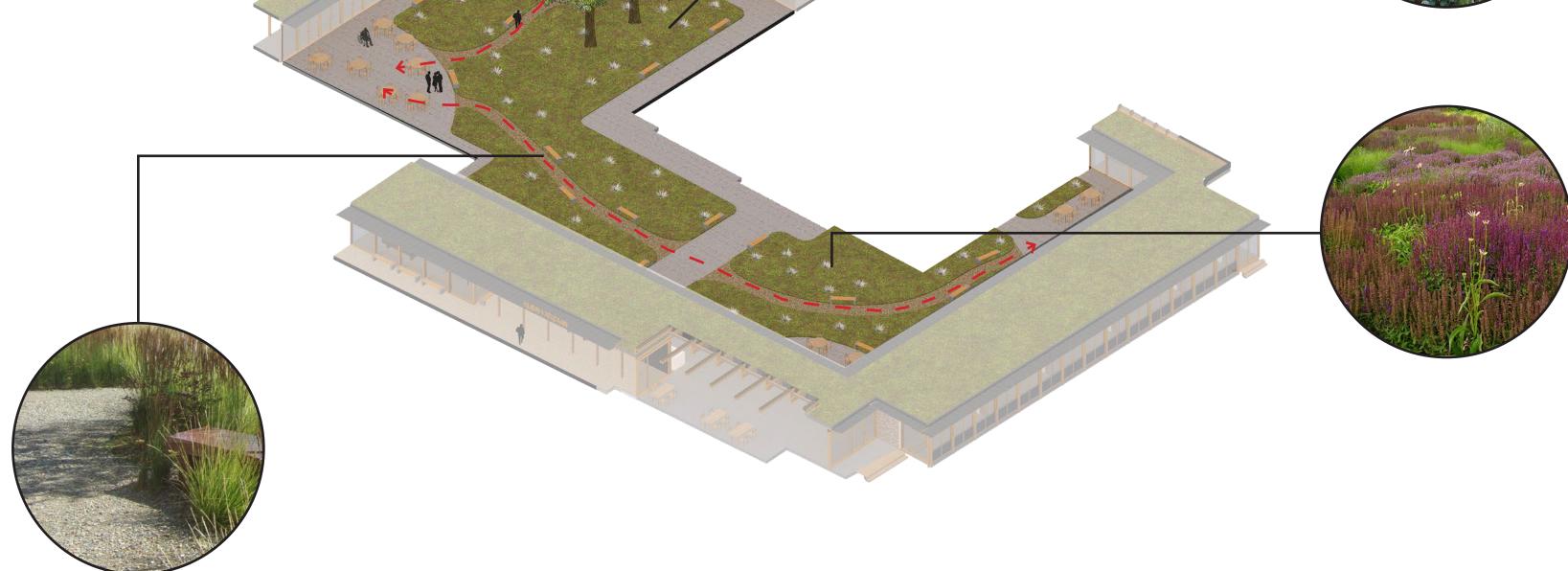


PROTECTED GARDEN

FUCNTIONS



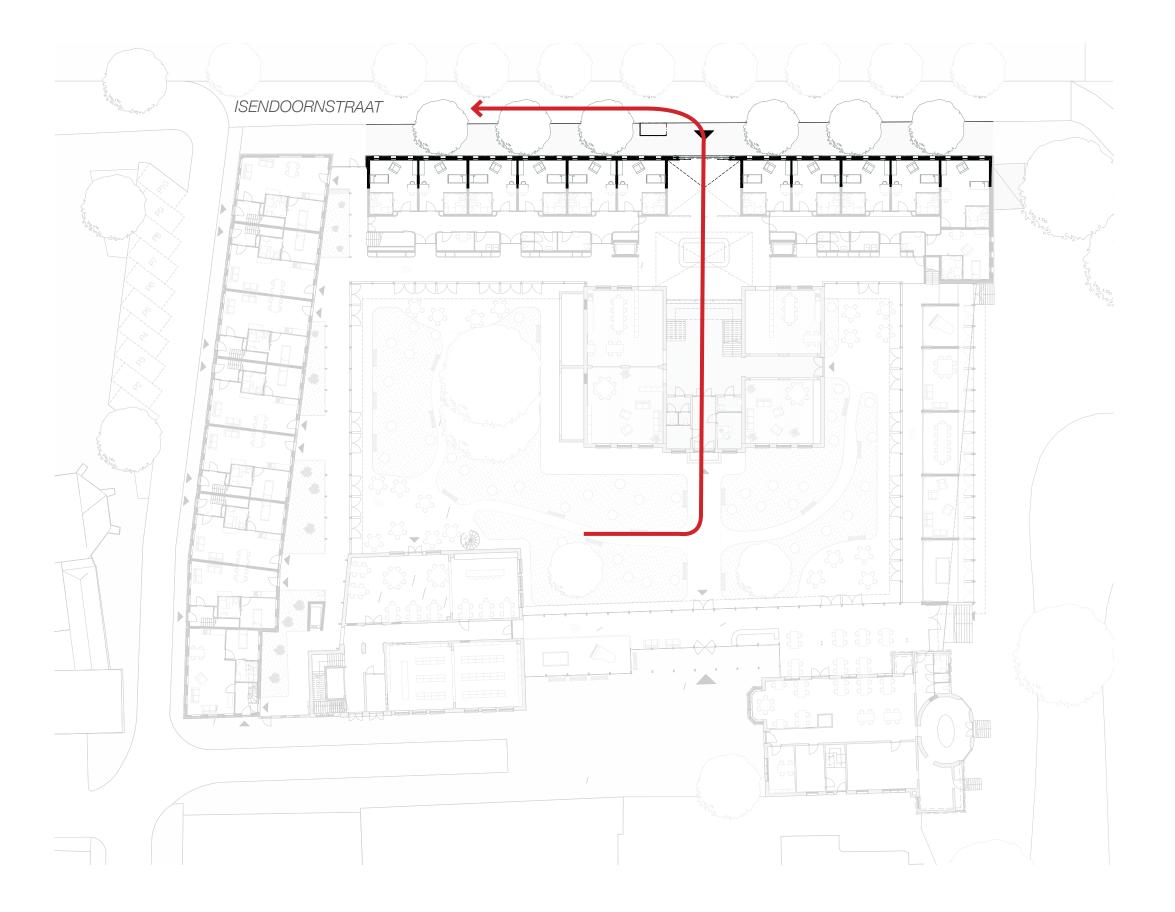






ISENDOORNSTRAAT

NORTH FACADE

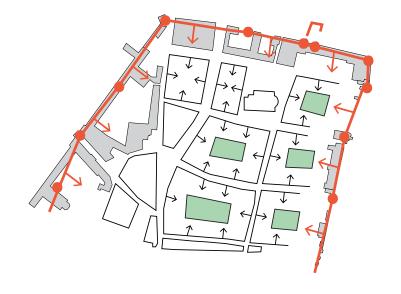




7. REFLECTION

REFLECTION

DESIGN



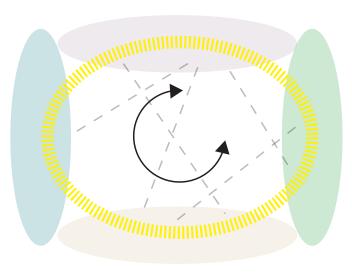
BUILDING BLOCKS WITH COURTYARD



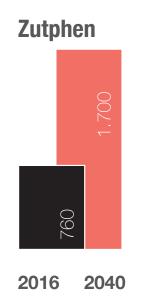
ISENDOORNSTRAAT 1950s



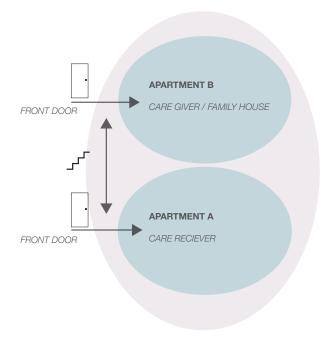
DIESERSTRAAT 1920s



ORGANISATION CONCEPT



DEMOGRAPHICS



FAMILYCARE HOUSING

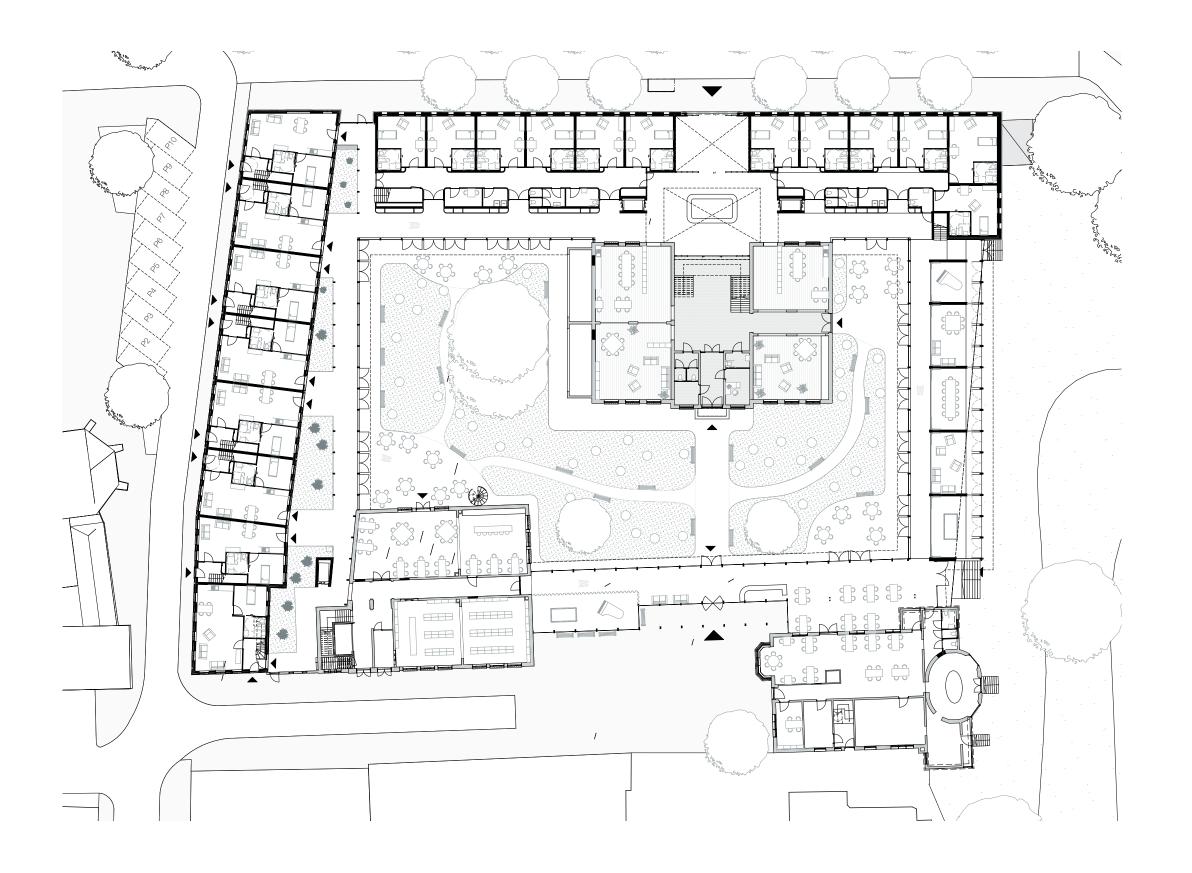




Research Question:

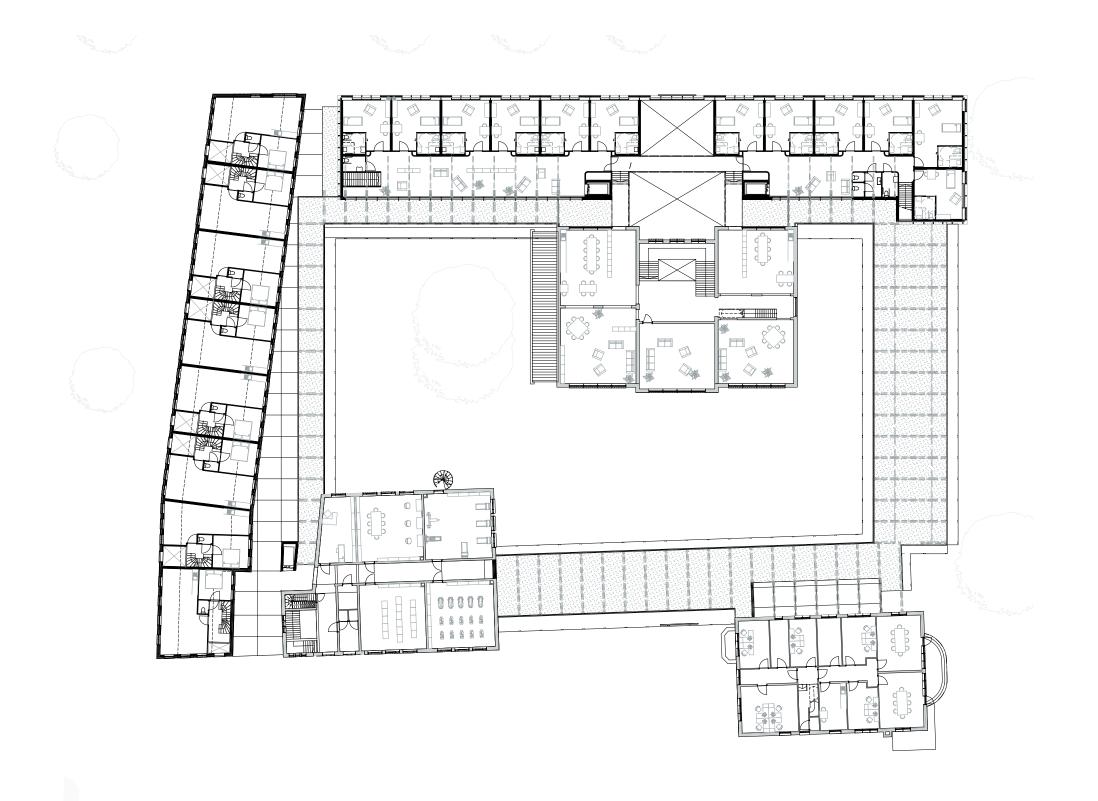
How can an ensemble of Heritage buildings be transformed in order to create a coherent and resilient site, which reconnects with the city?

GROUND FLOOR



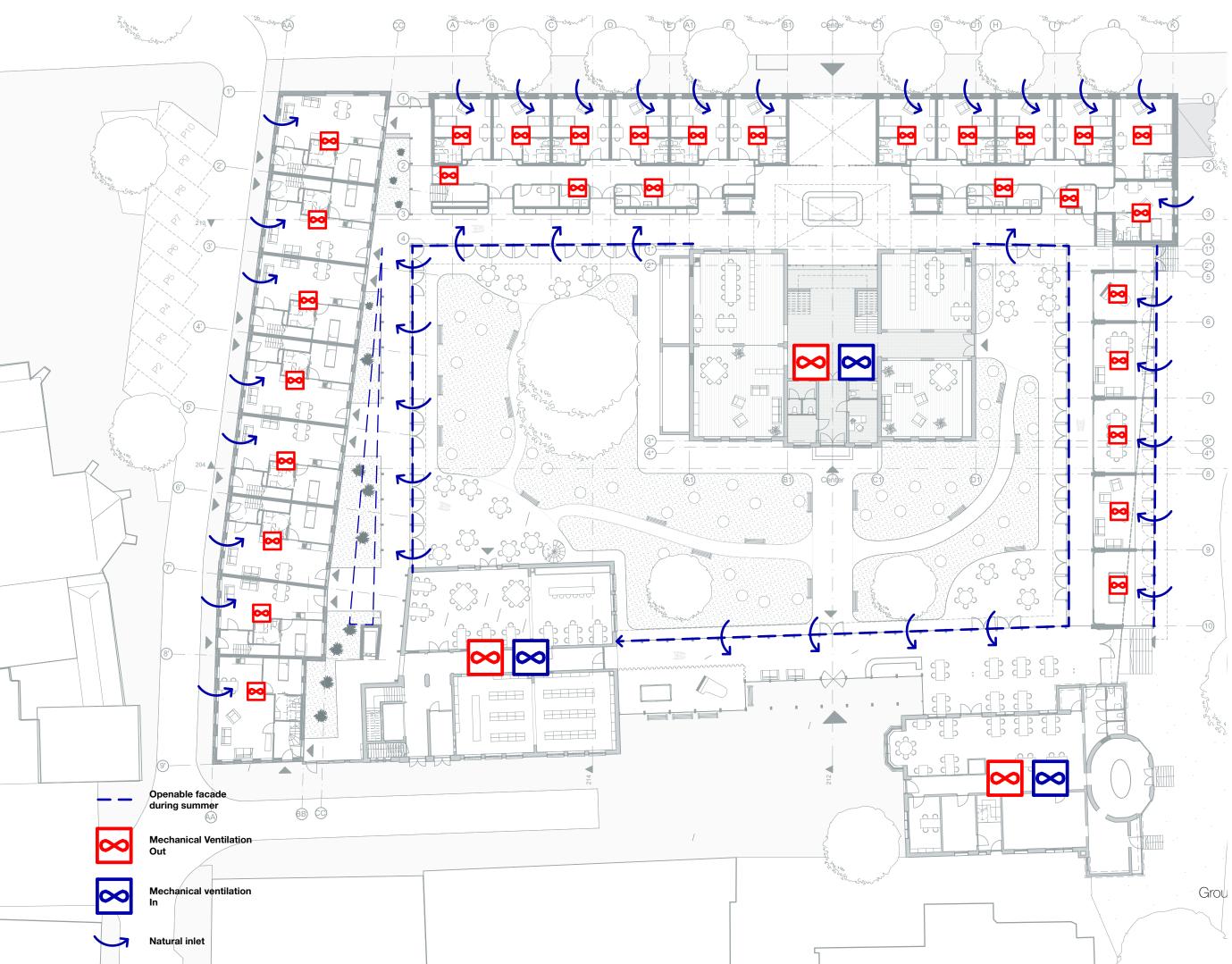


FIRST FLOOR

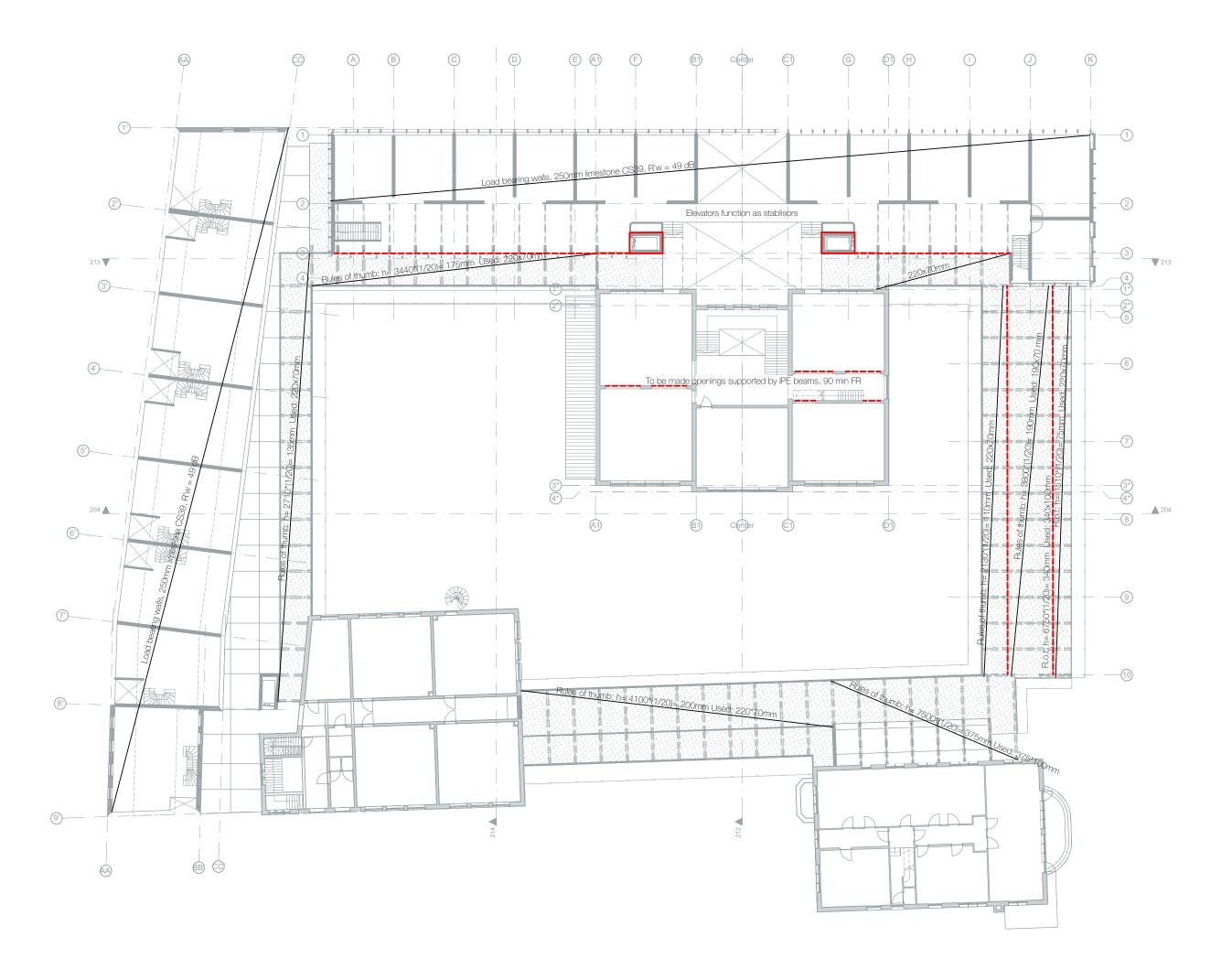




CLIMATE



CONSTRUCTION



VALUE MAPPING

ENSEMBLE

The analysis formed the basis for the value mapping of the ensemble.

The front and back facades of all the buildings are highly valued and the side facades are positively valued. This has to do with the ornamentation and the function of the facades. The side facades had a less prominent function.

Other aspects like the roofconstruction of the St. Jozef or the double door entrance of the St. Anna are also highly valued. The values of the buildings have to be taken into account when designing.



South Facade St. Jozef



South Facade St. Anna



High Value



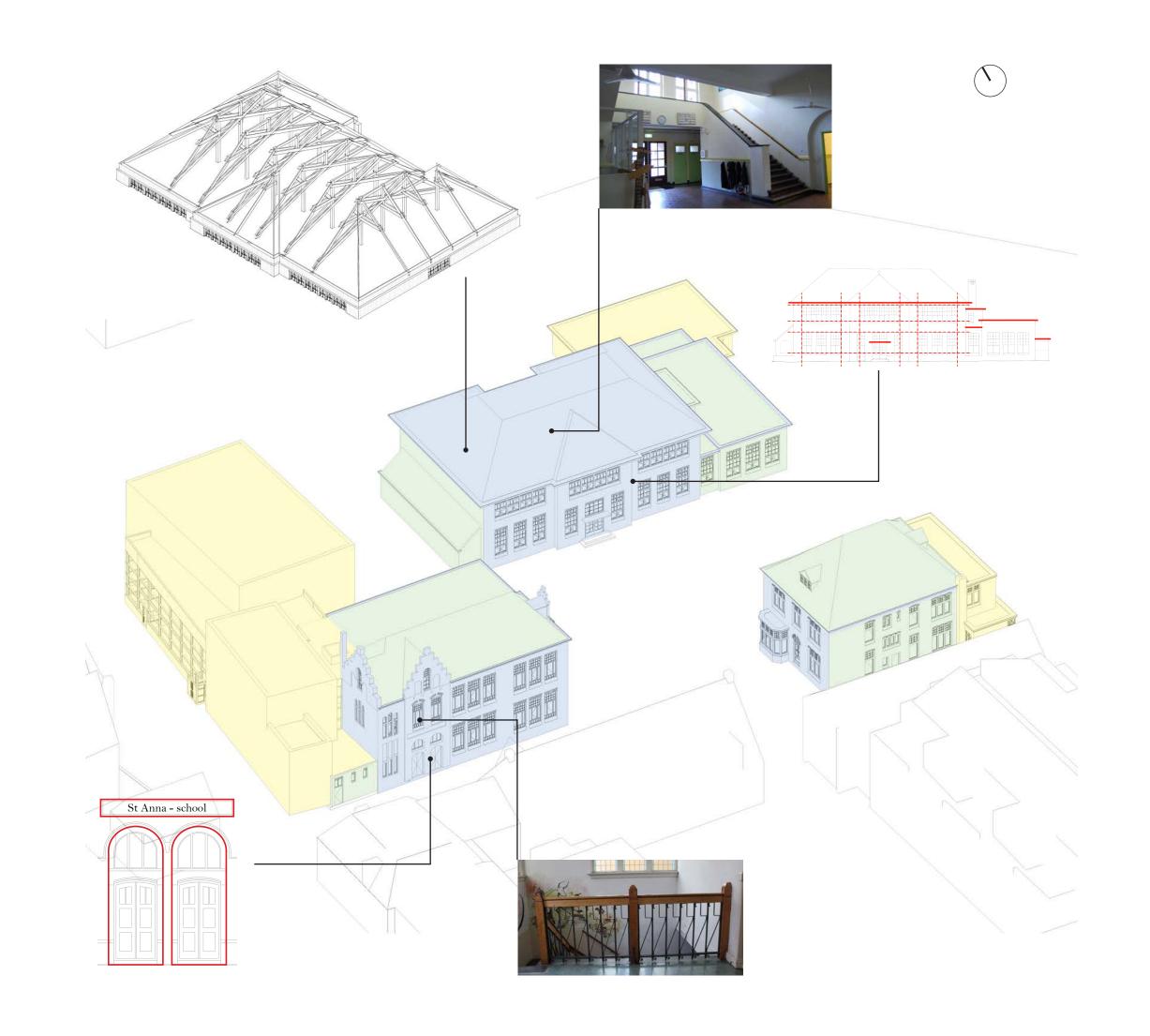
Positive Value



Indifferent Value

Image

Value diagram of the Ensemble (own illustration)



PROGRAM

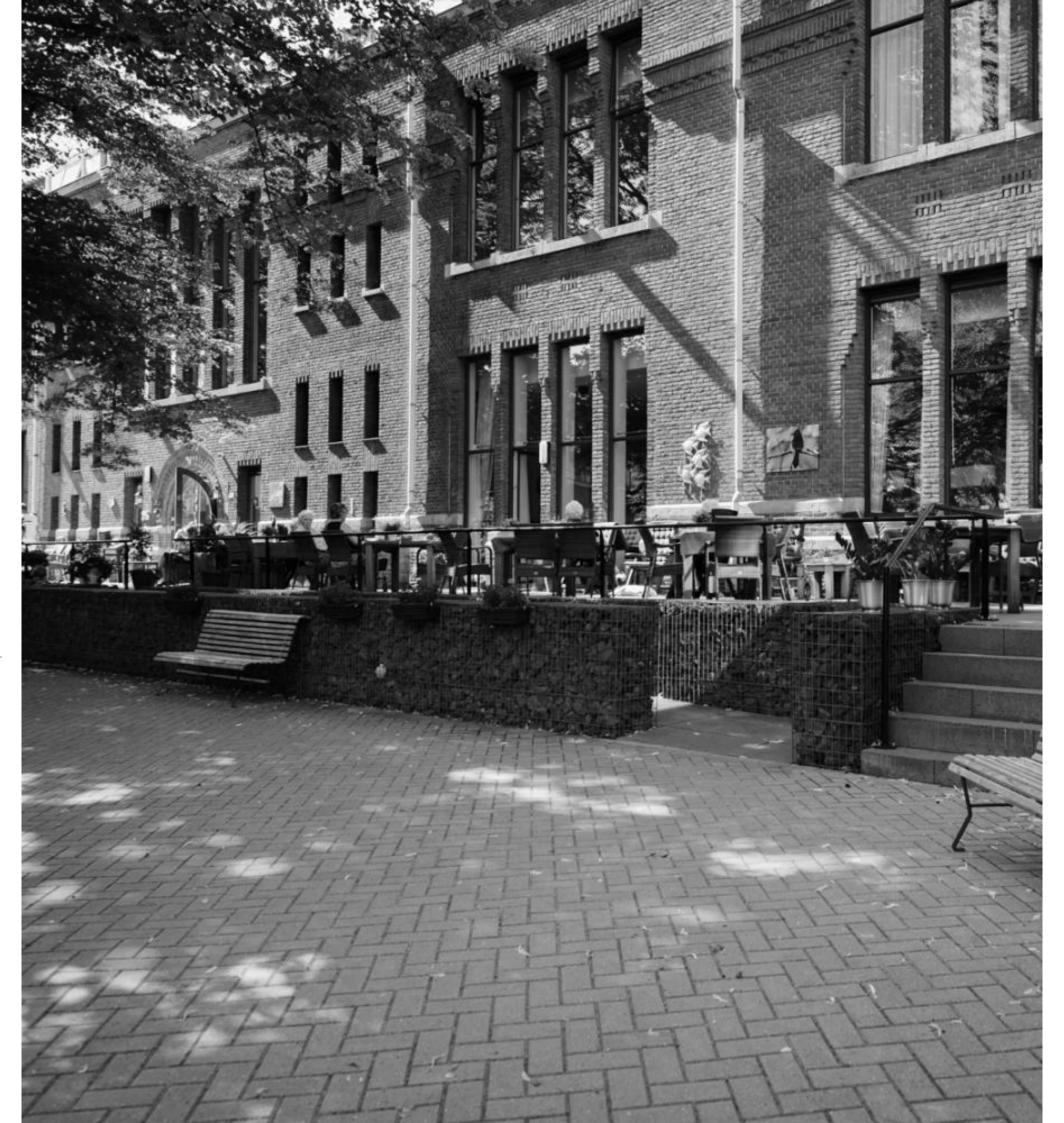
DEMENTIA CARE

The main goal of a dementia care centre is to create a protected environment for its patients. It should be a centre where the patients can wander around without getting desoriented. Often desorientation leads to stress, which can cause agression or panic attacks. The program is based on regular dementia centres.

- Care Groups
- Activity Space
- Therapy
- Cafe
- Store
- Restaurant
- Facilitating Services
- Office

The Klein Vaticaan area offers the opportunity to connect with the neighbourhood, functions like the Cafe, the Restaurant and the Store could function as the connecting elements.

I want to add Family Care housing as extra function to the ensemble. This to solve the demographic of the increasing amount of Family Care givers with are under high pressure. To connect these houses with the ensemble the care reciever could use the facilities of the ensemble aswell.



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Herbergier Delft, entrance (herbergier.nl, accessed december 30th, 2017, own editing)

ARCADE

RELATION GARDEN



1m