

Msc4 Care centre for adolescent cancer patients

● lin-da
de-sign



1.Social research 2.Program 3.The site 4.Design research 5.Design results 6.Building technology 7.Climate concept 8.Conclusion



The fairy tale house



Theme

1.Social research 2.Program 3.The site 4.Design research 5.Design results 6.Building technology 7.Climate concept 8.Conclusion





Unique challenges of adolescences



Unique challenges of adolescences



Unique challenges of adolescences

“I can do anything in life”



Independency



Cancer diagnosis

PATIENT SCREEN RACHEL EMMA S.		female 1-2-1990 joung actress	
STOMACH CANCER			
Abdominal discomfort (stomach pain) Loss of appetite (at risk of anemia) Nausea (sensation of unease and discomfort in the upper stomach with an involuntary urge to vomit) Diarrhea or constipation Fatigue (exhaustion, tiredness, listlessness)			
EMERGENCY CONTACT	PERSONAL INTEREST'S		
Father Adam M., architect Mother Ingrid M., nurse Sister Lara M., psychologist	Art, cinema, piano, reading books, fitness & yoga		
Student flat shared with Lotus S. & Lunah B., Raamgracht 21, Amsterdam		UNIVERSITY STUDIES 2010 master of theater Ams. Hogeschool v.d. Kunsten	
Tumor tissue		TREATMENT CHOICES BY TYPE AND STAGE OF STOMACH CANCER	
Stomach	0.68	0.68	0.68
2	0.55	0.21	0.17
Stage 2	0.41	0.14	0.20
Surgery	0.41	0.14	0.20
Gastrectomy	0.12	0.12	0.25
Stage 3	0.66	0.22	0.38
Chemotherapy	0.18	0.32	0.78
Radiation therapy	0.18	0.32	0.78
Large intestine	0.44	0.14	0.35
remove all or part of the stomach	0.12	0.06	0.03
2	0.54	0.17	0.21
Stage 3	0.56	0.18	0.28
Surgery	0.56	0.18	0.28
Chemo	0.08	0.30	0.07
Radiation	0.48	0.09	0.01
Stage 4	0.39	0.08	0.31
cancer has spread to distant organs, a cure is usually not possible. But treatment can often help keep the cancer under control and help relieve symptoms	0.18	0.56	0.18
	0.20	0.31	0.18
	0.16	0.12	0.42
	0.40	0.18	0.70
	0.70	0.76	0.72
	0.66	0.66	0.66

“The impact of being different can be devastating to a young adult at a time when the norm is to conform.”

Baker 1997: 5.

“I can do anything in life”



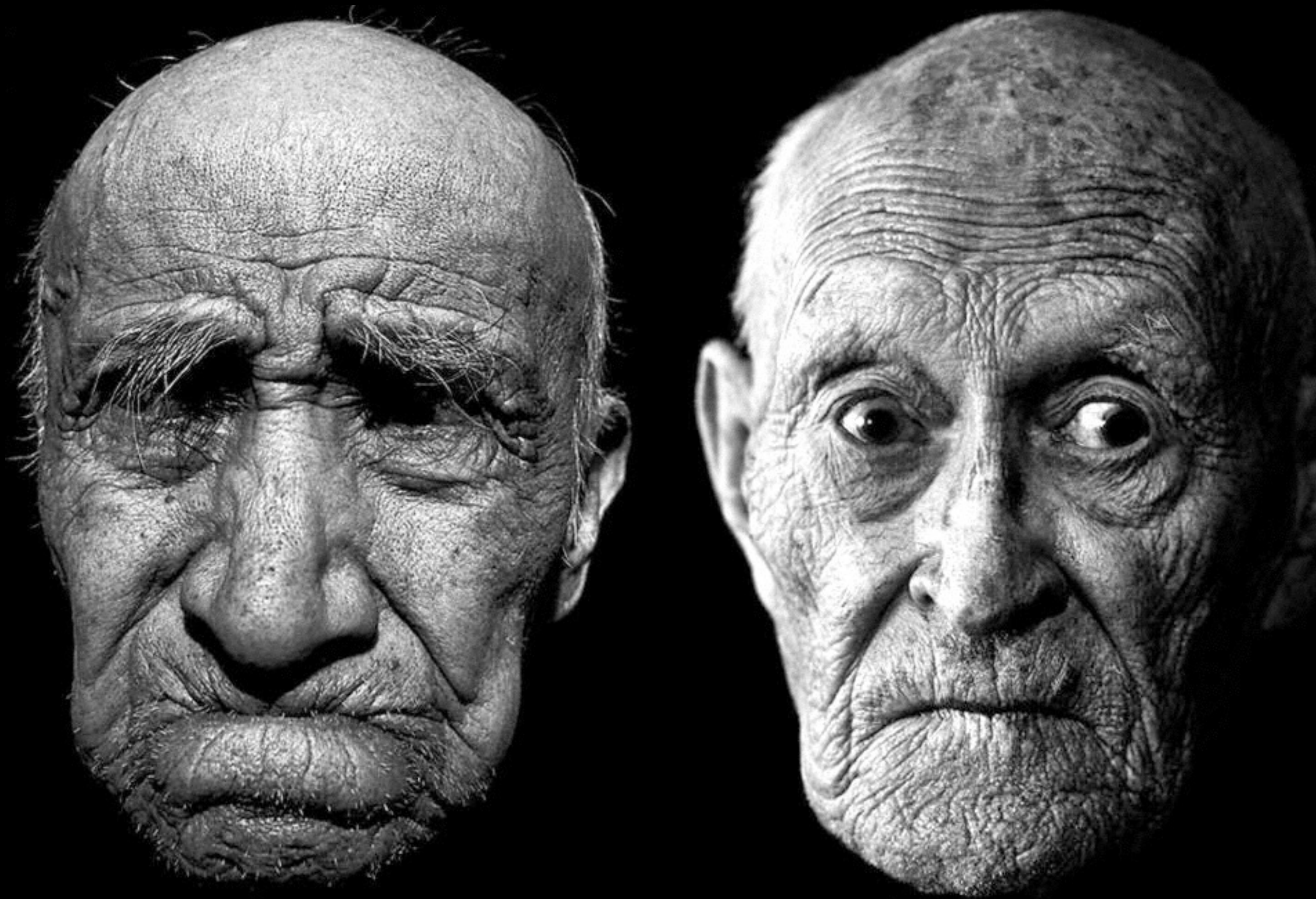
vs. growing insecurities & dependency



Feeling of lost control

“While survival rates for children and older patients have improved in the past 25 years, the rates for teenagers and young adults have not improved.”

www.cbsnews.com



“When you are 60 years old, you don't care about fertility. When you are 6, you don't really care about fertility. When you are 21 or 28, you want to have a child, but chemotherapy makes you impotent or infertile.”

www.cbsnews.com

Right information

“Das schlimmste war sicherlich, da ich in der 12. Klasse erkrankt bin und die Schule mir das Abitur verweigert hat.
Ohne Grund. Nur weil ich krank bin? “ www.krebs-kompass.org

Education

1.Social research 2.Program 3.The site 4.Design research 5.Design results 6.Building technology 7.Climate concept 8.Conclusion

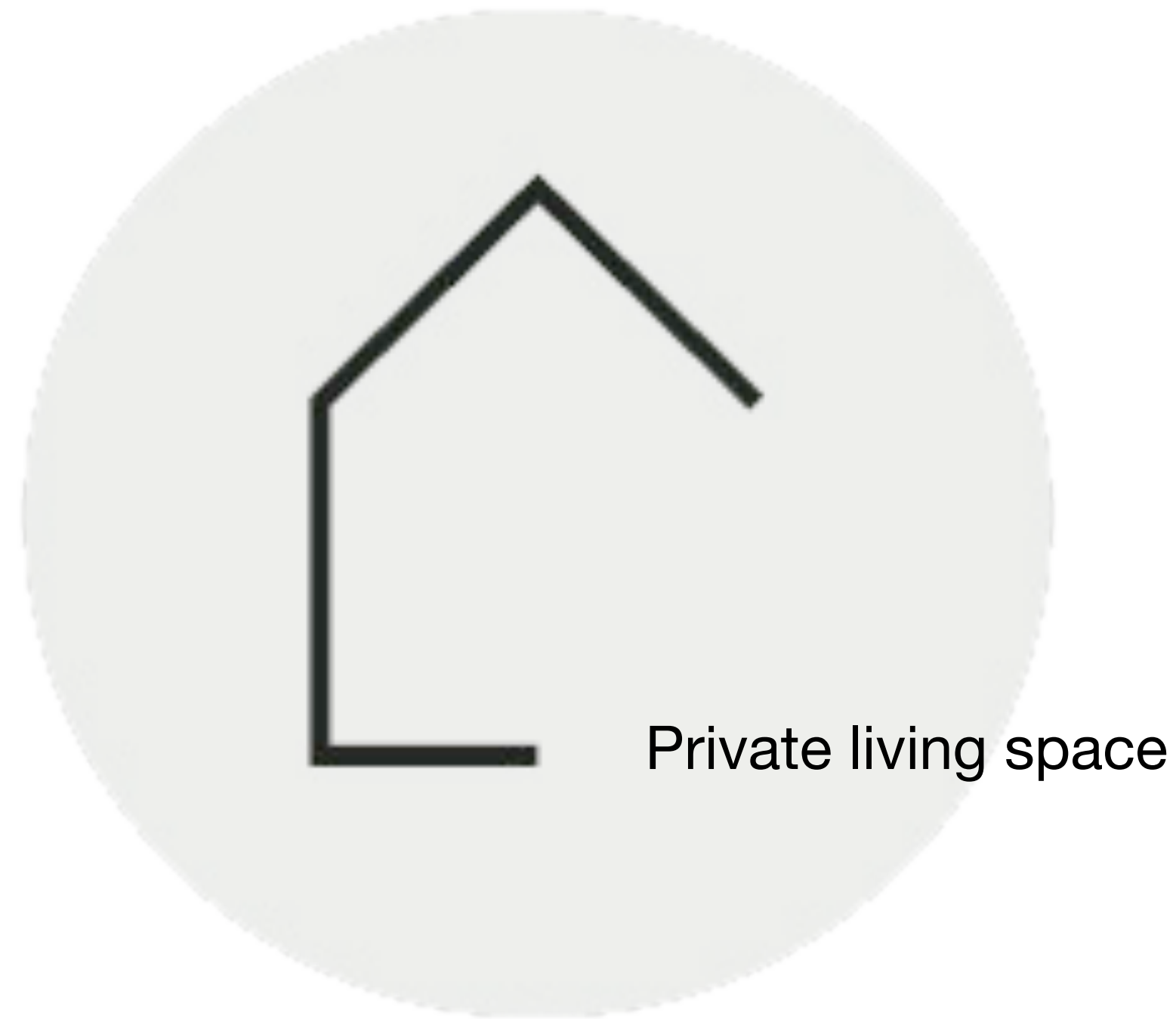
INFORMATION CENTRE
CONVERSATIONS
EDUCATIONAL SUPPORT
COOKING WORKSHOPS
MUSIC
ART
FILM MAKING
YOGA & PHYSICAL TRAINING

Chose individual therapy program

“Rehabilitation and exercise are essential components of comprehensive cancer care,
as the disease and its treatments present many challenges to functional independence and health.”

Bleyer 2007: 401.

Physical exercise



Regain autonomy and privacy

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Amsterdam North



Vliegenbos



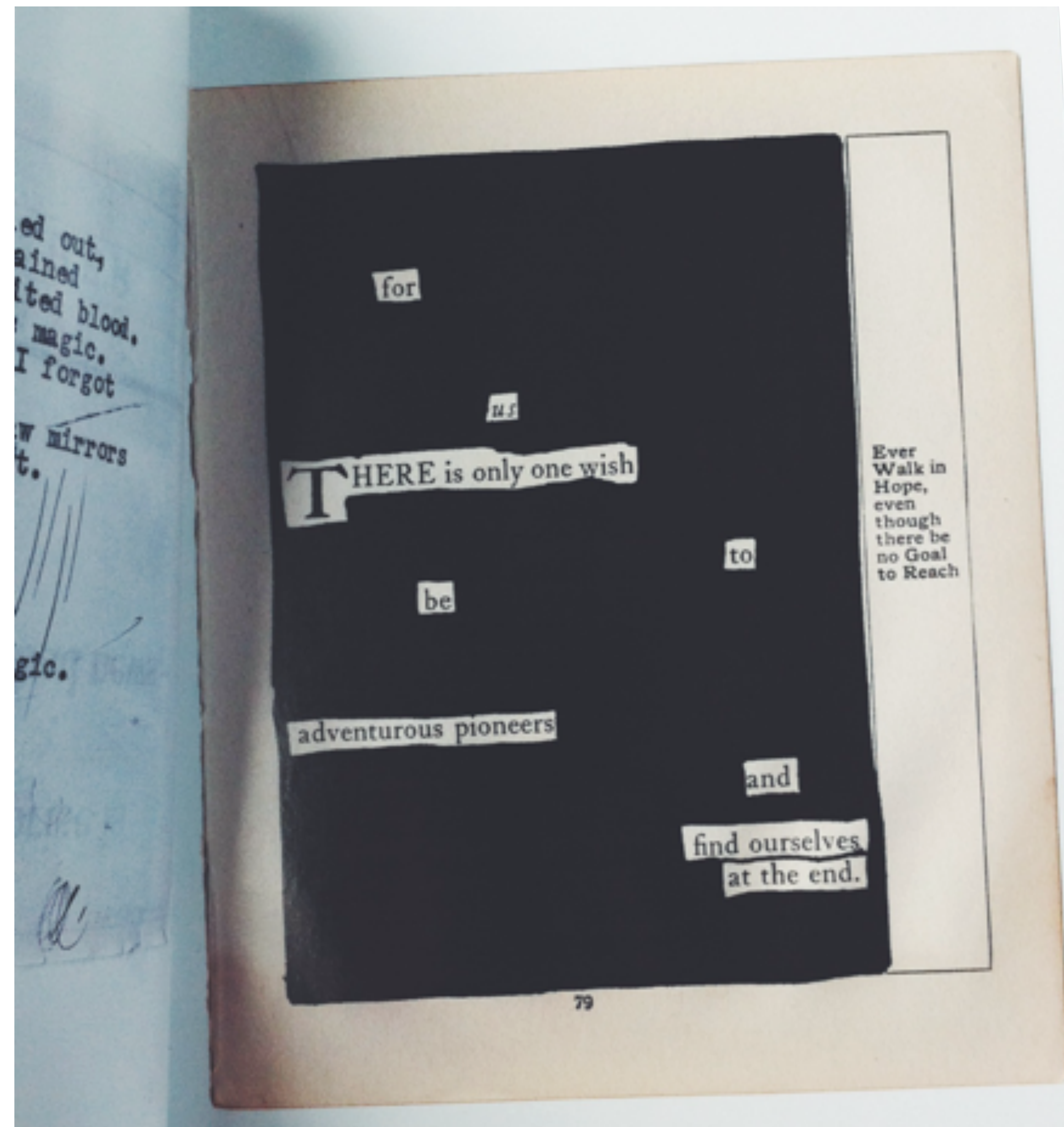




Escapement
Protection
Adventure



Fairytale theme



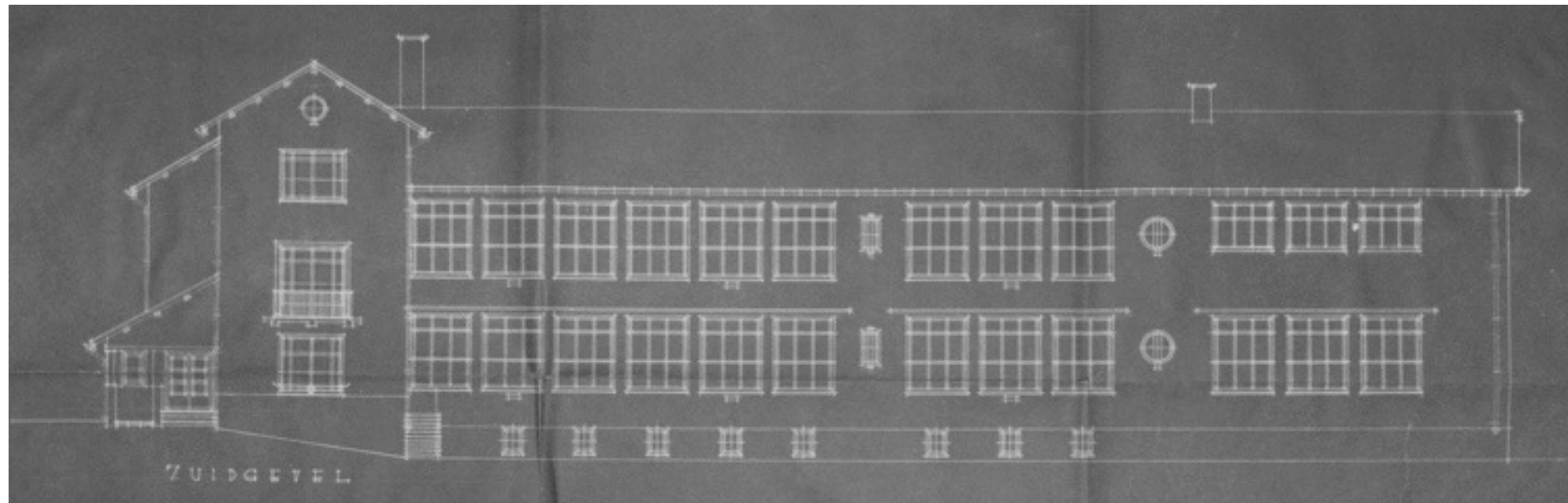
Fairytale theme



Surrounding



North facade

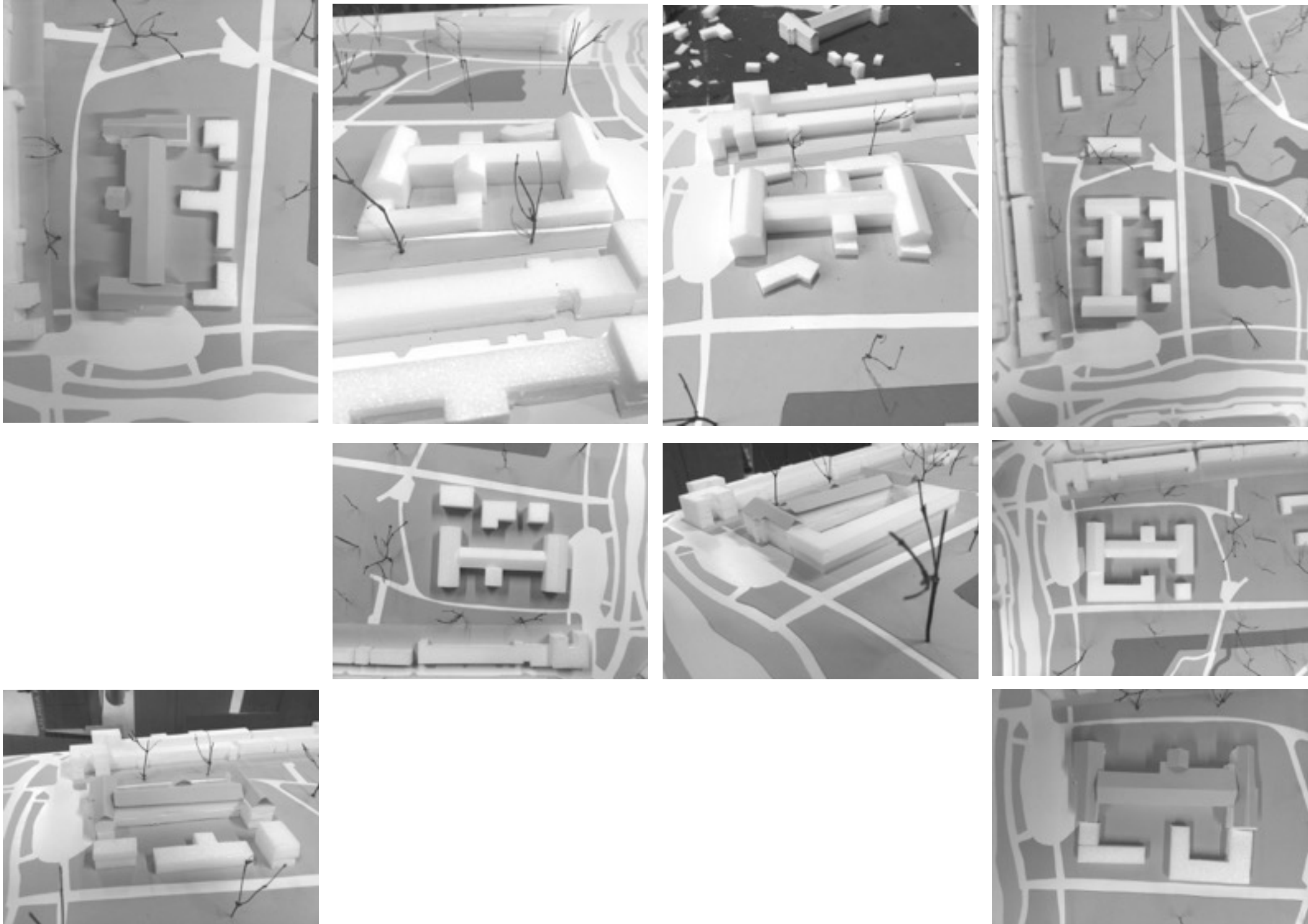


South facade



North facade

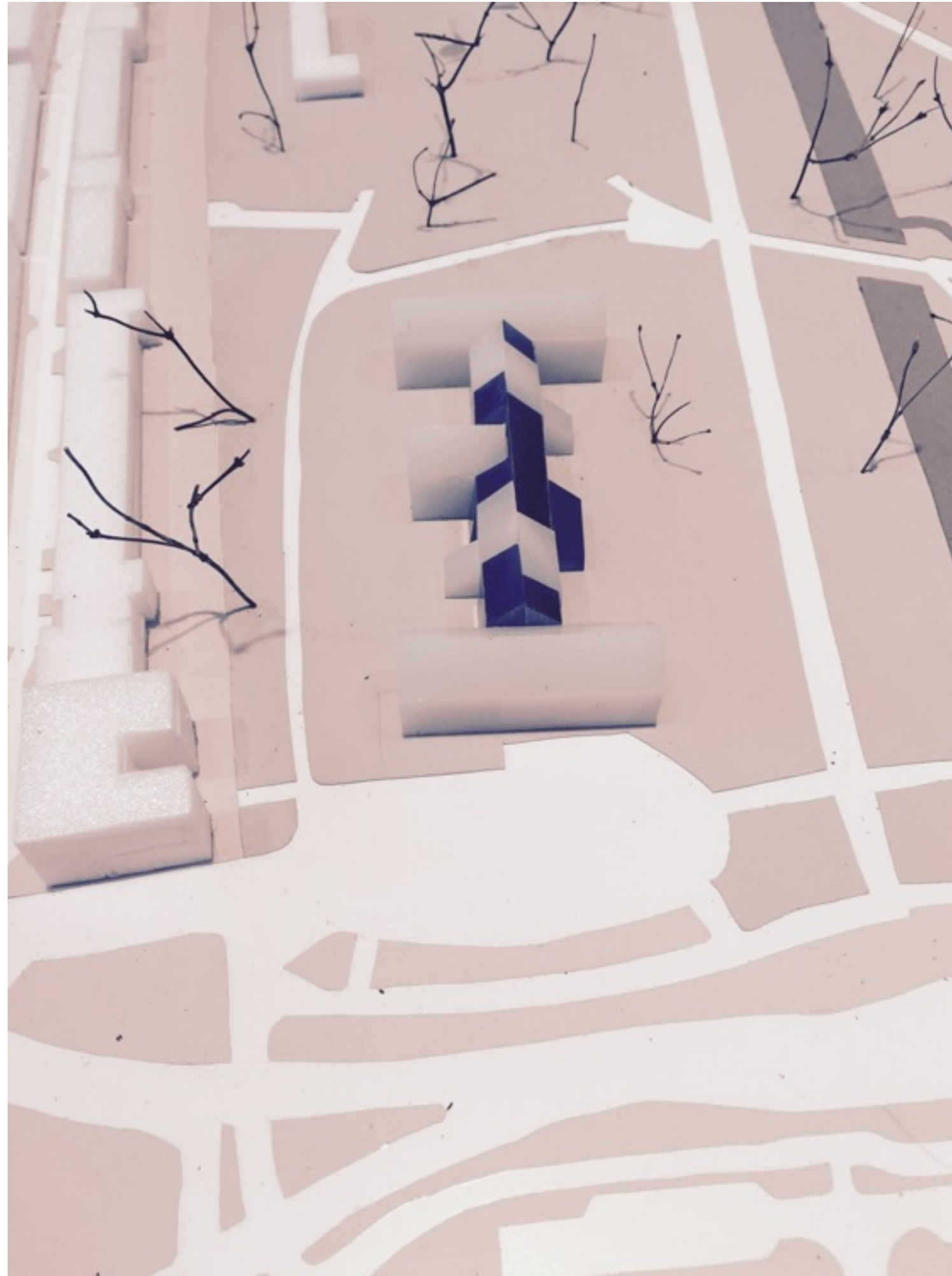
1.Social research 2.Program 3.The site 4.Design research 5.Design results 6.Building technology 7.Climate concept 8.Conclusion



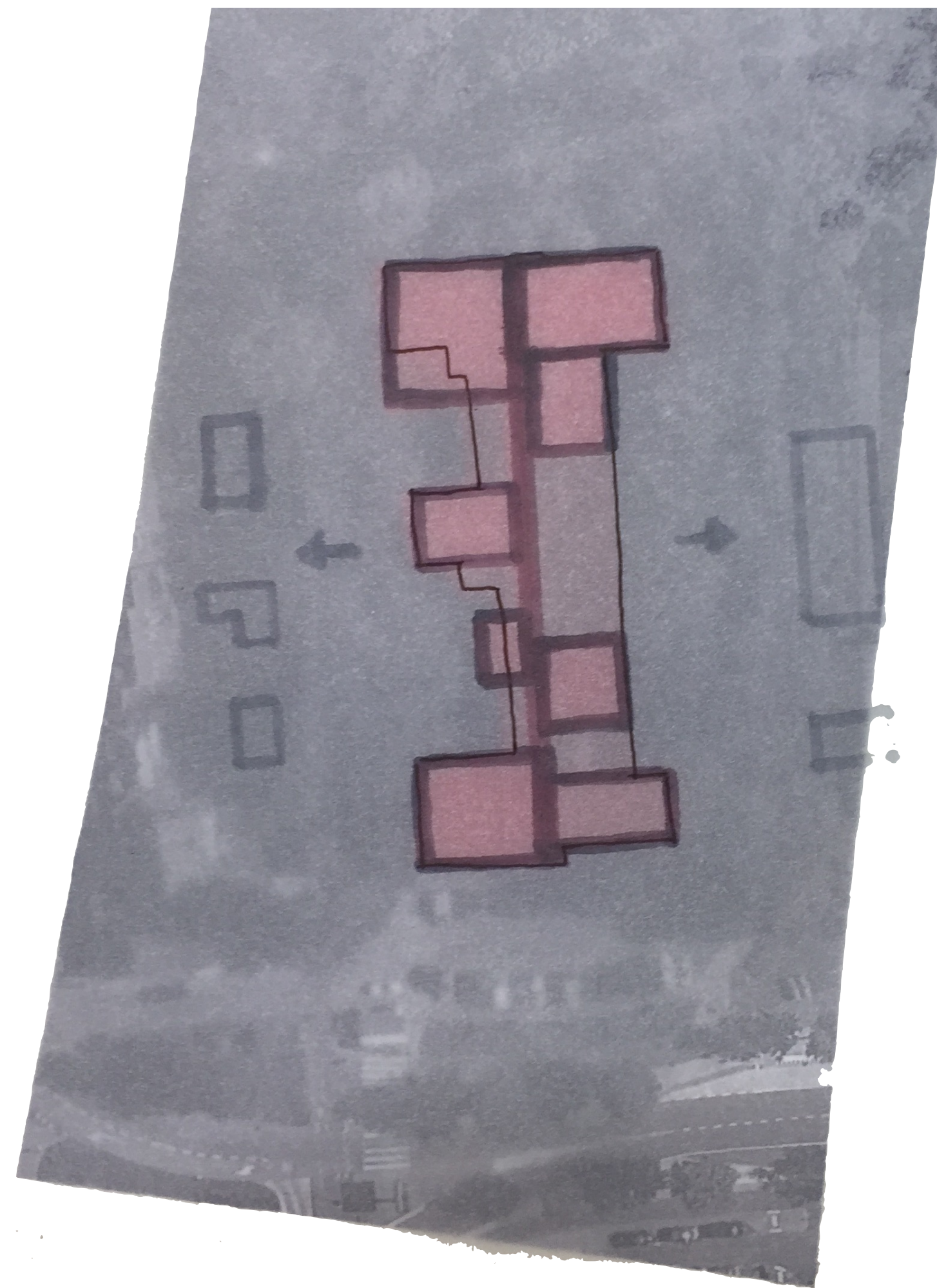
Feeling of being in control by allowing patients to do as much as possible by themselves.



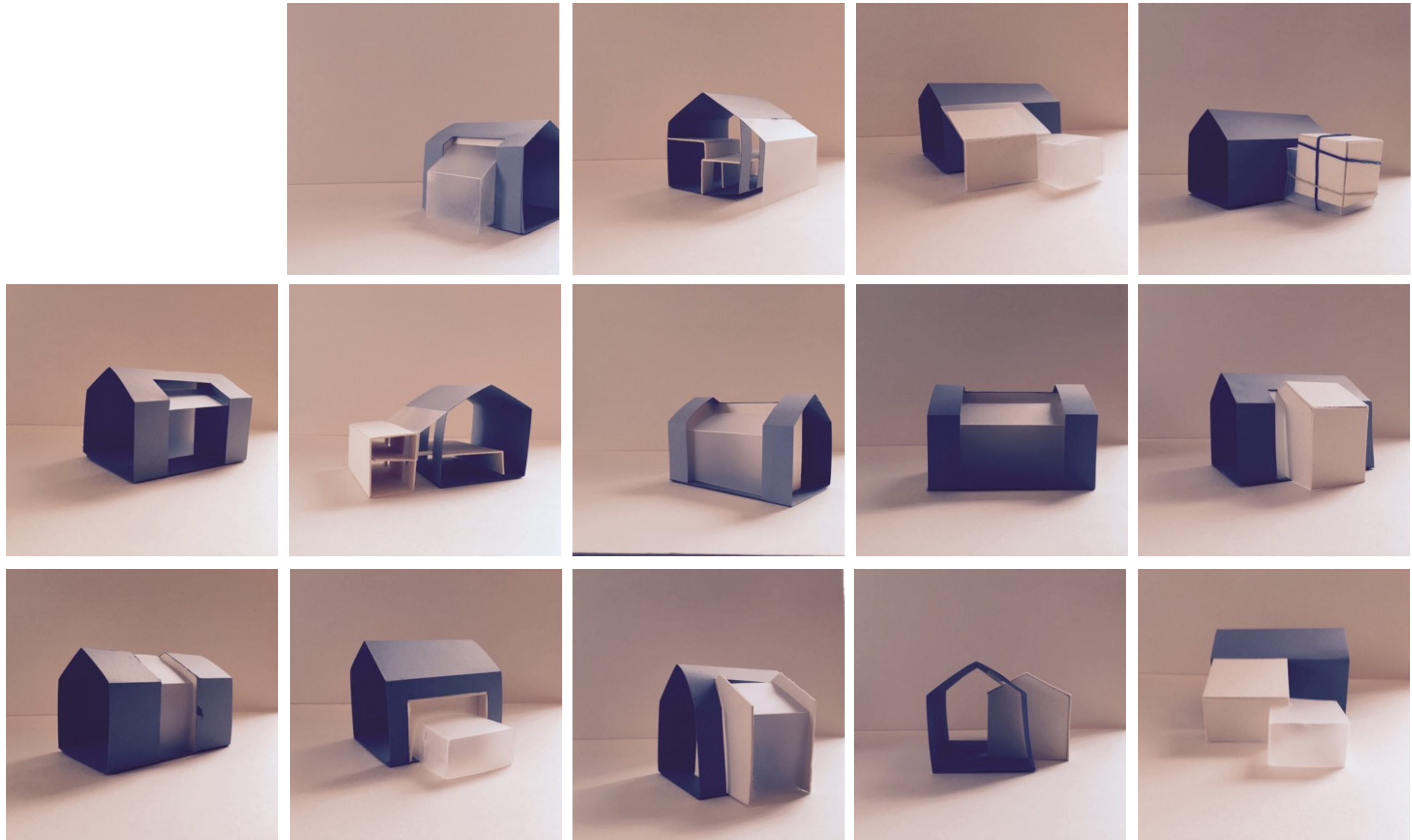
Movement



Urban studies



space for movement and interaction



Model studies refurbishment



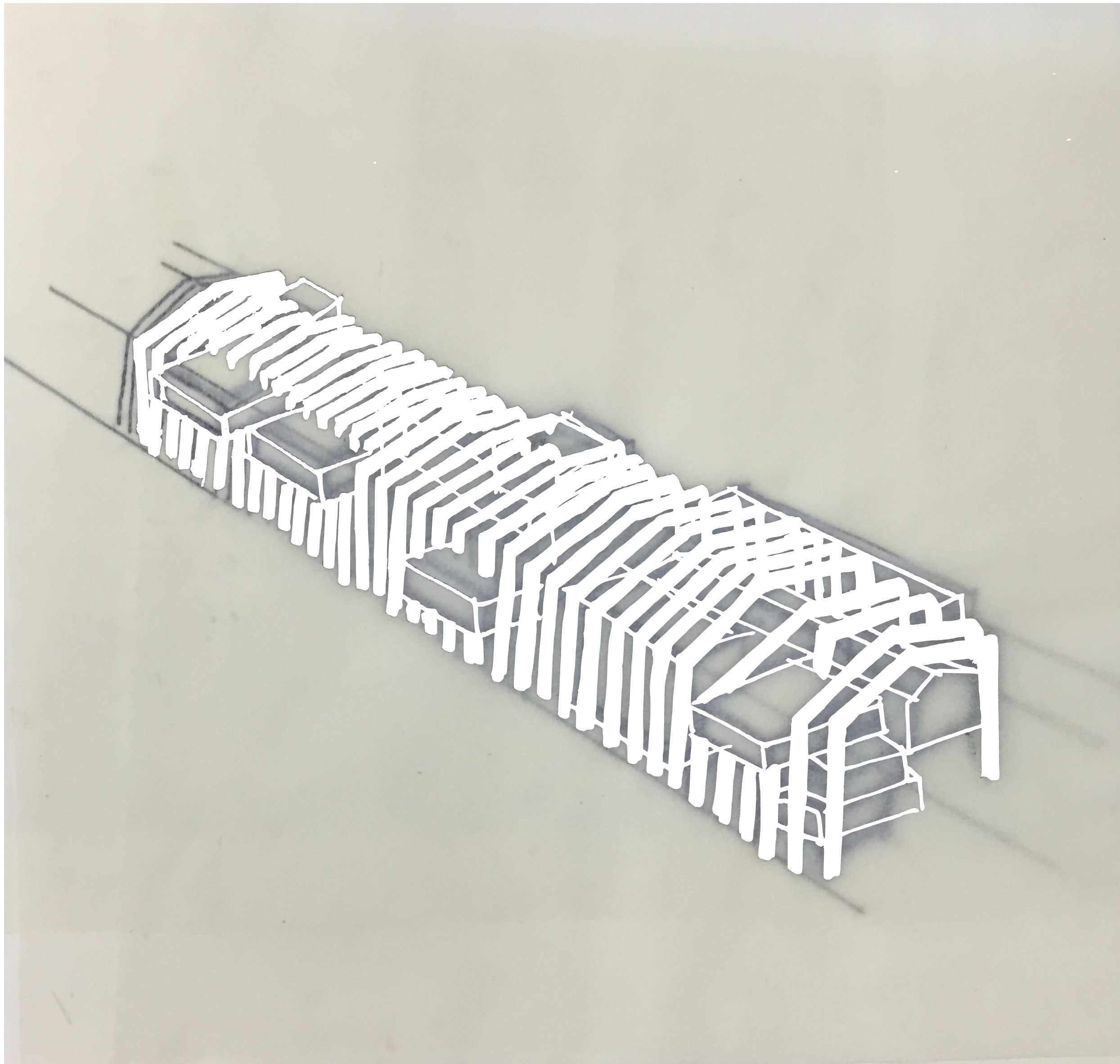
Model studies interior



Model studies extension

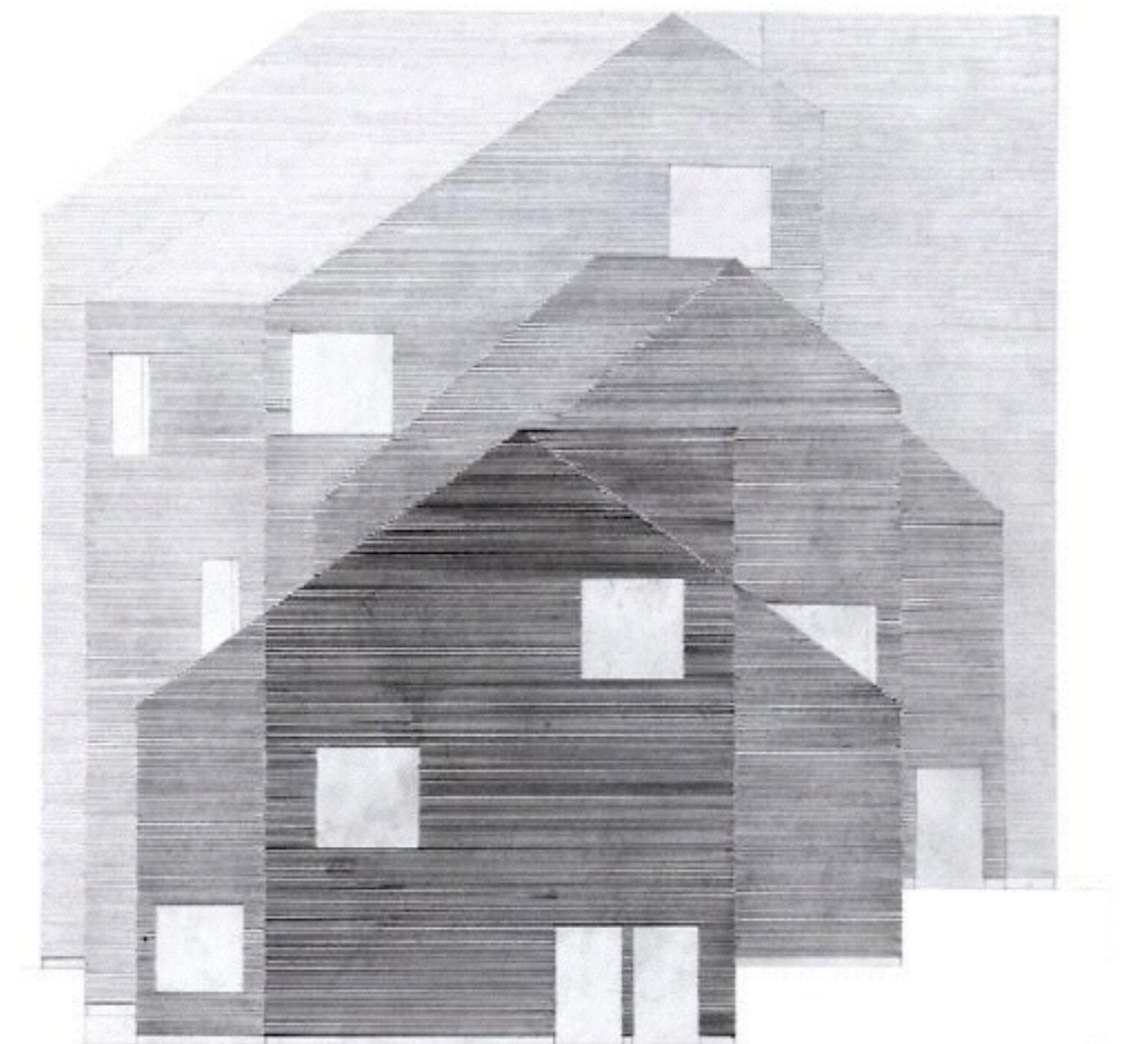


Model studies extension

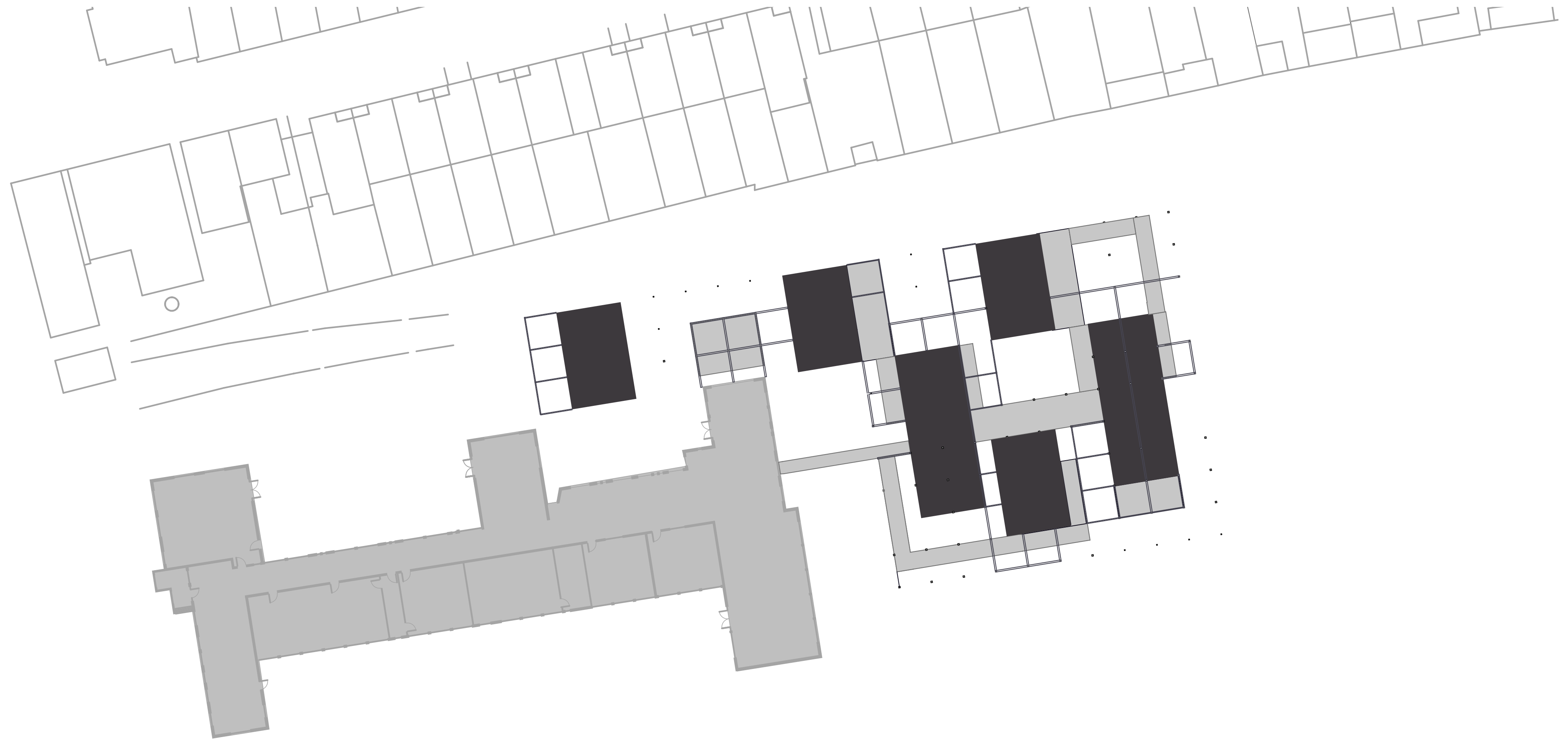


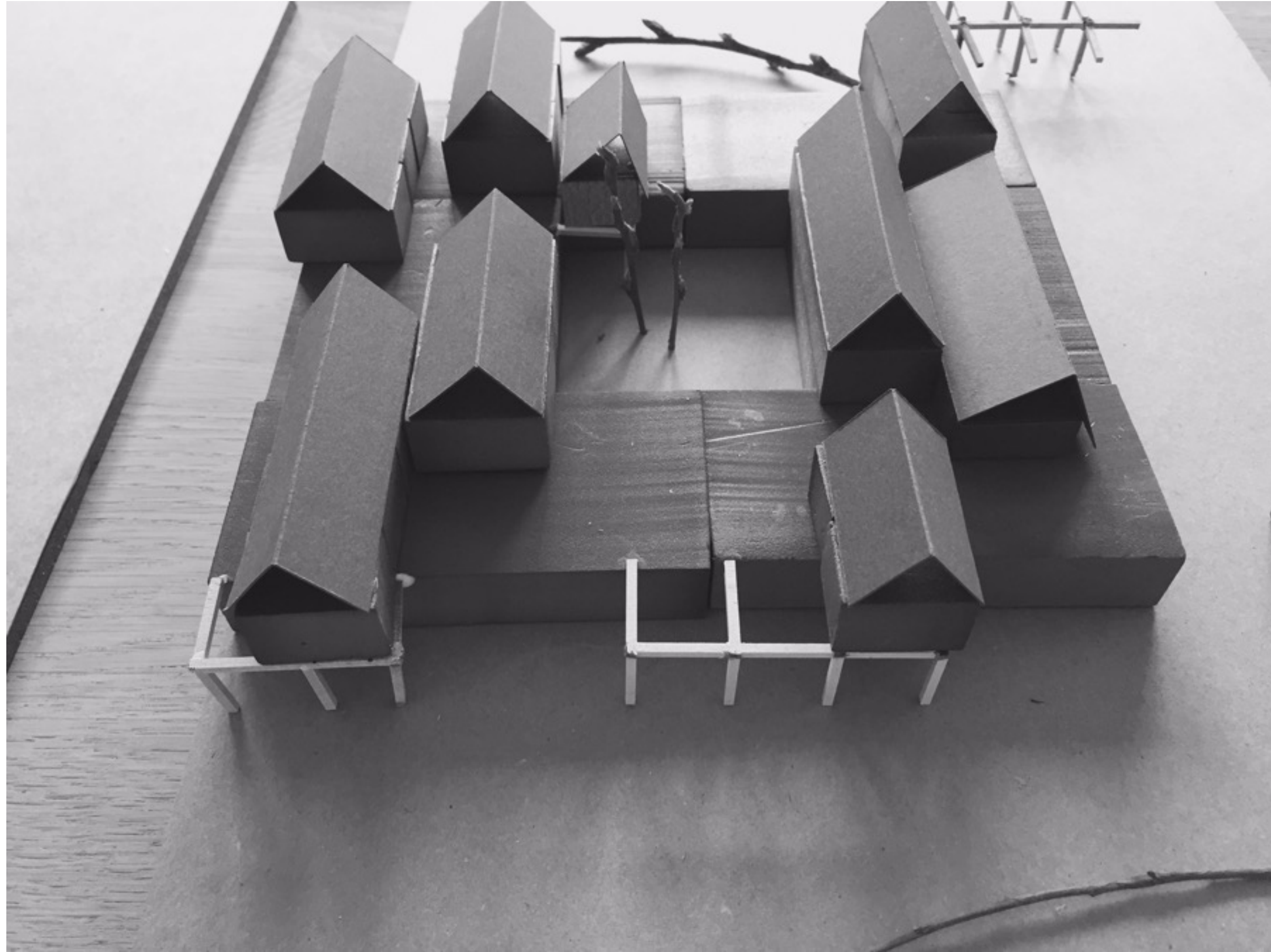


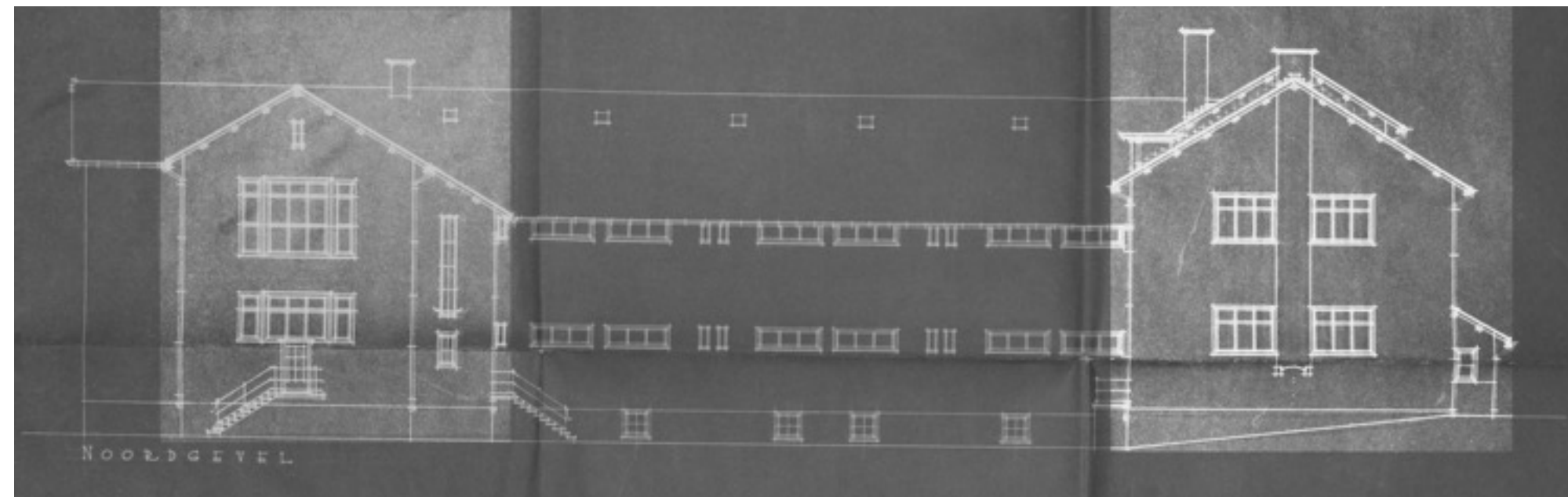
Model studies extension



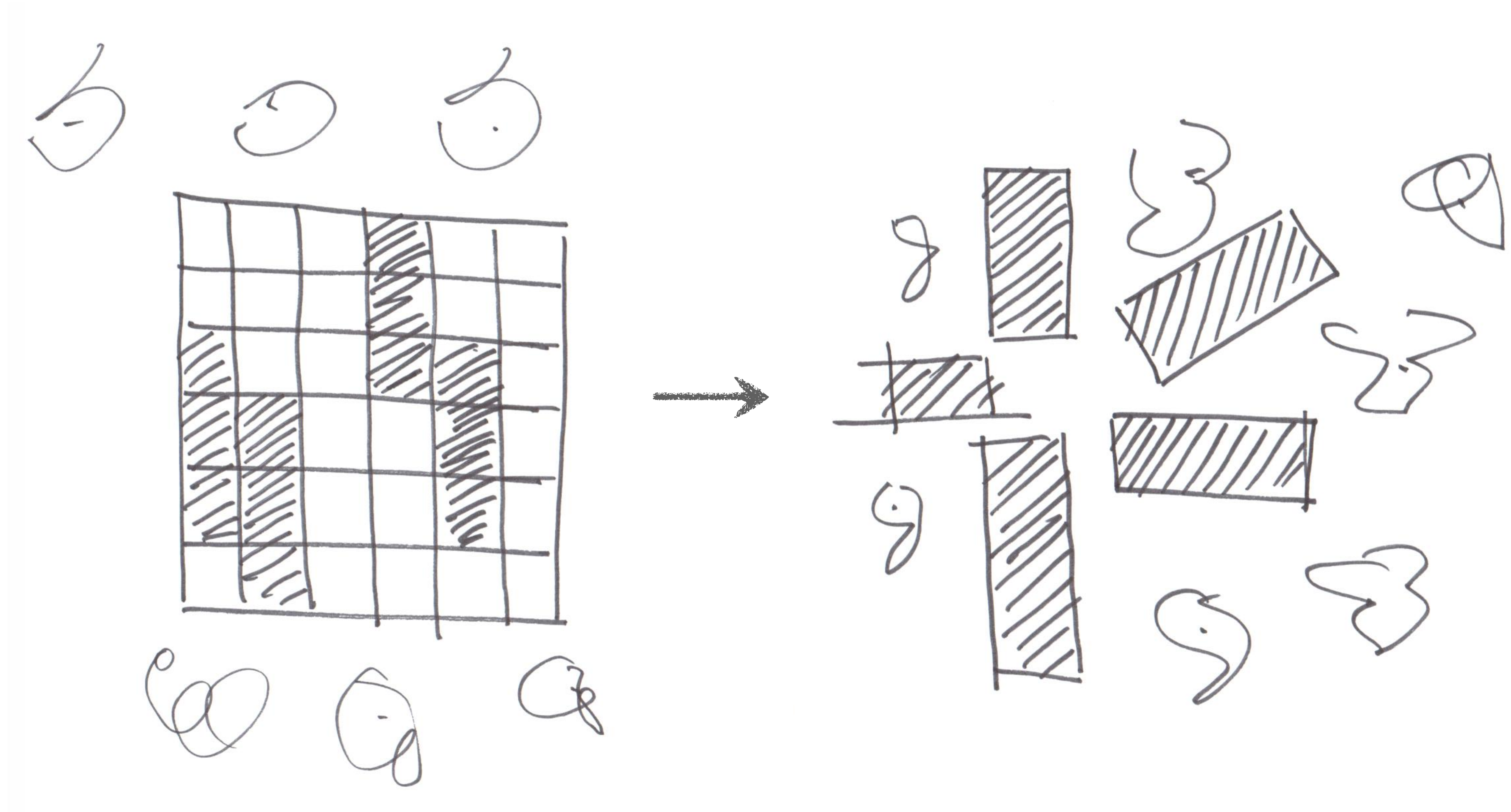


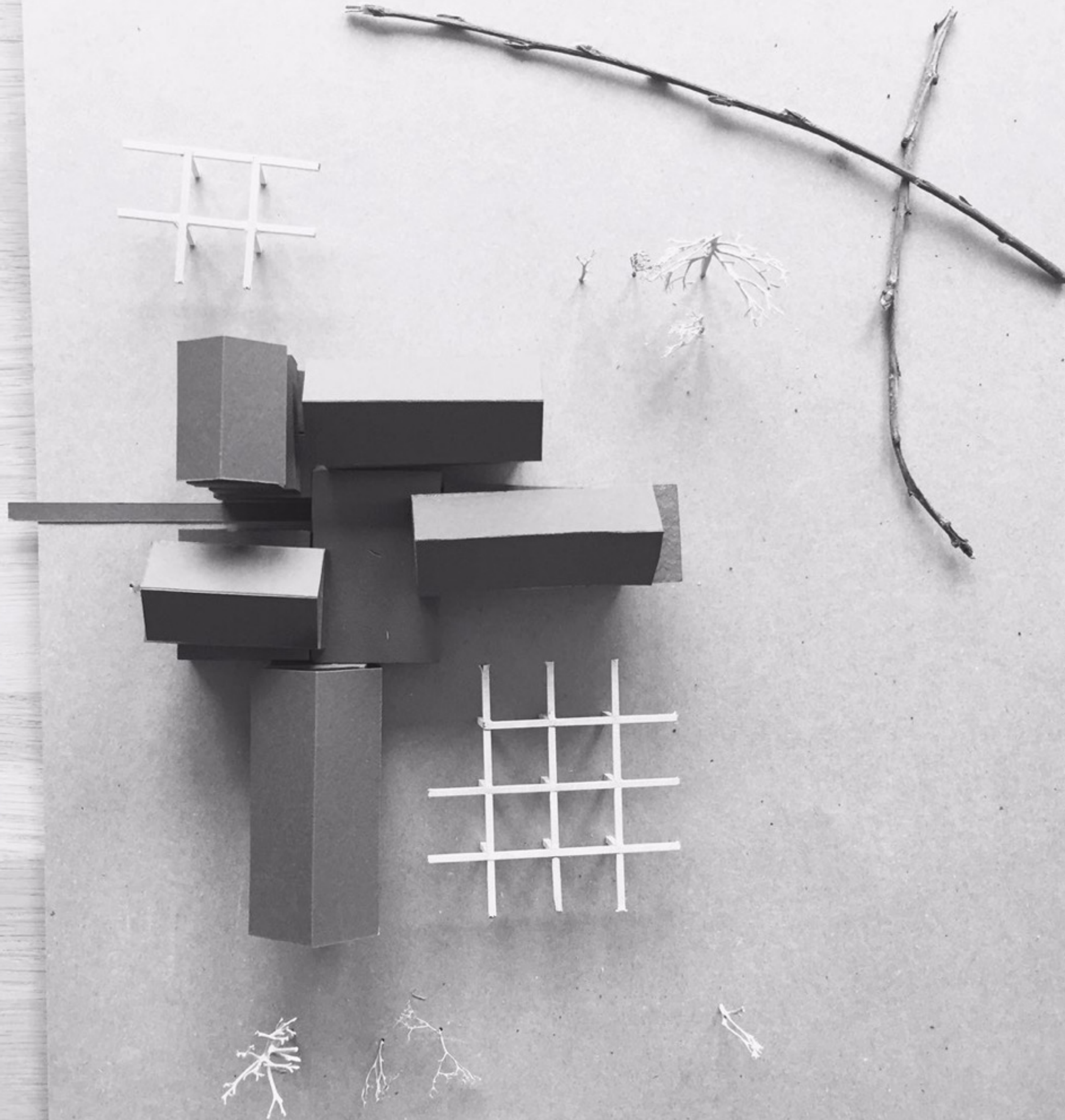


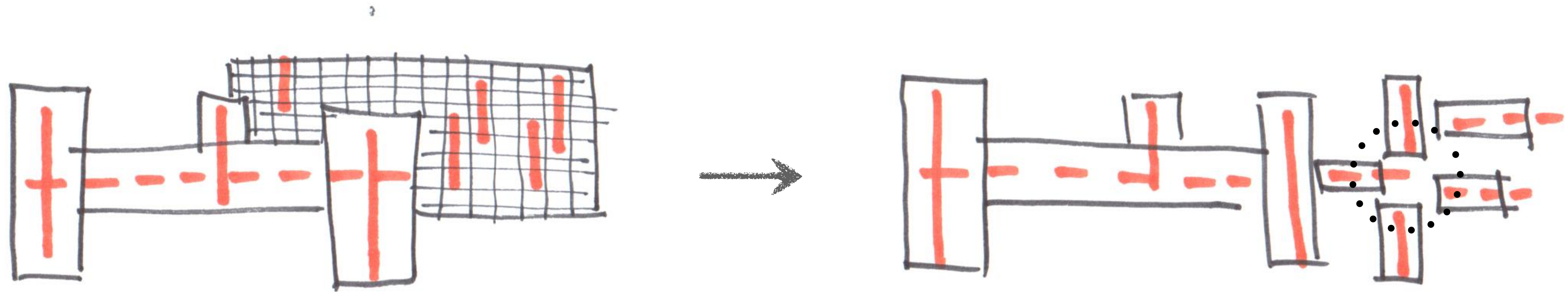




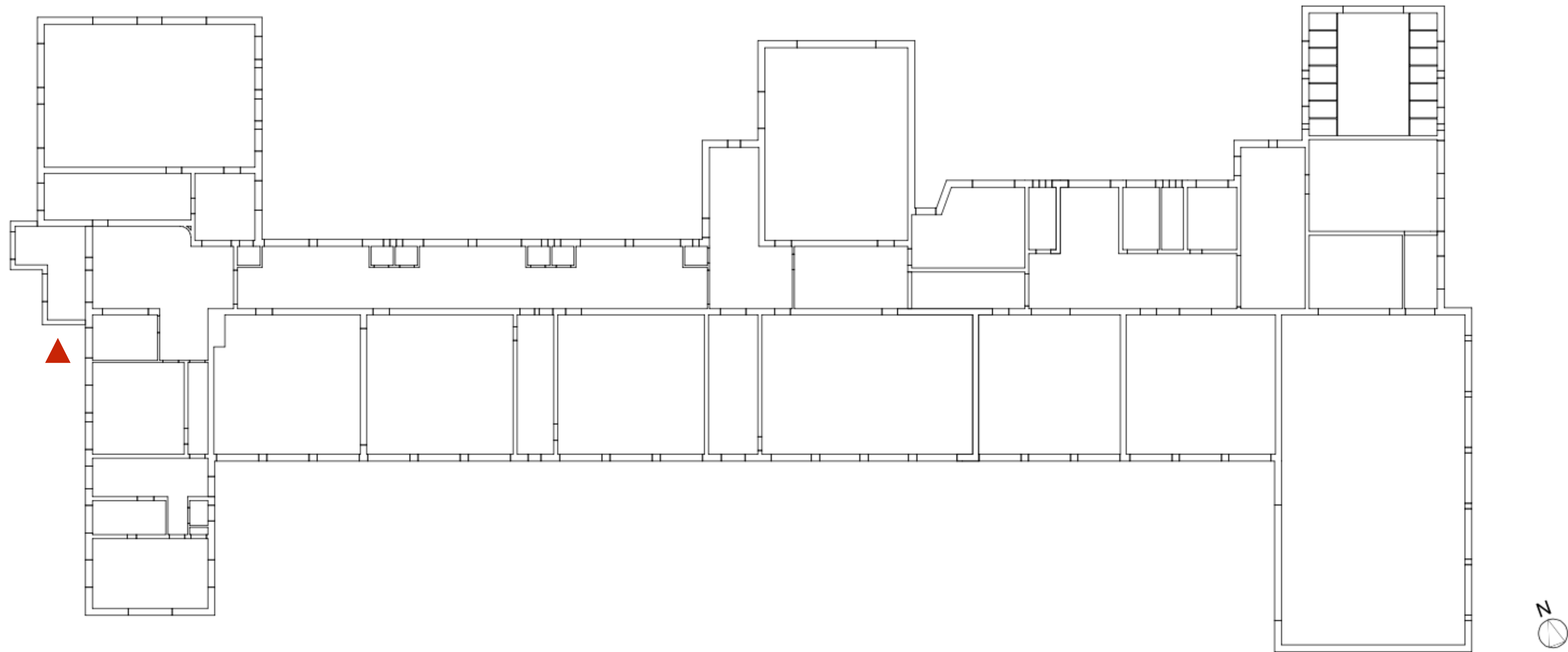
Extended wings



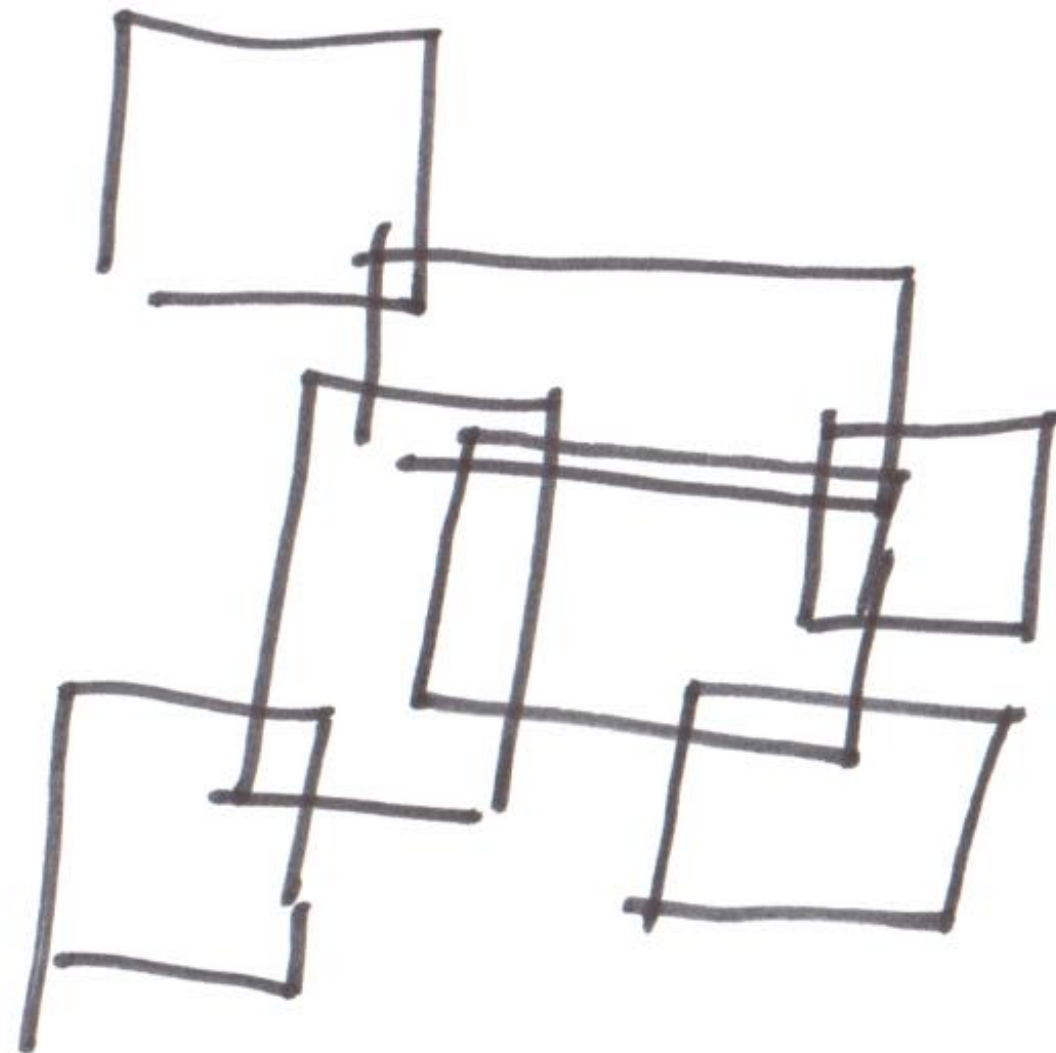
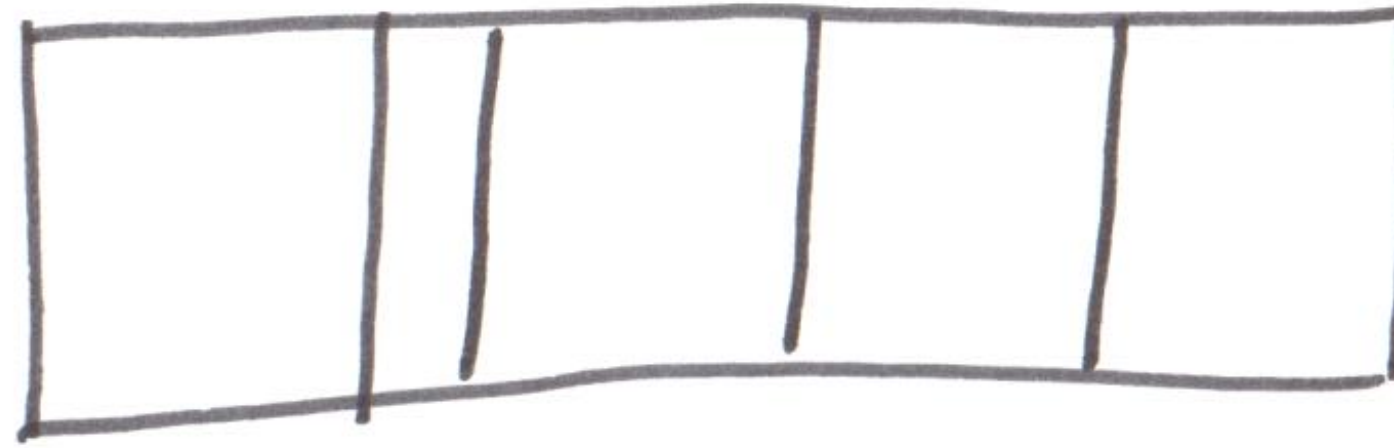




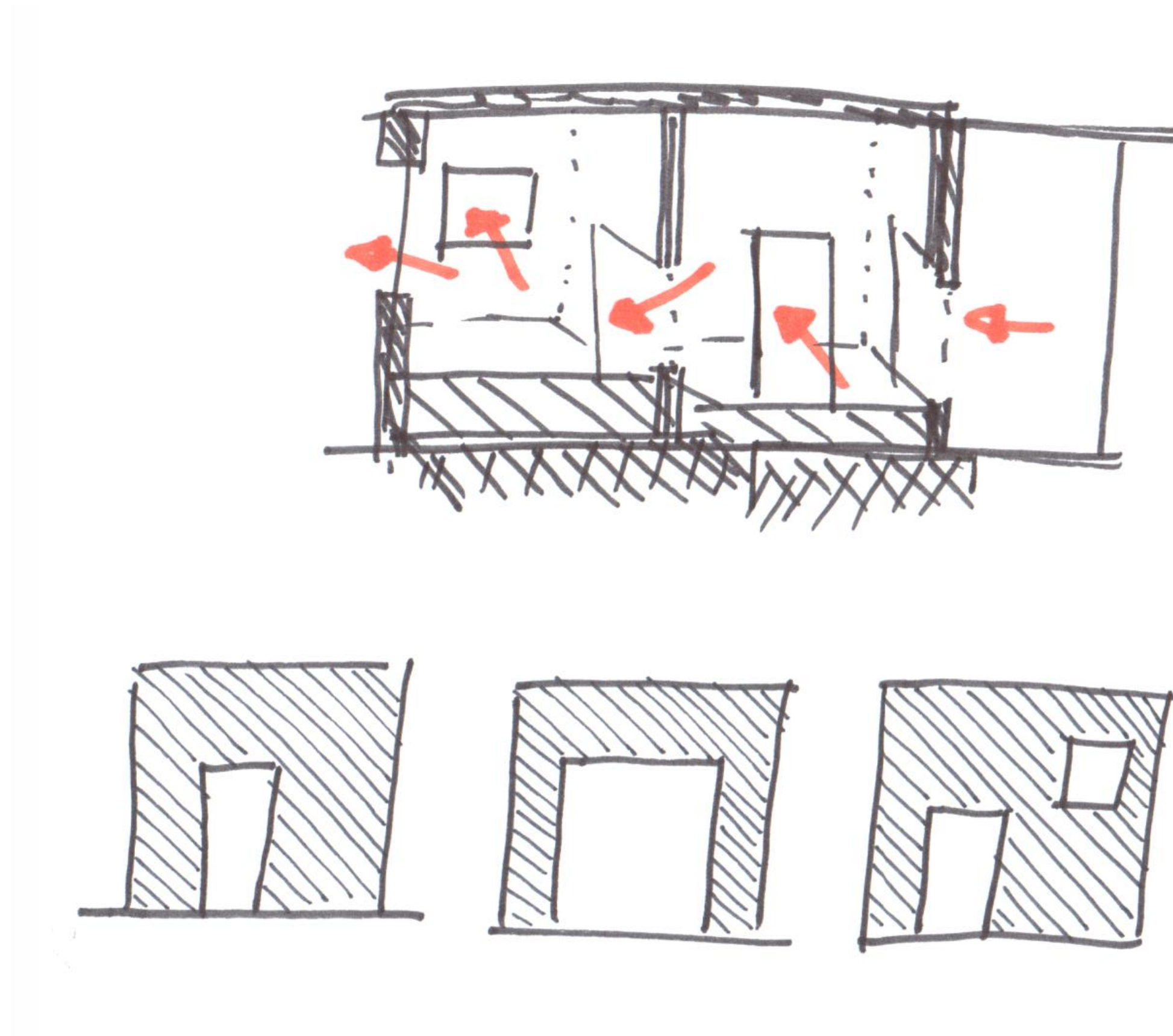
Roof directions & central space



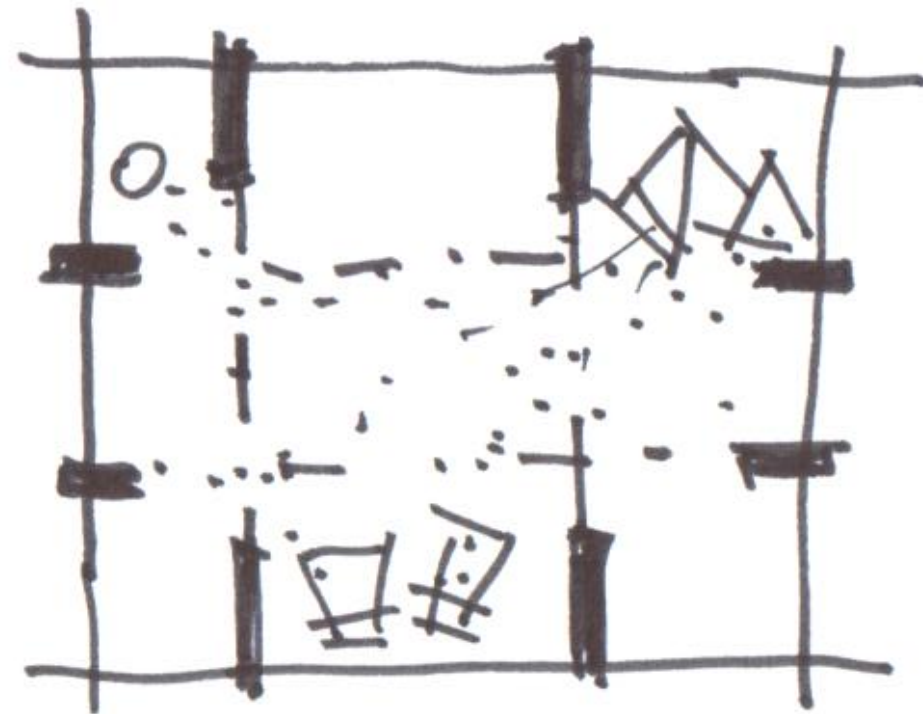
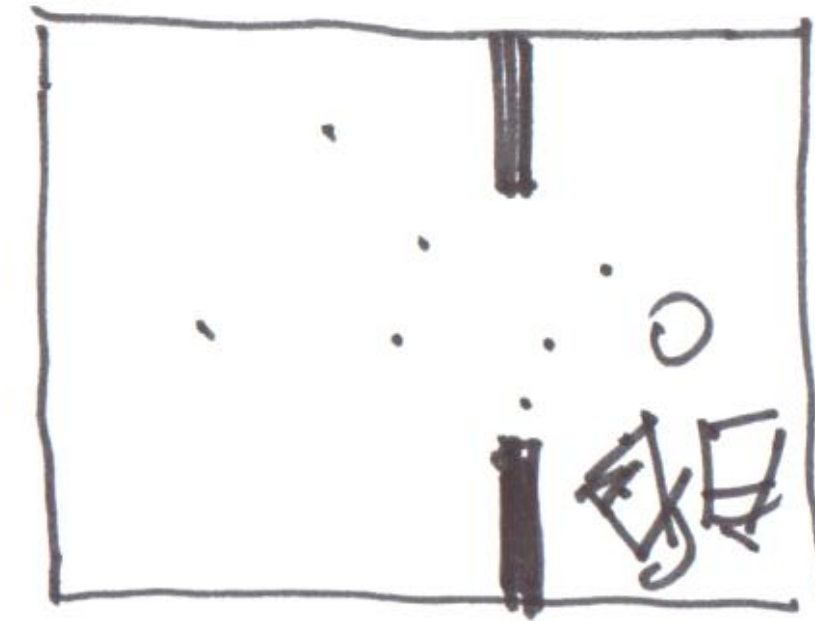
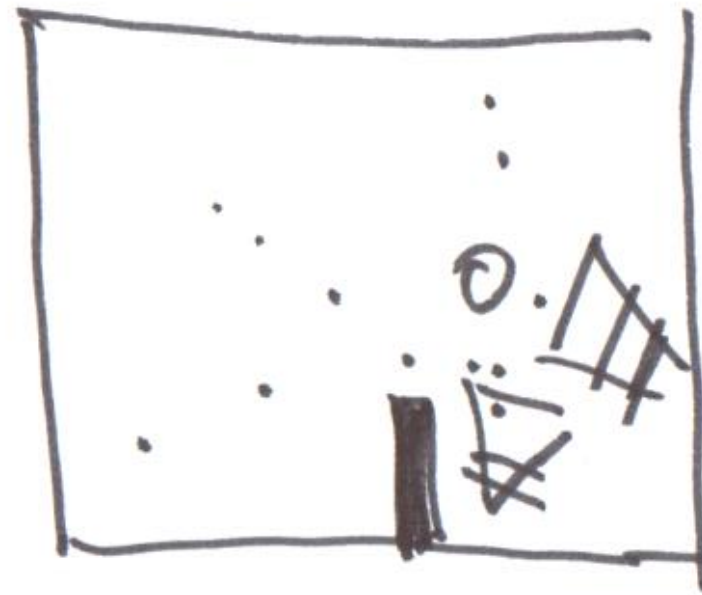
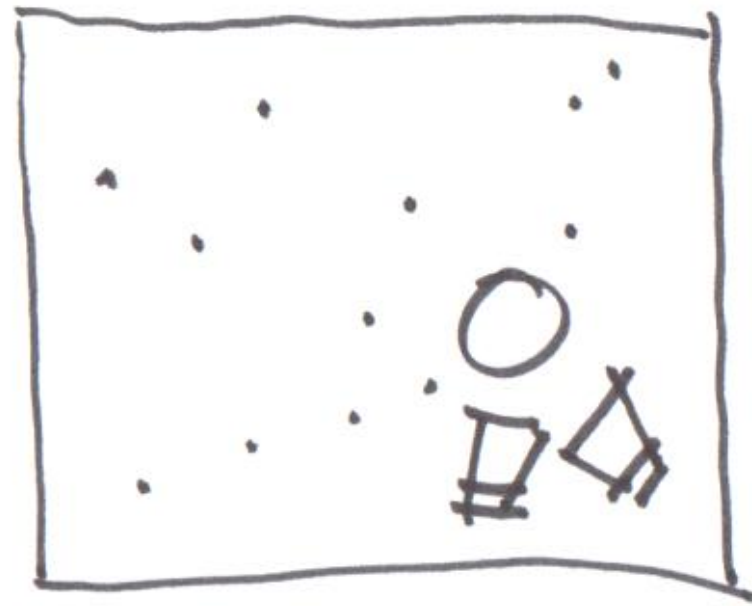
Existing floor plan



Collective cluster



Connections in space



Sheltered spaces

1.Social research 2.Program 3.The site 4.Design research 5.Design results 6.Building technology 7.Climate concept 8.Conclusion

- A. Existing building
- B. Building extension



Site plan





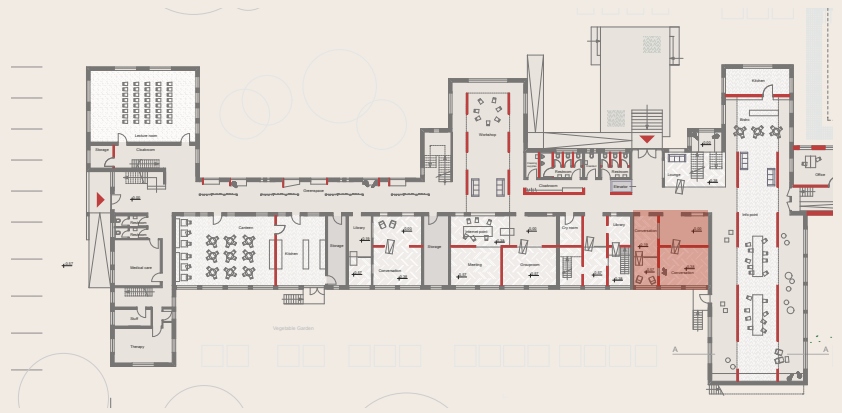


red walls = new walls

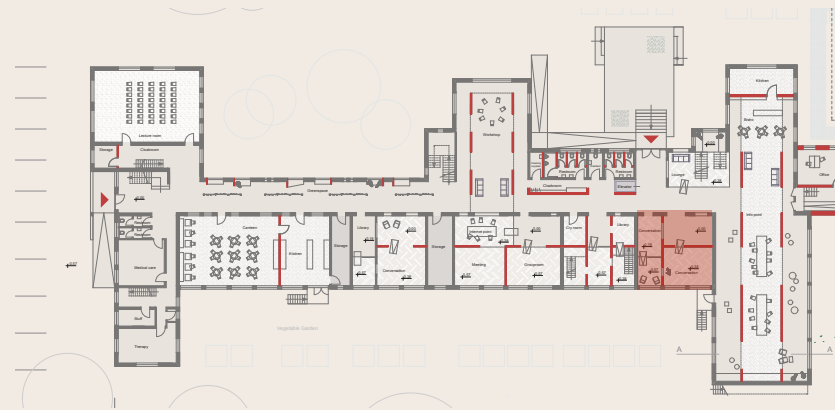
Ground floor

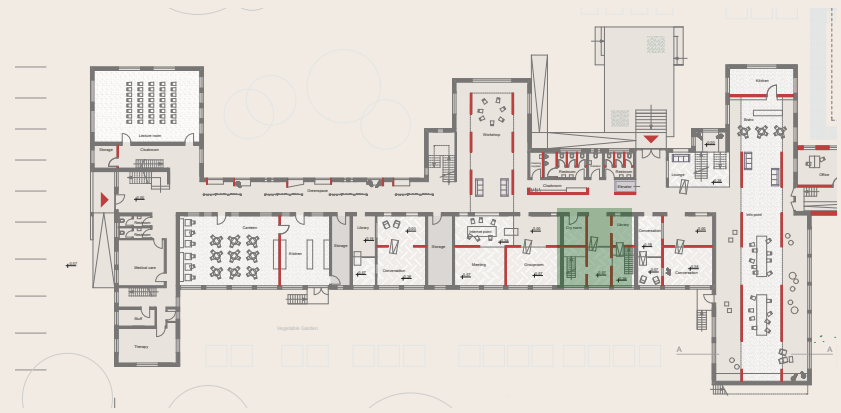


Welcoming area

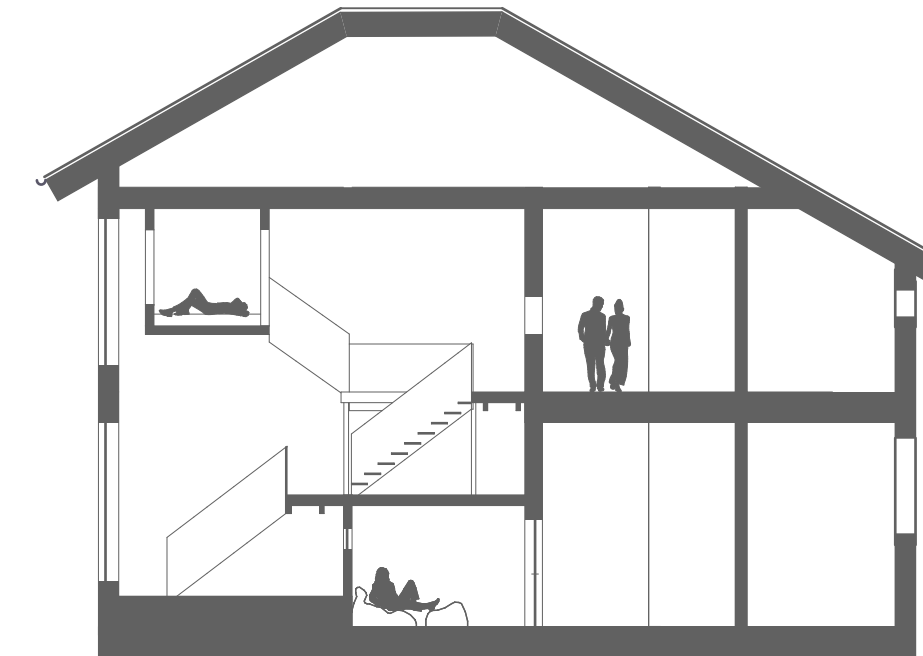
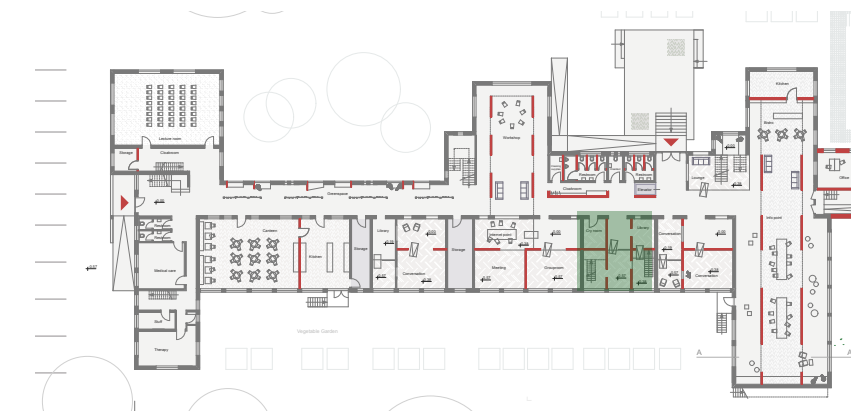




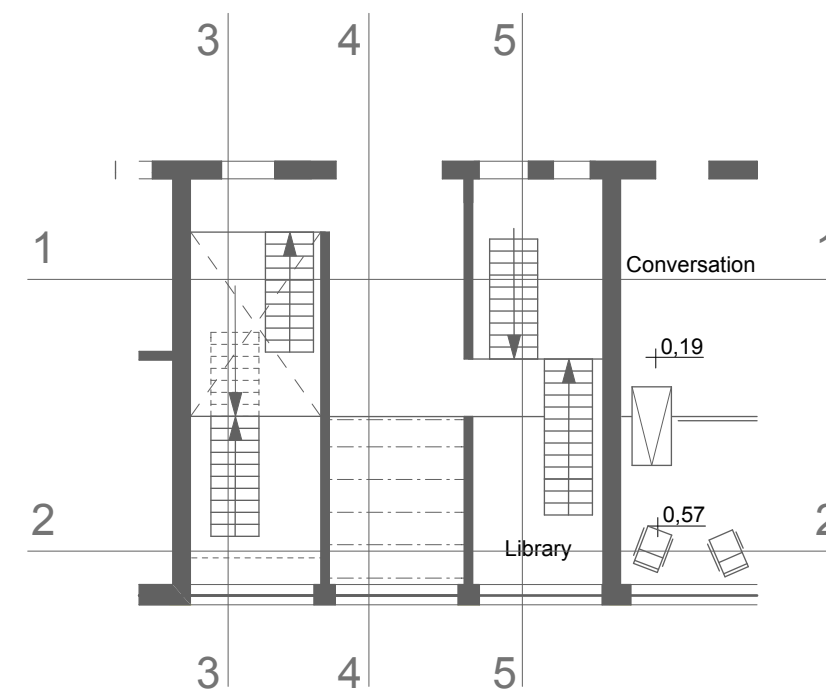




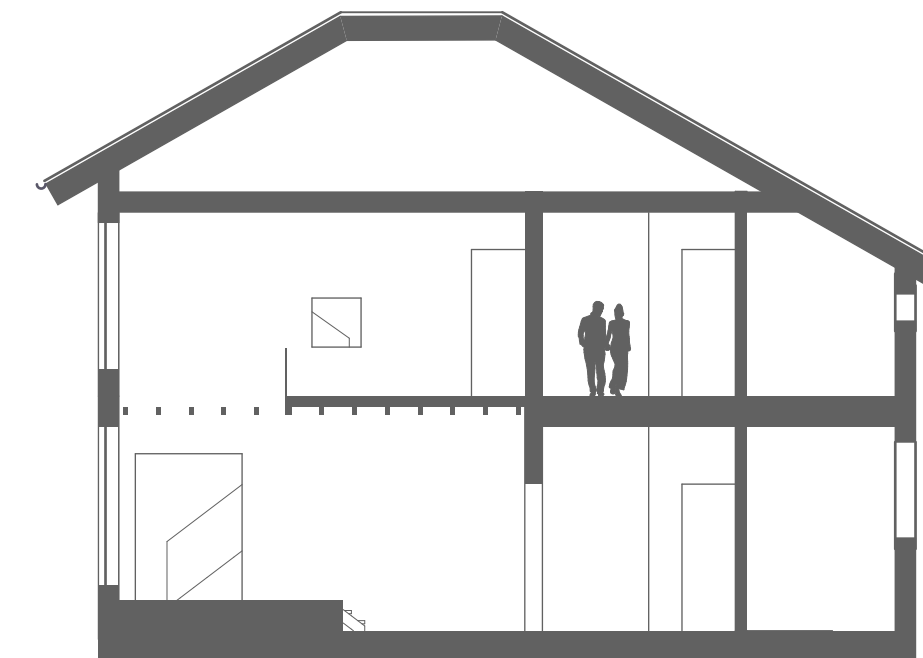




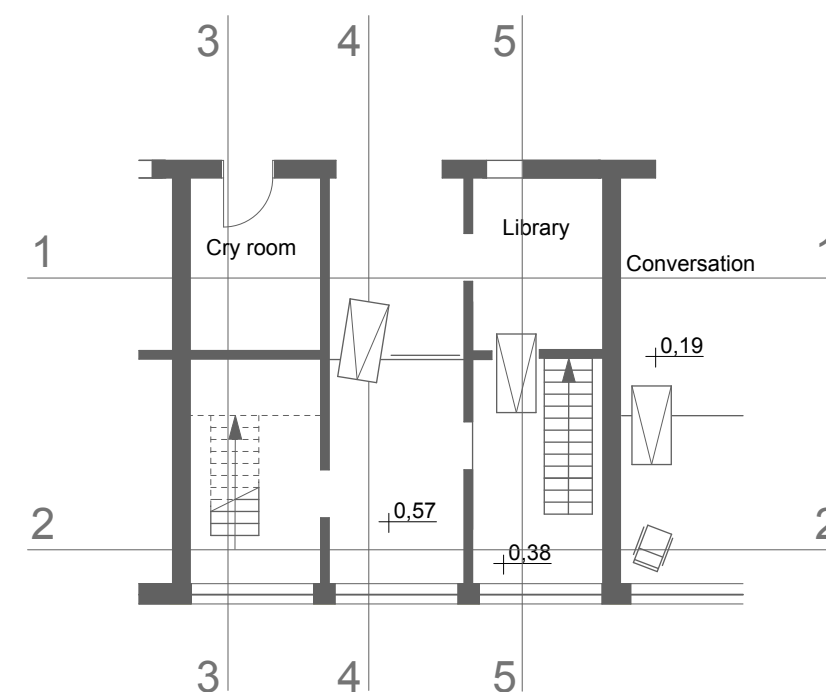
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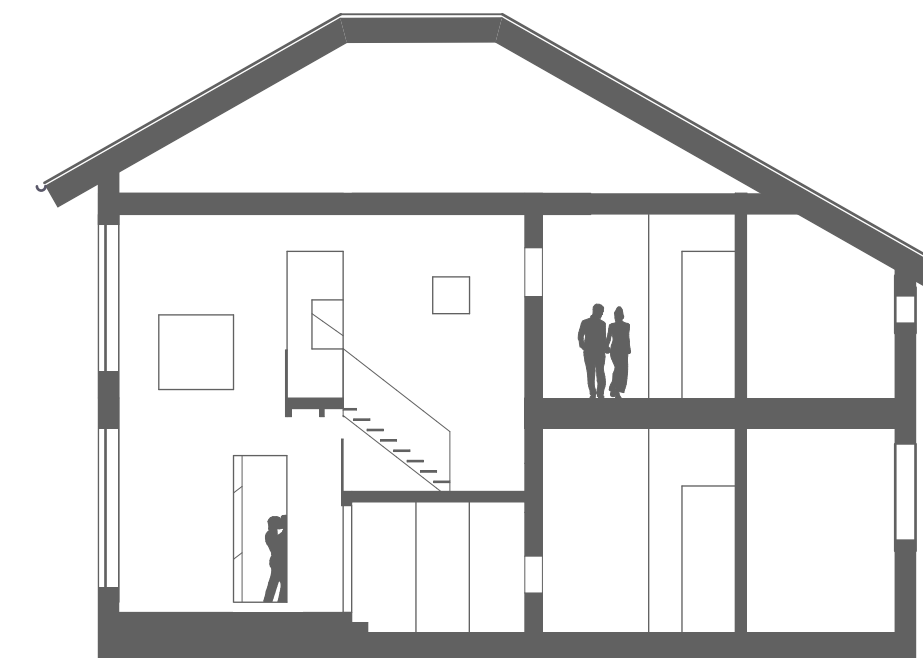
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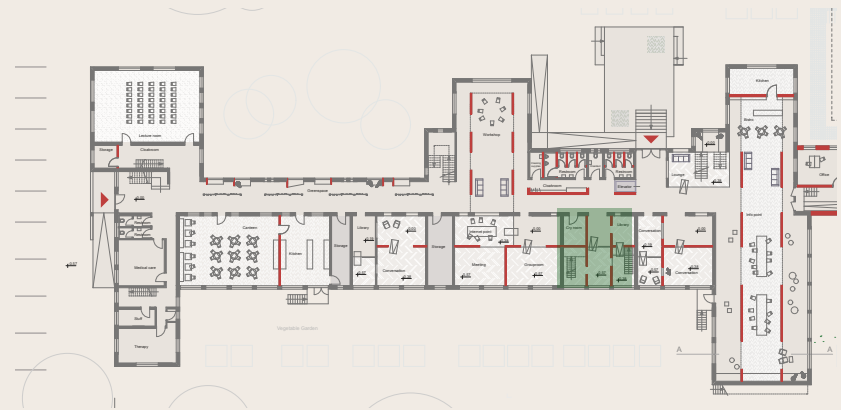
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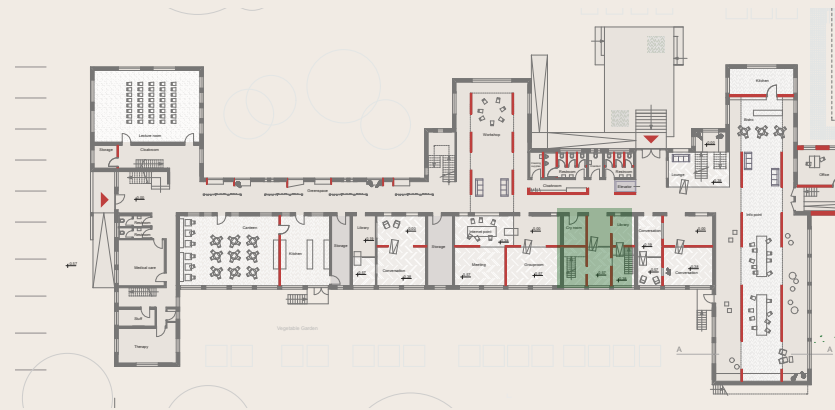


2



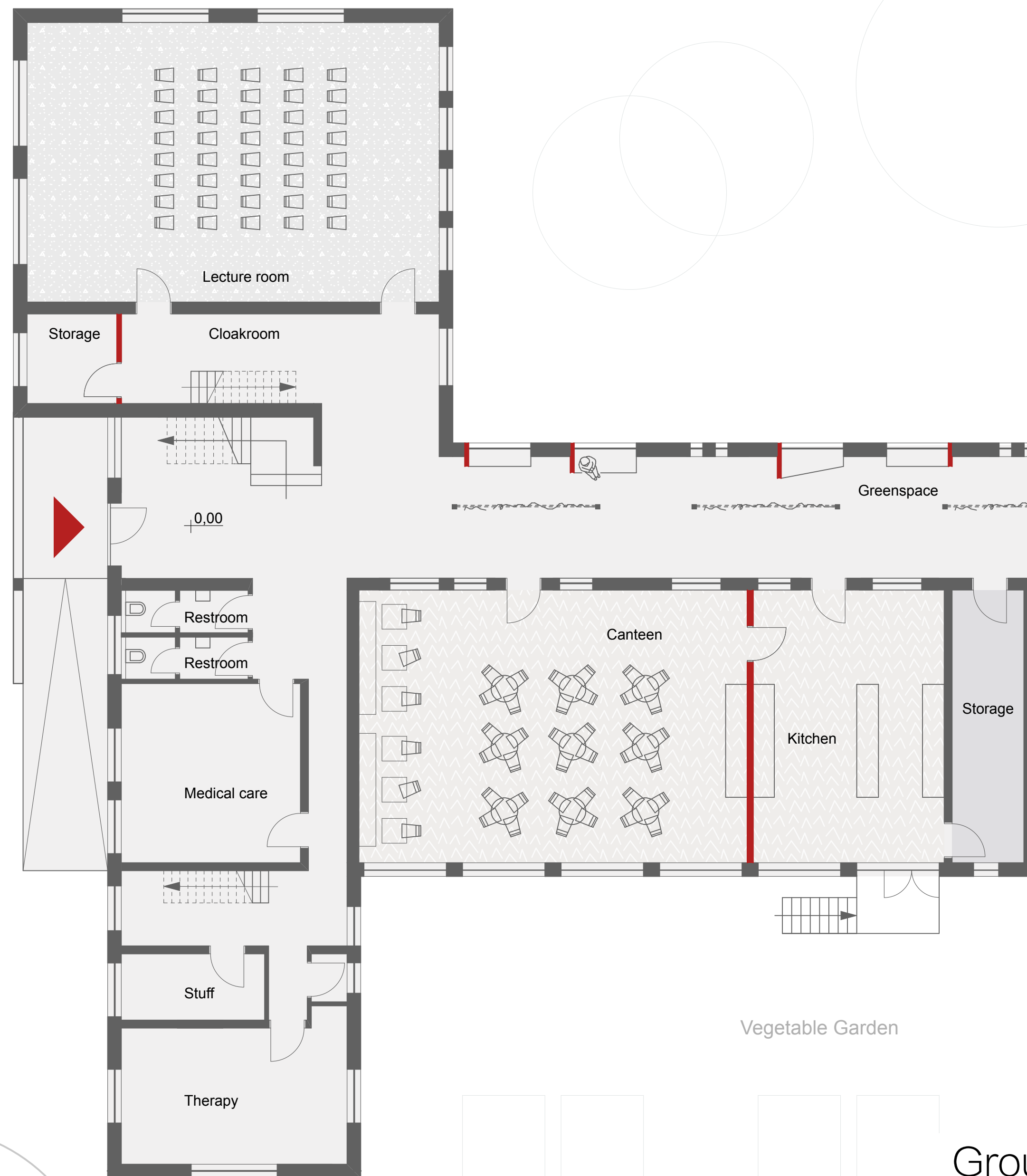
5



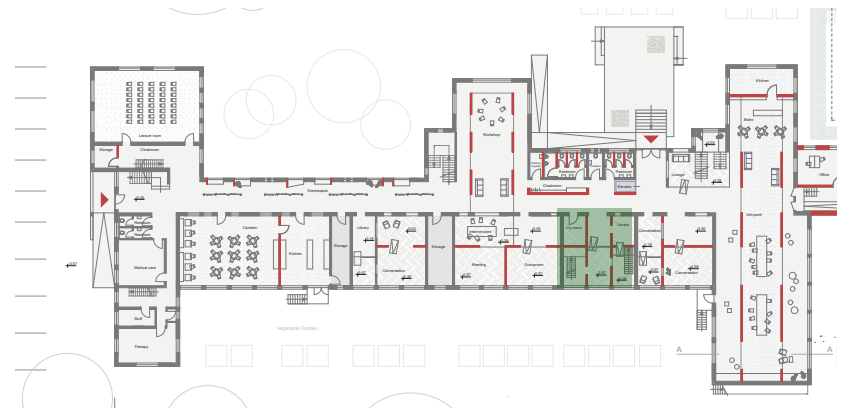




Ground floor



Ground floor





First floor



First floor

“Ich kenn das leider. Wenn alle Haare fehlen und man fast nichtmehr in die Öffentlichkeit kann,
weil jeder schaut und man einfach nach der Krankheit aussieht.”

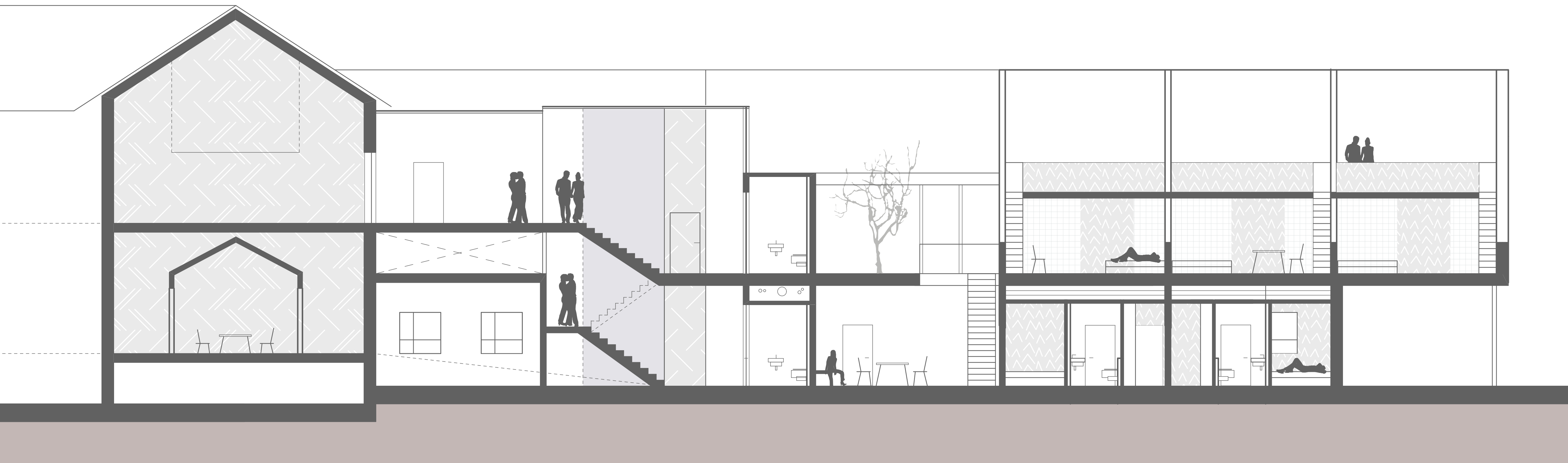
www.krebs-kompass.org

1.Social research 2.Program 3.The site 4.Design research 5.Design results 6.Building technology 7.Climate concept 8.Conclusion

- A. Existing building
- B. Building extension



Regain autonomy and privacy



Section between old and new









A place to rest







Transition planned garden & natural landscape



Vegetable garden



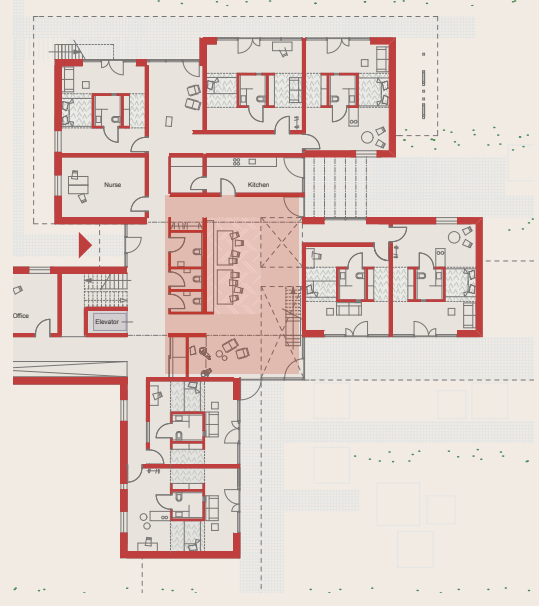








Ground floor



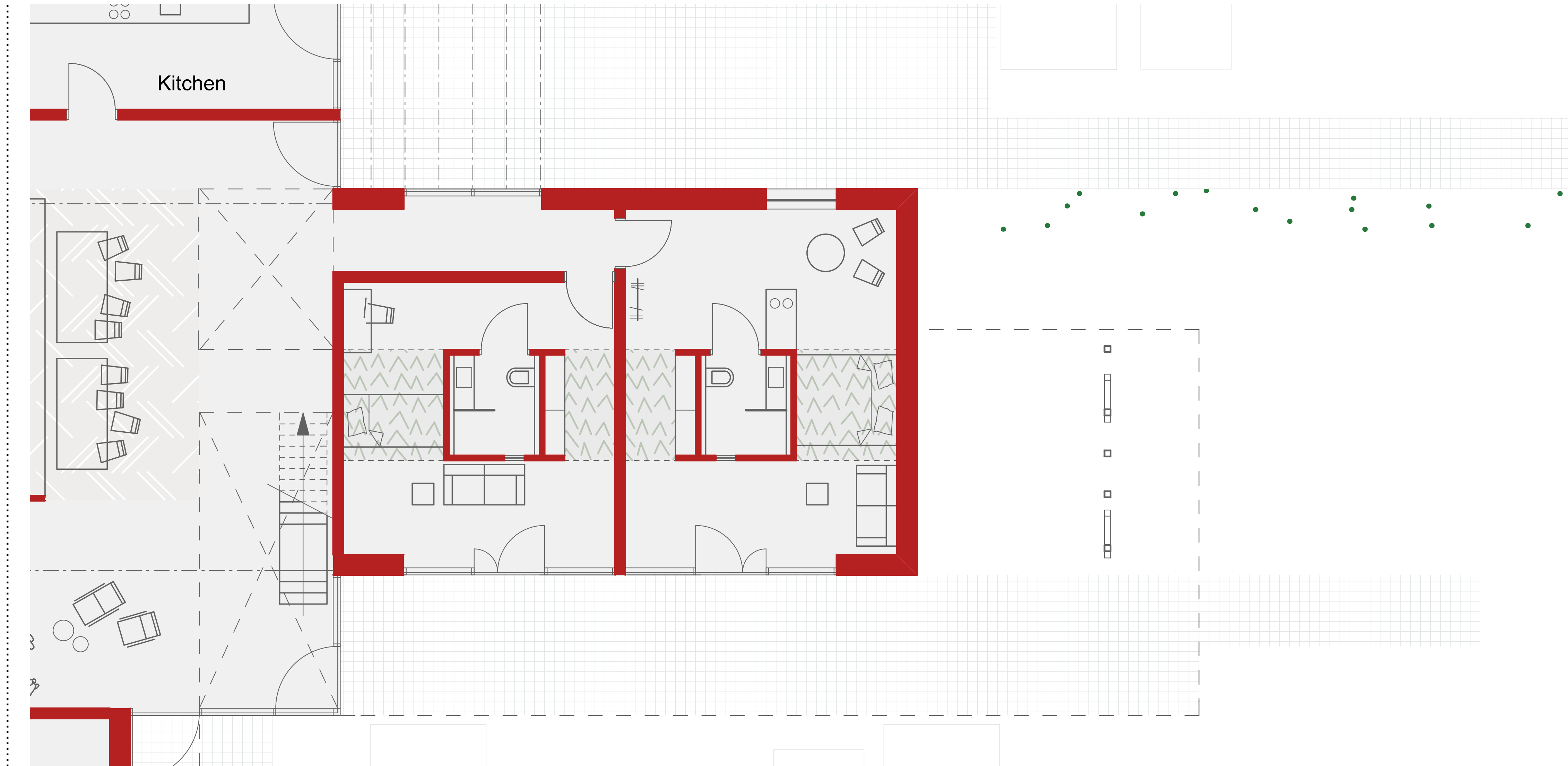
“Ganz helle Räume und viele Licht, das ist ganz, ganz wichtig.”

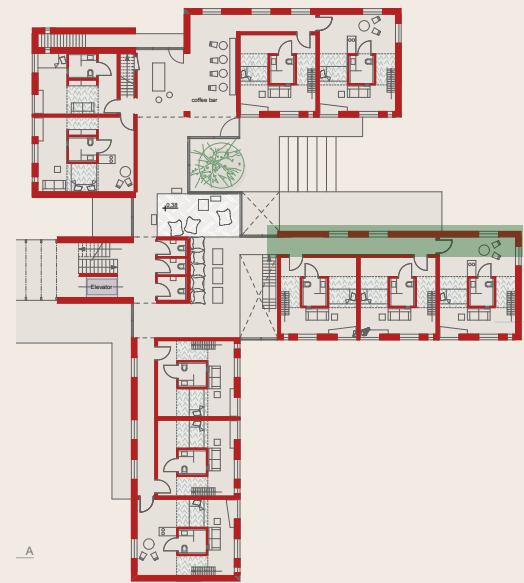
Katherina K, 25 years



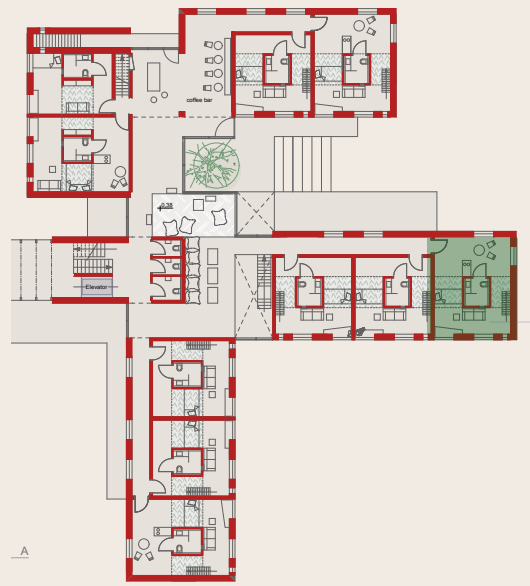












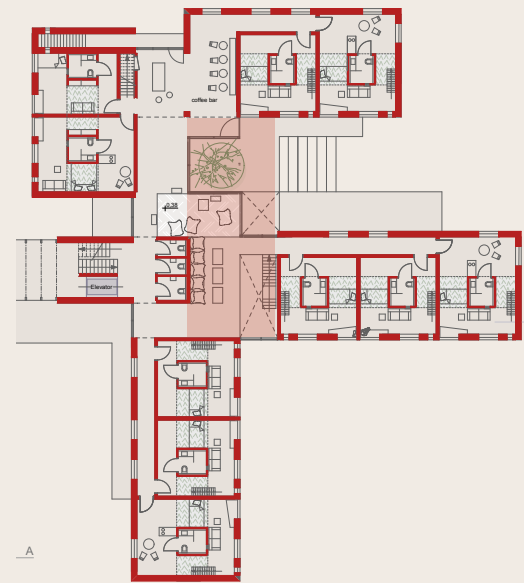


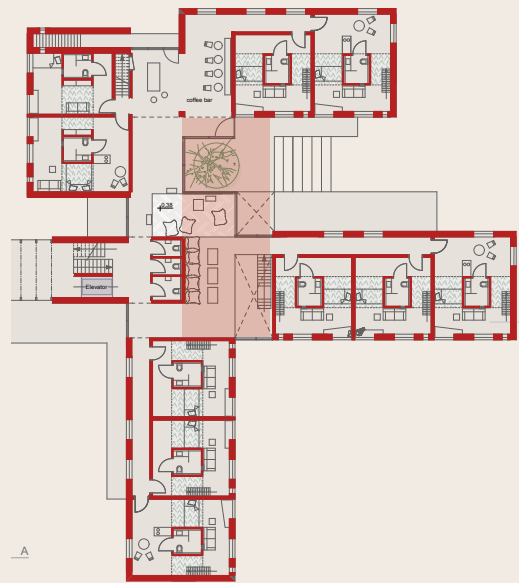


First floor



First floor





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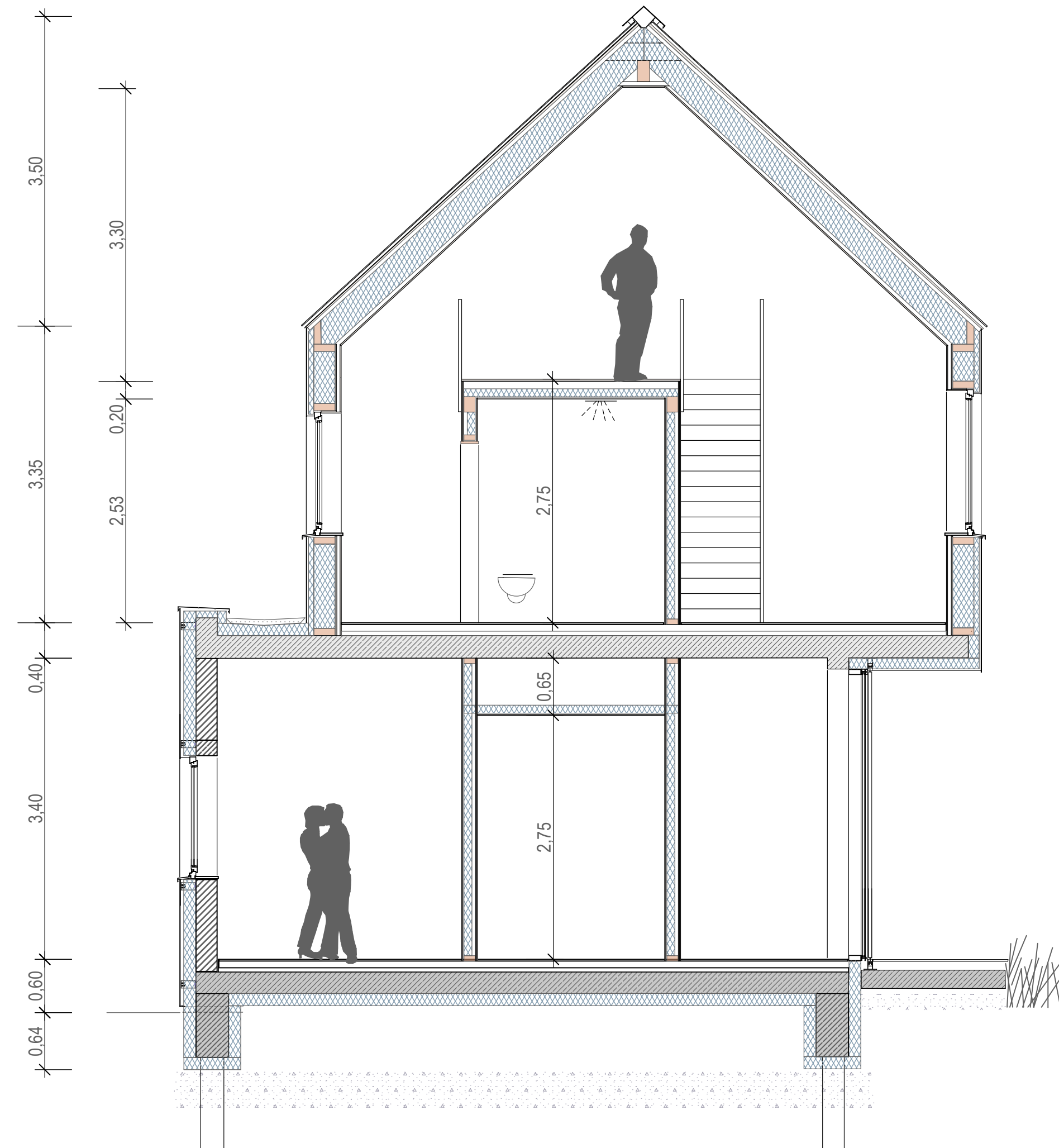
- A. Construction
- B. Materialisation

What are the characteristics of fairy tale house?

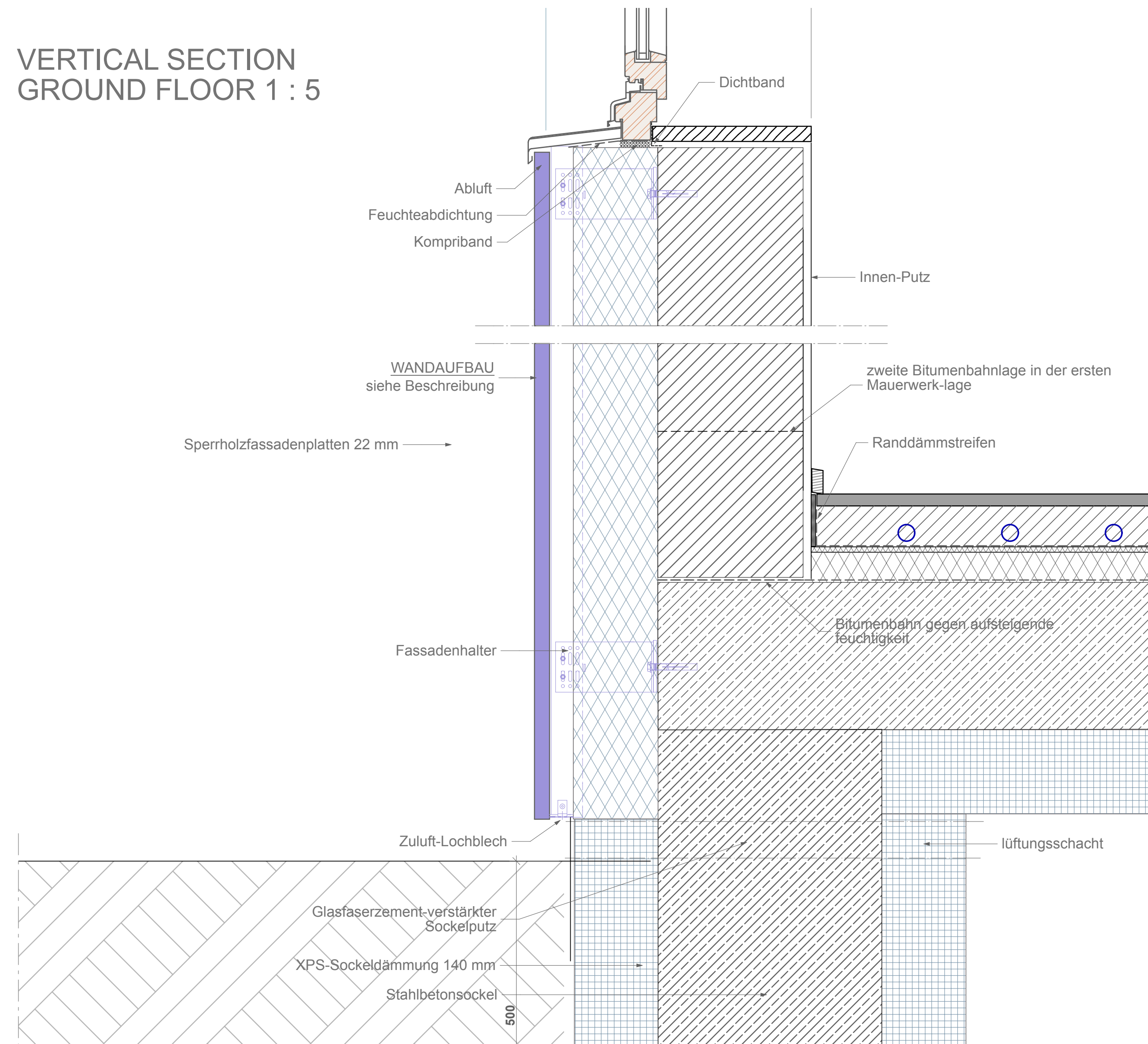




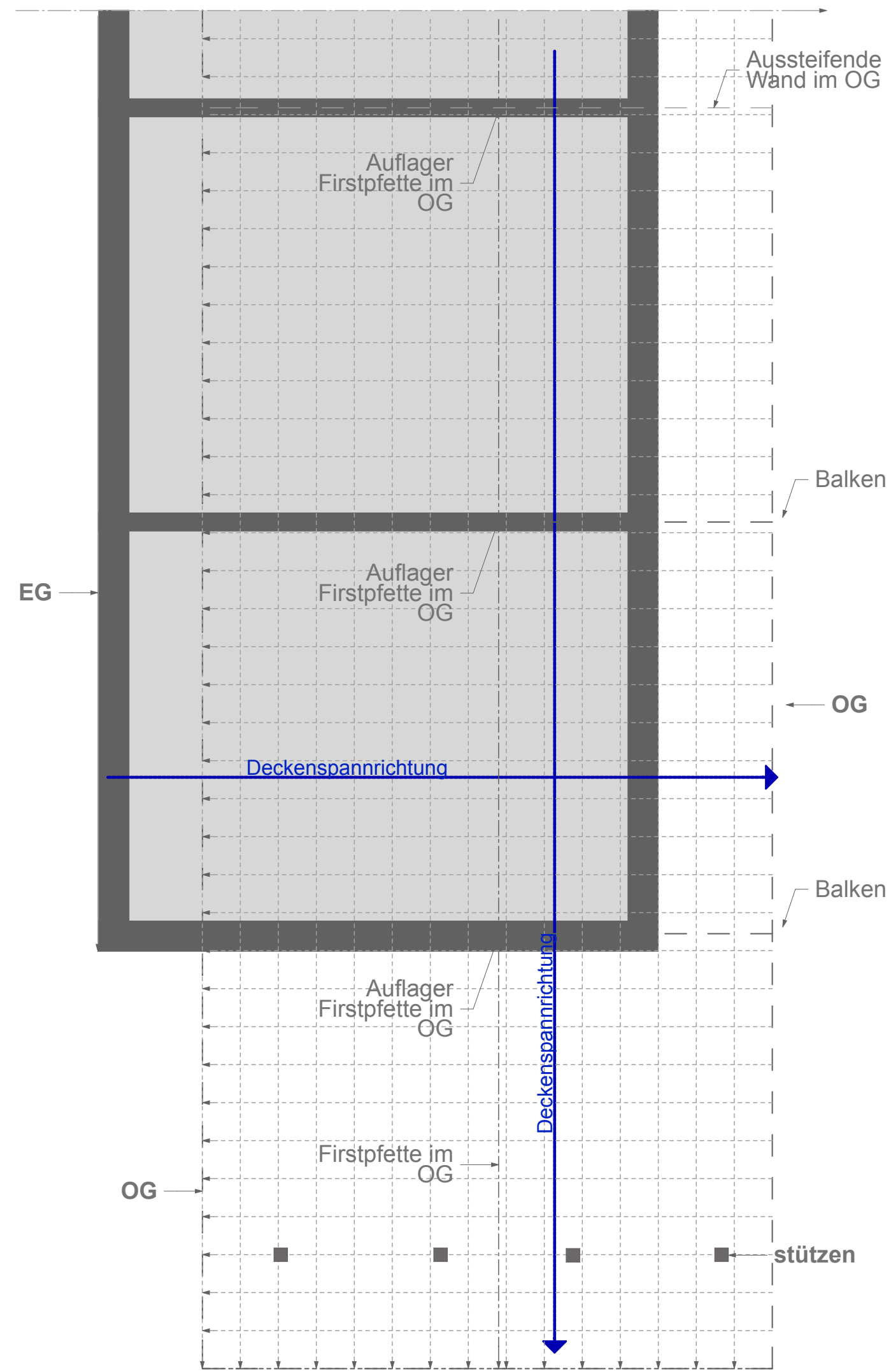
Human scale



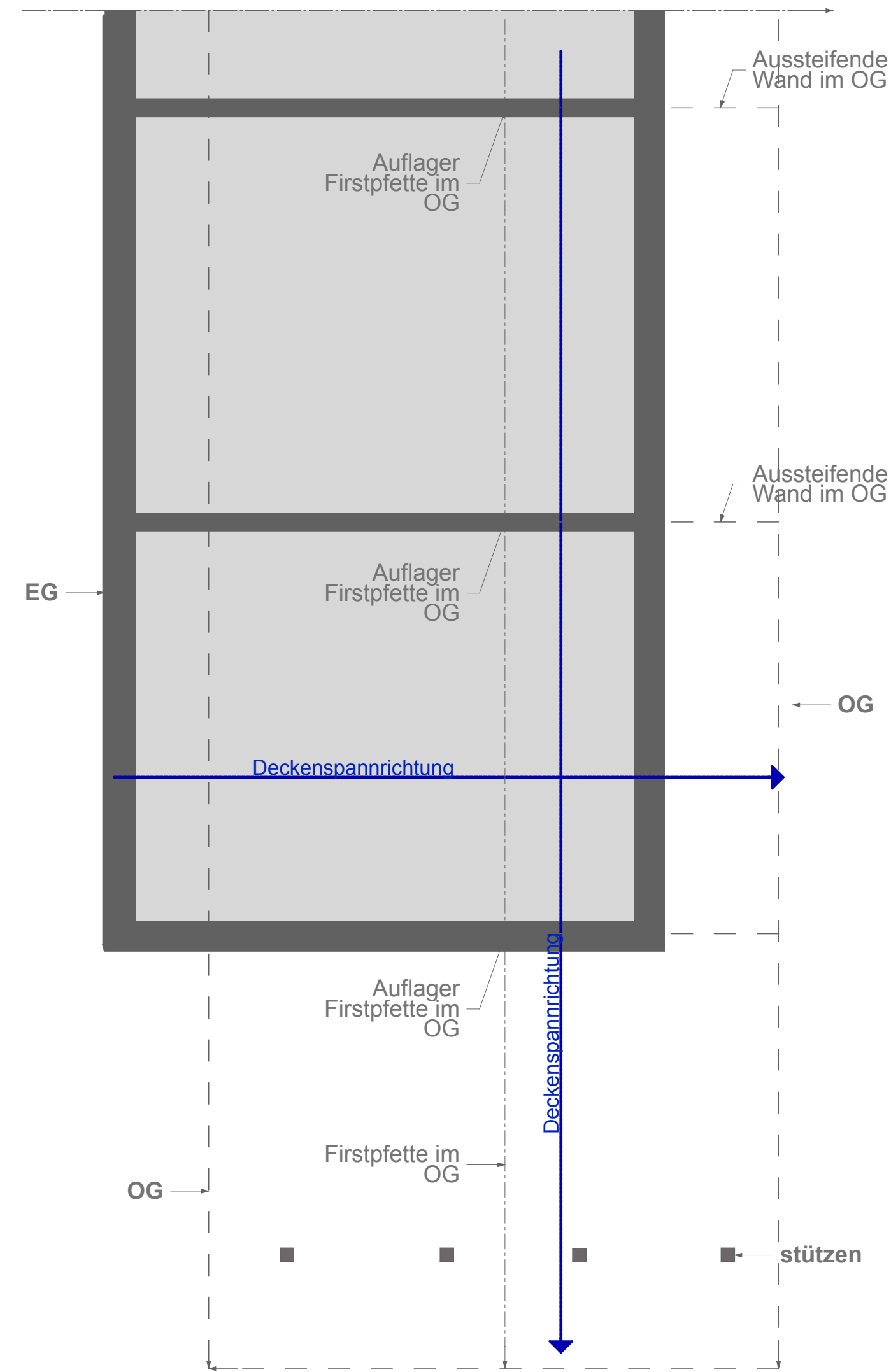
VERTICAL SECTION GROUND FLOOR 1 : 5

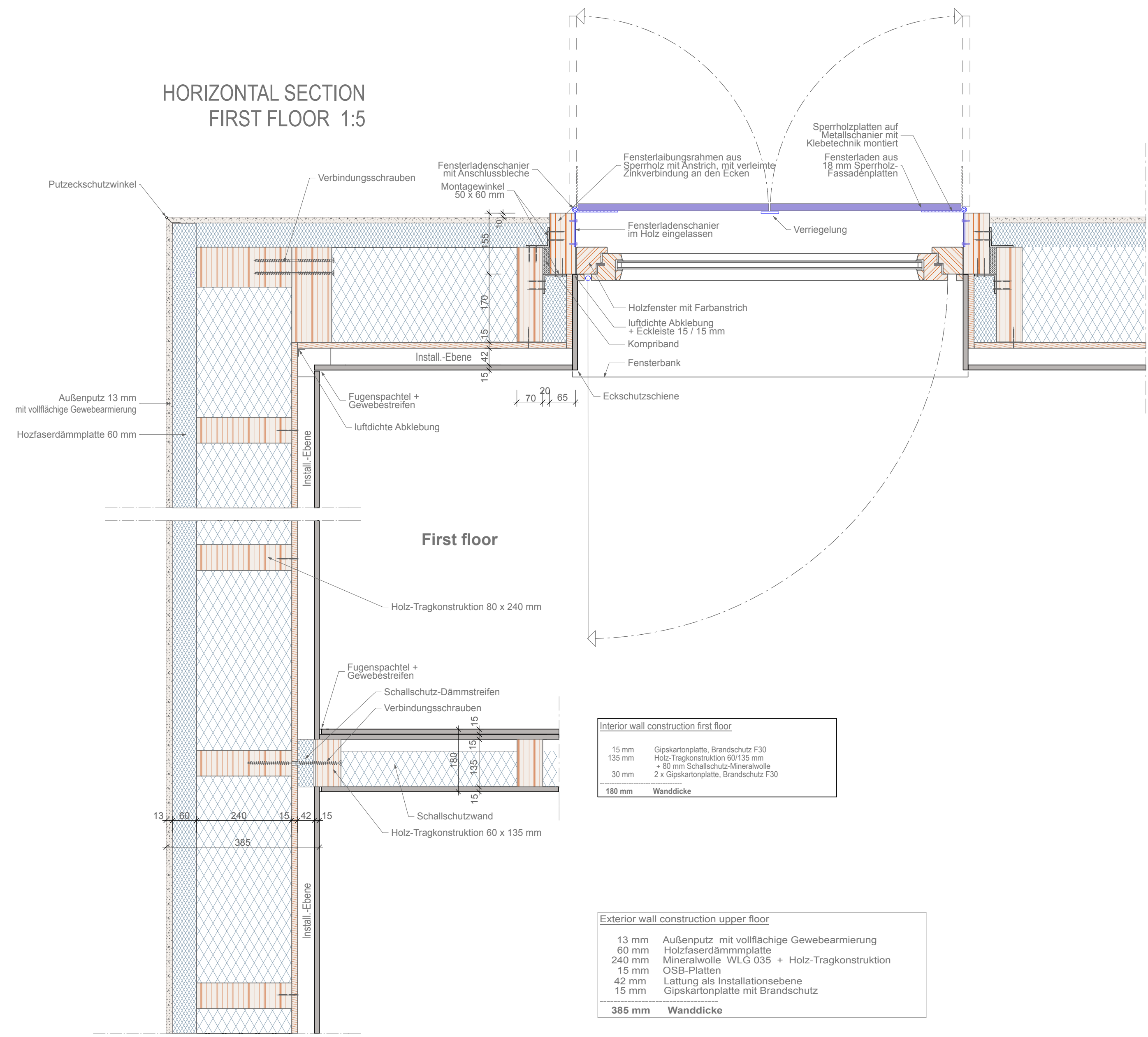


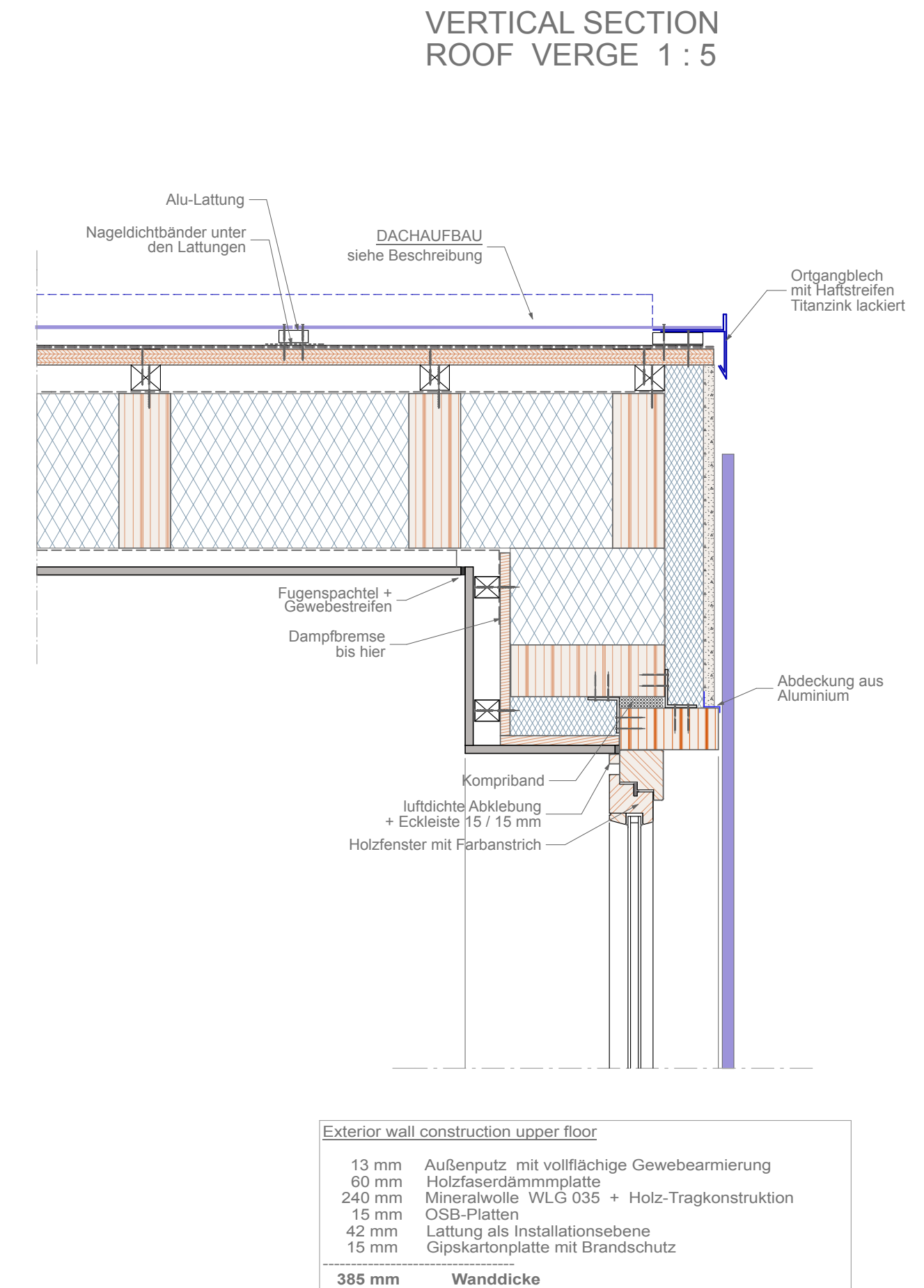
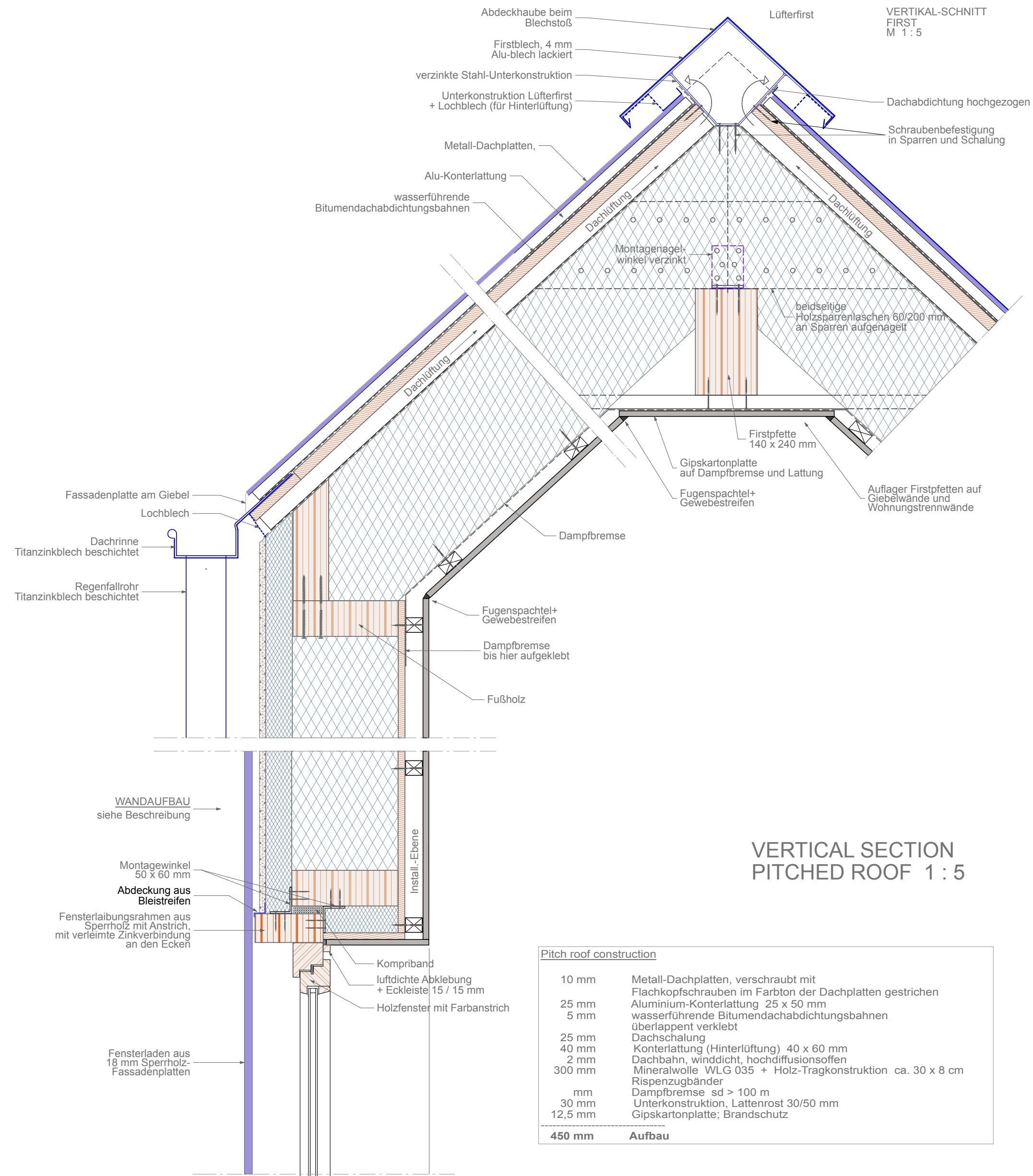
Structural analysis, wood



Structural analysis, concrete









North facade



North elevation



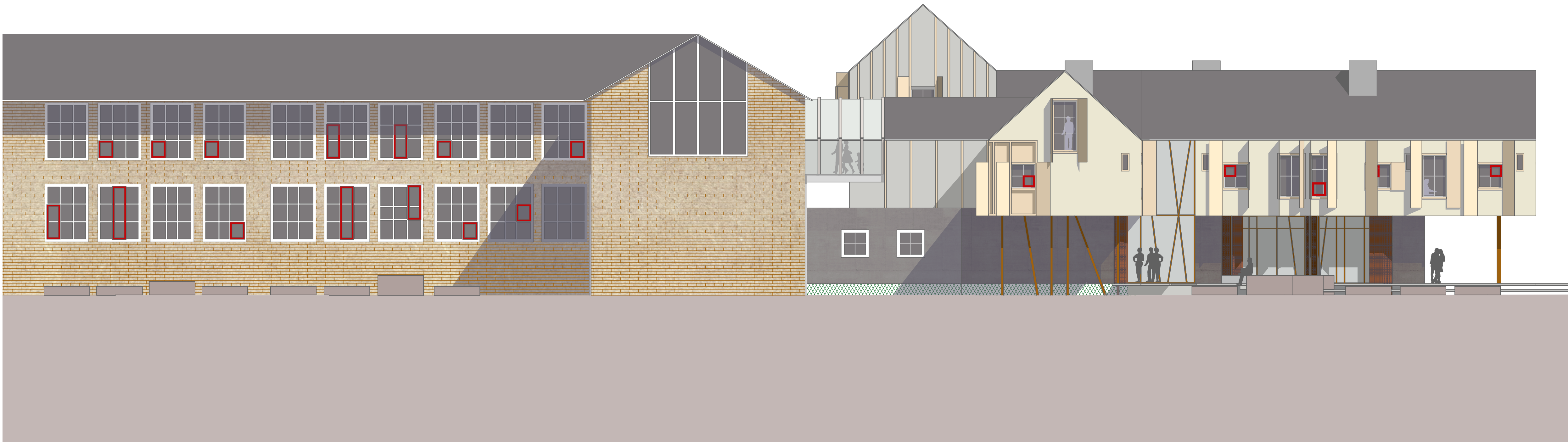
Wooden facade

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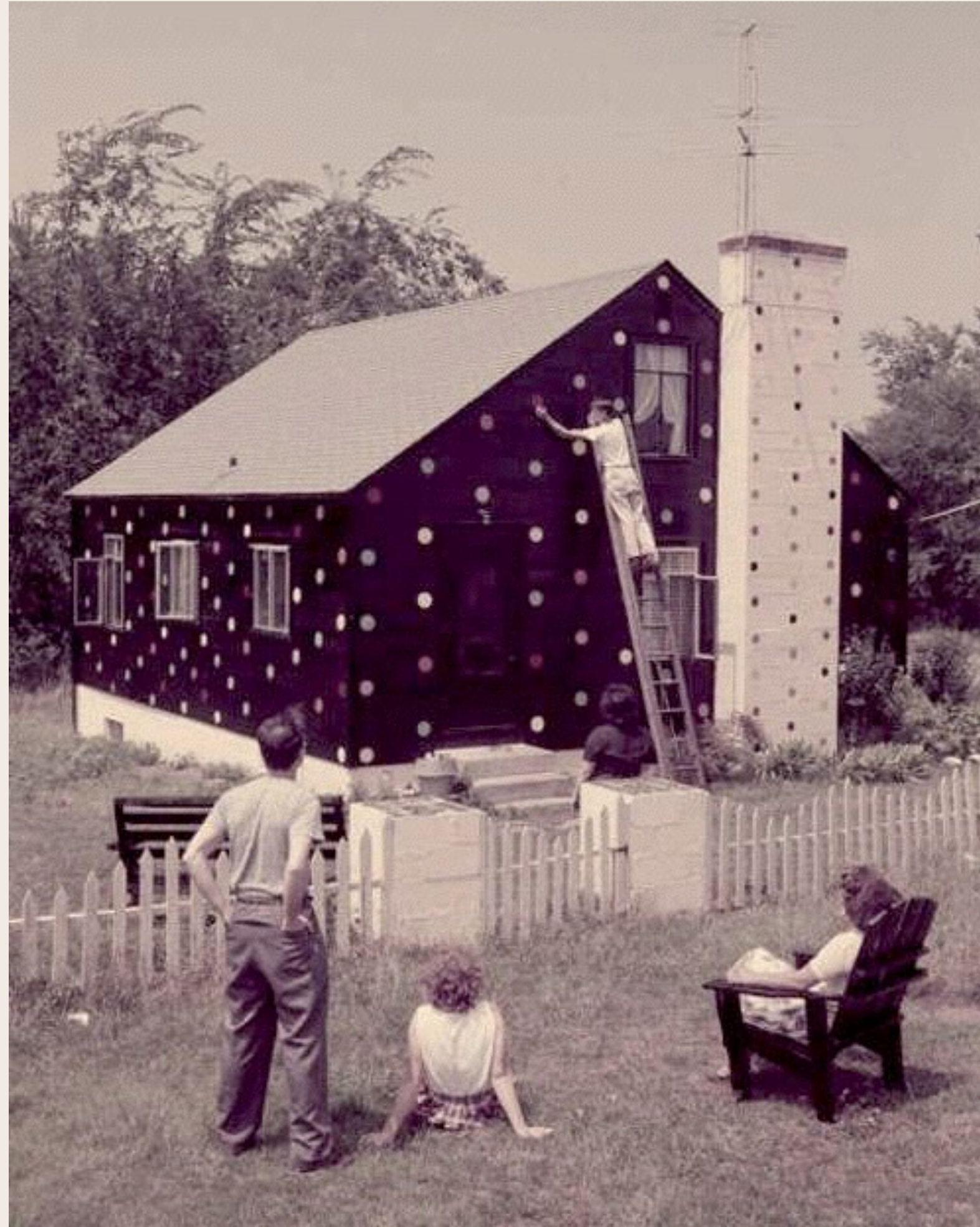
- A. Construction
- B. Materialisation



South elevation

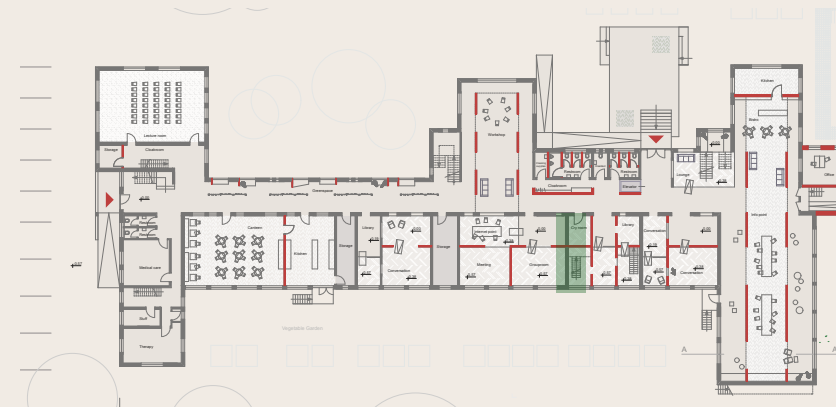


South elevation



Materiality & variety of details





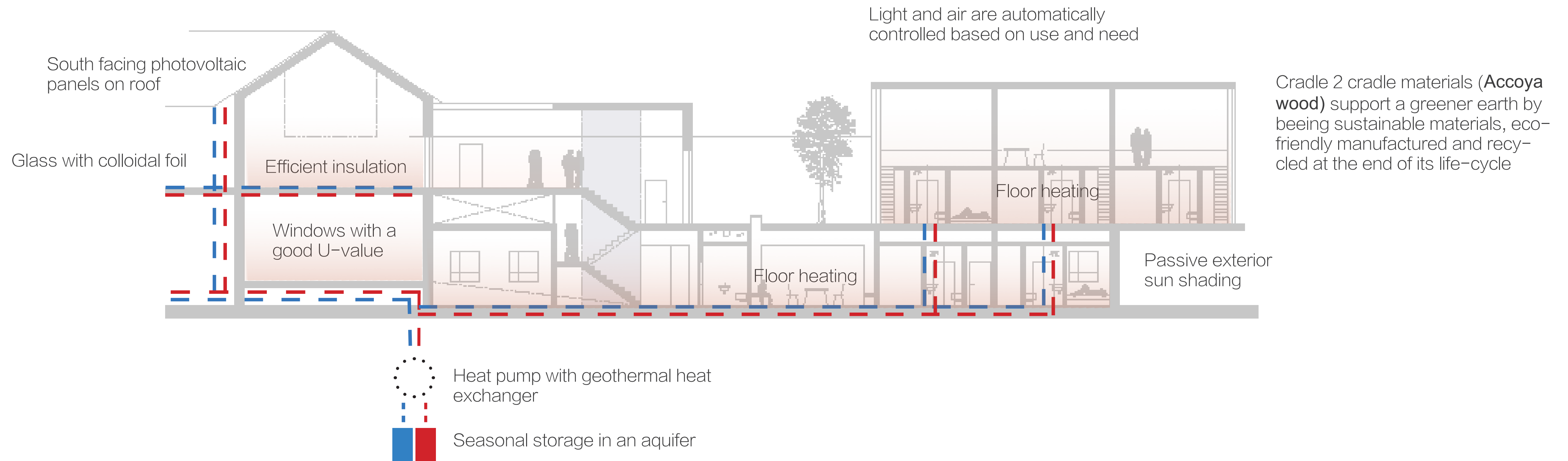


Materiality & variety of details

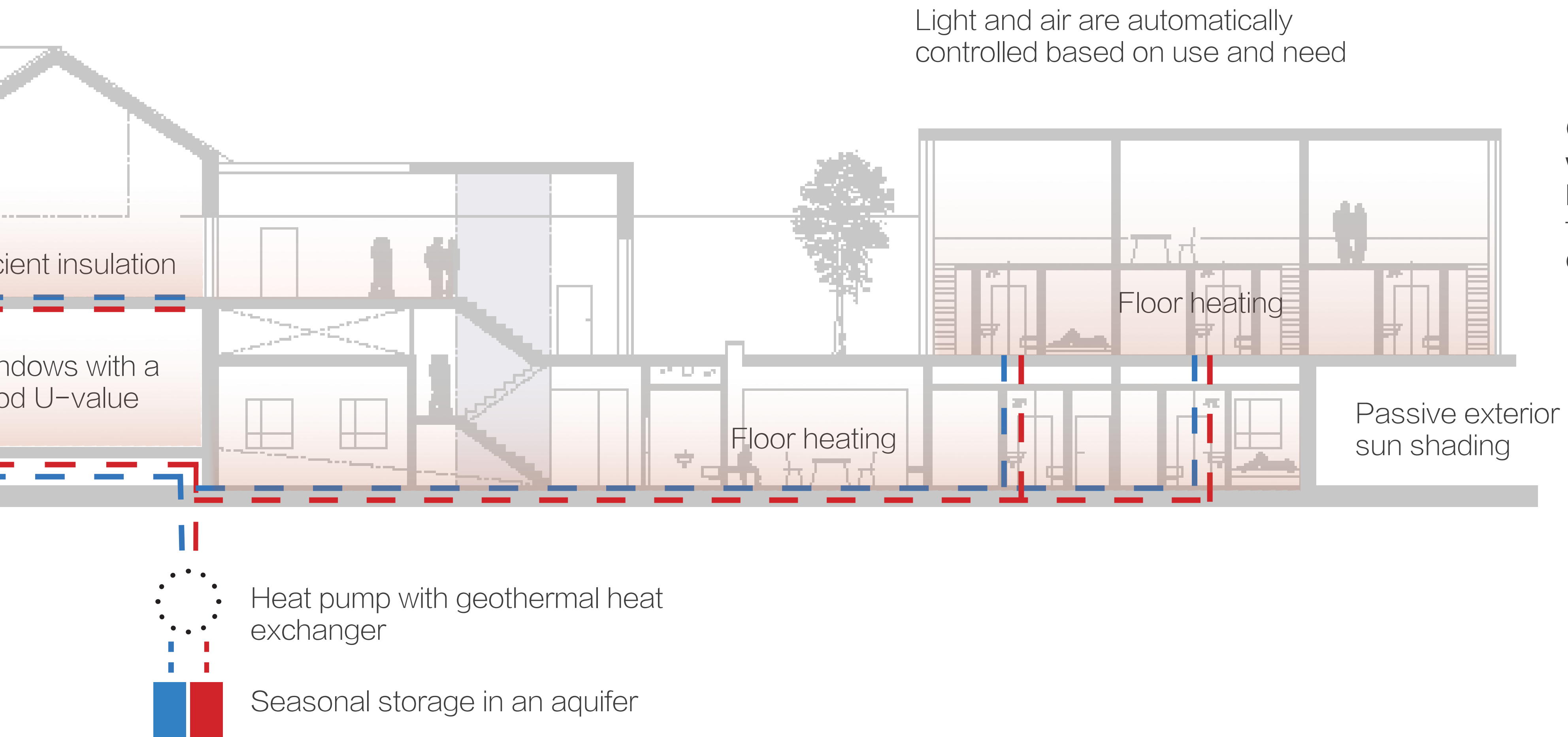


Materiality

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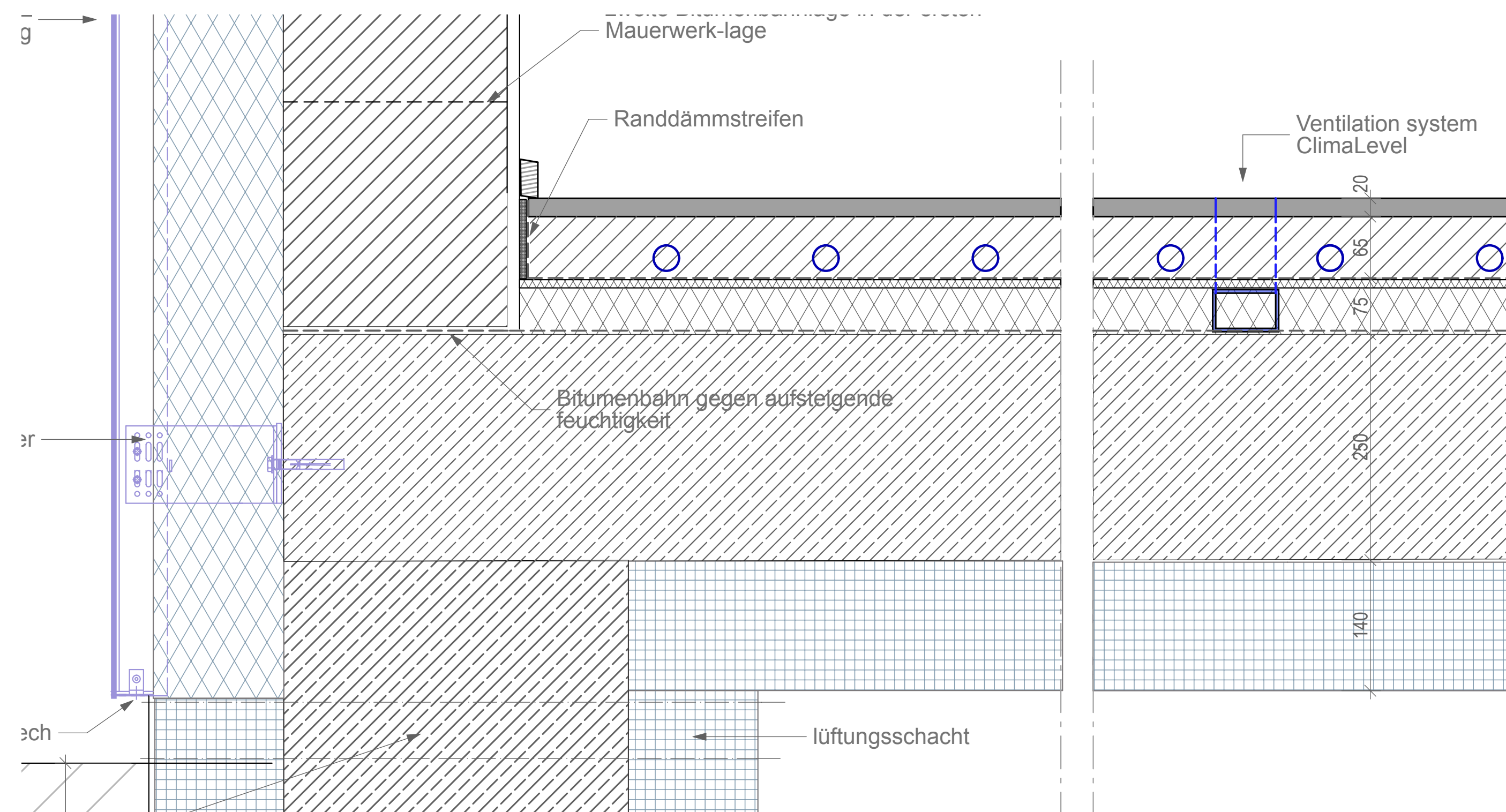


Climate scheme

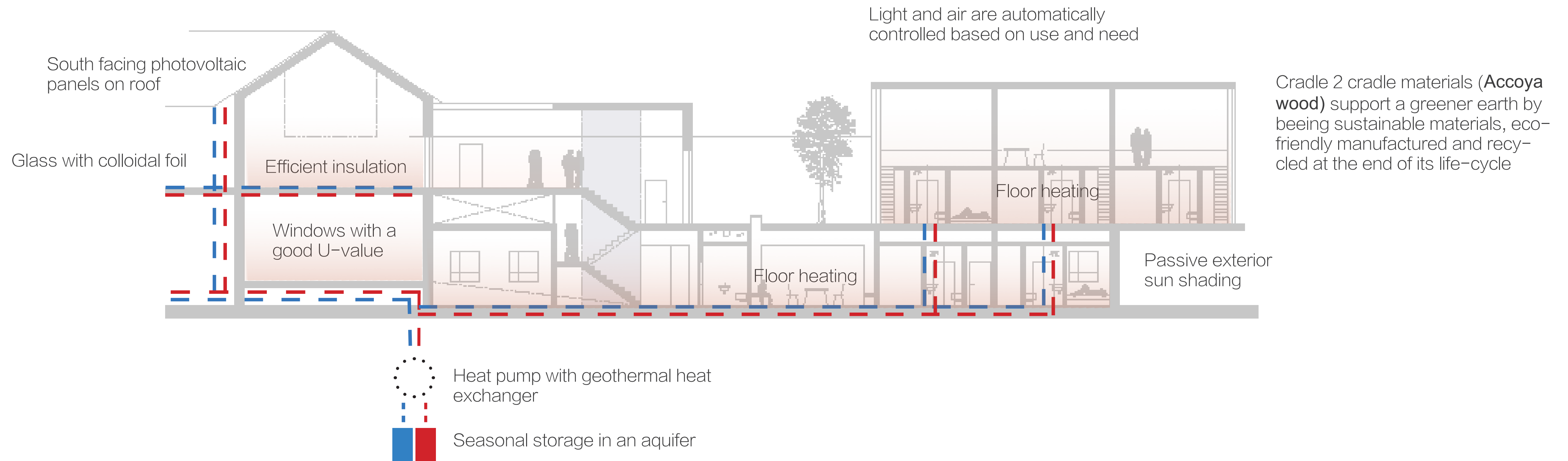


Cradle 2 cradle materials (**Accoya wood**) support a greener earth by being sustainable materials, eco-friendly manufactured and recycled at the end of its life-cycle

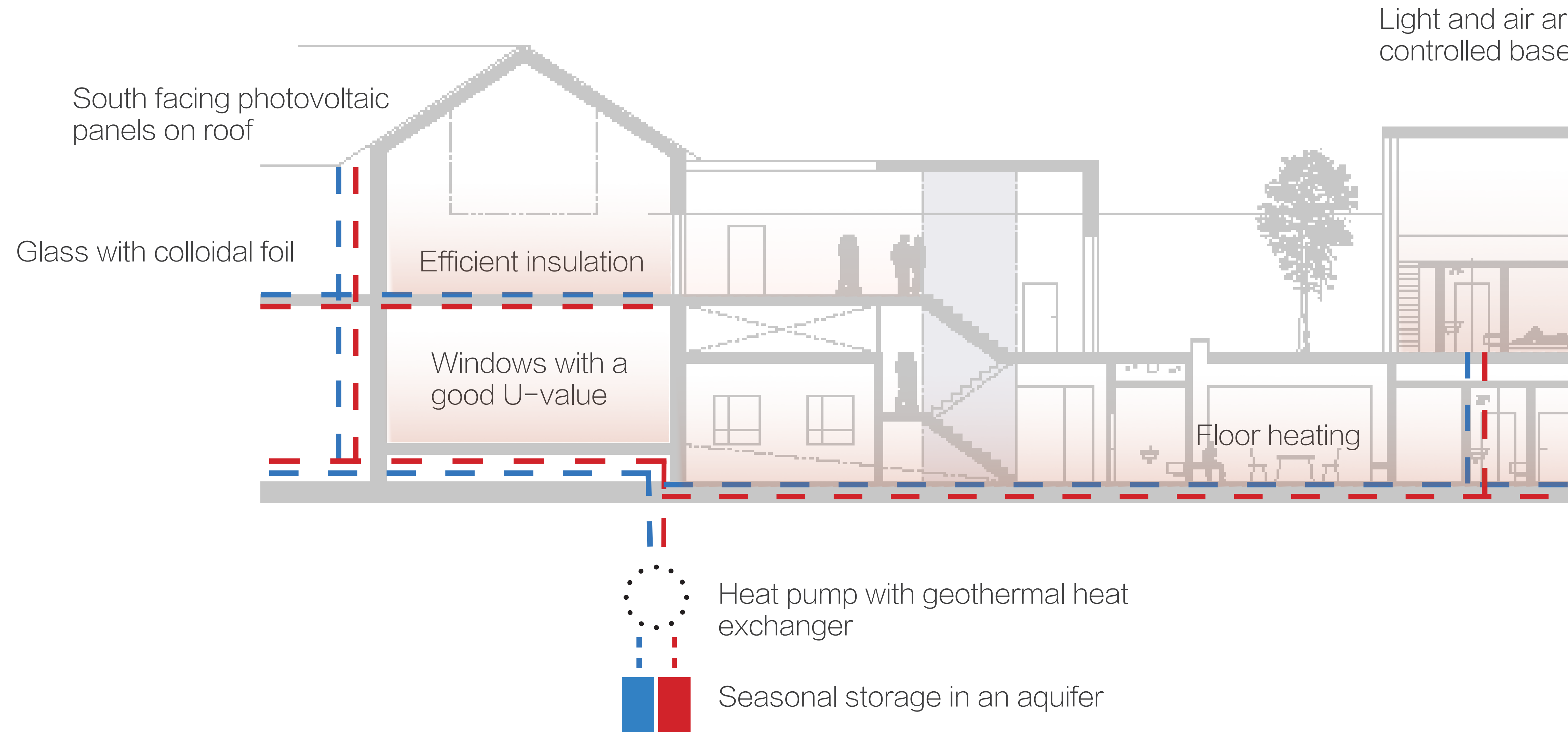
Climate scheme

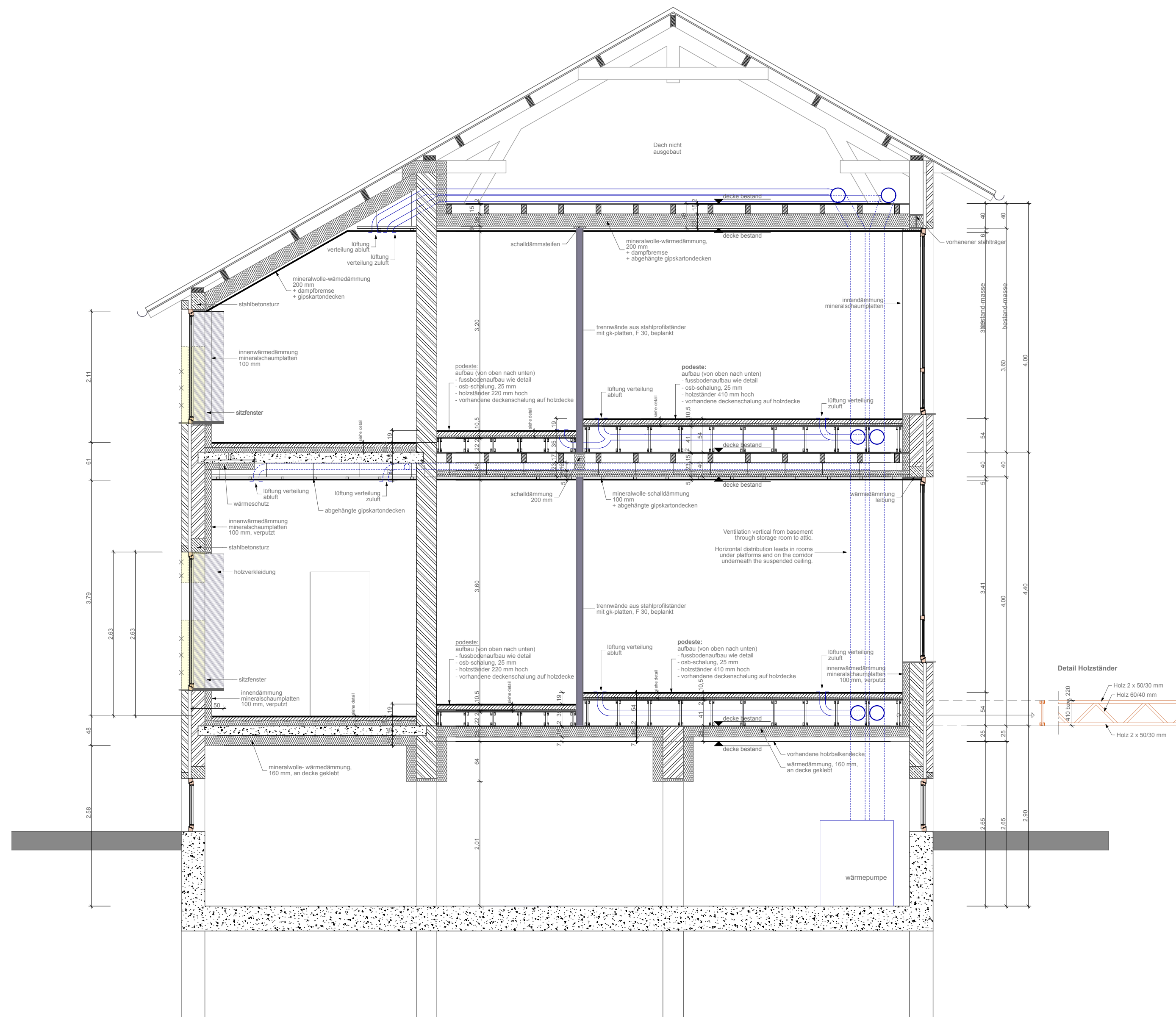


Ventilation building extension

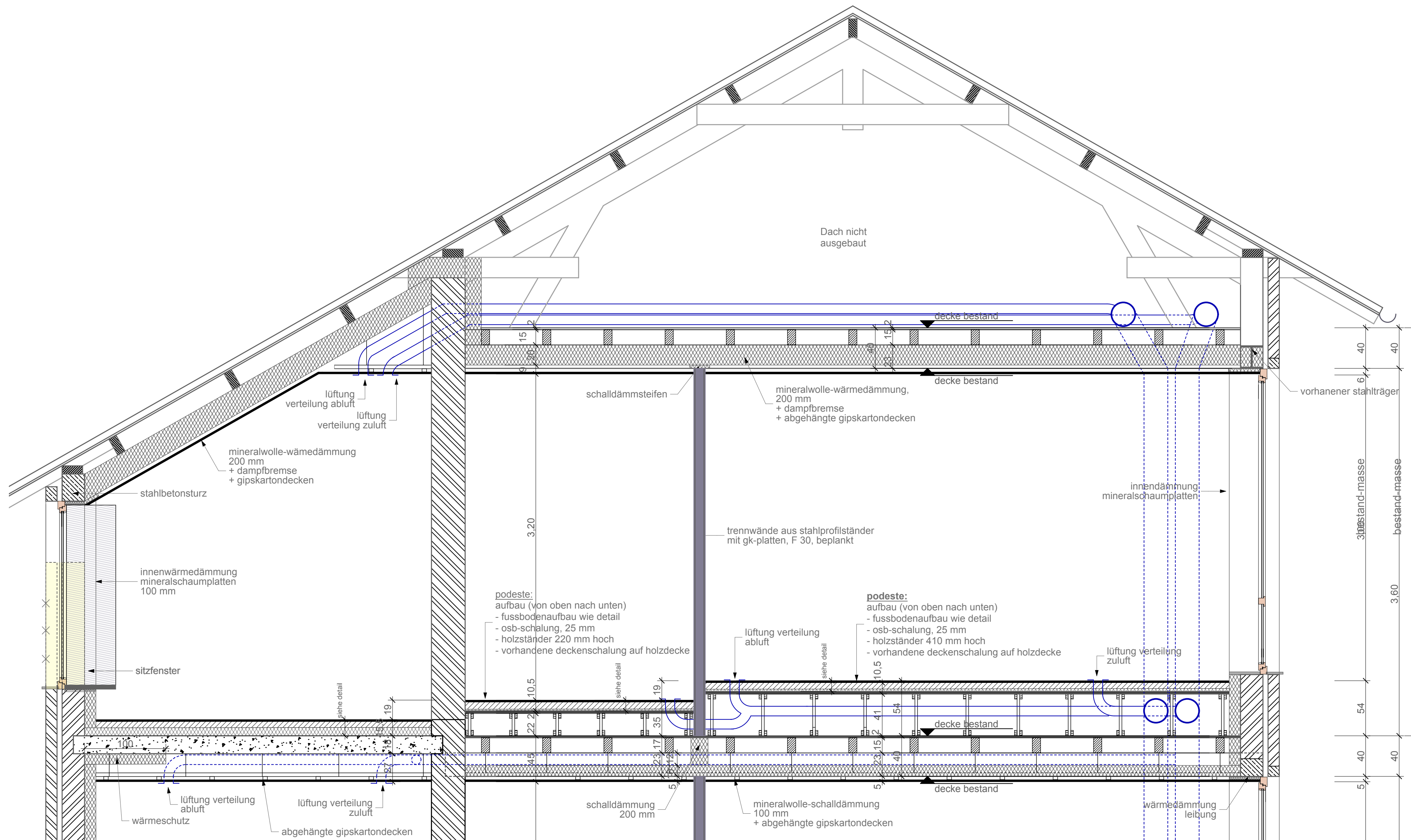


Climate scheme



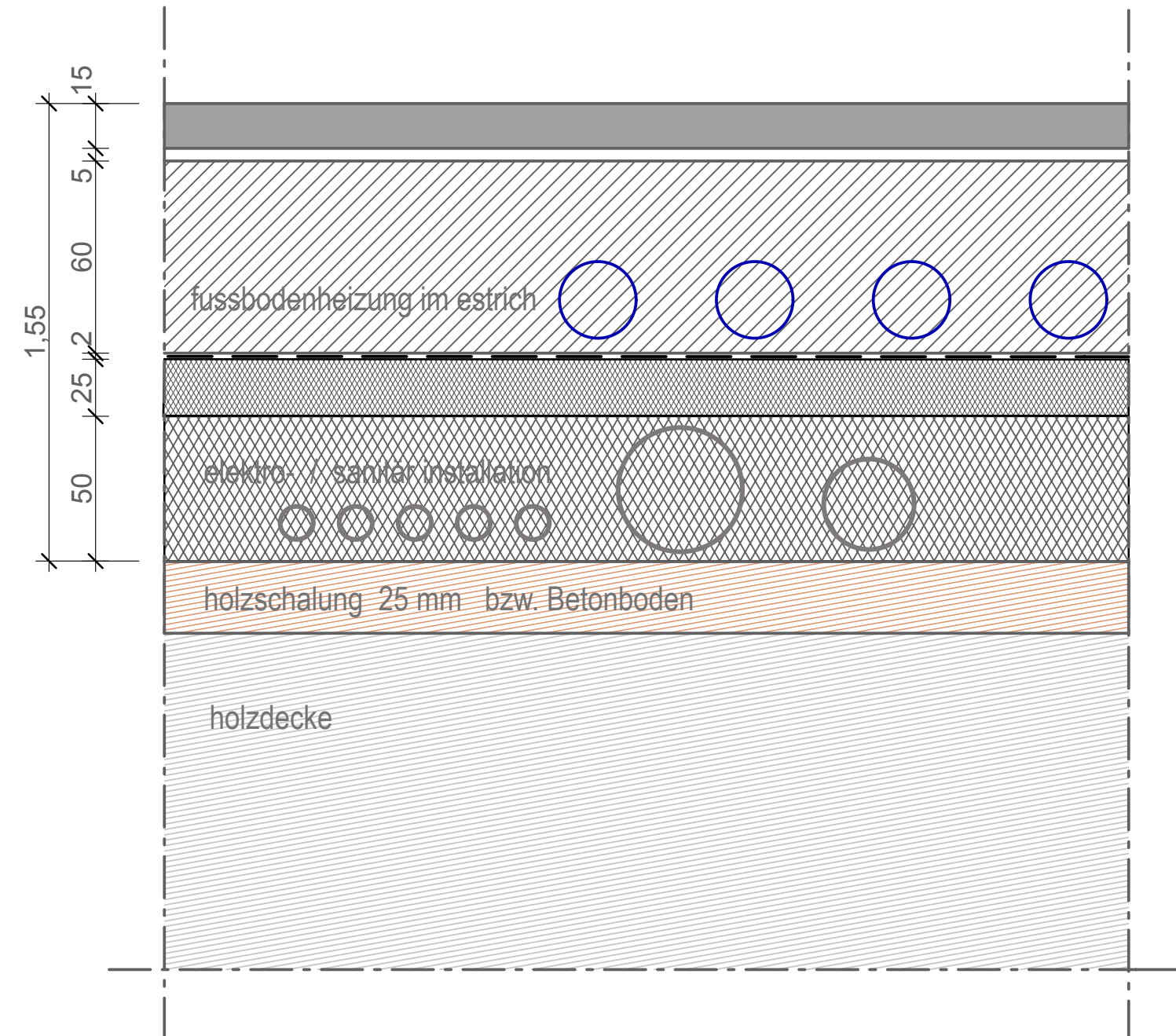


Ventilation existing building

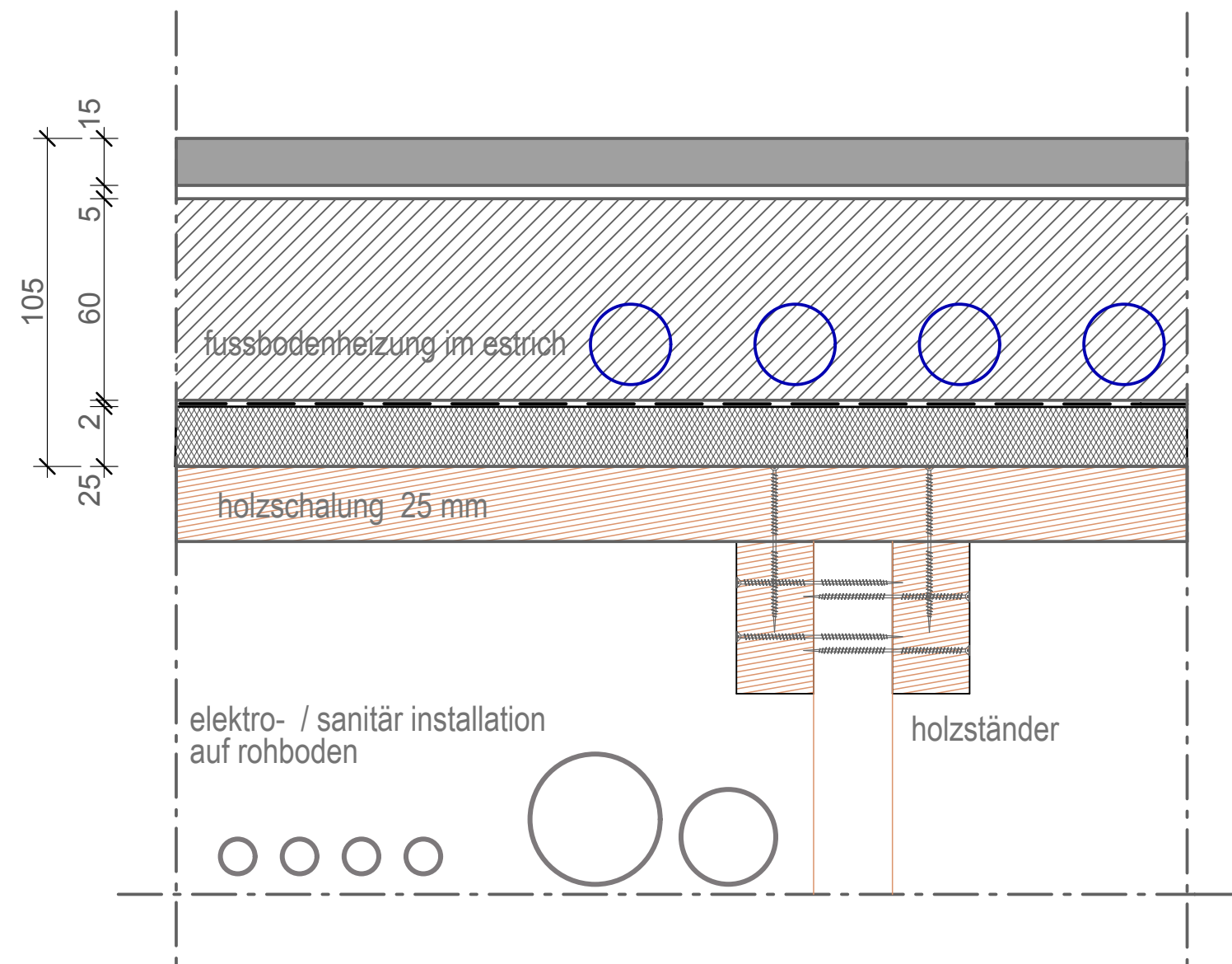


Ventilation existing building

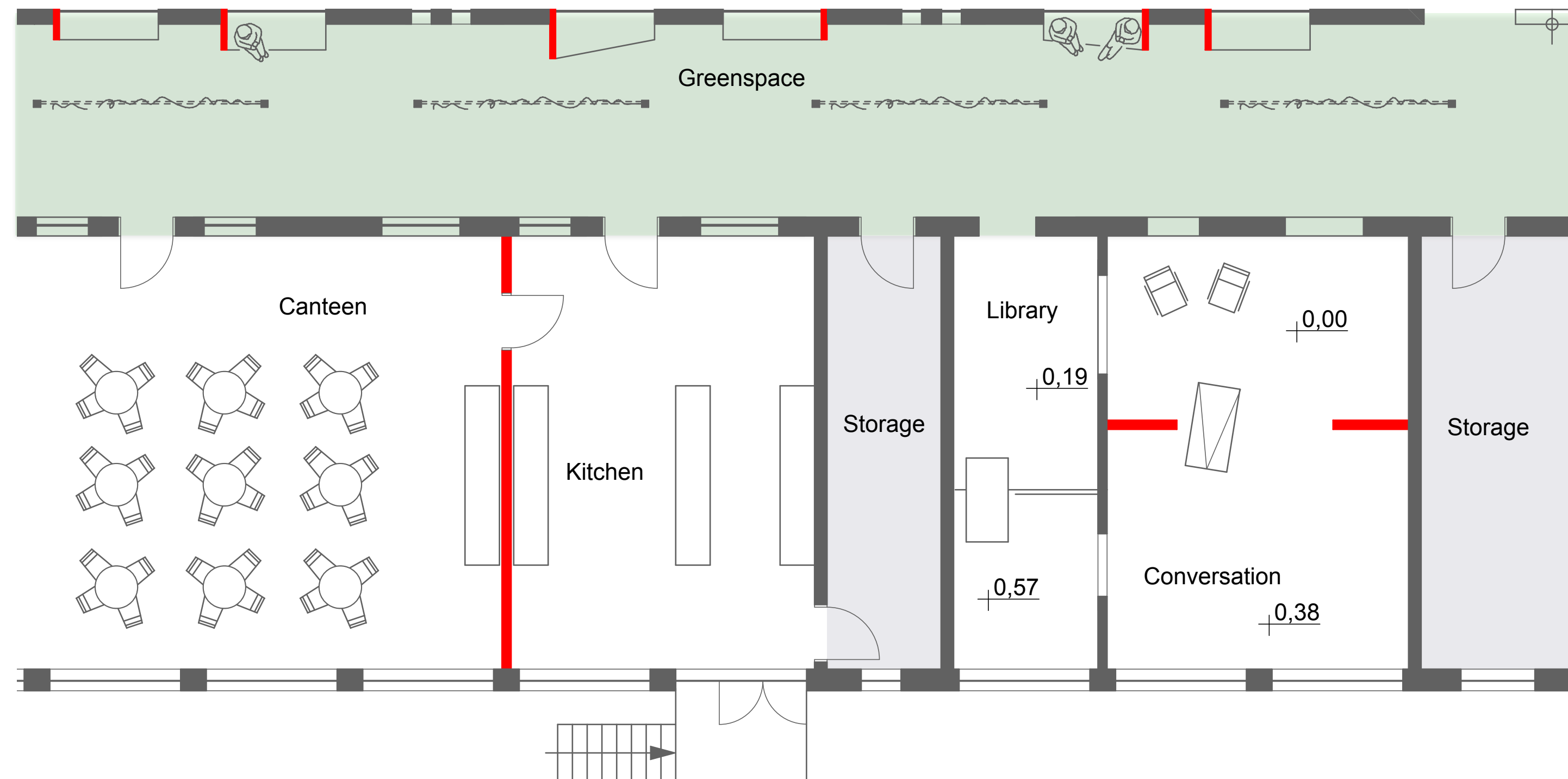
Floor construction <u>Corridor</u>		
8 - 15 mm	Bodenbelag: Parkett bzw. Fliesen geklebt	
5 mm	Kleber + Spachtel- und Ausgleichsmasse	
55 - 60 mm	Anhydrit Fließheiestrich + Fußbodenheizung	
25 mm	rolljet Dämmelemente 25-2 mm	
50 mm	Ausgleichsdämmung WLG 040, PS 30 SE (als Install.-Ebene Sanitär / Elektro).	
~ 155 mm	Gesamtdicke	WLG = Wärmeleitgruppe



Bodenaufbau <u>Platforms</u>		
8 - 15 mm	Bodenbelag: Parkett bzw. Fliesen geklebt	
5 mm	Kleber + Spachtel- und Ausgleichsmasse	
55 - 60 mm	Anhydrit Fließheiestrich + Fußbodenheizung	
25 mm	rolljet Dämmelemente 25-2 mm	
~ 105 mm	Gesamtdicke	



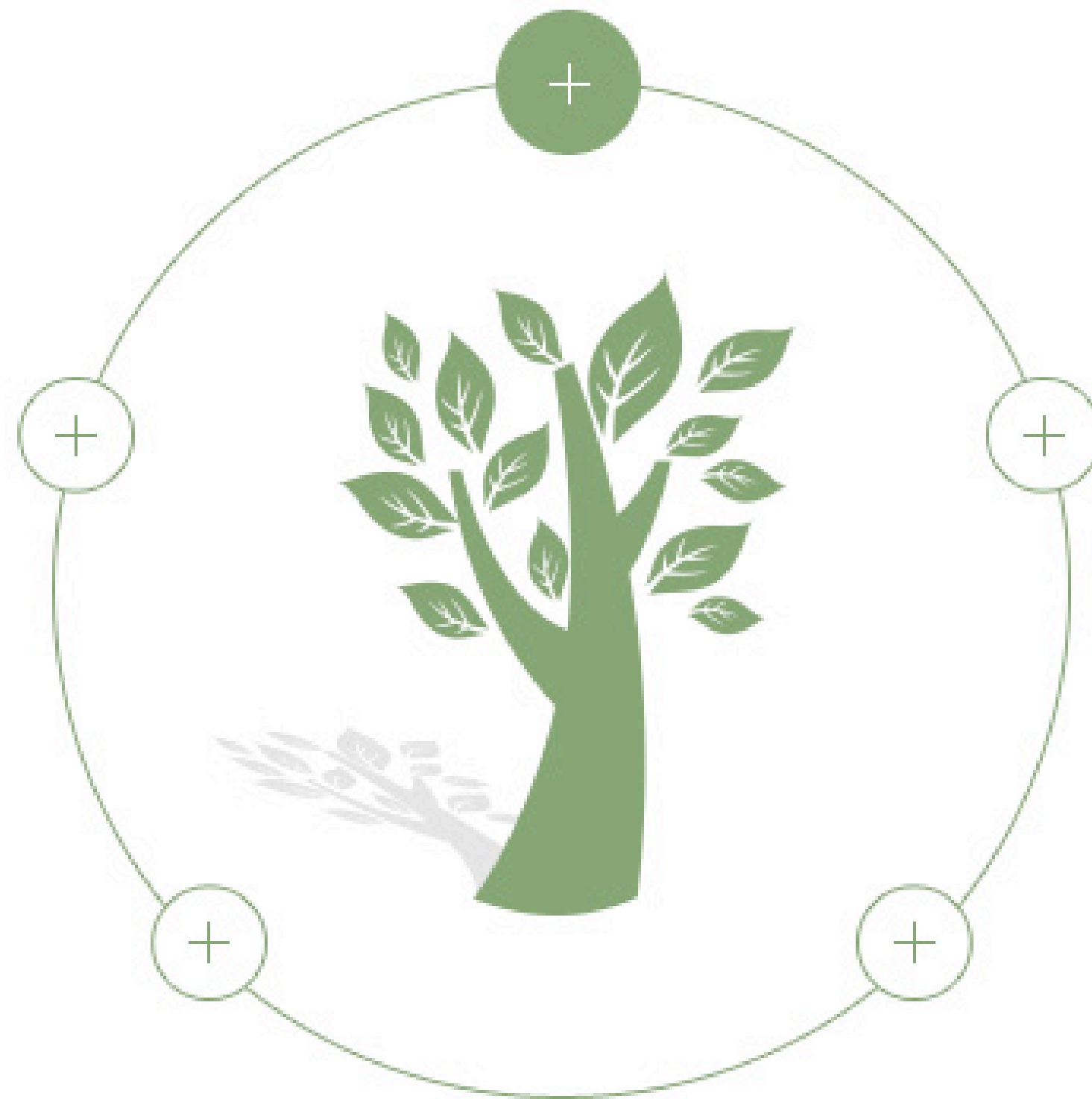
Floor heating existing building



Green corridor



Integrated solar panels



Commitment

1.Social research 2.Program 3.The site 4.Design research 5.Design results 6.Building technology 7.Climate concept 8.Conclusion

Following the path of Duinstrook ..

.. in search of interaction through architecture.





