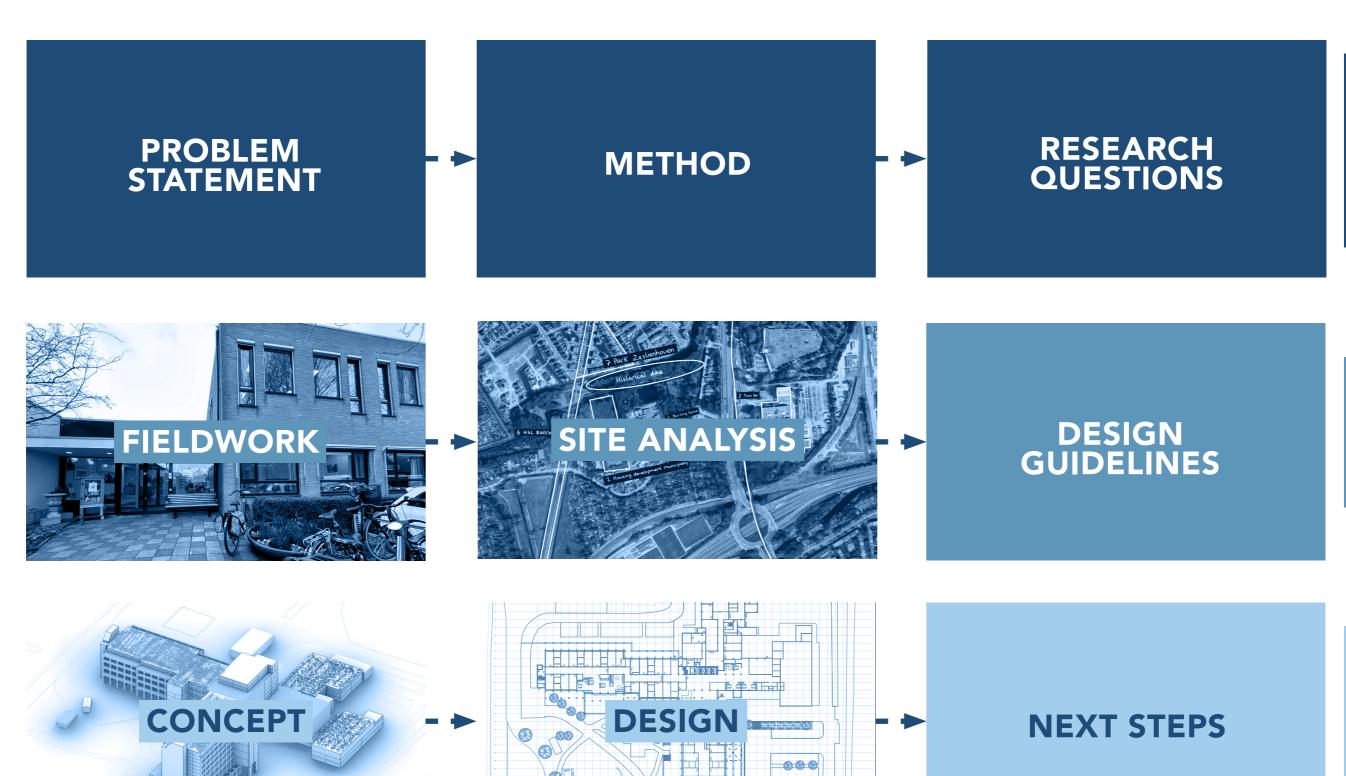


DESIGN FOR PEOPLE WITH DEMENTIA

NOA VAN DORTH

CONTENTS



PROBLEM

- Human rights
- Autonomy

= nrc>

■ ACHTERGROND

Eerst verloor hij de regie over zijn leven, daarna verloor zijn dochter de regie over hem

Dementiezorg Een verpleeghuis stapte naar de rechter om de dochter van een dementerende man de zeggenschap over hem te ontnemen. Hoe heeft het zover kunnen komen?

Bram Endedijk en Lineke Nieber

15 november 2024 · Leestijd 15 minuten

Luisteren 4)

Leeslijst D



Foto Mona van den Berg

Source: nrc

= nrc>

ACHTERGROND

Zijn de 'mensonterende' misstanden bij Cordaan representatief voor verpleeghuizen? Drie vragen over ouderenzorg

Verpleeghuizen Bij een verpleeghuis van Cordaan in Amsterdam constateerde *de Volkskrant* schokkende misstanden. Structurele, sectorbrede problemen werken wantoestanden in de hand. Wat kan de inspectie hiertegen doen?

Ingmar Vriesema

20 december 2024 · Leestijd 3 minuten

Luisteren 4)

Leeslijst D



Dementiezorg onder druk

'Gebrek aan bewegingsvrijheid in verpleeghuis schending mensenrecht'

Source: Kro-Ncrv



Source: Teun Toebes

PROBLEM

- Aging population
- **15,7%**

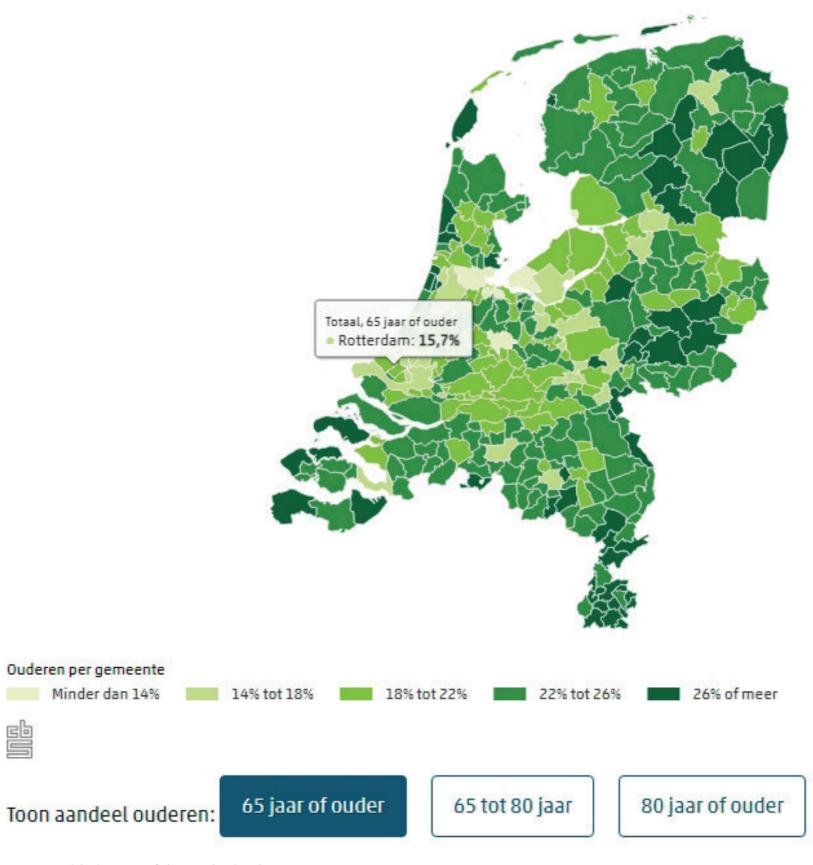


Figure 2. Elderly map of the Netherlands per town (CBS, 2024)

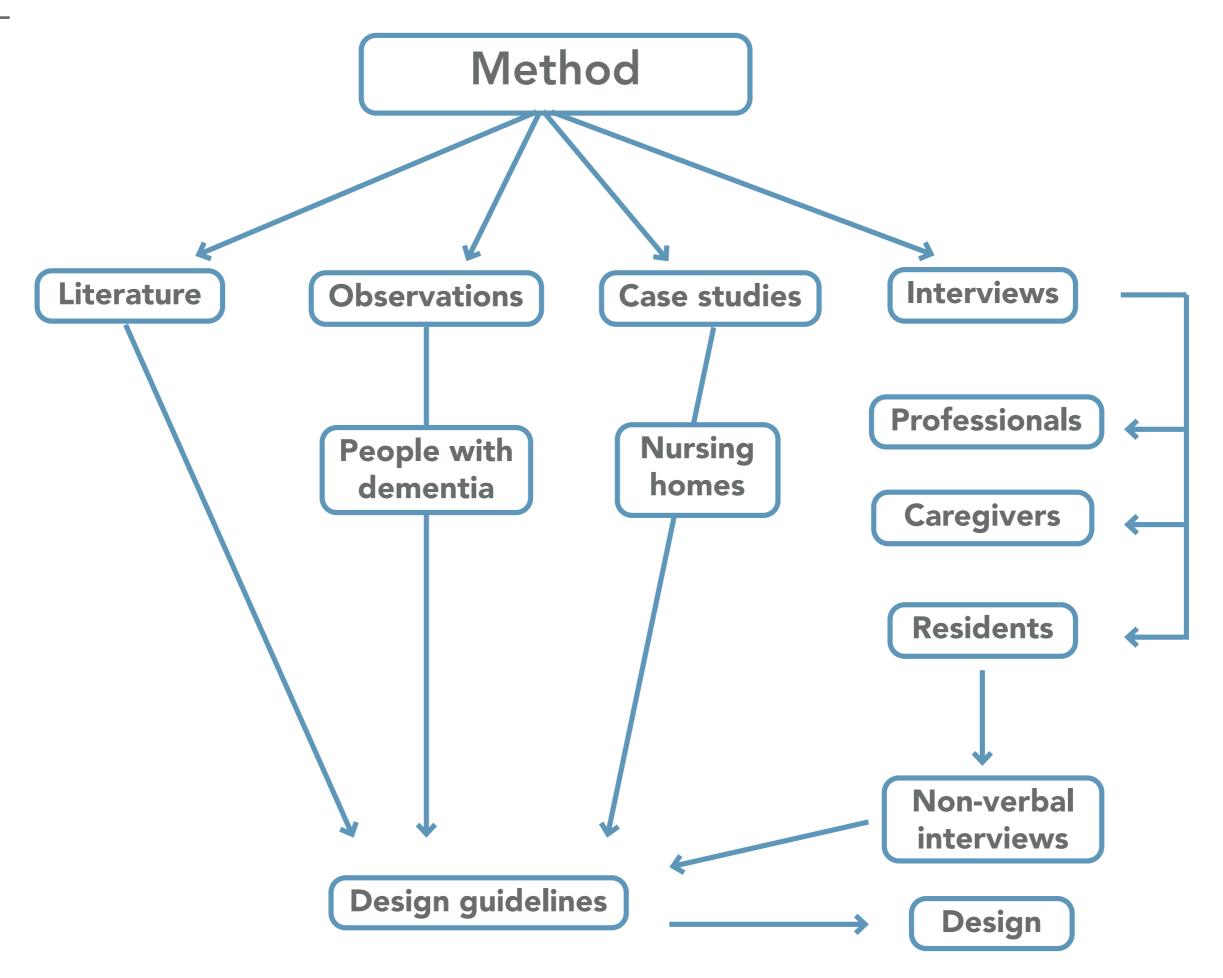
PERSONAL EXPERIENCE

- Dementia
- Care home
- Molentocht in Purmerend
- **Assisted living**
- **Nursing home departments**
- Reception, communal spaces and care facilities



RESEARCH QUESTION

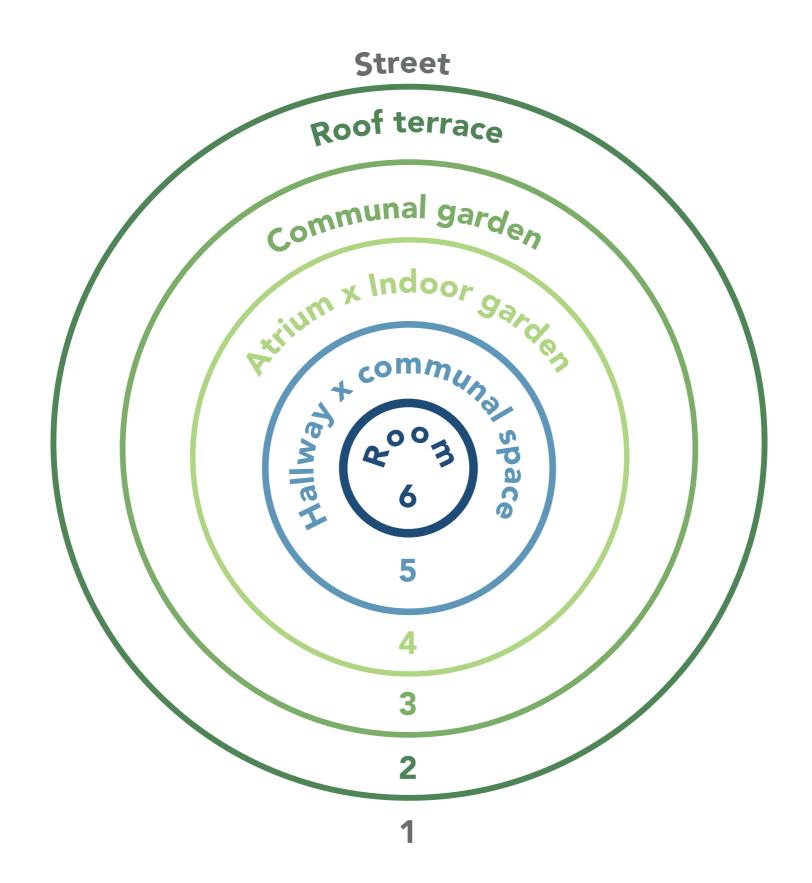
What are requirements of the living environment for people with dementia in care facilities, for achieving optimal autonomy during each different phase of dementia?



MOBILITY & INDEPENDENCE PER STAGE

		Stages	Independe	ent Guided		
Type of dementia		Early (1)	Mild (2-3)	Moderate (4)	Servere (5-6)	
Alzheimer	70%					Resting spots
Vascular (visual impairment)	16%					Resting spots/ seating
Lewy body (movement impairment)	*6%					Barrier-free Accessible
FTD Young Onset	*8%					Railing

LEVEL OF MOBILITY FREEDOM SPACES



"Our foundation is that people are free to leave and therefore choose to stay. So if you know the door is open and you can leave, you feel comfortable. If you close the door and say you can't leave until I say so, then you're not comfortable here. Then it doesn't feel good, and that's precisely when I want to leave."

Source: Mariahout, The Netherlands short fragment (Toebes, 2023)

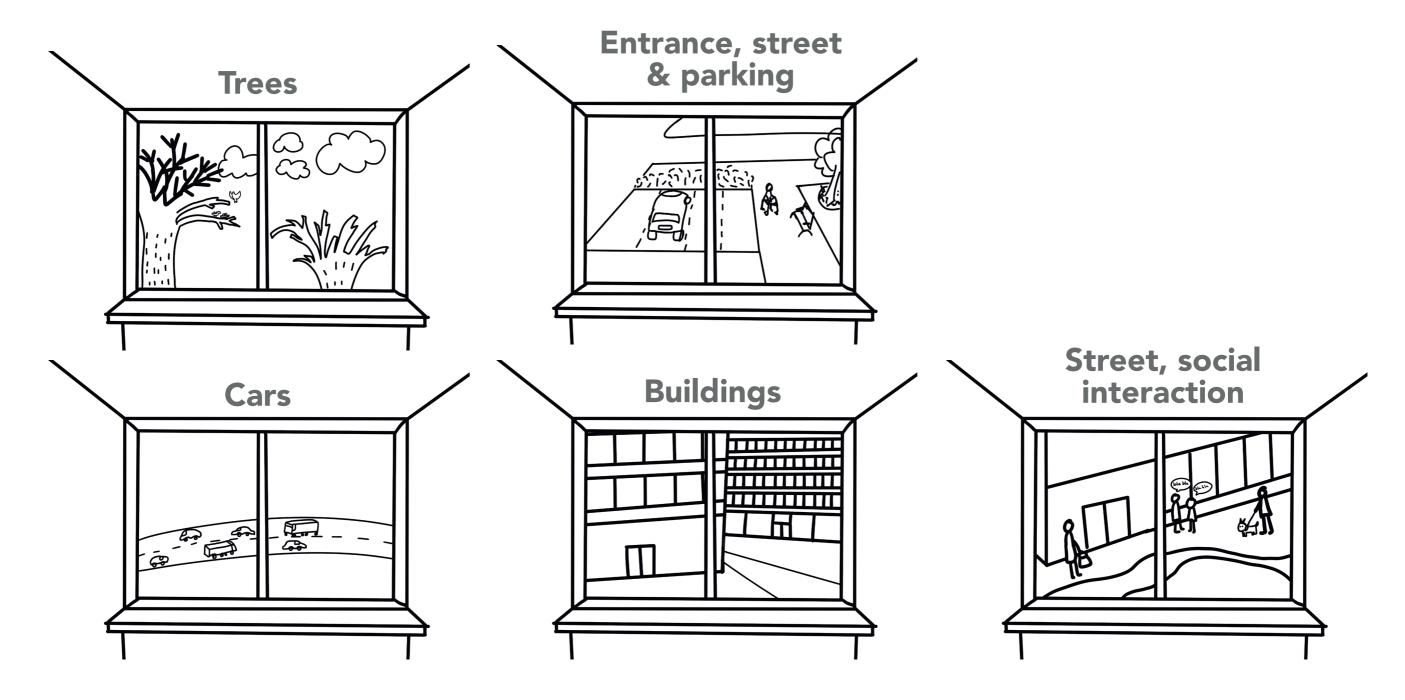
FIELDWORK

FIELDWORK



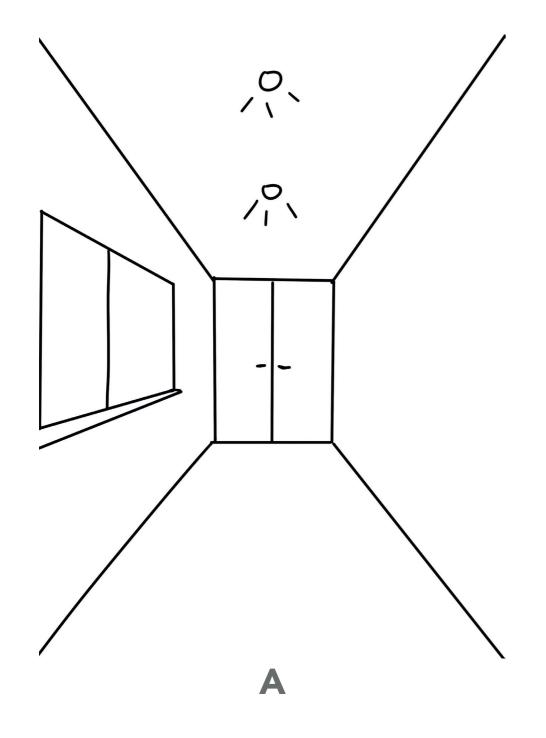
NON-VERBAL INTERVIEWS TEMPLATE

VIEW



NON-VERBAL INTERVIEWS TEMPLATE

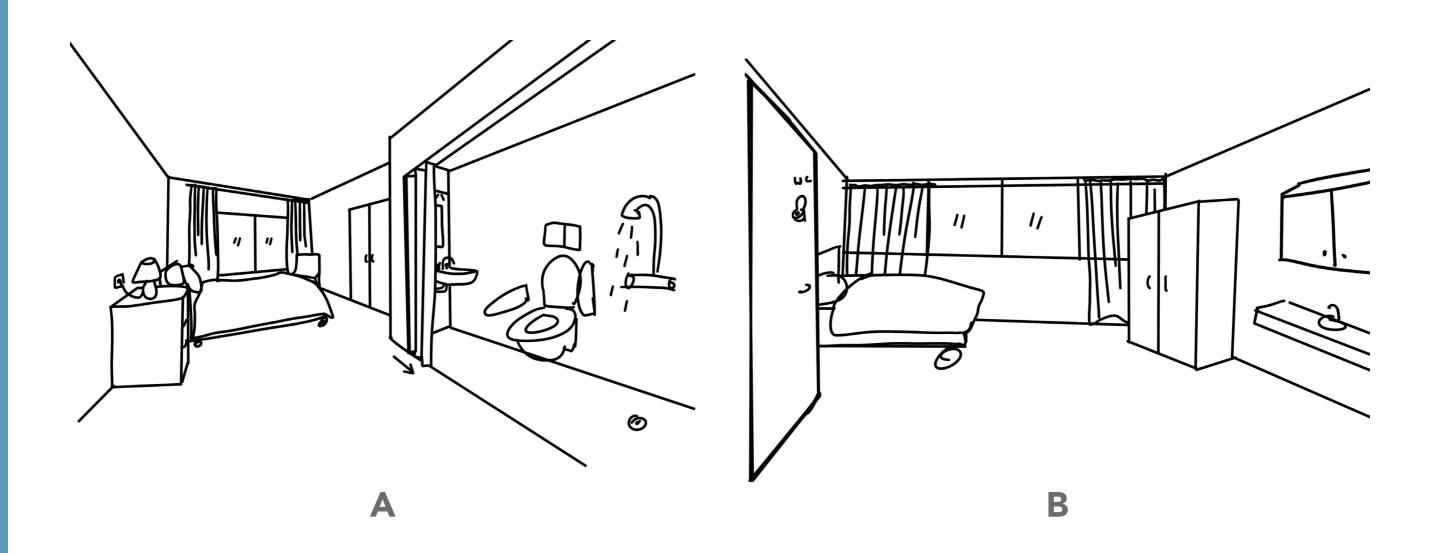
HALLWAY





NON-VERBAL INTERVIEWS TEMPLATE

ROOM



RESULTS

PWD RESPONSES

VIEW

"trees and nature, watching clouds. Gives movement. **Interaction** gives movement"

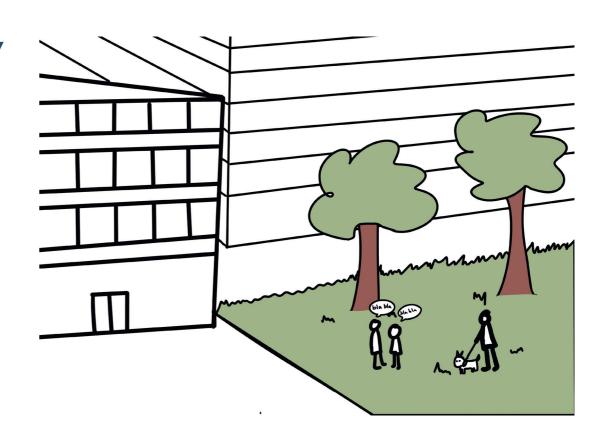
"looking outside, trees, **freedom** and gives **feeling** that im

outside"

GREENERY

"children playing, trees becomes park, add benches and tiles and **people** make it fun"

"with **trees and** grass. Would place a fence to make it private"



RESULTS

PWD OBSERVATIONS

MOVEMENT

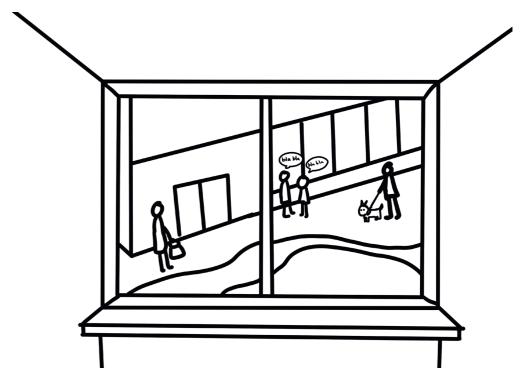
"Wanted to walk around but was told to **sit** down and wait"

OUTSIDE

"Only with **family** (once every 2 weeks)"

"Would go onto the balcony to smoke and walk around. He forgot to lock the balcony, so that was dangerous for other residents. "

"Whenever he got the opportunity (to go outside independently), so with family, staff, etc.



RESULTS

PROFESSIONALS/ CAREGIVERS

AUTONOMY

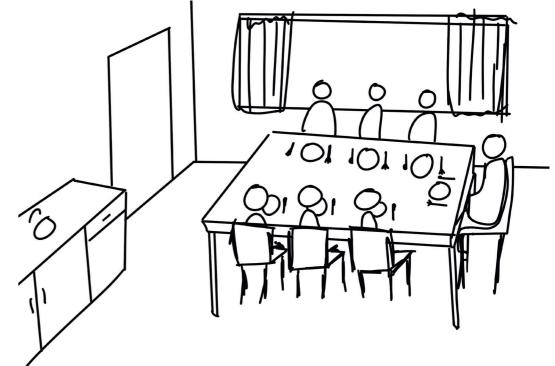
"Can choose where to eat and open door policy. Some can walk and go through the whole building, some only that floor"

"They can go outside, but it's not accessible (safety) in the way we would like."

ACTIVITY

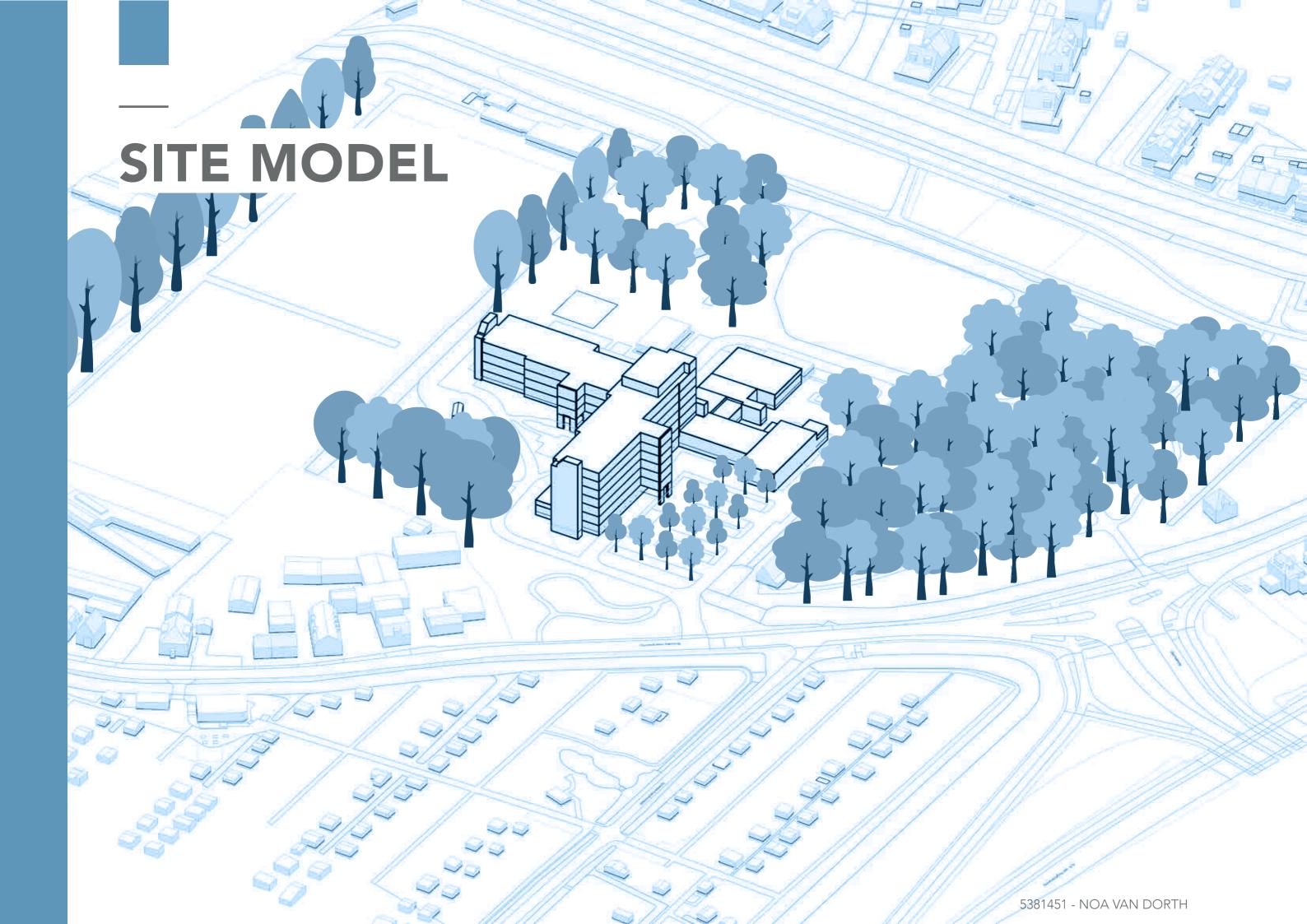
"Reading newspaper, playing games and activities together."

Some are more passive (apaty) some are **restless** and walk around. Not so much interaction, depends per group.



SITE ANALYSIS



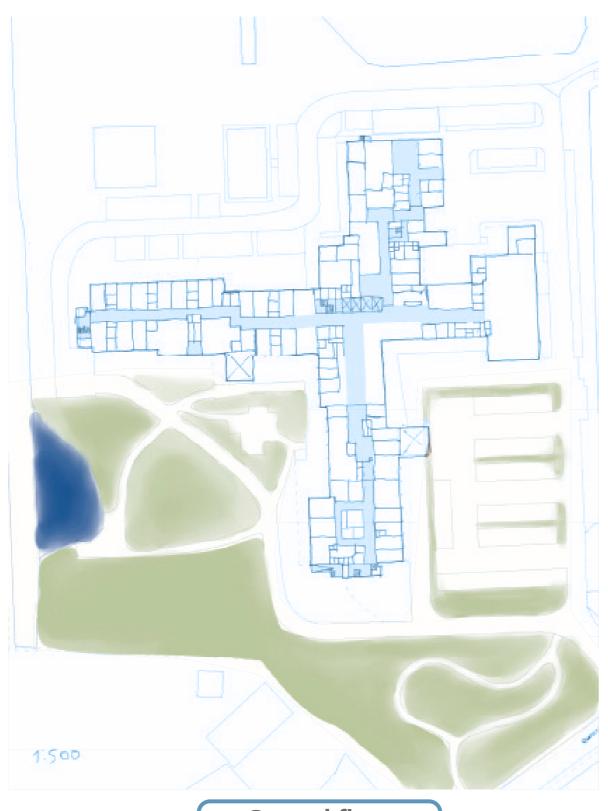


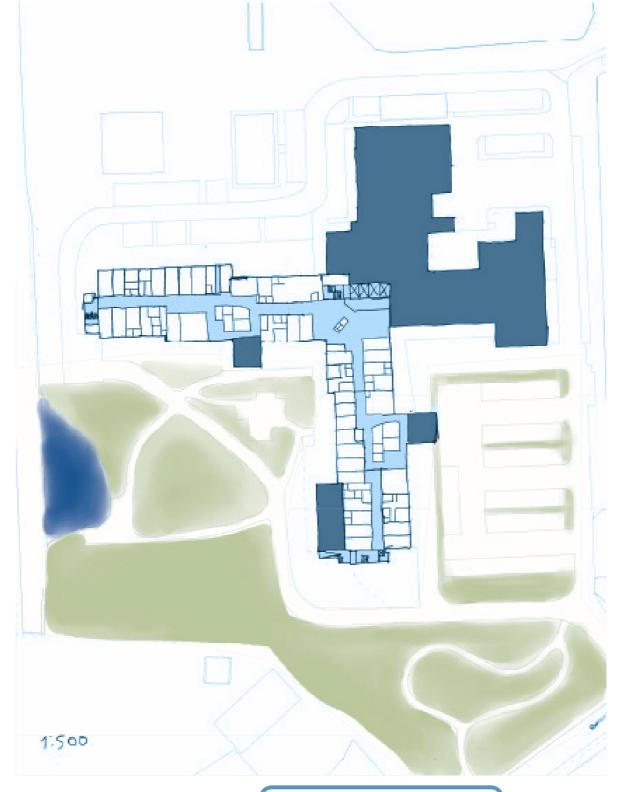


EXISTING BUILDING



EXISTING FLOOR PLAN





Ground floor

First floor

SITE ANALYSIS STREET LEVEL









SITE ANALYSIS GARDEN

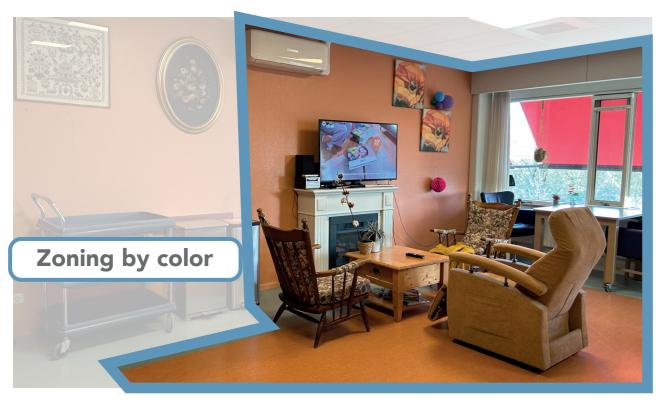






SITE ANALYSIS INTERIOR







EXISTING MATERIALS ANALYSIS



Corrugated aluminum



Concrete



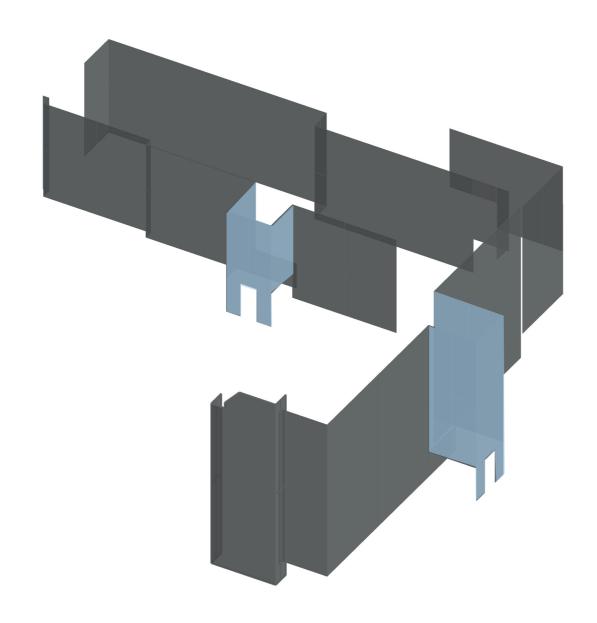
Aluminum window



Aluminium



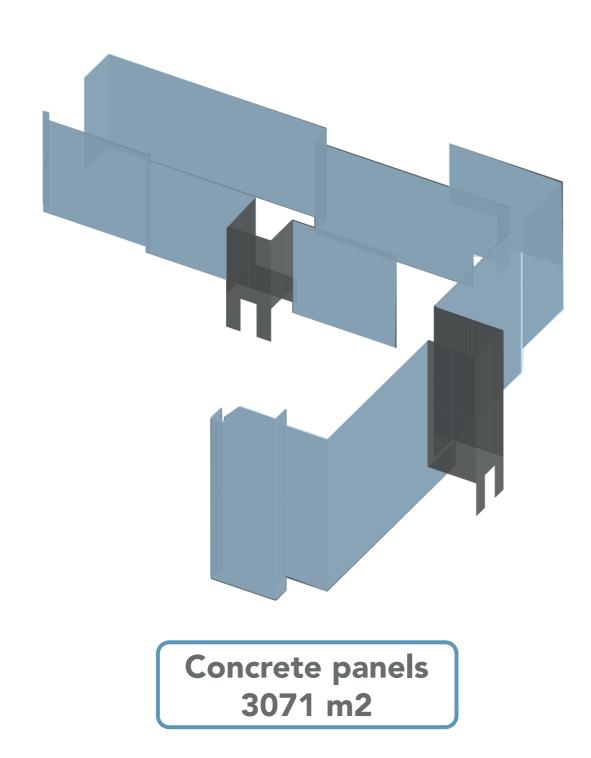
Existing



Corrugated aluminum panels 465 m2

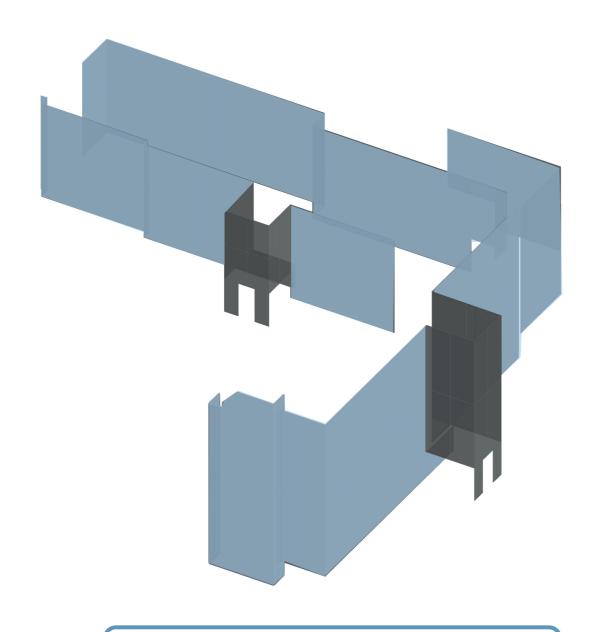


Corrugated aluminum





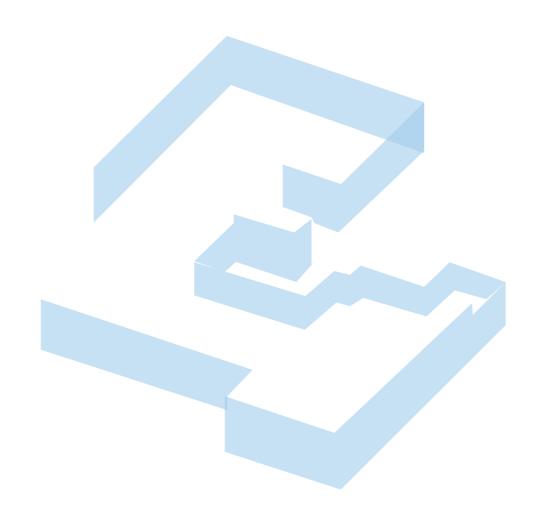
Concrete



Aluminum window 3021 m2



Aluminum window



Aluminum 364 m²



MATERIAL LIBRARY (MADASTER)



Corrugated aluminum



Concrete

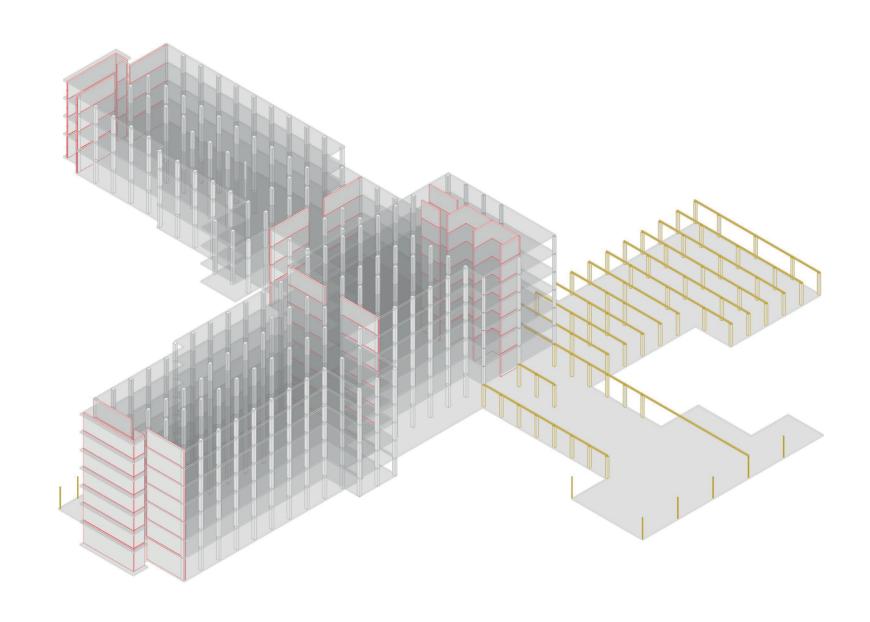


Aluminum window

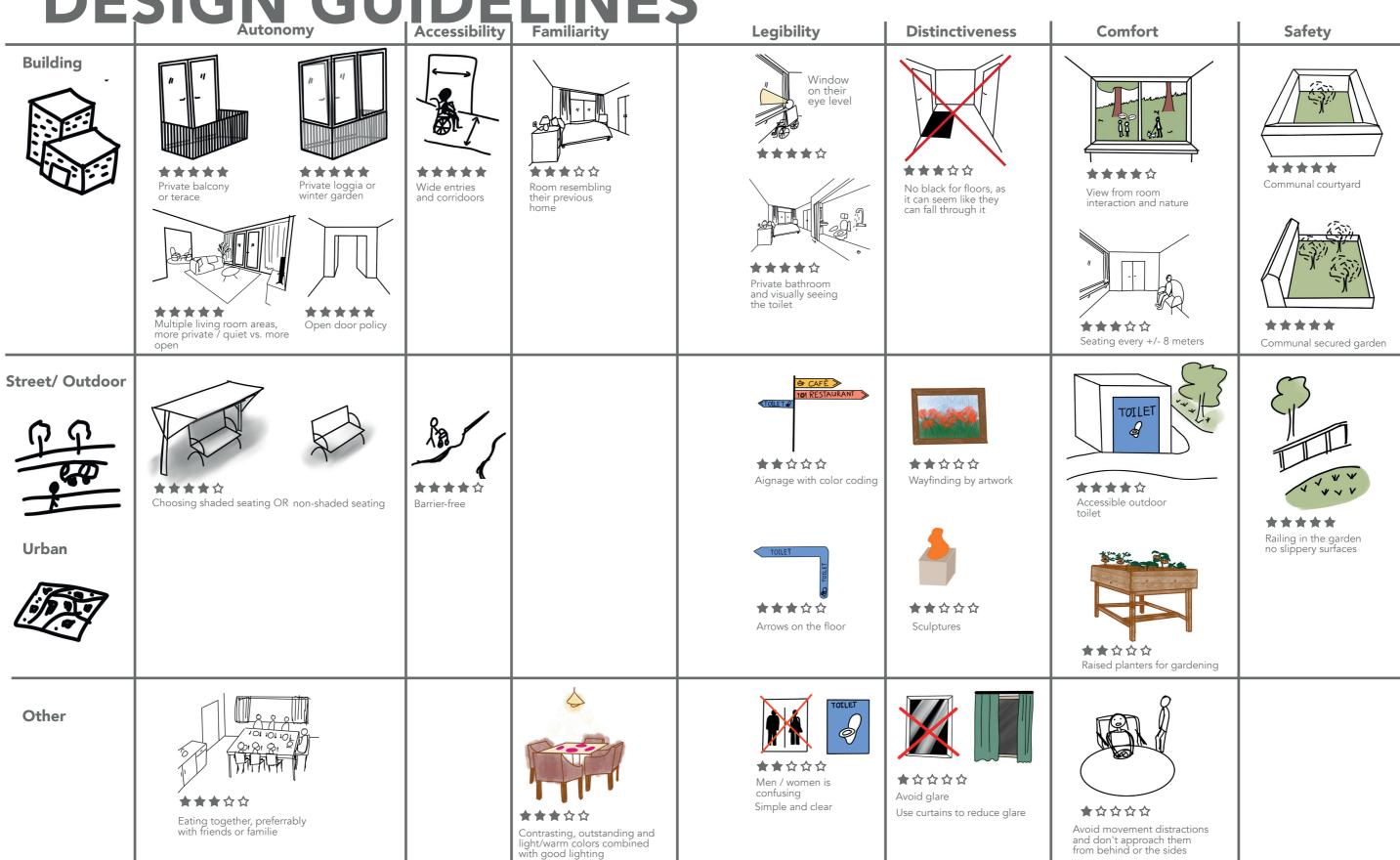


Aluminium

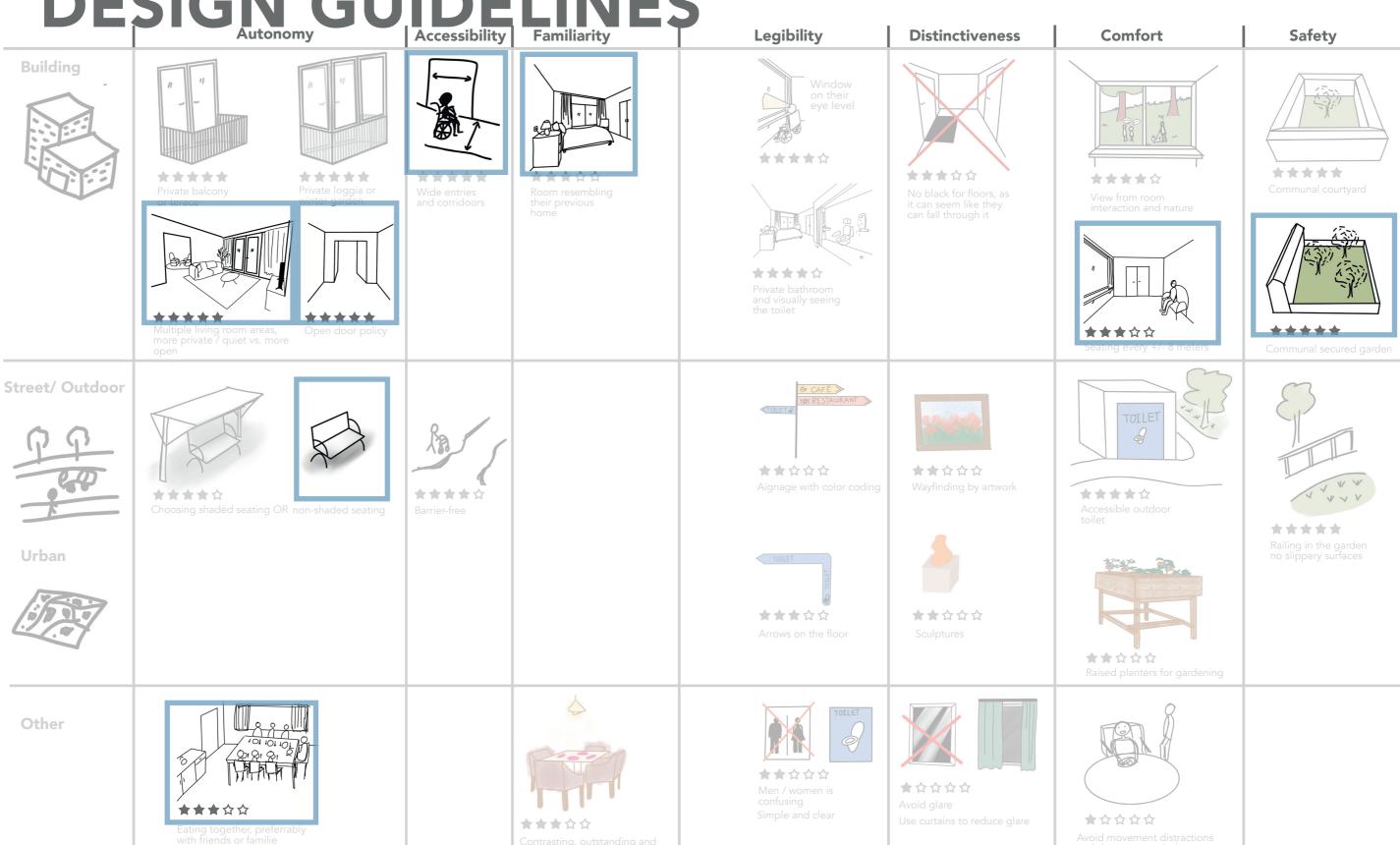
EXISTING STRUCTURE ANALYSIS



DESIGNGUIDELINES Accessibility Familiarity

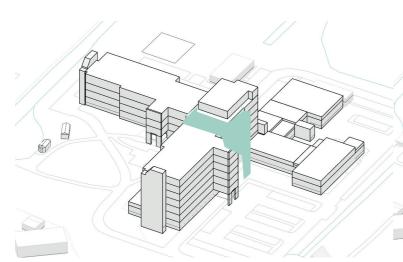


DESIGNGUIDELINES Accessibility Familiarity

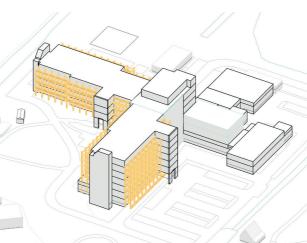


CONCEPT

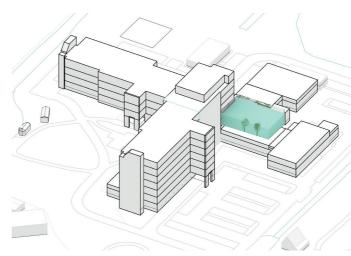
INTERVENTIONS



Atrium (bring nature inside)



Green facade (view on nature)

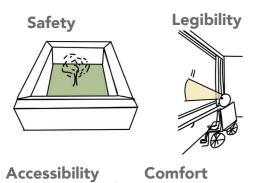


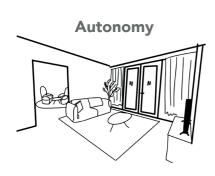
Glass house & roof gardens

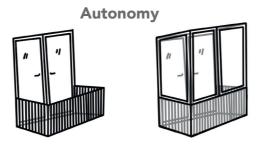


Green roof & gardens

1



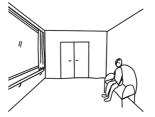










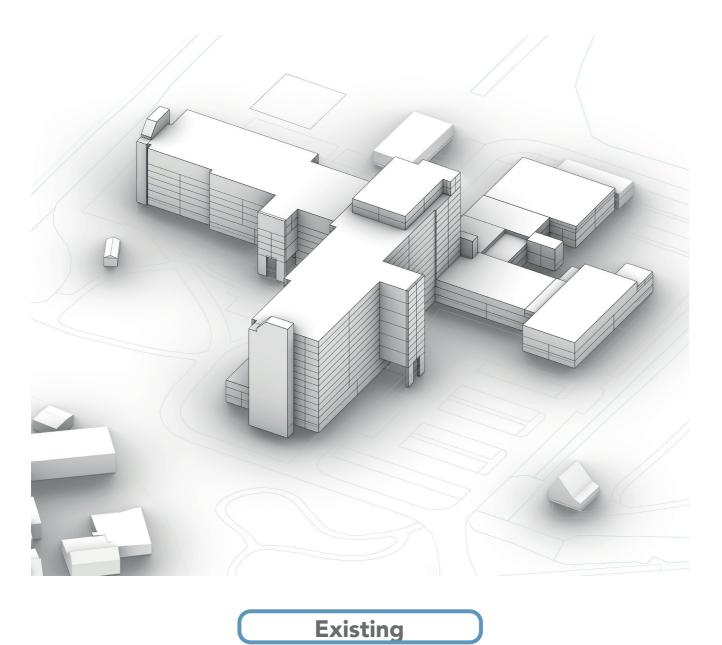


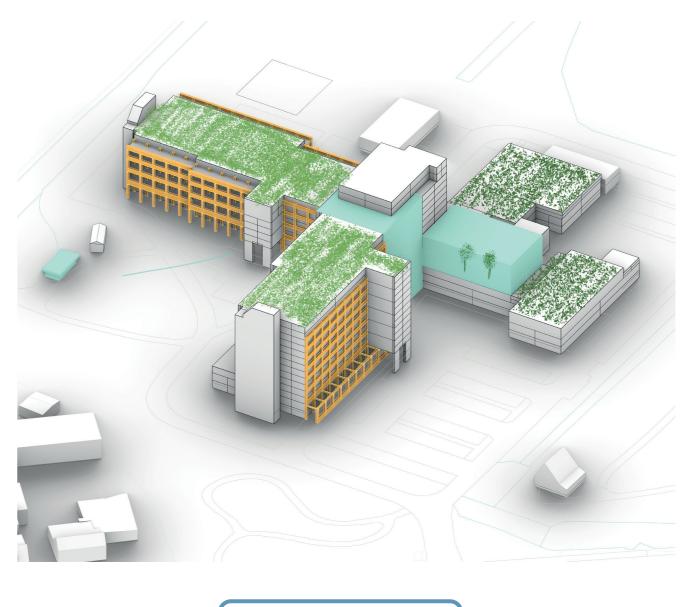






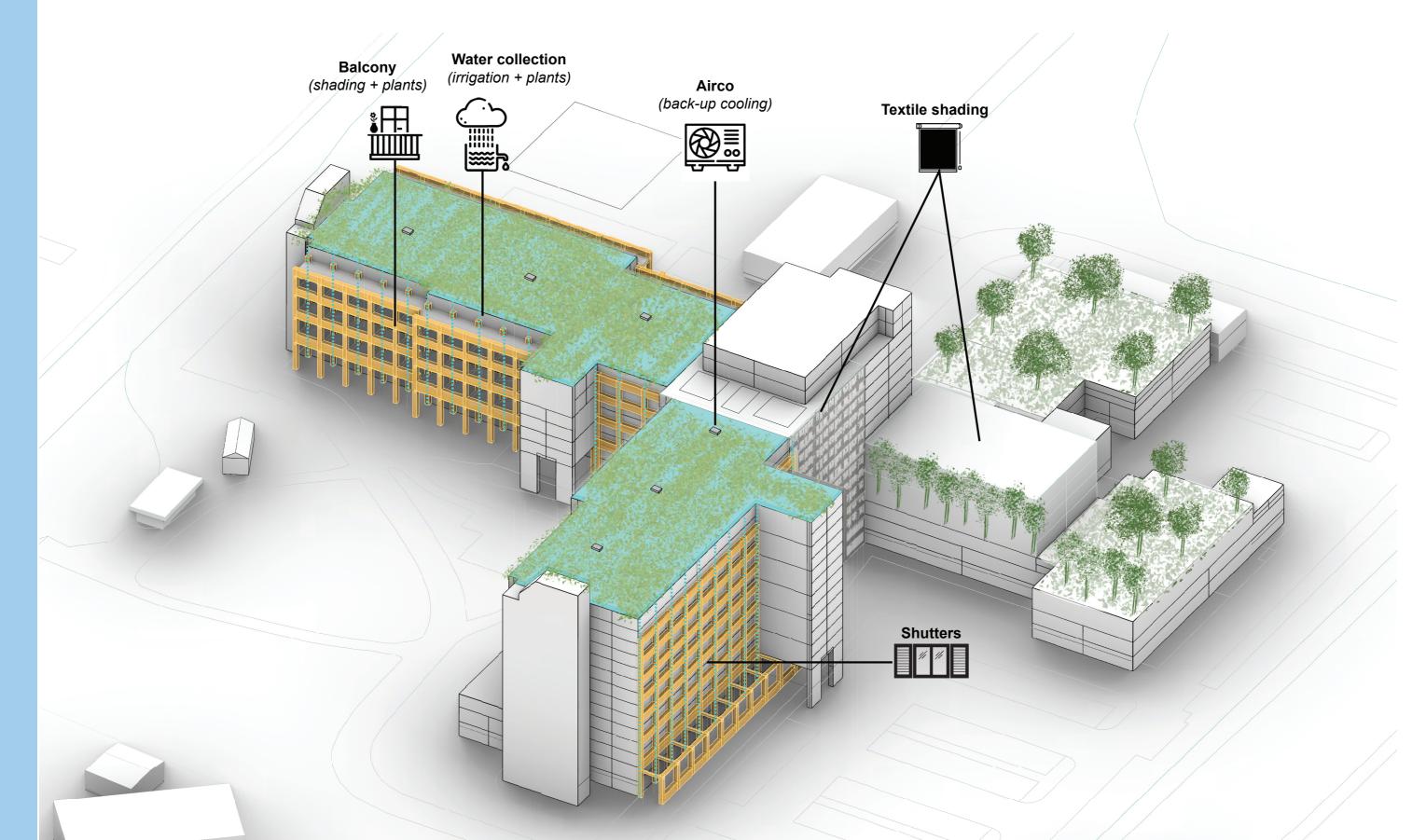
DESIGN



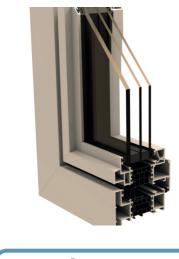


New

CLIMATE DESIGN



MATERIALS EXTERIOR









Auluminum

Red Class Wood

Platowood Poplar

Sand Stone



New

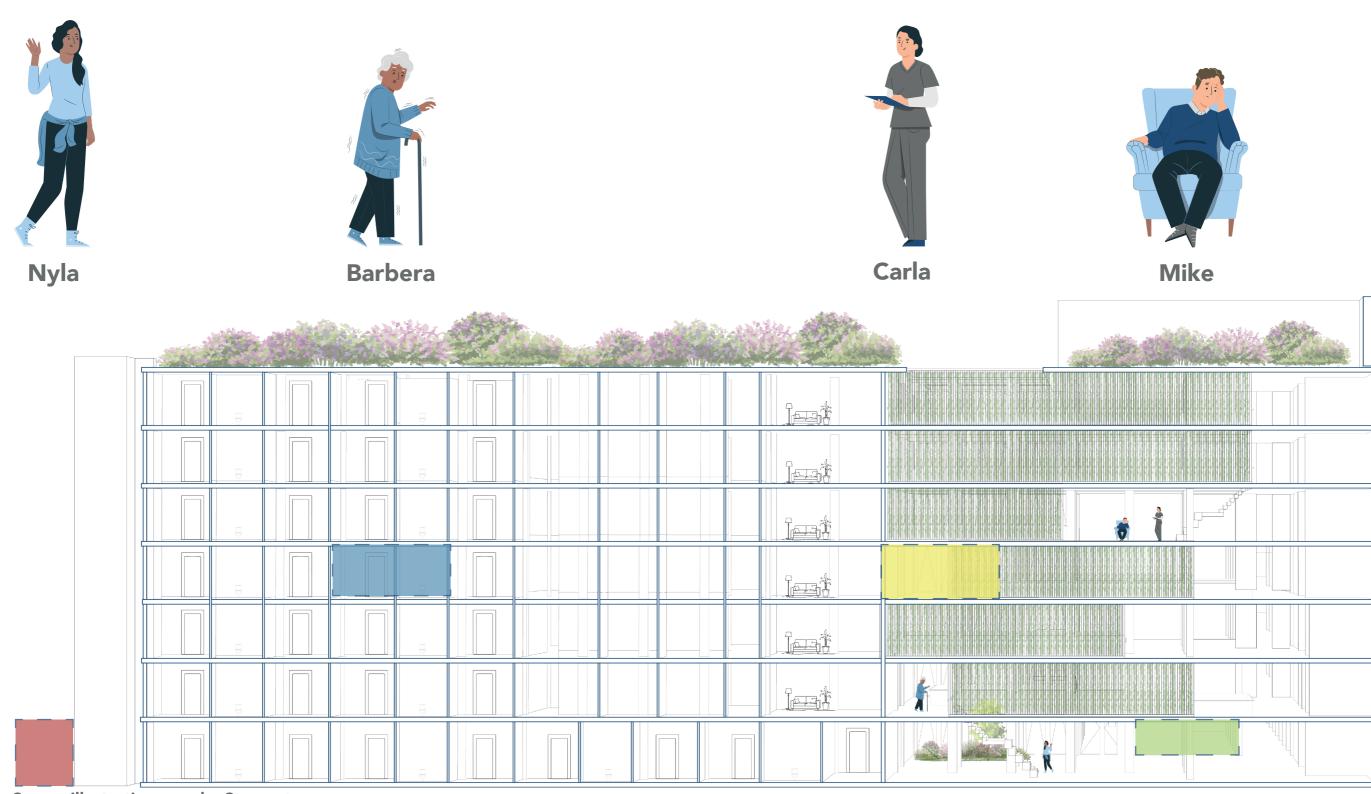
MATERIALS



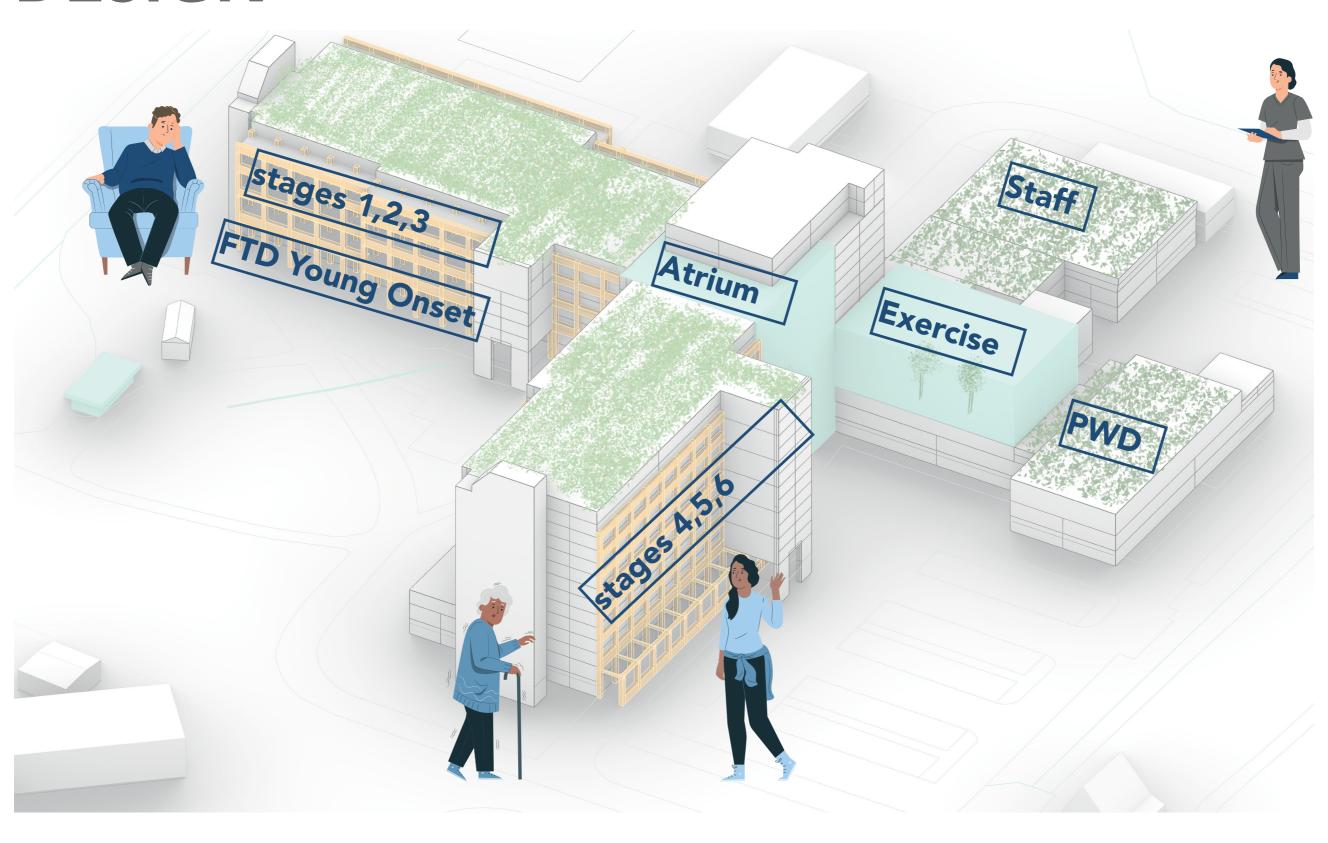


NEW DESIGN

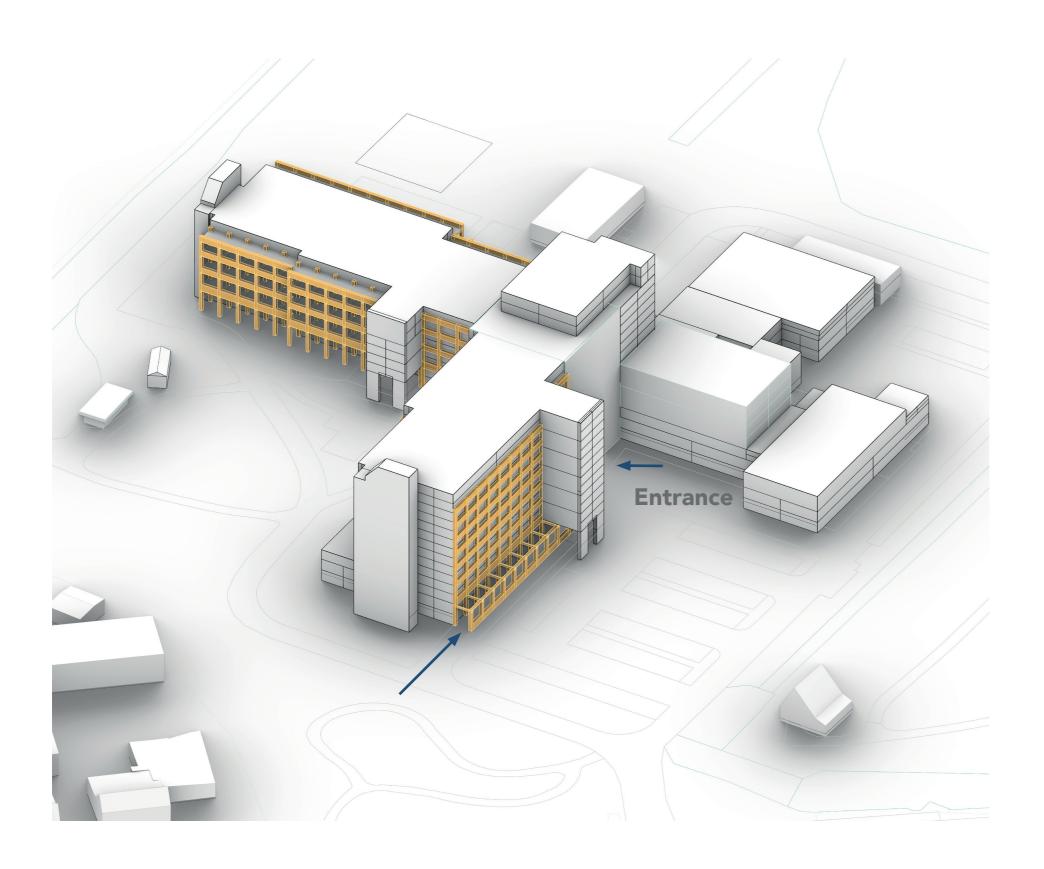
WHO IS WHERE?



DESIGN



DESIGN



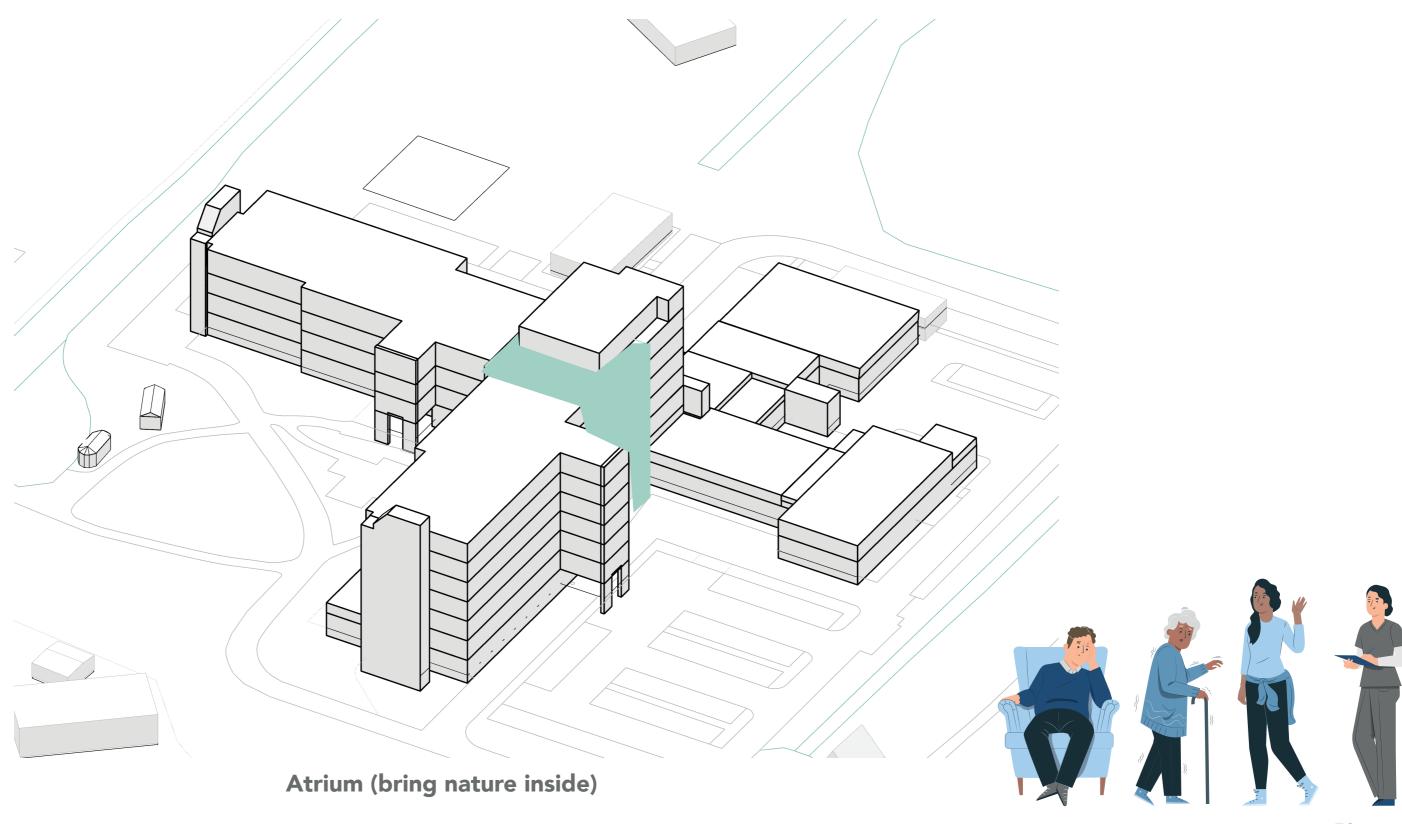




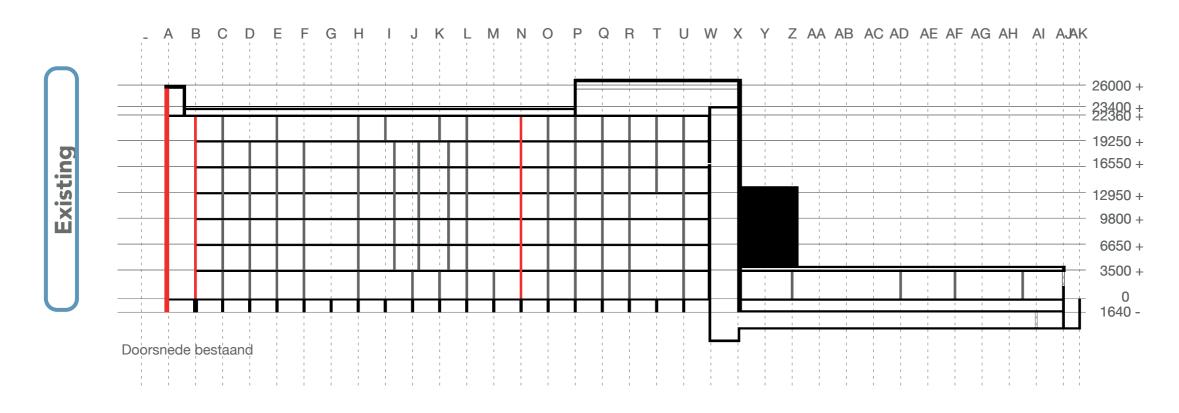


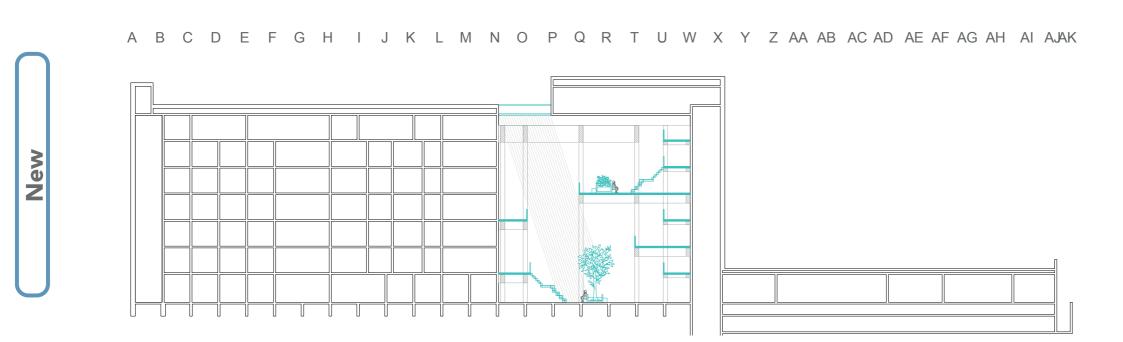


DESIGN ATRIUM



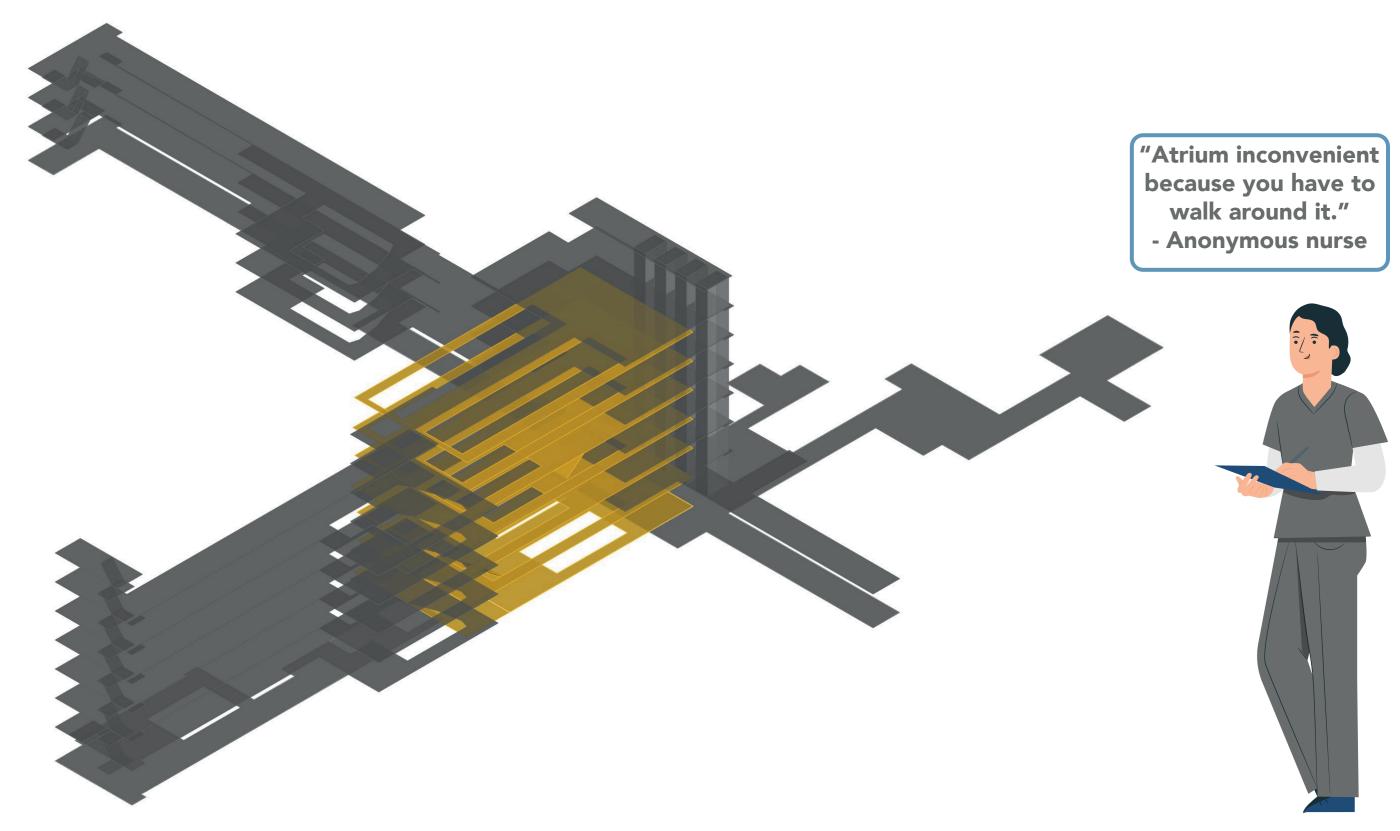
DESIGN ATRIUM



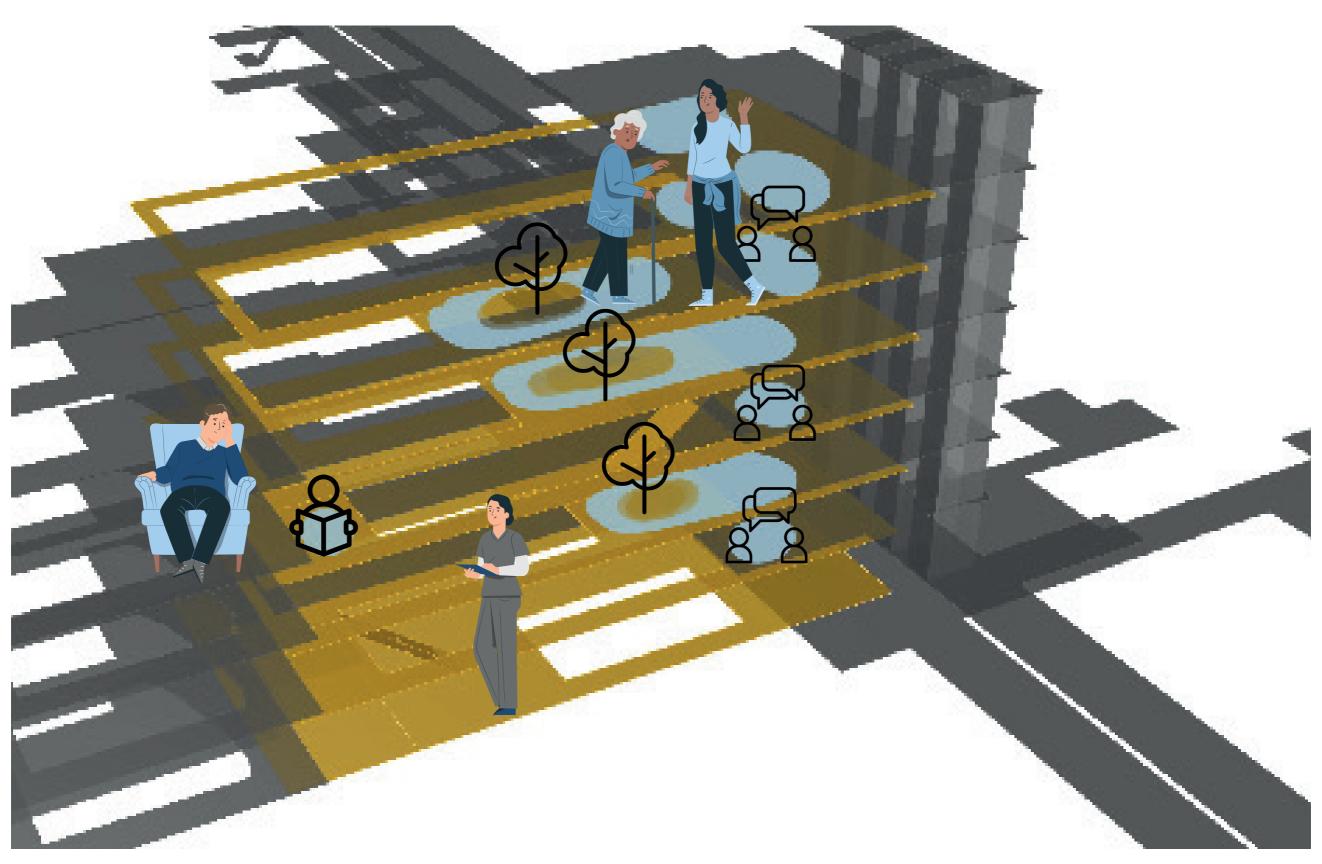




CIRCULATION



CIRCULATION



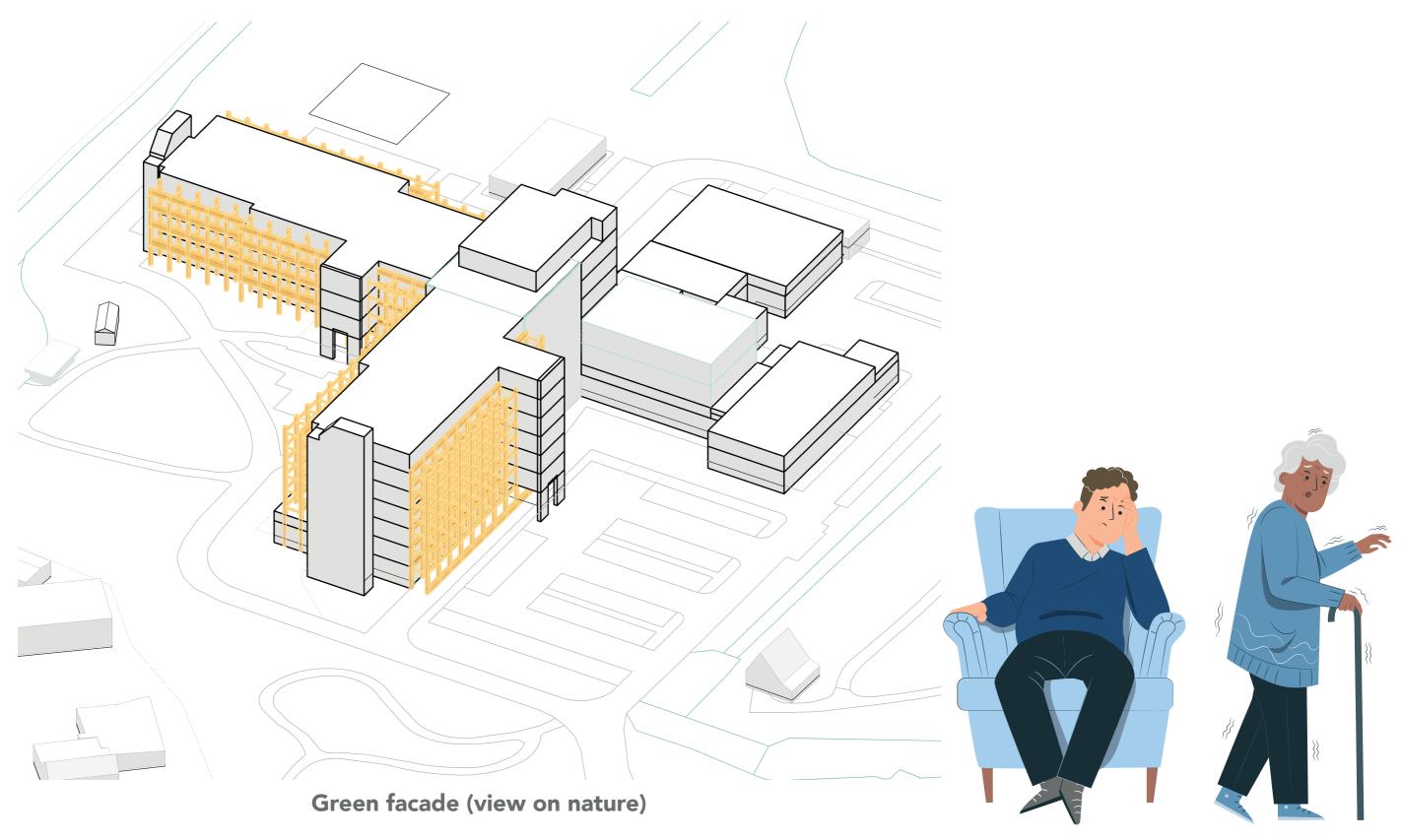


5 Living room †

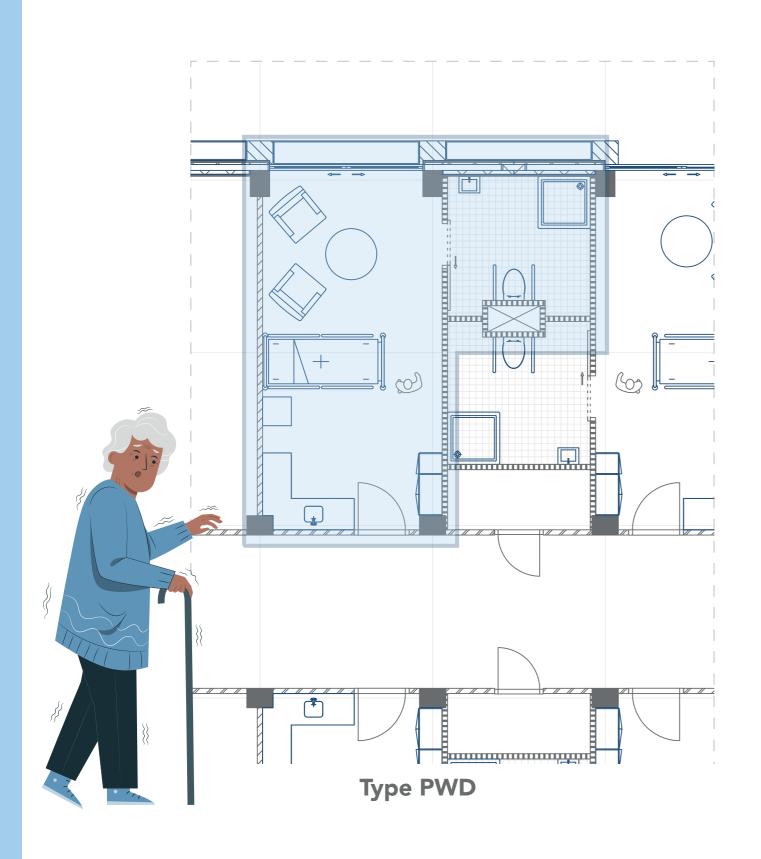
Home †

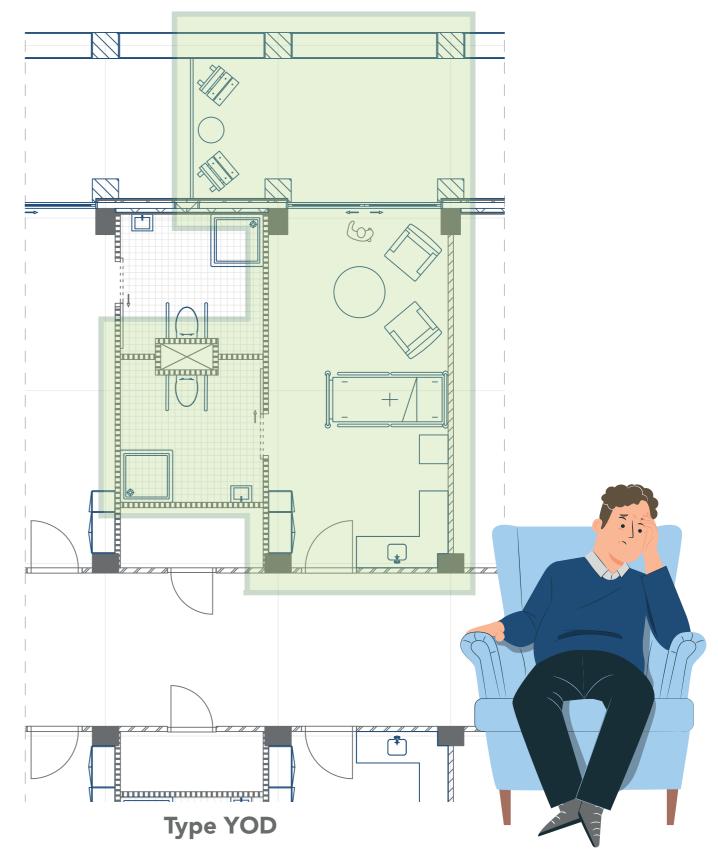


DESIGN ROOMS



DESIGN ROOMS





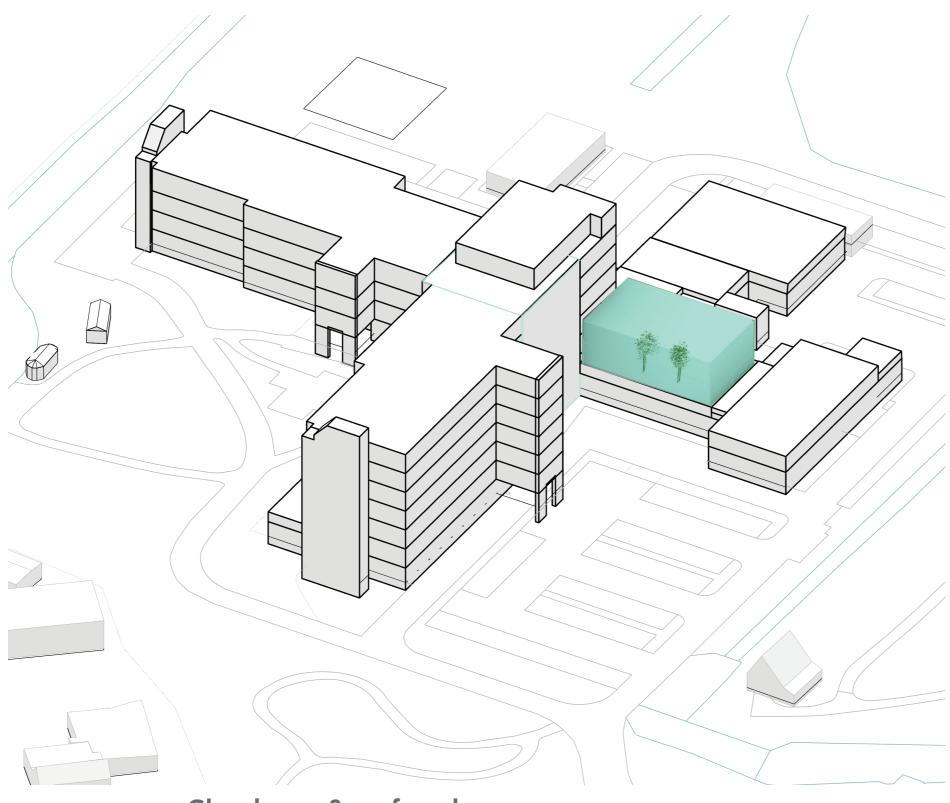








DESIGN GLASS HOUSE



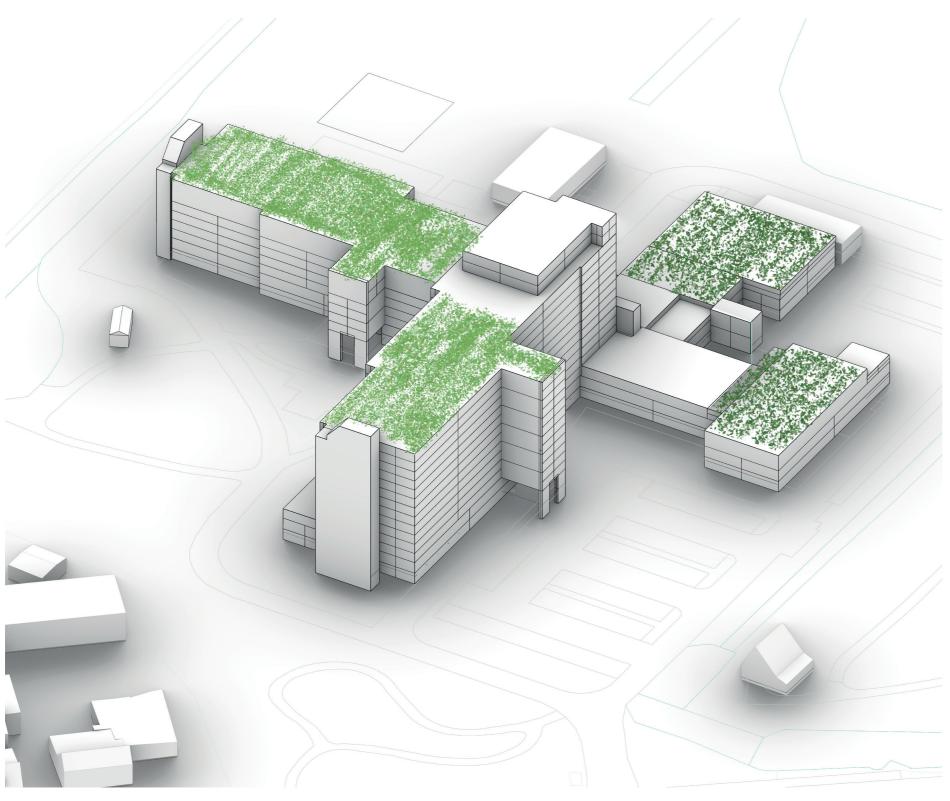
Glass house & roof gardens



DESIGN GLASS HOUSE

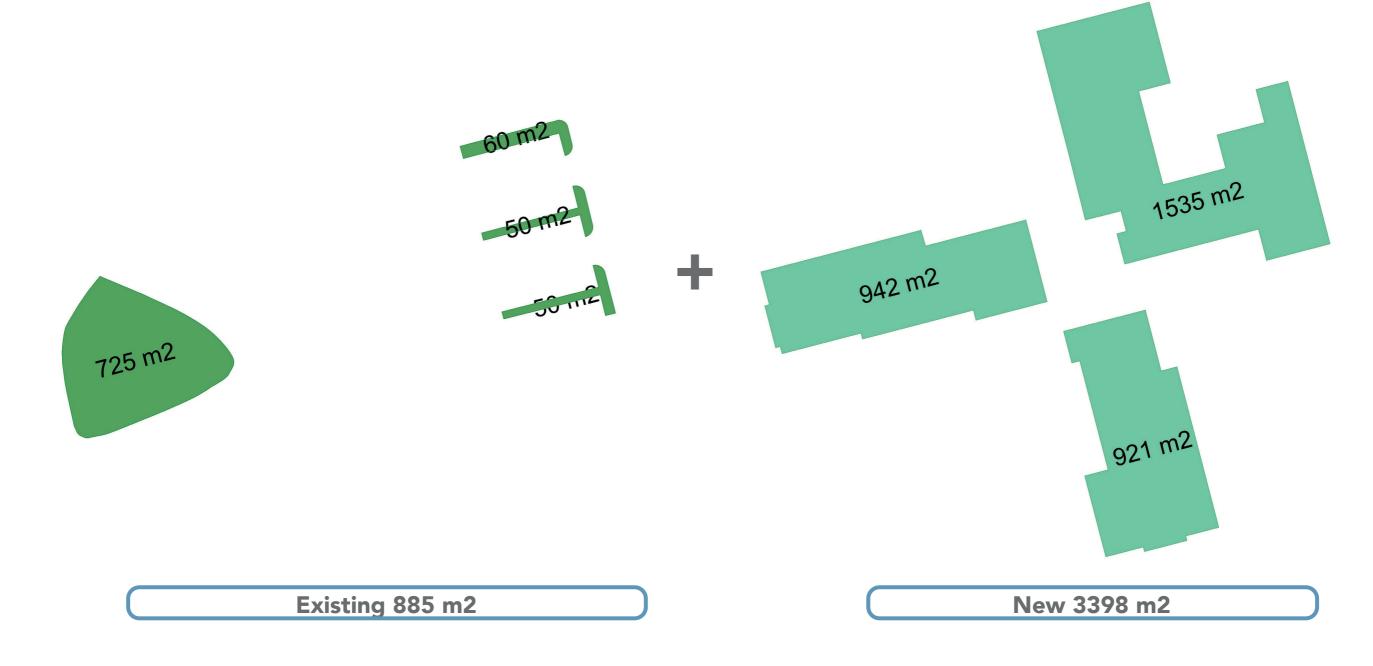


DESIGN



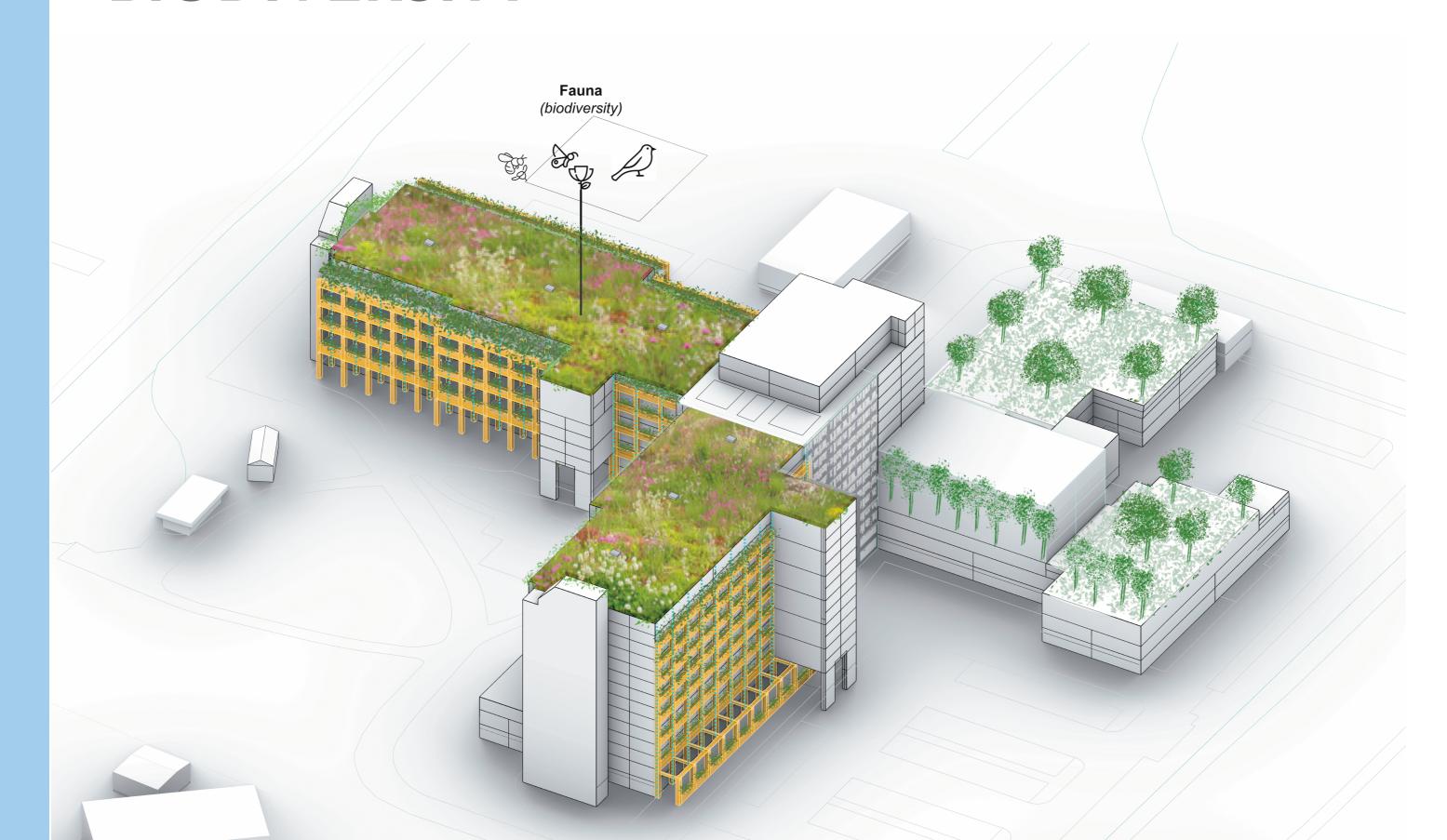
Green roof & gardens

% GREEN ADDED

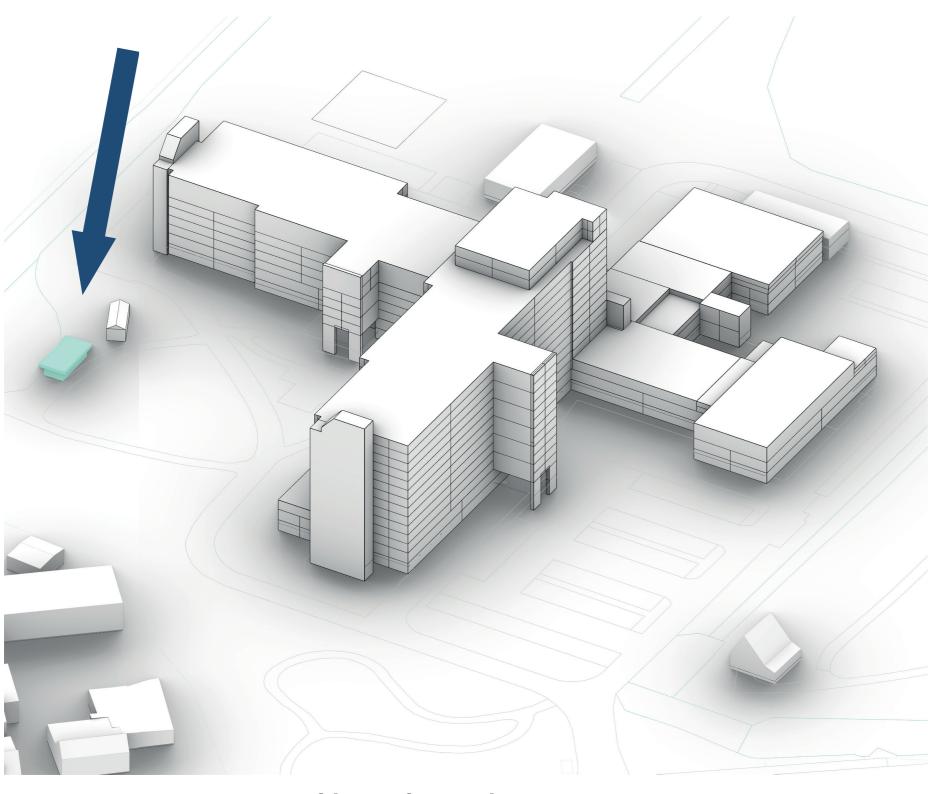


100% GREEN + 284% ADDED GREEN

BIODIVERSITY



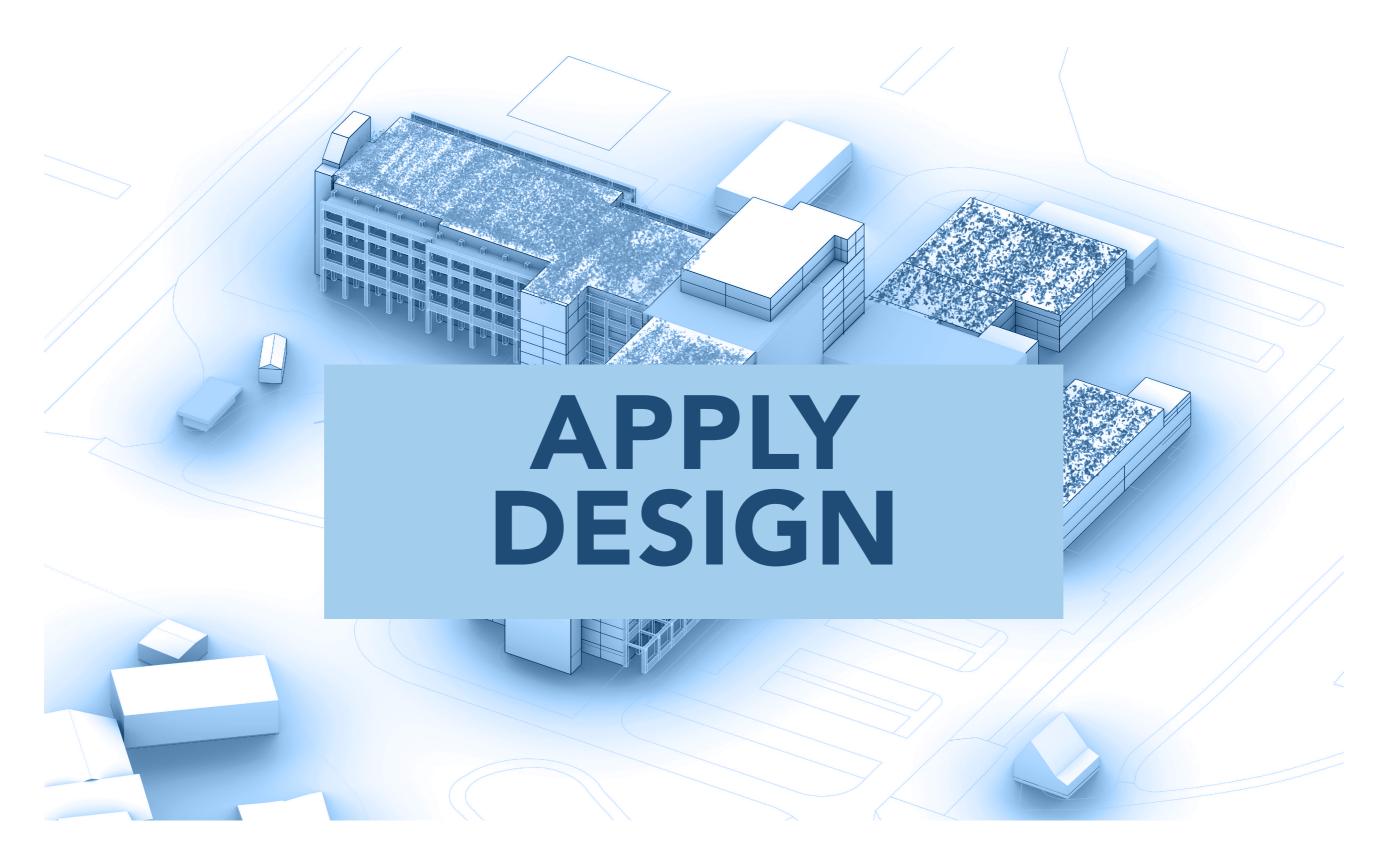
GARDEN



Accessible outdoor toilet



NEXT STEPS



QUESTIONS?

