DEMENTIA AR ACADEMY

The Architectural Canvas of Dementia Well-being

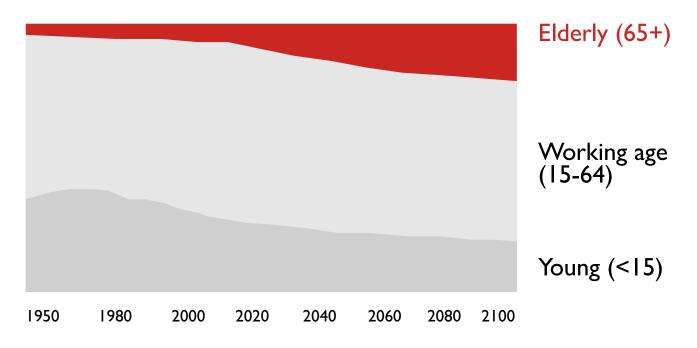
Simone Bosveld

ŤUDelft P5 Dwelling - Health & Care 18.06.2024 RESEARCH
 DESIGN BRIEF
 CONCEPT
 SITE
 SITE ACADEMY

RESEARCH
 DESIGN BRIEF
 CONCEPT
 SITE
 SITE ACADEMY



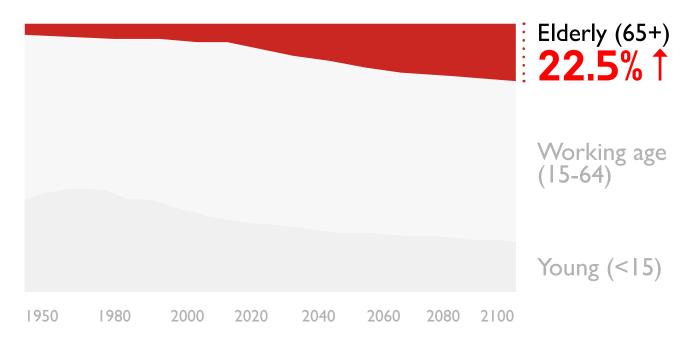
Relative size of world population by age



Source: https://www.vox.com/videos/23311747/dementia-villages-elderly-care-senior-home



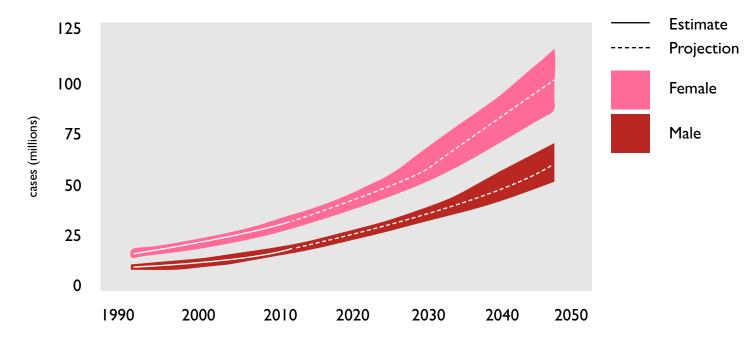
Relative size of world population by age



Source: https://www.vox.com/videos/23311747/dementia-villages-elderly-care-senior-home

Research INTRODUCTION

Individuals diagnosed with dementia

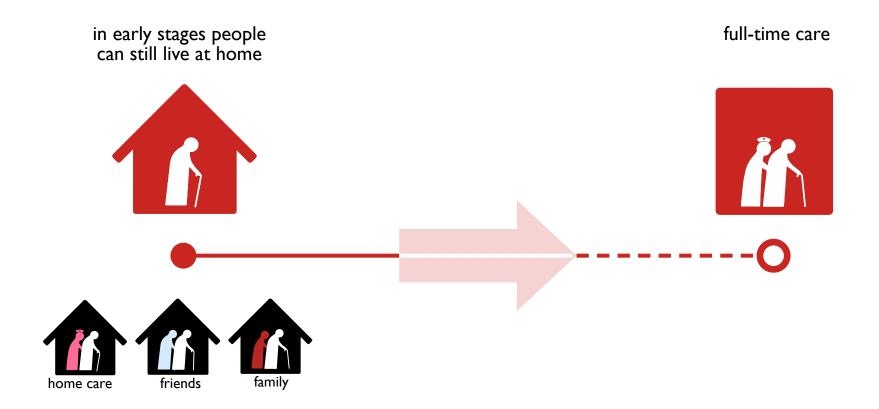


Source: https://www.vox.com/videos/23311747/dementia-villages-elderly-care-senior-home

Research INTRODUCTION



Research INTRODUCTION



2 3

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1

rising amount of people with dementia

2

3



1

rising amount of people with dementia

burden on health care system

3



1

rising amount of people with dementia

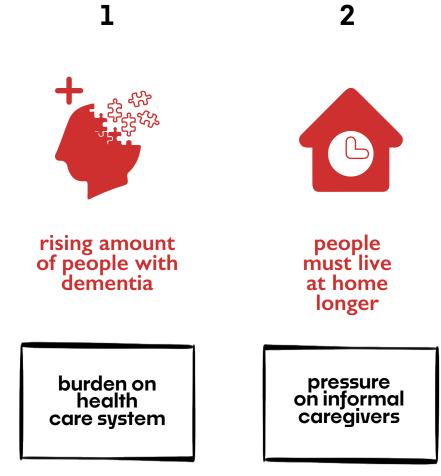


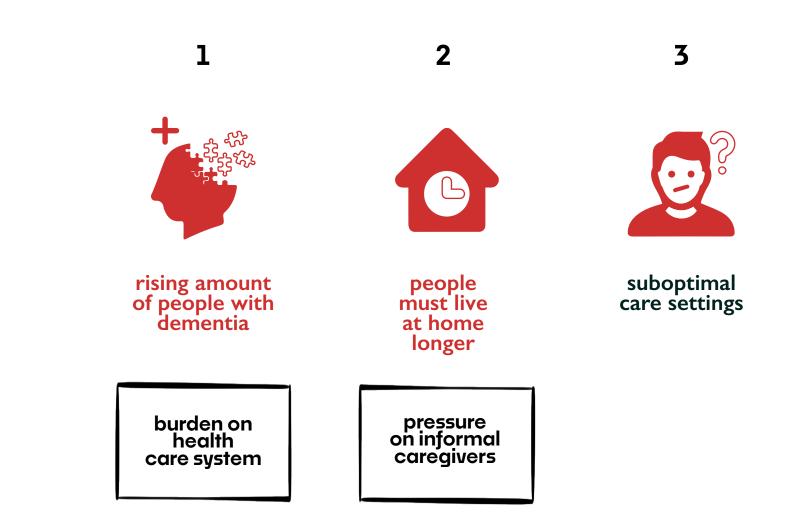
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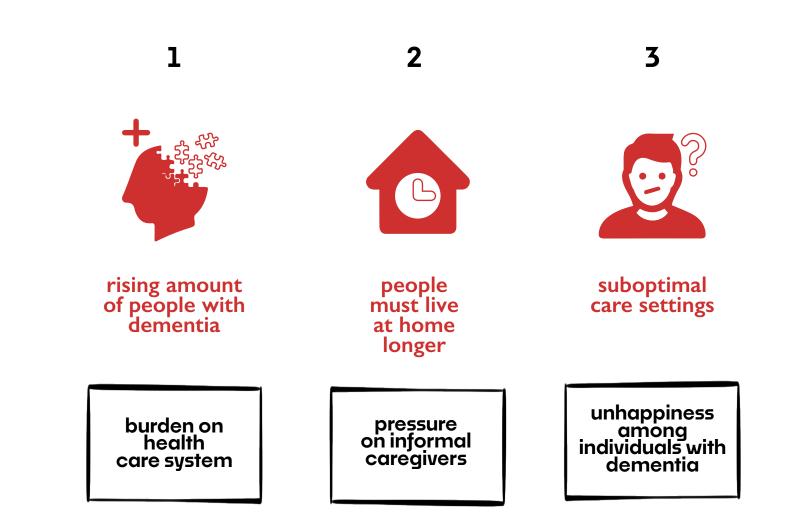
people must live at home longer

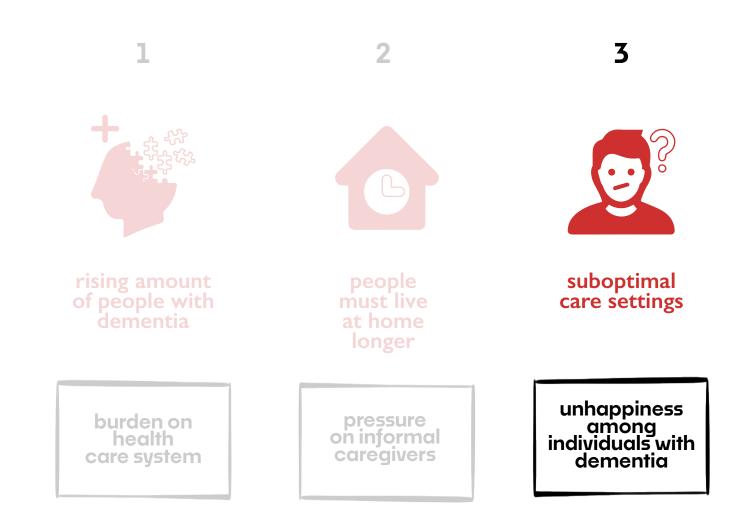
burden on health care system

3









Dementia is a growing global concern due to an aging population. In the Netherlands, there are currently 110.000 people diagnosed with dementia. Additionally, there are approximately 120.000 people who suffer from dementia, but have not yet received a diagnosis (www.alzheimer-nederland. nl). Out of the 230.000 people in total, more than 160.000 are

that the amount doubled in 2050, Alzheimer Repor healthcare system

The growth in the a societal issue a Societally, it means that there is an increasing pur

healthcare:dementia is the condition with the highest mortality and the highest disease burden (LKCA, 2023). Individually, it means that people with dementia and their loved ones must (learn to) deal with the consequences of the disease (Peeters et al., 2015). Many people with dementia need to be admitted to nursing homes, but the vast majority of individuals with dementia wishes to continue living at home for as long as possible (Peeters et al., 2015). Because dementia often cooccurs with comorbidities and social, and behavioural issues, care is generally complex, so family caregivers are often heavily burdened (Zwaanswijk et al., 2010). Already in 2002, the Health Council of the Netherlands recognized the need for improvement in dementia care due to the absence of integration and cohesion (Gezondheidsraad, 2002). Over the past few years, numerous initiatives have been undertaken to enhance the quality of dementia care, including efforts within the National Dementia Program (LDP, 2003-2008).

There is a prossing need to enhance the design of interior

spaces to a from deme challenges, communica problems v span (Gran navigation, emotional ... negative impact on their well-being even the quality of life (Peeters et al., 2015).

Research shows that art can be a way to still connect with these individuals and have proven to be a contribution to the sense of purpose, problem-solving abilities, self-confidence

Apathy and social isolation are common in dementia

When we think of the visual arts in Basting's work (2006), we can think not only of painting or drawing but also of the graphic design within a building. The layout design of a nursing home plays a crucial role in shaping residents' spatial

(2021). Supplementary elemen lighting, and colours provide a cannot fully compensate for pe (Marquardt, 2011). This stresses

incorporated into an early stage on the architectural design for dementia. Combining visual art within the building along an interior fit for art-based therapy could potentially result in an optimal architectural design for dementia care, improving the well-being of the patients.

For this study I commonced with a literature study There.

to observable behaviour. They discuss 'a conceptualization of personhood', presenting evidence of relative well-being even in those severely demented from a cognitive standpoint. The argument is made that the central psychological task in dementia care is to preserve the sufferer's personhood. Clarke et al. (2020) introduce a conceptual framework with domains for measuring well-being in people with dementia, aligning with Keyes' (2007) model of well-being.

In my study, I have explored various viewpoints in existing literature about how art-based interventions to affect dementia. Gross' et al. (2013) investigation into an art activity program reveals that while quantitative outcomes may not show improvement, caregivers do observe a notable difference in the well-being of participants. This theory is emphasized by Beard's (2011) critical review of arts therapies for individuals with Alzheimer's. She as well urges a shift towards subjective well-being measures instead of quantitative. Also Hendriks (2022) measures life in a person-centred way by nature and art interventions. Basting's (2006) emphasis on the positive

leading to the progression of dementia

can uding

ing),

viduals with vocating for ukh (2018) and defining ials in a safe

research, additional comparisons will be made with studies focusing on specific art forms, like sculpting (Seifert, 2007), to further enrich the investigation.

Specific research on architecture for individuals with demonstra have been examined with the studies by Torrington

2018) as crucial foundations dy explores the influence of f life. His 'independent project' ogies to enhance quality of life ties, exploring the interaction eaningful activity. On the other study compares traditional ale living facilities and green

Art can be a way to connect and improve well-being

spaces. This encompasses not only the physical elements such as signage and furniture but also considers the broader spatial and sensory experience.

For people with dementia, it is important to remain socially engaged (Wilson et al., 2007). Social interaction is often one of their primary needs and the lack of it can even lead to the development of dementia (Wilson et al., 2007). However, as dementia progresses, the ability to initiate social contact independently, declines. Apathy and social isolation are common with people suffering from dementia and have a of the foundational studies for my research is the FINGER study. This study examines preventive measures for cognitive decline and disability in individuals at risk for dementia, employing a comprehensive approach that includes lifestyle interventions such as diet, physical activity, cognitive training, and vascular risk monitoring. The aim is to enhance overall brain health and postpone the onset of cognitive impairment. Kitwood and Bredin (1992), Clarke et al. (2020), and Keyes (2007) are crucial studies that have been compared and incorporated into this research. Kitwood et al. (1992) establish 12 indicators for relative well-being, each closely tied care farms, examining how the physical environment is used in terms of location, engagement, and social interaction of residents.

Finally, I have also explored research that focuses on interior interventions for dementia. Gramegna's work emphasized a creative approach to building management and sensory rich environments for individuals with dementia. In contrast, Marquardt's (2011) paper specifically focuses on architectural wayfinding design in nursing homes, highlighting the critical influence of the floor plan on resident's spatial orientation

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IF ART HAS THE CAPACITY TO PROMOTE WELL-BEING AMONG PEOPLE SUFFERING FROM DEMENTIA

WHAT DOES THIS MEAN FOR **ARCHITECTURE**?





fieldwork / interviews / literature / case studies



fieldwork / interviews / literature / case studies



dementia well-being definition effect of art on dementia well-being





fieldwork / interviews / literature / case studies



dementia well-being definition effect of art on dementia well-being





fieldwork / interviews / literature / case studies

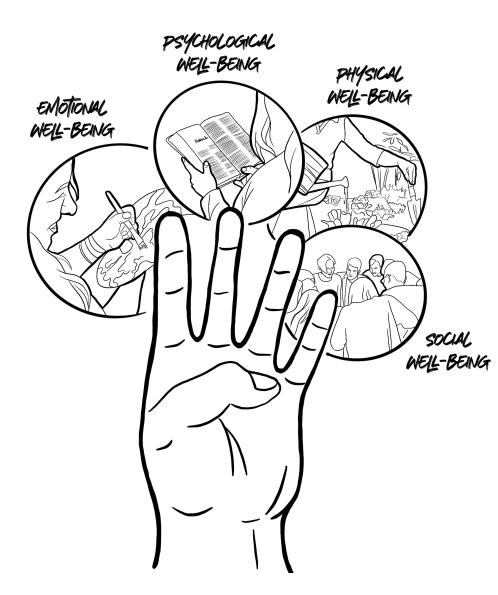


dementia well-being definition effect of art on dementia well-being



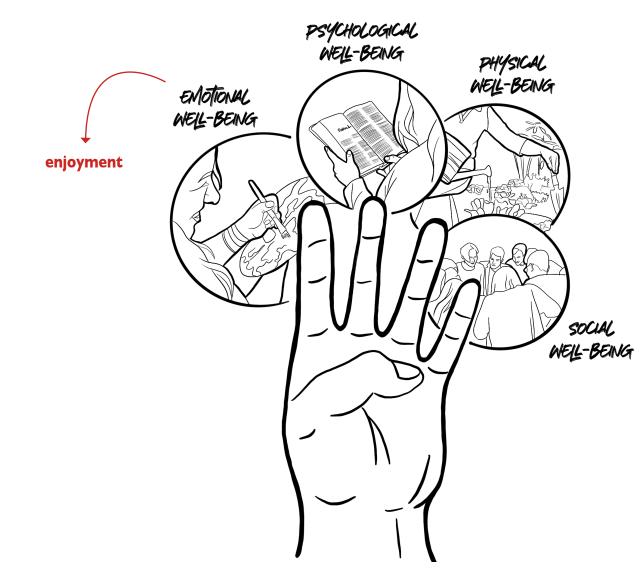
Research DEMENTIA WELL-BEING DEFINITION





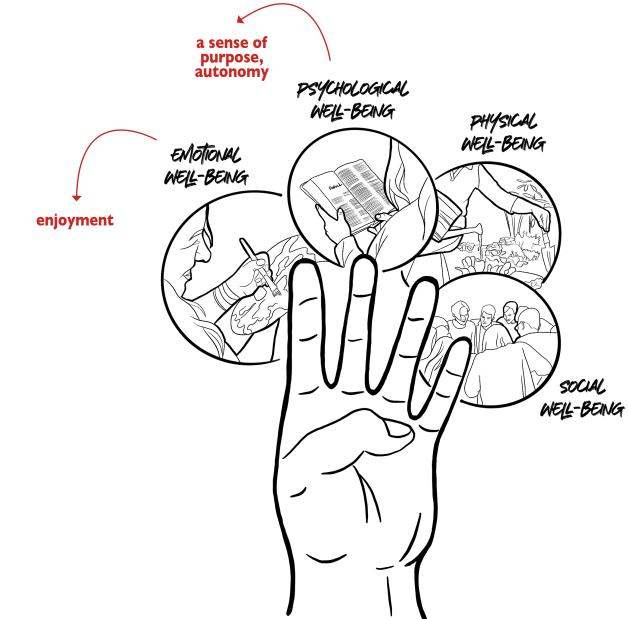
Research DEMENTIA WELL-BEING DEFINITION

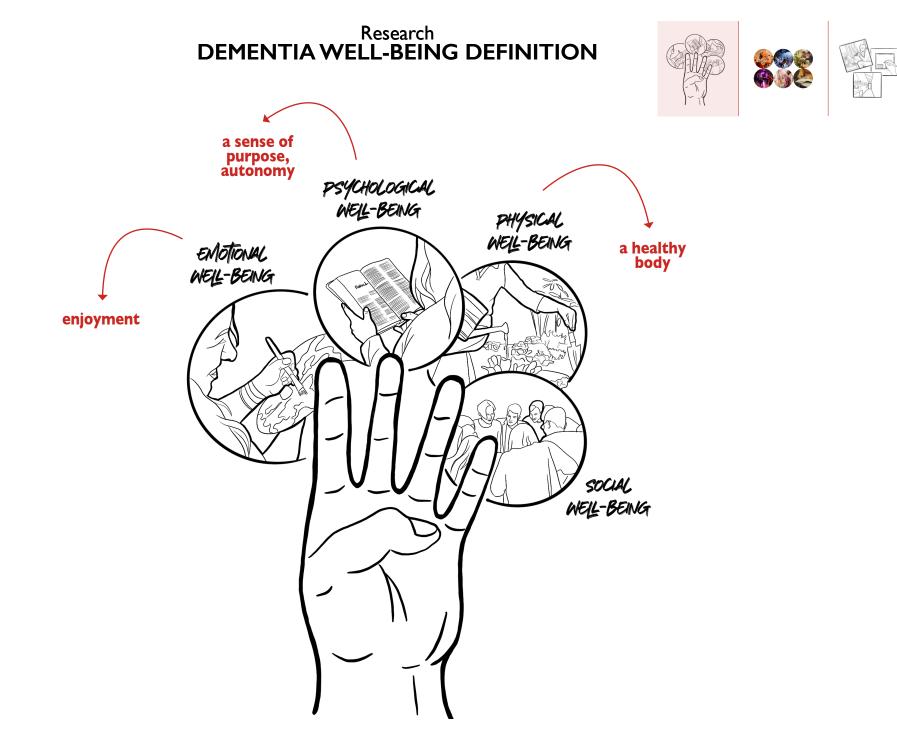


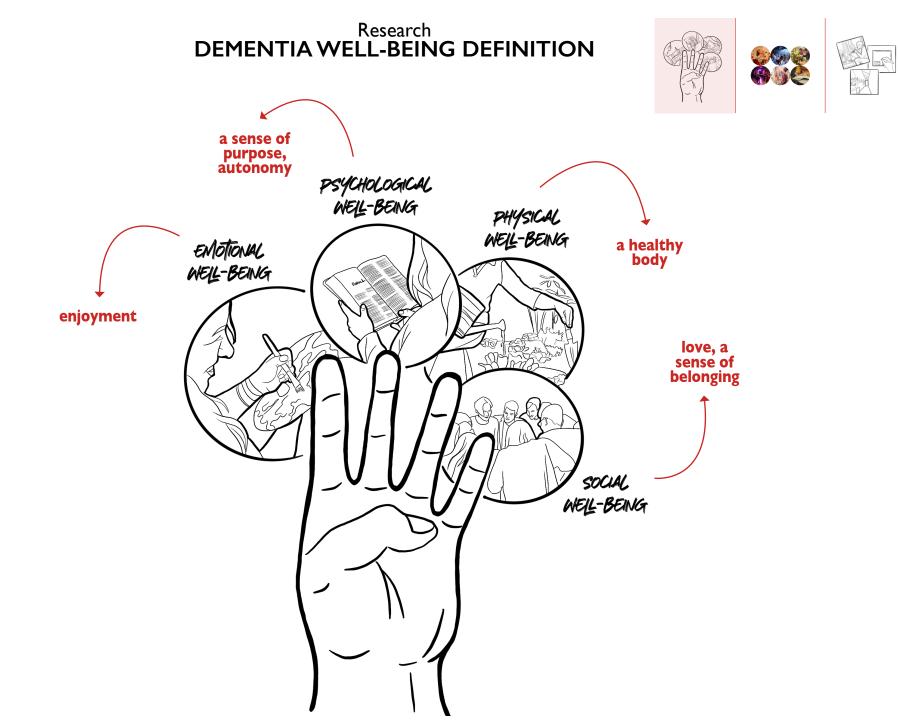


Research DEMENTIA WELL-BEING DEFINITION









Research EFFECT OF ART ON DEMENTIA WELL-BEING





Music



Drama & theatre



Cooking & gardening



Activity therapy



Visual arts and crafts



Poetry

Research EFFECT OF ART ON DEMENTIA WELL-BEING

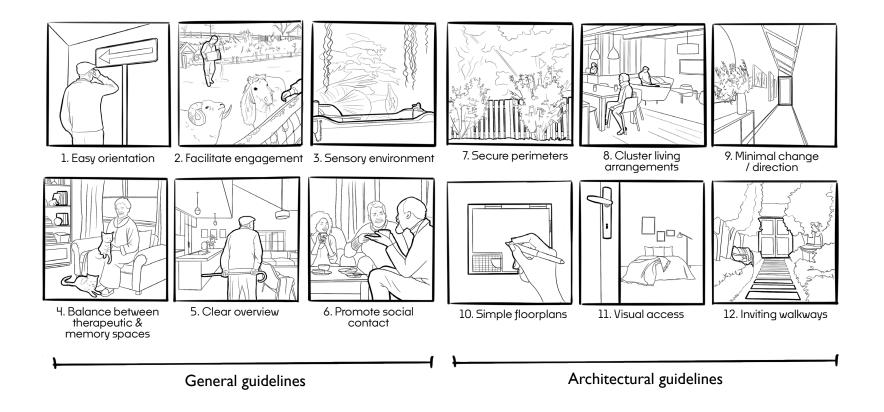


	Emotional well-being	Psychological well-being	Physical well-being	Social well-being
Music				
Visual arts & crafts				
Cooking & gardening				
Activity therapy				
Drama & theatre				
Poetry				

Great positive impact

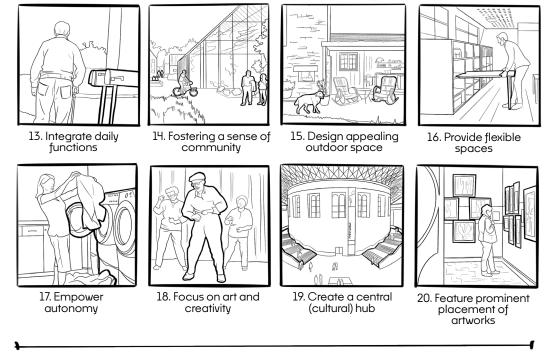


WHAT FACTORS SHOULD BE CONSIDERED WHEN DESIGNING A BUILDING FOR PEOPLE WITH DEMENTIA?





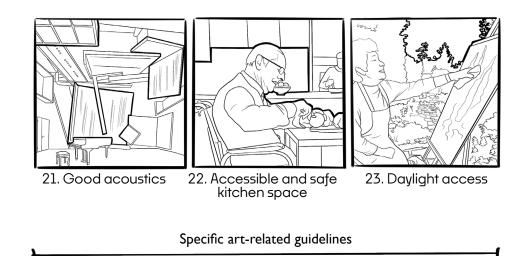
HOW CAN ART ASSIST PEOPLE WITH DEMENTIA IN ARCHITECTURE?



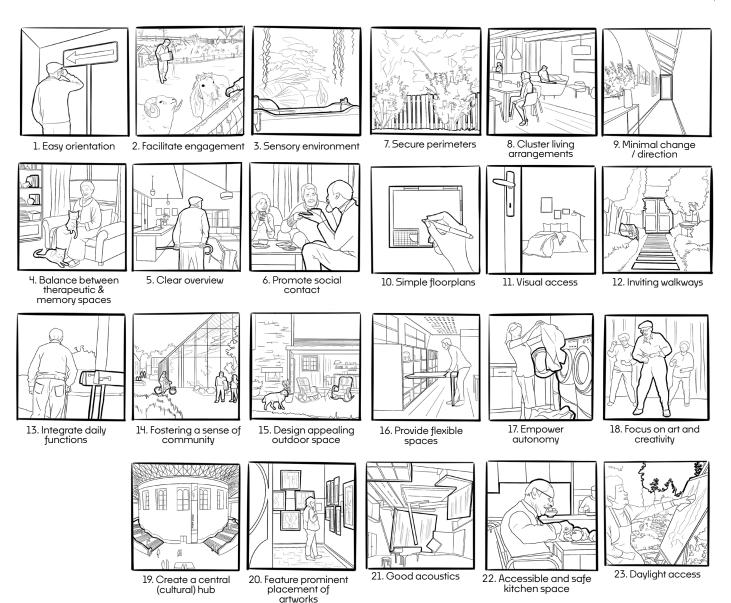
Additional art-related guidelines



WHAT SPECIFICALLY DO THE ART FORMS OF THIS RESEARCH NEED?







Research CONCLUSION



dementia well-being definition



effect of art on dementia well-being

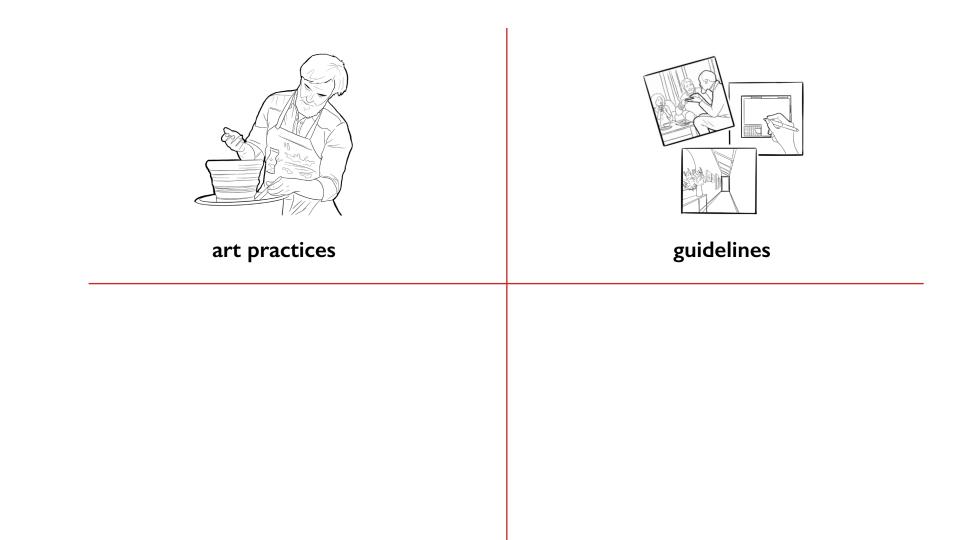


I. RESEARCH

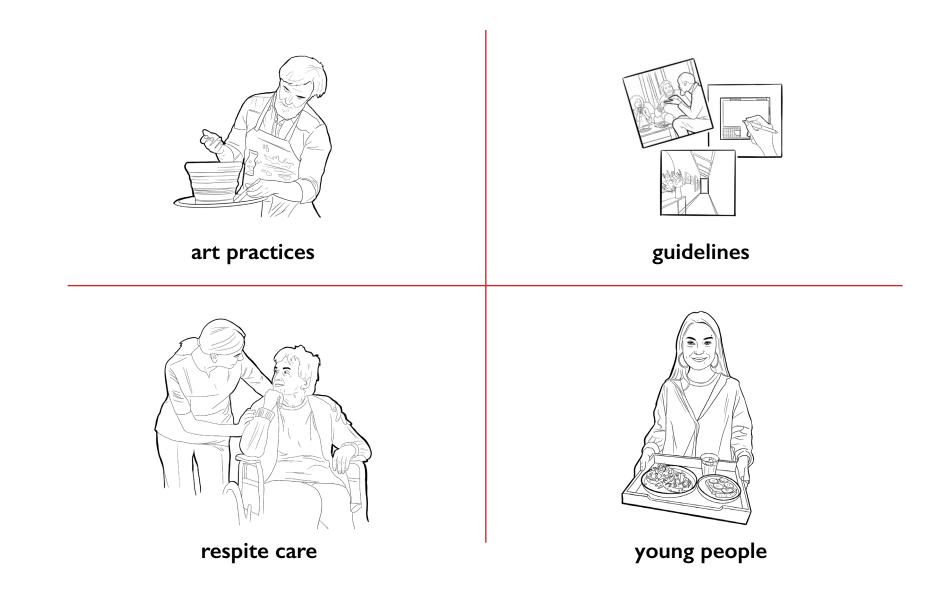
2. DESIGN BRIEF

3. CONCEPT

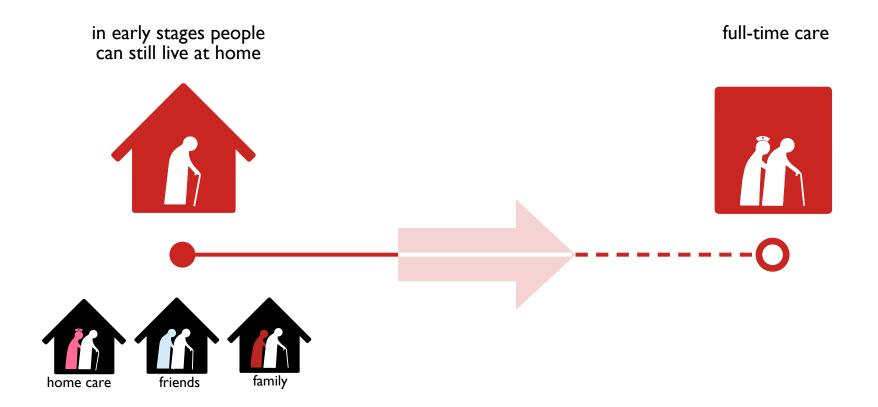
4. SITE 5. THE ACADEMY Design brief FOCUS



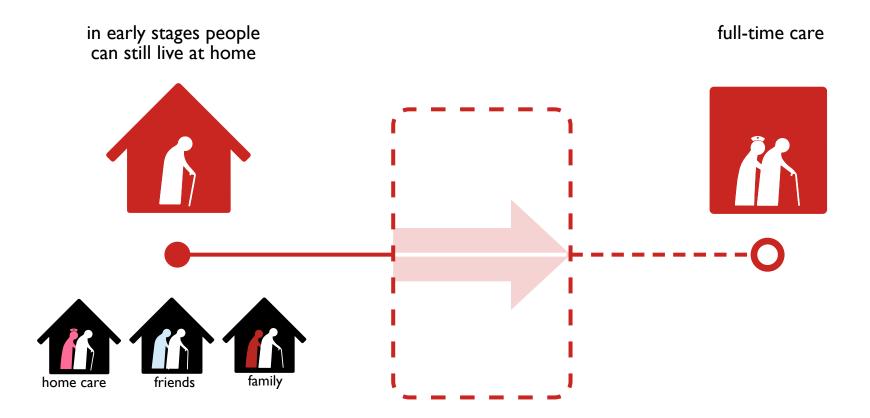
Design brief FOCUS



Design brief RESPITE CARE



Design brief RESPITE CARE



Design brief RESPITE CARE



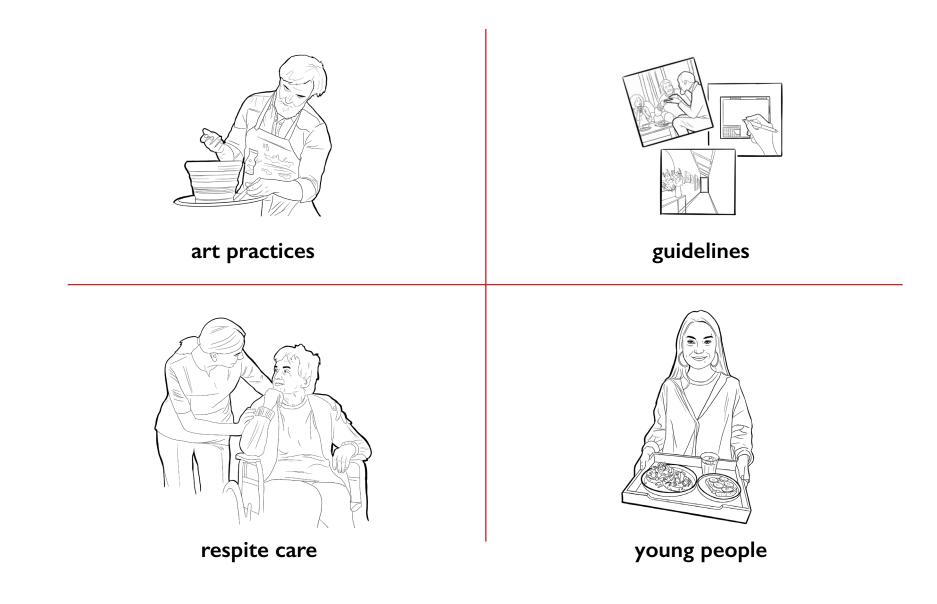
RESPITE CARE

temporary care

allows informal caregivers to recharge

enables people with dementia to live at home longer

Design brief FOCUS



Design brief YOUNG PEOPLE



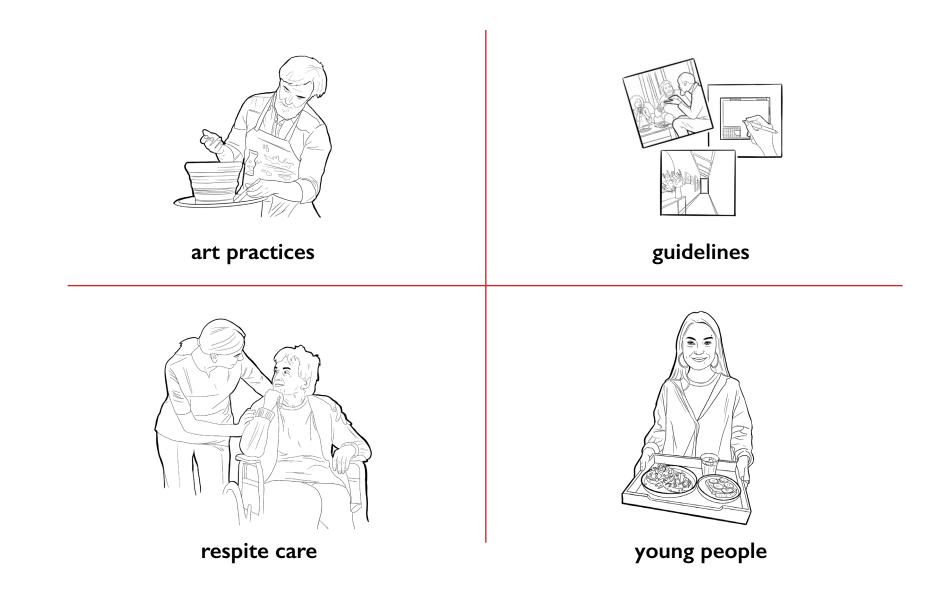
YOUNG PEOPLE

positive effect on people with dementia

gain knowledge about the disease

integrate people with dementia into society

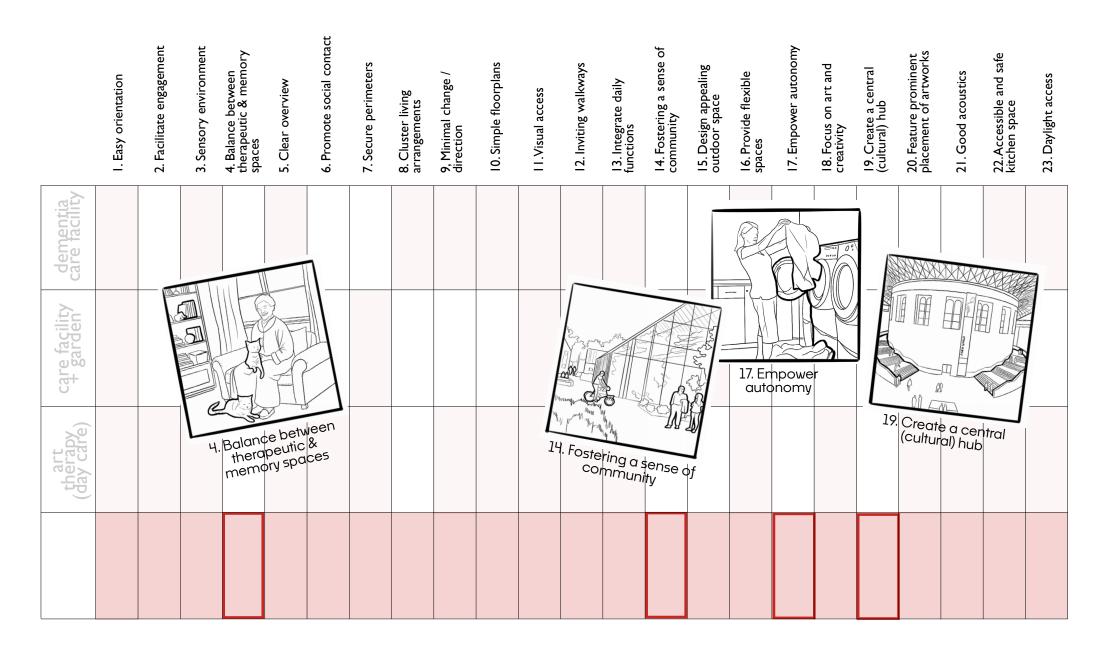
Design brief FOCUS



Design brief DESIGN GUIDELINES IMPLEMENTATION

	I. Easy orientation	2. Facilitate engagement	3. Sensory environment	 Balance between therapeutic & memory spaces 	5. Clear overview	6. Promote social contact	7. Secure perimeters	8. Cluster living arrangements	9, Minimal change / direction	10. Simple floorplans	11.Visual access	12. Inviting walkways	13. Integrate daily functions	14. Fostering a sense of community	15. Design appealing outdoor space	16. Provide flexible spaces	17. Empower autonomy	18. Focus on art and creativity	19. Create a central (cultural) hub	20. Feature prominent placement of artworks	21. Good acoustics	22.Accessible and safe kitchen space	23. Daylight access
dementia care facility																							
care facility garden																							
therapy (day care)																							

Design brief DESIGN GUIDELINES IMPLEMENTATION



I. RESEARCH 2. DESIGN BRIEF

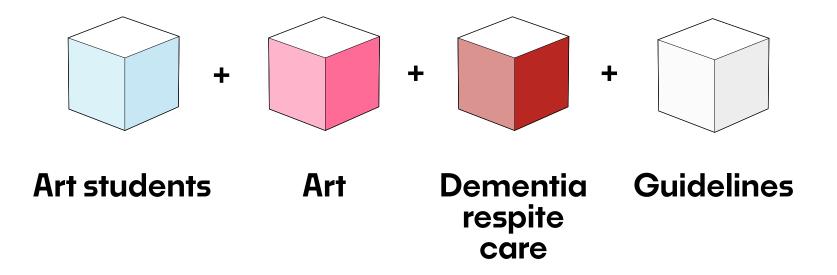
3. CONCEPT

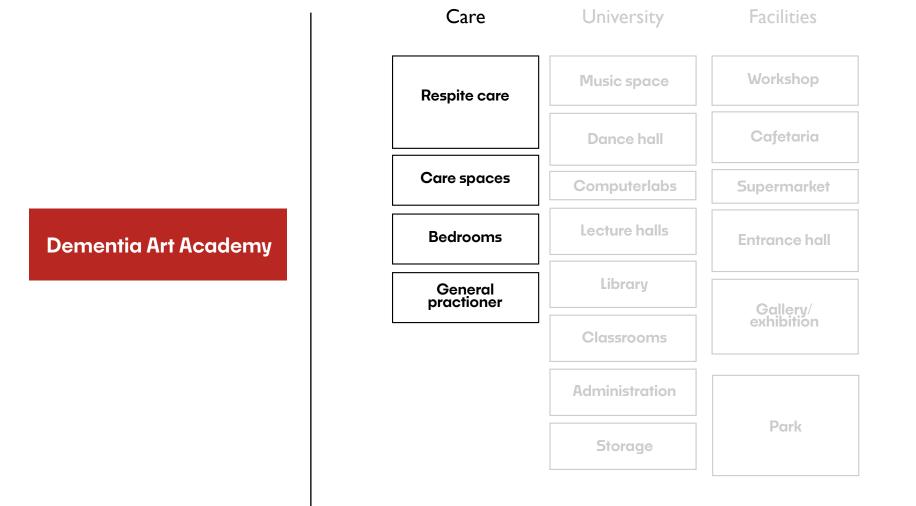
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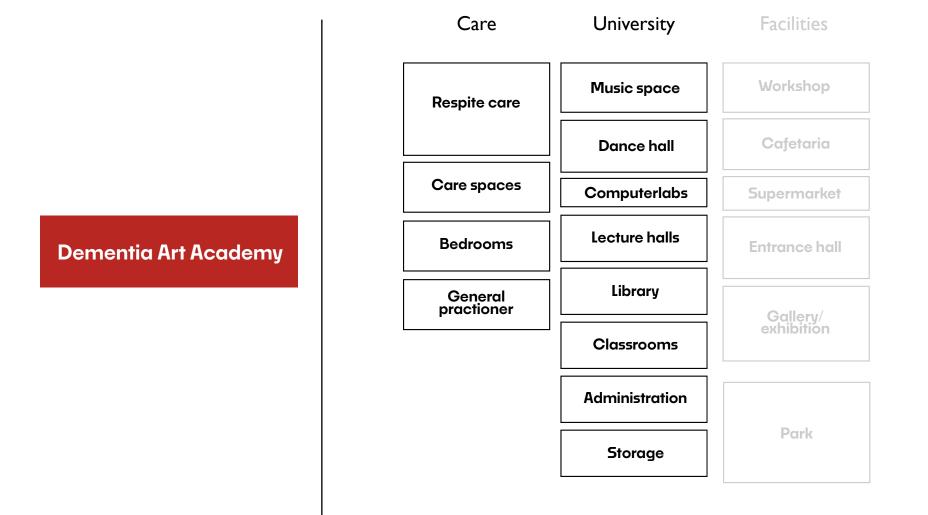
DEMENTIA AR ACADEMY

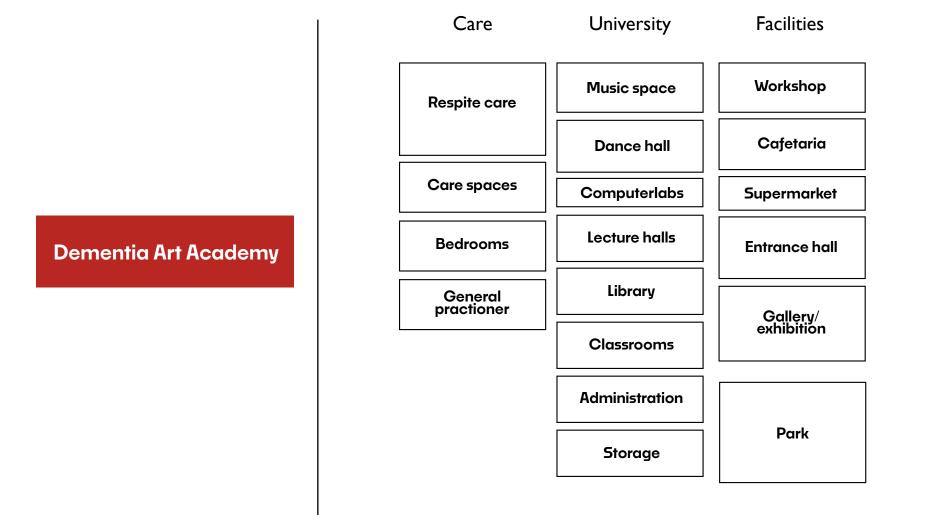


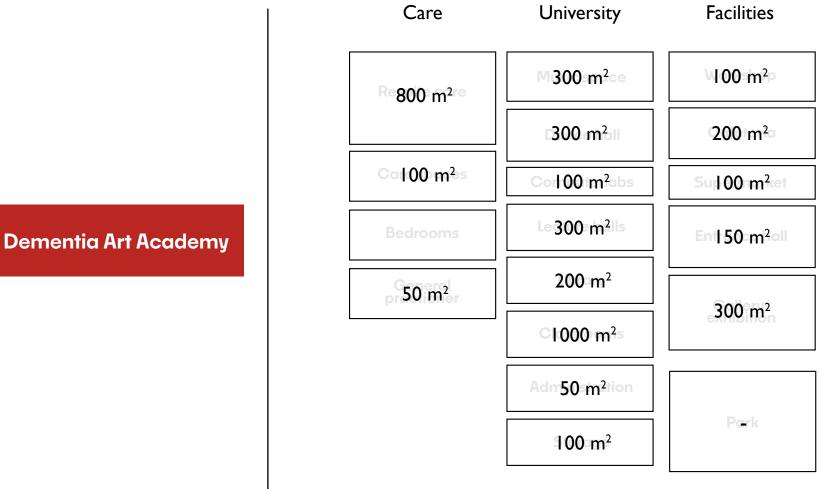








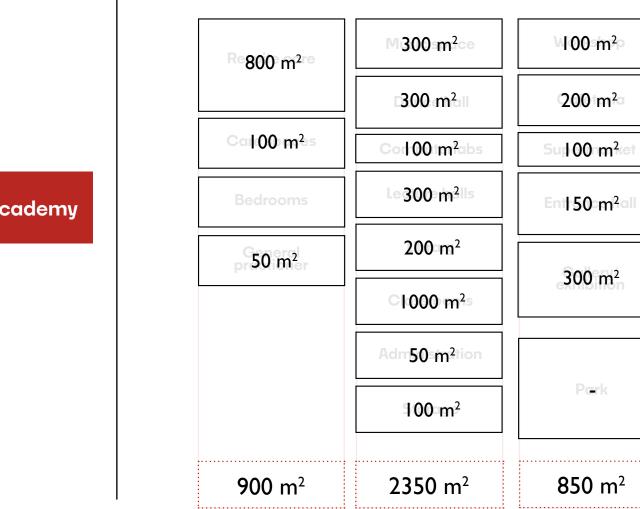




Care

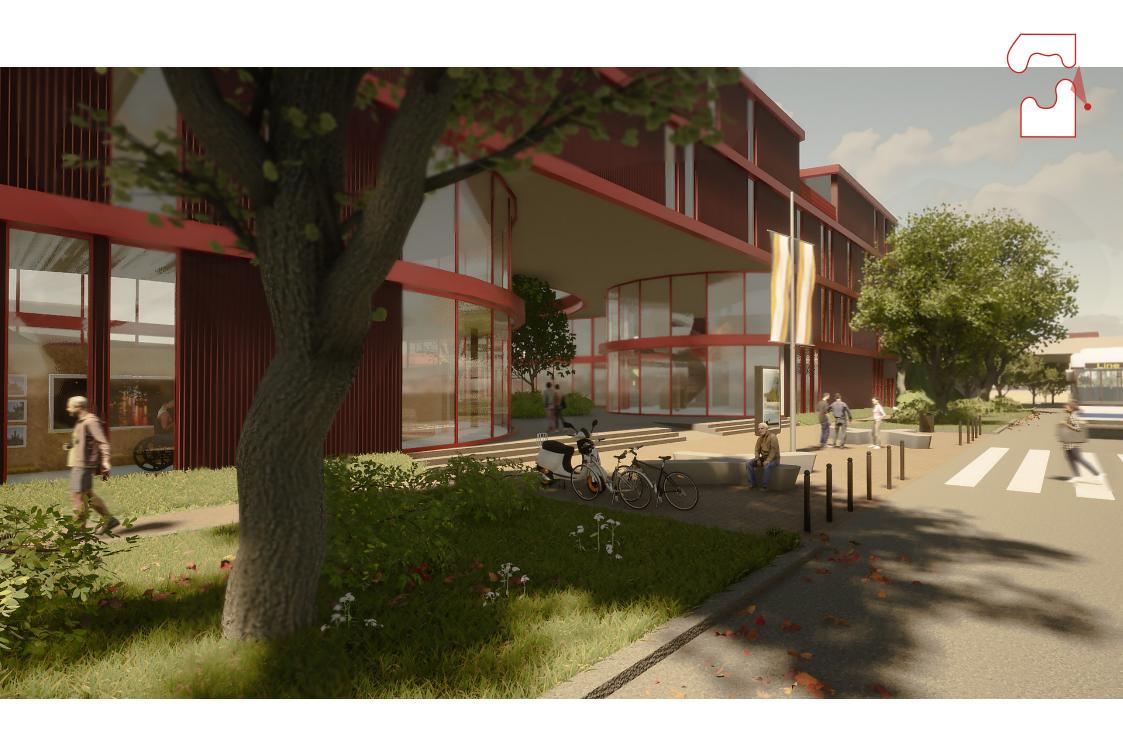
University

Facilities



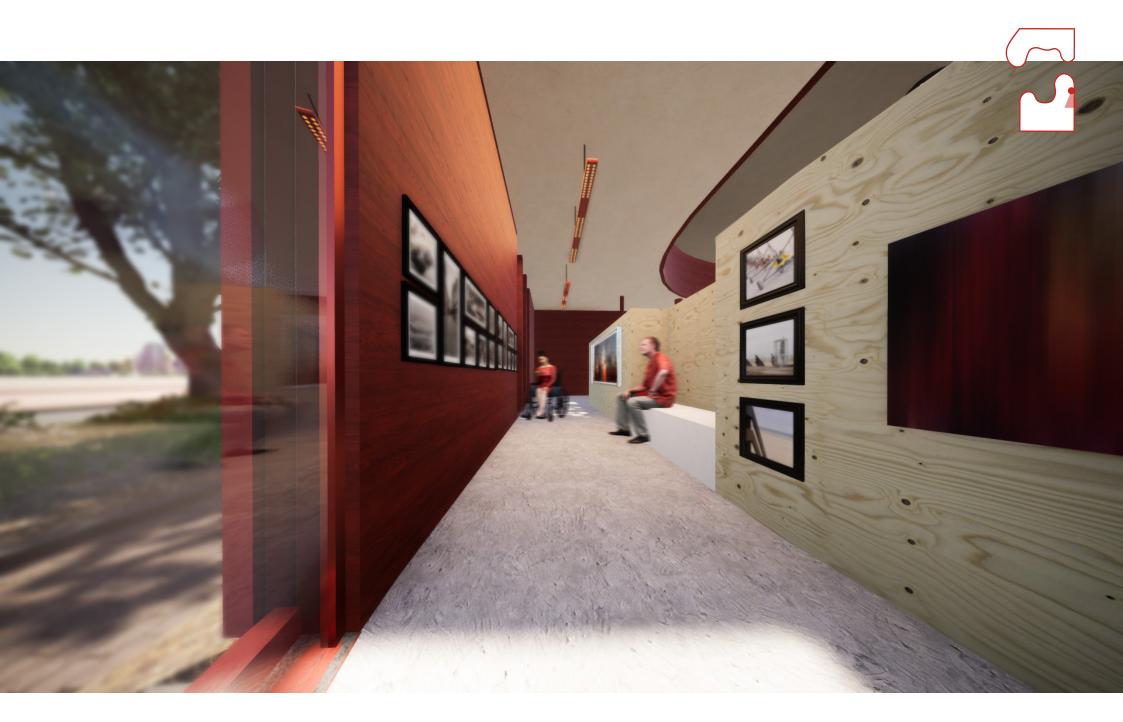
Dementia Art Academy

















I. RESEARCH
2. DESIGN BRIEF
3. CONCEPT
4. SITE
5. THE ACADEMY

Site NATIONAL SCALE



THE NETHERLANDS, SOUTH-HOLLAND

Site CITY SCALE



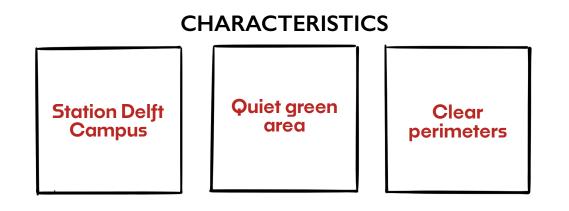
SOUTH-HOLLAND, DELFT

Site CITY SCALE - CHOICE

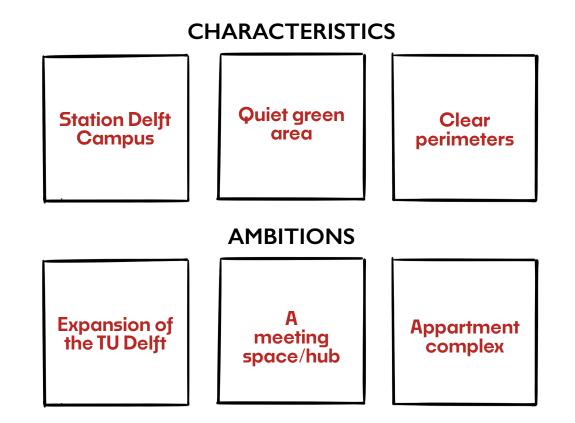


SOUTH-HOLLAND, DELFT

SITE AMBITIONS & CHARACTERISTICS



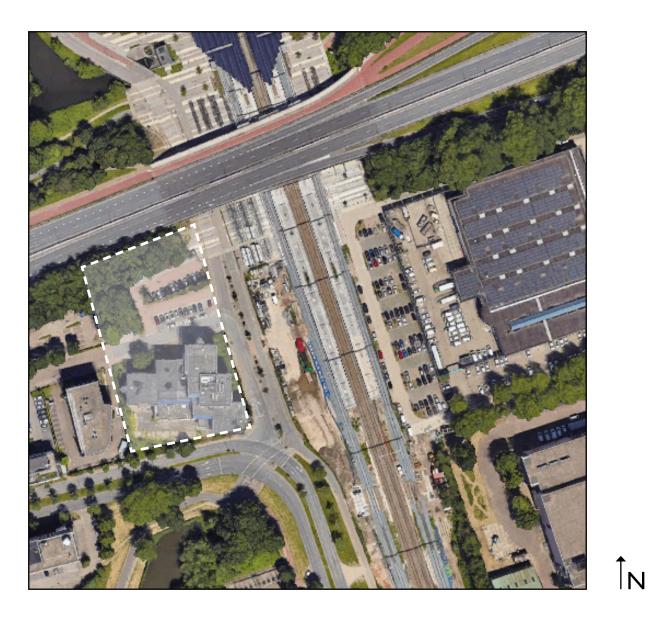
SITE AMBITIONS & CHARACTERISTICS

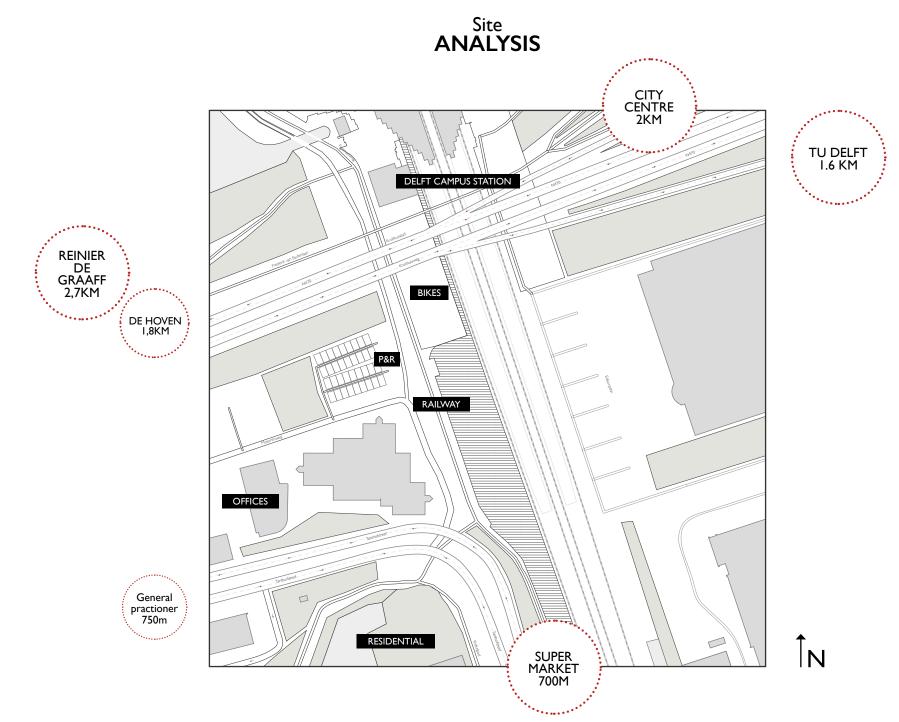




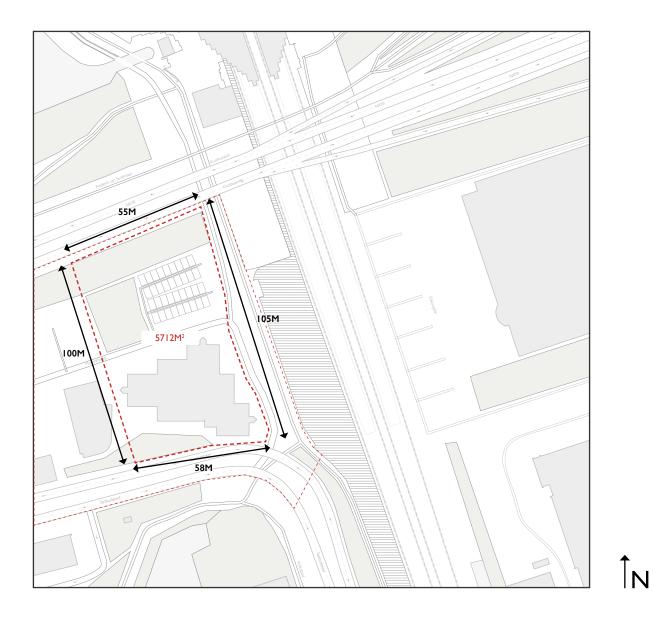


Site ANALYSIS

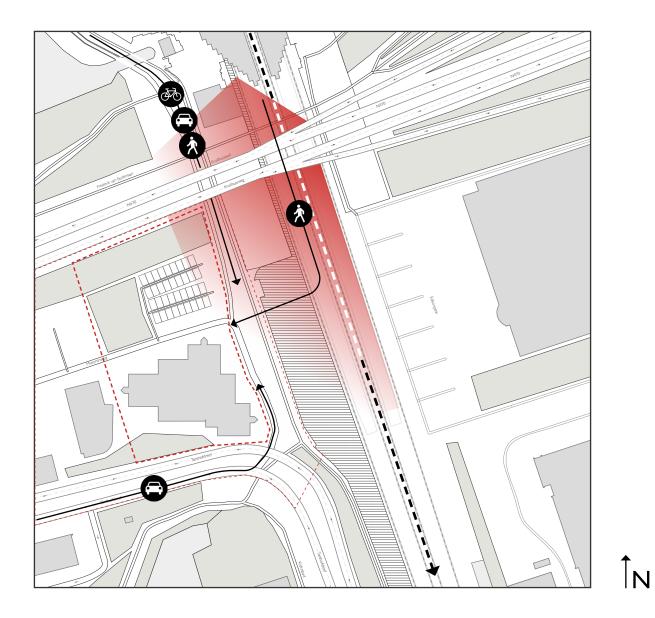




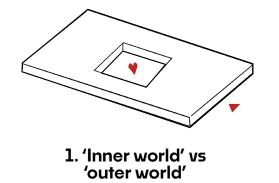
Site SPECIFICATIONS

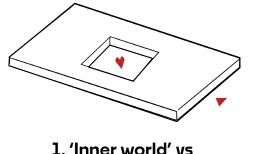


Site TRANSPORT

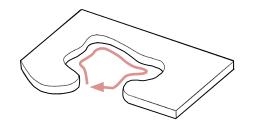


RESEARCH
 DESIGN BRIEF
 CONCEPT
 SITE
 SITE
 THE ACADEMY

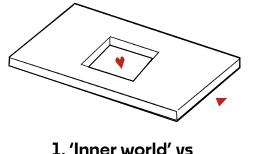




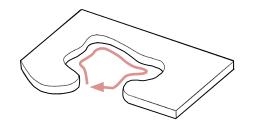
1. 'Inner world' vs 'outer world'



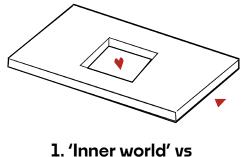
2. Safe & clear perimeters



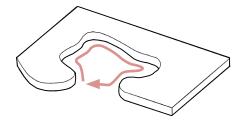
1. 'Inner world' vs 'outer world'



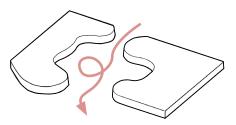




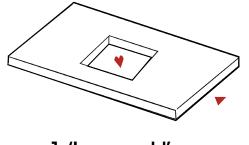
1. 'Inner world' vs 'outer world'



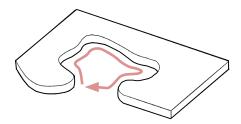
2. Safe & clear perimeters



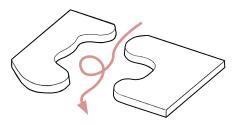
3. Engaging & healthy environments



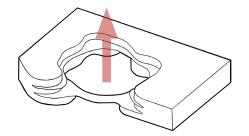
1. 'Inner world' vs 'outer world'



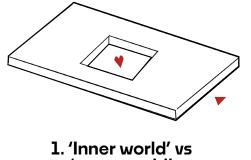
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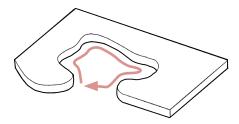
3. Engaging & healthy environments



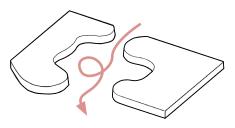
4. Integration of living and learning



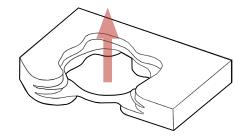
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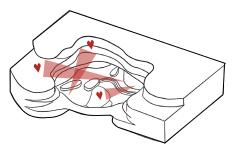
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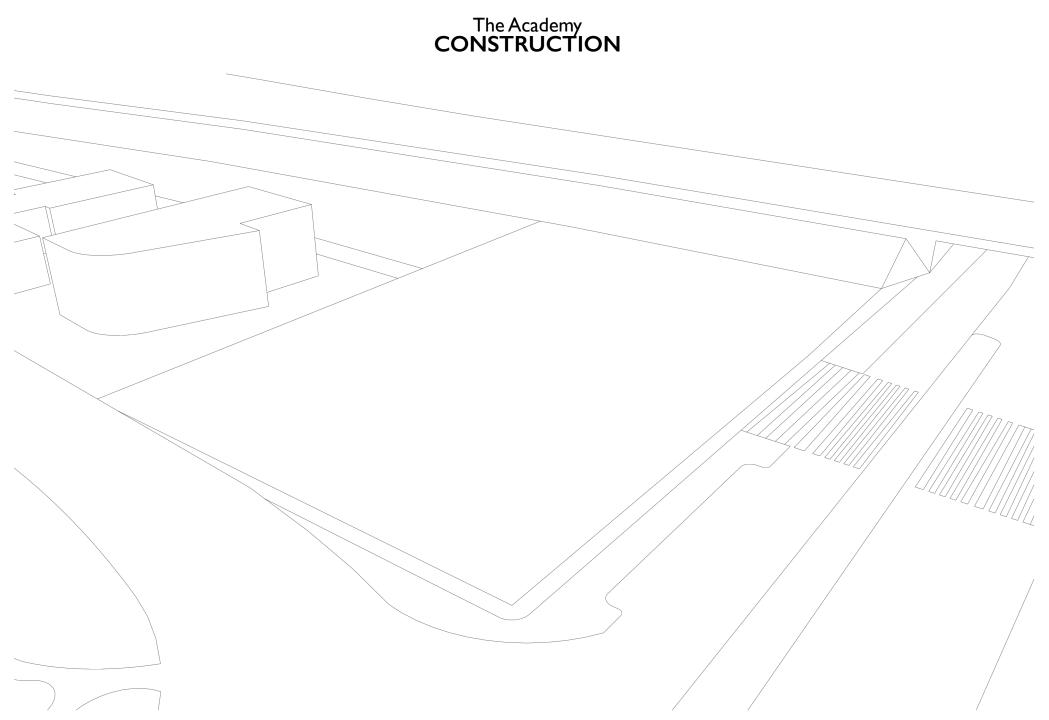
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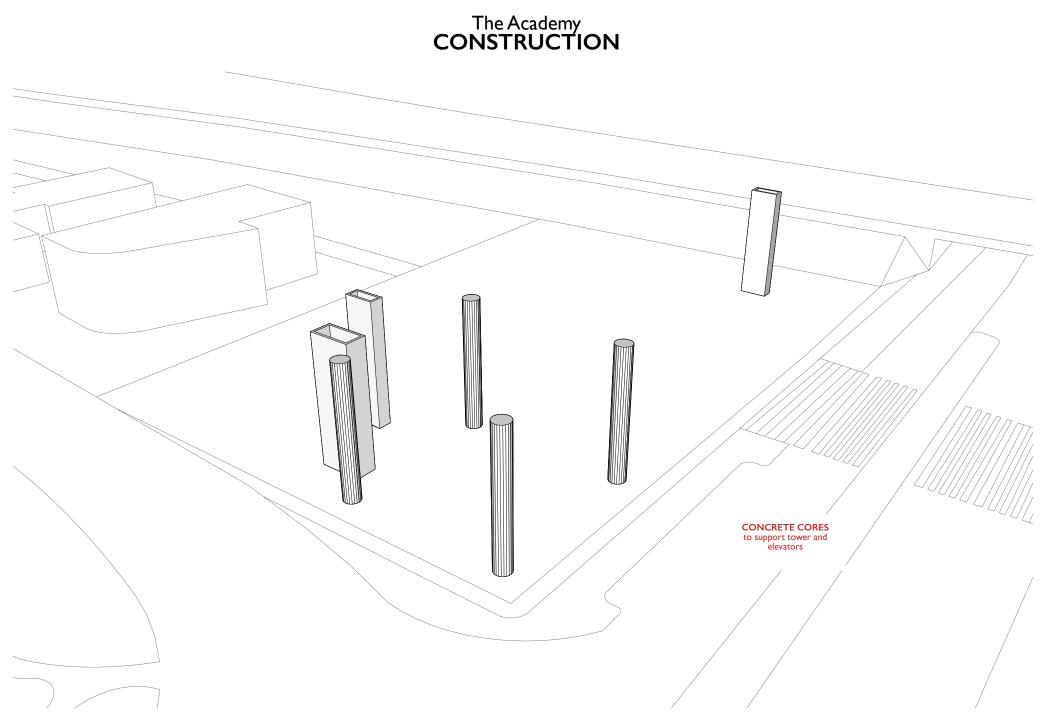


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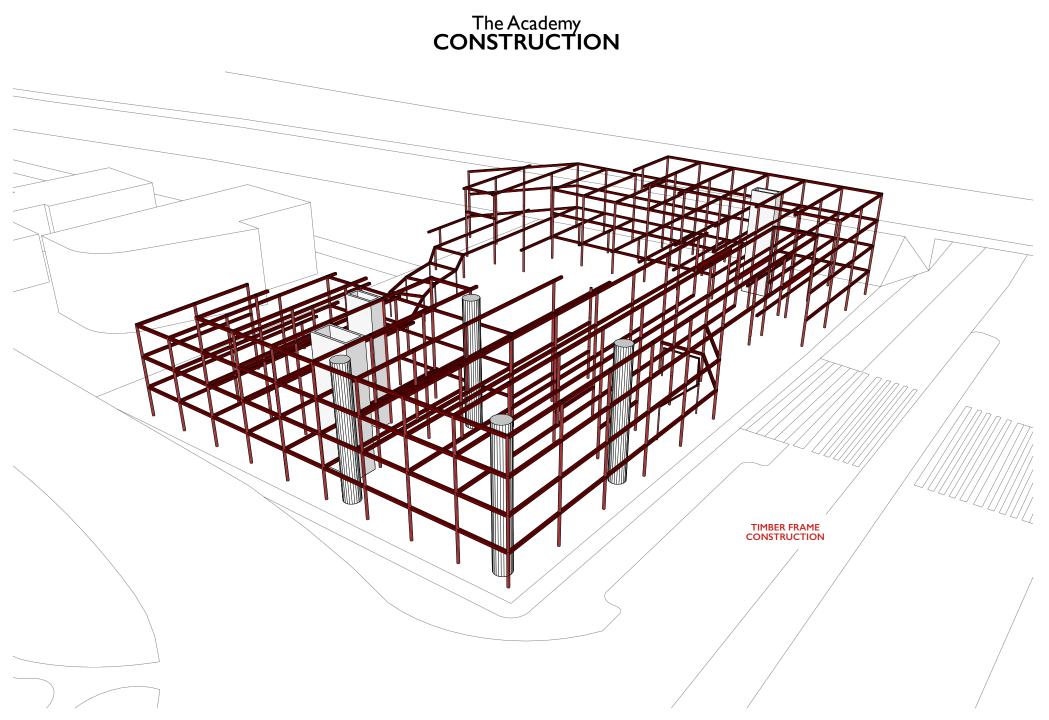


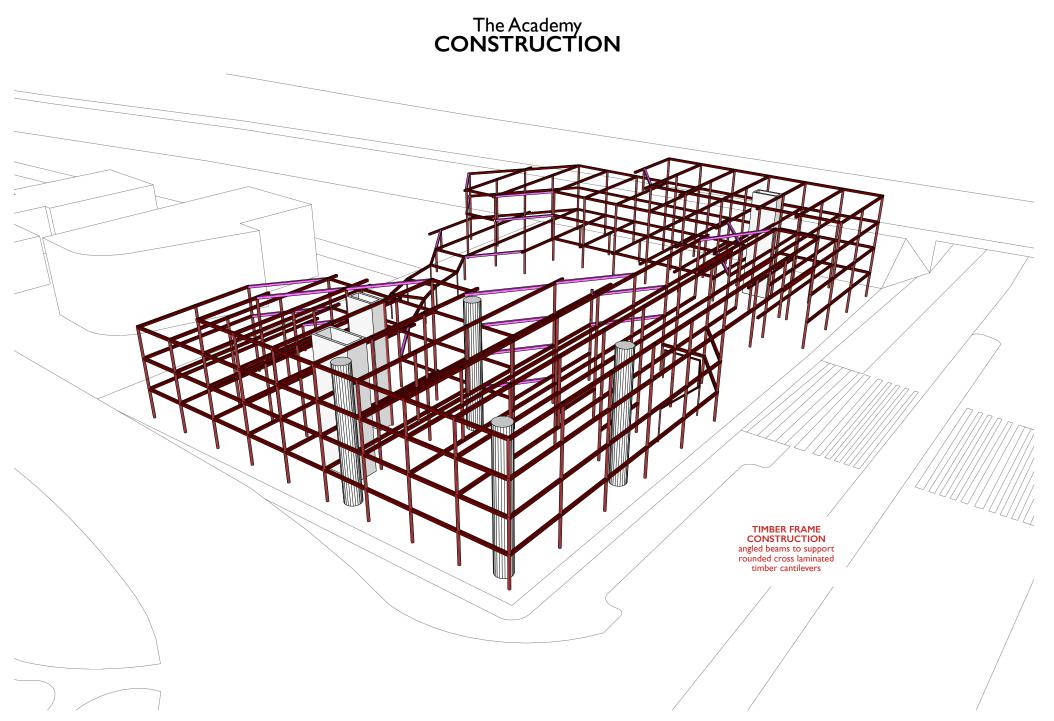
5. 'Art as the red thread'

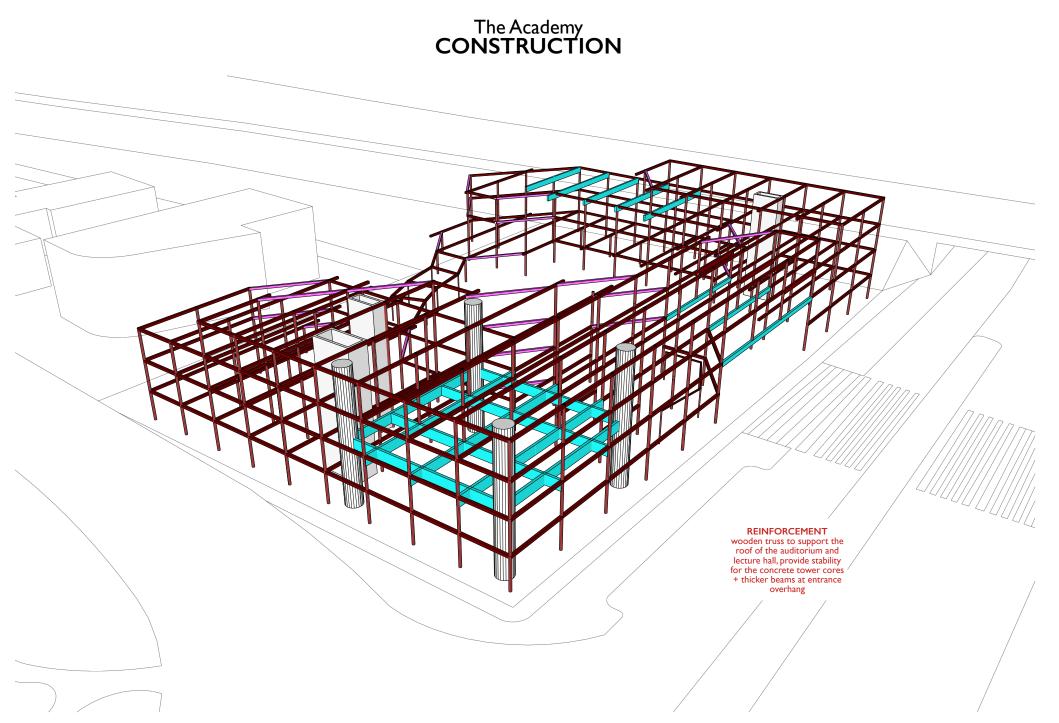


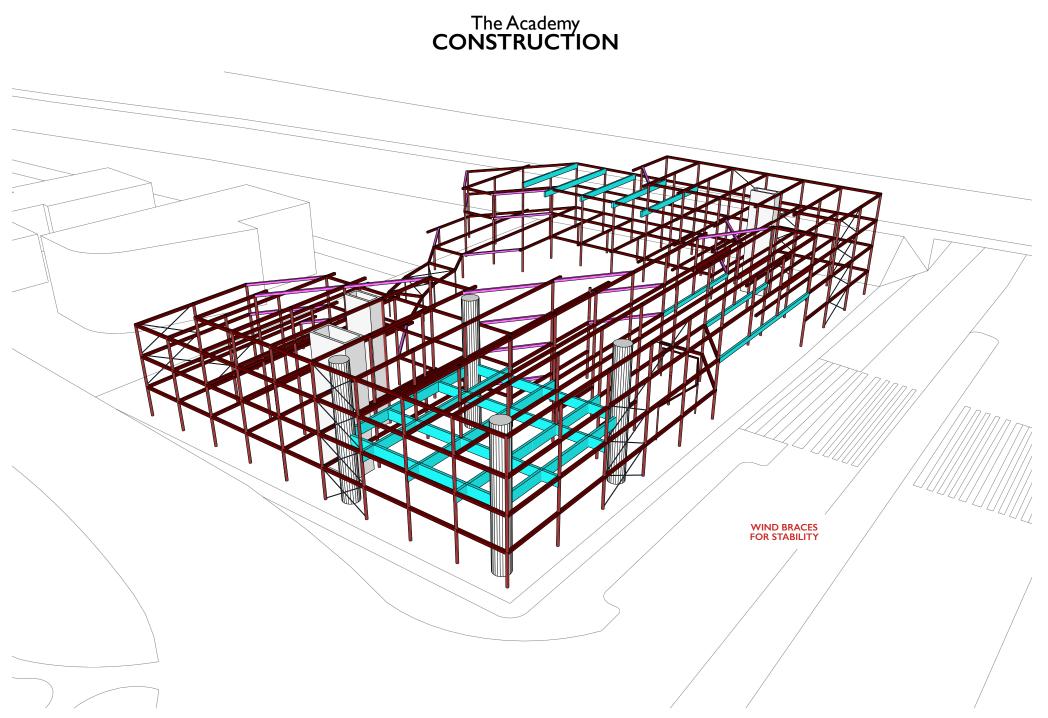


Health & Care Dwelling Studio





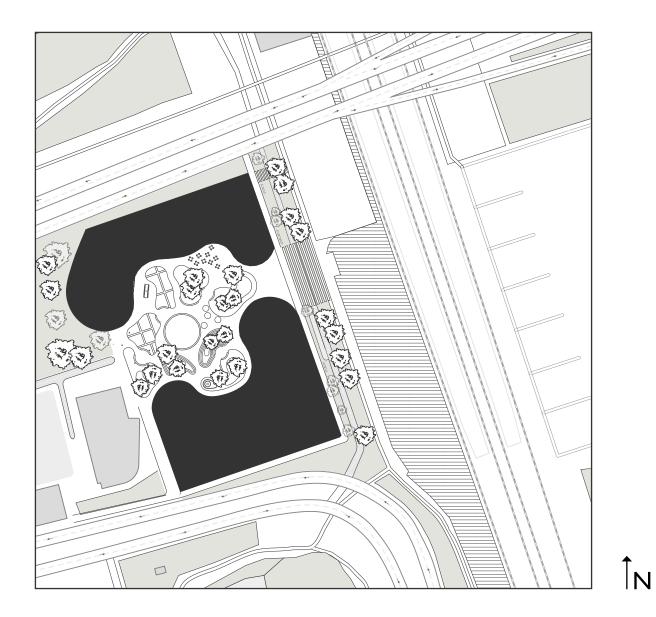




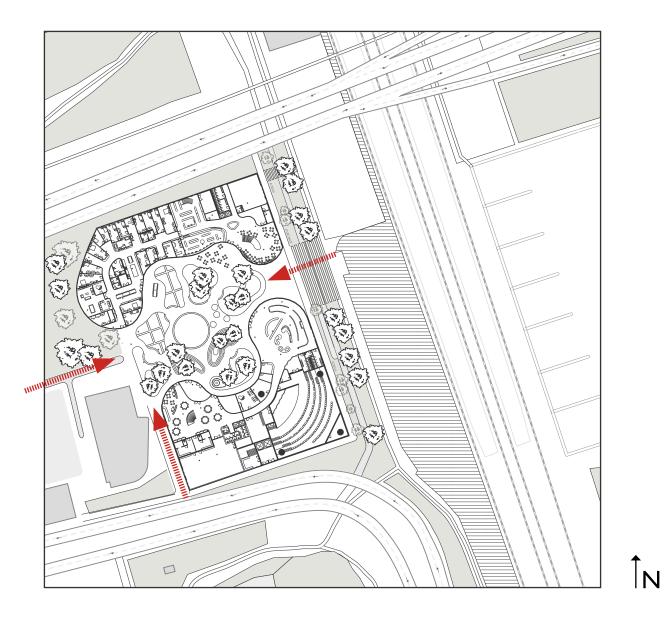




The Academy MASTERPLAN

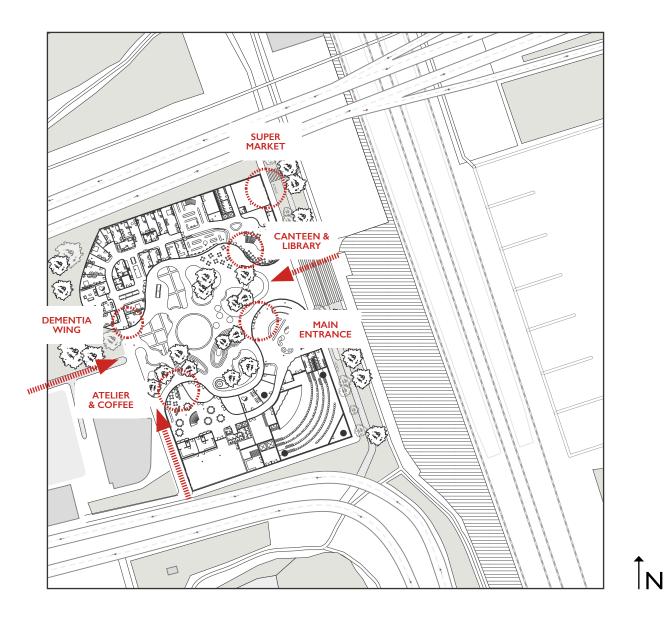


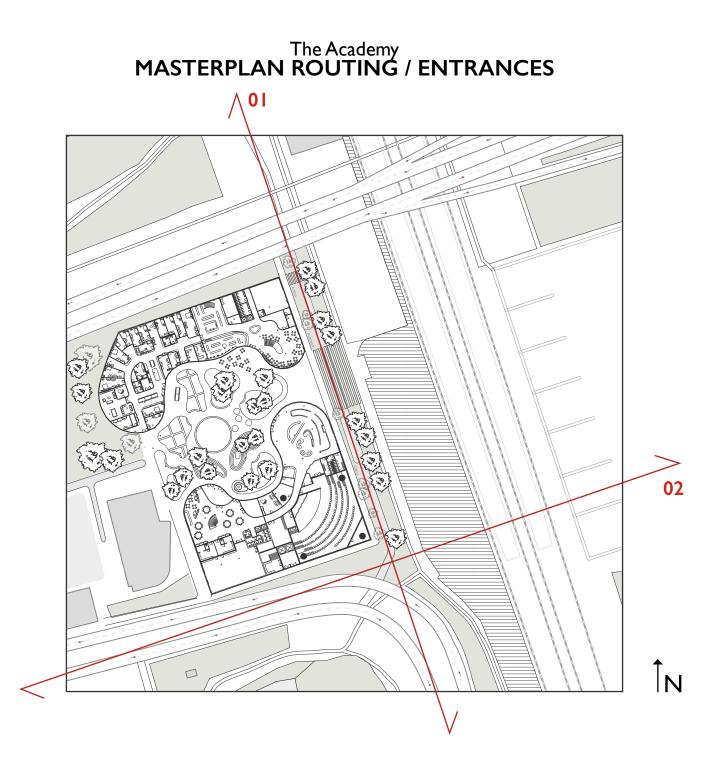
The Academy MASTERPLAN ROUTING



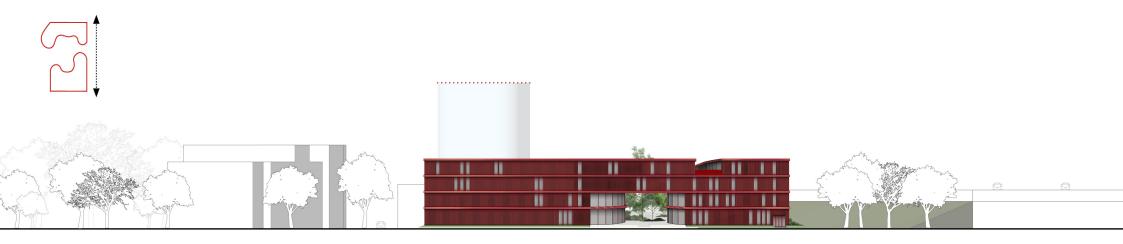
Health & Care Dwelling Studio

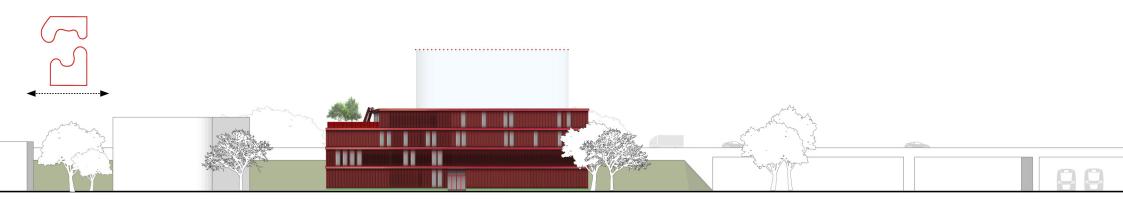
The Academy MASTERPLAN ROUTING / ENTRANCES



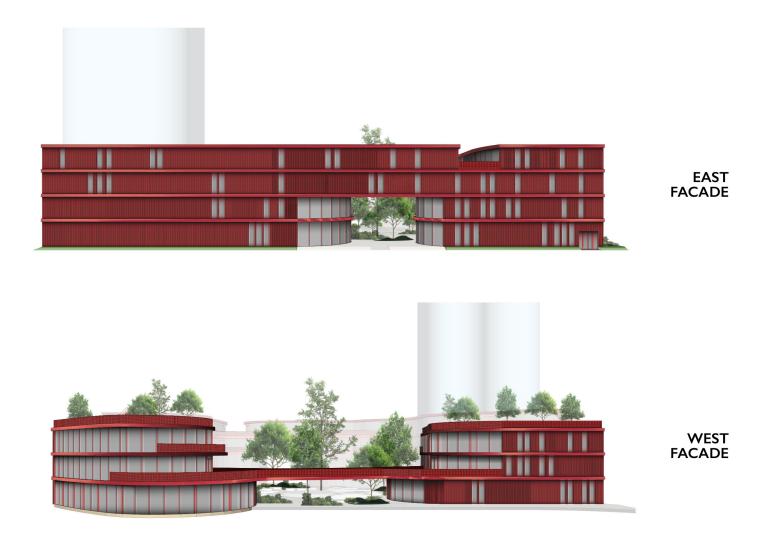


The Academy URBAN SECTION

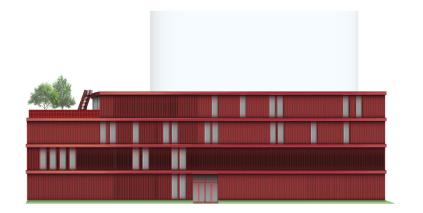




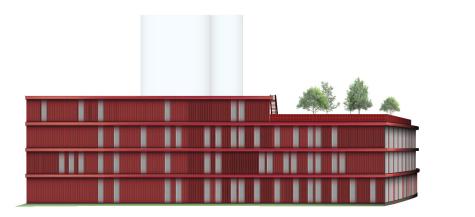




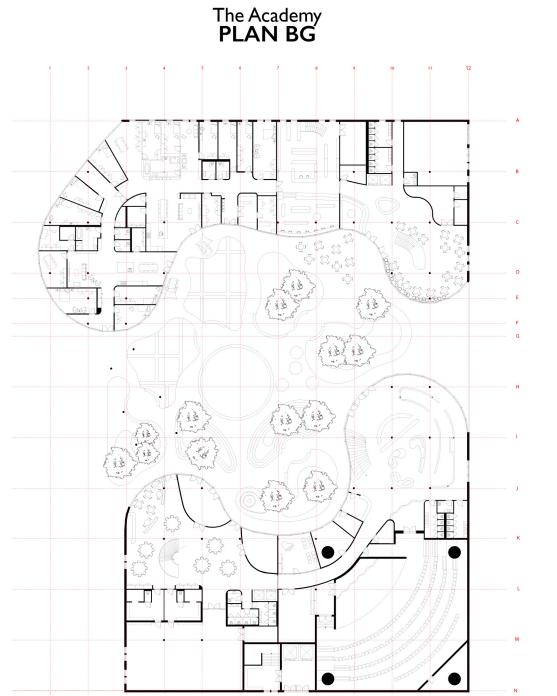


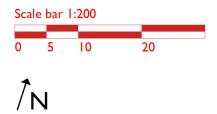


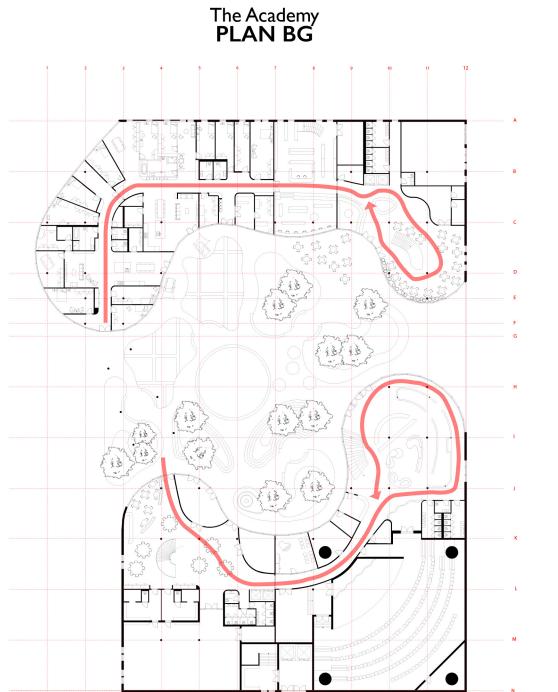


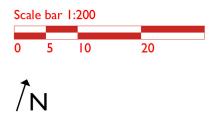


NORTH FACADE

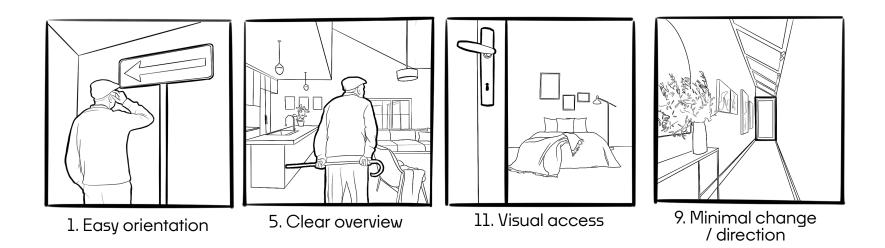


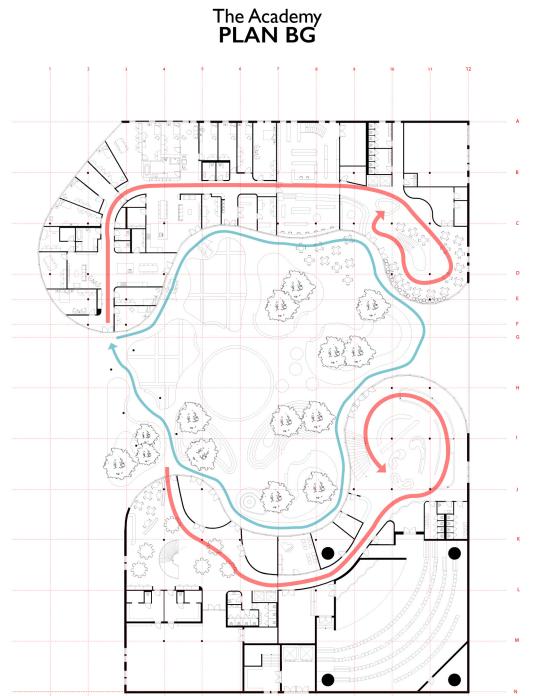


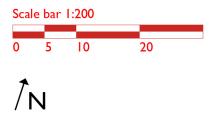


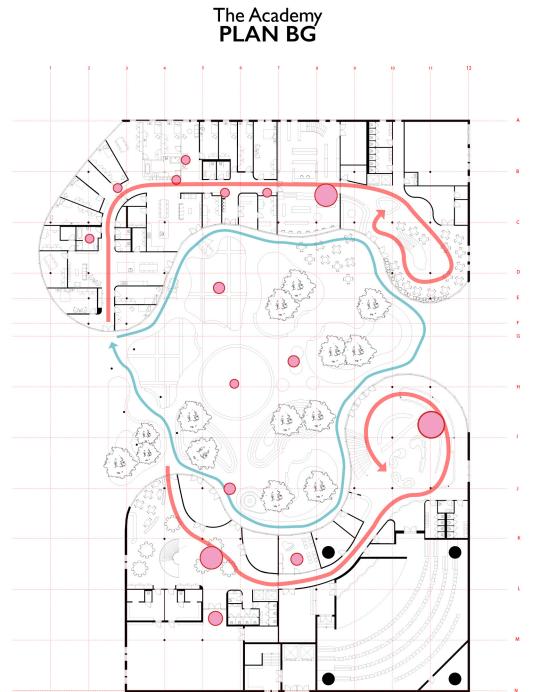


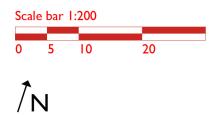
The Academy PLAN BG - GUIDELINES



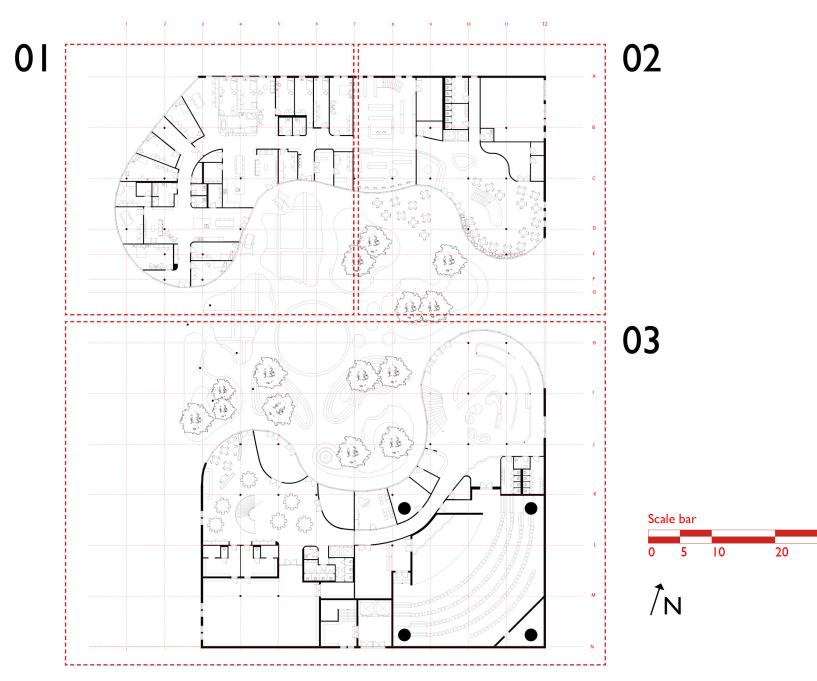




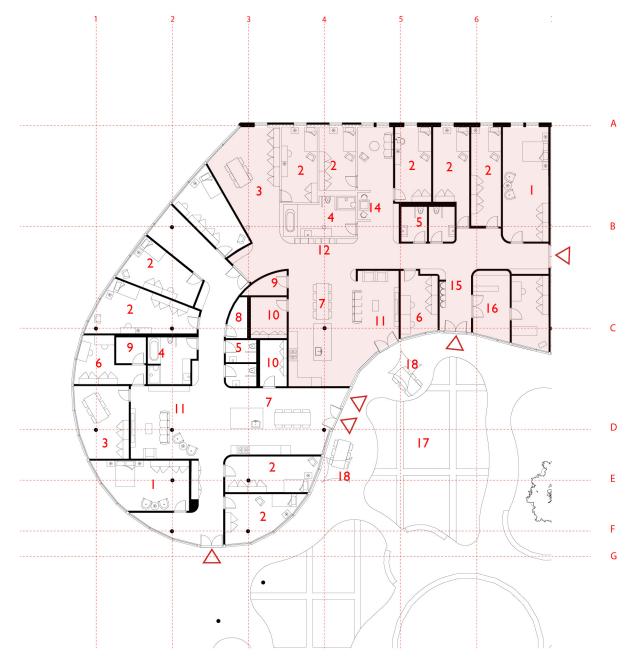




The Academy PLAN BG



The Academy PLAN BG 01

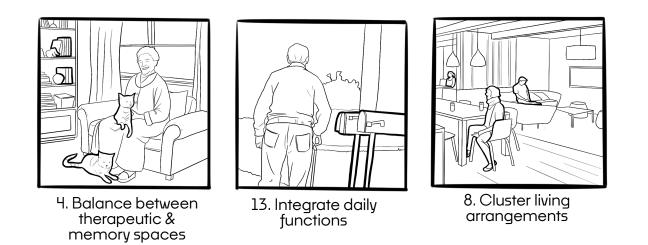


LEGEND Dementia wing (2 seperate departments)

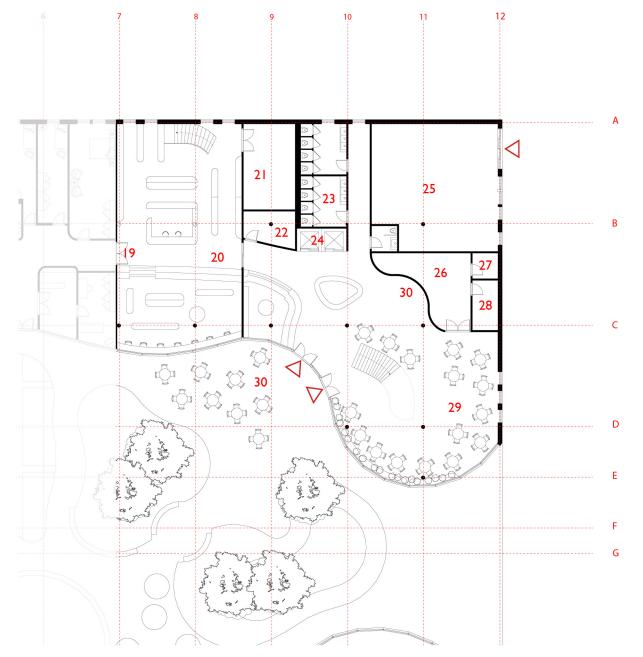
Double bedroom (x2)
 Single bedroom (x10)
 Art (therapy) room
 Bathroom (x2)
 Toilets seperate(x4)
 Staff room
 Open kitchen with dining area
 Storage
 Technical area
 Kitchen storage with cooling room
 Living area (TV)
 Seperate dining space
 Boardgame area
 Waiting room
 General practitioner
 Vegetable gardens
 Outside dining space

Scale bar	•	
0	5	10
ĺΝ		

The Academy PLAN BG - GUIDELINES

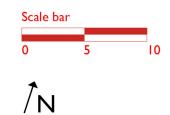


The Academy PLAN BG 02

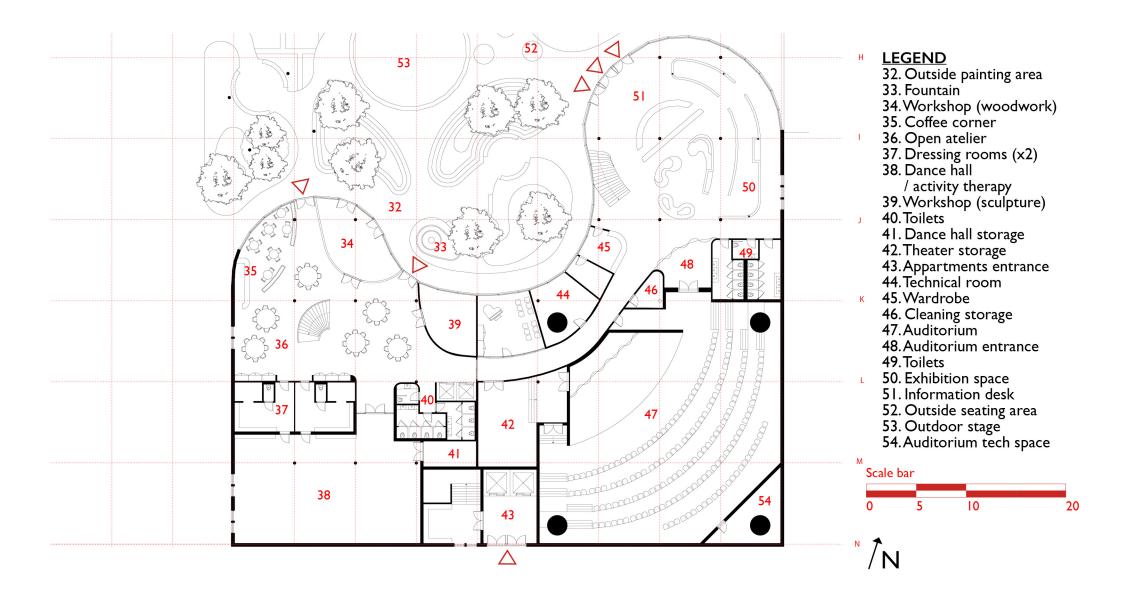


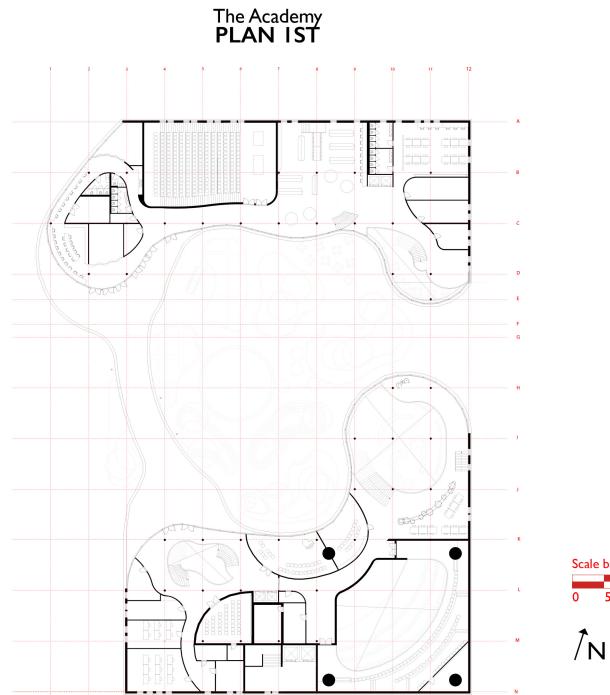
<u>LEGEND</u>

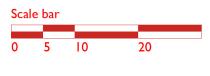
- 19. Entrance dementia wing
 20. Open library (1)
 21. Library storage
 22. Cleaning storage
 23. Toilets (x2)
 24. Elevators
 25. Supermarket (public)
 26. Kitchen
 27. Cooling area
 28. Dishwashing kitchen
 29. Canteen
 30. Buffet
- 31. Outside terrace

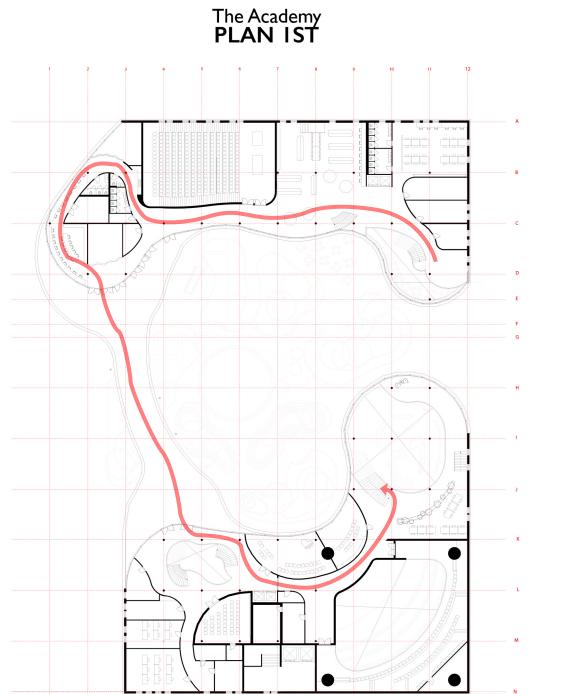


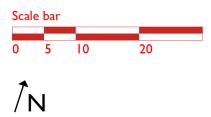
The Academy PLAN BG 03

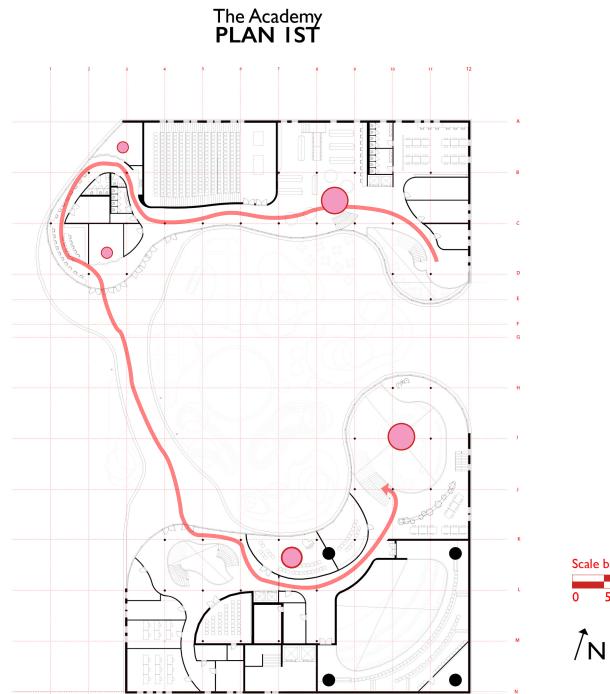


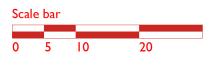




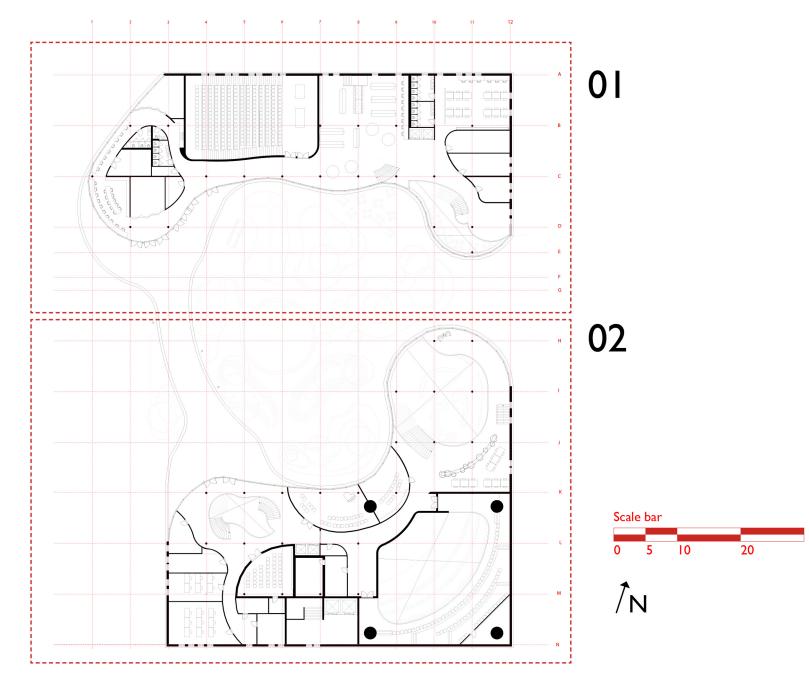




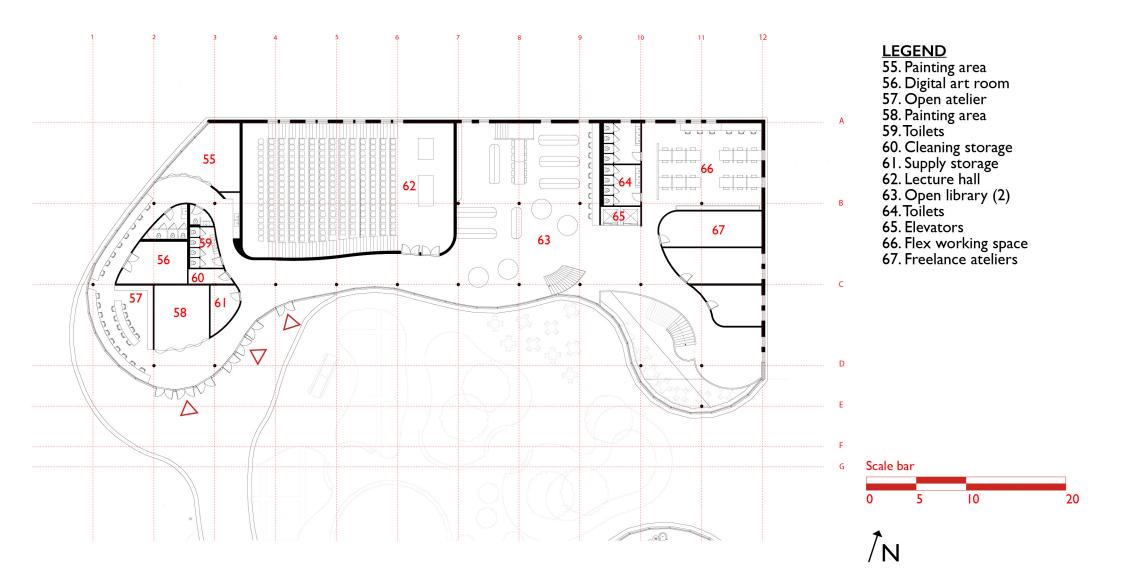




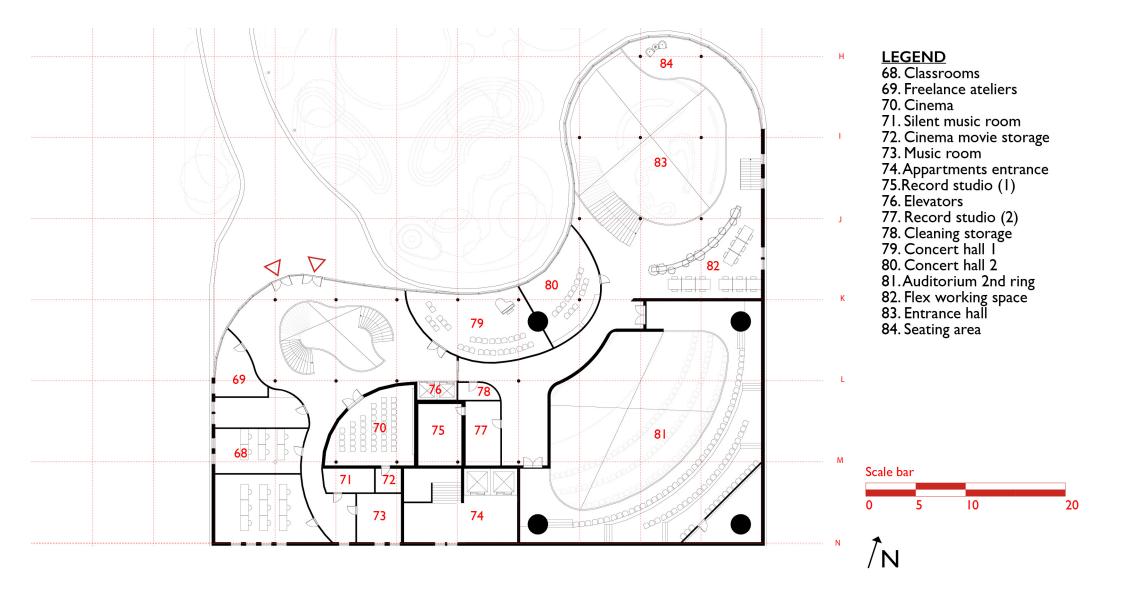
The Academy PLAN IST



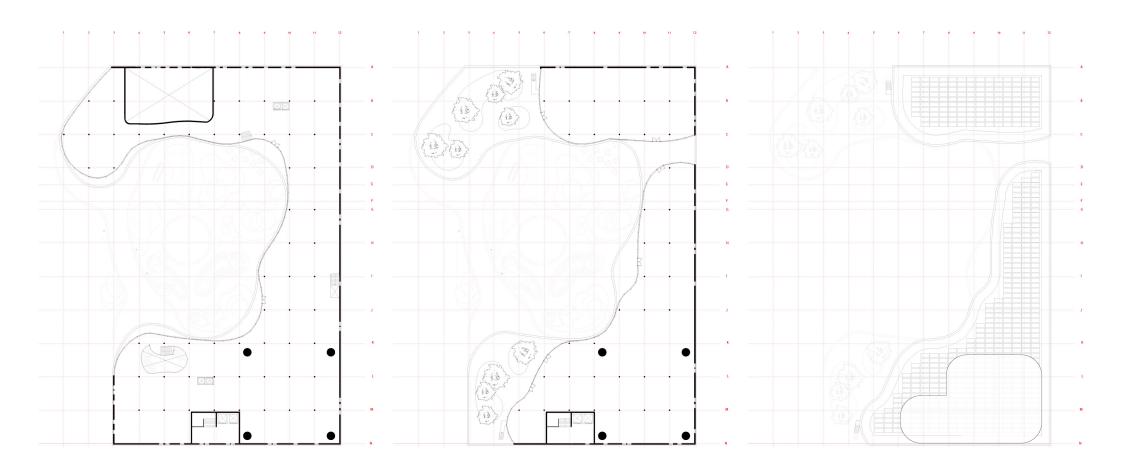
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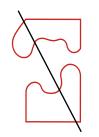


The Academy PLAN IST 02

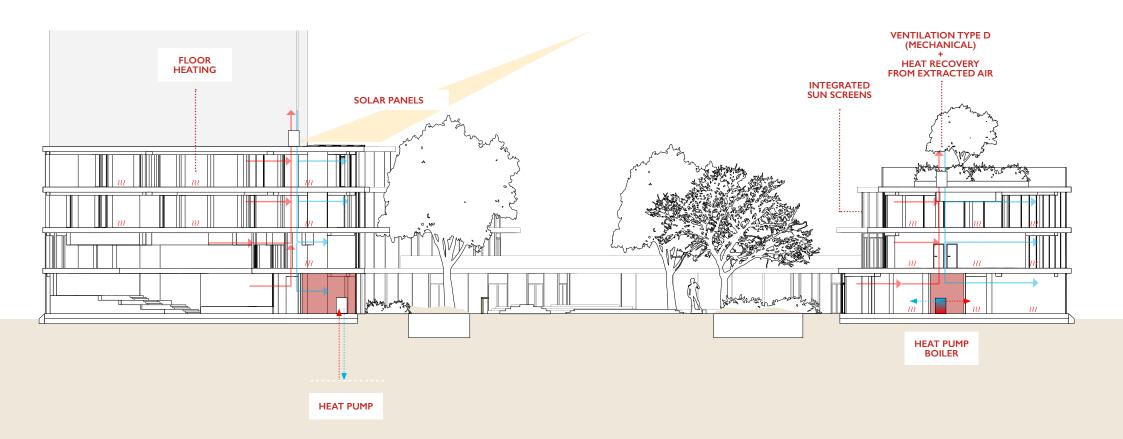


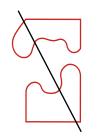
The Academy PLAN 3RD - 4TH - ROOF



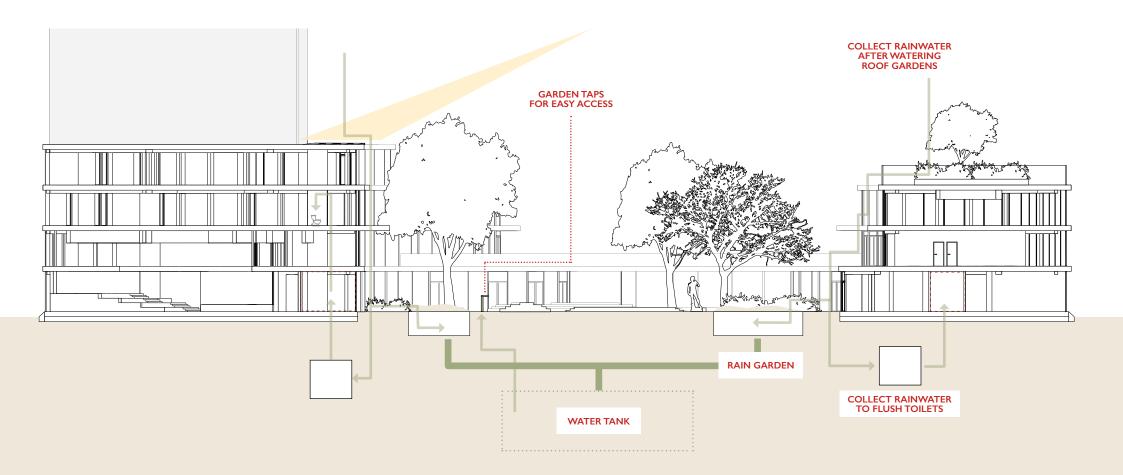


The Academy SECTION 02 / CLIMATE

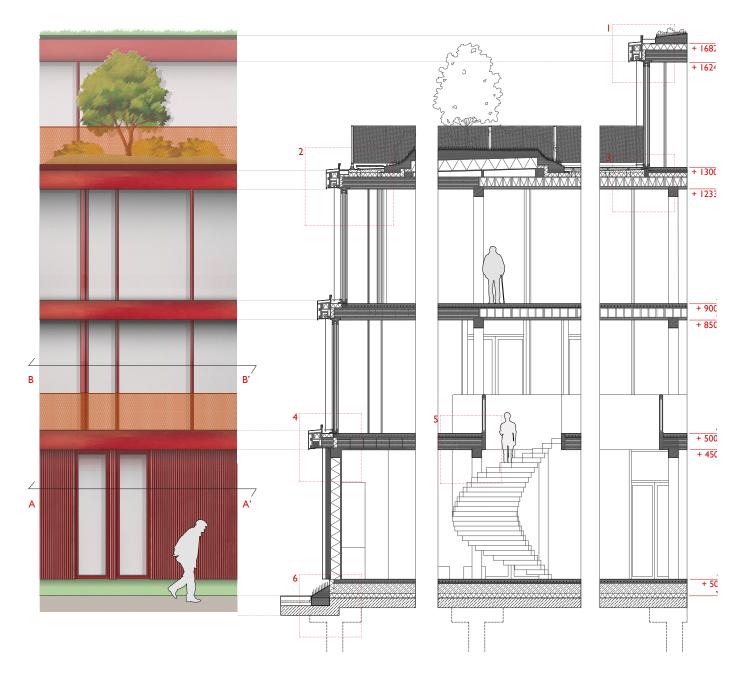


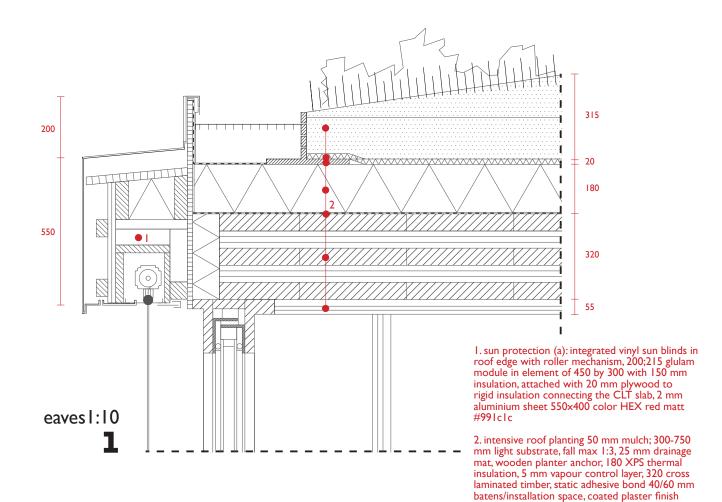


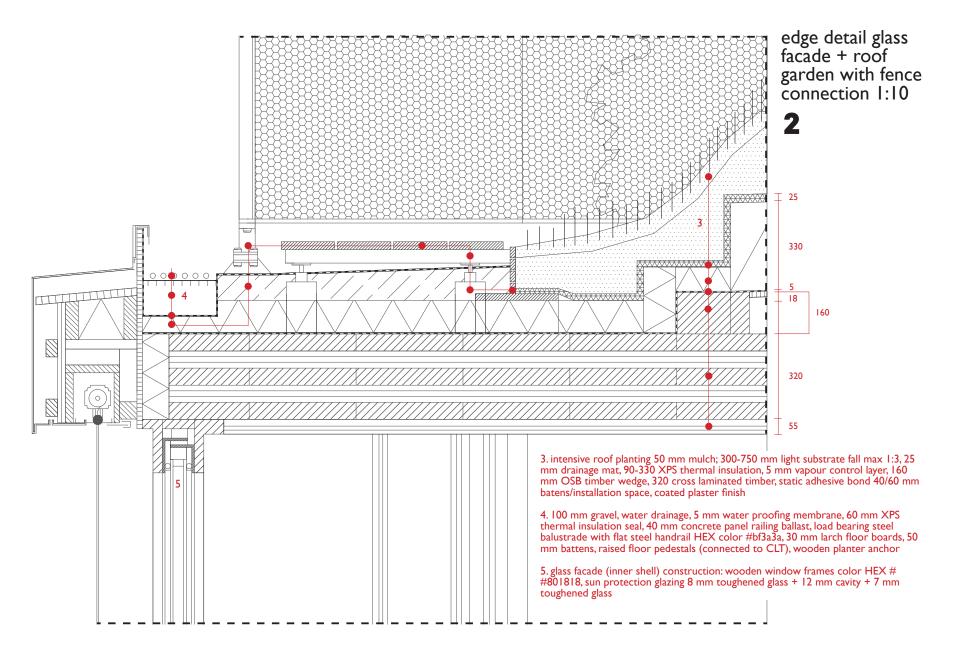
The Academy SECTION 02 / WATER

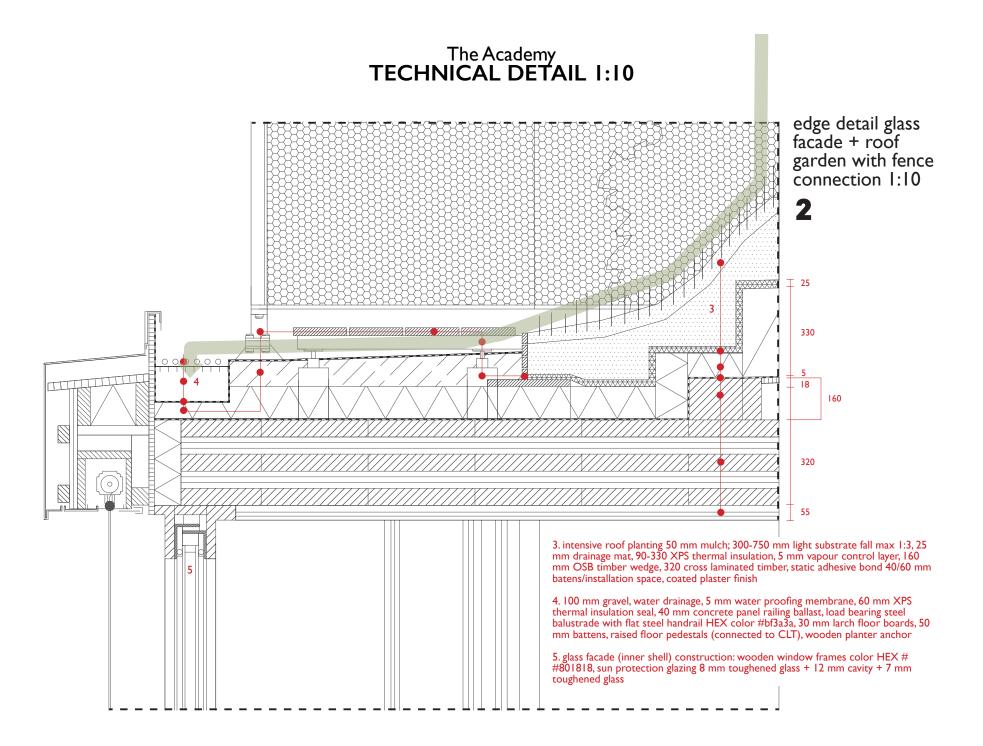


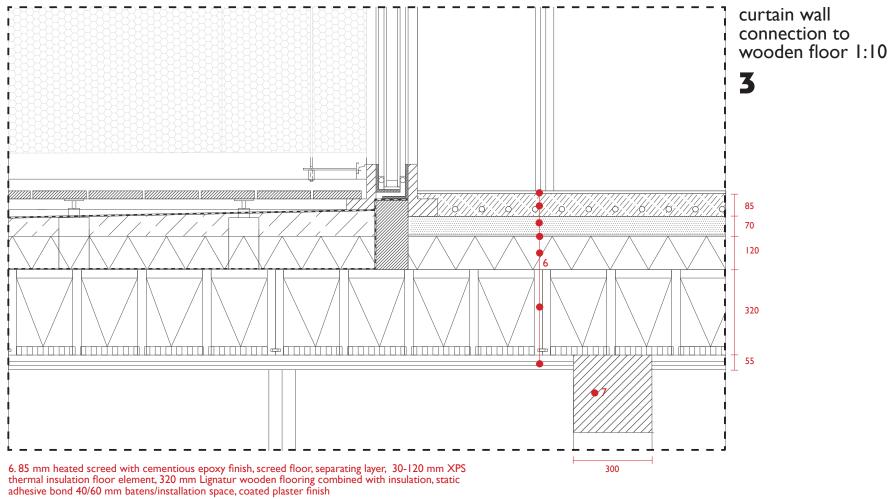
The Academy FACADE DETAIL



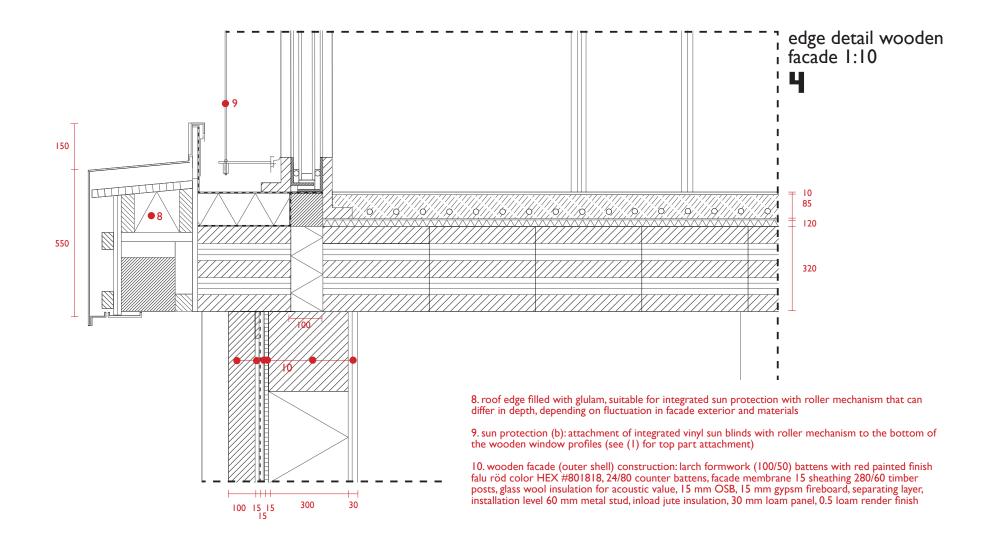








7. wooden beam (Robinia) 300x300



we forget that people with dementia are not patients you can put in a chair

they are still people

DEMENTIA AR ACADEMY THANK YOU

Research QUESTIONS

1.What are the (cognitive and sensory) challenges faced by individuals with dementia and how do these challenges affect their spatial perception and navigation abilities?

2. What does well-being mean for people suffering from dementia and how can diverse art practices affect their well-being?

3. How can architectural design support the unique spatial needs of individuals with dementia?

4. Which features are desired in terms of spatial design when it comes to implementing art and dementia in architecture?

5. How can architectural design incorporate art (based therapies) into the living & care spaces of individuals suffering from dementia to enhance their physical and emotional environment?



1. Easy orientation

1. Easy orientation Dementia Wing: The dementia wing features a single long, curved hallway that provides clear directional guidance and an intuitive route. This design eliminates any T-junctions, making the paths easy to navigate. Both wings culminate in a shared living space where residents can eat, cook together, and watch TV.

Garden: The garden design mirrors the interior architecture, with circular islands that intuitiyely guide visitors towards various garden features such as a fountain, illuminated benches, or an outdoor stage. All garden paths lead to one of the main entrances: the grand entrance, the open studio, the café, or the dementia wing.

Art Academy: The art academy extends the circular routes throughout the entire facility, avoiding T-junctions and reducing the risk of getting lost. By following these circular paths, individuals will eventually return to the dementia wings. Additionally, a strip of different-colored material on the floor indicates the route.



2. Facilitate engagement Dementia Wing: Engagement is fostered through an open kitchen and dining area where residents can assist in cooking, gardening, or folding laundry.

Art Academy: The academy promotes engagement by offering various open art studios where individuals with dementia can join at any time. There is also an open exhibition space, a cafe for socializing, an open library for browsing, and music rooms for making music.



3. Sensory environment

3. Sensory environment Dementia Wing: A sensory environment engages the physical senses. The open kitchen spreads food aromas throughout the wing, which has a positive effect on residents with dementia. The use of curved shapes, wooden materials, and music rooms further enhances this sensory environment.

Garden: The garden features several sensory stations, including a fountain, illuminated benches and chairs, and an outdoor stage. Residents can also engage in gardening activities in the vegetable garden.

Art Academy:

Sensory environments are prevalent throughout the academy. In the open exhibition area, one can touch and see artworks; in the cafe, one can smell and taste; and in the auditorium or music rooms, one can hear and see performances. Good acoustic design ensures that music is contained within designated areas to avoid overstimulation.

4. Balance between therapeutic & memory

spaces Art Academy: Balancing therapeutic and memory spaces is one of the four key guidelines for the art academy. The combined art academy and respite care facility naturally integrate these spaces. The art academy offers structured therapeutic activities such as art therapy, while the respite care facility provides memory-enhancing environments through familiar and comforting settings. Visitors can relax in the dementia wings, while the academy facilities and activities offer emotional security and reduce anyiert. reduce anxiety.



5. Clear overview

Garden:

garden.

5. Clear overview

Art Academy: The art academy uses many open floor plans (studios, library, café, exhibition spaces), maintaining clear visibility across the areas. Curved walls and corridors prevent surprises around sharp corners, and extensive use of glass walls ensures spaces are well-lit with views of the outside.

A small section accommodating a maximum of 7 residents (5 single bedrooms and 1 double bedroom) ensures oversight. A short circular corridor connects all functions, and recesses in the hallway allow daylight into the area, minimizing stark contrasts in colors or materials that might unsettle visitors.

Small, hilly areas no higher than I meter ensure visibility across the entire garden. Circular pathways always lead back to one of the main entrances, maintaining an overview of the inner

6. Promote social contact Art Academy: Promoting social contact is a primary pillar of the art academy. As a central cultural hub, it brings together students, local residents, artists, and individuals with dementia. The goal is to reintegrate people with dementia into society rather than isolating them. Open functions such as the library, studios, and music rooms encourage social interaction.



6. Promote social contact



7. Secure perimeters

7. Secure perimeters Garden & Art Academy: The inner garden of the art academy is enclosed by the building, with its curved shapes gently encouraging visitors to stay within the perimeters. If someone ventures off the premises, the exterior of the building, made from a different, more austere material, subtly encourages them to return. The building's striking red color makes it a recognizable beacon for both dementia patients and external visitors. Inside, all functions are easily accessible, with the undulating hallway providing a safe path throughout the building. Parts of the building can be closed off for evening programs or private use, ensuring security and privacy.



8. Cluster living arrangements Dementia Wing: Small living groups provide oversight and tranquility, with a maximum of 7 residents (5 single rooms and 1 double room) per unit. The living functions are centralized in one area to involve residents in daily activities and to help caregivers maintain oversight. Separate spaces are available for dining or for individuals to retreat to, minimizing stress and anxiety.

8. Cluster living arrangements



9. Minimal change / **direction** Overall Design: The entire building is designed with "minimal change/direction" in mind, avoiding 1-junctions to prevent disorientation. The flowing lines and curved hallways ensure that following the circular paths will eventually lead residents back to the dementia wing. Should anyone get lost, community members are always ready to guide them back to their unit or an open studio.

9. Minimal change / direction



10. Simple floorplans Dementia Wing: By keeping the sections small, with a maximum of 7 residents, the spaces remain manageable. One (curved) hallway connects all functions, with each door leading to either a communal open space or the hallway itself. The layout is easy to understand, minimizing choice-related stress in routing.

Art Academy: The open floor plans make the building easy to navigate. The long hallway connects various art functions, allowing easy movement from an open studio to the exhibition space. There are no difficult decisions, sharp corners, or restricted areas. The different art functions guide visitors through the building seamlessly.

11. Visual access Dementia Wing: Open, clustered living arrangements ensure visual access. Residents can easily find the breakfast area by following the only hallway and the scent of food. Art spaces or displays are easy to locate and not hidden behind closed doors.

Garden:

Small, hilly areas no higher than I meter ensure visibility across the entire garden. Circular pathways always lead back to one of the main entrances, maintaining an overview of the inner garden.



The open plans throughout the academy provide "see-through" views, allowing glimpses of art activities in other rooms. This transparency offers a clear overview of what's happening in the building and lets art guide visitors through the space. Various art functions are visible through glass walls or open plans.



11. Visual access

12. Inviting walkways Dementia Wing: Art contributes to creating inviting walkways. Along the central hallway, finished with warm wooden materials, are various art displays where residents can view (their own) art. There are also cut-outs with benches for sitting or playing games.

Garden:

The garden features various art objects and seating areas that keep the routes accessible and engaging. There are graduate projects on display, illuminated objects, or objects that produce gentle sounds (like trickling water).

Art Academy: Art itself plays a significant role in making the walkways inviting. By connecting various art functions with a single hallway, art serves as a continuous thread through the building. From one art function (like the open studio on the ground floor), you get intriguing views into another function (such as the open exhibition space). This continuous visual engagement invites exploration and discovery throughout the building.

13. Integrate daily functions Overall Design: Daily functions are integrated into all areas. In the dementia wings, clustered living arrangements allow residents to cook together and fold laundry. The garden features a vegetable garden for daily gardening activities. The art academy offers daily programs, including workshops, classes, and activities. This integration promotes active participation, routine, and a sense of normalcy for all residents and visitors.



13. Integrate daily functions

Health & Care Dwelling Studio



14. Fostering a sense of community

Art Academy: One of the key pillars of the art academy is to serve as a hub for various art forms, a meeting place for local residents, a flexible workspace for artists, a school for students, and temporary accommodation for people with dementia. By creating an art academy where diverse individuals can gather, a community is formed. This community of like-minded people connects through art, sharing their passions and forming bonds.



15. Design appealing outdoor space Garden: The garden offers various features that invite exploration: outdoor performances in the summer (music and theater), a vegetable garden maintained by dementia patients and students, rainwater taps for garden watering, illuminated seating elements guiding pathways, seating alcoves, a fountain, and various art exhibitions showcasing student and independent artists works. Ground-floor studios open to outdoor areas for painting and sculpting in the summer, and the visual arts studio on the first floor extends to an open-air bridge for outdoor art activities.

15. Design appealing outdoor space



16. Provide flexible spaces

16. Provide flexible spaces Dementia Wing: Each dementia wing includes two flexible art spaces—one per unit. These spaces allow for smaller group activities, such as creating art or music, catering to those who may not want to visit the main academy or who are easily overstimulated.

<u>Art Academy:</u>

Art Academy: The art academy features multiple flexible spaces. Open plans allow for versatile arrangements tailored to different functions. The exhibition space can be reconfigured for various themes or shows, and the studios are adaptable for different art activities. Additionally, there are flexible workspaces for freelancers and independent artists, as well as various rentable spaces.

17. Empower autonomy Perhaps the most crucial guideline of the entire project is to "empower autonomy." Placing a respite care function within an art academy maximizes autonomy. In typical care facilities, art activities are sometimes organized, but residents must sign up in advance. By integrating a respite care wing within an art academy, individuals can decide spontaneously what they want to do each day. They can explore on their own and join a class, workshop, or activity whenever they choose.

The open and inviting layouts and functions ensure that people with dementia are included in the academy's programs. If they prefer to stay on the ward, that's perfectly fine—they can help with cooking or watch TV. However, the design encourages them to independently (or with a student) explore and participate in a painting workshop, have coffee in the café or on the terrace, take a music lesson, or enjoy graduate art exhibitions or performances. All staff and students are aware of these "special" guests and know how to interact with them appropriately, fostering an inclusive and supportive environment. environment.



creativity

17. Empower autonomy

18. Focus on art and creativity Dementia Wing: Each wing is designed with a focus on art, featuring a flexible space where various art forms can be explored. This space is ideal for residents who may feel overstimulated and prefer not to visit the main art academy. Additionally, an extra-large storage area is provided to store garden-grown vegetables and fruits, enhancing creativity in cooking. Residents can participate in cooking, which further promotes their autonomy.

Art Academy: The art academy emphasizes art through a variety of artistic functions. Key art activities for people with dementia are located on the ground and first floors for easy access. Throughout the day, there are art programs and classes that they can join or observe. The building's layout features a central winding hallway that guides visitors through all the art functions. This path leads from the public library to the open exhibition space showcasing graduate projects and works by individual tenants or artists, then to the auditorium, dance hall, and open atelier with various workshop rooms.

19. Create a central (cultural) hub The art academy serves as a central cultural hub by bringing together diverse groups of people: students, local residents, artists, and individuals with dementia. It provides a space for various artistic expressions and community activities, fostering social interaction and cultural exchange. The academy's open layout and inclusive programs encourage participation from all community members, creating a vibrant environment where art and culture thrive.







20. Feature prominent

placement of artworks

20. Feature prominent placement of artworks

Dementia Wing: In the dementia wings, there are numerous spaces within the walls designed to display and exhibit self-made art. Additionally, residents can look outside and see various art objects, enhancing the visual and sensory experience.

Garden: The garden is dotted with various artworks, providing space for graduate students, projects as well as sculptures and other pieces by private artists. This outdoor art display creates an engaging and stimulating environment.

Art Academy: The art academy is infused with art. The open exhibition space hosts various shows throughout the year, featuring guest designers and graduate projects. Many art functions are visible through glass walls, allowing easy access to performances in the open-air theater or the auditorium. The presence of different atriums and balconies offers yiews of art on other floors. Art serves as a guiding element throughout the building, offering visitors numerous "see-throughs" and intriguing glimpses into other parts of the academy.

21. Good acoustics

21. Good acoustics Overall Design: In the academy, the construction has been developed with enhanced floor and wall insulation to ensure optimal acoustics. This design keeps sound contained within designated spaces, preventing noise from spreading and causing disturbances. Additionally, there are recording studios with extra thick walls to further contain sound.



22. Accessible and safe kitchen space Dementia Wing: The dementia wing features an accessible and safe kitchen space with extra storage for homegrown vegetables and fruits. This kitchen allows residents to participate in cooking activities, promoting autonomy and providing a sense of accomplishment.

22. Accessible and safe kitchen space

23. Daylight access Dementia Wing: All rooms in the dementia wings are designed to receive ample daylight. Common areas are situated along the glass facade facing the inner garden, allowing residents to look outside and enjoy natural light throughout the day.



Art Academy: In the art academy, functions requiring abundant light are positioned along the glass facade surrounding the inner garden. This layout enables these activities to extend outdoors during the summer. The central hallway connects to the facade at several points, ensuring it is well-lit and providing a clear overview. This design minimizes harsh contrasts in light and materials, reducing stress and confusion.

Concept KEY GUIDELINES

Benefits of the Art Academy Principle

Integrated Care: Combining art therapy and respite care in one setting ensures a seamless integration of therapeutic and memory-supportive environments.

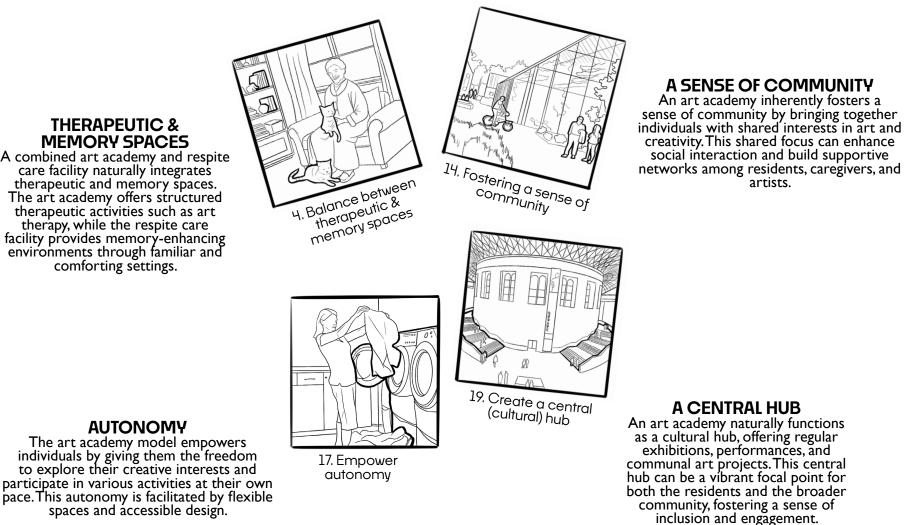
Enhanced Social Networks: The art academy fosters a stronger sense of community and social engagement among residents and the local community. Increased Autonomy: Flexible, creative spaces empower residents to make choices and engage in activities that interest them, preserving their independence. Rich Cultural Environment: A central cultural hub offers continuous opportunities for engagement, learning, and interaction, enriching the residents' lives.

Why Traditional Care Facilities Fall Short

Segregation of Spaces: Traditional care facilities often separate therapeutic activities and memory care environments, leading to less integrated and holistic care.

Limited Social Interaction: Standard care settings might not emphasize communitybuilding to the same extent, leading to social isolation. Restricted Autonomy: Conventional care environments often have more rigid schedules and less opportunity for self-directed activity, limiting residents' autonomy. Lack of Cultural Engagement: Typical care facilities might not have the infrastructure or focus to create a vibrant cultural hub, missing out on the benefits of continuous cultural and creative engagement.

Concept KEY GUIDELINES



THERAPEUTIC & MEMORY SPACES

A combined art academy and respite care facility naturally integrates therapeutic and memory spaces. The art academy offers structured therapeutic activities such as art therapy, while the respite care facility provides memory-enhancing environments through familiar and

Design brief **CRITERIA**

