

Dementia

What is dementia?

during the nearest future.

Cure & help

mendations are to keep on living and to their own senses. having a social and active life. Having habits and doing things that remind the Last but not least making the residents person of what they like to do is also feel safe and at home is very imporsomething that might help.

Dementia in Sweden

- 150 000 people suffer from Dementia
- 25 000 people get the diagnosis every year
- Every 5th person over 80 has dementia
- 66 000 people live in a home for elderly

Design for dementia

Dementia is the name of a collection of To optimize the life of a person with dediseases that affects the brain and the mentia it is important to create a safe ability to think and act rational. It is not and supportive environment. Working a natural part of aging but will increa- with colour contrasts and making it vise due to the ageing of the population sually easy to locate where you are are factors to think about. Personalisation and making varied environments will make it easier for the resident to find his Today there is no cure for dementia. or her way. Outdoor activities and sur-Medicine exists that might slow down roundings that are accessible will also the symptoms but nothing has yet been contribute to a better life, designing for proven to cure the disease. Recom- exploring and to connect the residents

> tant. We have chosen to design only one kind of apartment, enabling flexible furnishing to fulfill as many needs as possible. Our belief is that keeping your apartment during your whole stay, furnishing according to the shifting personal needs, will increase the feeling of being at home and in a safe place.

Design for Covid-19

The pandemic of 2020 has been chal- mon rooms designed to make it poslenging for many of us, but the elderly sible to meet your loved ones while still and the sick are those who might have meeting safety restrictions. Working suffered the most. Our current world like this has resulted in a flexible and is not adapted for a pandemic and safe environment, prepared for every we were not prepared to keep a safe need and situation. environment for the vulnerable. Residents in elderly care have during this Covid-19 in elderly care year been affected in many ways. New routines for staff, visitors and the residents has resulted in new and restricted ways of meeting, working and living.

Seeing the emotional and practical effects of the pandemic in swedish elderly care, we decided to take the pandemic in consideration when designing our dementia village. We have worked with the placement of communication, staff- and support functions making it possible to isolate one or multiple residential units in the building. As well as creating the possibility to divide each unit in half in case of outbreaks in only

one part of a unit. There are also com-

Covid-19

- A person over 80 years is 5 times more likely to get a serious kind of covid-19 than a person at the age of 50-60.
- Over 1500 people have died in residences in Sweden due to covid during 2020.



Concept & Vision



A safe & calm life

life in the dementia village

The dementia village provides a calm and safe lifestyle for the residents. With varying and activating common areas supporting their abilities and encouraging the everyday life to proceed.

Life in the residential units provides for close contact with the staff and the other residents, but also outlooks towards the village yard and the surrounding neighborhood.



The small village

mediating the building concept

With our building concept we want to mediate the vision of the small scale village, with a touch of the classic swedish barn typology.

By creating a relation to the adjacent preschool and community hall our facade typology creates a fun visual concept of a village, sparking curiosity as well as creating an understanding for the concept of the dementia village.

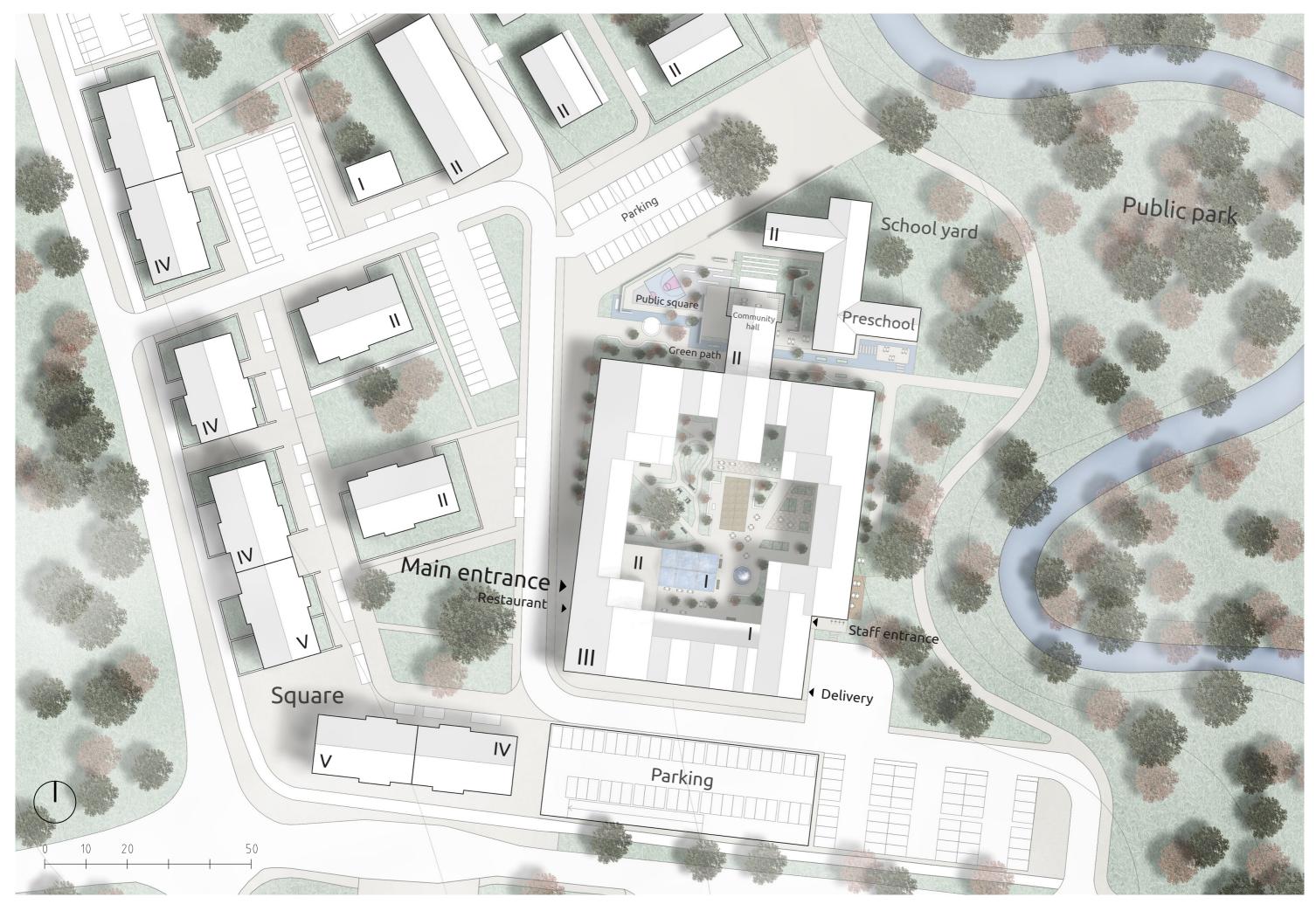


A new meeting place

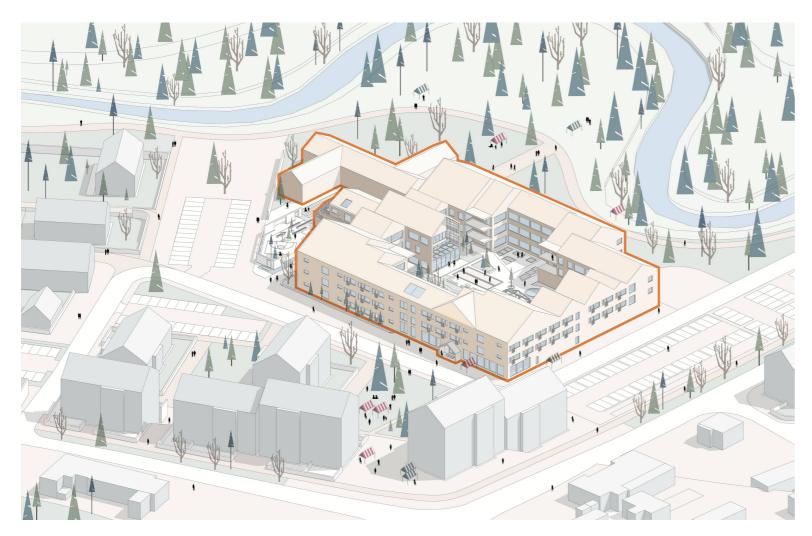
social inclusion & activation

With the vision of creating a new meeting place between young and old we created the community hall. With connections to both public space, the preschool and the dementia village the community hall creates a bridge between the surrounding neighborhood and the dementia village.

By designing for creative activities for the residents in the workshop, atelier and in the garden we enable for new meetings during exhibitions, markets and workshops. Inviting relatives and neighbors to meet the residents and experience the active life of the dementia village.



Building overview



Building with surrounding neighborhood

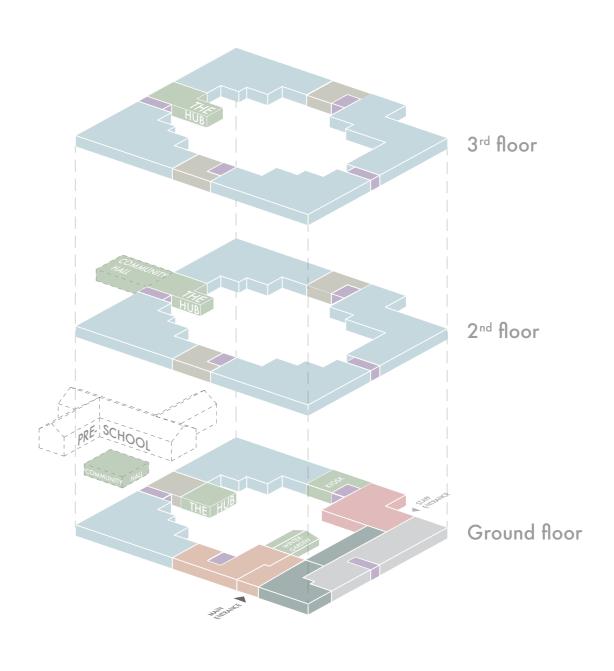
Connection to community

While creating a closed volume was seen as the most efficient and safe option, we still wanted to enable connections to the surrounding area. Placing the main entrance and restaurant in the south west corner of the building creates a connection to the nearby square as well as the movement in the area.

By creating the community hall we enable a dynamic connection between the preschool in the north and the dementia village. By connecting it to the hub in our building, we enable new relations and activities to be created. Between the dementia village and the preschool the green path enables a direct contact to the park in the east.

Building functions

The ground floor of the building provides functions for both staff and residents. With areas for administration as well as support functions like kitchen, storage and delivery zone. The large yard with commercial and common spaces provides varied activities for the residents in a safe environment. The identical levels of the second and third floor contain four residential units each, connected by support functions for staff.



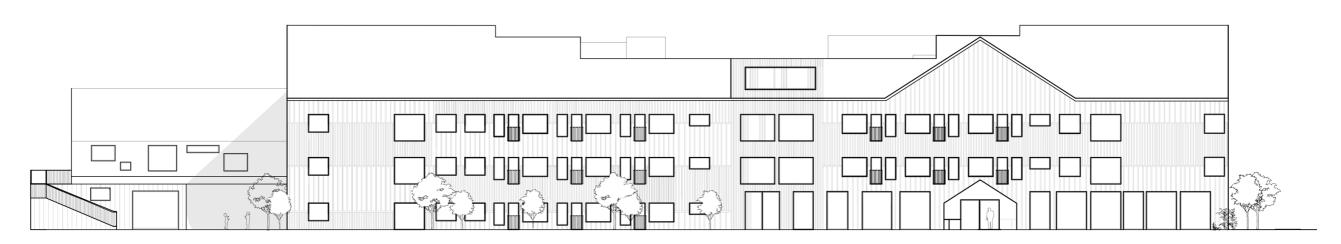
Functions found in building



Facades



Facade facing south Scale 1:300



Facade facing west Scale 1:300





Facade facing north Scale 1:300



Facade facing east Scale 1:300





Illustration facade

Welcoming and inviting

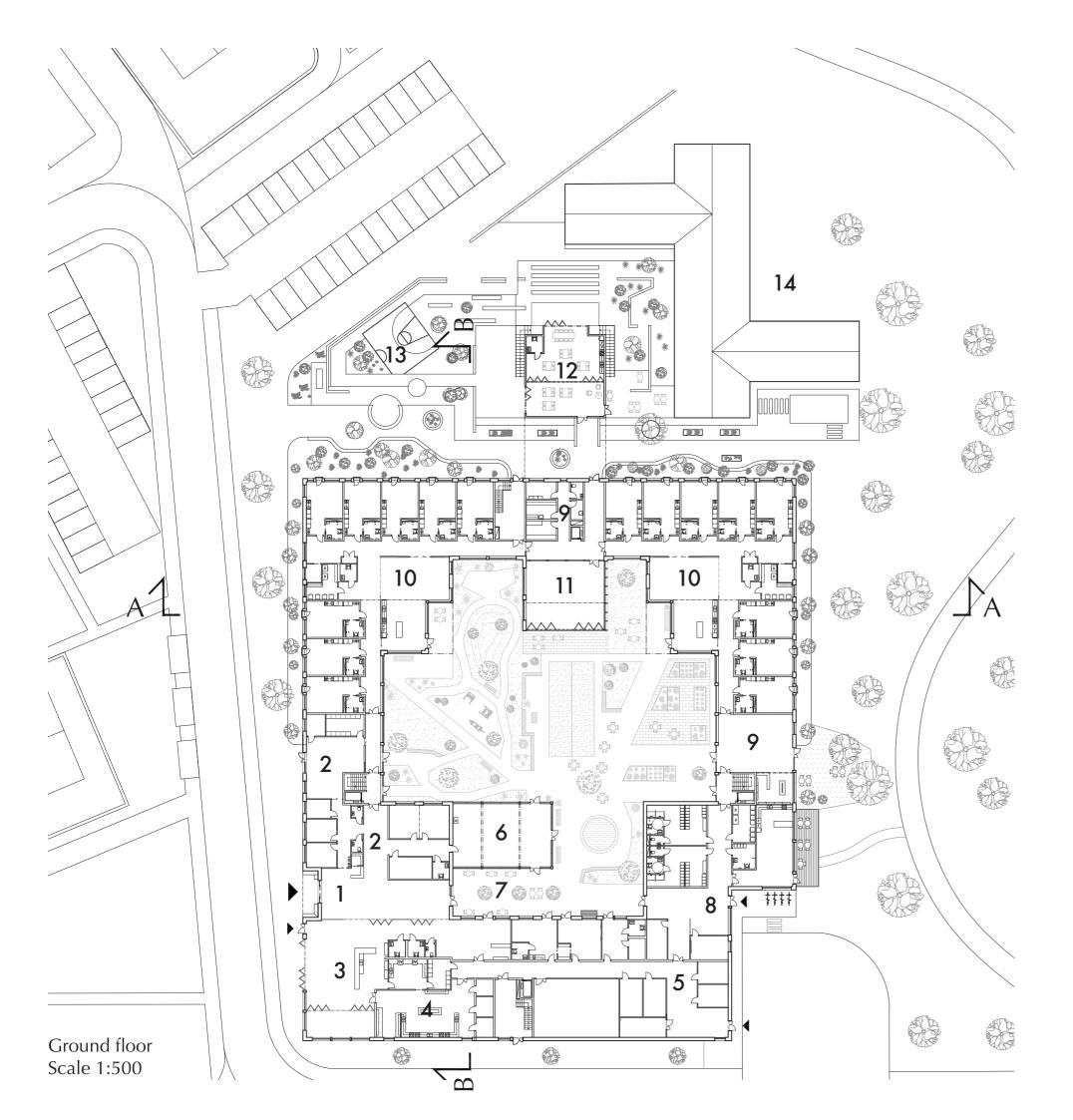
dementia village.

The facades are constructed in The preschool is placed north of the other buildings.

Rural meets urban

The facade facing north and south For the facade facing west we want are both visual interpretations of a to create a visual connection to the simple drawing of a village, with square south west of our building, the typology of the barn in mind. as well as making the main entran-This playful and welcoming facade ce clear and visual. Placing the can also contribute to a visual un- main entrance and the resturant in derstanding of the building as well a visual sightline will create a conas to create curiosity to come inside tact with everyday life in the area and experience the concept of the and give the building a more urban expression.

wood, with wooden screens cre- our building, between these a green ating depth and dimension to the path is located creating a conneclarge facades. This also contributes tion to the park in the east. Since to breaking down the scale of the two units are placed on ground lebuilding, working in relation to the vel we have worked with a green window placement of the units. buffer zone, with planted trees The different divisions in the facade and vegetation creating a distance creates the feeling of a smaller buil- from the street to the apartments. ding, making it feel homely, inviting This keeps privacy for the residents, and fitting into the surroundings at the same time providing lovely without being too big in contrast to green areas and visual connections with the surroundings.



Floorplan overview

Entering the building

The main entrance is placed in the south west corner of the building. The lobby has a close connection to the administration and conference area as well as the restaurant and café. Entering the inner courtyard you pass the village street, a small scale area with commercial functions and the winter garden.

Staff and support areas

The staff area is placed in the east part of the building with a separate staff entrance and a connection to the park. Support areas are found in the south-east parts; spaces for kitchen, storage and deliveries.

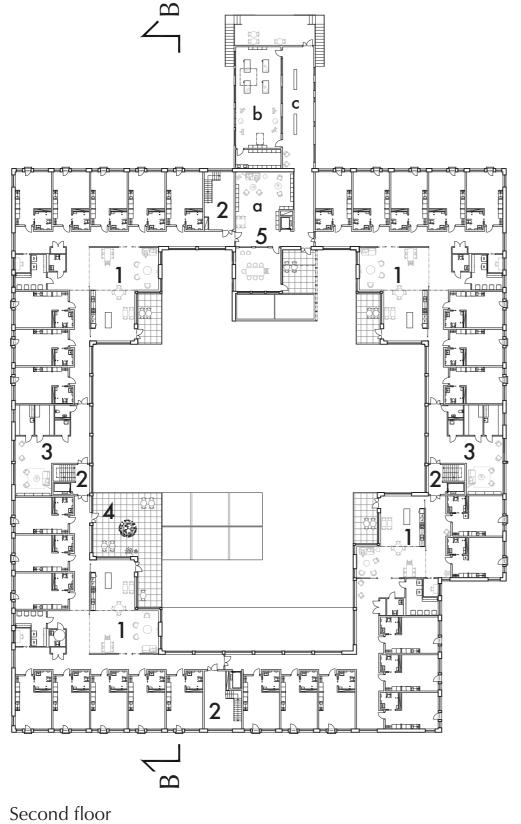
Community hall

North of the building, the community hall creates a new meeting place for the community. With connection to a public activity square, the preschool and the dementia village.

- 1. Main entrance & lobby
- 2. Admin & conferance
- 3. Restaurant
- 4. Kitchen
- 5. Delivery & support functions
- 6. Winter garden
- 7. Village street, commercial area
- 8. Staff area & entrance
- 9. Shared functions & common room
- 10. Unit
- 11. The hub
- 12. Community hall
- 13. Public activity square
- 14. Preschool







8 apartments/unit 10 units, 80 apartments in total Apartment 34,5 m² BOA

The residential units

The second and third floor are identically designed, containing four residential units each placed in the four corners of the building. Larger support functions like storage and disinfection are placed to be shared between units, providing a good work-flow for the staff. Each unit contains 8 apartments, creating smaller and more manageable residential units, beneficial for both staff and residents.

The social common rooms of the units are placed facing the inner yard, each with a common balcony, creating a visual connection to the activities taking place there. The layout of the residential units are one-sided, providing a light corridor with direct connection to the yard creating easy orientation in the building. Openings in the ends of the corridors also creates outlooks out to the community.

Roof and basement

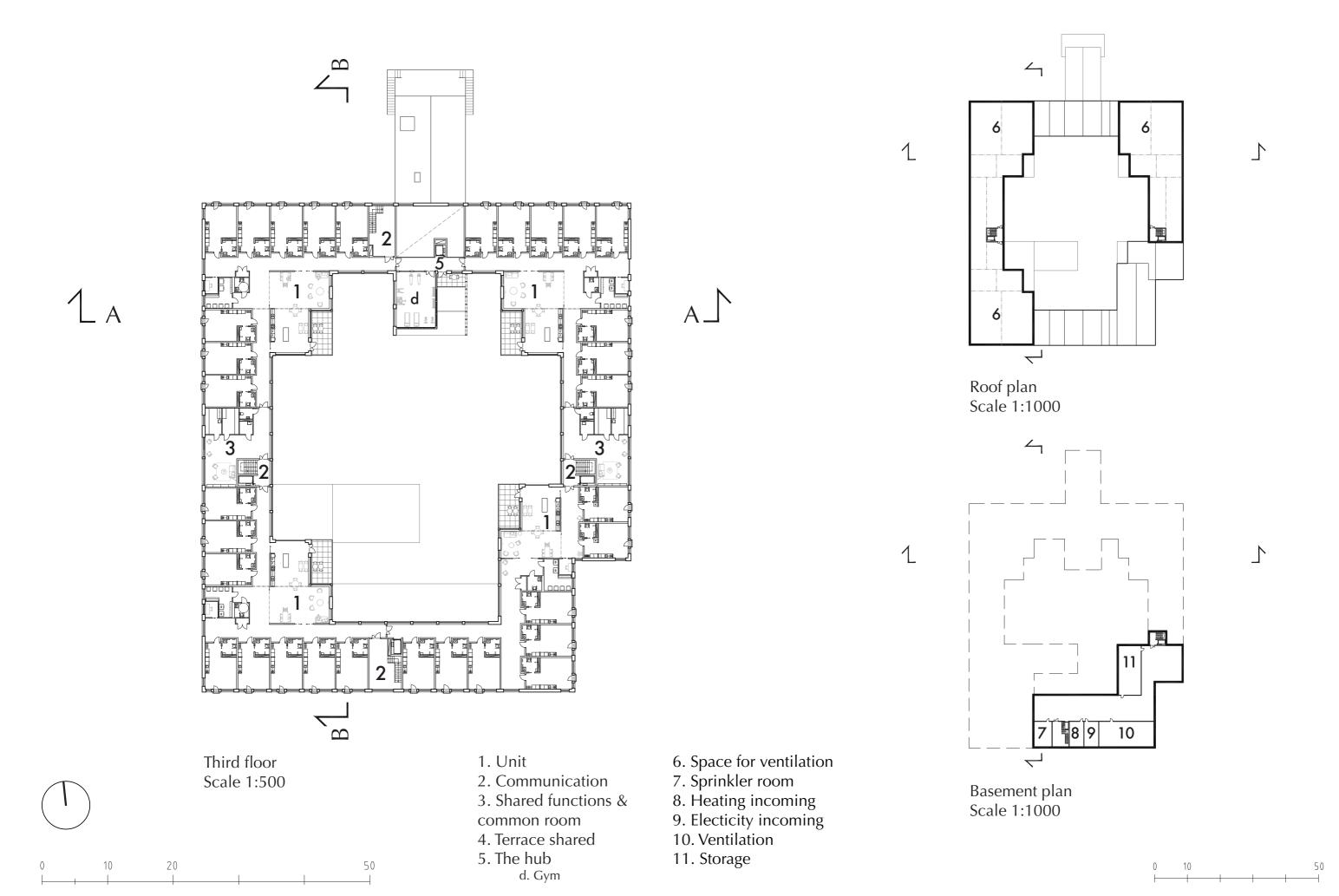
Due to the high slopes of the roof the top floor can be used for ventilation and installations. The basement floor is used for technical functions as well as additional storage.



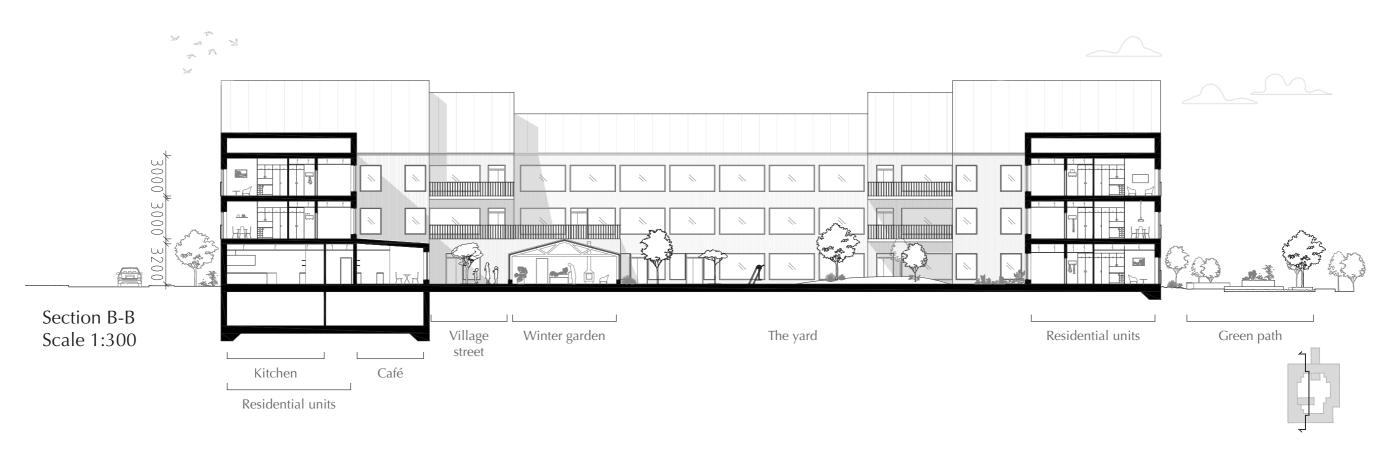


Scale 1:500

- 1. Unit
- 2. Communication
- 3. Shared functions & common room
- 4. Terrace shared
- 5. The hub
 - a. Library
 - b. Workshop & atelier
 - c. Gallery
 - d. Gym







floor height of 3m, with 2,5m ceiling otherwise quite small spaces.

To enable sufficient space for the restaurant and the commercial areas the ground floor has a floor height of 3,2m in total. The 2nd and 3rd level has a give a more spacious feeling in the



Unit Unit 8 apt. 8 apt. The hub **(O) (O)** 00 **Boule** courts Activity area Common room Cultivation area & kiosk (C) (C) Break room Main Staff area Village street entrance | Staff entrance Restaurant Support functions Waste 12m² Storage residents 100m2 (1m2/pers.) Delivery area **Delivery** Ground floor, Scale 1:300

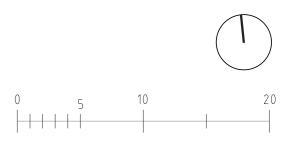
Ground floor functions

The yard & common space

The yard provides varied activities for the residents. A cultivation area with raised and accessible plantings, a boule court, as well as the activitiy area with outdoor gym and sensory garden. Connected to the yard is the winter garden, a common room with a kiosk facing the park in the east and the common living room in the hub creating a connection to the community hall and the green path.

Our goal was to create an inviting yard that offers different kinds of activities for different kinds of people. Some might want to sit in private just watching, and others want to engage and be activated.

Another aspect is how the different zones in the yard interact. The village street offers a commercial and public feeling, whilst the cultivation area is a semi public meeting place where you come together and work with the plants. The park is the most private part of the yard, but offers different activities as well. Outdoor gym, space for yoga sessions and a calm moment for yourself. The boule court is the centre of the garden and invites people to play and interact with each other. But it is also the perfect spot to arrange other activities like a market or the annual midsummer celebration.



Village street & winter garden

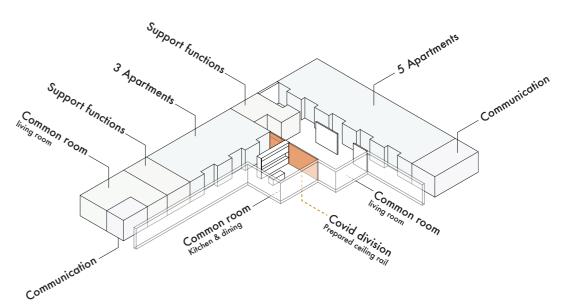


The village street is one of the most public spaces in the village. With commercial spaces; a café, resturant, beauty salons and the winter garden. All to make the everyday life in the village as comfortable as possible, supporting the residents to live an ordinary life.

The hub Common room $\begin{array}{c} \text{Gym} \\ \text{50} \text{m}^2 \end{array}$ $85\ m^2$ Shared support functions & common room

Plan of unit, level 3 Scale 1:200

The unit



Functions in unit & possible Covid-19 division

Visual connections

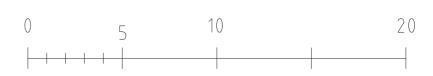
With focus on creating calming their laundry, creating activities visual outlooks the common rooms of the units face the yard. Designed with multiple nice Covid division corners for different levels of social engagement. Placing the common room in the centre of hcare architecture acknowledthe unit also gives a clear sense of visual direction and overview from the apartments and corridors.

Support functions

smaller collection of support functions, placed centrally and This placement also provides for space. the able residents to take part in

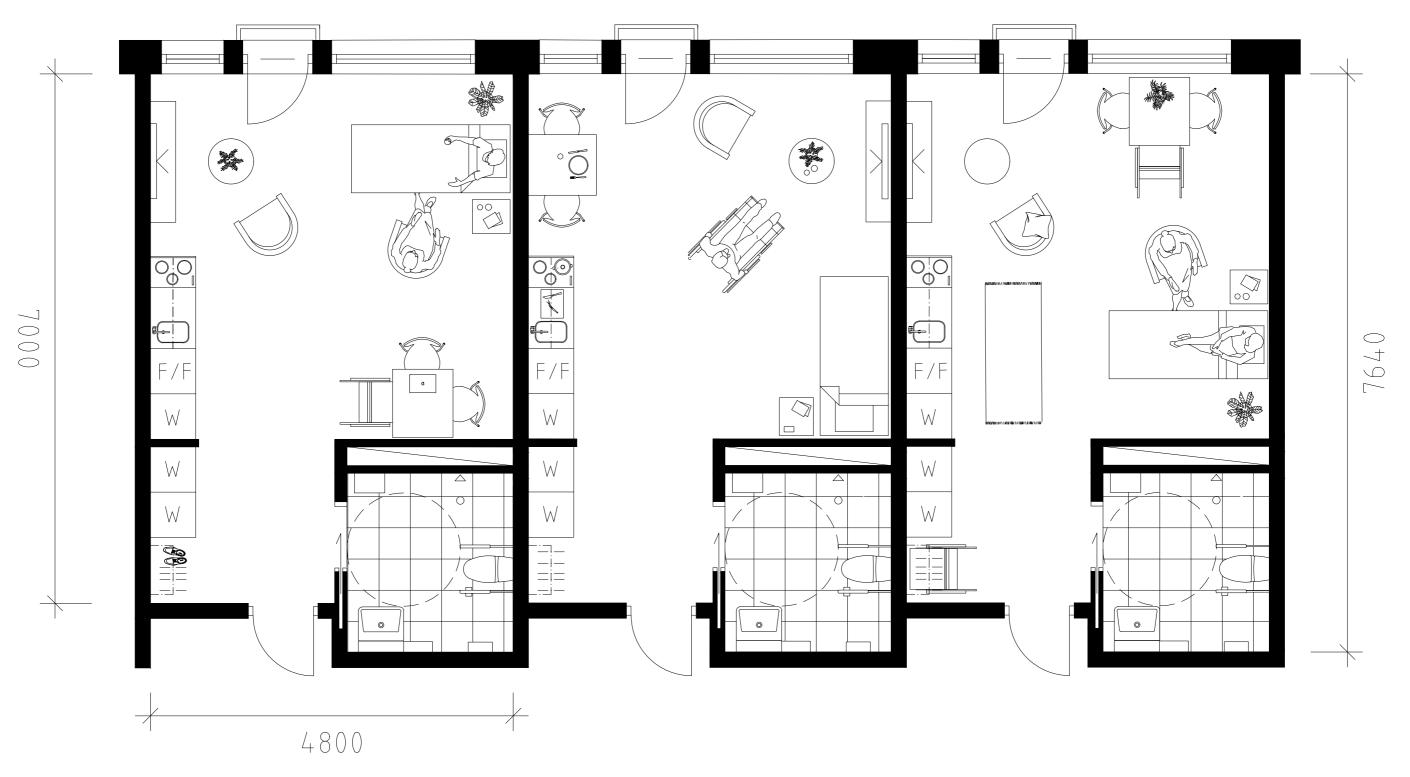
every-day chores like washing highlighting their abilities.

The current pandemic shines a light on the importance of healtging the risk of future virus outbreaks. By preparing the units with ceiling rails, used for placing temporary walls, the units can be divided into smaller sections. While one part of a unit In the center of each unit is a might need total isolation in case of infection, this division still enables access to communication, easily accessible for the staff. support functions and common





The apartment



BOA 34,5 m²

Plan apartment, showing furnishing alternatives Scale 1:50





View of the apartment

Flexible furnishing

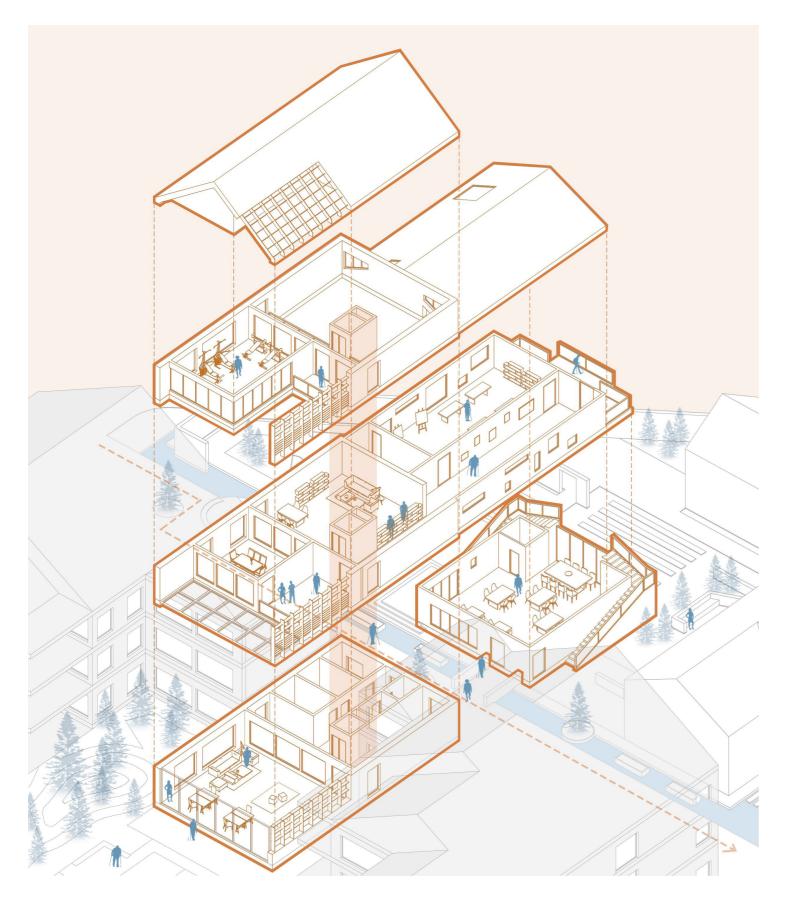
share the same layout creating ferent furnishings. opportunities for different placements of the functions of ea- Functions ting, sleeping and socialising. In the entrance there is spa-Depending on the stage of the ce for storage as well as spadementia and what the resi- ce for storing a wheelchair dent needs and wants. With or walker. The placement of multiple ways of placing the the bathroom with a sliding bed, while still providing an door ensures easier access overlook of the whole apart- both from the main room and ment making it beneficial for the outside. In addition each both the resident and staff.

Outlooks & personalisation

outside and provides an easy The apartment is designed to way of letting fresh air into fulfill as many different needs the apartment. Large windows as possible, to make it safe with low sill heights provide and homely in every stage of outlooks from all angles of the dementia. All the apartments room, also supporting the dif-

apartment has a 1m² storage on the ground floor in the support area.

Entering the apartment you As a part of creating a gradient directly face the outdoor en- of social and private zones we vironment due to the sight have created a small nische line from the front door to the outside each apartment that windows. A french balcony can be personalized to make it creates a connection to the easier to find your way home.



The hub & community hall - activeties for both young and old

Welcome to the hub & community hall!

Connection to the community

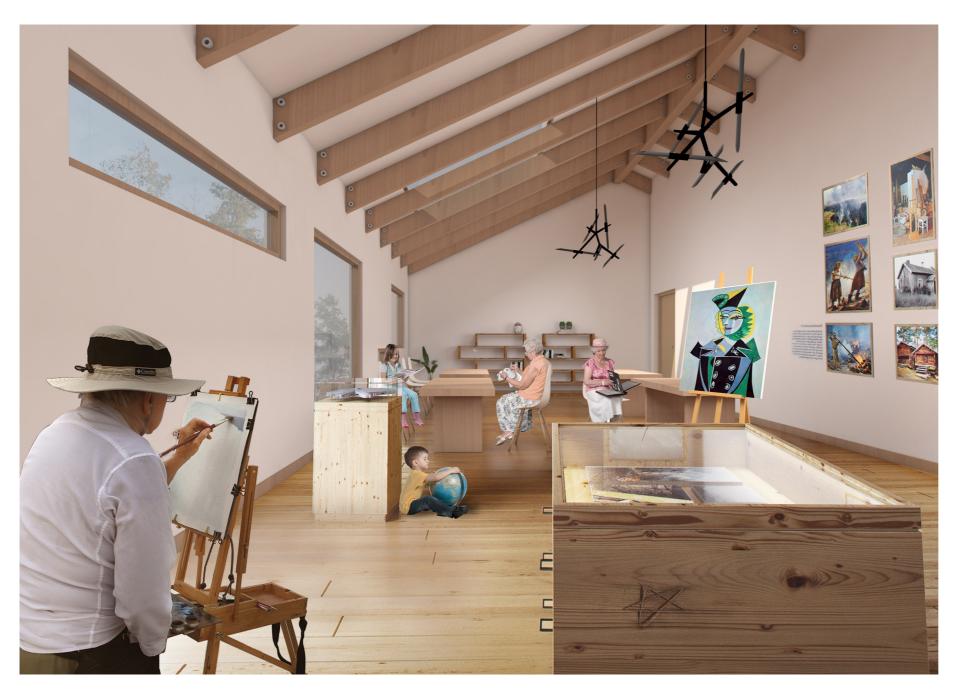
point between the dementia village and the community - creating in the east. a literal bridge between the village and the surrounding neighbor- The community hall hood.

The hub

ted within the dementia village the second floor of the hub with workshops! the community hall in the north.

Creating a green passage under it The hub is the ultimate meeting that connects the rest of the neighbourhood to the park and nature

The community hall, in close connection to the preschool and the public activity square, is a so-The functions of the hub are loca- cial meeting place for the whole community. A flexible room to be with connection to both the resi- used for social gatherings, celedential units and the yard. Func- brations or meetings. The second tions like a gym, library, balco- floor of the community hall connies and a common living room nects to the hub via the creative connected to the yard provides spaces of the wood workshop, for activities and social gathe- atelier and gallery. Here young rings. A bridge containing the and old, friends and family can workshop and gallery, connects meet and be activated in creative



Activities for young and old in the workshop & atelier



Common living room in the hub

Our vision

Designing the hub and the community hall we wanted to create a strong, flexible and creative meeting place between the residents of the dementia village and the surrounding community. By doing so, a stronger bond between the generations can be created as well as acting socially inclusive for the elderly population in the community. This also leads to a broader understanding of the meaning of good elderly care, appreciation for the staff, as well as broader understanding of the concept of the dementia village.