



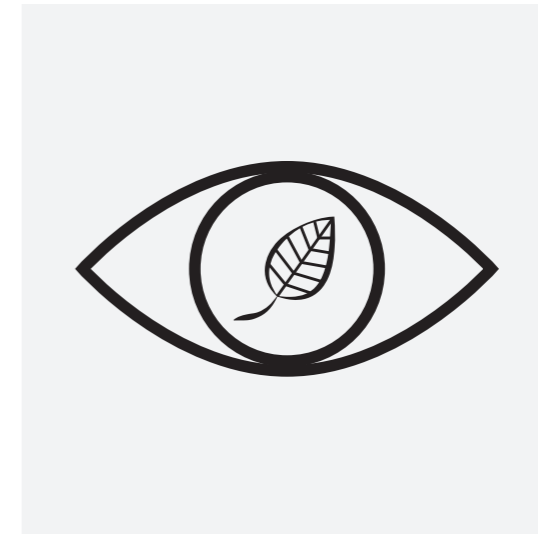
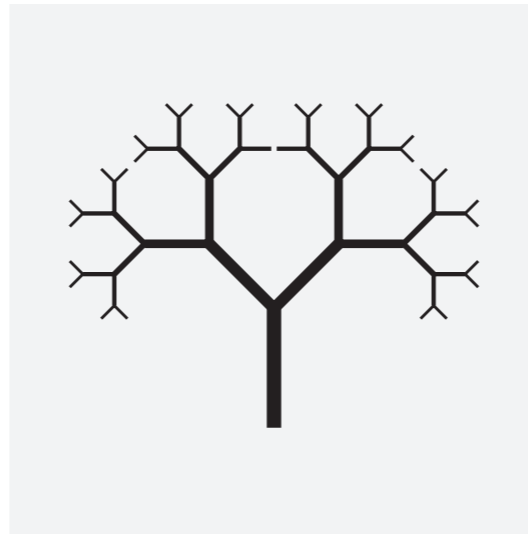
DEMENTIA VILLAGE, ÖNNERED

Mikael Andersson, Joel Ekelöf & Noah Losert

AUT164 - Future visions for healthcare, housing and work 1:
Residential healthcare - housing for seniors , autumn 2018

Architecture and Engineering
Chalmers University of Technology

2018



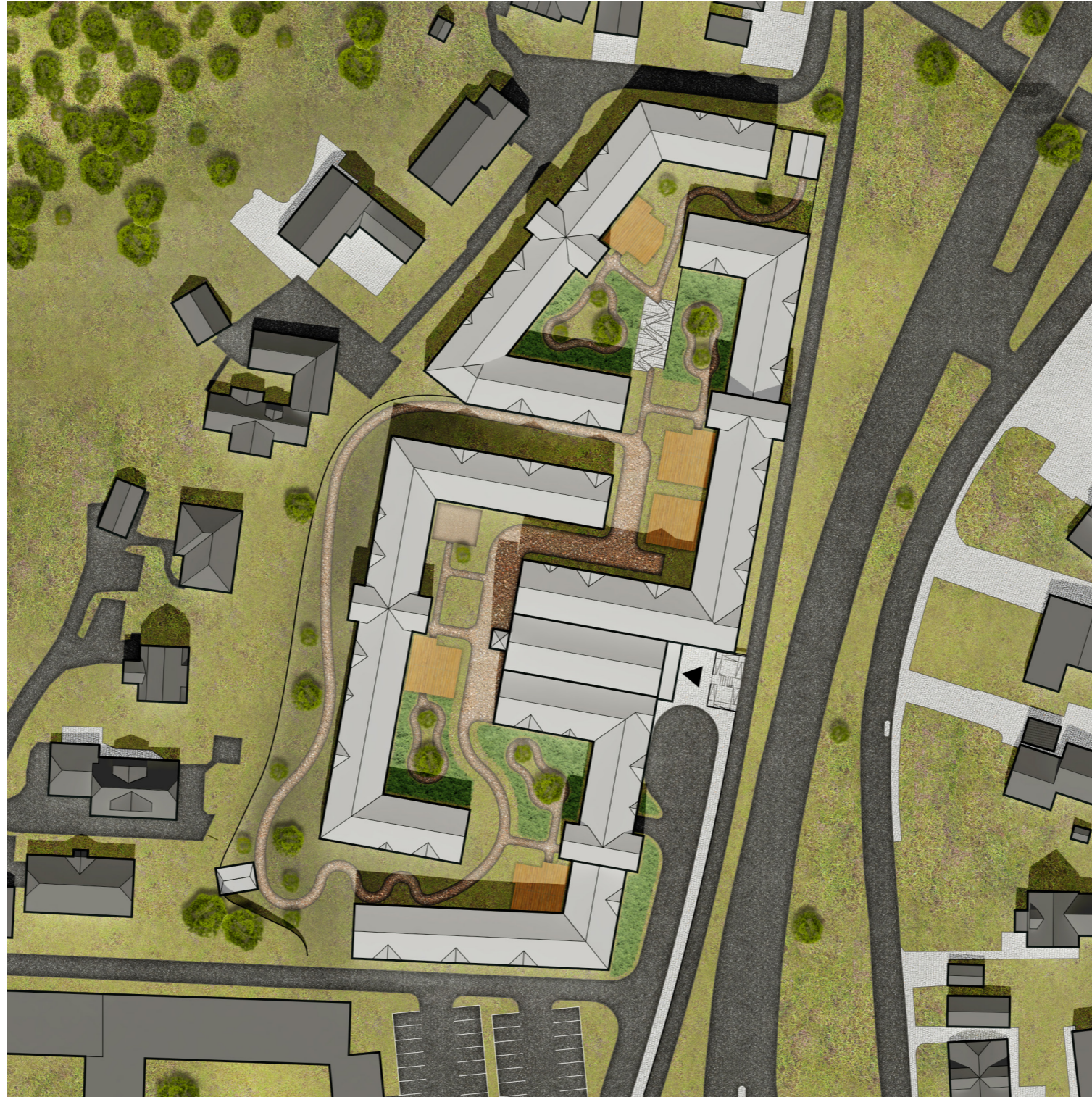
Concept

This project is about a design proposal of a Dementia Village in Önnared, Gothenburg
In our project we have worked with three concept for our designing process.

Non Institutional - Increase the experience of home and familiarity.

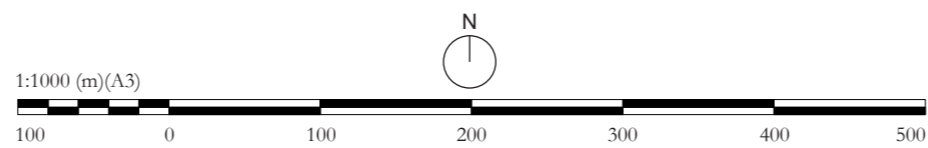
Fractal Patterns - Simplify wayfinding and complexity with elements that repeats at different scales.

Biophilic Design - Promoting health and reduce stress by including more experience of nature and greenery.



Site 1:1000

The site is located in Önnared, southwest of Gothenburg.
It's located in a detached area with one family houses, about 1 km from the sea and with a smaller forest to the northwest.
Next toward the east there is a major road with a small walkway that also is a popular running and cycling path.
The ground is quite flat but with a tilt toward the northeast.



Project

Dementia

Our approach toward working with dementia has been to work against under stimulation. To create spaces that instead stimulate you in a physical and psychological manner that also gives possibility for rest and peace.

Process

As mention, our concepts has been Non Institutional, Fractal Patterns and Biophilic Design. These concepts has lead to an general investigation of public and private spaces, and the many steps between those. The result of this investigation is three main design proposal that our project focus around.

Market hall

The entrance and center of our village were the most public things happens.

Gardens

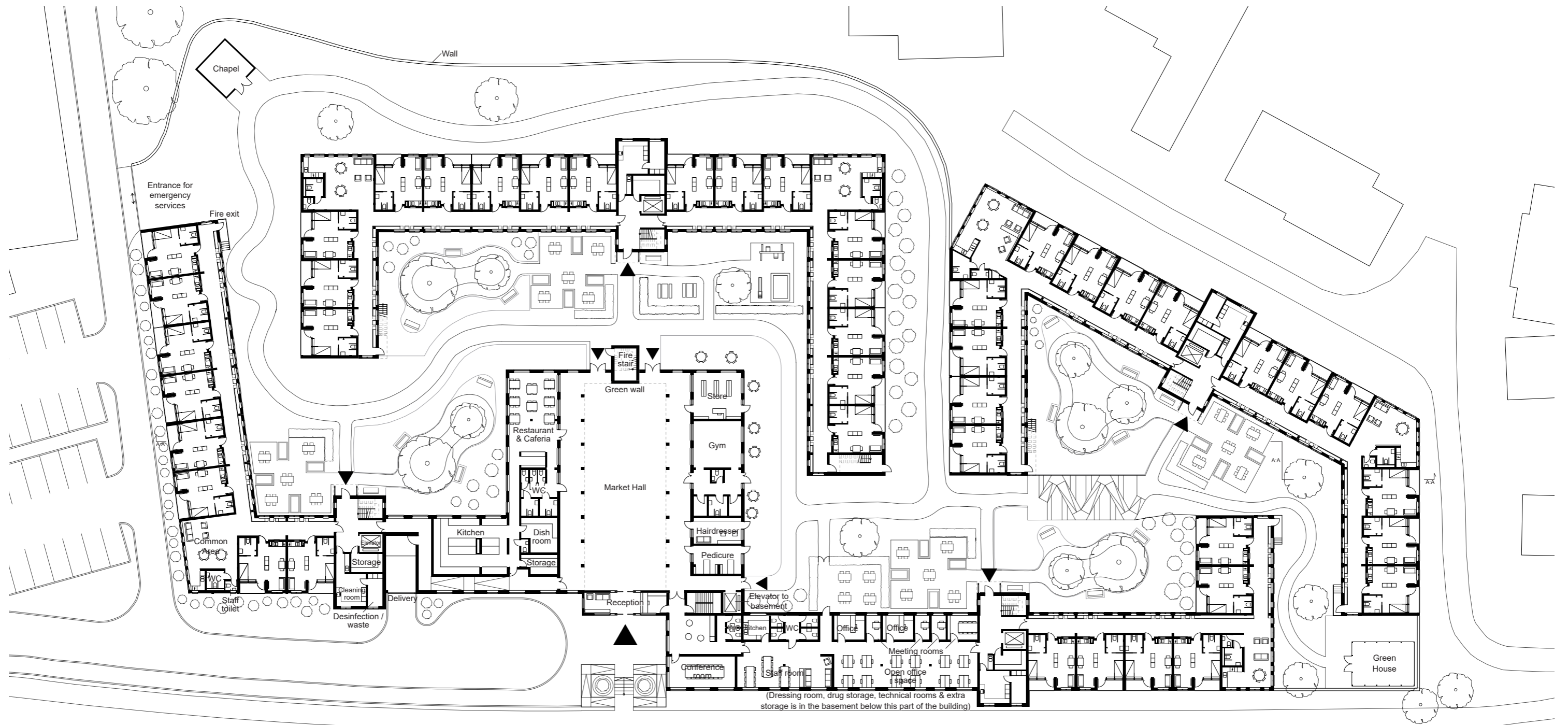
Semi-public space that you move through and ties everything together.

Corridors

Semi-private space were you can meet and greet your neighbors.

Challenges

The biggest challenges through our project has been the site versus our building typology. A bit to small and close toward the neighbor, together with a 2 meter level differences, the balance between accessibility and insight has been quite hard to find.



Ground Floor & Garden

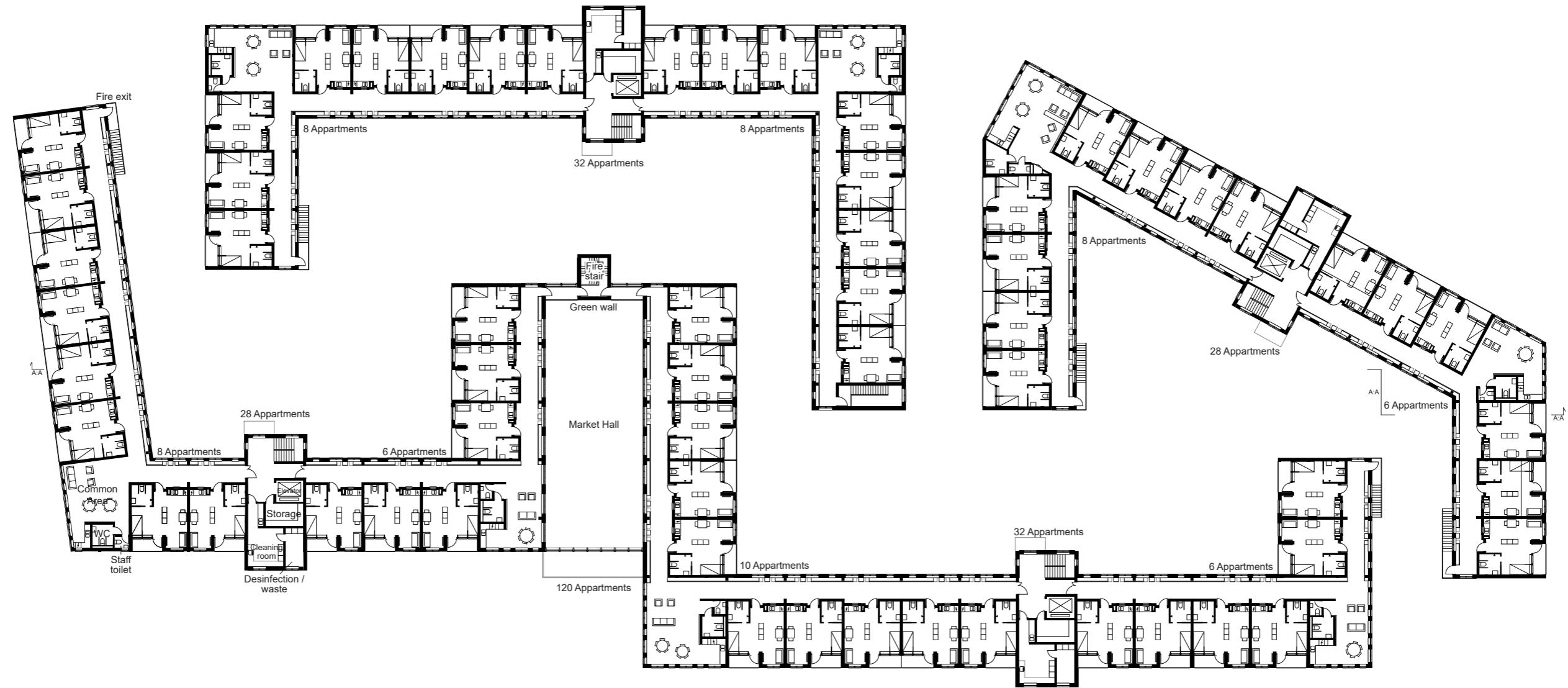
The north and the south ends of the garden has a small building as a attractor and destination points.
The north is a greenhouse for gardening and the south a small chapel for spirituality.

Toward the west there is a smaller dug down path that a bit more hidden and goes through a field.

The main path has reinforced grass around it to enable emergency services.

1:500 (m)(A3)





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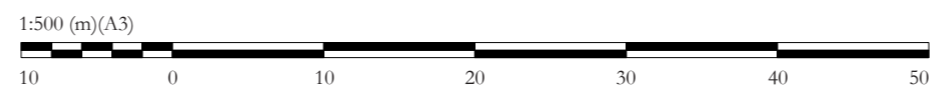
1:500 (m)(A3)

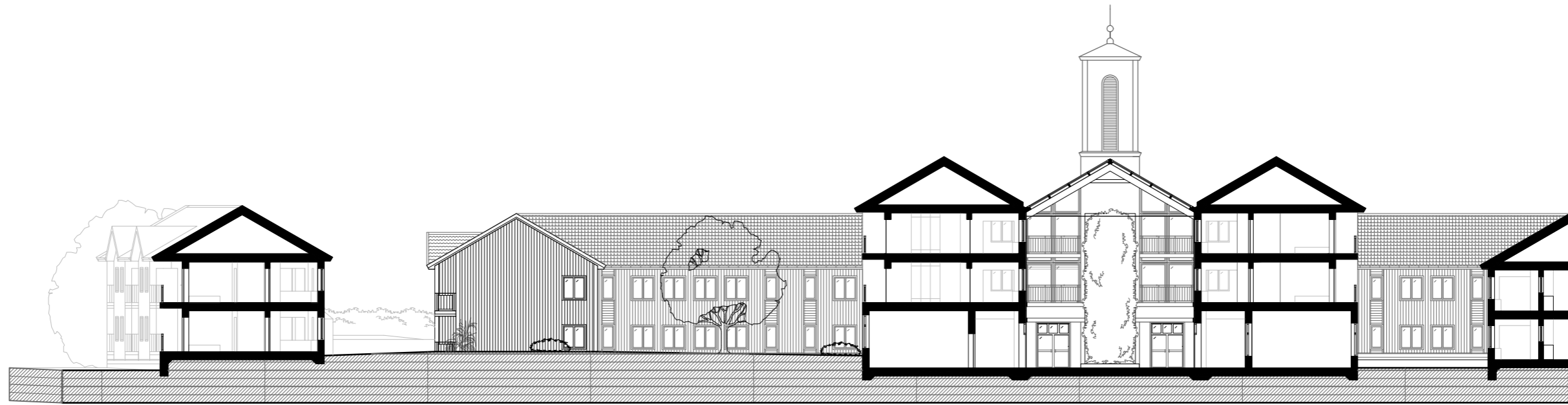




Section A:A & Elevation

East facade





Section A:A & Elevation

East facade

1:300 (m)(A3)





Section A:A & Elevation

East facade



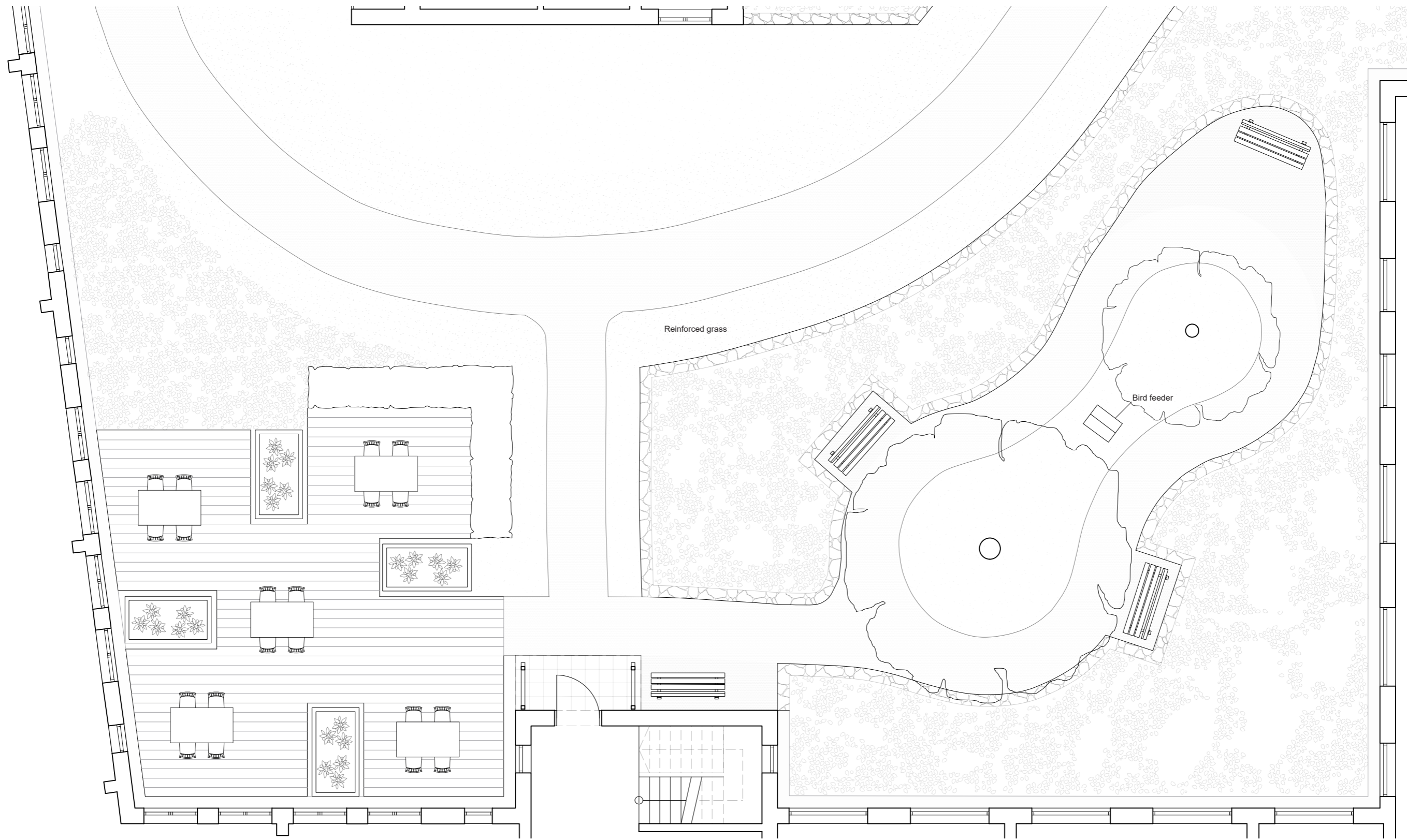


Gardens

Four interlinked courtyards for promoting outdoor movements.

Every courtyard has its own smaller more closed and intense garden with a circular path, fruit tree, bushes, bird feeder and benches with varying privacy.

Every courtyard also have a terrace that is shared among the units. The terrace is broken up in smaller rooms via plant boxes where the residents can work with gardening. A buxom hedge separates the terrace from the main walk path to create more privacy.



Southeast courtyard

1:100 (m)(A3)





Market Hall

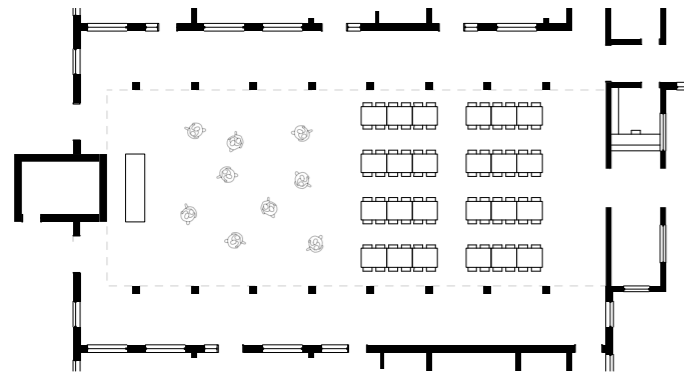
Centralize non residential functions to make a space for both residents, visitors and people from the neighborhood.

Glazed open space to create a more stable climate, gives the possibility for bigger events all the year around.

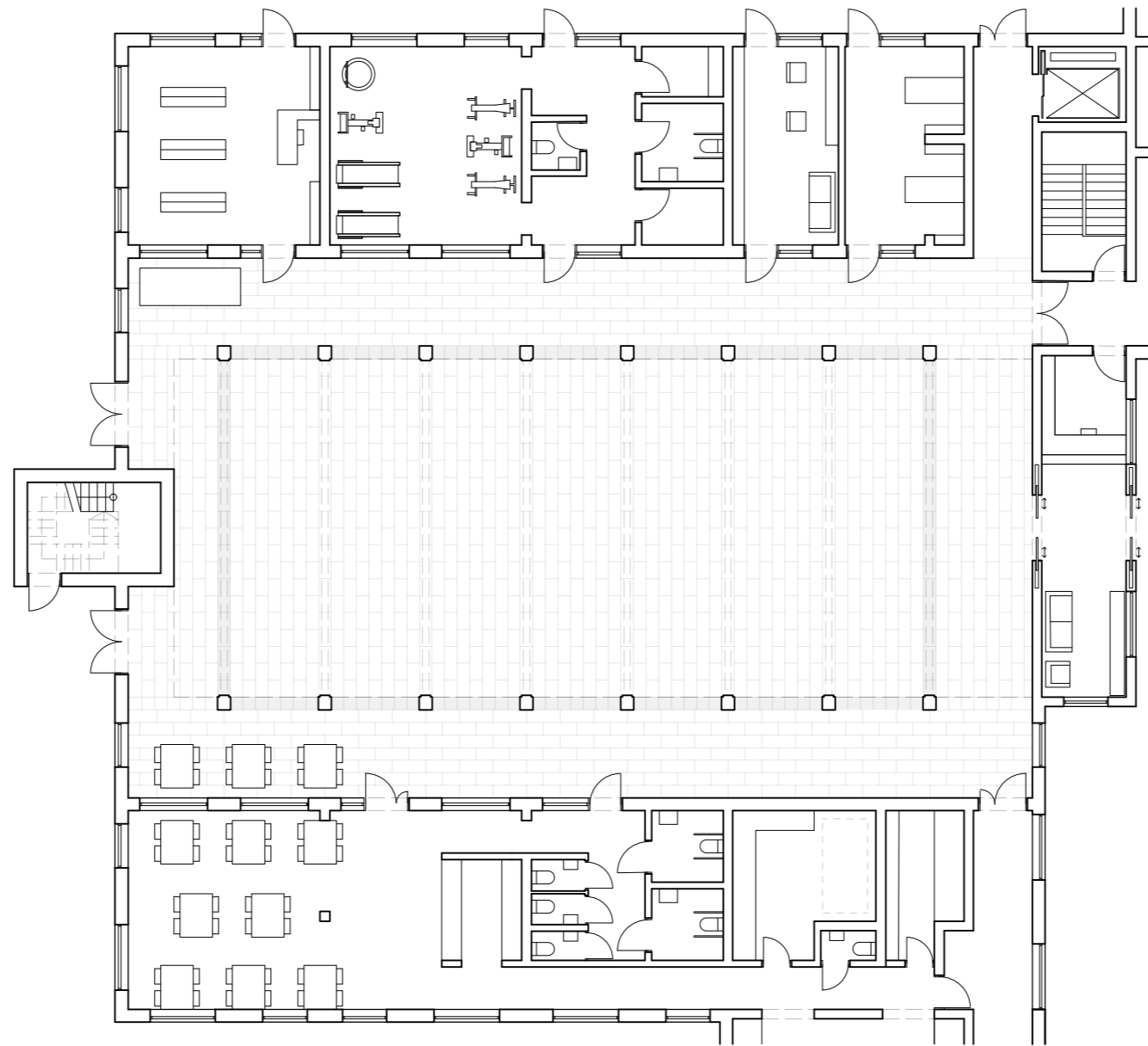
Store, Gym, Restaurant and Hairdresser as attraction and meeting points.

Heated interlocked reception and waiting room, to better control the movement in and out of the complex.

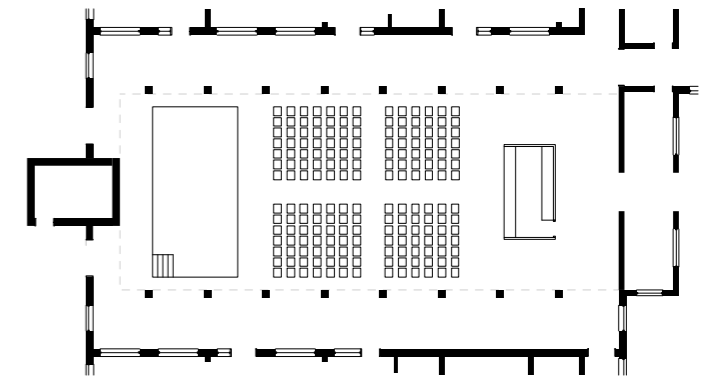
Fire exit extended as a tower to create a visual landmark for wayfinding and central node.



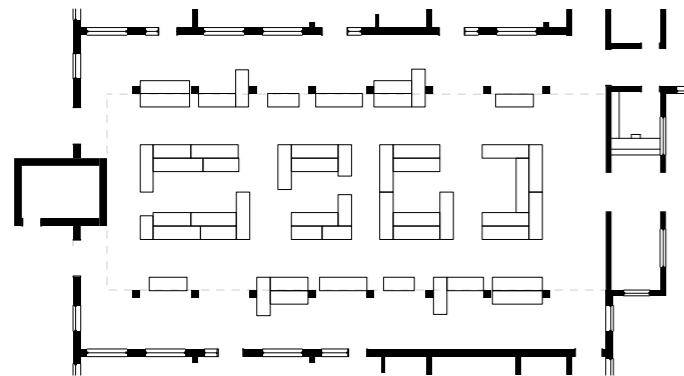
Wedding



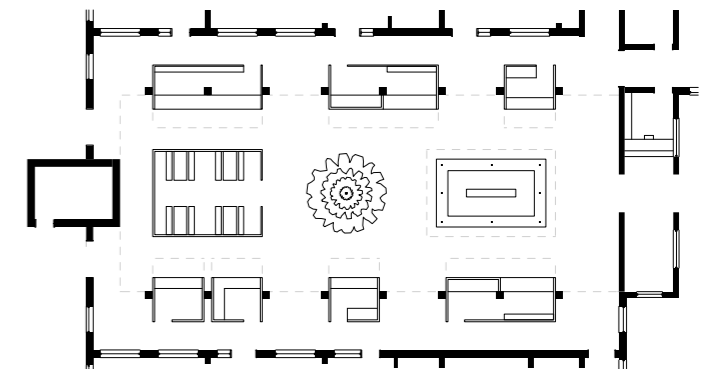
Market Hall



Theater



Flea Market



Christmas Market

1:200 (m)(A3)





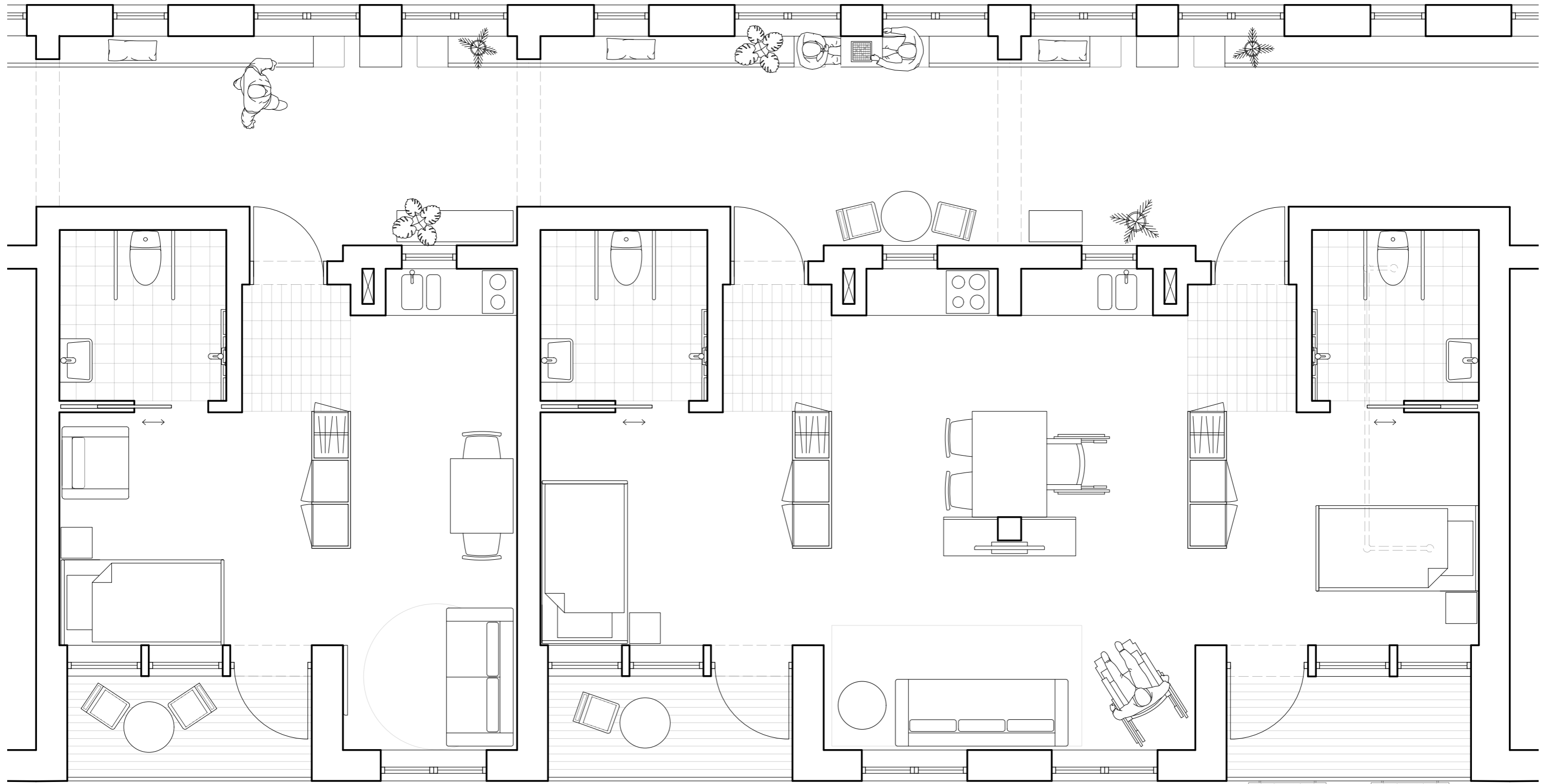
Corridors

Widening the corridors to make space for more functions and an extra step between public/private.

Adding a wall built furniture that goes along the entire corridor and functions as railing, storage and seating area.
Also has the possibility to place smaller and less personal belongings as plants, books, board games etc.

In front of every apartment entry the wall is pushed in to create a small space where you can put your wheelchair and own furnitures.

All together this creates a rhythm of private and public pockets with small variations that helps with wayfinding,
which also gives you a connection toward the garden.



Corridors

1:100 (m)(A3)





Façade, Apartment

.....
Facades are designed to be small scale and more familiar toward a Swedish west coast city, where we used Grebbestad as inspiration.

The roofs is covered with metal roof tiles with a 30° slope.
Which also provides a good opportunity for PVs, if desired.
(estimated production of 250.000 kWh/y)

1:50 (m)(A3)



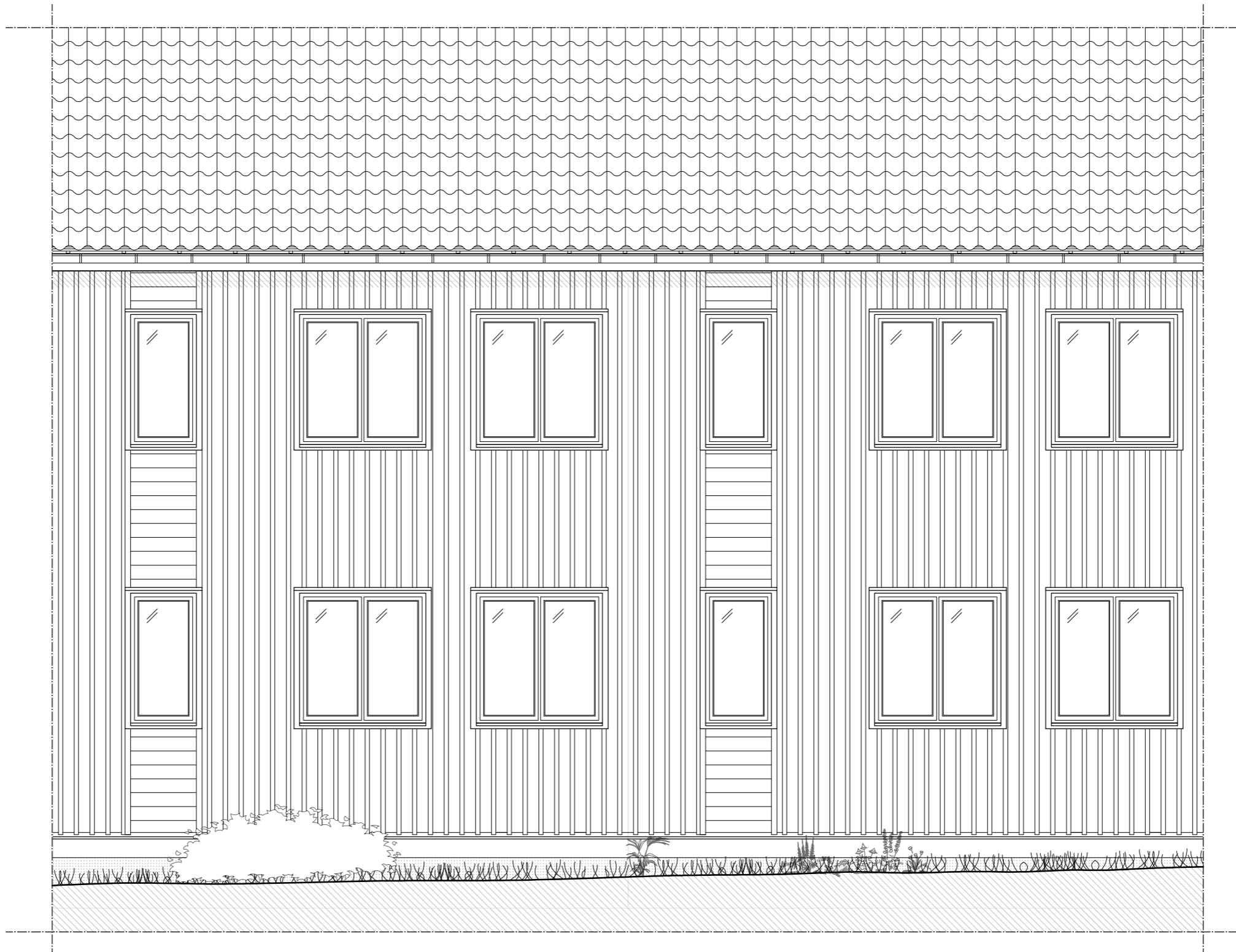


Façade, Apartment

Mirrored Apartment

1:50 (m)(A3)





Façade, Corridor

1:50 (m)(A3)





Façade, Corridor

Mirrored Apartment

1:50 (m)(A3)





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