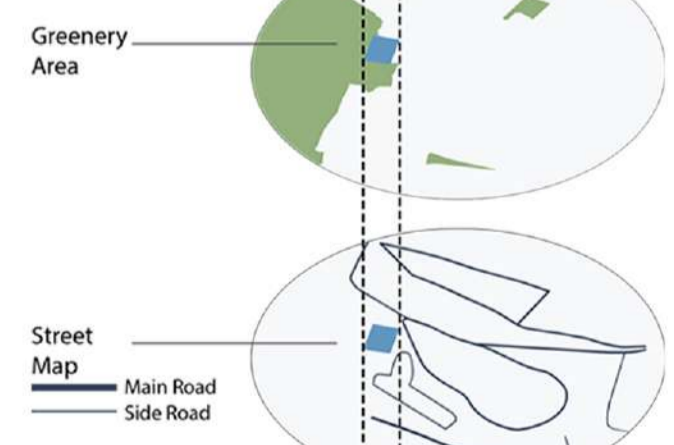
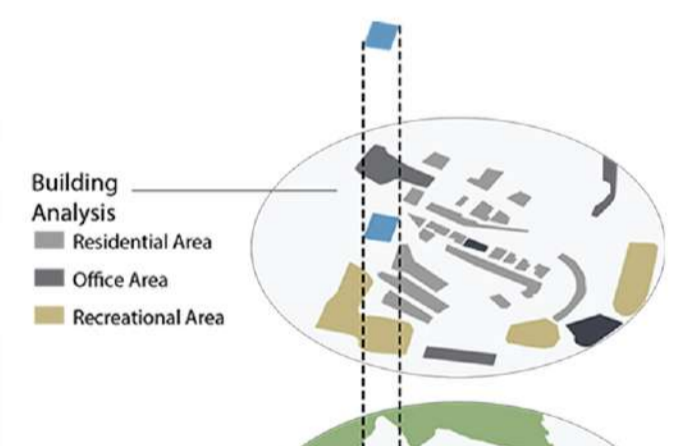


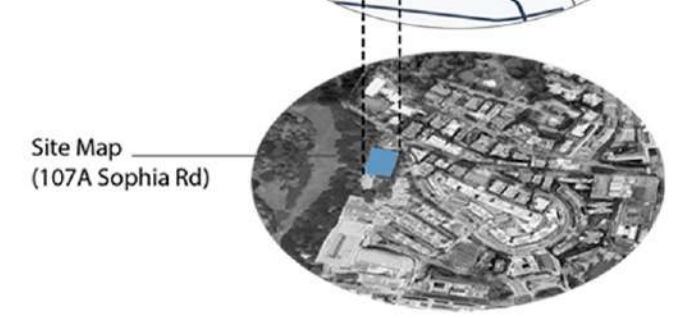


Section Elevation Physical Model

Site Analysis
 Site Address : 107A Sophia Road, Singapore 228172
 Site Area: 10,036 sqm
 Building Style : Art Deco



- Main road
- Side road
- Alleyway
- Bus stop
- MRT Station
- Site Access
- Nearby amenities
- Key neighbours



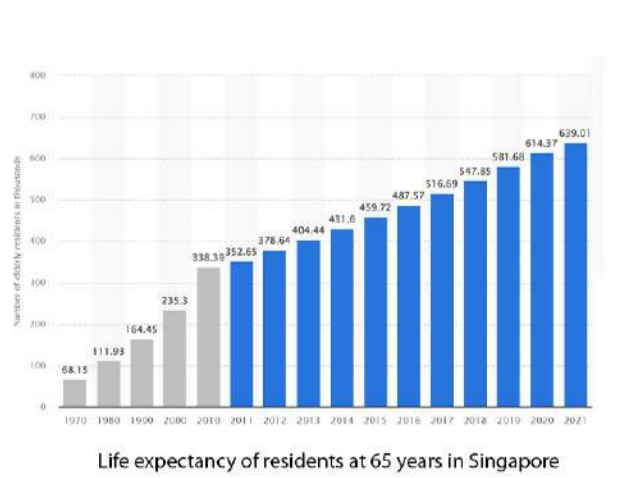
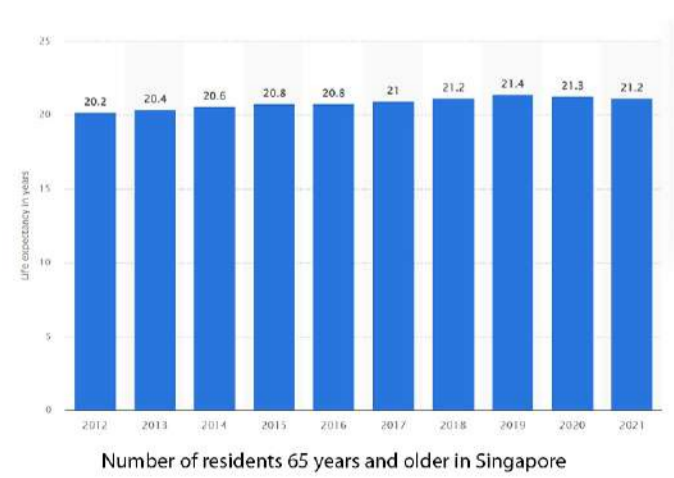
Project Brief

Enhancing social inclusivity in Singapore entails repurposing an 80-year-old building to address social issues and promote Design for Aging Gracefully. By valuing and accommodating the diverse needs of the local population, particularly in healthcare for the elderly, the project strives to foster a sense of equality and well-being. Through the implementation of high-quality programs, this eldercare facility ensures that all members of the community are treated equitably.

"Sparkling Flames" envisions an innovative and inclusive approach to elderly care by creating an anti-aging nursing home that embraces diversity, equity, and inclusion in Singapore where rapid urbanization and an aging population pose unique challenges.

At the core of our design philosophy is the concept of Salutogenic Architecture, which focuses on promoting health and well-being rather than merely preventing disease. Through the integration of emotional, physical, intellectual, and social involvement, we aim to create a nurturing environment that encourages residents to lead fulfilling lives and regain a sense of purpose with enhancing elderlyes' social inclusivity.

Data Collection



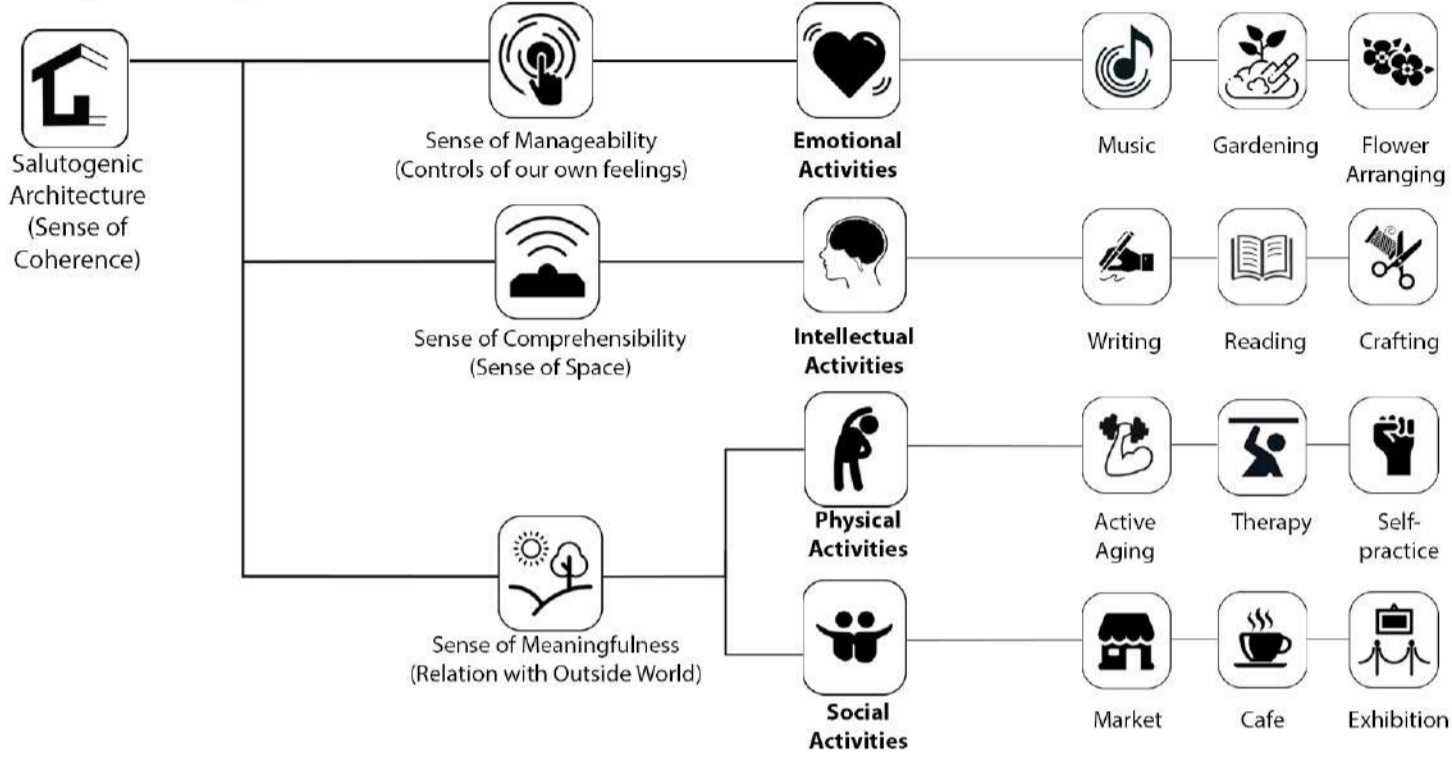
According to Asian Development Bank (2020), "In 2019, 14.4% of its population of 3.9 million people was aged 65 years or older, and by 2030, this figure is expected to rise to 25%, because of rising life expectancy and lower fertility rates." Moreover, looking from demographic location, Singapore is an overcrowded city with shortage of land which increase the cost of housing and building density.



Singapore's life expectancy is one of the highest in the world and the number of those aged 65 and over is projected to increase to 900,000 by 2030. In fact, most elderly lose their purpose of life and only wait for days to pass by. Therefore, eldercare facilities need to be improved to ensure that seniors can age comfortably and with dignity. Also, the space needs to prioritize inclusivity by actively involving the elderly population in our society.

The site background are fronted by an Art Deco three-storey building joined to a 'c' shaped two-storey mansion at the rear. Those buildings were completed at separate period: twostorey mansion in 1939 and the three-storey building in 1953.

Design Strategy



Emotional involvement is fostered through the careful selection of activities such as music workshop, gardening, and flower arranging workshop. We understand that elderly have unique emotional needs, and our spaces are designed to provide comfort and solace, enhancing their overall well-being.

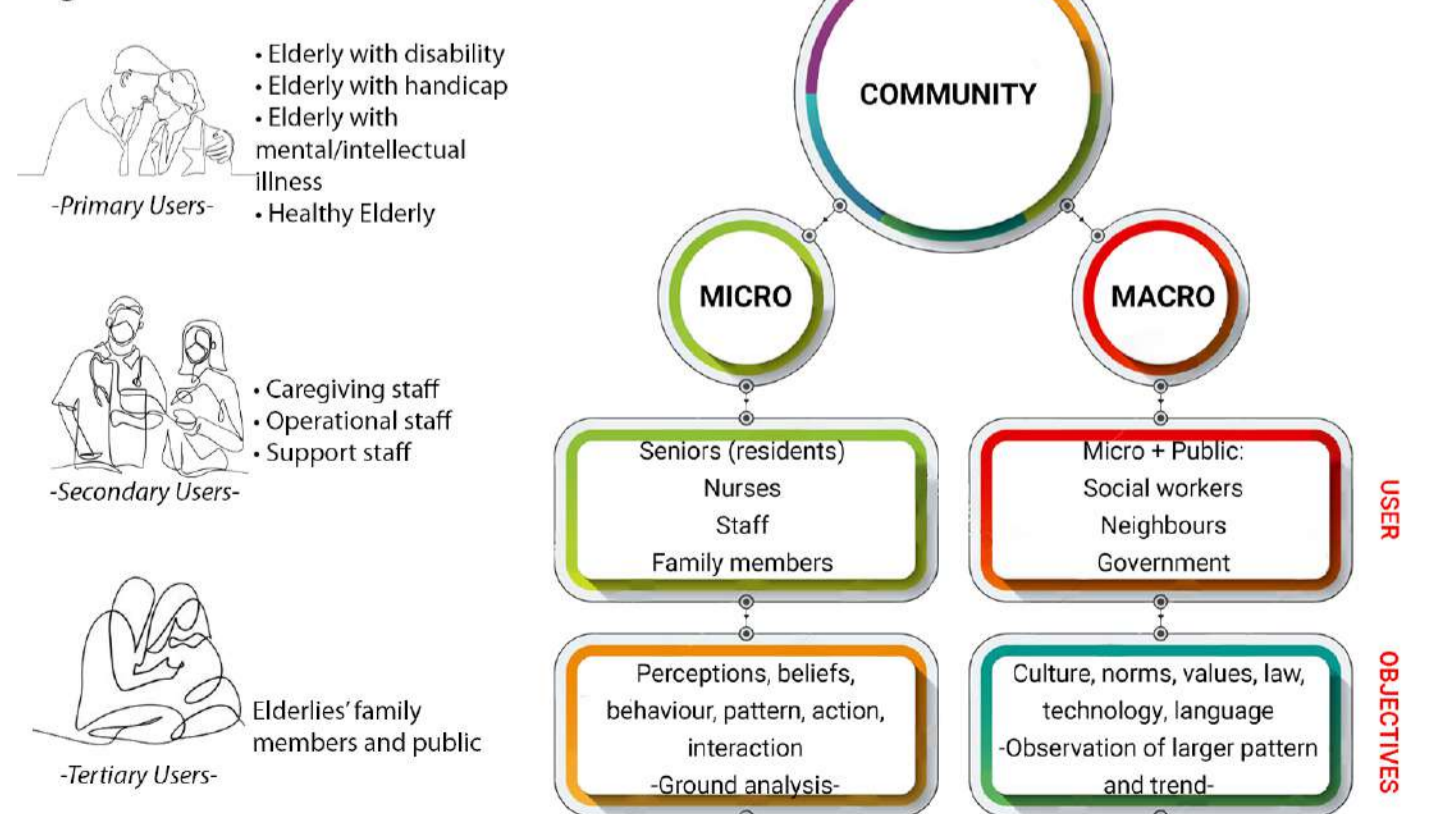
Physical involvement is facilitated by incorporating elements that encourage mobility, such as spacious corridors, accessible amenities, and outdoor spaces designed to promote exercise and engagement with nature. Our nursing home is equipped with fitness facilities tailored to the elderly, encouraging them to maintain an active and healthy lifestyle.

Intellectual involvement is stimulated through the integration of spaces for learning, creativity, and personal growth. We provide dedicated areas for reading, arts and crafts, and skill development, enabling residents to pursue their interests and engage in lifelong learning. By valuing their intellectual abilities, we empower our elderly residents and ensure that their knowledge and wisdom are celebrated.

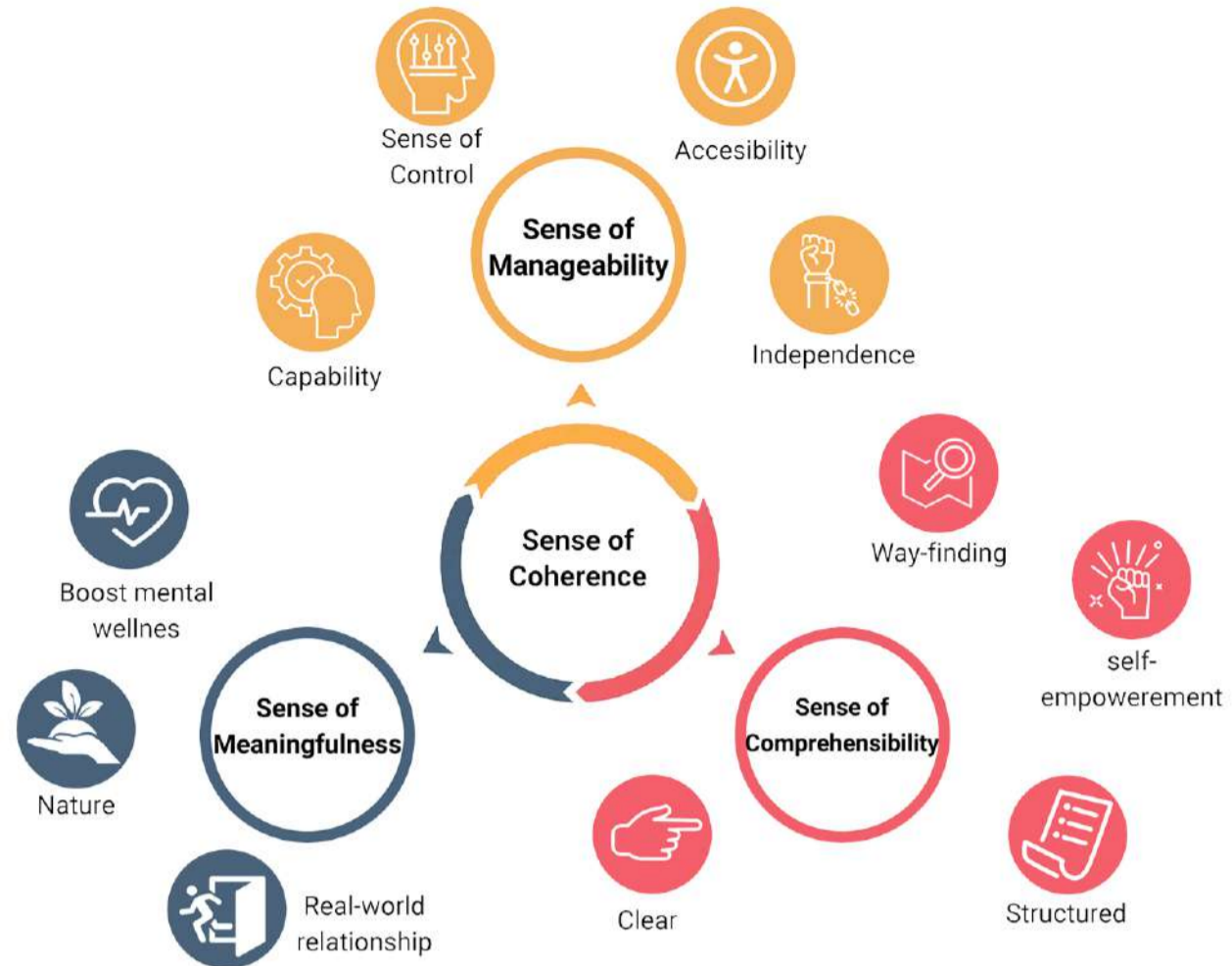
Social involvement lies at the heart of our design. We create communal spaces that foster interaction, communication, and a sense of community among residents, staff, and visitors. Our nursing home embraces diversity, welcoming individuals from different cultural backgrounds, and providing opportunities for intergenerational connections. We believe that diverse perspectives and experiences enrich the lives of our residents and create an inclusive environment that nurtures a sense of belonging.

This project aims to challenge traditional notions of elderly care and create a nursing home that goes beyond meeting basic needs. By focusing on diversity, equity, and inclusion, we strive to empower our elderly residents, stimulating their brains and encouraging active participation in various aspects of life. We believe that every individual, regardless of age, deserves to live a life filled with purpose, dignity, and joy.

Target Users

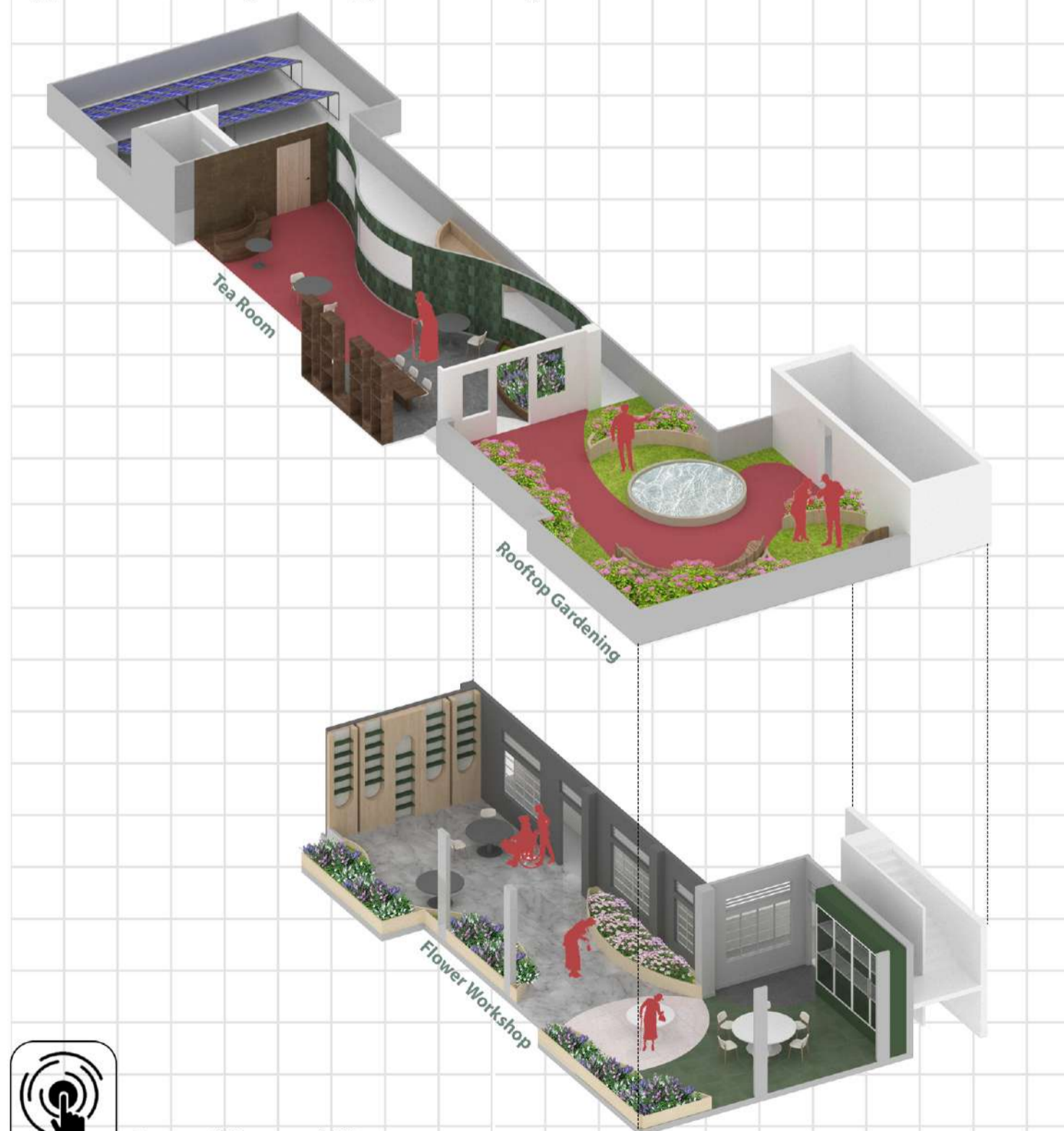


Salutogenic Architecture

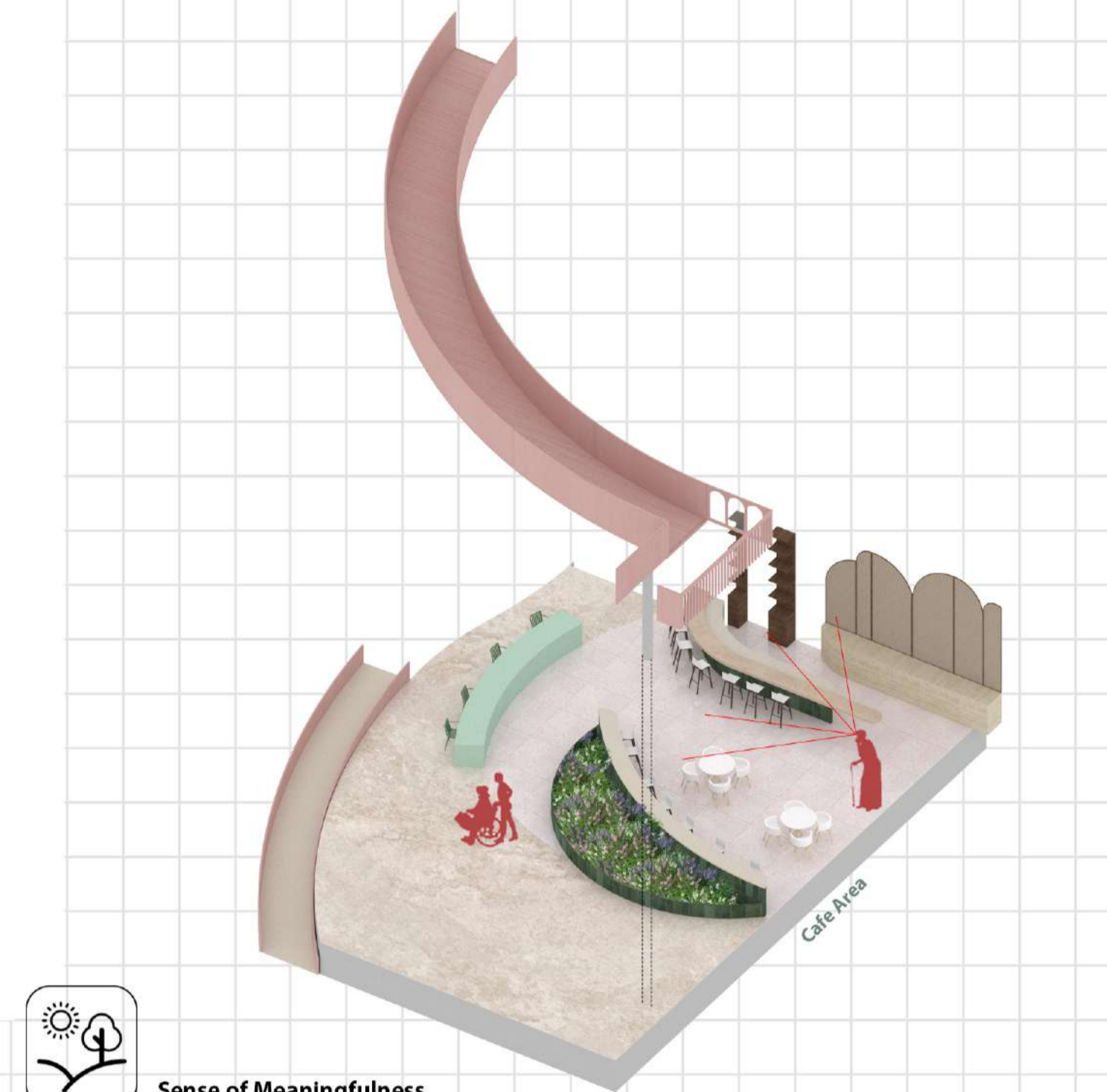


Salutogenesis is derived from 'salus' meaning health and 'genesis' meaning origin which is defined as the origin of health. Sense of coherence in Salutogenic Architecture evaluates the person's perception of life to control their feelings by improving and maintaining their health and well-being. Therefore, sense of coherence can be measured and can be seen as ordinal scale since each of us is located at some point in the sense of coherence. There are three main components to define sense of coherence – manageability, comprehensibility, and meaningfulness.

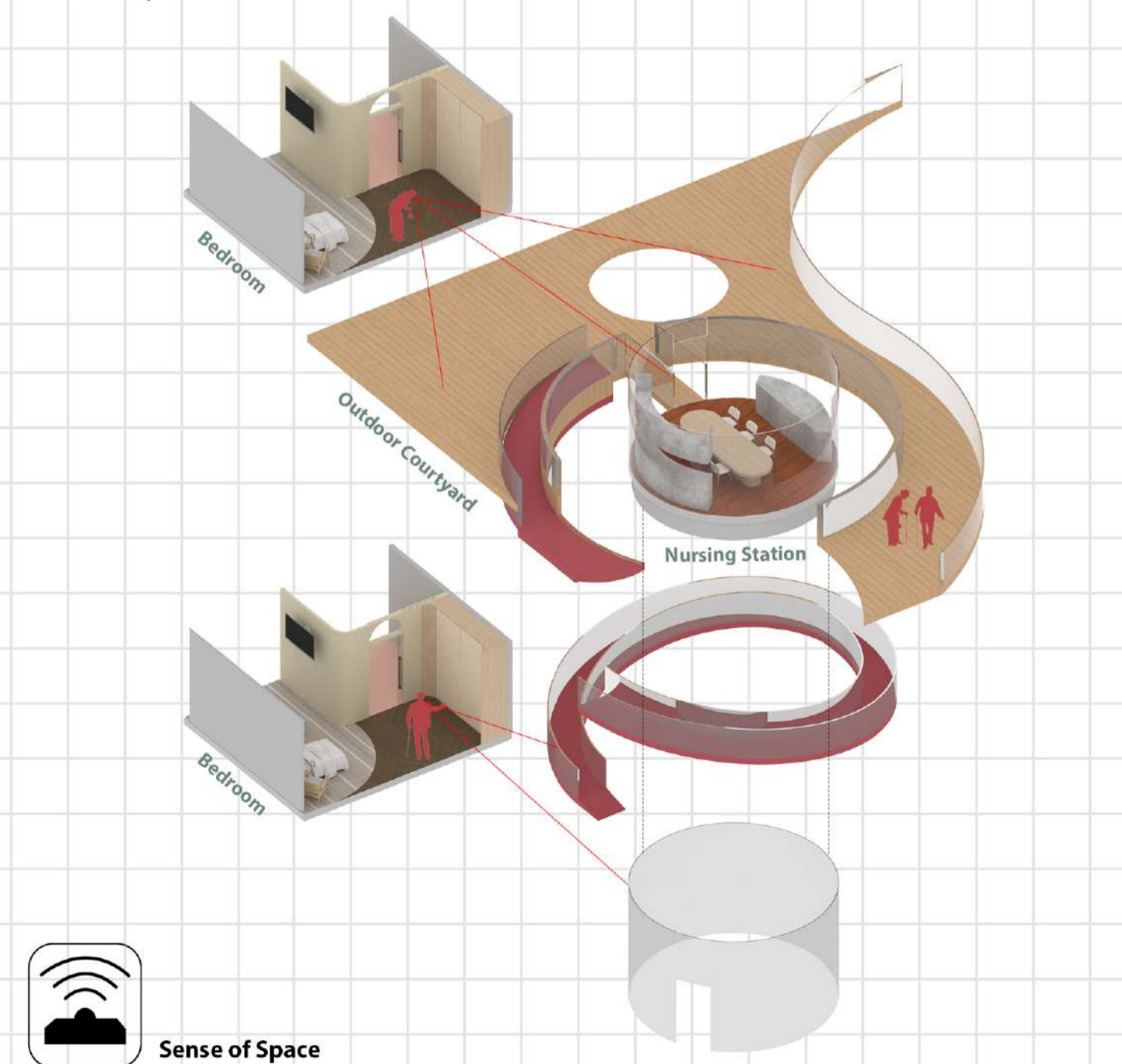
Application of Design Strategy with Salutogenic Architecture



Sense of Manageability
This area provides emotional activities that enhance the enjoyment of daily life for the elderly. The rooftop features a wide variety of flowers, which is connected to the flower arranging workshop on the lower level. On the other side of the rooftop, elderly can relax and enjoy tea made from carefully selected leaves and flowers.



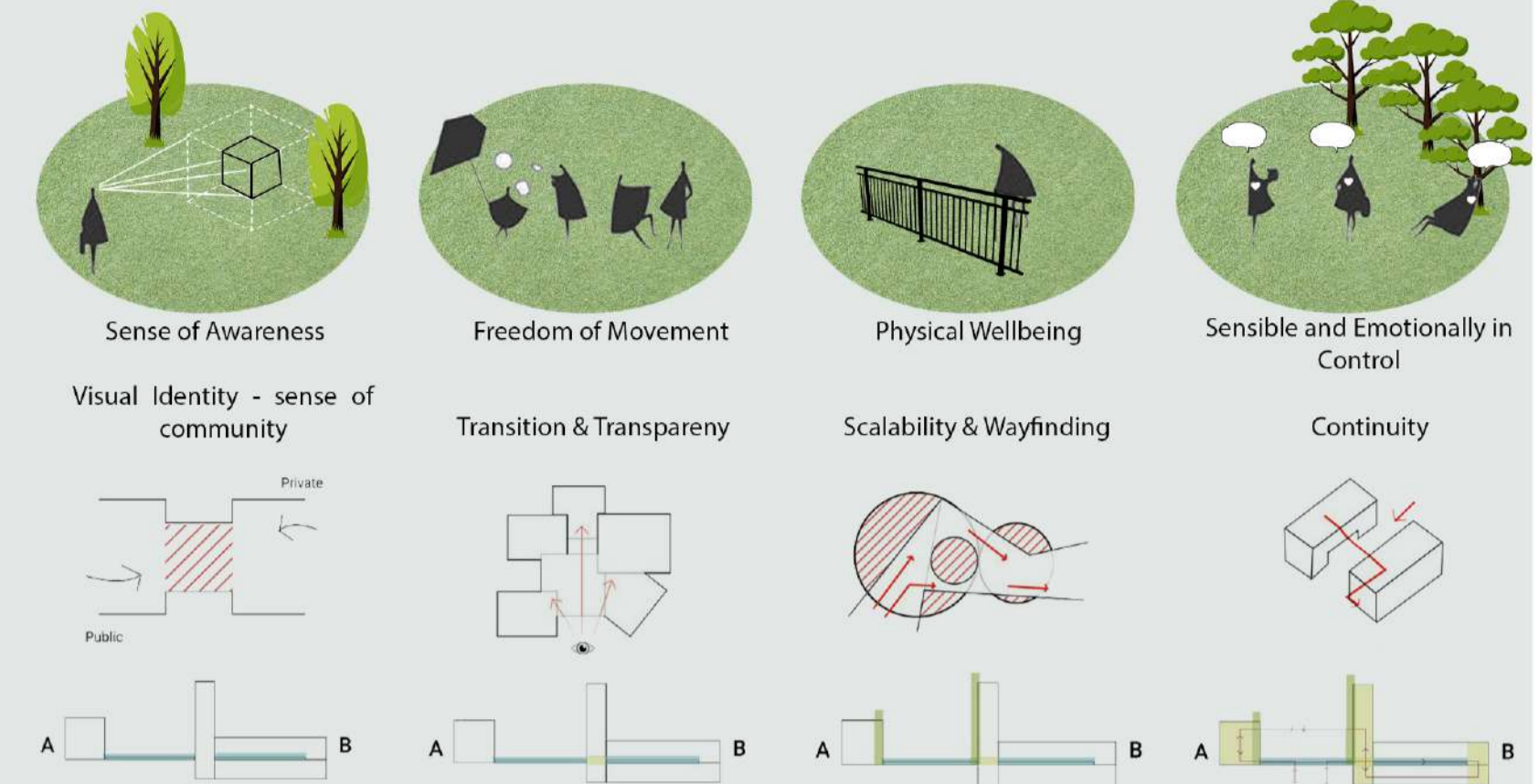
Sense of Meaningfulness
Residents will have a connection to the outside world in this cafe area. It serves as a space where both the public and residents can come together, mingle, and interact. Above the cafe, there is a bridge that connects the public area to the workshop area.



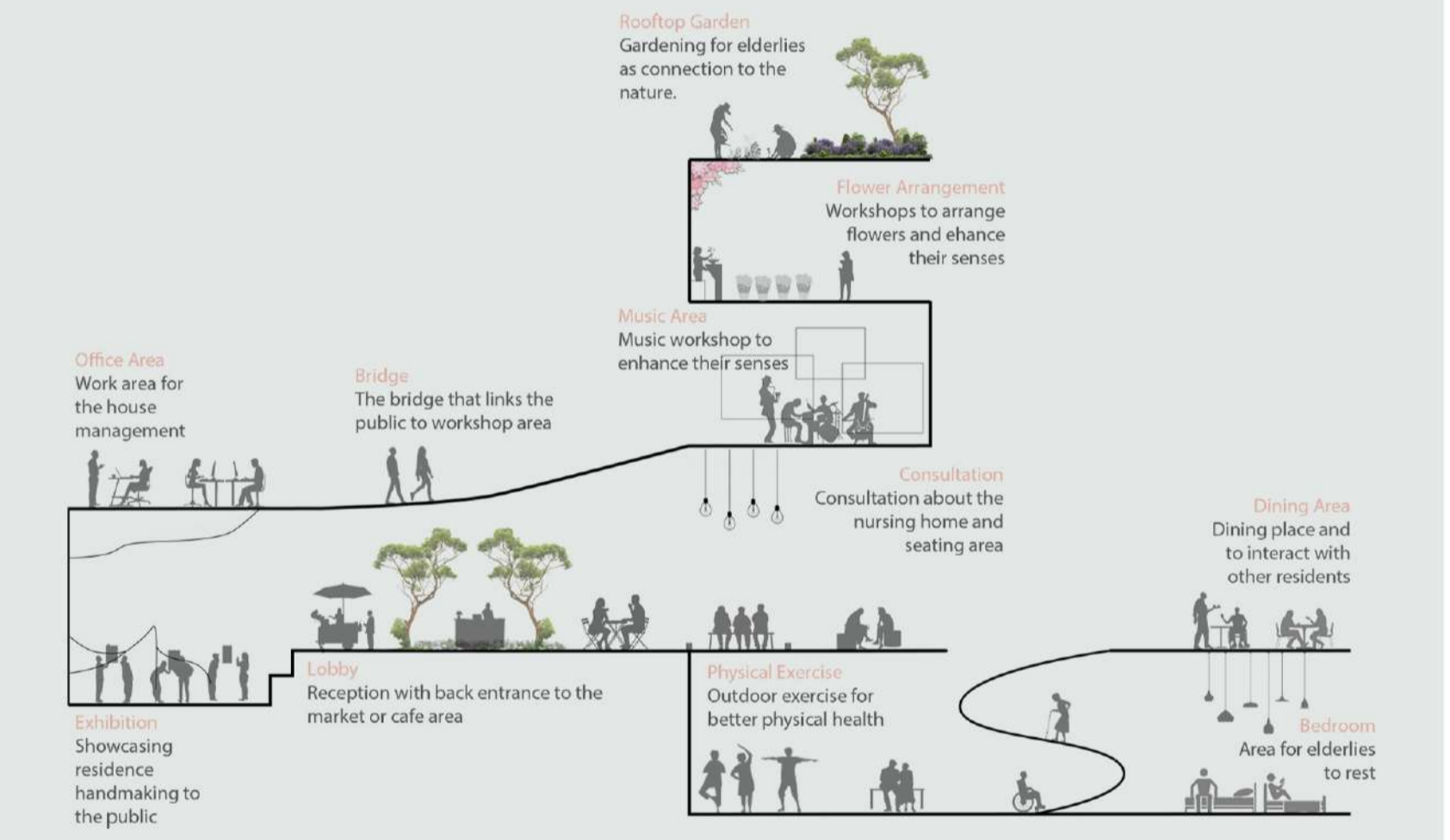
Sense of Space
Residents will have a sense of spatial awareness from their own rooms, as all the rooms are connected to the outdoor courtyard. The nursing station is centrally located in the two-storey atrium, making it convenient for nurses to observe and assist the elderly when necessary.

Spatial Concept

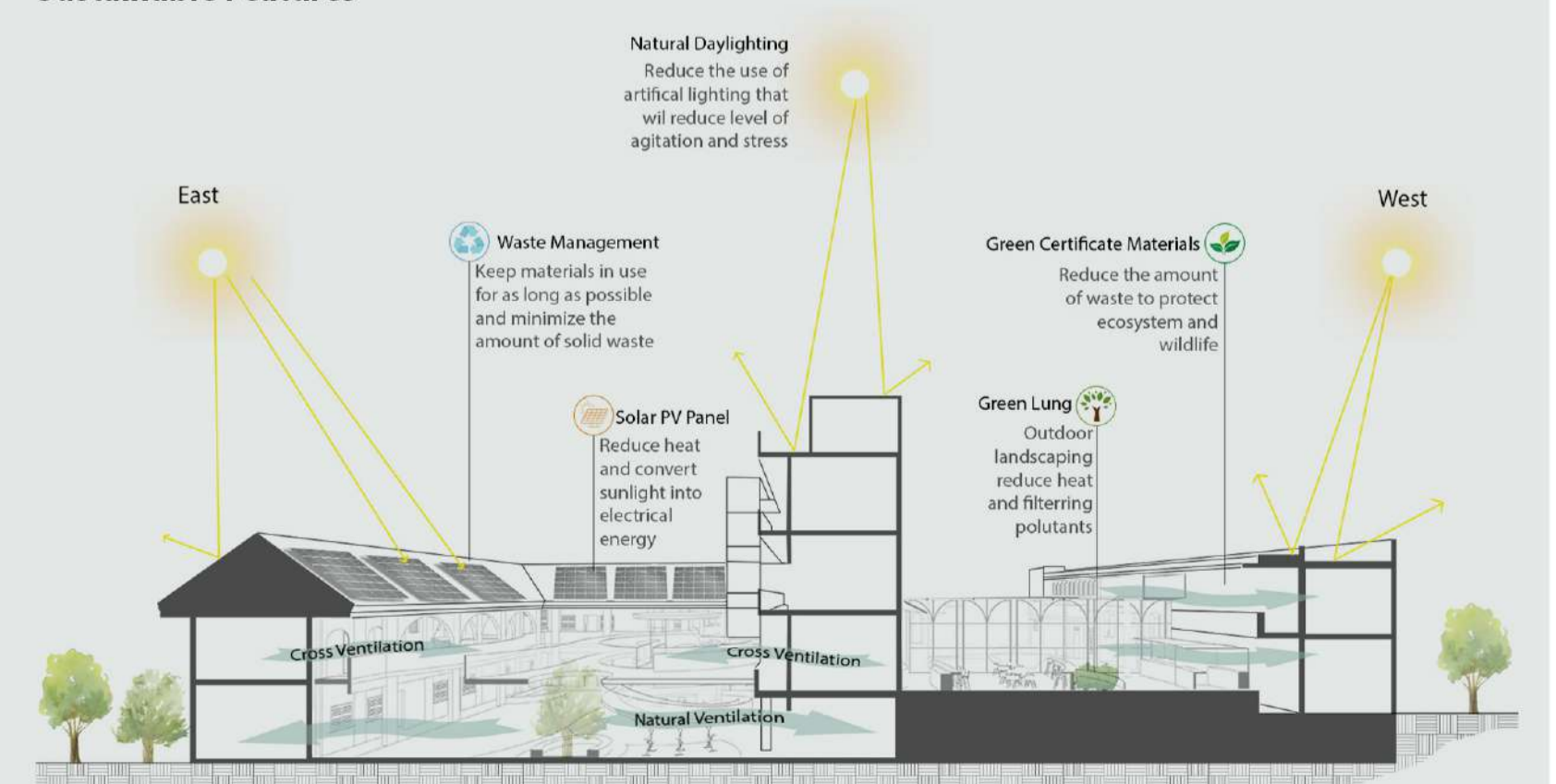
By facilitating a self-discovery journey within the space, elderlies have full control over their personal thoughts and actions, allowing them to determine their own pathways within their home. This approach enhances their self-awareness and enables them to explore their journey within the space.



Program Diagram



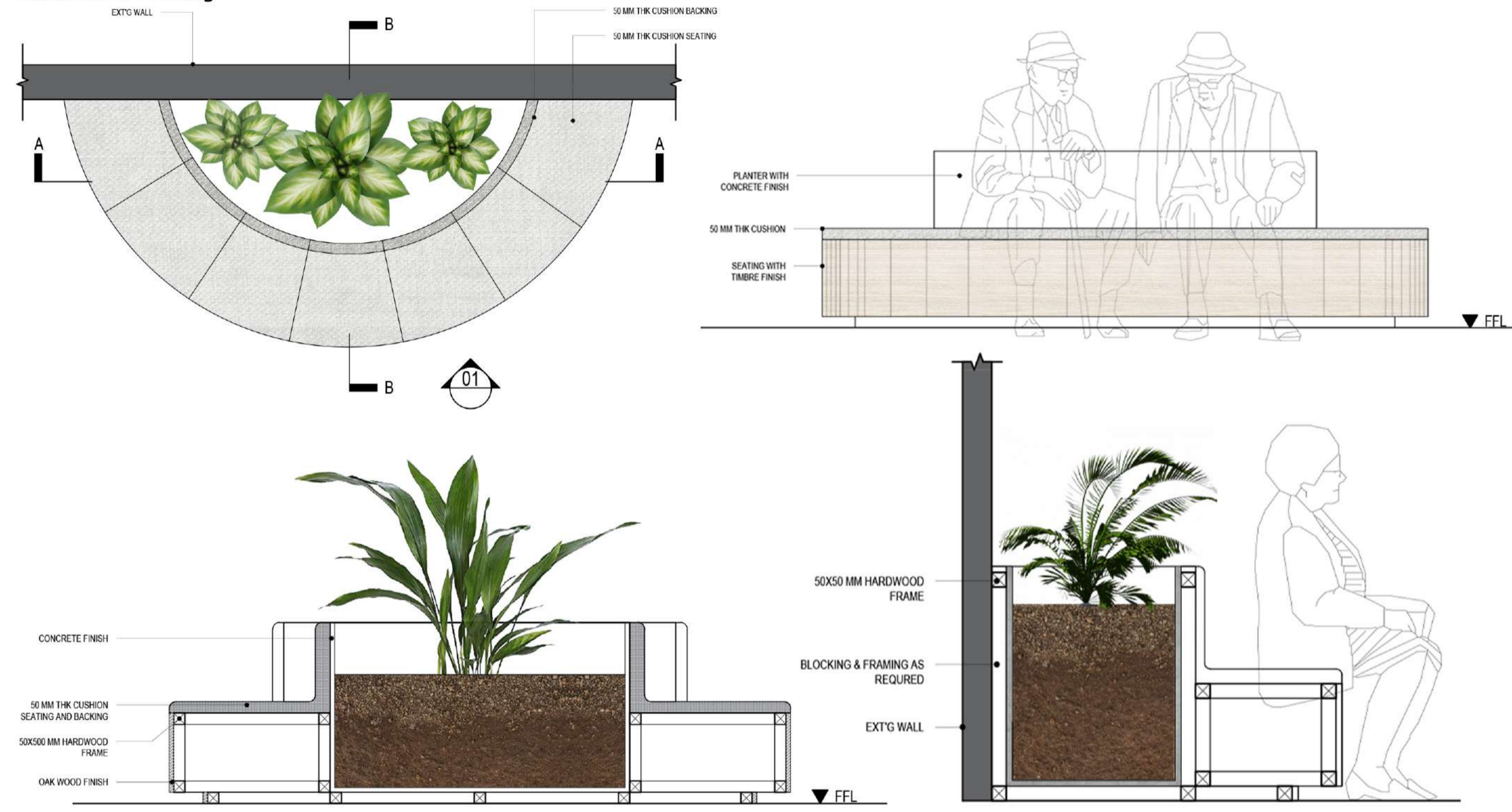
Sustainable Features



Material Board



Construction Drawing



Double Bedroom - The nursing home have two types of bedroom (single and double). There are more double bed than single bed to encourage residents to have more social interaction and tackle loneliness.



Rooftop Gardening - The rooftop gardening space for elderlies has been designed with a focus on promoting emotional well-being and creating a therapeutic environment.

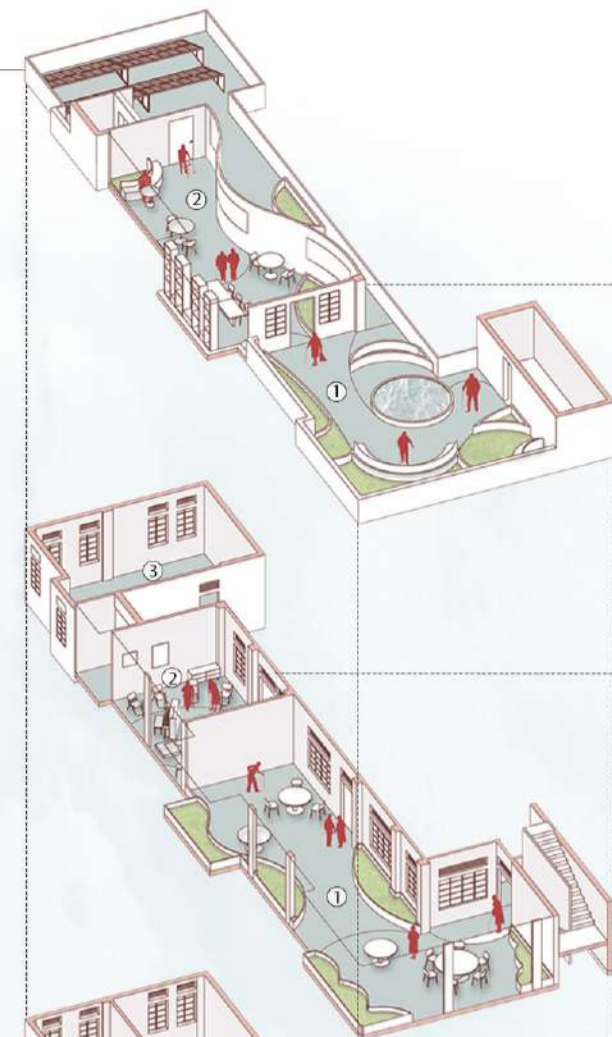


Entrance - The entrance of the nursing home for elderlies has been thoughtfully designed to prioritize social interaction and create a warm and welcoming environment.

Isometric View



ROOFTOP GARDEN



- RF**
 Rooftop Garden 1
 Tea Room 2

- 3F**
 Flower Arranging Area 1
 Choir Room 2
 Music Workshop 3

- 2F**
 Library 1
 Crafting Area 2
 Relaxation Place 3
 Painting Room 4

- 5 Meeting Room
 6 Office Area
 7 Pantry
 8 Director Room

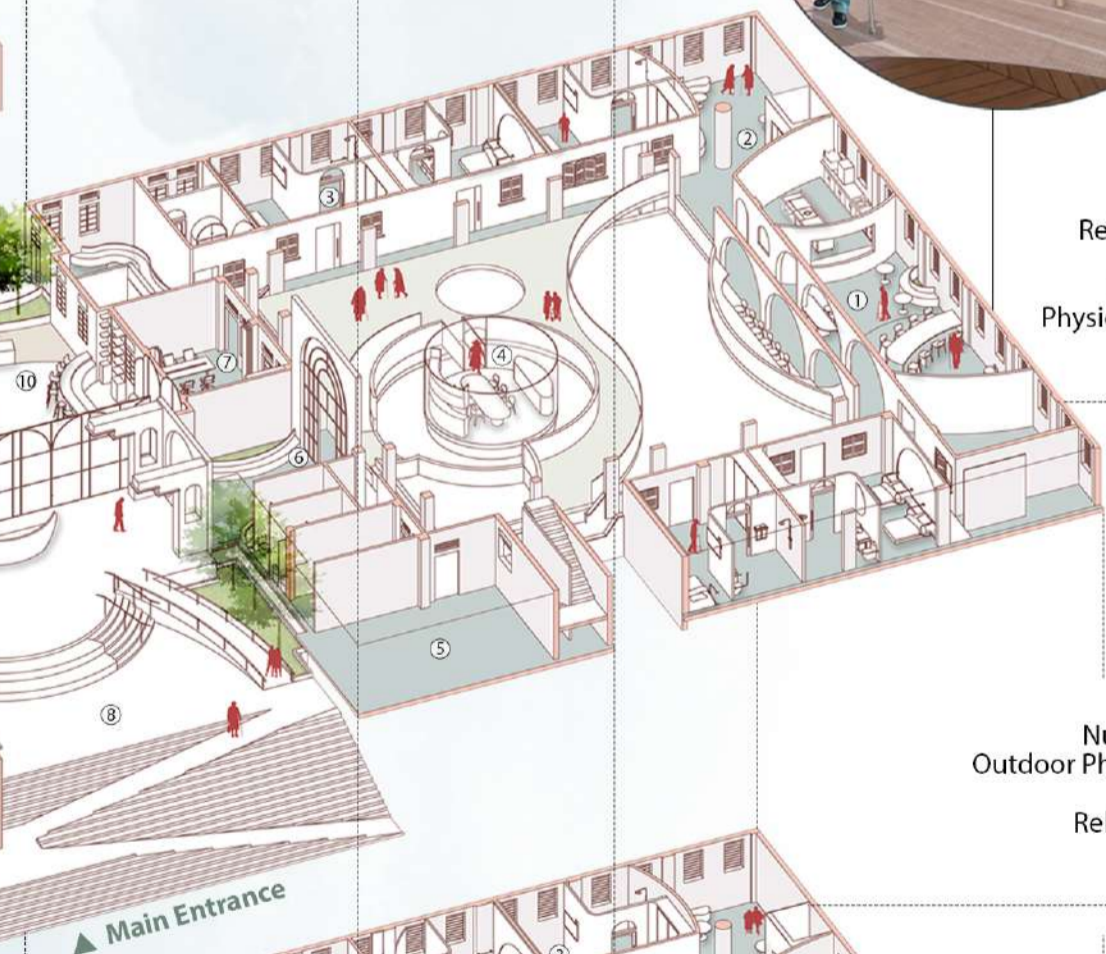


SINGLE BEDROOM

- 1F**
 Dining Area 1
 Relaxation Place 2
 Bedroom 3
 Nurse Station 4
 Physiotherapy Area 5
 Waiting Area 6
 Consultation 7

- 11 Multimedia Room
 12 Display Area
 13 Private Lounge

- 8 Main Entrance
 9 Market Area
 10 Cafe Area



- GF**
 Nursing Station 1
 Outdoor Physical Activity 2
 Bedroom 3
 Relaxation Place 4
 Yoga class 5
 Salon Area 6



MAIN ENTRANCE



Cafe Area - This is the social activity area where elderlies can create meaningful memories with their family and friends.



Library - Reading books and writing scripts maintain elderlies intellectual ability to keep their memories sharp that will enhance their sense of space.



Dining Area - Elderlies can interact and socialize with one another while enjoying their meals. This interaction serves as bridge to restore sense of meaningfulness in their lives.



Outdoor Courtyard - The outdoor courtyard designed for elderlies combine elements of nature and socialization to create a welcoming and inclusive space. With careful consideration for their needs, the courtyard provides a safe and accessible environment for seniors to engage in social activities and connect with others.



Flowers Arranging Workshop - This is the flowers arranging area where elderlies can engage in creative activities and collaborate with their neighbors to create beautiful bouquets. This activity aims to enhance their emotional well-being by fostering the ability to manage and express their own feelings.

