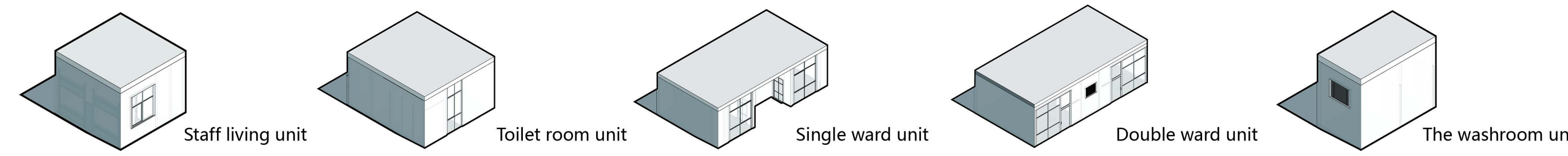
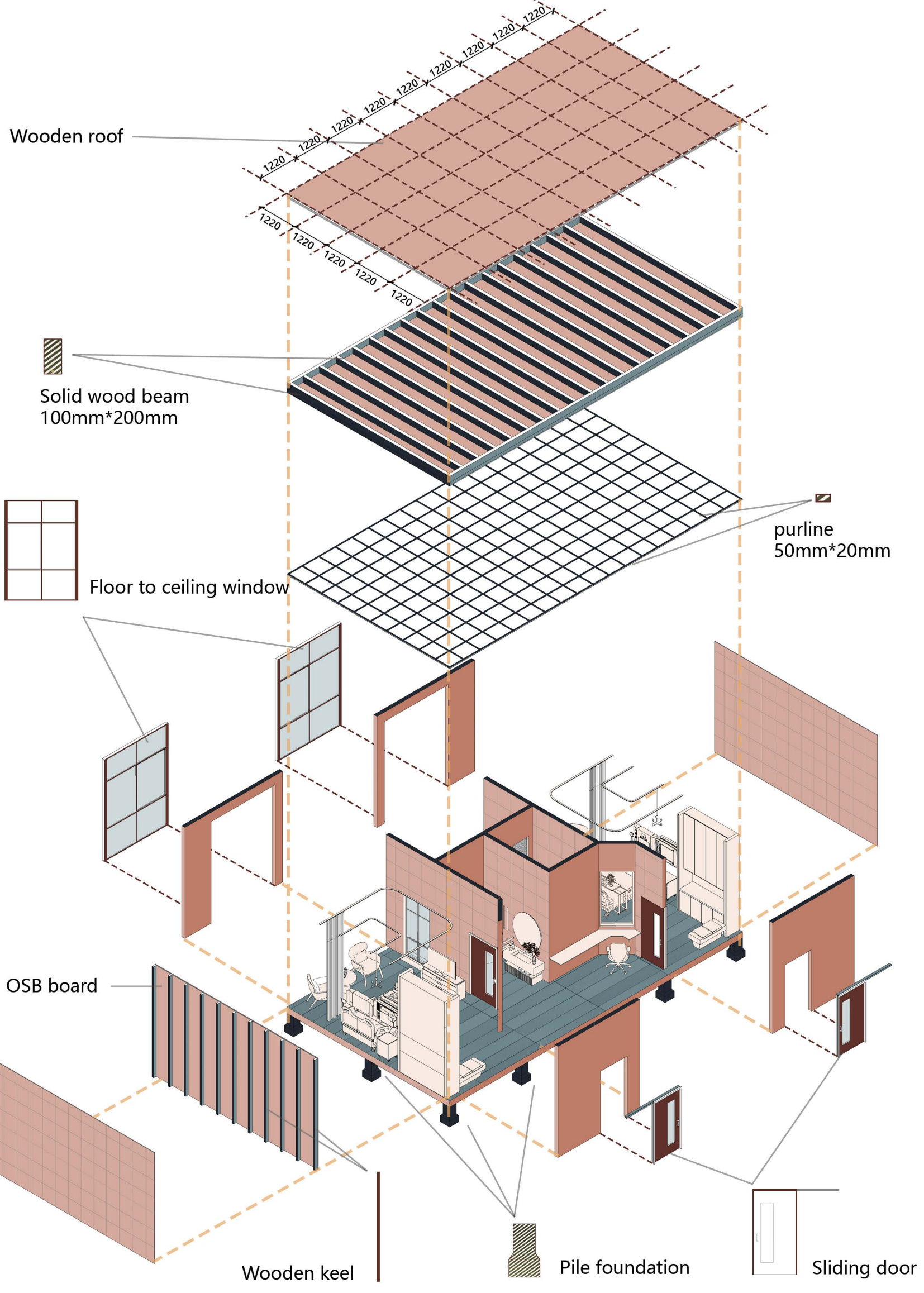
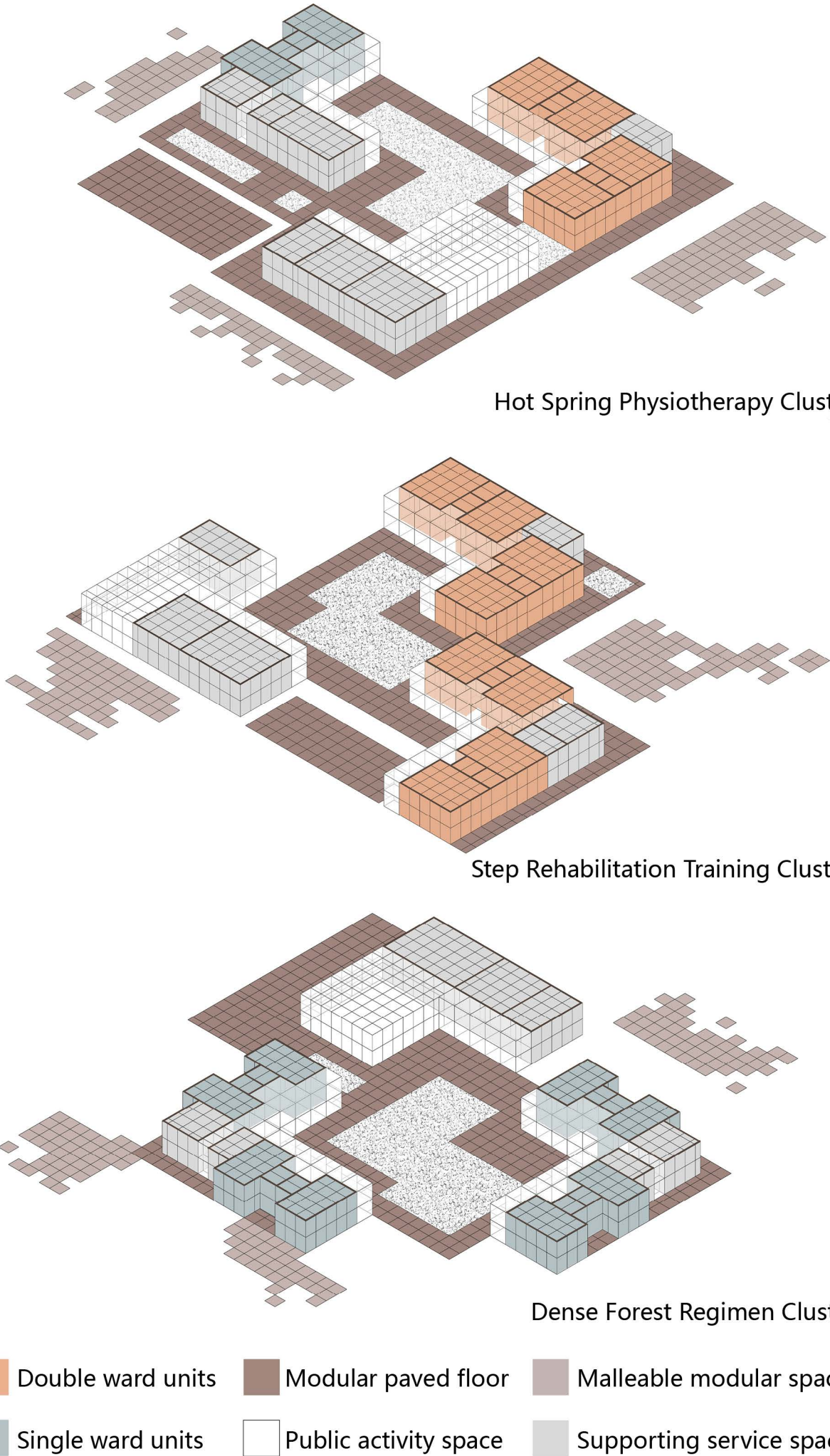


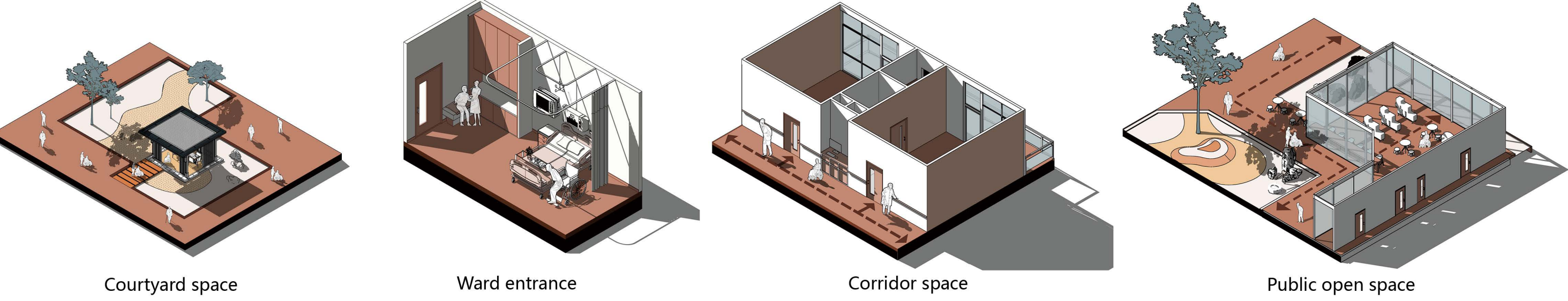


Prefabricated modular building

The building adopts a prefabricated lightweight wooden structure, and the ward units are formed into modules, which are convenient for transportation and construction at various stroke promotion points in the city. The building material module is 1200mm*1200mm, which is in line with the international requirements for wood assembly.



Rehabilitation in everyday life

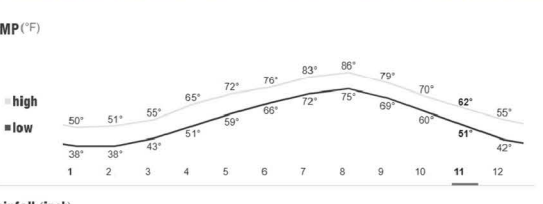
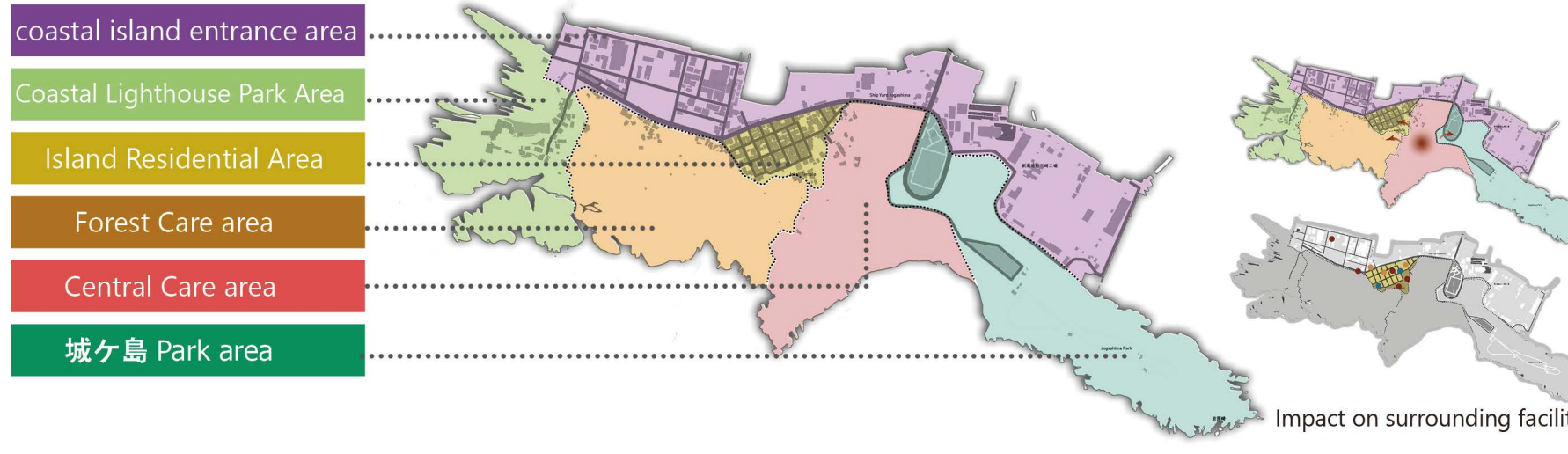
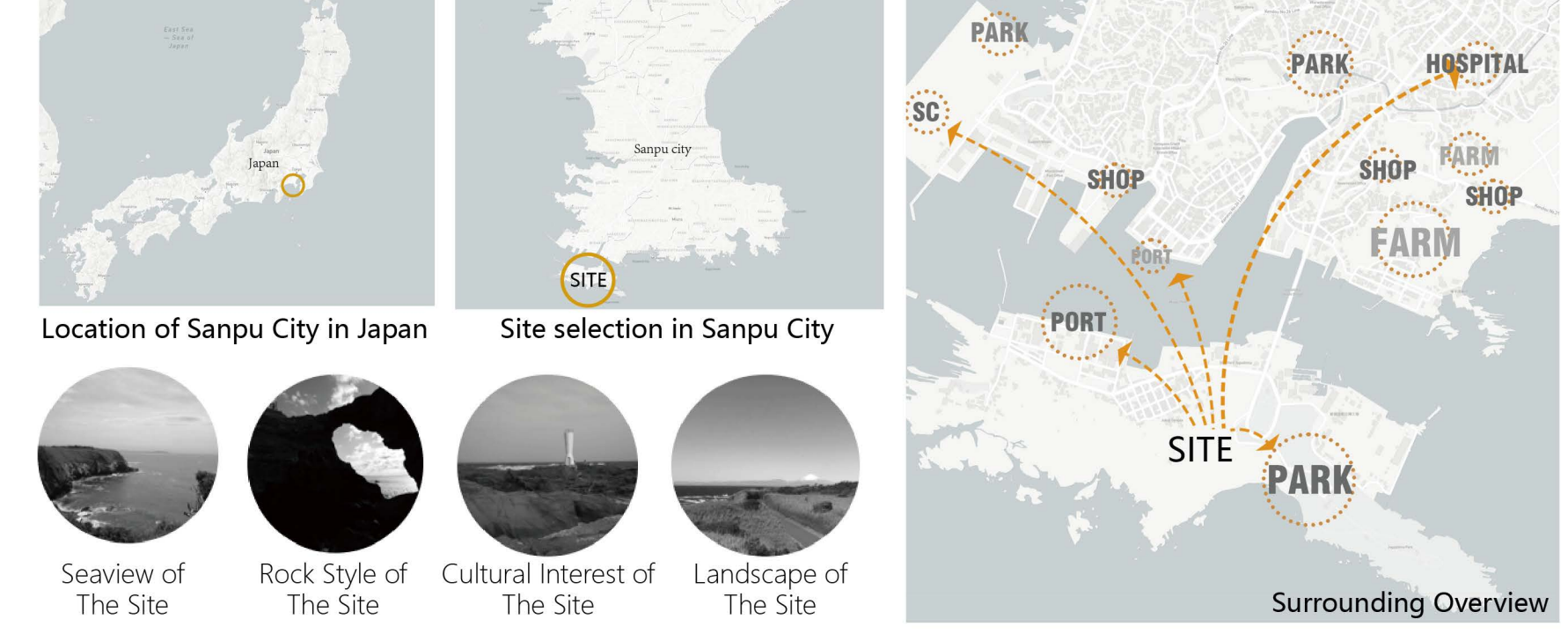


Forest restoration

Forest recuperation is a type of landscape that has emerged in Japan in recent years with the goal of rehabilitating health care functions. The site has good forest landscape conditions, and a series of forest recuperation activities such as forest yoga, forest cleaning, touch handicrafts, etc. for stroke patients can help patients increase the absorption of negative oxygen ions and restore social life as soon as possible.

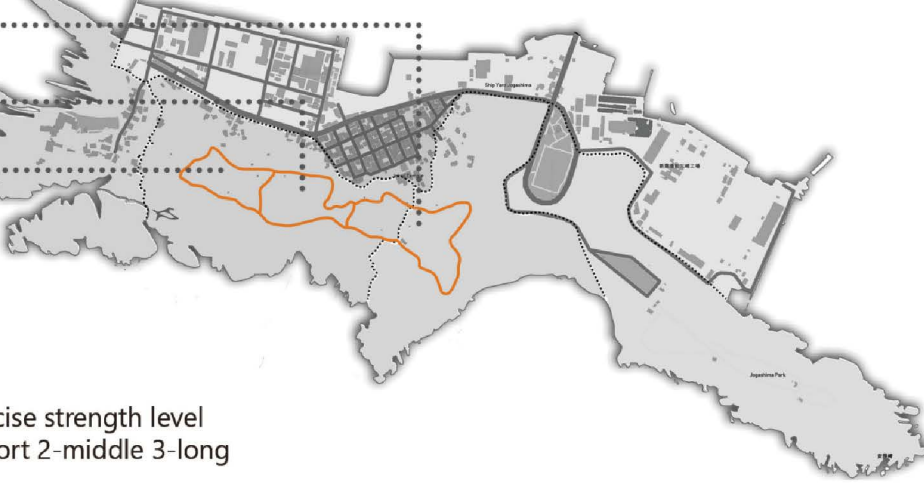
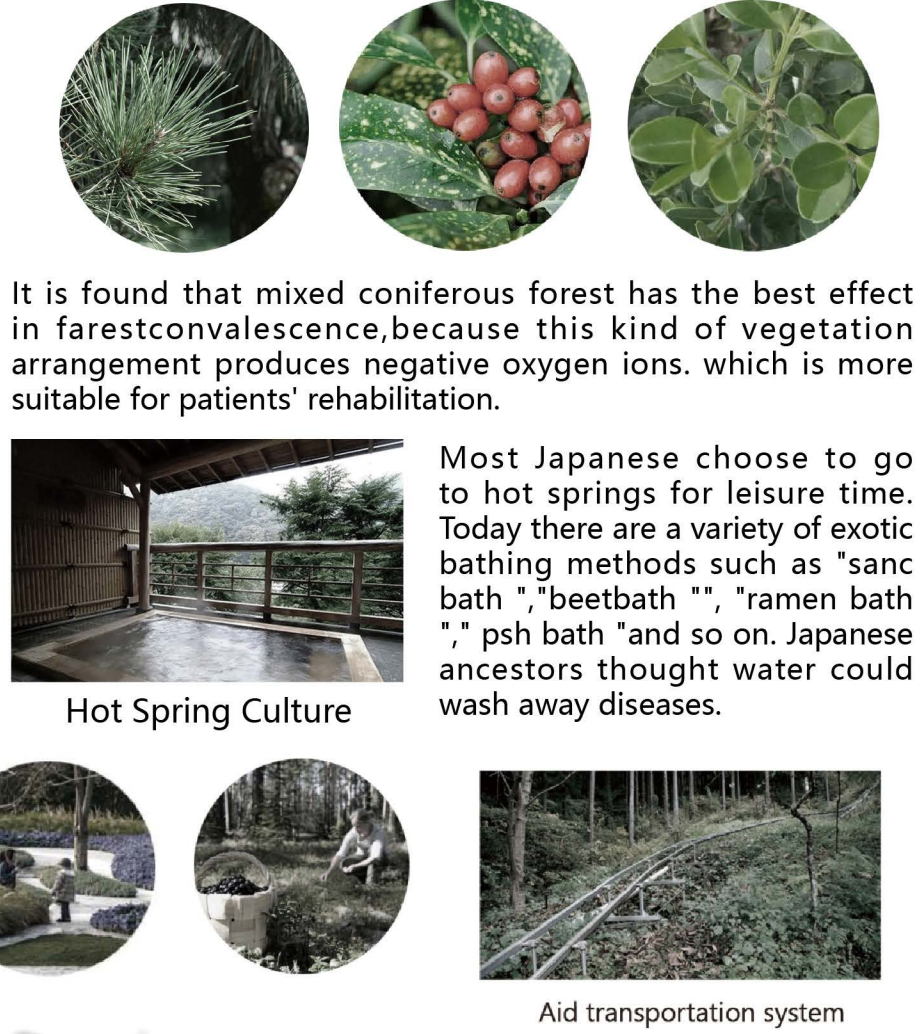


Design Description:
The Island Stroke Rehabilitation Center is located in the city island of Sanpu, Kanagawa Prefecture, Japan. The climate here is pleasant and the vegetation is rich, which is suitable for the rehabilitation of stroke patients. This program is mainly aimed at the rehabilitation of patents in walking period to provide a basis for their return to normal social life. The scheme is composed of three basic groups, they are all modular buildings and can extend infinitely to external spaces, providing the possibility of adding more functional spaces in the future, while also better integrating into nature. These three groups are applicable to patents in different stages of waking, and has forest recuperation, hydrotherapy, picking and other characteristic therapies. Walking facilities for patients' families and local residents are also arranged in the plan. Choosing the prefabricated type can greatly save construction time, and prefabricating the same components on-site can reduce labor costs, while also facilitating future expansion of building space.



There are two peaks for stroke, one is in the cold winter when the temperature is below 0 °C, and the other is in the middle of summer when the temperature is above 32 °C. According to clinical investigation, every year in July and August cerebrovascular disease attack and mortality is a small peak. The minimum temperature is 3.3 °C (in January and February) - 30°C (in August) which meets the requirements.

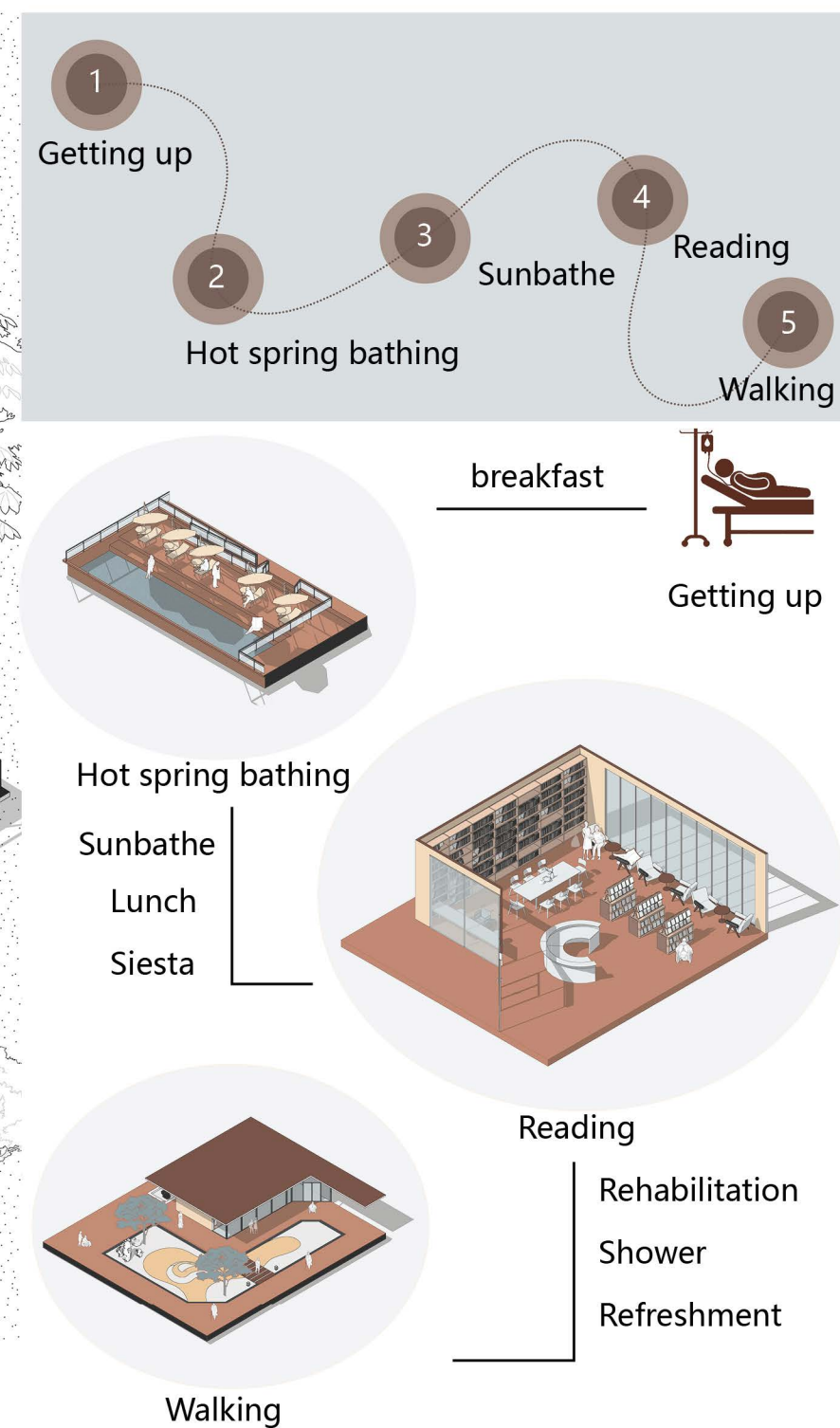
Plant & Culture Analysis



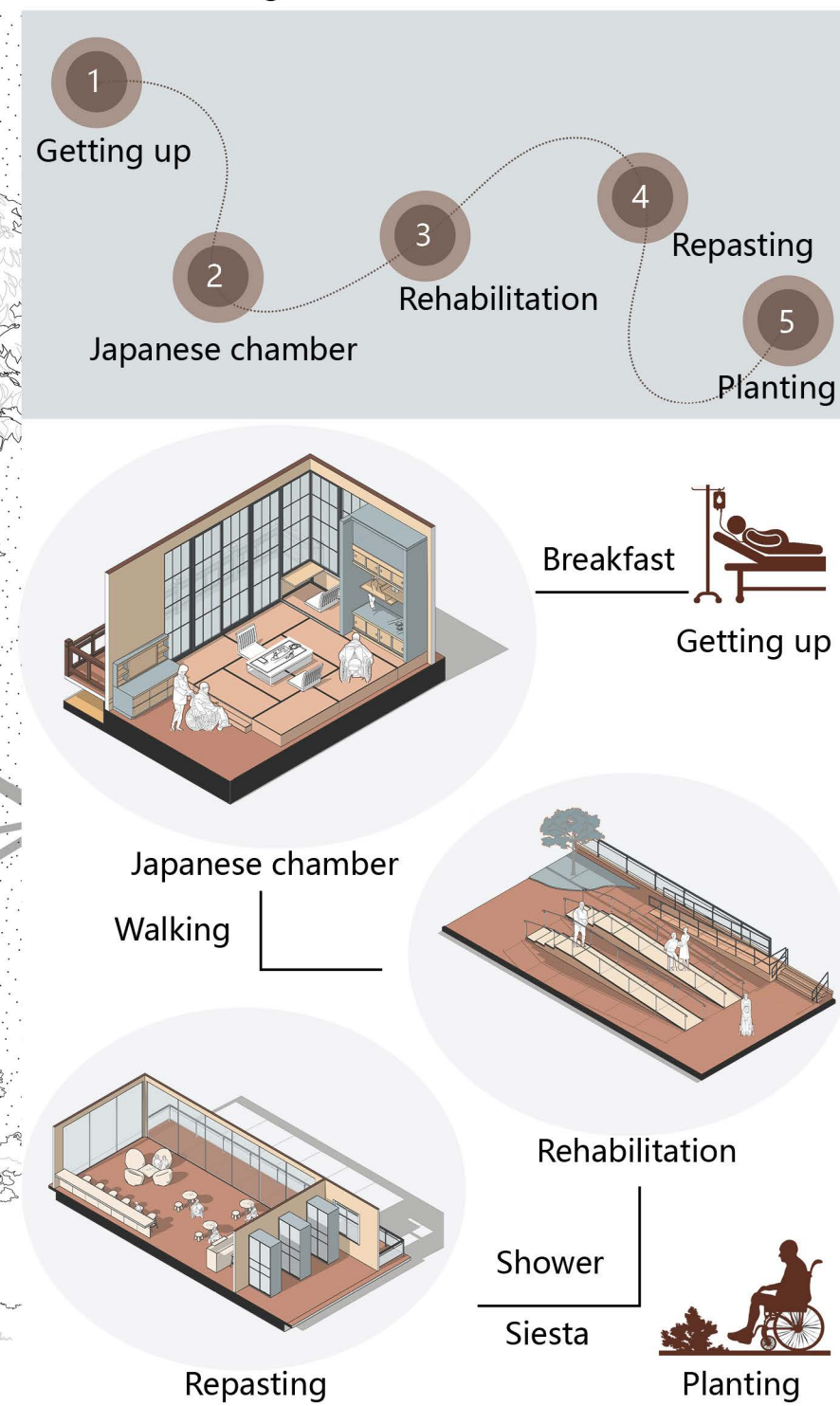
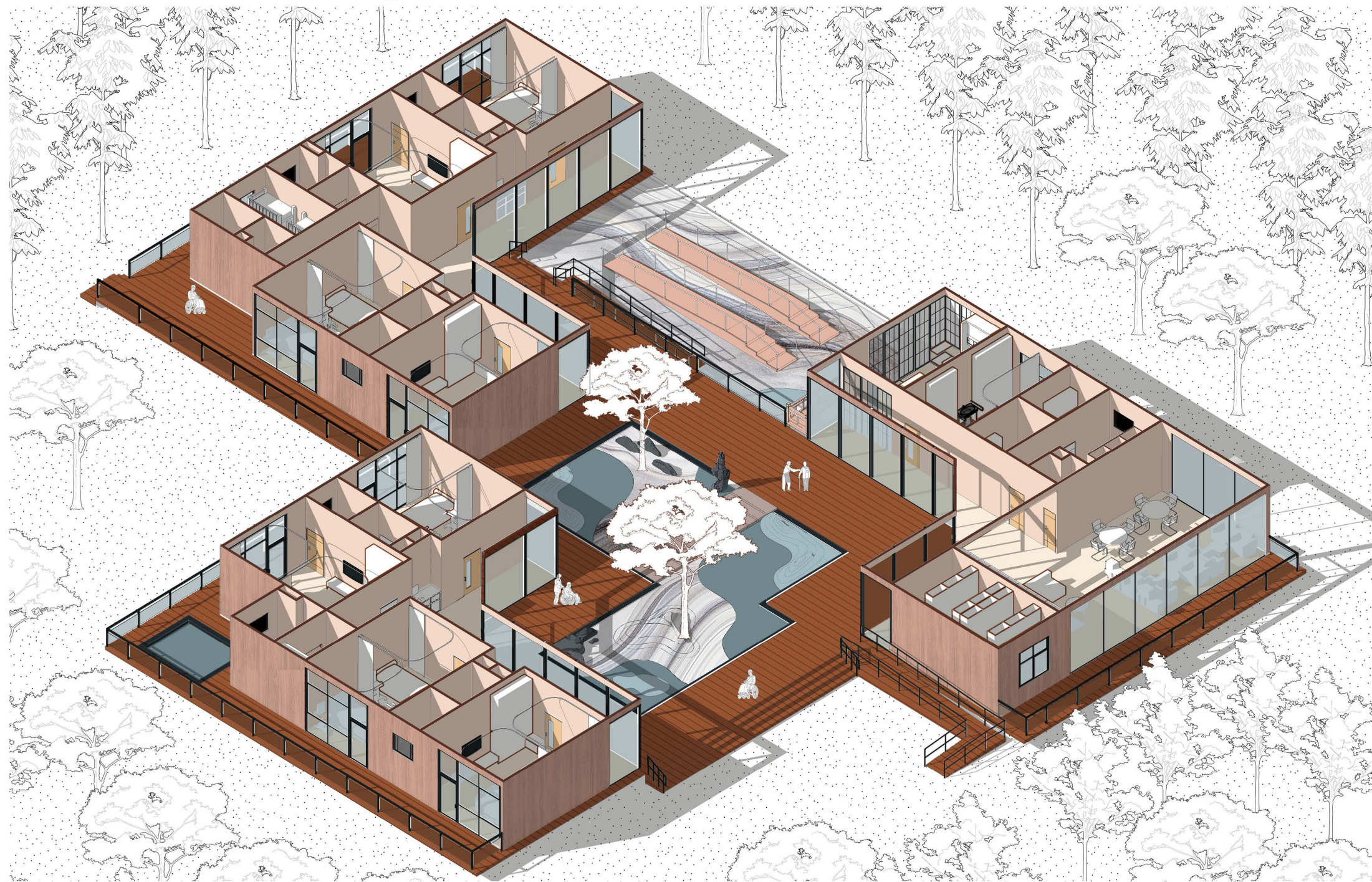
First Floor Plan 1:500



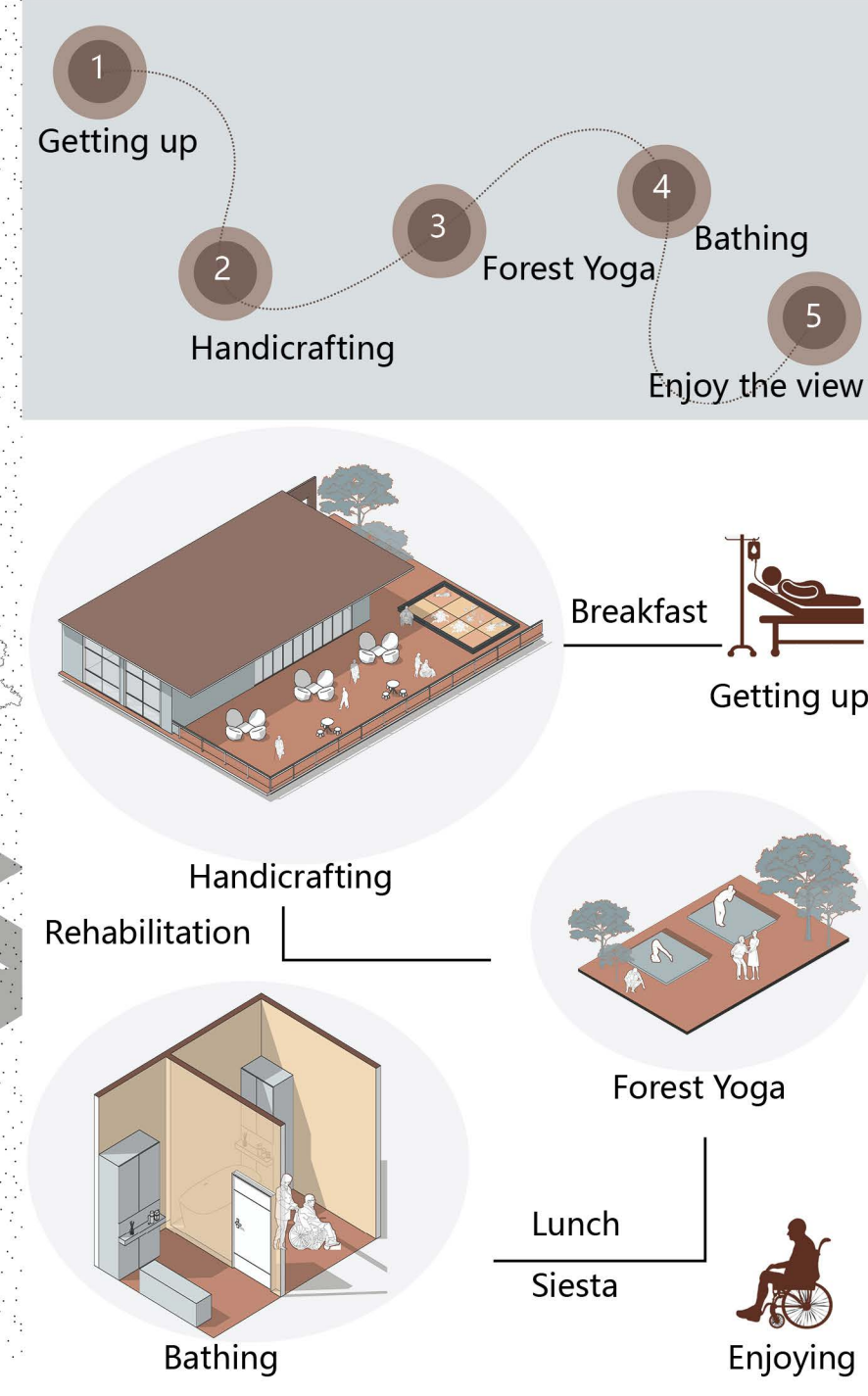
Hot Spring Physiotherapy Cluster

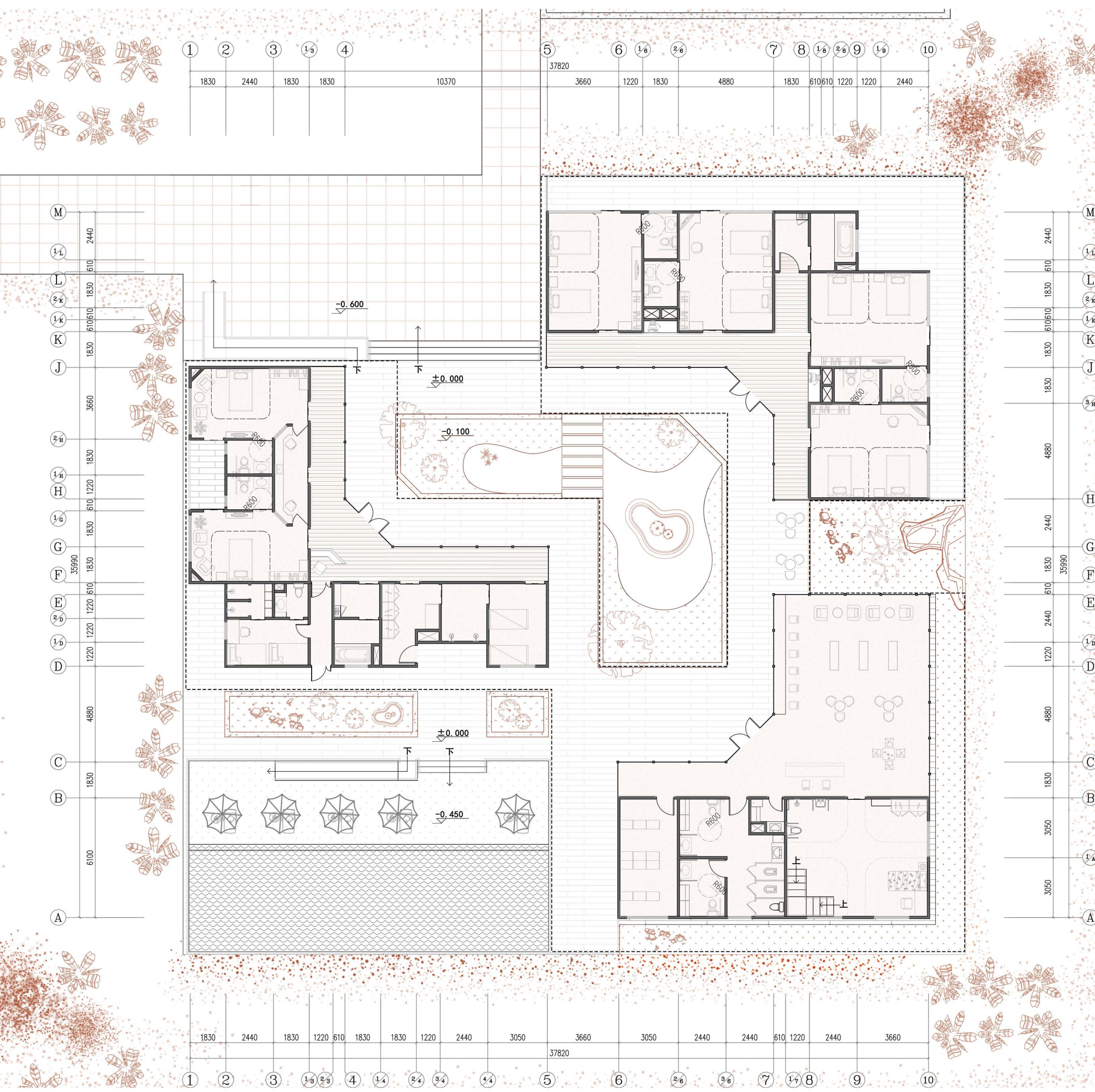


Step Rehabilitation Training Cluster

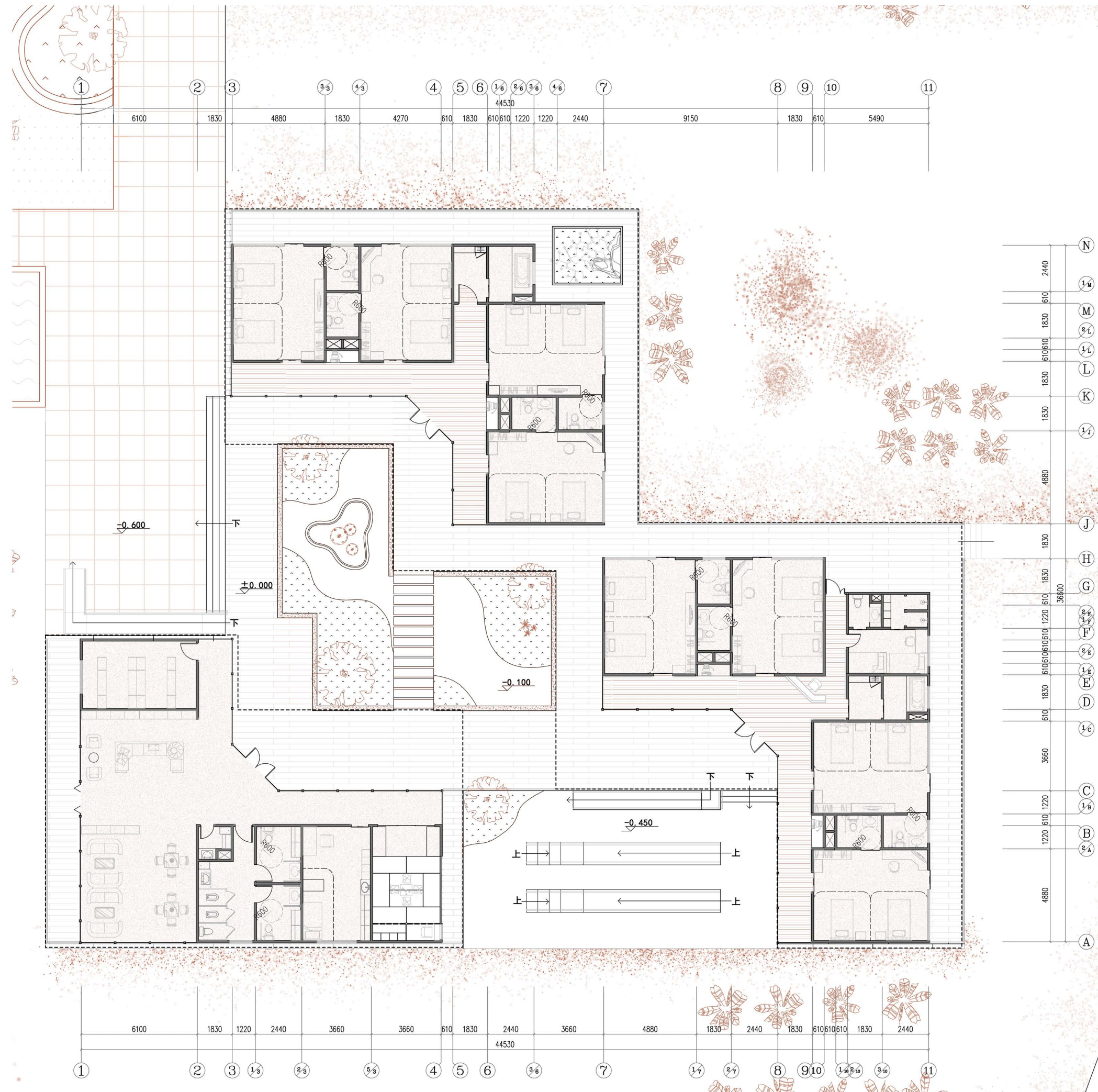


Dense Forest Regimen Cluster

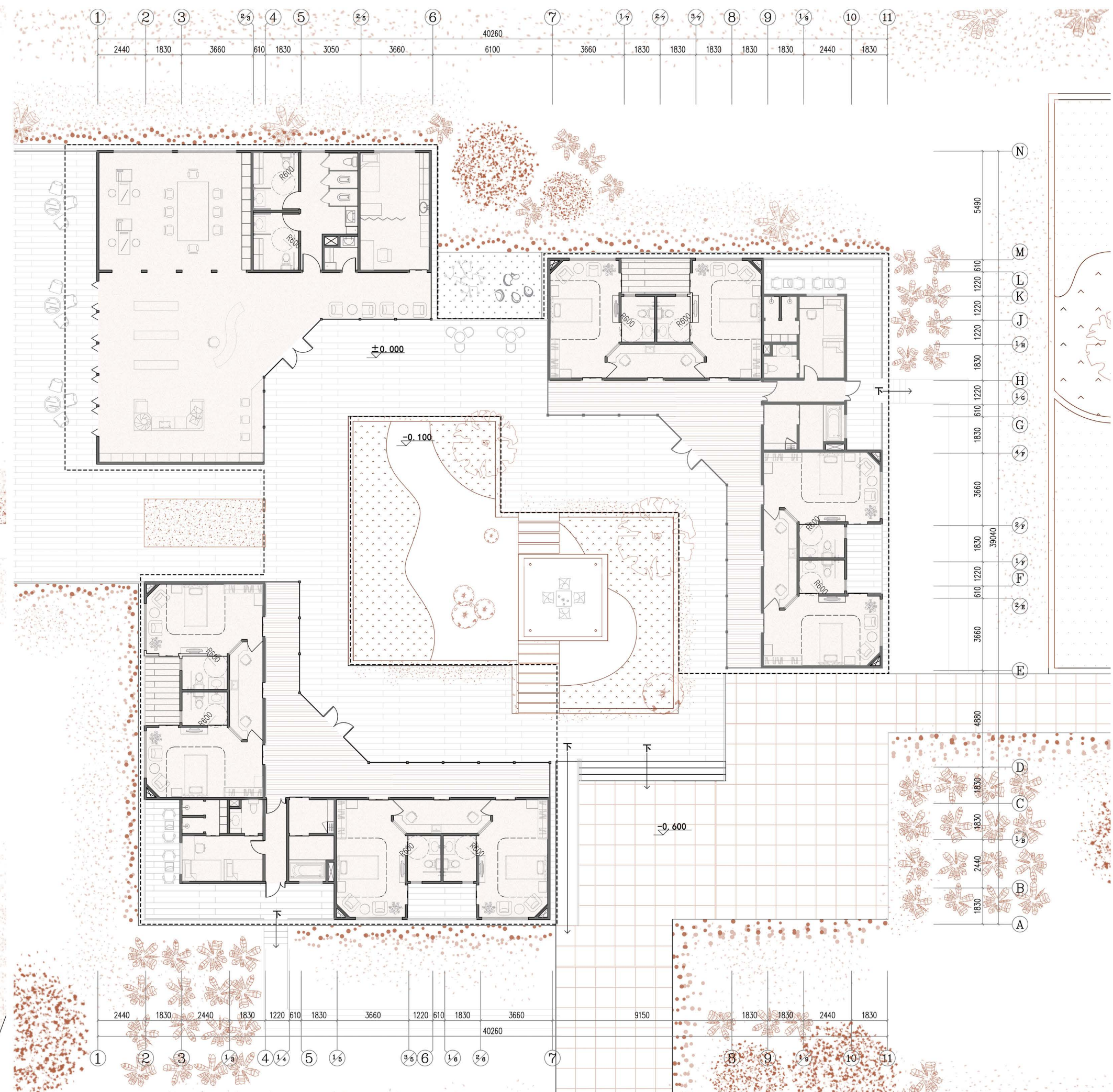




Hot Spring Physiotherapy Cluster Plan 1:200



Step Rehabilitation Training Cluster Plan 1:200



Dense Forest Regimen Cluster Plan 1:200



Hot Spring Physiotherapy Cluster Elevation 1:200



Step Rehabilitation Training Cluster Elevation 1:200



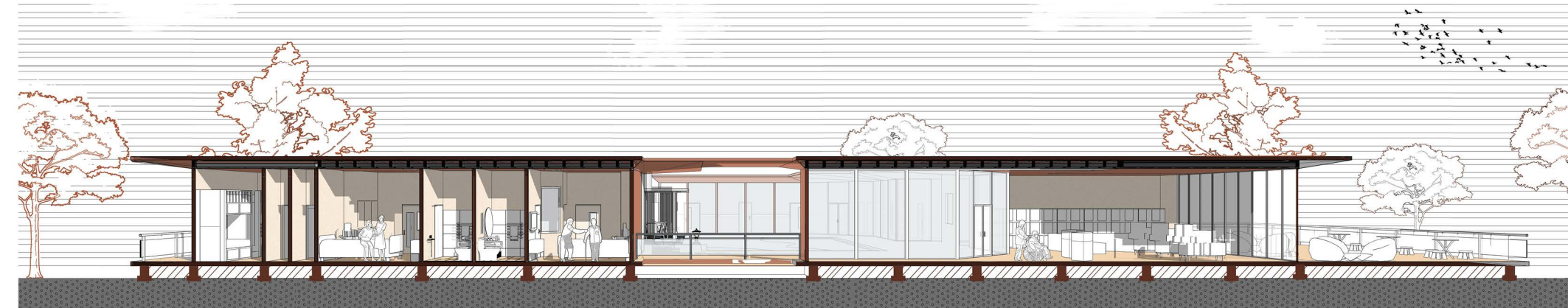
Dense Forest Regimen Cluster Elevation 1:200



Hot Spring Physiotherapy Cluster Section 1:200

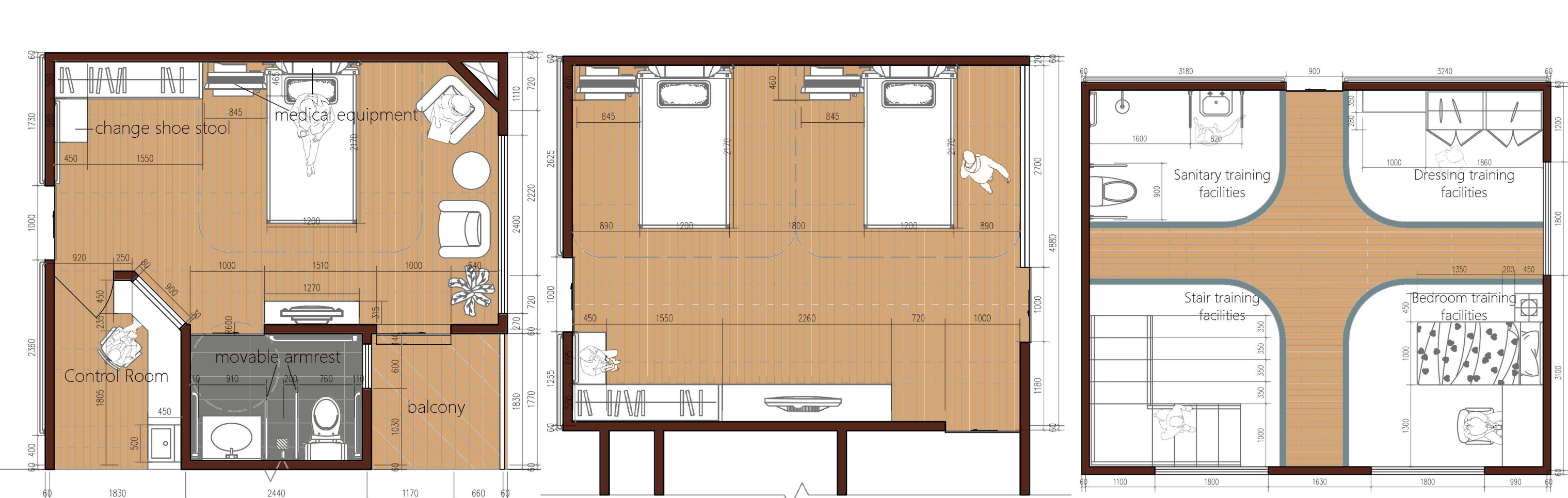


Step Rehabilitation Training Cluster Section 1:200



Dense Forest Regimen Cluster Section 1:200

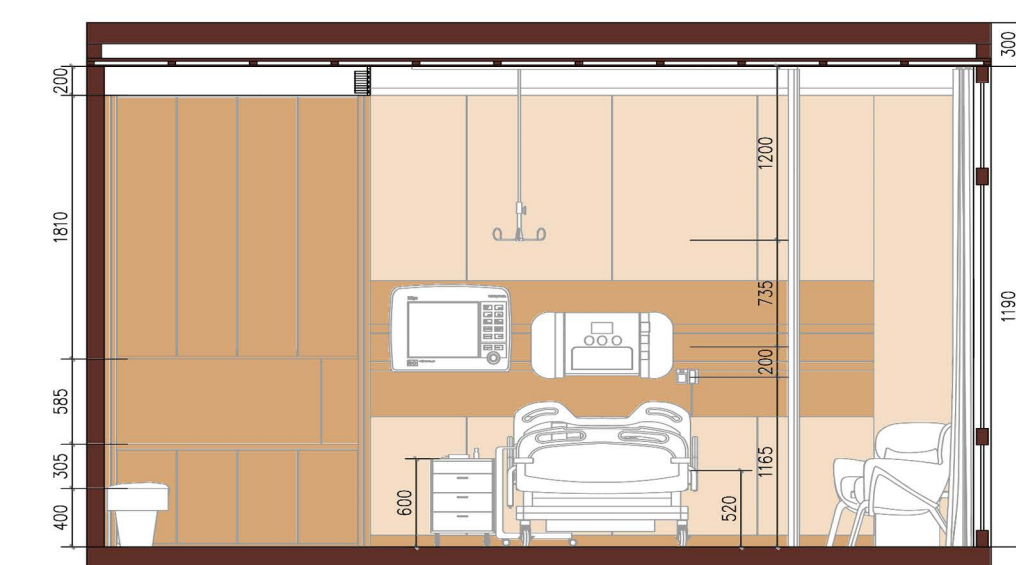




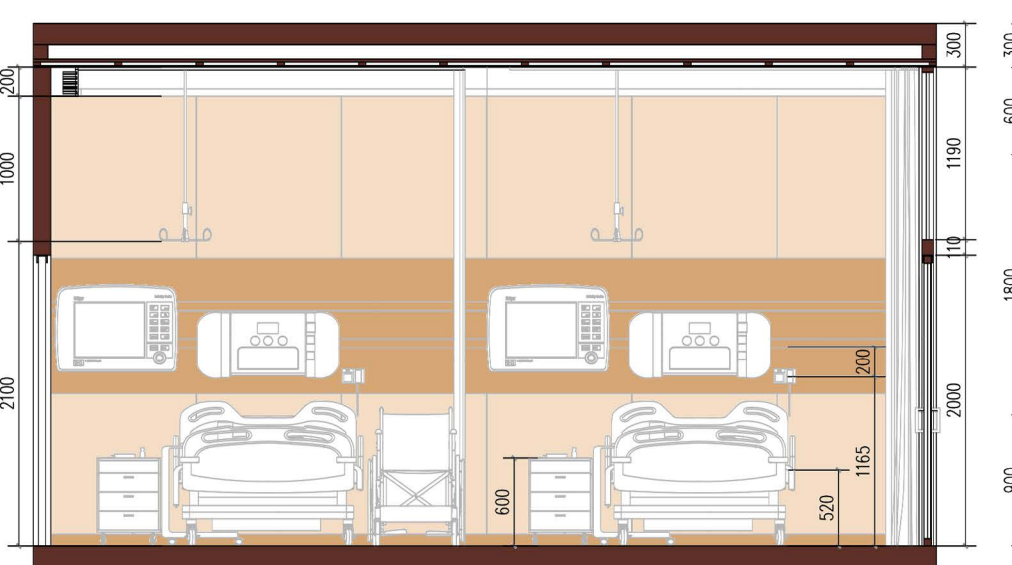
Single Ward Plan 1:50

Double Ward Plan 1:50

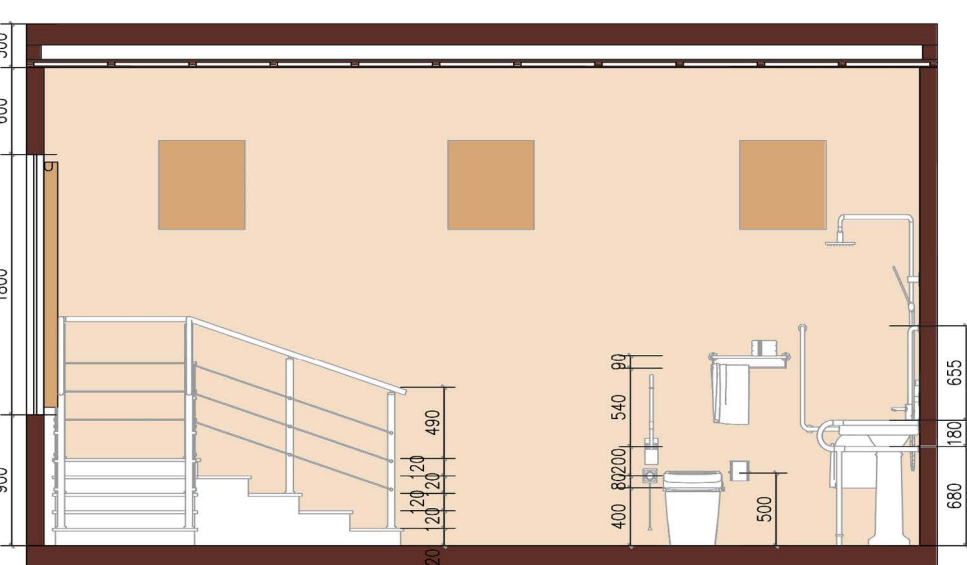
Rehabilitation Training Room Plan 1:50



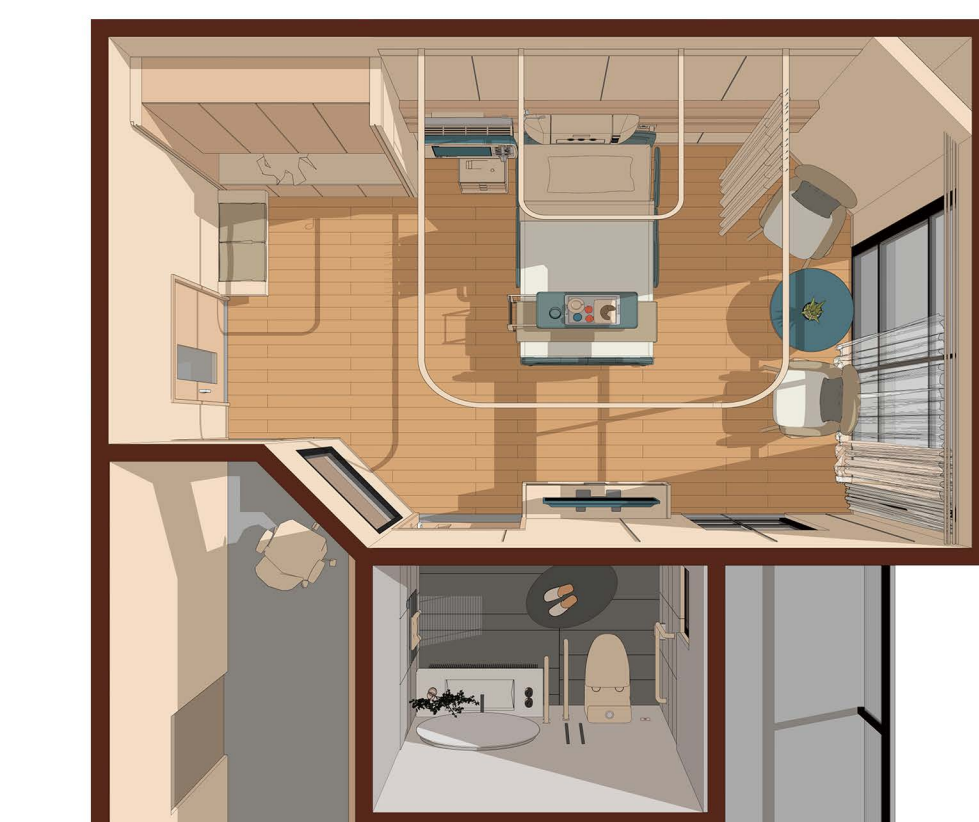
Single Ward Section 1:50



Double Ward Section 1:50



Rehabilitation Training Room Section 1:50



Single Ward 3D Plan



Double Ward 3D Plan

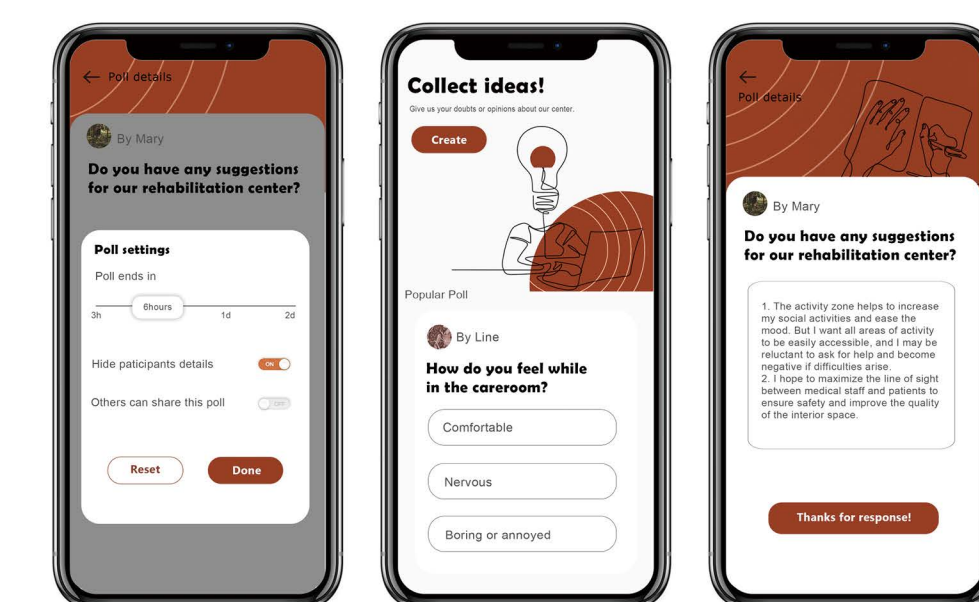


Rehabilitation Training Room 3D Plan

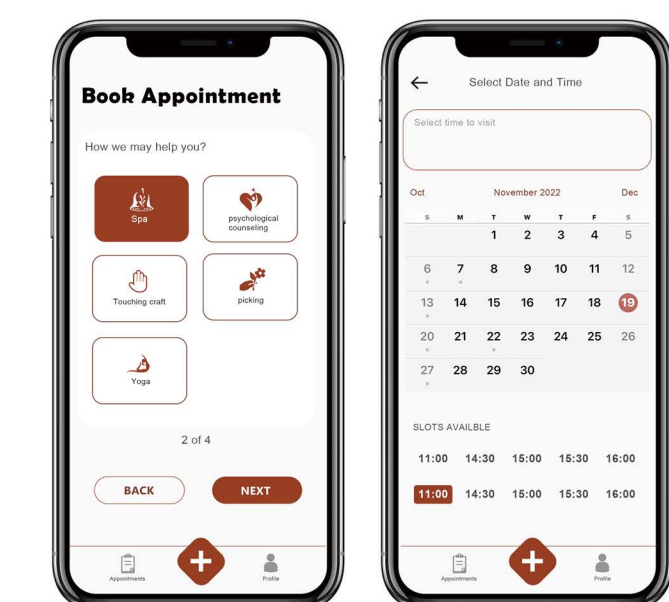
NOVELL Information	Concept	Methods	Achievements	Principles of neuroscience
Prefabricated modular building	The building is divided into several space modules, and all the equipment, pipelines, decoration, and fixed furniture in the module have been completed, and the building is assembled on site.	1. Promote the serialization and generalization of prefabricated components. 2. The construction site of prefabricated buildings only requires a small number of professional construction personnel, which improves the specialization level of construction technology.	1. The construction speed is fast, which can shorten the construction period by 50~70%. 2. Very little pollution to the environment. 3. Convenient for later expansion. 4. Only the remaining components of the construction site can be used by hoisting and connecting pipelines.	1. Our brains change with age. 2. Our brains change with the environment. 3. We can measure the brain's response to the environment. 4. Our brains change according to our emotions. 5. Our senses connect our brain to our environment.
Participatory design	During the construction process, Chinese medical workers, patients who have used the stroke rehabilitation center, patients' families, visiting personnel, nursing workers, etc. participated in the design to help users improve the traditional space experience.	1. physical environment: Integration with surrounding communities 2. Clinical practice and efficiency: Stroke unit is unnecessary 3. Emotional health: connection with outdoor help users improve the traditional space experience.	1. Set up re employment sites in communities to help patients integrate into society. 2. No central nurse station is set up, and it is set up separately in each group. 3. Create enclosed courtyards to facilitate patient contact with outdoor spaces.	
20 minute life circle	Make sure that people can get everything they need within a 20 minute radius by walking, cycling or taking public transport.	1. Join the propaganda point of stroke prevention knowledge in combination with the original building. 2. Implant the center physical examination function in the existing medical buildings.	"Medical treatment, health care, prevention and rehabilitation" compound community	

Mobile interface demonstration

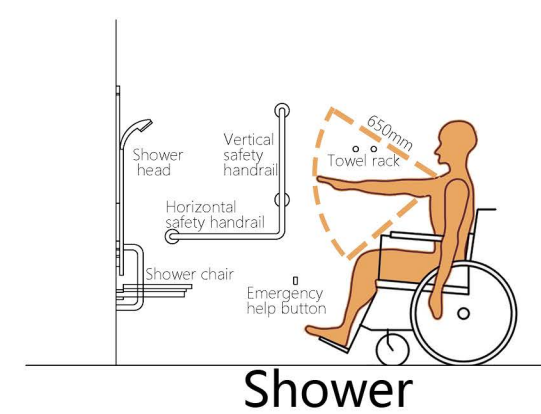
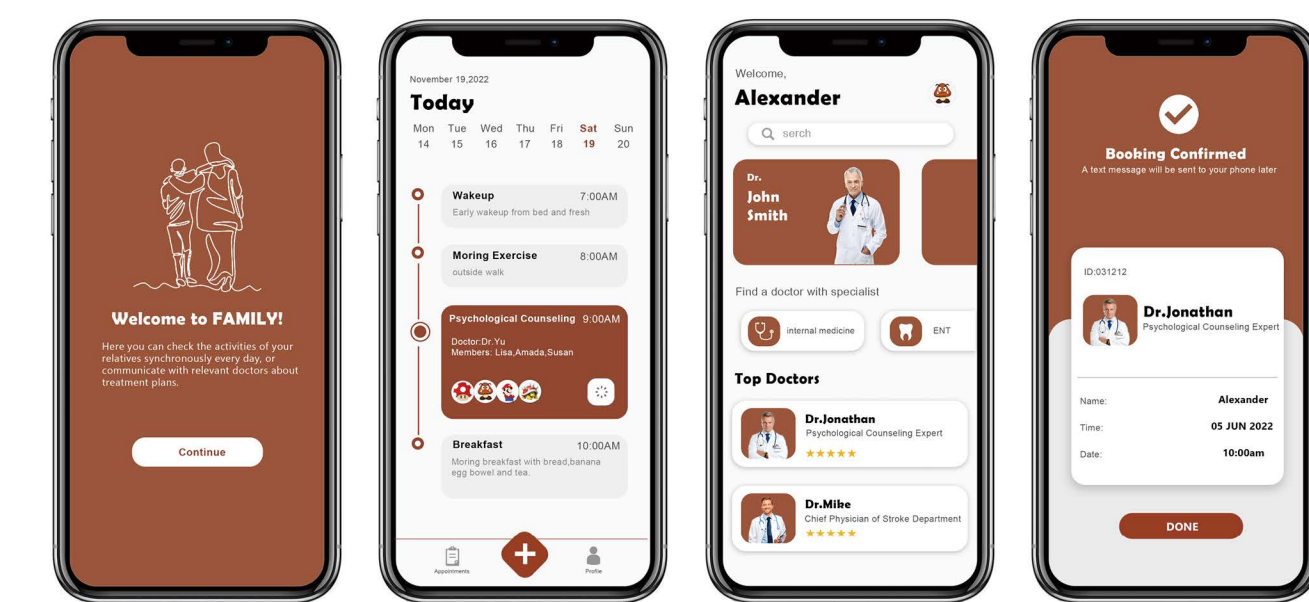
Questionnaire investigation



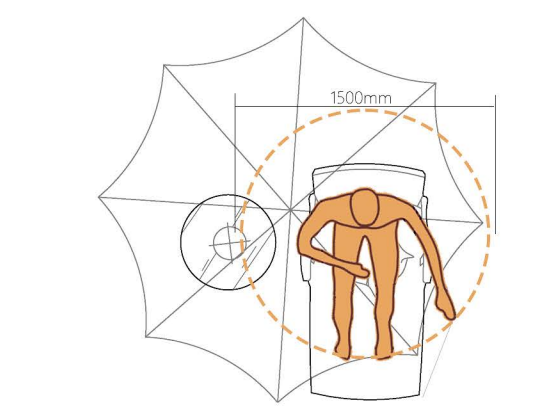
Treatment appointment



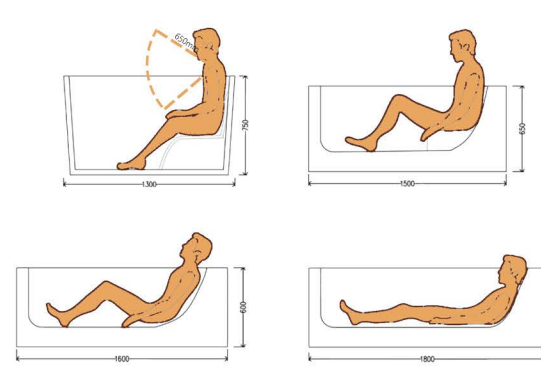
Family monitor patients



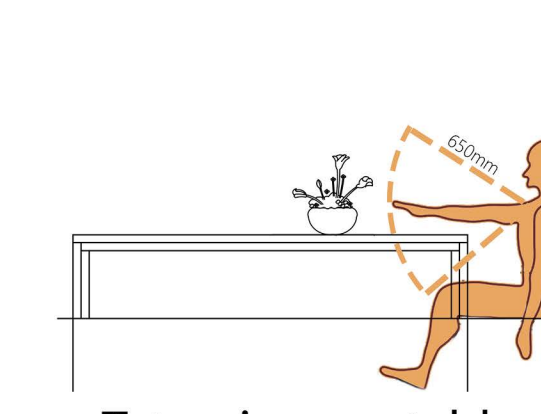
Shower



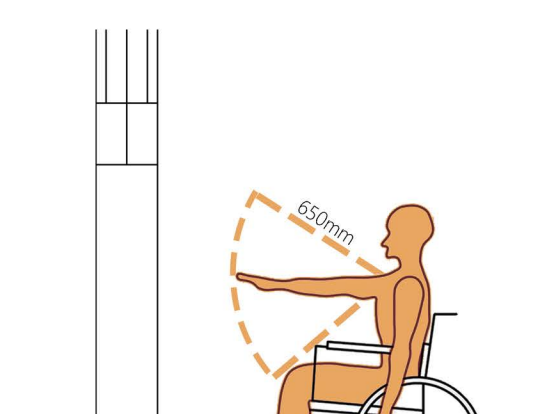
Sunbathe



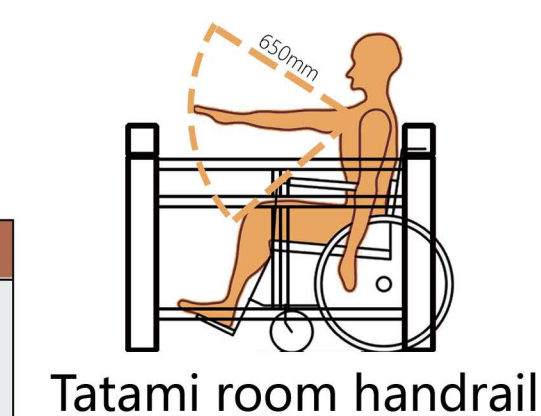
Bathtub



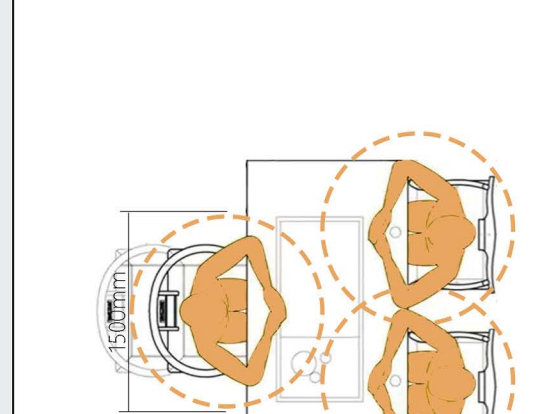
Tatami room table



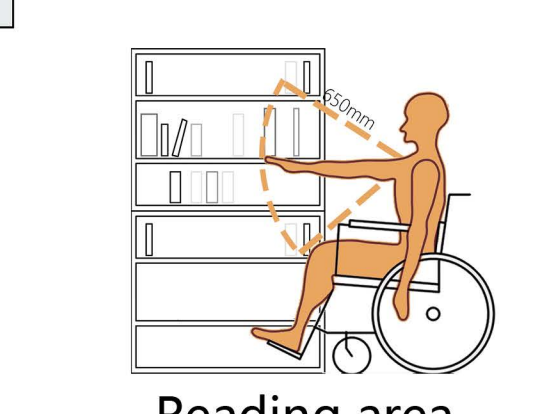
Tatami room shelf



Tatami room handrail



Speech therapy



Reading area



Handicrafting

