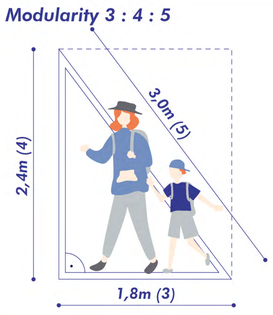
Vilinki

Kotiluoto

FLEXIBILITY & FLUIDITY

The modular design of structures and horizontal constructions based on a simple triangle allows for both additions to the concept and subtractions. Gradual incorporation of specific functions based on collected data about space utilization is crucial for the design. The future form can thus be defined by its future users, including humans, vegetation, and animals.

Modularity 3 : 4 : 5



Individual objects can be expanded, reduced, built in stages based on intensity of use, or they can even change their function. All proposed structures are assembled from the same module (right-angled triangle 3x:4x:5x), enabling the use of only three basic dimensions for all constructions. This approach minimizes space requirements (flat pack), optimizes costs, simplifies transport, assembly (without machinery), repair, disassembly, and transformation into other structures. Local pine wood appears to be the most suitable material and recycled wood could also be used for the facades. Implementing a unified construction system has the potential to unify the Eastern Archipelago into a coherent whole while respecting the uniqueness and specific needs of individual locations and facilitating the differentiation between private and public spaces.

SUSTAINABLE TOURISM

The new landing platforms do not need to solely serve as traffic hubs. Through gradual expansion, they offer intimate connections with the water surface, opportunities to observe plants and wildlife in the overgrown parts of the bays, seating by the water, canoeing, or occasionally fishing. In certain locations, we decided to connect jetties and floating pontoons into common entities (shapes O and U). These platforms create a route along which visitors can walk and explore the water's surface up close without interfering with it. Simultaneously, they protect the coastal environment, which is of immense importance to fish and bird populations. Sandy and rocky beaches, along with elements of reeds and shallower seabed, form essential habitats for numerous animal species, which need to be protected and about which awareness needs to be raised.

Eco-Habitat

Non-interventionist forest

With a sensitive approach to the landscape, the concept also aims to preserve existing structures and activate their surroundings (if their condition allows). They are integral to the development and identity of the place. Therefore, original saunas may be rented out to the public, fisherman's cabins could serve as storage, small kiosks, or boat/canoe rental stations. While envisioning new use for villas, we propose also temporary pavilions near the villas that could serve their function until they undergo reconstruction. The design places significant emphasis on experiential and educational leisure activities, and all proposed activities and functions are closely linked to ecology and nature. New functions for villas also focus on community engagement and the protection of cultural values of individual locations, which for us is an integral part of sustainable recreation.

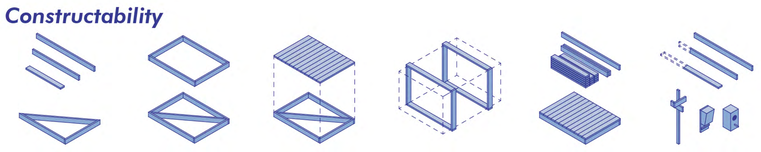
Pruning

Passive habitat management

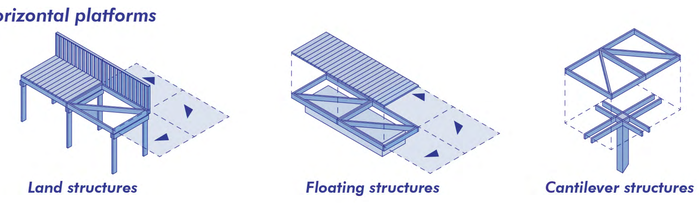
Lifted platforms for tents, lifted cabins, and wooden walkways represent additional methods of protecting the natural environment on the islands. They aid in preserving biodiversity and soil wildlife, prevent soil erosion, and at the same time, provide educational opportunities about responsible sustainable tourism.

The proposal places a high priority on preserving healthy trees, and as such, the pathways should be thoughtfully adjusted to minimize any potential impact on the surrounding environment. Alternatively, selective pruning (crown lifting), may be employed to create walking paths and occasional viewpoints. This way, when wandering through the forest island landscape, surprising situations can occure that enhance the experience of nature.

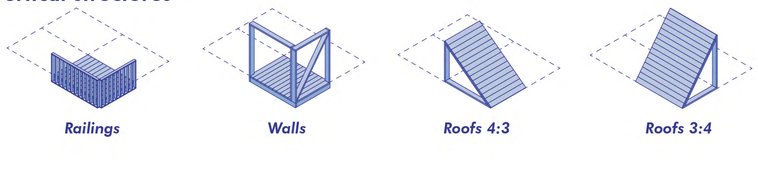
Constructability



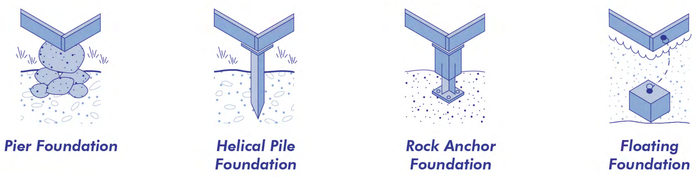
Horizontal platforms



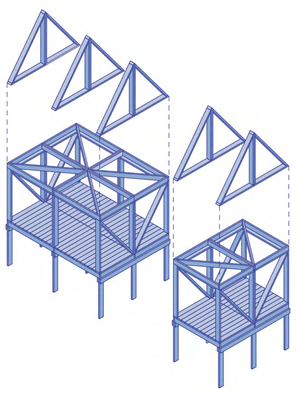
Vertical structures



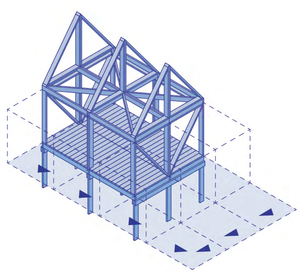
Foundations



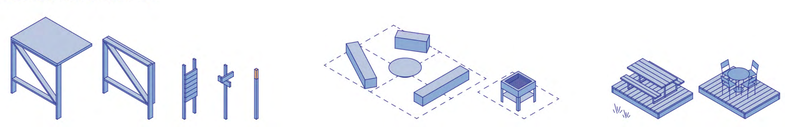
Spatial modularity

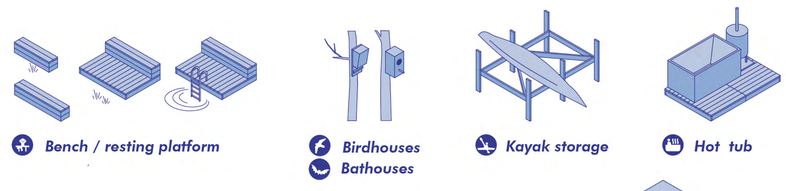


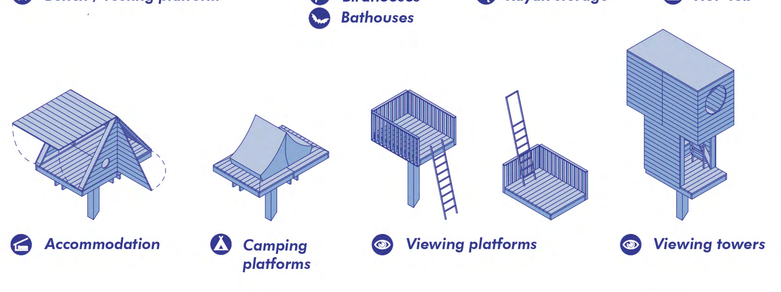
Expansions



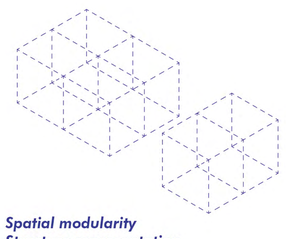
Small structures



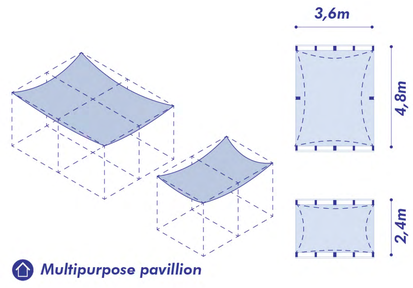




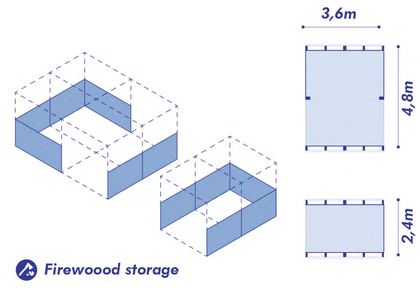
Medium structures



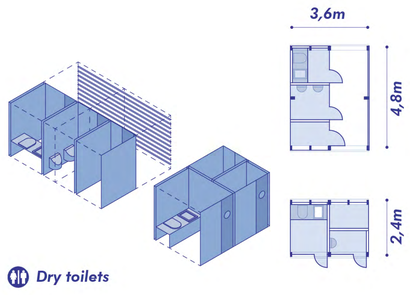
Spatial modularity
Structure representation



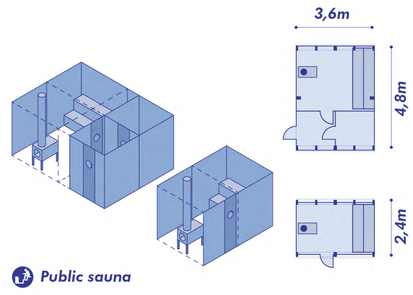
Multipurpose pavillion



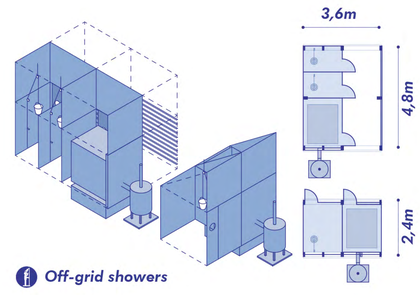
Firewoood storage



Dry toilets

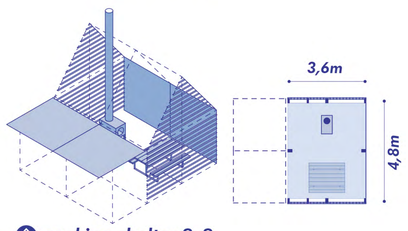


Public sauna

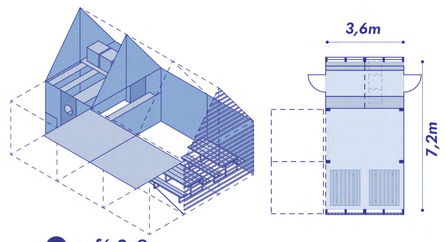


Off-grid showers

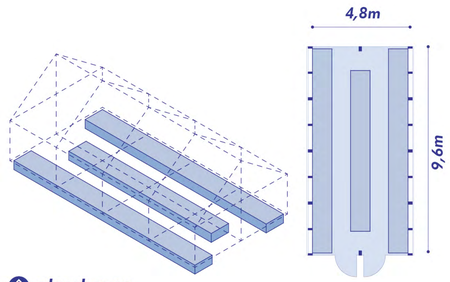
Large structures



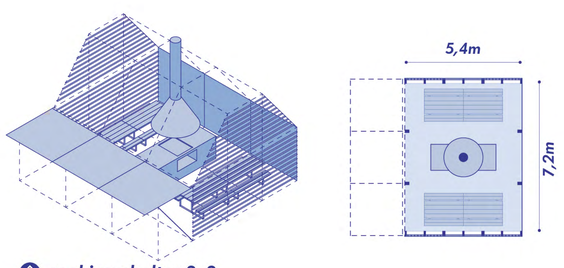
cooking shelter 2x2



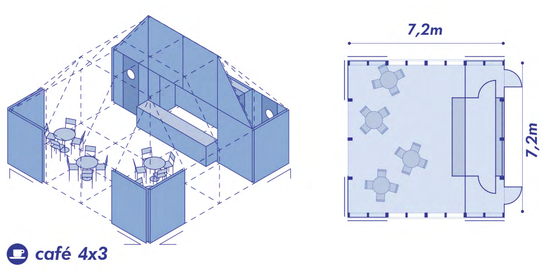
café 3x2



glasshouse



cooking shelter 3x3



café 4x3