ral resources linked to the territory.

The project is based on the reinterpretation of the rural built heritage of the island of Eivissa, the largest island of the Pitiüses, and its application to the

contemporary needs of the housing development in ca n'Escandell. The proposal regains the vernacular systems of the past architecture for harnessing natu-

Sa Muralla starts with the objective of reconnecting, on a territorial scale, the

structures the new public rental housing development.

topography, hydrology, and former agricultural cultivation.

In line with the constellation of existing rural heritage of the island, the structurant element in the project is the "feixa," a stone retaining wall that organizes the productive landscape of the area, generating terraces to control the

Serra d'Eivissa", which is located on the west of our site, with the town and historic center in the southeast. This connection will be possible through a new green axis that crosses the E-20 Highway and extends longitudinally to the sector of the intervention, Parc d'es Putxet. The path invites the user to approach different heritage traces, and it merges with the urban built environment until it reaches the sea: the beach of "Ses Fi-gueretes". In a perpendicular way, three new axes are traced in order to connect both sides of the park, that are currently disconnected, and at the same time,

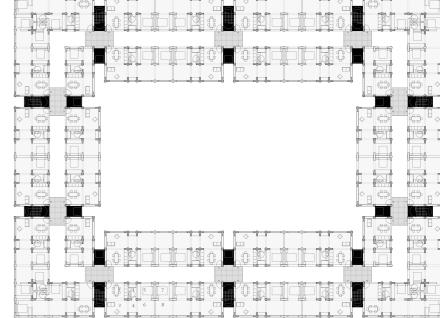
The "feixa" or retaining stone walls structure the park and divides it into permeable terraces, following the functionality of the past.

groundwater. With this concept, the park is designed, creating both

The water is sought to infiltrate as soon as it precipitates through the walls. The

terraces prevent runoff from increasing as they go down the slope of the terrain, causing water to stay in place. In consequence, the water infiltrates into the soil and contributes to the improvement of the improving the state of









concentrates the main activity and grows by adapting to the users' needs. In this project, the basic unit of habitability is formed by three essential living functions: eating (kitchen), hygiene (bathroom and cleaning), and living. Additional rooms are annexed based on the user's vital spaces. On the one hand, the spaces can agreggate to the living room in a longitudinal direction.

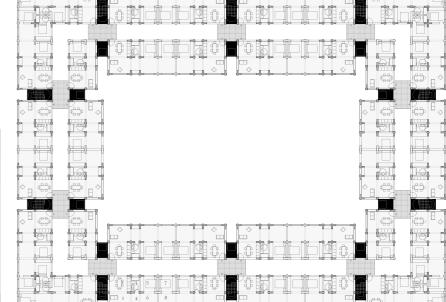
These intermediate spaces behave differently thermally depending on the time of the year. In winter time, the mass of the stone facade functions as a heat collector, and its high inertia helps control the interior temperature. In contrast, during the warmer months, the intermediate space

MATERIALITY AND ATMOSPHERES The main idea to explain the urban and natural landscape of vernacular architecture in the area is

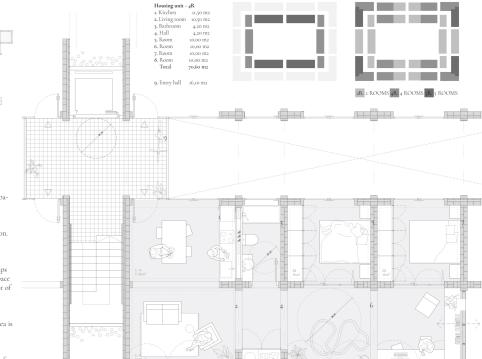
Characterizing the stone piece and its arrangement as a wall, Sa Muralla represents an architecture of matter. The massiveness of the stone takes a center stage and the architecture of lightness of the CLT (cross-laminated timber) reinforces the former element.

Spatially, the language of the stone behaves in such a way that the other elements are subordinate

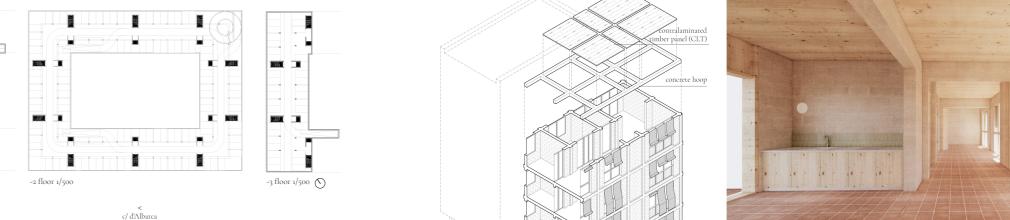


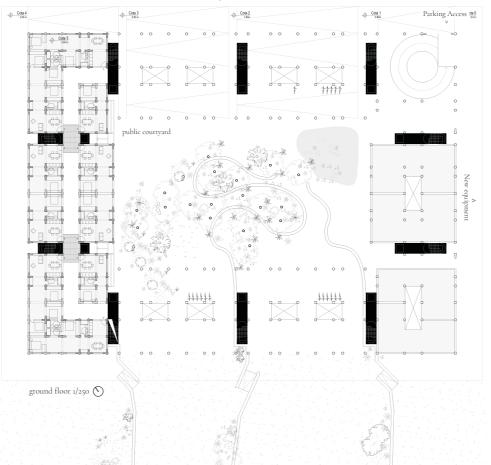


floor plan 1/250 🕥



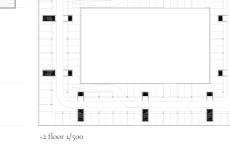
SA MURALLA









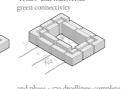


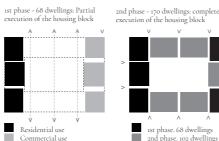


SA MURALLA

Public rental housing developement

in Ca n'Escandell, Eivissa











between the new park and the existing urban grid. One of those, is developed in this project. These buildings act as a filter between the landscape, the urban grid, and the housing.

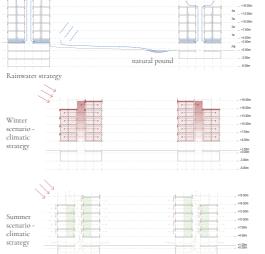
The "feixes" are brought to the ground floor of the block, creating a transverse circulation between the urban grid and the park. These walls organize the park topographically and follow the architectural heritage. This small walls get an organic shape while disappearing to generate different spaces and atmospheres in the inner courtyard of the block.

TRANSITION TO THE BUILDING

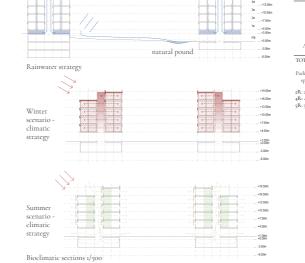
The design of the building aims to avoid a rigid and stagnant scheme, opening up on the ground floor to Park d'Es Putxet. The established axes lead to the cess of the building. These accesses are vertical elements that separate the dwelling units and are conformed by a staircase and elevator.

without the need for excessive artificial systems. The building functions like a large chimney that constantly ventilates during the summer. The air circulates mechanically through the parking areas, cooling down, and then rising towards the dwellings through convective currents that generate a constant airflow. Additionally, the concept of the material inertia is highly present in the project, where the stone walls are used to attenuate the temperature.

Furthermore, the building is used for water resource collection. Eivissa is a with an increase of population during the summer season, water becomes a highly precious resource. Rainwater is stored in the intermediate zones of the building, helping to cool the air and generate the airflow previously mentioned while serving as a reserve for domestic use.



CENTRE CIUTAT





CAN TOMEU JAUME BEFORE 1738
Traditional rural house located on dry land. The property is the old rural house of Can Tomeu Jaume, a clear model of Ibizan rural architecture, which has been documented since at least the first third of the century XVIII. Its typology maintains the typical traces of the houses of the trural island environment, with several rooms arranged around a large room (porch).

(Source: Cataleg Municipal de Patrimoni Històric de l'Ajuntament d'Eivissa) CAN TONI TOMEU

CEMENTIRI

SA MURALLA

Public rental housing developement

in Ca n'Escandell, Eivissa

XIX CENTURY
Traditional single-storey rural house,
fully glazed and whitewashed. The access door to the porch is preceded by a porch configuration, however, traces of the past architectures can be identified. As an element of interest, it preserves the era, located on one side of the access road, (Source: II. SERRA, Inventory of rural architecture of Ibiza as cited in

#3 SES CASES NOVES DE CAN TOMEU AROUND 1914 Traditional rural house that externally has the appearance of a modern house, the result of the reforms that have been carried out in recent decades and that

de l'Ajuntament d'Eivissa).

have crased its traditional character. Even so, the main core retains much of the original layout with a rectangular porch through which the rest of the outbuildings are accessed. Inside, different elements of interest are preserved, such as the wall cupboard with wooden leaves and the cistern with the mouth integrated into the front wall of the porch, to ventory of rural architecture of Ibiza as cited in Cataleg Municipal de Patrimon

CAN XICU DE CAS MUT

XI CENTURY Traditional single-storey rural house, which originally adopted an L-shape, with two bodies: the kitchen, with N-S orientation, and the living room and bedrooms, E-W, with a facade facing SW, preceded by an exterior porch on four pillars (...). In the center is the entrance to the room, with a wide door in the each side. On the west side, the building the volume of the kitchen. At the back, the era is preserved. (Source: Catàleg Municipal de Patrimoni Històric de

FEIXES
The wall of "pedra seca" defines the identity of the rural landscape of Ibiza as structures the territory. In this particular the stope wall acts as a "feixa": an area, the stone wall acts as a "feixa": an element that contains the land of several levels of terraced arable land and allows the collection of water for its use the collection of water for its use.



