

MADREPERLA VILLAS



Concept
**CASA
CUORE**

MADREPERLA VILLA
mother – of – pearl villa

The project allows maximum flexibility for floor planning as well as extraordinary speed of construction, combined with the values of elegance, typical of the Italian Design, according to the culture, values and goals of the client.

Similar to an organism, the MADREPERLA VILLA is a secret, generative core, hidden in a protective shell, and lives and changes according to natural light: contemporary cubic volumes, lightened by refined weaves playing with inside/outside landscapes and with light/dark atmosphere



 MADREPERLA
VILLA

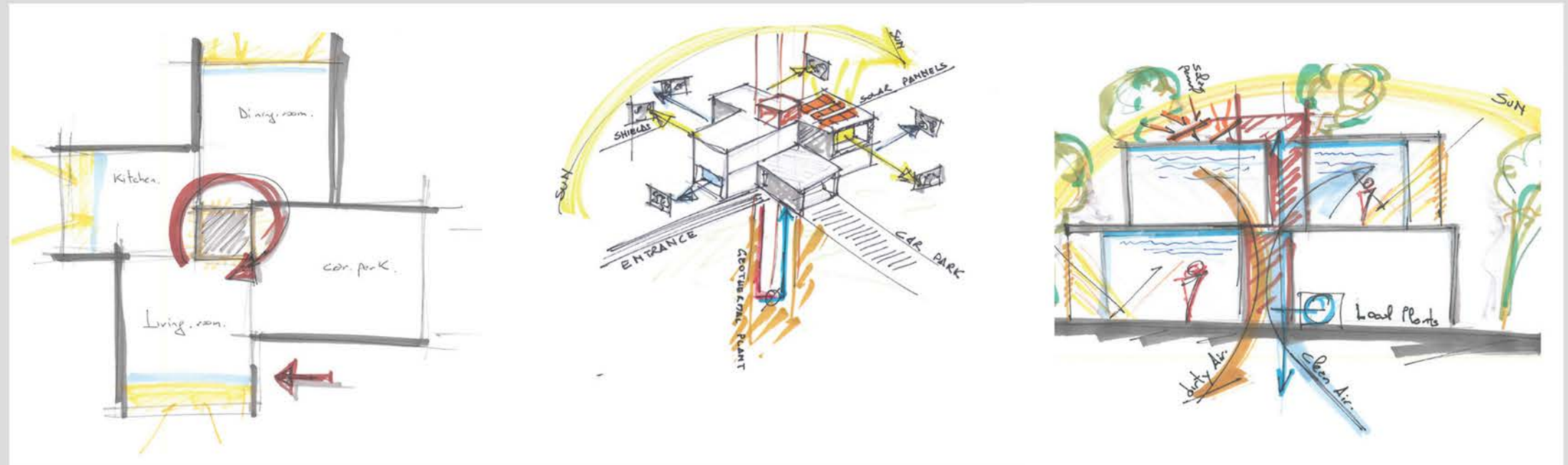
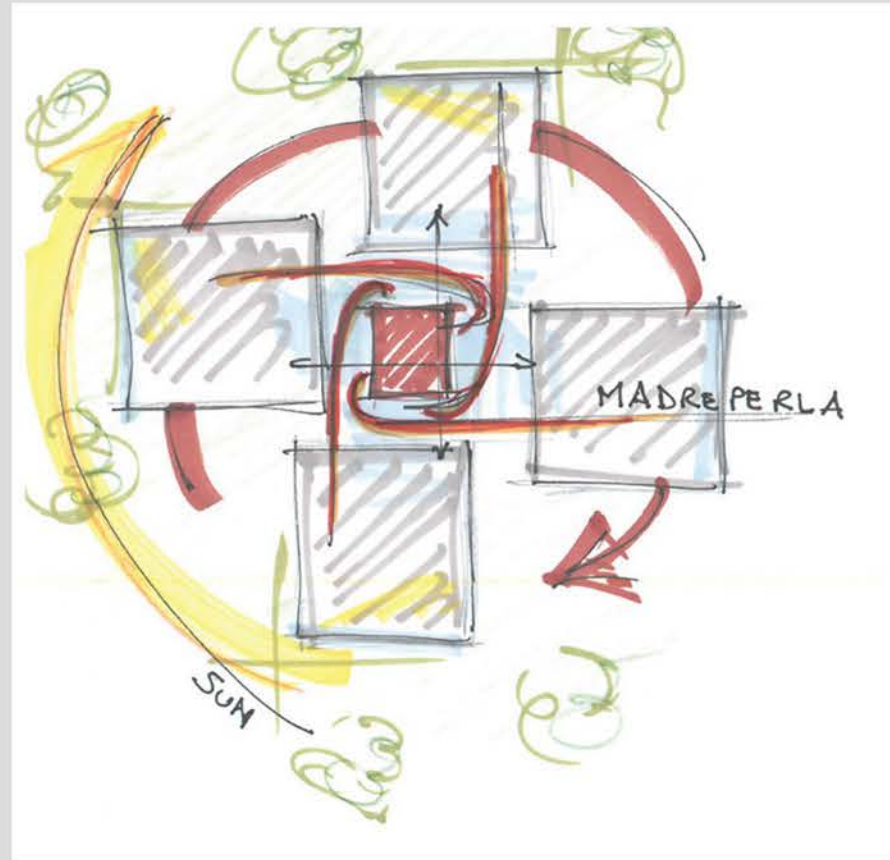
MORE
MORETTIMORE

The Madreperla Villa welcomes the challenge

MADREPERLA VILLA answers to these requirements, following the ethic project of an eco-sustainability passive house, thanks to a careful planning and a smart choice of all components involved in the house design: such as coverings, technological systems, and distribution of building geometry, spaces and openings, shade systems.

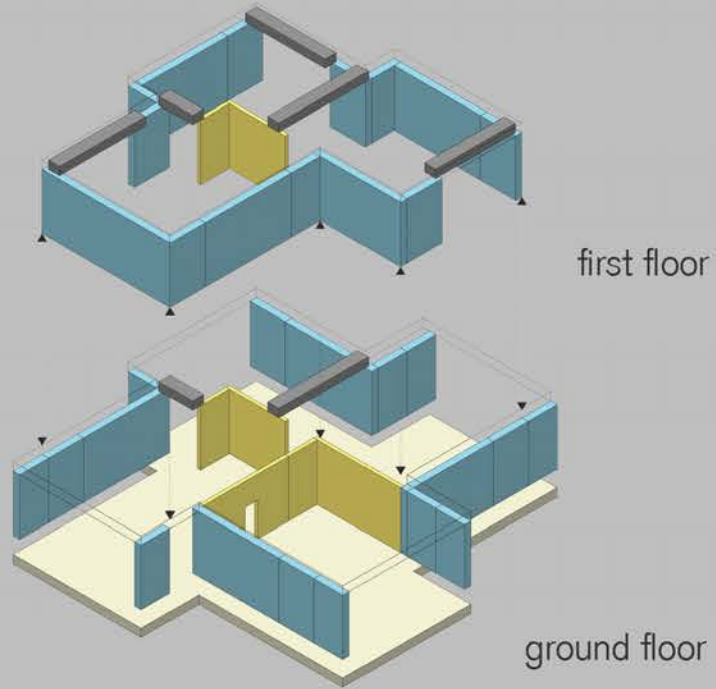
The integrated multidisciplinary design of the MADREPERLA VILLA houses allows high levels of sustainability through:

- Choice of architectural types designed to adapt to different climatic zones
- Positioning of the house with respect to the four cardinal directions
- Worksite control and sustainable management
- High performance of opaque and transparent wrapping
- Design and building resolution of all thermal bridges
- Efficiency of systems for winter and summer air conditioning
- Low-power lighting
- Power production from renewable sources
- Responsible use of raw materials
- Ventilation with outside air and moisture control
- Use of daylight factor and radiation control
- Compliance with acoustic requirements

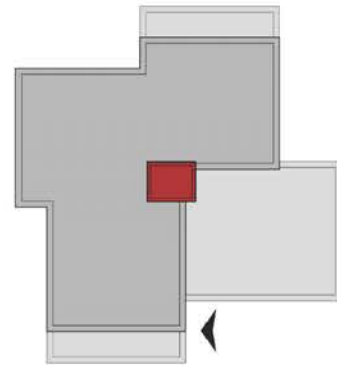


MADREPERLA
VILLA

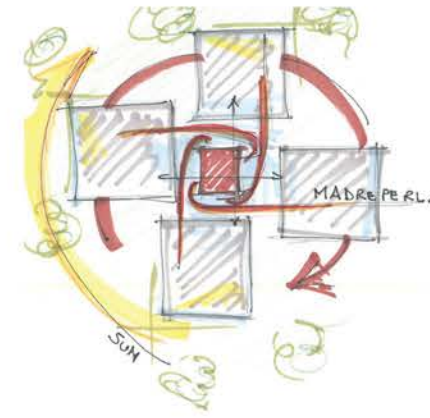
The precast components:



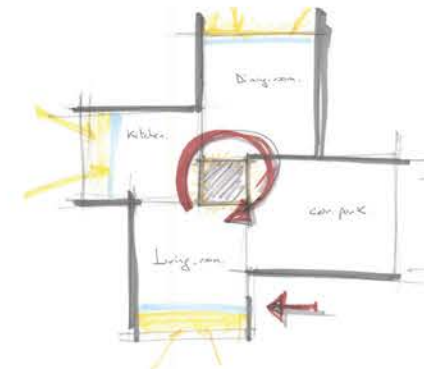
The Madreperla Villa, how it works:



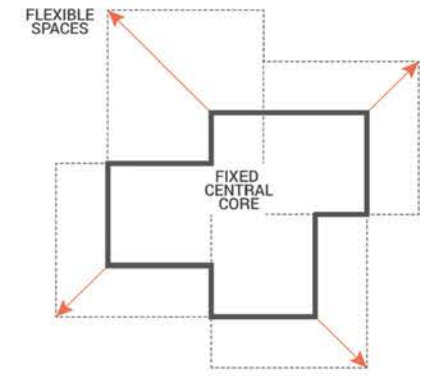
layout: cubic volumes animated and nourished by a heart, represent the fulcrum of the house



the central core gives energy and life to the whole house, from ground to sky

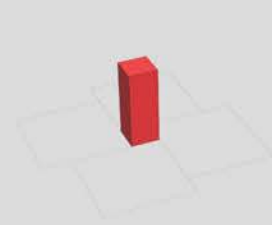


large glass windows, facing four different directions, shaded by "Masrabiya" panels, can guarantee maximum privacy

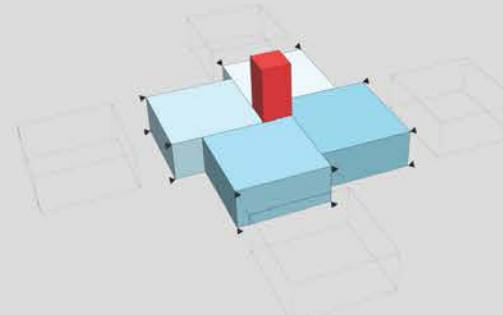


The flexibility of the system allows the plan to be varied, according requests.

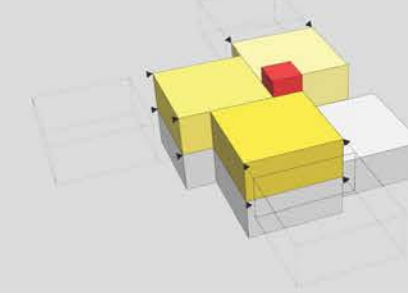
The Madreperla Villa, how it's made:



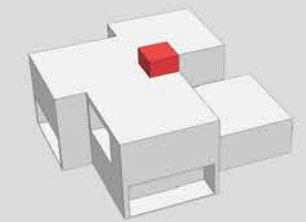
1. the central constructive and spatial core: structural, functional and mechanical fulcrum



2. the ground floor assembly:



3. the first floor assembly:



4. the final layout

The solution allows to optimize the development of components, the process of production, the cost reduction and energy and eco-sustainability performances.

Its invariability and durability is its strong point, yet it does not compromise on personalization

Height: 2 floors

Shape: compact floor

Concept: different size spaces, based on a functional hierarchy, revolve around a central constructive and spatial core. The setting of the house allows to have large openings on four sides and to handle the orientation in relation to the cardinal points.

Features:

- Central core, giving energy to living areas, making them interconnected
- bright spaces thanks to large openings
- square spaces with spectacular double heights;
- excavated porches within the volumes
- private terraces on the ground floor and first floor
- variability of orientation (according to northeast/southwest)

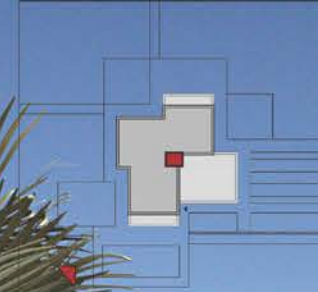


General plan VILLA TYPE A

THE VILLA:

A secret generative core, hidden in a protective shell.

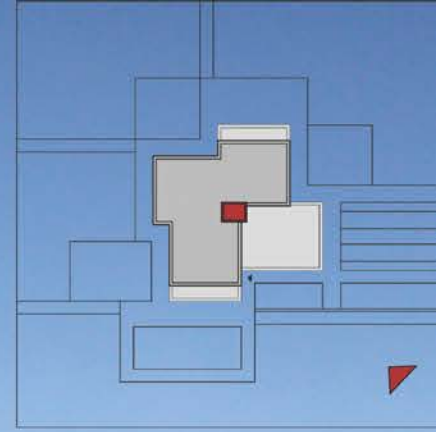
Contemporary cubic volumes, lightened by refined weaves playing with inside/outside landscapes and with light/dark atmosphere.



View from the garden - VILLA TYPE A

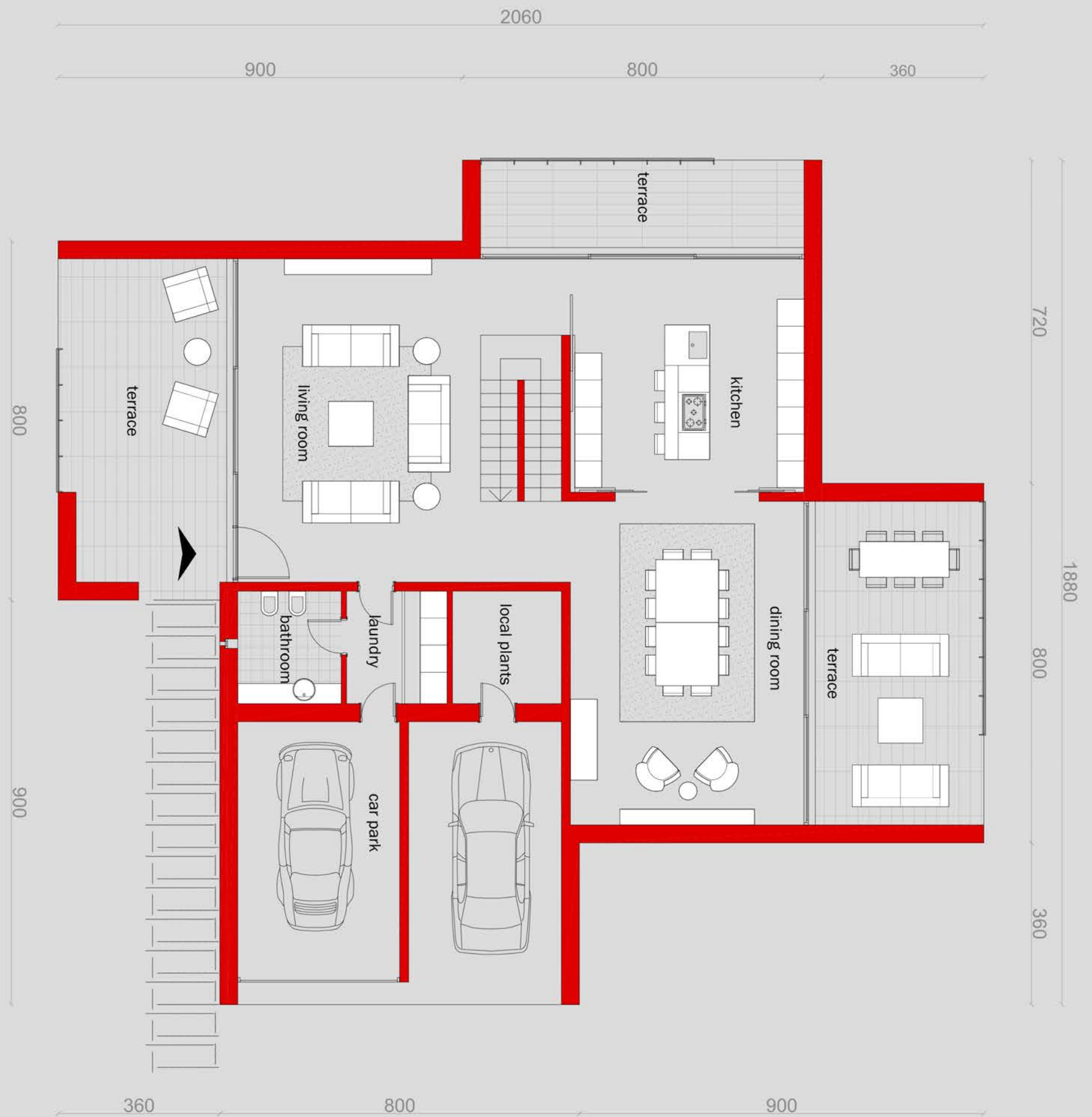


Inspired to nature-world and innate vital functions, the madreperla villa, with its solid casing, assures protection, security and privacy from the world outside, while energy powerfully flows inside through spaces and people, finding their vital source in the pearl-chimney around which the house consists in a squared matrix.



View from the main entrance - VILLA TYPE A

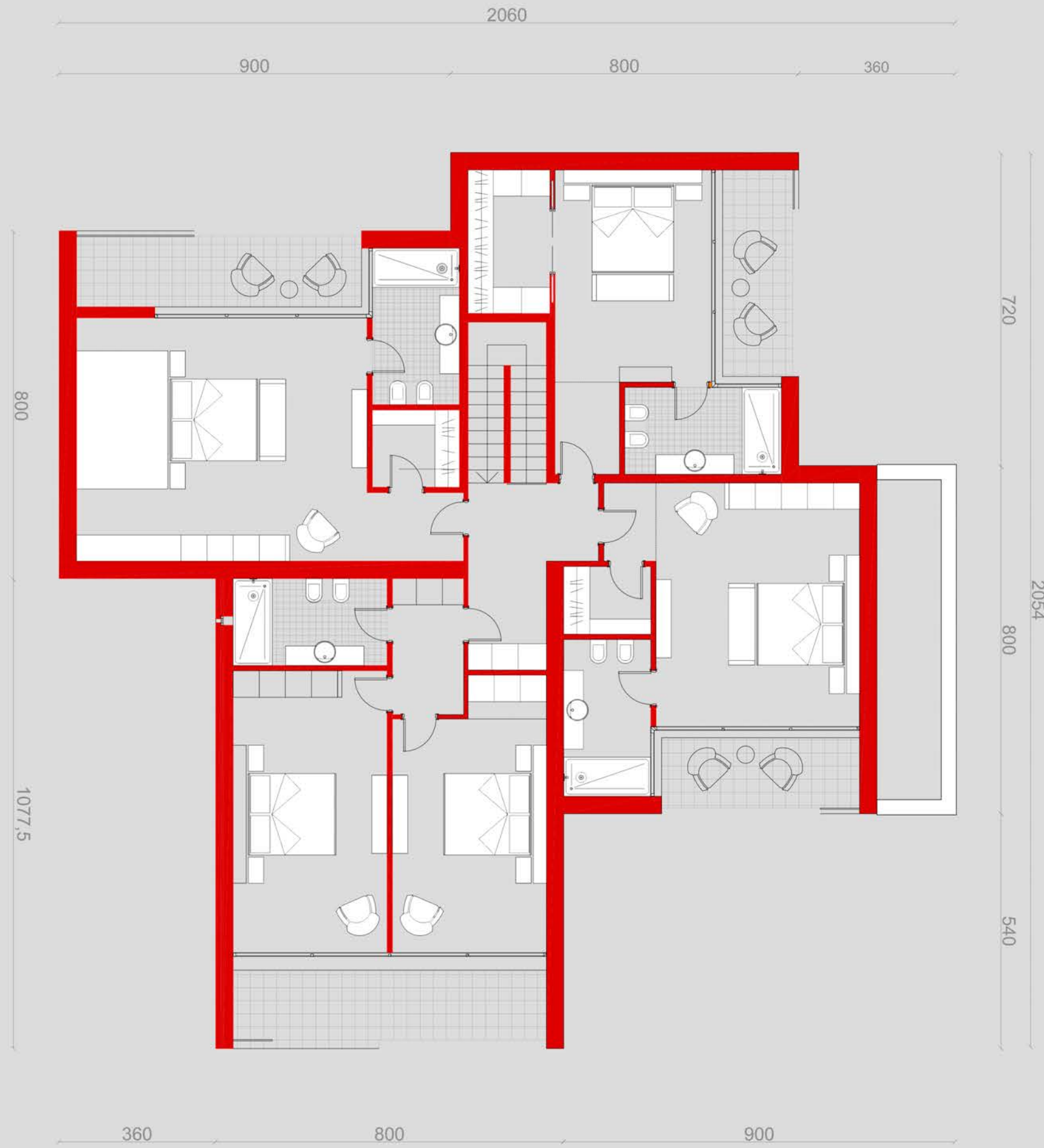




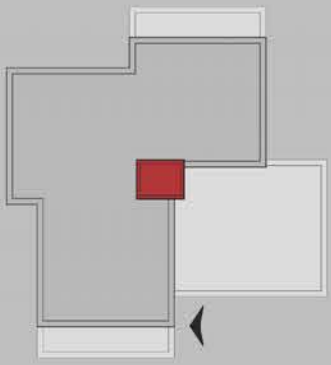
Ground floor: large living area with dining room, kitchen, sitting room, spacious garage



Ground floor VILLA TYPE A



First floor VILLA TYPE A

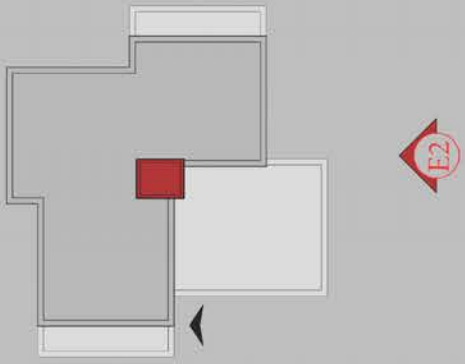


E1

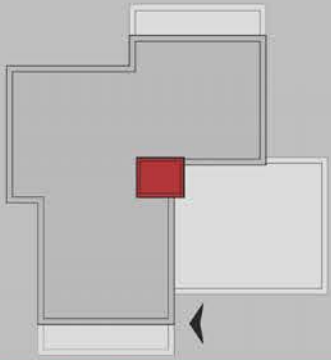


MADREPERLA
VILLA

Elevation E1 VILLA TYPE A



E3



pre-cast concrete panel h 3.50

perforated concrete "masrabiya" panels

horizontal joint

perforated concrete "masrabiya" panels

+3.50

+8.50

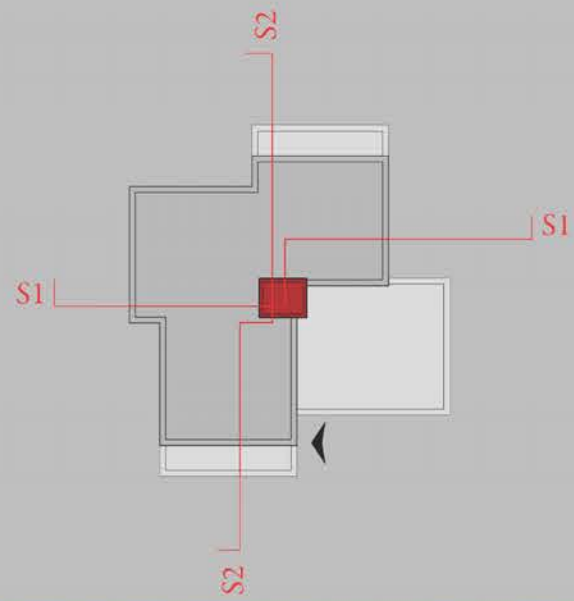
+7.00

+0.00



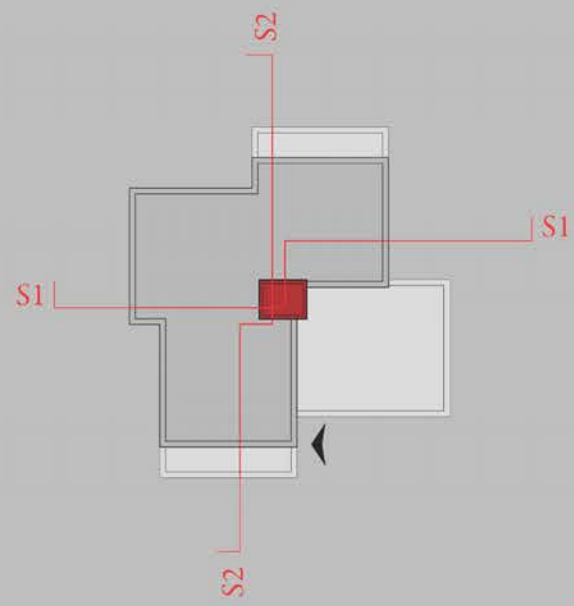
Elevation E3 VILLA TYPE A





MADREPERLA
VILLA

Section S1 VILLA TYPE A



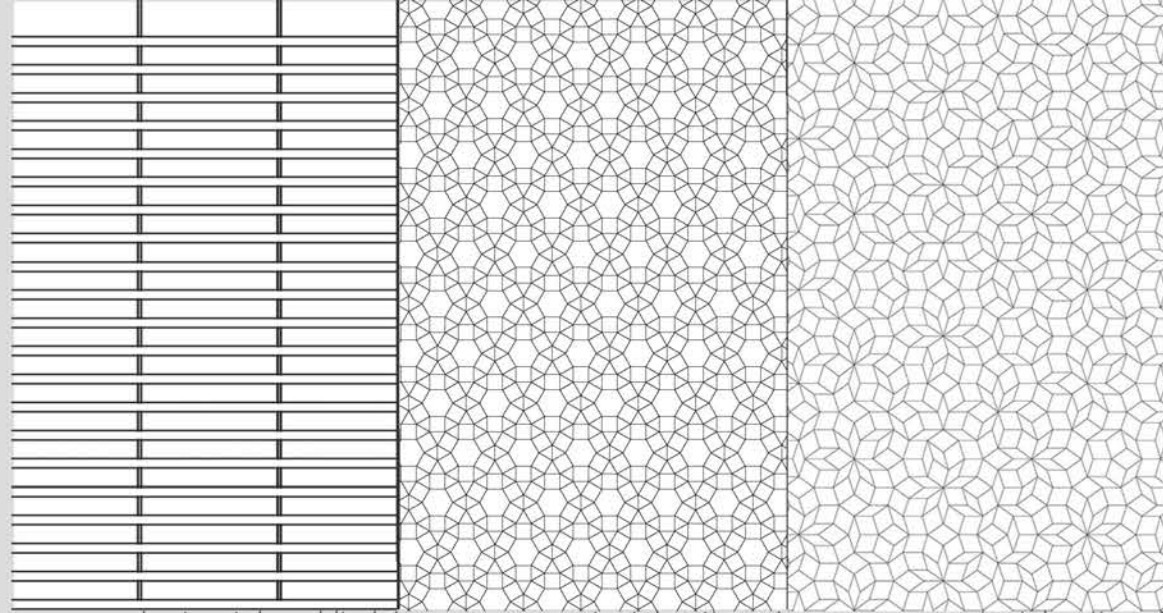
MADREPERLA
VILLA

Section S2 VILLA TYPE A



anchoring system

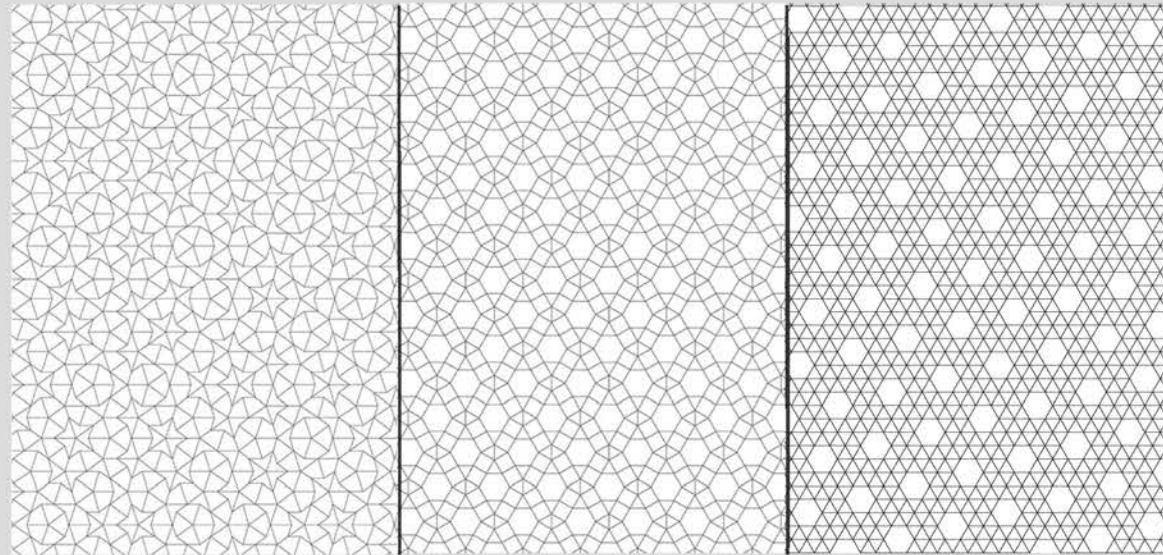
Large glass windows, facing four different directions, allow natural light to enter inside, but at the same time, they are shaded by "masrabiya" panels, assuring maximum privacy and producing spectacular ray of sunlight effects.



horizontal sunblind 1

oriental pattern 1

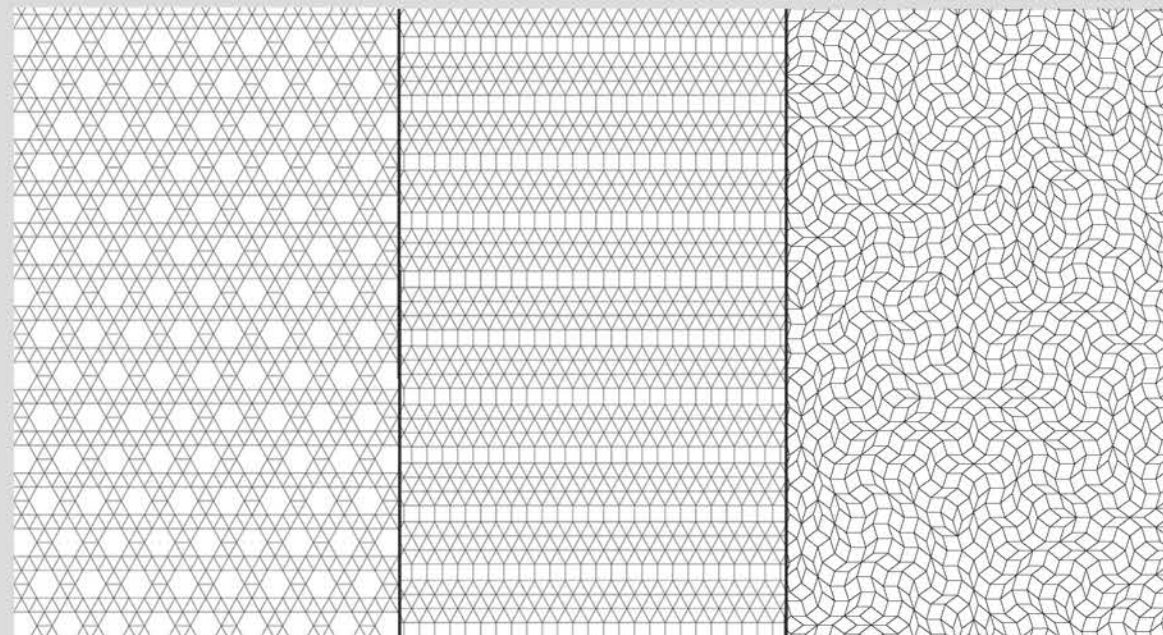
oriental pattern 2



oriental pattern 3

oriental pattern 4

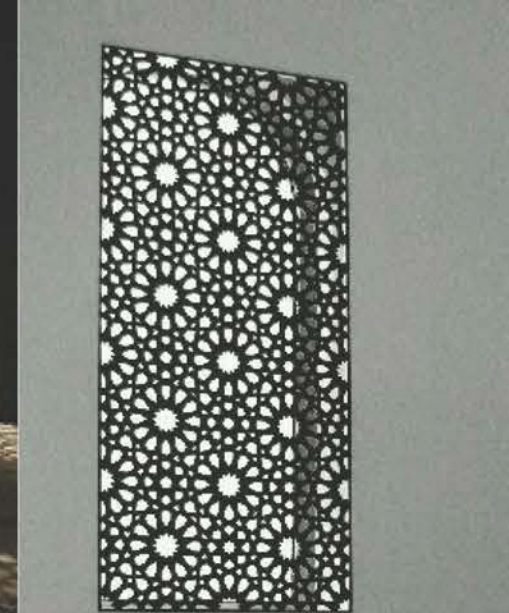
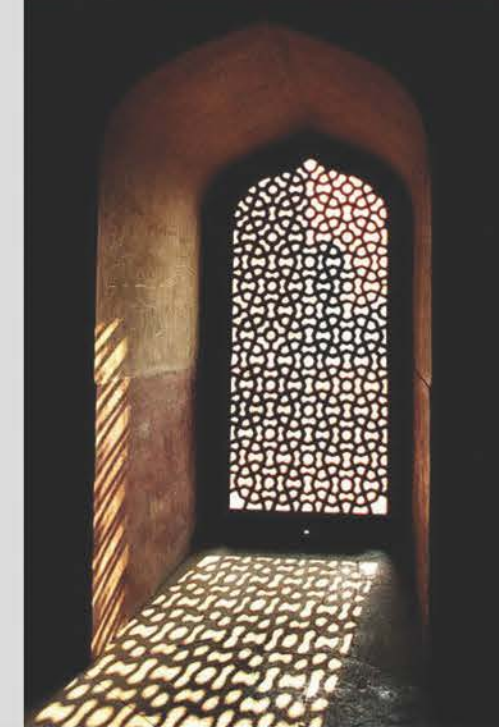
oriental pattern 5



oriental pattern 6

oriental pattern 7

oriental pattern 8



The perforated concrete panels



Intimacy and openness, tradition and contemporary lifestyle.
A new mix revealing an enjoyable and elegant comfort.

Cosy and vibrant spaces that, as an embrace, hold and open up at the same time.



View from the livingroom - VILLA TYPE A





Similar to an organism, the madreperla villa lives and changes according to season and natural light.



View from the diningroom - VILLA TYPE A



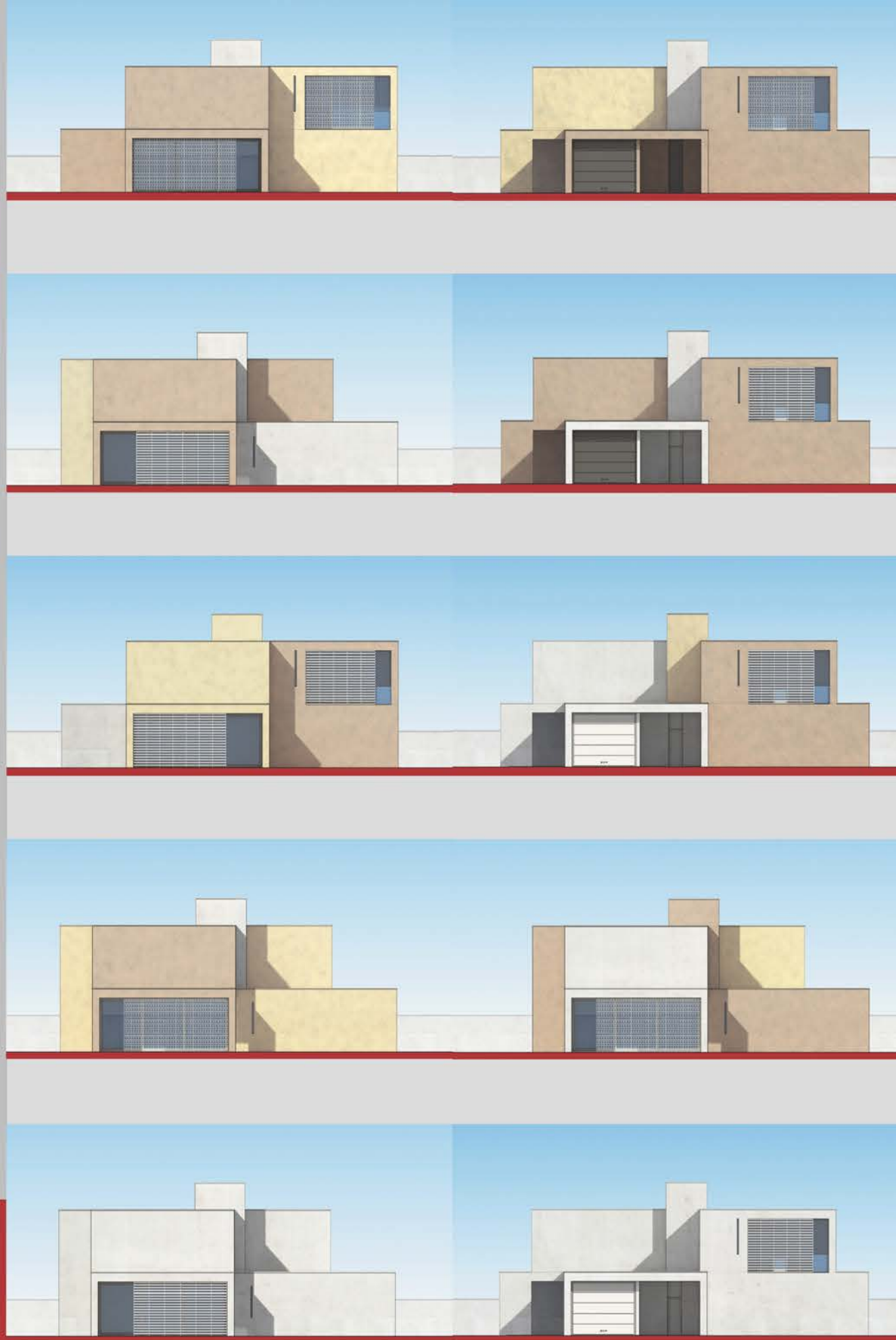
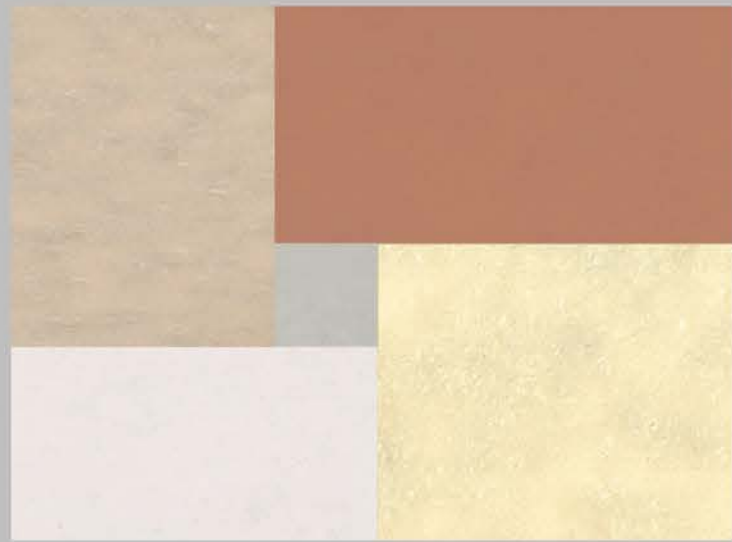


Similar to an organism, the madreperla villa lives and changes according season and natural light.



View from the bedroom - VILLA TYPE A





QUALITY MATERIALS. A QUALITY HOUSE.
WELLBEING

The concrete can have different colours, according to personal taste, with natural pigments that give a lively and changeable look that develops with time. The front design can be personalised according to the geometric proportions agreed on the volume and the open spaces of the house.



The design of the precast concrete panels: colours

