

Architecture
Portfolio
by Matic Skorjanec

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CV



Matic Skorjanec, architect

personal info

- location Nazarje, Slovenia
- tel. number +386 31767269
- birth date 21.01.1989
- nationality Slovene
- email skorjanec.matic@gmail.com
info@smarchitexture.com
- linkedin www.linkedin.com/in/matic-skorjanec-858440144/
- skype, zoom skorjanec.matic@gmail.com
- homepage www.smarchitexture.com
- instagram smarchitexture
- behance www.behance.net/54ac648f
- I can describe myself as a young, creative, professional architect with more than 5 years of experience. My passion is creating architecture and defining it through 3D models and visualizations. Also, I cannot survive without tennis and "the potion of life", coffee. In 2017, I have completed my master's degree and acquired a title as Master of Architecture Engineering. Nowadays, I am acquiring knowledge and experience in (3D) visualizations and prefabricated construction.

languages

- Slovene native
- Serbo-Croatian advanced
- English advanced
- German elementary

experience

- Doming d.o.o.
architecture bureau: junior architect, draughtsman, technical support, documentantion, interior and exterior visualisations; 2014, 2015, 2016; Maribor, Slovenia
- jaBIM
project: tower "Vinarium" (research, implementation and development of BIM objects for public use); 2015; Maribor, Slovenia
- Mamit d.o.o.
photocopy shop: ploting and preparing documentation; 2016; Maribor, Slovenia
- Rihter d.o.o. prefabricated houses
architecture bureau: architect, draughtsman, technical support, interior and exterior visualisations, documentantion, 3D visualisation videos, chief designer, communicating and coordinating with clients; 2017- 2021; Ljubno ob Savinji, Slovenia
- Arhi-biro d.o.o.
collaboration with architecture bureau: architect, draughtsman, technical support, interior and exterior visualisations, documentantion, designer; 2018- 2022; Ptuj, Slovenia
- SMA (Skorjanec Matic Architexture)
my own architecture bureau: from sketch to realisation; communicating and coordinating with clients & contractors; 2021 - present time; Slovenia

education

- Electrotechnician and computer technician 2005-2009; Velenje, Slovenia
- Bachelor's degree of Architecture (UN) 2009-2014; Maribor, Slovenia
- Master of Architectural Engineering (UN) 2014-2017; Maribor Slovenia

proficiency

- | | | | |
|---------------|------------|--------------|------------|
| • Archicad | ●●●●●●●●●● | • MS Office | ●●●●●●●●●● |
| • Autocad | ●●●●●●●●●● | • Indesign | ●●●●●●●●●● |
| • Revit | ●●●●●●●●●● | • Civil 3D | ●●●●●●●●●● |
| • Lumion | ●●●●●●●●●● | • ReCap | ●●●●●●●●●● |
| • Artlantis | ●●●●●●●●●● | • InfraWorks | ●●●●●●●●●● |
| • Sketchup | ●●●●●●●●●● | • 3DS Max | ●●●●●●●●●● |
| • Photoshop | ●●●●●●●●●● | • Blender | ●●●●●●●●●● |
| • Illustrator | ●●●●●●●●●● | • Cinema 4D | ●●●●●●●●●● |

skills

- 3D visualisation, reliable teamwork, collaboration professional, BIM, creative, innovative, attention to detail, problem solving

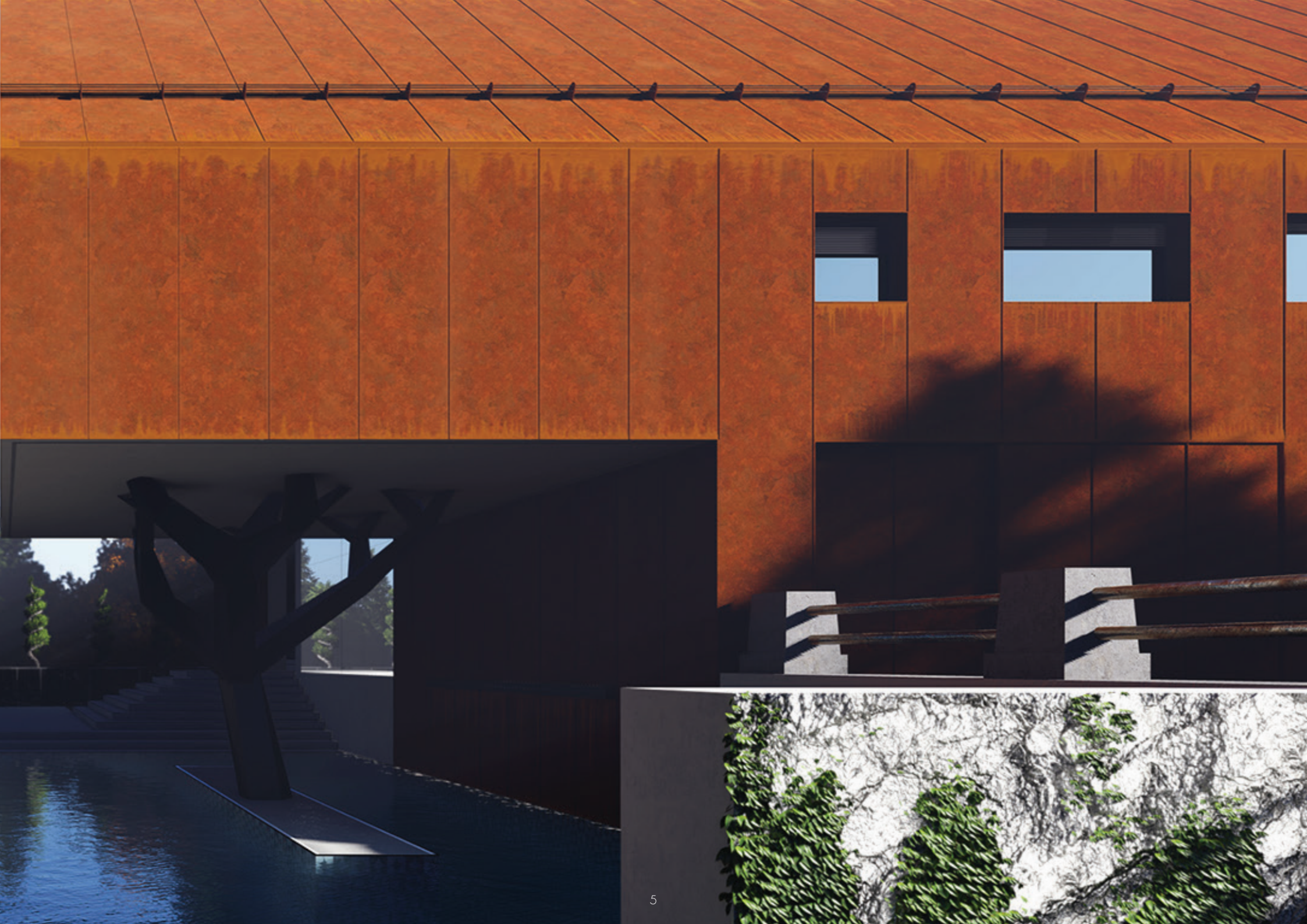
interests

- tennis, sketching, coffee, cats, books, cycling, cakes, mornings;



Rusty Fairytale

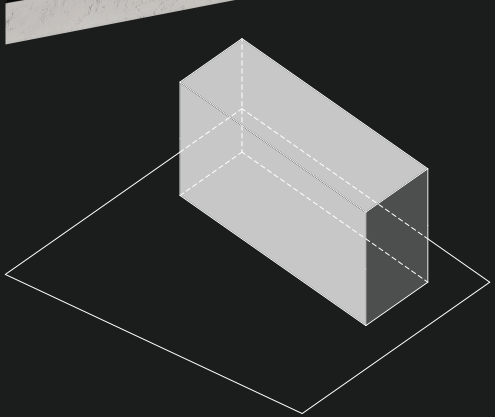






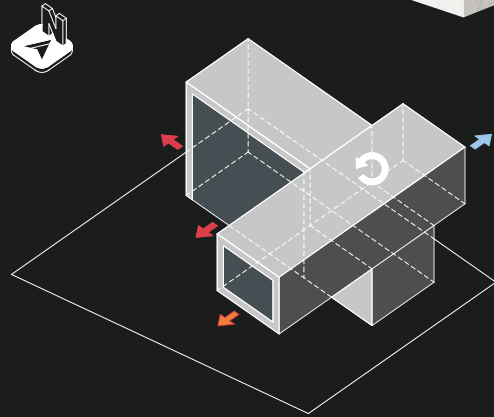
The pristine landscapes of the Alps welcome the newcomer who rises above the local lake and amazes with its presence. The combination of materials, form and just the right amount of charisma provides a sophisticated yet inconspicuous architecture. The sustainable architecture provides a home for the family, and the outdoor space ensures a pleasant and timeless experience. Architecture where time seems to have stopped. Architecture that loves life.

The house is intended for a family that regularly hosts family and business meetings, as both parents are career-oriented, and the two-storey rooms provide privacy for children, where they can retreat and have their peace and quiet. The Alpine region provides peace and exceptional views of the lake and the surrounding hills, while the northern side of the area is made up of forest and high hills, which provides coolness on hot summer days.



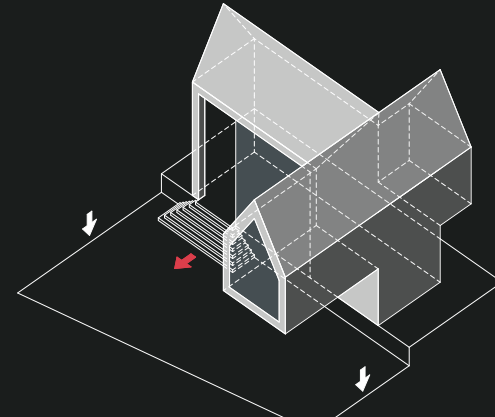
SITE

The form of the building is stretched and adjusted to the platform, thus taking advantage of the space offered. The form must be filled in with a residential house program (living room, children's rooms, bedroom).



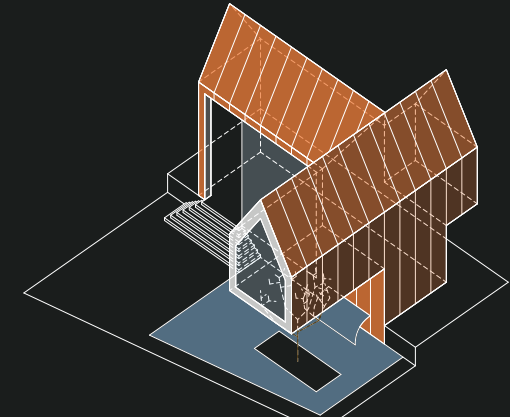
ORIENTATION

The living room has a view to the south and west. A form that rotates north and south is added to the storey. Rotated form offers privacy and fulfils the needs of natural light. The bedroom is facing north (it does not need natural light), and the children's rooms are facing south (they love the sunlight).



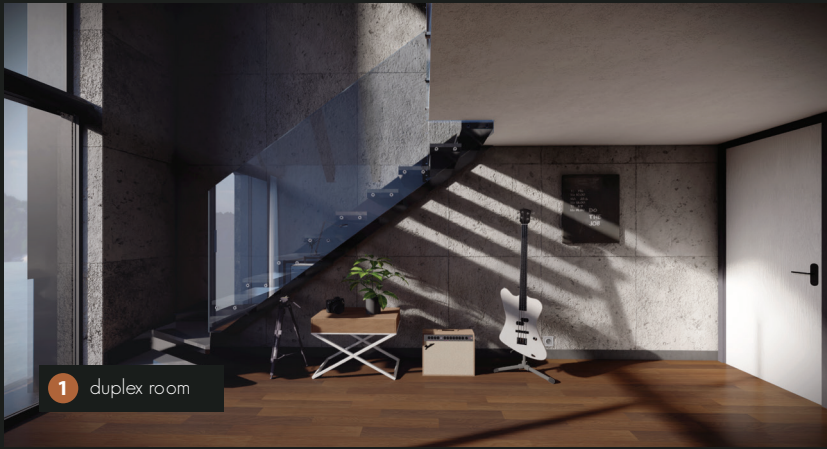
SHAPE

Due to its location in the Alpine world, a gabled roof with a steep slope is added. The shape thus approaches the Alpine architecture. The south platform retreats to the view of the lake and the mountains that stretch across the entire horizon.



RUSTY

Corten façade is added, which blends with its brown-orange colour with the surroundings (autumn). Also provides excellent weather protection. Pool and the fountain bring the building closer to nature, and the overhang of the building forms a canopy, which is complemented by an imitation of a tree.



1 duplex room



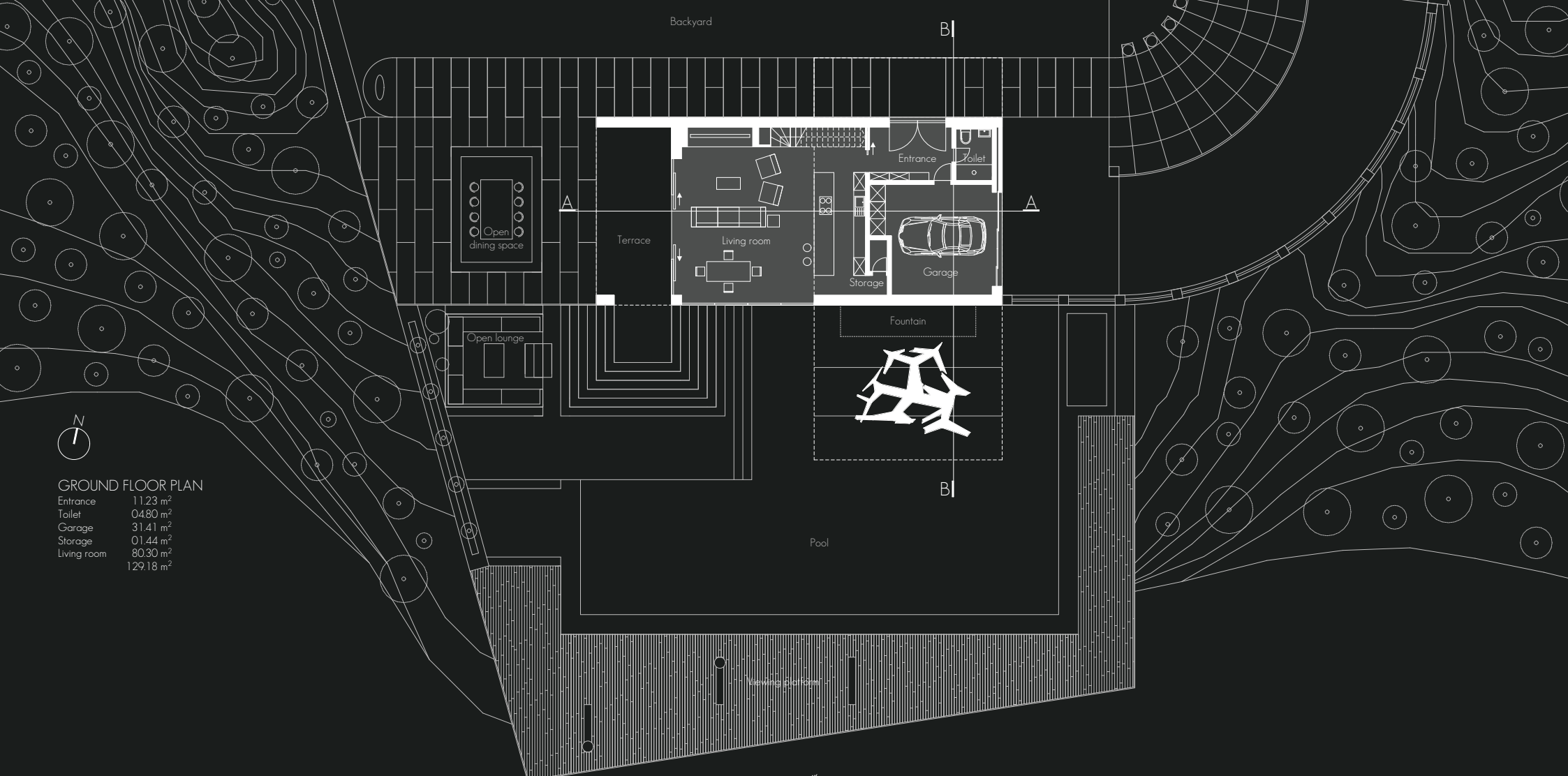
2 kitchen



3 living room

The house has ground floor and first floor, surrounded by a terrace on two levels. The first level includes a terrace with a summer dining area, green area and access to the house that passes via the access road. Along the access road, there is also a walking path made of concrete slabs, which leads to the terrace. The second level leads via an external staircase to the swimming pool and the platform with a beautiful view that opens across the entire horizon, as the platform or house is raised above the lake. The main symbol of the house is a tree that supports the storey and symbolically marks the house as a canopy and is thus an homage to nature. The ground floor consists of the entrance to the house, a garage and a huge living room that is open to the roof. The living room, connected to the terrace outside, contains a kitchen, a dining room and a living area with a fireplace. The garret consists of a fitness room next to the staircase, which has a view through the glazing of the living room to the south and west. In addition, there is a master bedroom with a bathroom, a guest room with a bathroom and two two-storey children's rooms, which have two pantries and a bathroom. These two rooms are open to the south and provide natural light throughout the day.





GROUND FLOOR PLAN

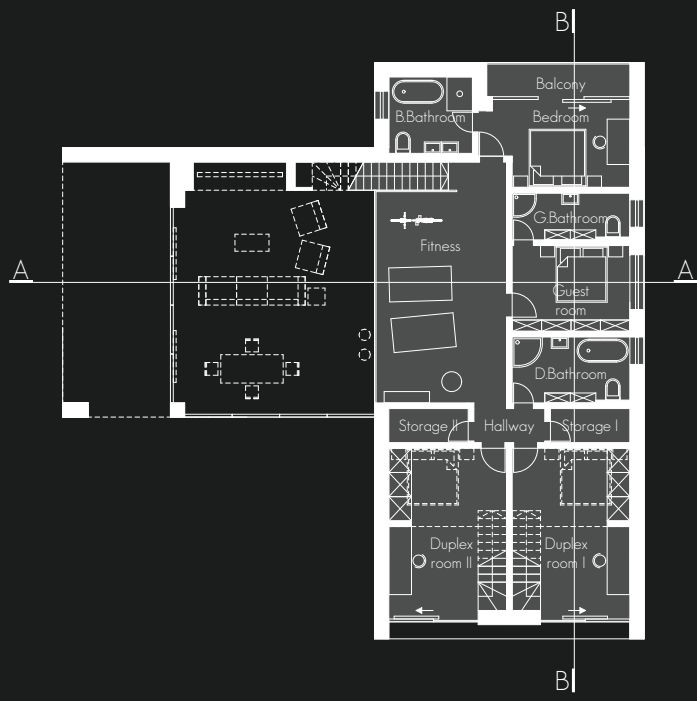
Entrance	11.23 m ²
Toilet	0.480 m ²
Garage	31.41 m ²
Storage	01.44 m ²
Living room	80.30 m ²
	129.18 m ²

SECTION A-A

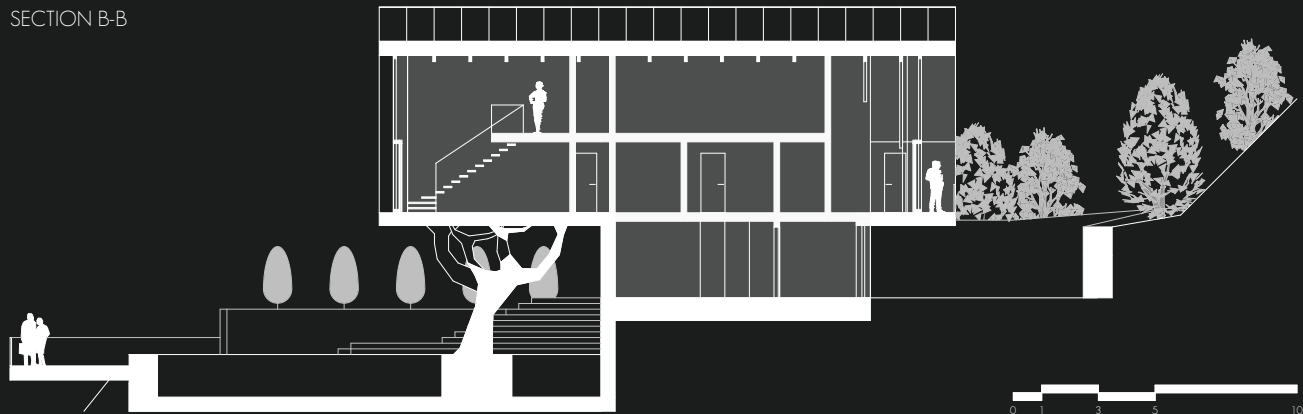


FIRST FLOOR PLAN

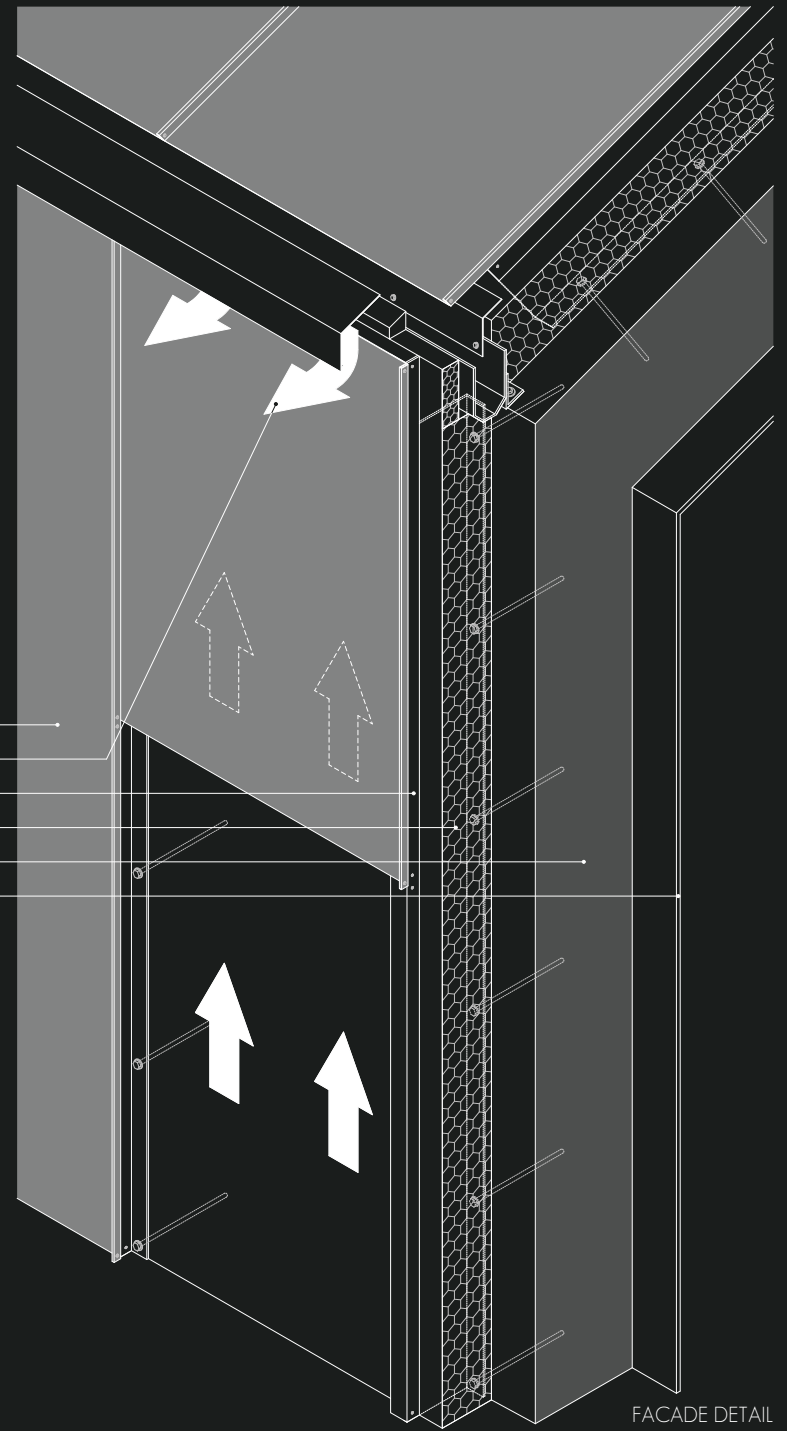
Balcony	06.06 m ²
Bedroom	13.12 m ²
B.Bathroom	07.96 m ²
Fitness	39.52 m ²
Guest room	12.57 m ²
G.Bathroom	06.83 m ²
Duplex room I	35.20 m ²
Duplex room II	35.20 m ²
Storage I	03.36 m ²
Storage II	03.36 m ²
D.Bathroom	09.66 m ²
Hallway	02.96 m ²
	175.80 m ²



SECTION B-B



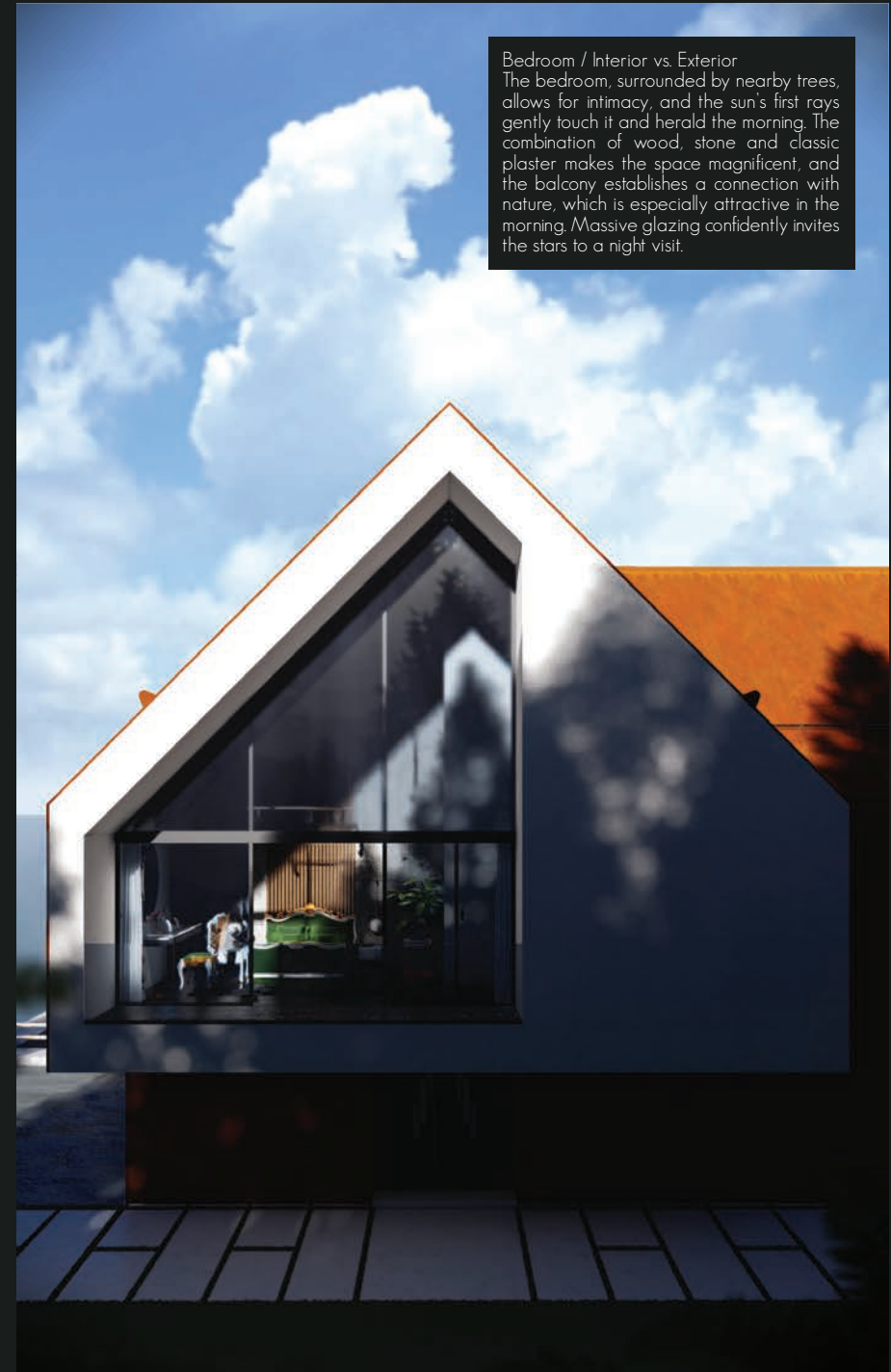
- CORTEN PANELS
- AIR CAVITY
- PRE-ENGINEERED ALUMINIUM PROFILE
- THERMAL INSULATION
- REINFORCED CONCRETE CONSTRUCTION
- PLASTER



FACADE DETAIL



Bedroom / Interior vs. Exterior
 The bedroom, surrounded by nearby trees, allows for intimacy, and the sun's first rays gently touch it and herald the morning. The combination of wood, stone and classic plaster makes the space magnificent, and the balcony establishes a connection with nature, which is especially attractive in the morning. Massive glazing confidently invites the stars to a night visit.

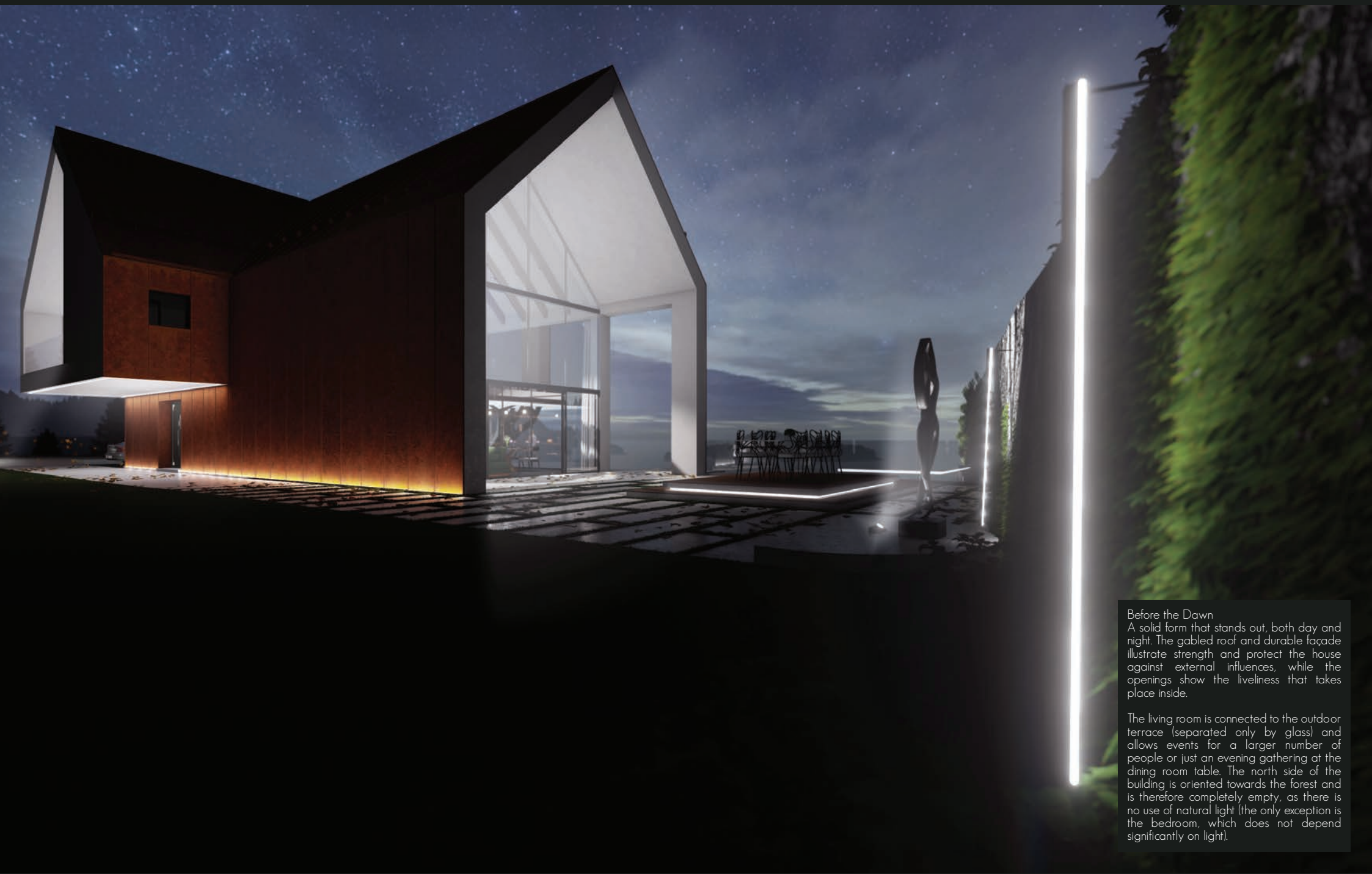




Living Room - The Heart of Everything
The room where generations meet. The room where the line between reality and virtual reality is erased. The room where ideas are born. The open ceiling and visible roof structure make the room spectacular, not to mention the view through the main window of the house. The two-storey room, divided into a living area and a fitness center, combines several traditional (separate) rooms into one, openness to the south and west adds natural light and impresses everyone.



Kitchen at Night
Minimalist, but spacious. Smooth defined lines and selected materials and colours bring liveliness and coherence with other equipment in the room. Black marble, wood and a pinch of gold create a magical and supernatural area.



Before the Dawn
A solid form that stands out, both day and night. The gabled roof and durable façade illustrate strength and protect the house against external influences, while the openings show the liveliness that takes place inside.

The living room is connected to the outdoor terrace (separated only by glass) and allows events for a larger number of people or just an evening gathering at the dining room table. The north side of the building is oriented towards the forest and is therefore completely empty, as there is no use of natural light (the only exception is the bedroom, which does not depend significantly on light).

Corten Steel

Given the hostile weather conditions, the choice regarding the building envelope was simple. Corten steel is an easy to maintain, durable and 100% recycled material. Rust eventually creates a surface coating that is constantly renewed and provides protection. Cleaning is only necessary occasionally, but we can leave it to the rain, which washes the façade and thus cleans it. Corten steel is not suitable for coastal areas (salt), therefore it is so much more fitting to be located by the lake.





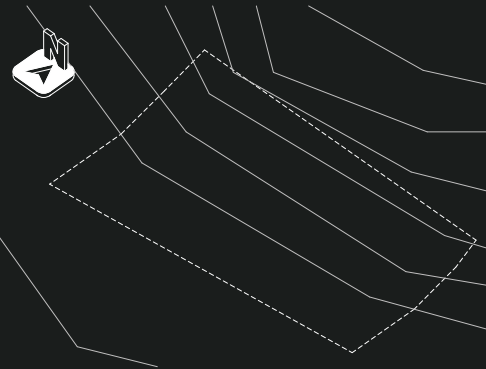
Mountain Silhouette





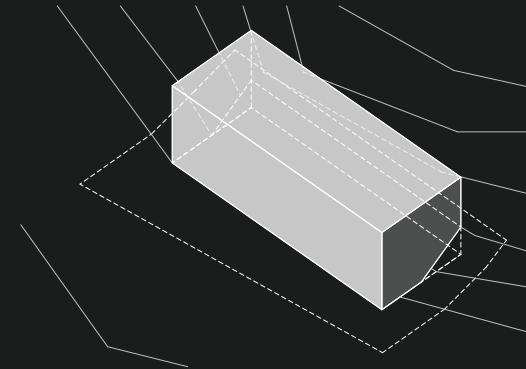
The housing crisis is being dealt with by building a substantial number of apartments, of course, of high quality. In the embrace of the Upper Savinja Valley, a multi-occupancy accommodation with twenty apartments is currently under construction. Due to the shape of the plot, the design is simple: The elongated shape is to be surrounded by apartments, and a communication corridor is to be placed in the middle. The building has three floors, the upper two of which are intended for apartments, and the basement is available for service areas, storage rooms, entrance and, above all, parking spaces. Thus, it does not interfere with the apartment floors and ensures a comfortable and primarily peaceful stay for the residents. The basement floor is made of concrete reinforced structure, while the ground floor and the first floor are made of wooden prefabricated construction.

Date of construction: 2022-2023
location: Slovenia



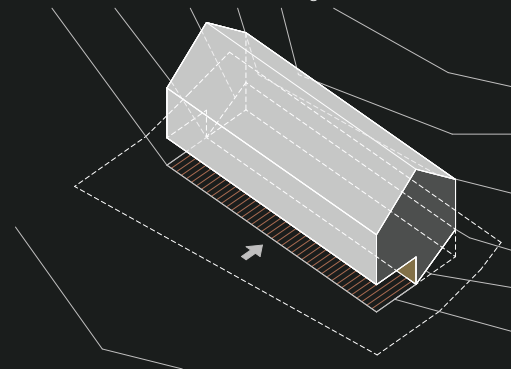
SITE

The elongated plot on a gradient offers many questions and answers on how to proceed in the planning of the building.



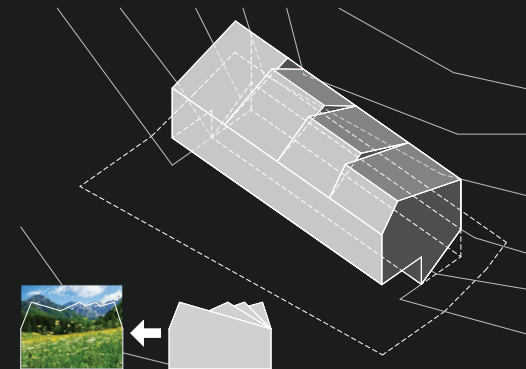
SHAPE

The building is formed alongside the plot, it is semi-underground and thus oriented towards the south.



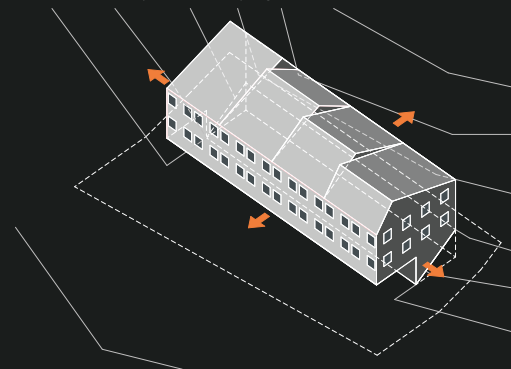
ADJUSTMENT

Underground basement floor is used for parking spaces, storage and communications. Due to the typical rural development, a sloping roof on two sides is added.



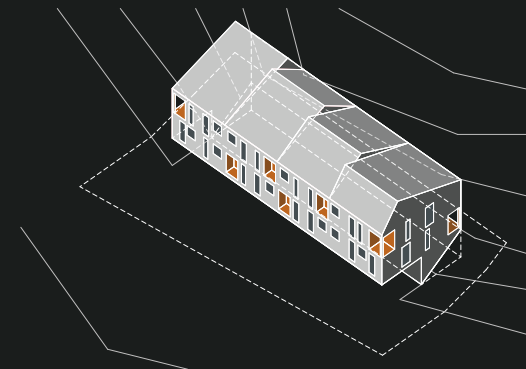
ROOF

The elongated roof is divided into four sections, showing the silhouette of the surrounding mountains from the front sides.



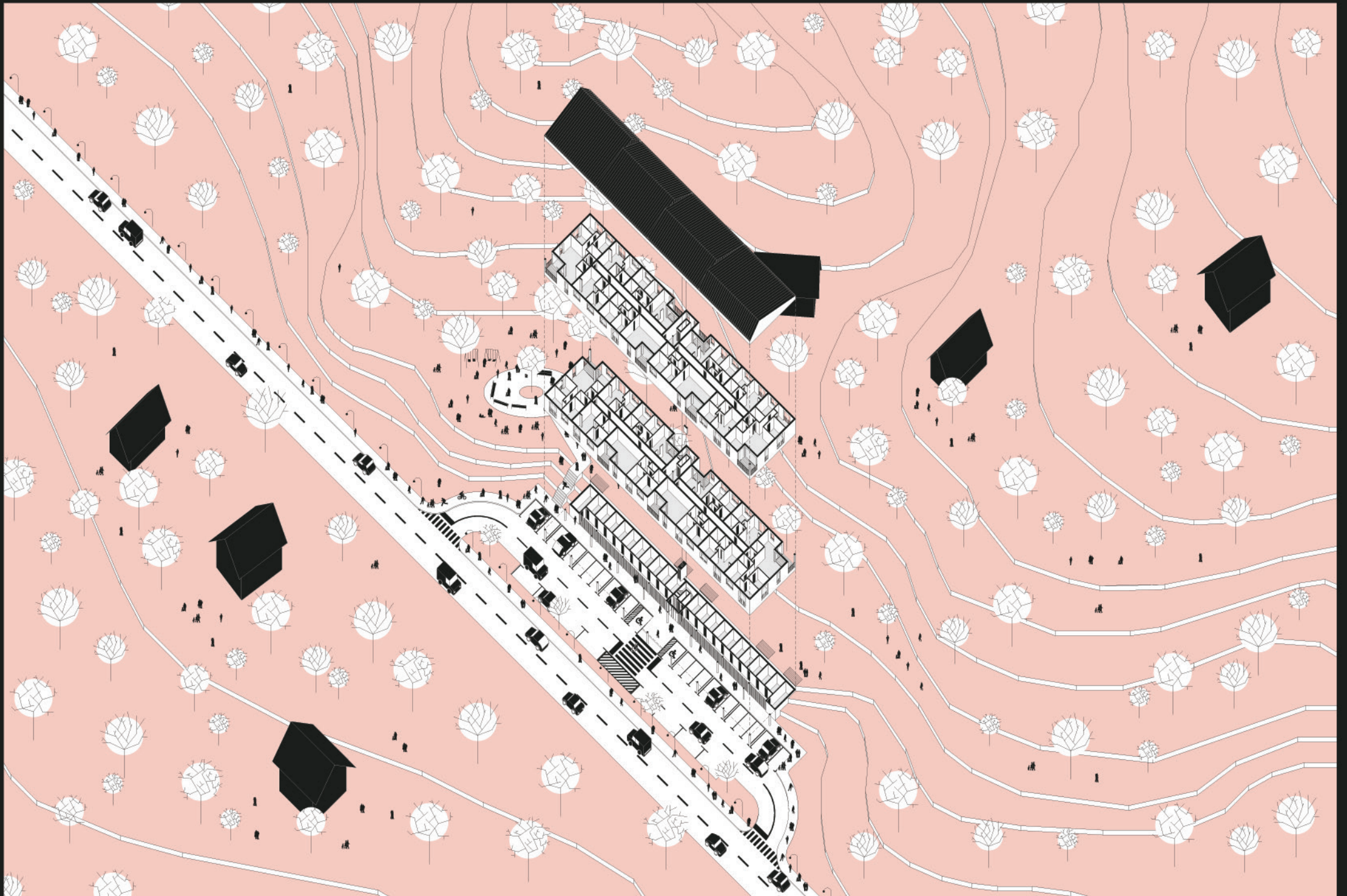
ORIENTATION

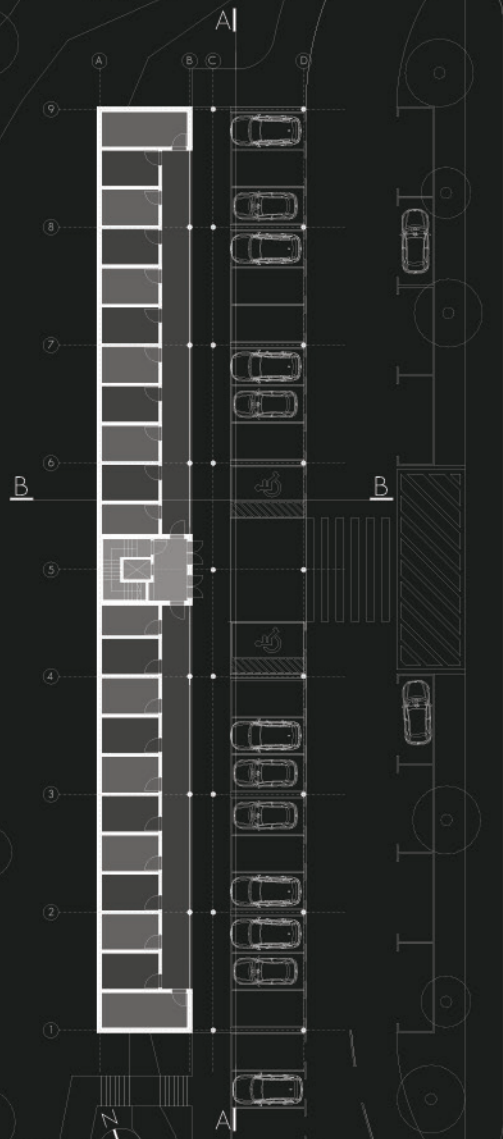
The orientation of the premises is in all four directions, while the orientation of the building continues to provide daylight to each housing unit at any given moment of the day.



FINAL

The monotonicity of the façade is broken by a dynamically set glazing and loggias.

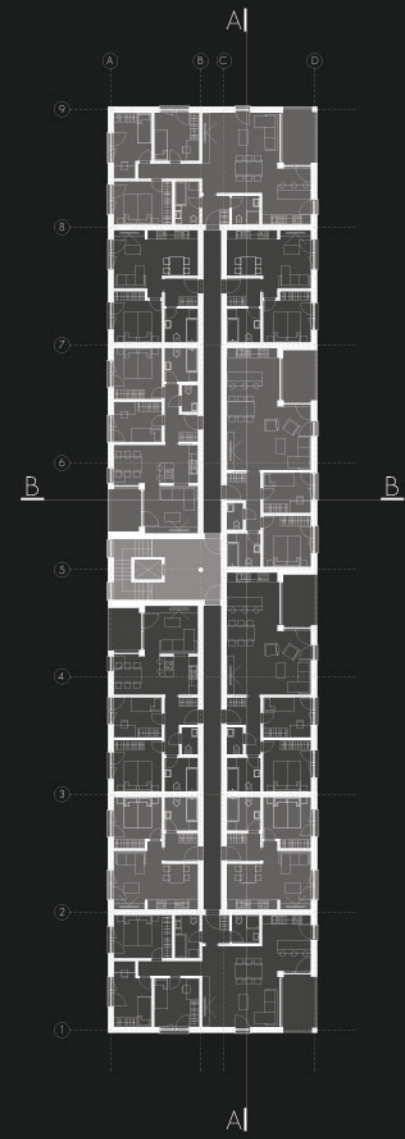




BASEMENT FLOOR PLAN
 Parking plots, storages, service,
 entrance & communications



GROUND FLOOR PLAN
 One bedroom apartment x4
 Two bedroom apartment x4
 Three bedroom apartment x2



1st FLOOR PLAN
 One bedroom apartment x4
 Two bedroom apartment x4
 Three bedroom apartment x2

FAÇADE DETAIL 1:50

H1 - BASEMENT FLOOR

- final layer (sawd) 20 mm
- cement screed 60 mm
- EPS insulation 80 mm
- waterproofing membrane 500 mm
- reinforced foundation slab 100 mm
- XPS insulation 100 mm
- lean concrete 100 mm

H2 - GROUND FLOOR

- final layer (parquet) 20 mm
- cement screed 60 mm
- under-floor heating 80 mm
- EPS insulation 80 mm
- waterproofing membrane 180 mm
- reinforced concrete floor 20 mm
- internal plaster 20 mm

H3 - FIRST FLOOR

- final layer (parquet) 20 mm
- cement screed 60 mm
- under-floor heating 80 mm
- EPS insulation 80 mm
- OSB plywood plate 15 mm
- wooden construction 220 mm
- rockwool insulation 80 mm
- wooden slats 20 mm
- plasterboard 15 mm

H4 - CEILING

- wooden construction 220 mm
- rockwool insulation 220 mm
- steam barrier 80 mm
- first wooden slats 80 mm
- rockwool insulation 80 mm
- second wooden slats 20 mm
- plasterboard 15 mm

V1 - BASEMENT WALL

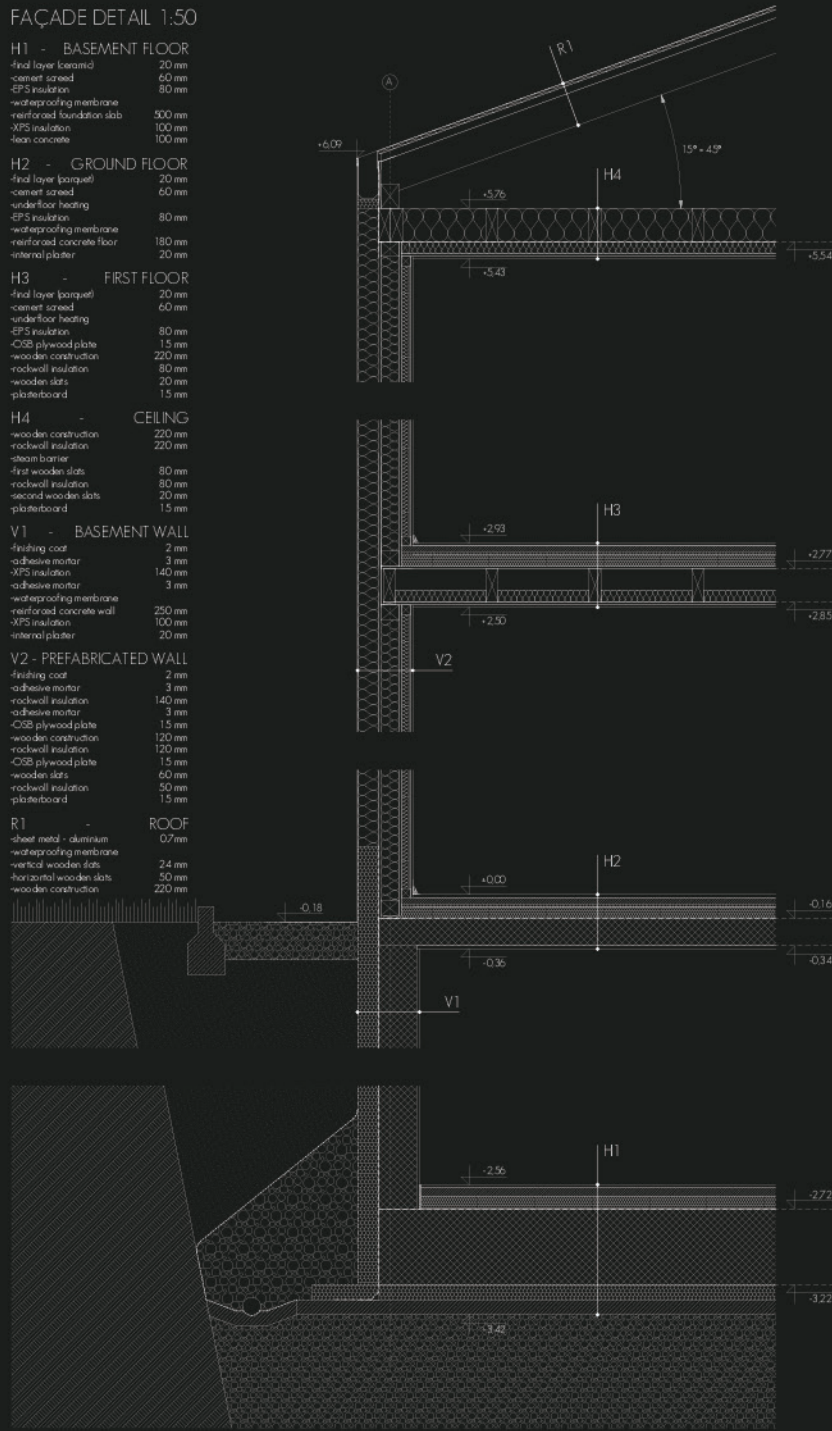
- finishing coat 2 mm
- adhesive mortar 3 mm
- rockwool insulation 140 mm
- adhesive mortar 3 mm
- waterproofing membrane 250 mm
- reinforced concrete wall 100 mm
- XPS insulation 100 mm
- internal plaster 20 mm

V2 - PREFABRICATED WALL

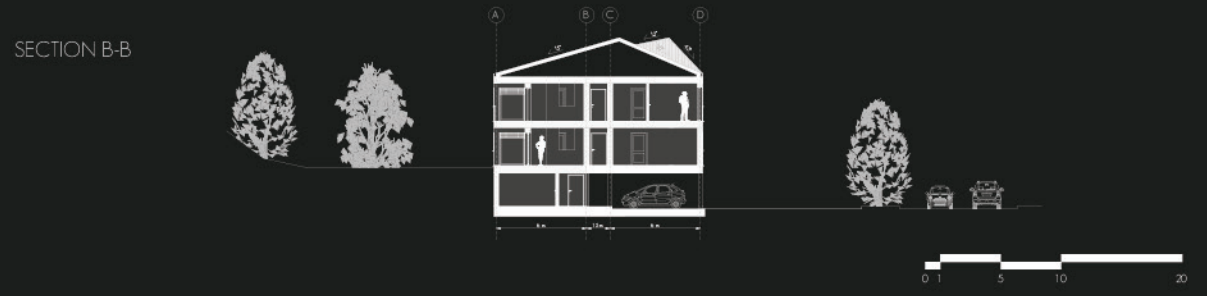
- finishing coat 2 mm
- adhesive mortar 3 mm
- rockwool insulation 140 mm
- adhesive mortar 3 mm
- OSB plywood plate 15 mm
- wooden construction 120 mm
- rockwool insulation 120 mm
- OSB plywood plate 15 mm
- wooden slats 60 mm
- rockwool insulation 50 mm
- plasterboard 15 mm

R1 - ROOF

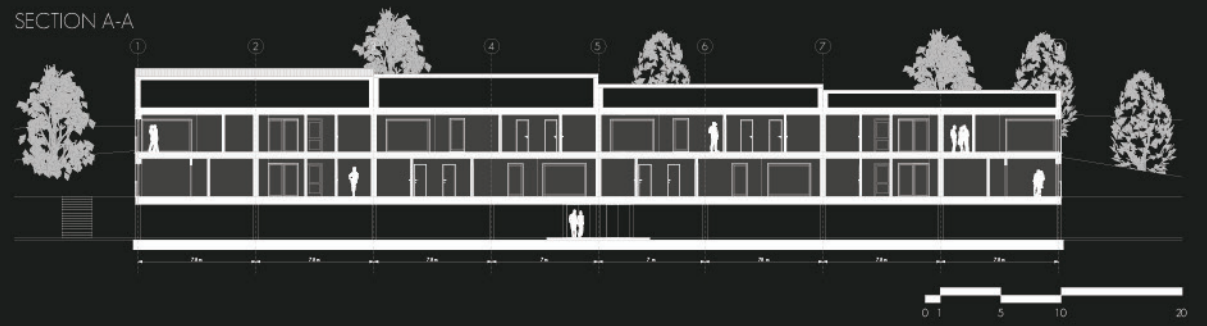
- sheet metal - aluminum 07mm
- waterproofing membrane 24 mm
- vertical wooden slats 50 mm
- horizontal wooden slats 220 mm
- wooden construction 220 mm



SECTION B-B



SECTION A-A



NORTH ELEVATION



SOUTH ELEVATION



WEST ELEVATION

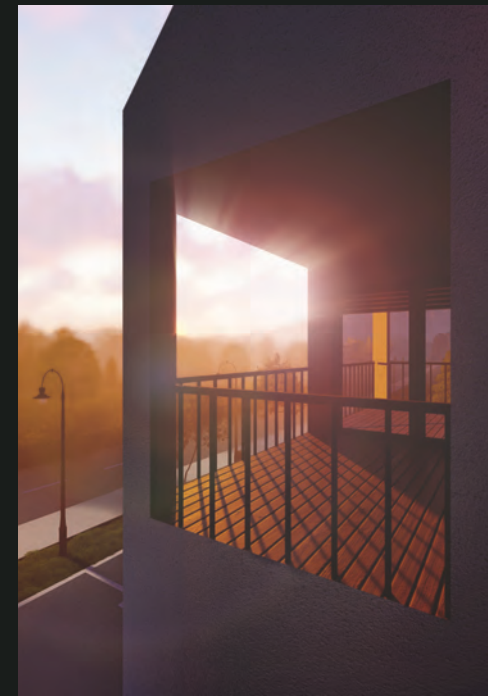


EAST ELEVATION



Advantages

The dynamic façade with glazing and loggias makes the elongated building interesting, while the warm shades of the façade are graceful and appealing. The configuration of the terrain has enabled the separation of floors into two parts: public (basement floor) and private (ground floor, first floor).







Description

The western part does not offer much sunlight yet it provides privacy, and the large platform next to the building is a safe location for children's playground, for picnics or for a relaxing retreat in nature surrounded by the ascending forest nearby.

From the view of the front façade, the roof portrays a silhouette of the nearby mountains and with its appearance becomes dominant in the area.

The two elevated apartment floors offer views of the valley to the east and south.



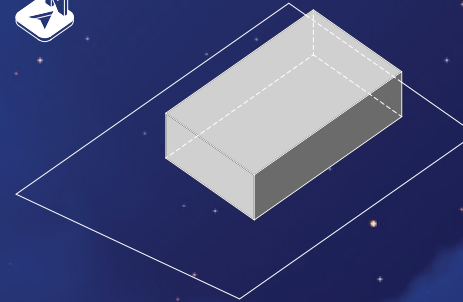


Suburban Sanctuary



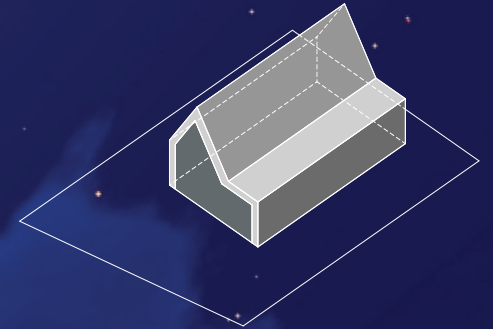


Main goal was to eliminate time, used for transit. The main characters are a young couple, extremely successful careerists and business people, who decided to open their own bureau. They did not get well with the city life, apartment prices skyrocketed so they bought a land in periphery and built a house, which includes business premises for their bureau. They achieved a double win. Now, they can easily find time for each other and spend around 30 seconds for their transit to work, if they stop in the kitchen for a cup of coffee, extremely important in this industry. A home separated with public (working) and private place? A home with hidden and unhidden parts? What and, especially, how to place a program into a small house unit? Investors did not want to increase the volume of the house, they needed one guest room and they made a decision to remove the staircase. The latter is practically useless once you grow old. They made a smart arrangement with program in a floor plan.



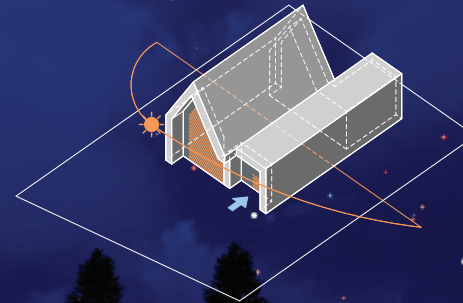
SITE

Suburban location adding form all the benefits to unleash itself, limited only with land borders. The countryside offers peaceful environment.



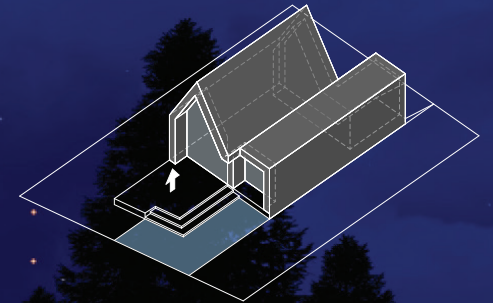
ROOF

The roof is raised up above the living area. Now the direct sunlight has a full access to the core of the house and is also useful for the office on the north side with indirect sunlight.



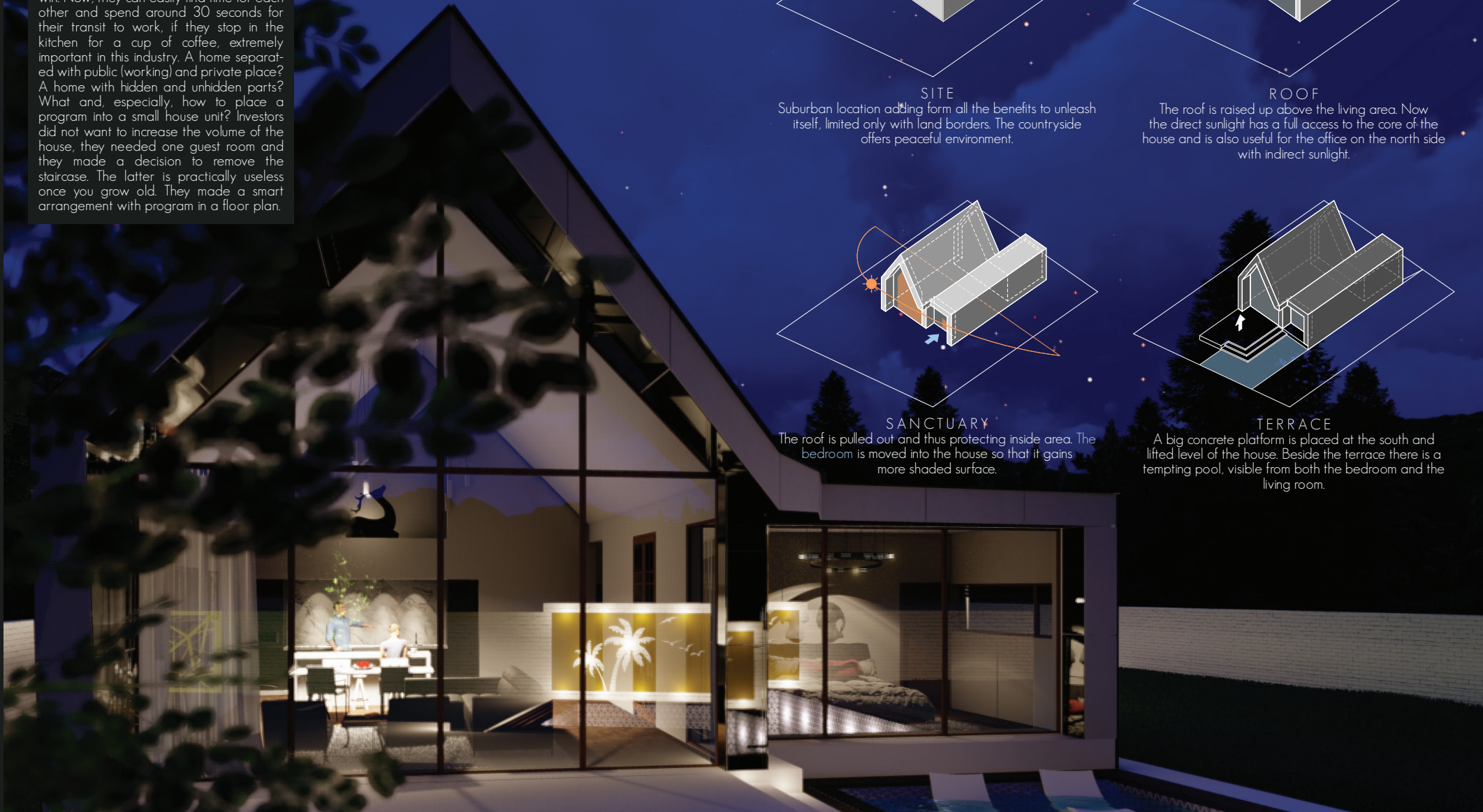
SANCTUARY

The roof is pulled out and thus protecting inside area. The bedroom is moved into the house so that it gains more shaded surface.

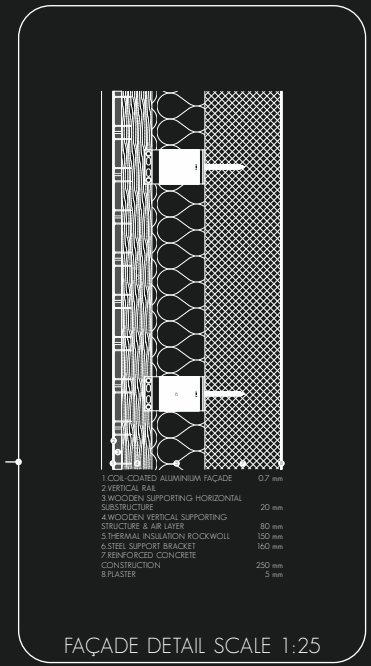
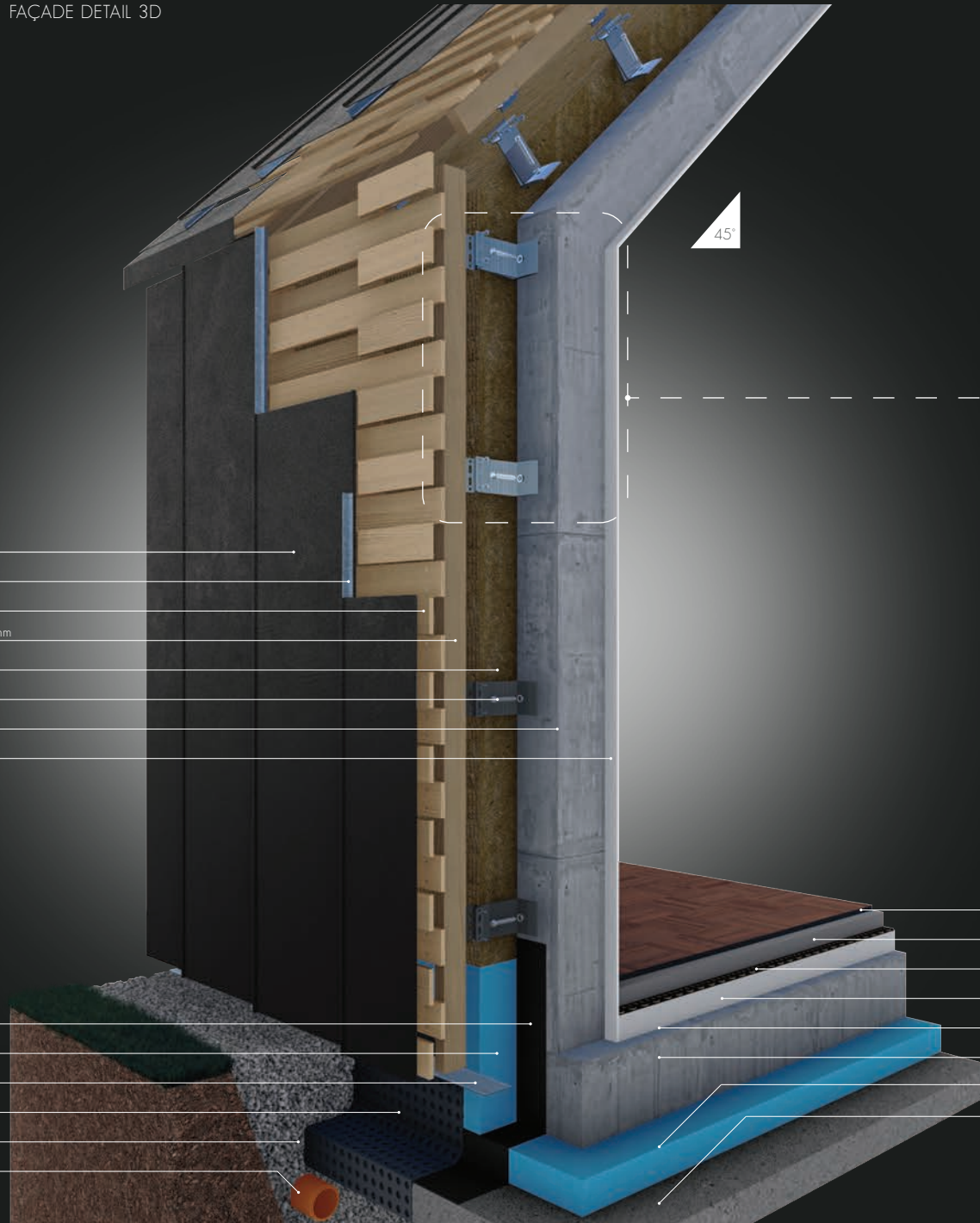


TERRACE

A big concrete platform is placed at the south and lifted level of the house. Beside the terrace there is a tempting pool, visible from both the bedroom and the living room.



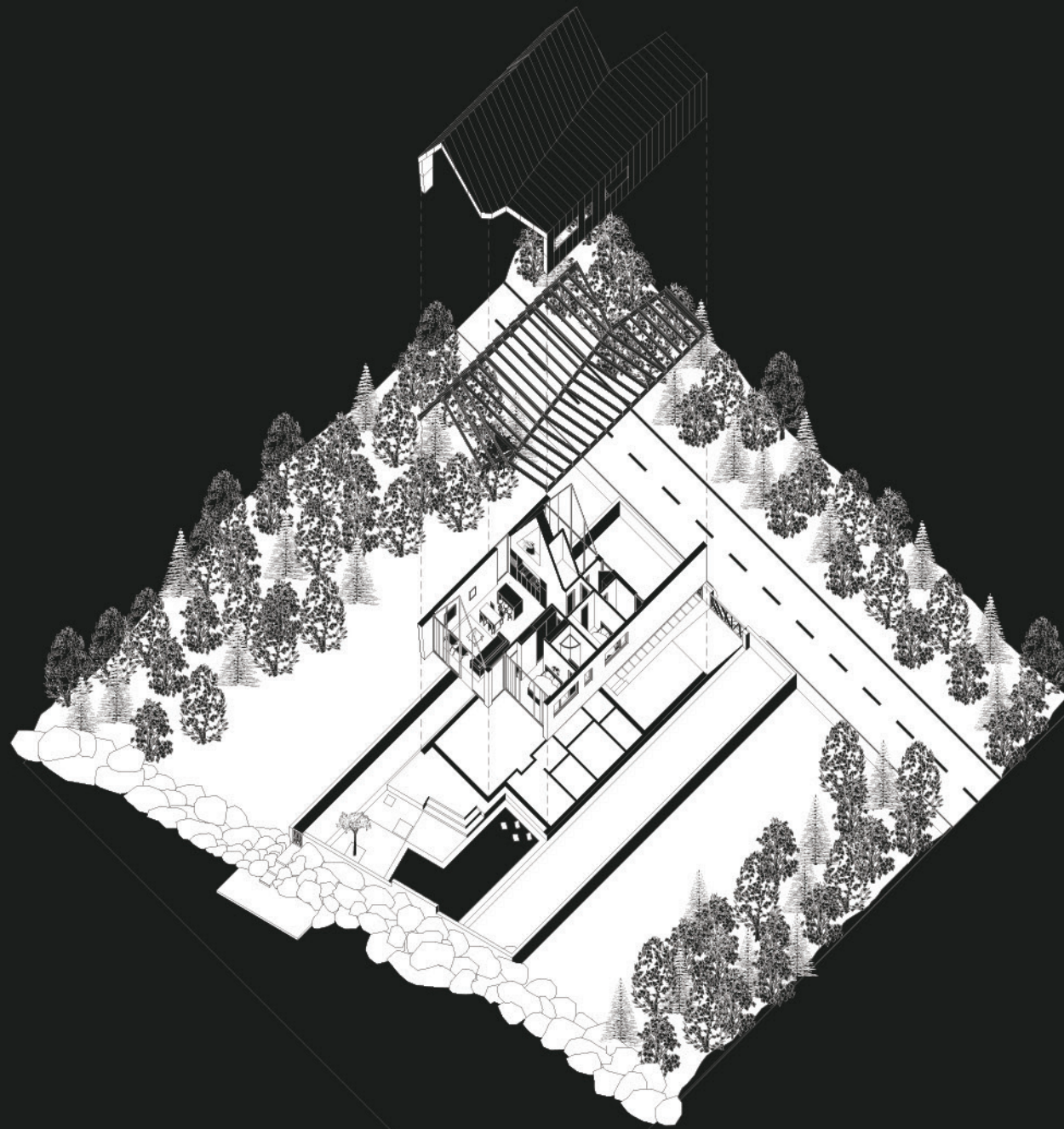
FAÇADE DETAIL 3D

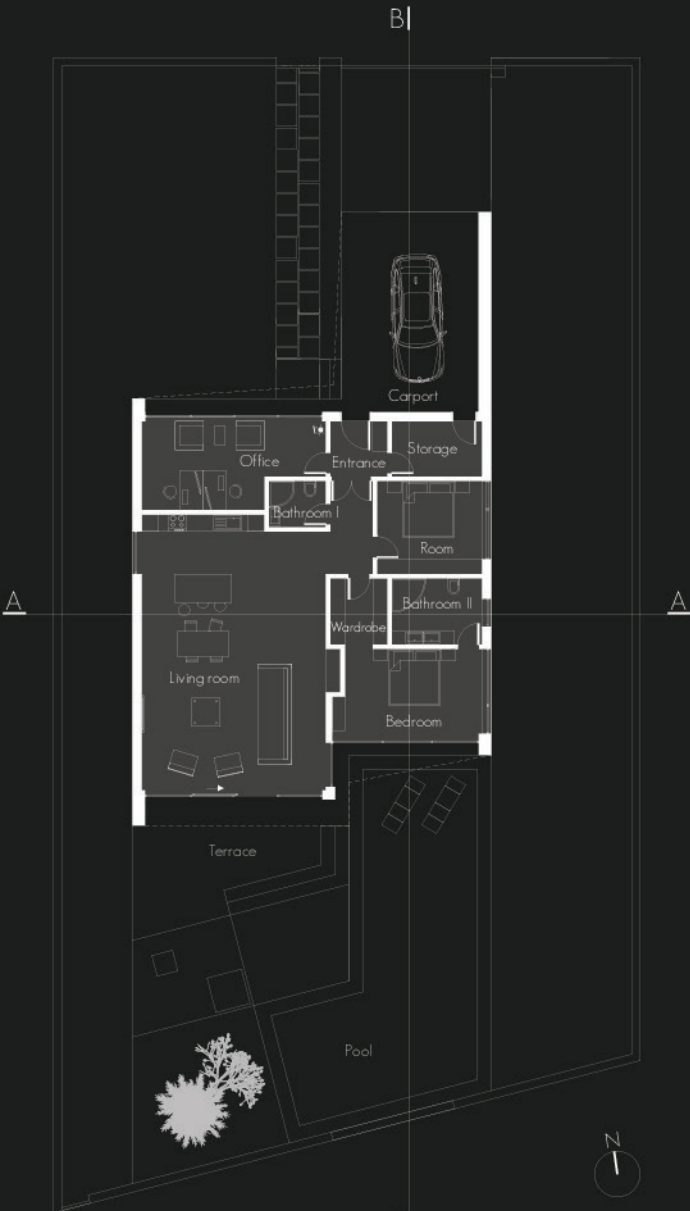


- COIL-COATED ALUMINIUM FAÇADE 0,7 mm
- VERTICAL RAIL
- WOODEN SUPPORTING HORIZONTAL SUBSTRUCTURE 20 mm
- WOODEN VERTICAL SUPPORTING STRUCTURE & AIR LAYER 80 mm
- THERMAL INSULATION ROCKWOLL 150 mm
- STEEL SUPPORT BRACKET 160 mm
- REINFORCED CONCRETE CONSTRUCTION 250 mm
- PLASTER 5 mm

- WATERPROOFING MEMBRANE
- XPS INSULATION 150 mm
- PROTECTING SHEET
- DIMPLED MEMBRANE
- GRAVEL 32 - 64 mm
- DRAINAGE

- FINAL LAYER (PARQUET) 20 mm
- CEMENT SCREED 60 mm
- UNDERFLOOR HEATING
- EPS INSULATION 80 mm
- WATERPROOFING MEMBRANE
- REINFORCED FOUNDATION SLAB 250 mm
- XPS INSULATION 100 mm
- LEAN CONCRETE 100 mm

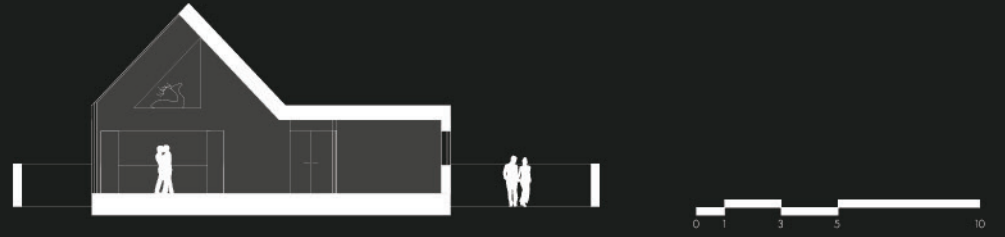




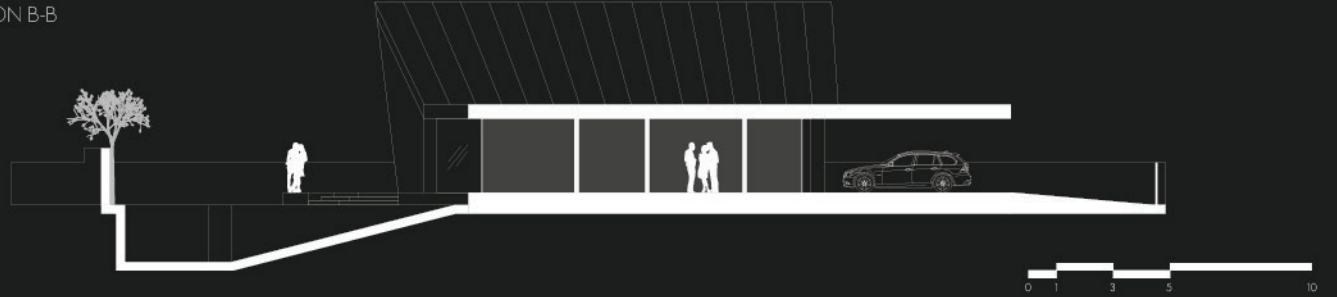
GROUND FLOOR PLAN

Entrance	03.94 m ²
Storage	06.16 m ²
Office	17.80 m ²
Bathroom I	03.28 m ²
Room	12.14 m ²
Wardrobe	04.73 m ²
Bedroom	15.37 m ²
Bathroom II	07.42 m ²
Living room	64.20 m ²
Total	135.04 m²

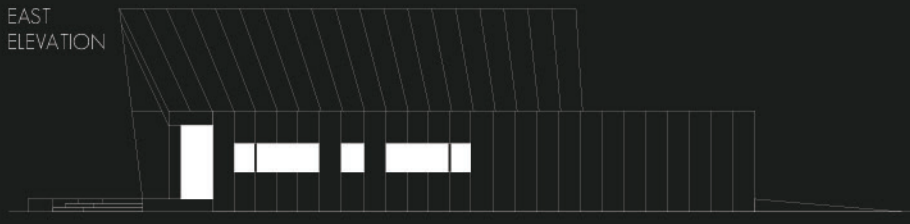
SECTION A-A



SECTION B-B



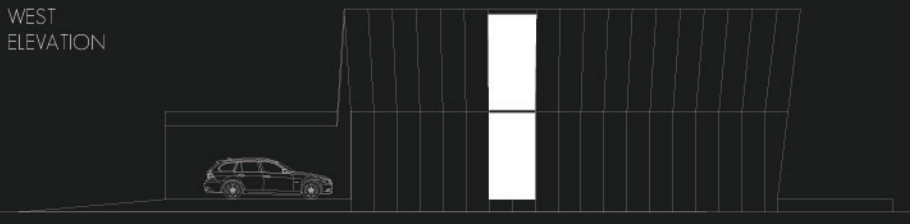
EAST ELEVATION



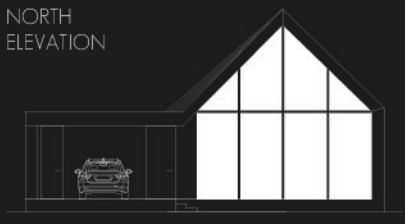
SOUTH ELEVATION



WEST ELEVATION



NORTH ELEVATION



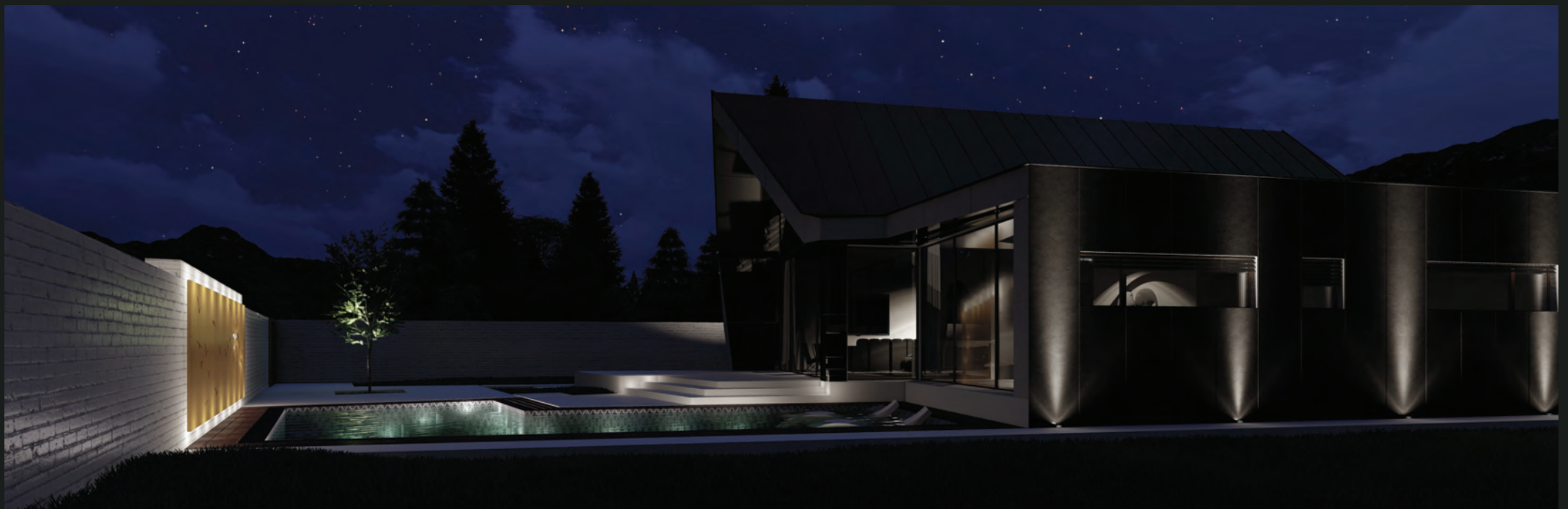


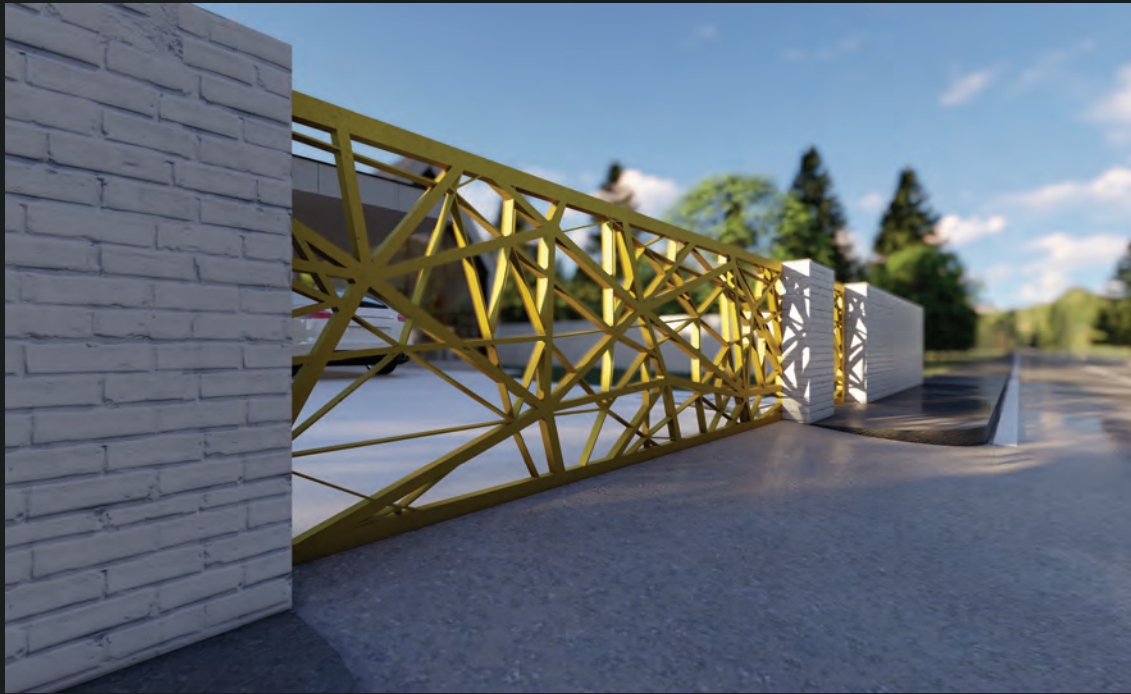
Heart in a shell

The center represents the living room, a place where owners are going to spend most of their time. A giant glazing at the southern façade is a portal for sunlight, directs it into the living room and creates a magical moment while making dinner or while drinking a glass of sweet white wine, which is delicious after a good dinner or just for a well-deserved toast, meant for successfully carried out business.

The roof and part of façade are covered with dark sheet metal, front façades are covered with façade plates, made of artificial materials, extremely durable and resistant. Part of inner roof is covered with polished stainless-steel plates. With high reflection they connect environment to the building and vice versa. Plates of polished steel discreetly transfer reflection to the glazing on the wall. Glazing surfaces are supported with wooden frame. The frame is integrated with wood around the pool and forms a counterpoint to artificial materials on the façade.







Working space / interior
The office is a space, where they will spend a third of their time and, therefore, it is designed to be attractive and friendly and where the artificial light is rarely in use. The office is relatively small, but the floor plan is designed efficiently. There are two workplaces placed in the office, a rack for literature and documents, sofas and coffee table for business meetings.

Working space / exterior
Whole northern façade, where the office is located, is opened with glazing wall and offers indirect natural light. Direct natural light never reaches this side of the house, which a working place, as the office is, has no need for.



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