

NA VÝSLUNNÍ:
A House That Blends into
the Landscape

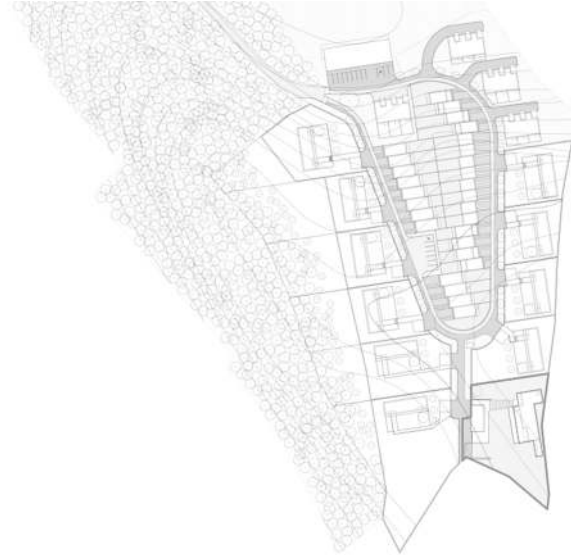
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Designing with the Landscape

Originally conceived by architect Petr Skrušný as a show home for a planned residential development, Villa Na Výsluní ultimately became his family's own residence. Set on a south-facing hillside overlooking Letovice, the site offered privacy, abundant daylight, and panoramic views. These qualities inspired a unique architectural response: much of the house is integrated into the terrain, creating a strong connection between the building and the landscape. Natural light penetrates deep into the home through a central courtyard, rooflights, and sun tunnels, ensuring bright and comfortable interiors despite the partially subterranean design.





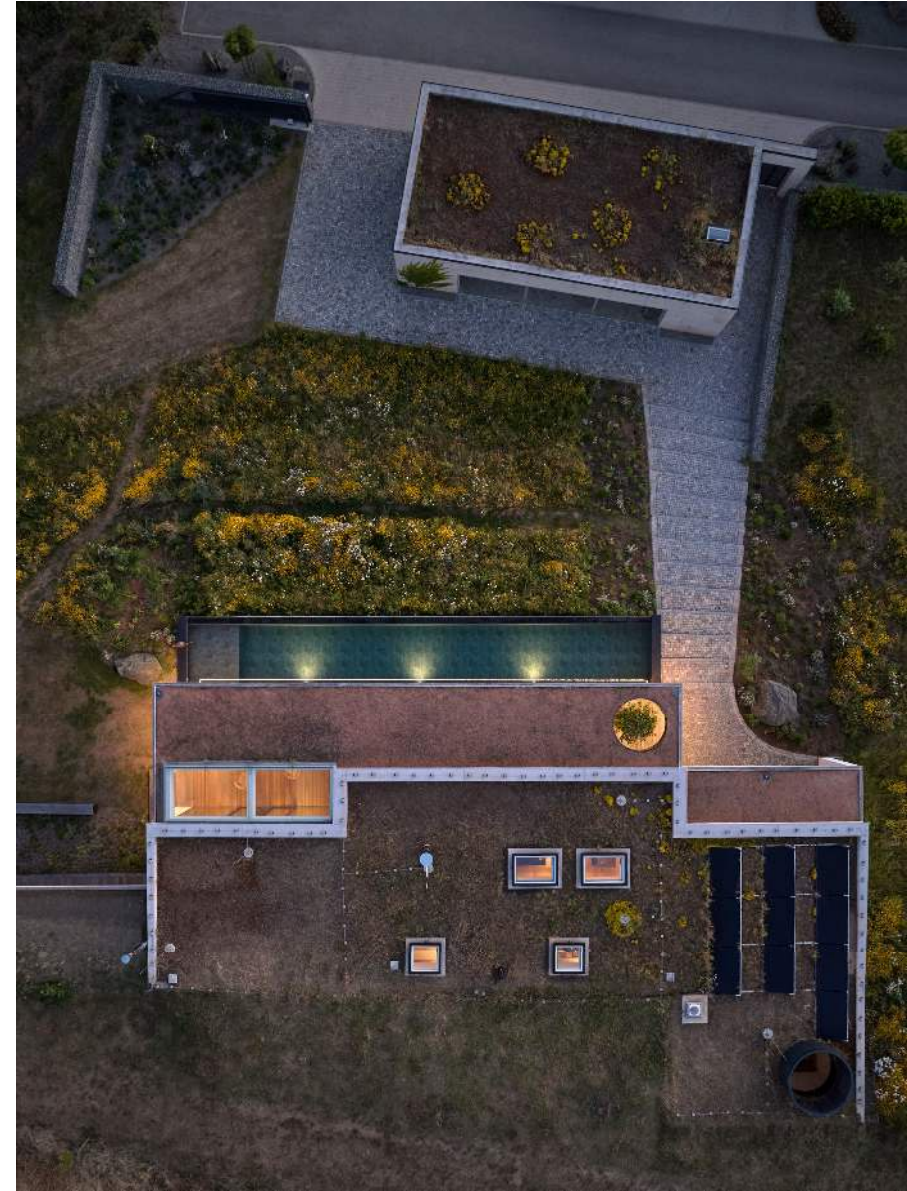
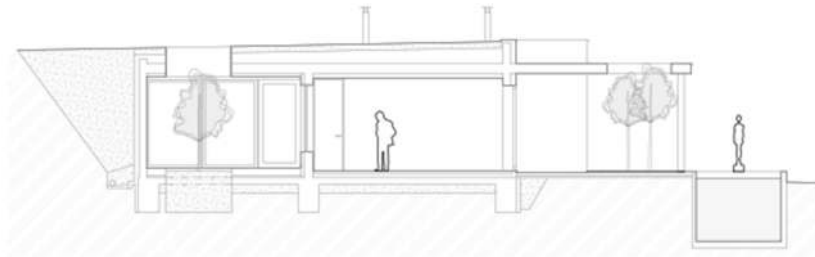
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“I came to look at the site two days in a row, once in the morning and once in the afternoon, to assess the sunlight and the views. It was immediately clear to me that I had to buy it.” says Architect Petr Skrušný



Designed for a family of four, the single-storey home is embedded into the hillside, with three sides built into the slope and a landscaped green roof blending it into the surroundings. A 30-metre glazed façade opens to the landscape, filling the interiors with daylight and framing panoramic south-west-facing views.

Partially embedded into the hillside, the house responds to both the sloping terrain and its wooded surroundings. This approach improves energy efficiency by using the ground's stable temperature, while concentrating investment on a single glazed façade. The remaining enclosure is formed by a highly insulated roof integrating daylighting and ventilation systems.



Thanks to its integration into the slope, the house benefits from excellent thermal mass and a calculated heat loss of just 3.5 kWh. Heating is provided by a fireplace and electric underfloor heating supported by photovoltaic panels, while summer cooling relies on cross-ventilation through remotely controlled rooflights. A nearly 4-metre roof overhang shades the terrace in summer and allows low winter sun to naturally warm and illuminate the interiors without compromising the views.





“The atmosphere in the house changes from morning to evening. In the morning, there is no direct sunlight, so the interior feels subdued and sleepy, although it is still well lit. This changes dramatically in the afternoon and evening, when the sun gets lower and the interior literally glows in warm orange and red tones reflected by the materials.” says Architect Petr Skrušný

Sunlight Sets the Rhythm of the Day

The house uses natural design principles to reduce technological complexity while maintaining a healthy indoor environment without mechanical ventilation. A strong connection to the landscape is reinforced by a water feature along the main terrace, which serves as a swimming pool in summer and reflects light and surrounding views into the interior year-round.



The fully glazed south-west façade is the main source of daylight, with structural glazing creating a seamless connection to the landscape. As the kitchen and living area extend 6 meters deep, large electrically operated rooflights above the dining and kitchen areas bring daylight deep into the plan while also providing natural ventilation.







Sun tunnels and smaller rooflights provide additional daylight to the utility rooms, bathrooms, WC and corridors. The bathroom is naturally lit and ventilated through an internal courtyard with a circular opening in the roof, through which a birch tree grows.





“We have learned to follow certain rituals connected with the movement of the sun across the sky. We start the day with a walk into our small garden, where we pick herbs for tea. Then we have breakfast overlooking the landscape and a 130-year-old ash tree. In the evening, we experience the sunlight very intensely as it sets.” Architect Petr Skrušný told us.



VELUX CVP Electric Flat Roof Window

- Electrically operated flat roof window for daylight and natural ventilation.
- Curved glass design ensures effective rainwater drainage, even on 0° roof pitches.
- Slim frame and concealed sash maximize daylight penetration and views.
- Compatible with interior blinds and climate-control solutions.

VELUX CFP Fixed Flat Roof Window

- Fixed flat roof window designed to deliver maximum natural daylight.
- Maintenance-free curved glass with a seamless glass-to-edge appearance.
- Suitable for roof pitches from 0° to 15°.
- Toughened outer glass offers durability and weather resistance.

VELUX ISD 1093 Curved Glass

- Premium curved glass top unit featuring VELUX CurveTech® technology.
- Enhances architectural aesthetics with a sleek glass-to-edge design.
- Enables natural drainage of rainwater and debris, even on flat roofs.
- Toughened, scratch-resistant outer glass improves durability and acoustic comfort.

VELUX TCR Rigid Sun Tunnel

- Brings natural daylight into internal spaces where conventional windows or rooflights are not feasible.
- Highly reflective rigid tunnel delivers efficient daylight transmission over longer distances.
- Ideal for corridors, bathrooms, utility rooms, and walk-in wardrobes.
- Compact roof footprint while significantly improving daylight levels.



Project Details

Project: Na Výsluní

Location: Letovice, Czech Republic

Architect studio: Ateliér Skrušný

Architect name: Petr Skrušný

Year: 2026

Photographs: Boys Play Nice

Videos: Boys Play Nice

VELUX Products used:

2pcs CVP electric FRW

2pcs CFP fixed FRW

4pcs ISD 1093 curved glass unit

1pcs TCR rigid sun tunnel



