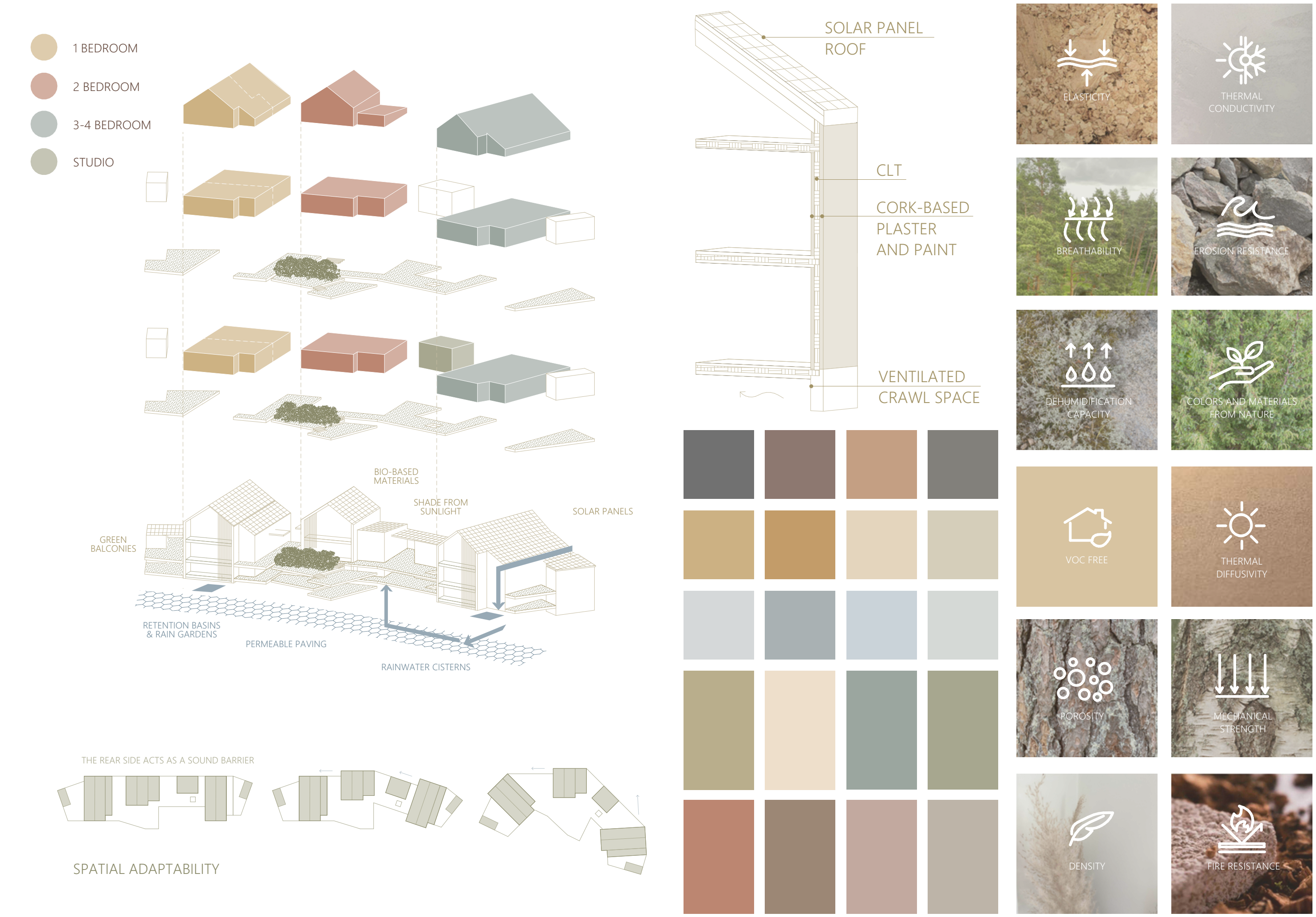




RESIDENTIAL AREA

Located on the eastern side of the area, the new residential zone connects with the existing neighborhood of traditional "rintamamiestalo" homes, respectfully reflecting their historic identity through a contemporary and innovative lens.

The housing concept is built around three-story townhouses whose scale and form echo traditional housing types, with materials and colors drawn from nature and history. These modern townhouses blend smoothly into the small-scale existing fabric while enhancing residential density and responding to contemporary needs.

Courtyards reflect traditional Finnish "pihapiiri" yard design and are formed by units of varying apartment sizes. These are connected by shared green roof terraces and saunas, adaptable in layout to meet different needs. The courtyards are designed to offer both communal and private outdoor spaces, while green roofs help structure activity zones, provide habitats for plants and insects, reduce the urban heat island effect, and improve air quality.

The courtyards are linked by shared space streets, prioritizing pedestrians and micromobility within the neighborhood and fostering interaction among residents.

Stormwater is collected under permeable street paving and reused in irrigation systems for green roofs. Water is then directed to retention basins and rain gardens, boosting the area's ecological resilience and sustainability.

Solar panels replace conventional roofing, designed in tones and forms similar to traditional sheet metal roofs to blend in while meeting modern energy demands.

Building structures and surfaces are made entirely from eco-friendly, bio-based, and natural materials, with CLT (cross-laminated timber) frames, cork, clay, and natural wax-based insulation and finishes. These materials are suited for Finland's demanding coastal climate, offering healthy indoor air and natural living environments. Due to clay soil native to the area, the houses have ventilated ground floors and elevated living levels.

