

VILLA SAN VITO - MODENA

THE VALUE OF ENERGY EFFICIENCY BY CHOOSING WOOD

Modern and compact, the wooden house located in San Vito, near Modena, is a sustainable single-family house that is spread over two levels for a total of 140 square meters, made entirely of Xlam: the construction system that guarantees high energy performance and high thermal insulation. The factors that contribute to creating the ideal "microclimate" are determined above all by the so-called hygrometric flywheel: the wood absorbs excess moisture and gradually releases it into the air when it becomes too dry. In other words, wood naturally controls the perfect degree of humidification of the environment in which one is staying.

PRODUCT SPECIFICATION

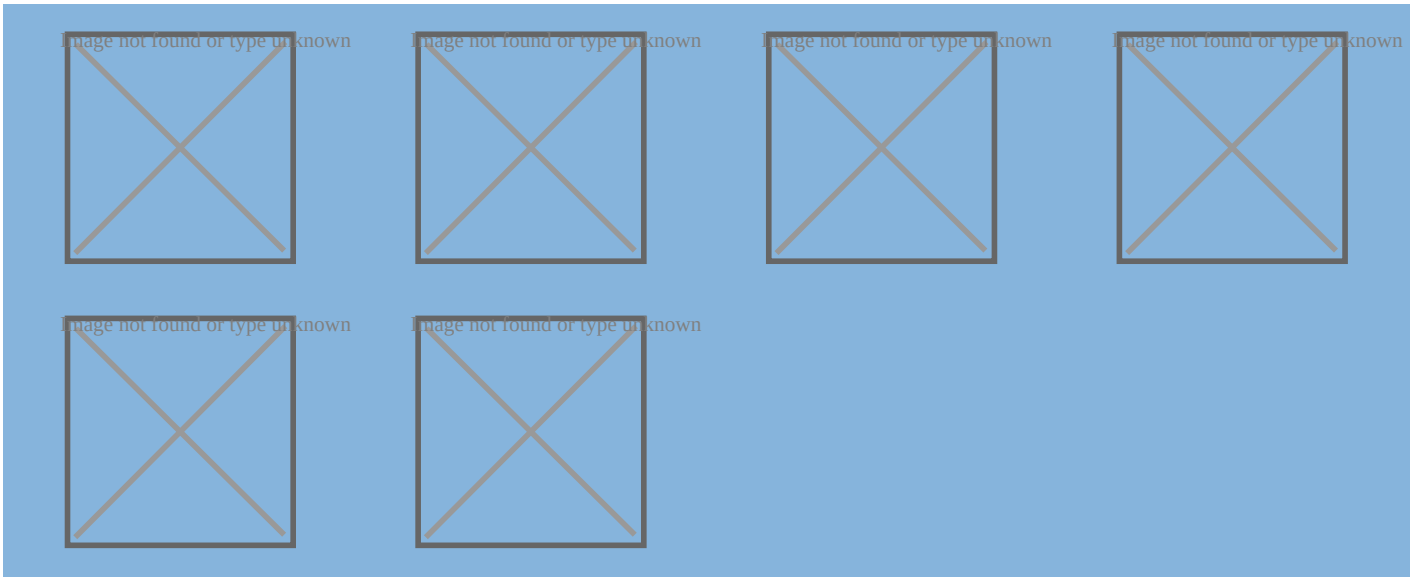
Single-family Residence

Localization: San Vito, Spilamberto (MO)

Intended use: Detached or Duplex homes

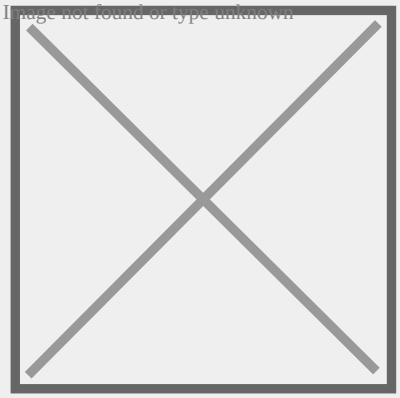
Architetural and structural design: Arch. Francesco Fantoni

Total area: 140ft



BUILDING SYSTEM

XLAM



Reasons for choosing the Xlam system

The Xlam system is a technical innovation in the construction of timber homes and buildings. The system's exceptional versatility allows the creation of a wide range of architectural constructions, including multi-storey **timber buildings**. The system assures **optimal thermal insulation** and a high level **of fire resistance**, a fast drying process and exceptional **acoustic insulation**.

About the Xlam system

The Xlam panel is composed of crossed layers bonded together, making the construction system extremely **versatile**. Composed of 99.4% timber and 0.6% adhesives, Xlam is considered to be a monolithic material **capable of supporting very high loads and withstanding external stresses and seismic activity**.

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