



VILLA FIAMMENGO - BIELLA

LIVING IN CLASS A

It is a sustainable and energy-efficient wooden house that rises in Biella for a total area of 200 square meters, a certified Class A house that lives on renewable energy: it is spread over two floors and is characterized by the Platform Frame construction system , which guarantees excellent insulation capacity and high anti-seismic performance.

PRODUCT SPECIFICATION

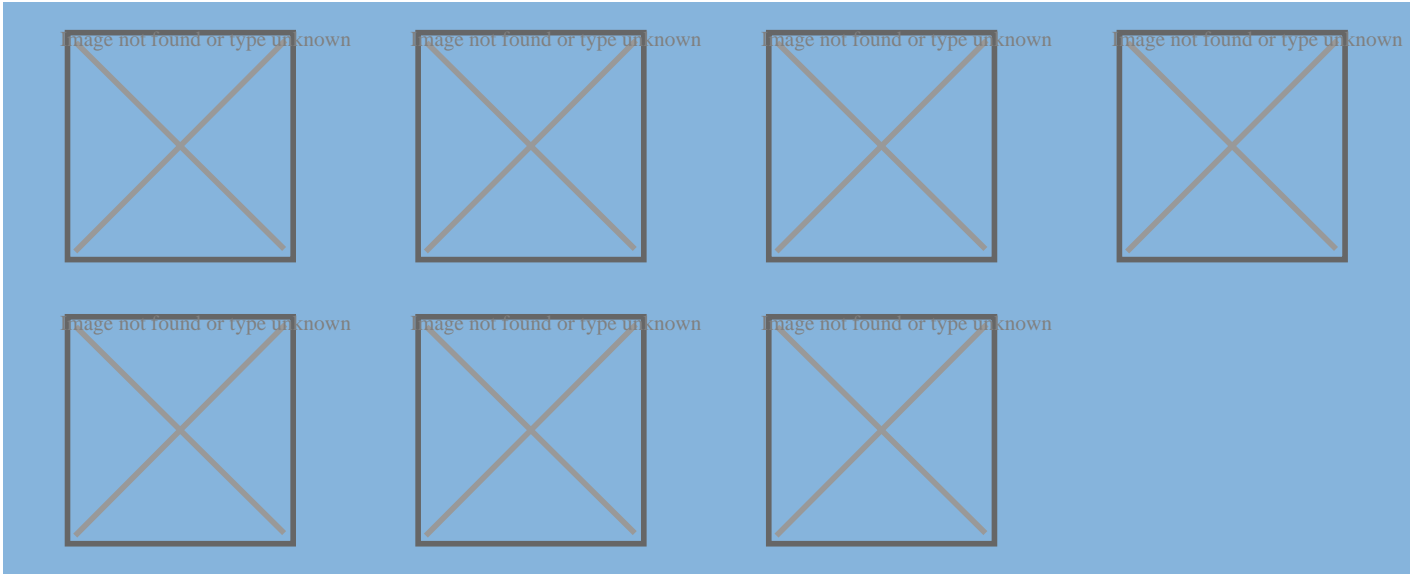
Single-family Residence

Localization: Biella

Intended use: Detached or Duplex homes

Architeturale and structural design: Studio Ambiente Vario

Total area: 200ft



BUILDING SYSTEM

Platform-Frame



Reasons for choosing the Platform-Frame system

The Platform-Frame system is ideal for building prefabricated multi-storey homes and other types of timber buildings. This system can be used to create single residential units and condominium buildings of up to four floors in elevation. That explains why this construction technique is especially suitable for **timber buildings for social housing needs:** structures for emergency accommodation needs and shared community spaces. The system also offers excellent **insulation and antiseismic properties:** it offers the highest structural coefficient of all timber construction types. It's also an **economical and easy to erect system.**

About the Platform-Frame system

In the Platform-Frame construction system each floor of a building functions as a platform to support the floors above. Although developed in Northern Europe, the Platform-Frame system is widely used in North America. **Each wall or floor is composed of evenly spaced laminated wood or KVH structural timber studs.** The building frame is covered on the exterior side by OSB structural cladding, fixed by means of ring-shank nails and metal angle brackets. The Platform-Frame system is generally built on a reinforced concrete plinth. The connection between timber building and foundations is assured by threaded steel bars or expansion anchors.



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