



# VILLA ZANE - FAENZA (RAVENNA)

## A PRESTIGIOUS BUILDING ON SEVERAL FLOORS

In Faenza, in the province of Ravenna, we have built a turnkey villa with the Platform-Frame system. This technique made it possible to build a multi-storey structure with high standards of energy saving and resistance to seismic stresses. The choice of a wooden house was also enhanced in an aesthetic key, through the creation of external balconies and barriers that filter the light and shelter from the elements.

### PRODUCT SPECIFICATION

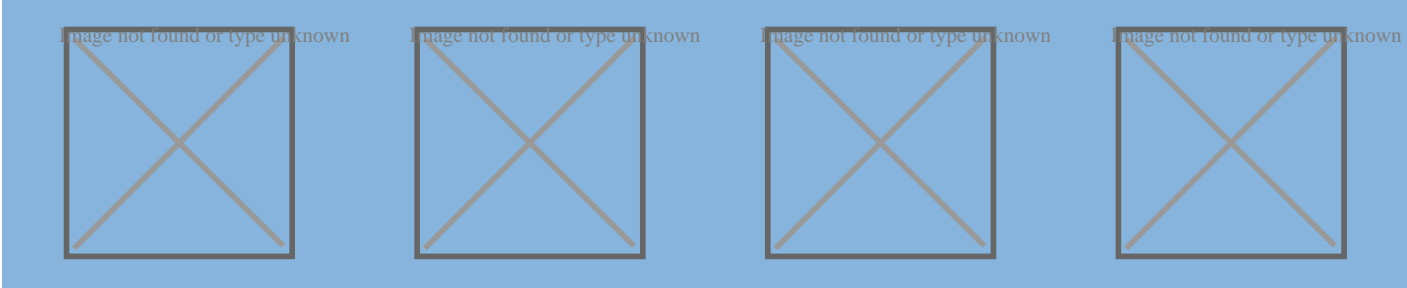
Multi-storey Apartment Building Timber apartment block

**Localization:** Faenza (RA)

**Intended use:** Detached or Duplex homes Residential buildings

**Architetur and structural design:**

**Total area:** ft



# 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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