

HOME STANDARDS – FRAME STAGE

- **FOUNDATIONS:** reinforced concrete slab

- **PERIPHERAL LOAD-BEARING WALLS**

SO.01, 03, 05, 07:

Second floor features Heluz ceramic masonry of 300 mm with thin-layer adhesive mortar + 200 mm peripheral wall thermal insulation (YTONG Multipor).

Third floor features Ytong Lambda YQ masonry load-bearing walls of 500 mm + thin-layer masonry mortar.

Walls of 300 mm are designed for the contact zone with the adjacent building. Stone wool thermal insulation of 30 mm is used between the buildings.

SO.02, 04, 06:

The peripheral load-bearing walls are made of Ytong Lambda YQ blocks with thin-layer masonry mortar and are 500 mm thick. Walls of 300 mm are designed for the contact zone with the adjacent building. Stone wool thermal insulation of 30 mm is used between the buildings.

- **LOAD-BERING WALLS AND PARTITIONS**

Load-bering walls made of YTONG Silka P18 blocks, 175 mm thick; partitions made of YTONG Silka S 18 blocks, 100 mm thick, and light-weight YTONG blocks, 150 mm, 125 mm and 100 mm thick.

The garage walls made of Ytong Univerzal blocks of 250 mm and Klasik blocks of 150 mm + thin-layer masonry.

- **FLOOR/CEILING STRUCTURES**

SO.01, 03, 05 a 07:

Second floor: The 275 mm ceiling structure is constructed of prestressed Spiroll ceiling slabs.

Third floor: The ceiling is a 275 mm thick prefabricated concrete system consisting of YTONG Klasik blocks. The structure features an YTONG inter-joint system and precast reinforced concrete beams.

SO.02, 04, 06:

The ceiling is a 275 mm thick prefabricated concrete system consisting of YTONG Klasik blocks. The structure features an YTONG inter-joint system and precast reinforced concrete beams.

• **ROOF**

The roof is a horizontal structure. It consists of Ytong Klasik roofing system of 200 mm with additional 100 mm layer to increase the static load capacity of reinforced concrete ribs + foil + 80 mm drainage.

The garage roof structure is formed by an Ytong Komfort roofing system of 200 mm, with exterior thermal insulation of EPS 100 sloped decking, 100–200 mm thick.

• **WATERPROOFING**

Vertical and horizontal asphalt strips.

• **SEWERAGE SYSTEM**

Interior: RAUPIANO LIGHT sewer pipe system

Exterior: PVC horizontal and vertical pipe system

Rainwater retention: 5 m³ retention tank

• **WATER SUPPLY**

Interior: PVC-PPr

Exterior: PVC, water meter located in the main water meter shaft in front of the house, secondary water meter shaft placed behind the garage.



- **STAIRCASE**

Monolithic reinforced concrete structure with wear layer made of solid wood.
Railing made of light-weight YTONG blocks with wooden handrail or tiling.