GROUP 7

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BUILDING DECOMPOSITION

- Wooden cladding
- External insulation
- Stainless steel mesh
- Facade
- Loggia - light framework and wooden cladding
- Railing
- Technical gallery
- Rainwater collector
- Building structure slabs + concrete shear walls
- Walkway
- Hot water storage tank
- Solar panels - electricity production
- Thermal solar panels - hot water production
MATERIALS

CONCRETE
- Slabs
- Shear walls
- Building columns

STEEL
- Railing
- Catwalk bracing
- Catwalks columns and beams

WOOD
- Balustrade of railing
- Larchwood for the loggia
- Facade cladding on the facades
STRUCTURAL FRAMEWORK

wall's system combine modular system (walls + columns)
The housing units stand above the structure of the gymnasium.

STRUCTURE - series of arcades spanning a distance of more than 20 meters.

ARCADES - steel plates form the framework for the upper-level load bearing walls.

COLUMN 700x1400;500x1000
modul 7500 mm/4500 mm

vertical circulation
MODULAR SYSTEM OF WALLS

load bearing WALL
modul 7500 mm/4500 mm

vertical circulation
hygienic core

R+1
SYSTEM OF WALLS on higher floors

- transversal wall
- longitudinal wall
CATWALKS AND STAIRWAYS IMPLEMENTATION

Outdoor walkway structure
Catwalk section

Composite steel (trapezoidal sheet) with concrete floor
LOGGIAS IMPLEMENTATION

- Light frame
- Wooden Cladding
- Railing
- Concrete wall

Rainwater channels