ZIBRANO

ENERGY EFFICIENT ARCHITECTURE

CATALOGUE OF PANEL-FRAME HOUSES

TECHNICAL SOLUTIONS

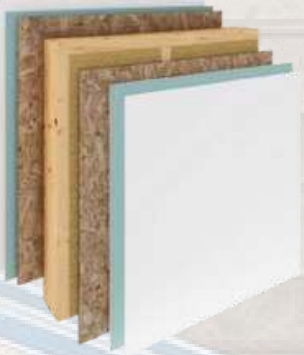
1. Construction of the external load-bearing wall

- Folding decking
- Crate 25x100mm
- Counter-lattice 30x50mm
- Superdiffusion membrane
- Frame 145x45mm (insulation 150)
- Vapour barrier membrane
- Rail 45x45mm (insulation 50)
- OSB board 12mm
- Gypsumboard 12.5mm

2. Construction of the external load-bearing wall

- Decorative plaster
- Basalt insulation 50mm
- OSB board 12mm
- Frame 145x45mm (insulation 150)
- Vaporproof membrane
- Rail 45x45mm (insulation 50)
- OSB board 12mm
- Gypsumboard 12.5mm

3. The construction of the partition



- Gypsumboard 12.5mm
- OSB board 12mm
- Frame 95x45mm (insulation 100)
- OSB board 12mm
- Gypsumboard 12.5mm

3. The construction of the partition

- Chipboard 16mm
- Frame 95x45mm (insulation 100)
- Chipboard 16mm

5. Roof construction

- Folded flooring
- Crate 25x100mm
- Counter-lattice 30x50mm
- Superdiffusion membrane
- Frame 195x45mm (insulation 200)
- Rail 95x45mm (insulation 100)
- Vapour barrier membrane
- Rail 45x45mm
- False-timber

6. Floor construction

- OSB board
- Laminate 22mm
- Vaporproof membrane
- Frame 195x45mm (insulation 200)
- Superdiffusion membrane
- Crate 30x50mm
- Galvanized rodent net

7. Roof construction

- PVC membrane
- Geotextile
- Extruded polystyrene foam (XPS)
- Frame 245x45mm (insulation 250)
- Vaporproof membrane
- Crate 30x50mm
- Stretch ceiling

8. Floor construction

- Floor covering
- Frame 195x45mm (insulation 200)
- Vapour barrier membrane
- Crate 30x50mm
- Gypsumboard 12.5mm
- Painting

PROJECT_50

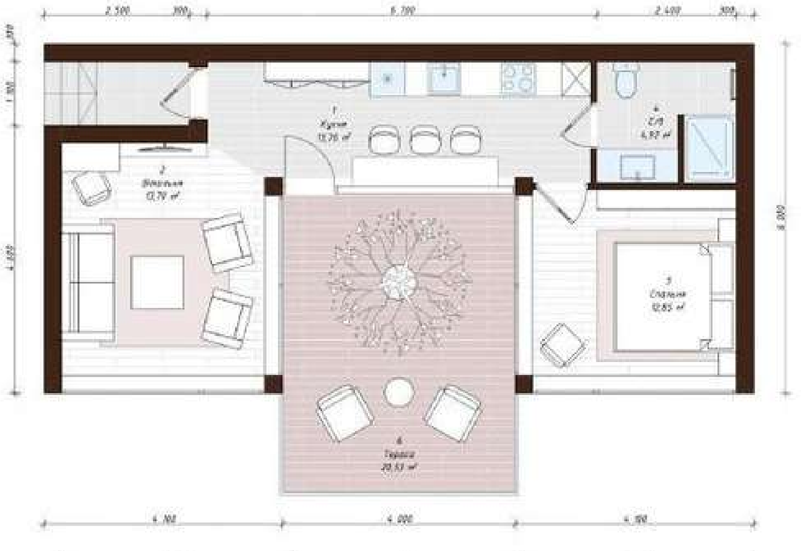
A project of a modular house of 50 sq.m. for a full and comfortable stay of two people. The house has a spacious living room with panoramic windows and a separate exit to the terrace. The compact kitchen will accommodate all the necessary equipment for preparing delicious breakfasts and more. The house also has a separate bedroom. The bathroom has enough space to accommodate all the necessary plumbing. This house is an excellent option for accommodation at a recreation center.

50 sq.m.

PROJECT_65

A project of a residential building using panel-frame technology on 65 sq.m (including the terrace) for 1-2 people. The house has a separate bedroom, a comfortable living room for cozy evenings and a kitchen where you can place everything you need to prepare delicious meals. Large panoramic windows are the highlight of this house, because they create a feeling of space and allow you to admire the views at any time. An open terrace of 20 square meters will become a favorite place for spending warm evenings.

65 sq.m.



PROJECT_68

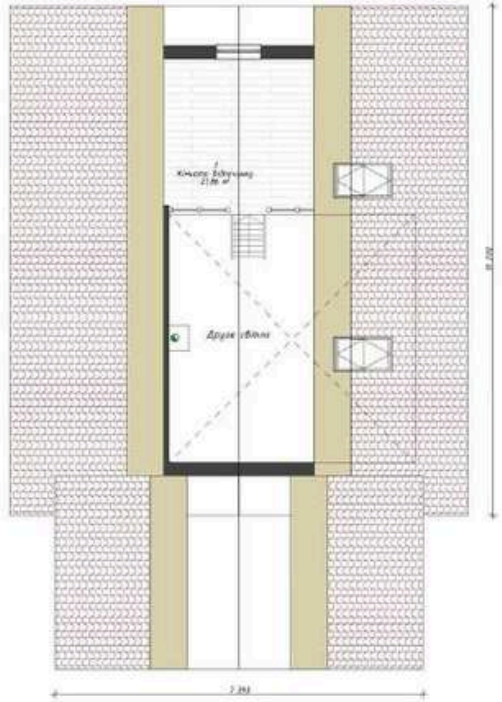
A project of a residential building using panel-frame technology with an area of 68 sq.m. Designed according to the "growth" concept. The advantage of this house is the possibility of phased construction. The area of the first block is 35 sq.m. with a terrace. The area of the second block is 33 sq.m. The house has three full bedrooms, a kitchen-living room, a bathroom and a covered terrace.


68 sq.m.

PROJECT_81

A project of a residential house using panel-frame technology of 81 sq.m for 4-6 people. The entrance to the house is provided through a covered terrace of 18 sq.m. The living room and kitchen are combined into a common space, which makes the room bright and spacious. While cooking, you can watch the children playing in the living room, watch TV or participate in a conversation. The house has two separate living rooms, one of which can be a children's room. The bathroom has enough space to install all the necessary plumbing. The house has the opportunity to equip an additional living or play room on the second floor.

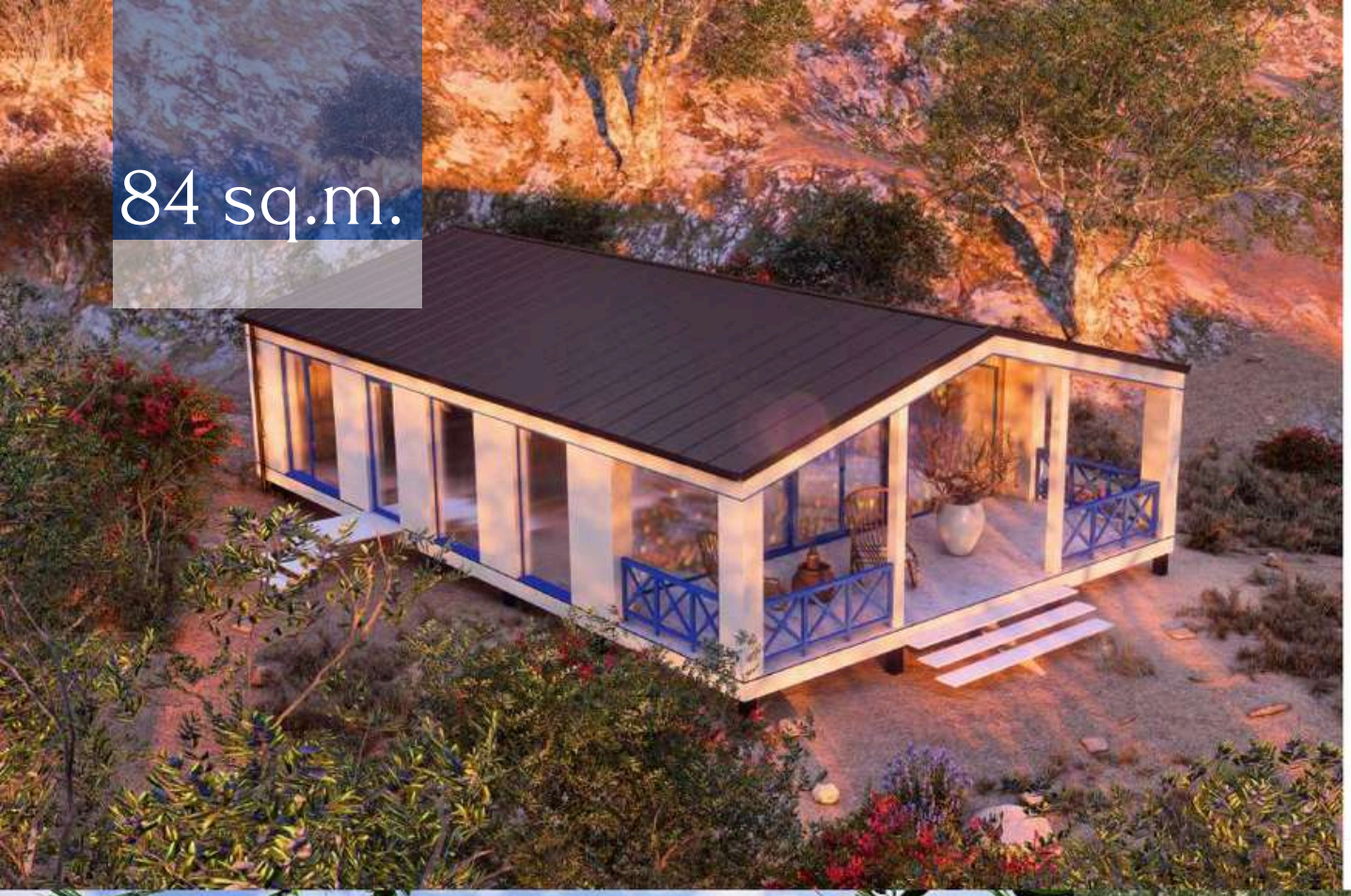
81 sq.m.

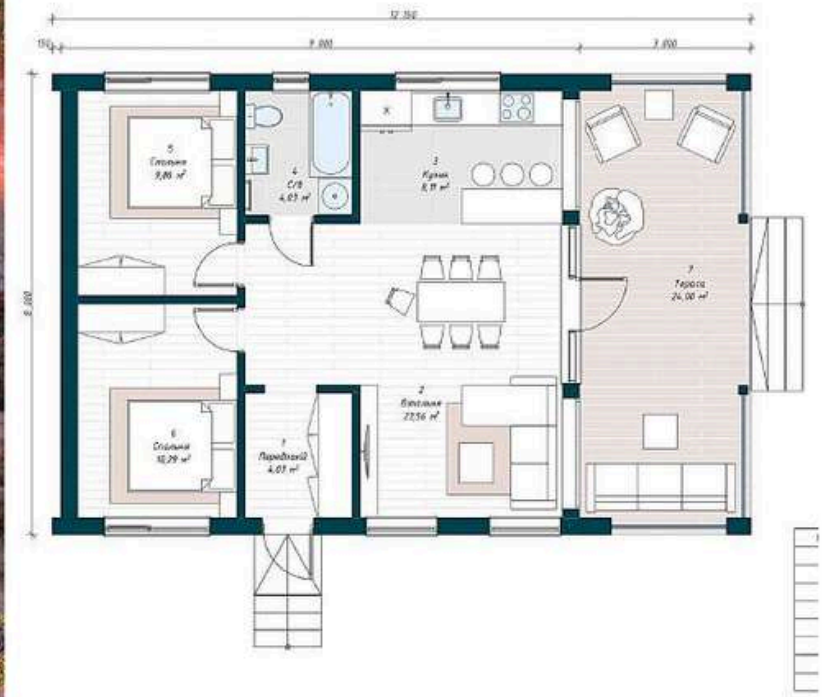


PROJECT_84

A project of a modular house of 84 sq.m. (with a terrace) for 4-6 people. The spacious kitchen is combined with the living room through the dining area. Panoramic windows overlooking the covered terrace add more space to the room. The house has two separate bedrooms. There is enough space in the bathroom for installing all the necessary plumbing. The covered terrace will definitely become a cozy place for tea even in rainy weather. Therefore, this house is suitable not only for permanent residence, but also is an alternative option for accommodation at a recreation center.

84 sq.m.




12 350
1 000
3 000
5 000
5
Спальня
9,86 м²
4
С/У
4,03 м²
3
Кухня
8,11 м²
7
Терраса
24,00 м²
2
Гостиная
22,56 м²
6
Спальня
10,29 м²
1
Прихожая
4,03 м²

PROJECT_142

The project of a residential building using panel-frame technology is 142 sq.m. Designed according to the "growth" concept. The advantage of this house is the possibility of phased construction. The area of the second block is 51 sq.m. The house has three bedrooms with their own dressing rooms, a spacious kitchen-living room, two bathrooms and a terrace. There are also rooms for household needs. The house is comfortable for 4-6 people.

142 sq.m.

PROJECT_146

The project of a two-story house with an area of 146 sq.m., built using panel-frame technology, is designed for two families. The two houses are interconnected, but each has a separate entrance, ensuring privacy for each family. Each house is equipped with its own garage, a spacious kitchen-living room, which is ideal for family recreation. On the second floor there are four bedrooms and two bathrooms, which provides comfort for all family members. There is also a large terrace, which will be a great place to relax in the fresh air.

146 sq.m.

PROJECT_149

The project of a residential house using panel-frame technology 149 sq.m. Suitable for 4-6 people. The house has a kitchen and living room combined with a dining area. The kitchen has a fairly large pantry and access to the terrace. The master bedroom has its own wardrobe. There is also another bedroom and two bathrooms. Large panoramic windows make the house bright, and high ceilings will add an additional sense of space.


149 sq.m.

PROJECT_160

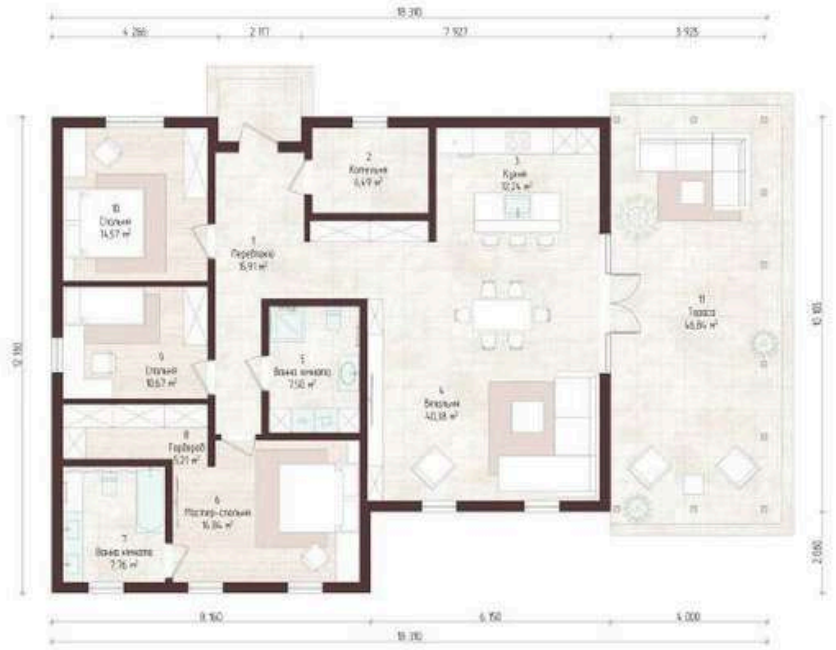
Project of a residential house using panel-frame technology 160 sq.m. Two-story (second floor - attic). Suitable for 6-8 people. On the first floor there is a hallway, a spacious kitchen with a dining area, a living room with access to the terrace and a guest room (bedroom). There is also a bathroom and a dressing room. The second floor of the house is a private area for the owners of the house with a master bedroom with its own bathroom. There are also two more bedrooms and a bathroom. All rooms are connected by a corridor.

160 sq.m.

PROJECT_184

A project of a residential house using panel-frame technology with an area of 184 sq.m. The house has 3 bedrooms, one of which is a master bedroom with its own bathroom and dressing room. There is also a guest bathroom and a dressing room area. A large kitchen-living room. The advantage of such a design solution is the visual expansion of the living space. High ceilings will give the interior even more volume. From the dining area there is access to a large covered terrace, which can accommodate a large company for spending time together. Such a house will be comfortable for permanent residence of 4-5 people.

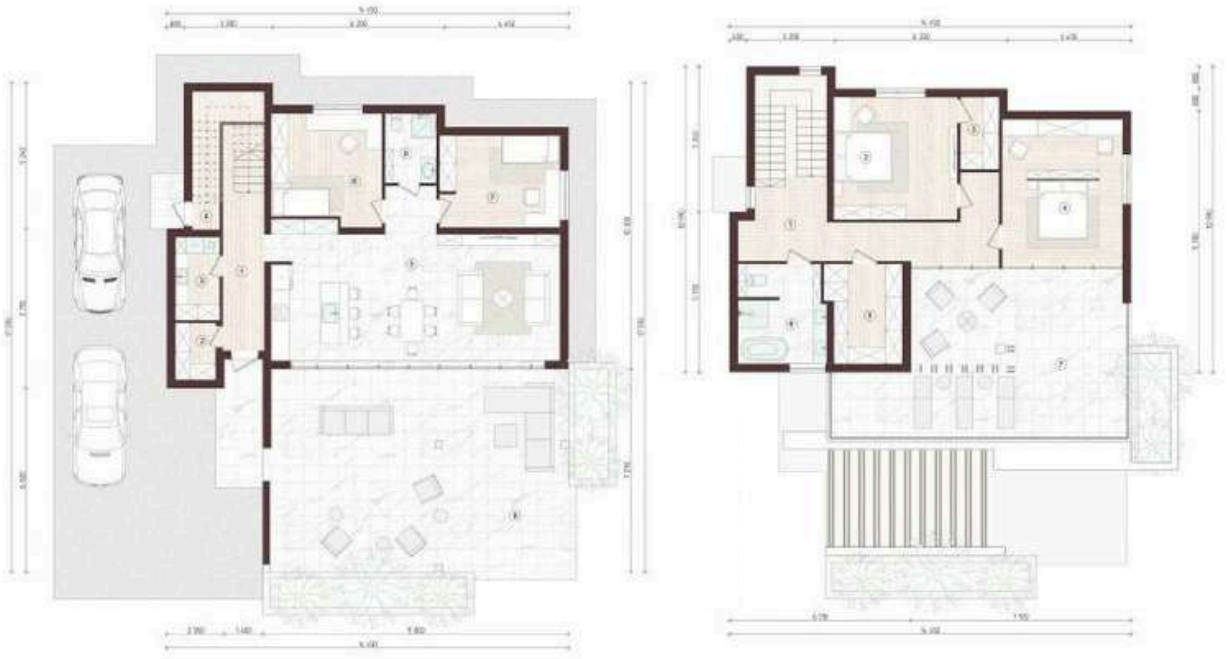

184 sq.m.



PROJECT_340

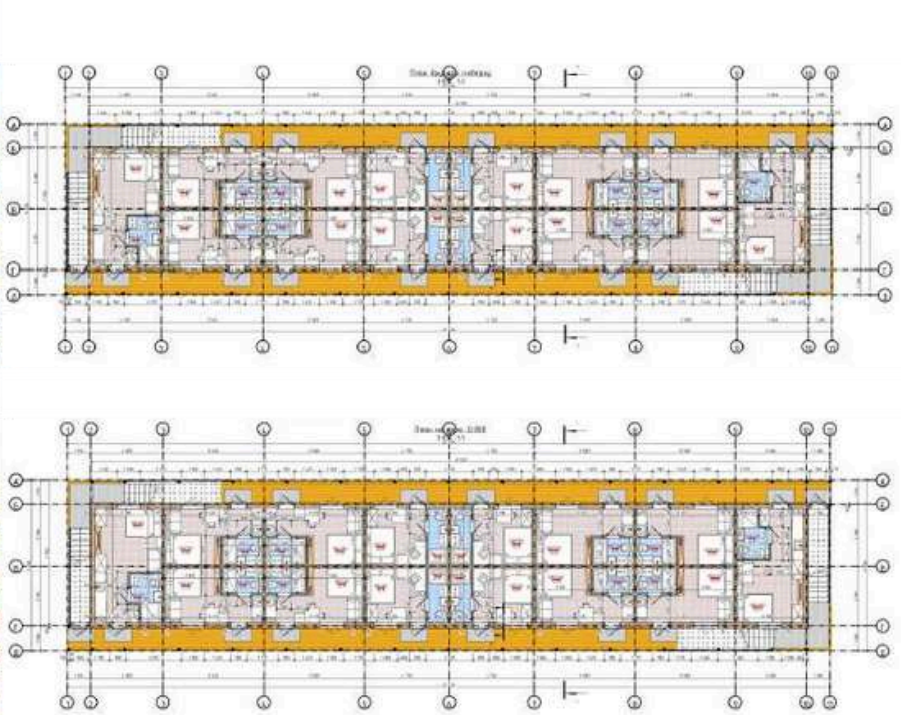
Project of a two-story residential building using panel-frame technology 340 sq.m. On the first floor at the entrance there is a dressing room and a technical room. Two bedrooms with a separate bathroom. A large kitchen-living room has large panoramic windows and access to a terrace, which is partially covered. On the second floor there are two more bedrooms with their own dressing rooms. There is also a shared dressing room and bathroom. If you want to enjoy the fresh morning air, this is possible due to another large terrace on the second floor. The house is comfortable for permanent residence of 5-7 people.


340 sq.m.



PROJECT_454

The project of an apartment building using panel-frame technology with an area of 454 sq.m. The building houses 28 smart apartments, which are designed with maximum rationalization of space, which allows you to create comfortable living conditions with minimal space. Each apartment is equipped with thoughtful storage solutions, a modern heating and ventilation system. The project of this building can also be adapted for use as a motel. Its structure is designed according to the model of classic highway motels. Spacious corridors and easy access to each apartment make the building an ideal solution for temporary accommodation for travelers.



PROJECT_517

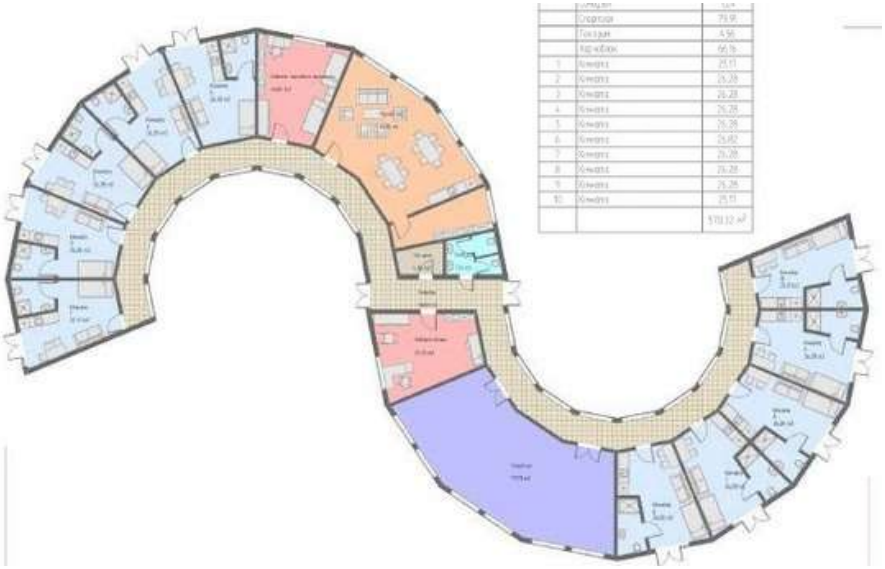
The project of a dormitory for athletes using panel-frame technology with an area of 517 sq.m. 12 bedrooms for athletes and separate living quarters for the coaching staff make it possible to accommodate 53 people. The dormitory provides all the necessary premises and conditions for the residence and holding of athletes' meetings.


517 sq.m.

PROJECT_570

Project of a rehabilitation and residential complex for the military using panel-frame technology with an area of 570 sq.m. The complex has everything for comfortable living and rehabilitation procedures. Each room has its own bathroom, dining area and kitchen. Short and bright corridors will ensure free movement. The complex has everything you need for leisure - a gym, a dining room with a TV area and a relaxation area. Organized courtyards will allow residents to spend more time outdoors and enjoy the beauty of landscape solutions. The complex is designed for 10 people.


570 sq.m.



PROJECT_483

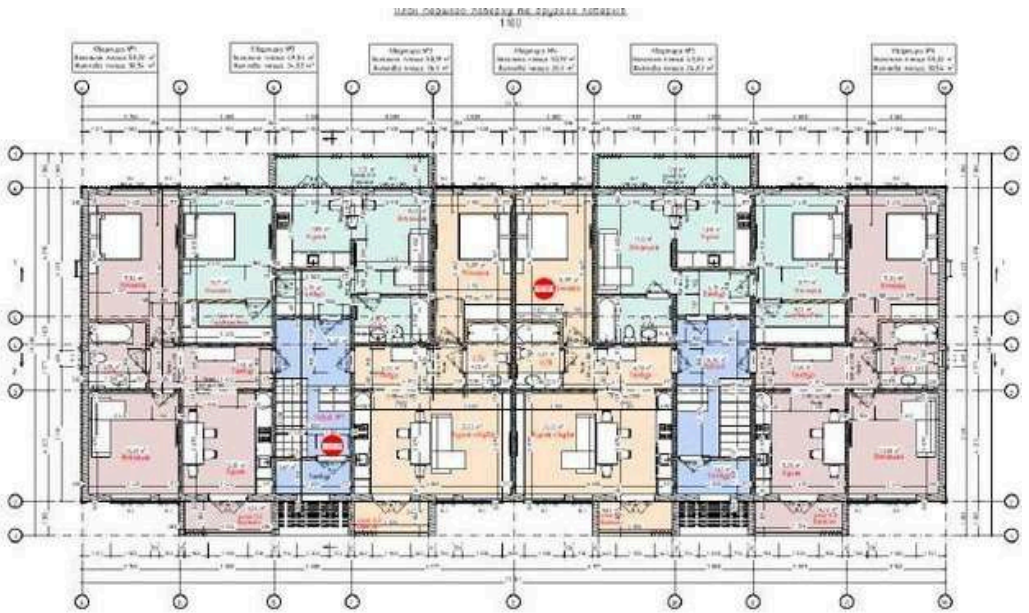
The project of a low-rise multi-apartment residential building using panel-frame technology with an area of 483 sq.m. 8 apartments with a modern and convenient layout. The advantage is that such houses can be blocked among themselves. Therefore, this option is perfect for construction in conditions of dense residential development of a small city.


483 sq.m.

PROJECT_633

Project of a low-rise multi-apartment residential building using panel-frame technology with an area of 633 sq.m. 12 apartments with a modern and convenient layout. Comfortable and energy-efficient. This type of house is well suited for closed towns.

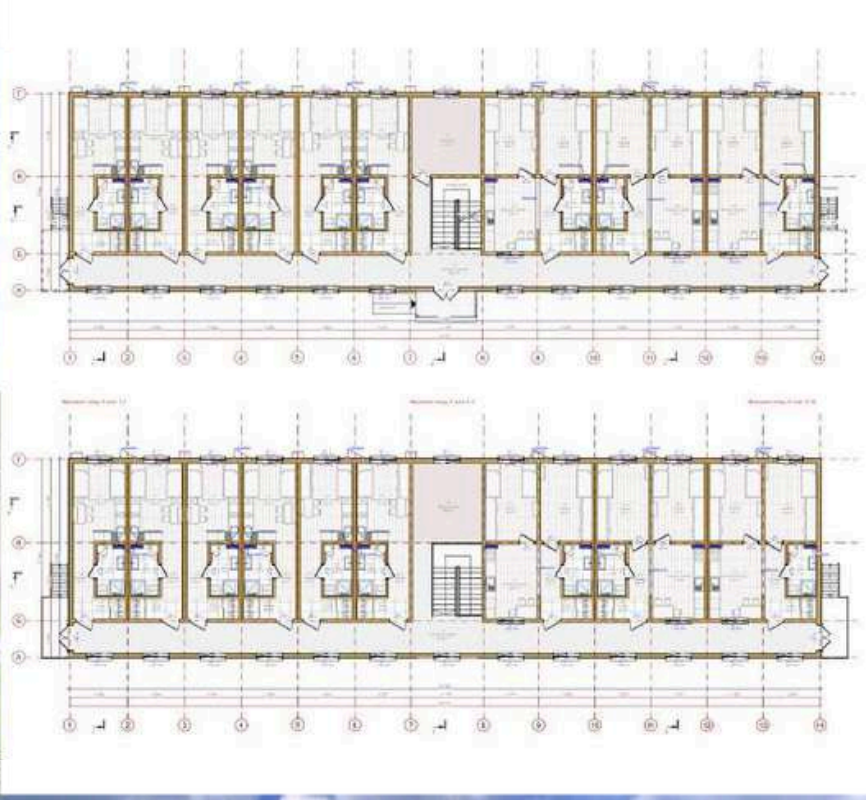

633 sq.m.



PROJECT_835

A dormitory project using panel-frame technology with an area of 835 sq.m. The project is designed for 40 people and includes rooms for 1-2 people, which provides a variety of accommodation options. Each 1-2 room has a shared bathroom and kitchen, which increases the comfort of living. This solution creates comfortable conditions for living and communication, maintaining a balance between privacy and shared life. An additional recreation area provides an opportunity for socialization. The project focuses on comfort and functionality.


835 sq.m.



General plan for development of 7789 sq.m. in the city of Perechyn.

The project involves the creation of a modern residential complex with 126 apartments, designed for 315 residents. The completion of the facility is planned for December 2024. The complex will provide comfortable living thanks to the thoughtful layout of the apartments and convenient common areas for recreation. Parking spaces and green areas for active recreation of residents are also provided. The project focuses on energy efficiency and environmental friendliness, which makes it an attractive choice for young families and people who value comfort and quality of life.


7789 sq.m.


Lun 1
Lun 2
Lun 2.1
Lun 2.2
Lun 2.3
Lun 2.4
Lun 2.5
Lun 2.6
Lun 2.7
Lun 2.8
Lun 2.9
Lun 3
Lun 4