

Perm college of construction

# **Subject: single-storey with a mansard house**

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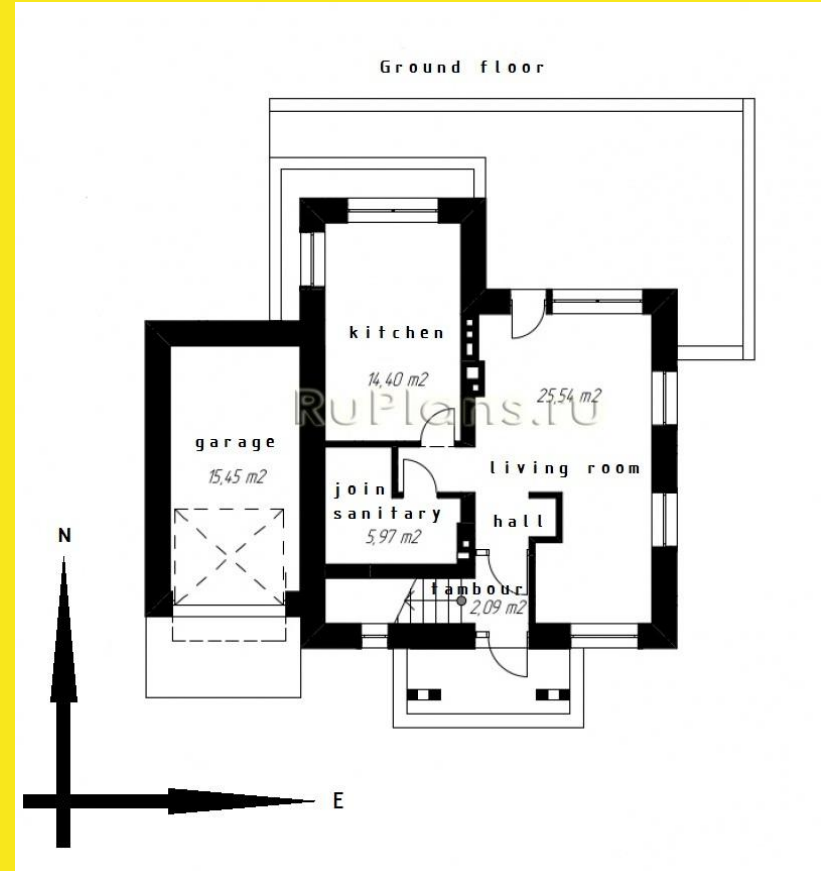
SC - 13.2

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# Location

The building site is polygon in shape. The front of the building faces south. It's a south-facing wall. The back faces north. The long axis of the building is orientated west-east to minimise the area of wall exposed to the sun. The site has parallel access from the road to the south.

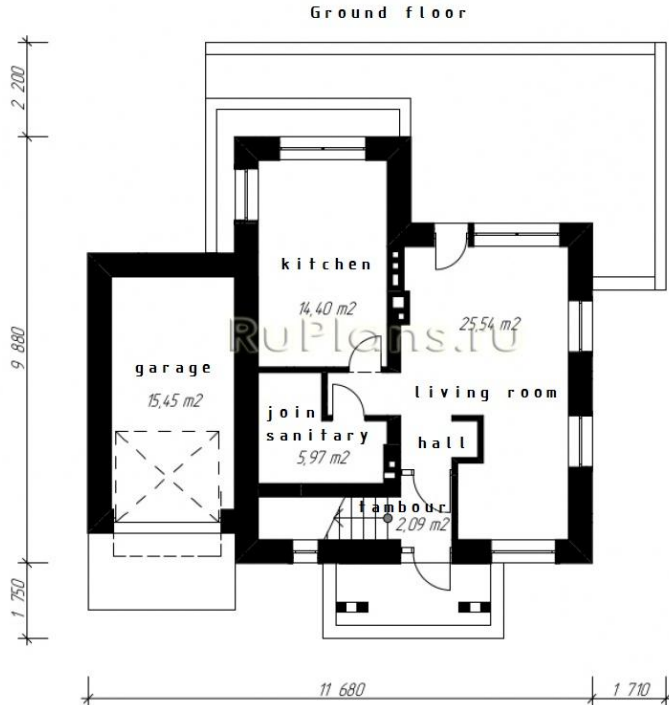


# The description of facade

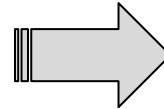
Viewed from the front there are windows on either side of door. In back of house is situated terrace. There is flue on the left of door and of the right down pipe. Under window second floor there is the garage. The roof is multi-shape.



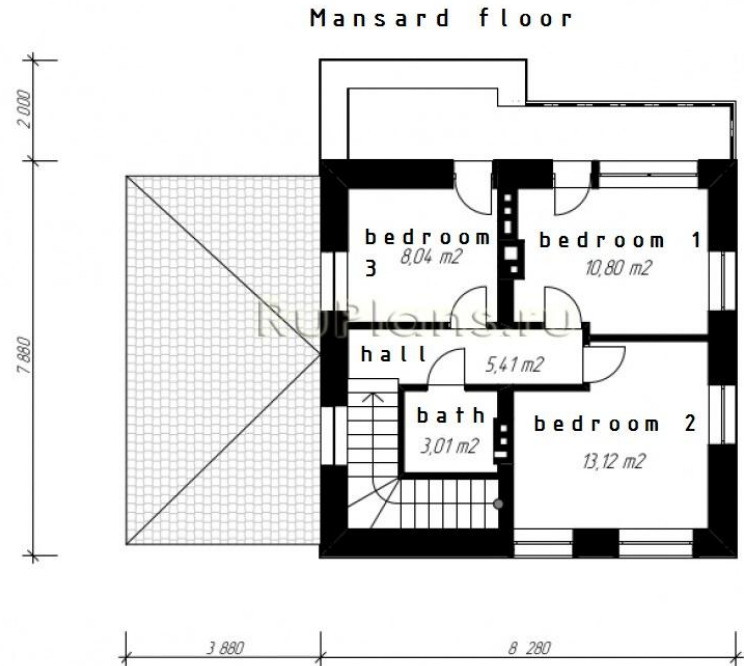
# The floor plan



The house is a single-storey building with a mansard. The ground floor contains 6 rooms and terrace. There is a kitchen with a dining area, a join sanitary room, a garage, a hall, a tombour and a living room.



The mansard floor contains 5 rooms. A hall is located in the center of the floor. Access bathroom is from the hall. There are 3 bedrooms at floor, bedrooms 1 and 2 are located at the right of hall. Bedroom 3 is above the hall.



# Demenicons

The length of the ground floor is 11,68 m

The width of the ground floor is 9,88 m

The height of the ground floor is 3 m, but height of the mansard is 2,5 m

The height from floor to ceiling is 2,7 m

The total area is 103,83 m<sup>2</sup> and the dwelling area is 90,36 m<sup>2</sup> terrace area is 27,3 m<sup>2</sup>

The height of the building is 5,7



# Accomplishment

There are flowerbeds around house. There are some trees the right of the house. In front of the house there is car parking. In back front there are 2 benches and kitchen garden. If you want you can set play ground next to benches.

In order to please the eyes the entire yard is covered with lawn.





# Building materials

For building of this house are used different construction machines. Bulldozer is used for digging, but we use tower crane for work in height. few trucks are ordered for delivery of materials. Manual machiness were used for the construction. They are a concrete mixer and some others.



Now days we have a wide raige of better constraction materials. Exterior walls are made of decoration face stone. Roofe is cover metal tile. Summer house, terrais and benches near house are made of wood with special tritment. Partitiors are made of gypsum plasterboard in rooms and bricks in a toilet and a bathroom.

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