

# THE MAIN STRUCTURAL ELEMENTS OF THE UPPER PART OF THE BUILDING

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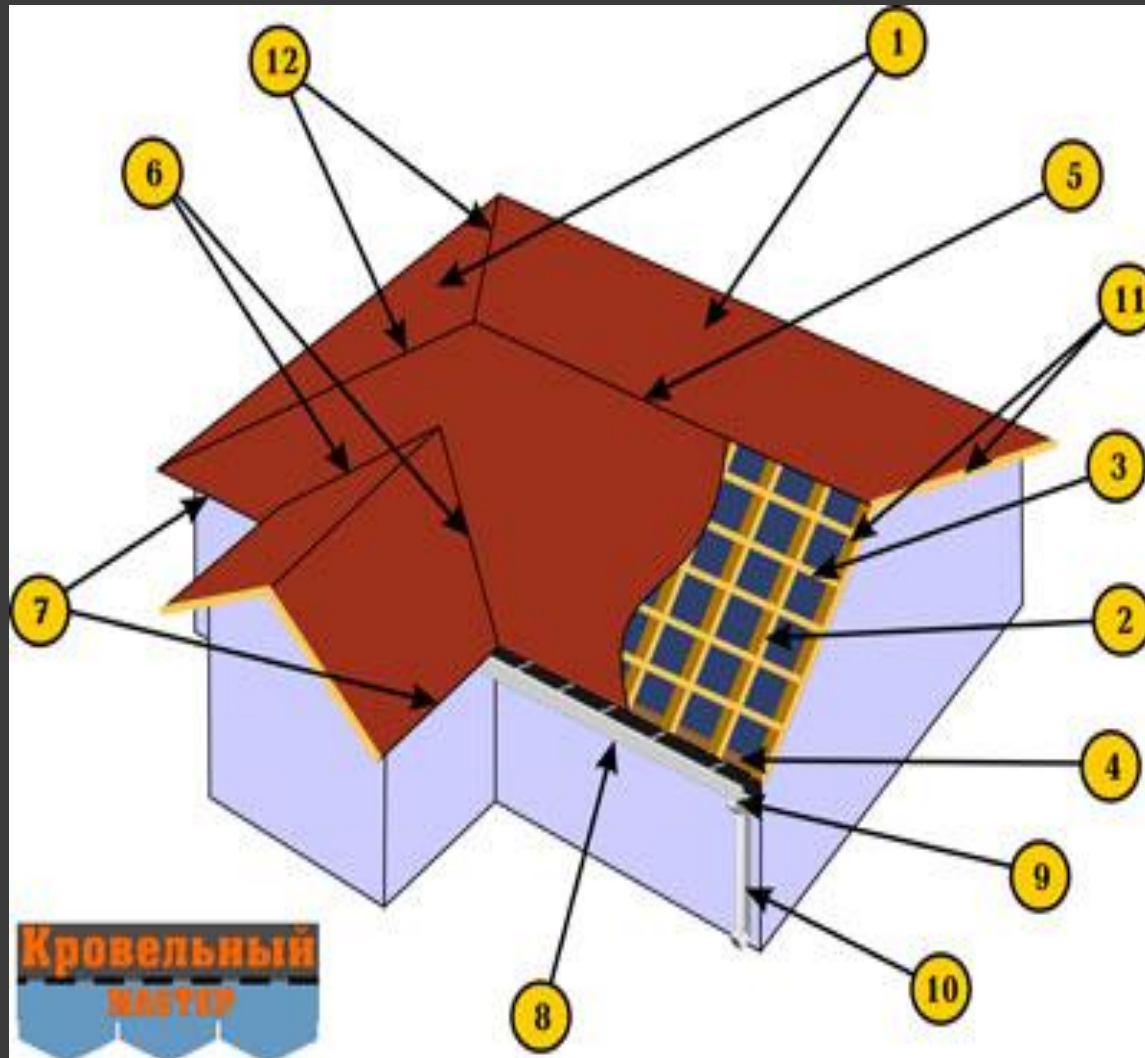
# Plan

- ⦿ Roof requirements
- ⦿ Elements of the truss roof
- ⦿ Composite roof elements

# Roof requirements

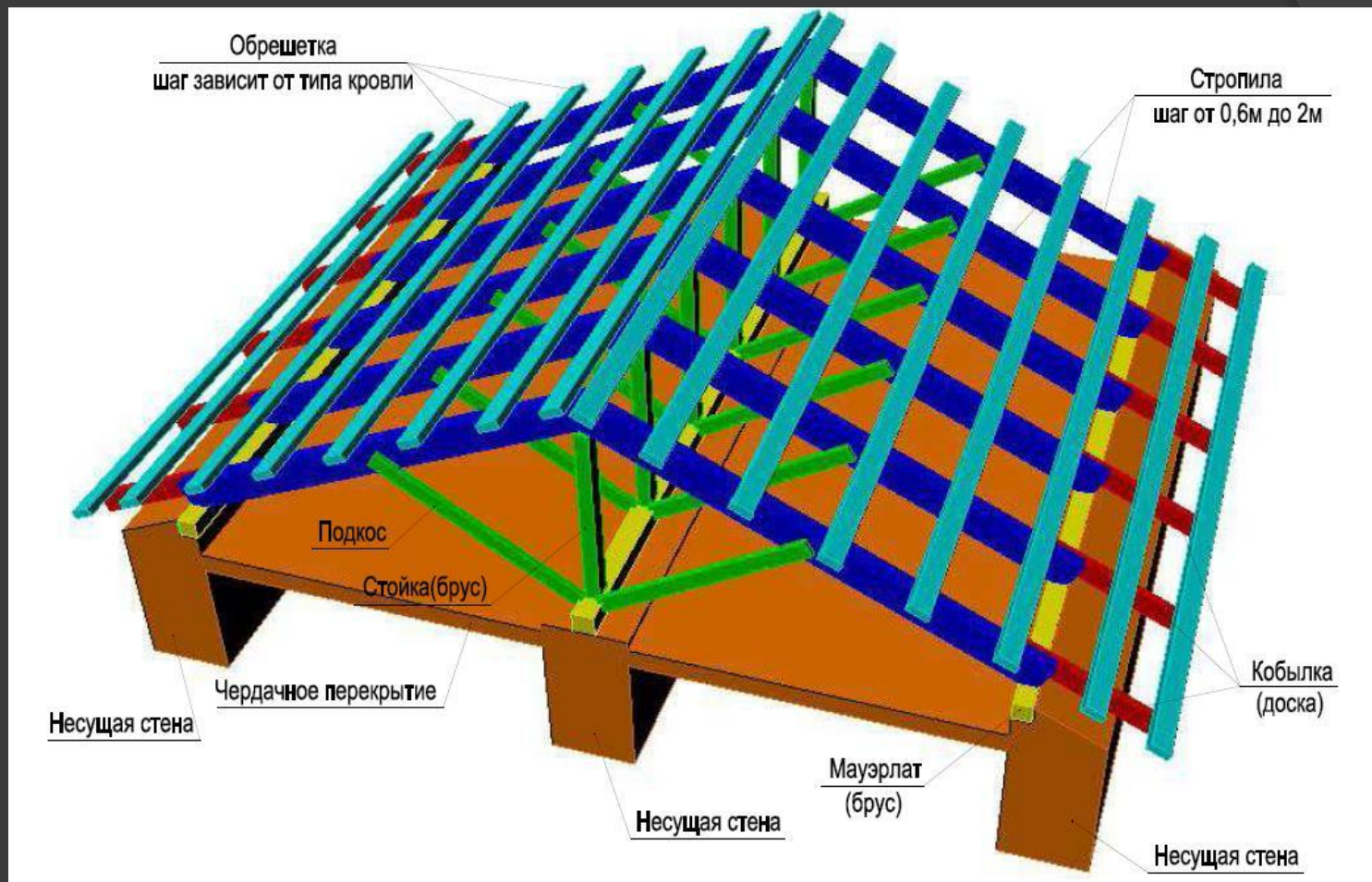
- ⦿ strength and stability
- ⦿ durability
- ⦿ fire resistance
- ⦿ industriality
- ⦿ economy

# Elements of the truss roof



# The roof consists of the main elements:

- ① a load-bearing structure consisting of wooden beams, rafters or prefabricated trusses, consisting of upper and lower belts and a grid of bevels and struts enclosed between them;
- ② a base for the roof-flooring or crates;
- ③ a hydro-and heat-insulating layer;
- ④ the roof itself.



The beam roof structure is used when the span length is less than 4.5 m, and the trusses are 5-10 m or more.

