

Floor area of a small gazebo: 19,5 m²

Building volume: 62,8 m³

Description:

3. Structure

3.1 Foundations

Monolithic concrete pad foundations. When it comes to the grounds where frost heave may occur, it is recommended to place some ballast between under the pads. Removing of humus layer from the ground and levelling must be performed before installing the pad foundations. Metal anchors must be mounted under the construction pillars during the process of concrete placement.

3.2 Structure of the gazebo

Traditional post and beam structure. All main elements, such as, posts, beams and struts are made from (16x16cm) spruce square beams. Brackets are made from (12x12cm) square beams. All elements are connected by woodworking joints, such as, mortises and tenons, notch joints and oak dowels. Bear in mind that there must be a gap between the wood and pad foundations. Seats - benches are planned to be mounted along the inner contours of the walls in the gazebo.

3.3 Roof structure

Timber roof truss, rafter-purlin gable roof. Purlins and posts made from beams (16x16cm), rafters (16x8cm), brackets (12x12cm), roof battens (6x6cm).

Rafters and purlins have decorative ends. The roof is covered with spruce or larch boards which have anti-tension grooves.

4. Installations

There are no installations planned to be mounted in the construction.

5. Finishing

5.1 Wooden elements

All planed wooden elements are vacuum-pressure impregnated (for ex. by Wolmanit C). Impregnation is wash-off resistant. Moreover, apply twice wood coloring impregnation.

Additionally, the roof is painted by exterior wood paint (for. ex. Valtti Opaque Tikkurila). The colors will be natural shades which may easily harmonise with the landscape and surroundings in the area where the construction is build.

Seat boards and support construction of the seats are sanded. All connecting elements made from steel must be galvanized.

5.2 Floor

As it is planned, within the contours of the gazebo, the floor will consist of 6-32mm gravel embankment that is 10cm high.