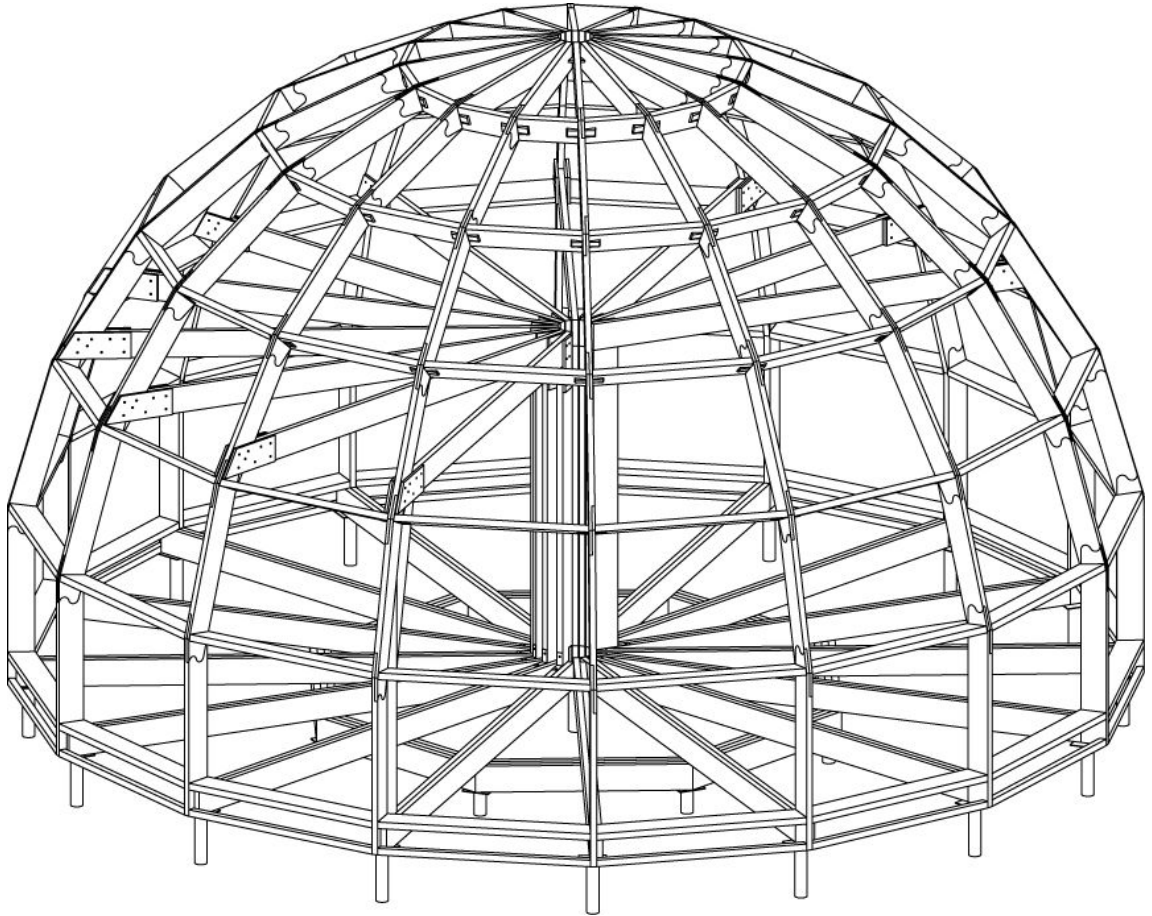
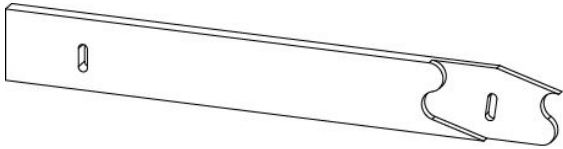
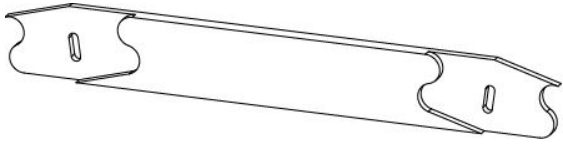
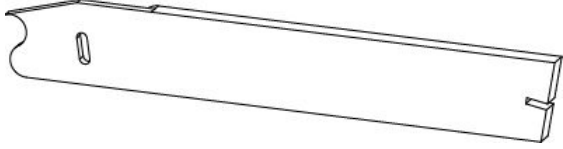


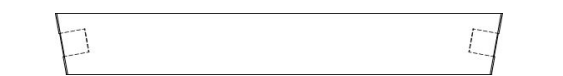







# Z8



# DOBROSFERA

# Delivery set

B1		16
B2		64
B3		16
R1		16
R2		16
R3		16
R4		16
R5		16
R6		16
D		1
N		96

A foundation piles, foundation frame, floor lags, flooring beams, supports and anchorages of the lags of the second floor are not included in the delivery set.



## **Attention! Be sure to read this section before assembling.**

Before proceeding with the assembly of the frame, prepare sawn OSB elements, 15 mm thick (map of pattern see below), a screws, a screwdriver and drills for pre-drilling under self-tapping screws. All of this you will need during assembly.

During assembly, be sure to fix a frame, securing the cladding on each assembled horizontal tier. The cladding, sawn exactly in size, is also a template for precise positioning of beams and the braces of the frame for correct convergence in the upper anchorage.

For installation of the cladding, please use galvanized screws 5x60 every 20 cm perimeter. To drill 3 mm by 45 mm deep into the frame.

To piece together the constituent elements of the cladding, consisting of several parts is required.

The frame must be fixed on metal plates on top of the pile with a bolt screw from below through the head to the vertical beam with preliminary drilling with a depth of 120-150 mm.



## **It is important!**

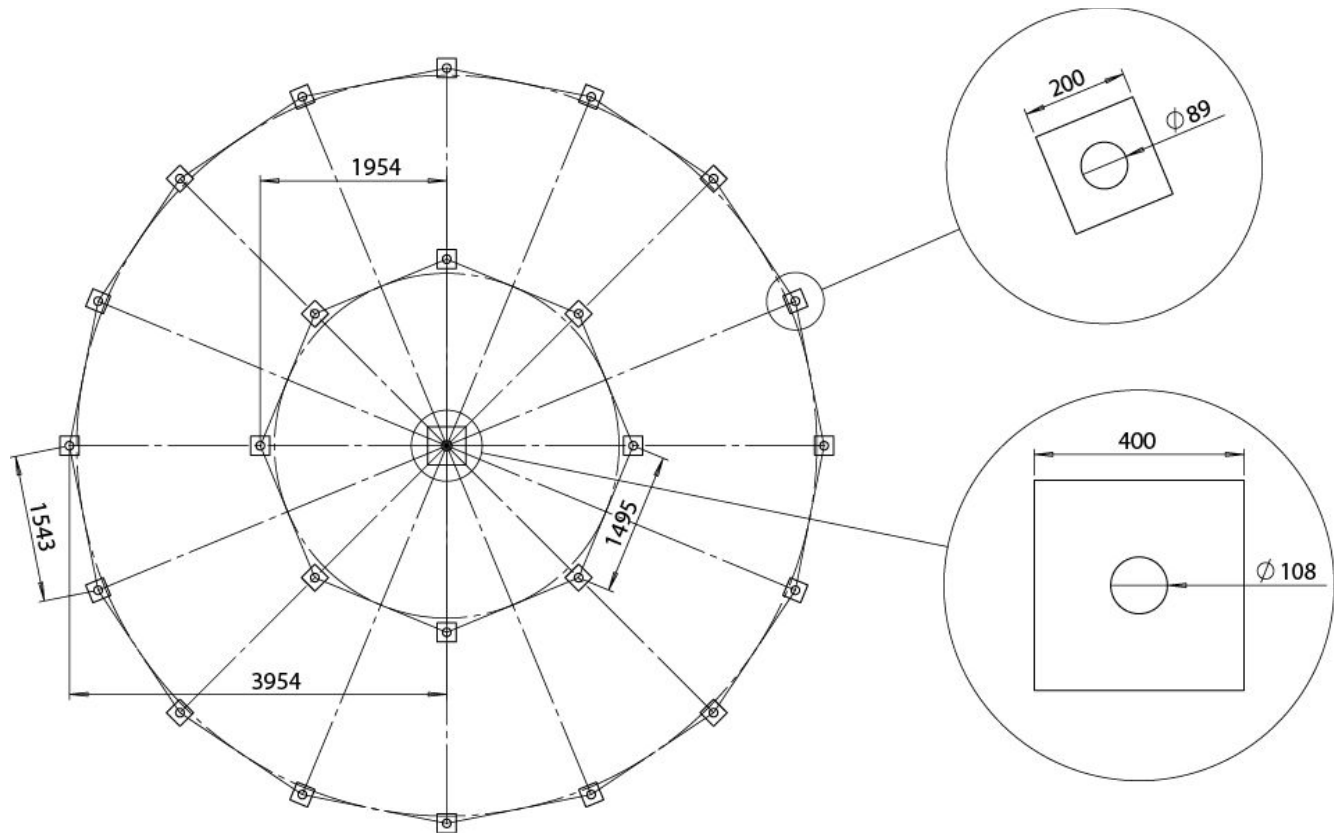
**Never pick up the next horizontal tier of the frame, without securing the previous covering!**

**Remember that this can lead to collapse of the frame, serious injuries and even death. Strictly adhere to the assembly instructions!**

For work at a height, use only specialized auxiliary equipment. Be sure to use a construction helmet, insurance and assistants.

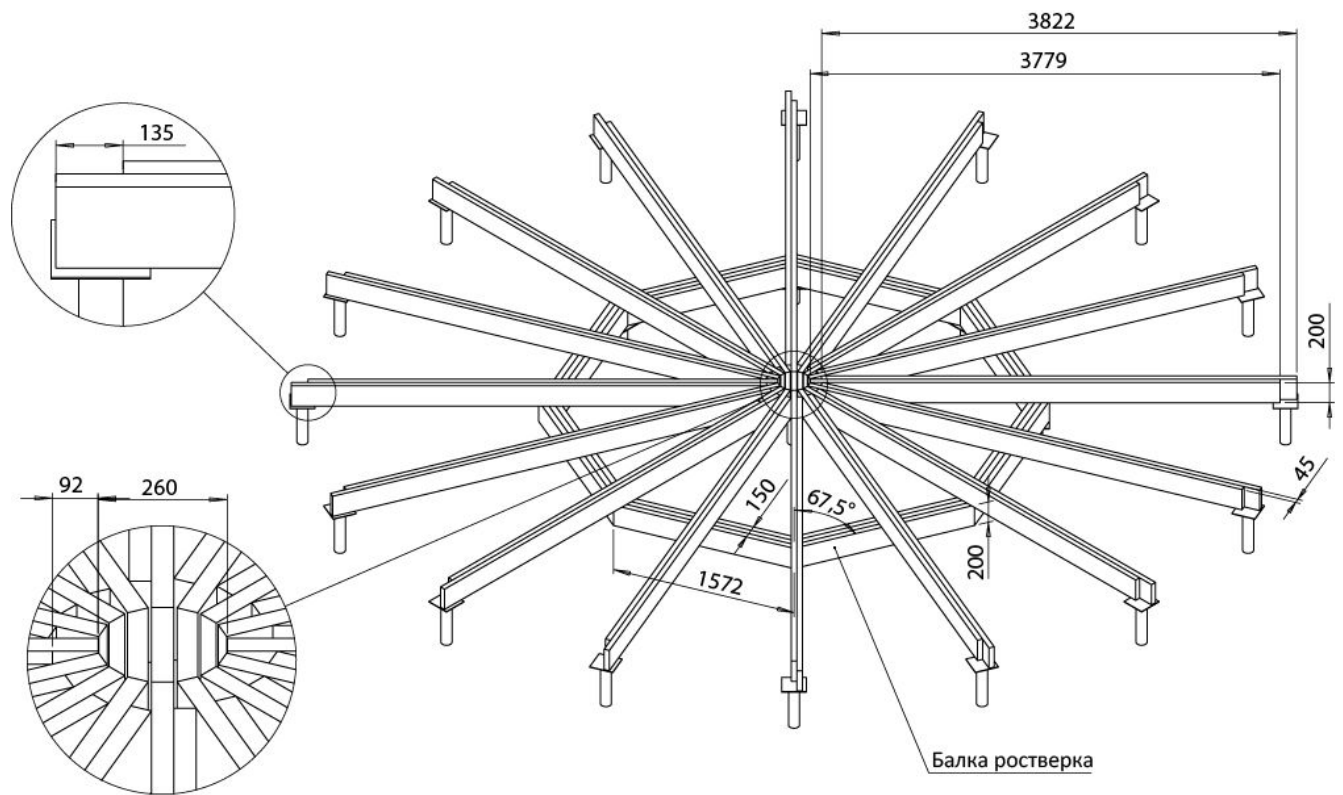
If you are not sure in your abilities, recruit specialists for installation.

# Foundation - screw piles



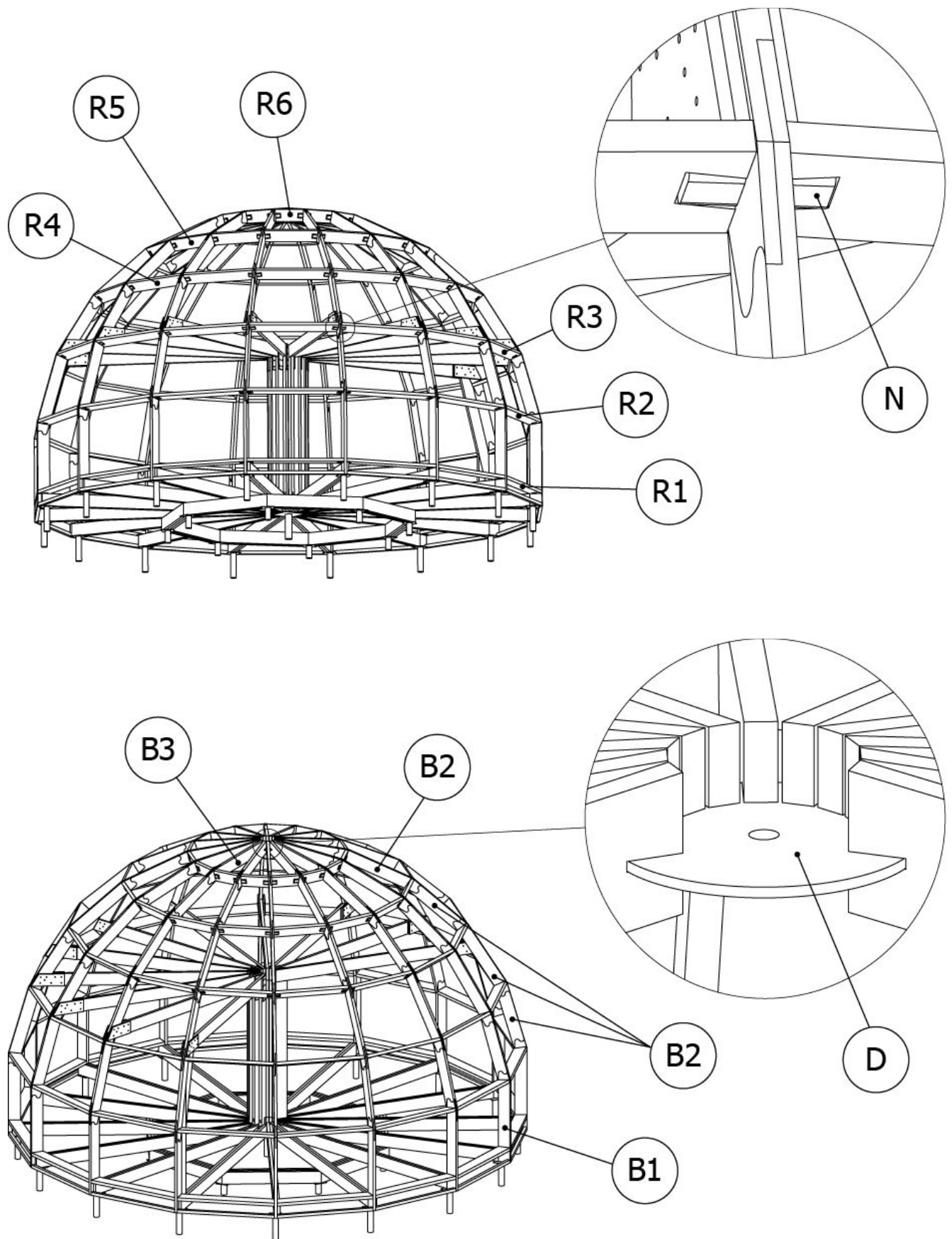
It is possible to use a band or monolithic foundation; combining of perimeter piles and concrete support in the center; other types of foundations.

# Foundation frame and lags of the first floor



The lags of floor and the beams of foundation frame are not included in the delivery set, they are locally manufactured from dry lumber.

# Frame assembly



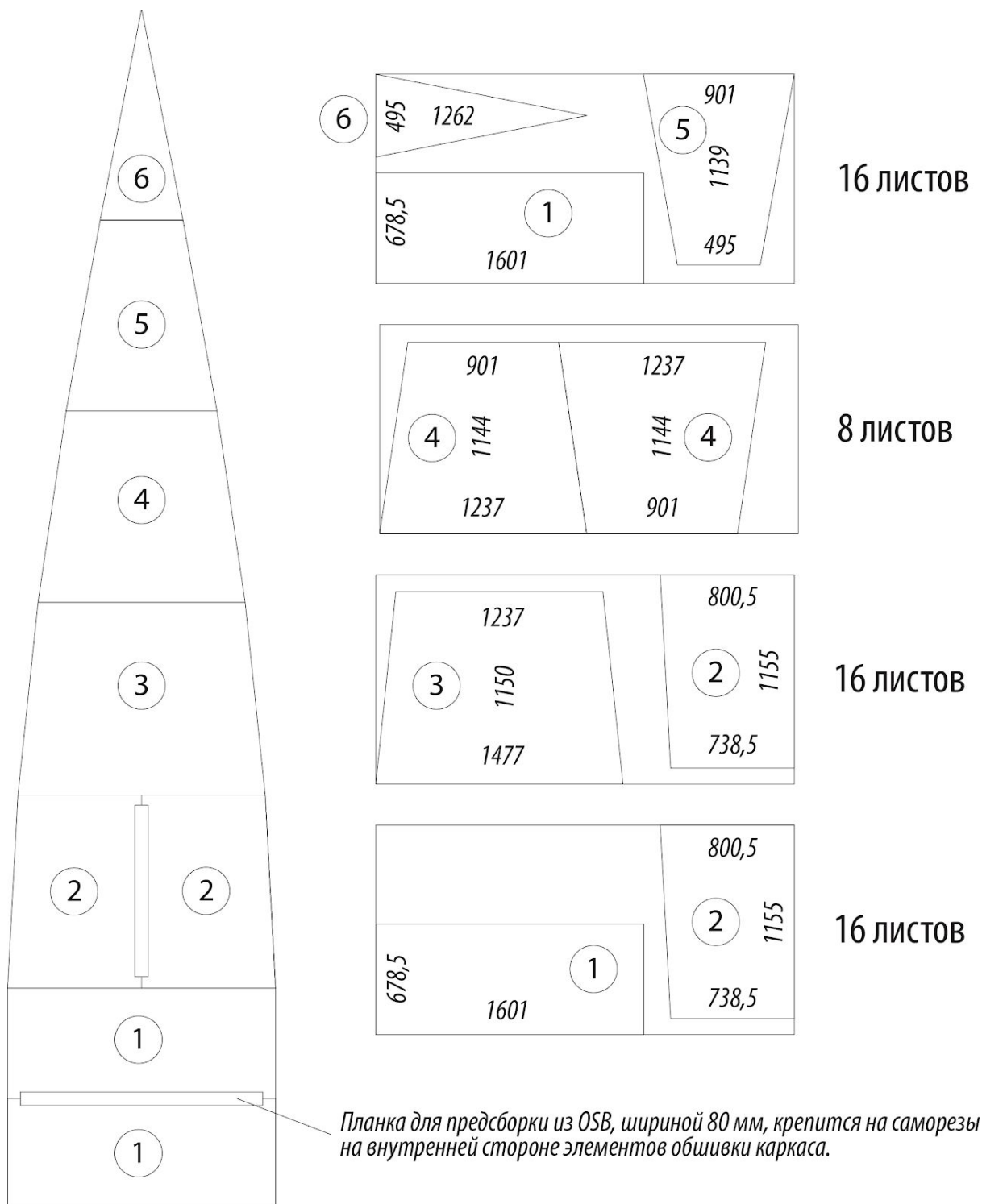
Technical drawing of a dome structure, showing a perspective view and several detailed cross-sections and plan views with dimensions.

**Dimensions and Details:**

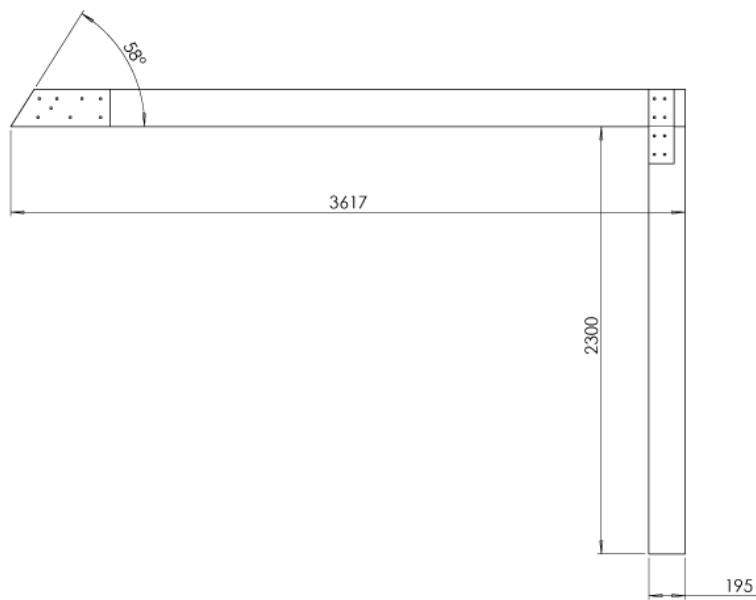
- Top View (Circular):** Shows a circular base with a diameter of 532. Internal dimensions include 216, 94, 134, 100, 173, 163, and 50. A 58° angle is indicated.
- Side View (Circular):** Shows a cross-section of the dome with a height of 400. Internal dimensions include 135, 50, 100, 100, 100, 30, 55, and 50. A hole with diameter  $\varnothing 12$  is shown.
- Detail View (Circular):** Shows a cross-section of a wooden beam (Брусok подшивки) with a width of 50 and a height of 80. The angle of the beam is 79°. The length of the beam is 1557.
- Detail View (Circular):** Shows a cross-section of a wooden beam with a width of 50 and a height of 80.
- Detail View (Circular):** Shows a cross-section of a wooden beam with a width of 50 and a height of 80.

# Sheet of frame cladding

Presented for OSB size 15x1250x2500. Trimming of the material will go to underfloor heating and for the connecting bar. In the process of connecting the composite elements by the bar, do not allow the output of the screws from the outside of the cladding - otherwise it will damage the roof! Sheathing is not included in the delivery set and it is manufactured independently.



# Fixing lags of the floor on the second floor



Supports of the lags of the floor and the lags of the second floor are ordinary boards of coniferous trees.

Fixing lining are made of PSF plywood thickness of 20 mm.

We recommend to leave a sufficient second light to organize the stairs and maximum aesthetics of the construction..

To avoid sagging the lags of the second floor, add vertical supports under the lags to the wall partitions and other places as needed!

# Important notes

The constructor is made of solid wood of coniferous trees - a living, natural material.

The presence of irregularities, knots, roughness and cracks in the frame elements is acceptable, which is not a material defect and does not affect the strength of the construction.

## Features of storage and the maintenance

The constructor should be used for its intended purpose as a dome house, which is lined from the outside and roofed with a roof.

It is recommended to cover all wooden frame elements with a protective formulation, selected according to the planned operating conditions.

You should keep the constructor in a cool dry place, protected from direct sunlight and precipitation, ensuring free circulation of air around the elements, away from heat sources, high humidity and extraneous odors.

## The guarantee

The manufacturer sets a warranty period of one year for the constructor. At the same time, the change in the physical parameters of the designer (wood) arising from improper storage or operation is not a warranty case.

## Reference information

The table shows the characteristics of the constructor Dobrosfera Z8 for an approximate calculation of the estimate.

№	Name	Unit of meas.	Quantity
1	Total surface area	m2	124
2	The area of the vertical part	m2	35
3	Quantity of OSB sheets for cladding	m2	89
4	Quantity of OSB sheets for cladding	pieces	56