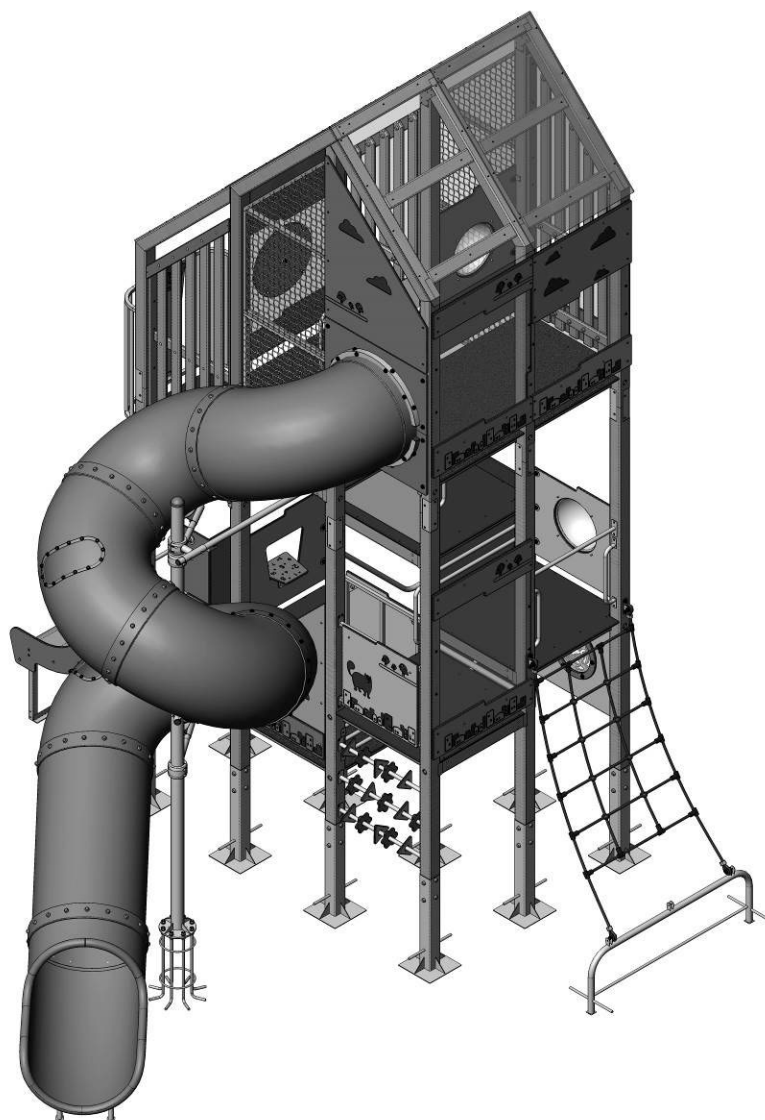


DATA SHEET

Playground complex «Big City-7» TE937



CONTENT

1. GENERAL INFORMATION	Ошибка! Закладка не определена.
2. ASSEMBLING AND INSTALLATION OF THE PRODUCT	Ошибка! Закладка не определена.
3. PRODUCT USE	Ошибка! Закладка не определена.
4. PRODUCT MAINTENANCE	Ошибка! Закладка не определена.
5. STORAGE, TRANSPORT AND DISPOSAL INFORMATION	Ошибка! Закладка не определена.
6. TECHNICAL DATA AND ASSEMBLY SCHEMES	Ошибка! Закладка не определена.

FOR NOTES

This image shows a full page of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page, typical of notebook or legal stationery. There are no margins, text, or other markings on the page.

1. GENERAL INFORMATION

Purpose and content of this document. This document contains general description of the equipment, information on installation, intended use, maintenance, repair and manufacturer's warranty.

Distribution of this document for product modifications. Manufacturer can make changes to the product design to improve its performance, change the design, etc. This document may not contain a description of such changes, but applies to the following modified products.

2. ASSEMBLING AND INSTALLATION OF THE PRODUCT

Tools and accessories. The product does not include the tools required for installation.

Procedure of assembling and installing the product.

- 1) Mark the area according to the foundation location scheme.
- 2) Make the digs for installation of the embedded parts and the attachments. The depth of these digs leveled by deepening or adding the gravel.
- 3) Assemble and install the equipment in accordance with the assembly schemes - chapter 7.
- 4) To concrete the embedded parts and support constructions of the attachment elements. During installation of equipment on a sand soil, overall sizes of the digs must be increased by 15-20%.

To avoid cracking of the wood, it is necessary to drill the holes with diameter 0,6..0,7 of the start diameter and depth up to 0,8 of it's length for the screws with diameter more than 4 mm.

WARNING! The presence and participation of the children in the process of installation of the equipment is not allowed.

3. PRODUCT USE

Do not use the product until it has been fully and completely installed.

Do not use the product by users of a different age and weight category.

Before using the product, clear the safety zone of unnecessary objects that may cause harm to the user (debris, tools left after assembly and installation, etc.).

Do not use the product in adverse weather conditions (ice, snow, rain, hail, strong winds, etc.), which may cause injury to the user.

4. PRODUCT MAINTENANCE

You have purchased high-quality and reliable equipment. In the process of its production, the requirements of regulatory and technical documents of Ukraine, the CIS countries and the European Union regulating the production of children's gaming equipment were taken into account. However, it should not be forgotten that when operating any technical product, certain rules and requirements must be followed. Despite the fact that our product is of high quality and reliability, this rule applies to it in full. You should be aware that the implementation of the following rules and recommendations for product maintenance is aimed at ensuring that your child, the child of your friends or acquaintances is safe and no unforeseen factors threaten his health, life.

Remember that the operation of the product is accompanied by the influence of various negative factors on it, a complete list of which cannot be predicted. Among them, an important place is occupied by natural factors and factors caused by human influence on equipment. As a rule, their action initially leads to disruptions in the appearance of the product. Thus, under the influence of factors caused by the exploitation of a person, there may be damage to the integrity of the paint coating of parts made of wood, in the form of scuffs, chips, incisions, and when exposed to parts made of metal, damage to the paint coating in the form of nicks, chips, abrasion, etc. This leads to the emergence and development of defects that can be the cause of the destruction of the product. The product is particularly dangerous if it is used for other than its intended purpose, if the permissible loads are exceeded, or if vandalism occurs, as these factors can cause irreversible changes in the structure of the material from which the product is made, leading to destruction.

The maintenance of the product implies, first of all, the responsibility of the user to comply with all recommendations provided in this document, starting with a daily inspection of the external condition of the product before operation.

Daily inspection of the product is a very important procedure. With its help, you can timely detect any changes in the appearance of the product (deformation of individual parts, deformation of the structure as a whole or part of it, damage to parts, cracks of welds, as well as the absence of fastening of parts of the product, etc.).

Before using the product, check its operability, absence of damage, dirt on the product, sharp edges, reliability of fixing the structure, absence of unnecessary objects on the surface of the site. If the product is damaged, fully or partially inoperable, or has any other defects, do not use it.

During operation it is also necessary to inspect the condition of the product periodically - the current inspection. It includes an external inspection of the product, checking its operability (in the presence of moving elements - the smoothness of the movement of mechanisms, compliance with operating modes, etc.). Current inspection allows you to detect malfunctions caused by the operation of equipment, climatic conditions, acts of vandalism and other factors, until they reach a critical level and the destruction of the product. The current inspection is carried out in order to detect foreign objects that may threaten the user and lead to violations of the functioning of the product. The frequency of the current inspection is set by the owner taking into account the operating conditions. If you do not have sufficient technical knowledge and skills to conduct such inspections, we recommend you to contact the authorized specialists of the manufacturer in order to obtain advice.

Every three months, a scheduled inspection should be carried out, which primarily concerns the foundation part, load-bearing elements and connection nodes of elements (their integrity and degree of deterioration).

The main annual inspection must be carried out annually by authorised specialists of the manufacturer. During the inspection, the technical condition of the equipment shall be assessed for compliance with safety requirements. The degree of deterioration and damage to wooden elements and their ability to withstand the applied loads, damage, corrosion of metal elements and the impact of these factors on the safety of the product are determined. The inspection also helps to identify the impact of repairs, if any, on the safety of the equipment.

Based on the results of the inspection, a maintenance procedure is carried out to eliminate the identified discrepancies in the product's operation. This procedure includes assessing the condition of parts and assemblies, replacing worn parts, and restoring the integrity of protective coatings. The results of the inspections, as well as the procedures carried out as a result of the inspection and maintenance of the product must be properly documented in the Registration Journal, which is an integral part of this passport. The owner of the product must keep the acts of maintenance of the product, acts of repair work.

5. STORAGE, TRANSPORT AND DISPOSAL INFORMATION

The product is transported in the manufacturer's packaging by any means of transport that ensures its safety and protection from external factors (rain, snow, sunlight, water, high humidity, etc.).

Information about transportation

Date		Brand, state number of the ca/trailer	Position, full name	Signature
Departure	Arrival			

Before installation, store the product in the original packaging in dry, closed rooms with natural air ventilation.

If it is necessary to transport the product to another location after use, it is recommended to use the manufacturer's packaging.

If long-term storage of the product is required, the following storage rules must be observed (the list of conditions is not complete):

- place the product in a closed dry room with natural ventilation;
- protect the product from external factors (dust, water drops, etc.) with a large plastic bag, leaving space for free air circulation;

- take other measures to preserve the appearance and characteristics of the product during storage.

When removing the product from storage and preparing for installation, follow the next recommendations:

- remove the product from the packaging material (polyethylene, cardboard, other packaging materials);
- remove dust and other contaminants from the surface of the product;
- check completeness and absence of parts damage.

Storage information

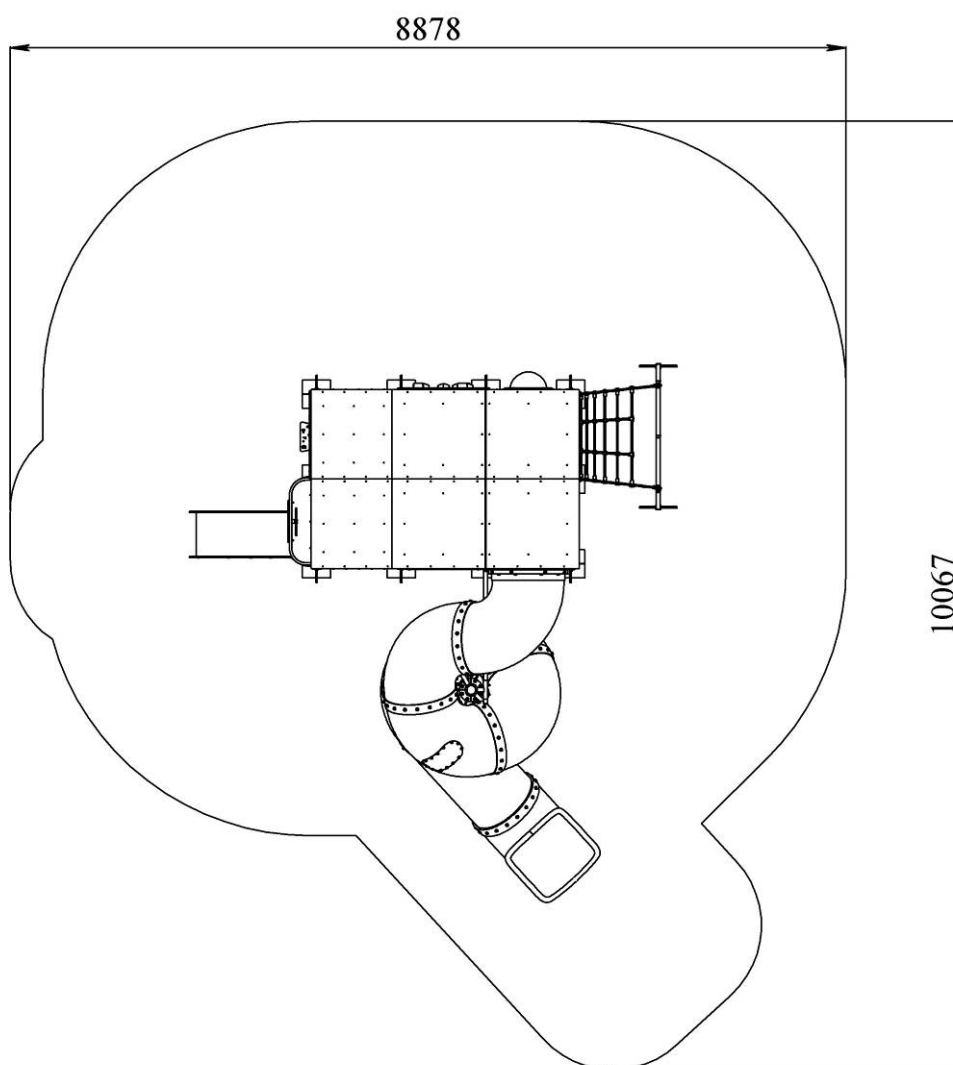
Date		Product storage conditions	Full name	Signature
Putting into storage	Removal from storage			

After the end of the equipment's service life, the buyer independently determines the procedure for its use. If you decide to recycle, contact the seller or specialized organizations.

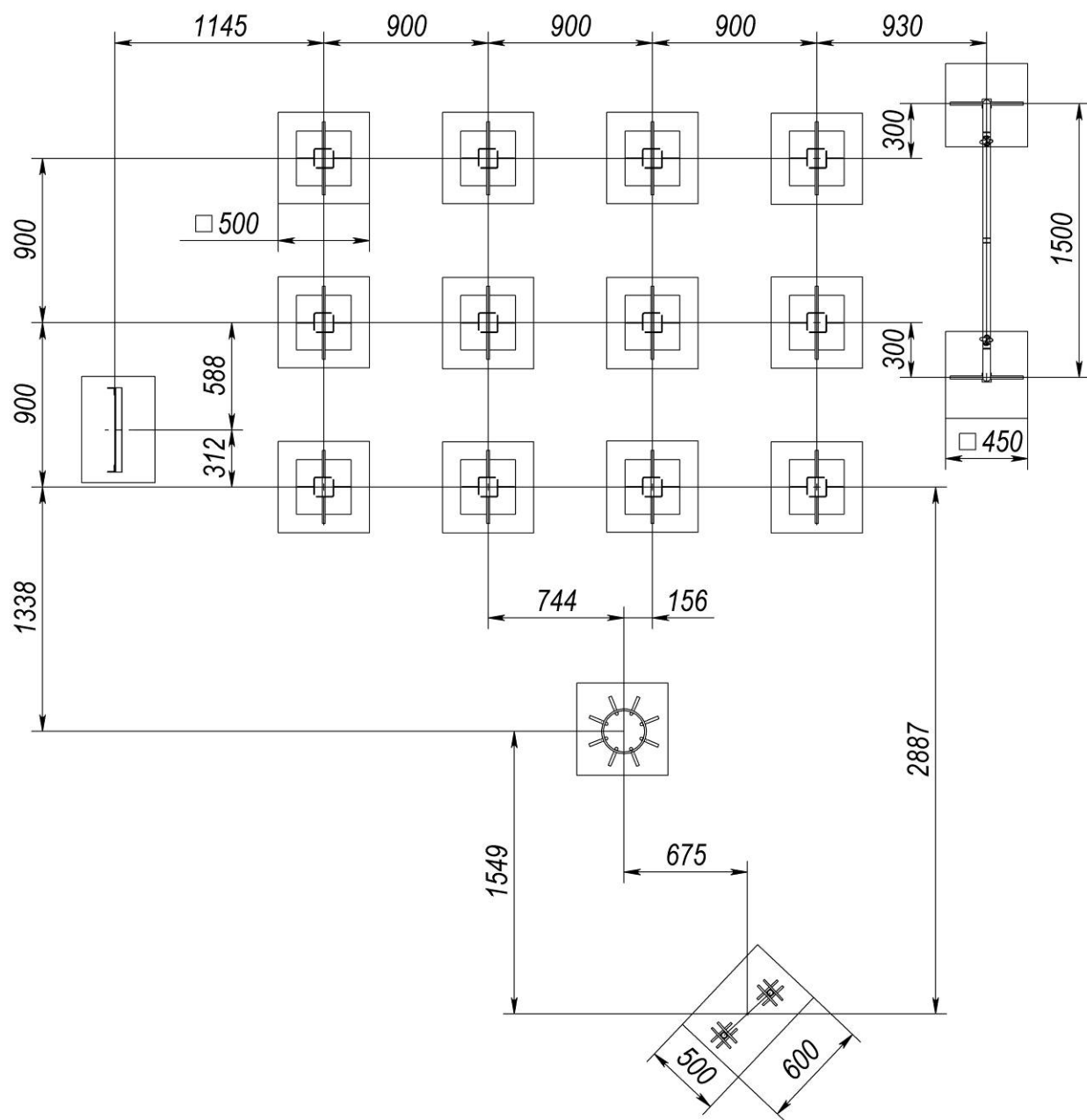
The equipment does not contain harmful impurities and materials that can harm your health and is not subject to special recycling.

6. TECHNICAL DATA AND ASSEMBLY SCHEMES

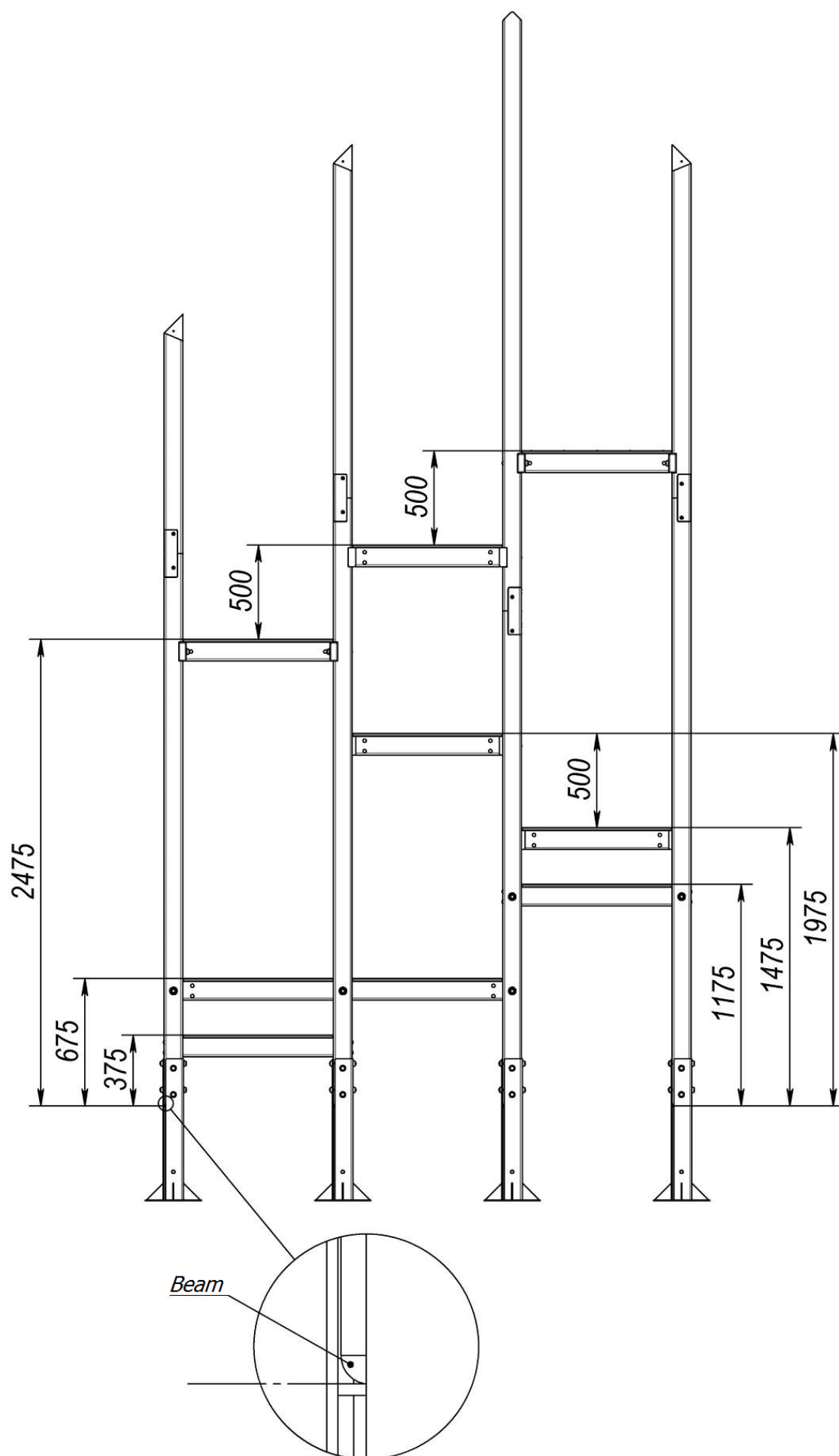
Length, mm	5690
Width, mm	4902
Height, mm	6017
Weight, kg	1710
Height of fall, mm	2528
Age restrictions, years	Up to 12
Weight limits, kg	Up to 60



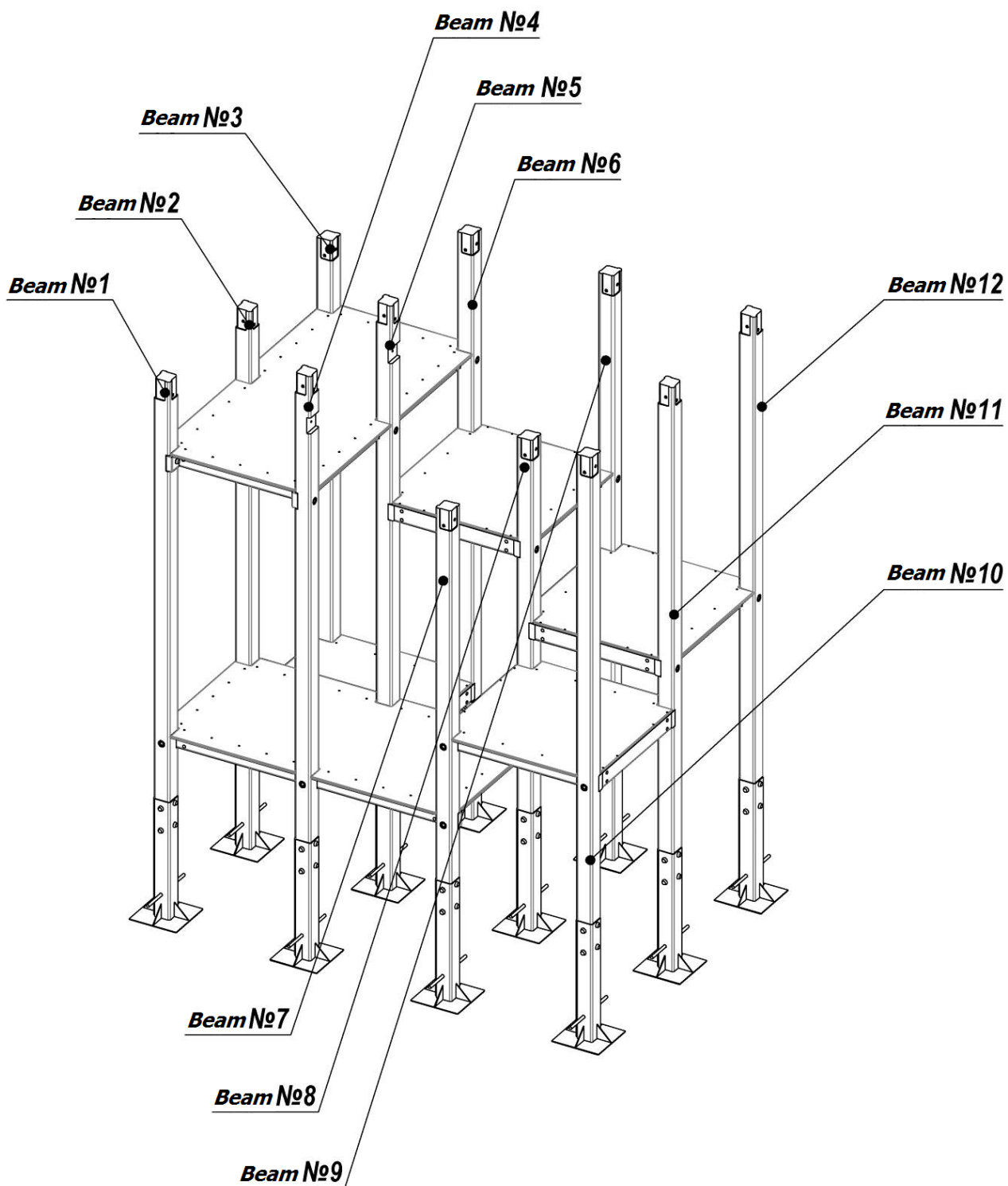
Picture 1 – Landing zone



Picture 2 - Layout of foundations

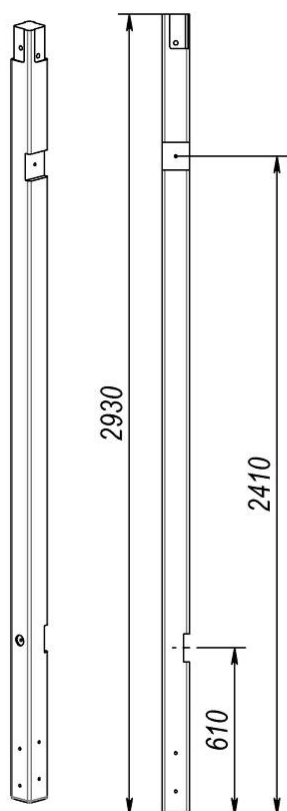


Picture 3 – Layout of sites

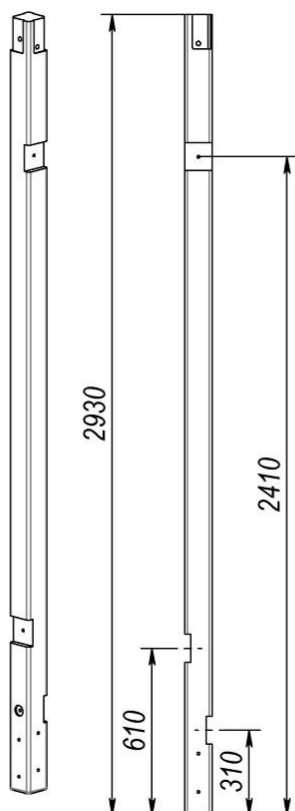


Picture 5 – Layout of lower level beams

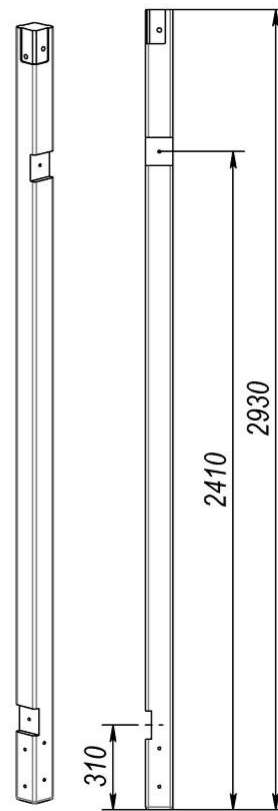
Beam №1



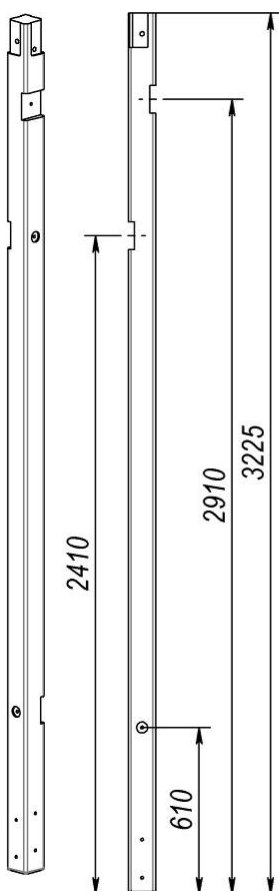
Beam №2



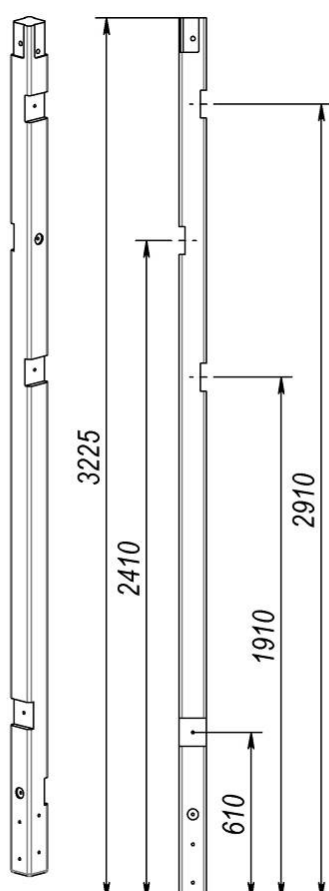
Beam №3



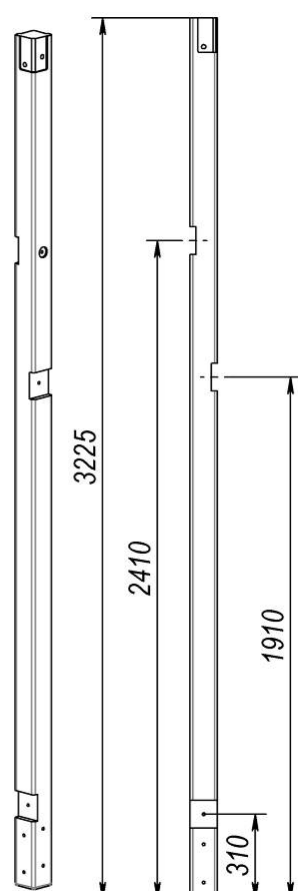
Beam №4



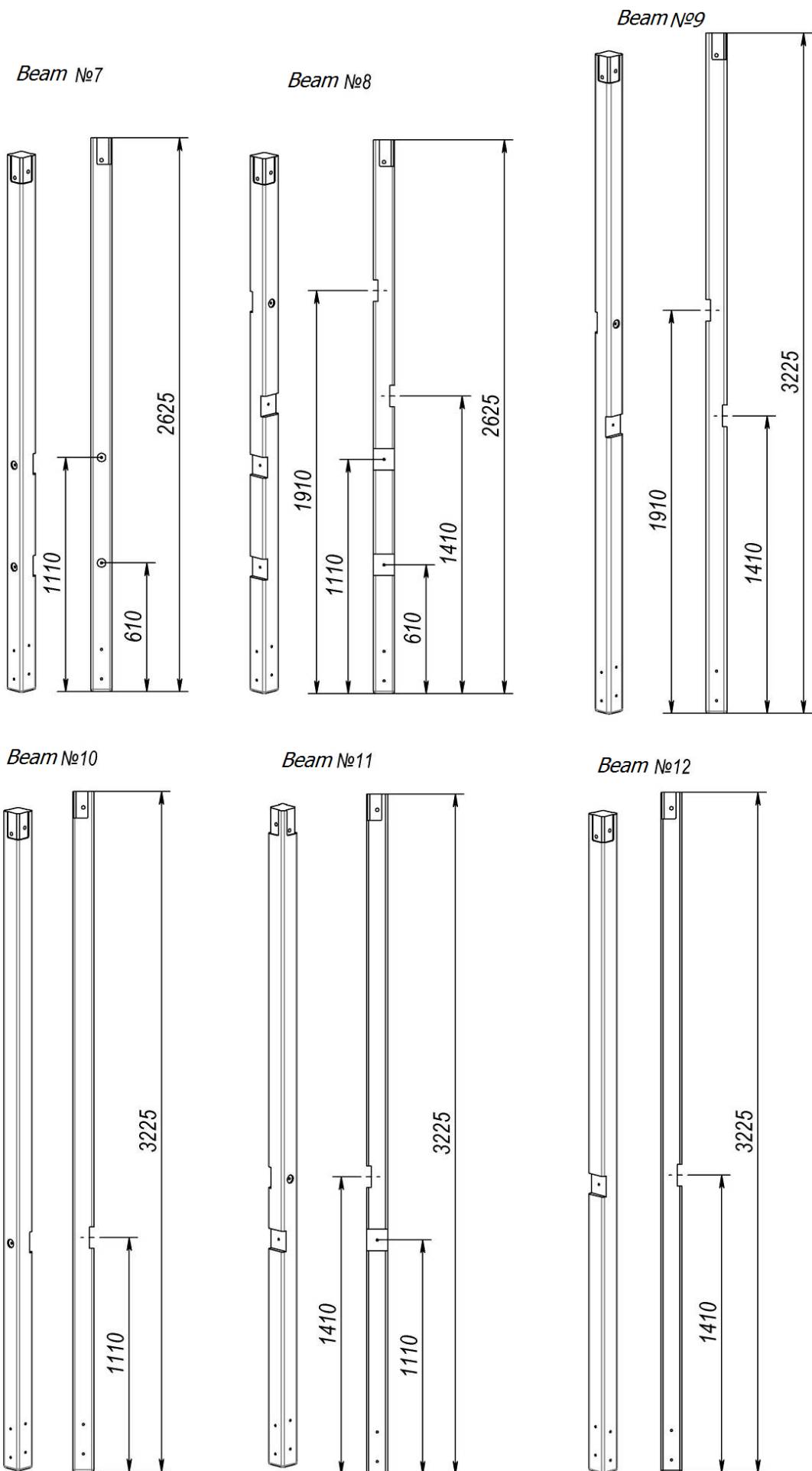
Beam №5



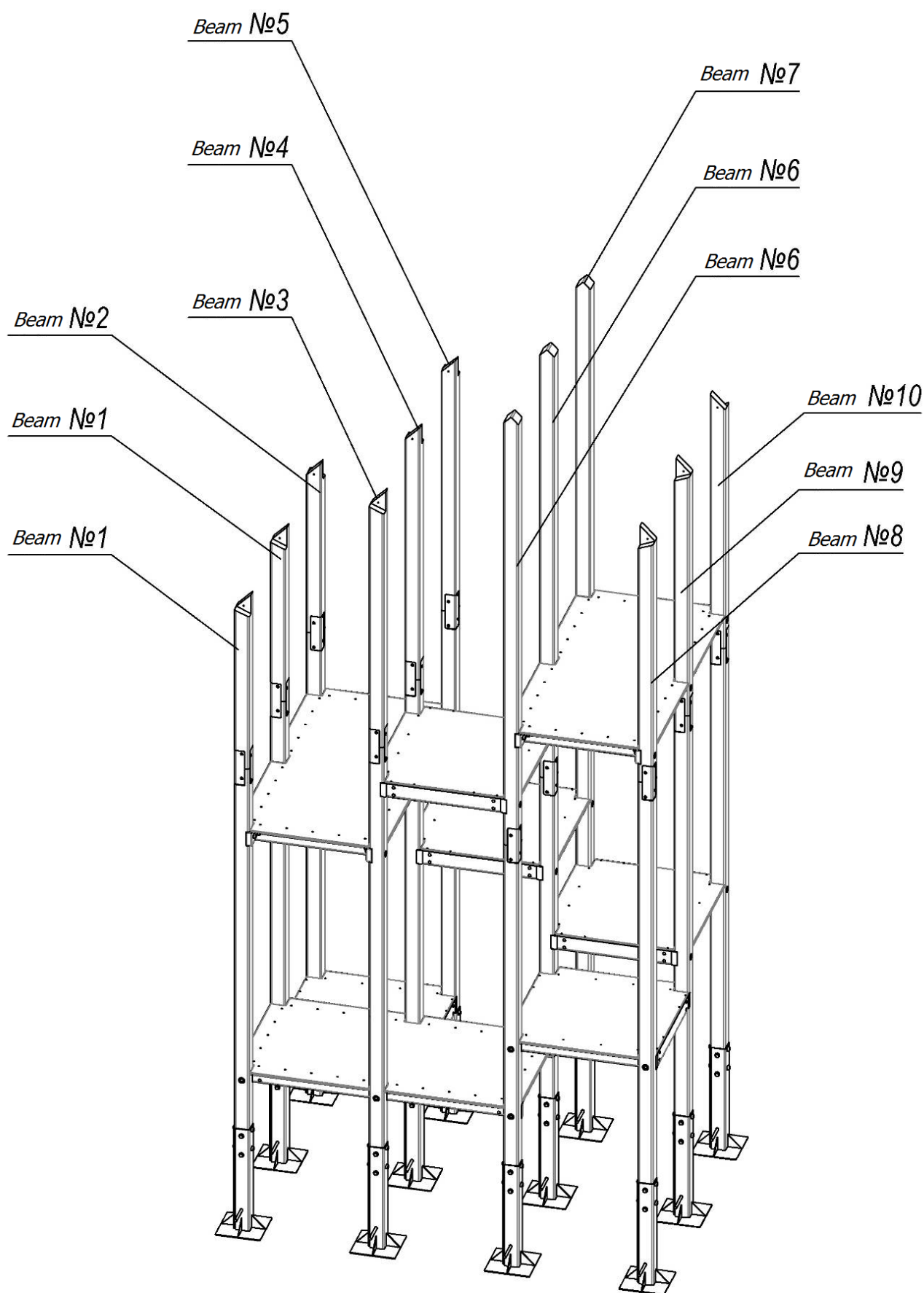
Beam №6



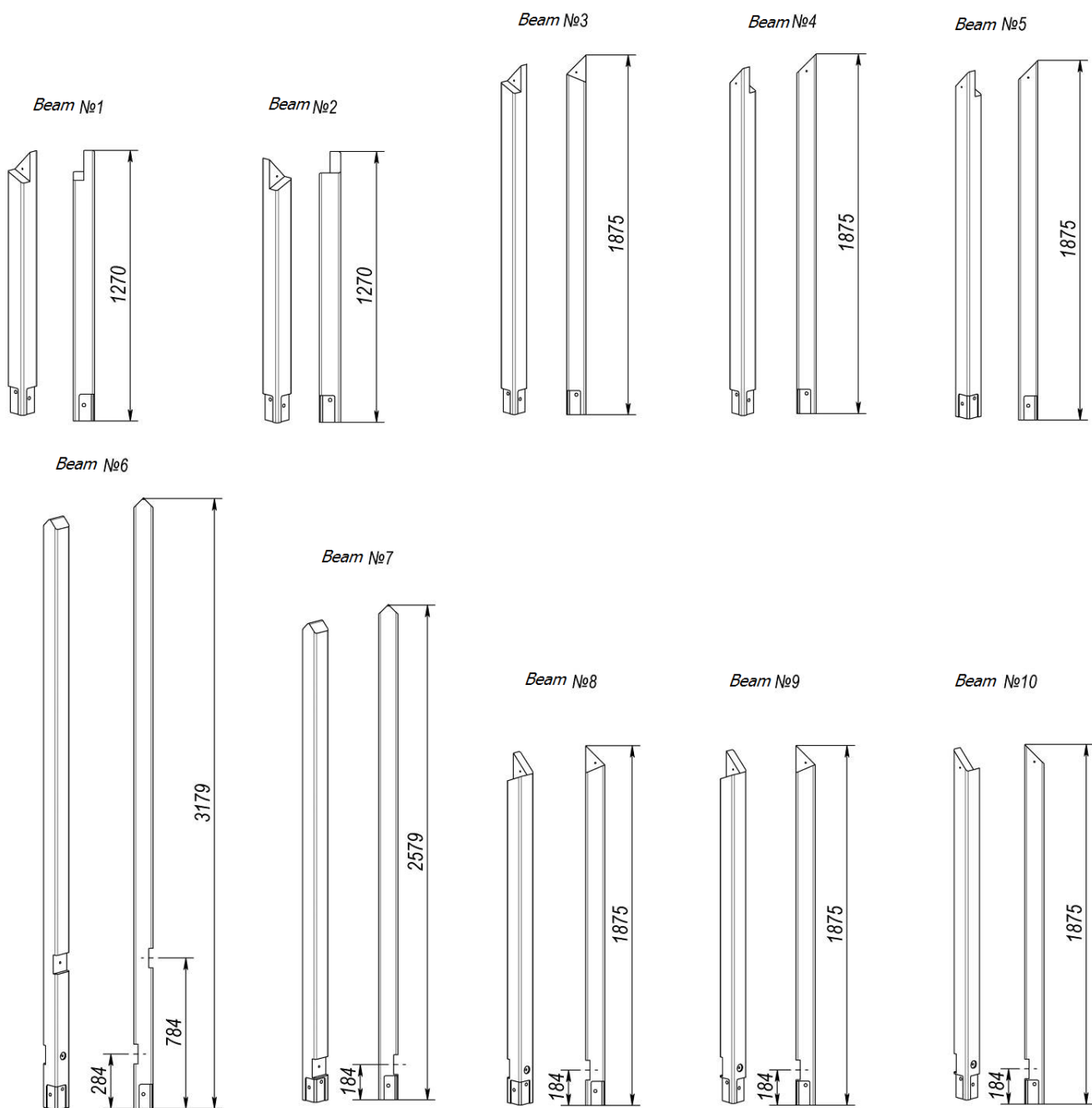
Picture 6 – Beams (1-6)



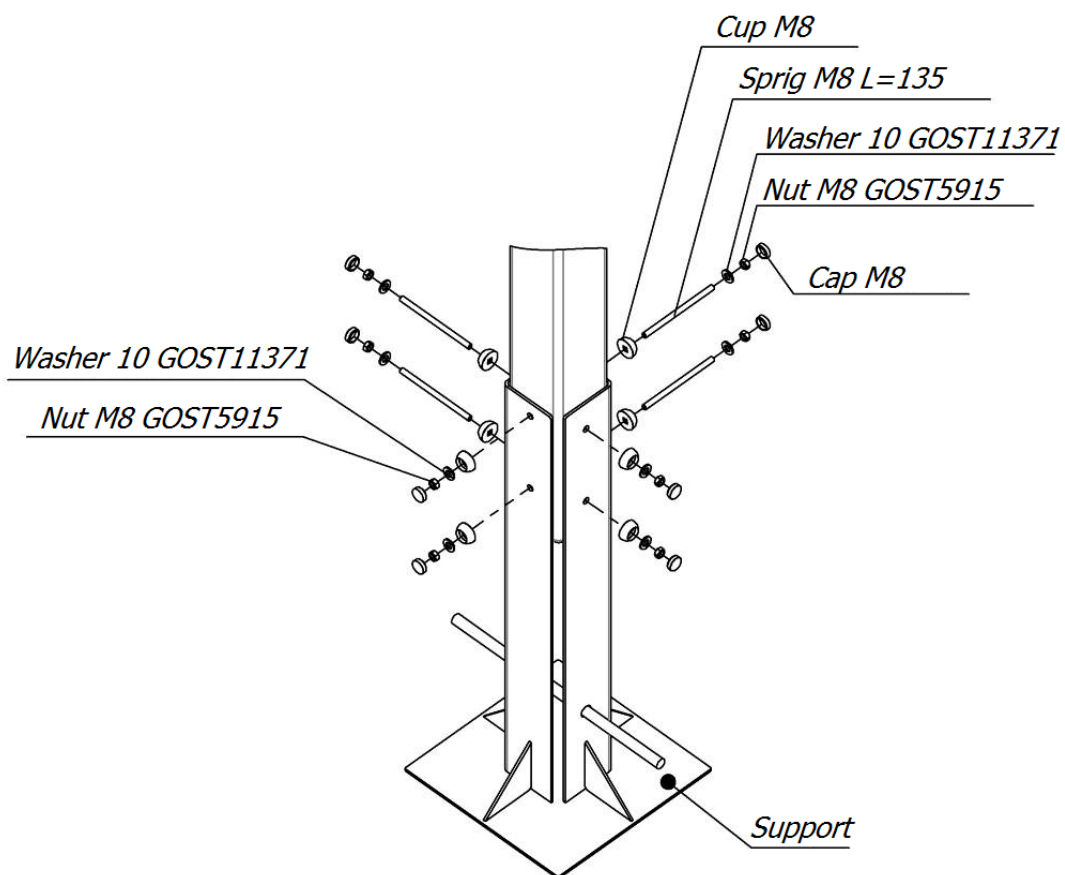
Picture 7 – Beams (7-12)



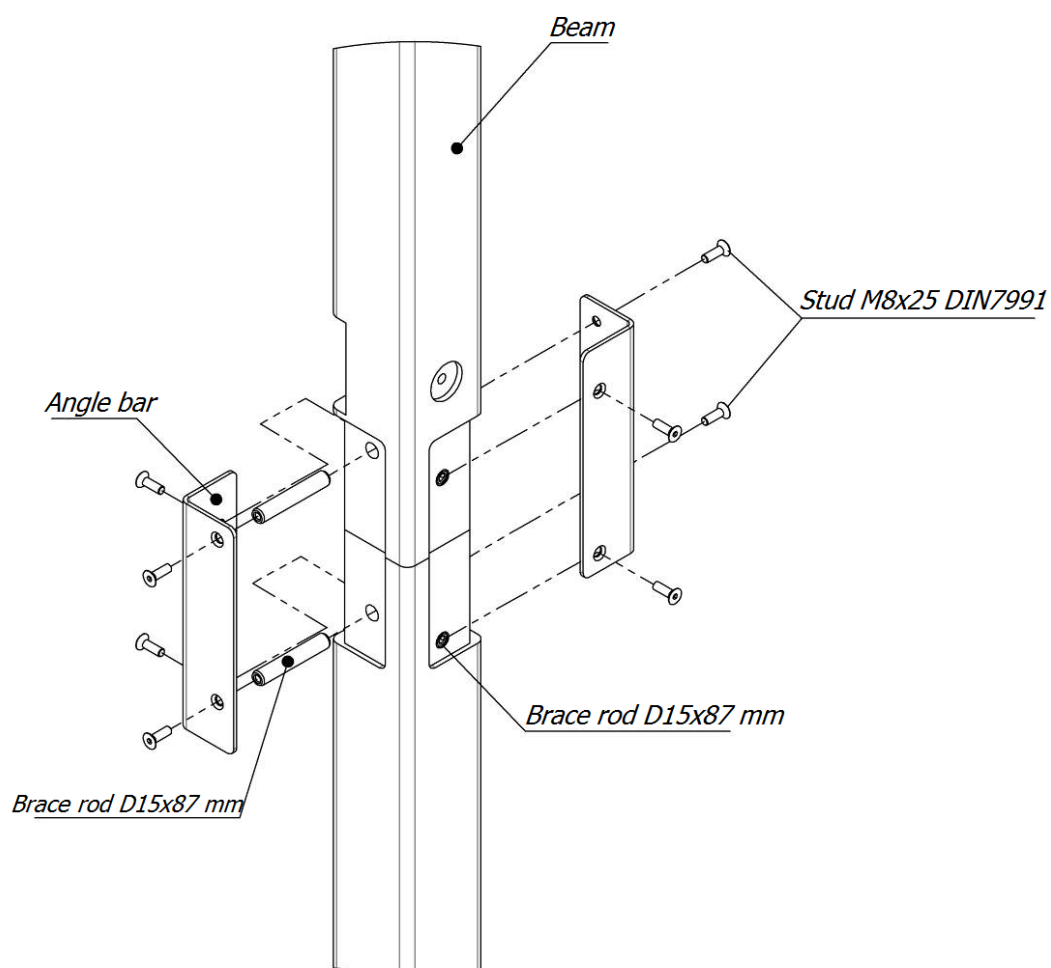
Picture 8 – Layout of upper level beams



Picture 9 – Beams (1-10)

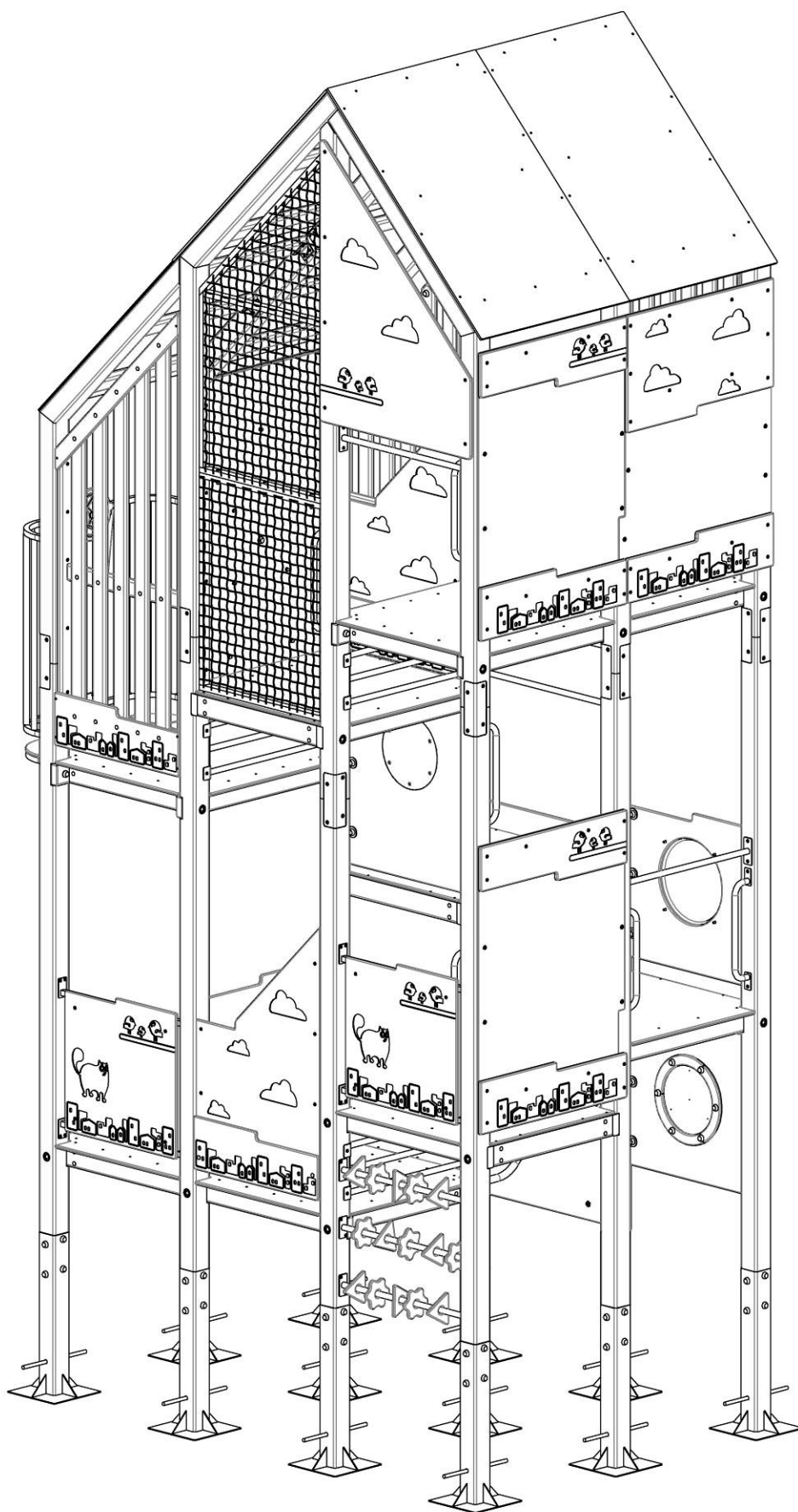


Picture 10 – Scheme of connecting support with beam

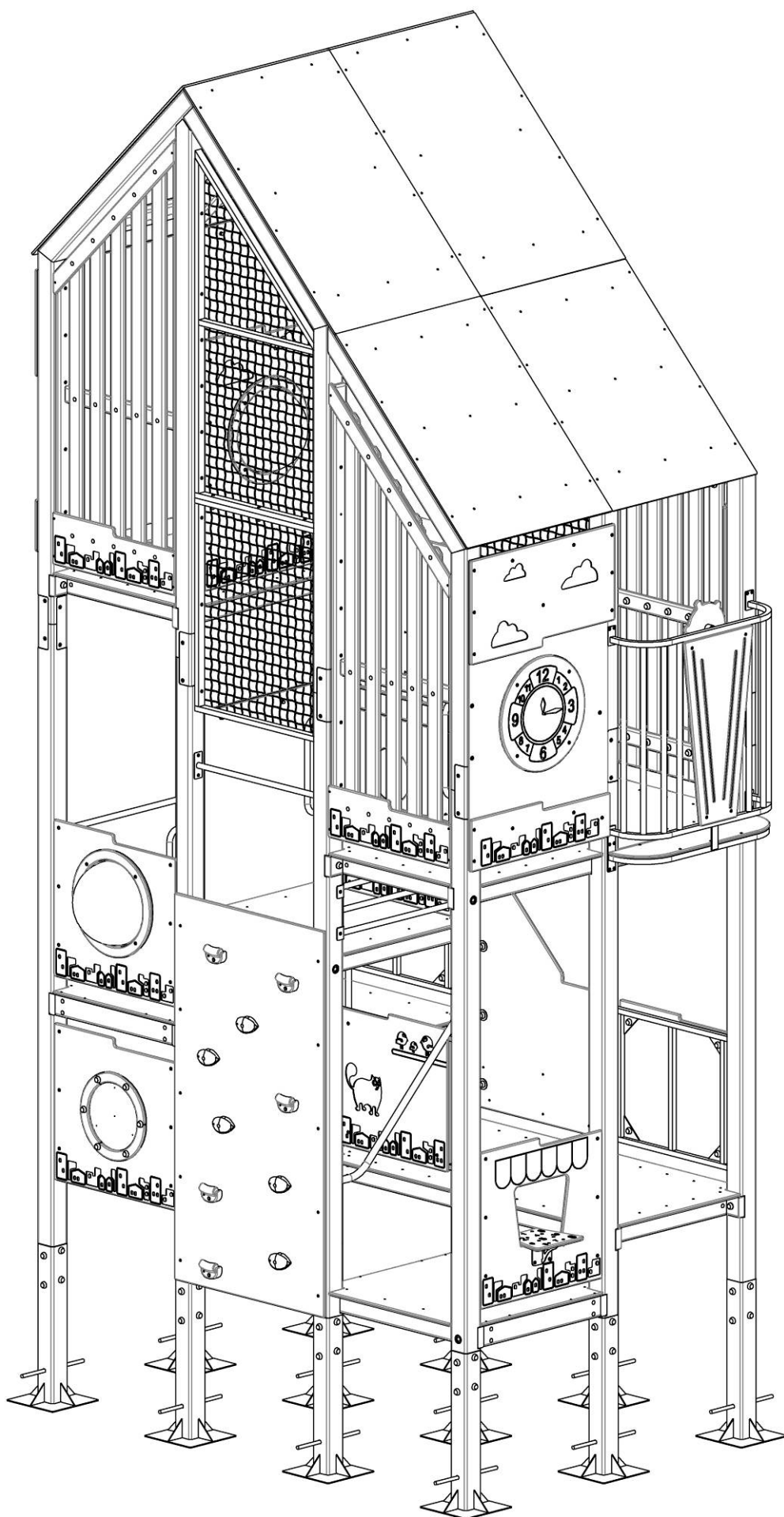


Picture 11 – Scheme of connecting two beams

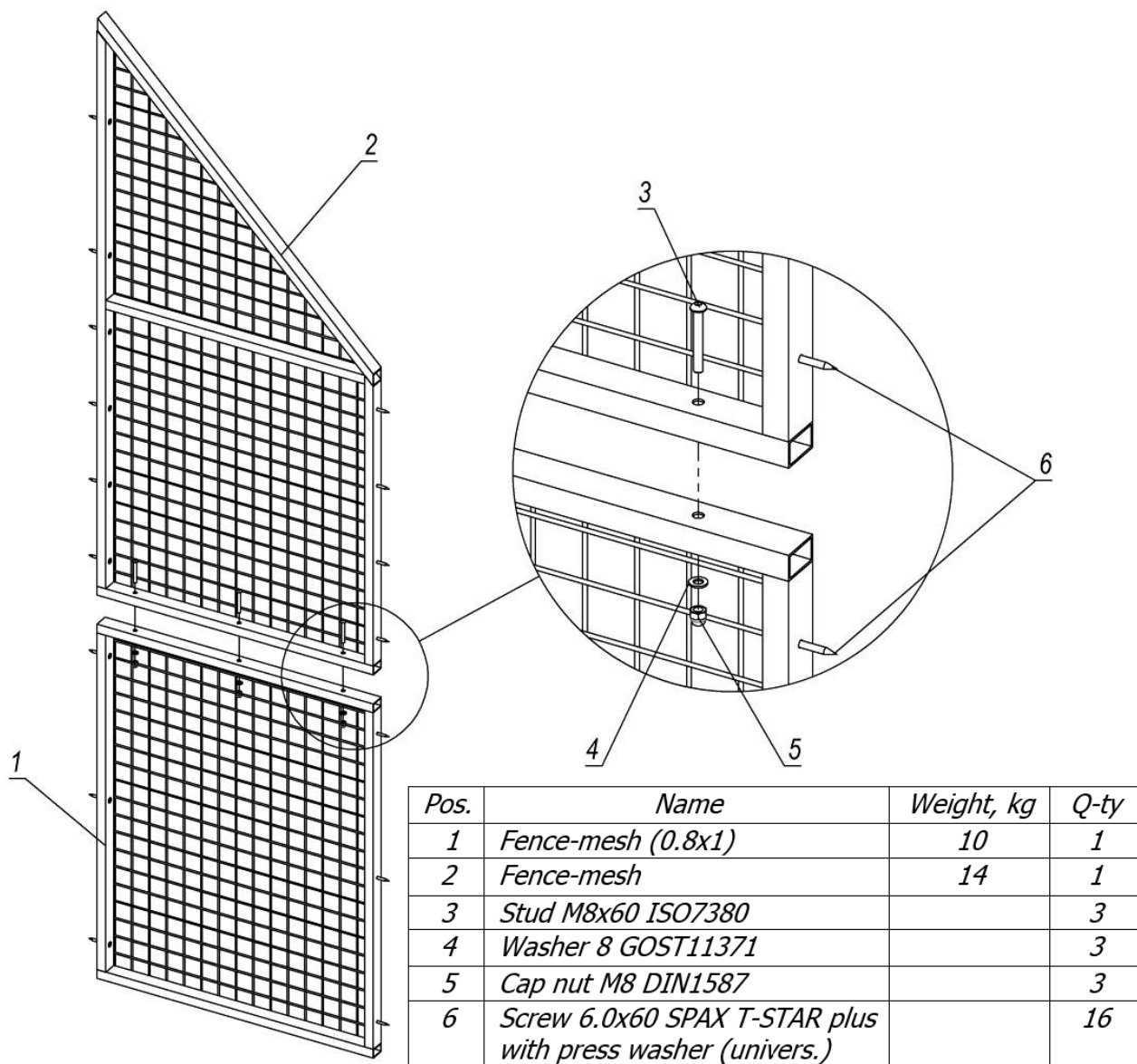
**External view of panels and their layout for multi-level tower
(Additionally layout of panels is in Appendix)**



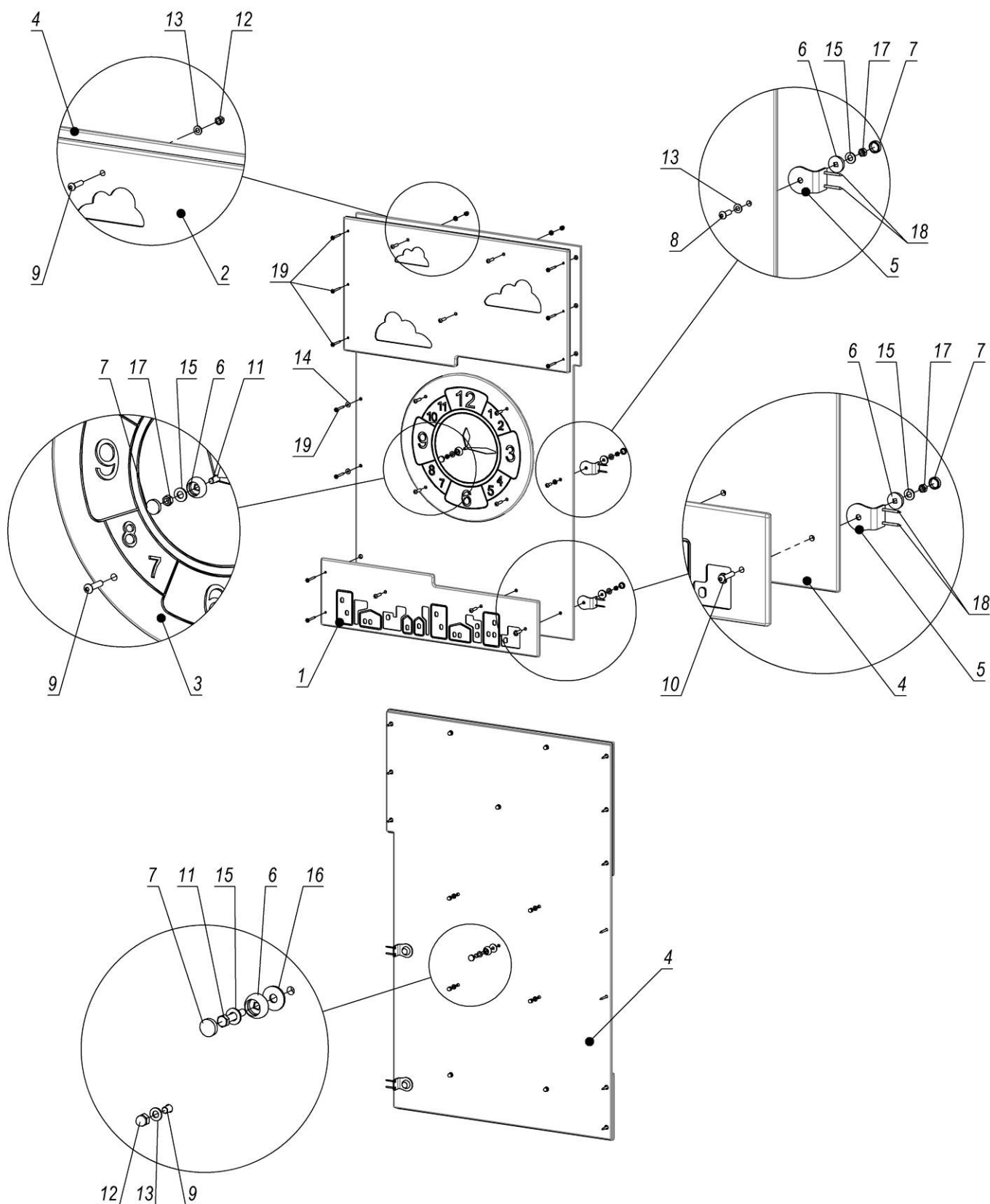
Picture 12



Picture 13



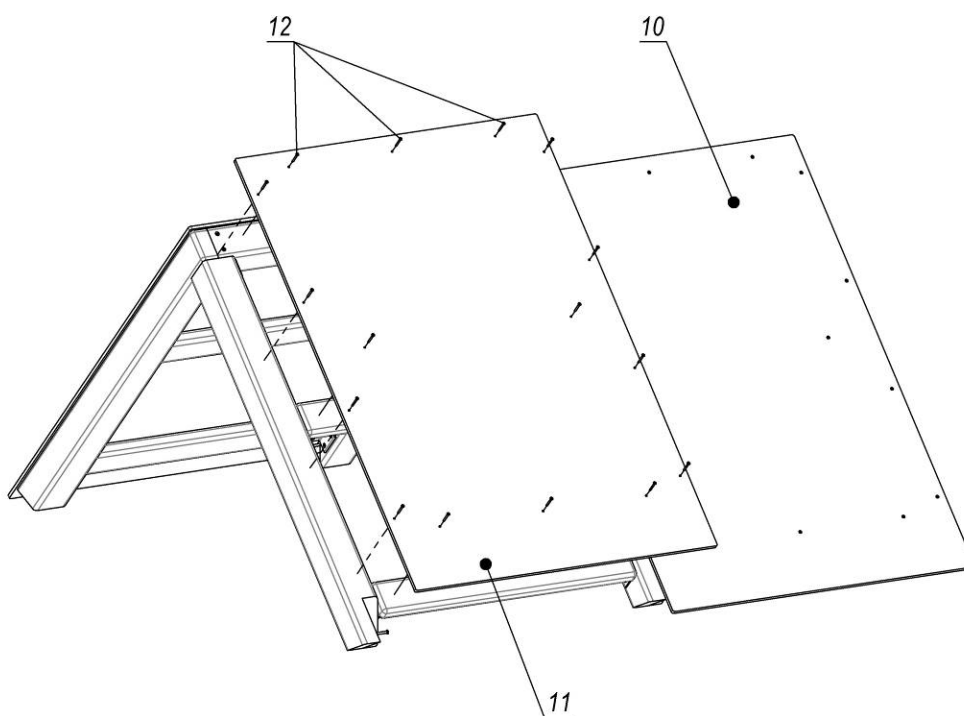
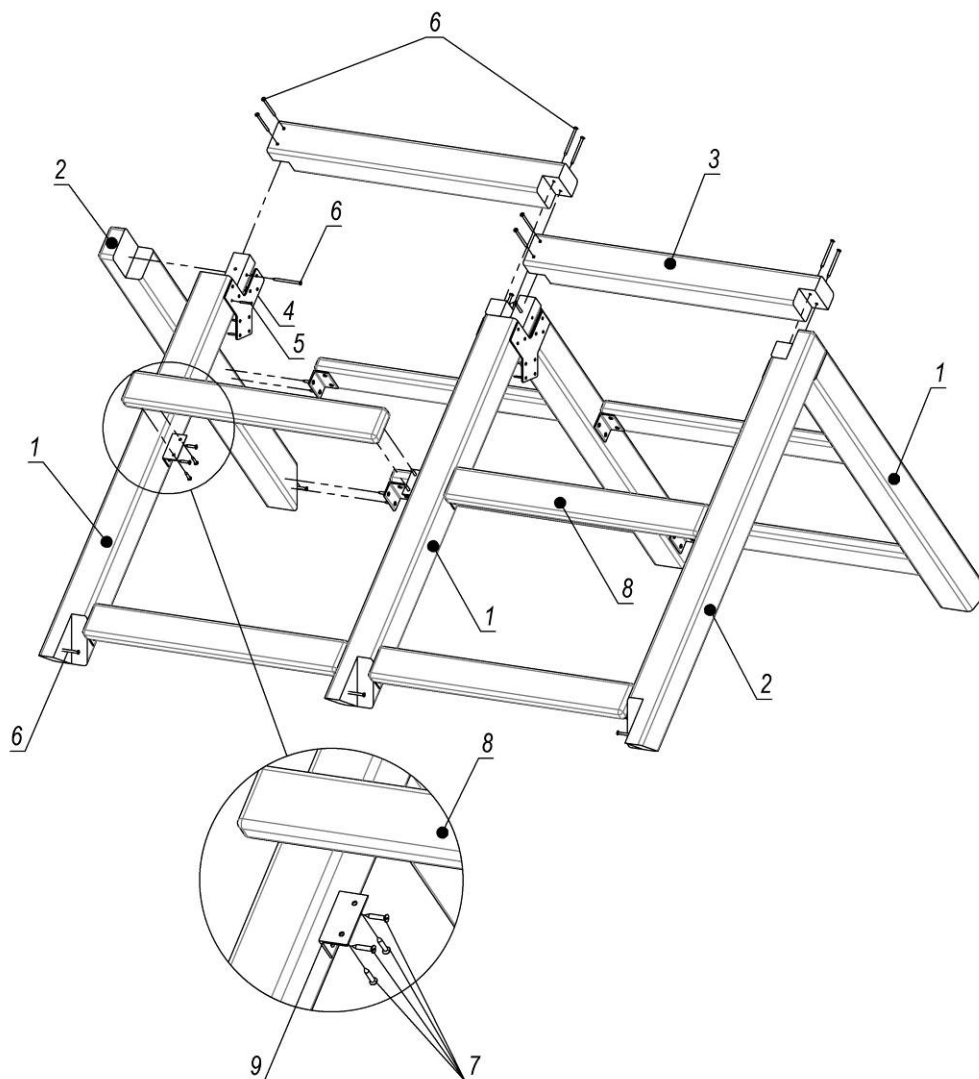
Picture 14 – Assembly scheme of fence-mesh

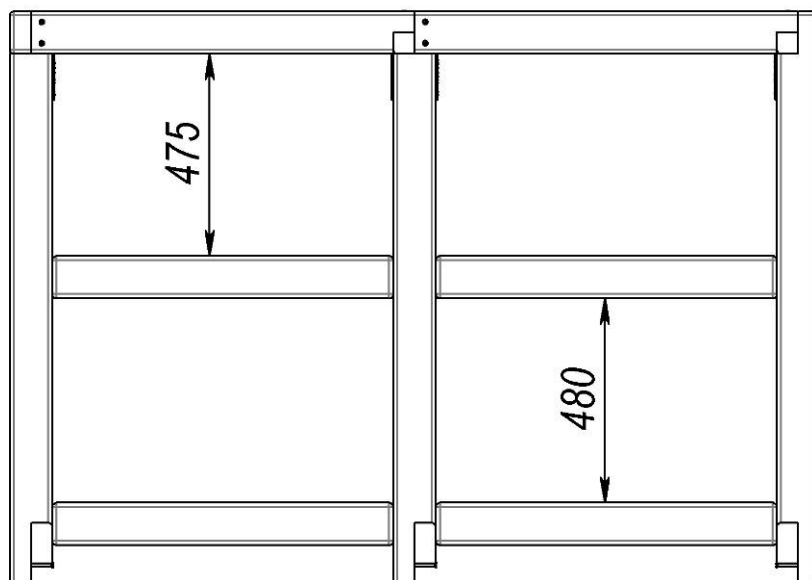


Picture 15 – Assembly scheme of panels with clock

Table №2 – Completeness of panel with clock

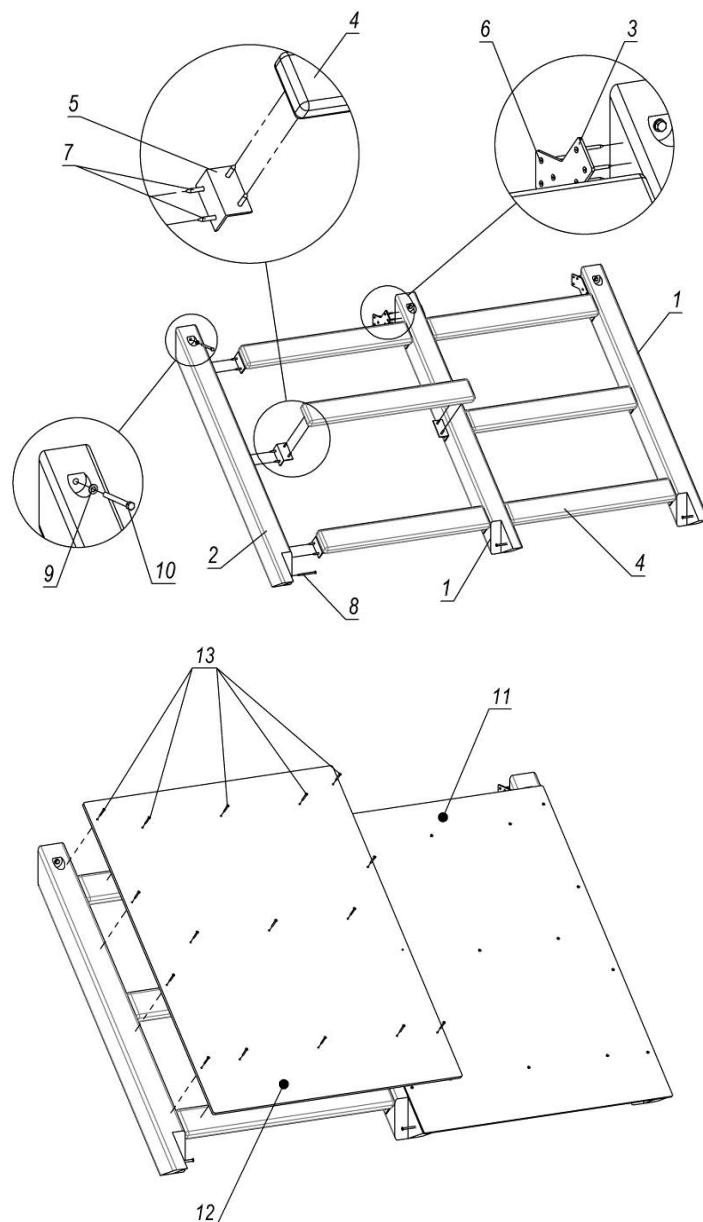
<i>Pos.</i>	<i>Name</i>	<i>Weight, kg</i>	<i>Q-ty</i>
<i>1</i>	<i>Lower panel</i>	<i>3</i>	<i>1</i>
<i>2</i>	<i>Upper panel with clouds</i>	<i>6</i>	<i>1</i>
<i>3</i>	<i>Cover plate "Clock"</i>	<i>3</i>	<i>1</i>
<i>4</i>	<i>Transparent panel (0.94x1.48)</i>	<i>15</i>	<i>1</i>
<i>5</i>	<i>Corner bracket 40x60</i>		<i>2</i>
<i>6</i>	<i>Cup M8</i>		<i>4</i>
<i>7</i>	<i>Cap M8</i>		<i>4</i>
<i>8</i>	<i>Stud M8x25 ISO7380</i>		<i>1</i>
<i>9</i>	<i>Stud M8x25 ISO7380</i>		<i>9</i>
<i>10</i>	<i>Stud M8x35 ISO7380</i>		<i>1</i>
<i>11</i>	<i>Bolt M8*45 GOST7798</i>		<i>1</i>
<i>12</i>	<i>Cap nut M8 DIN1587</i>		<i>9</i>
<i>13</i>	<i>Washer 8 GOST11371</i>		<i>10</i>
<i>14</i>	<i>Washer 6 GOST6958</i>		<i>2</i>
<i>15</i>	<i>Washer 10 GOST11371</i>		<i>4</i>
<i>16</i>	<i>Washer 10 GOST6958</i>		<i>1</i>
<i>17</i>	<i>Nut M8 GOST5915</i>		<i>3</i>
<i>18</i>	<i>Screw 4x40 GOST1145</i>		<i>4</i>
<i>19</i>	<i>Screw 6.0x60 SPAX T-STAR plus with press washer (univers.)</i>		<i>11</i>





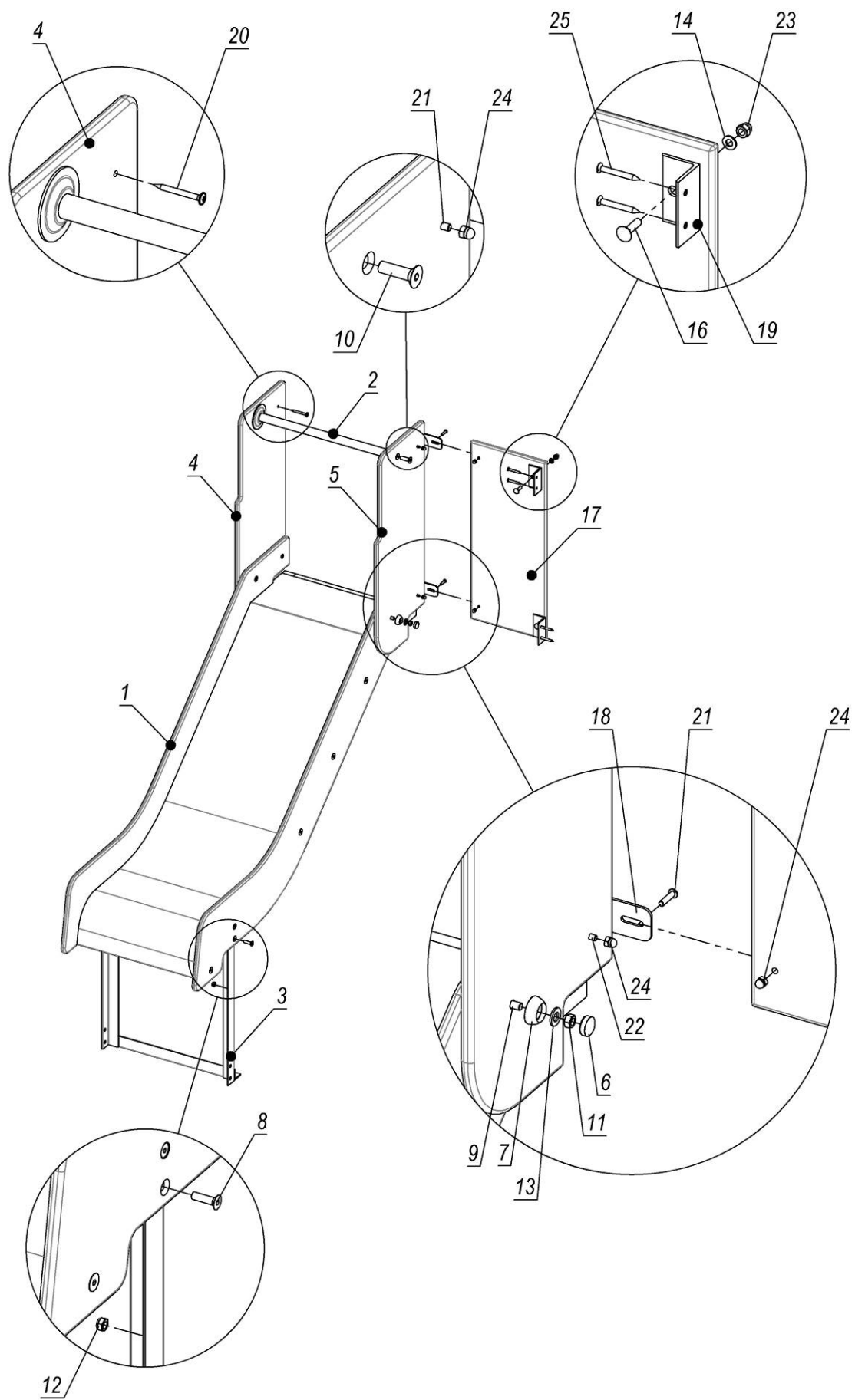
<i>Pos.</i>	<i>Name</i>	<i>Weight, kg</i>	<i>Q-ty</i>
1	Rear pediment	7	4
2	Front pediment	7	2
3	Ridge (100x100x900)	5	2
4	Two-sided angle bar		4
5	Screw 4x40 GOST1145		40
6	Screw 6x90 GOST1145		18
7	Screw 6x35 GOST1145		64
8	Support	2	8
9	Angle bar 80 mm		16
10	Roof slope (950x1400)	14	2
11	Roof slope (950x1400)	14	2
12	Screw 4x40 GOST1144		64

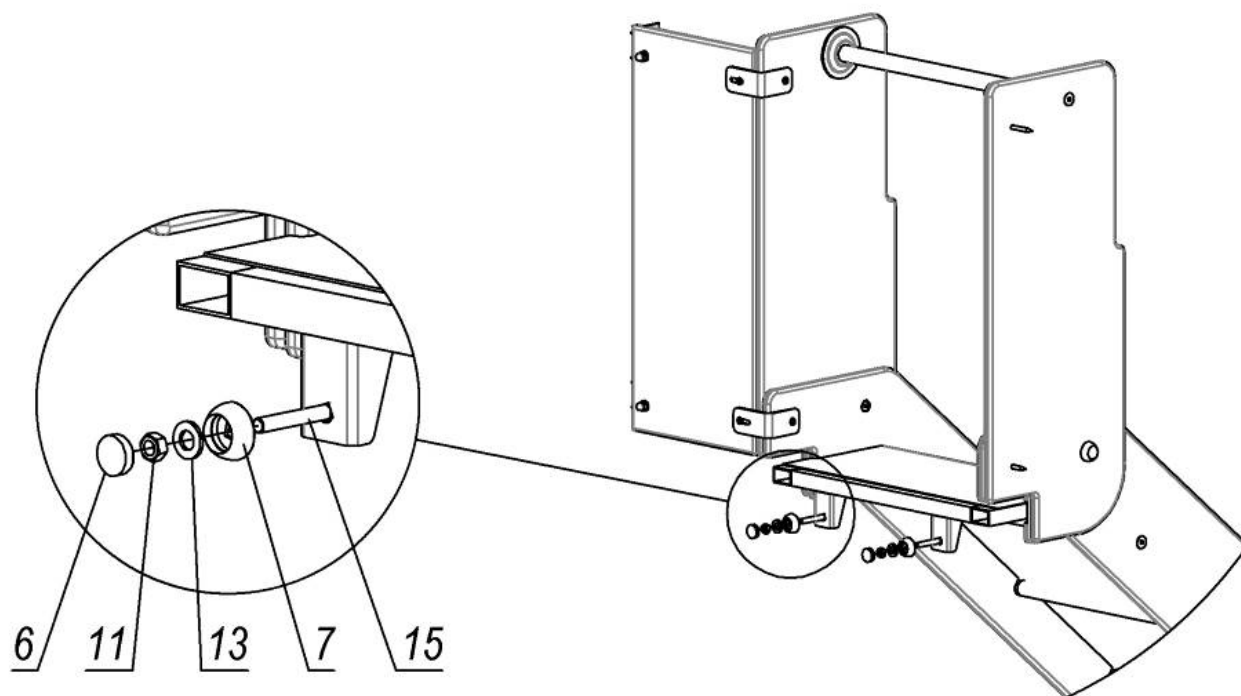
Picture 16 – Assembly scheme of big roof



<i>Pos.</i>	<i>Name</i>	<i>Weight, kg</i>	<i>Q-ty</i>
1	Right pediment	7	2
2	Left pediment	7	1
3	One-sided angle bar		4
4	Support	2	6
5	Angle bar 80 mm		12
6	Screw 4x40 GOST1145		24
7	Screw 6x35 GOST1145		48
8	Screw 6x90 GOST1145		3
9	Washer 8 GOST11371		3
10	Screw 8x90 GOST11473		3
11	Roof slope (950x1220)	7	1
12	Roof slope (950x1220)	13	1
13	Screw 4x40 GOST1144		34

Picture 17 – Roof assembly scheme

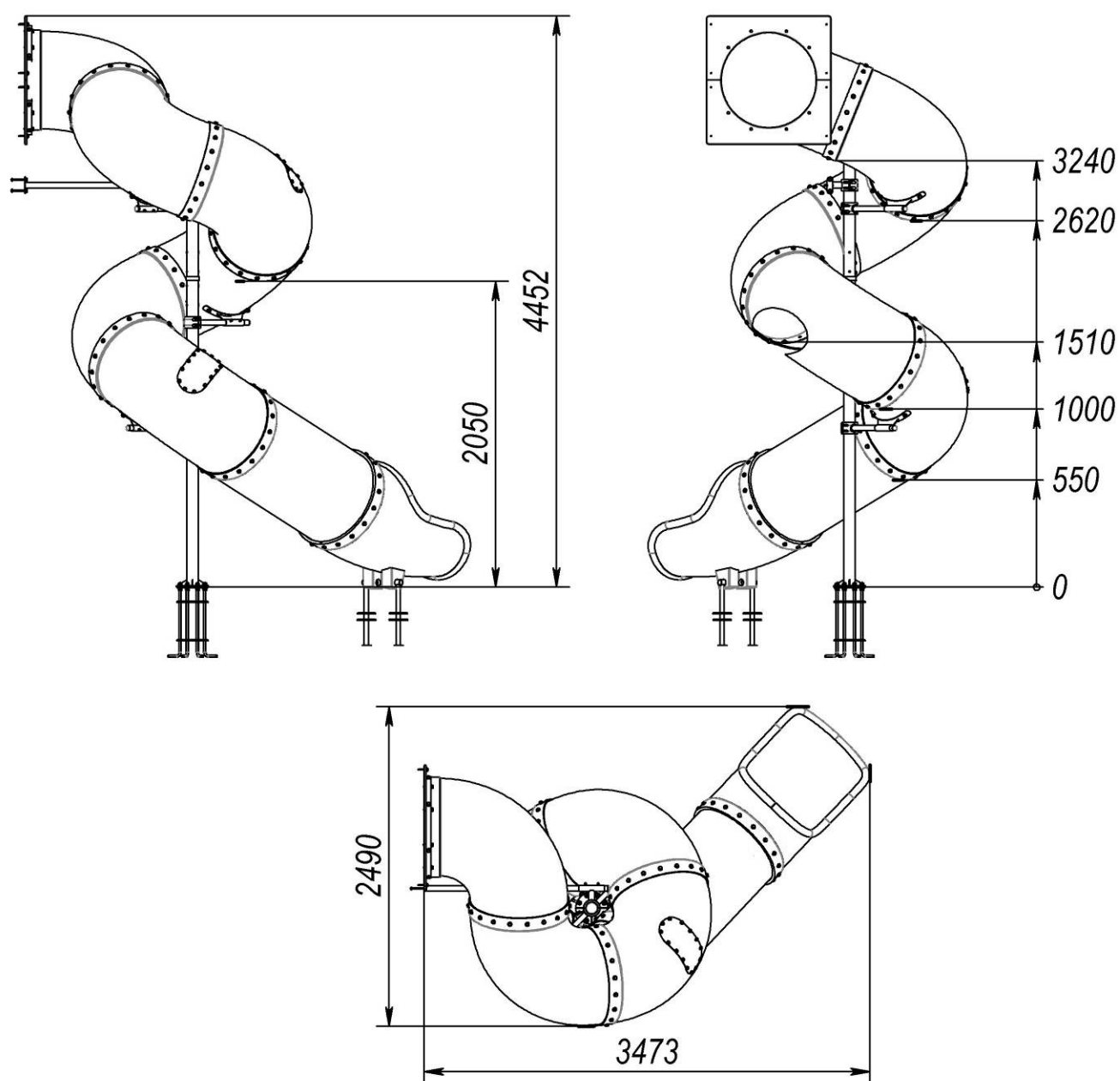




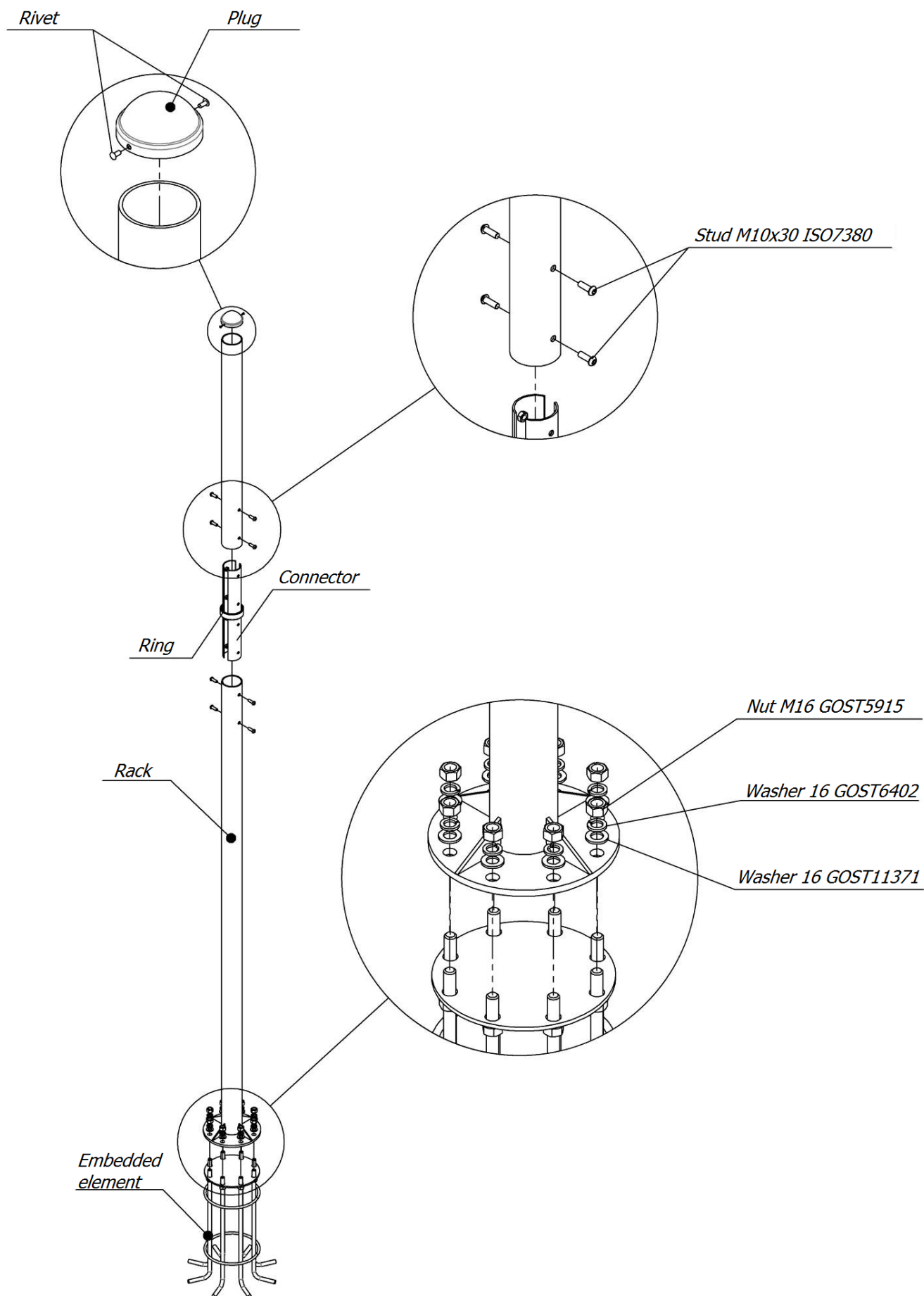
Pos.	Name	Weight, kg	Q-ty
1	Slide 0.7 m	21	1
2	Brace rod 493 mm	1	1
3	Slide embedded element (angle bar)	5	1
4	Upper right sidewall	3	1
5	Upper right sidewall	3	1
6	Cap M8		4
7	Cup M8		4
8	Stud M8x30 DIN7991		4
9	Stud M8x40 DIN7991		2
10	Stud M10x35 DIN7991		2
11	Nut M8 GOST5915		4
12	Nut M8 DIN985		4
13	Washer 10 GOST11371		4
14	Washer 8 GOST11371		2
15	Bolt M8*55 GOST7802		2
16	Bolt M8*30 GOST7802		2
17	Partition (275x650)	3	1
18	Slide angle bar		2
19	Big angle bar		2
20	Screw 6.0x60 SPAX T-STAR plus with press washer (univers.)		2
21	Stud M6x25 ISO7380		3
22	Stud M6x40 ISO7380		1
23	Cap nut M8 DIN1587		2
24	Cap nut M6 DIN1587		4
25	Screw 6x50 GOST1145		4

Picture 18 – Assembly scheme of slide 0,7m

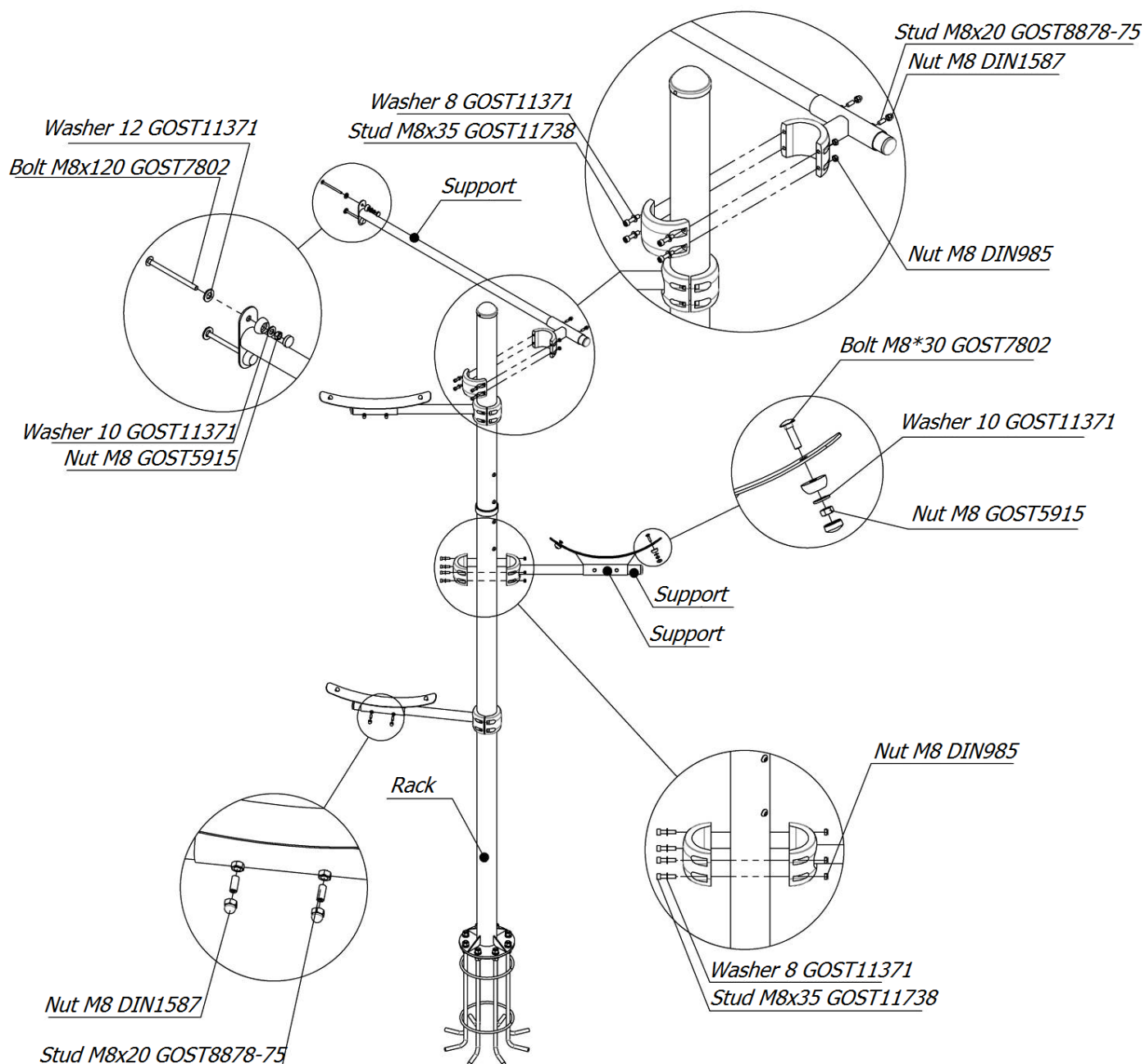
Assembly scheme of spiral ladder



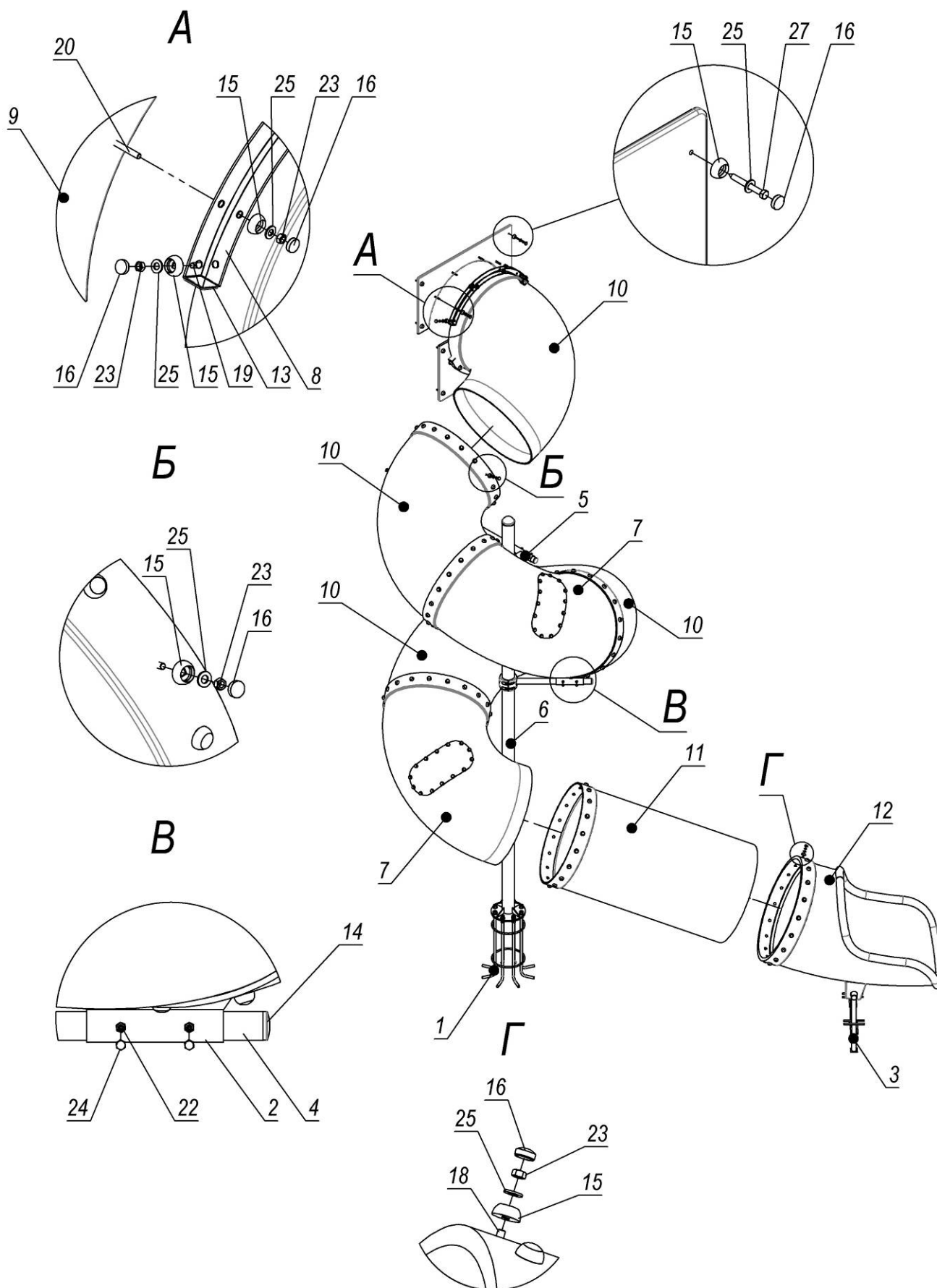
Picture 19 – Overall dimensions



Picture 20 – Rack assembly scheme



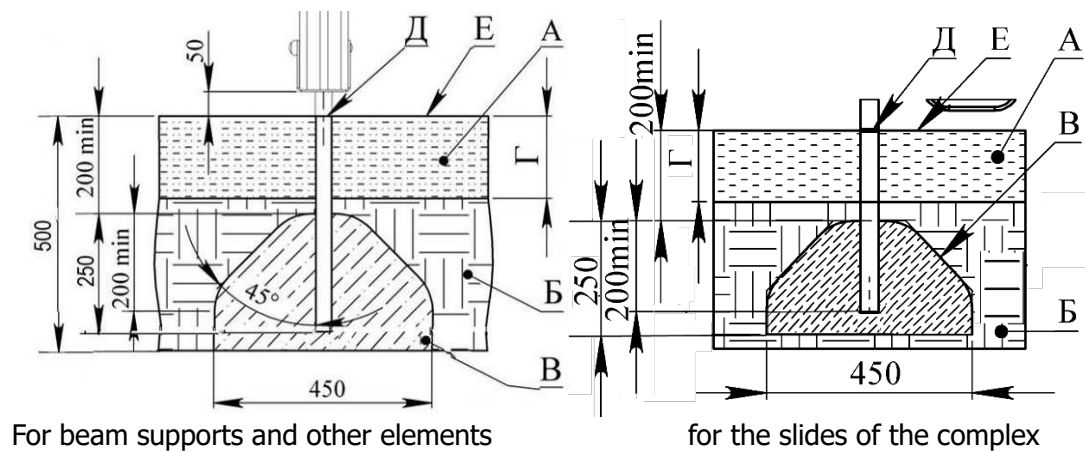
Picture 21 – Connecting scheme of supports



Picture 22 – Connecting scheme of tubes

Table 3 – Completeness of spiral slide

<i>Pos.</i>	<i>Name</i>	<i>Weight, kg</i>	<i>Q-ty</i>
1	Foundation (8 anchors assembly)	12	1
2	Support	1	3
3	Embedded element (slide-tube)	2	2
4	Support assembly	6	3
5	Support assembly	9	1
6	Rack 4.0m	36	1
7	Section with window assembly	23	2
8	Tunnel half-clamp	2	2
9	Entrance	4	2
10	Tube turn 760		4
11	Straight tube 760	30	1
12	Tube whistle 760	49	1
13	Plug 40x40		4
14	Plug DN32R		4
15	Cup M8		158
16	Cap M8		158
17	Bolt M8*30 GOST7802		114
18	Bolt M8*45 GOST7802		18
19	Bolt M8*60 GOST7802		12
20	Bolt M8*65 GOST7802		8
21	Bolt M8*120 GOST7802		2
22	Stud 8x20 GOST8878-93		6
23	Nut M8 GOST5915		150
24	Cap nut M8 DIN1587		6
25	Washer 10 GOST11371		158
26	Washer 12 GOST11371		2
27	Screw 8x70 GOST11473		8



A - shock-absorbing coating;

Б – soil;

В – concrete;

Γ - depth of the shock absorbing coating;

Д - product level plane;

Е – game surface.

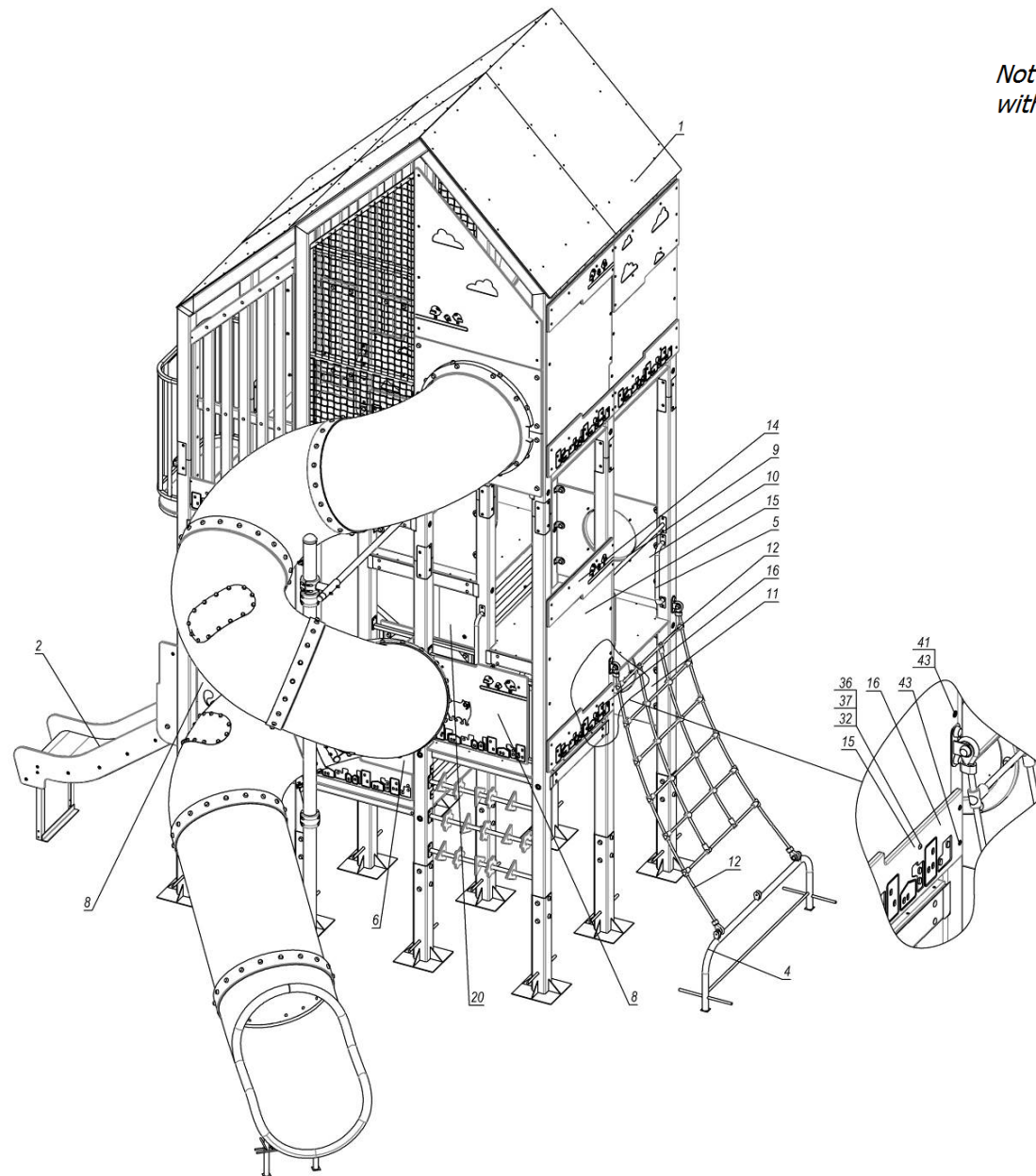
Examples of impact-absorbing coatings

Material¹	Description	Minimal depth, mm	Height of fall, mm
Turf			≤1000
Tree bark	grain size 20-80 mm	200	≤2000
		300	≤3000
Sawdust	grain size 5-30 mm	200	≤2000
		300	≤3000
Sand ²	grain size 0,2-2 mm	200	≤2000
		300	≤3000
Gravel ²	grain size 2-8 mm	200	≤2000
		300	≤3000
Another material	HIC tested according to EN1177	According to the test	According to the test
1. Materials specially prepared for playgrounds. 2. There should not be any clay inclusions. The grain size is obtained by sieving through a sieve as in EN933-1.			

Picture 23 – Concreting scheme

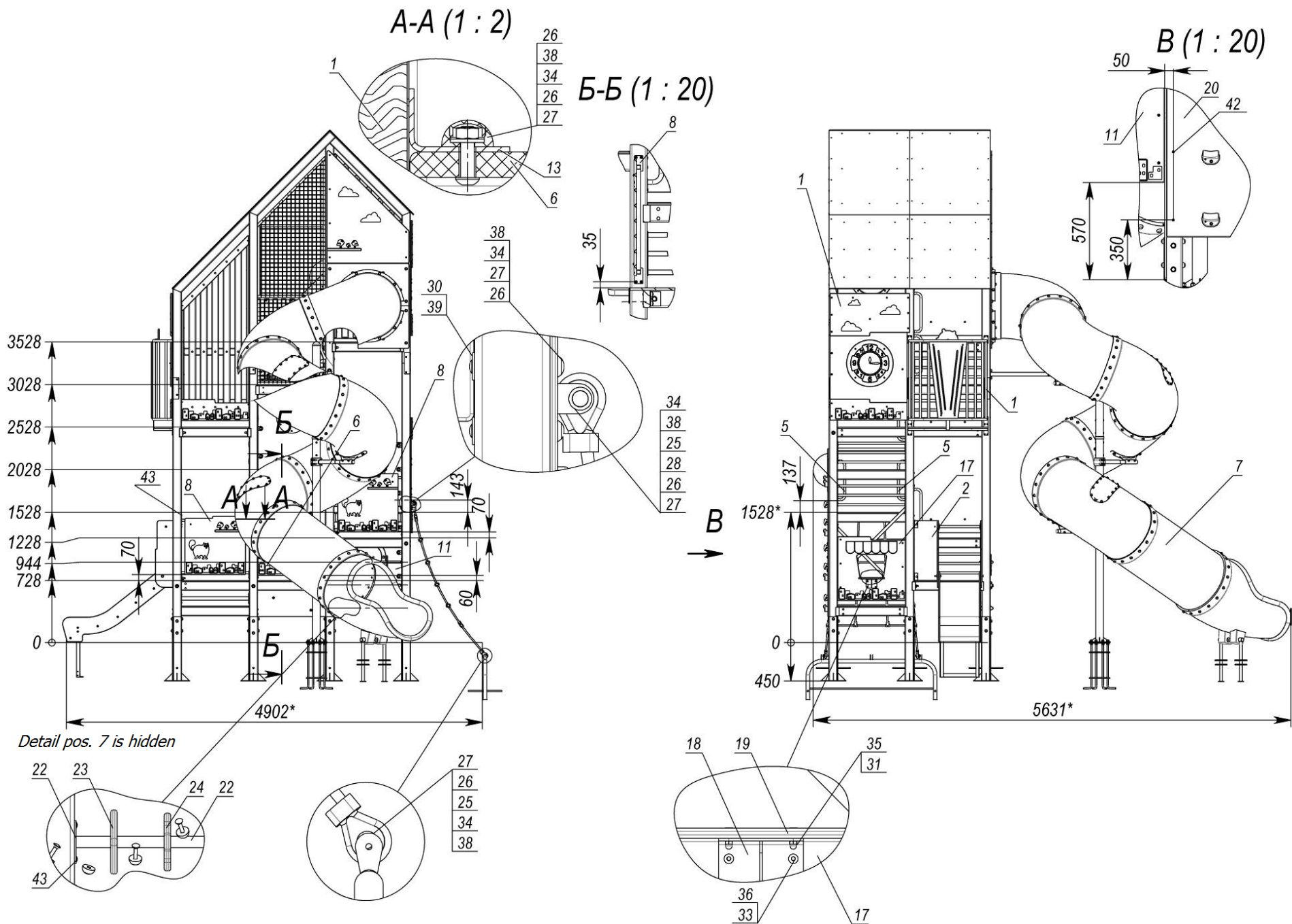
Appendix

Not mentioned fastenings to elements of the complex – with help of pos. 43.



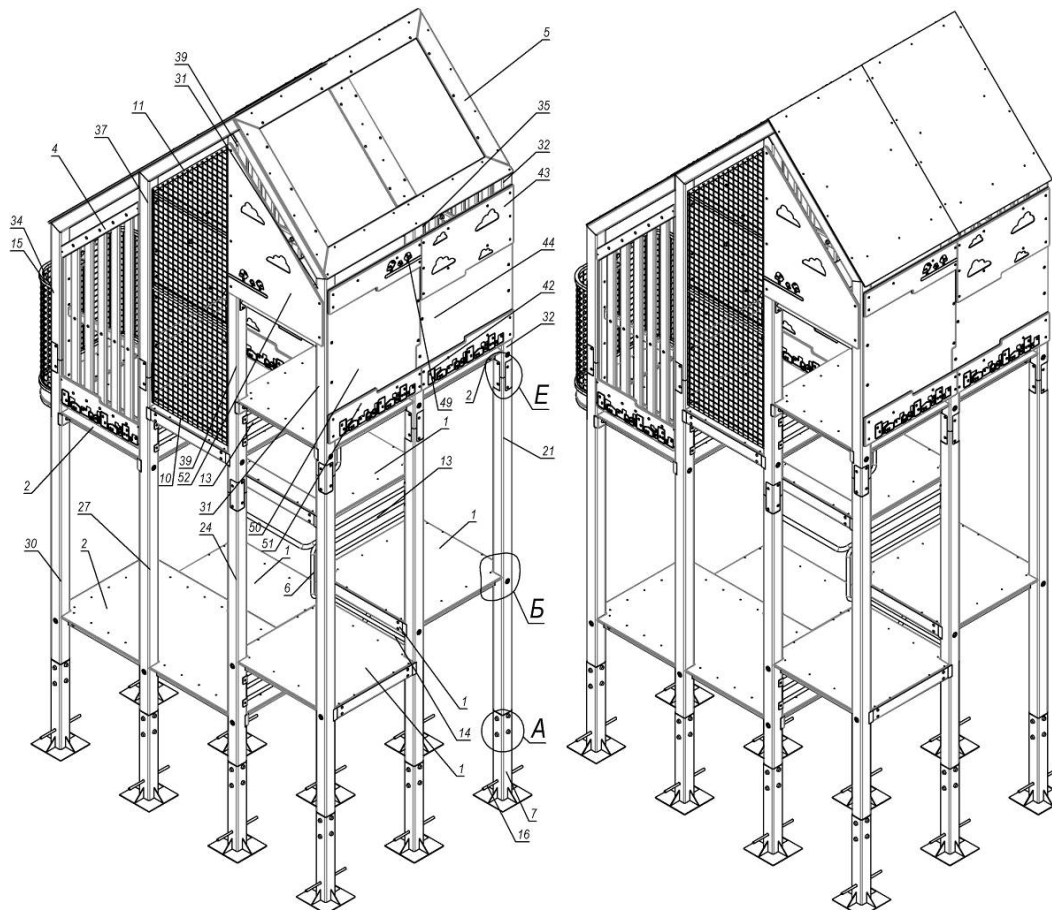
Pos.	Name	Weight, kg	Q-ty
1	Multi-level tower (2x3m)	1237	1
2	Slide 0.7m assembly	40	1
3	Rope bracket		2
4	Rope ascent embedded element	10	1
5	Handle		2
6	Panel with clouds	13	1
7	Slide Ukhimplast (3.5m)	319	1
8	Fence-plastic 0.8m	13	3
9	Brace rod 0.8m	1	2
10	Panel with porthole	10	1
11	Vertical labyrinth	10	1
12	Rope ladder 1.5m	5	1
13	Corner bracket 40x60		25
14	Upper panel Birds	3	1
15	Panel (0.94x1.35)	14	1
16	Lower panel	3	1
17	Panel "Showcase" (0.75m)	7	1
18	Showcase angle bar		2
19	Table with numbers		1
20	Climber's wall	31	1
21	Counting frame adapter		3
22	Counting frame crossbar	1	3
23	Triangular		8
24	Flower		7
25	Tube d12x1.5 GOST10704, L=22mm		4
26	Cap M8		37
27	Cup M8		37
28	Bolt M8*45 GOST7798		4
29	Bolt M8*45 GOST7802		2
30	Bolt M8*120 GOST7802		4
31	Stud M6x25 DIN7991		8
32	Stud M8x35 ISO7380		4
33	Stud M8x30 ISO7380		27
34	Nut M8 GOST5915		33
35	Cap nut M6 DIN1587		8
36	Cap nut M8 DIN1587		8
37	Washer 8 GOST11371		4
38	Washer 10 GOST11371		35
39	Washer 12 GOST6958		4
40	Screw 4x40 GOST1145		50
41	Washer 6 GOST6958		4
42	Screw 6x70 GOST1145		10
43	Screw 6.0x60 SPAX T-STAR plus (univers.)		60

Picture 24



Picture 25

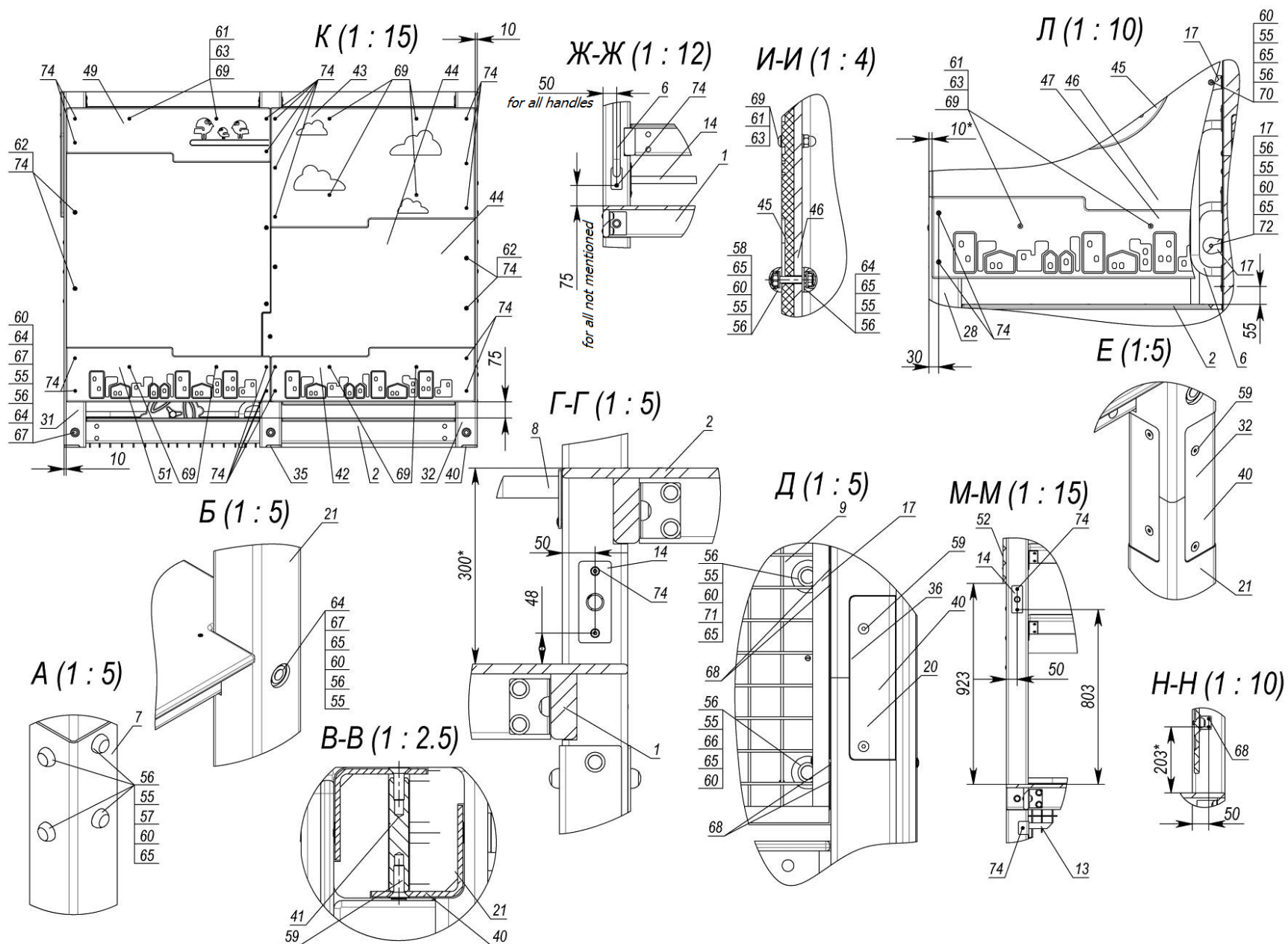
Multi-level tower



1. Fastening supports to beams - according to type A. Fastening platforms to beams - according to type B. Connecting beams to each other - according to type B.
2. All fastenings of elements to beams not specified - using pos. 75.
3. **Other sheets show model ДП9156.000.000-RC; model ДП9156.000.000-RC-120 has all the same characteristics, except for the colour scheme and a different roof.

Pos.	Name	Weight, kg	Q-ty	Pos.	Name	Weight, kg	Q-ty
1	Site 1x1 m	19	5	38	Beam 1.15m	11	1
2	Double site (1.9x1m)	35	3	39	Beam 3.18m	18	2
3	Wooden corner left fence	1	1	40	Angle bar	1	24
4	Wooden corner right fence	24	2	41	Brace rod D15x87 mm		48
5	Roof 2x3 m	192	1	42	Lower cover plate (0.25m)	3	1
6	Handle	5	5	43	Upper cover plate with clouds	7	1
7	Big tower support	12	12	44	Panel (0.94x1.35)	14	1
8	Spacer	3	2	45	Cover plate "Clock"	3	1
9	Panel with clouds	13	1	46	Transparent panel (0.94x1.48)	15	1
10	Fence-mesh (0.8x1)	10	2	47	Lower panel Misto	3	1
11	Fence-mesh	14	2	48	Upper panel with clouds	6	1
12	Big panel with porthole	14	1	49	Upper panel Birds	3	1
13	Coverings	5	5	50	Panel (0.94x1.35)	14	1
14	Brace rod 0.8m	1	3	51	Lower panel	3	1
15	Balcony (0.94x1.2m) with porthole	19	1	52	Coverings above the slide	12	1
16	Armature 16 L=400 DSTU3760		12	53	Panel "Labyrinth" (0.75m)	8	1
17	Corner bracket 40x60		23	54	Plug 25x40		4
18	Beam 3.2m (mortise 1.2)	19	1	55	Cap M8		159
19	Beam 3.2m (mortises 1.2/1.5)	19	1	56	Cup M8		159
20	Beam 3.2m (mortises 2/2.5)	19	1	57	Sprig M8 L=135		48
21	Beam 3.2m (mortise 1.5m)	19	1	58	Bolt M8*45 GOST7798		1
22	Beam 3.2m (5 mortises)	18	1	59	Stud M8x25 DIN7991		96
23	Beam 3.2m (mortises 1.5/2)	19	1	60	Nut M8 GOST5915		158
24	Beam 2.6m (mortises 0.7/1.2)	15	1	61	Cap nut M8 DIN1587		25
25	Beam 2.6m (4 mortises)	15	1	62	Washer 6 GOST6958		10
26	Beam 2.5m (mortise 3.5)	15	1	63	Washer 8 GOST11371		26
27	Beam 3.2m (mortises 0.7/2.5/3)	19	1	64	Washer 10 GOST6958		51
28	Beam 2.93m (mortise 0.4/2.5)	17	1	65	Washer 10 GOST11371		156
29	Beam 2.93m (mortises 0.4/0.7/2.5)	17	1	66	Bolt M8*45 GOST7802		2
30	Beam 2.93m (mortise 0.7/2.5)	17	1	67	Bolt M8*130 GOST7802		38
31	Beam 1875	10	1	68	Screw 4x40 GOST1145		46
32	Beam 1875	10	1	69	Stud M8x35 ISO7380		19
33	Beam 1.27m	7	1	70	Stud M8x25 ISO7380		1
34	Beam 1.27m	7	2	71	Stud M8x30 ISO7380		19
35	Beam 1875 (mortise 3.5m)	10	1	72	Stud M8x40 ISO7380		1
36	Beam 1875mm	11	1	73	Stud M8x60 ISO7380		6
37	Beam 1875mm	11	1	74	Screw 6.0x60 SPAX T-STAR plus with press washer (univers.)		174

Picture 26



Picture 28

