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PRODUCTION AND SALE OF SPORTS GOODS

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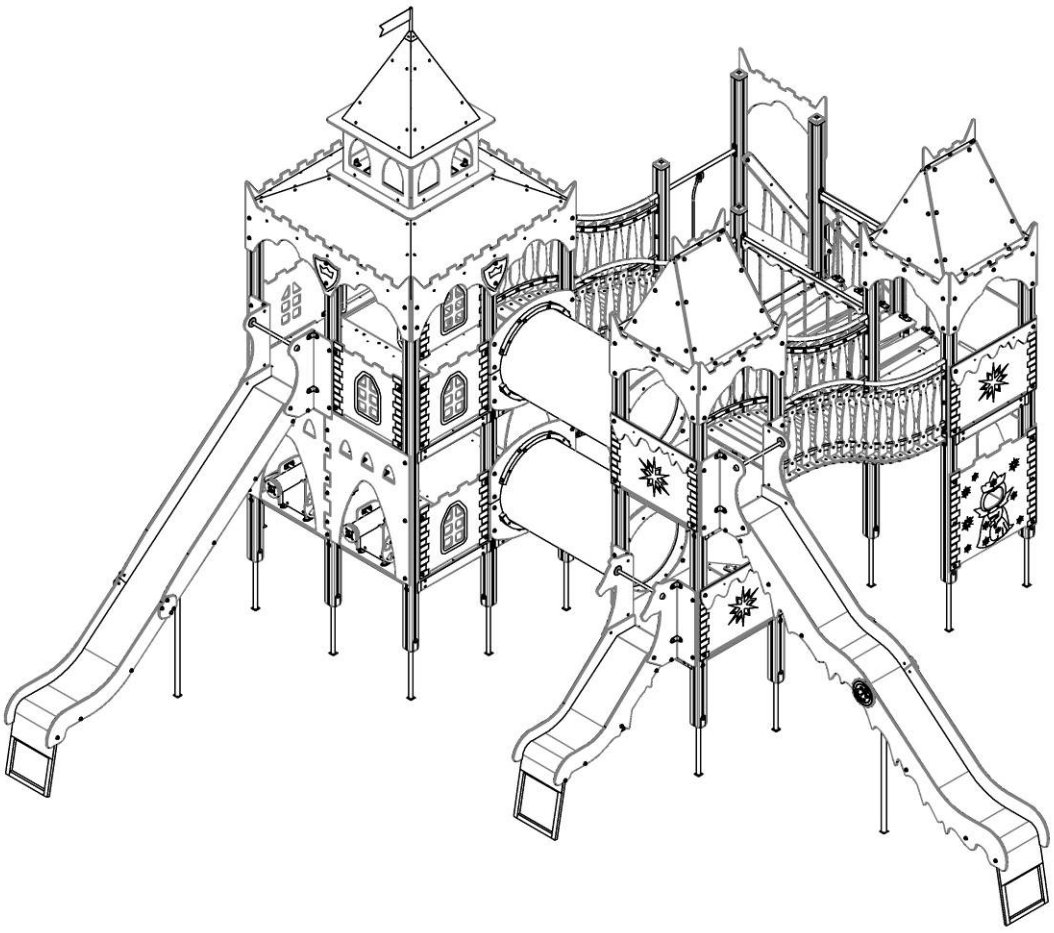
DATA SHEET

Playground complex "Fairytale mini" T923.2



CONTENT

FOR NOTES

1. GENERAL INFORMATION

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

Distribution of this document for product modifications. The manufacturer can make changes to the design of the product, aimed at improving its characteristics, changing the design, etc. This document may not contain a description of such changes, but applies to such modified products.

2. PROCEDURE FOR ASSEMBLING AND INSTALLING THE PRODUCT

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

Product assembly and installation procedure.

1) Mark the area as indicated on the layout of the playground foundations.
2) Excavate recesses to install embedded parts and attachment elements. Level the depth of the recesses by deepening them or sprinkling crushed stone.
3) Assemble and install the equipment in accordance with the assembly schemes – chapter 7.
4) Concrete the embedded parts and supporting structures of the attachment elements. During installation the product on sandy soil the overall dimensions of the recesses should be increased by 15-20%.
5) Arrange the impact-absorbing coating area.

3. PRODUCT USE

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

The product should not be used by users of a different age category.

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

Before using the product, clear the safety area from 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. INFORMATION ON STORAGE, TRANSPORT AND DISPOSAL

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	Signa-ture
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 damages.

Storage information

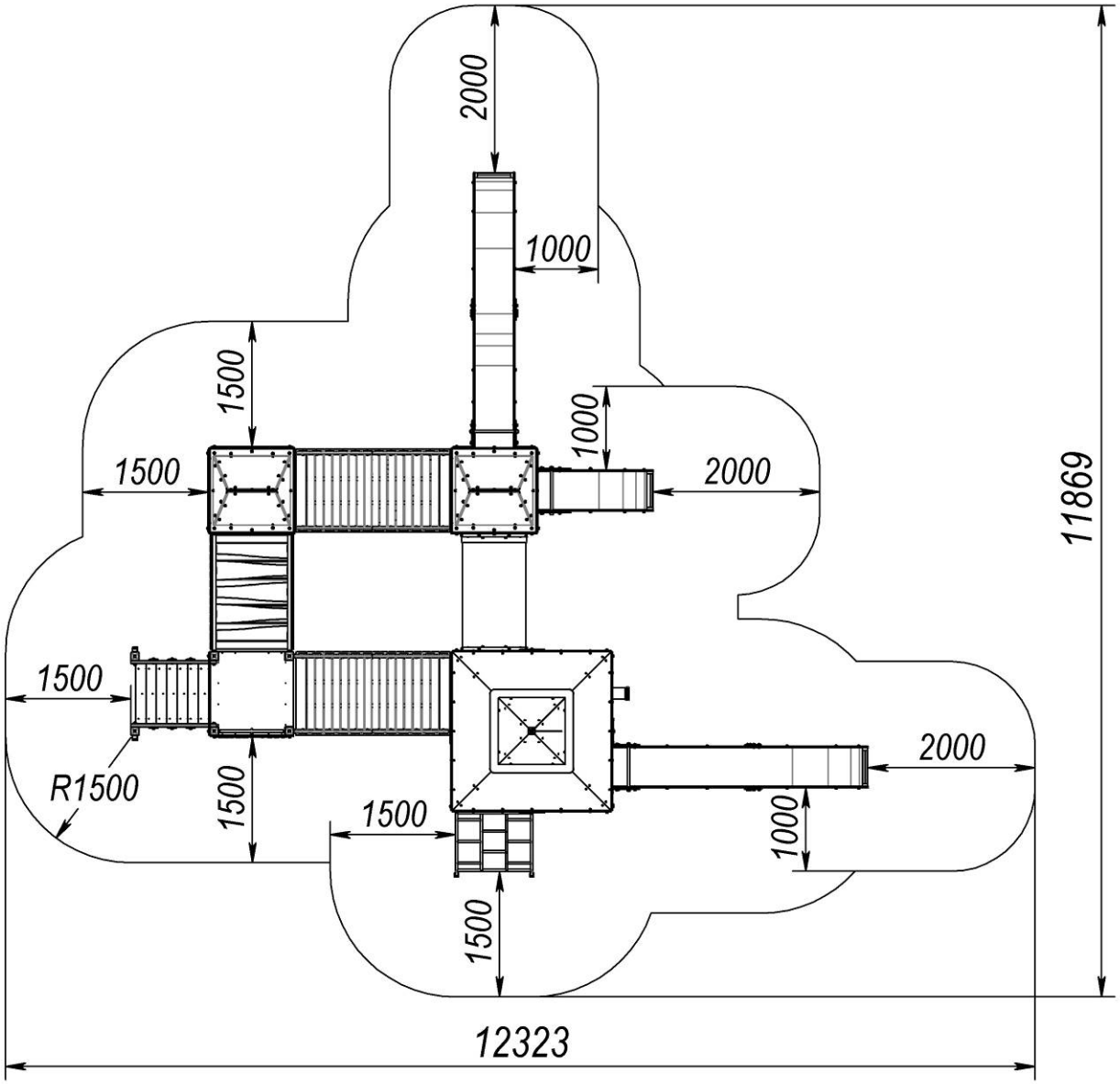
Date		Product storage conditions	Full name	Signature
Putting into storage	Removal from storage			

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.

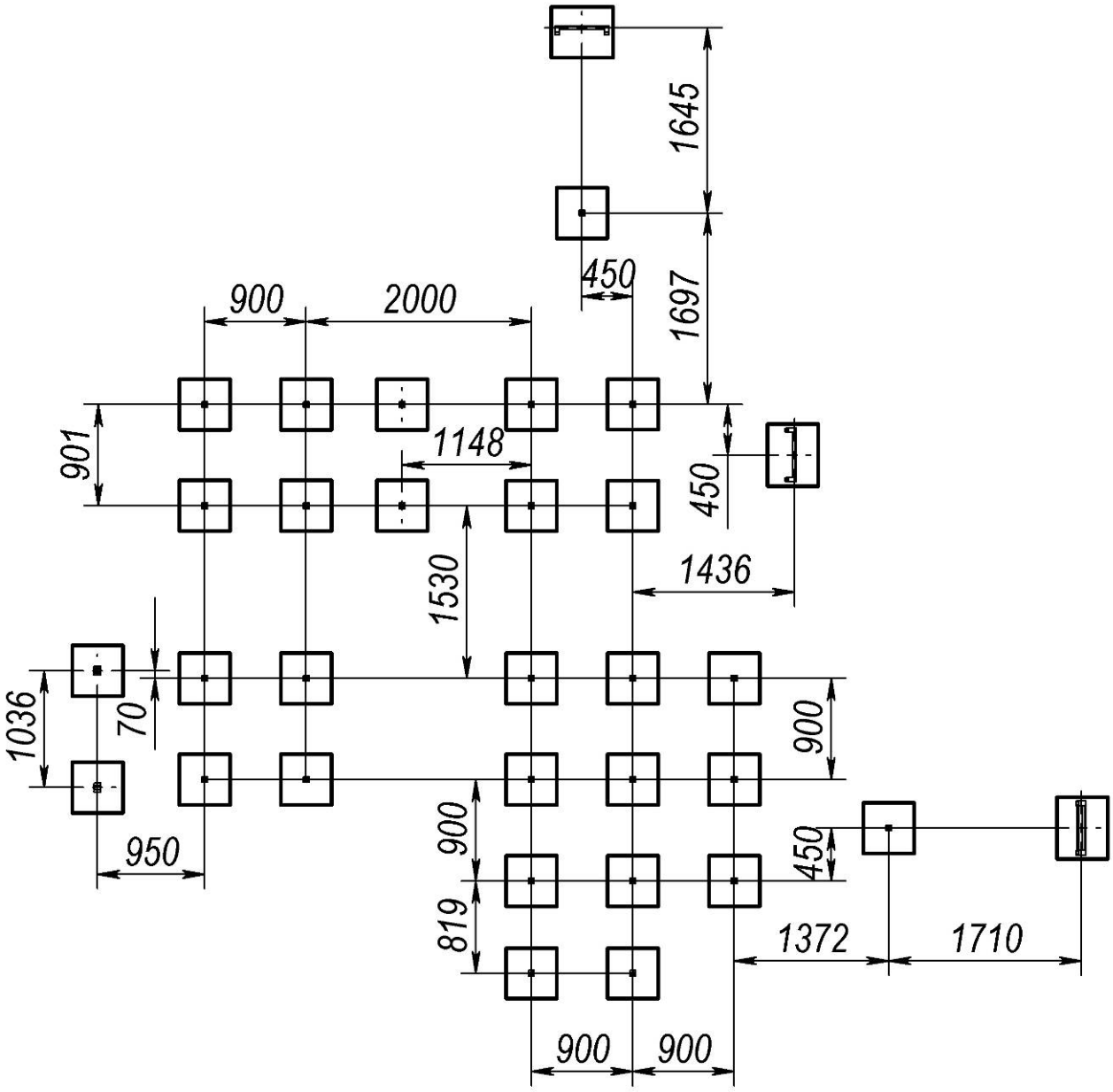
The equipment does not contain harmful impurities and materials that can harm your health and is not subject to special recycling.

6. TECHNICAL CHARACTERISTICS AND ASSEMBLY SCHEMES

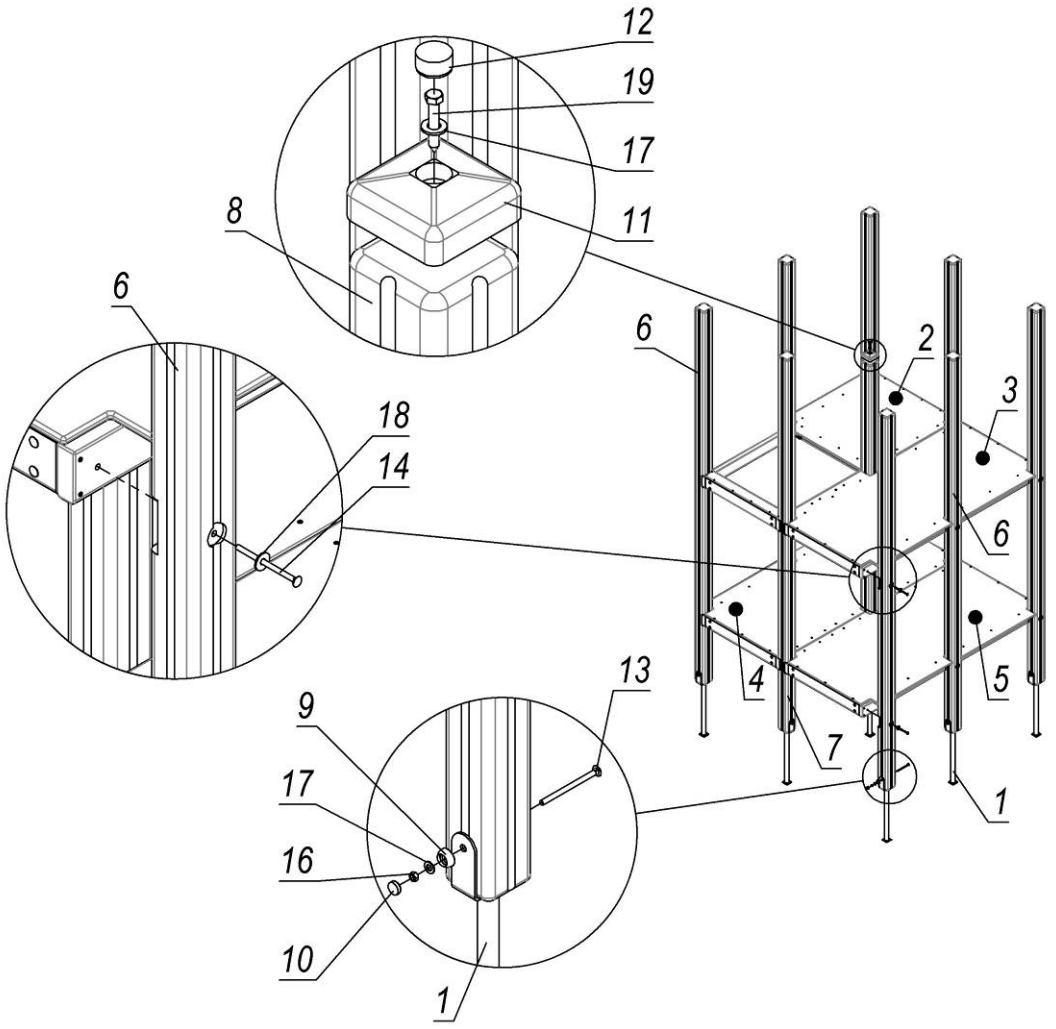
Length, mm	**8830**
Width, mm	**8438**
Height, mm	**5578**
Weight, kg	**1788**
Free height of fall, mm	**2029**
Age restrictions, years	**from 7 to 12**
Weight restrictions, kg	**Up to 60**



Picture 1 – Installation area and safety zone



Picture 2 – Concreting scheme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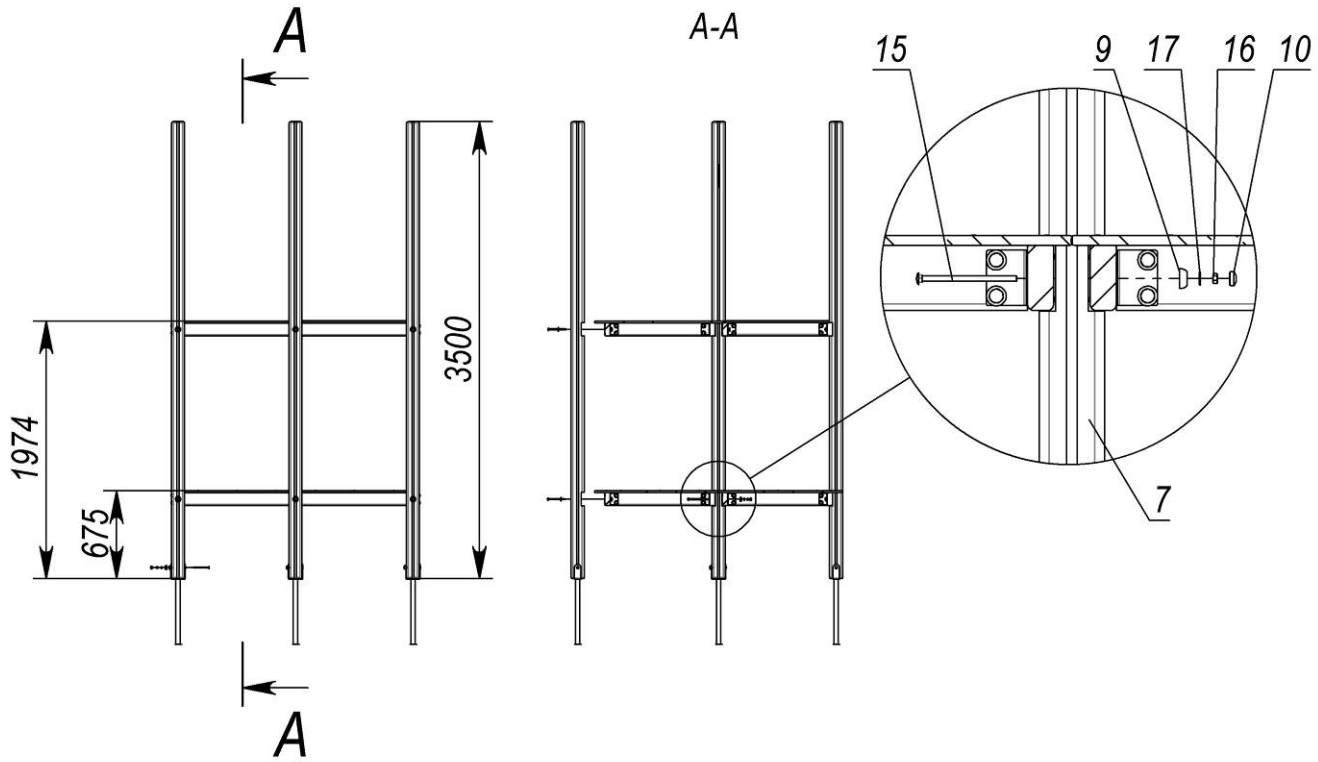
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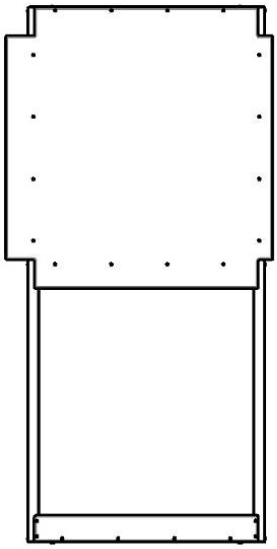
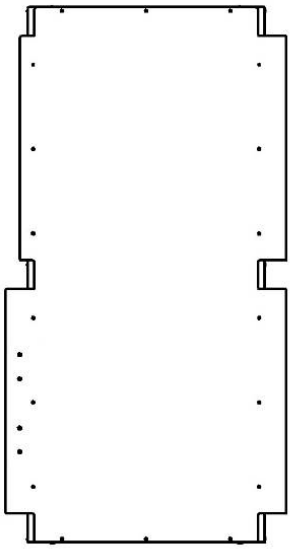
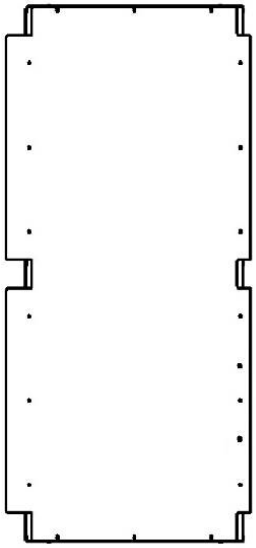


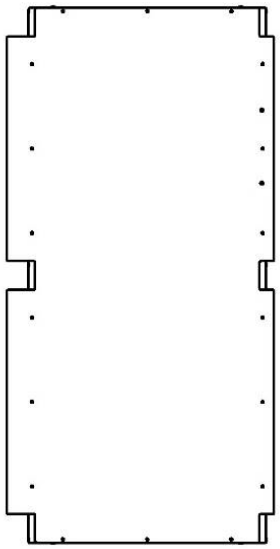
Pos. №2



Pos. №3



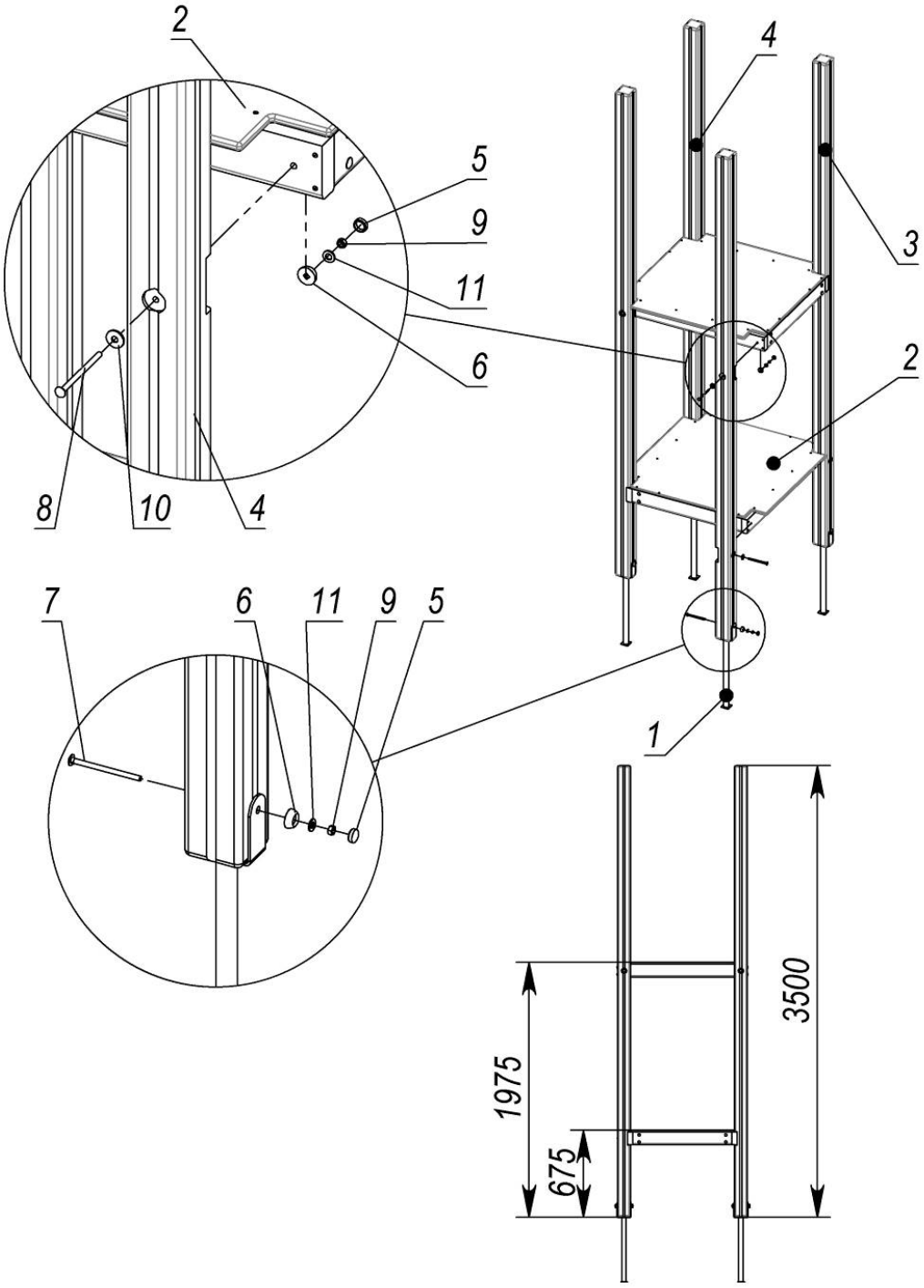
Pos. №4



Pos. №5

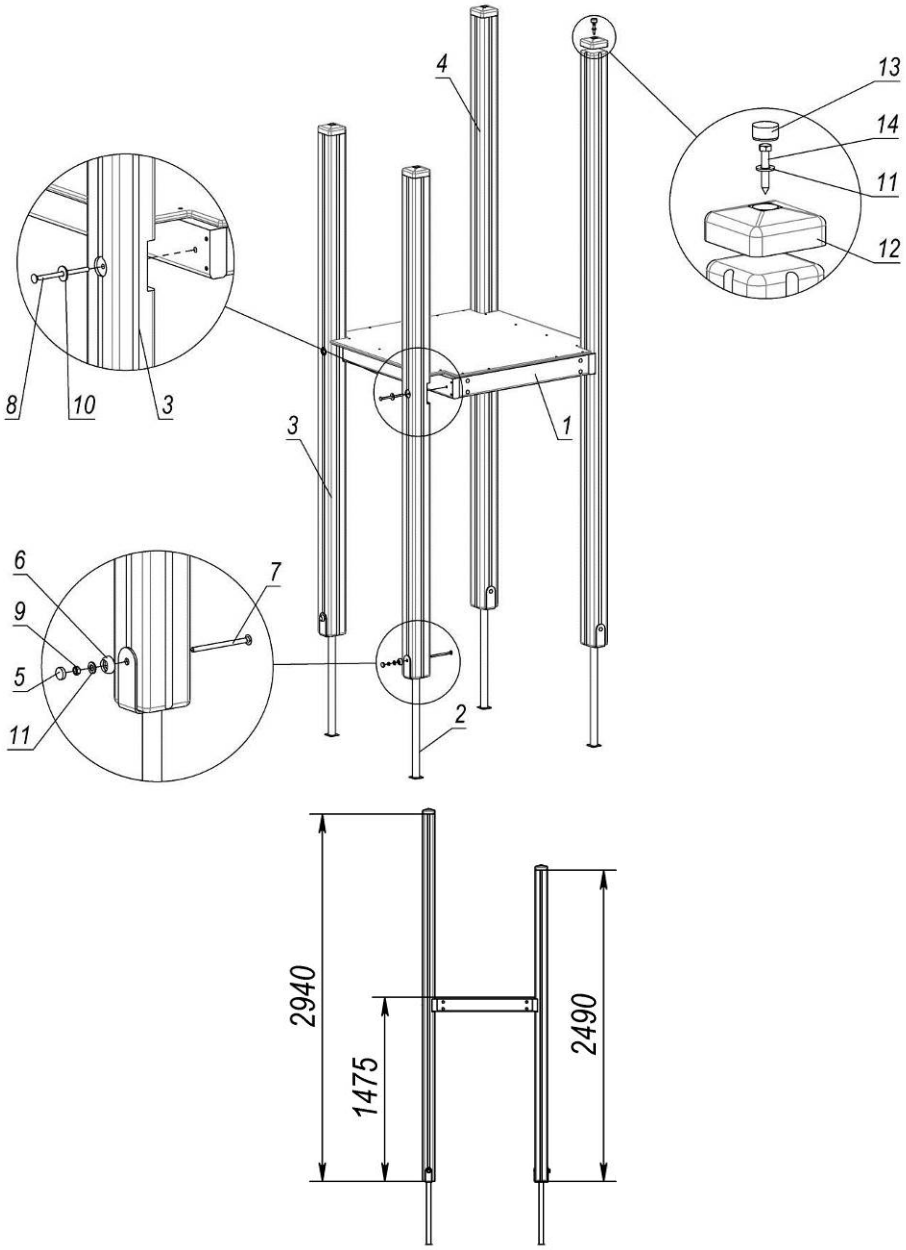
Pos.	Name	Weight, kg	Q-ty
1	Beam support	2	9
2	Double site with cut	25	1
3	Double site	34	1
4	Double site	34	1
5	Double site	34	1
6	Beam (3.5m)	20	6
7	Middle beam (3.5m)	20	2
8	Rack	17	1
9	Cup M8		27
10	Cap M8		27
11	Cap		1
12	Cap		1
13	Bolt M8x120 GOST7802		9
14	Bolt M8x130 GOST7802		12
15	Bolt M8x150 GOST7802		6
16	Nut M8 GOST5915		27
17	Washer 10 GOST11371		28
18	Washer 10 GOST6958		12
19	Screw 8x50 GOST11473		1

Picture 3 – Completeness and assembly scheme of double tower (1,9x1,9m) beam 3,5m



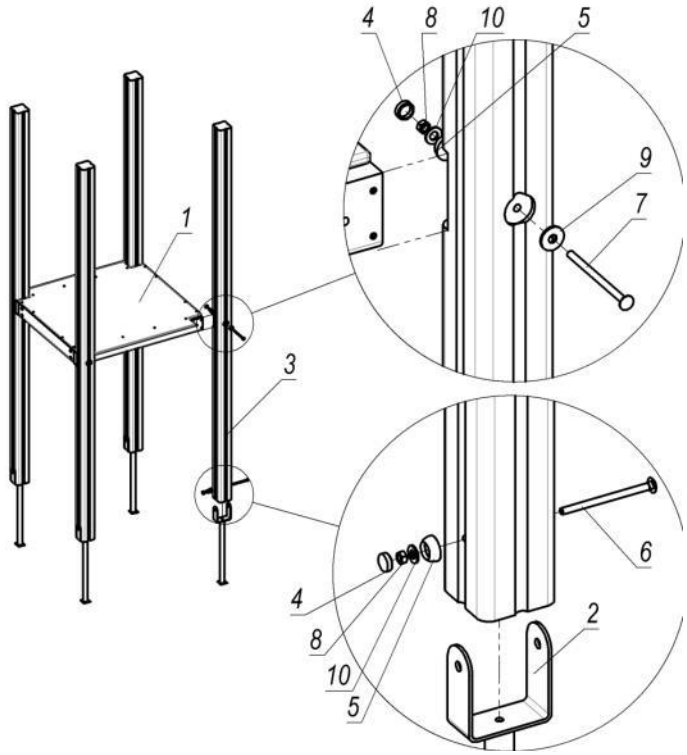
Pos.	Name	Weight, kg	Q-ty
1	Beam support	2	4
2	Site	19	2
3	Beam 3.5 m	11	2
4	Beam 3.5 m	20	2
5	Cap M8		12
6	Cup M8		12
7	Bolt M8x120 GOST7802		4
8	Bolt M8x130 GOST7802		8
9	Nut M8 GOST5915		12
10	Washer 10 GOST6958		8
11	Washer 10 GOST11371		12

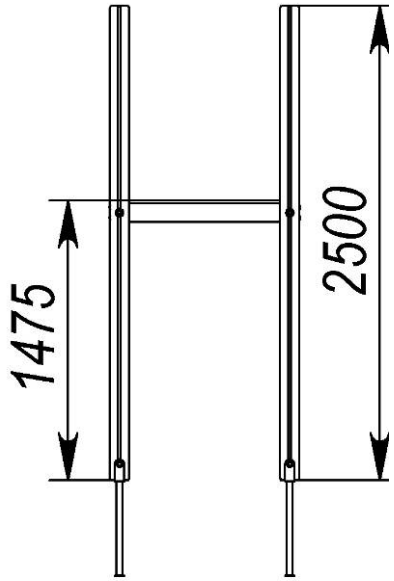
Picture 4 – Completeness and assembly scheme of tower 0,7x2m (beam 3,5m)



Pos.	Name	Weight, kg	Q-ty
1	Site	19	1
2	Beam support	2	4
3	Beam	15	2
4	Beam	17	2
5	Cap M8		8
6	Cup M8		8
7	Bolt M8x120 GOST7802		4
8	Bolt M8x130 GOST7802		4
9	Nut M8 GOST5915		8
10	Washer 10 GOST6958		4
11	Washer 10 GOST11371		12
12	Cap		4
13	Cap		4
14	Screw 8x50 GOST11473		4

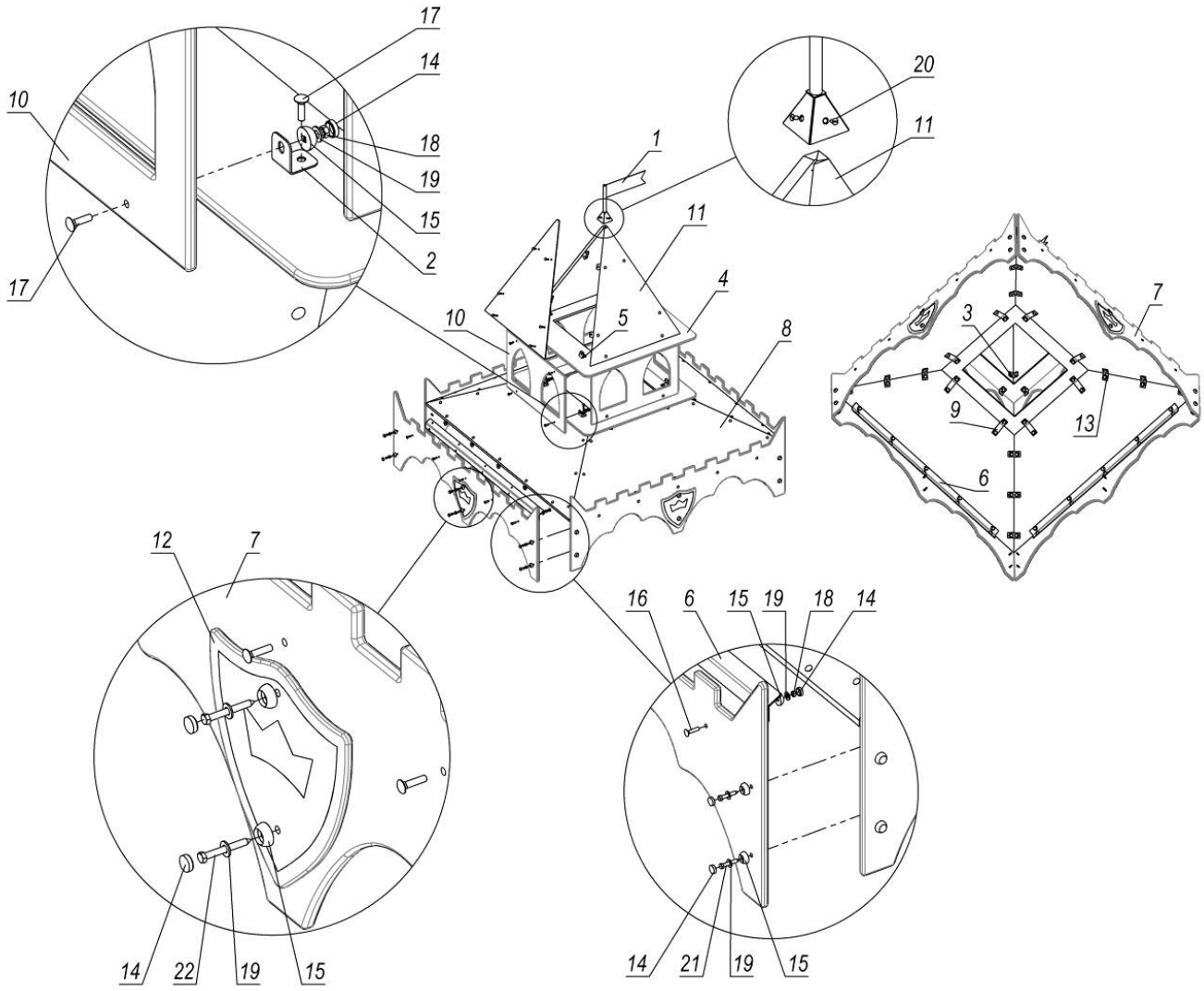
Picture 5 – Completeness and assembly scheme of tower (beam 2,5-2,95)





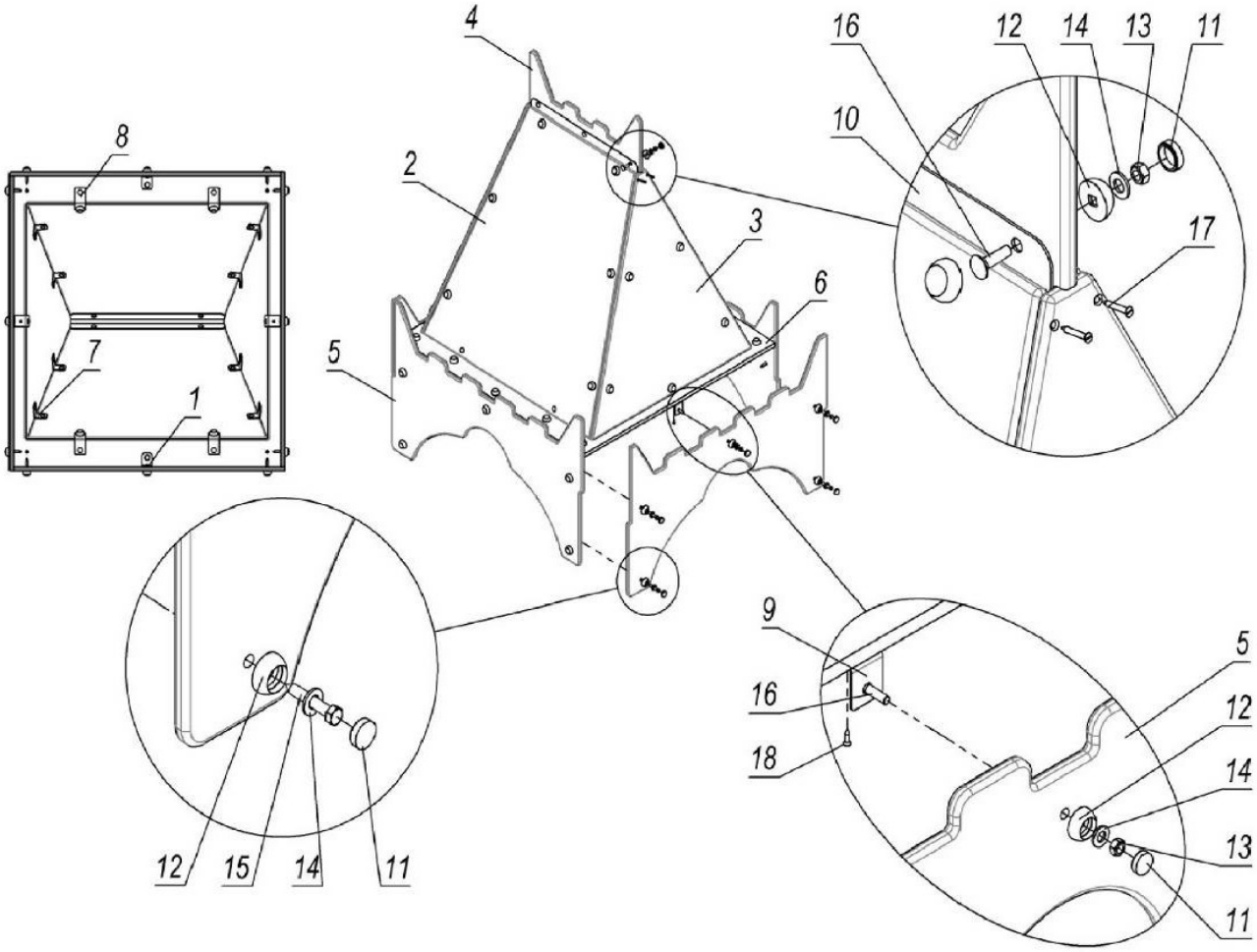
Pos.	Name	Weight, kg	Q-ty
1	Site	19	1
2	Beam support	2	4
3	Beam	17	4
4	Cap M8		8
5	Cup M8		8
6	Bolt M8x120 GOST7802		4
7	Bolt M8x130 GOST7802		4
8	Nut M8 GOST5915		8
9	Washer 10 GOST6958		4
10	Washer 10 GOST11371		8

Picture 6 – Completeness and assembly scheme of tower 1,5m



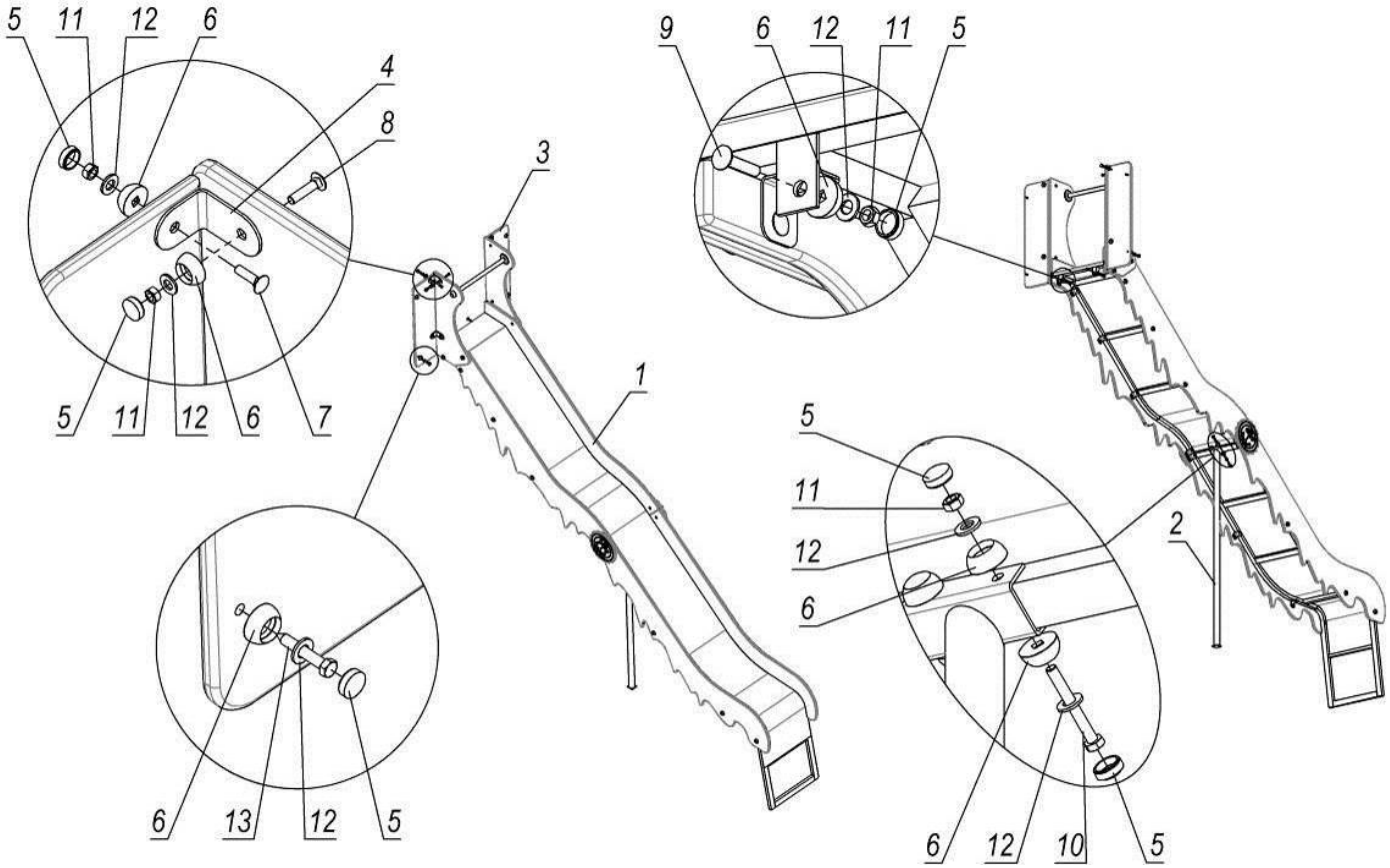
Pos.	Name	Weight, kg	Q-ty
1	Weathervane	1	1
2	Angle 45x45x40 (90 degrees)		16
3	Plate		8
4	Upper lap	8	2
5	Plate (angle 67 degrees)		8
6	Angle 120 degrees (1.5m)	3	4
7	Roof rim	9	4
8	Lower section	10	4
9	Roof angle (150 degrees)		8
10	Roof window	3	4
11	Upper section	4	4
12	Cover plate "Shield"		4
13	Plate (138 degrees)		12
14	Cap M8		152
15	Cup M8		152
16	Bolt M8x35 GOST7802		20
17	Bolt M8x30 GOST7802		108
18	Nut M8 GOST5915		128
19	Washer 10 GOST11371		152
20	Screw 6x20 GOST1145		4
21	Screw 8x50 GOST11473		16
22	Screw 8x70 GOST11473		8

Picture 7 – Assembly scheme of roof «Fairytale»



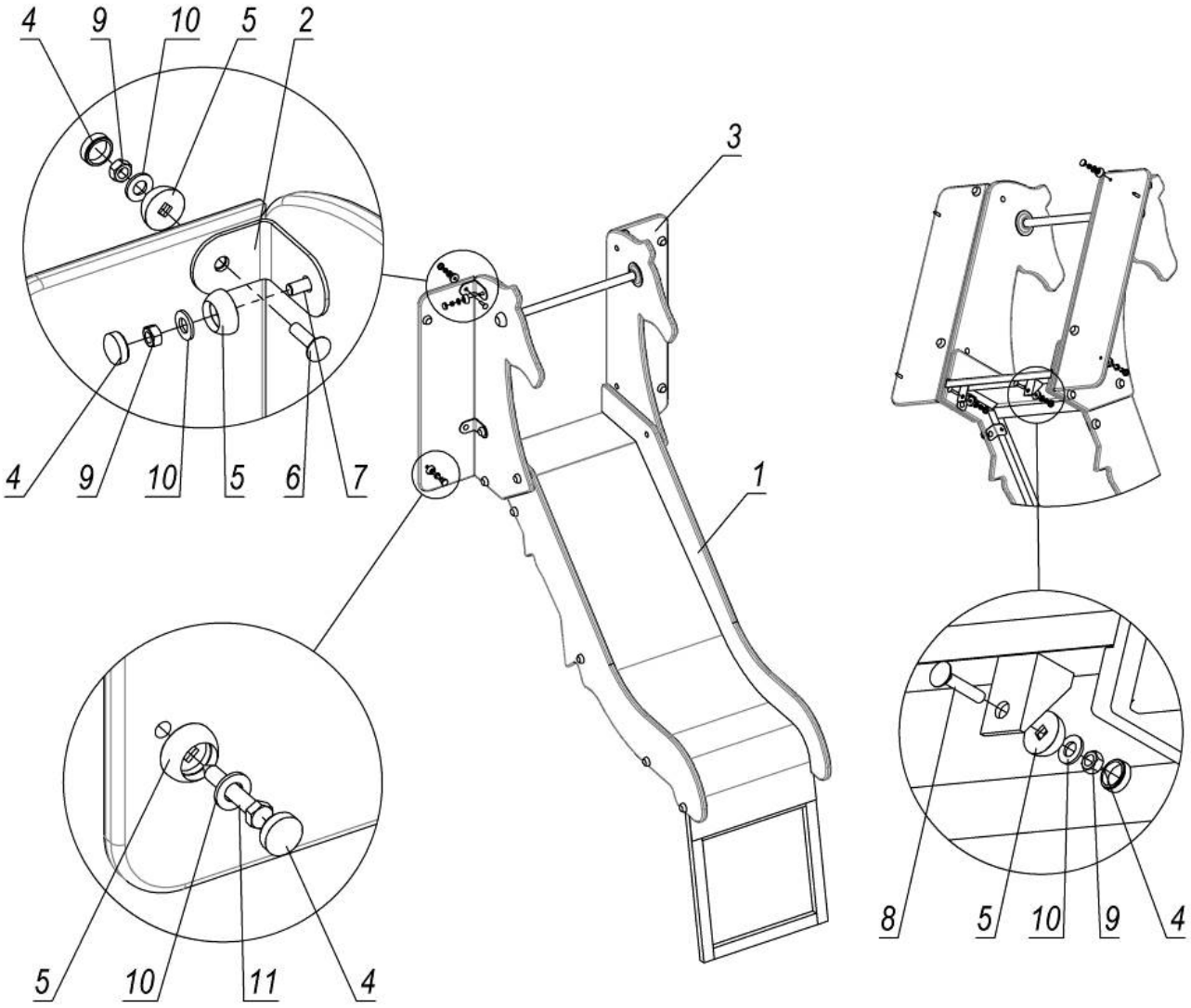
Pos.	Name	Weight, kg	Q-ty
1	Angle 45x45x40 (90 degrees)		2
2	Slope	8	2
3	Small slope	4	2
4	Roof plank		1
5	Roof rim	4	4
6	Roof partition	3	1
7	Plate		8
8	Plate		4
9	Plate		2
10	Angle bar		2
11	Cap M8		59
12	Cup M8		59
13	Nut M8 GOST5915		39
14	Washer 10 GOST11371		59
15	Screw 8x50 GOST11473		20
16	Bolt M8x30 GOST7802		39
17	Screw 4x30 GOST1145		4
18	Screw 4x16 GOST1145		2

Picture 8 – Assembly scheme of roof «Fairytale»



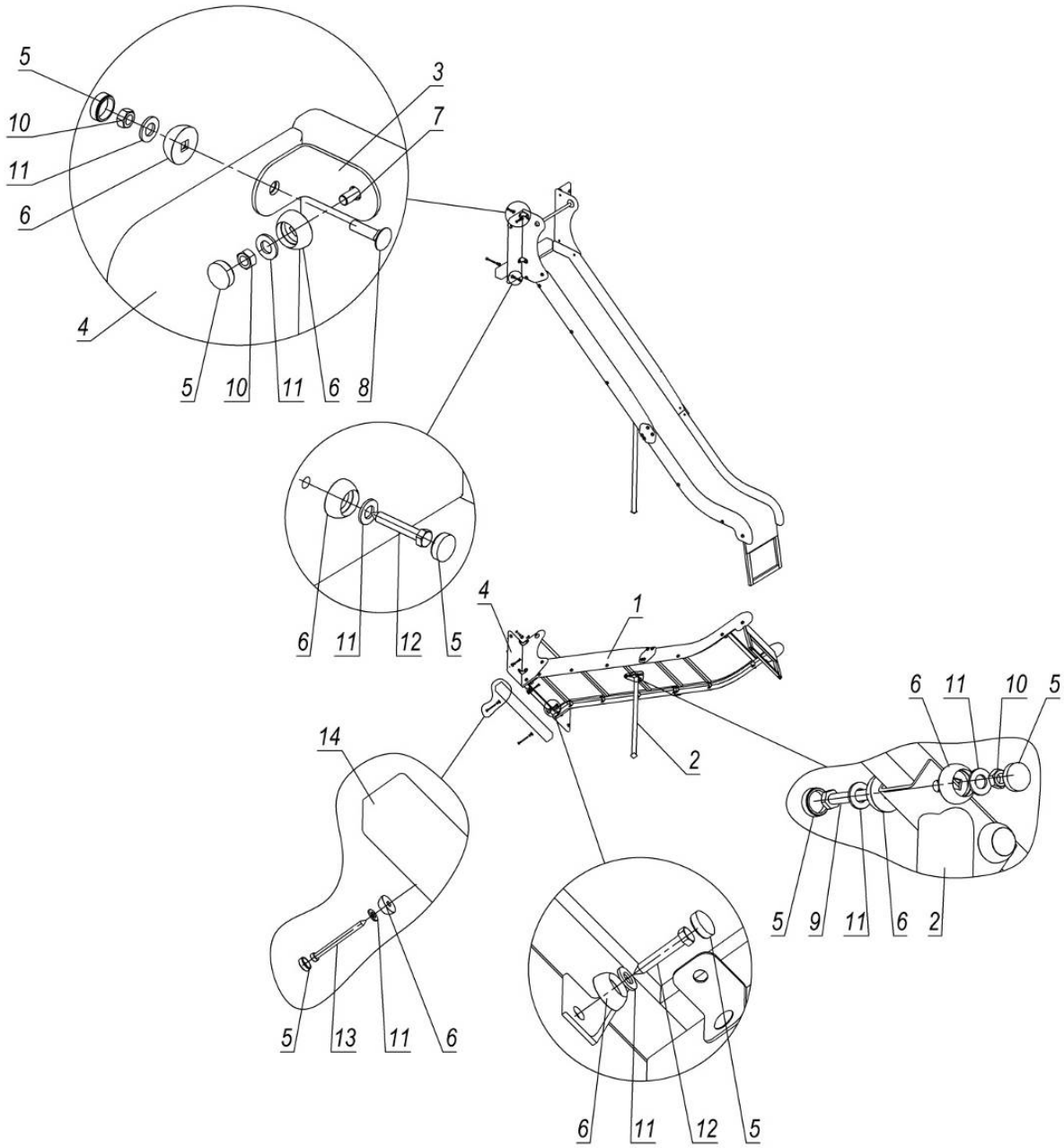
Pos.	Name	Weight, kg	Q-ty
1	Slide 2m "Fairytale"	82	1
2	Support for 2m slide	4	1
3	Fence (Blue)	2	2
4	Angle bar		4
5	Cap M8		18
6	Cup M8		18
7	Bolt M8x30 GOST7802		4
8	Bolt M8x35 GOST7802		4
9	Bolt M8x40 GOST7802		2
10	Bolt M8x65 GOST7798		2
11	Nut M8 GOST5915		12
12	Washer 10 GOST11371		18
13	Screw 8x50 GOST11473		4

Picture 9 – Assembly scheme of slide 2m



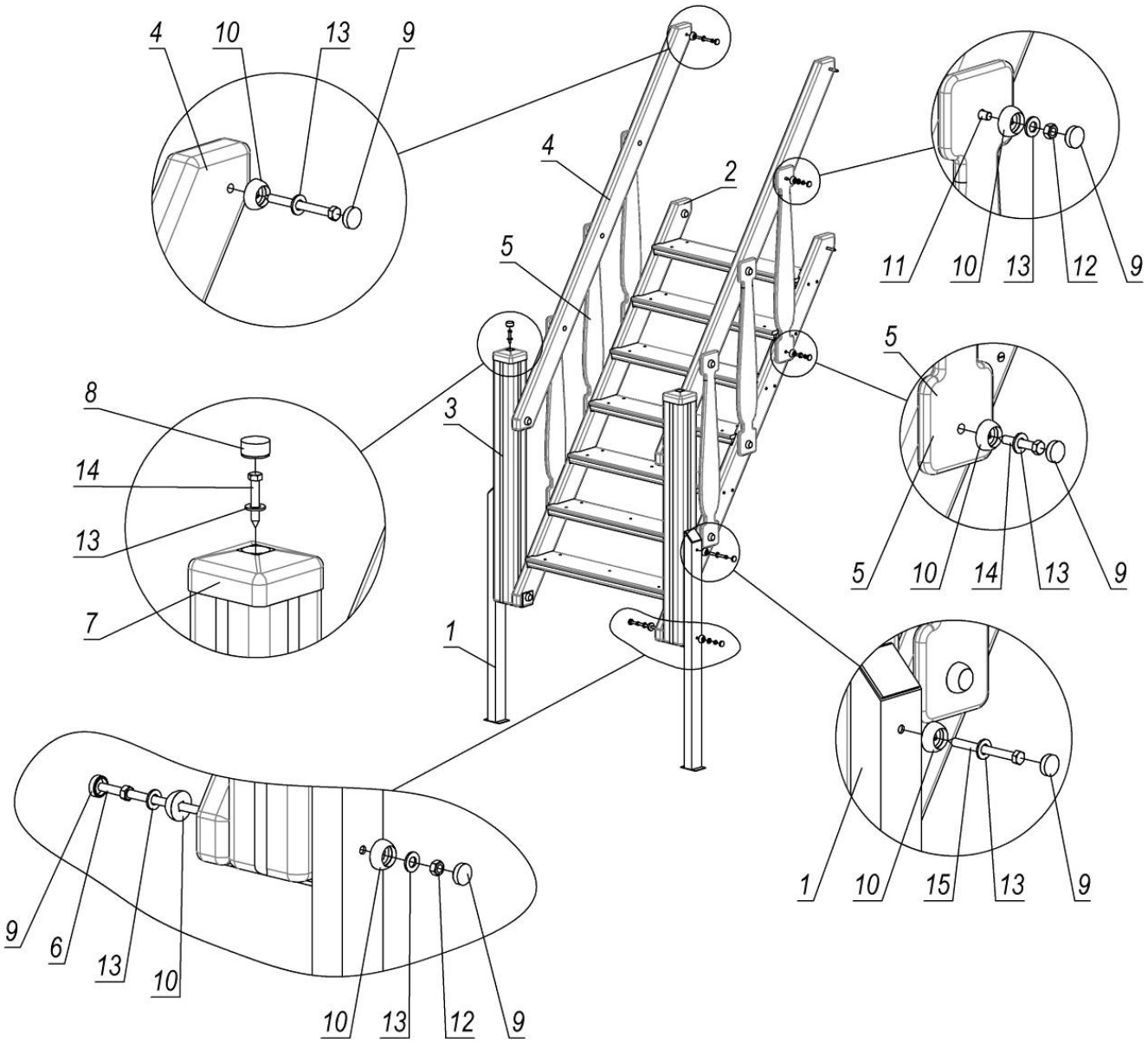
Pos.	Name	Weight, kg	Q-ty
1	Slide 0.7m "Fairytale"	39	1
2	Angle bar		4
3	Fence (Blue)	2	2
4	Cap M8		14
5	Cup M8		14
6	Bolt M8x30 GOST7802		4
7	Bolt M8x35 GOST7802		4
8	Bolt M8x40 GOST7802		2
9	Nut M8 GOST5915		10
10	Washer 10 GOST11371		14
11	Screw 8x50 GOST11473		4

Picture 10 - Assembly scheme of slide 700mm



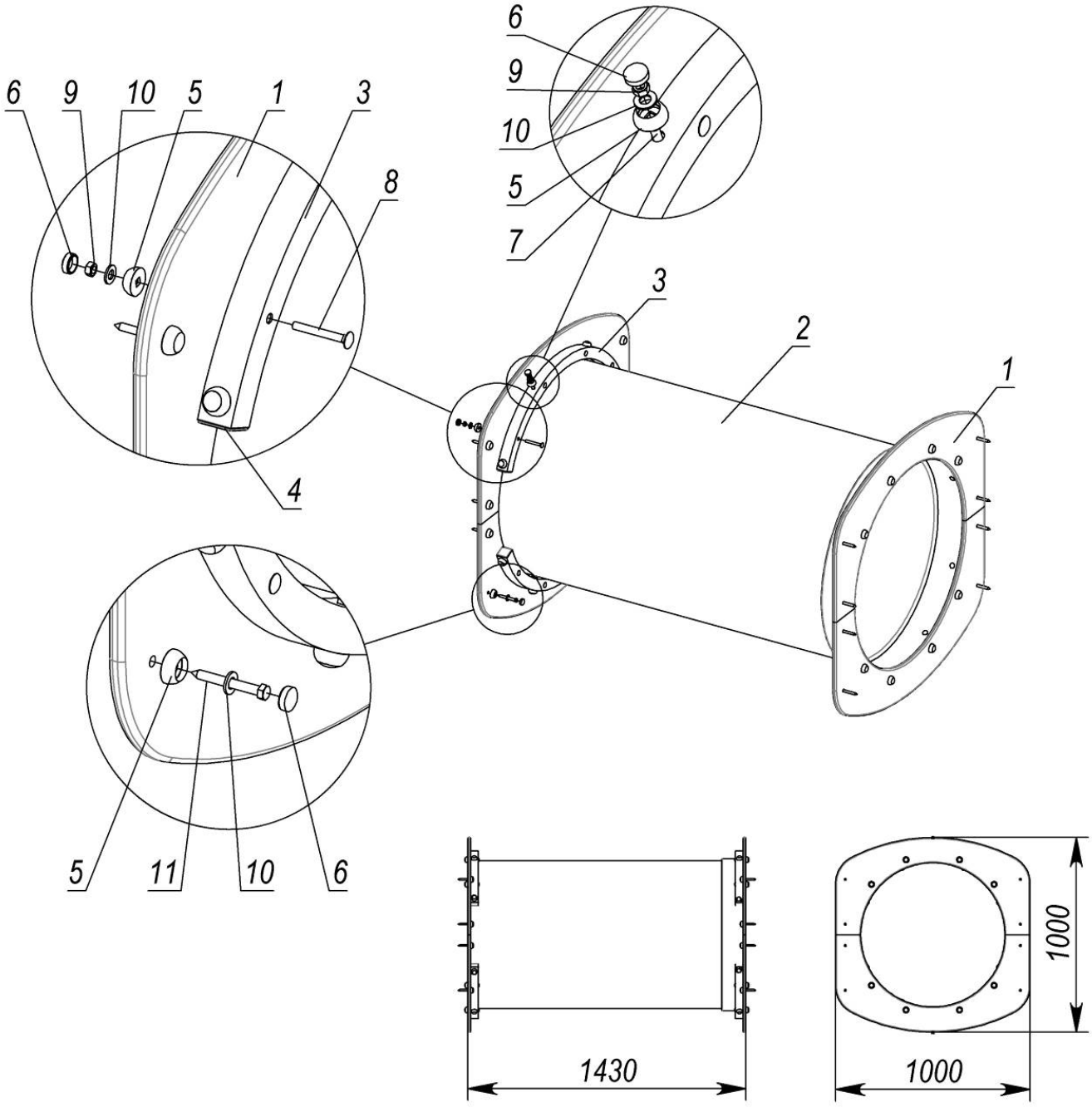
Pos.	Name	Weight, kg	Q-ty
1	Straight slide (2m)	73	1
2	Support for 2m slide	4	1
3	Angle bar		4
4	Fence	2	2
5	Cap M8		20
6	Cup M8		20
7	Bolt M8x35 GOST7802		4
8	Bolt M8x30 GOST7802		4
9	Bolt M8x65 GOST7798		2
10	Nut M8 GOST5915		10
11	Washer 10 GOST11371		20
12	Screw 8x50 GOST11473		6
13	Screw 8x100 GOST11473		2
14	Beam	2	1

Picture 11 - Assembly scheme of slide 2m



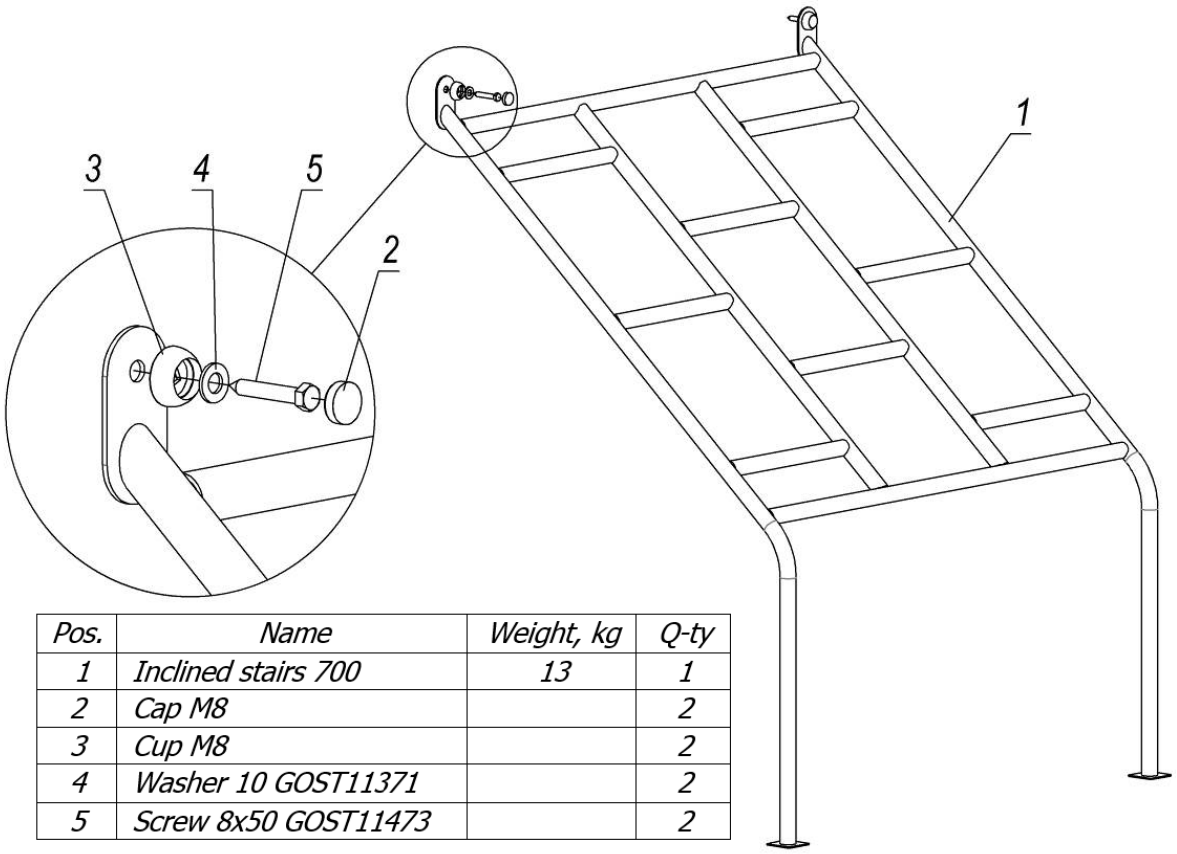
Pos.	Name	Weight, kg	Q-ty
1	Rack	4	2
2	Stairs	27	1
3	Support	6	2
4	Handrail	4	2
5	Railings handrail		6
6	Sprig L=210mm		2
7	Cap		2
8	Cap		2
9	Cap M8		24
10	Cup M8		24
11	Bolt M8x65 GOST7802		6
12	Nut M8 GOST5915		10
13	Washer 10 GOST11371		26
14	Screw 8x50 GOST11473		8
15	Screw 8x90 GOST11473		8

Picture 12 – Completeness and assembly scheme of stairs 1,5m



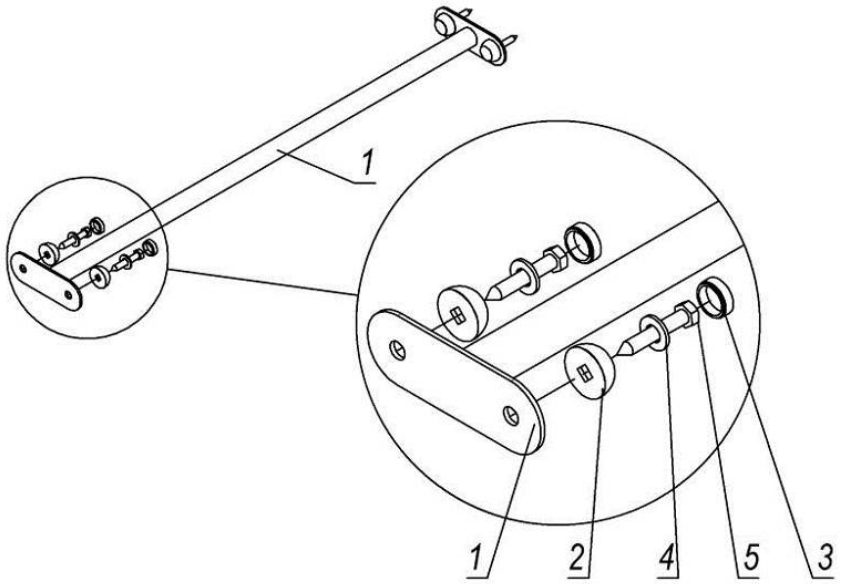
Pos.	Name	Weight, kg	Q-ty
1	Entrance	3	4
2	Straight tube 760	30	1
3	Bent tube	2	4
4	Plug 40x40		8
5	Cup M8		48
6	Cap M8		48
7	Bolt M8x60 GOST7802		16
8	Bolt M8x65 GOST7802		16
9	Nut M8 GOST5915		32
10	Washer 10 GOST11371		48
11	Screw 8x70 GOST11473		16

Picture 13 – Assembly scheme of tube crossing



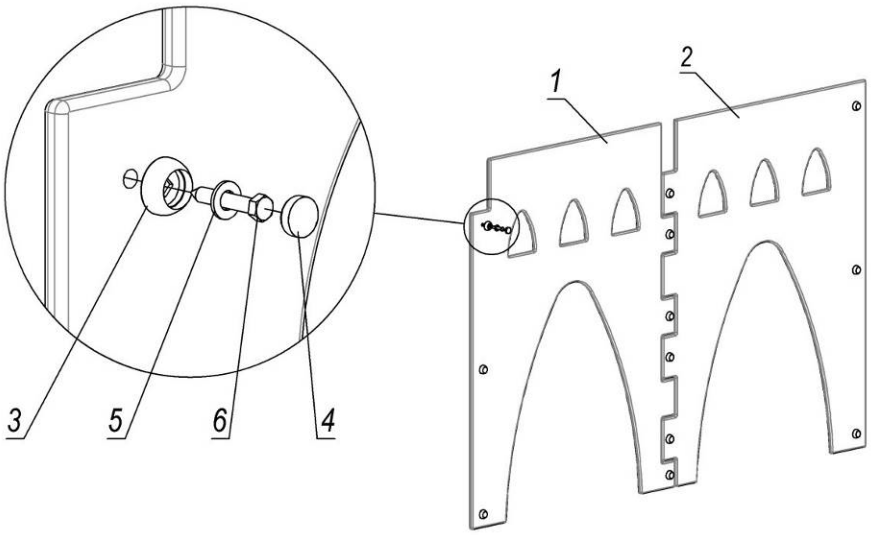
Pos.	Name	Weight, kg	Q-ty
1	Inclined stairs 700	13	1
2	Cap M8		2
3	Cup M8		2
4	Washer 10 GOST11371		2
5	Screw 8x50 GOST11473		2

Picture 14 – Installation scheme of inclined stairs



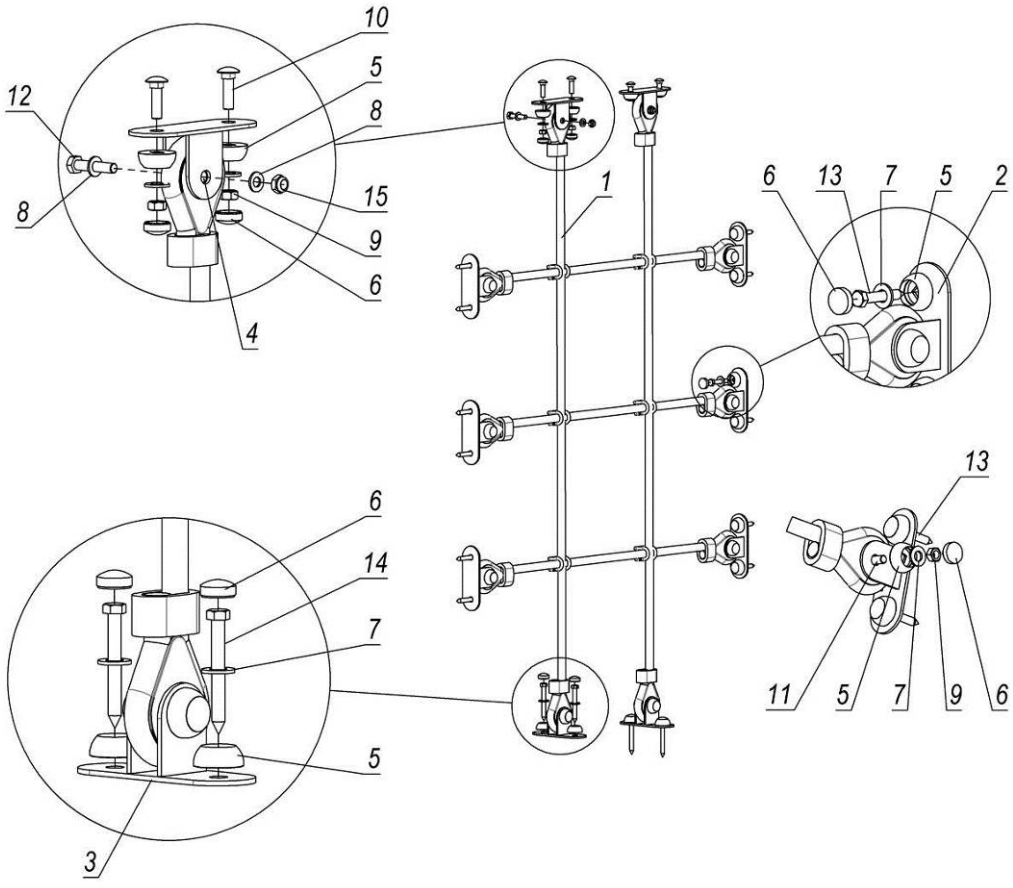
Pos.	Name	Weight, kg	Q-ty
1	Brace rod 0.8m	1	1
2	Cup M8		4
3	Cap M8		4
4	Washer 10 GOST11371		4
5	Screw 8x50 GOST11473		4

Picture 15 – Installation scheme of brace rod



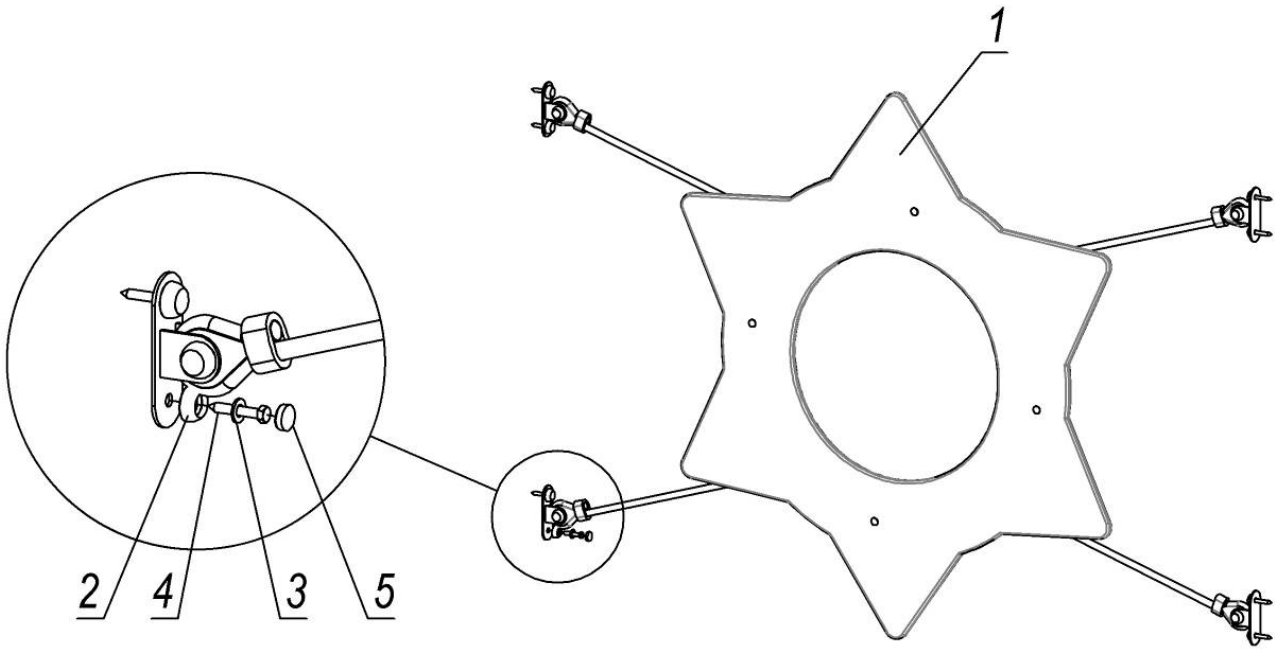
Pos.	Name	Weight, kg	Q-ty
1	Wall	8	1
2	Wall	9	1
3	Cup M8		12
4	Cap M8		12
5	Washer 10 GOST11371		12
6	Screw 8x50 GOST11473		12

Picture 16 – Installation scheme of wall



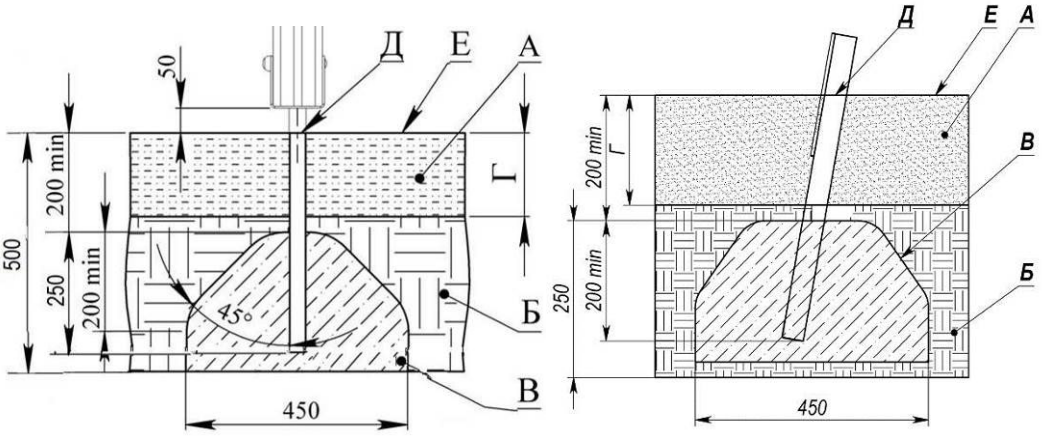
Pos.	Name	Weight, kg	Q-ty
1	Ladder assembly	3	1
2	Bracket		8
3	Bracket		2
4	Tube d12x1.5 GOST10704, L=22mm		9
5	Cup M8		36
6	Cap M8		36
7	Washer 10 GOST11371		36
8	Washer 8 GOST11371		4
9	Nut M8 GOST5915		12
10	Bolt M8x30 GOST7802		4
11	Bolt M8x45 GOST7798		8
12	Bolt M8x40 GOST7798		2
13	Screw 8x50 GOST11473		12
14	Screw 8x70 GOST11473		4
15	Self-locking nut M8 DIN985		2

Picture 17 – Installation scheme of rope ladder



Pos.	Name	Weight, kg	Q-ty
1	Manhole "Star"	14	1
2	Cup M8		8
3	Washer 10 GOST11371		8
4	Screw 8x50 GOST11473		8
5	Cap M8		8

Picture 18 – Installation scheme of manhole «Star»



For beams supports and other elements for slides of the complex

А - shock-absorbing coating;
Б – soil;
В – concrete;
Г - depth of the shock absorbing coating;
Д - product level plane;
Е – game surface.

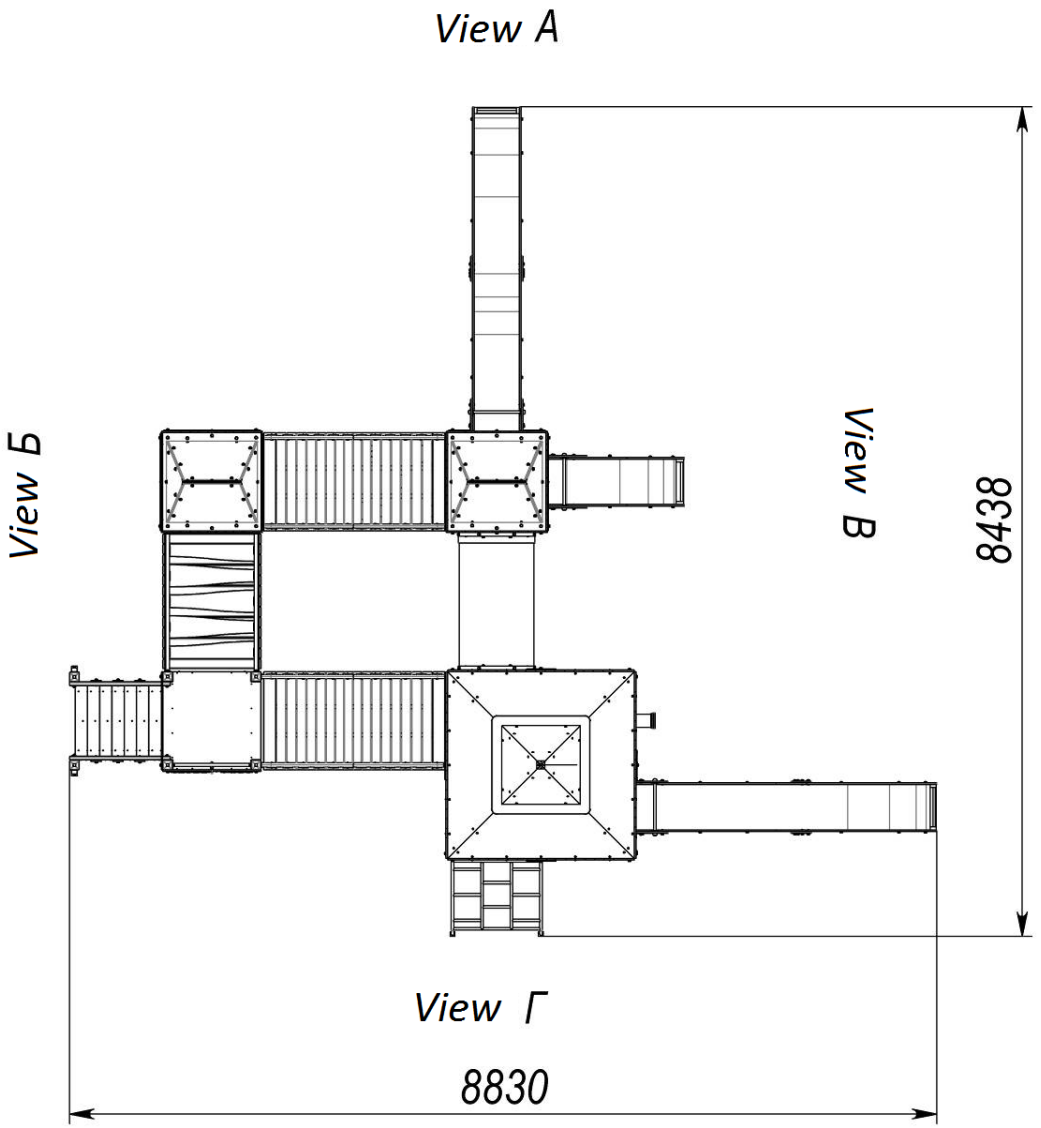
Examples of impact-absorbing coatings

Material[1]	**Description**	**Minimal depth, mm**	**Free 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
Other materials[3]	Characteristics of the tested material		Critical free height of fall, obtained during testing

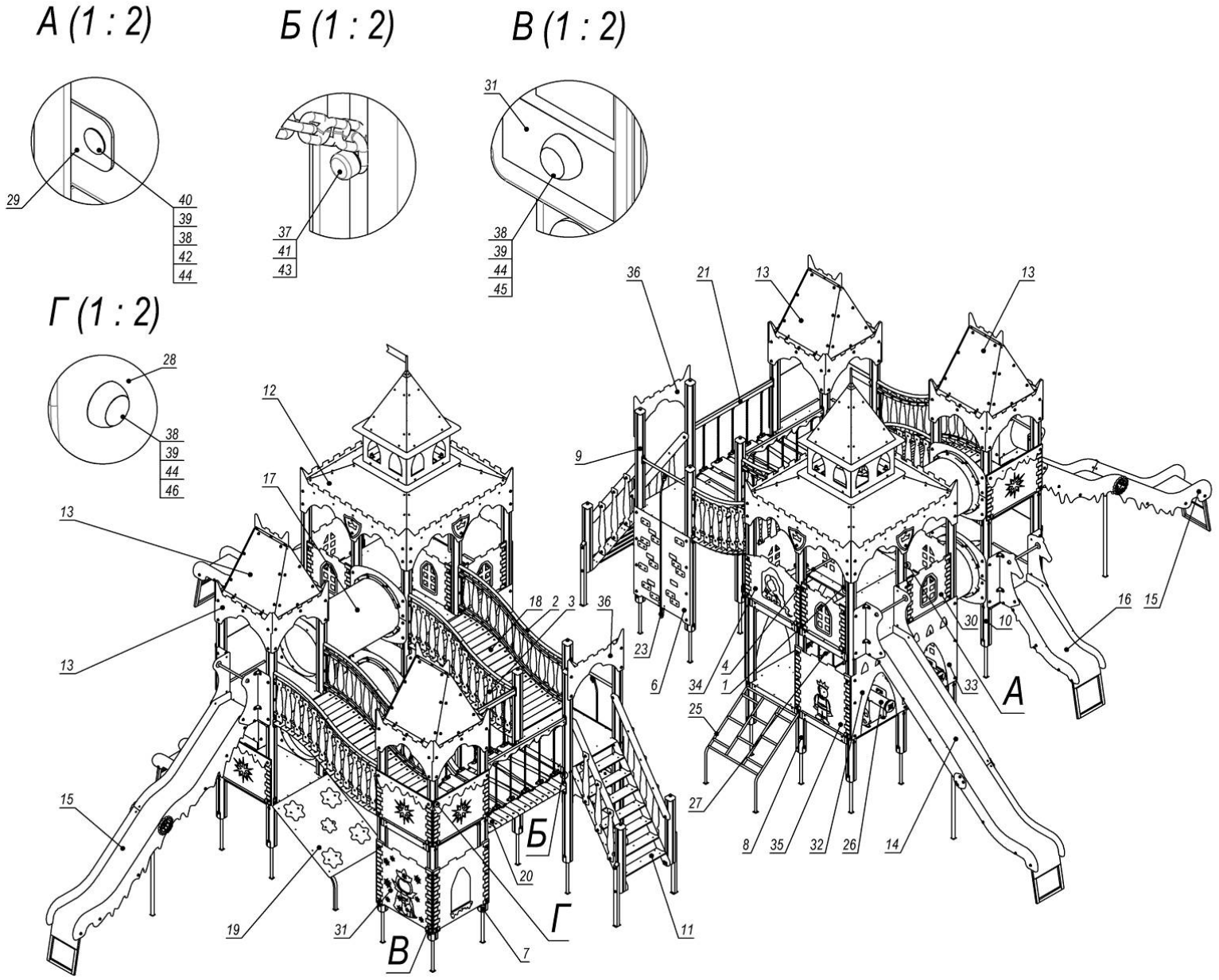
1. Materials specially prepared for playgrounds.
2. There should not be any clay inclusions.
3. The grain size is obtained by sieving through a sieve as in EN933-1.

Picture 19 – Concreting scheme

Marking the «views» of the complex



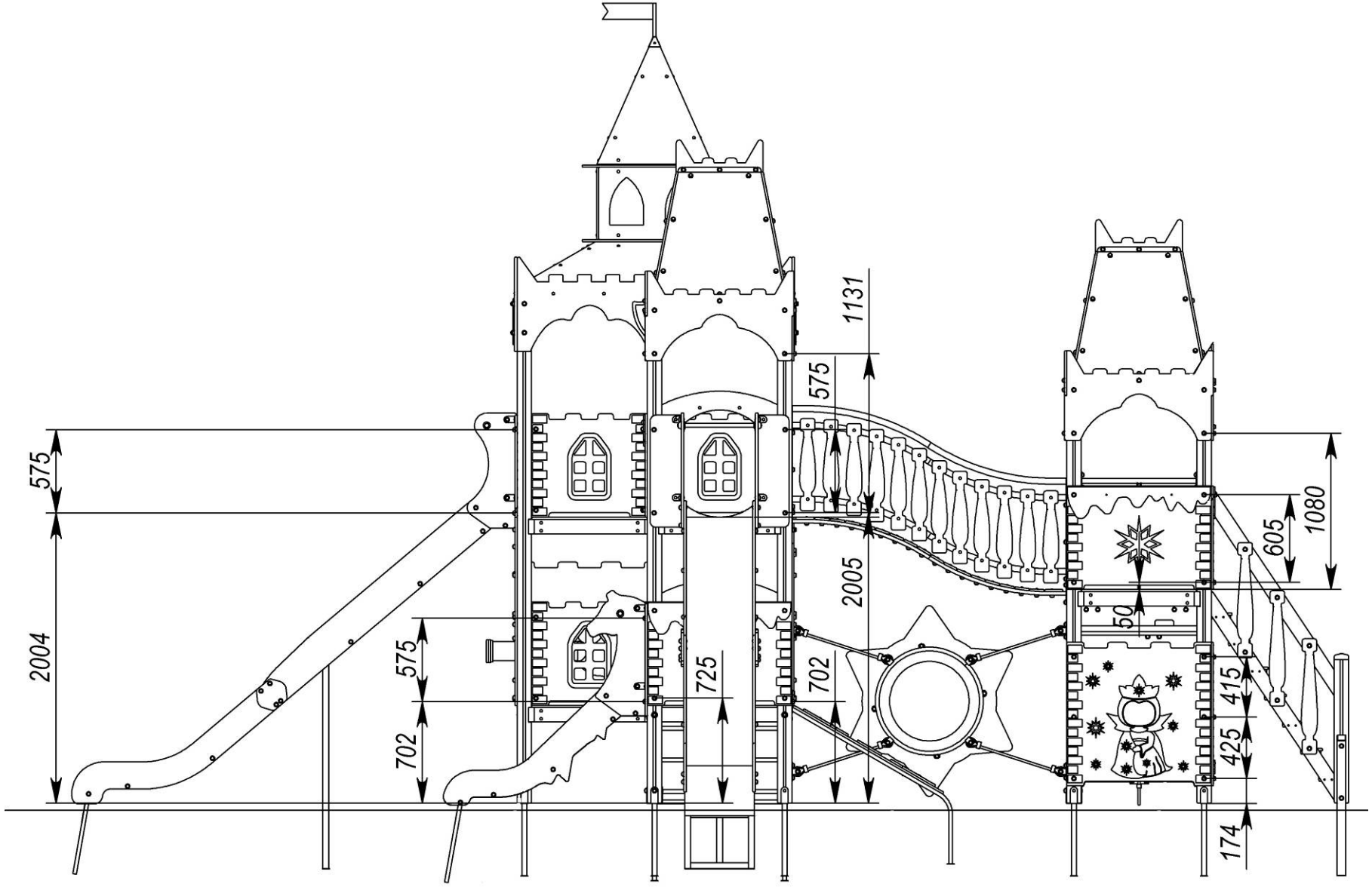
Picture 20



Pos.	Name	Weight, kg	Q-ty
1	Handle	1	2
2	Wavy railings left	26	2
3	Wavy railings right	26	2
4	Brace rod 0.8m	2	1
5	Fence "Entrance" assembly	9	1
6	Climber's board assembly	17	1
7	Tower 1.5m 1x1	93	1
8	Double tower (1.9mx1.9m) beam 3.5m	329	1
9	Tower 1.5m (2 sec. of beam)	89	1
10	Tower 0.7-2m (beam 3.5m)	107	1
11	Stairs 1.5m "Fairytale"	61	1
12	Roof "Fairytale" (T923)	143	1
13	Roof "Fairytale"	48	2
14	Slide 2m assembly	84	1
15	Slide 2m "Fairytale" assembly	91	1
16	Slide 0.7m "Fairytale" assembly		1
17	Tunnel crossing (Ukrhimplast)	52	2
18	Wavy bridge (plywood TPS)	40	2
19	Straight ascent 0.7m "Snowflake"	28	1
20	Straight bridge (1.43m)	44	1
21	Chain bridge (plywood TPS)	40	1
22	Manhole "Star"	14	1
23	Brace rod with rope	4	1
24	Wall assembly	17	1
25	Inclined ladder 700 assembly	13	1
26	Floor cannon assembly	26	2
27	Rope ladder (0.8x1.3) with fastening	6	1
28	Fence snowflake assembly	9	4
29	Small angle bar		24
30	Fence "Wall"	6	6
31	Fence "Princess"	11	1
32	Wall	7	1
33	Wall	9	1
34	Cover plate "Rapunzel"	8	1
35	Fence "Prince"	11	1
36	Roof rim	4	1
37	Cap S13		4
38	Cap M8		204
39	Cup M8		204
40	Bolt M8x30 GOST7802		34
41	Bolt M8*120 DIN931		4
42	Nut M8 GOST5915		38
43	Washer 8 GOST11371		4
44	Washer 10 GOST11371		204
45	Screw 8x50 GOST11473		150
46	Screw 8x70 GOST11473		16

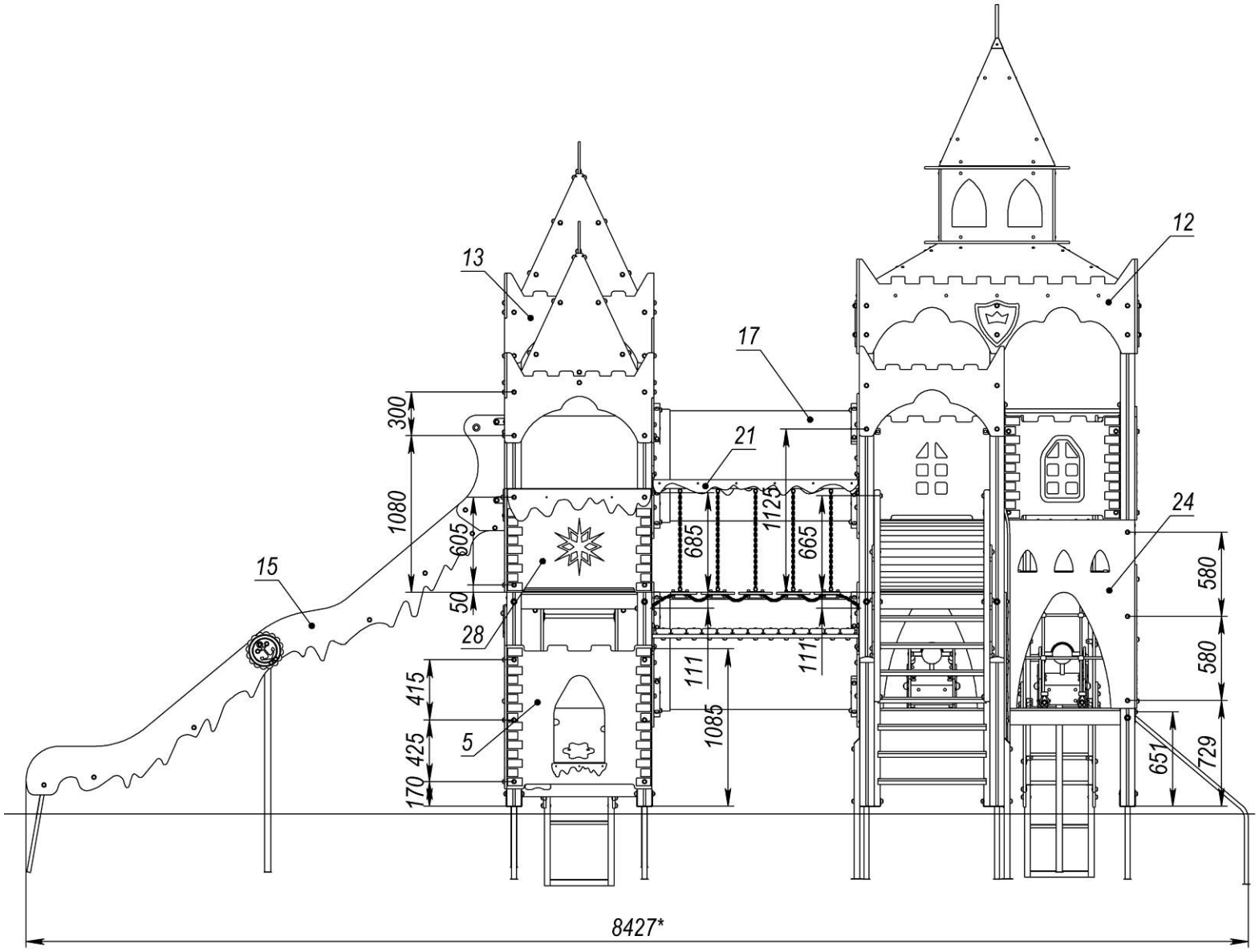
Picture 21

View A



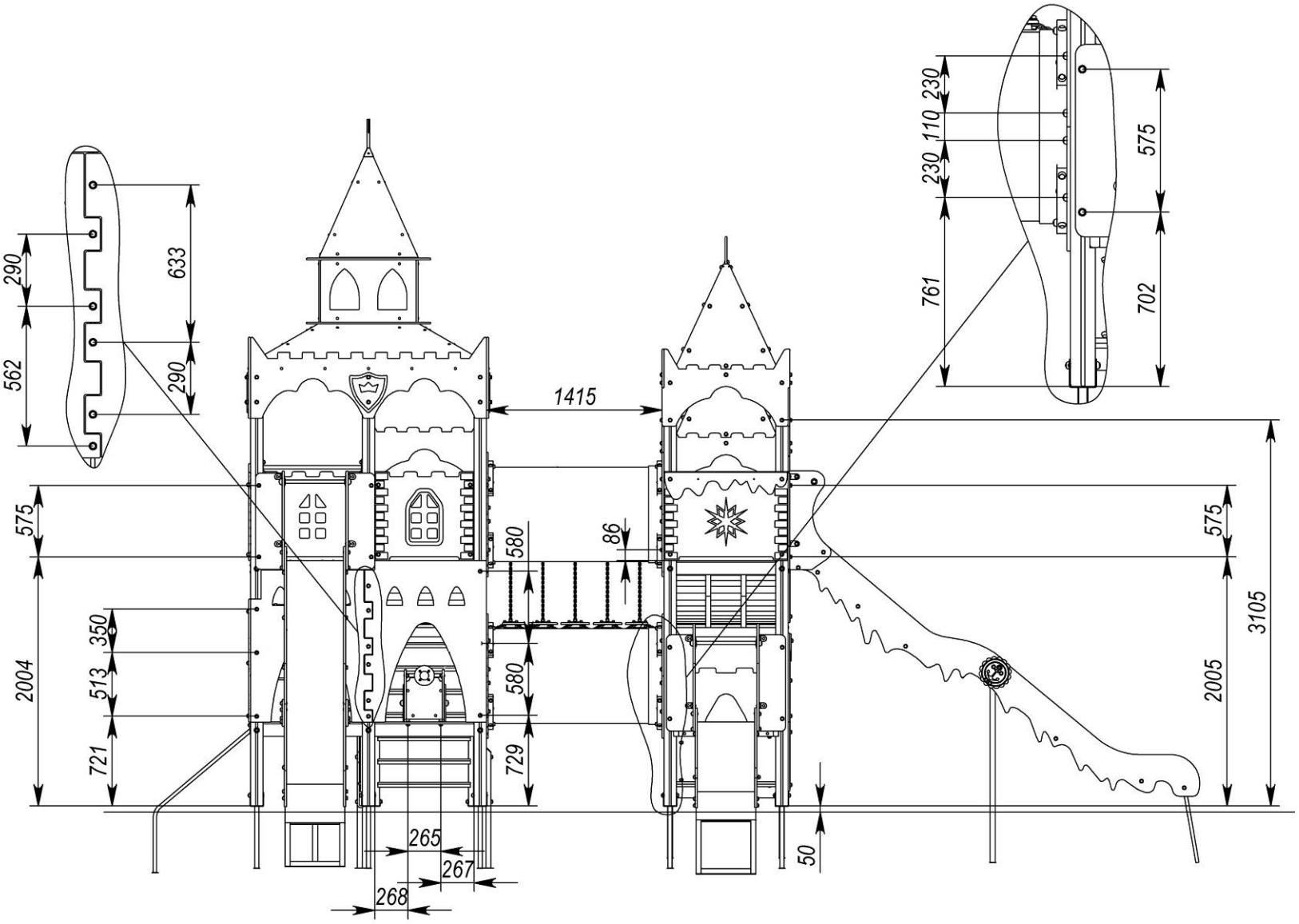
Picture 22

View Б



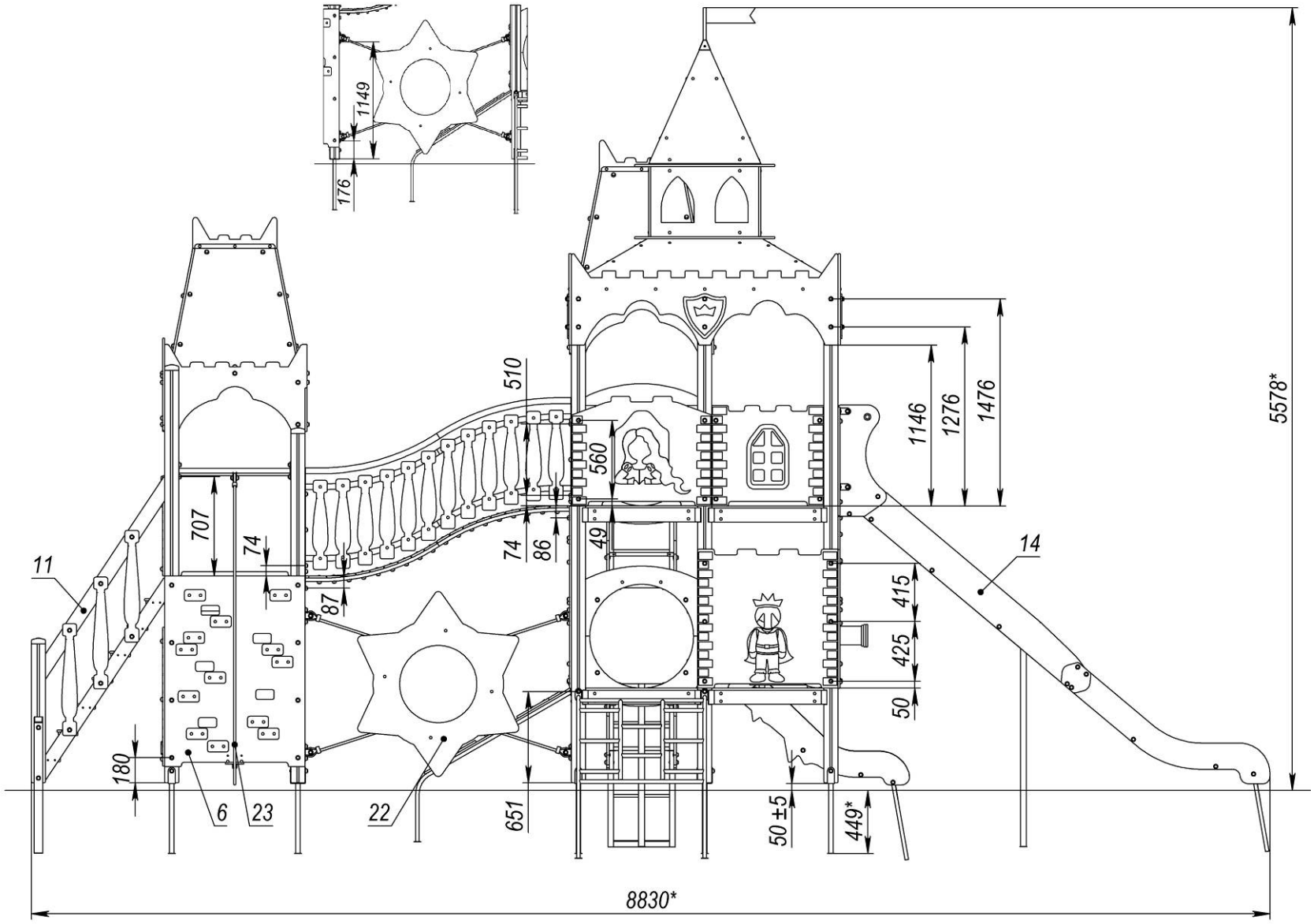
Picture 23

View B

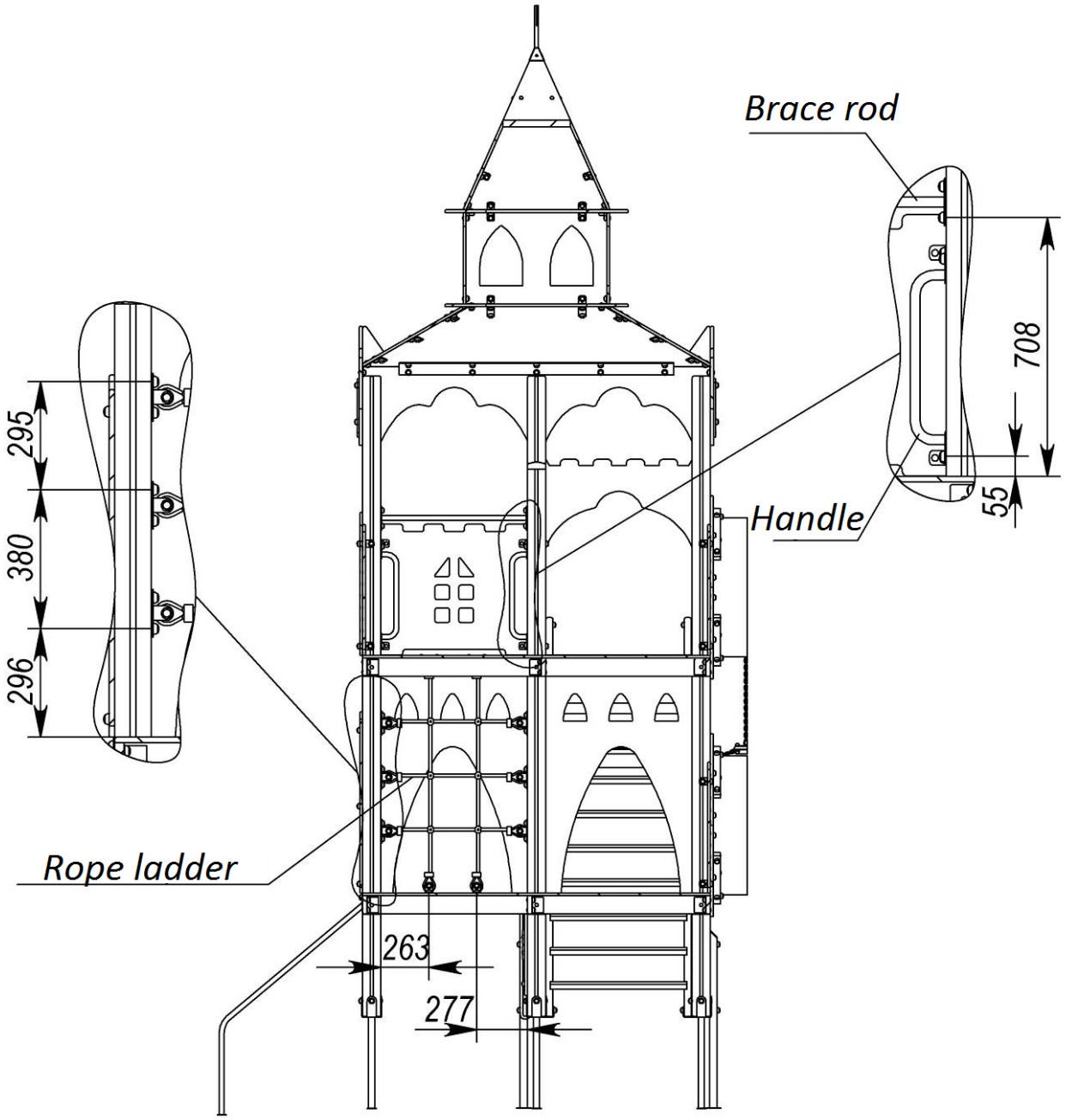


Picture 24

View Г



Picture 25



Picture 26 – Installation scheme (of rope ladder, handle, brace rod) to double tower (1,9x1,9m) beam 3,5m