

DATA SHEET

Game complex LK151.1



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FOR NOTES

This image shows a full page of white paper with horizontal ruling lines. The lines are evenly spaced and extend 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 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. PRODUCT ASSEMBLY AND INSTALLATION PROCEDURE

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 foundation layout scheme.
- 2) Dig the holes for the installation of the embedded parts and attachments. Levelling the depth of the holes by deepening them or adding gravel.
- 3) Assemble and install the equipment in accordance with the assembly schemes - chapter 7.
- 4) Concrete the embedded parts and support structures of the attachments. When installing the product on sandy soil, the overall dimensions of the holes should be increased for 15-20%.

To avoid cracking of the wood, for screws with a diameter of more than 4 mm, drill holes with a diameter of 0.6...0.7 mm to a depth of 0.8 of the screw's length.

WARNING. The presence and participation of children during the installation of the product is not allowed.

3. PRODUCT USE

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

The product must not be used by users of a different age and weight category.

Before using the product, clear the safety area of any unnecessary objects that may cause damage to the user (debris, tools left over from 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 done.

5. INFORMATION ON STORAGE, TRANSPORTATION AND RECYCLING

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 damages.

Storage information

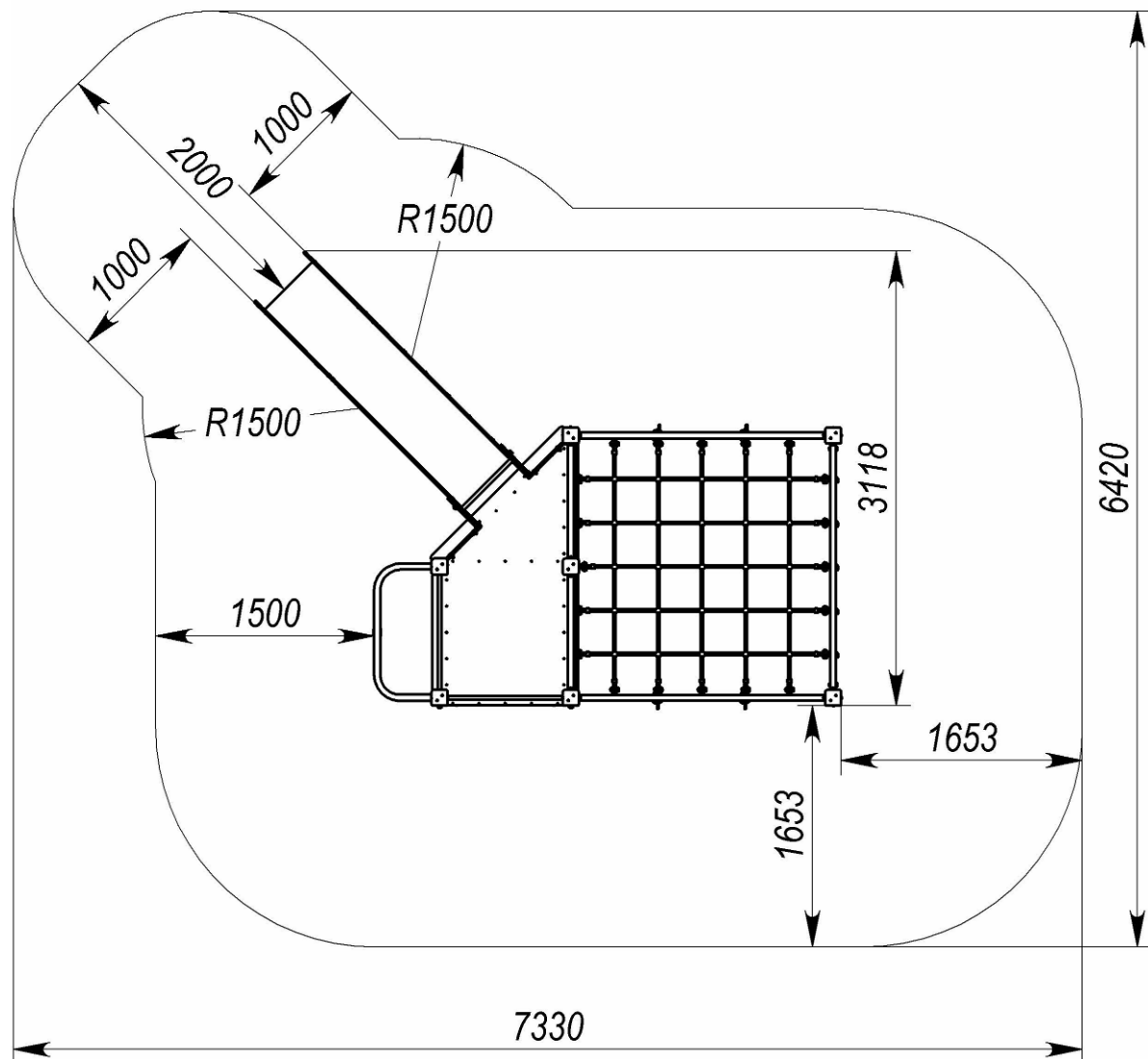
Date		Product storage conditions	Full name	Signature
Putting into storage	Removal from storage			

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.

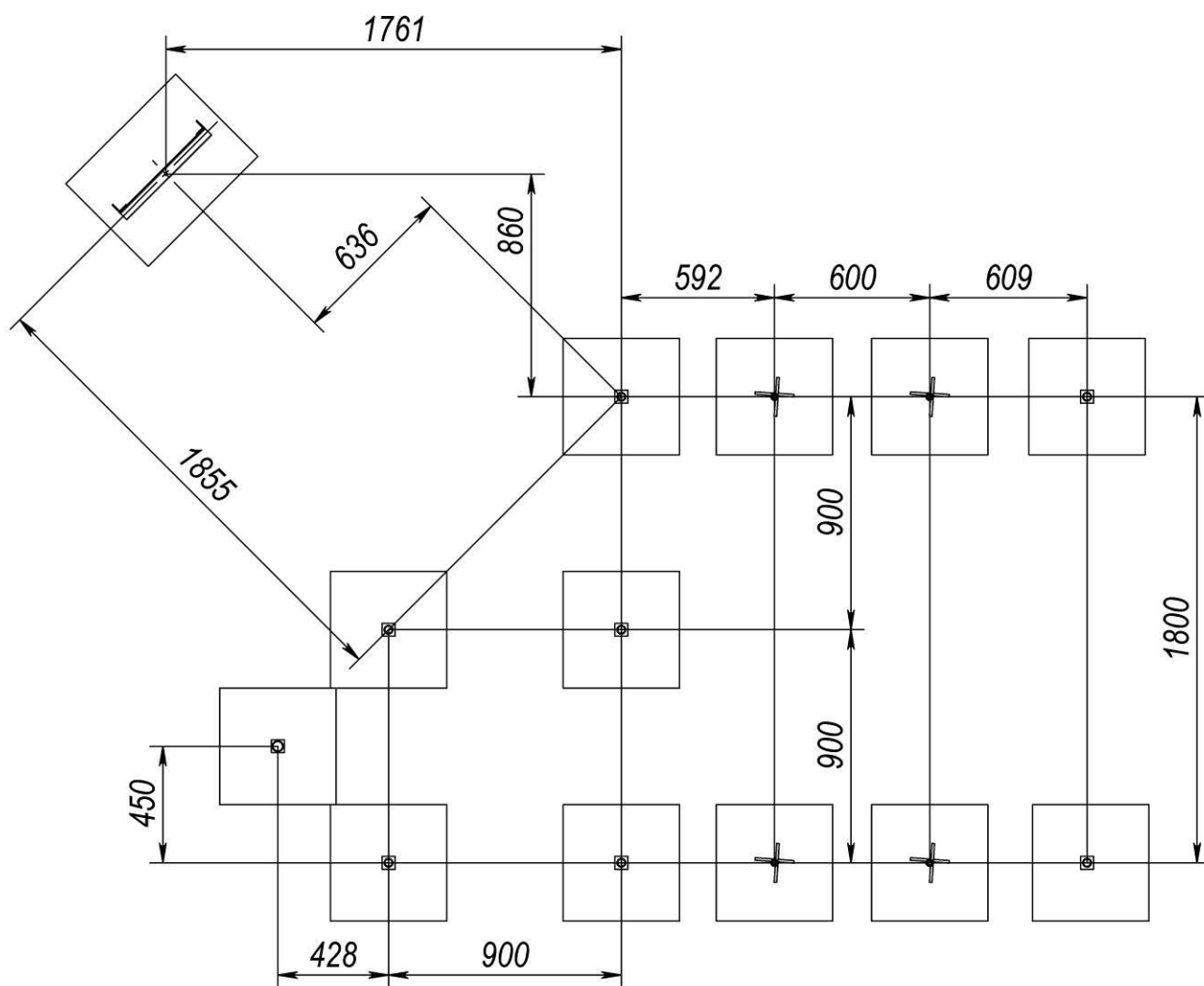
The equipment does not contain harmful impurities and materials that can harm your health and is not subject to special recycling.

6. TECHNICAL CHARACTERISTICS AND ASSEMBLY SCHEMES

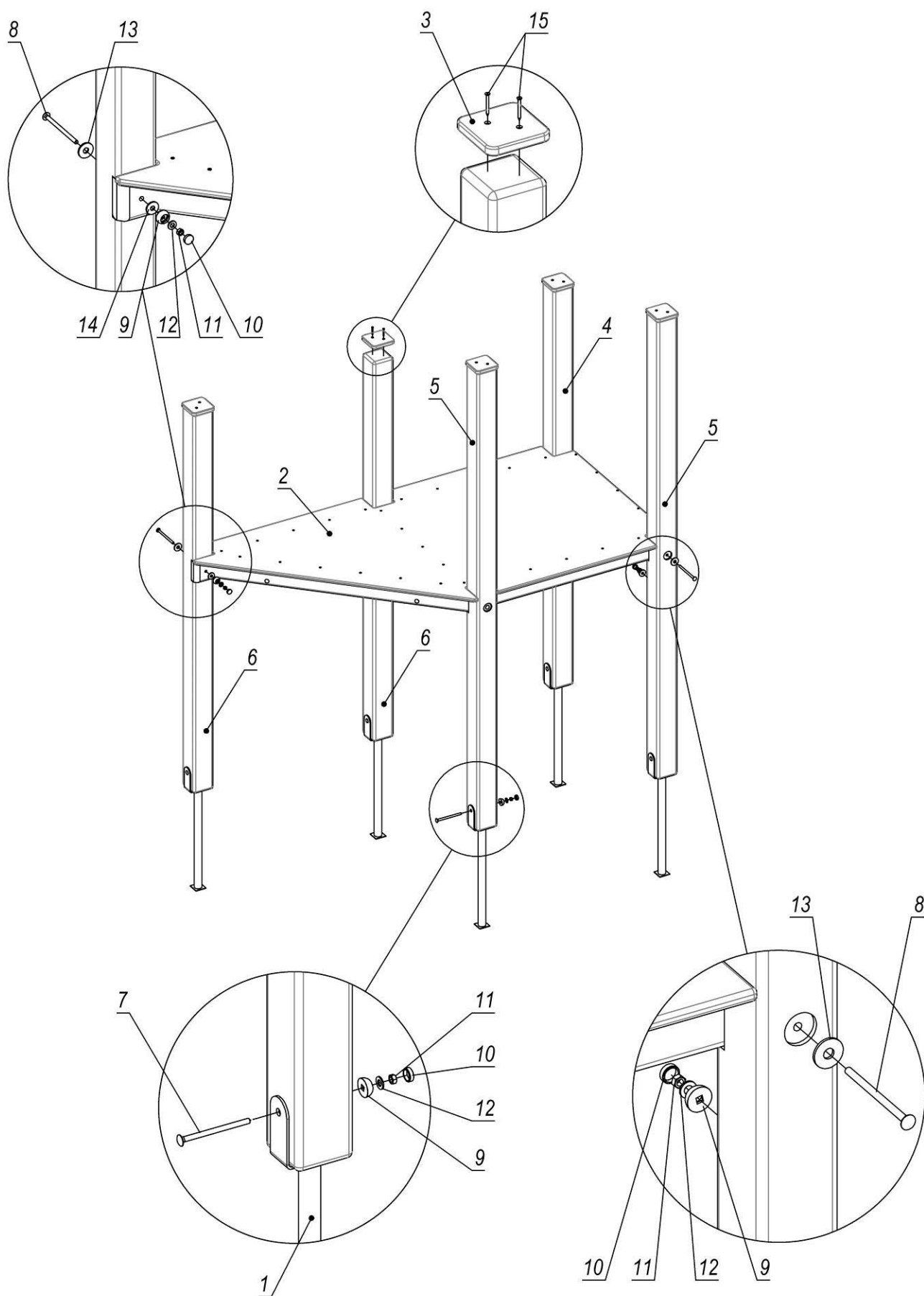
	LK151.1
Length, mm	3983
Width, mm	3098
Height, mm	2363
Weight, kg	306
Fall height, mm	1765
Age range, years	from 3 to 7
Weight limits, kg	to 60



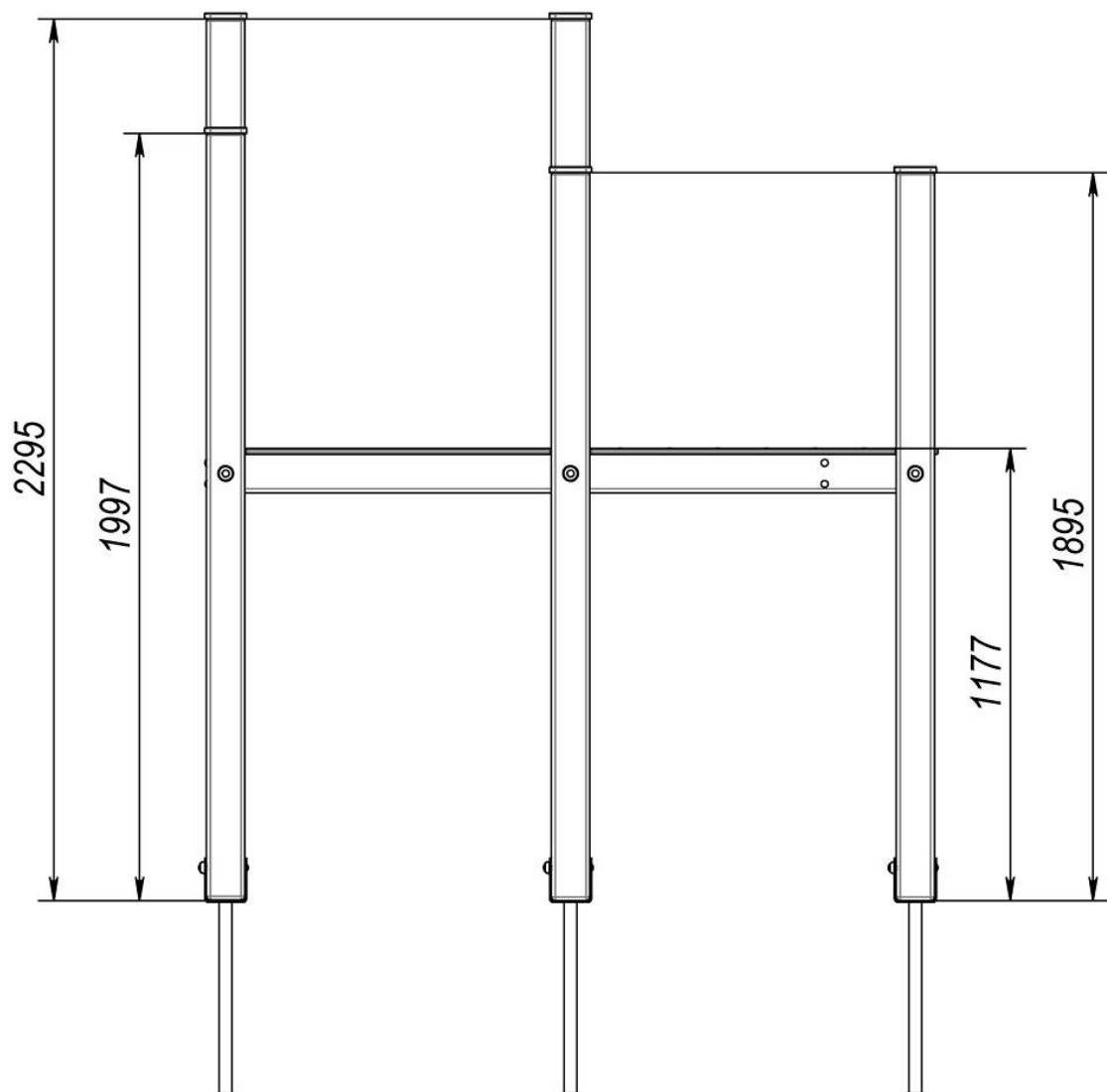
Picture 1 - Landing zone



Picture 2 – Layout scheme of foundations

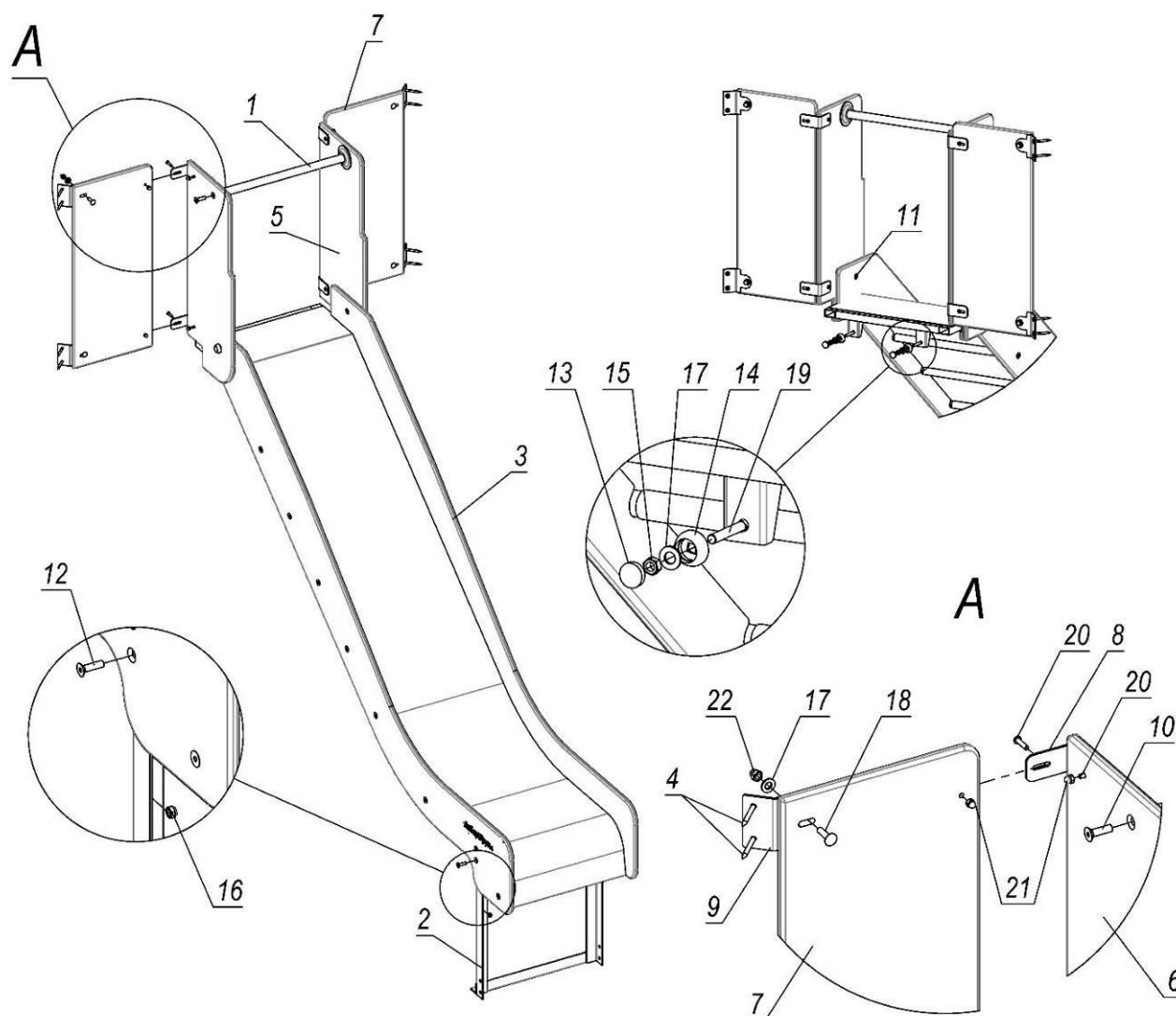


Picture 3 – Tower assembly scheme



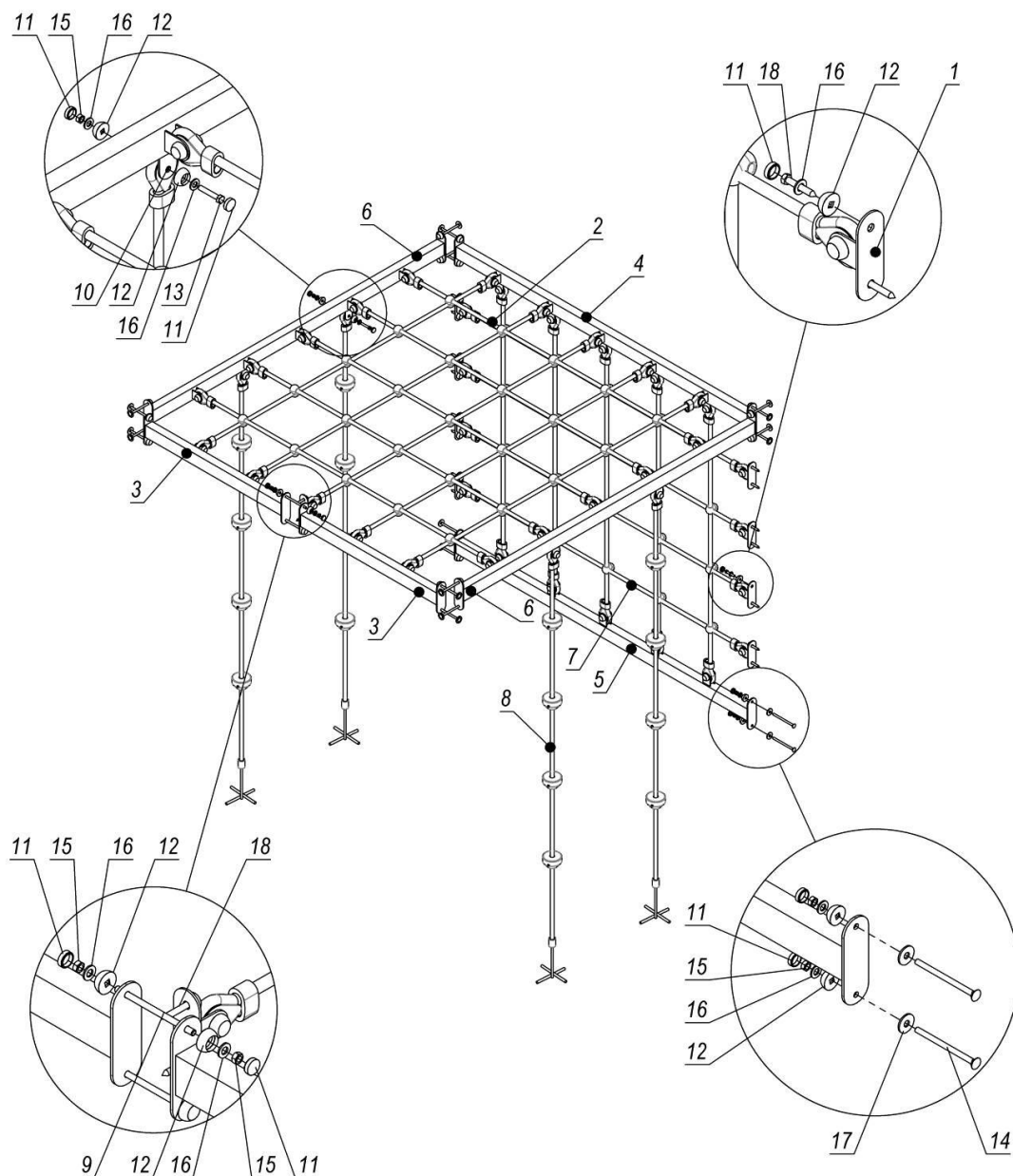
<i>Pos.</i>	<i>Name</i>	<i>Weight, kg</i>	<i>Q-ty</i>
1	Beam support		5
2	Double site (1x1.9) angle	31	1
3	Cap on bar		5
4	Beam 2m (groove 1.5m)		1
5	Rack 2.3 m		2
6	Rack 1.9 m		2
7	Bolt M8*120 GOST7802		5
8	Bolt M8*130 GOST7802		5
9	Cup M8		10
10	Cap M8		10
11	Nut M8 GOST5915		10
12	Washer 10 GOST11371		10
13	Washer 12 GOST6958		5
14	Washer 10 GOST6958		1
15	Screw 4x40 GOST1145		8

Picture 4 – Complete set of the tower



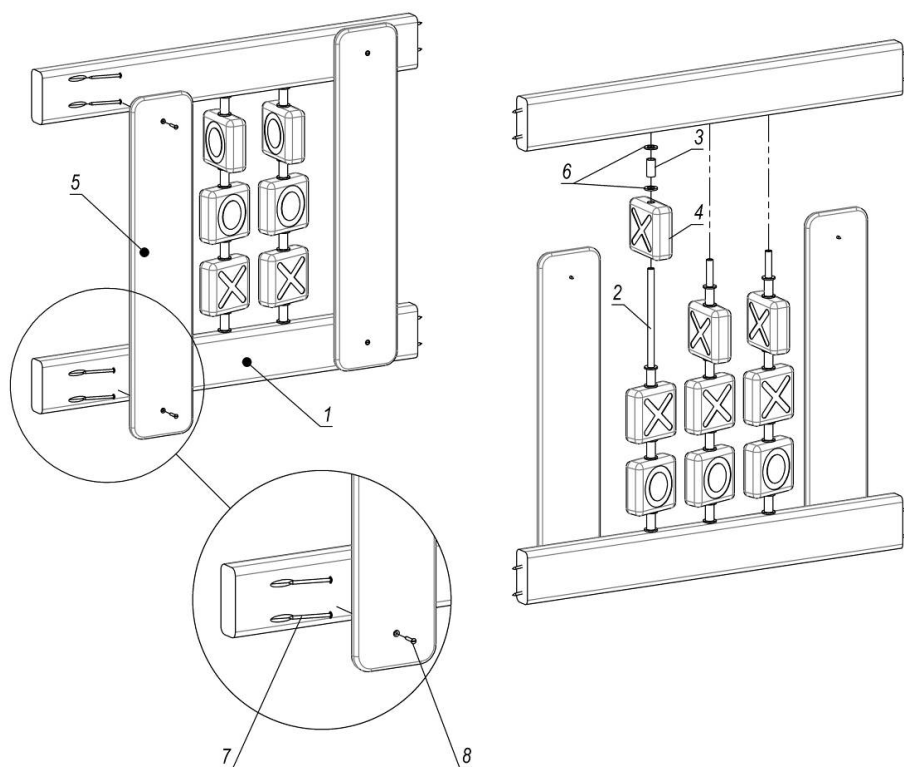
Pos.	Name	Weight, kg	Q-ty
1	Brace rod 493 mm	1	1
2	Slide slip (angle)		1
3	Slide 1.2m	34	1
4	Screw 6.0x60 SPAX T-STAR plus (univers.)		8
5	Upper sidepart left	3	1
6	Upper sidepart right	3	1
7	Partition (306x705)		2
8	Slide angle bar		4
9	Angle bar 135 degrees		4
10	Stud M10x35 DIN7991		2
11	Stud M8x40 DIN7991		2
12	Stud M8x30 DIN7991		4
13	Cap M8		4
14	Cup M8		4
15	Nut M8 GOST5915		4
16	Nut M8 DIN985		4
17	Washer 10 GOST11371		8
18	Bolt M8*30 GOST7802		4
19	Bolt M8*55 GOST7802		2
20	Stud M6x25 ISO7380		8
21	Cap nut M6 DIN1587		8
22	Cap nut M8 DIN1587		4

Picture 5 – Slide assembly scheme



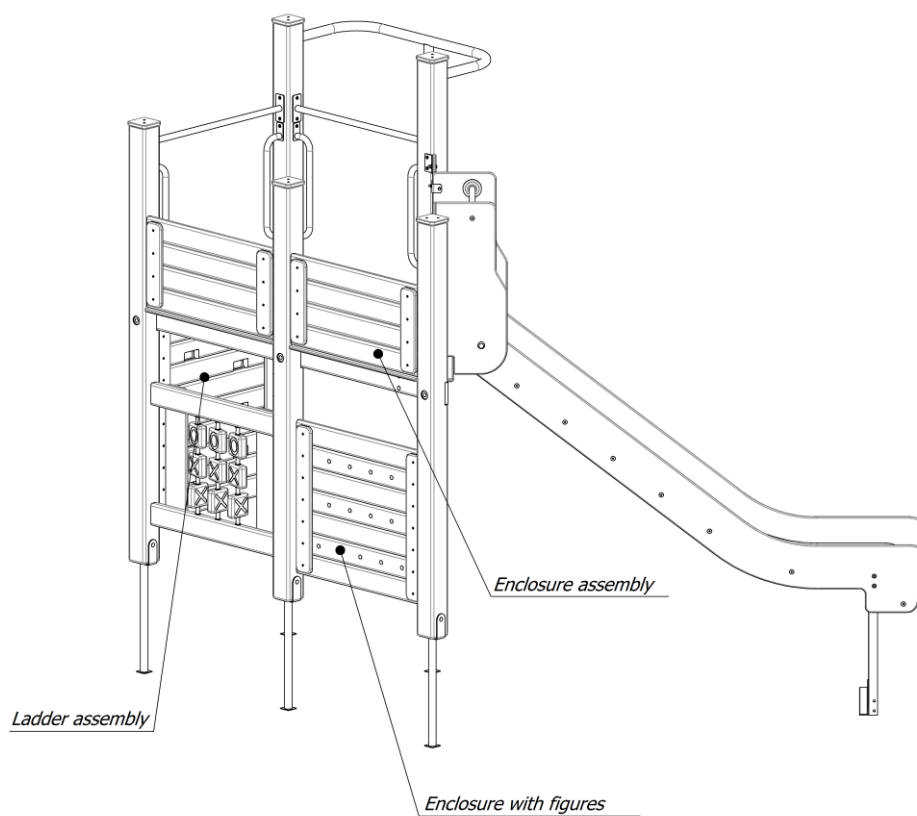
Pos.	Name	Weight, kg	Q-ty	Pos.	Name	Weight, kg	Q-ty
1	Rope bracket		9	10	Tube d12x1.5 GOST 10704, L=22 mm		42
2	Rope net 1.7*1.7	9	1	11	Cap M8		126
3	Crossbar 800mm	3	2	12	Cup M8		126
4	Crossbar 1700mm	6	1	13	Bolt M8*45 GOST 7798		42
5	Crossbar 1700mm bottom	6	1	14	Bolt M8*120 GOST7802		20
6	Crossbar1700mm	6	2	15	Nut M8 GOST5915		66
7	Rope net 1.7*1.4		1	16	Washer 10 GOST11371		126
8	Rope assembly	2	4	17	Washer 10 GOST6958		20
9	Pin M8 L=135		2	18	Screw 8x50 GOST11473		18

Picture 6 – Fastening scheme of the rope net

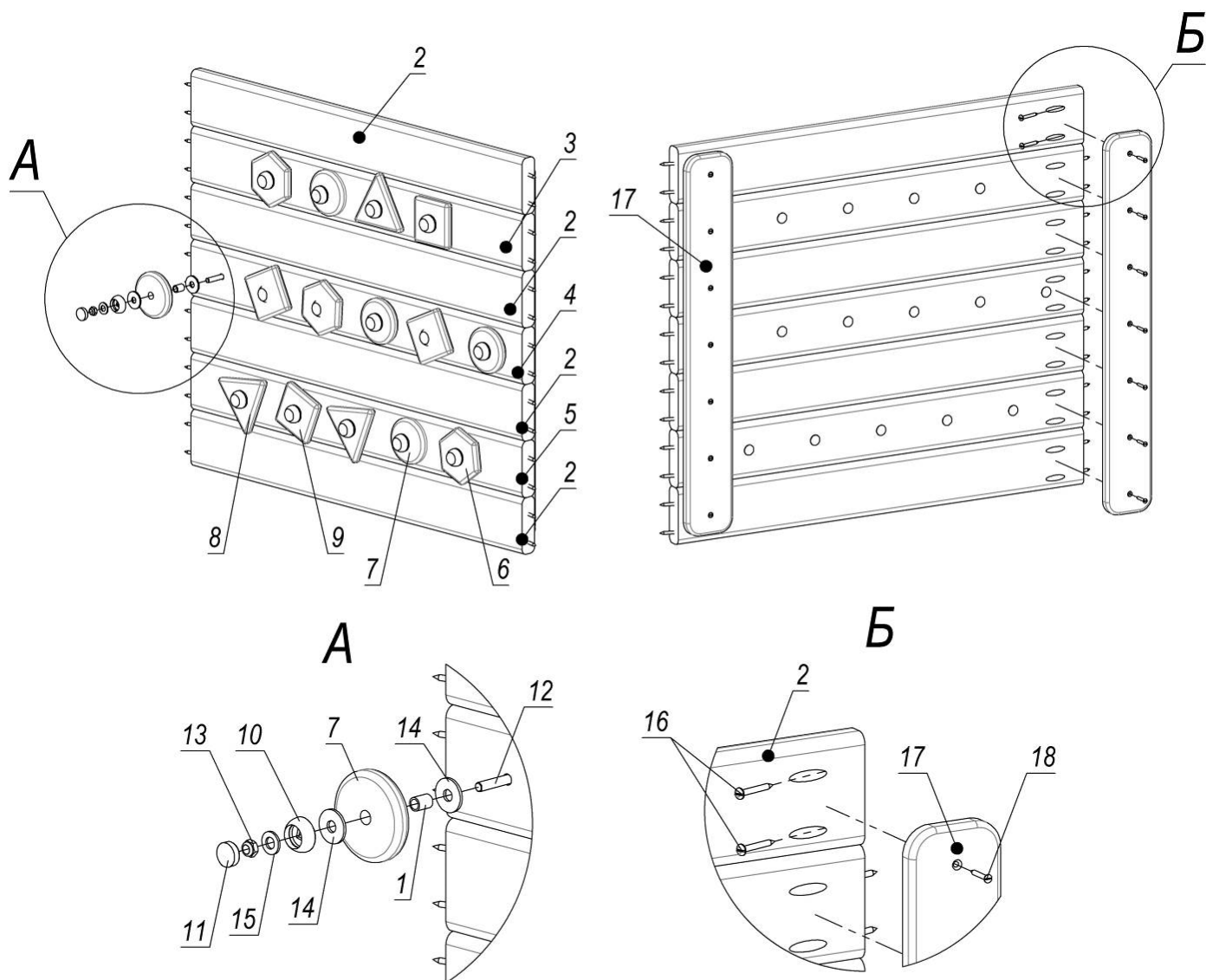


Pos.	Name	Weight, kg	Q-ty
1	Board 40*100*798	1	2
2	Axis		3
3	Bushing		12
4	Board 40*100*100	2	9
5	Brace rod	1	2
6	Washer 12 GOST11371		24
7	Screw 4x60 GOST1144		8
8	Screw 4x25 GOST1145		4

Picture 7 – Panel assembly scheme

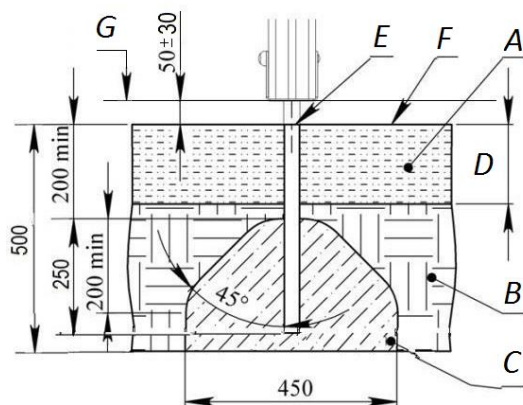


Picture 8 – Panel layout

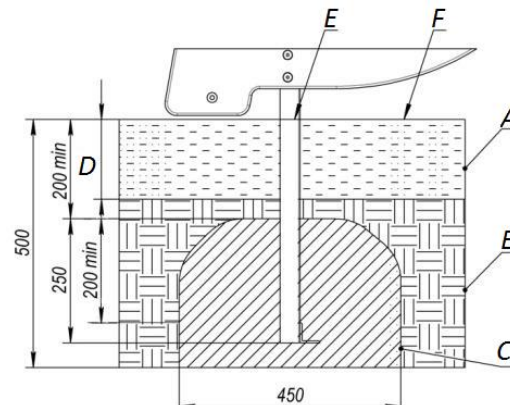


Pos.	Name	Weight, kg	Q-ty
1	Bushing (L=16 mm)		15
2	Board 30*100*798	1	4
3	Board 30*100*798	1	1
4	Board 30*100*798	1	1
5	Board 30*100*798	1	1
6	Cover plate hexagon		3
7	Cover plate circle		5
8	Cover plate triangle		3
9	Cover plate square		4
10	Cup M8		15
11	Cap M8		15
12	Bolt M8*65 DIN 603 (furniture)		15
13	Nut M8 DIN 985 (lock nut)		15
14	Washer 10 DIN 9021 (enlarged)		30
15	Washer 10 DIN 125 (flat)		15
16	Screw 5*40 DIN 7996 (GBR-univ., PZ)		28
17	Brace rod		2
18	Screw 4*30 DIN 7997 (hidden-univ., PZ)		14

Picture 8.1 – Panel fastening scheme



For beams support and other elements



for the slide

A – shock-absorbing coating;

B – soil;

C – concrete;

D – depth of the shock-absorbing coating;

E – product level plane;

F – game surface;

G – thread.

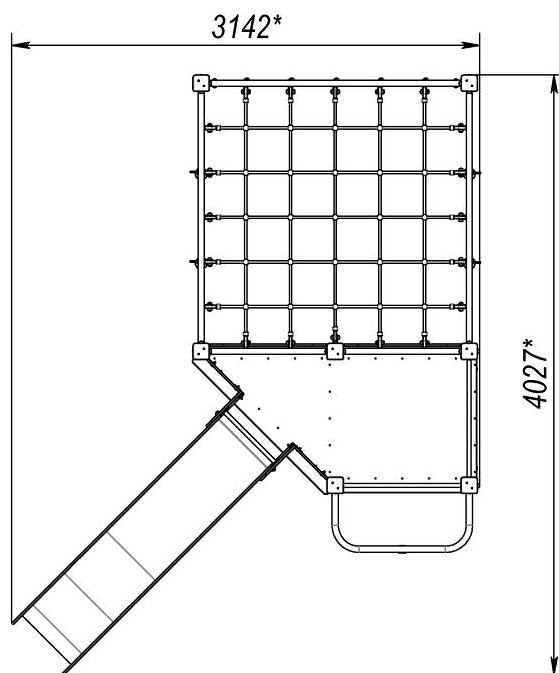
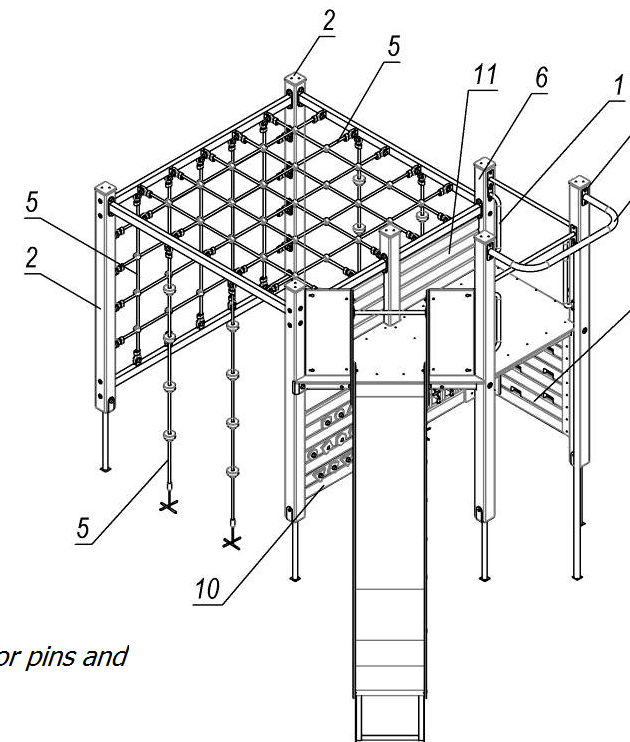
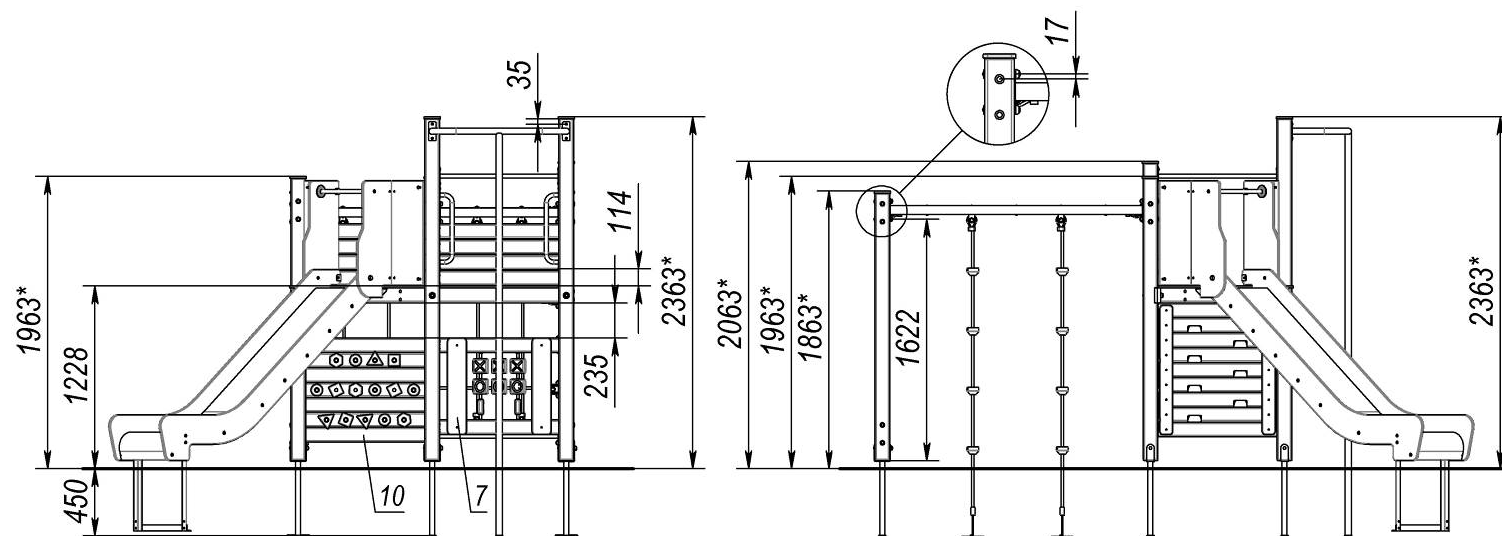
Examples of impact-absorbing coatings

Material ¹	Description	Minimal depth, mm	Fall height, 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 EN 1177	According to the test	According to the test

1. Materials are specially made for the playgrounds.

2. No clay inclusions should be present. Grain size is obtained by sieving through a sieve as in EN 933-1.

Picture 9 - Concreting scheme



Corner elements of the net frame pos. 5 fasten with vertical offset. For pins and fastening bolts drill a hole with a diameter 10 mm during installation.

Pos.	Name	Weight, kg	Q-ty
1	Handle		4
2	Beam assembly	13	2
3	Brace rod 0.8 m (City)	1	2
4	Pole (City) 1.2m	12	1
5	Rope nets assembly	62	1
6	Tower	101	1
7	Panel "Tic Tac Toe"	9	1
8	Slide 1.2m (Mini) assembly	55	1
9	Ladder assembly	16	1
10	Enclosure with figures	14	1
11	Enclosure assembly	7	2
12	Screw 6x60 SPAX T-STAR plus (flat, TX30)		20

Picture 10