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DATA SHEET

Game complex «Climber's Tower» LK105

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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 quarantee.

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 installation.

Procedure for assembling and installing the product.

1) Mark the area as shown on the foundations layout.
2) Dig excavations for installation of embedded parts and attachments. Depth of recesses shall be leveled by their deepening or filling of crushed stone.
3) Assemble and install the equipment in accordance with the assembly schemes - chapter 7.
4) Concrete embedded parts and supporting structures of attachment elements. When installing the product on sandy soil, the overall dimensions of the excavations should be increased by 15-20%.

To avoid cracking of wood, for screws with a diameter of more than 4 mm, holes with a diameter of 0.6.. 0.7 of the diameter should be drilled to a depth of 0.8 of its length.

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

3. PRODUCT USAGE

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.

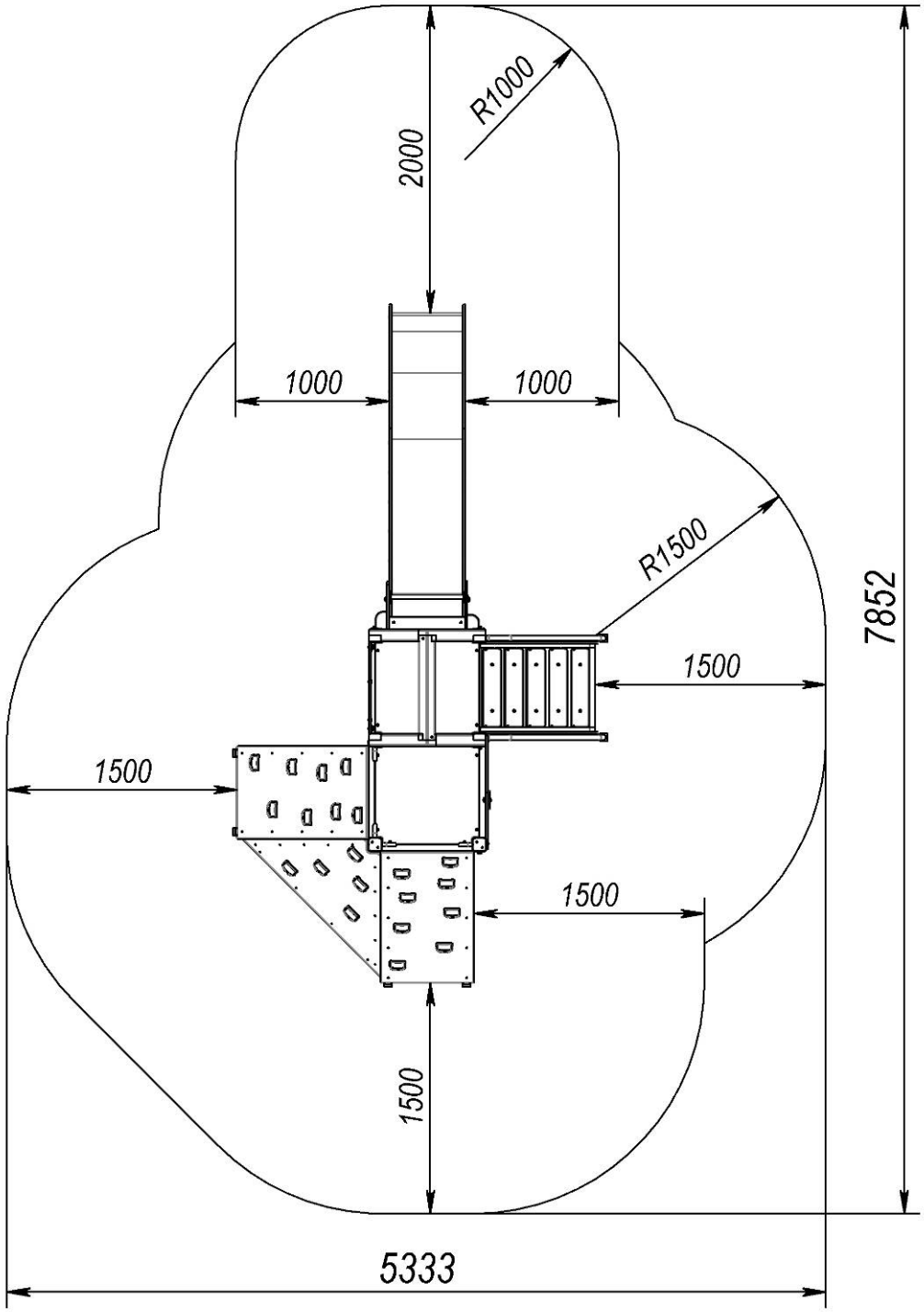
During operation it is also necessary to inspect the condition of the product periodically - the current inspection. It includes an external inspection of the product, checking its operability (in the presence of moving elements - the smoothness of the movement of mechanisms, compliance with operating 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).

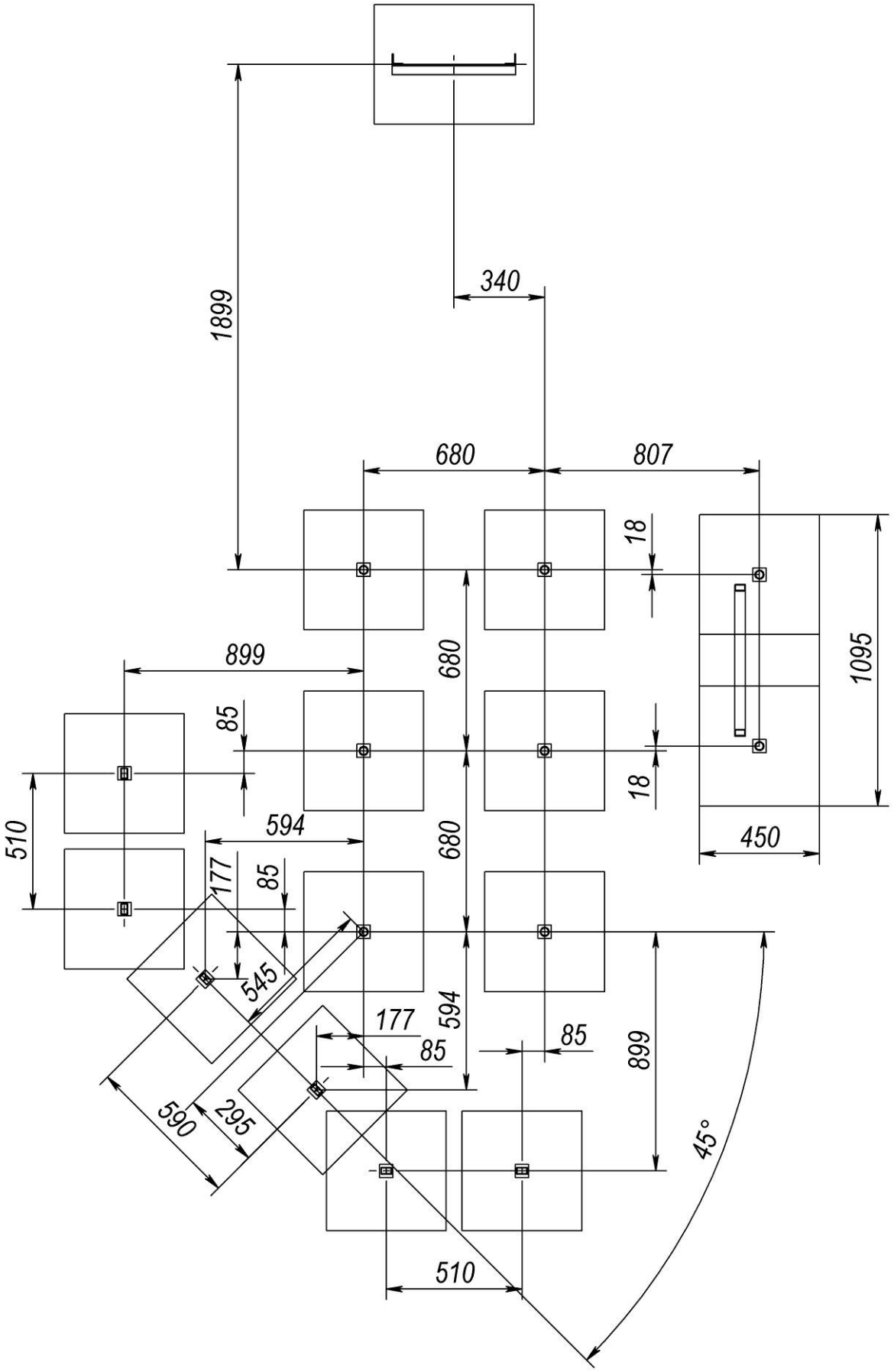
The main annual inspection must be carried out annually by authorised specialists of the manufacturer. During the inspection, the technical condition of the equipment shall be assessed for compliance with safety requirements. The degree of deterioration and damage to wooden elements and their ability 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.

5. TECHNICAL SPECIFICATIONS AND ASSEMBLY SCHEMES

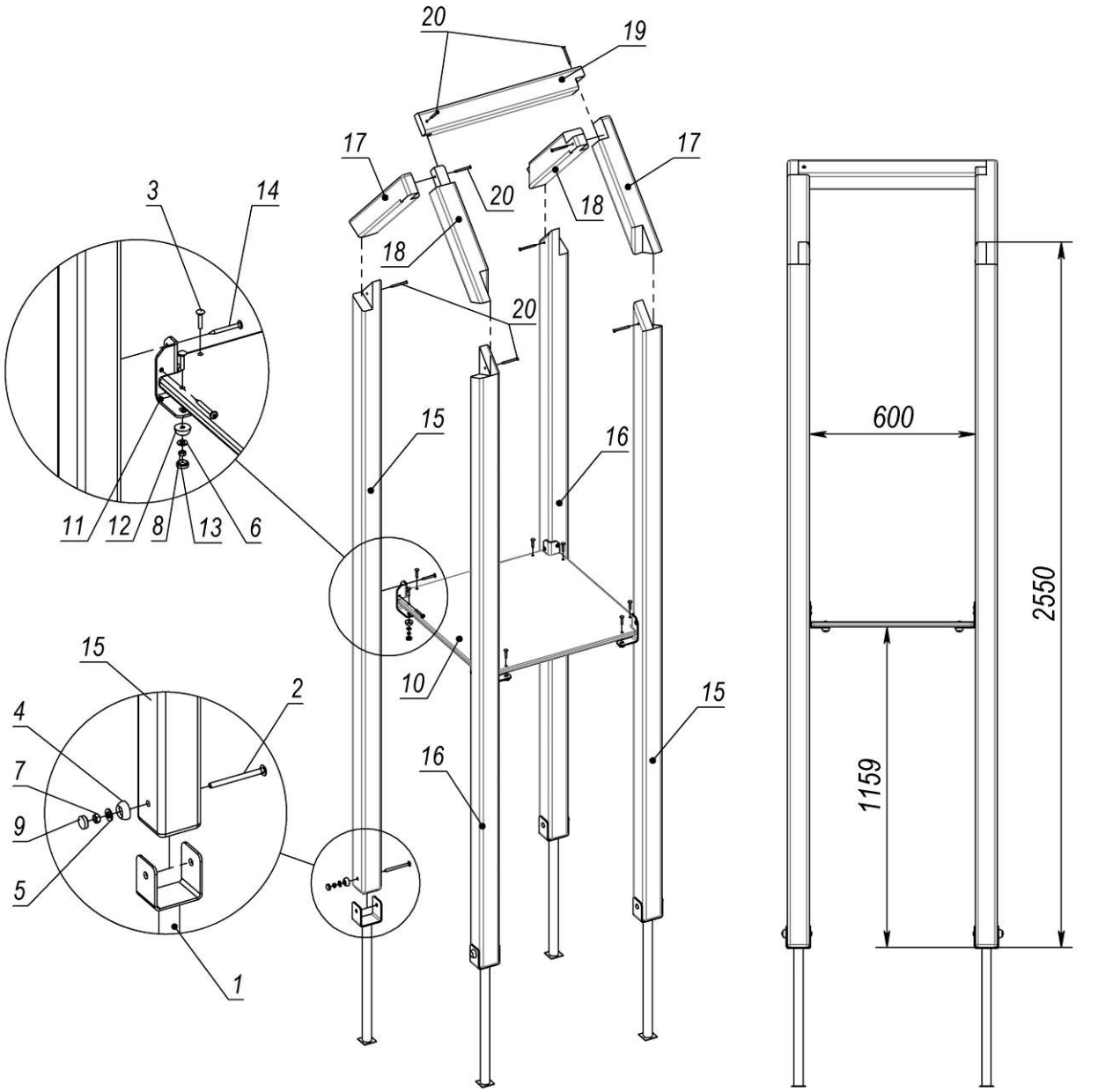
	LK105
Length, mm	**4424**
Width, mm	**2415**
Height, mm	**2899**
Weight, kg	**277**
Free fall height, mm	**1230**
Age range, years	**from 3 to 7**
Weight limits, kg	**to 60**



Picture 1 - Installation area and landing zone



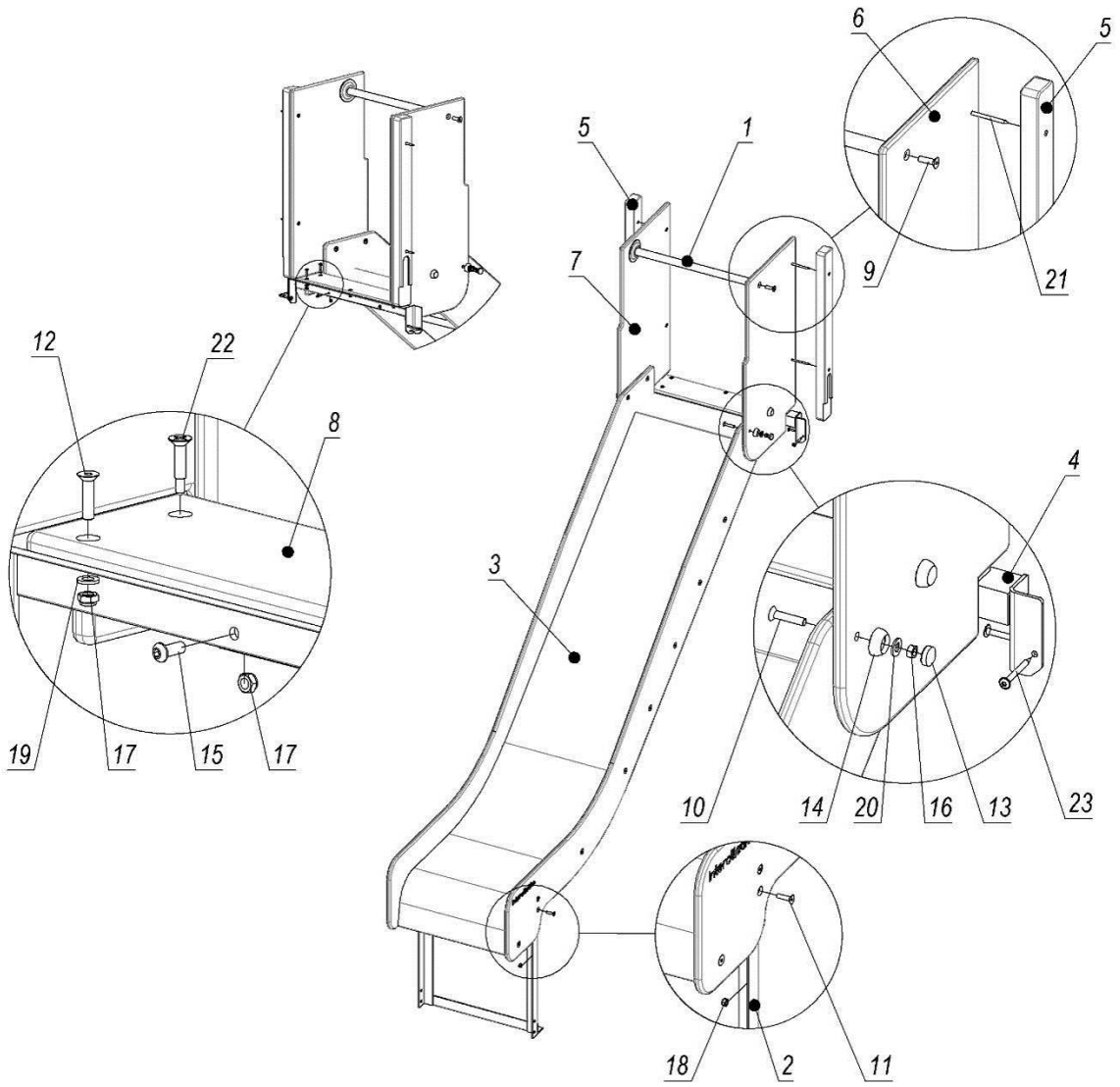
Picture 2 – Layout of the foundations



Pos.	Name	Weight, kg	Q-ty
1	Embedded element	2	4
2	Bolt M8*100		4
3	Bolt M6*30		8
4	Cup M8		4
5	Washer 10		4
6	Washer 8		8
7	Nut M8		4
8	Nut M6		8
9	Cap M8		4
10	Site (0.68x0.68)	6	1

Pos.	Name	Weight, kg	Q-ty
11	Platform bracket		4
12	Cup M6		8
13	Cap M6		8
14	Screw 6.0x60 SPAX T-STAR plus with press washer		8
15	Rack 2.55m	9	2
16	Rack 2.55m	9	2
17	Pediment front	2	2
18	Pediment back	2	2
19	Bar 0.68m	2	1
20	Screw 6x70		8

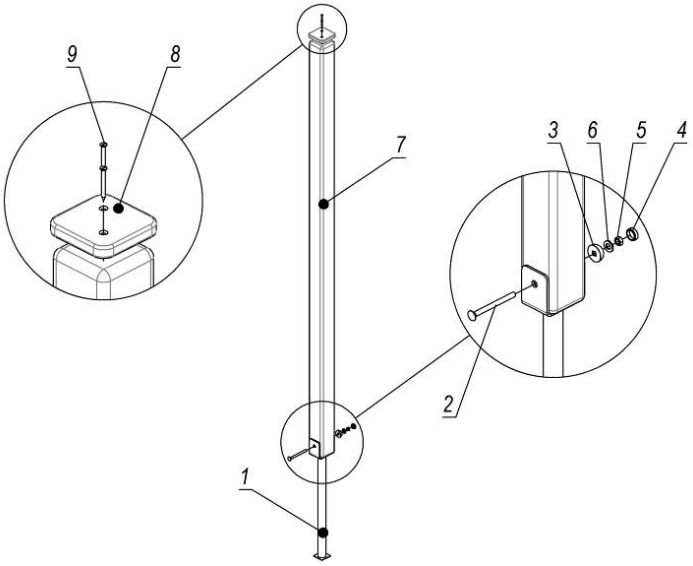
Picture 3 – Assembly scheme of the tower 1.23m



Pos.	Name	Weight, kg	Q-ty
1	Brace rod 493mm	1	1
2	Slide slip (angle)	5	1
3	Slide 1.2m	34	1
4	Slide support	2	1
5	Slide lining		2
6	Upper sidepart right	4	1
7	Upper sidepart left	4	1
8	Overlay (120x510)		1
9	Stud M10x35 DIN7991	26	2
10	Stud M8x40 DIN7991	18	4
11	Stud M8x30 DIN7991	14	4
12	Stud M6x25 DIN7991	6	3

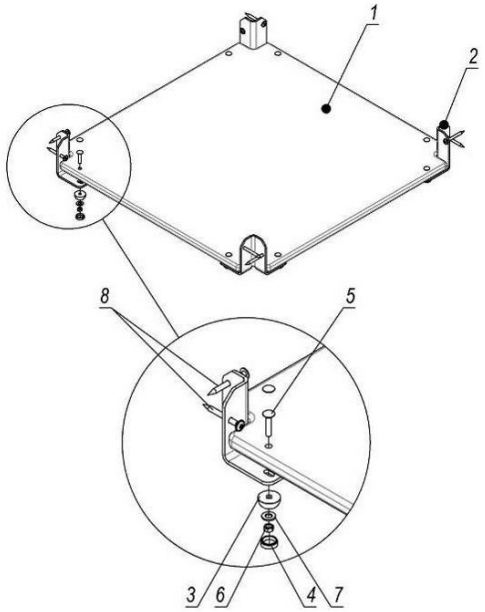
Pos.	Name	Weight, kg	Q-ty
13	Cap M8		4
14	Cup M8		4
15	Stud M6x16 ISO7380		2
16	Nut M8		4
17	Nut M6 DIN985		5
18	Nut M8 DIN985		4
19	Washer 6		3
20	Washer 10		4
21	Washer 6x90		4
22	Screw with a drill 6.3x32 DIN7504P	7	2
23	Screw 6.0x60 SPAX T-STAR plus with press washer (univers.)		4

Picture 4 - Assembly scheme of the slide 1.2m



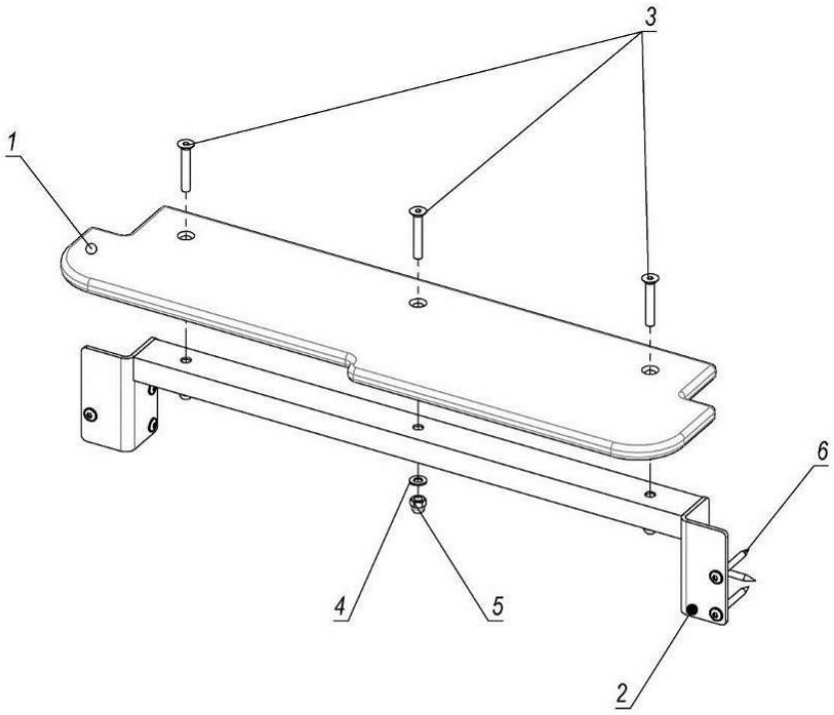
Pos.	Name	Weight, kg	Q-ty
1	Embedded element (series Mini)	1	1
2	Bolt M8*100		1
3	Cup M8		1
4	Cap M8		1
5	Nut M8		1
6	Washer 10		1
7	Rack 2 m	8	1
8	Cap on bar (Mini)		1
9	Screw 4x40		2

Picture 5 – Assembly scheme of the rack 2m



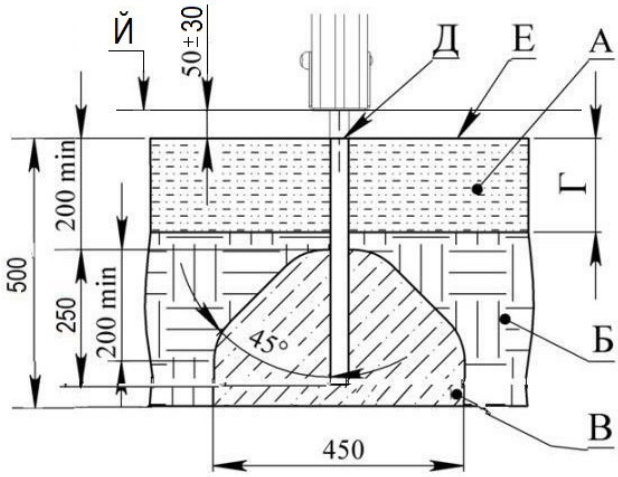
Pos.	Name	Weight, kg	Q-ty
1	Site 0.68x0.68	6	1
2	Platform bracket		4
3	Cup M6		8
4	Cap M6		8
5	Bolt M6*30		8
6	Nut M6		8
7	Washer 8		8
8	Screw 6.0x60 SPAX T-STAR plus (univers.)		8

Picture 6 – The assembly scheme of the site

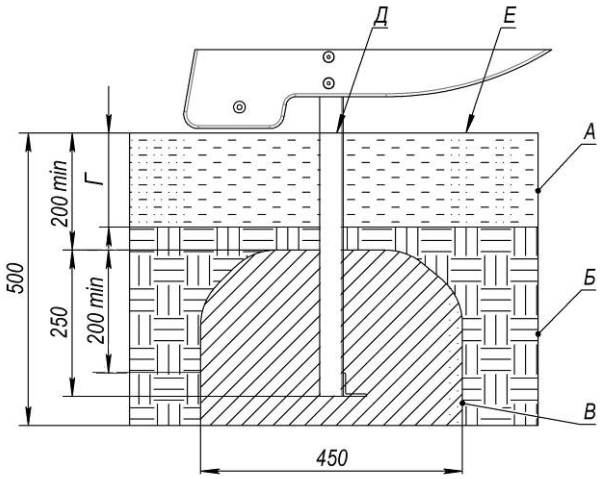


Pos.	Name	Weight, kg	Q-ty
1	Seat	1	1
2	Bench frame	2	1
3	Stud M8x50 DIN7991	22	3
4	Washer 8		3
5	Cap nut M8 DIN1587		3
6	Screw 6.0x60 SPAX T-STAR plus (univers.)		6

Picture 7 – S**eat assembly scheme**



For beams support and other elements



for the 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;

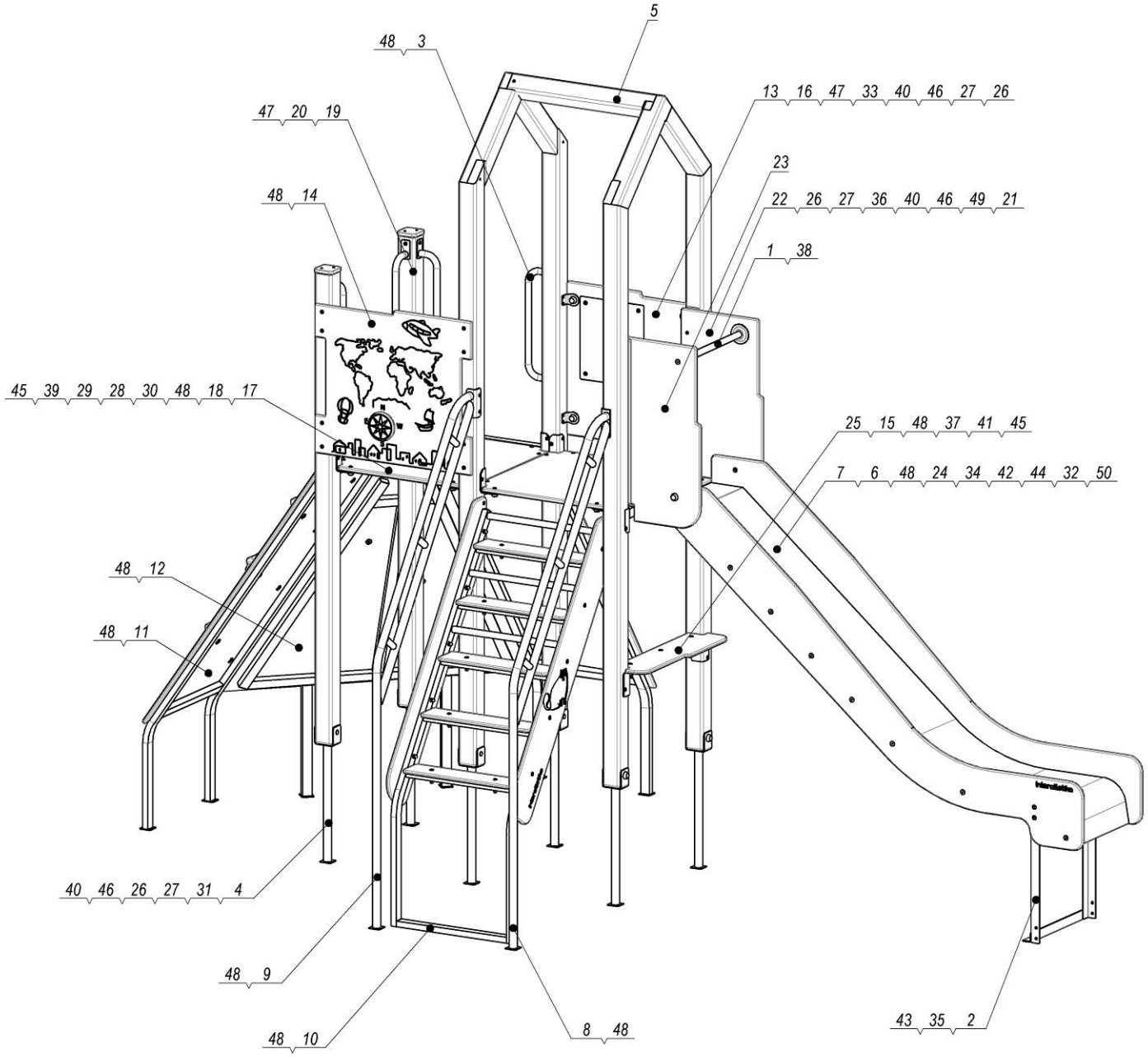
Й – thread.

Examples of impact-absorbing coatings

Material[1]	Description	Minimal depth, mm	Free 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 8 - Concreting scheme

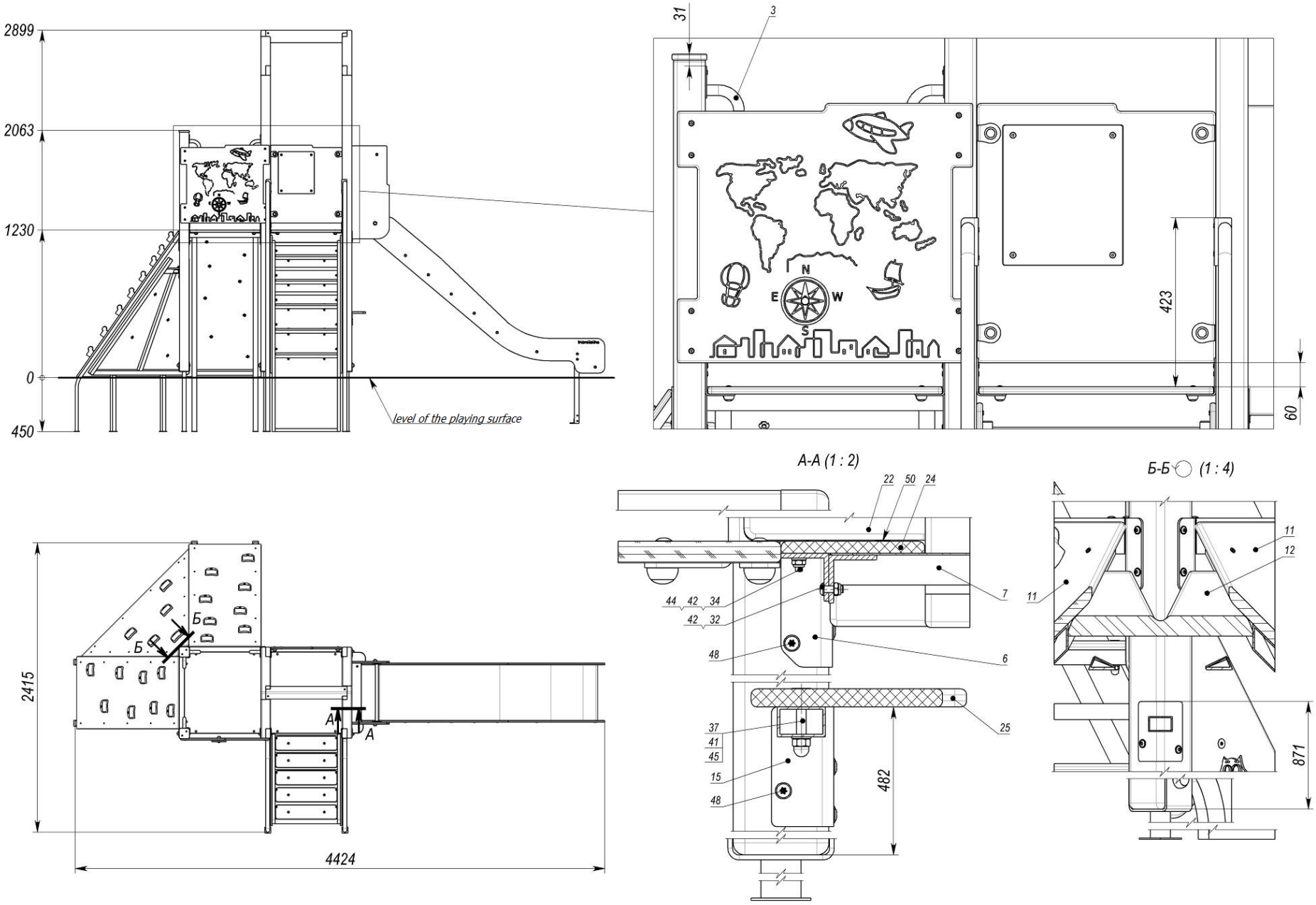

5
48 3
13 16 47 33 40 46 27 26
47 20 19
23
48 14
22 26 27 36 40 46 49 21
1 38
45 39 29 28 30 48 18 17
25 15 48 37 41 45
7 6 48 24 34 42 44 32 50
48 12
48 11
40 46 26 27 31 4
48 9
48 10
8 48
43 35 2

Picture 9

Pos.	Name	Weight, kg	Q-ty
1	Brace rod 493 mm	1	1
2	Slide slip (angle)	5	1
3	Handle		4
4	Embedded element	1	2
5	Tower 1.23m	61	1
6	Slide support	2	1
7	Slide 1.2m	34	1
8	Stairs railing right	9	1
9	Stairs railing left	9	1
10	Ladder with rope 1.2m		1
11	Climber's shield	24	2
12	Climber's shield	24	1
13	Panel 0.6m "Window" right		1
14	Panel "World's map"	6	1
15	Bench frame	2	1
16	Corner bracket 40x60		4
17	Site (0.68x0.68)	6	1
18	Platform bracket		4
19	Rack 2m	8	2
20	Cap on bar		2
21	Slide substrate		2
22	Sidewall upper right	4	1
23	Sidewall upper left	4	1
24	Overlay (120x510)		1
25	Seat (180x675)	1	1

Pos.	Name	Weight, kg	Q-ty
26	Cap M8		8
27	Cup M8		8
28	Cup M6		8
29	Cap M6		8
30	Bolt M6*30		8
31	Bolt M8*100		2
32	Stud M6x16 ISO7380		2
33	Stud M8x30 ISO7380		4
34	Stud M6x25 DIN7991		3
35	Stud M8x30 DIN7991		4
36	Stud M8x40 DIN7991		2
37	Stud M8x50 DIN7991		3
38	Stud M10x35 DIN7991		2
39	Nut M6		8
40	Nut M8		8
41	Cap nut M8 DIN1587		3
42	Nut M6 DIN985		5
43	Nut M8 DIN985		4
44	Washer 6		3
45	Washer 8		11
46	Washer 10		8
47	Screw 4x40		12
48	Screw 6x60 SPAX T-STAR plus (univers.)		56
49	Screw 6x90		4
50	Screw with a drill 6.3x32 DIN7504P		2

Picture 10


2899
2063
1230
0
450
level of the playing surface
31
3
423
60
N
E
W
S
2415
4424
Б
Б
А
А
А-А (1 : 2)
Б-Б (1 : 4)
22
50
24
7
44
42
34
42
32
48
6
25
37
41
45
15
48
482
11
12
11
871

Picture 11