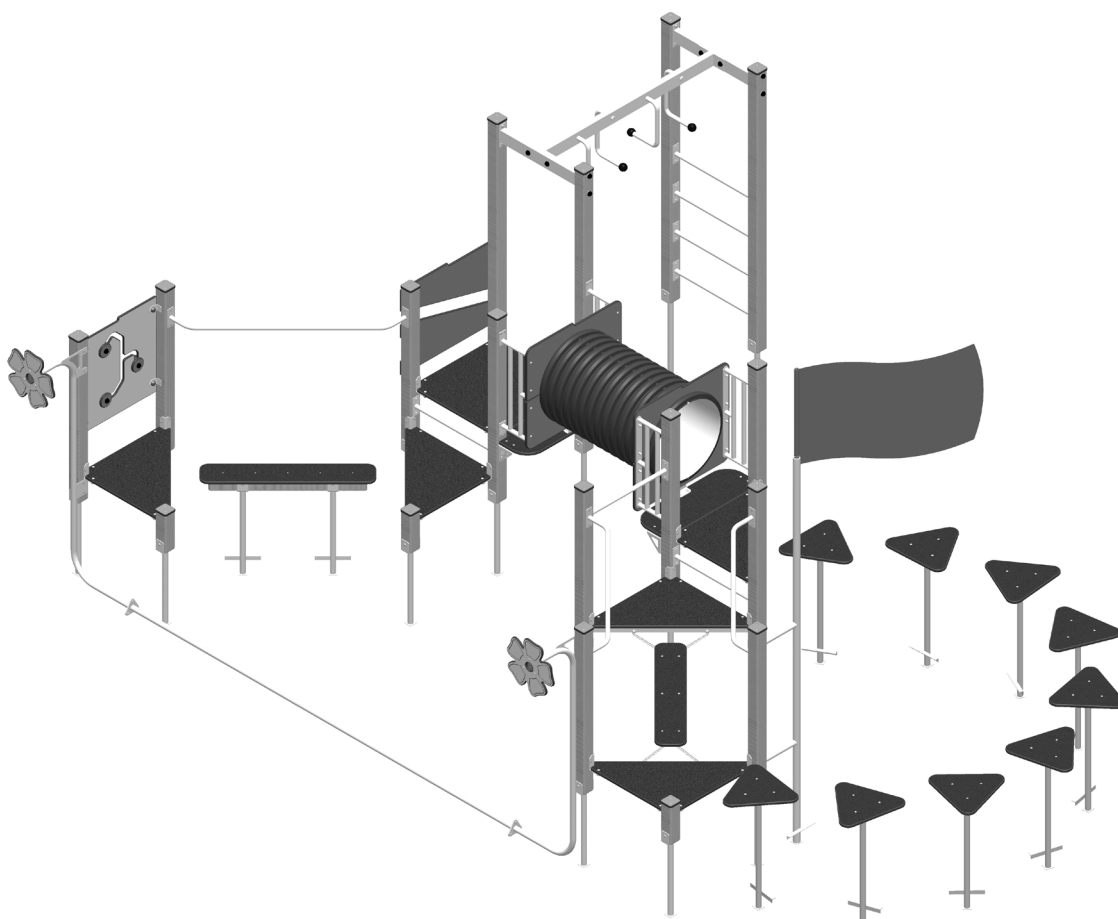


DATA SHEET

Playground complex LK150.2



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FOR NOTES

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

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 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	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

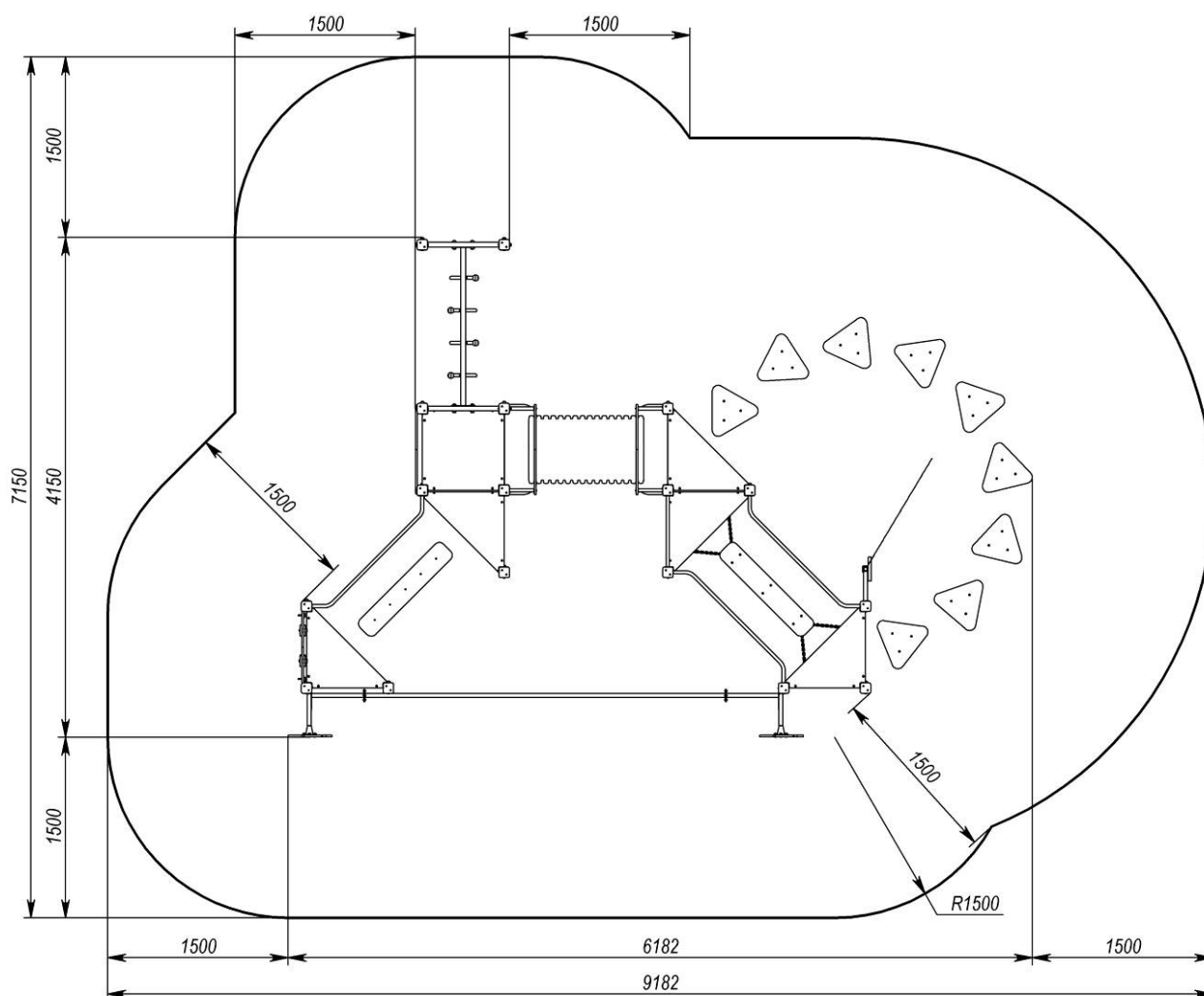
Date		Product storage conditions	Full name	Signature
Putting into storage	Removal from storage			

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.

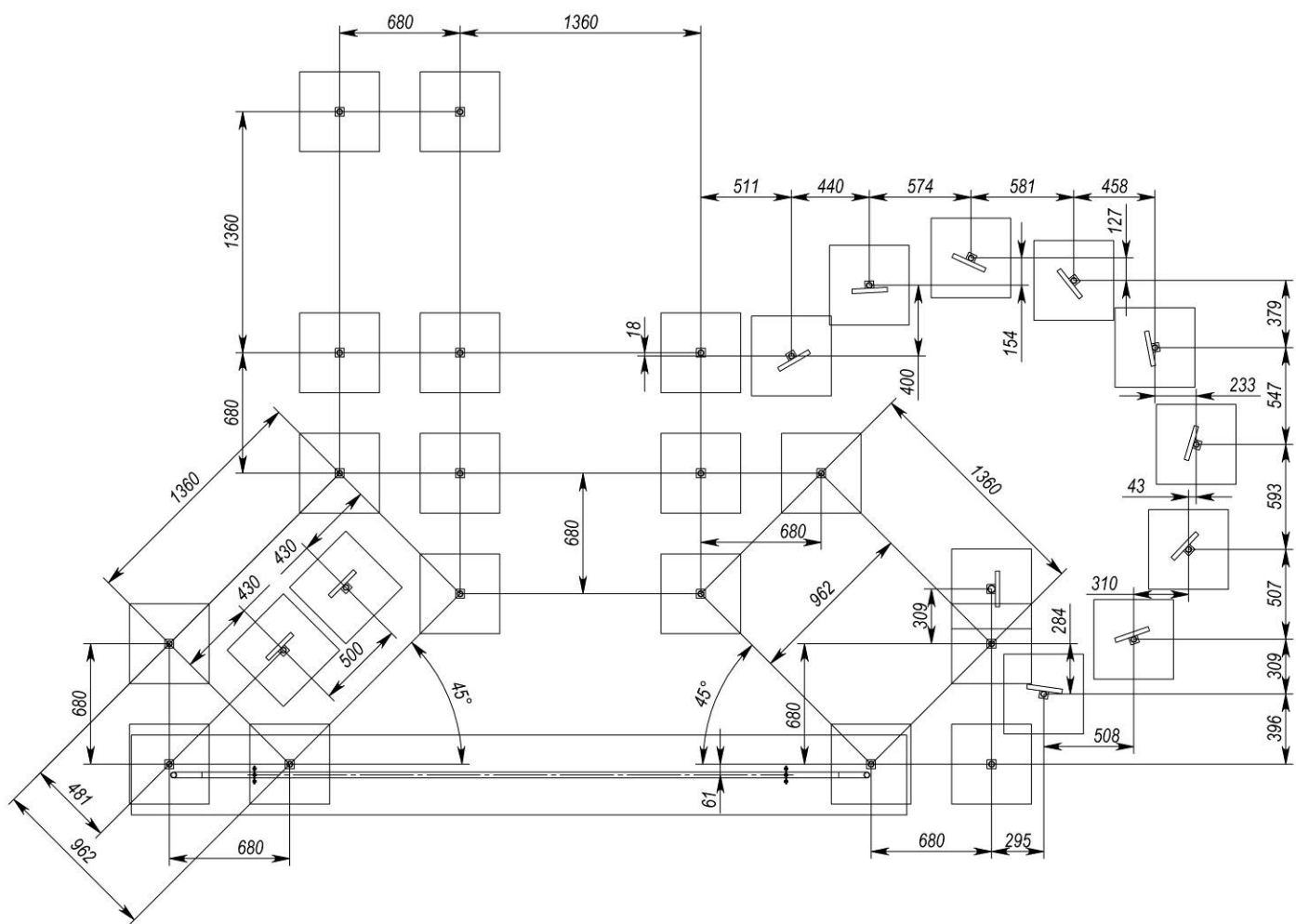
The equipment does not contain harmful impurities and materials that can harm your health and is not subject to special disposal.

6. TECHNICAL CHARACTERISTICS AND ASSEMBLY SCHEMES

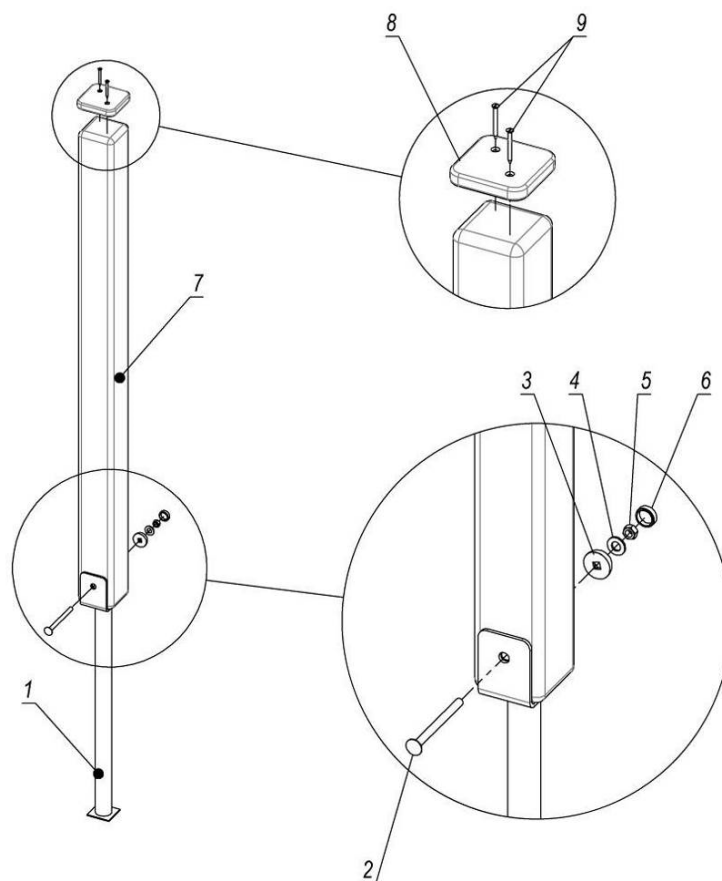
	LK150.2
Length, mm	6182
Width, mm	4147
Height, mm	2760
Weight, kg	300
Fall height, mm	1590
Age range, years	from 3 to 7
Weight limits, kg	to 60



Picture 1 - Landing zone

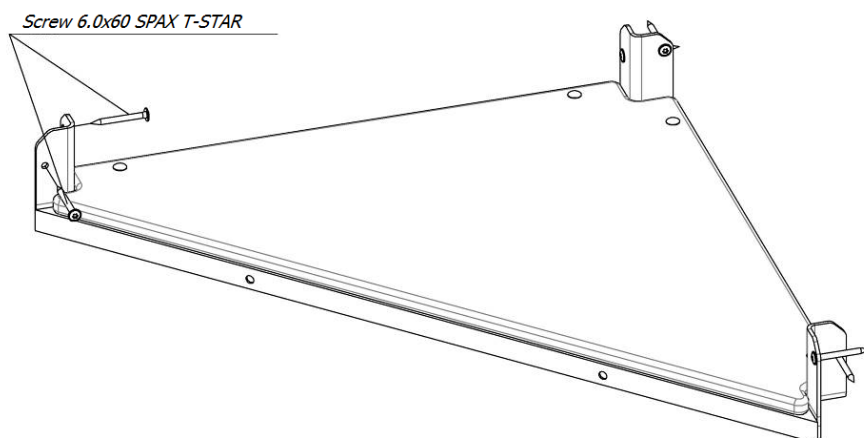


Picture 2 – Layout scheme of foundations

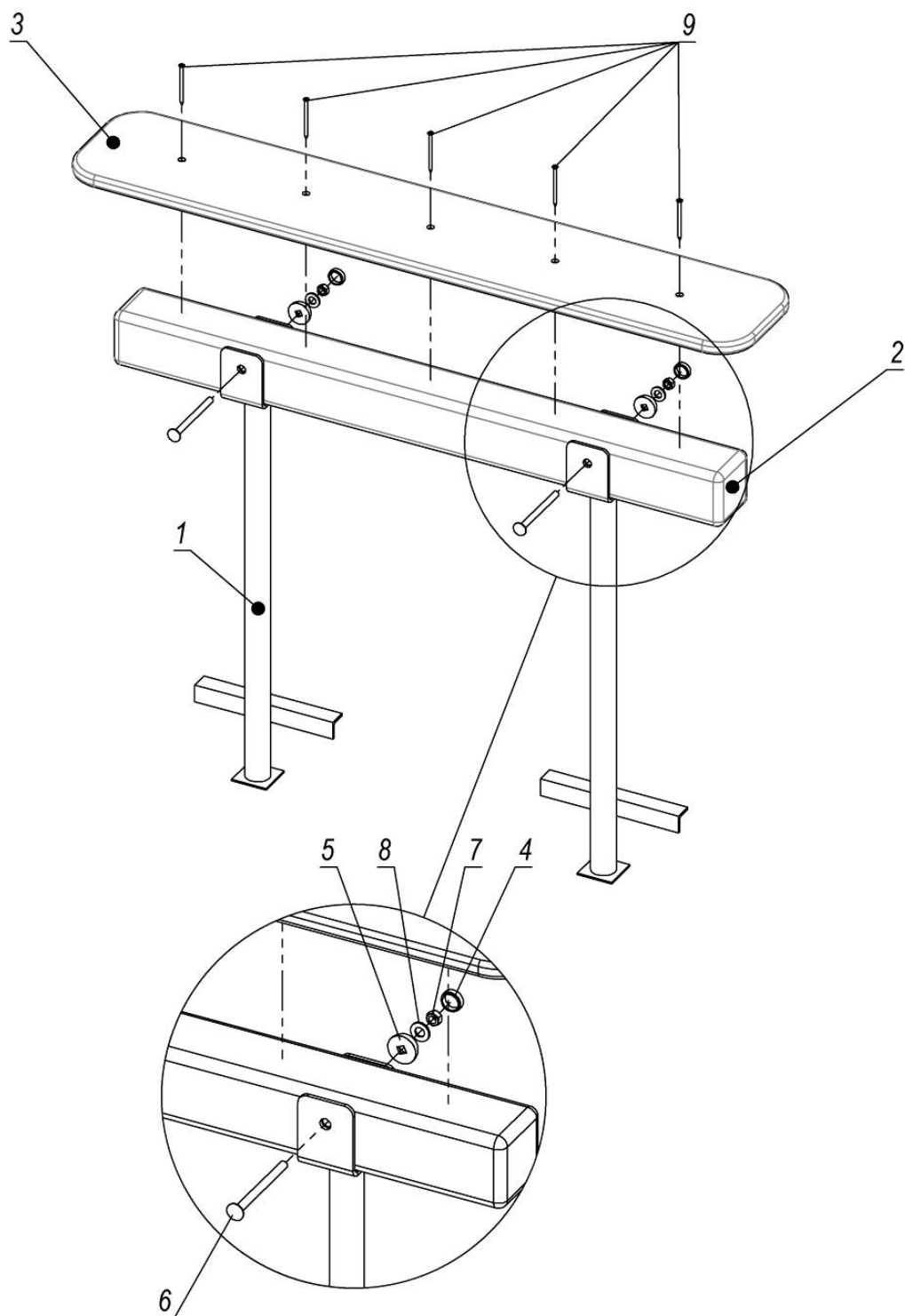


Pos.	Name	Weight, kg	Q-ty
1	Embedded element	2	1
2	Bolt M8*100 GOST7802		1
3	Cup M8		1
4	Washer 10 GOST11371		1
5	Nut M8 GOST5915		1
6	Cap M8		1
7	Rack 1.1m	4	1
8	Cap on bar		1
9	Screw 4x40 GOST1145		2

Picture 3 – Rack assembly scheme

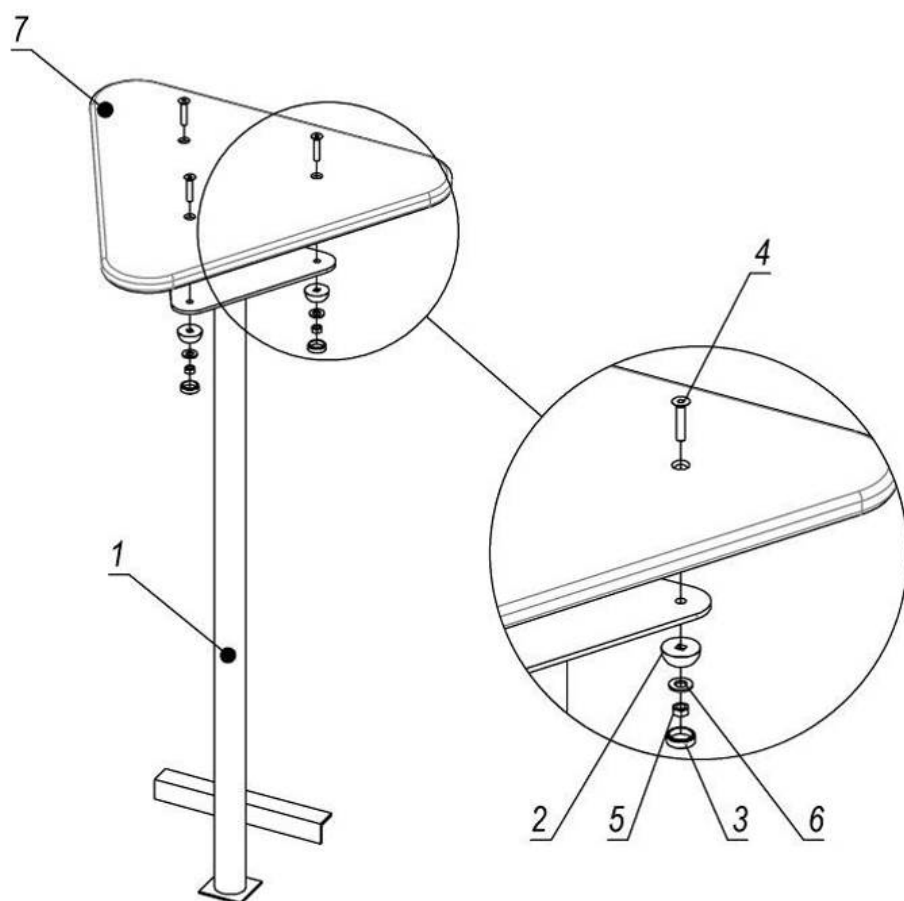


Picture 4 – Platform assembly scheme



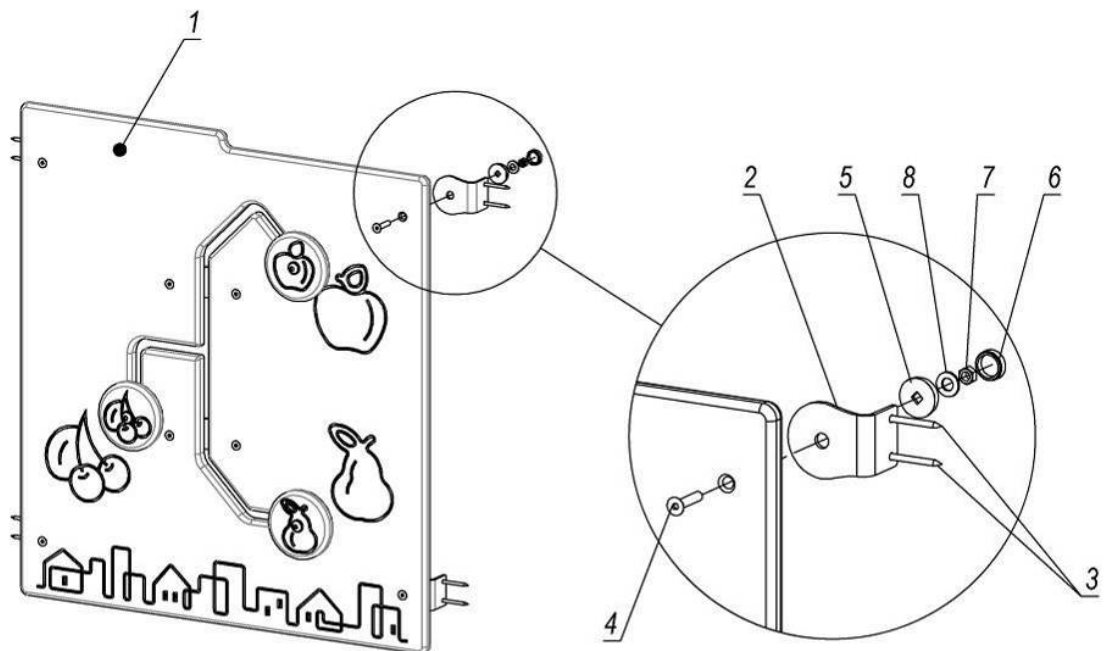
Pos.	Name	Weight, kg	Q-ty
1	Embedded element	2	2
2	Deck	3	1
3	Cover plate	2	1
4	Cap M8		2
5	Cup M8		2
6	Bolt M8*100 GOST7802		2
7	Nut M8 GOST5915		2
8	Washer 10 GOST11371		2
9	Screw 4x60 GOST1145		5

Picture 5 – Assembly scheme of stationary deck



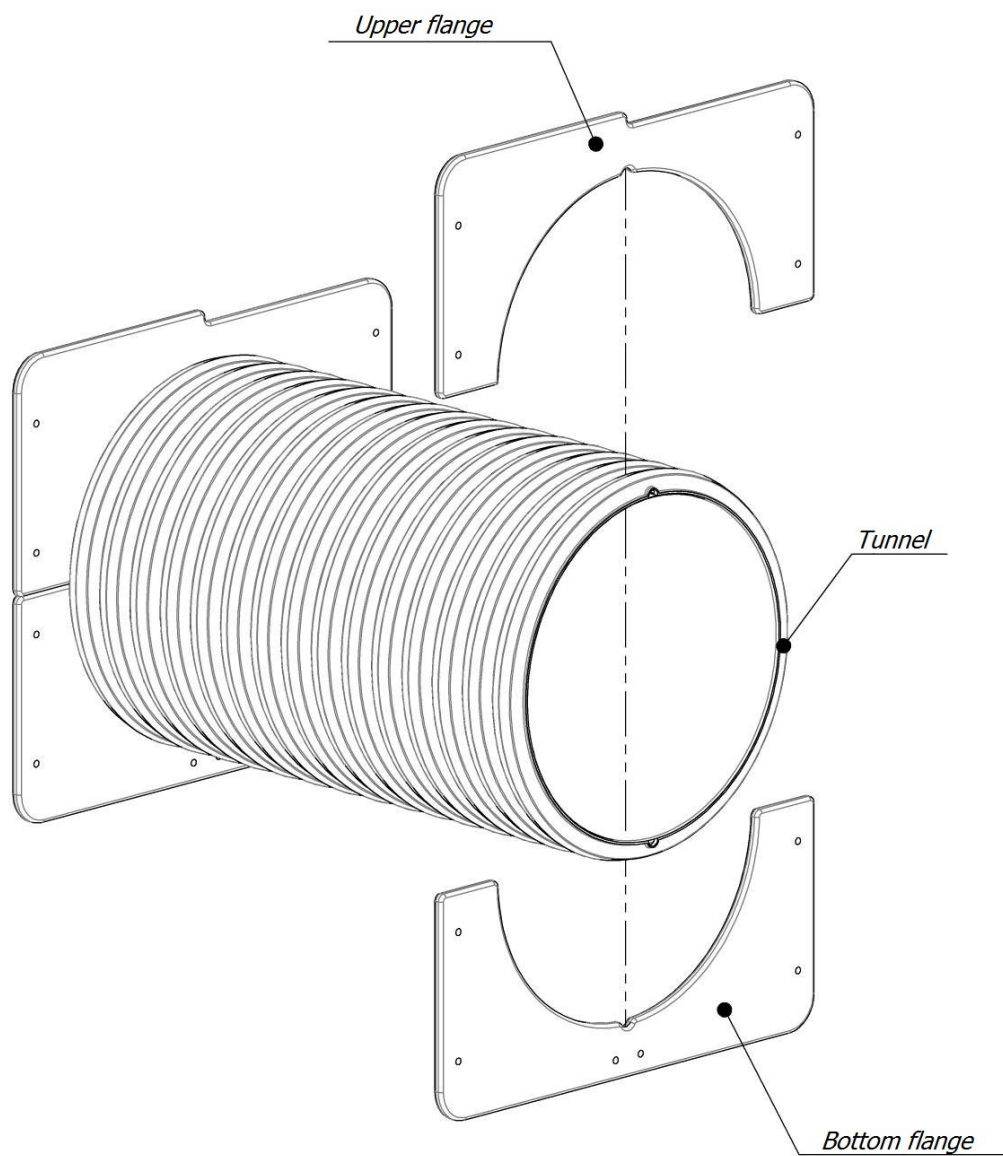
<i>Pos.</i>	<i>Name</i>	<i>Weight, kg</i>	<i>Q-ty</i>
1	Embedded element	3	1
2	Cup M6		3
3	Cap M6		3
4	Stud M6x30 DIN7991	7	3
5	Nut M6 GOST5915		3
6	Washer 8 GOST11371		3
7	Cover plate	1	1

Picture 6 – Assembly scheme of stump

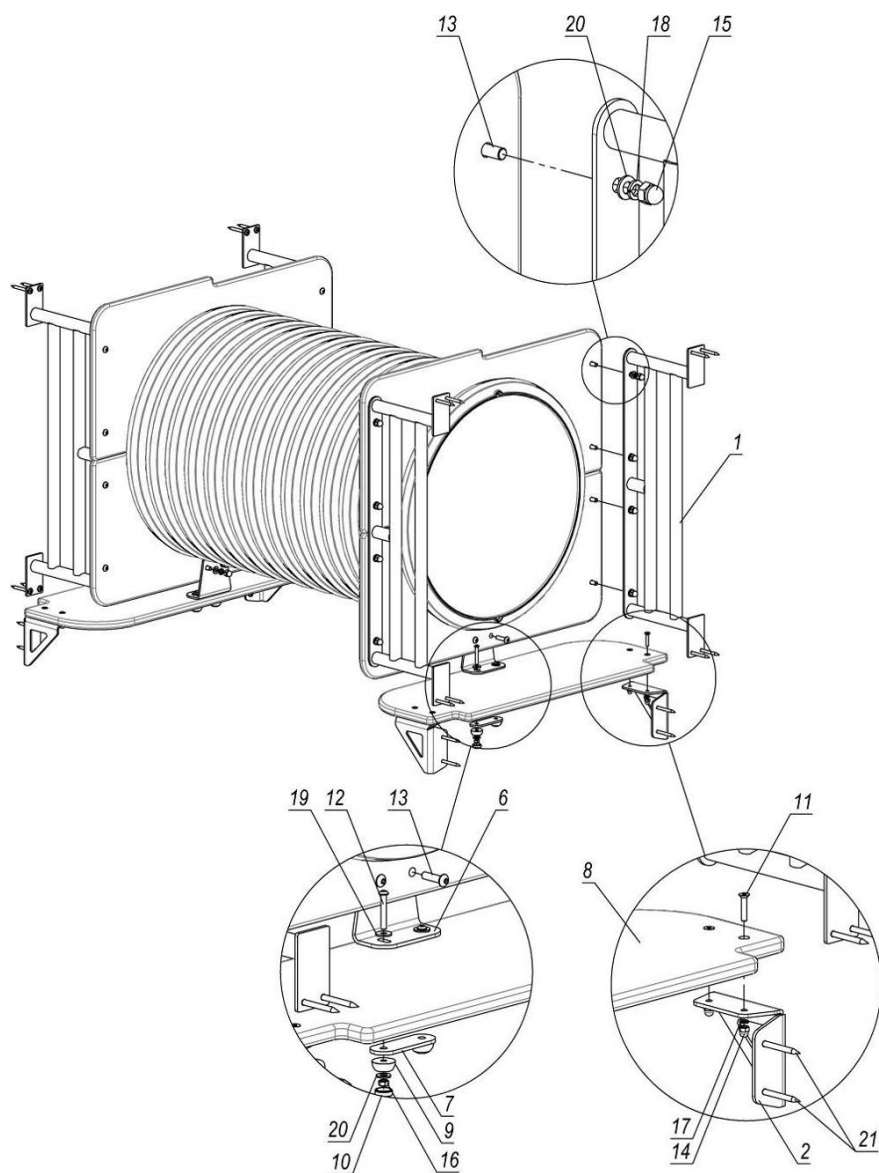


<i>Pos.</i>	<i>Name</i>	<i>Weight, kg</i>	<i>Q-ty</i>
1	Panel "Fruits" assembly	6	1
2	Corner bracket 40x60		4
3	Screw 4x40 GOST1145		8
4	Stud M6x30 DIN7991	7	4
5	Cup M6		4
6	Cap M6		4
7	Nut M6 GOST5915		4
8	Washer 8 GOST11371		4

Picture 7 – Panel assembly scheme

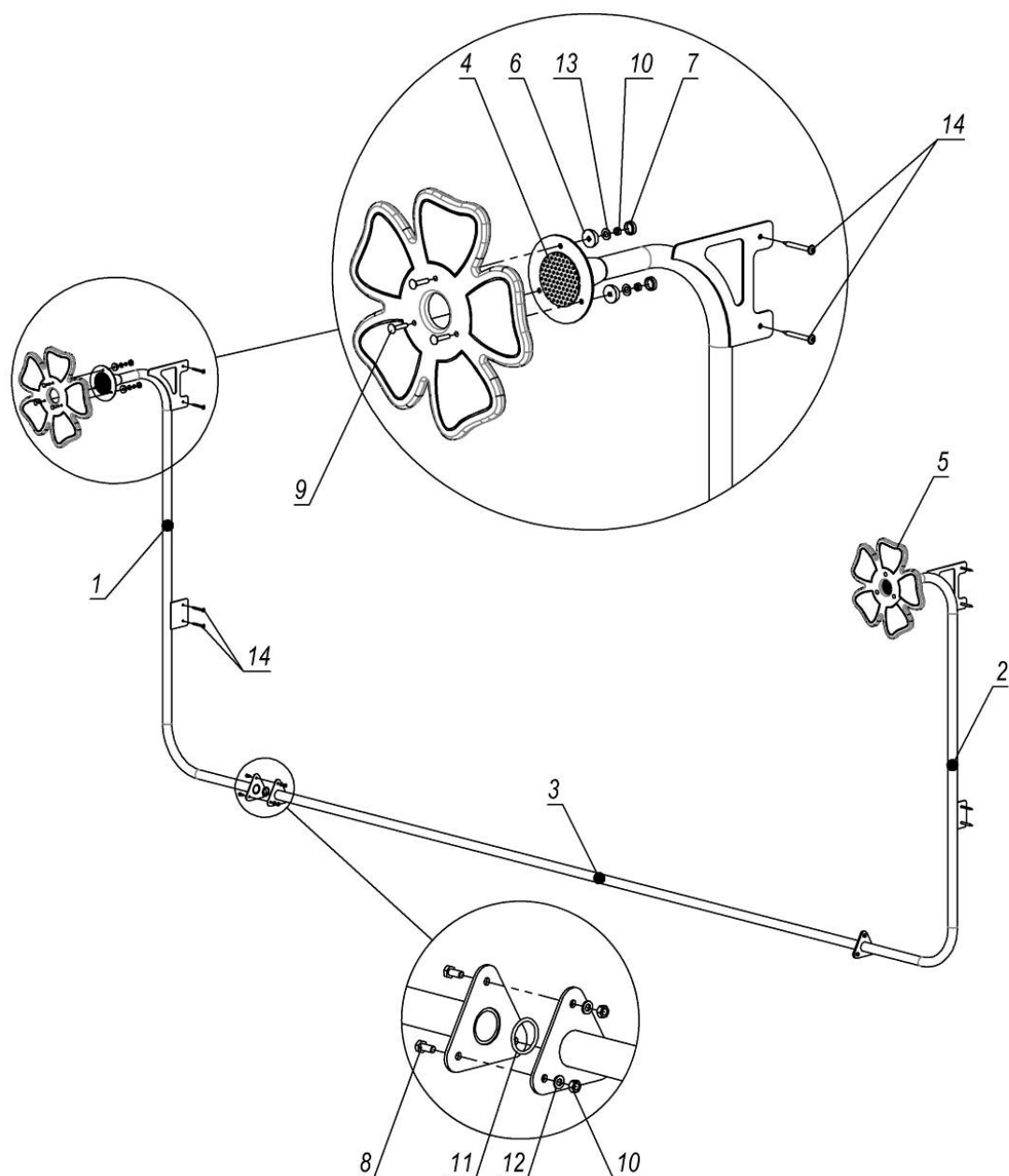


Picture 8 – Assembly scheme of the tunnel crossing



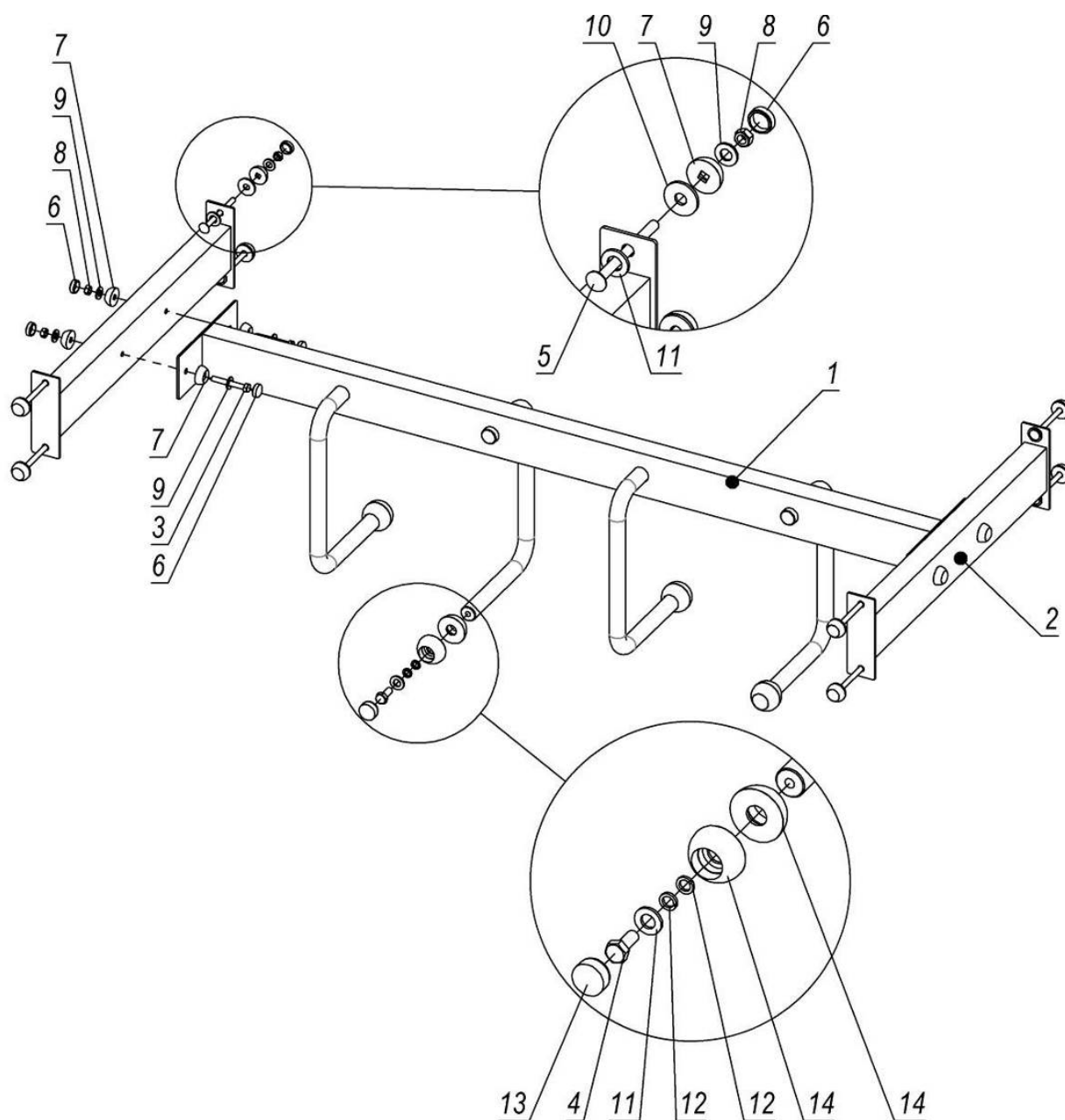
Pos.	Name	Weight, kg	Q-ty
1	Tunnel sidepart	3	4
2	Table angle bar		4
3	Tunnel	9	1
4	Upper flange	2	2
5	Bottom flange	2	2
6	Angle bar		2
7	Flange 4*30*90 mm		2
8	Balcony floor 0.72 m	2	2
9	Cup M6		4
10	Cap M6		4
11	Stud M6x30 DIN7991		8
12	Stud M6x40 ISO7380		4
13	Stud M8x30 ISO7380		20
14	Cap nut M6 DIN1587		8
15	Cap nut M8 DIN1587		20
16	Nut M6 GOST5915		4
17	Washer 6 GOST6402		8
18	Washer 8 GOST6402		20
19	Washer 6 GOST6958		4
20	Washer 8 GOST11371		24
21	Screw 6.0x60 SPAX T-STAR plus (univers.)		24

Picture 8.1 – Assembly scheme of the tunnel crossing



Pos.	Name	Weight, kg	Q-ty
1	Intercom device rack	6	1
2	Intercom device rack	6	1
3	Communication tube	7	1
4	Filter		2
5	Cover plate	1	2
6	Cup M6		6
7	Cap M6		6
8	Bolt M6*14 GOST 7798		6
9	Bolt M6*30 GOST7802		6
10	Nut M6 GOST5915		12
11	Ring 028-033-30 GOST 9833-73 (27.5x3)		2
12	Washer 6 GOST11371		12
13	Washer 8 GOST11371		6
14	Screw 6.0x60 SPAX T-STAR plus (univers.)		8

Picture 9 – Assembly scheme of the intercom device



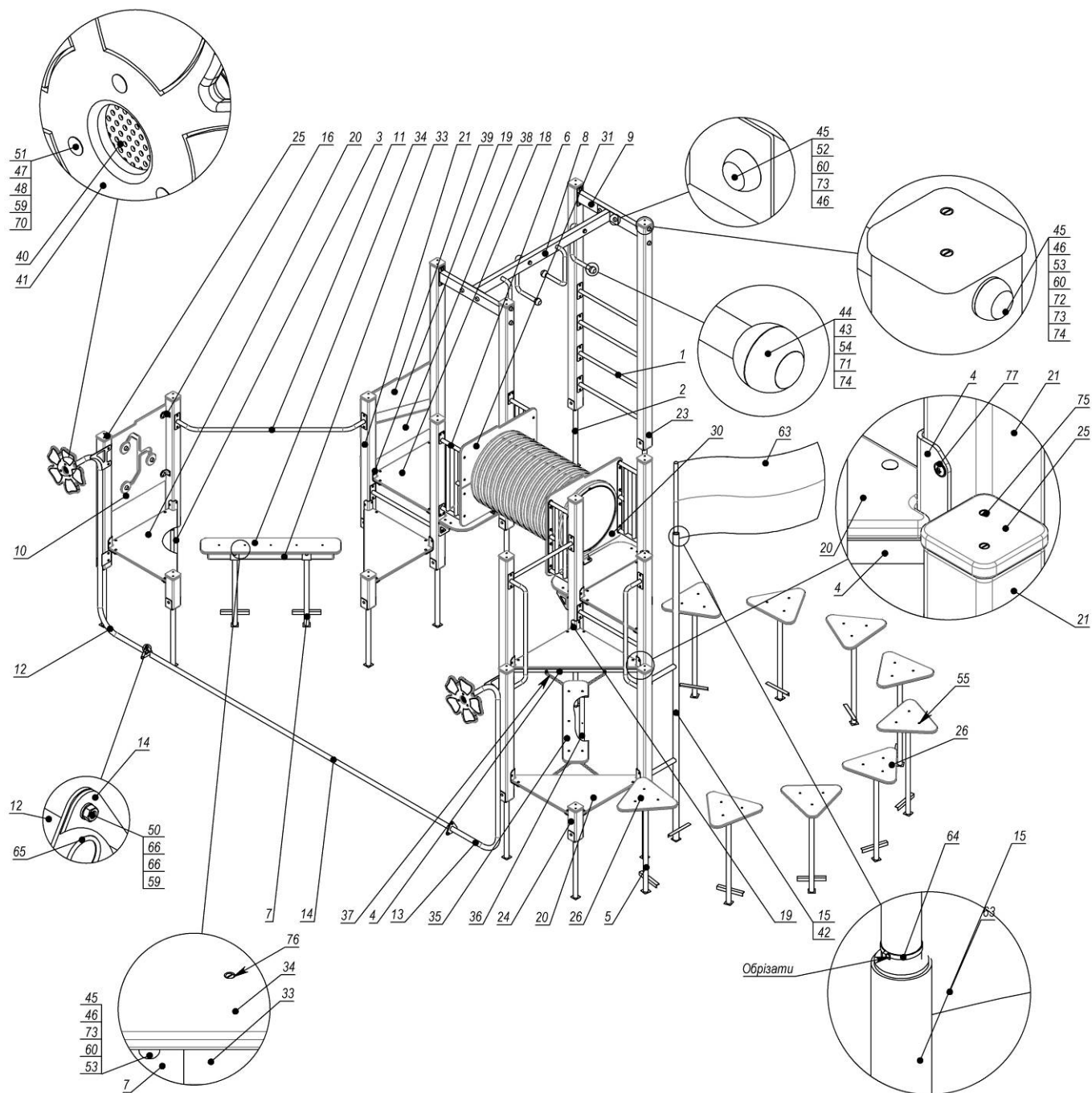
Pos.	Name	Weight, kg	Q-ty
1	Longitudinal beam	17	1
2	Cross beam	4	2
3	Bolt M8*60 GOST 7798		4
4	Bolt M10*25 GOST7798		4
5	Bolt M8*100 GOST7802		8
6	Cap M8		16
7	Cup M8		16
8	Nut M8 GOST5915		12
9	Washer 10 GOST11371		16
10	Washer 10 GOST6958		8
11	Washer 12 GOST11371		12
12	Washer 10 GOST6402		8
13	Cap M10, M12		4
14	Cup M10, M12		8

Picture 10 – Monkey bar assembly scheme

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.			

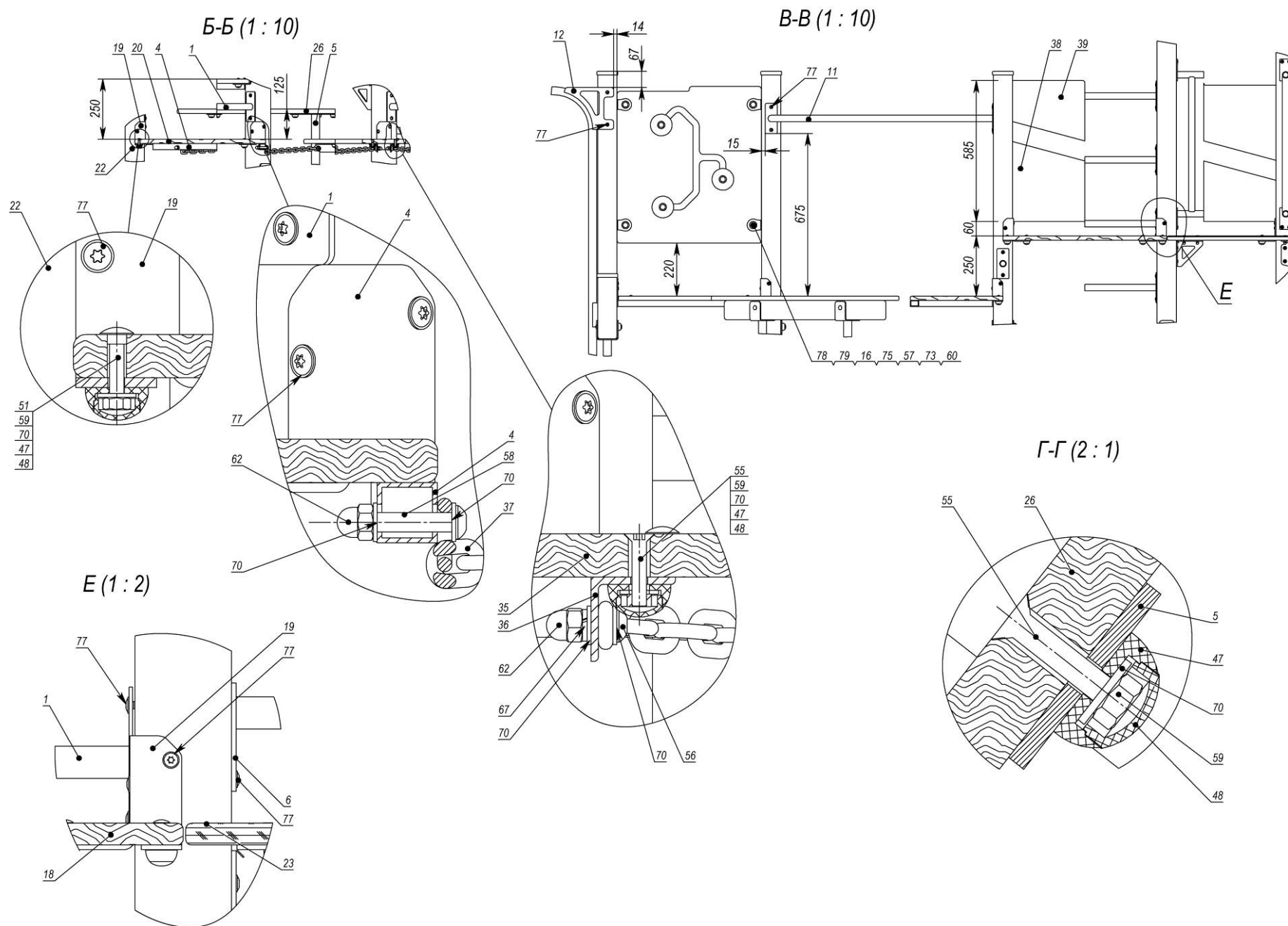
Picture 12 - Concreting scheme



Picture 13

Pos.	Name	Weight, kg	Q-ty	Pos.	Name	Weight, kg	Q-ty
1	Brace rod (L=600 mm)	1	7	41	Cover plate		2
2	Embedded element	2	17	42	Plug DN20-F25		1
3	Binder	2	3	43	Cap M10, M12		4
4	Binder	2	2	44	Cup M10, M12		8
5	Embedded element	3	9	45	Cap M8		35
6	Tunnel sidepart	3	4	46	Cup M8		35
7	Embedded element	2	2	47	Cup M6		71
8	Longitudinal beam	17	1	48	Cap M6		71
9	Cross beam	4	2	49	Stud M6*40 ISO 7380 (half-round)		4
10	Panel "Fruits" assembly	6	1	50	Bolt M6*14 DIN933 (full thread)		6
11	Handrail	2	3	51	Bolt M6*30 DIN 603 (furniture)		34
12	Intercom device rack	6	1	52	Bolt M8*60 DIN 933 (full thread)		4
13	Intercom device rack	6	1	53	Bolt M8*100 DIN 603 (furniture)		27
14	Binder	7	1	54	Bolt M10*25 DIN 933 (full thread)		4
15	Frame	10	1	55	Stud M6x30 DIN7991		41
16	Corner bracket 40x60		4	56	Stud M8*20 ISO 7380 (half-round)		4
17	Table angle bar		4	57	Stud M8*30 ISO 7380 (half-round)		24
18	Site (0.68x0.68)	6	1	58	Stud M8*40 ISO 7380 (half-round)		4
19	Platform bracket		9	59	Nut M6 DIN 934 (hexagonal)		77
20	Triangular pallet	3	5	60	Nut M8 DIN 934 (hexagonal)		35
21	Rack 1.1 m	4	7	61	Nut M6 DIN 1587 (cap nut)		8
22	Rack 1.25 m	5	3	62	Nut M8 DIN 1587 (cap nut)		28
23	Rack 1.9 m	7	4	63	Ukrainian flag 100x65 cm (without loops)		1
24	Rack 0.26 m		3	64	Brace rod 3.5x140		1
25	Cap on bar		17	65	Ring 028-033-30 GOST 9833-73 (27.5x3)		2
26	Cover plate		9	66	Washer 6 DIN 125 (flat)		12
27	Balcony floor 0.72 m	3	2	67	Washer 8 DIN 7980 (spring)		24
28	Flange 4*30*90 mm		2	68	Washer 6 DIN 7980 (spring)		8
29	Angle bar		2	69	Washer 6 DIN 9021 (enlarged)		4
30	Upper flange	2	2	70	Washer 8 DIN 125 (flat)		107
31	Bottom flange	2	2	71	Washer 10 DIN 7980 (spring)		8
32	Tunnel	9	1	72	Washer 10 DIN 9021 (enlarged)		8
33	Deck	3	1	73	Washer 10 DIN 125 (flat)		39
34	Cover plate	2	1	74	Washer 12 DIN 125 (flat)		12
35	Cover plate	2	1	75	Screw 4*40 DIN 7997 (countersunk-univers., PZ)		42
36	Beam	1	2	76	Screw 4*60 DIN 7997 (countersunk-univers., PZ)		5
37	Chain 6x18.5-16 DIN766 (L=310 mm)		4	77	Screw 6x60 SPAX T-STAR plus (flat, TX30)		122
38	Shield		1	78	Cap M8		4
39	Shield		1	79	Cup M8		4
40	Sheet 2 perfo f80		2				

Picture 14



Picture 16