

interatletika™

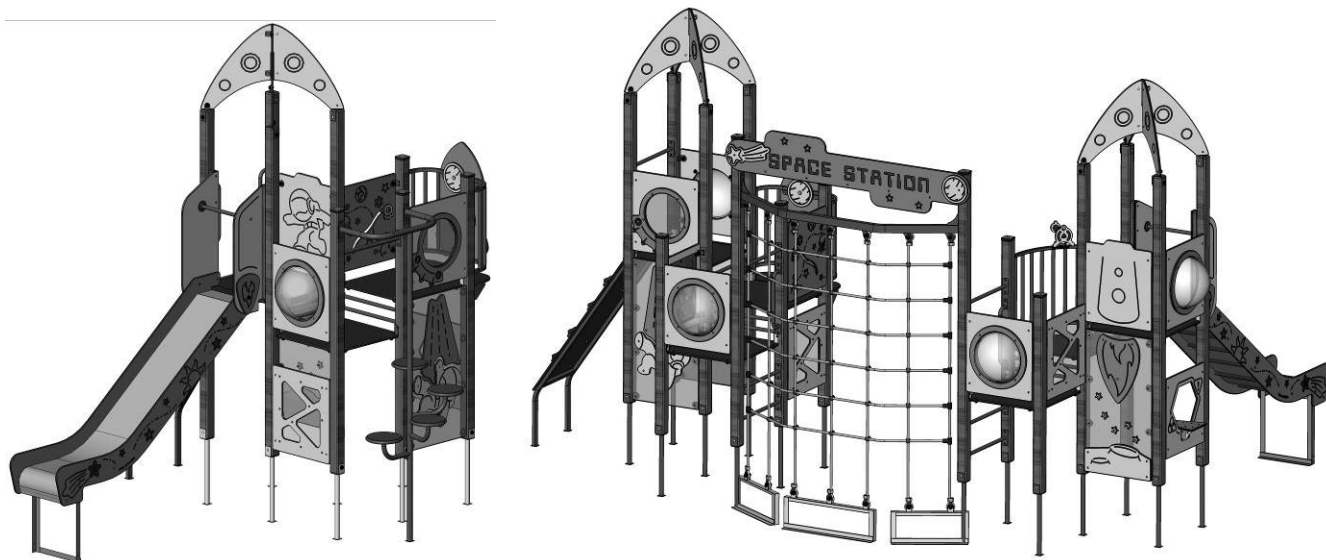
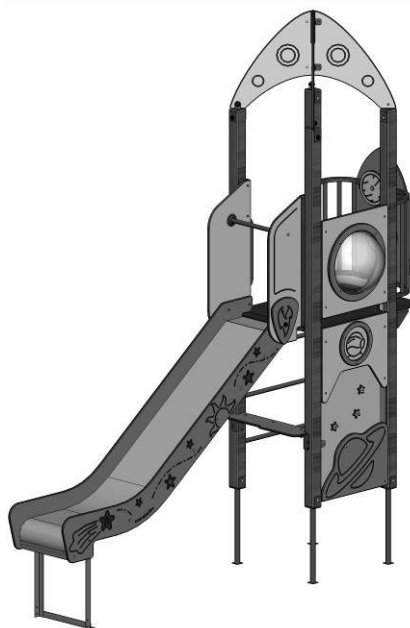
PRODUCTION AND SALE OF CHILDREN'S AND OUTDOOR
EQUIPMENT

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LK103-COSMOS - Playground complex " Rocket launch"
LK106-COSMOS - Playground complex "Trip to the stars"
LK110-COSMOS - Playground complex " Space station"

DATA SHEET



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FOR NOTES

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1. GENERAL INFORMATION

1.1 Item number _____.

1.2 Name _____.

1.3 Manufacturer LLC «Company Sporttechnika», Ukraine, city of Chernihiv, Ushynsky St., 24.

1.4 Serial number and production date: _____, «____» _____ 20__ year.

1.5 Produced in accordance with regulatory documents: TC AT 28.9-31597759-001:2012.

1.6 The product is designed for children and creates conditions for:

- physical development of the child;

- development of coordination of movements, overcoming fear of heights, development of agility and courage, a sense of teamwork in team games.

The 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. TECHNICAL DATA

	LK103-COSMOS	LK106-COSMOS	LK110-COSMOS
Length, mm	3147	3829	5890
Width, mm	958	3074	3854
Height, mm	3205	3205	3205
Height of fall, mm	1230	1230	1230
Weight, kg	167	295	511
Age range, years	3...7		
Weight limits, kg	to 60		

3. COMPLETENESS

The product completeness is given in the «List of equipment» and «Hardware configuration», supplied with the product.

4. CERTIFICATE OF ACCEPTANCE, PACKAGING AND PRESERVATION

Product _____, serial number _____ complies with regulatory documents TC AT 28.9-31597759-001:2012 and recognised as roadworthy.

OTC mark: «____» _____ 20__ year.

Date

Full name

S.P.

Packed by LLC «Company Sporttechnika» in accordance with the requirements of regulatory documents.

«____» _____ 20__ year.

Date of packing

Packed by _____

Full name

Signature

Information on preservation and deconservation during operation

Preservation date	Preservation method	Preservation period	Deconservation date	Name of the company (organisation)	Position, full name	Signature

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	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 dispose, 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. INSPECTION AND VERIFICATION

Before starting the operation of the product, it is visually inspected, checked: the integrity of paint coating, fasteners and structural strength.

If there are concrete support parts of the product, make sure that they are securely fixed and do not move.

Check that the equipment and site are free from packaging materials, construction debris and other foreign objects.

Check the proper condition of the shock-absorbing surfaces on the playground.

7. MAINTENANCE

Timely maintenance of the product is the responsibility of the buyer (or a responsible person) and includes:

1. Daily inspection - before using the product, check its performance, visual inspection for the absence of breakdowns, damage, sharp edges on components and parts, structural integrity, strength of wooden structures and element connection points, absence of unnecessary objects on the platforms. If the product is damaged, fully or partially inoperable, or otherwise defective, it is prohibited to use the product.

2. Scheduled inspection is carried out every three months.

It involves a detailed visual and operational inspection of the operation and stability of the equipment, especially with regard to any wear.

In the process of inspection, they determine:

- cleanliness and appearance of the surface of the playground and equipment;
- maintaining distances from parts of the equipment to the surface of the playground;
- absence of protruding parts of the foundations;
- absence of defects/malfunctions of equipment elements;
- wear of moving parts;
- structural integrity of equipment.

Special attention should be paid to hidden and inaccessible parts of the equipment.

3. Annual inspection is held every 12 months to establish the overall safety level of the equipment.

In the process of visual and functional inspection it is determined:

- structural stability;
- integrity of the foundation;
- strength of units of item elements connection;
- wear of sliding surfaces and grips.

Special attention should be given to:

- assessing the impact of weather events;
- the presence of rot or corrosion;
- parts that are closed to access during the entire period of operation.

The results of the inspection, repair or replacement of equipment components must be recorded in the maintenance record sheet.

Maintenance accounting

Date and type of inspection	Name of the work done	Remarks on the technical condition	Position, full name, signature of the responsible person

8. REPAIR AND FAULT RECORDING

Replace all defective components with parts from the manufacturer.

It is prohibited to manufacture and replace components and parts of the equipment independently.

Recording malfunctions during operation

Date of failure of the product, its component part or structural element	Nature (external manifestation) of the fault	Corrective actions taken	Position, full name, signature of the responsible person

Information about the repair

Name of a component or structural element	The reason for the repair	Date		Name of the organisation, position, full name, signature of the person who performed the repair
		Put for repair	Out of repair	

9. INSTRUCTIONS FOR SAFE USE

WARNING. Children are allowed on the equipment only under adult supervision.

Before operating the product, conduct a visual inspection, check the fasteners and structural strength.

The equipment is used on playgrounds without constant supervision by operating personnel. In order to ensure the safe operation of the product, the owner must conduct a daily visual inspection. If malfunctions are detected during the inspection, they must be immediately eliminated, and if this is not possible, the equipment must be closed to children.

There should not be foreign objects, sharp elements, protrusions on the surface of the playground.

Under playground equipment with a free-fall height of more than 600 mm, an impact-absorbing surface must be provided throughout the entire fall zone. With a free fall height of less than 1000 mm, a turf shock-absorbing surface is allowed.

Examples of impact-absorbing coatings

Material ¹	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
Other materials ³	Characteristics of the tested material		Critical height of fall, obtained during testing
1. Materials are specially made for the playgrounds. 2. No clay inclusions should be present. 3. Grain size is obtained by sieving through a sieve as in EN933-1.			

WARNING. Operating the product without an impact-absorbing coating may result in serious injury during falling down.

Playground surface materials with low impact-absorbing characteristics are used only outside the fall zone.

Product operation:

- it is recommended to show or tell children how to use the equipment;
- during use, it is recommended to hold onto handrails, railings, handles;
- it is forbidden to use until the completion of its full and final installation;
- it is forbidden to use by customers of a different age and weight category;
- before using clear the safety zone from foreign objects, sharp elements, protrusions;
- it is forbidden to move the product elements not intended for this purpose;
- do not operate in difficult weather conditions (ice, snow, rain, hail, strong wind, etc.), which may cause injury to the child.

The manufacturer is not responsible for the consequences:

- poor quality and improper installation of the product;
- use of low-quality materials and inadequate qualifications of personnel during installation of the product;
- use of the product earlier than the period necessary to fix the product in the soil or other material;
- design changes to the product that caused injury;

- lack of proper adult supervision;
- violation of age and weight restrictions by users;
- damage to the product due to improper storage, installation or use of the product for other purposes.

10. INSTALLATION INSTRUCTIONS

Installation of the product can be carried out by the manufacturer, service centre or other legal entities and individuals who have the necessary material and technical base and qualifications.

The product is installed on a prepared flat area, free from debris, trees and other obstacles that interfere with installation (when installed in winter, the area shall be additionally free from snow). The required size of the site is determined by the fall zone of the equipment. When installing in winter on natural ground, it is recommended to choose a site with compacted soil in the area of foundation placement.

The height difference of the prepared site should be:

- a) no more than 50 mm for natural substrates, including substrates with subsequent shock-absorbing coating.
- b) no more than 10 mm for hard substrates (asphalt, concrete), including substrates with subsequent

application of a synthetic protective coating.

Before starting the installation, you must:

- study the documentation supplied with the product;
- check the completeness in accordance with the documents supplied with the product;
- remove the original packaging from the component part;
- comply with safety requirements.

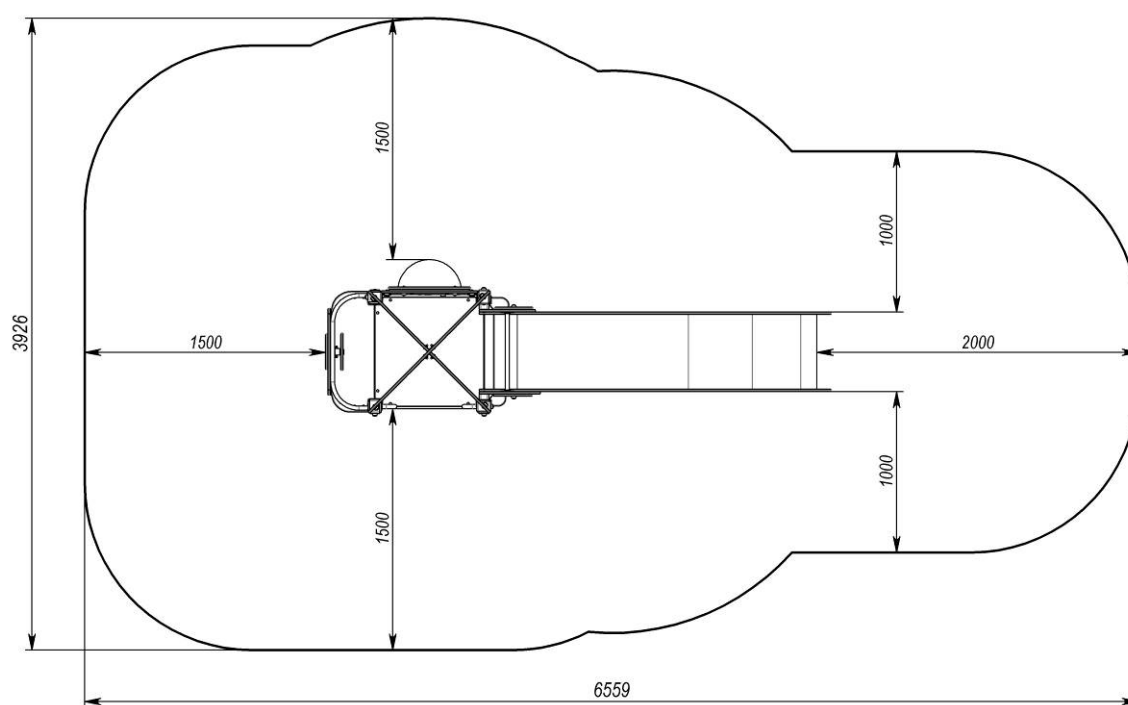
To avoid cracking of the wood, for screws with a diameter of more than 4 mm, drill holes with a diameter of 0.6...0.7 mm to a depth of 0.8 of the screw's length.

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

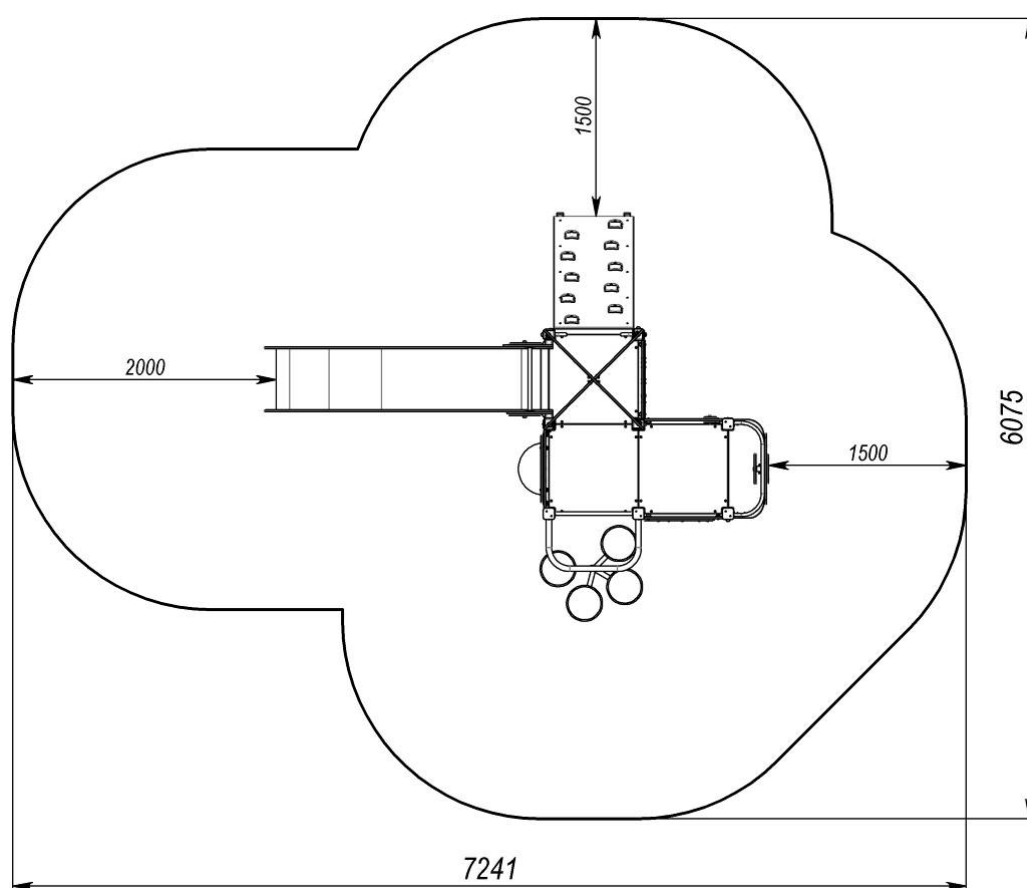
Install the product in stages, following the instructions in the appendix.

Table №1 – Landing zone:

LK103-COSMOS



LK106-COSMOS



LK110-COSMOS

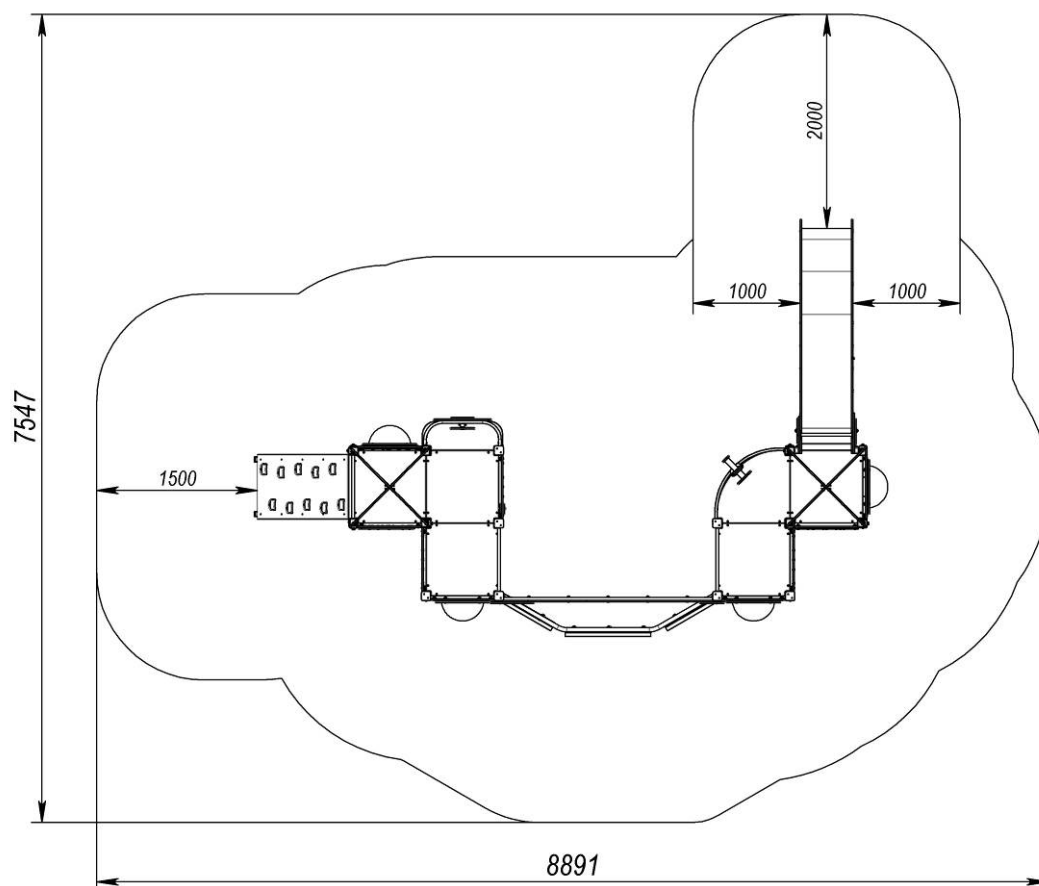
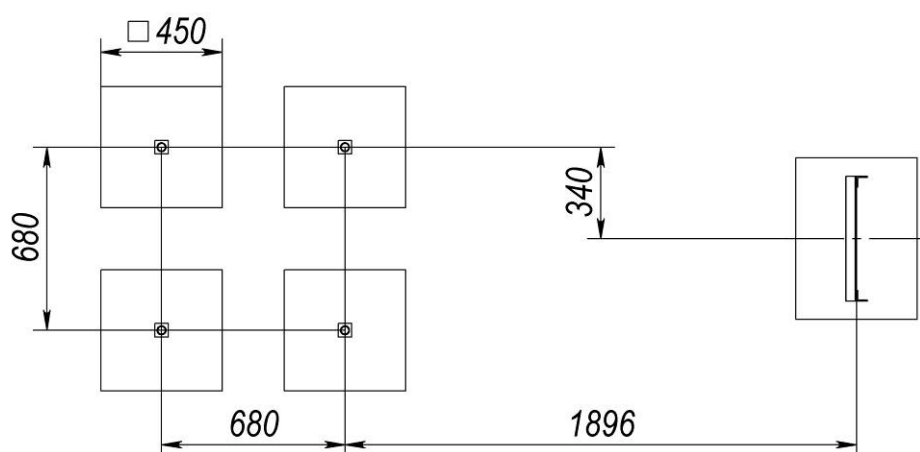
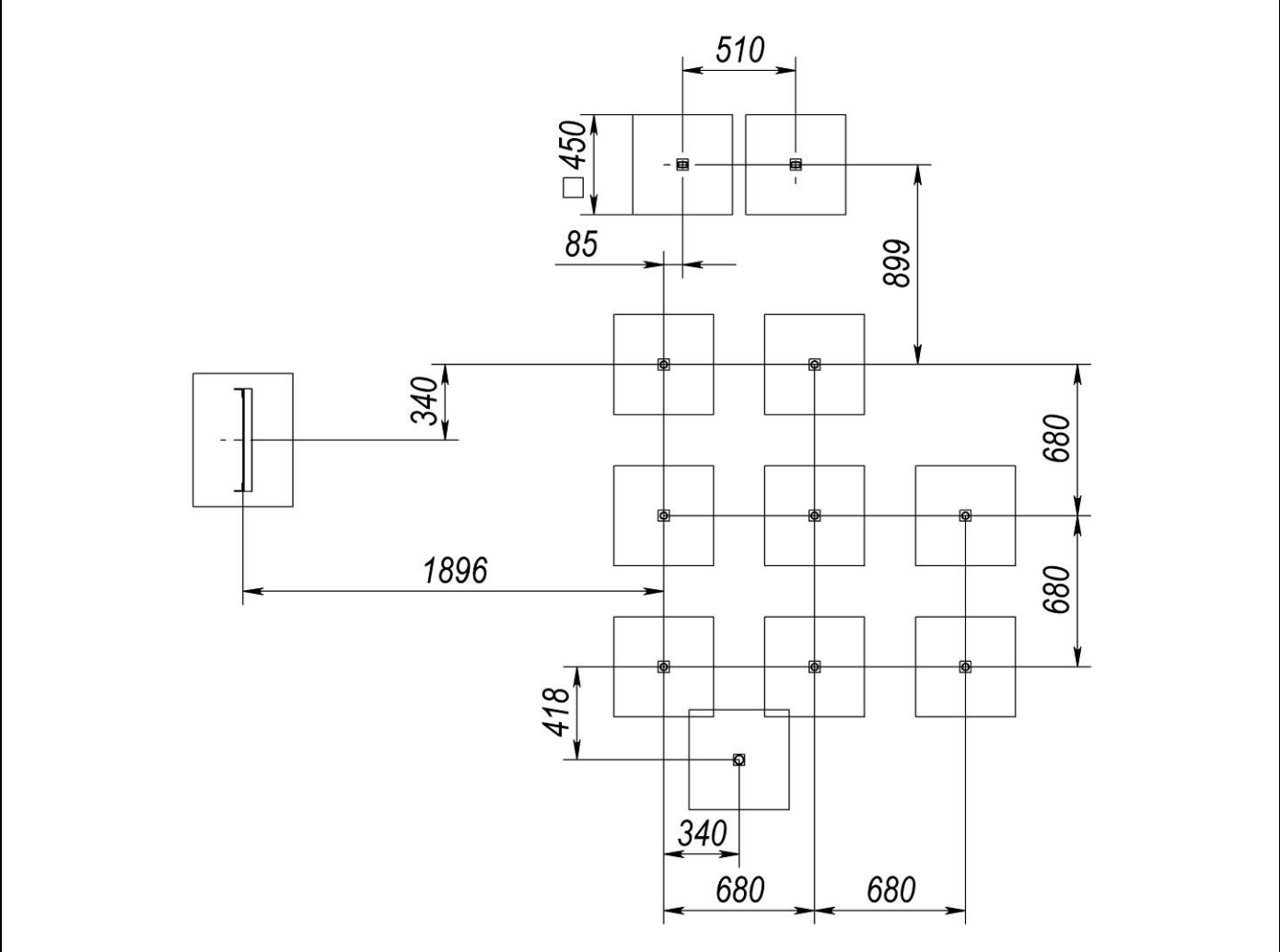


Table №2 – Concreting zone:

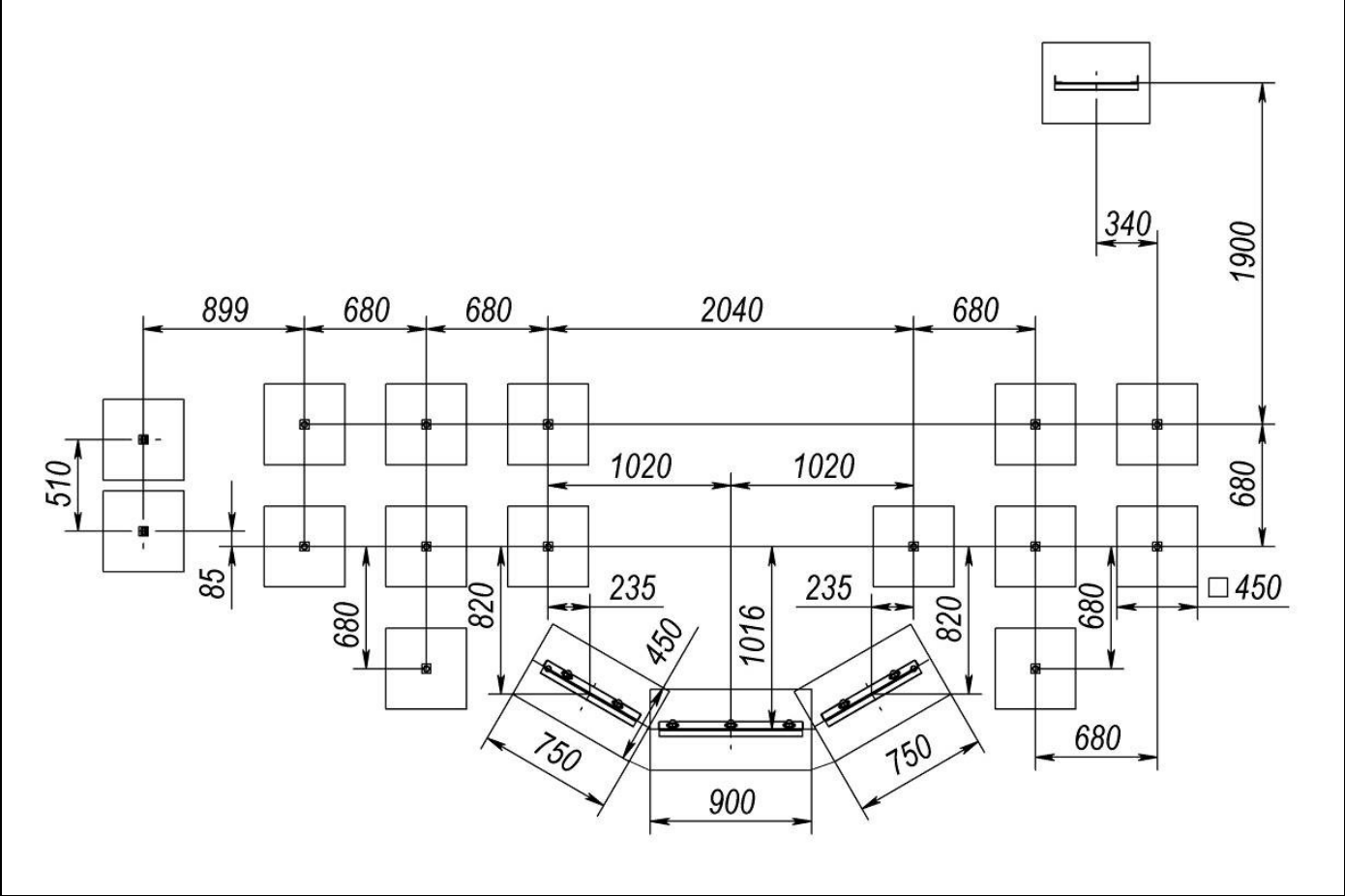
LK103-COSMOS

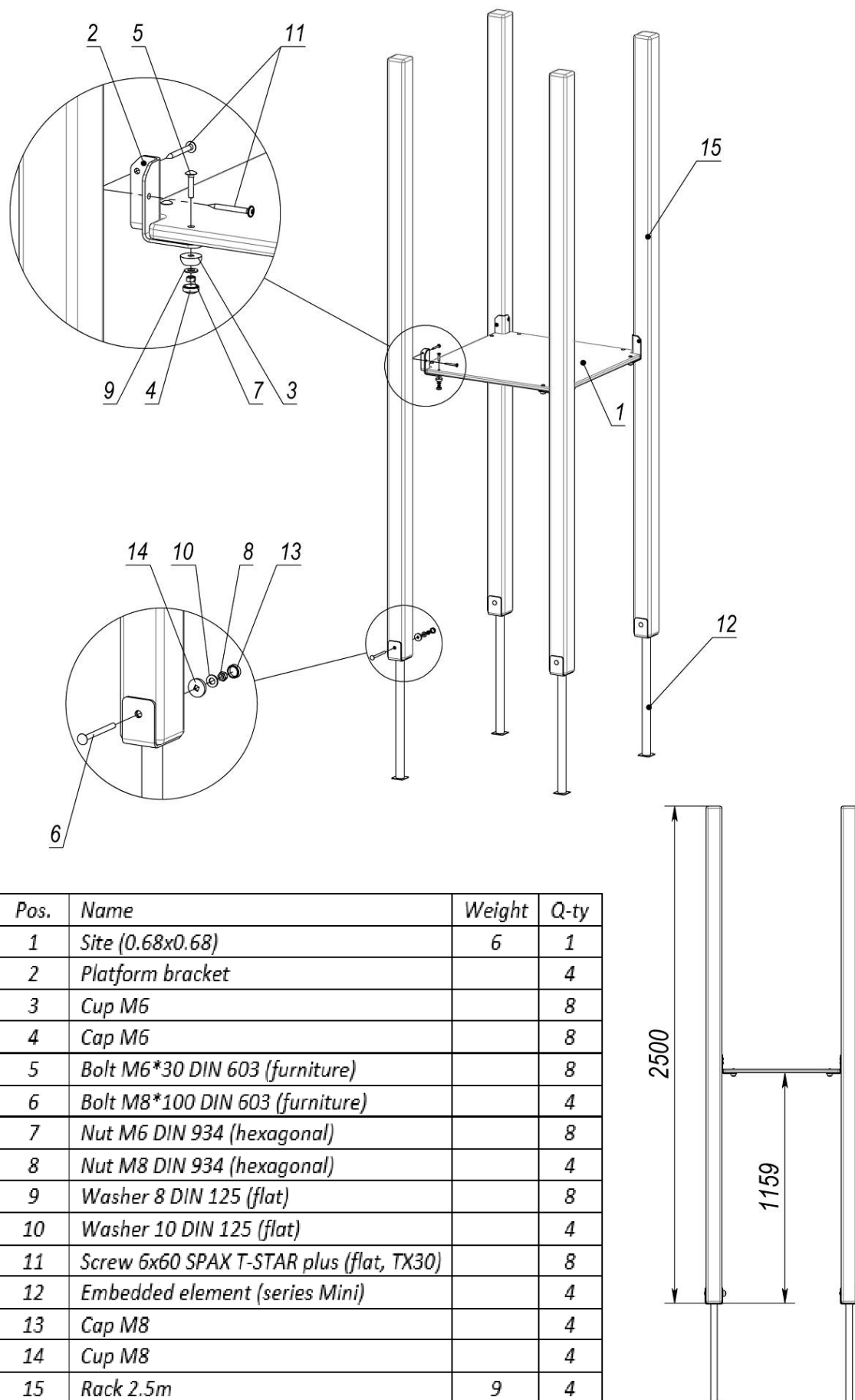


LK106-COSMOS

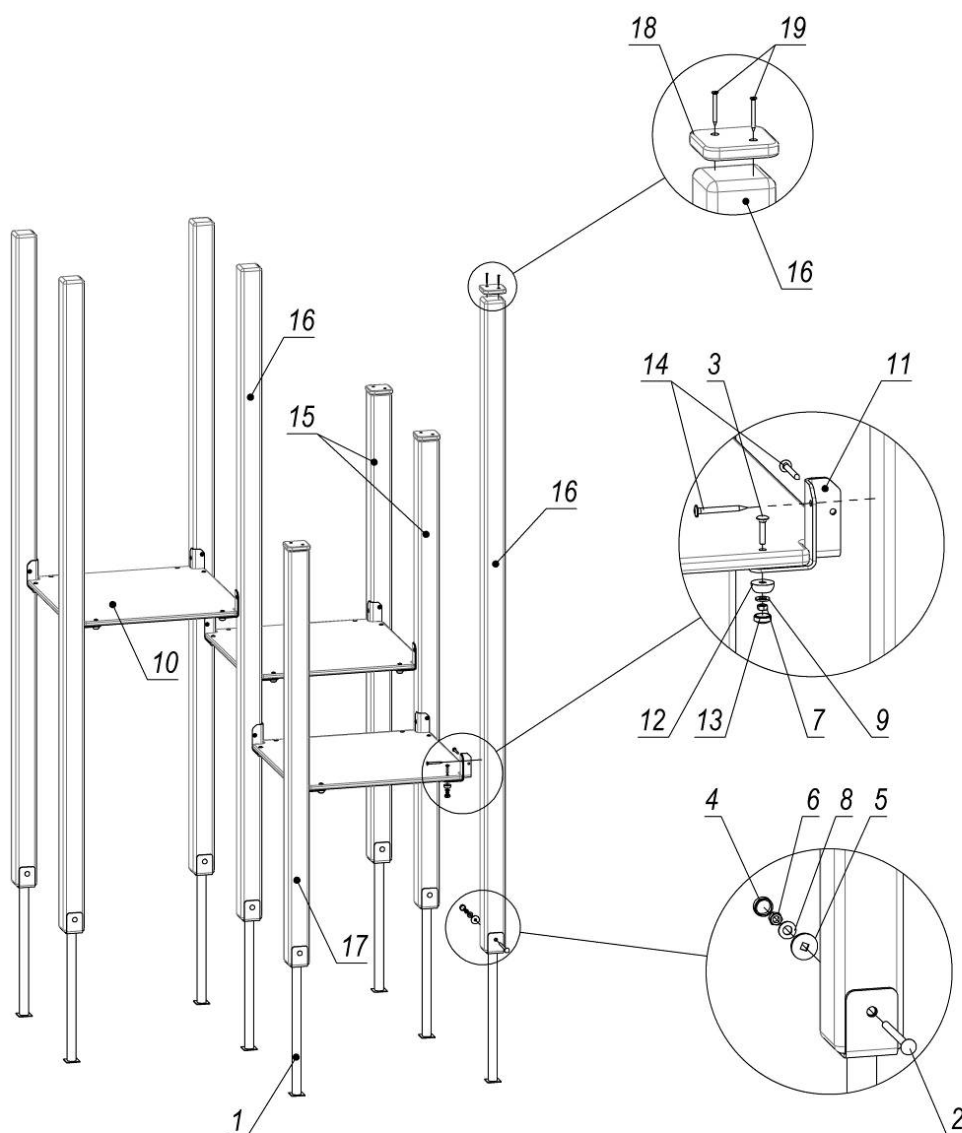


LK110-COSMOS

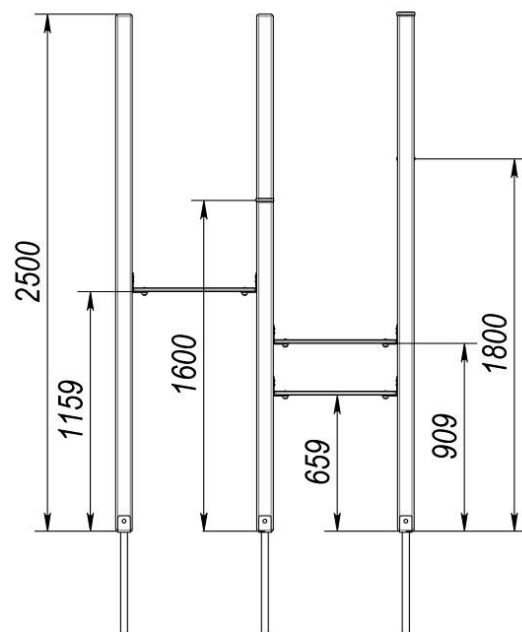




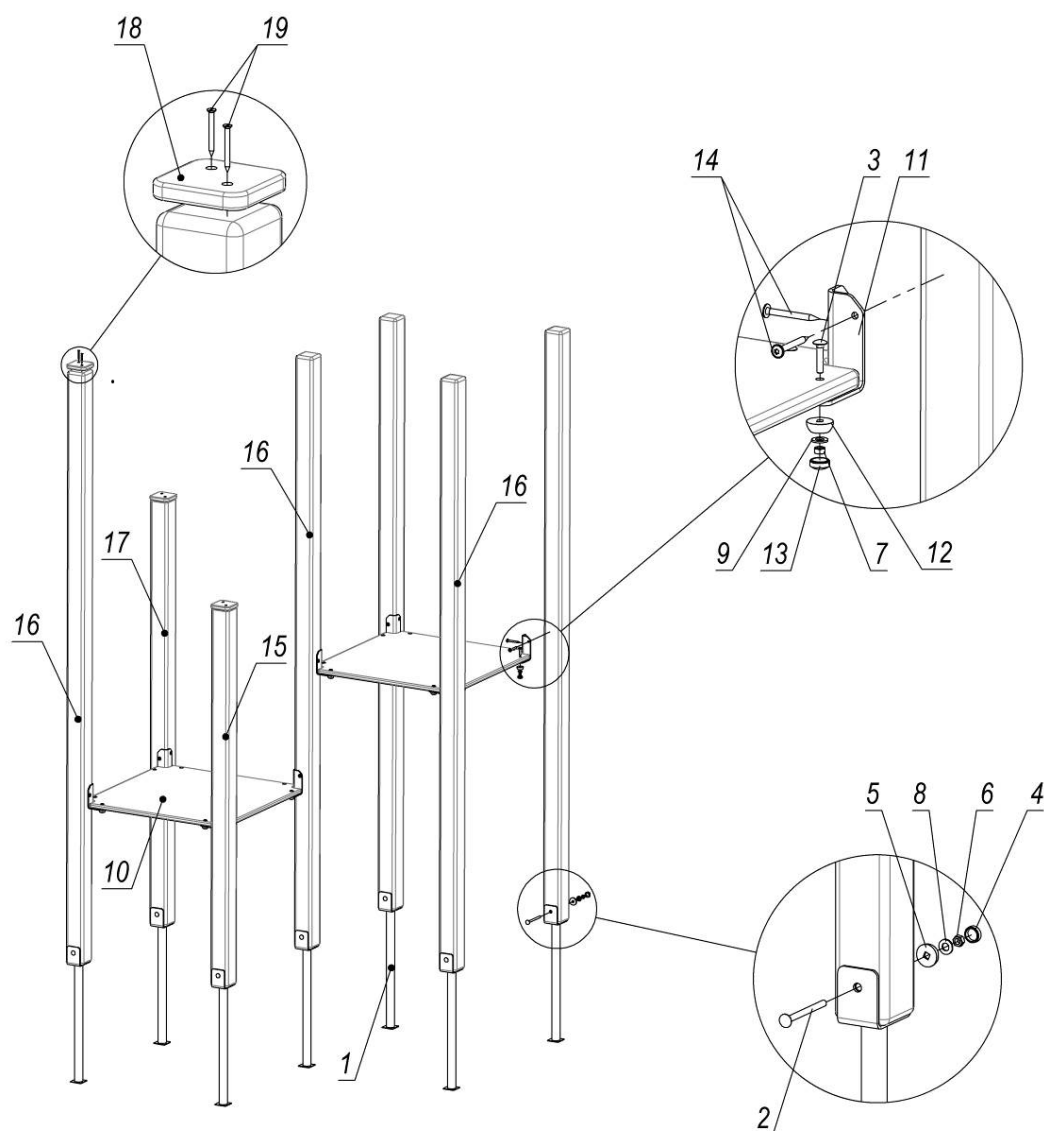
Picture 1 – Assembly scheme of the tower 1.23 m



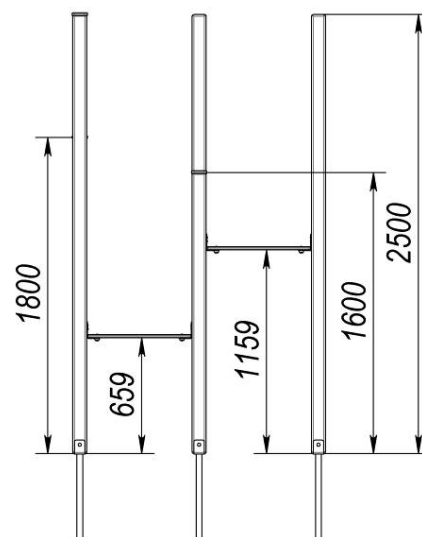
Pos.	Name	Weight	Q-ty
1	Embedded element (series Mini)	2	8
2	Bolt M8*100 DIN 603 (furniture)		8
3	Bolt M6*30 DIN 603 (furniture)		24
4	Cap M8		8
5	Cup M8		8
6	Nut M8 DIN 934 (hexagonal)		8
7	Nut M6 DIN 934 (hexagonal)		24
8	Washer 10 DIN 125 (flat)		8
9	Washer 8 DIN 125 (flat)		24
10	Site (0.68x0.68)	6	3
11	Platform bracket		12
12	Cup M6		24
13	Cap M6		24
14	Screw 6x60 SPAX T-STAR plus (flat, TX30)		24
15	Rack 1.8 m	7	2
16	Rack 2.5 m	9	5
17	Rack 1.6 m	6	1
18	Cap on bar (Mini)		4
19	Screw 4*40 DIN 7997		8



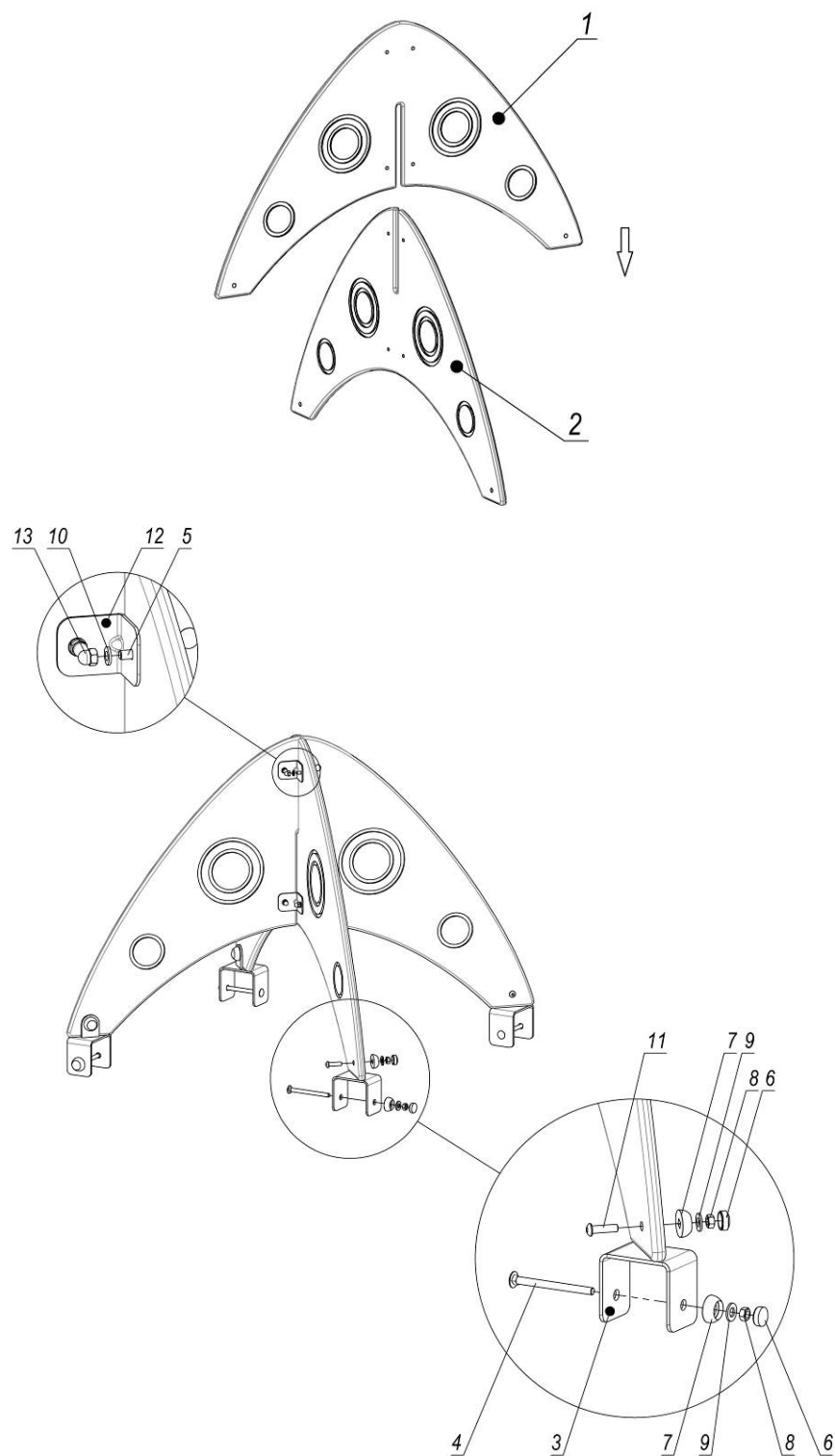
Picture 2 – Assembly scheme of the triple tower



Pos.	Name	Weight	Q-ty
1	Embedded element (series Mini)	2	7
2	Bolt M8*100 DIN 603 (furniture)		7
3	Bolt M6*30 DIN 603 (furniture)		16
4	Cap M6		7
5	Cup M6		7
6	Nut M8 DIN 934 (hexagonal)		7
7	Nut M6 DIN 934 (hexagonal)		16
8	Washer 10 DIN 125 (flat)		7
9	Washer 8 DIN 125 (flat)		16
10	Site (0.68x0.68)	6	2
11	Platform bracket		8
12	Cup M6		16
13	Cap M6		16
14	Screw 6x60 SPAX T-STAR plus (flat, TX30)		16
15	Rack 1.6 m	6	1
16	Rack 2.5 m	9	5
17	Rack 1.8 m	7	1
18	Cap on bar (Mini)		3
19	Screw 4*40 DIN 7997		6

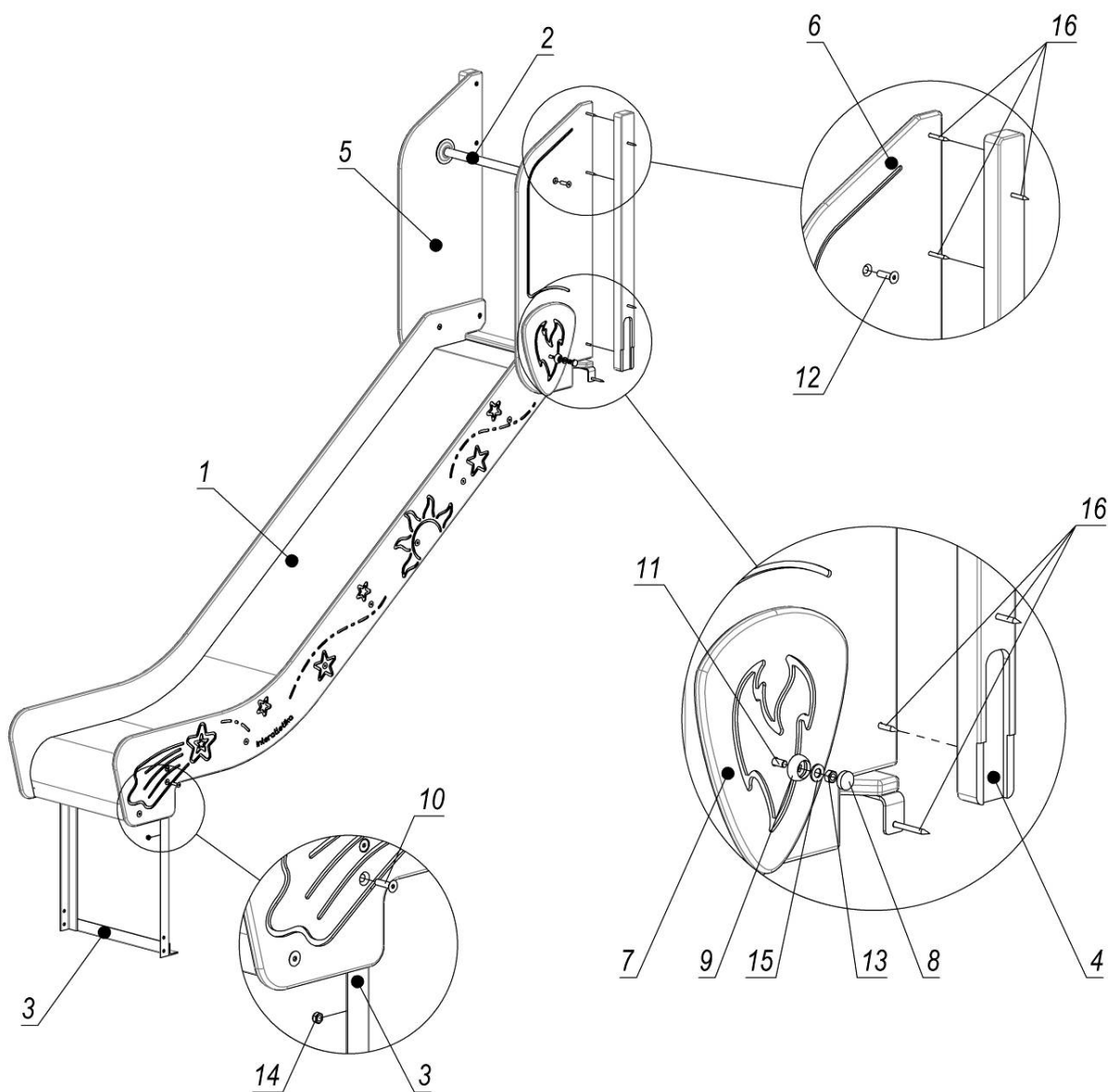


Picture 3 – Tower assembly scheme 1,23-0,73



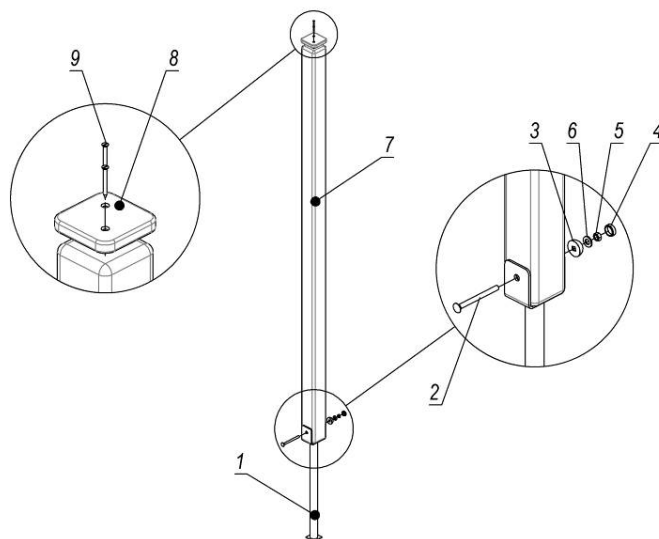
Pos.	Name	Weight	Q-ty
1	Slope	4	1
2	Slope	4	1
3	Roof bracket	4	4
4	Bolt M8*100 DIN 603 (furniture)		4
5	Bolt M6*25 DIN 603 (furniture)		8
6	Cap M8		8
7	Cup M8		8
8	Nut M8 DIN 934 (hexagonal)		8
9	Washer 10 DIN 125 (flat)		8
10	Washer 6 DIN 125 (flat)		8
11	Stud M8*30 ISO 7380		4
12	Angle bar 45x45x40 (90 degree)		4
13	Nut M6 DIN 1587 (cap nut)		8

Picture 4 – Roof assembly scheme



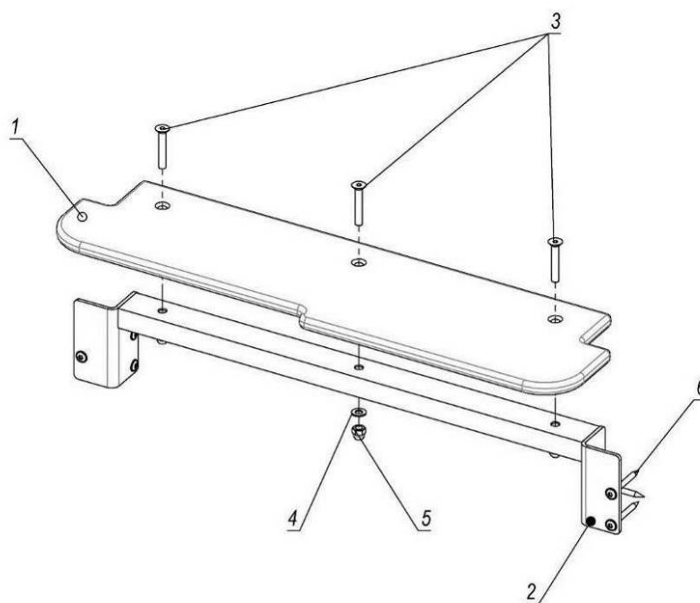
Pos.	Name	Weight	Q-ty
1	Slide 1.2m (COSMOS) – 38 degree	34	1
2	Screed 493 mm	1	1
3	Slide embedded element (angle bar)	5	1
4	Slide bar (with a cutout)	1	2
5	Sidewall upper right	5	1
6	Sidewall upper left	4	1
7	Overlay "Nozzle"		2
8	Cap M8		2
9	Cup M8		2
10	Stud M8*30 DIN 7991		4
11	Stud M8*60 DIN 7991		2
12	Stud M10*35 DIN 7991		2
13	Nut M8 DIN 934 (hexagonal)		2
14	Nut M8 DIN 985 (locking)		4
15	Washer 10 DIN 125 (flat)		2
16	Screw 6x60 SPAX T-STAR plus (flat, TX30)		12

Picture 5 – Assembly scheme of the slide 1.2m



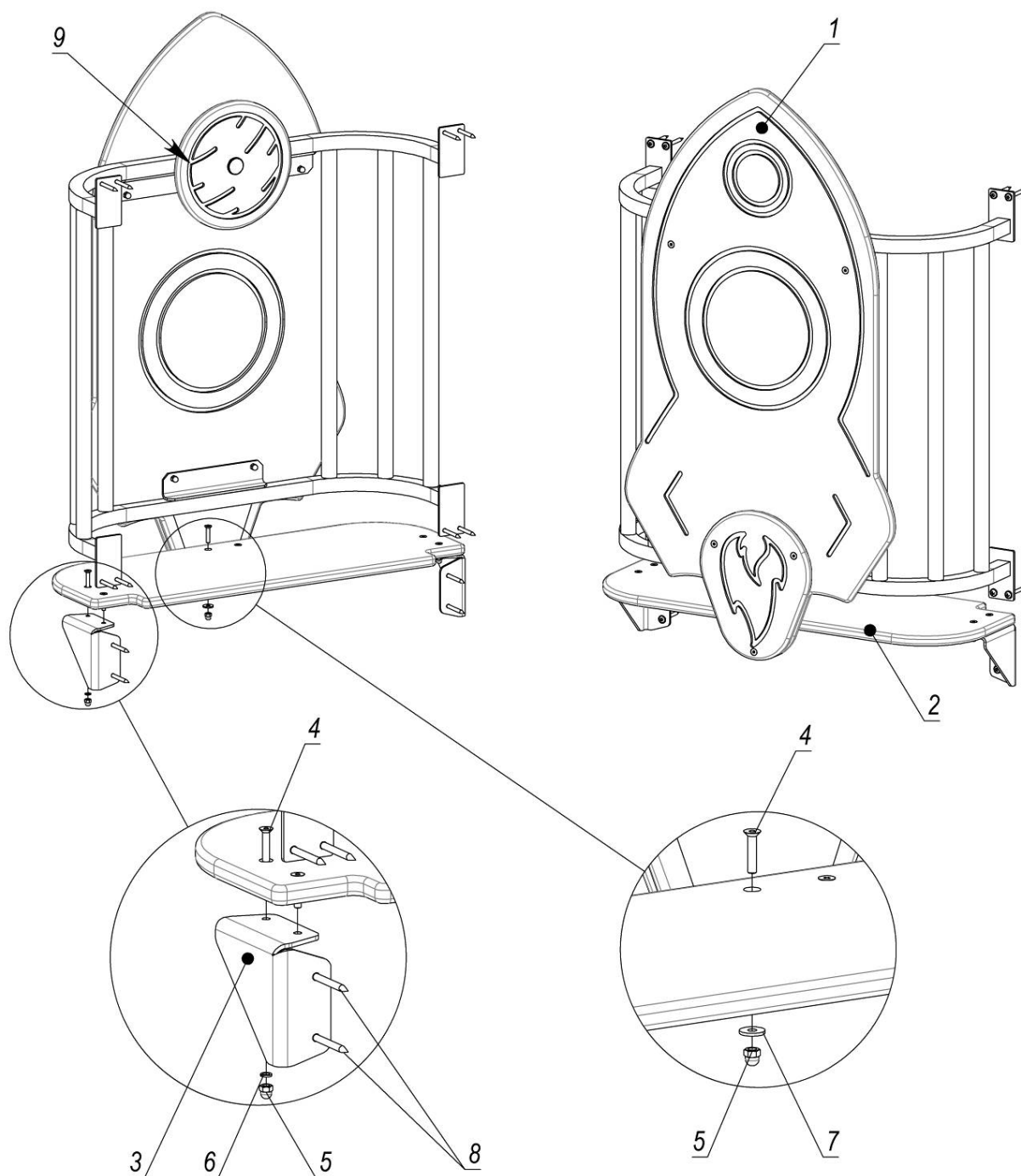
Pos.	Name	Weight	Q-ty
1	Embedded element (series Mini)	1	1
2	Bolt M8*100		1
3	Cup M8		1
4	Cap M8		1
5	Nut M8		1
6	Washer 10		1
7	Rack 2 m	8	1
8	Cap on bar (Mini)		1
9	Screw 4x40		2

Picture 6 – Rack assembly scheme



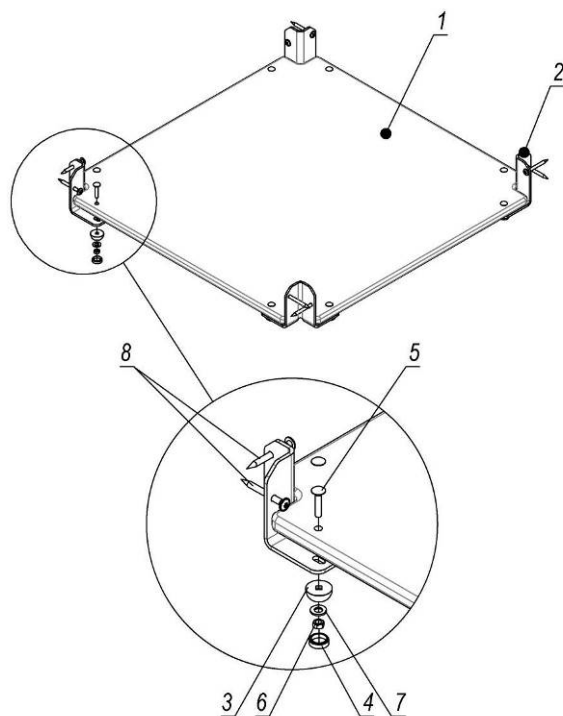
Pos.	Name	Weight	Q-ty
1	Seat	1	1
2	Bench frame	2	1
3	Stud M8x50 DIN 7991	22	3
4	Washer 8		3
5	Cap nut M8 DIN 1587		3
6	Screw 6.0x60 SPAX T-STAR plus		6

Picture 7– Seat assembly scheme



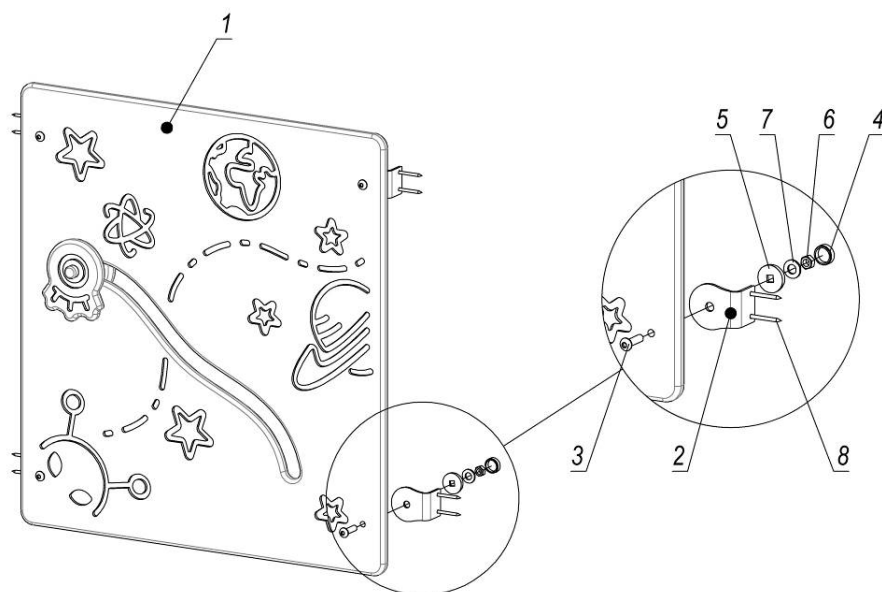
Pos.	Name	Weight	Q-ty
1	Balcony "Rocket"	18	1
2	Balcony floor 0.72 m	3	1
3	Table angled bar		2
4	Stud M6*30 DIN 7991		6
5	Nut M6 DIN 1587 (cap nut)		6
6	Washer 6 DIN 7980 (spring)		4
7	Washer 6 DIN 9021 (enlarged)		2
8	Screw 6x60 SPAX T-STAR plus (flat, TX30)		12
9	Flange 4*25*95 mm		1

Picture 8 - Balcony assembly scheme



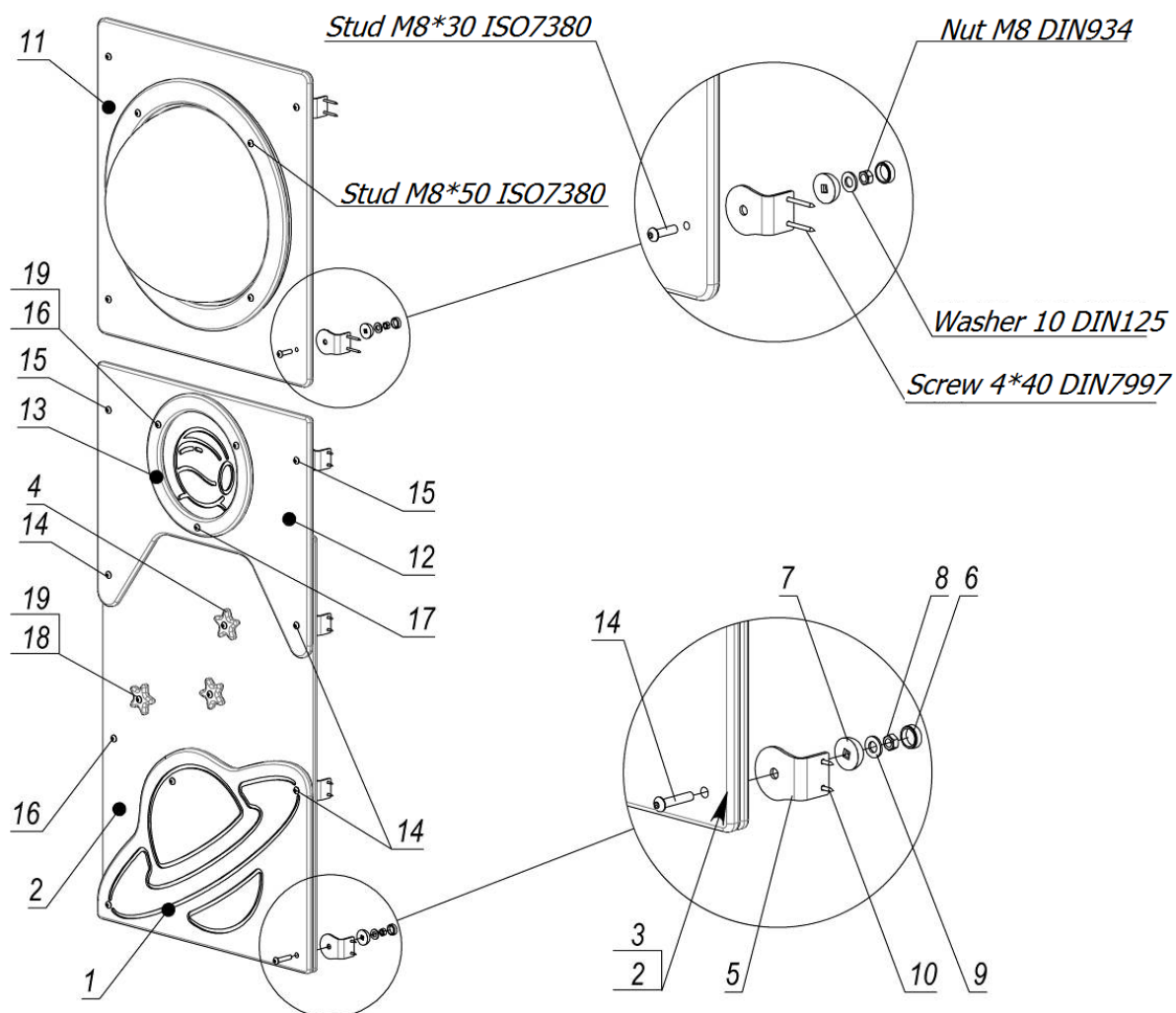
Pos.	Name	Weight	Q-ty
1	Site 0.68x0.68	6	1
2	Platform bracket		4
3	Cup M6		8
4	Cap M6		8
5	Bolt M6*30		8
6	Nut M6		8
7	Washer 8		8
8	Screw 6x60 SPAX T-STAR plus		8

Picture 9 – Layout of the site assembly



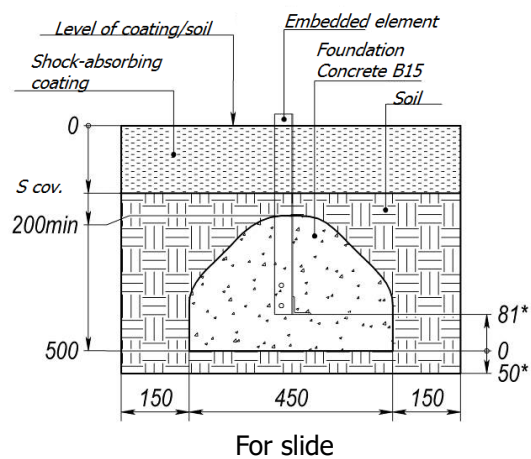
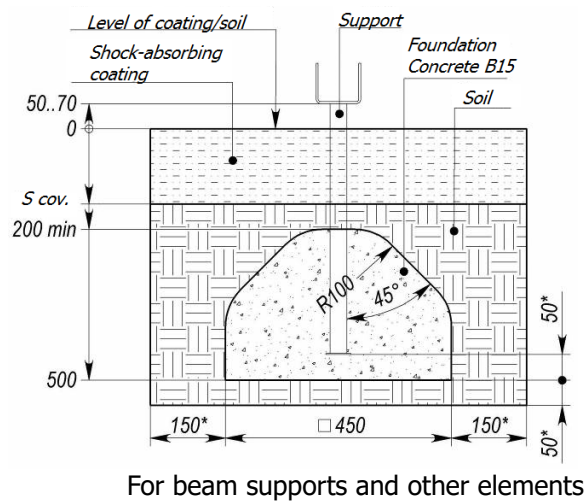
Pos.	Name	Weight	Q-ty
1	Panel "Milky Way"	5	1
2	Corner bracket 40x60		4
3	Stud M8*30 ISO 7380		4
4	Cap M8		4
5	Cup M8		4
6	Nut M8 DIN 934 (hexagonal)		4
7	Washer 10 DIN 125 (flat)		4
8	Screw 4x40 DIN 7997		8

Picture 10 – Panel assembly scheme (assembly of other panels is identical)



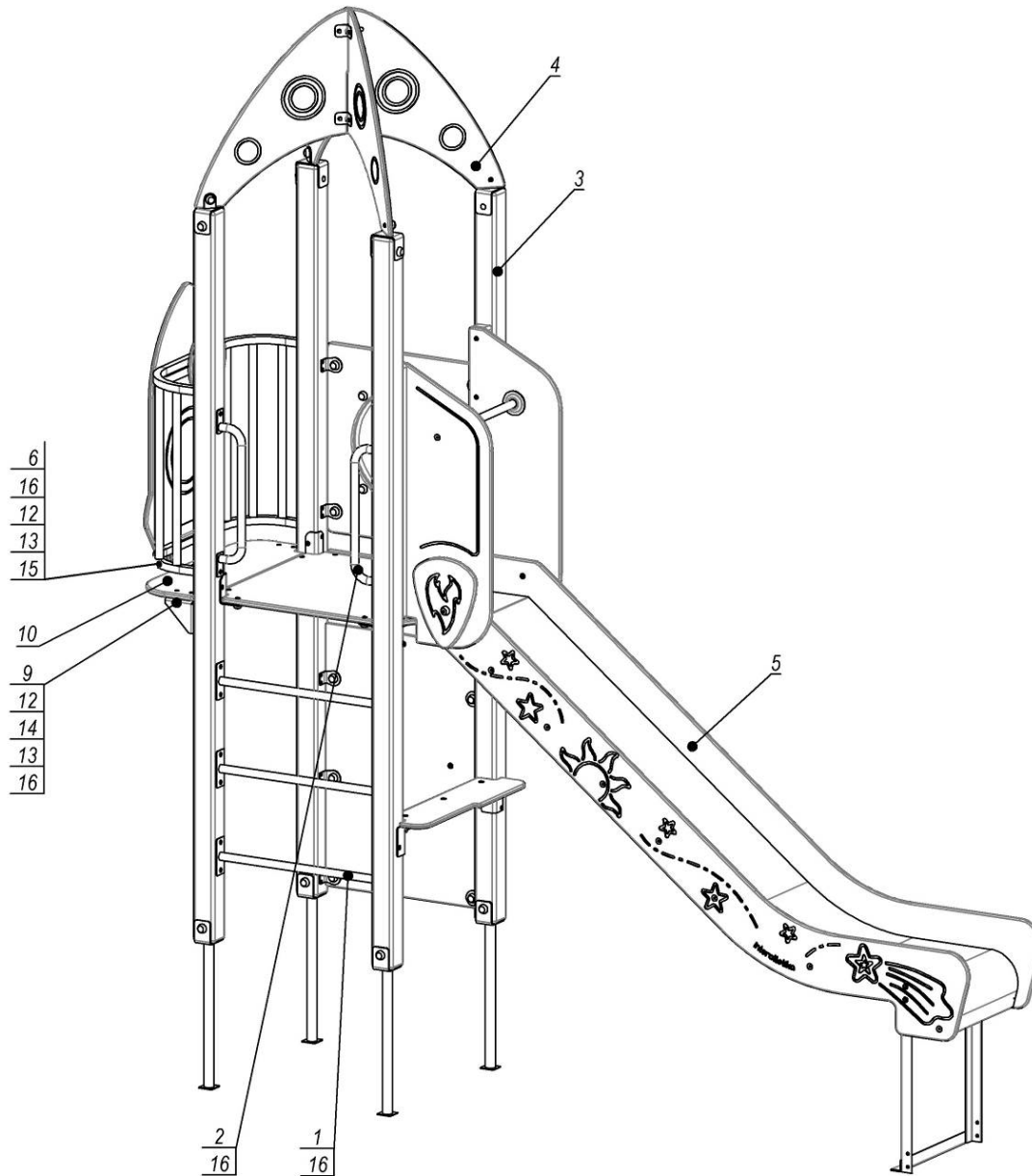
Pos.	Name	Weight	Q-ty
1	Panel "Saturn"	3	1
2	Panel transparent (0.598x900)	6	1
3	Hub		7
4	Slider "Star"	24	3
5	Corner bracket 40x60		8
6	Cap M8		9
7	Cup M8		9
8	Nut M8 DIN 934 (hexagonal)		9
9	Washer 10 DIN 125 (flat)		9
10	Screw 3.5*16 DIN 7997		16
11	Porthole assembly		1
12	Overlay cosmonaut upper	3	1
13	Overlay "Ring"		1
14	Stud M8*40 ISO 7380		5
15	Stud M8*30 ISO 7380		2
16	Stud M8*25 ISO 7380		3
17	Stud M8*35 ISO 7380		2
18	Stud M8*20 ISO 7380		3
19	Nut M8x12 ERICSON (flat)		6

Picture 11 – Panel assembly scheme (assembly of other panels is identical)



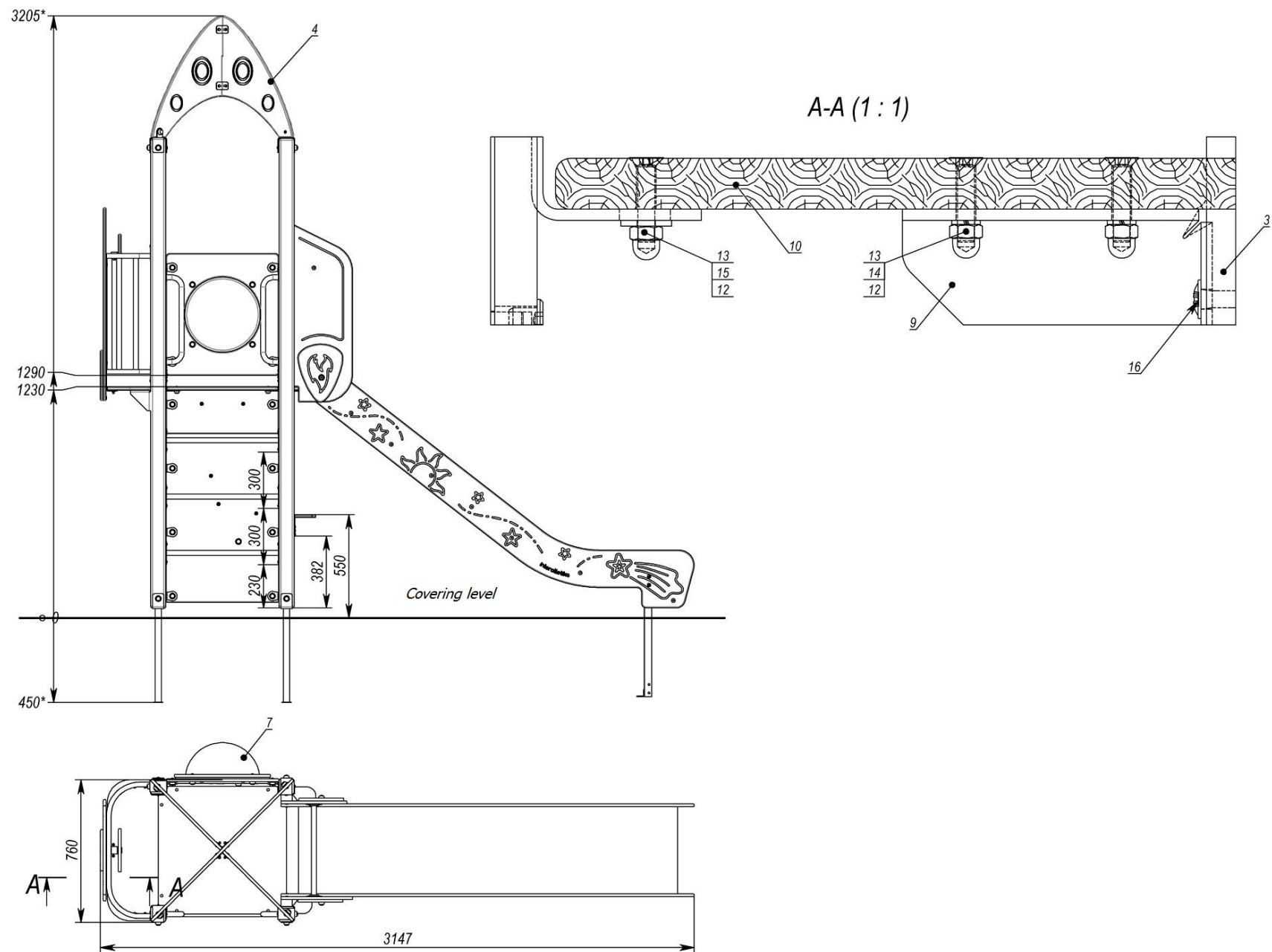
Picture 12 - Concreting scheme

Appendix

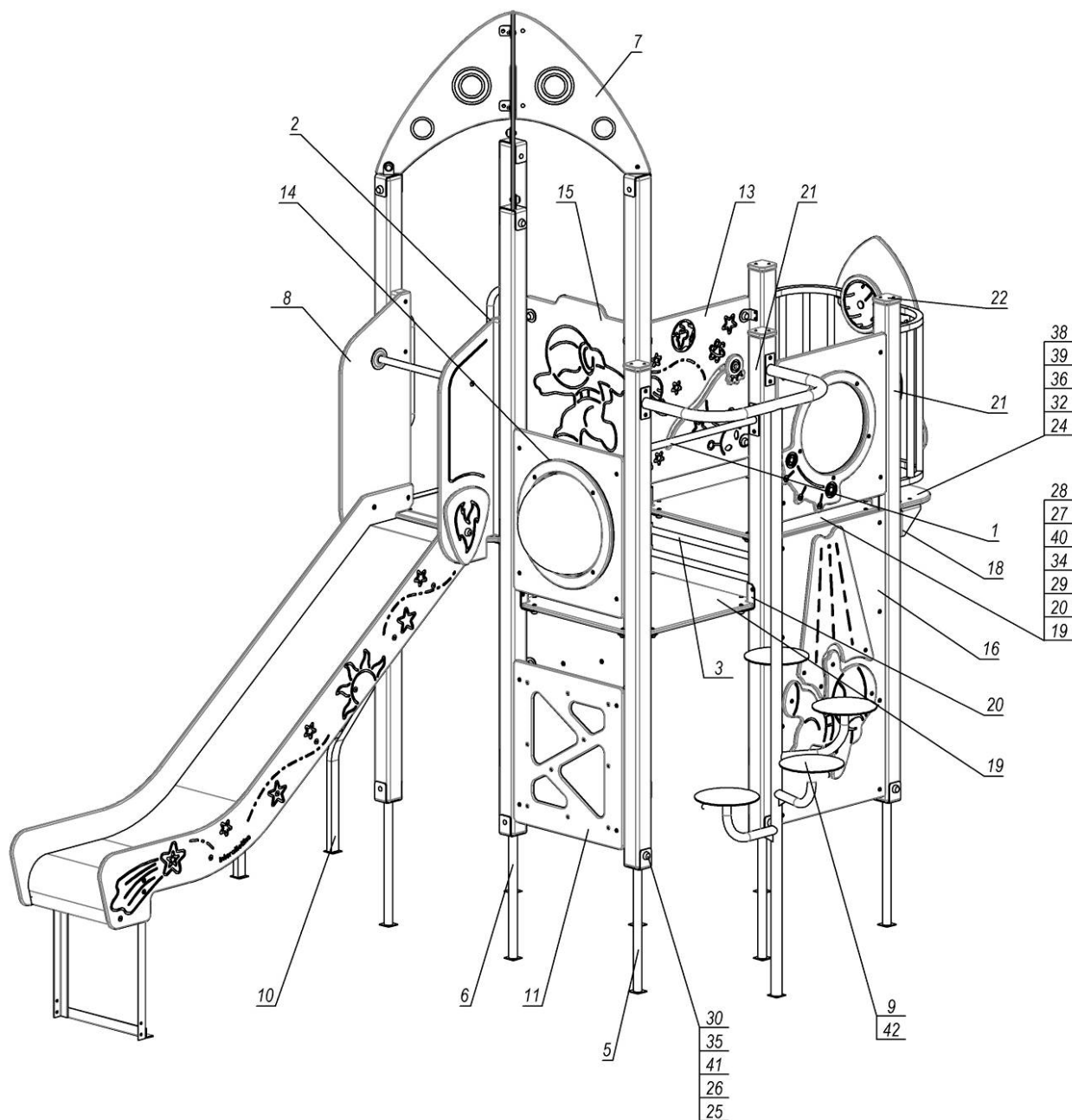


Pos.	Name	Weight	Q-ty
1	Screed (L=600mm)	1	3
2	Handle	1	2
3	Tower 1.23 m	52	1
4	Station roof	11	1
5	Slide 1.2m (COSMOS) assembly	53	1
6	Balcony "Rocket"	18	1
7	Panels "Saturn" assembly		1
8	Bench frame	2	1
9	Table angle bar		2
10	Balcony floor 0.72 m	3	1
11	Seat (180x675)	2	1
12	Stud M6*30 DIN 7991		6
13	Nut M6 DIN 1587 (cap nut)		6
14	Washer 6 DIN 7980 (spring)		4
15	Washer 6 DIN 9021 (enlarged)		2
16	Screw 6x60 SPAX T-STAR plus(flat, TX30)		34
17	Washer 8 DIN 125 (flat)		3
18	Stud M8*50 DIN 7991		3
19	Nut M8 DIN 1587 (cap nut)		3
20	Flange 4*25*95 mm		1

Picture 13 - LK103-COSMOS

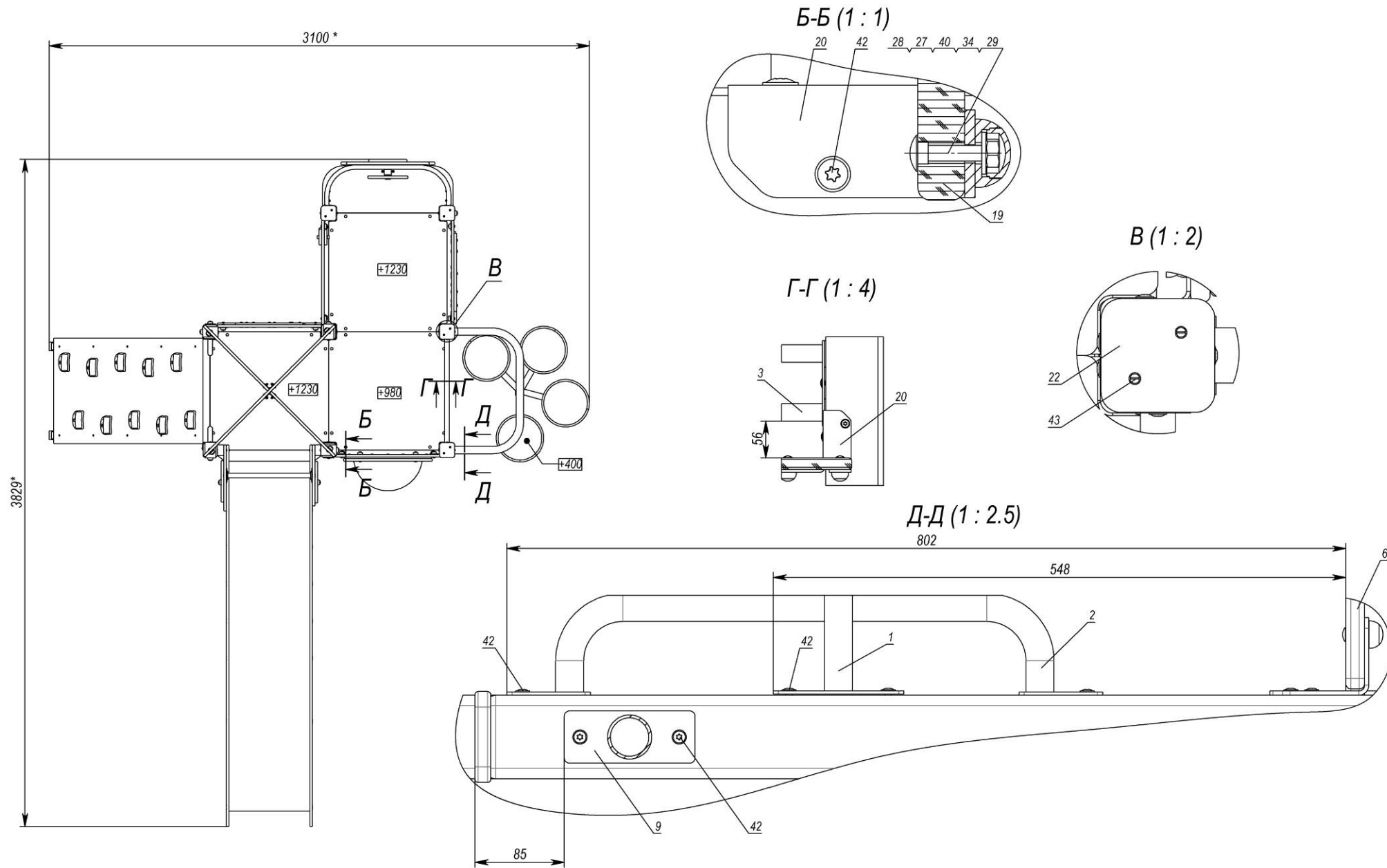


Picture 14 - LK103-COSMOS

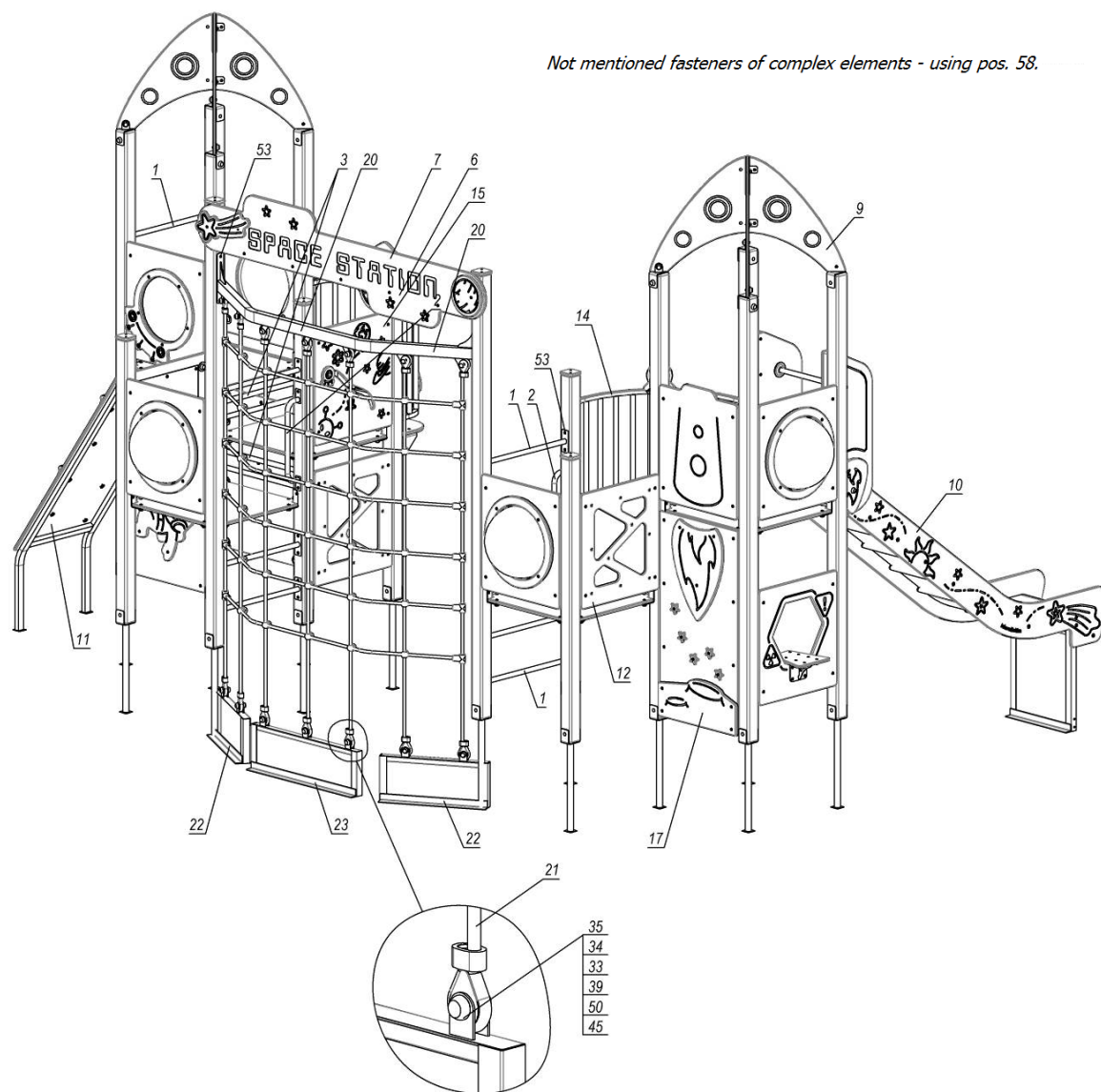


Pos.	Name	Weight	Q-ty
1	Screed (L=600 mm)	1	1
2	Handle		2
3	Coverings	2	2
4	Showcase angle bar		2
5	Embedded element (series Mini)	2	4
6	Tower 1.23 m	52	1
7	Station roof	11	1
8	Slide 1.2 m (COSMOS) assembly	53	1
9	Stud ladder 0.98 m	22	1
10	Climber's shield	25	1
11	Sectional window		1
12	Balcony "Rocket"	18	1
13	Panel "Milky Way"		1
14	Porthole assembly		1
15	Panel "Rocket" assembly		1
16	Panel "Cosmonaut" assembly		1
17	Corner bracket 40x60		12
18	Table angle bar		2
19	Site (0.68x0.68)	6	2
20	Platform bracket		8
21	Rack 2 m	8	4
22	Cap on bar (Mini)		4
23	Panel "Lock"	4	1
24	Balcony floor 0.72 m	3	1
25	Cap M8		16
26	Cup M8		16
27	Cup M6		16
28	Cap M6		16
29	Bolt M6*30 DIN 603 (furniture)		16
30	Bolt M8*100 DIN 603 (furniture)		4
31	Stud M6*25 DIN 7991		8
32	Stud M6*30 DIN 7991		6
33	Stud M8*30 ISO 7380		16
34	Nut M6 DIN 934 (hexagonal)		16
35	Nut M8 DIN 934 (hexagonal)		16
36	Nut M6 DIN 1587 (cap nut)		14
37	Nut M8 DIN 1587 (cap nut)		4
38	Washer 6 DIN 7980 (spring)		4
39	Washer 6 DIN 9021 (enlarged)		2
40	Washer 8 DIN 125 (flat)		16
41	Washer 10 DIN 125 (flat)		16
42	Screw 6x60 SPAX T-STAR plus (flat, TX30)		58
43	Screw 4*40 DIN 7997		32
44	Flange 4*25*95 mm		1
45	Lock shelf		1

Picture 15 - LK106-COSMOS

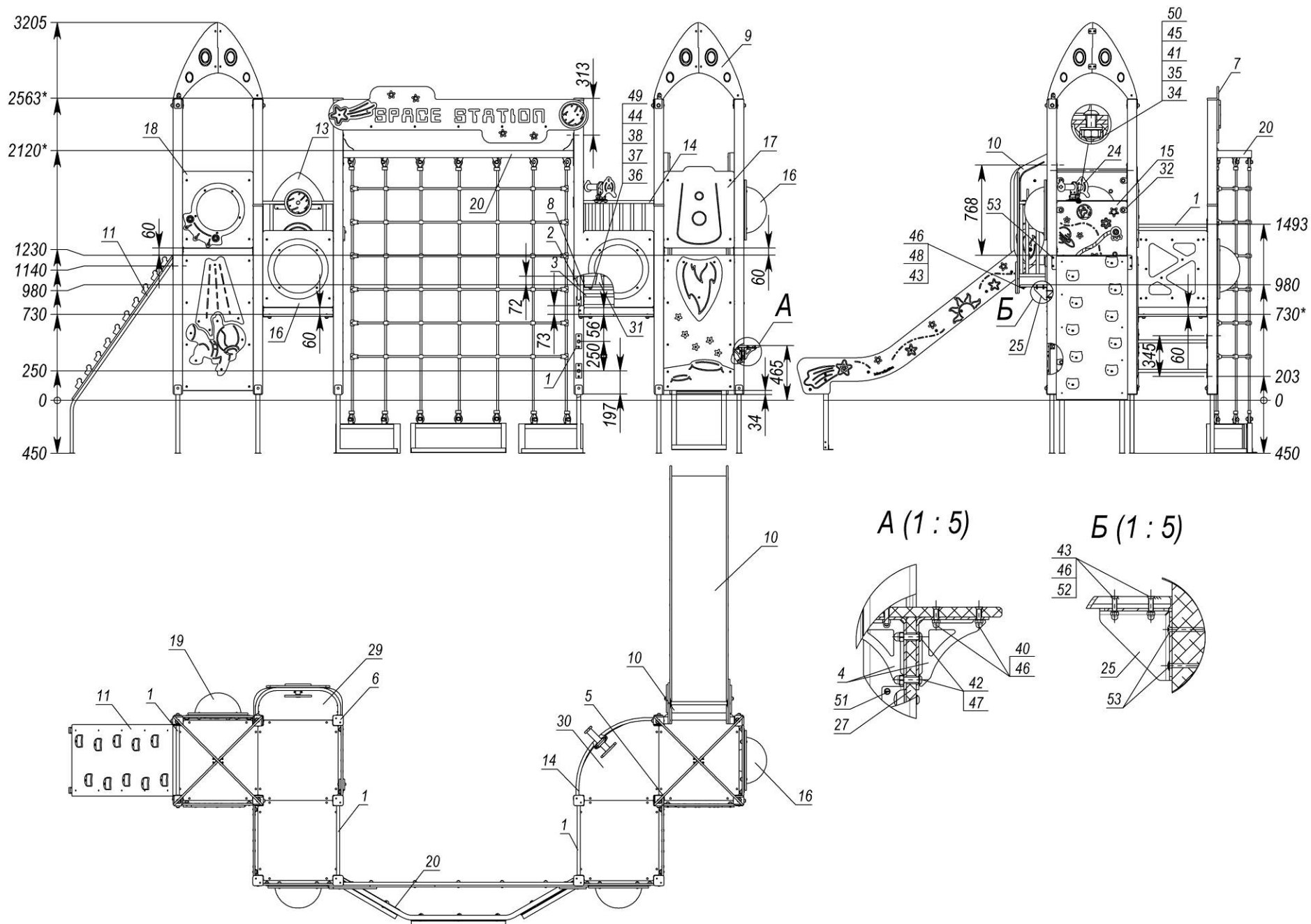


Picture 17 - LK106-COSMOS



1	Screed (L=600 mm)	1	7
2	Handle		2
3	Coverings	2	4
4	Showcase angle bar		2
5	Tower (Mini) 1.23-0.73 m		1
6	Tower triangular		1
7	Board assembly		1
8	Connection		1
9	Station roof		2
10	Slide 1.2 m (COSMOS) assembly		1
11	Climber's shield		1
12	Sectional window		3
13	Balcony "Rocket"		1
14	Arc balcony		1
15	Panel "Milky Way"		1
16	Parthole assembly		3
17	Panel "Rocket" assembly		1
18	Panel "Cosmonaut" assembly		1
19	Panel "Saturn" assembly		1
20	Crossbeam of rope net		1
21	Rope net arc		1
22	Rope embedded element (angle bar)		2
23	Rope embedded element (angle bar)		1
24	Blaster assembly		1
25	Table angle bar		2
26	Platform bracket		1
27	Panel "Lock"		1
28	Lock shelf		1
29	Balcony floor 0.72 m		1
30	Balcony tray		1
31	Balcony connector		1
32	Corner bracket 40x60		20
33	Tube d12x1.5, L=22 mm		12
34	Cap M8		50
35	Cup M8		50
36	Cup M6		4
37	Cap M6		4
38	Bolt M6*30 DIN 603		4
39	Bolt M8*45 DIN 933		14
40	Stud M6*25 DIN 7991		8
41	Stud M8*20 ISO 7380		2
42	Stud M8*30 ISO 7380		24
43	Stud M6*30 DIN 7991		8
44	Nut M6 DIN 934 (hexagonal)		4
45	Nut M8 DIN 934 (hexagonal)		36
46	Nut M6 DIN 1587 (cap nut)		17
47	Nut M8 DIN 1587 (cap nut)		4
48	Washer 6 DIN 9021 (enlarged)		5
49	Washer 8 DIN 125 (flat)		4
50	Washer 10 DIN 125 (flat)		50
51	Screw 4*40 DIN 7997		40
52	Washer 6 DIN 7980 (spring)		4
53	Screw 6x60 SPAX T-STAR plus (flat, TX30)		92
54	Washer 6 DIN 125 (flat)		1
55	Stud M6*40 ISO 7380		1
56	Flange 4*25*95 mm		1

Picture 18 - LK110-COSMOS



Picture 19 - LK110-COSMOS