

interatletikaTM

PRODUCTION AND SALE OF PLAYGROUND AND OUTDOOR
EQUIPMENT

Consulting support:

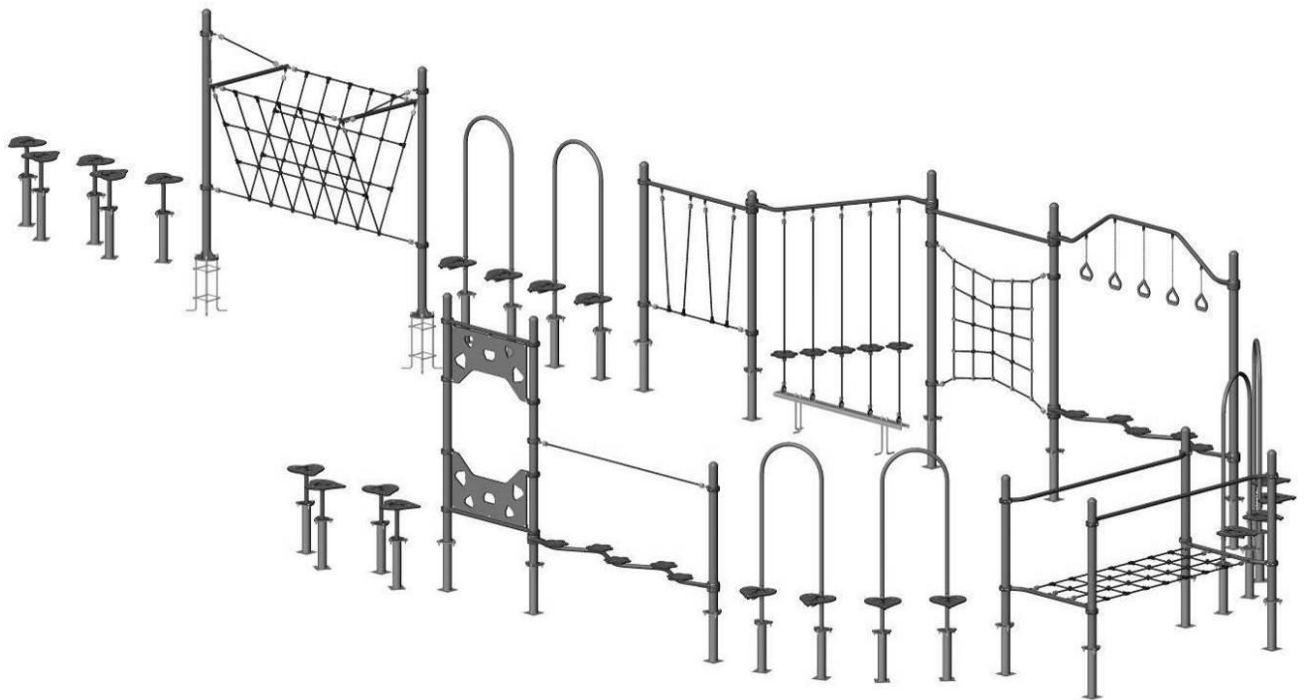
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LK800

DATA SHEET



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FOR NOTES

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal black lines across its entire width, typical of notebook or legal stationery. The background is a solid off-white color, and there are no margins, text, or other markings present.

1. GENERAL INFORMATION

1.1 Article number _____.

1.2 Name _____.

1.3 Manufacturer LLC «Company Sporttehnika», 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

Product code	Name	Dimensions, mm			Height of fall, mm	Weight, kg
		Length	Width	Height		
LK801	Rope adventure	7352	6127	2783	2611	409,8
LK802	Play equipment "Jumpers"	1009	401	1826	300	33,9
LK802.1	Jumper	367	389	299	300	11,3
LK805	Climbing rope playground	5442	3238	2483	1984	273
LK806	Climbing rope playground	3153	3153	2304	1657	245
LK807	Rope arch	2646	1589	1105	1105	124,5
LK810	Rope tunnel	3156	2633	1935	495	206,1
LK811	Triangular rope tunnel	3131	1070	2144	1580	92,8
LK812	Rope bridge	2630	1330	1483	330	118,7
LK813	Rock climber	1331	130	2483	2220	88,2
LK814	Rope ladder	2342	1242	570	570	47
LK815	Rope slope	2630	2028	2435	2435	133
LK816	Rope "Spider web"	3500	3500	1162	960	309,2
LK822	Rope fence	7542	2000	2483	2384	165,6
LK822.1	Rope fence	13042	2042	2483	2384	324,6
LK823	Climbing rope playground	8812	5992	2483	2220	398,4
LK823.1	Climbing rope playground	5722	4314	2483	1850	242,4
LK824	Climbing rope playground	19930	7595	2520	2220	897
LK824.1	Obstacle course	3831	471	2483	2220	133,4
LK824.2	Climbing rope playground	8330	471	2525	2090	247,6
LK825	Ropeway	12140	1345	3062	2860	538,5

Age restrictions – from 5 to 12 years old

3. COMPLETE SET

Complete set of the product is given in the «Complete set information» and «Complete set of hardware», supplied with the product.

4. CERTIFICATE OF ACCEPTANCE, PACKAGING AND CONSERVATION

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

OTC mark: «____» _____ 20__ year.

Date

Full name

P.S.

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

«____» _____ 20__ year.

Date of packing

Packed by _____

Full name

Signature

Information on conservation and deconservation during operation

Conservation date	Conservation method	Conservation 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 damage.

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. INSPECTION AND TESTING

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. PRODUCT 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 recording

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

8. INSTRUCTIONS FOR SAFE USE

WARNING! Children are allowed on the equipment only under adult control.

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

The equipment is used on the 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 for users.

There should not be any 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 coating must be provided over the entire fall zone. With a free fall height of less than 1000 mm, a turf shock-absorbing coating 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
<ol style="list-style-type: none">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.			

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

Playground surface materials with low impact-absorbing features should only be used outside the fall zone.

Product use:

- 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 users of a different age and weight category;
- before using clear the surface from foreign objects, sharp elements, protrusions;
- it is forbidden to move the product elements which are not intended for this;
- do not use in difficult weather conditions (ice, snow, rain, hail, strong wind, etc.), in which there is a possibility of 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 control;
- violation of age and weight restrictions by users;
- damage to the product due to improper storage, installation or use of the product for purposes other than those intended.

9. 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.

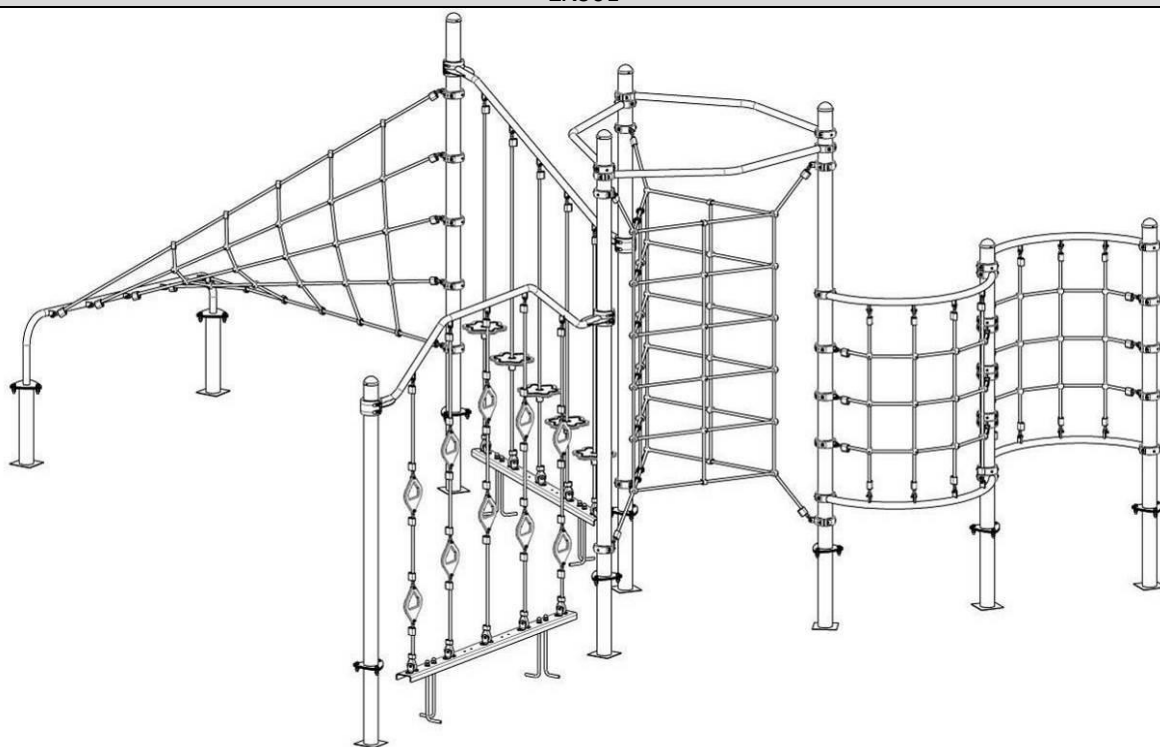
To avoid cracking of the wood, for screws with a diameter of more than 4 mm, drill holes with a diameter of 0.6...0.7 mm to a depth of 0.8 of the screw's length.

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

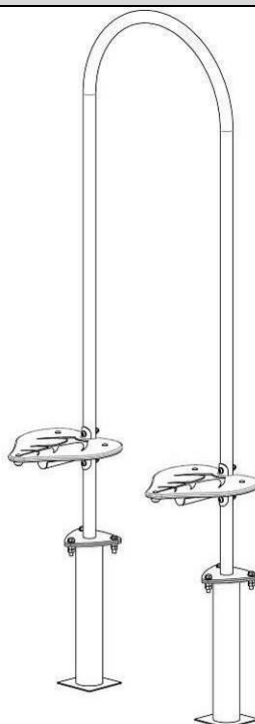
Install the product in stages, following the instructions in the appendix.

External view

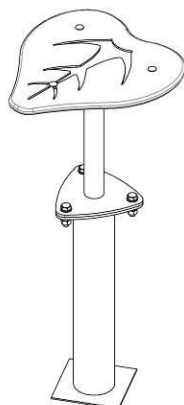
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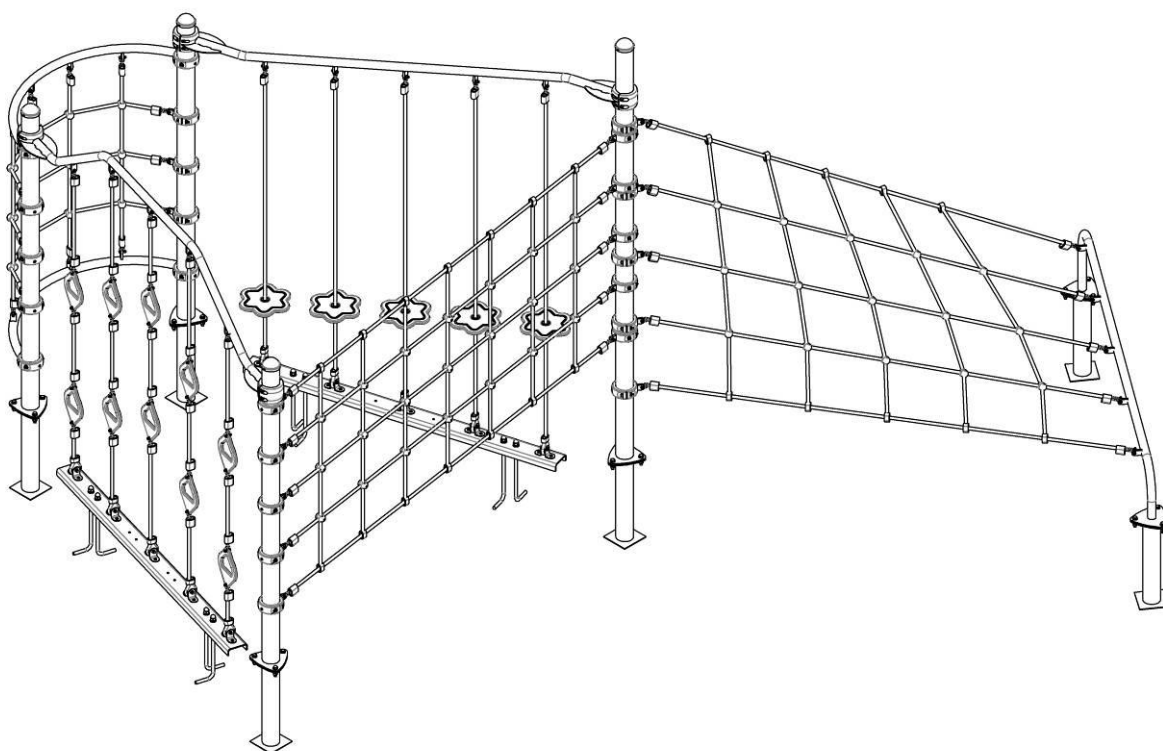
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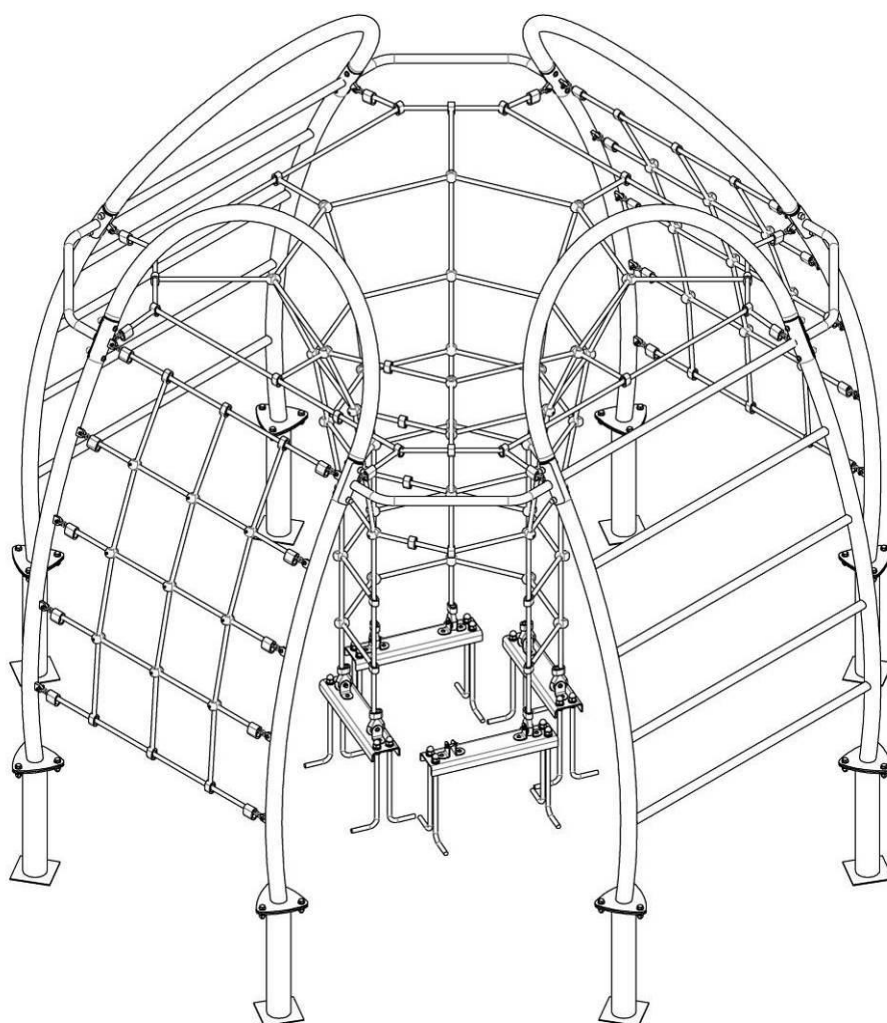
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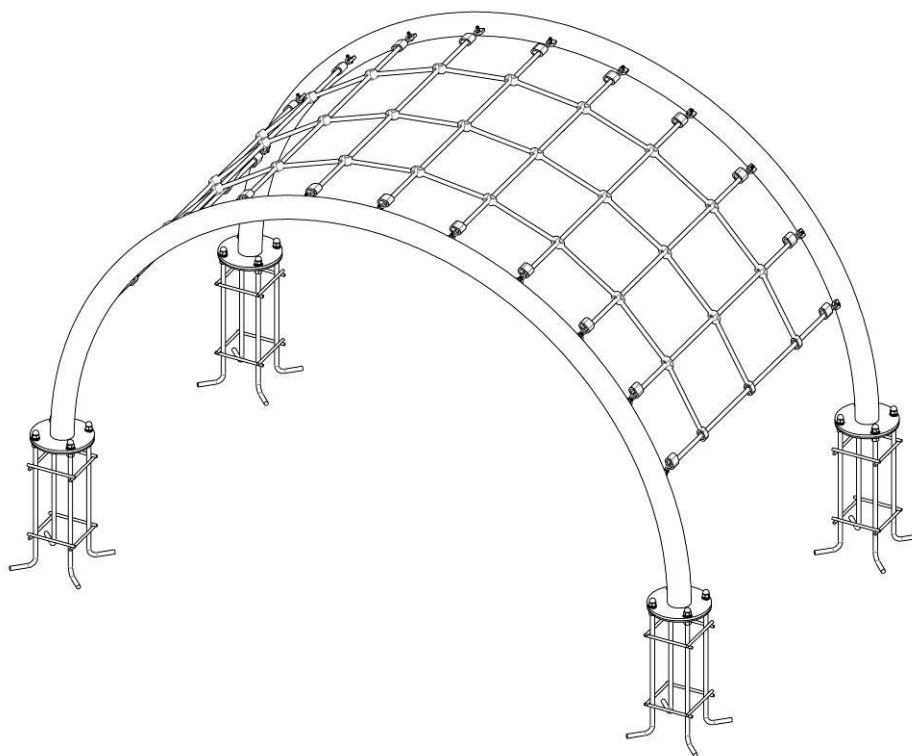
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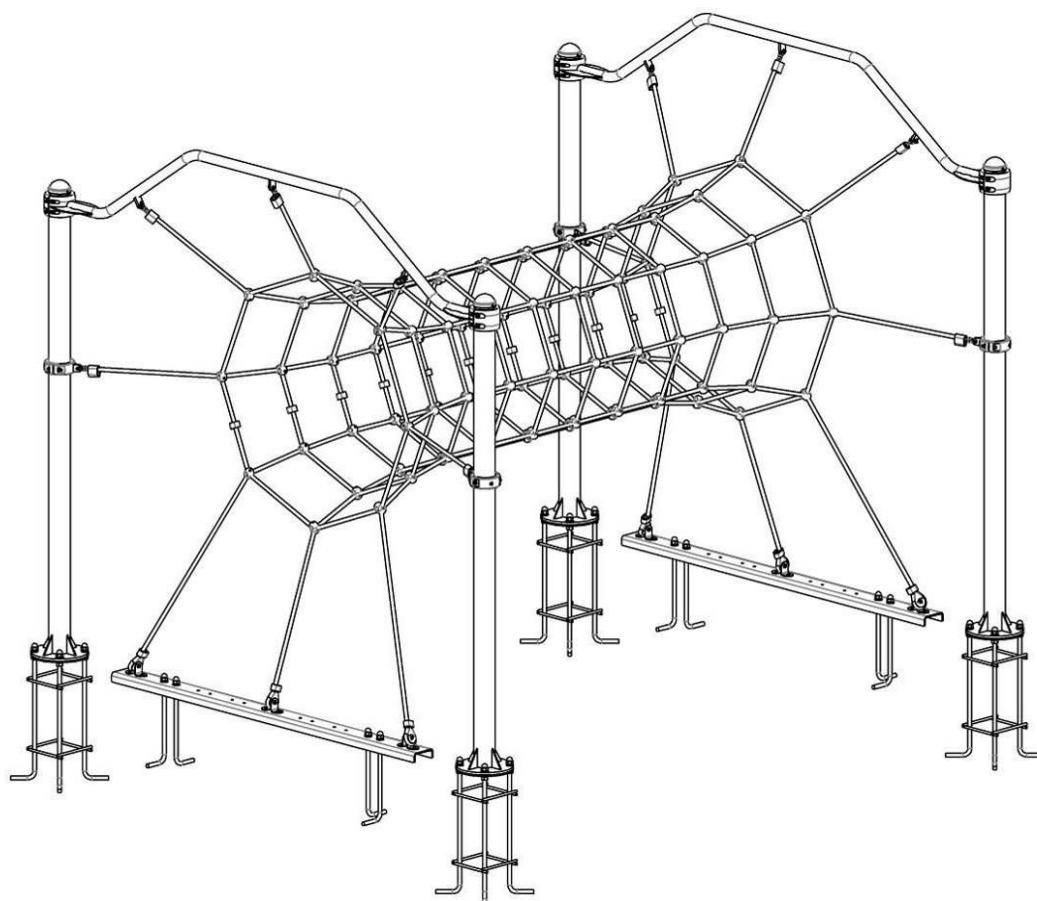
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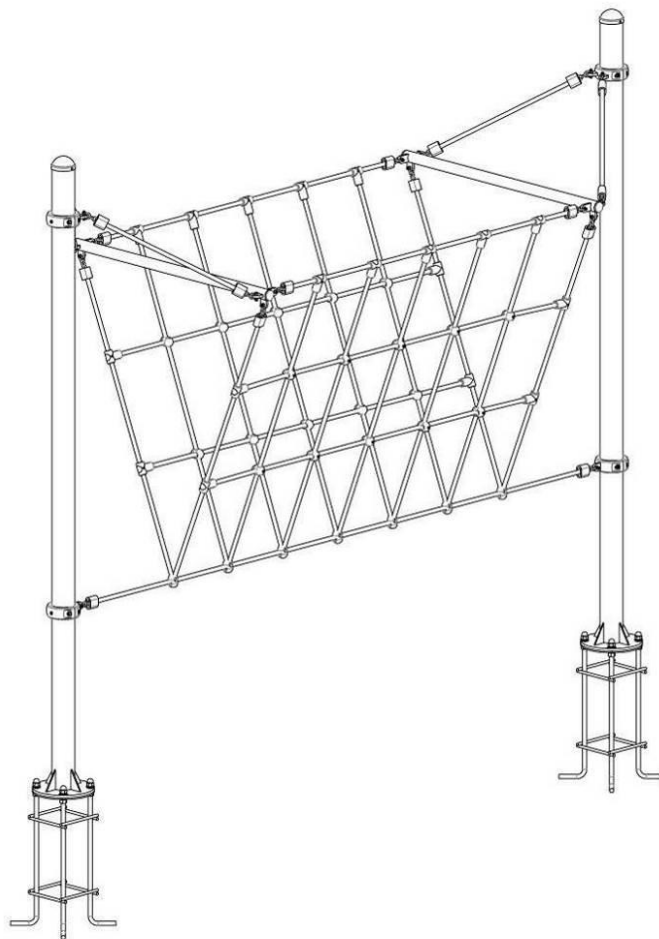
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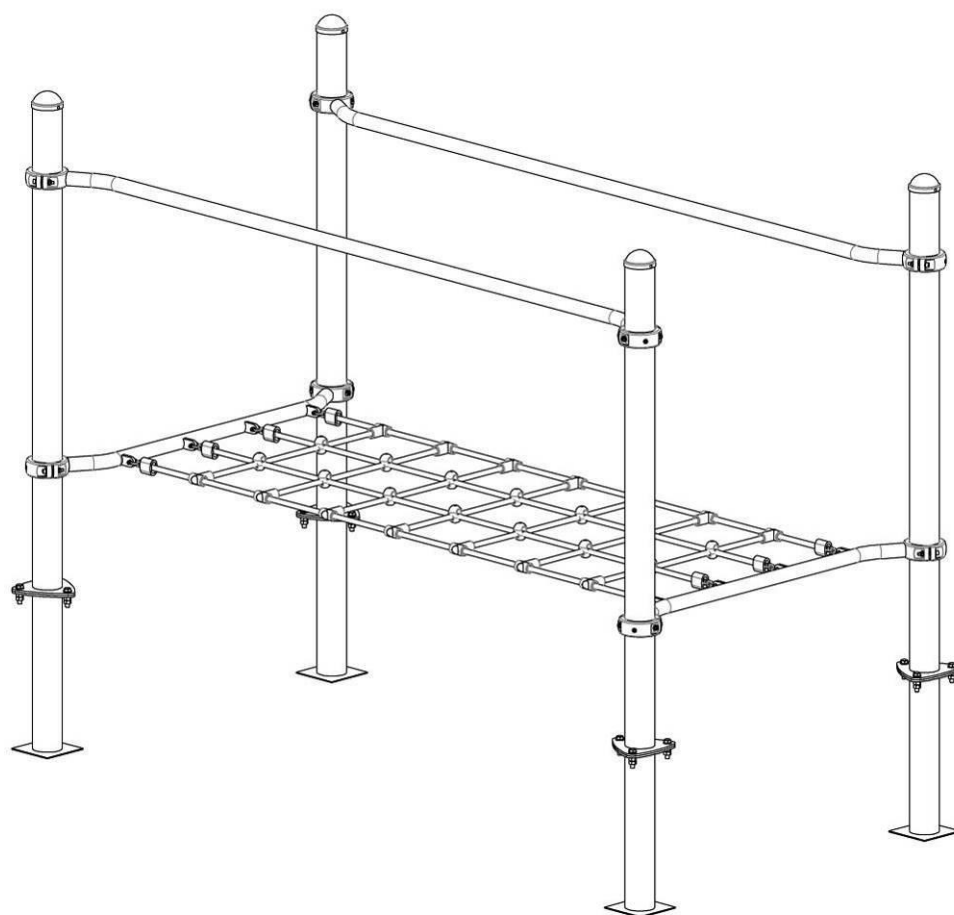
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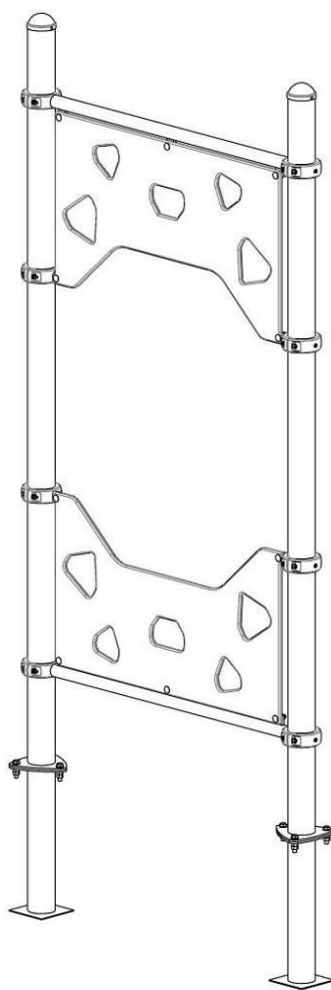
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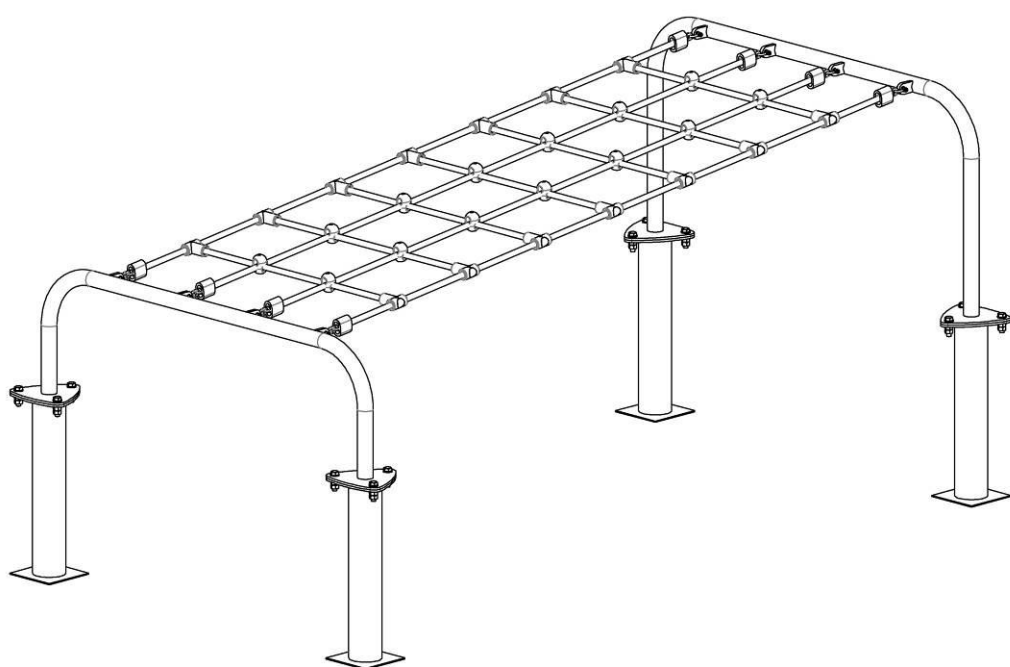
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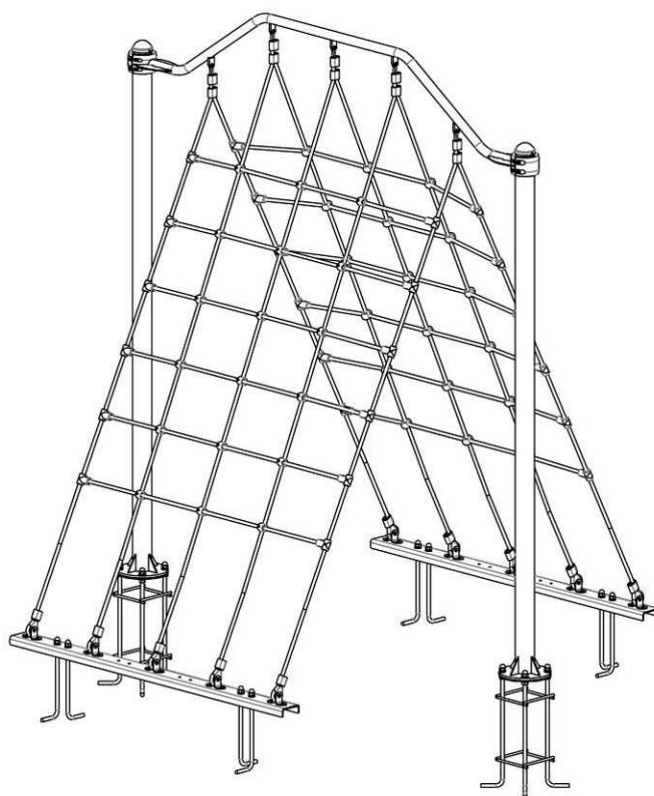
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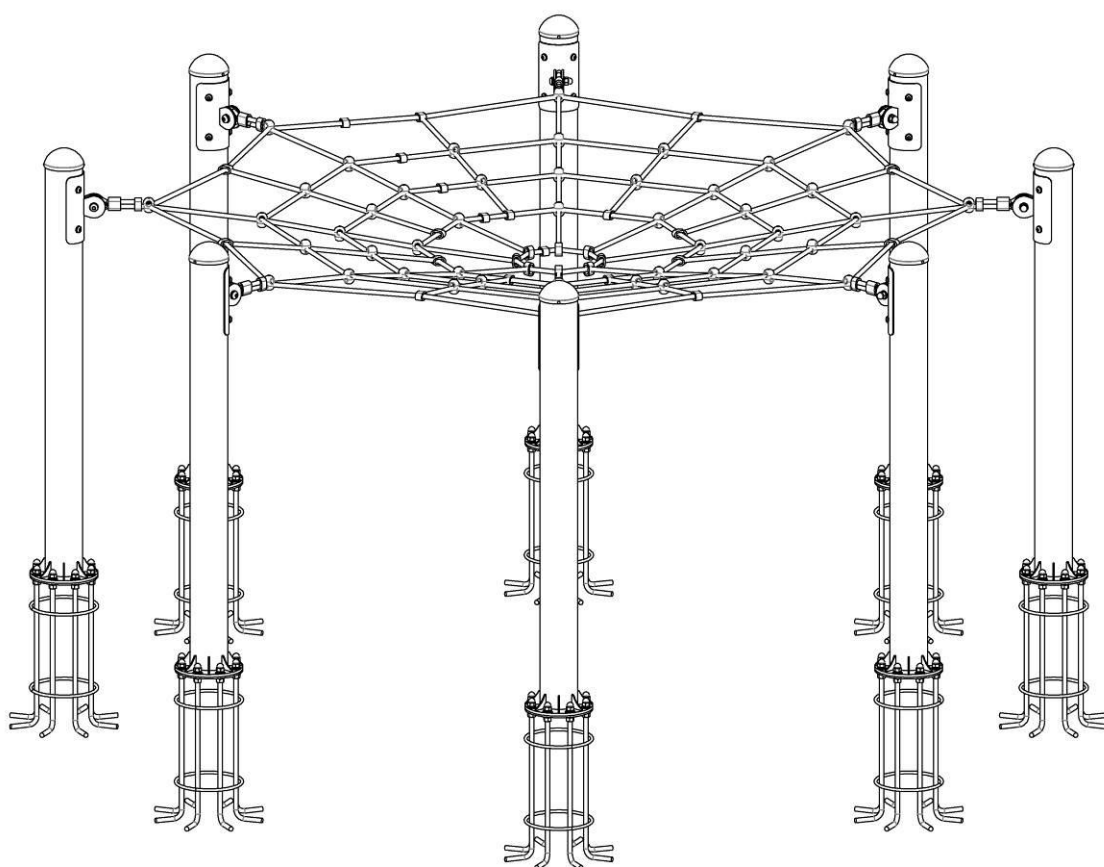
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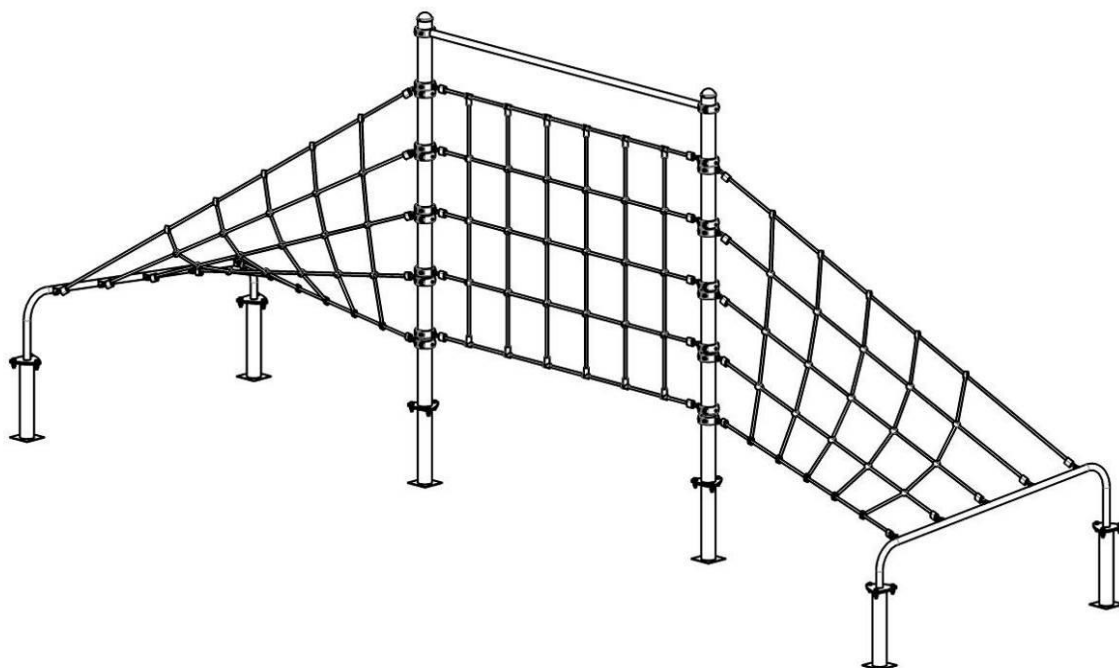
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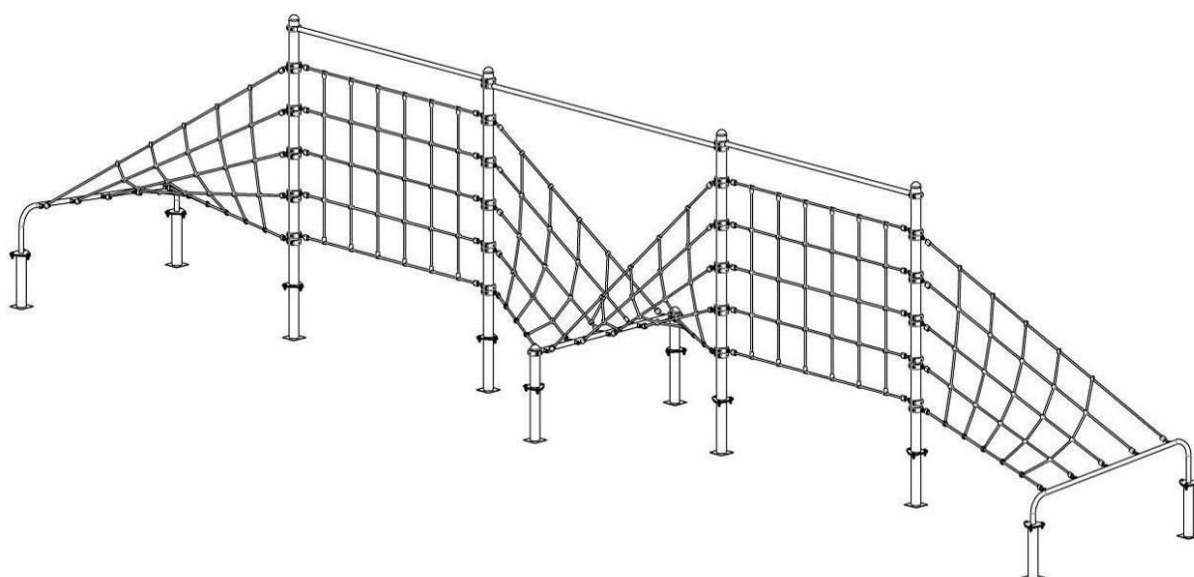
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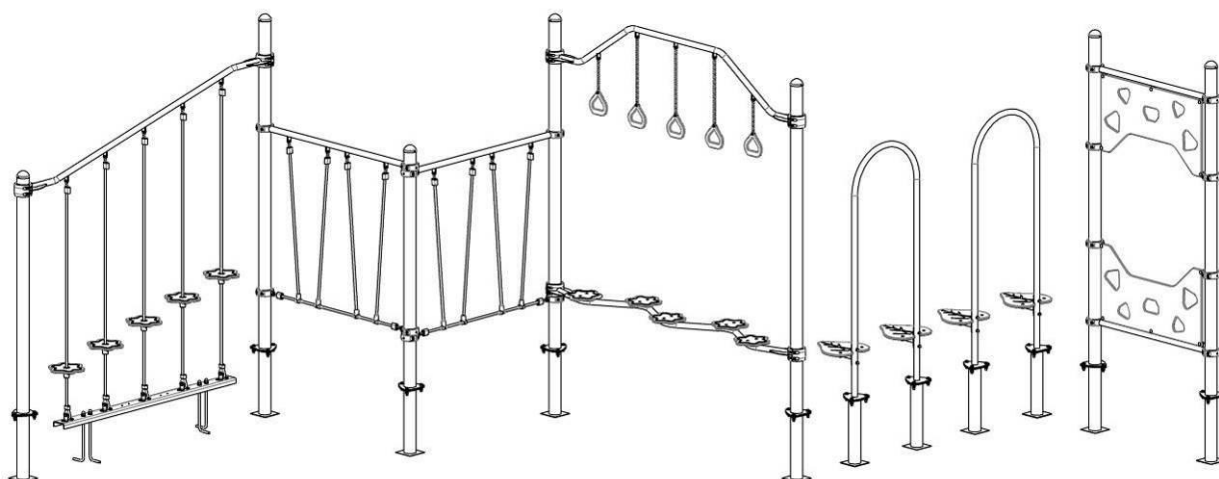
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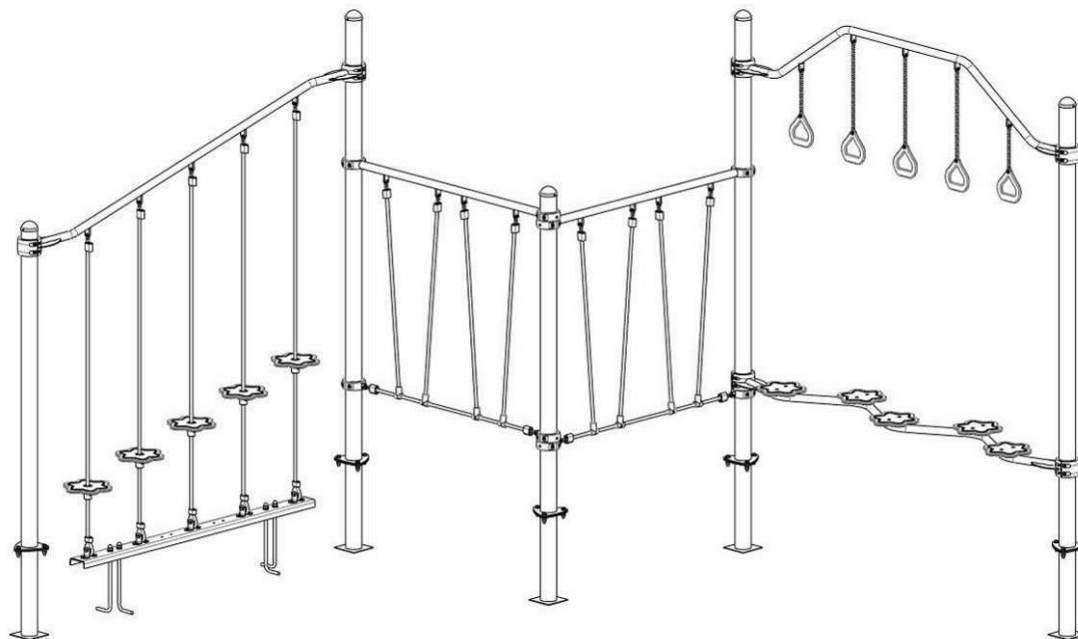
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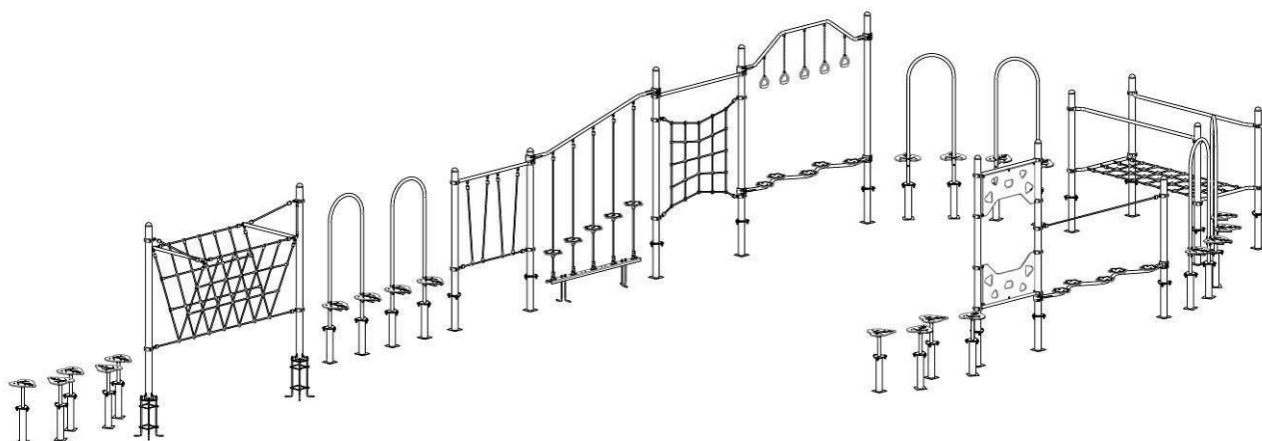
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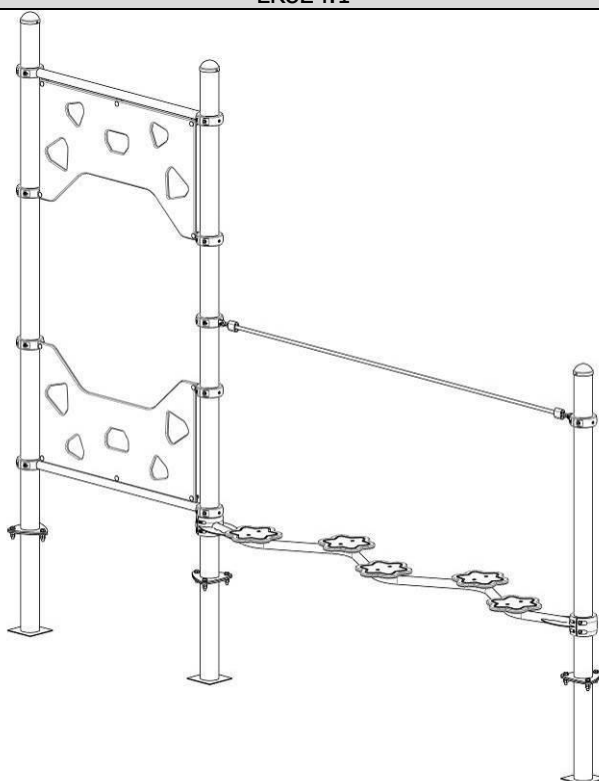
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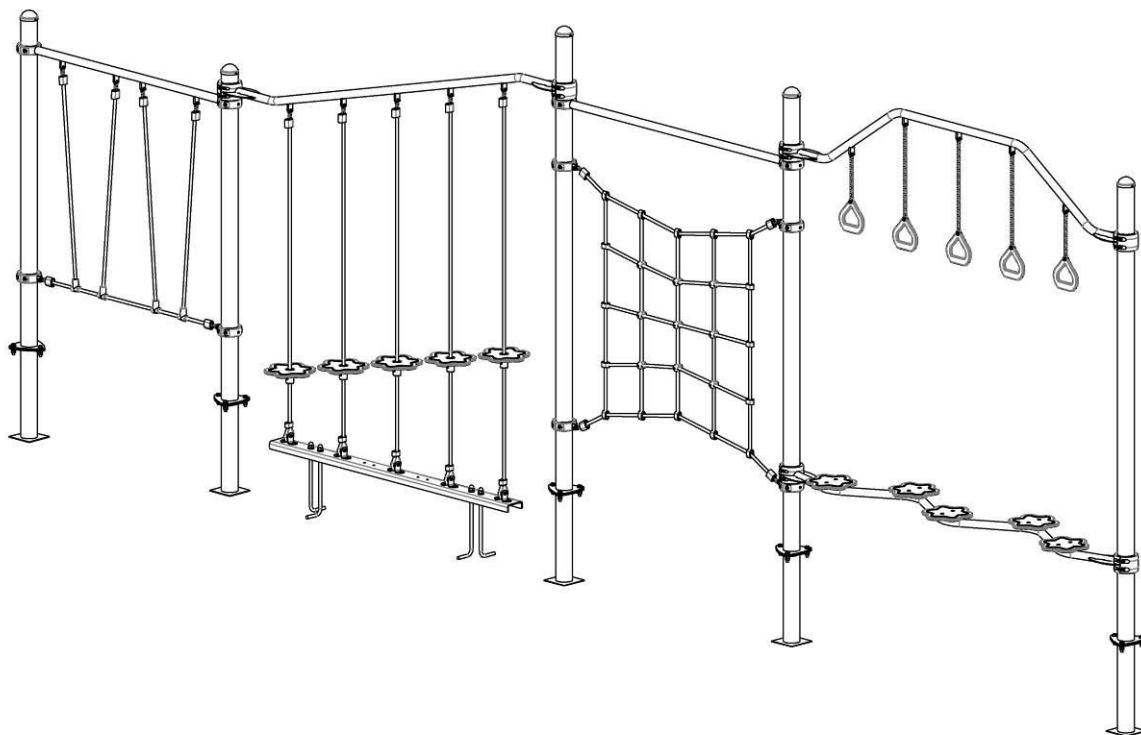
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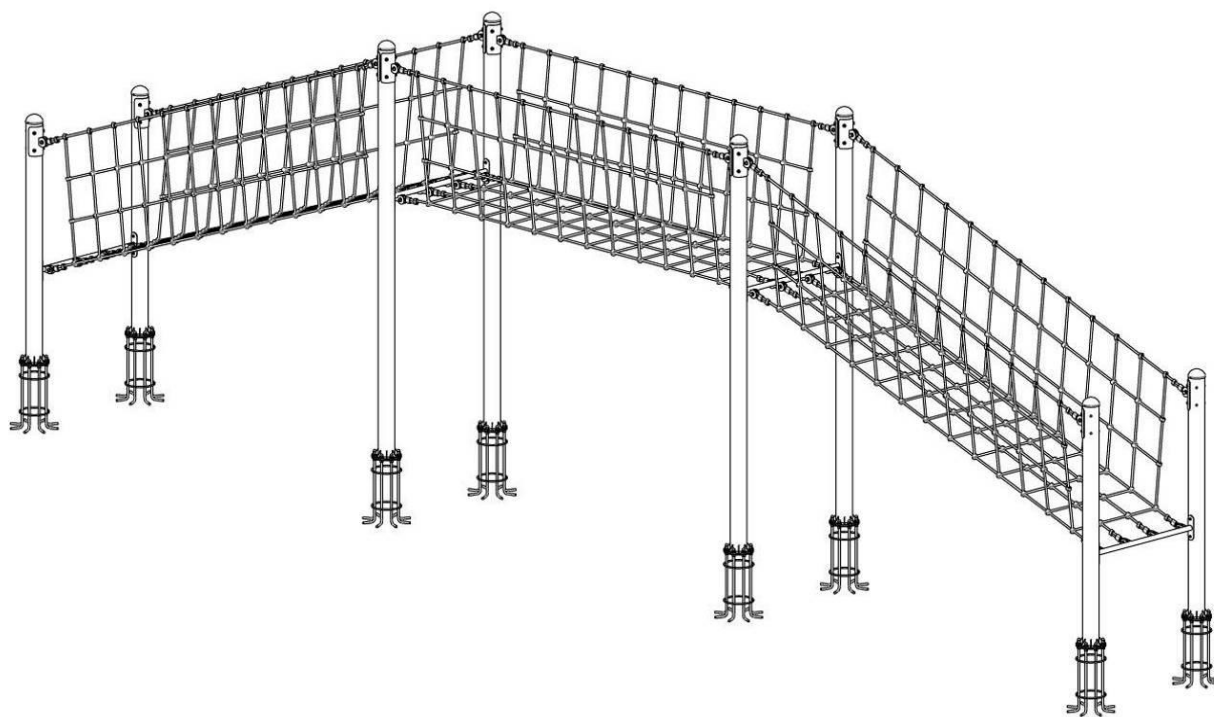
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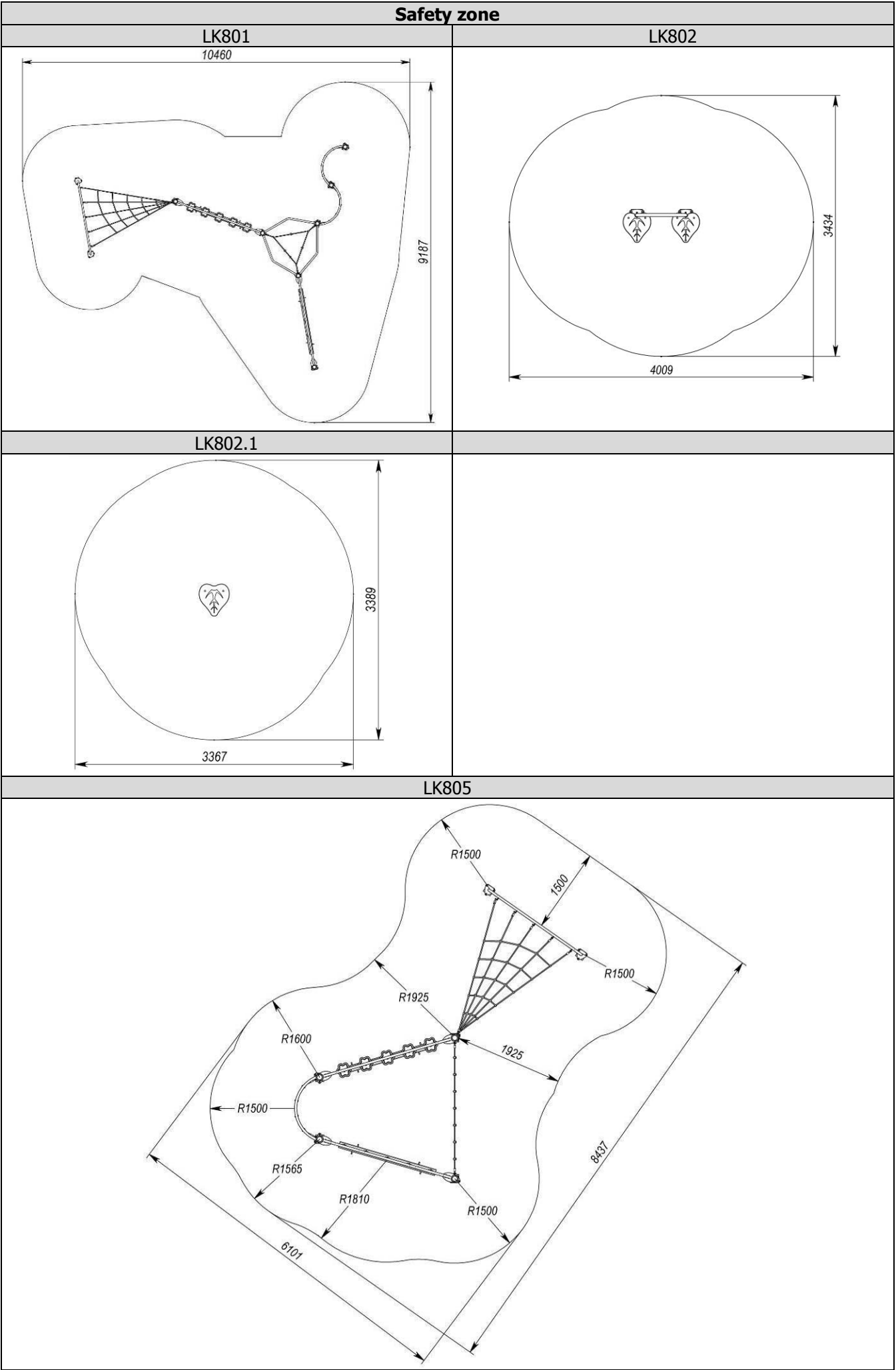


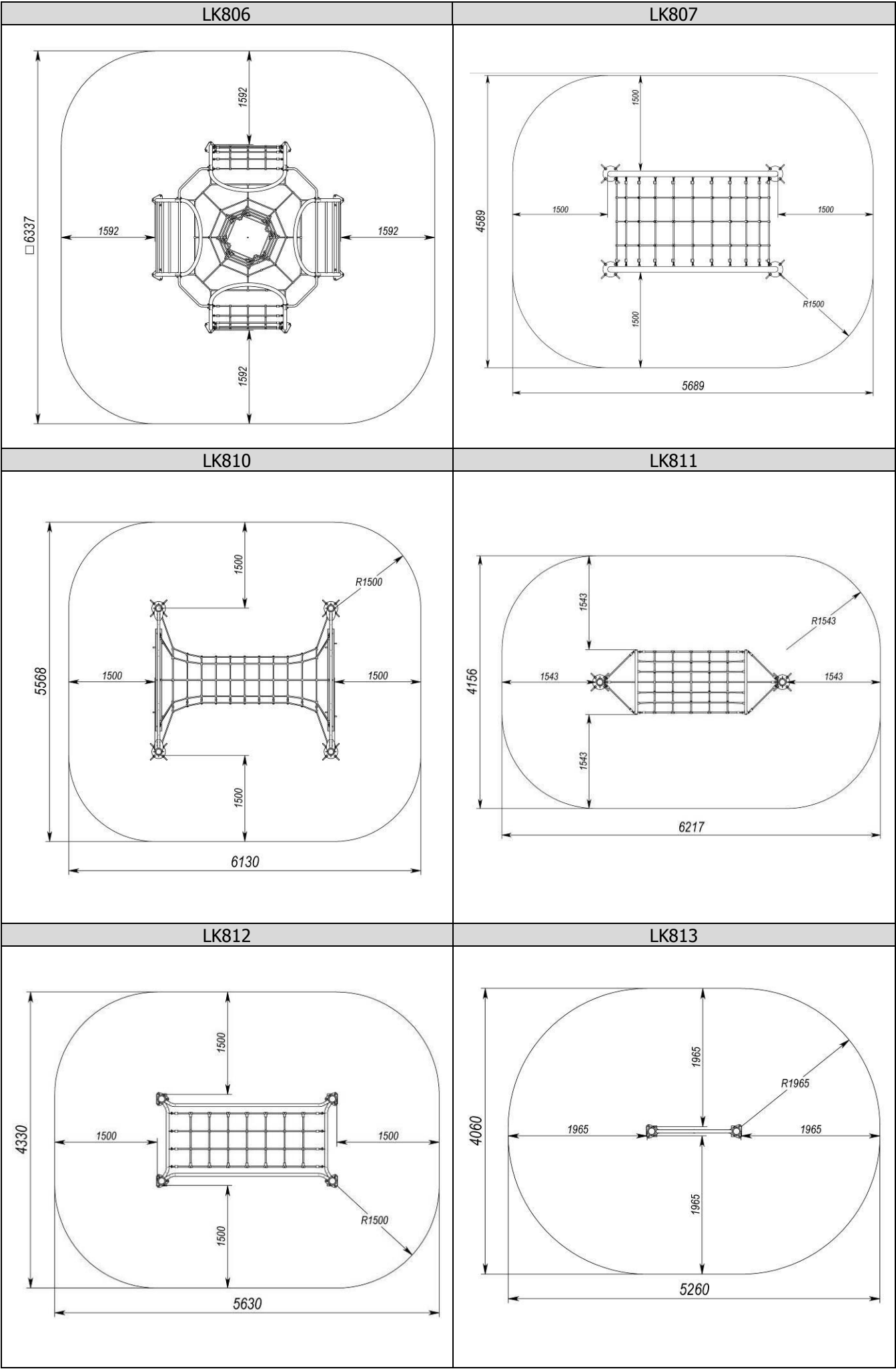
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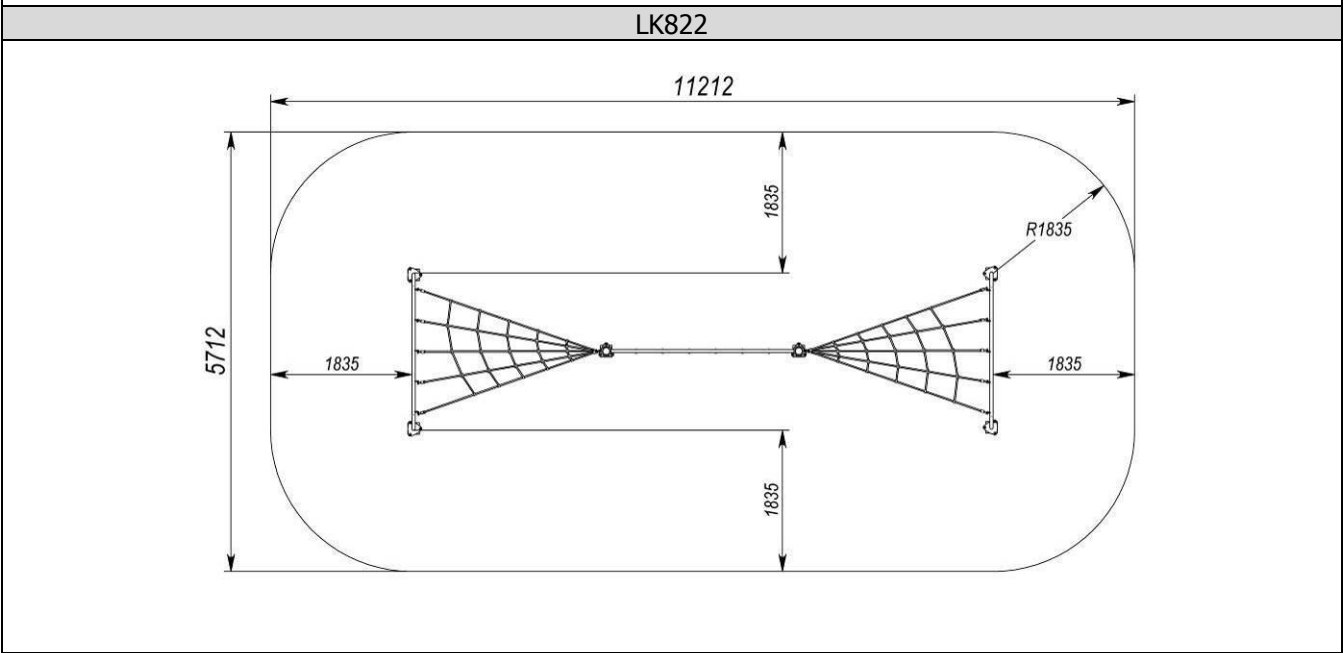
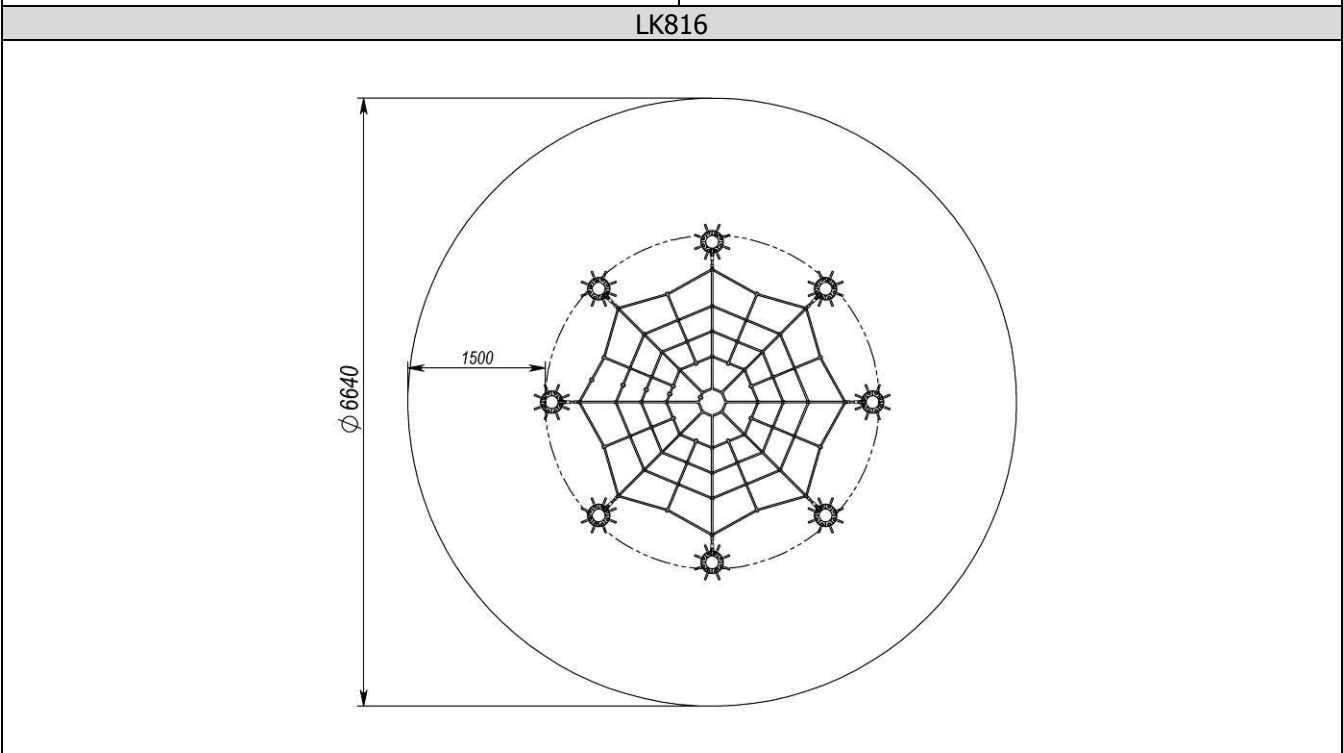
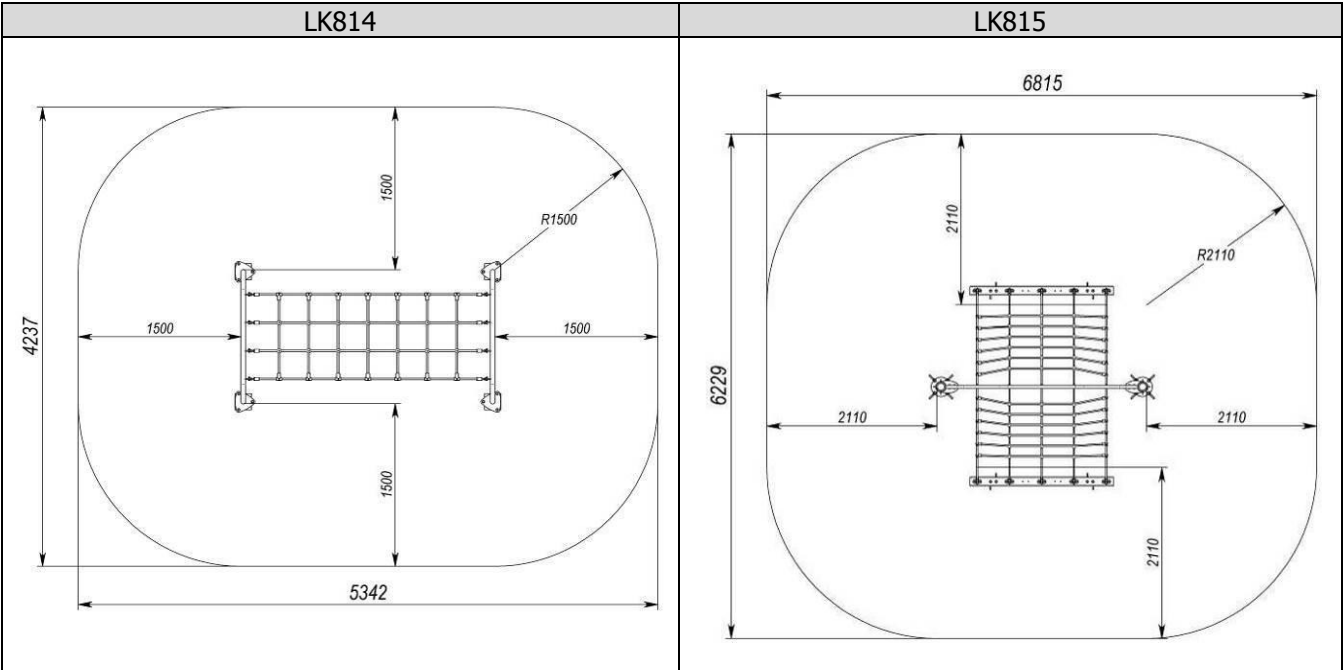


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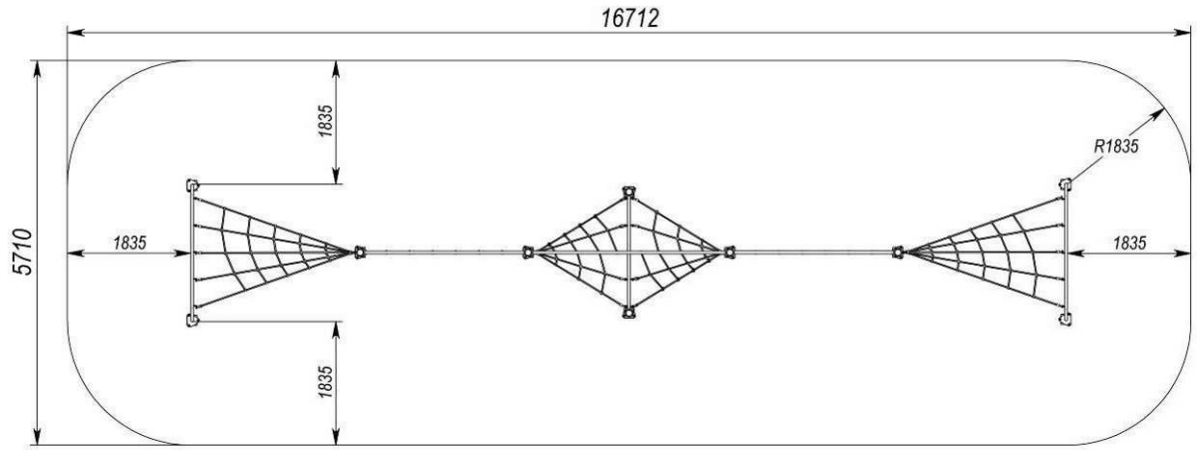




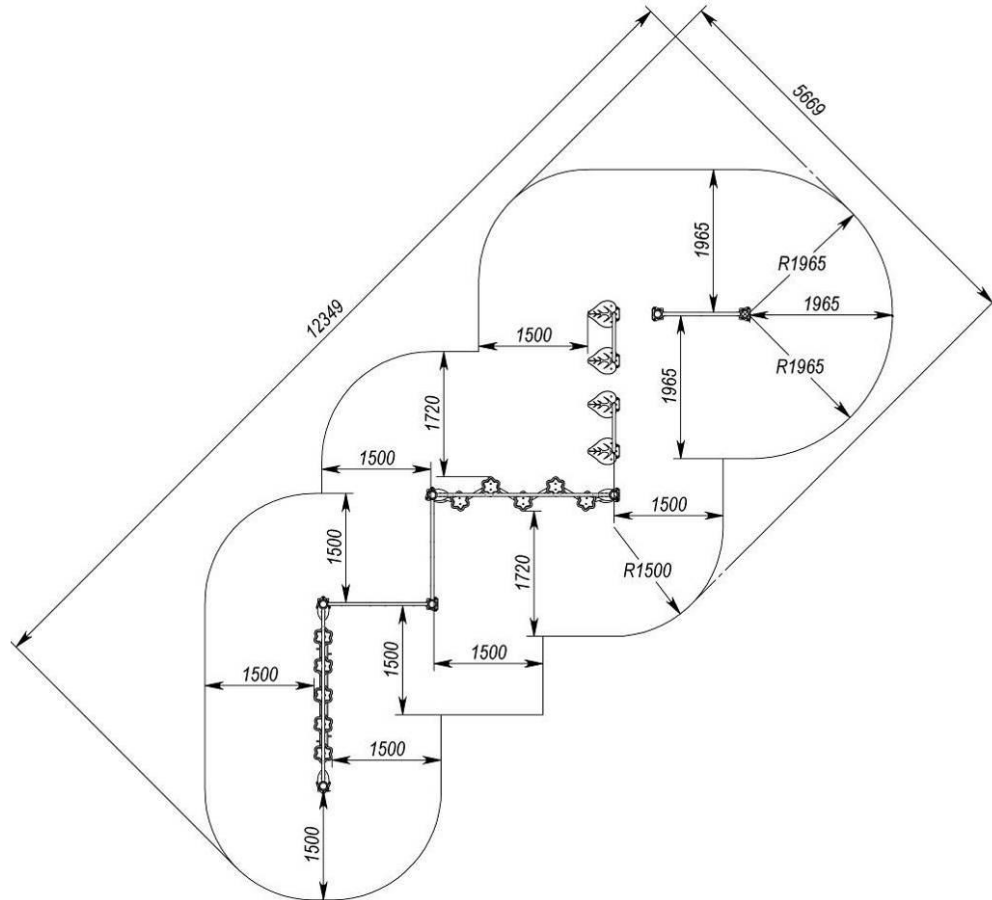




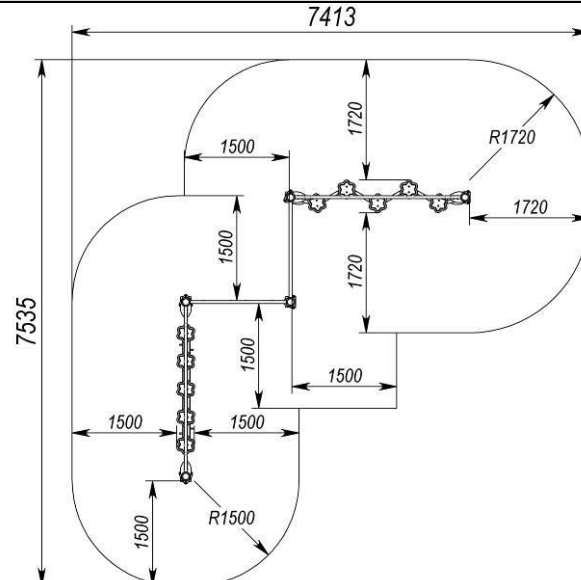
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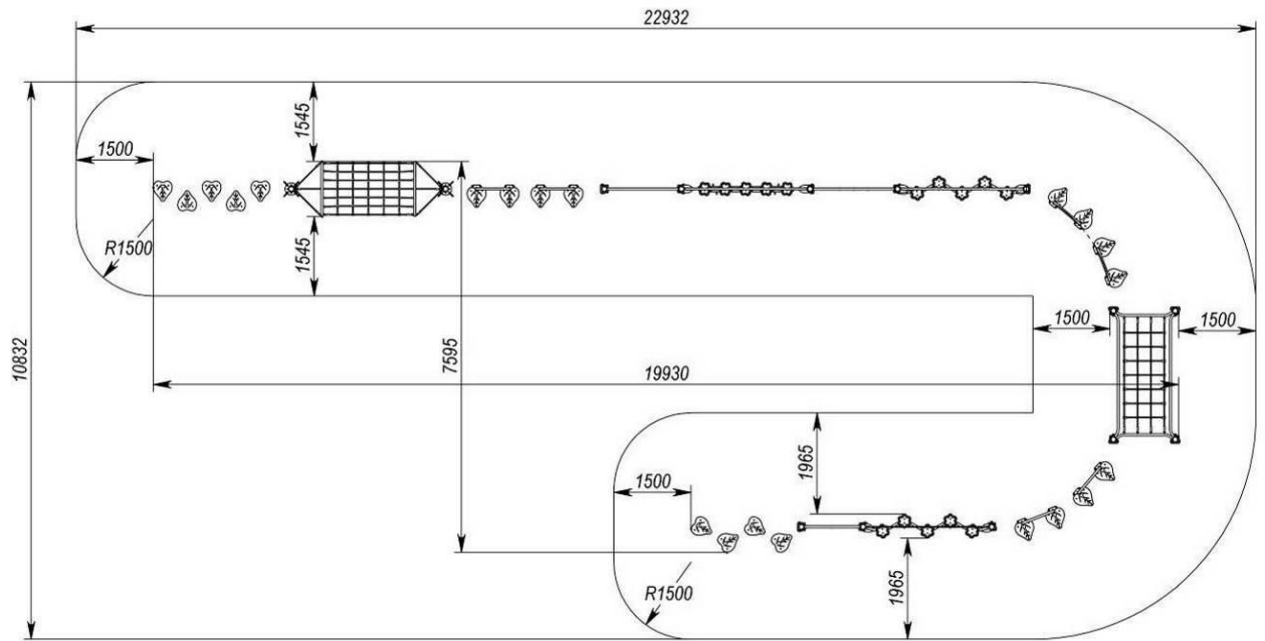
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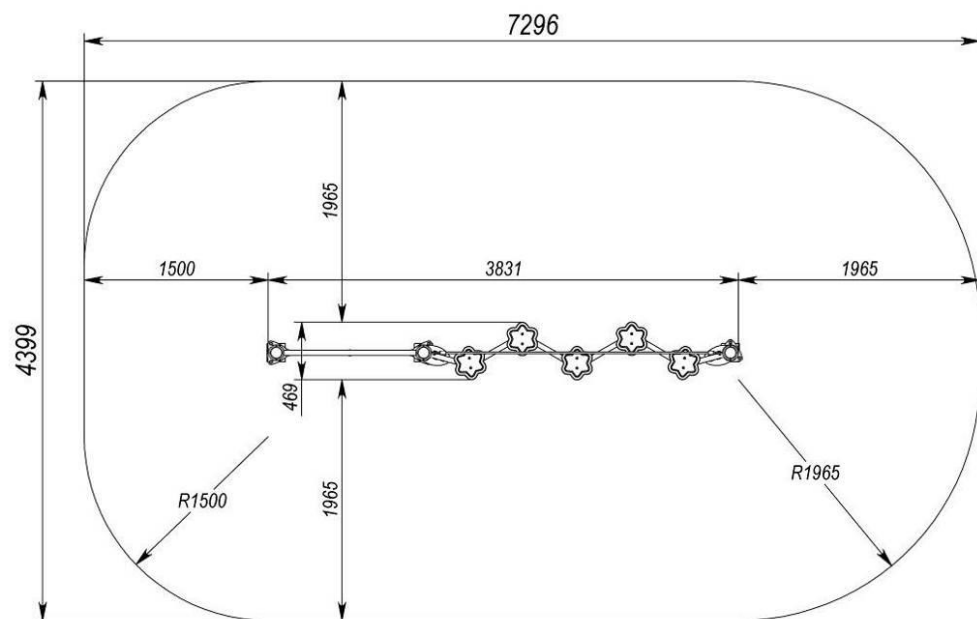
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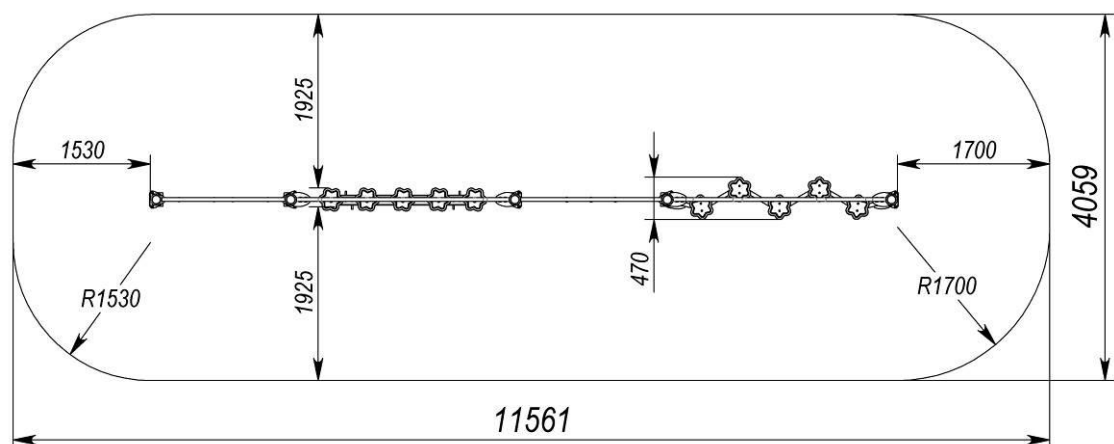
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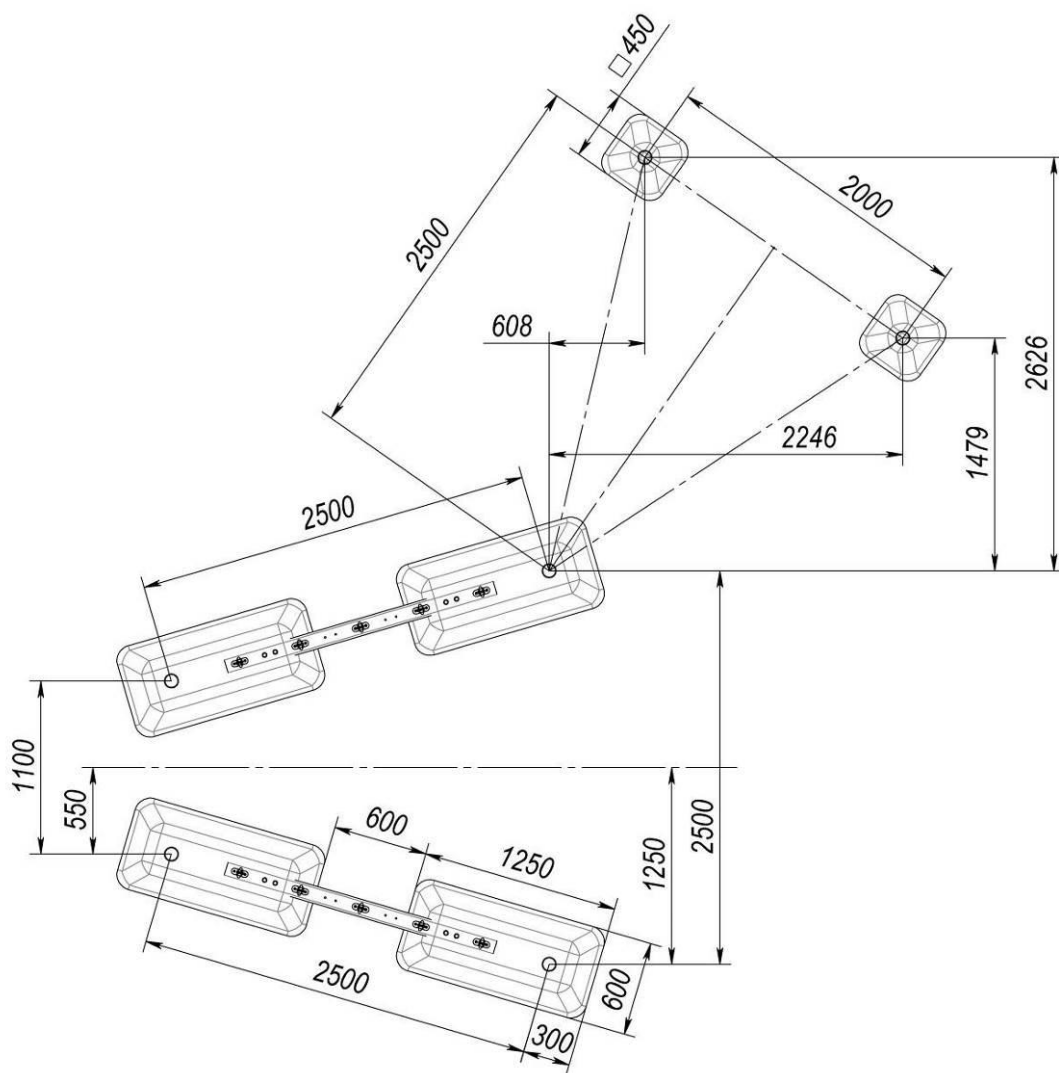


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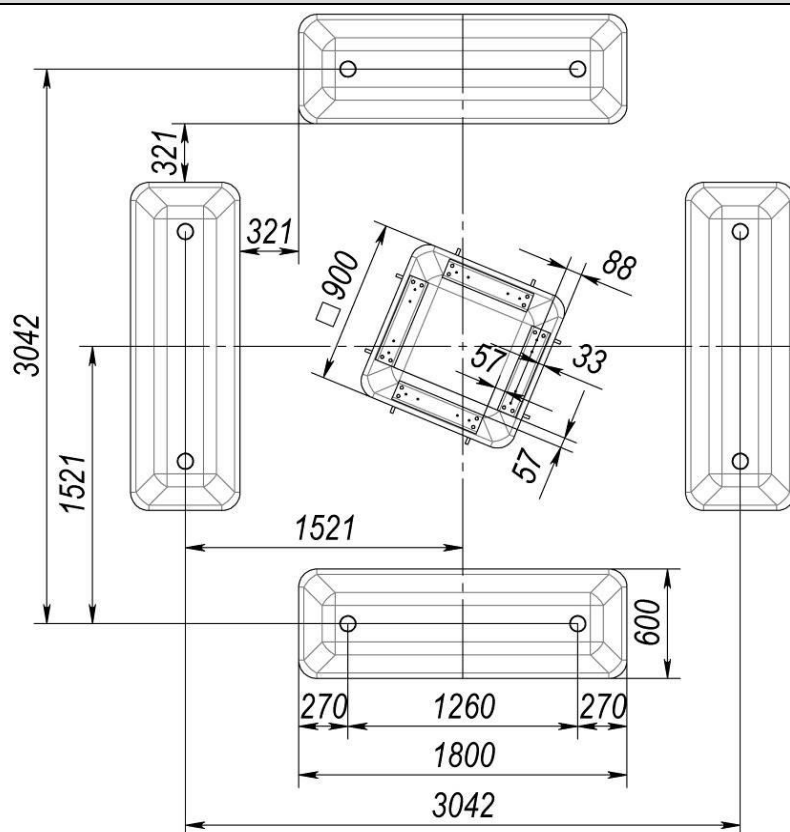


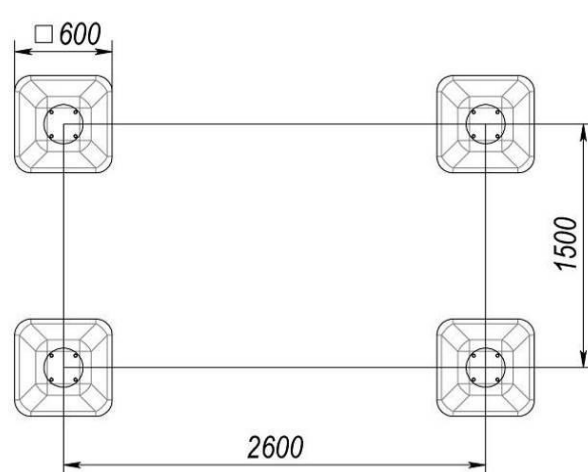
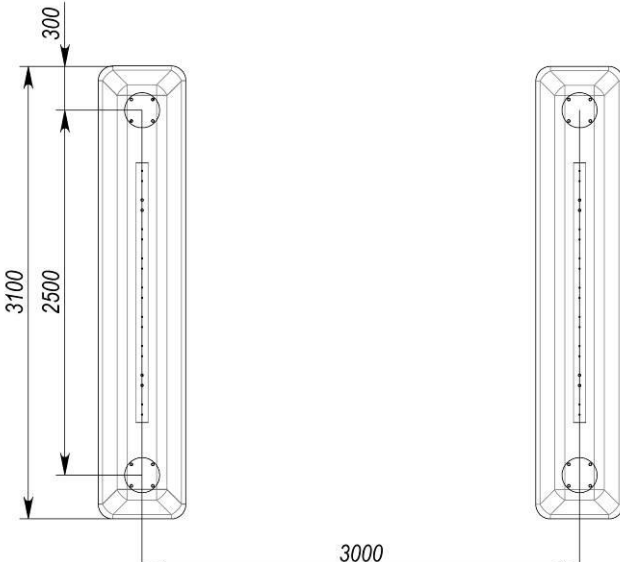

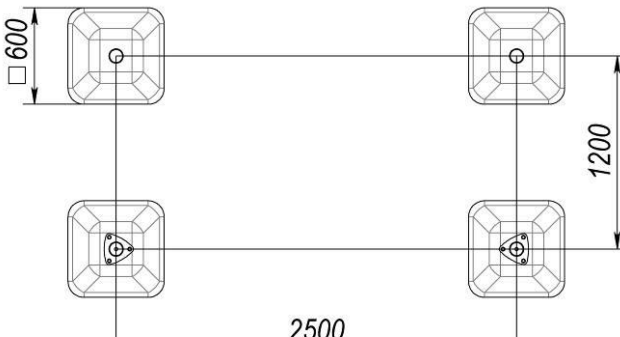
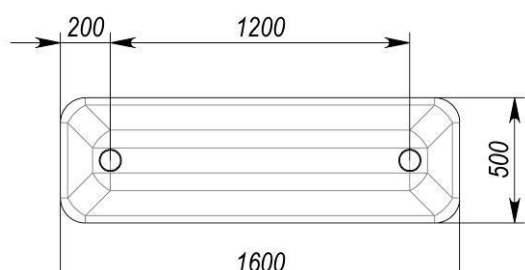
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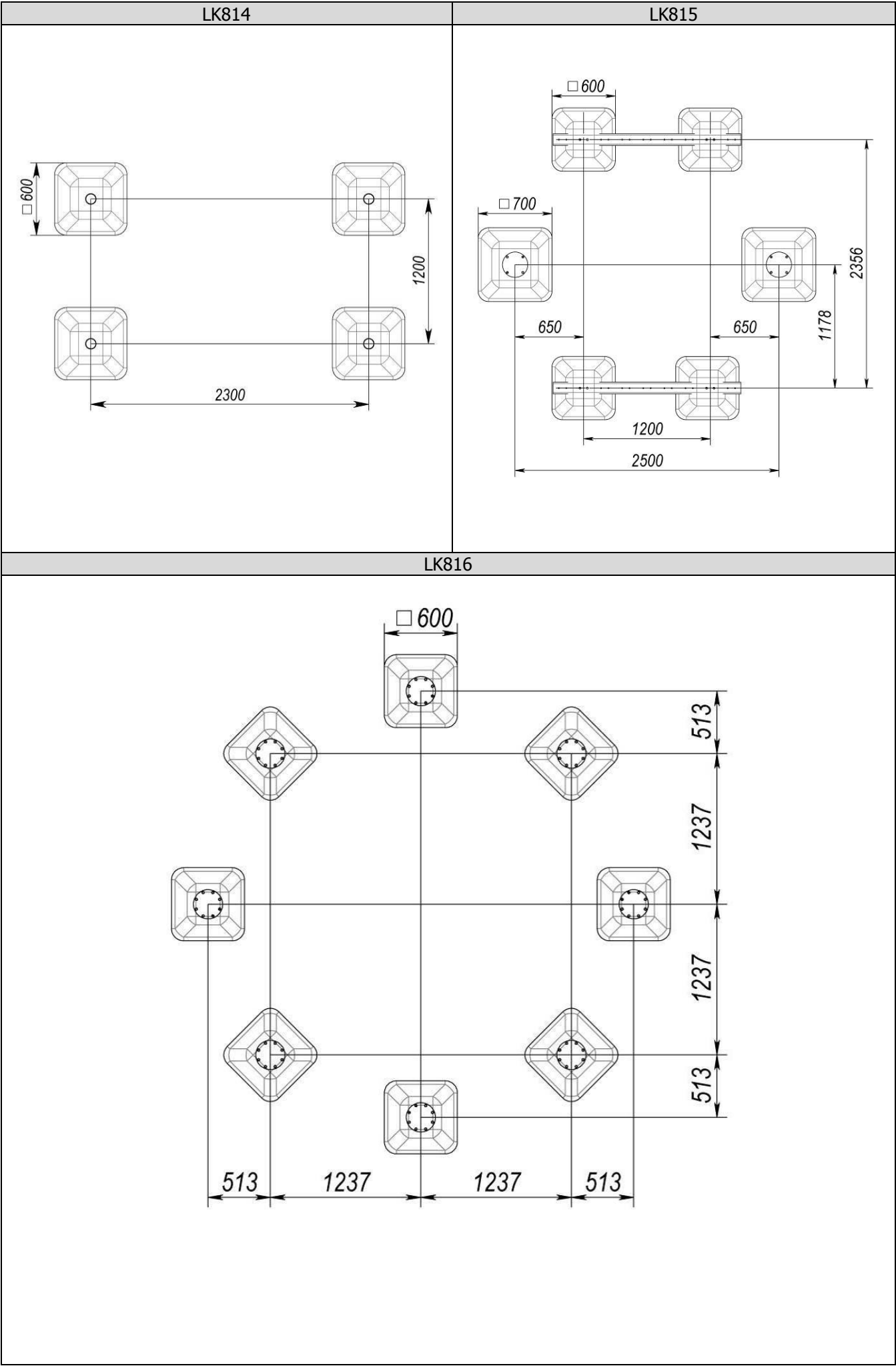
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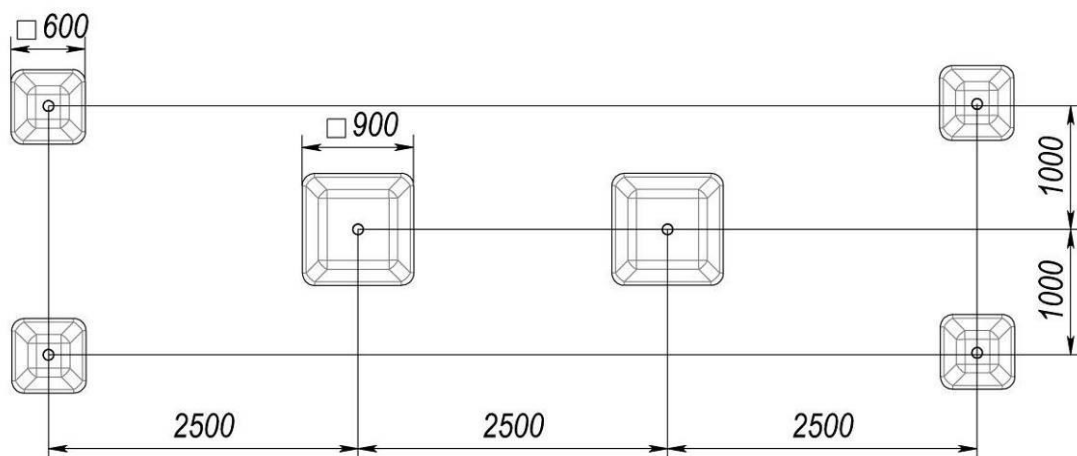
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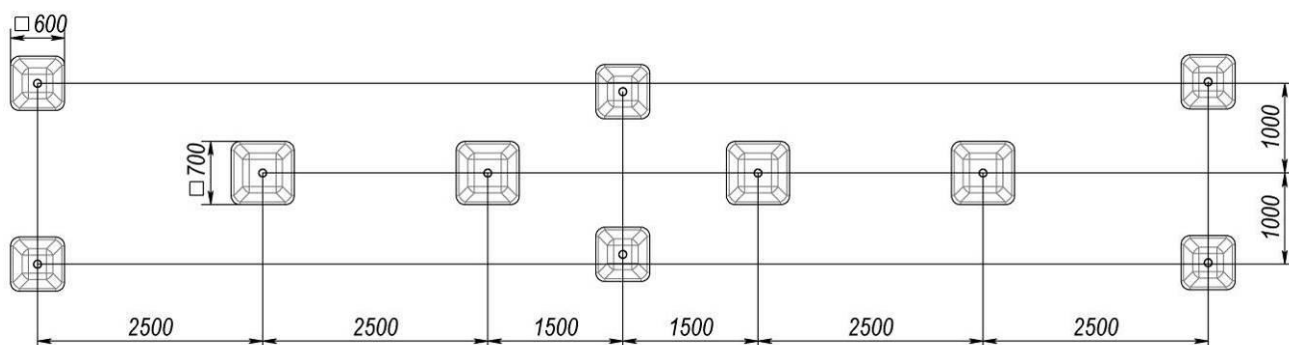
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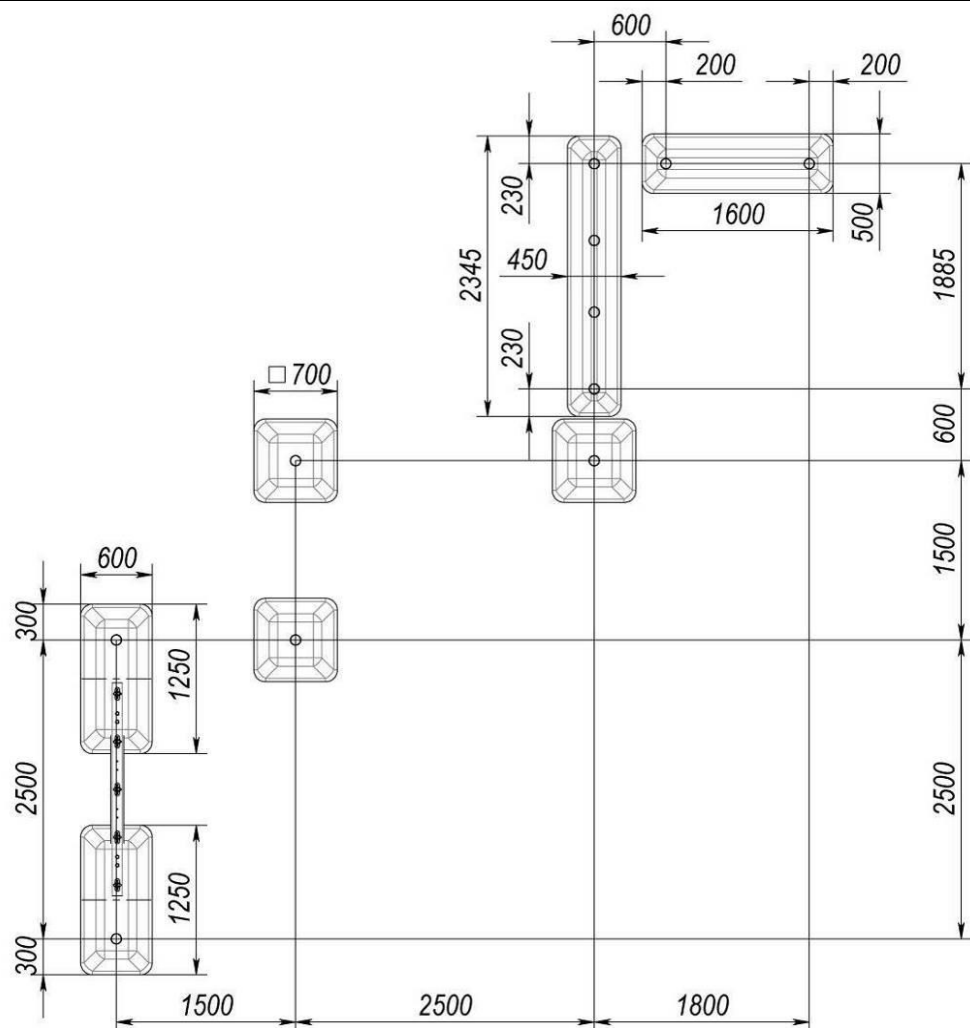
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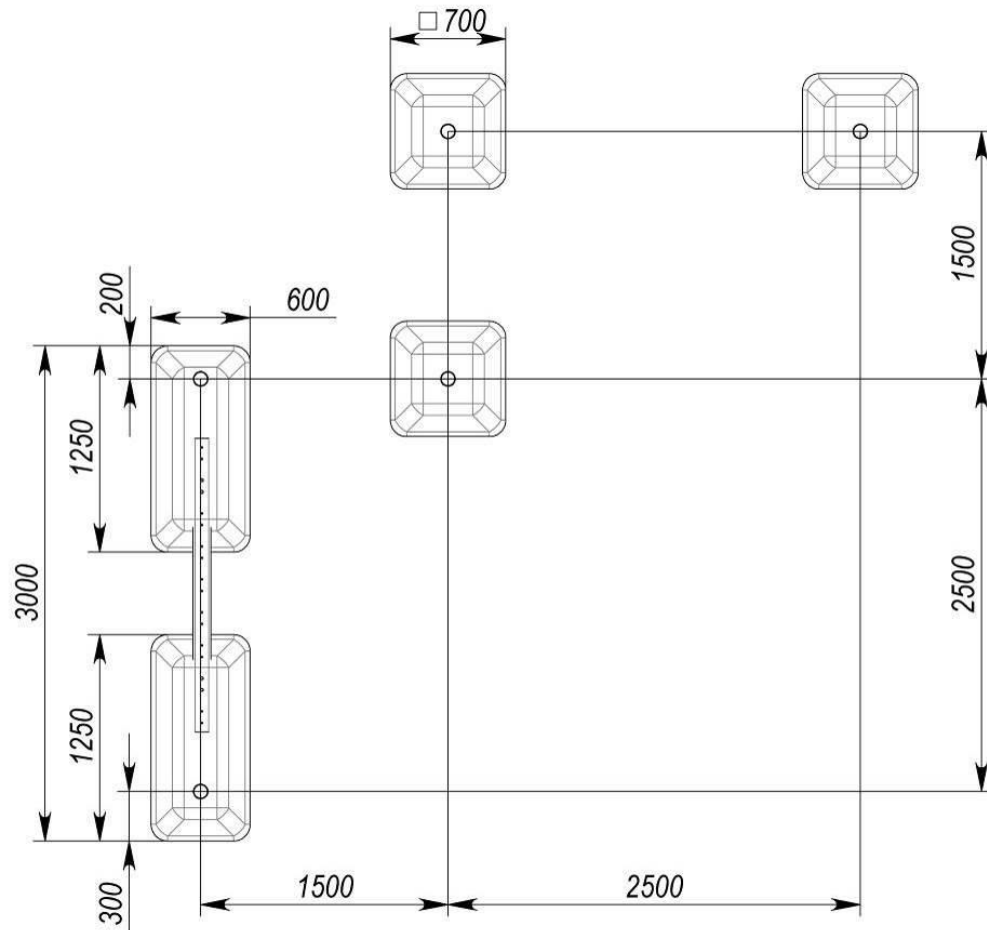


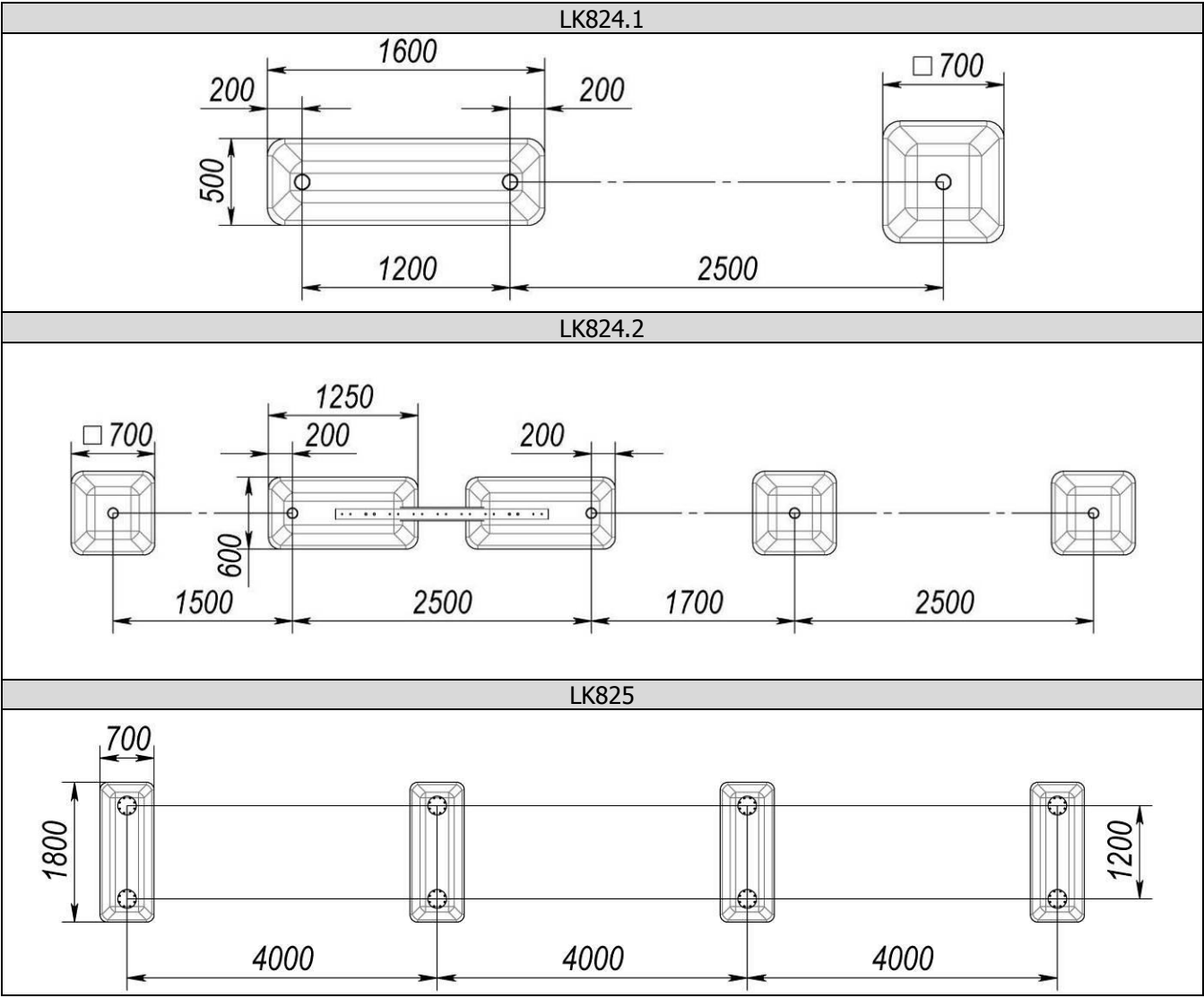
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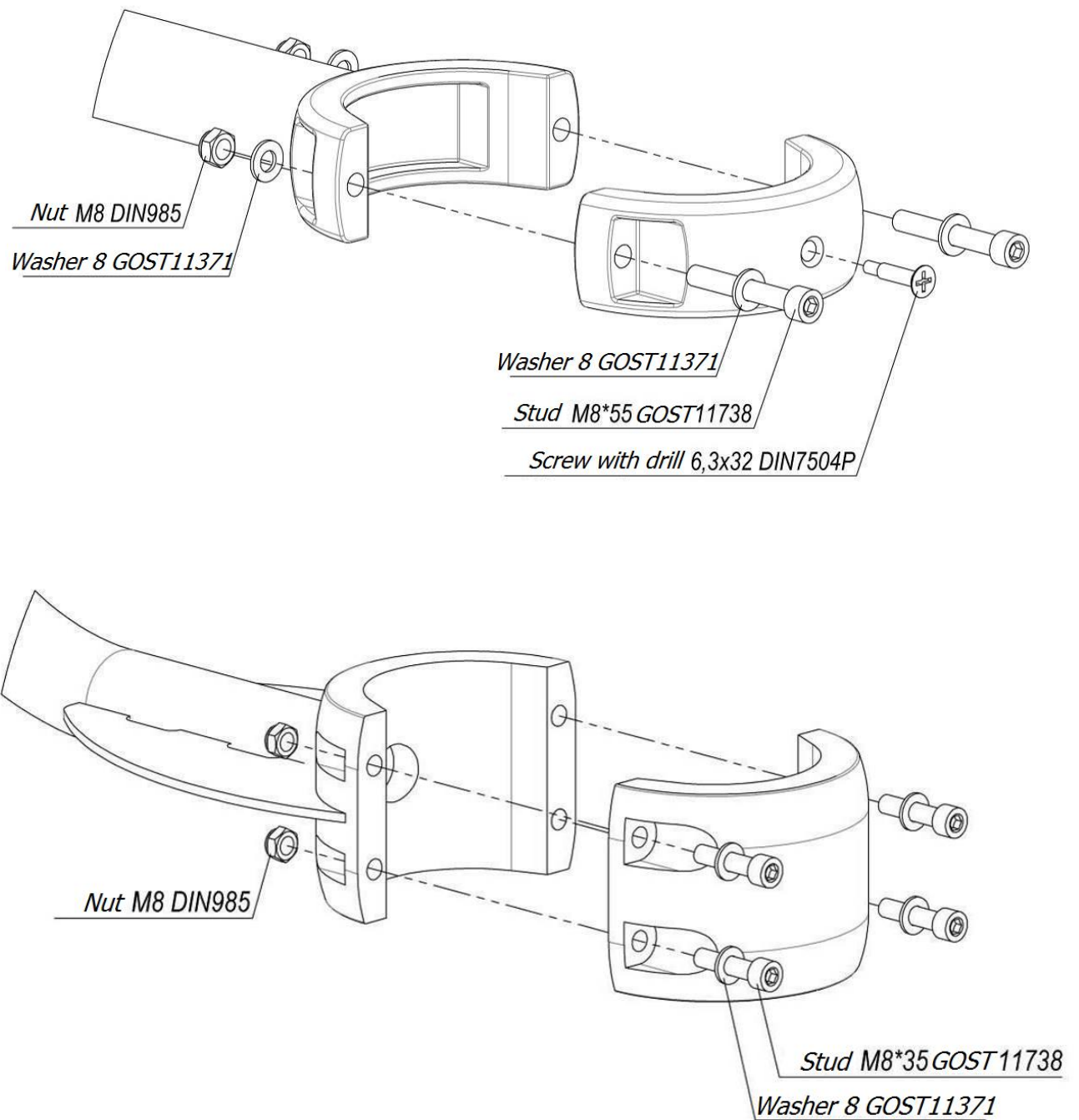




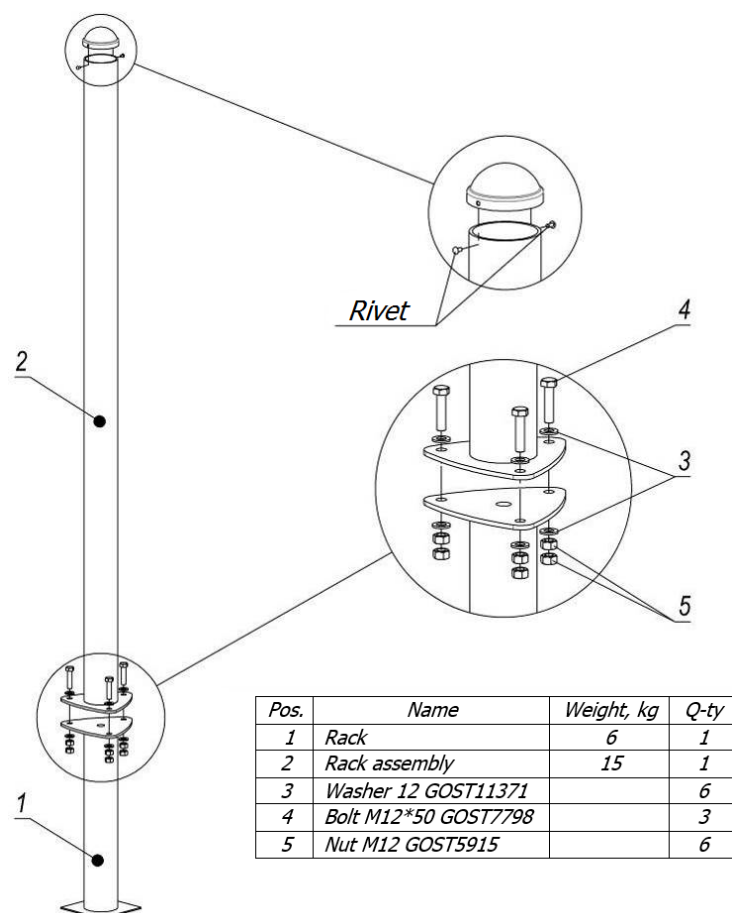


Assembly schemes

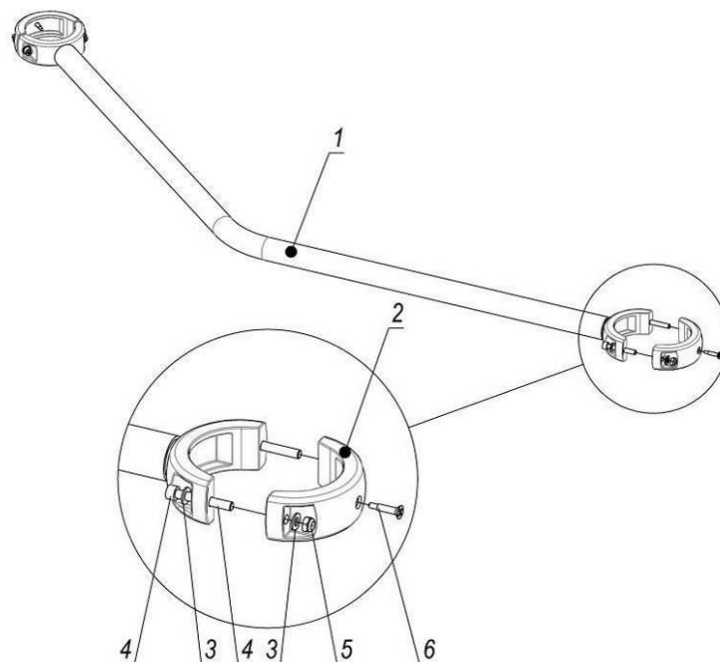
The fastening of other elements is identical to the assembly schemes shown in the pictures
Additionally assembly schemes see in the 'Appendix'



Picture 1 – Two types of clamp assemblies for complexes

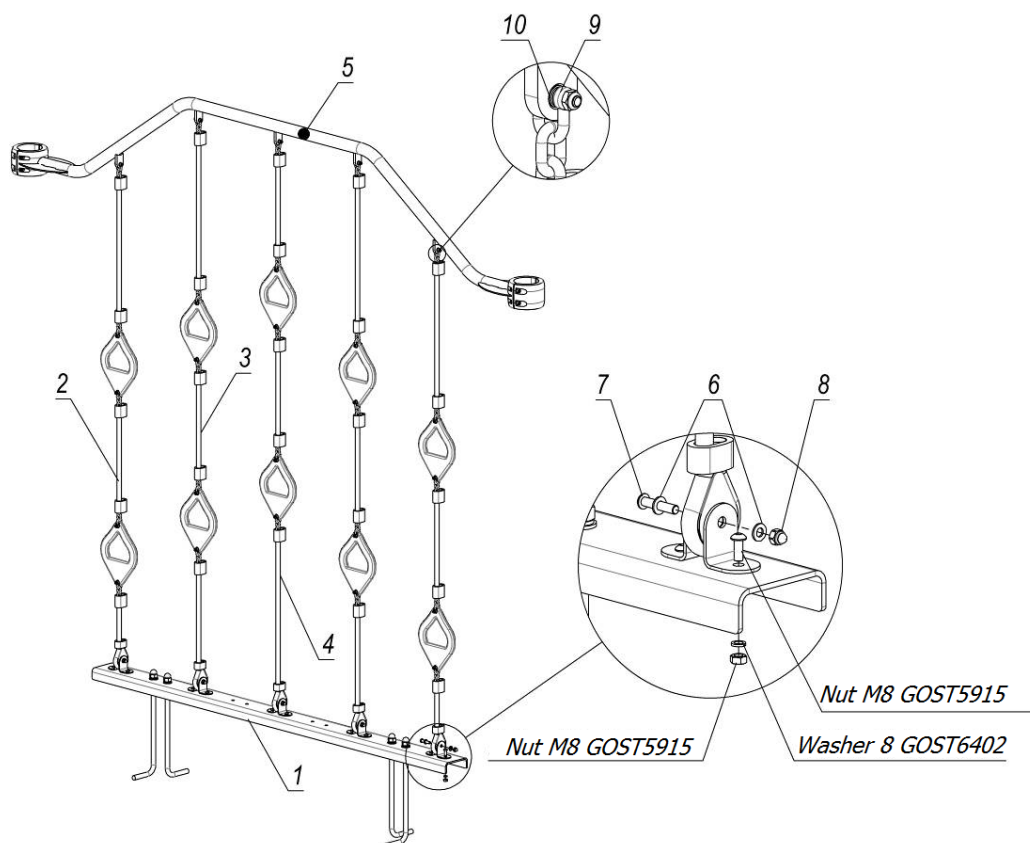


Picture 2 – Rack assembly scheme



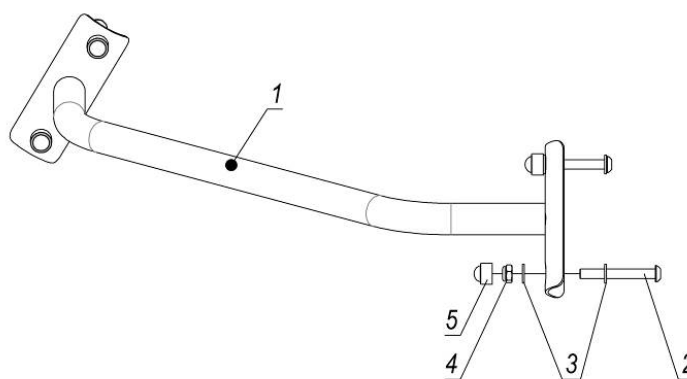
Pos.	Name	Weight, kg	Q-ty
1	Welded brace rod	5	1
2	Half-clamp D90-d8		2
3	Washer 8 GOST11371		8
4	Nut M8*55 GOST11738		4
5	Nut M8 DIN985		4
6	Screw with drill 6.3x32 DIN7504P		2

Picture 3 – Assembly scheme of brace rods



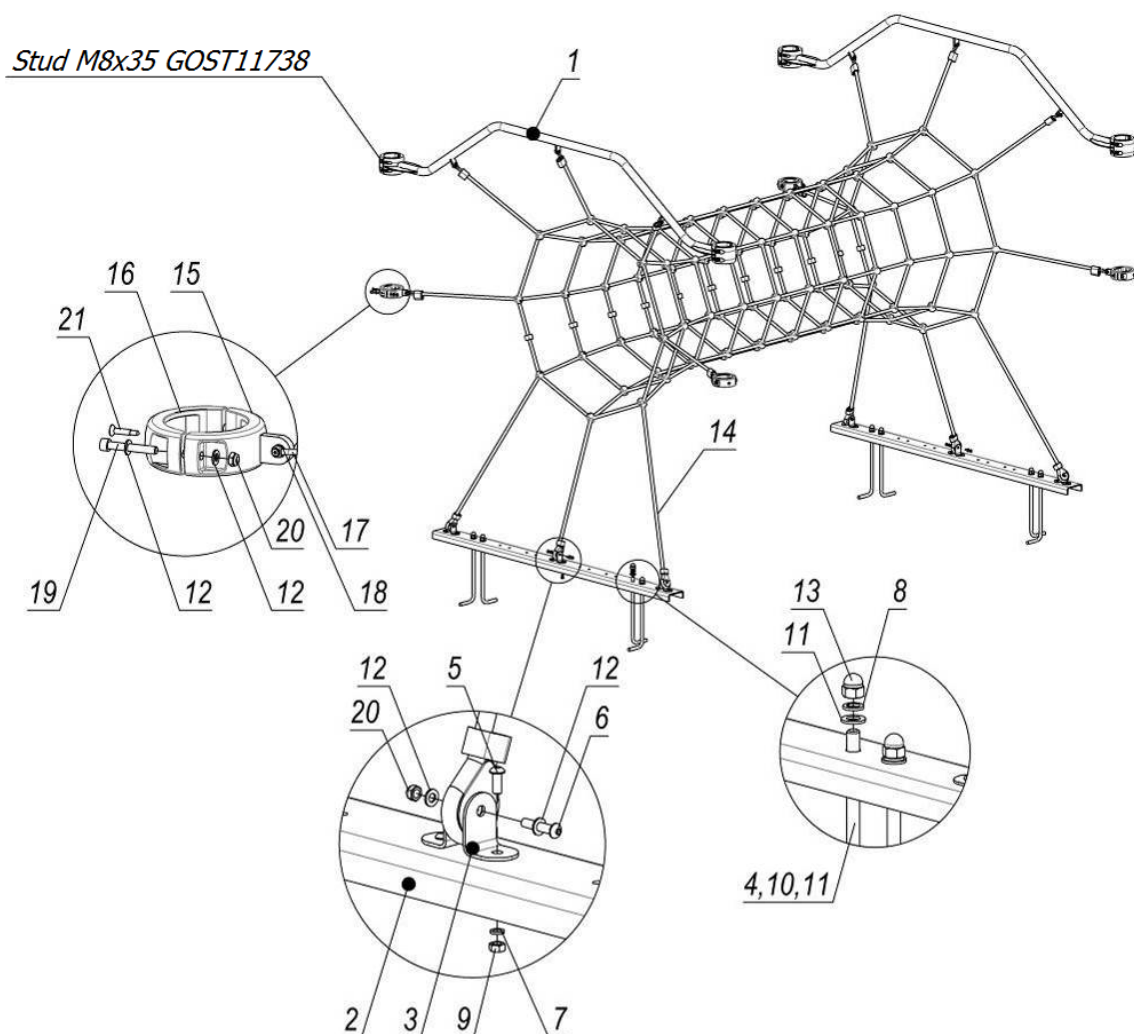
Pos.	Name	Weight, kg	Q-ty
1	Embedded element	16	1
2	Rope steps	2	2
3	Rope steps		2
4	Rope steps		1
5	Brace rod	16	1
6	Washer 8 GOST11371		10
7	Stud M8x40 ISO7380		5
8	Low-profile cap nut M8 DIN986		5
9	Tackle clamp M6, 12x18mm kbt 872.006.021.001		5
10	Bushing		5

Picture 4 – Assembly scheme of rope stairs



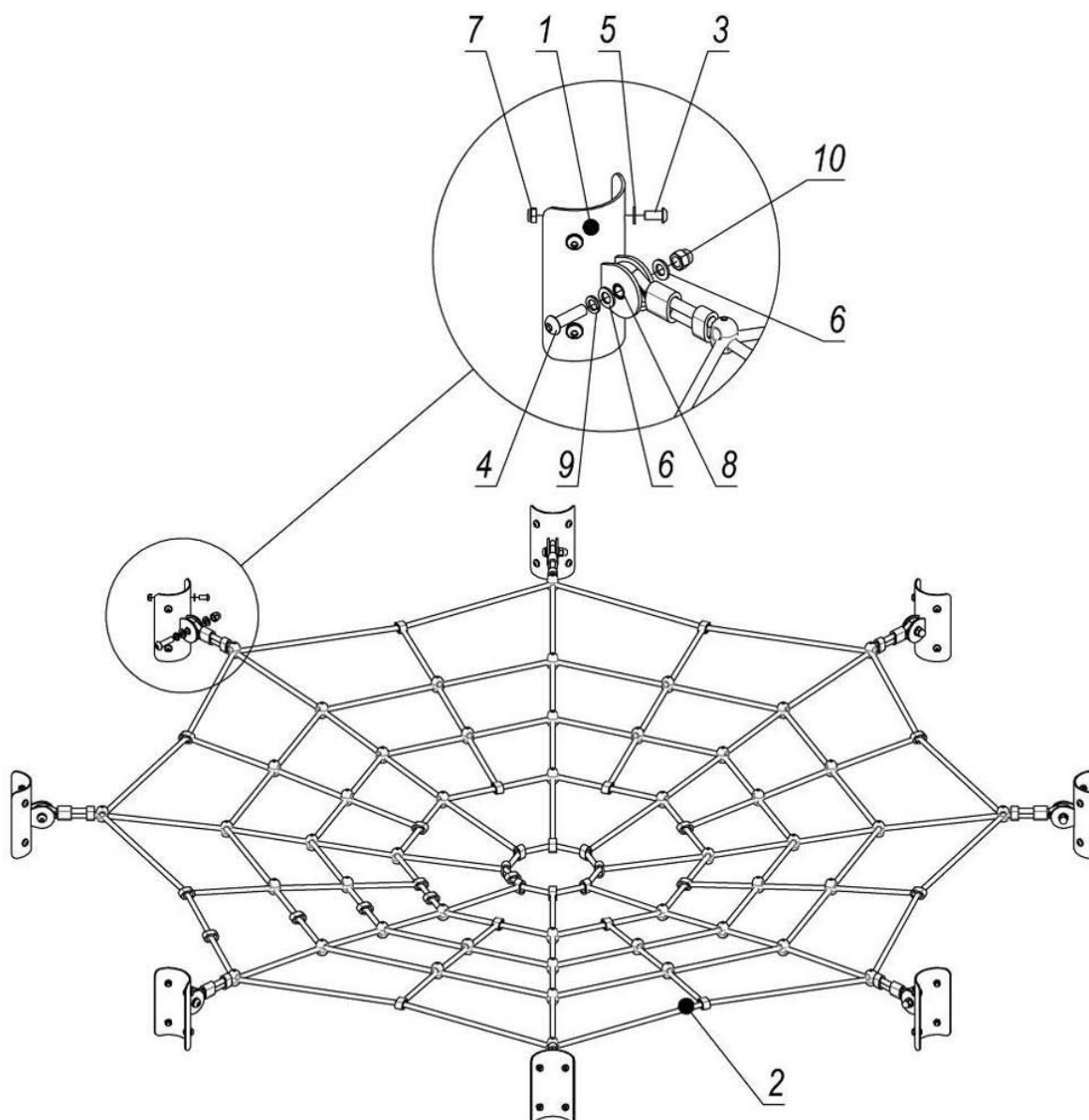
Pos.	Name	Weight, kg	Q-ty
1	Racks connector	2	1
2	Stud M10x80 ISO7380		4
3	Washer 10 GOST11371		8
4	Nut M10 DIN985		4
5	Cap 17		4

Picture 5 – Fastening scheme of racks connector



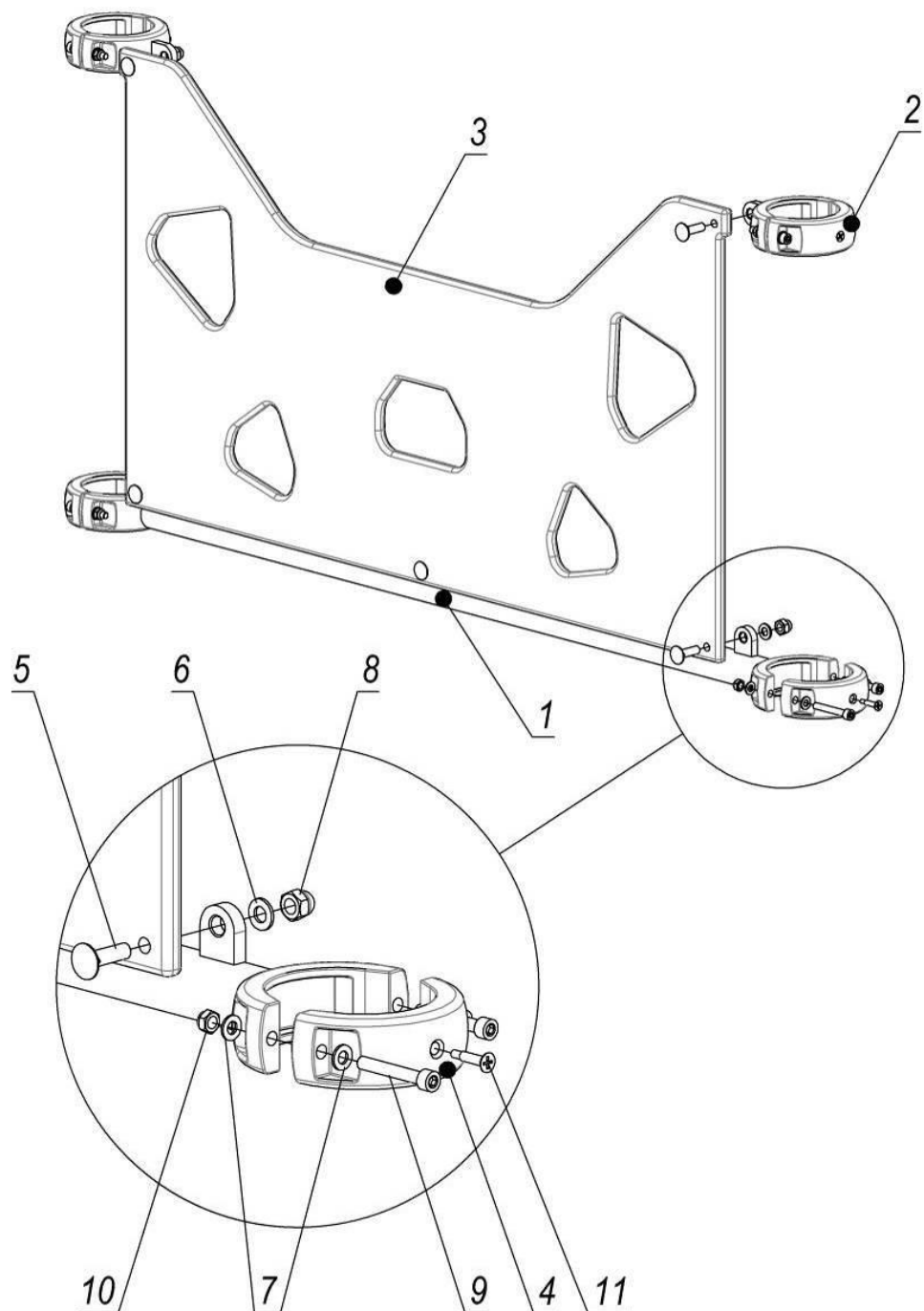
Pos.	Name	Weight, kg	Q-ty
1	Brace rod (module)	16	2
2	Channel	11	2
3	Angle		12
4	Anchor		8
5	Stud M8x20 ISO7380		12
6	Stud M8x40 ISO7380		6
7	Washer 8 DIN7980/GOST6402		12
8	Washer 16 DIN7980/GOST6402		8
9	Nut M8 GOST5915		12
10	Nut M16 GOST5915		8
11	Washer 16 GOST11371		16
12	Washer 8 GOST11371		28
13	Cap nut M16 DIN1587		8
14	Rope mesh	21	1
15	Half-clamp with adapter		4
16	Half-clamp D90-d8		4
17	Tackle clamp M6, 12x18mm kbt 872.006.021.001		10
18	Bushing		10
19	Stud M8*55 GOST11738		8
20	Nut M8 DIN985		14
21	Screw with drill 6.3x32 DIN7504P		4

Picture 6 – Assembly scheme of rope mesh



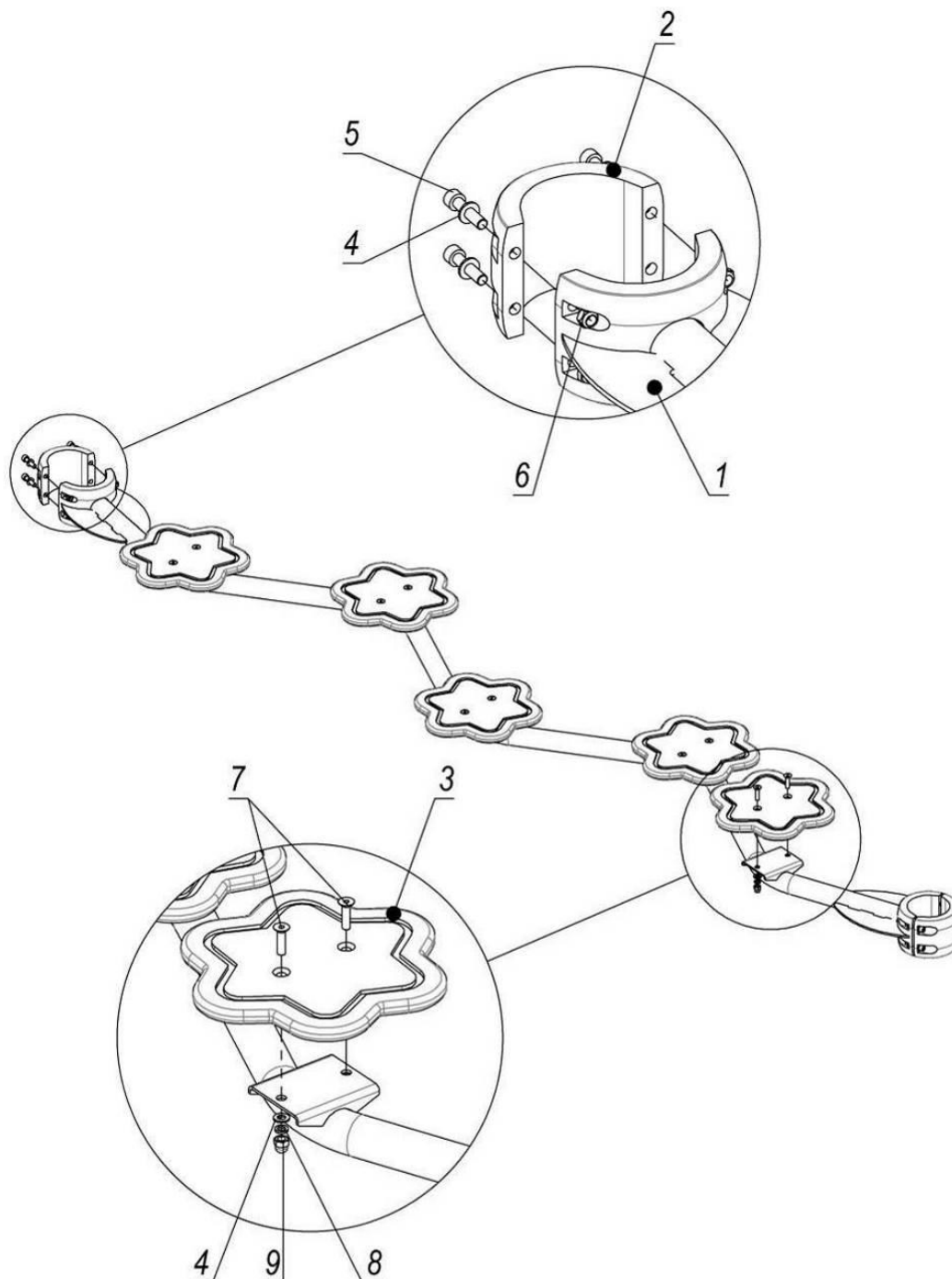
<i>Pos.</i>	<i>Name</i>	<i>Weight, kg</i>	<i>Q-ty</i>
1	Welded clamp	2	8
2	Rope mesh "Spider web"	16	1
3	Stud M12x25 ISO7380		32
4	Stud M16x60 ISO7380		8
5	Washer 12 GOST11371		32
6	Washer 16 GOST11371		16
7	Nut M12 DIN985		32
8	Bushing		8
9	Washer 16 DIN7980/GOST6402		8
10	Cap nut M16 DIN1587		8

Picture 7 – Assembly scheme of rope mesh «Spider webs»



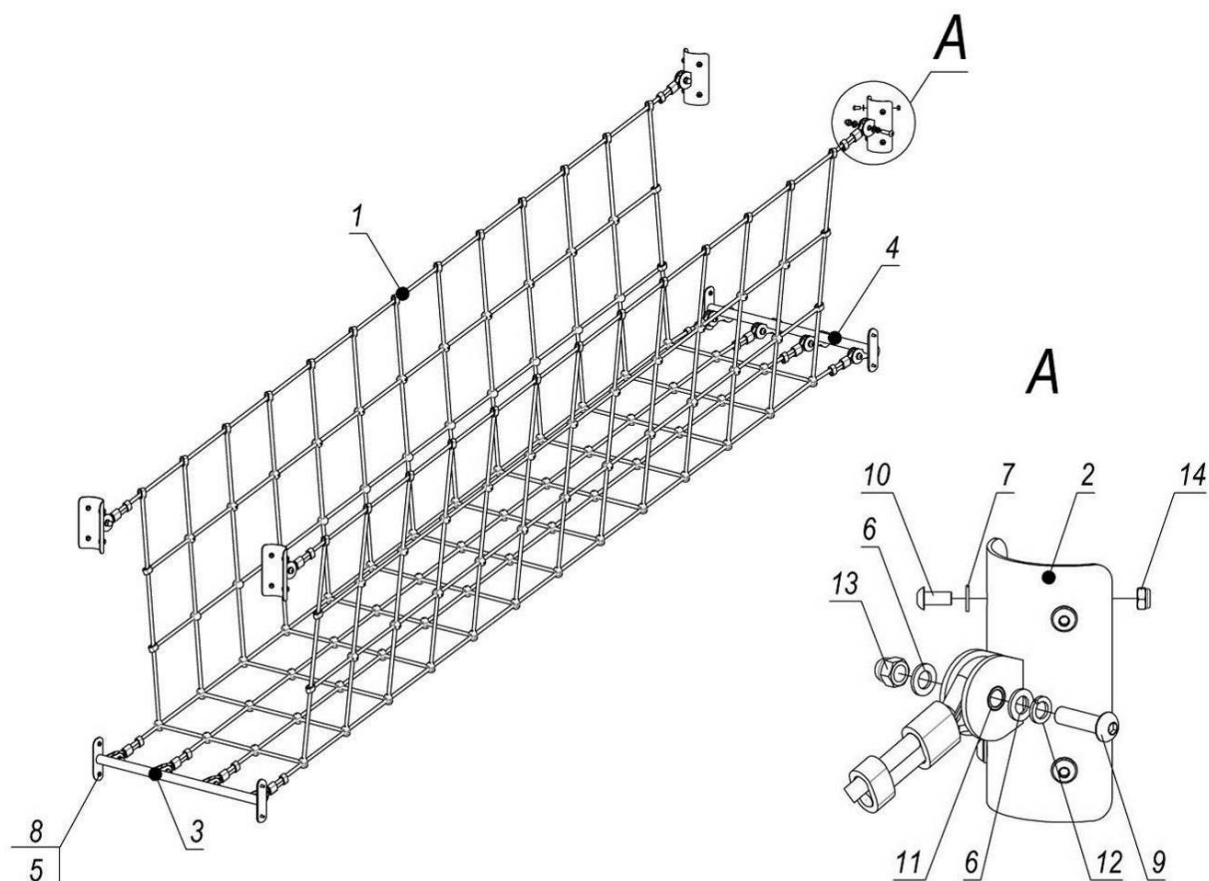
<i>Pos.</i>	<i>Name</i>	<i>Weight, kg</i>	<i>Q-ty</i>
1	Welded brace rod	5	1
2	Clamp assembly (module)		2
3	Panel "Rock climber"	6	1
4	Half-clamp D80-d8		2
5	Bolt M10*35 GOST7802		5
6	Washer 10 GOST11371		5
7	Washer 8 GOST11371		8
8	Cap nut M10 DIN1587		5
9	Stud M8*55 GOST11738		4
10	Nut M8 DIN985		4
11	Screw with drill 6.3x32 DIN7504P		2

Picture 8 – Assembly scheme of panel «Rock climber»



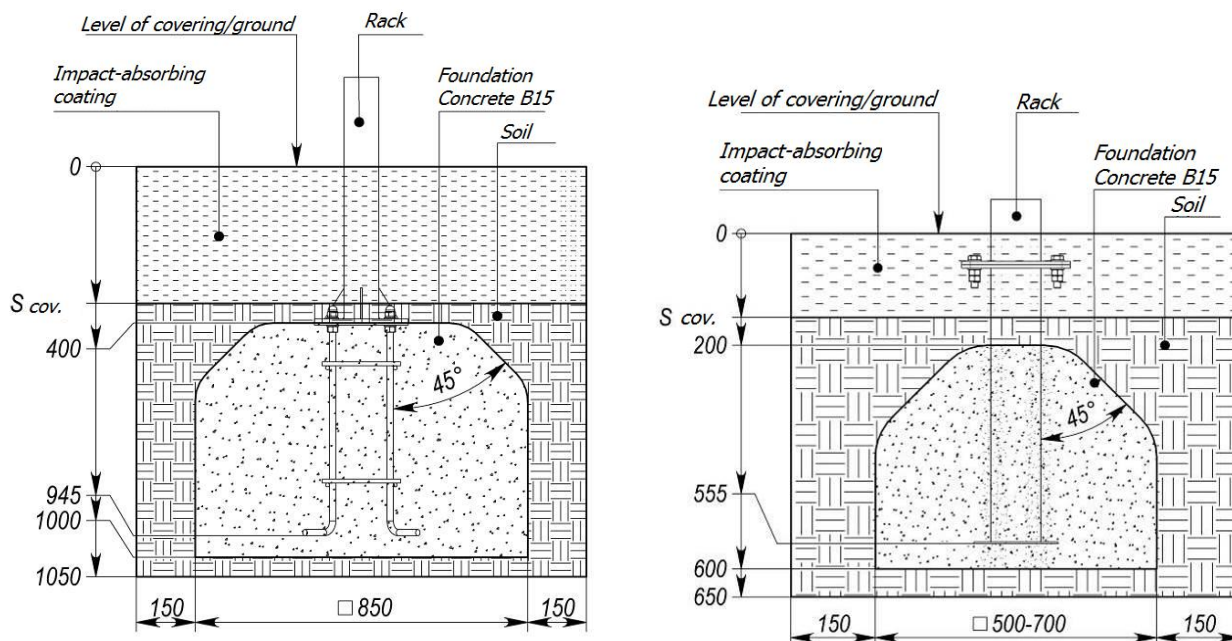
<i>Pos.</i>	<i>Name</i>	<i>Weight, kg</i>	<i>Q-ty</i>
1	Welded brace rod	13	1
2	Clamp		2
3	Flower		5
4	Washer 8 GOST11371		18
5	Stud M8*35 GOST11738		8
6	Nut M8 DIN985		8
7	Stud M8x30 DIN7991		10
8	Washer 8 DIN7980/GOST6402		10
9	Cap nut M8 DIN1587		10

Picture 9 – Assembly scheme of brace rod with flower



Pos.	Name	Weight, kg	Q-ty
1	Rope mesh	28	1
2	Welded clamp	2	4
3	Welded brace rod	5	1
4	Welded brace rod	7	1
5	Washer 10 GOST11371		8
6	Washer 16 GOST11371		32
7	Washer 12 GOST11371		16
8	Stud M10x25 ISO7380		8
9	Stud M16x60 ISO7380		16
10	Stud M12x25 ISO7380		16
11	Bushing		16
12	Washer 16 DIN7980/GOST6402		16
13	Cap nut M16 DIN1587		16
14	Nut M12 DIN985		16

Picture 10 – Assembly scheme of rope mesh



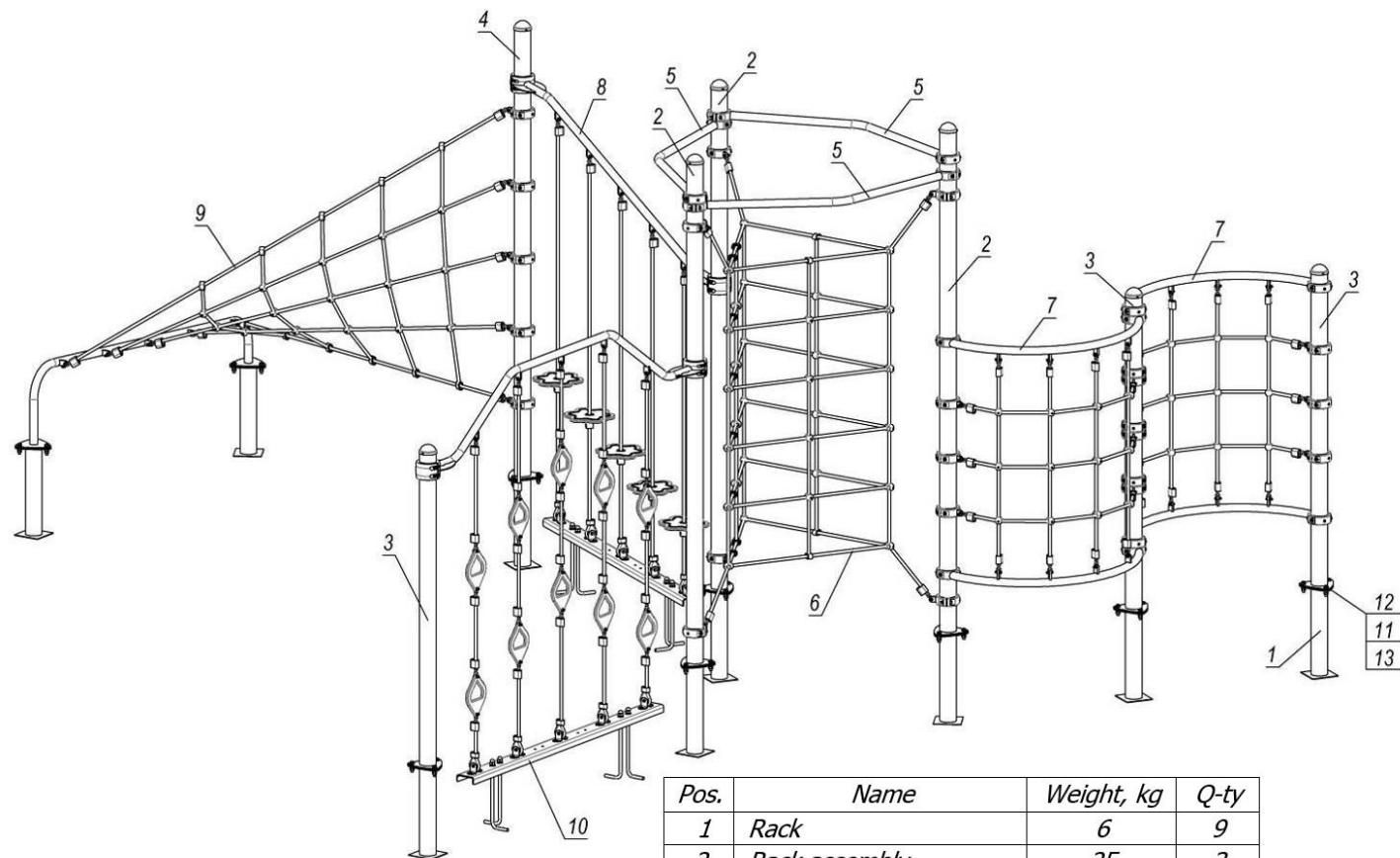
For beam supports and other elements

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
Another material	HIC tested according to EN1177	According to the test	According to the test
1. Materials specially prepared for playgrounds. 2. There should not be any clay inclusions. The grain size is obtained by sieving through a sieve as in EN933-1.			

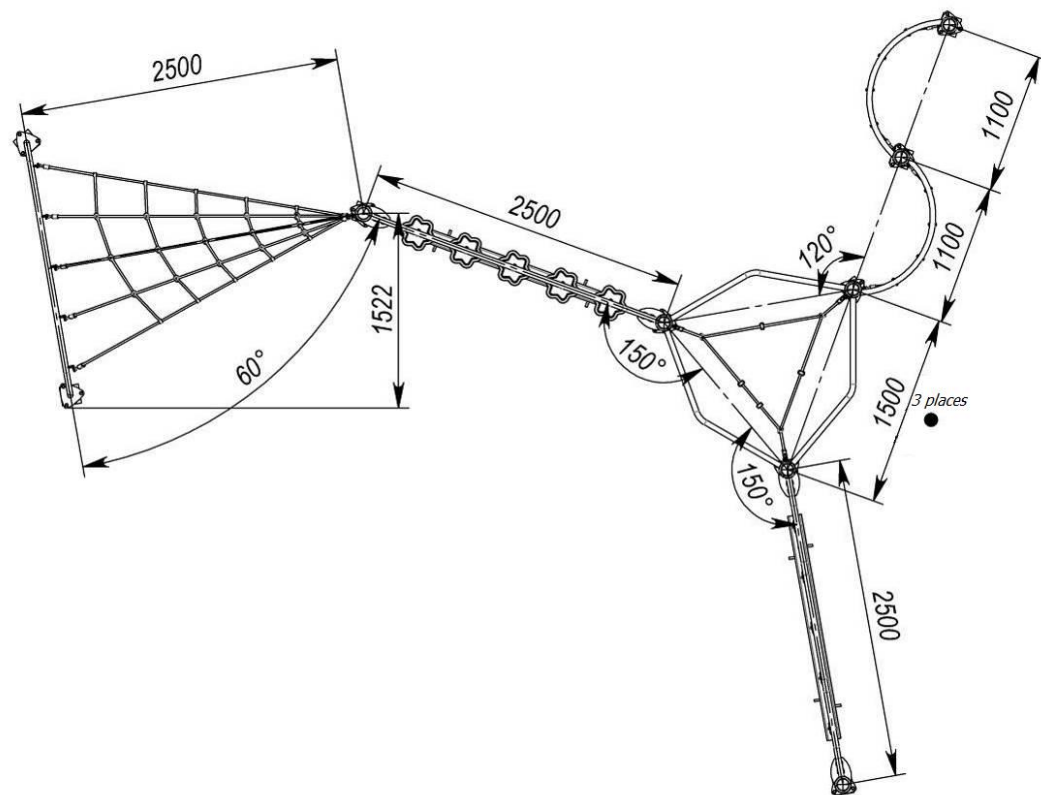
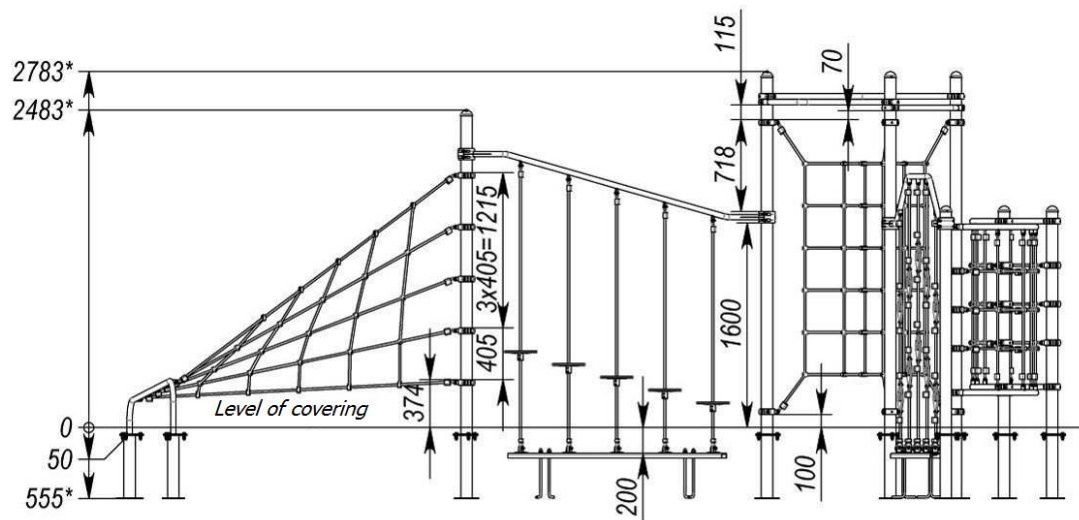
Picture 11 – Concreting scheme

Appendix

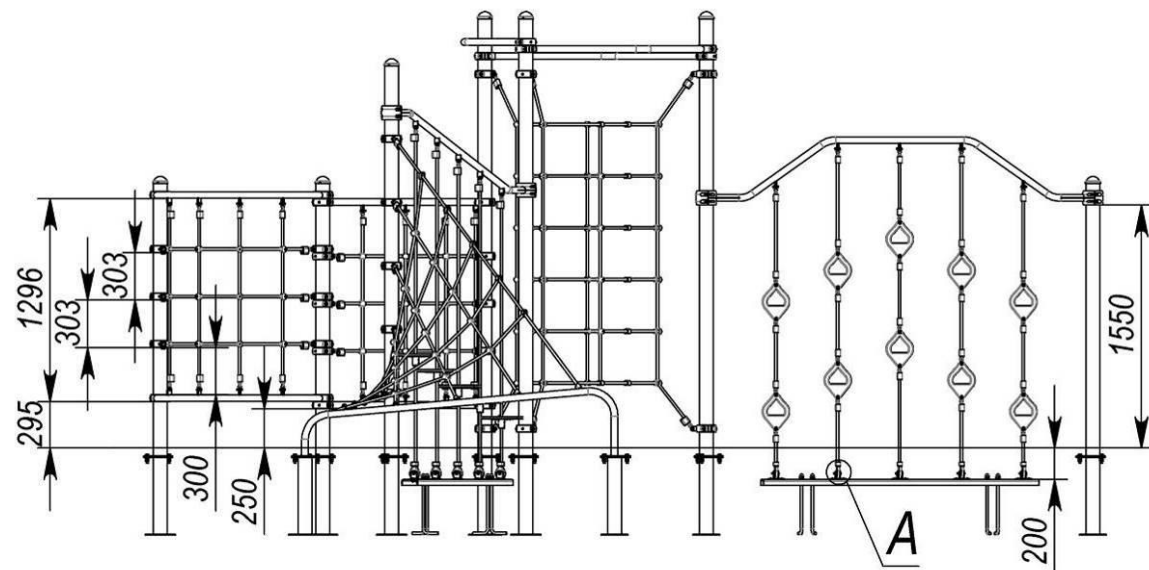


Pos.	Name	Weight, kg	Q-ty
1	Rack	6	9
2	Rack assembly	25	3
3	Rack assembly	16	3
4	Rack assembly	22	1
5	Brace rod	7	3
6	Mesh with half-clamp	20	1
7	Arch mesh	29	2
8	Rope with flower	46	1
9	Mesh with nap	25	1
10	Rope stairs	42	1
11	Washer 12 GOST11371		54
12	Bolt M12*50 GOST7798		27
13	Nut M12 GOST5915		54

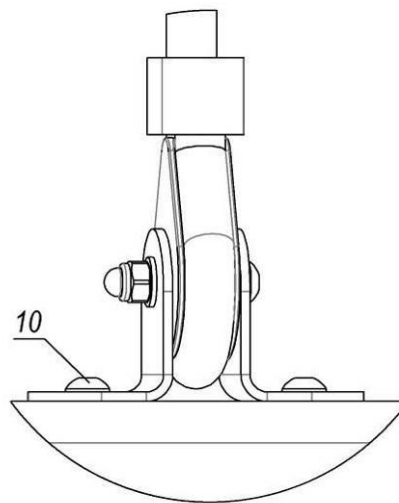
Picture 12 – LK801 (view 1)



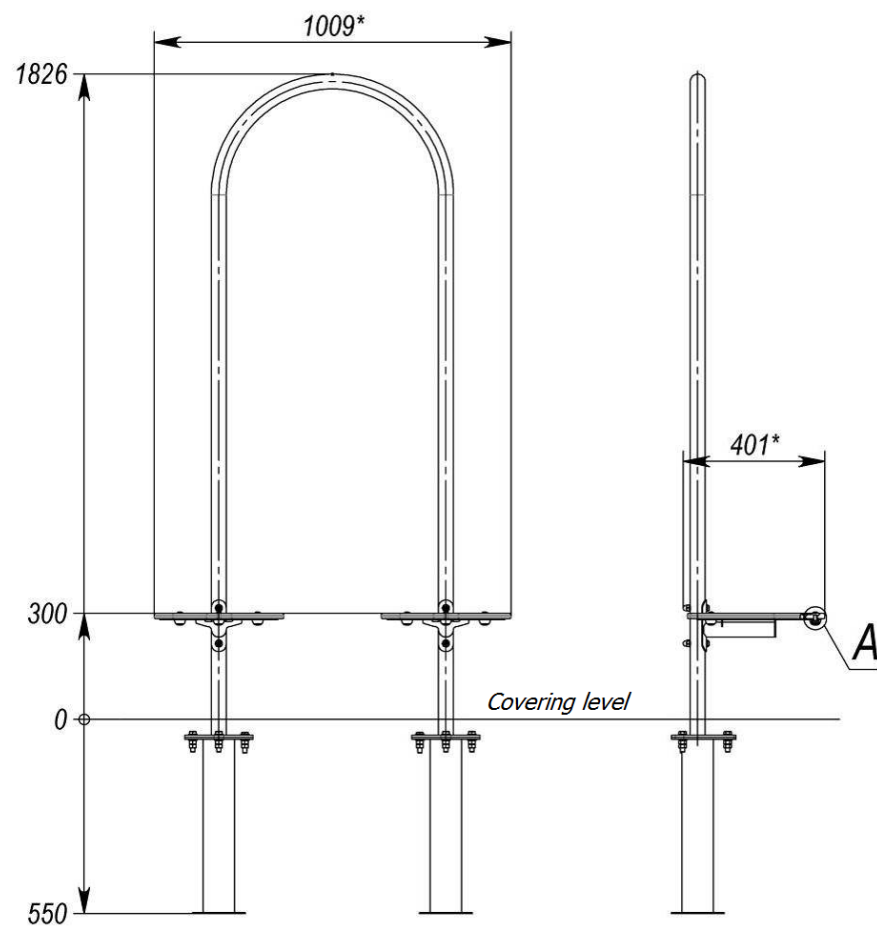
Picture 13 – LK801 (view 2)



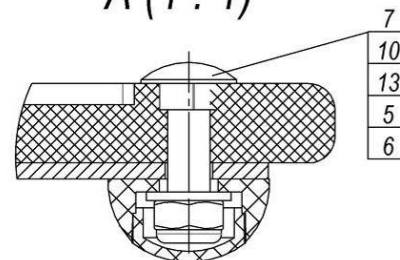
A (1 : 2)



Picture 14 – LK801 (view 3)



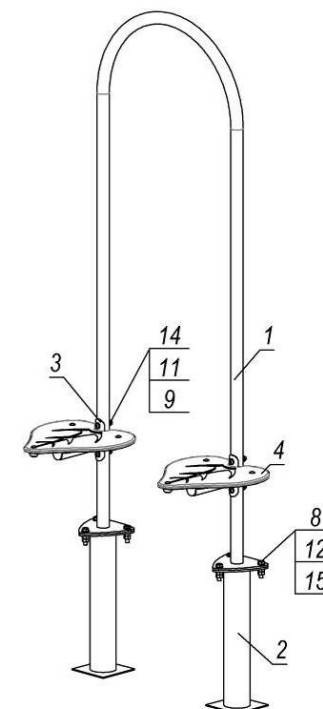
A (1 : 1)



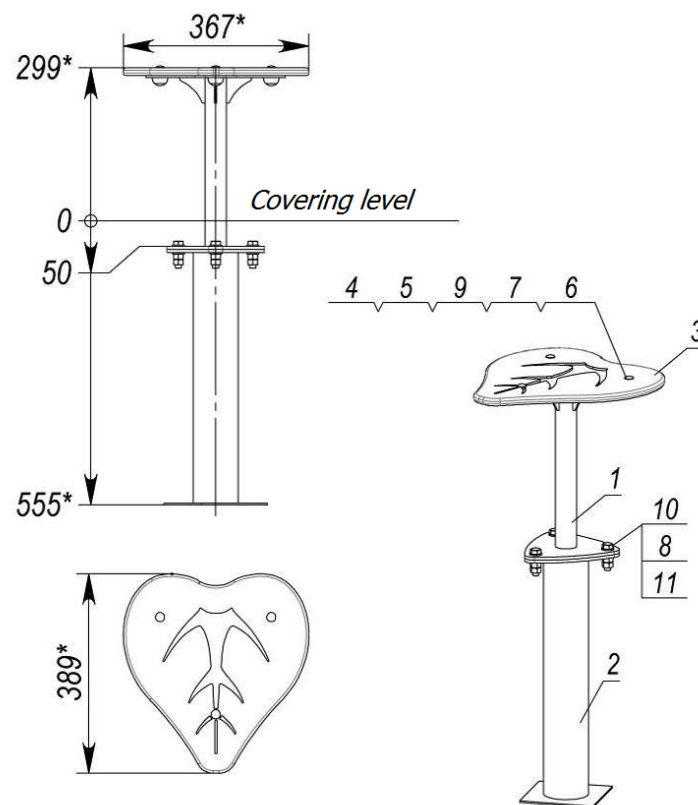
9

Put medium-strength threadlocker (blue) on pos.

Pos.	Name	Weight, kg	Q-ty
1	Welded arch	13	1
2	Rack	6	2
3	Welded plate	3	2
4	Leaf	1	2
5	Cup M8		6
6	Cap M8		6
7	Bolt M8*30 GOST7802		6
8	Bolt M12*50 GOST7798		6
9	Stud M10x60 ISO7380		4
10	Washer 8 GOST11371		6
11	Washer 10 GOST11371		8
12	Washer 12 GOST11371		12
13	Nut M8 DIN985		6
14	Cap nut M10 DIN1587		4
15	Nut M12 GOST5915		12

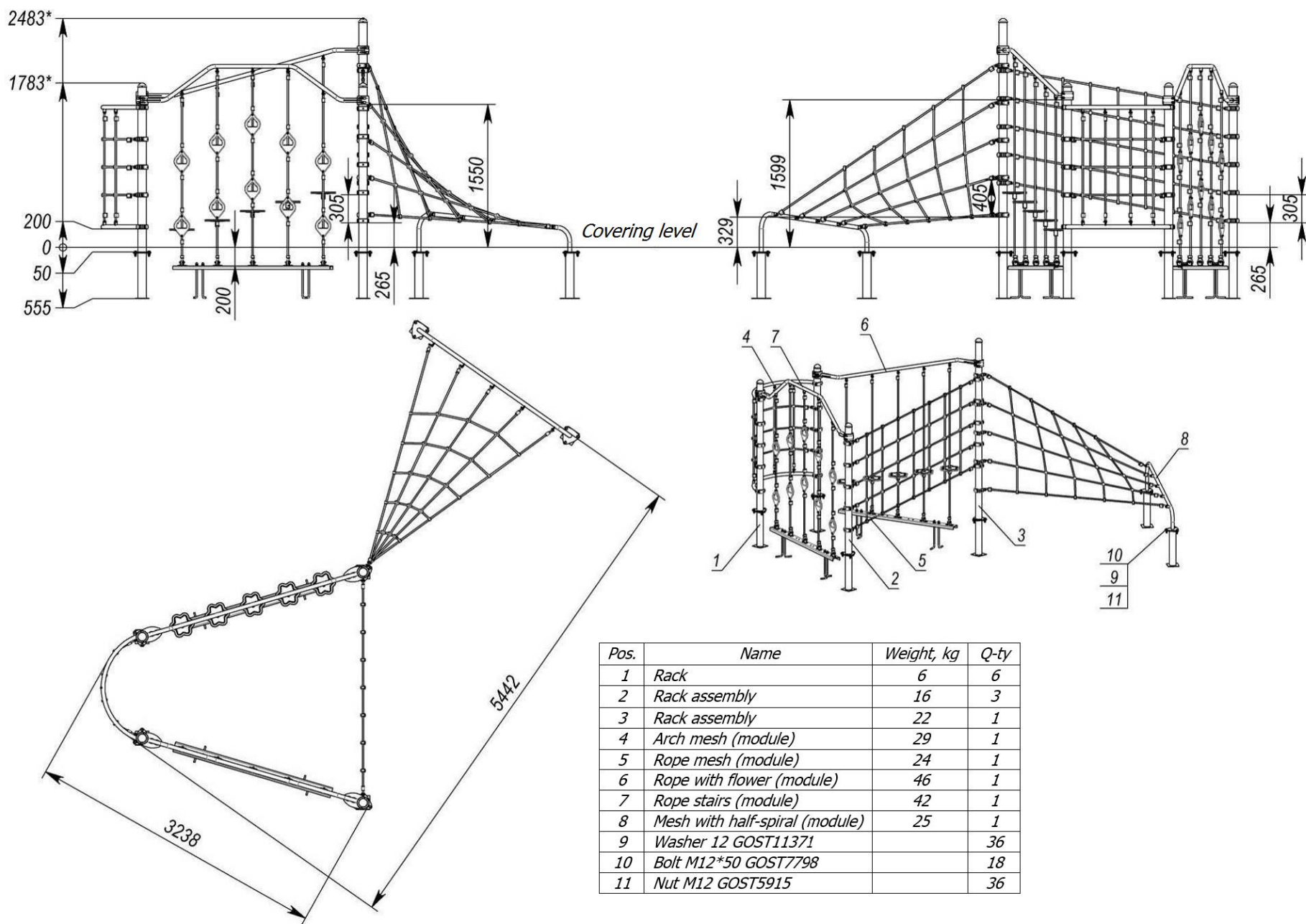


Picture 15 – LK802

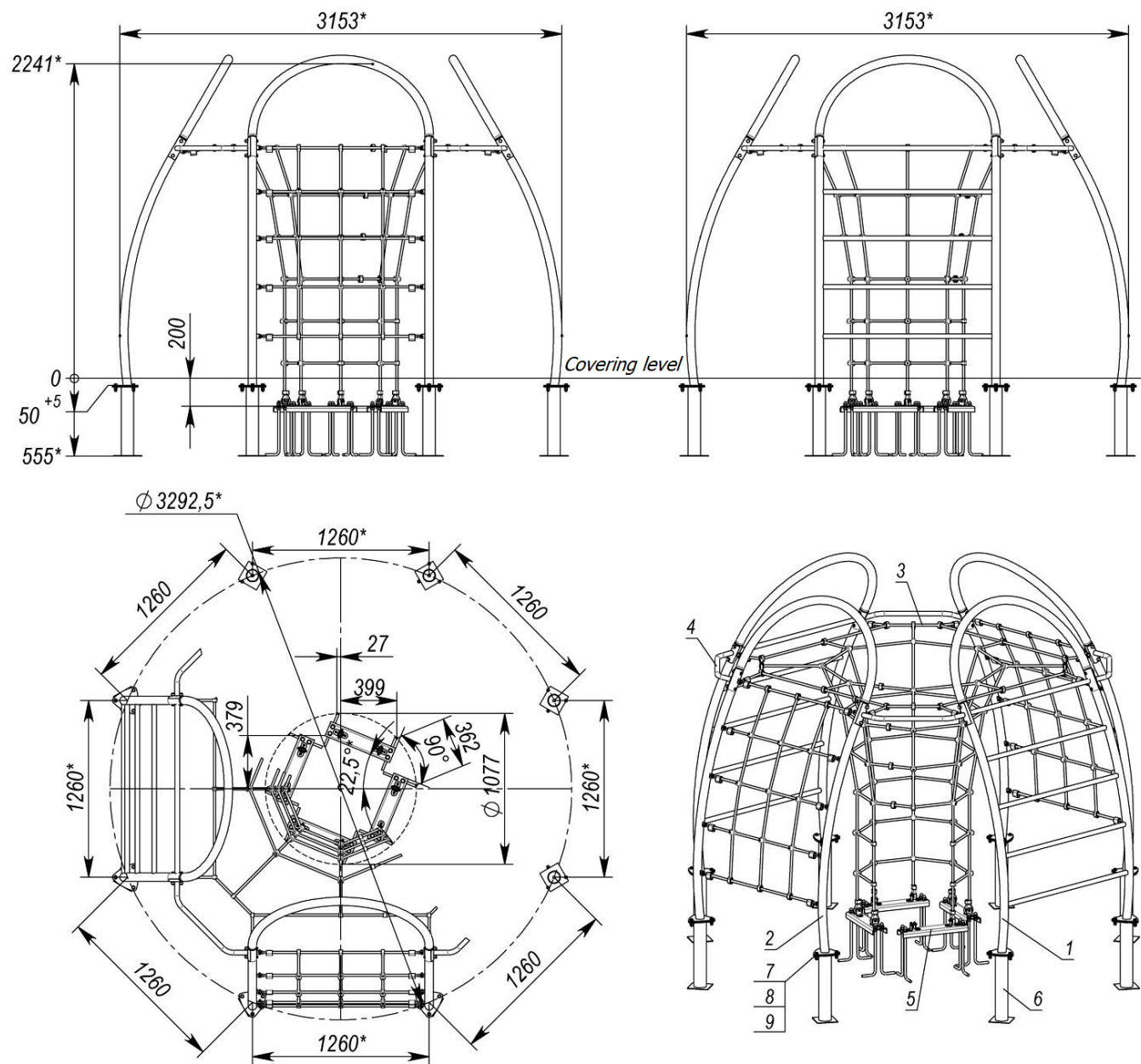


Pos.	Name	Weight, kg	Q-ty
1	Welded frame	4	1
2	Rack	6	1
3	Leaf	1	1
4	Cap M8		3
5	Cup M8		3
6	Bolt M8*30 GOST7802		3
7	Washer 8 GOST11371		3
8	Washer 12 GOST11371		6
9	Nut M8 DIN985		3
10	Bolt M12*45 GOST7798		3
11	Nut M12 GOST5915		6

Picture 16 – LK802.1

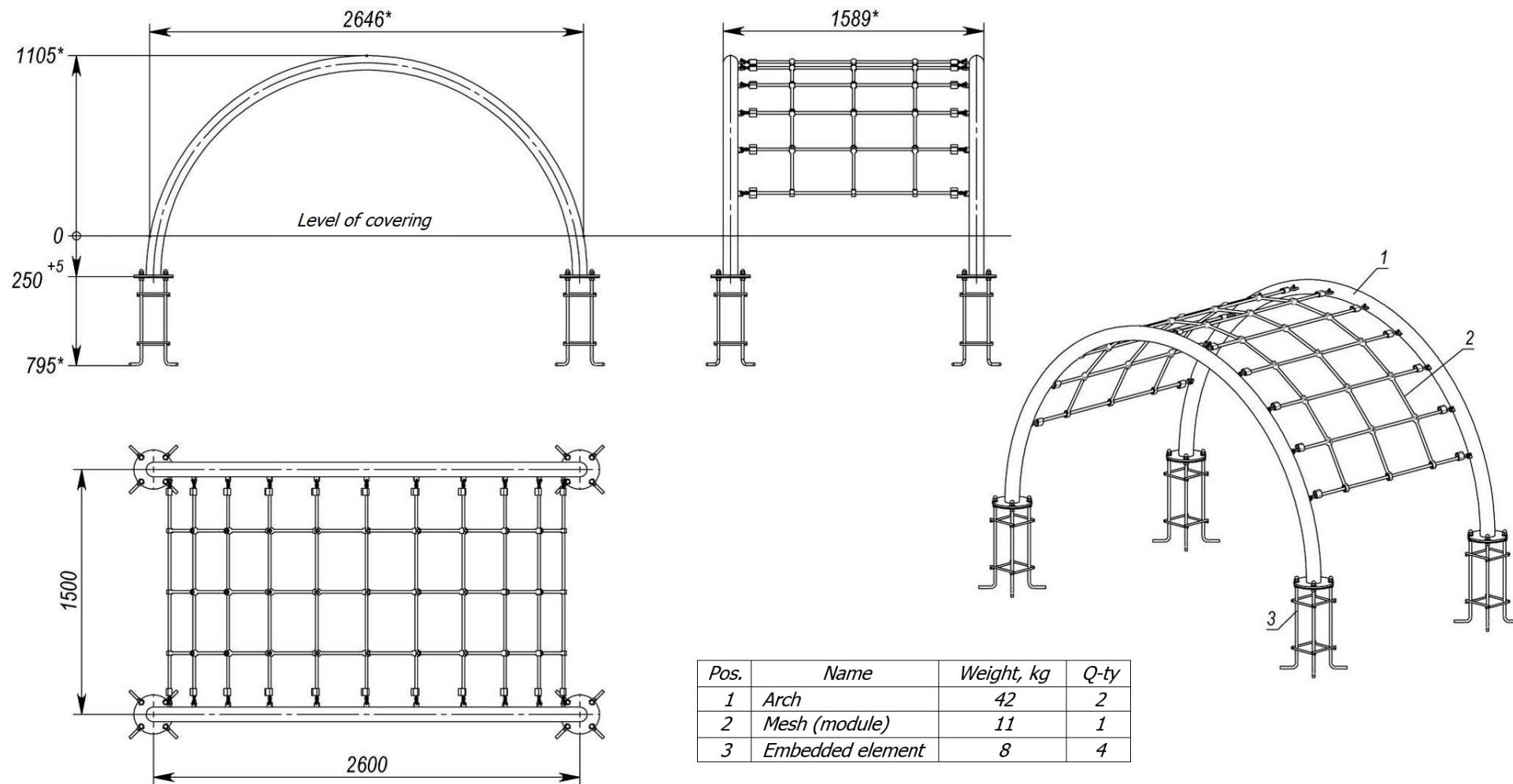


Picture 17 – LK805

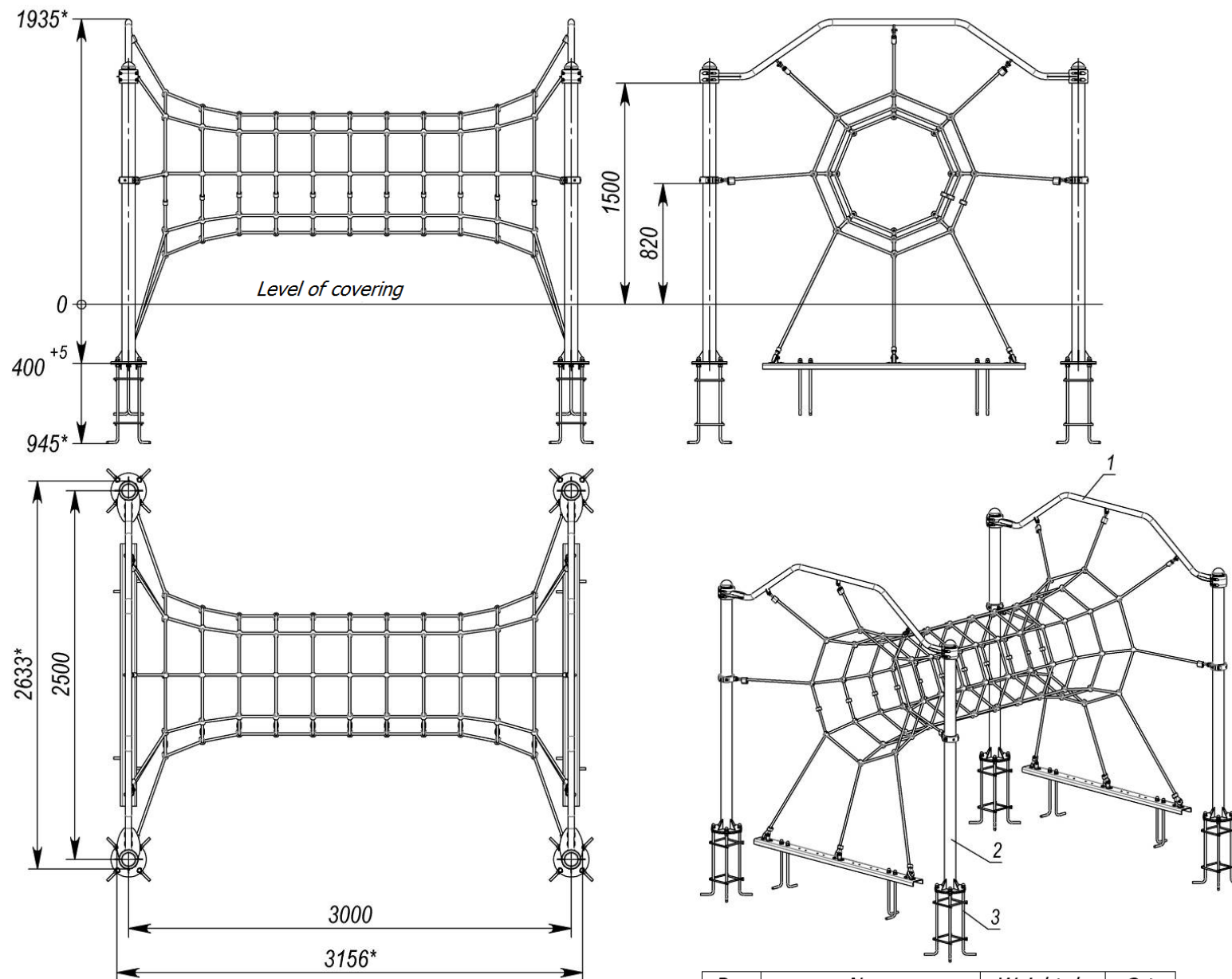


Pos.	Name	Weight, kg	Q-ty
1	Rack	40	2
2	Rack (module)	32	2
3	Rope assembly (module)	15	1
4	Racks connector (module)	3	4
5	Embedded element	7	4
6	Rack	6	8
7	Bolt M12*45 GOST7798		24
8	Washer 12 GOST11371		48
9	Nut M12 GOST5915		48

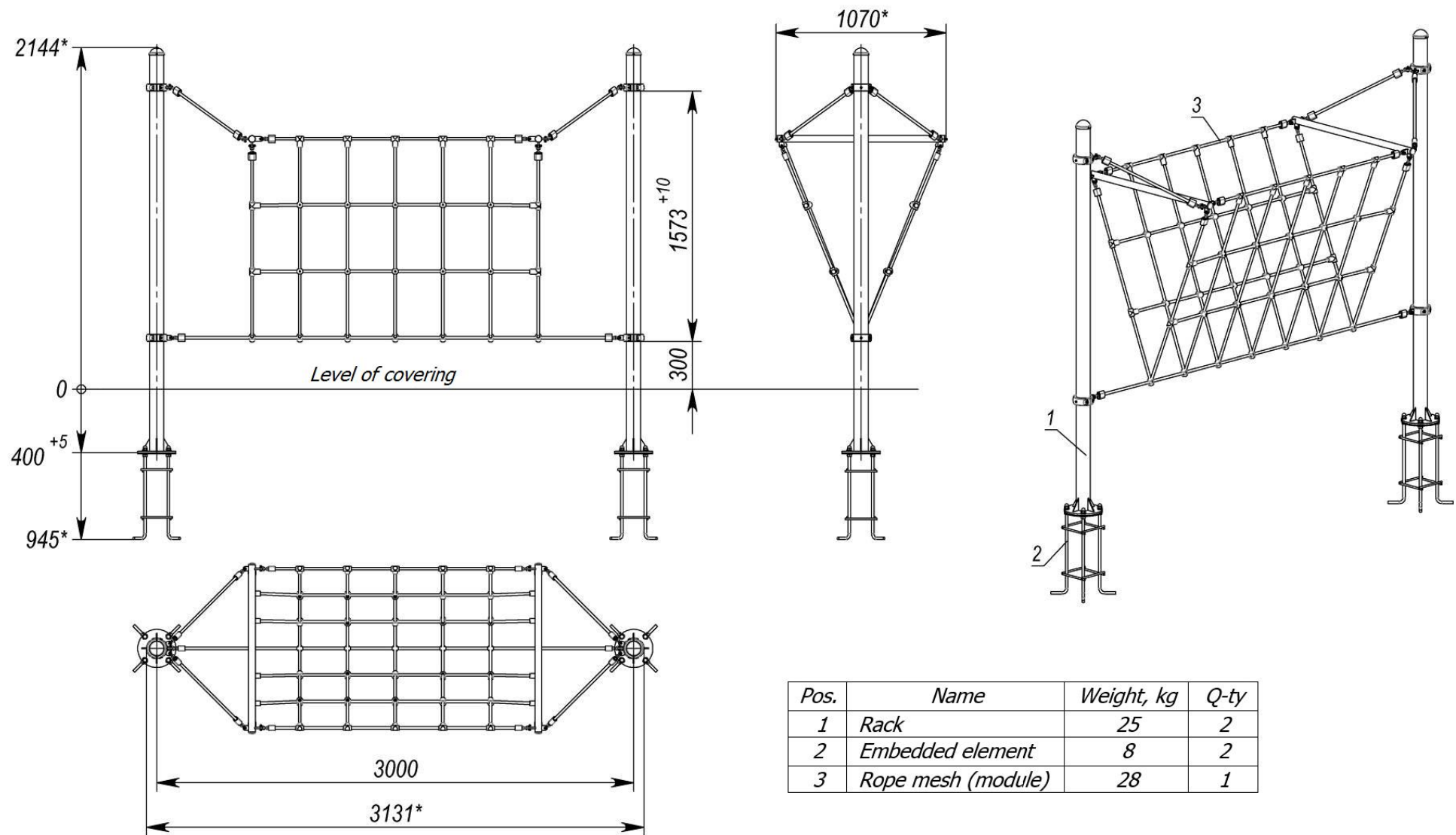
Picture 18 – LK806



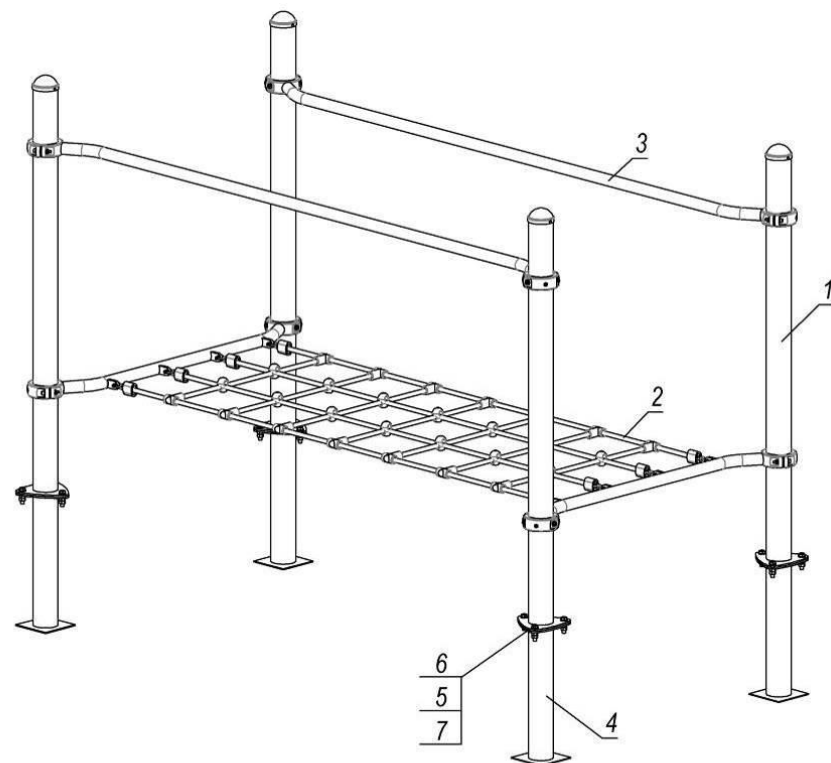
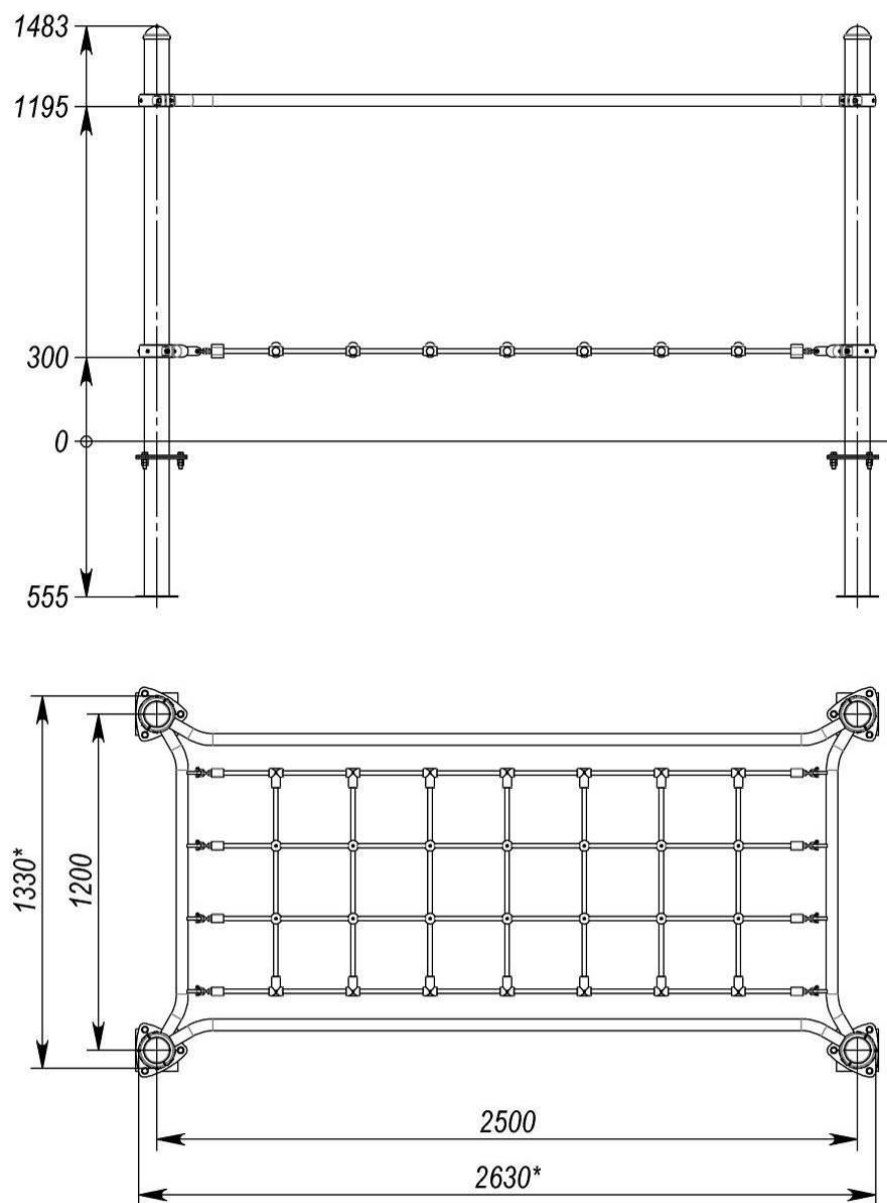
Picture 19 – LK807



Picture 20 – LK810

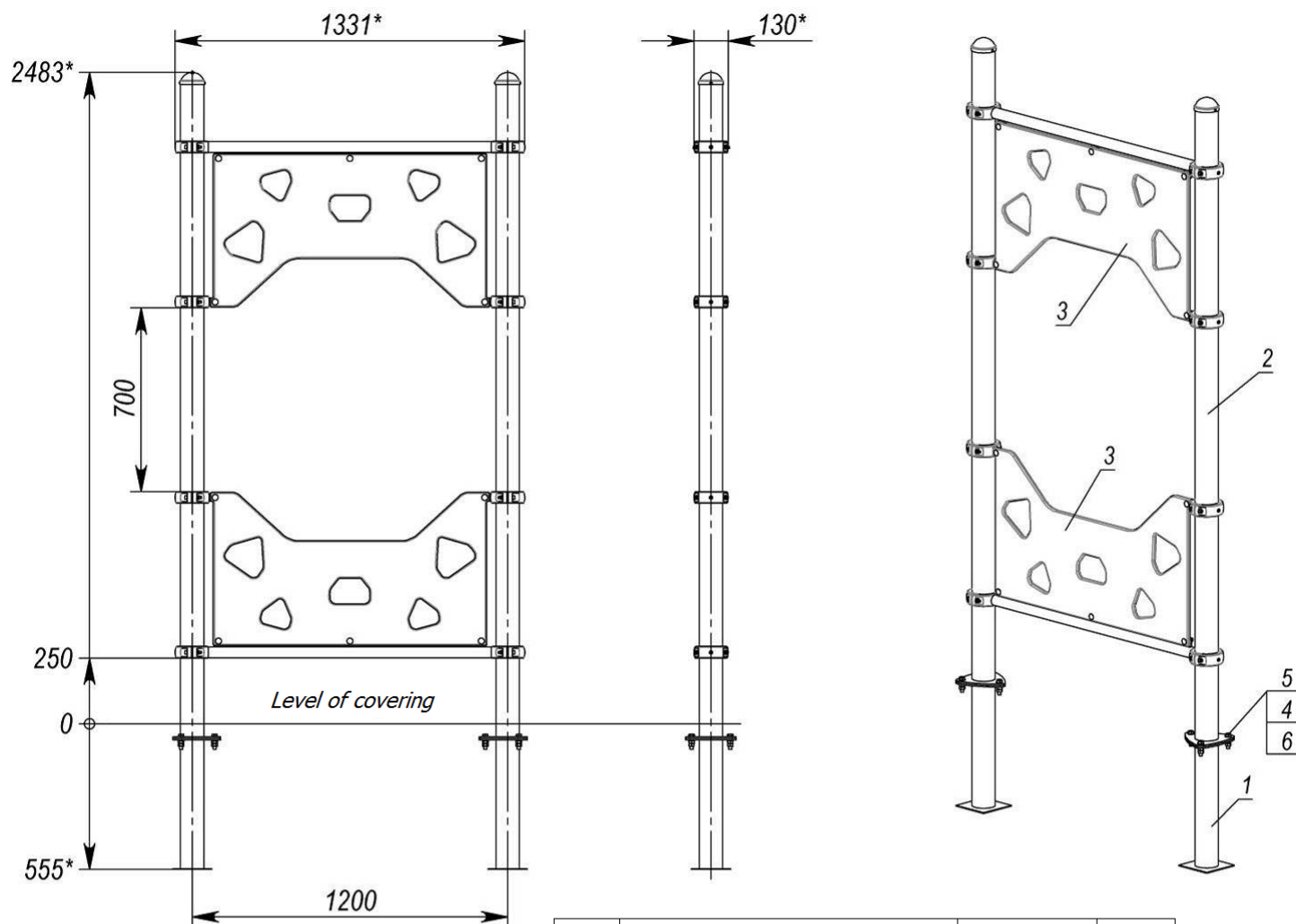


Picture 21 – LK811



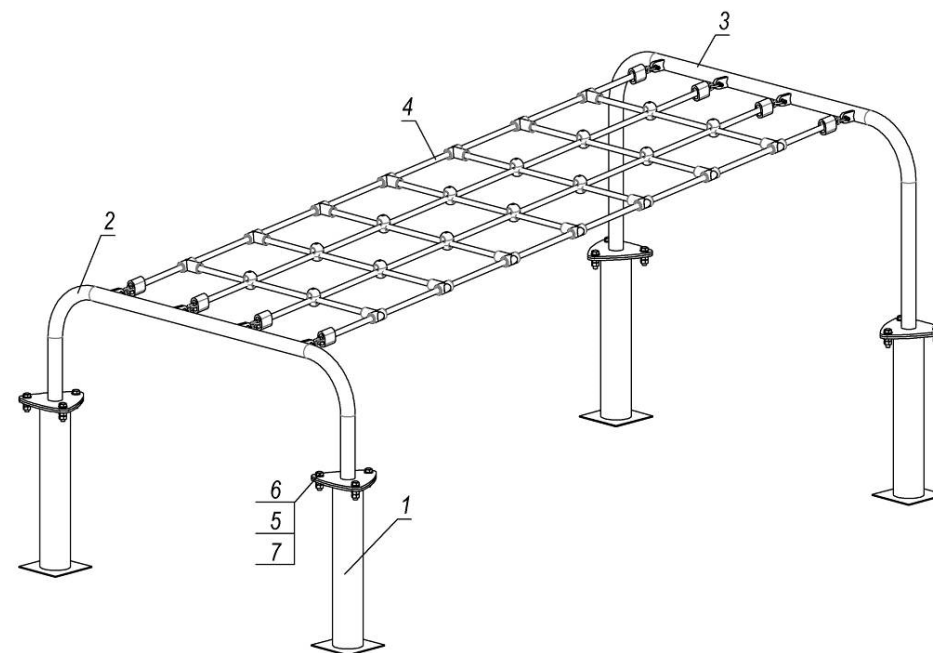
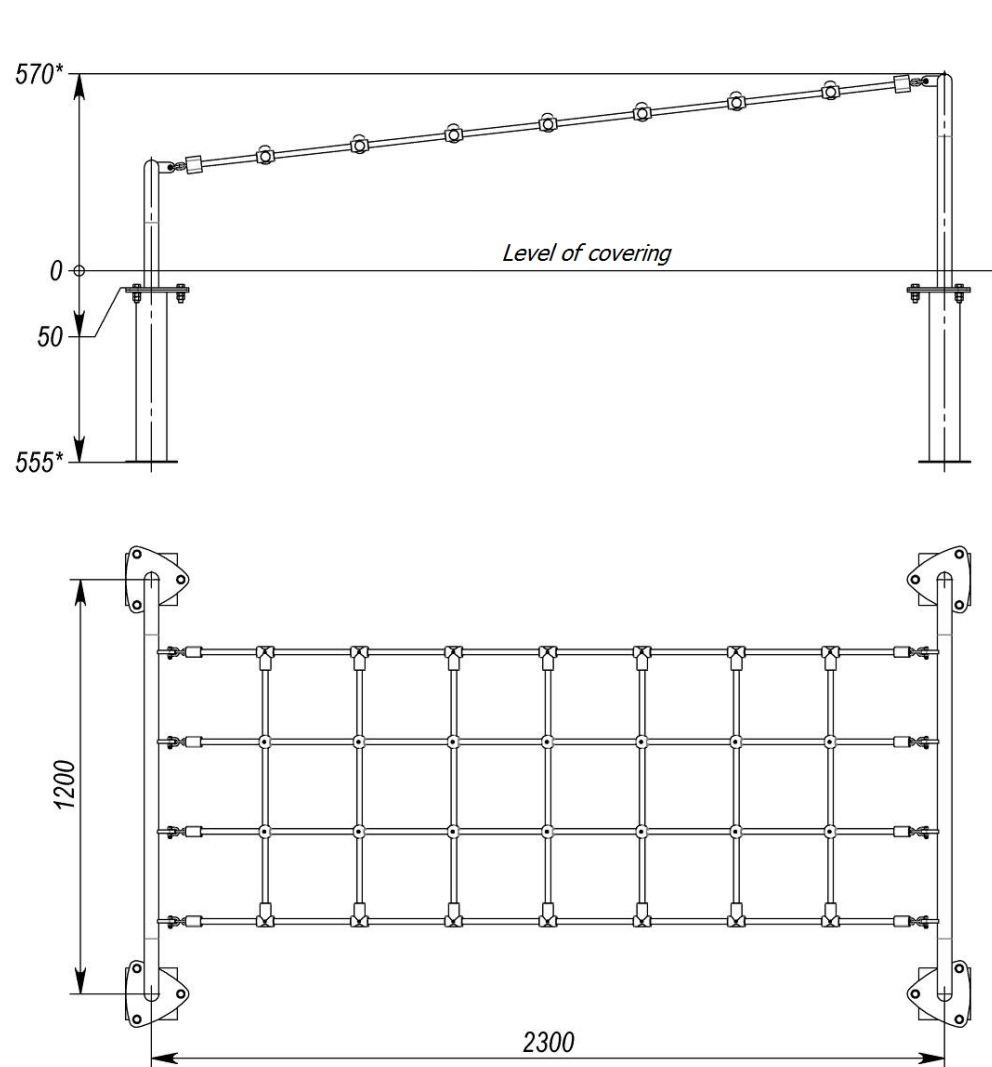
Pos.	Name	Weight, kg	Q-ty
1	Rack assembly	14	4
2	Rope mesh (module)	20	1
3	Brace rod	10	2
4	Rack	6	4
5	Washer 12 GOST711371		24
6	Bolt M12*50 GOST7798		12
7	Nut M12 GOST5915		24

Picture 22 – LK812



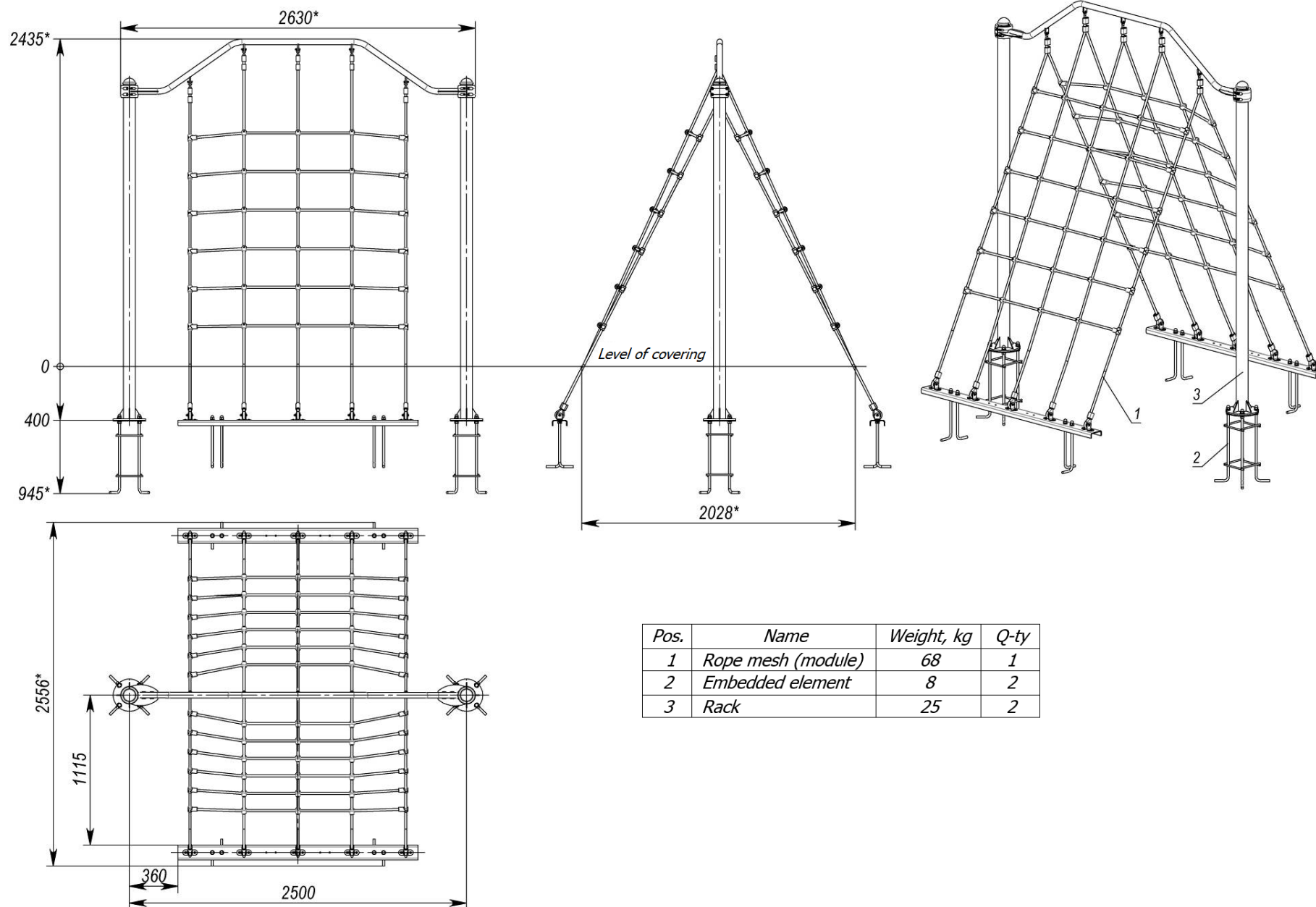
Pos.	Name	Weight, kg	Q-ty
1	Rack	6	2
2	Rack assembly	22	2
3	Panel "Rock climber" assembly (module)	16	2
4	Washer 12 GOST11371		12
5	Bolt M12*50 GOST7798		6
6	Nut M12 GOST5915		12

Picture 23 – LK813

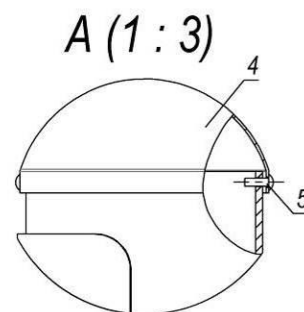
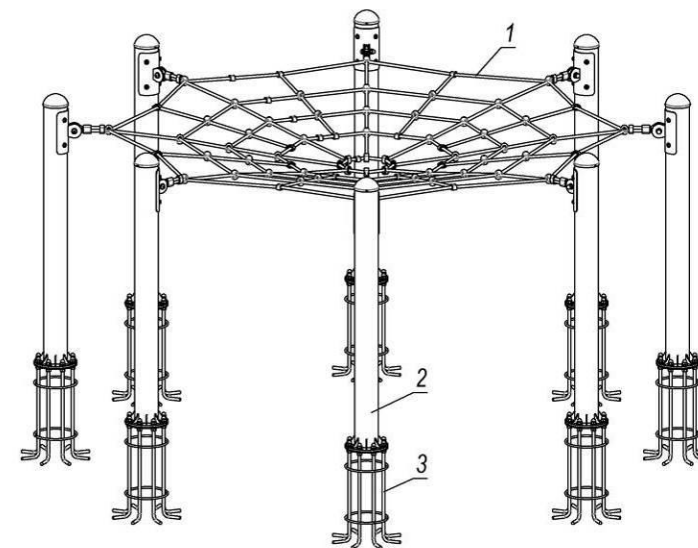
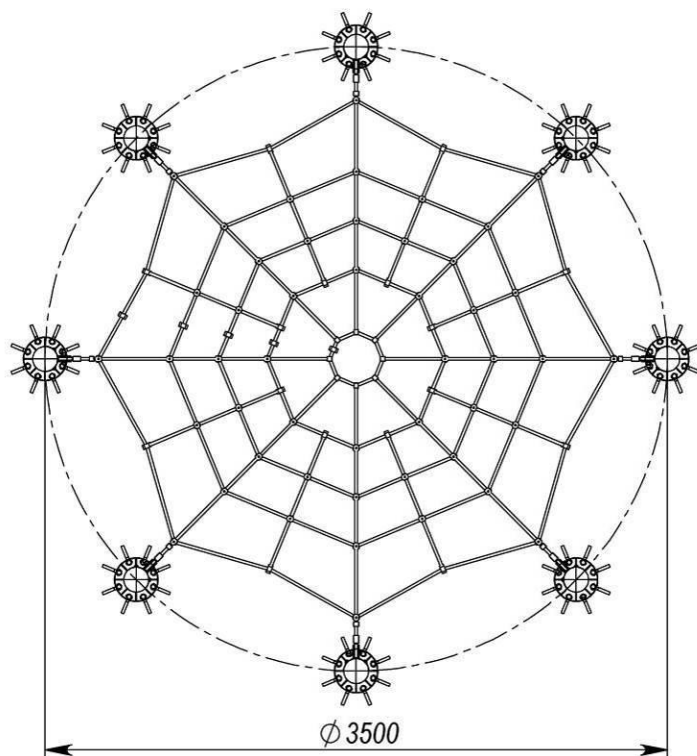
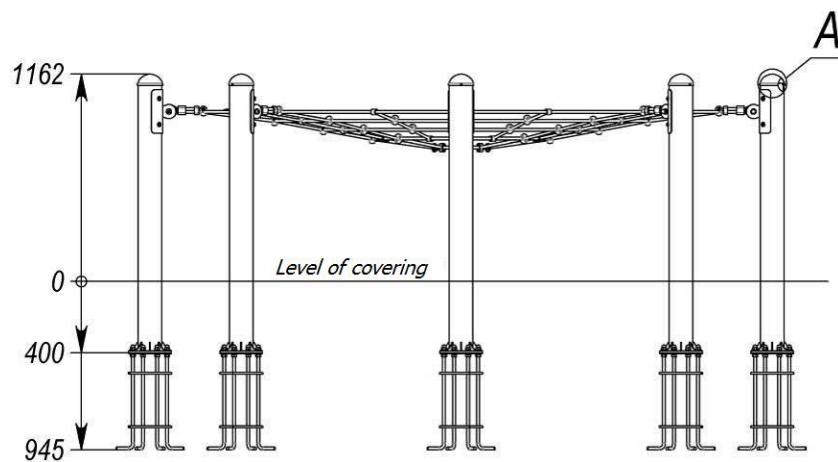


Pos.	Name	Weight, kg	Q-ty
1	Rack	6	4
2	Gangway base	7	1
3	Gangway base	9	1
4	Rope mesh (module)	7	1
5	Washer 12 GOST7798		24
6	Bolt M12*45 GOST7798		12
7	Nut M12 GOST5915		24

Picture 24 – LK814

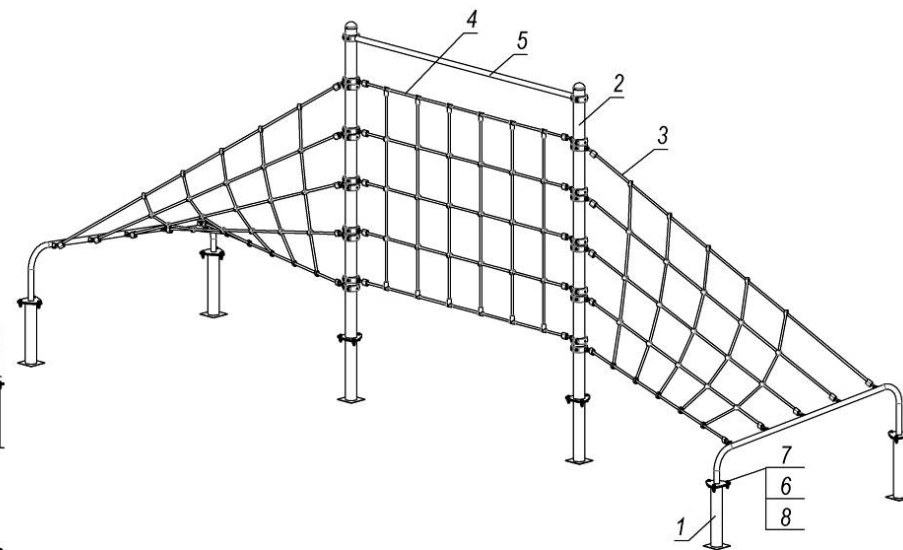
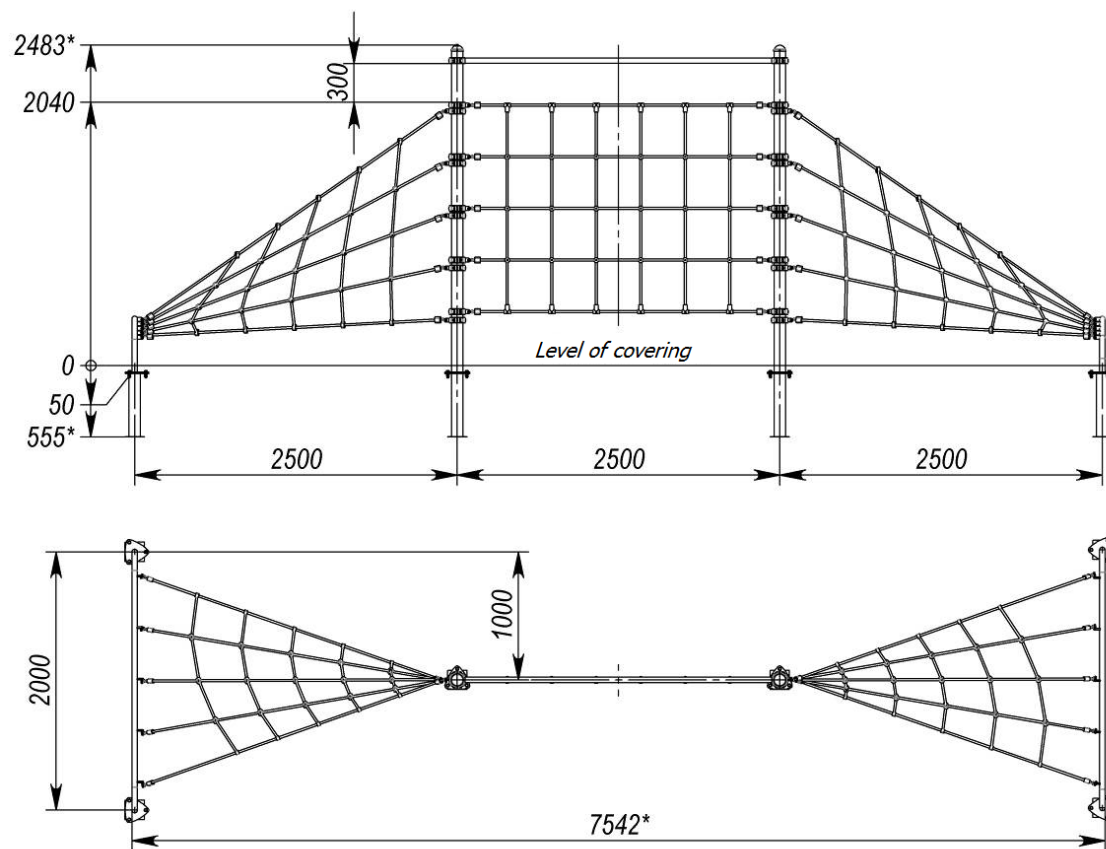


Picture 25 – LK815



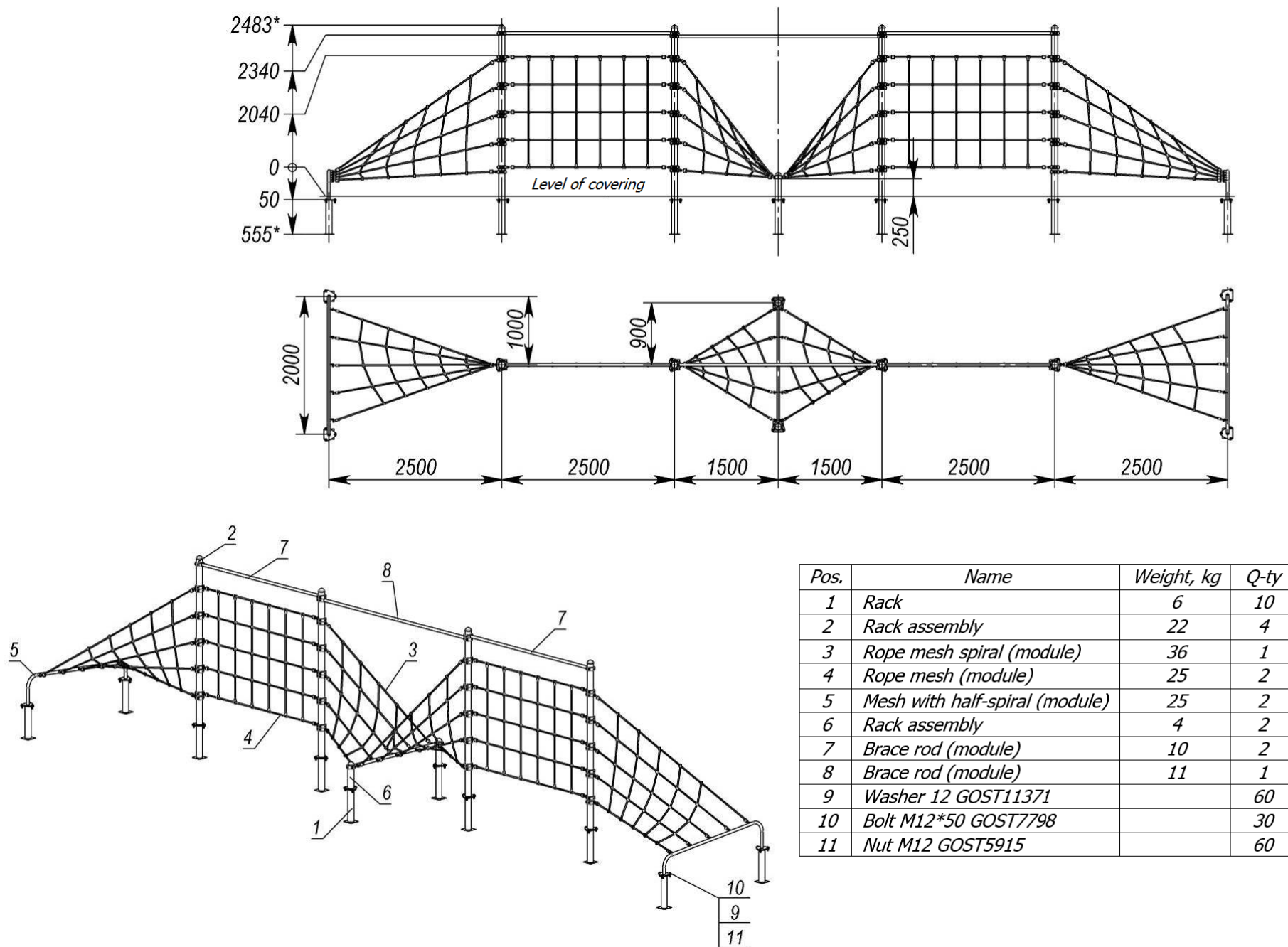
Pos.	Name	Weight, kg	Q-ty
1	Rope mesh "Spider web" (module)	35	1
2	Welded tube	22	8
3	Foundation	12	8
4	Plug D133mm		8
5	Rivet 4.8x16 DIN7337		16

Picture 26 – LK816

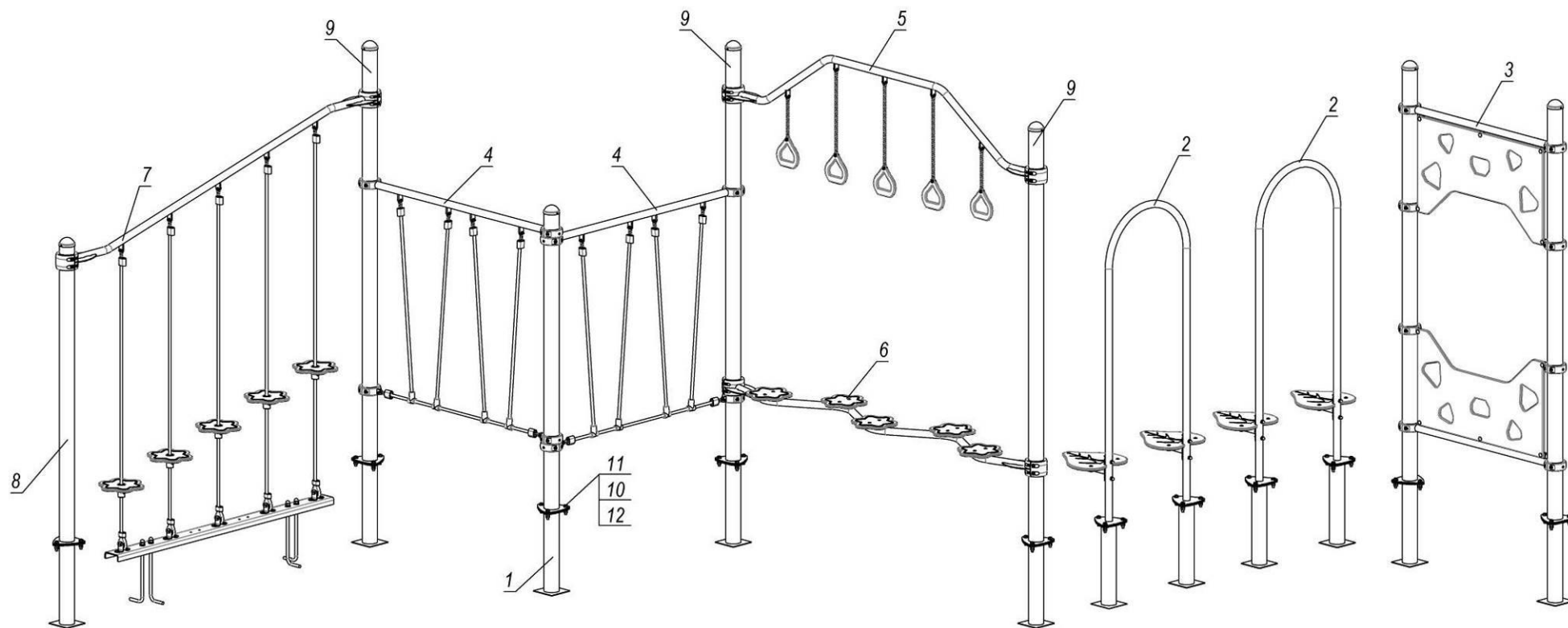


Pos.	Name	Weight, kg	Q-ty
1	Rack	6	6
2	Rack assembly	22	2
3	Mesh with half-spiral (module)	25	2
4	Rope mesh (module)	25	1
5	Brace rod (module)	10	1
6	Washer 12 GOST11371		36
7	Bolt M12*50 GOST7798		18
8	Nut M12 GOST5915		36

Picture 27 – LK822

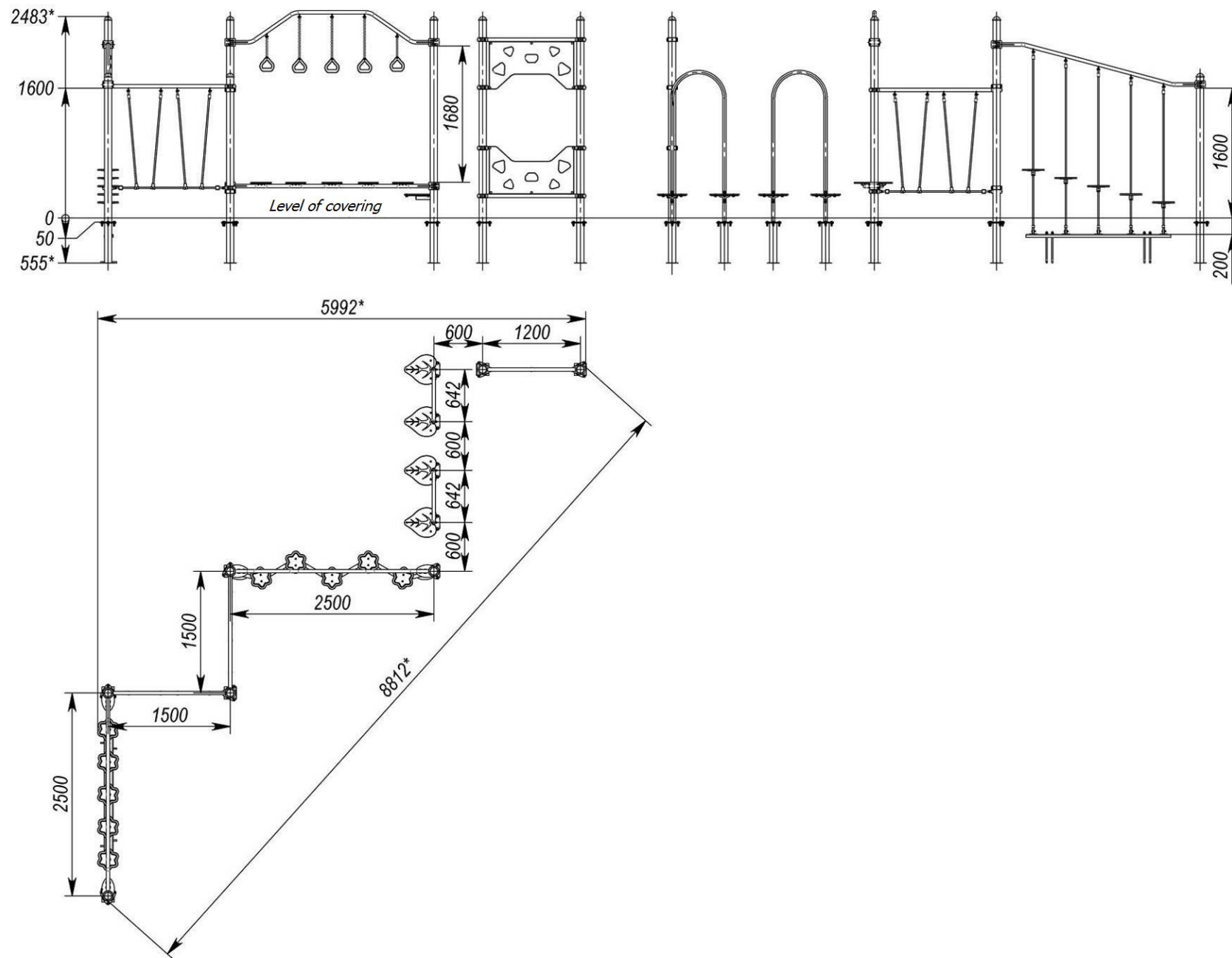


Picture 28 – LK822.1

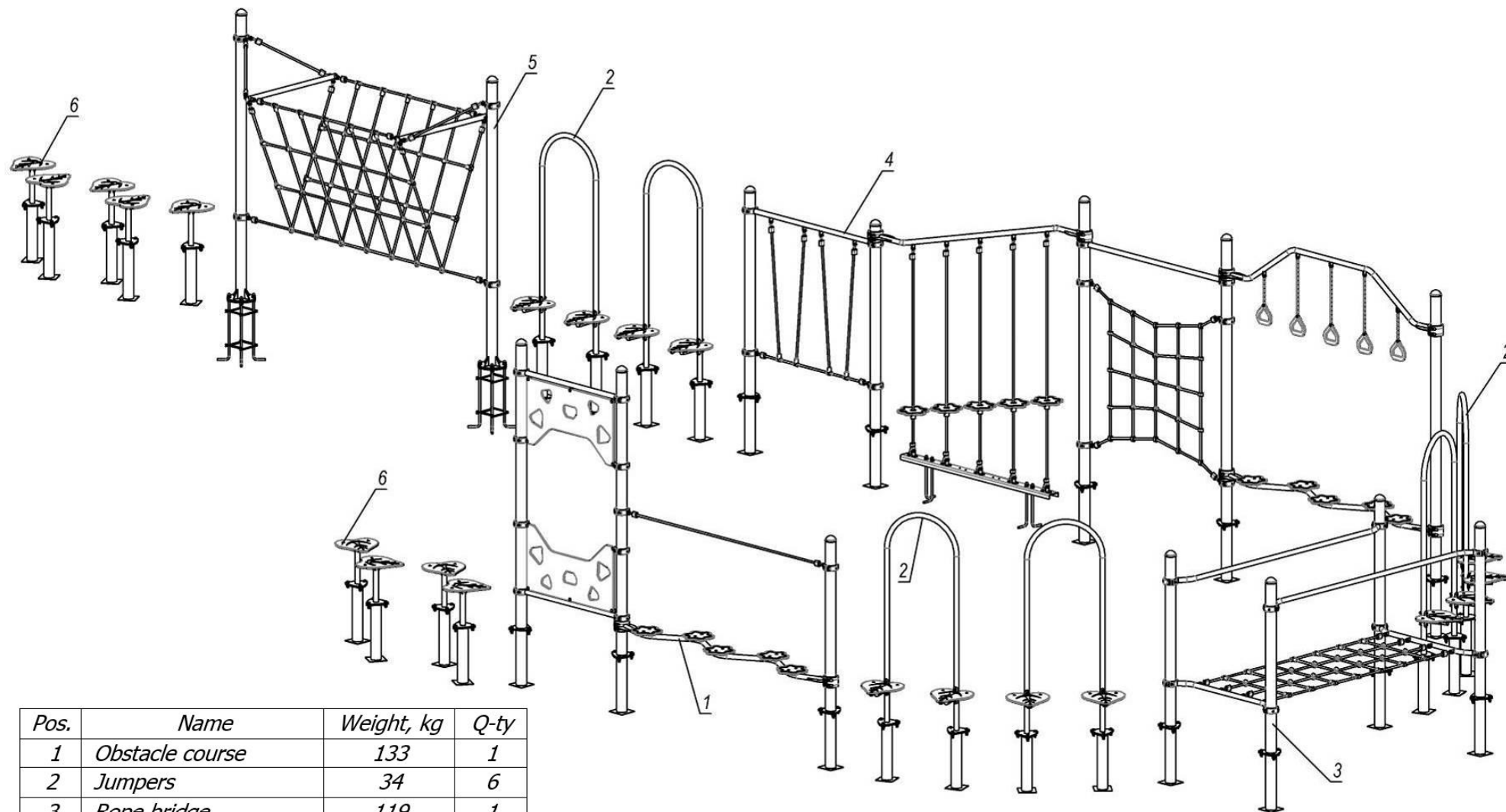


<i>Pos.</i>	<i>Name</i>	<i>Weight, kg</i>	<i>Q-ty</i>
1	Rack	6	5
2	Jumpers	34	2
3	"Rock climber"	88	1
4	Rope mesh (module)	13	2
5	Brace rod with chains (module)	20	1
6	Brace rod with flower (module)	21	1
7	Rope with flower (module)	46	1
8	Rack assembly	16	2
9	Rack assembly	22	3
10	Washer 12 GOST11371		30
11	Bolt M12*50 GOST7798		15
12	Nut M12 GOST5915		30

Picture 29 – LK823 (view 1)

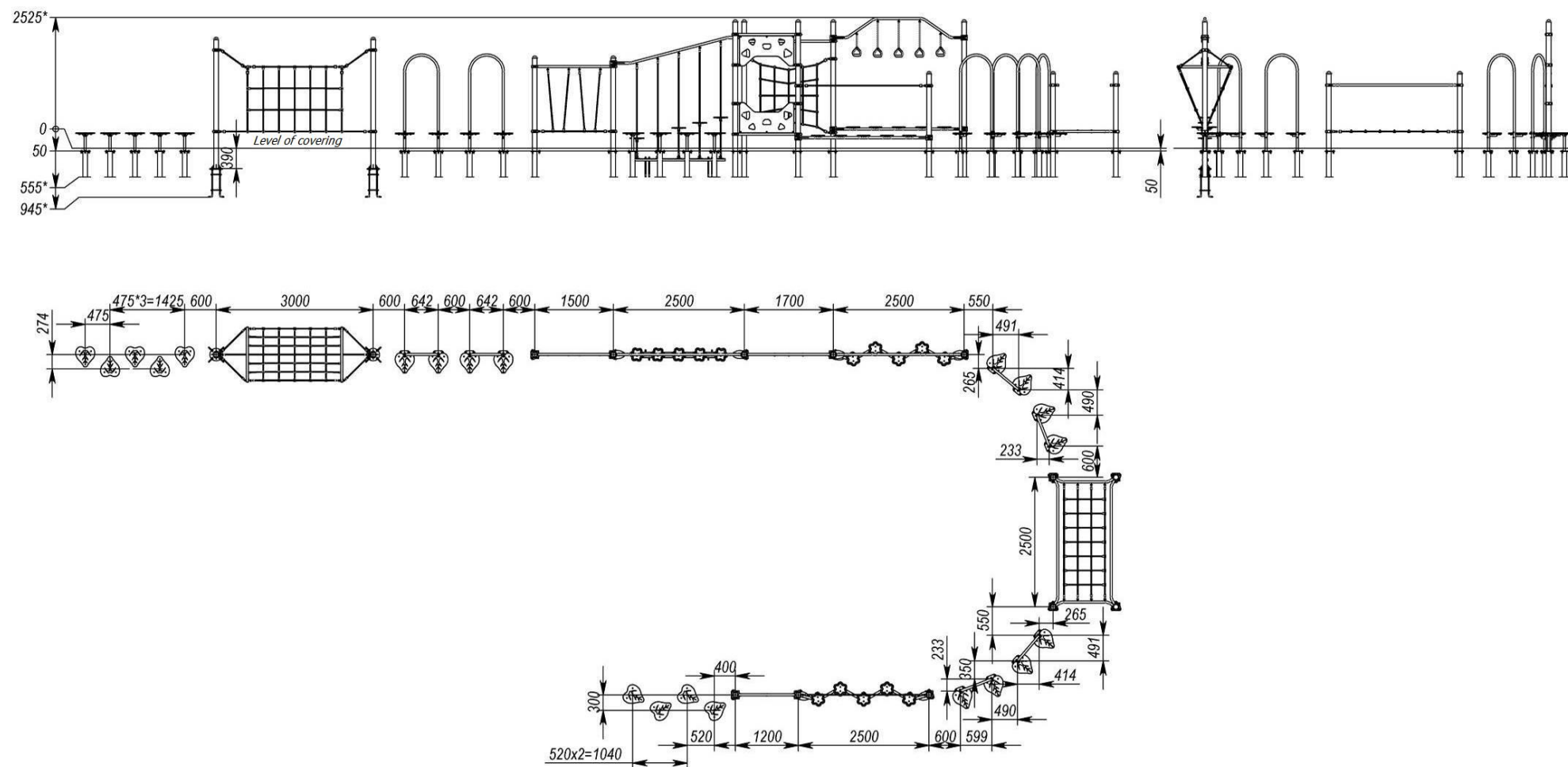


Picture 30 – LK823 (view 2)

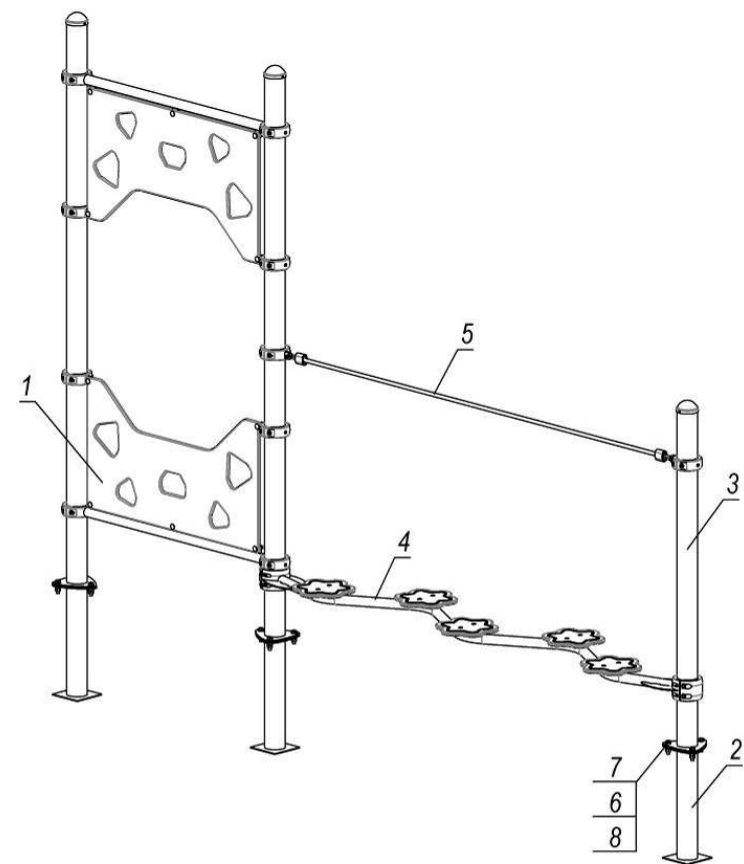
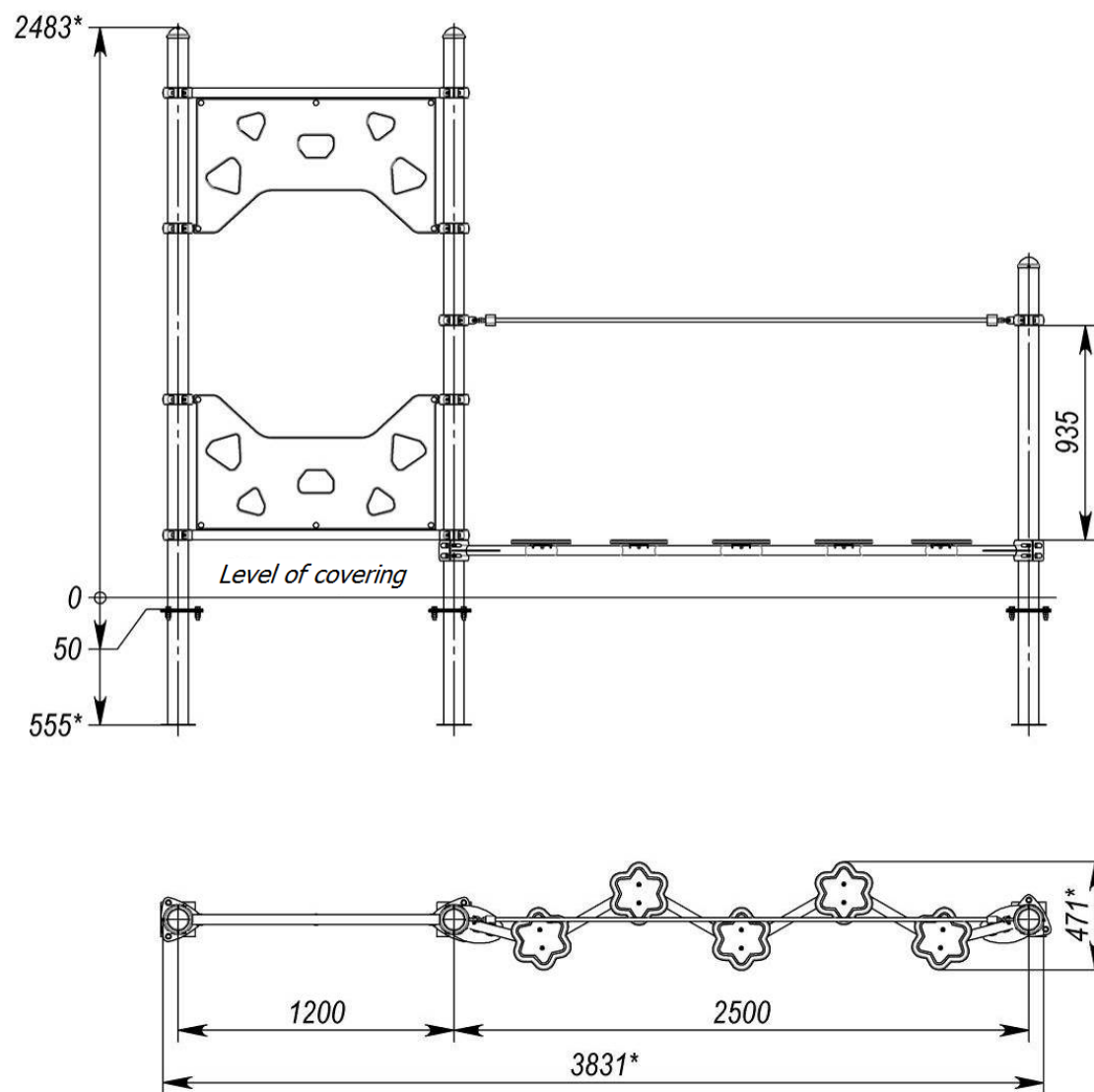


Pos.	Name	Weight, kg	Q-ty
1	Obstacle course	133	1
2	Jumpers	34	6
3	Rope bridge	119	1
4	Rope path	248	1
5	Rope triangular tunnel	93	1
6	Jumper	11	9

Picture 32 – LK824 (view 1)

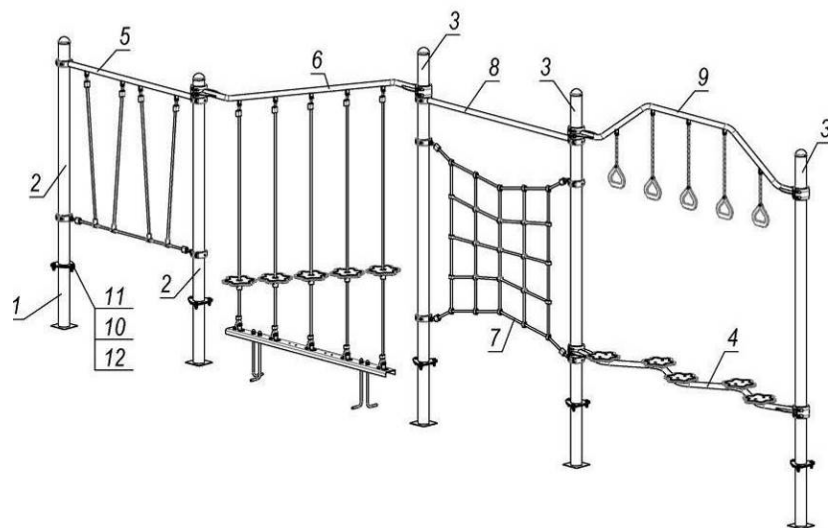
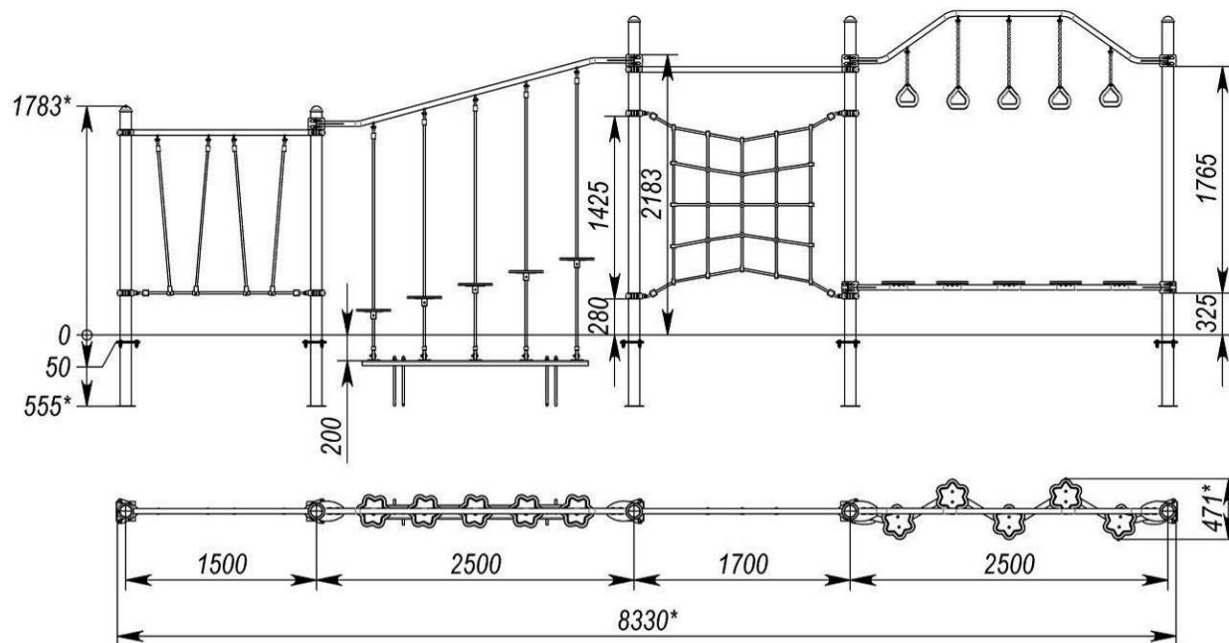


Picture 33 – LK824 (view 2)



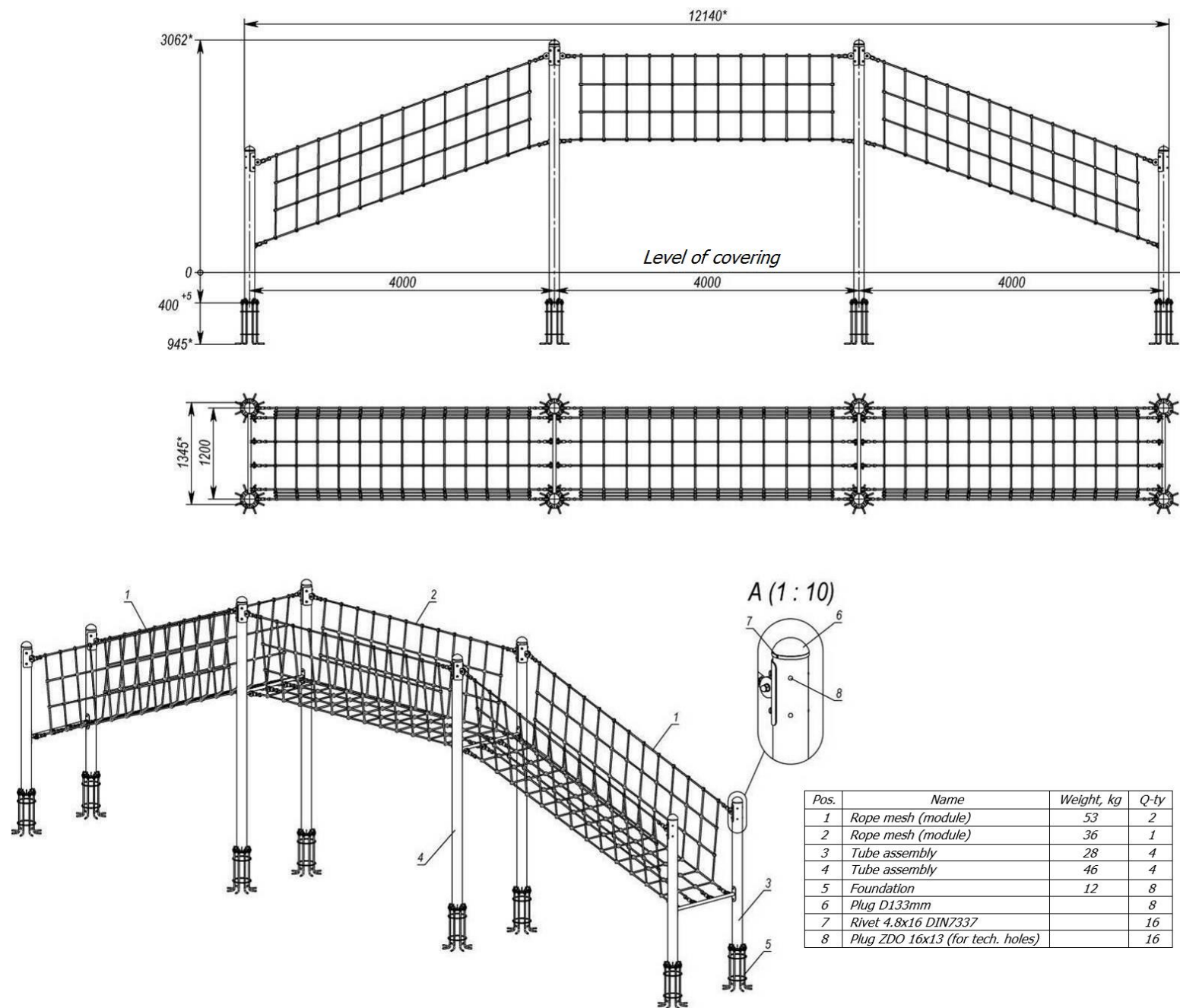
Pos.	Name	Weight, kg	Q-ty
1	"Rock climber"	88	1
2	Rack	6	1
3	Rack assembly	14	1
4	Brace rod with flower (module)	21	1
5	Rack assembly (module)	4	1
6	Washer 12 GOST11371		6
7	Bolt M12*50 GOST7798		3
8	Nut M12 GOST5915		6

Picture 34 – LK824.1



Pos.	Name	Weight, kg	Q-ty
1	Rack	6	5
2	Rack assembly	16	2
3	Rack assembly	22	3
4	Brace rod with flower (module)	21	1
5	Rope mesh (module)	13	1
6	Rope with flower (module)	46	1
7	Rope mesh (module)	11	1
8	Brace rod (module)	7	1
9	Brace rod with chains (module)	20	1
10	Washer 12 GOST11371		30
11	Bolt M12*50 GOST7798		15
12	Nut M12 GOST5915		30

Picture 35 – LK824.2



Picture 36 – LK825