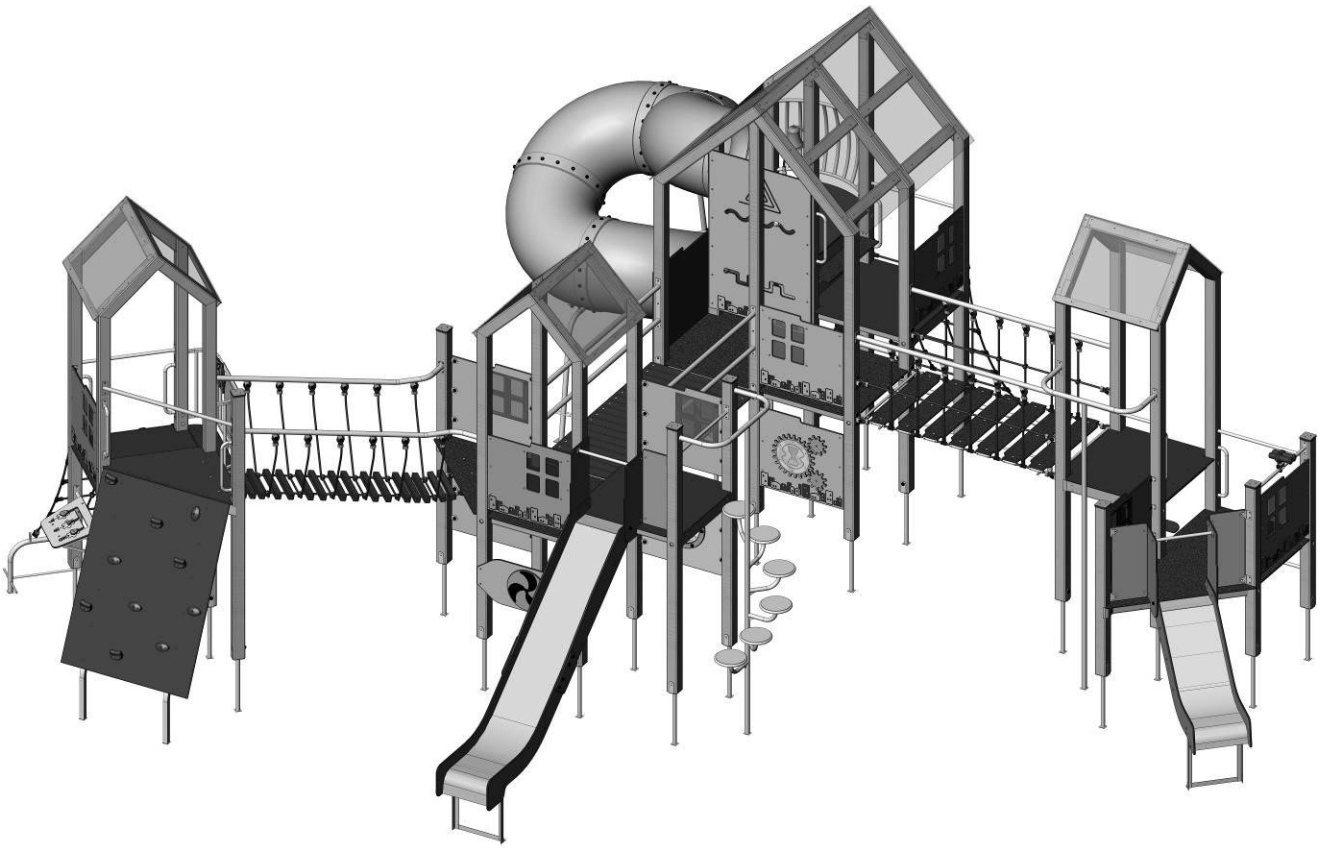
interatletika™

**PRODUCTION AND SALE OF SPORTS GOODS**

**Customer support:**
**+38 095 273 81 53**
**play.interatletika.com**

# DATA SHEET

Game Complex «Big City-12»  TE942



**CONTENT**

**1. GENERAL INFORMATION** ..... 3
**2. ASSEMBLING AND INSTALLATION OF THE PRODUCT** ..... 3
**3. PRODUCT USE** ..... 3
**4. PRODUCT MAINTENANCE** ..... 3
**5. STORAGE, TRANSPORT AND DISPOSAL INFORMATION** ..... 3
**6. TECHNICAL DATA AND ASSEMBLY SCHEMES** ..... 5

**FOR NOTES**

## 1. GENERAL INFORMATION

This document contains of general description, information about assembling, information about installation, usage, maintenance, current repairs and warranty on the manufacturer.

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..

## 2. ASSEMBLING AND INSTALATION OF THE PRODUCT

The product does not include the tools required for installation.

**Procedure of assembling and installing the product:**

1) Mark the area according to the foundation location scheme.
2) Make the digs for installation of the embedded parts and the attachments. The depth of these digs leveled by deepening or adding the gravel.
3) Assemble and install the equipment in accordance with the assembly schemes (chapter 7).
4) To concrete the embedded parts and support constructions of the attachment elements. If the equipment are installing on a sand soil, overall sizes of the digs must be increased by 15-20%.

To avoid cracking of the wood, it is necessary to drill the holes with diameter 0,6..0,7 of the start diameter and depth up to 0,8 of it's length for the screws with diameter more than 4 mm.

**WARNING! The presence and participation of the children in the process of installation of the equipment is not allowed.**

## 3. PRODUCT USE

It is not allowed to use the equipment before the end of the installation.

It is not allowed to use the equipment by users of another age and weight class.

Before use, it is necessary to clean the safety zone from foreign objects, sharp elements, protrusions.

It is prohibited to operate in difficult weather conditions (ice, snowfall, rain, hail, strong wind, etc.) in which there is a possibility of injury to the child.

## 4. PRODUCT MAINTENANCE

You have purchased high-quality and reliable equipment. It was produced according with the requirements of regulatory and technical documents of Ukraine, CIS and European Union countries, which regulate producing of children game equipment. But, please don't forget the necessity of following rules and requirements during the process of the exploitation any technical product. Our product is a high-quality and reliable equipment, but this rule applied to it in full. You need to recognize, that following the rules and guidelines safe child's health and life.

Remember, the exploitation of the equipment is accompanied by impact of different negative factors. In can be natural causes and factors, caused by human impact to the equipment. As usual, it's impact leads to violation of the product appearance. It can occur the damages of the parts paint coating integrity, which made of wood, in case of scuffing, chips, cuts influenced by human exploitation. A particular danger is in cases of use the product for other purposes, exceeding permissible loads and acts of vandalism.

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

1. Daily inspection - before using the product, check the functionality, visual inspection for the absence of breakages, damages, sharp edges on the nodes and parts, the integrity of the structure, the strength of the wooden structures and nodes connecting the elements, the absence of unnecessary items on the platforms. In the presence of product breakdowns, its complete or partial inoperability or other detected defects, the use of the product is prohibited.

2. Planned inspection - is carried out every three months.

Provides a detailed visual and operational review of the operation and stability of the equipment, especially in relation to any wear and tear.

During the verification process, the following are determined:

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

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

3. Annual inspection – conducted once every 12 months to establish the overall level of equipment safety.

In the process of visual and functional inspections, the following are determined:

- structural stability;
- the integrity of the foundation base;
- the strength of the nodes connecting the elements of the product;
- wear of sliding surfaces and grips.

Special attention should be paid to:

- assessment of the impact of weather phenomena;
- presence of rot or corrosion;
- parts closed for access during the entire period of operation.

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

record table.

Replace all failed components with parts from the manufacturer.

Independent manufacture and replacement of components and parts of equipment is prohibited.

## 5. STORAGE, TRANSPORT AND DISPOSAL INFORMATION

The product is transported in the manufacturer's packaging by any type of transport, which ensures its preservation and protection from external factors (rain, snow, sunlight, water, high humidity, etc.).

Before installation, store the product in the factory packaging in dry, closed rooms with natural air ventilation.

If it is necessary to transport the product to another place after its use, it is recommended to use the manufacturer's packaging.

If the product needs to be stored for a long time, the following storage rules must be followed (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 properties of the product during storage.

When removing the product from storage and preparing for installation, follow these recommendations:

- free the product from the packaging material (polyethylene, cardboard, other packaging materials);
- remove dust and other contamination from the surface of the product;
- check the completeness and absence of damage to parts.

After the end of the equipment's service life, the buyer independently determines the procedure for its use. If you decide to dispose of it, please 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 DATA AND SCHEMES

| | |
|---|---|
| Length, mm | **10436** |
| Width, mm | **8442** |
| High, mm | **3919** |
| Weight, kg | **1755** |
| Fall height, mm | **1530** |
| Age assignments, years | **up to 12** |
| Weight restrictions, kg | **up to 60** |

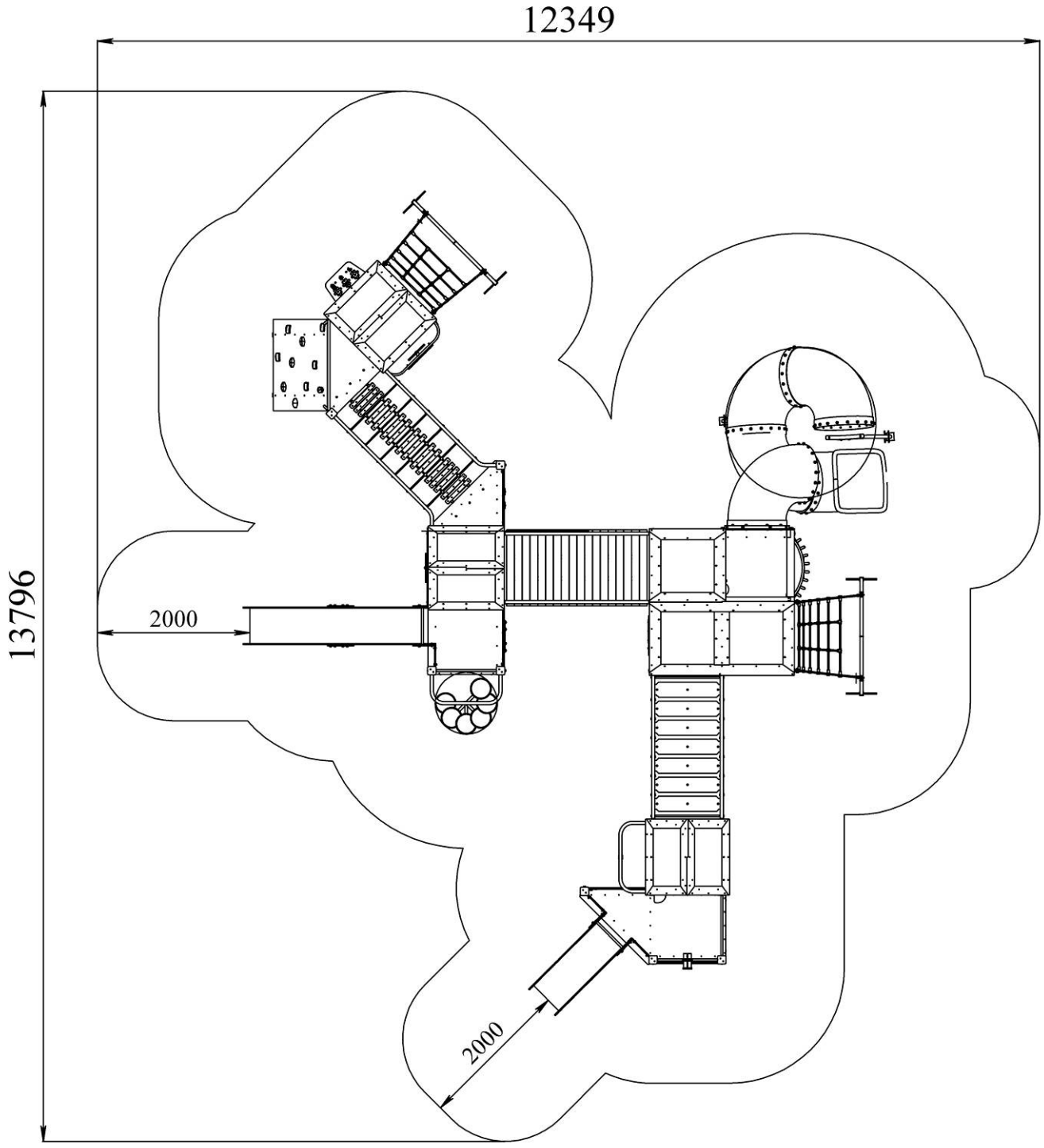



**Figure 1 – Landing area**

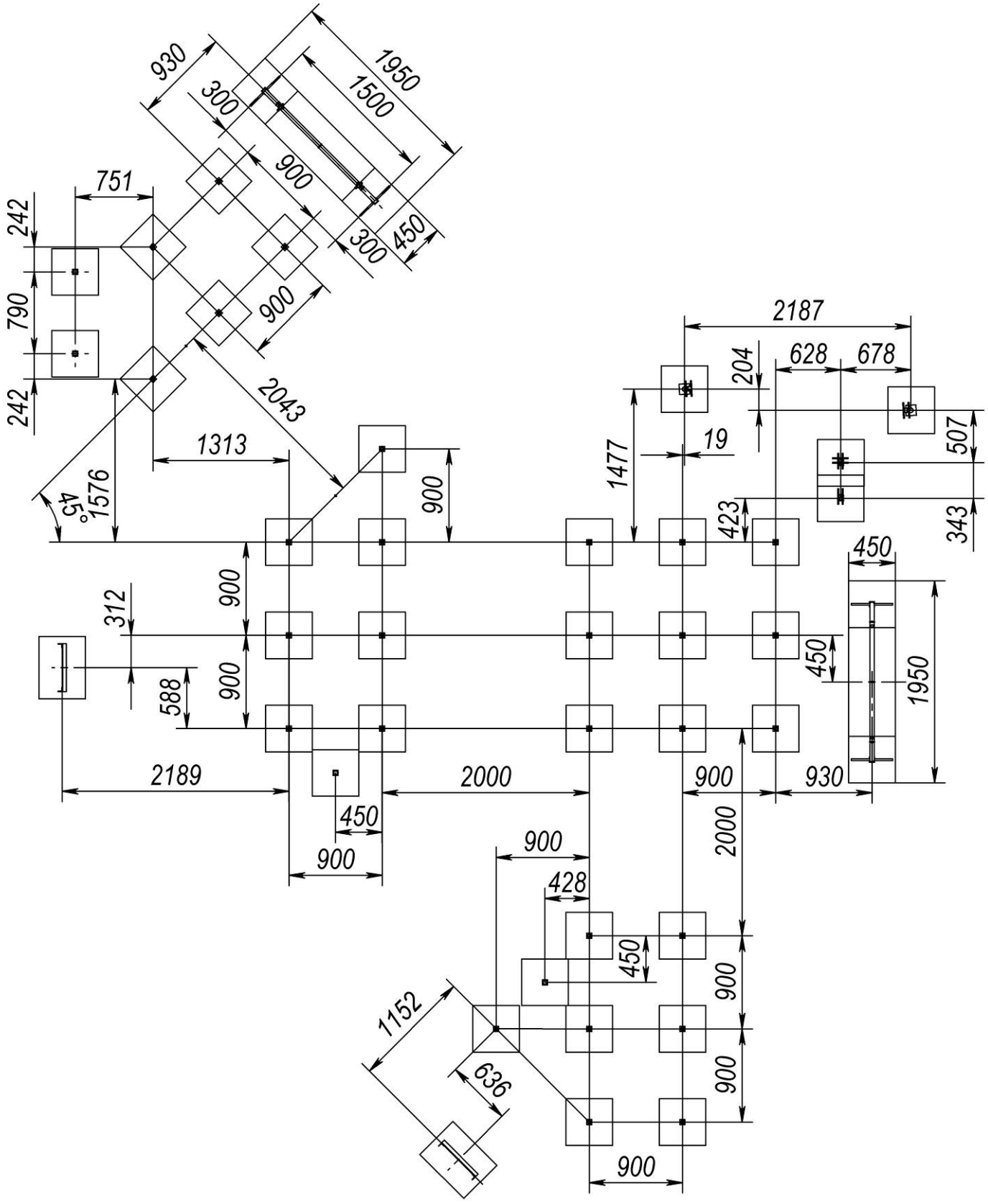



**Figure 2 – Foundation location scheme**

# Assembly scheme of Big Tower (1,2x2m)

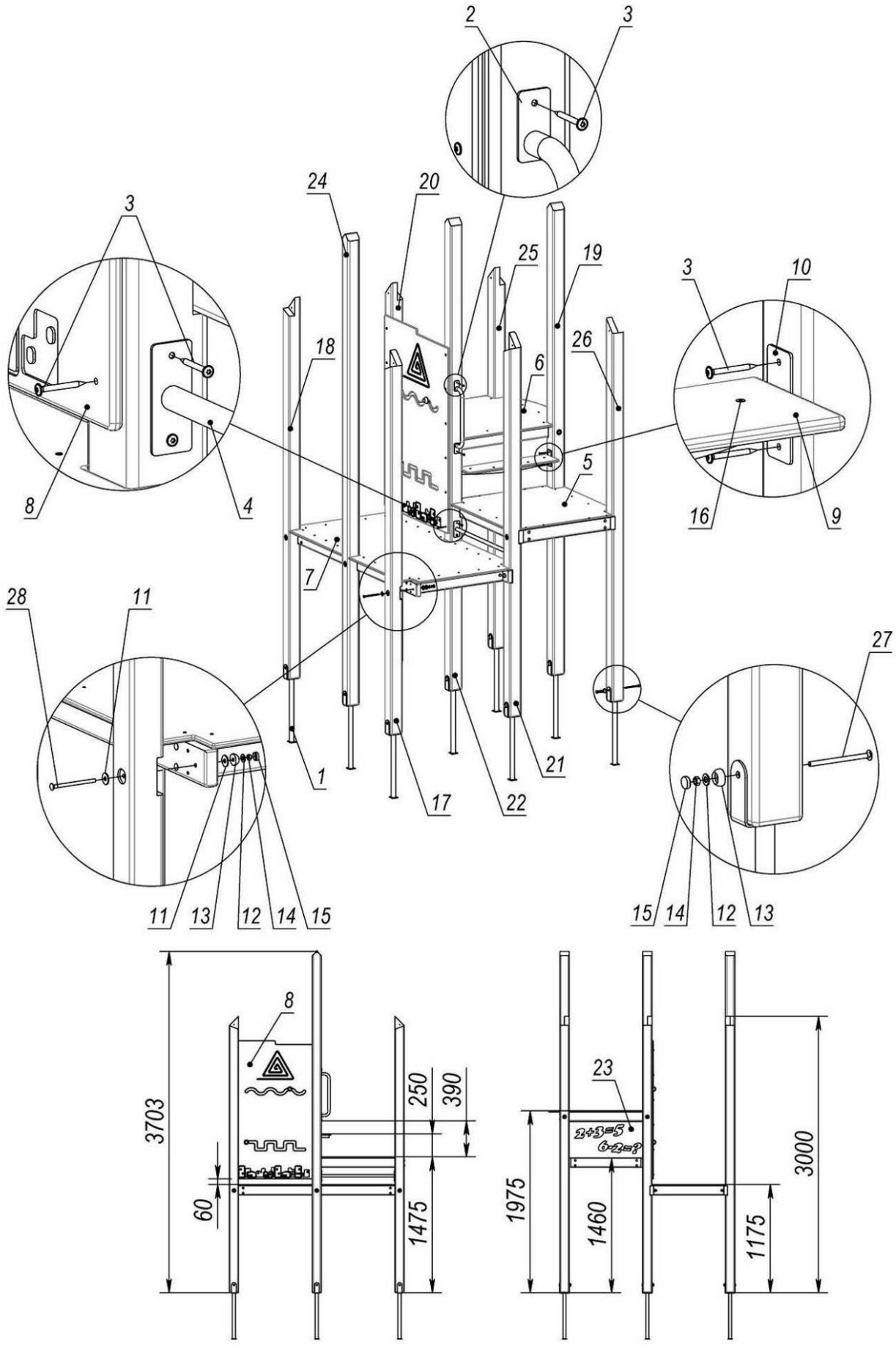



**Figure 3 – Big tower (1,2-2m)**

**Diagram 2 – Complete set of Big Tower (1,2-2m)**

| Pos. | Name | Weight, kg | Q-ty |
|---|---|---|---|
| 1. | Bar support | 2 | 9 |
| 2. | Handle | | 1 |
| 3. | Screw 6,0*60 SPAX T-STAR plus with a pressure pad (universal) | | 26 |
| 4. | Tie 0,8m | 1 | 1 |
| 5. | Platform 1*1m | 19 | 1 |
| 6. | Platform semicircle | 19 | 1 |
| 7. | Double platform (1,9*1m) | 35 | 1 |
| 8. | Pannel "Fine Motor Skills" | 19 | 1 |
| 9. | Stair (200*787) | 2 | 1 |
| 10. | Stair support | 2 | 1 |
| 11. | Washer 10 GOST6958 | | 18 |
| 12. | Washer 10 GOST11371 | | 23 |
| 13. | Cup M8 | | 23 |
| 14. | Nut M8 GOST5925 | | 23 |
| 15. | Cap M8 | | 23 |
| 16. | Screw with drill 4.8*32 DIN7504P | 5 | 4 |
| 17. | Bar 3m (groove 1,2) | 17 | 1 |
| 18. | Bar 3m (groove 1,2) | 17 | 1 |
| 19. | Central bar (groove 1,5-2) | 22 | 1 |
| 20. | Bar 3m (groove 2m) | 17 | 1 |
| 21. | Bar 3m (groove 1,5m) | 17 | 1 |
| 22. | Central bar (groove 1,2-1,5-2) | 21 | 1 |
| 23. | Floor | 5 | 1 |
| 24. | Central bar (groove 1,2m) | 22 | 1 |
| 25. | Bar 3m (groove 2m) | 17 | 1 |
| 26. | Bar 3m (groove 1,5m) | 17 | 1 |
| 27. | Bolt M8*120 GOST7802 | | 9 |
| 28. | Bolt M8*130 GOST7802 | | 14 |

**Pannel's external view and its location for Big Tower (1,2-2м)**
**(Additional pannel's location scheme in Appendix)**

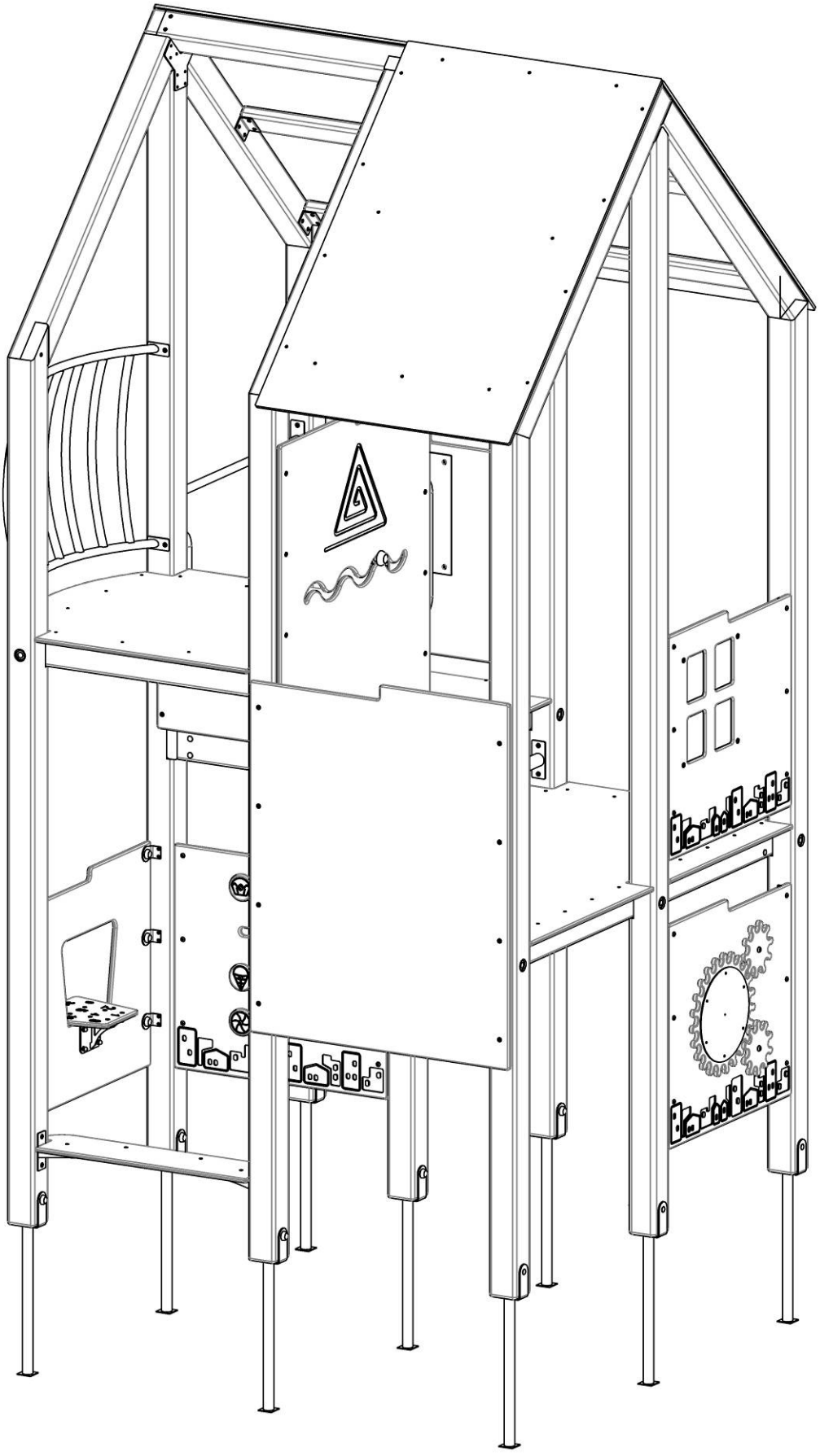


**Figure 4**

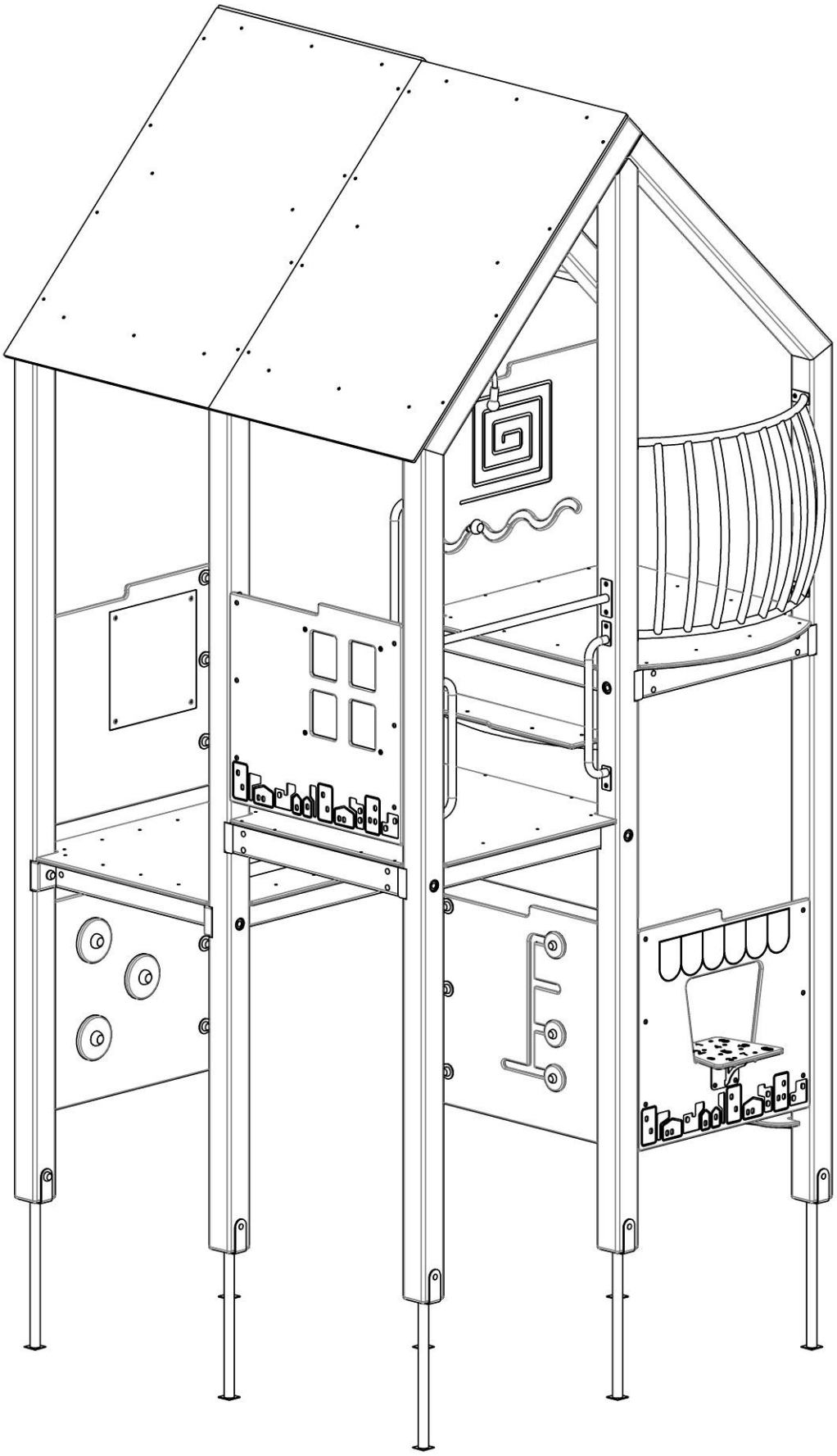
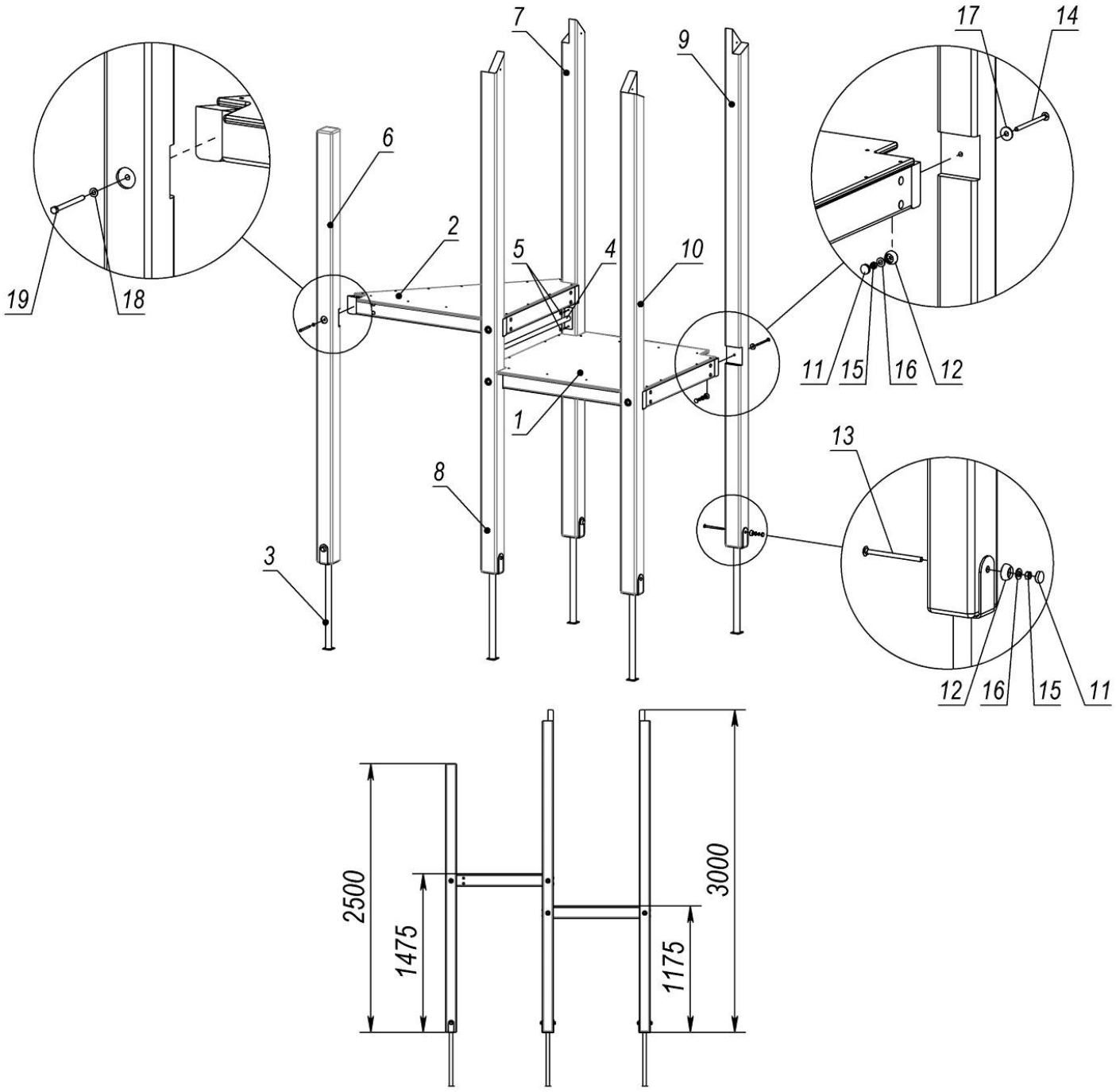


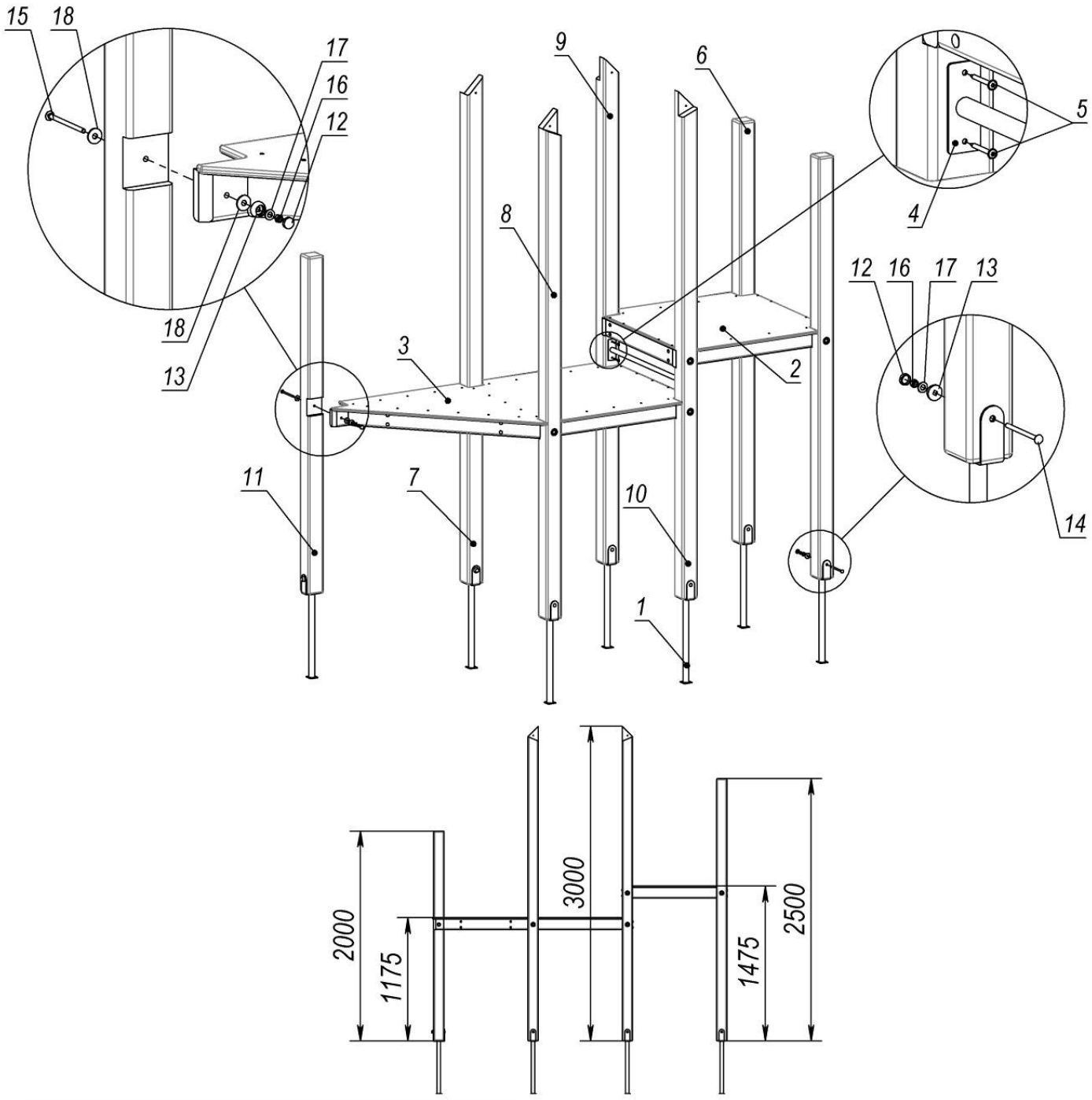
**Figure 5**




| Pos. | Name | Weight, kg | Q-ty |
|---|---|---|---|
| 1. | Platform 1*1m | 19 | 1 |
| 2. | 3-side platform | 14 | 1 |
| 3. | Bar support | 2 | 5 |
| 4. | Tie 0,8m | 1 | 1 |
| 5. | Screw 6,0*60 SPAX t-STAR plus with pressure pad (universal) | | 4 |
| 6. | Bar 2,5m (groove 1,5m) | 15 | 1 |
| 7. | Bar 3m (groove 1,2 and 1,5m) | 17 | 1 |
| 8. | Bar 3m (groove 1,2 and 1,5m) | 17 | 1 |
| 9. | Bar 3m (groove 1,2) | 17 | 1 |
| 10. | Bar 3m (groove 1,2) | 17 | 1 |

| Pos. | Name | Weight, kg | Q-ty |
|---|---|---|---|
| 11. | Cap M8 | | 11 |
| 12. | Cup M8 | | 11 |
| 13. | Bolt M8*120 GOST7802 | | 5 |
| 14. | Bolt M8*130 GOST7802 | | 6 |
| 15. | Nut M8 GOST5915 | | 11 |
| 16. | Washer 10 GOST11371 | | 11 |
| 17. | Washer 10 GOST6958 | | 6 |
| 18. | Washer 8 GOST11473 | | 1 |
| 19. | Screw 8*110 GOST11473 | | 1 |

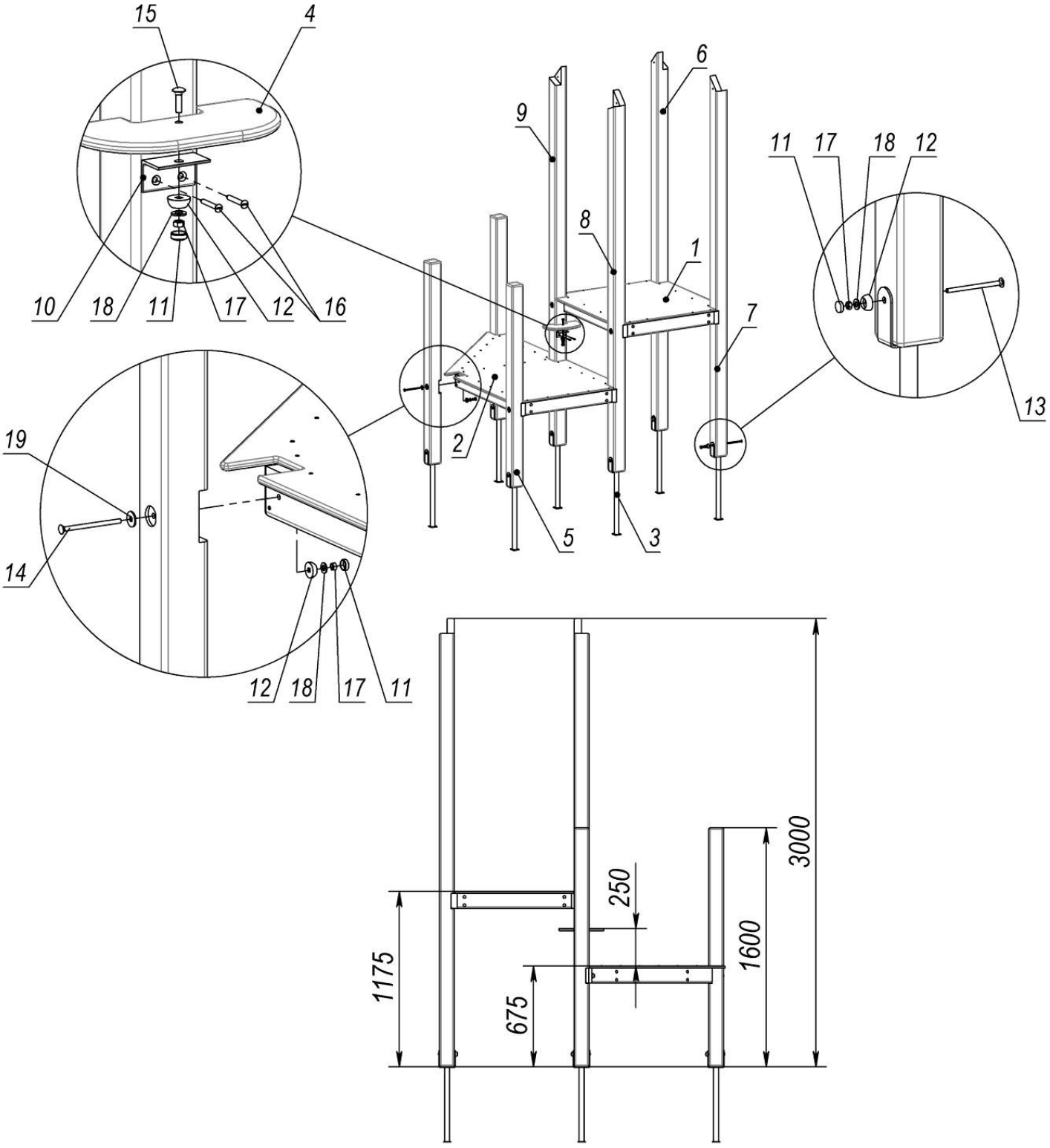
**Figure 6 – Corner Double Tower (1,2-1,5m)**




| Pos. | Name | Weight, kg | Q-ty |
|---|---|---|---|
| 1. | Bar support | 2 | 2 |
| 2. | Platform 1*1m | 19 | 1 |
| 3. | Corner double platform (1*1,9m) | 31 | 1 |
| 4. | Tie 0,8m | 1 | 1 |
| 5. | Screw 6,0*60 SPAX t-STAR plus with pressure pad (universal) | | 4 |
| 6. | Bar 2,5m (groove 1,5m) | 15 | 2 |
| 7. | Bar 3m (groove 1,2) | 17 | 1 |
| 8. | Bar 3m (groove 1,2) | 17 | 1 |
| 9. | Bar 3m (groove 1,2 and 1,5m) | | 1 |
| 10. | Bar 3m (groove 1,2 and 1,5m) | | 1 |

| Pos. | Name | Weight, kg | Q-ty |
|---|---|---|---|
| 11. | Bar 2m (groove 1,5m) | 12 | 1 |
| 12. | Cap M8 | | 16 |
| 13. | Cup M8 | | 16 |
| 14. | Bolt M8*120 GOST7802 | | 7 |
| 15. | Bolt M8*130 GOST7802 | | 9 |
| 16. | Nut M8 GOST5915 | | 16 |
| 17. | Washer 10 GOST11371 | | 16 |
| 18. | Washer 10 GOST6958 | | 10 |

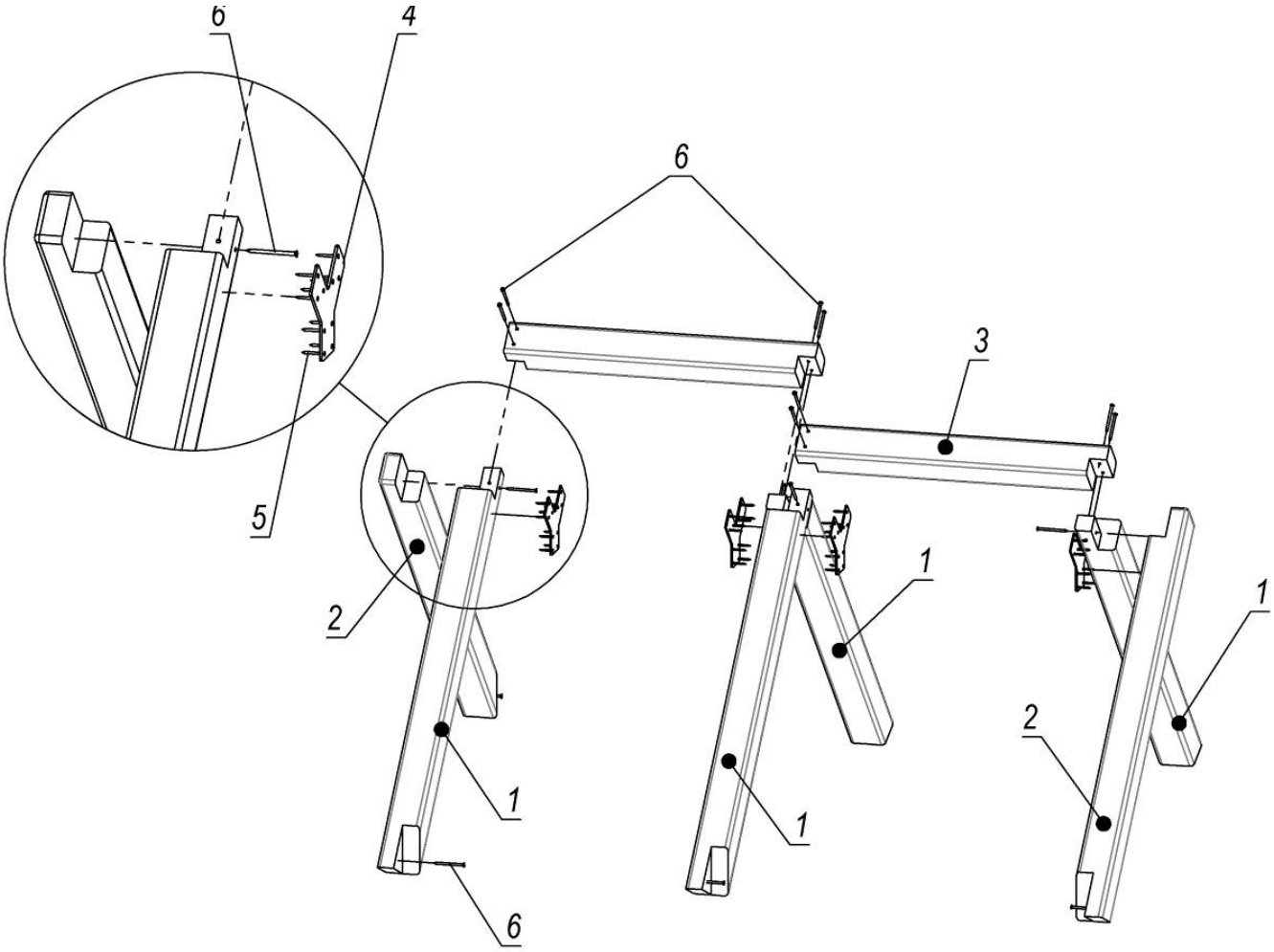
**Figure 7 – Triple Tower 1,2-1,2-1,5m**




| Pos. | Name | Weight, kg | Q-ty |
|---|---|---|---|
| 1. | Platform 1*1m | 19 | 1 |
| 2. | Corner double platform (1*1,9m) | 31 | 1 |
| 3. | Bar support | 2 | 7 |
| 4. | Plate (150*300) | | 1 |
| 5. | Bar 1,6m (groove 0,7m) | 9 | 3 |
| 6. | Bar 3m (groove 1,2) | 17 | 1 |
| 7. | Bar 3m (groove 1,2) | 17 | 1 |
| 8. | Bar 3m (groove 1,2-0,7) | 17 | 1 |
| 9. | Bar 3m (groove 1,2-0,7) | 17 | 1 |
| 10. | Angle bar big | | 1 |

| Pos. | Name | Weight, kg | Q-ty |
|---|---|---|---|
| 11. | Cap M8 | | 17 |
| 12. | Cup M8 | | 17 |
| 13. | Bolt M8*120 GOST7802 | | 7 |
| 14. | Bolt M8*130 GOST7802 | | 9 |
| 15. | Screw 6*50 GOST1145 | | 2 |
| 16. | Nut M8 GOST5915 | | 17 |
| 17. | Washer 10 GOST11371 | | 17 |
| 18. | Washer 10 GOST6958 | | 10 |

**Figure 8 – Triple Tower 0,7-0,7-1,2m**




| Pos. | Name | Weight, kg | Q-ty |
|---|---|---|---|
| 1. | Back fonton | 7 | 4 |
| 2. | Front fonton | 7 | 2 |
| 3. | Hrebii (100*100*900) | 5 | 2 |
| 4. | Double-sided angle bar | | 4 |
| 5. | Screw 4*40 GOST1145 | | 40 |
| 6. | Screw 6*90 GOST1145 | | 18 |

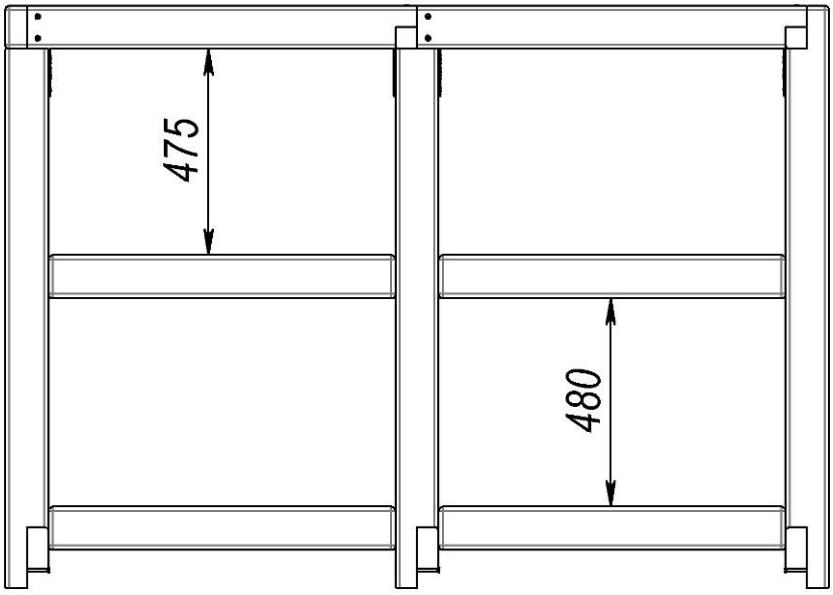
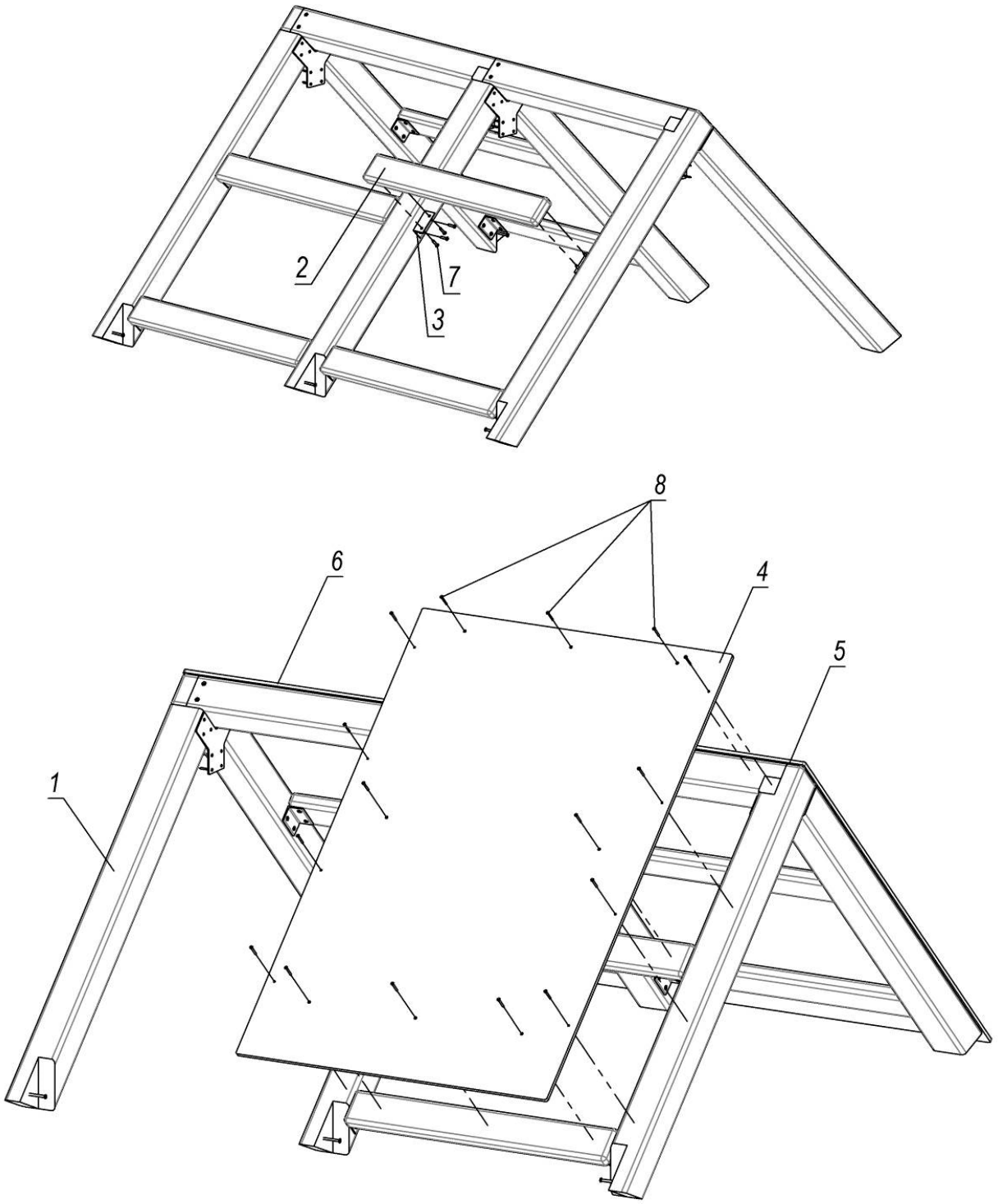
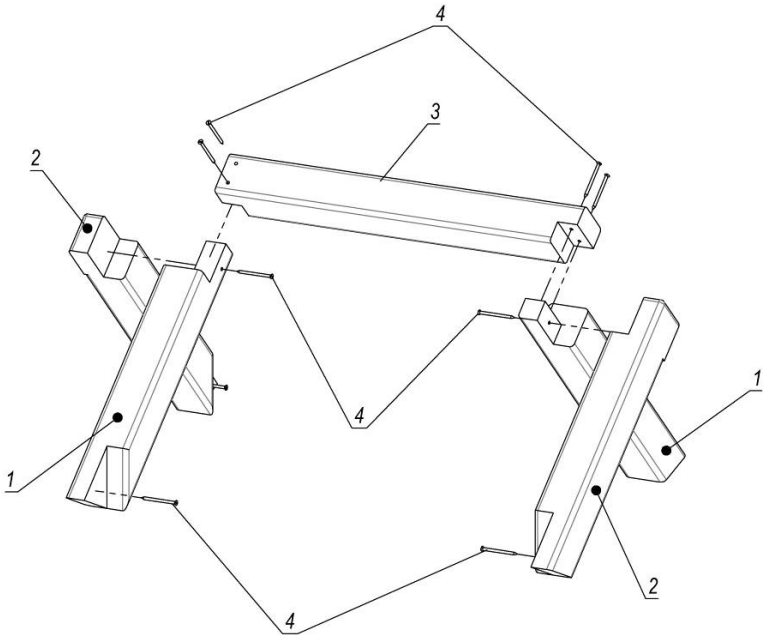



**Figure 9 – Big Roof assembly scheme**

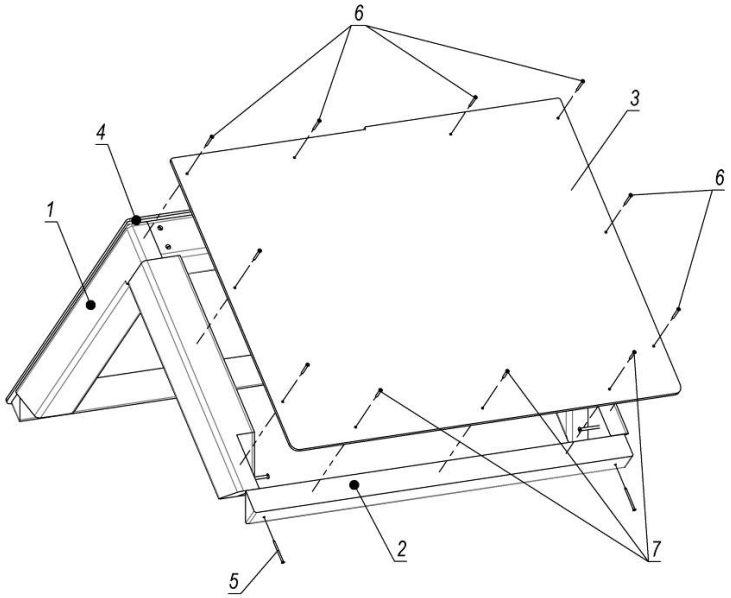



| Pos. | Name | Weight, kg | Q-ty |
|---|---|---|---|
| 1. | Roof 2*2m (basis) | 56 | 1 |
| 2. | Support | 2 | 6 |
| 3. | Angle bar 80mm | | 12 |
| 4. | Roof slope (950*1400) | 14 | 1 |
| 5. | Roof slope (950*1400) | 14 | 1 |
| 6. | Roof slope (950*1400) | 14 | 1 |
| 7. | Screw 6*35 GOST1145 | | 48 |
| 8. | Screw 4*40 GOST1144 | | 48 |

**Figure 10 – Complete set of Big Roof with Window**




| Pos. | Name | Weight, kg | Q-ty |
|---|---|---|---|
| 1. | Back fonton | | 2 |
| 2. | Front fonton | | 2 |
| 3. | Hrebii (100*100*900) | 5 | 1 |
| 4. | Screw 6*90 GOST1145 | | 10 |




| Pos. | Name | Weight, kg | Q-ty |
|---|---|---|---|
| 1. | Roof | 19 | 1 |
| 2. | Block 970mm | | 2 |
| 3. | Roof slope (775*1000) | 5 | 1 |
| 4. | Roof slope (775*1000) | 5 | 1 |
| 5. | Screw 4*60 GOST1145 | | 4 |
| 6. | Screw 4*40 GOST1144 | | 16 |
| 7. | Screw 4*30 GOST1144 | | 6 |

**Figure 11 – Roof assembly scheme**

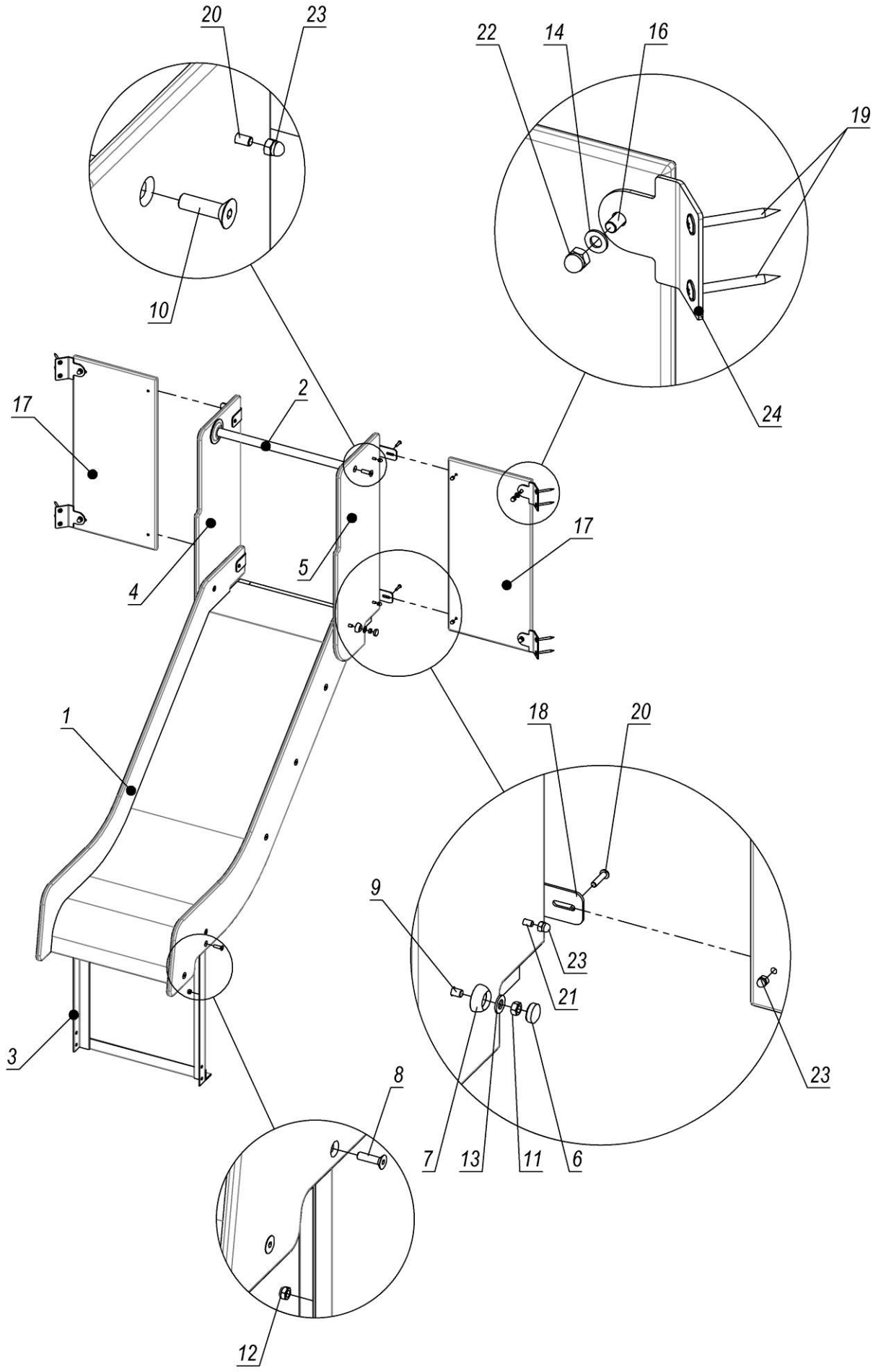
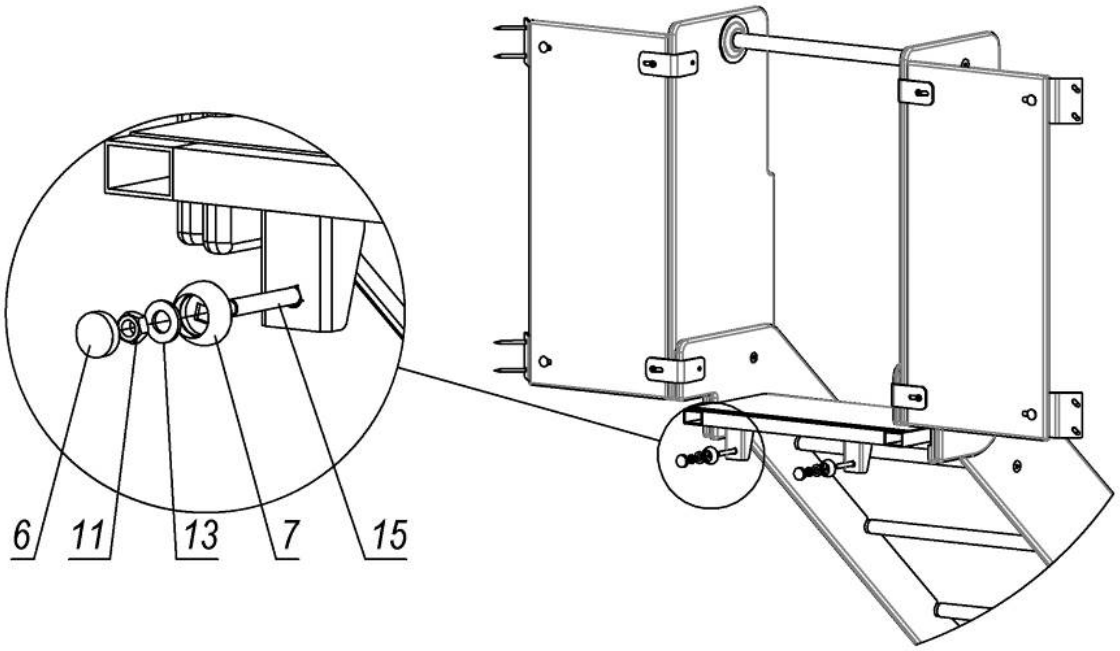



**Figure 12**




| Pos. | Name | Weight, kg | Q-ty |
|---|---|---|---|
| 1 | Slide 0,7m | 21 | 1 |
| 2 | Tie 493mm | 1 | 1 |
| 3 | Embedded for slide (angle bar) | 5 | 1 |
| 4 | Top right side plate | 3 | 1 |
| 5 | Top right side plate | 3 | 1 |
| 6 | Cap M8 | | 4 |
| 7 | Cup M8 | | 4 |
| 8 | Screw M8*30 DIN7991 | 14 | 4 |
| 9 | Screw M8*40 DIN7991 | 18 | 2 |
| 10 | Screw M10*35 DIN7991 | 26 | 2 |
| 11 | Nut M8 GOST5915 | | 4 |
| 12 | Nut M8 DIN985 | | 4 |
| 13 | Washer 10 GOST11371 | | 4 |
| 14 | Washer 8 GOST11371 | | 4 |
| 15 | Bolt M8*55 GOST7802 | | 2 |
| 16 | Bolt M8*30 GOST7802 | | 4 |
| 17 | Partition (306-650) | 3 | 2 |
| 18 | Slide's angle bar | | 4 |
| 19 | Screw bolt 6,0*60 SPAX T-STAR plus with pressure pad (universal) | | 8 |
| 20 | Tornillo M6*25 ISO7380 | | 6 |
| 21 | Tornillo M6*40 ISO7380 | | 2 |
| 22 | Cap nut M8 DIN1587 | | 4 |
| 23 | Cap nut M6 DIN1587 | | 8 |
| 24 | Angular bar 135 degree | | 4 |

**Figure 12.1 - Double Slide assembly scheme 0,7**

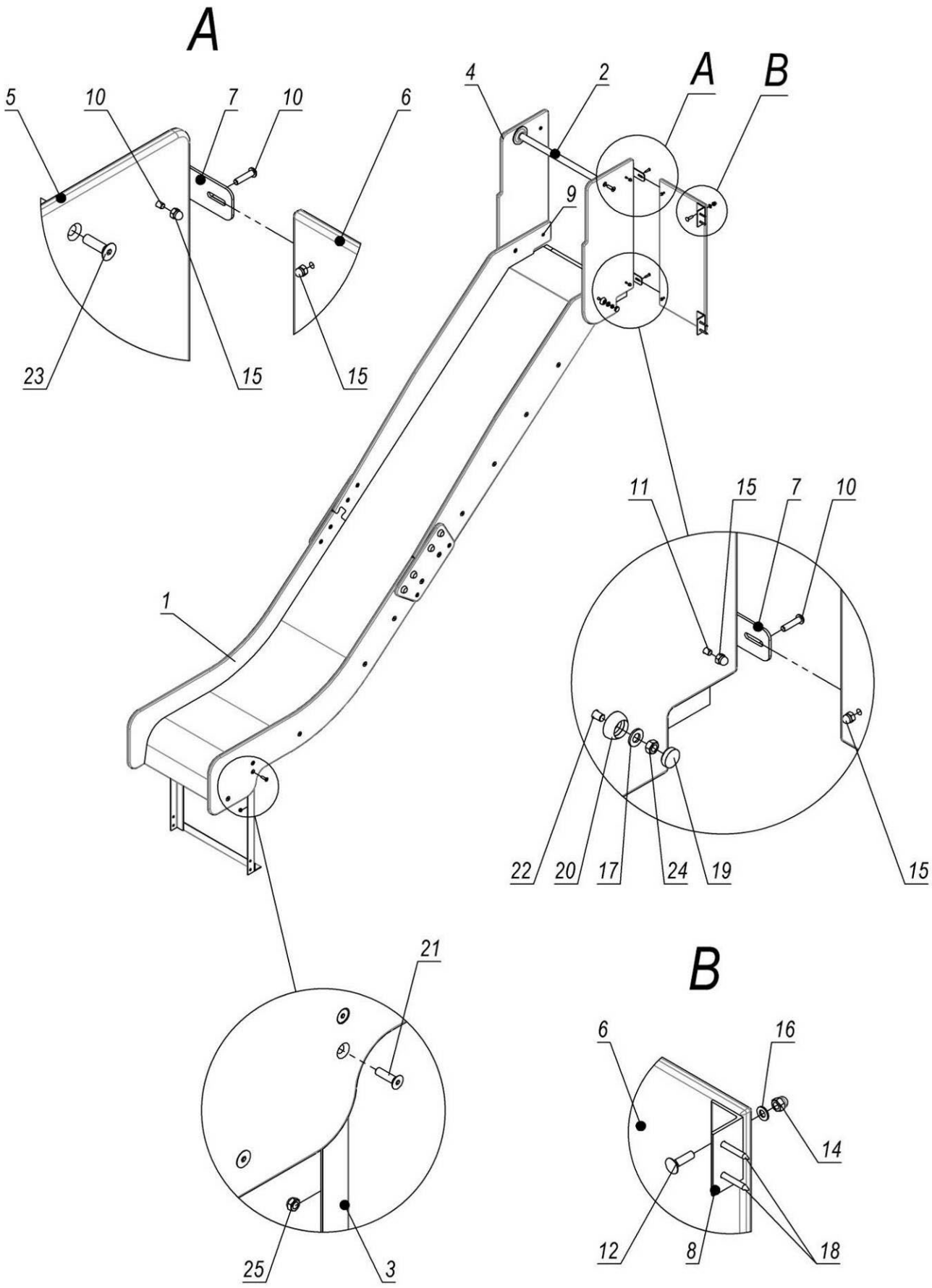
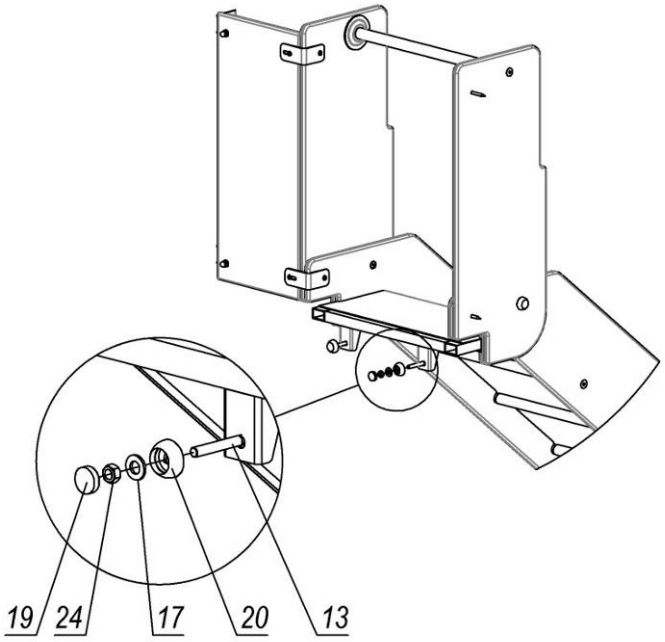

A
5
10
7
10
6
23
15
15
4
2
A
B
9
1
11
15
7
10
22
20
17
24
19
15
21
25
3
B
6
16
14
12
8
18

**Figure 13**




| Pos. | Name | Weight, kg | Q-ty |
|---|---|---|---|
| 1 | Slide 01,5m | 44 | 1 |
| 2 | Tie 493mm | 1 | 1 |
| 3 | Embedded for slide | 5 | 1 |
| 4 | Top right side plate | 3 | 1 |
| 5 | Top right side plate | 3 | 1 |
| 6 | Partition | 3 | 1 |
| 7 | Slide's angle bar | | 2 |
| 8 | Big angle bar | | 2 |
| 9 | Screw bolt 6,0*60 SPAX T-STAR plus (universal) | | 2 |
| 10 | Tornillo M6*25 ISO7380 | | 3 |
| 11 | Tornillo M6*40 ISO7380 | | 1 |
| 12 | Bolt M8*30 GOST7802 | | 2 |
| 13 | Bolt M8*55 GOST7802 | | 2 |
| 14 | Cap nut M8 DIN1587 | | 2 |
| 15 | Cap nut M6 DIN1587 | | 4 |
| 16 | Washer 8 GOST11371 | | 2 |
| 17 | Washer 10 GOST11371 | | 4 |
| 18 | Screw bolt 6*50 GOST1145 | | 4 |
| 19 | Cap M8 | | 4 |
| 20 | Cup M8 | | 4 |
| 21 | Tornillo M8*30 DIN7991 | | 4 |
| 22 | Tornillo M8*40 DIN7991 | | 2 |
| 23 | Tornillo M10*35 DIN7991 | | 2 |
| 24 | Nut M8 GOST5915 | | 4 |
| 25 | Nut M8 DIN985 | | 4 |

**Рисунок 13.1 – Схема збирання гірки 1,5м**

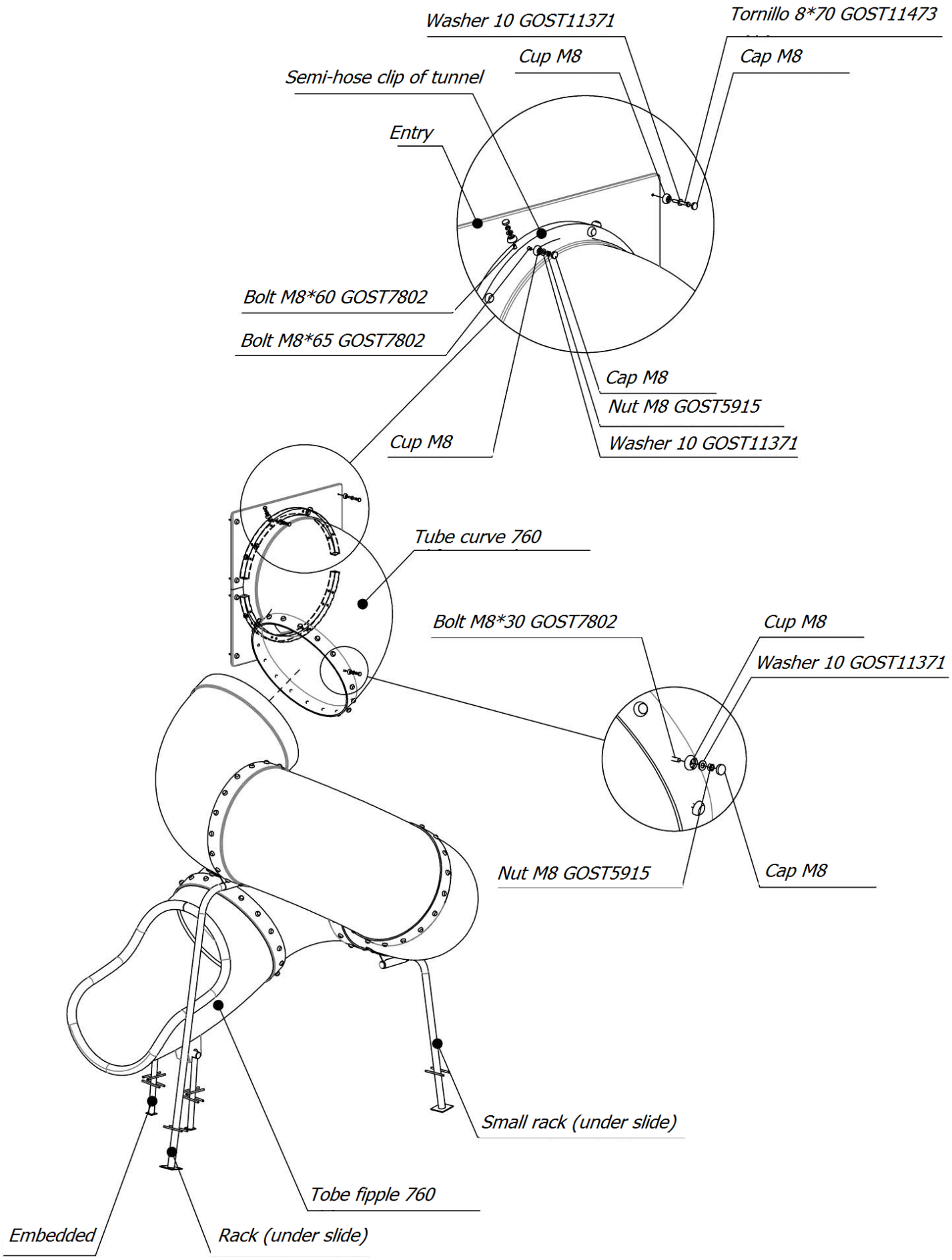



**Figure 14 – Slide Ukrhimplast assembly scheme. (Additionally assembly scheme in Appendix)**

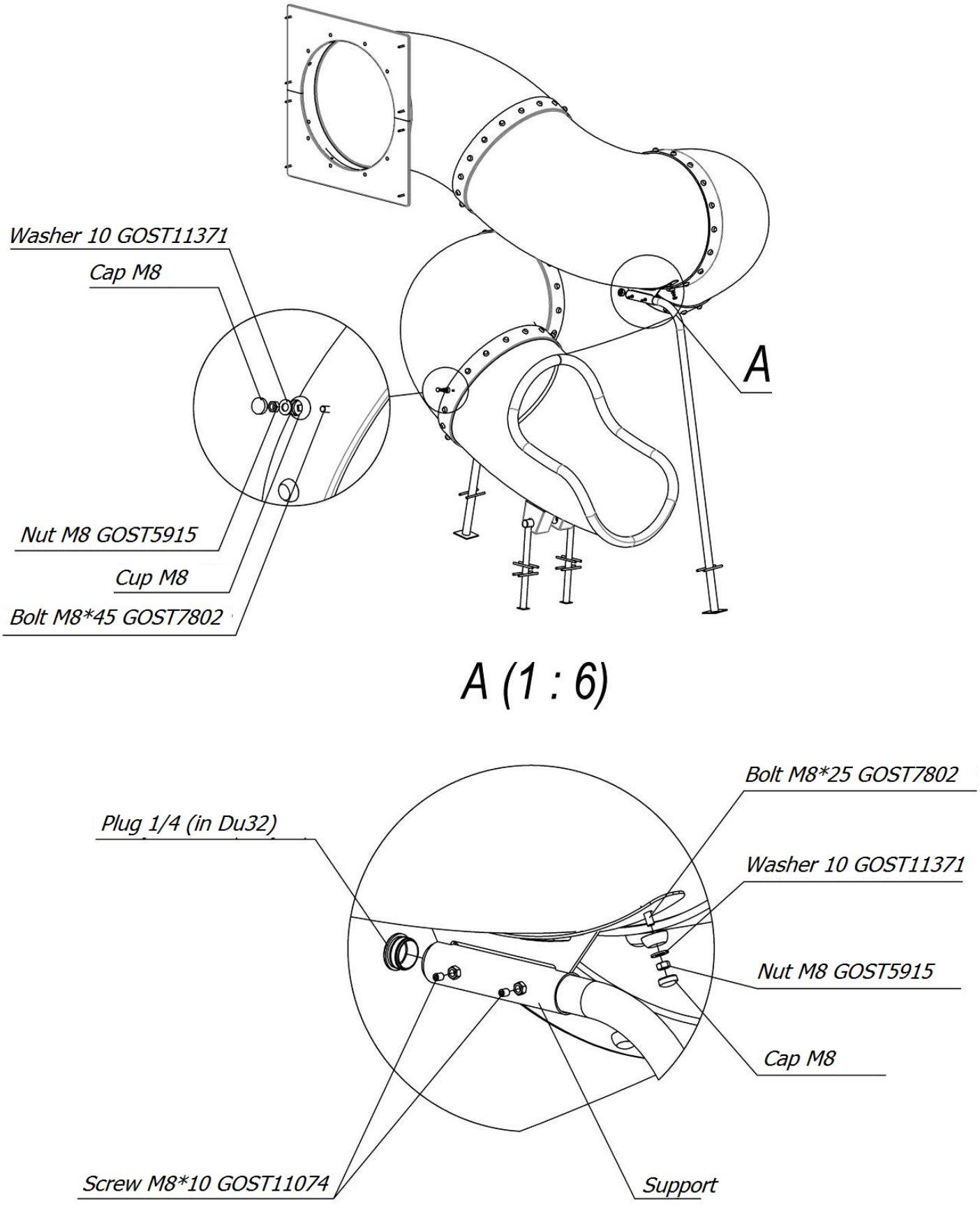
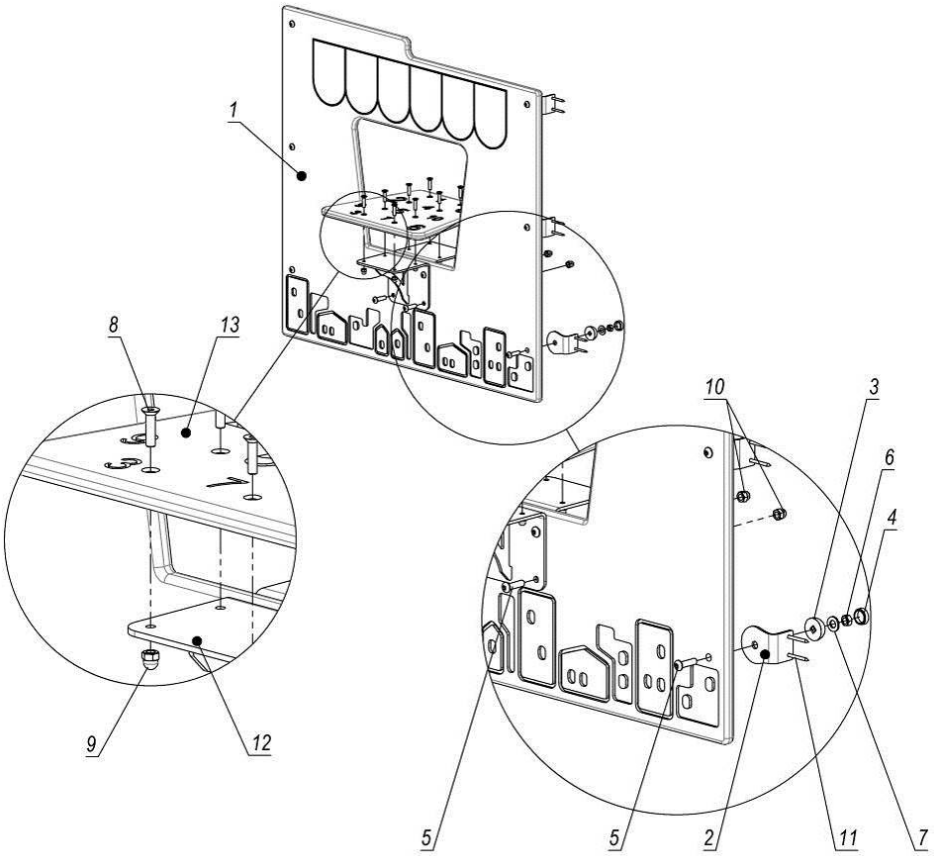
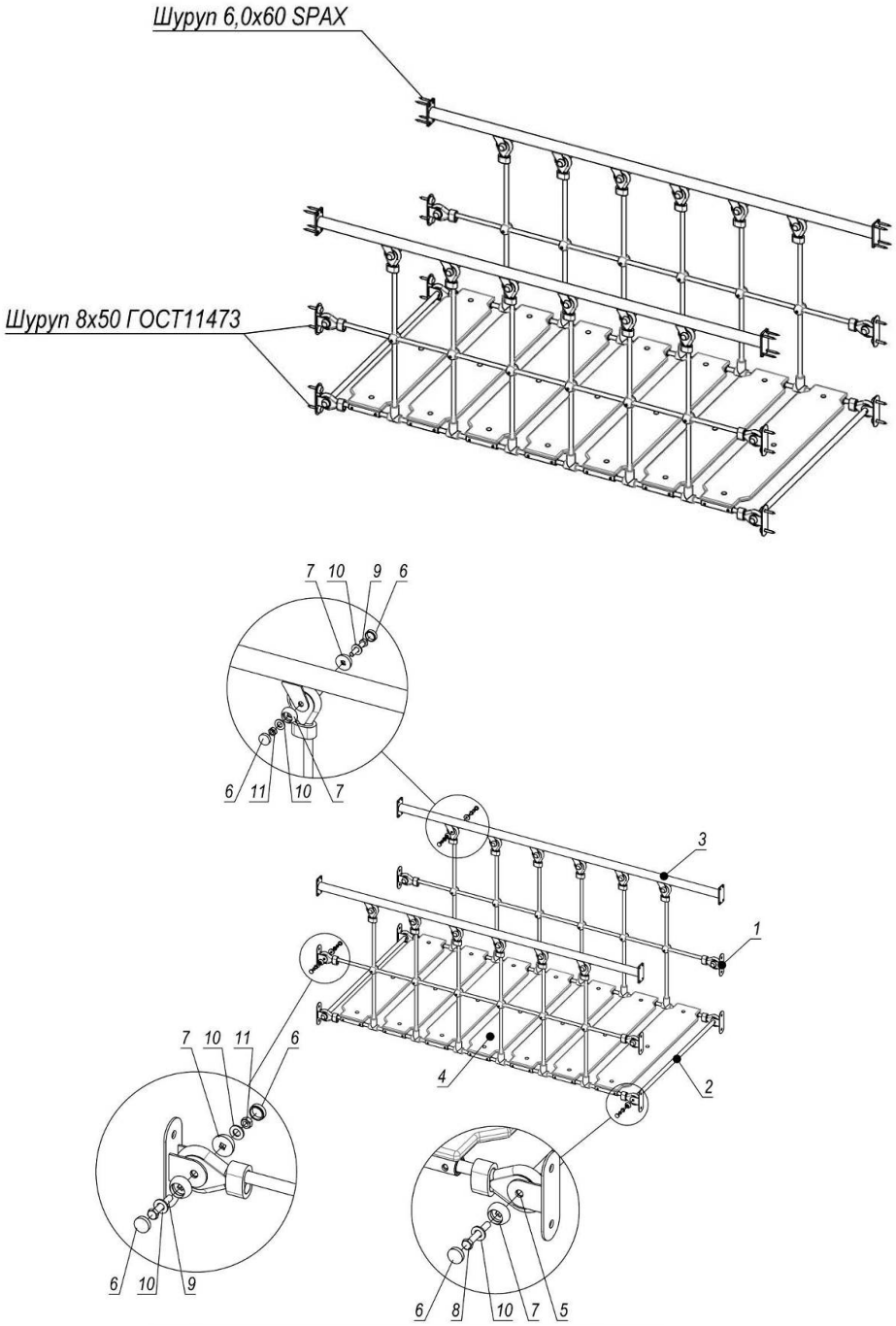



**Figure 14.1 – Slide Ukrhimplast assembly scheme. (Additionally assembly scheme in Appendix)**



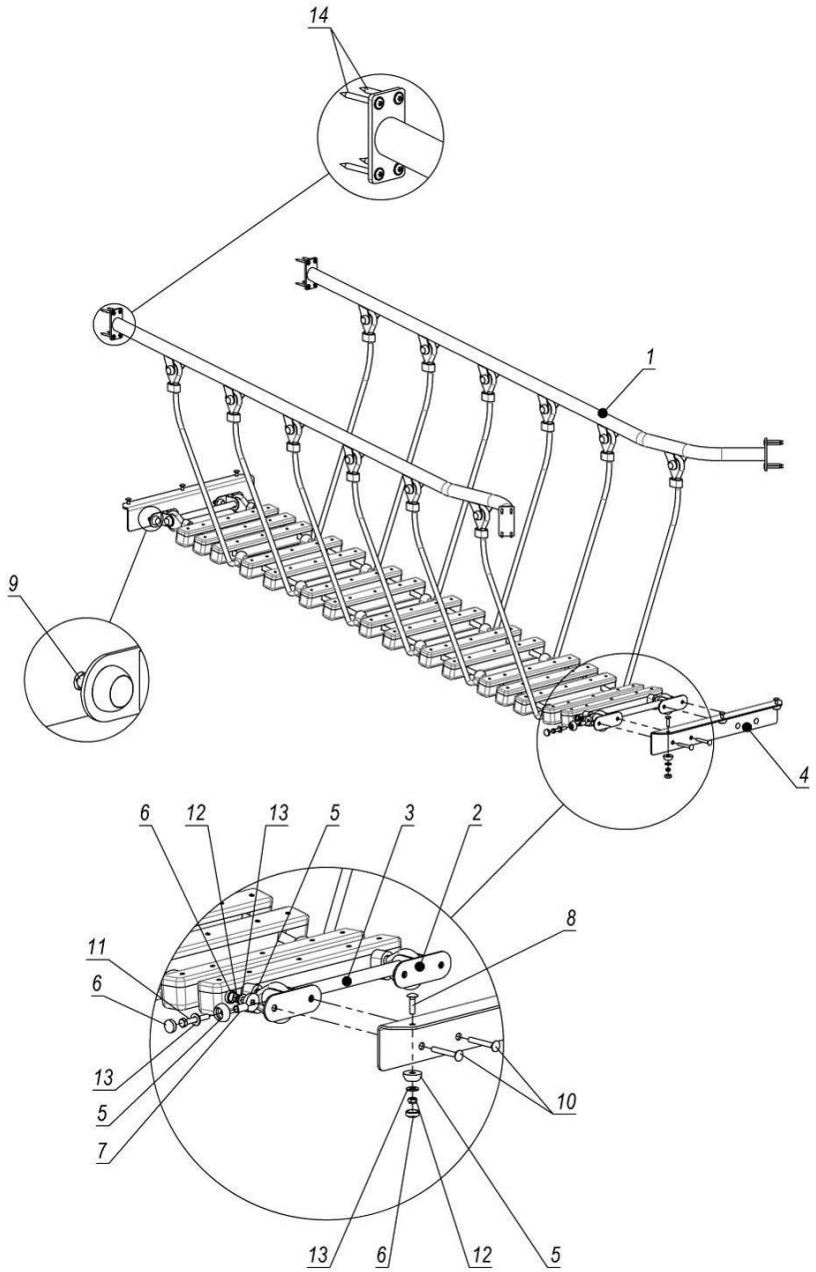

| *Pos.* | *Name* | *Weight, kg* | *Q-ty* |
|---|---|---|---|
| *1* | *Pannel "Storefront"* | *7* | *1* |
| *2* | *Corner bracket 40*60* | | *6* |
| *3* | *Cup M8* | | *6* |
| *4* | *Cap M8* | | *6* |
| *5* | *Tornillo M8*30 ISO7380* | | *10* |
| *6* | *Nut M* GOST5915* | | *6* |
| *7* | *Washer 10 GOST11371* | | *6* |
| *8* | *Tornillo M6*25 DIN 7991* | | *8* |
| *9* | *Cap washer M6 DIN1587* | | *8* |
| *10* | *Cap washer M8 DIN1587* | | *4* |
| *11* | *Screw bolt 4*40 GOST1145* | | *12* |
| *12* | *Pannel's "Storefront" angular bar* | | *2* |
| *13* | *Table with numbers* | | *1* |

**Figure 15 – Pannel "Storefront" assembly scheme (Fixing other panels is identical)**



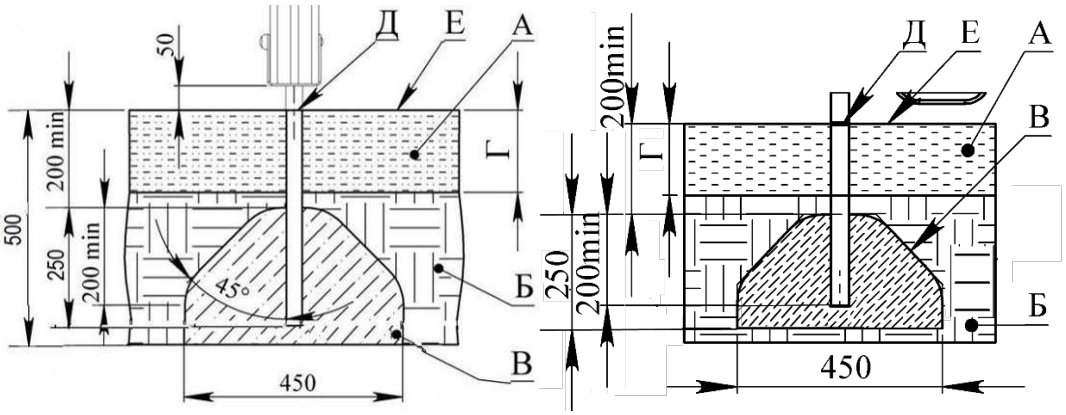

| Pos. | Name | Weight, kg | Q-ty |
|---|---|---|---|
| 1 | Rope's bracket | | 8 |
| 2 | Tie-stopper (Dy15) | | 2 |
| 3 | Rail | 6 | 2 |
| 4 | Direct monkey bridge's grid | 40 | 1 |
| 5 | Tube d12*1,5 GOST 10704, L=22mm | | 20 |
| 6 | Cap M8 | | 36 |
| 7 | Cup M8 | | 36 |
| 8 | Bolt M8*55 GOST 7798 | | 4 |
| 9 | Bolt M8*45 GOST 7798 | | 16 |
| 10 | Washer 10 GOST11371 | | 36 |
| 11 | Nut M8 GOST5915 | | 16 |

**Figure 16 – Straight Monkey Bridge assembly scheme**




| *Pos.* | *Name* | *Weight, kg* | *Q-ty* |
|---|---|---|---|
| *1* | *Corner rope bridge 0,95*1,9* | *33* | *1* |
| *2* | *Bracket* | | *4* |
| *3* | *Tie-stopper Dy15* | | *2* |
| *4* | *Fastening flange 580mm* | *2* | *2* |
| *5* | *Cup M8* | | *18* |
| *6* | *Cap M8* | | *18* |
| *7* | *Tube d12*1,5 GOST 10704, L=22mm* | | *6* |
| *8* | *Bolt M8*30 GOST7802* | | *6* |
| *9* | *Bolt M8*45 GOST7802* | | *4* |
| *10* | *Bolt M8*60 GOST7802* | | *4* |
| *11* | *Bolt M8*55 GOST7798* | | *4* |
| *12* | *Nut M8 DIN985* | | *14* |
| *13* | *Washer 10 GOST11371* | | *18* |
| *14* | *Screw bolt 6,0*60 SPAX T-STAR plus (universal)* | | *16* |

**Figure 17 – Corner rope bridge's assembly scheme**




For bars supports and other elements

For the slides of the complex

А - shock absorbing coating
Б - soil
В - concrete
Г - depth of impact-absorbing coating
Д - product level plane
Е - playing surface
Й - thread

**Examples of shock absorbing coating**

| Material [1] | Description | Minimum 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 |
| Other materials[3] | Characteristics of the test material | | Critical height of fall obtained during tests |

1. Materials specially prepared for playgrounds.
2. No clay inclusions.
3. Grain size is obtained by sieving through a sieve according to DSTU EN933-1.

**Figure 18 - Concrete scheme**

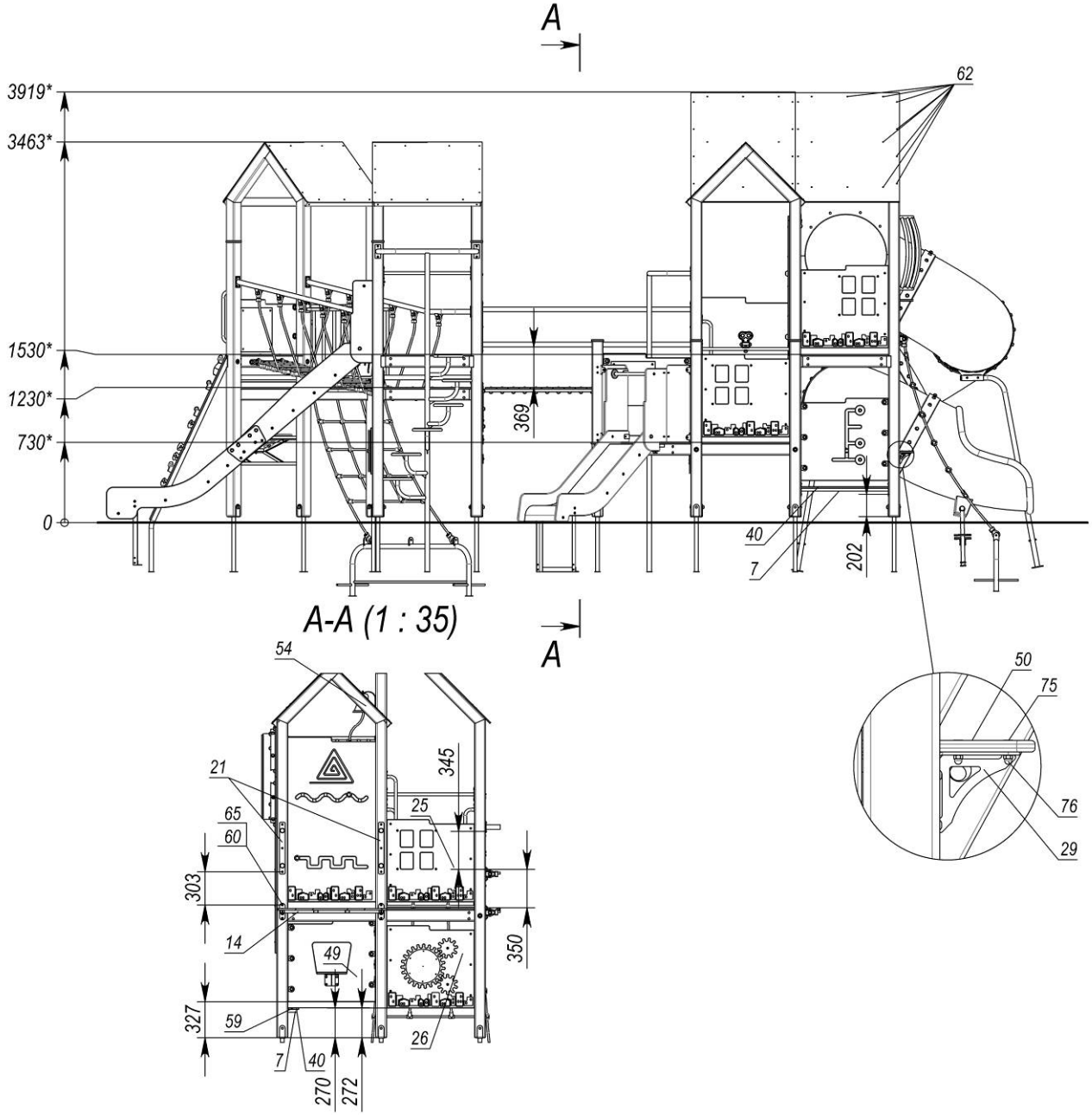

A
3919*
3463*
1530*
1230*
730*
0
369
62
40
7
202
A-A (1 : 35)
A
54
21
65
60
303
14
327
59
49
7
40
270
272
345
25
350
26
50
75
76
29

**Figure 19**

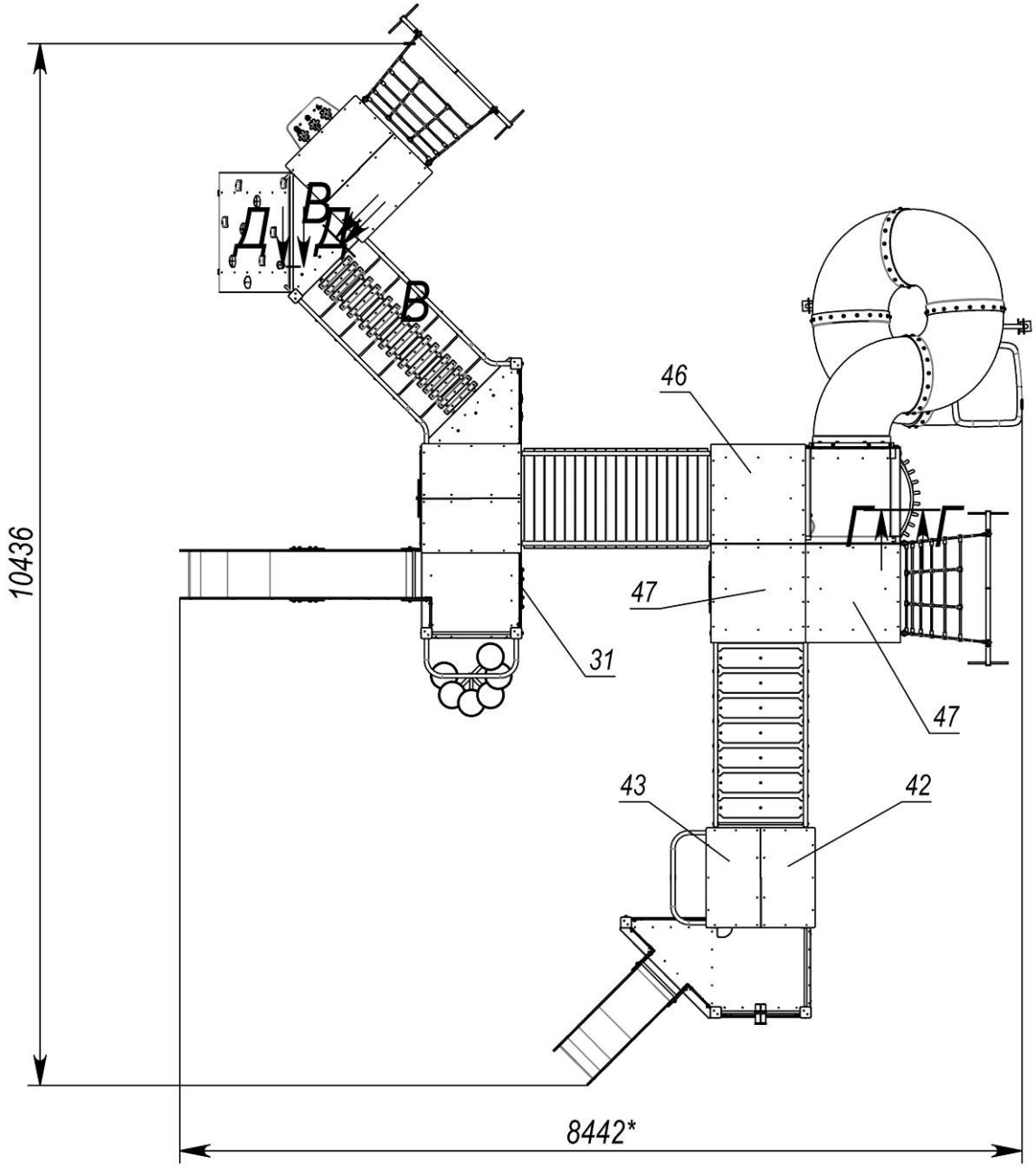
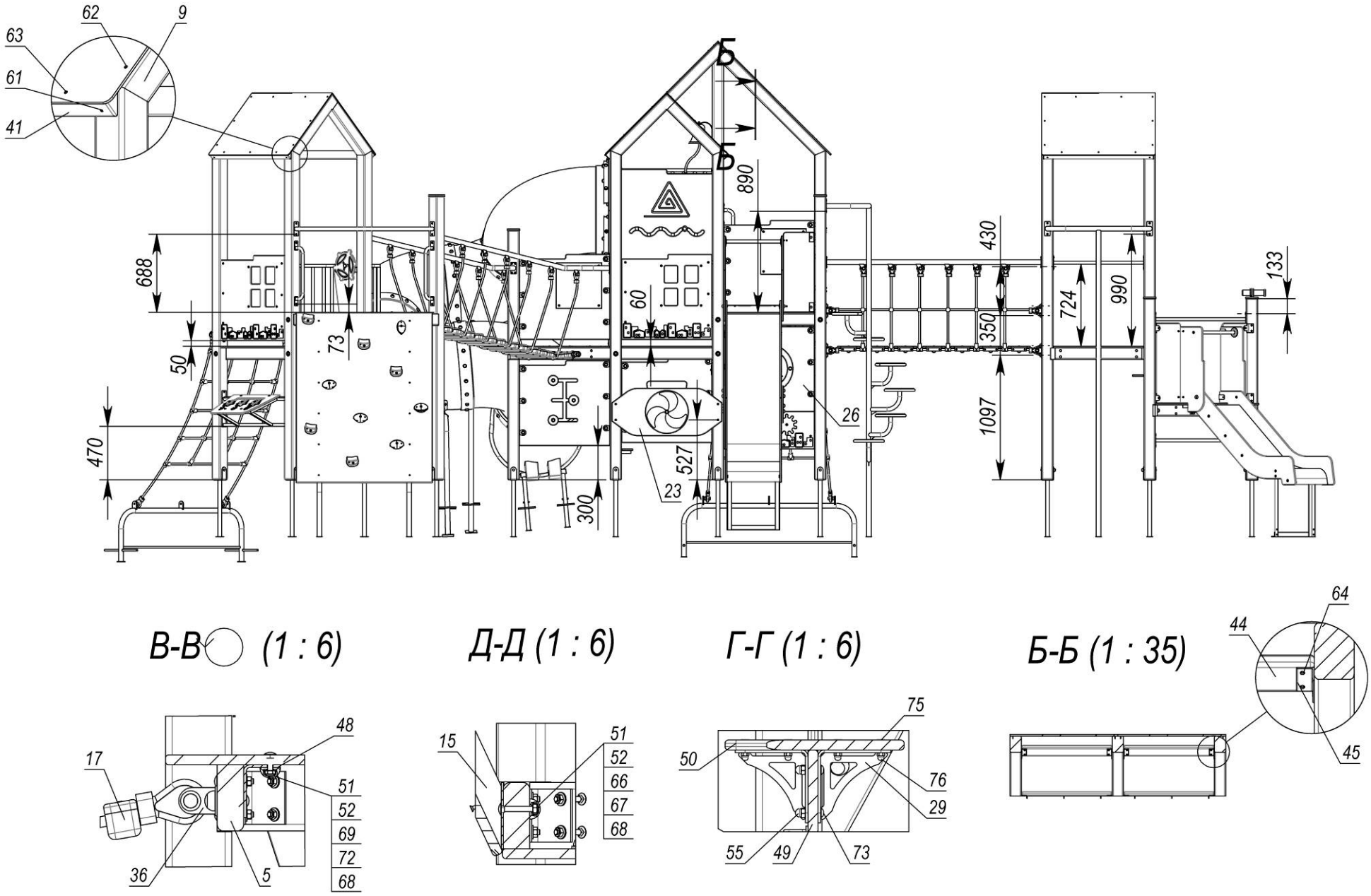



**Figure 20**




*Неуказанные крепления шуруп поз. 60*

**Figure 21**

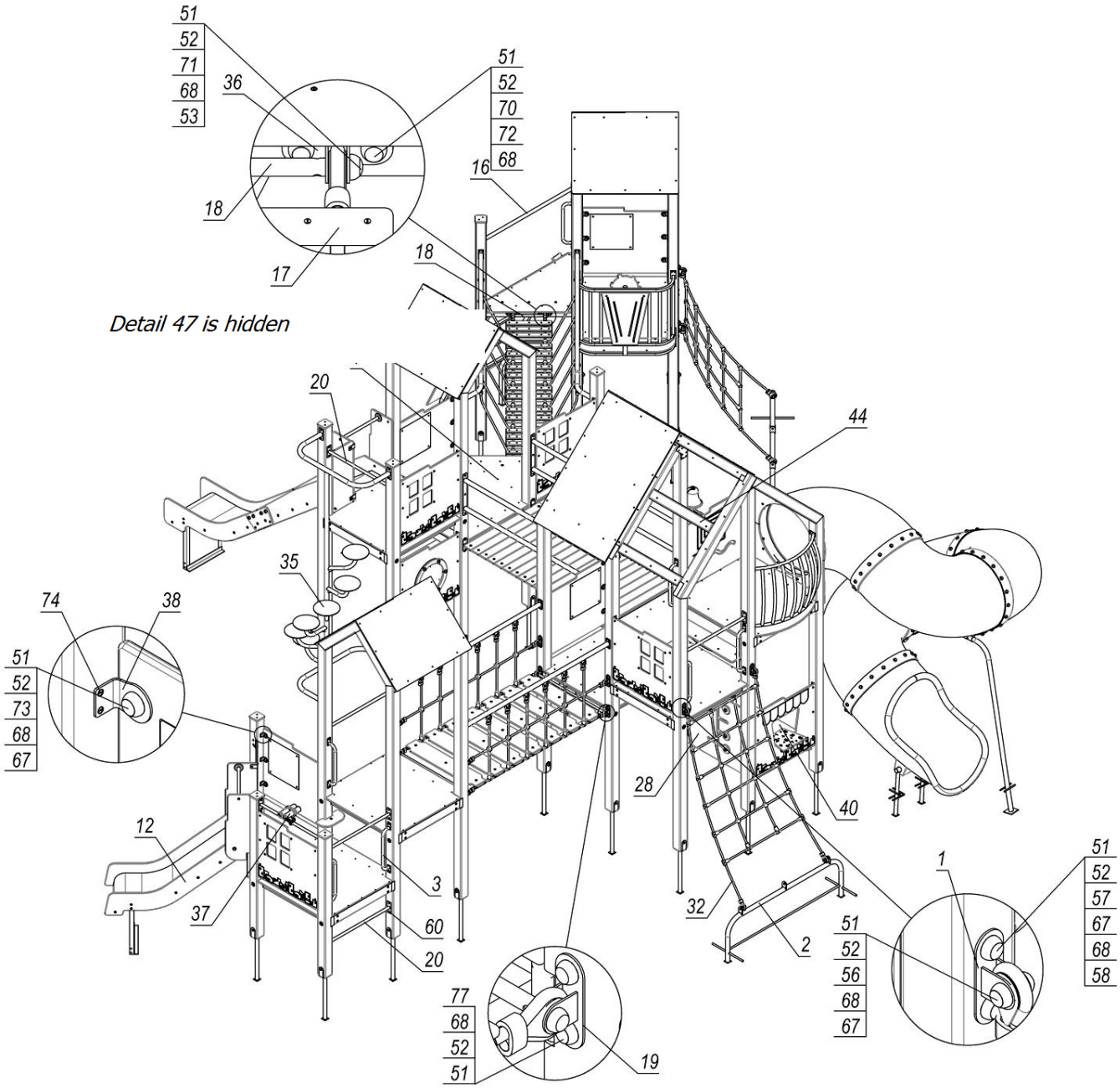

51
52
71
68
53
36
18
17
51
52
70
72
68
16
18
Detail 47 is hidden
20
44
35
74
38
51
52
73
68
67
28
40
12
3
37
60
20
32
2
1
51
52
57
67
68
58
51
52
56
68
67
77
68
52
51
19

**Figure 22**

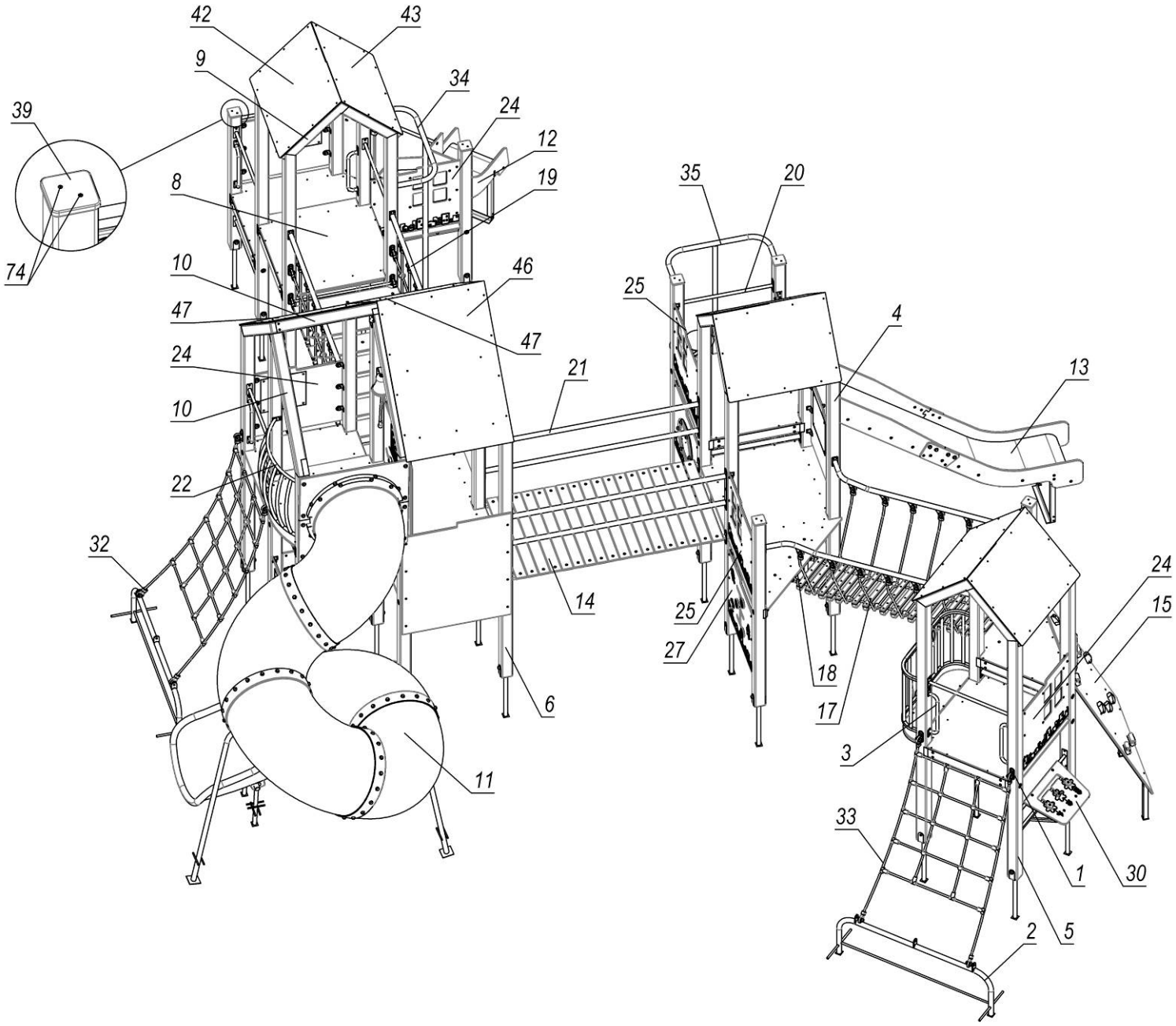
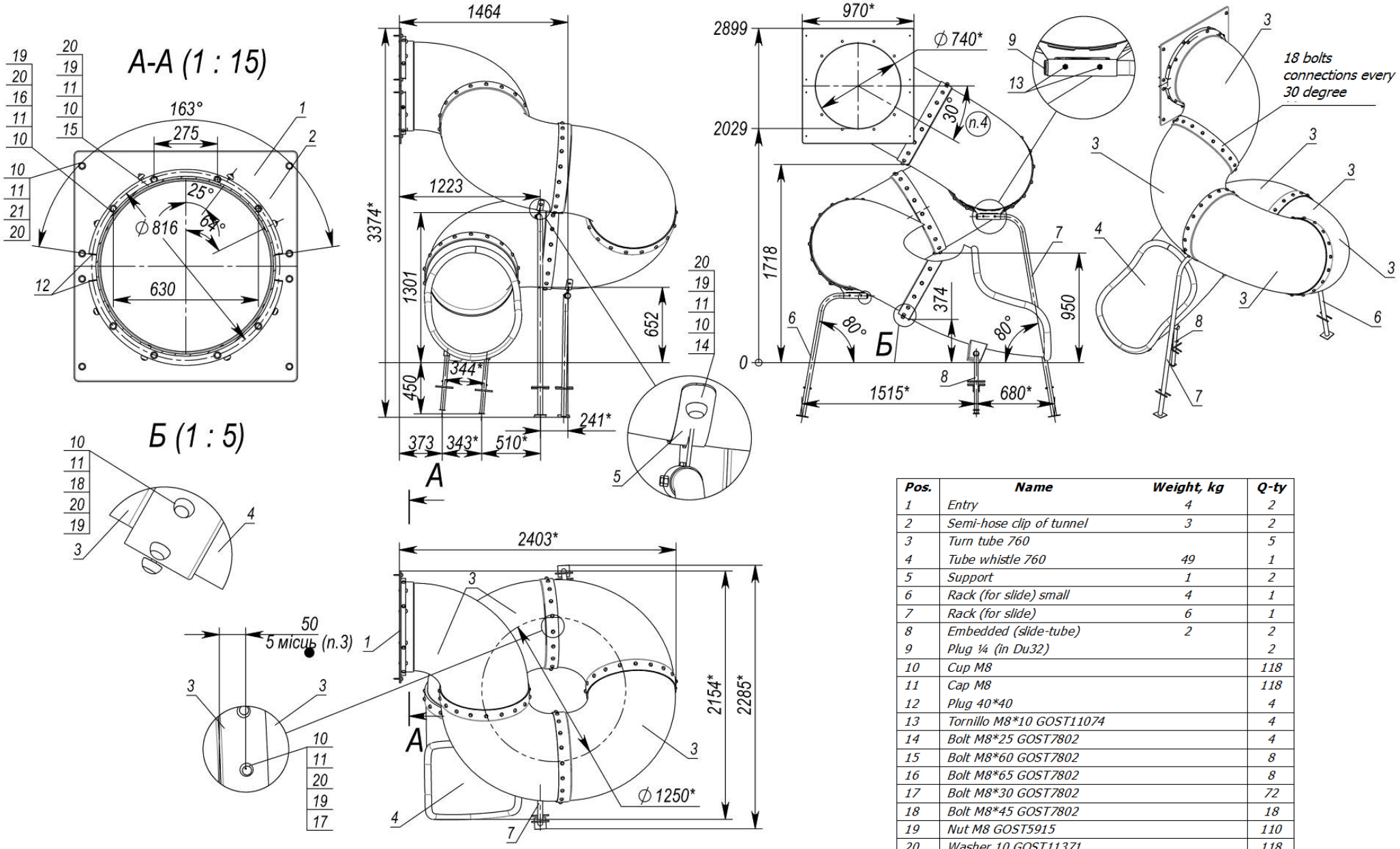

42
43
9
34
24
12
39
19
8
35
20
74
10
46
25
47
47
4
24
21
13
10
22
32
14
24
25
15
27
18
6
17
3
11
33
1
30
5
2

**Figure 23**

| Pos. | Name | Weight, kg | Q-ty |
|---|---|---|---|
| 1 | Rope's bracket | | 4 |
| 2 | Embedded for rope climb | 10 | 2 |
| 3 | Handle | | 9 |
| 4 | Triple Tower 1,2-1,2-1,5m | 175 | 1 |
| 5 | Corner Double Tower (1,2-1,5m) | 127 | 1 |
| 6 | Big Tower (1,2-2m) | 288 | 1 |
| 7 | Stair support | 2 | 1 |
| 8 | Triple Tower 0,7-0,7-1,2m | 159 | 1 |
| 9 | Roof | 19 | 3 |
| 10 | Roof 2*2m (basis) | 56 | 1 |
| 11 | Slide Ukrhimplast (2m) | 200 | 1 |
| 12 | Slide 0,7 m | 41 | 1 |
| 13 | Slide 1,5 m | 60 | 1 |
| 14 | Direct bridge | 39 | 1 |
| 15 | Side Climb of rock-climber 1,5m | 49 | 1 |
| 16 | Corner tie (1,2m) | 3 | 1 |
| 17 | Corner monkey bridge 0,95*1,9 | 33 | 1 |
| 18 | Tie-stopper | | 2 |
| 19 | Direct monkey bridge | 57 | 1 |
| 20 | Tie 0,8m | 1 | 6 |
| 21 | Direct rails | 12 | 2 |
| 22 | Arcade balcony (0,9m) | 11 | 1 |
| 23 | Pannel "Illusion" | | 1 |
| 24 | Pannel with windows | 8 | 4 |
| 25 | Pannel with windows | 8 | 4 |
| 26 | Pannel "Gears" (0,75m) | 12 | 1 |
| 27 | Pannel "Puzzle" (0,75m) | 8 | 1 |
| 28 | Pannel "Sweets" (0,75m) | 8 | 1 |
| 29 | Angle bar of storefront | | 2 |
| 30 | Game console (0,8m) | 9 | 1 |
| 31 | Vertical labyrinth | 10 | 1 |
| 32 | Rope stairway 1,5m | 5 | 1 |
| 33 | Rope stairway 1,2m | 5 | 1 |
| 34 | Barge pole 1,2m | 12 | 1 |
| 35 | Screw stairway 1,5m | 30 | 1 |
| 36 | Bracket under the bucket | | 4 |
| 37 | Binocular | 3 | 1 |
| 38 | Corner bracket 40*60 | | 78 |
| 39 | Cap for the bar | | 7 |
| 40 | Bench (0,8m) | 2 | 1 |
| 41 | Block 970mm | | 6 |
| 42 | Roof slope (775*1000) | 5 | 3 |
| 43 | Roof slope (775*1000) | 5 | 3 |
| 44 | Support | 2 | 6 |
| 45 | Angle bar 80mm | | 12 |
| 46 | Roof slope (950*1400) | 14 | 1 |
| 47 | Roof slope (950*1400) | 14 | 2 |
| 48 | Fastening flange (580mm) | 2 | 2 |
| 49 | Pannel "Storefront" (0,75m) | 7 | 1 |
| 50 | Table with numbers | | 1 |
| 51 | Cap M8 | | 138 |
| 52 | Cup M8 | | 138 |
| 53 | Tube d12*1,5 GOST10704, L=22mm | | 14 |
| 54 | Bell (KBT) | | 1 |
| 55 | Cap nut M8 DIN 1587 | | 4 |
| 56 | Bolt M8*45 GOST 7798 | | 8 |
| 57 | Bolt M8*120 GOST 7802 | | 8 |
| 58 | Washer 12 GOST 6958 | | 8 |
| 59 | Screw bolt with drill 4.8*32 DIN7504P | | 4 |
| 60 | Screw bolt 6,0*60 SPAX T-STAR plus | | 150 |
| 61 | Screw bolt 4*60 GOST 1145 | | 12 |
| 62 | Screw bolt 4*40 GOST 1144 | | 96 |
| 63 | Screw bolt 4*30 GOST 1144 | | 18 |
| 64 | Screw bolt 6*36 GOST 1145 | | 48 |
| 65 | Washer 8 GOST 11371 | | 8 |
| 66 | Bolt M8*55 GOST 7802 | | 2 |
| 67 | Nut M8 GOST 5915 | | 96 |
| 68 | Washer 10 GOST 11371 | | 138 |
| 69 | Bolt M8*30 GOST 7802 | | 6 |
| 70 | Bolt M8*60 GOST 7802 | | 8 |
| 71 | Bolt M8*55 GOST 7798 | | 4 |
| 72 | Nut M8 DIN985 | | 14 |
| 73 | Tornillo M6*25 DIN 7991 | | 82 |
| 74 | Screw bolt 4*40 GOST 1145 | | 170 |
| 75 | Tornillo M6*25 DIN 7991 | | 8 |
| 76 | Cap nut M6 DIN 1587 | | 8 |
| 77 | Screw bolt 8*50 GOST 11473 | | 16 |
| 78 | Balcony (0,9m) plastic | 22 | 1 |
| 79 | Pannel for painting (1*1,25) | 13 | 1 |

**Figure 24**
**Slide Ukrhimplast assenbly scheme**




| Pos. | Name | Weight, kg | Q-ty |
|---|---|---|---|
| 1 | Entry | 4 | 2 |
| 2 | Semi-hose clip of tunnel | 3 | 2 |
| 3 | Turn tube 760 | | 5 |
| 4 | Tube whistle 760 | 49 | 1 |
| 5 | Support | 1 | 2 |
| 6 | Rack (for slide) small | 4 | 1 |
| 7 | Rack (for slide) | 6 | 1 |
| 8 | Embedded (slide-tube) | 2 | 2 |
| 9 | Plug ¼ (in Du32) | | 2 |
| 10 | Cup M8 | | 118 |
| 11 | Cap M8 | | 118 |
| 12 | Plug 40*40 | | 4 |
| 13 | Tornillo M8*10 GOST11074 | | 4 |
| 14 | Bolt M8*25 GOST7802 | | 4 |
| 15 | Bolt M8*60 GOST7802 | | 8 |
| 16 | Bolt M8*65 GOST7802 | | 8 |
| 17 | Bolt M8*30 GOST7802 | | 72 |
| 18 | Bolt M8*45 GOST7802 | | 18 |
| 19 | Nut M8 GOST5915 | | 110 |
| 20 | Washer 10 GOST11371 | | 118 |
| 21 | Screw 8*70 GOST11473 | | 8 |

*1. For bolts M8, for connection of plastic tubes, for connection of the tube holders, and for assemble of entry with tube, all holes must be 10 mm in diametr.*
*2. Slide assemle like spiral, each tube must be turned by horizontal on 30 degree.*

**Figure 25**