

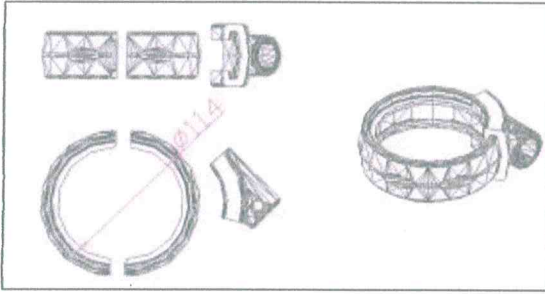
IP-401 GAME GROUP TECHNICAL SPECIFICATION

CARRIER CONSTRUCTION

it will be formed from SDM pipe with a diameter of 114 mm and a wall thickness of 2.5mm. horizontal and vertical pipes with a length of 2500 mm and greater will be connected by welding with a special insertion system in such a way that they form right angles to each other. The upper parts of these pipes will be closed with plastic plugs fixed with at least two hemispherical aluminum rivets shaped by injection method in order to prevent water, moisture and foreign substances from entering them. Vertical and horizontal pipes with a diameter of 114 mm will be connected in such a way that they form a right angle to each other. The lower parts of the pipes forming the carrier construction will be joined by welding method with a sheet flange with a minimum size of 150x150x5mm. The pipes will be subjected to sandblasting Process.

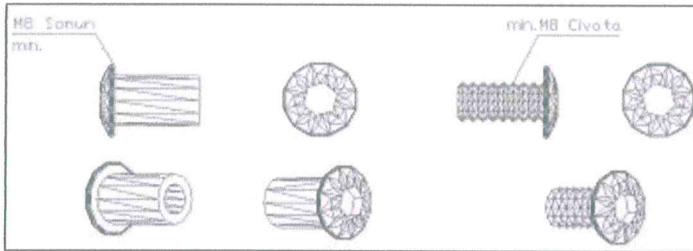
ELECTROSTATIC PAINT All metal parts whose production has been completed should be rinsed by leaving them in a degreasing bath with a 5% concentration at 70 °c for 10 minutes. After rinsing, metals washed with hulasa with a special alloy detergent with phosphate coating property should be subjected to SANDBLASTING process, then polyester-based static powder coating process should be performed and baked in a 200 °C oven for 20 minutes.

FASTENERS



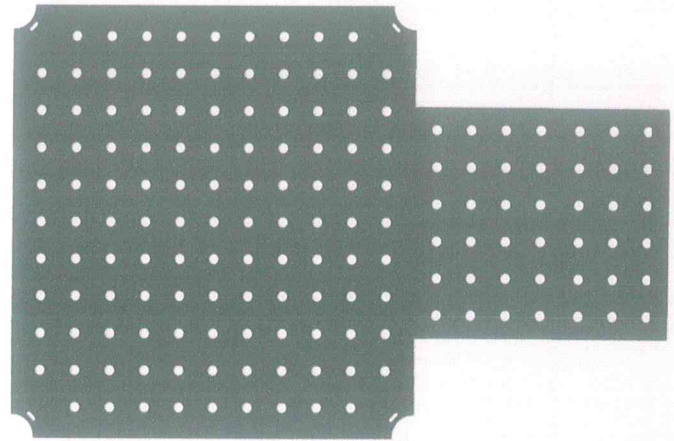
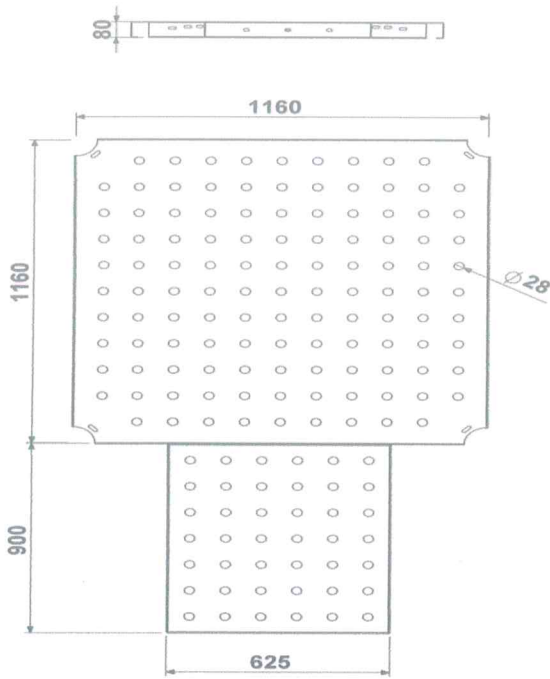
- The carrier clamps can be made based on fiber polyernide (nylon 66) made by injection method or by connecting the platform directly to the carrier system. All fasteners should be disassembled and removed.
- Entry barrier cuffs made by the method of injection should be based polyamide.
- H beam connections; polyamide, made by injection method should be based. Connection diameter min. 32mm. Diameter pipes must be complied with. The mounting clamp is used in all nuts, bolts and washers min. Nut M8 Bolt M8 should be according to the layout.

BOLTS, NUTS AND WASHERS



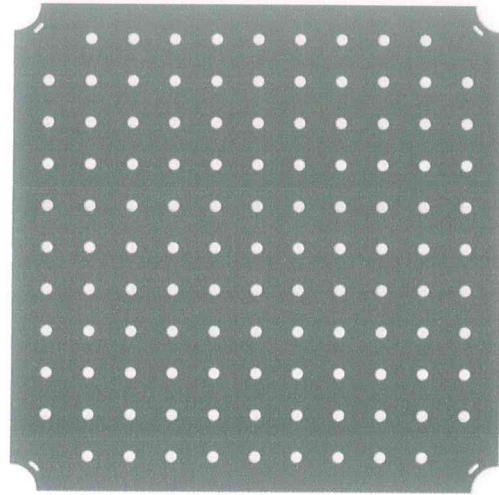
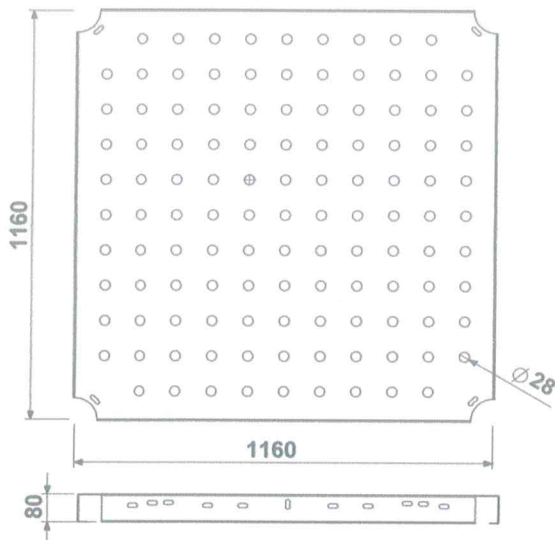
- Contact electro galvanized bolts should only be used in places that are closed with plastic lids. Exposed all bolts and nuts in the places should be dachromate coated.

116x116 cm PLATFORM WITH SPIRAL EXTENSION



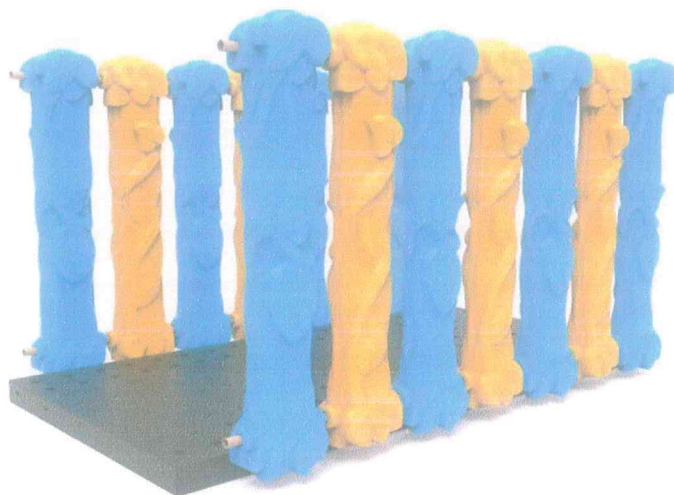
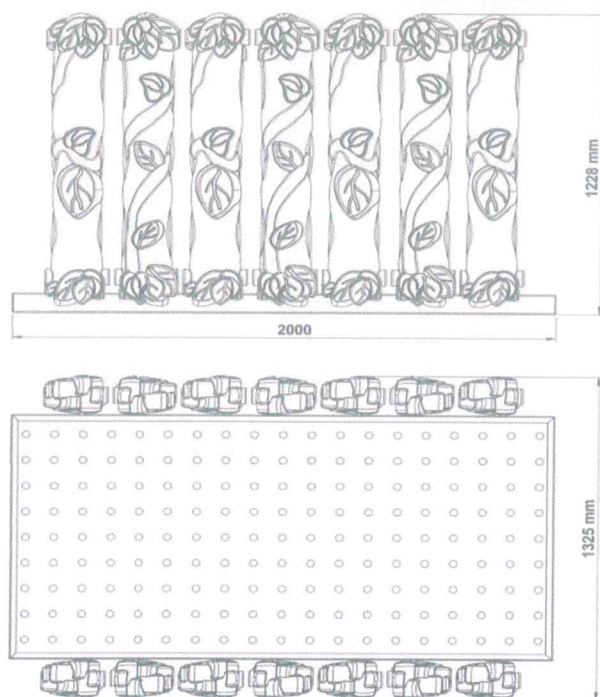
- ❖ The Min. the dimensions of the platform, which will be formed by attaching a 2 mm wall thickness sheet metal with frequent points to the carcass made of 20x40x1.5 mm box profiles, will be 116x206 cm. The connection holes of the platform will be opened in advance.
- ❖ The upper surface of this platform will be coated with PVC (Plastisol) with -60 \pm 5 shore A hardness, 1 gr/cm³ density, at least 90 kgf/cm² breaking strength, 650-700% break elongation and 100 m³ (max) abrasion property by HOT DIPPING METHOD with anti static material mixture.
- ❖ The PVC thickness will be at least 1 mm at each point. A. These platforms will be connected by clamping by means of galvanized bolts and nuts on special cut flanges existing in the carrier construction (attached at the manufacturing stage).

116X116 cm PLATFORM



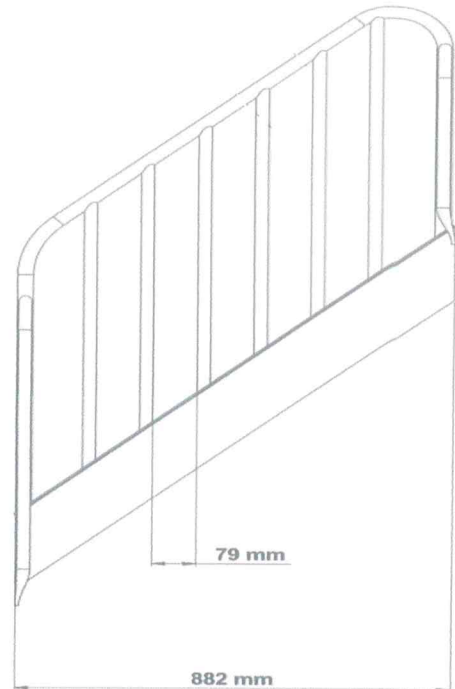
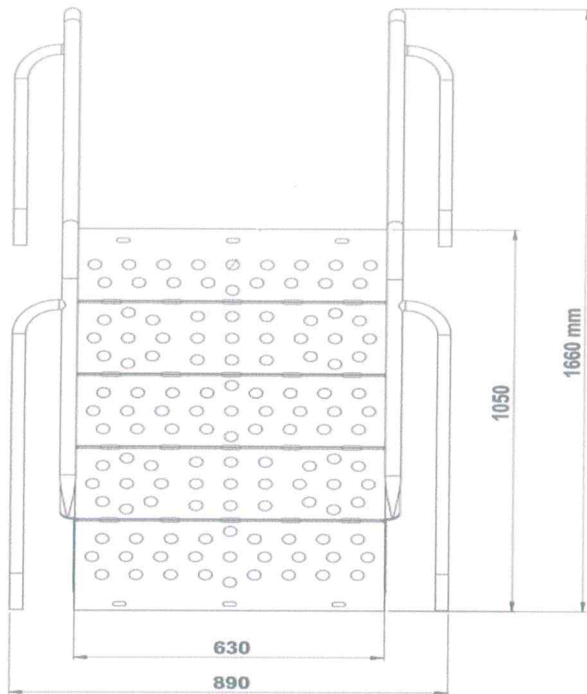
- ❖ A Minimum of 20x40x1.5 mm on the carcass made of box profiles, the dimensions of the platform, which will be formed by attaching a 2 mm wall thickness sheet metal with frequent points, will be 116x116 cm. The connection holes of the platform will be opened in advance. Number 6 is thrown under the platform and support the platform to take the measurements will be 8 cm.
- ❖ The upper surface of this platform will be coated with PVC (Plastisol) with -60 \pm 5 shore A hardness, 1 gr/cm³ density, at least kg/cm² breaking strength, 650-700% break elongation and 100 m³ (max) abrasion property by HOT DIPPING METHOD with anti static material mixture.
- ❖ The PVC thickness will be at least 1 mm at each point. These platforms will be connected by clamping by means of galvanized bolts and nuts on special cut ears existing in the carrier construction (attached at the manufacturing stage).

FLAT BRIDGE WITH 200 cm FENCE FIGURE



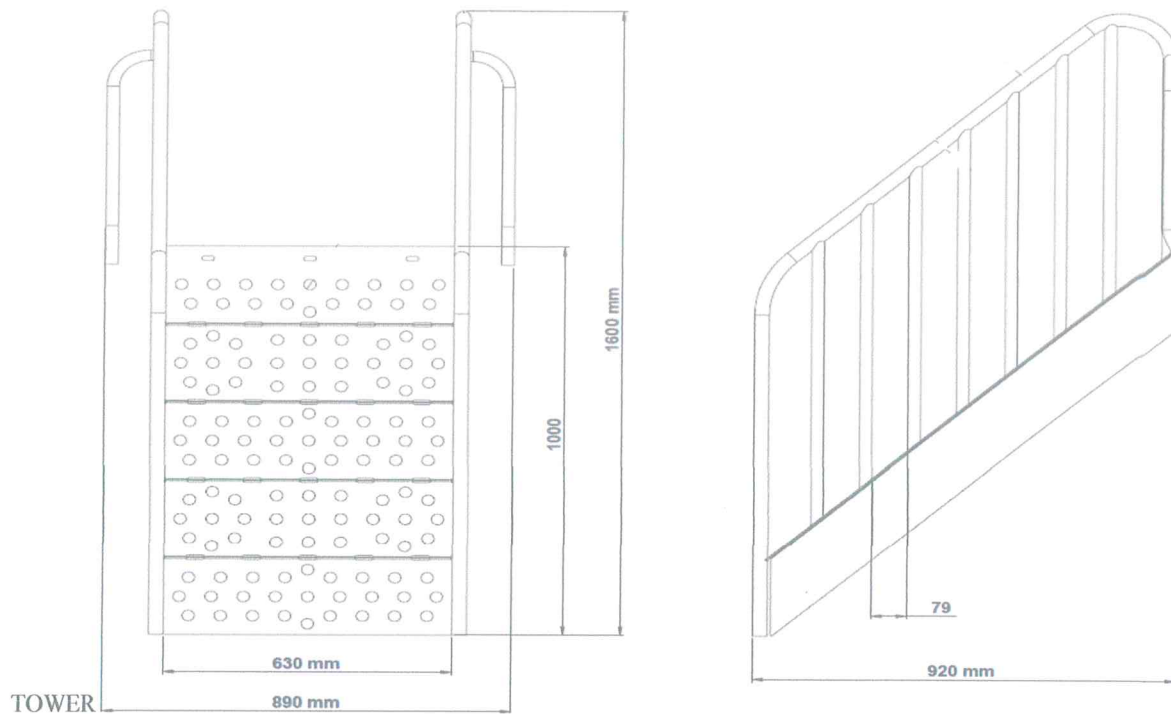
- ❖ A Minimum of 20x40x1.5 mm on the carcass made of box profiles, the dimensions of the flat bridge to be formed by attaching 2 mm wall thickness sheet metal with frequent points will be 200x116 cm. The connection holes of the flat bridge will be opened in advance. The dimensions of the flat bridge will be 8 cm.
- ❖ The upper surface of this platform will be coated with PVC (Plastisol) with -60 \pm 5 shore A hardness, 1 gr/cm³ density, at least kg/cm² breaking strength, 650-700% break elongation and 100 m³ (max) abrasion property by HOT DIPPING METHOD with anti static material mixture.
- ❖ The PVC thickness will be at least 1 mm at each point. Each bridge railing should be designed to be mounted in relation to each other and thus a strong structure should be created.
- ❖ The Bridge Bridge railings will be fixed to the main structure with the help of 186 cm galvanized pipe and clamp system with a diameter of \varnothing 27 mm and a wall thickness of 2 mm from the upper and lower sides with the help of screws.
- ❖ During installation, all openings, tunnel or bridge dimensions (width, height) must be in accordance with international safety and security norms. Dec. The polyethylene bridge railings must be manufactured as disassembled and can be produced in the same or different colors upon request.
- ❖ Bridge railings will be manufactured from powdered self-colored LLDPE raw materials with rotation technology in such a way that they will be double-walled. The dyestuffs used in coloring will be in accordance with the children's health and food regulations.

H: 100 cm TOWER TO TOWER STAIRS AND RAILING



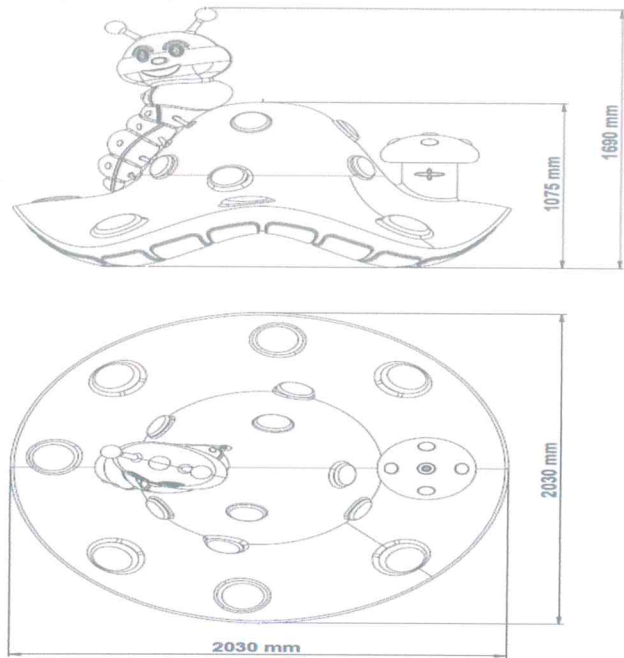
- ❖ Entry stairs from the tower to Tower 100 cm wall thickness from 2 mm DKP sheet metal will have access to elevation difference as shall be manufactured as a single piece.
- ❖ The minimum height of the entry stairs of the digits is 13 cm, up to 20 cm will be. Stair railing minimum 70 cm, 85 cm height of each stair for a group of 2 pieces will be manufactured.
- ❖ The stair treads will be coated with PVC (Plastisol) BY HOT DIPPING METHOD with mixed antistatic material mixed with -60 ± 5 shore A hardness, 1 gr/cm³ density, at least kg/cm² breaking strength, 650-700% break elongation and 100 m³ (max) wear property. The PVC thickness will be at least 1 mm at each point.
- ❖ The edges of the ladder railing will be made of a minimum of 27x2.5 mm pipe, the railings will be made of a minimum of 21x2.5 mm pipe. The maximum Decoupling between the bars on the stair railing will be 85 mm.
- ❖ The stair railings will be painted with polyester-based electro-static powder coating after sandblasting.

H: 100 CM LADDER AND RAILING FROM THE GROUND TO THE



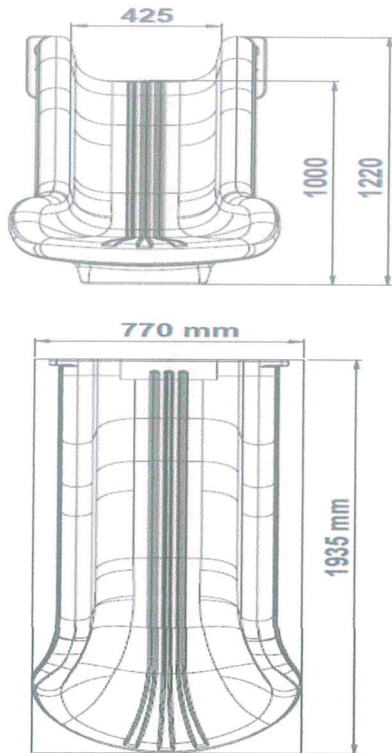
- ❖ The Access Stairs will be manufactured in one piece from dkp sheet with a wall thickness of 2 mm so that they can reach a height difference of 100 CM from the tower to the platform.
- ❖ The minimum height of the entry stairs of the digits is 13 cm, up to 20 cm will be. Stair railing minimum 70 cm, 85 cm height of each stair for a group of 2 pieces will be manufactured.
- ❖ The stair treads will be coated with PVC (Plastisol) BY HOT DIPPING METHOD with mixed antistatic material mixed with -60 ± 5 share A hardness, 1 gr/cm³ density, at least kg/cm² breaking strength, 650-700% break elongation and 100 m³ (max) wear property.
- ❖ The PVC thickness will be at least 1 mm at each point.
- ❖ The edges of the ladder railing will be made of a minimum of 27x2.5 mm pipe, the railings will be made of a minimum of 21x2.5 mm pipe.
- ❖ The maximum Decoupling between the bars on the stair railing will be 85 mm.
- ❖ The stair railings will be painted with polyester-based electro-static powder coating after sandblasting.

MUSHROOM ROOF



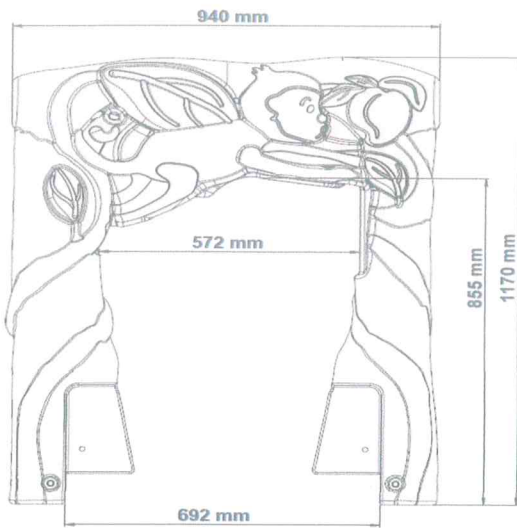
- The Rear Mushroom Roof has a diameter of 203 cm. It will be manufactured in the form of a minimum height of 169 cm and will consist of 3 parts with caterpillar and mushroom hats on it.
- The plug must be connected directly to the Ø114 pipes forming the carrier pipes of the system at the place where the cork roof is connected. A separate fastener should not be used Decoupled from time to time.
- Top Mushroom roof; It will be manufactured by rotation technology from powdered self-colored LLDPE raw material. The dyestuffs used in coloring will be in accordance with the children's health and food regulations.
- Weight Min.45 KG.

H: 100 CM FLAT SLIDE



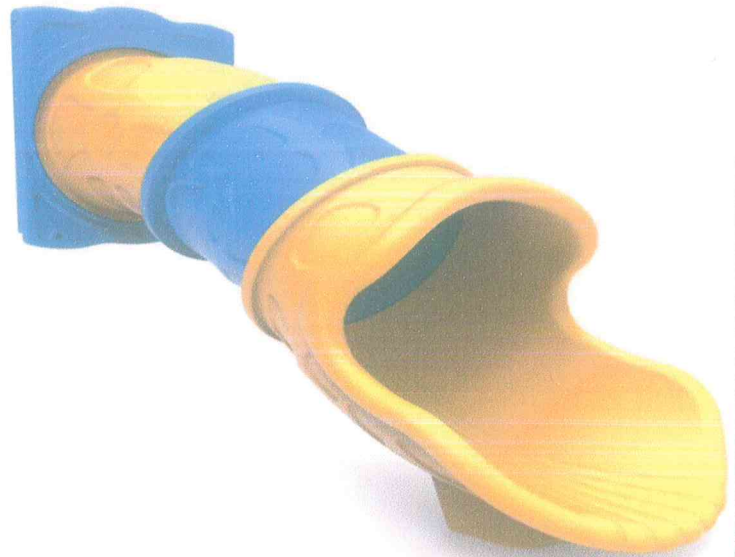
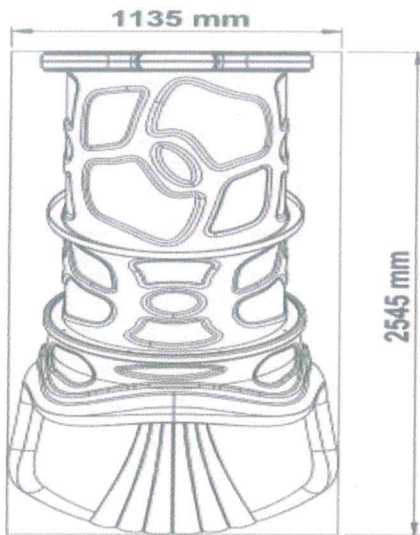
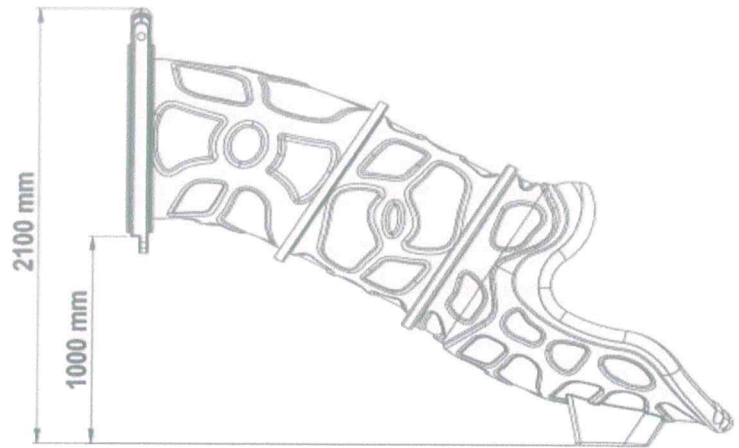
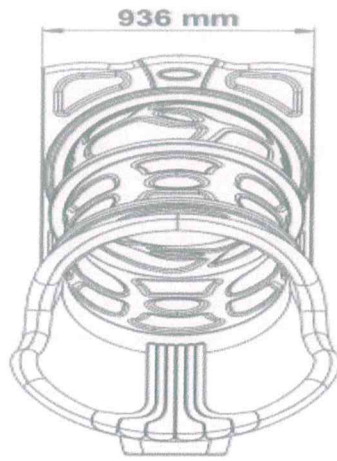
- ❖ The 100 cm. on FLAT slides connected to the platform at its height; the angle of inclination of the sliding section with the bed will be manufactured as a double-walled and single piece, so that the maximum 40° is measured according to the height axis of the slide.
- ❖ The height of the side parts of the entrance section of the straight slide will be at least 20 cm. The width of the sliding section of the Flat Slide will be at least 40 cm.
- ❖ The width of the exit section of the flat slide shall be at least 75 cm and the exit radius shall be at least 50 mm.
- ❖ The exit section of the slide will be concreted by embedding into the ground with an anchor.
- ❖ The Roller Slides will be manufactured with rotation technology from powdered self-colored LLDPE raw materials. The dyestuffs used in coloring will be in accordance with the children's health and food regulations.

FIGURES STRAIGHT SLIDE ENTRY



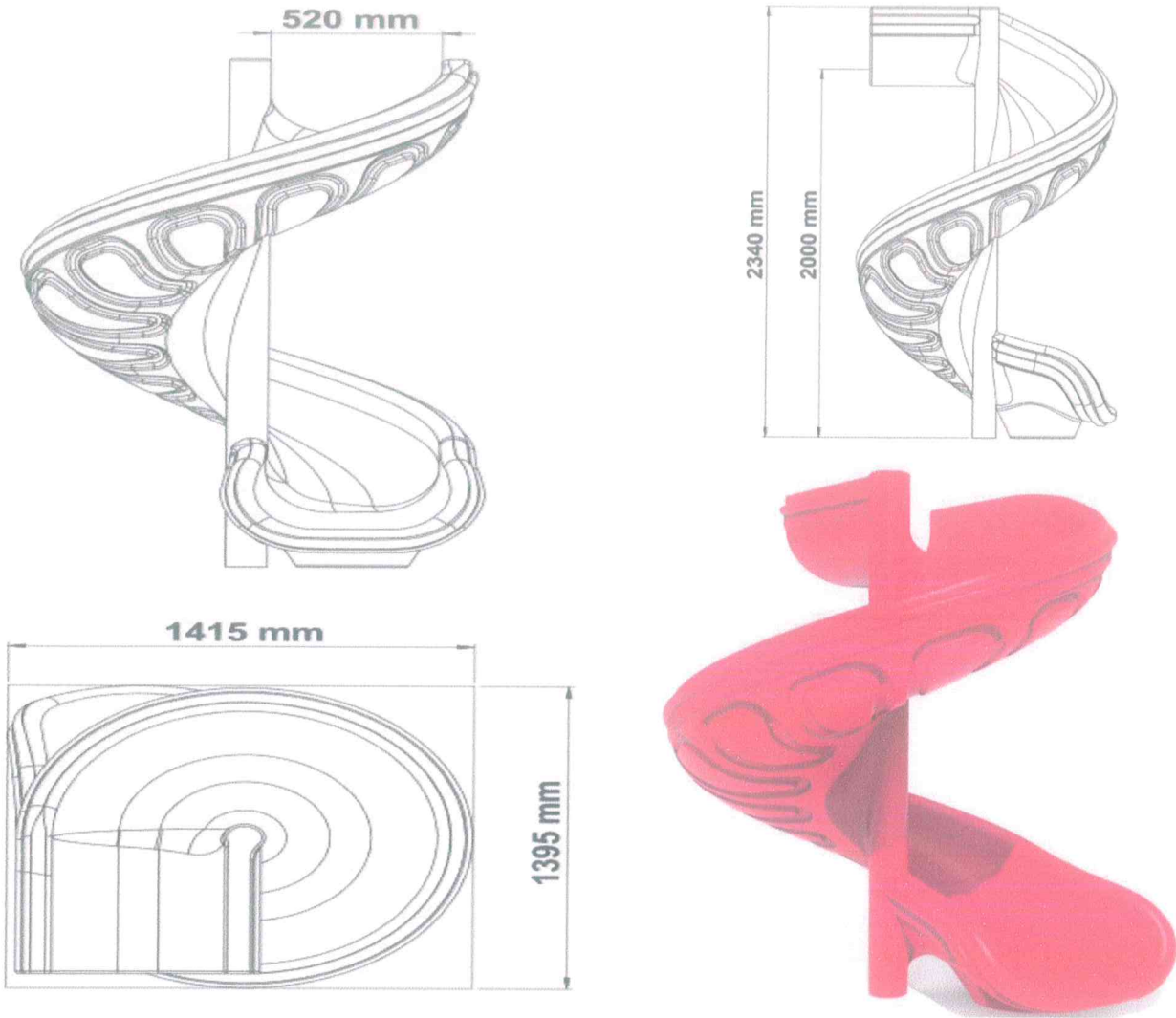
- ❖ The Flat slide entrance with a Side Figure will be manufactured with a double wall made of polyethylene, designed in one piece on the top and both sides in order to ensure the safe passage of children to the slide.
- ❖ The entrance of the Flat slide with a Side Figure has dimensions of 94x117 cm, the entrance part is min. it will be designed and manufactured with a width of 57 cm.
- ❖ It will be fixed to the main construction with the help of a 100 cm galvanized pipe and clamp system with a diameter of Ø27 mm and a wall thickness of 2 mm from the upper side of the entrance to the flat slide with the help of screws from the lower side to the platform.
- ❖ Ø27x2 mm galvanized pipe will be passed through the polyethylene entrances as a whole. pipes shorter than 100 cm will not be used.
- ❖ Polyamide-based self-colored plastic clamps shaped by injection method, through which galvanized pipe with a diameter of Ø27 mm can pass, will be used at the junction points with the slide entrance of the auxiliary pipes.
- ❖ Flat slide entrances with a Side Figure will be manufactured with rotation technology with double walls made of powdered self-colored LLDPE raw materials.
- ❖ The dyestuffs used in coloring will be in accordance with the children's health and food regulations.
- ❖ ϖ weight min.9 kg

H: 100 CM FLAT TUBE SLIDE (WITH MOUNTING)



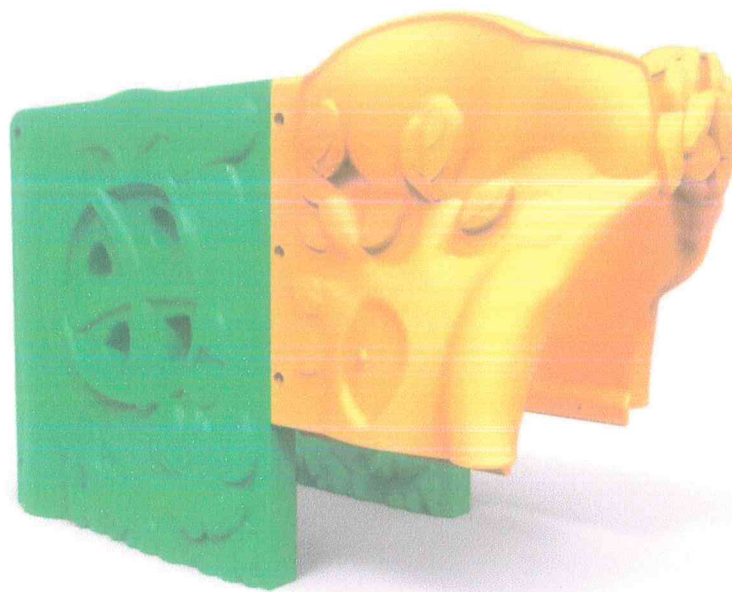
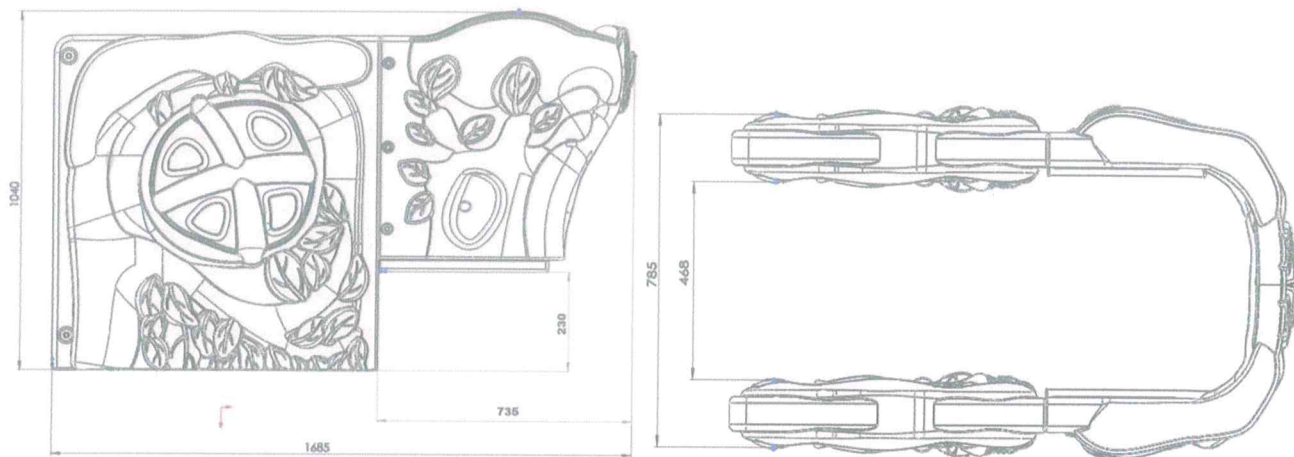
- ❖ The parts forming the Decking tube slide; The entrance panel and the tube exit part will be made of powdered self-colored LLDPE raw material with double walls, the spacers will be made with single walls with rotation technology. The dyestuffs used in coloring will be in accordance with the children's health and food regulations.
- ❖ A:H: It will be designed to descend a maximum of 40 slopes from platforms with a height of 100 (± 10 cm). It should be in accordance with the shape in the technical drawing. The inner diameter of the cylindrical slide will be 75 cm.
- ❖ A polyethylene barrier and a minimum of 145 angled elbows will be manufactured monolithic on the top of the slide to ensure the safe entry of children to the slide. The entrance railing will be 100 cm (± 10) high from the platform. An angled exit bracket will be located at the bottom to reduce the speed.
- ❖ The connection of the three parts of the inner tube slide is brought side by side and after face-to-face pressing, connection will be provided with the condition of using galvanized coating imbus bolts, nuts and washers as a result of 8 holes to be drilled on each tube part with a diameter of 10 mm. These connection nuts will be protected with plastic caps.
- ❖ There will be a metal foot connection place to be fixed to the ground at the bottom. These will be fixed by throwing concrete on the ground with metal legs according to their height.
- ❖ In order for the surface of the final product to be smooth, it is necessary that the surface of the mold made of aluminum or equivalent material has been sandblasted and manufactured by undergoing a teflon coating process for surface gloss.
- ❖ ϖ weight min. 71 KG.

H:200 SPIRAL SLIDE



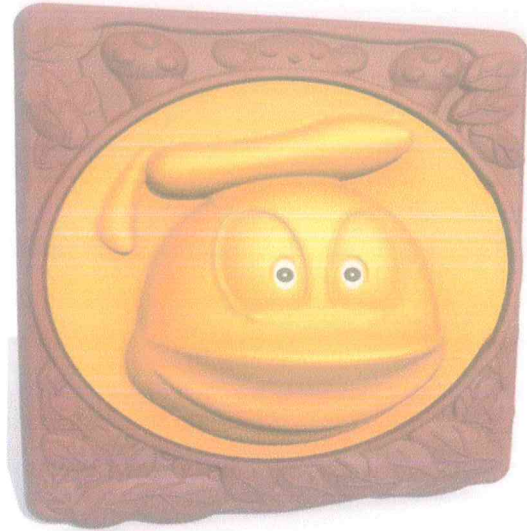
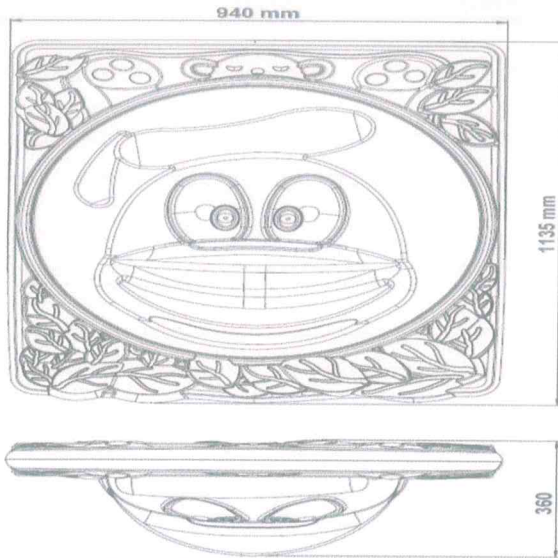
- ❖ A spiral slide at a height of 200 cm H that connects to the platform and double-walled and the input part and the output part as a single piece, it is made of 90° to the left side will be designed.
- ❖ The side portions of the input section of the current slide (depth) will be the height of at least 25 cm. Slip and slide will be at least 50 cm the width of the section.
- ❖ An output section that will cut the spiral slide right in shear rate (the plane of the slowdown) to be found in the output section and the length of the chute portion of the length of at least 55 cm, maximum 10° slope, output Radu shall be 50 mm.
- ❖ The exit section of the slide will be concreted by embedding into the ground with an anchor.
- ❖ In the middle part of the spiral slides, there will be a slot to allow the Ø89 pipe to be attached to the section in a spiral way.
- ❖ The Roller Slides will be manufactured with rotation technology from powdered self-colored LLDPE raw materials. The dyestuffs used in coloring will be in accordance with the children's health and food regulations. article
- ❖ TS EN 1176-3/ 04.02.2010 It is mandatory to have the expression 'SPIRAL SLIDE' within the Scope of the Document.
- ❖ ⚖ weight min.50 KG.

SPIRAL SLIDE ENTRANCE AND DASHBOARD



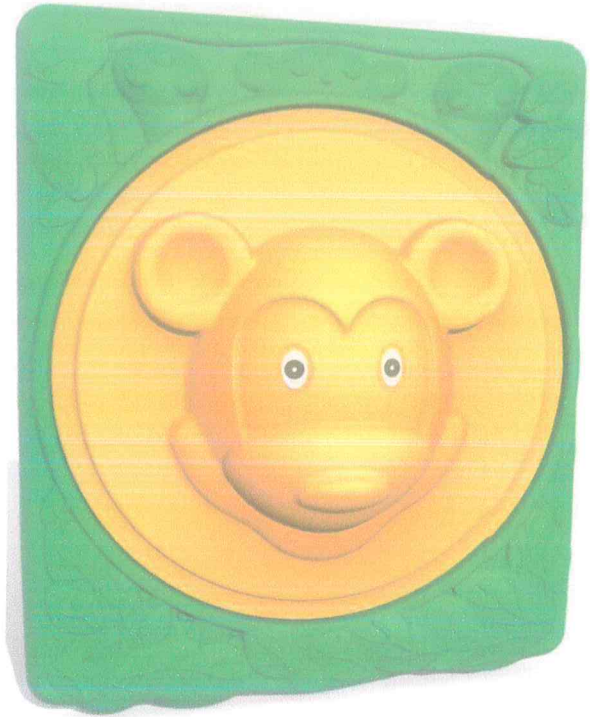
- ❖ Subject Technical drawing-these are barriers made of metal pipe or polyethylene in order to ensure safe entry to the spiral slide used in the game group, provided that they adhere to the measurements and safety rules.
- ❖ When the entrance barrier is used as polyethylene, the installation will be completed with metal railings on the right and left along the platform.
- ❖ The bottom will be fixed with metal railings from the polyethylene product end with the help of bolts and nuts to grasp the slide entrance section; joints that do not have hidden details will be hidden with plastic covers.
- ❖ All of the entrance and handrails can also be used from polyethylene materials to ensure safe entry for spiral slides. In this case, the polyethylene entrance barrier and railings will be manufactured from self-colored LLDPE raw material with double walls with rotation technology. The dyestuffs used in coloring will be in accordance with the children's health and food regulations. The entrance and railings must weigh a minimum of 21 kg.

PLATFORM BOARD WITH DUCK FIGURE



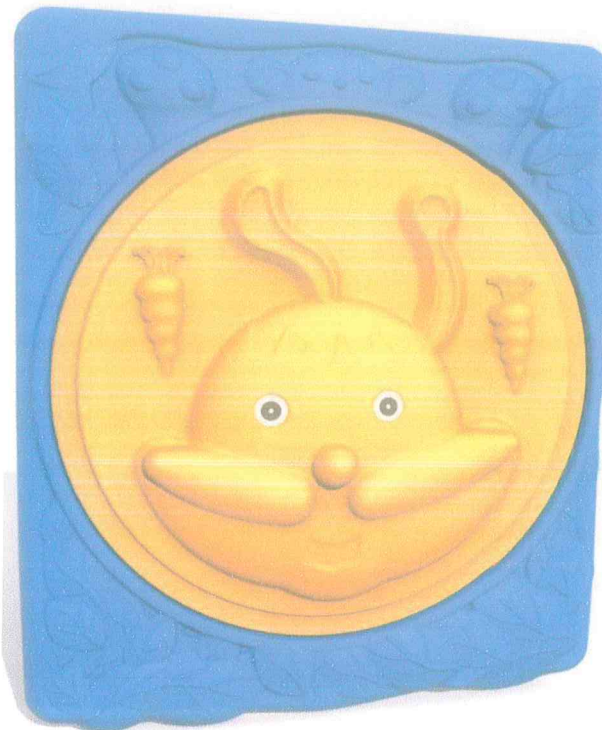
- ❖ The panels with a duck figure will be manufactured with rotation technology with double walls made of powdered self-colored LLDPE raw materials. The dyestuffs used in coloring will be in accordance with the children's health and food regulations.
- ❖ The panels with the secondary Duck figure are designed with dimensions of at least 94x113 cm, manufactured as 2 pieces so that the outer body and the panel consist of an inner figure, and the inner figure of the panel will be mounted on the outer body.
- ❖ The panels with an Initial Duck Figure will be fixed to the main construction with the help of a 100 cm galvanized pipe and clamp system with a diameter of \varnothing 27 mm and a wall thickness of 2 mm on the upper side, and to the platform with the help of a screw on the lower side.
- ❖ \varnothing 27x2 mm galvanized pipe will be passed through the polyethylene panels as a whole. pipes shorter than 100 cm will not be used. Polyamide-based self-colored plastic clamps shaped by injection method, through which the pipe with a diameter of \varnothing 27 mm can pass, will be used at the junction points of the connecting pipes with the panel.
- ❖ ϖ weight min. 11 KG.

PLATFORM BOARD WITH MOUSE FIGURE



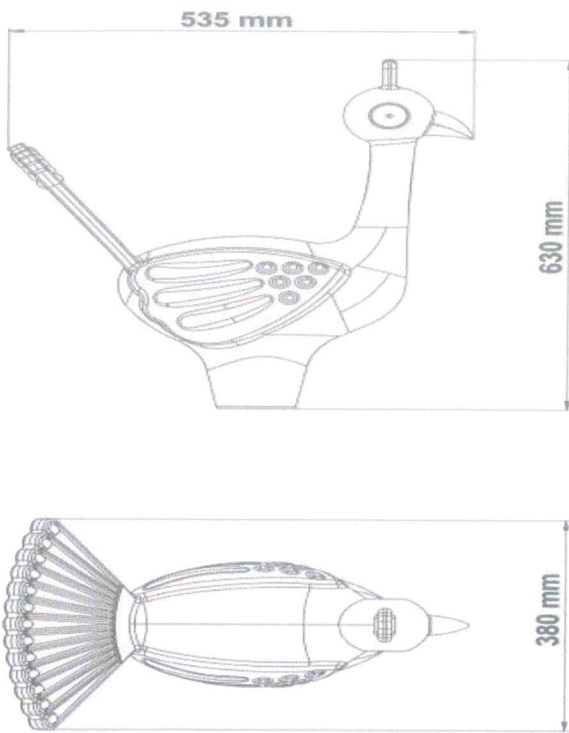
- ❖ The mouse shaped panels will be manufactured with rotation technology with double walls made of powdered self-colored LLDPE raw materials. The dyestuffs used in coloring will be in accordance with the children's health and food regulations.
- ❖ The boards with mouse figures are designed with dimensions of at least 94x113 cm and are manufactured as 2 pieces so that the outer body and the inner figure of the board are formed, and the inner figure of the board will be mounted on the outer body.
- ❖ The Mouse-Shaped panels will be fixed to the main construction with the help of a 100 cm galvanized pipe and clamp system with a diameter of $\varnothing 27$ mm and a wall thickness of 2 mm on the upper side, and to the platform with the help of a screw on the lower side. $\varnothing 27 \times 2$ mm galvanized pipe will be passed through the polyethylene panels as a whole. pipes shorter than 100 cm will not be used.
- ❖ Polyamide-based self-colored plastic clamps shaped by injection method, through which the pipe with a diameter of $\varnothing 27$ mm can pass, will be used at the junction points of the terminal pipes with the panel.
- ❖ ϖ weight min. 11 KG.

PLATFORM BOARD WITH RABBIT FIGURE



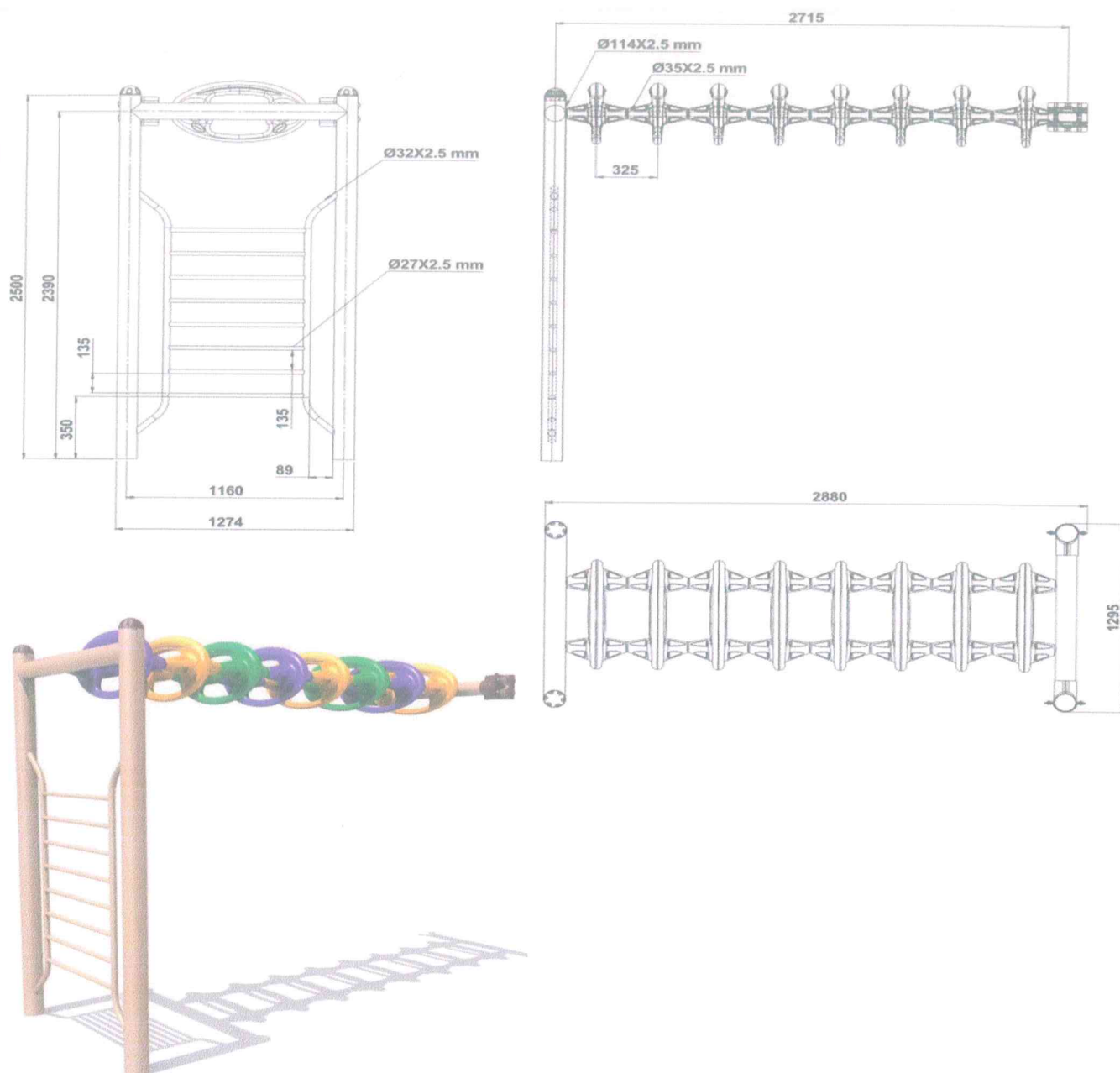
- ❖ The panels with a rabbit figure will be manufactured with rotation technology with double walls made of powdered self-colored LLDPE raw materials. The dyestuffs used in coloring will be in accordance with the children's health and food regulations.
- ❖ The panels with a side rabbit figure are designed with dimensions of at least 94x113 cm, manufactured as 2 pieces so that the outer body and the panel consist of an inner figure, and the inner figure of the panel will be mounted on the outer body.
- ❖ The panels with Rabbit Figures will be fixed to the main construction with the help of a 100 cm galvanized pipe and clamp system with a diameter of Ø 27 mm and a wall thickness of 2 mm on the upper side, and to the platform with the help of screws on the lower side. Ø27x2 mm galvanized pipe will be passed through the polyethylene panels as a whole. pipes shorter than 100 cm will not be used.
- ❖ Polyamide-based self-colored plastic clamps shaped by injection method, through which the pipe with a diameter of Ø27 mm can pass, will be used at the junction points of the terminal pipes with the panel.
- ❖ weight min. 11 KG.

THE PEACOCK FIGURE



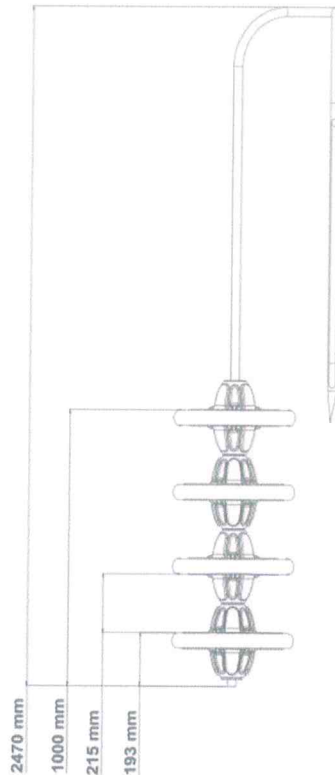
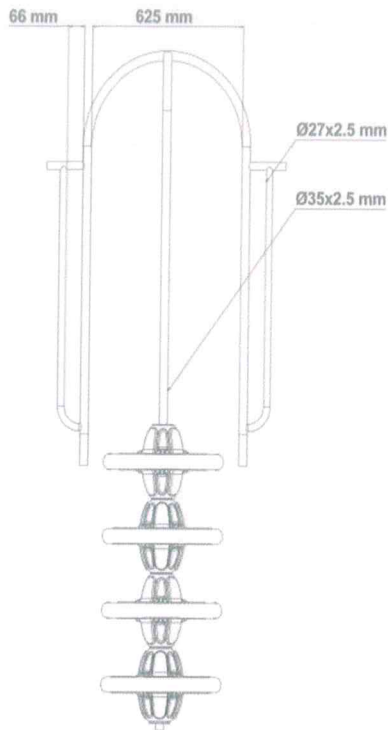
- ❖ The Peacock figure will be produced from self-colored polyethylene in accordance with the specifications specified in the technical specifications and designs by passing a plastic clamp with the help of a galvanized pipe Ø114 mm Ø27 and fixed with a bolt and nut connection, at a minimum of 125 cm above the platform or standing level by means of a galvanized pipe Ø27.
- ❖ A Peacock figure will be manufactured in such a way that it will be double-walled.
- ❖ The figures will be in the required cross sections and strength to bear the weight of the children when the children are hung.
- ❖ TITLE Peacock figure; It will be manufactured by rotation technology from powdered self-colored LLDPE raw material. The dyestuffs used in coloring will be in accordance with the children's health and food regulations.
- ❖ ⚖ weight min. 2.5 KG.

CLIMBING THE PULL-UP ATTACHED TO THE TOWER



- ❖ Pull-up climbing figures will be manufactured with rotation technology with double walls made of powdered self-colored LLDPE raw material. The dyestuffs used in coloring will be in accordance with the children's health and food regulations .
- ❖ The number of Decals will be standard figures taking into account the anthropometric measurements of the respective user group between each UFO climb.
- ❖ The ufo climbing figures should be manufactured as disassembled, optionally in such a way that they can be produced in the same color or different colors.
- ❖ The profile pipes of $\varnothing 114$ minimum 2.5 mm wall thickness (height 250 cm) parallel to each other in the vertical plane and $\varnothing 35$ minimum 2.5 mm wall thickness (length 270 cm) passing through the plastic pull-up climbing figures in the horizontal plane will be connected to each other with the help of flanges and manufactured depending on the size and design in the technical drawing.
- ❖ For convenience during climbing, the side pull-up bar will be designed and manufactured from pipes with a of 2.5 mm $\varnothing 32$ hand grips and a of 2.5 mm $\varnothing 27$ footrests, as shown in the technical drawing, for convenience .

H:100 CM UFO CLIMBING



- ❖ Or Ufo climbing figures; They will be manufactured with rotation technology with double walls made of powdered self-colored LLDPE raw material. The dyestuffs used in coloring will be in accordance with the children's health and food regulations.
- ❖ The number of Decals will be standard figures taking into account the anthropometric measurements of the respective user group between each UFO climb. (H:100 cm; it should consist of an average minimum of 4 Polyethylene ufo climbing figures.)
- ❖ The course will be designed in such a way as to allow children to access the 0 – 100 / (± 10 cm) high platform by climbing and to support them to enter the playgroup safely.
- ❖ The ufo climbing figures should be manufactured as disassembled, optionally in such a way that they can be produced in the same color or different colors.
- ❖ In order to facilitate the exit and entry to the platform, a railing will be used from pipes with a wall thickness of Ø35 mm 2.5 mm to axis the ufo climbing figures, as well as pipes with a wall thickness of Ø27 mm 2.5 mm to regulate the entrance to the platform and connect to the holding pipe for convenience.
- ❖ The UFO climbing will be fixed to the main construction with the help of a clamp system from the upper side and to the platform with the help of a screw from the lower side.
- ❖ ⚖ weight min. 20 KG.



