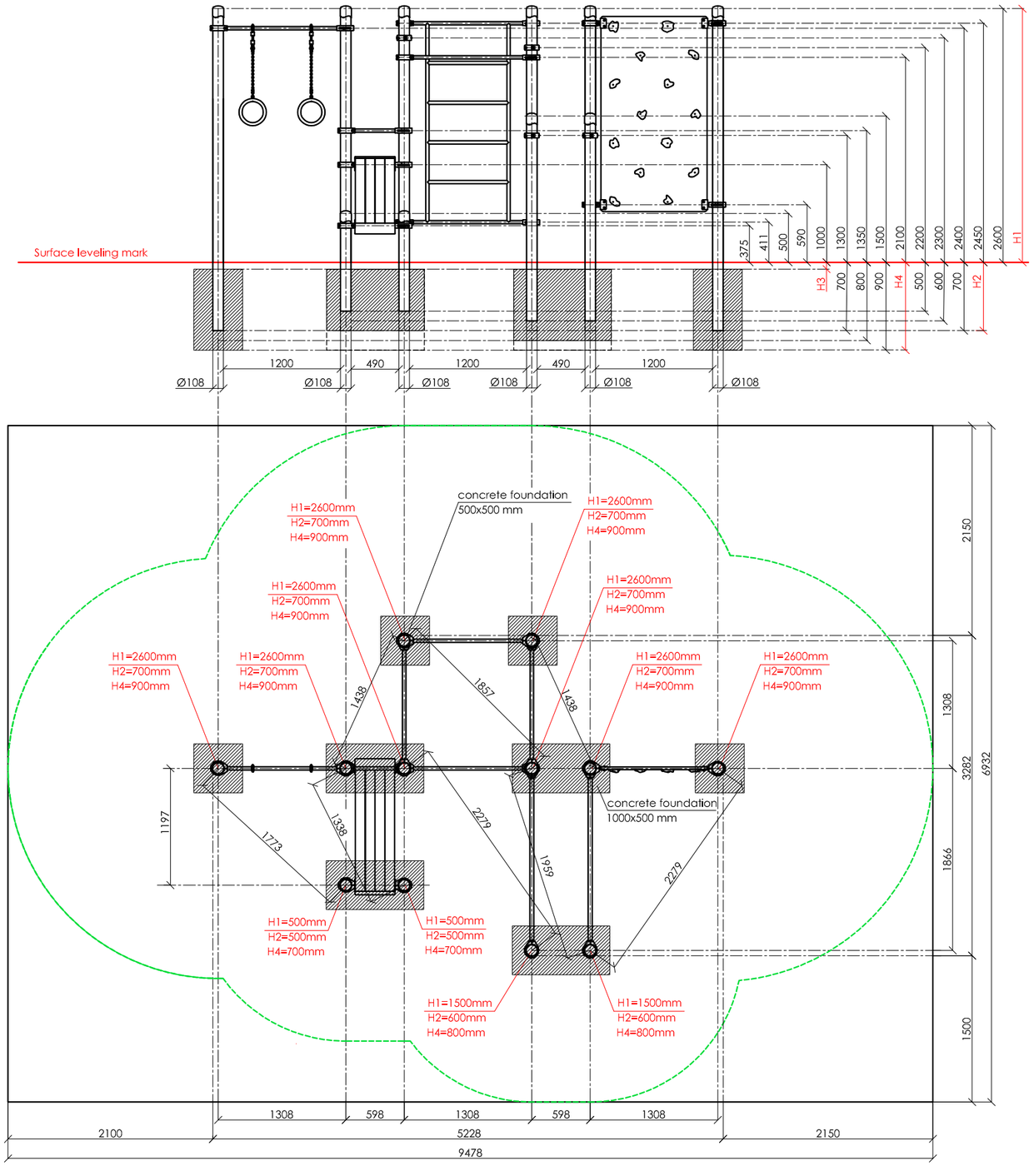
SCALE 1:50

0 500 1000 1500 2000



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K-040 Varnek

The complex consists of twelve vertical columns of different height, three crossbars 490 mm in length, four crossbars 1200 mm in length, two crossbars for the parallel bars 1758 mm in length, Swedish wall, climbing wall and an aluminium bench for abs. The complex includes rings that are fixed to the crossbar with the length of 1200 mm. Height of the Swedish wall - 2073 mm. The distance between the crossbars of the Swedish wall - 407 mm. Height of the climbing wall - 2000 mm. Construction is secured together with siluminium clamps.
Weight 291,9 kg

Installation instructions:

- Choose a suitable underground for the unit (see page 2, table 2)!
- Prepare the construction pit with a drilling machine or other devices.
- Before pouring the concrete all structures elements must be leveled and fixed.
- Complex elements must be fixed and bolted together with metal clamps.
- Ready-made C25 concrete should be used.
- Crossbars installation height can be changed according to customer's wishes.
- Approximately 0,15m³ concrete is needed for each spot foundation.
- Under the structures we recommend to install absorbing rubber cover.

The size of the hole for the foundation is depending on the consistency of the ground. The dimensions mentioned above are applicable for normal conditions with firm ground. If the ground is extremely soft, a much bigger foundation is needed. Use only appropriate material and follow the installation instructions closely!!!

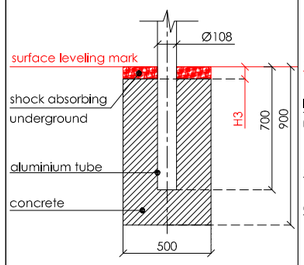
Foundation plan and area of movement of the K-040 Varnek

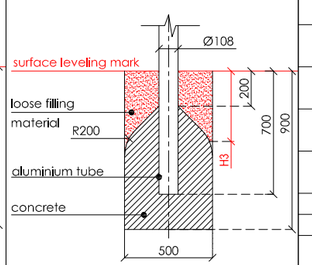
Foundation when using Shock absorbing underground (syntethic – rubber granulates)

H3	Drop height
40 mm	> 1.2.....1.4 m
50 mm	> 1.5.....1.7 m
60 mm	> 1.8.....2.0 m
70 mm	> 2.1.....2.5 m

Beveling of foundation when using loose filling material

H3	Drop height
20 cm	< 1.0 m
30 cm	< 2.0 m
40 cm	< 3.0 m





Technical information

width:	3282 mm	
height:	2650 mm	
lenght:	5228 mm	
largest part:	3350 mm	
weight:	291.9 kg	
floor space required	9478 x 6932 mm	
pipe measurements:	diameter:	wall thickness:
	108 mm	3.0 mm
	42.4 mm	3.0 mm
	33.7 mm	3.0 mm
columns Ø108mm:	anodized profiled aluminium tube AW6060 (Silver color)	
elements:	stainless steel AISI 304, brushed surface	
metal clamps:	siluminium, powder coated, RAL 9005 (pure black)	
bolts for metal clamps	stainless steel, Pin Hex Button Head Security Screws M10	
bench beam measurements.	Height, width	Lenght
	100 x 100	1500
aluminium beams	silver color, anodized AW 6060, 2,0 mm	
max. free fall height:	< 2450 mm	possible underground see DIN 79000:2012-05 Tab.2 or installation instructions
user height:	> 140 cm	
maximum user weight:	130 kg	
certificates:		