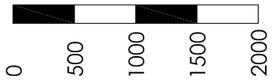
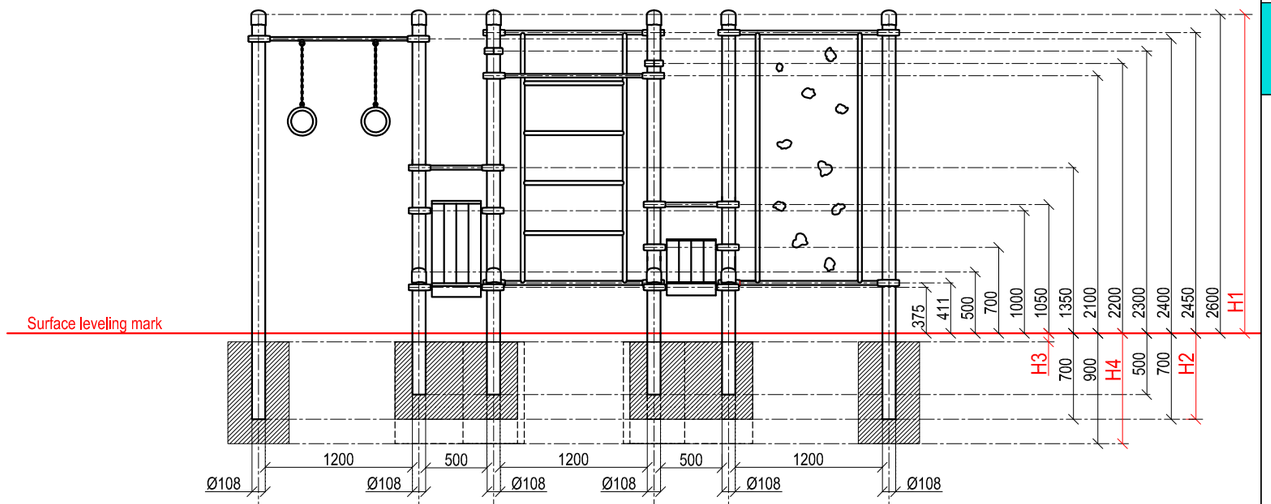
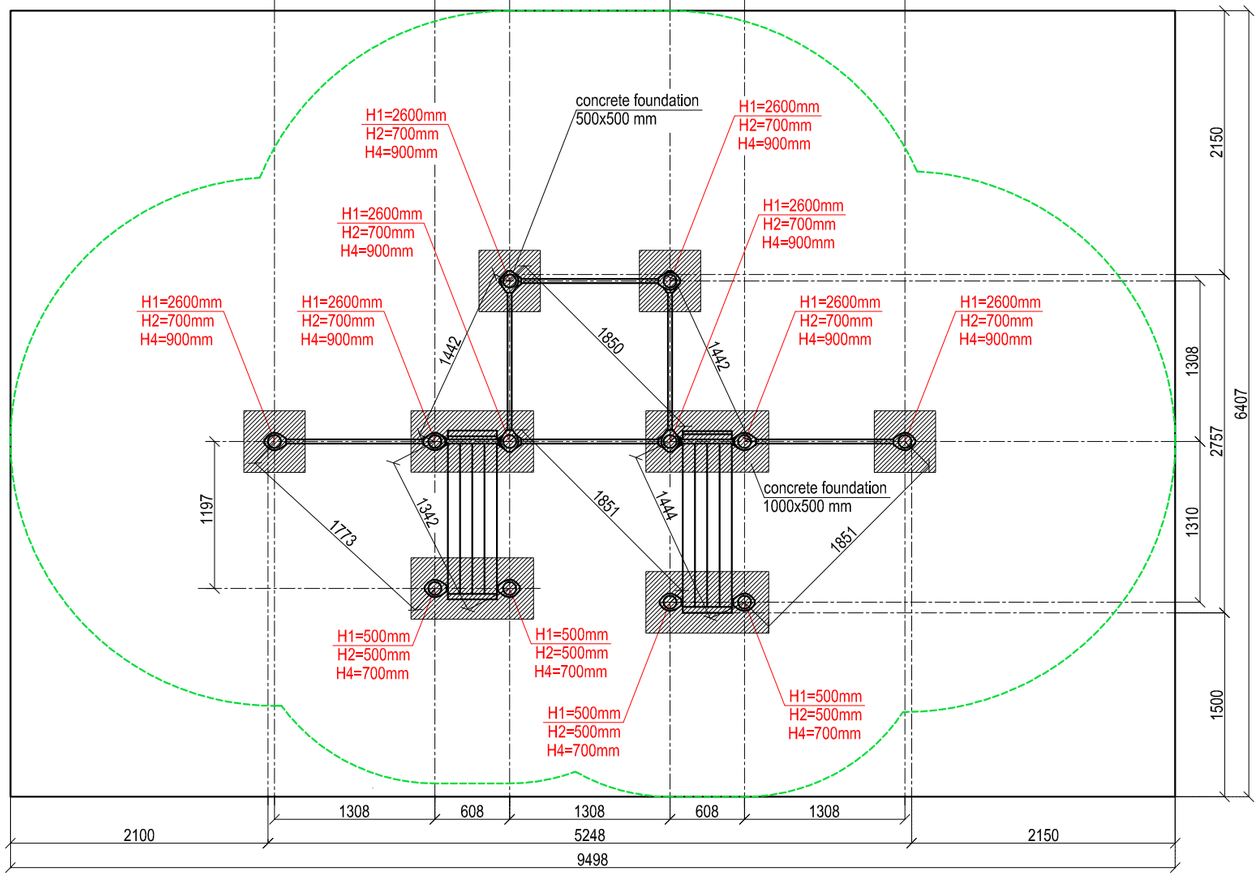
SCALE 1:50







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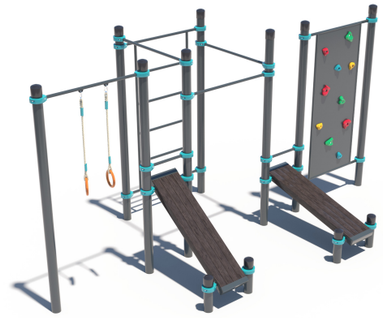
K-040 Varnek



The complex consists of twelve vertical columns of different height, six crossbars 500 mm in length, four crossbars 1200 mm in length, Swedish wall, climbing wall and two composite material benches 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 - 2073 mm. Construction is secured together with siluminium clamps.
Weight 498,0 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!!!

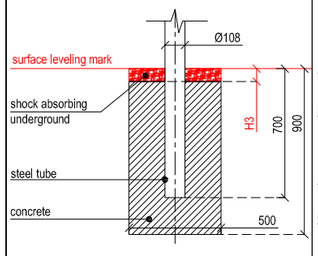
Foundation plan and area of movement of the K-040 Varnek

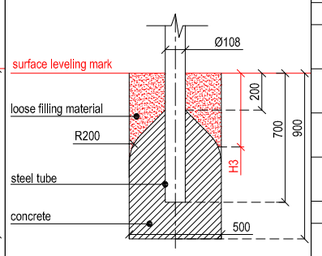
Foundation when using Shock absorbing underground (syntethic – rubber granulates)

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:	2757 mm	
height:	2650 mm	
lenght:	5248 mm	
largest part:	3350 mm	
weight:	498.0 kg	
floor space required	9498 x 6407 mm	
pipe measurements:	diameter:	wall thickness:
	108 mm	3.2 mm
	33.7 mm	3.2 mm
metal parts:	steel, galvanized, powder coated RAL 7016 (anthracite grey)	
metal clamps:	siluminium, powder coated, RAL 5018 (turquise blue)	
bolts for metal clamps	stainless steel, Pin Hex Button Head Security Screws M10	
composite beam measurements:	Height, width	Lenght
	100 x 100	1500
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:		