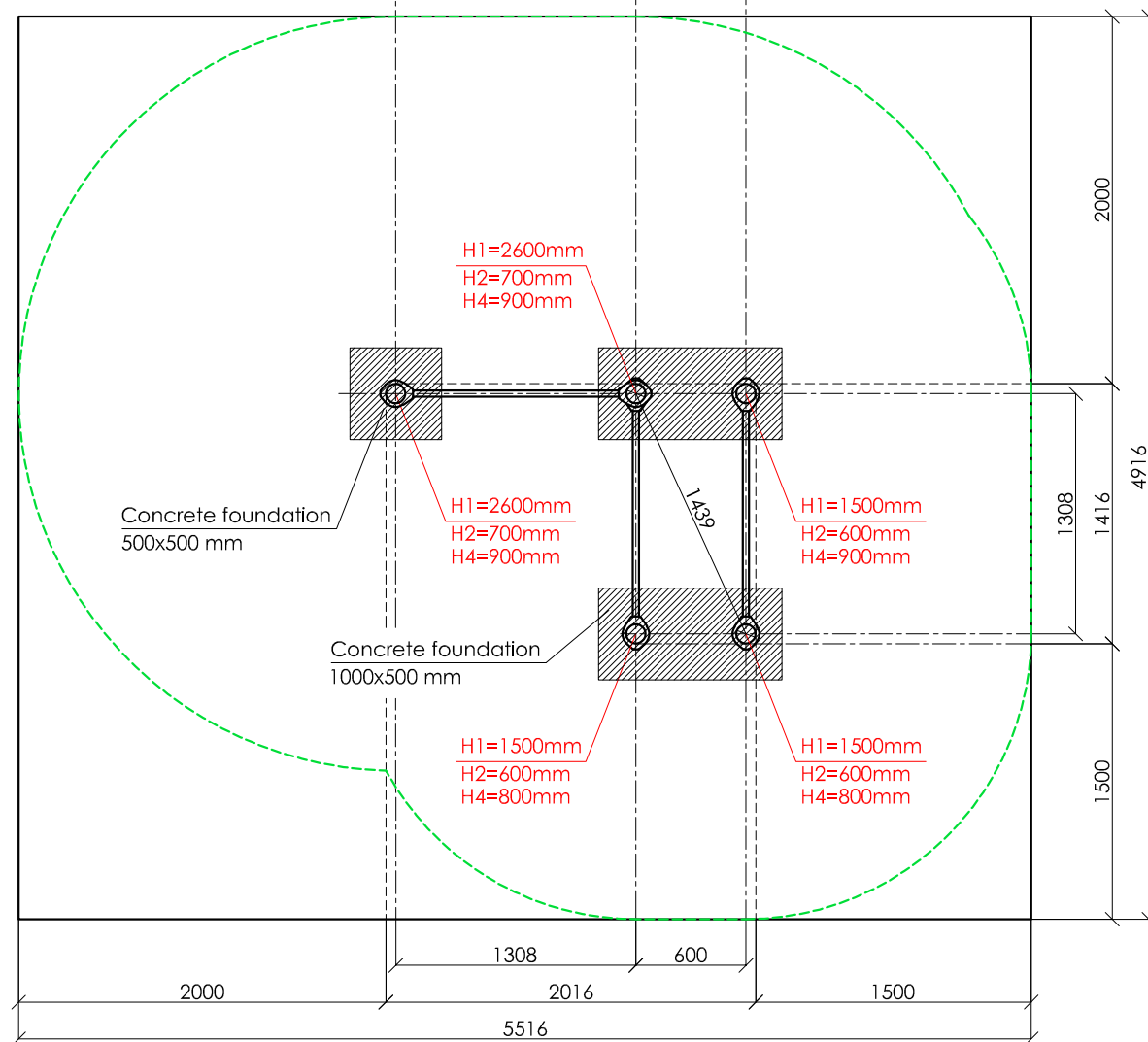
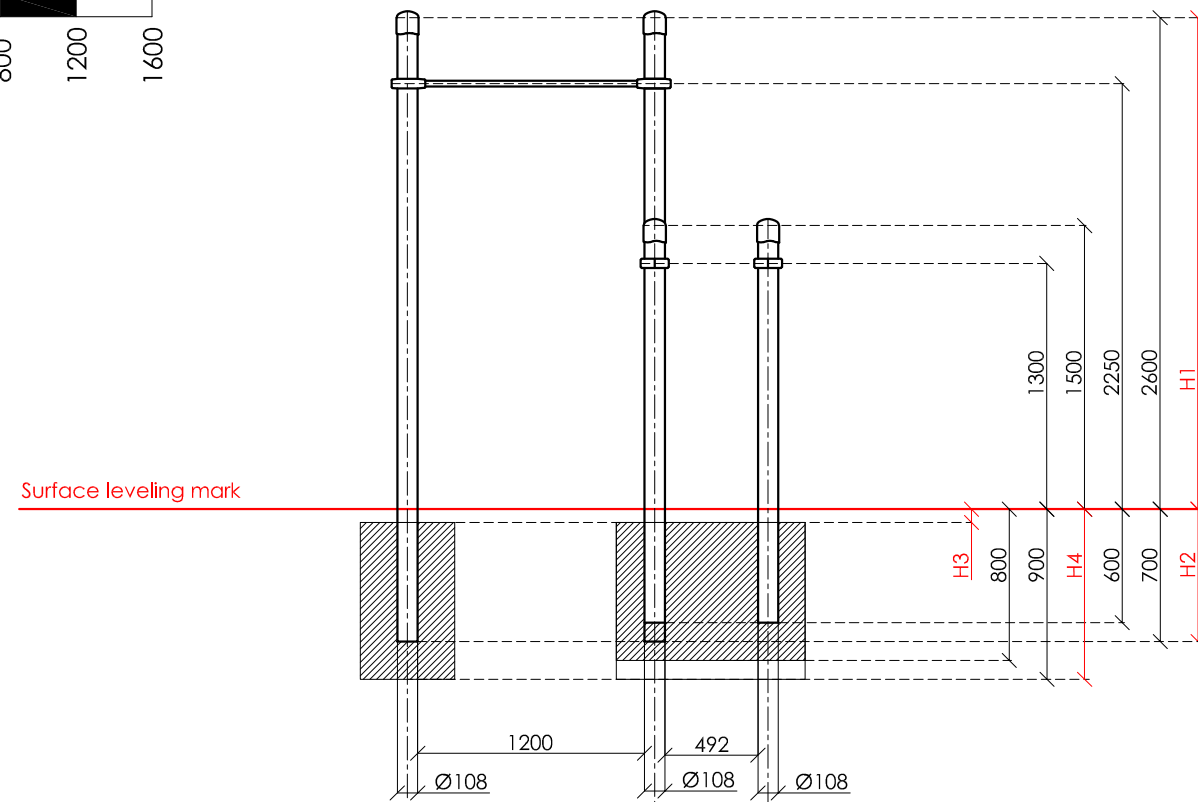
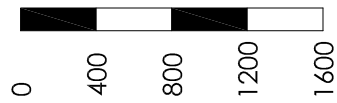


SCALE 1:40



**KENGURU
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K-052

Multi-functional outdoor equipment



The outdoor complex includes five vertical columns, a pull-up bar and a pair of parallel bars. The structure is secured together with aluminium clamps.

Weight 150.0 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-052 Multi-functional outdoor equipment				Technical information	
Foundation when using Shock absorbing underground (syntethic - rubber granulates)		Beveling of foundation when using loose filling material		width:	2015 mm
				height:	1416 mm
				length:	2650 mm
				largest part:	3350 mm
				weight:	150.0 kg
				floor space required	5516 x 4916 mm
H3	Drop height	H3	Drop height	pipe measurements:	diameter:
40 mm	> 1.2.....1.4 m	20 cm	< 1.0 m	108 mm	wall thickness:
50 mm	> 1.5.....1.7 m	30 cm	< 2.0 m	42.4 mm	3.2 mm
60 mm	> 1.8.....2.0 m	40 cm	< 3.0 m	33.7 mm	3.2 mm
70 mm	> 2.1.....2.5 m				3.2 mm
				metal parts:	steel, galvanized, powder coated RAL 7016 (anthracite grey)
				metal clamps:	siluminium, powder coated, RAL 5018 (turquoise blue)
				bolts for metal clamps	stainless steel, Pin Hex Button Head Security Screws M10
				max. free fall height:	< 2250 mm
				user height:	> 140 cm
				maximum user weight:	130 kg
				certificates:	possible underground see DIN 79000:2012-05 Tab.2 or installation instructions