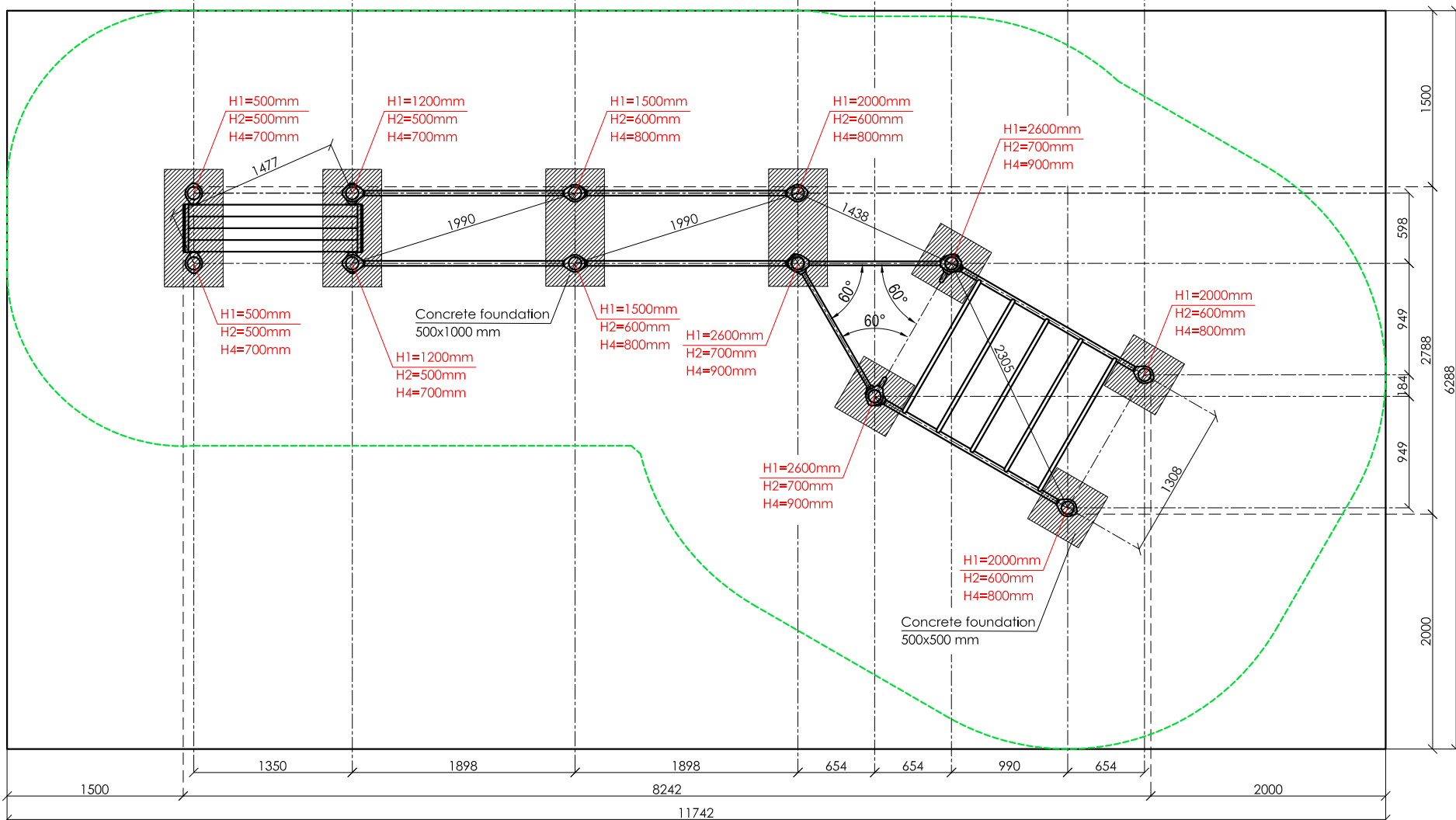
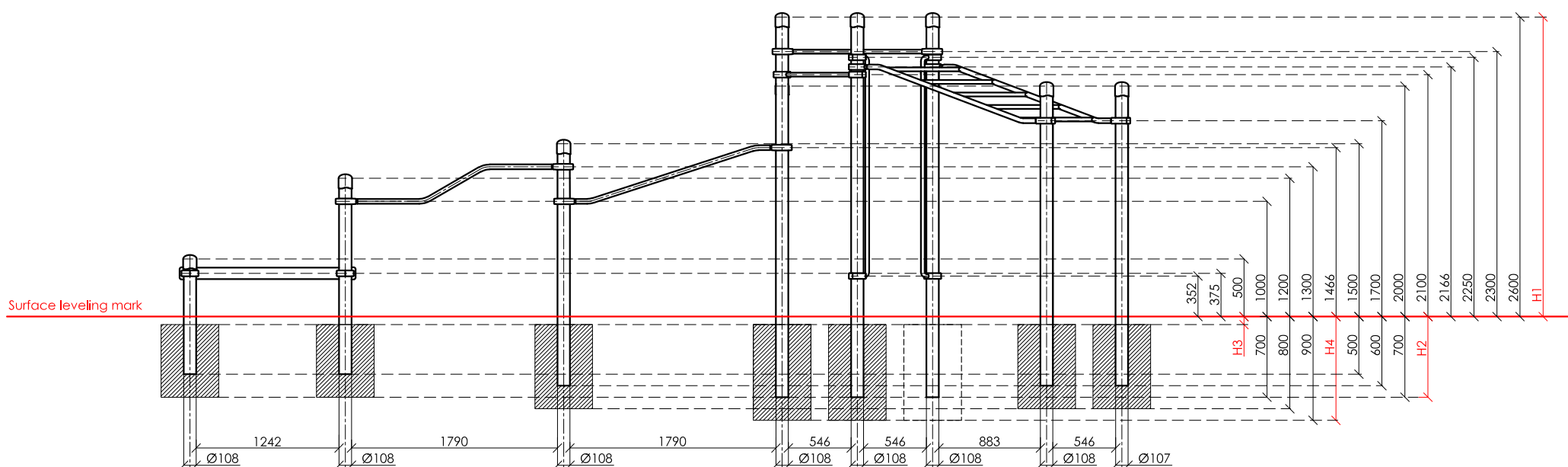
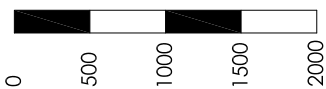


SCALE 1:50



**KENGURU
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P-021

Complex PARAKENGURU LONG



The complex consists of twelve vertical columns of different height, two crossbars 490 mm in length, two crossbars 1200 mm in length, an inclined monkey bar section, two climb-down bars 1932 mm in height, inclined parallel bars 1790 mm in length, multi-level parallel bars 1790 mm in length and a composite material bench. The length of the inclined monkey bar - 1790 mm. The distance between the crossbars of the inclined monkey bar is 350 mm. The difference between the lowest and highest point of the multi-level parallel bars is 300 mm, inclined parallel bars - 466.3 mm. The structure is secured together with siluminium clamps. Weight - 410.70 kg.

Installation instructions:

- Choose a suitable underground for the unit.
- 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 P-021 Complex PARAKENGURU LONG				Technical information		
Foundation when using Shock absorbing underground (synthetic - rubber granulates)		Beveling of foundation when using loose filling material		width:	2788 mm	
				height:	2650 mm	
				length:	8242 mm	
				largest part:	3350 mm	
				weight:	410,70 kg	
				floor space required	11742 x 6288 mm	
				pipe measurements:	diameter:	wall thickness:
H3	Drop height	H3	Drop height	108 mm	3.2 mm	
40 mm	> 1.2.....1.4 m	20 cm	< 1.0 m	42.4 mm	3.2 mm	
50 mm	> 1.5.....1.7 m	30 cm	< 2.0 m	33.7 mm	3.2 mm	
60 mm	> 1.8.....2.0 m	40 cm	< 3.0 m			
70 mm	> 2.1.....2.5 m					
				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	
				wood plastic composite beam measurements:	Height, width	Lenght
				WPC beams:	100 x 100	1500
				max. free fall height:	< 2300 mm	possible underground see DIN 79000:2012-05 Tab.2 or installation instructions
				user height:	> 140 cm	
				maximum user weight:	130 kg	
				certificates:	TÜV Rheinland InterCert Kft.	

