

REQUIREMENTS ON THE CLIENT PRE-SITE PREPARATIONS

Model Swim Spa XL
automatic cover ACS® - fully integrated right



! THINGS TO KEEP IN MIND BEFORE INSTALLATION

i SELECTING A LOCATION

- When selecting the position of the swim spa, consider turning it so that you have the best view of the surroundings when bathing, especially when resting on the stairs. The selected rotation must correspond to the preparation of foundation and piping.
- For installation of the swim spa, select an unshaded place, ideally in the leeward side.
- If possible, place the swim spa close to the house in order to increase comfort during winter months. It is important that the selected location is easily accessible.
- It is highly recommended to shower before using the swim spa, therefore it is an advantage to have a shower in close proximity to the swim spa.

i SPACE REQUIREMENTS

- If the swim spa is equipped with automatic cover ACS®, it is necessary to leave 50 cm of free space around the perimeter of the swim spa.
- If the swim spa is located inside or under a roof, there needs to be at least 140 cm of free space above the swim spa in order to allow the cover to open. Keep in mind that after opening the cover, condensed water will drop from it.

The pre-site preparations must always be solved according to local conditions. The processing of these documents into the project is the task of the buyer's designer, who is responsible for any potential adjustments related to the specific construction site and location.

i SPECIFICS OF INTERIOR INSTALLATIONS

- For interior installations, it is necessary to ensure that the floor and walls are protected with suitable humidity-resistant covers.
- **The room needs to be equipped with a floor drain.**
- In small or excessively heated areas (Aqua parks etc.), the water in the swim spa could potentially overheat without the electrical heating turned on. In this case it is necessary to ensure that the technology under the swim spa is ventilated by air from a cooler area.
- Using the swim spa and removing the cover increases the humidity in the room, therefore it is recommended to ensure suitable ventilation or installing a dehumidifier.
- Please note that the swim spa may produce noise when in operation, therefore it is important to adapt building structures and cover materials.

! INSTALLATION / MOVING

- The minimum dimensions for moving the swim spa are listed in the model specification table. These dimensions will ensure that the swim spa will pass through gates, between houses, fences, around corners etc.
- Delivery is usually carried out by two employees of the seller.
To move the swim spa from the destination point, the crane must be used.
The crane is provided by the buyer.
- If the crane cannot be used for transport, e.g. for indoor installation, it is necessary to contact the swim spa reseller in advance about an alternative transport method.



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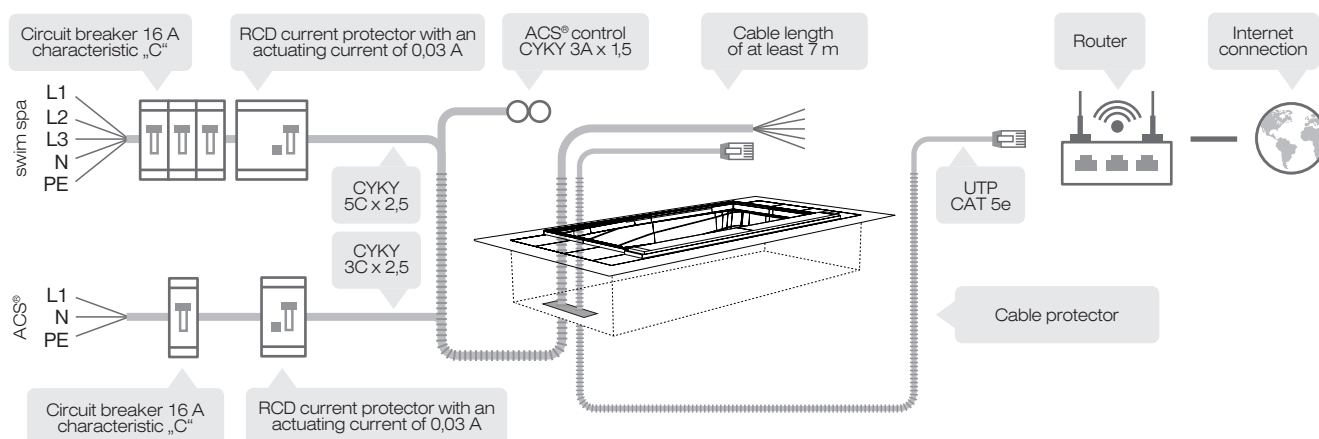


❗ POWER CONNECTION

- Swim spa with ACS® requires two separate circuits with RCD current protector, actuating current of 0.03 A.
- Standard swim spa connection – 16 A circuit breaker, characteristic “C”, TN - S 3+NPE AC 400 V 50 Hz, CYKY 5C x 2,5 conductor, maximum synchronous power drain of 6,8 kW.
- ACS® connection - circuit breaker 16 A, characteristic „C“, TN- 1+NPE AC 230V 50Hz, wire CYKY 3C x 2,5, maximum synchronous power drain of 1 kW.
- ACS® control - CYKY 3A x 1,5 conductor opening into two flush-mounted (interconnected) boxes, which must be located in close proximity to the swim spa.
- The ACS® control must be located so that the operator has a continuous view of the entire cover.
- When heating water using a heat exchanger, it is necessary to install the heating water supply (65 °C) and a wire for the heating water start signal CYKY 2A x 1,5 from the boiler room or heating control unit to the technological shaft.
- In case of a request to block the HT (high tariff) heating, it is necessary to secure a voltage-free LT (low tariff) switching contact and CYKY 2A x 1,5 wire.
- The minimum length of the power supply cables must be 7 m from the point defined in the attached installation alternatives. The conductor must always be directly and firmly connected to the swim spa switchboard.

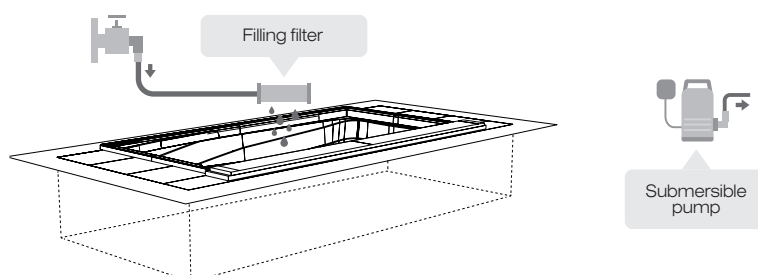
❗ INTERNET CONNECTION

- In order to connect the swim spa to the internet and potentially to smart house administration, it is necessary to use a UTP CAT 5e cable.



❗ WATER SUPPLY AND DRAINAGE

- Swim spas are separate units; we do not recommend a fixed connection to the water supply or drainage and we do not provide such installations.
- The swim spa should be filled using standard tap water. Untreated water, e.g. from wells, may contain various minerals that could complicate the treatment of water in the swim spa or damage certain swim spa components. Such defects are not covered by the warranty.
- When filling the swim spa with water, we recommend using a filling filter (available at your reseller).
- The ideal way of draining the swim spa is by using a submersible pump.

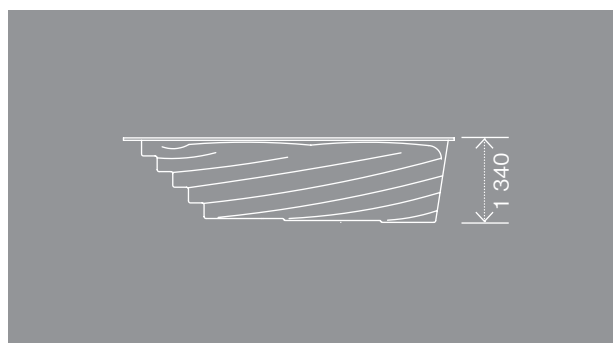
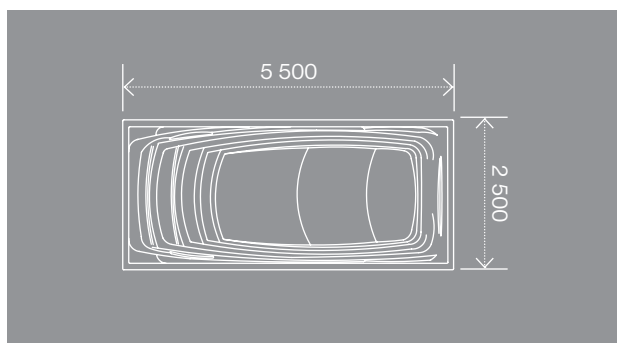


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i BASIC MODEL SPECIFICATION

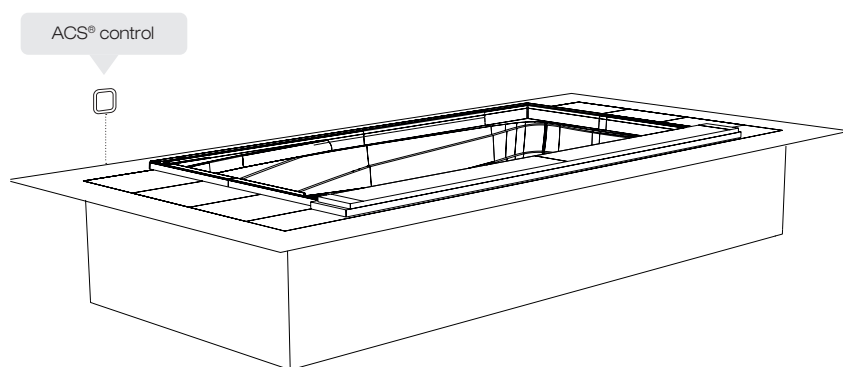


Dimensions of the shell	5 500 × 2 500 × 1 340 mm
Dimensions Swim Spa XL with ACS®	5 500 × 2 800 × 1 640 mm
Min. spacial requirements in case of moving	5 700 × 3 000 × 1 840 mm

Water volume	10 200 l
Dry weight	1 500 kg
Weight with water	11 700 kg

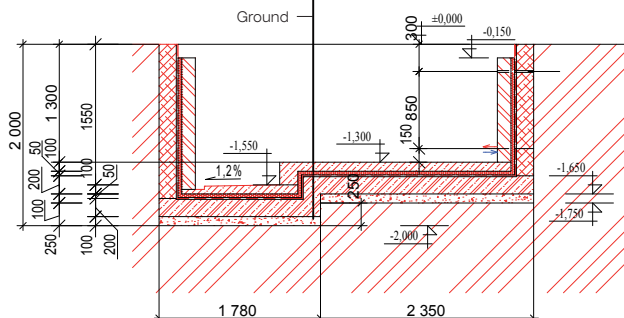
! INSTALLATION ALTERNATIVE WITH ACS® fully integrated left

- For this case, the swim spa is supplied without a cabinet / wooden panelling.
- It is necessary to ensure support for the bottom and lip of the shell in order to guarantee the swim spa's stability during use and when filled with water.
- The surface of the upper edge, where the lip of the shell will be placed, must have a smooth and even straight finish.
- The minimum width of the brick lining is 200 mm.
- It is necessary to ensure that all the electrical technologies are protected against weather effects, while enabling their accessibility.
- **The technology shaft must be fitted with a floor drain (floor drainage).**
- Floor heating, iron profiles, electrical, water, or drain installations etc. must not be placed around the entire perimeter of the swim spa in a width of 15 cm (ø12 mm holes will be drilled in concrete with the minimum thickness of 10 cm).
- Provide sufficient drainage around the swim spa in case of intensive rain.
- When using the accessory "external temperature display", it is necessary to ensure a cableguide passage with a diameter of 10 mm.

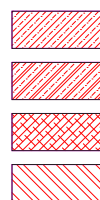


! Any changes in the pre-site preparations must be consulted in advance with your swim spa reseller and must be approved by both parties in writing. If the confirmed delivery date is changed due to incorrectly prepared pre-site preparations, the incurred additional costs shall be applied in accordance with the Purchase Contract.

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Mass legend



Concrete screed
C12/15

Reinforced concrete
C12/15 (B15)

Masonry concrete blocks of lost formwork, th. 200 mm cast with concrete C12/15 (B15)

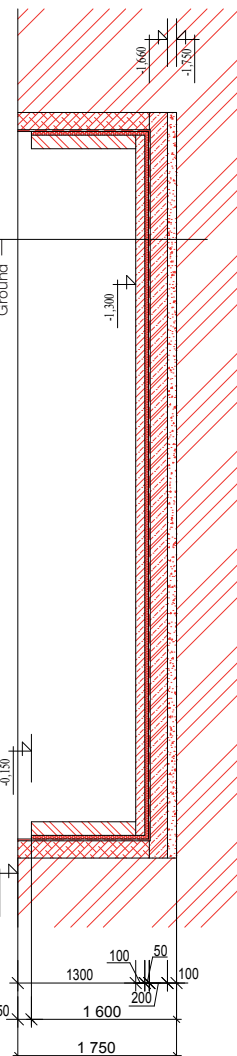
Masonry concrete blocks of lost formwork, th. 150 mm cast with concrete C12/15 (B15)

Thermal insulation - extruded polystyrene 50 mm

Gravel-sand
backfill

Ground

Section 2-2



O1 - Steel cylindrical U profile No. 200, length 970 mm, on the bottom side with a 250/150 mm steel plate, th. 10 mm, on the upper side with a steel plate 200/100 mm, th. 10 mm, total profile length 990 mm - 2 pcs.

O2 - Square steel tube, 60/60/2.5 mm, length 1,235 mm, on the bottom side with a steel plate 150/150 mm, th. 10 mm, total profile length 1,245 mm - 2 pcs.

K - Pocket for installation of U-bearings. Bottom of the pocket at -0,310 m.

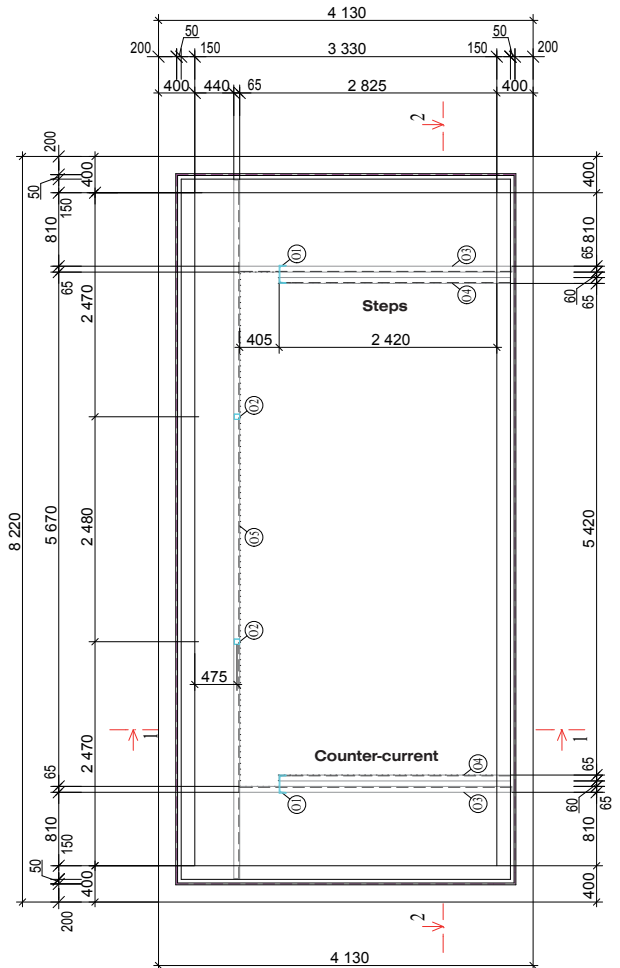
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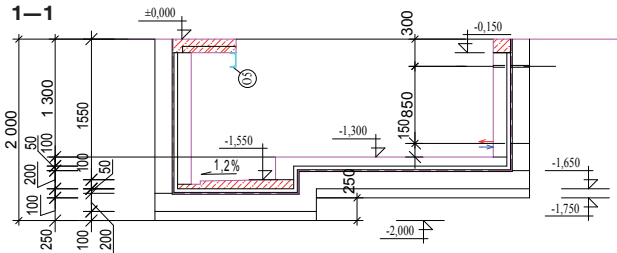
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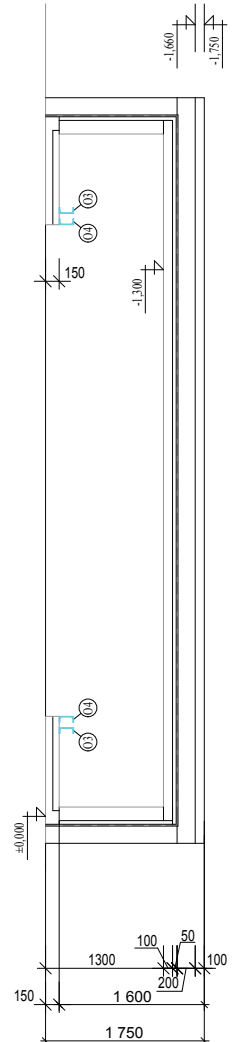
! CEILING STEEL STRUCTURE



Section 1-1



Section 2-2



NOTE

O1 - Steel cylindrical U profile No. 200, length 970 mm, on the bottom side with a 250/150 mm steel plate, th. 10 mm, on the upper side with a steel plate 200/100 mm, th. 10 mm, total profile length 990 mm - 2 pcs.

O2 - Square steel tube, 60/60/2.5 mm, length 1,235 mm, on the bottom side with a steel plate 150/150 mm, th. 10 mm, total profile length 1,245 mm - 2 pcs.

O3 - Steel cylindrical U profile No. 160, length 3 000 mm - 2 pcs.

O4 - Steel cylindrical U profile No. 160, length 2 550 mm - 2 pcs.

O5 - Steel cylindrical U profile No. 160, length 7 770 mm - 1 pc.

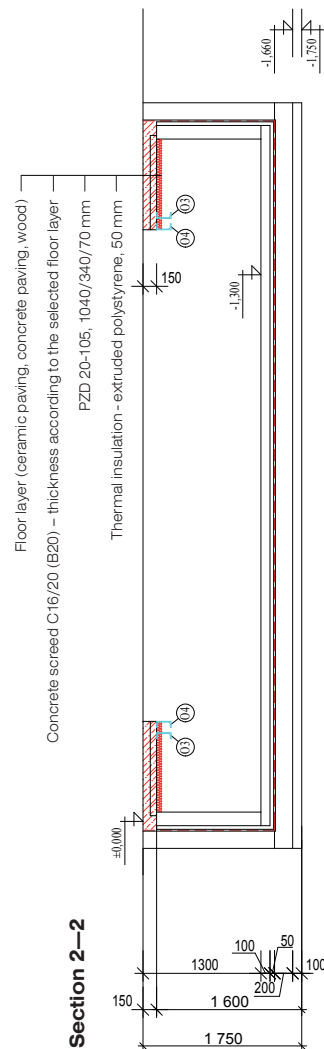
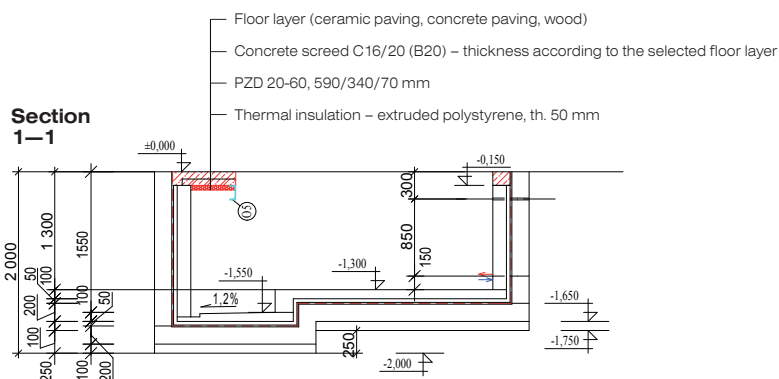
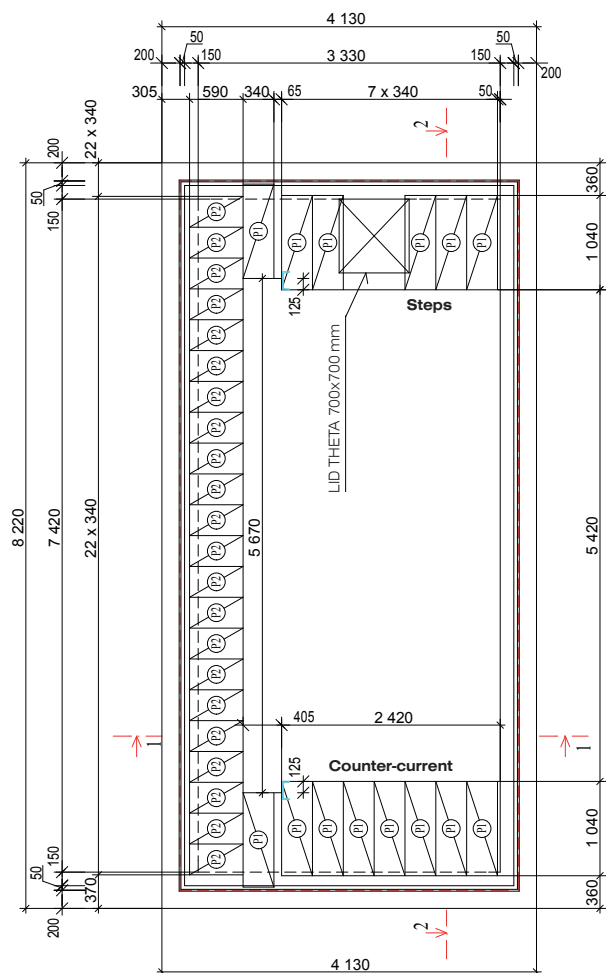
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SHAFT CEILING



Mass legend

	Concrete screed C16/20
	Reinforced concrete slab, th
	Thermal insulation - extruded polystyrene, th. 50 mm

P1 - PZD 20-105 board (1,040 x 340 x 70 mm) 14 pcs
P2 - PZD 20-60 board (590 x 340 x 70 mm) 19 pcs

Note

The thickness of the concrete screed must be selected so that the total thickness of the ceiling structure, including the floor layer, is 150 mm - for the floor layer under the edge of the swim spa, or 193 mm - for the floor layer along the edge of the swim spa.

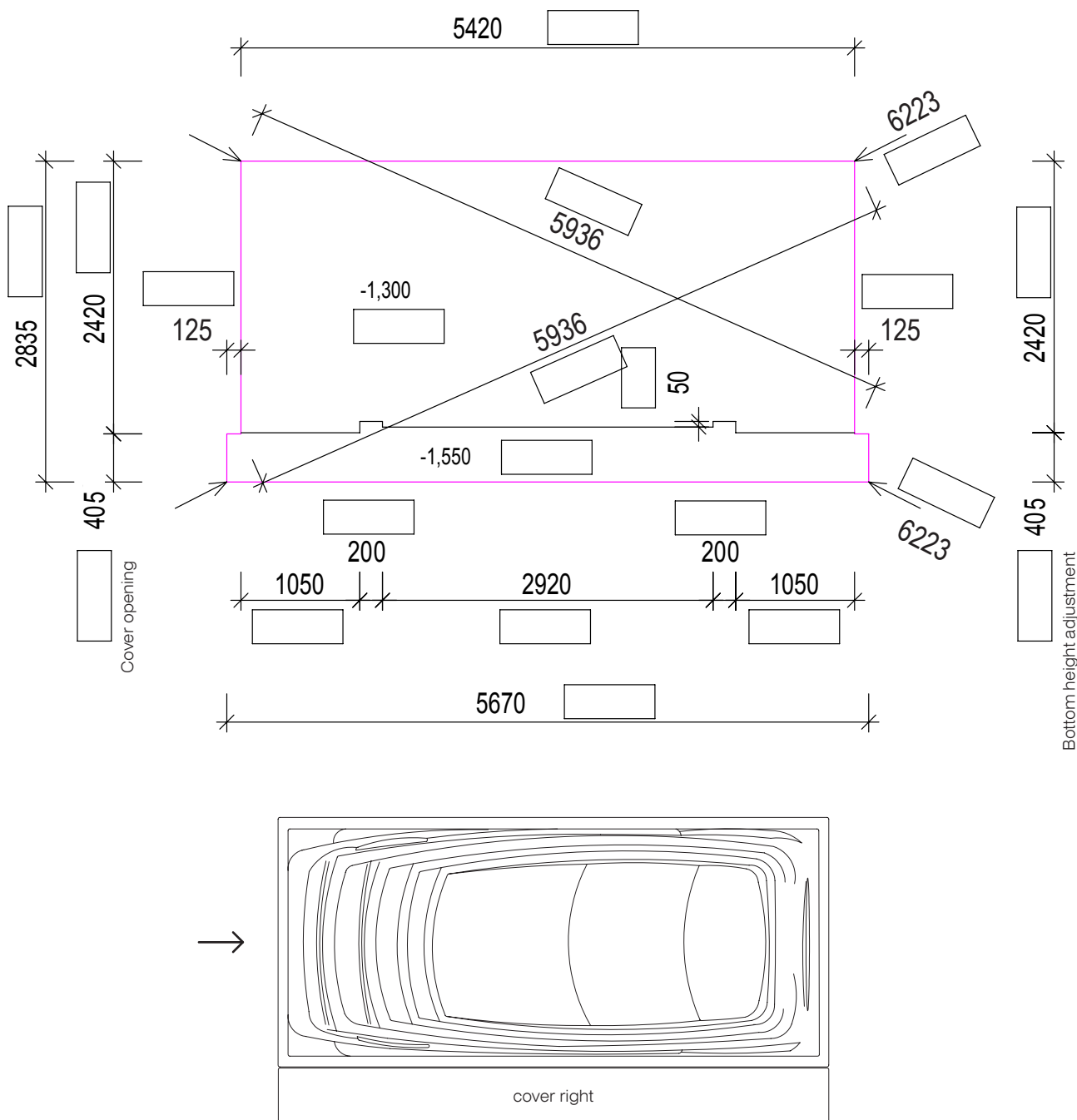
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! SHAFT CONTROL DRAWING

- After completing the pre-site preparations, check the following basic dimensions of the prepared shaft (in mm) and enter the final actual dimensions in the appropriate boxes for the required dimensions.
- Always remember to check the cover position while standing on the stairs - left or right, according to the contract.



- ! Any changes in the pre-site preparations must be consulted in advance with your swim spa reseller and must be approved by both parties in writing. If the confirmed delivery date is changed due to incorrectly prepared pre-site preparations, the incurred additional costs shall be applied in accordance with the Purchase Contract.**

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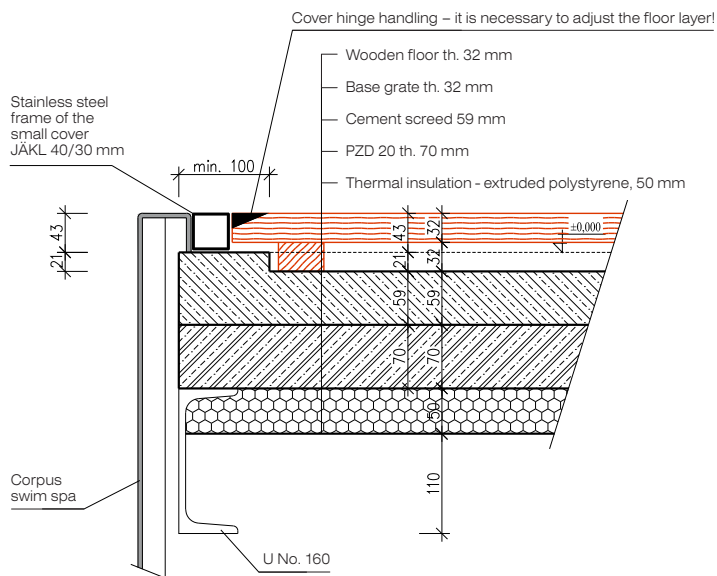
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! WOODEN FLOOR TO THE SWIM SPA EDGE

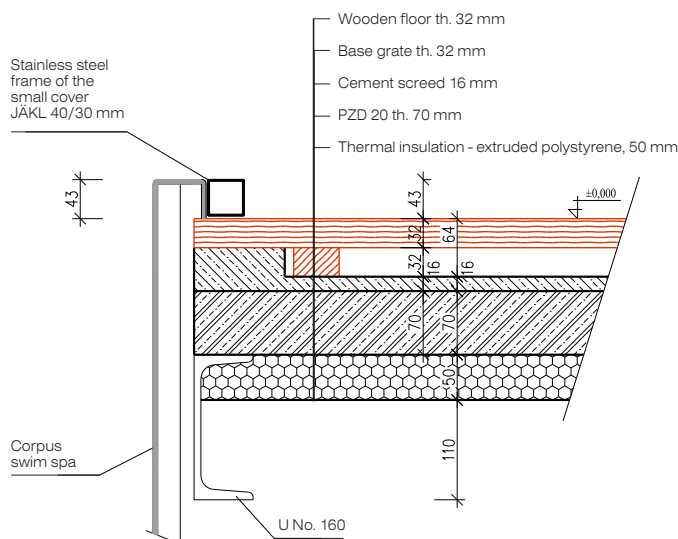
detail of installation of the small cover frame

- The floor layer shall be laid after the swim spa is installed.
- **Beware, the cover hinges fit into the floor layer!**



! WOODEN FLOOR UNDER THE SWIM SPA EDGE

- The floor layer must be laid before the swim spa is installed.



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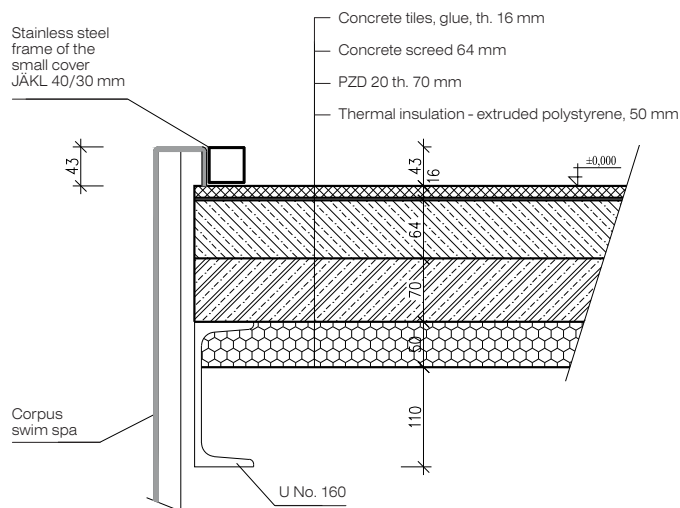
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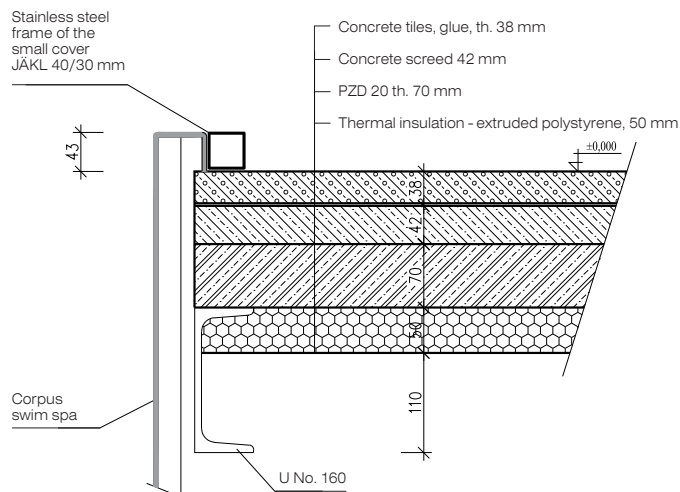
❗ CERAMIC PAVING UNDER THE SWIM SPA EDGE

- The floor layer must be laid before the swim spa is installed.



❗ CONCRETE PAVING UNDER THE SWIM SPA EDGE

- The floor layer must be laid before the swim spa is installed.



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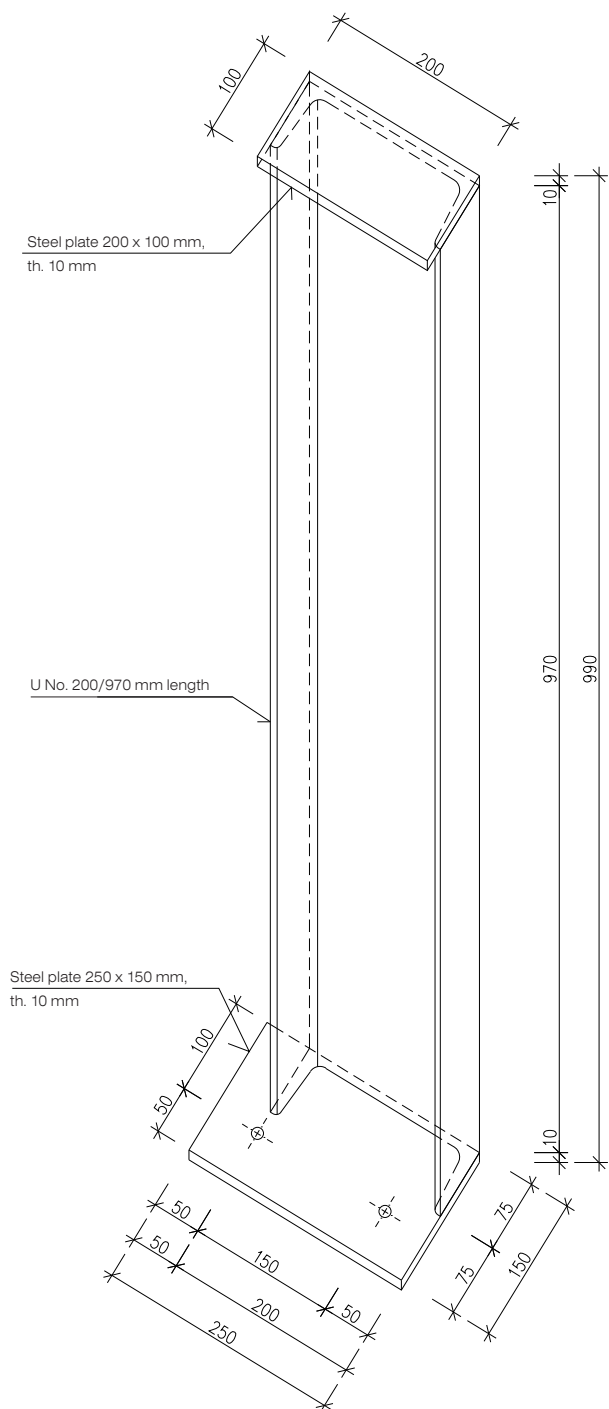
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❗ CEILING STRUCTURE SUPPORT COLUMN

- Steel cylindrical U profile No. 200, length 970 mm, on the bottom with a 250/150 mm steel plate, th. 10 mm, on the upper side with a steel plate 200/100 mm, th. 10 mm, total profile length 990 mm - 1 left and 1 right.

01 — LEFT



01 — RIGHT

