

# Preparation for construction



## Overflow Pools **QBIG BENEFIT**

Version: 02. 05. 2025 / Update: 18. 07. 2025  
L. V.



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|            |   |           |
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If you need any additional information, please do not hesitate to contact our customer helpline. We are here for you.

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1. **Layout of the Shape of the Pool.**
2. **Excavation Depth.**
3. **Preparations for Placement of Miscellaneous Technology.**

For the correct dimensions of the excavation, always refer to the diagrammatic drawing that is part of the contract for work. Have a construction expert confirm in writing that placement at the intended location is feasible from a constructional point of view and that it does not conflict with already installed utility lines. The location of the pool must be in accordance with IEC 60364-7-702:2010.

## 1. Layout of the Pool

## Excavation Width and Length for the Pool

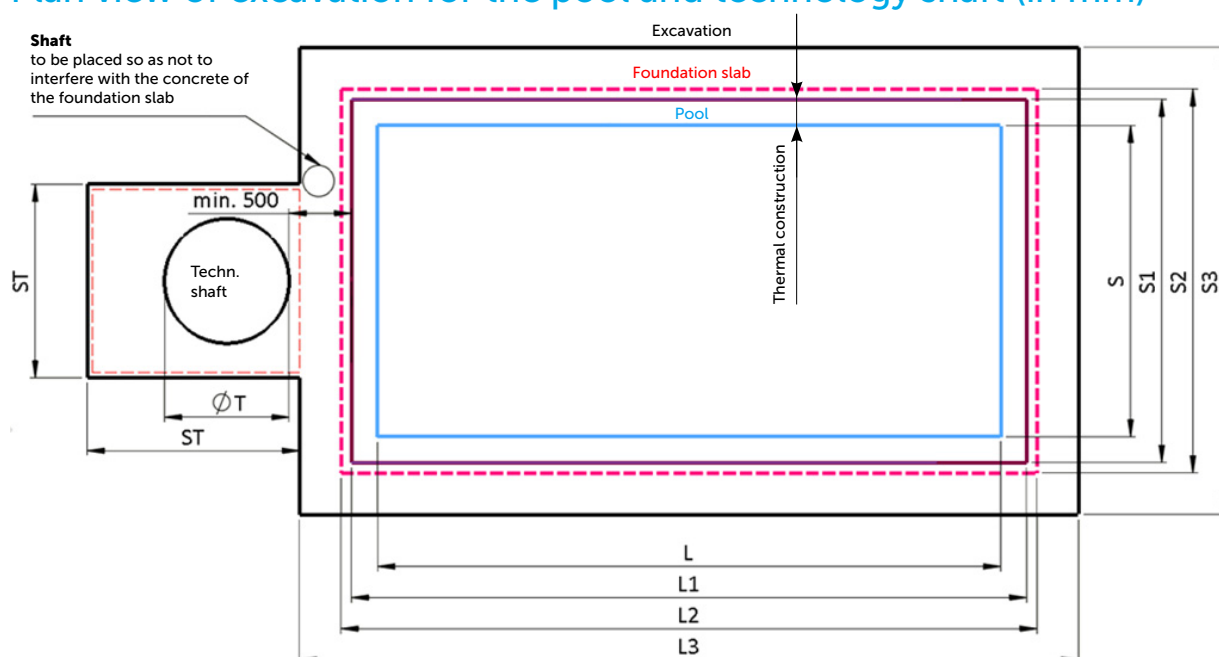
The width and length of the excavation for the pool, for the pool placed by a crane = +500 mm on each side counted from the outer dimension of the pool. The outer dimensions include the width of the thermal construction. In the layout illustration on the next page, these dimensions are indicated as S1 and L1.

## Excavation Width and Length for Technology Shafts

Width and length of excavation for technology shafts = +600 mm from the outer diameter of the shaft, or its outer width and length.

|          |                       |                |
|----------|-----------------------|----------------|
| Example: | Outer shaft diameter  | 1265 mm        |
|          | Excavation dimensions | 1865 x 1865 mm |

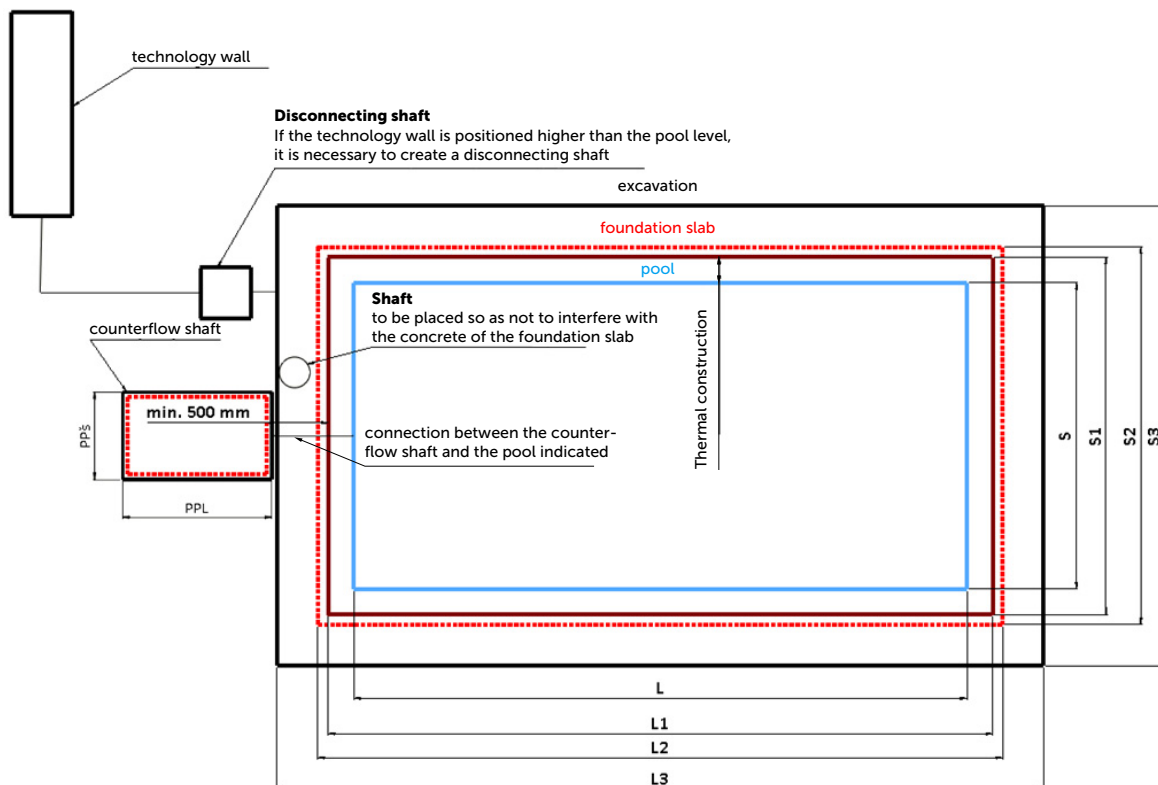
### Plan view of excavation for the pool and technology shaft (in mm)



## 2.

## Surveying and excavation

### Plan view of excavation for a pool with a counterflow shaft



Dimension table QBIG BENEFIT

|                |   |          |          |          |          |
|----------------|---|----------|----------|----------|----------|
| L              | pool length                                     | 5 000 mm | 6 000 mm | 7 000 mm | 8 000 mm |
| L <sup>P</sup> | outer length of the overflow channel            | 5 416 mm | 6 416 mm | 7 416 mm | 8 416 mm |
| L1             | outer length of the pool (thermal construction) | 5 500 mm | 6 500 mm | 7 500 mm | 8 500 mm |
| L2             | foundation slab length                          | 5 700 mm | 6 700 mm | 7 700 mm | 8 700 mm |
| L3             | excavation length                               | 6 500 mm | 7 500 mm | 8 500 mm | 9 500 mm |

|                |  |          |          |          |
|----------------|--|----------|----------|----------|
| S              | pool width                                     | 3 000 mm | 3 500 mm | 4 000 mm |
| S <sup>P</sup> | outer width of the overflow channel            | 3 416 mm | 3 916 mm | 4 416 mm |
| S1             | outer width of the pool (thermal construction) | 3 500 mm | 4 000 mm | 4 500 mm |
| S2             | foundation slab width                          | 3 700 mm | 4 200 mm | 4 700 mm |
| S3             | excavation width                               | 4 500 mm | 5 000 mm | 5 500 mm |

|     |  |         |
|-----|--|---------|
| CSD | dimensions of the excavation for the counterflow shaft | 1050 mm |
| PPL |  | 1650 mm |

|    |   |  |
|----|---|--|
| ST | dimensions of the excavation for the technology shaft | for shaft diameter 1200 mm ST = 1 865 mm |
|    |   | for shaft diameter 1500 mm ST = 2 165 mm |

### layout of the pool shape

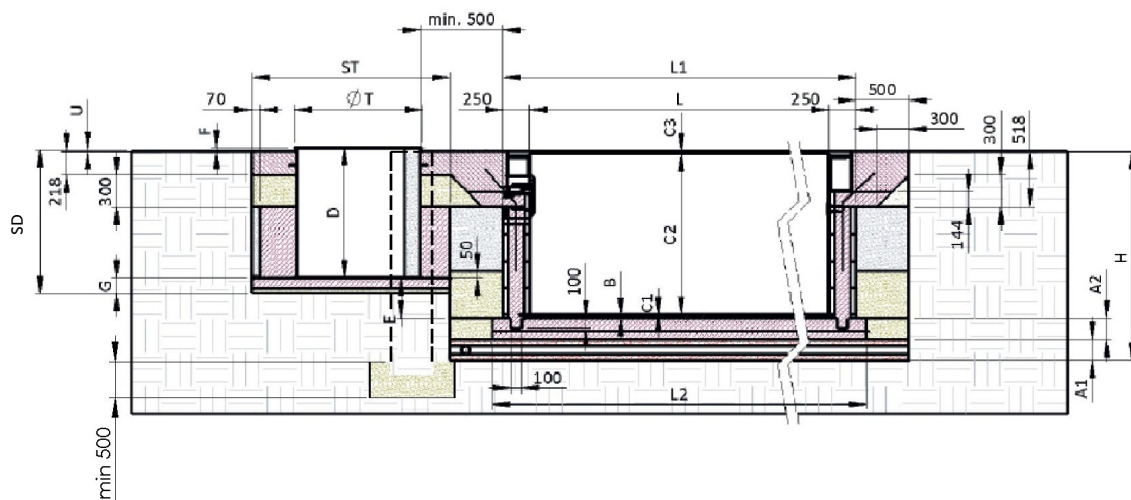
Subject to the type and size of the pool, mark (with sand, lime) the space for the pool. All measurements and determination of the location of the pool should be carried out with the greatest care and with regard to finishing works on the pool (paving etc.).

## 2.

## Surveying and excavation

### 2. Excavation Depth – Calculation.

The depth of the pool excavation and the excavation for placing the technology shaft – to be determined according to the calculations below. The total depth of the pool excavation should be determined first. The depth of the excavation for the technology shaft (counterflow shaft) should be determined afterwards. The height of the step (E) for the correct placement of the technology shaft should be determined at the end. Please remember to account for the difference from the raised terrain (U). The value "U" directly addresses the final height of the complete construction of the pool; therefore it is necessary to take into account all the construction steps performed subsequently (raised paving, recessing or raising the pool, etc.) The upper edge of the technology shaft should be set to at least 40 mm (F) above the planned final surface around the pool (make sure it does not collide with the travelling front of the roof). This is due to the need to protect the shaft from rainwater. If you do not want to have the shaft elevated above the final surface level, adequate drainage of rainwater must be provided around the shaft. The shaft must not be located where the future rails for the roof will be installed. The bottom of the shaft is intentionally kept without thermal insulation so that the shaft is naturally 'heated' in the winter from the soil below.



|    |  |  |
|----|--|--|
| A1 | gravel bed with drain pipes  | 200 mm   |
| A2 | concrete foundation slab with a rebar mesh   | 200 mm   |
| B  | bottom insulation (extruded polystyrene)   | 30 mm  |
| C1 | pool bottom thickness  | 8 mm or 6 mm   |
| C2 | pool depth   | subject to the pool type                                 |
| C3 | difference in elevation of overflow channel (grid set in groove)                       | 18 mm (+4 mm)  |
| D  | total depth of the technology shaft/counterflow shaft                                  | technology shaft = 1213 mm<br>counterflow shaft = 796 mm |
| E  | difference in elevation between the pool foundation slab and the shaft foundation slab | $(H + F) - (A1 + A2 + D)$                                |
| F  | elevation of the technology shaft specified by the manufacturer                        | 40 mm  |
| G  | concrete plus gravel (gravel 50 mm; concrete 100 mm)                                   | 150 mm   |
| H  | pool excavation depth  | $A1 + A2 + B + C1 + C2 + C3 + (\pm U)$                   |
| SD | shaft excavation depth   | $(D - F) + G + (\pm U)$                                  |
| U  | thickness of paving/stone carpet/pool recess   | subject to the type                                      |

## Excavation and Securing the Perimeter Walls.

Excavation and securing of the perimeter walls of the pit (if necessary because of the geological conditions) should be carried out exclusively by a specialized company. The excavated soil can be used for landscaping around the pool; you can count on the majority of the soil being used this way. This means there is no need to dump the soil. Landscaping around the pool refers to the pool as a new structure; not always necessary.



### Important notice:

The contractor is responsible for securing the excavation walls.

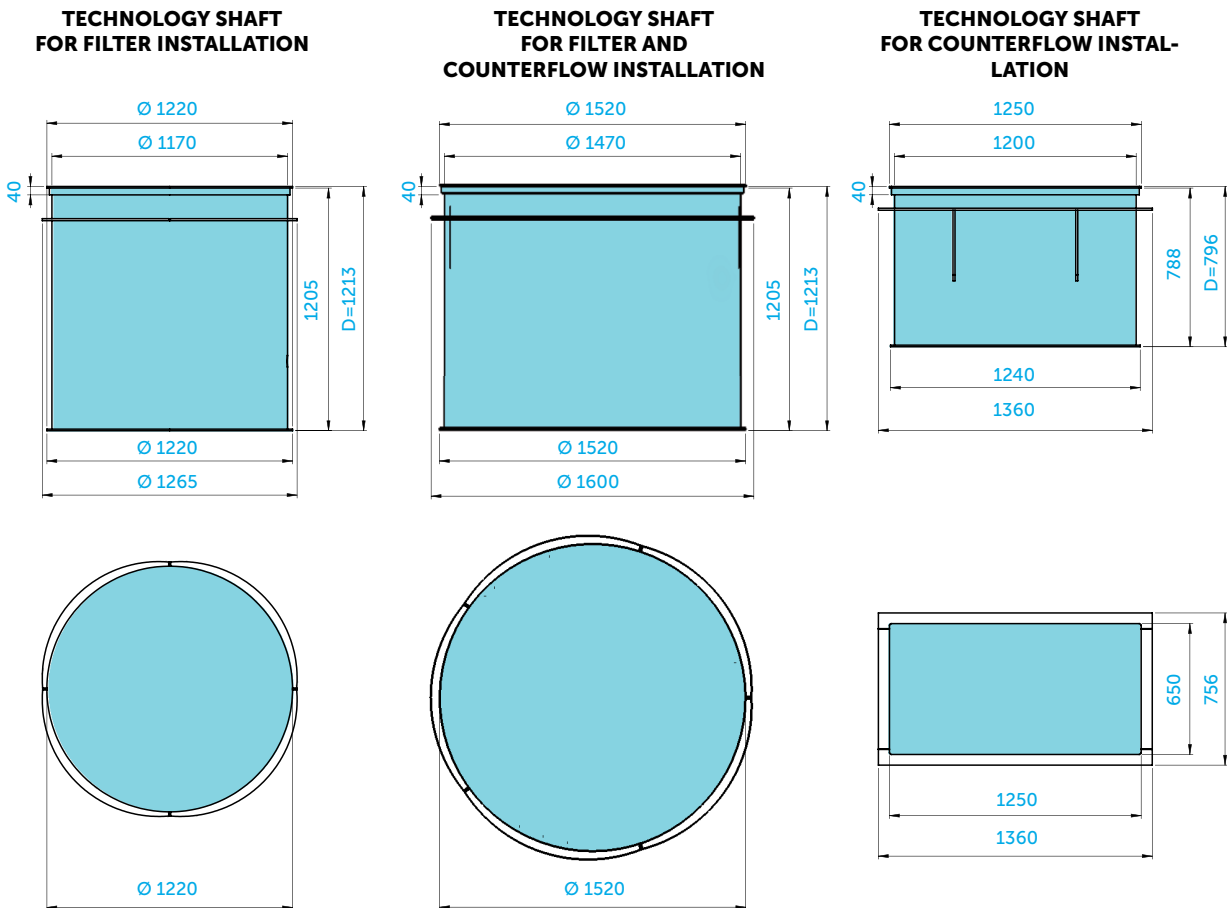
The aforementioned data and calculations apply to the standard location of the technology shaft – see plan view of excavation.

### Note:

Along with the earthworks and excavation, consider connecting the pool to the sewage system on the premises. This will enable the drainage pump and pool technology to be connected directly to the discharge system, which delivers greater convenience in terms of pool maintenance, when draining water from the filtration system, etc. (Always check the local sewage regulations to make sure the pool can be connected to the sewage system.)

The following types of technology shafts may be included in the scope of the contract for work:

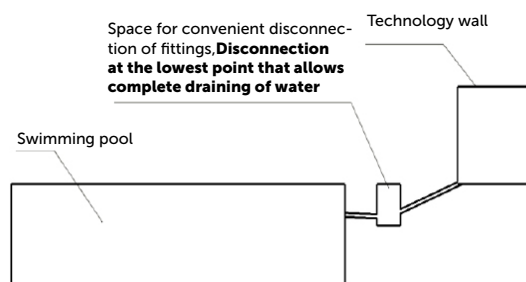
- Technology shaft with cover for installation of filtration (Ø 1200, height 1200 mm)
- Technology shaft with cover for installation of filtration and counterflow (Ø 1500, height 1200 mm)
- Technology shaft with cover for counterflow installation (1200 x 600 x 800 mm) = L/W/H



## Preparations for Placement of Miscellaneous Pool Technology.

Another option for installing the technology is using an ALBIXON technology wall. The pool technology should be built in such a way as to prevent access by unauthorised persons and children. Its ambient humidity should also meet the requirements regarding the installation of electrical components.

Where the technology walls is placed above the water level in the pool, a maintenance (disconnecting) drain shaft should be created, allowing water to be drained from the piping during the winter period. The dimensions of the maintenance shaft should be of at least 500 x 500 mm (subject to the depth) and the depth should be adequate to the pipe route, however always allowing for the convenient disconnection of the pipes and discharge of water if required. For the location of the disconnect fitting, see the picture. The disconnection must be placed at the lowest point.

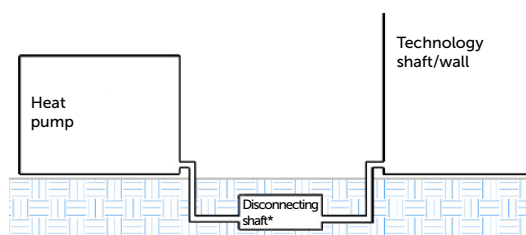


**Technology wall** (left, right) – a technological unit designed to be placed in a service room or in other suitable garden structure. The wall must be placed on a horizontal and sufficiently rigid base. On the side of the outlets (left or right, depending on the version), it is necessary to leave at least 500 mm of space for connections and further handling. To connect the pool technology and the pool and – if appropriate – external heating, make sure to prepare pipeline routes and penetrations of the appropriate size (pipe Ø + insulation) into the technology space (this also applies to technology installed atypically).



**Counterflow device** – fitted separately in the counterflow shaft, or in the technology shaft – place the counterflow shafts with the counterflow pipe along the axis of the pool, where the outlets from the counterflow mask are located. This is to achieve the lowest power losses. The maximum distance from the exterior contour of the pool shell is 2000 mm. Should the counterflow be placed away from the axis of the pool shell, its performance will be diminished.

**Heat pump** – to connect the pool technology and the heat pump, it is necessary to create routes for laying the connecting pipe (excavation width 200 mm at minimum, pipe slope 1.5 ° in its entire length towards the shaft). To connect the heat pump and the technology wall, it is necessary to place the disconnectors for water discharge at the lowest point of the pipe. The foundation slab of the heat pump must be sufficiently firm and horizontal. Build a concrete foundation with a height of 200 mm. Place the foundation on a gravel bed of fraction 8/16 compacted to an unfrozen depth\*\*. The plan dimensions of the foundation should be at least 40 mm larger on each side than the outer dimensions of the heat pump. For installing the heat pump lines, we recommend placing them 30-50 cm underground. Install the heat pump in a spacious and sunny location with good ventilation. Its position must allow for smooth air circulation; see the instructions for the respective heat pump. During its operation, the heat pump may produce a considerable amount of water condensate. This needs to be accounted for and drainage must be provided. Ensure that after installation the device is in an upright position without any tilt. Do not install the device in places with the presence of contamination or corrosive gases, or where dirt or fallen leaves collect. The place where it is installed must not be near flammable or explosive environments with usual fire hazards. Observe distances from obstacles, always in accordance with the respective heat pump manual. Install the heat pump at least 3500 mm from the edge of the pool (according to ČSN 33 2000-7-702) and up to 7500 mm from the pool technology and with a vertical difference of up to 1000 mm between the water level in the pool and the bottom edge of the heat pump.



\* If the pipe is sloped towards the filtration system along its entire length, there is no need for a disconnecting shaft.

\*\* The non-freezing depth is a depth below the outdoor ground surface where the ground will not freeze even in the cold season. In the Czech Republic, the non-freezing depth in the construction industry is considered to be 80 to 140 cm below the ground surface, depending on the site and soil type.

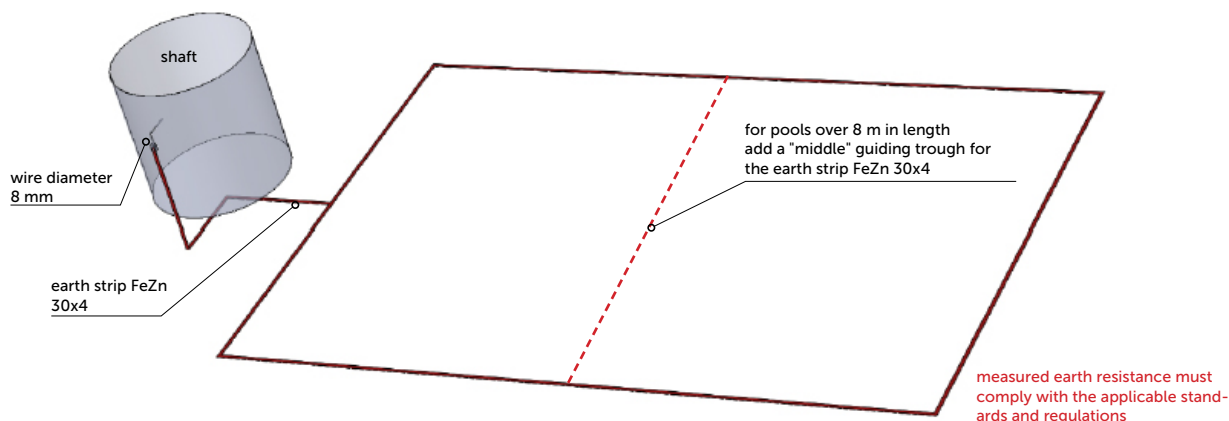


# Levelling the Bottom of the Excavation and Drainage of the Foundation Slab

## 3.

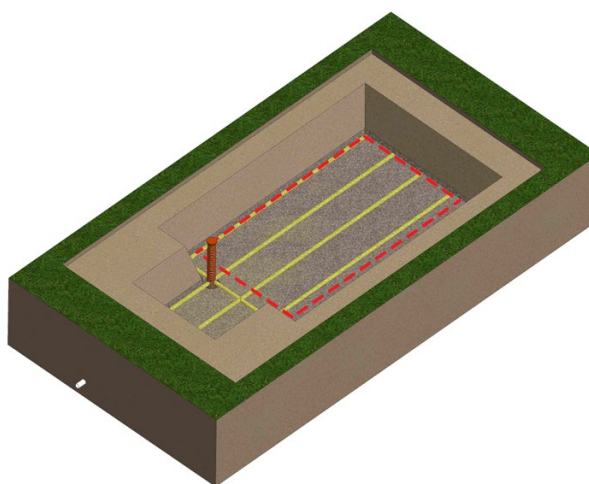
### 1. Installation of earth strip and drainage set – 1st Stage.

At the bottom, around the perimeter of the excavation, it is necessary to install an earth strip according to the applicable standards. For more details on electrical wiring, see the Electrical Wiring section



**The foundation slab must be permanently drained.** For proper drainage of the foundation slab, it is necessary to install drainage piping under the foundation; the piping should be connected to a drainage set (for drainage pump shaft + drainage pump permanently connected to a power supply, see the following paragraph). Ask your construction company for the ideal design of draining the pool foundation slab and any shafts, according to the local geological conditions. Be sure, though, to account not only for groundwater but also for rainwater, which may have equally negative effects on the pool shell as a whole, such as groundwater.

**Drainage shaft** – a pipe with a diameter of approx. 300 mm placed vertically (perpendicular to the foundation slab). Pour gravel with an 8/16 grain size onto the bottom of this pipe. There must be a height difference of at least 500 mm between the gravel and the final level of the pool foundation slab. The drainage set (pipe) serves as a reservoir for groundwater and rainwater accumulation and must be fitted with a submersible pump. This pump must trigger automatically when the water level in the drainage set rises and must be permanently connected to the power supply via an underground cable. The supply cable must run from the house switchboard, and yet it must not be connected through the switchboard in the technology shaft. The pumped water must flow out of the pool area and must not return under the pool.



### 2. Backfilling with Gravel and Drainage Piping Installation, 2nd Stage.

Spread gravel with an 8/16 grain size and depth of approx. 100 mm on the bottom of the excavation. The 80-mm drainage piping is to be laid in the gravel layer, with a slope towards the water outlet point (drainage set). The drainage piping must be laid with a minimum slope of 1% towards the water outlet (drainage pump shaft). In the layout, the mutual distances between the drainage pipes must not be greater than 800 mm.

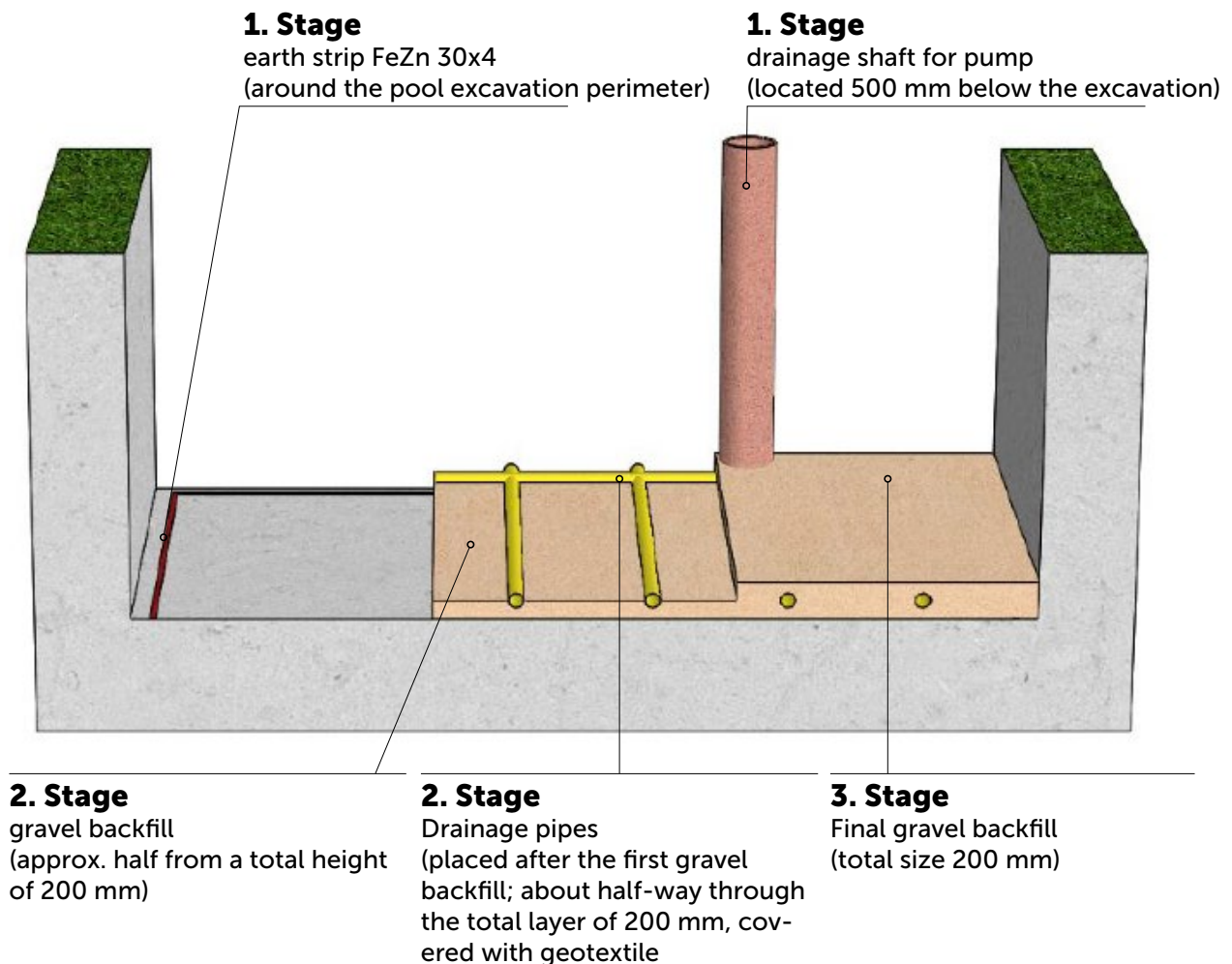
All drainage pipes must be covered with a special geotextile before being overlaid with gravel and concrete

# 3.

## Levelling the Bottom of the Excavation and Drainage of the Foundation Slab

### 3. Final Covering with Gravel, 3rd Stage.

Lay another approx. 100-mm-thick layer of gravel (grain size 8/16) on the first layer of gravel with the laid drainage pipes. The gravel needs to be adequately compacted, but be careful not to damage the drainage pipes.



#### Important notice:

Drainage of the foundation slabs is an essential part of the construction preparation. Rainwater and/or groundwater can cause quite extensive deformations of the pool shell; therefore the foundation slab of the pool must always be adequately drained. If the place for installing the pool is in sloping terrain, or, after beginning the earthworks, it is found that it has a clay subsoil (which means a higher probability of groundwater and its exercising of pressure on the pool body), we recommend that you have a geological survey conducted for foundation engineering. As a follow-up to its result, we recommend that you take extended construction and drainage measures in relation to the target site, which will be implemented outside the actual pool drainage system.

Damage to the pool caused by insufficient or inadequate preparation for construction is not covered by the right arising from defective performance. Therefore, it is important to monitor the construction company and its procedures continuously. We recommend regular photo documentation of all the construction steps.

# Concreting of the Foundation Slab

## 4.

### 1. Preparation of formwork for concreting.

Place the formwork on the compacted layer according to the floor plan dimensions on page 4. Formwork height of 200 mm (needs to be adjusted according to the other height parameters on page 5). The formwork must be horizontal. The flatness of the formwork is  $\pm 2$  mm around the entire perimeter. Final inspection of the backfilled excavation. **The base plate must not be built into the entire excavation. Leave an admitted gravel bed between the slab and the wall of the excavation.**

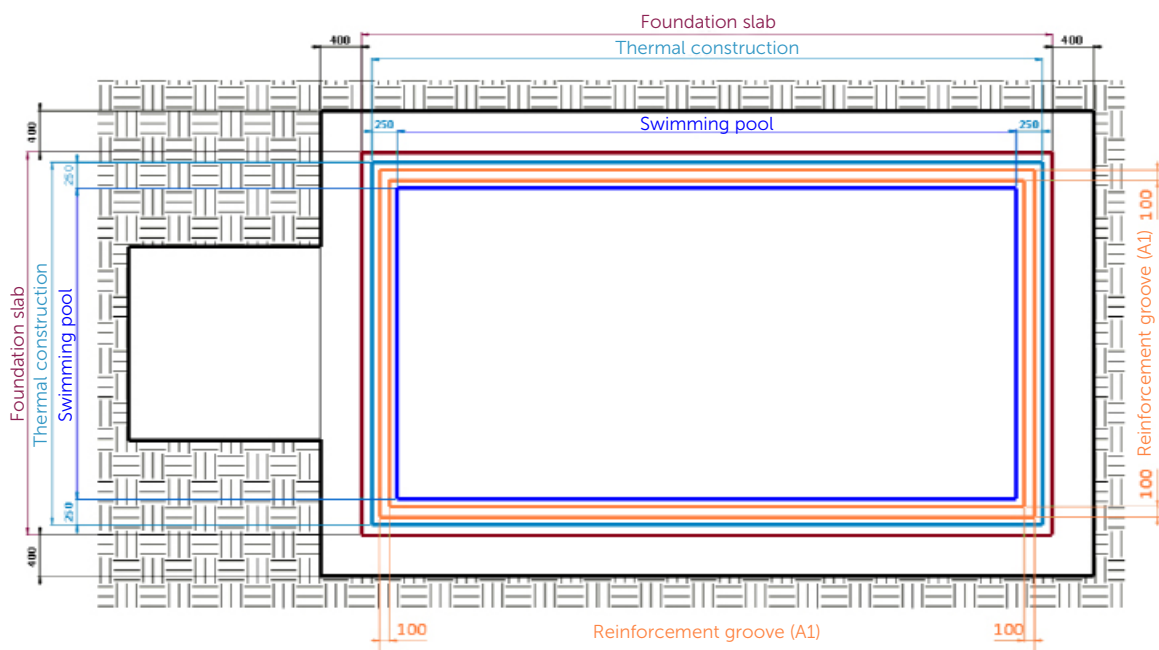
### 2. First Layer of Concrete.\*

Spread the first layer of concrete into the prepared formwork up to one-third of its height. The reinforcement will be placed on this layer.

Use C16/20 grade concrete for concreting the foundation slab, we recommend C16/20 S3.

### 3. Installation of Rebar Meshes and Preparation for Reinforcement Groove. 3. Stage

Reinforce the foundation slab using a rebar mesh with the dimensions of mesh 100x100 mm, wire 6 mm. It is not necessary to reinforce the foundation slab under the technology shaft. A reinforcement groove is recommended for perfect stabilisation of the pool during concreting. The reinforcement groove is used to connect the foundation slab and thermal structure on the pool shell. If you would like to create a reinforcement groove in the foundation slab, follow the procedure below.



| Dimensions of reinforcement grooves | A        | A1       |
|-------------------------------------|----------|----------|
| Pool QBIG BENEFIT – 3 x 6 m         | 3 350 mm | 6 350 mm |
| Pool QBIG BENEFIT – 3,5 x 7 m       | 3 850 mm | 7 350 mm |
| Pool QBIG BENEFIT – 4 x 8 m         | 4 350 mm | 8 350 mm |
| Pool QBIG BENEFIT – 3 x 7 m         | 3 350 mm | 7 350 mm |
| Pool QBIG BENEFIT – 3 x 8 m         | 3 350 mm | 8 350 mm |

\*The two layers of concrete should be poured at the same time.

# 4.

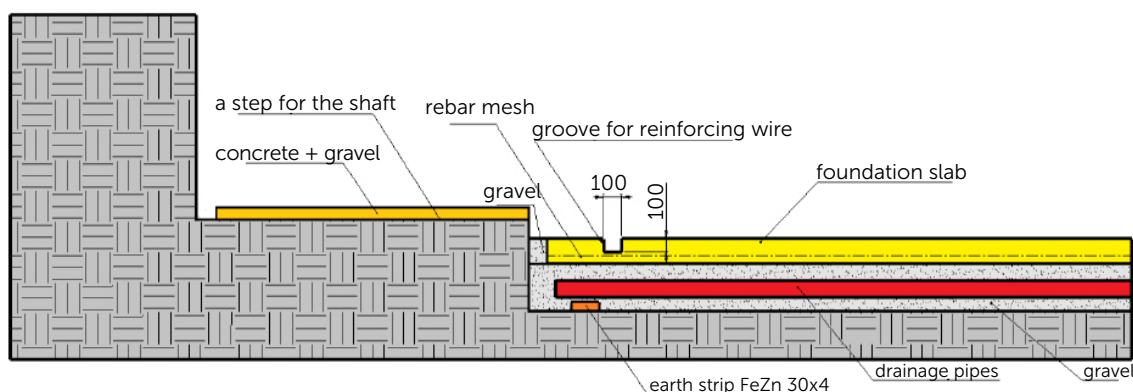
## Concreting of the Foundation Slab

### 4. Second Layer of Concrete (Preparation for Final Layer) 4th Stage\*

Now, pour a second layer of concrete on the laid rebar mesh, up to the height of the formwork. The concreting of the 2nd layer of concrete takes place immediately after the concreting of the 1st layer.

In this layer, create reinforcement grooves (reinforcement grooves are recommended; if you have not made preparations for them on your foundation slab, skip this step), where the vertical reinforcement will be installed in further steps through the thermal construction. The inner edge of the reinforcement groove should be at a distance of 75 mm from the inner edge of the pool shell all around the perimeter of the pool. (See figure and table on the previous page).

Required flatness of the foundation slab of  $\pm 2$  mm along the entire circumference and  $\pm 4$  mm across the rest of the surface.



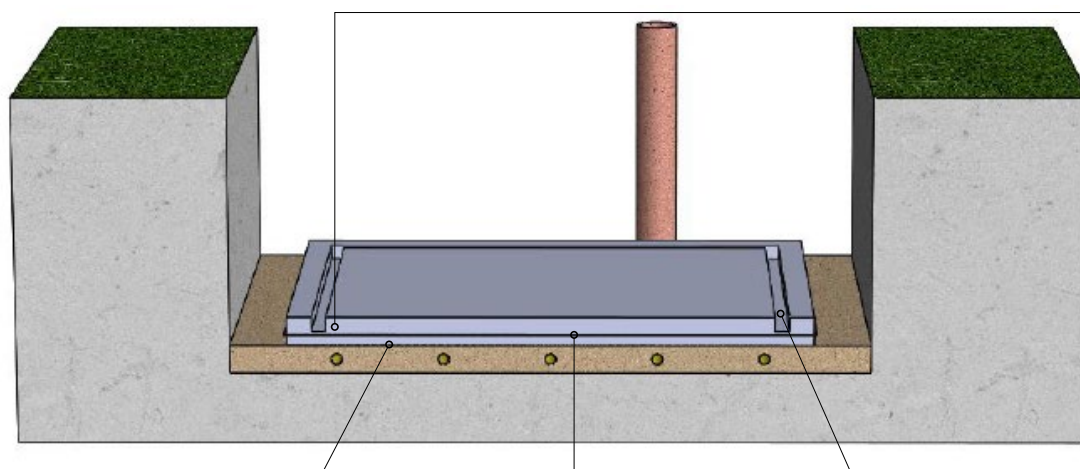
### 5. Final Layer of Concrete.

After at least 48 hours, carry out a flatness check. Apply this layer with a self-levelling cement screed only if the required flatness in the second layer has not been achieved.

Record the final surveying result in the attached protocol (CUSTOMER'S DECLARATION ON MEASUREMENT OF THE FOUNDATION SLAB FOR THE POOL).

#### 4. Stage

Second layer of concrete (up to the total height of the slab – 200 mm)



#### 2. Stage

First layer of concrete (approx. one-third of the height of the foundation slab)

#### 3. Stage

Rebar mesh (approx. one-third of the height of the foundation slab)

#### 3. Stage

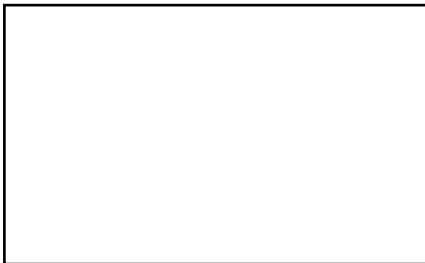

Reinforcement groove 100 x 100 mm (for reinforcing wire)

\*The two layers of concrete should be poured at the same time.

# Notification of Readiness for Construction

5.

sample of correctly completed form\* – green text

| Notification of Readiness for Construction   |                                |   |             |  |     |
|--|--------------------------------|---|-------------|--|-----|
| Purchase order number  | 123456789                      | Customer's name and surname                                 | Josef Novák |  |     |
| Address  | Novákova 123, Předměstí 123 45 |   |             |  |     |
| Dimensions of the pool according to the purchase order   | Width                          | Length  | Depth       | Units  |     |
|  | 400                            | 750   | 150         | cm   |     |
| <p>Empty field for drawings of any obstacles:<br/> The photo "Excavation Surroundings" shows the neighbour's fence, which is at a distance of 120 cm from the excavation.</p> <div style="display: flex; align-items: center; justify-content: space-around;"> <div style="text-align: center;"> <p>Excavation for the swimming pool</p>  </div> <div style="text-align: center;"> <p>Neighbour's fence</p>  </div> </div> |                                |   |             |  |     |
| The distance between the excavation and the place reachable by a vehicle carrying the pool   |                                | Clearance of the narrowest passage point (gates, trees,...) |             | Choose the type of crane to order according to the weight of the pool and the reach at which the pool is to be placed. With greater reach required, the lifting capacity of the cranes diminishes. |     |
| 150  | Units<br>cm                    | 450   | Units<br>cm |  |     |
| Photo documentation of the preparation for the construction: attached to the email   |                                |   |             |  |     |
| Excavation   | YES                            | Foundation slab   | YES         | Drainage set   | YES |
| Drainage shaft   | YES                            | Retention tank  | YES         | Drainage   | YES |
| Space to install technology shaft  | YES                            | Surroundings of the excavation                              | YES         | Other  | YES |
| Photo documentation of the driveway from the road to the excavation site: attached to the email  |                                |   |             |  |     |
| Access road  | YES                            | Entrance to the property                                    | YES         | Parking place for the vehicle with the pool to install   | YES |
| Please send this form along with complete photo documentation to: <a href="mailto:montaze.bazeny@albixon.cz">montaze.bazeny@albixon.cz</a>   |                                |   |             |  |     |
| The customer must submit a complete set of photographs resulting from the "Notification of Construction Readiness" (according to Section 5 of the Civil Code). Failure by the customer to submit the documentation may result in the supplier's refusal to install and connect the pool. In the event of a deliberate failure to comply with construction readiness, a "Client's Order" may be issued to address the situation.  |                                |   |             |  |     |

\* The blank form can be found on page 25.



# 6.

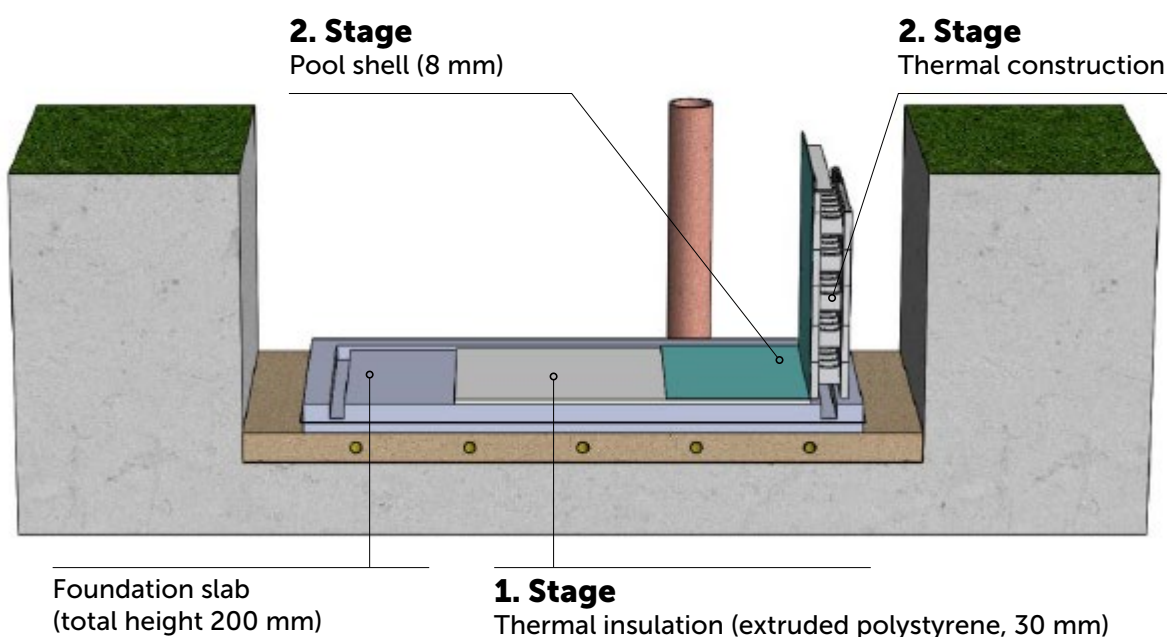
## Placing the Pool Shell and Installation of the Pool Technology

### 1. Laying the thermal insulation. 1st Stage

Place thermal insulation (extruded polystyrene, 30 mm in thickness, min. compressive strength of 200 kPa) on the foundation slab, under the bottom of the pool, and secure it against shifting, for example by using polystyrene with a groove.

### 2. Placing the Pool Shell in the Excavation (in conjunction with the supplier) 2nd Stage

Set the pool shell in place, in accordance with the local conditions. Once the shell has been laid, the customer should check the correct location and approve the fact with the workers installing the pool. After placement in the excavation and approval of placement, start filling the pool with water that serves as an effective weight (up to a water level of about 300 mm).



### 3. Placing Technology Shafts in the Excavation.

Placing technology shafts in the prepared excavation.

### 4. Complete Installation of the Pool Technology

Installation of technology and its interconnection via pipes with the pool shell. In order to interconnect the pool and the technology shaft correctly, it is necessary to have an accurately prepared step for the shaft in accordance with Chapter 2 Excavation Depth.

### 5. Tightness Test by Flooding the Technology

The tightness of joints and pipes is verified by performing a "technology flooding". For this test it is necessary to ensure a sufficient amount of water to fill the technology to a water level of about 300 mm.

### 6. Underlay of the Overflow Channel (to be provided by the customer)

If not concreted under within 48 hours of delivery, the overflow channel must be underlain. Make the underlay according to the technical data sheet for the pool, which is part of the contract for work. Do not fill the overflow channel with water before the concreting; see page 19.



#### Warning!

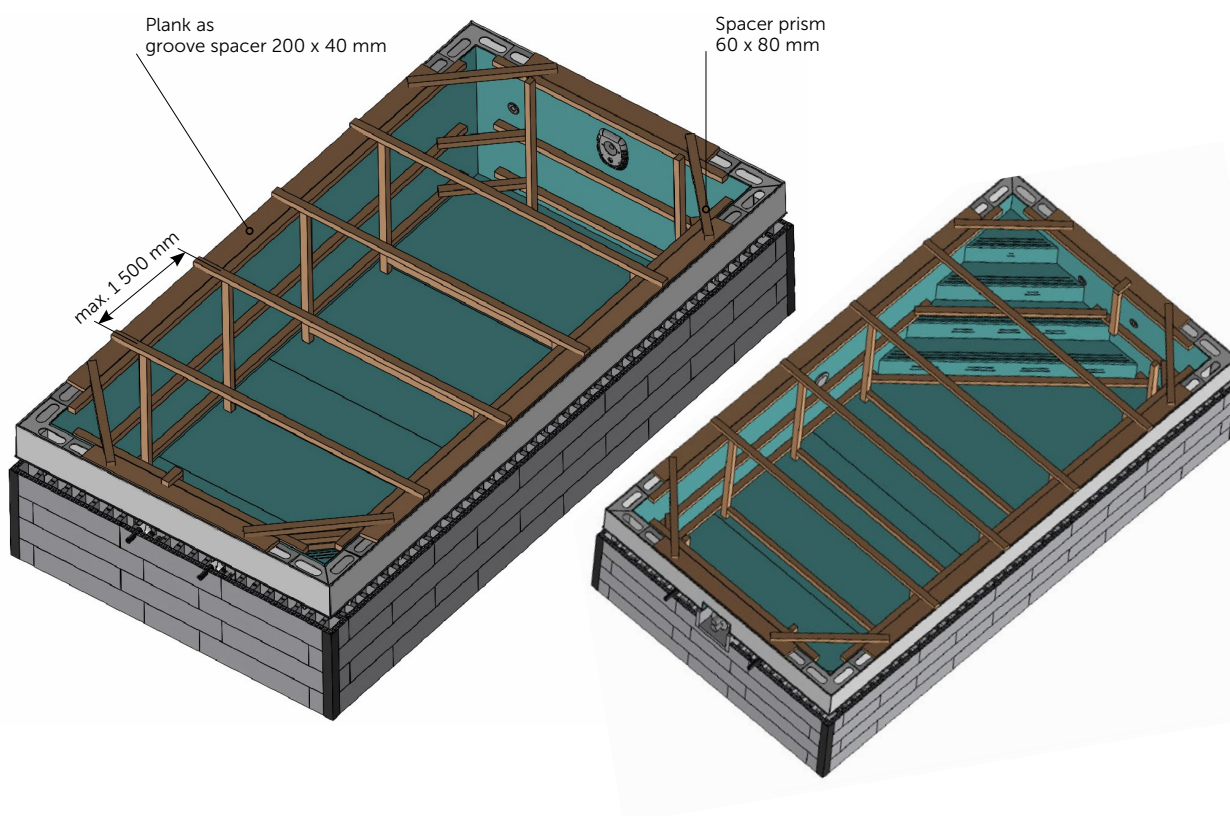
– it is necessary to carry out works subsequently at least according to points 7 and 8 of the construction preparation document so as to prevent damage to the pool (torrential rain, collapse of the excavation wall, etc.).

## 1. Bracing the Pool Shell

Before concreting, appropriate bracing needs to be put in place to support the pool shell. The braces are placed in order to prevent any potential deformations of the pool shell. Deformations may occur as a result of careless handling of the concrete and soil pack. The pool's walls must not deform either in or out; the wall must be flat. It is always necessary to use internal bracing of the pool shell. When installing the braces, care must be taken not to damage the pool's interior walls by wrapping the braces, e.g. using geotextile. With proper bracing and support for the overflow channel, its outer edge should be 18 mm higher than the inner edge. For a proper execution of the bracing of the pool shell, it is necessary to temporarily remove the trim tube on the inner edge of the pool (does not apply to V02, where there is no trim tube). Horizontal bracing must be omitted within a distance of 200-250 mm from the pool's corners in both directions from each corner; see below, highlighted in red.

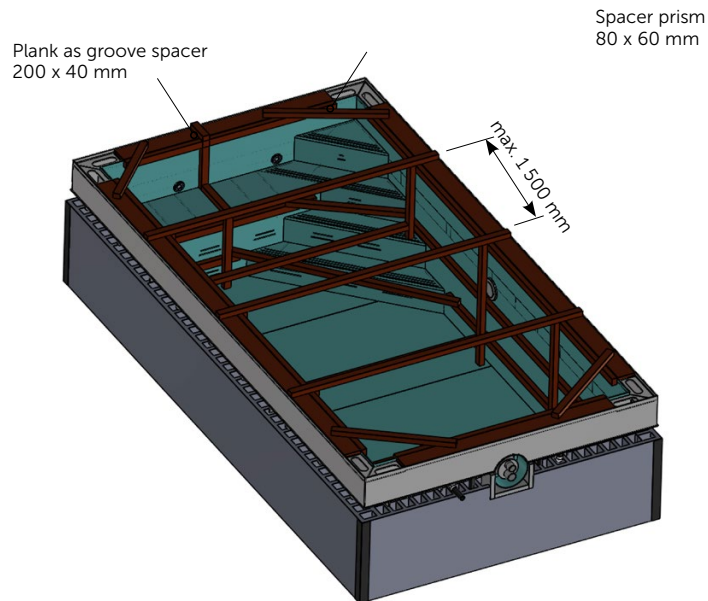
### Warning

If the pool is installed outside the bathing season, it is necessary to remove the bracing and fill the pool with water after the concreting operations and soil pack are completed. This is to prevent deformations caused by rainwater and similar influences. If left in the pool over winter, the wooden struts may cause local discolouration of/damage to the polypropylene by resin or expansion caused by humidity and temperature changes.



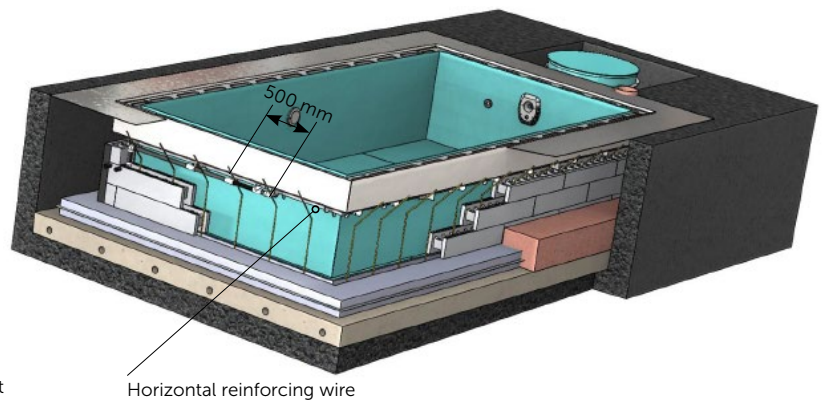
# 7.

## Bracing the Pool and Follow-up Pack



### 2. Reinforcement Under the Overflow Channel and Thermal Construction

In places under the overflow channel, the pool's walls are to be anchored via anchoring elements. The anchoring is done with reinforcing steel rods with a diameter of 8 mm, which are slid through the holes in the anchoring elements under the overflow channel (horizontal reinforcement). Insert the vertical steel rebars in the thermal construction, with a length of 1500 mm (for a pool depth of 1500 mm) or with a length of 1200 mm (for a 1200-mm pool depth) and with Ø 8 mm. The maximum distance between the vertical reinforcements is 500 mm. The values given are minimum lengths; greater lengths may be used, with the provision that they must not damage the thermal construction or the outer shell of the pool and overflow channel. The reinforcements of the thermal construction strengthen the entire frame of the pool and are essential for the structure to be sufficiently firm. The reinforcement must not be connected into one unit at the corners of the pool.



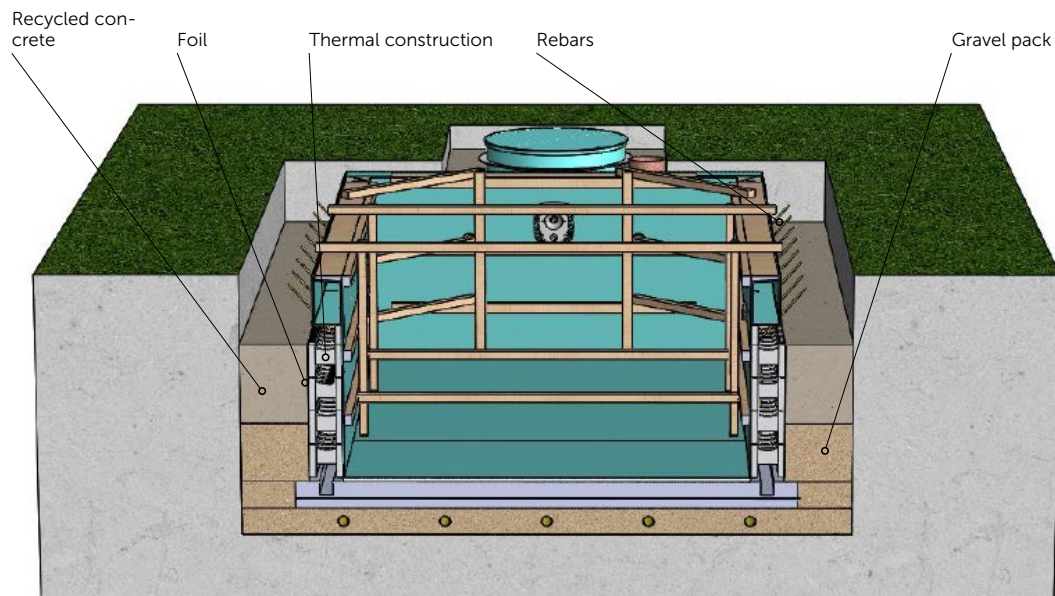


## 3. Securing the Thermal Construction Against External Influences

From the outside of the thermal construction, use a suitable foil to prevent roots from growing through.

## 4. Gravel and Soil Packs

After the reinforcing rods have been placed, the perimeter of the pool can be packed to about one-third of its height with 8/16-grade gravel (no compacting!). Fill the rest of the height with a concrete recycled product with a grain size of 0/32 or with material with similar properties that does not contain larger pieces of aggregate or sharp objects and does not need to be compacted. Before starting the actual packing, check that in the backfill area there is no light junction box, piping valve or other components that need to remain accessible. The pack must exert sufficient power to press the thermal construction onto the pool shell.



# 8.

## Concreting the Thermal Construction

### 1. Determining a Suitable Ambient Temperature.

The pool shell must not be concreted at temperatures of 10 °C or below. However, neither must concreting be carried out at temperatures of 25 °C or higher. polypropylene is highly resistant to puncture, breakage, cutting, or shearing; it is not brittle at normal temperatures, and is sufficiently hard and firm. Because of the general physical properties of plastics and as with other types of polypropylene, this material is also thermally expandable. This is a natural physical phenomenon. Exposure to sun, hot air when draining the pool or water that is too hot may cause the walls and sides of the pool to bulge (form waves). In concreting outside the ideal range of temperatures of 10-25 °C specified by the manufacturer the material of the pool is subjected to pressures that are associated with the thermal expansion of the material. In the event of concreting outside the indicated range, changes in shape may occur in the pool shell. Such changes cannot be subject to defective performance claims.

### 2. Start of Concreting Works

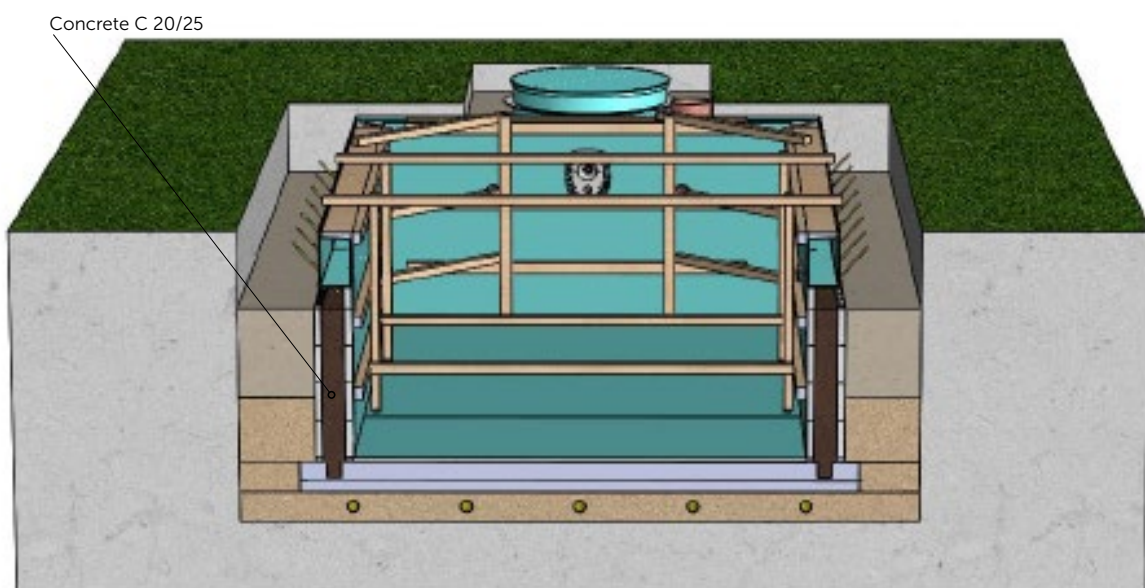
Pour the concrete mixture carefully onto the thermal structure prepared in this way, layer by layer. Pour around the entire circumference of the thermal structure rather than in a single place. After pouring up to about 200 mm, check the verticality and horizontality of the polystyrene pool shell and the integrity of the polystyrene cladding. Do not use vibrations to compact the concrete mixtures in the thermal structure.

Use semi-liquid C 20/25 reinforced concrete, with a consistency of S3 and aggregate size of 0/8, for concreting the thermal structure; in the event of increased fluidity, when pouring the walls, the use of a plasticiser is recommended. Fill manually or using a continuous-control auto pump, preferably through a hose with a diameter of 65 mm. Where reinforcement is used, the thermal construction must not be damaged.

If it is necessary to eliminate conventional reinforcements, it is possible to use STEELCRETE D reinforced-fibre concrete or C 20/25 XC1 reinforced-fibre concrete with a fibre content of 0.6kg/m<sup>3</sup>.

The approximate consumption of C 20/25 concrete (with an aggregate size of 0/8) is 0.14 m<sup>3</sup> per m<sup>2</sup> of the thermal structure:

|  |  |
|--|--|
| overflow 2,25 m x 3,75 m – depth 120 – 1,90 m <sup>3</sup> | overflow 3,5 m x 7 m – depth 135 – 2,80 m <sup>3</sup> |
| overflow 3 m x 3 m – depth 120 – 1,20 m <sup>3</sup>       | overflow 3,5 m x 7 m – depth 150 – 3,10 m <sup>3</sup> |
| overflow 3 m x 6 m – depth 120 – 2,10 m <sup>3</sup>       | overflow 4 m x 8 m – depth 120 – 2,70 m <sup>3</sup>   |
| overflow 3 m x 6 m – depth 135 – 2,20 m <sup>3</sup>       | overflow 4 m x 8 m – depth 135 – 3,20 m <sup>3</sup>   |
| overflow 3 m x 6 m – depth 150 – 2,70 m <sup>3</sup>       | overflow 4 m x 8 m – depth 150 – 3,50 m <sup>3</sup>   |
| overflow 3,5 m x 7 m – depth 120 – 2,40 m <sup>3</sup>     |  |



# Concreting the Thermal Construction

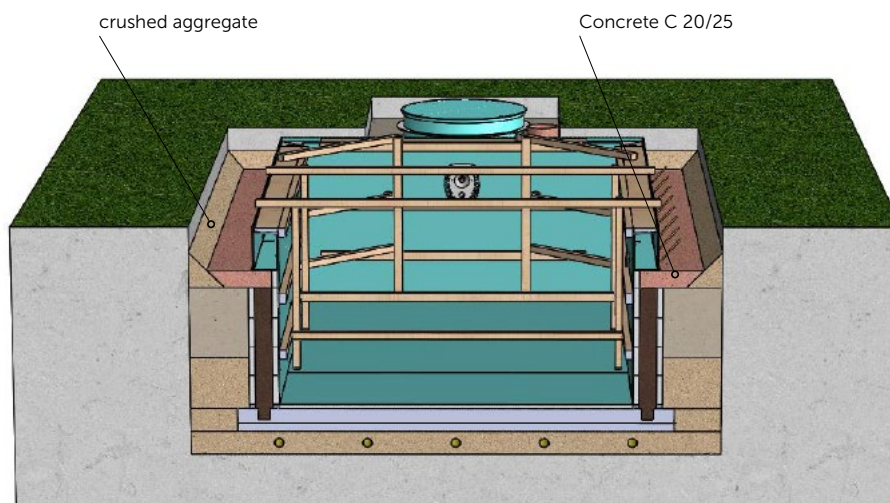
8.

## Warning

If water is drained from the pool because of the installation of timber support, it is necessary to re-admit about 30 cm of water into the pool and maintain this water level throughout the concreting operations.

### 3. Final backfill of the thermal construction

After the concrete has hardened in the thermal construction, fill the remaining space to the height of the thermal construction with gravel with a grain size of 8/16. Subsequently, using crushed aggregate, create a space for pouring thin concrete according to the cross-section below.



### 4. Concreting of Technology Shaft (if part of the contract for work)

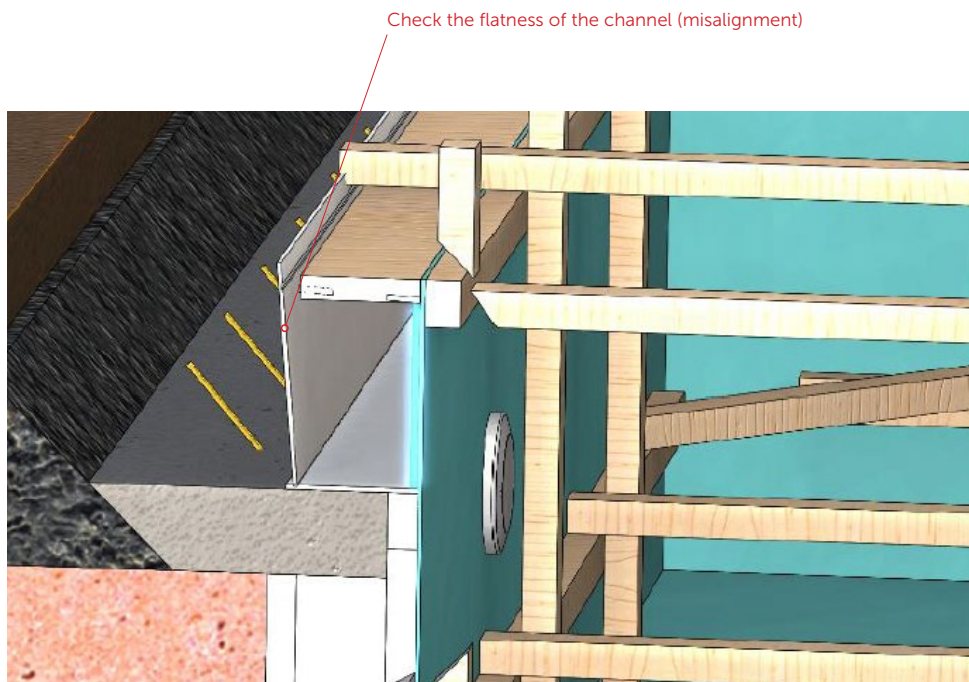
If a technology shaft is part of the delivery, it is to be applied with lining or concreting. The lower part of the technology shaft must be anchored in concrete and then lined with concrete in a layer about 150 mm thick up to the top plastic collar, which must be concreted into the base plate for the final surface. The technology shaft can be protected against damage by geotextile. Depending on local conditions (changes between shade and sun, etc.), it is necessary to insulate the inner surface of the shaft cover with polystyrene at least 30 mm thick. This insulation will prevent the condensation of moisture on the inside of the cover. The interior of the shaft should be dry and ventilated. To ensure this, place a support under the shaft cover so that air can flow between the edge of the shaft wall and below the cover. These measures are the responsibility of the user with regard to the local conditions in which the shaft is located (changes between shade and sun, ambient humidity, etc.). Pipes connected in the ground from the pool to the technology shaft or to the service room must be laid in a sandy bed with a minimum covering of 100 mm above and below the pipe, thanks to which any pressures on the pipe are equalized. Provide the pipe with suitable insulation, for example a Mirelon sleeve, with a thickness of 10 mm, which will prevent mechanical damage to the pipe, but does not perform the function of thermal insulation. The sand bed must be provided from the duct transition to the technology shaft up to the piping outlet from the thermal construction. The sand bed must be free of stones and clay. Vehicles must not pass over the locations of pipes or they must be sufficiently protected by the customer.

# 8.

## Concreting the Thermal Construction

### 5. Concreting Under the Overflow Channel

Prior to the actual concreting of the overflow channel, secure its flatness with sufficient support. Use beams spaced no more than 500 mm apart as the support. The overflow channel must be levelled around the perimeter. The beams must not bend; otherwise the overflow channel would be diverted. The beam must be secured against shifting. Check that the channel is not misaligned outwards or inwards. The outer edge of the overflow channel is 18 mm higher than the inner edge when the channel is lined and the pool shell is braced correctly. Concreting under the overflow channel should be carried out simultaneously with anchoring the pool shell with C 20/25 with aggregate grain size 0/8. The space under the channel must be completely filled – this layer of concrete ensures the stability of the overflow channel. We recommend continuing the concreting only after the concrete layer under the channel has set. **During concreting, ensure that the supply cable and the light box are not concreted.**





# Making the Base Plate for the Final Surface

9.

## 1. Measures against Damage to the Overflow Channel Casing.

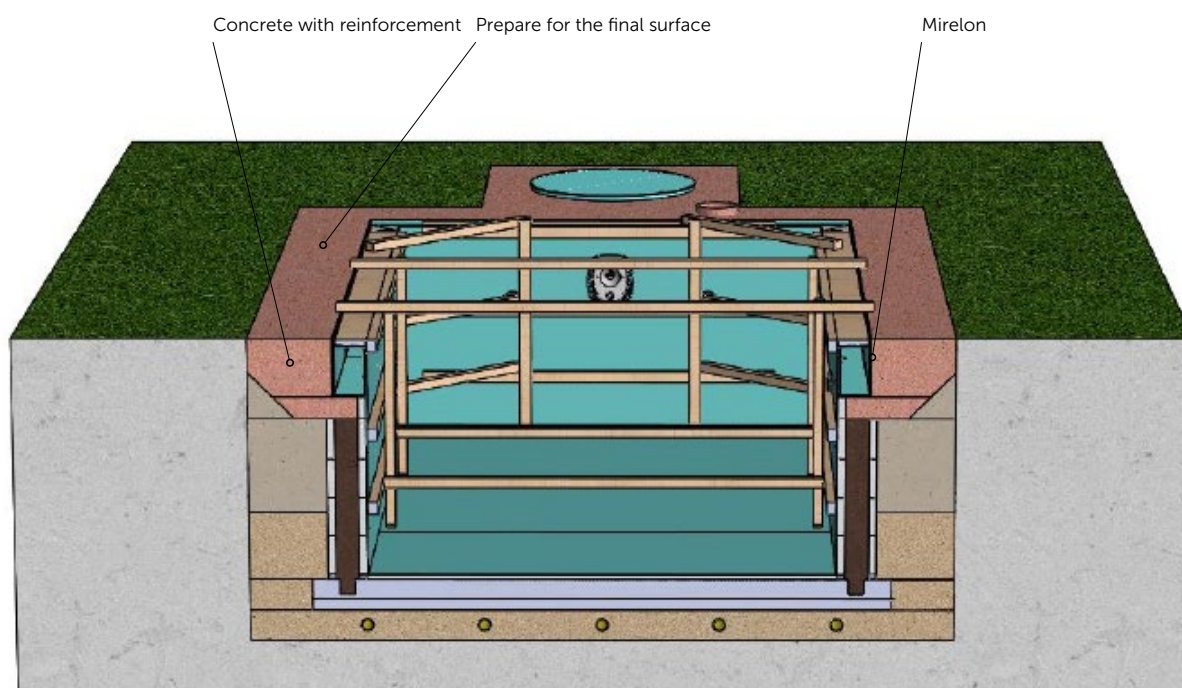
Provide suitable protection against damage for the pool shell around the perimeter, for example by applying a mirelon tape that protects the casing of the overflow channel from damage by sharp objects and, at the same time, allows for dilatation.

## 2. Gravel Underlay for Final Surface

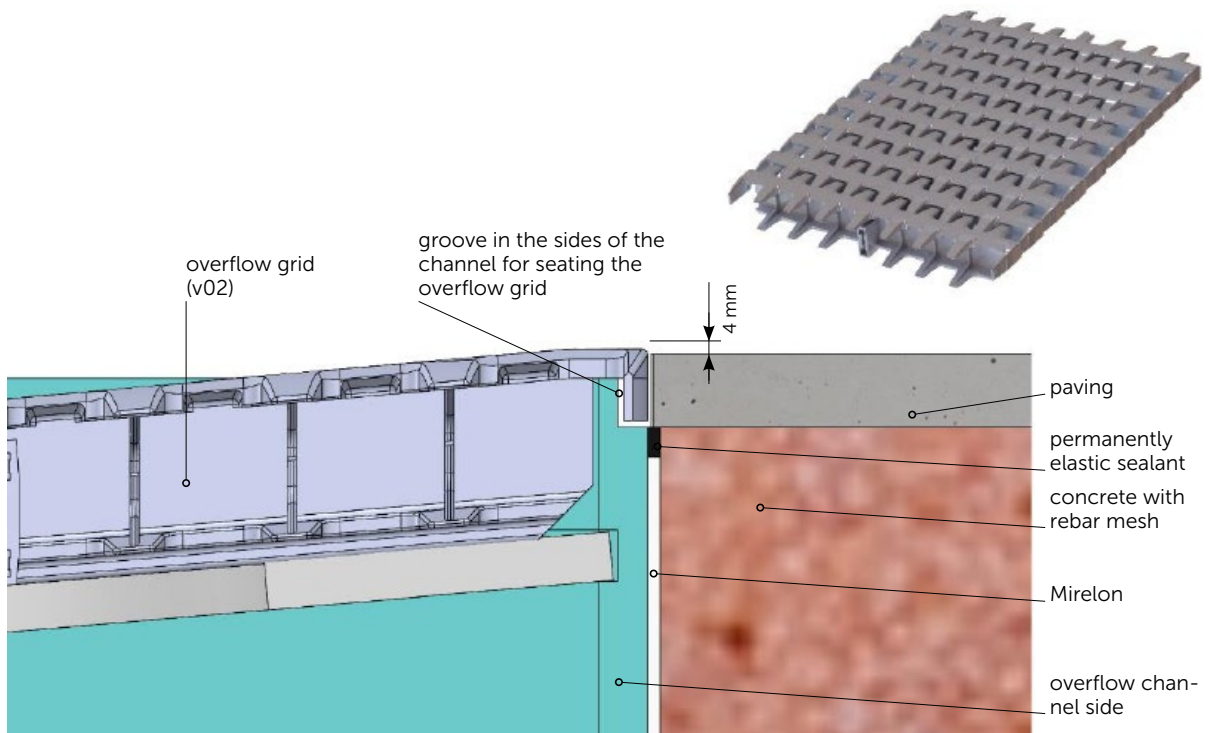
We recommend laying gravel aggregate (grain size 16/32) under the concrete plate on which the final surface around the pool will be created. Prepare the gravel bed in such a way that the overflow channel can be concreted over its entire height. The upper visible part must be connected to the final surface by means of commonly available permanently elastic sealants (ideally, the filled space between the final surface and the pool outer wall is at least 5 mm).

## 3. Making the Base Plate for the Final Surface

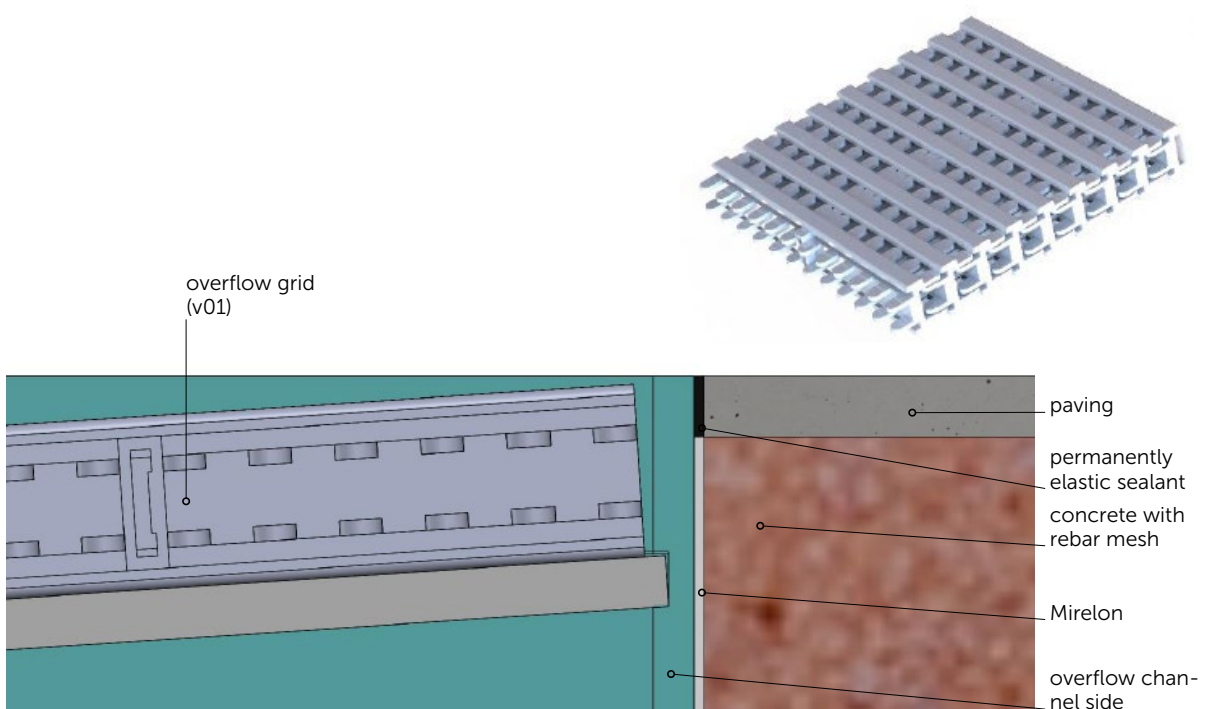
The height of the base plate depends on the height of the final surface (paving, stone carpet,...) and its levelling. This plate should be made of monolithic concrete reinforced with rebar mesh (mesh 100x100 mm, wire 6 mm). The height of the base plate depends on the height of the type of paving that is chosen. Make the final base plate for the paving; any irregularities can be levelled with a trowel. At this stage, it is also necessary to install anchoring elements (plastic footing) for the pool steps and junction boxes for the pool lights, if these are part of the contract for work. The final surface for the enclosure, if any, must be firmly connected to the concrete base. Paving is the most suitable option of the final surface. It must be firmly attached to the concrete base (must not be supported by sand or gravel). Other suitable types of final layers include all solid materials that are designated for the purpose, to be firmly attached to the concrete base. The upper visible (final) part must be connected by means of commonly available permanently elastic sealants to the outer coat of the overflow channel (ideally, the filled space between the final surface and the pool outer wall is at least 5 mm).



## Placing the v02 overflow grid



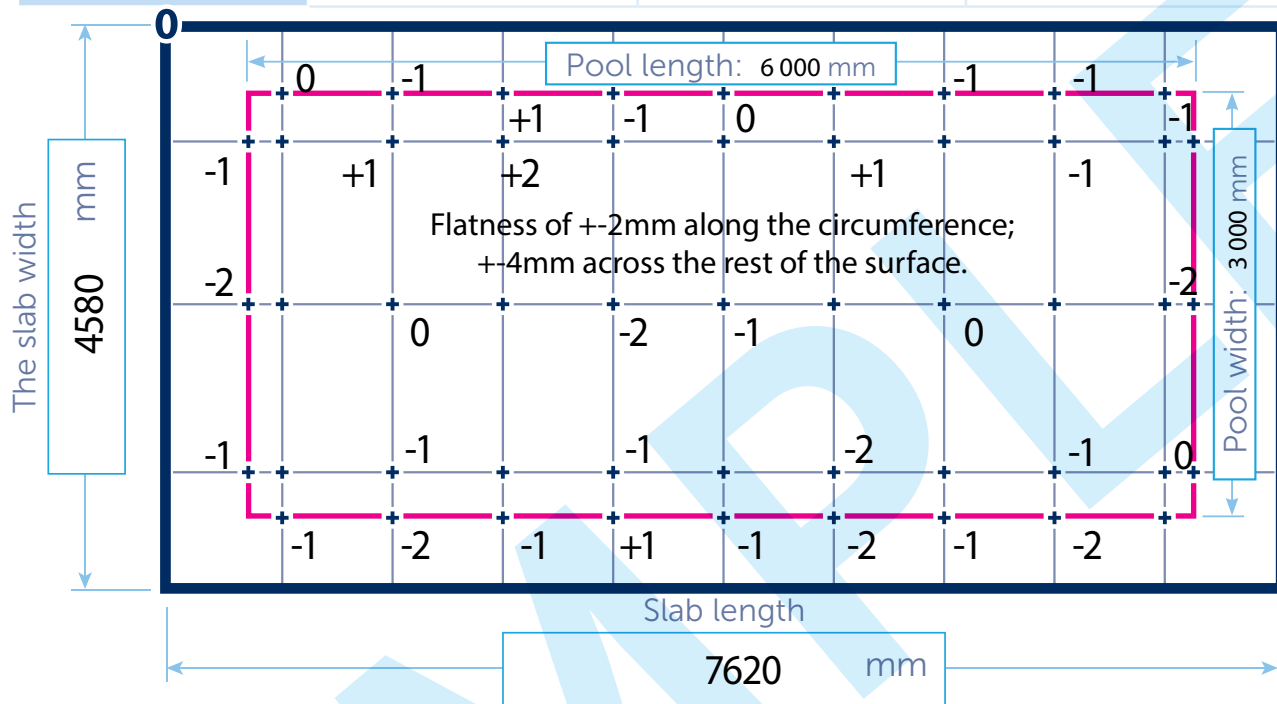
## Placing the v01 overflow grid





# CUSTOMER'S STATEMENT ON REMEASURING THE POOL FOUNDATION SLAB

|  |                                 |                         |           |
|--|---------------------------------|-------------------------|-----------|
| Business case number                                   | 1234567890                      | Name and surname of the | Jan Novak |
| Address  | Zbraslavská 55, Praha 5, 158 00 |                         |           |
| Pool dimensions according to the business case         | Width                           | Length                  | Depth     |
|  | 3 000 mm                        | 6 000 mm                | 1 500 mm  |
| Excavation pit dimensions<br>(Minimum required values) | Pit width                       | Pit length              | Pit depth |
|  | 4 500 mm                        | 7 500 mm                | 1 500 mm  |
| Measured excavation pit dimensions                     | 4580 mm                         | 7620 mm                 | 1530 mm   |



**i** 0 – reference point of measuring **Minimum number of measurements:** + 20 points on the perimeter + 12 inner points (all measured details must be specified in mm)

Flatness of the foundation slab **OK / NOT OK** in terms of the mandatory tolerance: - overflow pool around the perimeter +2mm, in the remaining area +4mm

\* cross out which doesn't apply

**Failure to comply with the prescribed level of the base plate will not cause water to spill evenly over the entire perimeter of the pool, and this cannot be the subject of a claim.**

Remeasuring of the mandatory tolerance must be done by an authorised person.

**Options of remeasuring and confirming the measured values:** (circle the chosen option)

- The customer remeasures the slab personally and takes full responsibility for the values and parameters specified in the report
- Remeasuring will be carried out by an authorised person in the construction industry – the parameters specified in the report are the responsibility of the authorised person
- Remeasuring will be made by the ALBIXON a.s. engineer - this service will carry a charge of CZK 5,000**
- In case of non-observance of flatness, implementation will take place only at the order of the customer

**Submission of this duly completed and confirmed customer statement is a condition of entering into an agreement for the handover of the workplace and starting works by ALBIXON a. s.**

**ALBIXON a. s. points out that in case of delay in notification of construction readiness, the delivery date specified in the agreement will be extended accordingly.**

**Use an optical or laser device with a minimum measurement accuracy of +/- 1 mm / 10 m to measure the mandatory horizontality.**

|                                   |   |   |   |
|-----------------------------------|---|---|---|
| Measured on:<br><br>20.2.<br>2016 | Type of used of the device:<br><br>HILTI PR-2 HS              | Parameters and accuracy of the device:<br><br>+/- 0,5 mm/10 m | The date of the latest device calibration<br><br>11. 11. 2015 |
|                                   | Measurement/ alignment made by:<br><br>Frantz Kozel, Stavbaz, | Authorisation number:<br><br>CKAIT - xxxxxxxx                 | Date, stamp and signature:<br><br>20.2.2016                   |
|                                   | Customer name and surname:<br><br>Jan Novak                   | Date and signature:<br><br>20.2.2016                          |   |

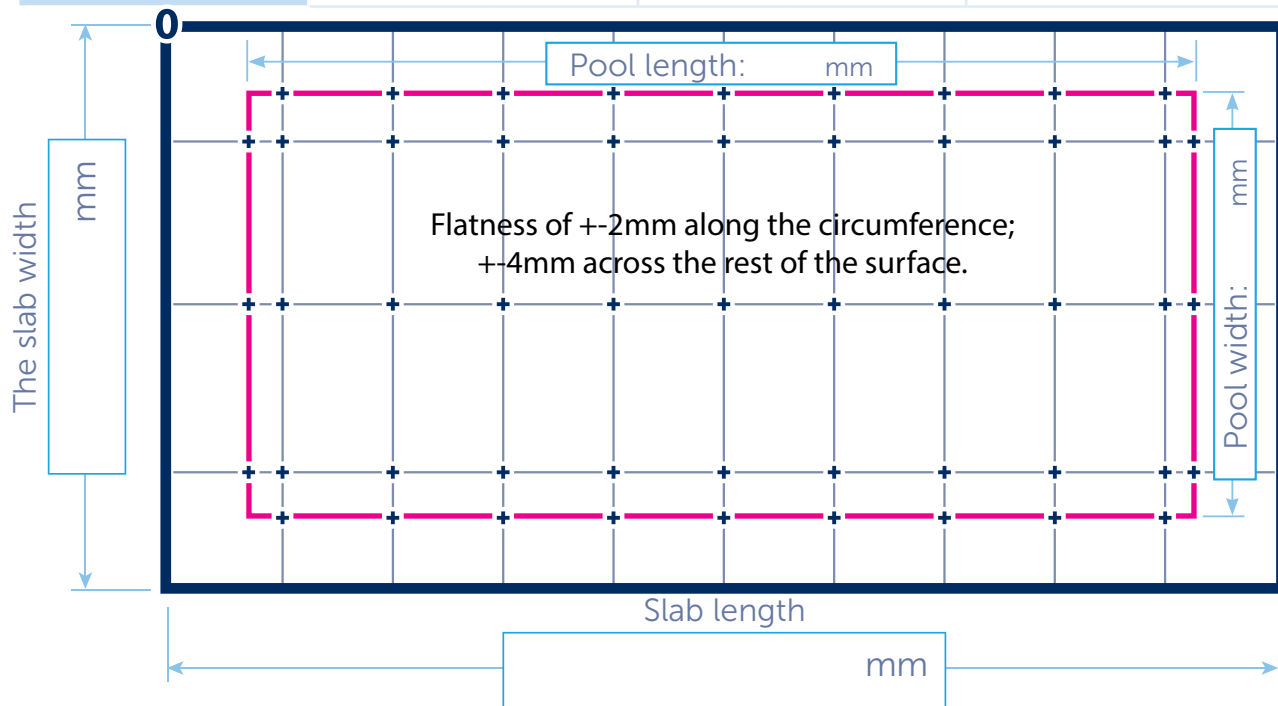


**Send the properly completed report to the address:** montaze.bazeny@albixon.cz



# CUSTOMER'S STATEMENT ON REMEASURING THE POOL FOUNDATION SLAB

|  |                         |            |           |
|--|-------------------------|------------|-----------|
| Business case number                                   | Name and surname of the |            |           |
| Address  |                         |            |           |
| Pool dimensions according to the business case         | Width                   | Length     | Depth     |
|  | mm                      | mm         | mm        |
| Excavation pit dimensions<br>(Minimum required values) | Pit width               | Pit length | Pit depth |
|  | mm                      | mm         | mm        |
| Measured excavation pit dimensions                     | mm                      | mm         | mm        |



0 – reference point of measuring **Minimum number of measurements:** + 20 points on the perimeter + 12 inner points (all measured details must be specified in mm)

Flatness of the foundation slab **OK / NOT OK\*** in terms of the mandatory tolerance: - overflow pool around the perimeter  $\pm 2\text{mm}$ ,  
in the remaining area  $\pm 4\text{mm}$

\* cross out which doesn't apply

**Failure to comply with the prescribed level of the base plate will not cause water to spill evenly over the entire perimeter of the pool, and this cannot be the subject of a claim.**

Remeasuring of the mandatory tolerance must be done by an authorised person.

**Options of remeasuring and confirming the measured values:** (circle the chosen option)

1. The customer remeasures the slab personally and takes full responsibility for the values and parameters specified in the report
2. Remeasuring will be carried out by an authorised person in the construction industry – the parameters specified in the report are the responsibility of the authorised person
3. Remeasuring will be made by the ALBIXON a.s. engineer - this service will carry a charge of CZK 5,000
4. In case of non-observance of flatness, implementation will take place only at the order of the customer

**Submission of this duly completed and confirmed customer statement is a condition of entering into an agreement for the handover of the workplace and starting works by ALBIXON a. s.**

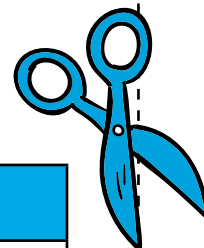
**ALBIXON a. s. points out that in case of delay in notification of construction readiness, the delivery date specified in the agreement will be extended accordingly.**

**Use an optical or laser device with a minimum measurement accuracy of  $\pm 1\text{ mm} / 10\text{ m}$  to measure the mandatory horizontality.**

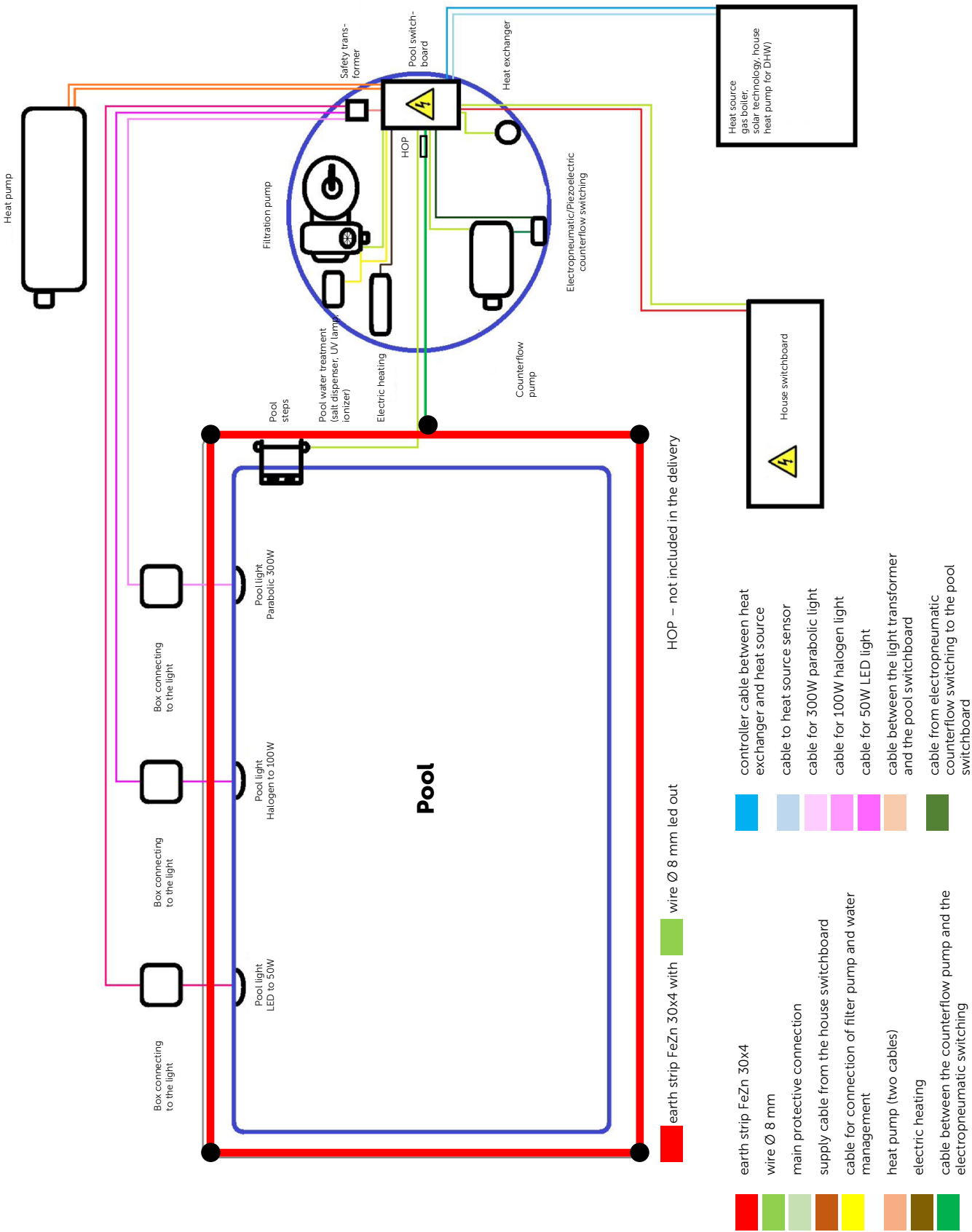
|              |                                       |  |   |
|--------------|---------------------------------------|--|---|
| Measured on: | Type of used of the device:           | Parameters and accuracy of the device: | The date of the latest device calibration |
|              | Measurement/<br>alignment<br>made by: | Authorisation number:                  | Date,<br>stamp and<br>signature:          |
|              | Customer name<br>and surname:         | Date<br>and<br>signature:              |   |



**Send the properly completed report to the address:** montaze.bazeny@albixon.cz



| Notification of Readiness for Construction  |       |   |       |  |  |
|---|-------|---|-------|--|--|
| Purchase order number   |       | Customer's name and surname                                 |       |  |  |
| Address   |       |   |       |  |  |
| Dimensions of the pool according to the purchase order  | Width | Length  | Depth | Units  |  |
|   |       |   |       |  |  |
| Empty field for drawings of any obstacles:  |       |   |       |  |  |
| The distance between the excavation and the place reachable by a vehicle carrying the pool  |       | Clearance of the narrowest passage point (gates, trees,...) |       | Choose the type of crane to order according to the weight of the pool and the reach at which the pool is to be placed. With greater reach required, the lifting capacity of the cranes diminishes. |  |
|   | Units |   | Units |  |  |
|   |       |   |       |  |  |
| Photo documentation of the preparation for the construction: attached to the email  |       |   |       |  |  |
| Excavation  |       | Foundation slab   |       | Drainage set   |  |
| Drainage shaft  |       | Retention tank  |       | Drainage   |  |
| Space to install technology shaft   |       | Surroundings of the excavation                              |       | Other  |  |
| Photo documentation of the driveway from the road to the excavation site: attached to the email   |       |   |       |  |  |
| Access road   |       | Entrance to the property                                    |       | Parking place for the vehicle with the pool to install   |  |
| Please send this form along with complete photo documentation to: <a href="mailto:montaze.bazeny@albixon.cz">montaze.bazeny@albixon.cz</a>  |       |   |       |  |  |
| The customer must submit a complete set of photographs resulting from the "Notification of Construction Readiness" (according to Section 5 of the Civil Code). Failure by the customer to submit the documentation may result in the supplier's refusal to install and connect the pool. In the event of a deliberate failure to comply with construction readiness, a "Client's Order" may be issued to address the situation. |       |   |       |  |  |



**Filtration; XHPFD(PLUS) 60–140 thermal pump without counterflow**

- CYKY 3 J x 4 + CY 6 ZŽ supply cable (main protective connection, hereinafter "HOP") including current protector with residual current 30 mA
- 20A/1/B supply cable circuit breaker
- 25A/3/B main house circuit breaker

**Filtration; XHPFD(PLUS) 60–140 thermal pump with counterflow**

- CYKY 5 J x 4 + CY 6 ZŽ supply cable (main protective connection, hereinafter "HOP") including current protector with residual current 30 mA
- 20A/3/B supply cable circuit breaker
- 25A/3/B main house circuit breaker

**Filtration; XHPFD(PLUS) 160–200tri thermal pump with counterflow**

- CYKY 5 J x 6 + CY 6 ZŽ supply cable ("HOP") including current protector with residual current 30 mA
- 25A/3/B supply cable circuit breaker
- 32A/3/B main house circuit breaker

**Filtration; XHPFDPLUS 200 thermal pump with counterflow**

- CYKY 5 J x 6 + CY 6 ZŽ supply cable ("HOP") including current protector with residual current 30 mA
- 40A/3/B supply cable circuit breaker
- 50A/3/B main house circuit breaker

The listed cross-sections of the supply cables are recommended for a distance of up to 25 m between the pool and house distributor. If the distance is greater, the cross-section of the supply cable must be increased accordingly.

The supply cable from the house switchboard to the technology shaft must be provided by the customer before the ordered components are delivered. The supplier does not provide the connection of the supply cable from the house switchboard to the technology shaft. The supply cable must be revised for the connection to the technology shaft. The supplier does not perform the revision of the supply cable. In order to be able to connect the supply cable to the pool technology distributor, it must have a length of at least 1.5 M at the point of connection.

**Counterflow pump cables**

- CYSY 5 J x 1.5 cable from the counterflow pump to the electropneumatic switching
- CYA 6 ZŽ cable for HOP of the counterflow pumps
- CYKY 5 J x 2.5 cable from the electropneumatic switching of counterflow to the pool switchboard
- 10A/3/C circuit breaker in the pool switchboard

**Cables for the filtration pump without pool water treatment (salt dispenser, UV lamp, ionizer)**

- CYKY 3 J x 1.5 cable from the filtration pump to the pool switchboard
- 4A/1/C circuit breaker in the pool switchboard

**Cables for the filtration pump with pool water treatment (salt dispenser, UV lamp, ionizer)**

- CYKY 3 J x 1.5 cable from the filtration pump and the pool water treatment to the pool switchboard
- 6A/1/C circuit breaker in the pool switchboard

**Cables for pool lights**

- CYKY 3 J x 2.5 cable between light up to 50W and transformer for lights
- CYKY 2 J x 4 cable between light up to 100W and transformer for lights
- CYKY 2 J x 6 cable between light up to 300W and transformer for lights
- the circuit breaker in the pool switchboard for the light transformer is to be determined according to the final sum of the values (W) of the lights

## Cables for the heat pump XHPFD(PLUS) 60–140

- CYKY 3 J x 2.5 cable between heat pump and pool switchboard
- 20A/1/C circuit breaker in pool switchboard

## Cables for the heat pump XHPFD(PLUS) 160

- CYKY 3 J x 4 cable between heat pump and pool switchboard
- 20A/1/C circuit breaker in pool switchboard

## Cables for the heat pump XHPFDPLUS 200

- CYKY 3 J x 6 cable between heat pump and pool switchboard
- 32A/1/C circuit breaker in pool switchboard

Installation requires modification of the wiring of the Albixon technological shaft/wall switchboard, we recommend an individual consultation with an electrician.

## Cables for the heat pump XHPFDPLUS 200 tri

- CYKY 5 J x 2,5 cable between heat pump and pool switchboard
- 16A/1/C circuit breaker in pool switchboard

Installation requires modification of the wiring of the Albixon technological shaft/wall switchboard, we recommend an individual consultation with an electrician.

## Cables for heat exchanger

The cable to the temperature sensor between the pool switchboard and the heat source is provided by the heat source manufacturer. The control cable to the heat source is CYKY 5 J x 1.5.

The heat exchanger must be connected to the main protective connection (HOP).

## Cables for electric heating

- CYSY 5 J x 2.5 cable for 3kW heating and 10A/3/B circuit breaker in pool switchboard
- CYSY 5 J x 2.5 cable for 6kW heating and 16A/3/B circuit breaker in pool switchboard
- CYSY 5 J x 2.5 cable for 9kW heating and 20A/3/B circuit breaker in pool switchboard
- CYSY 5 J x 2.5 cable for 12kW heating and 25A/3/B circuit breaker in pool switchboard
- CYSY 5 J x 4 cable for 15kW heating and 32A/3/B circuit breaker in pool switchboard
- CYSY 5 J x 6 cable for 18kW heating and 32A/3/B circuit breaker in pool switchboard

## Metal parts

In pool technology, all metal parts must be connected to HOP CYA 6 or CY 6 ZŽ

## Metal pool steps and other metal components

When installing metal steps and other metal components, the connection to the HOP CYA or CY 6 ZŽ must be made, however always according to the relevant instructions for the given accessory.

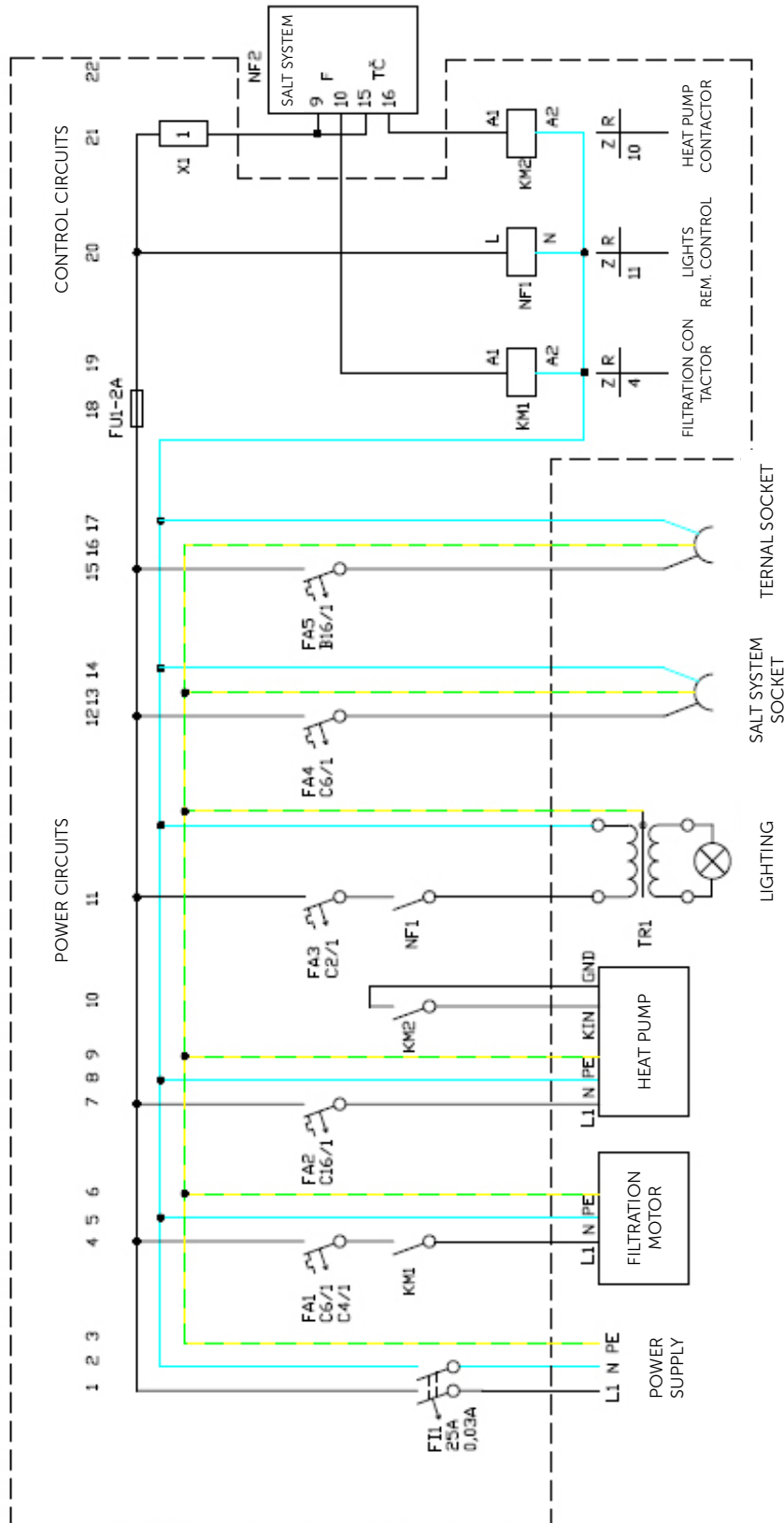
## SAFETY RECOMMENDATIONS

We recommend protecting the power supply circuit of the pool technology with a trip coil with a probe, which disconnects the power supply circuit when the shaft is flooded with water (up to max. 10 cm).

### Notes

During the preparation for construction, do not forget to consider the potential future development of your pool and technology. If there are power cables or other networks leading to the pool, also consider laying network cables for better connectivity of your technology, or you can make the necessary preparations for a heat exchanger, automatic filler, and other accessories, the installation of which would otherwise mean interference with your garden. We would like to draw your attention to the possibility of Ethernet using a cable, cables for remote management of LOXON and SMART Home, if someone expands the control and operation of the device in the future. If you are uncertain about whether or not you intend to expand your pool as suggested above but do not wish to leave anything to chance, bring at least one additional sleeve protector to the pool for a potential future use of these networks.

The rating of the current protector of the pool switchboard (FI1) should correspond to the circuit breaker on the supply cable on your home's switchboard.



### Device with programmed SALT SYSTEM

|                                |                          |                           |              |
|--------------------------------|--------------------------|---------------------------|--------------|
| Drawn by: Jiří Ungr            | Date: September 20, 2016 | Title: Switchboard AO-2-E |              |
| Reviewed by: Jindřich Sobotka  | Date: September 22, 2016 |                           |              |
| Approved by: Daniel Rychvalský | Date: September 23, 2016 | Type: F/SD/TČ/P/NaCl      |              |
| <b>ALBIXON a. s.</b>           |                          | Number of sheets: 1       | Sheet no.: 1 |
| Updated:                       | March 3, 2020            |                           |              |

Key

FI1 - circuit breaker 25/4/0.03

FA1 - filtration circuit breaker according to pump output C6/1, C4/1

KM1 - filtration contactor

FA2 - heat pump circuit breaker C16/1

KM2 - heat pump contactor

FA3 - counterflow circuit breaker C2/1

FA4 - lighting transformer circuit breaker C6/1

TR1 - safety transformer 230V/12V

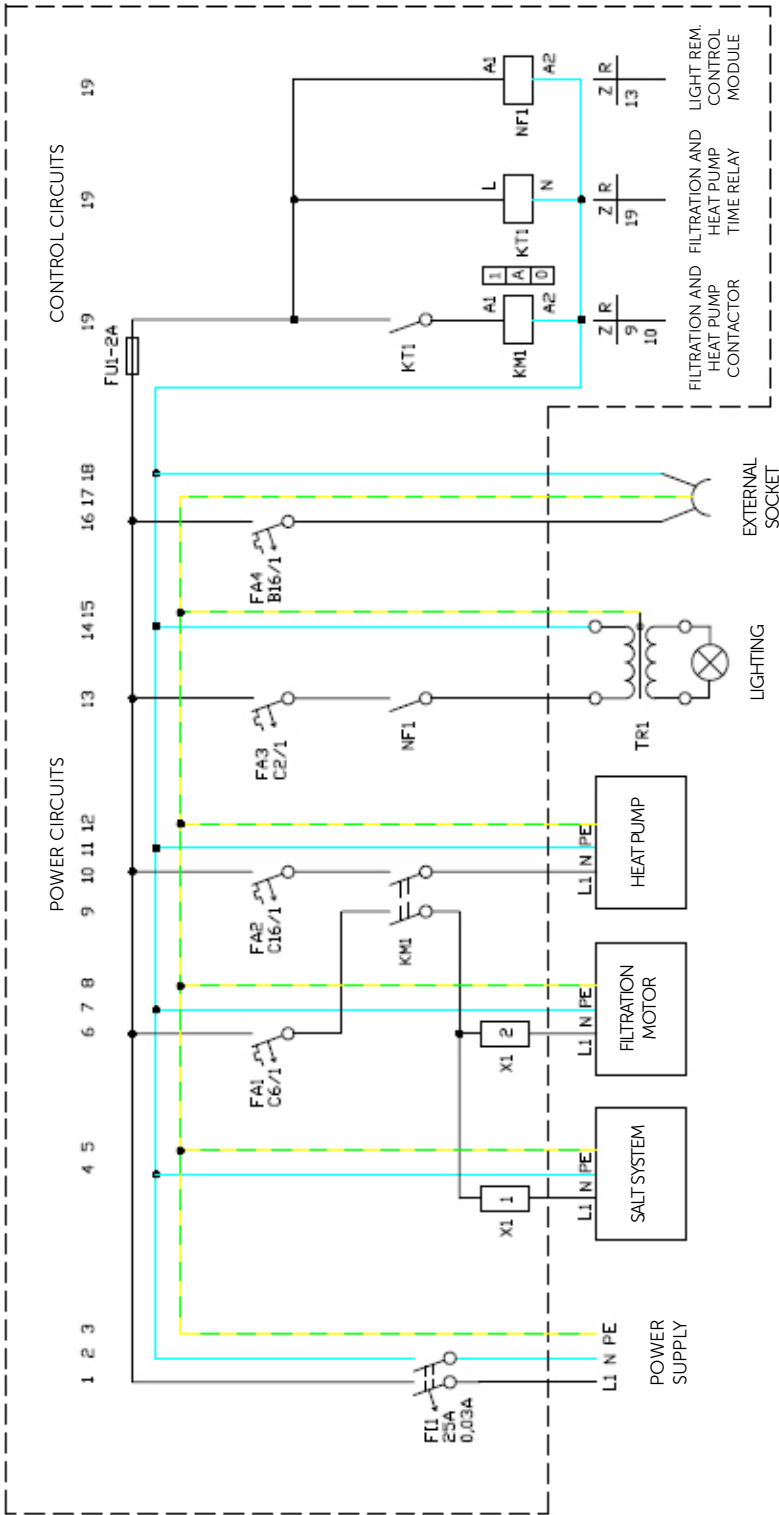
FU1 - fuse insert 2A

NF1 - light remote control

NF2 - salt system control unit

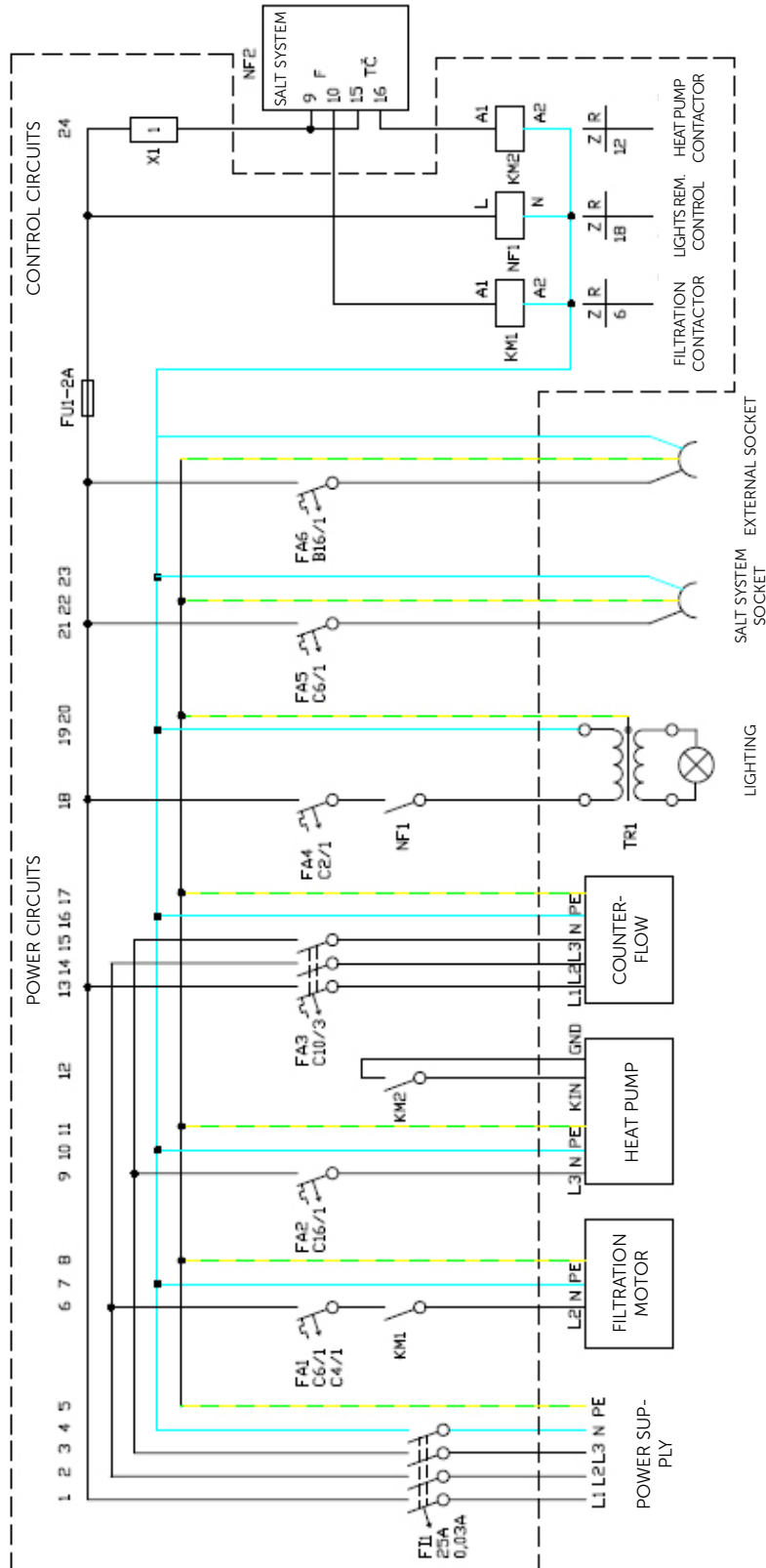
FA5 - socket breaker - salt system B16/1

XL-1 salt system power supply terminal



- Key
- F1 - circuit breaker 25/2/0.03
  - FA1 - filtration circuit breaker according to pump output C6/1
  - KM1 - salt system and filtration contactor
  - FA2 - heat pump circuit breaker C16/1
  - FA3 - lighting transformer circuit breaker C2/1
  - FA4 - external socket breaker B16/1
  - TR1 - safety transformer 230V/12V
  - FU1 - fuse insert 2A
  - KT1 - filtration and heat pump timing relay
  - NF1 - light remote control
  - X1-1 salt system power supply terminal
  - X1-2 filtration motor power supply terminal

|                                |                          |                           |              |
|--------------------------------|--------------------------|---------------------------|--------------|
| Drawn by: Jiří Ungr            | Date: September 22, 2016 | Title: Switchboard AO-1 a |              |
| Reviewed by: Jindřich Sobotka  | Date: September 25, 2016 |                           |              |
| Approved by: Daniel Rychvalský | Date: September 26, 2016 | Type: F/SD/TČ/P/NaCl      |              |
| <b>ALBIXON a. s.</b>           |                          | Number of sheets: 1       | Sheet no.: 1 |
| Updated:                       | March 4, 2020            |                           |              |

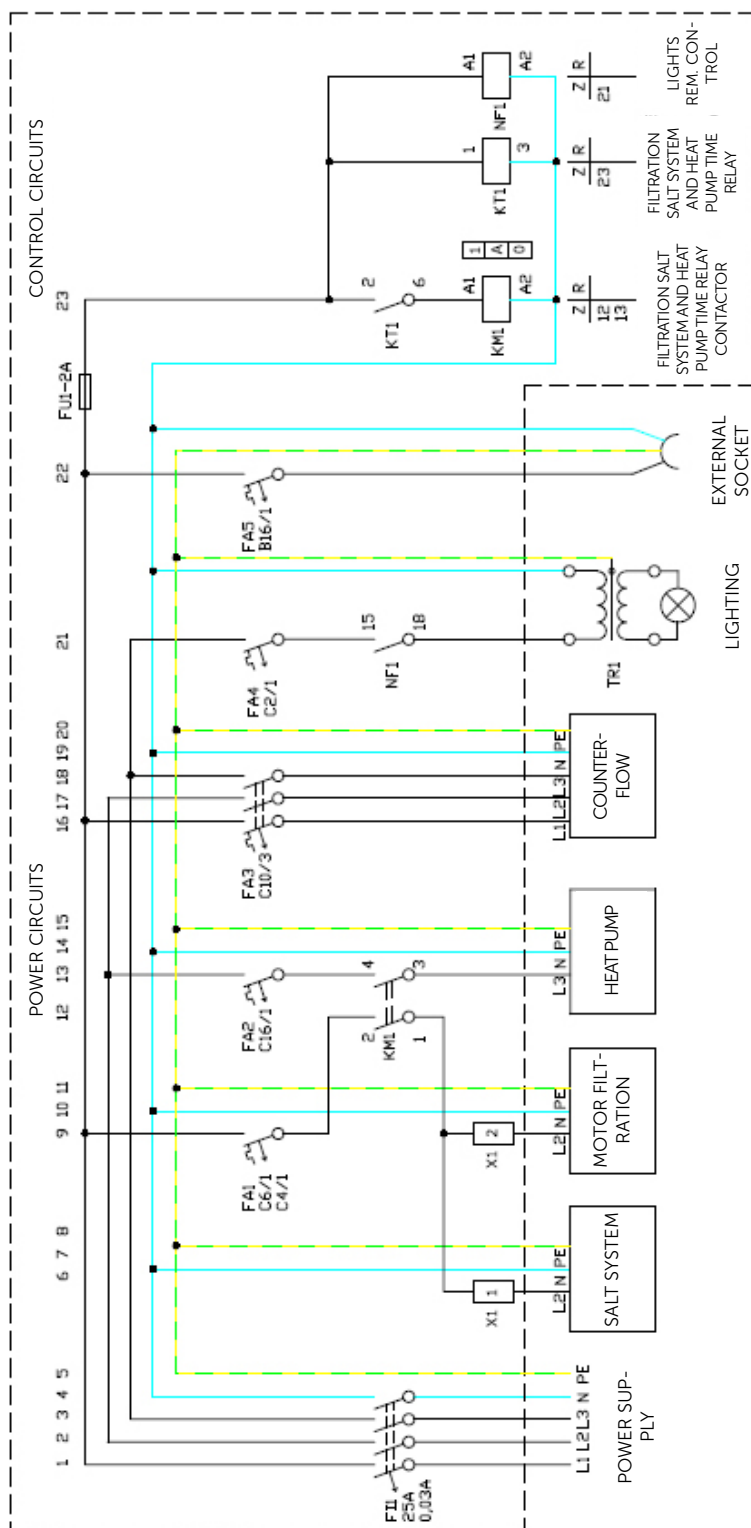


## Device with programmed SALT SYSTEM

|  |  |
|--|--|
| Key  |  |
| FI1 - circuit breaker 25/4/0 03                                      |  |
| FA1 - filtration circuit breaker according to pump output C6/1, C4/1 |  |
| KM1 - filtration contactor   |  |
| FA2 - heat pump circuit breaker C16/1                                |  |
| FA3 - counterflow circuit breaker C10/3                              |  |
| KM2 - heat pump contactor  |  |
| FA4 - lighting transformer circuit breaker C2/1                      |  |
| FA5 - socket breaker - salt system C6/1                              |  |
| TR1 - safety transformer 230V/12V                                    |  |
| FU1 - fuse insert 2A   |  |
| NF1 - light remote control   |  |
| NF2 - salt system control unit                                       |  |
| FA6 - external socket breaker B16/1                                  |  |
| X1-1 salt system power supply terminal                               |  |

|                                |                          |                           |              |
|--------------------------------|--------------------------|---------------------------|--------------|
| Drawn by: Jiří Ungr            | Date: September 20, 2016 | Title: Switchboard AO-2-D |              |
| Reviewed by: Jindřich Sobotka  | Date: September 22, 2016 |                           |              |
| Approved by: Daniel Rychvalský | Date: September 23, 2016 | Type: F/SD/TČ/P/NaCl      |              |
| <b>ALBIXON a. s.</b>           |                          | Number of sheets: 1       | Sheet no.: 1 |
| Updated:                       | March 3, 2020            |                           |              |





## Key

FI1 - circuit breaker 25/4/0.03

FA1 - filtration circuit breaker according to pump output C6/1, C4/1

KM1 - filtration, salt system and heat pump contactor

FA2 - heat pump circuit breaker C16/1

FA3 - counterflow circuit breaker C10/3

FA3 - counterflow circuit breaker C10/3

TR1 - safety transformer 230V/12V

EA5 - external socket breaker B16/1

FA5 - external socket  
EU1 - fuse insert 2A

FU1 - fuse insert 2A

KM1 – filtration, salt system and heat pump contactor  
KT1 – salt system filtration and heat pump relay timer

KT1 – salt system, filtration and heat pump relay timer  
NE1 – light remote control

NF1 - light remote control  
V1-1 salt system power supply terminal

XI-1 salt system power supply terminal

|                                |                          |                           |              |
|--------------------------------|--------------------------|---------------------------|--------------|
| Drawn by: Jiří Ungr            | Date: September 20, 2016 | Title: Switchboard AO-2-C |              |
| Reviewed by: Jindřich Sobotka  | Date: September 22, 2016 |                           |              |
| Approved by: Daniel Rychvalsky | Date: September 23, 2016 |                           |              |
| <b>ALBIXON a. s.</b>           |                          | Type: F/SD/TČ/P/NaCl      |              |
|                                |                          | Number of sheets: 1       | Sheet no.: 1 |
| Updated:                       | March 5, 2020            |                           |              |

## Notes

# For further detailed information, see:

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## 1. General Terms and Conditions

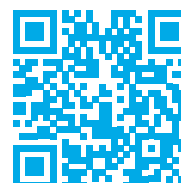
■ <https://www.albixon.cz/vsp>



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## 2. Warranty Claim Rules

■ <https://www.albixon.cz/reklamacni-rad/>





Thank you  
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by ALBIXON



**ALBIXON**

Call centre: 477 07 07 11  
[www.ALBIXON.com](http://www.ALBIXON.com)

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