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# **Technical plan**

### Key:

W - outer width of the enclosure

E - total length of the enclosed area

**ER** - enclosure length including extension

**F** - the maximum height of the obstacle (e.g. pool edge) that the forehead must overcome

**G** - elevated lower border of the front panel from the lower edge of the rail

R1 - extension of the rail behind the enclosed area

R2 - extension of the rail behind the enclosed area

**V** - height of the biggest module

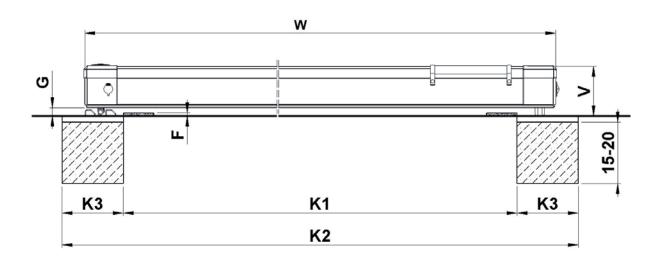
Kk - total rail system width

K - axial distance between the inner and outer wheels on one side of the track; this does not determine the actual maximum width of the rail system

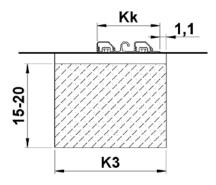
**K1** - inner spacing of the concrete strip

**K2** - outer spacing of the concrete strip

**K3** - width of the concrete strip



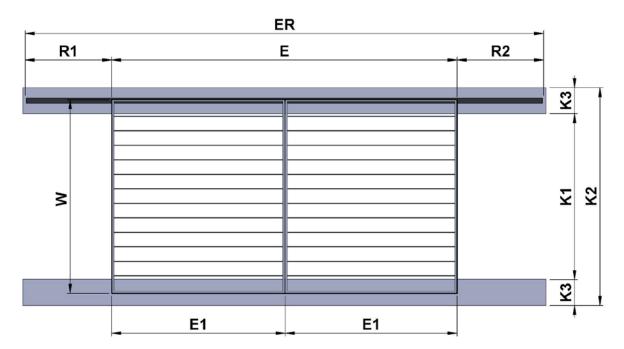
### Detail:



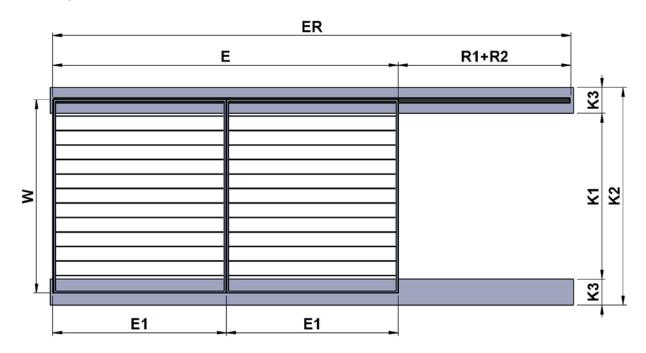
The exact dimensions of the rails are always part of the schematic drawing.

All dimensions are given in centimetres.

### Floor plan - Variant 1



## Floor plan - Variant 2



### Bergen A (v01)- dimensions:

W = 366.8 cm

E = 654 cm

ER = 1321 cm

V = 16.5 cm (standard height)

 $V^*$  = 20 cm (if "3Z14-01-016 – kit for raising height to 20 cm" is purchased)

 $\mathbf{F}$  = max. 1 cm (at the standard enclosure height of V=16.5 cm)

 $F^* = \text{max. } 4.5 \text{ cm (if } \text{"}3Z14-01-016 - \text{kit for raising height to 20 cm" is purchased)}$ 

**G** = 2.5 cm (at the standard enclosure height of V=16.5 cm)

**G\*** = 6 cm (if "3Z14-01-016 – kit for raising height to 20 cm" is purchased)

R1 = R2 = 329 cm

R1+R2 = 658 cm

Kk = 11,3 cm

K1 = 342 cm

K2 = 382 cm

K3 = 20 cm

### 1.1. Gravel (grade) 8-16 mm, height of the sub-base min. 10 cm

# 1.2. Concrete base (concrete strips, concrete slab)

#### Carried out with a concrete base:

- carried out of gravel backfill (see 1.1)
- concrete base:
- Concrete strips of width K3 = track width "Kk" + 9 cm
- Concrete slab (this solution is recommended no strip measurement required)
- foundation (foundation strips) length = length "E" + "R1" + "R2" + 10 cm on every side
- must be used a min. concrete mix type C16/20 S2 (S3)
- concrete strips min. thickness of 30 cm (we recommend carrying out the strip to a non-freezing depth of 60 cm), concrete slab min. thickness of 15-20 cm
- reinforced Kari meshing (100 x 100 x 6 mm) or wire (Ø 6 mm) locally reinforced at 1/3 of the height of the
- the base must be clean, smooth, horizontal (flatness under rails +/- 2 mm/2 m)

#### Final surface 1.3.

- must be firmly attached to the concrete base (foundation)
- paving is the most suitable variant of final surface must be firmly attached to the concrete base (it must not be loose sand or gravel)
- other suitable final surfaces are all solid materials designed for this purpose which are firmly attached to the concrete base (E.g. stone carpet)
- plank decking is not entirely suitable for this type of enclosure (risk of non-functional travel of the wheel in the case of wider plank spacing (max. gap between the planks being 0.5 cm). A firm connection to the subfloor is important for plank decking.
- If you purchase a MOOVER electric sliding system, a minimum of 20 cm of finish surface is required for its travel system. Moover is to be installed on the side with the rail.

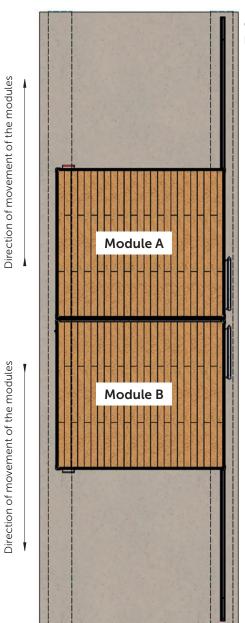
- This type of enclosure includes, as part of the package (delivery), an extension of the rail system by 329 cm on both sides (R1 + R2).
- The enclosure can be oriented in such a way that the rails can be placed to the left or right of the pool.
- The area behind the pool for parking the enclosure (R1 and R2 rail extension) is recommended always to be placed both in front of and behind the pool



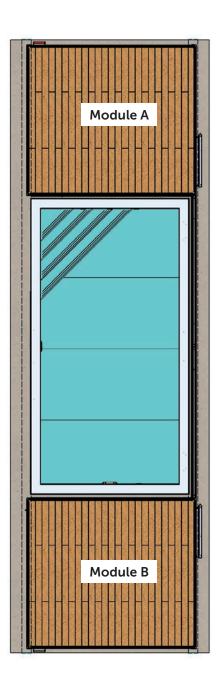
### Variant 1

## Floor plan - variant (rail right)

# Floor plan - variant (rail right) Parking position (out of the pool)



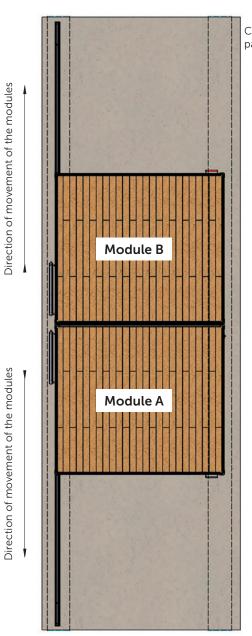
Concrete strips (for parking the modules)



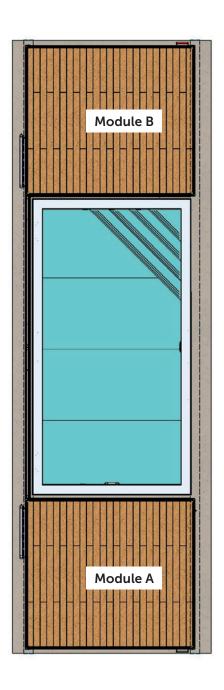
### Variant 1

## Floor plan - variant (rail left)

# Floor plan - variant (rail left) Parking position (out of the pool)



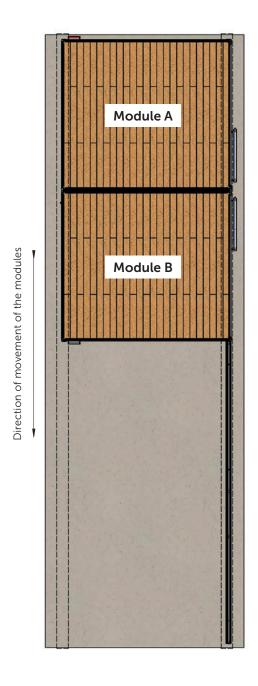
Concrete strips (for parking the modules)

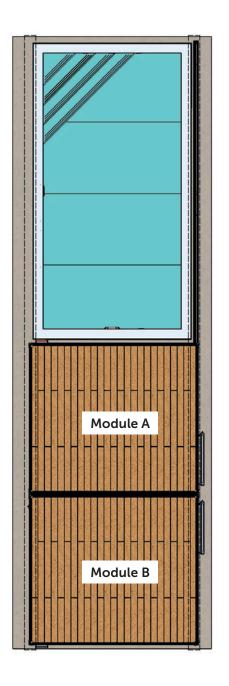


Variant 2

Floor plan - variant (rail right)

Floor plan - variant (rail right)
Parking position (out of the pool)

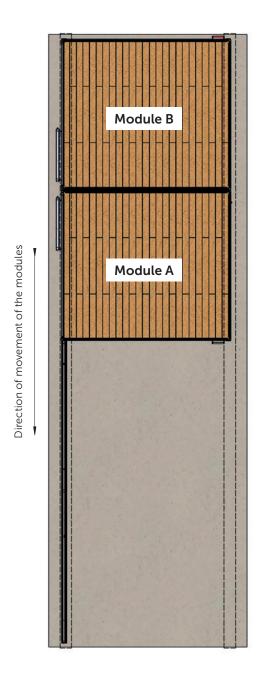


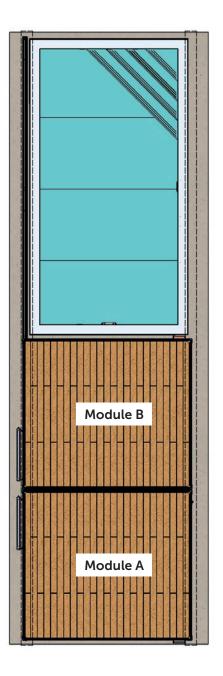


Variant 2

Floor plan - variant (rail left)

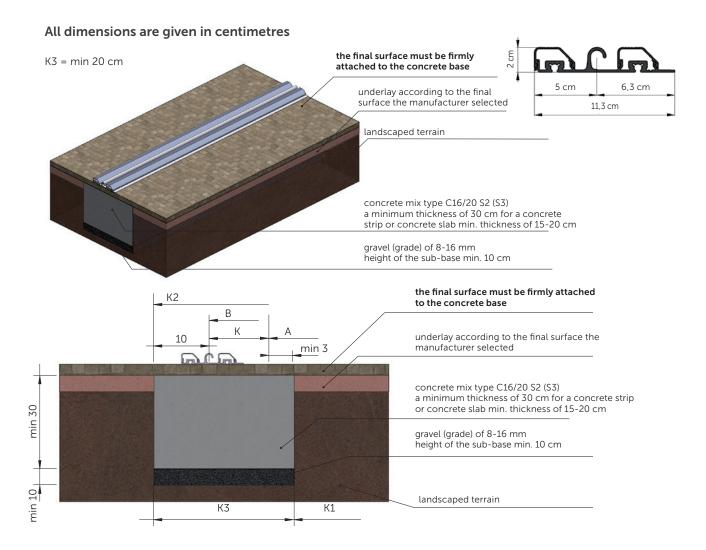
Floor plan - variant (rail left)
Parking position (out of the pool)





# Sub-base - for rail air

### 2.1. Rail on the final foundation (paving)

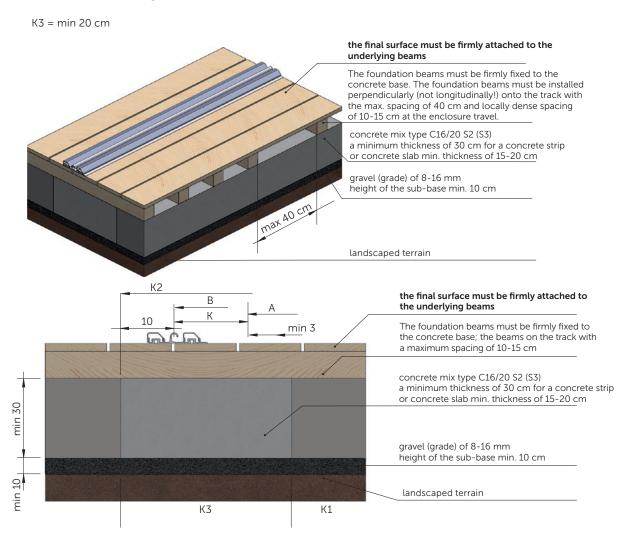


# **Embedding rails is NOT POSSIBLE**



# 2.3. Rail on the final foundation (board)

### All dimensions are given in centimetres



# **Embedding rails is NOT POSSIBLE**



# **Notes**

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