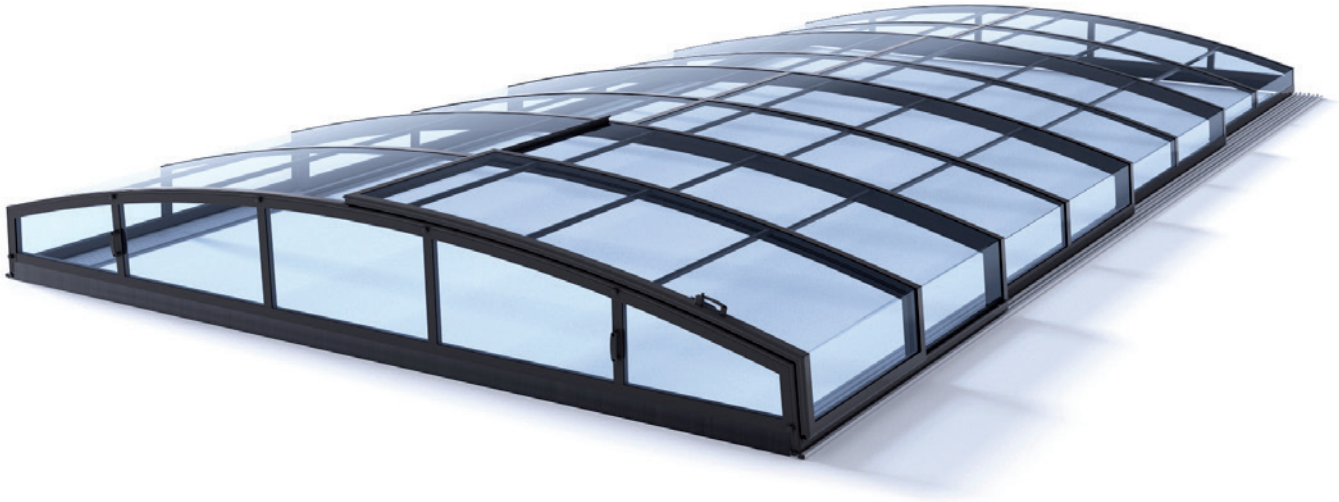
Building preparations



Swimming pool **ENCLOSURES**

Verze: 12. 05. 2022 / Revize: 12. 05. 2022
EN

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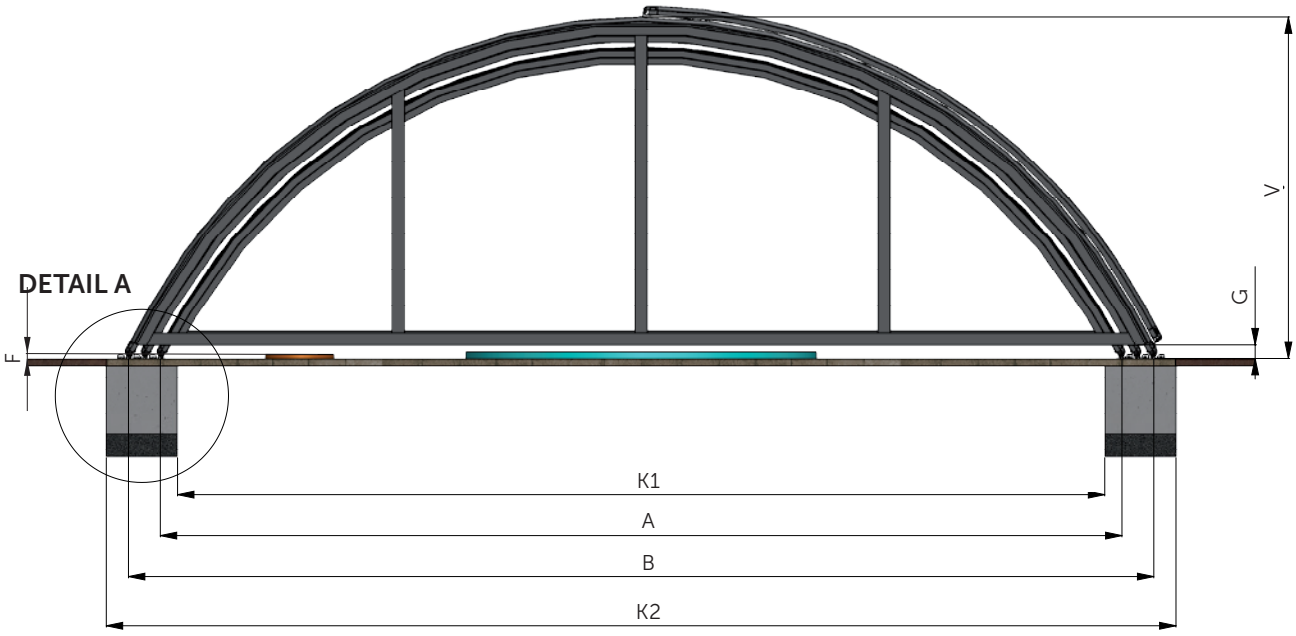
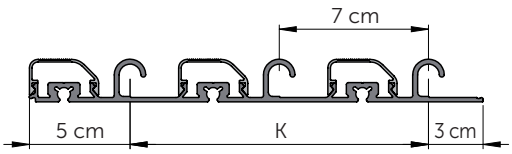
Technical plan

2.

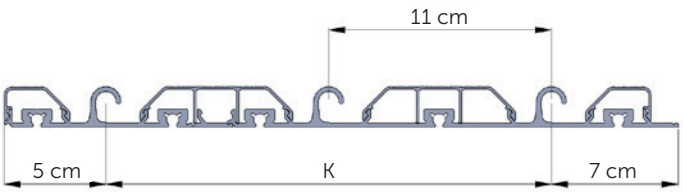
KEY:

A - rail spacing for the smallest module
B - rail spacing for the biggest module
E - total length of the enclosed area
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
R - extension of the rail behind the enclosed area
V - height of the biggest module
K - axial distance between the inner and outer rails of one side of the rail, does not specify the actual maximum width of the rail
K1 - inner spacing of the concrete strip
K2 - outer spacing of the concrete strip
K3 - width of the concrete strip

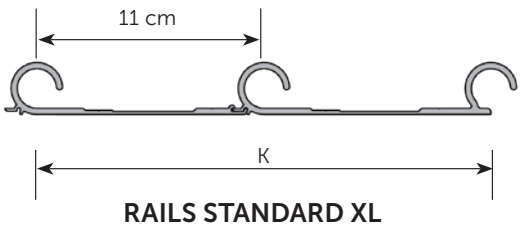




RAILS AIR



RAILS AIR XL



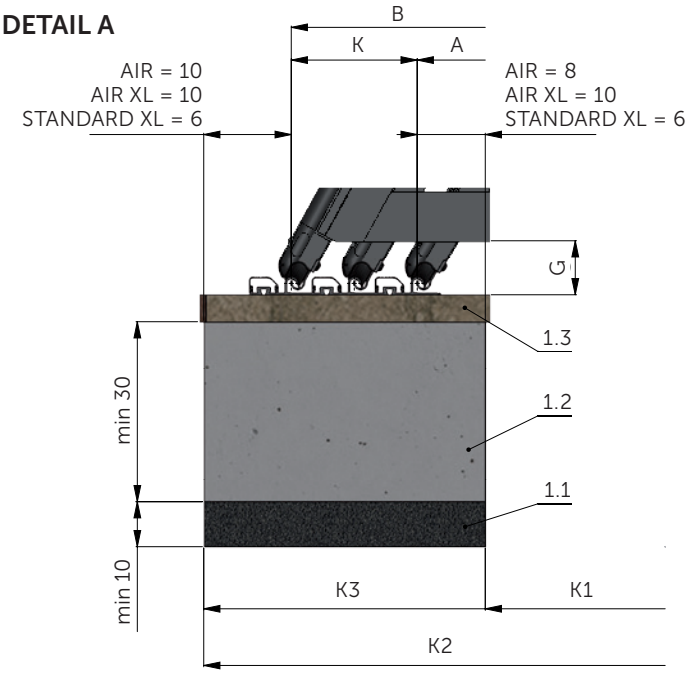
RAILS STANDARD XL

2. Technical plan

THE EXACT DIMENSIONS OF THE RAILS ARE ALWAYS PART OF THE SCHEMATIC DRAWING.

ALL DIMENSIONS ARE GIVEN IN CENTIMETRES.

DETAIL A



RAIL SPACING:

RAILS AIR:

DOUBLE RAILS	K = 7 cm
TRIPLE RAILS	K = 14 cm
FOUR RAILS	K = 21 cm
FIVE RAILS	K = 28 cm
SIX RAILS	K = 35 cm
SEVEN RAILS	K = 42 cm

RAILS AIR XL AND STANDARD XL:

DOUBLE RAILS	K = 11 cm
TRIPLE RAILS	K = 22 cm
FOUR RAILS	K = 33 cm
FIVE RAILS	K = 44 cm
SIX RAILS	K = 55 cm
SEVEN RAILS	K = 66 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)
– width of the base (concrete strips): K3 = rail width „K" + 18 cm (valid for rail AIR)
K3 = rail width „K" + 20 cm (valid for rail AIR XL)
K3 = rail width „K" + 12 cm (valid for rail STANDARD XL)
– length of the base = length "E" + "R" + 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 slab
– the base must be clean, smooth, horizontal (flatness under rails +/- 2 mm/2 m)

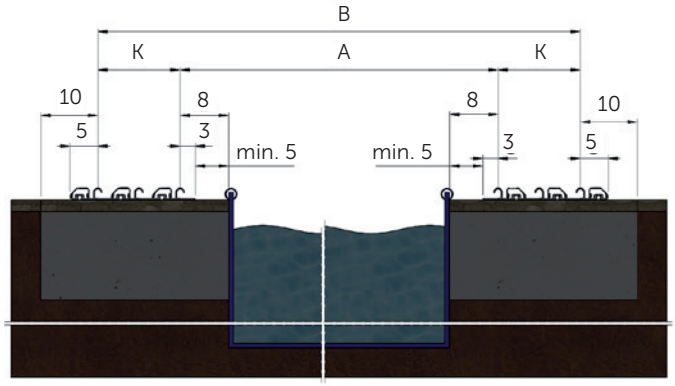
1.3 Final surface

– 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

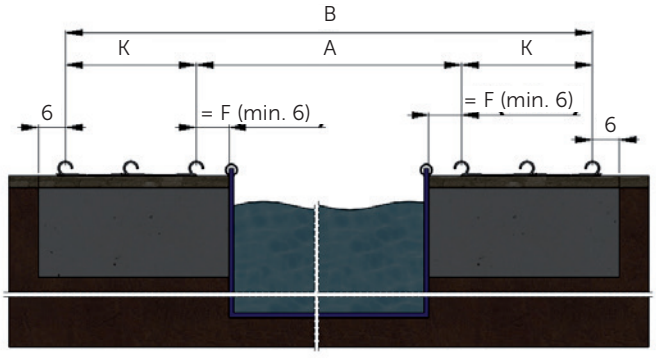
Technical plan

2.

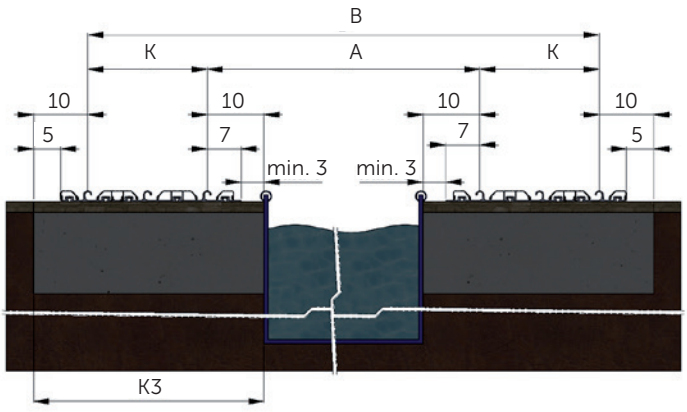
Cross section - RAIL AIR (type of enclosures M, L, L+)



Cross section - RAIL STANDARD XL (type of enclosures Klasik XL a Dallas XL)

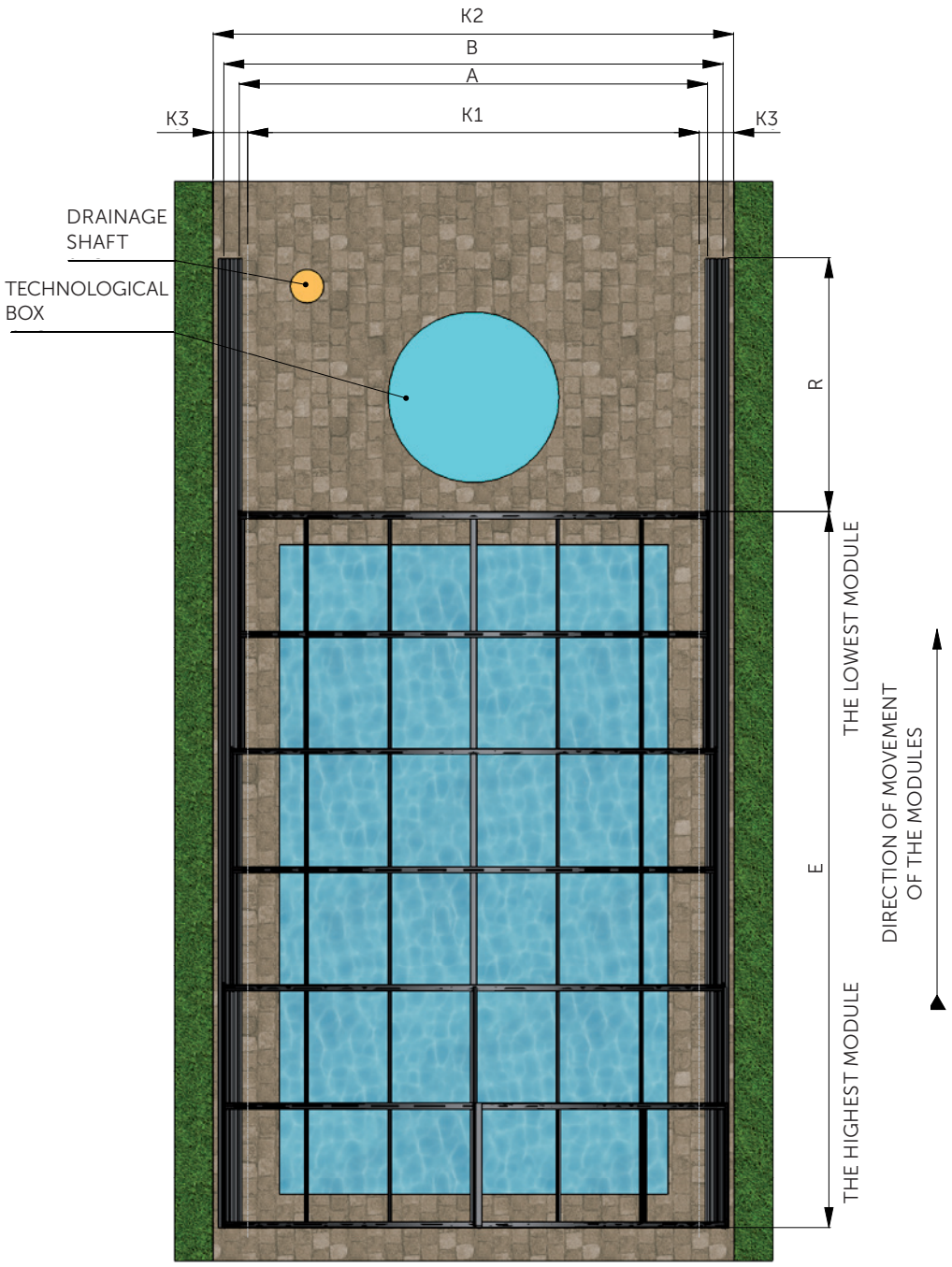


Cross section - RAIL AIR XL (type of enclosures Casablanca XL)



2. Technical plan

FLOOR PLAN



KEY:

A - rail spacing for the smallest modules
B - rail spacing for the biggest modules
E - total length of enclosure area
R - extension of the rail behind the enclosed area

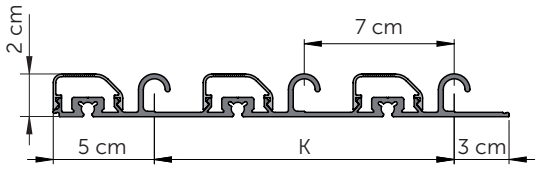
K1 - inner spacing of the concrete strip
K2 - outer spacing of the concrete strip
K3 - width of the concrete strip

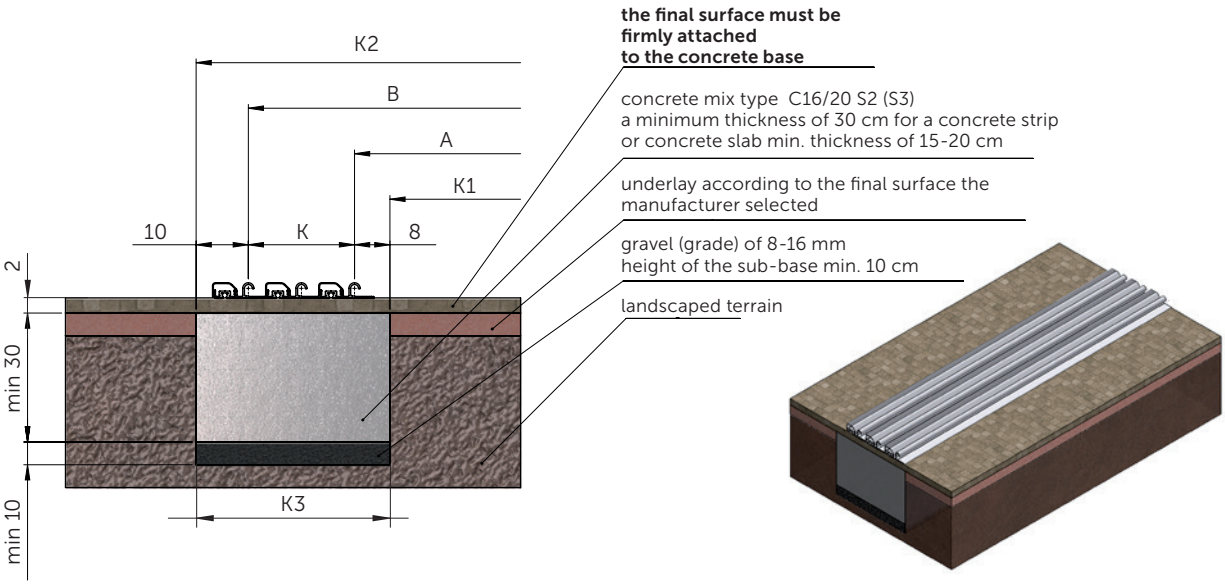
Sub-base – for RAIL AIR

3.

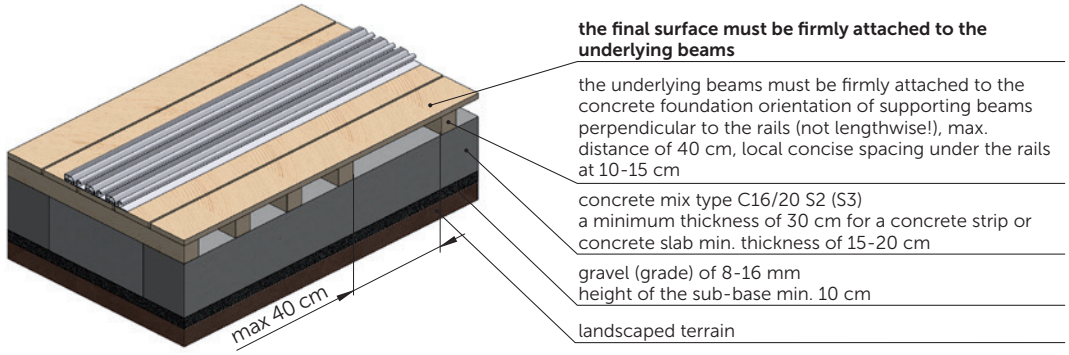
ALL DIMENSIONS ARE GIVEN IN CENTIMETRES

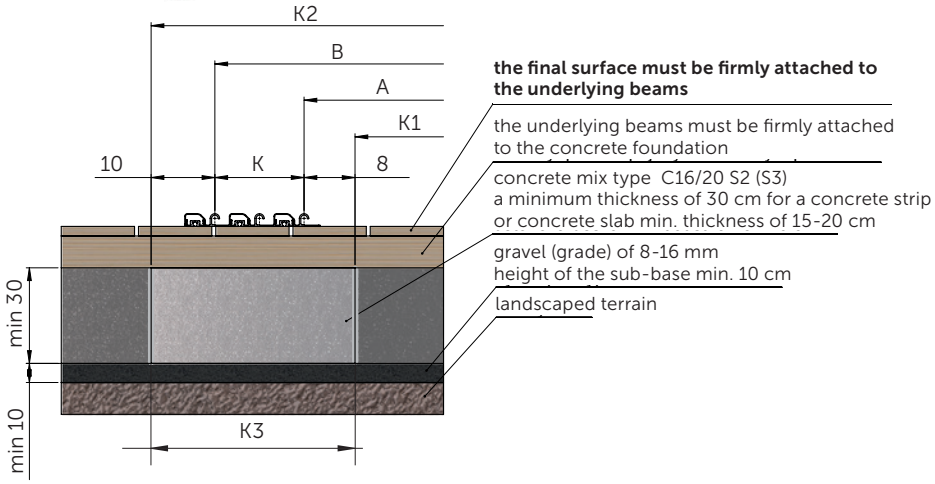
3.1 Rail on the final foundation (paving)





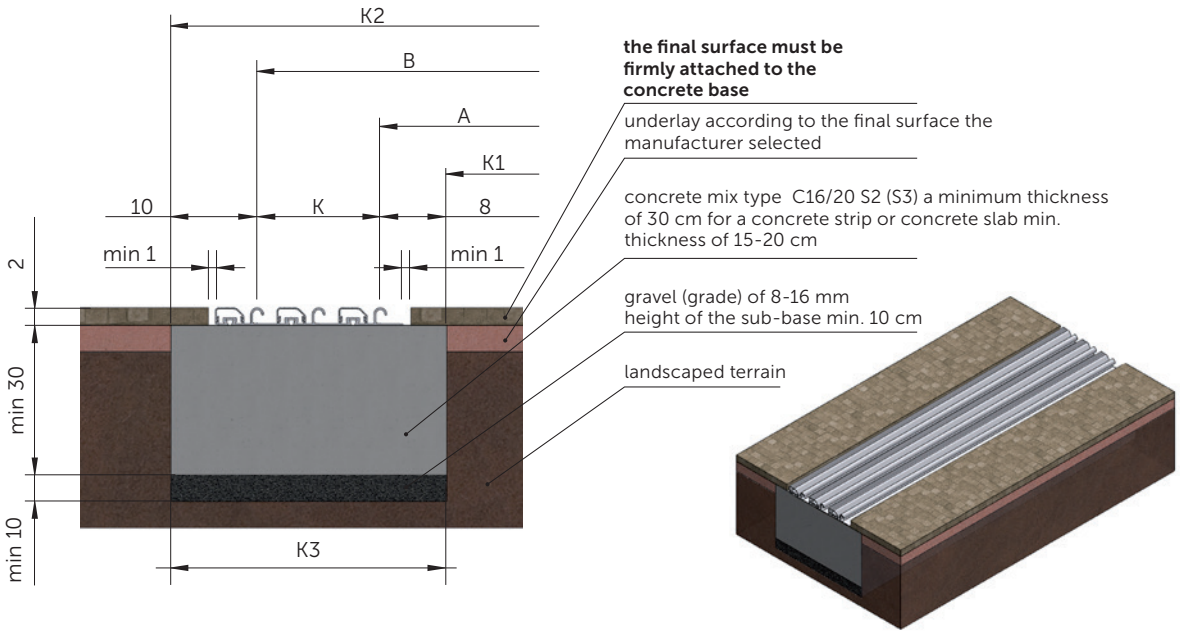
3.2 Rail on the final foundation (board)





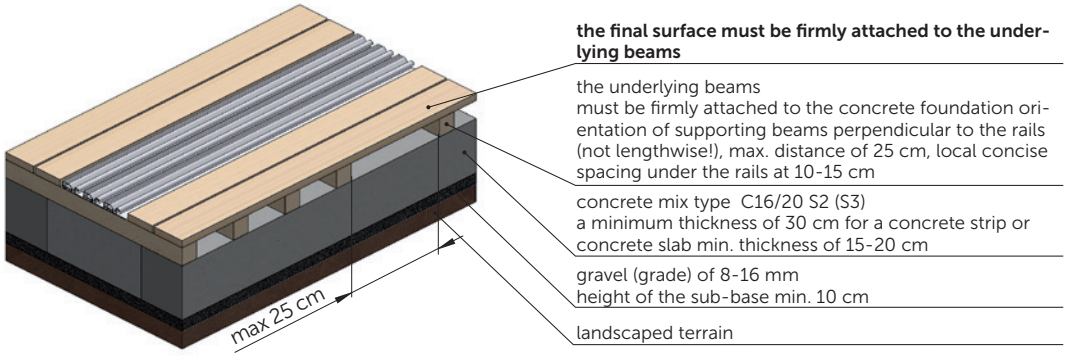
3. Sub-base – for RAIL AIR

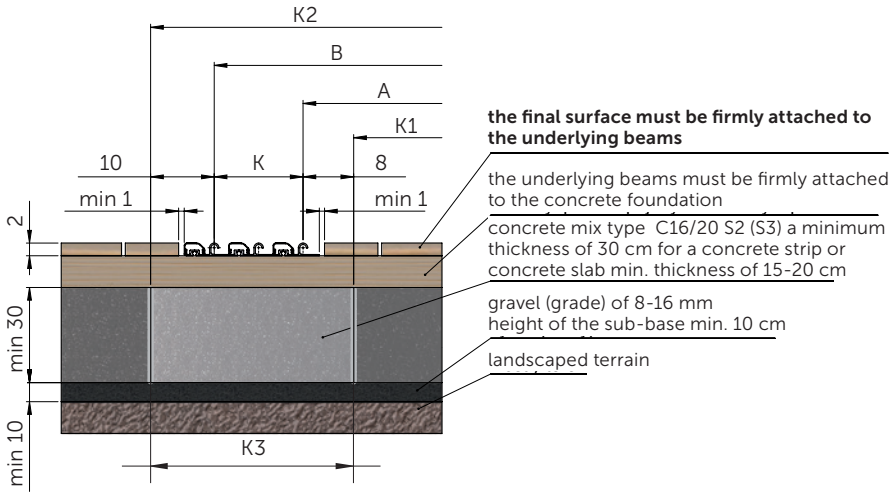
3.3 Rail embedded in paving (placed on a concrete strip, slab)



3.4 Rail embedded in a wooden grid

Option 1: Lay the final surface after laying the rails (recommended)
Option 2: Remove the final surface around the rails



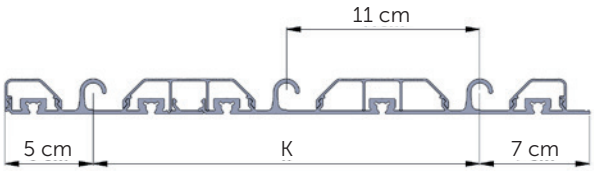


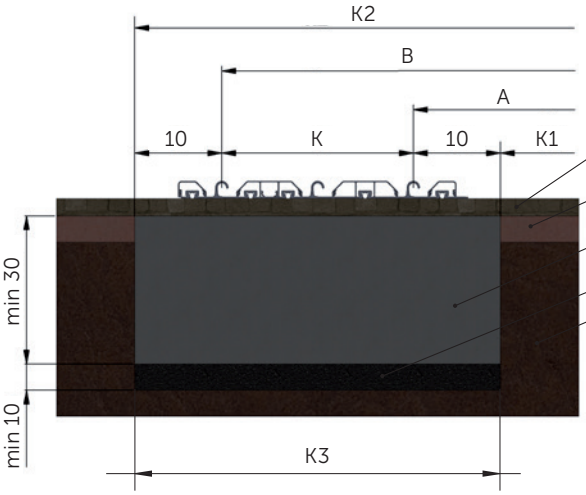
Sub-base – for RAIL AIR XL

4.

ALL DIMENSIONS ARE GIVEN IN CENTIMETRES

4.1 Rail on the final foundation (paving)





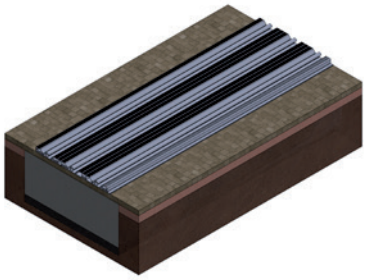
the final surface must be firmly attached to the concrete base

concrete mix type C16/20 S2 (S3) a minimum thickness of 30 cm for a concrete strip or concrete slab min. thickness of 15-20 cm

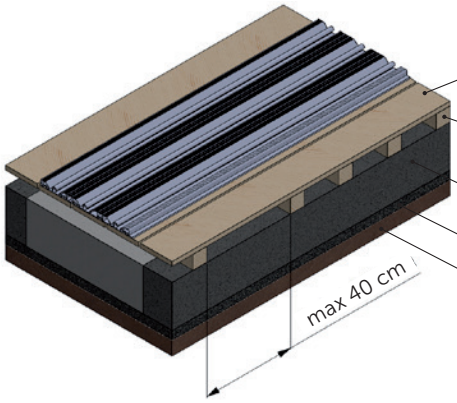
underlay according to the final surface the manufacturer selected

gravel (grade) of 8-16 mm
height of the sub-base min. 10 cm

landscaped terrain



4.2 Rail on the final foundation (board)



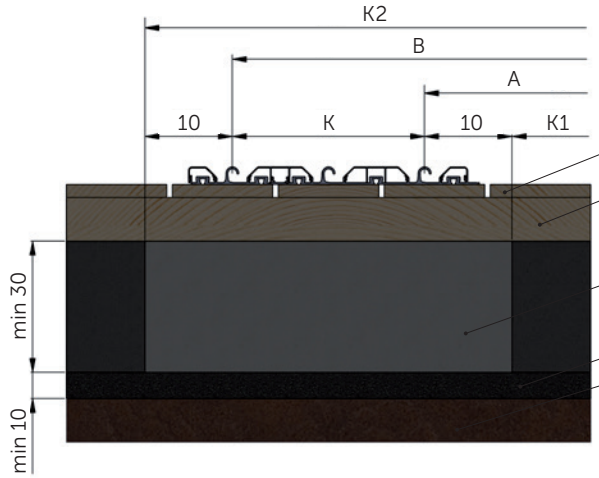
the final surface must be firmly attached to the underlying beams

the underlying beams must be firmly attached to the concrete foundation orientation of supporting beams perpendicular to the rails (not lengthwise!), max. distance of 40 cm, local concise spacing under the rails at 10-15 cm

concrete mix type C16/20 S2 (S3)
a minimum thickness of 30 cm for a concrete strip or concrete slab min. thickness of 15-20 cm

gravel (grade) of 8-16 mm
height of the sub-base min. 10 cm

landscaped terrain



the final surface must be firmly attached to the underlying beams

the underlying beams must be firmly attached to the concrete foundation

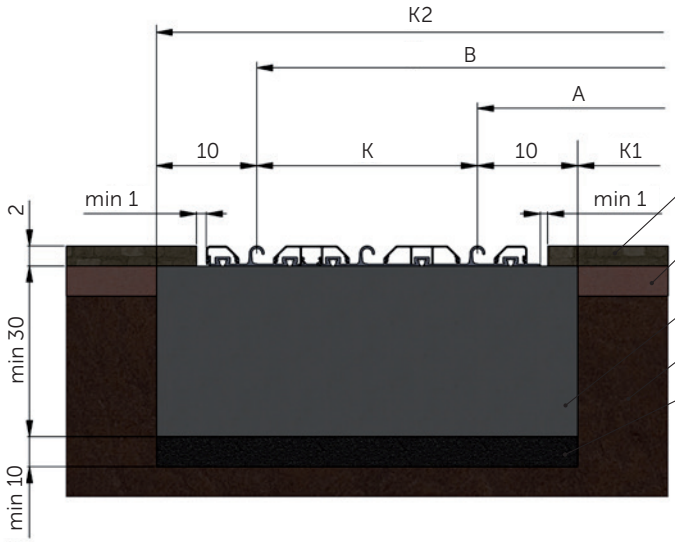
concrete mix type C16/20 S2 (S3)
a minimum thickness of 30 cm for a concrete strip or concrete slab min. thickness of 15-20 cm

gravel (grade) of 8-16 mm
height of the sub-base min. 10 cm

landscaped terrain

4. Sub-base – for RAIL AIR XL

4.3 Rail embedded in paving (placed on a concrete strip, slab)



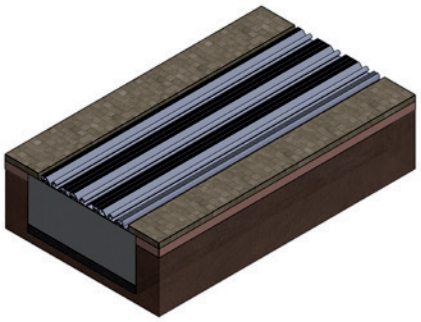
the final surface must be firmly attached to the concrete base

underlay according to the final surface the manufacturer selected

concrete mix type C16/20 S2 (S3)
a minimum thickness of 30 cm for a concrete strip or concrete slab min. thickness of 15-20 cm

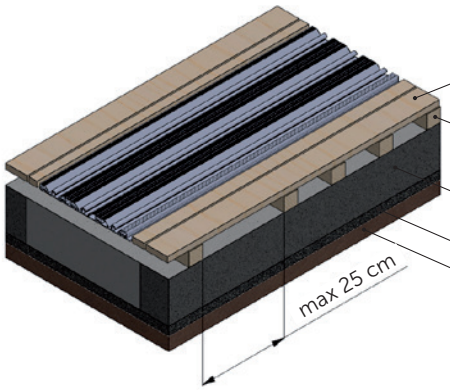
landscaped terrain

gravel (grade) of 8-16 mm
height of the sub-base min. 10 cm



4.4 Embedding XL rails to boards is POSSIBLE

Option 1: Lay the final surface after laying the rails (recommended)
Option 2: Remove the final surface around the rails



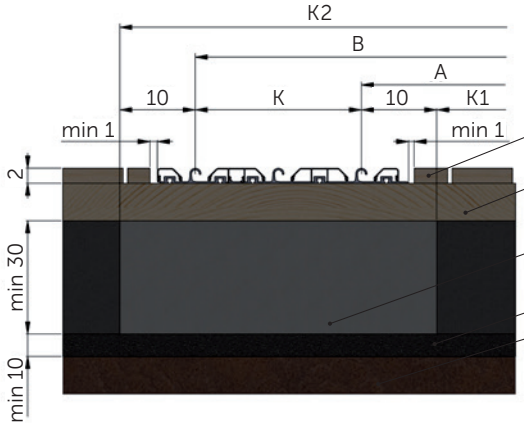
the final surface must be firmly attached to the underlying beams

the underlying beams must be firmly attached to the concrete foundation orientation of supporting beams perpendicular to the rails (not lengthwise!), max. distance of 25 cm, local concise spacing under the rails at 10-15 cm

concrete mix type C16/20 S2 (S3)
a minimum thickness of 30 cm for a concrete strip or concrete slab min. thickness of 15-20 cm

gravel (grade) of 8-16 mm
height of the sub-base min. 10 cm

landscaped terrain



the final surface must be firmly attached to the concrete base

the underlying beams must be firmly attached to the concrete foundation

concrete mix type C16/20 S2 (S3)
a minimum thickness of 30 cm for a concrete strip or concrete slab min. thickness of 15-20 cm

gravel (grade) of 8-16 mm
height of the sub-base min. 10 cm

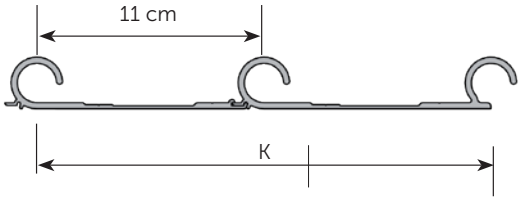
landscaped terrain

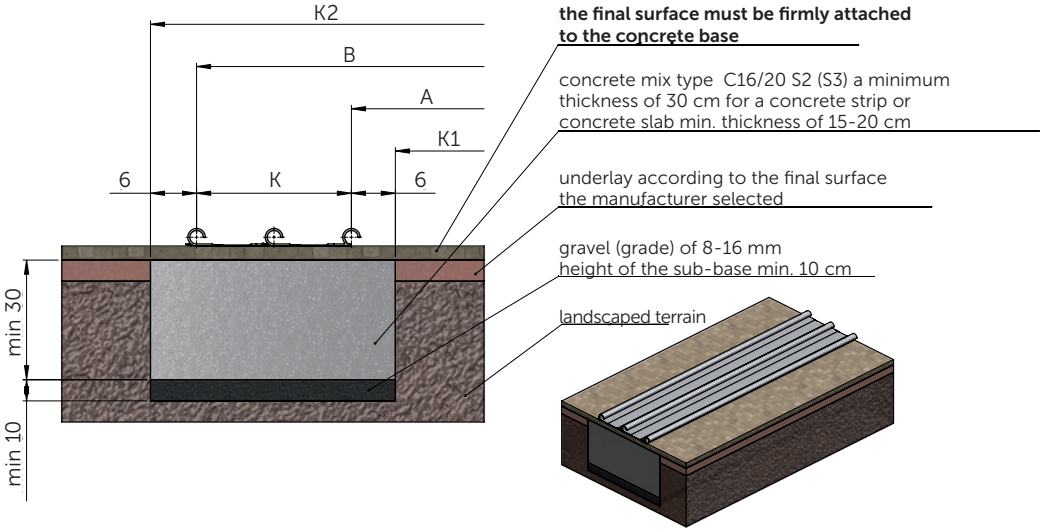
Sub-base – for RAIL STANDARD XL

5.

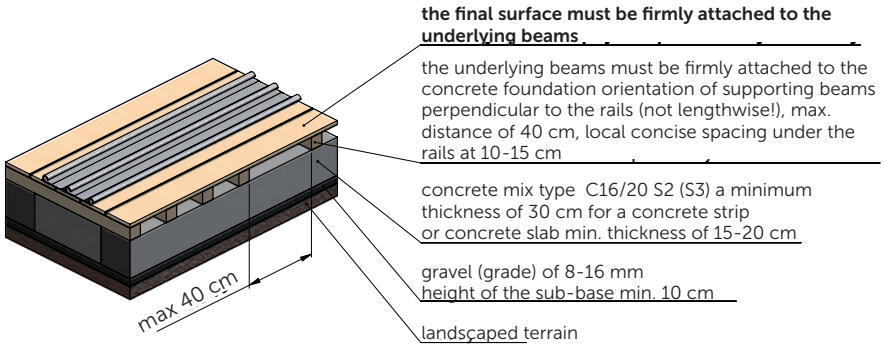
ALL DIMENSIONS ARE GIVEN IN CENTIMETRES

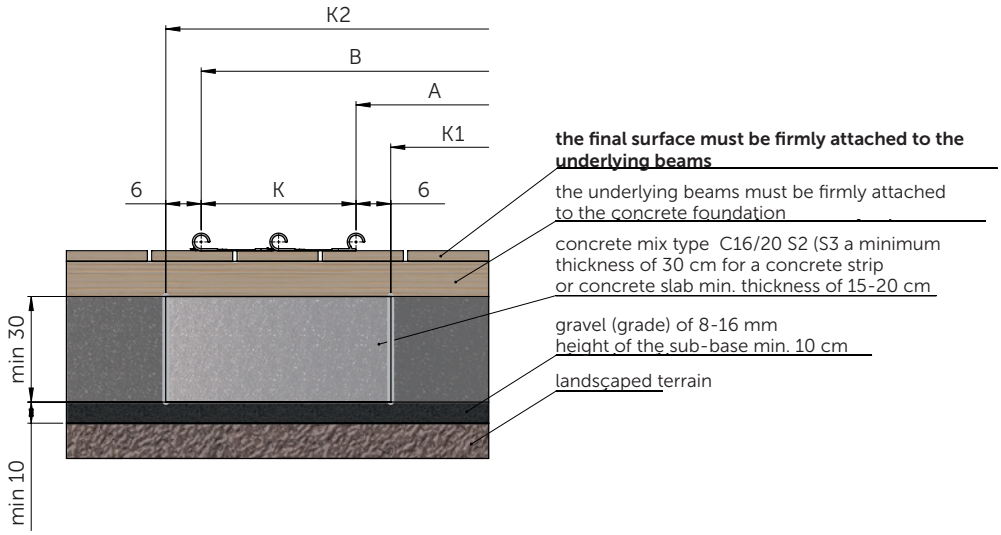
5.1 Rail on the final foundation (paving)





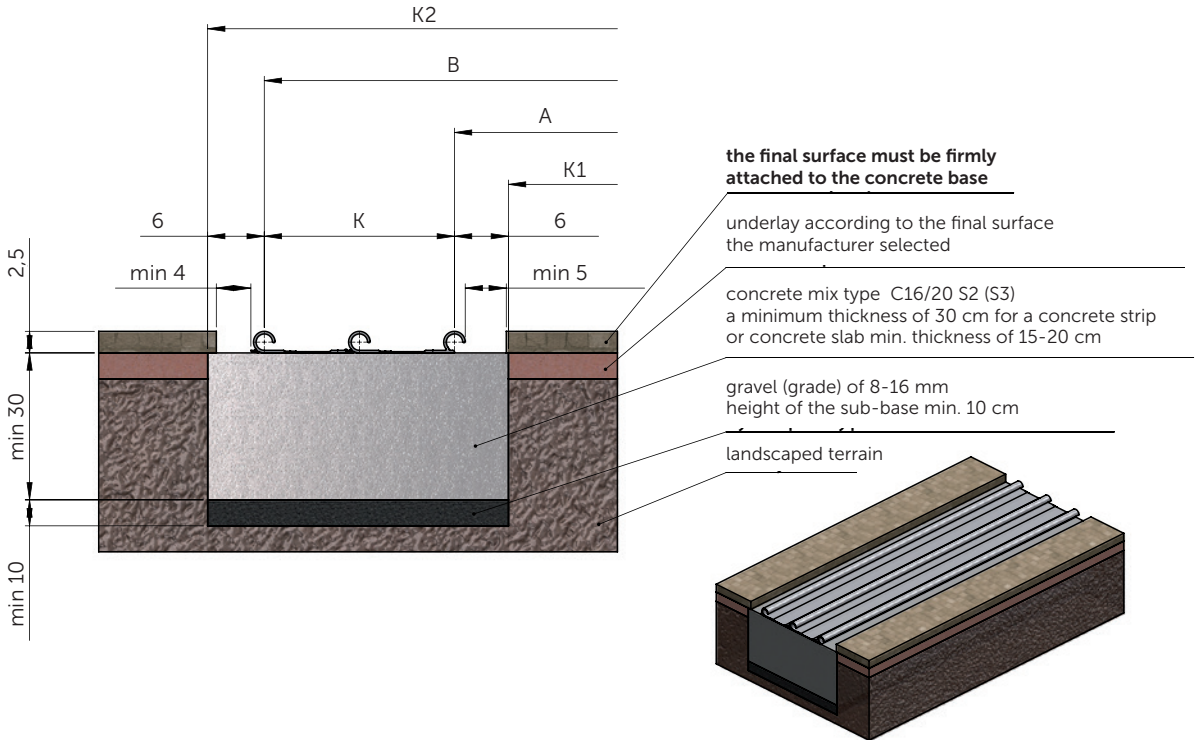
5.2 Rail on the final foundation (board)



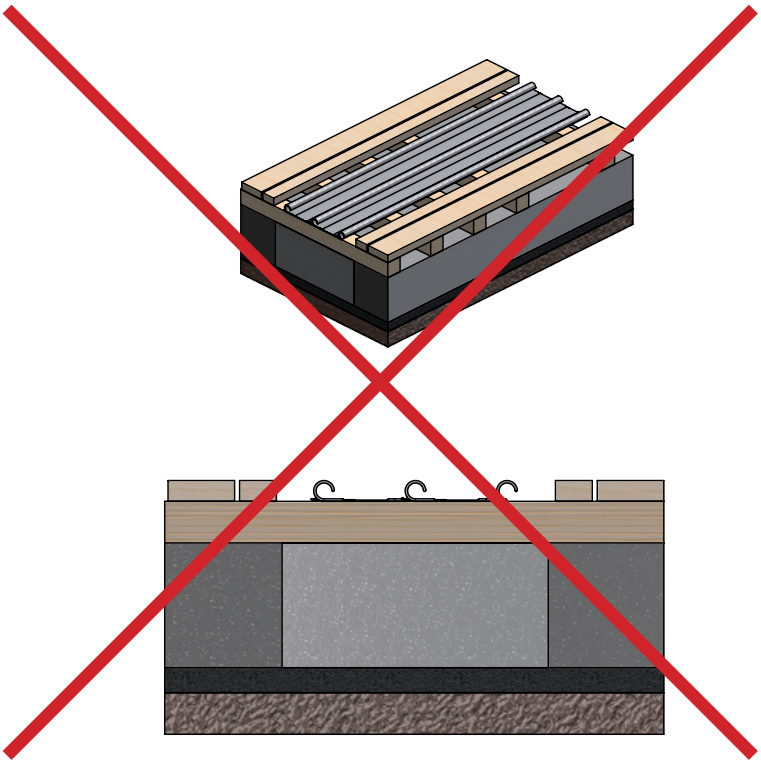


5. Sub-base – for RAIL STANDARD XL

3.3 Rail embedded in paving (placed on a concrete strip, slab)



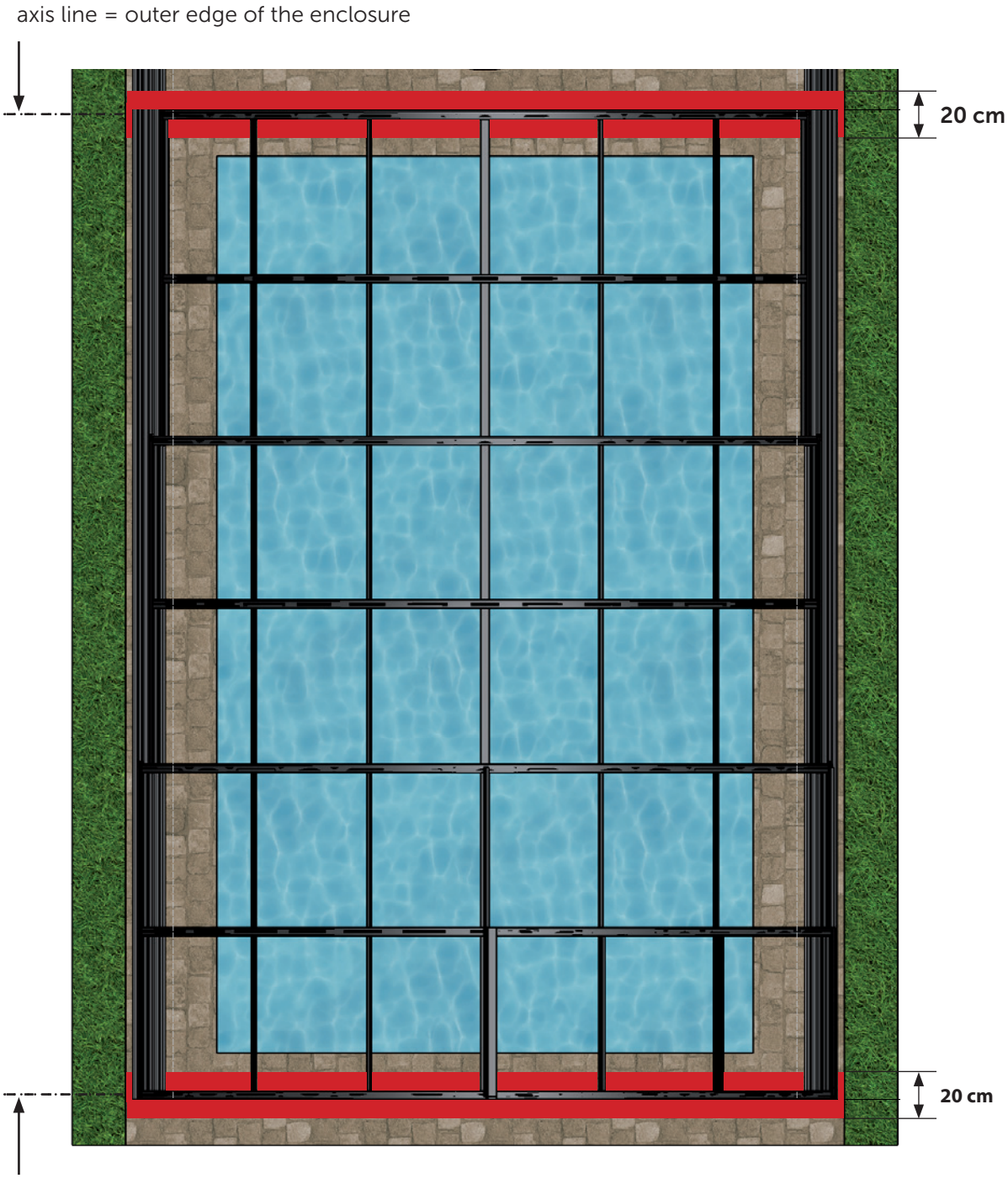
3.4 Embedding STANDARD XL rails to boards is NOT POSSIBLE



Sub-base for the entire enclosure

6.

– make concrete strips for both panel locks
– concrete strips width of 20 cm and a min. depth of 30 cm - concrete mix type C16/20 S2 (S3)
– **valid for enclosures:**
  • with a hinged door in the panel (front or rear)
  • with an enclosure width B > 450 cm



Notes

Notes

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