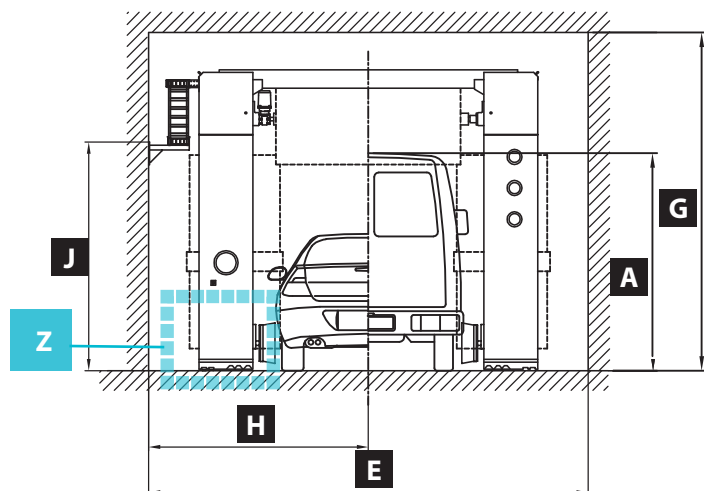


With enclosure

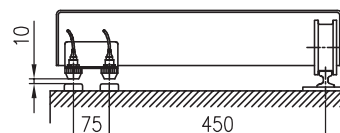
Energy chain

Dimensions

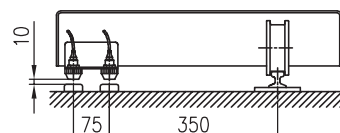


Detail Z

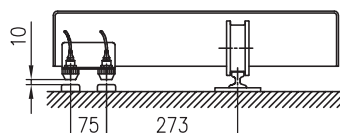
Between rails: 2500 ± 5



Between rails: 2700 ± 5

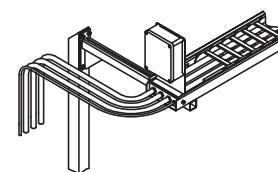


Between rails: 2854 ± 5

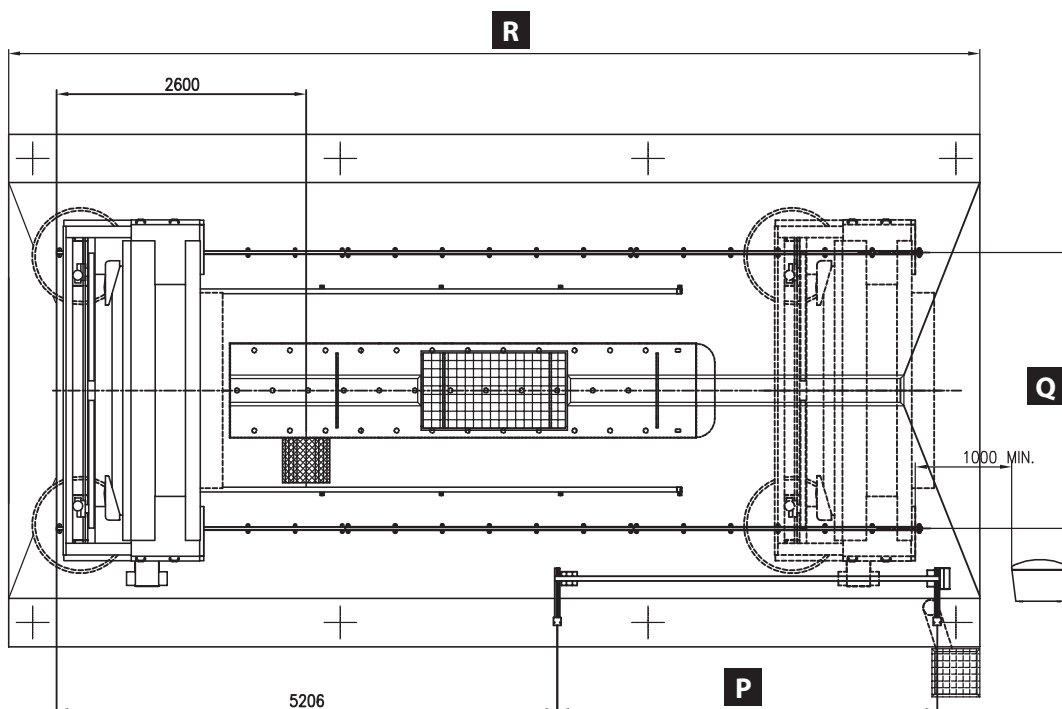
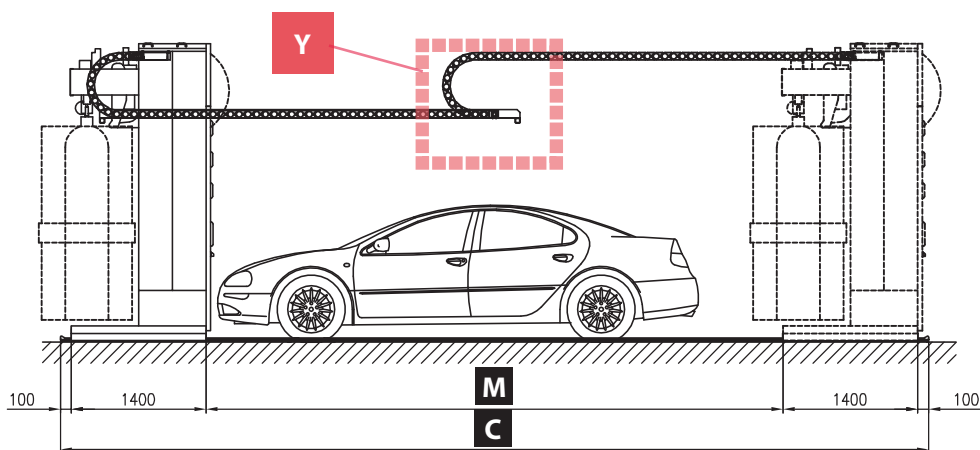
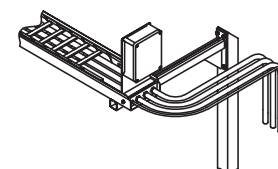


Detail Y

Left side connection



Right side connection



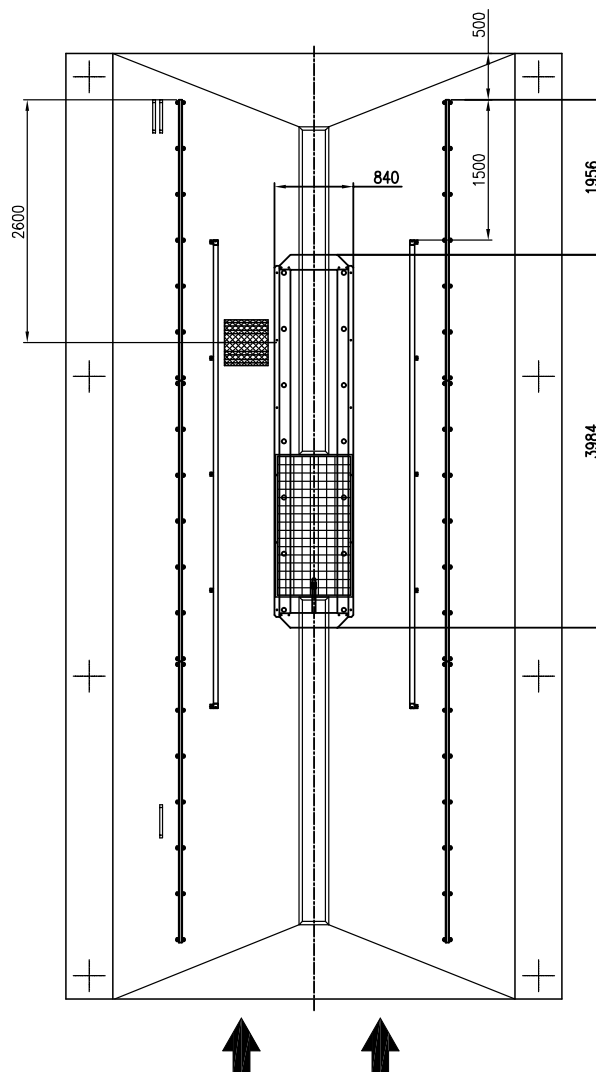
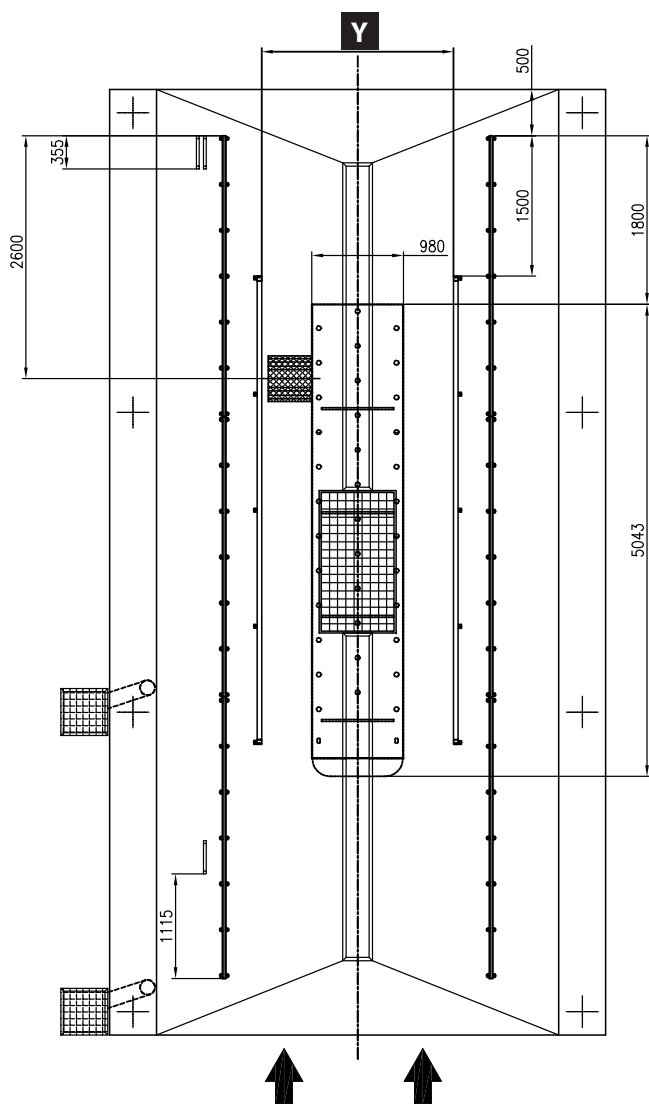
The distance between the underside of the foot and the floor must not exceed 10 mm.

With the enclosure of 4500 mm. you will need to install the anti-smashing system and wire or rubber switch.

Measurements in mm.

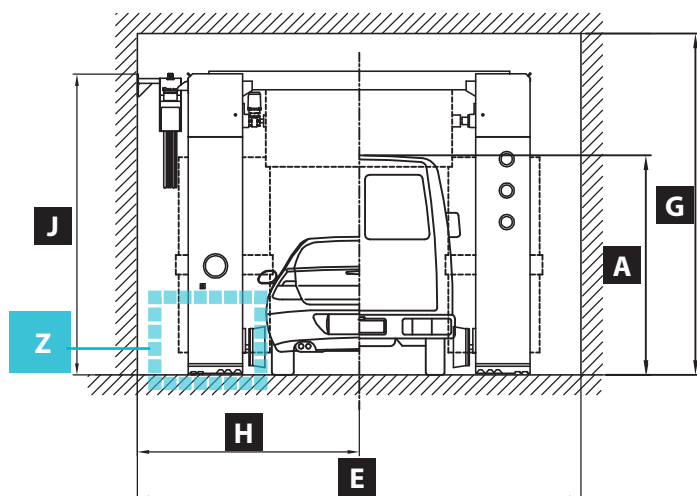
A	Max. vehicle height	2300		2500		2700	
B	Max. vehicle width	2400					
C	Rail length	9000	10000	9000	10000	9000	10000
E	Recommended	4520	4520	4520	4520	4520	4520
	Minimum	4000	4000	4000	4000	4000	4000
	Without cutting supporting arm	4924	4924	4924	4924	4924	4924
G	Recommended	3550	3550	3750	3750	3950	3950
	Minimum	3150	3150	3350	3350	3550	3550
H	Recommended	2260	2260	2260	2260	2260	2260
	Minimum	2040	2040	2040	2040	2040	2040
	Without cutting supporting arm	2664	2664	2664	2664	2664	2664
J	Height service line	3084	3084	3284	3284	3484	3484
M	Max. vehicle length	6000	7000	6000	7000	6000	7000
P	Between centres of posts	4320	4820	4320	4820	4320	4820
Q	Between centres of rails	2854	2854	2854	2854	2854	2854
R	Length bay enclosure	10100	11100	10100	11100	10100	11100
Y	Between centring guides	2050	2050	2050	2050	2050	2050

Installation of parts



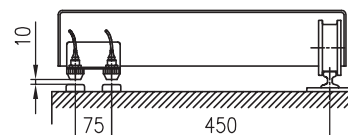
Catenary connection

Dimensions

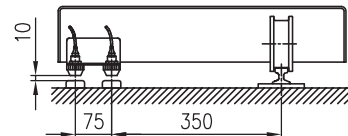


Detail Z

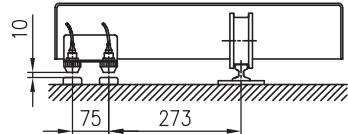
Between rails: 2500 ± 5



Between rails: 2700 ± 5

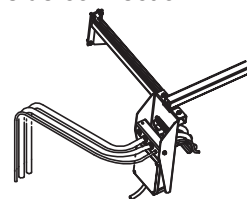


Between rails: 2854 ± 5

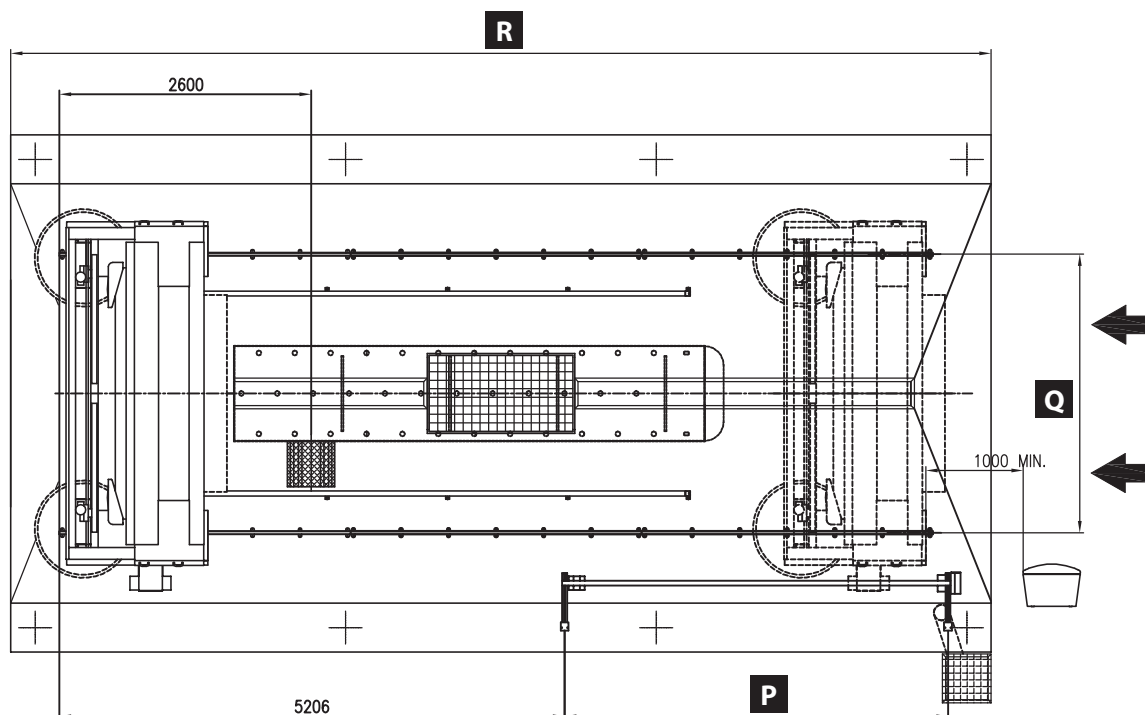
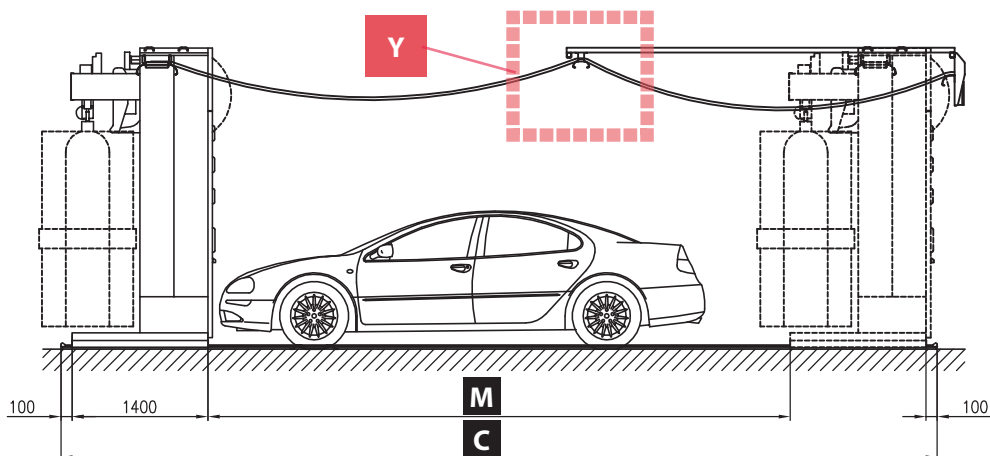
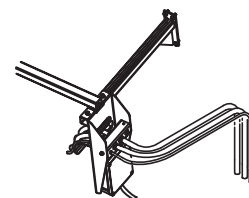


Detail Y

Left side connection



Right side connection



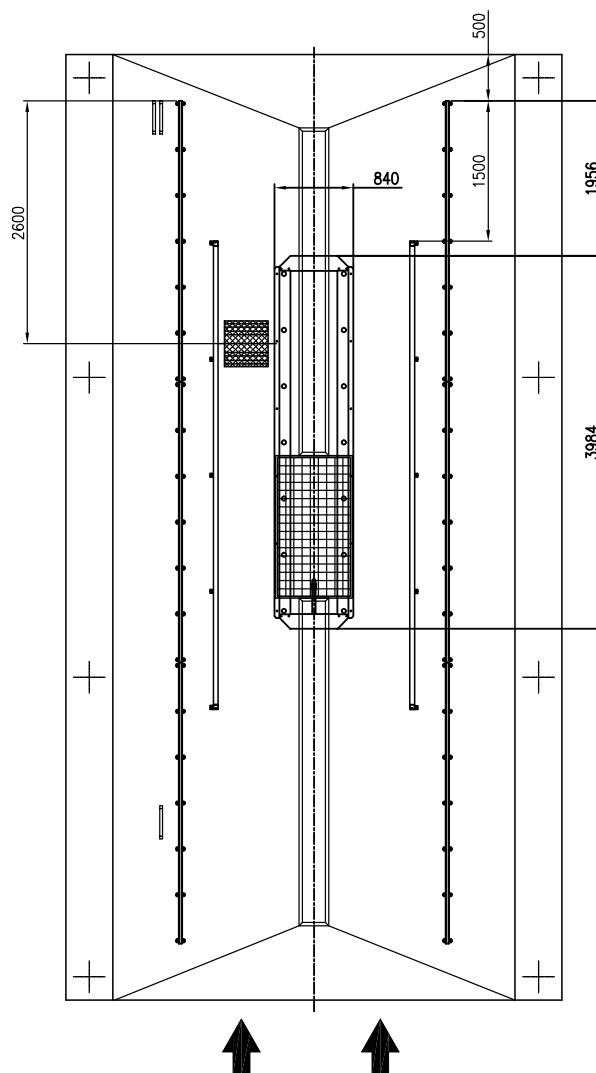
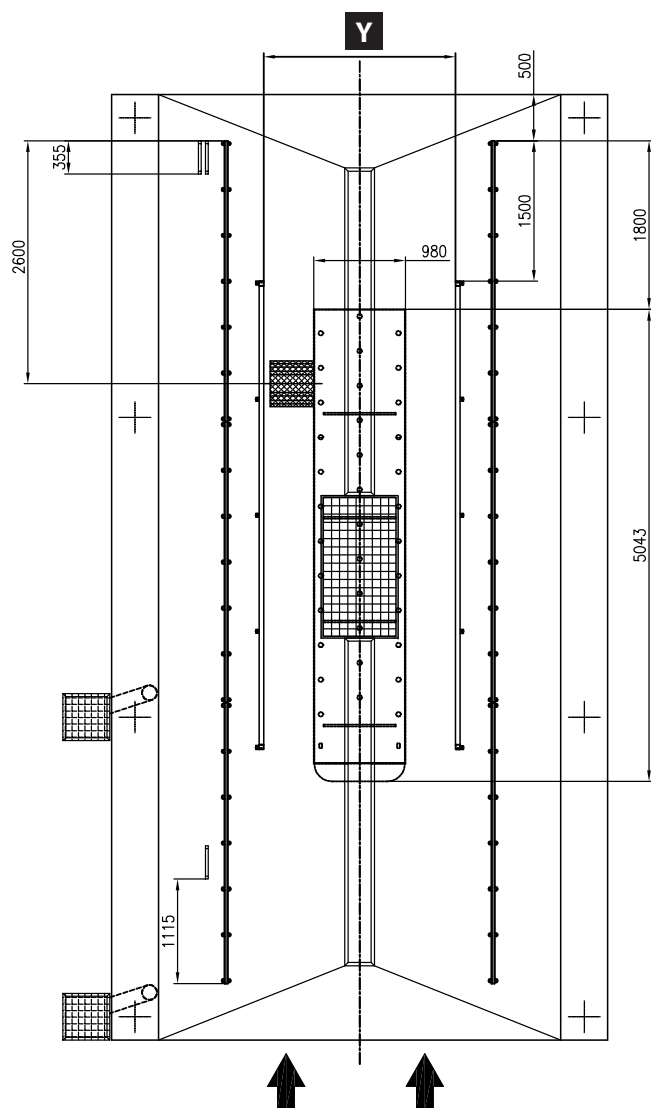
The distance between the underside of the foot and the floor must not exceed 10 mm.

With the enclosure of 4500 mm. you will need to install the anti-smashing system and wire or rubber switch.

Measurements in mm.

A	Max. vehicle height	2300		2500		2700	
B	Max. vehicle width	2400					
C	Rail length	9000	10000	9000	10000	9000	10000
E	Recommended	4520	4520	4520	4520	4520	4520
	Minimum	4000	4000	4000	4000	4000	4000
	Without cutting supporting arm	4924	4924	4924	4924	4924	4924
G	Recommended	3550	3550	3750	3750	3950	3950
	Minimum	3150	3150	3350	3350	3550	3550
H	Recommended	2260	2260	2260	2260	2260	2260
	Minimum	2040	2040	2040	2040	2040	2040
	Without cutting supporting arm	2664	2664	2664	2664	2664	2664
J	Height service line	2364	2364	2564	2564	2764	2764
M	Max. vehicle length	6000	7000	6000	7000	6000	7000
P	Between centres of posts	3950	4950	3950	4950	3950	4950
Q	Between centres of rails	2854	2854	2854	2854	2854	2854
R	Length bay enclosure	10100	11100	10100	11100	10100	11100
Y	Between centring guides	2050	2050	2050	2050	2050	2050

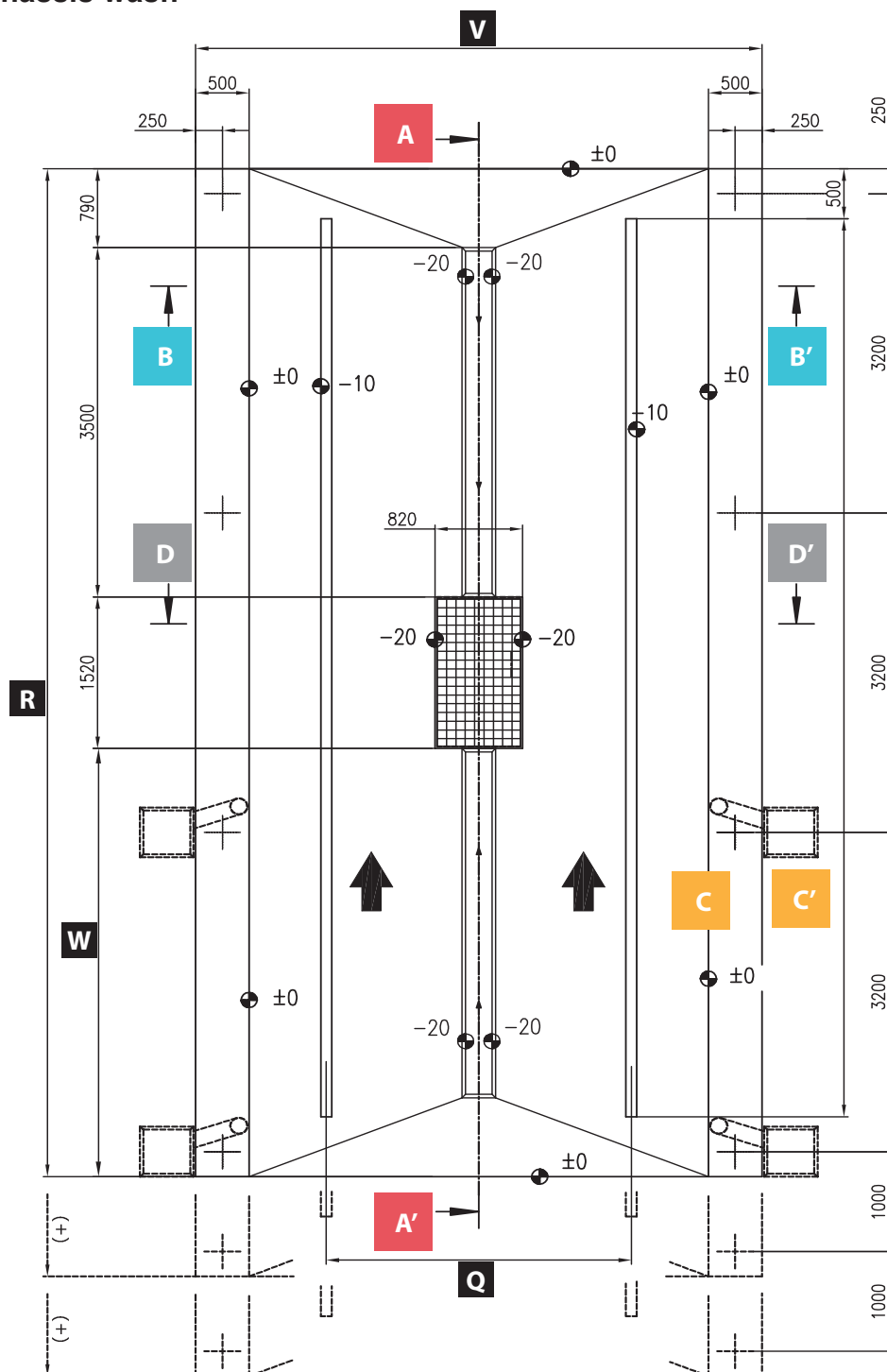
Installation of parts



Measurements in mm.

Measurements and cross sections

No underchassis wash



Surface of bay treated with non-slip finish.

Any guarantees as to the dimensions of the concrete beds depend on the floor being properly compacted. The dimensions of the frames and grates can be consulted on page 25.

A	Max. vehicle height	2300		2500		2700	
B	Max. vehicle width	2400					
C	Rail length	9000	10000	9000	10000	9000	10000
Q	Between centres of rails	2854	2854	2854	2854	2854	2854
R	Length bay enclosure	10100	11100	10100	11100	10100	11100
V	Width for enclosure 4.5 m.	5000	5000	5000	5000	5000	5000
	Width for enclosure 4.8 m.	5300	5300	5300	5300	5300	5300
W	Length of entry grid, no Underchassis wash	3500	4500	3500	4500	3500	4500

Measurements in mm.

Technical drawing of a basement wall cross-section. The main drawing shows a central wall section with a hollow brick core (250x120x90 mm) laid with M-40 mortar. The wall is 1410 mm wide and 1520 mm high. The top and bottom of the wall are at ±0 and -250 mm, respectively. The wall is supported by a foundation. Two circular callouts provide detailed views of the wall and foundation. The left callout shows the wall and foundation details, including the AEH-400 N concrete and the rebar mat (150x150x6 mm B 500 s). The right callout shows the wall and foundation details, including the AEH-400 N concrete and the rebar mat (150x150x6 mm B 500 s). The bottom callout shows the rebar mat details, including the 8 mm diameter bars and the 95 mm spacing.

HEA Section 100x9000 mm
Not supplied by Istobal SA

AEH-400 N

Rebar mat 150x150x6 mm B 500 s

PVC pipe D160 mm

LPN 30x3 mm

Drain pipe D50 mm

Technical drawing of a cross-section of a bridge structure, showing a concrete deck, a central pier, and a base. The drawing includes dimensions, elevation markers, and material specifications.

Dimensions and Elevation Markers:

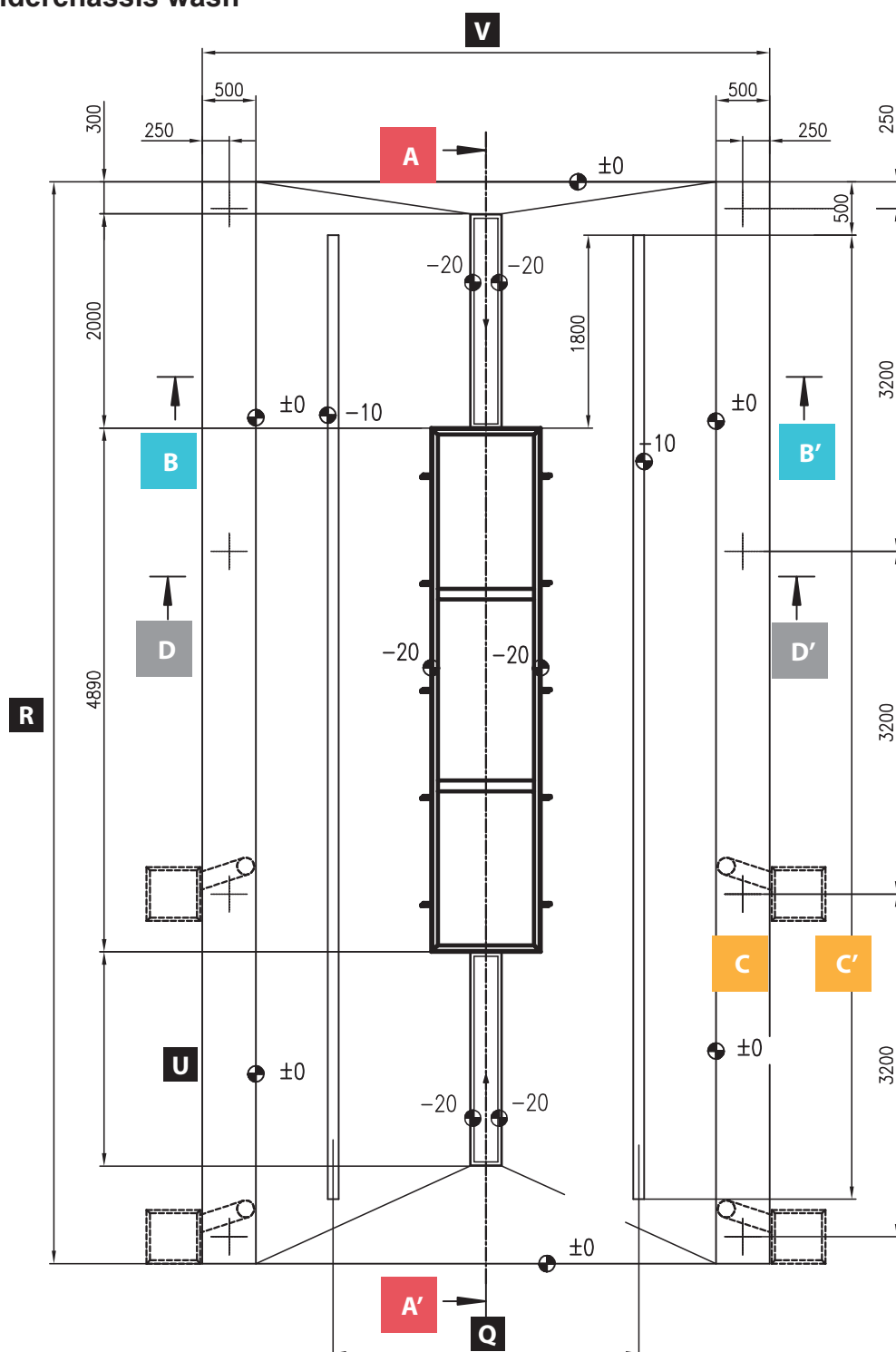
- Elevation markers: ± 0 , -10 , -20 , -20 , -10 , -0 .
- Horizontal dimensions: 1000 , 250 , 40 , 250 , 200 , 560 , 40 , 98 .
- Vertical dimensions: 450 , 320 , 1060 , 700 .
- Other dimensions: 90 , 250 , 2% .

Material Specifications:

- Concrete strength: $CK=25 \text{ n/mm}^2$
- Base material: **cadam**
- Rebar mat: **Rebar mat 150x150x6 mm B 500 s** (indicated by red arrows pointing to three locations).

GB

With underchassis wash



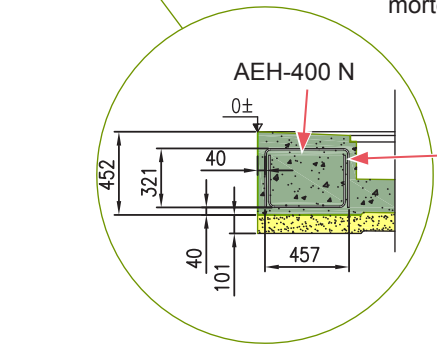
Surface of bay treated with non-slip finish.

Any guarantees as to the dimensions of the concrete beds depend on the floor being properly compacted. The dimensions of the frames and grates can be consulted on page 25.

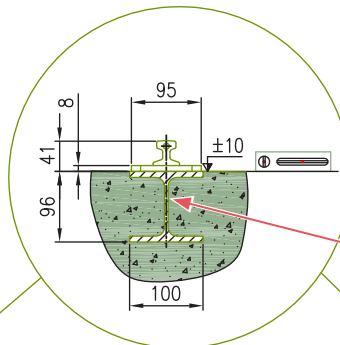
A	Max. vehicle height	2300		2500		2700	
B	Max. vehicle width	2400					
C	Rail length	9000	10000	9000	10000	9000	10000
Q	Between centres of rails	2854	2854	2854	2854	2854	2854
R	Length bay enclosure	10100	11100	10100	11100	10100	11100
U	Length of entry grid, with Under chassis wash	2000	3000	2000	3000	2000	3000
V	Width for enclosure 4.5 m.	5000	5000	5000	5000	5000	5000
	Width for enclosure 4.8 m.	5300	5300	5300	5300	5300	5300

Measurements in mm.

SECTION A - A'

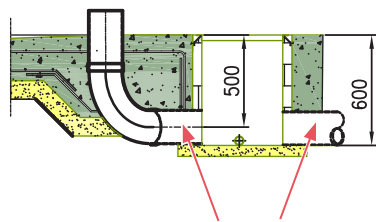


SECTION B - B'

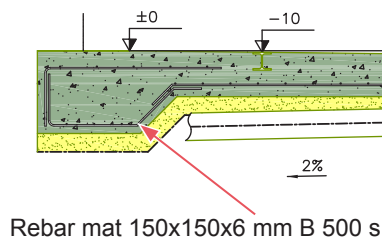


SECTION C - C'

Energy chain or catenary connection, right or left (depending on the layout of the facility).



SECTION D - D'

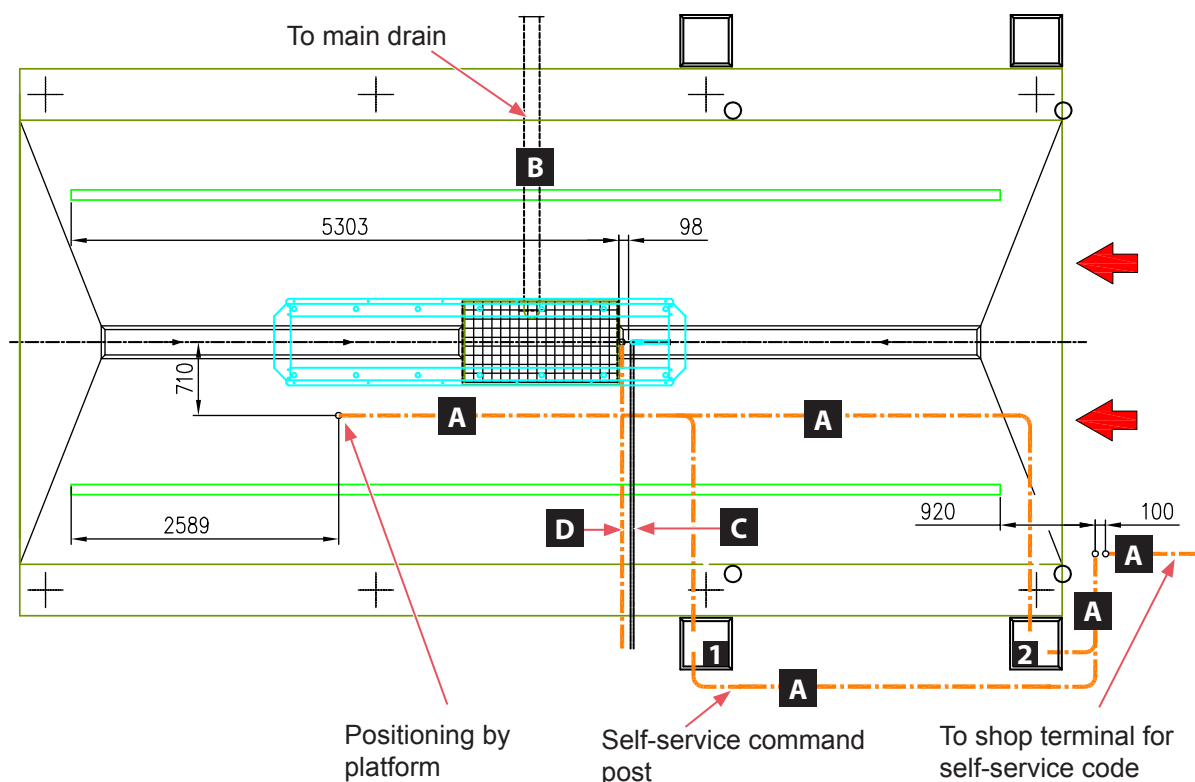


GB

Piping

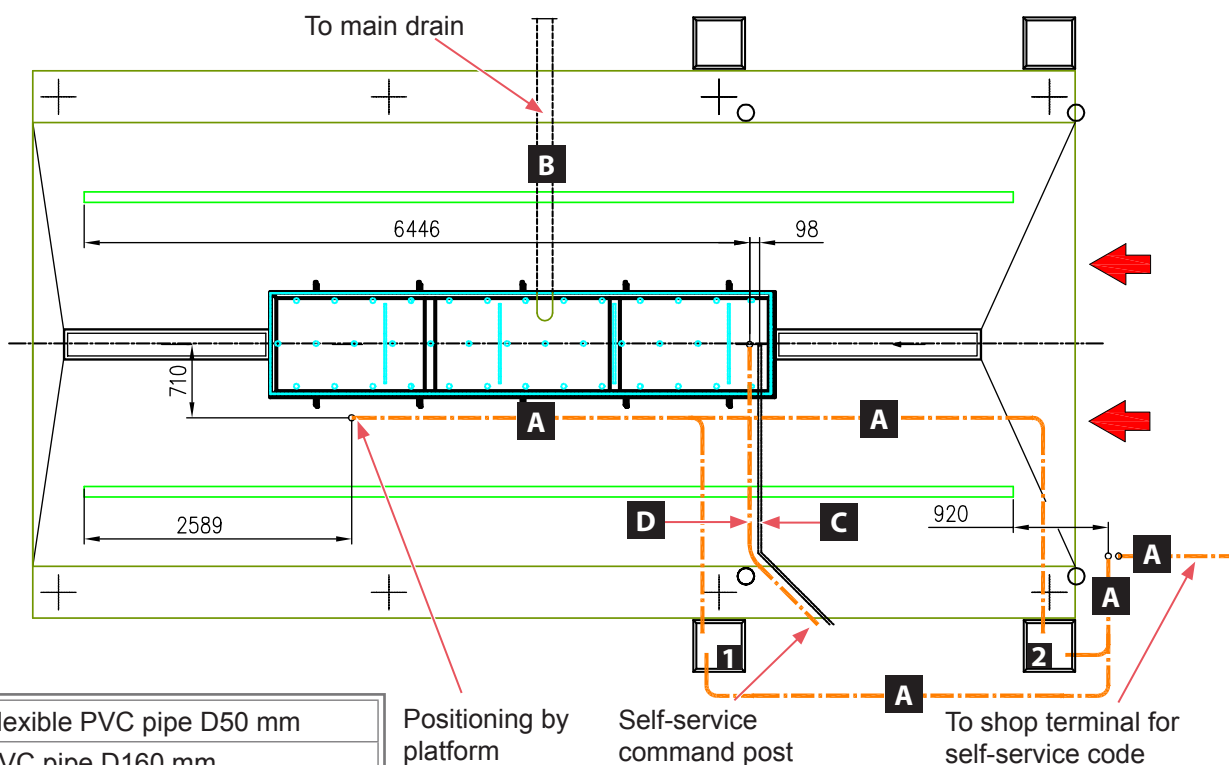
Overground underchassis wash

Mod. 4827400



Fitted underchassis wash

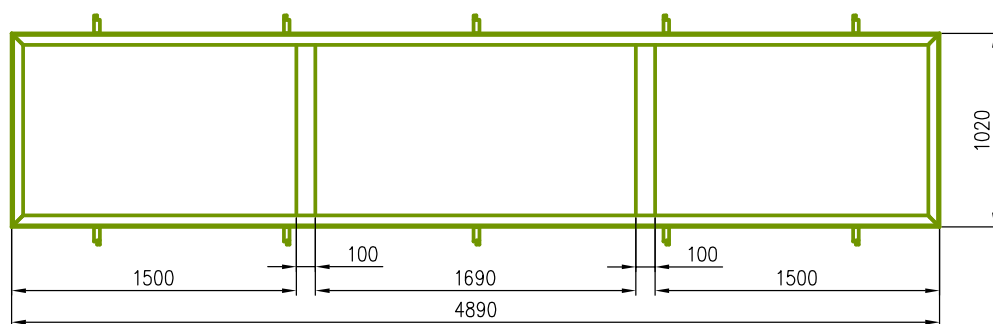
Mod. 4300400 or 4300700



- | | |
|----------|-----------------------------|
| A | Flexible PVC pipe D50 mm |
| B | PVC pipe D160 mm |
| C | PVC pipe D30 mm |
| D | 1" pipe DIN 2440 |
| 1 | Energy chain connection box |
| 2 | Catenary connection box |

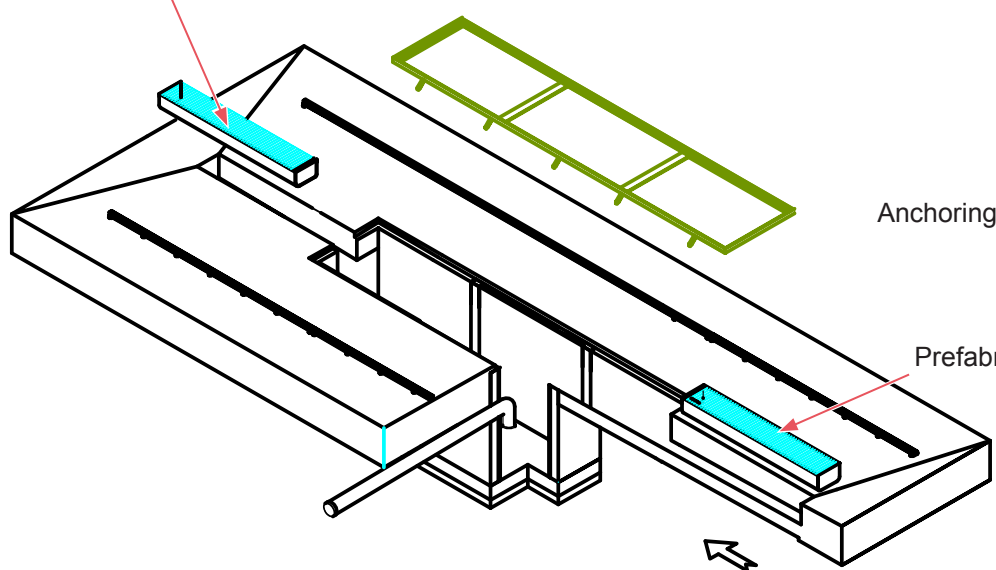
Frames and grates

Frame for fitted underchassis wash (not supplied by Istobal).



"L" Section 60x60x8 mm

Prefabricated guttering

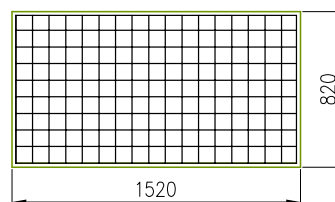
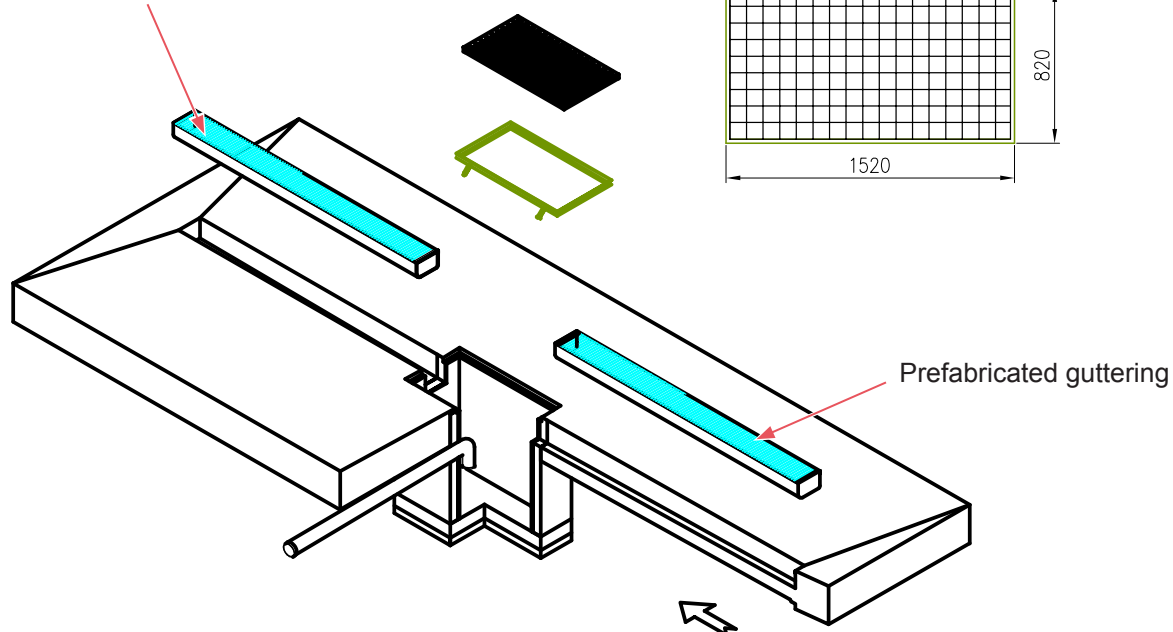


Anchoring

Prefabricated guttering

Grate with 820x1516mm frame ref. 2375600 (optional)

Prefabricated guttering



Measurements in mm.

Installation

Overhead service connections

