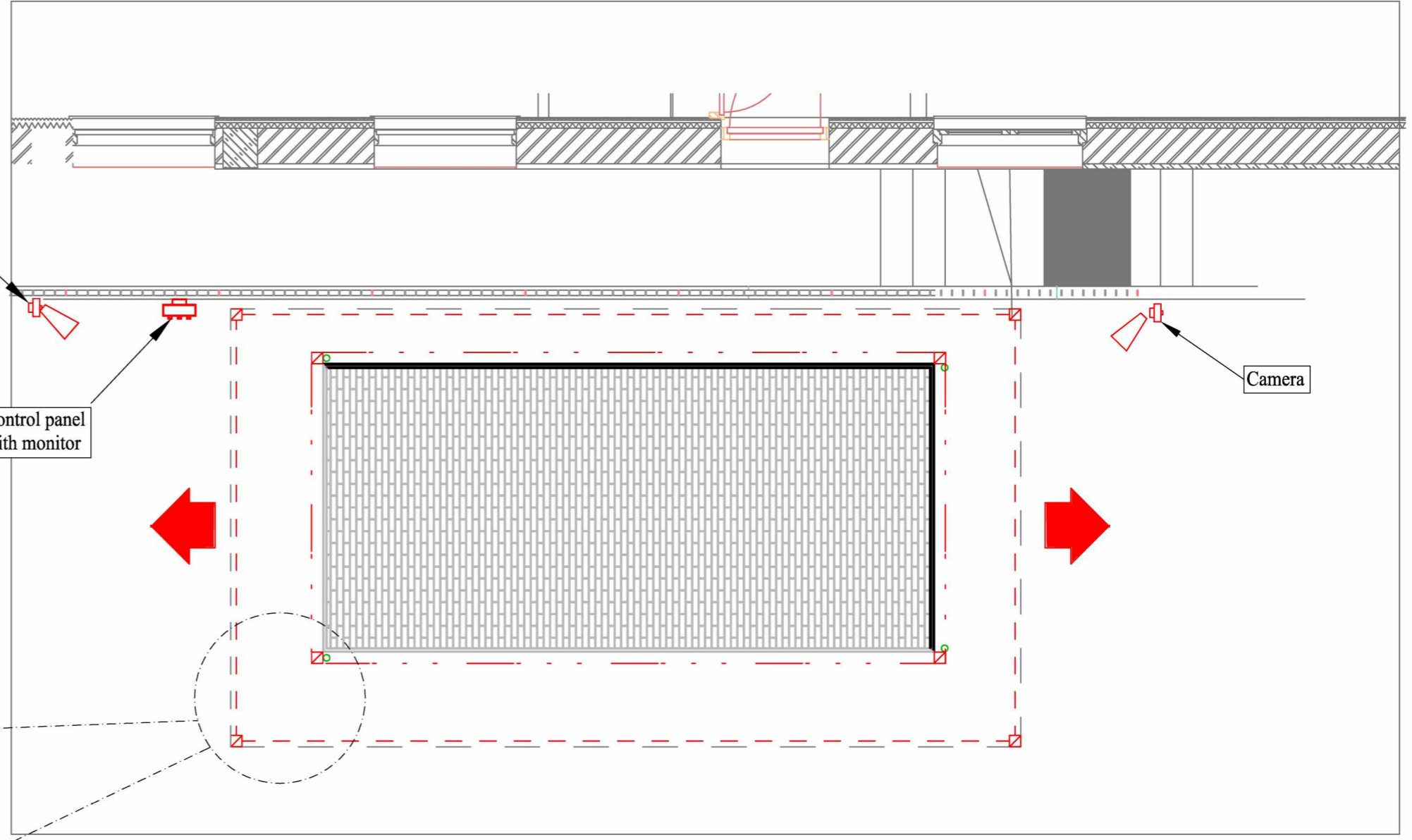
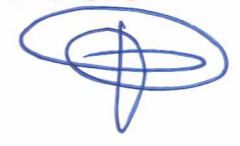
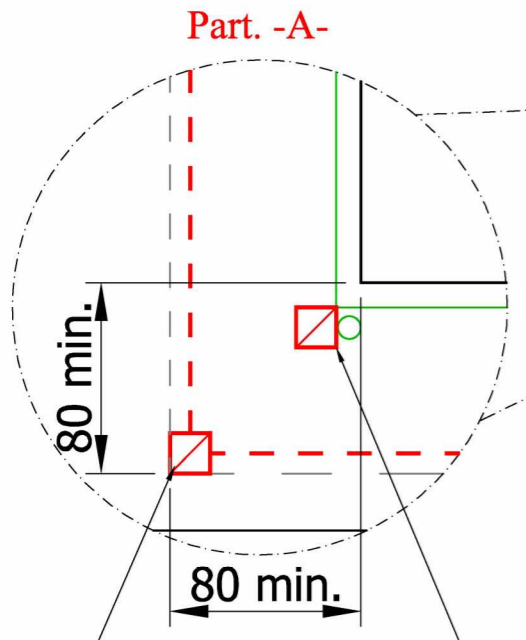


SHAFT - Ground Level

✘ Gemeente Behoort bij beschikking met  
 ✘ Amsterdam OLO-nummer: 4140575  
 ✘ **004T**



The control panel must be positioned in order to have a clear vision of the entire system.



Anti-shearing photoelectric cells on the stairs  
 Nr. 1 fotocellule carrabili anticesoimento nei 4 angoli

**USEFUL DIMENSIONS PARKING FLOOR:**  
 Length. = ~ 560-8 = ~ 552 cm  
 Width. = ~ 230 cm  
 N. B. With the application of the photocells on board the system, the length of the parking platform is reduced by about 8 cm total

Dimensions and tolerances indicated have to be respected, non compliance could cause impossibility to install the system

FOR APPROVAL	
DATE	SIGNATURE

<b>Description:</b> INSTALLATION CARLIFT IP1-CM MOB2	
<b>Client:</b> A.P.S.	<input type="checkbox"/> Order <input checked="" type="checkbox"/> Offer 2018_01_17_NL_50
<b>System type:</b> IP1-CM MOB2	NOTE : Walls must be vertical
<b>Scale:</b> 1 = 50	Dimensions tolerances : 0 / +2 cm

Dimensions in cm

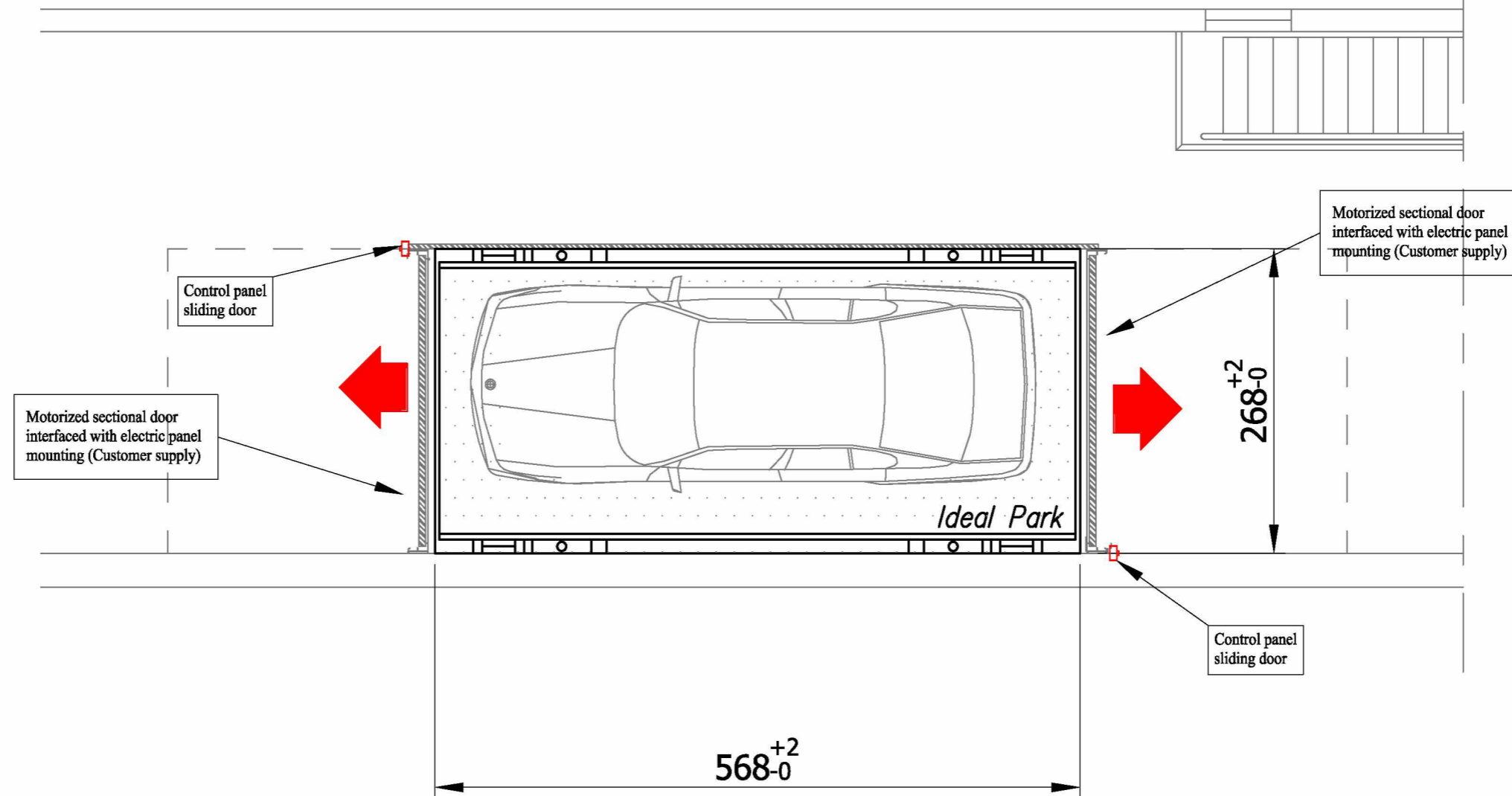
<b>Drawing:</b> 2018_01_17_NL_50	<b>Sheet:</b> 1/12
<b>Sign:</b> [Signature]	<b>Draw Date:</b> 17/01/2018
<b>Rev.:</b> --	<b>Rev. Date:</b>

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# SHAFT - Underground Level

*with system installed*



Dimensions in cm

Dimensions and tolerances indicated have to be respected, non compliance could cause impossibility to install the system

FOR APPROVAL	
DATE	SIGNATURE

<b>Description:</b> INSTALLATION CARLIFT IP1-CM MOB2	
<b>Client:</b> A.P.S.	<input type="checkbox"/> Order <input checked="" type="checkbox"/> Offer 2018_01_17_NL_50
<b>System type:</b> IP1-CM MOB2	NOTE : Walls must be vertical
<b>Scale:</b> 1 = 50	Dimensions tolerances : 0 / +2 cm

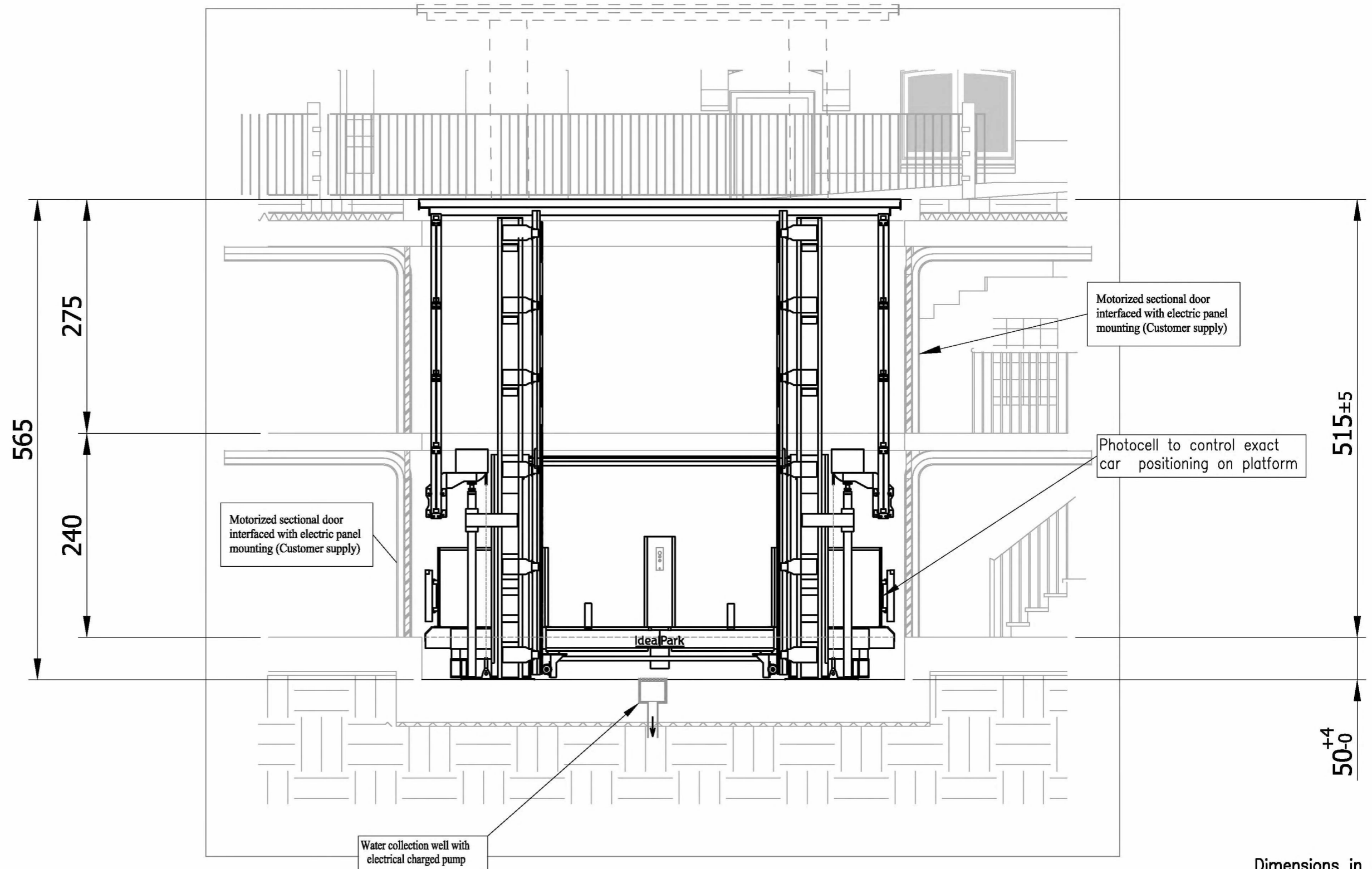
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<b>Sign:</b> [Signature]	<b>Draw Date:</b> 17/01/2018		
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**Section A-A**  
with system installed



Dimensions in cm

Dimensions and tolerances indicated have to be respected, non compliance could cause impossibility to install the system

FOR APPROVAL	
DATE	SIGNATURE

<b>Description:</b> INSTALLATION CARLIFT IP1-CM MOB2	
<b>Client:</b> A.P.S.	<input type="checkbox"/> Order <input checked="" type="checkbox"/> Offer 2018_01_17_NL_50
<b>System type:</b> IP1-CM MOB2	NOTE : Walls must be vertical
<b>Scale:</b> 1 = 50	Dimensions tolerances : 0 / +2 cm

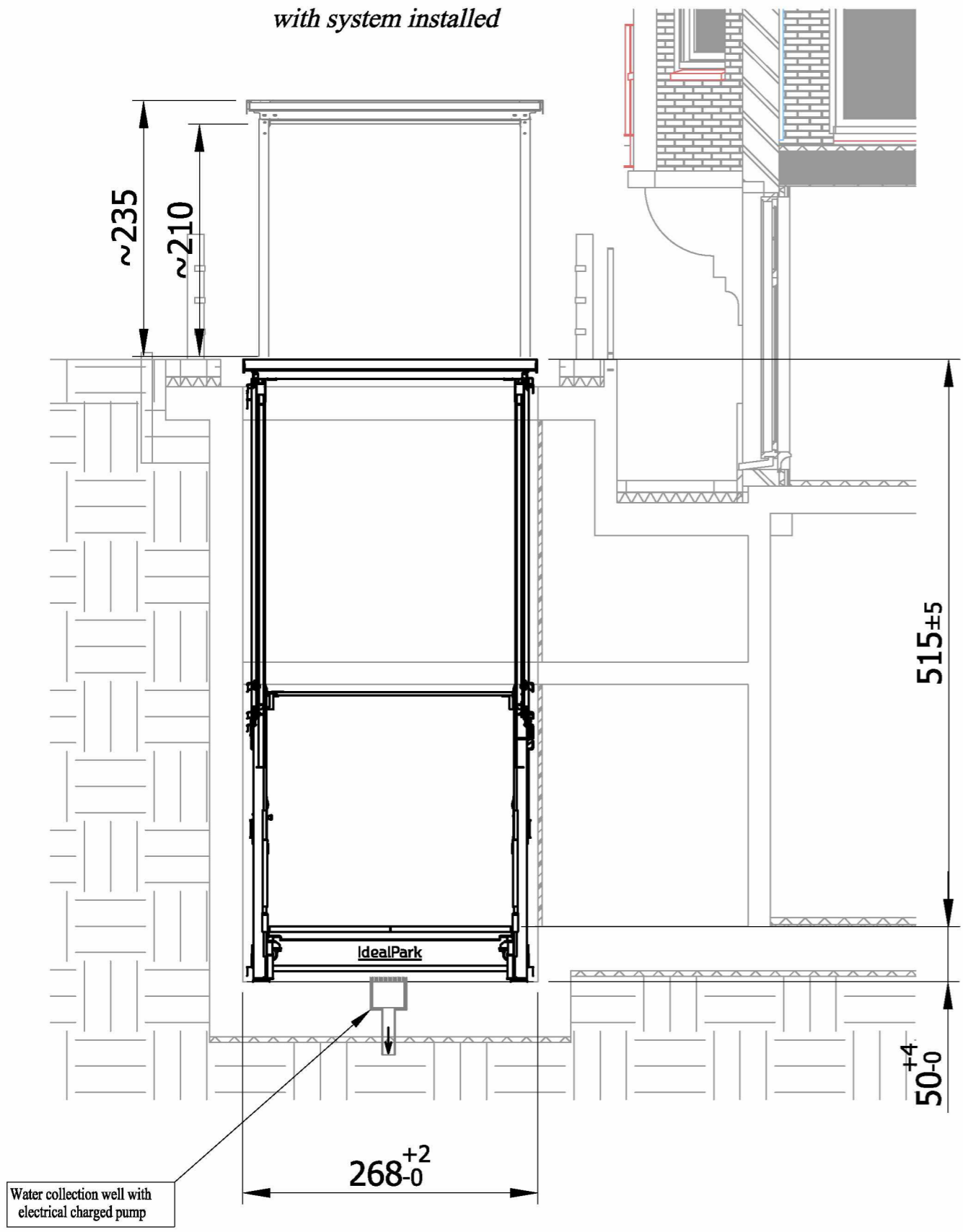
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# Section B-B

with system installed



It is recommended to reinforce the cementitious screed with Structural polymer fibers (or steel welded mesh as an alternative). The deflection of the cover, rested on the perimetral gutter and with a car parked above on it, can reach up to 5–10 mm (depending on the building of the screed). It is recommended to reduce the dimensions of the tiles to be applied above the cover (for example 15x15 cm), and the application of adequate gaps between tiles, filled with elastic material.

Hydraulic power pack's technical room must have sound characteristics in order to avoid resonance phenomena (if possible avoid to position it on stairwell). When not possible it is necessary to install elements to avoid resonance phenomena (like sound-absorbing panels). Sound pressure level – hydraulic power pack ~72 dB(A) measured at 1m distance in an open field, without any protection above motors.

Water collection well with electrical charged pump

Dimensions and tolerances indicated have to be respected, non compliance could cause impossibility to install the system

FOR APPROVAL	
DATE	SIGNATURE

<b>Description:</b> INSTALLATION CARLIFT IP1-CM MOB2	
<b>Client:</b> A.P.S.	<input type="checkbox"/> Order <input checked="" type="checkbox"/> Offer 2018_01_17_NL_50
<b>System type:</b> IP1-CM MOB2	NOTE : Walls must be vertical
<b>Scale:</b> 1 = 50	Dimensions tolerances : 0 / +2 cm

Dimensions in cm

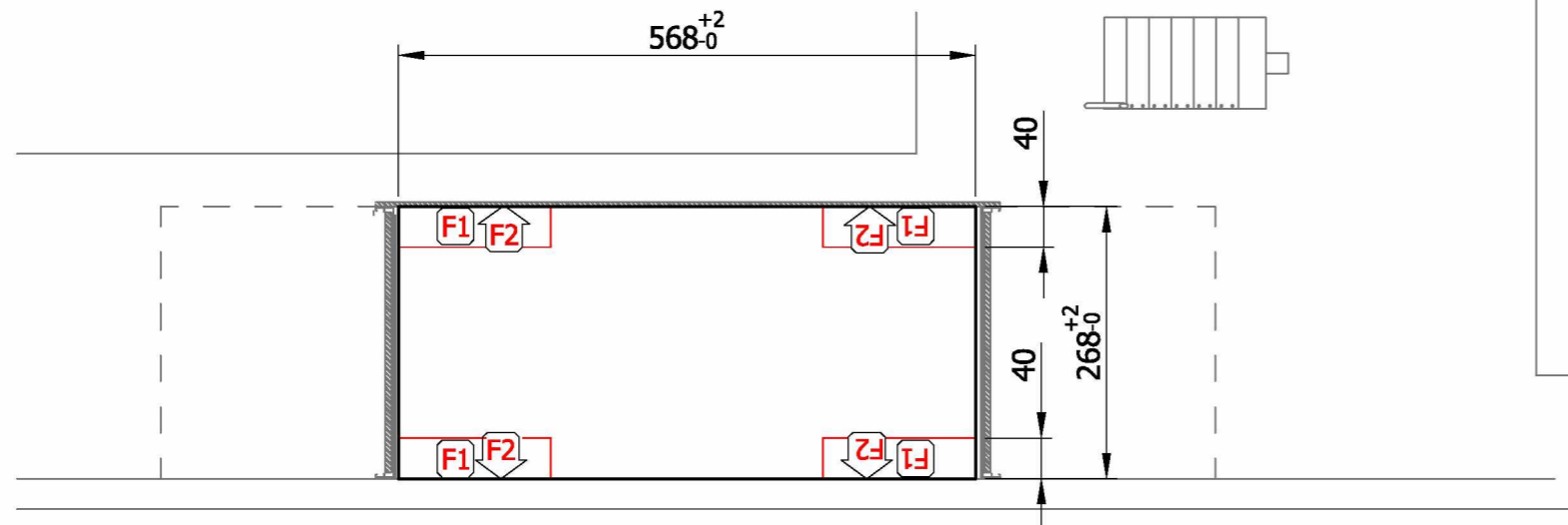
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<b>Rev.:</b> --	<b>Rev. Date:</b>

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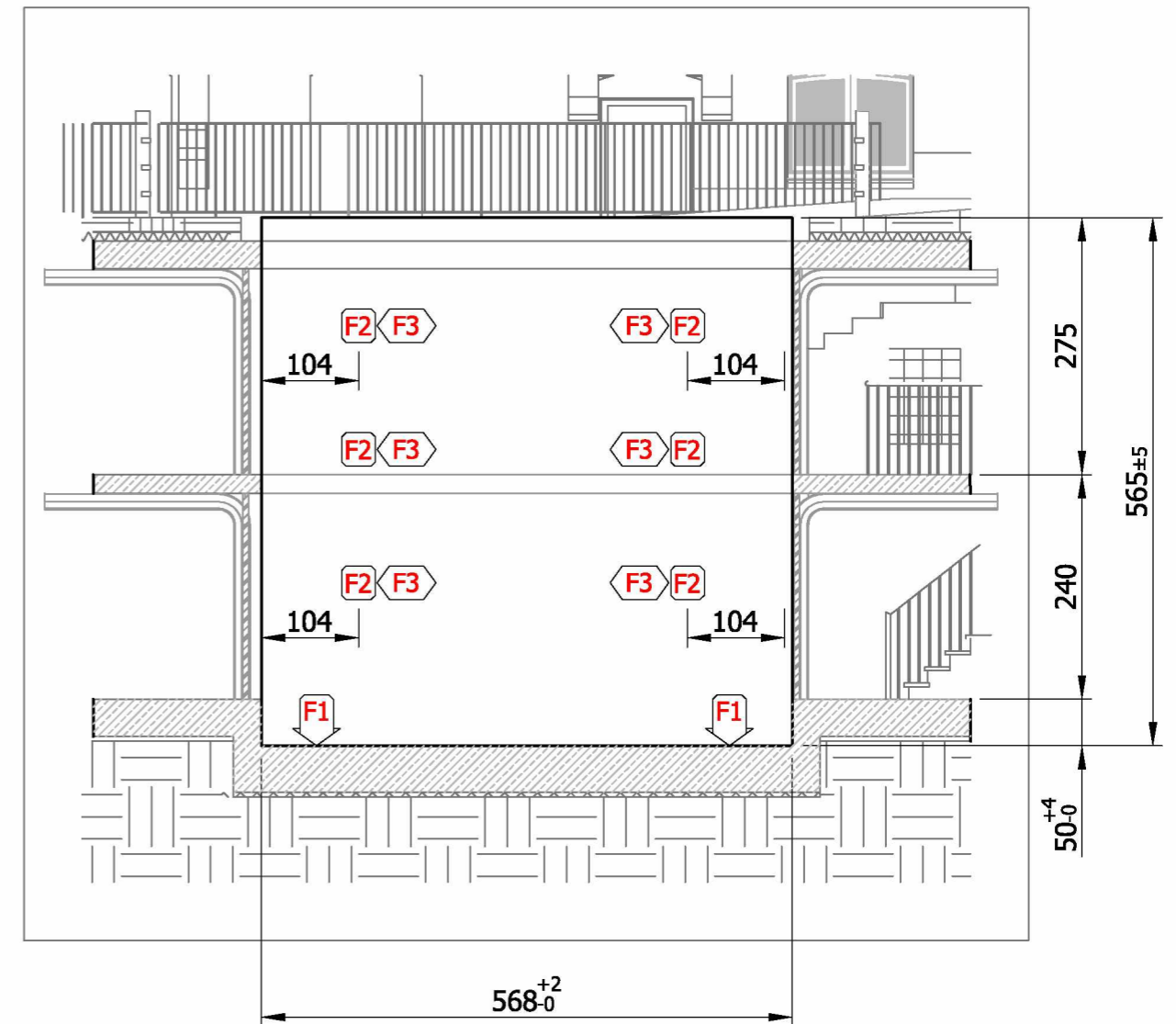
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**SIDE WALLS / PIT LOADS**

**SHAFT - Underground Level**



**Section C-C**



Type of support in the column fixing zone:  
reinforced concrete -  $R_{min.} = 3,5 \text{ kN/cm}^2$

F1 = 22 kN  
F2 = 6 kN  
F3 = ±2 kN

(1 kN = 100 kg)

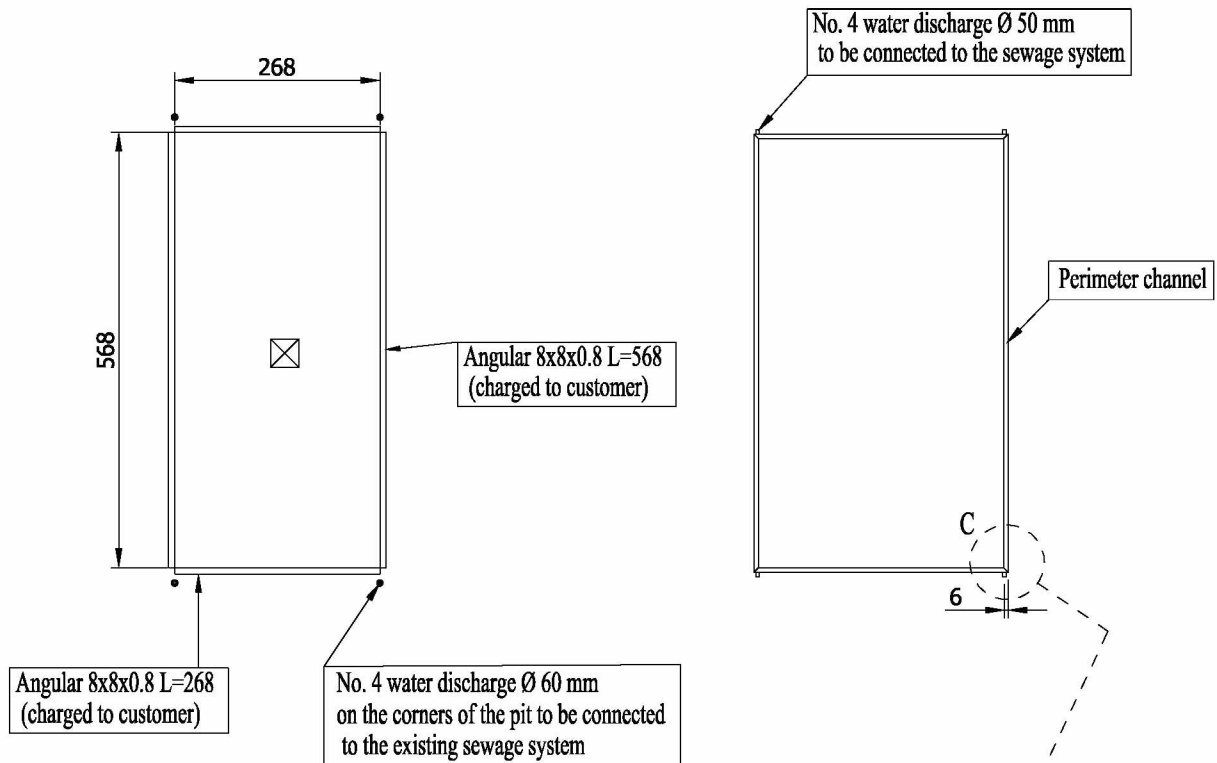
All the loads include car load  
Max weight allowed = 2700 kg

Dimensions and tolerances indicated have to be respected, non compliance could cause impossibility to install the system

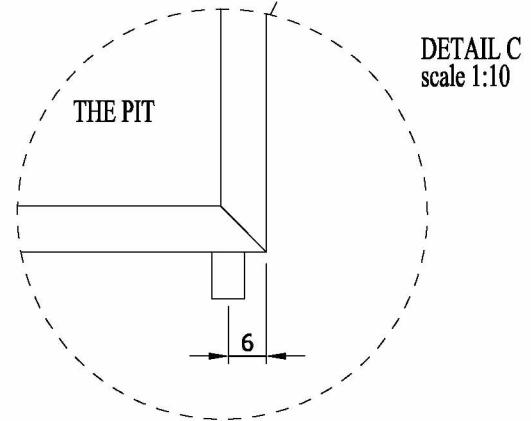
FOR APPROVAL	
DATE	SIGNATURE

<i>Description:</i> INSTALLATION CARLIFT IP1-CM MOB2		Dimensions in cm	
<i>Client:</i> A.P.S.		<input type="checkbox"/> Order	<input checked="" type="checkbox"/> Offer
		2018_01_17_NL_50	
<i>System type:</i> IP1-CM MOB2	NOTE : Walls must be vertical		
<i>Scale:</i> -:--	Dimensions tolerances : 0 / +2 cm		
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# POSITIONING DRAINAGE WATER AND ANGULARS



The corners must be positioned by the customer when the concrete casting ends as it ends "specifications hat for outdoor / indoor at an altitude of -15 cm.



Dimensions and tolerances indicated have to be respected, non compliance could cause impossibility to install the system

FOR APPROVAL	
DATE	SIGNATURE

Dimensions in cm

**Description:**  
INSTALLATION CARLIFT IP1-CM MOB2

**Drawing:** 2018\_01\_17\_NL\_50 **Sheet:** 7/12

**Client:**  
A.P.S.  Order  Offer  
2018\_01\_17\_NL\_50

**Sign:**  **Draw Date:** 17/01/2018

**Rev.:** -- **Rev. Date:**

**System type:**  
IP1-CM MOB2

NOTE : Walls must be vertical

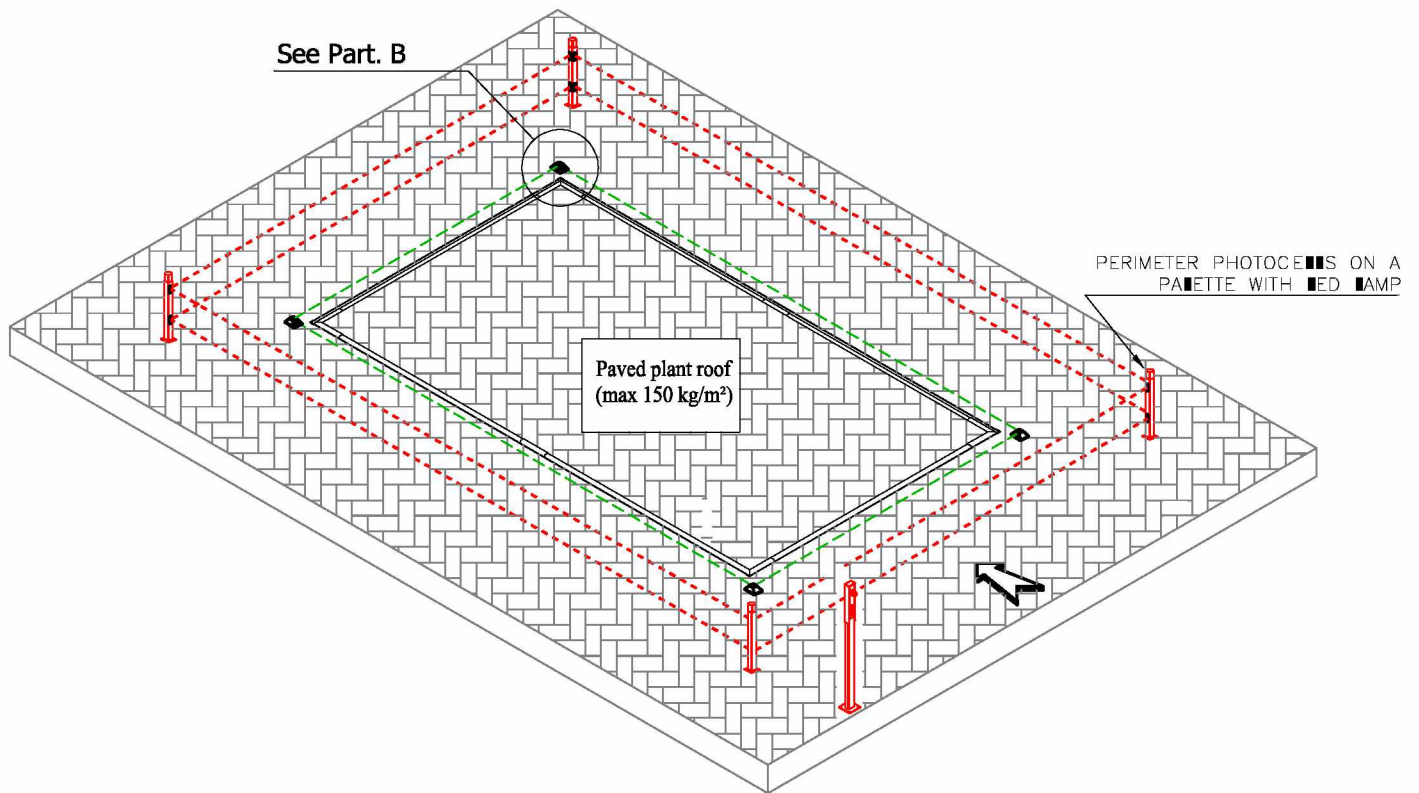
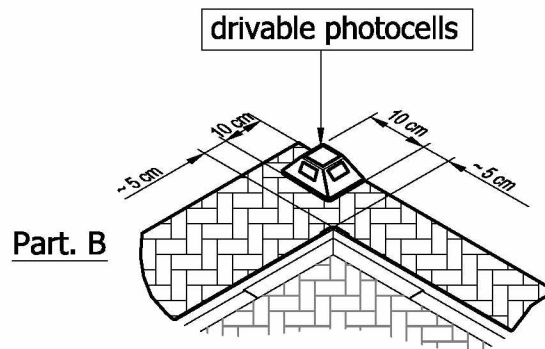
**Scale:**  
-:--

Dimensions tolerances : 0 / +2 cm

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# SPECIFICATIONS FOR PHOTOELECTRIC CELLS



Dimensions and tolerances indicated have to be respected, non compliance could cause impossibility to install the system

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Dimensions in cm

**Description:**  
INSTALLATION CARLIFT IP1-CM MOB2

**Drawing:** 2018\_01\_17\_NL\_50 **Sheet:** 8/12

**Client:**  
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2018\_01\_17\_NL\_50

**Sign:**                      **Draw Date:** 17/01/2018

**Rev.:** -- **Rev. Date:**

**System type:**  
IP1-CM MOB2

NOTE : Walls must be vertical

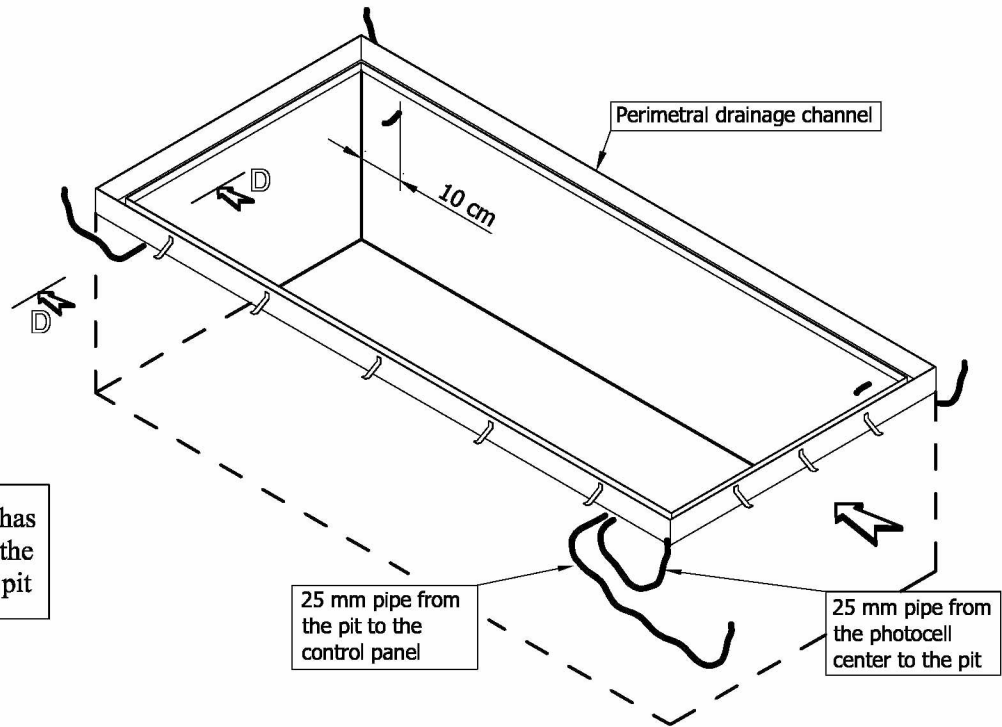
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Dimensions tolerances : 0 / +2 cm



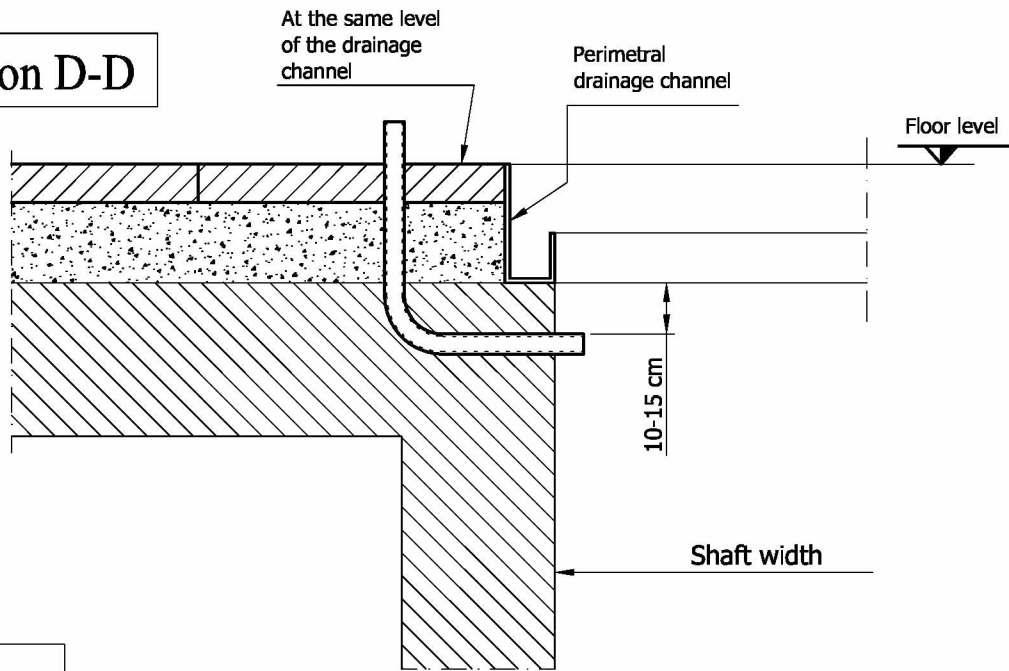
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# Piping set up from the perimetral photocells inside the car lift's pit - Typical design



N.B. the pipelines has to enter only from the longer sides of the pit

## Section D-D



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DATE	SIGNATURE

Dimensions in cm

**Description:**  
INSTALLATION CARLIFT IP1-CM MOB2

**Drawing:** 2018\_01\_17\_NL\_50 **Sheet:** 9/12

**Client:**  
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2018\_01\_17\_NL\_50

**Sign:**  **Draw Date:** 17/01/2018

**Rev.:** -- **Rev. Date:**

**System type:**  
IP1-CM MOB2

NOTE : Walls must be vertical

**Scale:**  
-:--

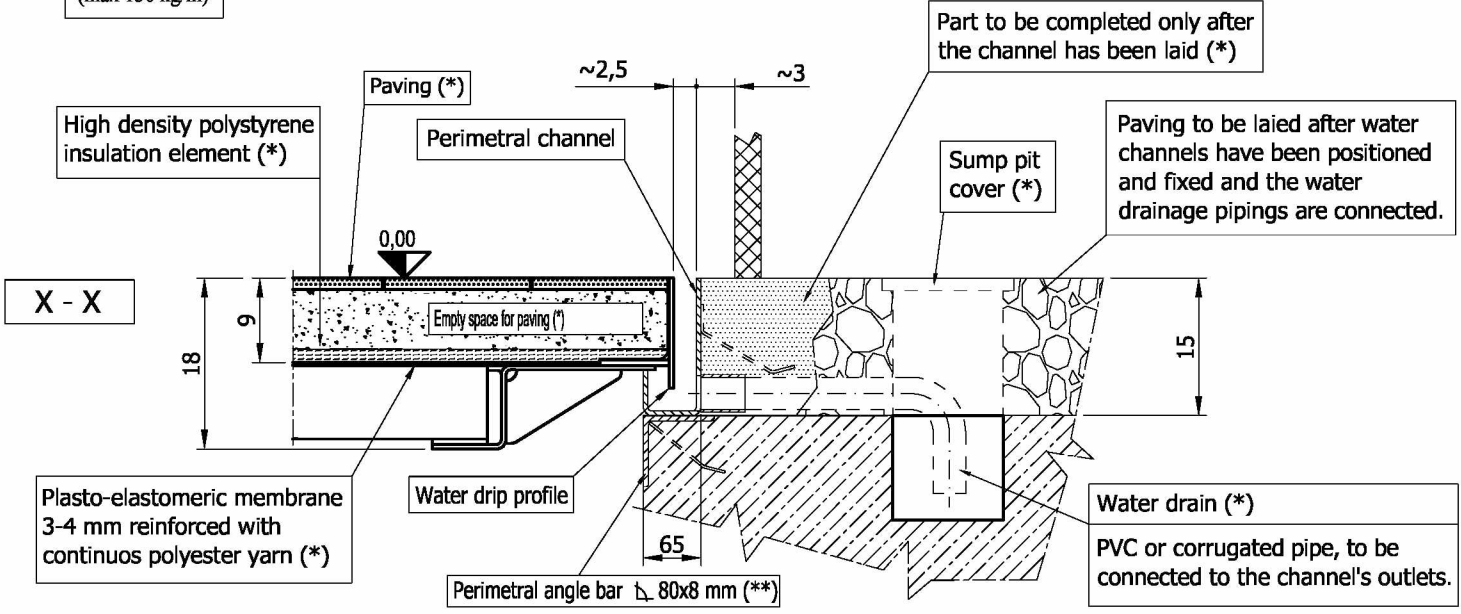
Dimensions tolerances : 0 / +2 cm

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# SPECIFICATIONS FOR OUTDOORS COVER

Parklift's cover with paving (max 150 kg/m)



We suggest to build pavement outside parklift cover's with a little slope, in order to drain raining water.

Perimetral drainage channel

X ↑

min. 20

Shaft border

min. 20

Recess for water drained, to be connected to the sewerage system (\*)

Part to be completed only after the channel has been laid (\*)

Anchor flask (suitable to fix the water channel to the floor with anchor bolts, before to lay the paving)

**NOTE**  
 (\*) Works at the purchaser's expenses  
 (\*\*) The base surface that supports the perimetral channel must be levelled. We suggest to use a profile to ensure a flat level. (\*)

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Dimensions in cm

<b>Description:</b> INSTALLATION CARLIFT IP1-CM MOB2		<b>Drawing:</b> 2018_01_17_NL_50	<b>Sheet:</b> 10/12
<b>Client:</b> A.P.S.	<input type="checkbox"/> Order <input checked="" type="checkbox"/> Offer	2018_01_17_NL_50	
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<b>Scale:</b> -:--	Dimensions tolerances : 0 / +2 cm		

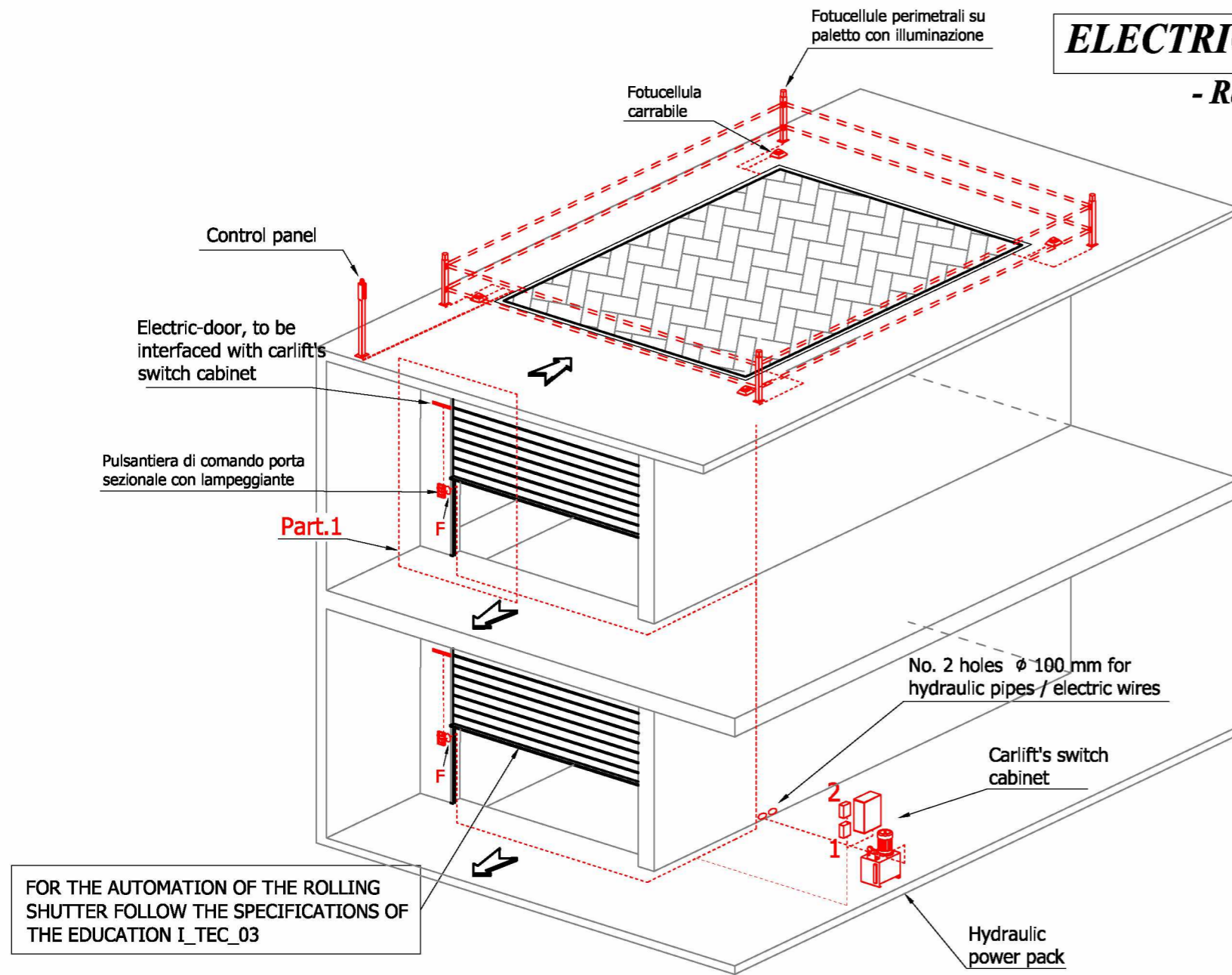
**Sign:**                         **Draw Date:** 17/01/2018  
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# ELECTRIC CONNECTIONS SCHEME

- Refer to other specifications -

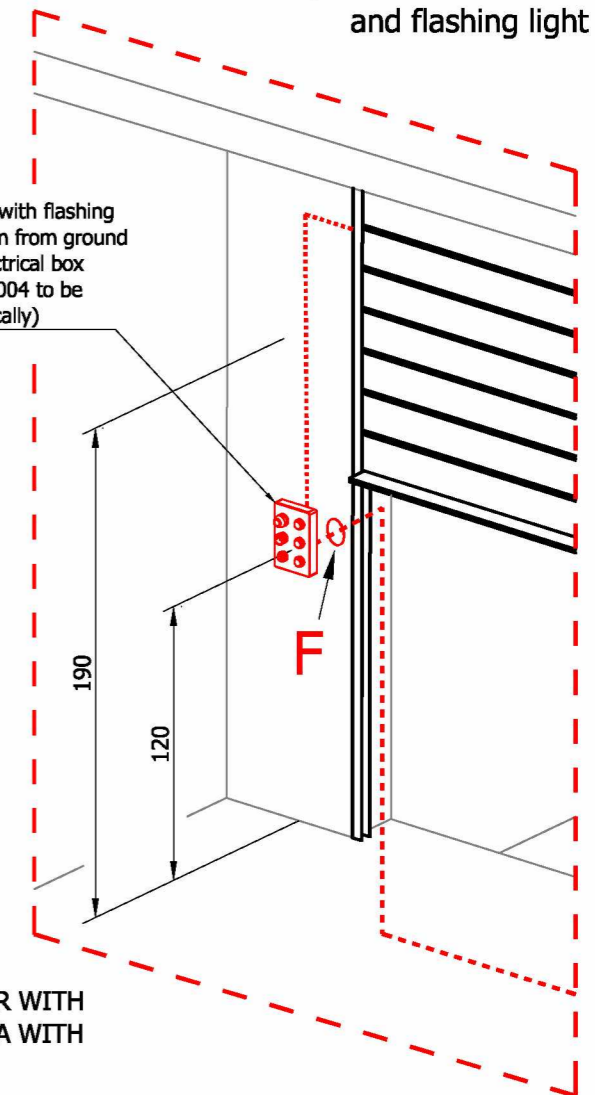


FOR THE AUTOMATION OF THE ROLLING SHUTTER FOLLOW THE SPECIFICATIONS OF THE EDUCATION I\_TEC\_03

ALL CABLES THEY MUST ARRIVE CLOSE OF THE ELECTRIC PICTURE.

THE FLASHING MUST BE POSITIONED IN A VISIBLE POSITION ABOVE THE CONTROL PUSH-BUTTON, WHEREVER YOU ARE

Detail -1- Showing the fixing height from the pavement for switch board and flashing light



1. MAIN SWITCH CABINET POWER SUPPLIER WITH CEE 5 PIN SOCKET (3PH. + N + EARTHING), 32A WITH DISCONNECTING SWITCH
  2. JUNCTION BOX / MAIN SWITCHBOARD, CONNECTED WITH MAIN SWITCH CABINET.
  3. DOOR AUTOMATION MODULE, NEXT TO THE DOOR MOTOR, CONNECTED TO THE MAIN SWITCHBOARD
  4. CONTROL PANEL AND FLASHING LIGHT CONNECTED WITH MAIN JUNCTION BOX WITH CABLES INSIDE THE SHAFT (IN EXTERNAL CONDUIT)
  5. SAFETY SWITCH FOR DOOR CLOSING, ON THE MAIN JUNCTION BOX SIDE
  - F. 30 MM DIAMETER HOLE BETWEEN SHAFT AND GARAGE FOR ELECTRICAL CABLES AND DOOR POWER SUPPLY
- N.B.: THE DOOR MOTOR AND THE CABLES PROVIDED BY THE CLIENT SHOULD BE INSIDE THE SHAFT, ON THE SAME SIDE OF THE MAIN JUNCTION BOX.

Power supply line to be carried up to the switch cabinet at Client charge:  
 -3 phase 5 wires (3F+N+Earthing)  
 -circuit breaker D type at 32A (AC3)

**General instructions:**  
 Switch cabinet should be positioned in an easy access location for service and protected from the use of non authorized person.  
 The control panel and signal flashing light will be positioned on the right hand side of the entrances.  
 The electric cables will be positioned on the inner side of the shaft using external PVC conduits and joint boxes.

**IDEALPARK SUPPLIES:**  
 - PLASTIC CHAIN FOR PLATFORM / SIDE WALL ELECTRIC CABLES GUIDE AND SUPPORTS;  
 - ALL COMPONENTS LISTED IN ELECTRIC SCHEMES, SUCH AS SENSORS, CONTROL PANELS, LIGHT SIGNALS, SWITCHES, AND SO ON.  
 - CABLES FOR CONNECTION WIDTH FLOOR CONTROL PANELS AND DOORS.  
 - CONNECTION BOXES (1 CONNECTION BOX FOR EACH FLOOR)  
 ALL OTHER COMPONENTS (PIPING FOR ELECTRIC CABLES, ADDITIONAL CONNECTION BOXES. ...) MUST BE SUPPLIED BY THE CUSTOMER / BUYER, DEPENDING FROM PARTICULAR NEEDS FOR LOCAL INSTALLATION.

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DATE	SIGNATURE

<b>Description:</b> INSTALLATION CARLIFT IP1-CM MOB2		<b>Drawing:</b> 2018_01_17_NL_50 <b>Sheet:</b> 11/12	
<b>Client:</b> A.P.S.	<input type="checkbox"/> Order	<input checked="" type="checkbox"/> Offer	<b>Sign:</b> [Signature]
<b>System type:</b> IP1-CM MOB2	NOTE : Walls must be vertical		
<b>Scale:</b> -:--	Dimensions tolerances : 0 / +2 cm		
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# CAR LIFT ELECTRICAL POWER SUPPLY (TO BE PROVIDED BY THE CLIENT BEFORE MECHANICAL ASSEMBLY)

Power supply with CEE 5 pin industrial socket  
(3ph. + N. + Earthing), 32A, IP44 with disconnecting switch.



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This electrical panel has to be positioned next to the Idealpark main switchboard.

Dimensions in cm

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<b>Client:</b> A.P.S.		<input type="checkbox"/> <b>Order</b> <input checked="" type="checkbox"/> <b>Offer</b> 2018_01_17_NL_50	<b>Sign:</b> <span style="background-color: gray; color: gray;">          </span> <b>Draw Date:</b> 17/01/2018
<b>System type:</b> IP1-CM MOB2	NOTE : Walls must be vertical		<b>Rev.:</b> -- <b>Rev. Date:</b>
<b>Scale:</b> -:--	Dimensions tolerances : 0 / +2 cm		<div style="border: 2px solid black; padding: 5px; font-weight: bold; font-size: 1.2em;">IdealPark</div> <p style="font-size: 0.8em; margin: 0;">Via Enrico Fermi, 9 - 37026 Pescantina (VR) - Italy / Web Site : <a href="http://www.idealpark.it">www.idealpark.it</a> Tel. +39 045 6750125 - Fax +39 045 6750263</p>
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