



LIFTINGITALIA S.r.l.

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LIFTINGITALIA[®]

COMFORTABLE HOMELIFTS

LUMIERE, IRON and GATE

Hinged Landing Door



INSTALLATION AND COMMISSIONING INSTRUCTIONS



LIFTINGITALIA S.r.l.

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Rev.	<i>Descrizione</i>	<i>Data</i>

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PURPOSE OF THE MANUAL

The purpose of this manual is to provide correct information on the installation of the product, in order to contribute to personal safety and to the proper functioning of the system. Keep the manual for the entire life of the product. In the event of a change of ownership, the manual must be provided to the new user as an integral part of the product.

NOTICE



READ THIS MANUAL CAREFULLY before installing and using the product. This product must be installed and put into operation according to the provisions and regulations in force. Improper installation or improper use of the product can cause damage to people and property, as well as cause the warranty to lapse.

FOLLOW THE SUGGESTIONS AND RECOMMENDATIONS TO OPERATE IN SAFETY. Any unauthorized modification can compromise the safety of the system, as well as the correct operation and the life of the machine. If you have any doubts regarding the correct understanding of the information and contents contained in this manual, contact LIFTING ITALIA S.r.l. immediately.

QUALIFIED PERSONNEL: The product covered by this documentation can only be installed by qualified personnel, in compliance with the attached technical documentation, above all in compliance with the safety warnings and the precautions contained therein.

Keep the technical and safety documentation near the system.



PERSONAL SECURITY AND RISK RECOGNITION

This manual contains safety rules that must be observed to safeguard personal safety and to prevent damage to the property. The indications to be followed to guarantee personal safety are highlighted by a triangle symbol while those to avoid material damage are not preceded by the triangle. The hazard warnings are shown as follows and indicate the different levels of risk in descending order.

RISK SYMBOLOGY AND PHRASES

RISK CLASSIFICATION AND RELATIVE GRAVITY OF DAMAGE		
DANGER	The symbol indicates that the failure to comply with appropriate safety measures causes death or serious physical injury.	RISK LEVEL
WARNING	The symbol indicates that the failure to observe the corresponding safety measures can cause death or serious personal injury.	
CAUTION	The symbol indicates that failure to observe the relevant safety measures can cause minor or moderate personal injury or damage to the device.	
NOTICE	It is not a symbol of security. It indicates that the failure to comply with relevant safety measures can result in property damage.	
INFORMATION	It is not a symbol of security. It indicates important information.	

If there are multiple levels of risk, the danger warning always indicates the highest one. If a warning is drawn with a triangle to warn of the risk of injury to persons, the risk of possible property damage may also be caused at the same time.

NOTE: During installation / maintenance of the platform, the safety functions are temporarily suspended. Therefore all necessary precautions must be taken to avoid personal injury and / or damage to the product.



MANUAL READING GUIDE

WARNING SIGN

	GENERAL DANGER		ELECTRICITY DANGER		DANGER FLAMMABLE MATERIAL
	DANGER OF FALL BY A LEVEL		DANGER SUSPENDED LOADS		DANGER CORROSIVE SUBSTANCES

PROHIBITION SIGN

	GENERIC PROHIBITION		FORBIDDEN TO STEP ON		PROHIBITED TO WALK ON OR STOP IN THIS AREA
--	---------------------	--	----------------------	--	--

MANDATORY SIGN

	OBLIGATORY TO WEAR THE PROTECTION HELMET		OBLIGATORY TO WEAR SAFETY SHOES		OBLIGATORY WEAR THE PROTECTIVE GLOVES
	OBLIGATORY TO WEAR EYE PROTECTION		OBLIGATION TO WEAR THE AUDIO PROTECTION		OBLIGATORY TO WEAR THE MASK
	OBLIGATORY TO WEAR PROTECTIVE CLOTHES		OBLIGATORY TO KEEP CLOSED		OBLIGATORY TO CHECK THE PROTECTIONS

EMERGENCY AND FIRST AID SIGNS

INDICATION SYMBOLS

	FIRST AID		NOTA BENE		KEEP DRY		OBLIGATORY TO CHECK THE PROTECTIONS
--	-----------	--	-----------	--	----------	--	-------------------------------------



LIABILITY AND WARRANTY CONDITIONS:

RESPONSIBILITY OF THE INSTALLER

The elevator / platform is produced and intended to be installed as described in the attached project drawing and in this manual; any divergence from the prescribed procedure may affect the operation and safety of the system and cause the immediate cancellation of the warranty.

Any modification or variation made to the project and the assembly Instructions must be documented in detail and referred to LIFTING ITALIA S.r.l., in order to allow the company an adequate assessment. Under no circumstances can a modified system be activated without the express authorization of LIFTING ITALIA S.r.l.

Installers are responsible for ensuring compliance with safety procedures at work and any health and safety regulations in force in the country and on the site where the assembly is carried out.

The elevator / platform must only be used in the way envisaged by the system and illustrated in the relative manuals (transportation of people and / or things, maximum loads, cycles of use, etc.). LIFTING ITALIA S.r.l. assumes no responsibility for damage to persons and property caused by improper use of the system.

NOTE: Pictures and images on this manual are for illustration purposes only.



1. INSTALLATION SITE MANAGEMENT



1.1. GENERAL DISPOSITIONS

IMPORTANT!

 For more information on safety, liability and warranty conditions, receipt and storage of material on site, packaging, waste disposal, cleaning and storage of the product; refer to the "**SAFETY INSTRUCTIONS AND SITE MANAGEMENT**" manual.

NOTICE

PRELIMINARY CHECKS: Once the packaging has been opened, check that the product is intact and has not been damaged during transport. Should any anomalies or damage be found, please dispatch them in writing on the transport document to the transport company, giving written notice to LIFTINGITALIA S.r.l.

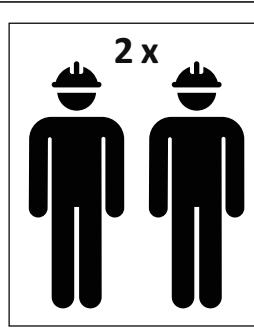
NOTE: In this manual, we will talk about "SHAFT" meaning for it the base slab, the slab of landing and the vertical wall that connects its slabs.

CAUTION

SAFETY AND SITE MANAGEMENT - OVERALL DISPOSITIONS:

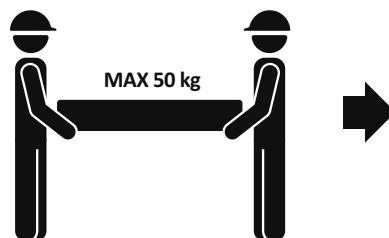
1. Always secure tools and any objects against falling;
2. Pay the utmost attention to all the steps described in this;
3. While assembling the parts making up the system or after installation, be careful of any sharp burrs (machining residues);

- Before proceeding with the installation, it is necessary to remove the rubble and the material deposited during the construction of the shaft.
- Only nuts and bolts included in the supply must be used.
- The bags containing the screws must be opened in correspondence with the respective operating phases indicated in this manual.
- The instructions described in this manual refer to a reinforced shaft, to a fastening with mechanical expansion plugs of the stud type. For the use of plugs in masonry other than the reinforced concrete see the attachment to this manual. For the shafts with metal framework, we proceed by replacing the plugs with normal screws.
- In these instructions and on the wiring diagram, the stops are indicated with 0, 1, 2, 3, meaning "0" the lowest stop: the numbers on the push-button panels may be different according to the user's needs (for example- 1, 0, etc.).



The assembly must be performed by a **MINIMUM 2** people;

If the load is greater than 50kg, use the hoist for handling.



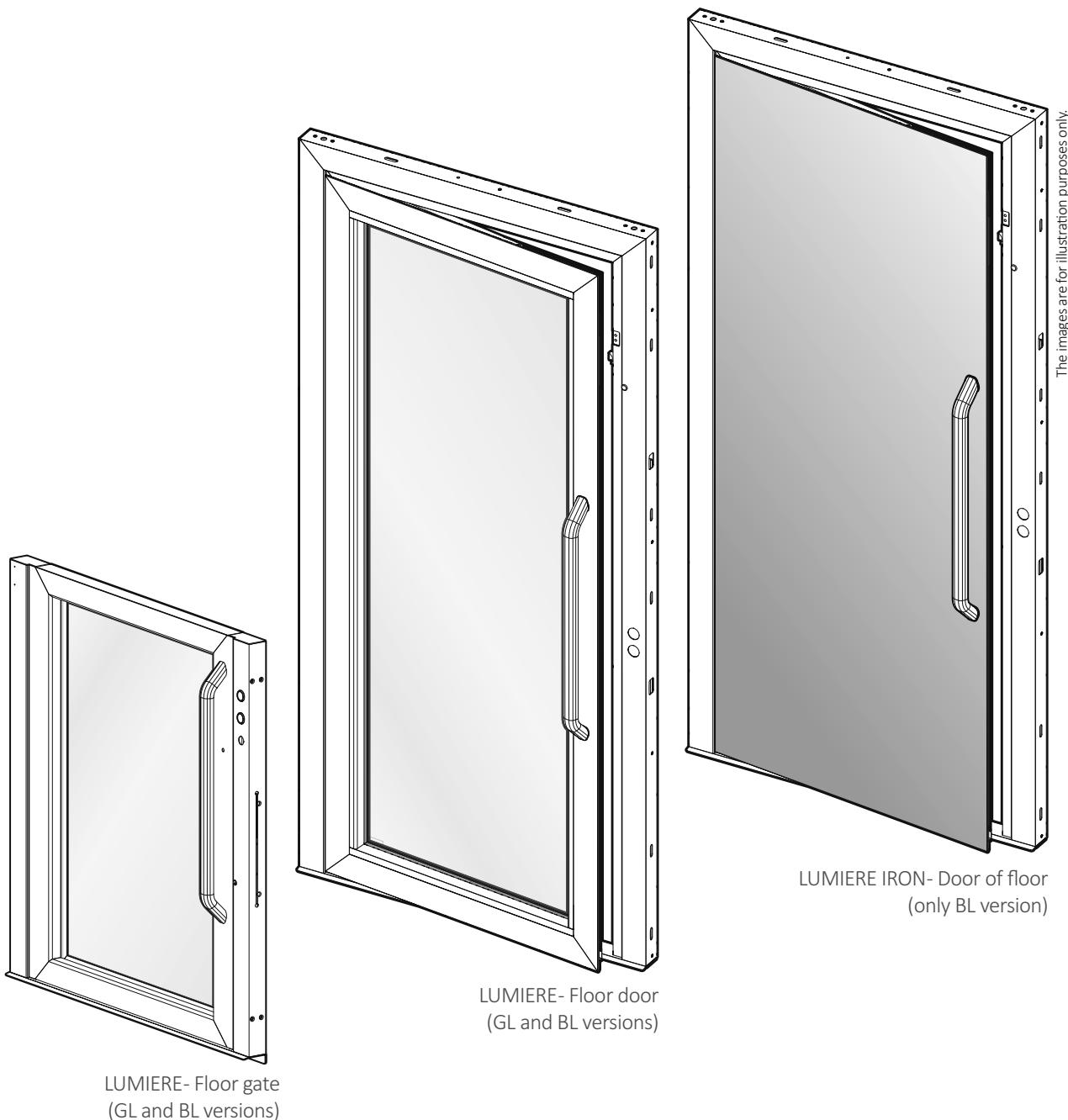
INFORMATION

2. PRODUCT DESCRIPTION

2.1. GENERAL DESCRIPTION AND TERMINOLOGY

General characteristics

- Also for outdoor use
- EN81 Certified Lock
- No Screws in sight
- Rubber Seals on the entire perimeter of the door
- Automatic door closer Device
- recordable (retractable)
- Lateral fixing Brackets
- Stainless Steel Scotch Brite Threshold Cover



LIFTINGITALIA S.r.l. goal is to promote the continuous improvement of its products and consequently their technical specifications may be subject to change without notice or commitment.



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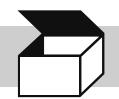
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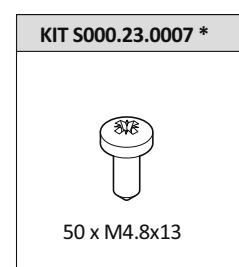
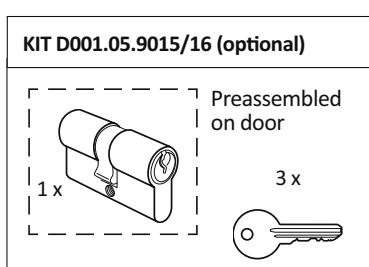
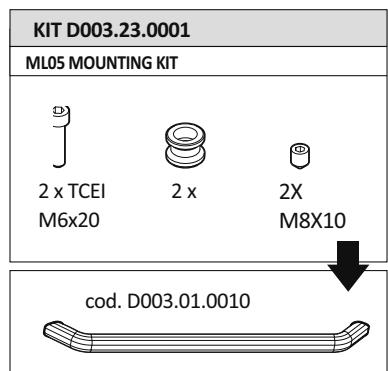
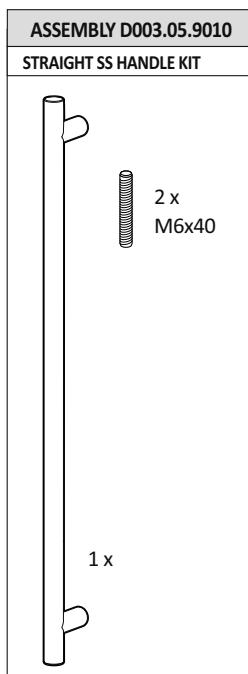
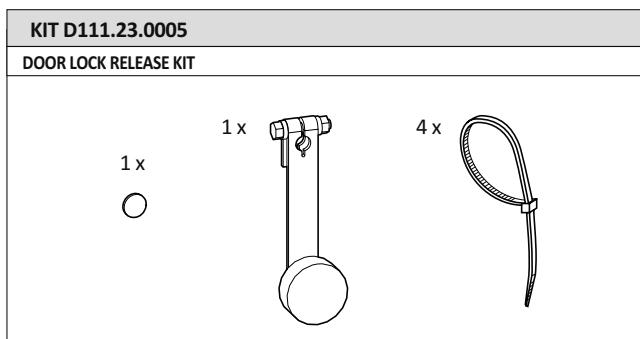
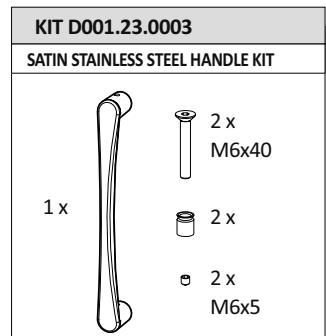
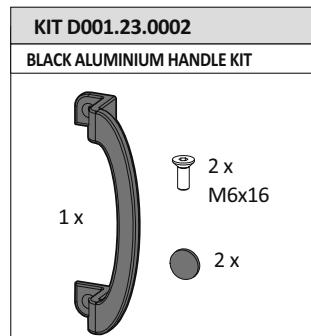
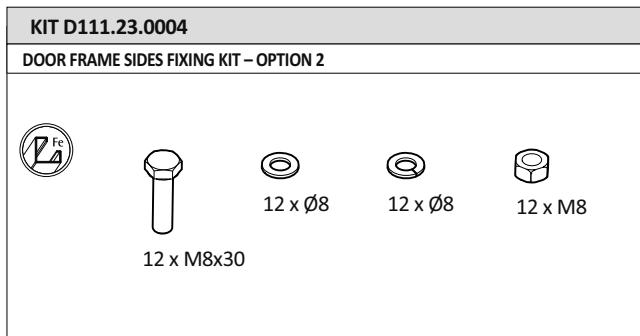
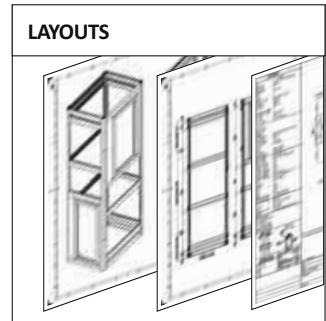
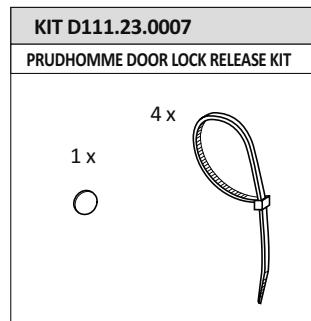
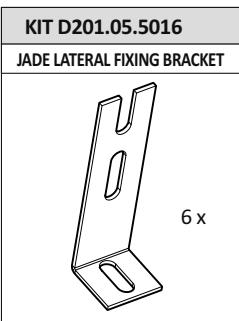
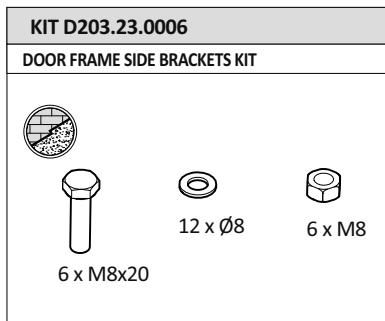
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INFORMATION

3. BOX CONTENT - SCREWS KIT



NOTE: Each "KIT" box with its identification code represents the packaging unit, i.e. how many pieces per type are contained in each package.

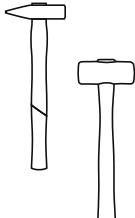
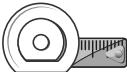
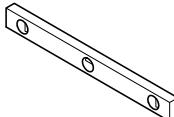
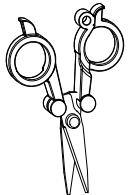
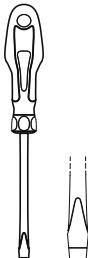
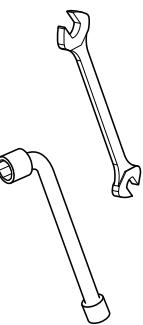
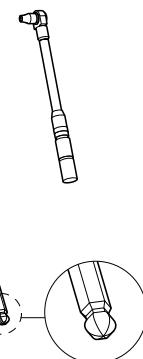
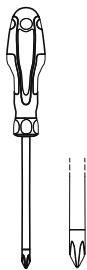
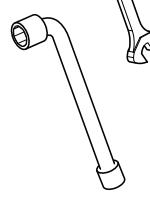
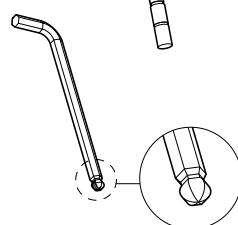
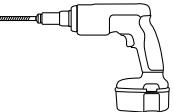
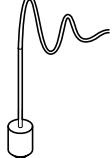
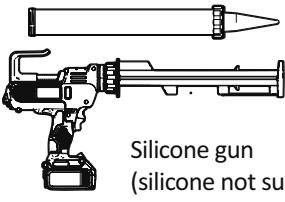


* INSIDE THE SHAFT PACKAGE (as described in this manual)

INFORMATION

4. TOOLS AND MATERIALS REQUIRED FOR INSTALLATION

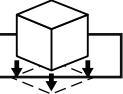


Hammer		Tape measure		Spirit level		Scissors for electricians	
Rubber hammer							
Flat-blade screwdriver		Spanner 8 to 17 mm 2 each size		Ratcheting ring spanner 13 to 17 mm			
Phillips screwdriver		Socket wrench 8 to 17 mm		Allen key with ball end 3 to 6 mm			
Drill 6 to 10 mm		for Brickwork Metal		Hoist 150 kg		Plumb bob	
Silicone gun (silicone not supplied)							



5. PRELIMINARY OPERATIONS

5.1. POSITIONING OF MATERIAL ON SITE



NOTICE

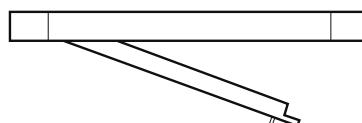
MATERIAL POSITIONING:

It is important to position the material correctly on the installation site as once the scaffold has been assembled it may become difficult to handle certain components, with the risk of injury and damage to the materials.

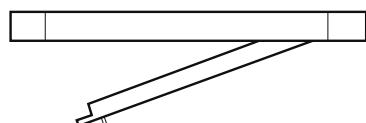
- **DOORS**

Each door must be positioned near where it is to be installed then each to its reference plane.

LEFT handed

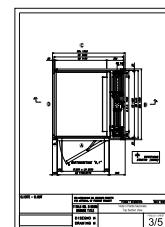


RIGHT handed



INFORMATION

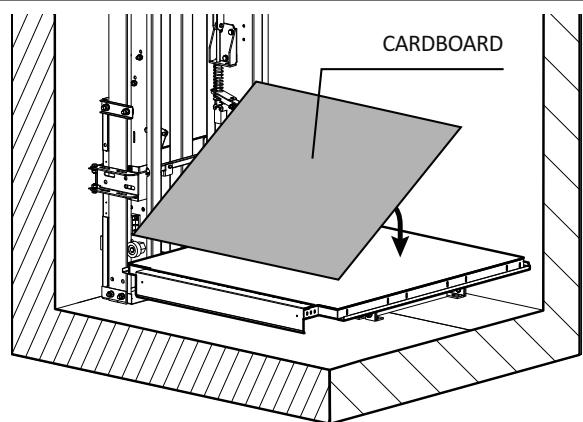
Refer to the installation Layout Drawings for the correct positioning of doors in relation to the shaft dimensions, and to determine the correct handing of doors.



INFORMATION



Protect the car floor during installation.

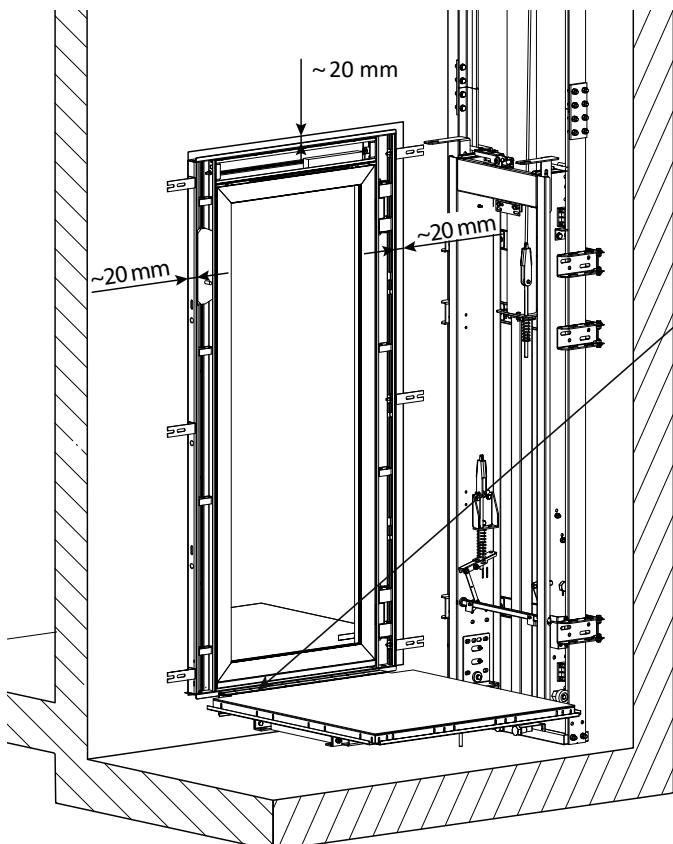




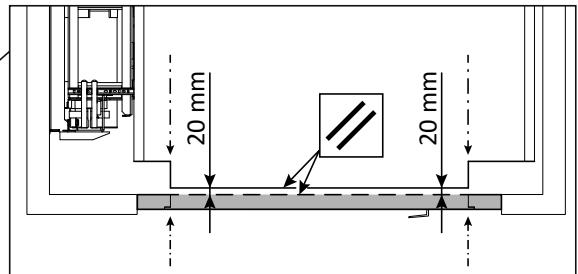
6. INSTALLATION



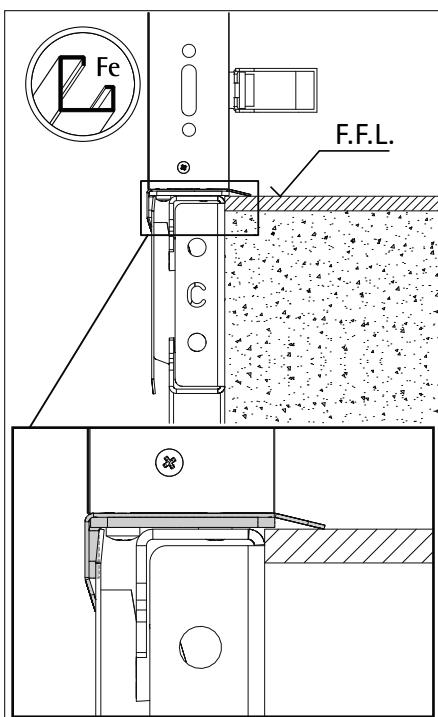
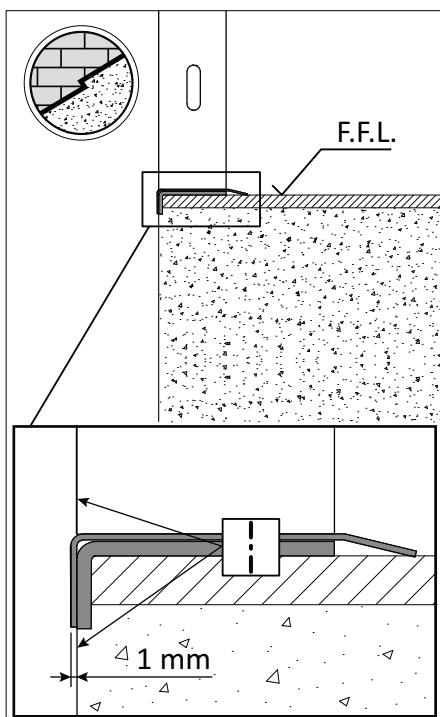
6.1. POSITIONING



- Align all landing doors with car floor.



- Position the door sill in relation to the shaftway vertical and to the finished floor level as shown.





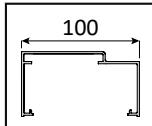
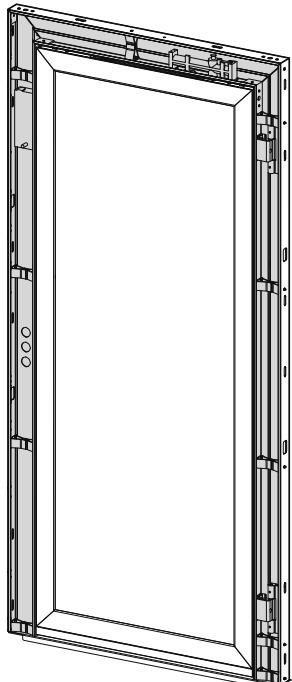
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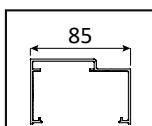
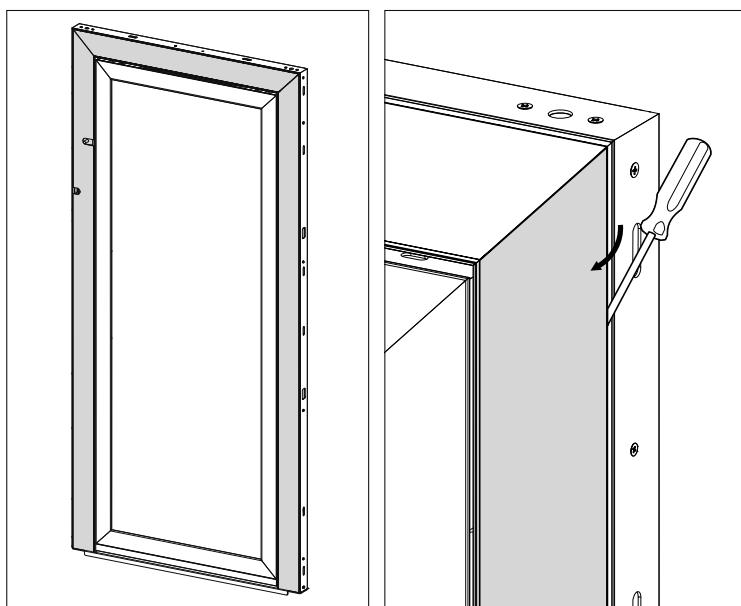
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6.2. INSTALLATION/ FIXING



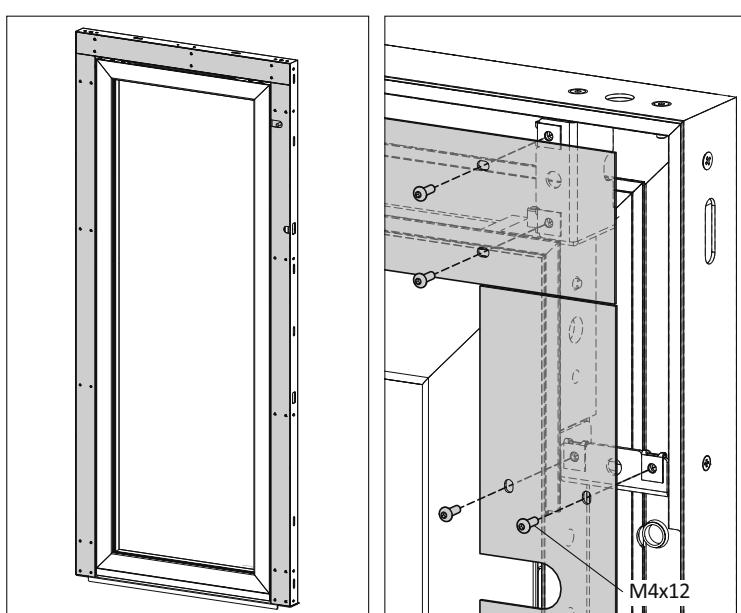
JAMBS L 100

Use a screwdriver as a lever.

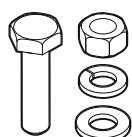


JAMBS L 85

Unscrew the screws.



INFORMATION



Put the screws to one side
as they will be used later
for reassembly.

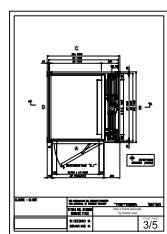
LUMIERE - INSTALLATION on WALL SHAFT



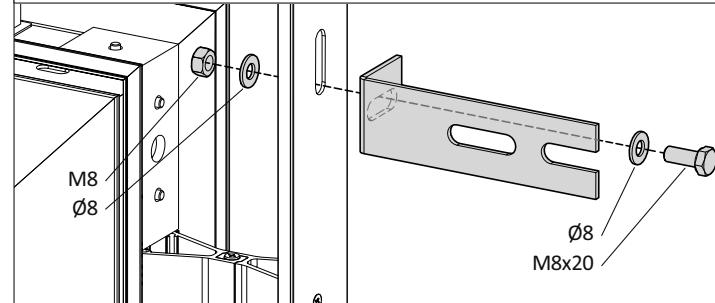
Temporarily fix the brackets to the door;

INFORMATION

Consult the project drawings for a correct installation.

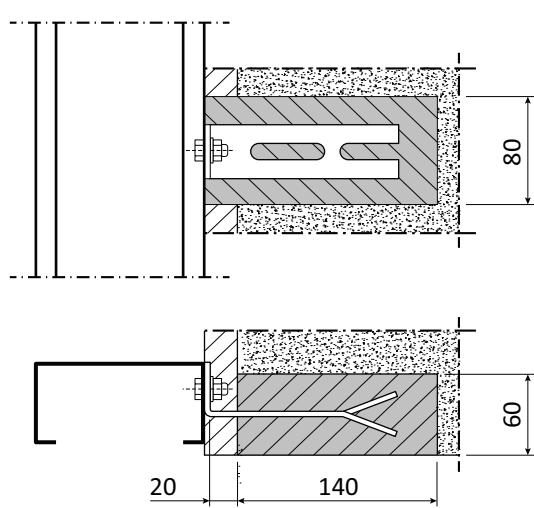
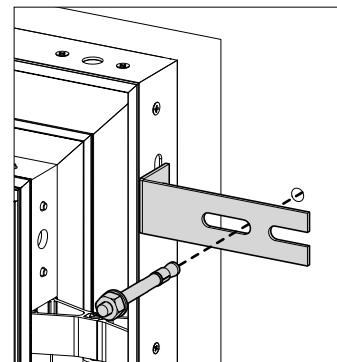
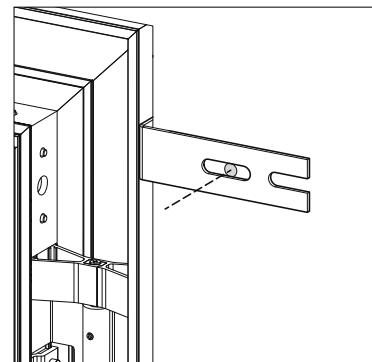
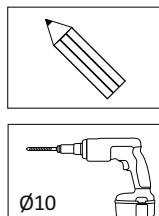


KIT D203.23.0006

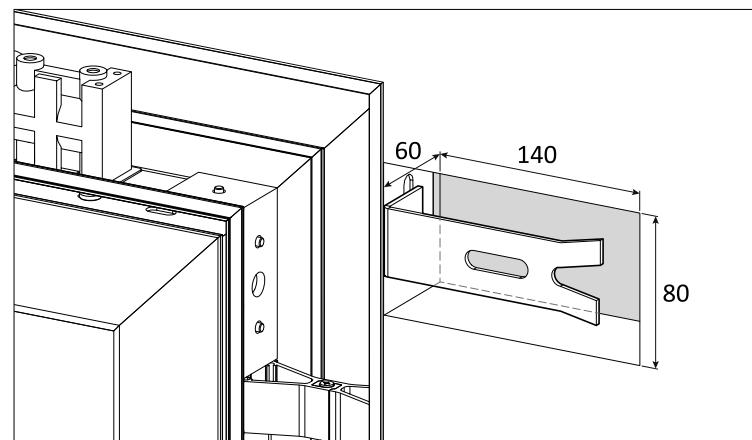


CASE 1 - ANCHORING OF SIDE WALL BRACKETS

Mark the position on the wall according to the quotas shown on the project drawing, then drill;
Fix the door by means of bolts;
Secure the screws.



CASE 2 - WALLING IN OF SIDE WALL BRACKETS





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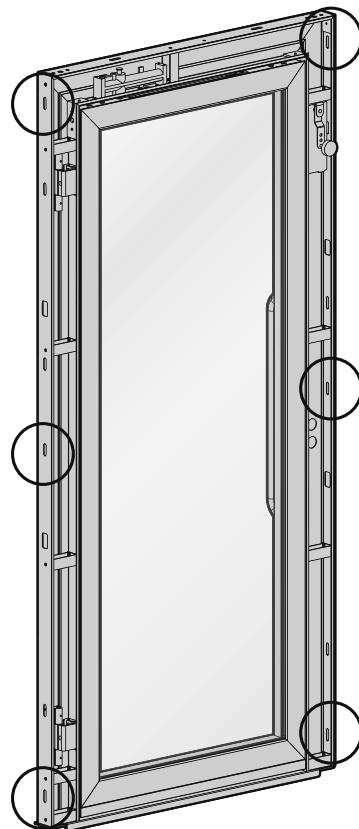
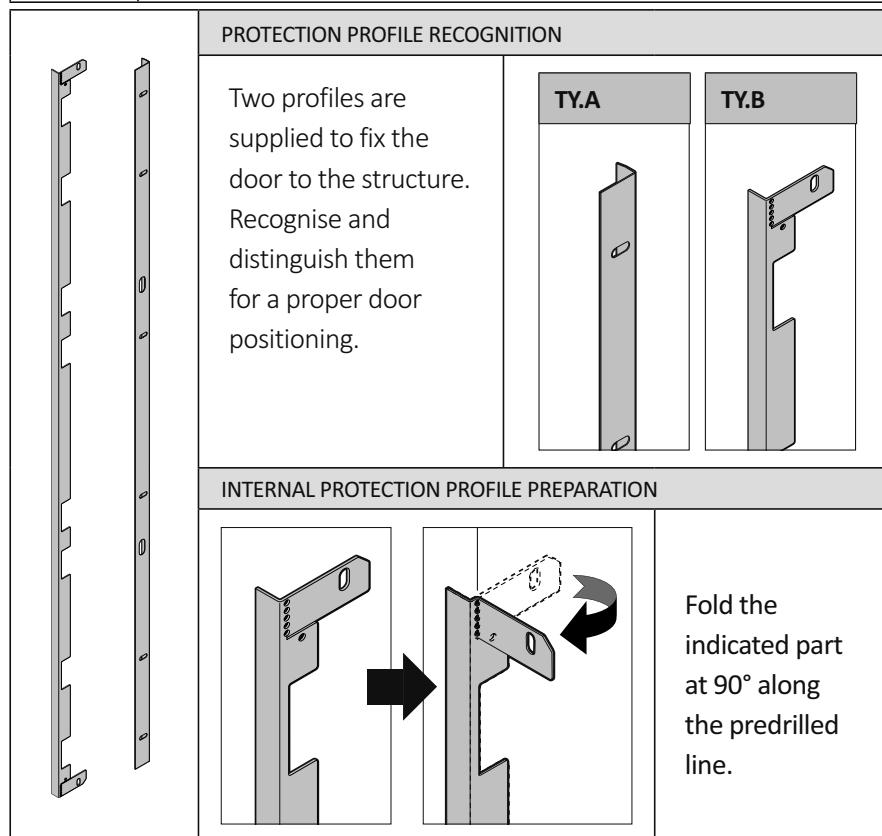
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LUMIERE DOOR GL/BL - INSTALLATION on STEEL STRUCTURE (CROSS 50.2)

INFORMATION

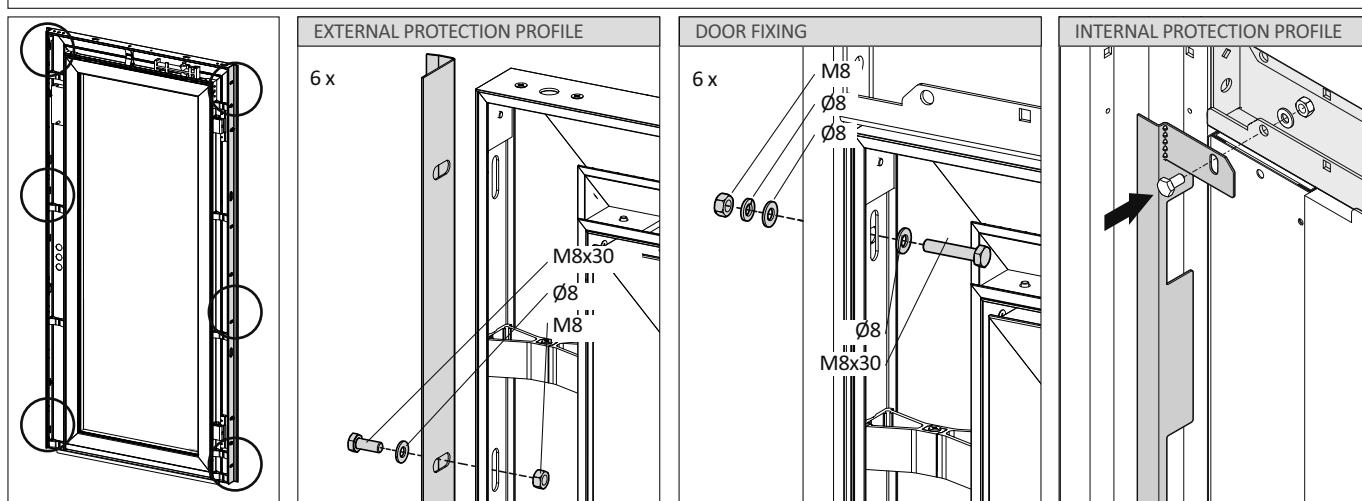


- Door installation can proceed only once the steel cladding to the sides of the door frame has been installed.
- At this stage the door frame should be fully assembled; if otherwise go back to the relevant section of this manual.



- Fix the protection profile to the door;
- Fixing the door to a STEEL STRUCTURE (only side fixings required).
- Install the internal protection profile (internal joint cover), anchoring it to the crosspieces above and below the door;

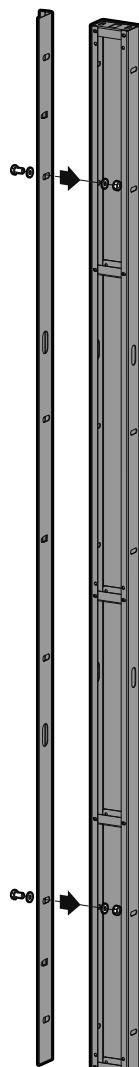
KIT D111.23.0004



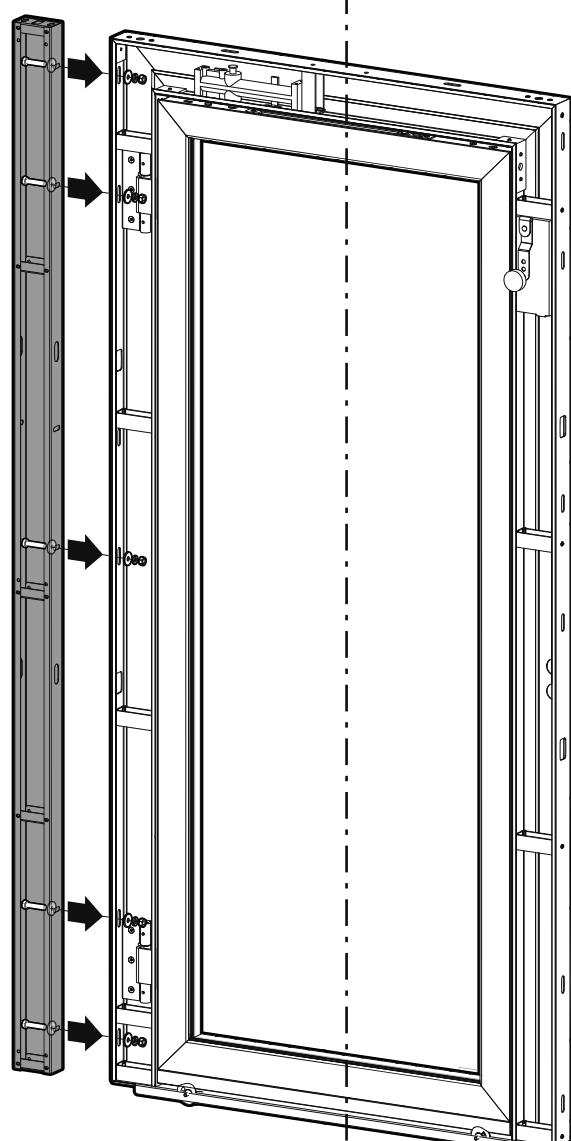
DOOR FIXING on INFILL PANELS

- Fix the infill panels on the door (as per project) or, alternatively, preassemble the infill panels directly to the column of the structure before installing the door. Use the buttonholes best reachable depending on the type of door (3 each side).
- Insert the door in its seat and fix it according to the reference manual.

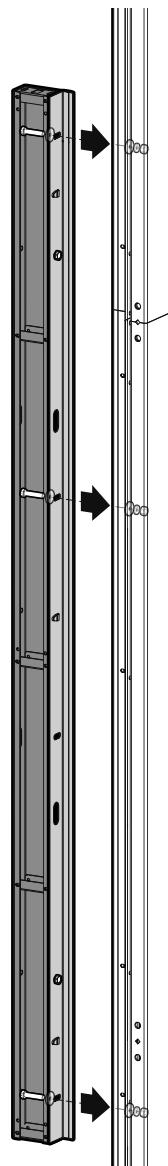
COVER PROFILE FIXING on the INFILL PANELS



INFILL PANELS FIXING on the DOOR



INFILL PANELS FIXING on the COLUMN



INFORMATION

The kit for fixing the door to the infill panels is supplied with the structure.

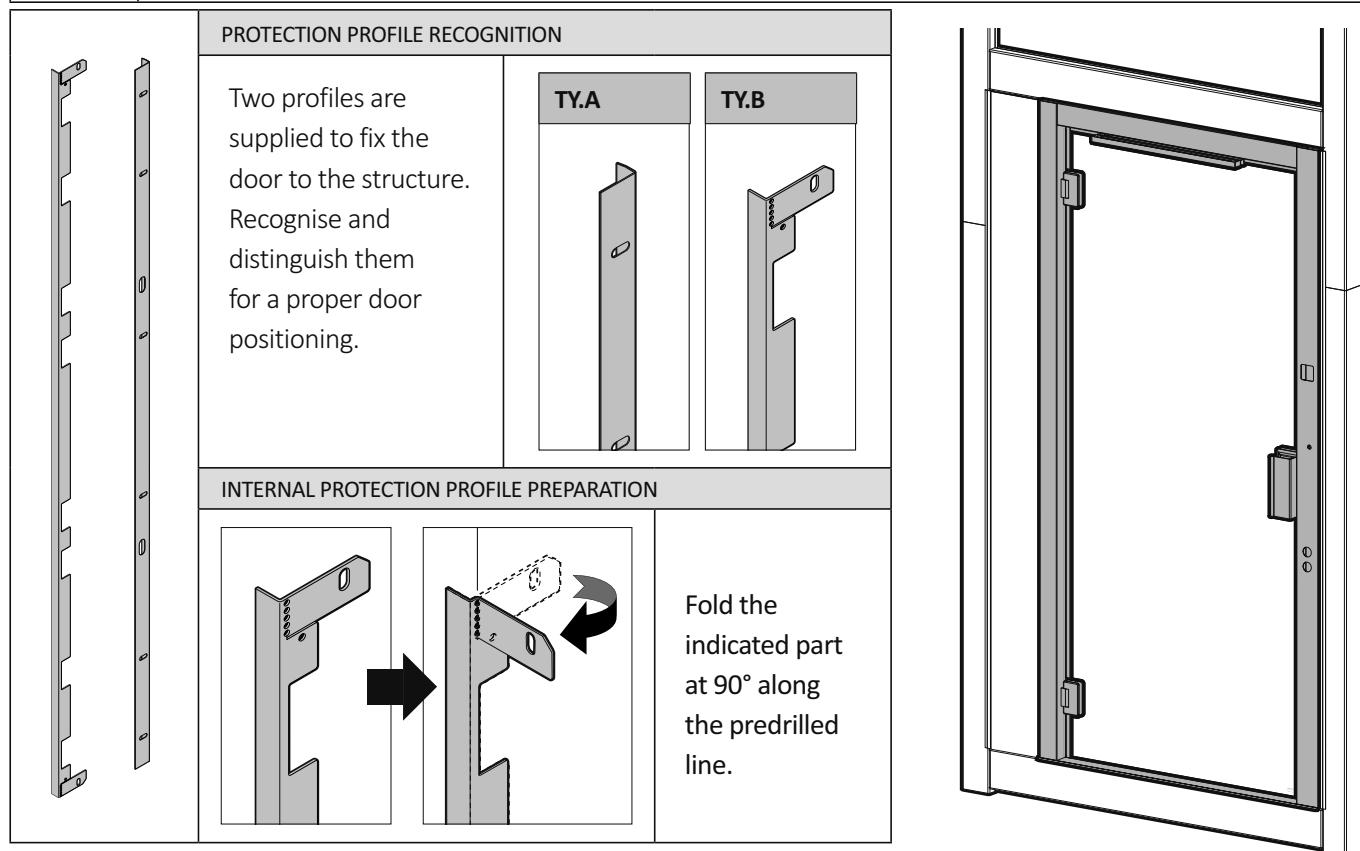


LUMIERE DOOR FGL - INSTALLATION on STEEL STRUCTURE (CROSS 50.2)

INFORMATION

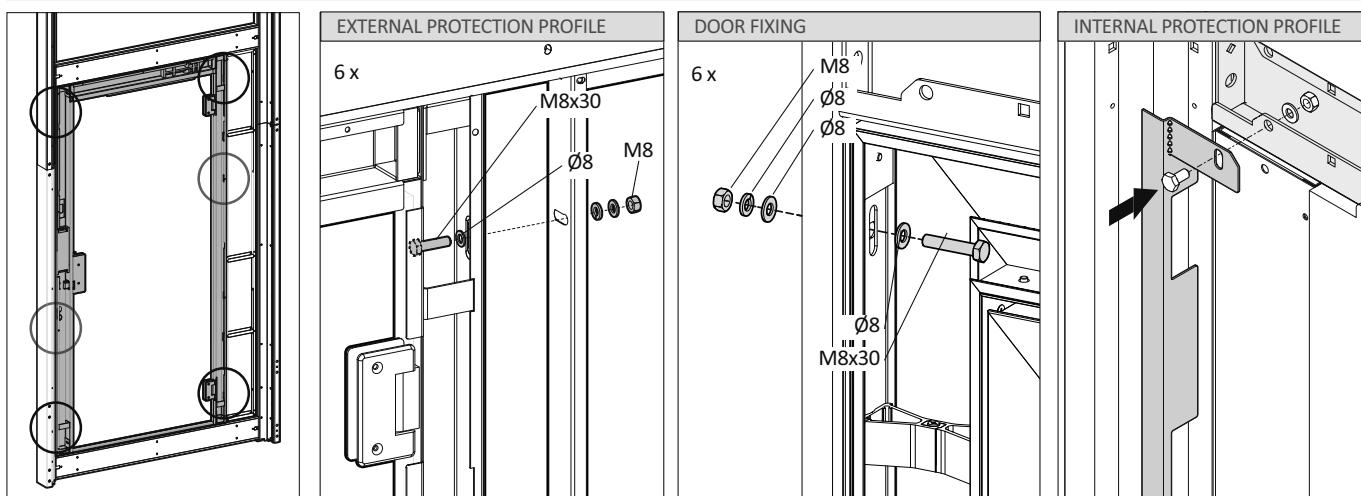


- Door installation can proceed only once the steel cladding to the sides of the door frame has been installed.
- At this stage the door frame should be fully assembled; if otherwise go back to the relevant section of this manual.



- Install the protection profile on the door;
- Fix the door to the steel structure (only laterally), both at the corners and in the center (using the most easily accessible slots).

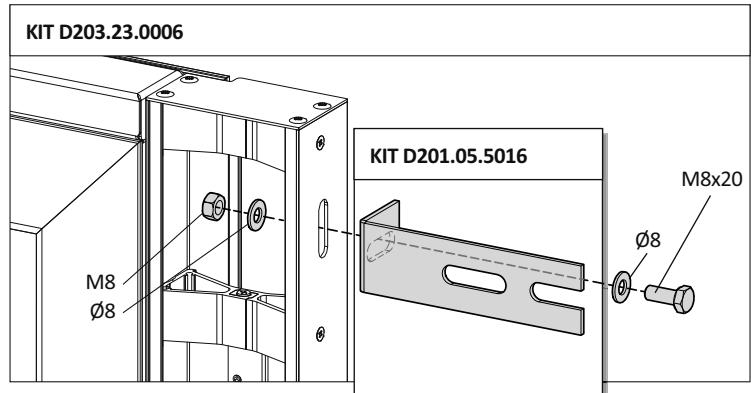
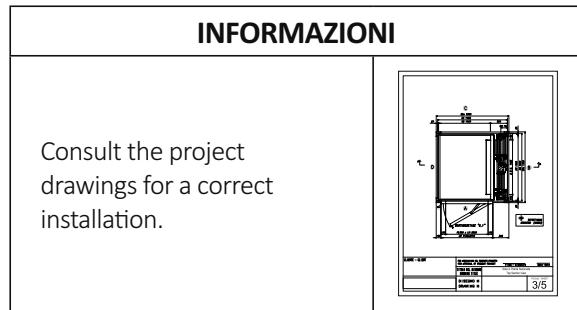
KIT D111.23.0004



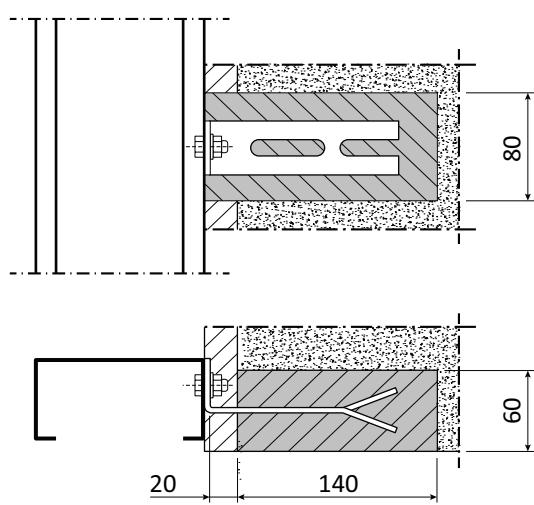
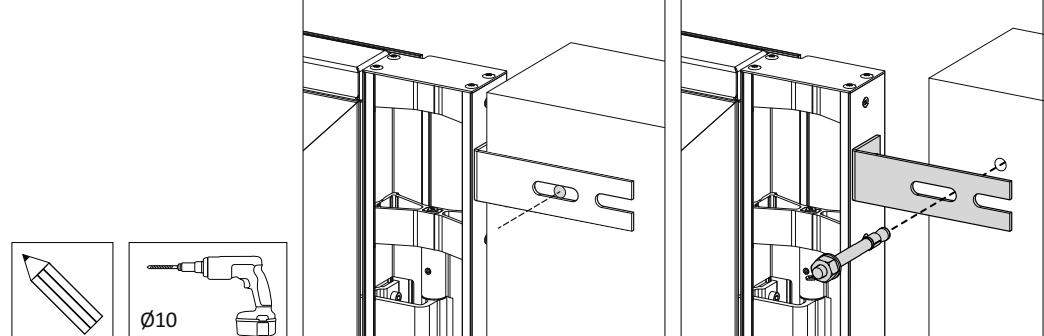
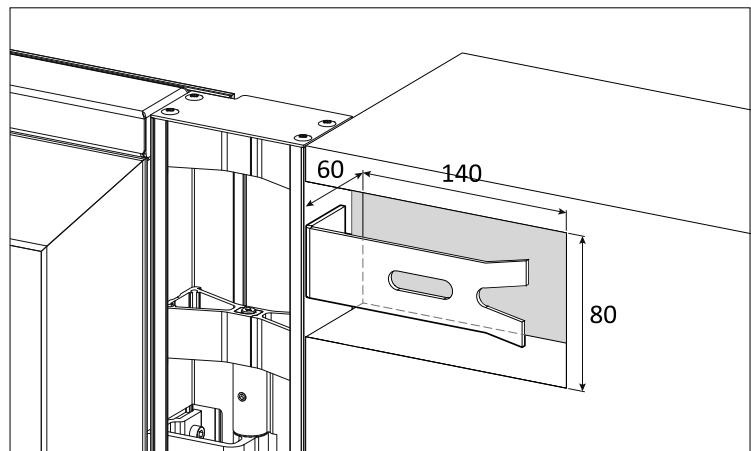
LUMIERE GATE GL/BL - INSTALLATION on WALL SHAFT



- Temporarily fix the brackets to the door;

**CASE 1 - ANCHORING OF SIDE WALL BRACKETS**

- Mark the position on the wall according to the quotas shown on the project drawing, then drill;
- Fix the door by means of bolts;
- Secure the screws.

**CASE 2 - WALLING IN OF SIDE WALL BRACKETS**



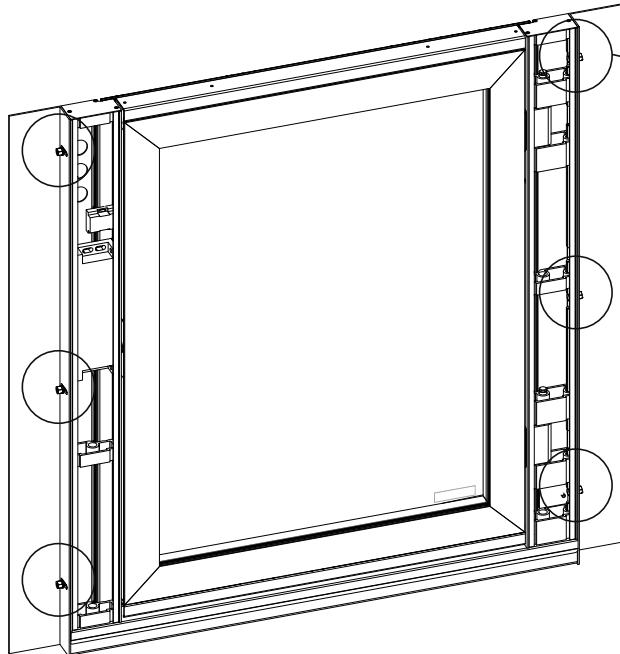
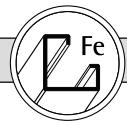
LIFTINGITALIA S.r.l.

Via Caduti del Lavoro, 16 - 43058 Bolognese, Sorbolo (PR) - Italy
Phone +39 0521.695311 - Fax +39 0521.695313

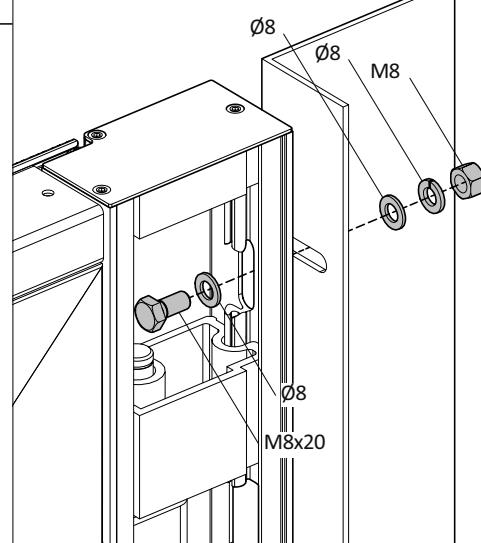


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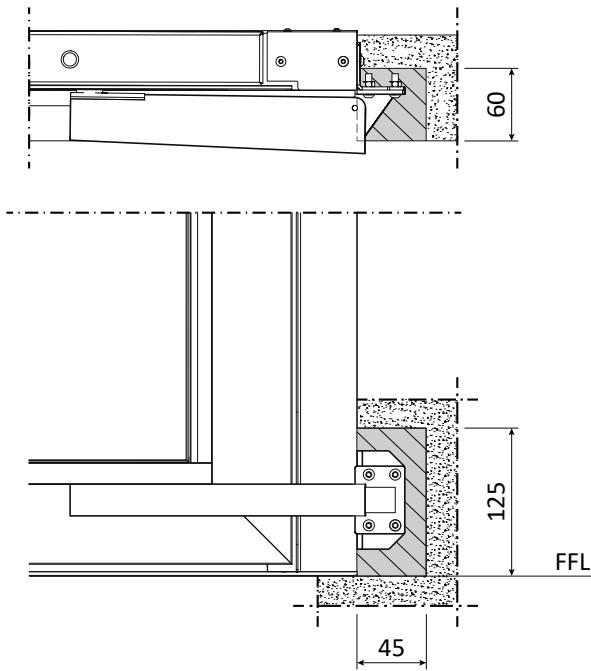
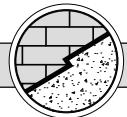
LUMIERE GATE GL/BL - INSTALLATION on STEEL STRUCTURE (CROSS 50.2)



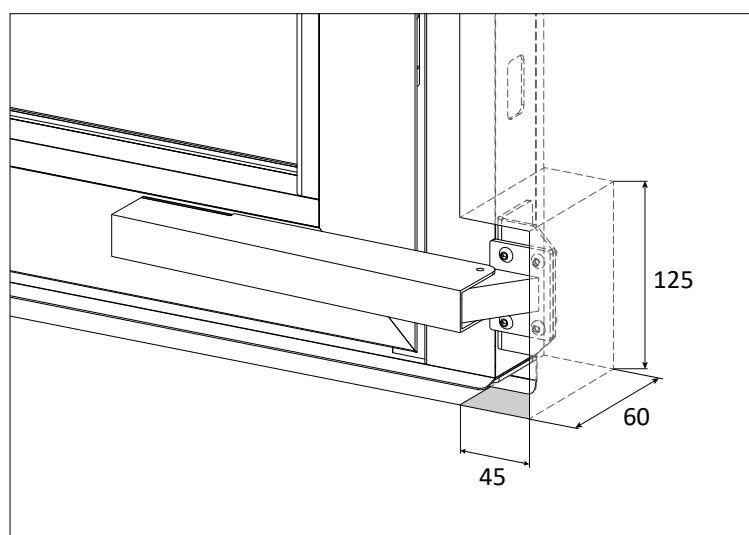
KIT D111.23.0004



INSTALLATION LUMIERE GATE GL/BL on WALL SHAFT with PETTITI MANUAL DOOR-CLOSER



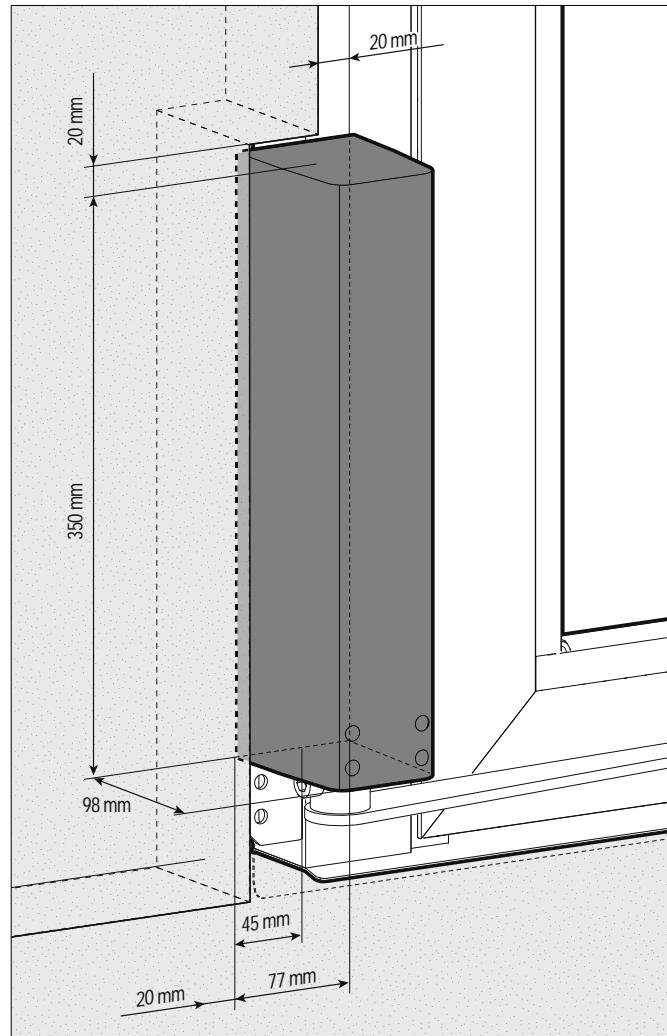
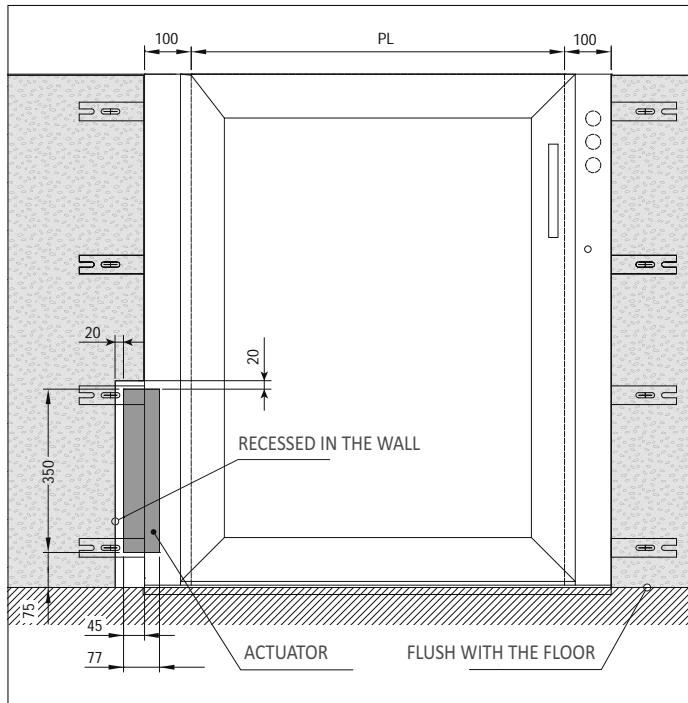
- Make another gap in the masonry compartment, on the side of the floor, for the dimension of the door-closer.



LUMIERE GATE GL/BL with "CAME" AUTOMATIC DOOR OPENER - INSTALLATION on WALL SHAFT



- Make an additional gap in the masonry compartment for the space occupied by the door closer, on the side of the top, leaving a minimum gap of 20 mm between the wall and the door closer / actuator.

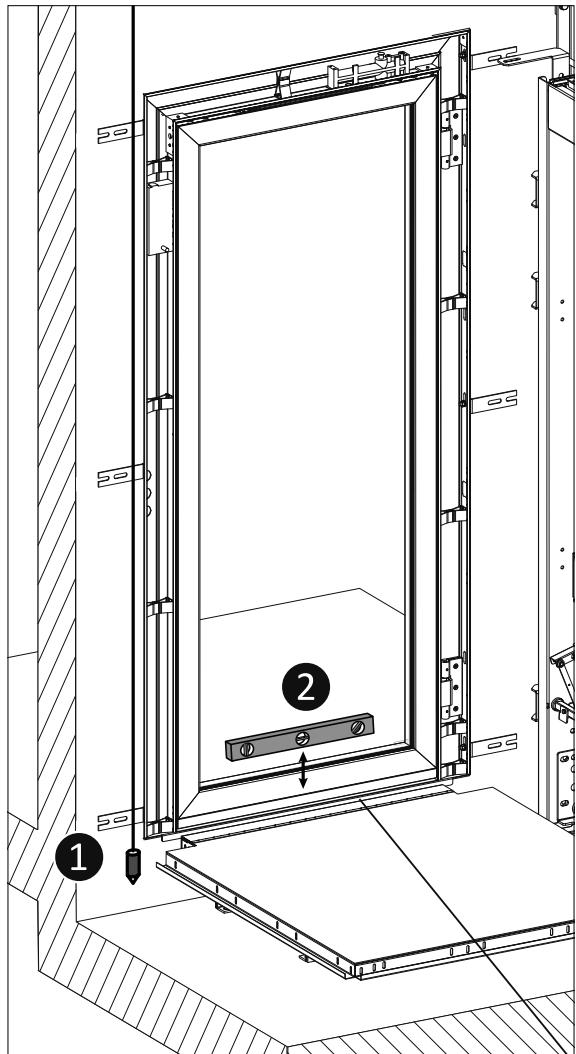




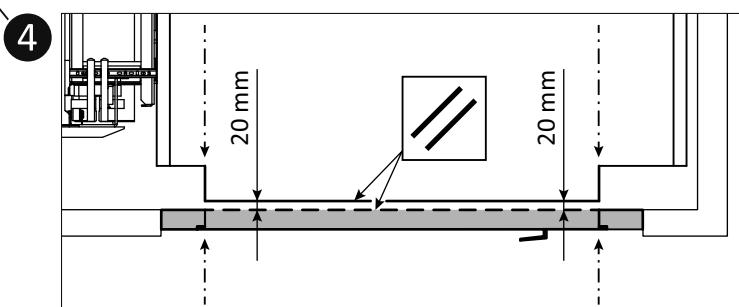
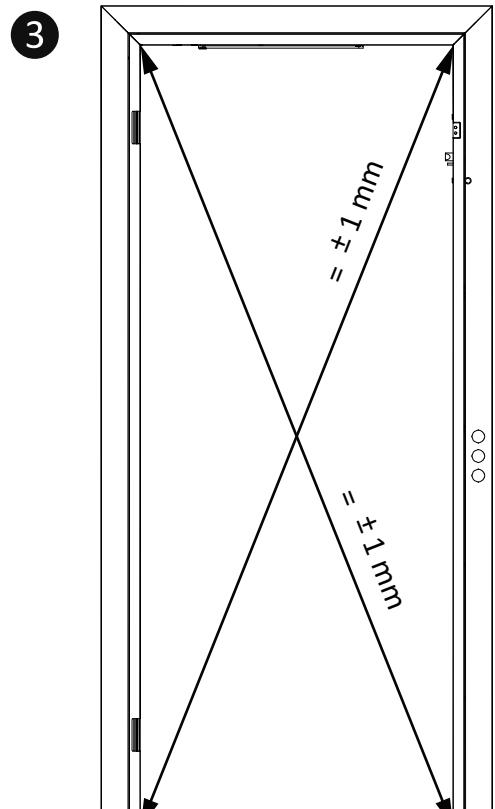
7. CHECKS AND ADJUSTMENTS

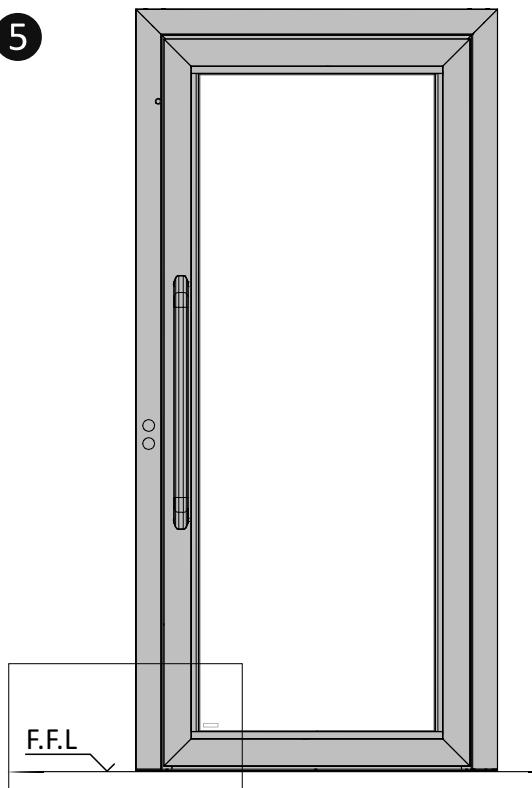


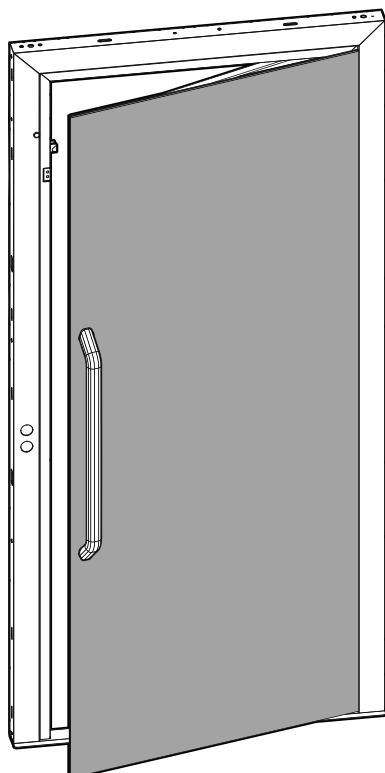
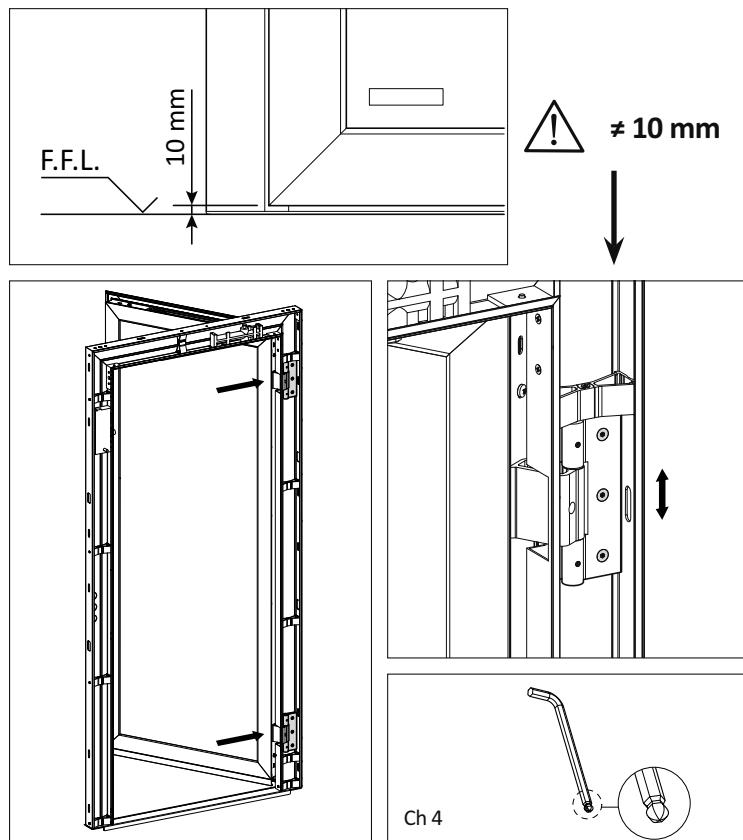
7.1. DIMENSIONAL CHECKS



- 1 Uprights must be plumb;
- 2 Door sill must be level;
- 3 Doorway diagonals verification;
- 4 Door must be aligned with car floor;
- 5 Verification of distance between door leaf and finished floor level, including vertical adjustment of door leaf as required.



7.2. ADJUSTMENTS
5

INFORMAZIONI

 Adjustment for **LUMIERE/IRON** only.


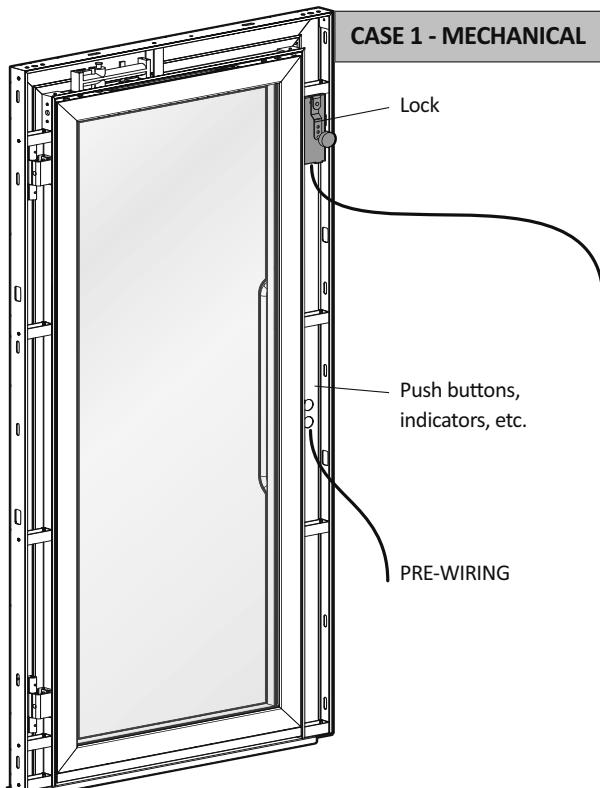


8. WIRING

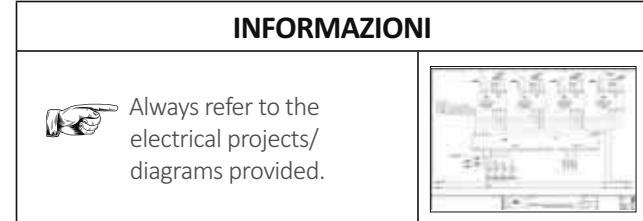


WARNING

ELECTRICITY HAZARD: Before operating on electrical systems, always check that the safety devices are active and wear the PPE (Personal Protective Equipment) required by law.



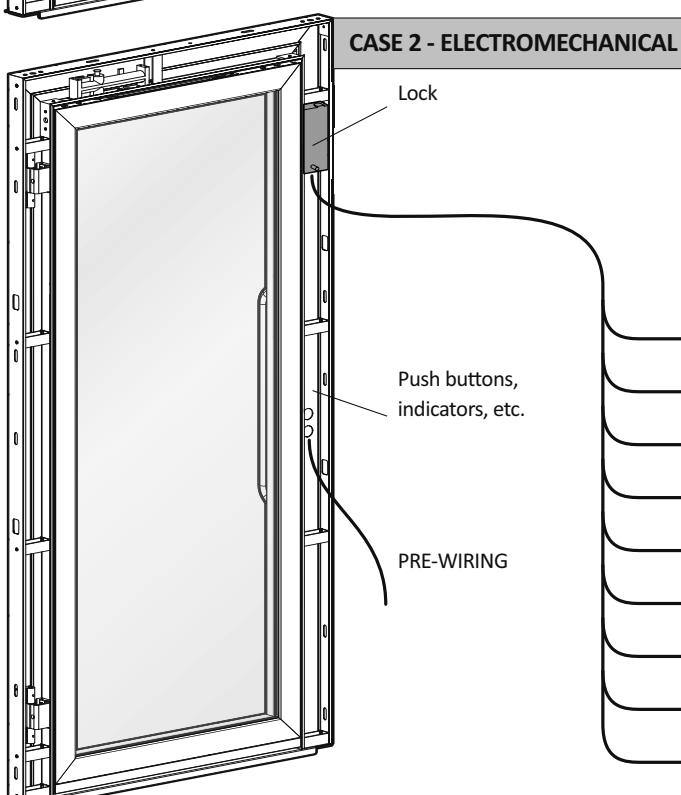
CASE 1 - MECHANICAL



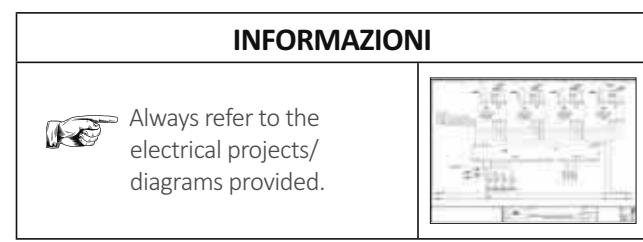
LOCKED DOOR

CLOSED DOOR

HERE



CASE 2 - ELECTROMECHANICAL



LOCKED DOOR

CLOSED DOOR

HERE

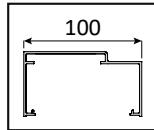
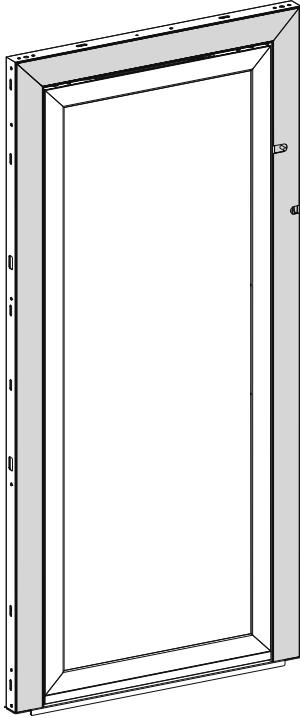
COMMAND
(Electromagnetic Power Supply)



9. FINAL ASSEMBLY



9.1. JAMBS COVER

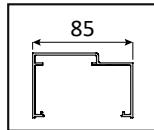
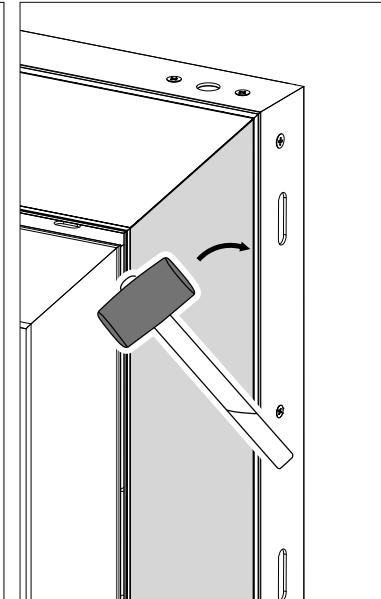
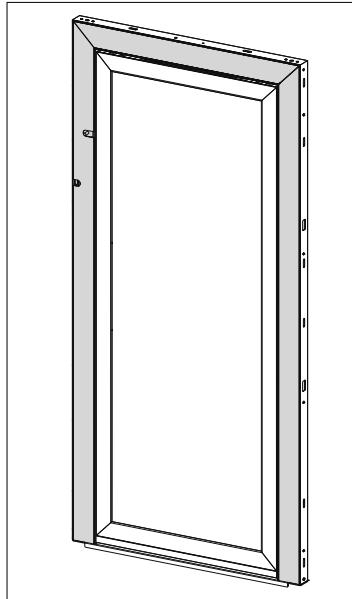


JAMBS L 100

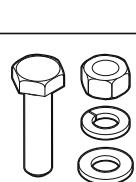


- Reassemble the upright covers.

- Refit the snap-on sleeves using a rubber hammer;

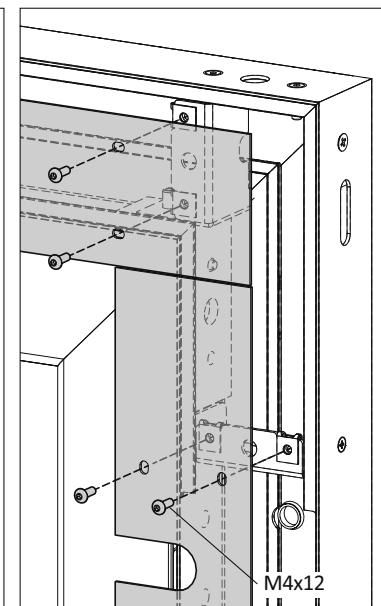
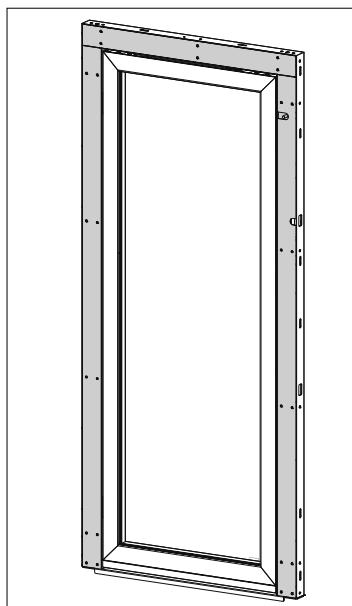


JAMBS L 85



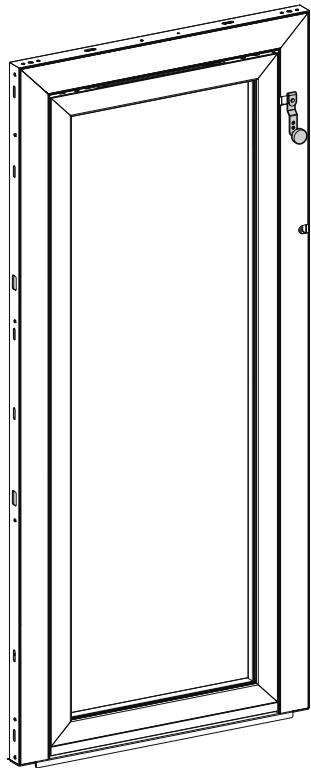
INFORMATION

Screw the sleeves back on using the screws previously put to one side.



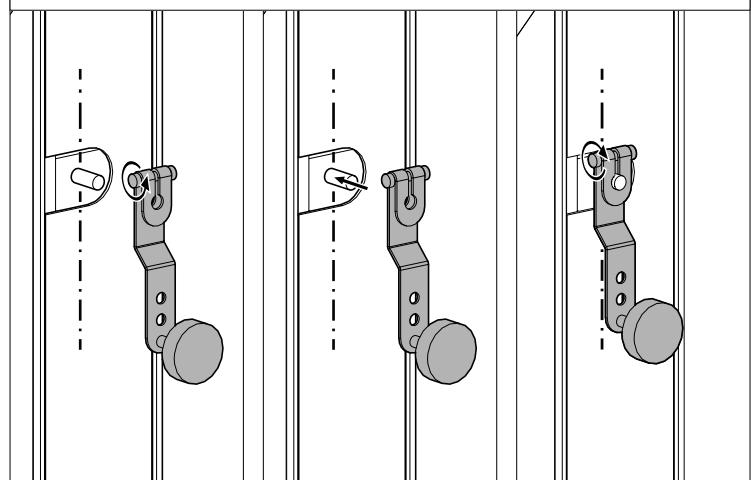


9.2. LOCH LEVER (if any)



- Fit the door release lever as indicated on the project (to be adjusted once the car has been assembled).

KIT D111.23.0005

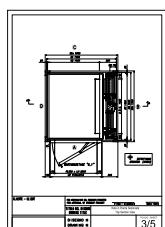


INFORMATION

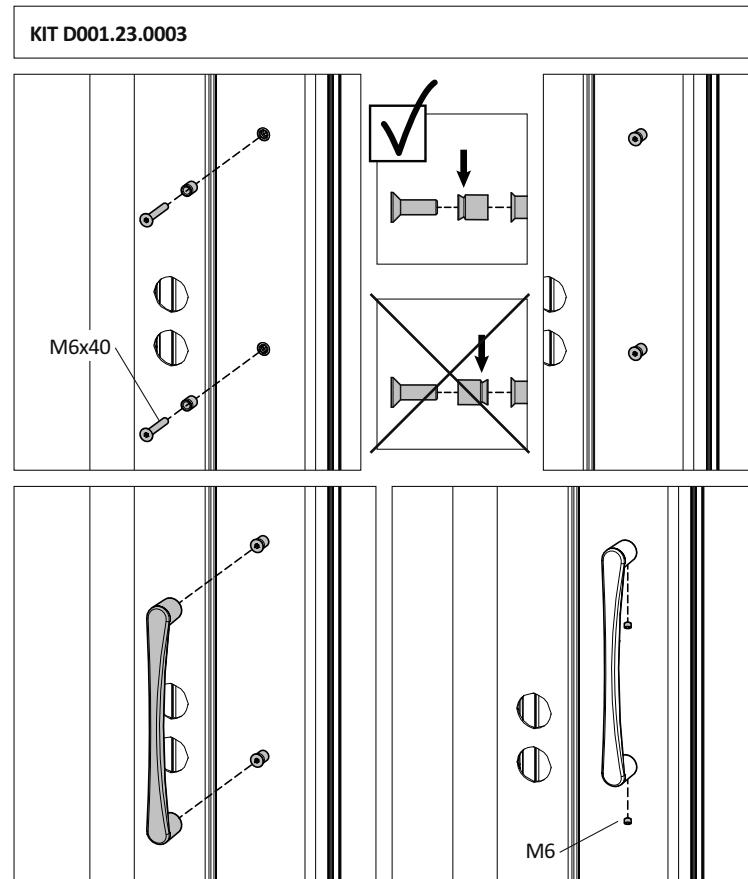
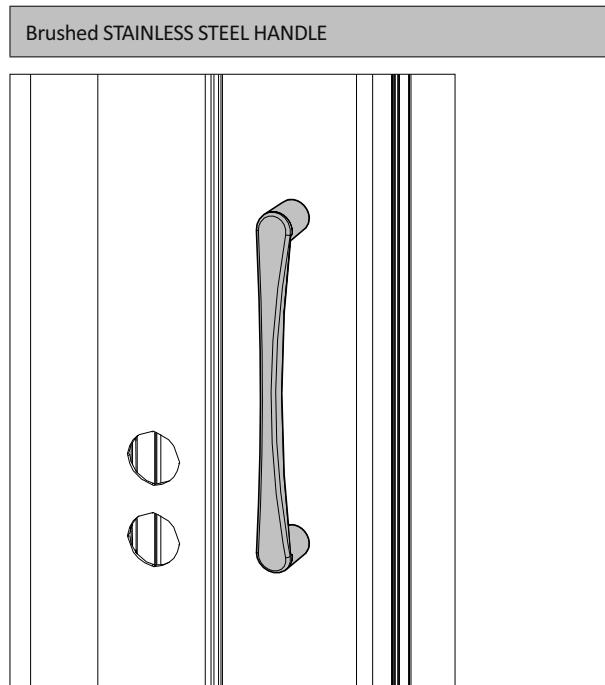
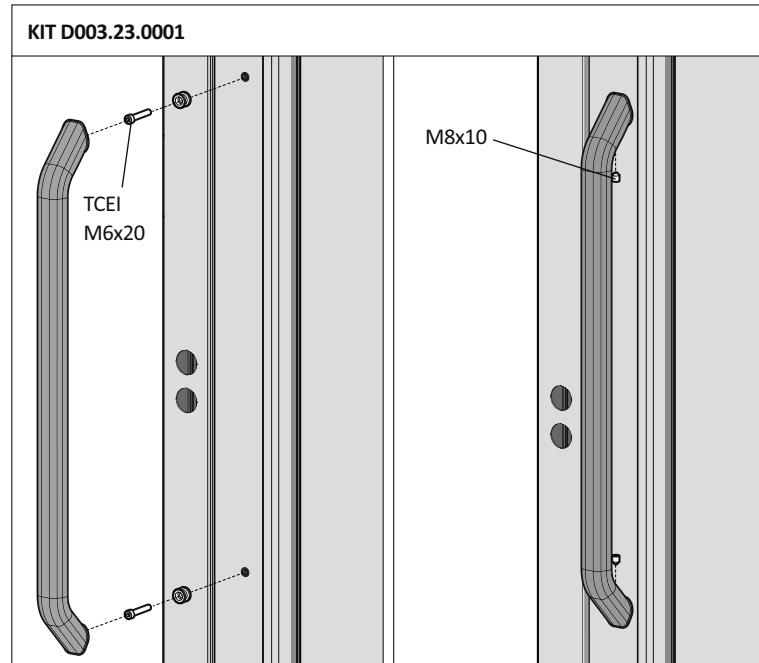
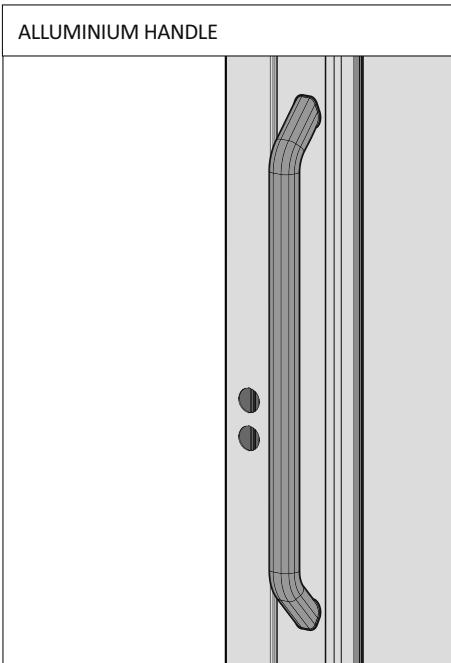
WARNING! The door release lever is absent in the presence of electrical interlock.

INFORMATION

Consult the project drawings for a correct installation.



9.3. HANDLE



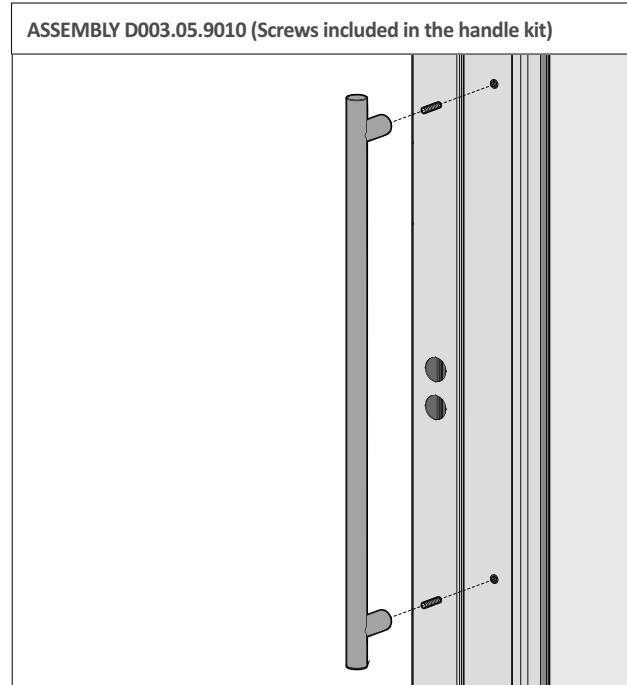
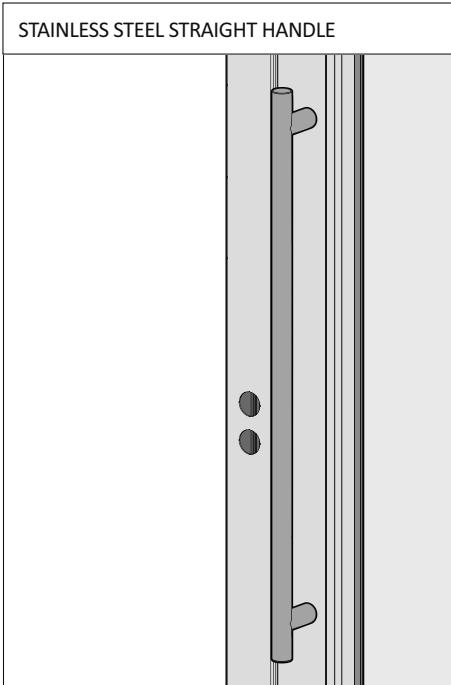


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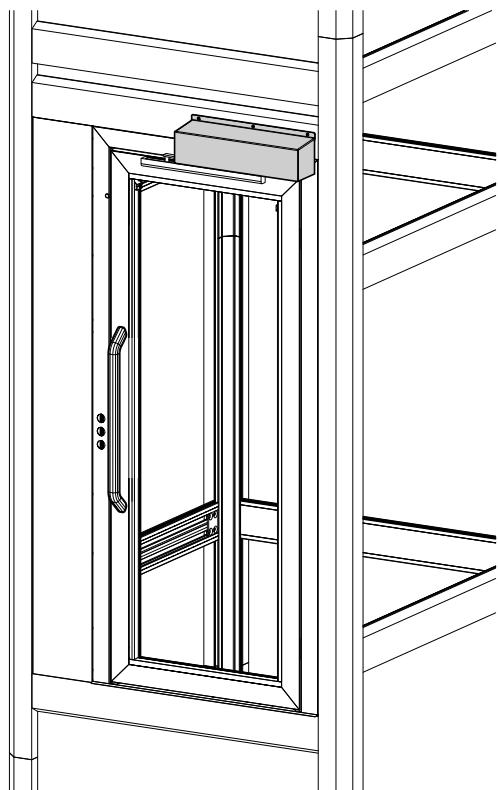
Via Caduti del Lavoro, 16 - 43058 Bogene, Sorbolo (PR) - Italy
Phone +39 0521.695311 - Fax +39 0521.695313



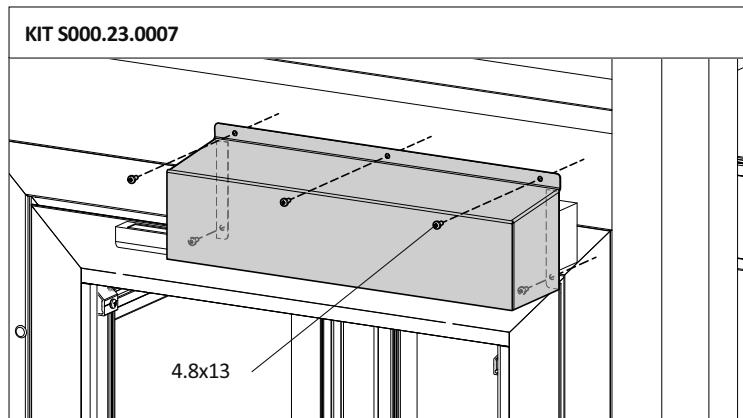
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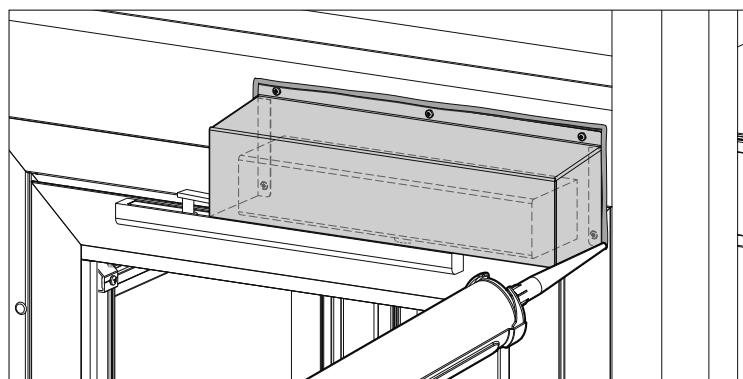
9.4. MECHANISM PROTECTIVE COVER (IF PRESENT)



- Install the cover to protect the mechanism.



- Apply silicone to the upper edge of the protective cover.

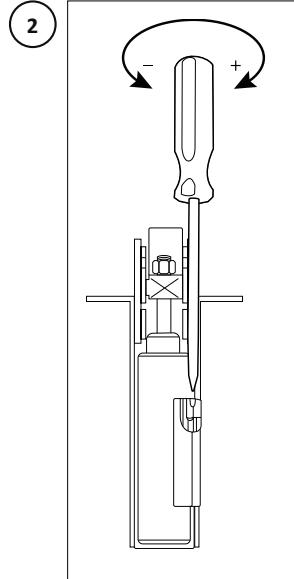
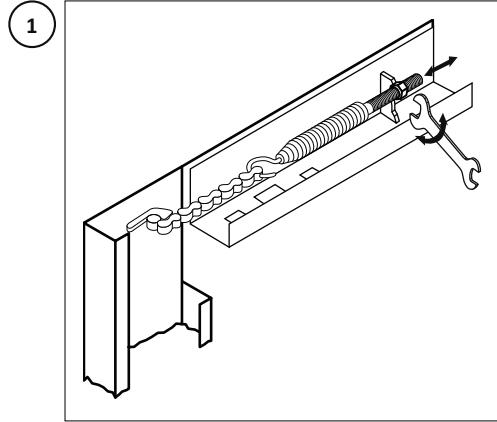
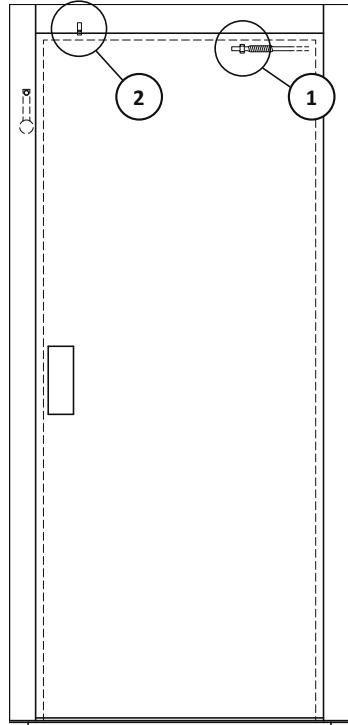




10. FINAL ADJUSTMENTS

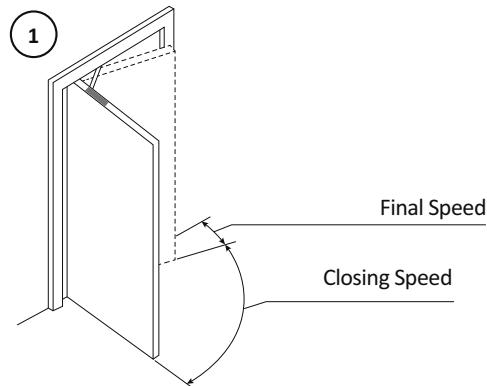
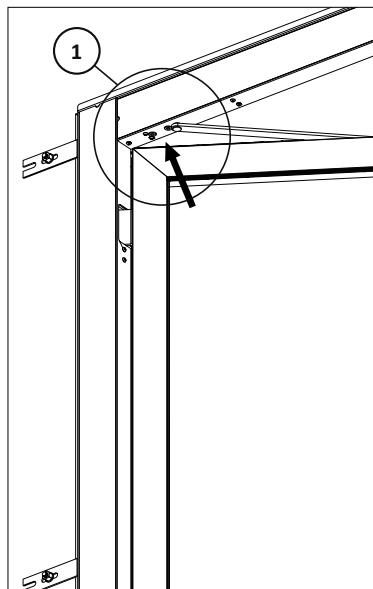


10.1. IRON - MANUAL SPRING DOOR CLOSER

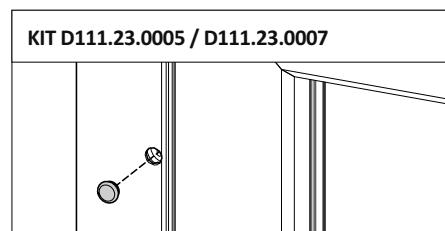
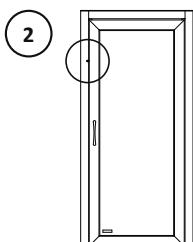
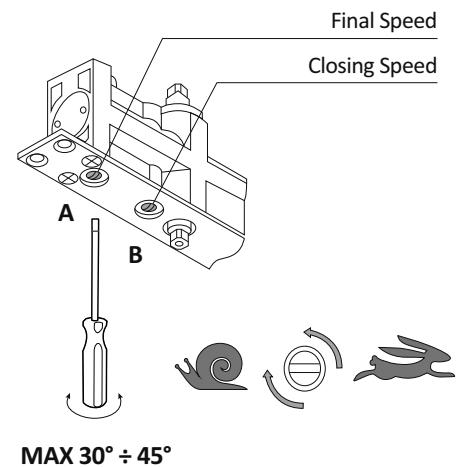


**10.2. LUMIERE - MANUAL DOOR CLOSER****INFORMATION**

ADJUSTING THE CLOSING SPEED AND THE FORCE OF THE FINAL STROKE, which are usually performed using special screws, ARE IMPORTANT, both to adapt perfectly the action of the door-closer to the weight of the door on which it is applied, and to ensure effective operation in all seasons. The viscosity of the internal oil actually changes in relation to the external temperature. **THE ACTION OF THE DOOR-CLOSER IS THEREFORE SUBJECT TO NATURAL SEASONAL VARIATIONS THAT MAY REQUIRE MINOR PERIODIC ADJUSTMENTS**, in order to maintain the effectiveness of the mechanism. The door-closer has 2 different adjustments: the closing speed and the force of the end stroke that is used to overcome the lock latch resistance at the time of closing.

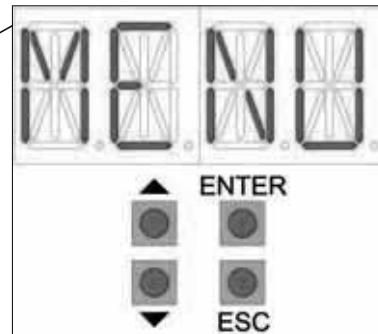
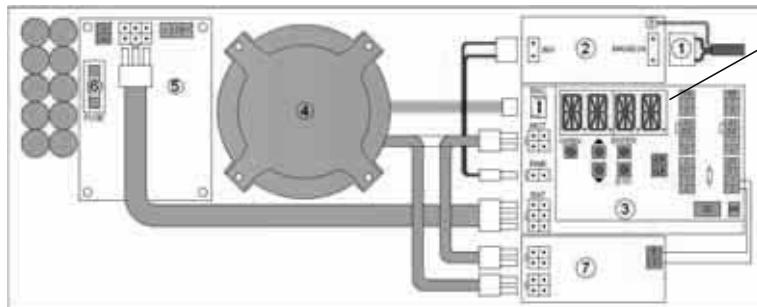


- Adjust the force of the end stroke and then the Acceleration Speed according to the weight of the door by rotating screw A no greater than $30^{\circ}\div45^{\circ}$.
- Adjust and periodically check the Closing Speed by rotating screw B no greater than $30^{\circ}\div45^{\circ}$.



10.3. LUMIERE - AUTOMATIC DOOR CLOSER
INFORMATION

Here below you will find an extract from the door closer manual, for a proper adjustment of common parameters. For further settings, please refer to the supplier's manual.



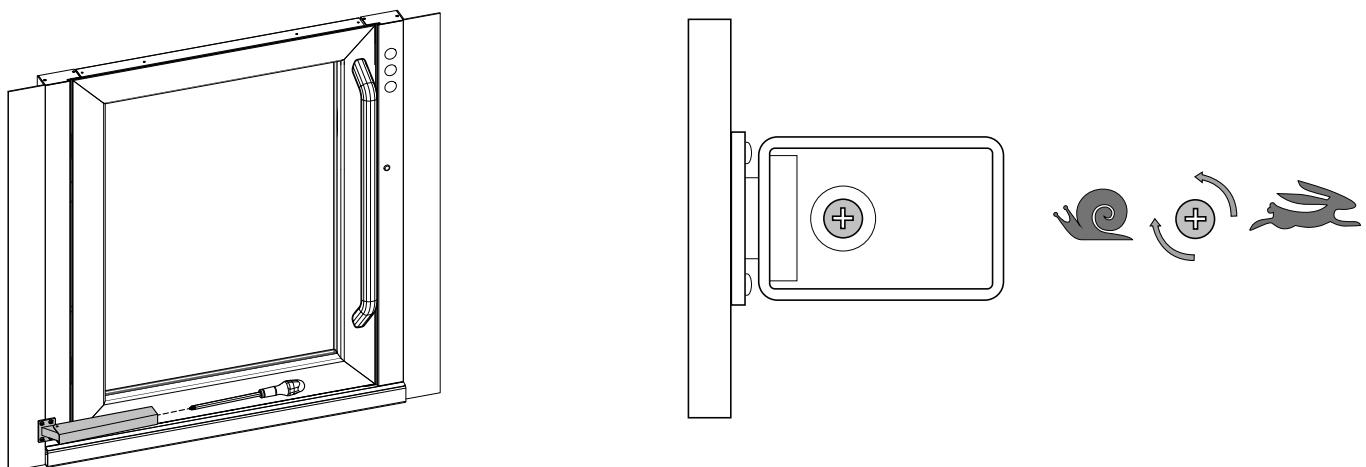
Rif.	Terminals	Description
1	MAINS IN	Power cord for connection to the power grid automation
2	PWR	Switch-mode power supply 36V 65W/75W
3		Electronic controller
4	MOT	Brushless motor
	ENC	Angular sensor
5	BAT	Battery operated power unit
6	FUSE	Battery fuse 5x20 type F10A
7	MOT	Braking scheme (only for automation SW4)

Buttons	Description
ENTER	<u>Select button</u> , to enter the selected parameter. <u>Save button</u> , to "SAVE" the selected value (push for 1 sec).
ESC	To quit the selected parameter / menu
↑	Scroll button, to select an option or to increase value.
↓	Scroll button, to select an option or to reduce value.

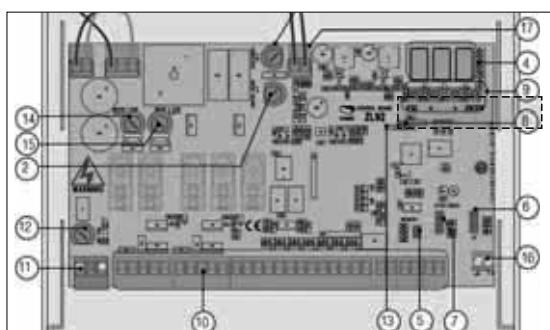
As the electric controller is switched on, the word "**MENU**" appears on the display.

Use buttons **↑** / **↓**, to choose the parameter then push **ENTER**.

Display	Description	Factory settings
VOP	To set opening speed. Choose a value between: min = 15 deg/s max = 70 deg/s	50
VCL	To set closing speed. Choose a value between: min = 15 deg/s max = 70 deg/s	50
PUSH	To choose the amount of force applied. Choose a value between: min = 1 max = 10	10

**10.4. GATE - MANUAL DOOR CLOSER PETTITI****10.5. GATE - AUTOMATIC DOOR CLOSER CAME****INFORMATION**

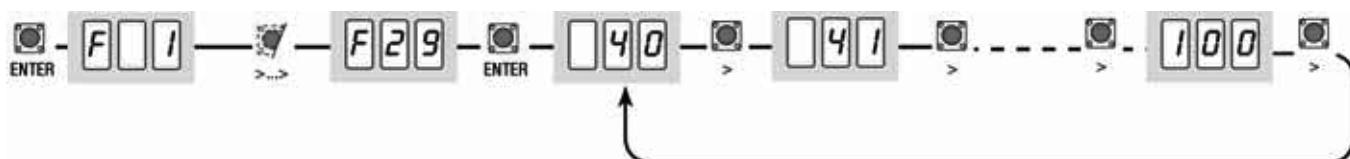
Here below you will find an extract from the door closer manual, for a proper adjustment of common parameters. For further settings, please refer to the supplier's manual.



Rif.	Description	Rif.	Description
2	Card fuse	9	Programming buttons
3	Accessories fuse	10	Terminal boards
4	Display	11	230V power terminal boards
5	Memory roll card connector	12	Line fuse
6	AF card connector	13	Current on-line warning LED indicator
7	R700 or R800 card connector	14	Motor 1 fuse
8	Lack of calibration warning LED indicator	15	Motor 2 fuse

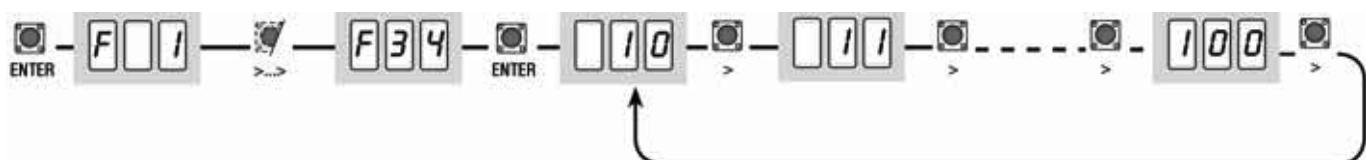
F 29 (M2 motor speed): setting the speed of operation of the M2 motor calculated as a percentage.

40 = 40% of the motor speed (minimum); 100 = 100% of the motor speed (maximum and default setting).



F 34 (gate run sensitivity): adjusts the obstacle detection sensitivity during the gate runs.

10 = maximum sensitivity; 100 = minimum sensitivity (default sensitivity).

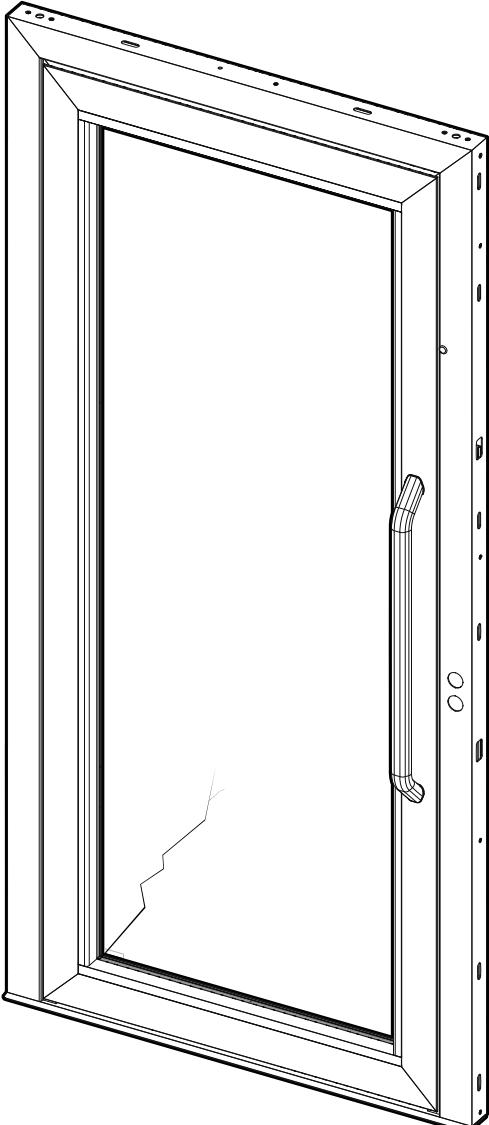




11. MAINTENANCE OPERATIONS



11.1. GLASS REPLACEMENT



- Remove the gasket from the door leaf;
- Unfasten the vertical glazing bead turning it towards the glass, then pull it out;
- Unfasten the horizontal glazing bead;
- Replace the glass;
- Reassemble vertical and horizontal glazing beads and the gasket.

