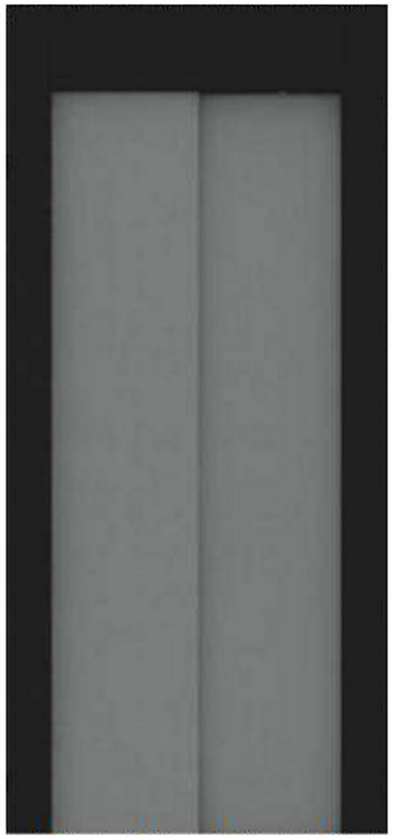
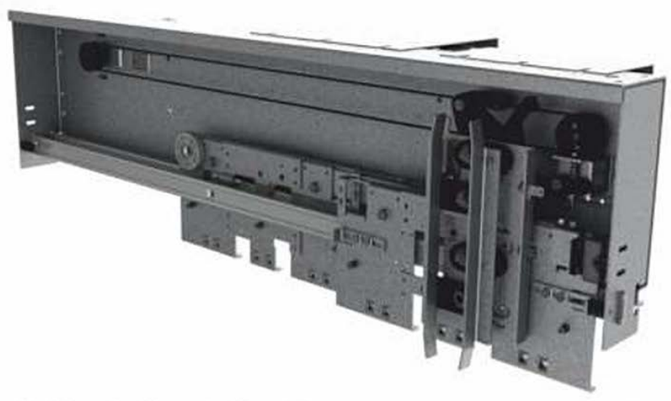
manual
+ technical data

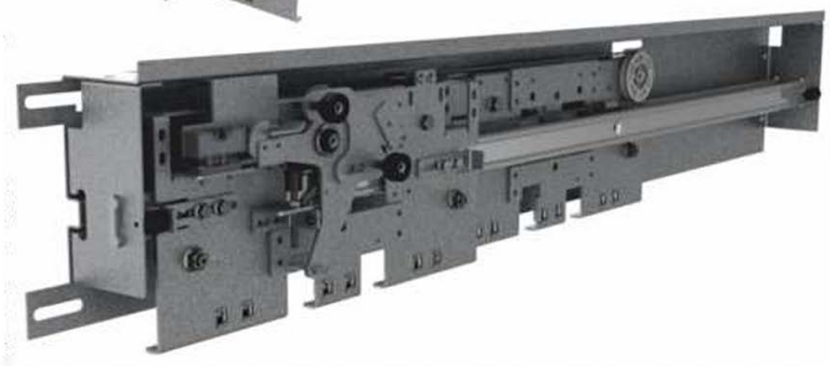


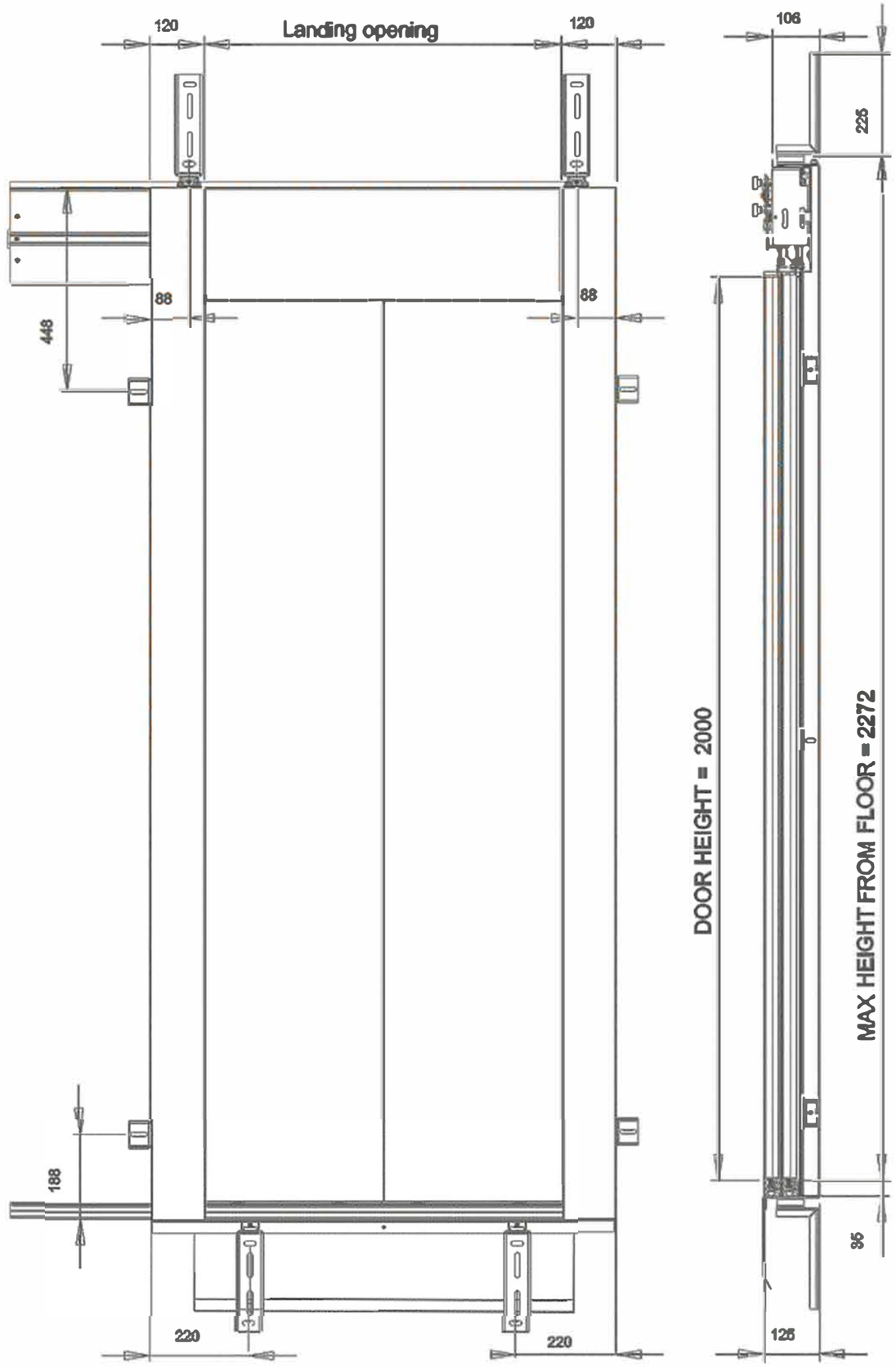
2Φ Τηλεσκοπική + 2P Telescopic

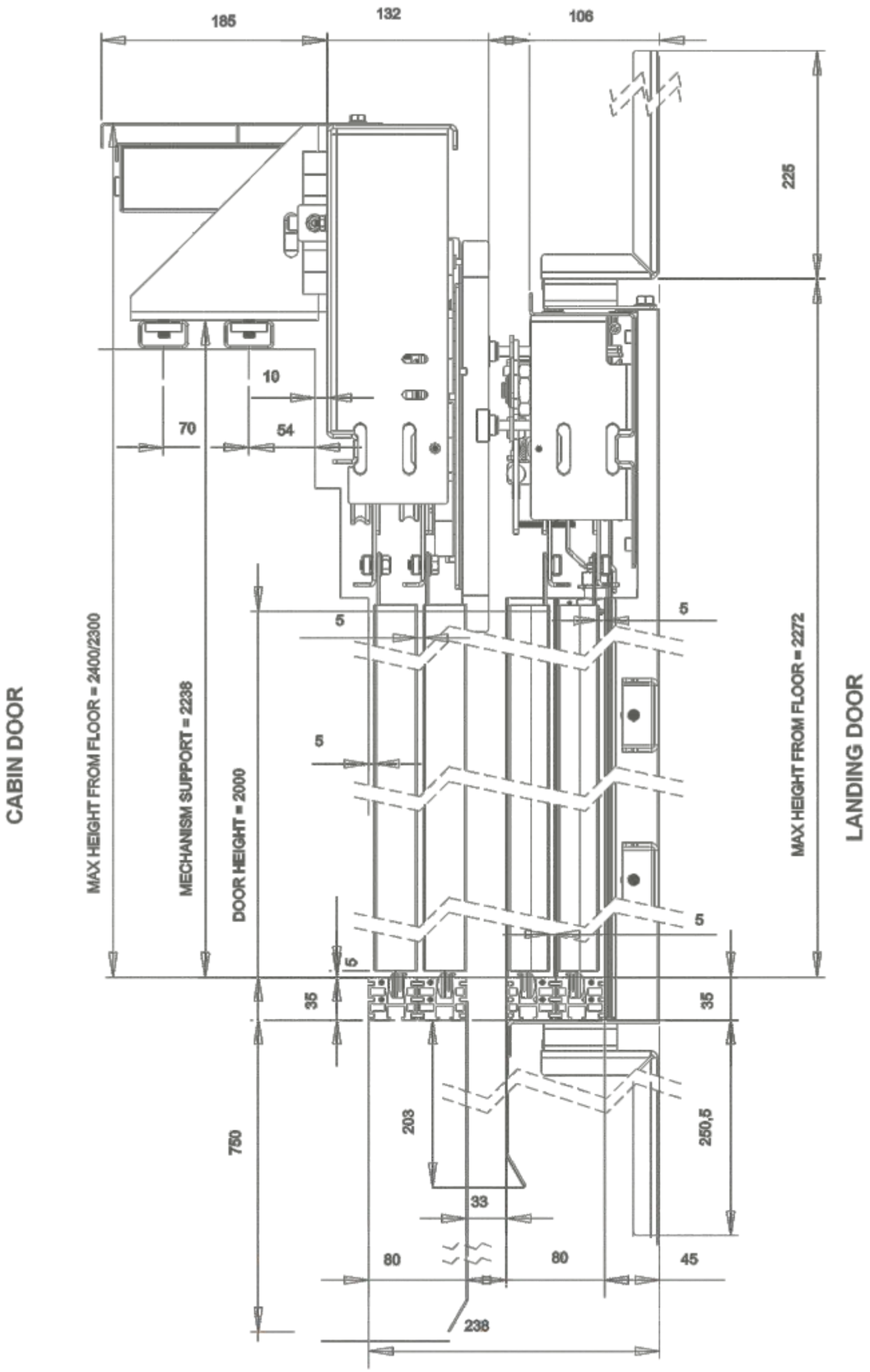
2φ τηλεσκοπική αυτόματη πόρτα είναι η πιο συνηθισμένη πόρτα. Είναι ιδανική για φρεάτια που δεν υπάρχει πρόβλημα χώρου

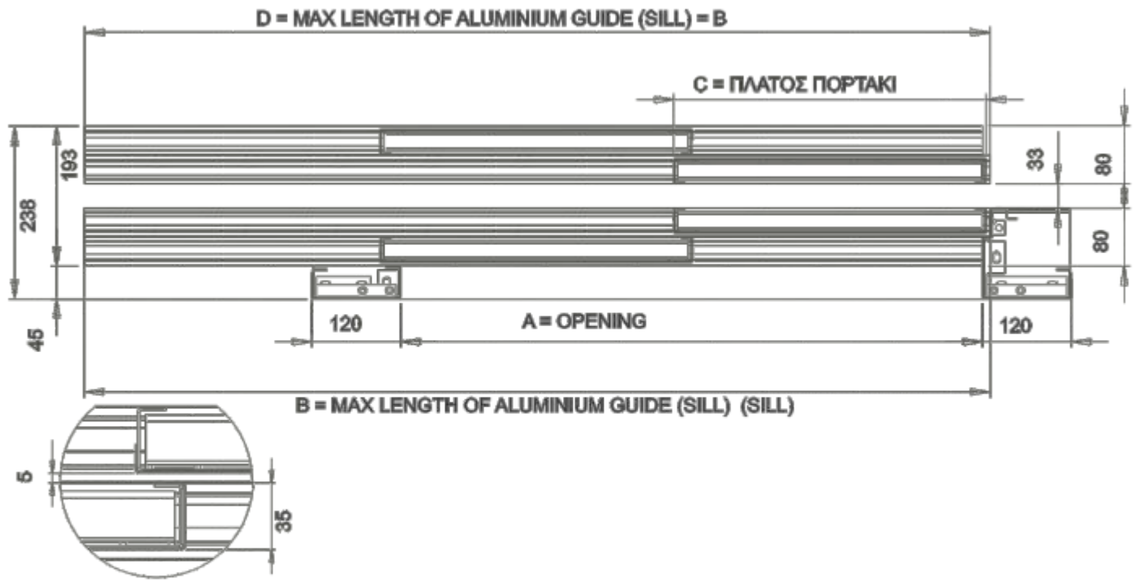
2P telescopic automatic door is more usefull door. Ideal for well that do not exist problem of space.





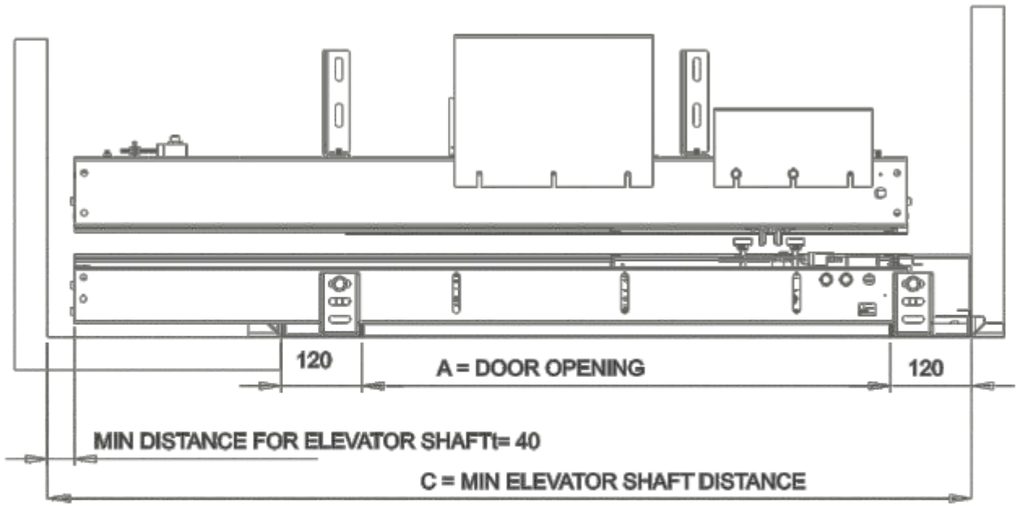






(A) OPENING	(B = D) MAX LENGTH OF ALUMINIUM GUIDE (Sill)	(C) PANEL DISTANCE
600	945	330
650	1020	355
700	1095	380
750	1170	405
800	1245	430
850	1320	455
900	1395	480
950	1470	505
1000	1545	530
1050	1620	555
1100	1695	580
1150	1770	605
1200	1845	630
1250	1920	655
1300	1995	680
1350	2070	705
1400	2145	730
1450	2220	755

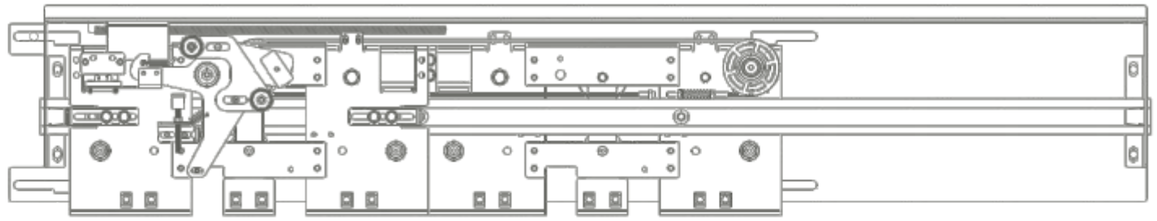
(A) OPENING	((B = D) MAX LENGTH OF ALUMINIUM GUIDE (Sill)	(C) PANEL DISTANCE
1500	2295	780
1550	2370	805
1600	2445	830
1650	2520	855
1700	2595	880
1750	2670	905
1800	2745	930
Distances are for case 120 mm		



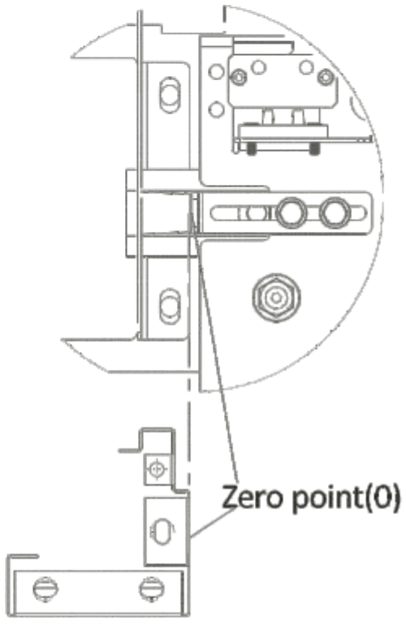
(A) DOOR OPENING	(C) MIN ELEVATOR SHAFT DISTANCE
600	1100
650	1175
700	1250
750	1325
800	1400
850	1475
900	1550
950	1625
1000	1700
1050	1775
1100	1800
1150	1925
1200	2000
1250	2075
1300	2150
1350	2225
1400	2300
1450	2375
1500	2450

(A) DOOR OPENING	(C) MIN ELEVATOR SHAFT DISTANCE
1550	2525
1600	2600
1650	2675
1700	2750
1750	2825
1800	2900
Distances are for case 120 mm	

Basic settings of landing door



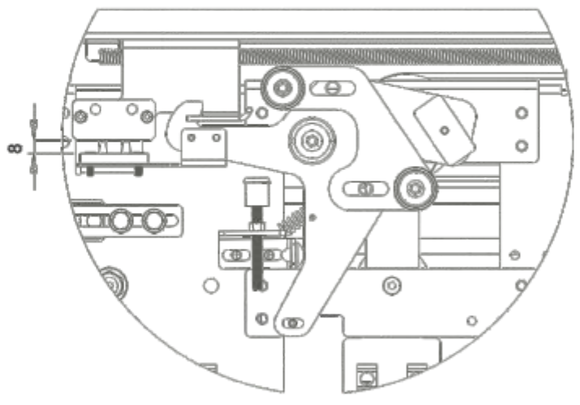
2Panel Telescopic landing mechanism



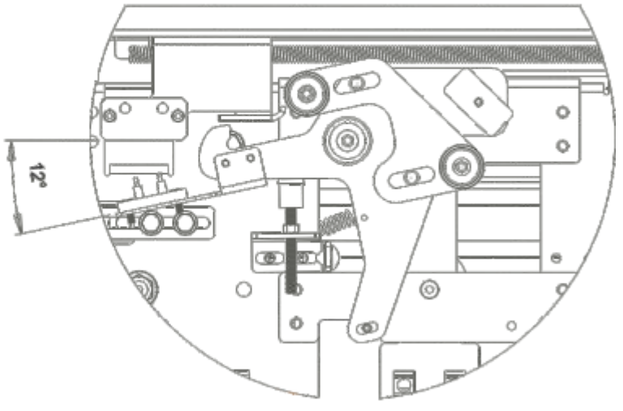
Zero point of landing mechanism

During the placement of landing mechanism in casings should be place the mechanism to special hooks that are on caising.That hook designed so you can place the mechanism over individually in casings and then can easily and quickly only to screw mechanism.

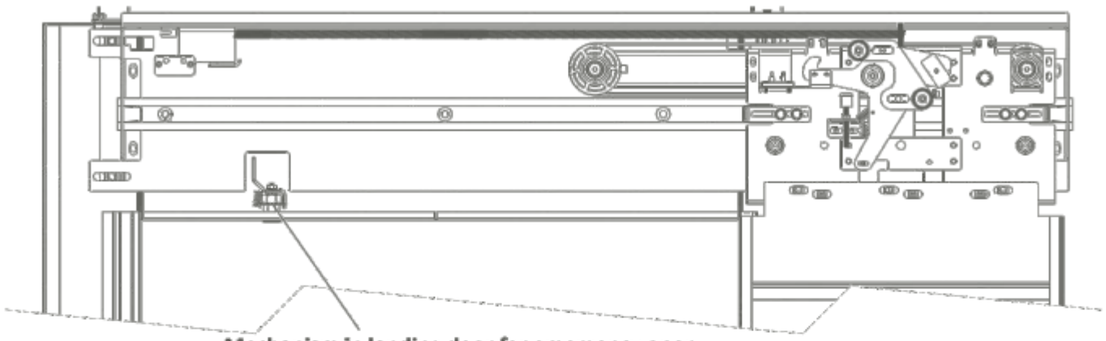
Be careful when setting should the rubber stopper to be personally on the outside face of the column closing casings as shown in drawing



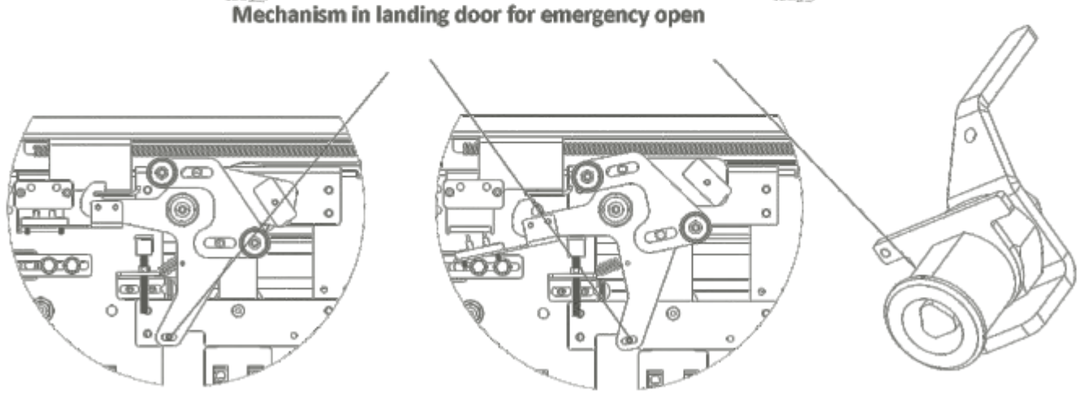
Door is closed
Distance fork contacts from contact: 8mm

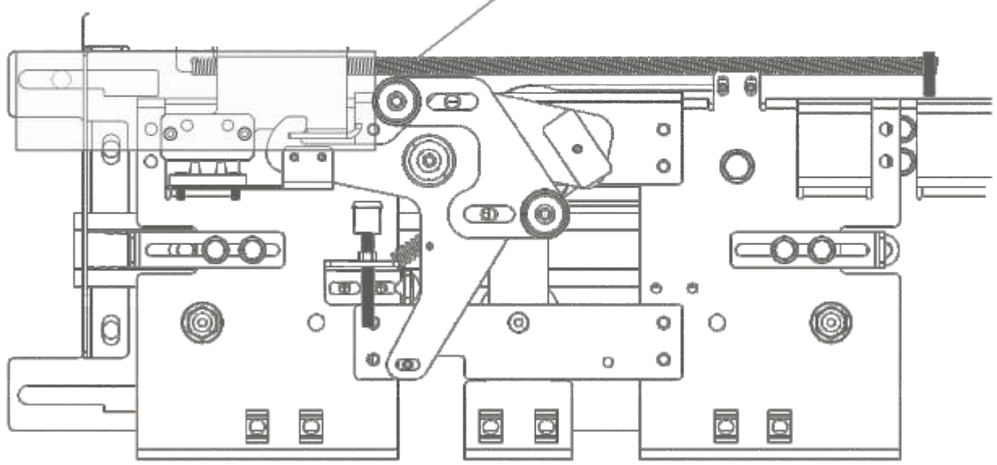


Door is open



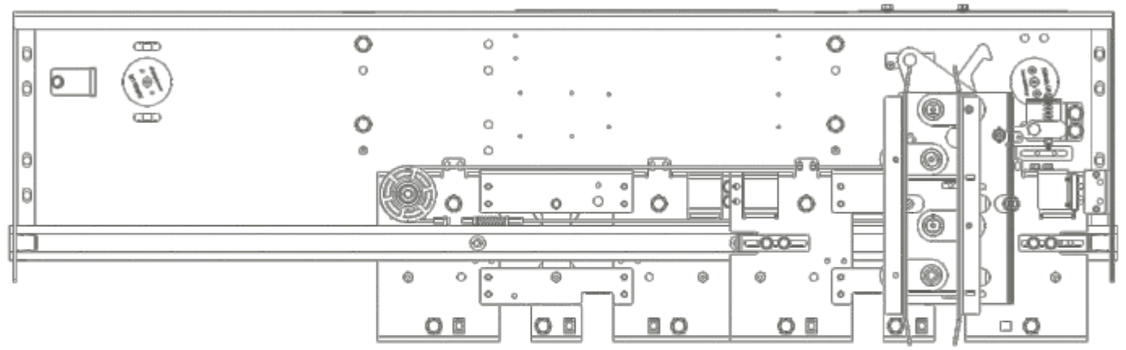
Mechanism in landing door for emergency open



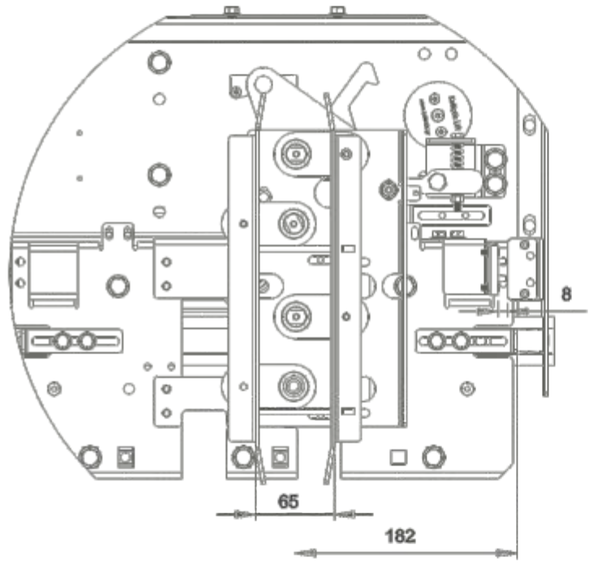


Spring to returns landing door .Landing door close

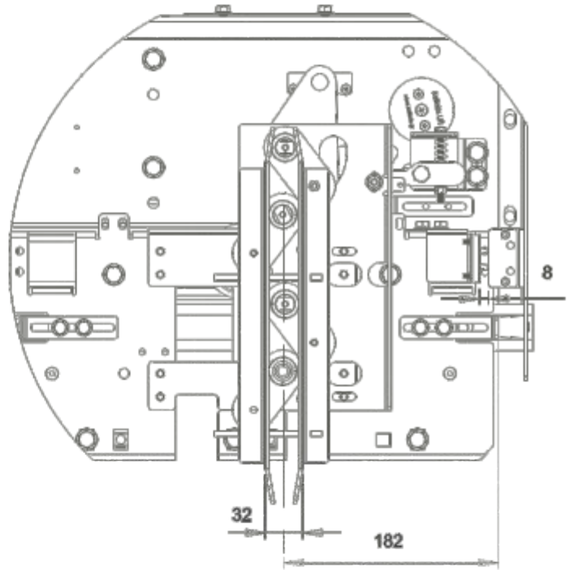
Basic settings of cabin door



2Panel Telescopic cabin mechanism



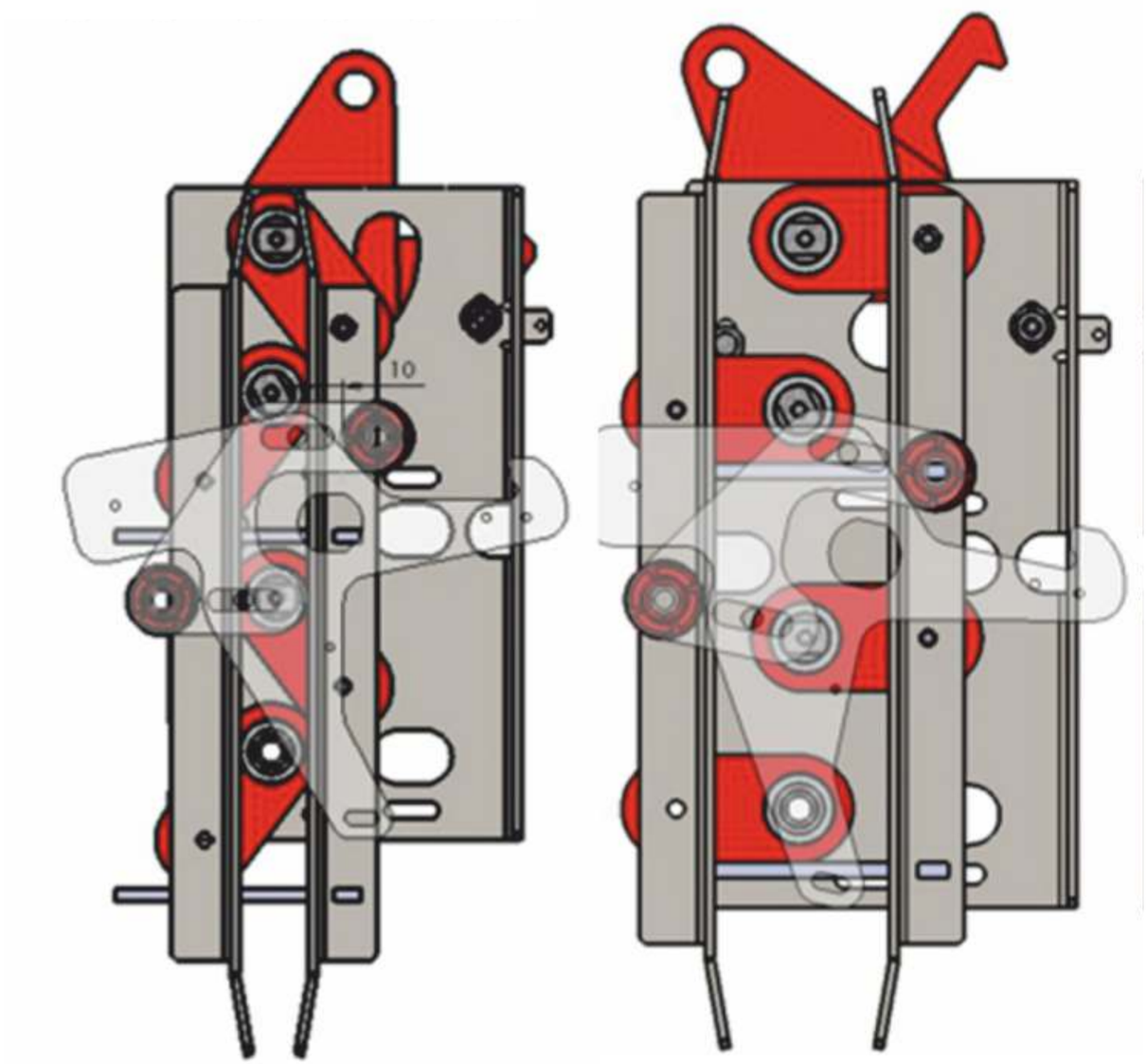
Skate open



Skate close

When setting should the rubber stopper in outer surface of casing of cabin as in landing mecahinism

- **Skate open: 65 mm**
- **Skaet close: 32 mm**
- **Distance between stopper-skate: 182 mm**
- **Distance fork contacts from contact: 8mm**



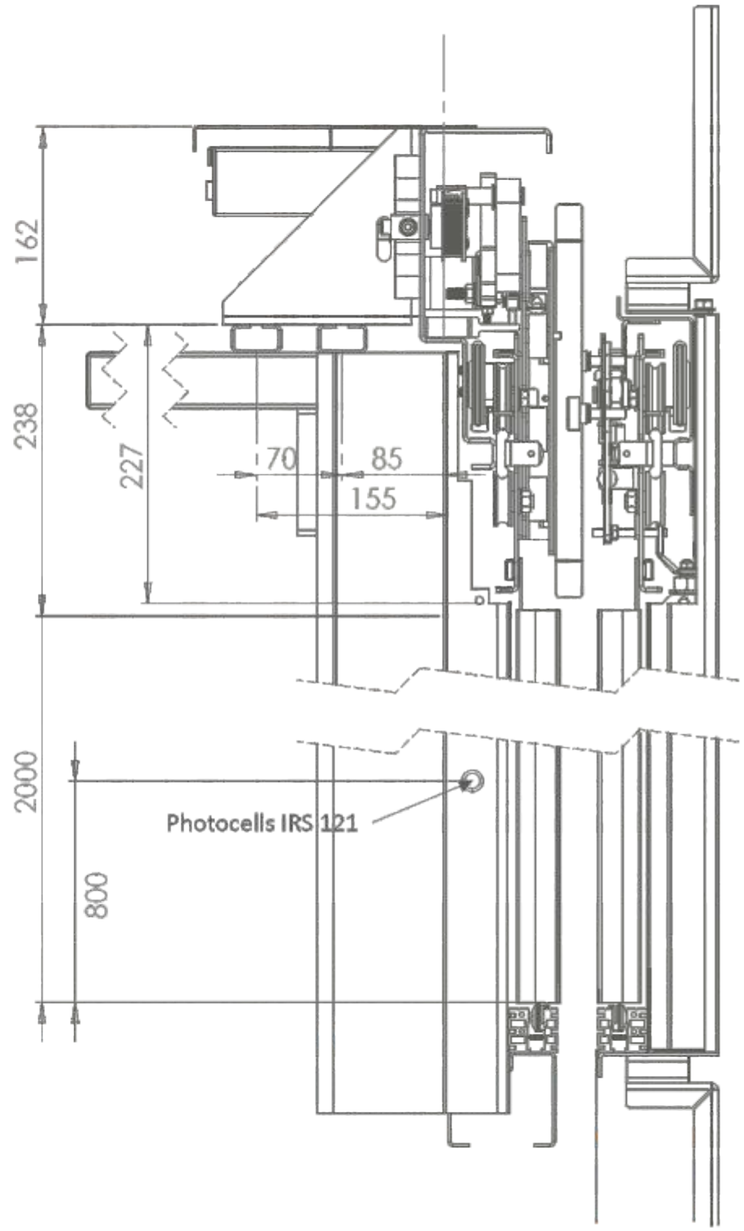
Skate close - door close

Skate open - Door open

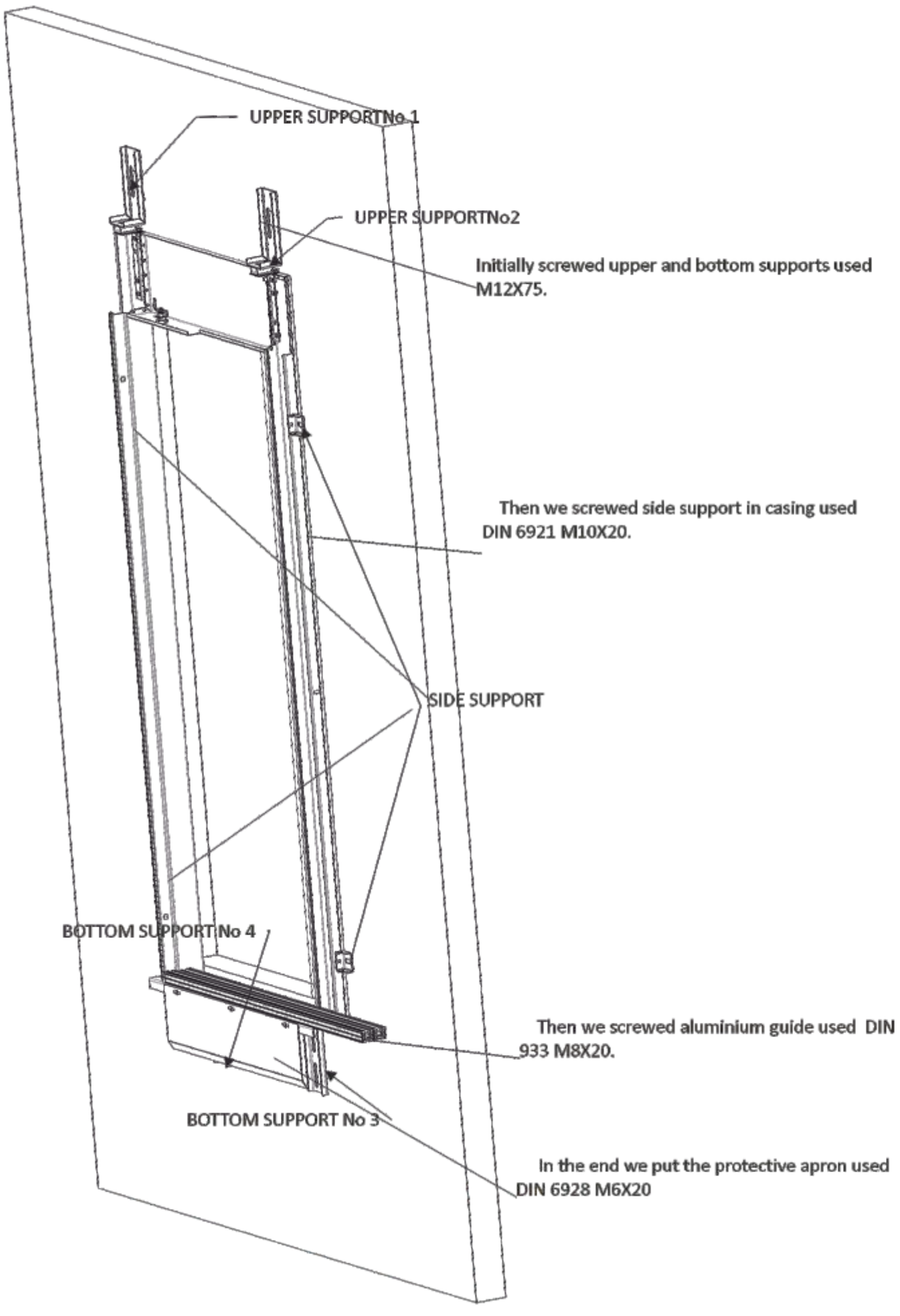
Distance between roller and skate: 10 mm.

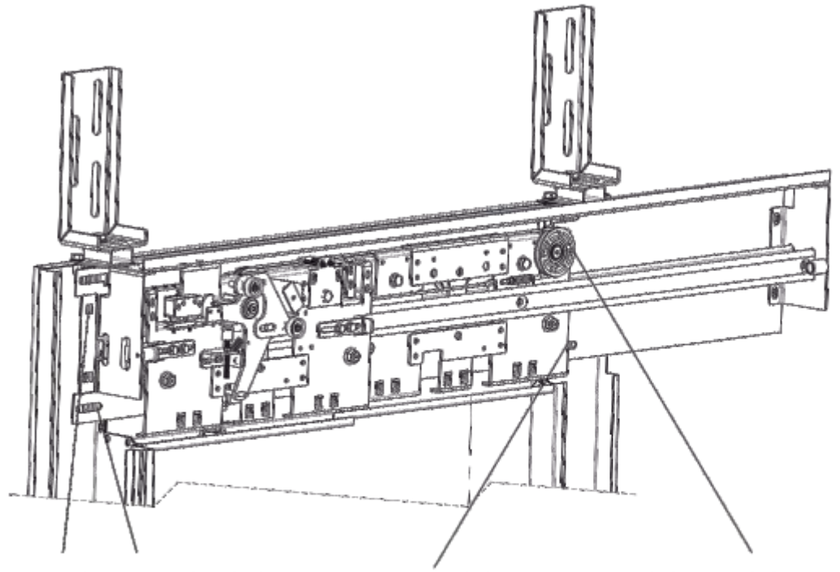
Photocells - Photocurtain

The protection of people entering and exiting the lift is achieved with photocells (single or double) or using photocurtain and the operation of obstruction (electronically controlled and adjustable 80 ... 180 Nw



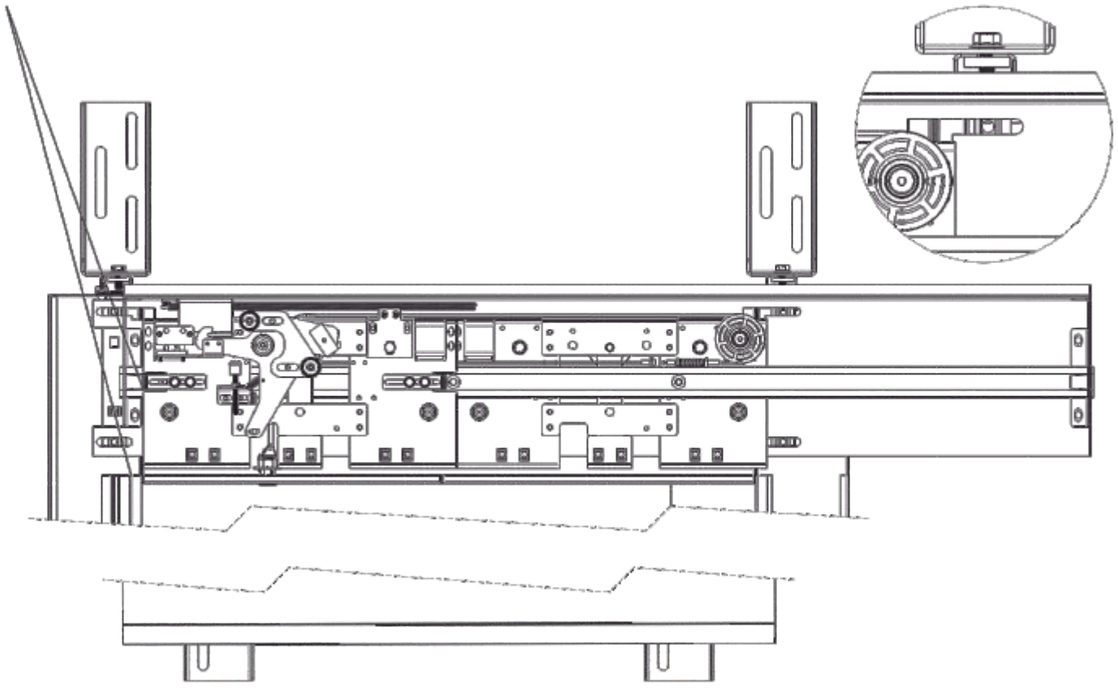
Installation of landing door

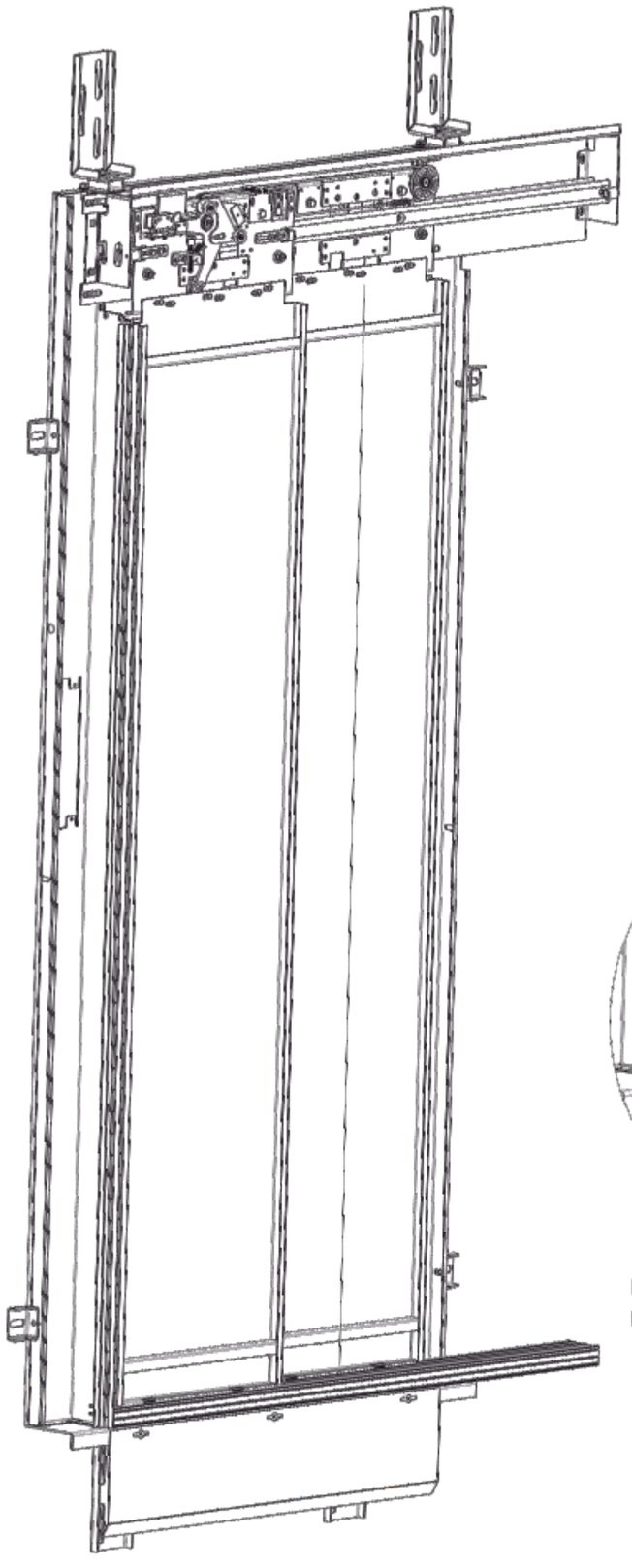




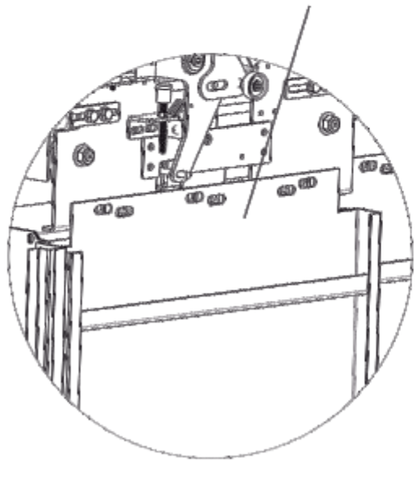
Put the landing mechanism in hook there is in casing and then we screwed this used four items of DIN 6921 M8X20.

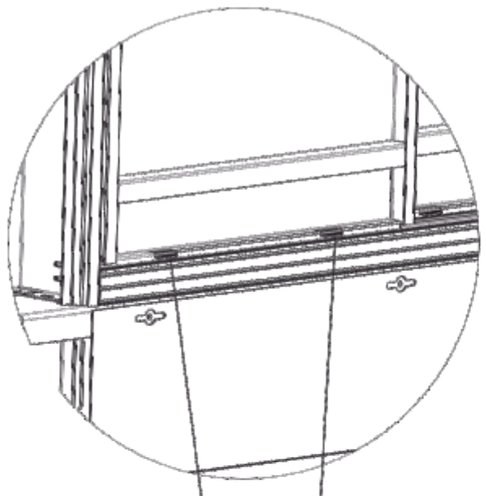
Elastic stopper and column in same point





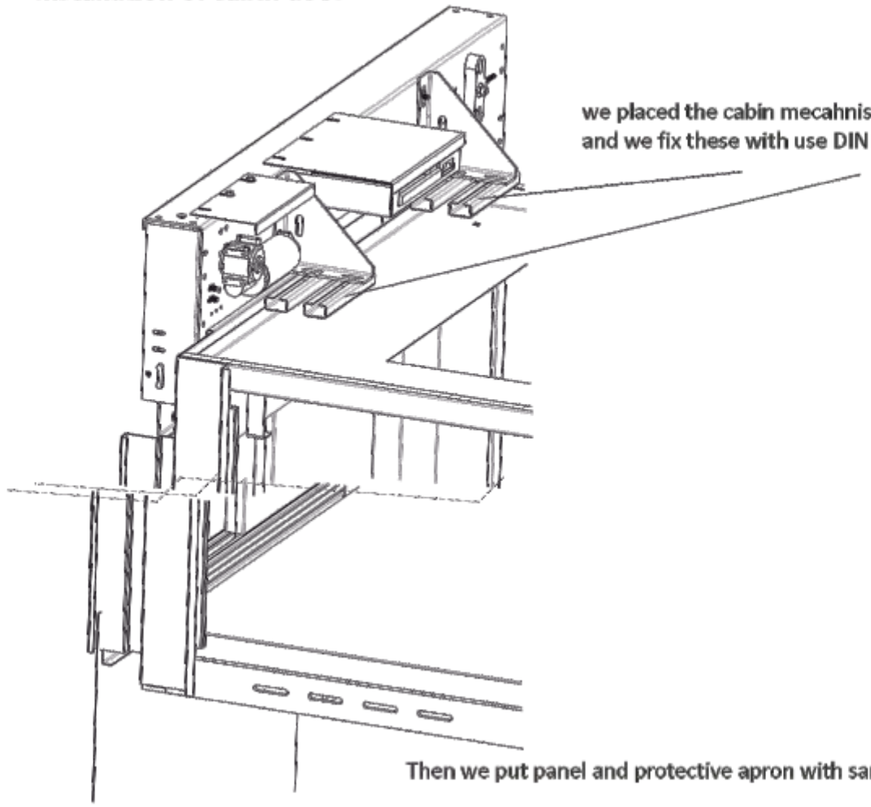
Then we put panel with used three items of DIN 6921 M8X20 .
If we want to move above panel screwed in down hole while if we want to download screwed over in holes





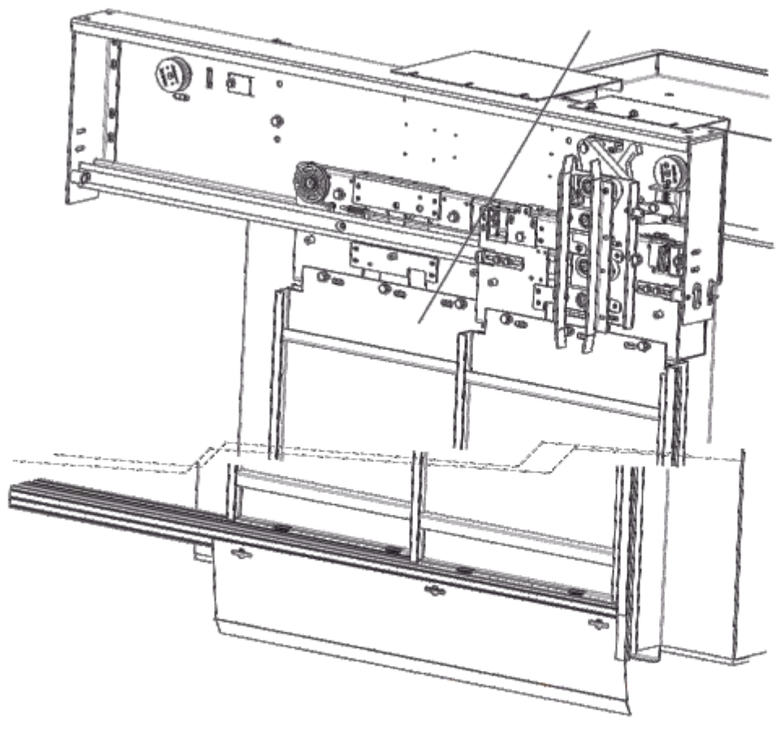
In the bottom o f panel we use plastic slips which help panel to move in the aluminium guide.

Installation of cabin door



we placed the cabin mecahnism in the cabin wth cabin supports and we fix these with use DIN 6921 M10X20.

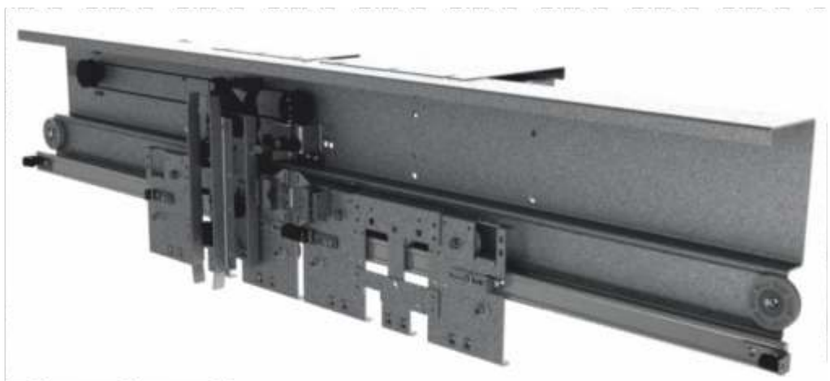
Then we put panel and protective apron with same way as landing door

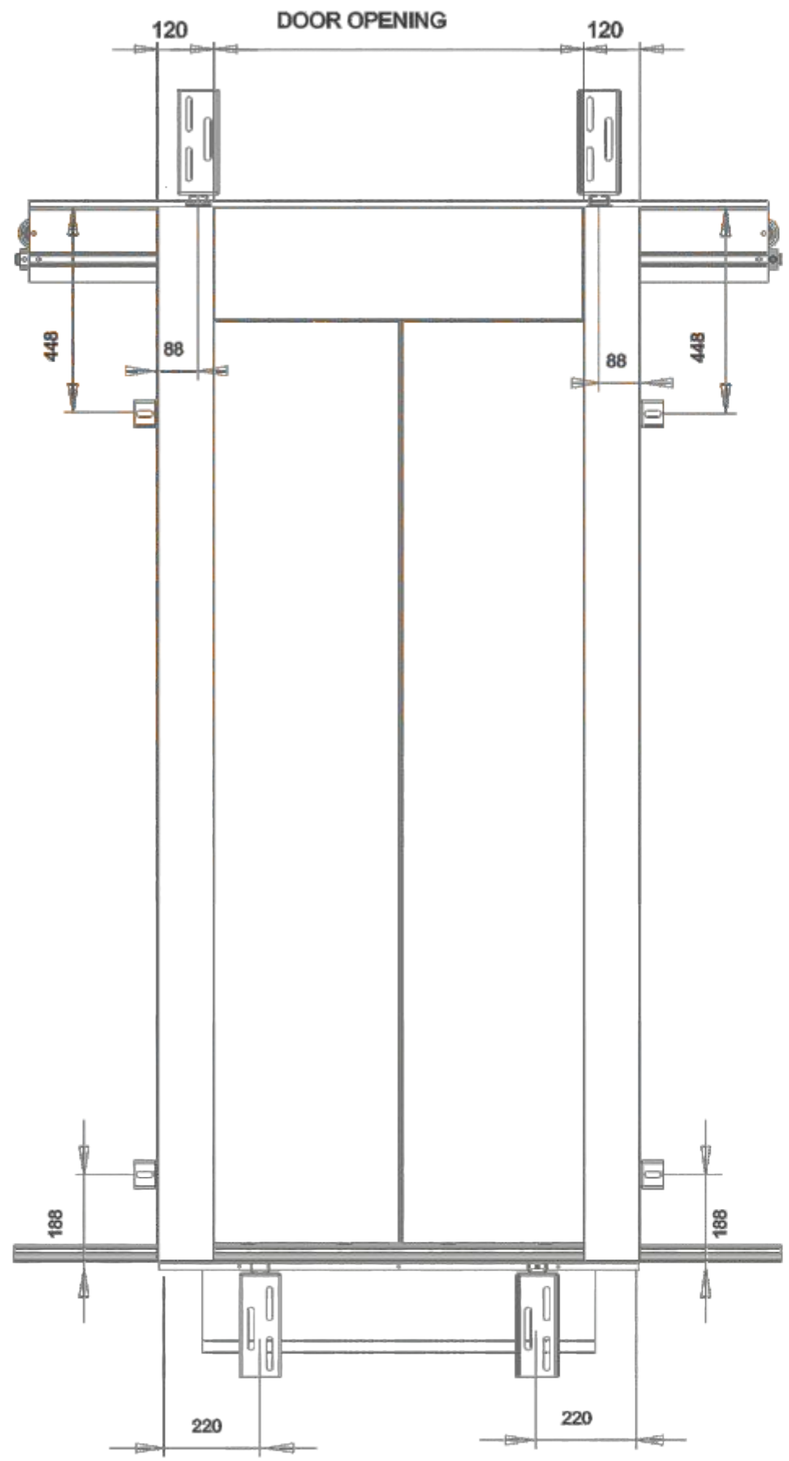


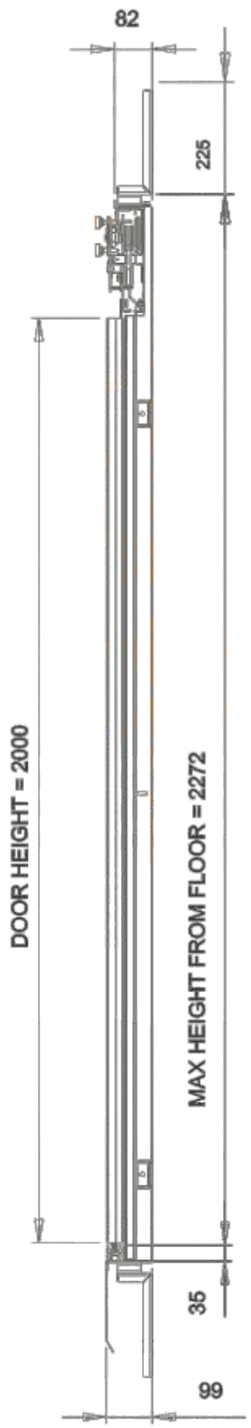
2Φ Κεντρική +2P Center

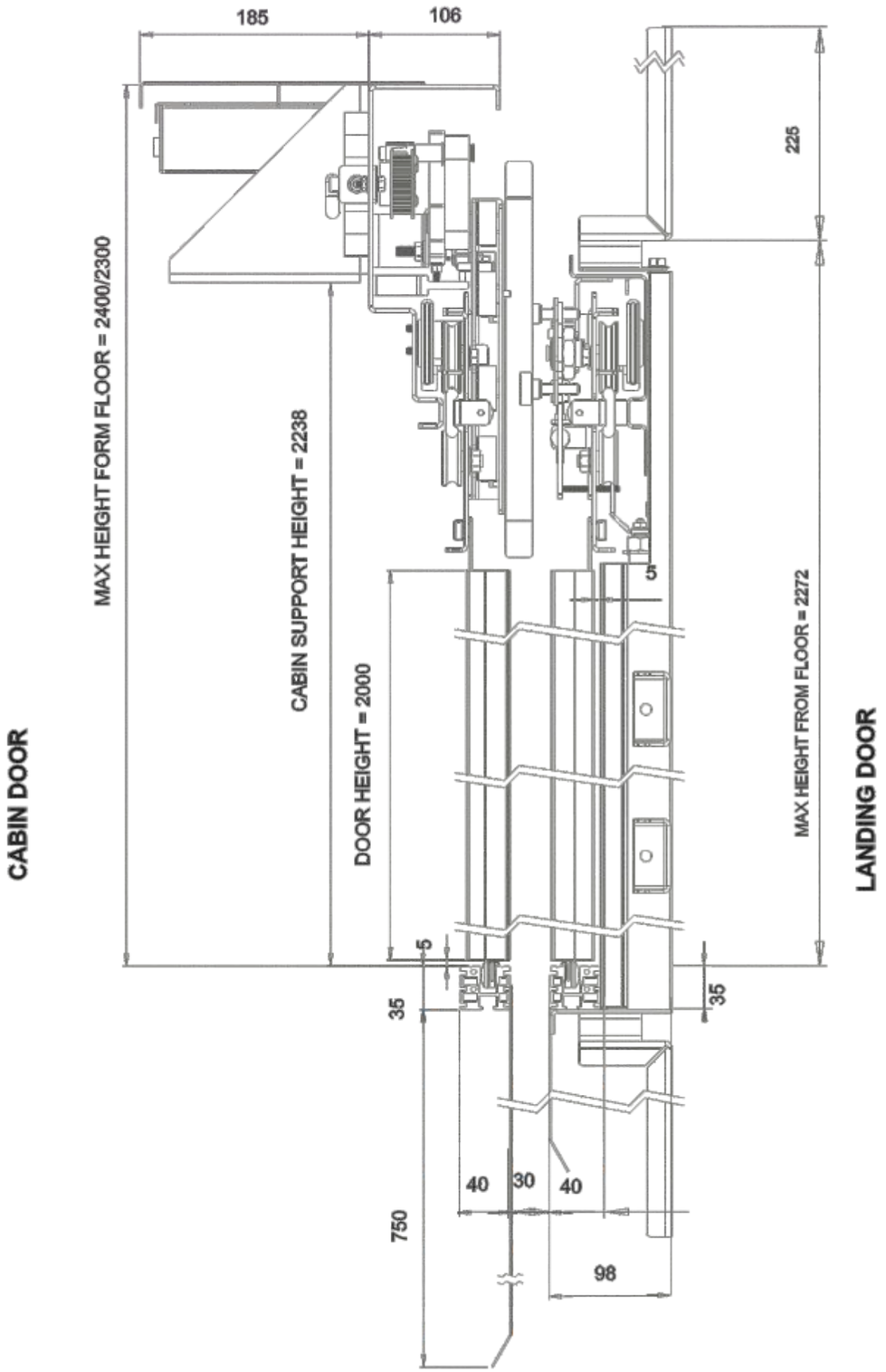
2φ κεντρική αυτόματη πόρτα είναι ιδανική για φρεάτια που υπάρχει πρόβλημα στο βάθος του φρεατίου αλλά δεν έχουμε πρόβλημα με το πλάτος του

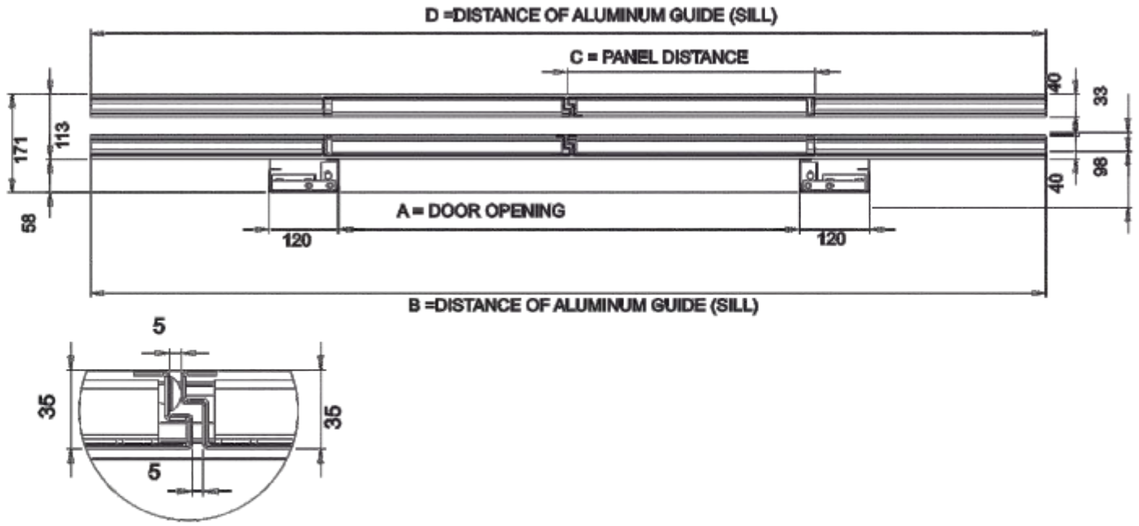
2P center automatic door is ideal for well with problem with depth and no problem with width.





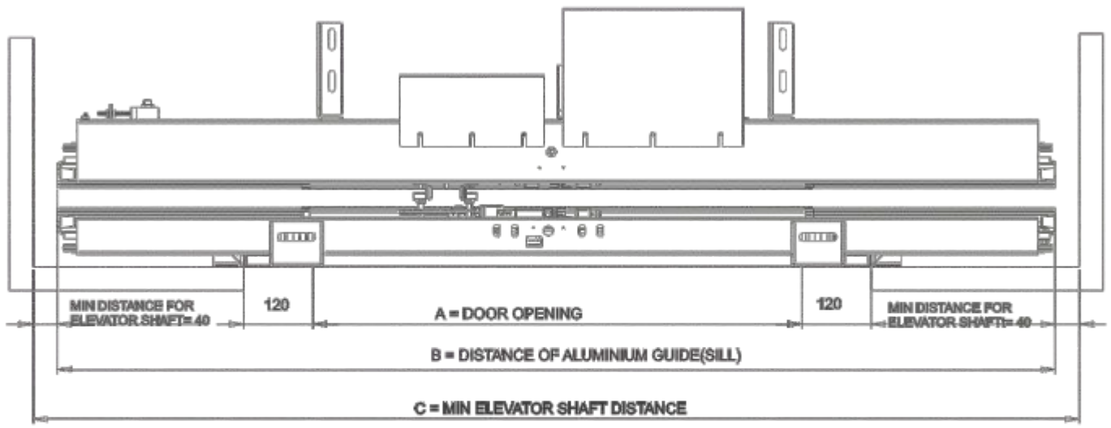






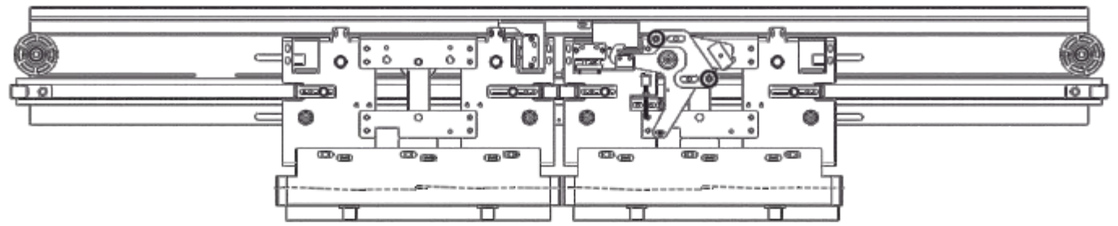
(A) DOOR OPENING	(B = D) DISTANCE OF ALUMINUM GUIDE (SIll)	(C) PANEL DISTANCE
600	1260	330
650	1360	355
700	1460	380
750	1560	405
800	1660	480
850	1760	455
900	1860	480
950	1960	505
1000	2060	530
1050	2160	555
1100	2260	580
1150	2360	605
1200	2460	630
1250	2560	655
1300	2660	680
1350	2760	705
1400	2860	730
1450	2960	755

(A) Ανοιγμα Οροφου	(B = D) DISTANCE OF ALUMINUM GUIDE (SIll)	(C) PANEL DISTANCE
1500	3060	780
1550	3160	805
1600	3260	830
1650	3360	855
1700	3460	880
1750	3560	905
1800	3660	930

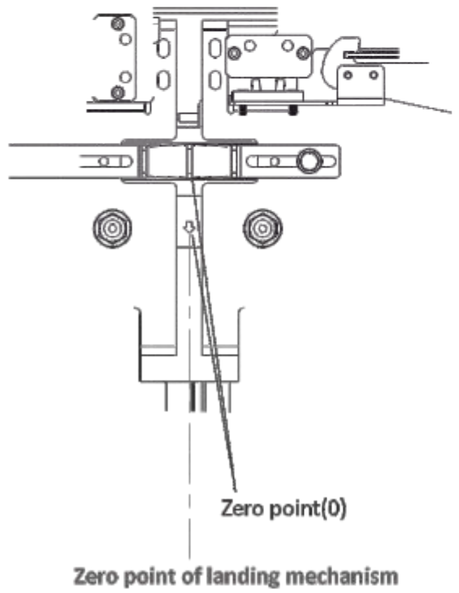


(A) DOOR OPENING	(B) DISTANCE OF ALUMINIUM GUIDE (sill)	(C) MIN ELEVATOR SHAFT DISTANCE
600	1260	1340
650	1360	1440
700	1460	1540
750	1560	1640
800	1660	1740
850	1760	1840
900	1860	1940
950	1960	2040
1000	2060	2140
1050	2160	2240
1100	2260	2340
1150	2360	2440
1200	2460	2540

Basic settings of landing door



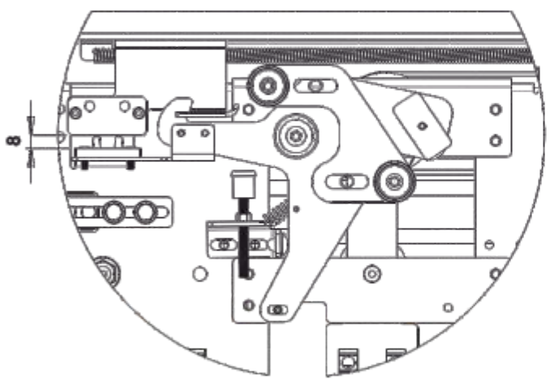
2Panel Center landing mechanism



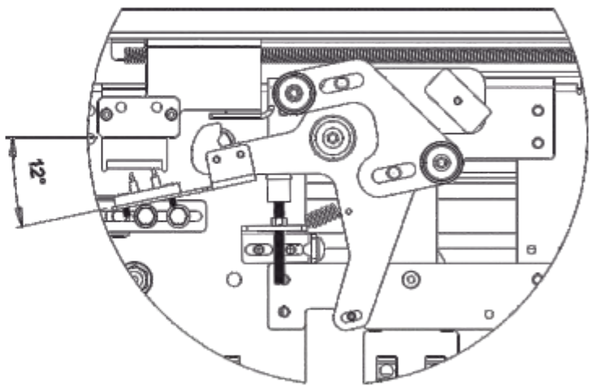
Zero point of landing mechanism

During the placement of landing mechanism
in casings should be place the mechanism to special hooks that are on caising.That hook designed so you can place the mechanism over individually in casings and then can easily and quickly only to screw mechanism.

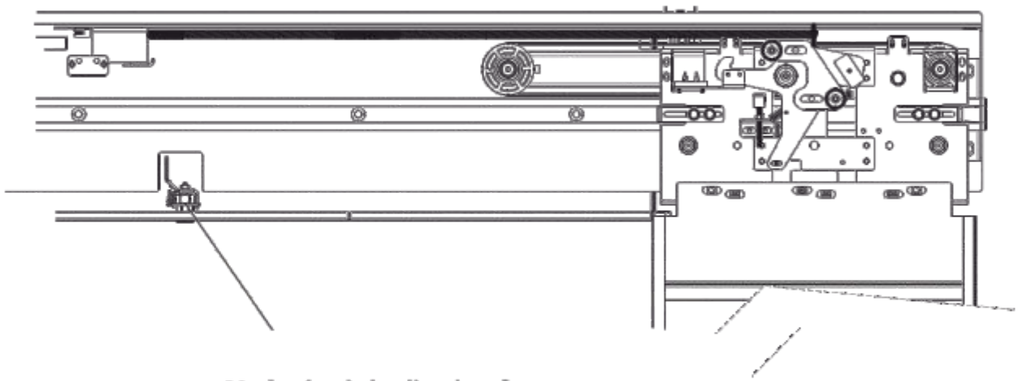
Be careful when setting should the rubber stopper to be personally on the outside face of the column closing casings as shown in drawing



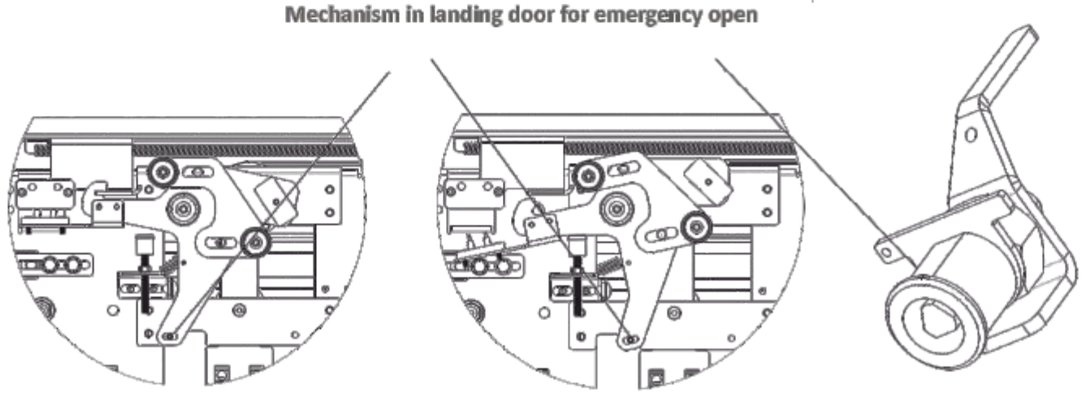
Door is closed
Distance fork contacts from contact: 8mm



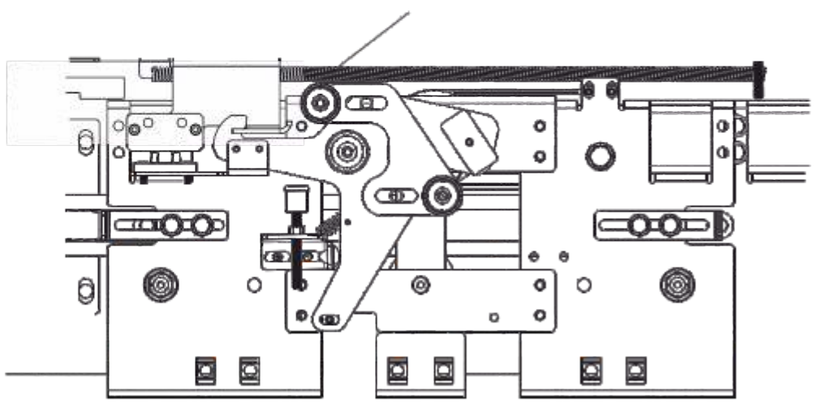
Door is open



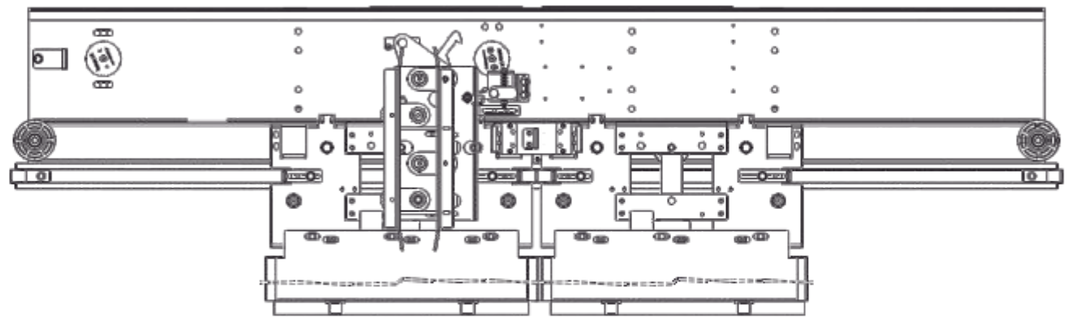
Mechanism in landing door for emergency open



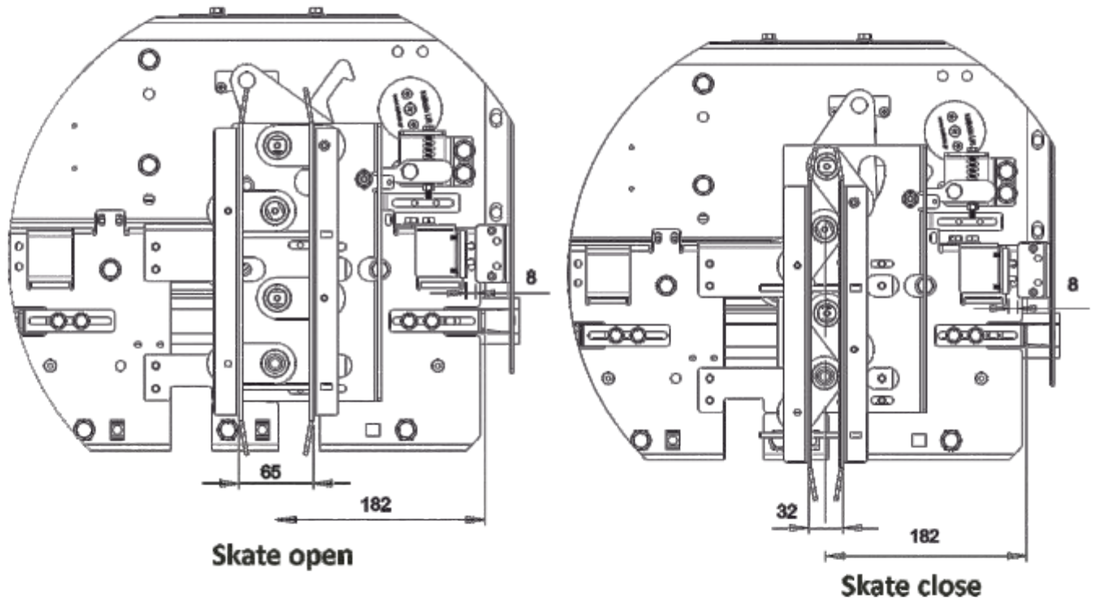
Spring to returns landing door .Landing door close



Basic settings of cabin door



2Panel Center cabin mechanism

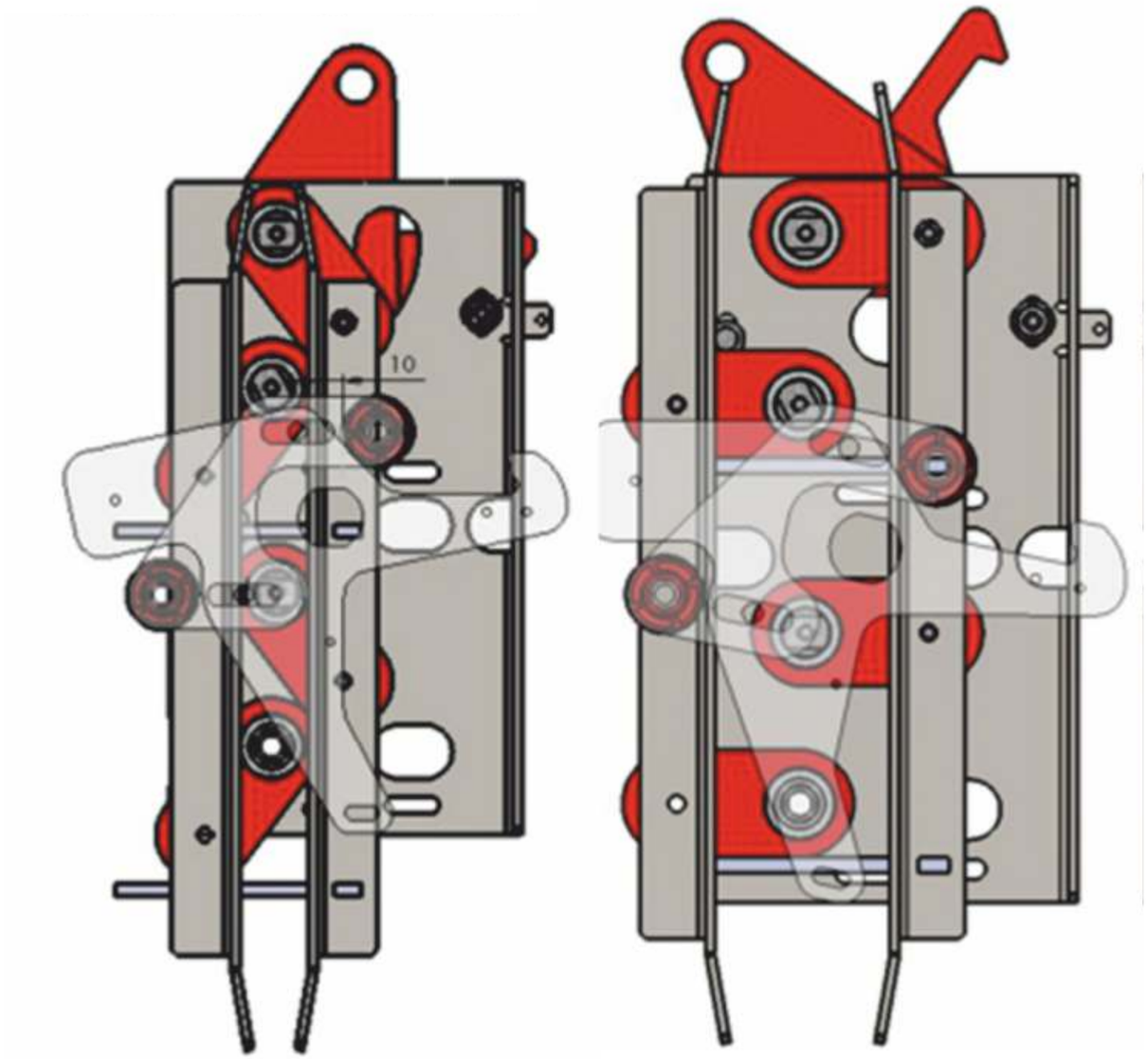


Skate open

Skate close

When setting should the rubber stopper in outer surface of casing of cabin as in landing mecahinism

- **Skate open: 65 mm**
- **Skaet close: 32 mm**
- **Distance between stopper-skate: 182 mm**
- **Distance fork contacts from contact: 8mm**



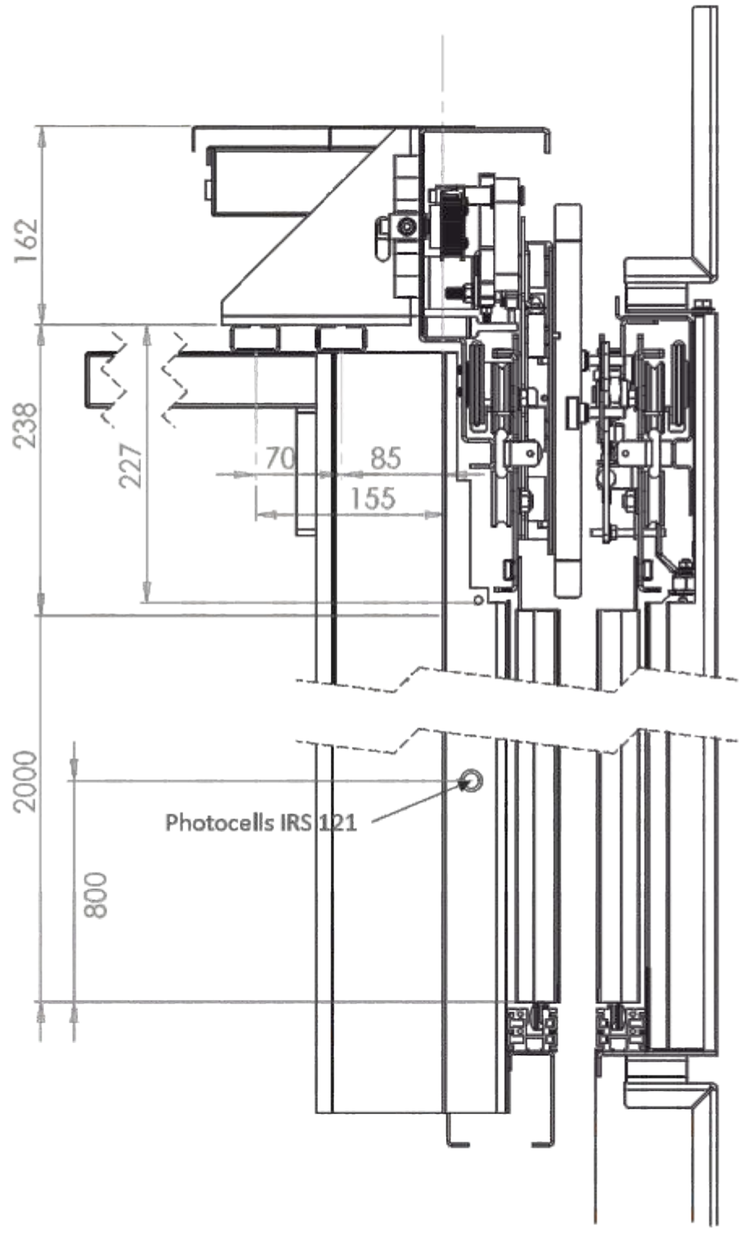
Skate close - door close

Skate open - Door open

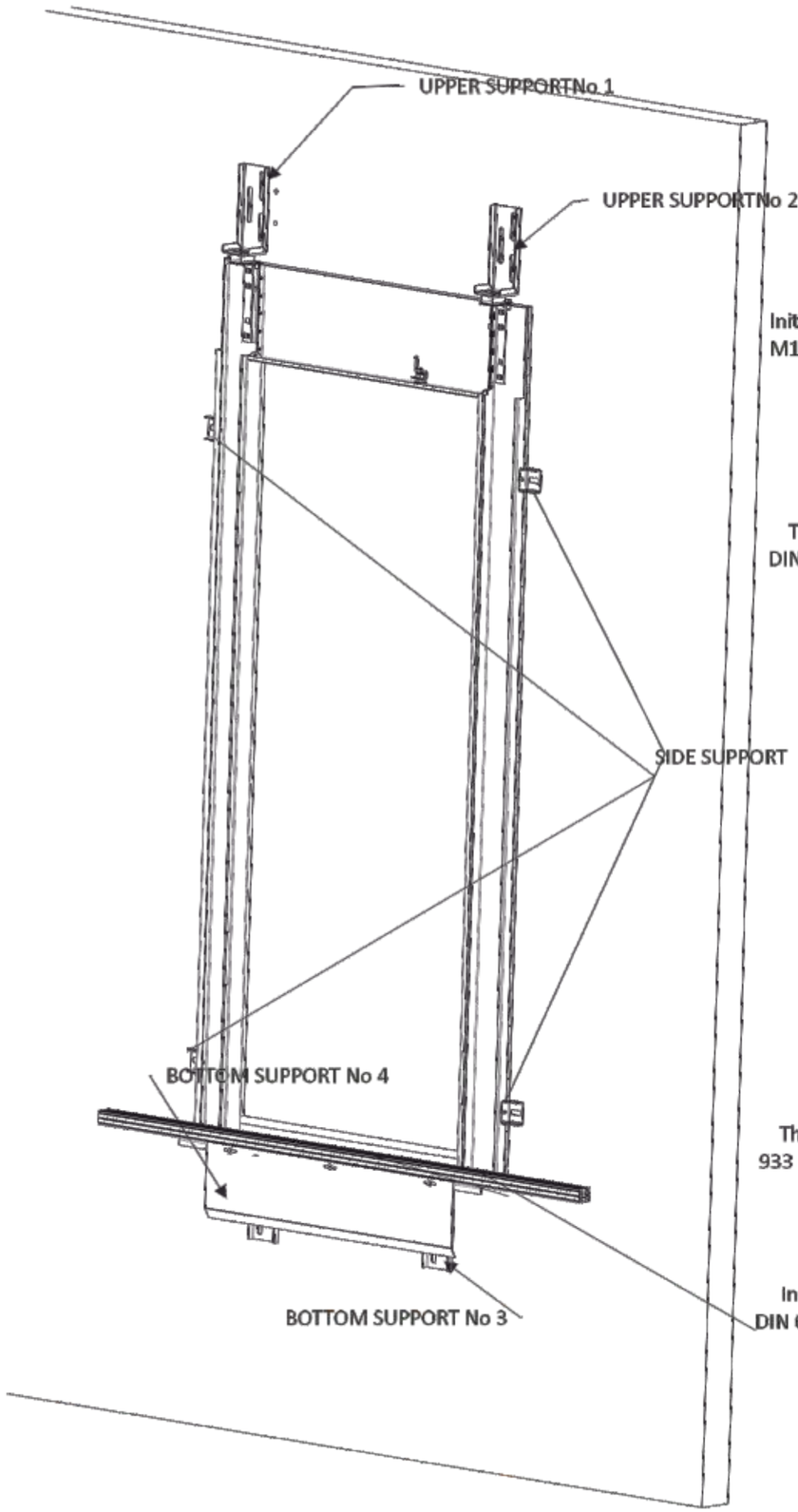
Distance between roller and skate: 10 mm.

Photocells - Photocurtain

The protection of people entering and exiting the lift is achieved with photocells (single or double) or using photocurtain and the operation of obstruction (electronically controlled and adjustable 80 ... 180 Nw



Installation of landing door

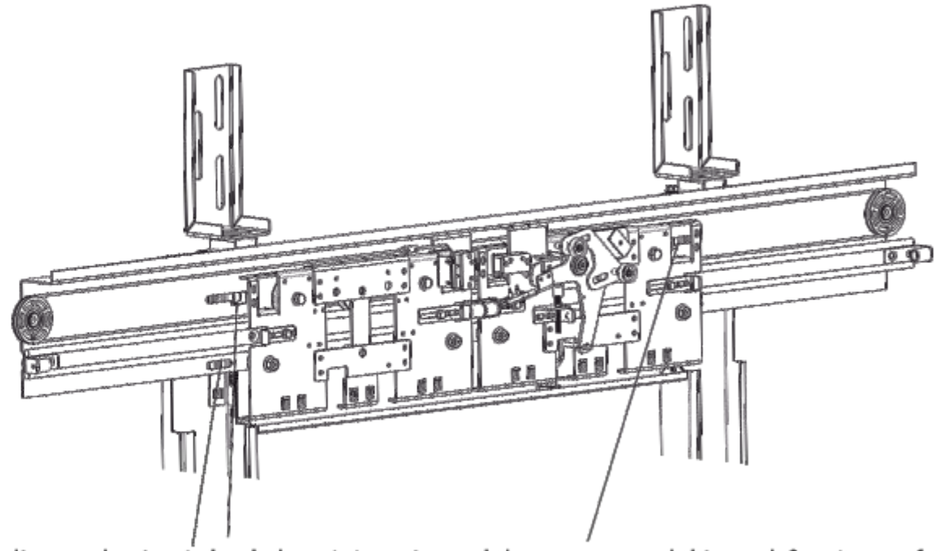


Initially screwed upper and bottom supports used M12X75.

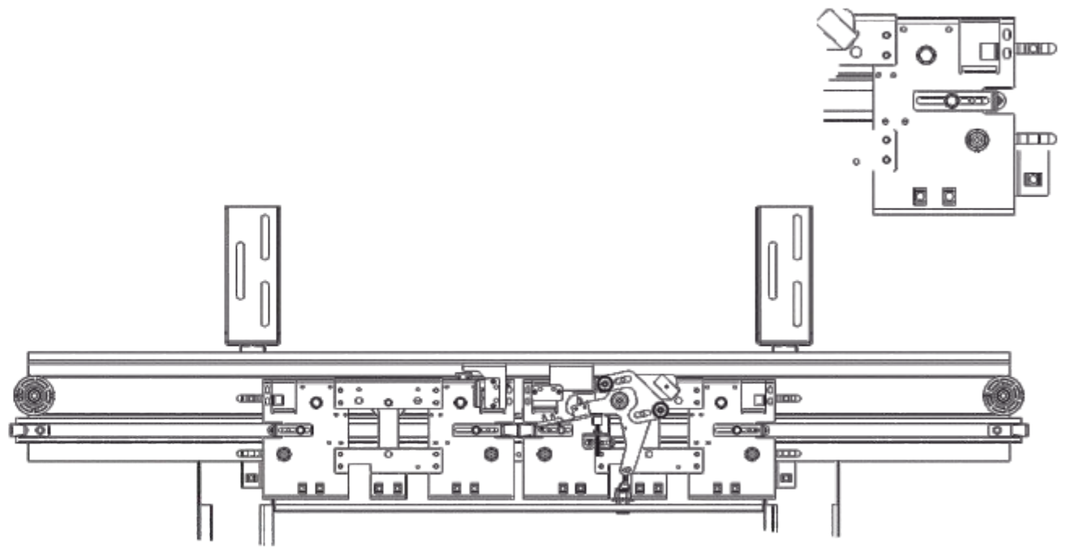
Then we screwed side support in casing used DIN 6921 M10X20.

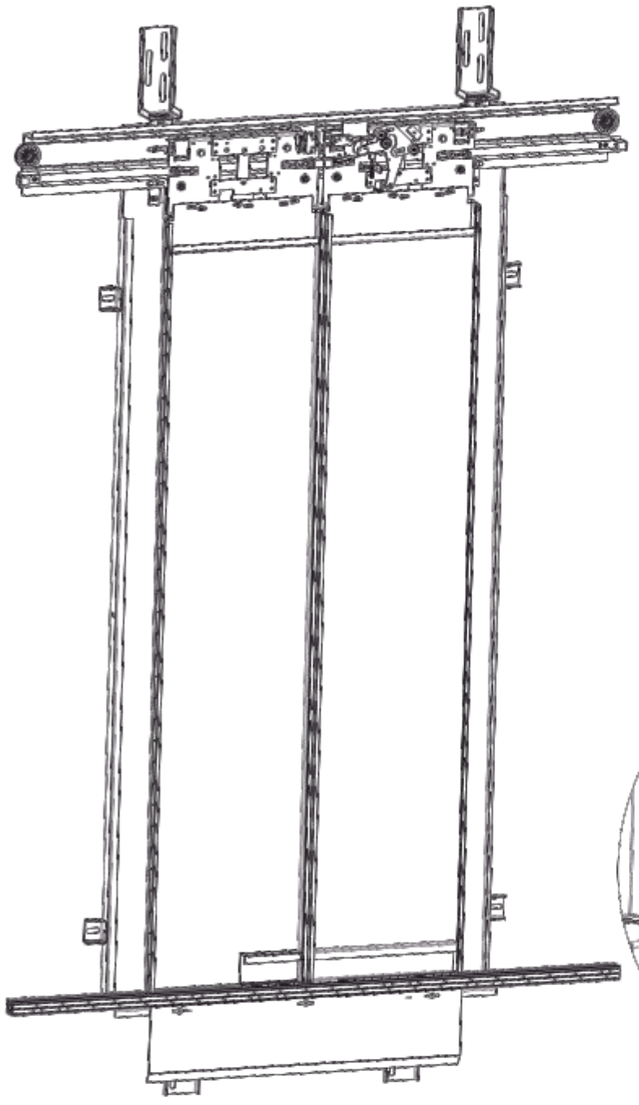
Then we screwed aluminium guide used DIN 933 M8X20.

In the end we put the protective apron used DIN 6928 M6X20

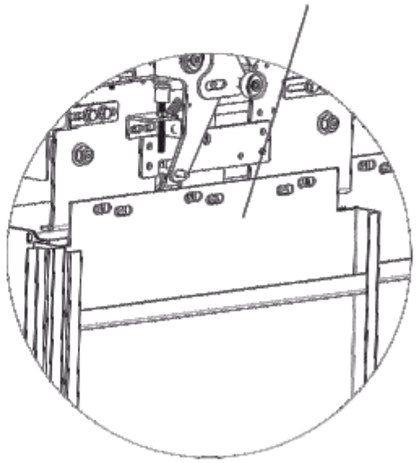


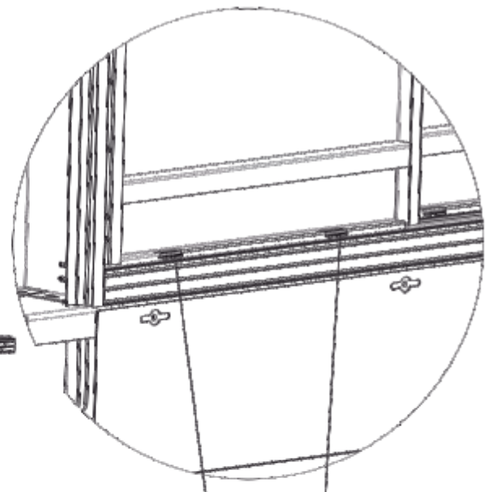
Put the landing mechanism in hook there is in casing and then we screwed this used four items of DIN 6921 M8X20.





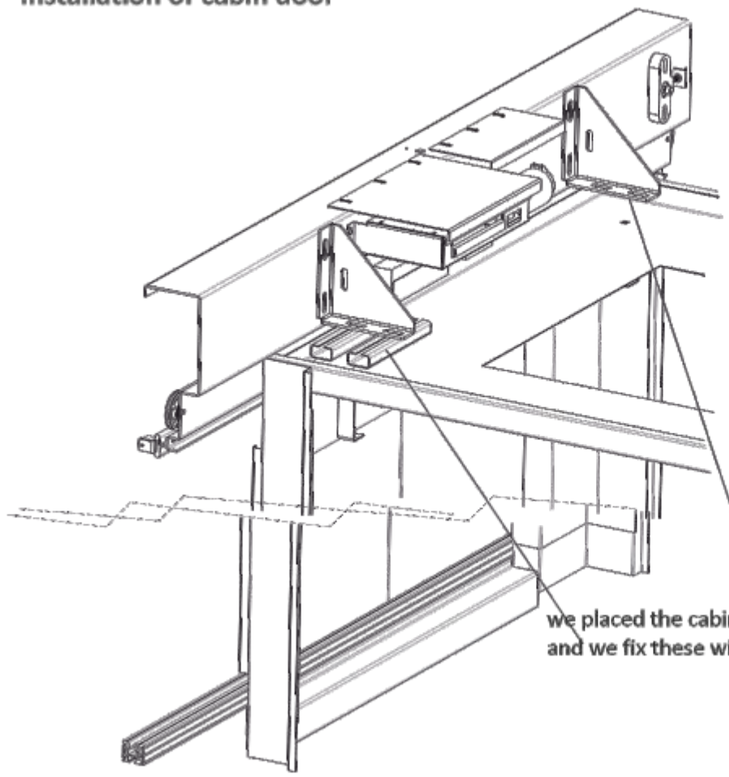
Then we put panel with used three items of DIN 6921 M8X20 .
If we want to move above panel screwed in down hole while if we want to download screwed over in holes





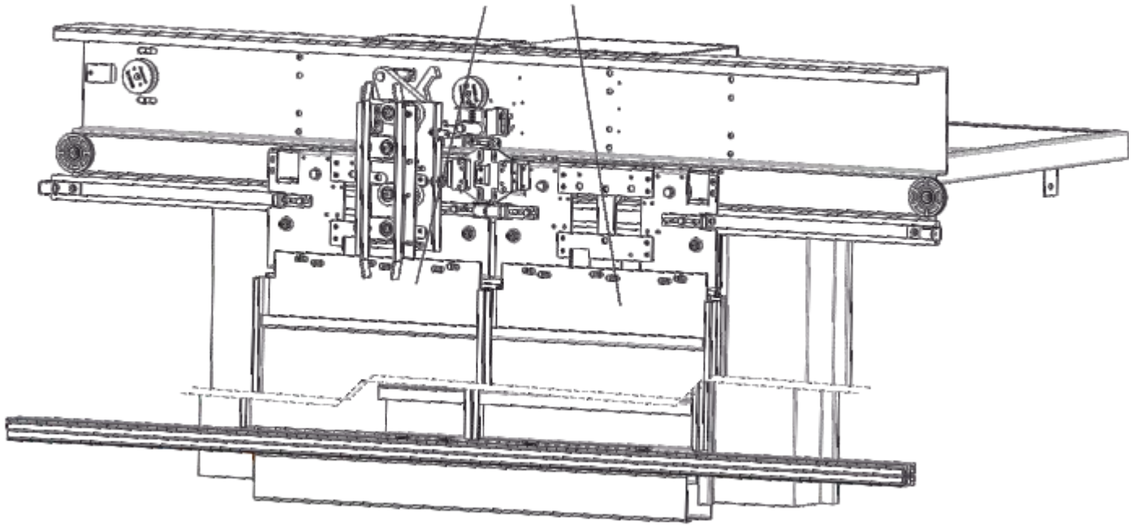
In the bottom o f panel we use plastic slips which help panel to move in the aluminium guide.

Installation of cabin door



we placed the cabin mecahnism in the cabin wth cabin supports and we fix these with use DIN 6921 M10X20.

Then we put panel and protective apron with same way as landing door



Control Card AUDO.100

General description

AUDO.100 is controller of the automatic lift door of Kalliotis company. Powered by a transformer 230V AC-24V AC, or lead battery 24V DC/1.5Ah. Leads DC motor 24V/100W, which is connected to the automatic door. The engine has an encoder, thus eliminating the need for switches above the door. Suffice it to automatically learn door the endpoints of the path. The door used same electronic switch and bar magnet for floor and emergency open

AUDO.100 has short circuit protection systems both in transformer , and the battery. Also available buttons and 7-segment indicators (7-segment displays) for programming, buzzer (buzzer) for alarms and status LED for visual alerts. Additional features include LED for monitoring supply voltages and LED for easy monitoring of status of inputs and outputs.

AUDO100 counts continuously monitors the voltage via the transformer, the battery voltage, the voltage and current of the motor, and the encoder 5V and the central processing unit (CPU). It also features automatic switching from grid to battery when the network is lost, the battery charger and systems to protect the battery from overcharging and excessive discharging. There is also button reset, restart the program for the CPU.
The programming menu board is simple, easy to use and contains all the basic parameters must be configured for proper operation of the door. Programming is done via the four buttons and two 7-segment indicators located on the PCB. Finally, all the signals on board the terminals are distinct and reflect what kind of signal it is. All names of the terminals at the bottom of the board have been named (eg KL1) on the left, while the upper part is the name of the signals (e.g. NO, +5 V, etc).

Electrical data	
Supply Voltage	20-24V AC
Motor voltage	24V DC
Max motor power	100W (0.134HP)
Max current	5A
Voltage battery	24V
Max load battery	1.5Ah
Encoder supply:	5V

Input	
Name	
Z electrical floor switch PHO photocell-photocurtain	1*
OPEN COMMAND CLOSE COMMAND	2**

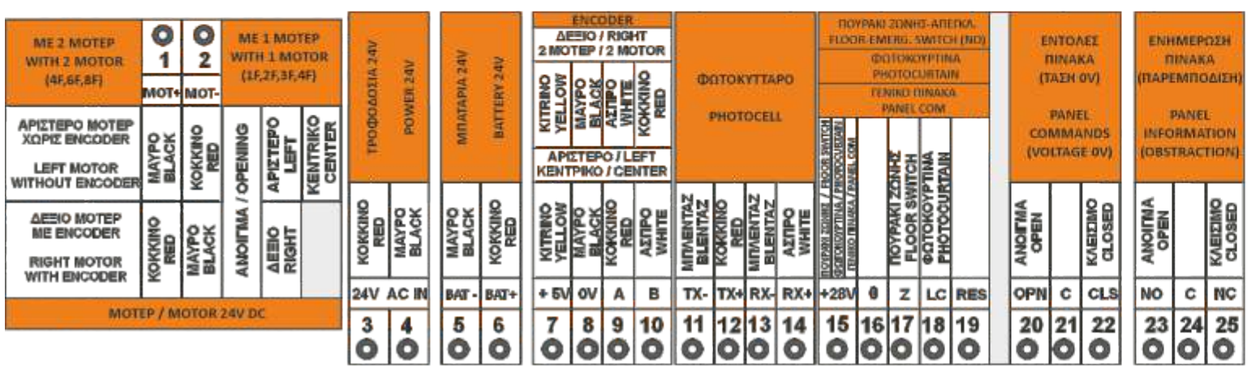
*1: Digital input for contacts .Voltage in input is +24V DC or 0V.

**2: Digital input with voltage(a) or with contacts(b)
α: Voltage input is +24V DC or 0V.
β: Contacts without voltage

Output	
Name	ΤΥΠΟΣ
Obstruction	Contact Relay

Contacts resistances: 3A in 250V AC or 30V DC

Control Car



Panel commands
- Two commands(open-close): We connect from panel open command to open(20), close command to close(22) and com to +28V(15) . We choice in menu of control card U4:01(Standar regulation).
- One command (Open): We connect from panel open command to open(20) and com to +28V(15) . We choice in menu of control card U4:02
- One command(Close): We connect from panel open command to open(22) and com to +28V(15) .

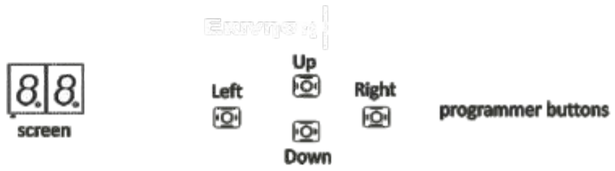
We choice in menu of control card U4:02

Electronic switch floor - emergency open NO.

We use the same for floor and emergency open. We connect one cable to +28V(15) and other to Z(17).
- ***Photocell. (U9:00).*** Connect transmitter(TX+,TX-) and receiver (RX+,RX-).
- ***Photocurtain. (U9:01) .*** Connect to +28V(15) and LC(18).

Reminder
- Panel commands without voltage
- Without electronic switch NO you can't start door. if you haven't make a bridge between +28V and Z.
- Without photocell and photocurtain you cant' start door. If you haven't go to U9 and choose 02 or make bridge between +28V and PHO

Starter



In control card used 4 button to programmer doors and 7 segment displays(screen).

Programming Door

Buttons: With up-down buttons we choose parameters of door. With right button enter parameters and with left espape. If we have make a change in parameters we put right button to enter new parameters and the put left button to go out of menu. If we are out o menu and we want to in we put down button. With reset button re-start control card.After reset door will be ready to take commands from panel

Step 1. Auto-learning
1) Put up and go to E 4) Παταμε το δεξι για επικυρωση και η πορτα ξεκιναει την εκμαθηση / Put right for enter and door start auto-learning

Step 2. Regulation door with manual commands
1)Put down and go to AU 2) Put right 3)Put up and choose 01 4) Put right for enter 5) Put left to escape 6) Put right or left door open-close manual.
7) Control doo rparameters .If it is good for us we continue in step 4. If it is not good fro us go to step 3

Step 3 regulation parameters
1)Put up or down and go to parameter 2) Put right to in parameter 3) Put up or down and change parameter 4) Put right for enter. 5) Put left if we wnat to putout of menu or up-down if we wnat to choose and other parameter

Step 4 panel commands- start door
1)Put up or down and go to AU 2) Put right 3) Put down and choose 01 4) Put right for enter 5) Put left to escape and go out from menu and see on screen version of program. 6) Now door work with panel commands and door is ready for use.

Extra Control Card:
An extra optional control card can be installed on the main control card. It will inform the control panel of the elevator that the doors are completely open or closed. The power source of this card is the main control card of the doors.

Falses

F1	Electricity go down	F4	Batteries subloading
F2	Batteries out of connection.	F5	Motor out of connect
F3	Batteries overloading	F6	Problem with electric switch of floor-emergency open

Parameters

1) **AU:** Choose command from panel or manula commands. 00 Commands from panel - 01 manual commands
2) **E:** Autolearning
3)**U4:** Panel commands open-close. 01 two commands open-close, 02 one command open, 00 one command close
4) **U5:** Load default parameters
5) **U6:** Door type. 01 Telescopic, 02 center, 03 two motors

Programming

Γενικο μενου/ General menu	2Φ Τηλ/2F Tel	2Φ Κεν/2F Cen	2 Motor
U1: Μεγιστη ταχυτητα ανοιγματος/Max open speed	55	50	
U2: Μεγιστη ταχυτητα κλεισιματος/Max close speed	15	15	
U3:Ευαισθησια εμποδισης/Obstruction sensitivity	65	65	
U6:Ειδος πορτας/Door type	01	02	03
U7:Ταχυτητα εμποδισης/Obstruction speed	30	30	
U8:Ταχυ. αυτομ/μου-εκμαθησης/Autolearning-emergency speed	30	30	

U4: Εντολες πινακα/Panel commands	Open Close:01	Open:02	Close:00
U9:Φωτοκυτταρο-Φωτοκουρτινα/Photocell-Photocurtain	Φωτ/ρο-Ph/cell:00	Φωτ/να-Ph/curtain:01	Χωρις-Without:02

Μενου ανοιγματος/Open menu	2Φ Τηλ/2F Tel	2Φ Κεν/2F Cen
O1: Αργη ταχυτητα εκκινησης/Slow speed starting	18	12
O2: Ρυθμος επιταχυνσης προς τη μεγιστη ταχυτητα κατα την εκκινηση/Acceleration rhythm to max open speed at start	55	30
O3: Αποστ. αργης ταχυτ. κατα την εκκινηση/Distance slow speed at start	33	70
O4: Αποστ. αργης ταχυτ. κατα το σταματημα/Distance slow speed at stop	24	50
O5:Ρυθμος επιταχυνσης προς την αργη ταχυτητα κατα το σταματημα/Acceleration rhythm to slow speed at stop	55	40
O6:Τελικη ταχυτητα σταματηματος/Final speed at stop	22	22

Μενου κλεισιματος/Close menu	2Φ Τηλ/2F Tel	2Φ Κεν/2F Cen
C1: Αργη ταχυτητα εκκινησης/Slow speed starting	10	15
C2: Ρυθμος επιταχυνσης προς τη μεγιστη ταχυτητα κατα την εκκινηση/Acceleration rhythm to max open speed at start	10	15
C3:Αποστη. αργης ταχυτ. κατα την εκκινηση/Distance slow speed at start	15	20
C4:Αποστη. αργης ταχυτ. κατα το σταματημα/Distance slow speed at stop	33	33
C5:Ρυθμος επιταχυνσης προς την αργη ταχυτητα κατα το σταματημα/Acceleration rhythm to slow speed at stop	17	17
C6:Τελικη ταχυτητα σταματηματος/Final speed at stop	5	5

Kalliotis Lift
Doors + Cabins

Εργοστάσιο - Έδρα
ΒΙ.ΠΕ Θέρμης
17 χλμ Θεσσαλονίκης - Πολυγύρου (Ν.Ραιδεστός)
Τ.Κ 57001, Τ.Θ 60640
T: 2310466454 F: 2310466533
e-mail:kalliotislift@yahoo.com

Εξυπηρέτηση πελατών Αθήνας
M:6937349944

Factory - Head office
IN.AR Thermis
17 klm Thessalonikis - Poligirou (N. Redestos)
P.C 57001, PO Box 60640
T: +302310466454 F: +302310466533
e-mail:kalliotislift@yahoo.com

Customers service in Athens
M:+306937349944

www.kalliotis.gr

kalliotislift@yahoo.com