

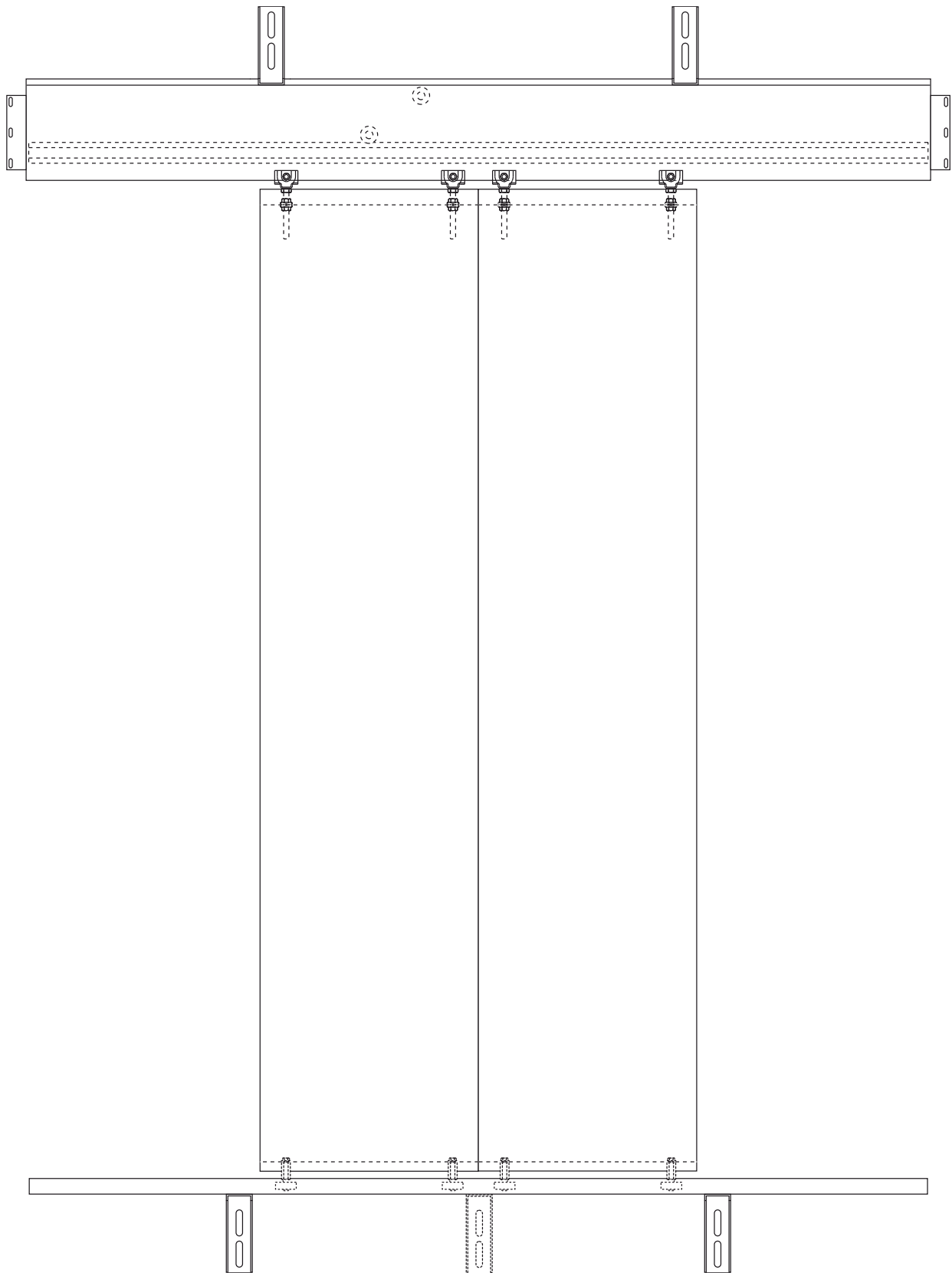
## 12. Doors and special complements for modernization :

- 12.1. 2 Panels centre parting landing door (landing door without frames, for modernization).
- 12.2. 4 Panels centre parting car door, VVVF model (with automatic landing door and flush sill of 70mm).
- 12.3. 4 Panels centre parting car door, VVVF 40/10 model (CO 700, with hinged semi-automatic landing door and flush sill of 70mm).
- 12.4. 4 Panels centre parting car door, VVVF 40/10 model (CO 700, with hinged semi-automatic landing door and flush sill of 80mm).
- 12.5. 4 Panels centre parting landing door, 40/10 model (landing door without frames for modernization).
- 12.6. 4 Panels centre parting landing door, 50/11 model (landing door without frames for modernization).
- 12.7. Assembly detail of centre parting landing doors (landing door without frames for modernization).
- 12.8. Assembling tool of landing door without frames.
- 12.9. 2 Panel side opening car door, VVVF model (with automatic landing door and flush sill of 70mm).
- 12.10. 2 Panel side opening car door, VVVF model (with hinged semi-automatic landing door and flush sill of 70mm).
- 12.11. 2 Panels side opening landing door, 40/10 model (landing door without frames for modernization).
- 12.12. 2 Panels side opening landing door, 50/11 model (landing door without frames for modernization).
- 12.13. Assembly detail of side opening landing doors (landing door without frames for modernization).
- 12.14. Assembling tool of landing door without frames.
- 12.15. 3 Panels side opening car door VVVF 40/10 model (with automatic landing door and flush sill of 90mm).
- 12.16. 3 Panels side opening car door VVVF 40/10 model (with hinged semi-automatic landing door and flush sill of 90mm).
- 12.17. 3 Panels side opening car door VVVF 40/10 model (with hinged semi-automatic landing door and flush sill of 70mm).
- 12.18. Skate for automatic landing doors.
- 12.19. Side acting retractable cam (for all type of side opening car doors).
- 12.20. Inverted retractable cam (for all type of side opening car doors).
- 12.21. Frontal acting retractable cam (for all type of side opening car doors).
- 12.22. VVVF modernization kit.
- 12.23. VVVF modernization kit with retention system.



# Special door for modernization

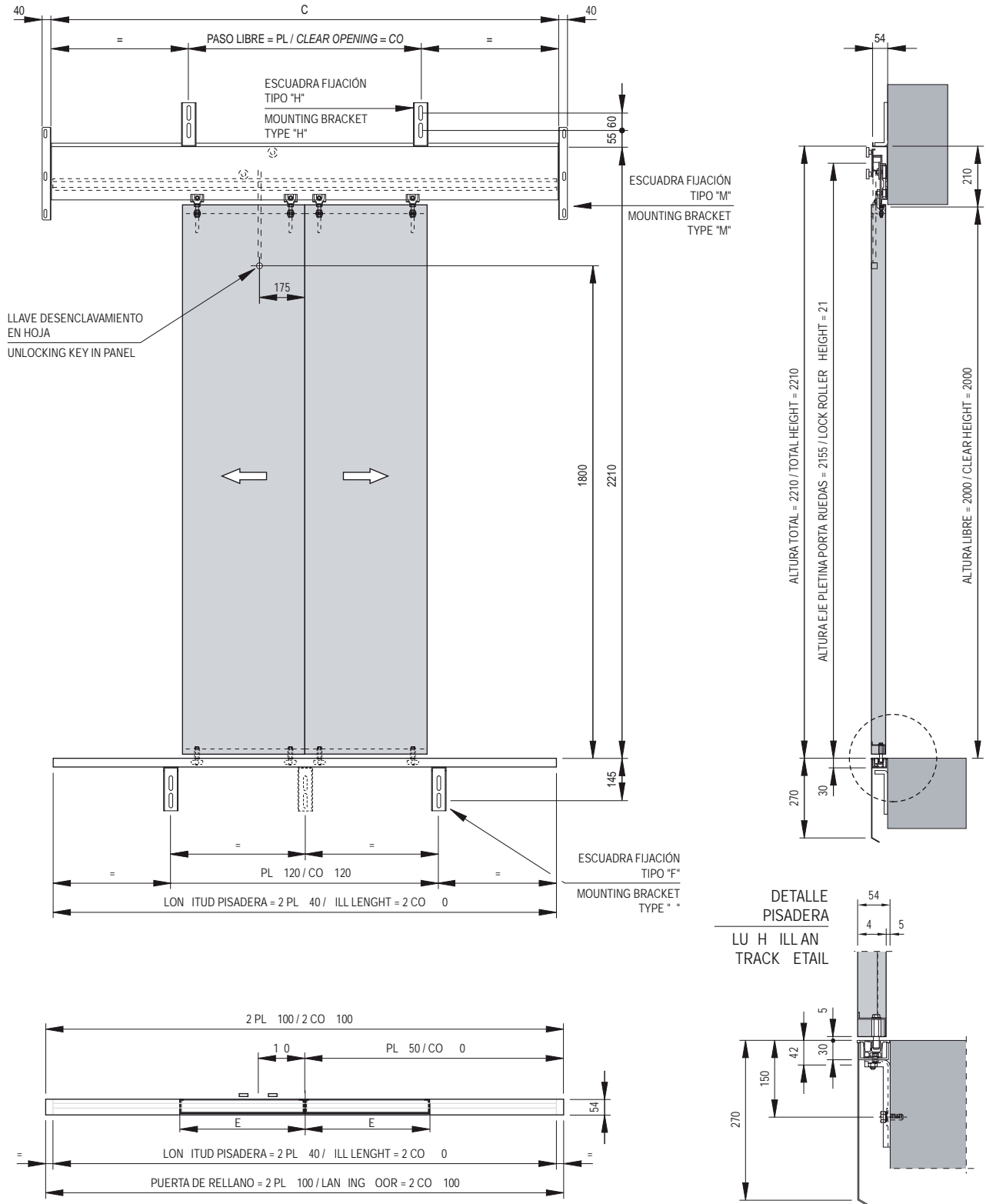
product by Fermator



# 12



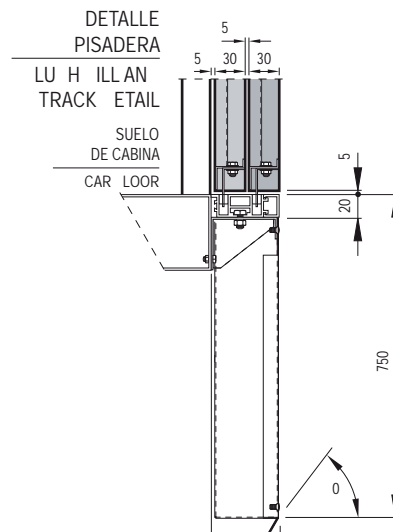
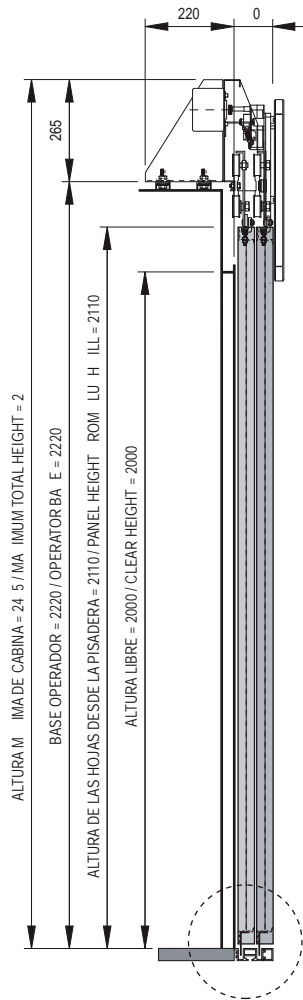
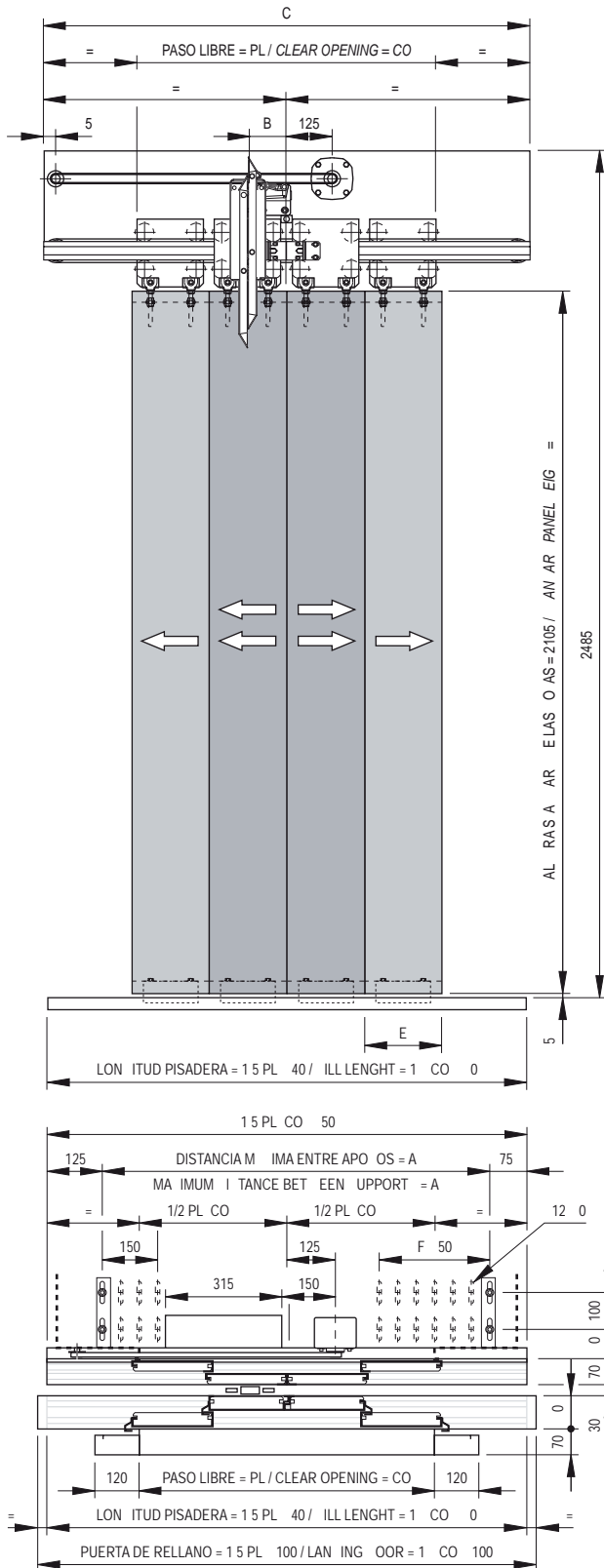
Puerta de rellano sin cerco, especial para reformas  
Landing door without frames, for modernization



Tipo de escuadra Bracket type	Cantidad Quantity	
L	2	2
H	3	5
F	3	5
PL / CO	<= 1000	>= 1100

PL / CO	600	650	700	750	800	850	900	1000	1100	1200	1300	1400	1500	1600
C	1300	1400	1500	1600	1700	1800	1900	2100	2300	2500	2700	2900	3100	3300
E	320	345	370	395	420	445	470	520	570	620	670	720	770	820

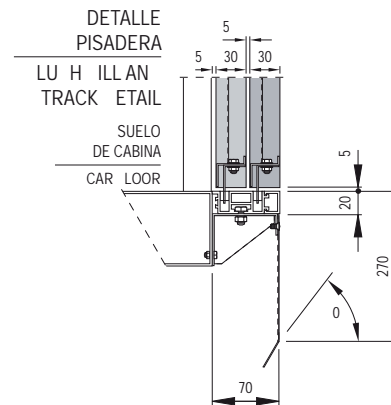
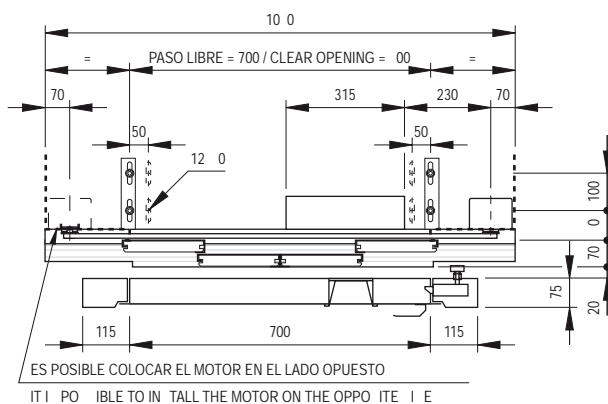
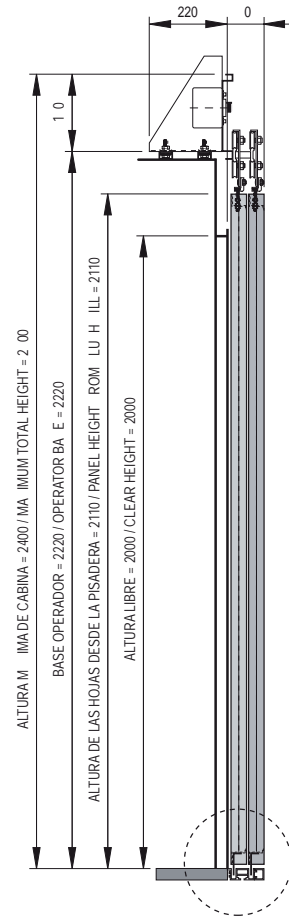
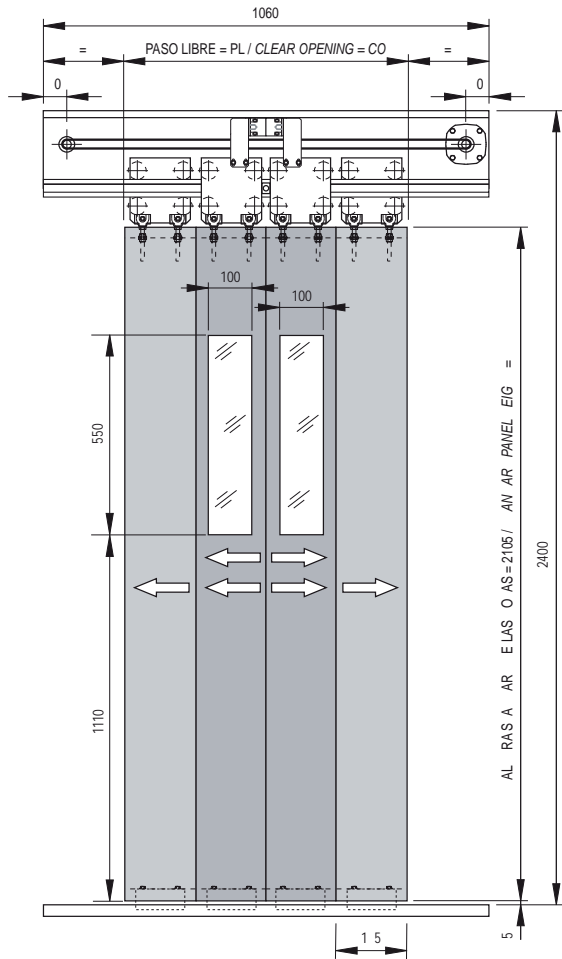
Con puerta de rellano automática y pisadera de 70mm  
With automatic landing door and flush sill of 70mm



PL / CO	600	650	700	750	800	900	1000
A	750	825	900	975	1050	1200	1350
B	100	100	100	100	100	100	160
C	980	1025	1100	1175	1250	1400	1550
E	170	182,5	195	207,5	220	245	270
F	4	4	5	5	6	6	7
TIEMPO / TIME (s)	1,22	1,27	1,32	1,37	1,41	1,5	1,58
PESO / WEIGHT (kg)	61,5	67	72	77	82	92,5	102,5

PL 700, con puerta de rellano semiautomática y pisadera de 70mm  
CO 700, with hinged semi-automatic landing door and flush sill of 70mm

OPCIONAL MIRILLAS PUERTA / OPTION VISION PANEL



ES POSIBLE COLOCAR EL MOTOR EN EL LADO OPUESTO  
IT IS POSSIBLE TO INSTALL THE MOTOR ON THE OPPOSITE SIDE

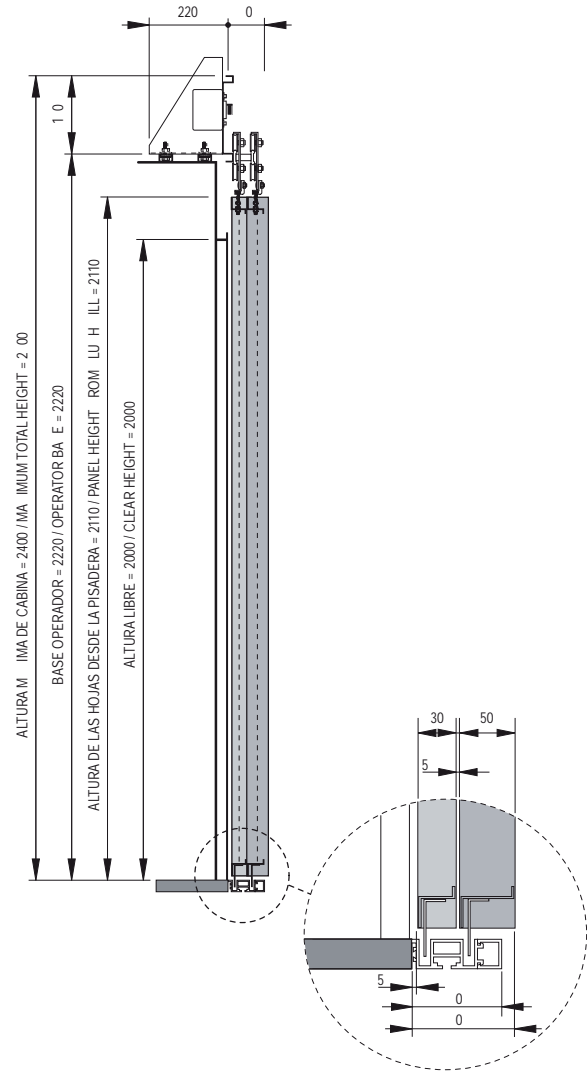
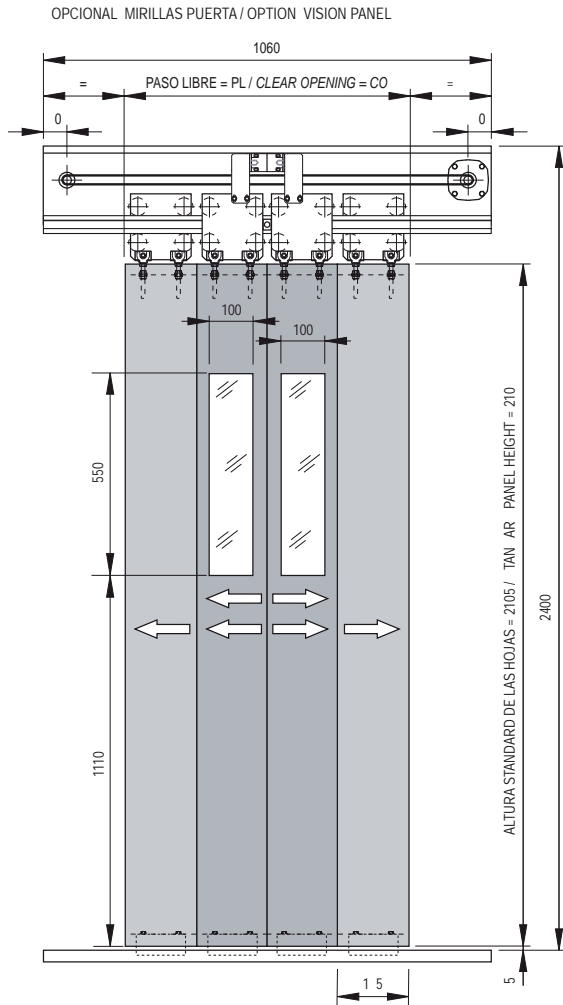
### CARACTERÍSTICAS TÉCNICAS:

- Circuito con regulación de velocidad mediante variación de frecuencia incorporado.
- Accionamiento mediante señal de leva a cualquier tensión desde 12v-24v AC o DC.
- Alimentación 220v. alterna monofásica.
- Velocidad de apertura regulable hasta 1000 mm/s.
- Velocidad de cierre regulable hasta 600 mm/s.
- Esfuerzo contra obstáculo regulable de 4 a 12 Kgs.
- Peso en acabado inox: 60 Kgs.
- Tiempo de apertura aproximado: 1,2s.

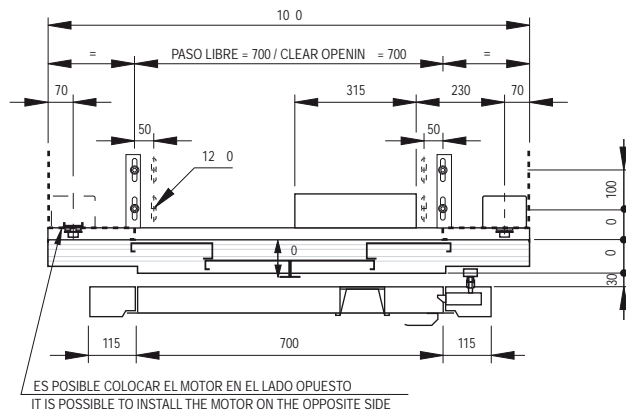
### TECHNICAL CHARACTERISTICS:

- Speed control by variable voltage, variable frequency incorporated.
- Operated by a signal (one or two) of any voltage 12v-24v AC or DC.
- Supply 220v-240v single-phase AC.
- Opening speed adjustable up to 1000 mm/s.
- Closing speed adjustable up to 600 mm/s.
- Closing force against an obstacle adjustable from 4 to 12 Kgs.
- Weight in stainless steel finish: 60 Kgs.
- Approximate opening time: 1,2s.

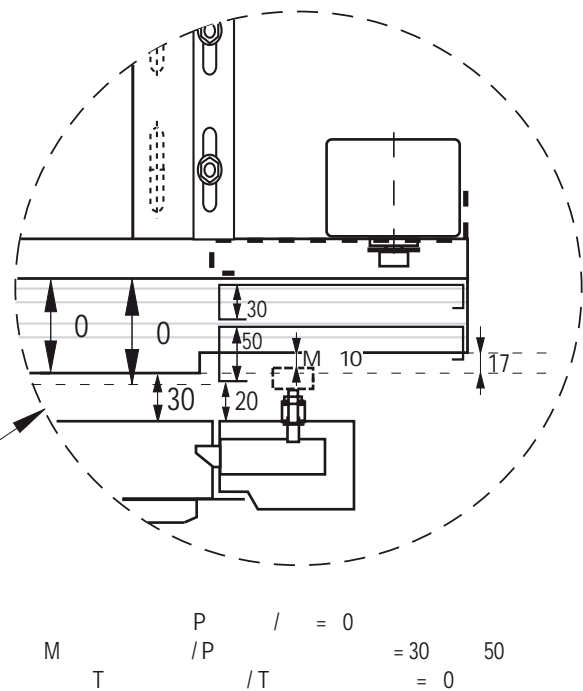
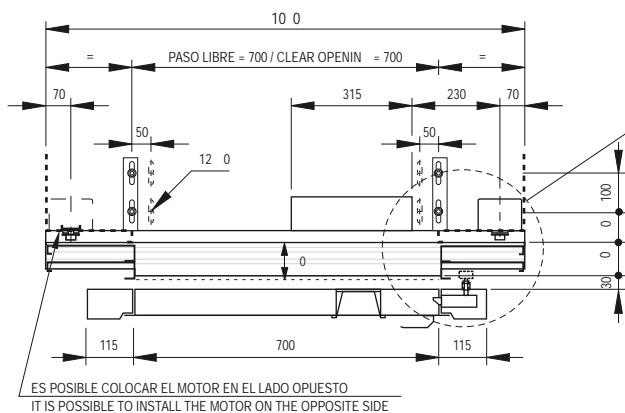
PL 700, con puerta de rellano semiautomática y pisadera de 80mm.  
CO 700, with hinged semi-automatic landing door and flush sill of 80mm.



### PUERTA CERRADA / CLOSED DOOR

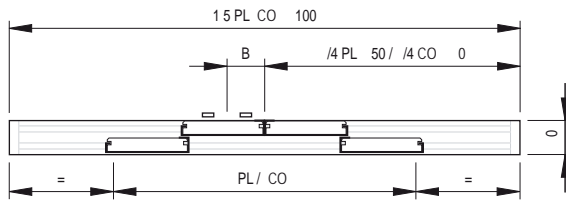
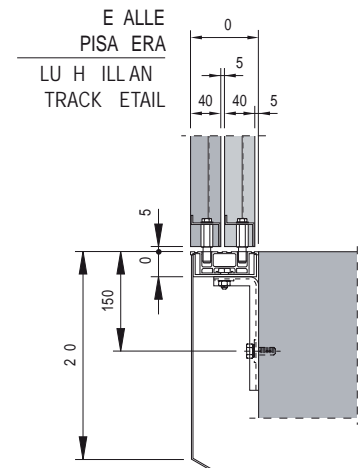
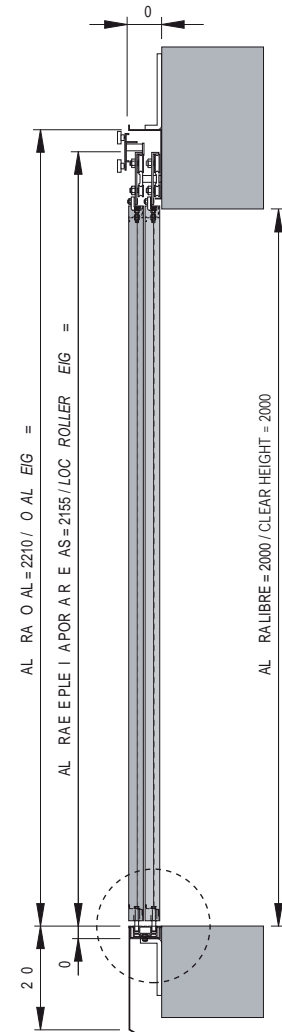
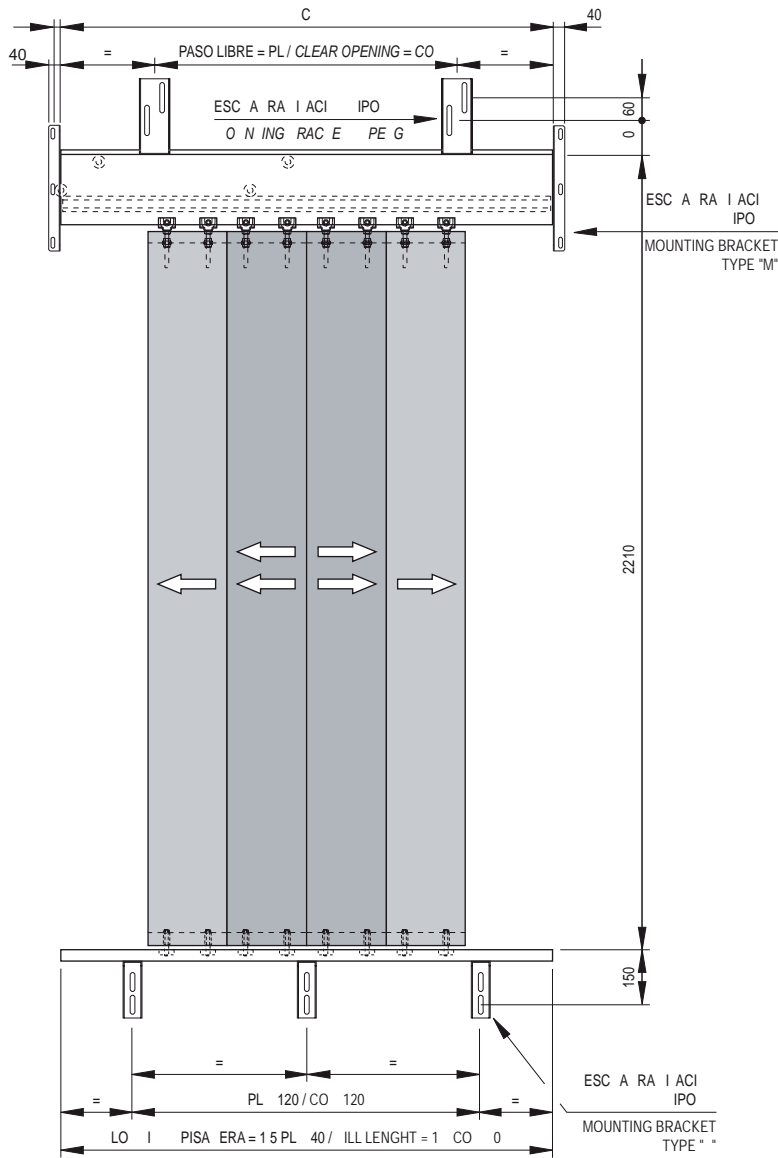


### PUERTA ABIERTA / OPEN DOOR



Puerta de rellano sin cerco, especial para reformas  
Landing door without frames, for modernization

E POSICI EP ER AABIER A ELE CLA A IE O SOBRESALE 40 E PL600 15 E PL 00  
IN OPEN OOR PO I ION E LOC ING E ICE IC O IN CO AN IN CO



PL / CO	600	650	700	750	800	900	1000	1100	1200	1300	1400	1500	1600
B	100	100	100	100	100	100	160	160	160	160	160	160	160
C	1000	1075	1150	1225	1300	1450	1600	1750	1900	2050	2200	2350	2500

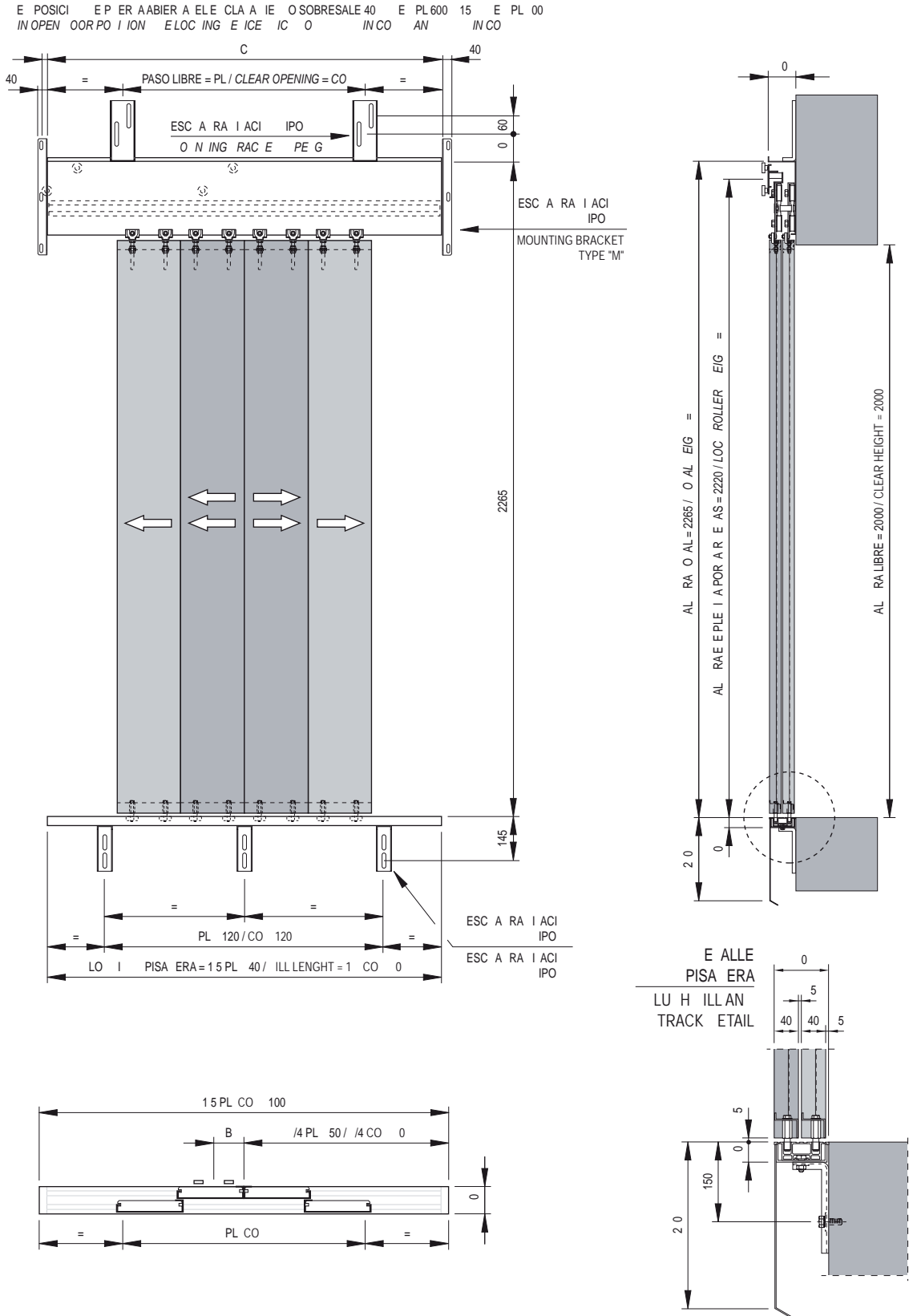
Tipo de escuadra Bracket type	Cantidad Quantity	
L	2	2
G	3	5
F	3	5
PL / CO	$\leq 1000$	$\geq 1100$

# 12.6.

## PUERTA DE RELLANO CENTRAL DE 4 HOJAS 4 PANELS CENTRE PARTING LANDING DOOR

50/11

Puerta de rellano sin cerco, especial para reformas  
Landing door without frames, for modernization



12

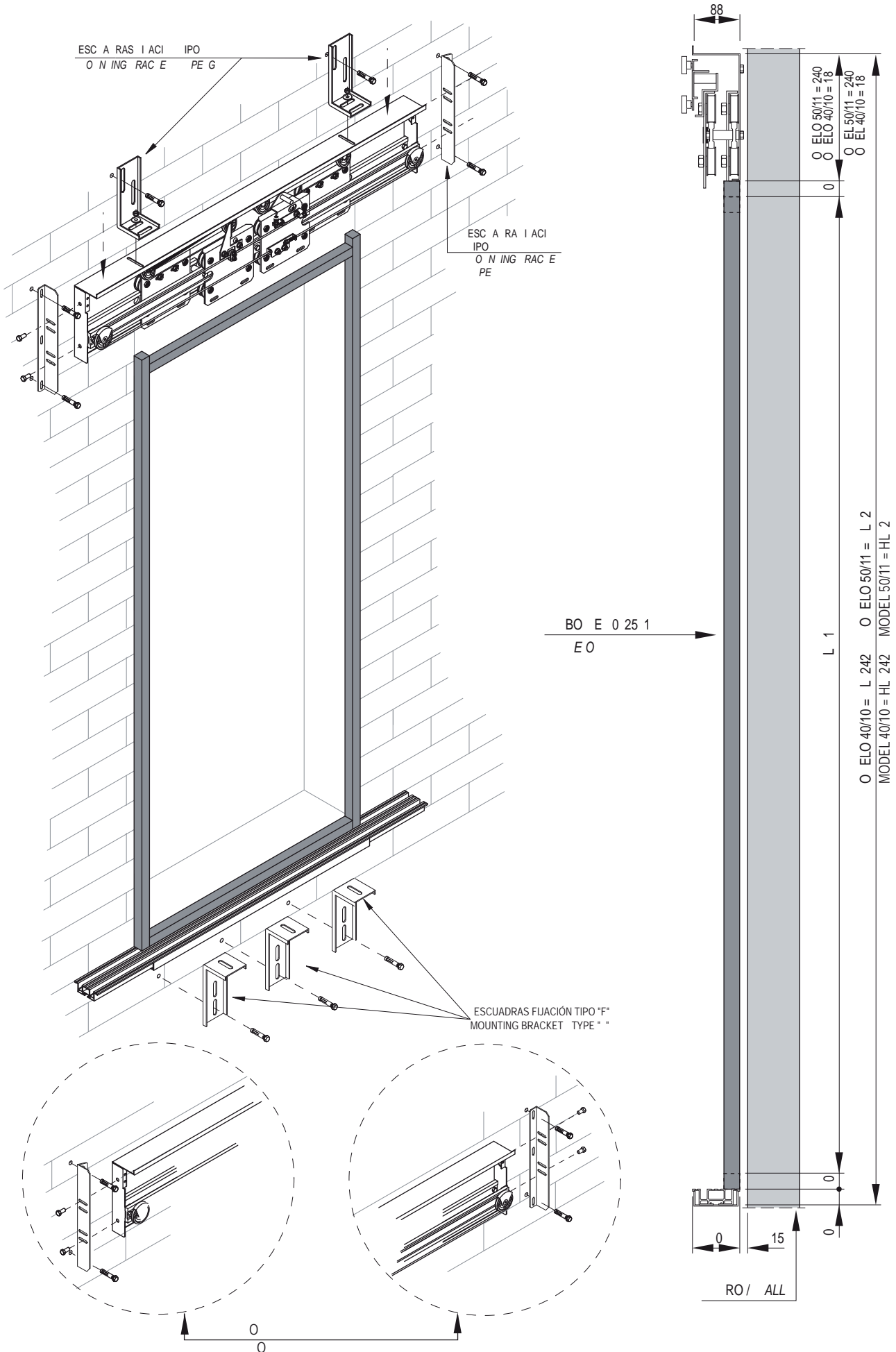
PL / CO	600	650	700	750	800	900	1000	1100	1200	1300	1400	1500	1600
B	100	100	100	100	100	100	160	160	160	160	160	160	160
C	1000	1075	1150	1225	1300	1450	1600	1750	1900	2050	2200	2350	2500

Tipo de escuadra Bracket type	Cantidad Quantity	
L	2	2
G	3	5
F	3	5
PL / CO	≤ 1000	≥ 1100

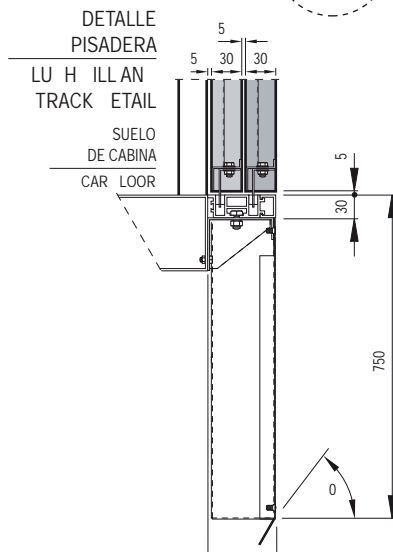
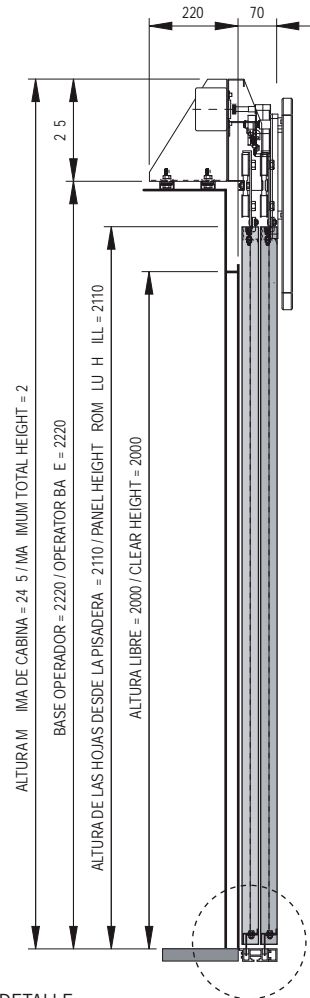
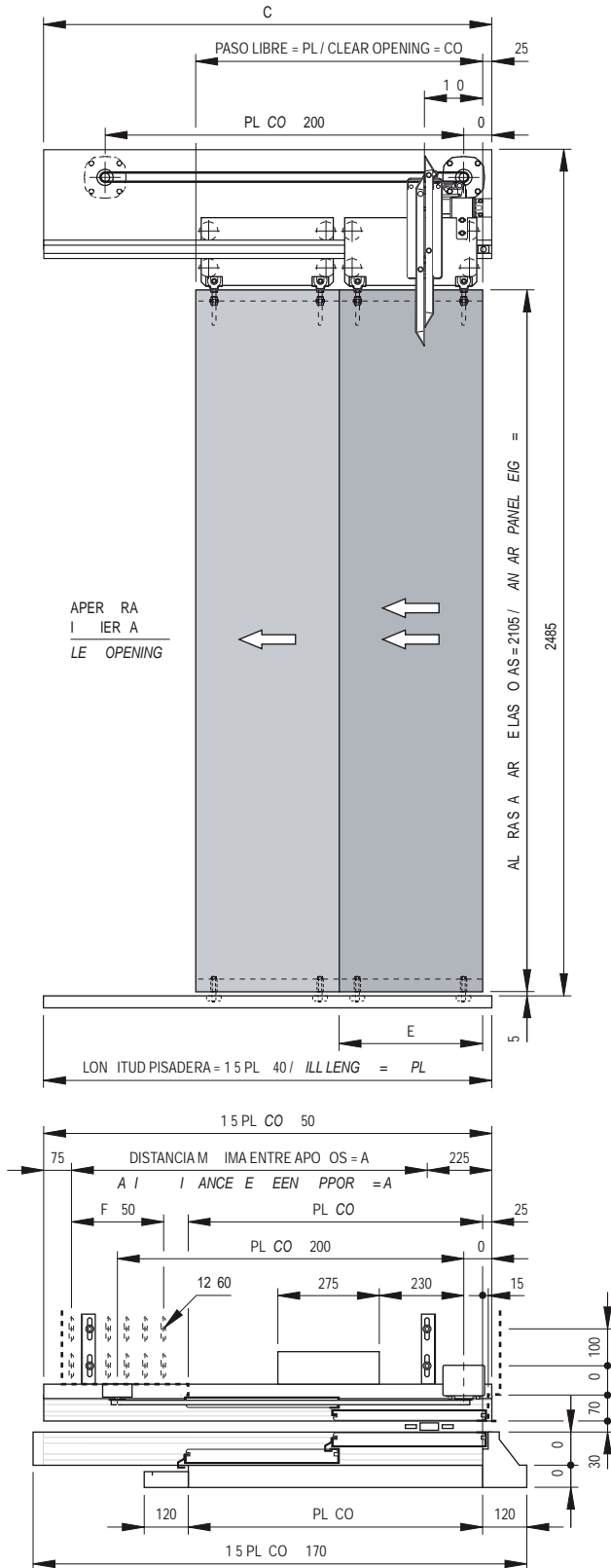


# 12.8.

## ÚTIL DE MONTAJE PUERTAS DE RELLANO SIN CERCO ASSEMBLING TOOL OF LANDING DOOR WITHOUT FRAMES

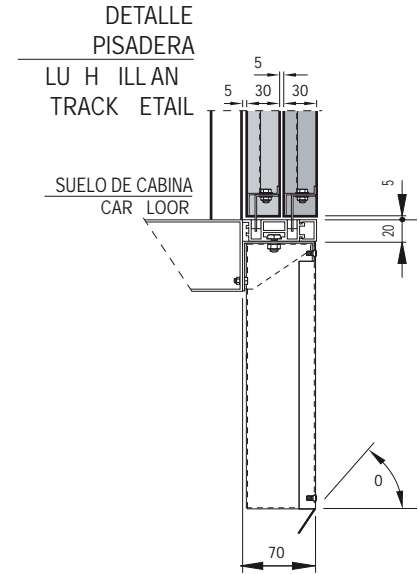
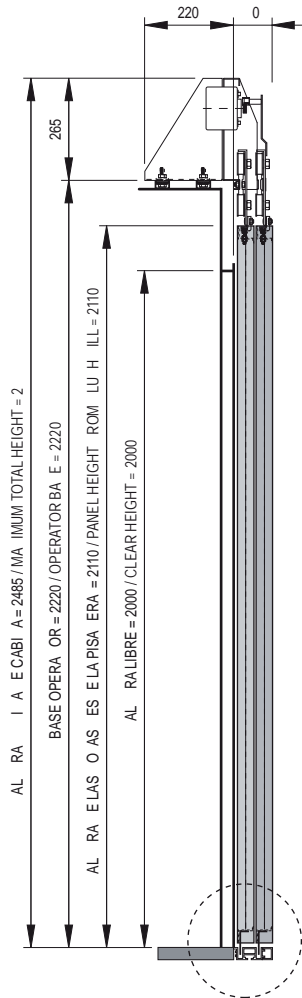
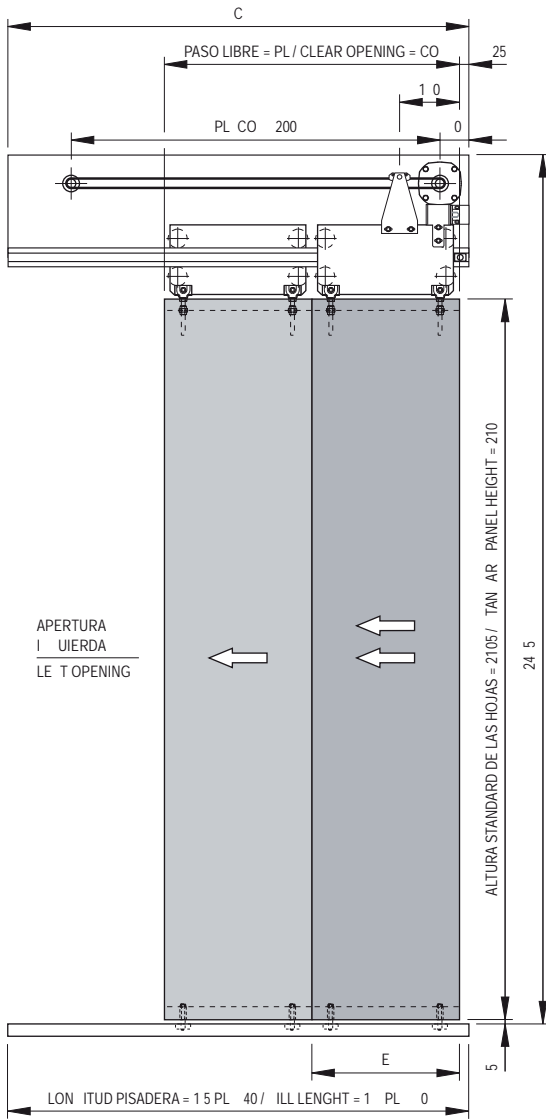


Con puerta de rellano automática y pisadera de 70mm  
With automatic landing door and flush sill of 70mm



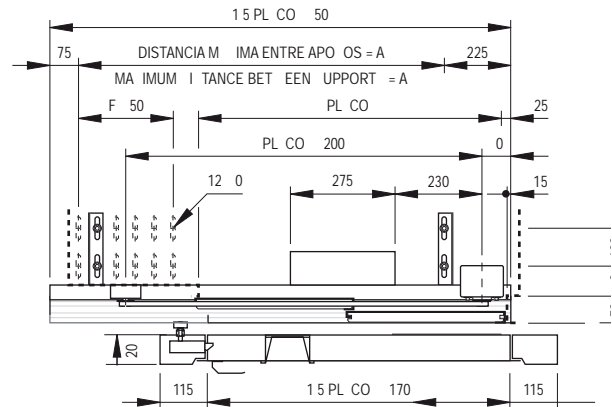
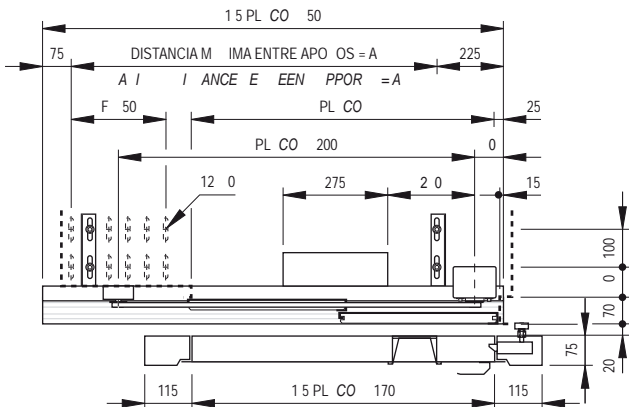
PL / CO	600	650	700	750	800	850	900	1000	1100	1200	1300	1400	1500	1600
A	650	725	800	875	950	1025	1100	1250	1400	1550	1700	1850	2000	2150
C	950	1025	1100	1175	1250	1325	1400	1550	1700	1850	2000	2150	2300	2450
E	320	325	370	395	420	445	470	520	570	620	670	720	770	820
F	4	4	5	5	6	6	6	7	8	8	8	8	9	9
TIEMPO / TIME (s)	1,56	1,62	1,68	1,74	1,8	1,85	1,91	2,01	2,11	2,2	2,3	2,4	2,5	2,6
PESO / TIME (kg)	52,5	57	61,5	66	70	74,5	79	87,5	96,5	105	114	122,5	131,5	140

Con puerta de rellano semiautomática y pisadera de 70mm.  
With hinged semi-automatic landing door and flush sill of 70mm.



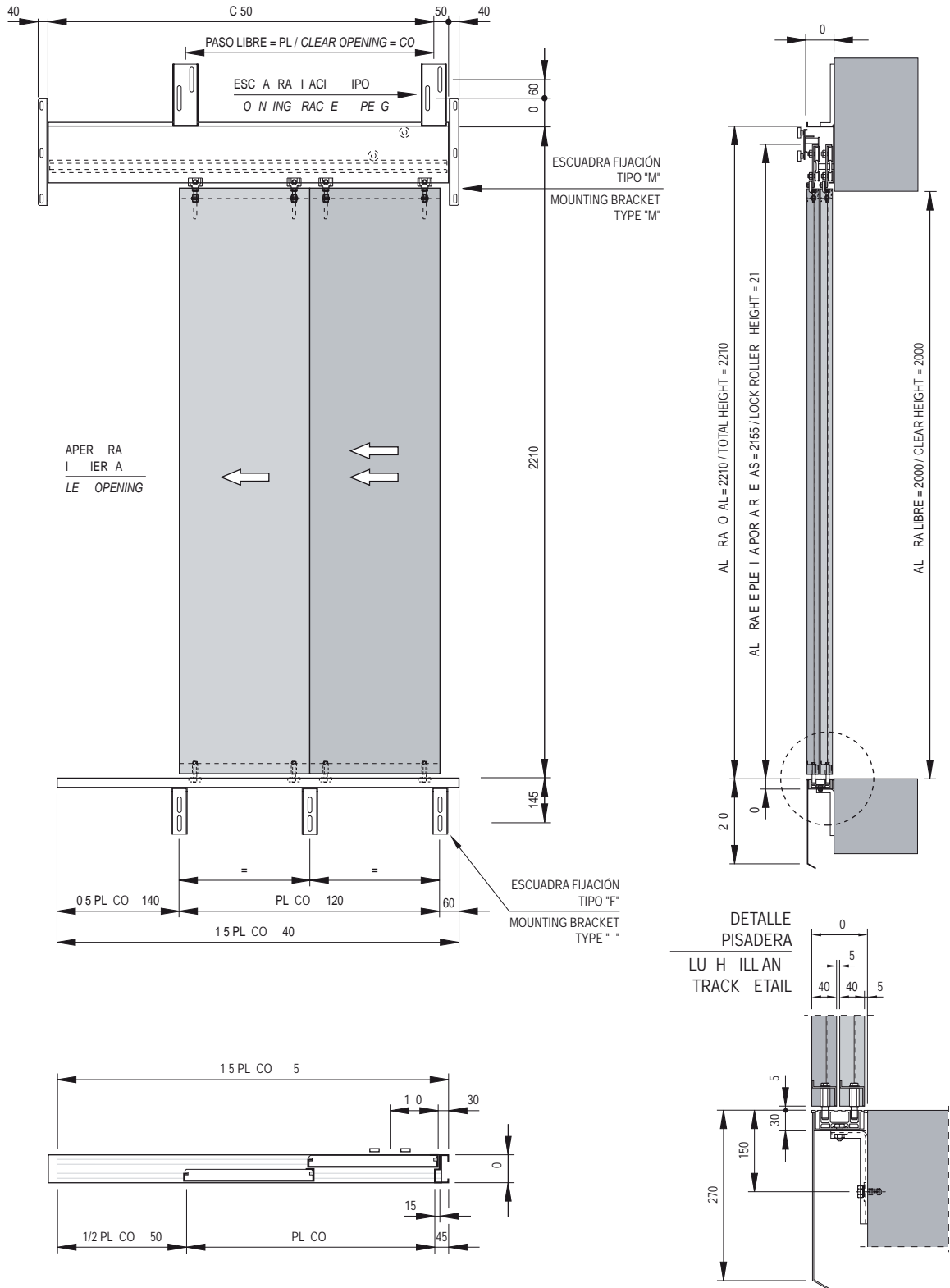
PUERTA CABINA T2H CON SEMIAUTOMÁTICA MISMO SENTIDO DE APERTURA  
T2 CABIN DOOR WITH HINGED LANDING DOOR TO THE SAME OPENING SIDE

PUERTA CABINA T2H CON SEMIAUTOMÁTICA SENTIDO DE APERTURA OPUESTA  
T2 CABIN DOOR WITH HINGED LANDING DOOR TO THE OPPOSITE OPENING SIDE



PL / CO	600	650	700	750	800	850	900	1000	1100	1200	1300	1400	1500	1600
A	650	725	800	875	950	1025	1100	1250	1400	1550	1700	1850	2000	2150
C	950	1025	1100	1175	1250	1325	1400	1550	1700	1850	2000	2150	2300	2450
E	320	325	370	395	420	445	470	520	570	620	670	720	770	820
F	4	4	5	5	6	6	6	7	8	8	8	8	9	9
TIEMPO / TIME (s)	1,56	1,62	1,68	1,74	1,8	1,85	1,91	2,01	2,11	2,2	2,3	2,4	2,5	2,6
PESO / TIME (kg)	52,5	57	61,5	66	70	74,5	79	87,5	96,5	105	114	122,5	131,5	140

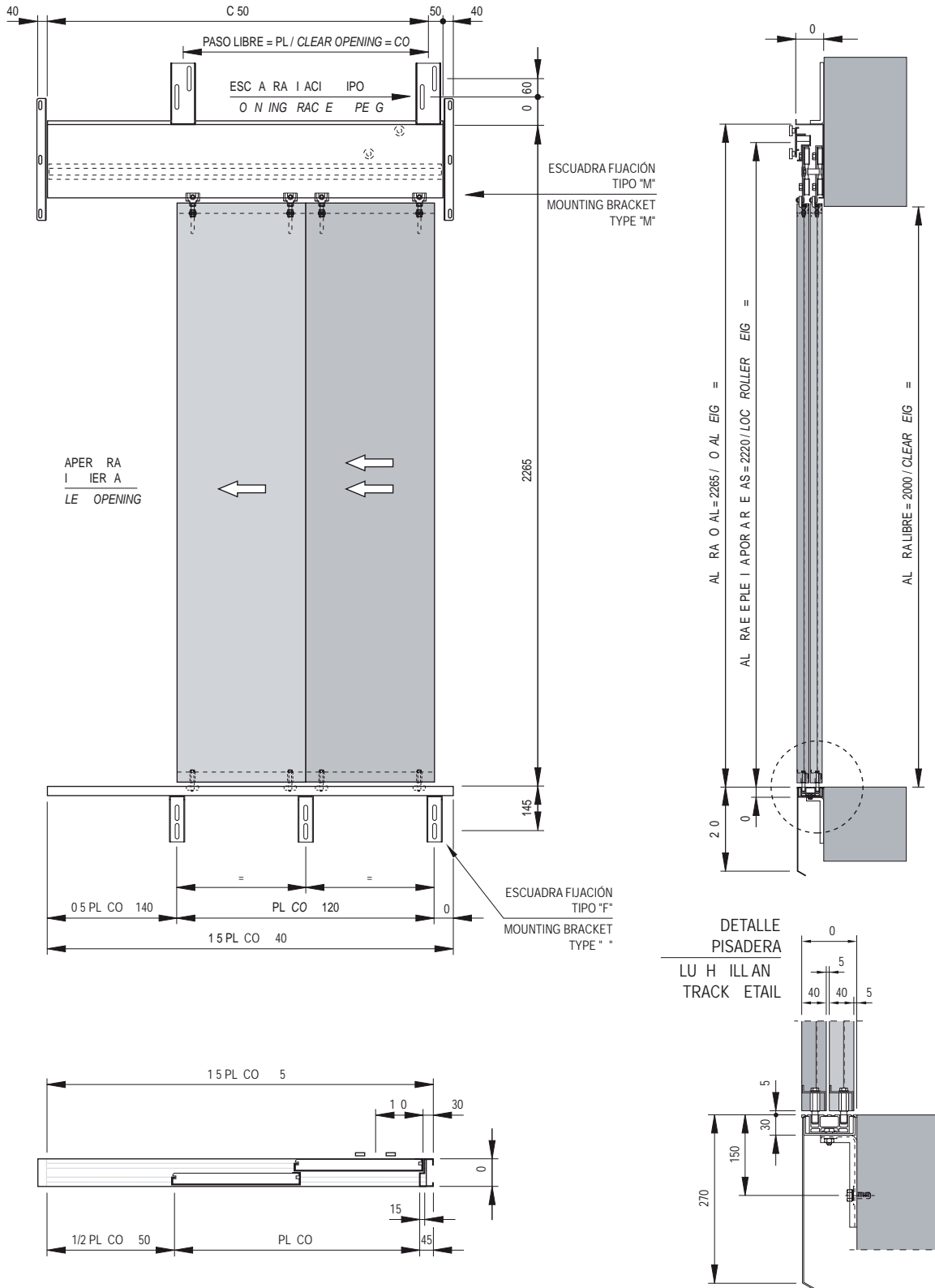
Puerta de rellano sin cerco, especial para reformas  
Landing door without frames, for modernization



PL / CO	600	650	700	750	800	900	1000	1100	1200	1300	1400	1500	1600
C	1000	1075	1150	1225	1300	1450	1600	1750	1900	2050	2200	2350	2500

Tipo de escuadra Bracket type	Cantidad Quantity	
L	2	2
G	3	5
F	3	5
PL / CO	< = 1000	> = 1100

Puerta de rellano sin cerco, especial para reformas  
Landing door without frames, for modernization

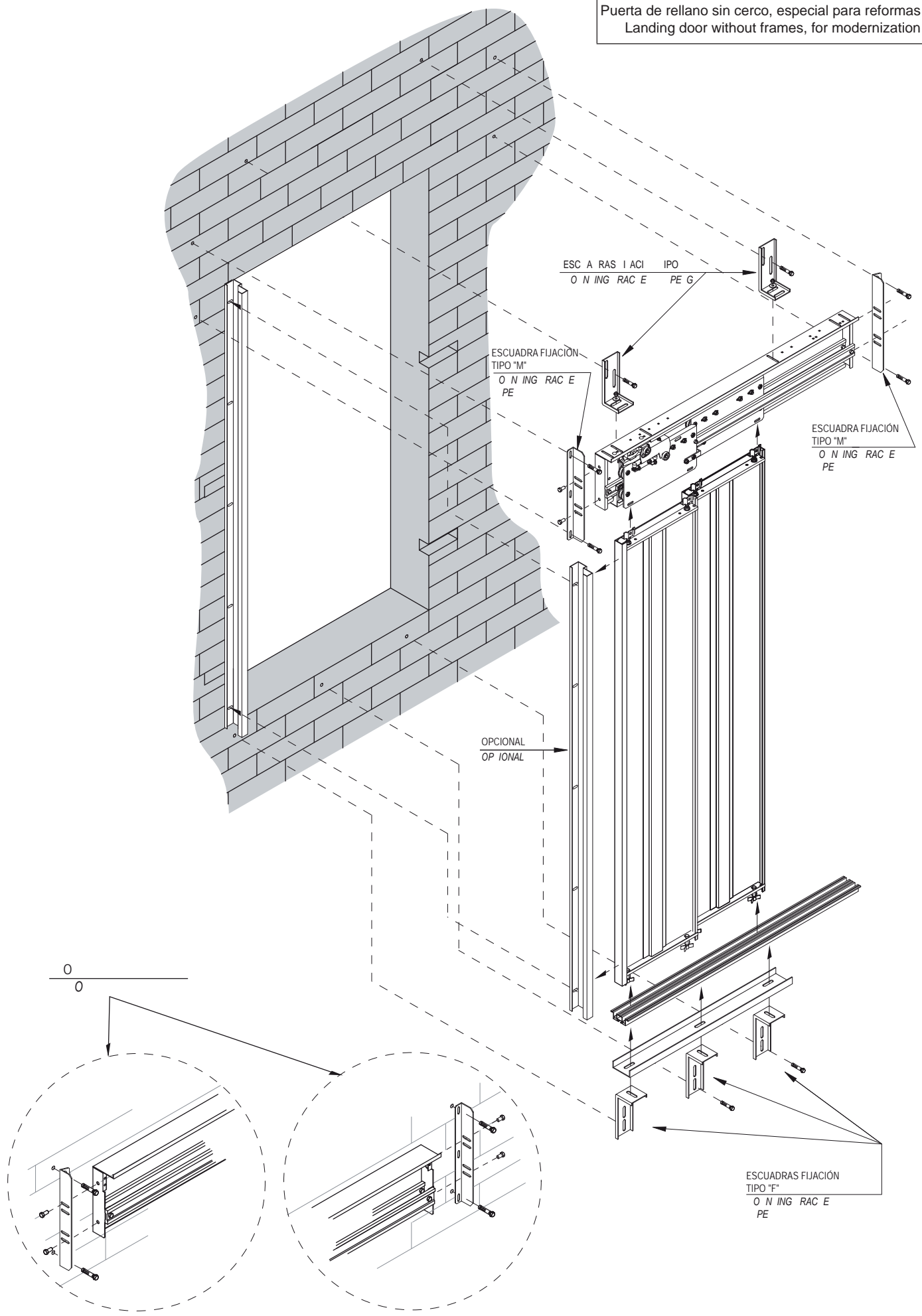


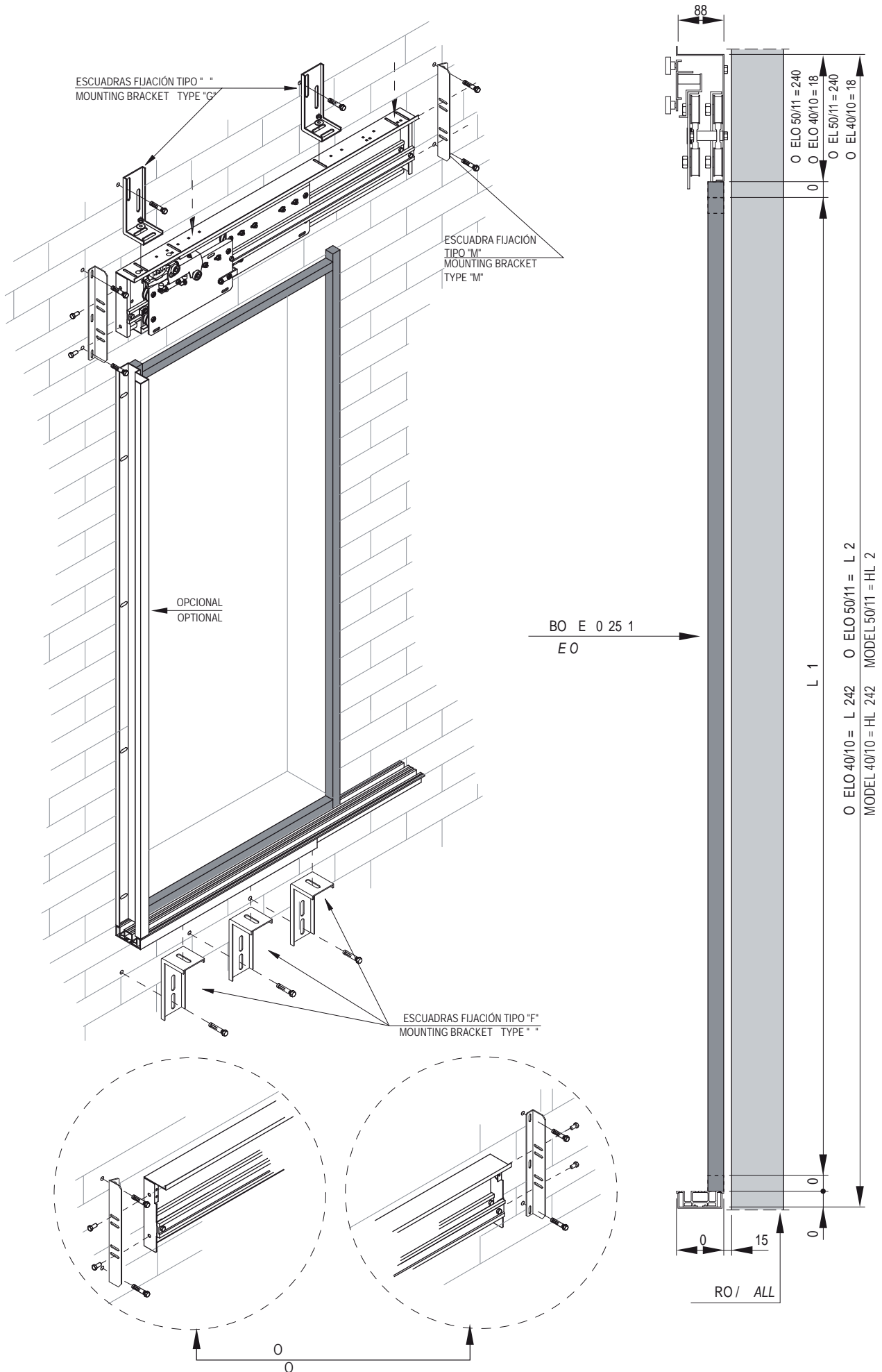
12

PL / CO	600	650	700	750	800	900	1000	1100	1200	1300	1400	1500	1600
C	1000	1075	1150	1225	1300	1450	1600	1750	1900	2050	2200	2350	2500

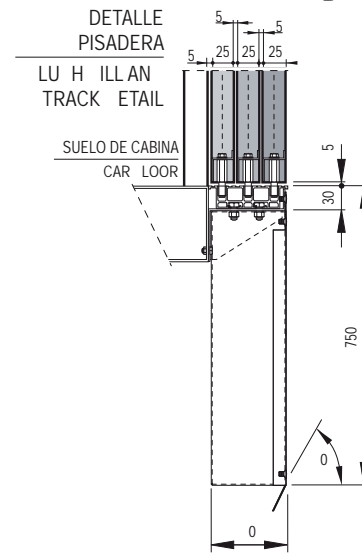
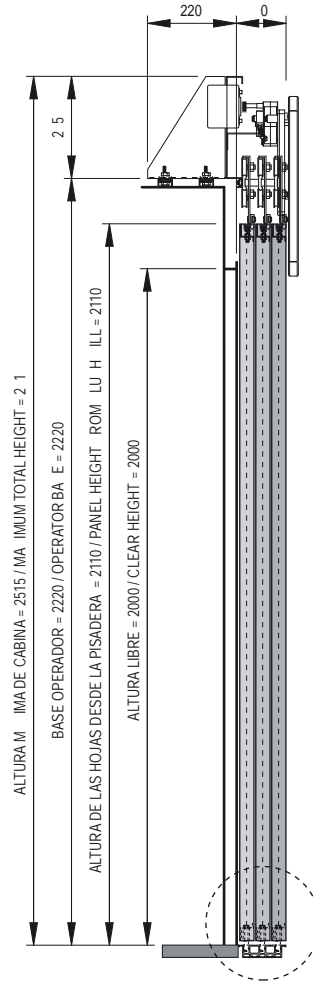
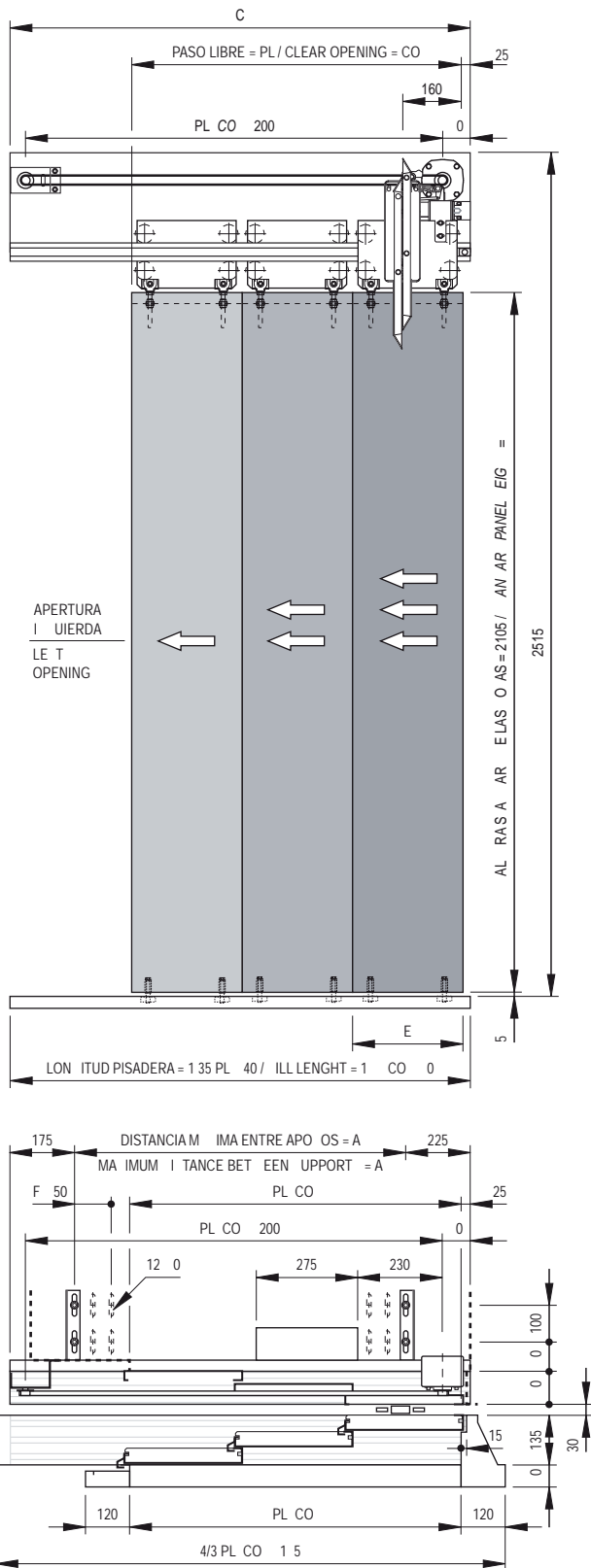
Tipo de escuadra Bracket type	Cantidad Quantity	
L	2	2
G	3	5
F	3	5
PL / CO	< = 1000	> = 1100

Puerta de rellano sin cerco, especial para reformas  
 Landing door without frames, for modernization



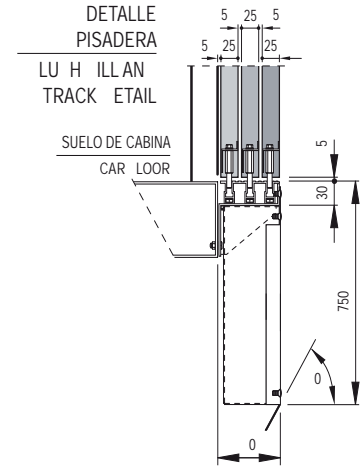
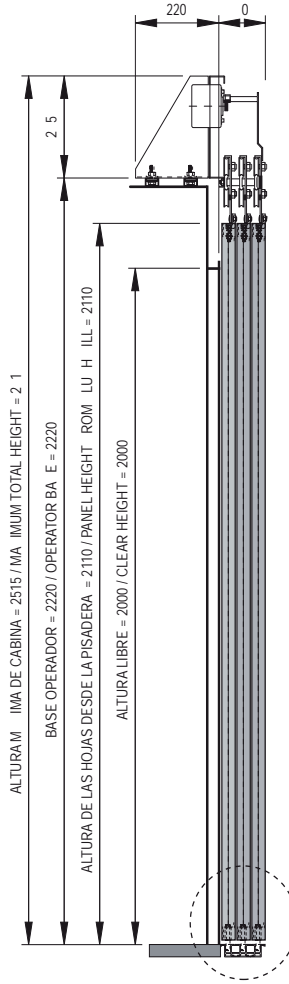
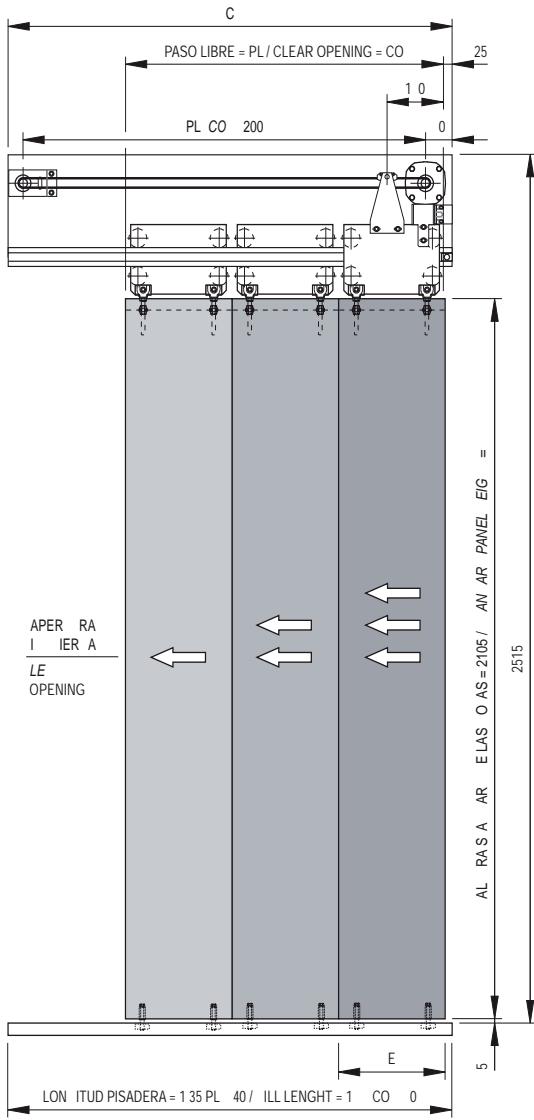


Con puerta de rellano automática y pisadera de 90mm.  
With automatic landing door and flush sill of 90mm.

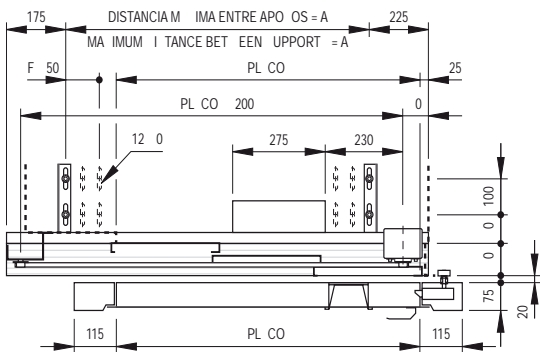


PL / CO	600	650	700	750	800	850	900	1000	1100	1200	1300	1400
A	495	545	595	645	720	795	845	995	1145	1295	1395	1545
C	895	945	995	1045	1120	1195	1245	1395	1545	1695	1795	1945
E	220	235	253	270	285	305	320	353	385	420	453	485
F	4	4	4	4	4	4	4	4	4	5	5	6
TIEMPO / TIME (s)	1,56	1,62	1,68	1,74	1,8	1,85	1,91	2,01	2,11	2,2	2,3	2,4
PESO / TIME (kg)	57	61,5	66	71	75,5	80,5	85	94,5	104	113,5	123	132,5

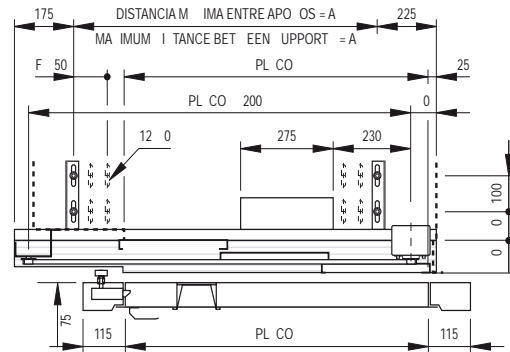
Con puerta de rellano semiautomática y pisadera de 90mm.  
With hinged semi-automatic landing door and flush sill of 90mm.



SEMIAUTOMÁTICA MISMA MANO  
HINGED DOOR WITH SAME SENSE OF OPENING

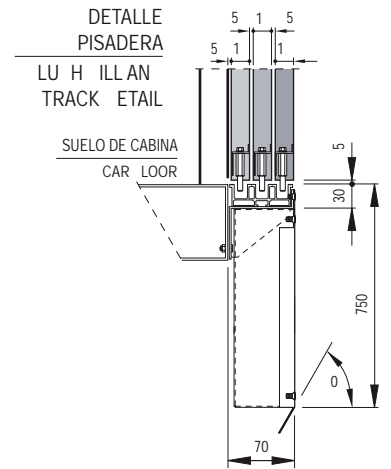
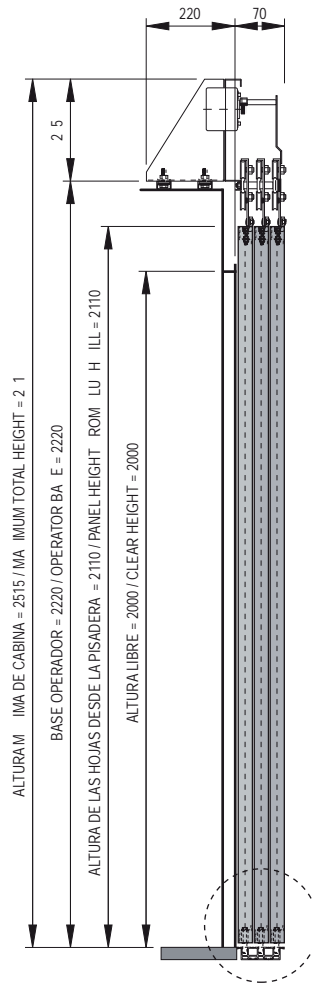
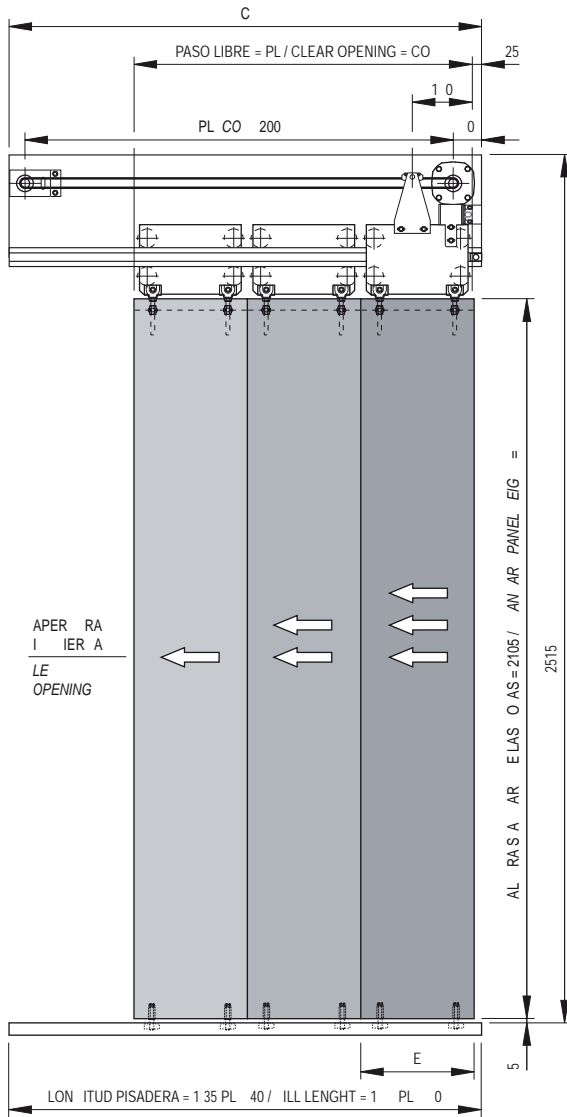


SEMIAUTOMÁTICA CON LADO CONTRARIO  
HINGED DOOR WITH OPPOSITE SENSE OF OPENING

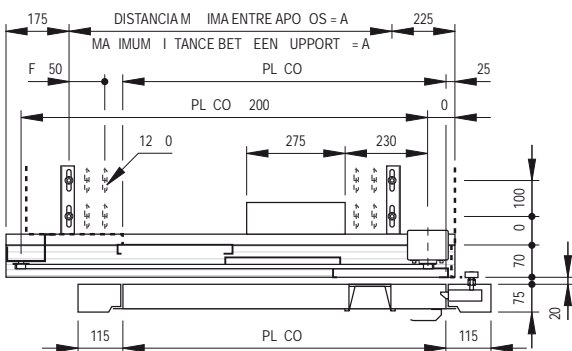


PL / CO	600	650	700	750	800	850	900	1000	1100	1200	1300	1400
A	495	545	595	645	720	795	845	995	1145	1295	1395	1545
C	895	945	995	1045	1120	1195	1245	1395	1545	1695	1795	1945
E	220	235	253	270	285	305	320	353	385	420	453	485
F	4	4	4	4	4	4	4	4	4	5	5	6
TIEMPO / TIME (s)	1,56	1,62	1,68	1,74	1,8	1,85	1,91	2,01	2,11	2,2	2,3	2,4
PESO / TIME (kg)	57	61,5	66	71	75,5	80,5	85	94,5	104	113,5	123	132,5

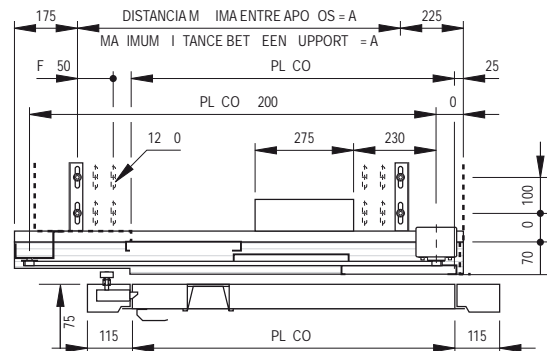
Con puerta de rellano semiautomática y pisadera de 70mm  
With hinged semi-automatic landing door and flush sill of 70mm



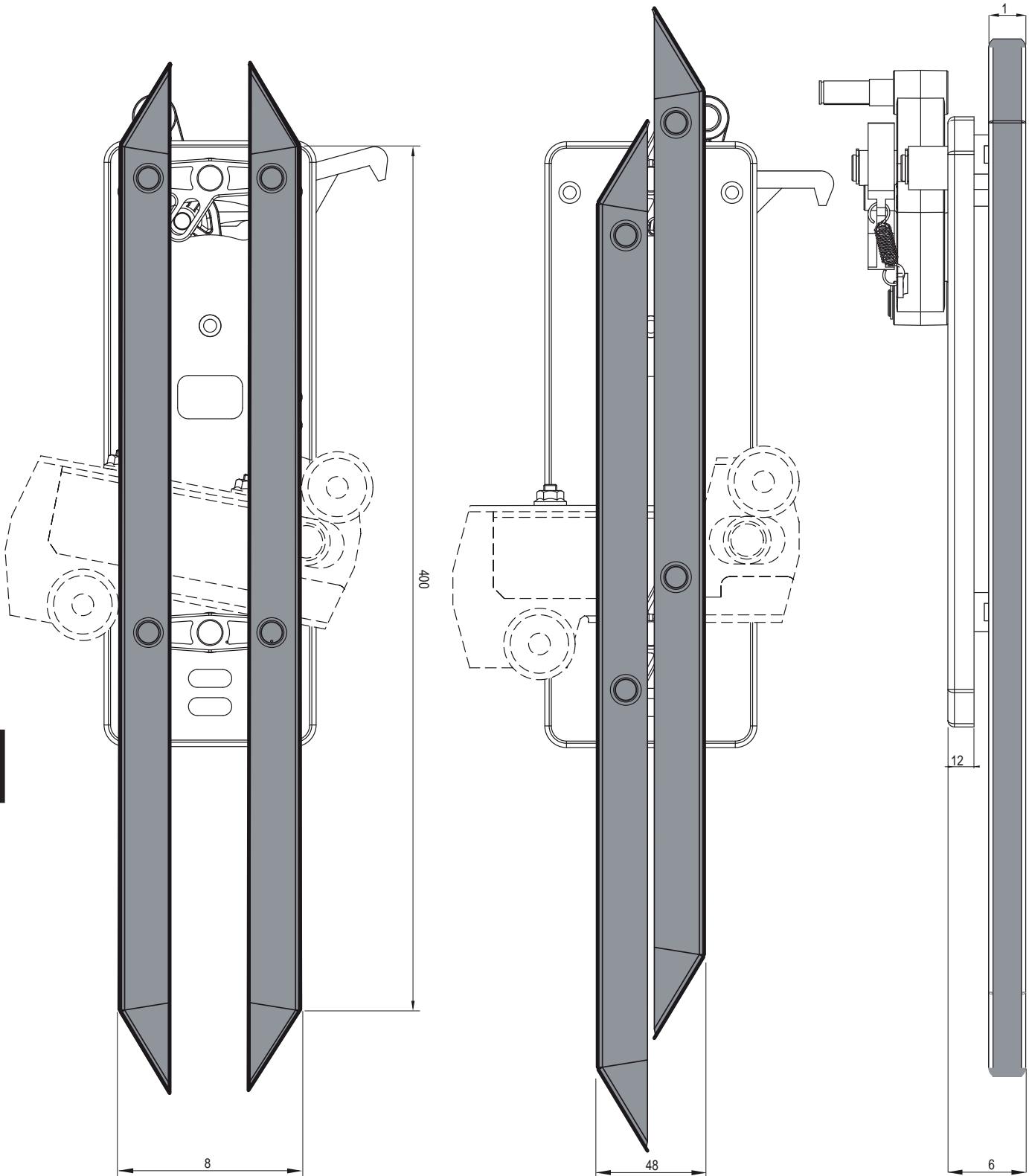
**SEMIAUTOMÁTICA MISMA MANO**  
**HINGED DOOR WITH SAME SENSE OPENING**



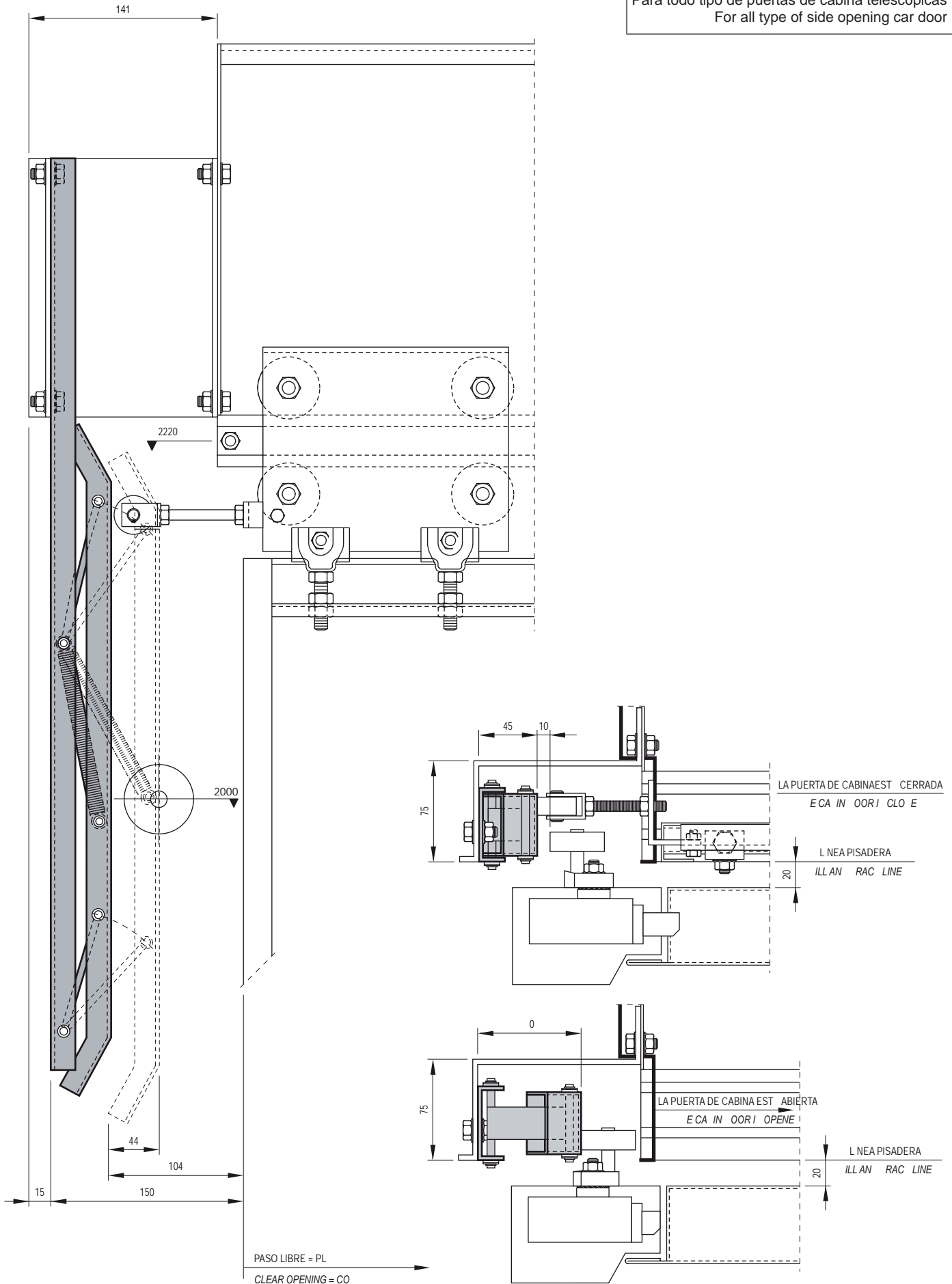
**SEMIAUTOMÁTICA CON LADO CONTRARIO**  
**HINGED DOOR WITH OPPOSITE SENSE OF OPENING**



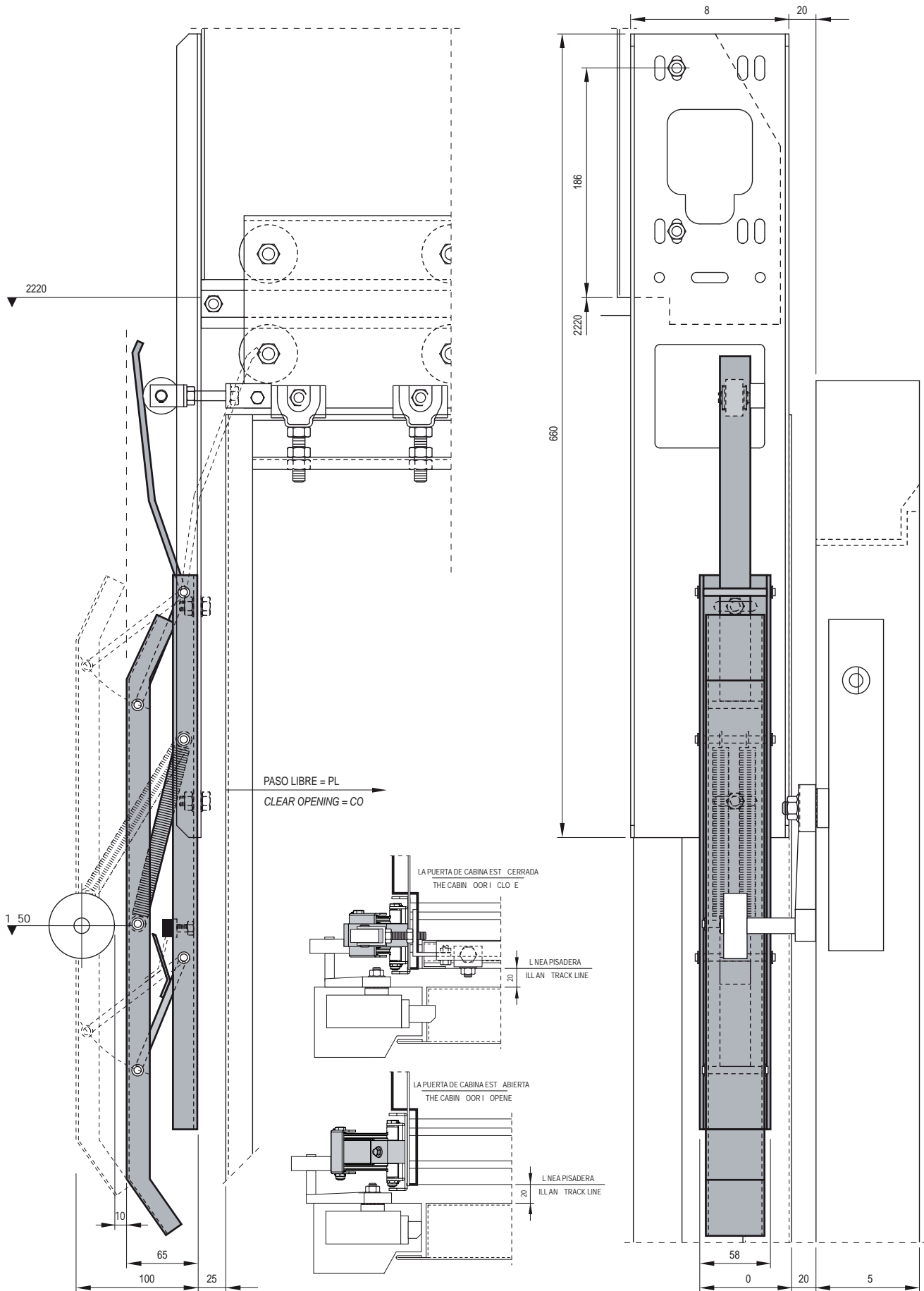
PL / CO	600	650	700	750	800	850	900	1000	1100	1200	1300	1400
<b>A</b>	495	545	595	645	720	795	845	995	1145	1295	1395	1545
<b>C</b>	895	945	995	1045	1120	1195	1245	1395	1545	1695	1795	1945
<b>E</b>	220	235	253	270	285	305	320	353	385	420	453	485
<b>F</b>	4	4	4	4	4	4	4	4	4	5	5	6
<b>TIEMPO / TIME (s)</b>	1,56	1,62	1,68	1,74	1,8	1,85	1,91	2,01	2,11	2,2	2,3	2,4
<b>PESO / TIME (kg)</b>	57	61,5	66	71	75,5	80,5	85	94,5	104	113,5	123	132,5



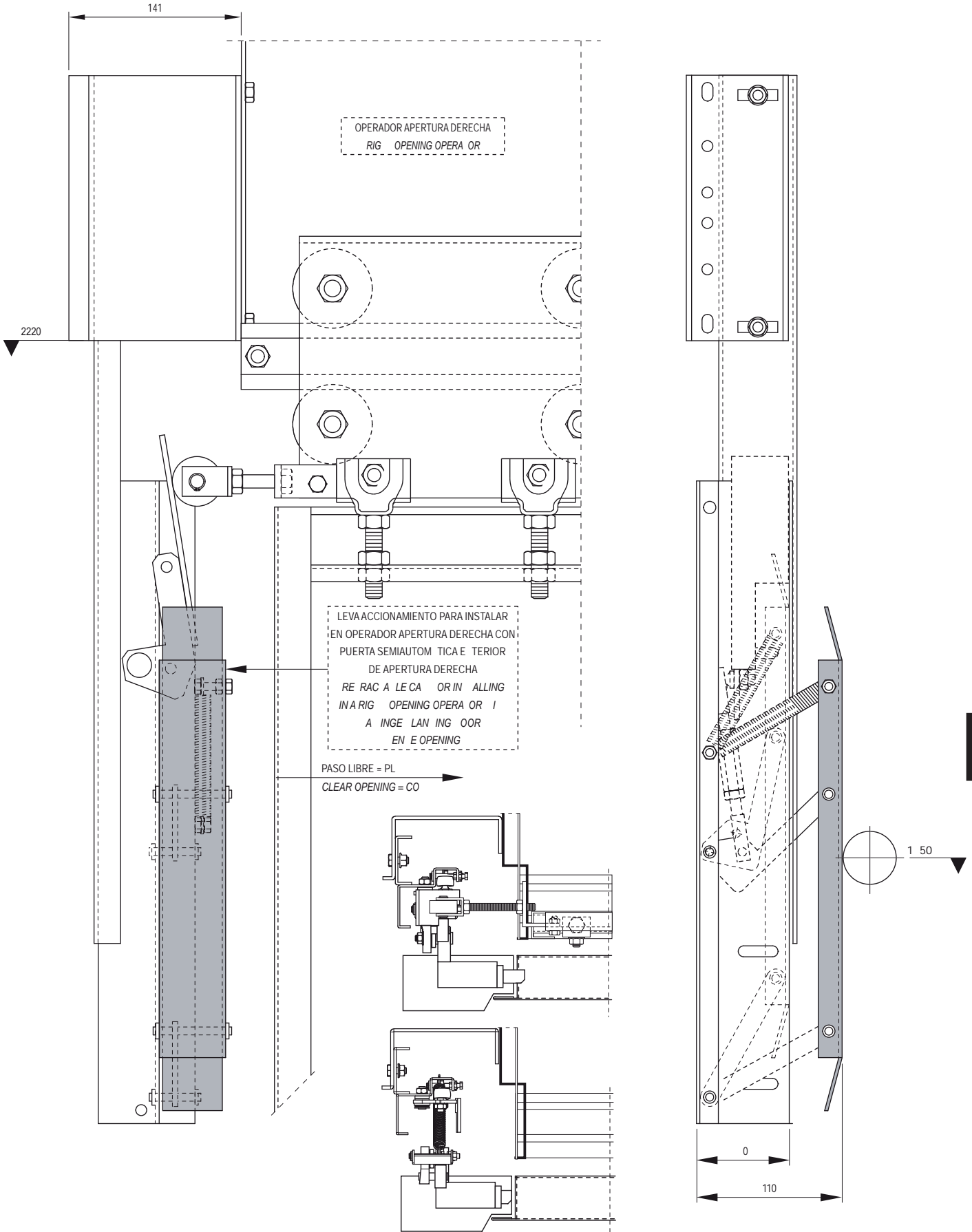
Para todo tipo de puertas de cabina telescópicas  
 For all type of side opening car door

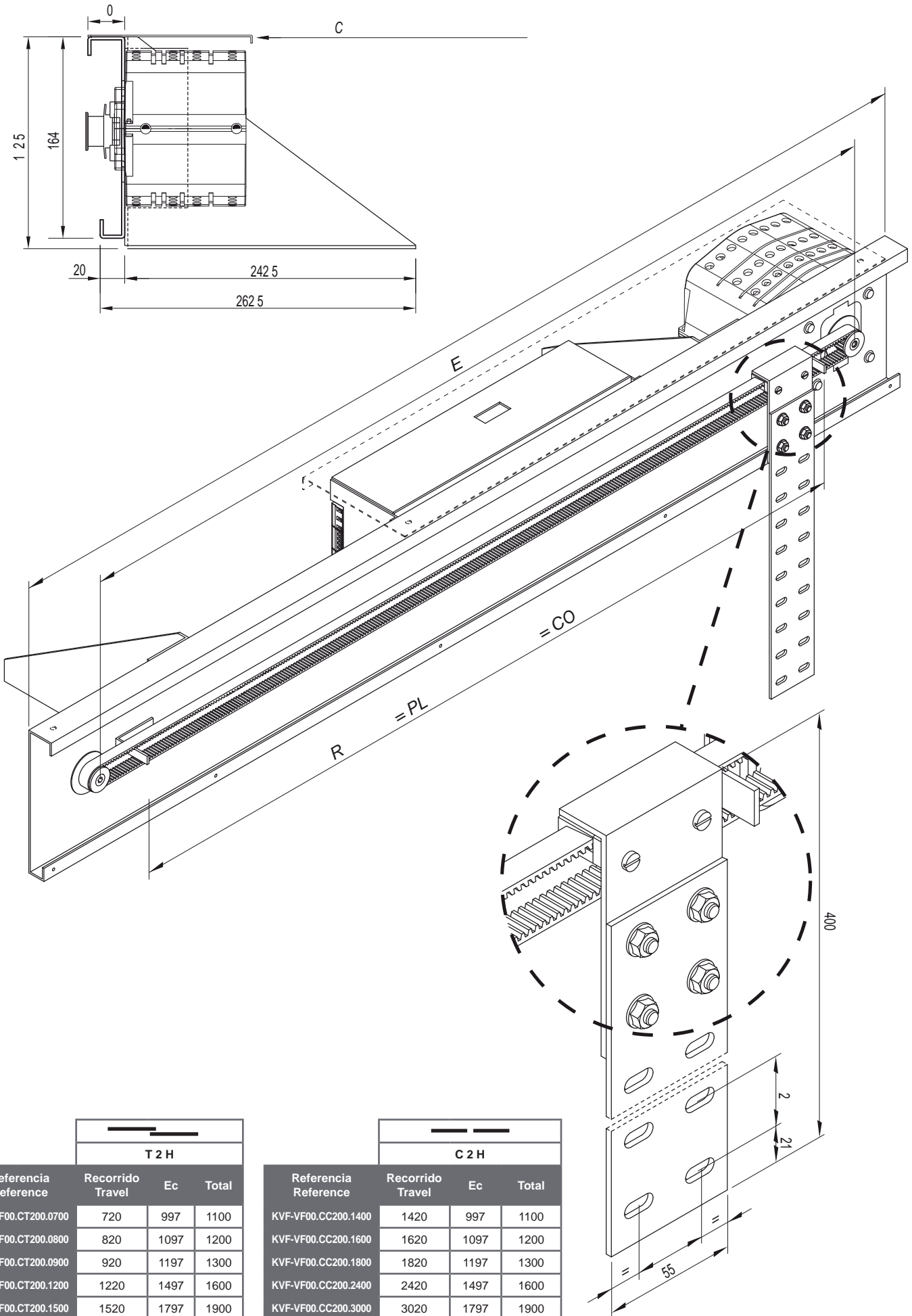


Para todo tipo de puertas de cabina telescópicas  
For all type of side opening car door



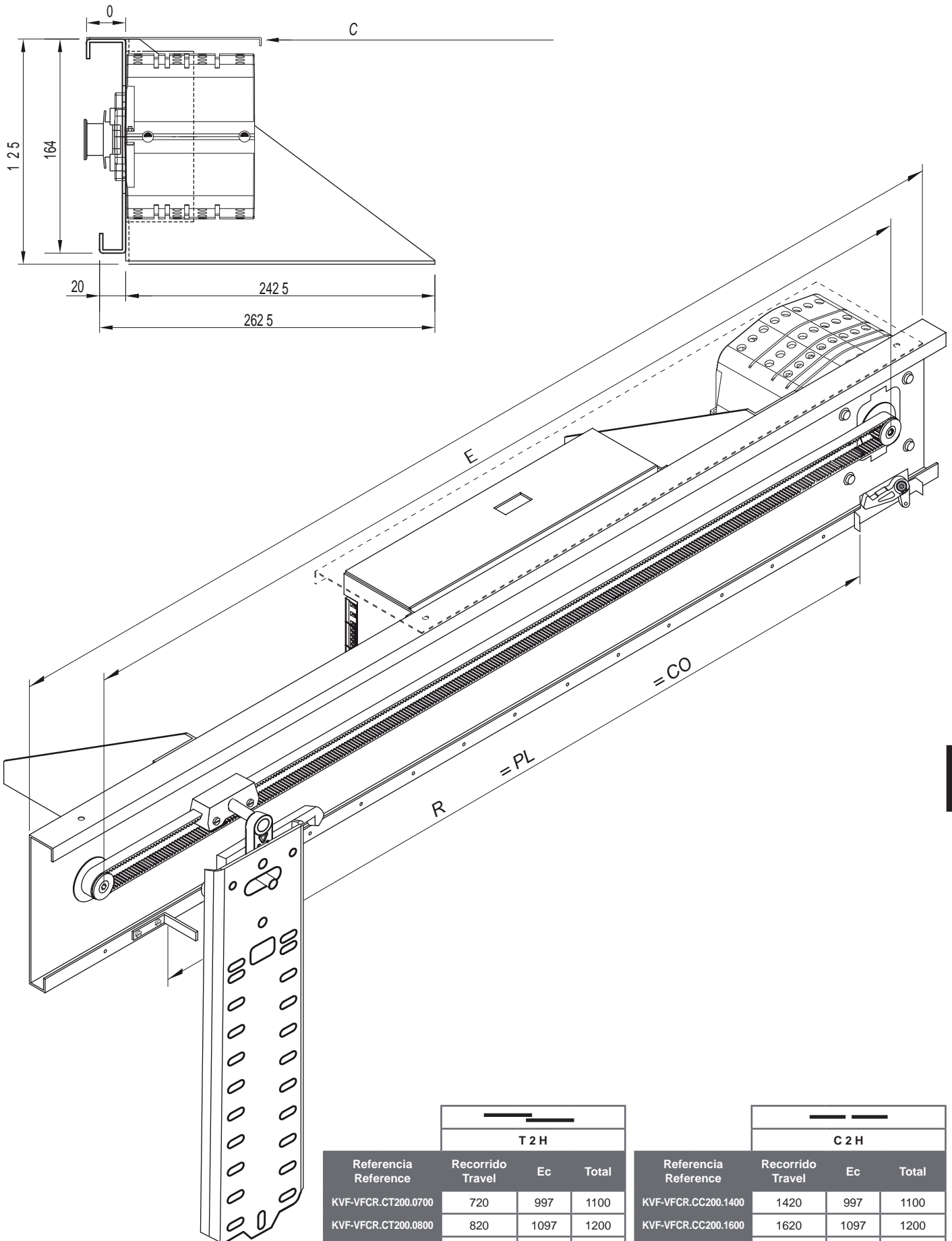
Para todo tipo de puertas de cabina telescópicas  
 For all type of side opening car door





T 2 H			
Referencia Reference	Recorrido Travel	Ec	Total
KVF-VF00.CT200.0700	720	997	1100
KVF-VF00.CT200.0800	820	1097	1200
KVF-VF00.CT200.0900	920	1197	1300
KVF-VF00.CT200.1200	1220	1497	1600
KVF-VF00.CT200.1500	1520	1797	1900

C 2 H			
Referencia Reference	Recorrido Travel	Ec	Total
KVF-VF00.CC200.1400	1420	997	1100
KVF-VF00.CC200.1600	1620	1097	1200
KVF-VF00.CC200.1800	1820	1197	1300
KVF-VF00.CC200.2400	2420	1497	1600
KVF-VF00.CC200.3000	3020	1797	1900



Referencia Reference	T 2 H		
	Recorrido Travel	Ec	Total
KVF-VFCR.CT200.0700	720	997	1100
KVF-VFCR.CT200.0800	820	1097	1200
KVF-VFCR.CT200.0900	920	1197	1300
KVF-VFCR.CT200.1200	1220	1497	1600
KVF-VFCR.CT200.1500	1520	1797	1900

Referencia Reference	C 2 H		
	Recorrido Travel	Ec	Total
KVF-VFCR.CC200.1400	1420	997	1100
KVF-VFCR.CC200.1600	1620	1097	1200
KVF-VFCR.CC200.1800	1820	1197	1300
KVF-VFCR.CC200.2400	2420	1497	1600
KVF-VFCR.CC200.3000	3020	1797	1900

Company name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Person referent: \_\_\_\_\_  
e-mail: \_\_\_\_\_

Date: \_\_\_\_\_  
Quantity: \_\_\_\_\_

## MODERNIZATION LANDING DOOR

### Opening direction from landing

- RIGHT } Panels  
 LEF }  1  2  3  4  
 CENTRAL  2\*  4  6  8
- \* Emergency release mechanism in panel always included

### Dimensions:

mm ..... Clear opening (CO)  
mm ..... Clear height (CL)

### Type:

- Glass - Aluminium  
 Full glass  
 Big vision panel  
 Flush vision panel  
 Other .....

### Options:

- 40/10  
 50/11

### Fire homologations:

- no PF  
 EN 81.58 EW-60  
 EN 81.58 E-120  
 EN 81.58 EI-120

### Claddings:

- Epoxi  
 Stainless steel  
 Other .....

### Operator type

- VVVF electronic module  
 Mechanical:  
     direct current:  12V  24V  48V  
     alternating current:  230V II  125/230V III  230/415V III

### Options

- Sill support  
 Supplementary sill profile  
 Slam post profile  
 Assembling tool  
 Light cover  
 Emergency release mechanism in panel

### Fixing type

- Standard with fixing brackets G/L/F (see catalogue section 12)  
 Special .....  
 Attached drawing
- EN 81.21 Contact lock:
- Crouzet  
 Crouzed biestable  
 Schmersal biestable

### NOTE