

FOLDING DOORS / SLIDING PANELS

logistic
solutions



DATA SHEETS

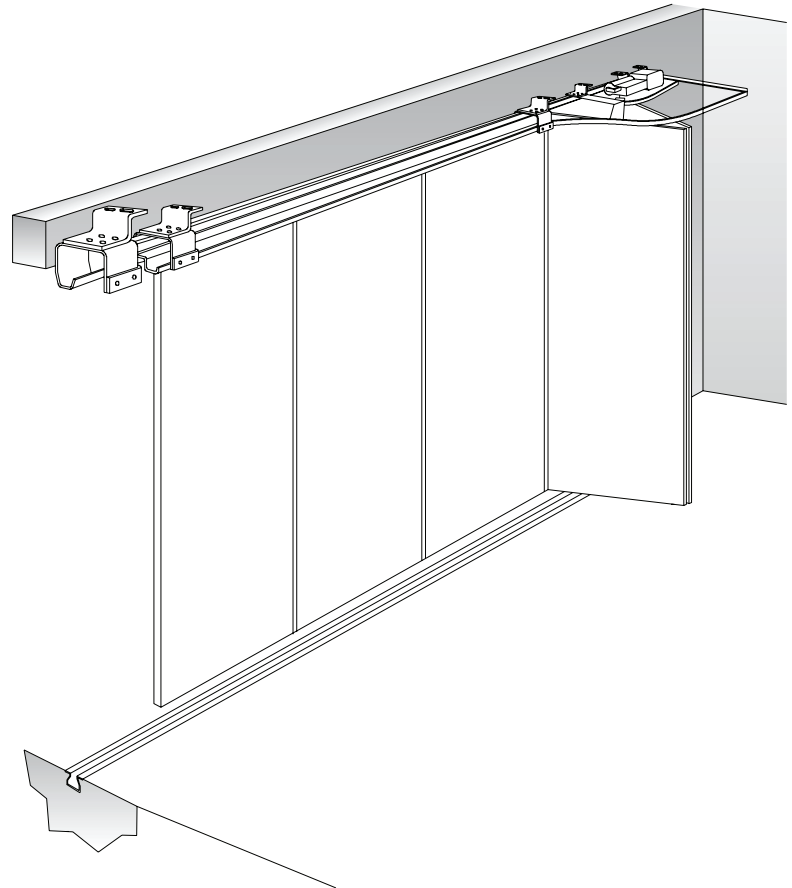
FOLDING DOOR KPL CG

Folding door with ground tracks.

This is a sliding door with several panels folding to a side.

Sliding is guaranteed by a overhead steel track, including a space to gather the folds, and an in-built ground guide in galvanized steel.

Protection from atmospheric dust is guaranteed by brushes in the side frame and by EPDM finger protection gaskets..

**FIG 39**

FOLDING DOOR WITH GROUND TRACK KPL CG

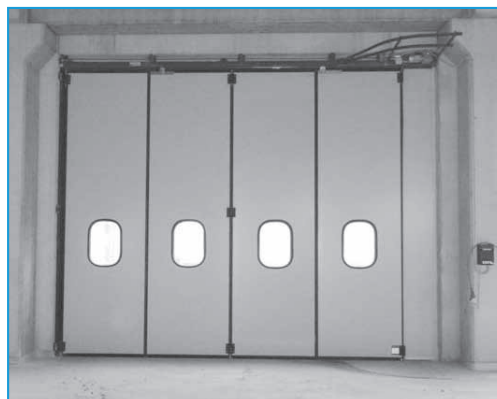
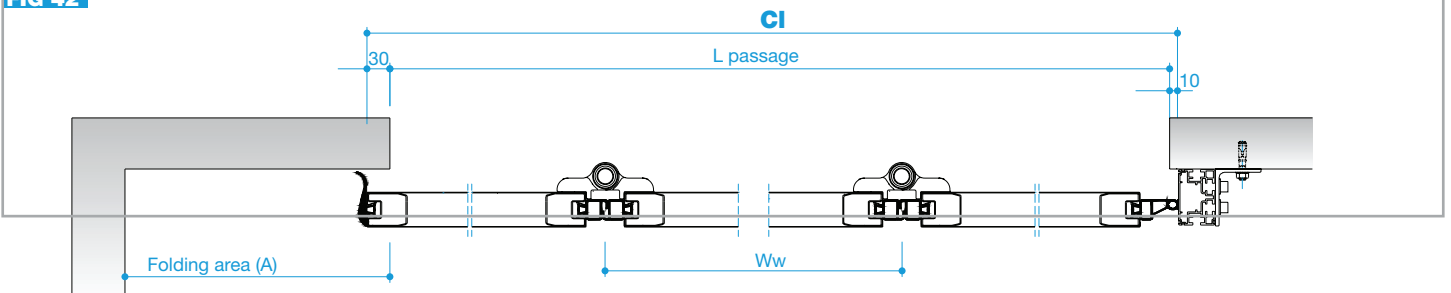
FIG 40

FIG 41

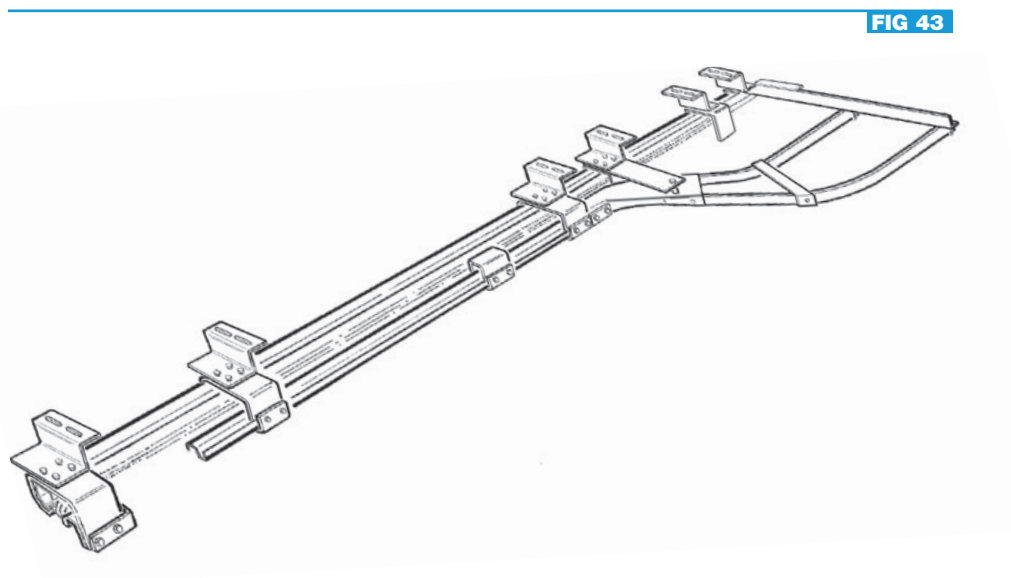
PANELS		Ci (Commercial Length)		Panel width (Ww)	PARAMETER A		Ch MAX	
		MIN	MAX					
3+0		2210	4010		CI/3	560	6000	
4+0		2960	5360		CI/4	560	6000	
5+0		3710	6710		CI/5	760	6000	
6+0		4460	8060		CI/6	760	6000	
7+0		5210	9410		CI/7	960	6000	
8+0		5960	10760		CI/8	960	6000	
9+0		6710	12110		CI/9	1160	6000	
10+0		7460	13460		CI/10	1160	6000	
3+3		4400	8000		(CI+30)/6	560	560	6000
4+4		5900	10700		(CI+30)/8	560	560	6000
5+5		7400	13400		(CI+30)/10	760	760	6000
6+6		8900	16100		(CI+30)/12	760	760	6000
7+7		10400	18800		(CI+30)/14	960	960	6000
8+8		11900	21500		(CI+30)/16	960	960	6000
9+9		13400	24200		(CI+30)/18	1160	1160	6000
10+10		14900	26900		(CI+30)/20	1160	1160	6000

FIG 42



OVERHEAD TRACKS

In the KPL CG folding doors the overhead track consists of a rail provided with fixing brackets, a dividing fold track and space to gather the folds.

**GROUND TRACKS**

The ground tracks consists of a galvanized steel profile to build in the floor.

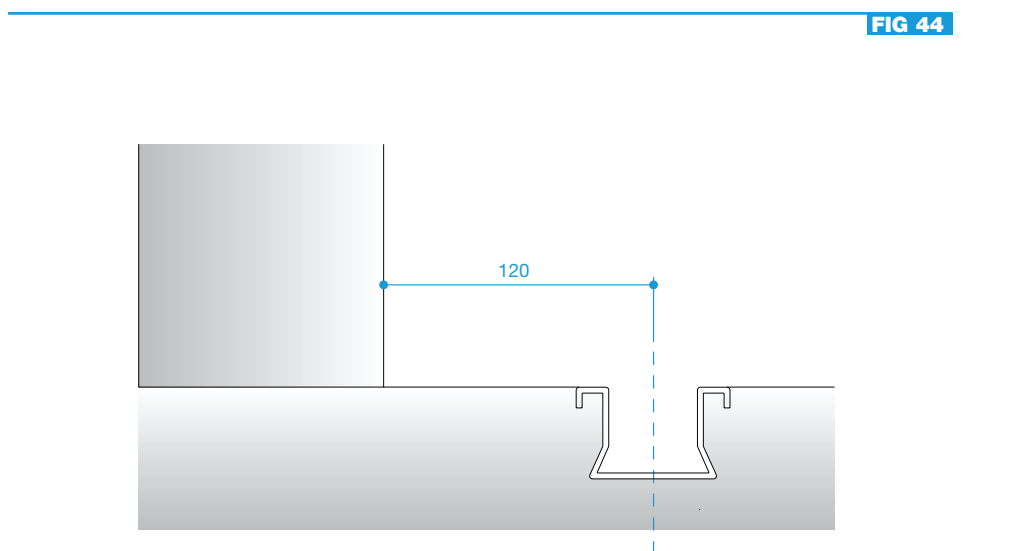
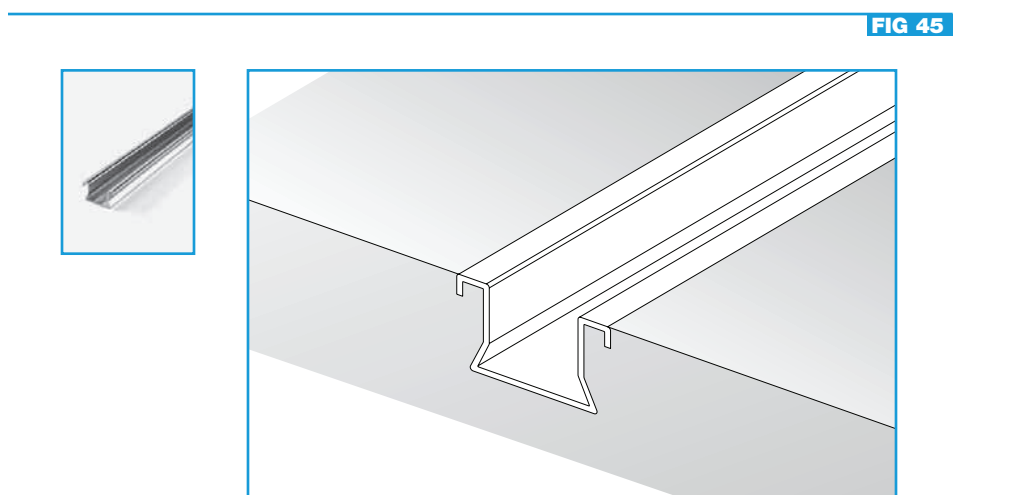
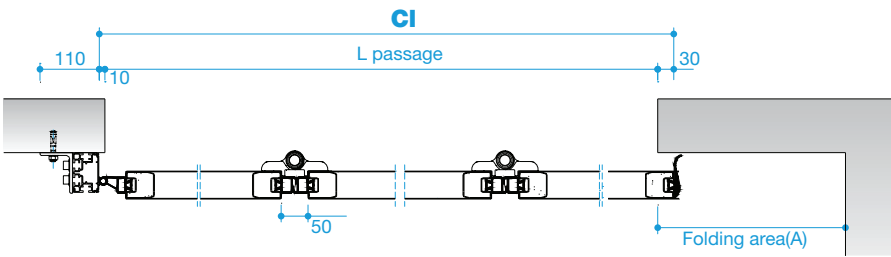
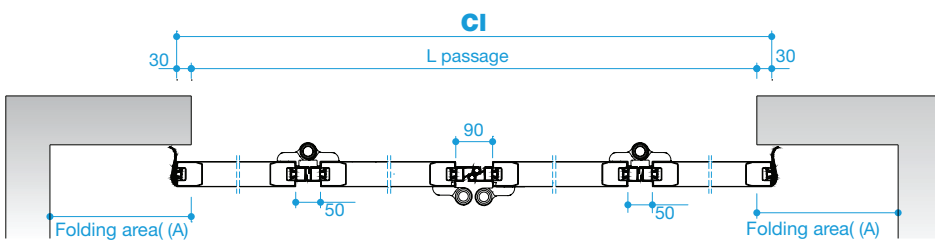
**GROUND TRACKS**

FIG 46



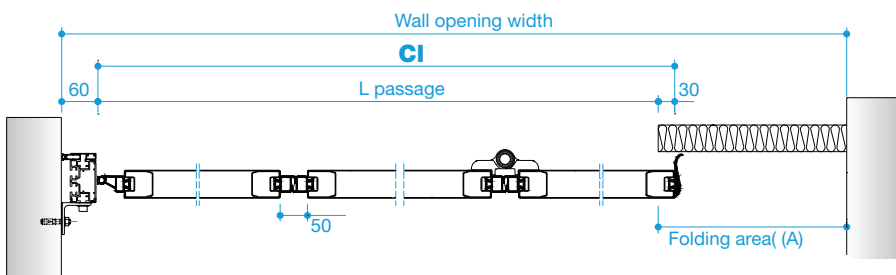
WALL FACED ASSEMBLY HORIZONTAL SECTION WITH SINGLE FOLDING

FIG 47



WALL FACED ASSEMBLY HORIZONTAL SECTION WITH DOUBLE FOLDING

FIG 48

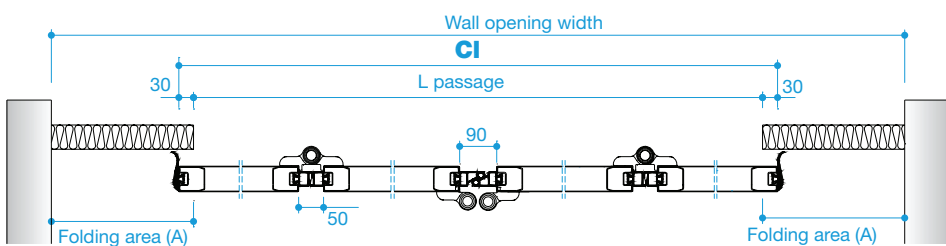


ASSEMBLY WITHIN WALL OPENING HORIZONTAL SECTION WITH SINGLE FOLDING

CI = commercial length

In assemblies within doorway real sizes are reduced by 20 mm in width and by 10 mm in height to make up in case of uneven ceilings or walls.

FIG 49



ASSEMBLY WITHIN WALL OPENING HORIZONTAL SECTION WITH DOUBLE FOLDING

**VERTICAL SECTION
(WALL FACED ANCHORING)**

FIG 50

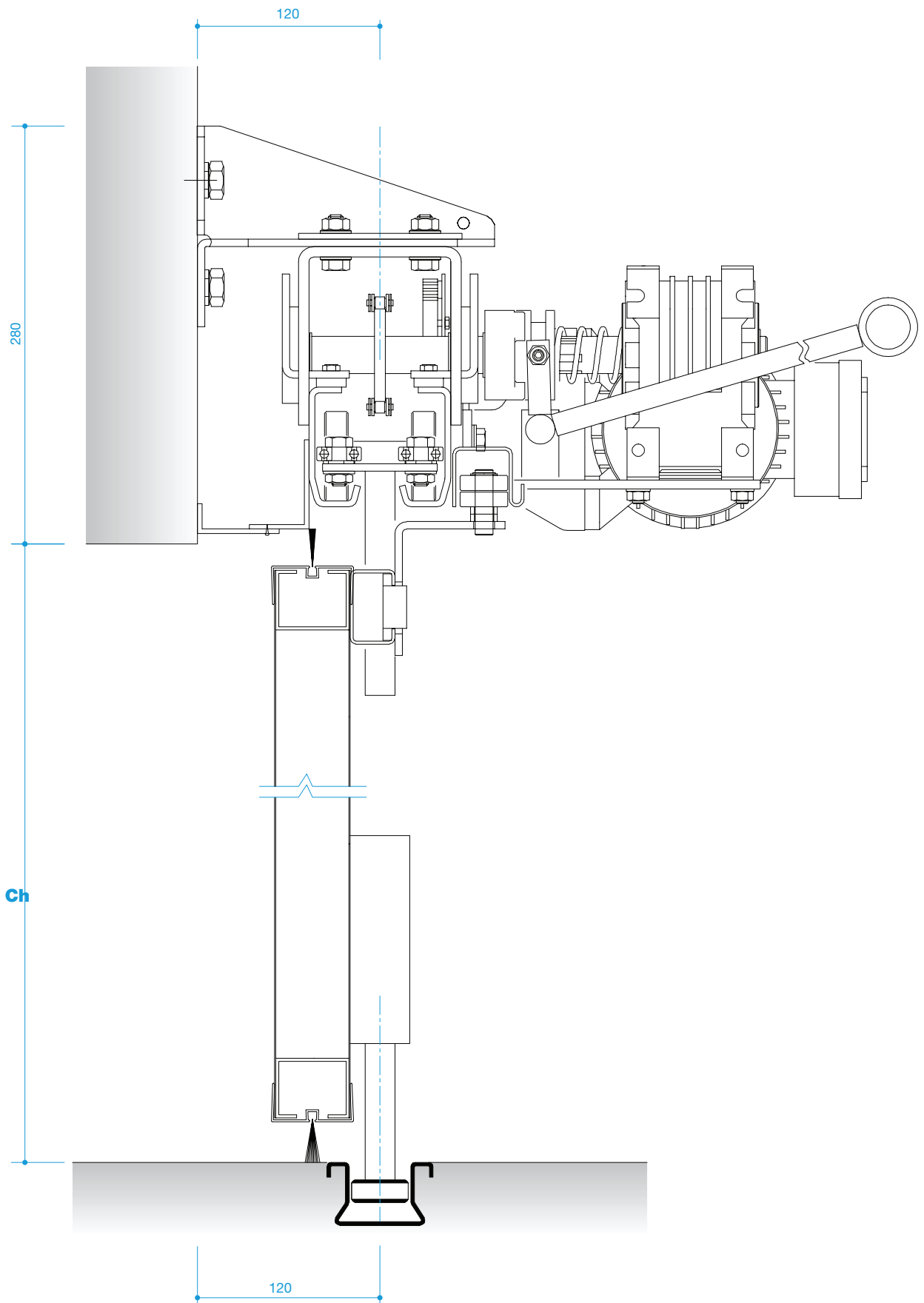
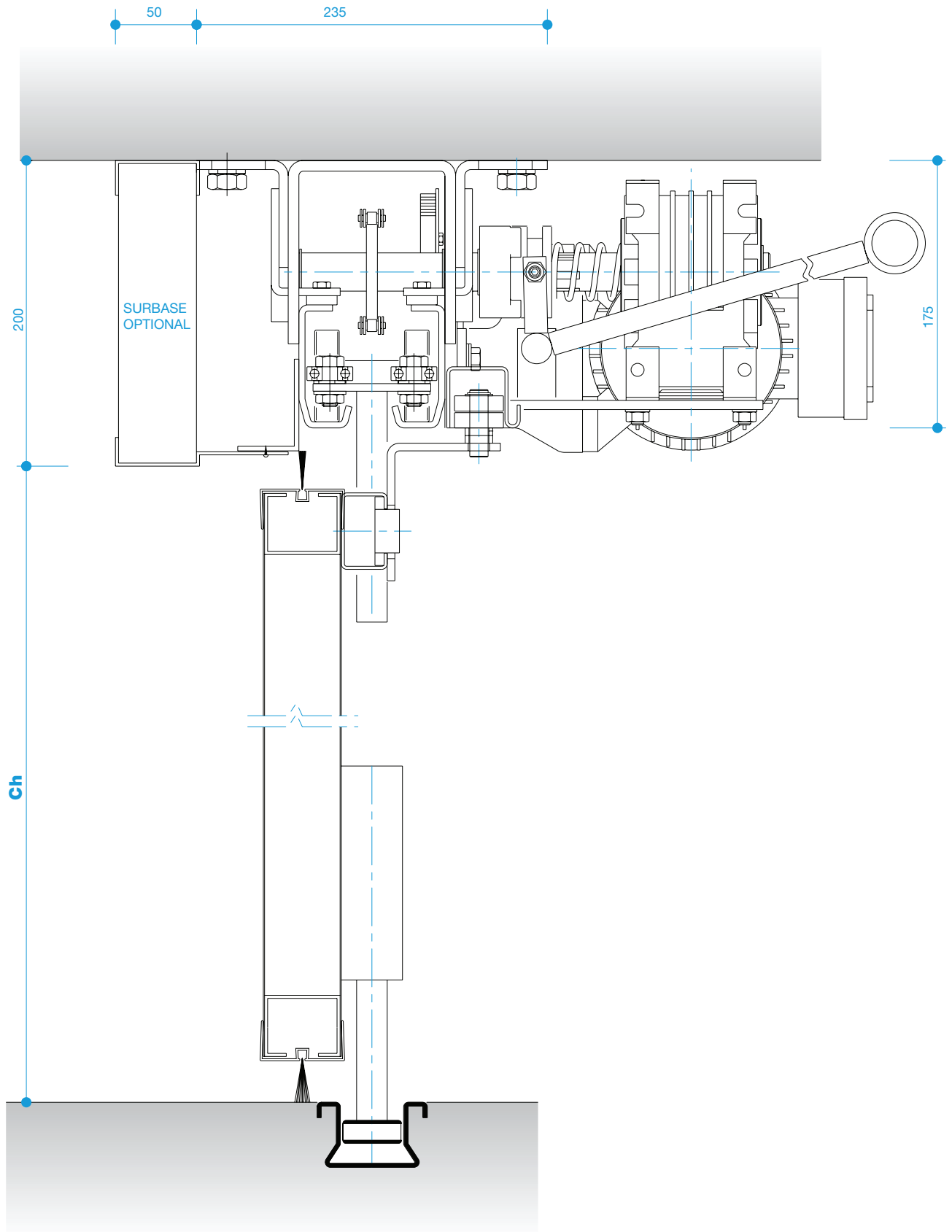


FIG 51

VERTICAL SECTION
(ANCHORING TO THE CEILING)



WICKET DOOR

Folding door KPL SG can have a wicket door with lock and internal/external handle.

The door consists of black painted aluminium profiles (Ral 9005) and in case of a drive unit it has a safety micro switch which prevents movements if the door isn't completely closed.

SIZES

X = 600 mm by Panel width > 950 mm

X = 700 mm by Panel width > 1050 mm

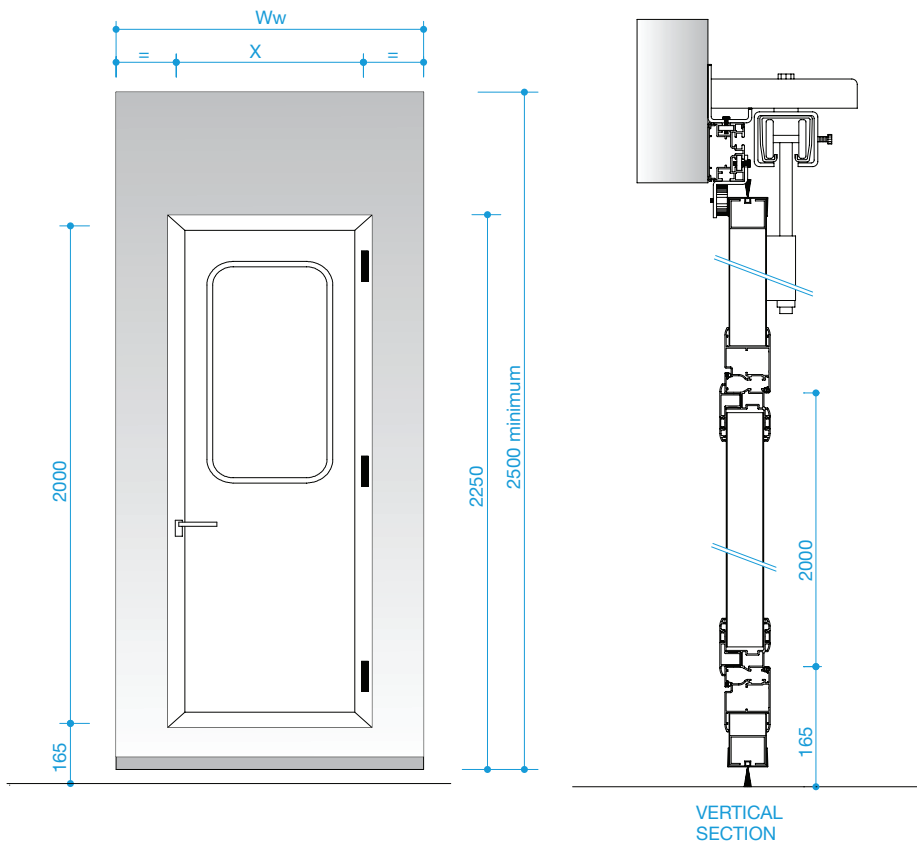
X = 800 mm by Panel width > 1150 mm

X = 900 mm by Panel width > 1250 mm

LIST OF WINDOWS WHICH CAN BE INSTALLED

WICKET DOOR	WINDOW		
	300x600	450x650	Ø 450
600	■		
700	■	■	■
800	■	■	■
900	■	■	■

FIG 52



WICKET DOOR POSITIONING

FIG 53

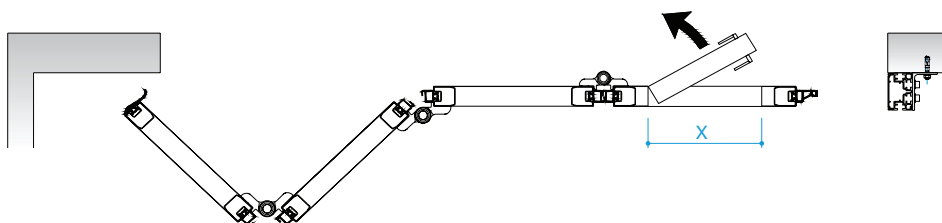
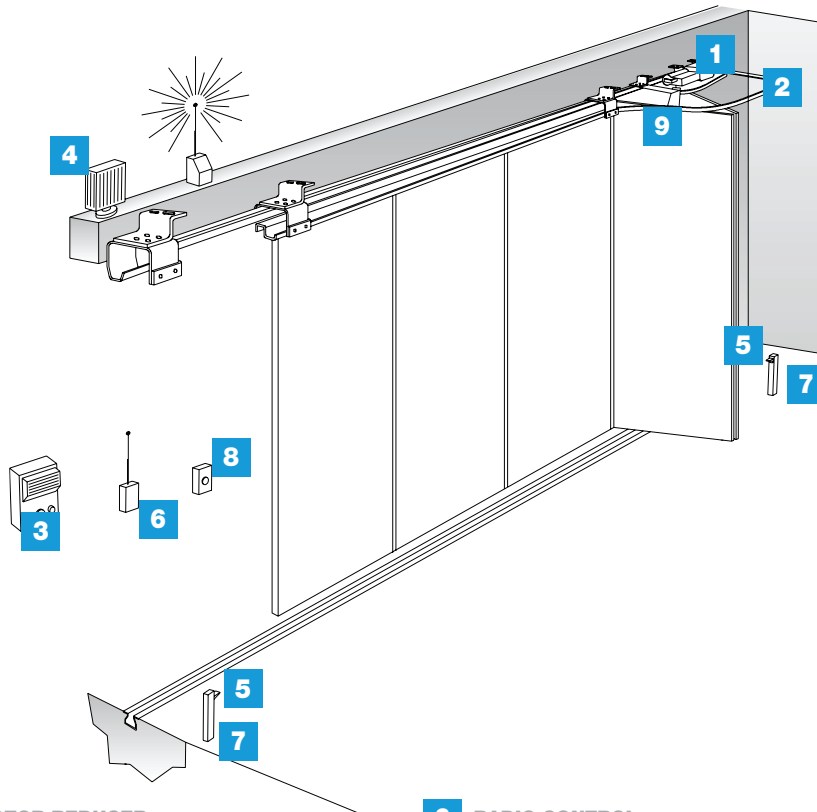


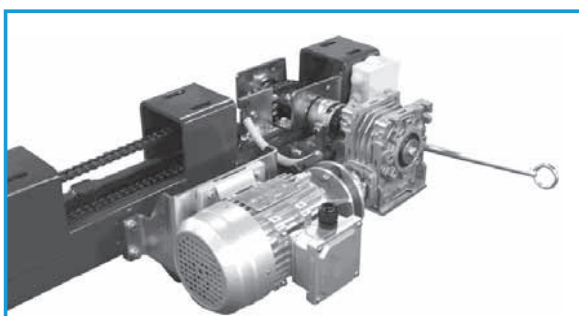
FIG 54



- 1** MOTOR REDUCER
- 2** SPACE FOR GATHERING THE FOLDS
- 3** ELECTRONIC EQUIPMENT
- 4** FLASHER
- 5** COUPLE OF PHOTOCELLS
- 6** RADIO CONTROL
- 7** PHOTOCELL TOWERS
- 8** KEY SELECTOR
- 9** MOTOR UNLOCK SYSTEM

FIG 55

MOTOR REDUCER CHARACTERISTICS	M/R-2000	T/FR-2000
Motor	230V (+10% -10%) 50Hz	400V (+10% -10%) 50Hz
Power	0,3 kW	0,37 kW
Capacitor	20 µF	
Max door weight	2000 kg *	2000 kg *
Couple supplied	40 Nm	40 Nm
Door speed	6,2 m/min	6,2 m/min
Operating temperature	-15 +60 °C	-15 +60 °C
Working frequency	S1 - 100%	S1 - 100%
Protection level	IP 30	IP 30
Control panel	DEC-SM	DEC-ST
Safety	Electronic clutch+ Reverser	Mechanical clutch



MOTORIZATION

Automatic doors the motor reducer is assembled inside the track.

Supply consists of:

- N°1 electromechanical nonreversible motor reducer with REVERSER system and travel stop already assembled and provided with cables 230V-50Hz
- Control panel

Upon request you can have the following options:

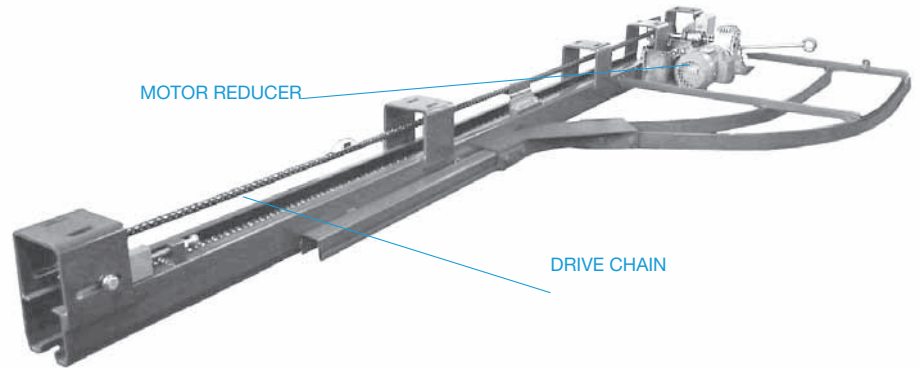
- Two-way and four-way radio controls
- Aluminium photocell towers
- Key selector
- Safety micro for lever bolt
- Safety micro for pedestrian door
- Yellow flasher 230V
- External couple of photocells

*** NOTE**

For weight you may consider 22 Kg/m2.
For doors with different characteristics from the one described other motors can be installed

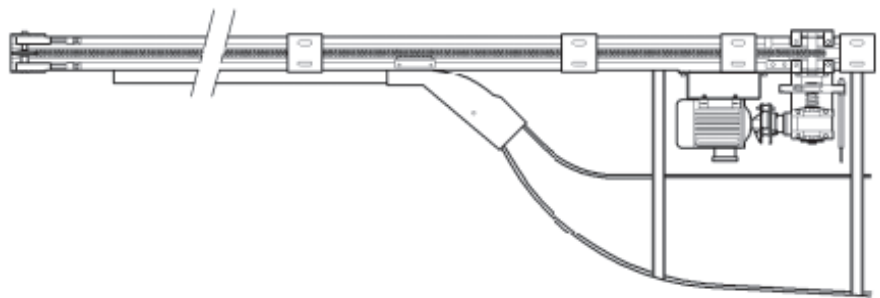
**OVERHEAD TRACK WITH
MOTORIZATION**

FIG 56



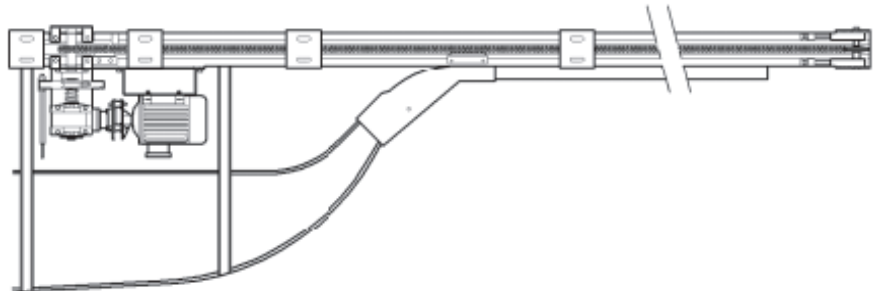
**SIDE PARTING LINE WITH SPACE FOR
GATHERING THE FOLDS ON THE RIGHT**

FIG 57



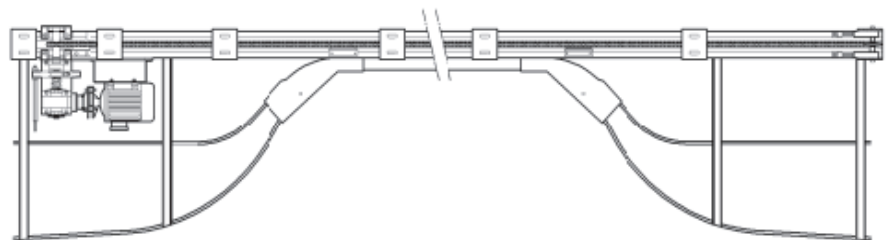
**SIDE PARTING LINE WITH SPACE FOR
GATHERING THE FOLDS ON THE LEFT**

FIG 58



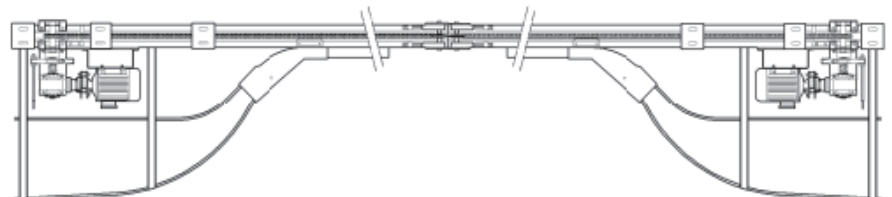
CENTRAL PARTING LINE

FIG 59

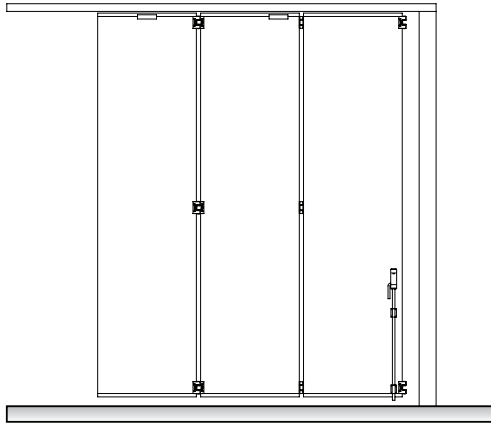


CENTRAL PARTING LINE

FIG 60

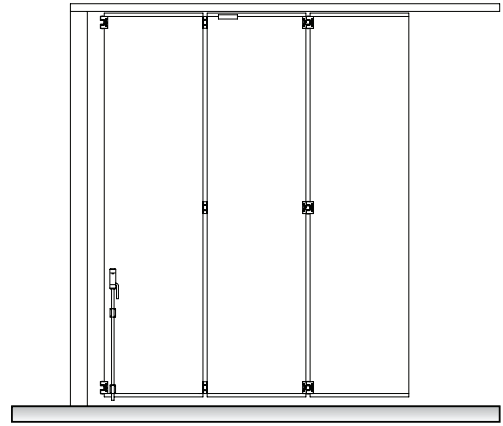


DRAWING 1



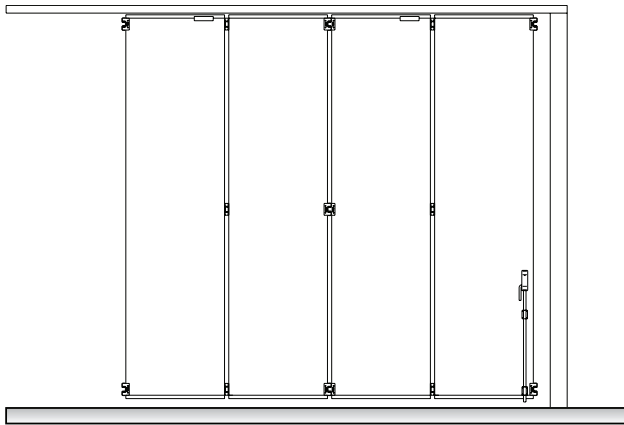
Assembly: INTERNAL/ESTERNAL
Type: 3 LEFT PANELS

DRAWING 2



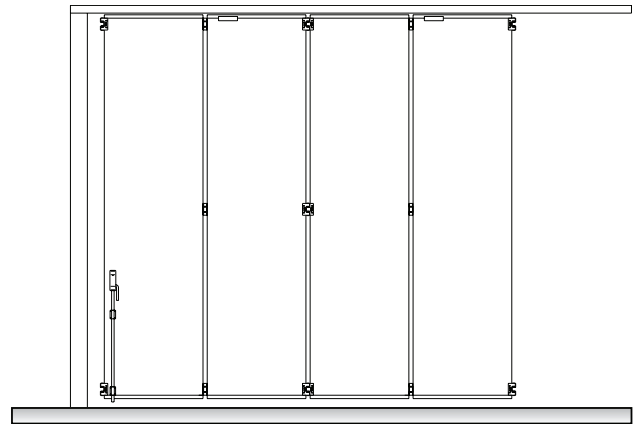
Assembly: INTERNAL/ESTERNAL
Type: 3 RIGHT PANELS

DRAWING 3



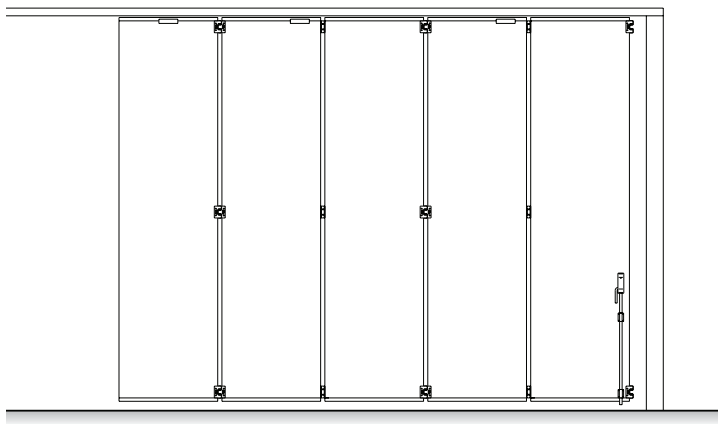
Assembly: INTERNAL/ESTERNAL
Type: 4 LEFT PANELS

DRAWING 4



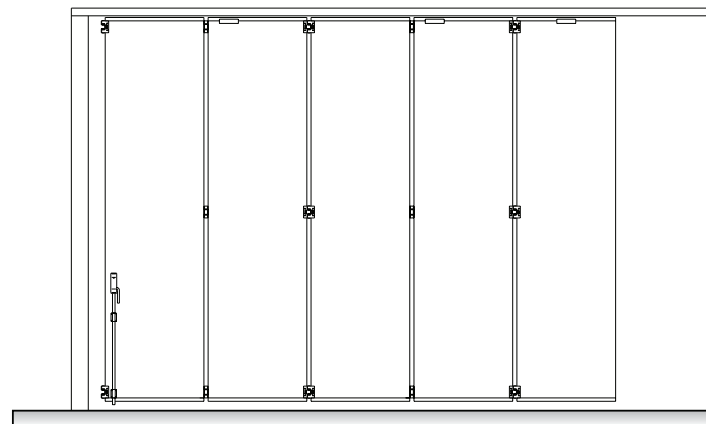
Assembly: INTERNAL/ESTERNAL
Type: 4 RIGHT PANELS

DRAWING 5



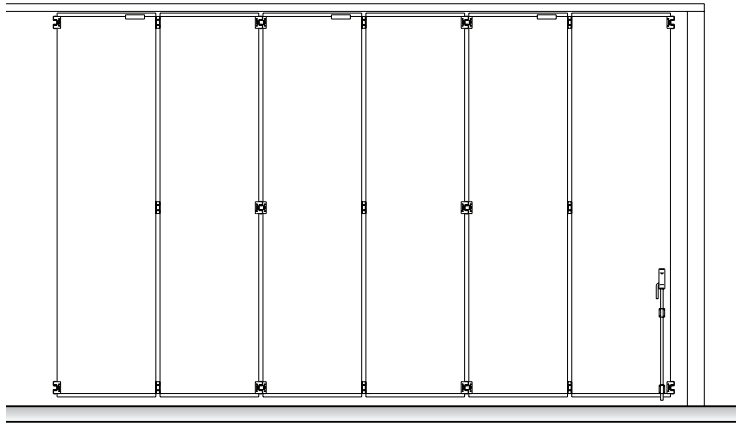
Assembly: INTERNAL/ESTERNAL
Type: 5 LEFT PANELS

DRAWING 6



Assembly: INTERNAL/ESTERNAL
Type: 5 RIGHT PANELS

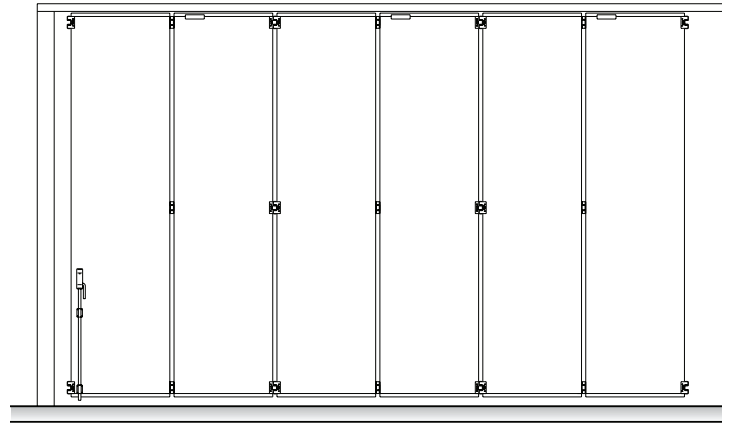
DRAWING 7



Assembly: INTERNAL/EXTERNAL

Type: 6 LEFT PANELS

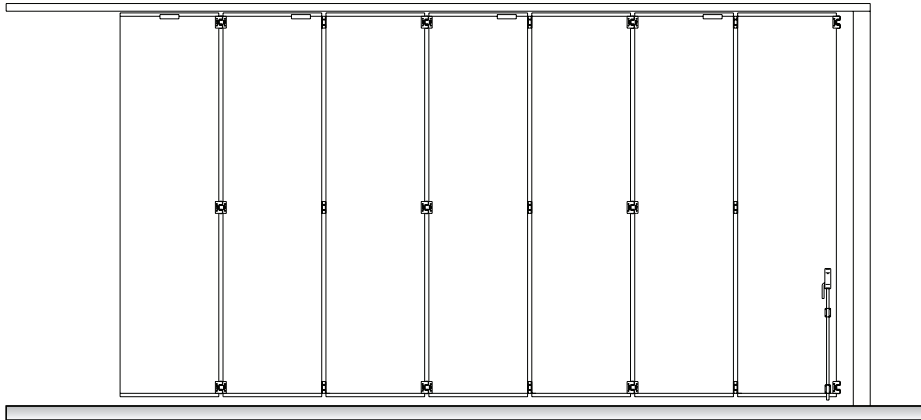
DRAWING 8



Assembly: INTERNAL/EXTERNAL

Type: 6 RIGHT PANELS

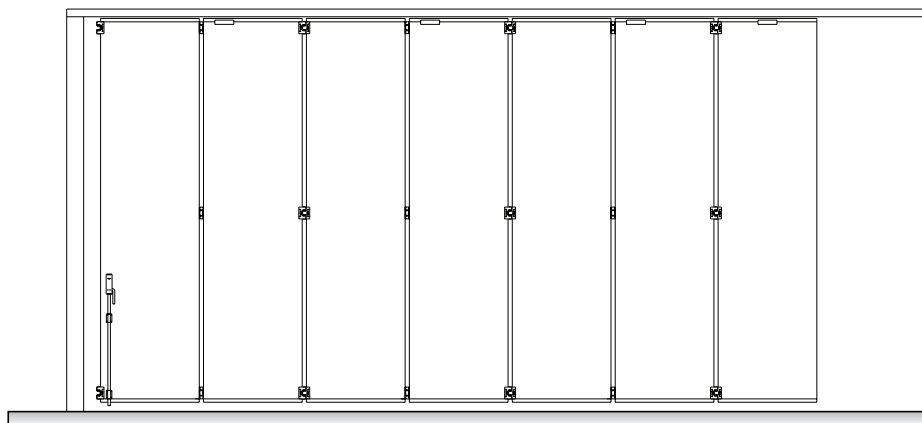
DRAWING 9



Assembly: INTERNAL/EXTERNAL

Type: 7 LEFT PANELS

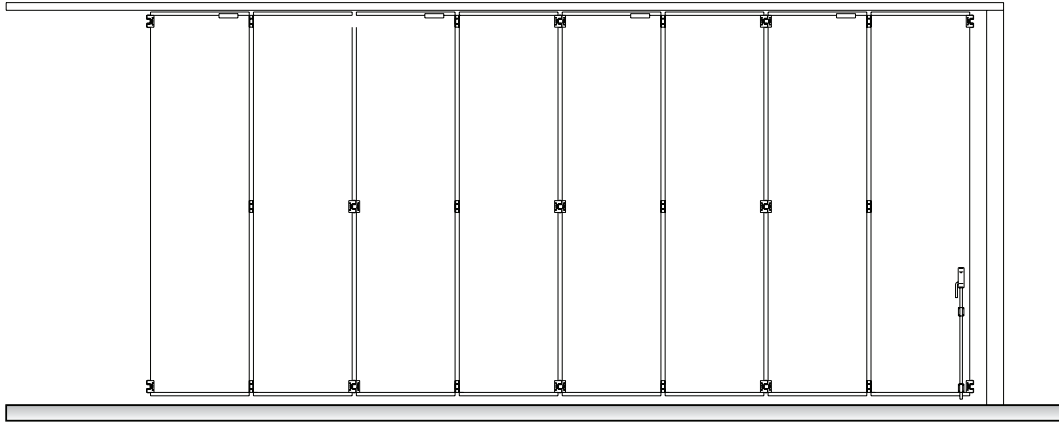
DRAWING 10



Assembly: INTERNAL/EXTERNAL

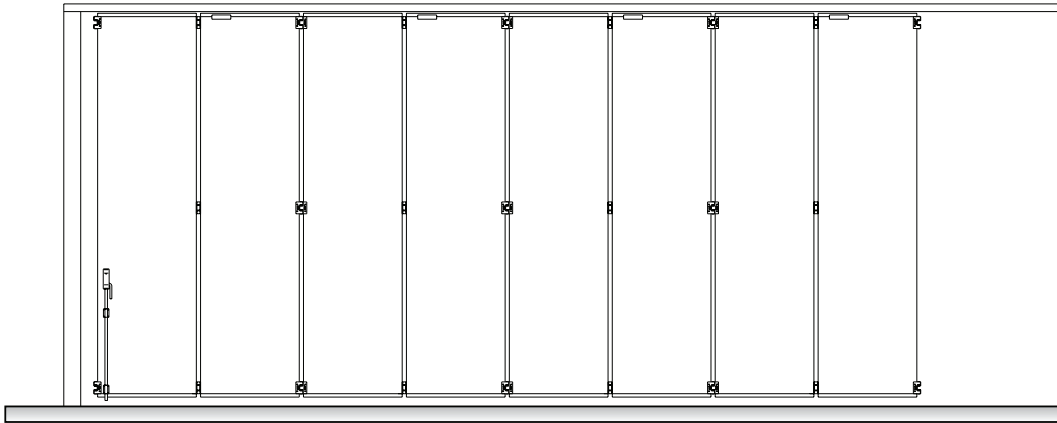
Type: 7 RIGHT PANELS

DRAWING 11



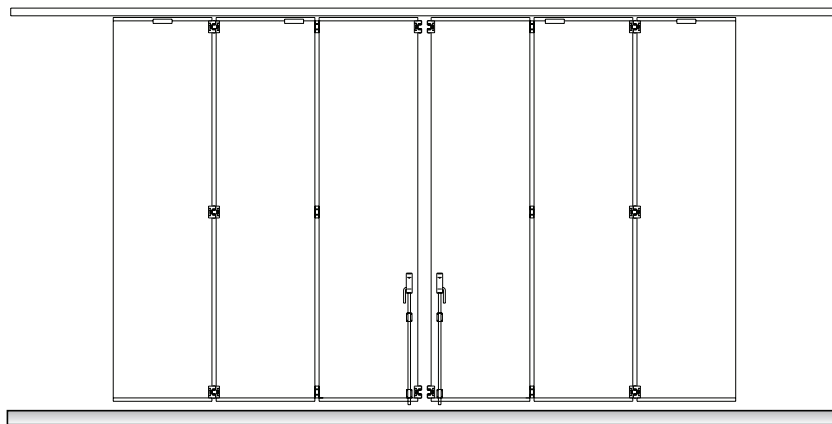
Assembly: INTERNAL/EXTERNAL
Type: 8 LEFT PANELS

DRAWING 12



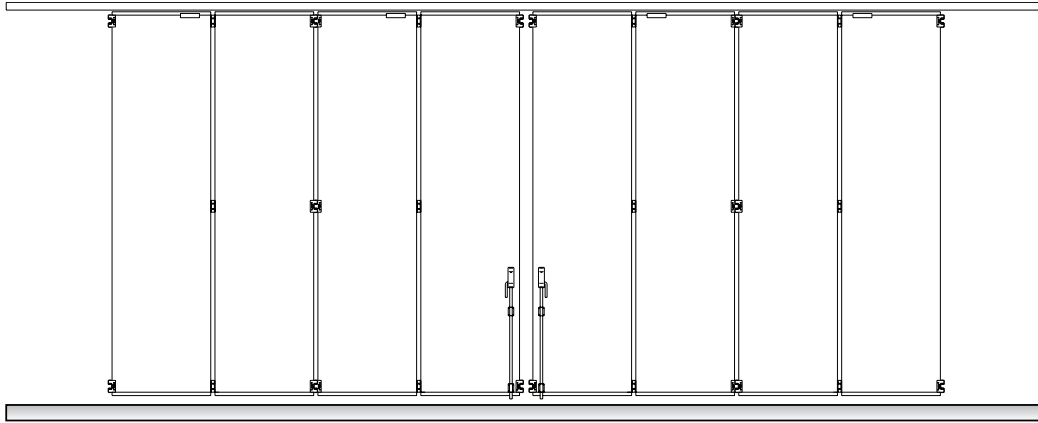
Assembly: INTERNAL/EXTERNAL
Type: 8 RIGHT PANELS

DRAWING 13



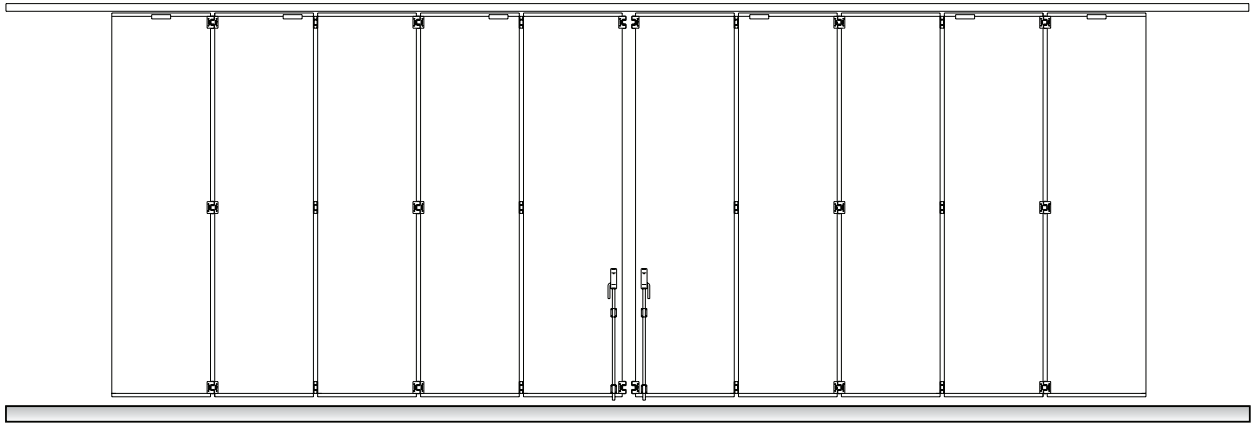
Assembly: INTERNAL/EXTERNAL
Type: 3 LEFT PANELS + 3 RIGHT

DRAWING 14



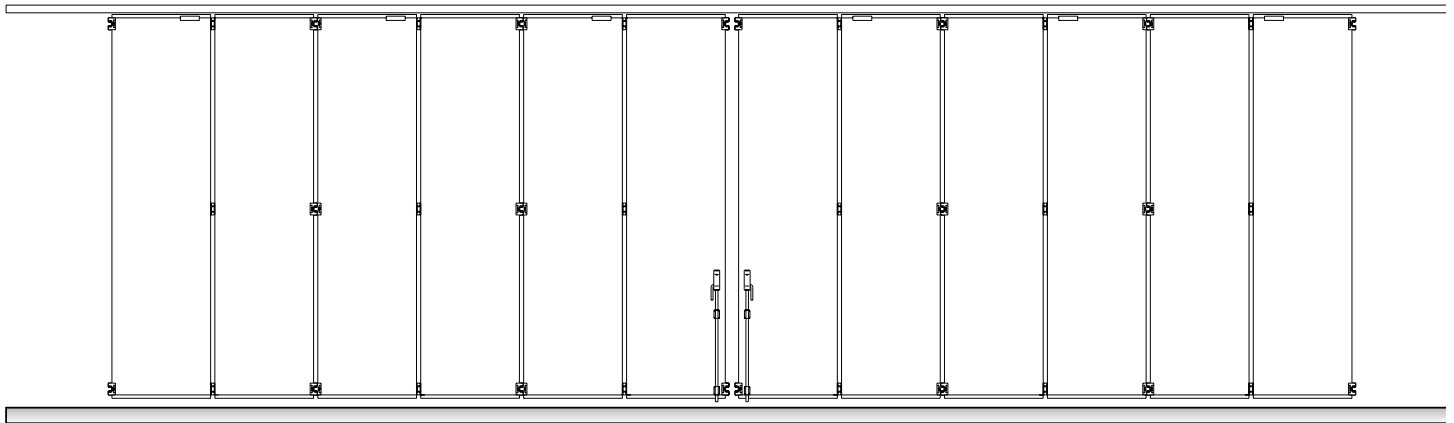
Assembly: INTERNAL/EXTERNAL
Type: 4 LEFT PANELS + 4 RIGHT

DRAWING 15



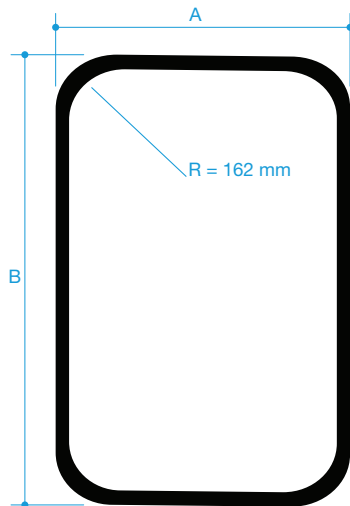
Assembly: INTERNAL/EXTERNAL
Type: 5 LEFT PANELS + 5 RIGHT

DRAWING 16



Assembly: INTERNAL/EXTERNAL
Type: 6 LEFT PANELS + 6 RIGHT

FIG 78

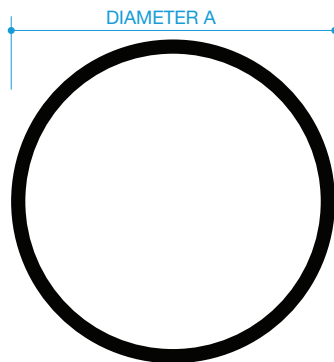


Commercial sizes	
A (mm)	B (mm)
750	1200
750	750
550	900
550	550
450	650

RECTANGULAR VISION PANELS

Vision panels with rubber EPDM profiles with rounded edges and Visarm transparent glass 4+4.

FIG 79

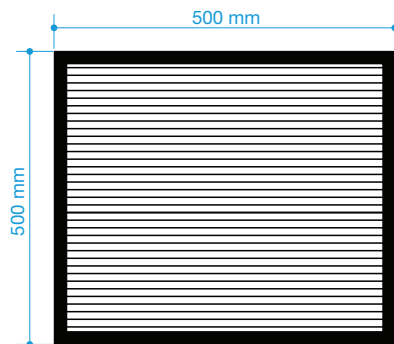


Commercial sizes	
Diam. A (mm)	
550	

ROUND VISION PANELS

Vision panels with rubber EPDM profiles with Visarm transparent glass 4+4.

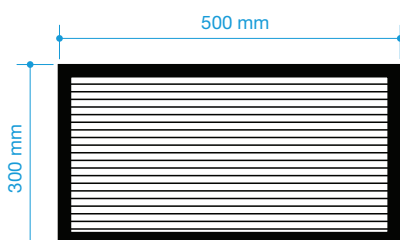
FIG 80



Aeration surface 1280 cmq

AERATION LOUVERS BIG SIZE

FIG 81

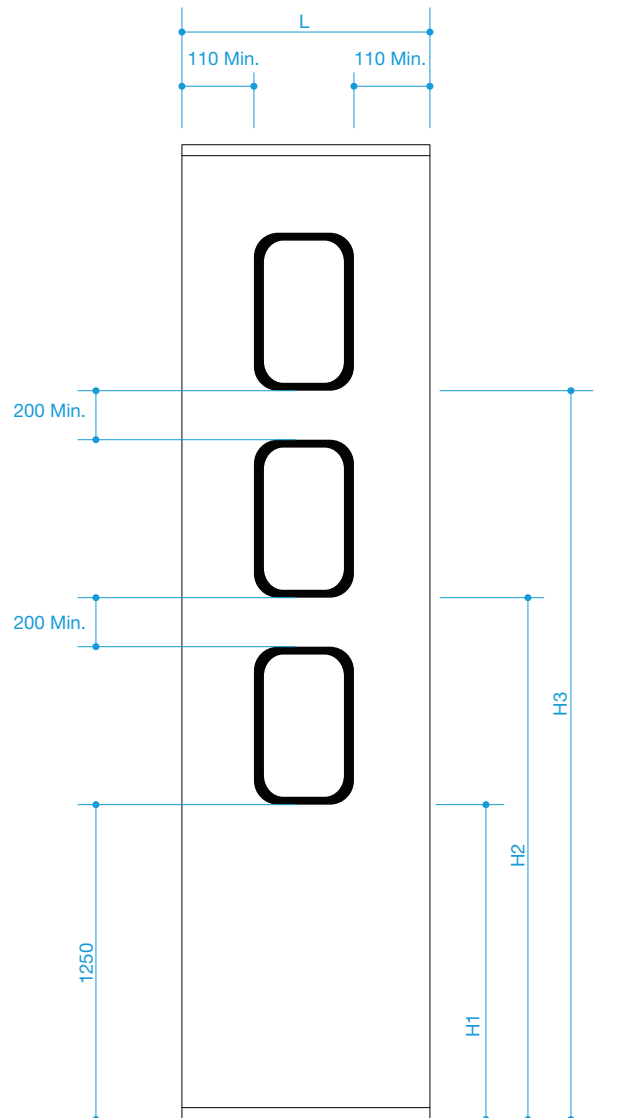


Aeration surface 695 cmq

AERATION LOUVER SMALL SIZE

MINIMUM SPACES TO KEEP WHEN INSERTING VISION PANELS AND LOUVERS

FIG 82



LOCK BOLT WITH KEY OPENING FROM EITHER INSIDE OR OUTSIDE

FIG 83



