folding doors systems

f4thermo

storage system	parking
panes	with framing
glazing	35mm double tempered & insulative
driver dimensions	75x78mm
max height	300cm
max pane width	120cm
max opening pane width	100cm
max pane weight	150kg
max number of panes	no limit

Salinox's F4 Thermo is a glazed folding door system specially designed to offer excellent thermal insulation to any enclosed space. It is the perfect combination for maximal thermal insulation, watertightness and sound insulation, with panes bearing double glazing encased in an aluminum frame, and with profiles and track rail driver which are thermally broken. It is ideal for spaces where thermal insulation is the utmost priority, such as projects in colder climates.

The F4 Thermo is very similar to the F4 Elite in terms of appearance, the only differences being in the dimensions of its profiles and track rail driver - they are slightly thicker in order to accomodate significant design changes. In actual fact, the detachable driver's insulation is a patented technique (Patent No. 1008597).

Salinox's F4 vertical profiles have been designed to fit together, bearing male and female sections, so that they perfectly couple with each other, covering all gaps very effectively by using additional elastic gaskets which seal the space when doors are secured with latches placed on its vertical profiles, about one meter high up. The accumulated effect of these and other design characteristics give the F4 system a thermal transmittance value of $1.74W/m^2K$ - a value which can substantially increase the overall energy efficiency index of a building.
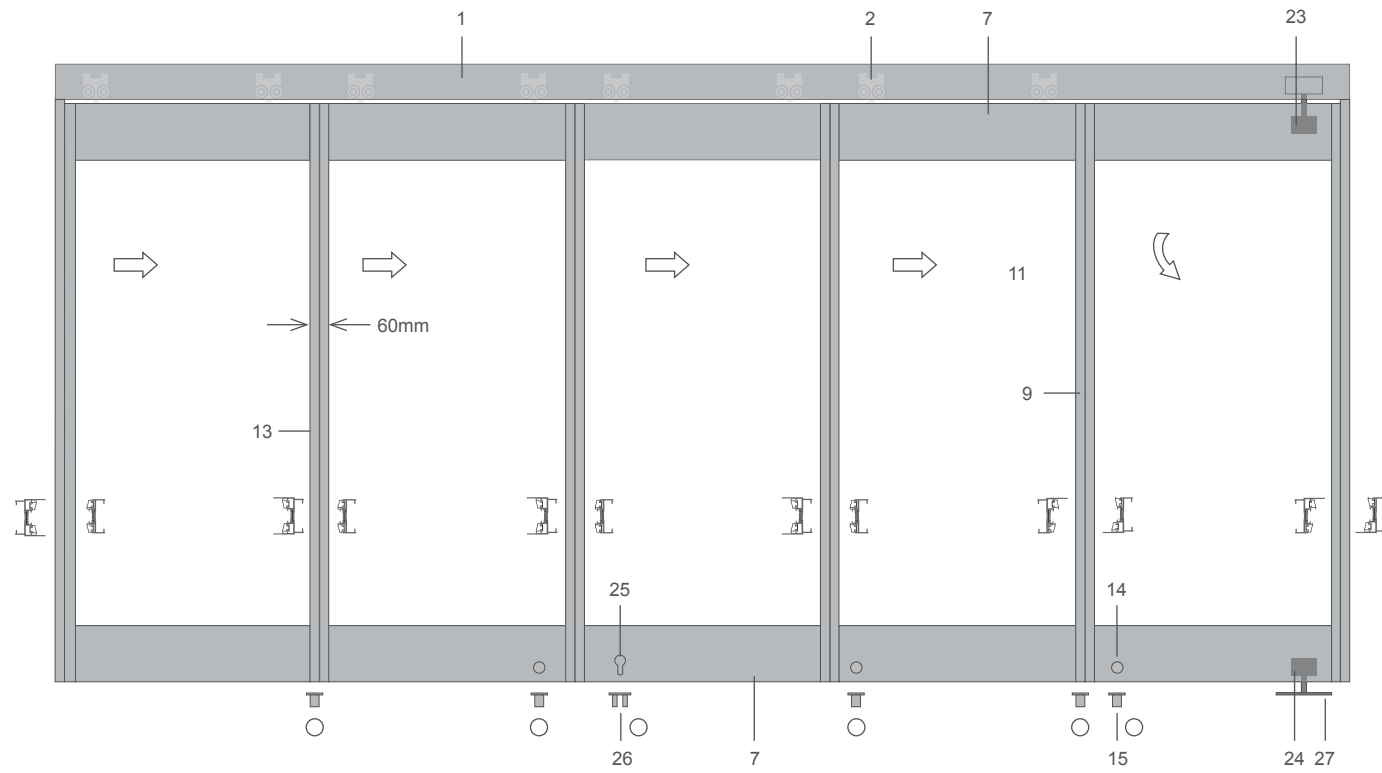
Any pane can also be turned into an opening/divertable door, functioning as an entrance, once a roof spring mechanism is fit in. Such entrances can be both single and double winged.

The double glazing can also be modified to accomodate blinds in between the two glassboards, for a more discreet and aesthetically integrated result.
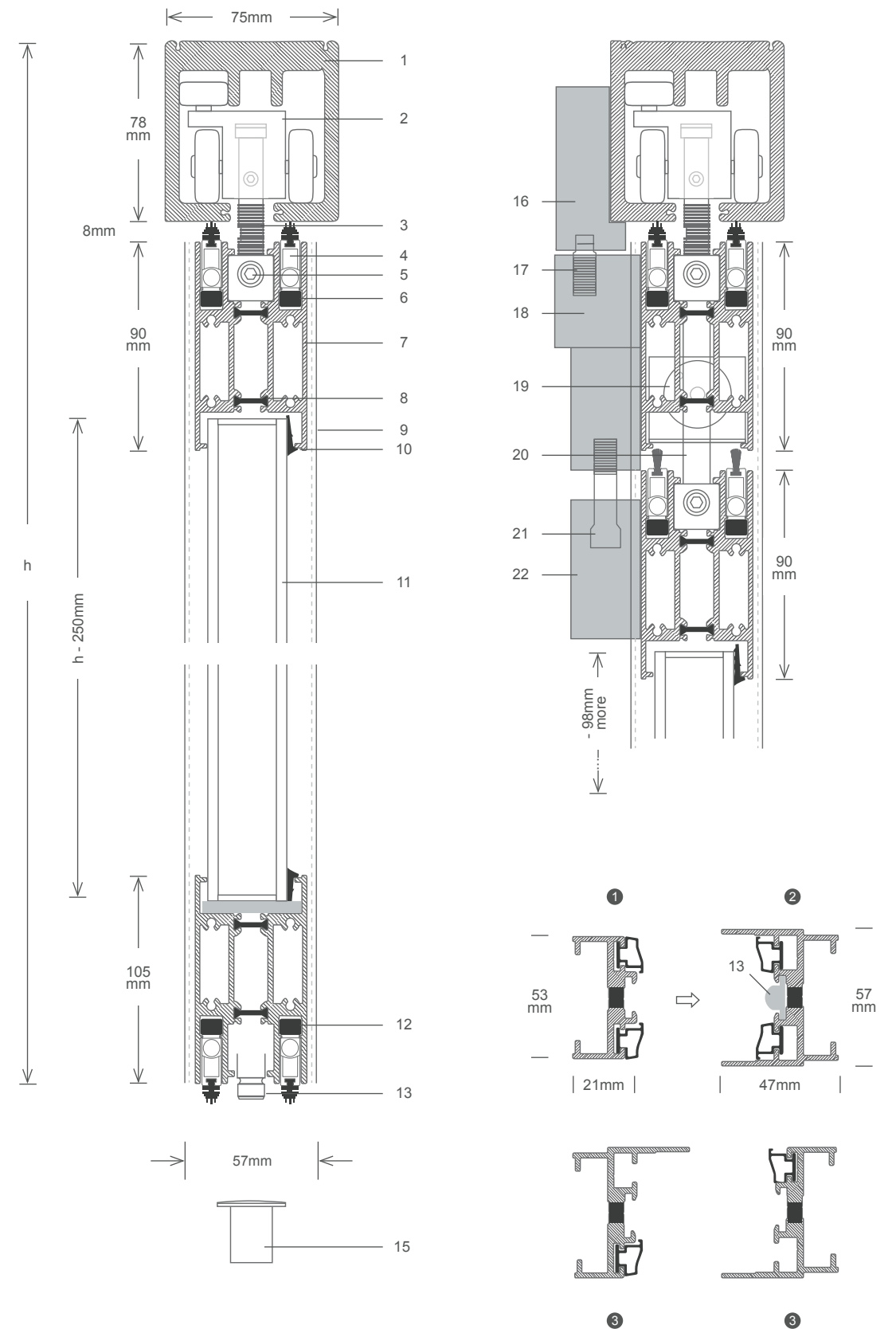
latch nest with oval hole Ø12
latch nest with hole Ø12

folding doors systems

1	split aluminum track rail	(4.87kg/m)	75x78mm
2	track rail roller		7578-1270
3	s.steel roller axle		M12x70mm
4	mechanical bar with gasket for watertightness		
5	roller locking allen screw with grover		M6
6	galvanized steel roller base		100x20x20mm
7	horizontal aluminum profile with thermal break		90x48.2mm
8	polyamide connector for profile coupling		14.8mm
9	vertical aluminum profile	(0.67-1kg/m)	55mm
10	elastic gasket		
11	double thermal and sound insulative glass (38mm chamber)		35mm
12	watertightness bar mechanism switch		
13	mechanical aluminum latch on vertical profile		
14	s.steel latch knob		Ø25

15	s.steel latch nest	Ø18x30mm
16	aluminum pane side-holding fitment	
17	s.steel pane side-holding screw	M16x40mm
18	aluminum base with M16 thread	37x40x60mm
19	adjustable force roof mechanism	EN 2-4/3-6
20	s.steel pane suspension axle	M12x80mm
21	s.steel pane suspension screw	M16x65mm
22	aluminum opening-pane holding fitment	30x60x60mm
23	galvanized base with Ø12 s.steel spile	50x20x20mm
24	plastic base with Ø12 socket	50x20x20mm
25	double spile lock	
26	double lock nest	
27	s.steel base with Ø12 spile	Ø90

▪ vertical profiles:
❶ female (1kg/m)
❷ male (0.67kg/m)
❸ single wing (0.84kg/m)