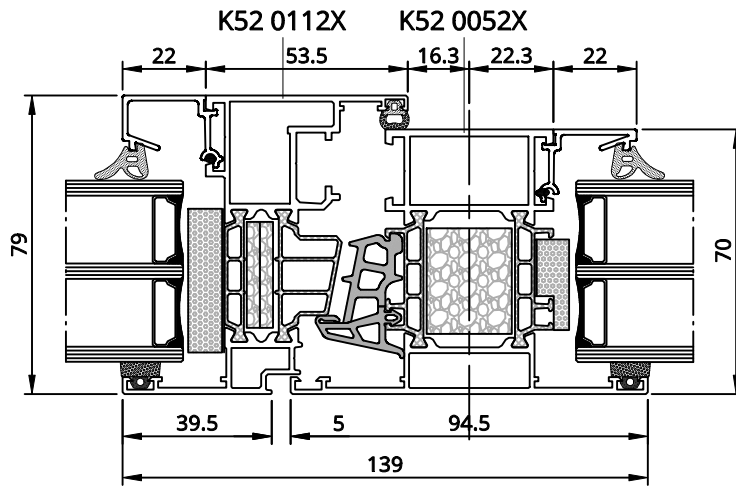
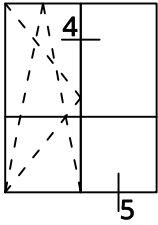
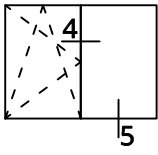
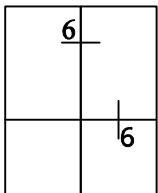
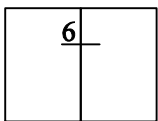
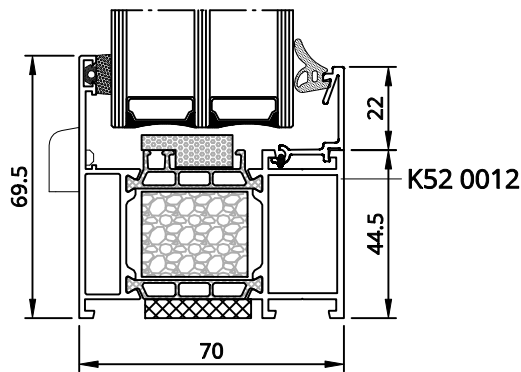


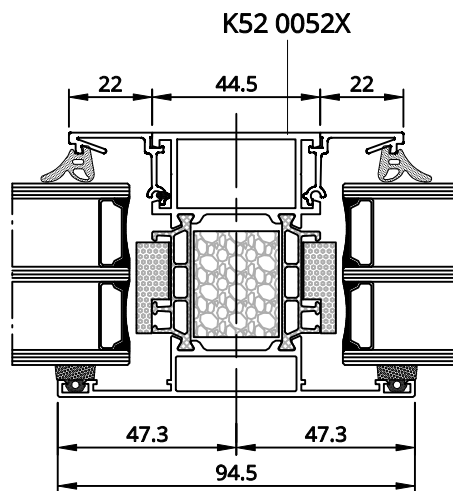
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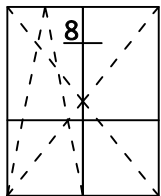
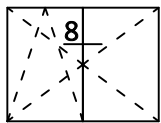
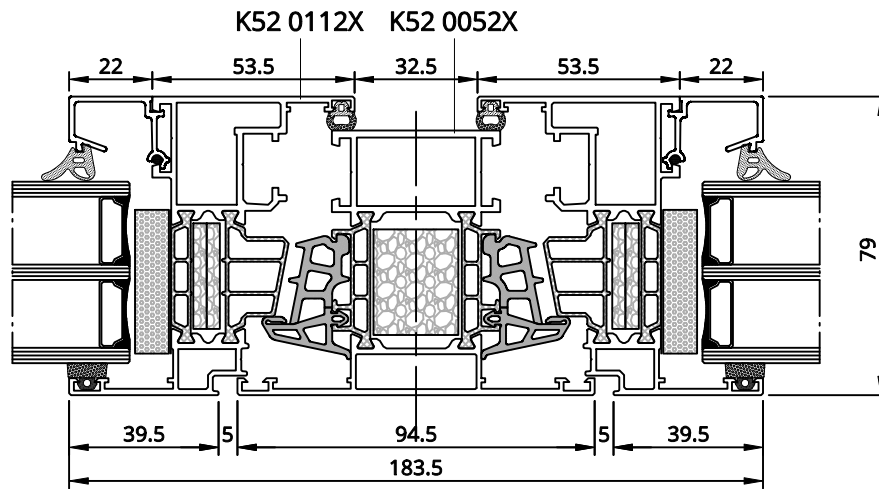
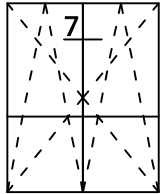
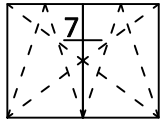
5



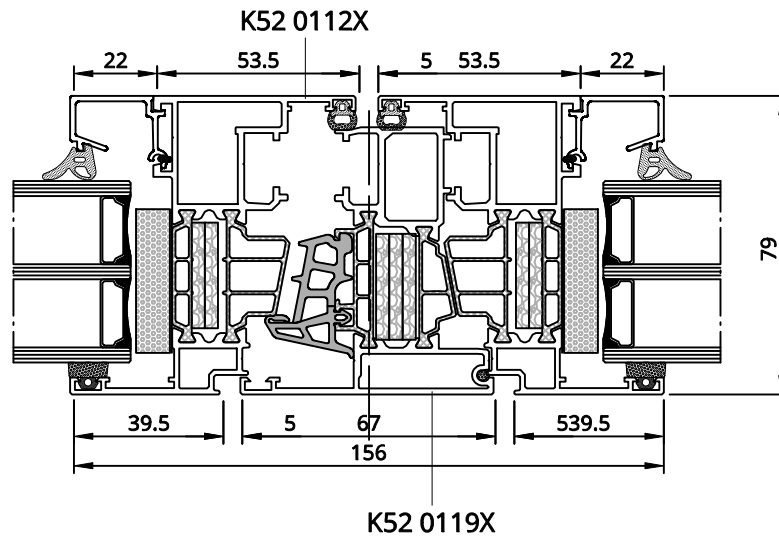
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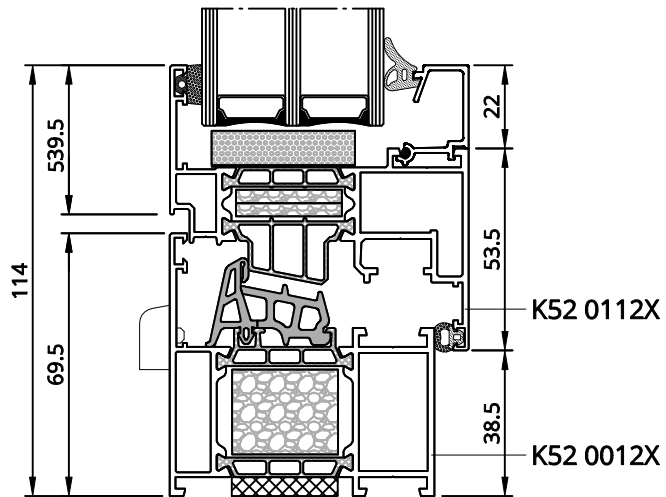
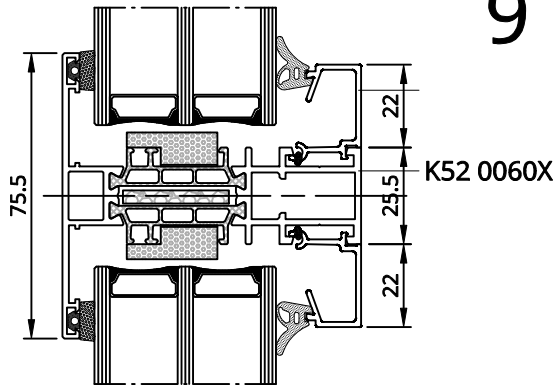
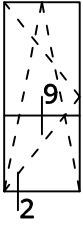


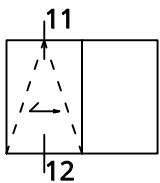
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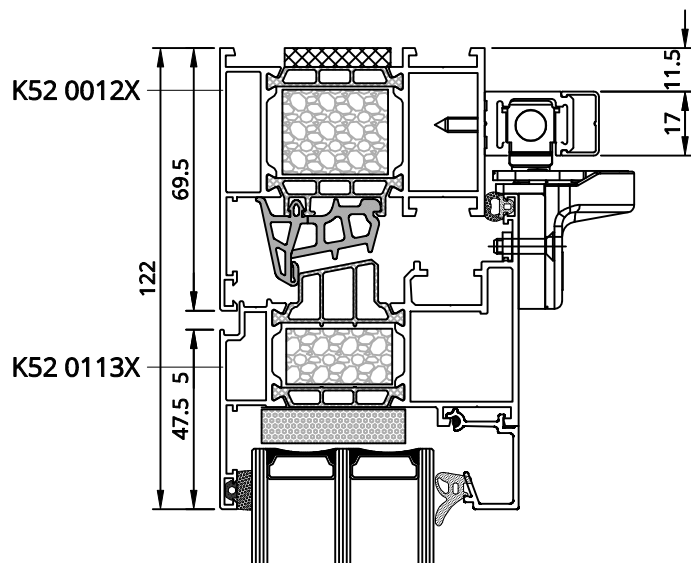
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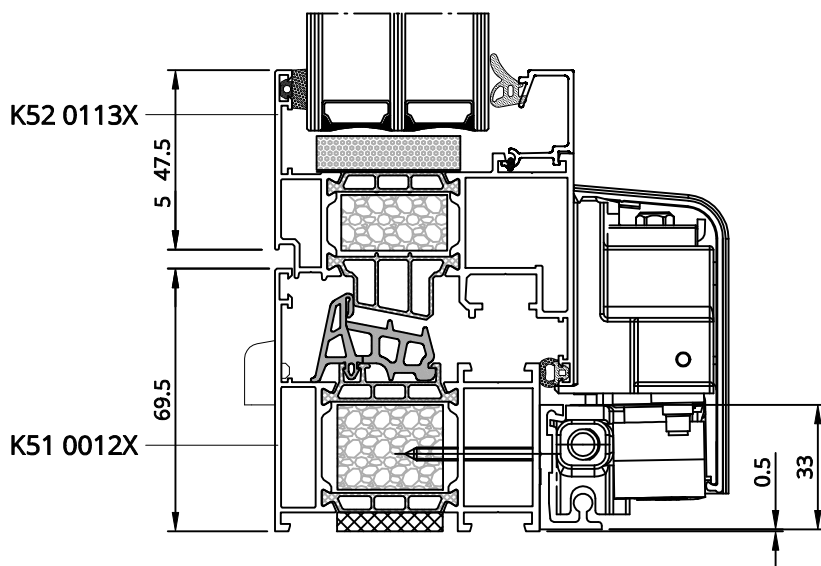


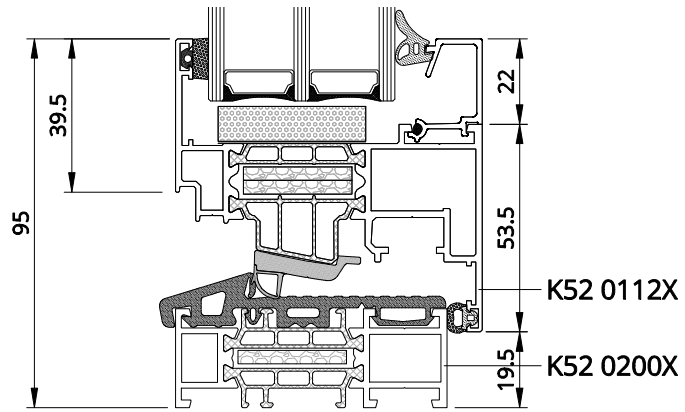


11



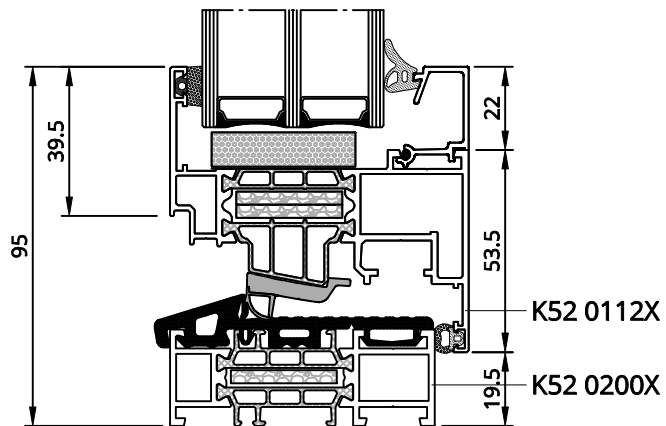
12

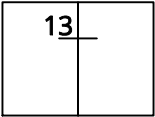




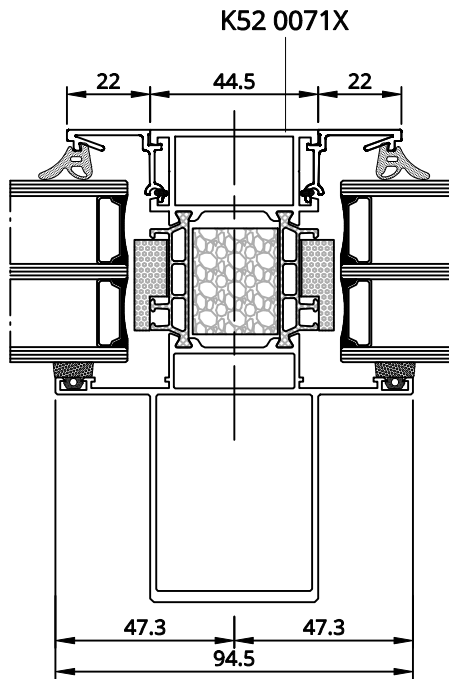


2''

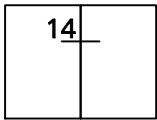




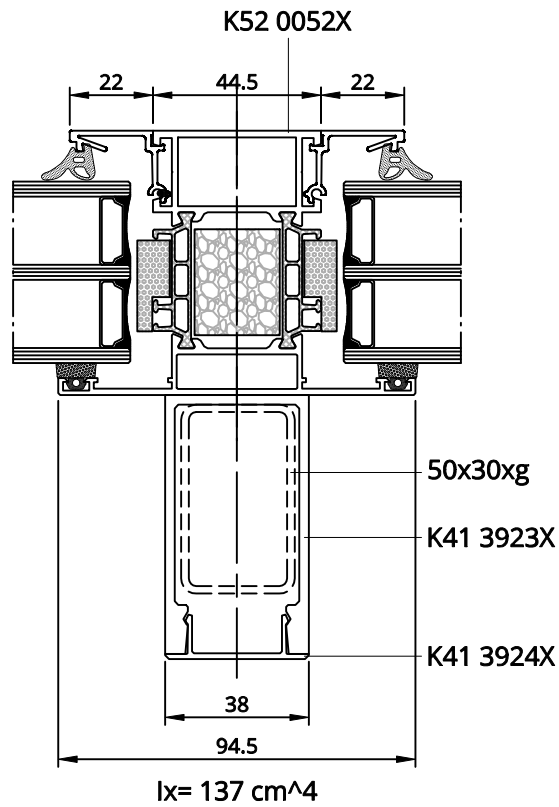
13



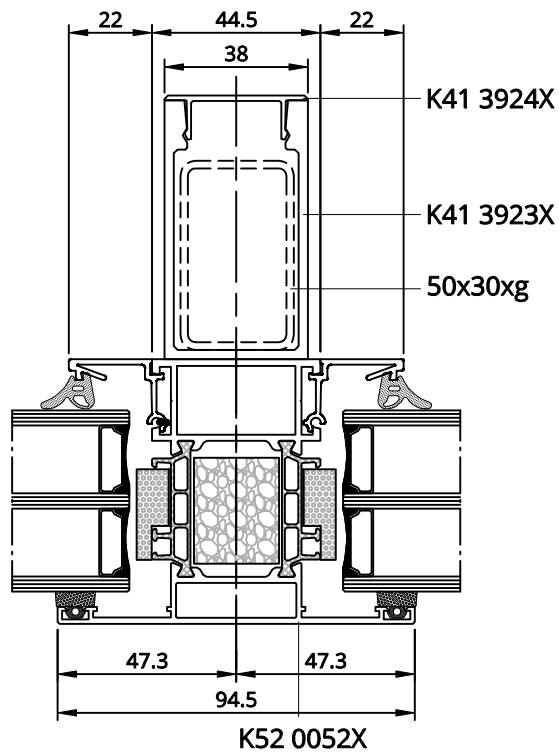
$I_x = 107,6 \text{ cm}^4$



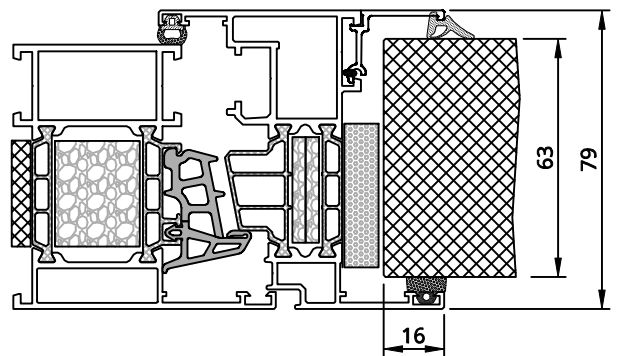
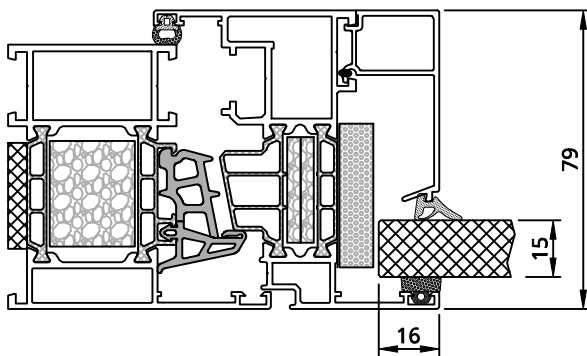
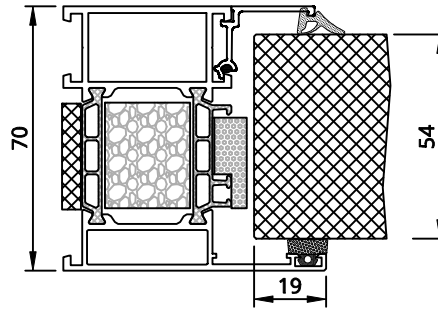
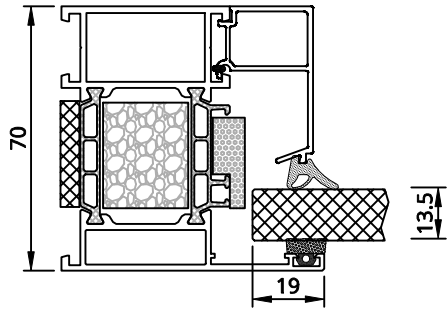
14



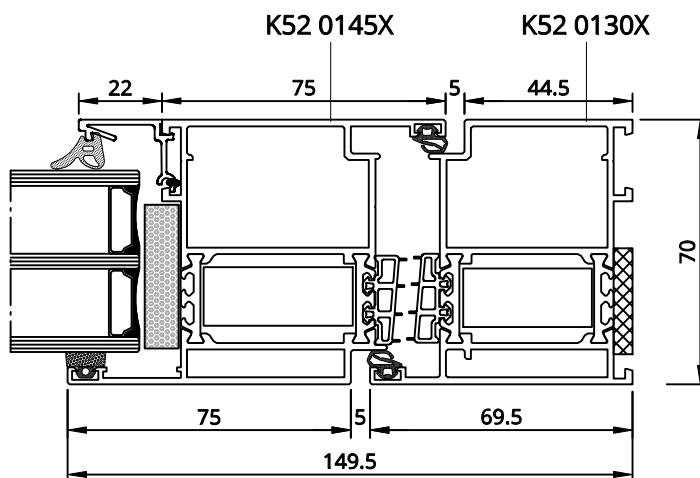
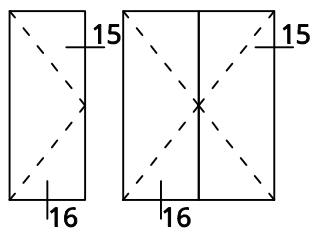
14'



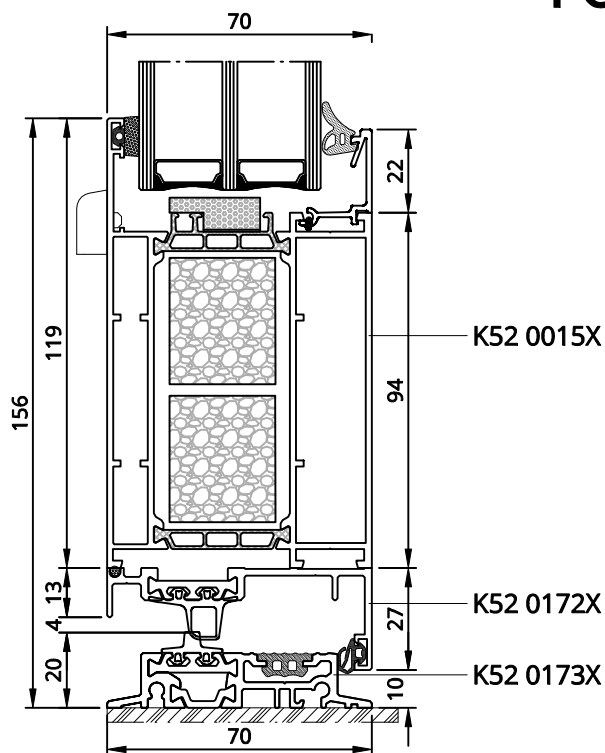
Szklenie
Glazing
Verglasung
Vetratura



15

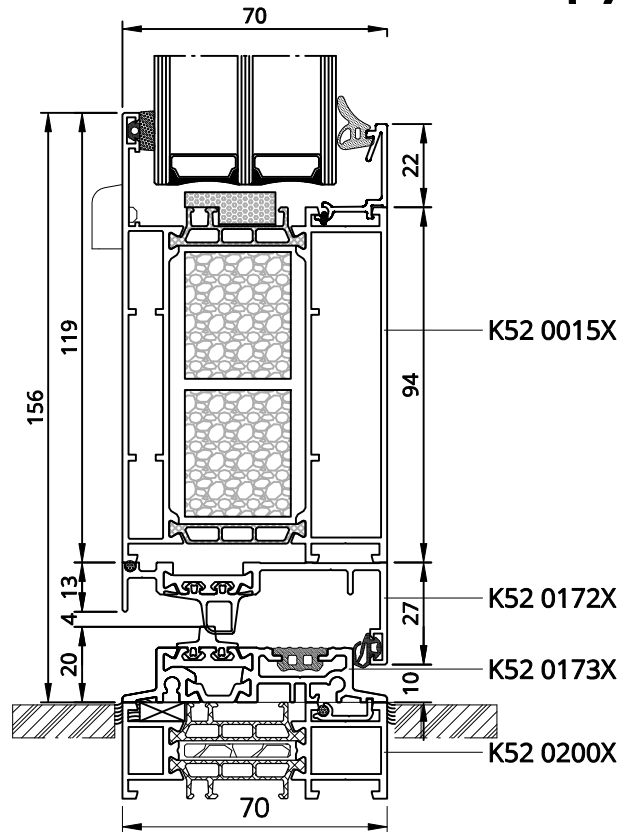
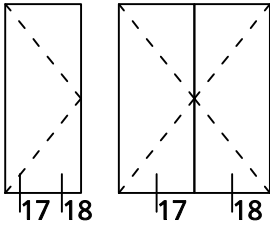


16



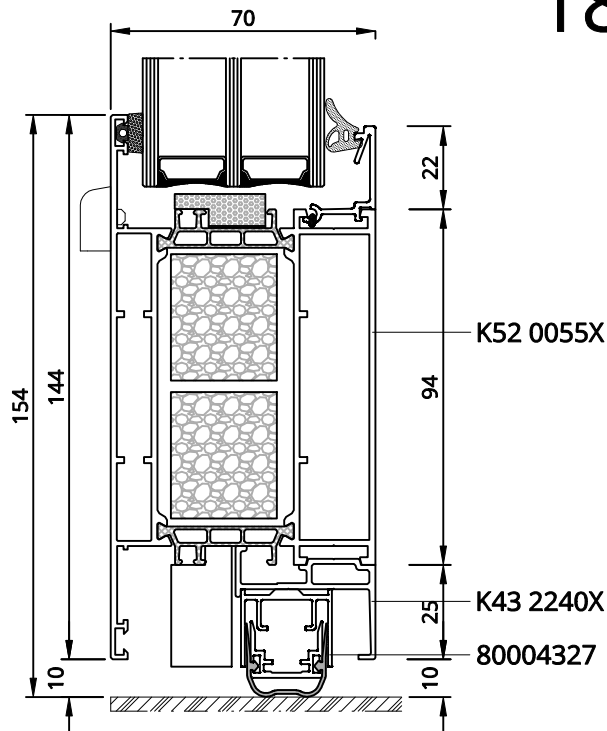
drzwi otwierane do wewnątrz
inward - opened door
Außentür nach innen öffnend
portoncino apertura verso interno

17

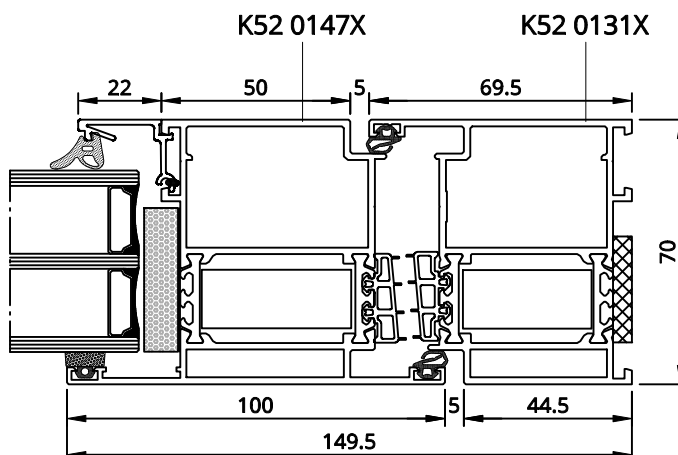
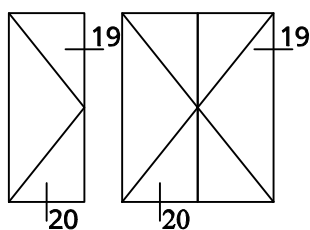


drzwi otwierane do wewnątrz
inward - opened door
Außentür nach innen öffnend
portoncino apertura verso interno

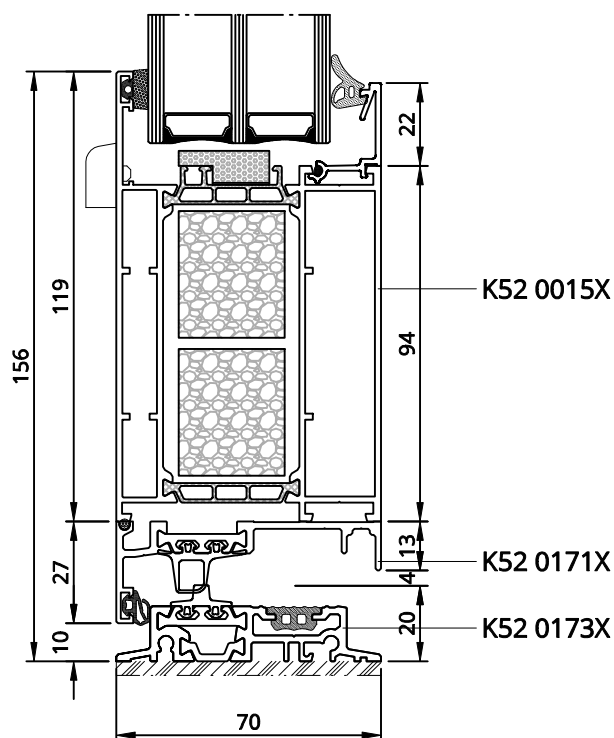
18



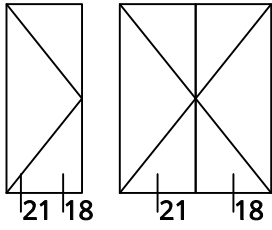
19



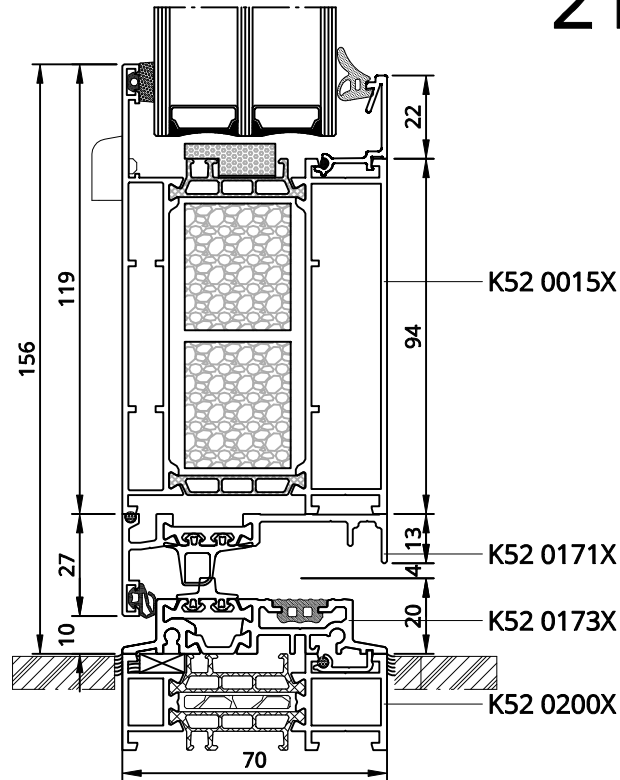
20



drzwi otwierane na zewnątrz
outward - opened door
Außen Tür nach außen öffnend
portoncino apertura verso esterno

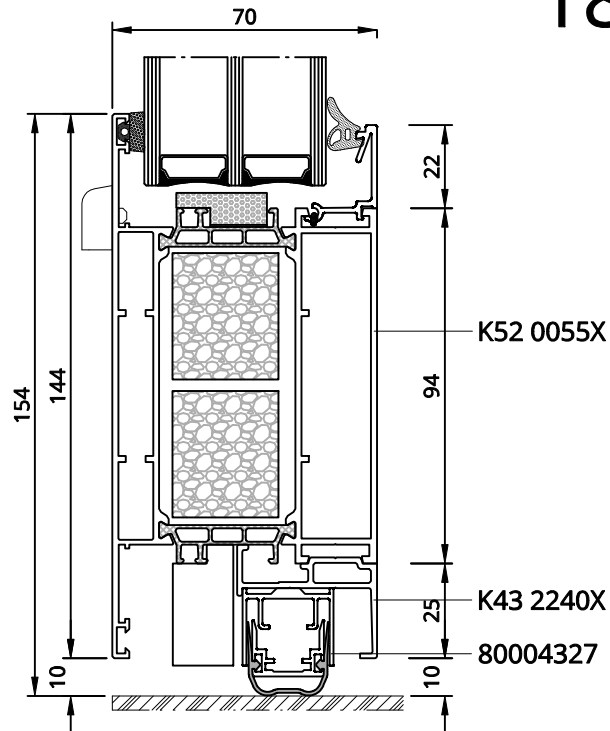


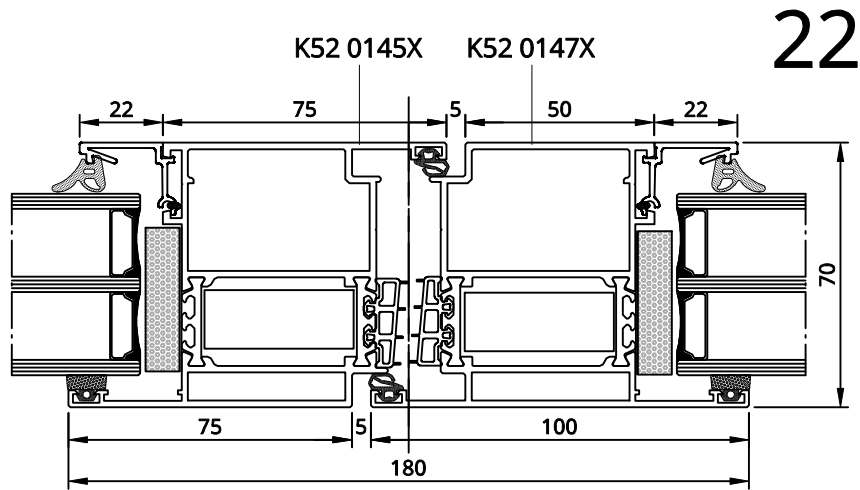
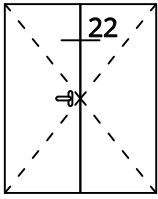
21



drzwi otwierane na zewnątrz
outward - opened door
Außentür nach außen öffnend
portoncino apertura verso esterno

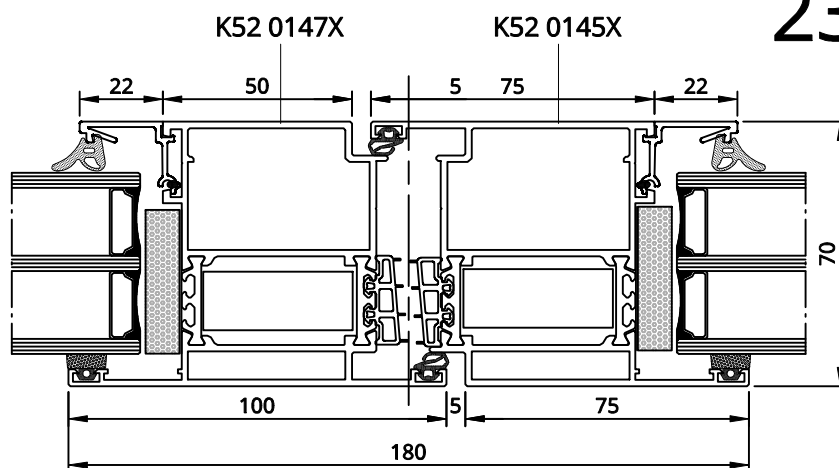
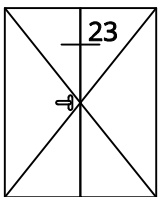
18





22

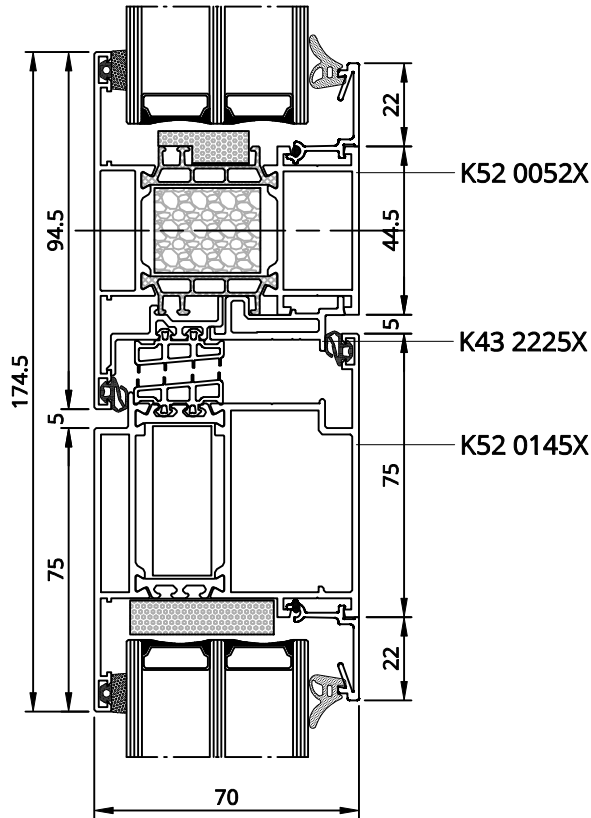
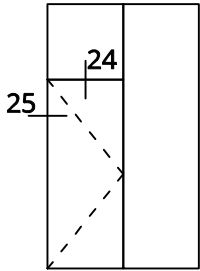
drzwi otwierane do wewnątrz
inward - opened door
Außentür nach innen öffnend
portoncino apertura verso interno



23

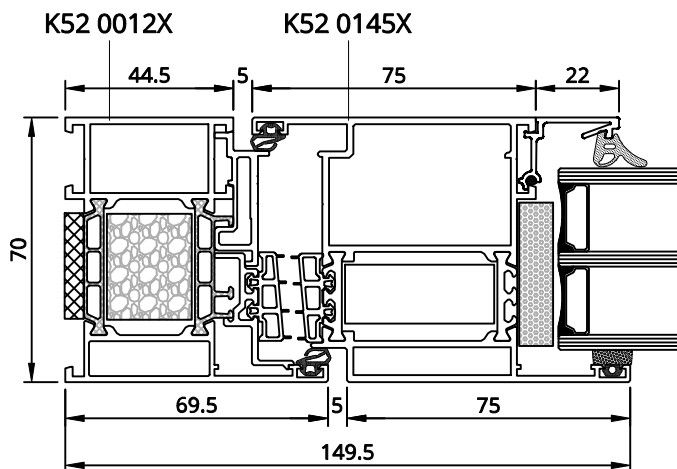
drzwi otwierane na zewnątrz
outward - opened door
Außentür nach außen öffnend
portoncino apertura verso esterno

24

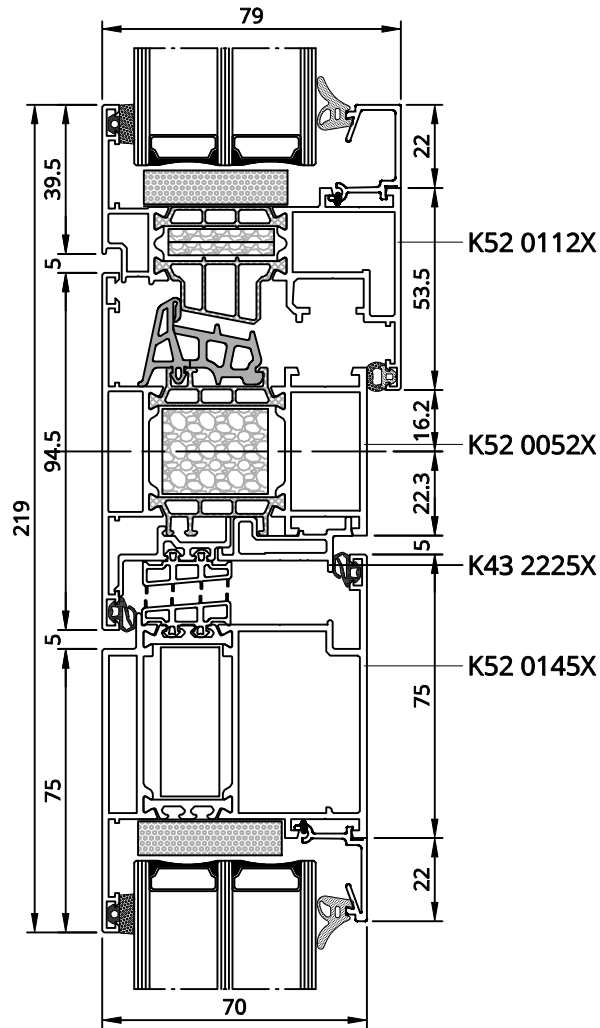
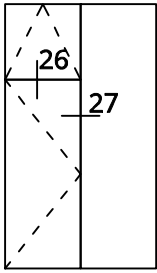


drzwi otwierane do wewnątrz
inward - opened door
Außentür nach innen öffnend
portoncino apertura verso interno

25

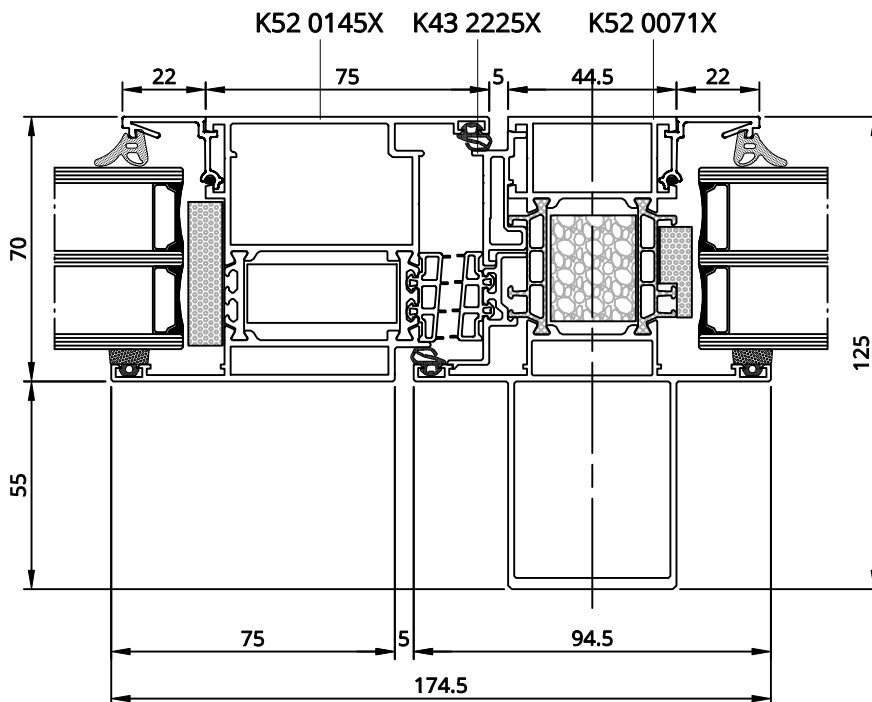


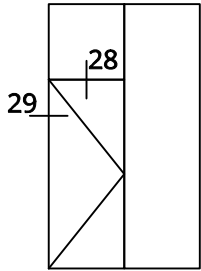
26



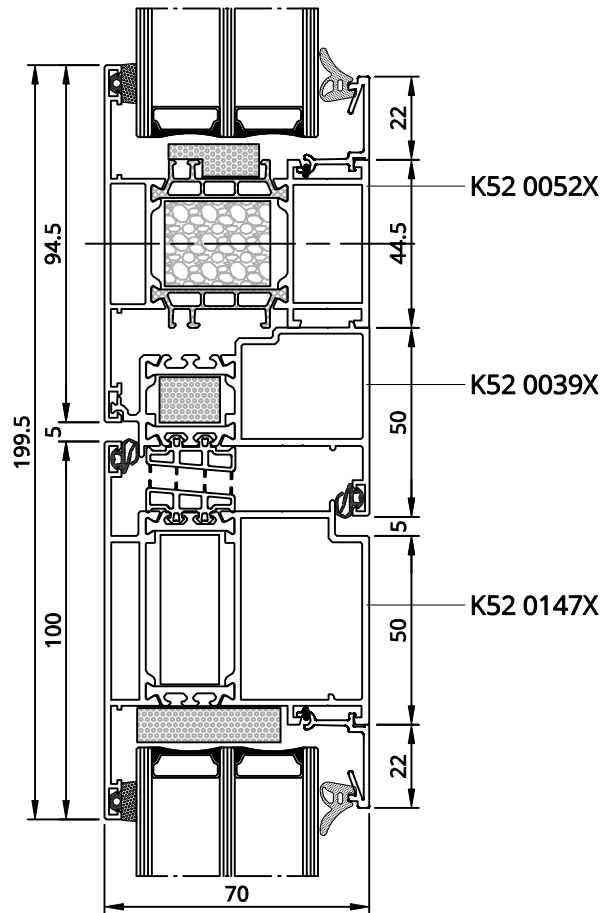
drzwi otwierane do wewnątrz
inward - opened door
Außen Tür nach innen öffnend
portoncino apertura verso interno

27



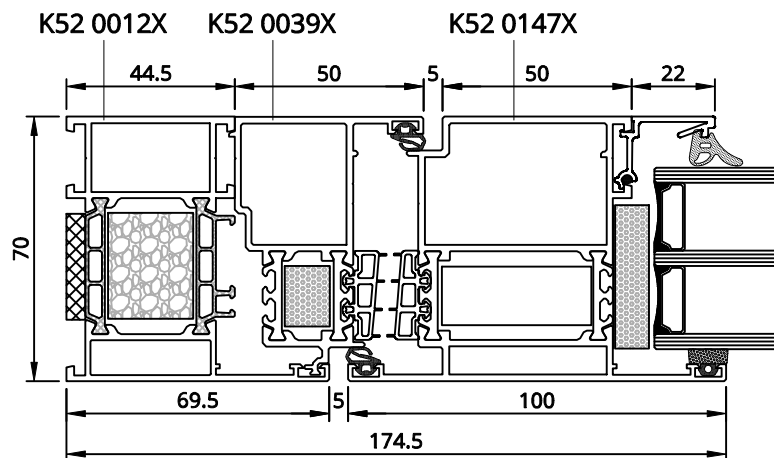


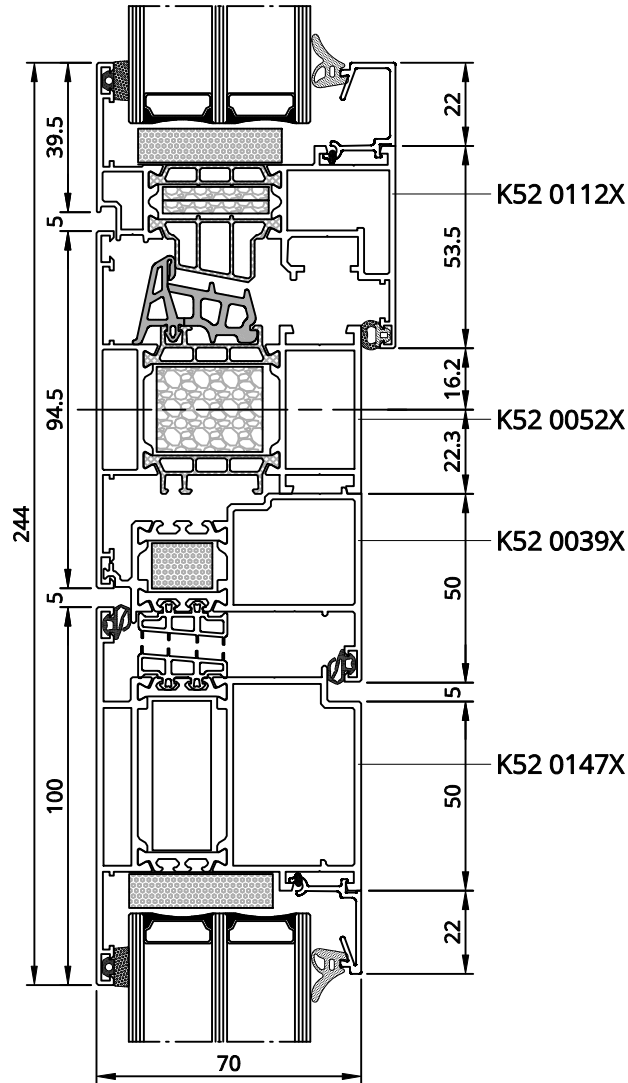
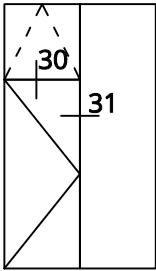
28



drzwi otwierane na zewnątrz
outward - opened door
Außentür nach außen öffnend
portoncino apertura verso esterno

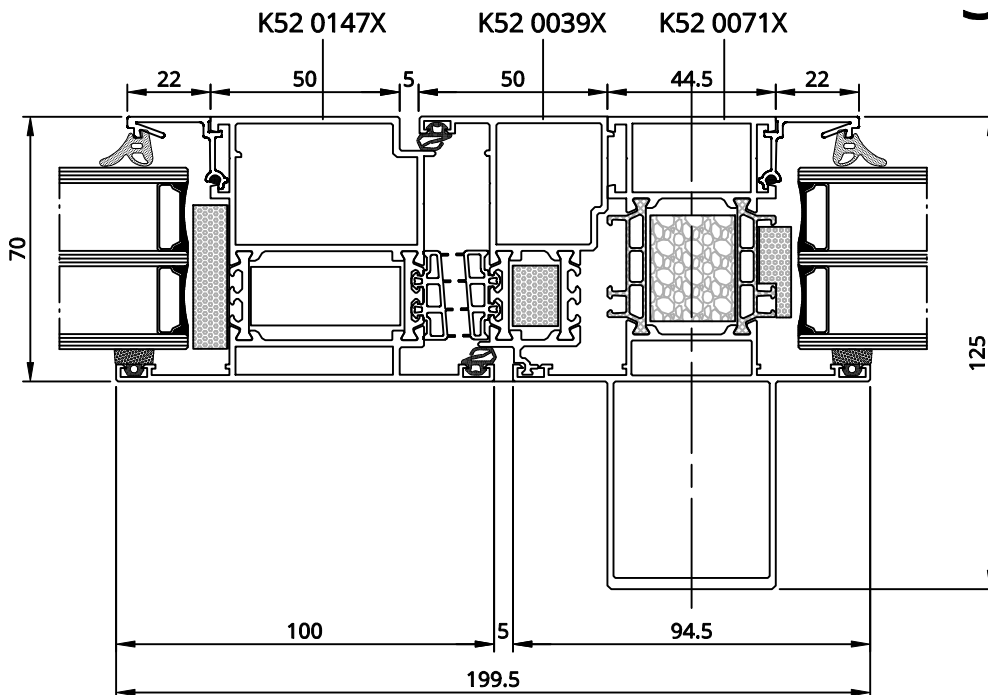
29

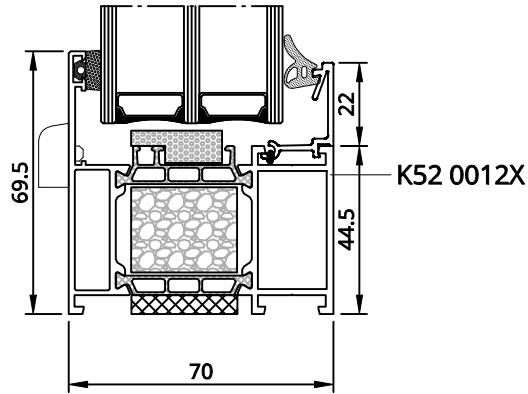
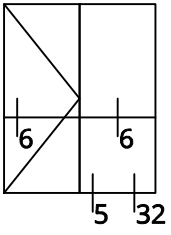




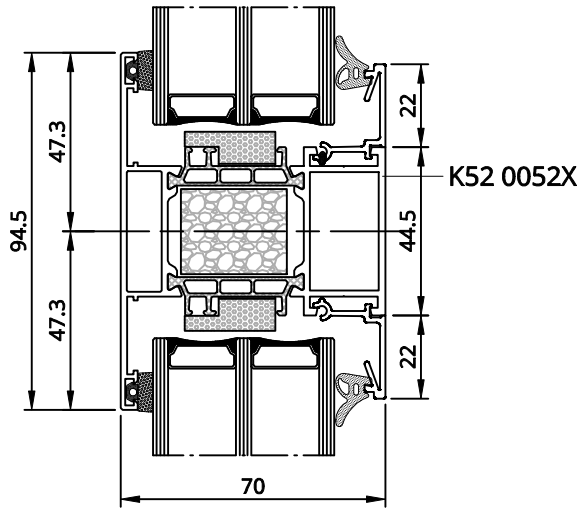
drzwi otwierane na zewnątrz
outward - opened door
Außentür nach außen öffnend
portoncino apertura verso esterno

31

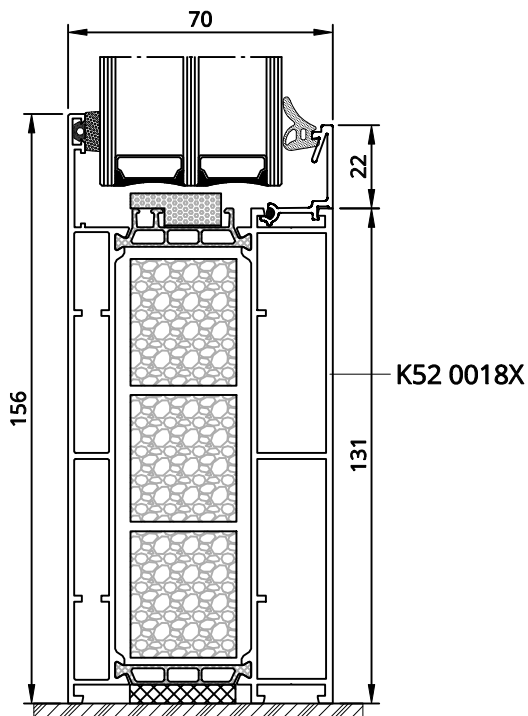




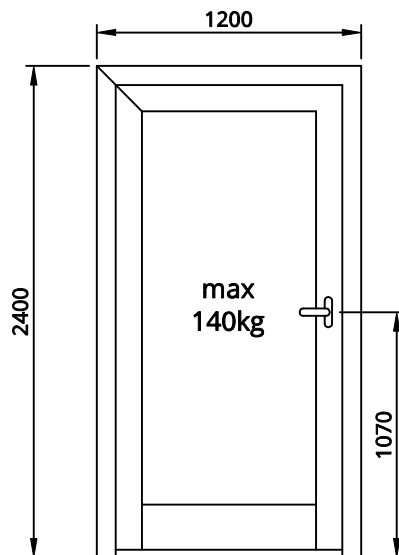
5



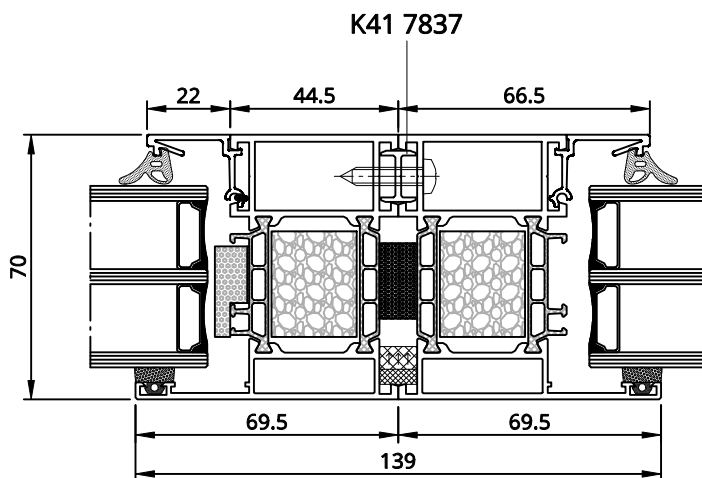
6



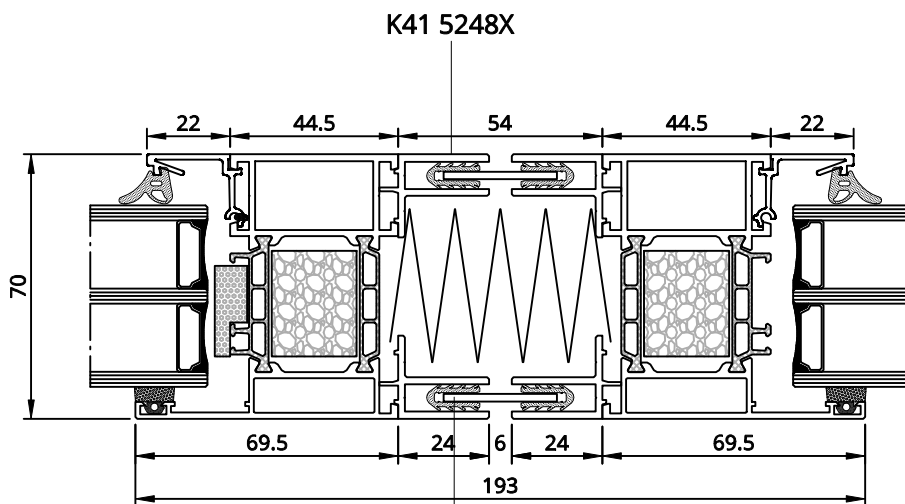
32



33
34



33

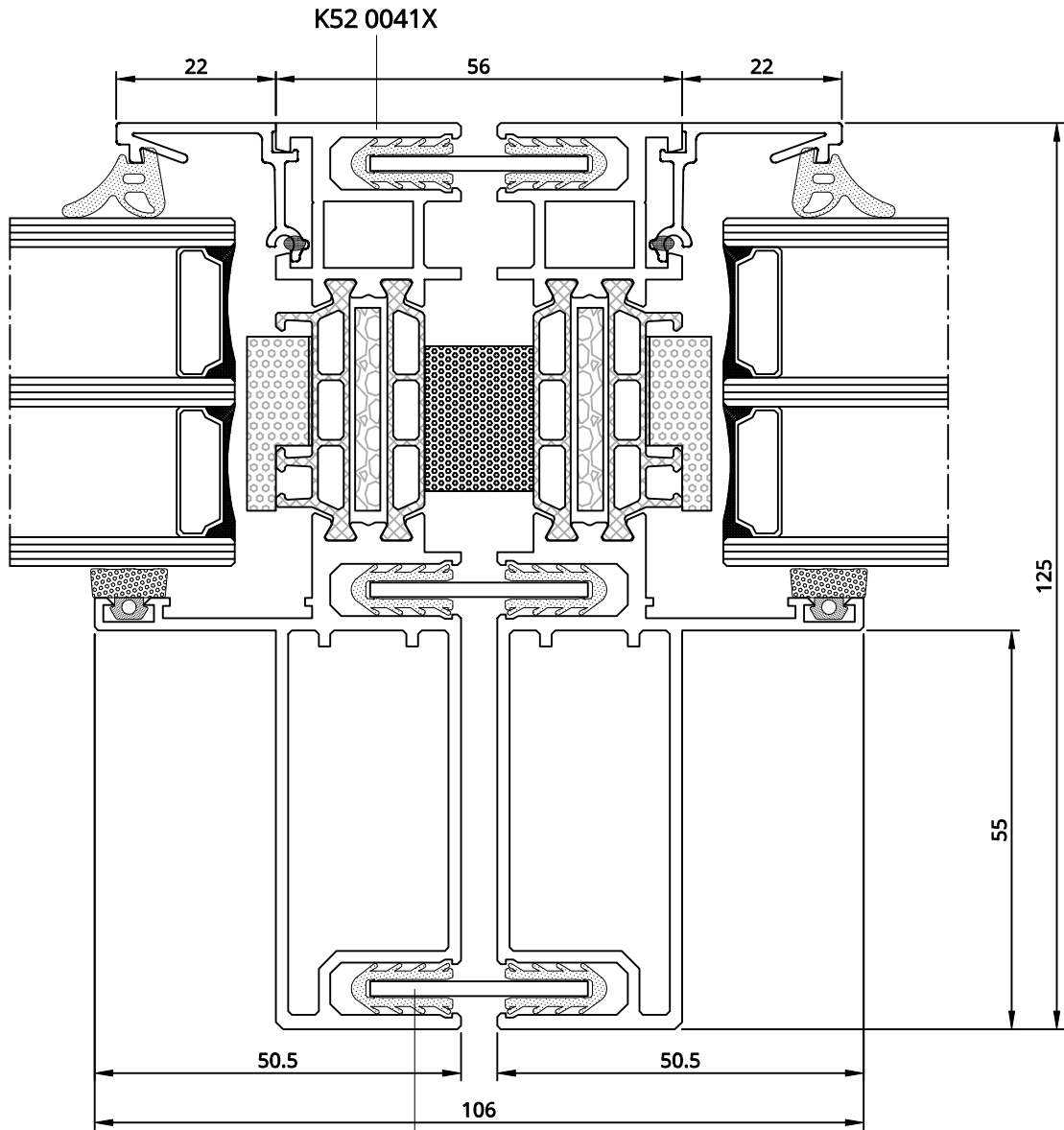


34

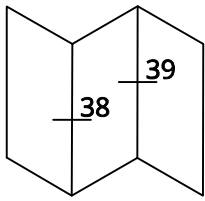
blacha alu. 2mm
2mm aluminium sheet
Alu-Blech 2mm

36

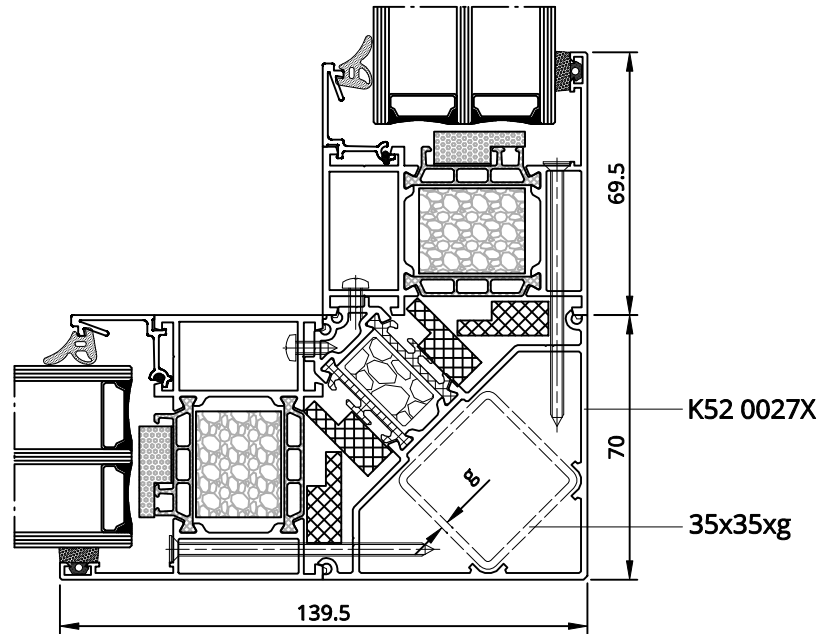
36



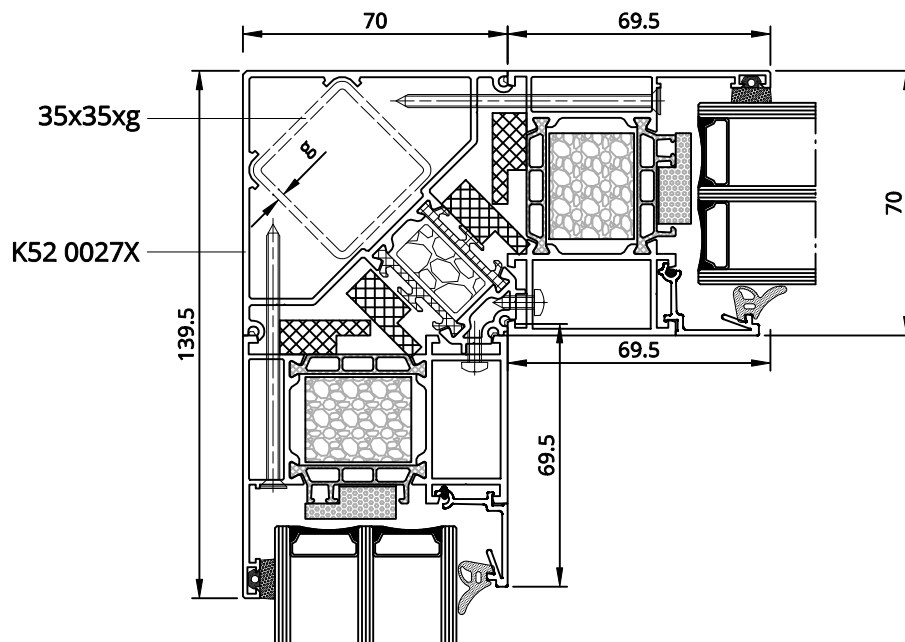
blacha alu. 2mm
2mm aluminium sheet
Alu-Blech 2mm



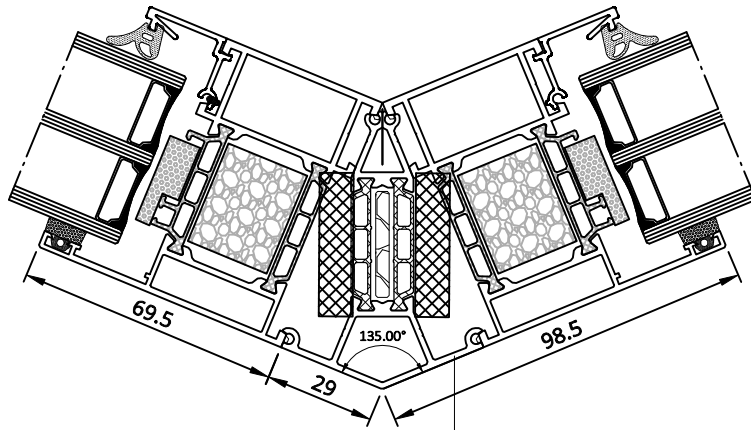
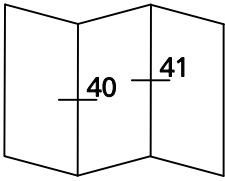
38



39

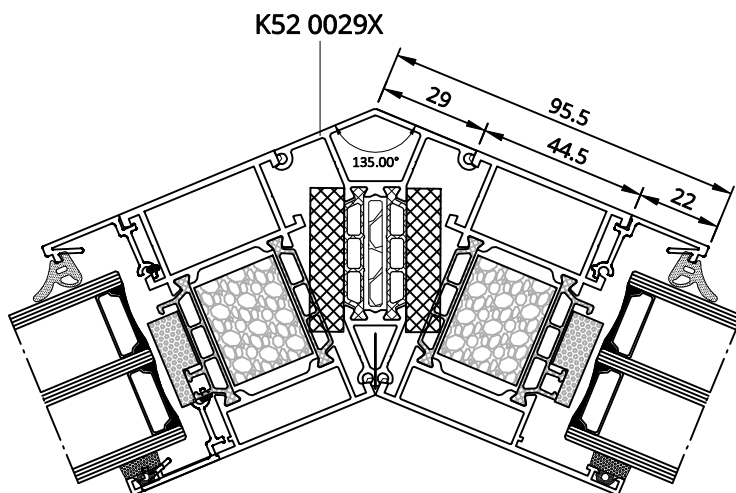


40

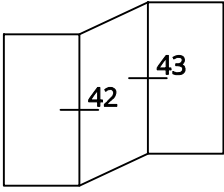


K52 0029X

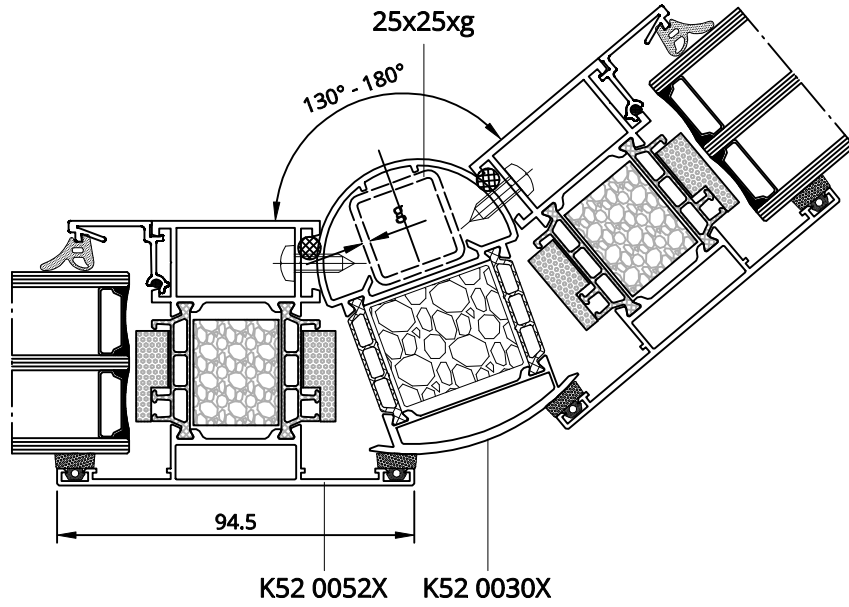
41



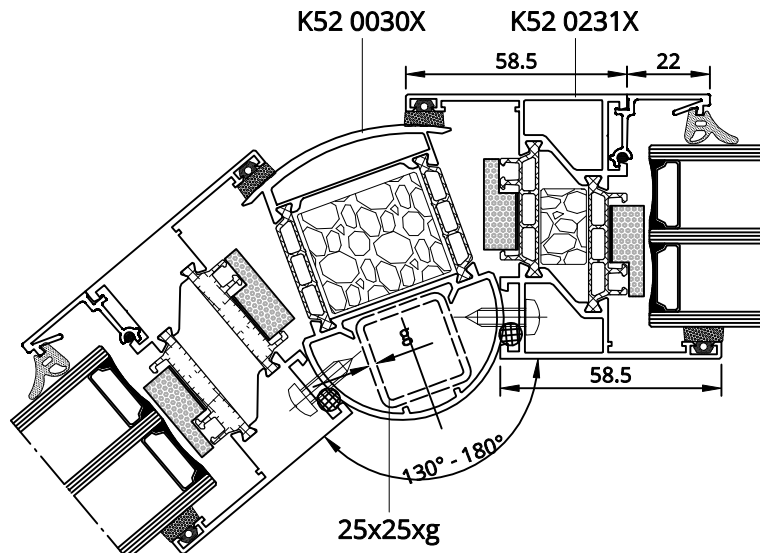
K52 0029X

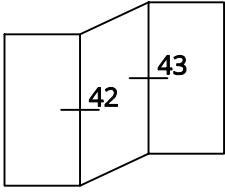


42



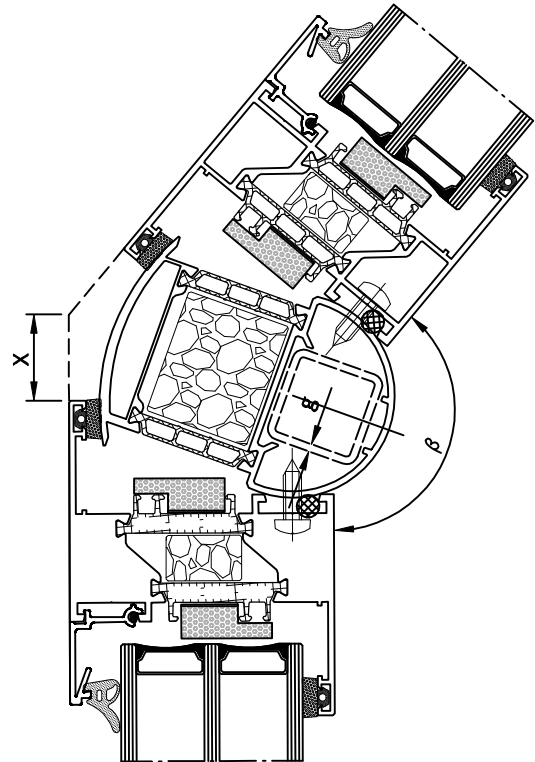
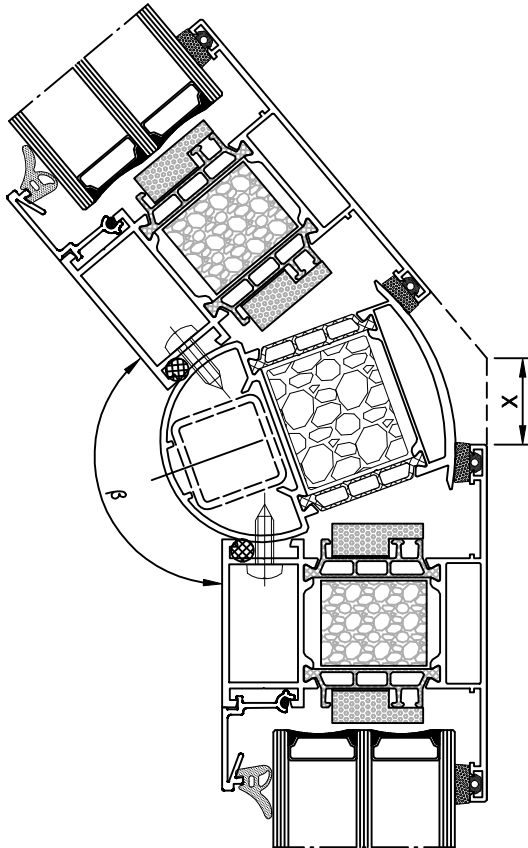
43



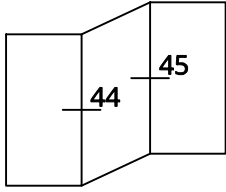


42

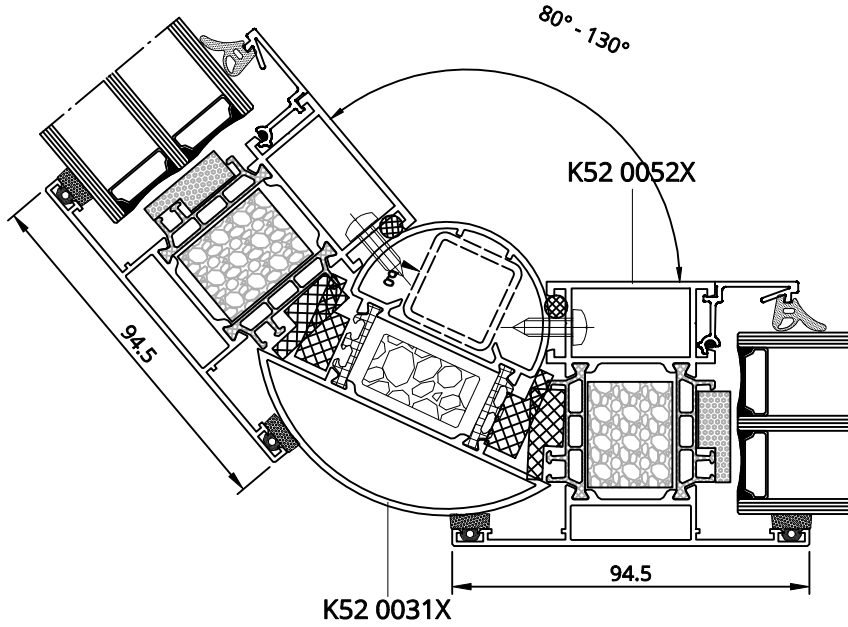
43



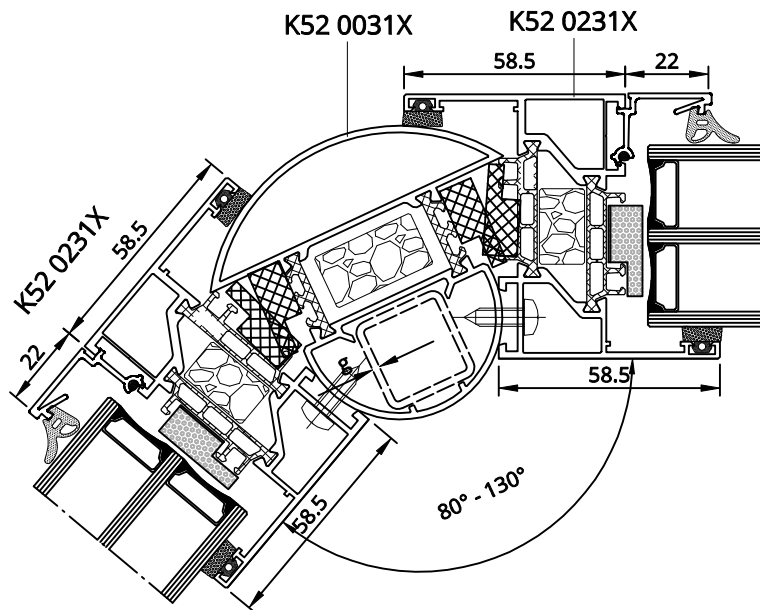
β	X
180	1
175	3,0
170	6,2
165	8,8
160	11,4
155	14,1
150	16,8
145	19,6
140	22,5
135	25,4
130	28,5

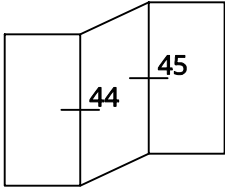


44



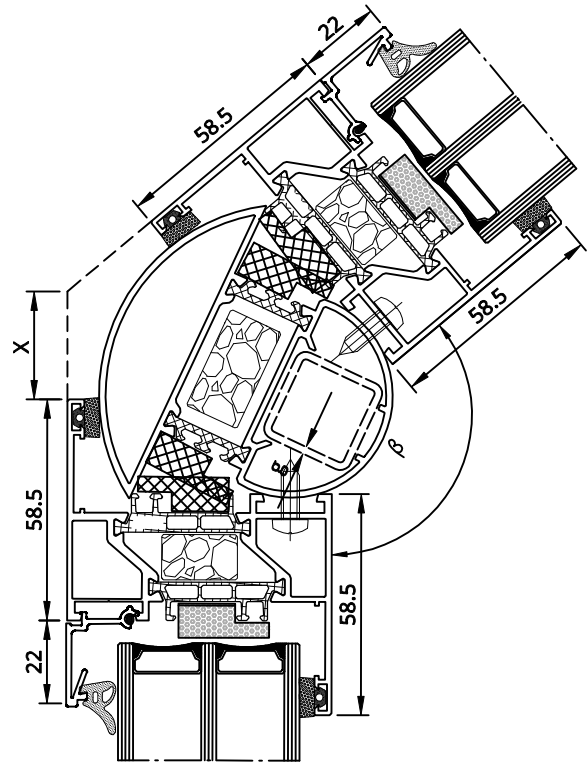
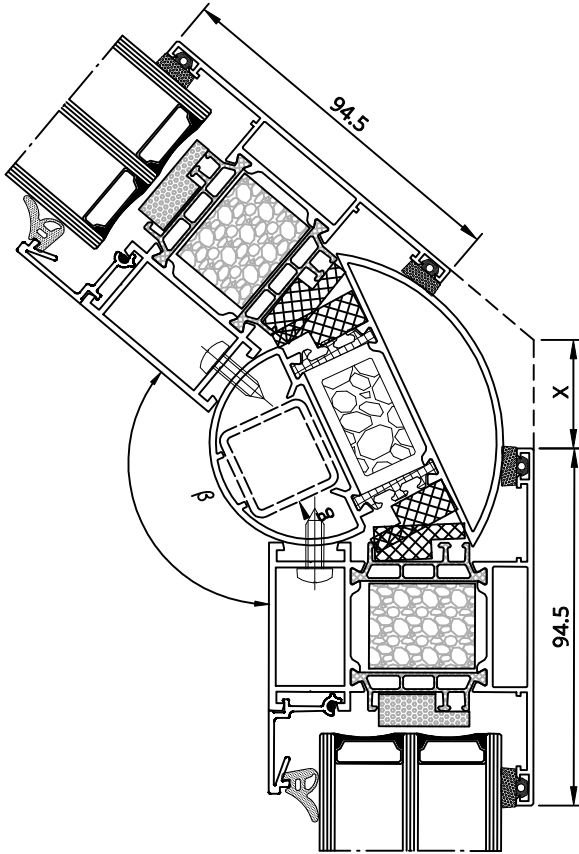
45





44

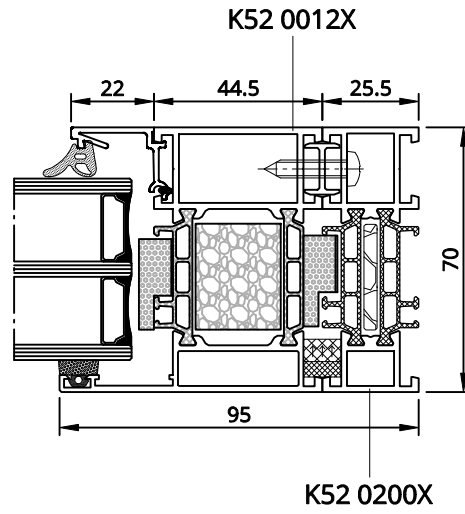
45



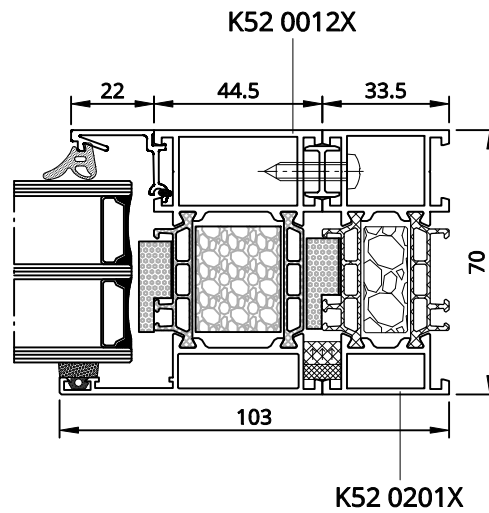
β	X
130	28,6
125	31,1
120	35,1
115	38,7
110	42,4
105	46,3
100	50,6
95	55,1
90	60,1
85	65,5
80	71,4

- 46
- 47
- 48

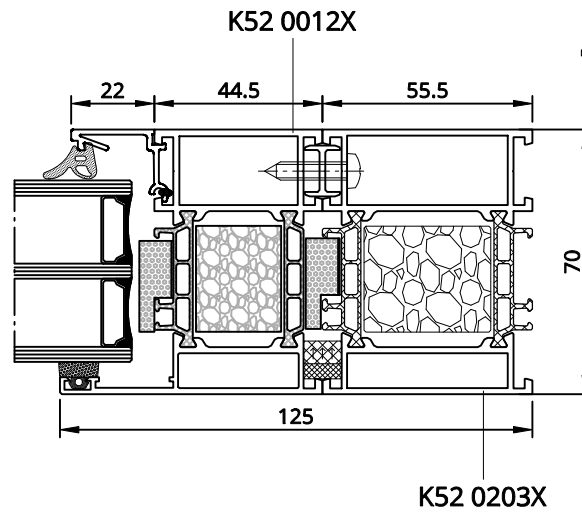
46

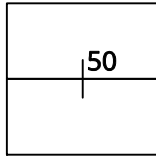
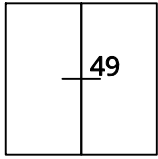


47

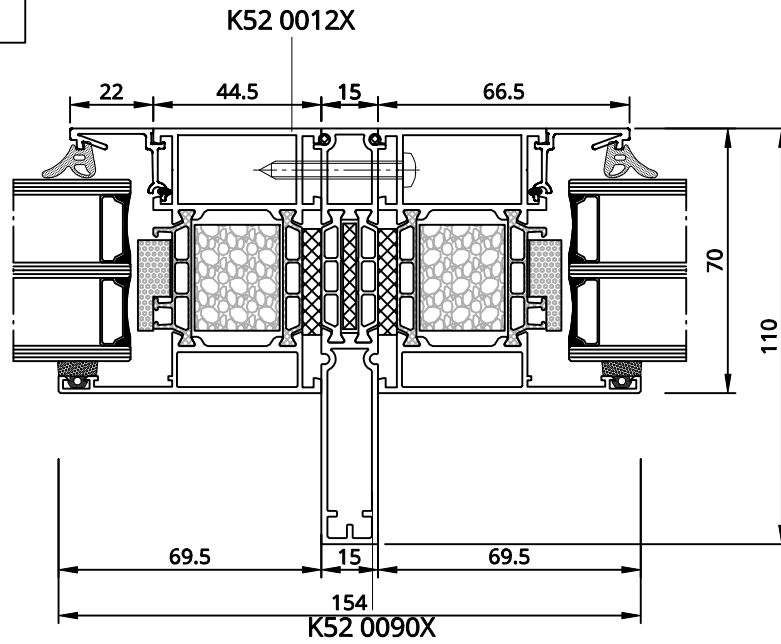


48

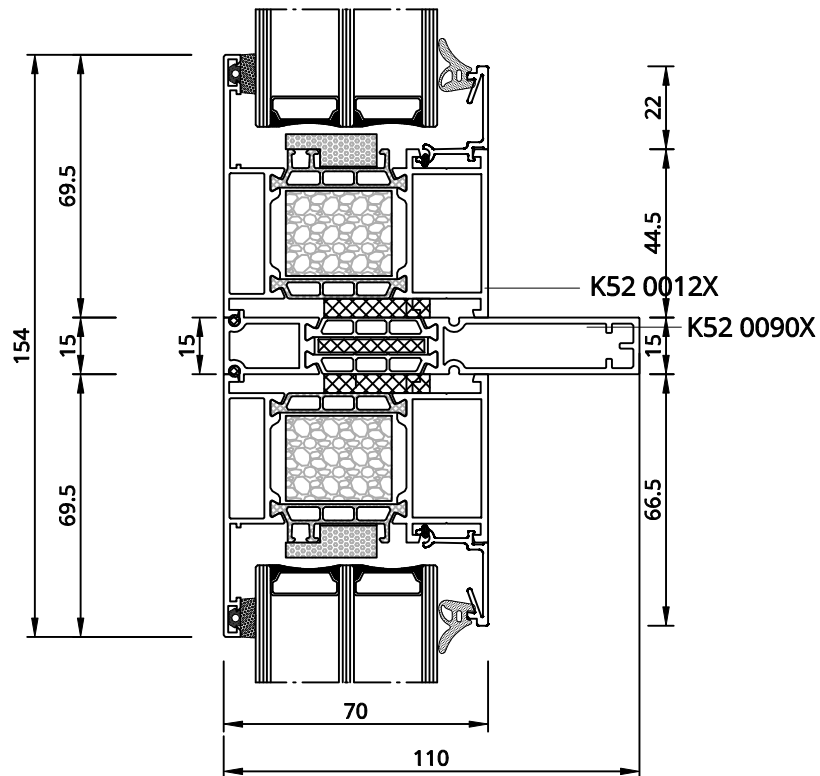


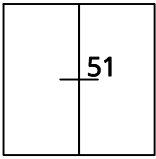


49

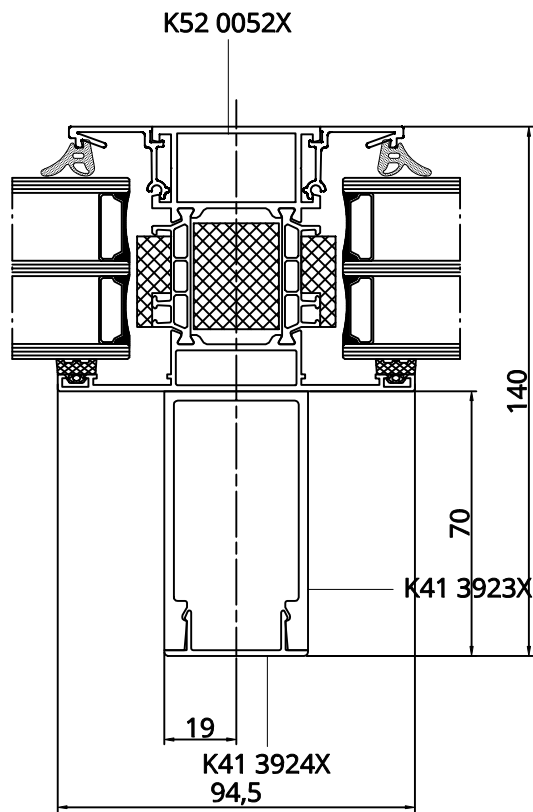


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ZESTAWIENIE PROFILI

K41 3923X	Kształtownik wzmacniający przewiązkę
K41 3924X	Listwa maskująca do K41 3923X
K41 7837	Łącznik H
K41 5248X	Listwa dylatacyjna
K43 2225X	Listwa przylgowa
K43 2240X	Listwa maskująca
K52 0090X	Słup montażowy wzmacniający 15mm
K52 0200X	Poszerzenie 25,5mm
K52 0201X	Poszerzenie 33,5mm
K52 0203X	Poszerzenie 55,5mm
K52 0012X	Ościeżnica 69,5mm
K52 0015X	Ościeżnica 119mm
K52 0018X	Ościeżnica 156mm
K52 0027X	Słupek kątowy 90°
K52 0029X	Słupek kątowy 135°
K52 0030X	Słupek o zmiennym kącie 130°-180°
K52 0031X	Słupek o zmiennym kącie 80°-130°
K52 0039X	Listwa zmiany kierunku
K52 0041X	Słupek stały dylatacyjny 50,5/55mm
K52 0052X	Przewiązka 94,5mm
K52 0055X	Przewiązka 144mm
K52 0060X	Przewiązka skrzydła okiennego 75,5mm
K52 0071X	Przewiązka skrzynkowa 94,5/44,5x55mm
K52 0112X	Skrzydło okienne 53,5mm
K52 0113X	Skrzydło okienne 61,5mm
K52 0119X	Słupek ruchomy
K52 0130X	Ościeżnica 69,5mm (do drzwi otwieranych do wewnątrz bez naświetla)
K52 0131X	Ościeżnica 69,5mm (do drzwi otwieranych na zewnątrz bez naświetla)
K52 0145X	Skrzydło drzwiowe dylatacyjne 75mm (drzwi otwierane do wewnątrz)
K52 0147X	Skrzydło drzwiowe dylatacyjne 100mm (drzwi otwierane na zewnątrz)
K52 0171X	Listwa przyprogowa
K52 0172X	Listwa przyprogowa
K52 0173X	Próg 14,5mm
K52 0231X	Ościeżnica 58,5mm
K41 3924X	Listwa maskująca 32mm
K41 3923X	Kształtownik wzmacniający przewiązkę 38mm
80004327	Uszczelka automatyczna
009108	Profil podokienny 47mm