

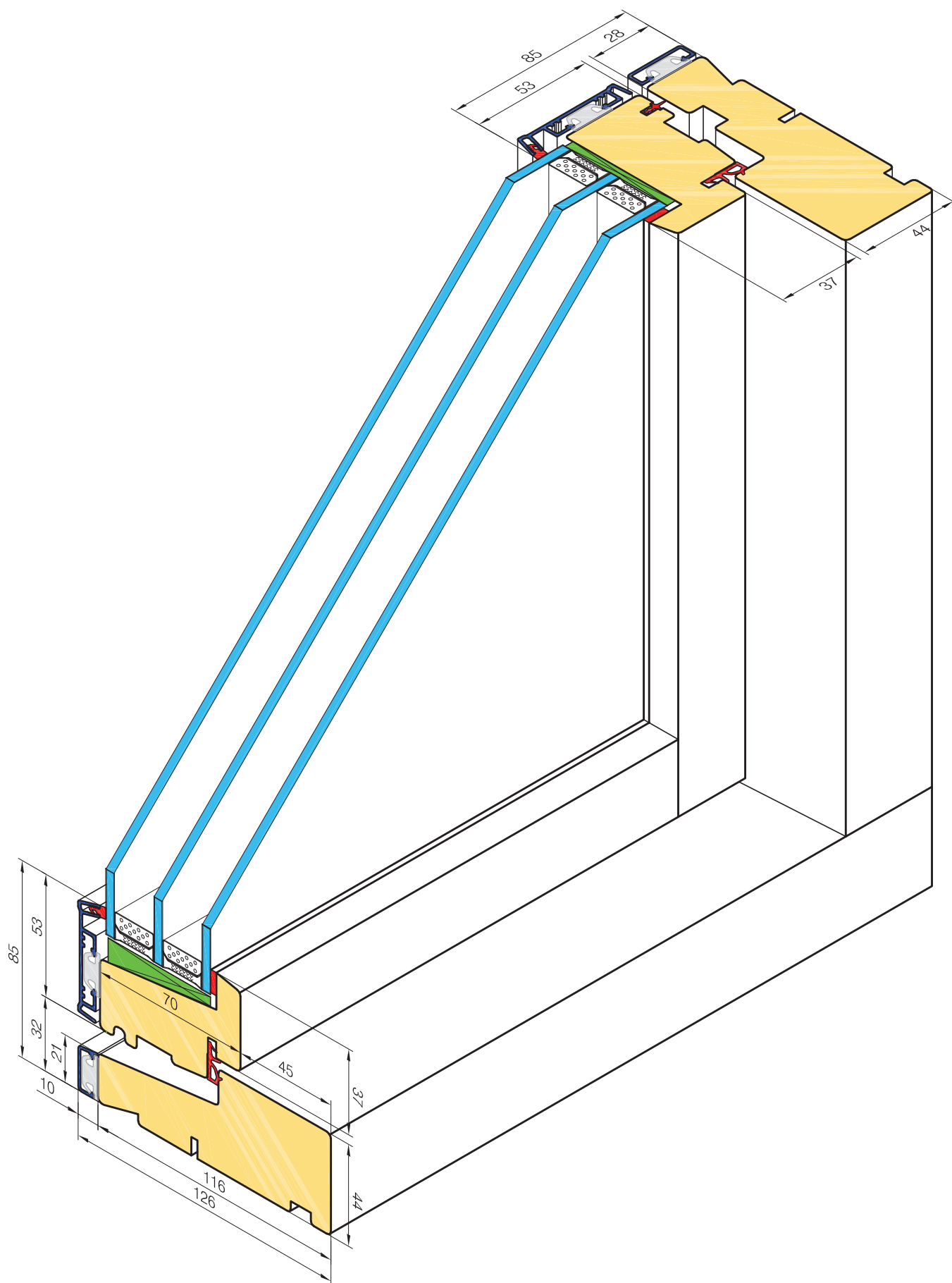
OPTIMA ALU

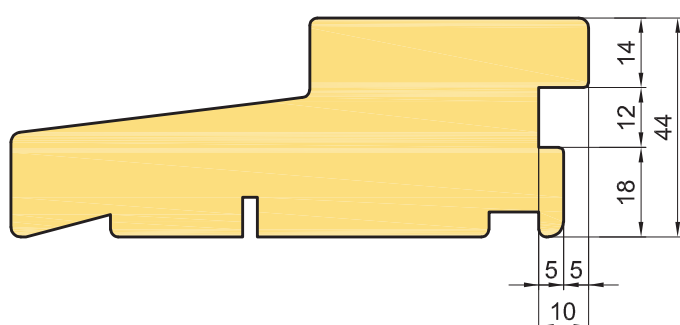
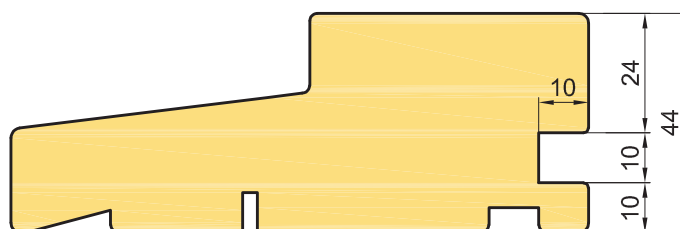
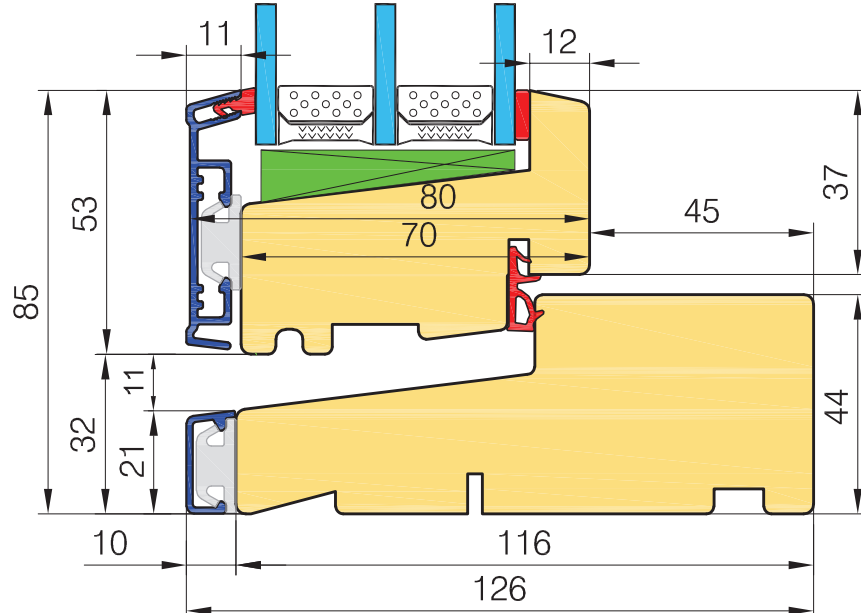
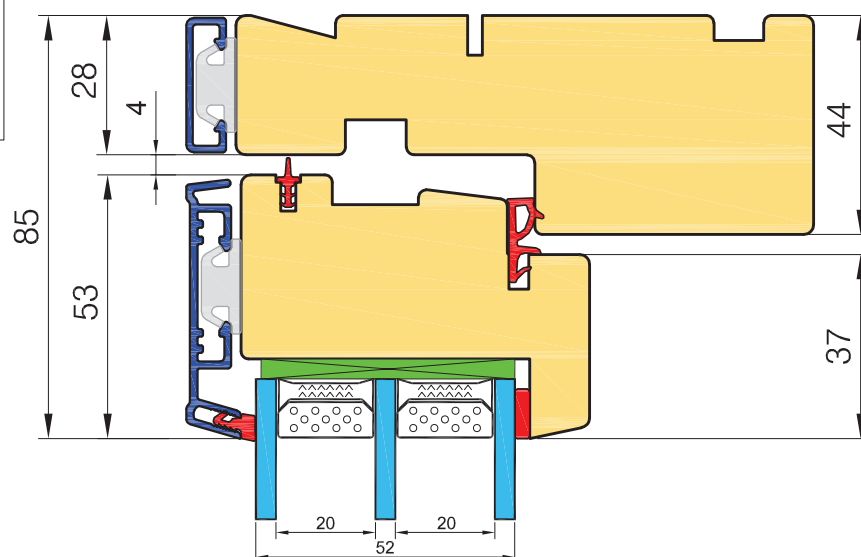
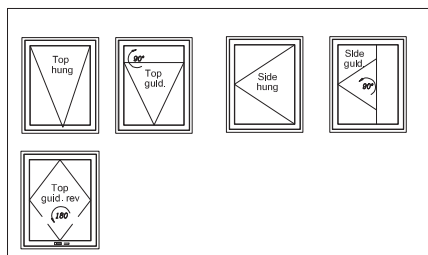
OKNA I DRZWI

L.p.	Cecha	Opis	Uwagi
1	KONSTRUKCJA	PROFIL: SOFT, CLASSIC	
2	MATERIAŁ	- sosna twardełowa mikrowcpepy,	
3	OPCJE OKUCIOWE	- skrzydło wklejone, - witrzna, - Side Hung (rozwierne z widocznymi zawiasami), - Side Hung haczyki (rozwierne z widocznymi zawiasami), - Side Swing 90, - Side Swing 90 haczyki, - Słupok ruchomy, - Topguided haczyki, - Topguided (odchylane na zewnątrz), - TopTurn 180 (obrotowe),	
4	KSZTAŁT WYROBU	- prostokątny - wszystkie opcje okuciowe, - trójkątne witrzyny - dopłata - trapezowy witrzyny - dopłata	
5	WYMIARY GABARYTOWE	Max i min wymiary okien jednoskrzydłowych: - Side hung: Sz= 402 - 875mm, Hz= 360 - 1764mm, - Topguided (odchylane na zewnątrz): Sz= 350 - 1568mm, Hz= 350 - 1600mm, - Side Swing 90°: Sz= 420 - 884mm, Hz= 364 - 1764mm, - Top Turn 180°: Sz= 360 - 1578mm, Hz= 588 - 1568mm - Drzwi: Sz= 460 - 1116; Hz max= 2445mm. (max ciężar skrzydła drzwiowego - 80kg)	
6	SZYBY	GRUBOŚĆ ZESTAWU SZYBOWEGO: - OPTIMA skrzydła - 38mm - OPTIMA witrzyna - 40mm - OPTIMA witrzyna z wyrównaniem - 38mm - OPTIMA ALU skrzydła - 52mm, - OPTIMA ALU witrzyna - 46mm, - OPTIMA ALU witrzyna z wyrównaniem - 46mm.	
7	WYKOŃCZENIE POWIERZCHNI	Malowanie ostateczne farbami wodorozcieńczalnymi kryjącymi lub transparentnymi	
8	KOLOR	- kolory z palety RAL, - Transparent TM1504, TM1703, TM1515, TM7130, TM666, TM1501, TM367, TM5207, TM666, TM9012,	
9	SZPROSY	- konstrukcyjny 60mm, 104mm. - wiedeński 25mm, 42mm, 60mm. - wewnętrzny szybowy,	
10	SZEROKOŚCI ELEMENTÓW KONSTRUKCYJNYCH	OKNA Szerokość ramiaków w skrzydłach: 53mm, Szerokość elementów ościeżnicy: 44mm, DRZWI Szerokość ramiaków w skrzydłach: 104mm, Szerokość elementów ościeżnicy: 44mm,	
11	NAWIEWNIKI	OPTIMA i OPTIMA ALU a) Click Vent 268 biały lub szary, b) Click Vent 343 biały lub szary, OPTIMA a) Trimvent 90 HL 250 naturalny, biały, brązowy, b) Trimvent 90 HL 425 naturalny, biały, brązowy, c) Trimvent 90 HL 695 naturalny, biały, brązowy,	

L.p.	Cecha	Opis	Nietypowe	Uwagi
12	DODATKOWE ELEMENTY	OPTIMA Łącznik kątowny 135st OPTIMA + OPTIMA Łącznik kątowny 90st OPTIMA + OPTIMA Poszerzenie 116x20 Poszerzenie 116x30 Poszerzenie 116x50 Poszerzenie 116x60 Poszerzenie 116x70 Poszerzenie 116x80 Poszerzenie 116x90 Poszerzenie 116x100 Poszerzenie 116x110 Poszerzenie 116x120 Poszerzenie 116x130 Listwa transportowa pod próg 20x45mm Poszerzenie 90x20mm (wykończone jak wyrób) PURENIT: 30x60mm; 50x60; 60x60; 80x60; 90x60; 100x60; 110x60; 120x60; 130x60; 150x60; 180x60; 200x60; 210x60; 230x60; 250x60mm. OPTIMA ALU Łącznik kątowny 135st OPTIMAALU + OPTIMAALU Łącznik kątowny 90st OPTIMAALU + OPTIMAALU Łącznik prosty 118x120mm Łącznik 20x110 do nadstawek z profilem okapowym Z22 GUTMANN Poszerzenie 118x30 Poszerzenie 118x50 Poszerzenie 118x60 Poszerzenie 118x70 Poszerzenie 118x80 Poszerzenie 118x90 Poszerzenie 118x100 Poszerzenie 118x110 Poszerzenie 118x120 Poszerzenie 118x130 Listwa transportowa pod próg 20x45mm Poszerzenie dolne pod próg 20x110mm (tylko drewno, wykończone jak wyrób) Poszerzenie dolne pod próg 30x110mm (tylko drewno, wykończone jak wyrób) PURENIT: 30x60mm; 50x60; 60x60; 80x60; 90x60; 100x60; 110x60; 120x60; 130x60; 150x60; 180x60; 200x60; 210x60; 230x60; 250x60mm.		

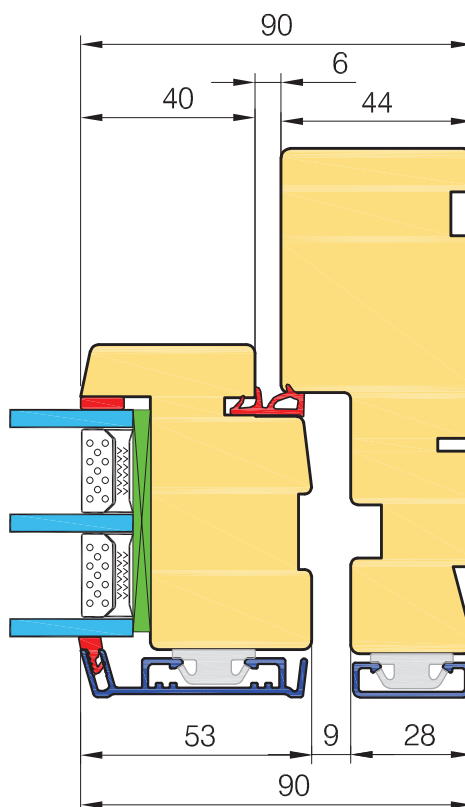
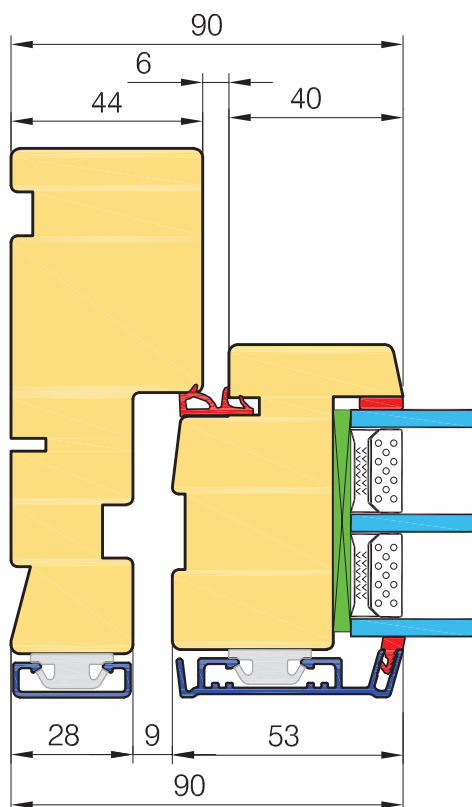
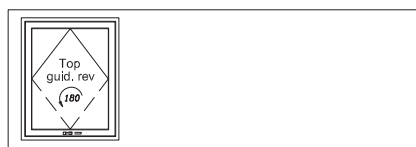
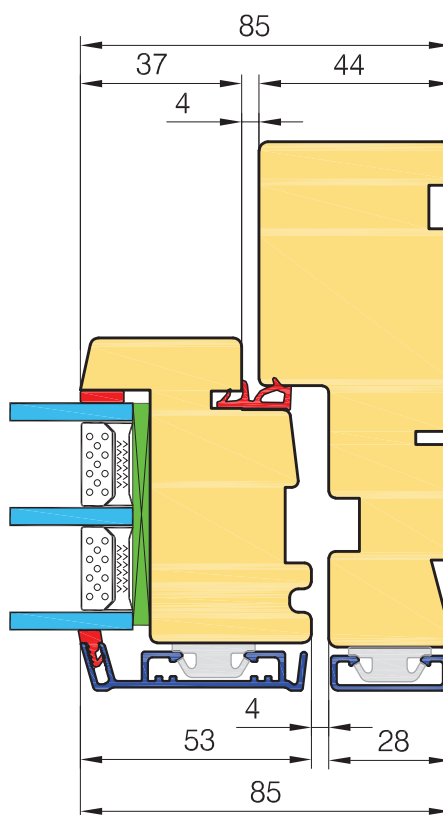
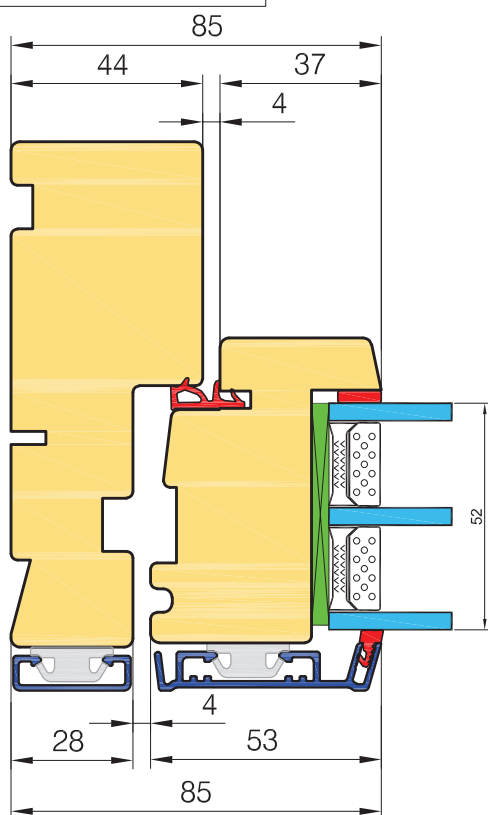
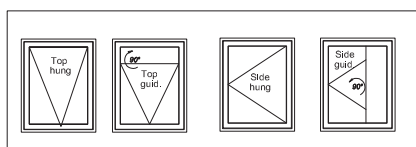
OPTIMA ALU - PROFIL SOFT - OKNO



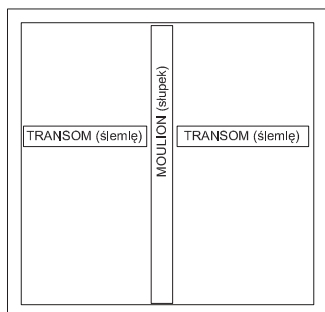


podcięcia pod parapety:

- rowek od wewn. 10x10 mm,
- podc. od wewn. pod parapet 10x12 mm,

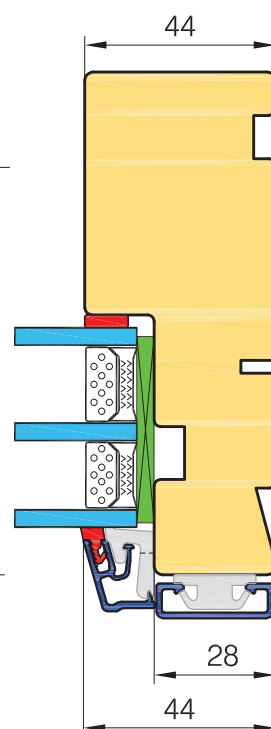
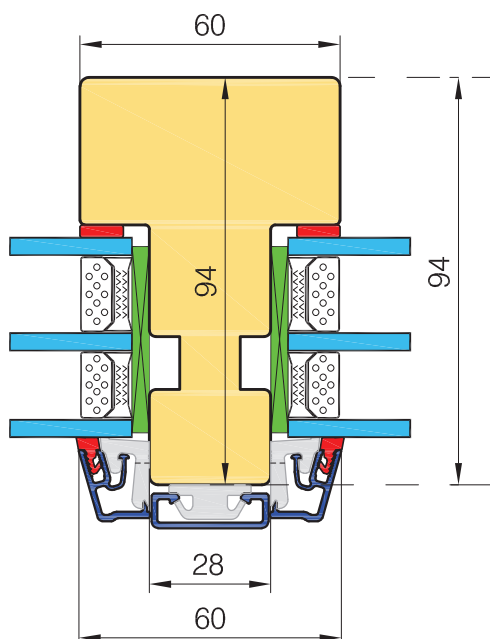
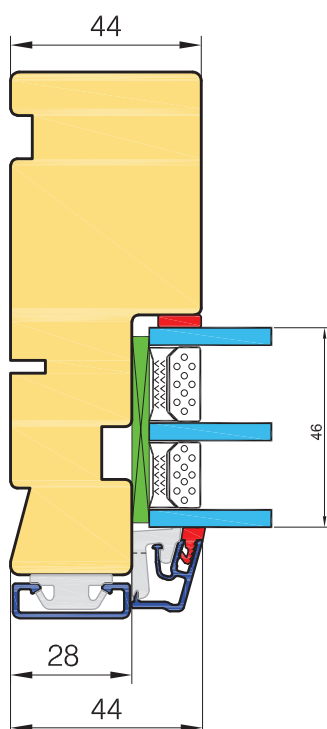
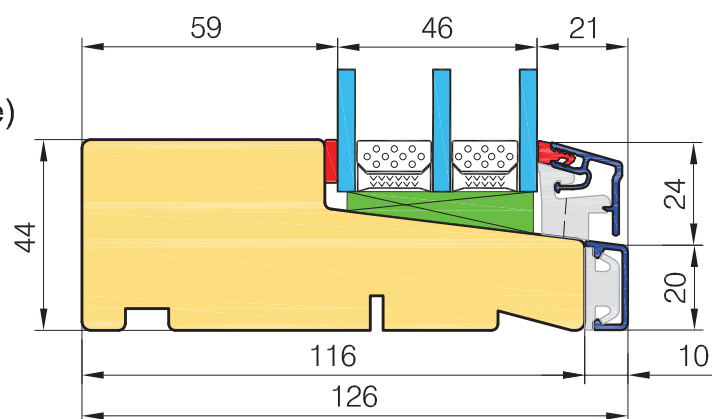
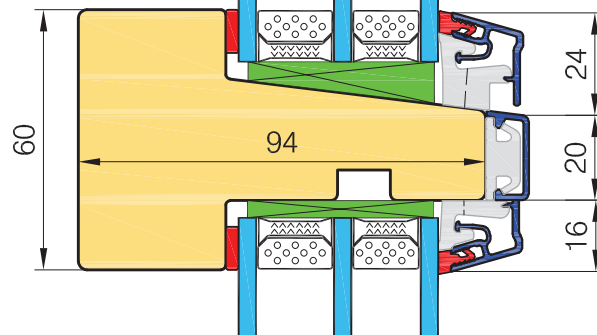
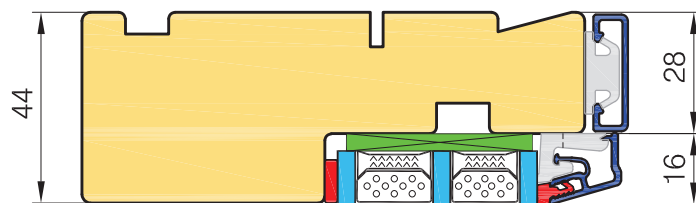


Standard

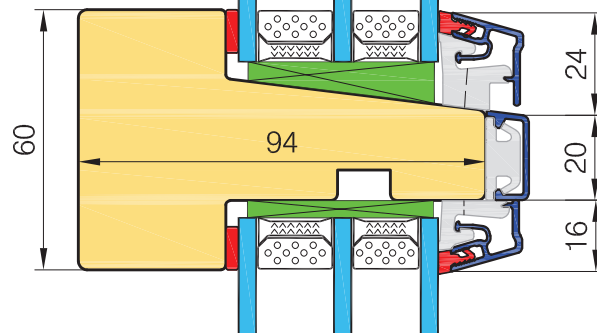
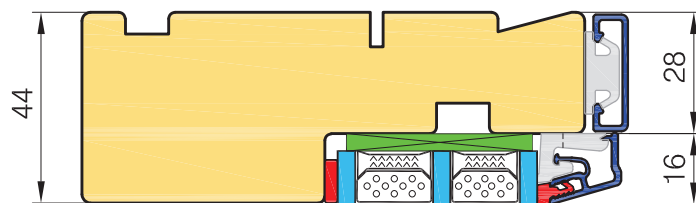
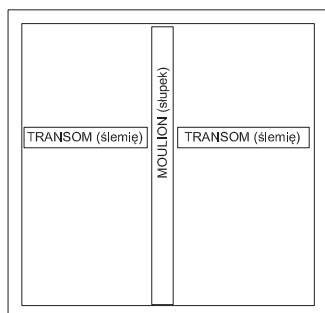


MOULION (słupek) / TRANSOM (ślemię)

94/94

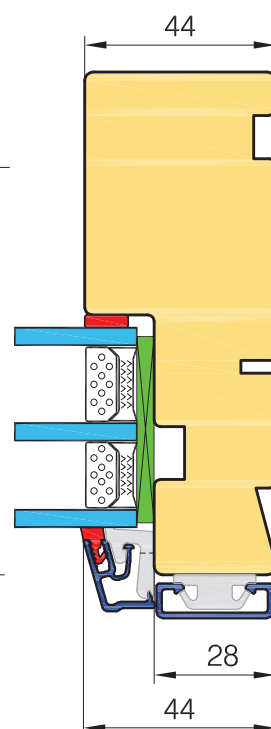
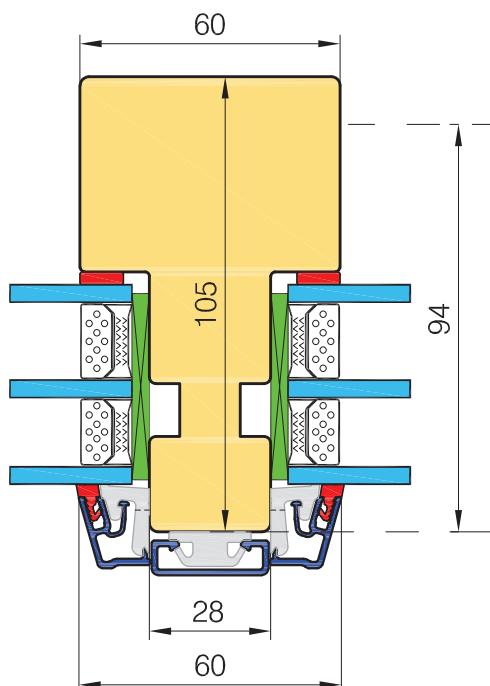
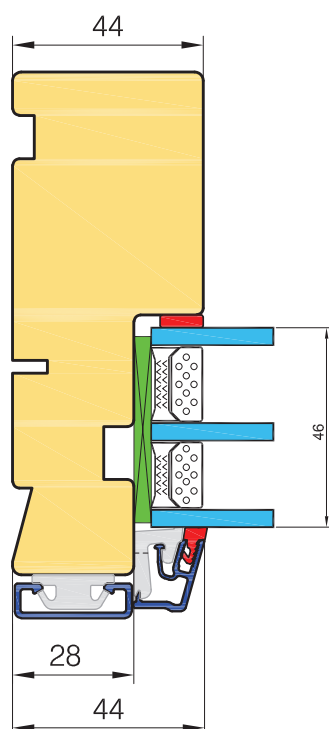
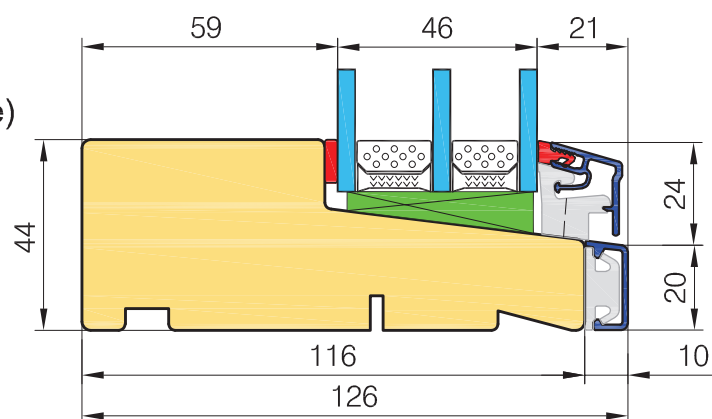


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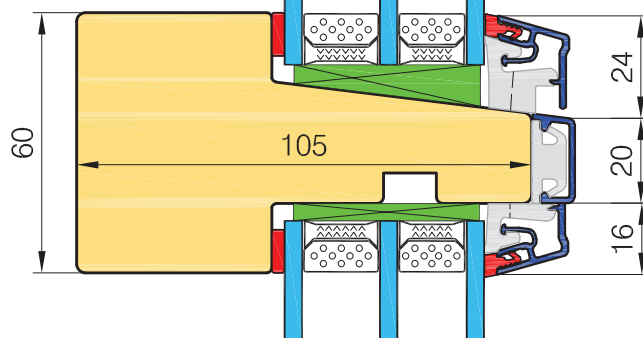
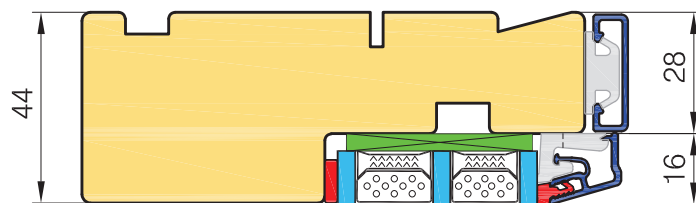
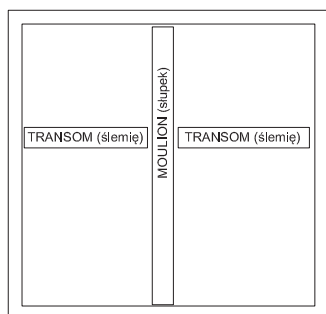


MOULION (słupek) / TRANSOM (ślemię)

105/94

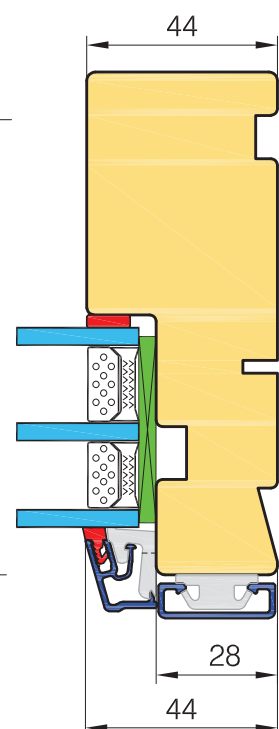
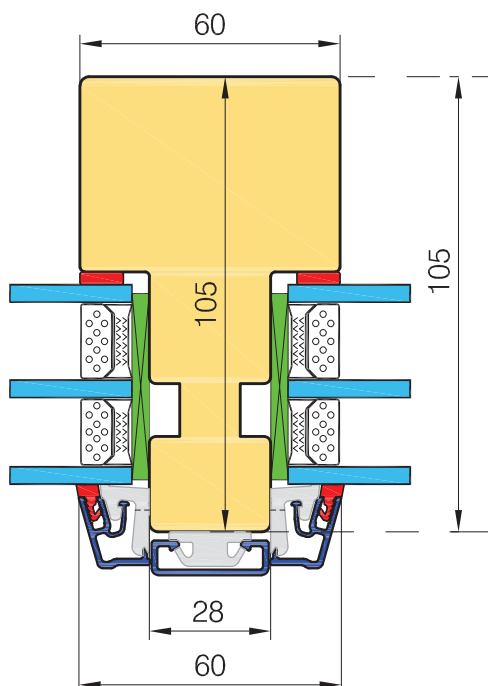
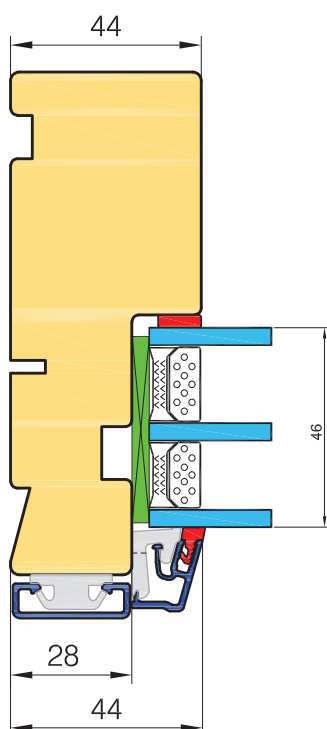
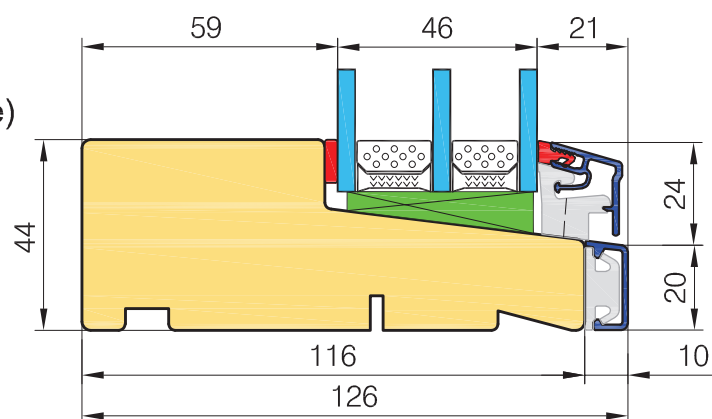


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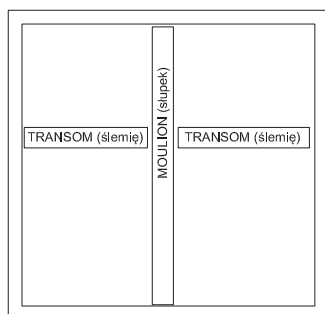


MOULION (słupek) / TRANSOM (ślemię)

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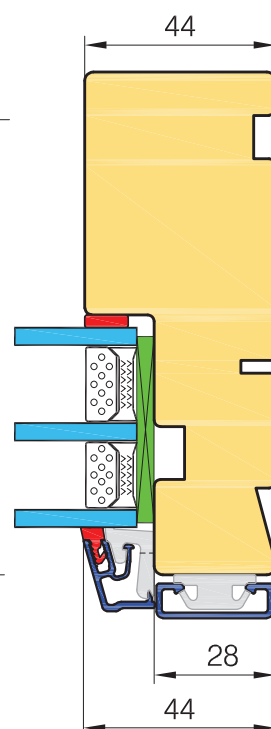
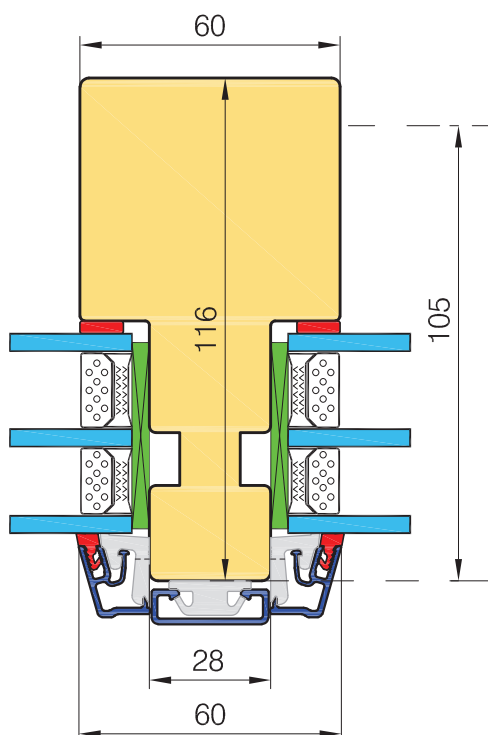
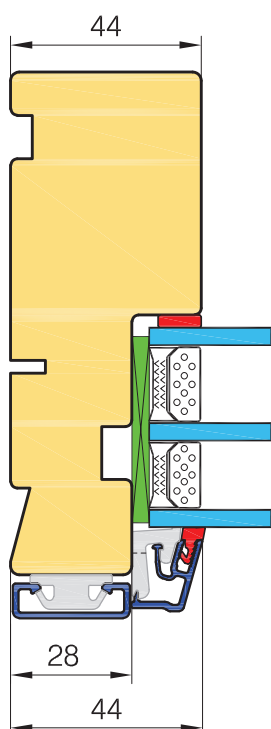
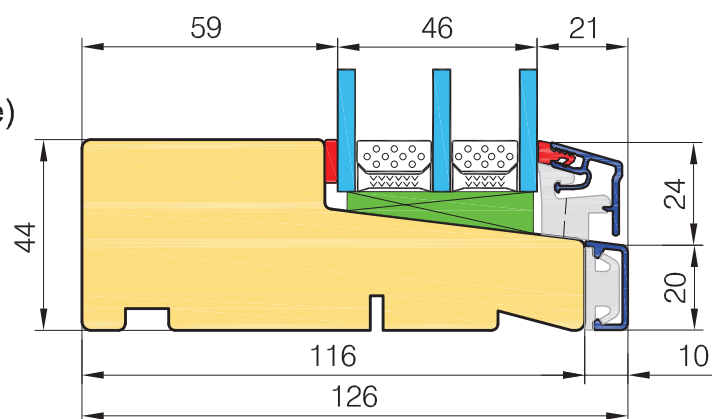
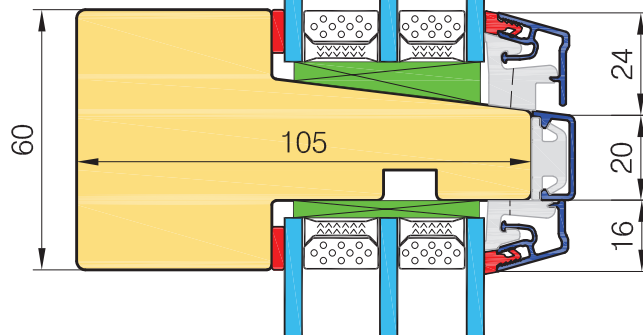
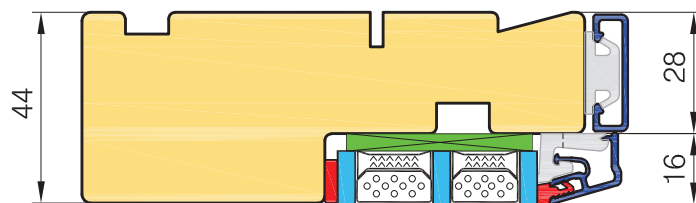


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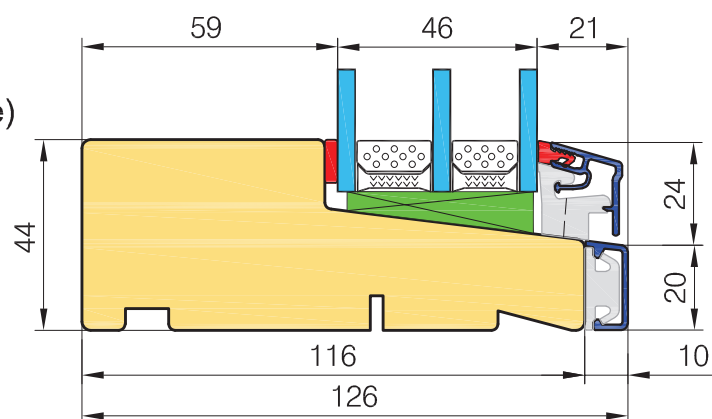
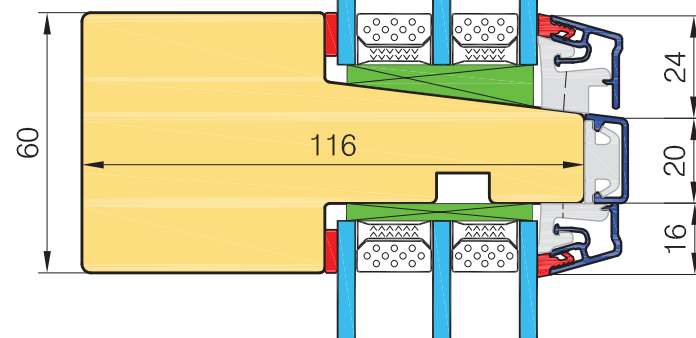
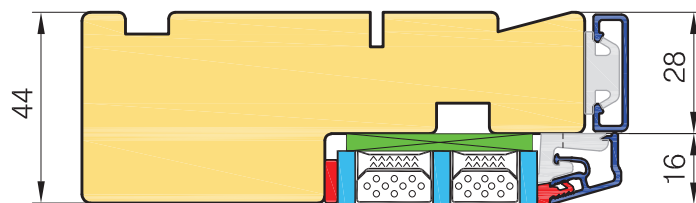
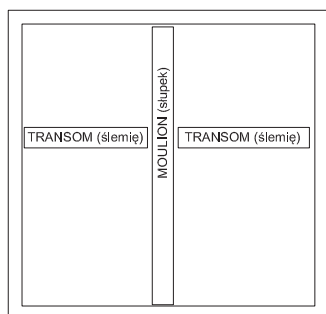


MOULION (słupek) / TRANSOM (ślemię)

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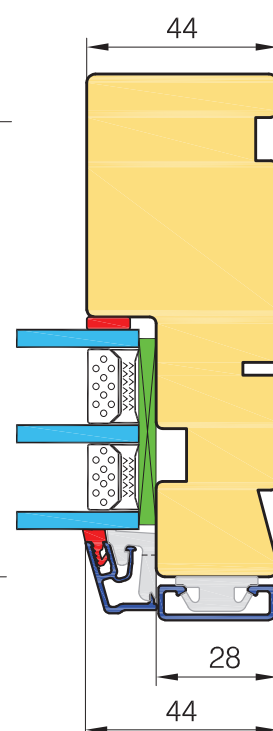
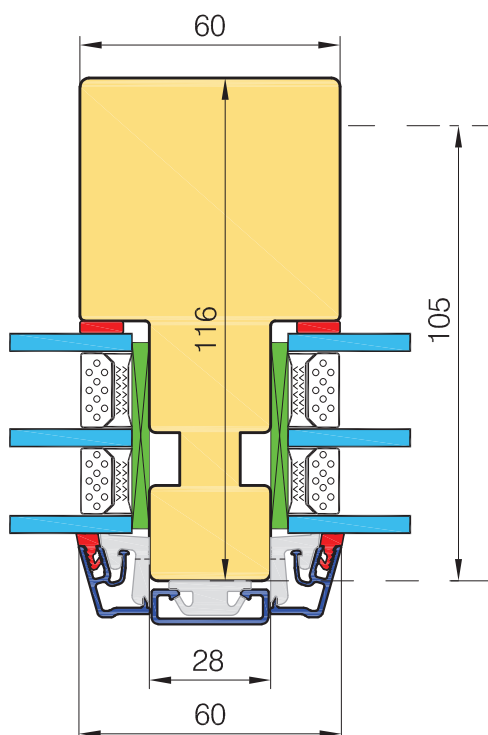
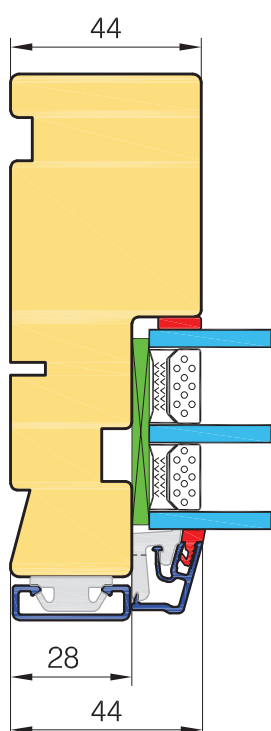


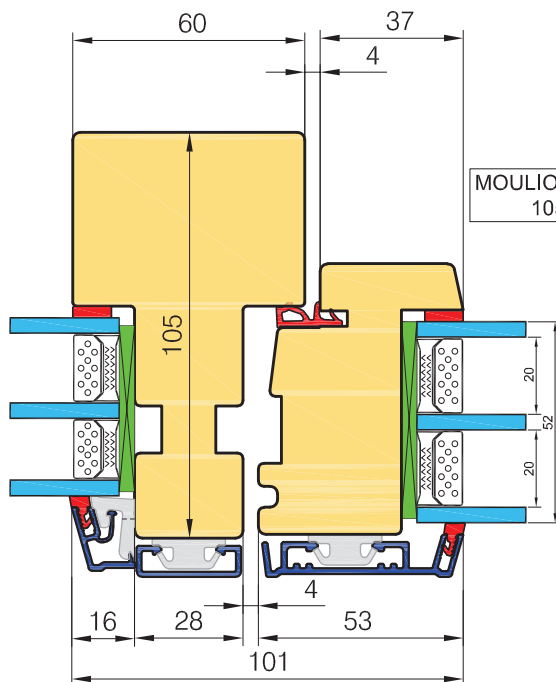
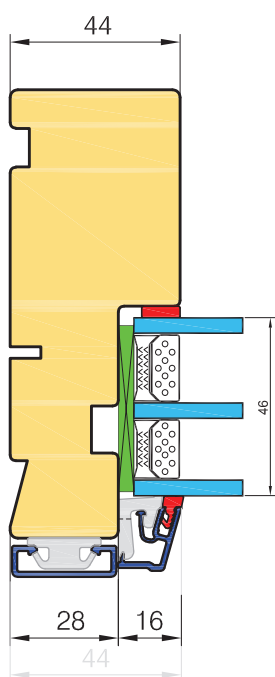
Standard



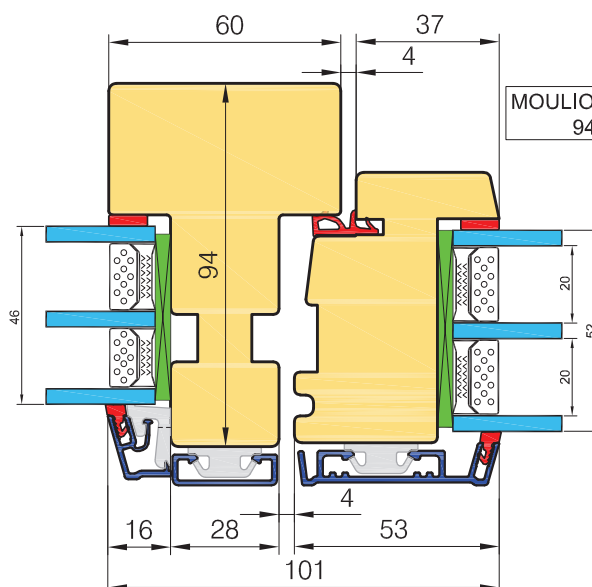
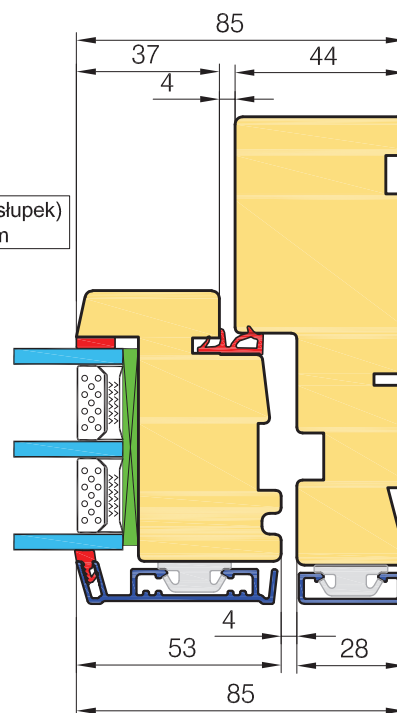
MOULION (słupek) / TRANSOM (ślemię)

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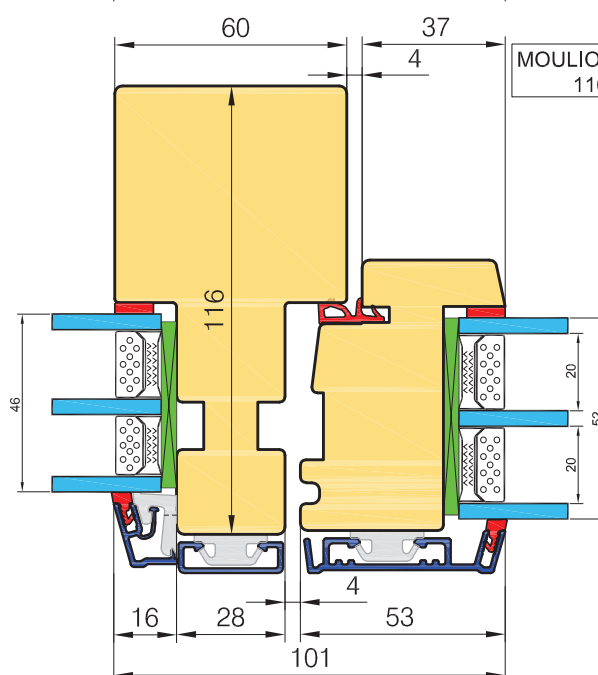




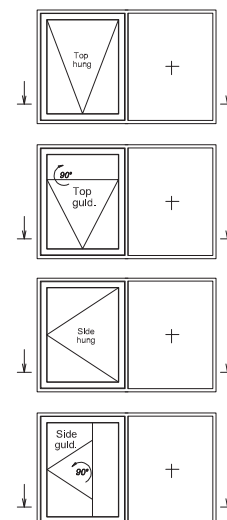
MOULION (słupek)
105mm

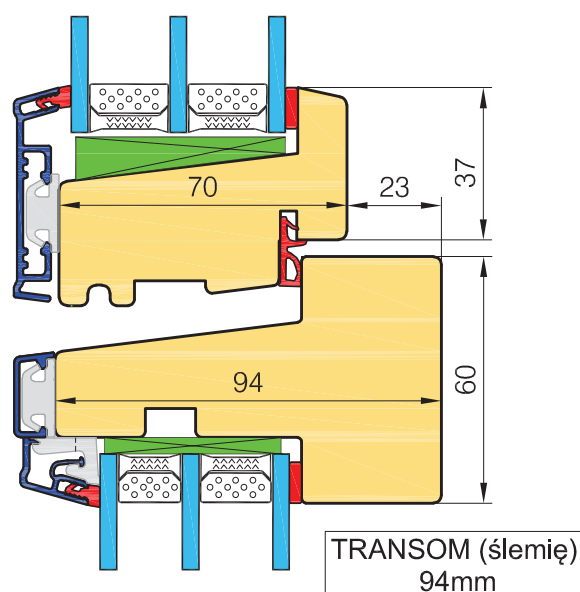
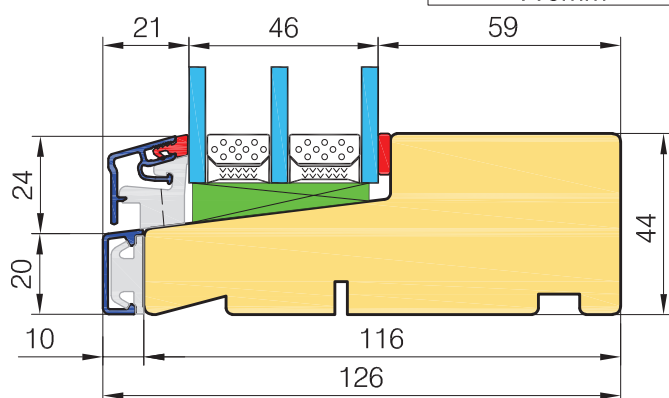
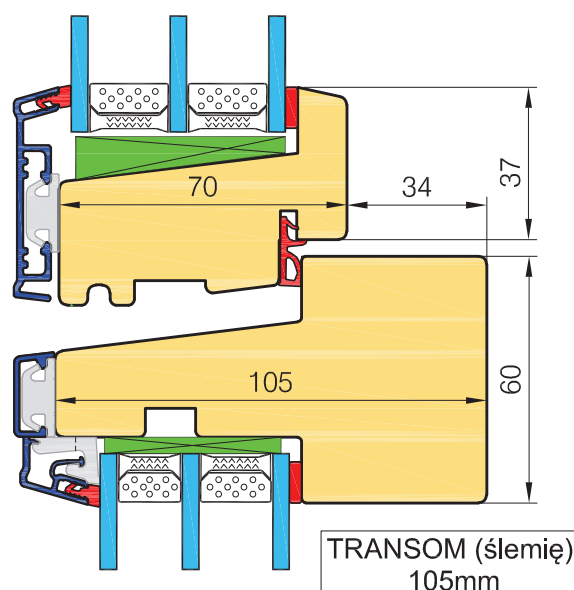
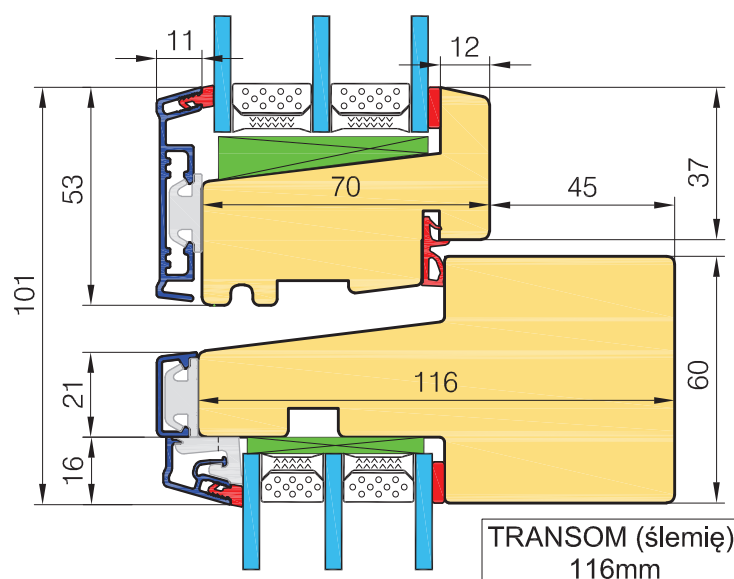
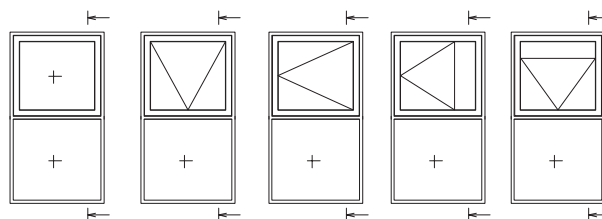
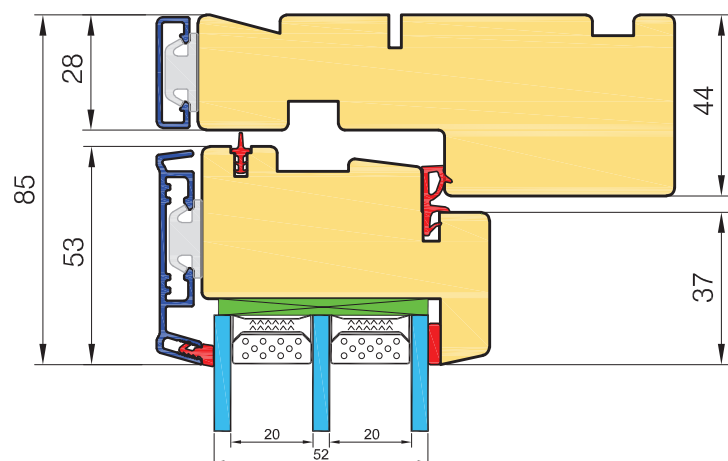


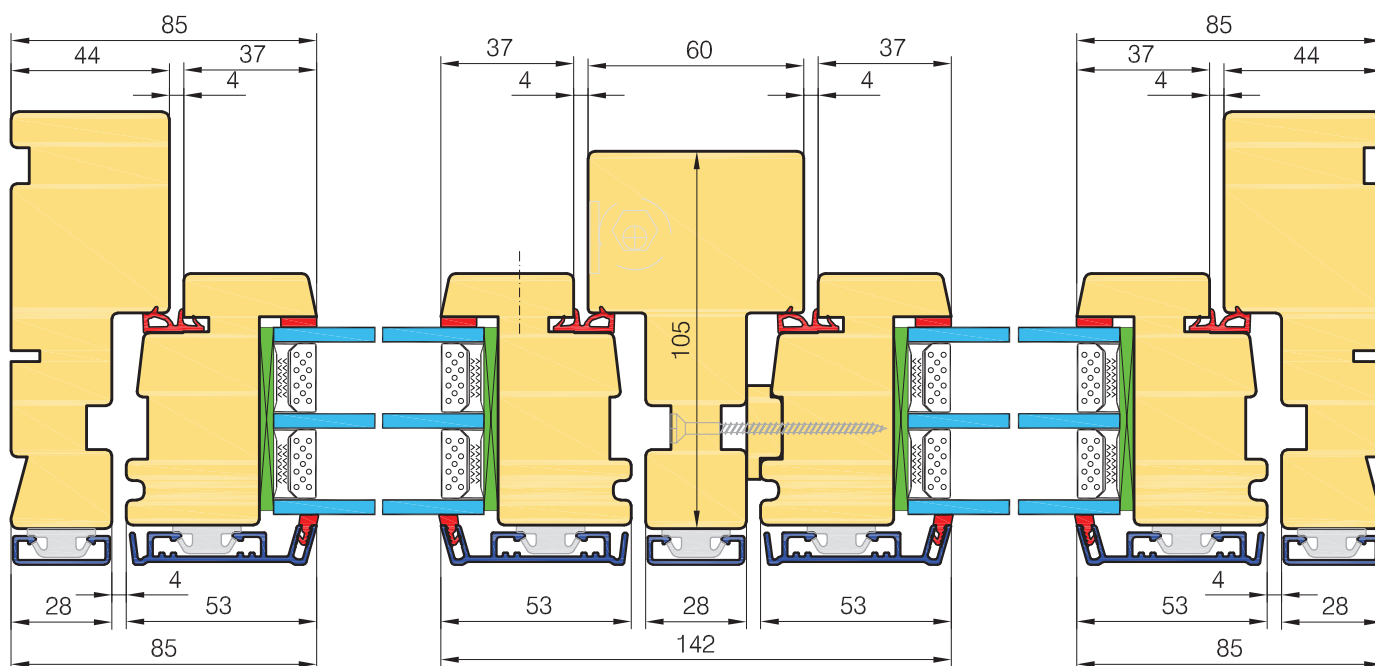
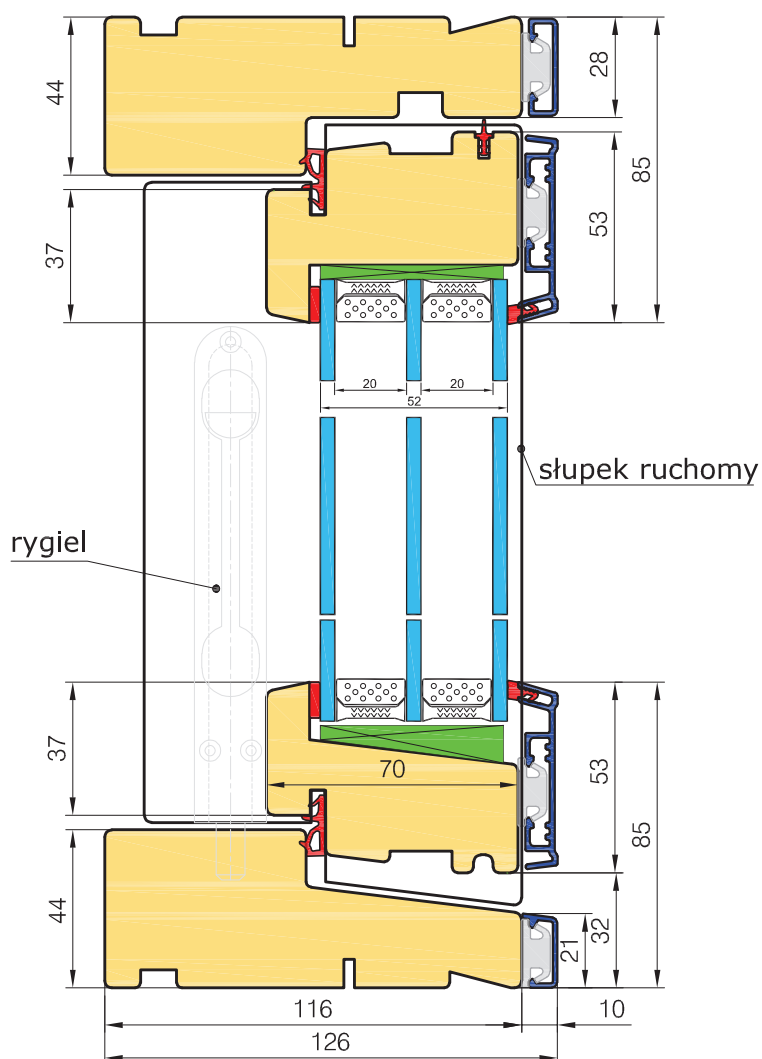
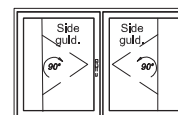
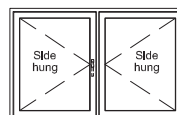
MOULION (słupek)
94mm



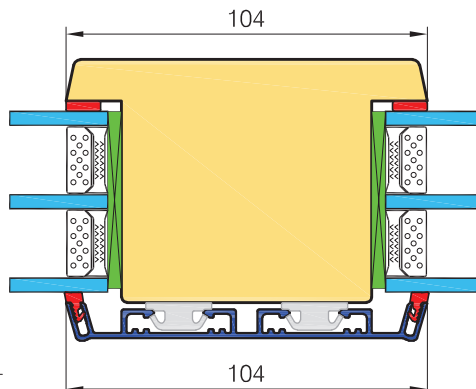
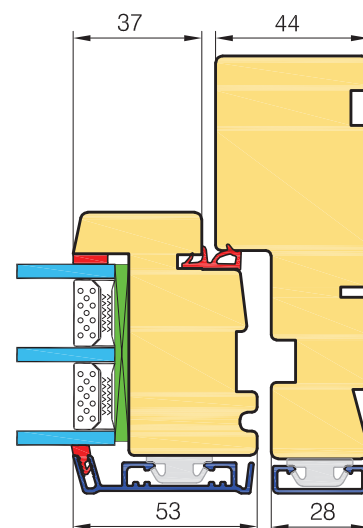
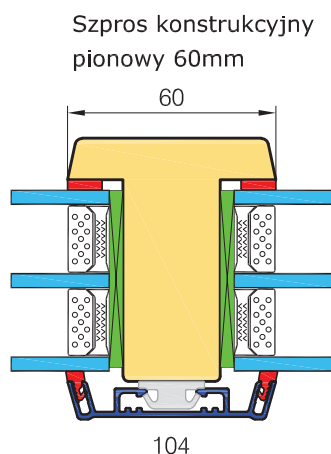
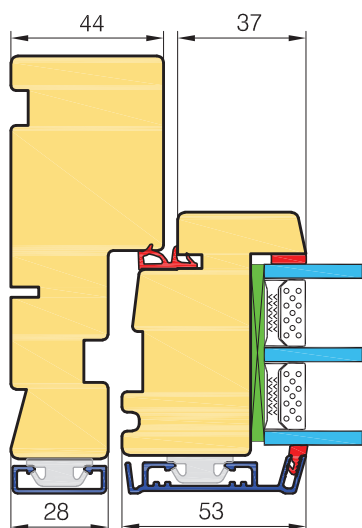
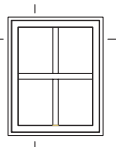
MOULION (słupek)
116mm



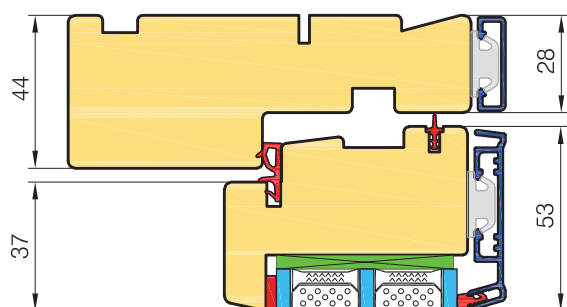




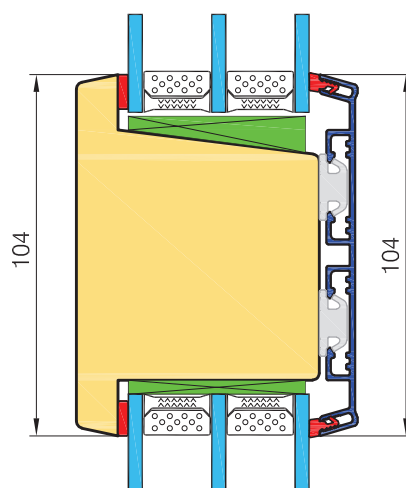
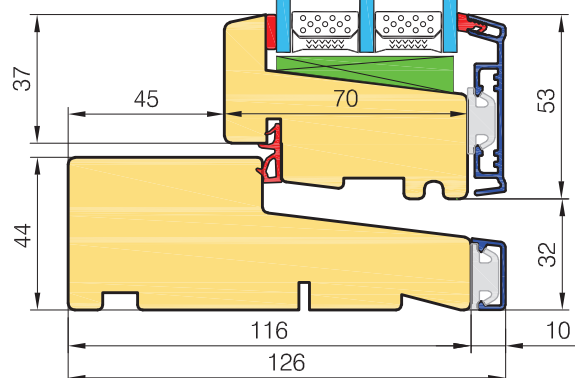
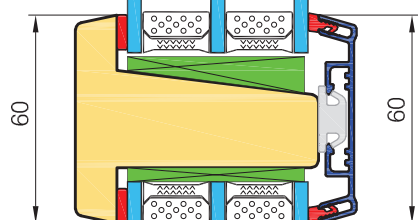
OPTIMA ALU - Profil SOFT - Szpros konstrukcyjny 60mm, 104mm



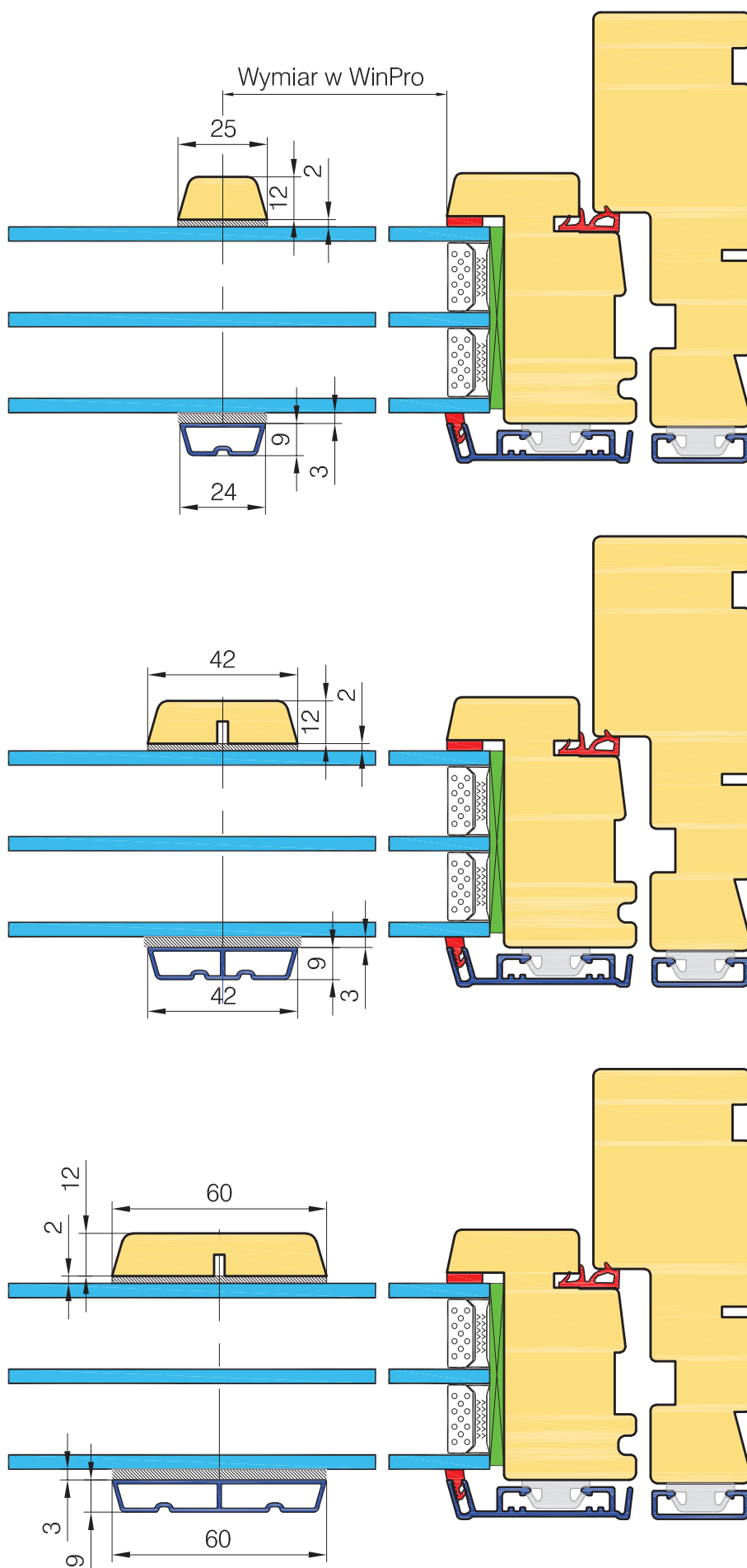
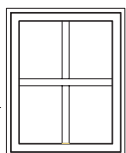
Szpros konstrukcyjny pionowy 104mm

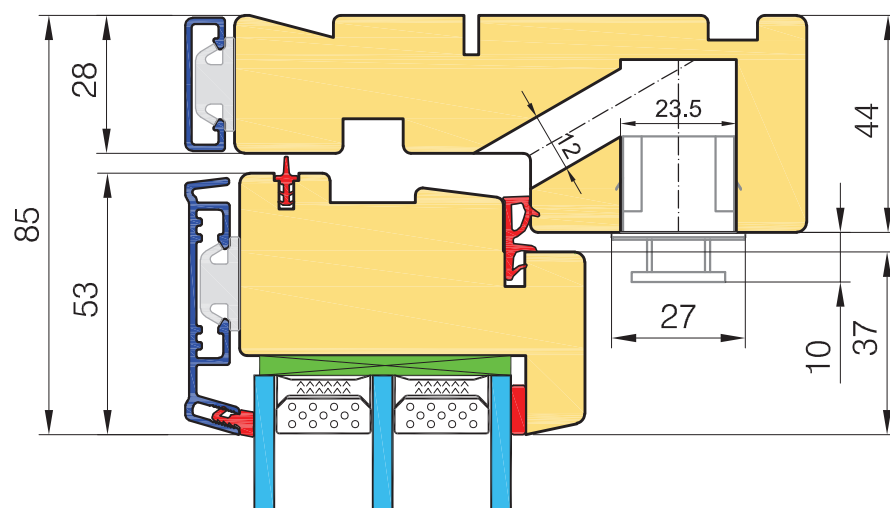


Szpros konstrukcyjny poziomy 60mm



Szpros konstrukcyjny poziomy 104mm



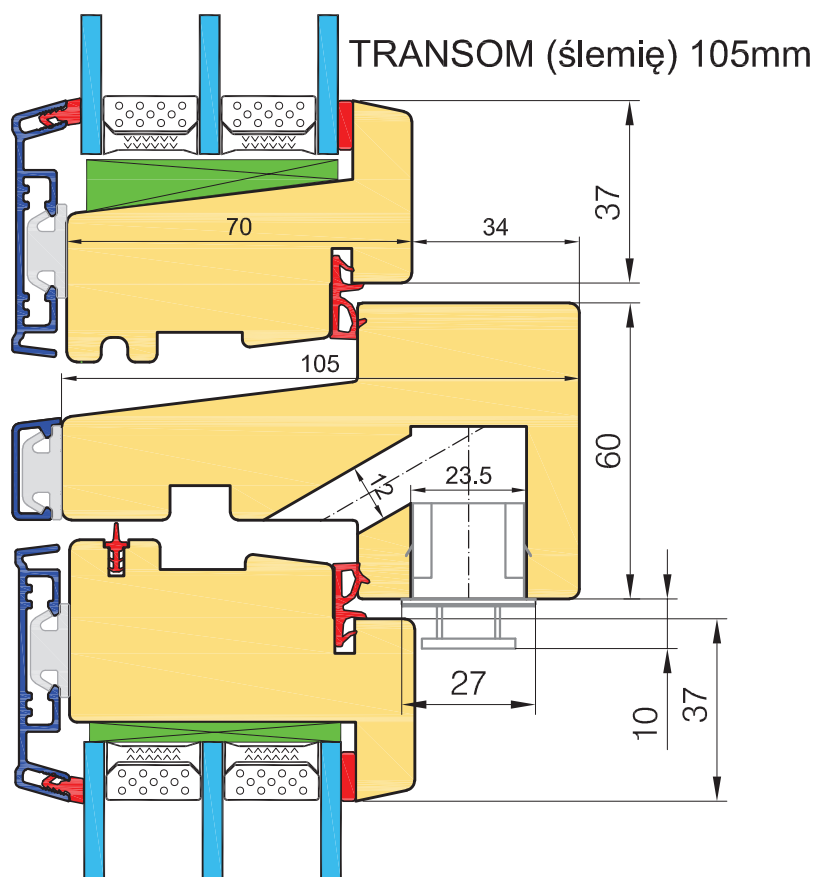


Kolor nawiewnika:

- biały,
- szary,

Nawiewnik CLICK VENT 343.

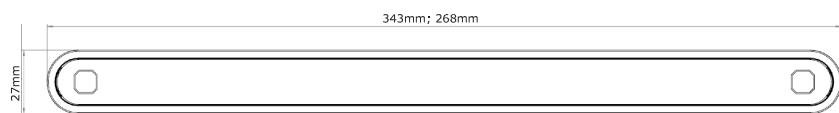
Nawiewnik CLICK VENT 268.

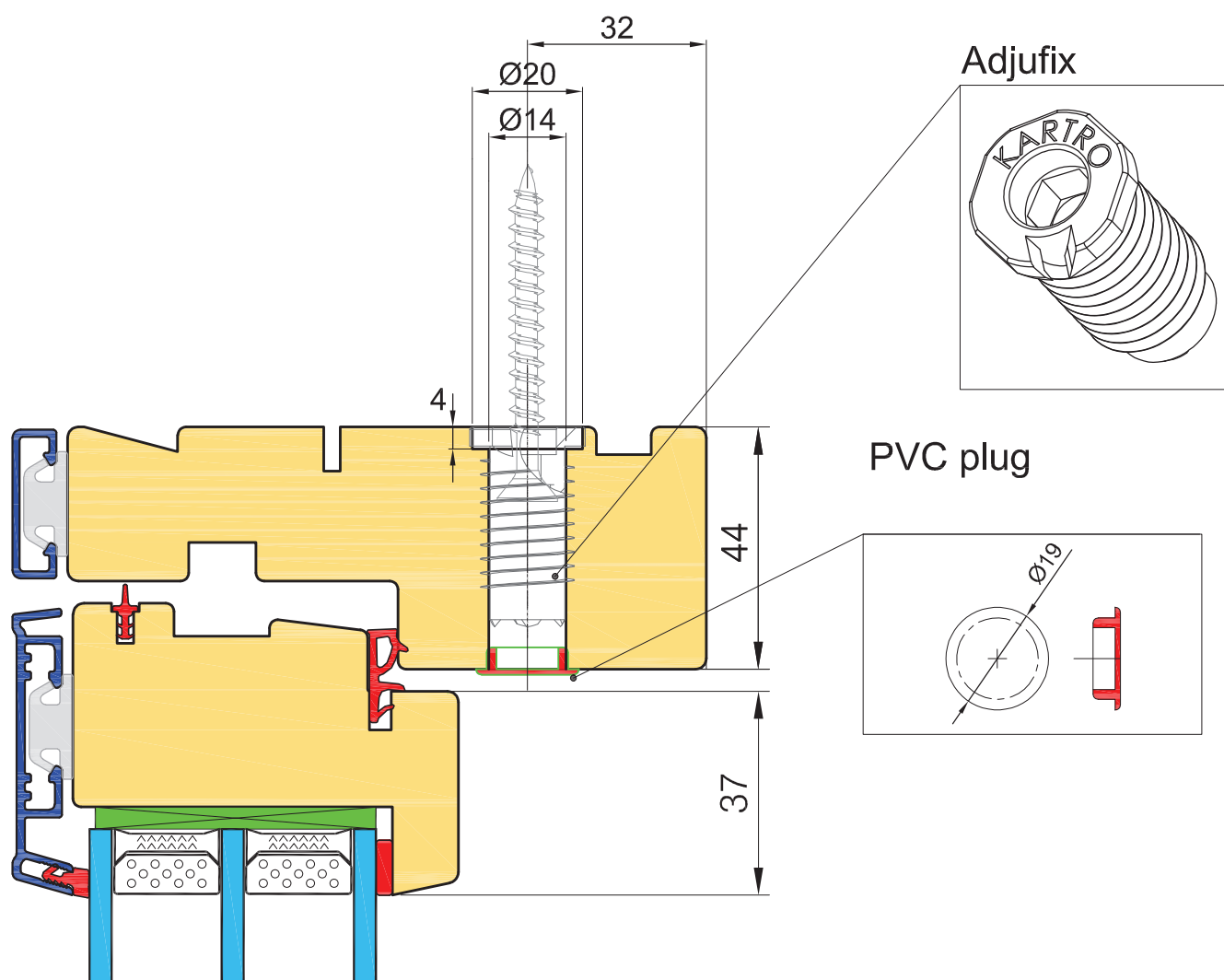


Zamknięty

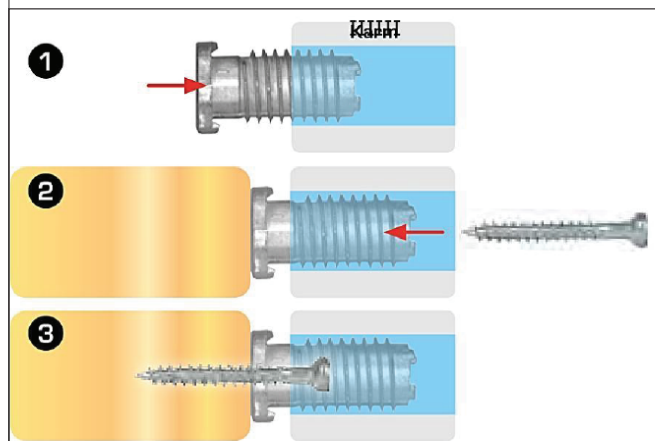


Otwarty

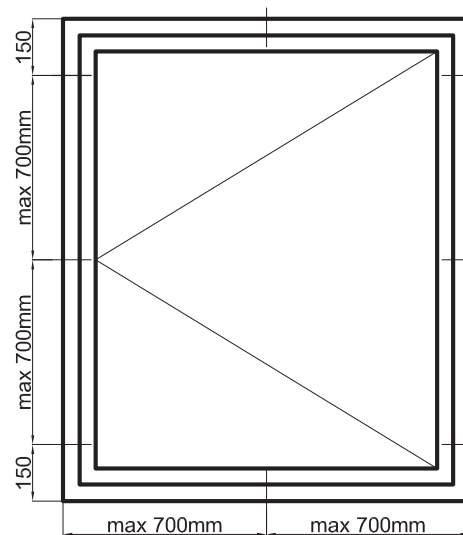




Sposób użycia

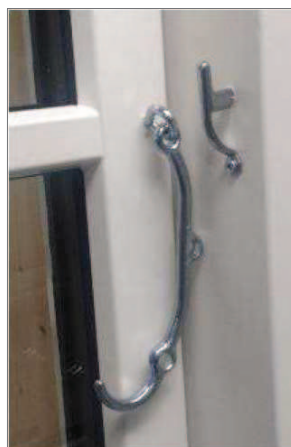


Rozmieszczenie nawierceń

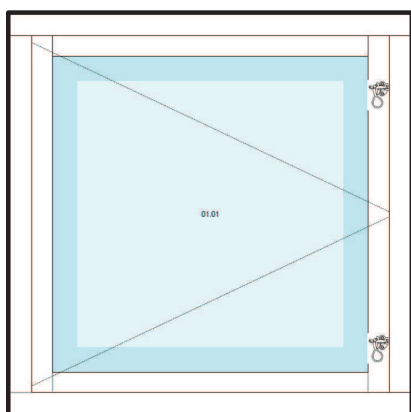




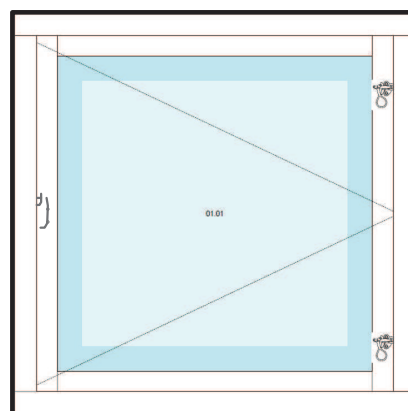
Zamknięcie haczykowe



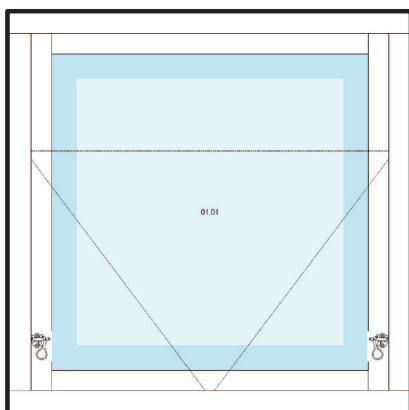
Ogranicznik hakowy
(po stronie zawiasów)



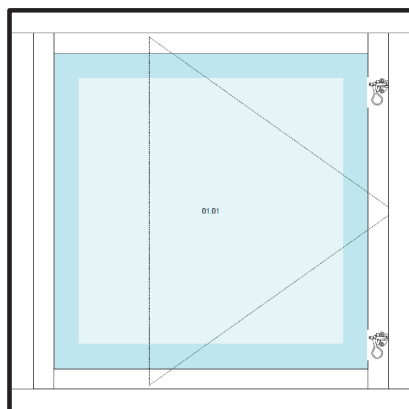
Side hung (okucie OPTA-SH_A)



Side hung (okucie OPTA-SH_A)



Topguided (okucie OPTA-TG_90_A)



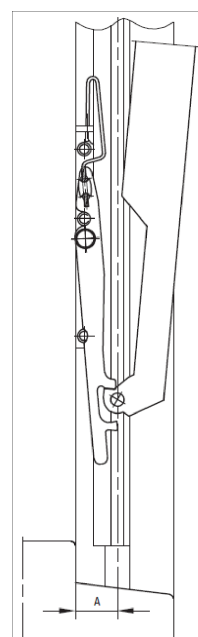
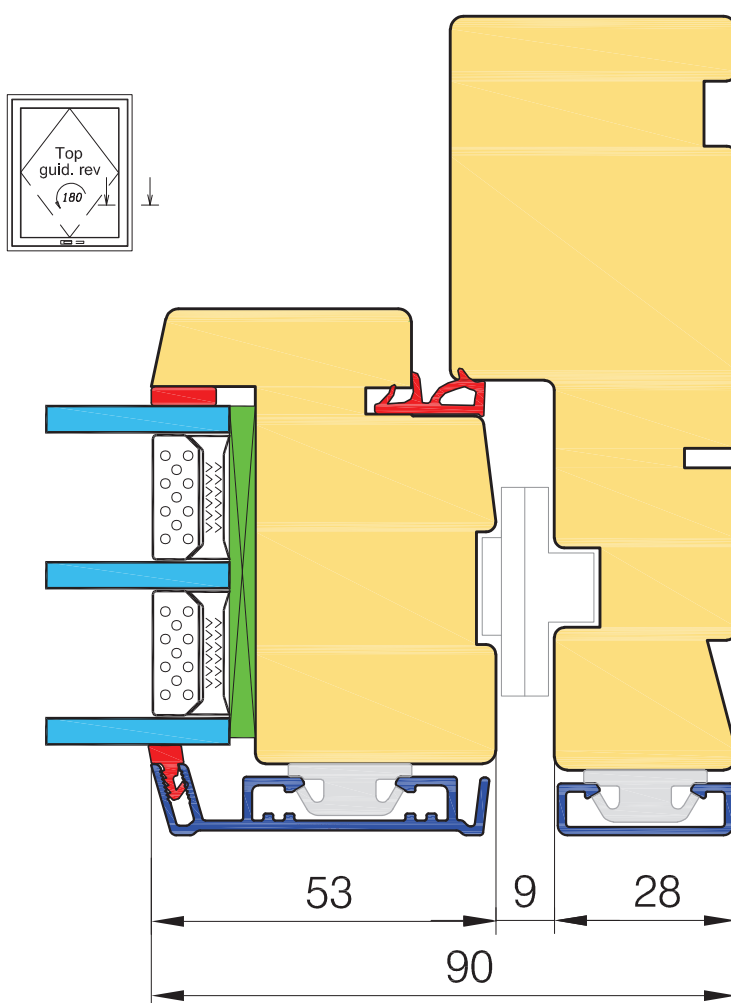
Side Swing (okucie OPTA-SG_90_A)

Ogranicznik załącza się automatycznie.

Mechanizm jest standardowo montowany w skrzydłach Top Guided Reversible (obrotowe) - TG180.

Skrzydło okna należy otwierać do momentu, w którym automatycznie zadziała ogranicznik.

Aby otworzyć i zamknąć okno, należy wcisnąć dolną część ogranicznika bezpieczeństwa, pociągnąć/popchnąć skrzydło, aby otworzyć/zamknąć okno.



I

II

III

IV

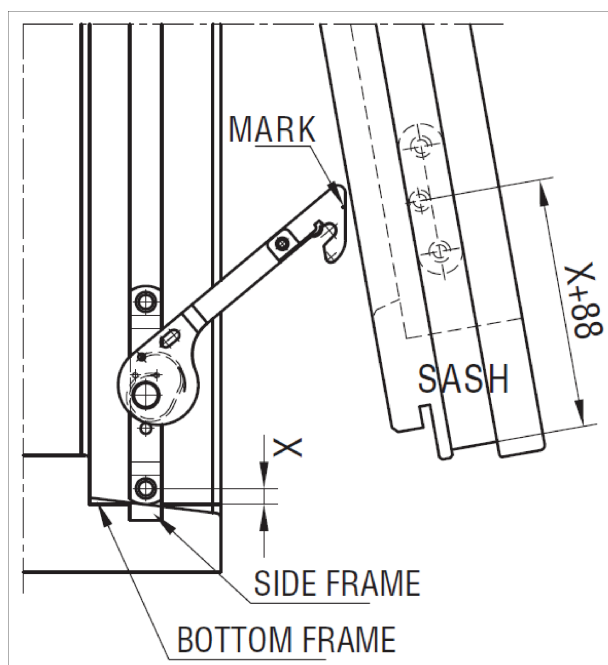
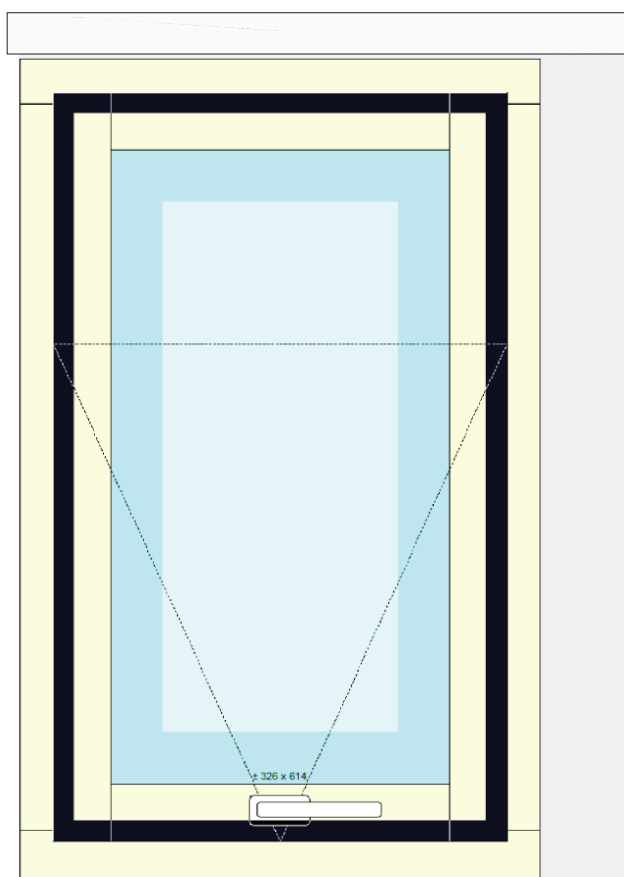
V



Mechanizm opcjonalnie może być montowany w skrzydłach Top Guided (odchylane na zewnątrz) - TG90.

Instrukcja użytkowania:

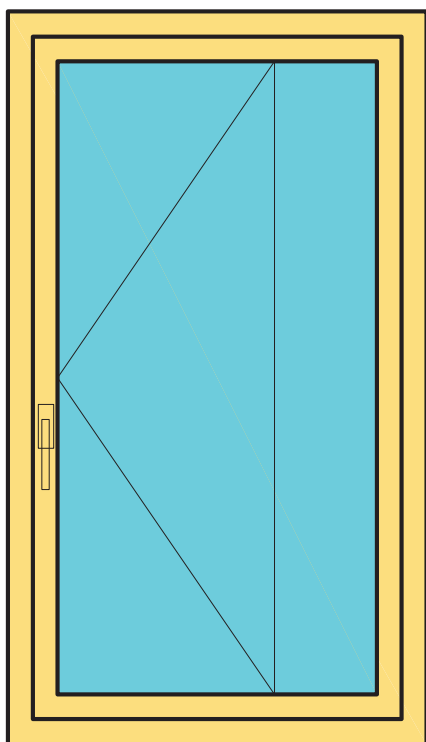
1. Otworzyć okno tak, aby ogranicznik znalazł się na swoim miejscu.
2. Przesunąć skrzydło o 20 mm do tyłu.
3. Wcisnąć ramię ogranicznika w kierunku oznaczonym strzałką i otworzyć okno.
4. Po zamknięciu okna następuje automatyczna blokada ogranicznika.



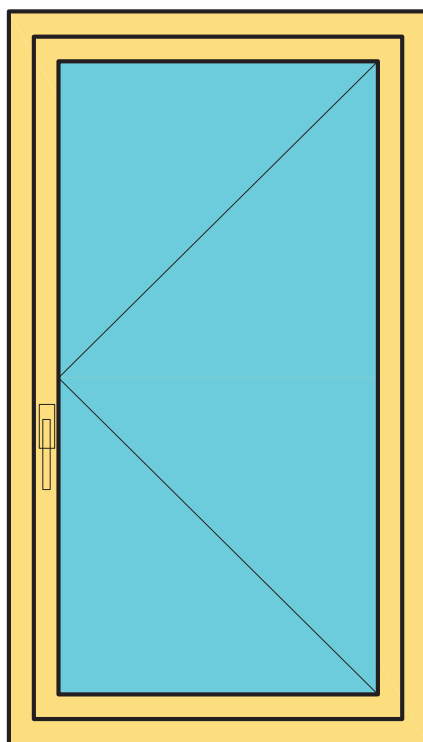
RESTRICTOR

RESTRYKTOR IPA 21230 - ogranicznik otwarcia

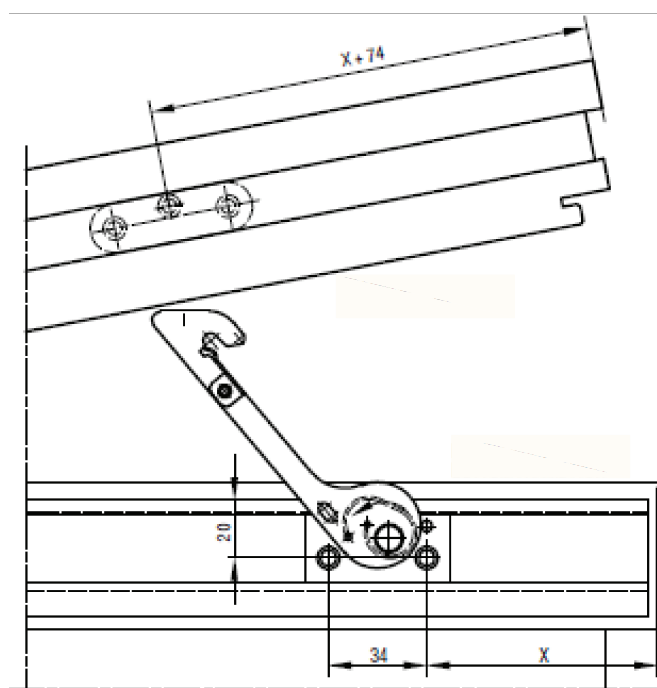
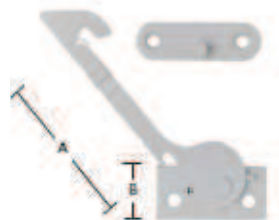
Okna OPTIMA ALU - Side hung (SH),
- Side swing 90,



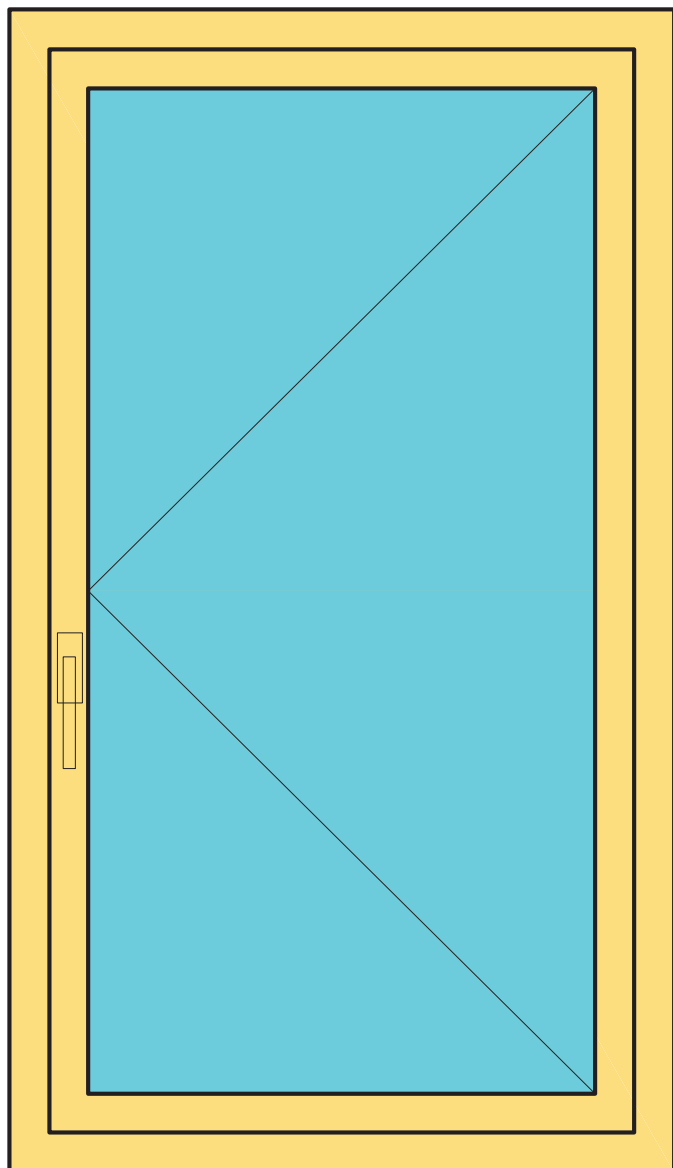
- Side Swing 90,



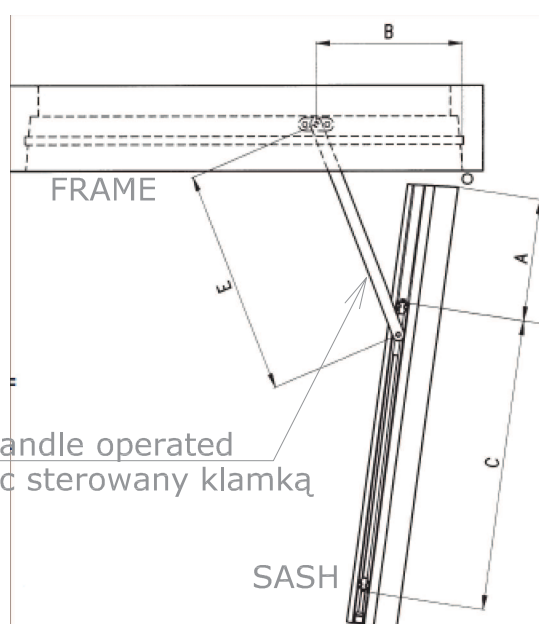
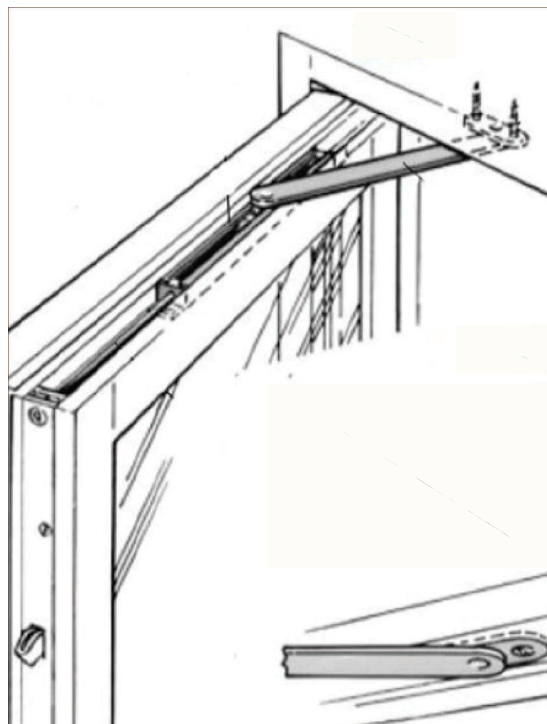
Side hung (SH)



Hamulec umożliwia blokowanie rozwartego skrzydła w żądanym położeniu poprzez obrót klamki. Montowany jest we wrębie okuciowym. Stosowany w skrzydłach Side hung.

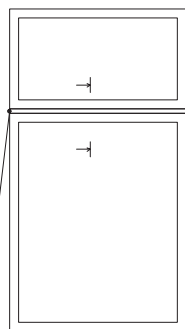


Side hung (SH)

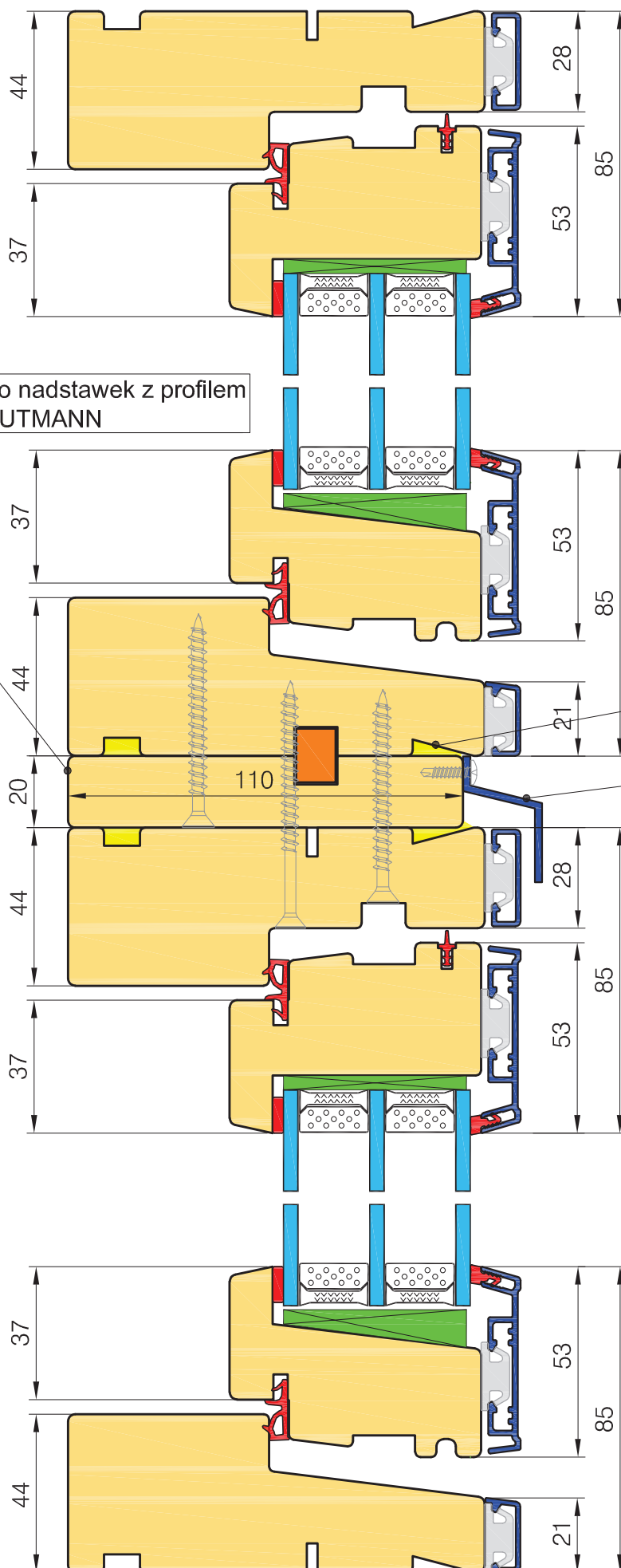


Brake handle operated
Hamulec sterowany klamką

OPTIMA ALU - Połączenie okien.

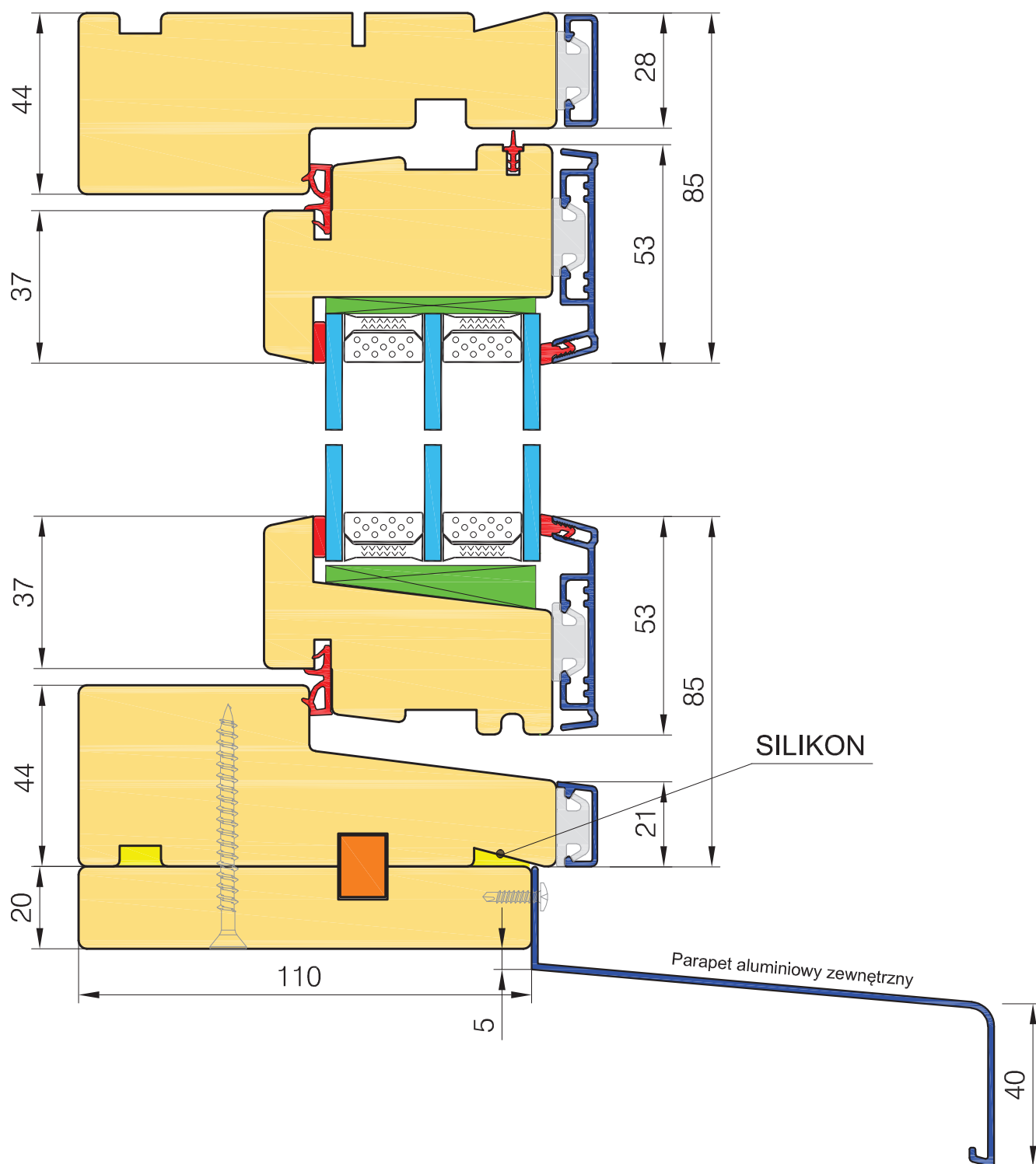


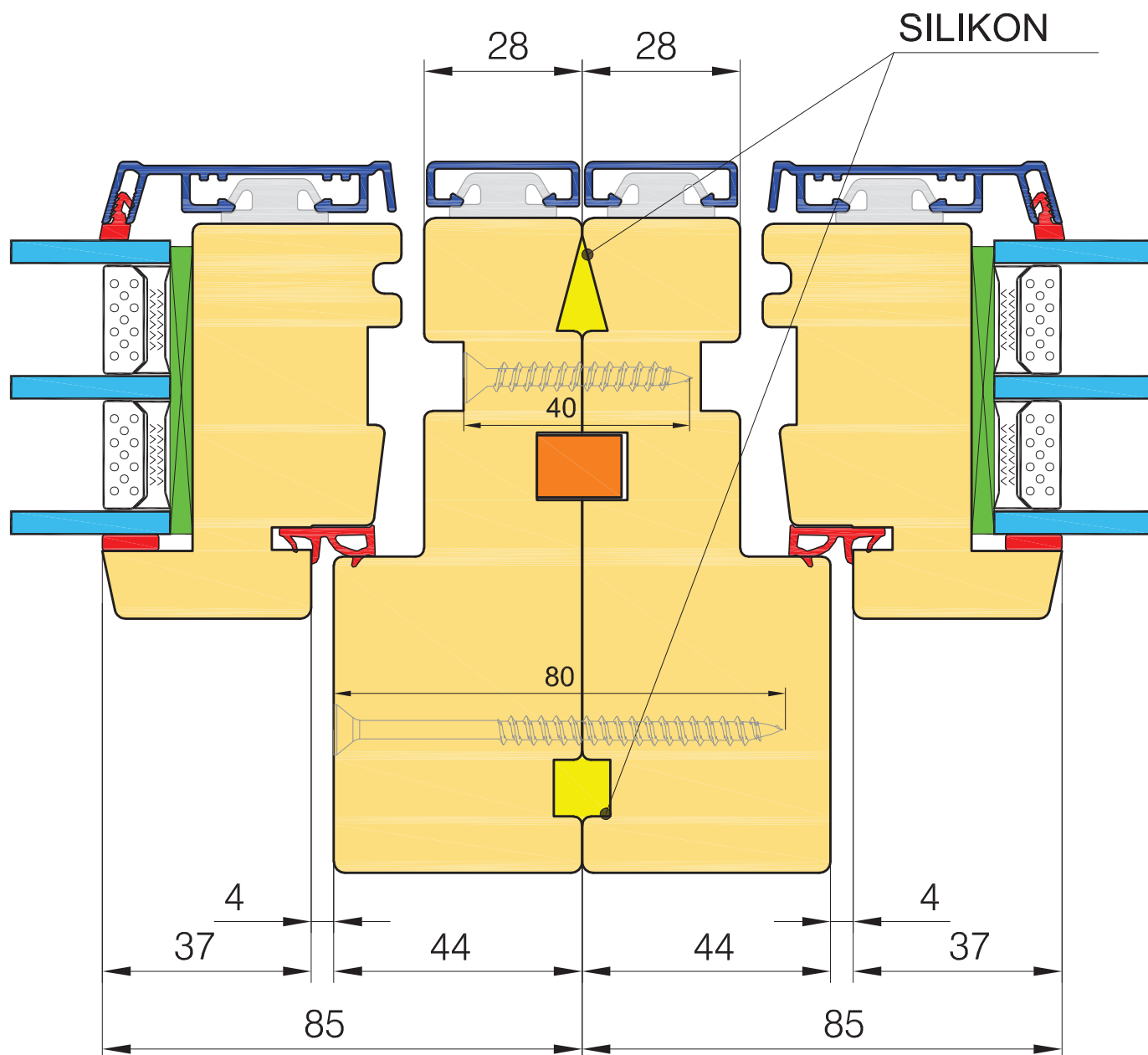
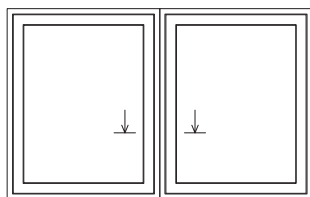
Łącznik 20x110 do nadstawek z profilem okapowym Z22 GUTMANN



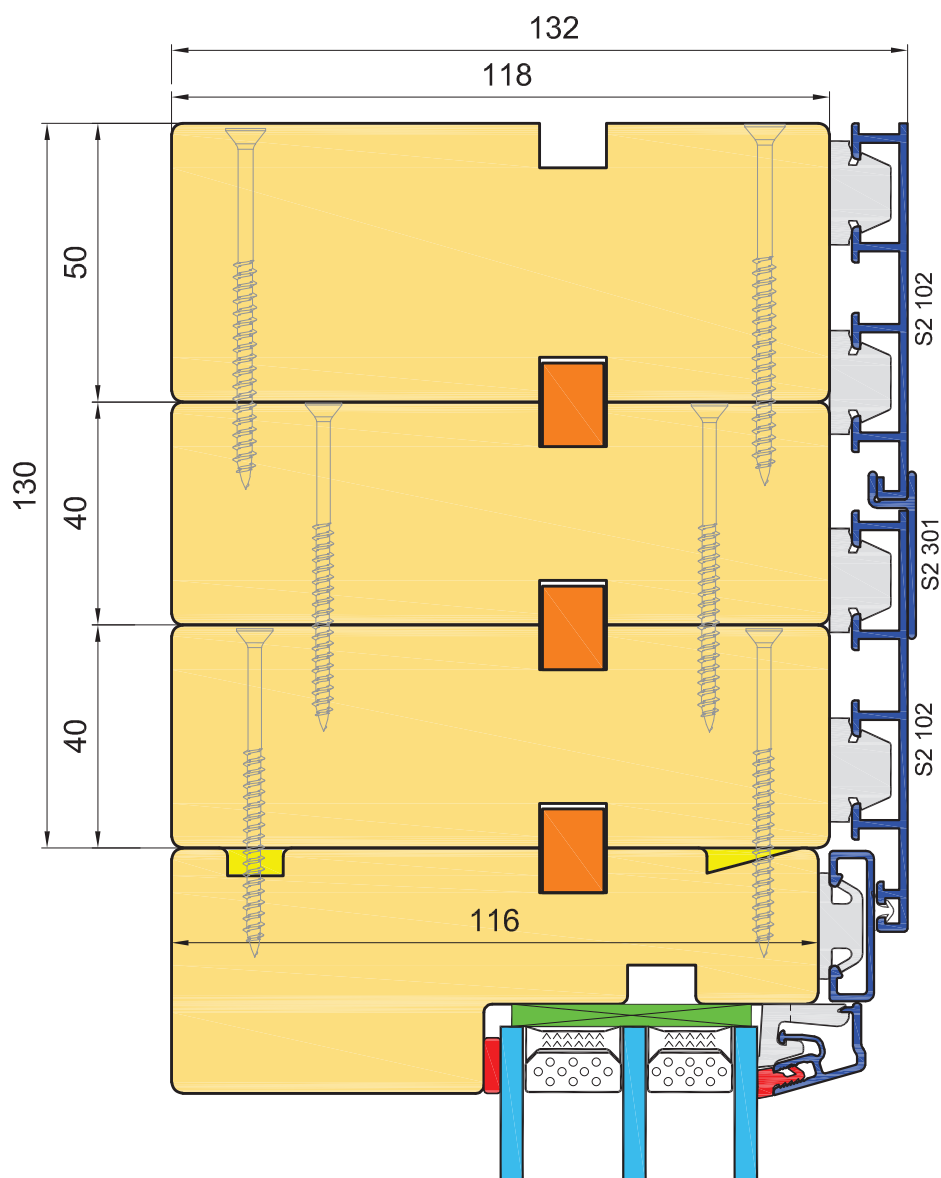
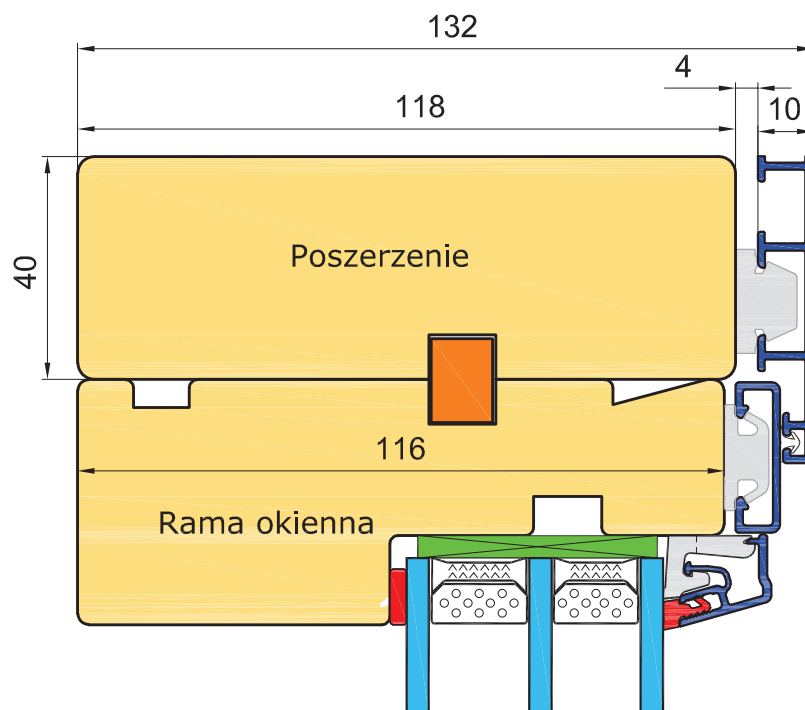
SILIKON

Profil aluminiowy
Gutmann Z-22

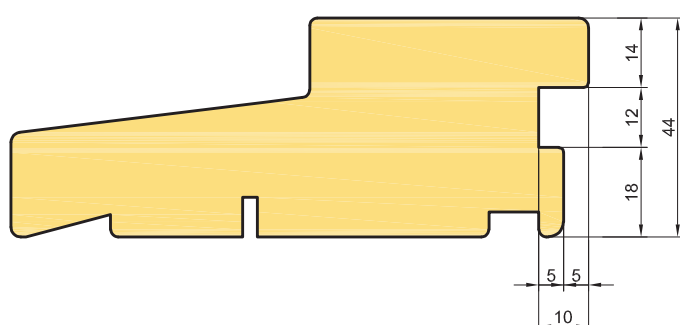
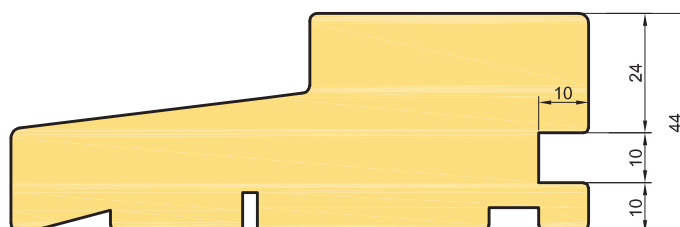
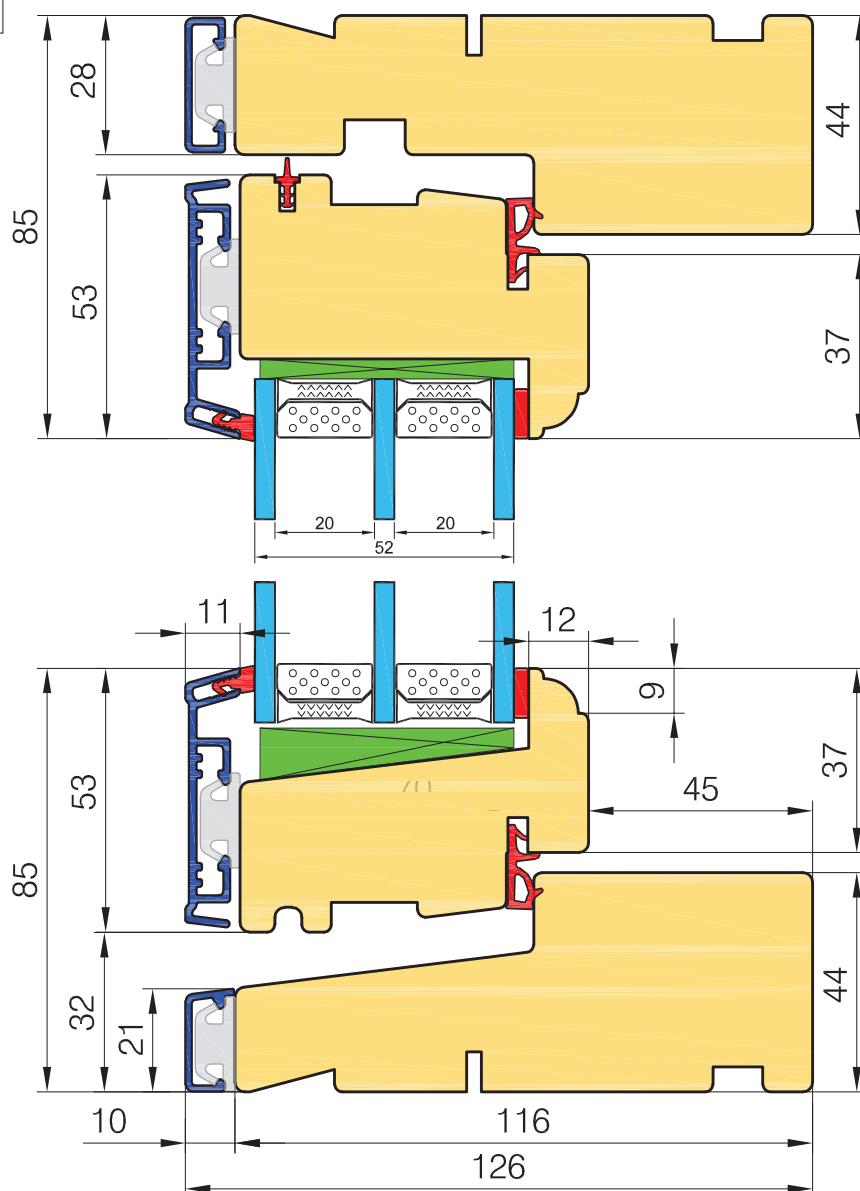
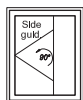
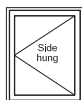
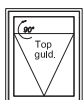
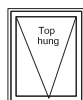




Poszerzenie 118x30
Poszerzenie 118x50
Poszerzenie 118x60
Poszerzenie 118x70
Poszerzenie 118x80
Poszerzenie 118x90
Poszerzenie 118x100
Poszerzenie 118x110
Poszerzenie 118x120
Poszerzenie 118x130

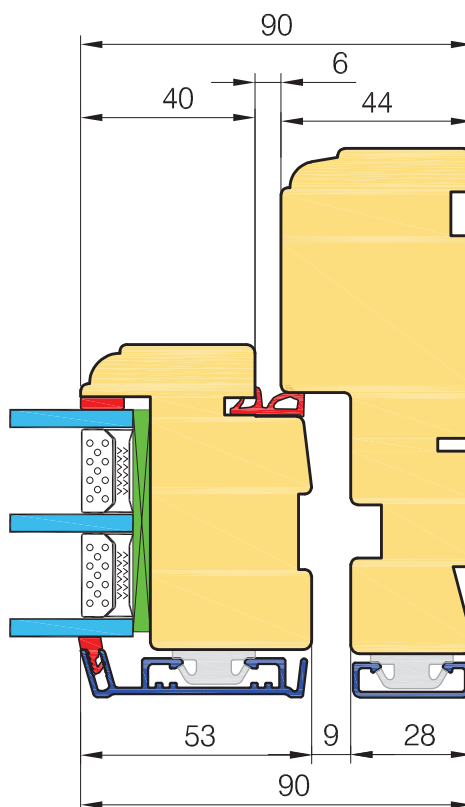
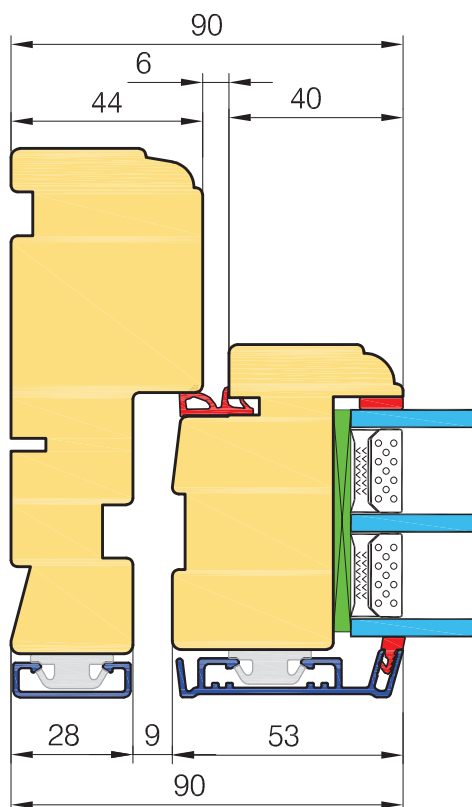
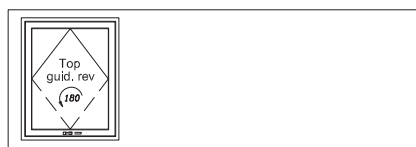
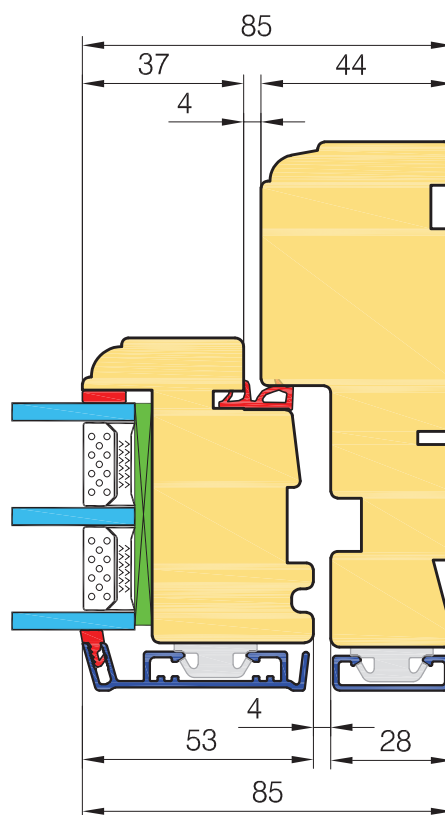
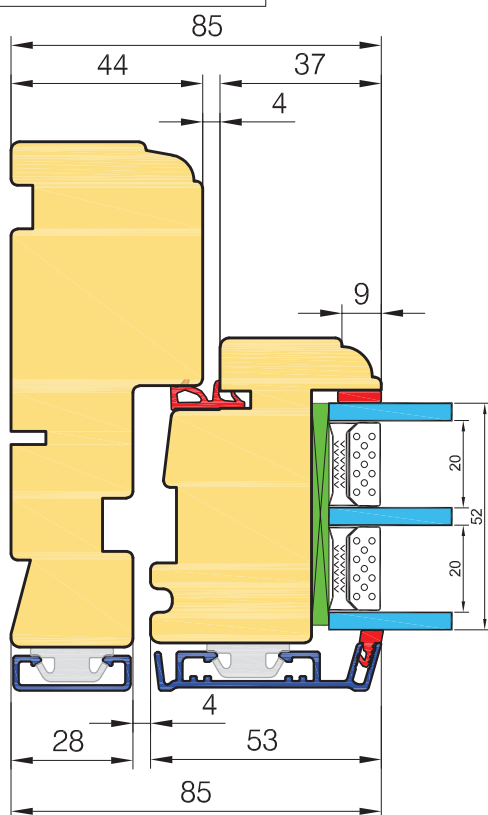
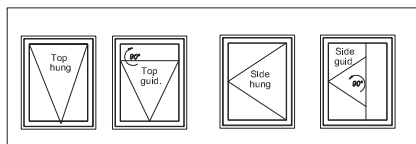


OPTIMA ALU - PROFIL CLASSIC - OKNO

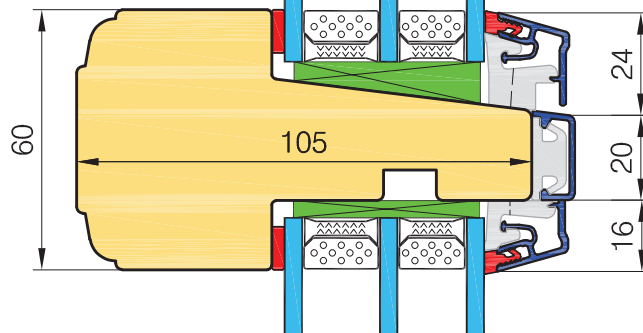
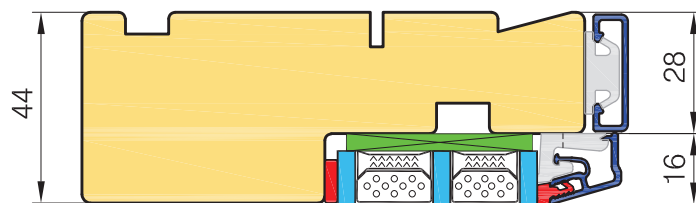
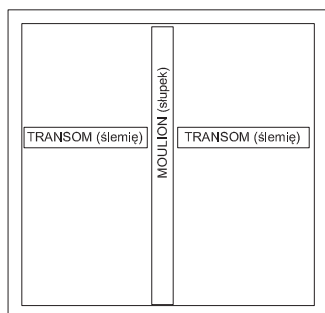


podcięcia pod parapety:

- rowek od wewn. 10x10 mm,
- podc. od wewn. pod parapet 10x12 mm,

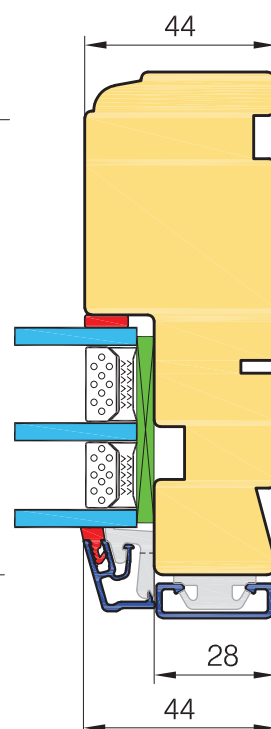
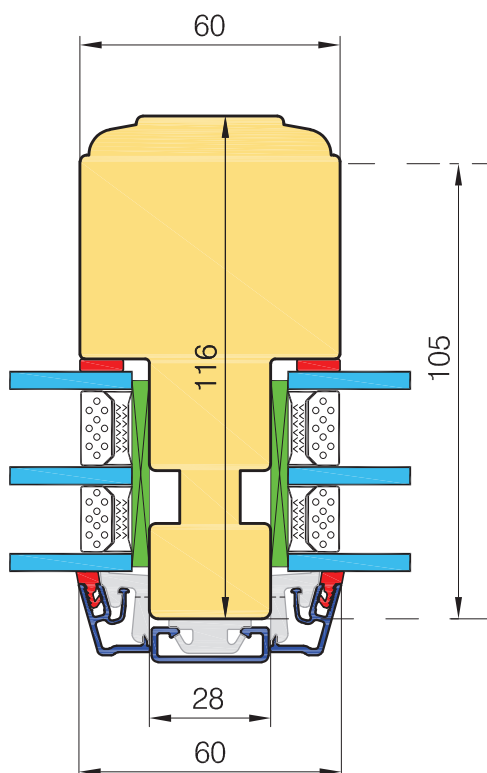
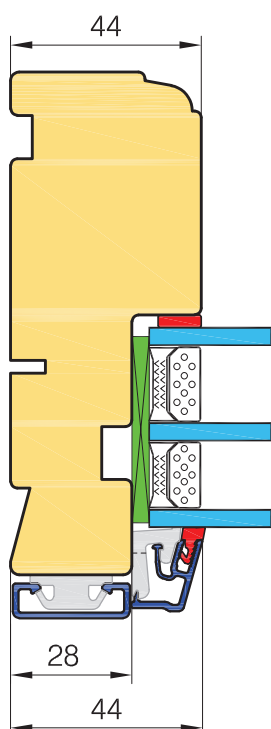
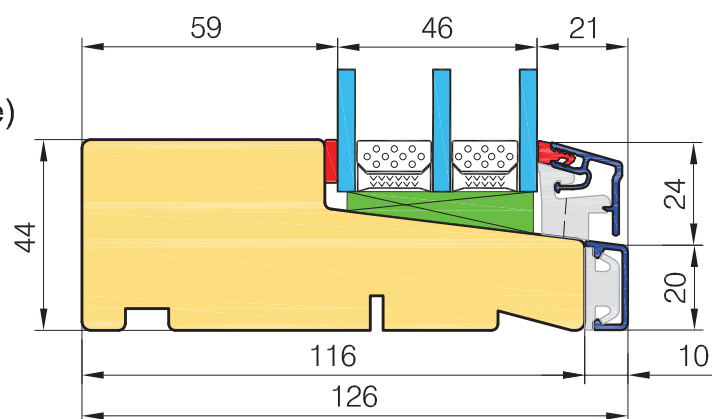


Standard

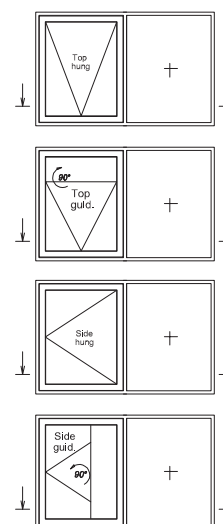
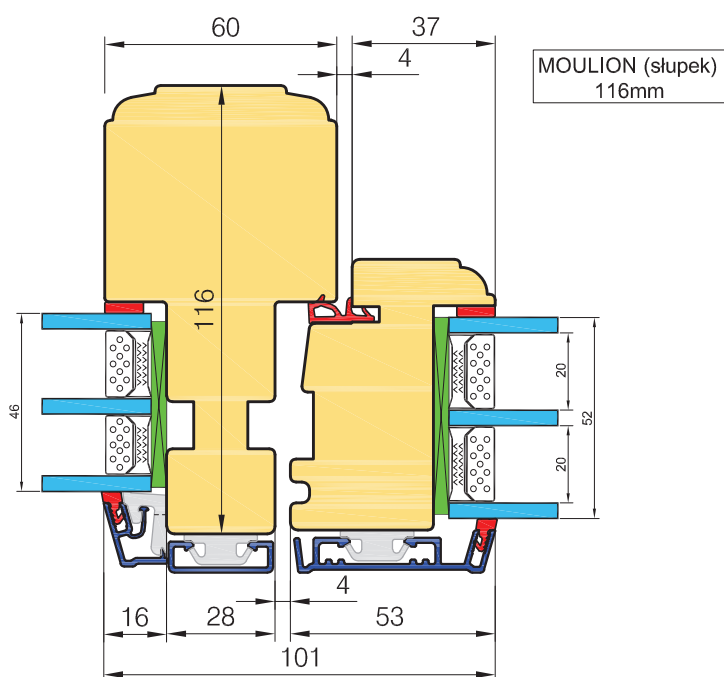
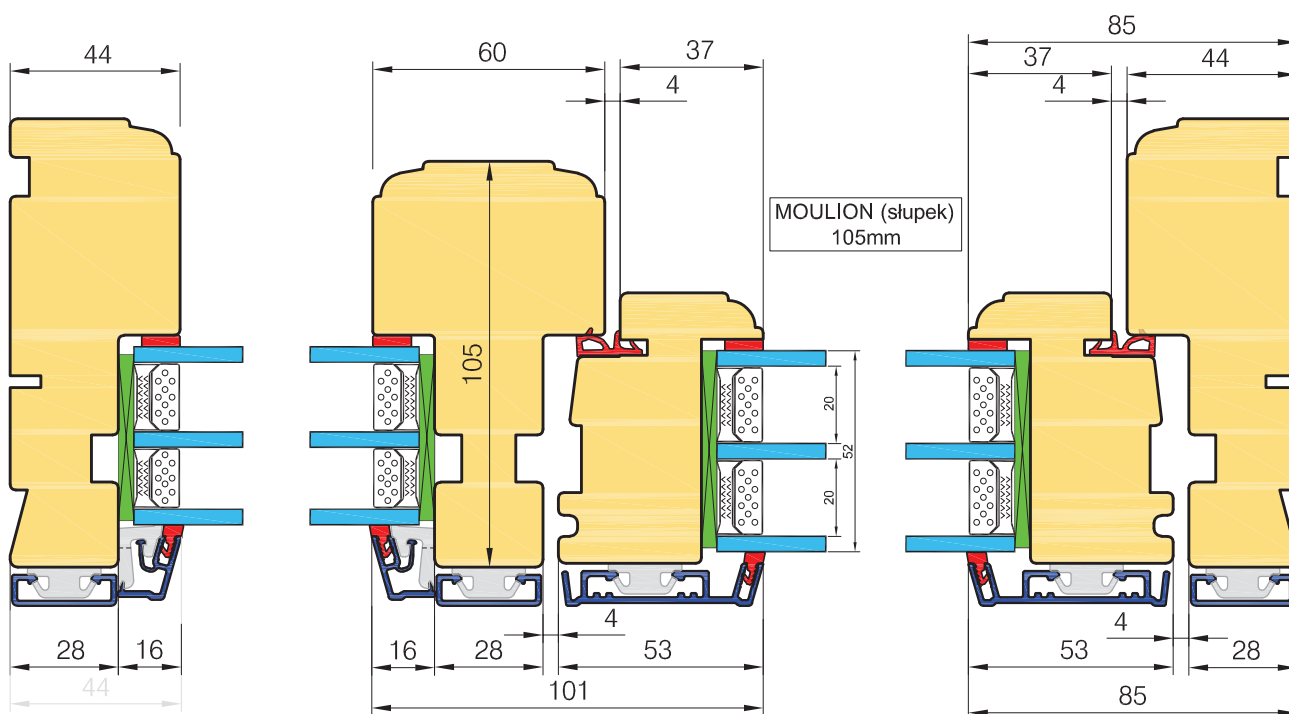


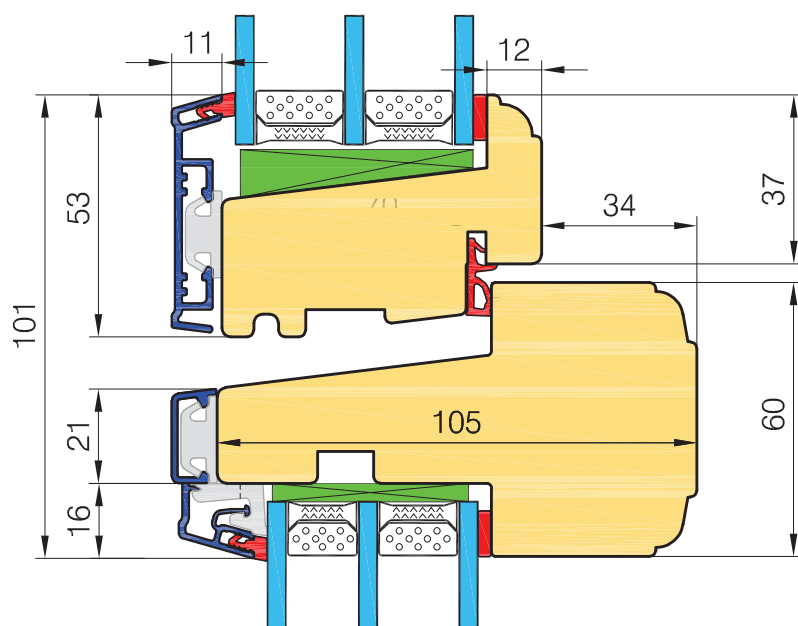
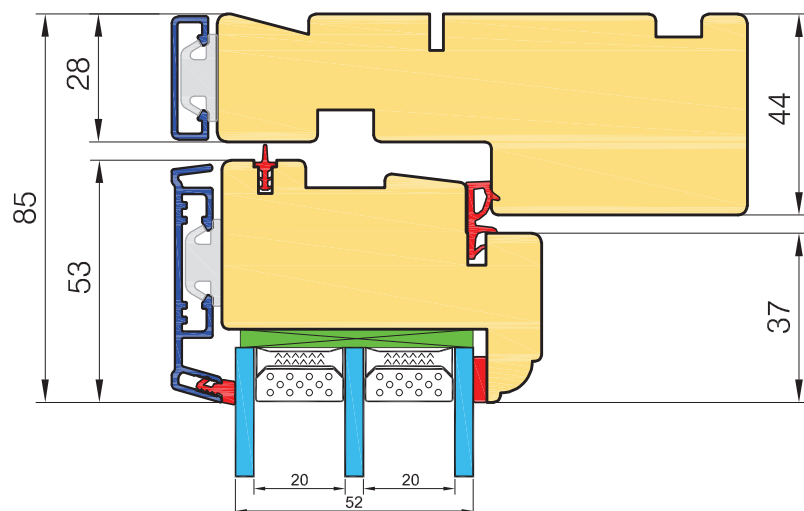
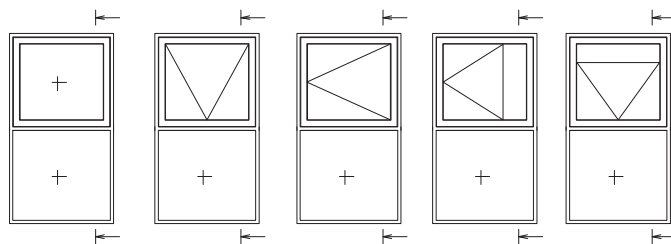
MOULION (słupek) / TRANSOM (ślemię)

116/105

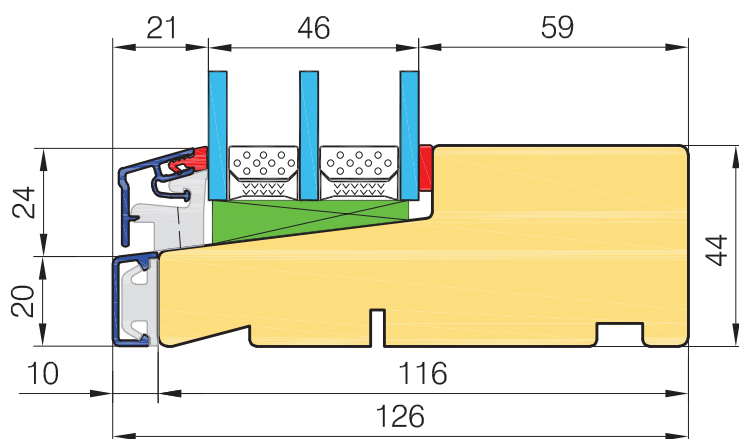


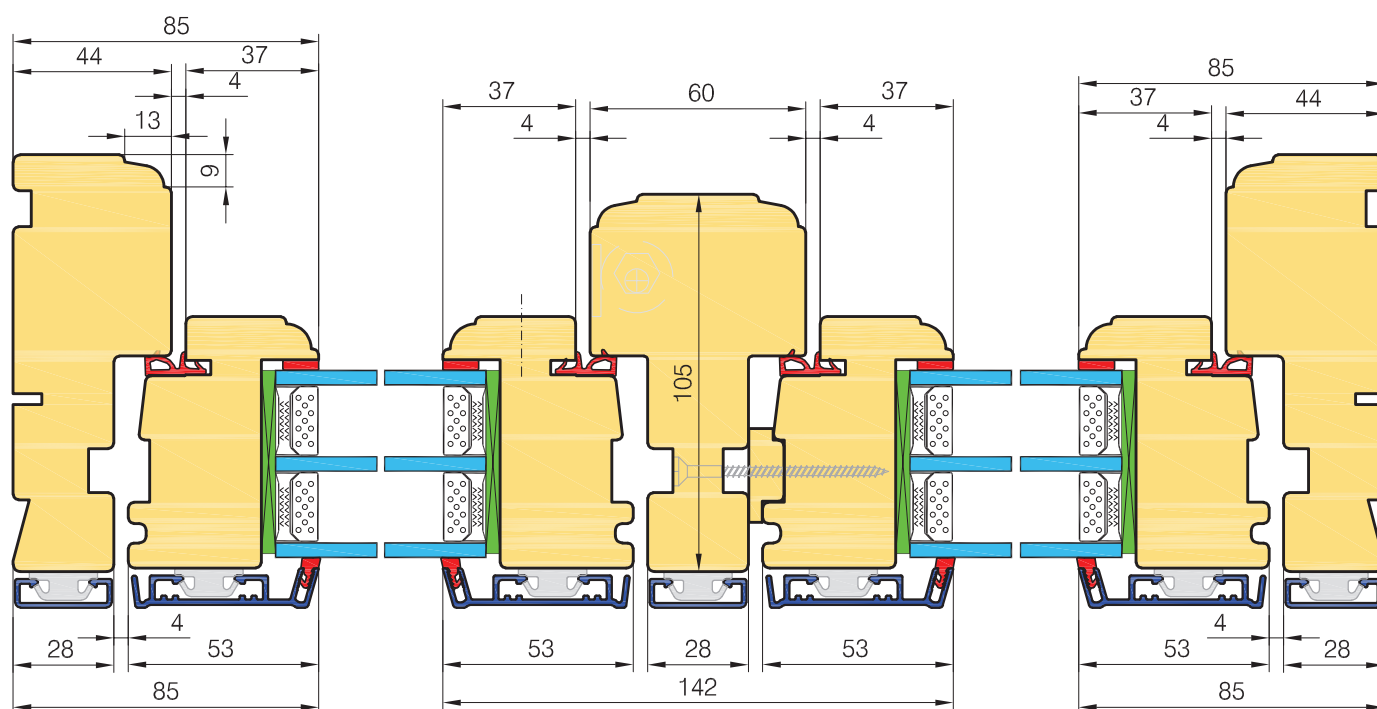
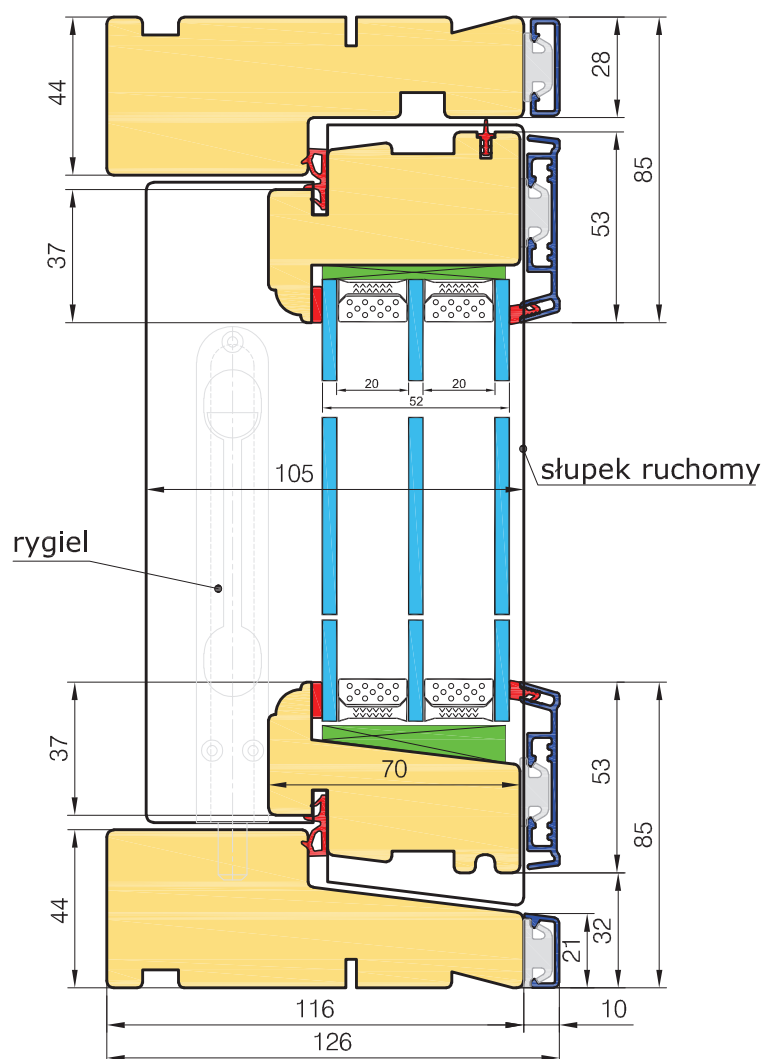
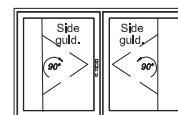
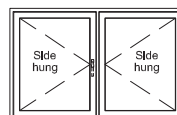
OPTIMA ALU - Profil CLASSIC - Okno. Słupek - 105, 116mm.

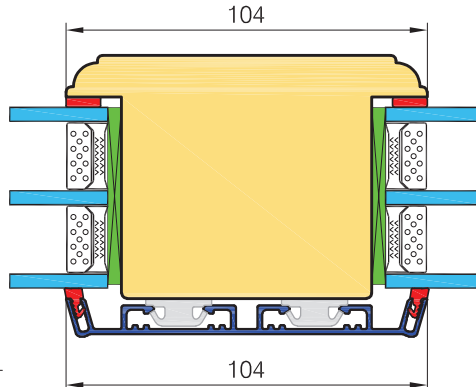
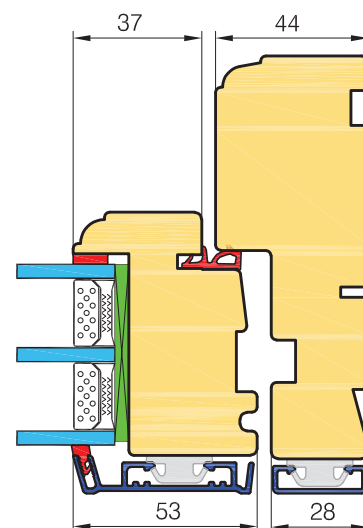
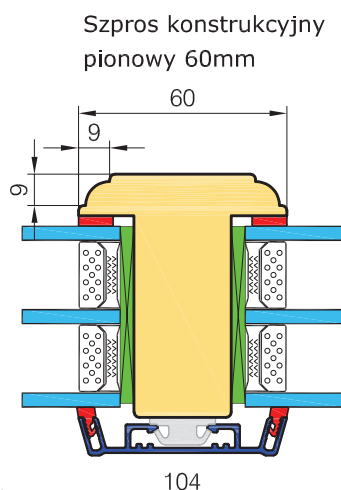
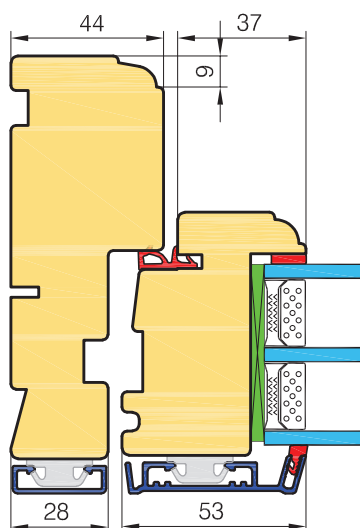
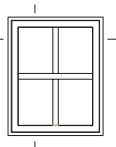




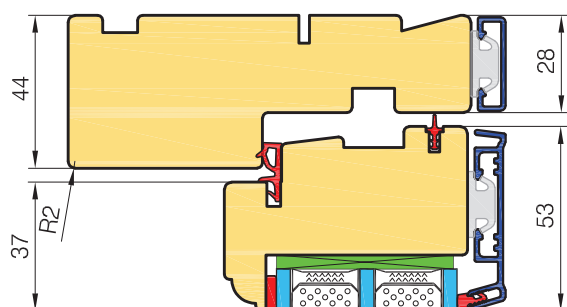
TRANSOM (ślęmię)
105mm



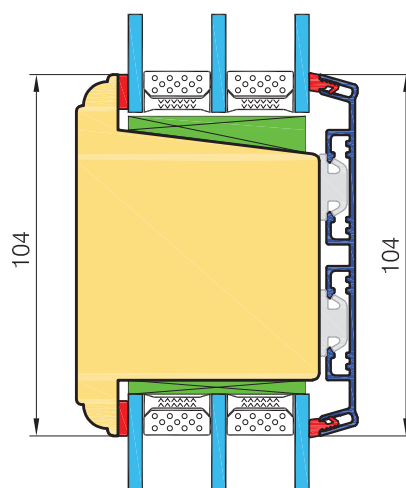
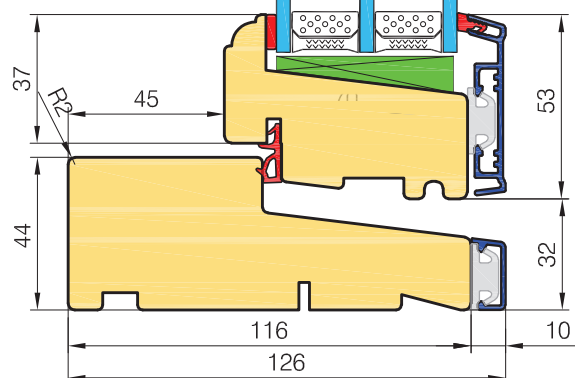
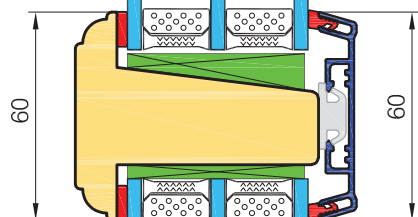




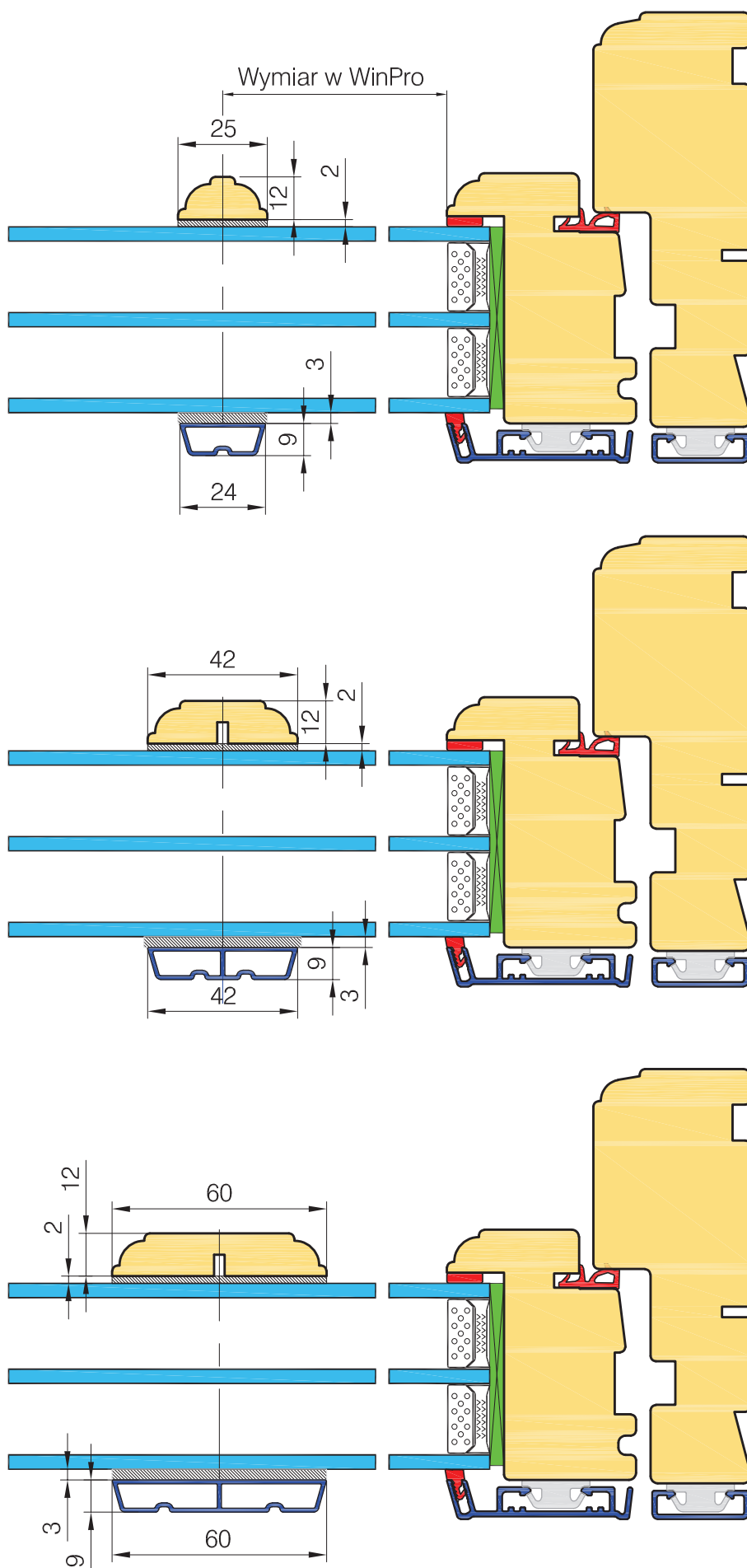
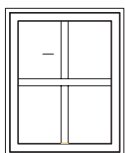
Szpros konstrukcyjny pionowy 104mm



Szpros konstrukcyjny poziomy 60mm



Szpros konstrukcyjny poziomy 104mm



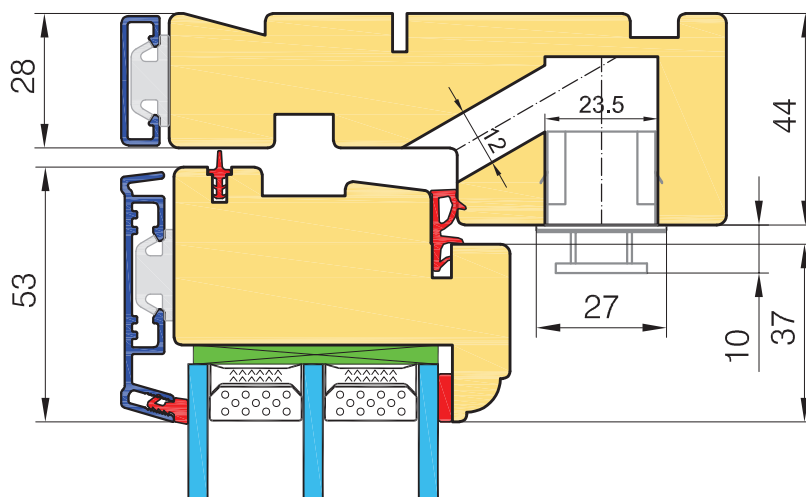
OPTIMA ALU - Profil CLASSIC - Nawiewnik CLICK VENT.

Kolor nawiewnika:

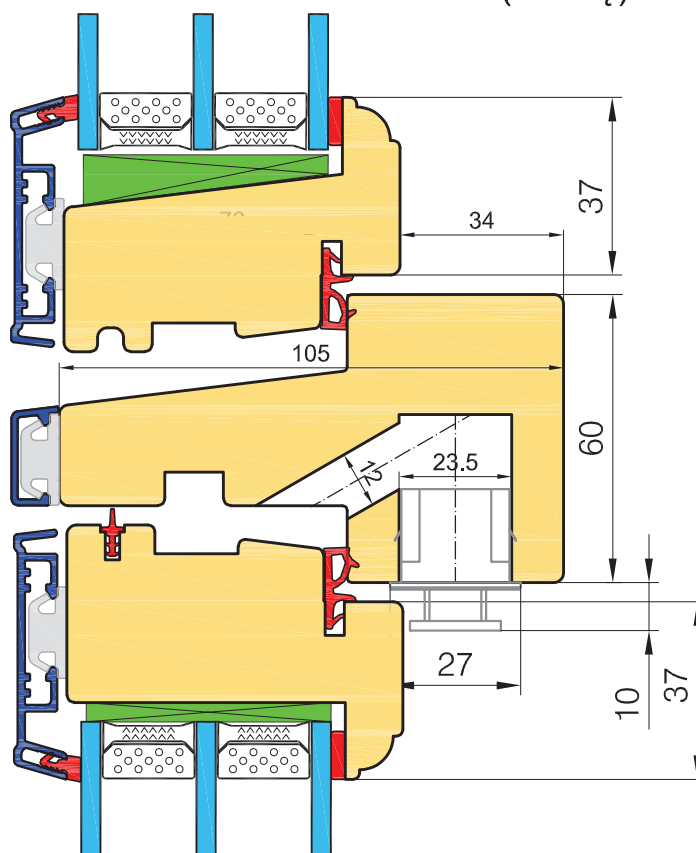
- biały,
- szary,

Nawiewnik CLICK VENT 343.

Nawiewnik CLICK VENT 268.



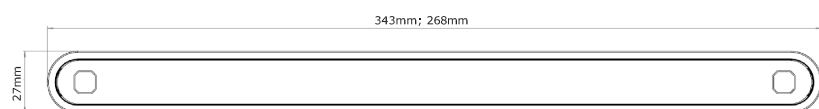
TRANSOM (ślemię) 105mm

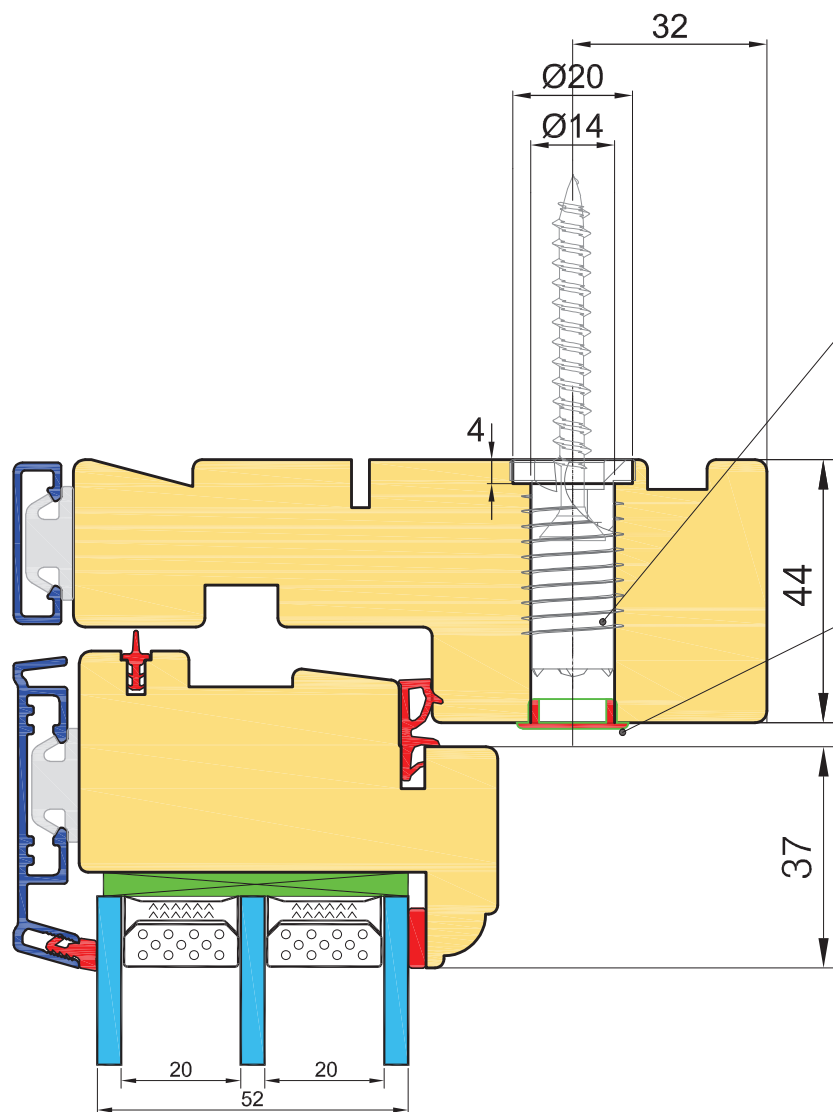


Zamknięty

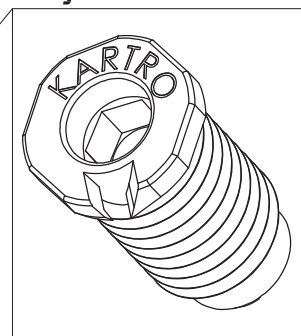


Otwarty

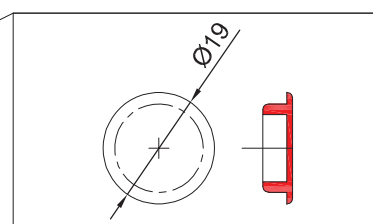




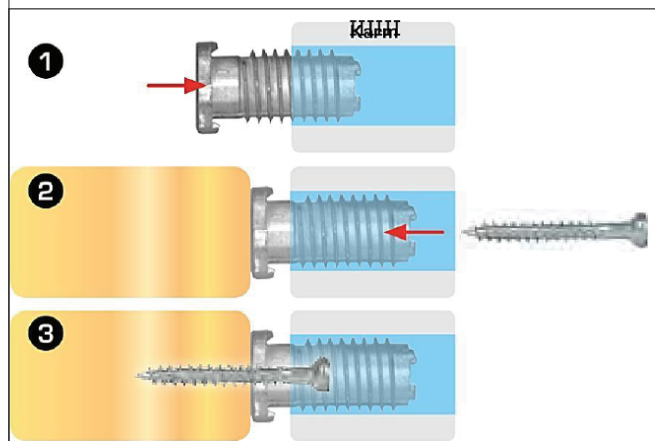
Adjufix



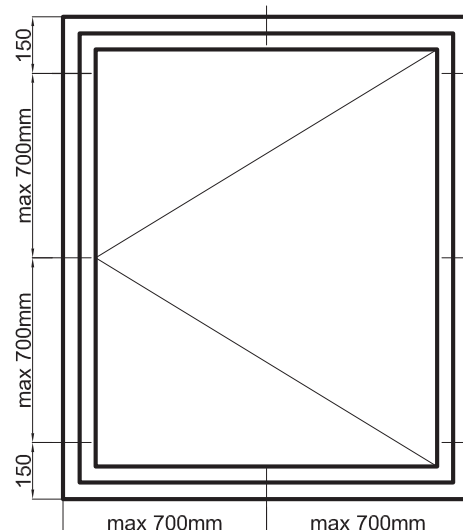
PVC plug



Sposób użycia

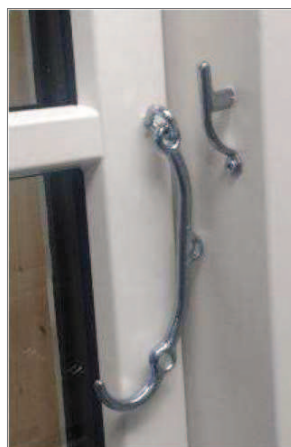


Rozmieszczenie nawierceń

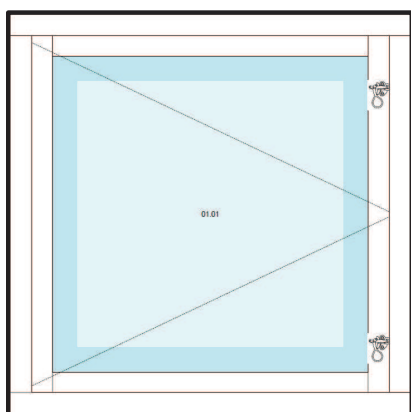




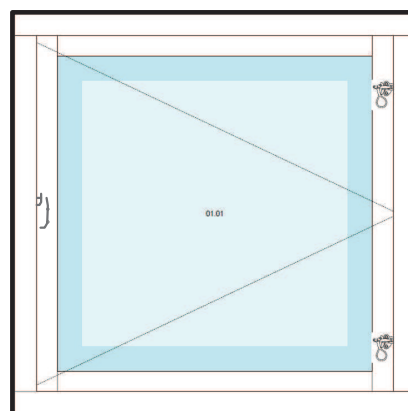
Zamknięcie haczykowe



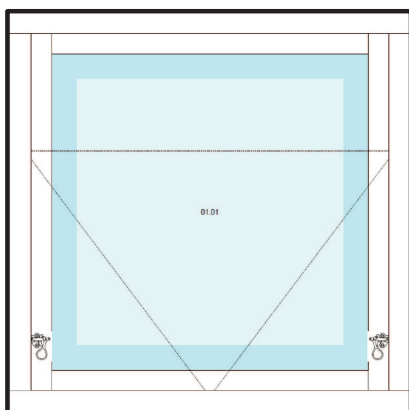
Ogranicznik hakowy
(po stronie zawiasów)



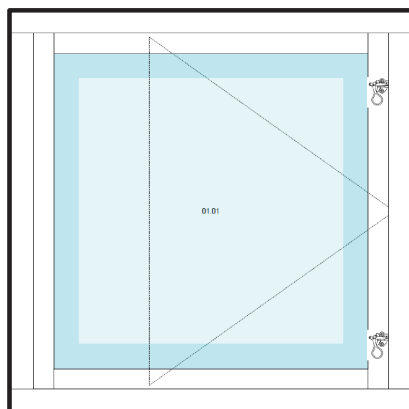
Side hung (okucie OPTA-SH_A)



Side hung (okucie OPTA-SH_A)



Topguided (okucie OPTA-TG_90_A)



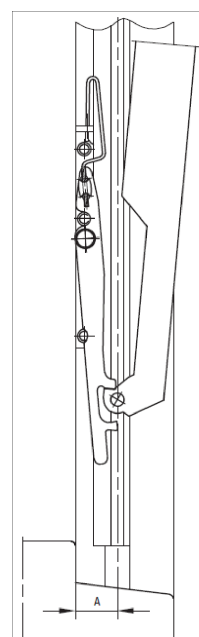
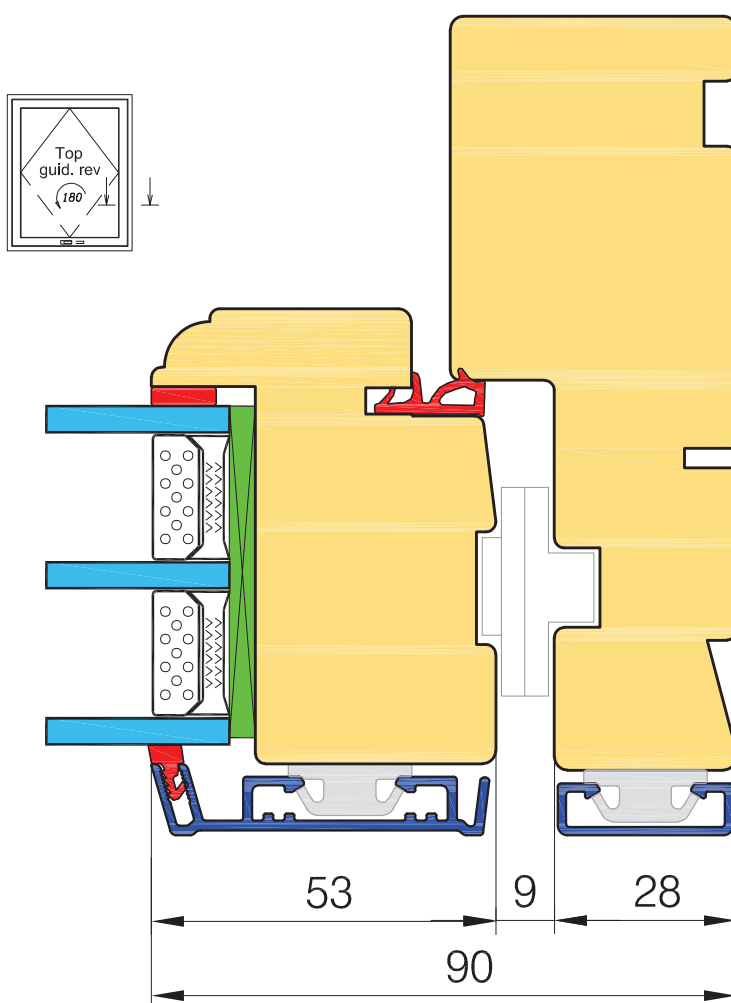
Side Swing (okucie OPTA-SG_90_A)

Ogranicznik załącza się automatycznie.

Mechanizm jest standardowo montowany w skrzydłach Top Guided Reversible (obrotowe) - TG180.

Skrzydło okna należy otwierać do momentu, w którym automatycznie zadziała ogranicznik.

Aby otworzyć i zamknąć okno, należy wcisnąć dolną część ogranicznika bezpieczeństwa, pociągnąć/popchnąć skrzydło, aby otworzyć/zamknąć okno.



I

II

III

IV

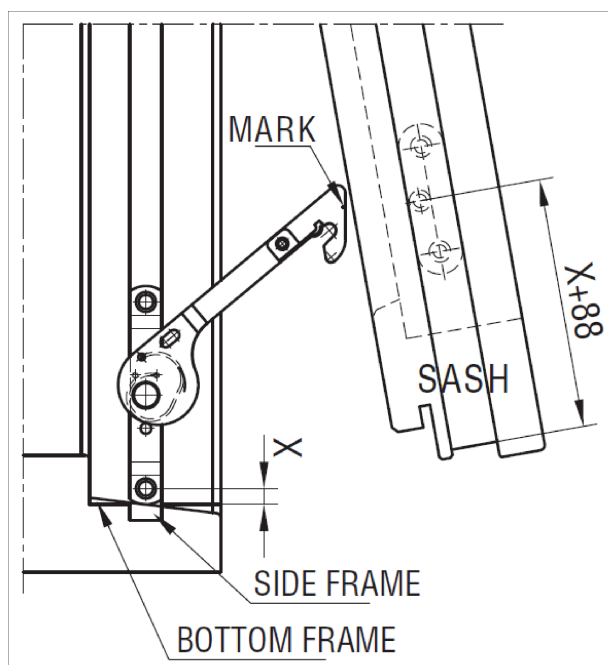
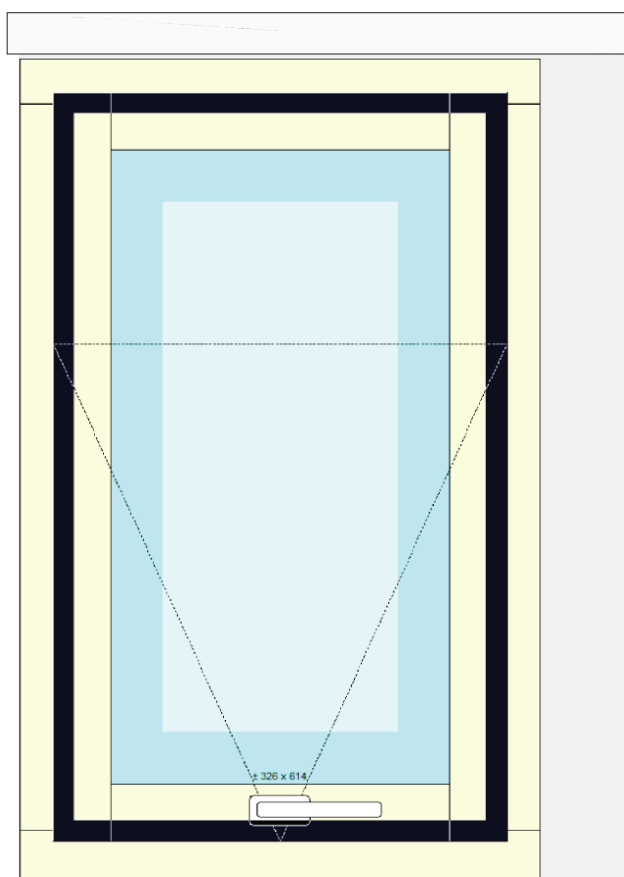
V



Mechanizm opcjonalnie może być montowany w skrzydłach Top Guided (odchylane na zewnątrz) - TG90.

Instrukcja użytkowania:

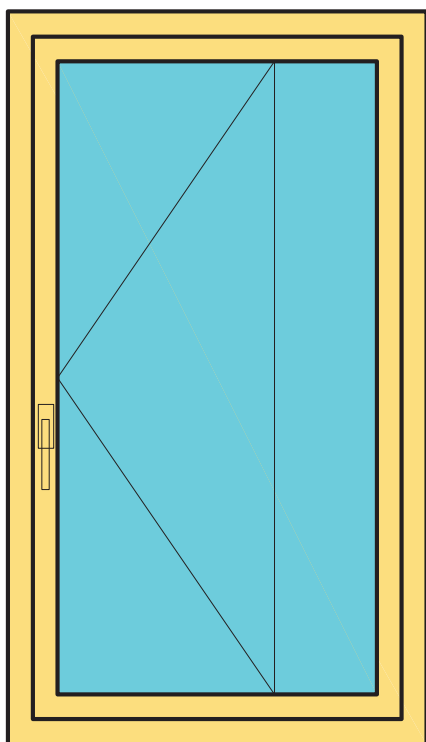
1. Otworzyć okno tak, aby ogranicznik znalazł się na swoim miejscu.
2. Przesunąć skrzydło o 20 mm do tyłu.
3. Wcisnąć ramię ogranicznika w kierunku oznaczonym strzałką i otworzyć okno.
4. Po zamknięciu okna następuje automatyczna blokada ogranicznika.



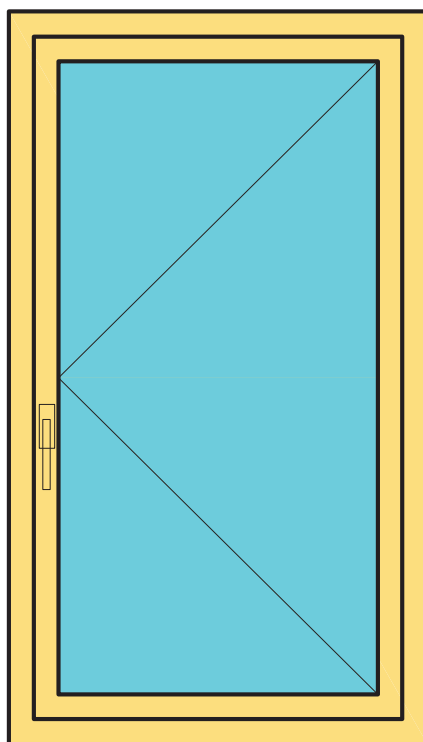
RESTRICTOR

RESTRYKTOR IPA 21230 - ogranicznik otwarcia

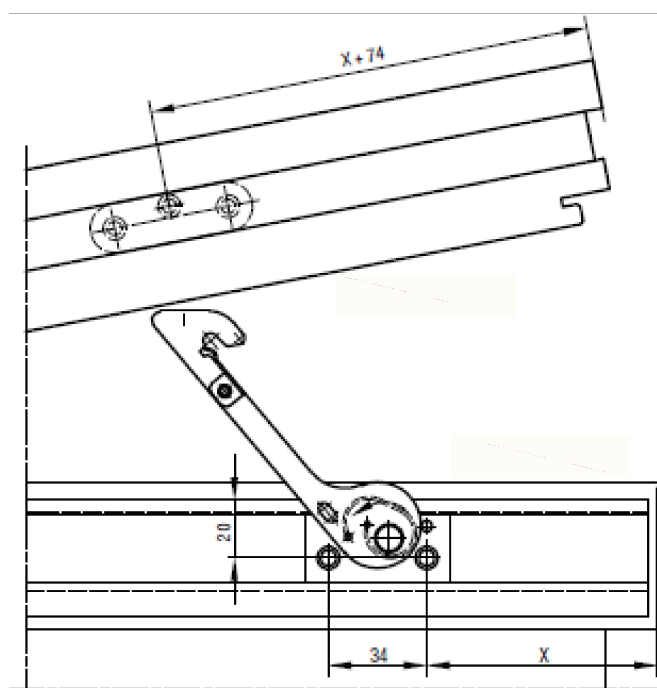
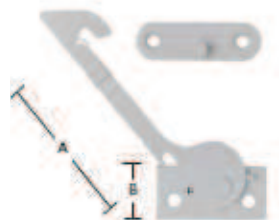
Okna OPTIMA ALU - Side hung (SH),
- Side swing 90,



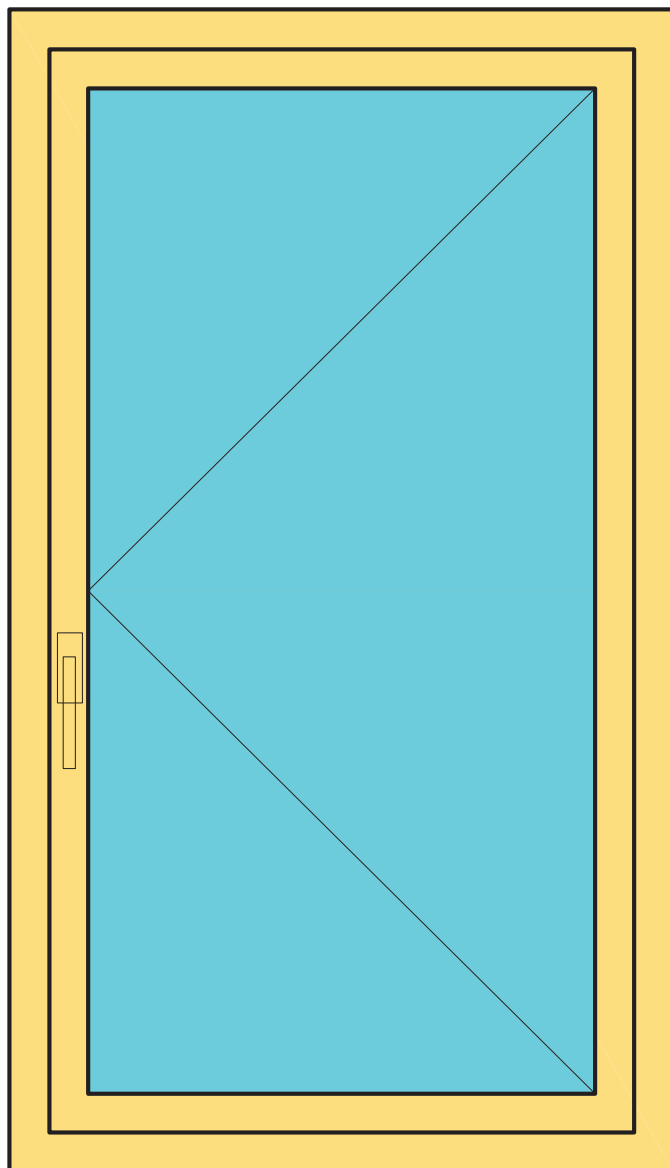
- Side Swing 90,



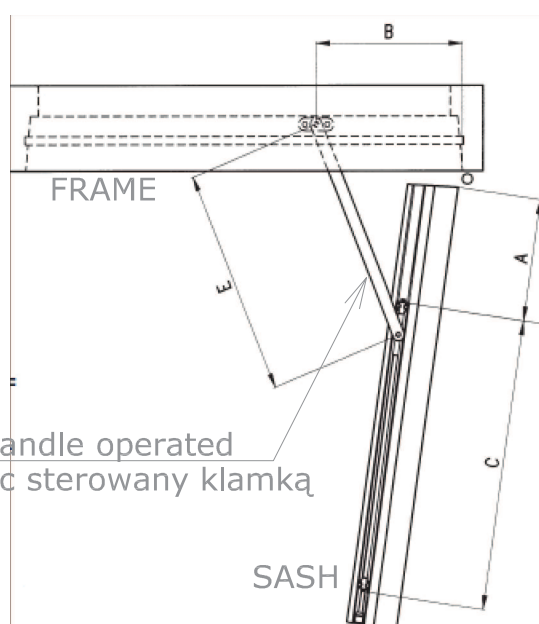
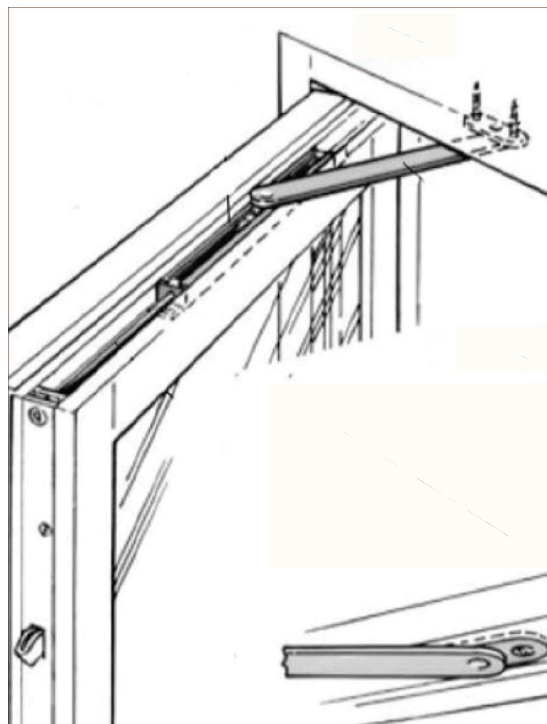
Side hung (SH)



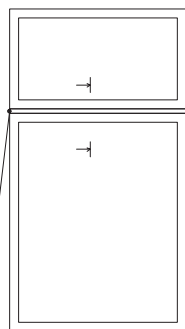
Hamulec umożliwia blokowanie rozwartego skrzydła w żądanym położeniu poprzez obrót klamki. Montowany jest we wrębie okuciowym. Stosowany w skrzydłach Side hung.



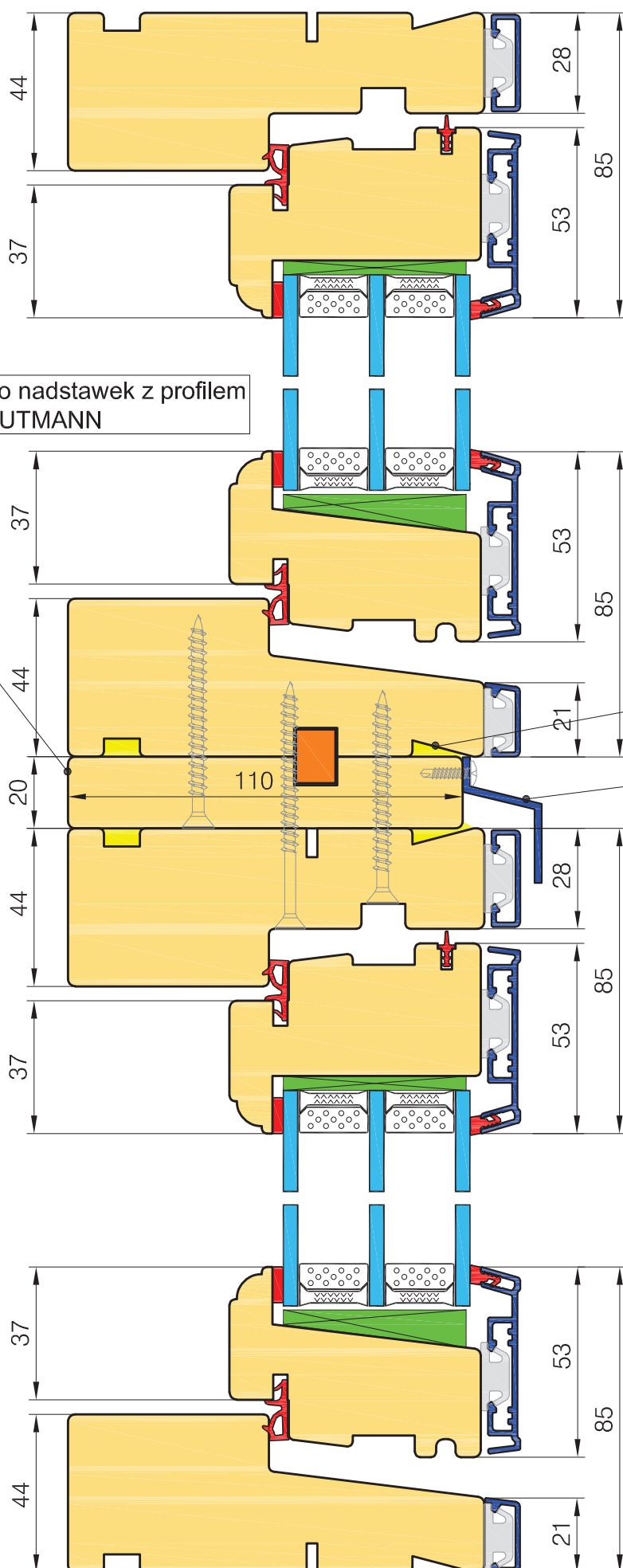
Side hung (SH)



Brake handle operated
Hamulec sterowany klamką

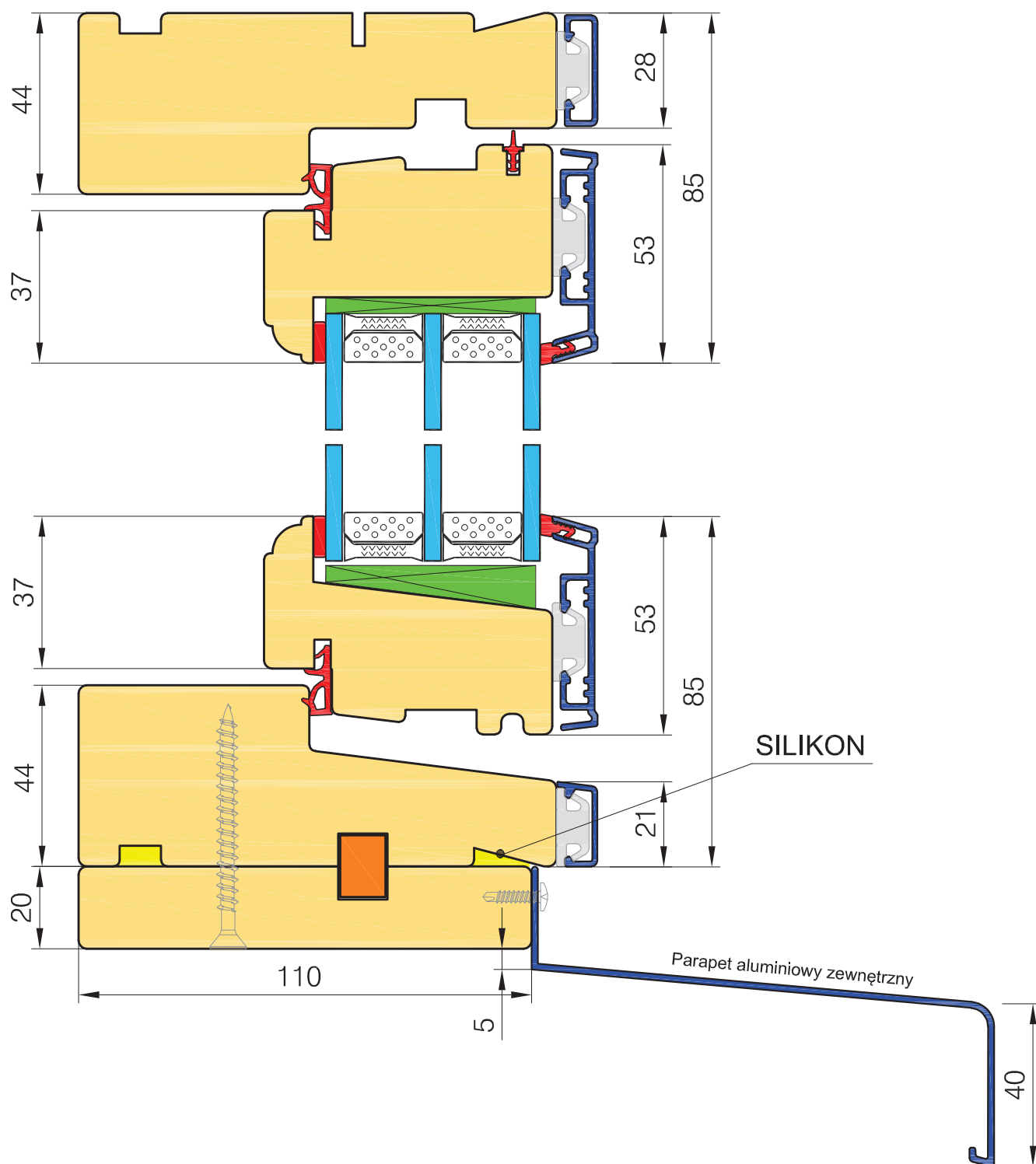


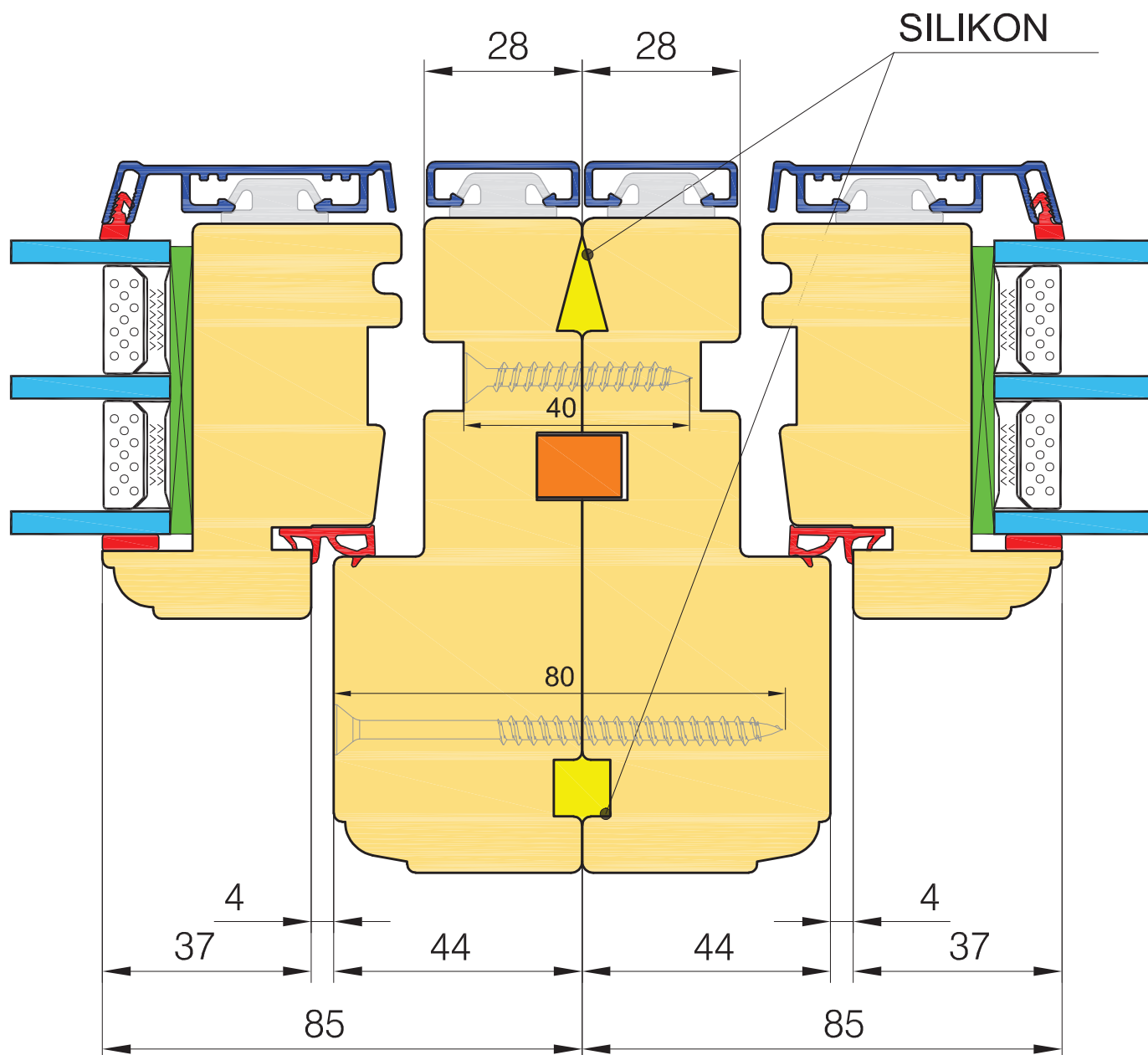
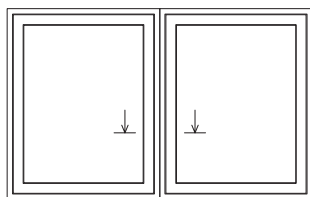
Łącznik 20x110 do nadstawek z profilem okapowym Z22 GUTMANN



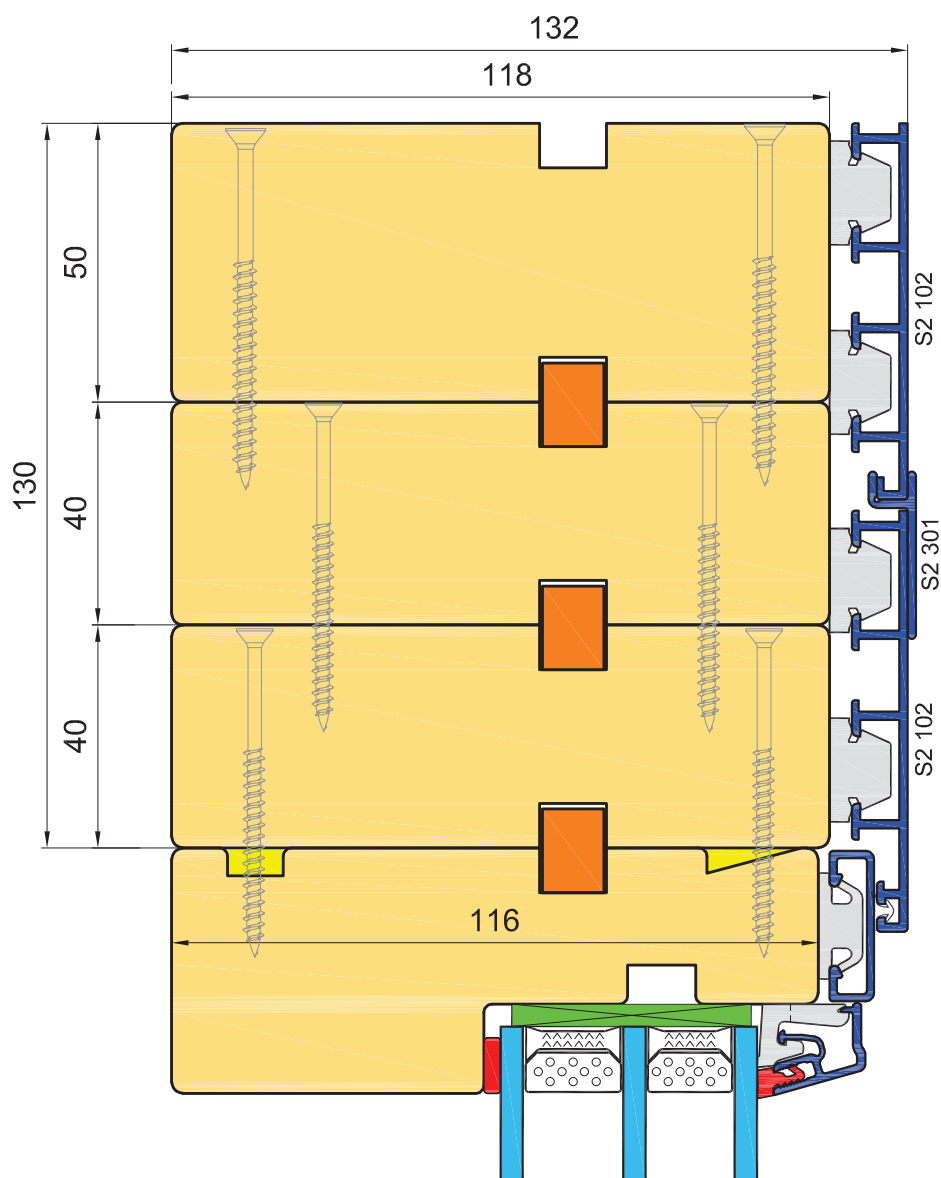
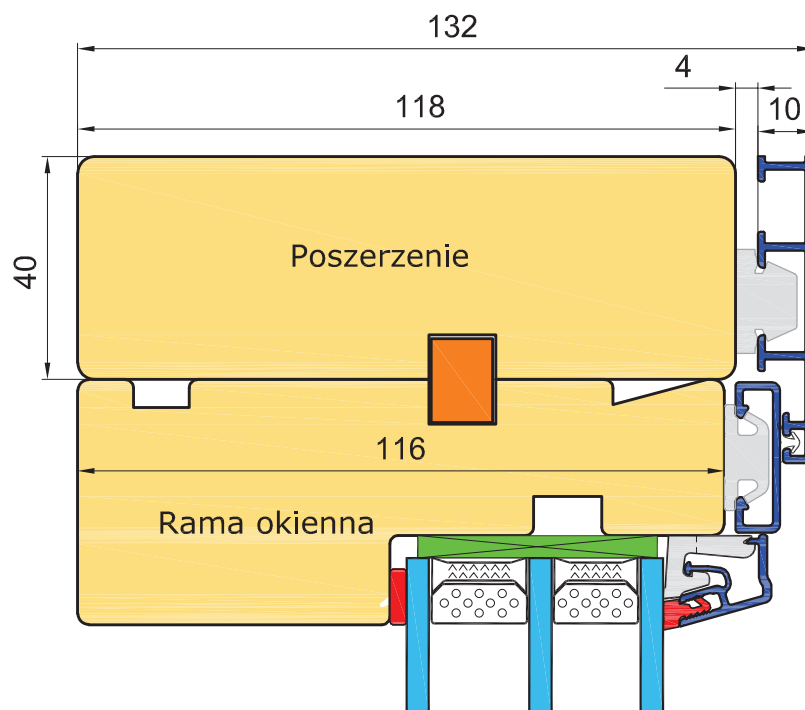
SILIKON

Profil aluminiowy
Gutmann Z-22

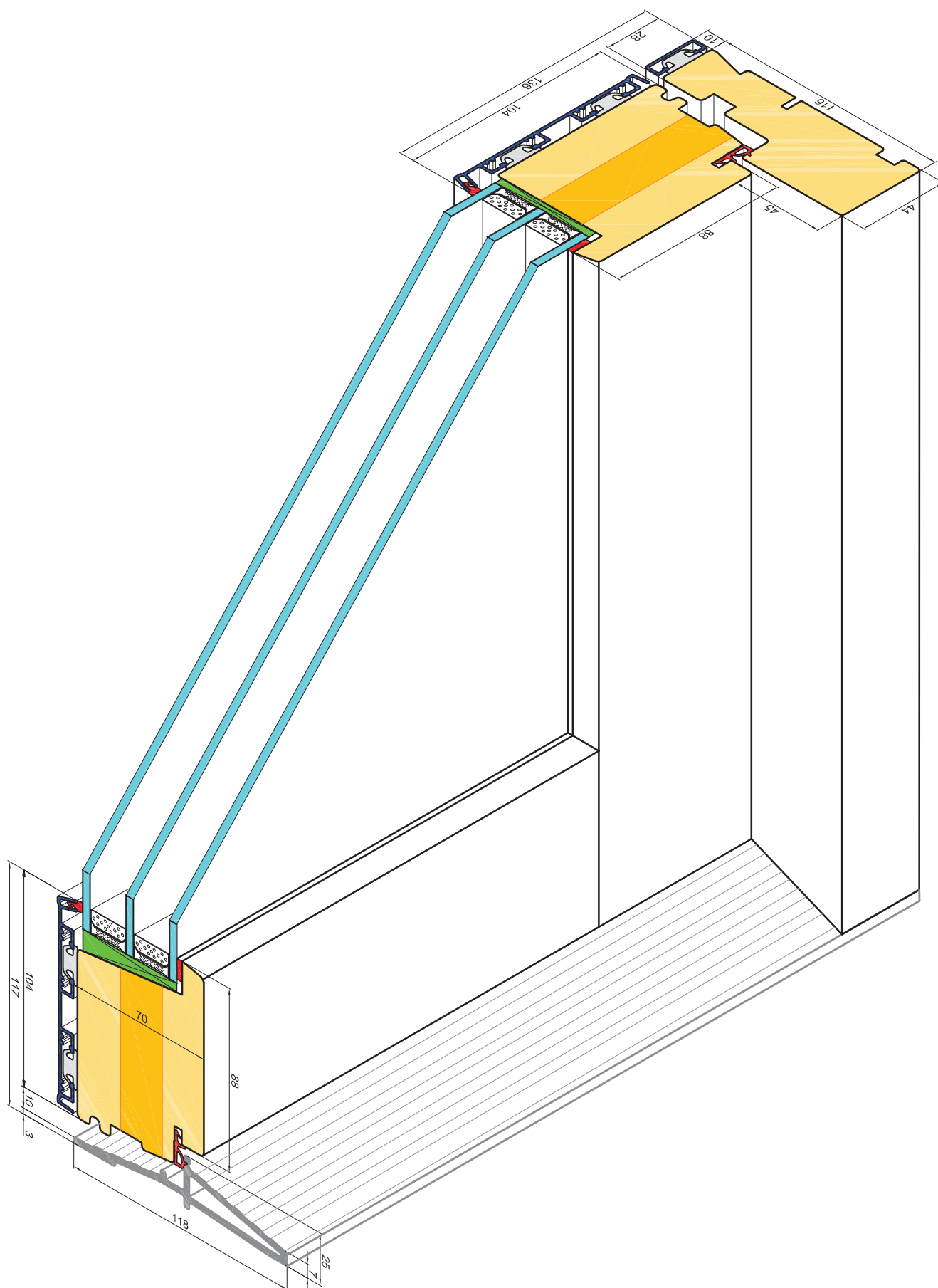


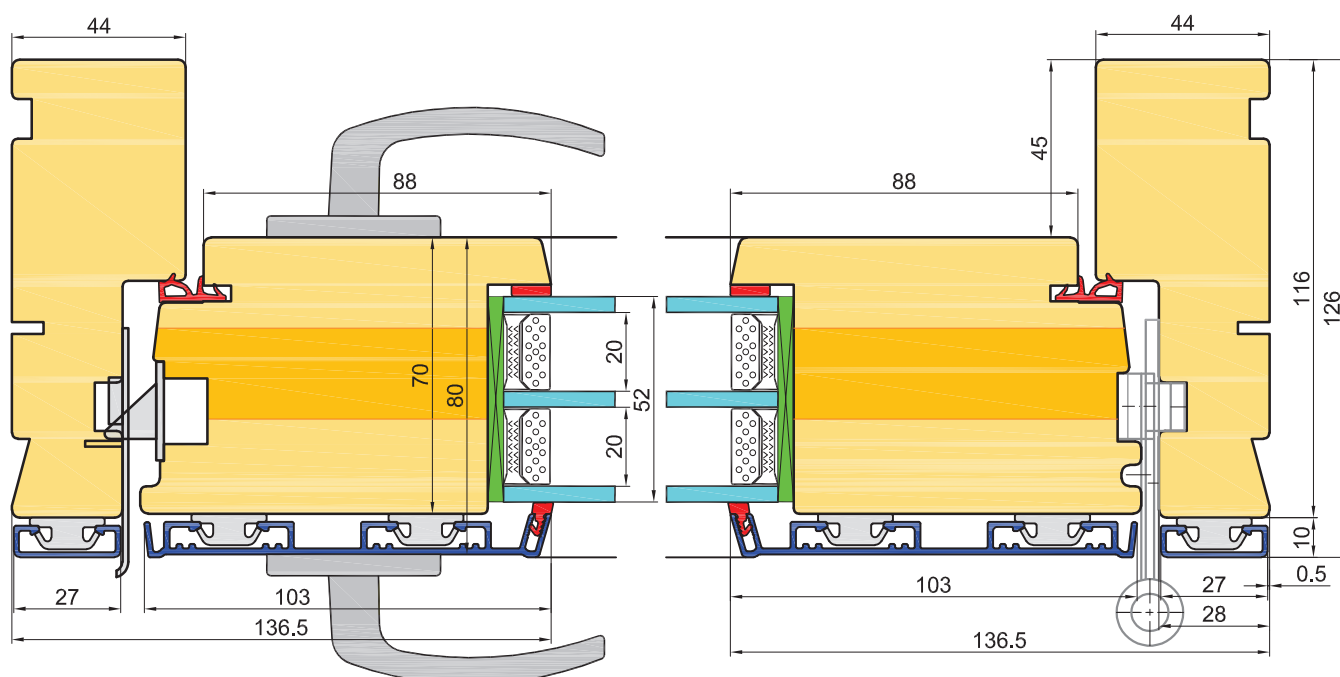
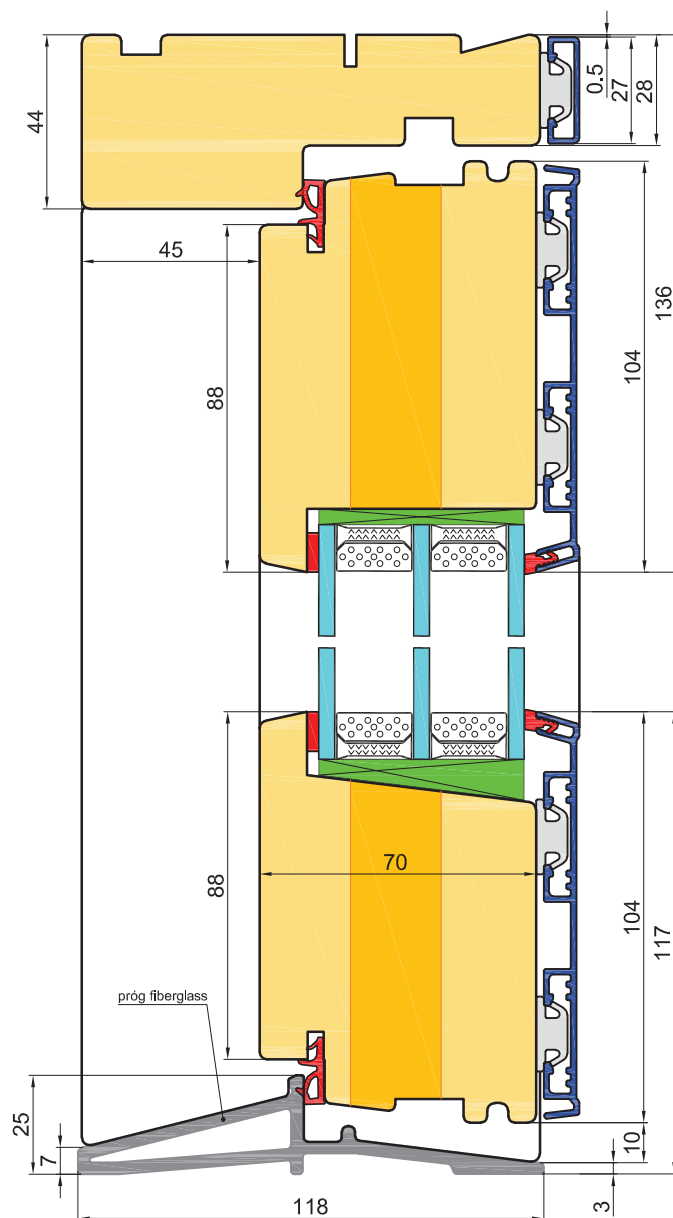
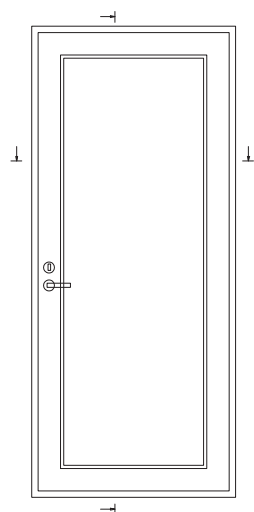


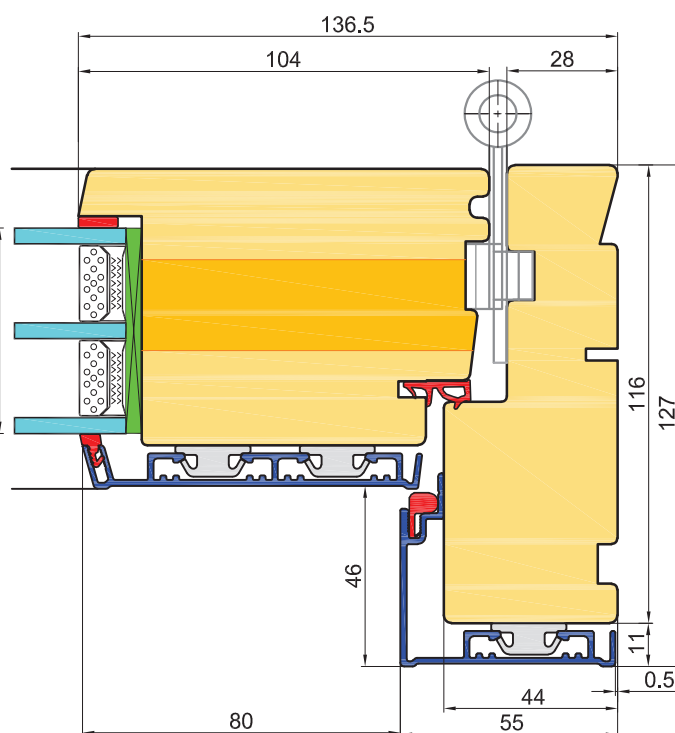
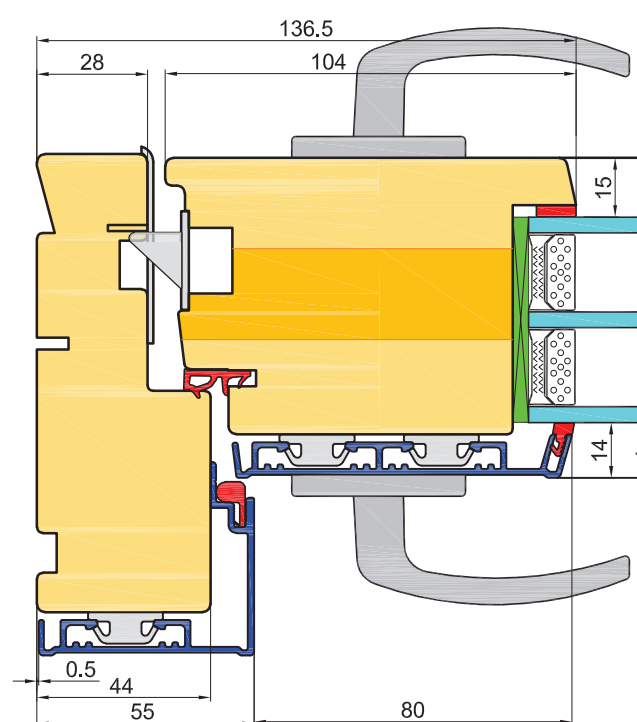
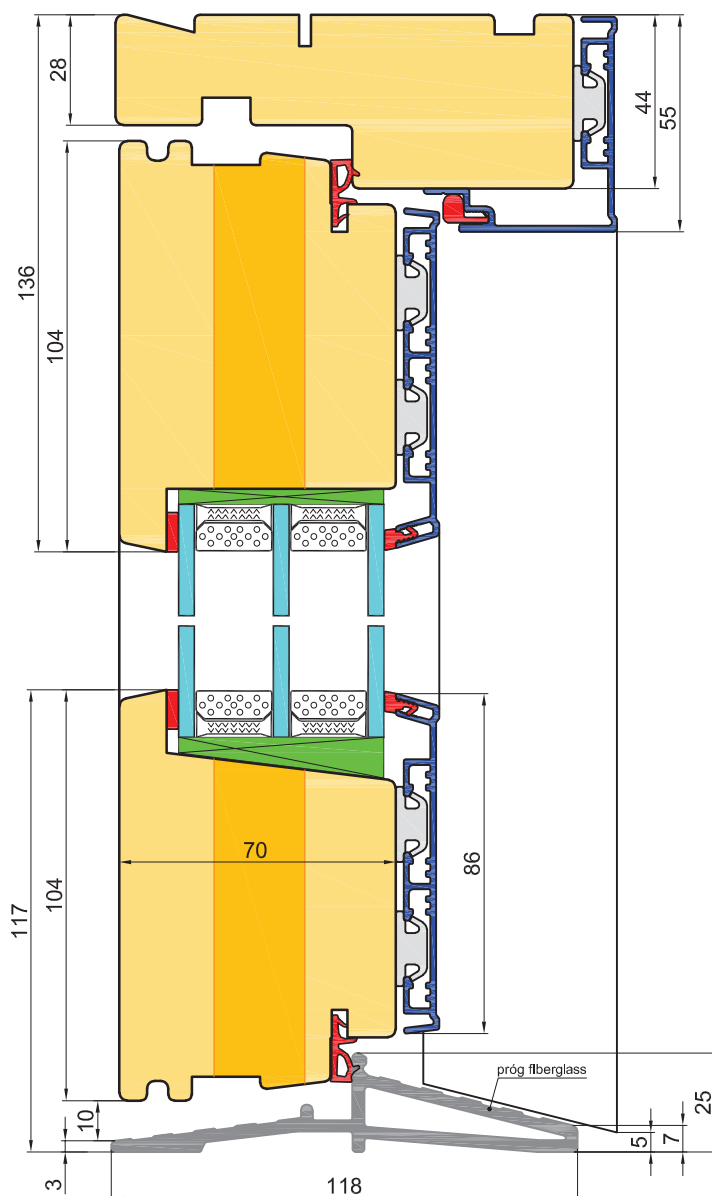
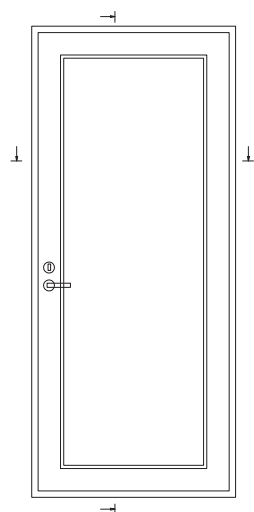
Poszerzenie 118x30
Poszerzenie 118x50
Poszerzenie 118x60
Poszerzenie 118x70
Poszerzenie 118x80
Poszerzenie 118x90
Poszerzenie 118x100
Poszerzenie 118x110
Poszerzenie 118x120
Poszerzenie 118x130

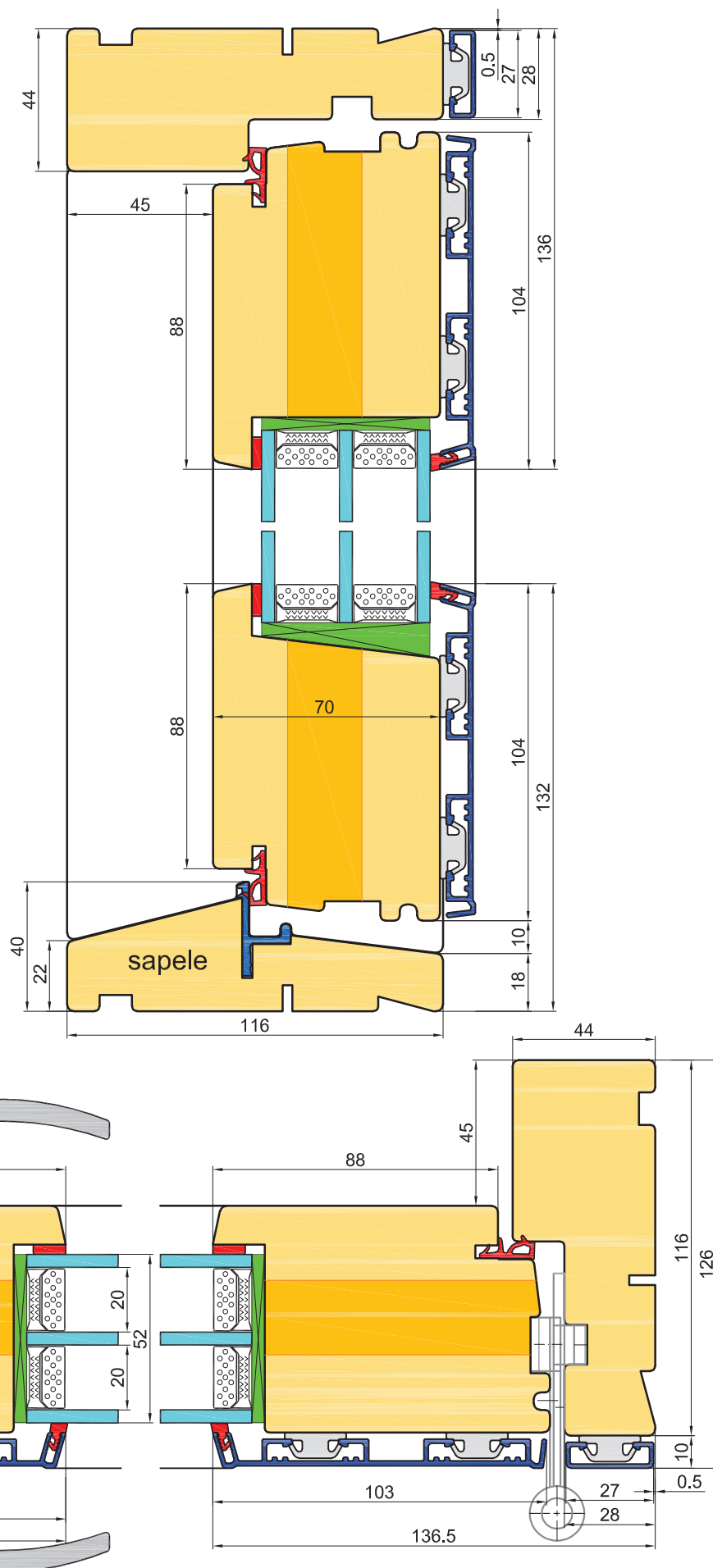
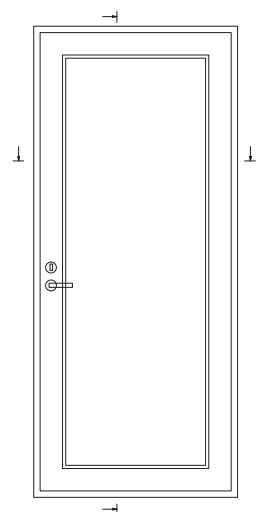


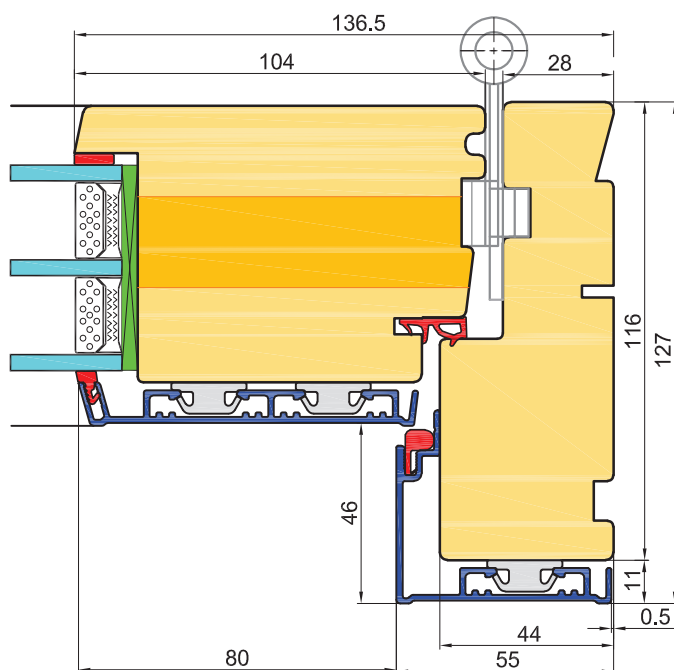
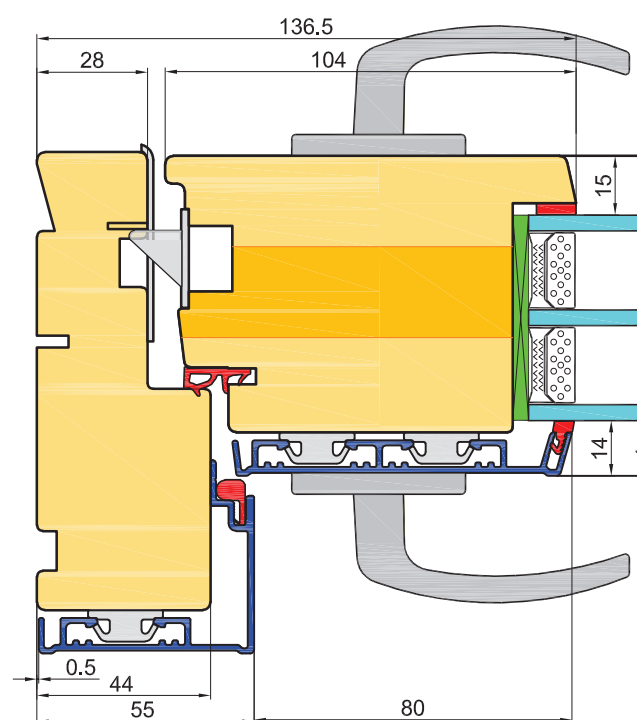
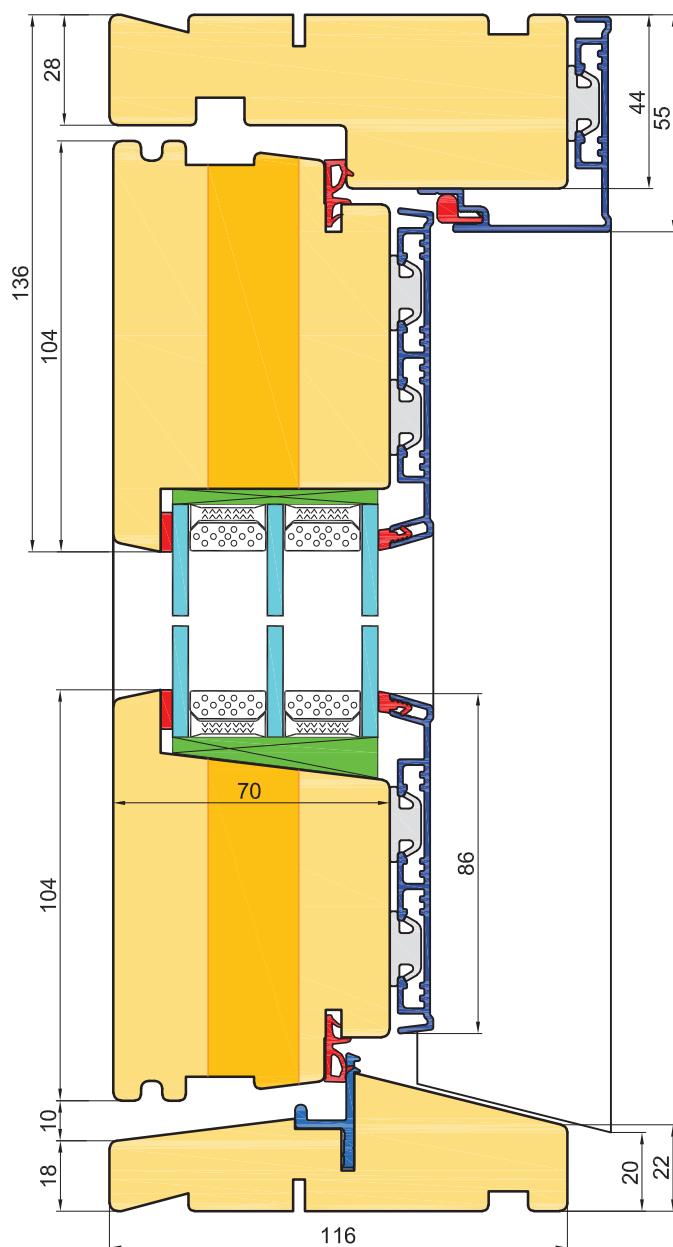
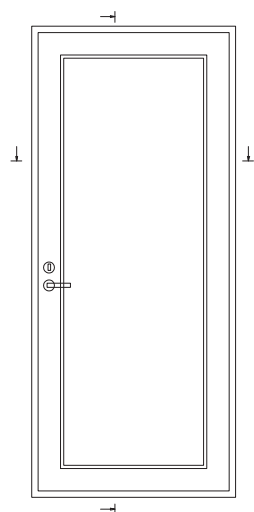
OPTIMA ALU - PROFIL SOFT - DRZWI

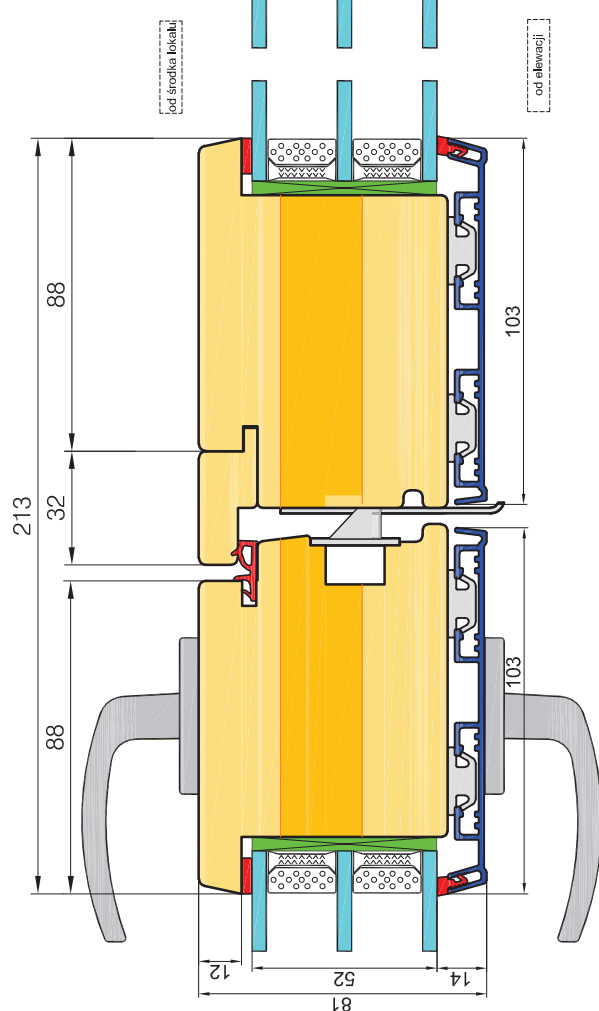
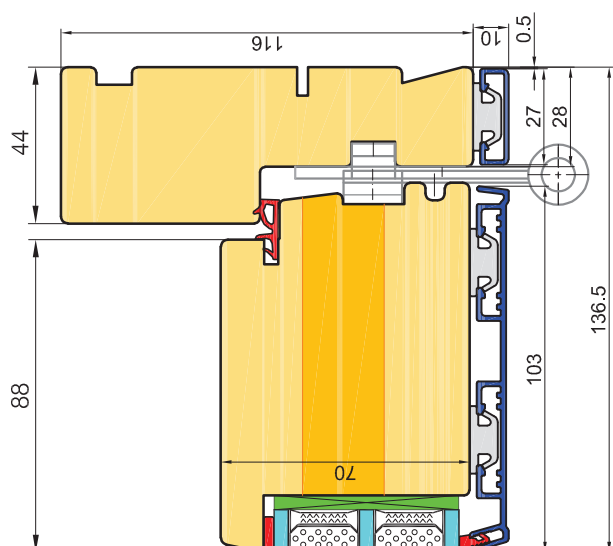
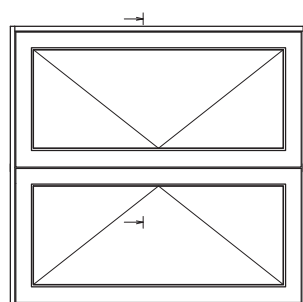




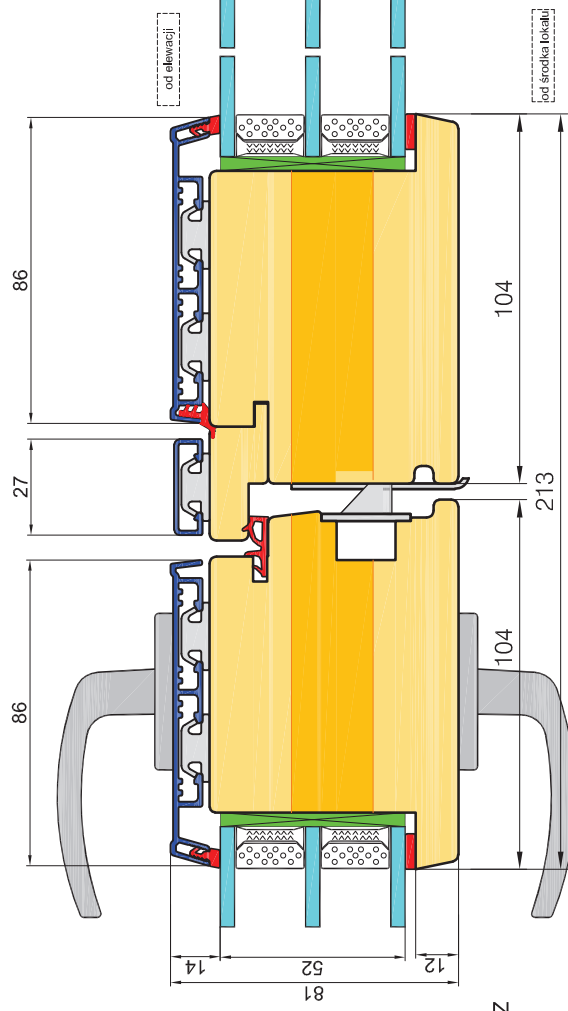
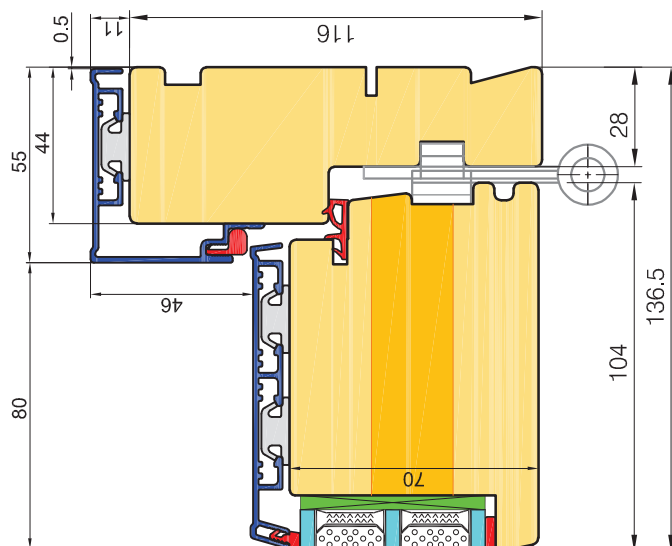




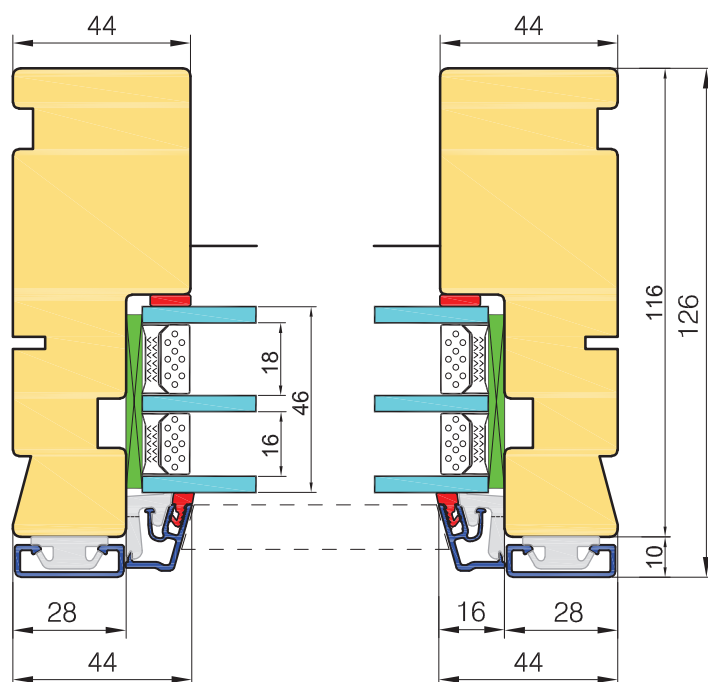
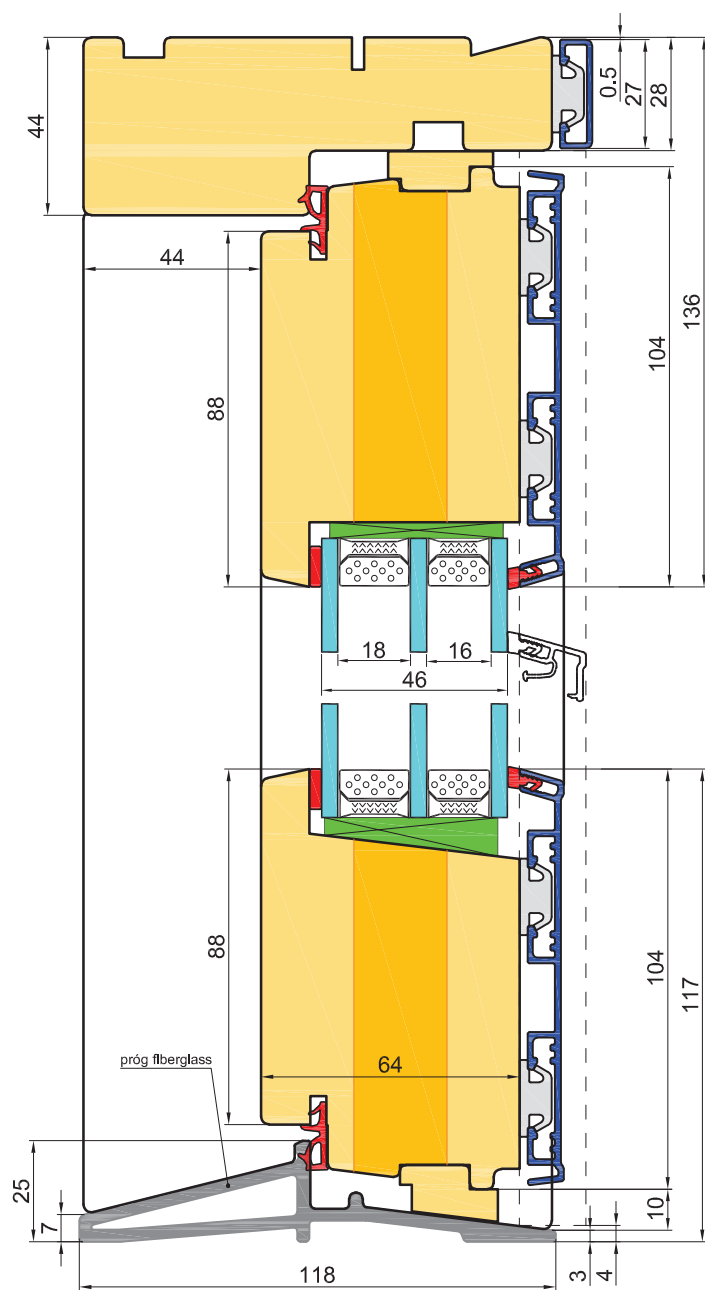
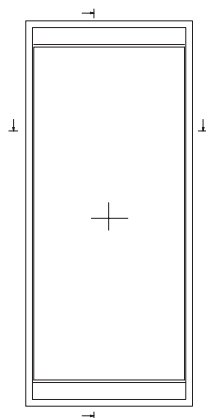


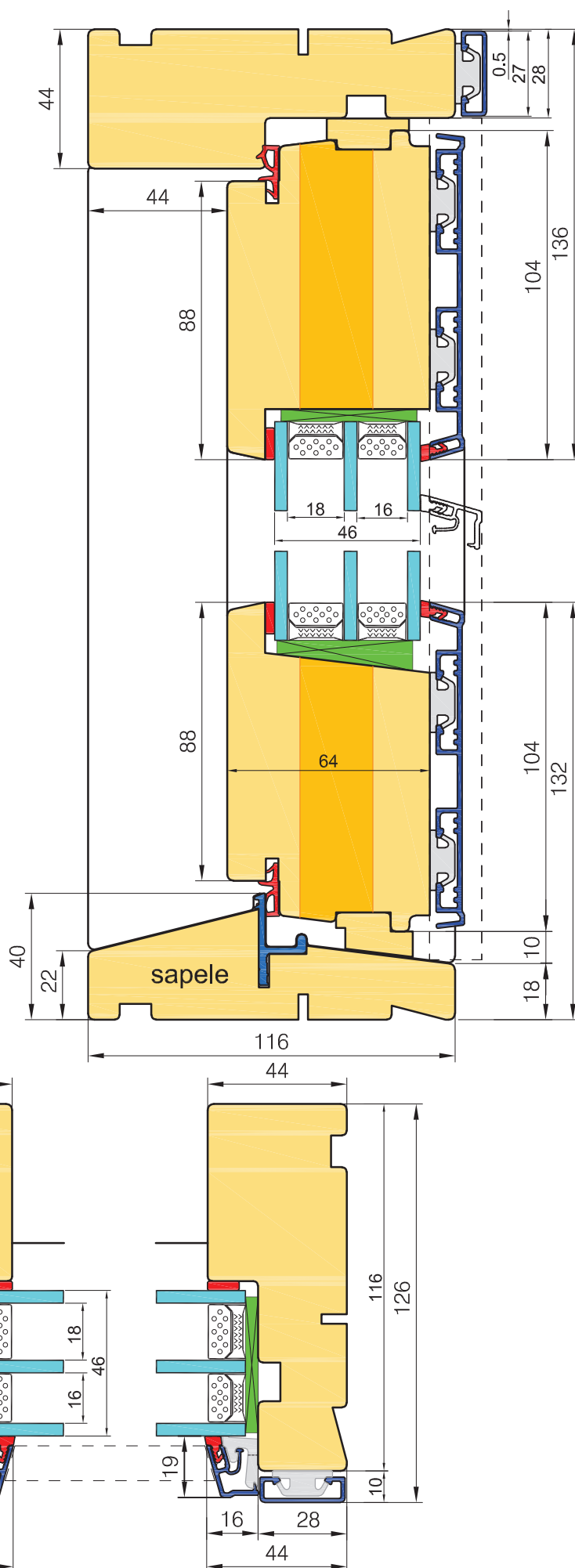
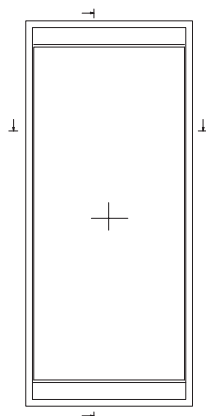


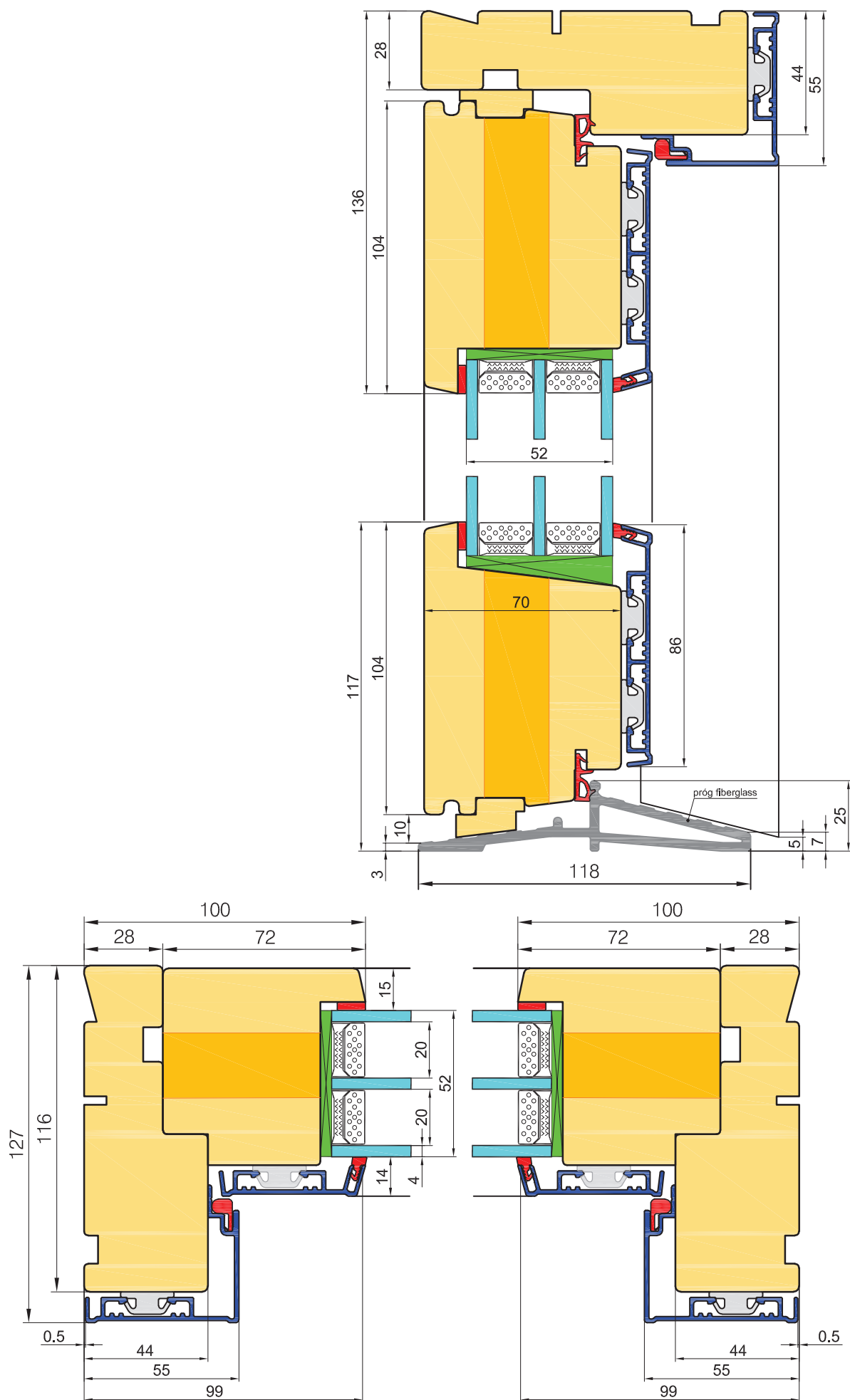
DRZWI OTWIERANE NA ZEWNAŁRZ
- SŁUPEK RUCHOMY

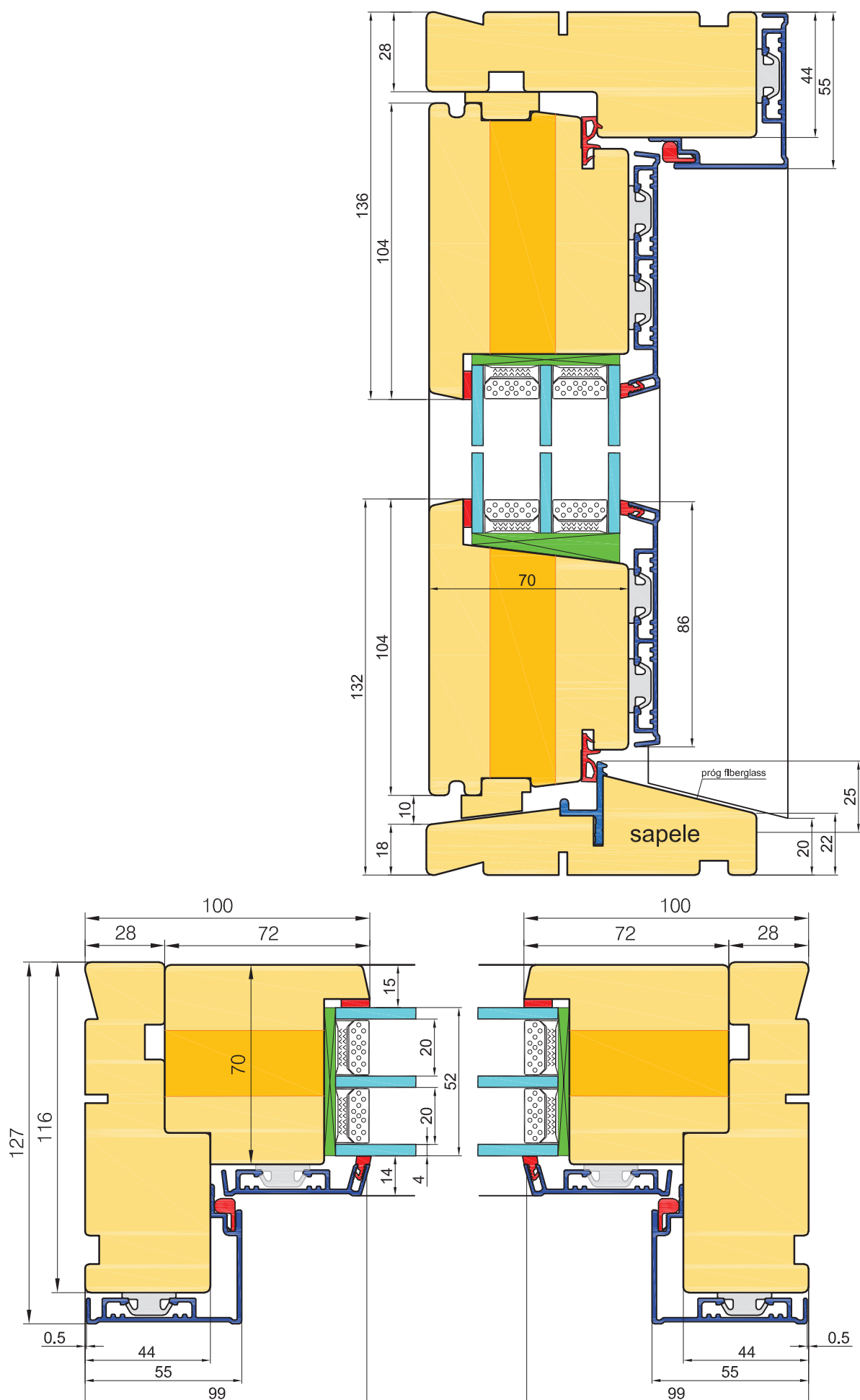


DRZWI OTWIERANE DO WĘWNAŁRZ
- SŁUPEK RUCHOMY





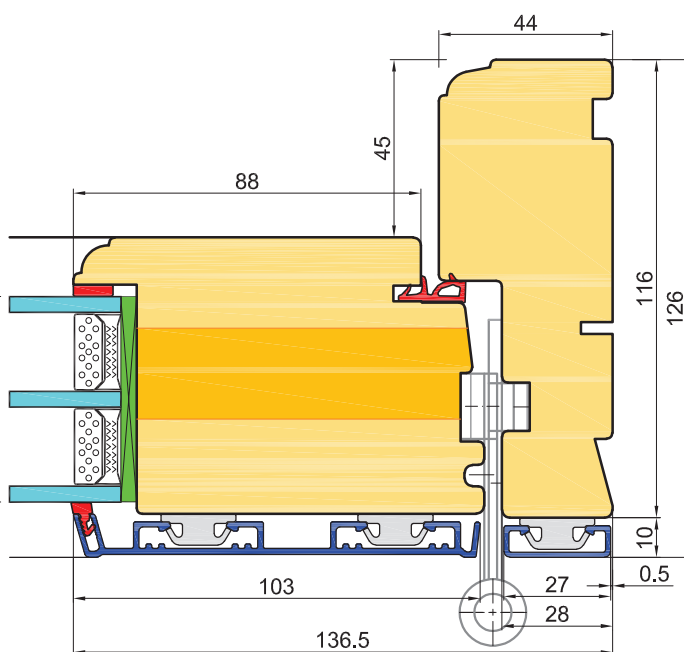
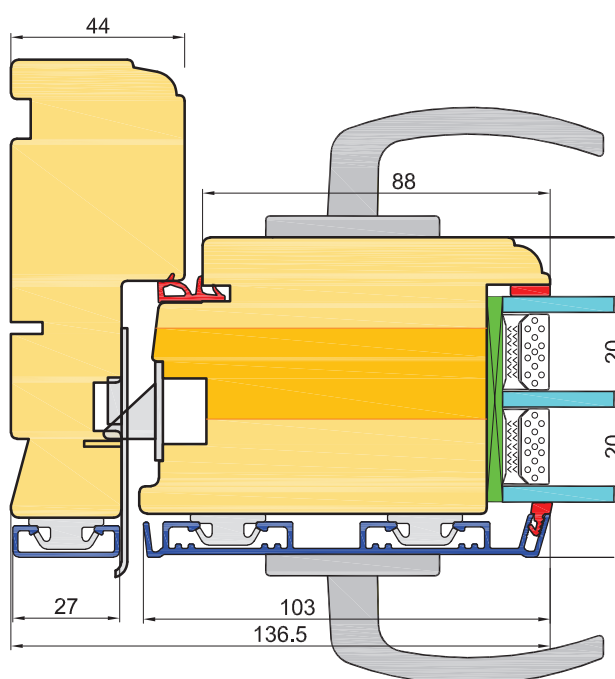
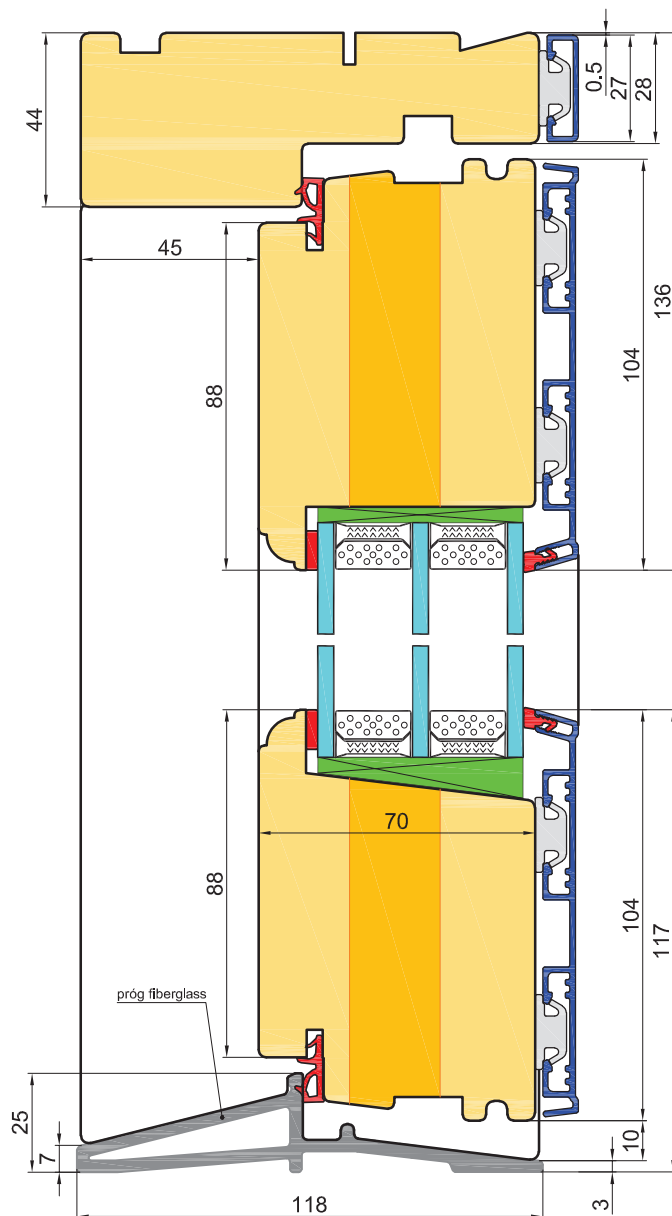
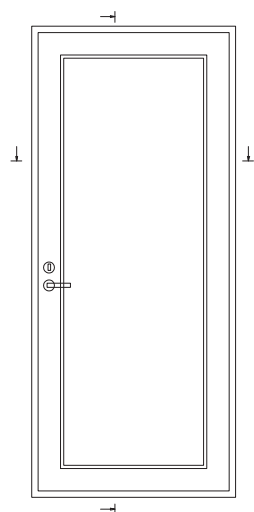


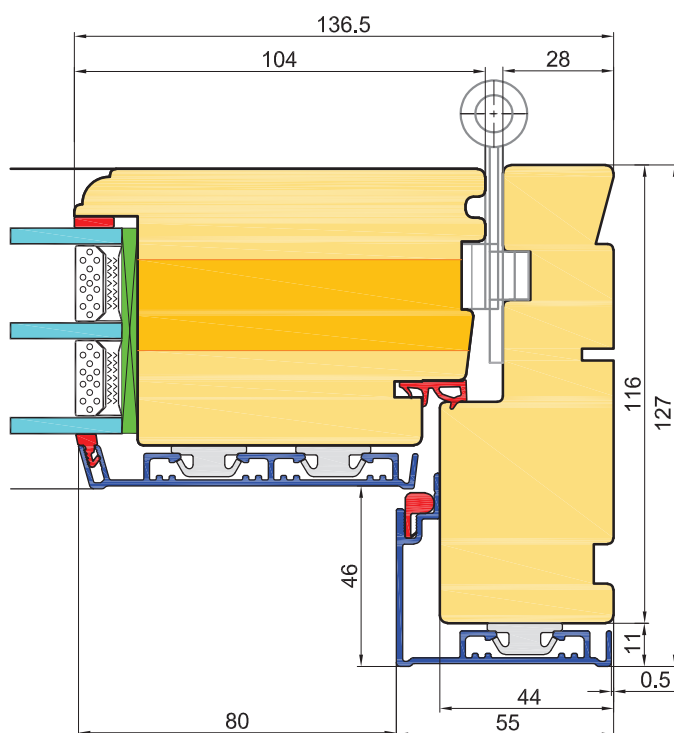
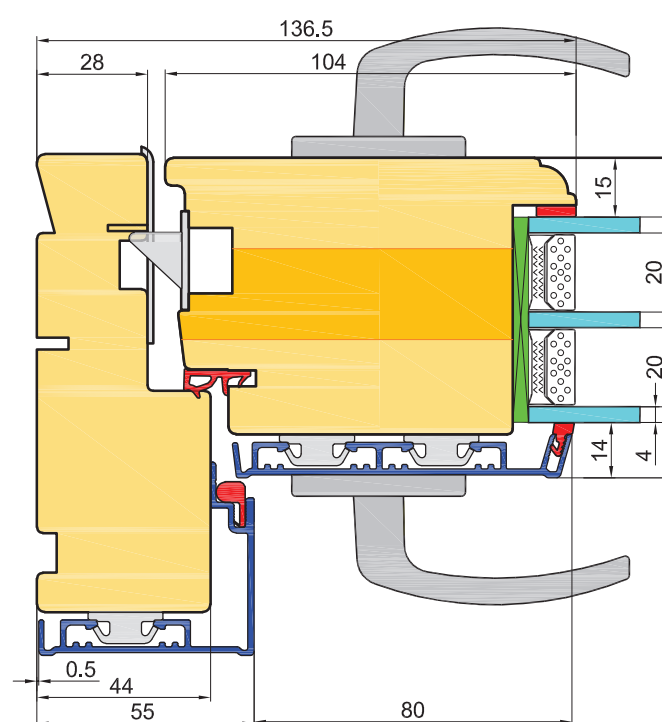
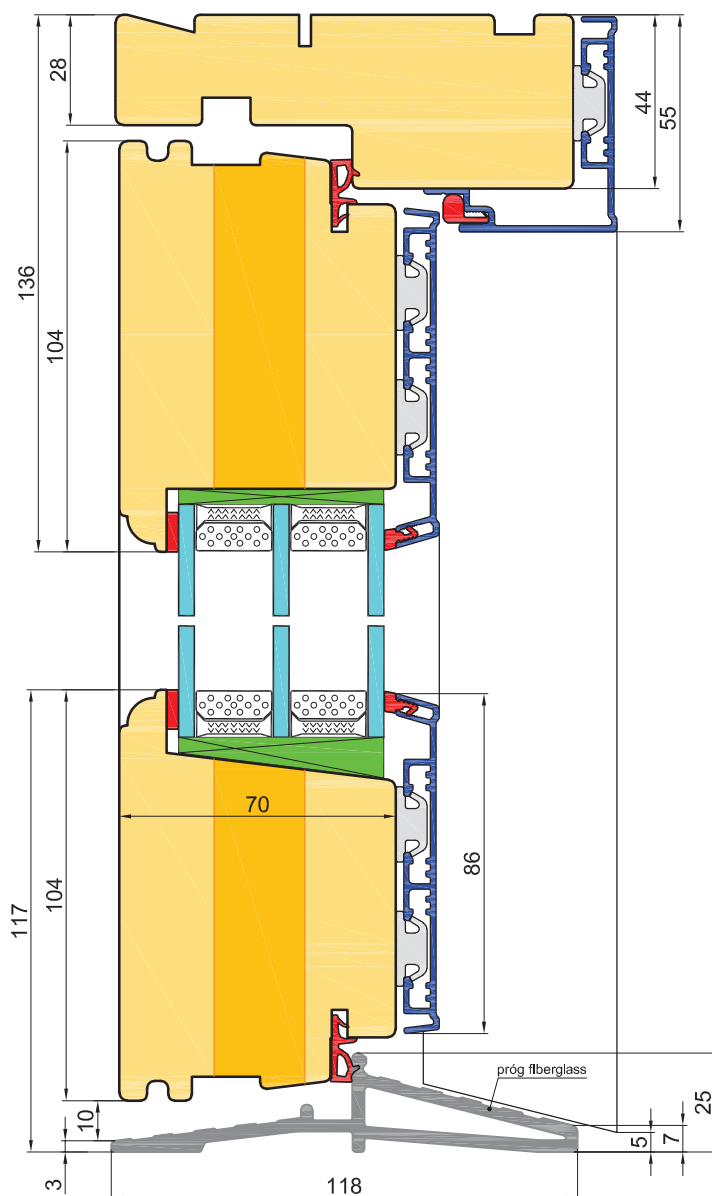
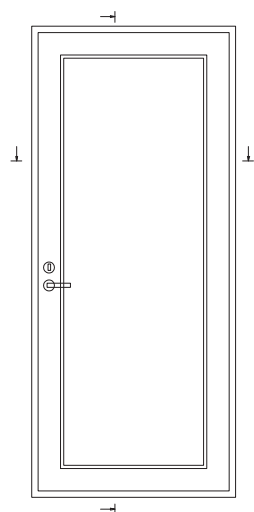


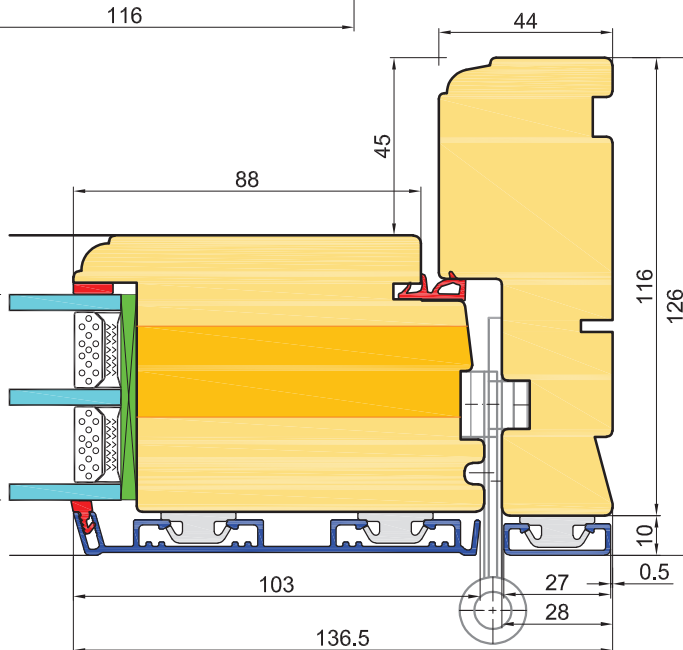
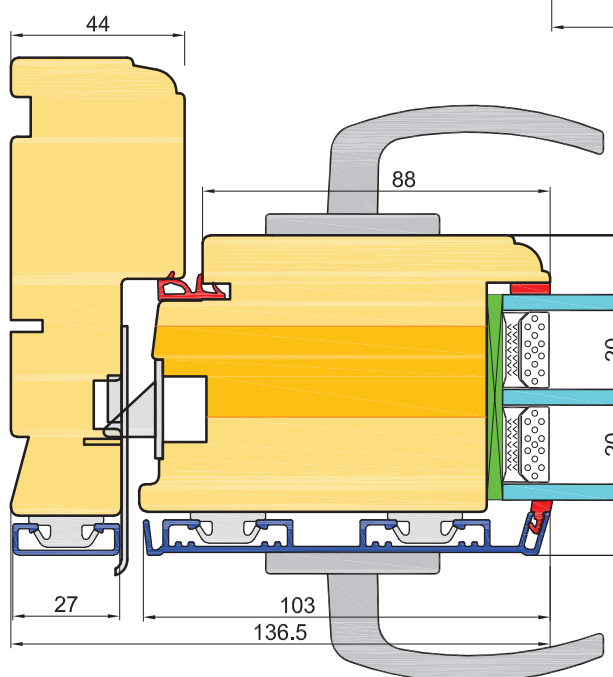
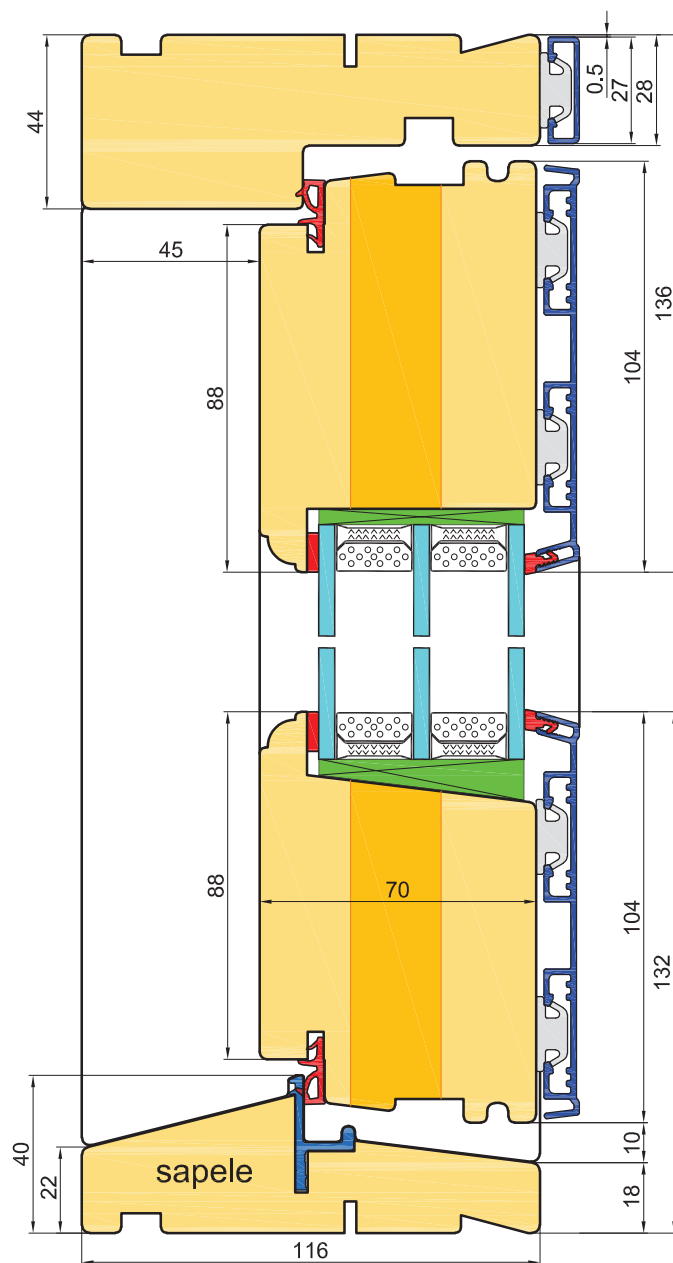
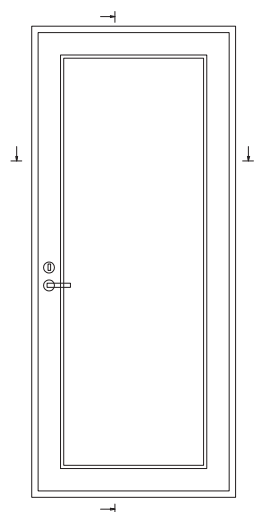
OPTIMA ALU - Profil SOFT - Drzwi otwierane do wewnątrz z witrzyną.

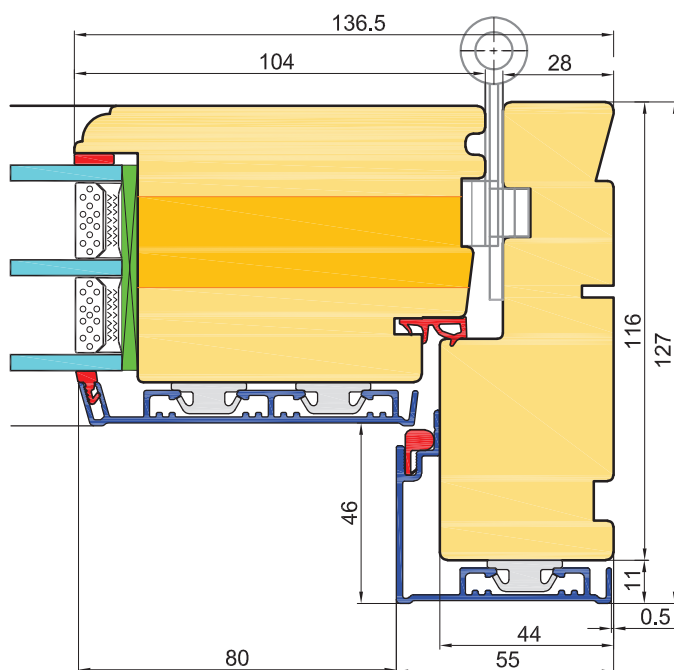
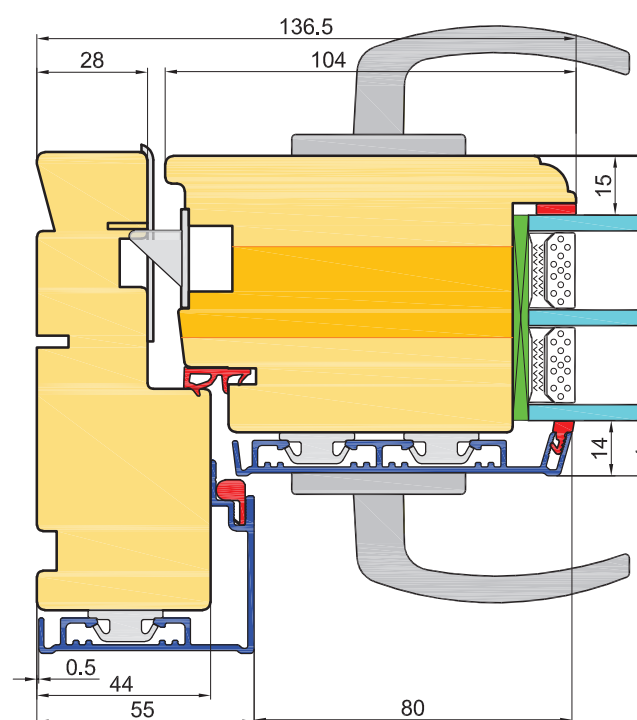
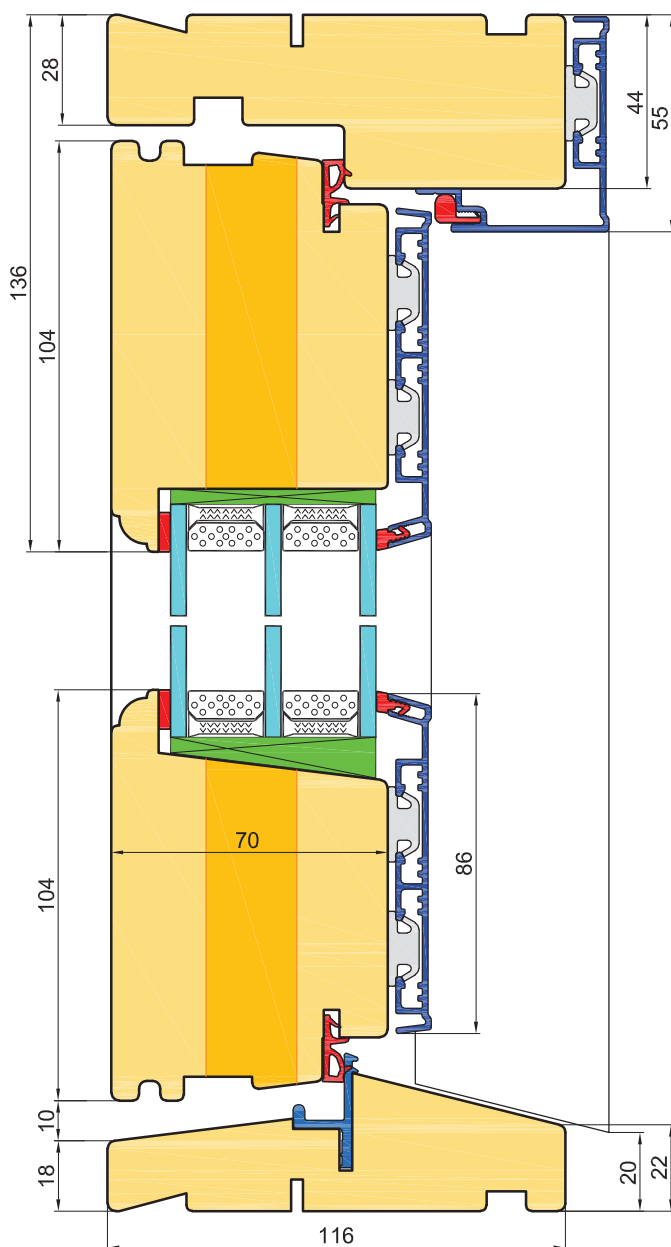
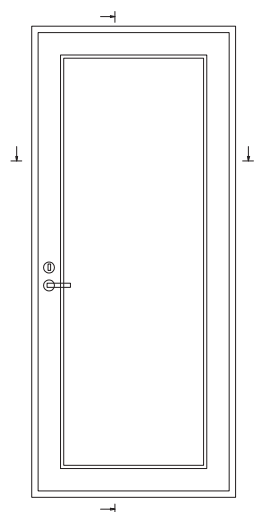


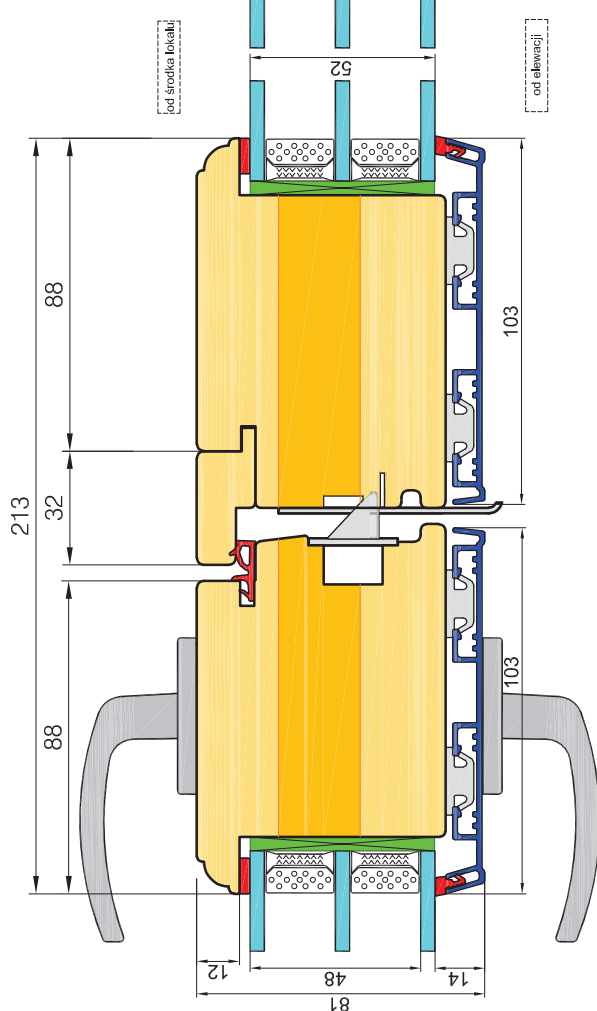
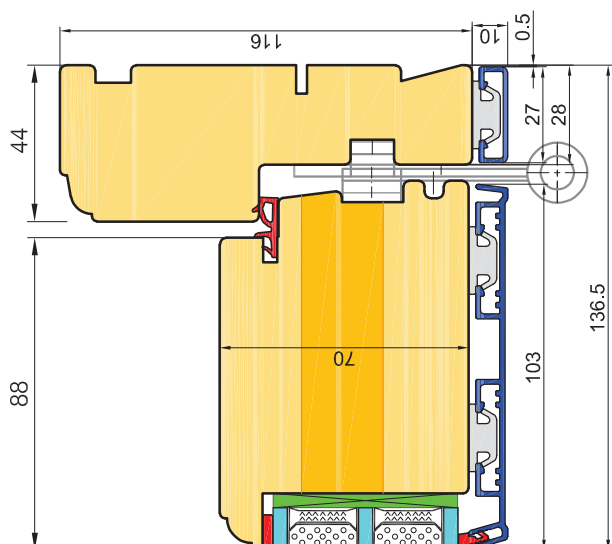
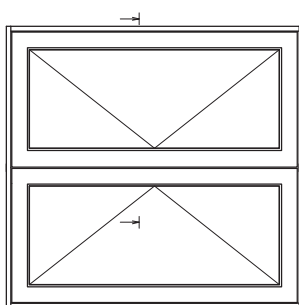
OPTIMA ALU - PROFIL CLASSIC - DRZWI



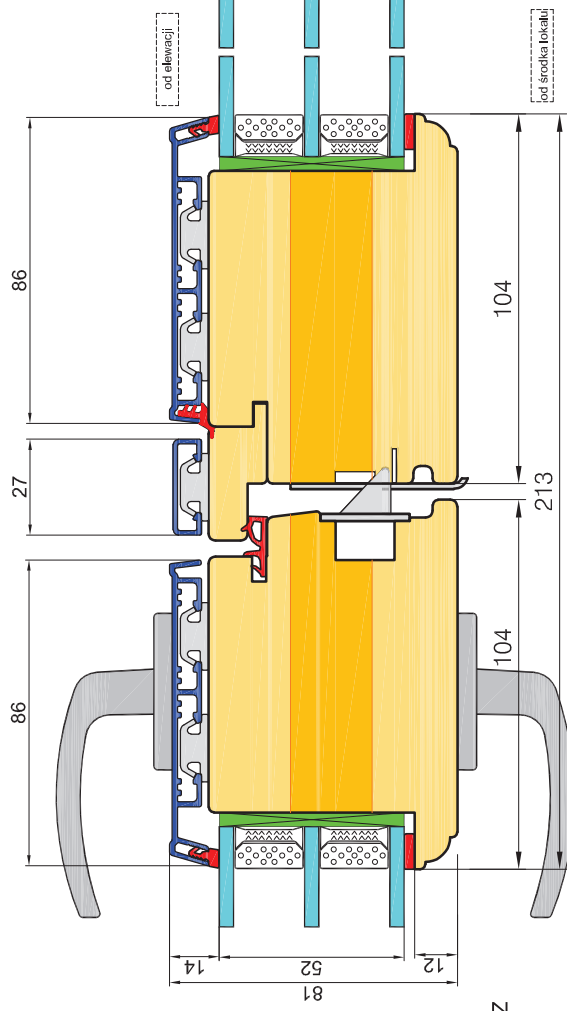
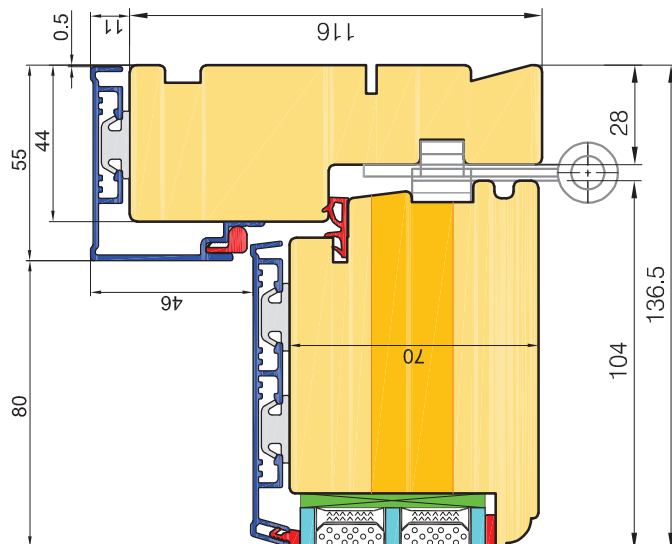








DRZWI OTWIERANE NA ZEWNĄTRZ
- SŁUPEK RUCHOMY



DRZWI OTWIERANE DO WEWNĄTRZ
- SŁUPEK RUCHOMY

