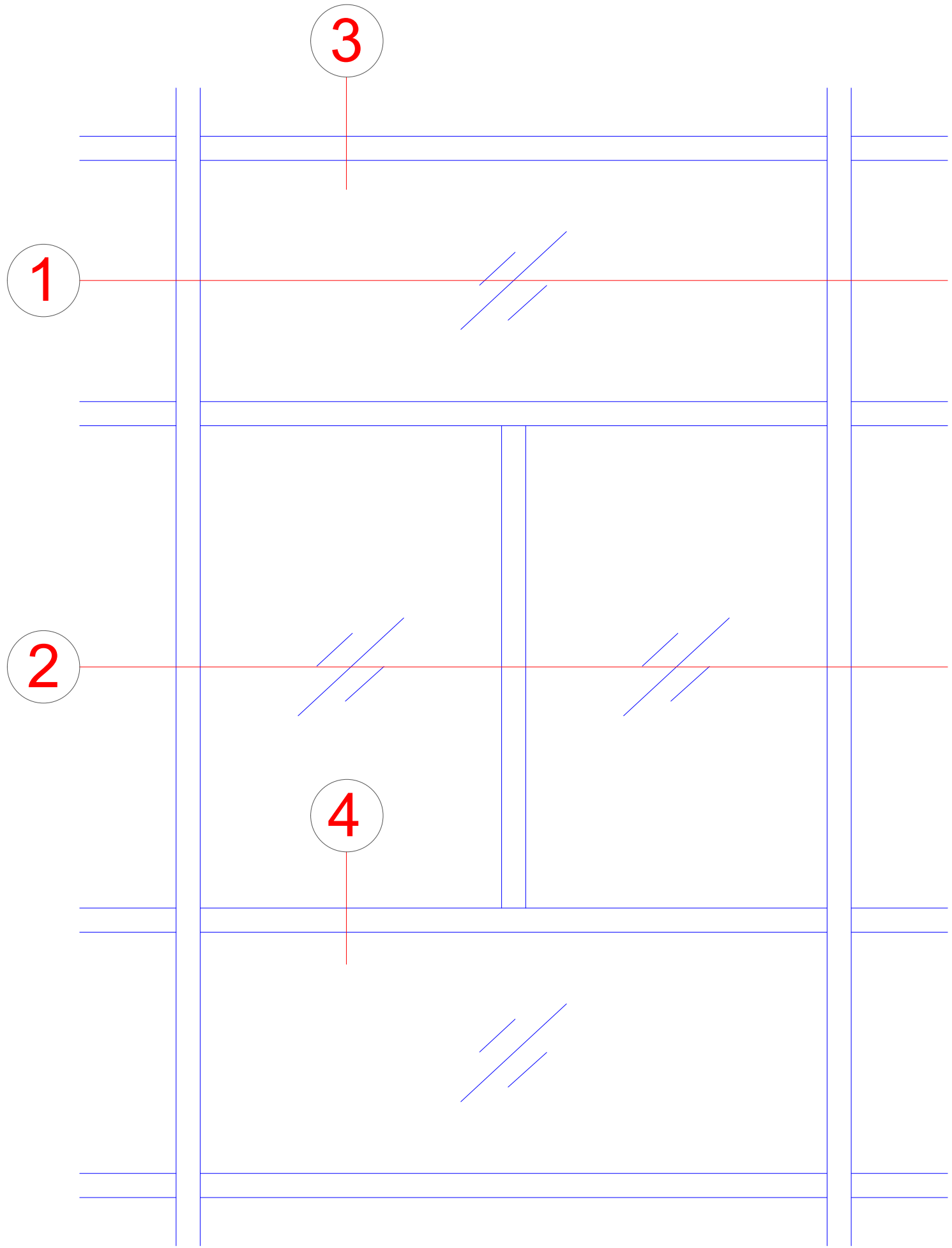
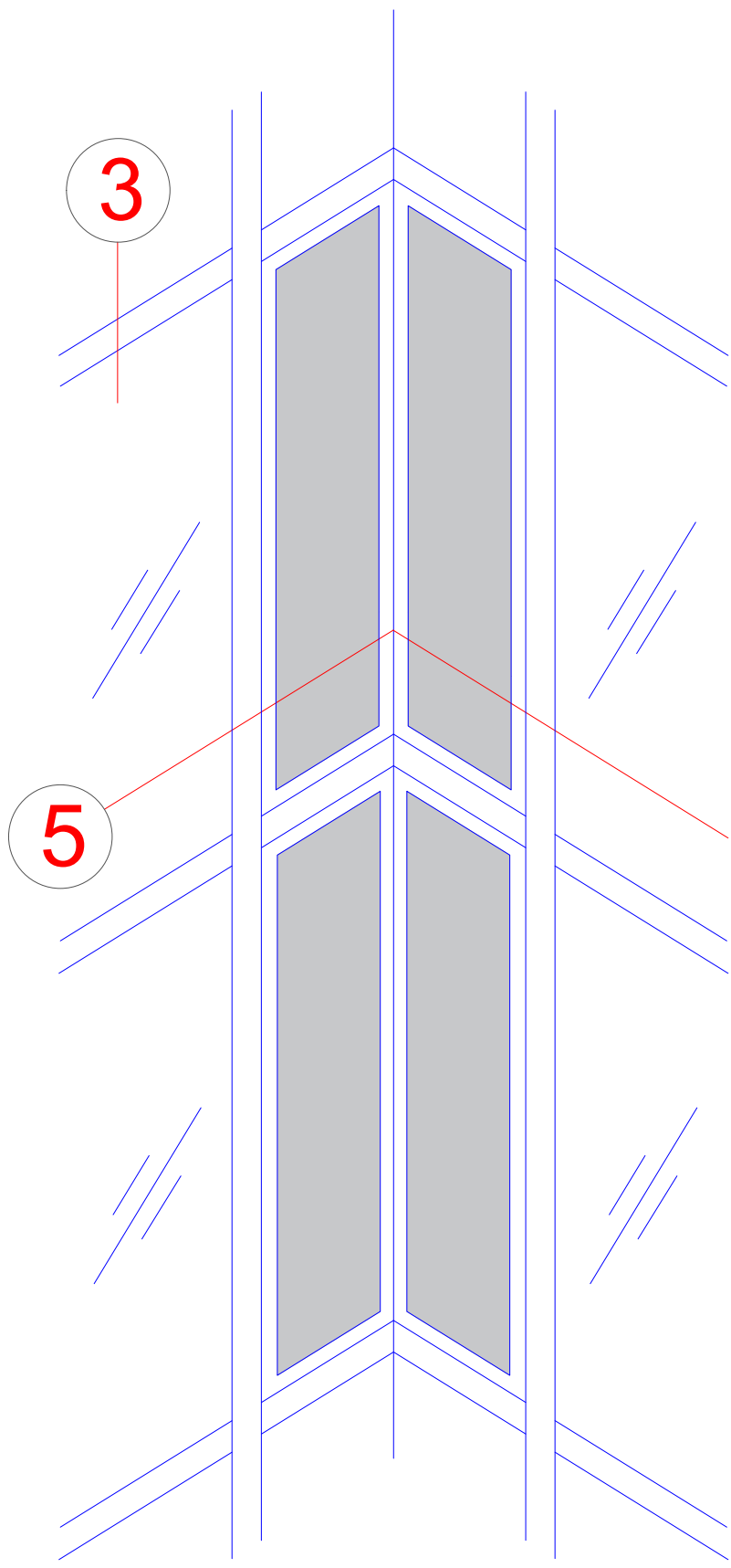


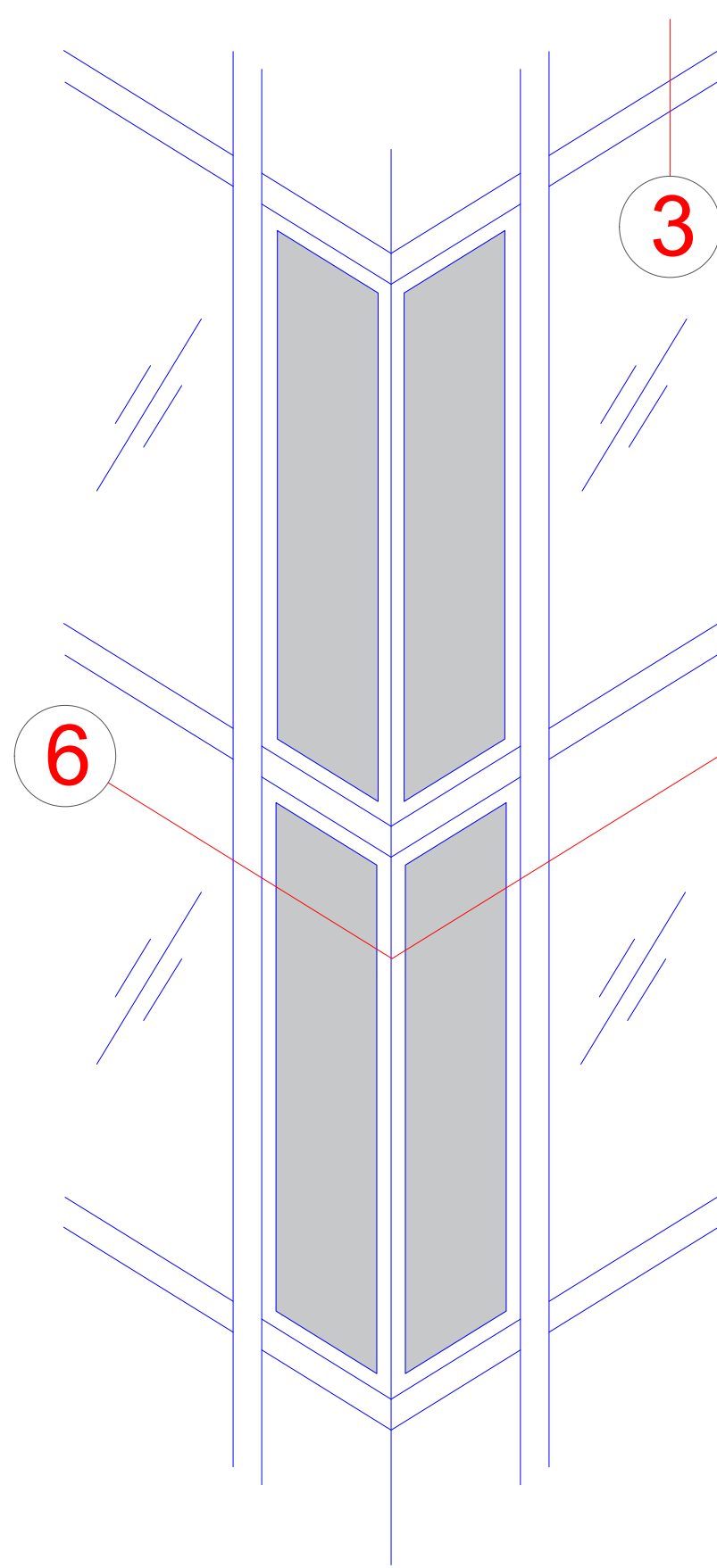
Festverglasung
Fixed glazing



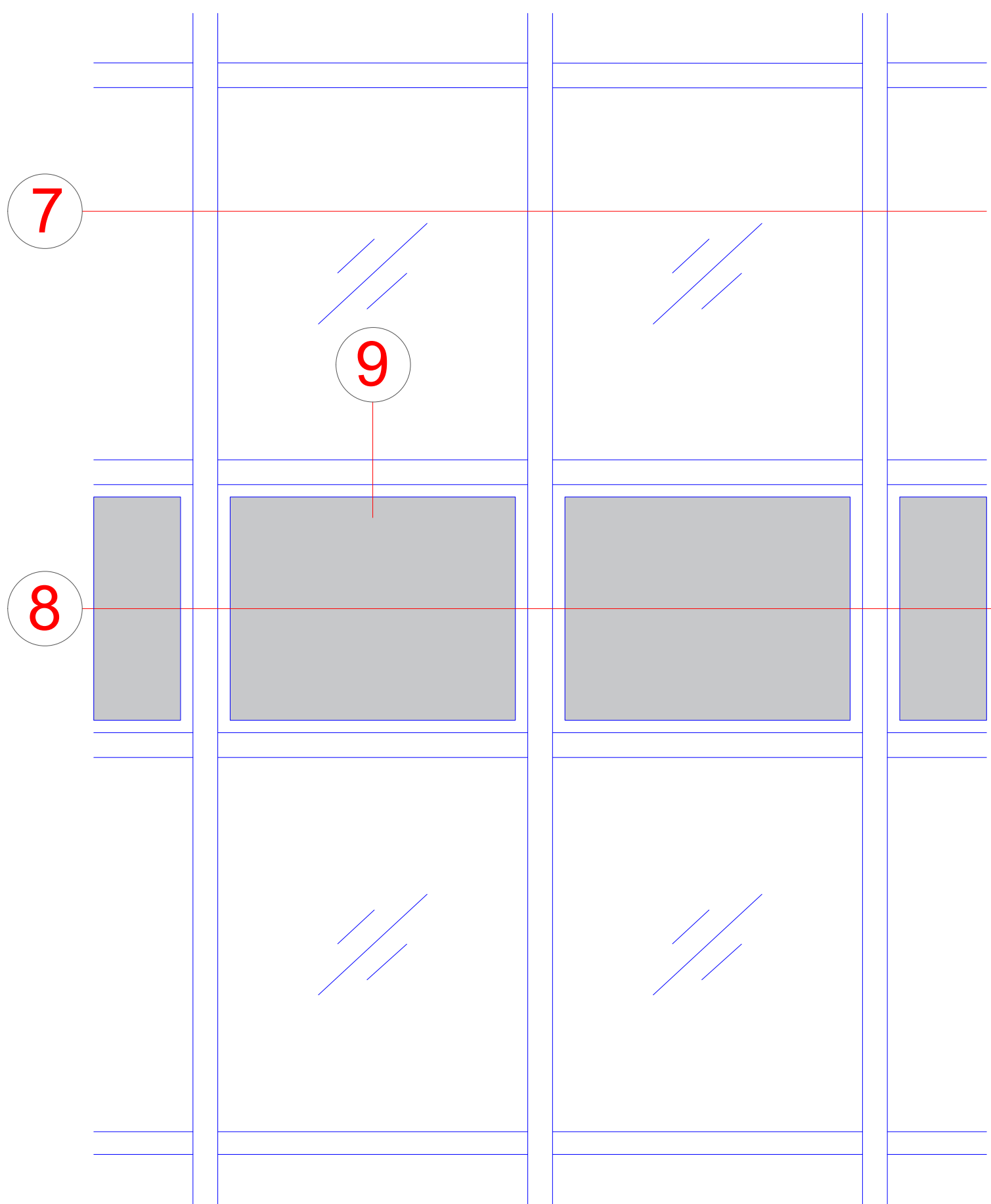
90° Innenecke
90° inner corner



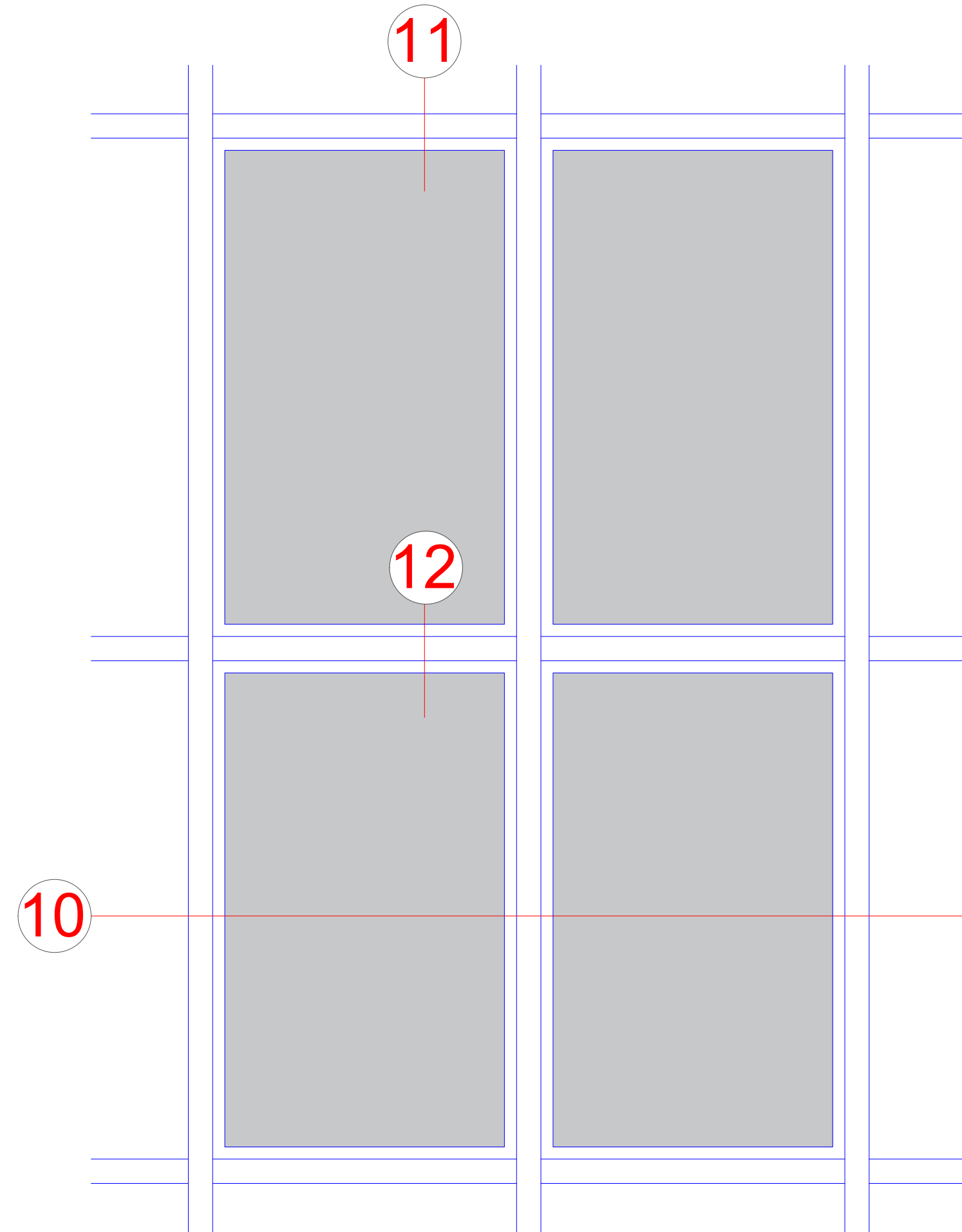
90° Außenecke
90° outer corner



Kaltbrüstung
Ventilated spandrel



Paneel
Panel



Technische Informationen

Technical information

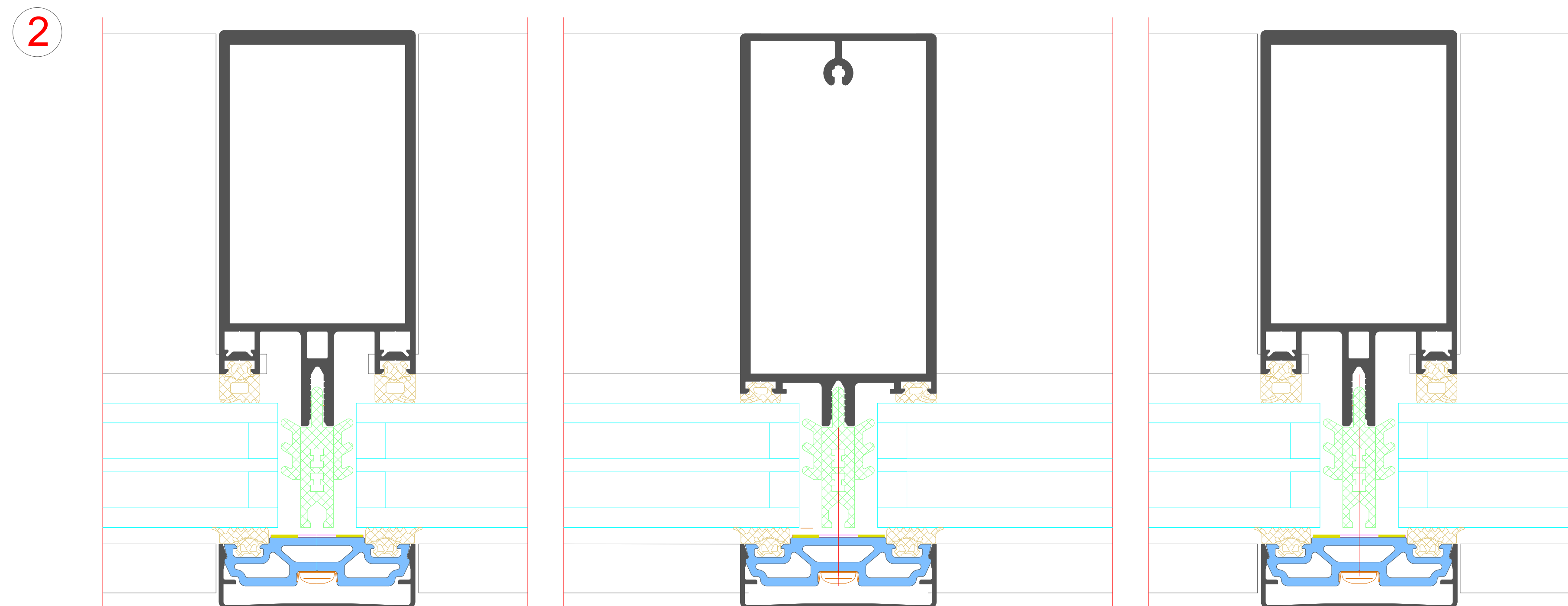
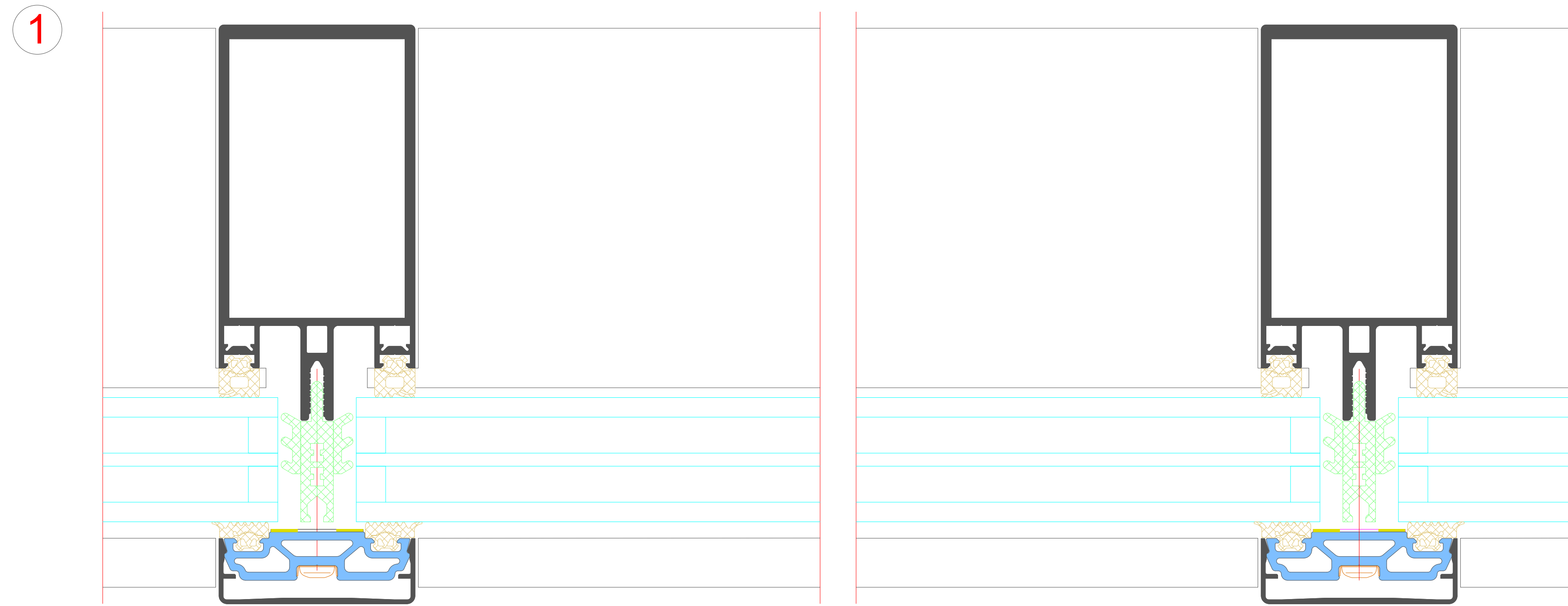
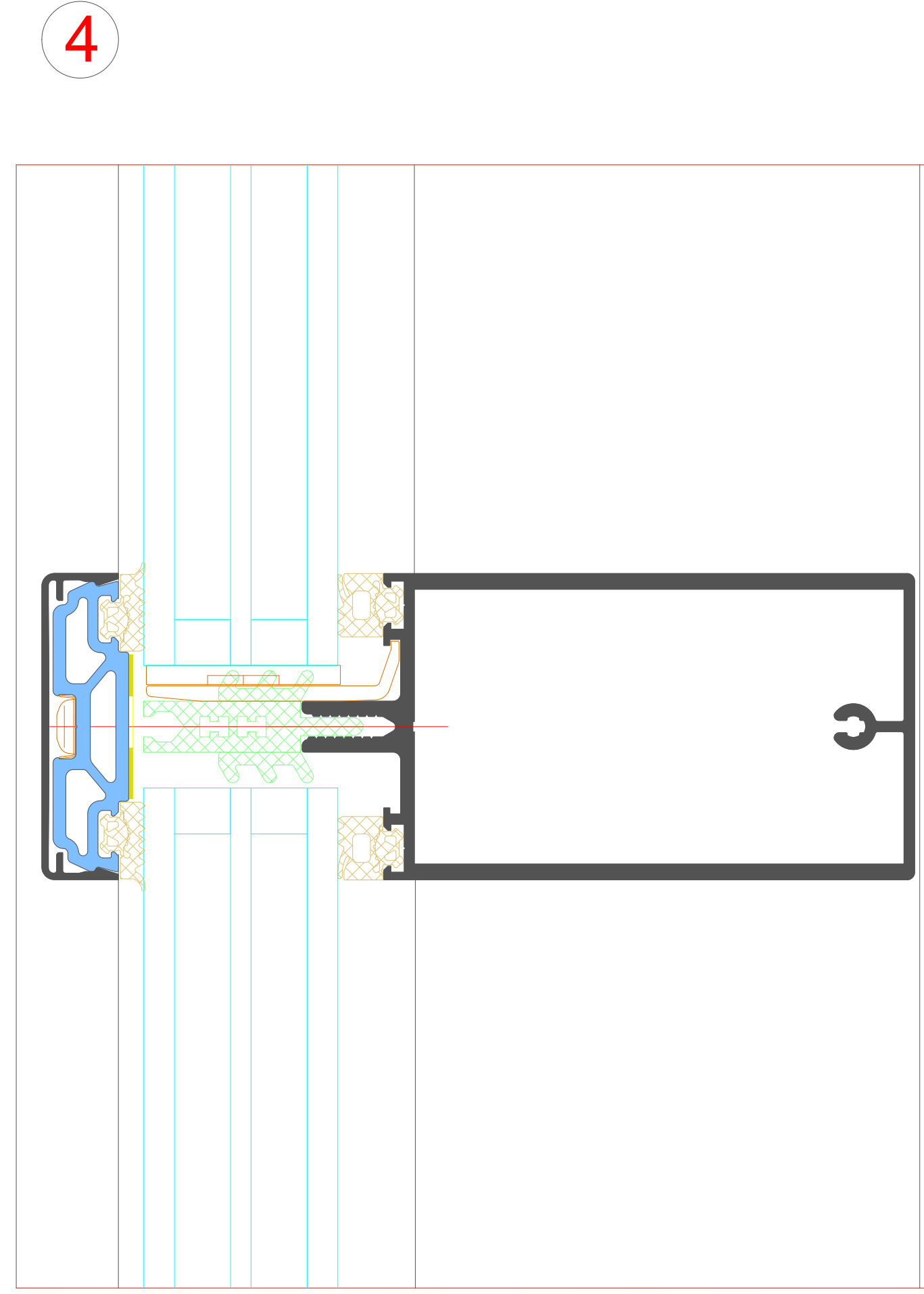
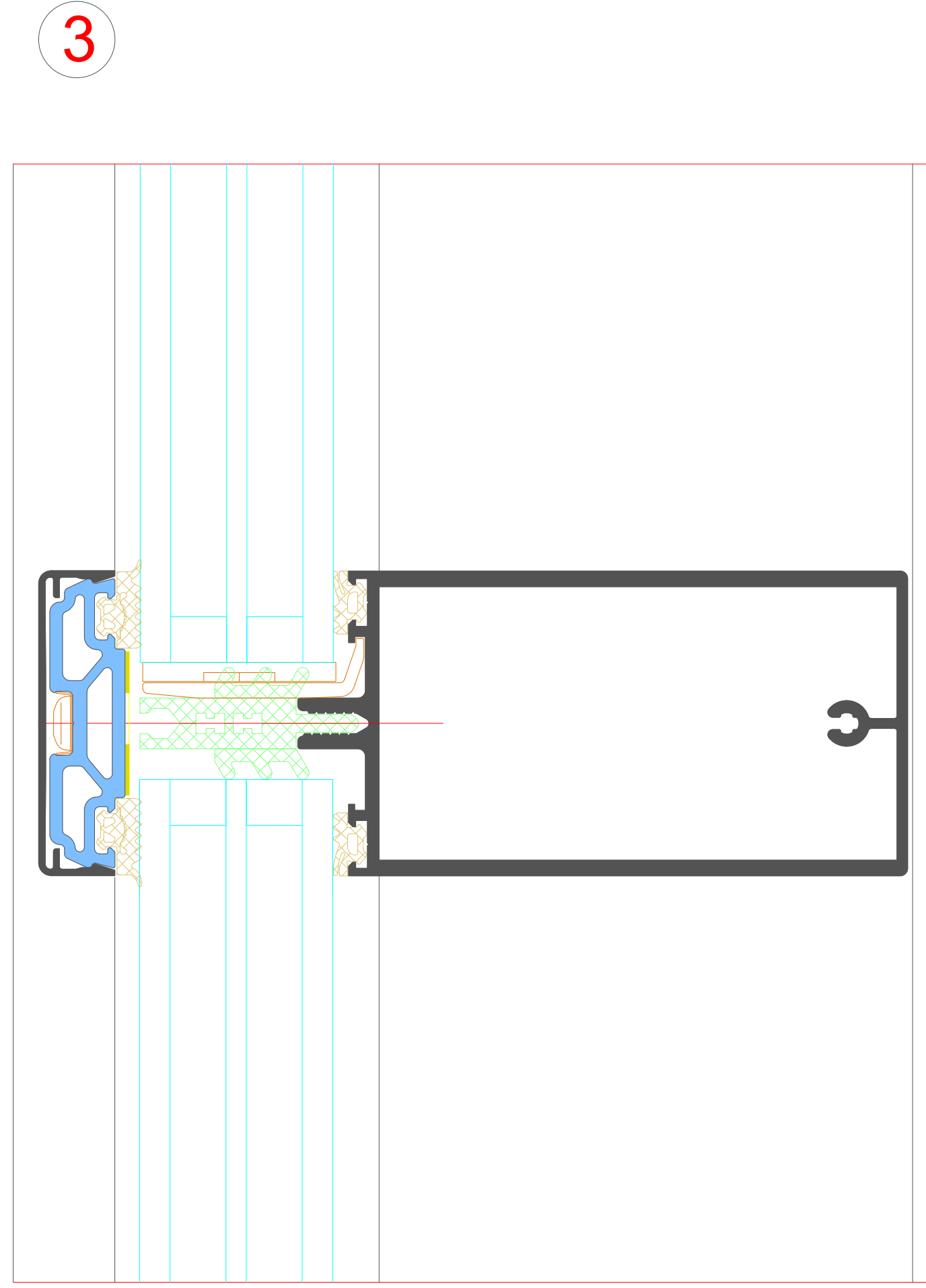
Prüfungen und Normen ***	
Tests and standards	
Wärmedämmung *	Uf = 0,69 -2,6 W/(m²K)
Thermal insulation	
Luftschalldämmung nach EN ISO 717-1 **	bis Rw 48 dB
Airborne sound insulation in accordance with EN ISO 717-1	Up to Rw 48 dB
Einbruchhemmung nach DIN V ENV 1627	Klasse WK3 / RC3
Burglar resistance in accordance with DIN V ENV 1627	Class WK3 / RC3
Luftdurchlässigkeit nach DIN EN 12152	Klasse AE
Air permeability in accordance with DIN EN 12152	Class AE
Schlagregendichtheit nach DIN EN 12155	Klasse RE 1200
Watertightness in accordance with DIN EN 12155	Class RE 1200
Windlastwiderstand nach EN 12179	2,0 - 3,0 KN/m²
Wind load resistance in accordance with EN 12179	
Stoßfestigkeit DIN EN 14019, Belastung von innen / außen	Klasse I5 / E5
Impact resistance DIN EN 14019, load from inside / outside	Class I5 / E5

* Bewertung/Berechnung der Wärmedurchgangskoeffizienten Ucw eines Vorhangfassadenelements ist gemäß prEN 13947 durchzuführen.
Assessment/calculation of the Ucw thermal transmittance of a curtain wall unit must be carried out in accordance with prEN 13947.

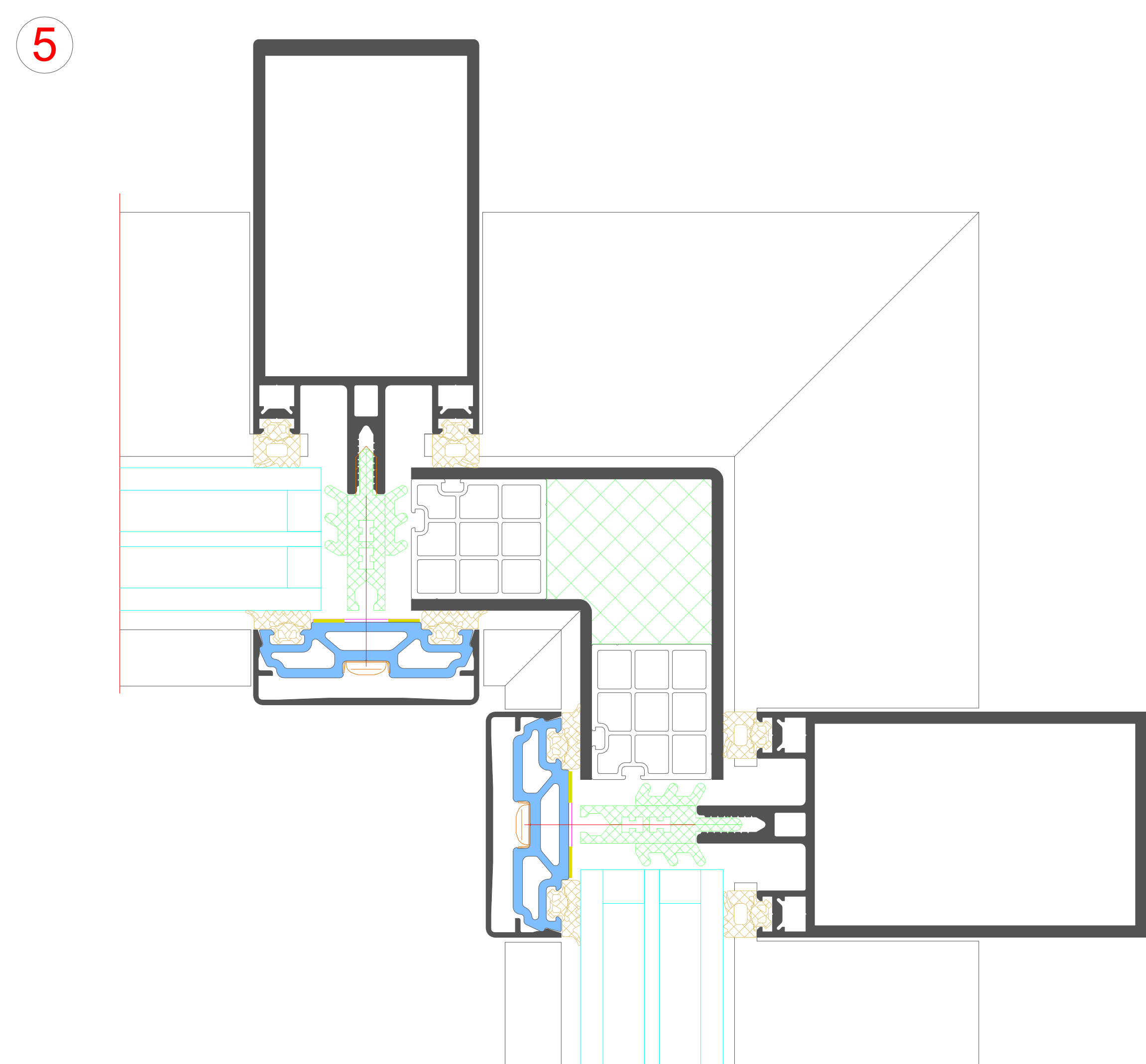
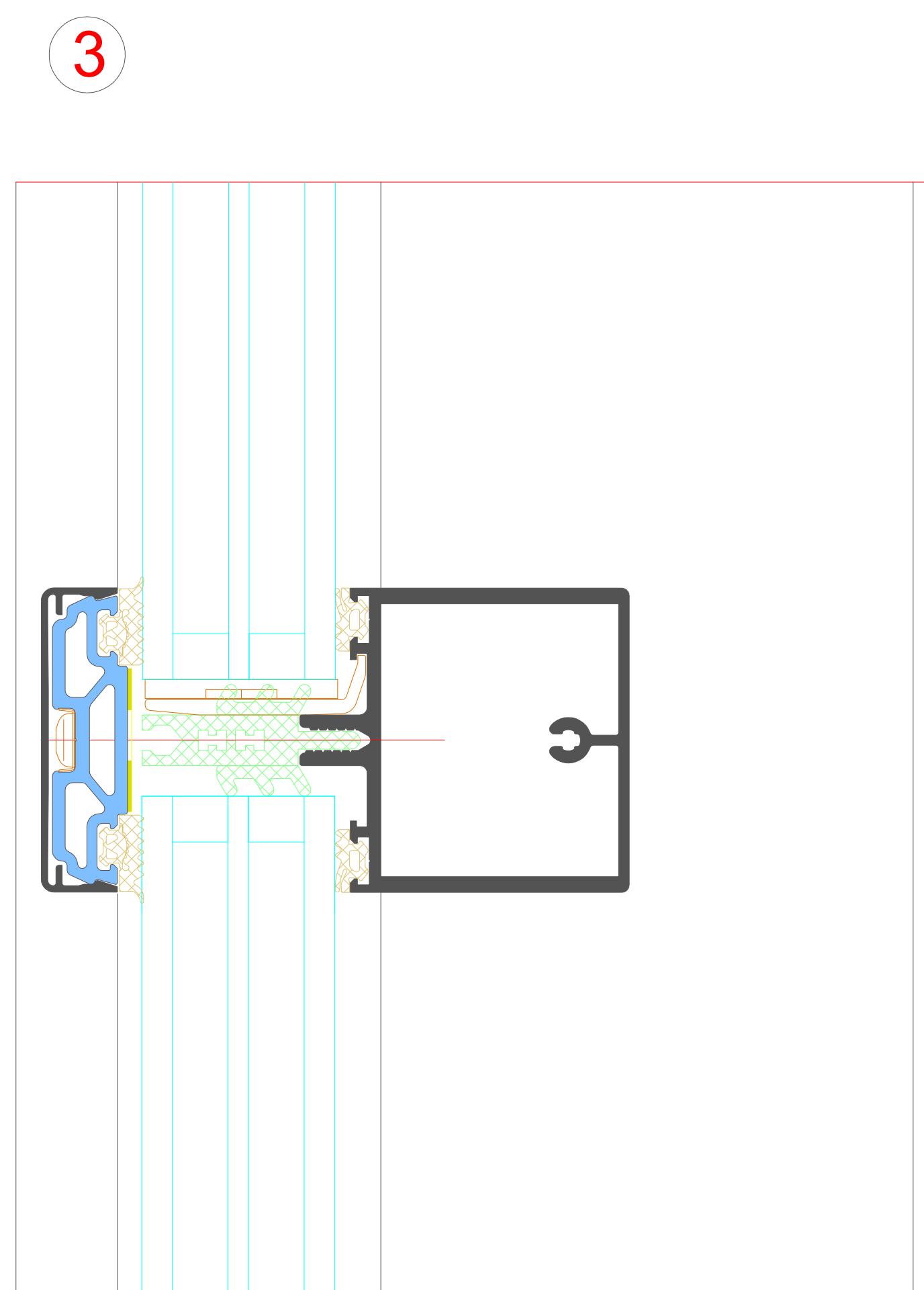
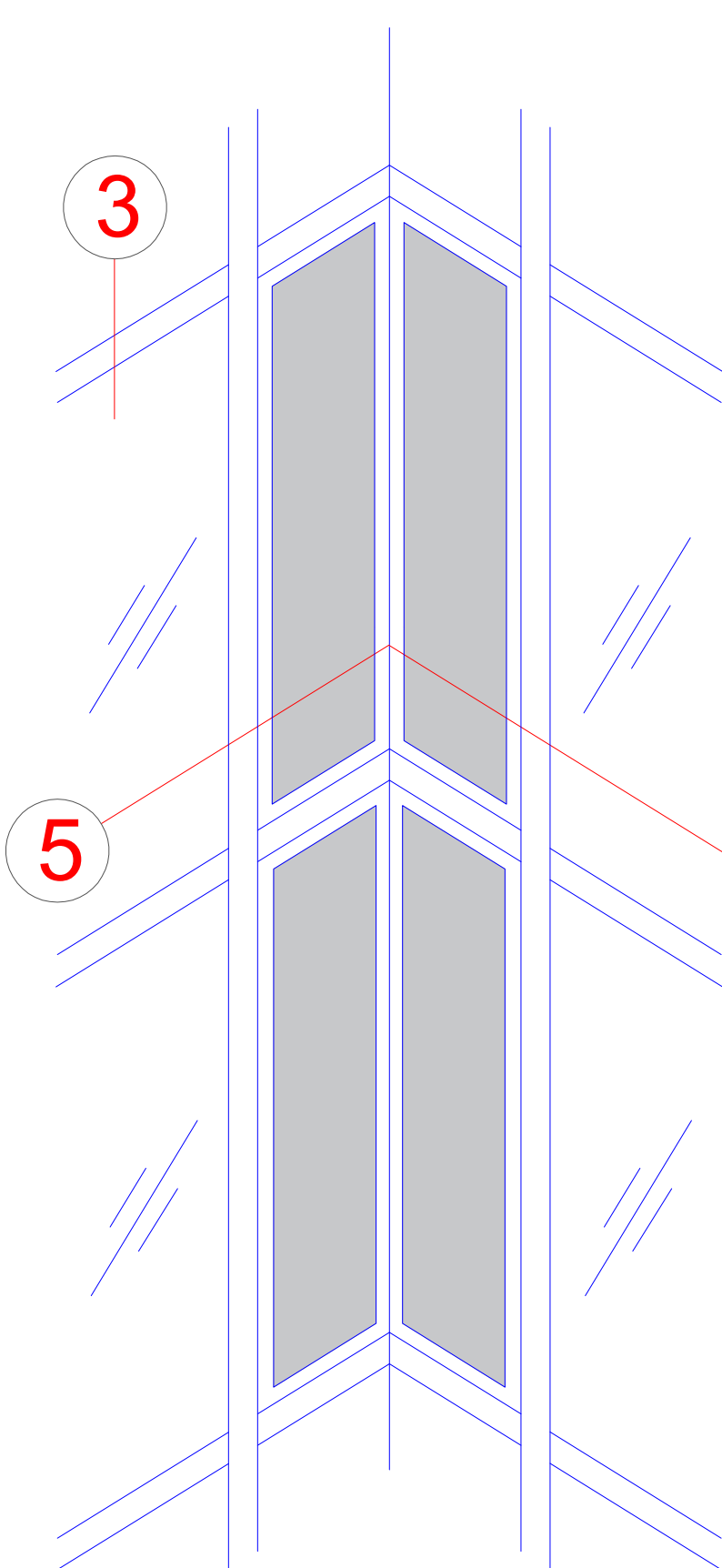
** Objektbezogener Nachweis - wenn erforderlich
Project-specific certification – if necessary

*** Die Angaben beschreiben die Bestwerte des Gesamtsystems.
Die Eigenschaften einer jeweils gewählten Ausführungsvariante oder Elementkombination sind im Einzelfall anhand der ausführlichen Prüfdokumentation zu bestimmen.
The information describes the optimum values of the entire system.
The properties of a selected design option or unit combination have to be determined individually based on the comprehensive test documentation.

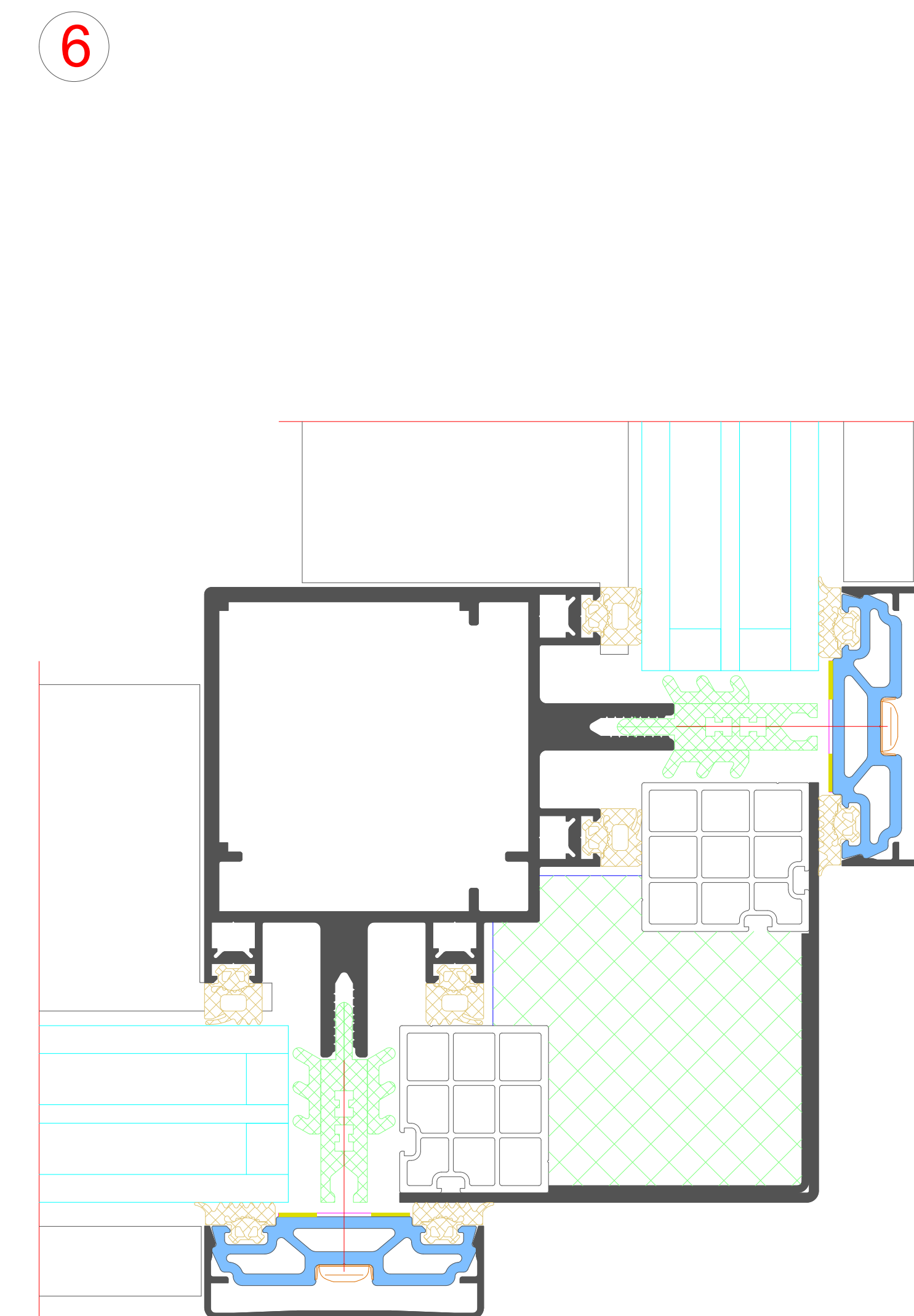
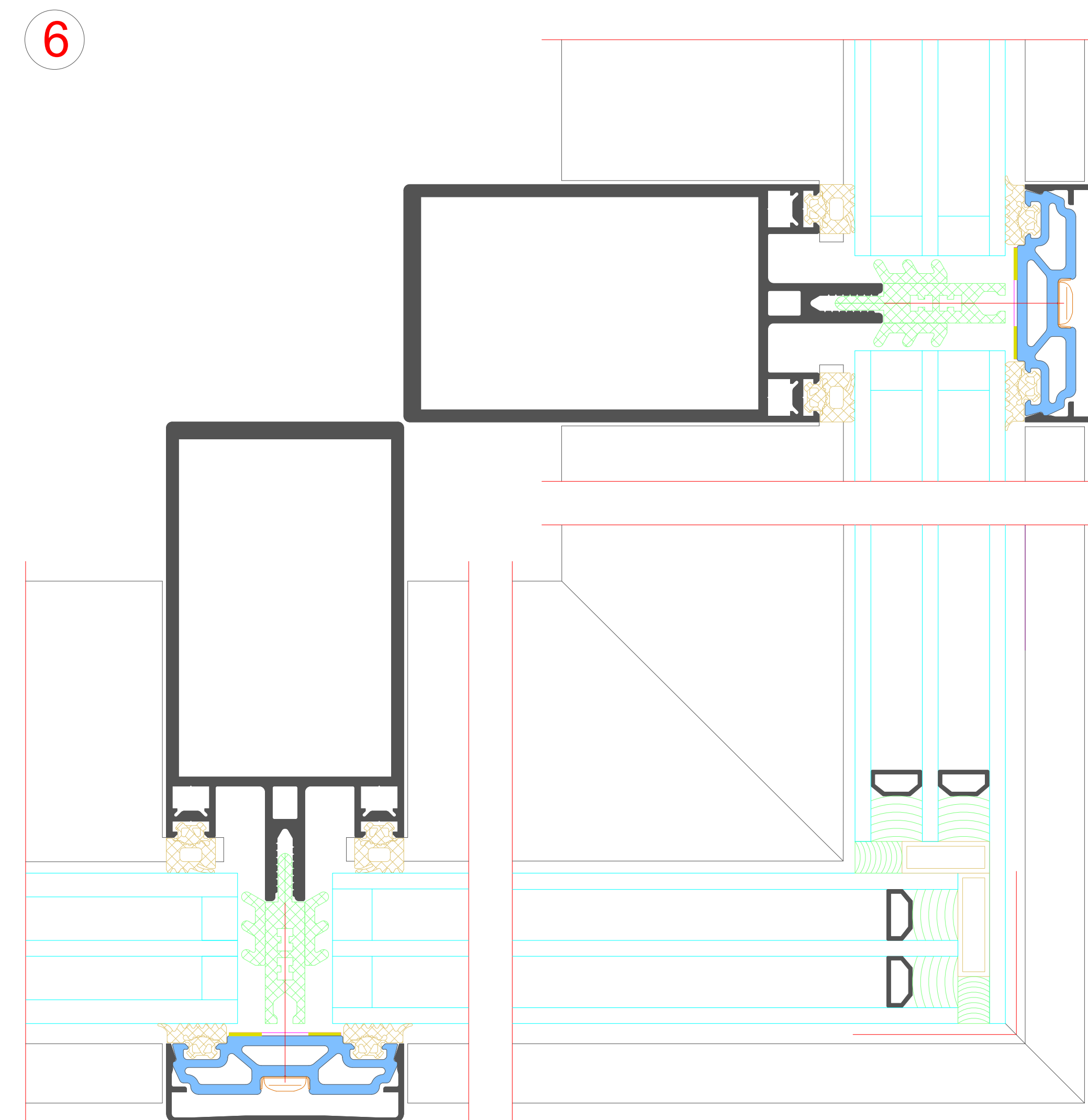
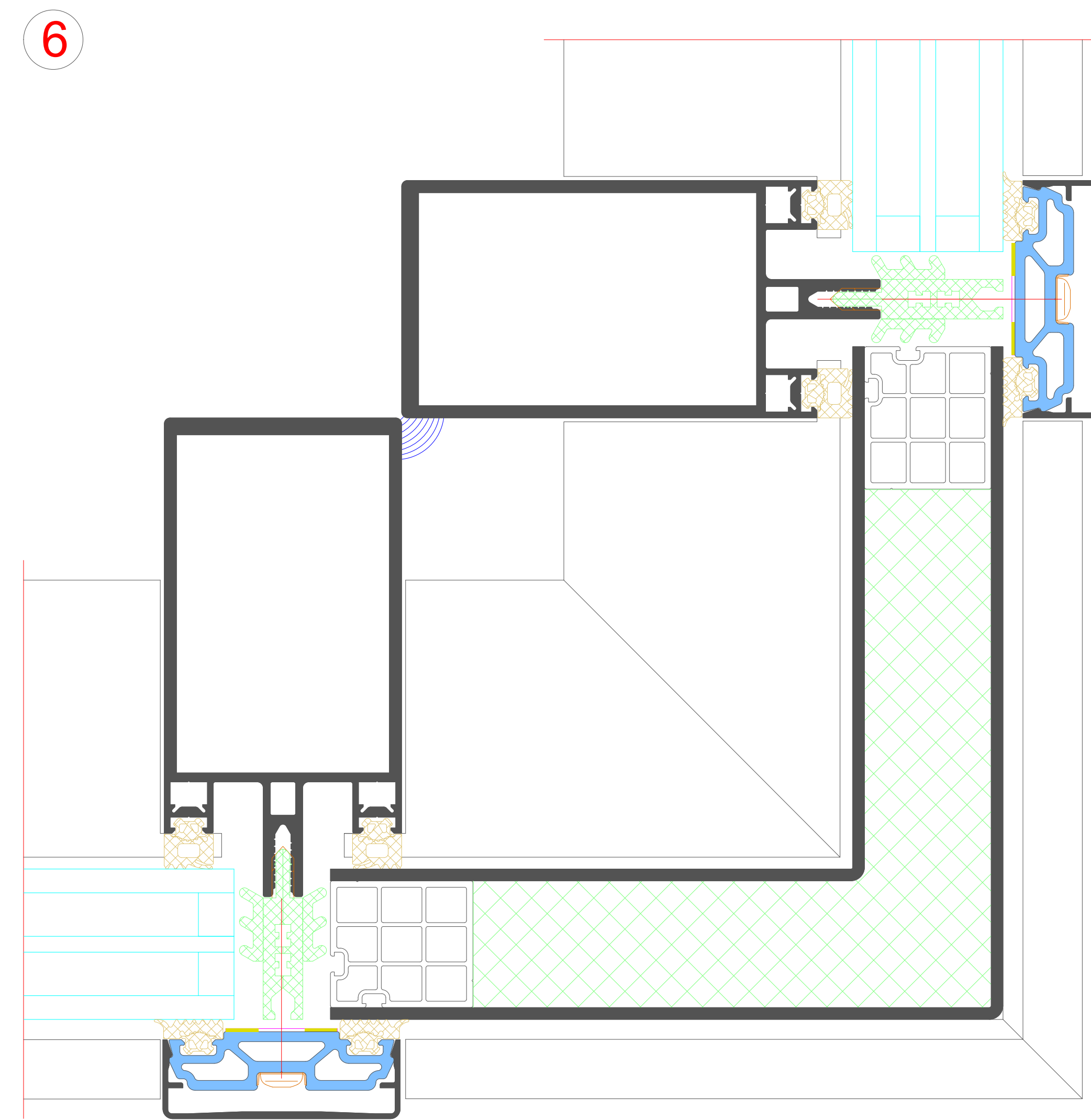
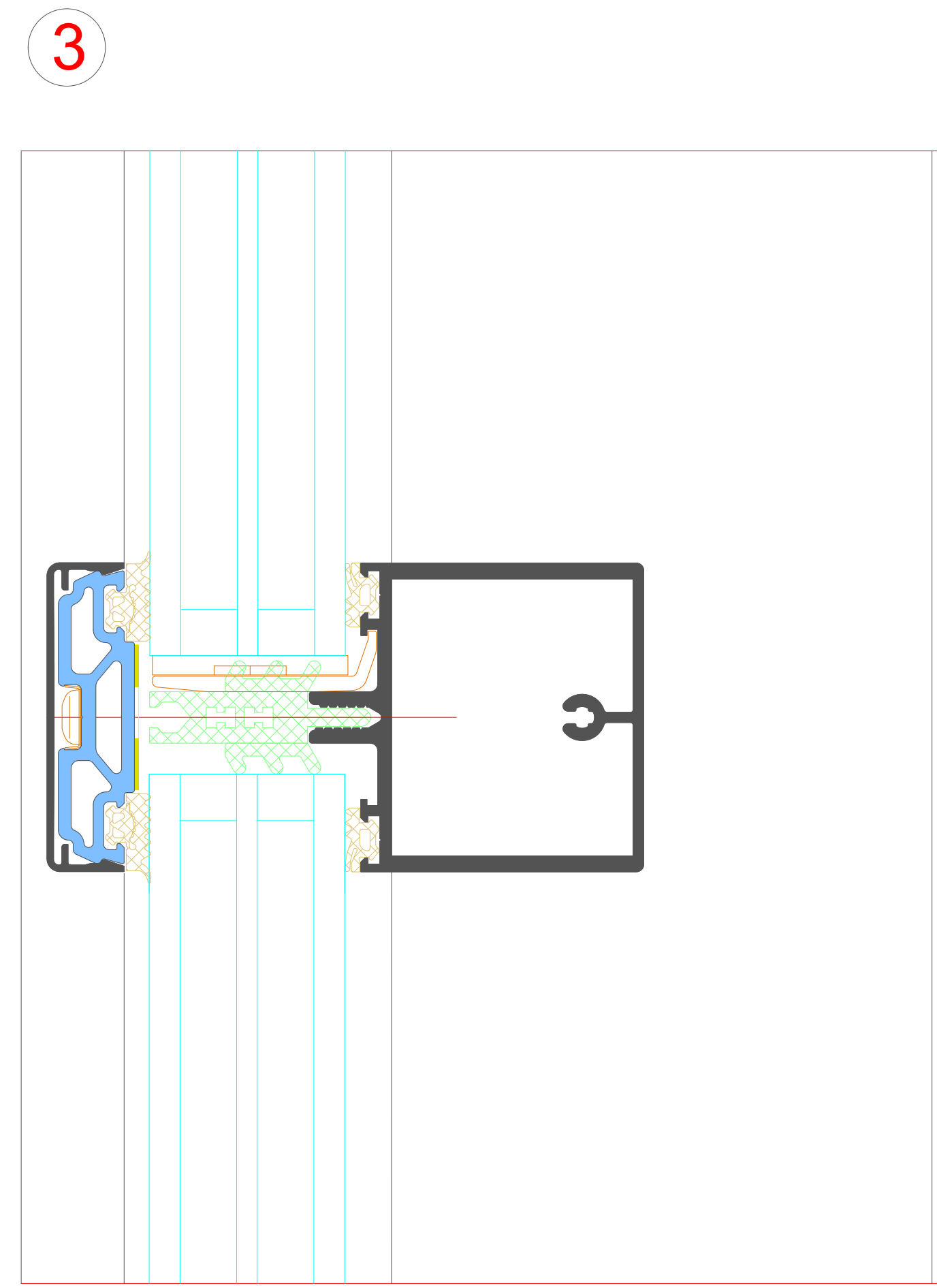
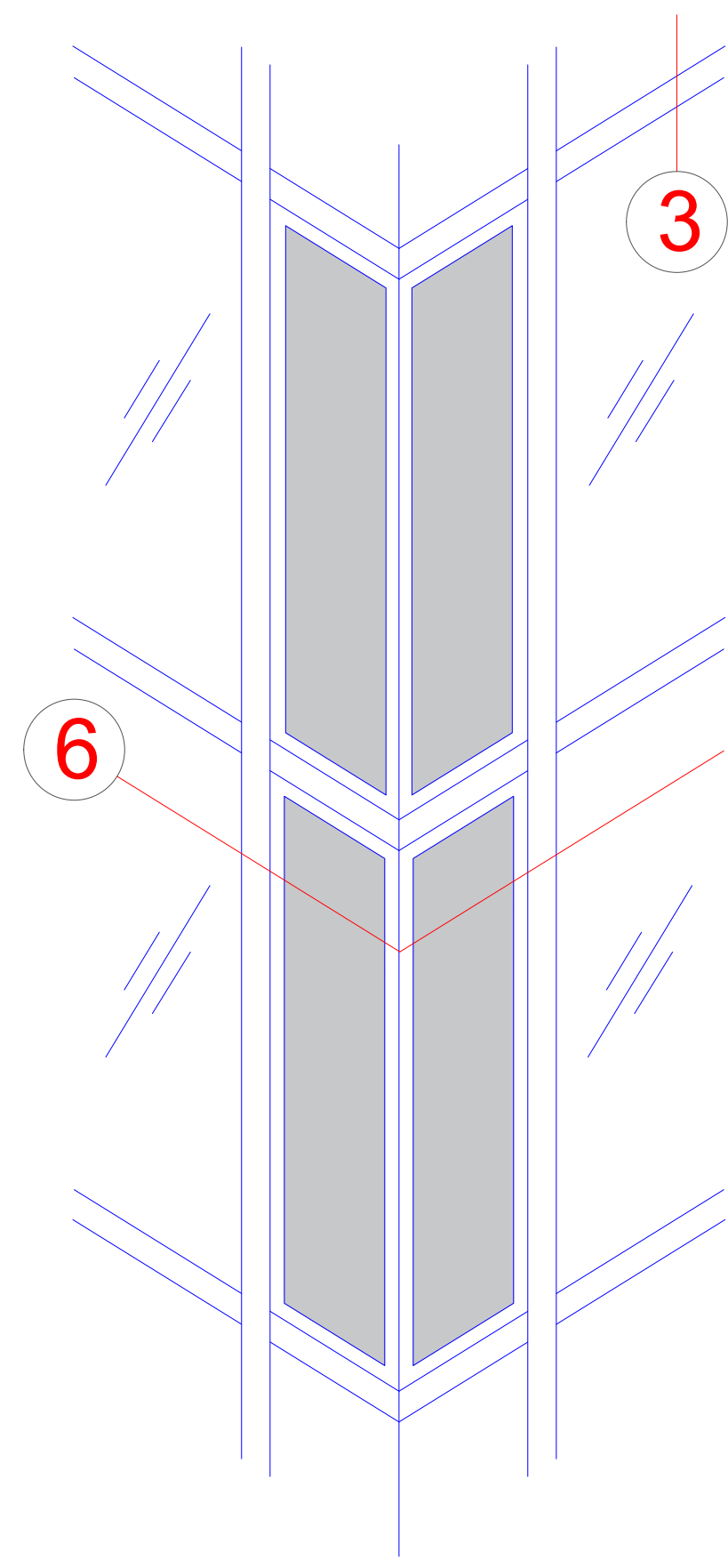
Fixed glazing

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90° Innenecke
90° inner corner

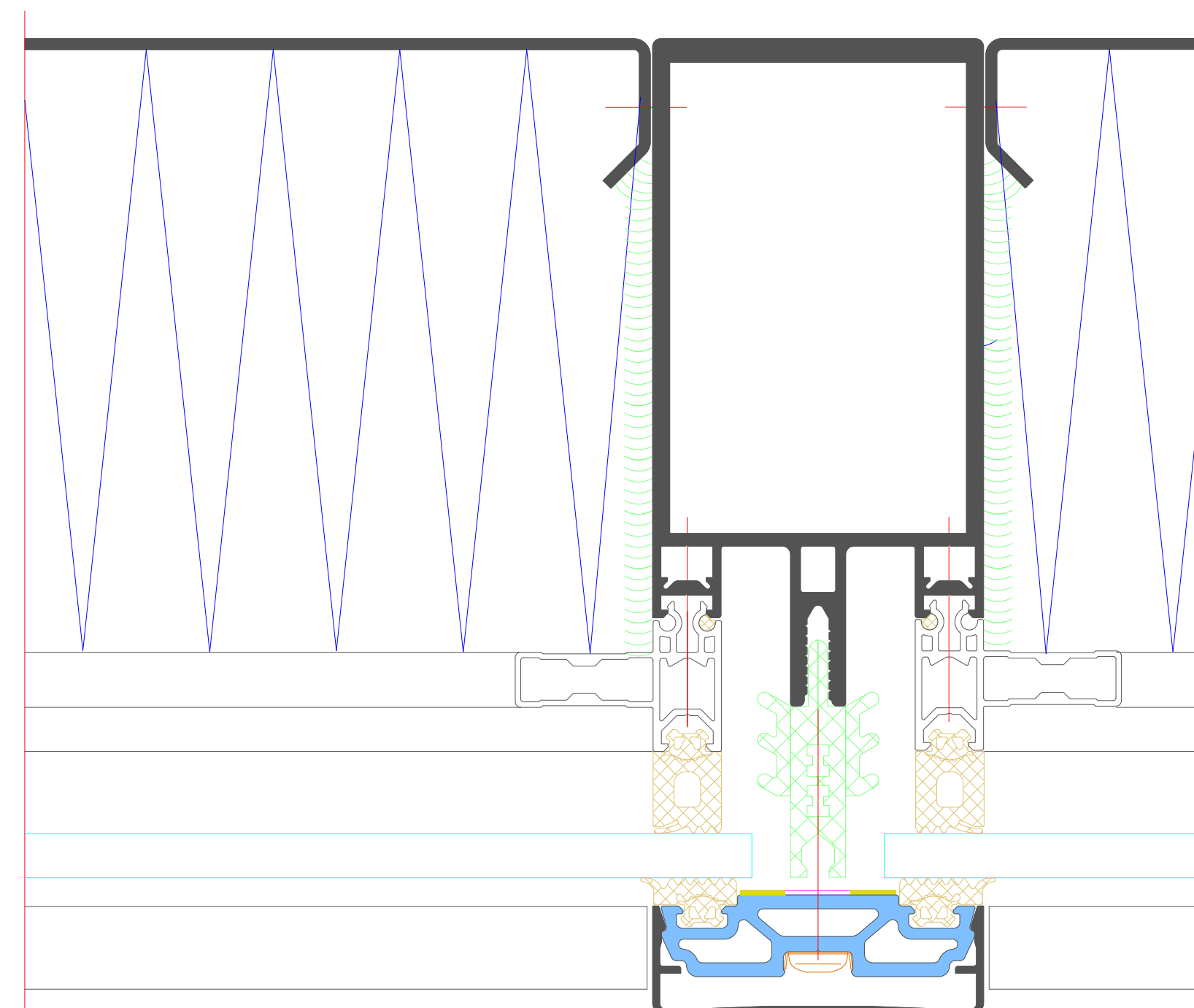
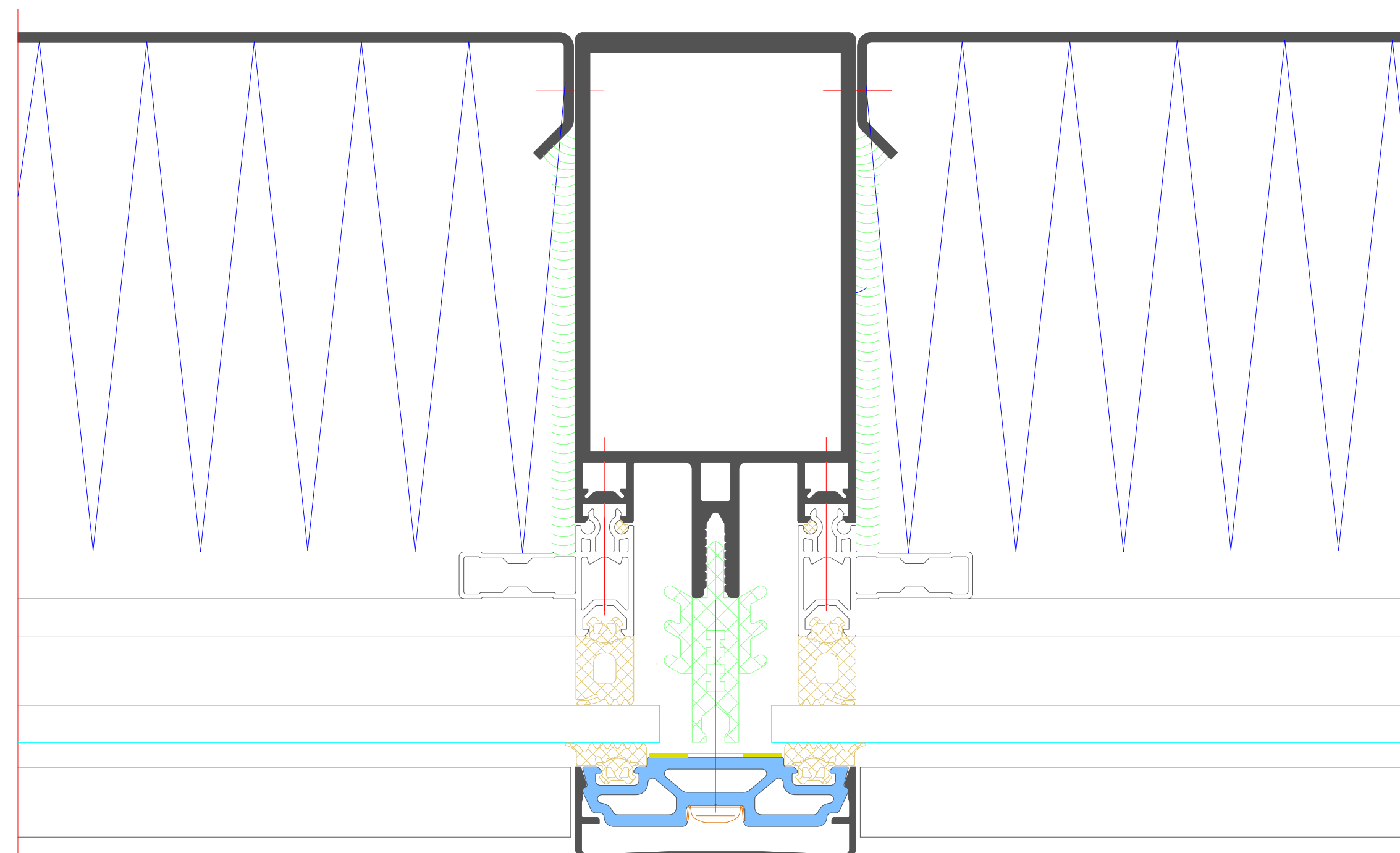
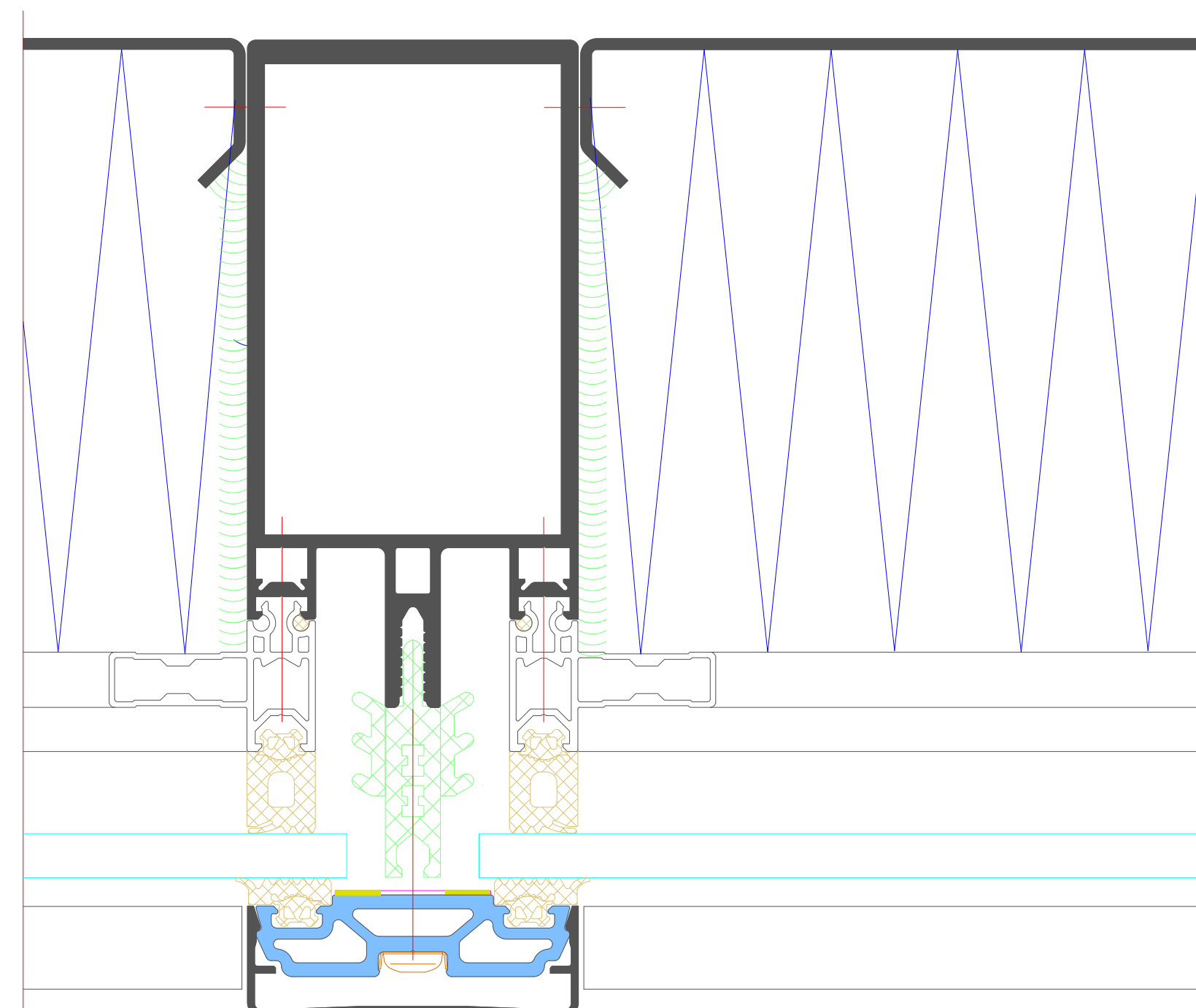
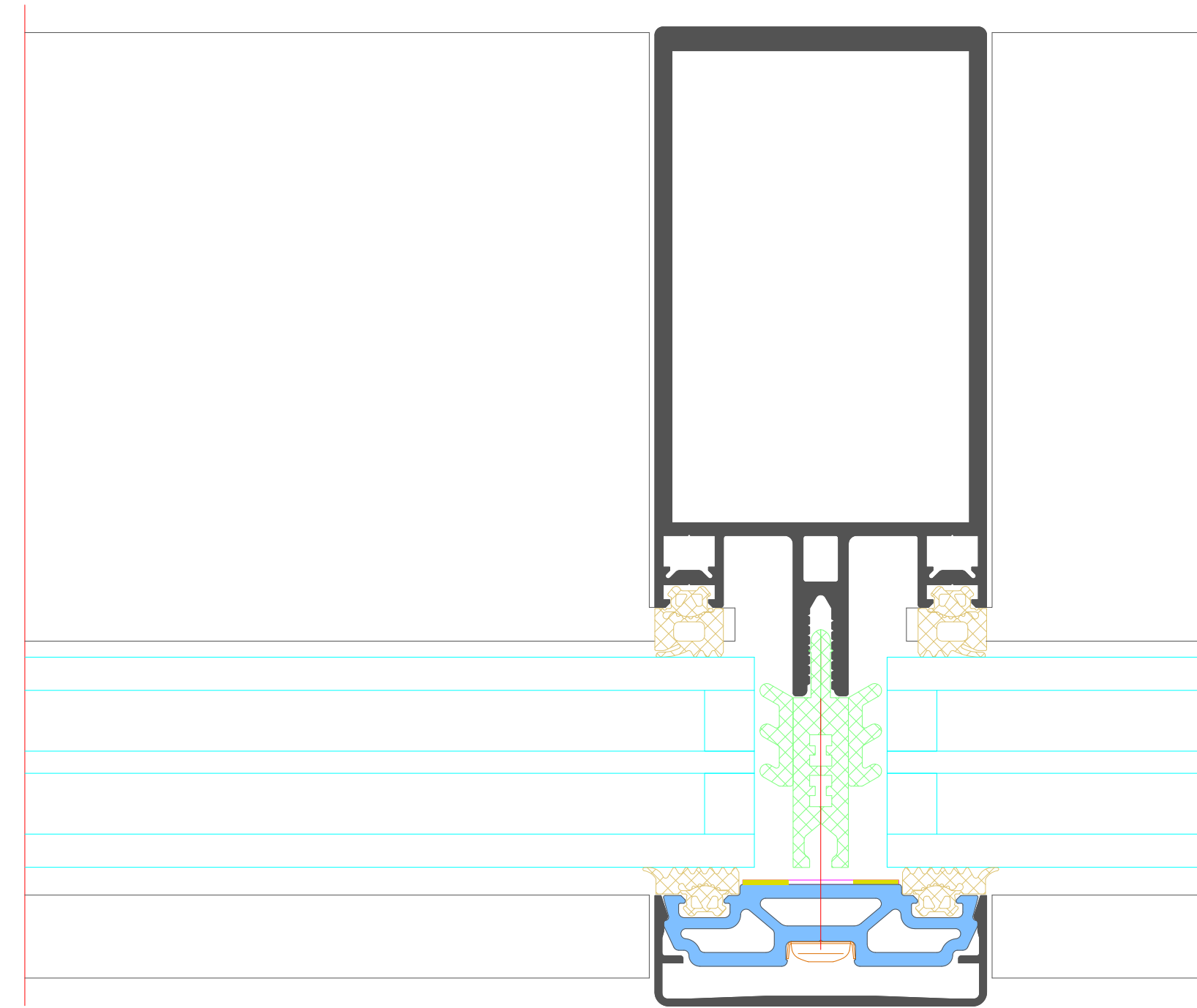
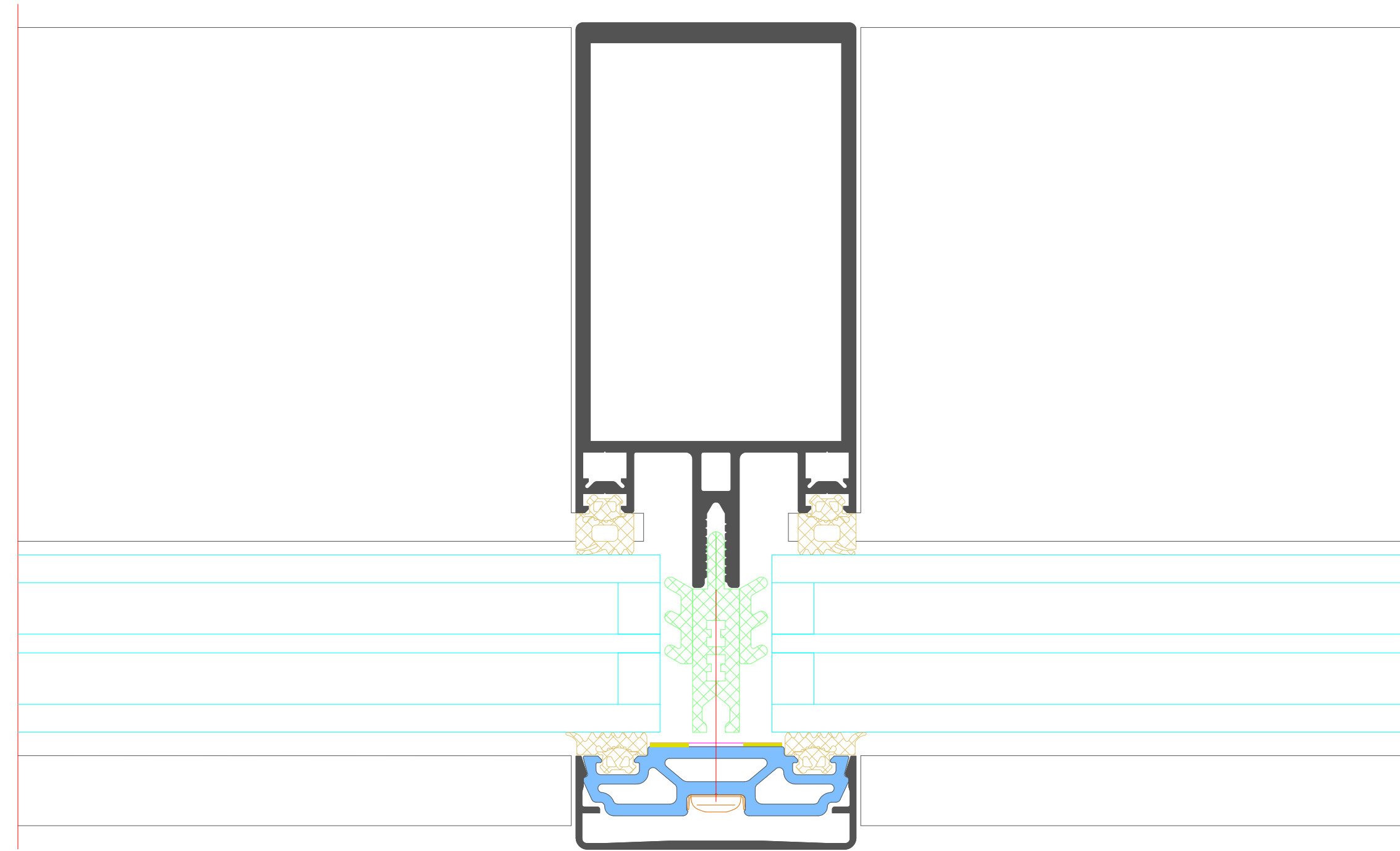
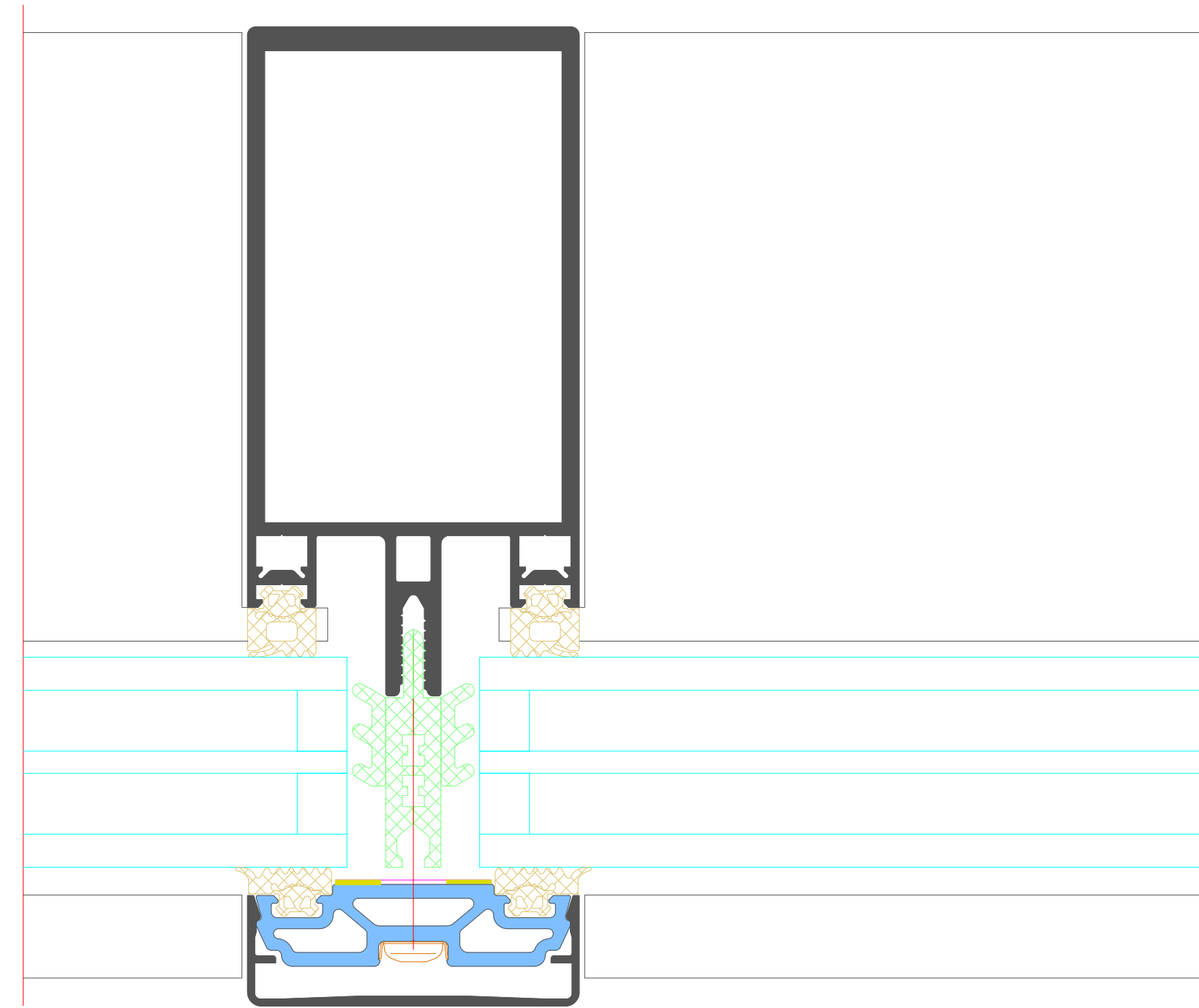
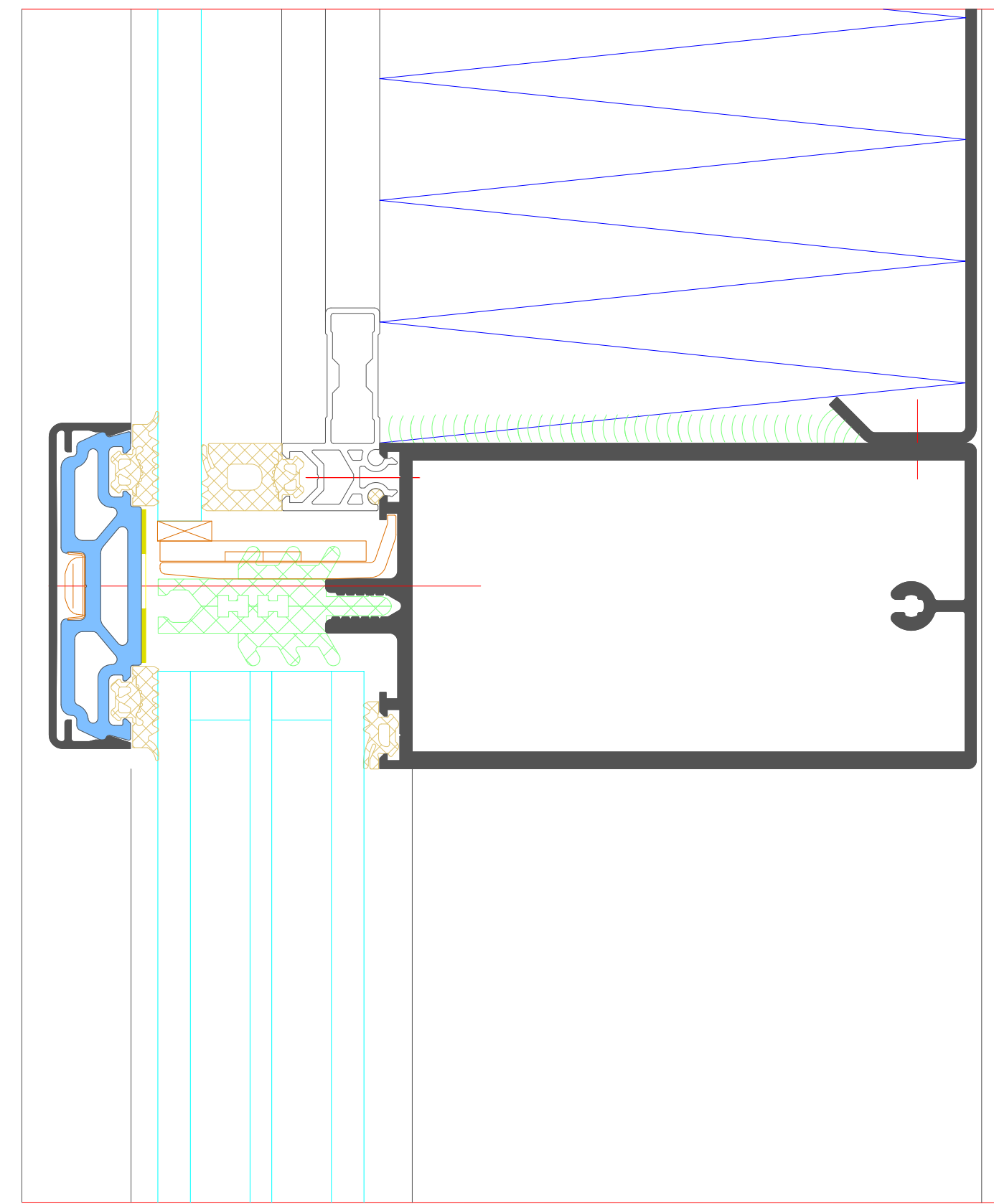
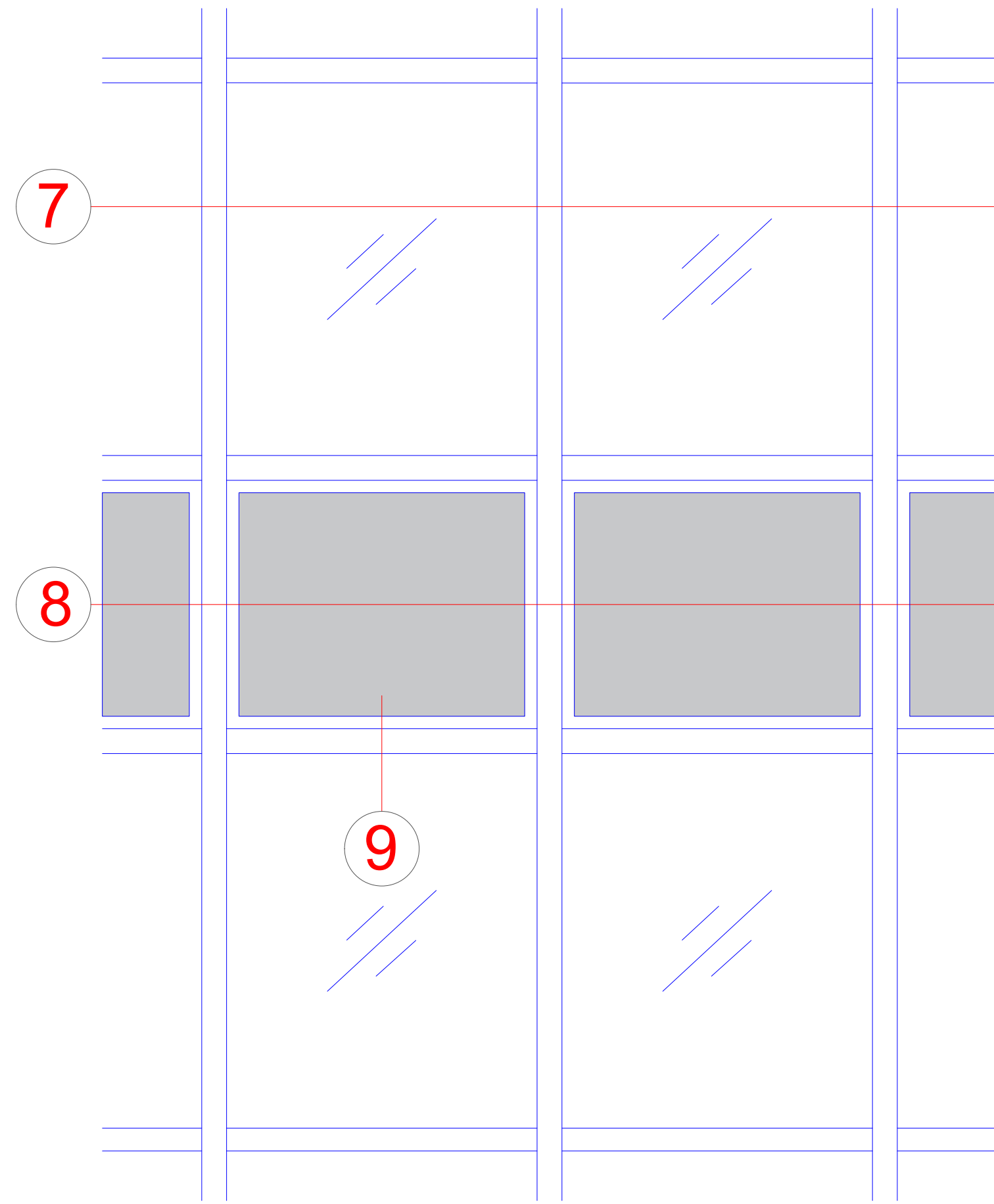
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90° Außenecke
90° outer corner

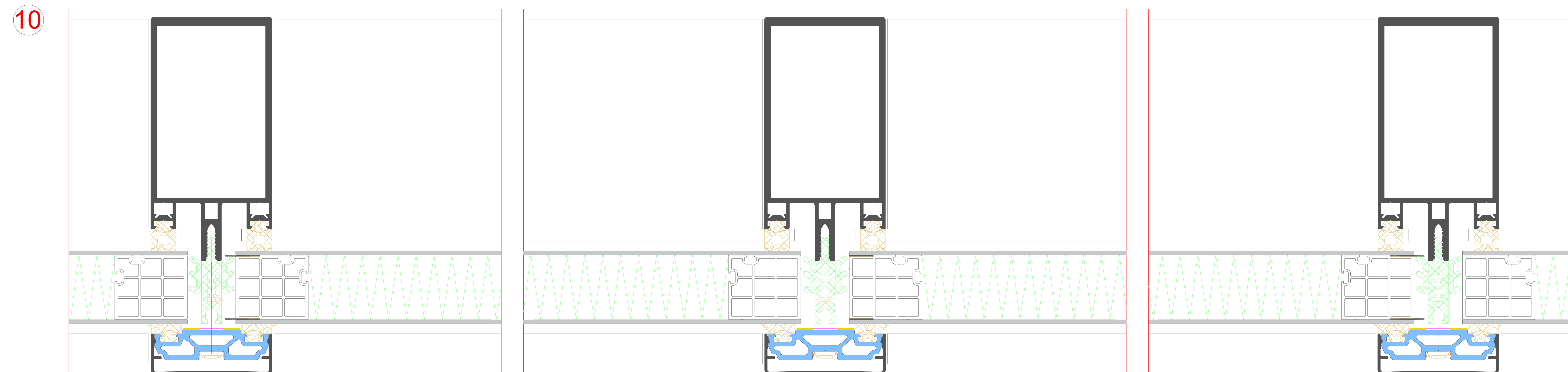
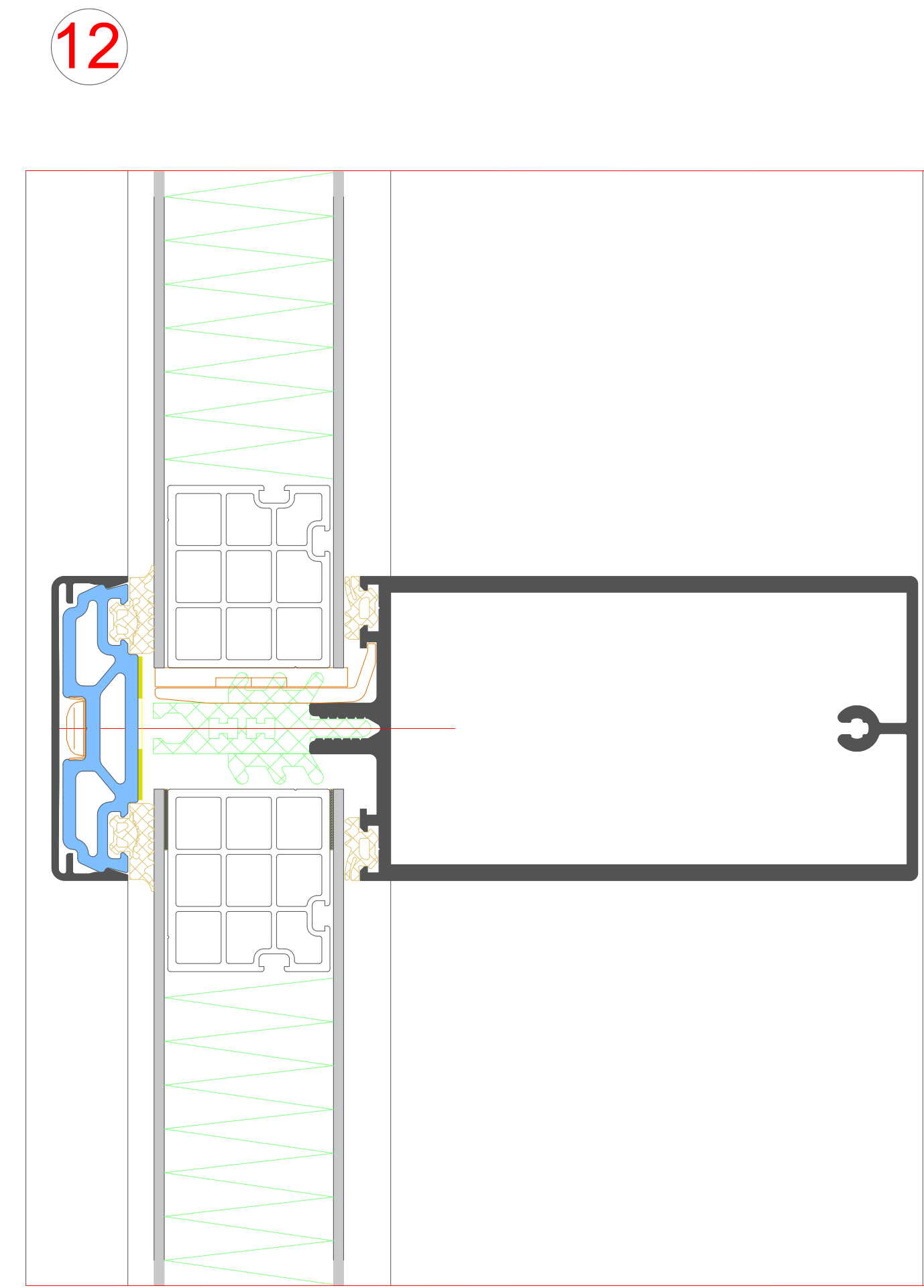
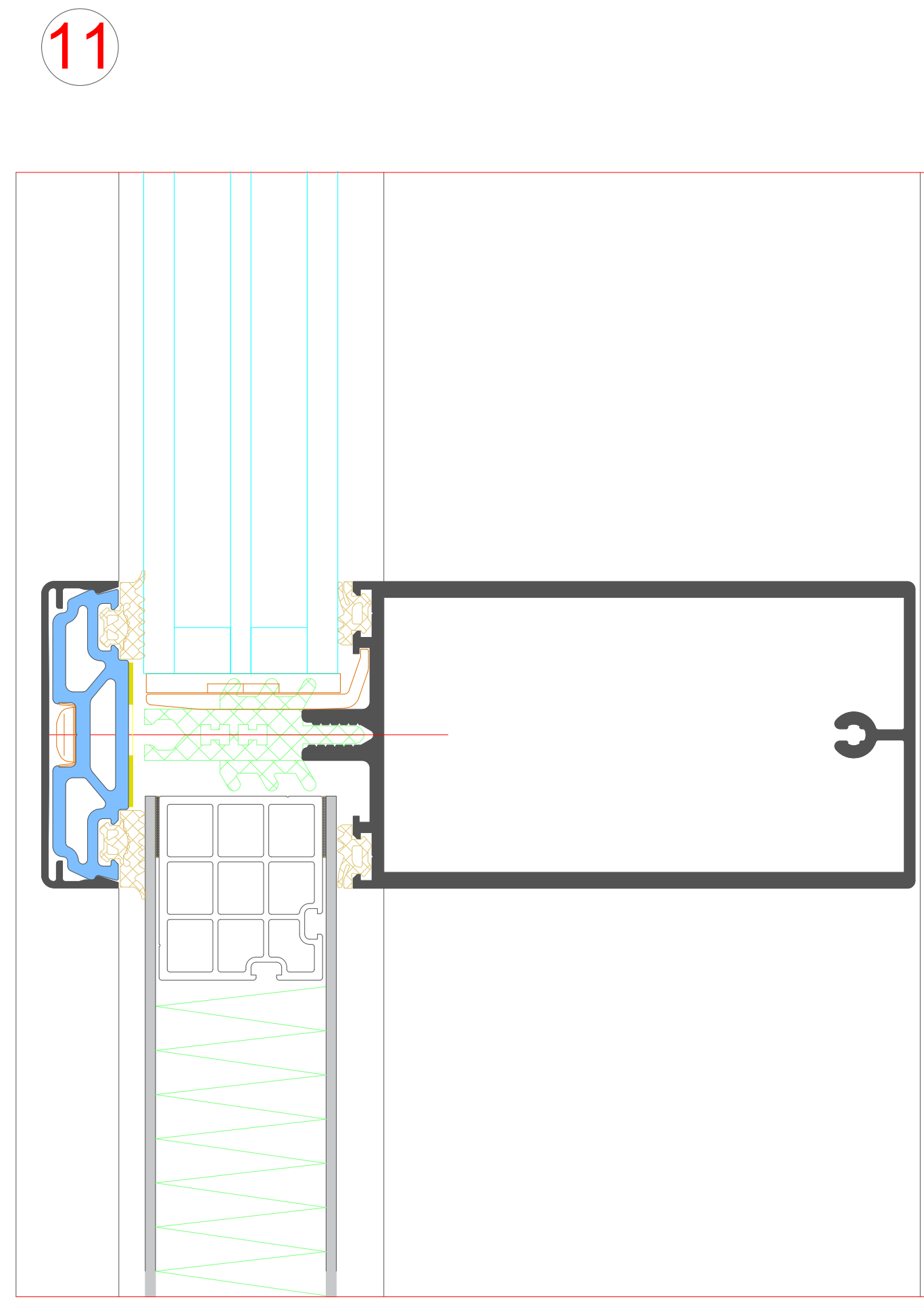
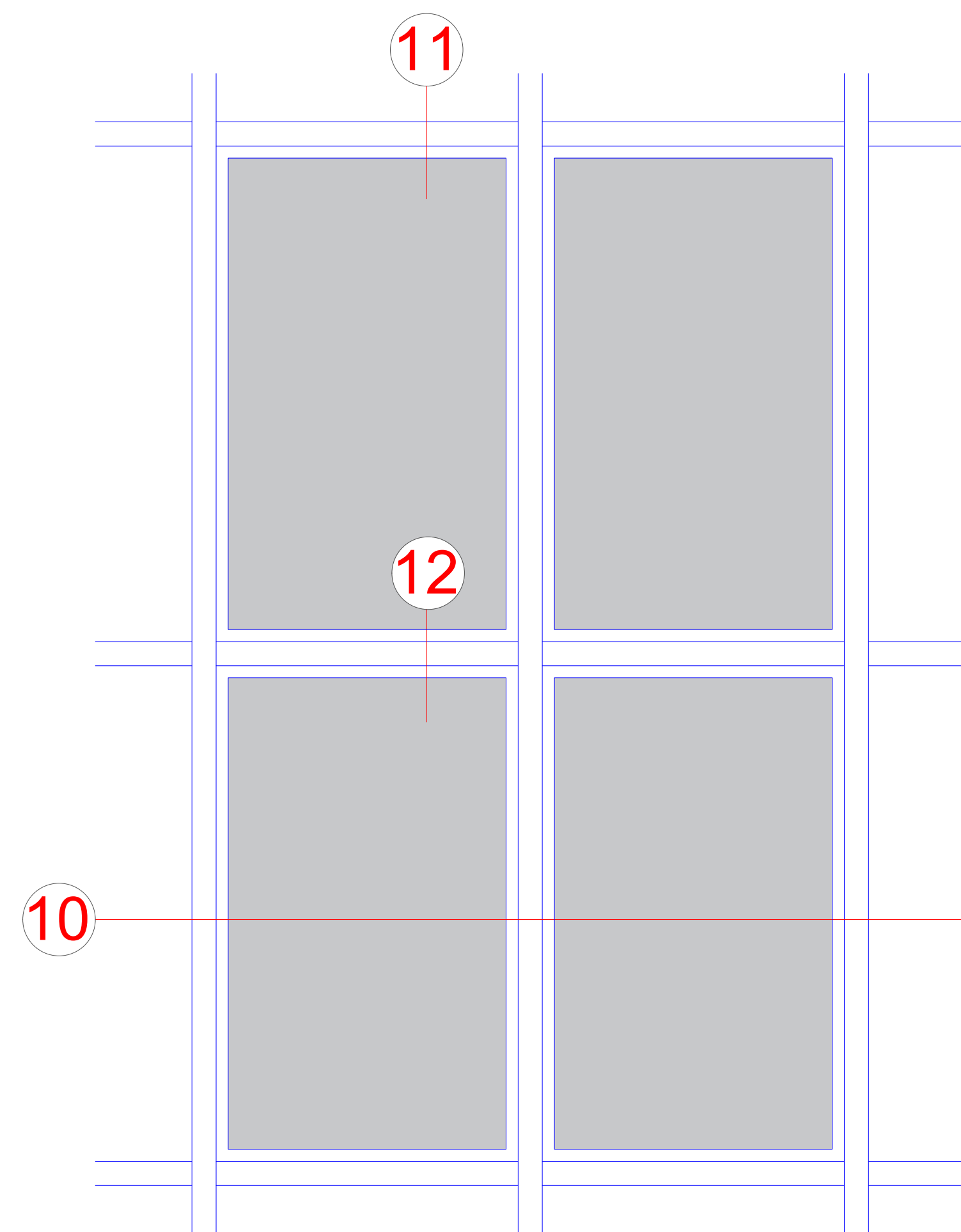
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Kaltbrüstung
Ventilated spandrel

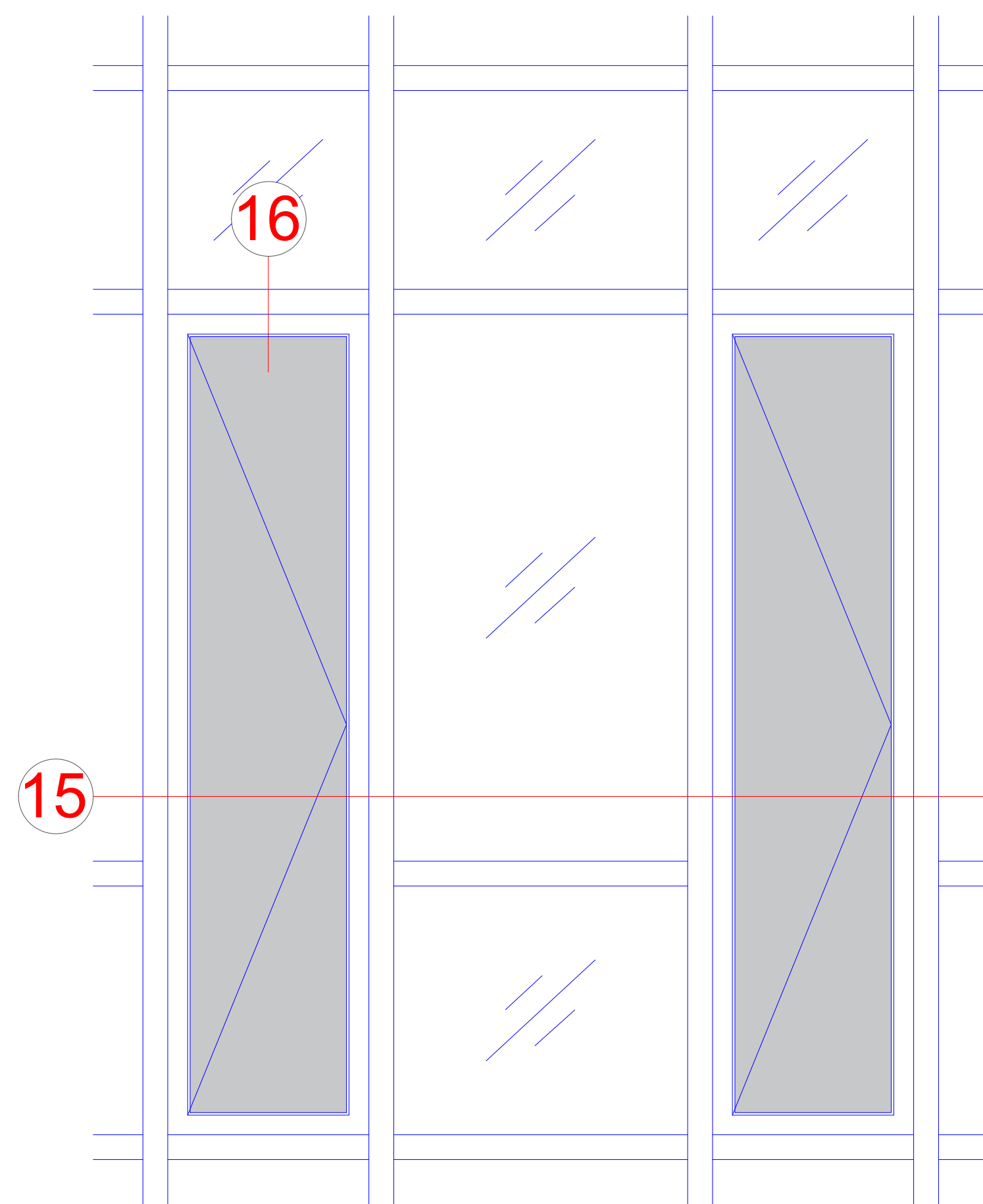
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Panel
Panel

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Lüftungsflügel Riva AWS 75 VV.SI+
Riva AWS 75 VV.SI+ ventilation vent



Technische Informationen Riva AWS 75 VV.SI+
Technical information about Riva AWS 75 VV.SI+

Prüfungen und Normen **

Tests and standards

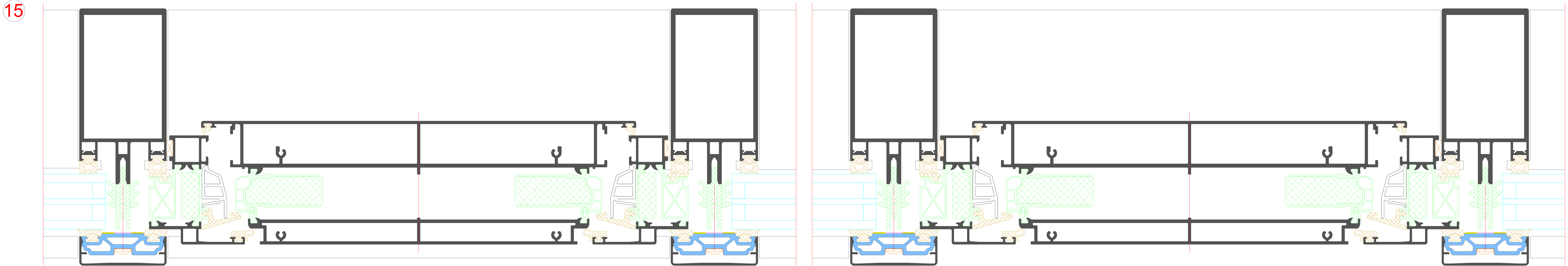
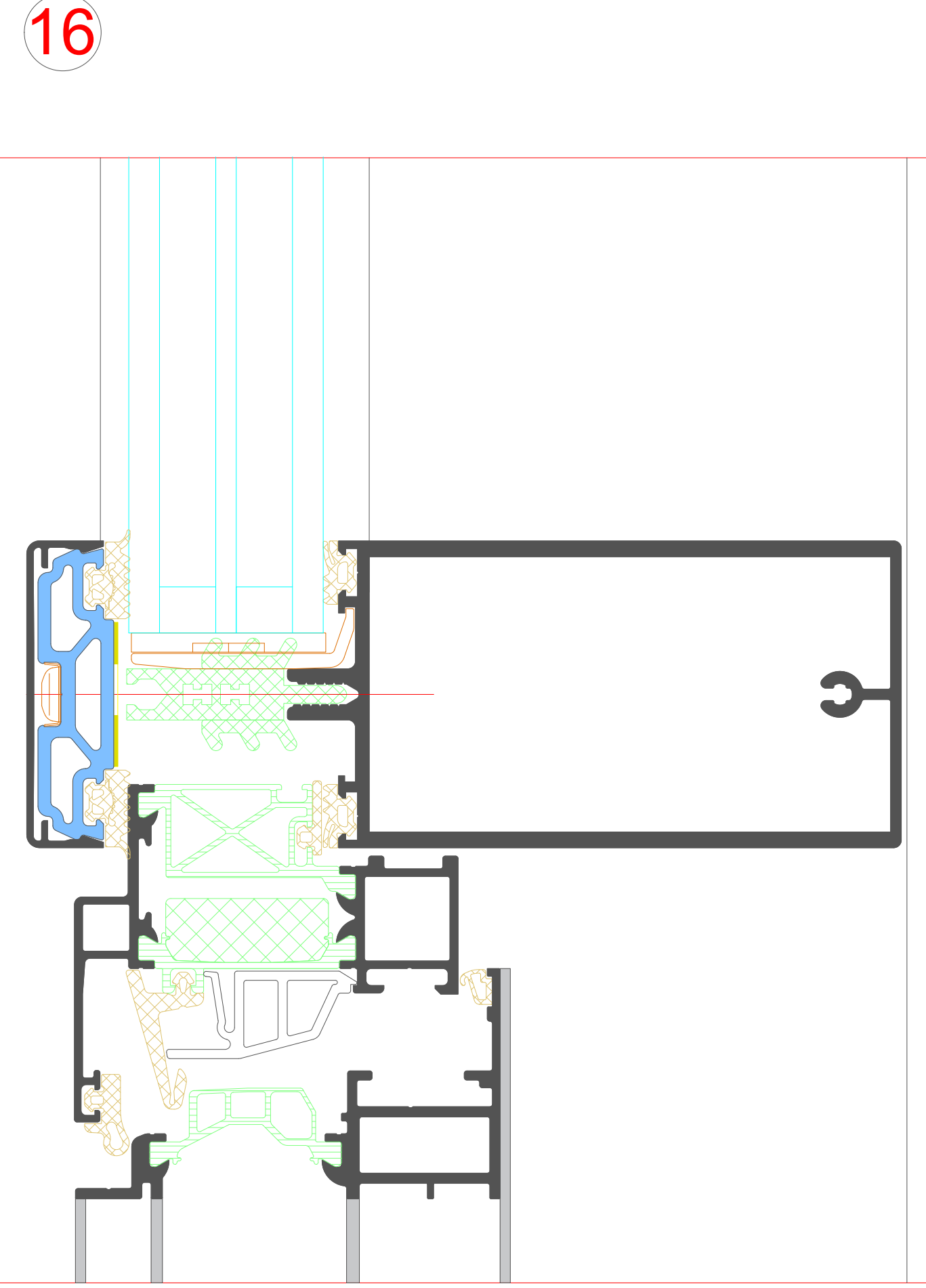
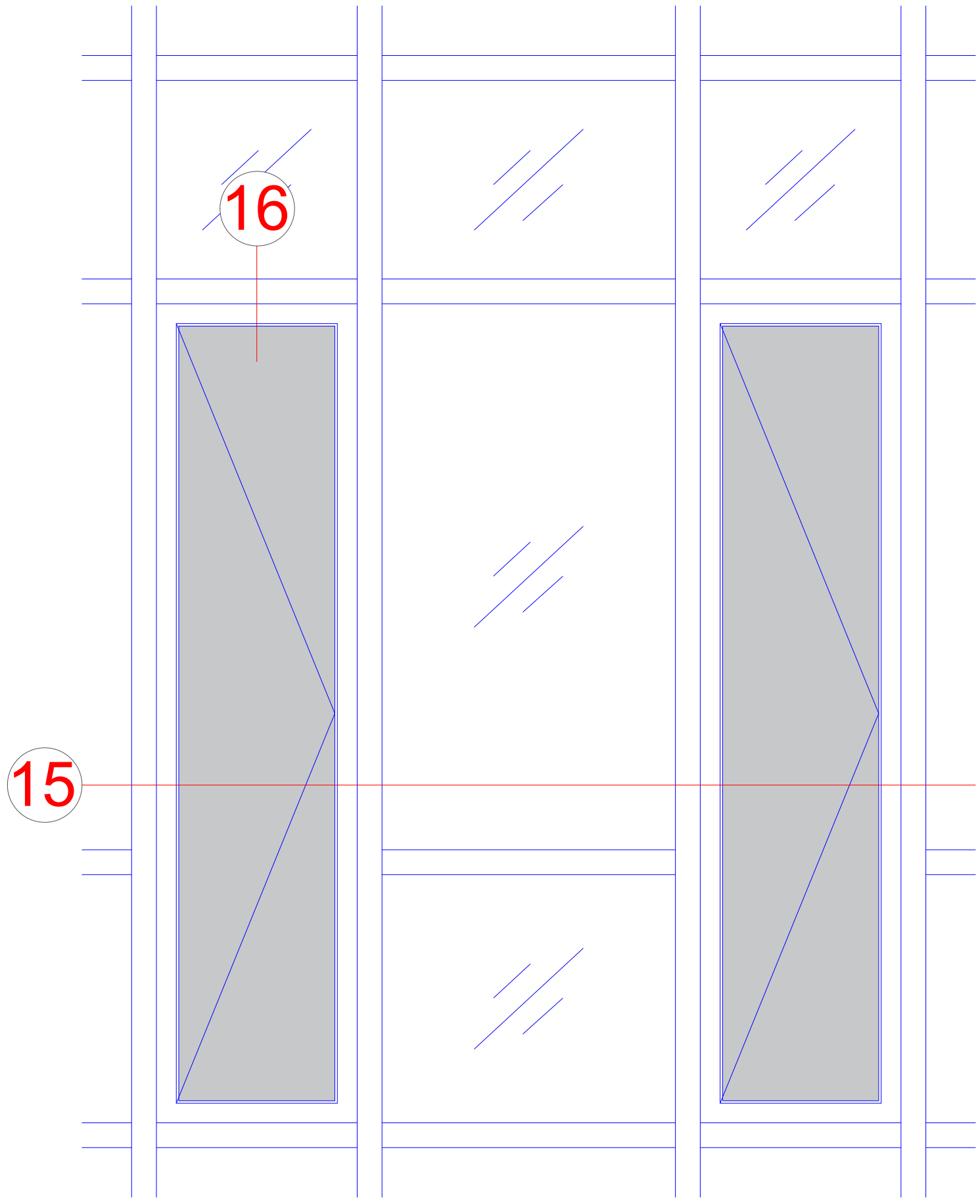
Wärmedämmung nach DIN EN ISO 1077-2	bis $U_w = 1,0 \text{ W}/(\text{m}^2\text{K})$
Thermal insulation in accordance with DIN EN ISO 1077-2	To $U_w = 1.0 \text{ W}/(\text{m}^2\text{K})$
Schalldämmung nach DIN EN ISO 140-3	$\leq 46 \text{ dB}$
Sound reduction in accordance with DIN EN ISO 140-3	
Einbruchhemmung nach DIN V ENV 1627	Klasse RC 2
Burglar resistance in accordance with DIN V ENV 1627	Class RC 2
Luftdurchlässigkeit nach DIN EN 12207	Klasse 4
Air permeability in accordance with DIN EN 12207	Class 4
Schlagregendichtheit nach DIN EN 12208	Klasse 9a
Watertightness in accordance with DIN EN 12208	Class 9a
Windlastwiderstand nach DIN EN 12210*	Klasse C5/B5
Wind load resistance in accordance with DIN EN 12210	Class C5 / B5
Mechanische Beanspruchung nach DIN EN 13115	Klasse 4
Mechanical loading in accordance with DIN EN 13115	Class 4
Dauerfunktion nach DIN EN 12400	Klasse 3
Durability in accordance with DIN EN 12400	Class 3
Gebrauchssicherheit nach DIN EN 13126-5 (Öffnungsbegrenzer)	Klasse 2/0 + 3/0
Safety in use in accordance with DIN EN 13126-5 (limiting stay)	Class 2/0 + 3/0

- * Durchbiegungsverhalten profilabhängig
The amount of deflection will depend on the profile

****** Die Angaben beschreiben die Bestwerte des Gesamtsystems.
Die Eigenschaften einer jeweils gewählten Ausführungsvariante oder
Elementkombination sind im Einzelfall anhand der ausführlichen
Prüfdokumentation zu bestimmen.

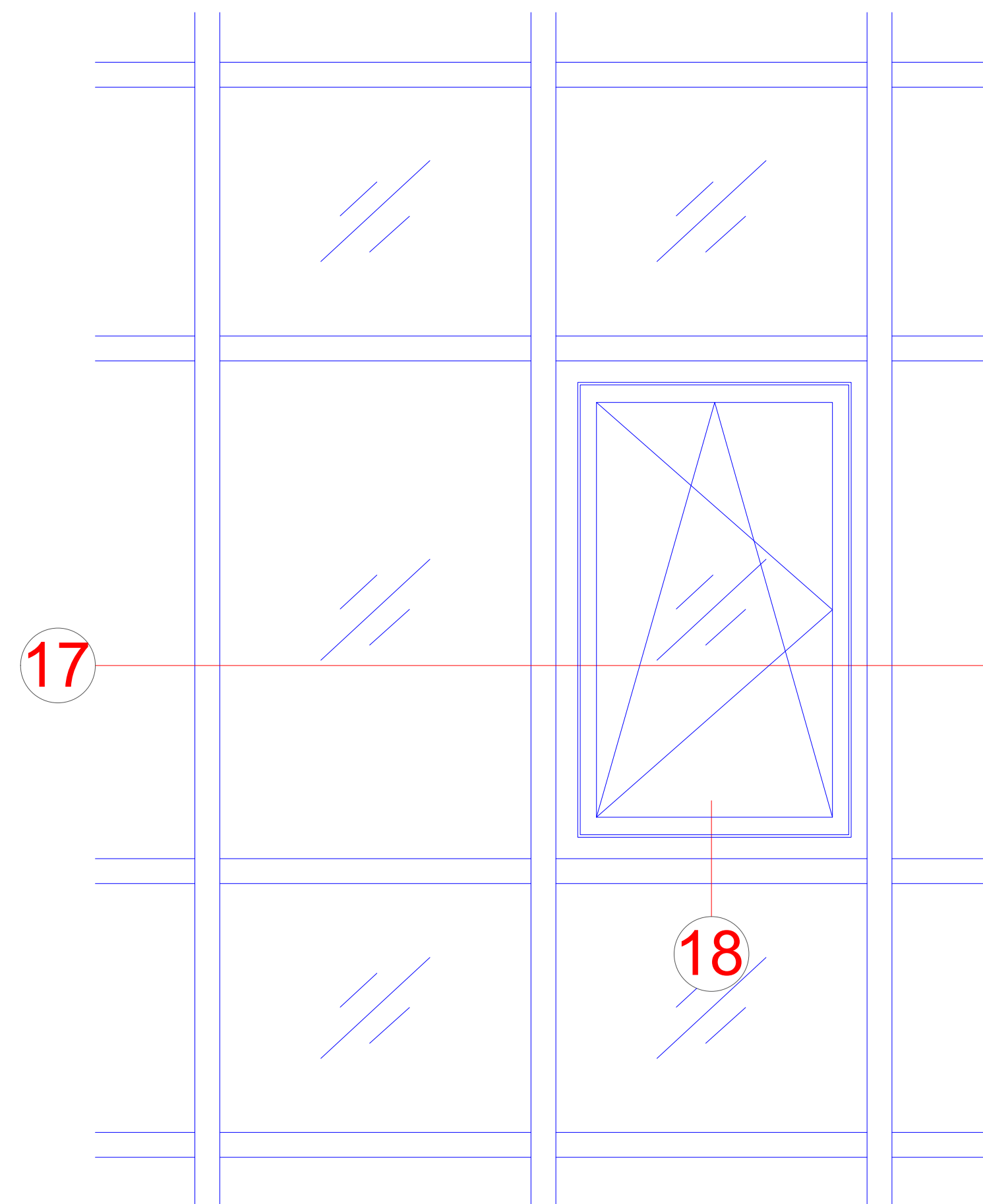
The information describes the optimum values of the entire system.
The properties of a selected design option or unit combination have to be
determined individually based on the comprehensive test documentation.

Lüftungsflügel Riva AWS 75 VV.SI+
Riva AWS 75 VV.SI+ ventilation vent



	STATUS	ISSUING	RECEIVED	DISPATCH	
	DATE	CHANGE	DATE	OFFICE	
000001					
000001					
Rissa Bærnessdalen					
Rissa Unit section details					
001					
001					
Rassa Riva FWS 60 SI Green					
Rassa RIVA FWS 60 SI Green					
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001					
Rassa Riva FWS 60 SI Green					
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Einsatzelement Riva AWS 75 SI+
Riva AWS 75.SI+ insert unit



Technische Informationen AWS 75 SI+

Technical information about AWS 75 SI+

Prüfungen und Normen **

Tests and standards

Wärmedämmung nach DIN EN ISO 1077-2	$U_f = 1,3 - 1,6 \text{ W}/(\text{m}^2\text{K})$
Thermal insulation in accordance with DIN EN ISO 1077-2	
Schalldämmung nach DIN EN ISO 140-3	bis R_w 45 dB
Sound reduction in accordance with DIN EN ISO 140-3	Up to R_w 45 dB
Einbruchhemmung nach DIN V ENV 1627	Klasse WK2 (RC 2)
Burglar resistance in accordance with DIN V ENV 1627	Class WK2 (RC 2)
Luftdurchlässigkeit nach DIN EN 12207	Klasse 4
Air permeability in accordance with DIN EN 12207	Class 4
Schlagregendichtheit nach DIN EN 12208	Klasse 9a
Watertightness in accordance with DIN EN 12208	Class 9a
Windlastwiderstand nach DIN EN 12210	Klasse C5/B5
Wind load resistance in accordance with [*] DIN EN 12210	Class C5 / B5
Mechanische Beanspruchung nach DIN EN 13115	Klasse 4
Mechanical loading in accordance with DIN EN 13115	Class 4
Dauerfunktion nach DIN EN 12400	Klasse 3
Durability in accordance with DIN EN 12400	Class 3

Durchbiegungsverhalten profilabhängig

- * The amount of deflection will depend on the profile

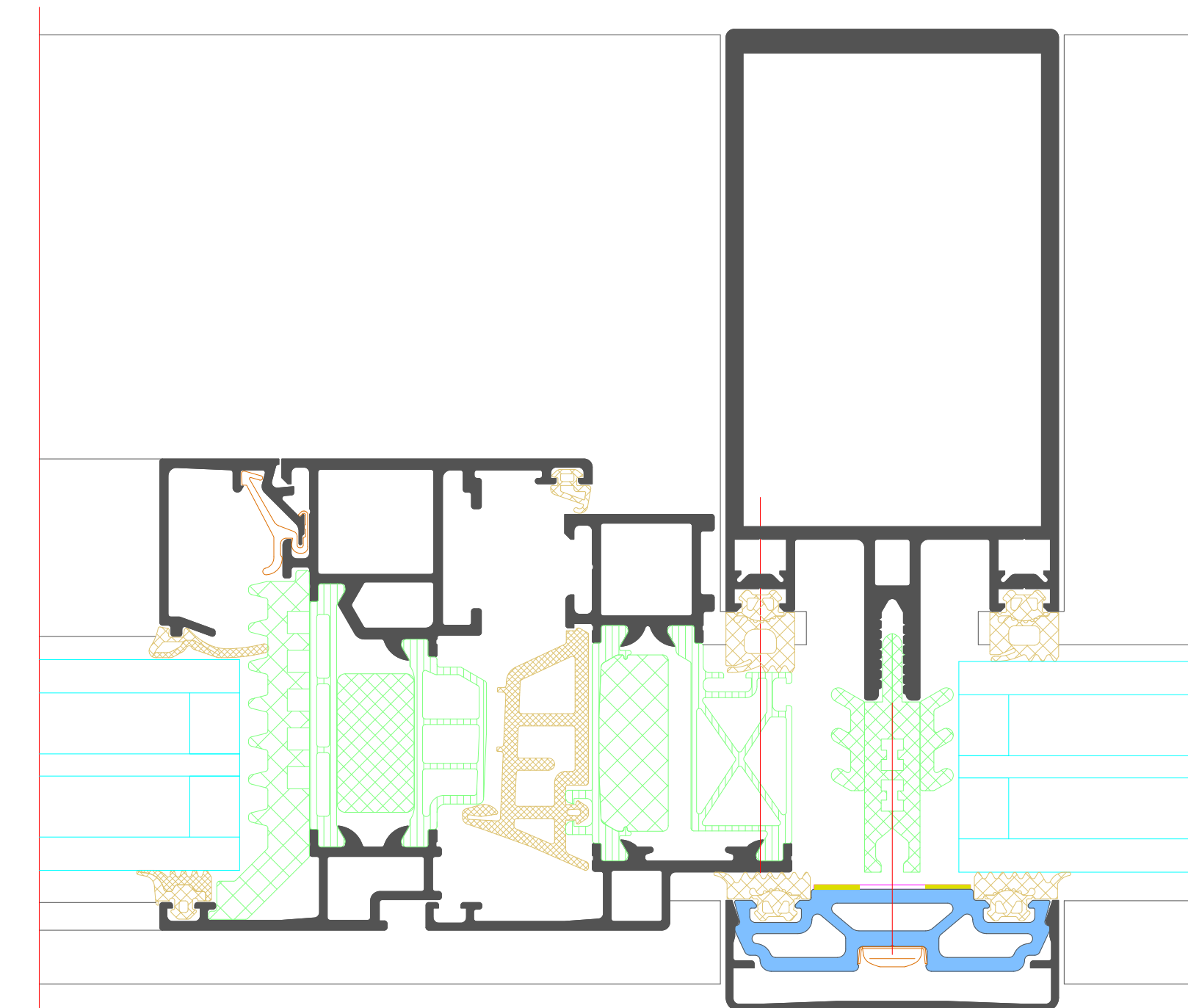
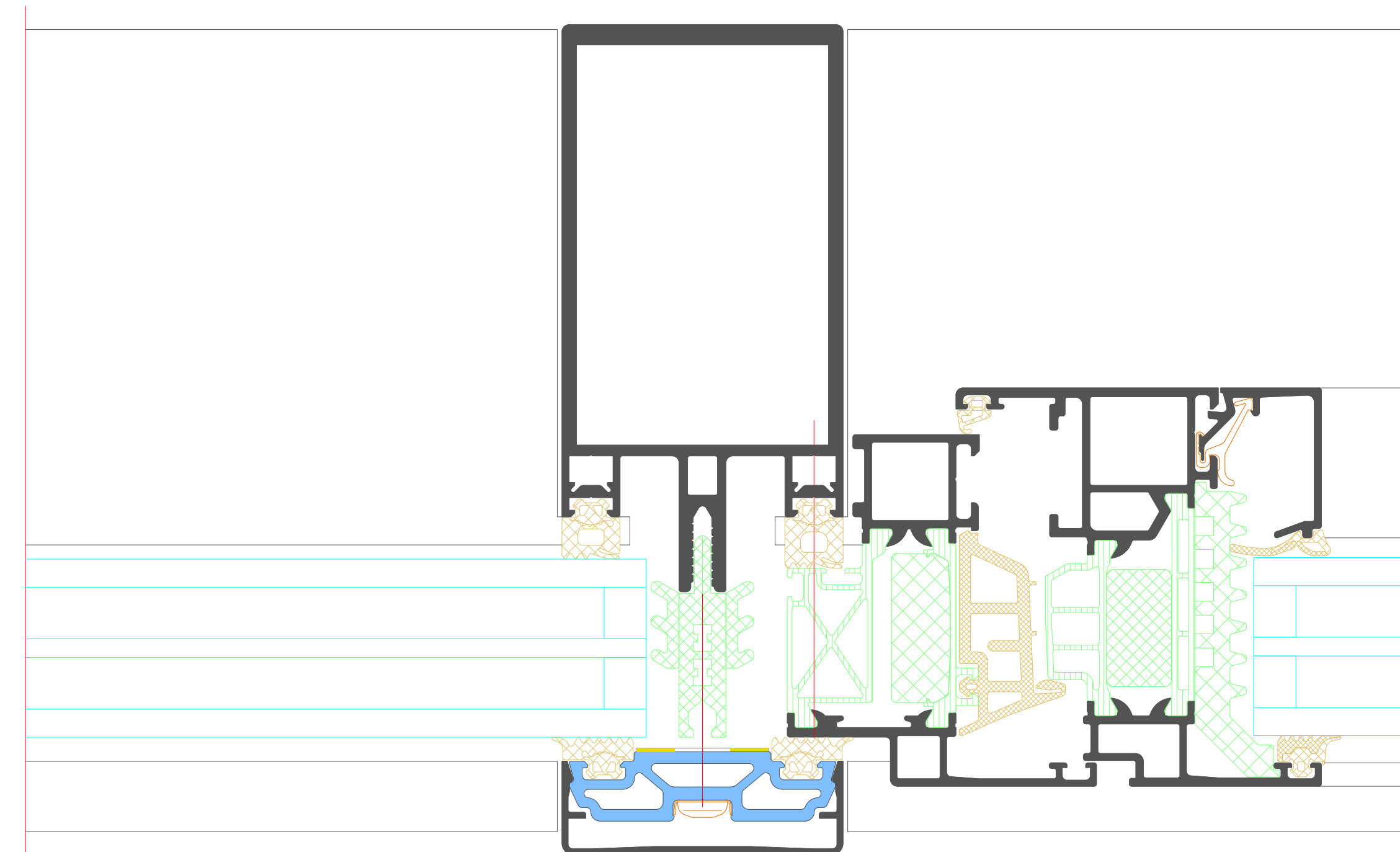
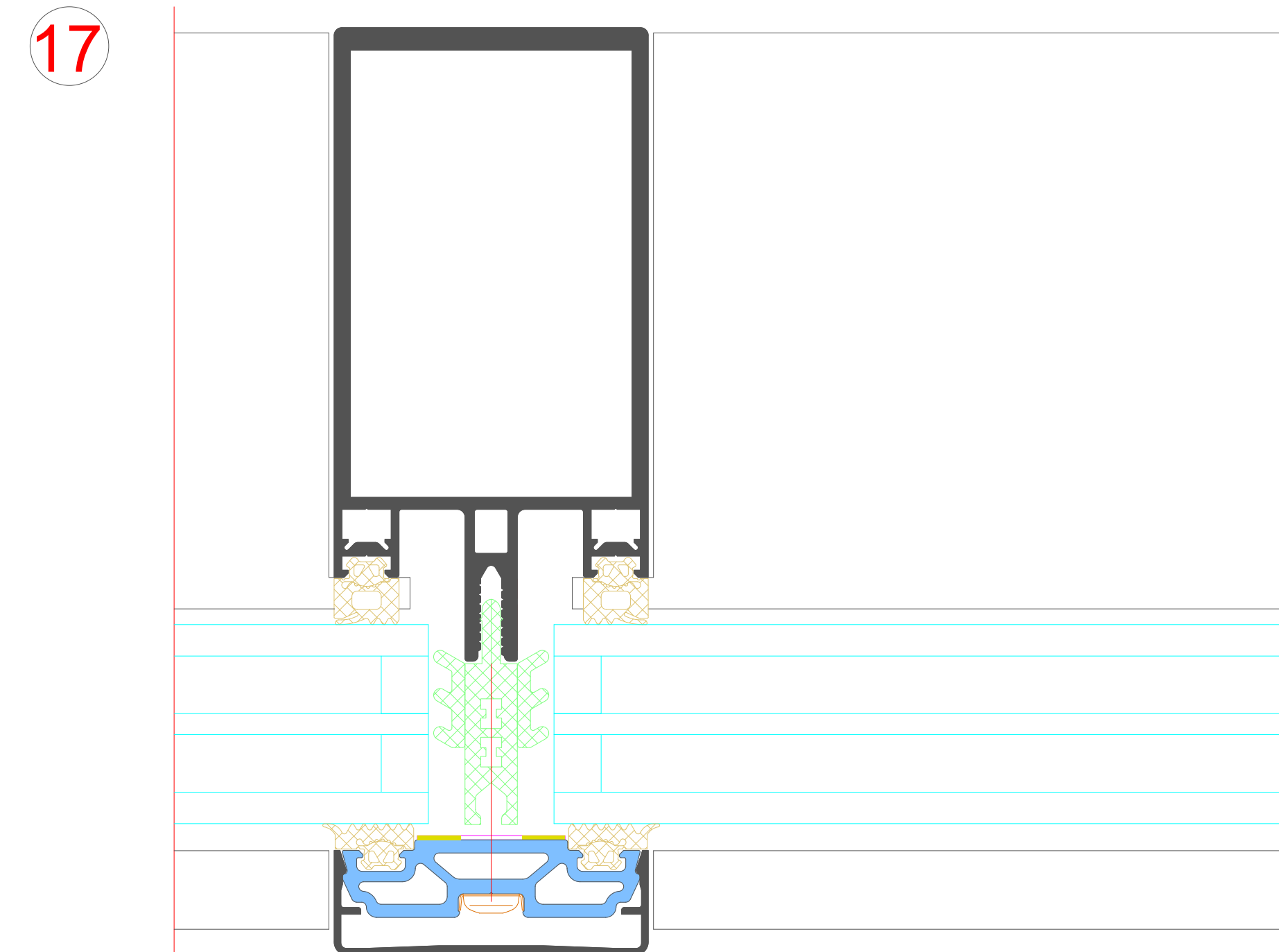
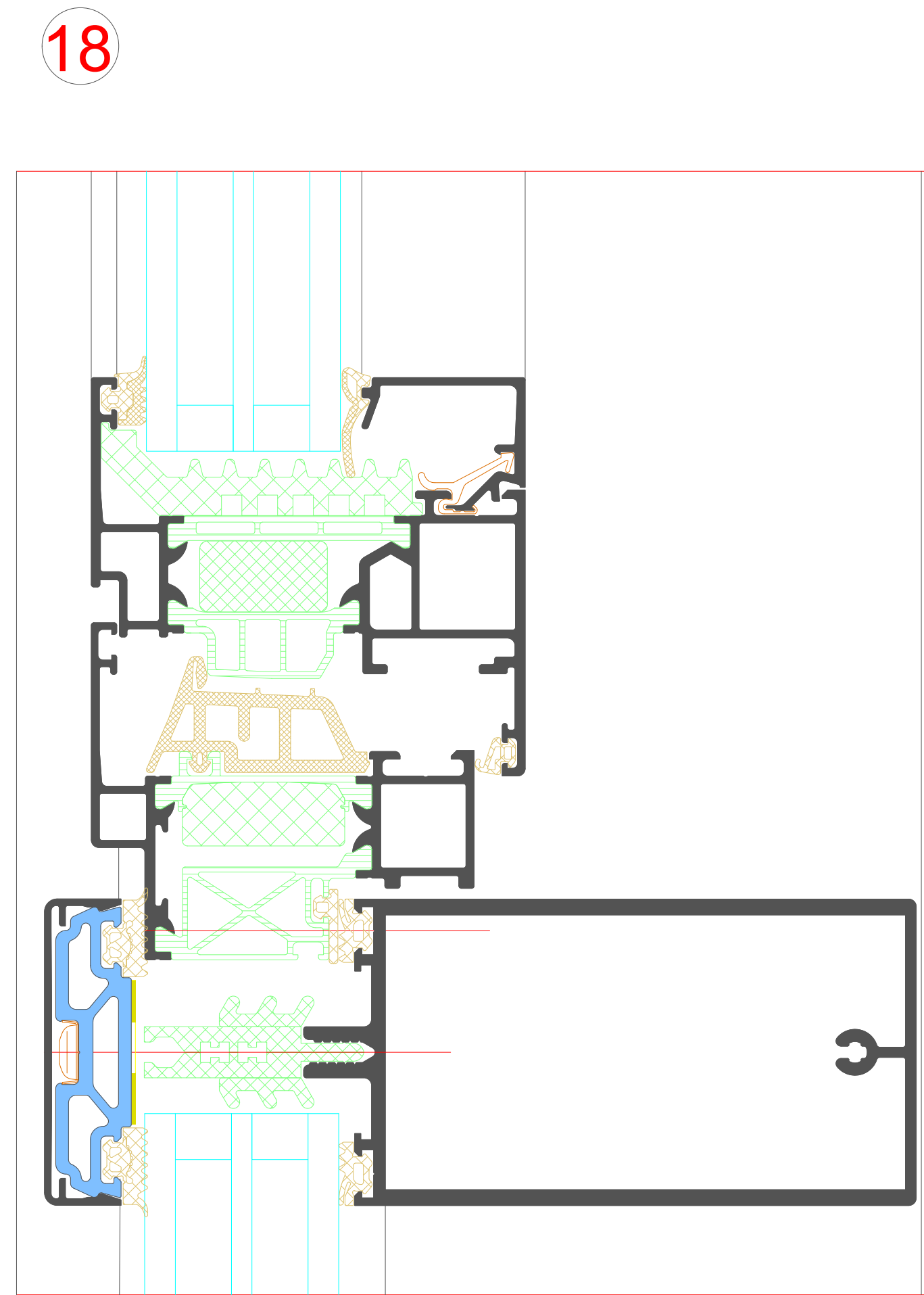
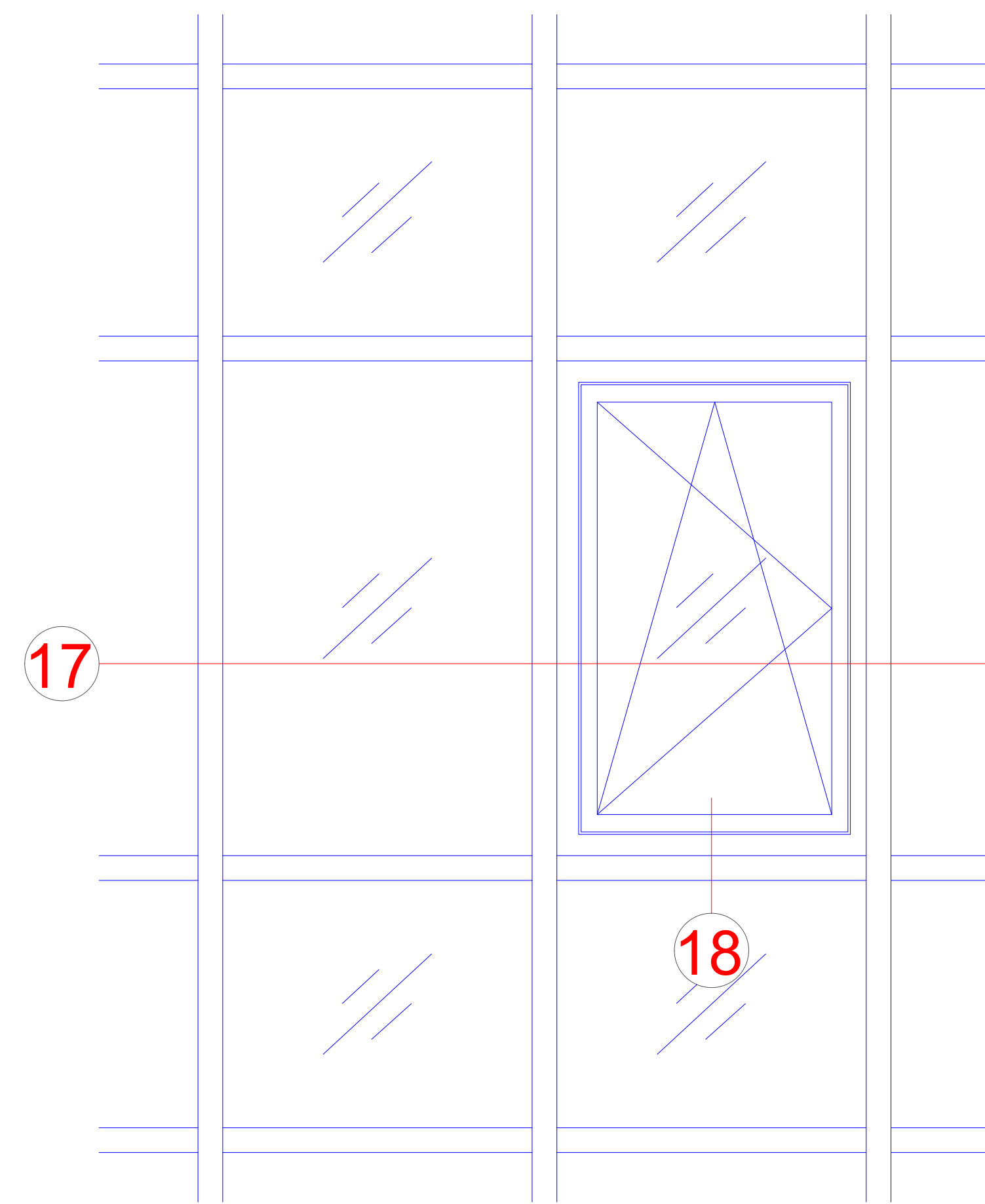
Die Angaben beschreiben die Bestwerte des Gesamtsystems.

**** Die Eigenschaften einer jeweils gewählten Ausführungsvariante oder Elementkombination sind im Einzelfall anhand der ausführlichen Prüfdokumentation zu bestimmen.**

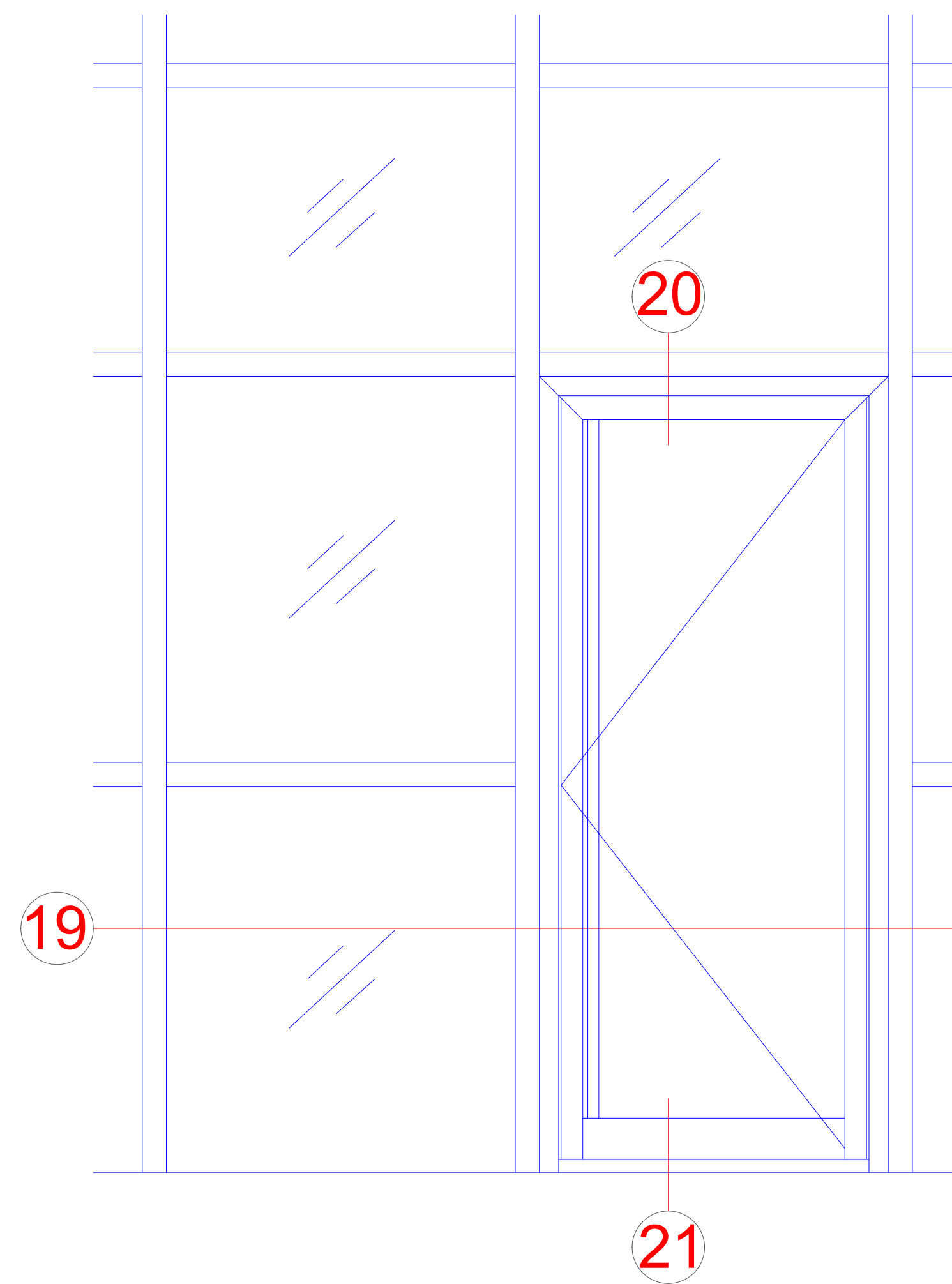
The information describes the optimum values of the entire system.

The properties of a selected design option or unit combination have to be determined individually based on the comprehensive test documentation.

Einsatzelement Riva AWS 75 SI+
Riva AWS 75.SI+ insert unit

[illegible]

Einsatzelement Riva AD UP 90 Design Edition
Riva AD UP 90 Design Edition insert unit



Technische Informationen AD UP 90

AD UP 90 technical information

Prüfungen und Normen *

Tests and standards

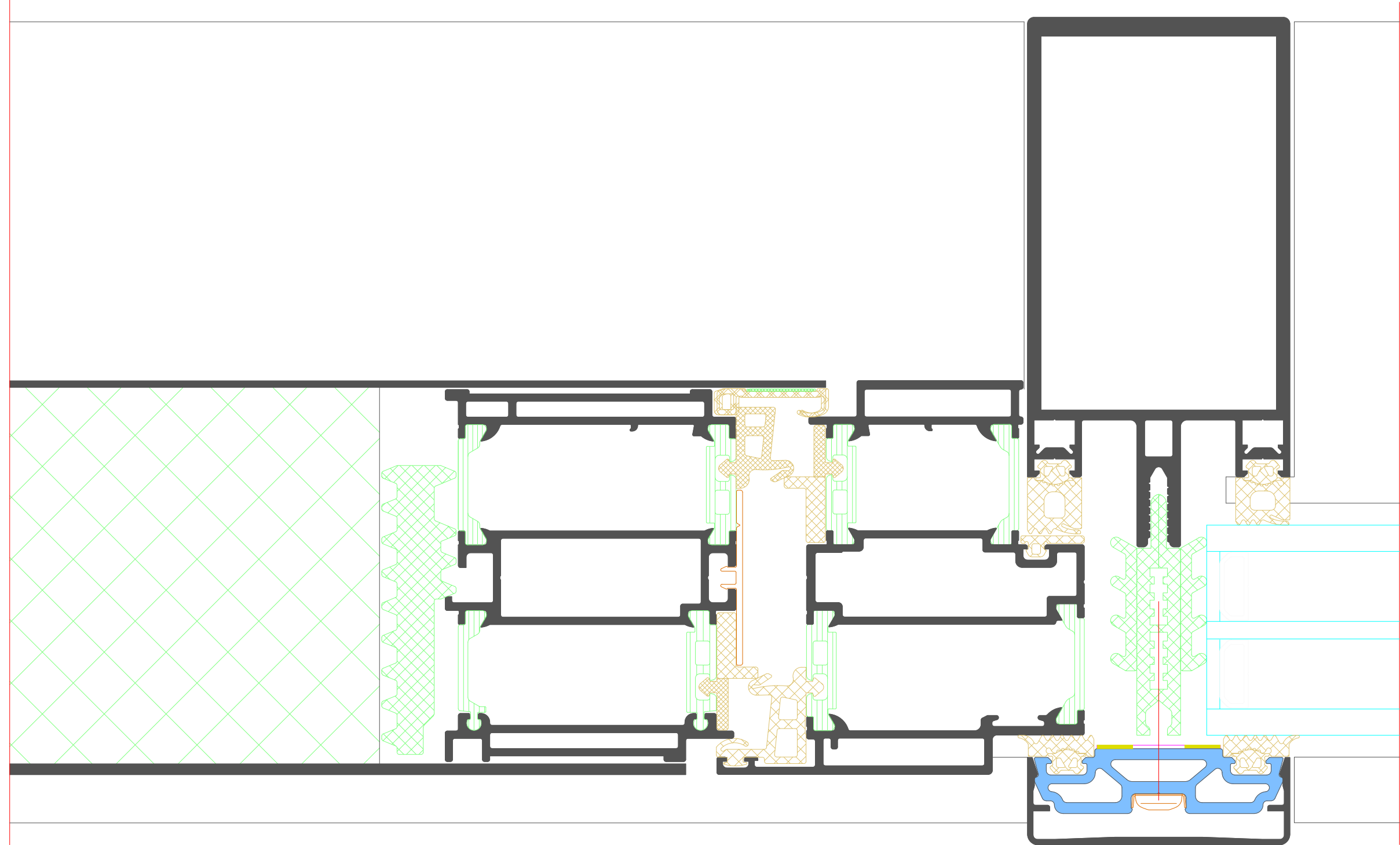
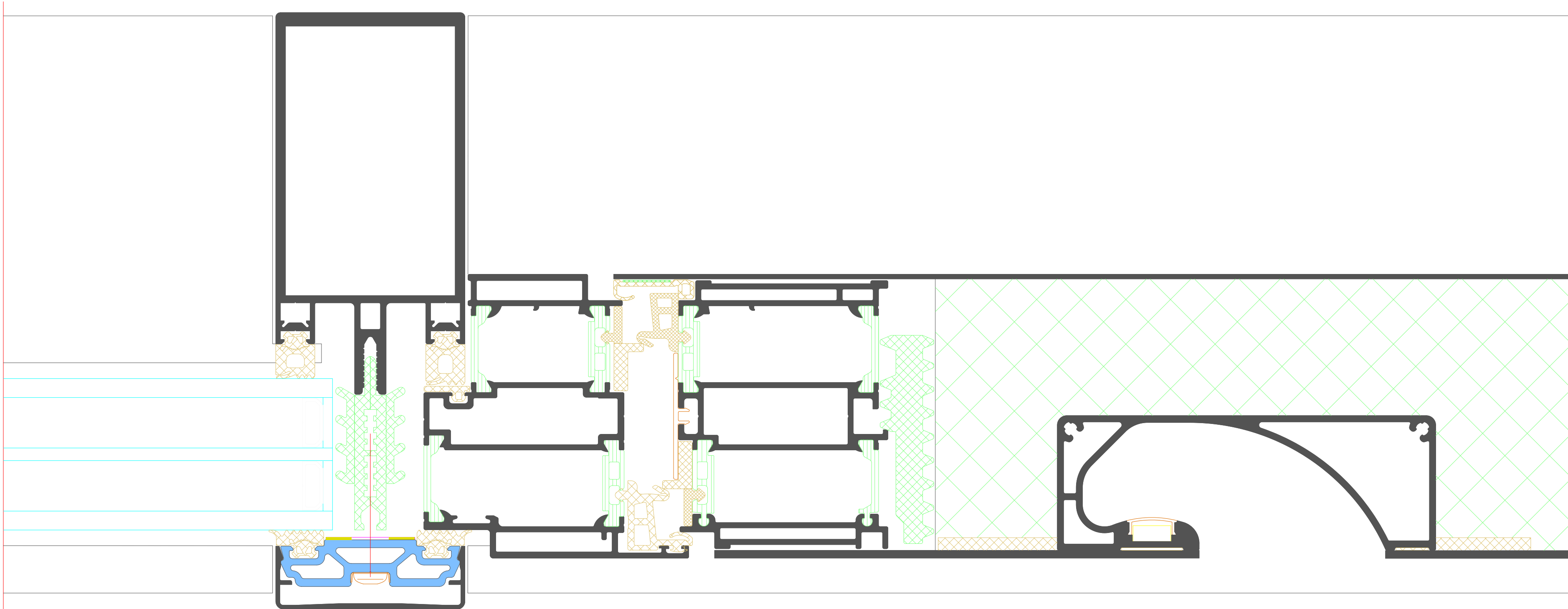
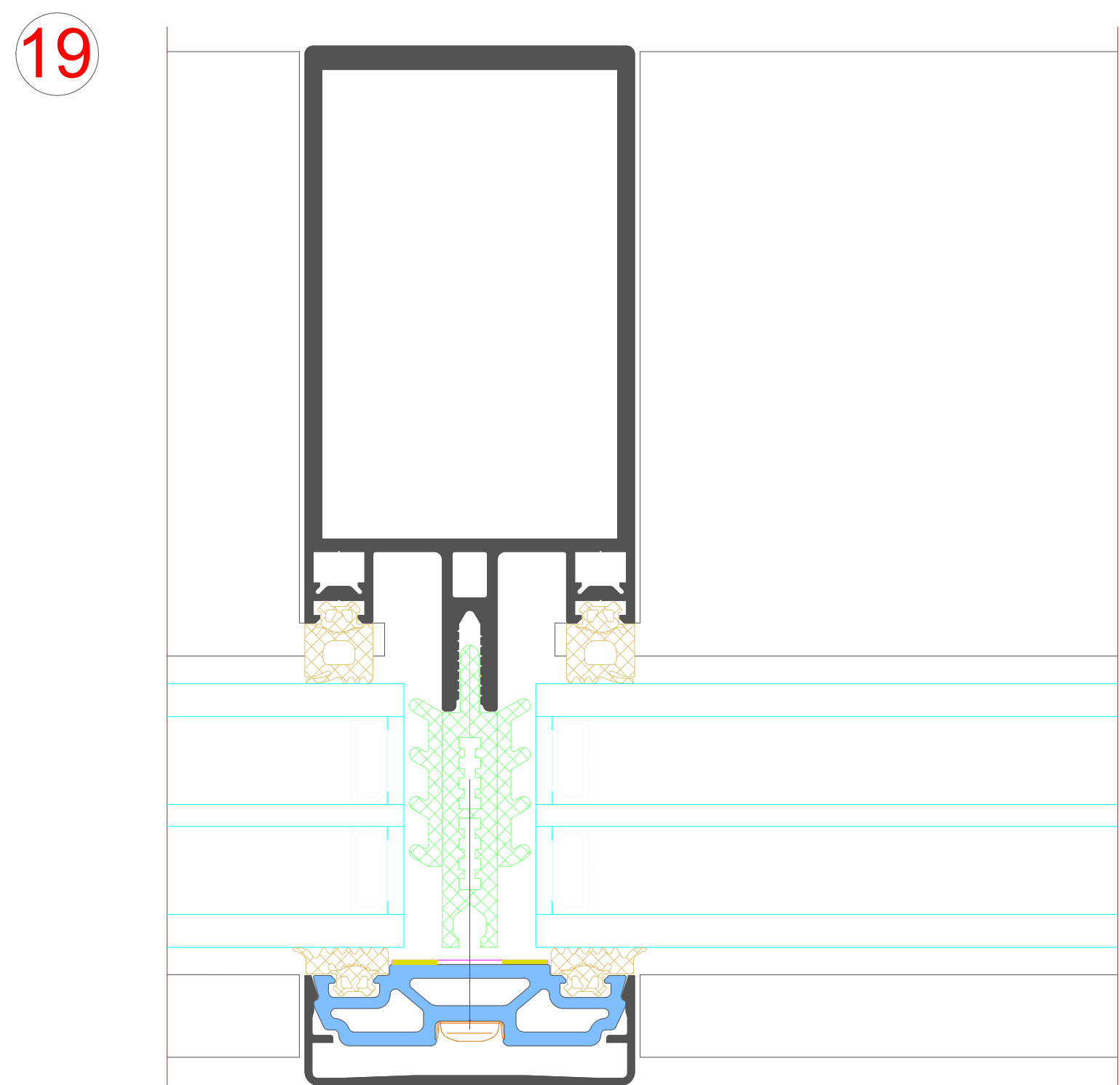
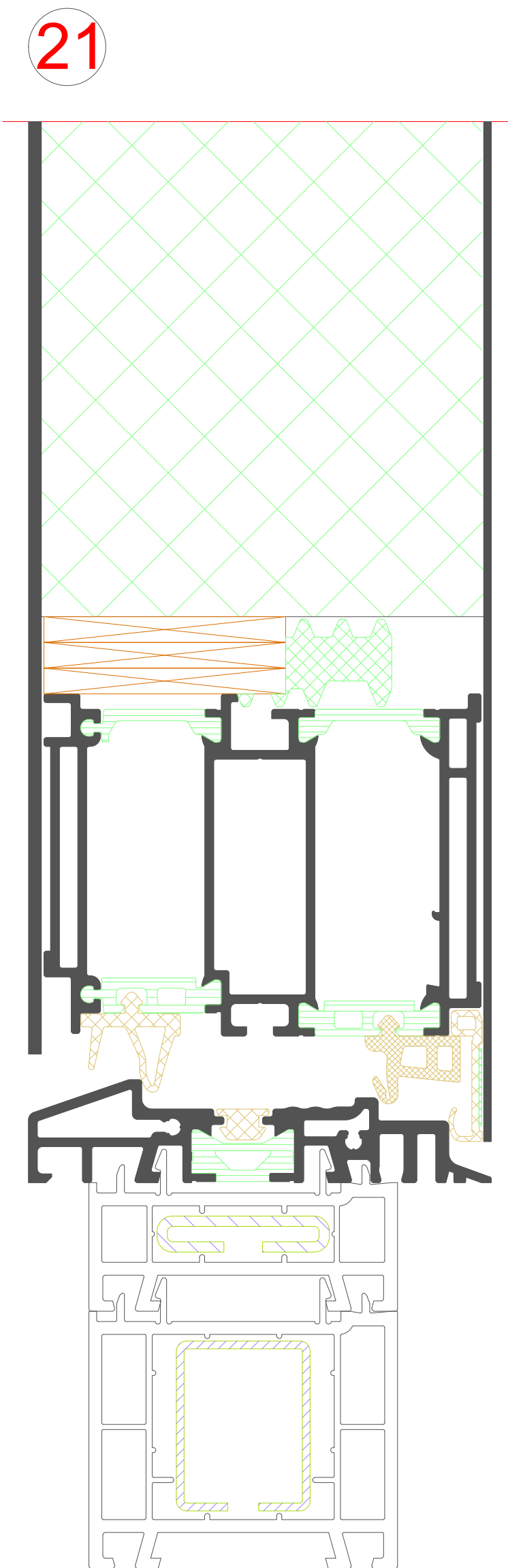
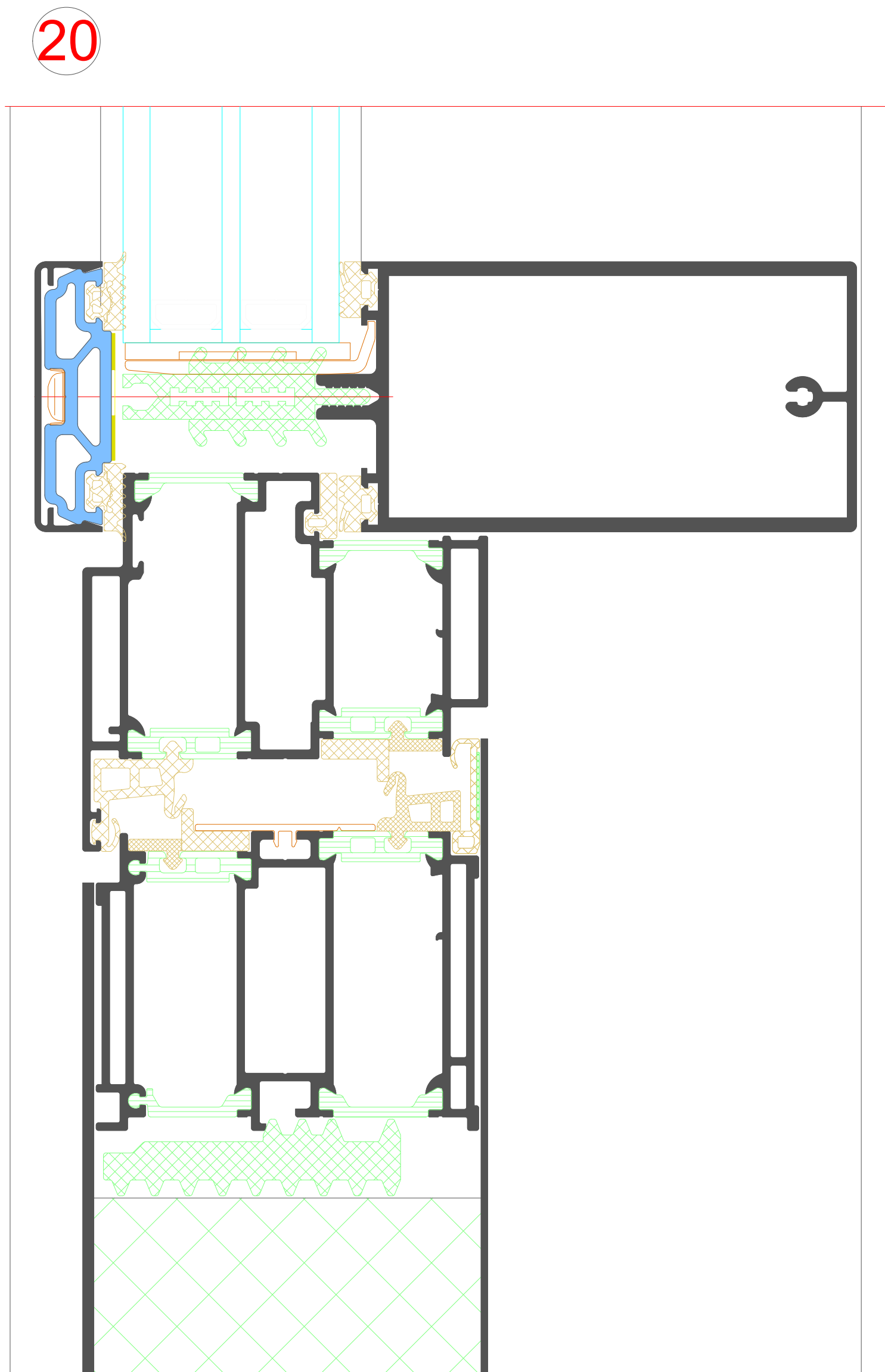
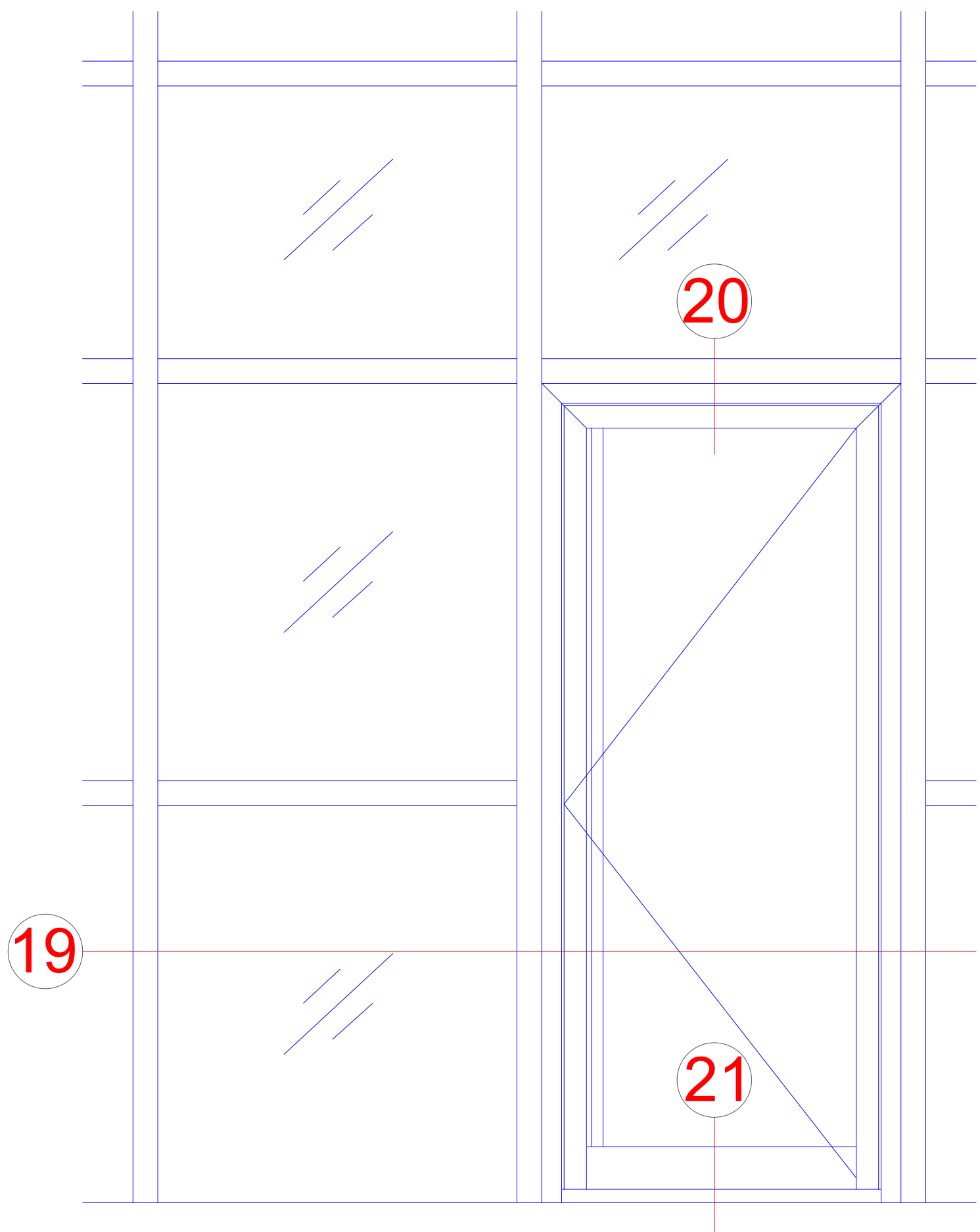
Wärmedämmung nach DIN EN ISO 1077-2 Thermal insulation in accordance with DIN EN ISO 1077-2	$U_f = 1,3 \text{ W/(m}^2\text{K)}$
Einbruchhemmung nach DIN V ENV 1627 (DIN EN 1627) Burglar resistance in accordance with DIN V ENV 1627 (DIN EN 1627)	keine Angaben No details
Luftdurchlässigkeit nach DIN EN 12207 Air permeability in accordance with DIN EN 12207	Klasse 4 Class 4
Schlagregendichtheit nach DIN EN 12208 Watertightness in accordance with DIN EN 12208	Klasse 5A Class 5A
Windlastwiderstand nach DIN EN 12210 Wind load resistance in accordance with DIN EN 12210	Klasse C2 / B2 Class C2 / B2

- * Die Angaben beschreiben die Bestwerte des Gesamtsystems bei innen als auch außen öffnenden Ausführungen. Die Eigenschaften einer jeweils gewählten Ausführungsvariante oder Elementkombination sind im Einzelfall anhand der ausführlichen Prüfdokumentation zu bestimmen.

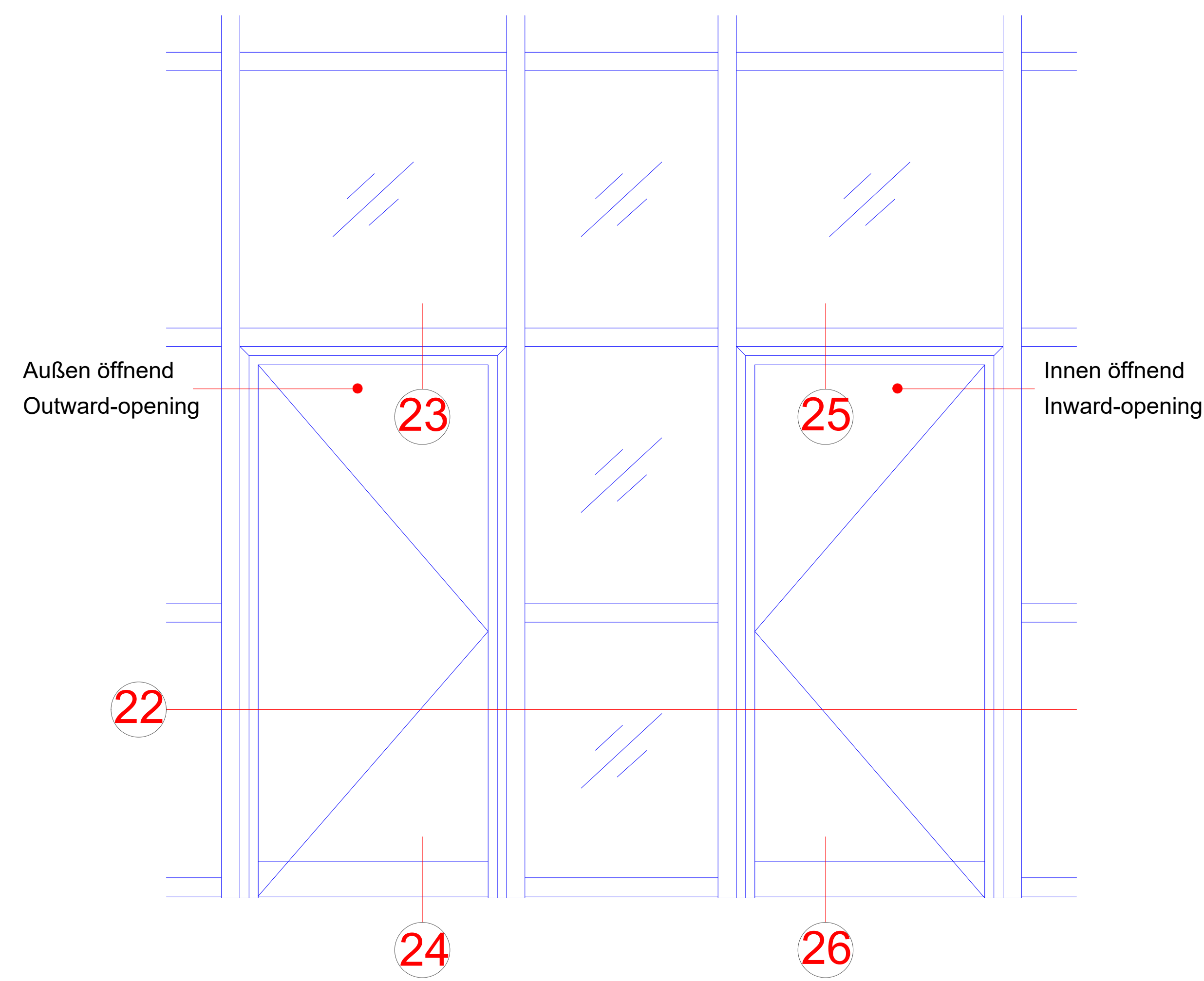
The information describes the optimum values of the entire system for both inward and outward-opening designs.

The properties of a selected design option or unit combination have to be determined individually based on the comprehensive test documentation.

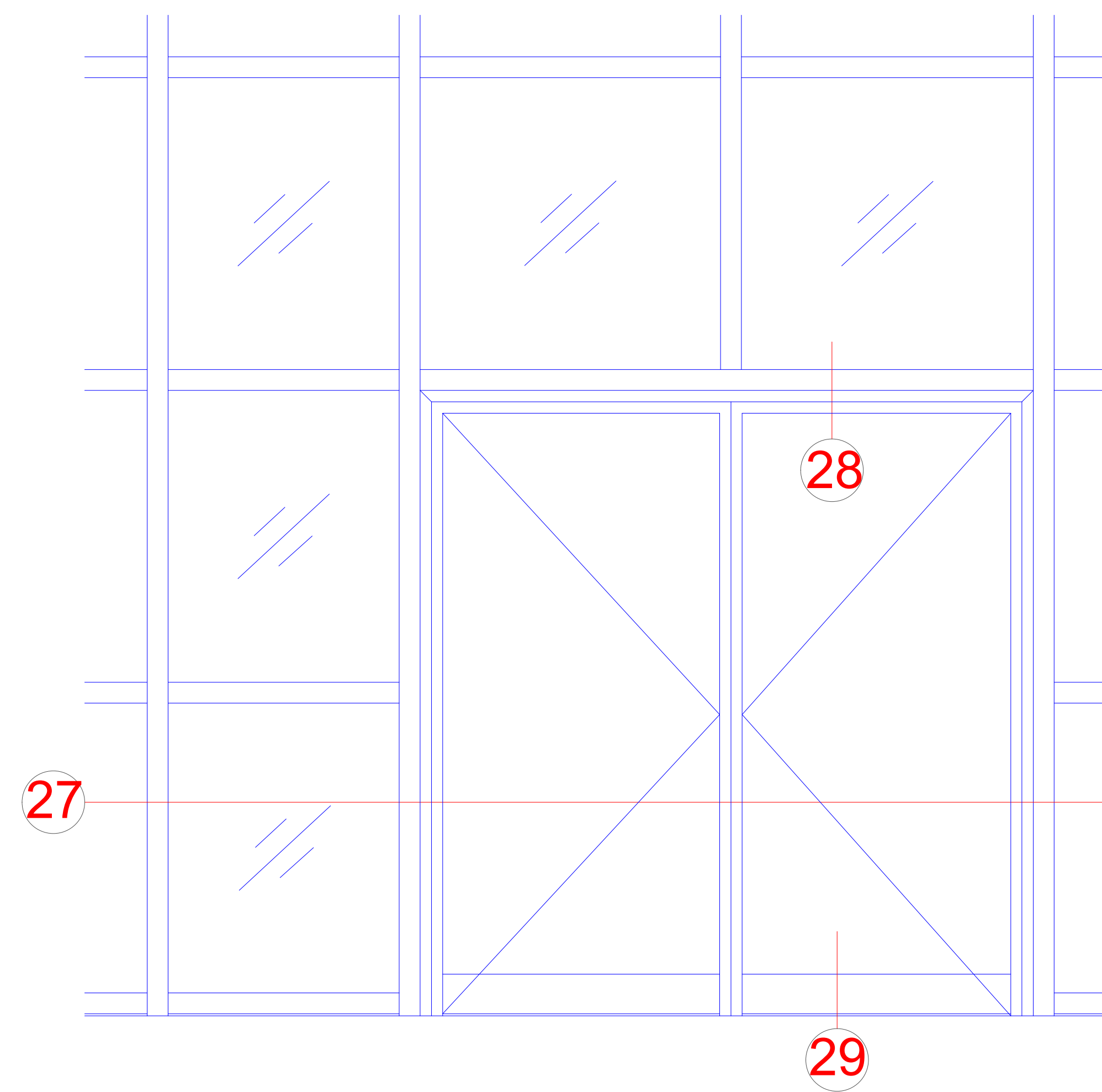
Einsatzelement Riva AD UP 90
Riva AD UP 90 insert unit



Einsatzelement Riva AD UP 75 - einflügelig
Riva AD UP 75 insert unit – single-leaf



Einsatzelement Riva AD UP 75 - zweiflügelig
Riva AD UP 75 insert unit – double-leaf



Technische Informationen

Technical information

Prüfungen und Normen *

Tests and standards

Wärmedämmung nach DIN EN ISO 1077-2 Thermal insulation in accordance with DIN EN ISO 1077-2	$U_f = 1,6 \text{ W/(m}^2\text{K)}$
Einbruchhemmung nach DIN V ENV 1627 (DIN EN 1627) Burglar resistance in accordance with DIN V ENV 1627 (DIN EN 1627)	Klasse RC 2 (WK2) Class RC 2 (WK2)
Luftdurchlässigkeit nach DIN EN 12207 Air permeability in accordance with DIN EN 12207	Klasse 4 Class 4
Schlagregendichtheit nach DIN EN 12208 Watertightness in accordance with DIN EN 12208	Klasse E750 Class E750
Windlastwiderstand nach DIN EN 12210 Wind load resistance in accordance with DIN EN 12210	Klasse C3 / B3 Class C3 / B3

* Die Angaben beschreiben die Bestwerte des Gesamtsystems bei innen als auch außen öffnenden Ausführungen. Die Eigenschaften einer jeweils gewählten Ausführungsvariante oder Elementkombination sind im Einzelfall anhand der ausführlichen Prüfdokumentation zu bestimmen.

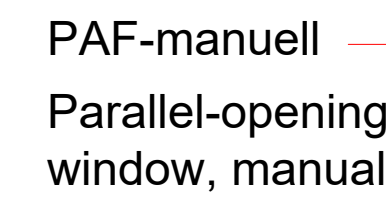
The information describes the optimum values of the entire system for both inward and outward-opening designs.

The properties of a selected design option or unit combination have to be determined individually based on the comprehensive test documentation.

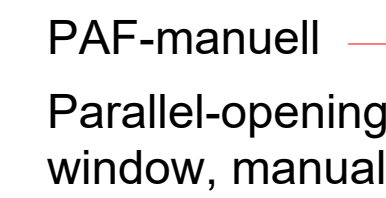
- double-leaf



Riva AWS 114.SI manual insert unit



Riva AWS 114.SI mechatronic insert unit

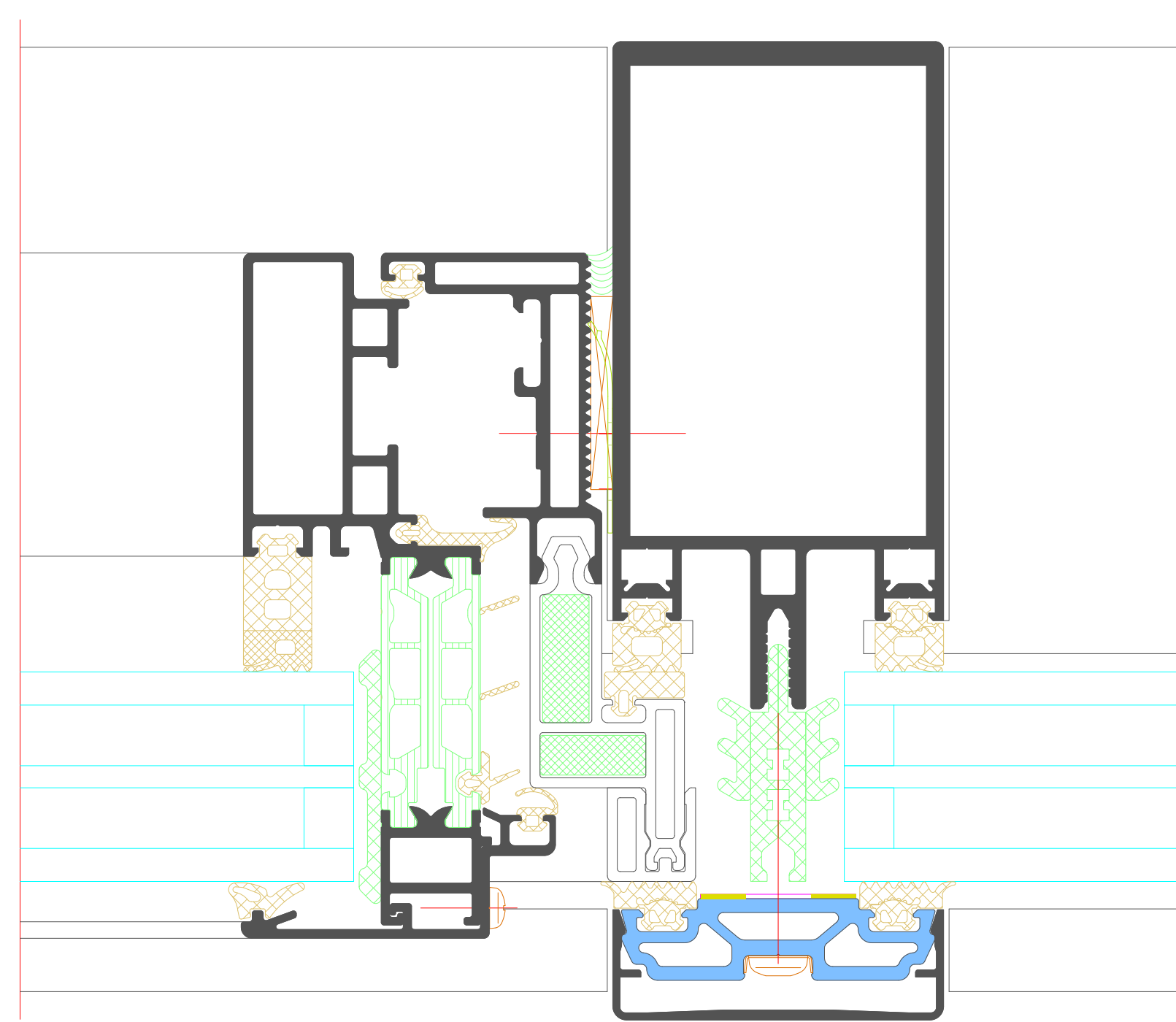
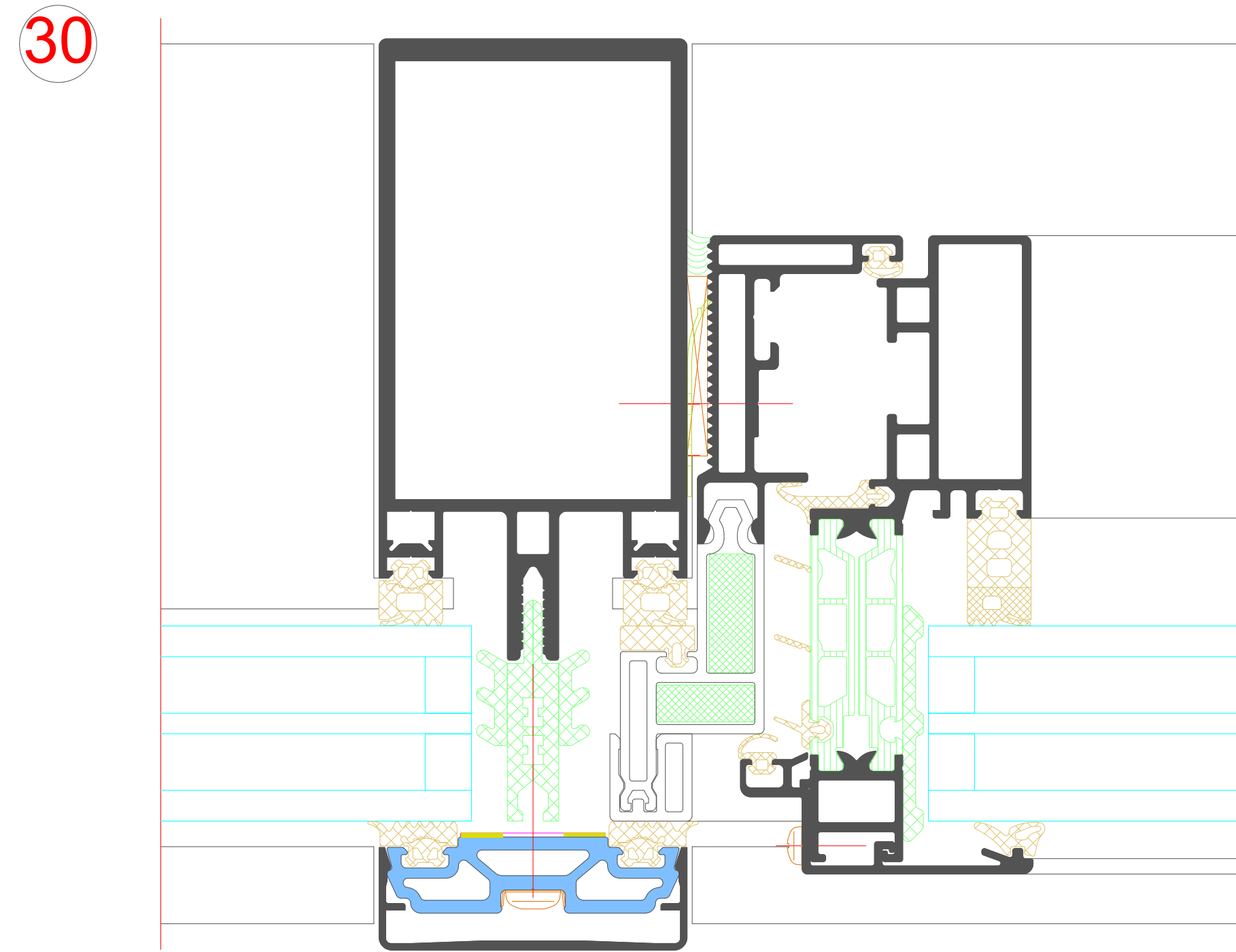
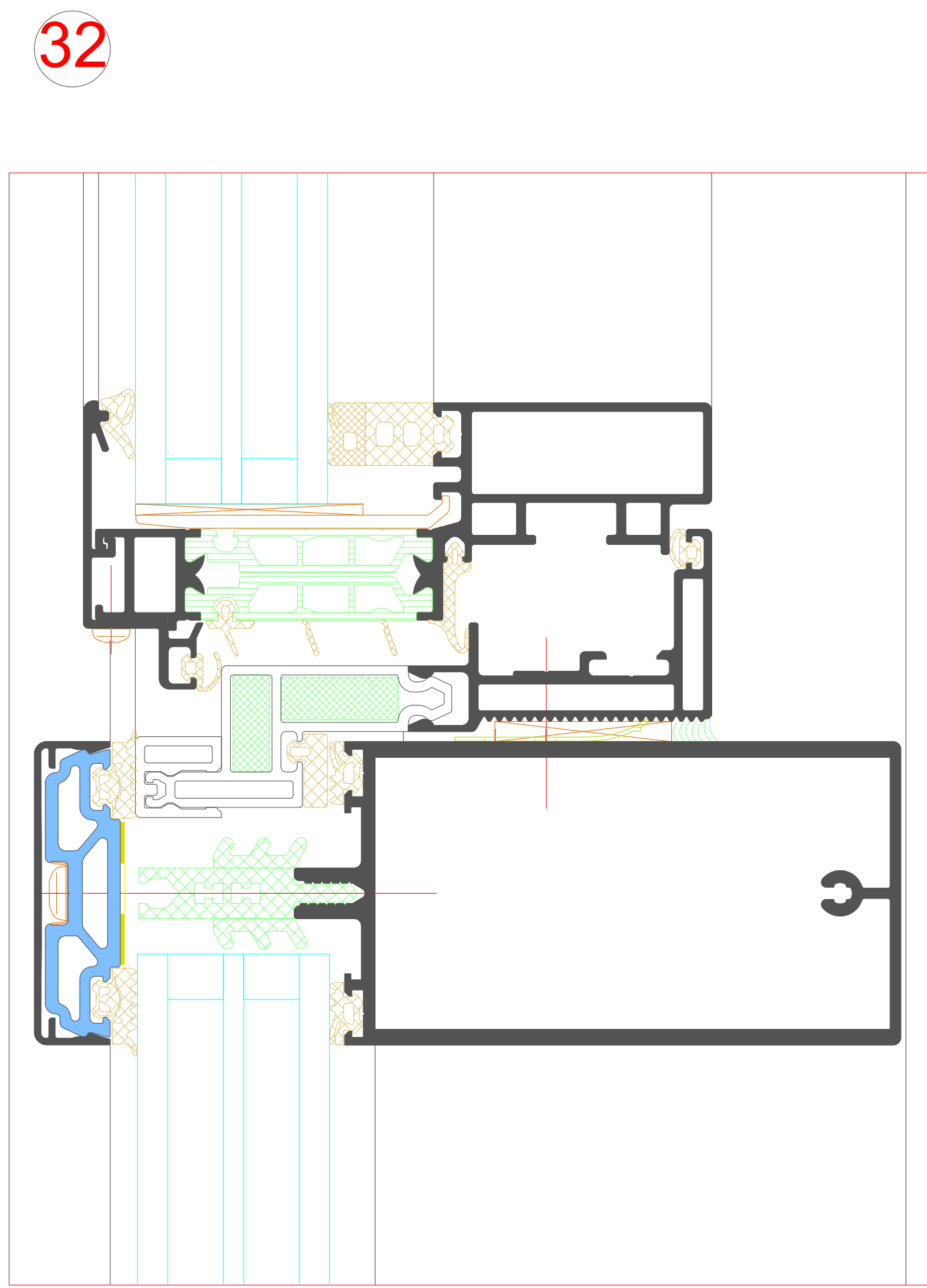
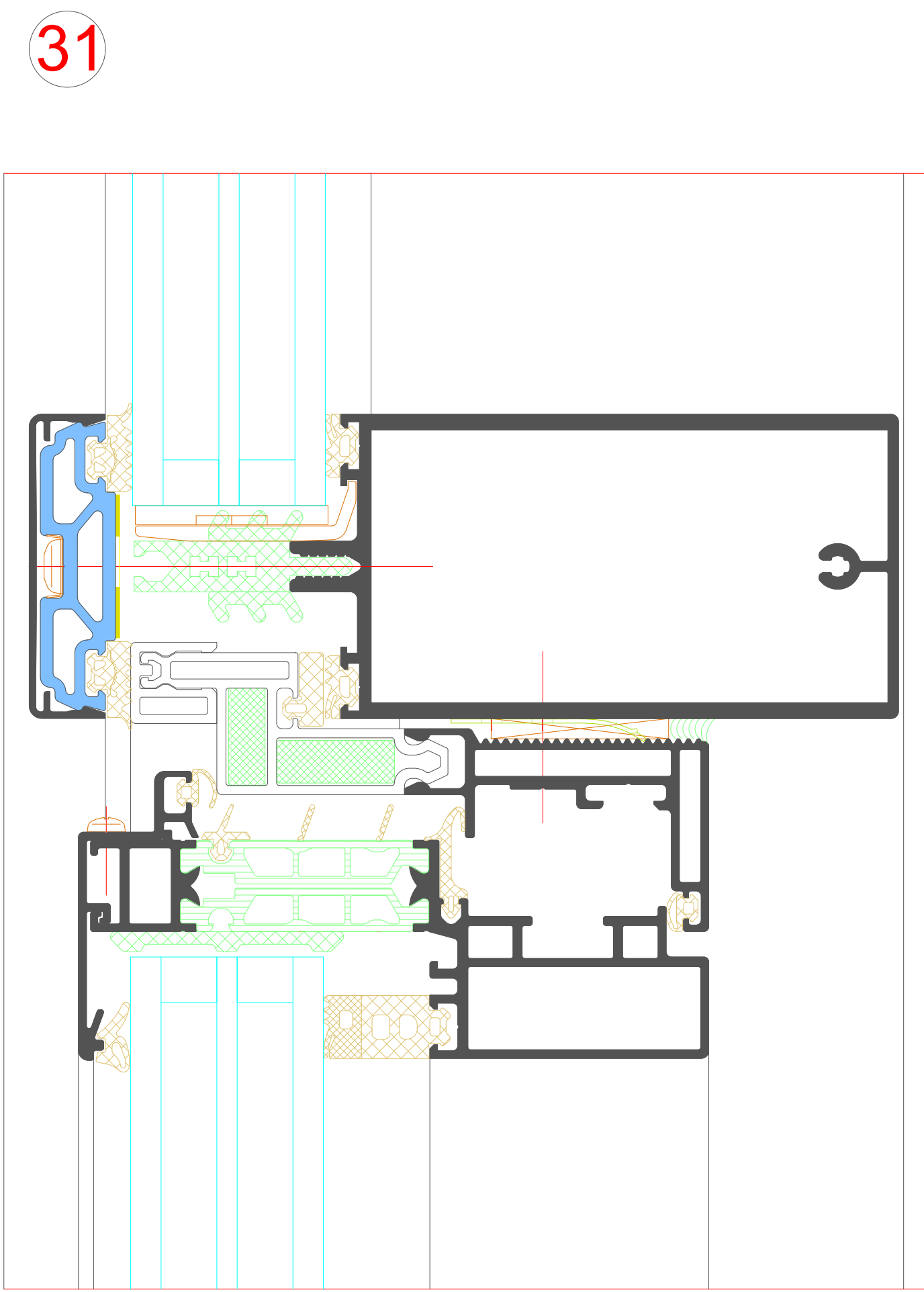
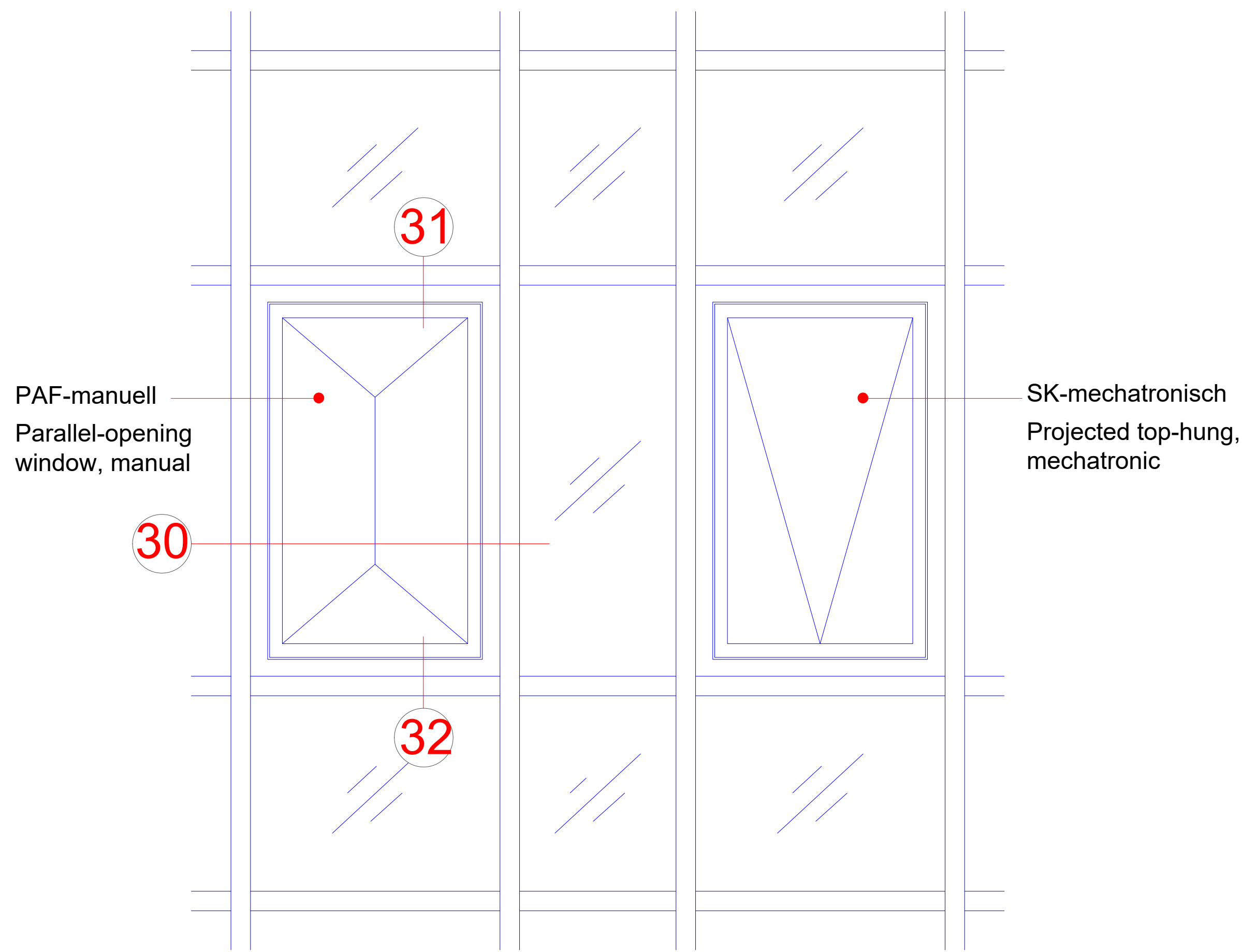


Prüfungen und Normen **

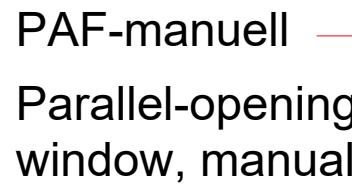
Wärmedämmung nach DIN EN ISO 1077-2	Uf = 1,4 W/(m²K)
Thermal insulation in accordance with DIN EN ISO 1077-2	
Schalldämmung nach DIN EN ISO 140-3	bis Rw 47 dB
Sound reduction in accordance with DIN EN ISO 140-3	Up to Rw 47 dB
Einbruchhemmung nach DIN V ENV 1627	Klasse WK2 (RC 2)
Burglar resistance in accordance with DIN V ENV 1627	Class WK2 (RC 2)
Luftdurchlässigkeit nach DIN EN 12207	Klasse 3-4
Air permeability in accordance with DIN EN 12207	Class 3-4
Schlagregendichtheit nach DIN EN 12208	Klasse E 1200
Watertightness in accordance with DIN EN 12208	Class E 1200
Windlastwiderstand nach DIN EN 12210	Klasse C5/B5
Wind load resistance in accordance with DIN EN 12210	Class C5 / B5
Mechanische Beanspruchung nach DIN EN 13115	Klasse 4
Mechanical loading in accordance with DIN EN 13115	Class 4
Dauerfunktion nach DIN EN 12400	Klasse 3
Durability in accordance with DIN EN 12400	Class 3

- * Durchbiegungsverhalten profilabhängig
The amount of deflection will depend on the profile
- ** Die Angaben beschreiben die Bestwerte des Gesamtsystems.
Die Eigenschaften einer jeweils gewählten Ausführungsvariante oder Elementkombination sind im Einzelfall anhand der ausführlichen Prüfdokumentation zu bestimmen.
The information describes the optimum values of the entire system.
The properties of a selected design option or unit combination have to be determined individually based on the comprehensive test documentation.

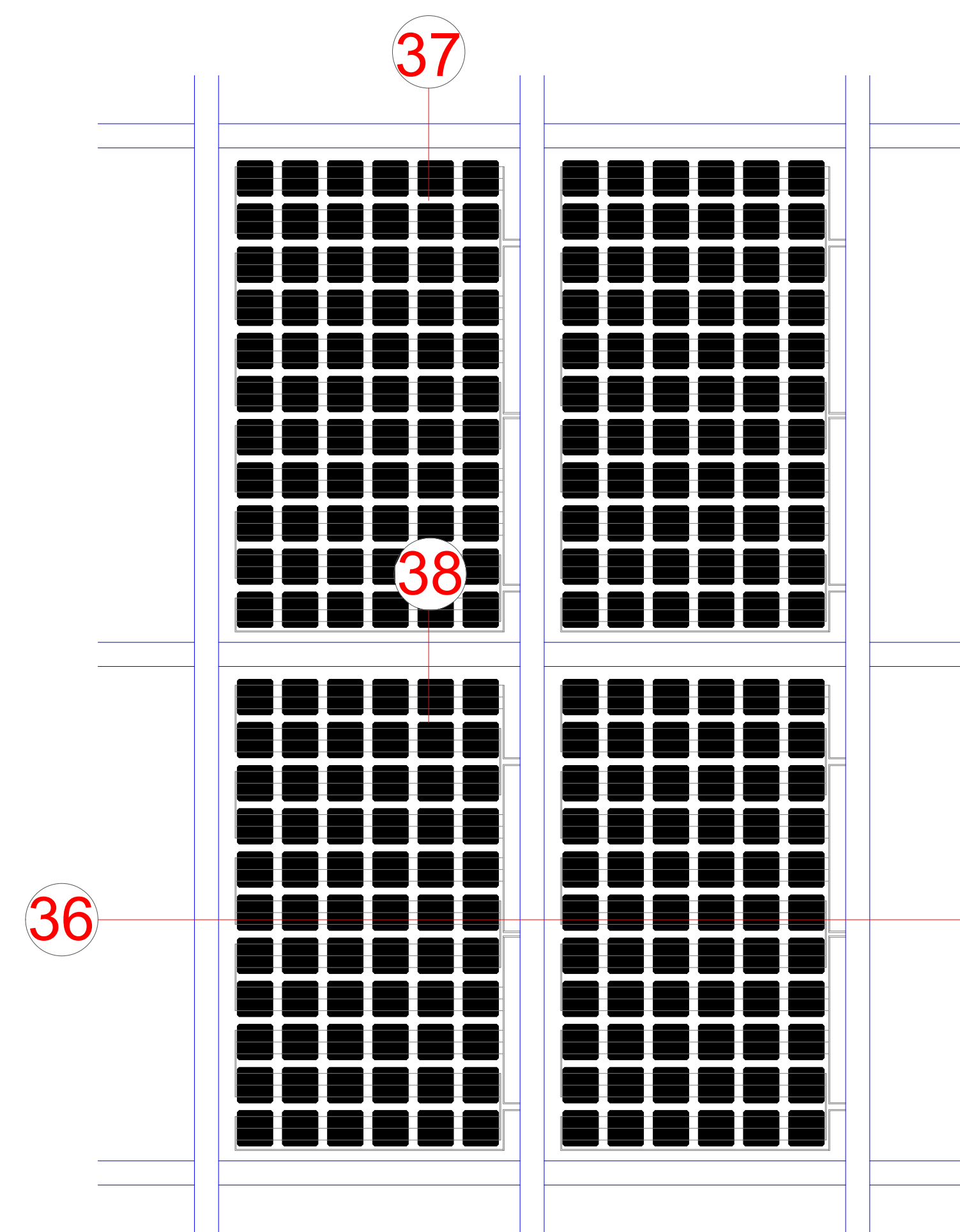
Einsatzelement Riva AWS 114.SI manuell
Riva AWS 114.SI manual insert unit



Einsatzelement Riva AWS 114.SI mechatronisch
Riva AWS 114.SI mechatronic insert unit

[illegible]

BIPV-Modul 3-Fach Isolierglas
BIPV module, triple insulating glass

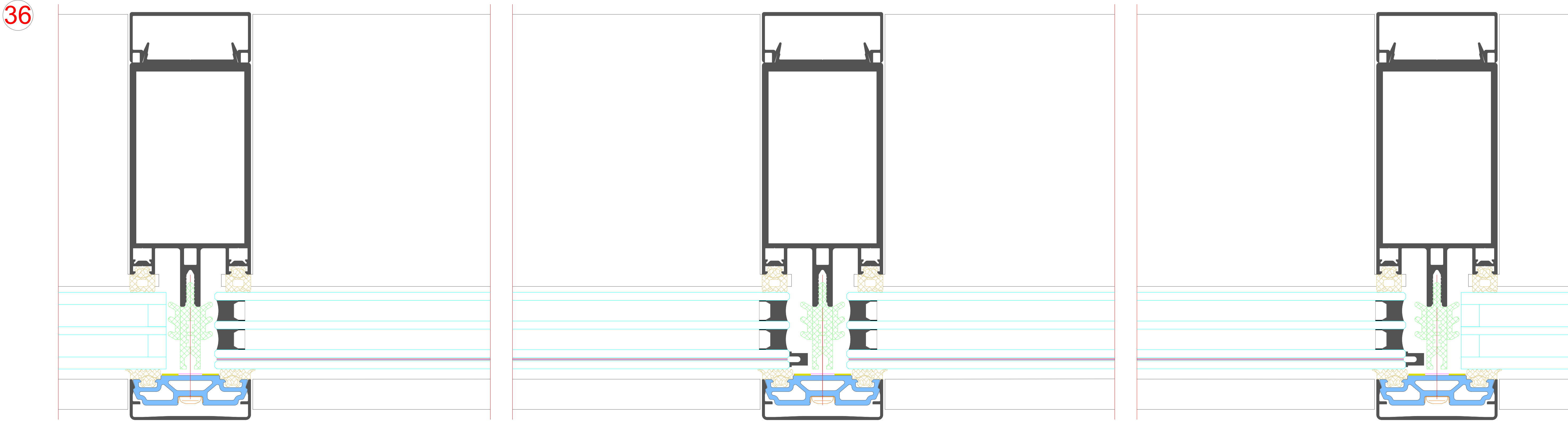
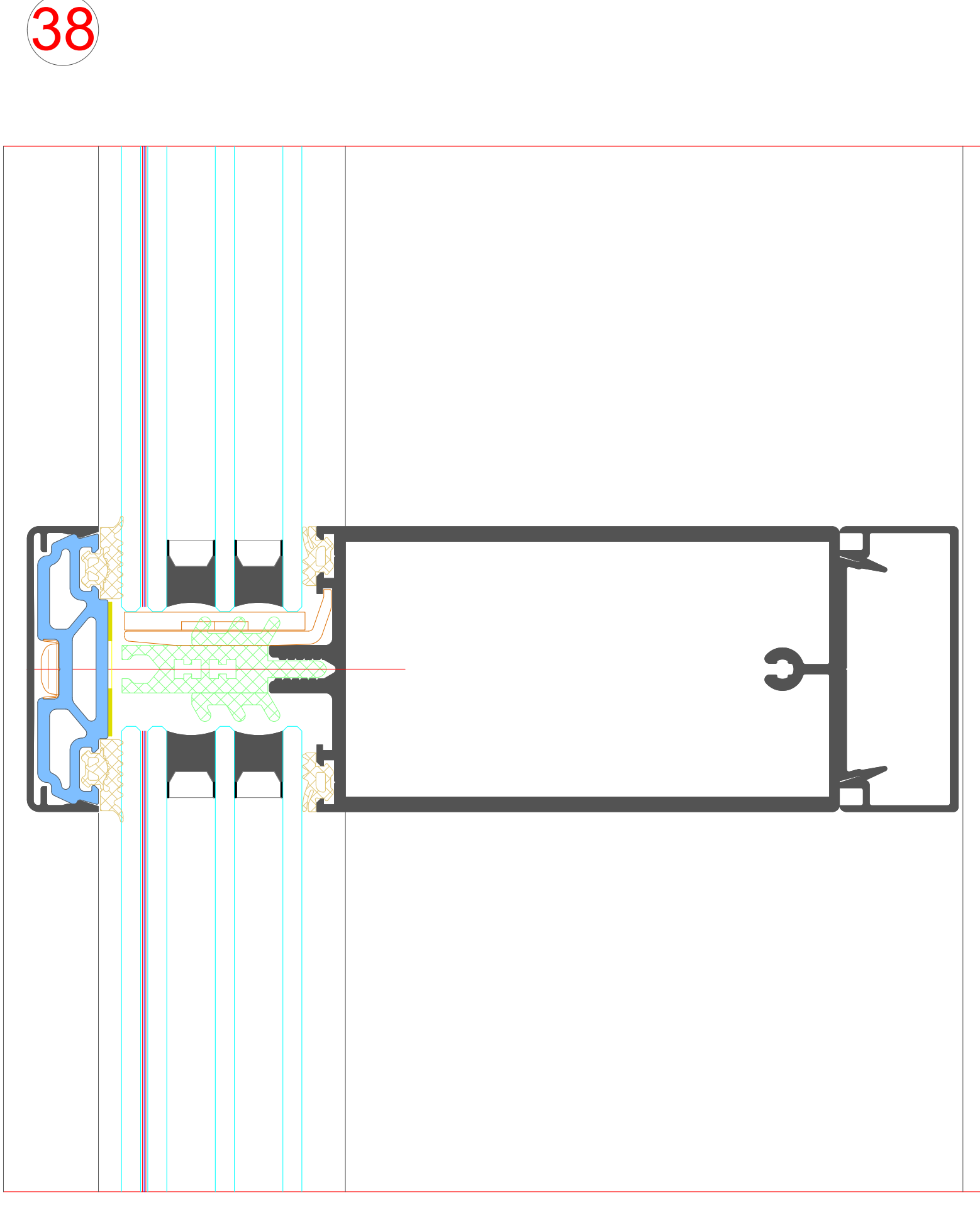
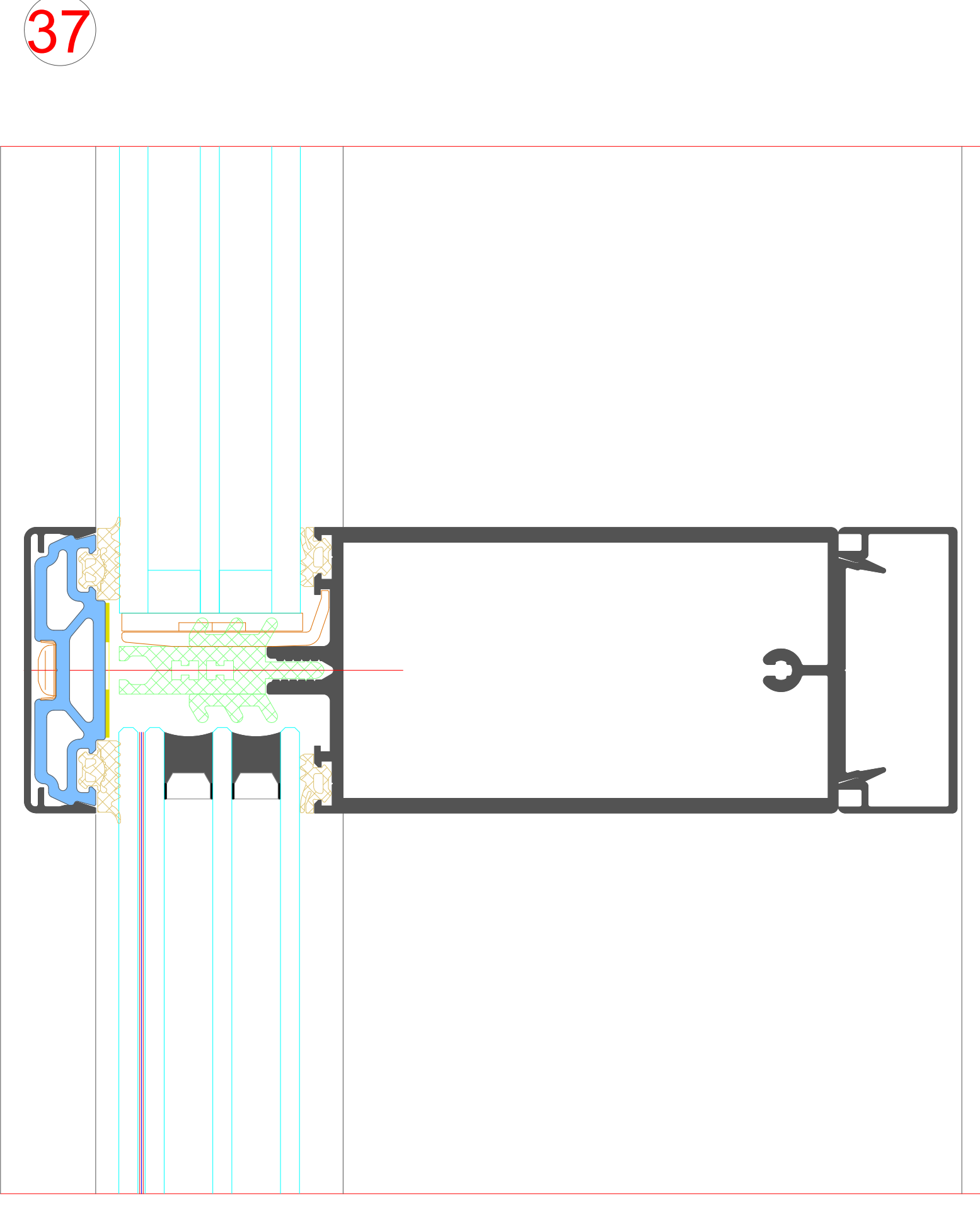
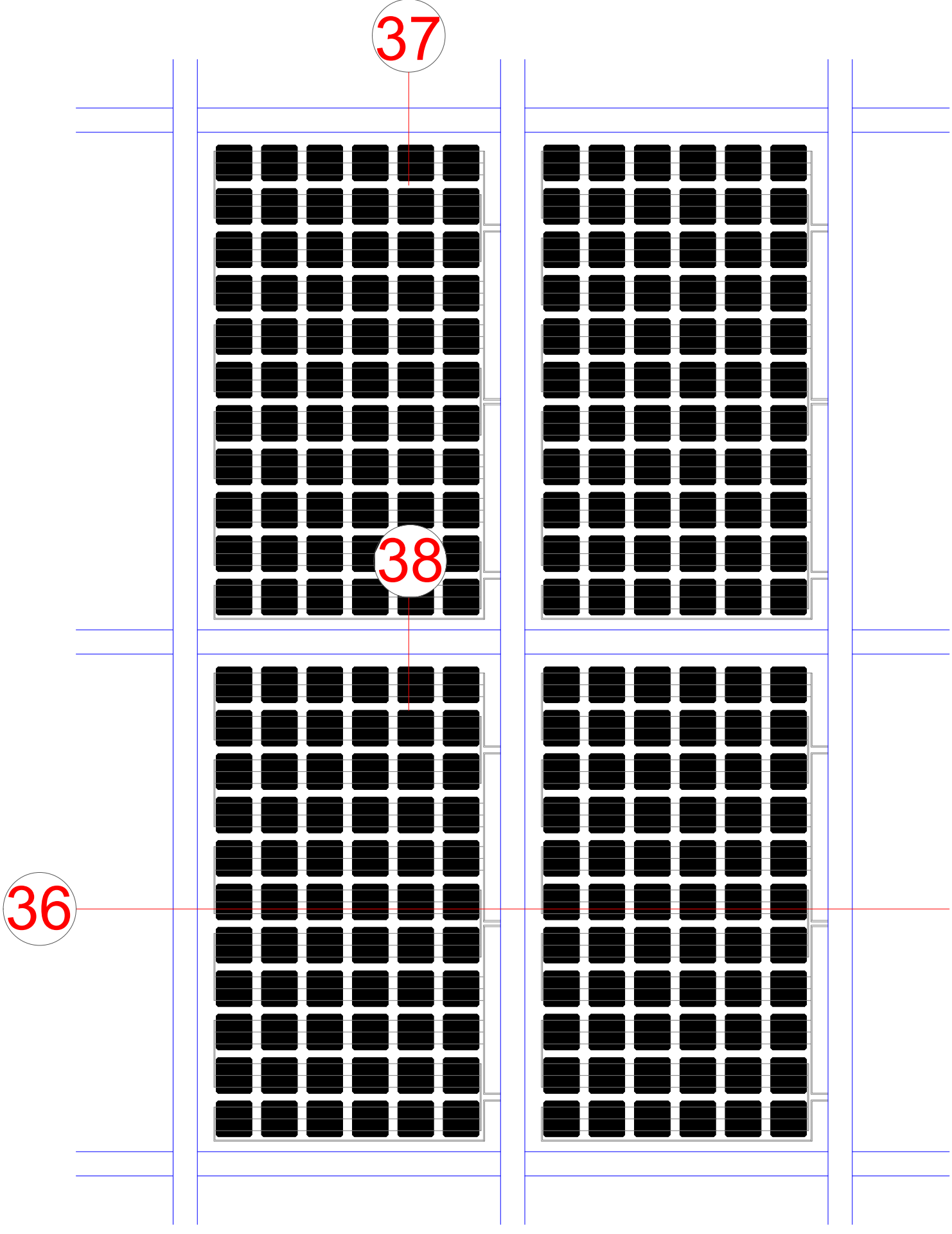


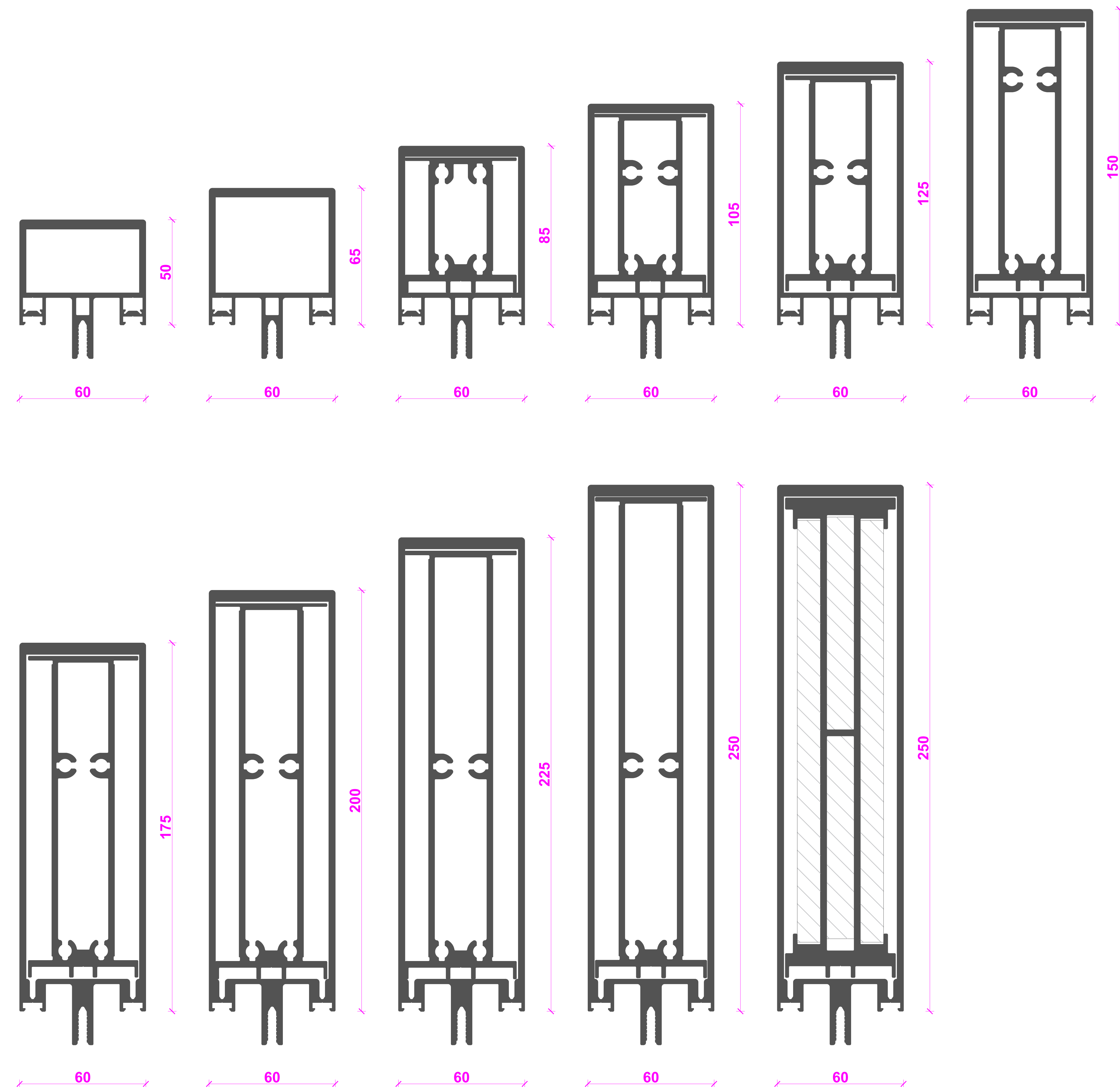
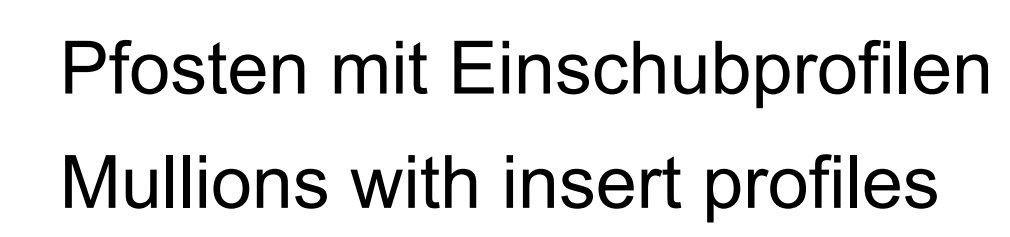
Glas Abmessungen
Glass dimensions
min. 200 x 300mm
max. 2200 x 5000mm

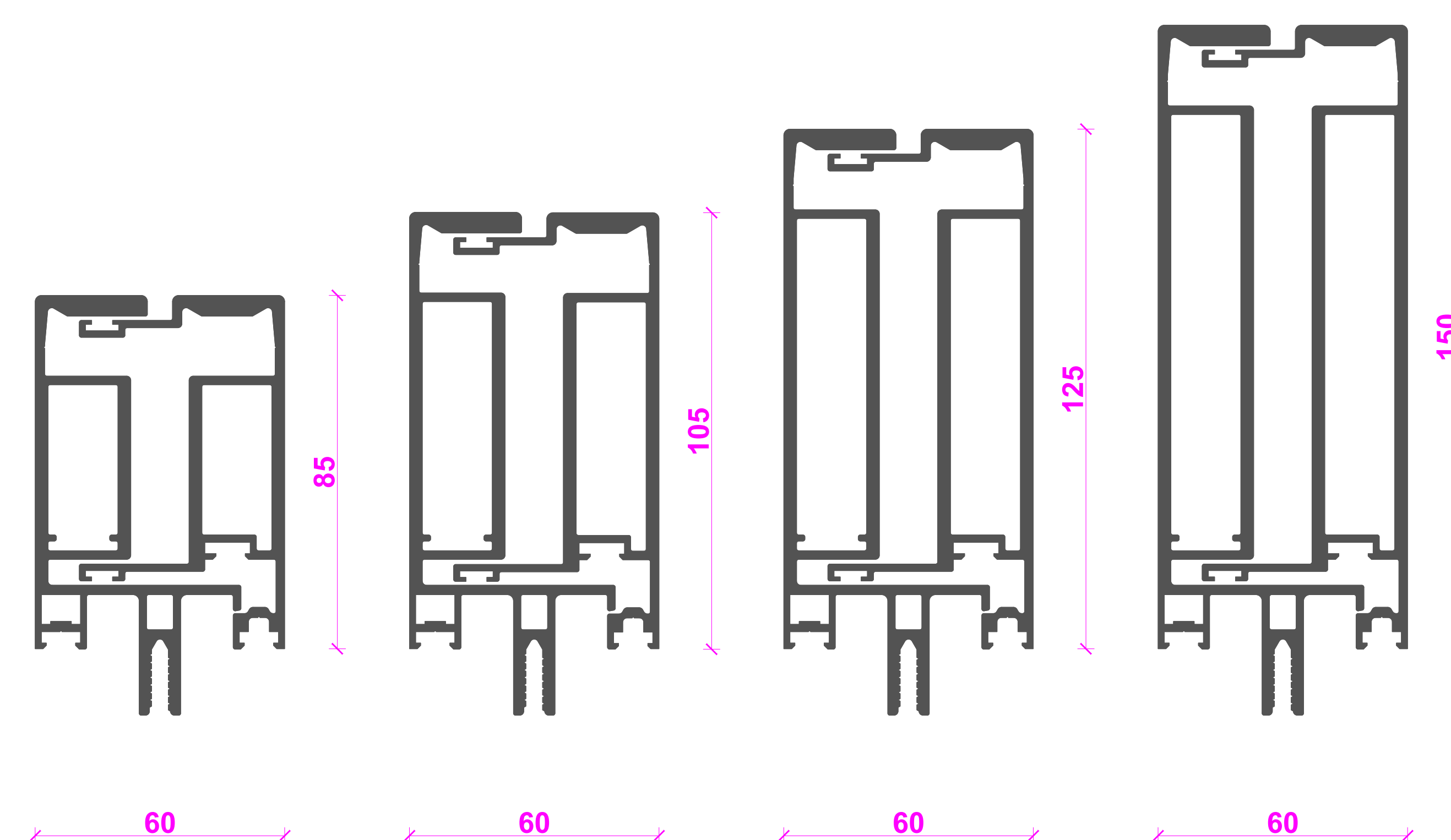
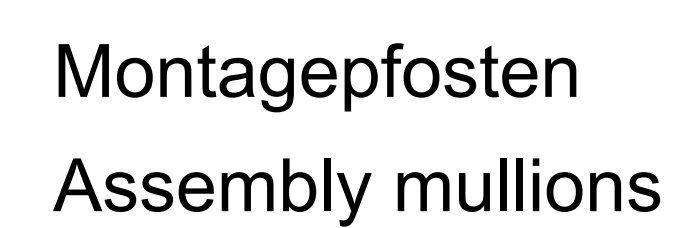
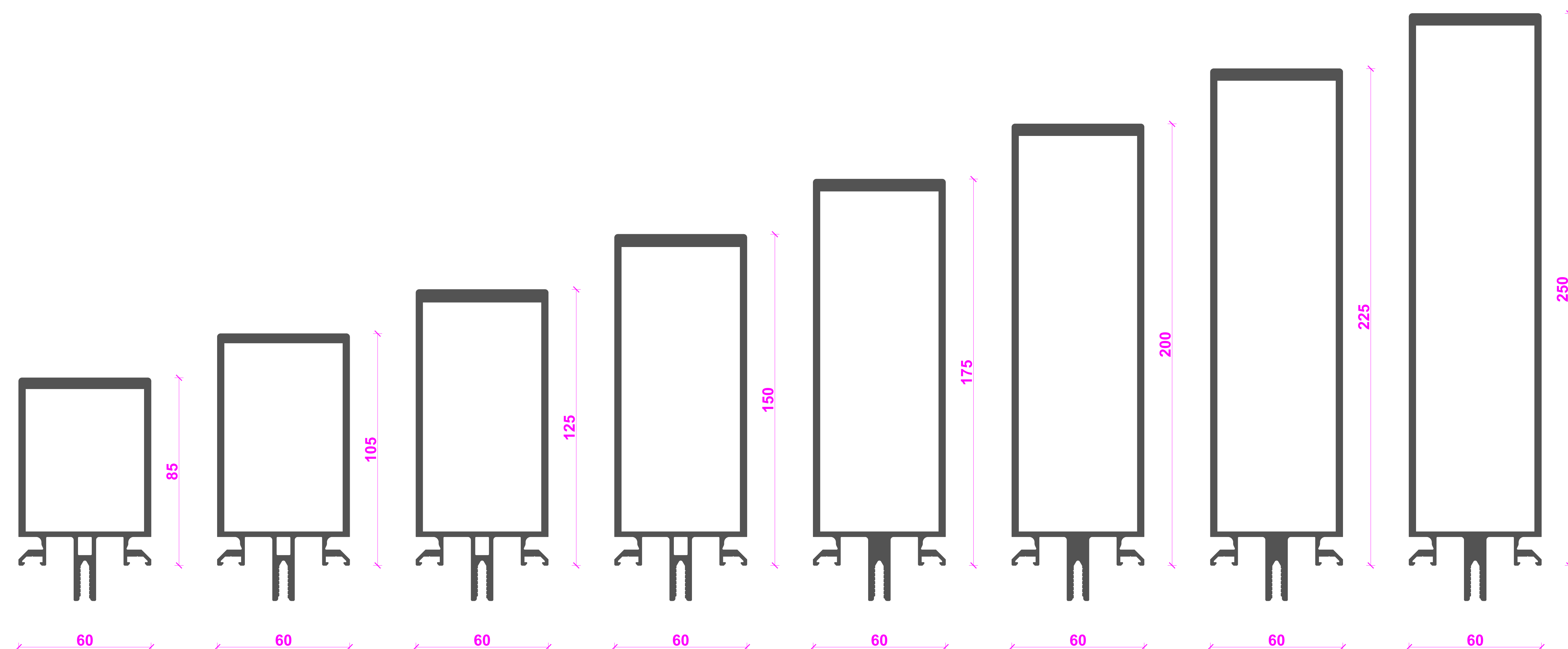
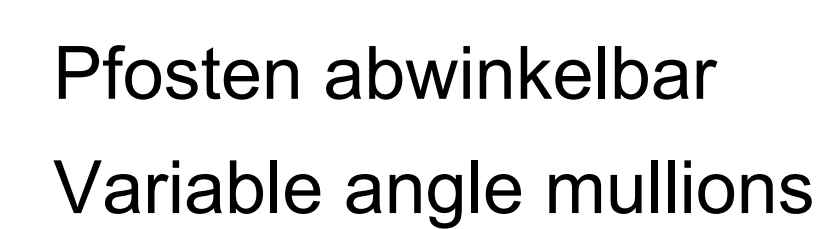
g-Werte in % g values in %		
Zellbelegung Cell configuration	g-Wert * g value	Optische Transparenz Visual transparency
90%	15%	10%
80%	20%	20%
75%	22%	25%
70%	24%	30%
60%	29%	40%
50%	34%	50%
40%	39%	60%
30%	44%	70%

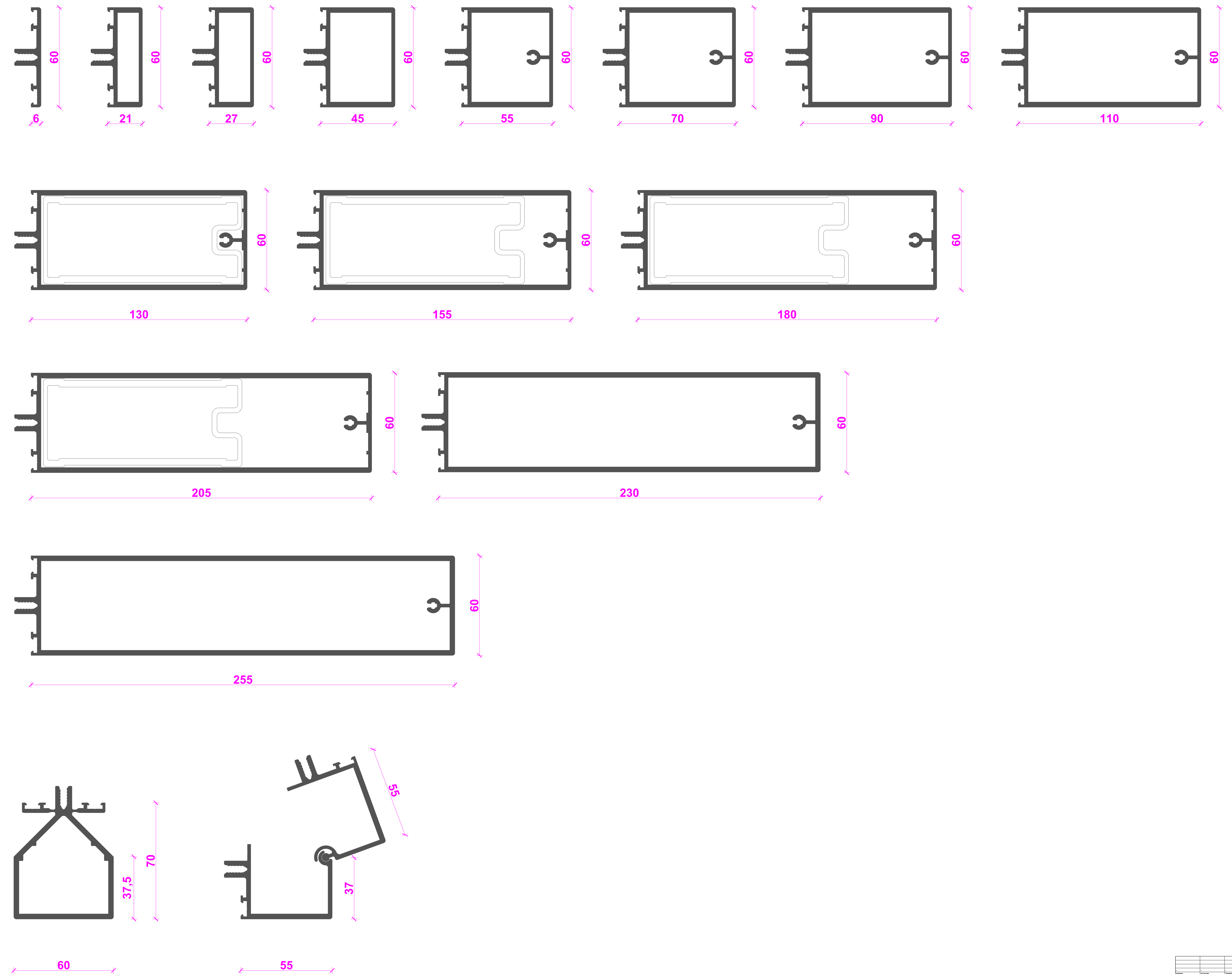
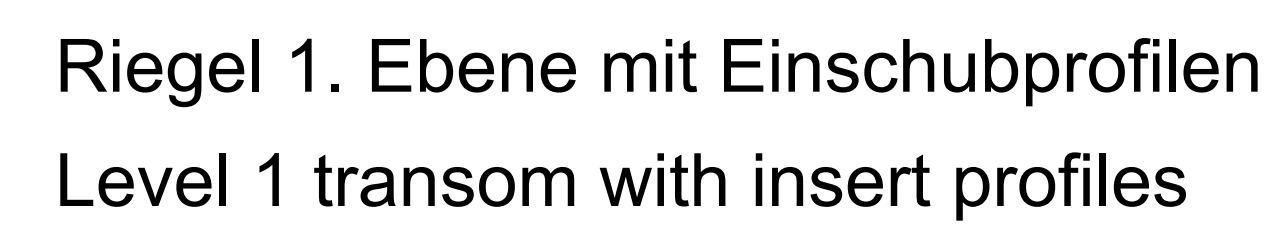
* g-Wert: Der Gesamtenergiedurchlassgrad (g-Wert) ist ein Maß für den Anteil der Sonnenenergie, der durch die Verglasung von außen nach innen dringt.
g value: The overall energy transmission level (g value) measures the proportion of solar energy which passes through the glazing from outside to inside.

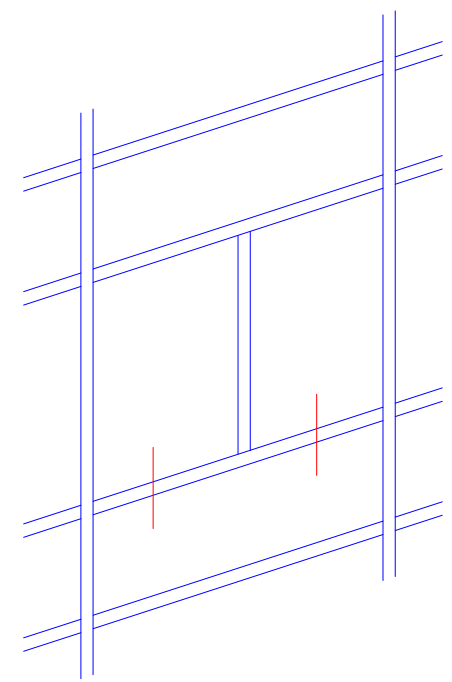
BIPV module, triple insulating glass



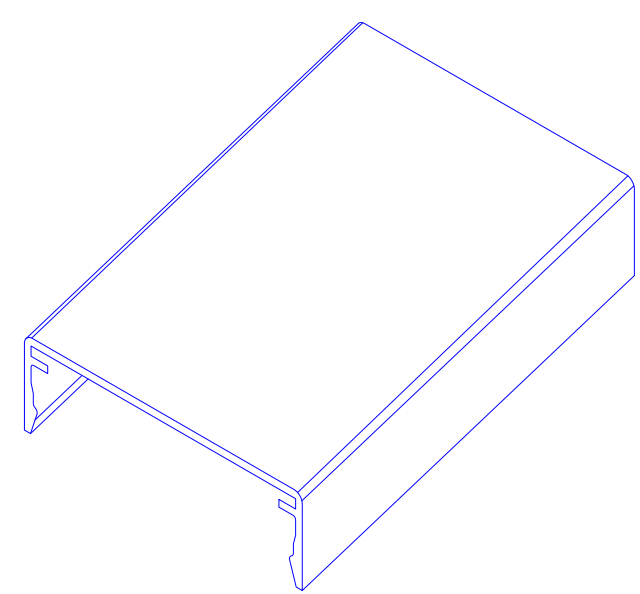
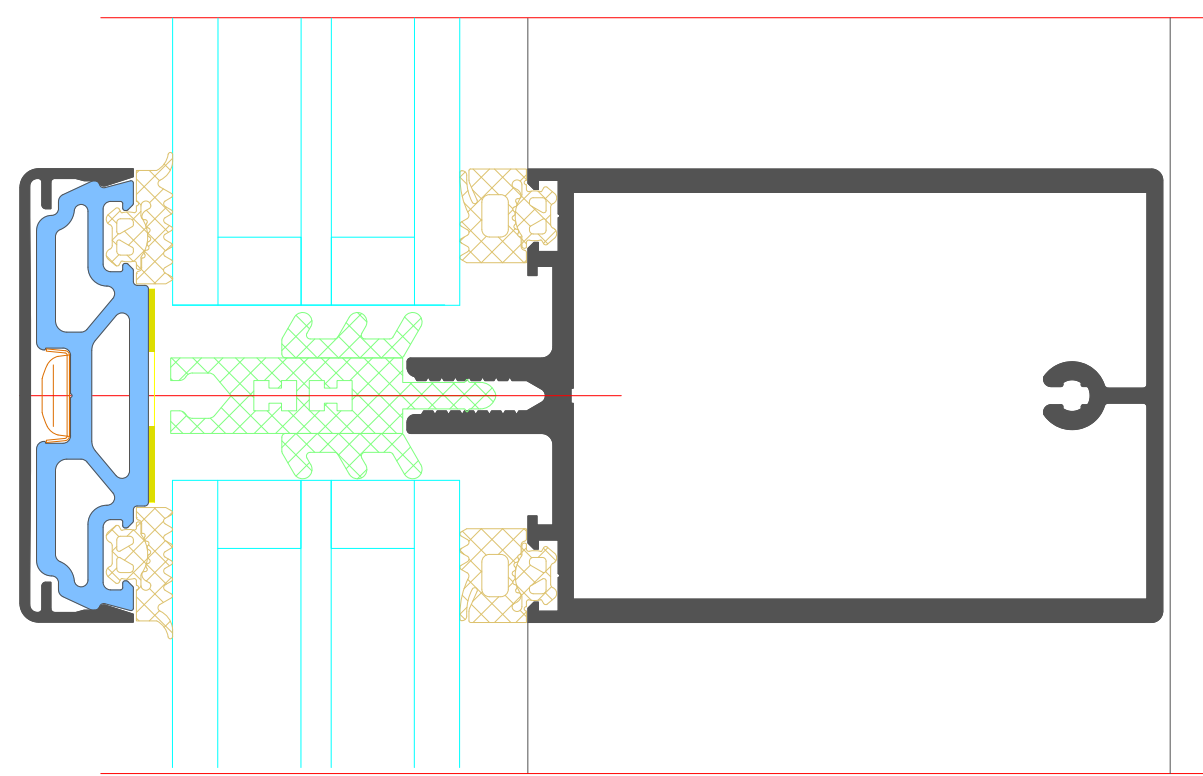


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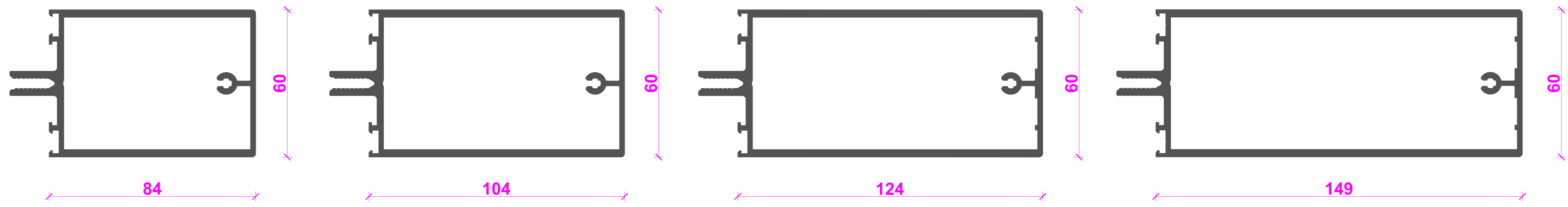
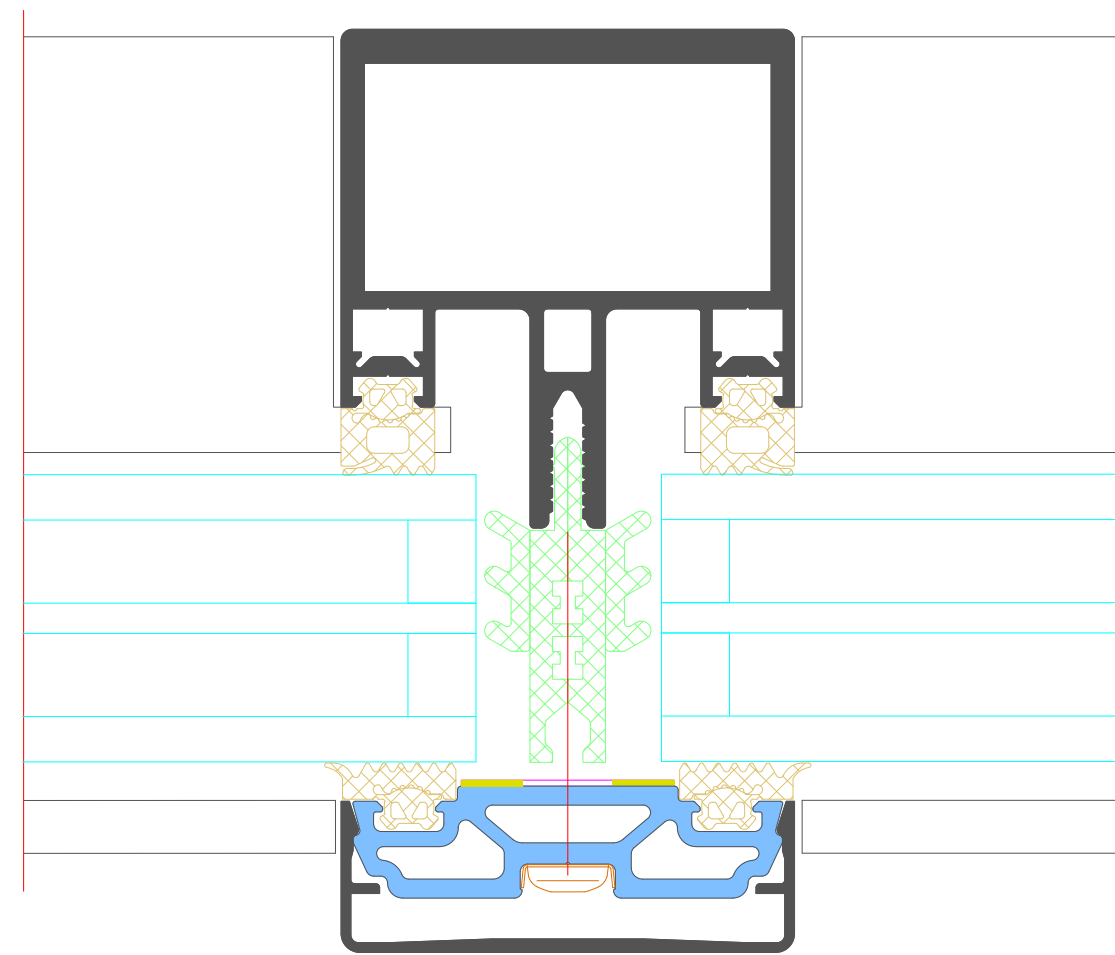




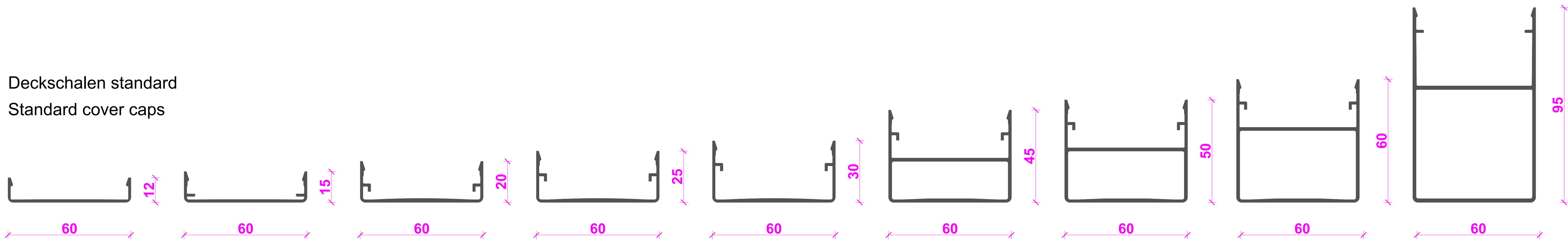
Riegel 2. Ebene
Level 2 transom



Deckschalen
Cover caps



Deckschalen standard
Standard cover caps



Sonderdeckschalen
Special cover caps

