

Walmdach
Hipped roof

A 3D perspective diagram of a hipped roof structure. The roof is shown with a grid of rafters and a layer of tiles. Five numbered labels are placed on the roof surface: 1 is at the ridge, 2 is on the slope, 3 is at the eave, 4 is on the slope, and 5 is at the ridge. The labels are in red circles with red lines pointing to the corresponding parts of the roof.

A 3D perspective view of a roof structure, showing the underside of the roof panels. The structure is composed of several rectangular panels meeting at a central ridge and two side ridges. The panels are supported by a network of trusses and rafters. Numbered labels (6, 7, 8, 9, 10, 11, 12, and 8.1) are placed around the structure, with red lines pointing to specific components: 6 points to a rafter, 7 to a truss, 8 to a rafter, 9 to a truss, 10 to a rafter, 11 to a truss, 12 to a rafter, and 8.1 to a rafter.

Technical information about FWS 50

Prüfungen und Normen ***

Tests and standards

Wärmedämmung nach DIN EN ISO 10077-2 *	Uf = bis 0,70 W/(m²K)
Thermal insulation in accordance with DIN EN ISO 10077-2	Uf = to 0.70 W/(m²K)
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 12154	Klasse RE 1200
Watertightness in accordance with DIN EN 12154	Class RE 1200
Windlastwiderstand nach EN 12179	2,0 kN/m²
Wind load resistance in accordance with EN 12179	3,0 kN/m²
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 U_{cw} eines Vorhangfassadenelements ist gemäß prEN 13947 durchzuführen.

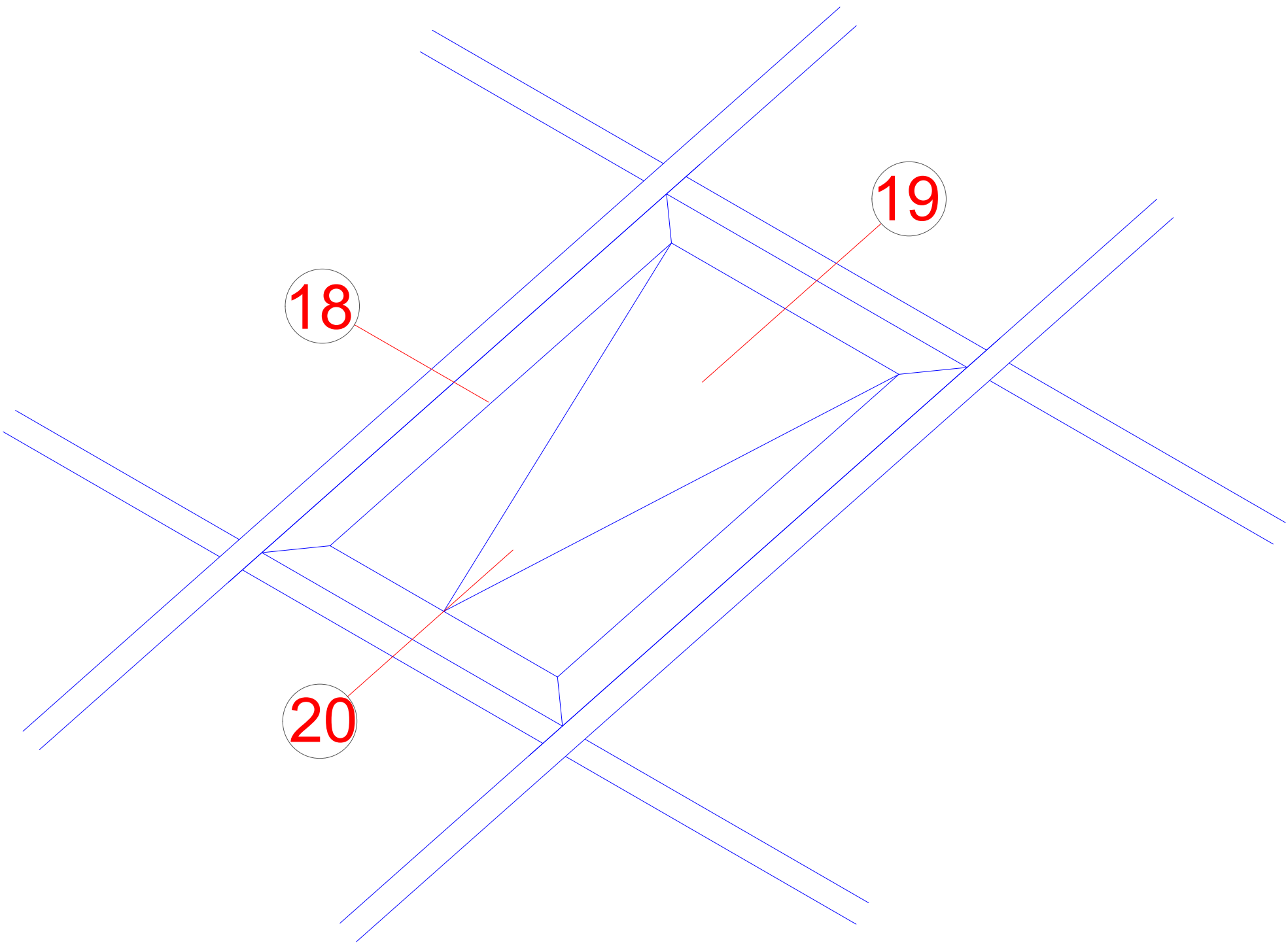
Assessment/calculation of the Ucw thermal transmittance of a curtain wall unit must be carried out in accordance with prEN 13947.

- Object-specific certification – if necessary

*** Die Angaben beschreiben die Bestwerte des Gesamtsystems.
Die Eigenschaften einer jeweils gewählten Ausführungsvariante oder
Elementkombination sind im Einzelfall anhand der ausführenden
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 AWS 57 RO
AWS 57 RO insert unit

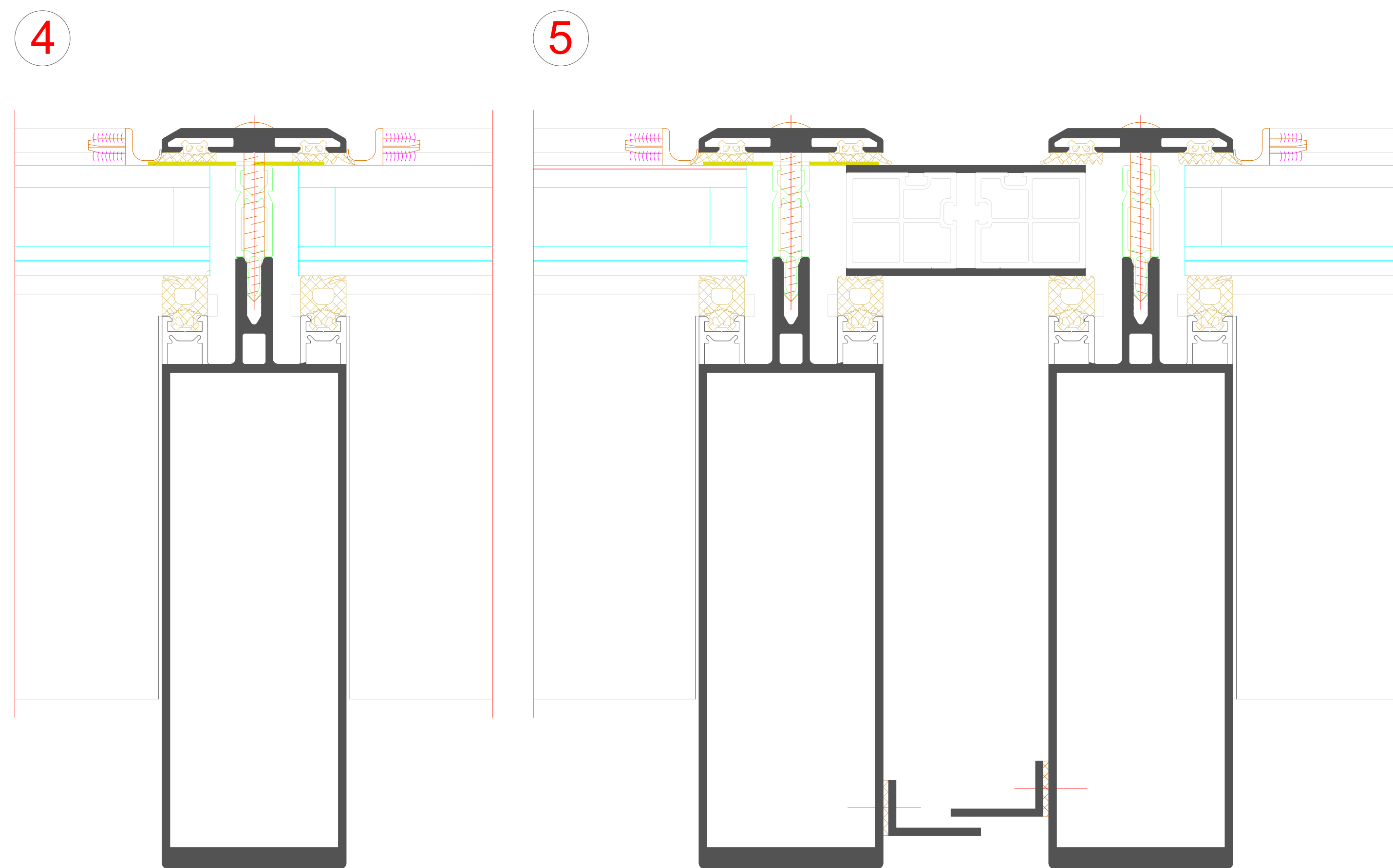
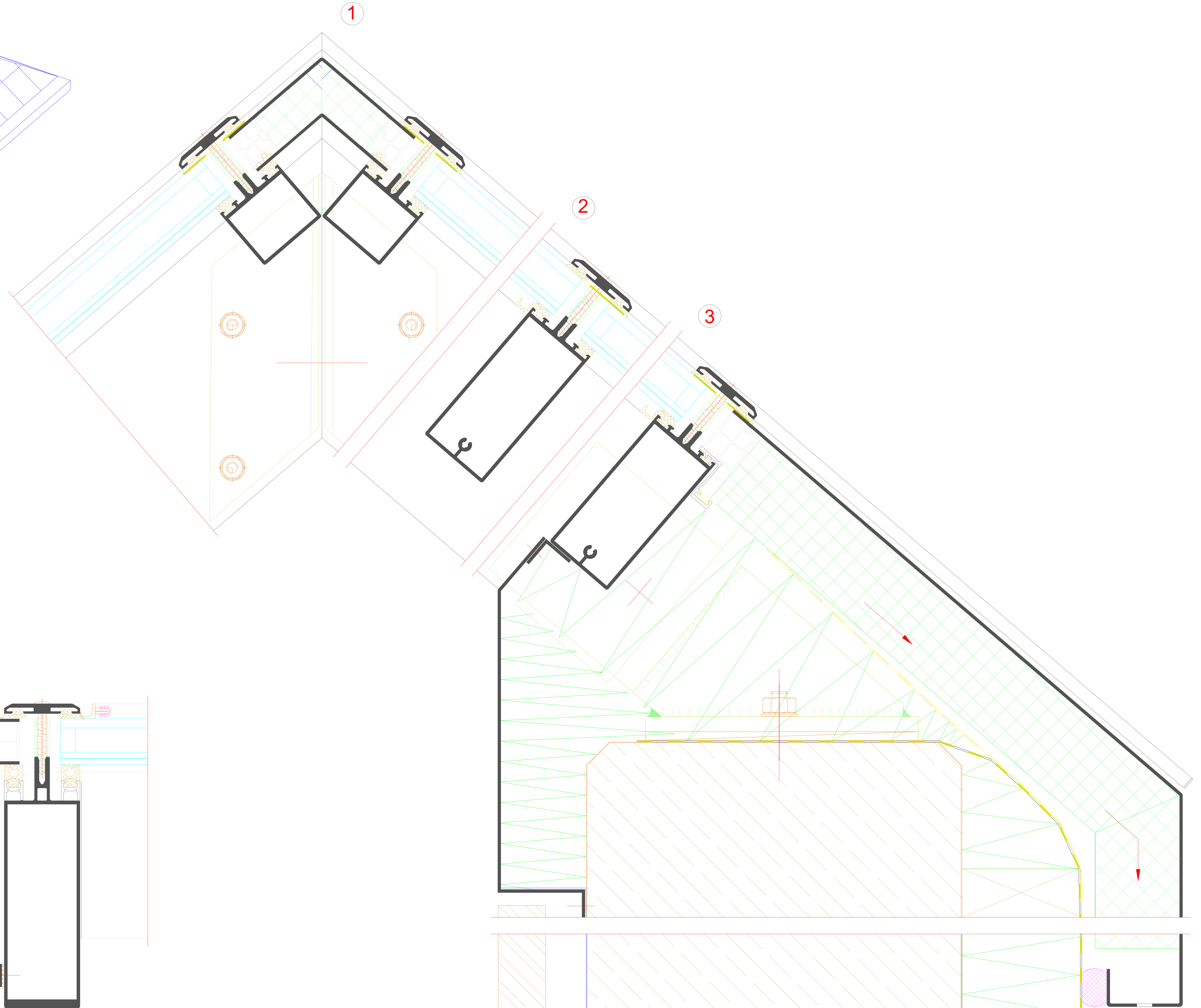


Technische Informationen AWS 57 RO
Technical information about AWS 57 RO

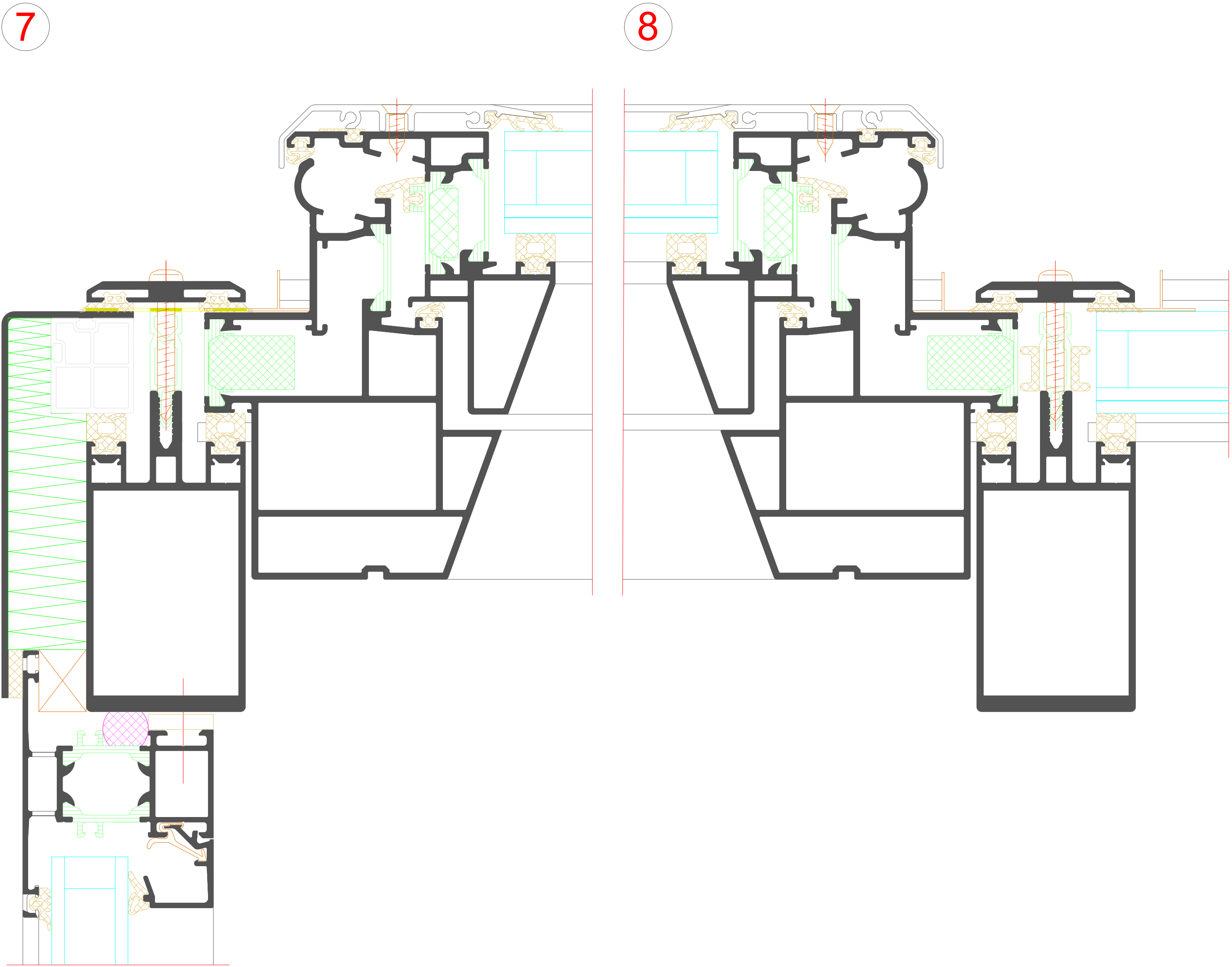
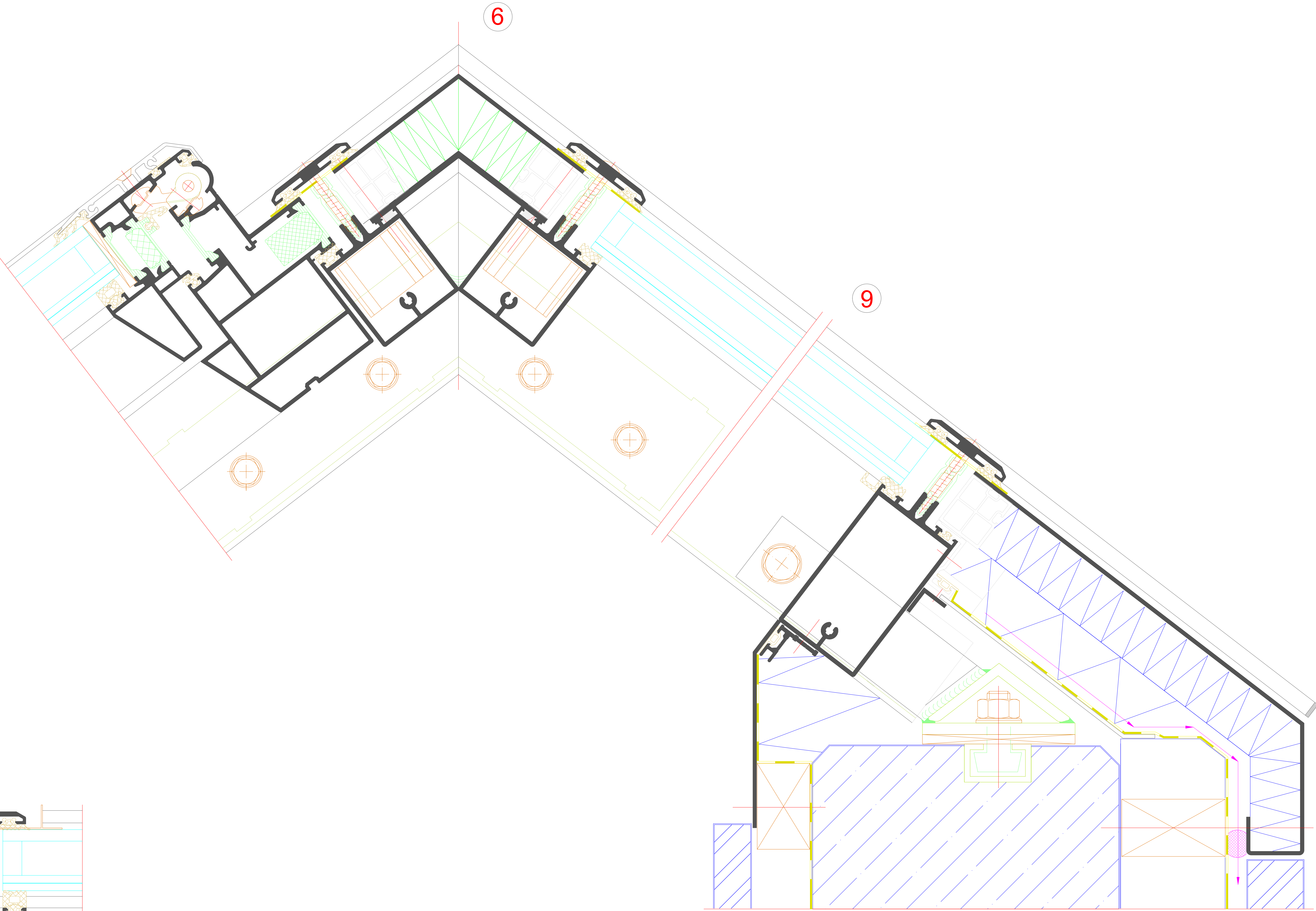
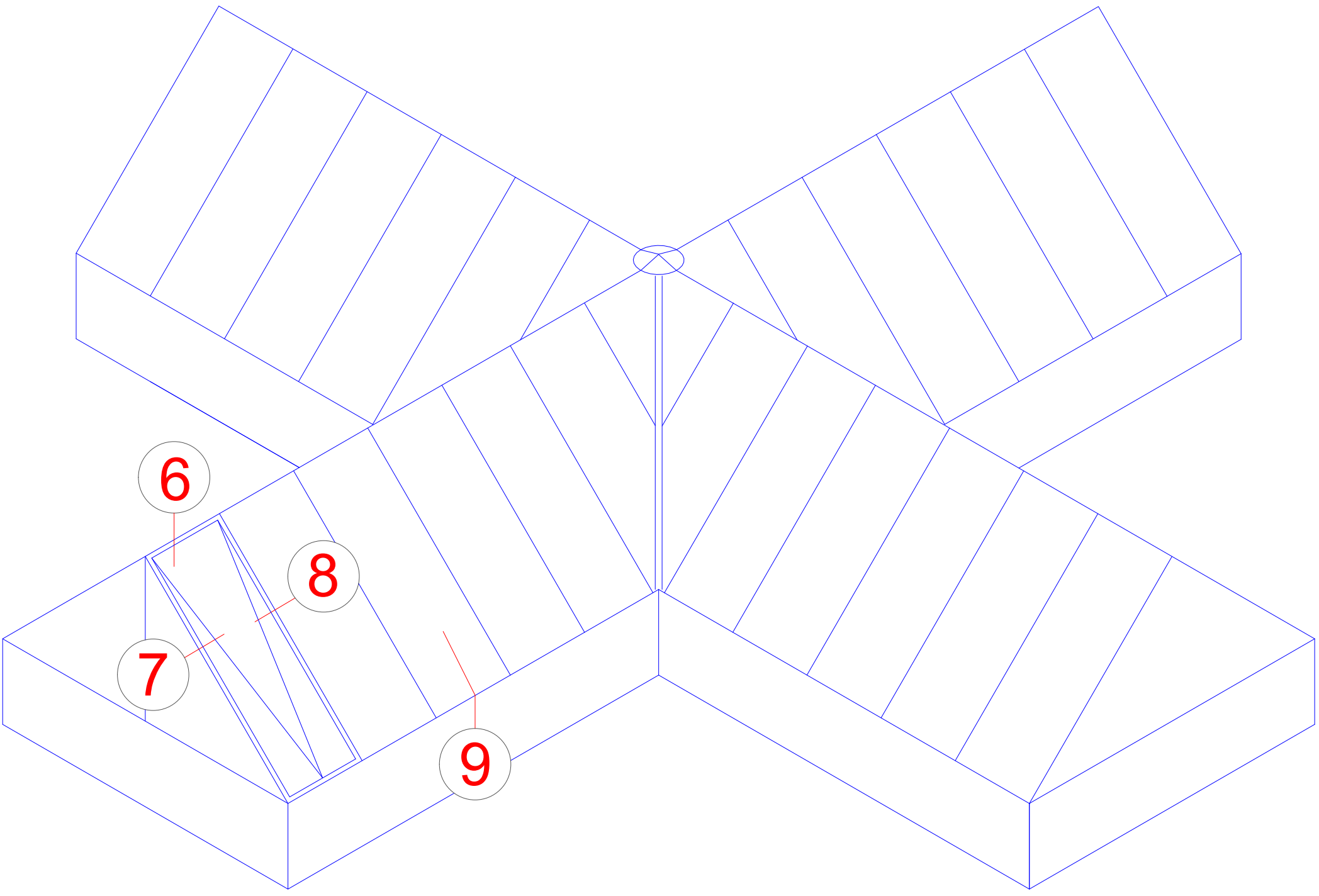
Prüfungen und Normen ** Tests and standards	
Wärmedämmung nach DIN EN ISO 10077-2 Thermal insulation in accordance with DIN EN ISO 10077-2	Uf = 2,98 - 4,2 W/(m²K)
Schalldämmung nach EN ISO 717-1 Sound reduction in accordance with DIN EN ISO 717-1	bis Rw 39 dB Up to Rw 39 dB
Einbruchhemmung nach DIN V ENV 1627 Burglar resistance in accordance with DIN V ENV 1627	Klasse WK2 (RC 2) Class WK2 (RC 2)
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	E1200 E1200
Windlastwiderstand nach DIN EN 12210 * Wind load resistance in accordance with DIN EN 12210	Klasse 5C Class 5C
Dauerfunktion nach DIN EN 12400 Durability in accordance with DIN EN 12400	Klasse 3 Class 3

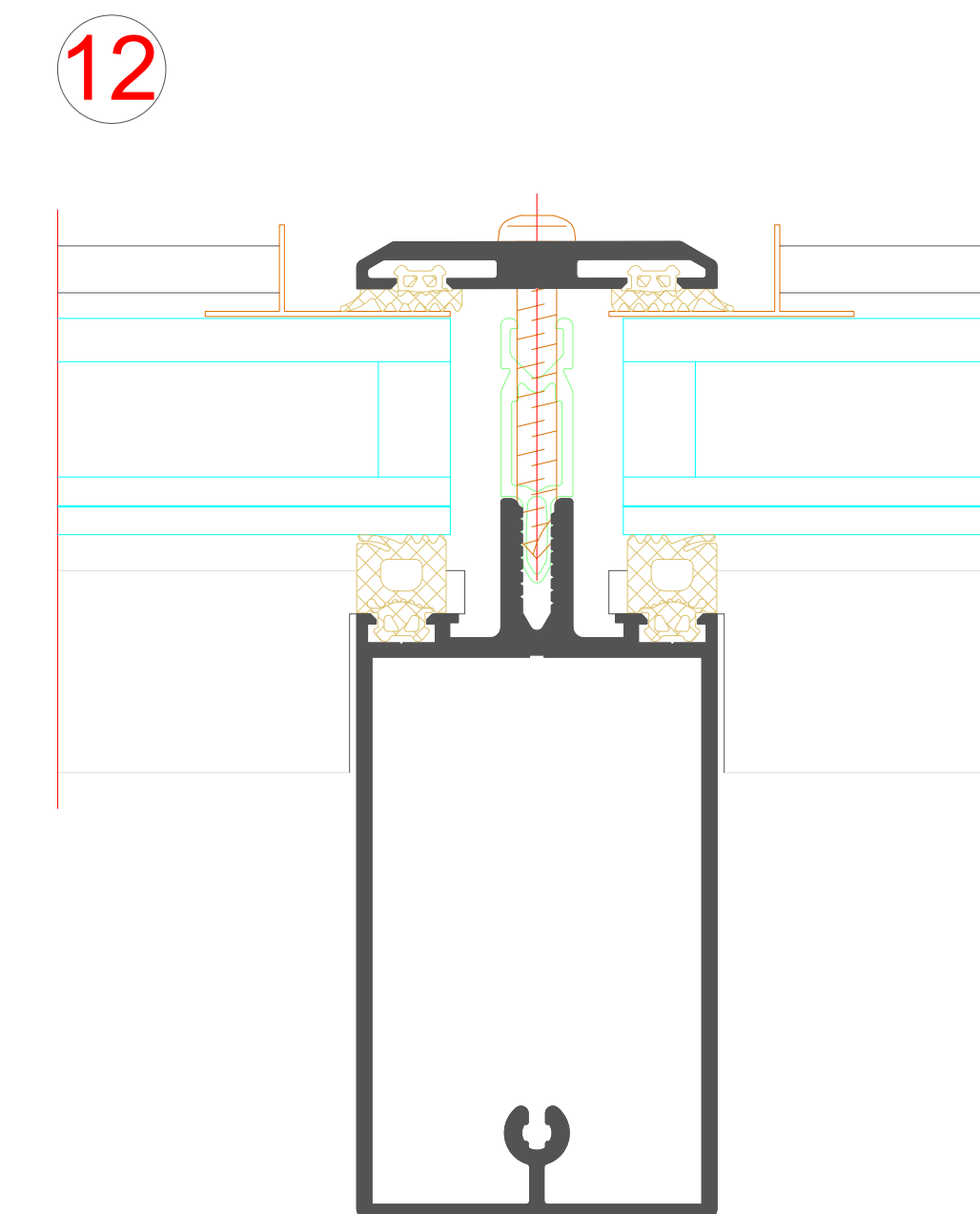
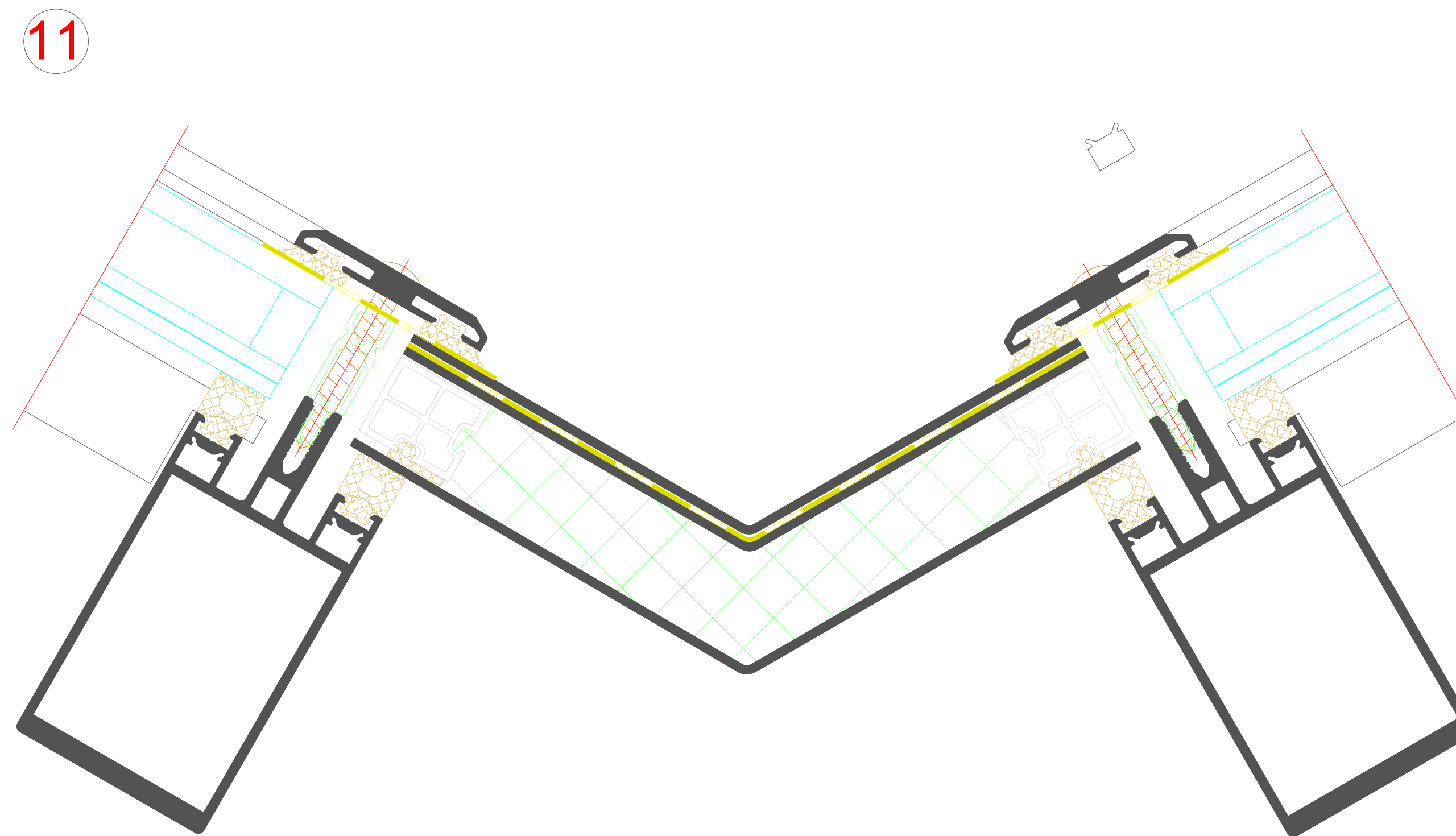
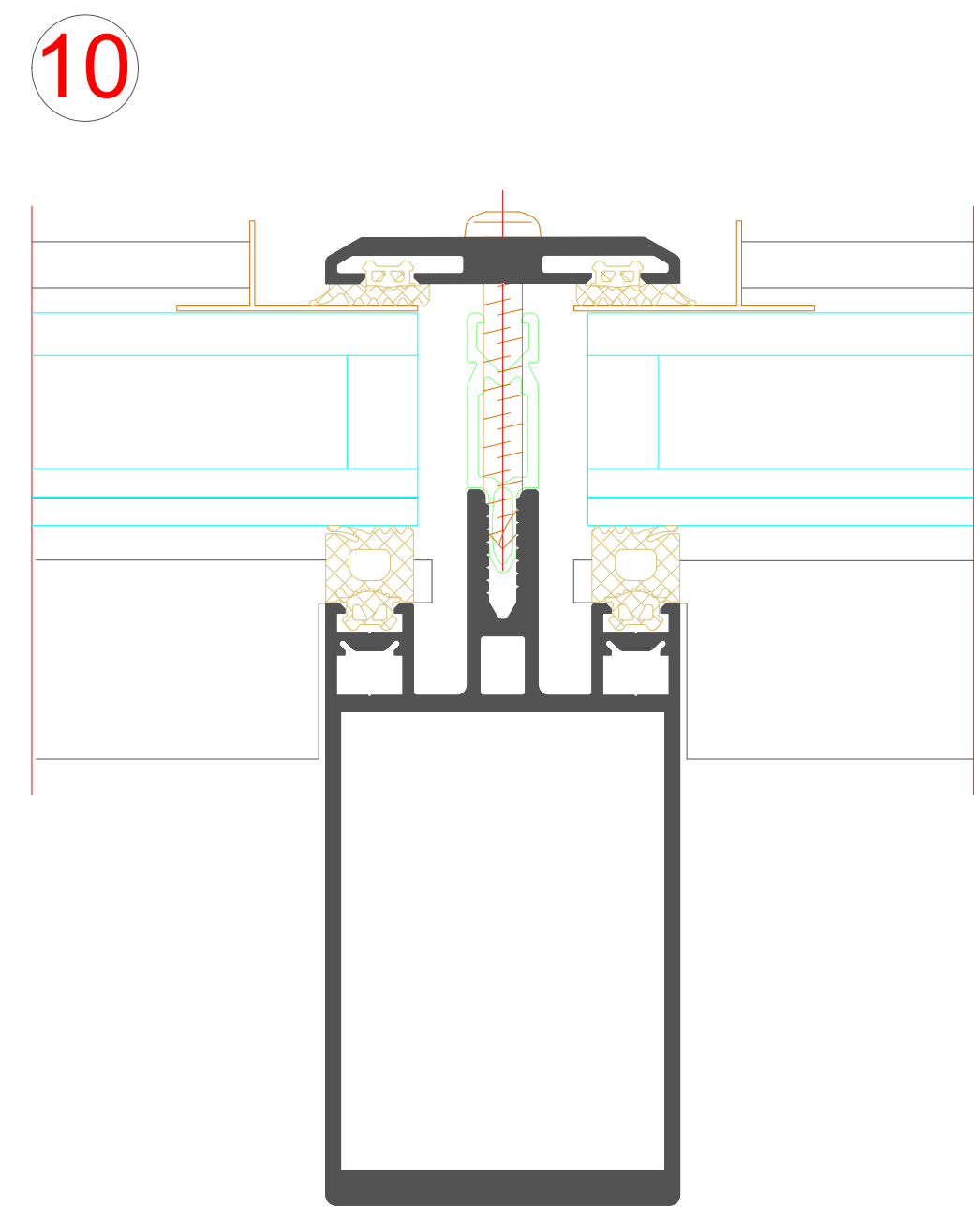
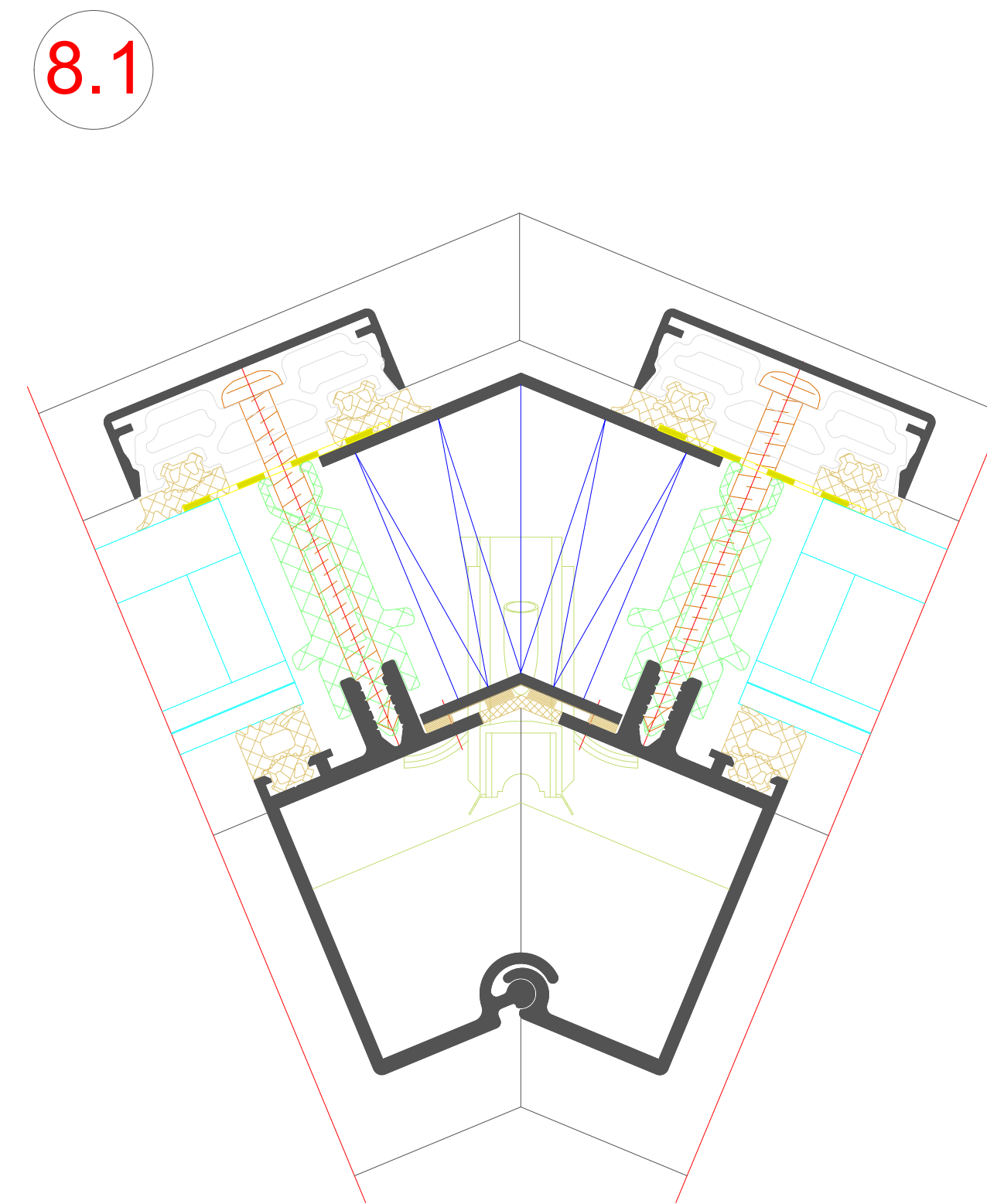
- * Durchbiegungsverhalten profilabhängig
The amount of deflection will depend on the profile
- ** Die Angaben beschreiben die Bestwerte des Gesamtsystems.
Die Eigenschaften einer jeweils gewählten Ausführungsvariante oder Elementkombination sind im Einzelfall anhand der ausführlichen Prüfdokumentation 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.

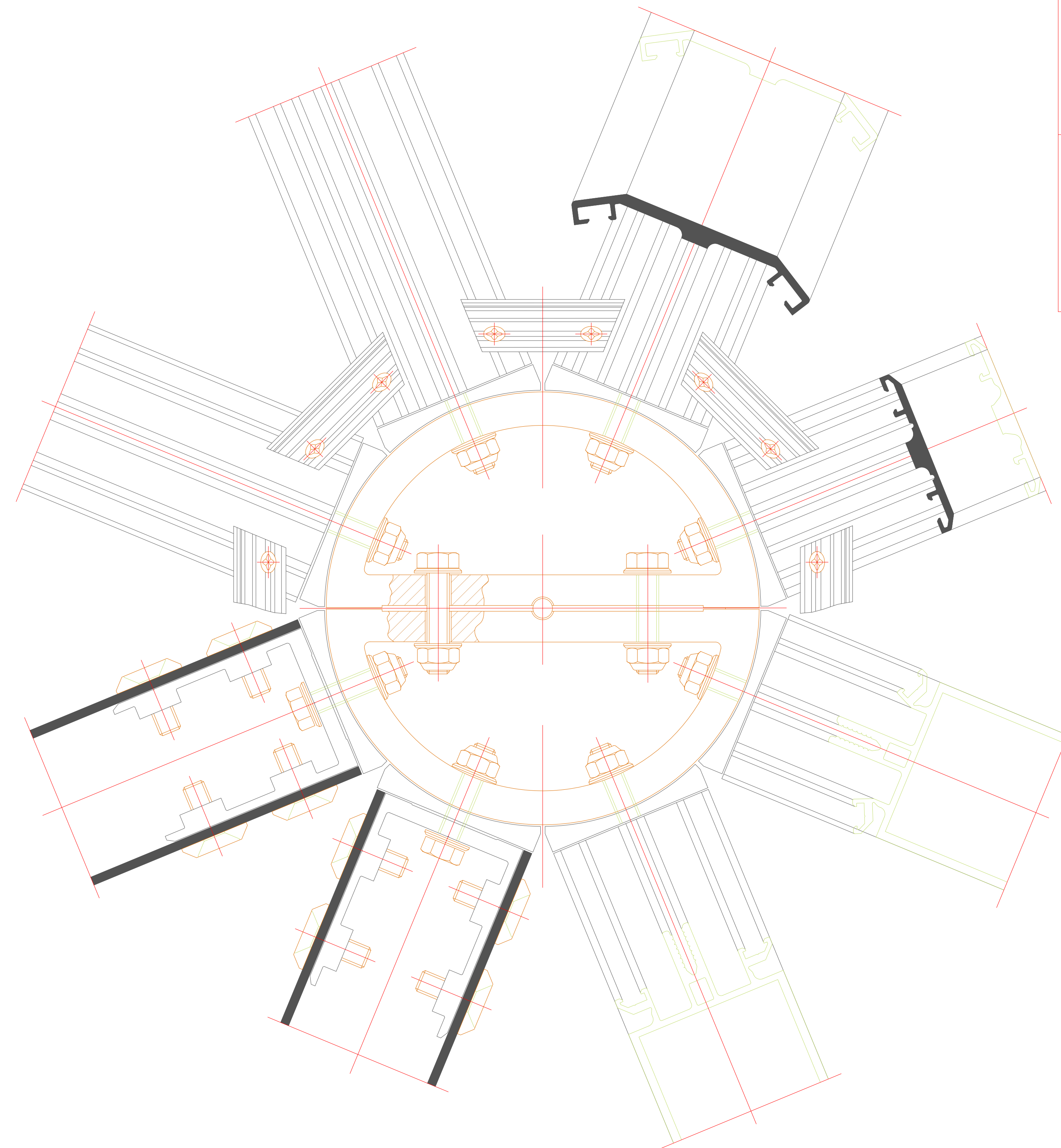
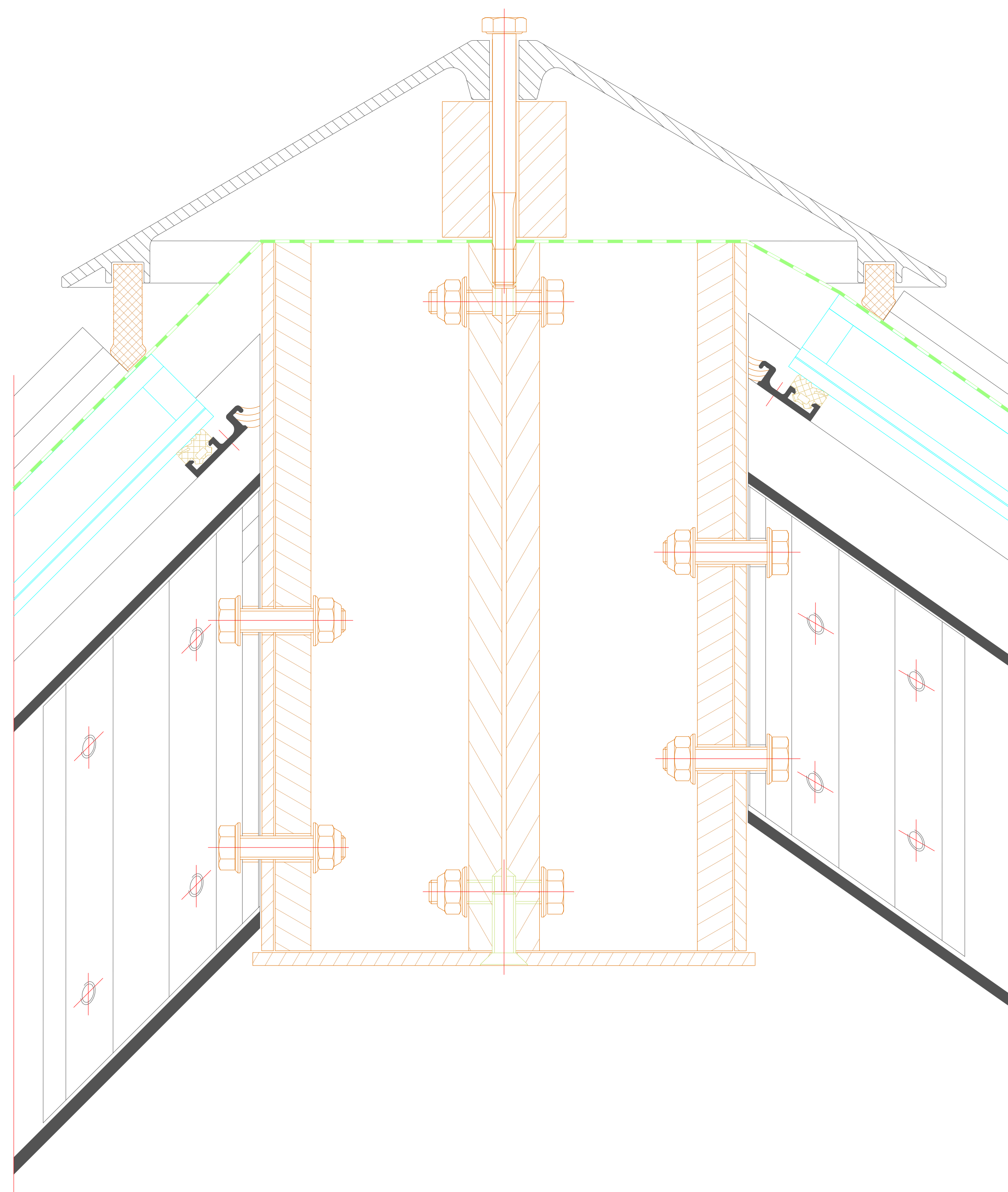
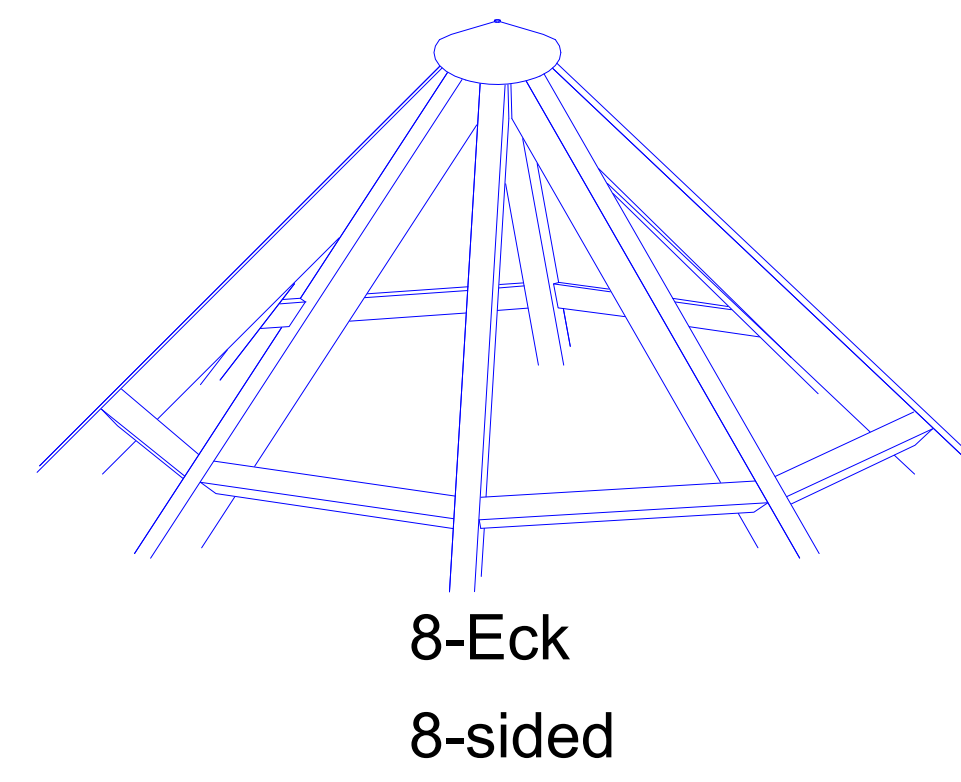
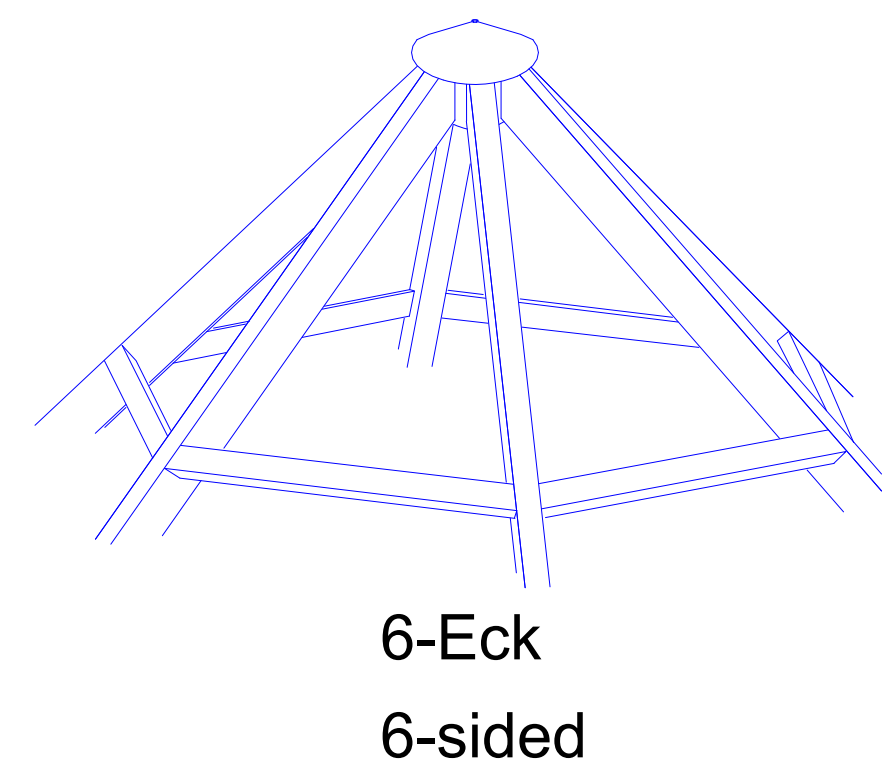
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Walmdach
Hipped roof

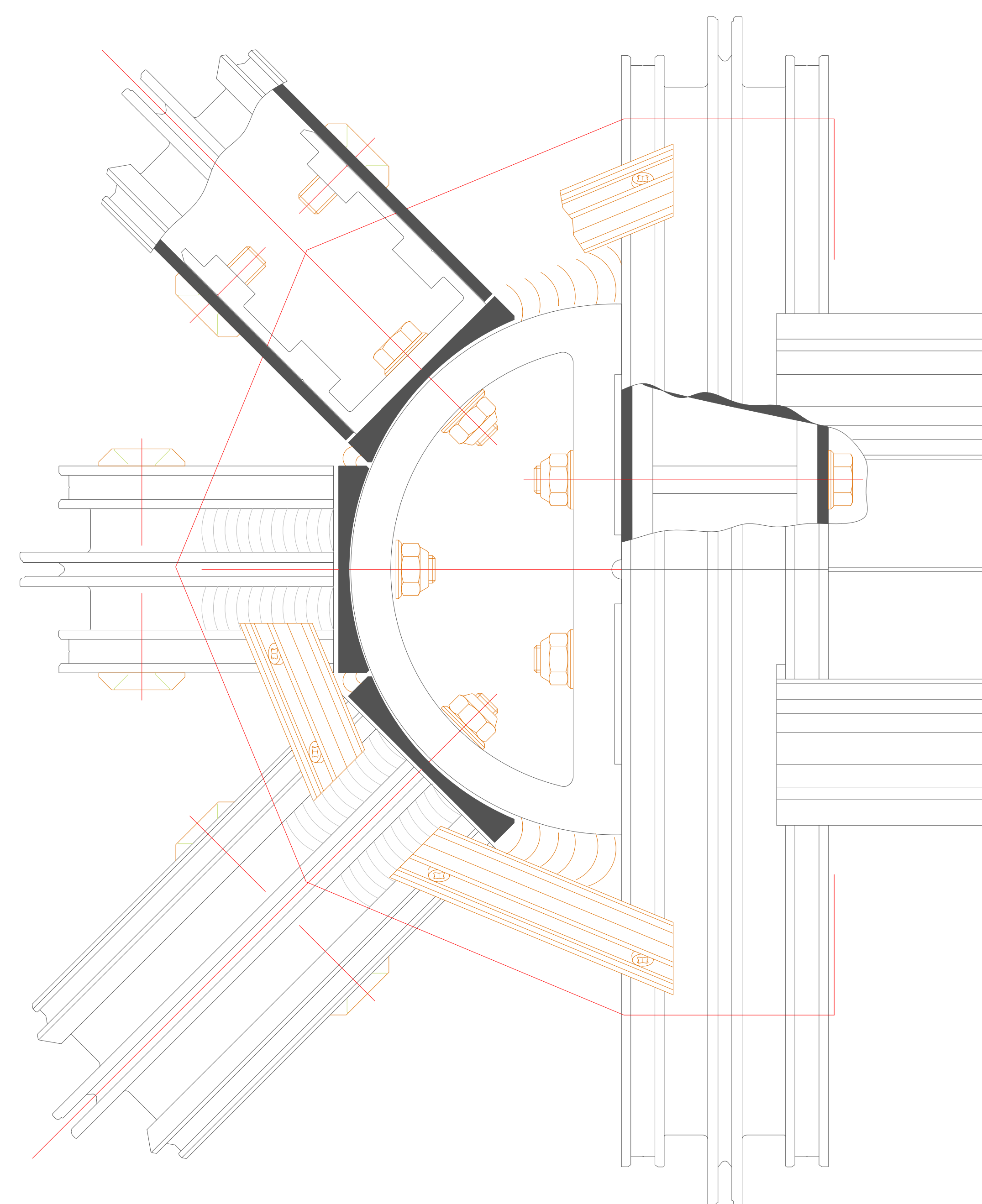
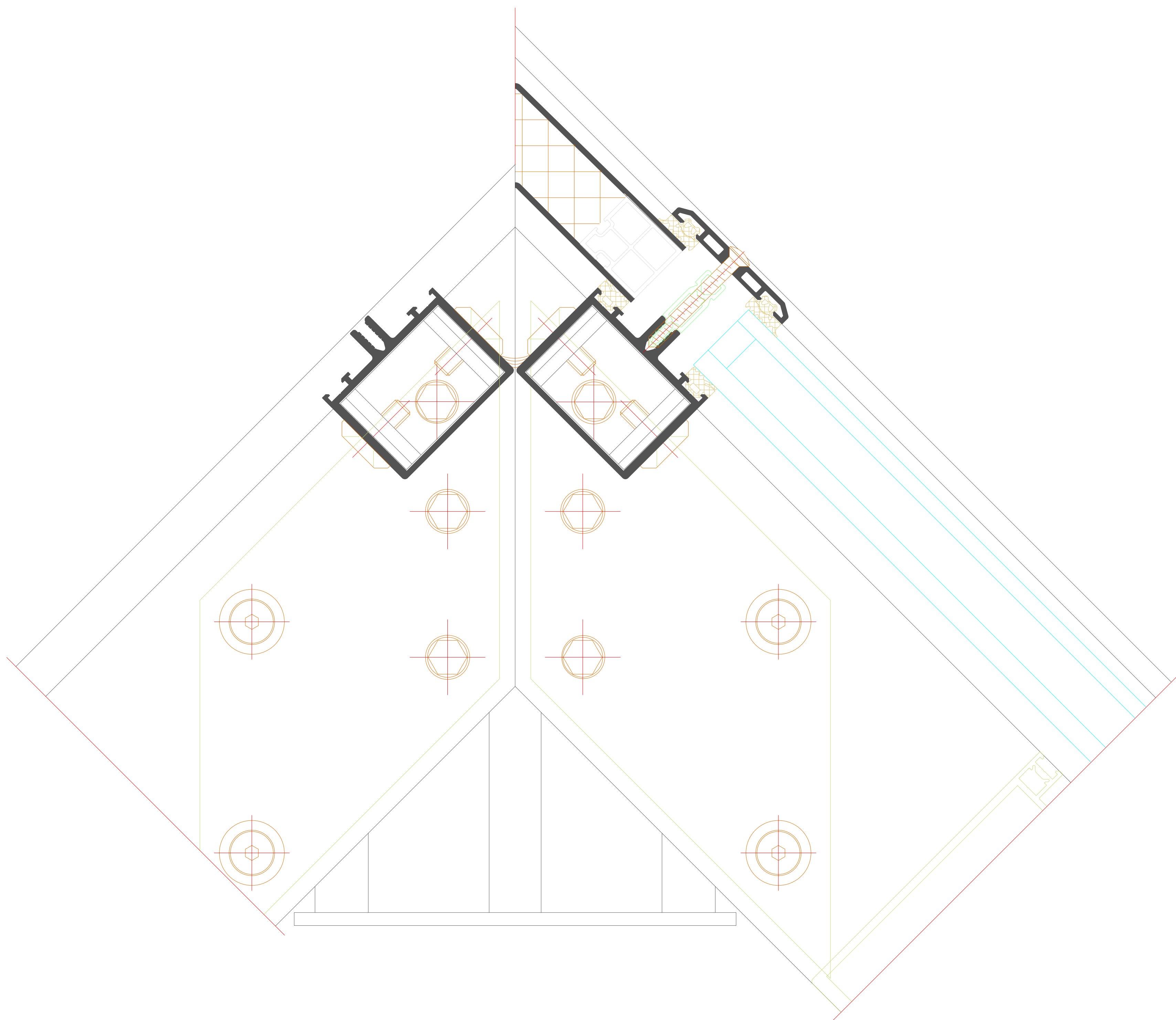




4-Eck mit Mittelschifter
4-sided with centre jack rafter

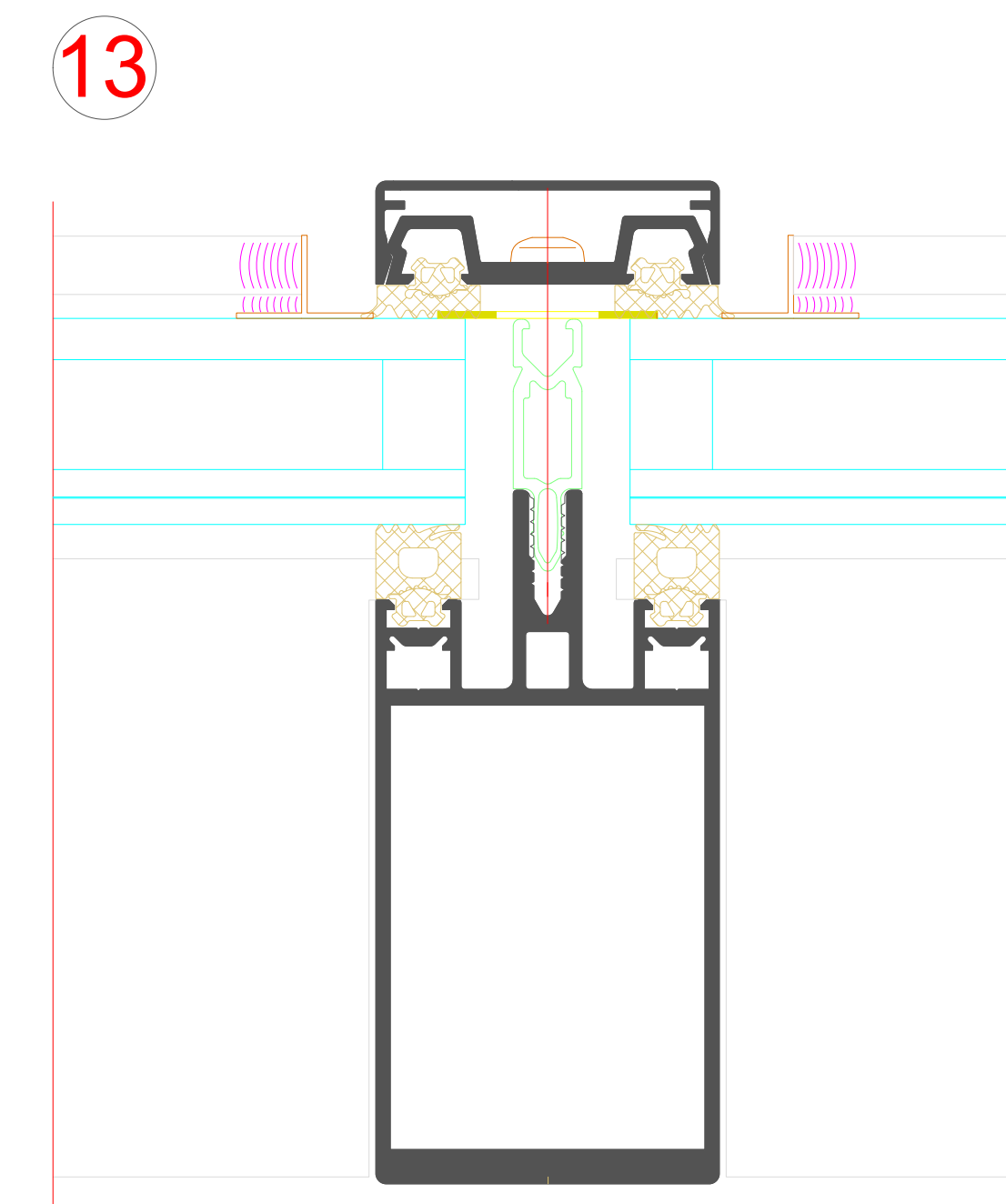
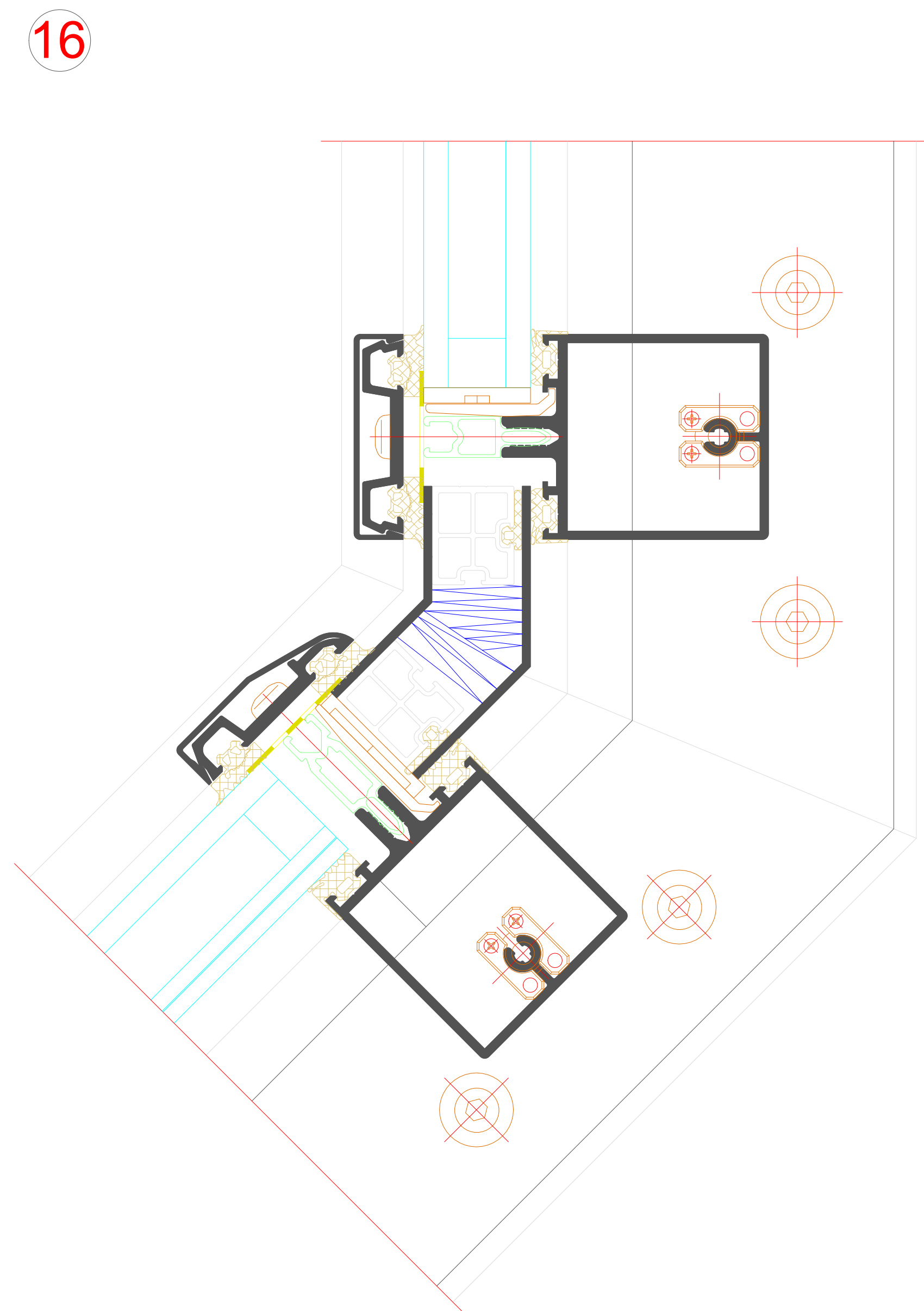
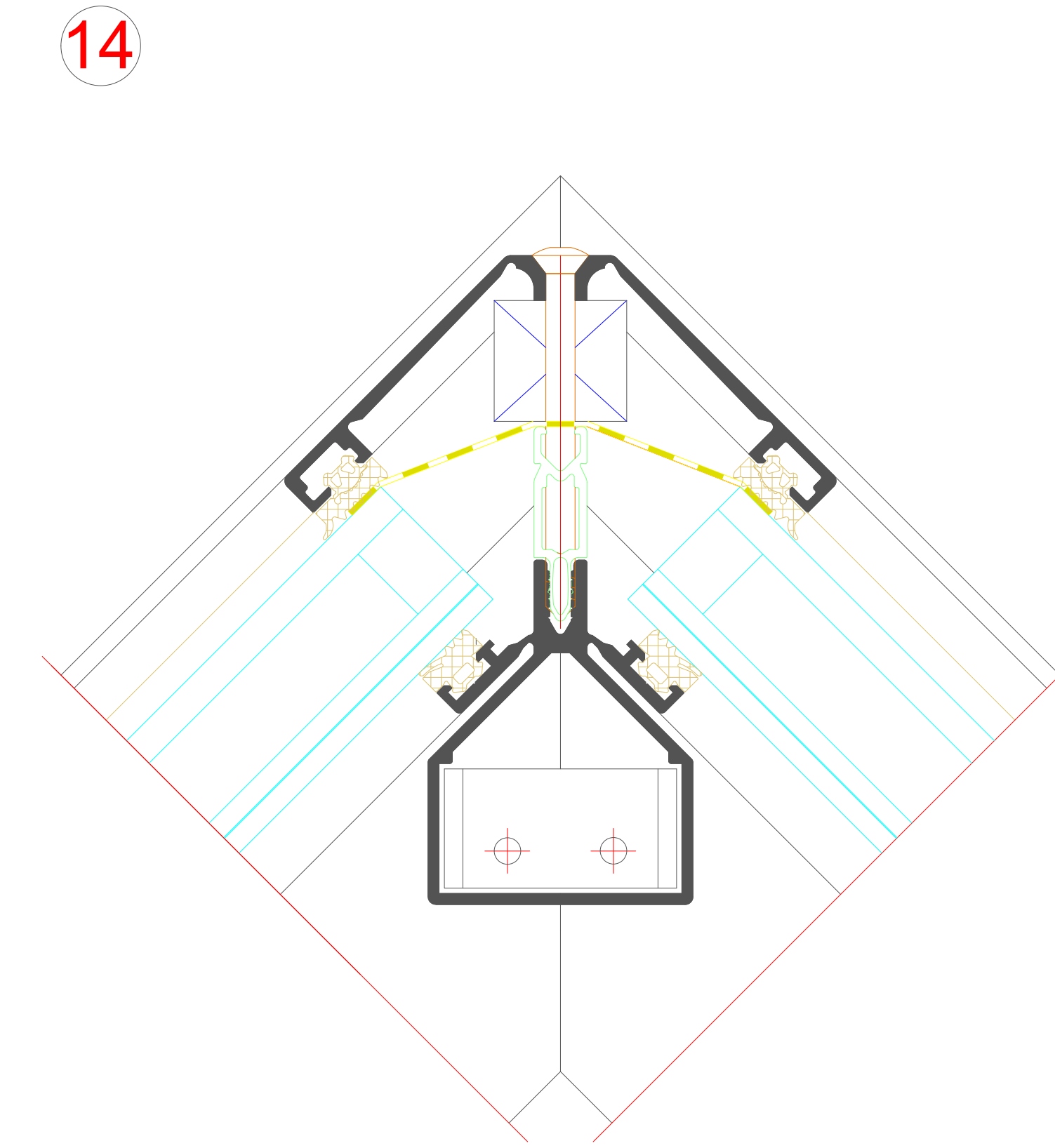
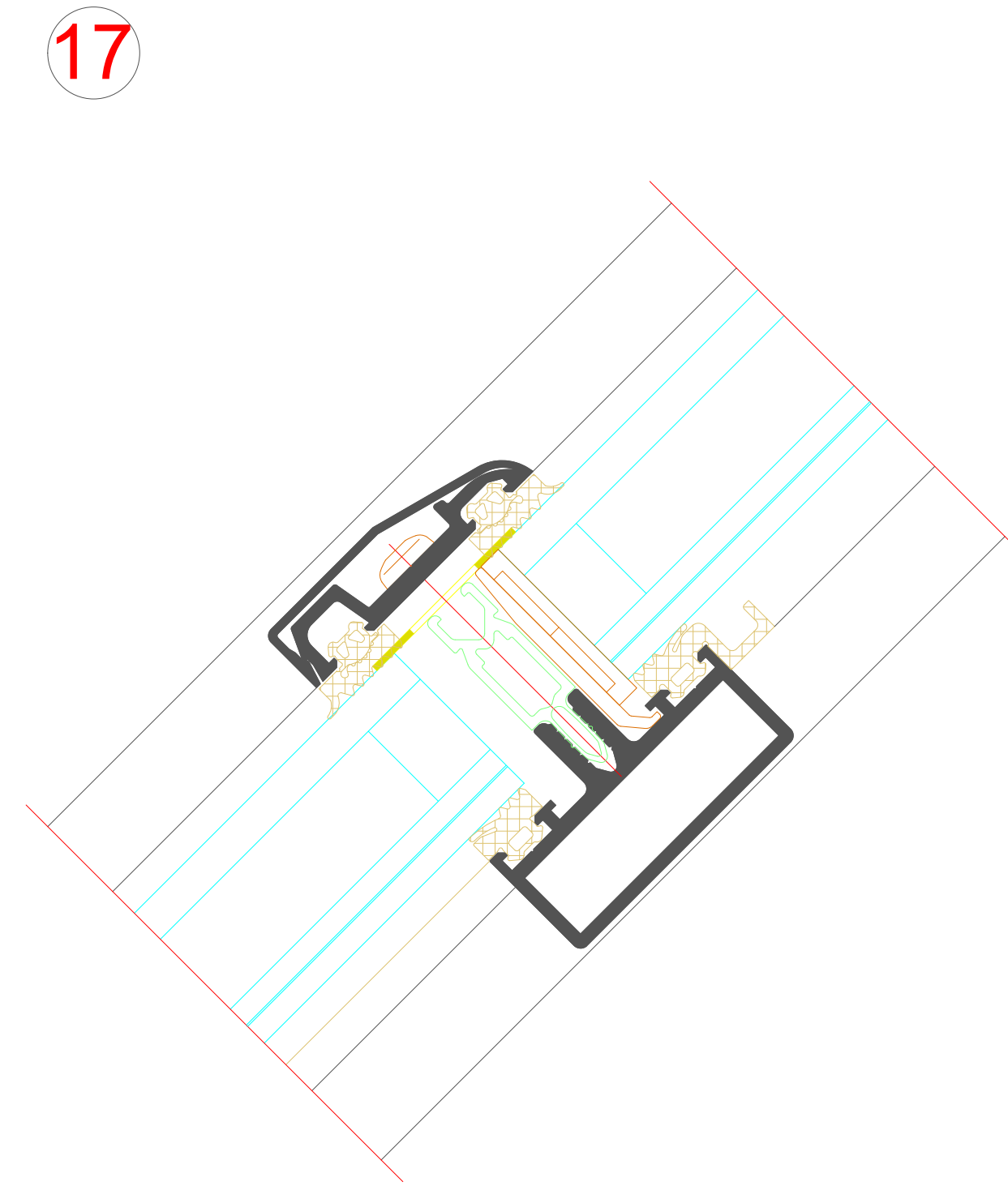
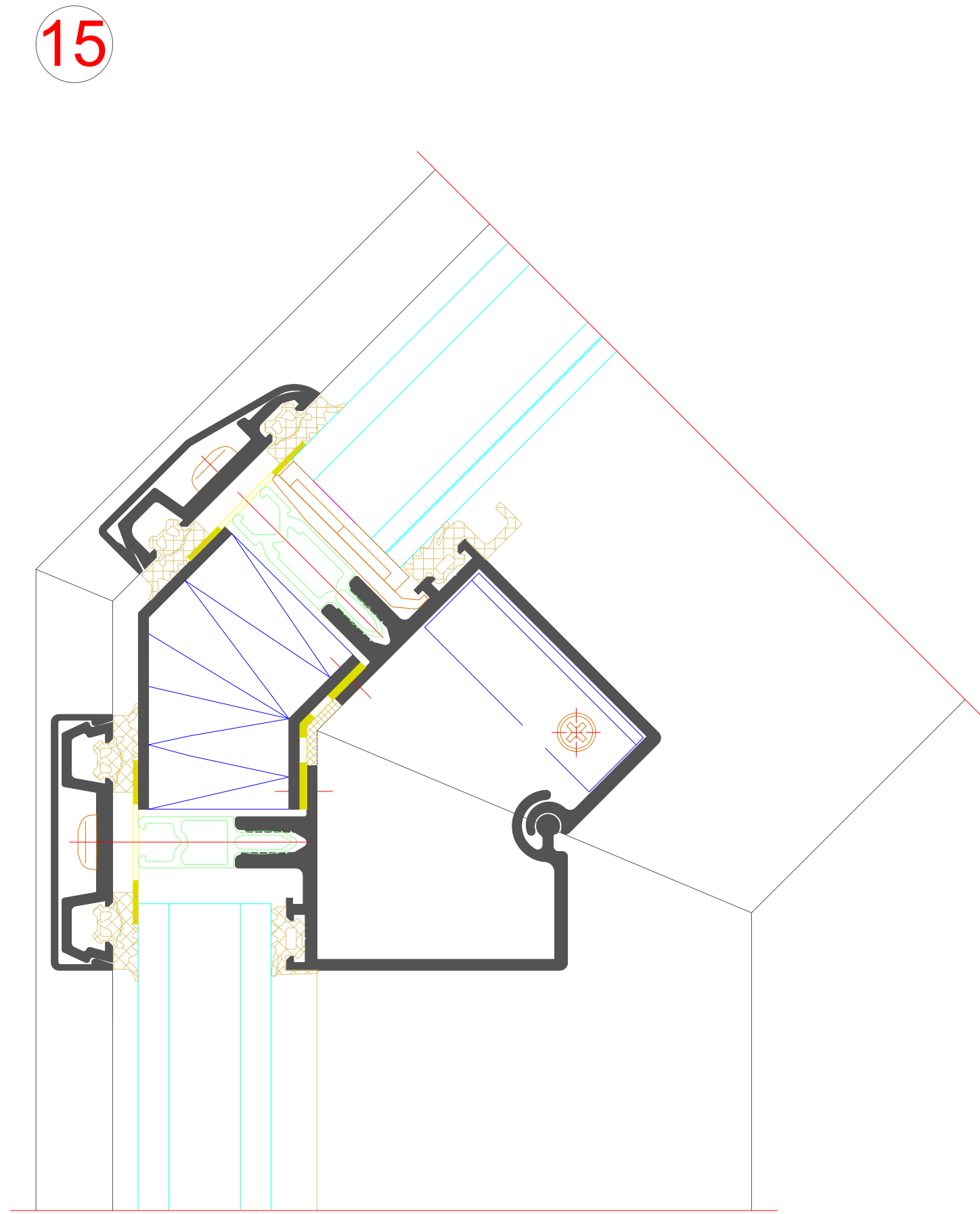
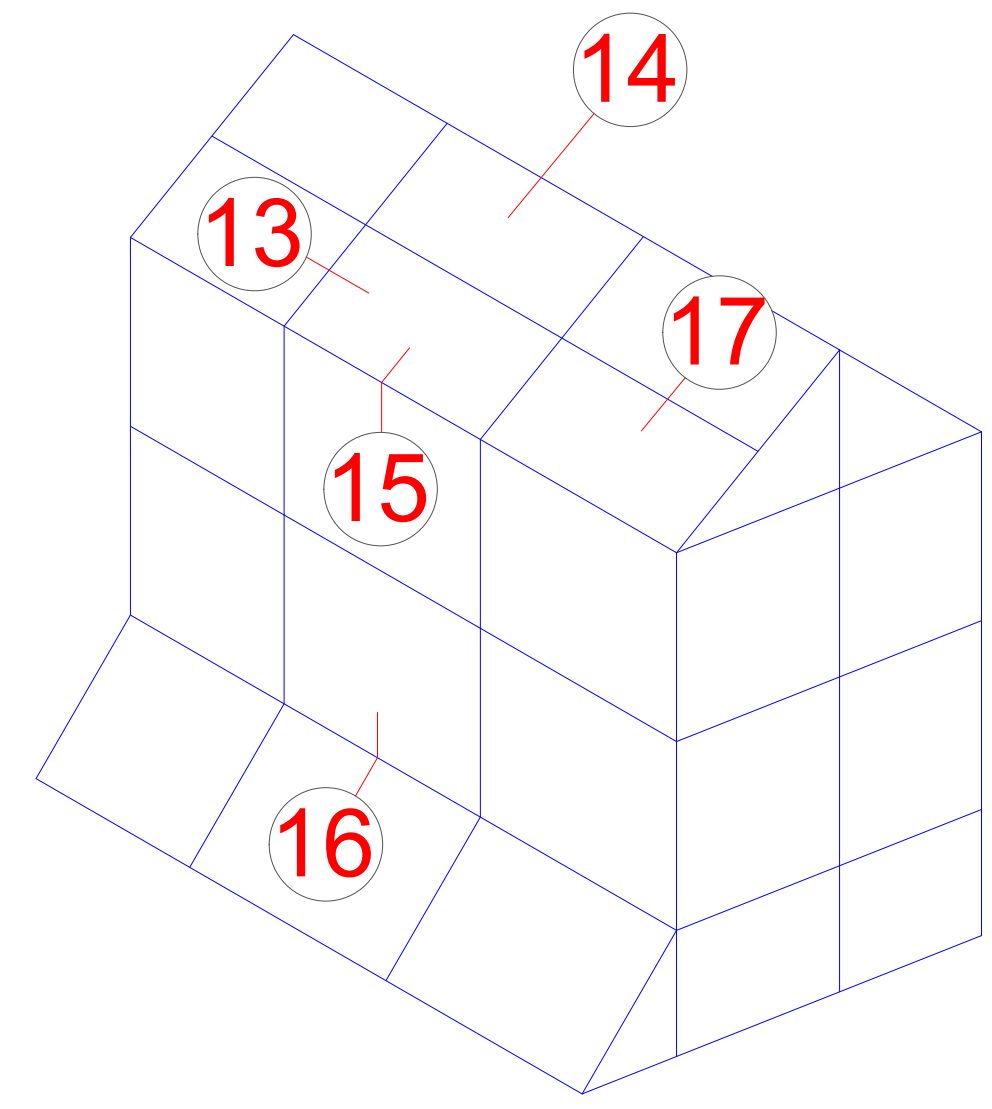


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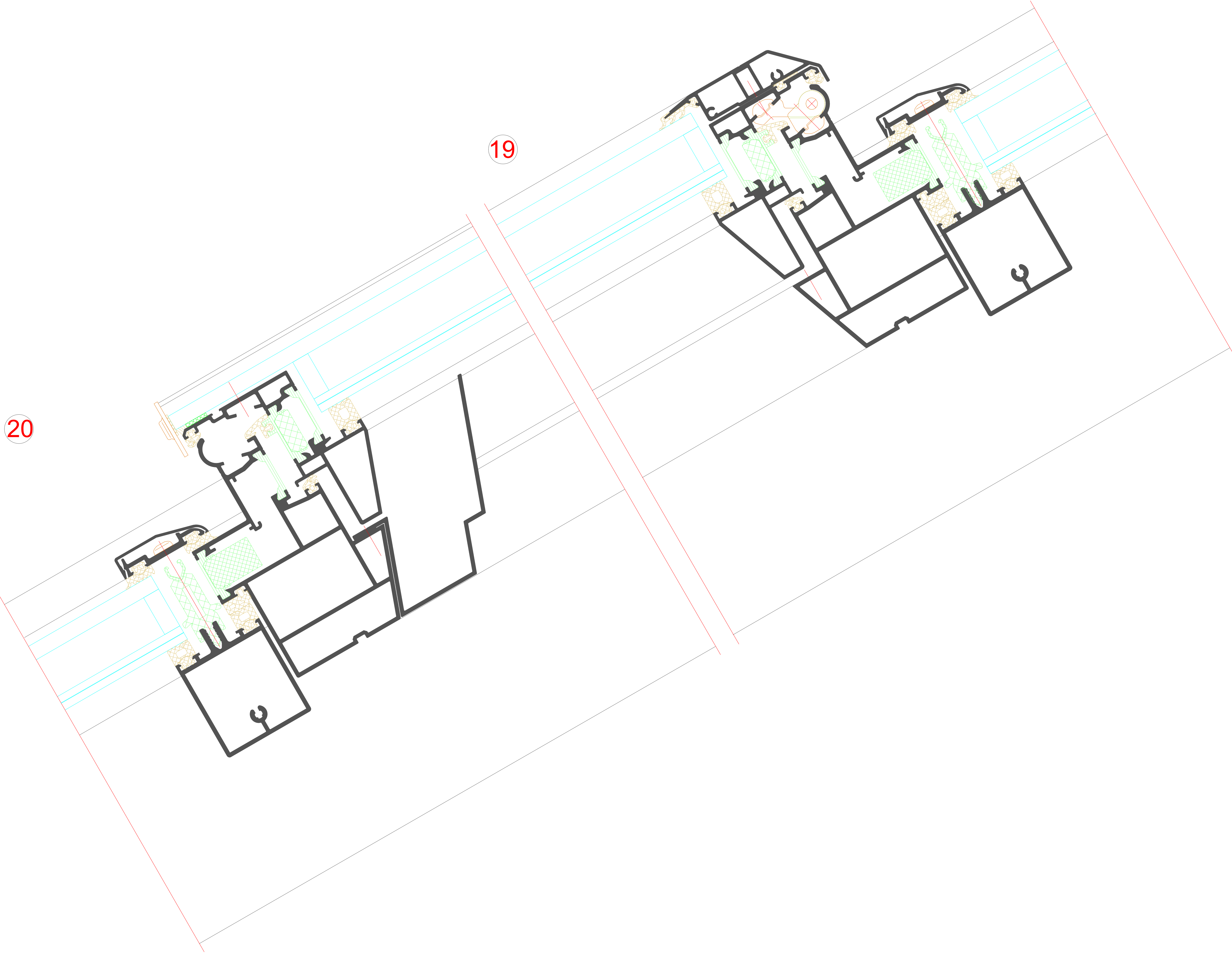
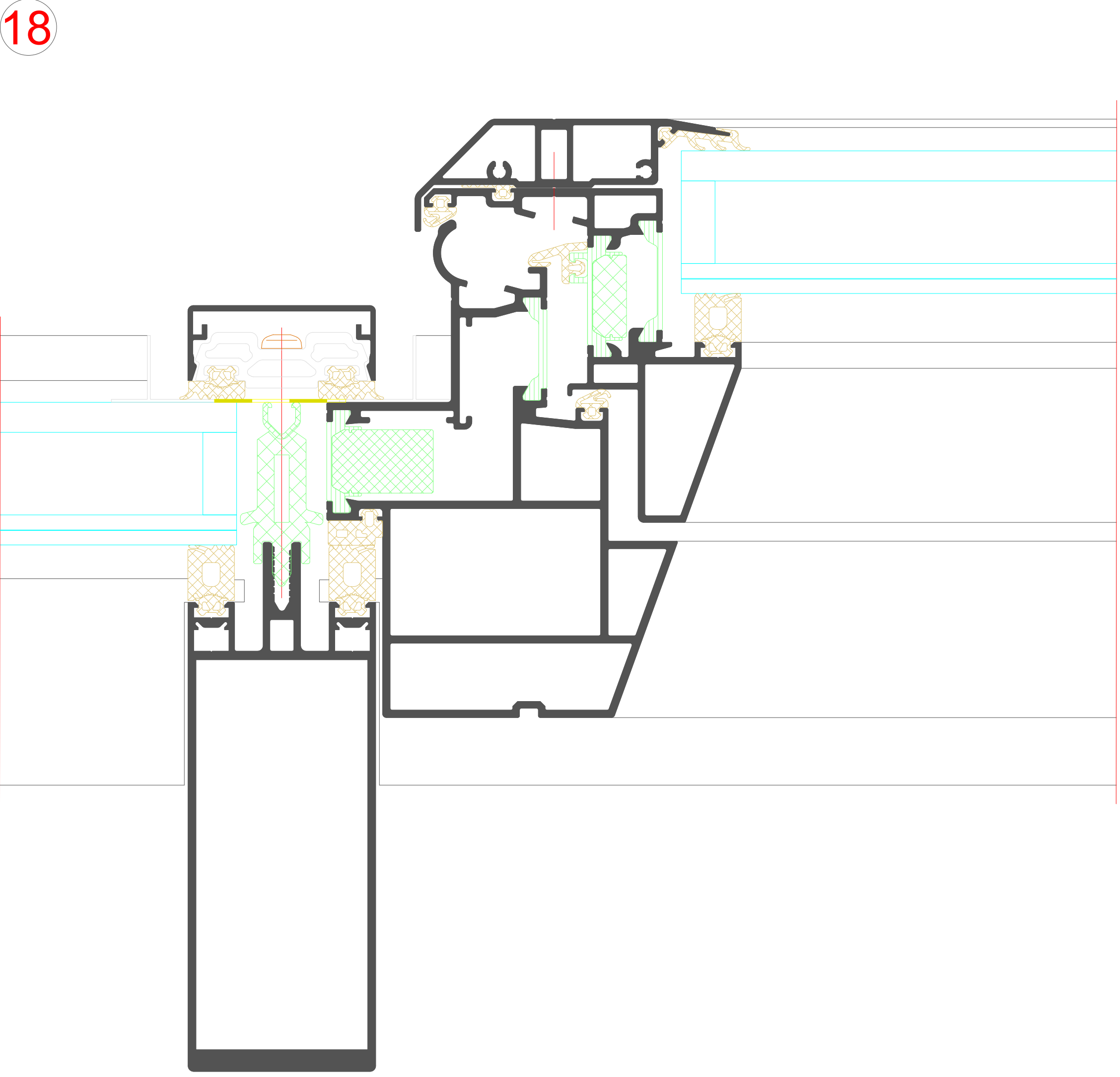
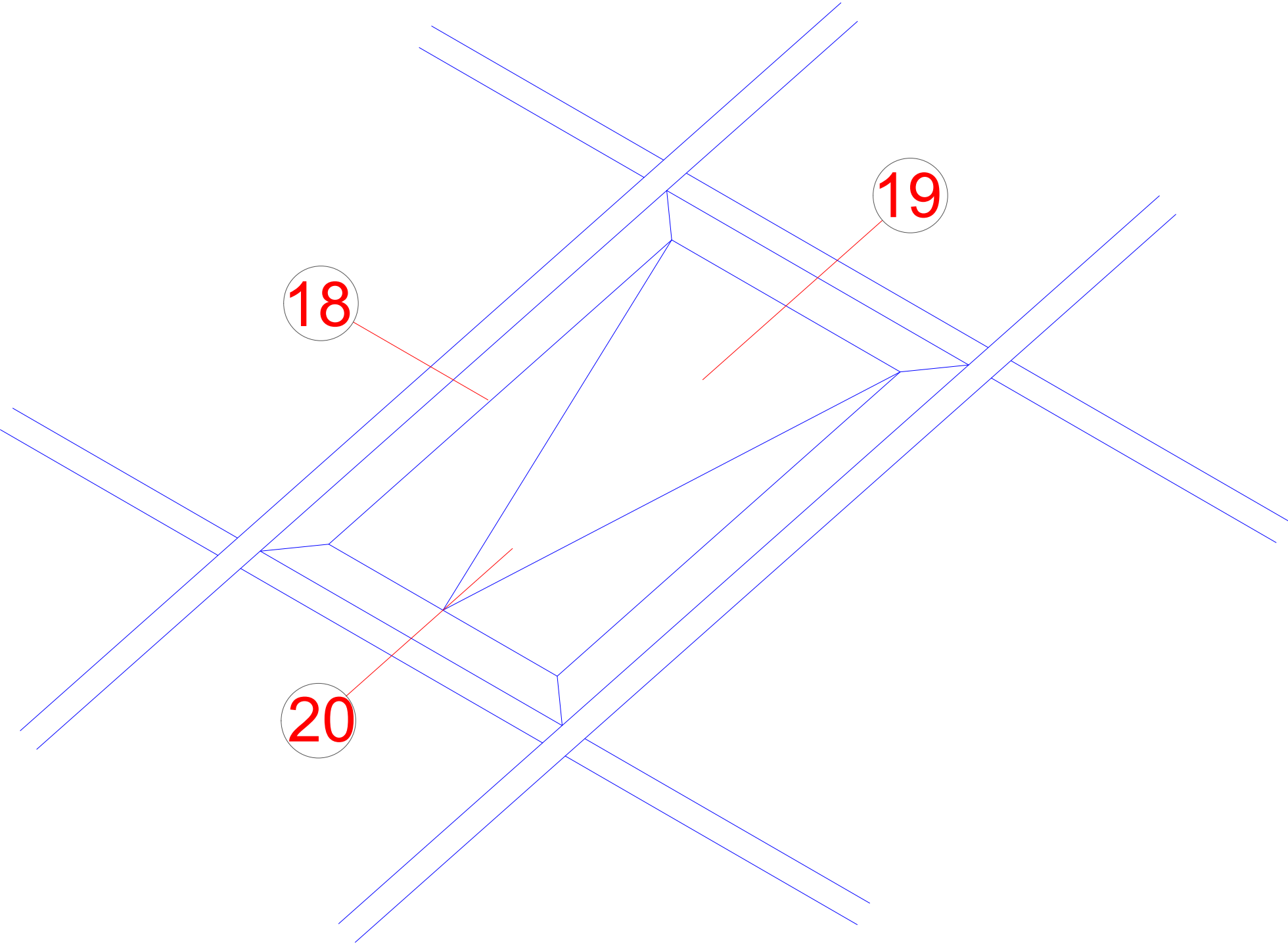


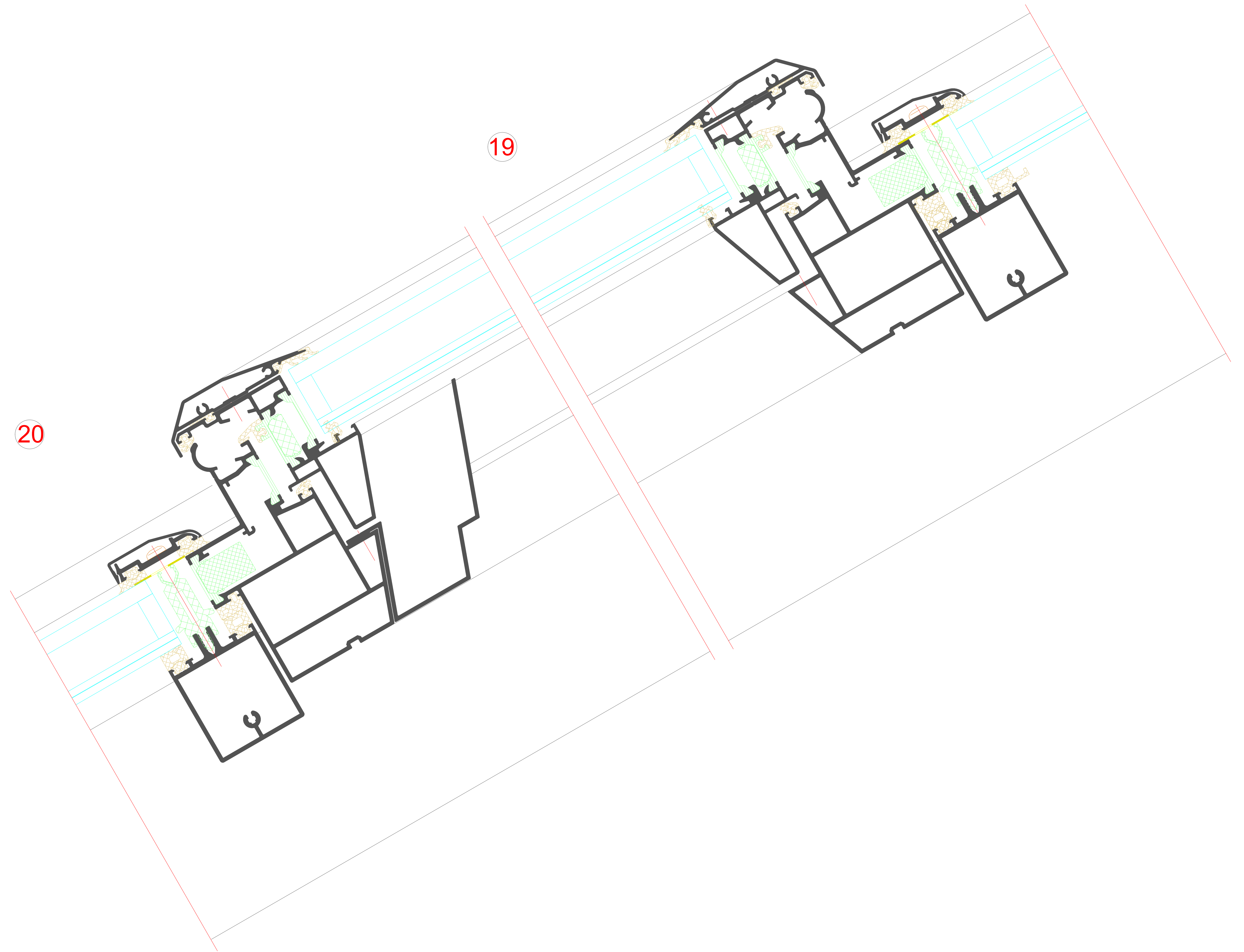
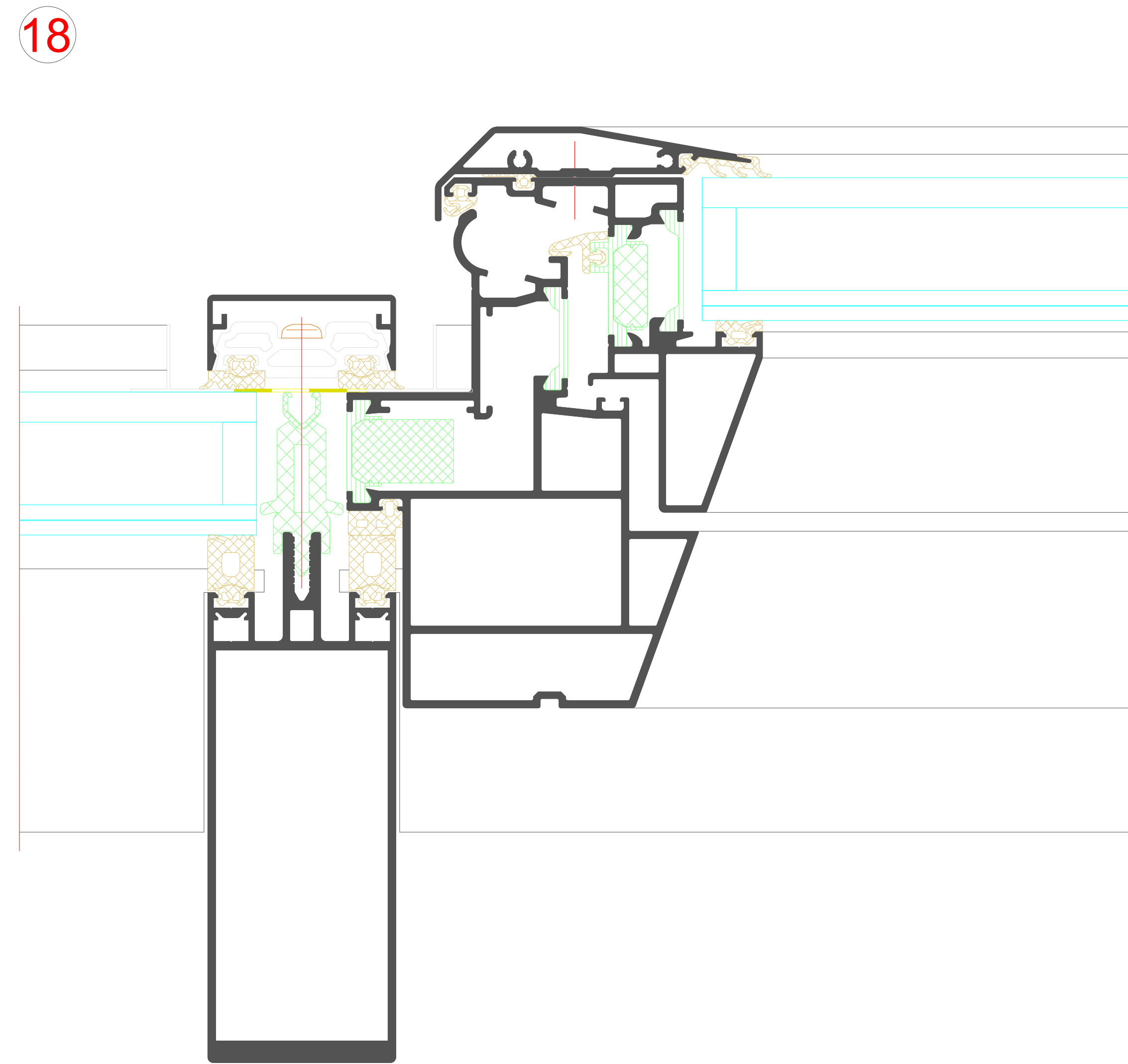
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Schrägdach-Bereich
Pitched roof area

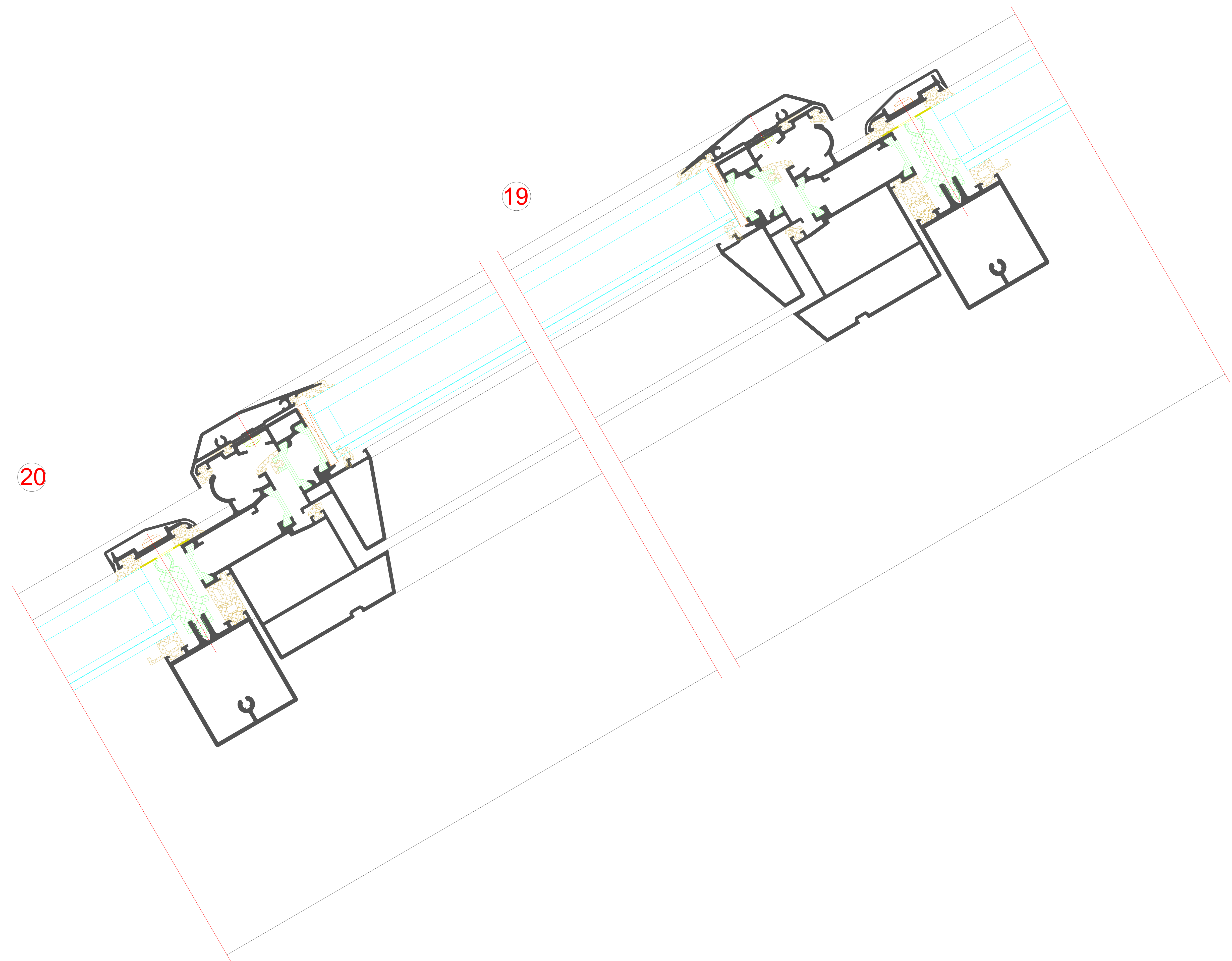
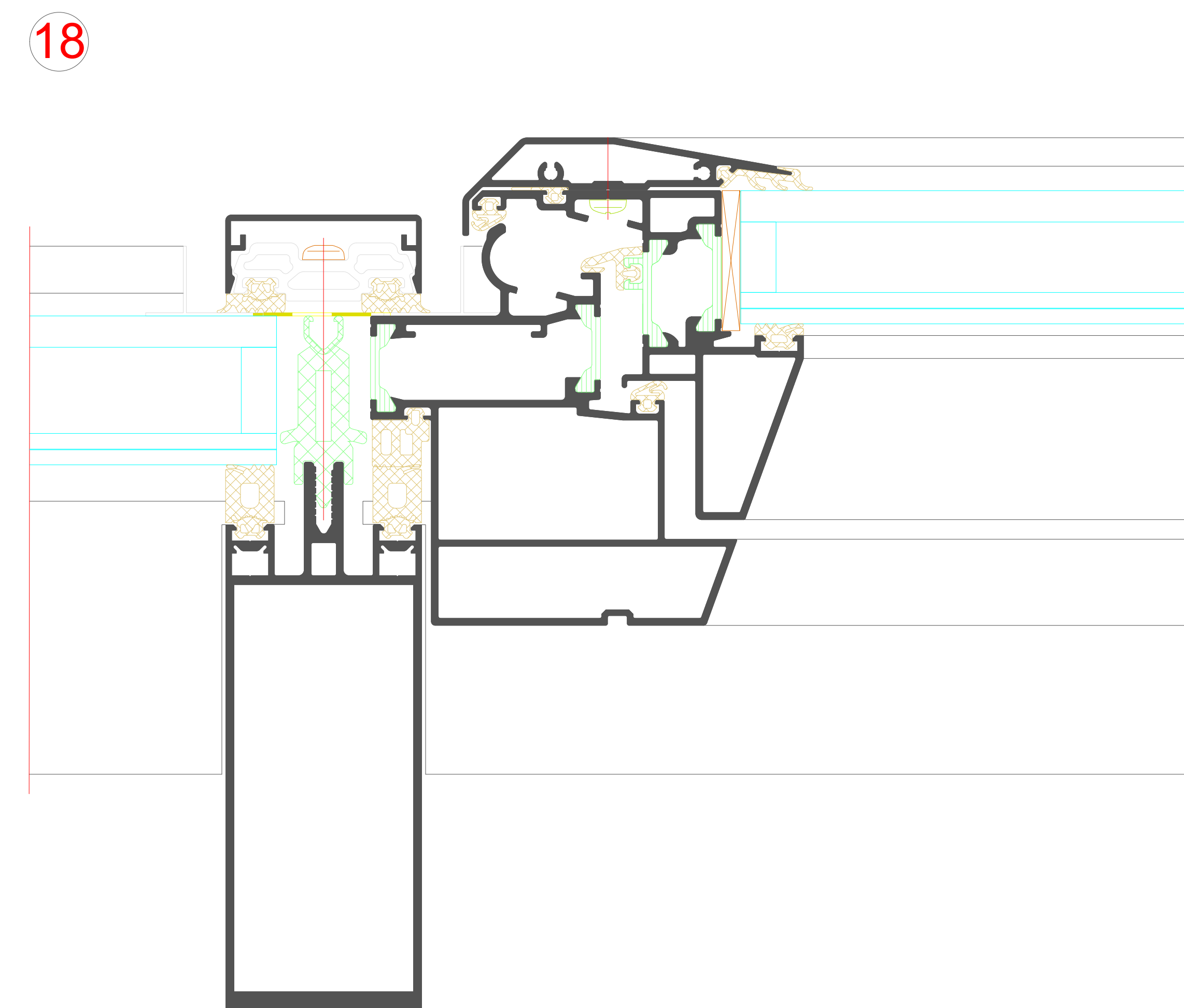


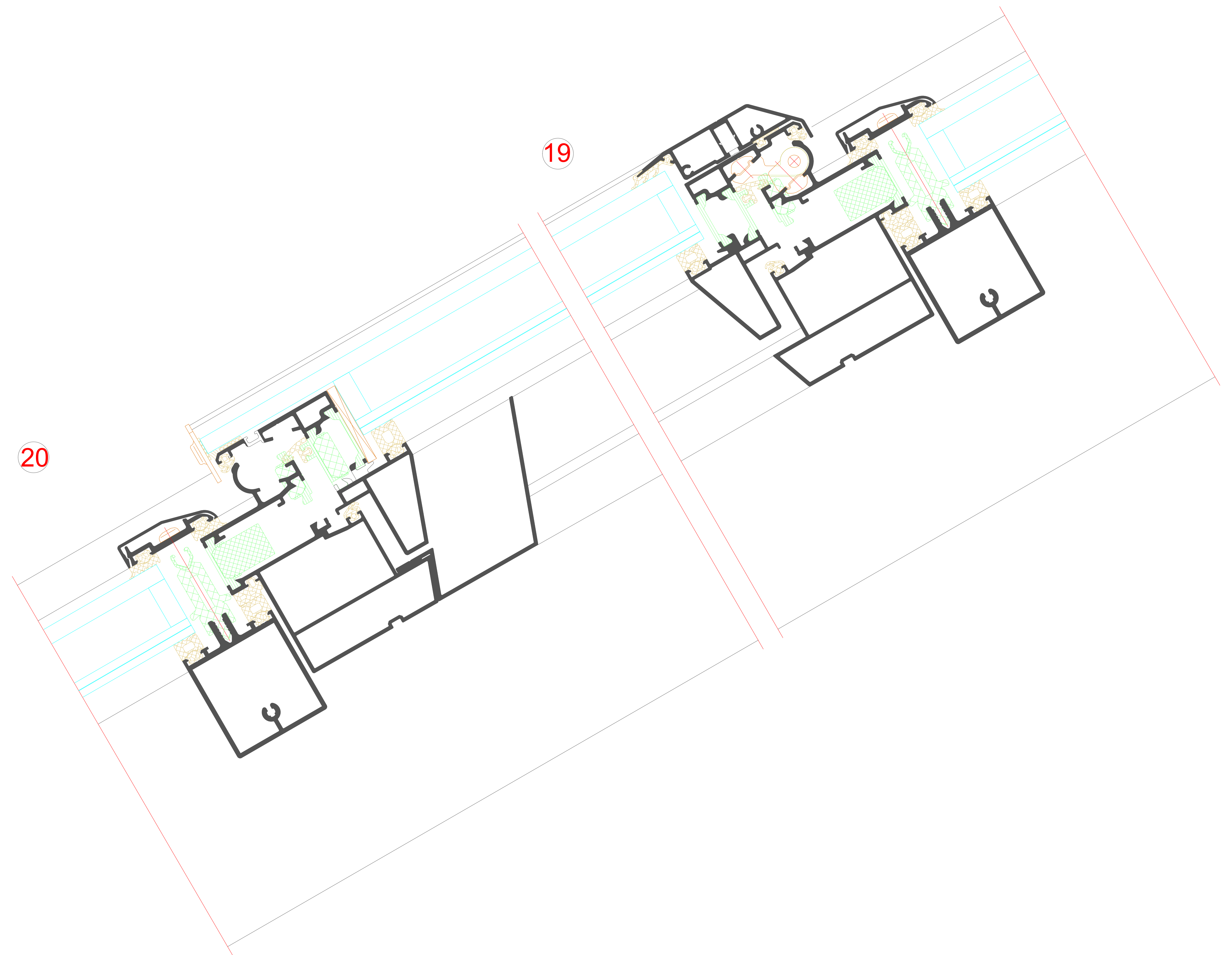
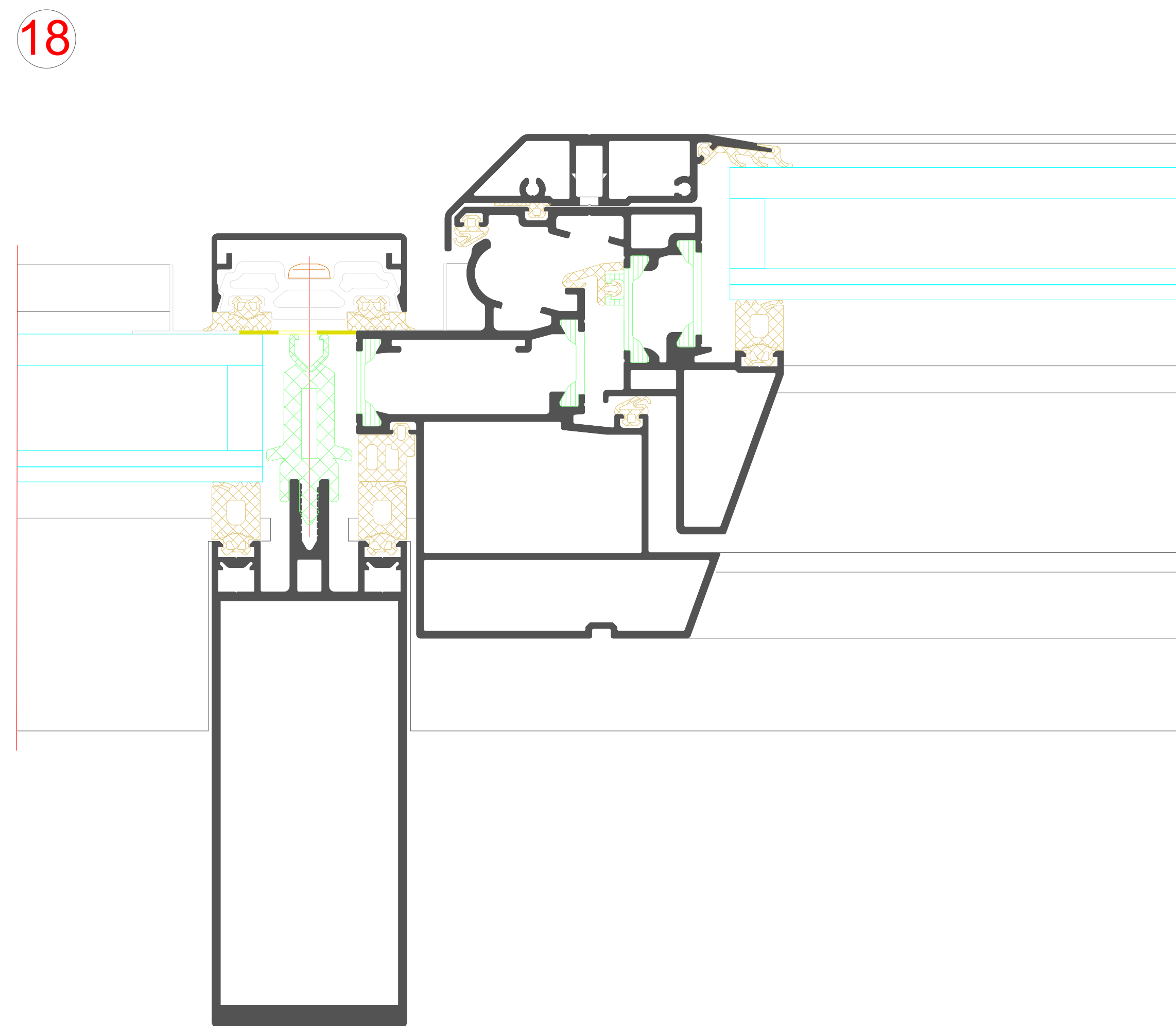
Einsatzelement AWS 57 RO -Variante hoher Blendrahmen mit Stufen-Isolierglas
AWS 57 RO insert unit - option with high outer frame and stepped insulating glass





Einsatzelement AWS 57 RO -Variante niedriger Blendrahmen
AWS 57 RO insert unit - option with low outer frame

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