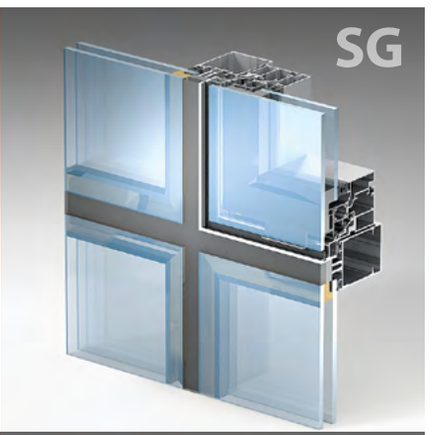
ALUTECH
GROUP OF COMPANIES

Profile systems

ALT F50 SG SSG HL

Curtain wall system modifications



ALUTECH ALT F50 SG | ALUTECH ALT F50 SSG | ALUTECH ALT F50 HL

ALUTECH ALT F50 SG
ALUTECH ALT F50 SSG
ALUTECH ALT F50 HL
Curtain wall system modifications

CONTENT

Description

DESCRIPTION OF CURTAIN WALL SYSTEM MODIFICATIONS

The catalogue presents different ALT F50 system modifications as following:

- structural glazing;
- semistructural glazing (or structural glazing imitation);
- special 'Horizontal line' solution.

ALT F50 SG: Structural glazing

ALT F50 SG system is intended for suspended-type light partitions and inclined translucent curtain walls, skylights, domes and others space structures. The framework of such projects is **ALT F50** curtain wall system with vertical mullions and horizontal transoms of 50 mm visible width of interior profiles. Exterior view of structural curtain wall reminds continuous glass wall without aluminium profiles with vertical and horizontal stiches:

- structural weatherproof sealant, visible stich of 20 mm (Dow Corning 791, Dow Corning 797; Sika WS-305,Sika WS-605 S; General Electric Silpruf E, General Electric Silpruf F);
- **FRK 47** or **FRK 48** rubber gasket, visible stich of 28 mm (for infill unit up to 38 mm).

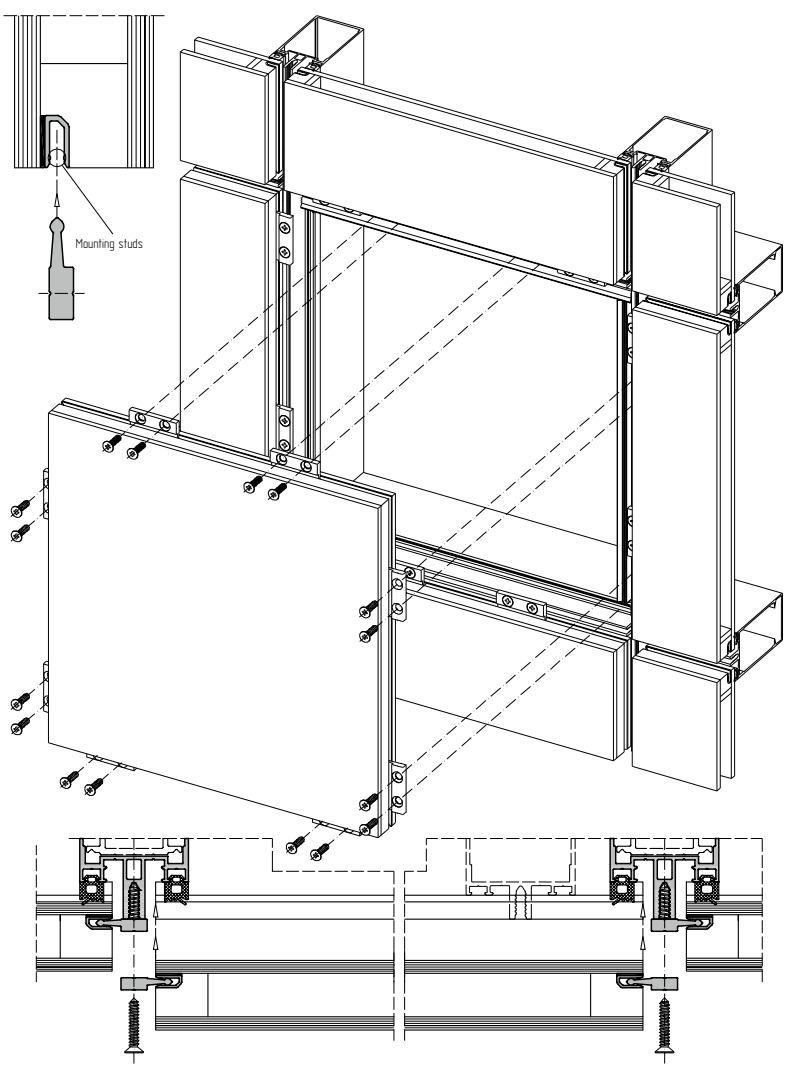


Fig.1. Layout of **ALT F50 SG** glass unit fastening

All profiles and accessories of **ALT F50** and **ALT F50 SSG** systems, glass unit fastening elements are used for designing and manufacturing structural glazing of **ALT F50 SG** system. Provided thermal inserts and gaskets permit to install one and double-glazed unit with infill unit width up to 62 mm, manufactured according to structural glazing requirements.

Glass units, glass on a frame and non-transparent frame panels are fixed (with clamps of 50 mm length) to the main curtain wall with self-tapping screws 5.5×22 (for mullions) and 5.5×19 (for transoms) *DIN* 7982. Screws for mullions and transoms are distinct in 3 mm length as fitment bores for self-tapping screws are distinct in 2.8 mm length. It is necessary to use max diameter of a fitment bore for secure mounting. Fastening is made by criss-cross pattern. You can find standard position of point-fixed fastening in the catalogue. Position and infill unit structure depend on project requirements. Please follow below mentioned recommendation to choose correct infill unit:

- glass units with exterior tempered glass of 6, 8, 10 mm or with partially tempered one (TVG) should be installed in the transparent part of building. Exterior glass can be entirely tinted or hard-coated. For such glass, it is recommended to agree on the edge zone color. While designing structural glazing, please pay attention to the fact that reflection of coating on entirely tinted glass has low light transmittance. For glass with soft coating, that must be removed while glass unit

Manufacturer	Primary sealant	Secondary sealant	
Dow Corning	Polyisobutylen	DC 3362	DC 3793
Sika AG	Polyisobutylen	IG-16	IG-25
General Electric	Polyisobutylen	IGS3703	IGS3723

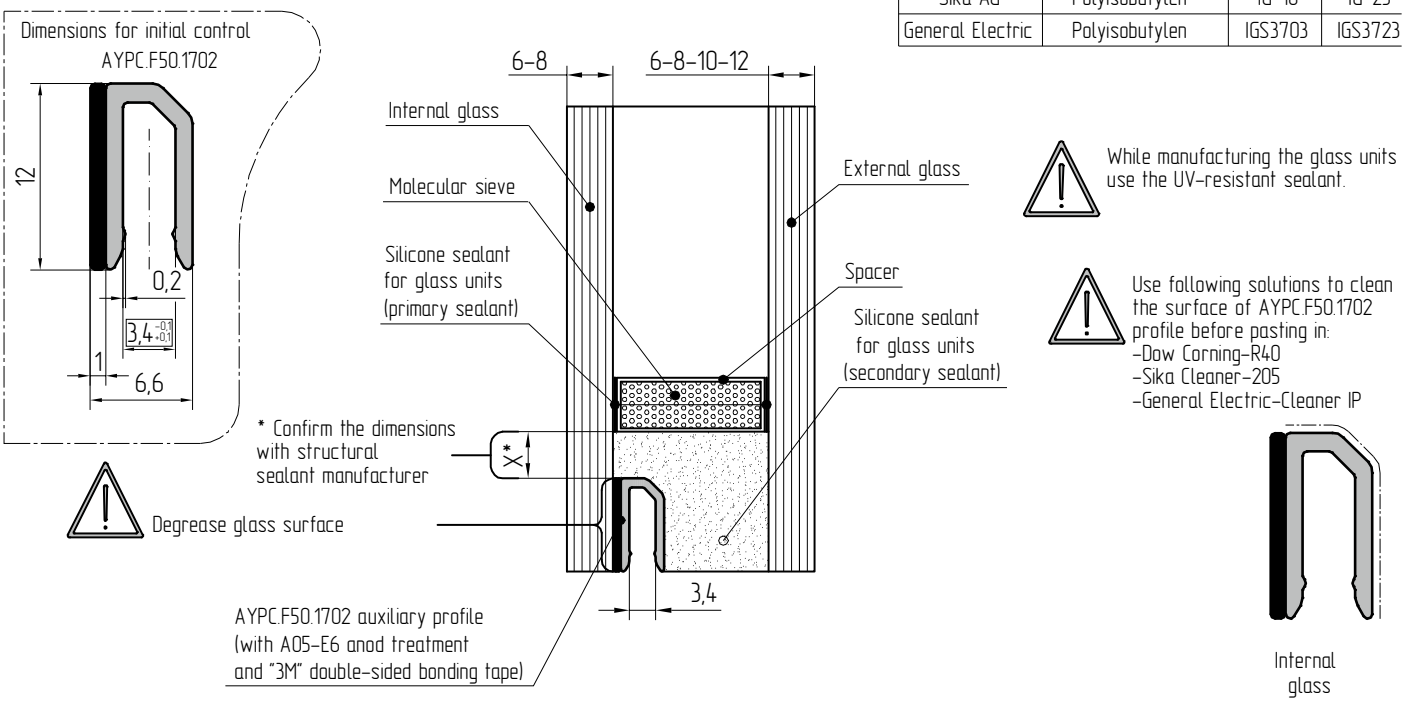


Fig. 2. Layout of **ALT F50 SG** standard glass unit

manufacturing, it is recommended to carry out finish enamel along the removal place. Glass in glass units must be glued together by structural sealants—primary seal (polyisobutylene) and secondary seal (Dow Corning 3362, Dow Corning 3793; Sika IG-16, Sika IG-25; General Electric IGS 3703, General Electric IGS 3723).

- if complex glass (triplex) of 12 mm thickness is used as an internal or external glass, it is necessary to conduct compatibility tests with structural sealants and get recommendations from a glass manufacturer about possibility of its application in structural glazing;
- single tempered glass of 6–8 mm should be installed in the non-transparent part of the construction.

Choose the glass from samples provided.

In order to facilitate internal glass placement along the perimeter, AYPC.F50.1702 is a special profile with anodic coating and glued double-sided adhesive tape produced by 3M and it is used in the **ALT F50 SG** glass units. After gluing, the primary and secondary sealing is carried out with the structural sealants.

Structural sealant manufacturers (such as Dow Corning, Sika, General Electric) fully ensure that during operation period the curtain walls with structural glazing do not delaminate, which means that exterior glass will not fall out. If it is necessary to comply with local regulations and legislation or additional security requirements, additional safety elements are provided. The layout of safety elements is presented in the technical catalogue.

There is a checklist for structural glazing under the project, which should be filled in and sent to the Dow Corning, Sika AG or General Electric company.

Only ALT F50 'hidden sash' integrated windows can be the main opening element of structural glazing. Owing to key features, curtain wall obtains unique look without bulky window profiles in the blind part of wall as well as in opening parts. The integrated windows also put a glass unit into the same plain as a sash and curtain wall that eliminates optical distortion which curtain wall structure has with standard windows.

ALT F50 HL: 'Horizontal line' curtain wall

ALTF 50 HL 'Horizontal Line' curtain wall system is another one aesthetic modification of ALT F50 curtain wall system, where glass unit is fastened vertically or horizontally and this fastening is visible from outside. It is possible in due to different covering elements (e.g., elliptical F50.0507, semicircular F50.0505 and other size profiles), which highlight one line attaching to building an additional bulk horizontally (or vertically). Moreover, other crossing lines are replaced by decorative joint gasket. Otherwise, the gap between the glass units is sealed with silicone sealant, resistant to various weathering.

The hopper windows may be used in the 'horizontal line' curtain wall system as in other ALTF 50 modifications without changing the building view.

Thermal breaks and gaskets allow to install the glass with thickness of 22–38mm in accordance with the requirements for structural glazing. Glazing and window installation are made outside.

ALT F50 SSG: Semi-structural glazing system

ALT F50 SSG system is designed for curtain wall semi-structural glazing. This solution is based on **ALT F50** classic curtain wall system. Standard mullion and transoms with a visible width of 50 mm are used as a bearing frame.

The main aesthetic difference of this solution is the absence of wide 50 mm cover caps. Instead, it is thin almost invisible clamp bar profiles that are used in the system and create the imitation of structural glazing.

This system permits to install integrated windows as window units into the semi-structural curtain wall.

Thermal breaks and gaskets allow to install glass with thickness of 22–38 mm in accordance with the requirements for structural glazing. Glazing and window installation are made outside.

3M™ VHB™ ADHESIVES APPLICATION IN STRUCTURAL GLAZING

Request form for technical support

Filled by 3M representative

Date _____

3M contact _____

Phone number _____

Location _____

Business name _____

Contact person _____

Contact phone number _____

Address _____

Object name _____

Object address _____

Building height, m _____

Number of floors _____

General contractor _____

Consulting organization _____

Project organization _____

Used materials

Glazing type

- ☐ Double-glass unit
- ☐ Double-glass unit 'with ledge'
- ☐ Laminate
- ☐ Monolith

Glass surface at gluing side

- ☐ Uncoated
- ☐ Coated. Cover type _____

Glass producer _____

Profile type (model) _____

Profile producer _____

Profile material

- ☐ Aluminum
  - ☐ anodized. Colour _____
  - ☐ coated. Colour and type of coat _____
  - ☐ untreated
- ☐ Stainless steel

Is mechanical support available for the panel in the frame openning?

- ☐ Yes
- ☐ No

Design value of panels

Wind load, kPa _____

Hurricane danger area

- ☐ Yes
- ☐ No

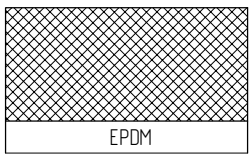
Were your employees trained to apply 3M™ VHB™ adhesives?

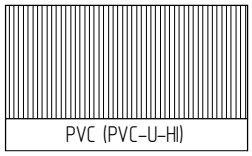
- ☐ Yes
- ☐ No

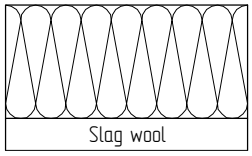
№	Width, mm	Height, mm	Number in the project, pcs		Thickness, mm	Weight, kg
			for windows	for walls		
1						
2						
3						
4						
5						
6						
7						

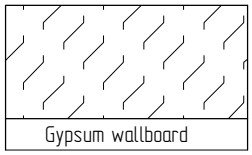
Other notes _____
for example, earthquake prone area

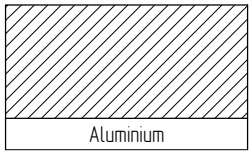
LEGEND

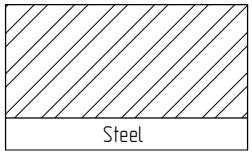

EPDM

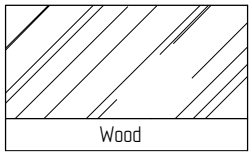

PVC (PVC-U-HI)

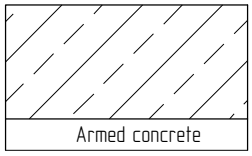

Slag wool

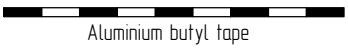

Gypsum wallboard


Aluminium

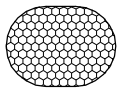

Steel


Wood


Armed concrete


Aluminium butyl tape


Vapor-permeable membrane


Polyurethane sealing cord

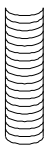

Plastic spacer support


Sheet aluminium


Sheet steel


Aluminium profile

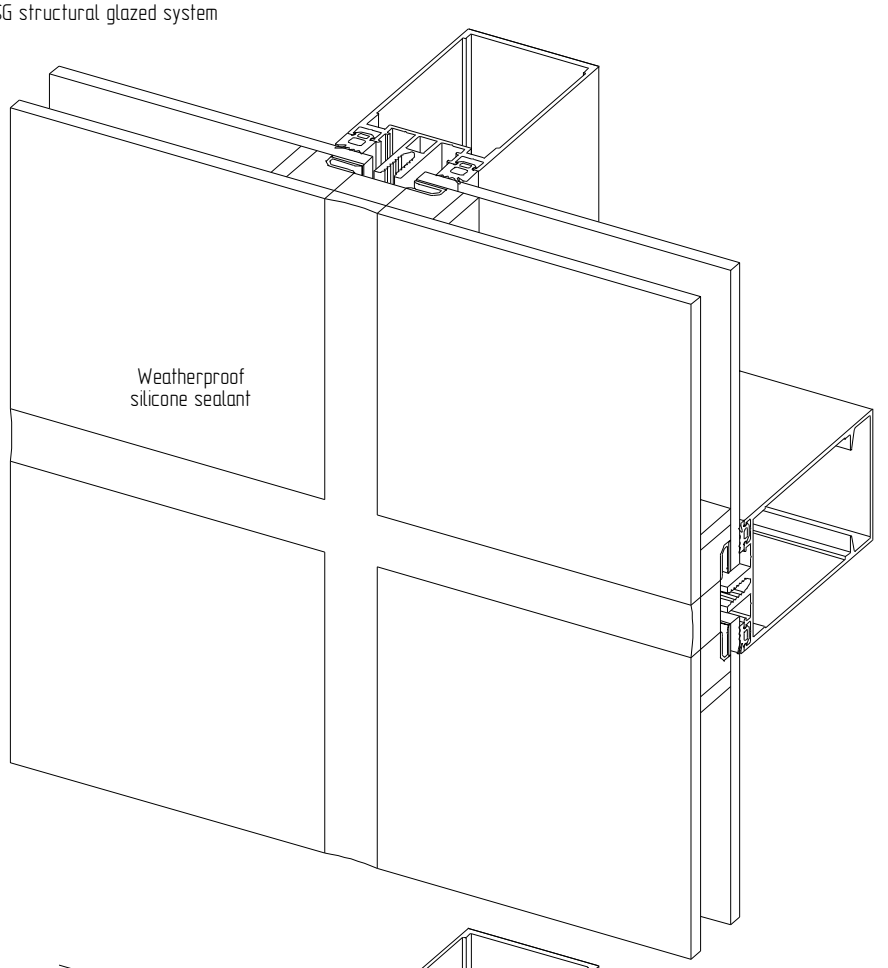

Glass

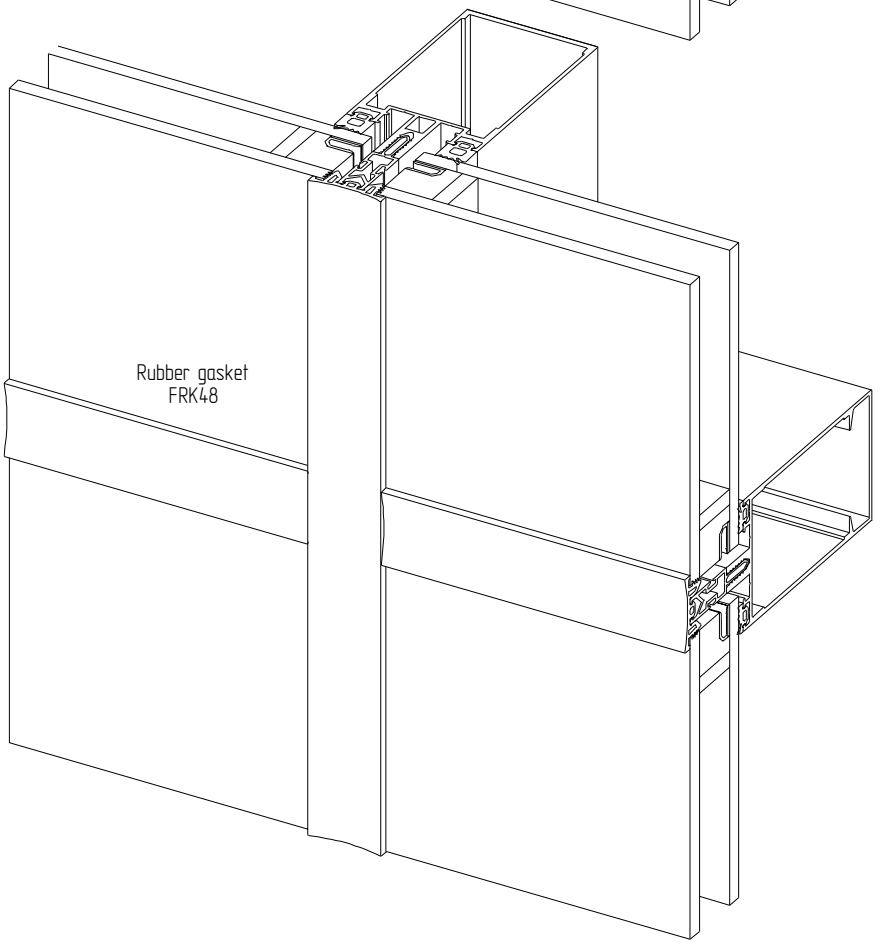

Silicone sealant


Structural silicone sealant

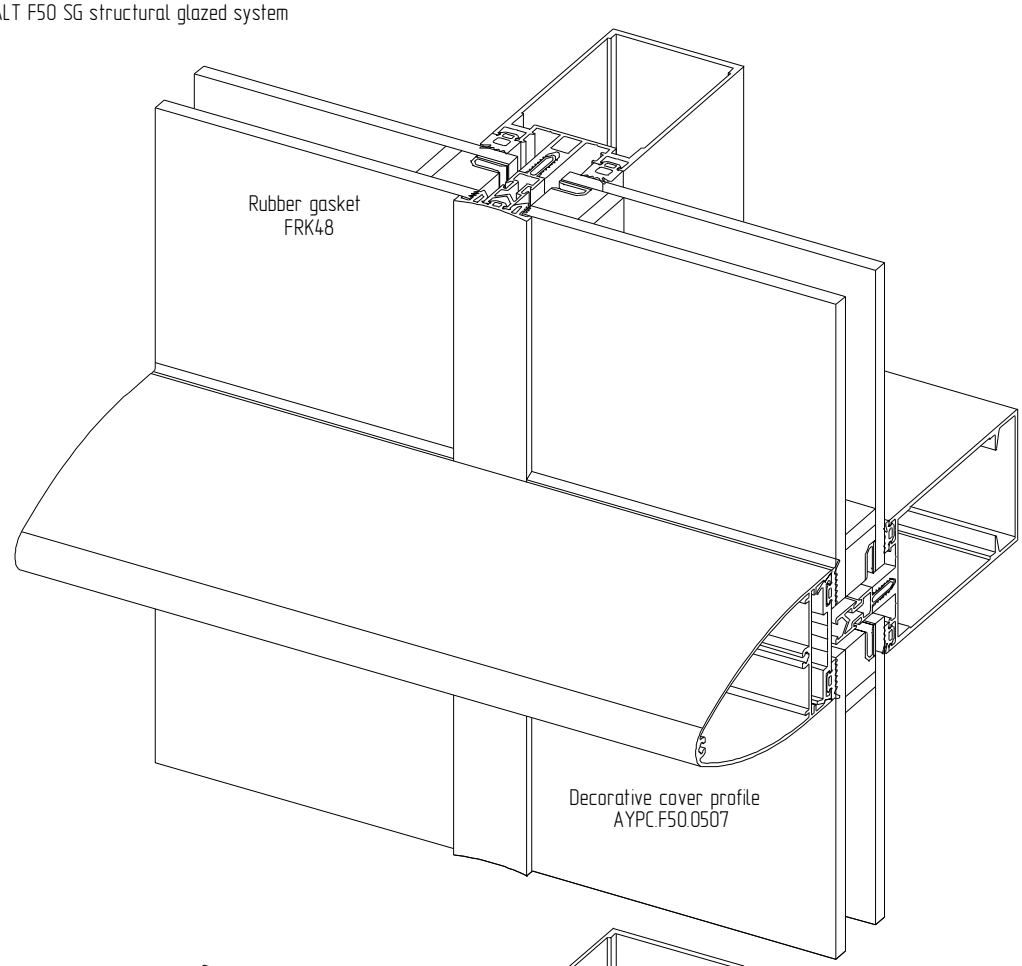
SYSTEM OPTIONS

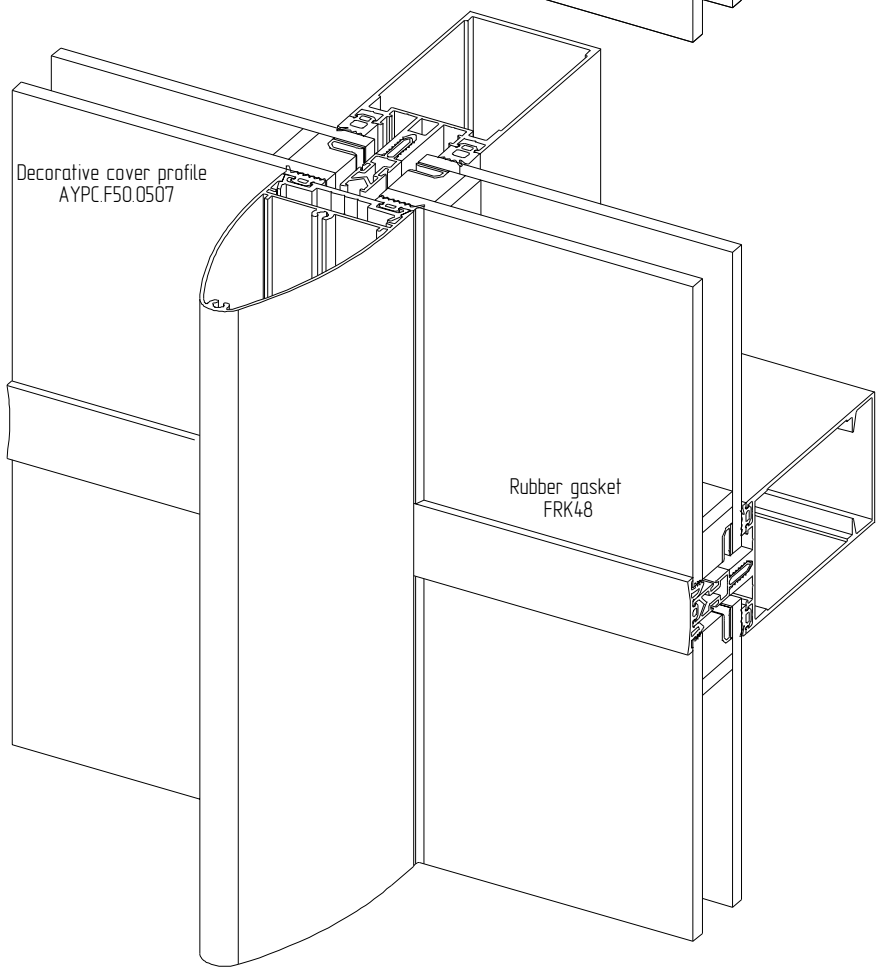
Solutions of ALT F50 SG structural glazed system





Solutions of ALT F50 SG structural glazed system





Order information. Coding

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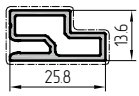
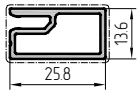
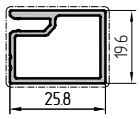
AYPC.F50.1203 	0.328	–	–	–	–	97.9	1.216	113030856	A05–E6	6.8	10	68	22.3	22.7
AYPC.F50.1204 	0.330	–	–	–	–	98.0	1.220	113031856	A05–E6	6.8	10	68	22.4	22.8
AYPC.F50.1205 	0.375	–	–	–	–	110.3	138.8	113032856	A05–E6	6.8	10	68	22.5	26.0
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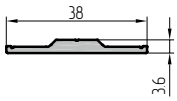
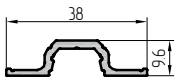
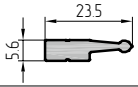
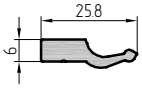
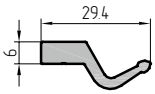
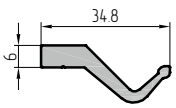
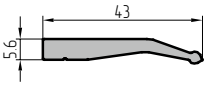
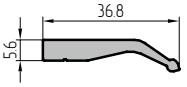
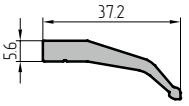
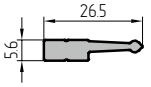
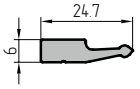
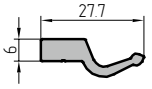
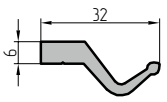
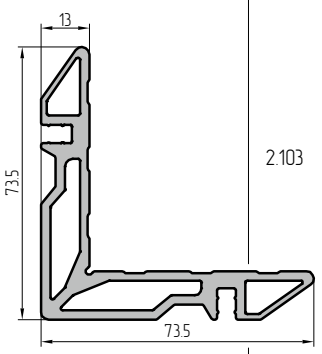
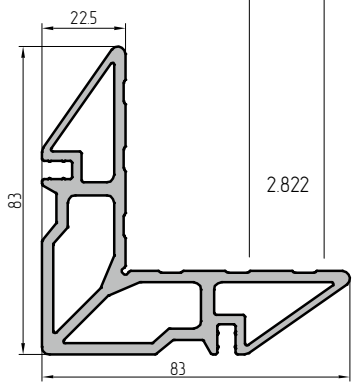
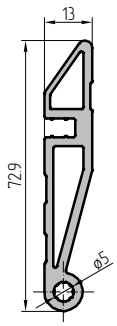
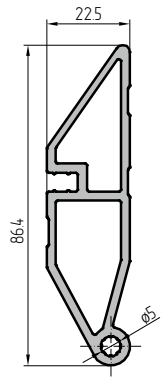
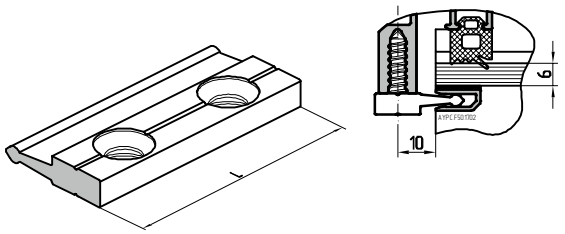
AYPC.F50.1602 	0.236	–	–	–	–	81.8	0.872	11300600 11300621 11300624 11300630 11300631 11300632	00 RAL 9016 RAL 8014 RAL 8017 RAL 9006 RAL 9005	6.8	32	217.6	51.3 53.9 53.9 53.9 53.9 53.9	54.8 55.3 55.3 55.3 55.3 55.3
AYPC.F50.1601 	0.256	–	–	–	–	103.7	0.946	11300500 11300521 11300524 11300530 11300531 11300532	00 RAL 9016 RAL 8014 RAL 8017 RAL 9006 RAL 9005	6.8	16	108.8	27.8 29.6 29.6 29.6 29.6 29.6	28.3 30.6 30.6 30.6 30.6 30.6
AYPC.F50.1604 	0.255	–	–	–	–	56.7	0.904	11302200	00	3.4	5	17	4.3	4.3
AYPC.F50.1605 	0.300	–	–	–	–	62.8	1.110	11302300	00	3.4	5	17	5.1	5.1
AYPC.F50.1606 	0.367	–	–	–	–	77.9	1.359	11302400	00	3.4	5	17	6.2	6.2
AYPC.F50.1607 	0.456	–	–	–	–	91.9	1.688	11302500	00	3.4	5	17	7.8	7.8

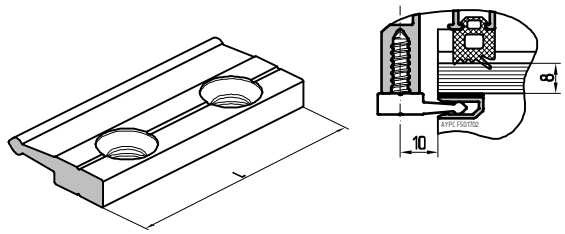
Article / Drawing	Weight kg/m	J_x, cm^4	W_x, cm^3	J_y, cm^4	W_y, cm^3	External perimeter, mm	Cross sectional area, cm^2	Code	Profile color	Bar length, m	Quantity in pack: pcs	Quantity in pack: m	Weight of package: net, kg	Weight of package: gros, kg
AYPC.F50.1608 	0.485	–	–	–	–	94.5	1.797	11302600	00	3.4	5	17	8.2	8.3
AYPC.F50.1609 	0.421	–	–	–	–	84.4	1.559	11302700	00	3.4	5	17	7.2	7.2
AYPC.F50.1610 	0.457	–	–	–	–	89.8	1.692	11302800	00	3.4	5	17	7.8	7.8
AYPC.F50.1614 	0.273	–	–	–	–	62.7	1.011	11305500	00	3.4	6	20.4	5.6	5.6
AYPC.F50.1615 	0.282	–	–	–	–	59.06	1.044	11305600	00	3.4	6	20.4	5.7	5.7
AYPC.F50.1616 	0.326	–	–	–	–	70.8	1.208	11305700	00	3.4	6	20.4	6.6	6.6
AYPC.F50.1617 	0.407	–	–	–	–	85.2	1.506	11305800	00	3.4	6	20.4	8.3	8.3
AYPC.F50.1702 	0.088	–	–	–	–	53.2	0.287	113033856	Belt/A05-E6	6.8	30	204	18.4	18.4
AYPC.C48.0702 	2.103	–	–	–	–	322.9	7.761	10403600	00	3.25	2	6.5	13.6	13.6

Article / Drawing	Weight kg/m	J_x, cm^4	W_x, cm^3	J_y, cm^4	W_y, cm^3	External perimeter, mm	Cross sectional area, cm^2	Code	Profile color	Bar length, m	Quantity in pack: pcs	Quantity in pack: m	Weight of package: net, kg	Weight of package: gros, kg
AYPC.C48.0703 	2.822	–	–	–	–	347.0	10.453	10403700	00	3.25	2	6.5	18.3	18.4
AYPC.C48.0707 	1.072	–	–	–	–	175.9	3.972	10405600	00	3.25	4	13	13.9	13.9
AYPC.C48.0708 	1.384	–	–	–	–	210.6	5.127	10405700	00	3.25	4	13	18.0	18.0

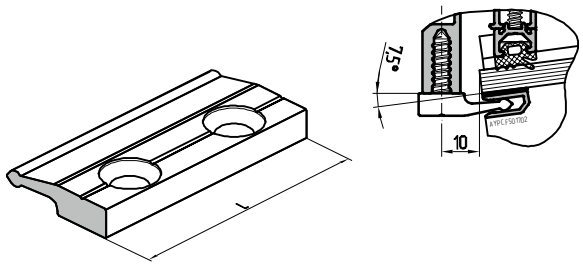
Accessories



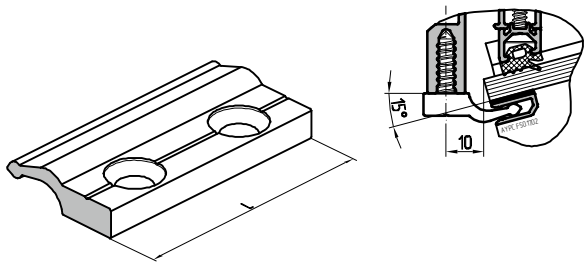
Clamp, made of AYPC.F50.1604 profile	
Code	11325100
Article	AYPC.F50.1964
Length L, mm	50
Min. packing quantity, pcs.	50
Color	00



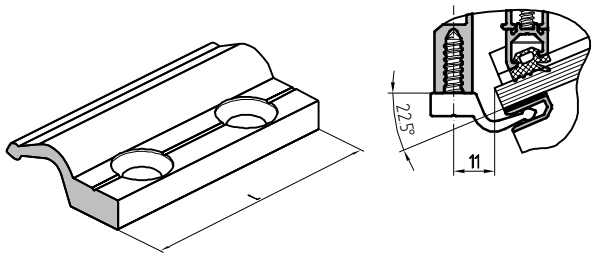
Clamp, made of AYPC.F50.1604 profile	
Code	11326500
Article	AYPC.F50.1964-01
Length L, mm	50
Min. packing quantity, pcs.	50
Color	00



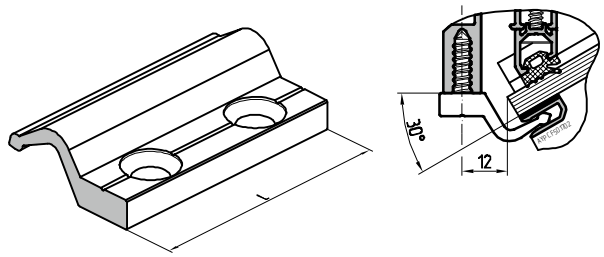
Clamp, made of AYPC.F50.1615 profile	
Code	11325800
Article	AYPC.F50.1971
Length L, mm	50
Min. packing quantity, pcs.	50
Color	00



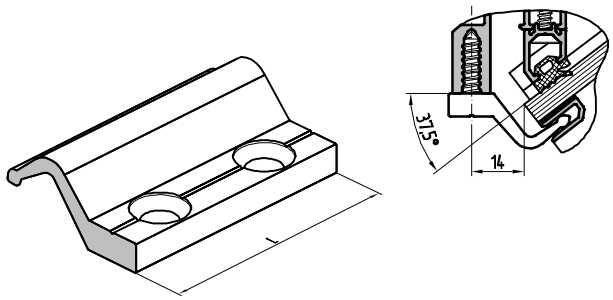
Clamp, made of AYPC.F50.1605 profile	
Code	11325200
Article	AYPC.F50.1965
Length L, mm	50
Min. packing quantity, pcs.	50
Color	00



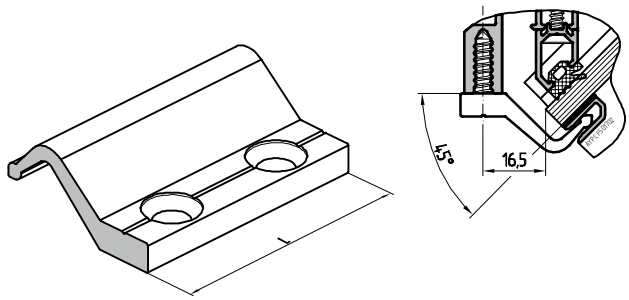
Clamp, made of AYPC.F50.1616 profile	
Code	11326700
Article	AYPC.F50.1972
Length L, mm	50
Min. packing quantity, pcs.	50
Color	00



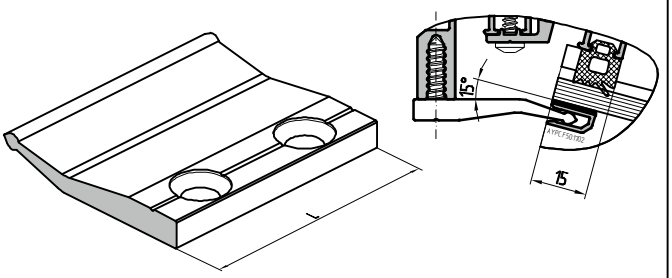
Clamp, made of AYPC.F50.1606 profile	
Code	11325300
Article	AYPC.F50.1966
Length L, mm	50
Min. packing quantity, pcs.	50
Color	00



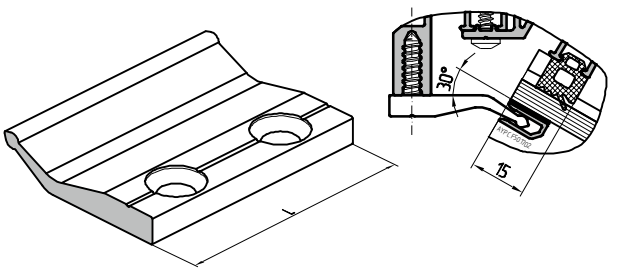
Clamp, made of AYPC.F50.1617 profile	
Code	11326800
Article	AYPC.F50.1973
Length L, mm	50
Min. packing quantity, pcs.	50
Color	00



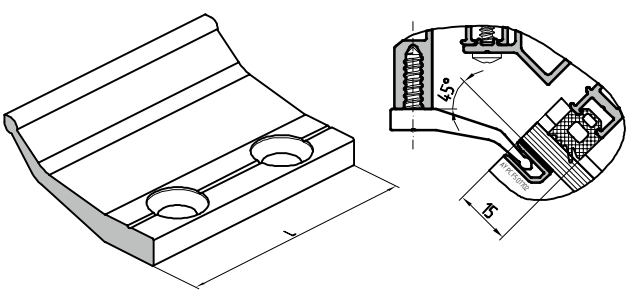
Clamp, made of AYPC.F50.1607 profile	
Code	11325400
Article	AYPC.F50.1967
Length L, mm	50
Min. packing quantity, pcs.	50
Color	00



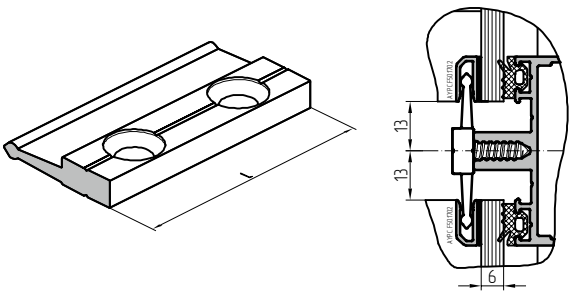
Clamp, made of AYPC.F50.1608 profile	
Code	11325500
Article	AYPC.F50.1968
Length L, mm	50
Min. packing quantity, pcs.	50
Color	00



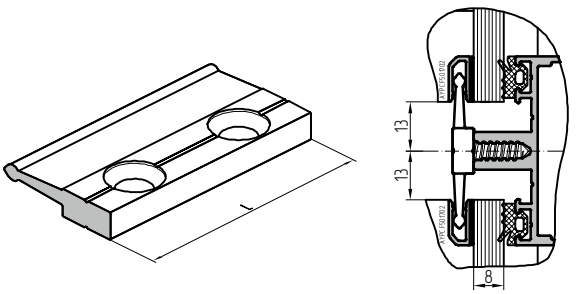
Clamp, made of AYPC.F50.1609 profile	
Code	11325600
Article	AYPC.F50.1969
Length L, mm	50
Min. packing quantity, pcs.	50
Color	00



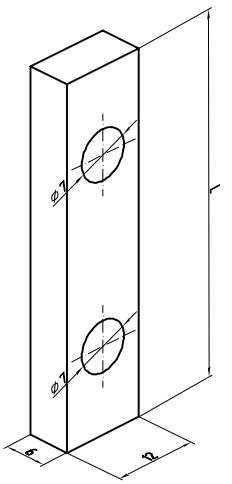
Clamp, made of AYPC.F50.1610 profile	
Code	11325700
Article	AYPC.F50.1970
Length L, mm	50
Min. packing quantity, pcs.	50
Color	00



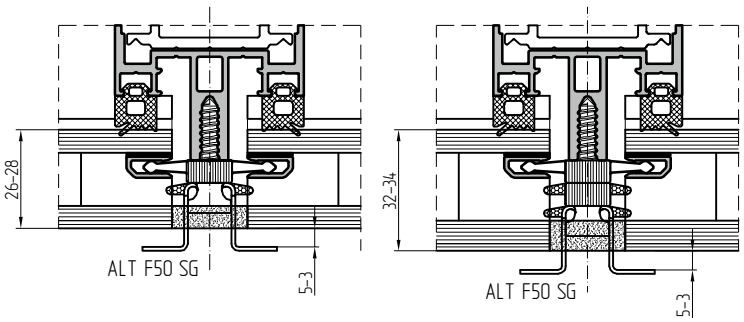
Clamp, made of AYPC.F50.1614 profile	
Code	11326400
Article	AYPC.F50.1974
Length L, mm	50
Min. packing quantity, pcs.	50
Color	00

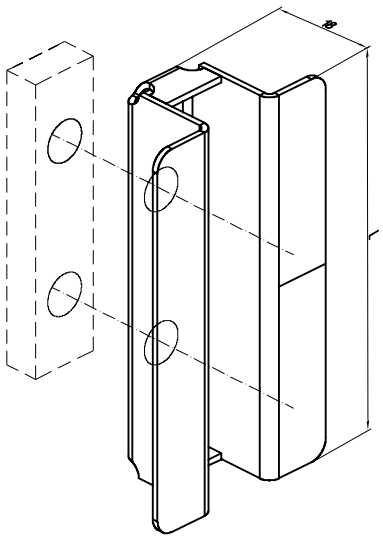


Clamp, made of AYPC.F50.1614 profile	
Code	11326600
Article	AYPC.F50.1974-01
Length L, mm	50
Min. packing quantity, pcs.	50
Color	00

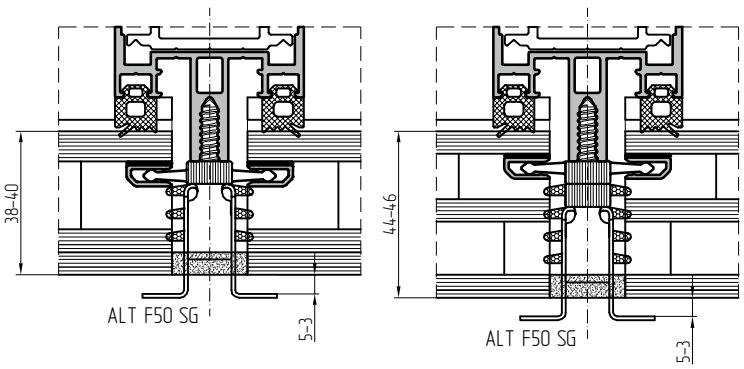


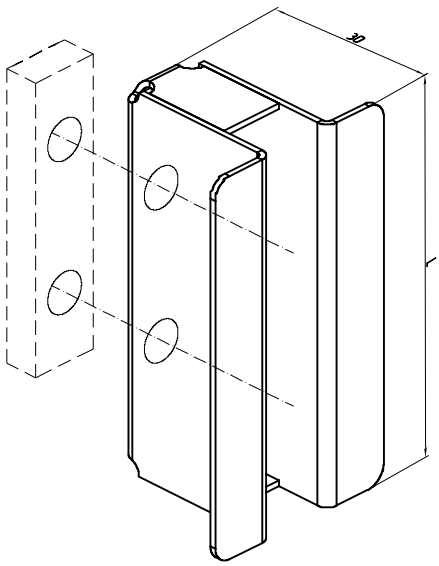
Support for clamp and securing element	
Code	11325900
Article	AYPC.F50.1945
Min. packing quantity, pcs.	50
Length L, mm	50
Color	Black



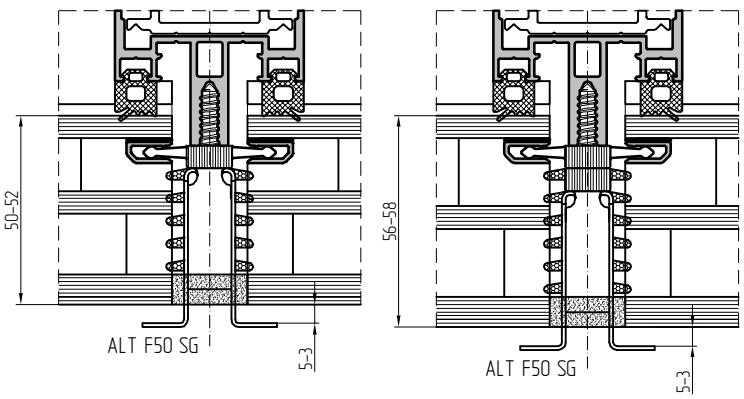


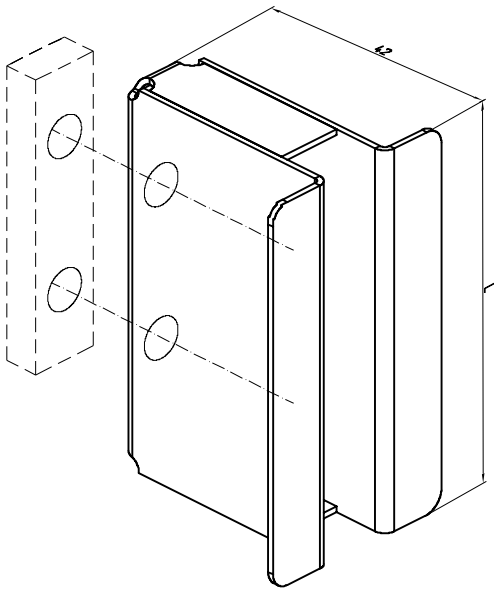
Securing element	
Code	11326000
Article	AYPC.F50.1946
Length L, mm	65
Min. packing quantity, pcs.	36
Color	stainless steel



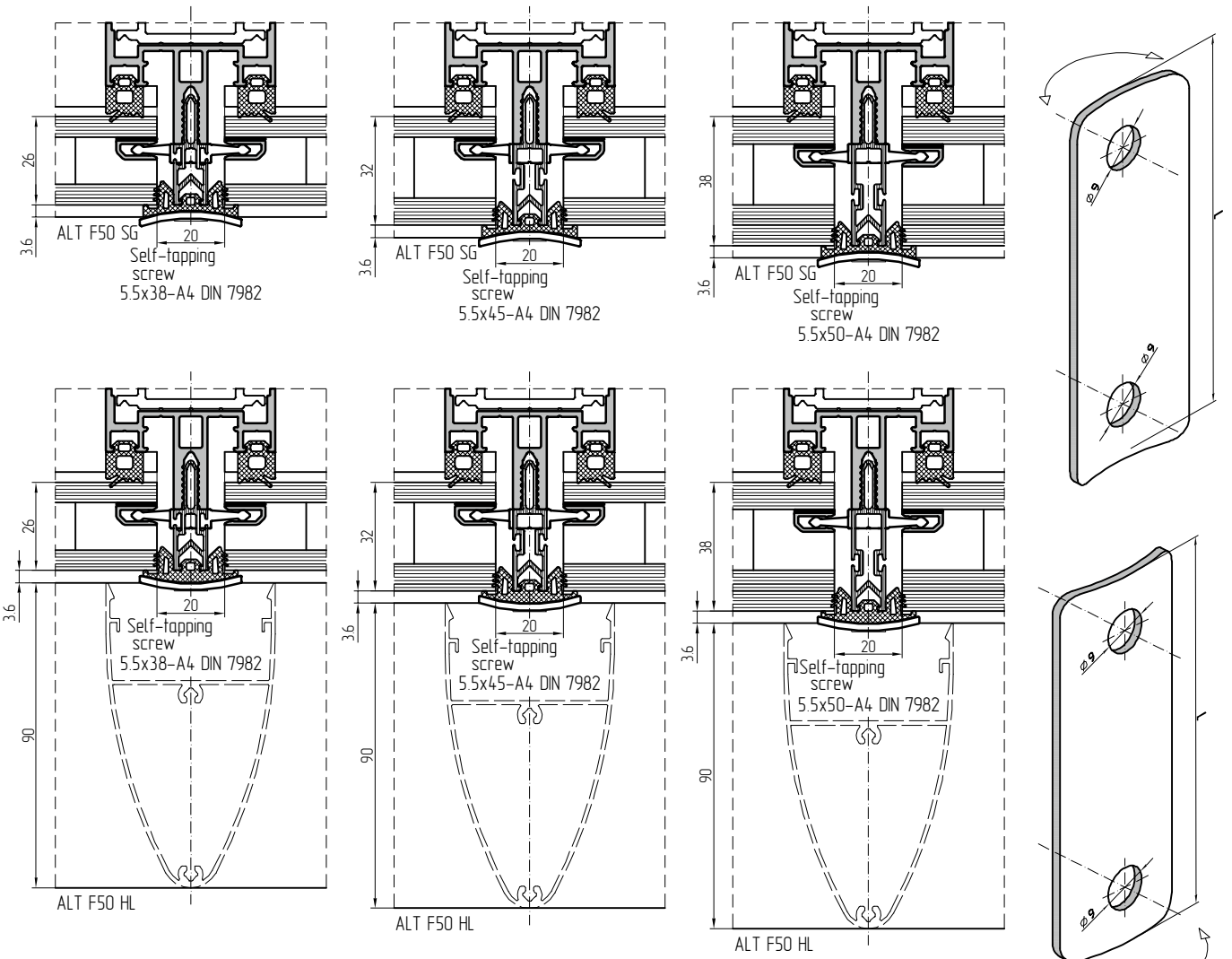


Securing element	
Code	11326900
Article	AYPC.F50.1946-01
Length L, mm	65
Min. packing quantity, pcs.	30
Color	stainless steel

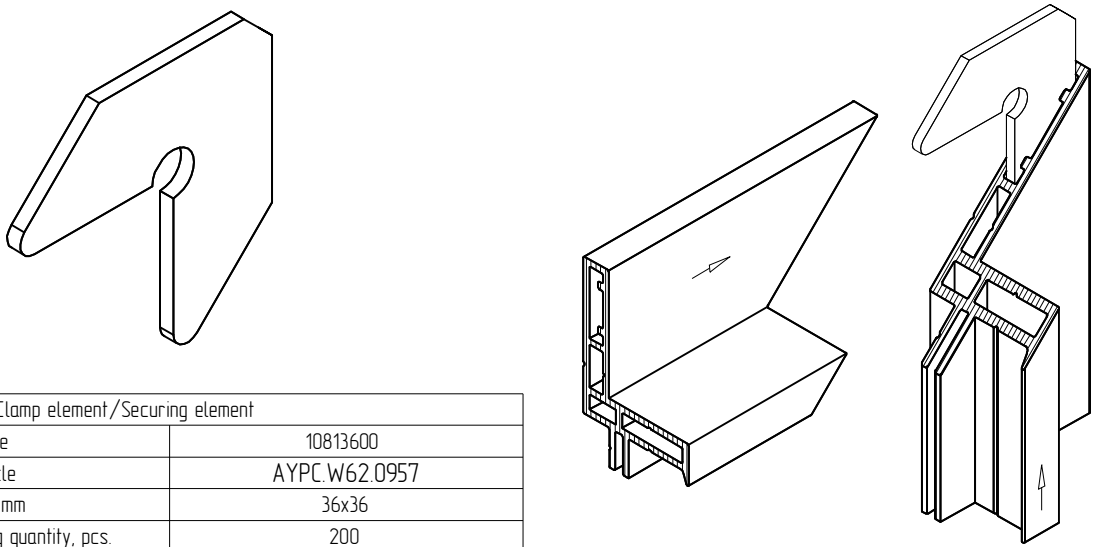




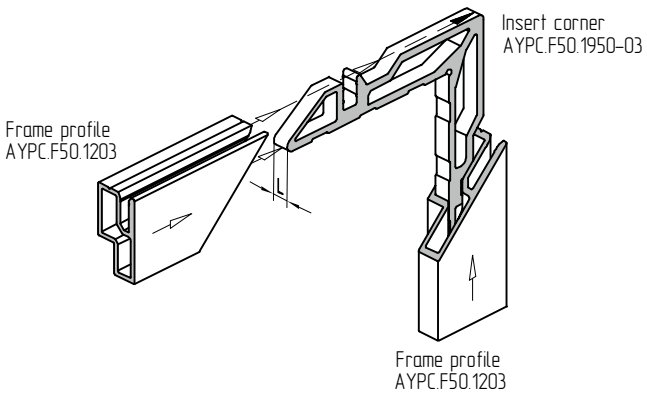
Securing element	
Code	113227000
Article	AYPC.F50.1946-02
Length L, mm	65
Min. packing quantity, pcs.	20
Color	stainless steel



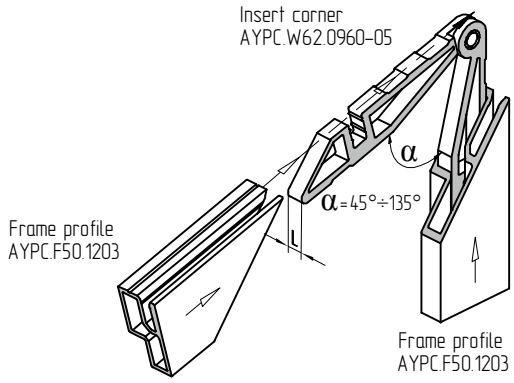
Clamp element/Securing element	
Code	11326232
Article	AYPC.F50.1948
Length L, mm	80
Min. packing quantity, pcs.	50
Color	RAL 9005



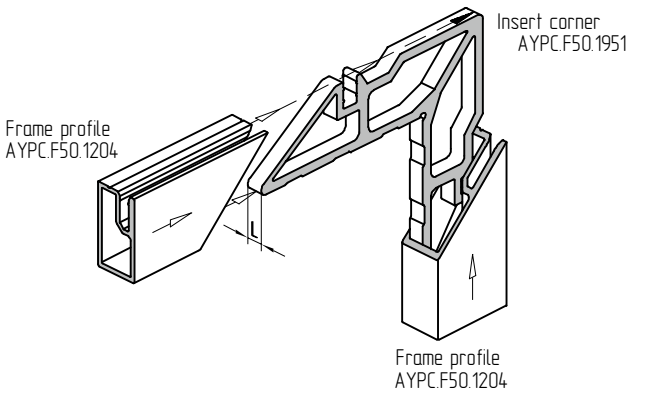
Clamp element/Securing element	
Code	10813600
Article	AYPC.W62.0957
Size, mm	36x36
Min. packing quantity, pcs.	200
Color	00



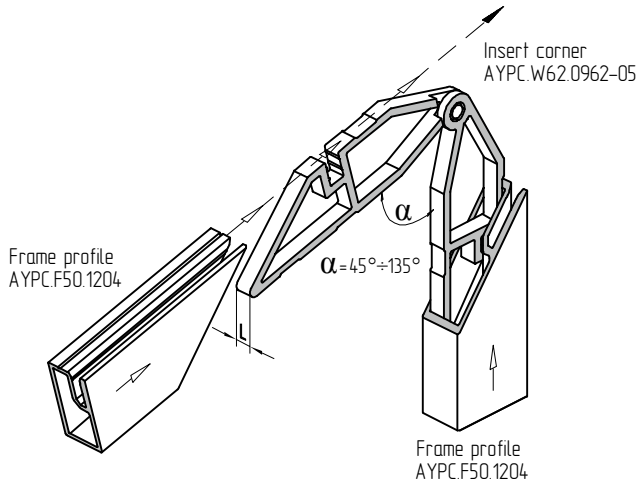
Insert corner, made of AYPC.C48.0702					Color	00
Code	Article	Length L, mm	For frame	Article	Min. packing qnt, pcs.	
11227400	AYPC.F50.1950-03	5.0	AYPC.F50.1203	–	50	



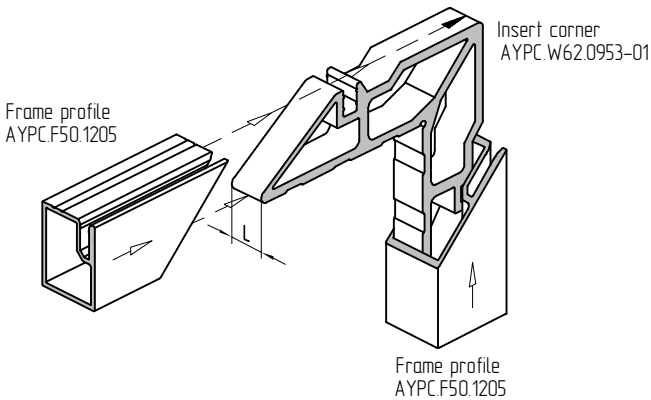
Insert corner, made of AYPC.C48.0707					Color	00
Code	Article	Length L, mm	For frame	Article	Min. packing qnt, pcs.	
10814800	AYPC.W62.0960-05	5.0	AYPC.F50.1203	–	50	



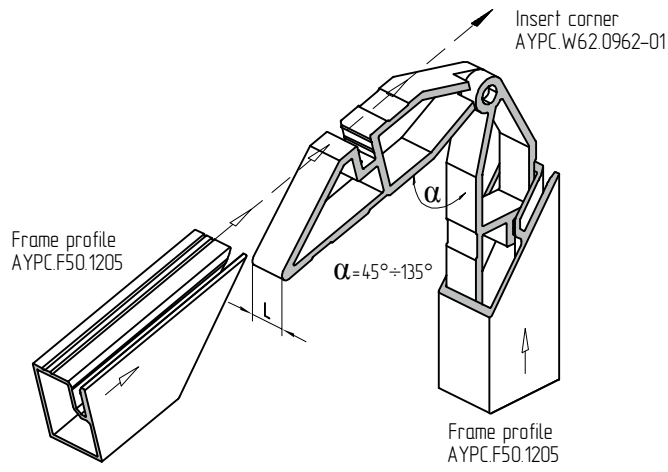
Insert corner, made of AYPC.C48.0703					Color	00
Code	Article	Length L, mm	For frame	Article	Min. packing qnt, pcs.	
11227500	AYPC.F50.1951	5.0	AYPC.F50.1204	–	50	



Insert corner, made of AYPC.C48.0708					Color	00
Code	Article	Length L, mm	For frame	Article	Min. packing qnt, pcs.	
10814700	AYPC.W62.0962-05	5.0	AYPC.F50.1204	–	50	

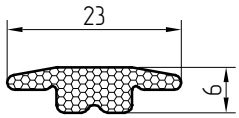
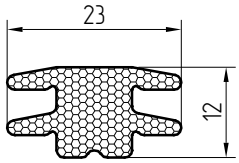
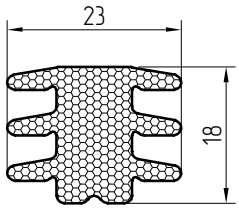
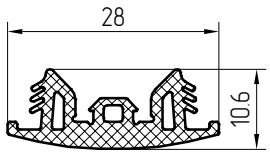
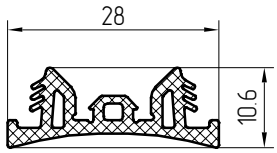
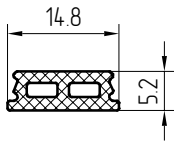


Insert corner, made of AYPC.C48.0703					Color	00
Code	Article	Length L, mm	For frame	Article	Min. packing qnt, pcs.	
10812400	AYPC.W62.0953-01	11.0	AYPC.F50.1205	–	200	

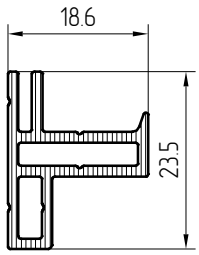
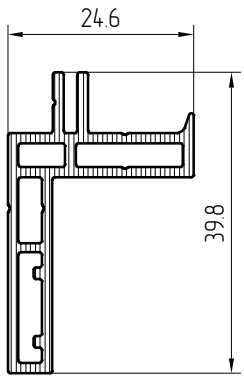
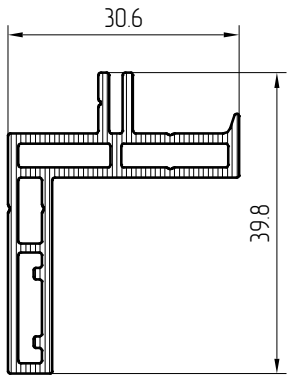


Insert corner, made of AYPC.C48.0708					Color	00
Code	Article	Length L, mm	For frame	Article	Min. packing qnt, pcs.	
10814300	AYPC.W62.0962-01	11.0	AYPC.F50.1205	–	28	

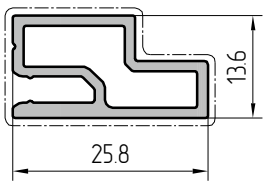
Gaskets (1:1)

Article	Code	Section	Weight, kg/m	Material	Qty in pack, m	Description
AYPC.F50.1921	11310800		0.003	PE	400	Felt sealant
AYPC.F50.1922	11310900		0.006	PE	225	Felt sealant
AYPC.F50.1923	11311000		0.008	PE	150	Felt sealant
FRK47	11315500		0.165	EPDM	100	Rubber gasket
FRK48	11315600		0.155	EPDM	100	Rubber gasket
FRK49	11315700		0.07	EPDM	125	Rubber gasket

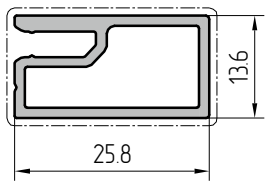
PVC profiles (PVC-U-HI) (1:1)

Article	Code	Section	Weight kg/m	Material	Bar length, m	Packing		Description
						pcs	m	
AYPC.F50.1913	11310500		0.168	HPVC-U-HI	5.8	32	185.6	Frame profile
AYPC.F50.1914	11310600		0.276	HPVC-U-HI	5.8	20	116	Frame profile
AYPC.F50.1915	11310700		0.300	HPVC-U-HI	5.8	10	58	Frame profile

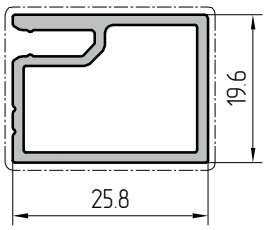
System profiles (1:1)



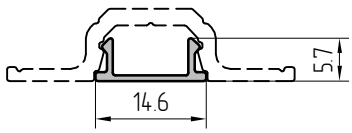
Scale 1:1	Frame profile 13.6 mm
AYPC.F50.1203	Article
0.328 kg	Estimated weight 1 m
97.9 mm	External perimeter
1.216 cm²	Cross-sectional area
—·—·—·—·—	Anod treatment



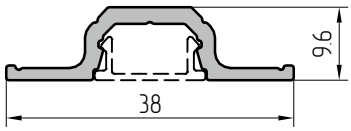
Scale 1:1	Frame profile 13.6 mm
AYPC.F50.1204	Article
0.330 kg	Estimated weight 1 m
98.0 mm	External perimeter
1.220 cm²	Cross-sectional area
—·—·—·—·—	Anod treatment



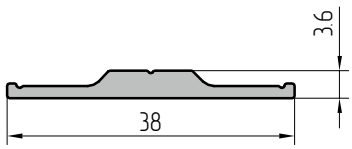
Scale 1:1	Frame profile 19.6 mm
AYPC.F50.1205	Article
0.375 kg	Estimated weight 1 m
110.3 mm	External perimeter
1.388 cm²	Cross-sectional area
—·—·—·—·—	Anod treatment



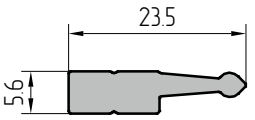
Scale 1:1	Decorative cover 5.7 mm
AYPC.F50.1501	Article
0.059 kg	Estimated weight 1 m
49.70 mm	External perimeter
0.219 cm²	Cross-sectional area



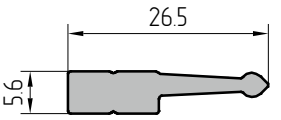
Scale 1:1	Clamp bar profile 9.6 mm
AYPC.F50.1601	Article
0.256 kg	Estimated weight 1 m
103.7 mm	External perimeter
0.946 cm²	Cross-sectional area



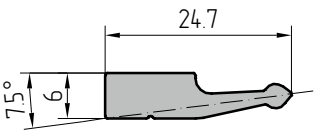
Scale 1:1	Clamp bar profile 3.6 mm
AYPC.F50.1602	Article
0.236 kg	Estimated weight 1 m
81.8 mm	External perimeter
0.872 cm²	Cross-sectional area



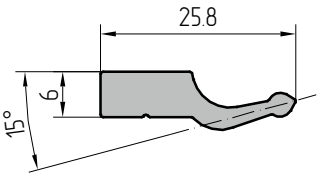
Scale 1:1	Clamp bar profile 23.5 mm
AYPC.F50.1604	Article
0.255 kg	Estimated weight 1 m
56.7 mm	External perimeter
0.904 cm^2	Cross-sectional area



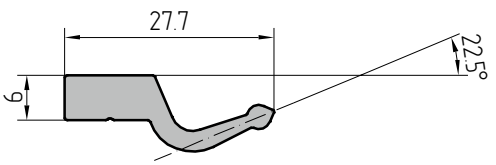
Scale 1:1	Clamp bar profile 26.5 mm
AYPC.F50.1614	Article
0.273 kg	Estimated weight 1 m
62.7 mm	External perimeter
1.011 cm^2	Cross-sectional area



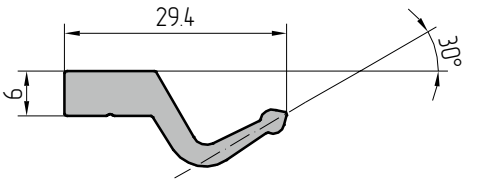
Scale 1:1	Clamp bar profile 24.7 mm
AYPC.F50.1615	Article
0.282 kg	Estimated weight 1 m
59.06 mm	External perimeter
1.044 cm^2	Cross-sectional area



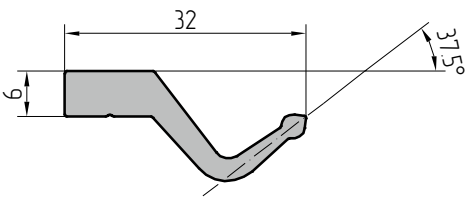
Scale 1:1	Clamp bar profile 25.8 mm
AYPC.F50.1605	Article
0.300 kg	Estimated weight 1 m
62.8 mm	External perimeter
1.110 cm^2	Cross-sectional area



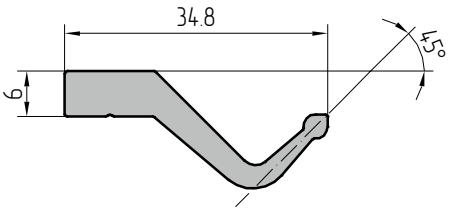
Scale 1:1	Clamp bar profile 27.7 mm
AYPC.F50.1616	Article
0.326 kg	Estimated weight 1 m
70.8 mm	External perimeter
1.208 cm^2	Cross-sectional area



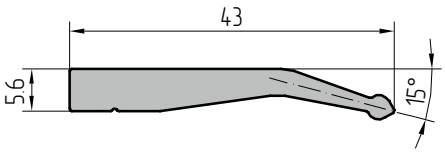
Scale 1:1	Clamp bar profile 29.4 mm
AYPC.F50.1606	Article
0.367 kg	Estimated weight 1 m
77.9 mm	External perimeter
1.359 cm^2	Cross-sectional area



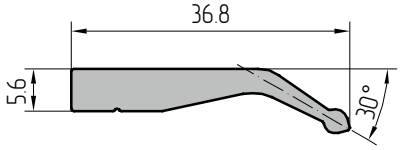
Scale 1:1	Clamp bar profile 32.0 mm
AYPC.F50.1617	Article
0.407 kg	Estimated weight 1 m
85.2 mm	External perimeter
1.506 cm^2	Cross-sectional area



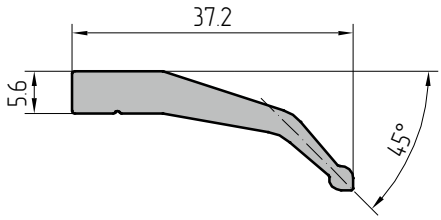
Scale 1:1	Clamp bar profile 34.8 mm
AYPC.F50.1607	Article
0.456 kg	Estimated weight 1 m
91.9 mm	External perimeter
1.688 cm^2	Cross-sectional area



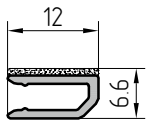
Scale 1:1	Clamp bar profile 43 mm
AYPC.F50.1608	Article
0.485 kg	Estimated weight 1 m
94.5 mm	External perimeter
1.797 cm²	Cross-sectional area



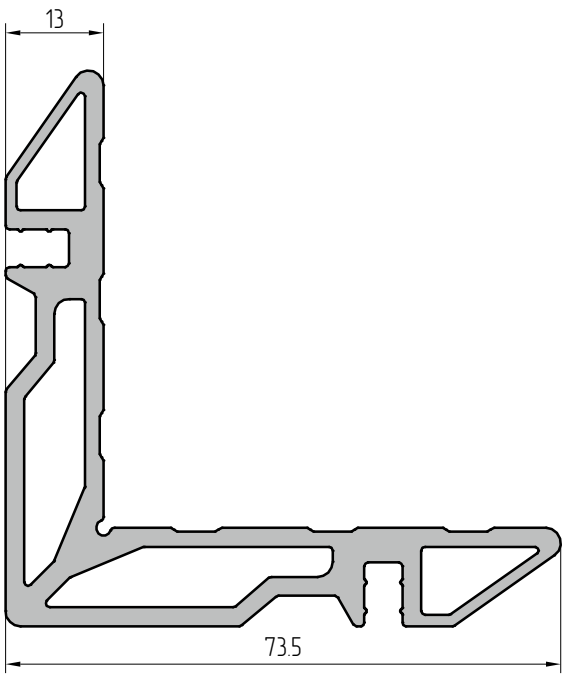
Scale 1:1	Clamp bar profile 36.8 mm
AYPC.F50.1609	Article
0.421 kg	Estimated weight 1 m
84.4 mm	External perimeter
1.559 cm²	Cross-sectional area



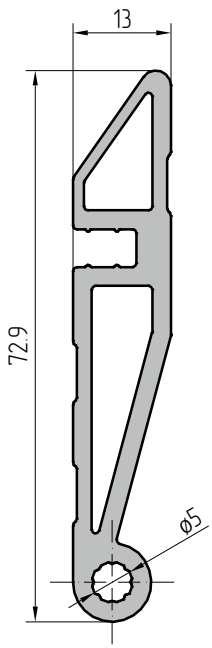
Scale 1:1	Clamp bar profile 37.2 mm
AYPC.F50.1610	Article
0.457 kg	Estimated weight 1 m
89.8 mm	External perimeter
1.692 cm²	Cross-sectional area



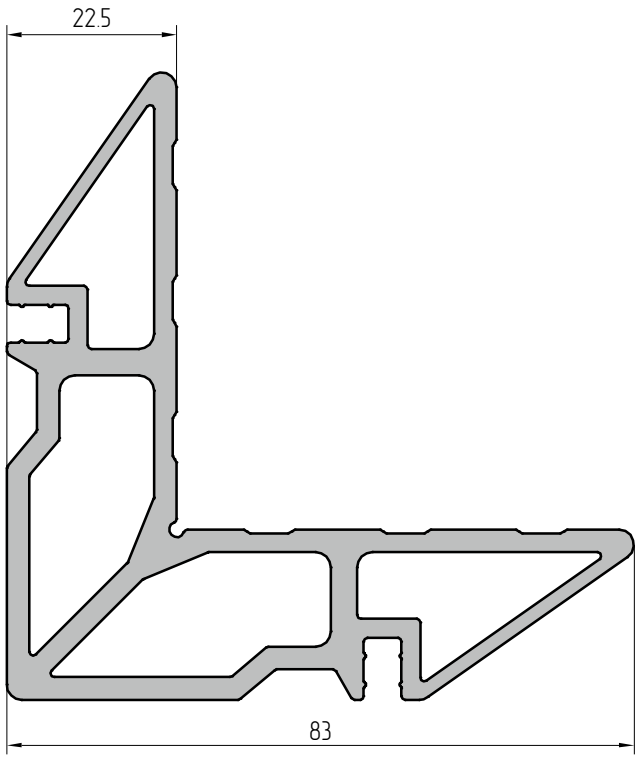
Scale 1:1	Auxiliary profile 6.6 mm
AYPC.F50.1702	Article
0.088 kg	Estimated weight 1 m
53.2 mm	External perimeter
0.287 cm²	Cross-sectional area



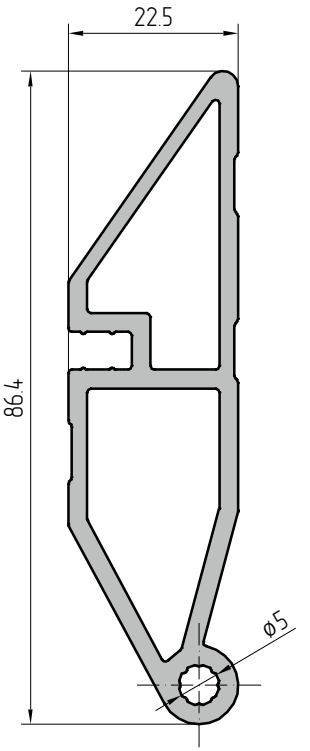
Scale 1:1	Crimping corner profile 13 mm
AYPC.C48.0702	Article
2.103 kg	Estimated weight 1 m
322.9 mm	External perimeter
7.761 cm²	Cross-sectional area



Scale 1:1	Crimping corner profile 13 mm
AYPC.C48.0707	Article
1.072 kg	Estimated weight 1 m
175.9 mm	External perimeter
3.972 cm²	Cross-sectional area



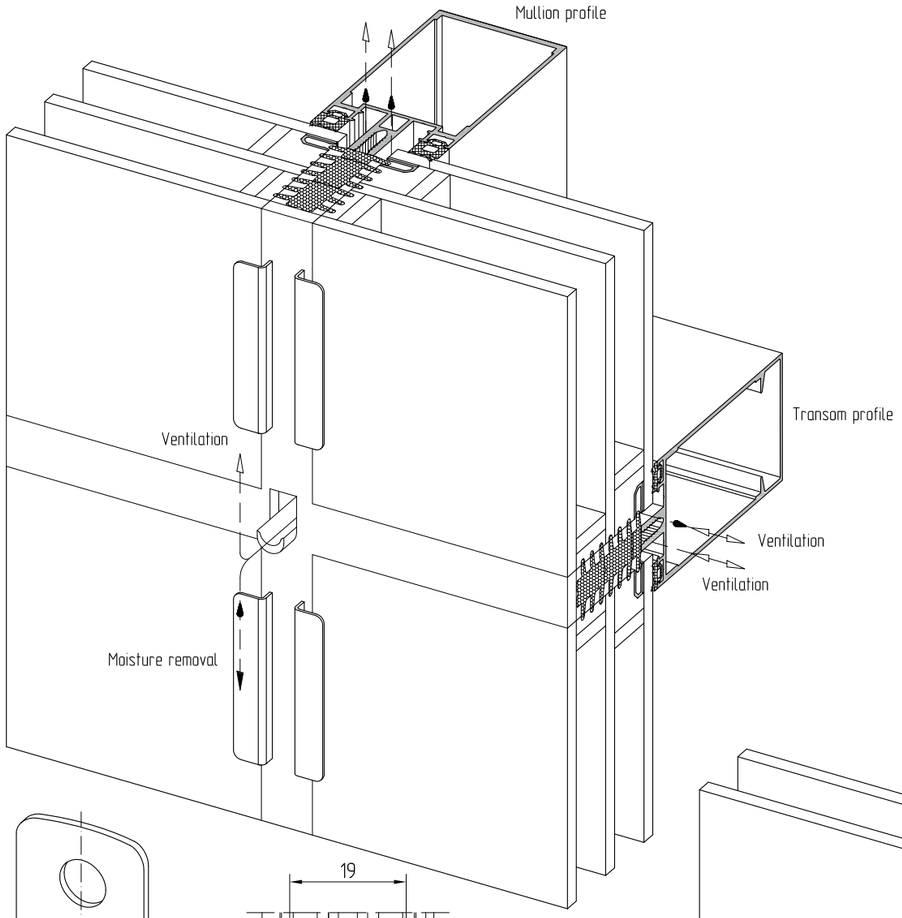
Scale 1:1	Crimping corner profile 22.5 mm
AYPC.C48.0703	Article
2.822 kg	Estimated weight 1 m
347.0 mm	External perimeter
10.453 cm^2	Cross-sectional area

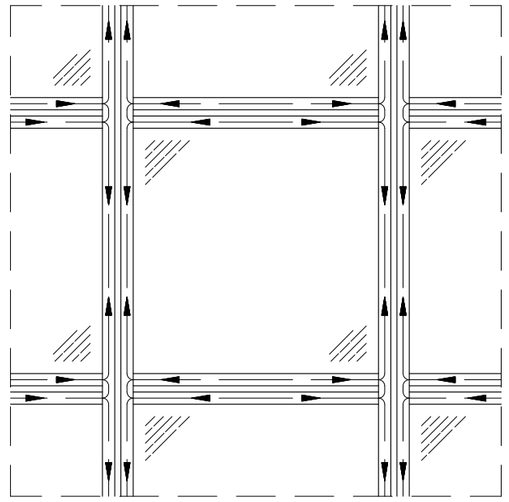


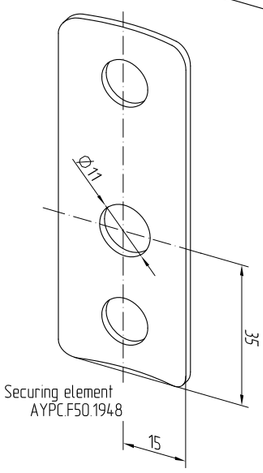
Scale 1:1	Crimping corner profile 22.5 mm
AYPC.C48.0708	Article
1.384 kg	Estimated weight 1 m
210.6 mm	External perimeter
5.127 cm^2	Cross-sectional area

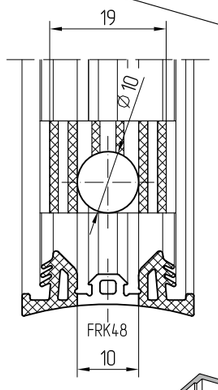
Ventilation and moisture removal layout

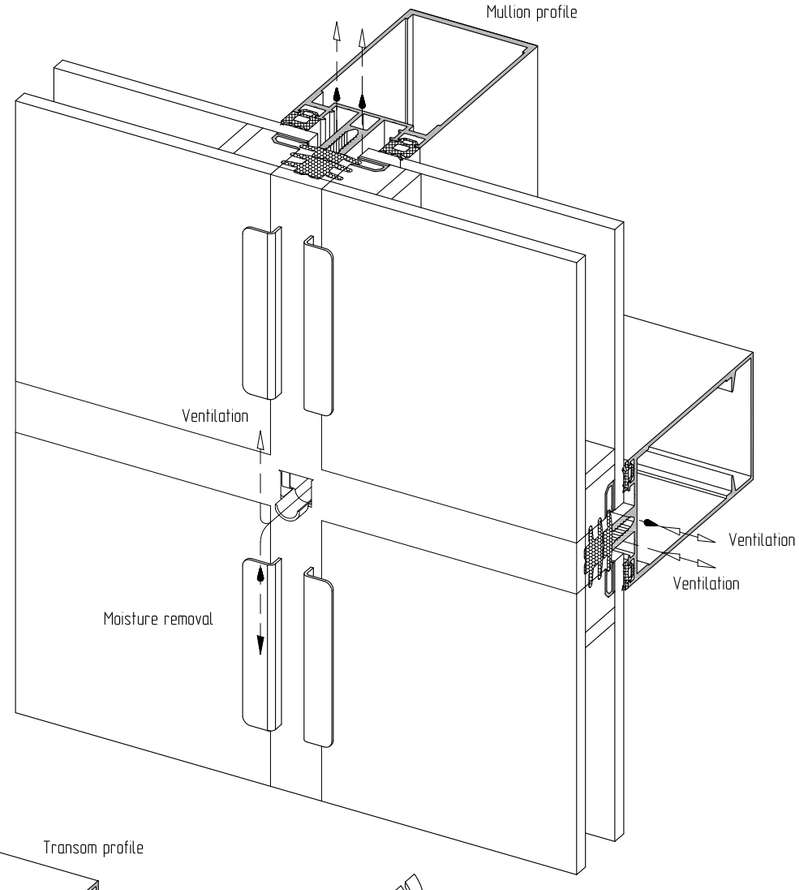
Layout of ventilation and moisture removal from the seam of glass unit place for straight translucent part of curtain wall

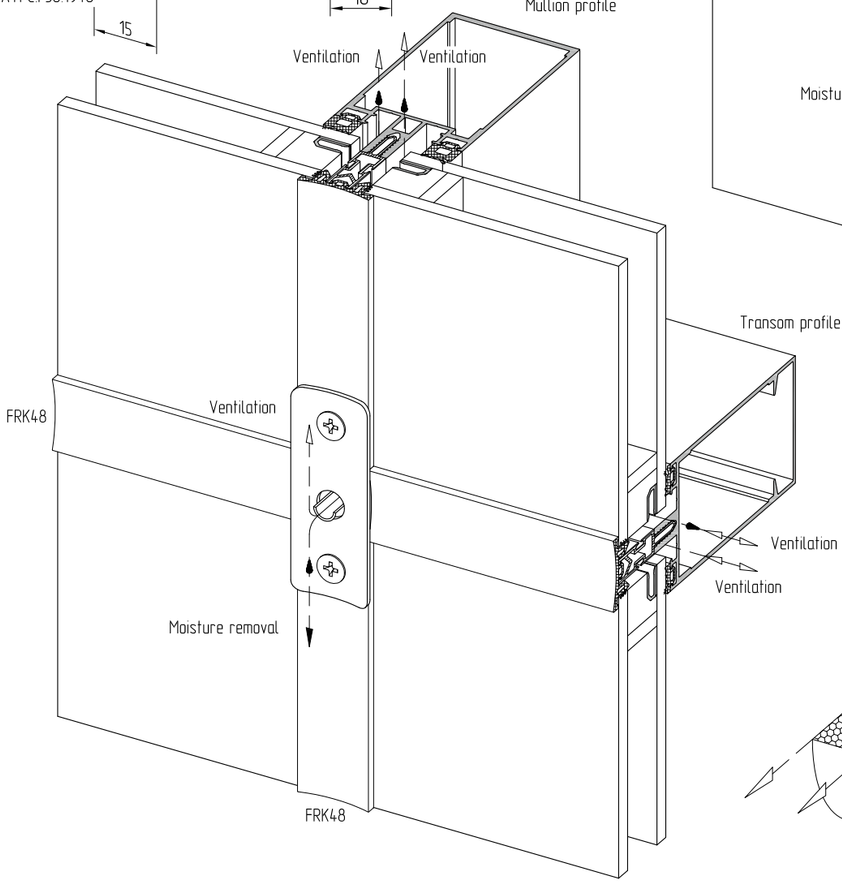


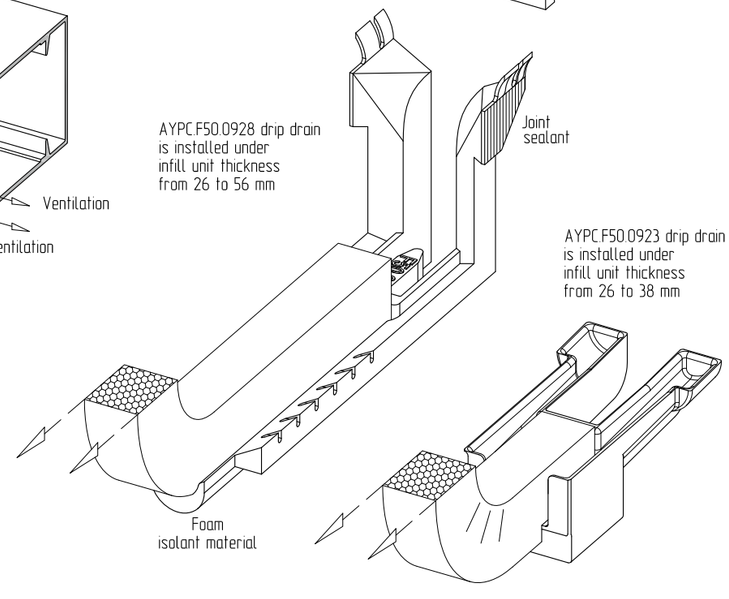








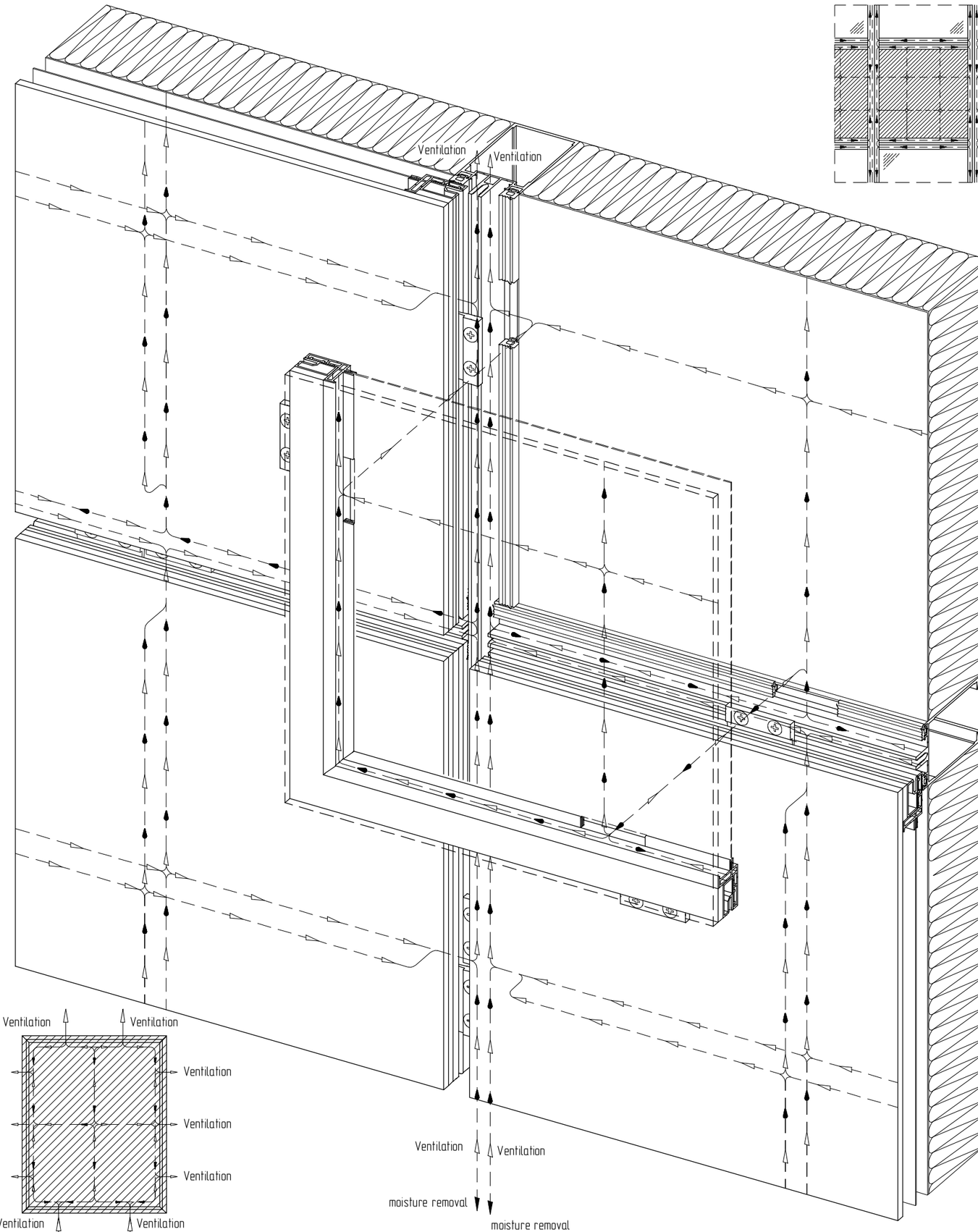


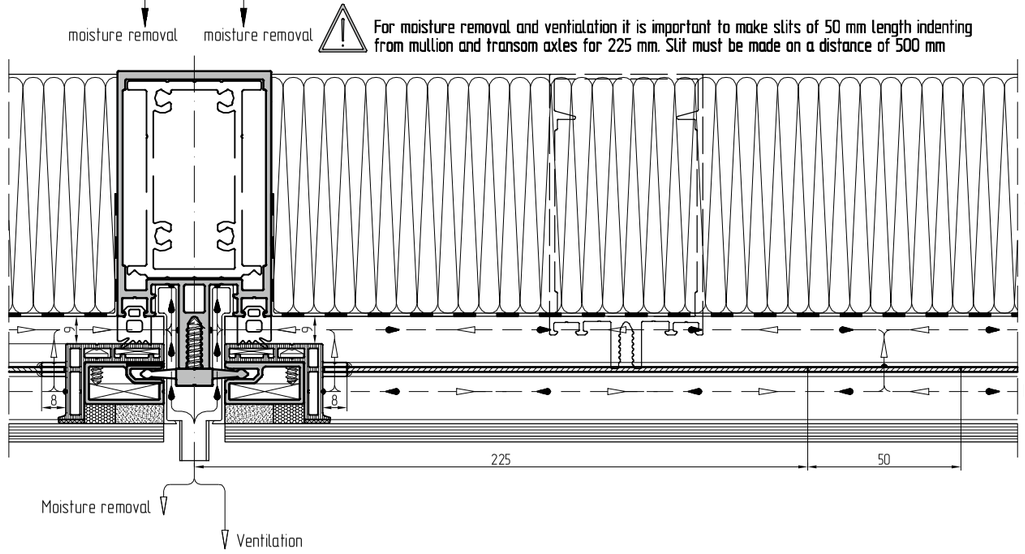


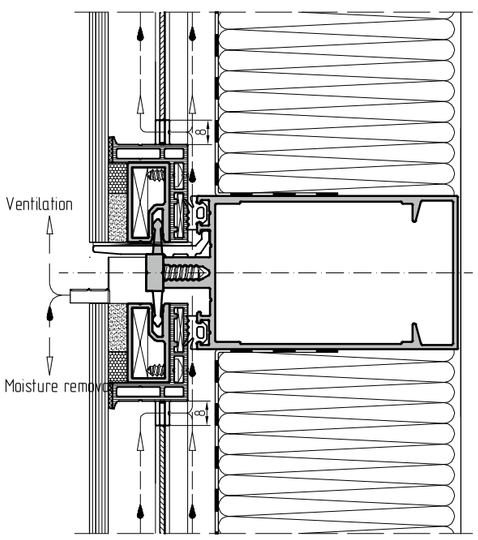
Foam isolant material for joint compression must be put between infill unit to the drip drain during joint compressing. After vulcanization of weather-proof sealant foam material must be removed.

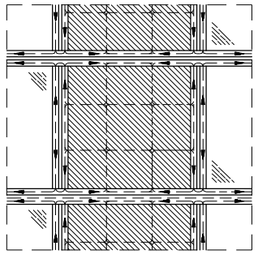
ALUTECH PROFILE SYSTEMS

Layout of ventilation and moisture removal from the seam of glass unit place for straight non-transparent part of curtain wall with vapor permeable membrane and aluminium sheet of 1.5 mm thickness.

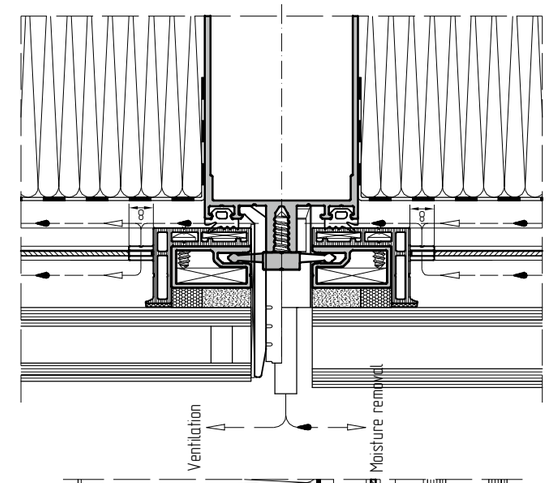


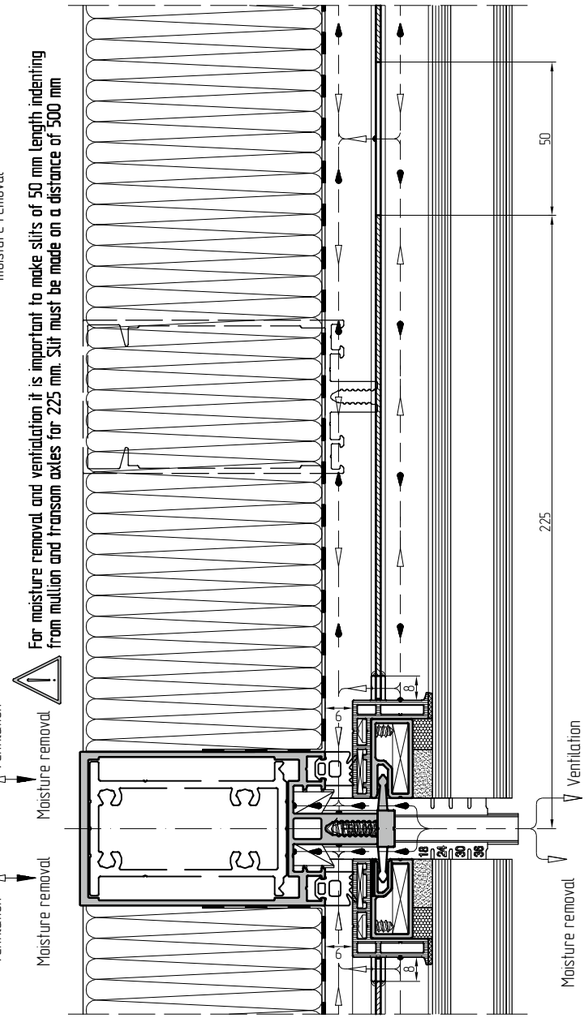


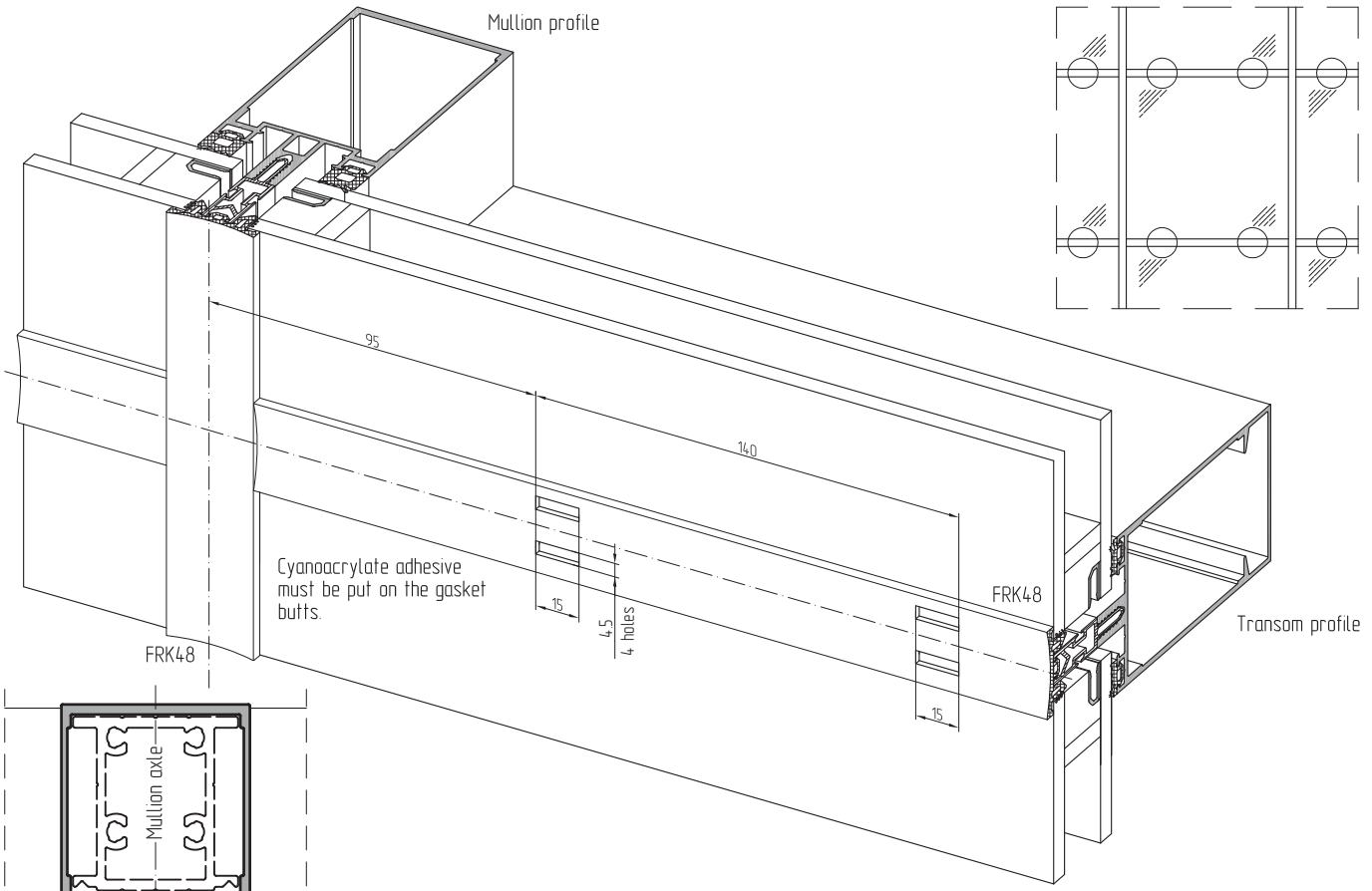


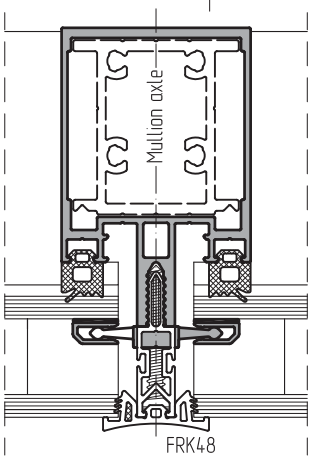


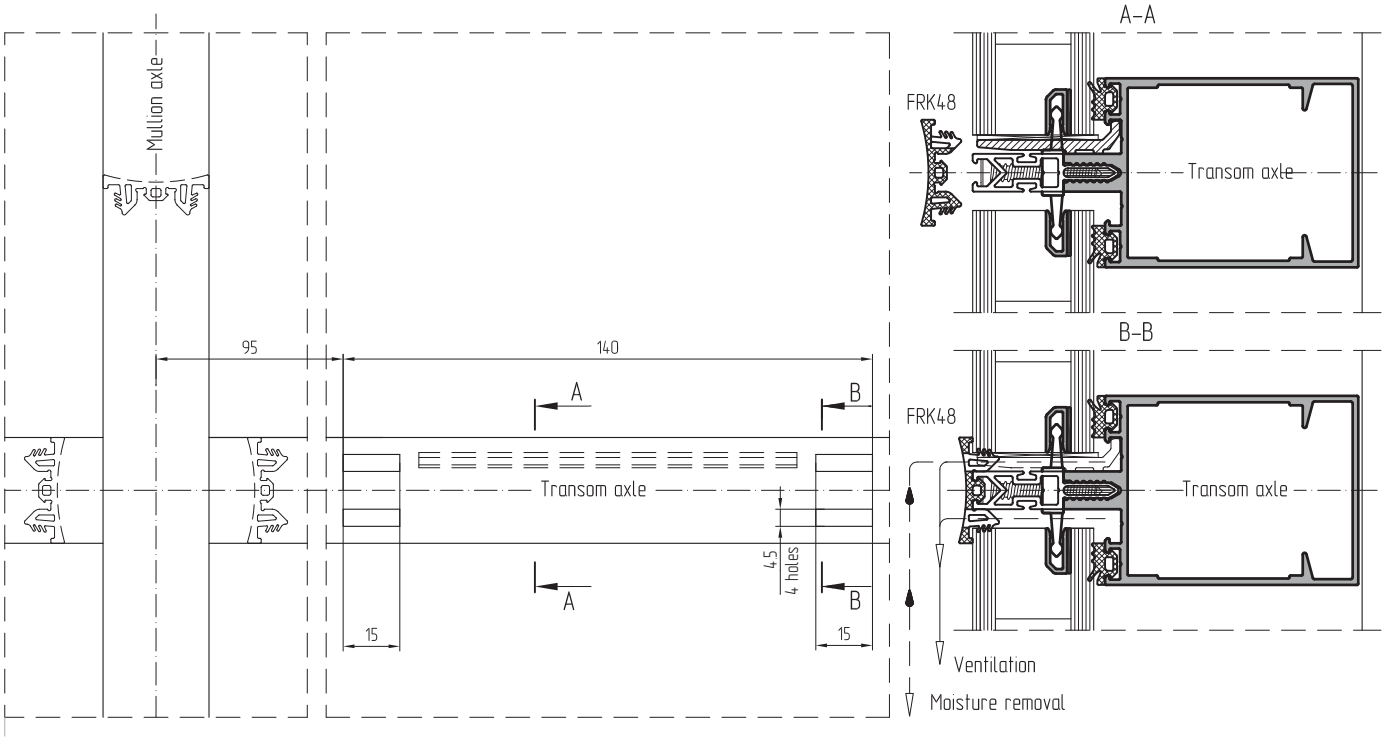
Layout of ventilation and moisture removal from the seam of glass unit place for straight non-transparent part of curtain wall with vapor permeable membrane and aluminium sheet of 1.5 mm thickness.






Mullion profile
95
140
Cyanoacrylate adhesive must be put on the gasket butts.
15
4.5
4 holes
FRK48
FRK48
Transom profile
15

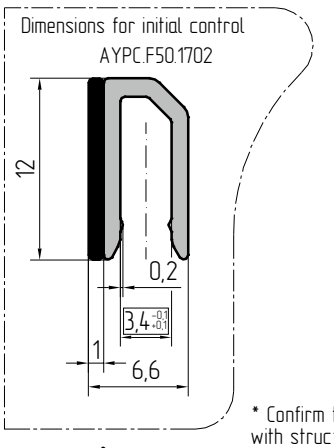

Mullion axle
FRK48

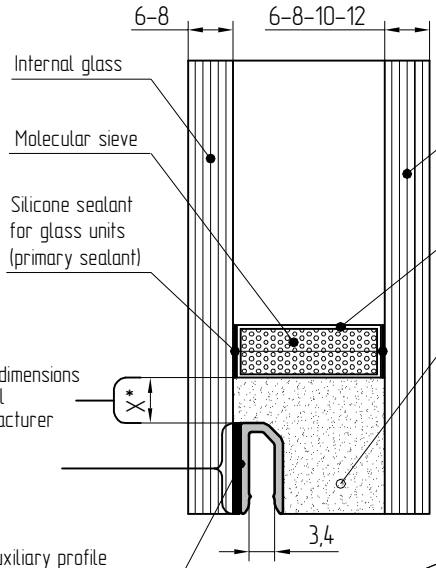

Mullion axle
95
140
A
B
Transom axle
4.5
4 holes
A
B
15
15
A–A
FRK48
Transom axle
B–B
FRK48
Transom axle
Ventilation
Moisture removal

Glazing table

Glass unit for ALT F50 SG system

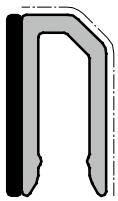
Manufacturer	Primary sealant	Secondary sealant	
Dow Corning	Polyisobutylen	DC 3362	DC 3793
Sika AG	Polyisobutylen	IG-16	IG-25
General Electric	Polyisobutylen	IGS3703	IGS3723





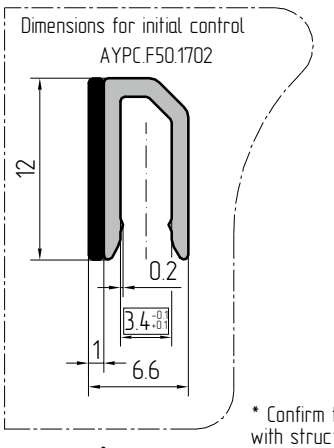
While manufacturing the glass units use the UV-resistant sealant.

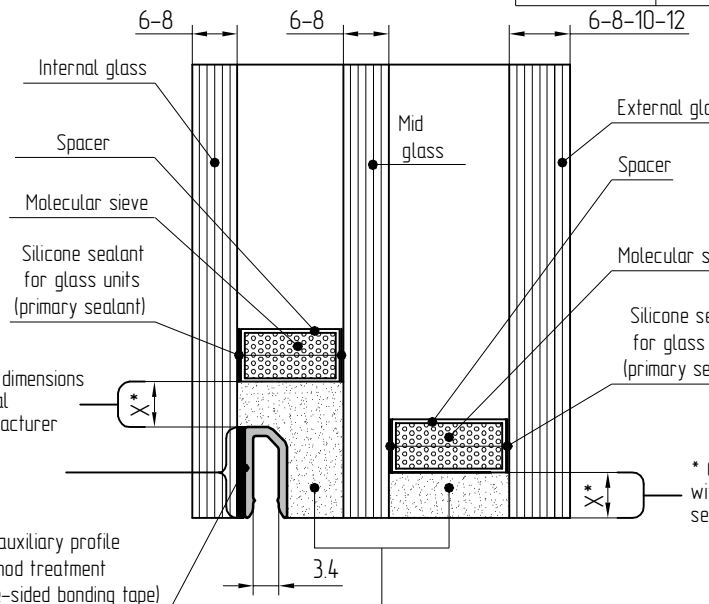
Use following solutions to clean the surface of AYPC.F50.1702 profile before pasting in:
-Dow Corning-R40
-Sika Cleaner-205
-General Electric-Cleaner IP



Glass unit for ALT F50 SG system

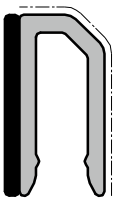
Manufacturer	Primary sealant	Secondary sealant	
Dow Corning	Polyisobutylen	DC 3362	DC 3793
Sika AG	Polyisobutylen	IG-16	IG-25
General Electric	Polyisobutylen	IGS3703	IGS3723





While manufacturing the glass units use the UV-resistant sealant.

Degrease glass surface



Use following solutions to clean the surface of AYPC.F50.1702 profile before pasting in:
-Dow Corning-R40
-Sika Cleaner-205
-General Electric-Cleaner IP

Taking into account project design features
please fill in project check list and send it to Dow Corning.
Please also cosult Dow Corning technical experts about correct application
of products for structural glazing. The requirements will depend on
tests carried out in Dow Corning technical center. The individual recommendations
for each project will be given on the basis of obtained results.

Dow Corning®

Material	Application
Dow Corning® 993	Two-component sealant for structural glazing
Dow Corning® 895	One-component sealant for structural glazing
Dow Corning® 791	Weatherproof one-component sealant
Dow Corning® 3362	Two-component sealant for secondary sealing of glass unit
Dow Corning® 3793	One-component sealant for secondary sealing of glass unit
Dow Corning® R40	Cleaner for glass, metal and other materials
Dow Corning® Primer 1200 OS	The primer is used for anodized aluminium and stainless steel
Dow Corning® Primer C	The primer is used for enameled surfaces
Dow Corning® 3522 Concentrated	Cleaner for dosing, mixing and putting
Dow Corning® Glazingmount	Double-sided bonding tape 6,4 mm thick (for simplification of mounting)

Taking into account project design features please fill in project check list and
send it to General Electric. Please also cosult General Electric technical experts about
correct application of products for structural glazing. The requirements will depend on
tests carried out in General Electric technical center. The individual recommendations
for each project will be given on the basis of obtained results.

General Electric

Материал	Применение
GE® Ultraglaze SSG4400	Two-component sealant for structural glazing
GE® Ultraglaze SSG4000	One-component sealant for structural glazing
GE® IGS3723	Two-component sealant for secondary sealing of glass unit
GE® IGS3763	Two-component sealant for secondary sealing of glass unit
GE® IGS3703	One-component sealant for secondary sealing of glass unit
GE® Silpruf E	Weatherproof one-component sealant
GE® Silpruf F	Weatherproof one-component sealant
GE® Spacer Tape	Double-sided bonding tape 6,4 mm thick (for simplification of mounting)
GE® SS4179 Primer	The primer is used for anodized aluminium and stainless steel
GE® Cleaner IP	Cleaner for glass, metal and other materials
GE® Mixer Cleaner	Cleaner for dosing, mixing and putting

Taking into account project design features
please fill in project check list and send it to Sika AG.
Please also cosult Sika AG technical experts about correct application
of products for structural glazing. The requirements will depend on
tests carried out in Sika AG technical center. The individual recommendations
for each project will be given on the basis of obtained results.

Sika AG®

Material	Application
Sikasil® SG-18	One-component sealant for structural glazing
Sikasil® SG-20	One-component sealant for structural glazing
Sikasil® SG-500	Two-component sealant for structural glazing
Sikasil® WS-305	Weatherproof one-component sealant
Sikasil® WS-605 S	Weatherproof one-component sealant
Sikasil® IG-16	One-component sealant for secondary sealing of glass unit
Sikasil® IG-25	Two-component sealant for secondary sealing of glass unit
Sikasil IG-25 HM	Two-component sealant for secondary sealing of glass unit with inert gas
Sika® Cleaner P	Cleaner for all types of plastic and powder coated metals
Sika® Cleaner-205	Cleaner/activator for anodized aluminium ans most of powder coatings
Sika® Cleaner-210	Primer for porous glassy surfaces
Sika® Mixer Cleaner	Cleaner for two-component extruder
Spacer Tape HD	Double-sided bonding tape 6,4 mm thick (for simplification of mounting)

Sika AG®

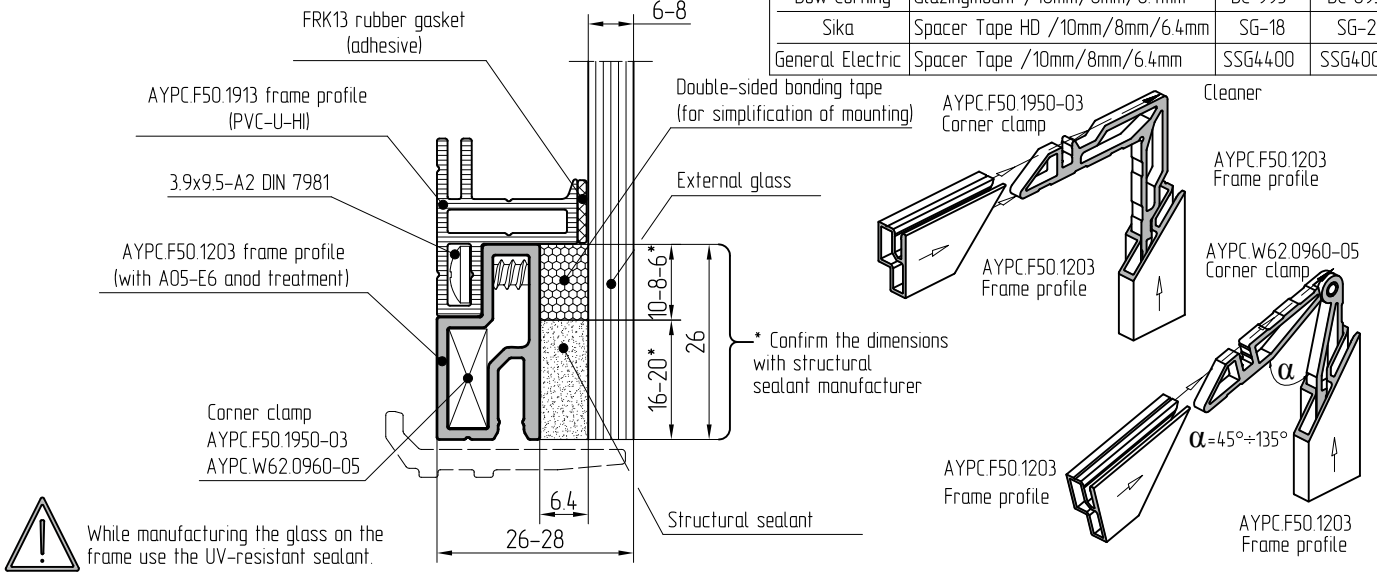
Surface	Cleaner
Float glass*	Sika® Cleaner-205 or Sika® Cleaner P**
Glass with pyrolytic coating	Sika® Cleaner-205 or Sika® Cleaner P**
Glass with ceramic coating (enameled)	Sika® Cleaner-205
Stainless steel	Sika® Cleaner-205
Anodized aluminium ***	Sika® Cleaner-205
Aluninium with polyester powder coating	Sika® Cleaner-205
Aluminium with PVDF coating	Sika® Cleaner-205

* including tempered, multi-layer and toned glass.
** use Sika Cleaner P when Sika Cleaner-205 is esthetically unacceptable

***Sika Cleaner P** is the most effective for anodized aluminium,
but the tests are needed.

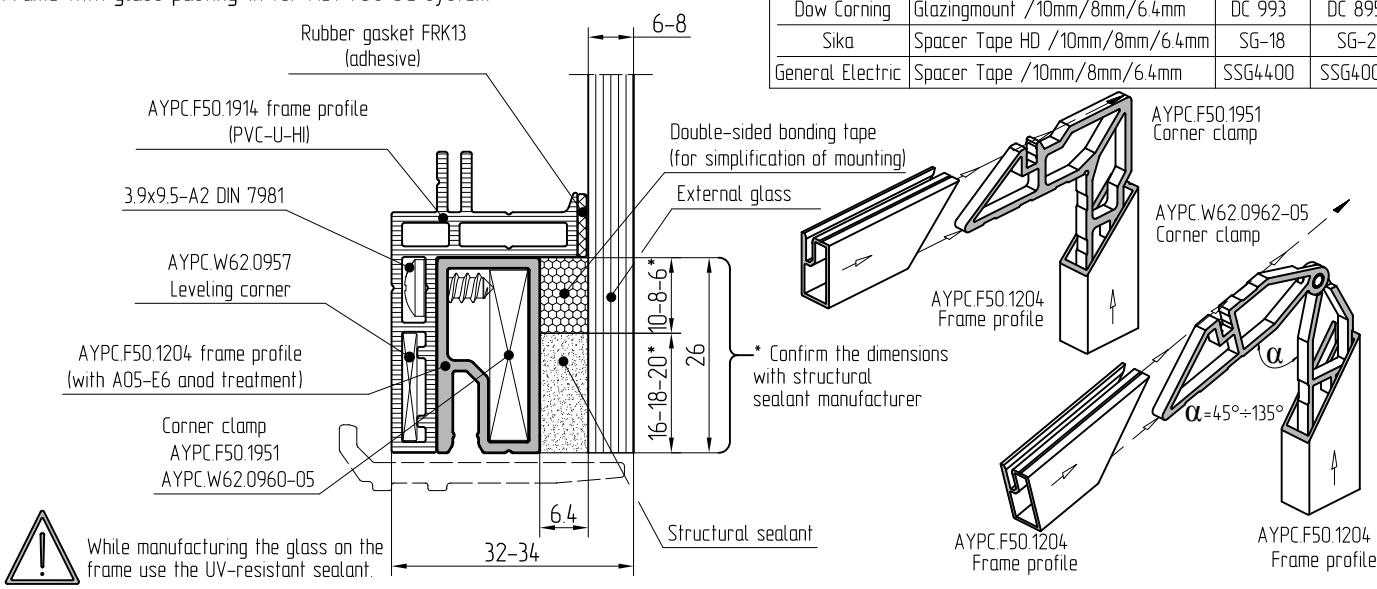
Frame with glass pasting-in for ALT F50 SG system

Manufacturer	Double-sided bonding tape	Structural sealant	
Dow Corning	Glazingmount /10mm/8mm/6.4mm	DC 993	DC 895
Sika	Spacer Tape HD /10mm/8mm/6.4mm	SG-18	SG-20
General Electric	Spacer Tape /10mm/8mm/6.4mm	SSG4400	SSG4000



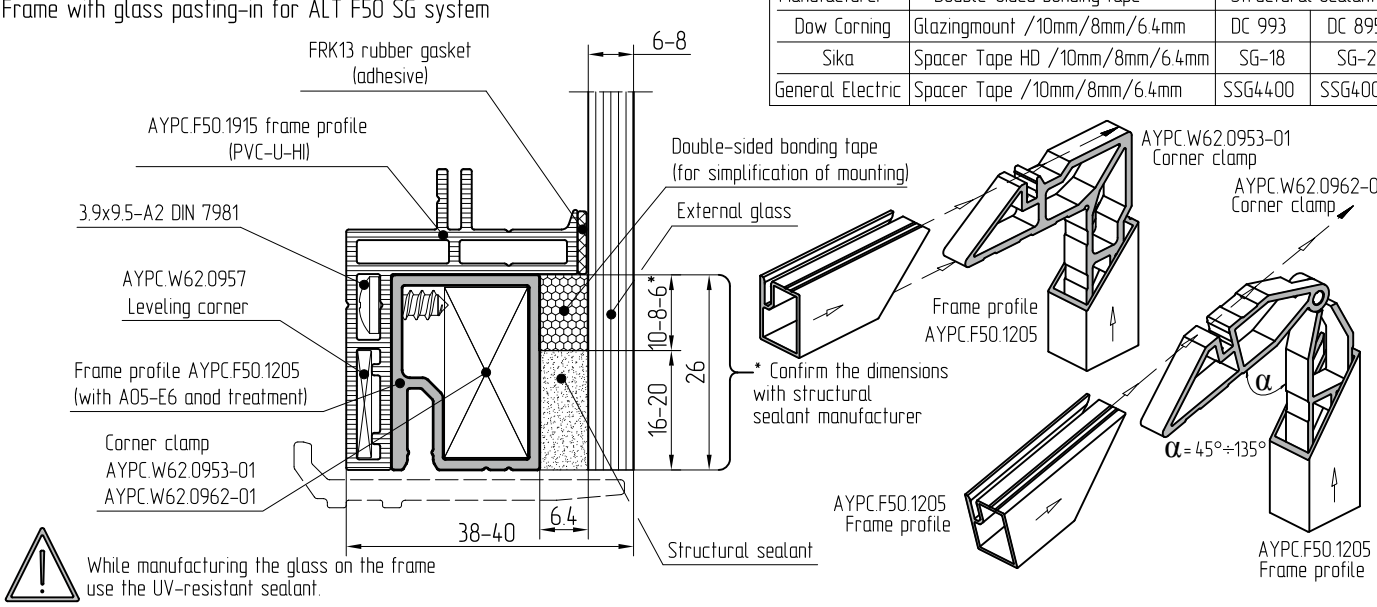
Frame with glass pasting-in for ALT F50 SG system

Manufacturer	Double-sided bonding tape	Structural sealant	
Dow Corning	Glazingmount /10mm/8mm/6.4mm	DC 993	DC 895
Sika	Spacer Tape HD /10mm/8mm/6.4mm	SG-18	SG-20
General Electric	Spacer Tape /10mm/8mm/6.4mm	SSG4400	SSG4000



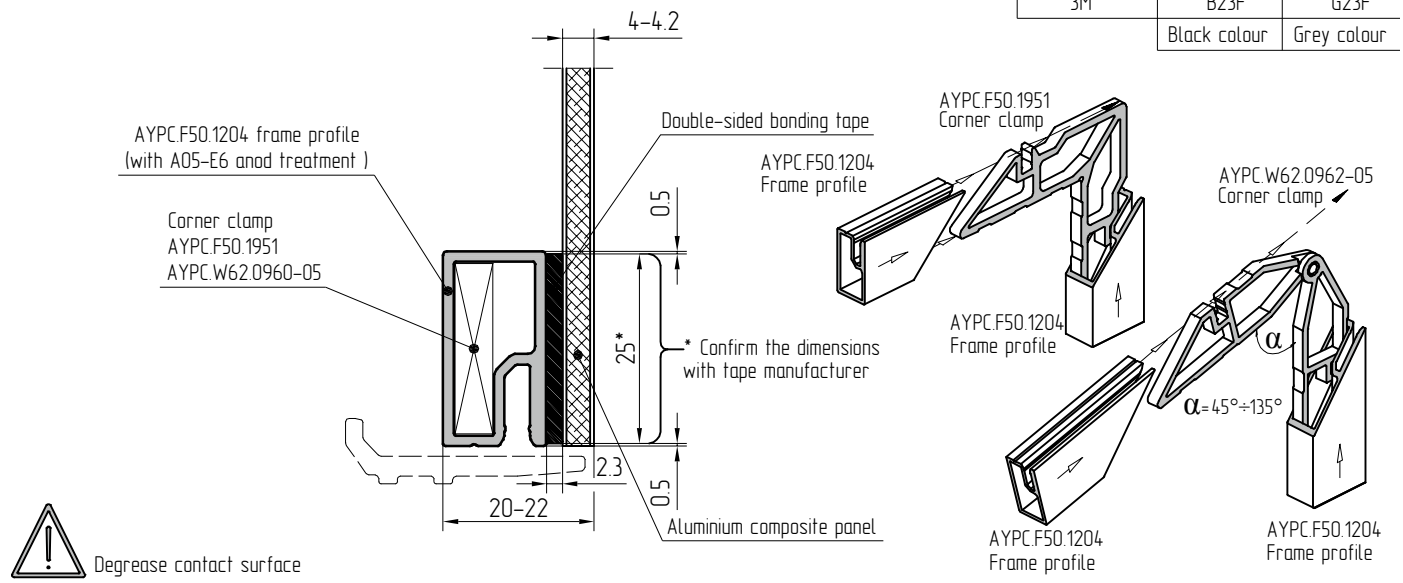
Frame with glass pasting-in for ALT F50 SG system

Manufacturer	Double-sided bonding tape	Structural sealant	
Dow Corning	Glazingmount /10mm/8mm/6.4mm	DC 993	DC 895
Sika	Spacer Tape HD /10mm/8mm/6.4mm	SG-18	SG-20
General Electric	Spacer Tape /10mm/8mm/6.4mm	SSG4400	SSG4000



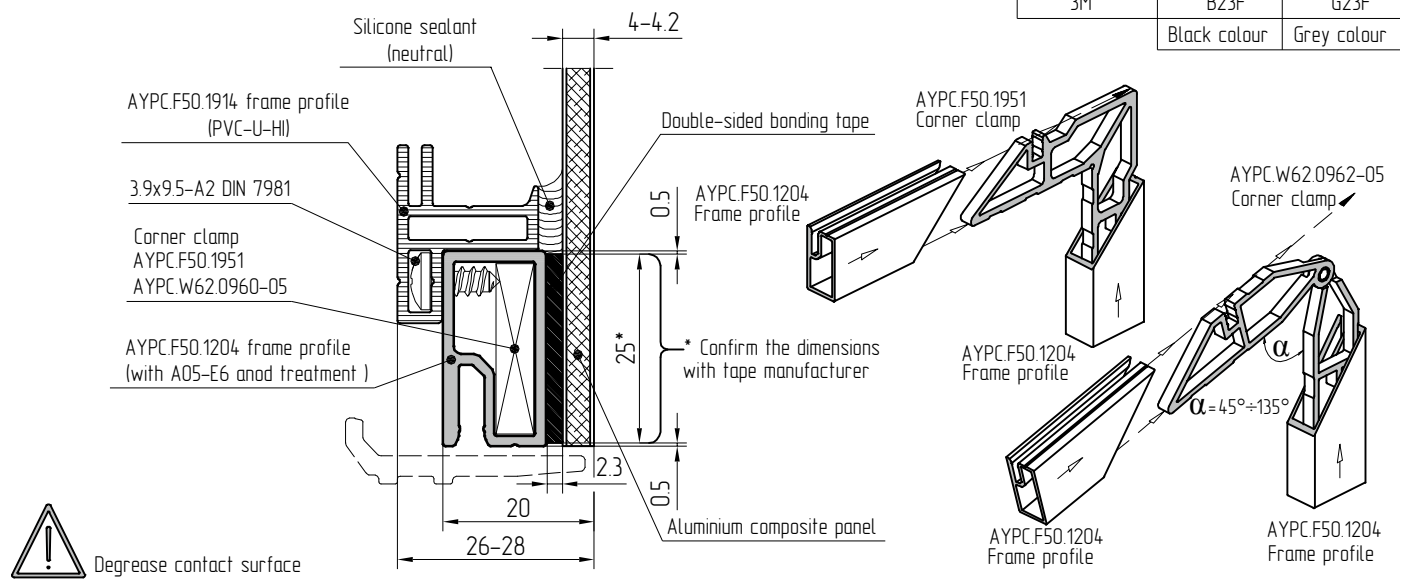
Frame with composite panel pasting for ALT F50 SG system

Manufacturer	Double-sided bonding tape	
3M	B23F	G23F
	Black colour	Grey colour



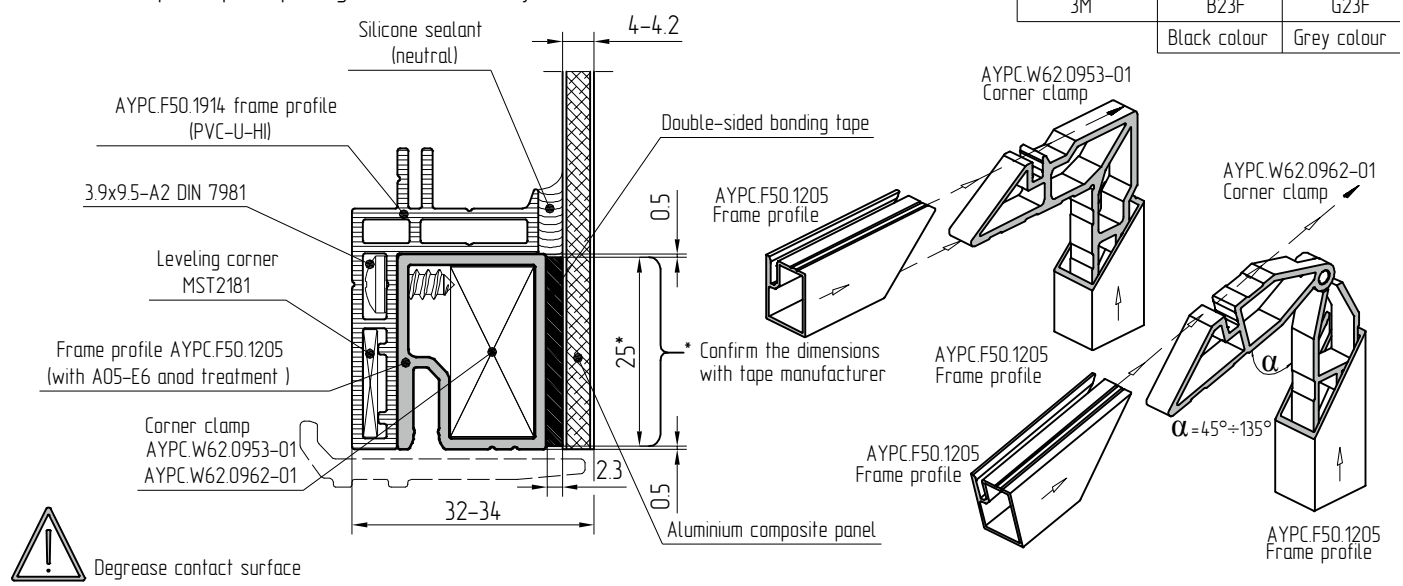
Frame with composite panel pasting for ALT F50 SG system

Manufacturer	Double-sided bonding tape	
3M	B23F	G23F
	Black colour	Grey colour



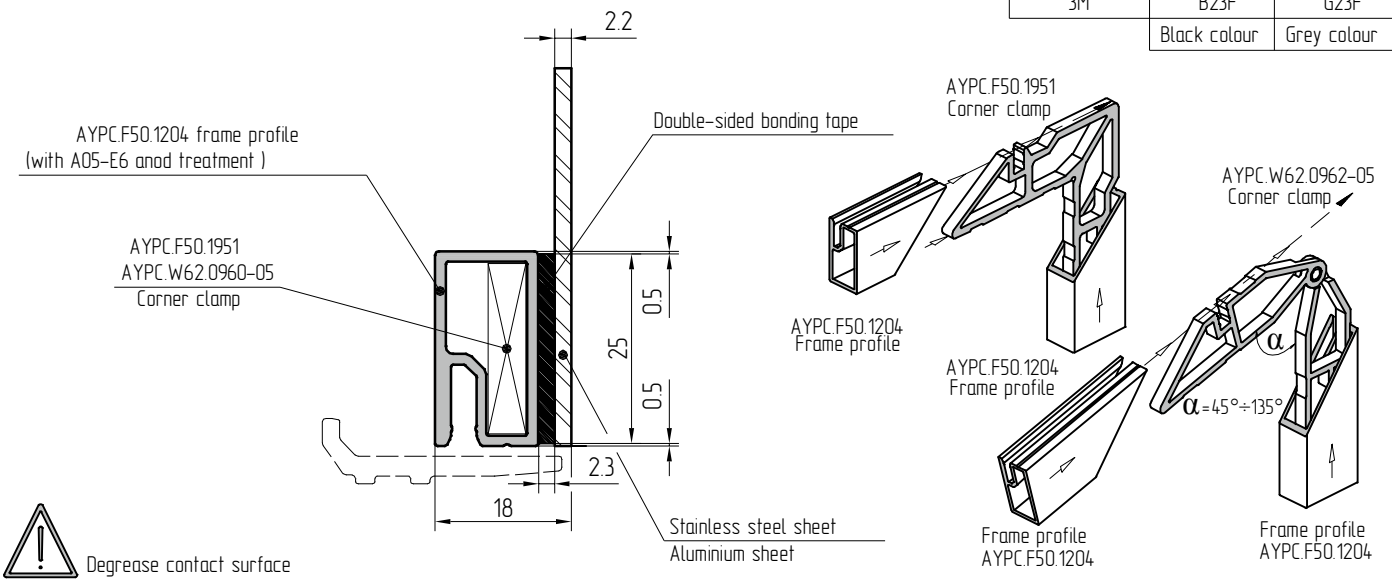
Frame with composite panel pasting for ALT F50 SG system

Manufacturer	Double-sided bonding tape	
3M	B23F	G23F
	Black colour	Grey colour



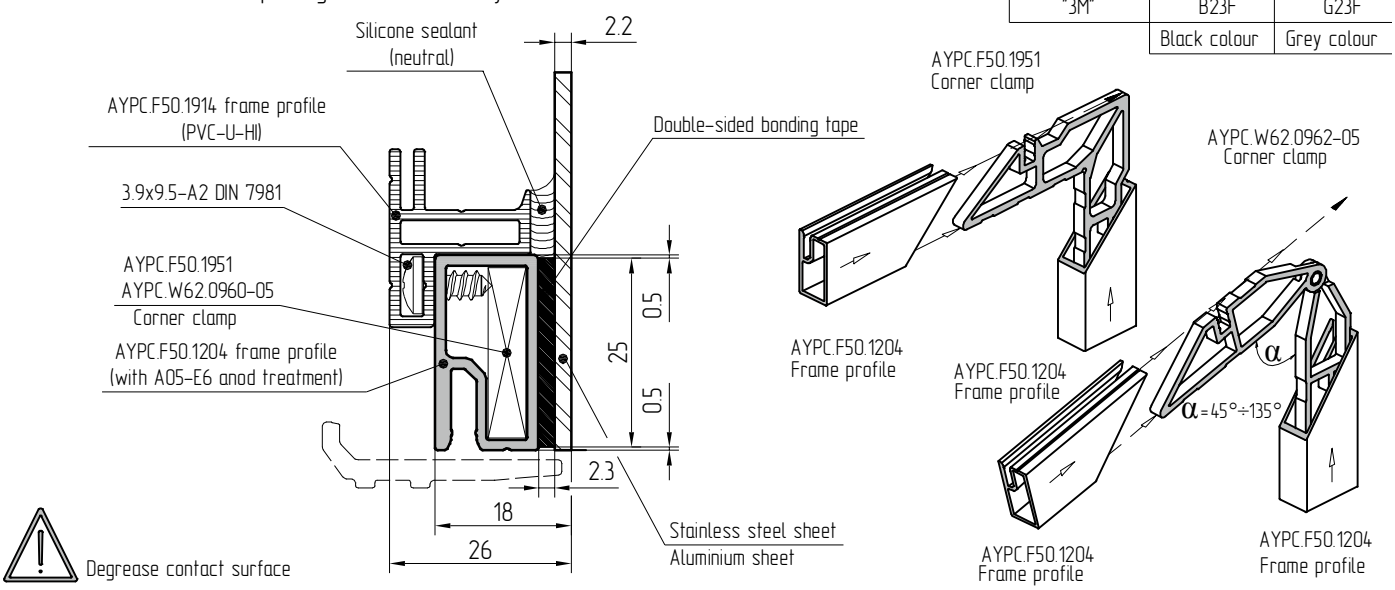
Frame with sheet material pasting for ALT F50 SG system

Manufacturer	Double-sided bonding tape	
"3M"	B23F	G23F
	Black colour	Grey colour



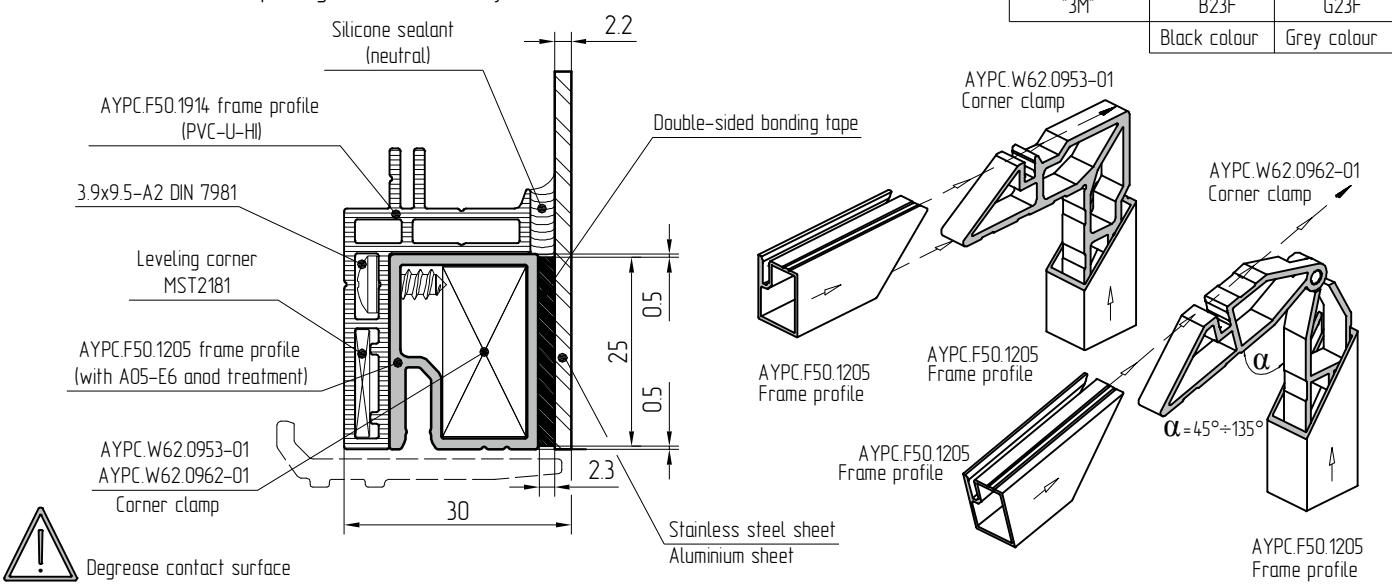
Frame with sheet material pasting for ALT F50 SG system

Manufacturer	Double-sided bonding tape	
"3M"	B23F	G23F
	Black colour	Grey colour



Frame with sheet material pasting for ALT F50 SG system

Manufacturer	Double-sided bonding tape	
"3M"	B23F	G23F
	Black colour	Grey colour



Calculated width of tape for dynamic loads (with the use of bearing supports)
The example is given for calculation of this solution cost and cannot be applied as project calculation

$$a = \frac{0.5 \cdot B \cdot w_p}{\sigma_{des}}$$

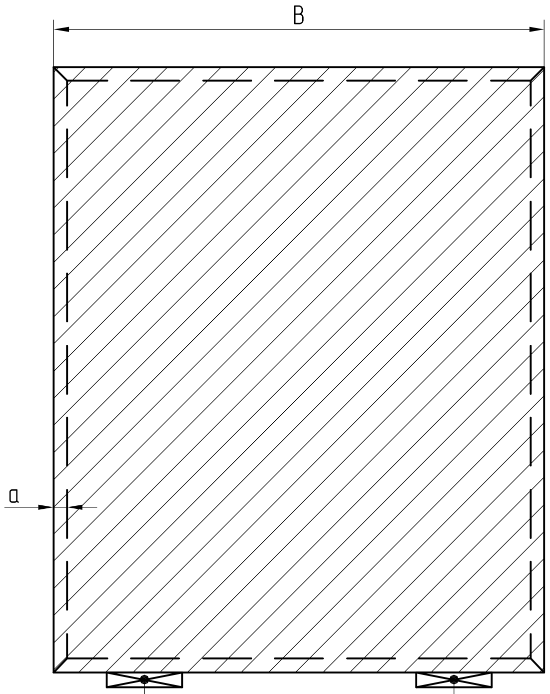
a – width of double-sided bonding tape [mm]
B – the shortest side of opaque frame panel [mm]
w_p – calculated value of wind pressure and uplift [kPa]
σ_{des} – calculated effort for dynamic load – 85 [kPa]

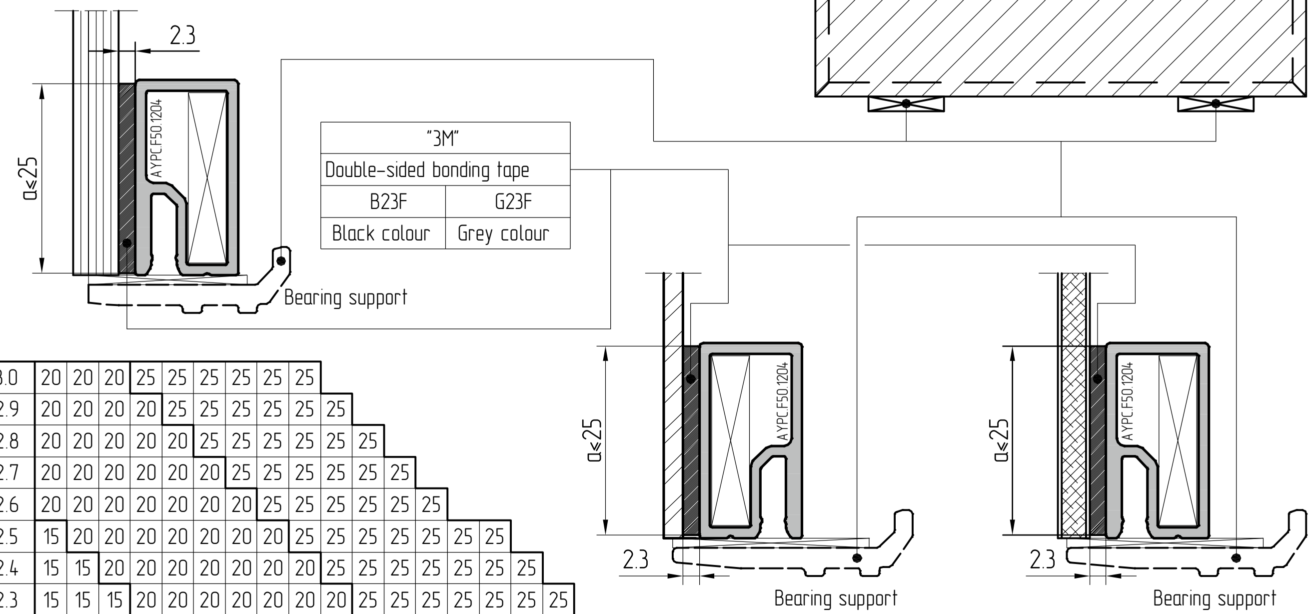
Example:

$$w_p = w_m \cdot 1.4 = 0.38 \cdot 1.5 \cdot 2 \cdot 1.4 = 1.6 \text{ [kPa]}$$

$w_m = w_0 \cdot k \cdot c$ – guideline value of average component of wind load [kPa]
w_0 – guideline value of wind pressure [kPa]
k – coefficient taking into account the height change of wind pressure
c – aerodynamic coefficient

$$a = \frac{0.5 \cdot B \cdot w_p}{\sigma_{des}} = \frac{0.5 \cdot 1200 \cdot 1.6}{85} = 11.3 \text{ [mm]} \Rightarrow 15 \text{ [mm]}$$





w_p – Wind pressure and uplift calculated value [kPa]; B – the shortest side of opaque frame panel [mm]

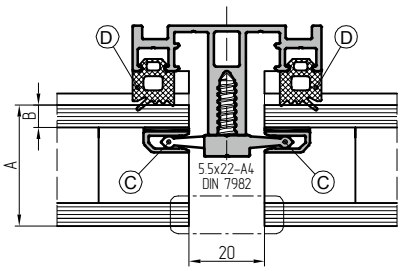
w_p \ B	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950
3.0	20	20	20	25	25	25	25	25	25											
2.9	20	20	20	20	25	25	25	25	25	25										
2.8	20	20	20	20	20	25	25	25	25	25	25									
2.7	20	20	20	20	20	20	25	25	25	25	25	25								
2.6	20	20	20	20	20	20	20	25	25	25	25	25	25							
2.5	15	20	20	20	20	20	20	20	25	25	25	25	25	25	25					
2.4	15	15	20	20	20	20	20	20	20	25	25	25	25	25	25	25				
2.3	15	15	15	20	20	20	20	20	20	20	25	25	25	25	25	25	25			
2.2	15	15	15	15	20	20	20	20	20	20	20	25	25	25	25	25	25	25	25	
2.1	15	15	15	15	15	20	20	20	20	20	20	20	20	25	25	25	25	25	25	25
2.0	15	15	15	15	15	15	20	20	20	20	20	20	20	20	20	25	25	25	25	25
1.9	15	15	15	15	15	15	15	20	20	20	20	20	20	20	20	20	25	25	25	25
1.8	15	15	15	15	15	15	15	15	15	20	20	20	20	20	20	20	20	20	25	25
1.7	15	15	15	15	15	15	15	15	15	15	15	20	20	20	20	20	20	20	20	20
1.6	15	15	15	15	15	15	15	15	15	15	15	15	20	20	20	20	20	20	20	20
1.5	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	20	20	20	20	20
1.4	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	20	20	20
1.3	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
1.2	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
1.1	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
1.0	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15

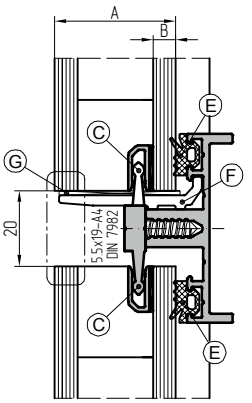
w_p \ B	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000
3.0																					
2.9																					
2.8																					
2.7																					
2.6																					
2.5																					
2.4																					
2.3																					
2.2																					
2.1	25																				
2.0	25	25	25																		
1.9	25	25	25	25	25																
1.8	25	25	25	25	25	25	25	25													
1.7	20	25	25	25	25	25	25	25	25	25	25										
1.6	20	20	20	25	25	25	25	25	25	25	25	25	25	25							
1.5	20	20	20	20	20	20	25	25	25	25	25	25	25	25	25	25	25				
1.4	20	20	20	20	20	20	20	20	20	25	25	25	25	25	25	25	25	25	25	25	25
1.3	20	20	20	20	20	20	20	20	20	20	20	20	20	25	25	25	25	25	25	25	25
1.2	15	15	15	20	20	20	20	20	20	20	20	20	20	20	20	20	20	25	25	25	25
1.1	15	15	15	15	15	15	15	20	20	20	20	20	20	20	20	20	20	20	20	20	20
1.0	15	15	15	15	15	15	15	15	15	15	15	15	20	20	20	20	20	20	20	20	20

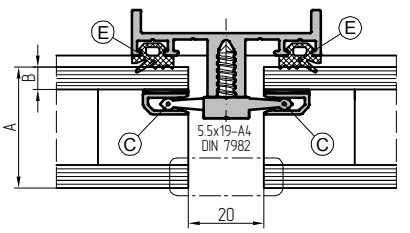
Taking into account project design features it is recommended to fill in and send the form The use of 3M™VHB™adhesives in structural glazing, as well as to consult 3M technical experts about the correct application of tape. The recommendations will be based on the tests carried out in 3M technical center. Individual recommendations will be given for each project on the basis of tests results obtained.

Curtain wall glazing depending on the type of profiles junction. U-turns are to be considered separately

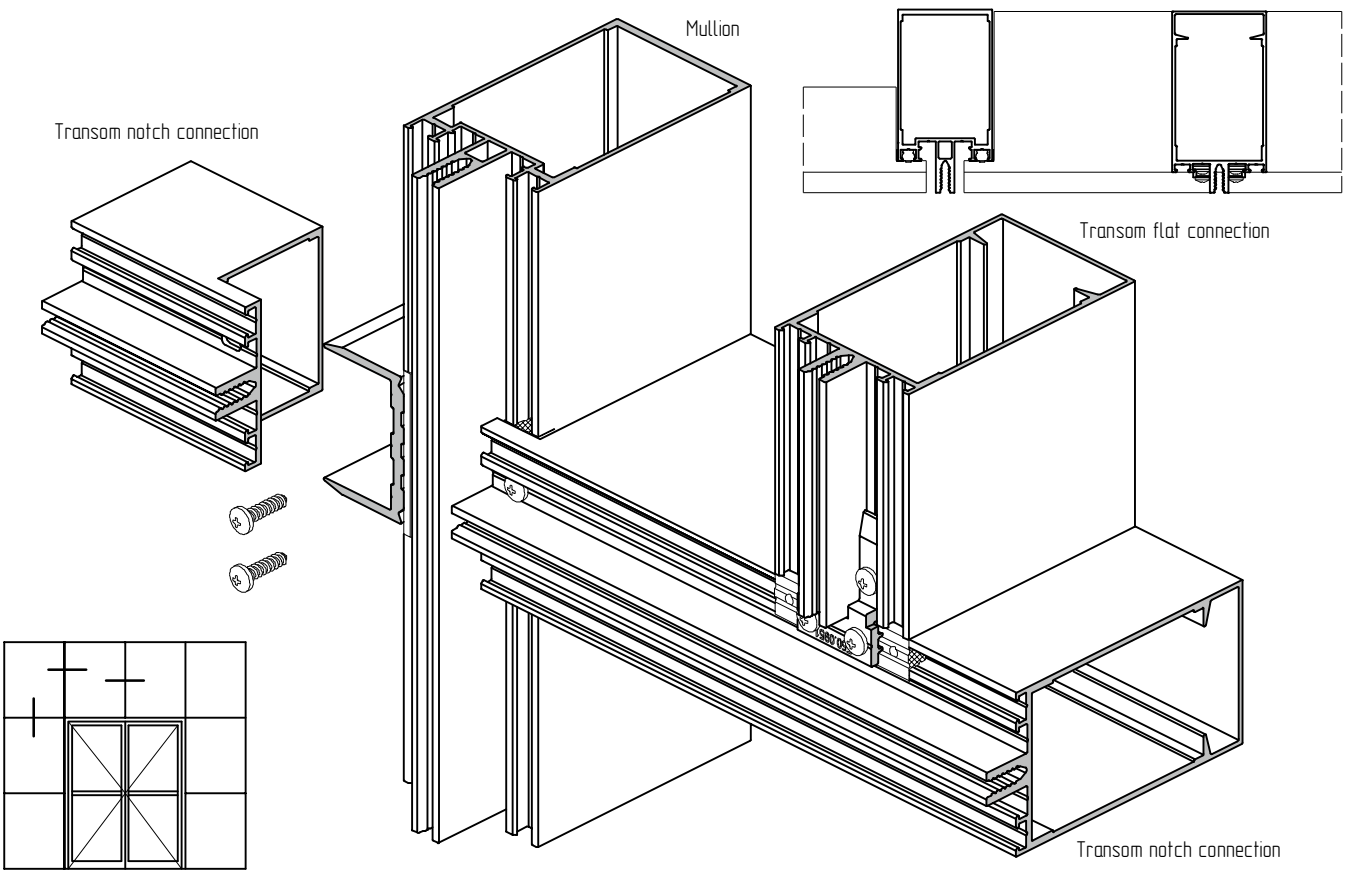
Mullion	Transom notch connection	Transom flat connection





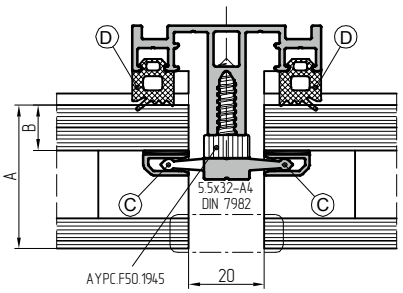


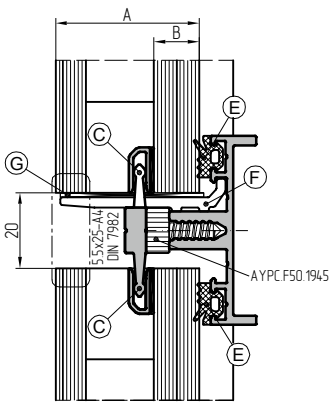
Infill unit thickness	Internal glass	Internal glass clamp	Gasket		Glass support		Seam type				
			mullion	transom	bearing	leveling					
A	B	C	D	E	F	G	Dow Corning 791	GE Silpruf E	Sikasil WS-305	FRK48	
26 mm	6 mm	AYPC.F50.1964	FRK17	FRK14	AYPC.F50.0941	100x26x1	AYPC.F50.1921 + AYPC.F50.1921	–	AYPC.F50.0905	4.2x25 DIN7982	
28 mm	6 mm	AYPC.F50.1964	FRK17	FRK14	AYPC.F50.0941	100x26x1	AYPC.F50.1921 + AYPC.F50.1921	–	–	–	
32 mm	6 mm	AYPC.F50.1964	FRK17	FRK14	AYPC.F50.0941-01	100x32x1	AYPC.F50.1921 + AYPC.F50.1922	AYPC.F50.0908	AYPC.F50.0906	4.2x32 DIN7982	
	8 mm	AYPC.F50.1964-01									
34 mm	6 mm	AYPC.F50.1964	FRK17	FRK14	AYPC.F50.0941-01	100x32x1	AYPC.F50.1921 + AYPC.F50.1922	AYPC.F50.0908	–	–	
	8 mm	AYPC.F50.1964-01									
38 mm	6 mm	AYPC.F50.1964	FRK17	FRK14	AYPC.F50.0941-02	100x38x1	AYPC.F50.1921 + AYPC.F50.1923	AYPC.F50.0909	AYPC.F50.0907	4.2x38 DIN7982	
	8 mm	AYPC.F50.1964-01									
40 mm	6 mm	AYPC.F50.1964	FRK17	FRK14	AYPC.F50.0941-02	100x38x1	AYPC.F50.1921 + AYPC.F50.1923	AYPC.F50.0909	–	–	
	8 mm	AYPC.F50.1964-01									

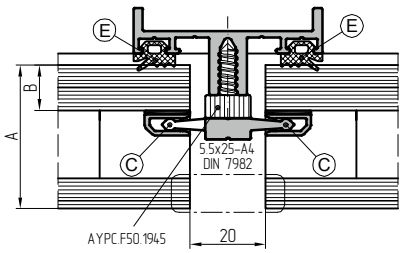


Curtain wall glazing depending on the type of profiles junction. U-turns are to be considered separately

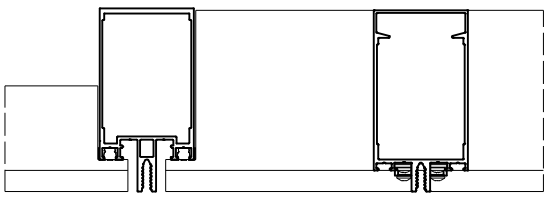
Mullion	Transom notch connection	Transom flat connection

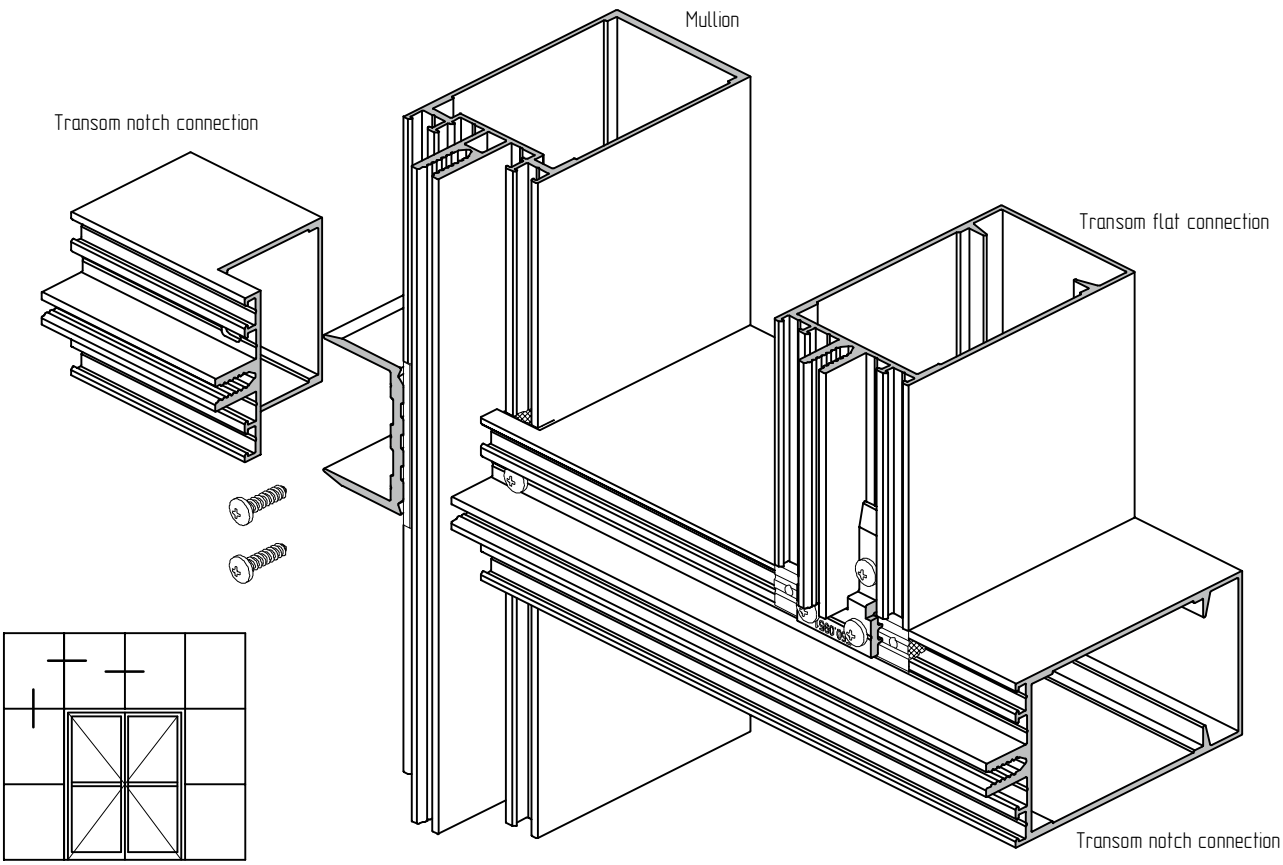






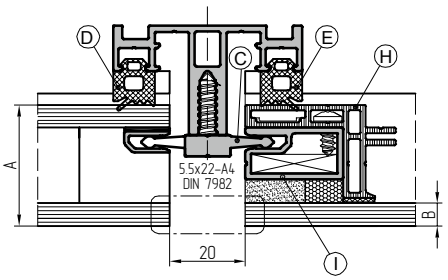
Infill unit thickness	Internal glass	Internal glass clamp	Gasket		Glass support		Seam type				
			mullion	transom	bearing	leveling					
A	B	C	D	E	F	G	Dow Corning 791	GE Silpruf E	Sikasil WS-305	FRK48	
38 mm	12 mm	AYPC.F50.1964	FRK17	FRK14	AYPC.F50.0941-02	100x38x1	AYPC.F50.1922 + AYPC.F50.1922	AYPC.F50.0909	AYPC.F50.0907	4.2x38 DIN7982	
	14 mm	AYPC.F50.1964-01									
40 mm	12 mm	AYPC.F50.1964	FRK17	FRK14	AYPC.F50.0941-02	100x38x1	AYPC.F50.1922 + AYPC.F50.1922	AYPC.F50.0909	–	–	
	14 mm	AYPC.F50.1964-01									

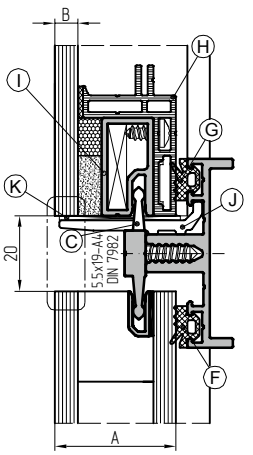


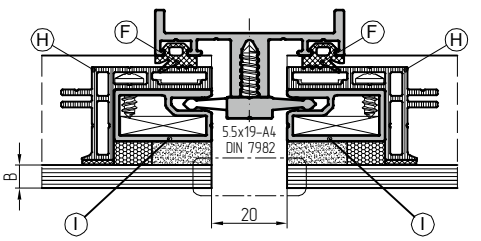


Curtain wall glazing depending on the type of profiles junction. U-turns are to be considered separately

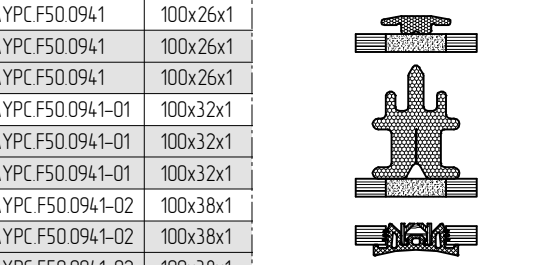
Mullion	Transom notch connection	Transom flat connection

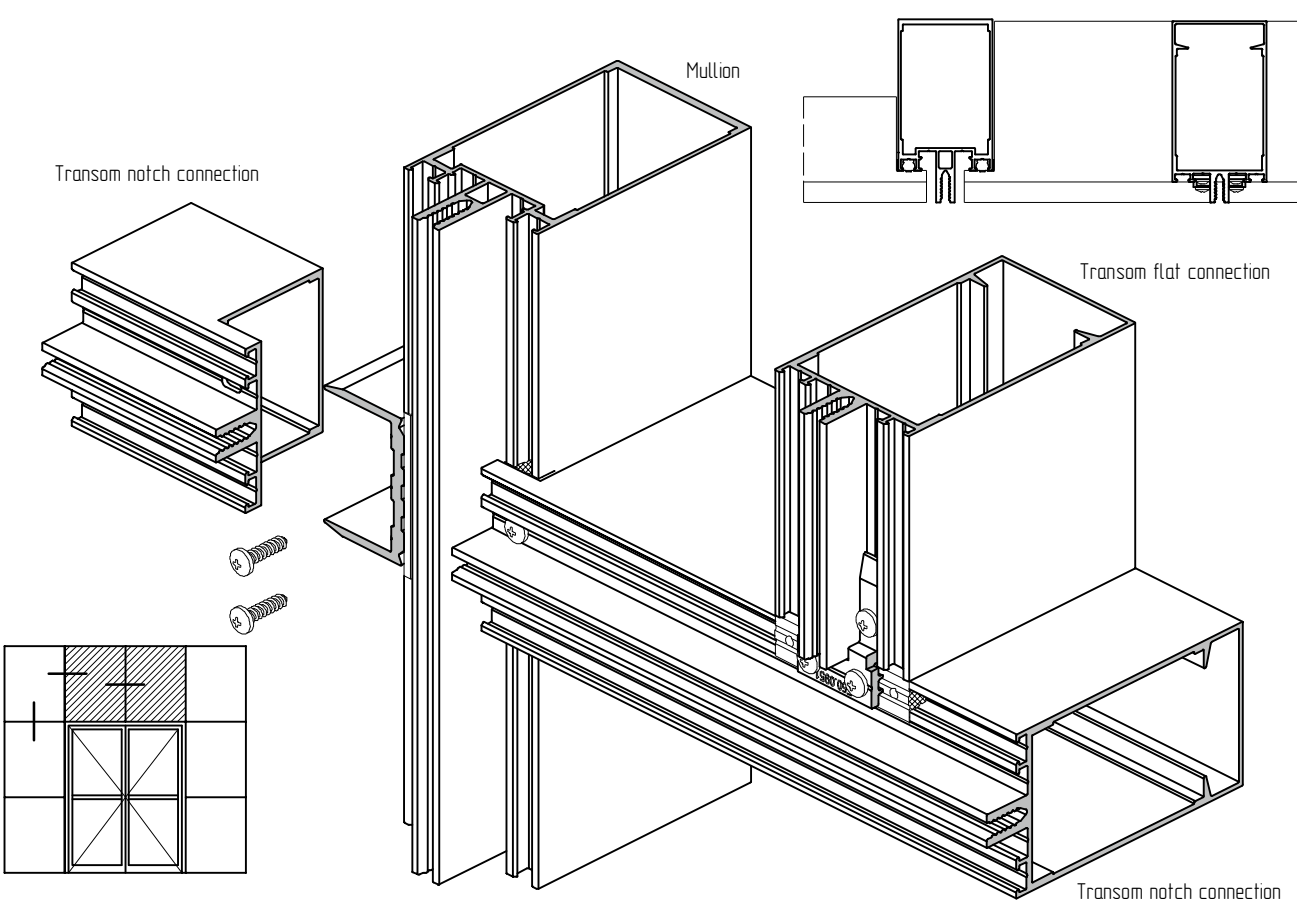






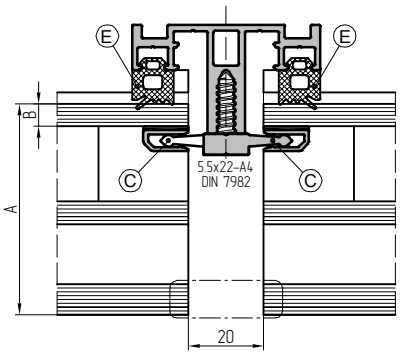
Infill unit thickness	External glass	Internal glass clamp	Gasket		Frame profile		Glass support		Seam type
			mullion	transom	PVC-U-HI	anodized	bearing	leveling	
A	B	C	D/E	F/G	H	I	J	K	DC 791 / GE Silpruf E / Sikasil WS-305
26 mm	6 mm	AYPC.F50.1964	FRK17/FRK17	FRK14/FRK14	AYPC.F50.1913	AYPC.F50.1203	AYPC.F50.0941	100x26x1	
28 mm	6 mm	AYPC.F50.1964-01	FRK17/FRK18	FRK14/FRK15	AYPC.F50.1913	AYPC.F50.1203	AYPC.F50.0941	100x26x1	
	8 mm	AYPC.F50.1964	FRK17/FRK17	FRK14/FRK14	AYPC.F50.1913	AYPC.F50.1203	AYPC.F50.0941	100x26x1	
32 mm	6 mm	AYPC.F50.1964	FRK17/FRK17	FRK14/FRK14	AYPC.F50.1914	AYPC.F50.1204	AYPC.F50.0941-01	100x32x1	
34 mm	6 mm	AYPC.F50.1964-01	FRK17/FRK18	FRK14/FRK15	AYPC.F50.1914	AYPC.F50.1204	AYPC.F50.0941-01	100x32x1	
	8 mm	AYPC.F50.1964	FRK17/FRK17	FRK14/FRK14	AYPC.F50.1914	AYPC.F50.1204	AYPC.F50.0941-01	100x32x1	
38 mm	6 mm	AYPC.F50.1964	FRK17/FRK17	FRK14/FRK14	AYPC.F50.1915	AYPC.F50.1205	AYPC.F50.0941-02	100x38x1	
40 mm	6 mm	AYPC.F50.1964-01	FRK17/FRK18	FRK14/FRK15	AYPC.F50.1915	AYPC.F50.1205	AYPC.F50.0941-02	100x38x1	
	8 mm	AYPC.F50.1964	FRK17/FRK17	FRK14/FRK14	AYPC.F50.1915	AYPC.F50.1205	AYPC.F50.0941-02	100x38x1	



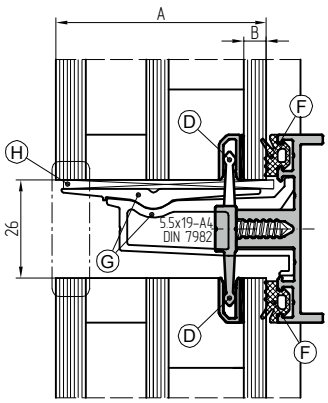


Curtain wall glazing depending on the type of profiles junction. U-turns are to be considered separately

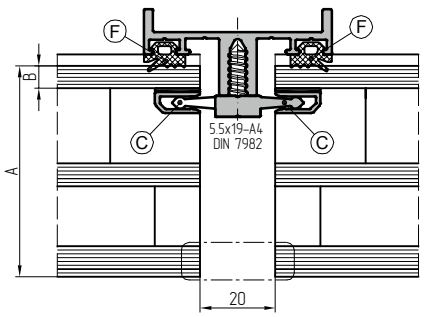
Mullion



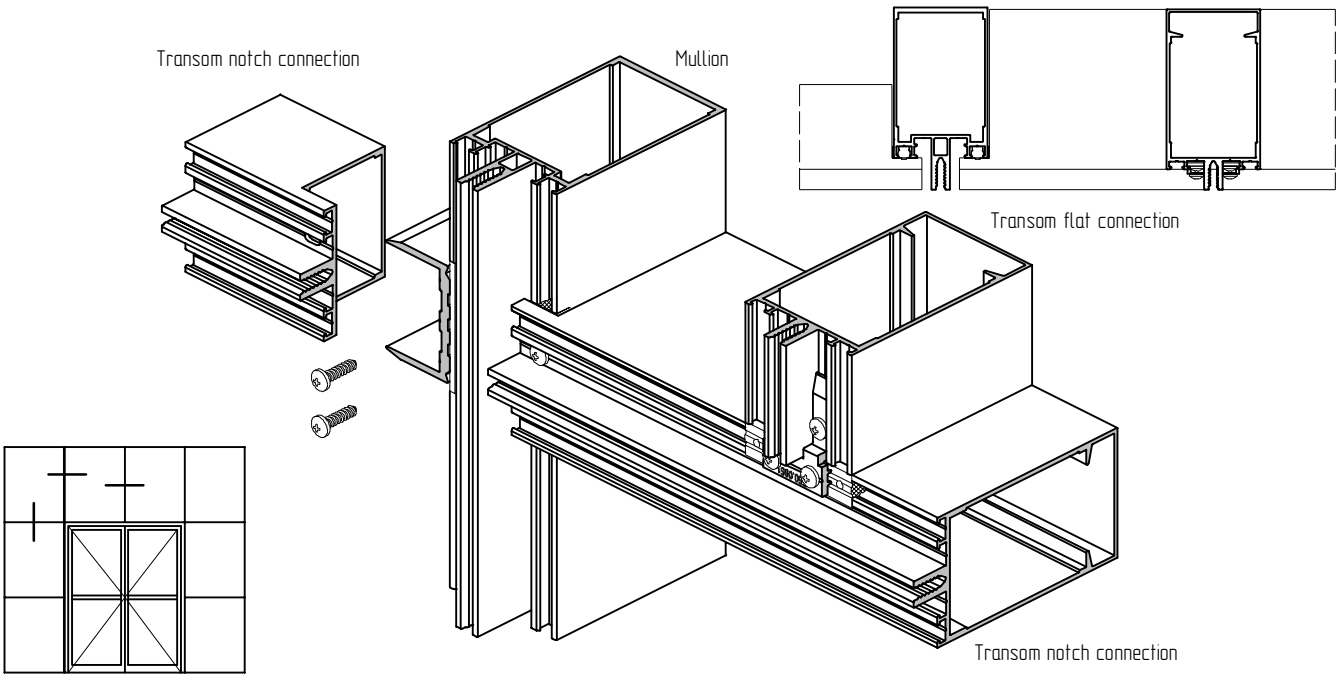
Transom notch connection



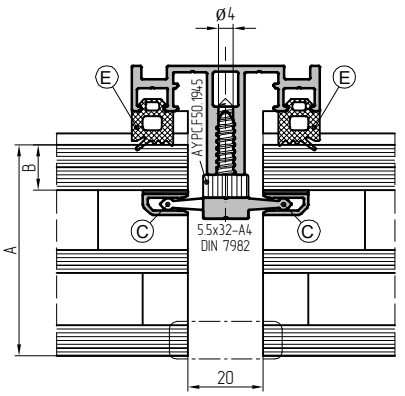
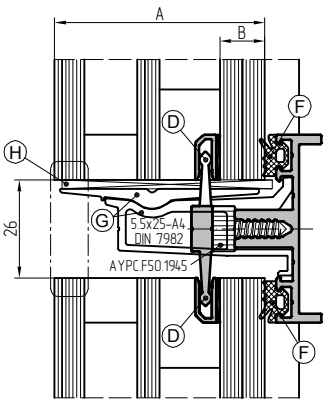
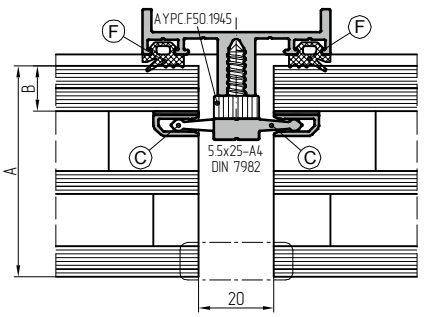
Transom flat connection



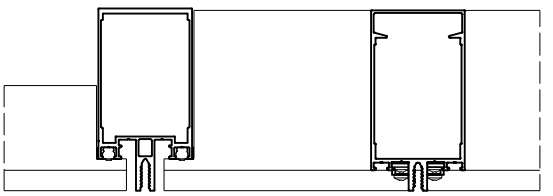
Infill unit thickness	Internal glass	Internal glass clamp		Gasket		Glass support		Seam type		
		mullion	transom	mullion	transom	bearing	leveling			
A	B	C	D	E	F	G	H	Dow Corning 791	GE Silpruf E	Sikasil WS-305
38 mm	6 mm	AYPC.F50.1964	AYPC.F50.1974	FRK17	FRK14	AYPC.F50.0948 AYPC.F50.0949 2 x screw 5.5x32 DIN7981	100x38x2	AYPC.F50.1921+AYPC.F50.1923		AYPC.F50.0909
	8 mm	AYPC.F50.1964-01	AYPC.F50.1974-01							
40 mm	6 mm	AYPC.F50.1964	AYPC.F50.1974	FRK17	FRK14	AYPC.F50.0948 AYPC.F50.0949 2 x screw 5.5x32 DIN7981	100x38x2	AYPC.F50.1921+AYPC.F50.1923		AYPC.F50.0909
	8 mm	AYPC.F50.1964-01	AYPC.F50.1974-01							
44 mm	6 mm	AYPC.F50.1964	AYPC.F50.1974	FRK17	FRK14	AYPC.F50.0948-01 AYPC.F50.0949-01 2 x screw 5.5x35 ISO 4672	100x44x2	AYPC.F50.1921+AYPC.F50.1922+AYPC.F50.1922		AYPC.F50.0910
	8 mm	AYPC.F50.1964-01	AYPC.F50.1974-01							
46 mm	6 mm	AYPC.F50.1964	AYPC.F50.1974	FRK17	FRK14	AYPC.F50.0948-01 AYPC.F50.0949-01 2 x screw 5.5x35 ISO 4672	100x44x2	AYPC.F50.1921+AYPC.F50.1922+AYPC.F50.1922		AYPC.F50.0910
	8 mm	AYPC.F50.1964-01	AYPC.F50.1974-01							
50 mm	6 mm	AYPC.F50.1964	AYPC.F50.1974	FRK17	FRK14	AYPC.F50.0948-02 AYPC.F50.0949-02 2 x screw 5.5x38 DIN7981	100x50x2	AYPC.F50.1921+AYPC.F50.1922+AYPC.F50.1923		AYPC.F50.0911
	8 mm	AYPC.F50.1964-01	AYPC.F50.1974-01							
52 mm	6 mm	AYPC.F50.1964	AYPC.F50.1974	FRK17	FRK14	AYPC.F50.0948-02 AYPC.F50.0949-02 2 x screw 5.5x38 DIN7981	100x50x2	AYPC.F50.1921+AYPC.F50.1922+AYPC.F50.1923		AYPC.F50.0911
	8 mm	AYPC.F50.1964-01	AYPC.F50.1974-01							
56 mm	6 mm	AYPC.F50.1964	AYPC.F50.1974	FRK17	FRK14	AYPC.F50.0948-03 AYPC.F50.0949-03 2 x screw 5.5x45 DIN7981	100x56x2	AYPC.F50.1921+AYPC.F50.1923+AYPC.F50.1923		AYPC.F50.0912
	8 mm	AYPC.F50.1964-01	AYPC.F50.1974-01							
58 mm	6 mm	AYPC.F50.1964	AYPC.F50.1974	FRK17	FRK14	AYPC.F50.0948-03 AYPC.F50.0949-03 2 x screw 5.5x45 DIN7981	100x56x2	AYPC.F50.1921+AYPC.F50.1923+AYPC.F50.1923		AYPC.F50.0912
	8 mm	AYPC.F50.1964-01	AYPC.F50.1974-01							

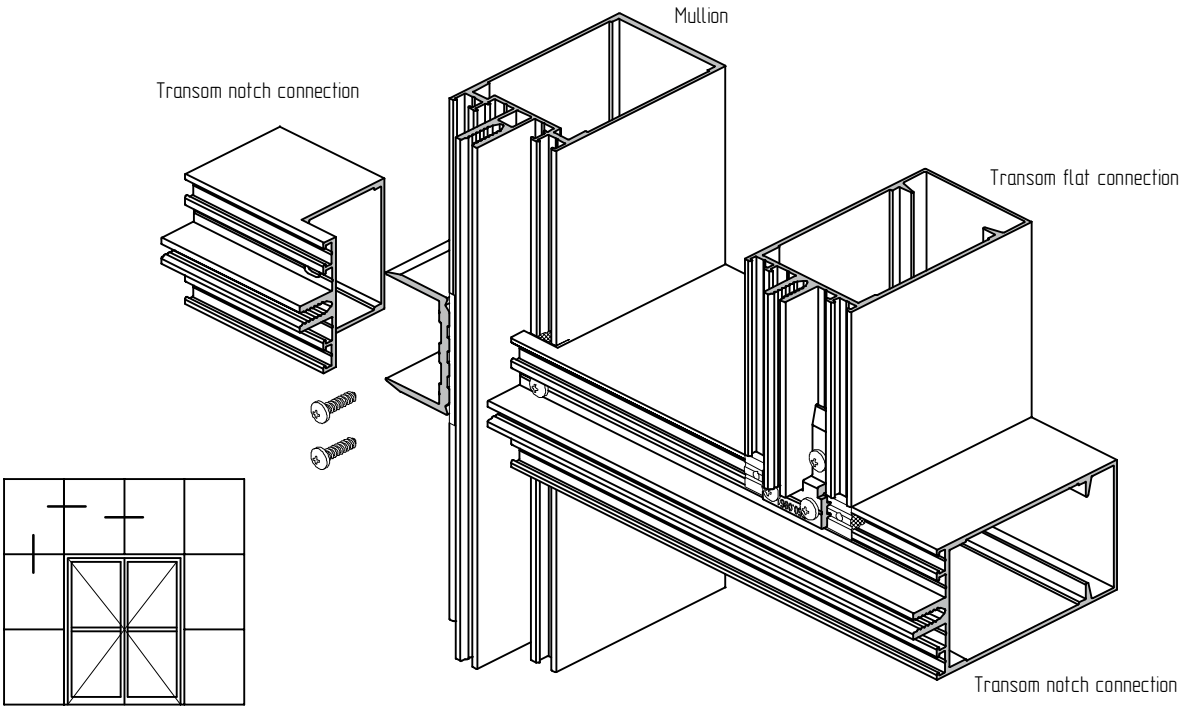


Curtain wall glazing depending on the type of profiles junction. U-turns are to be considered separately

Mullion	Transom notch connection	Transom flat connection
		

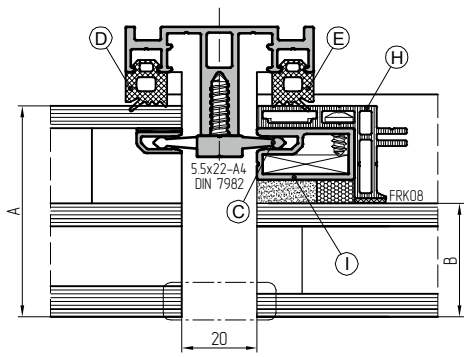
Infill unit thickness	Internal glass	Internal glass clamp		Gasket		Glass support		Seam type		
		mullion	transom	mullion	transom	bearing	leveling			
A	B	C	D	E	F	G	H	Dow Corning 791	GE Silpruf E	Sikasil WS-305
50 mm	12 mm	AYPC.F50.1964	AYPC.F50.1974	FRK17	FRK14	AYPC.F50.0948-02 AYPC.F50.0949-02 2x screw 5.5x38 DIN7981	100x50x2	AYPC.F50.1922+AYPC.F50.1923+AYPC.F50.1921		AYPC.F50.0911
	14 mm	AYPC.F50.1964-01	AYPC.F50.1974-01							
52 mm	12 mm	AYPC.F50.1964	AYPC.F50.1974	FRK17	FRK14	AYPC.F50.0948-02 AYPC.F50.0949-02 2x screw 5.5x38 DIN7981	100x50x2	AYPC.F50.1922+AYPC.F50.1923+AYPC.F50.1921		AYPC.F50.0911
	14 mm	AYPC.F50.1964-01	AYPC.F50.1974-01							
56 mm	12 mm	AYPC.F50.1964	AYPC.F50.1974	FRK17	FRK14	AYPC.F50.0948-03 AYPC.F50.0949-03 2x screw 5.5x45 DIN7981	100x56x2	AYPC.F50.1922+AYPC.F50.1923+AYPC.F50.1922		AYPC.F50.0912
	14 mm	AYPC.F50.1964-01	AYPC.F50.1974-01							
58 mm	12 mm	AYPC.F50.1964	AYPC.F50.1974	FRK17	FRK14	AYPC.F50.0948-03 AYPC.F50.0949-03 2x screw 5.5x45 DIN7981	100x56x2	AYPC.F50.1922+AYPC.F50.1923+AYPC.F50.1922		AYPC.F50.0912
	14 mm	AYPC.F50.1964-01	AYPC.F50.1974-01							



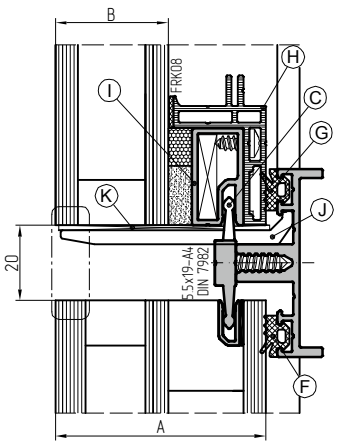


Curtain wall glazing depending on the type of profiles junction. U-turns are to be considered separately

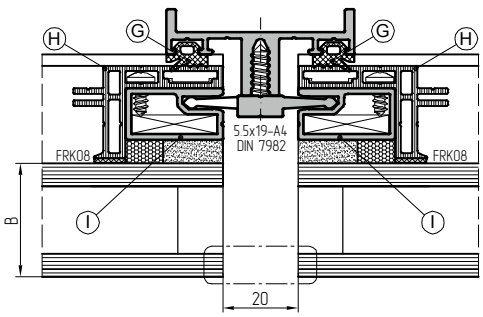
Mullion



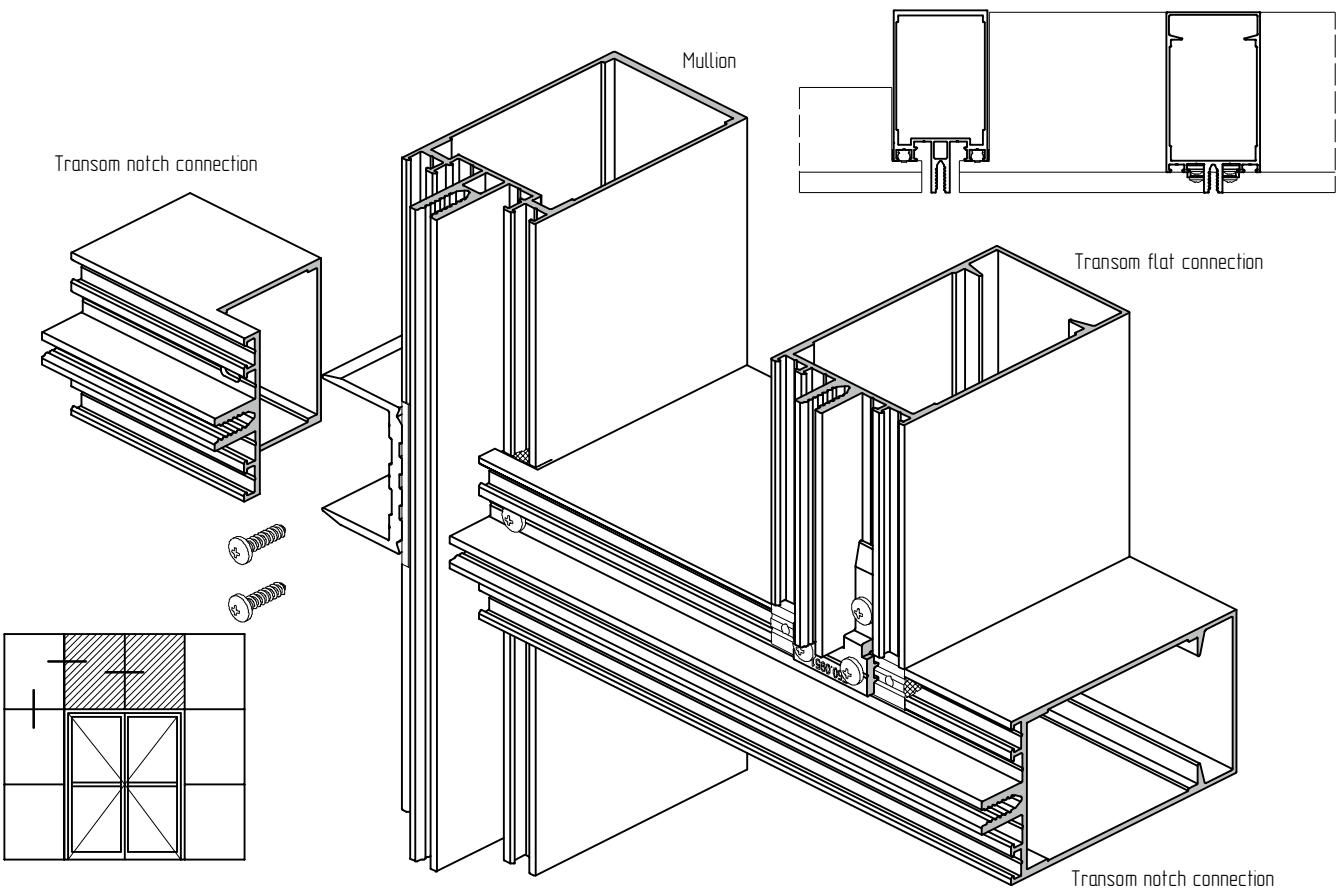
Transom notch connection



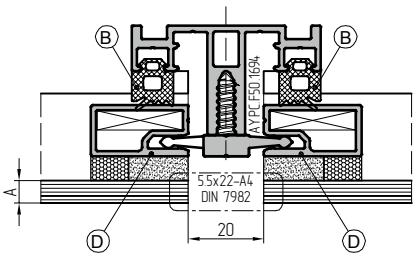
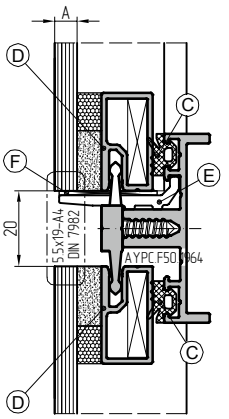
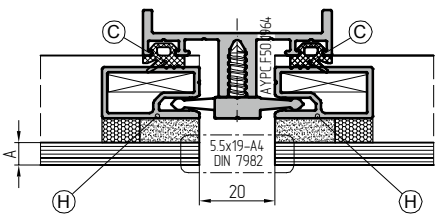
Transom flat connection



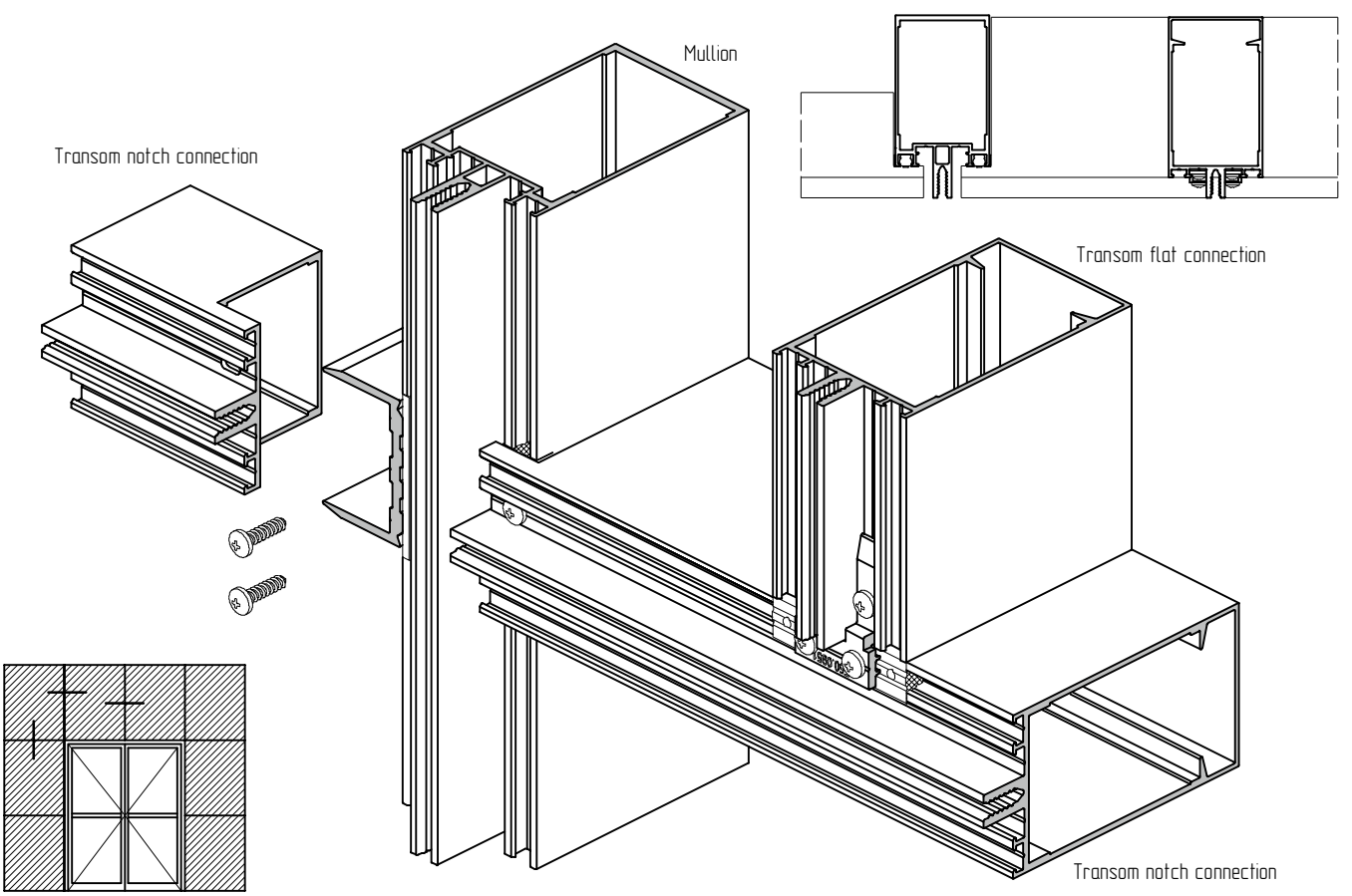
Infill unit thickness	Infill unit on blind facade	Internal glass clamp	Gasket		Frame profile		Glazing support		Seam type		
			mullion	transom	PVC-U-HI	anodized	bearing	leveling			
A	B	C	D/E	F/G	H	I	J	K	DC 791	GE Silpruf E	Sikasil WS-305
44 mm	24 mm	AYPC.F50.1964	FRK17/FRK17	FRK14/FRK14	AYPC.F50.1913	AYPC.F50.1203	AYPC.F50.0952	100x44x1			
46 mm	24 mm	AYPC.F50.1964-01	FRK17/FRK18	FRK14/FRK15	AYPC.F50.1913	AYPC.F50.1203	AYPC.F50.0952	100x44x1			
	26 mm	AYPC.F50.1964	FRK17/FRK17	FRK14/FRK14	AYPC.F50.1913	AYPC.F50.1203	AYPC.F50.0952	100x44x1			
50 mm	24 mm	AYPC.F50.1964	FRK17/FRK17	FRK14/FRK14	AYPC.F50.1914	AYPC.F50.1204	AYPC.F50.0952-01	100x50x1			
52 mm	24 mm	AYPC.F50.1964-01	FRK17/FRK18	FRK14/FRK15	AYPC.F50.1914	AYPC.F50.1204	AYPC.F50.0952-01	100x50x1			
	26 mm	AYPC.F50.1964	FRK17/FRK17	FRK14/FRK14	AYPC.F50.1914	AYPC.F50.1204	AYPC.F50.0952-01	100x50x1			
56 mm	30 mm	AYPC.F50.1964	FRK17/FRK17	FRK14/FRK14	AYPC.F50.1914	AYPC.F50.1204	AYPC.F50.0952-02	100x56x1			
58 mm	30 mm	AYPC.F50.1964-01	FRK17/FRK18	FRK14/FRK15	AYPC.F50.1914	AYPC.F50.1204	AYPC.F50.0952-02	100x56x1			
	32 mm	AYPC.F50.1964	FRK17/FRK17	FRK14/FRK14	AYPC.F50.1914	AYPC.F50.1204	AYPC.F50.0952-02	100x56x1			



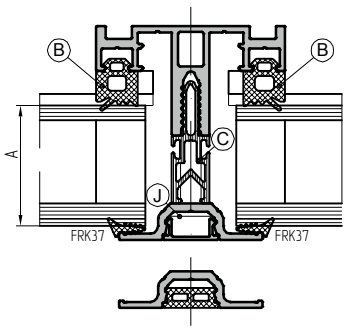
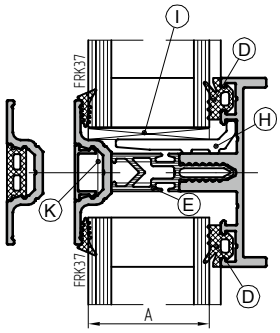
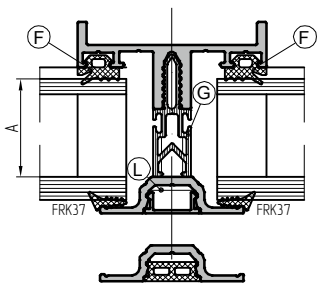
Curtain wall glazing depending on the type of profiles junction. U-turns are to be considered separately

Mullion	Transom notch connection	Transom flat connection
		

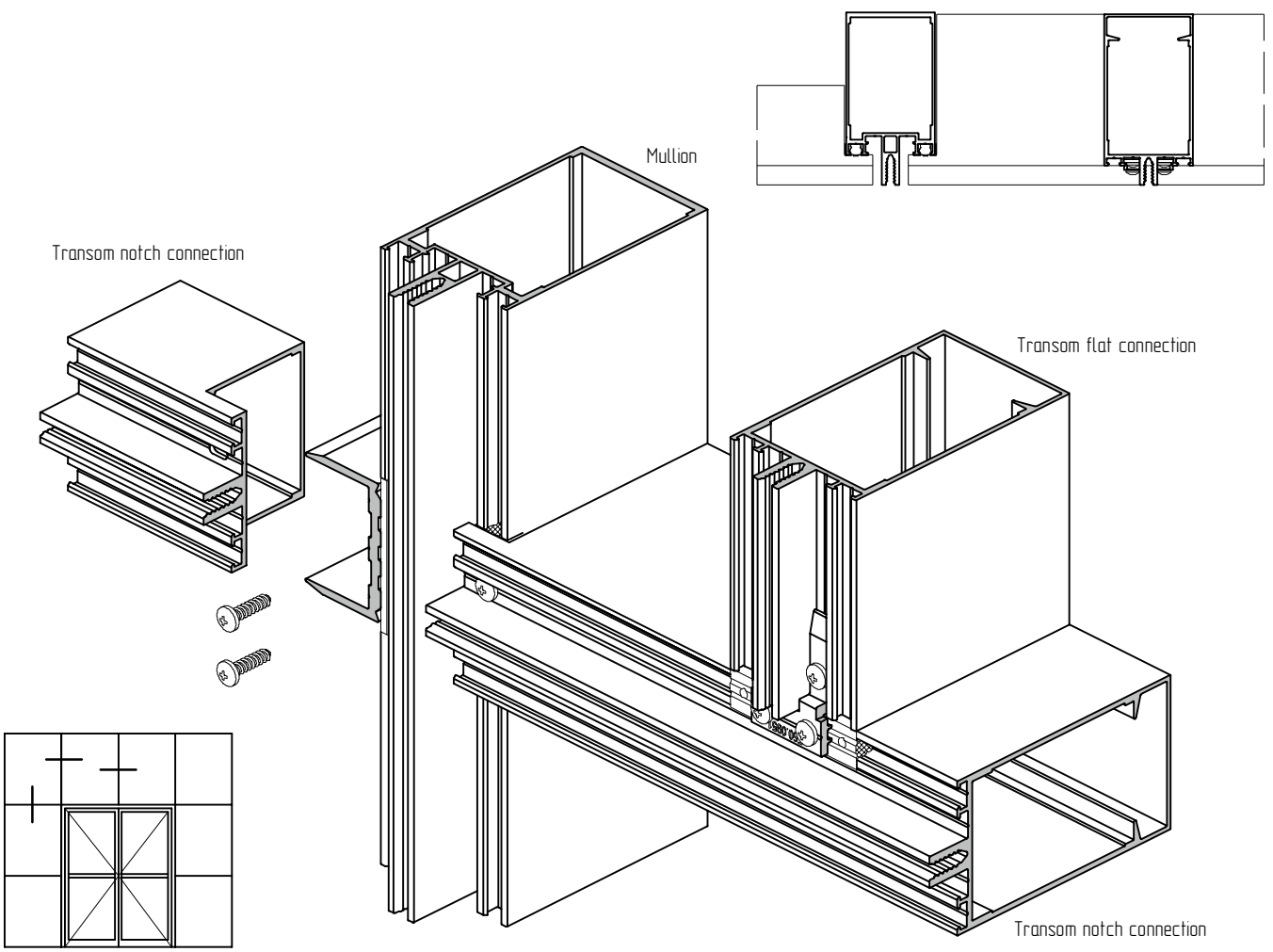
Infill unit thickness	Gasket		Frame profile	Glazing support		Seam type		
	mullion	transom	anodized	bearing	leveling	Dow Corning 791	GE Silpruf E	Sikasil WS-305
A	B	C	D	E	F	AYPC.F50.1921 + AYPC.F50.1921		
6 mm	FRK17	FRK14	AYPC.F50.1204	AYPC.F50.0941	100x26x1			
8 mm	FRK17	FRK14	AYPC.F50.1204	AYPC.F50.0941	100x26x1			



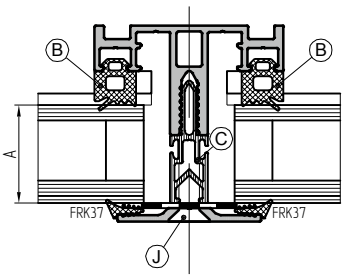
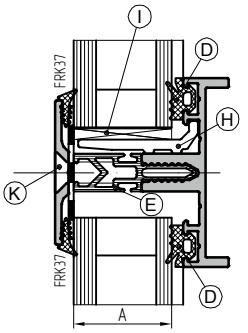
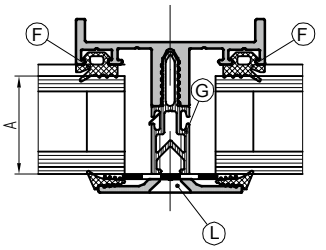
Curtain wall glazing depending on the type of profiles junction. U-turns are to be considered separately

Mullion	Transom notch connection	Transom flat connection
		

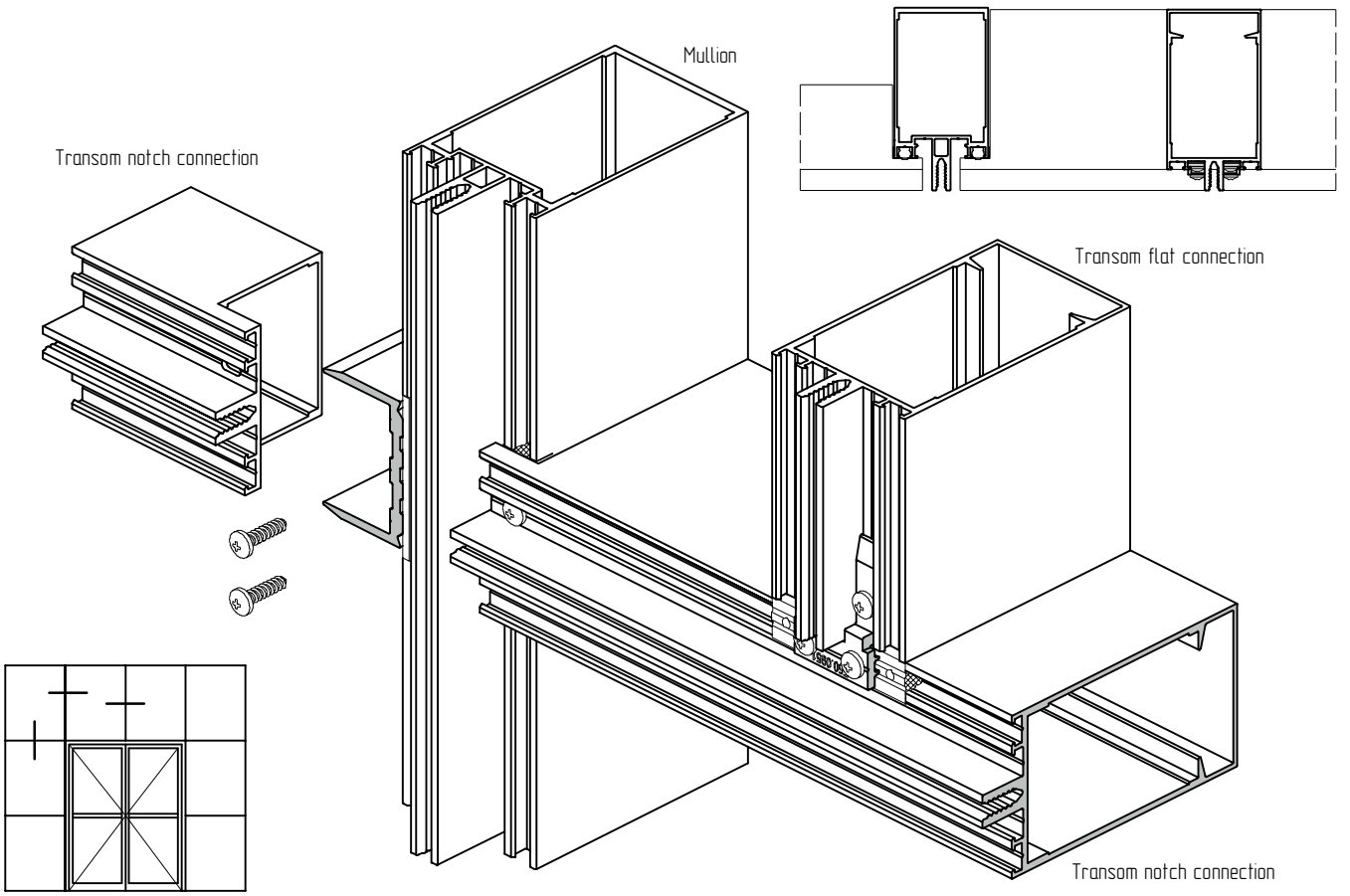
Infill unit thickness	Gasket on mullion	Thermal break on mullion	Gasket for transom notch connection	Thermal break for transom notch conn.	Gasket for transom flat conn.	Thermal break for transom flat conn.	Glazing support				Self-tapping screw ø 5.5 DIN 7982
							bearing	leveling			
A	B	C	D	E	F	G	H	I			J/K/L
28 mm	FRK19	AYPC.F50.0905	FRK16	AYPC.F50.0905	FRK16	AYPC.F50.0905	AYPC.F50.0941	100x32	x1	x2	x3	x32/x32/x32
30 mm	FRK18	AYPC.F50.0905	FRK15	AYPC.F50.0905	FRK15	AYPC.F50.0905	AYPC.F50.0941	100x32	x1	x2	x3	x32/x32/x32
32 mm	FRK17	AYPC.F50.0905	FRK14	AYPC.F50.0905	FRK14	AYPC.F50.0905	AYPC.F50.0941	100x32	x1	x2	x3	x32/x32/x32
34 mm	FRK19	AYPC.F50.0906	FRK16	AYPC.F50.0906	FRK16	AYPC.F50.0906	AYPC.F50.0941-01	100x38	x1	x2	x3	x38/x38/x38
36 mm	FRK18	AYPC.F50.0906	FRK15	AYPC.F50.0906	FRK15	AYPC.F50.0906	AYPC.F50.0941-01	100x38	x1	x2	x3	x38/x38/x38
38 mm	FRK17	AYPC.F50.0906	FRK14	AYPC.F50.0906	FRK14	AYPC.F50.0906	AYPC.F50.0941-01	100x38	x1	x2	x3	x38/x38/x38
40 mm	FRK19	AYPC.F50.0907	FRK16	AYPC.F50.0907	FRK16	AYPC.F50.0907	AYPC.F50.0948-01 AYPC.F50.0949-01 2 x screw 5.5x35 ISO 7462	100x44	x1	x2	x3	x45/x45/x45
42 mm	FRK18	AYPC.F50.0907	FRK15	AYPC.F50.0907	FRK15	AYPC.F50.0907		100x44	x1	x2	x3	x45/x45/x45
44 mm	FRK17	AYPC.F50.0907	FRK14	AYPC.F50.0907	FRK14	AYPC.F50.0907		100x44	x1	x2	x3	x45/x45/x45



Curtain wall glazing depending on the type of profiles junction. U-turns are to be considered separately

Mullion	Transom notch connection	Transom flat connection
		

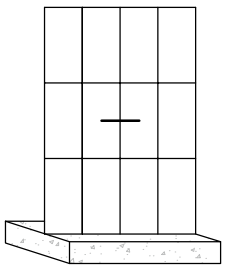
Infill unit thickness	Gasket on mullion	Thermal break on mullion	Gasket for transom notch conn.	Thermal break for transom notch conn.	Gasket for transom notch c.	Thermal break for transom flat conn.	Glazing support				Self-tapping screw ø 5.5 DIN 7982
							bearing	leveling			
A	B	C	D	E	F	G	H	I			J/K/L
4 mm	FRK19	–	FRK16	–	FRK16	–	AYPC.F50.0940	FRK13	1 mm		x19/x19/x19
6 mm	FRK18	–	FRK15	–	FRK15	–	AYPC.F50.0940	FRK13	1 mm		x19/x19/x19
8 mm	FRK17	–	FRK14	–	FRK14	–	AYPC.F50.0940	FRK13	1 mm		x19/x19/x19
22 mm	FRK19	AYPC.F50.0905	FRK16	AYPC.F50.0905	FRK16	AYPC.F50.0905	AYPC.F50.0941	100x26	x1	x2 x3	x32/x32/x32
24 mm	FRK18	AYPC.F50.0905	FRK15	AYPC.F50.0905	FRK15	AYPC.F50.0905	AYPC.F50.0941	100x26	x1	x2 x3	x32/x32/x32
26 mm	FRK17	AYPC.F50.0905	FRK14	AYPC.F50.0905	FRK14	AYPC.F50.0905	AYPC.F50.0941	100x26	x1	x2 x3	x32/x32/x32
28 mm	FRK19	AYPC.F50.0906	FRK16	AYPC.F50.0906	FRK16	AYPC.F50.0906	AYPC.F50.0941-01	100x32	x1	x2 x3	x38/x38/x38
30 mm	FRK18	AYPC.F50.0906	FRK15	AYPC.F50.0906	FRK15	AYPC.F50.0906	AYPC.F50.0941-01	100x32	x1	x2 x3	x38/x38/x38
32 mm	FRK17	AYPC.F50.0906	FRK14	AYPC.F50.0906	FRK14	AYPC.F50.0906	AYPC.F50.0941-01	100x32	x1	x2 x3	x38/x38/x38
34 mm	FRK19	AYPC.F50.0907	FRK16	AYPC.F50.0907	FRK16	AYPC.F50.0907	AYPC.F50.0941-02	100x38	x1	x2 x3	x45/x45/x45
36 mm	FRK18	AYPC.F50.0907	FRK15	AYPC.F50.0907	FRK15	AYPC.F50.0907	AYPC.F50.0941-02	100x38	x1	x2 x3	x45/x45/x45
38 mm	FRK17	AYPC.F50.0907	FRK14	AYPC.F50.0907	FRK14	AYPC.F50.0907	AYPC.F50.0941-02	100x38	x1	x2 x3	x45/x45/x45

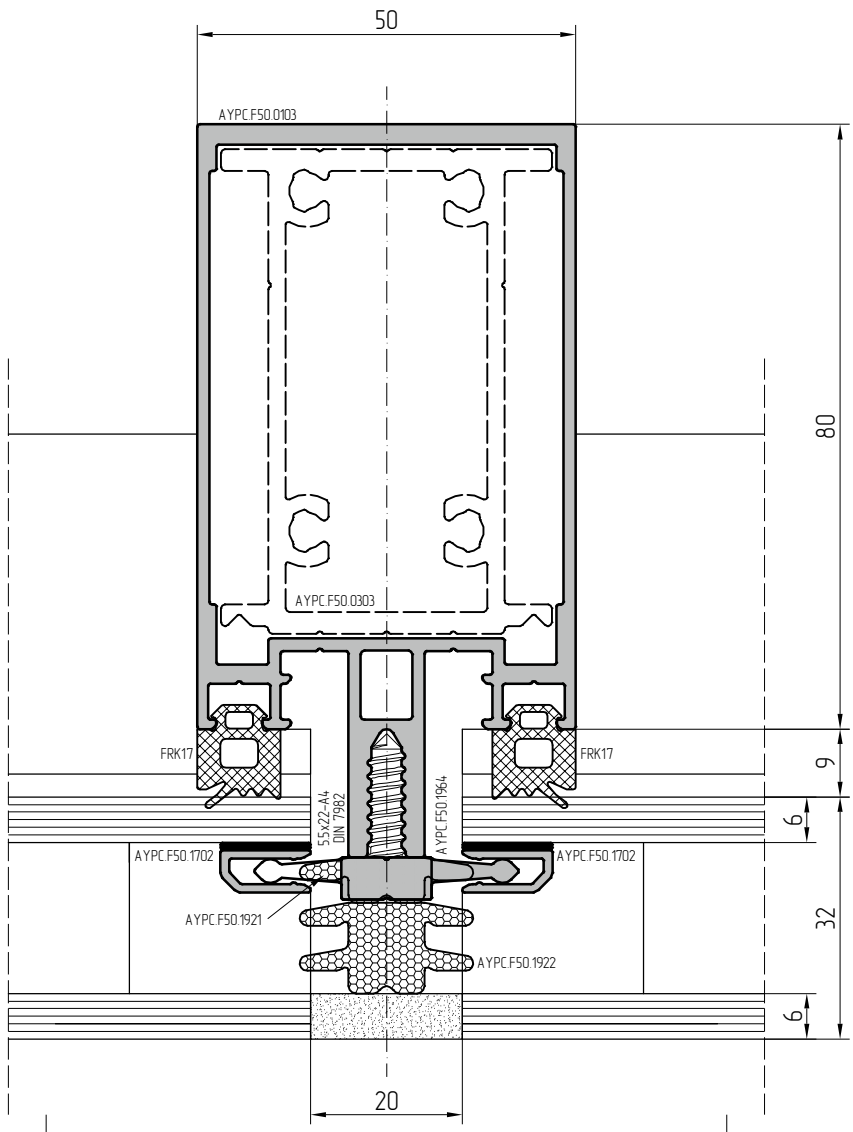


ALUTECH ALT F50 SG
ALUTECH ALT F50 SSG
ALUTECH ALT F50 HL
Curtain wall system modifications

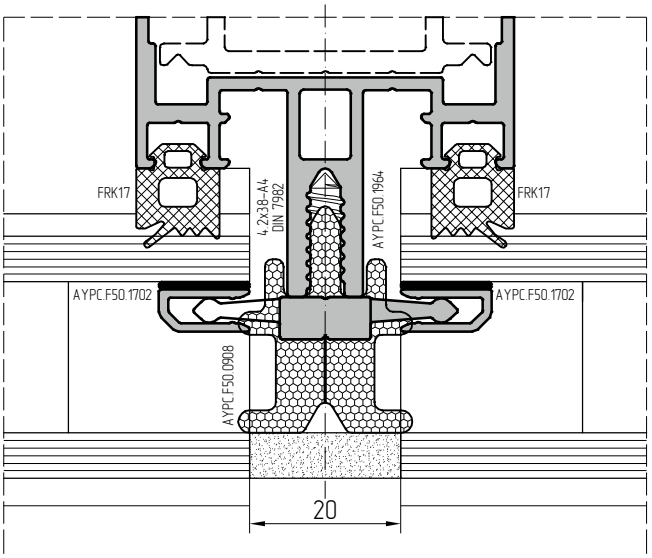
Sections and joint solutions

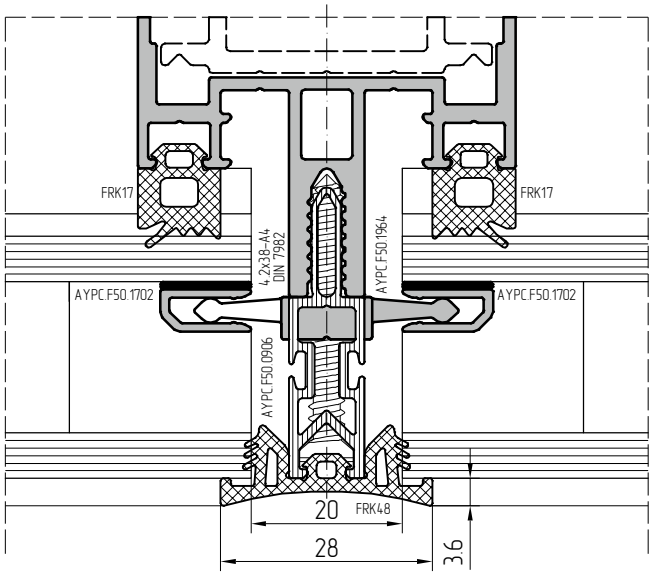
Scale 1:1



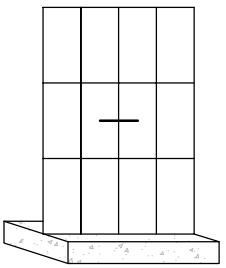


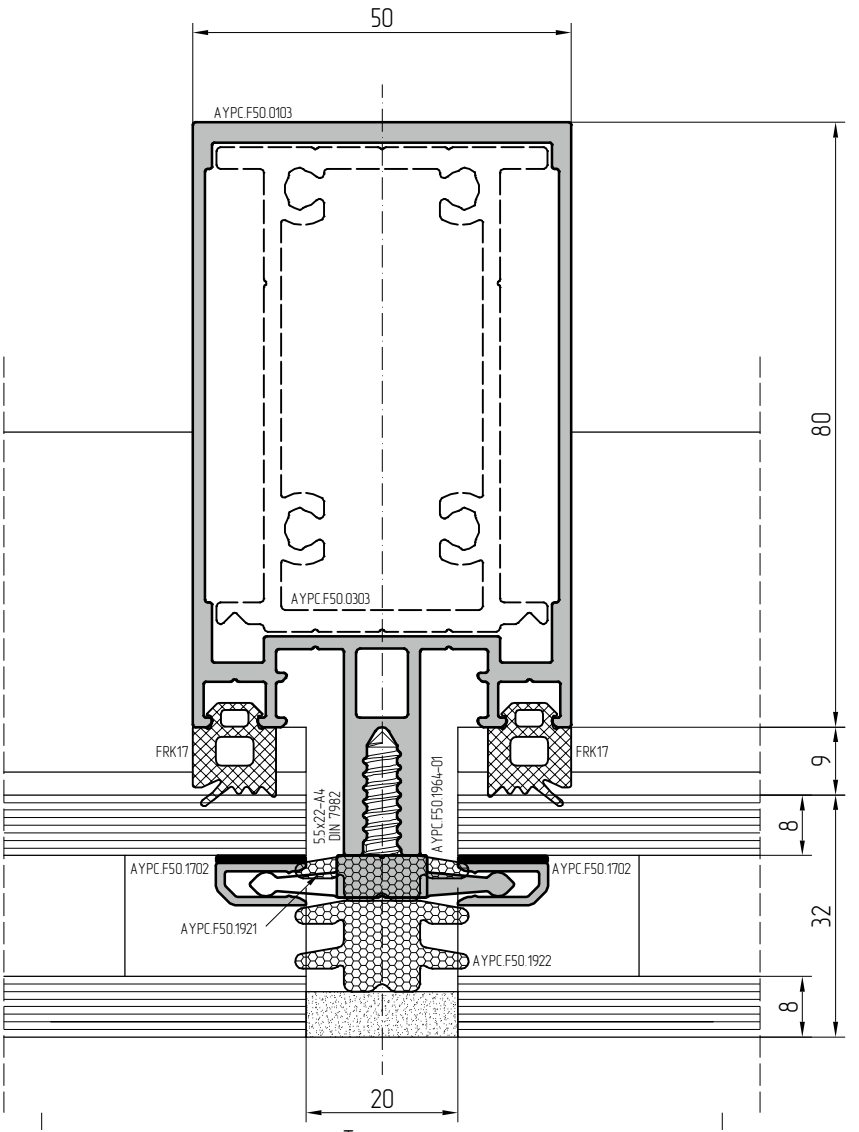
Types



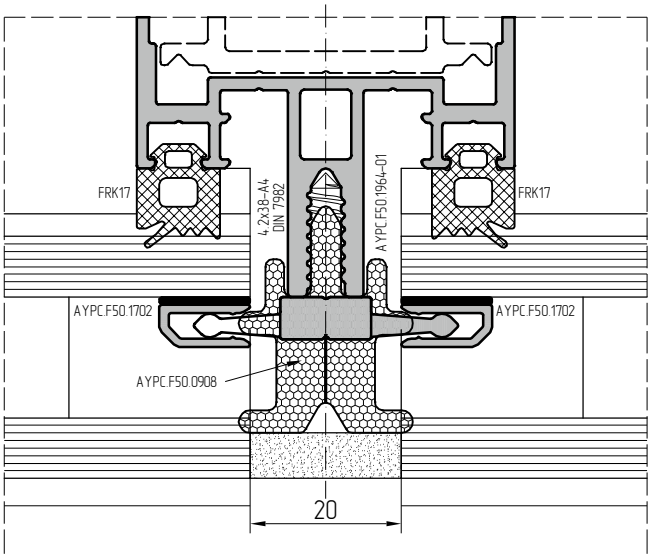


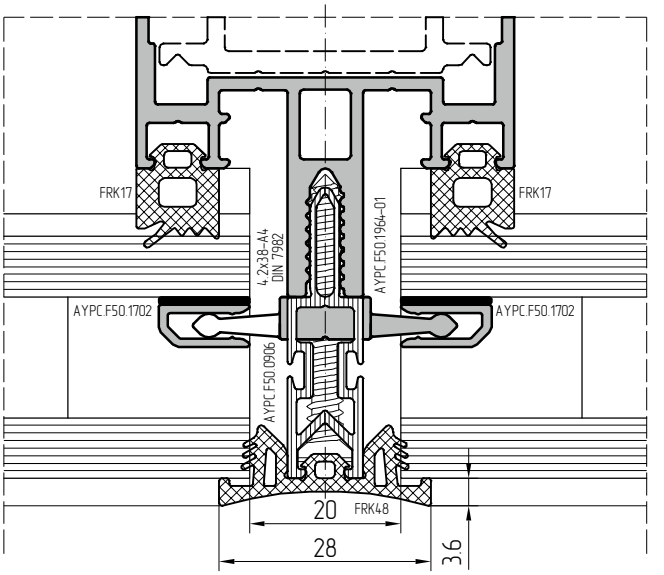
Scale 1:1



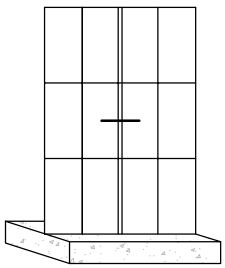


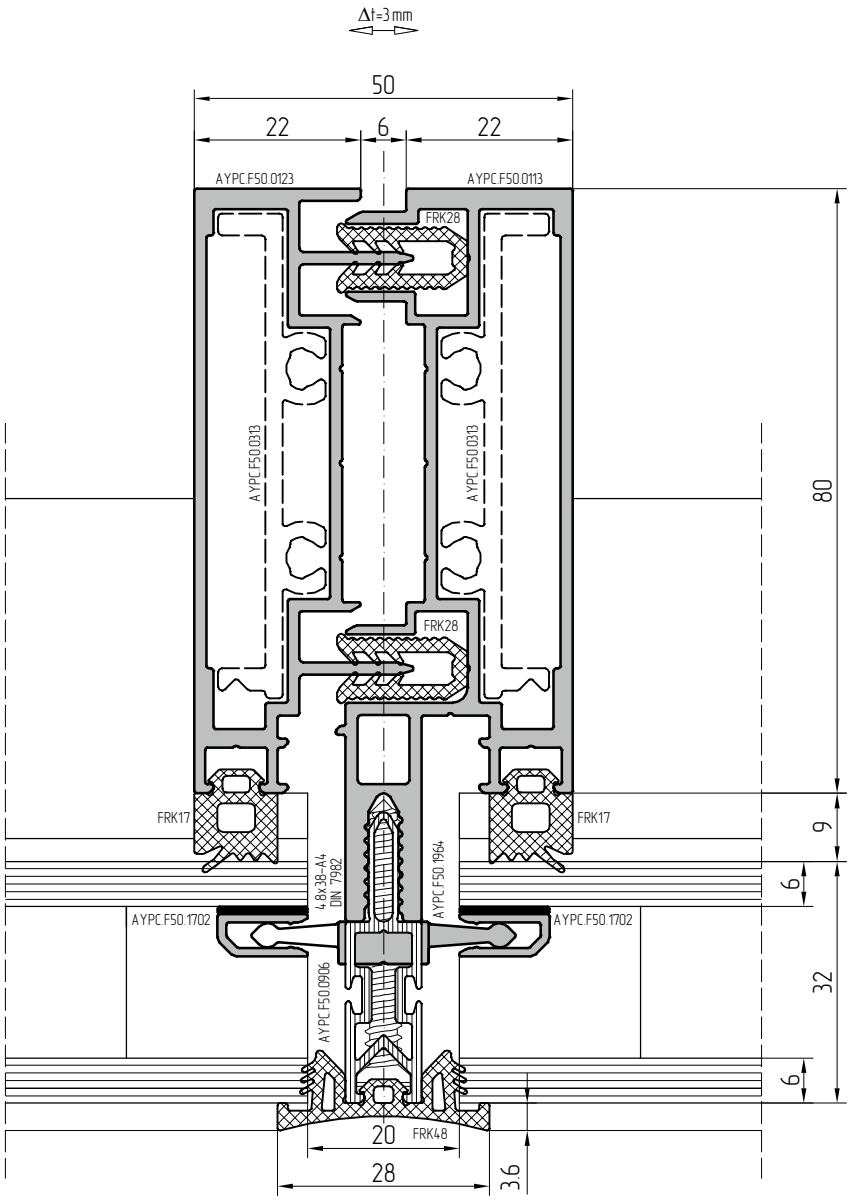
Types



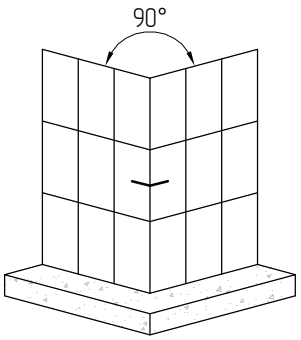


Scale 1:1

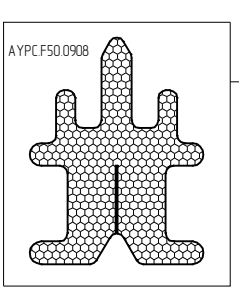


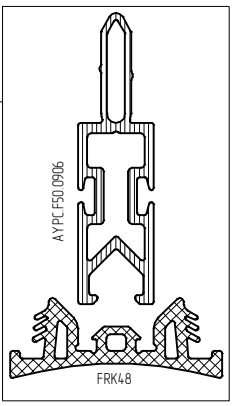

Δt=3 mm
50
22
6
22
AYPC.F50.0123
AYPC.F50.0113
FRK28
AYPC.F50.0313
AYPC.F50.0313
FRK28
FRK17
FRK17
AYPC.F50.1964
4.8x38-A4
DIN 7982
AYPC.F50.1702
AYPC.F50.1702
AYPC.F50.0906
FRK48
20
28
3.6
80
9
6
32
6

Scale 1:1

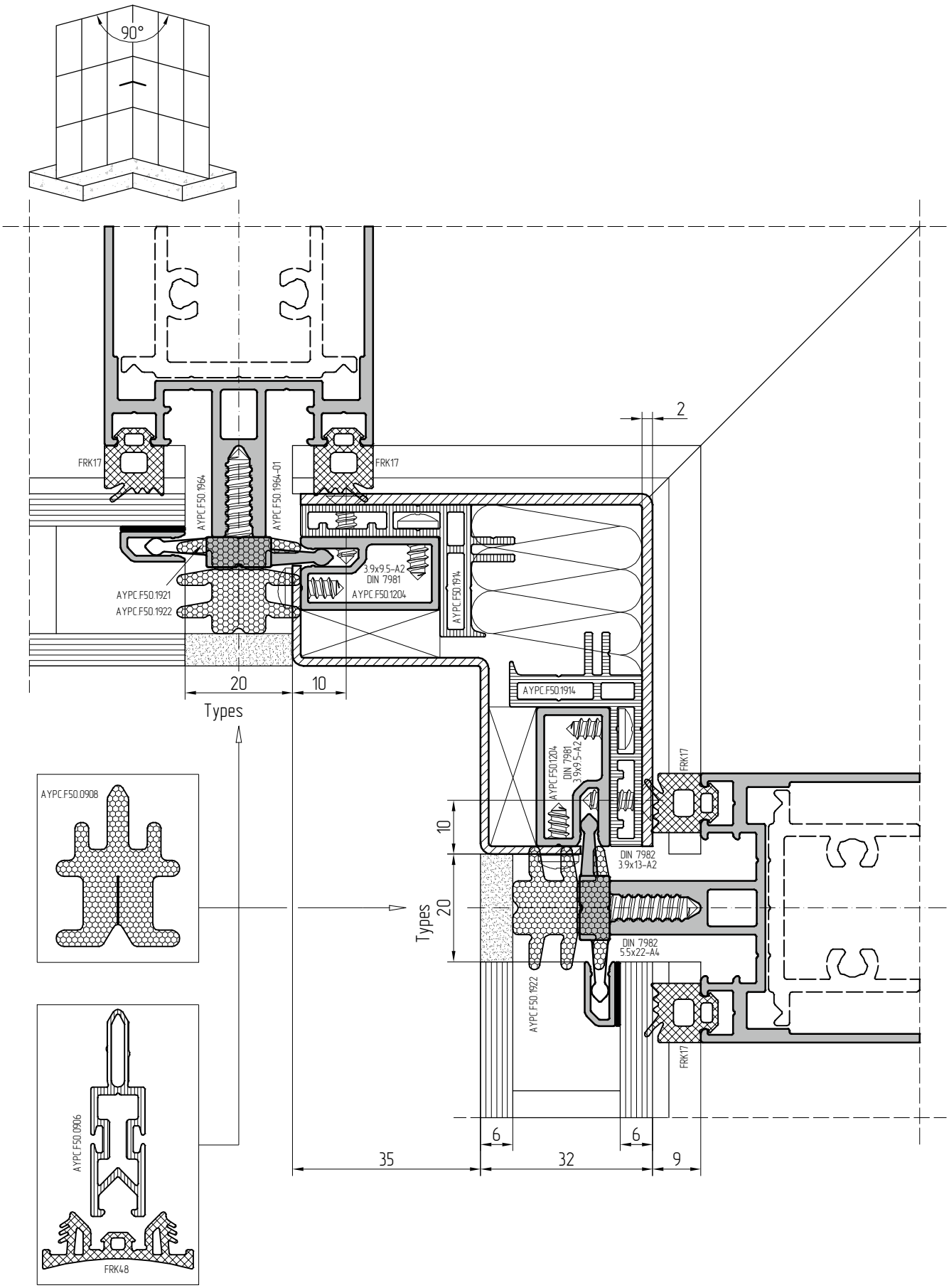


Types

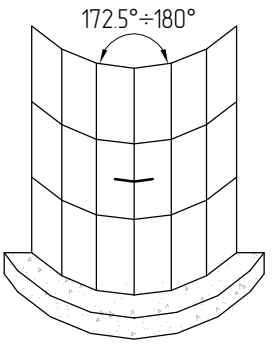


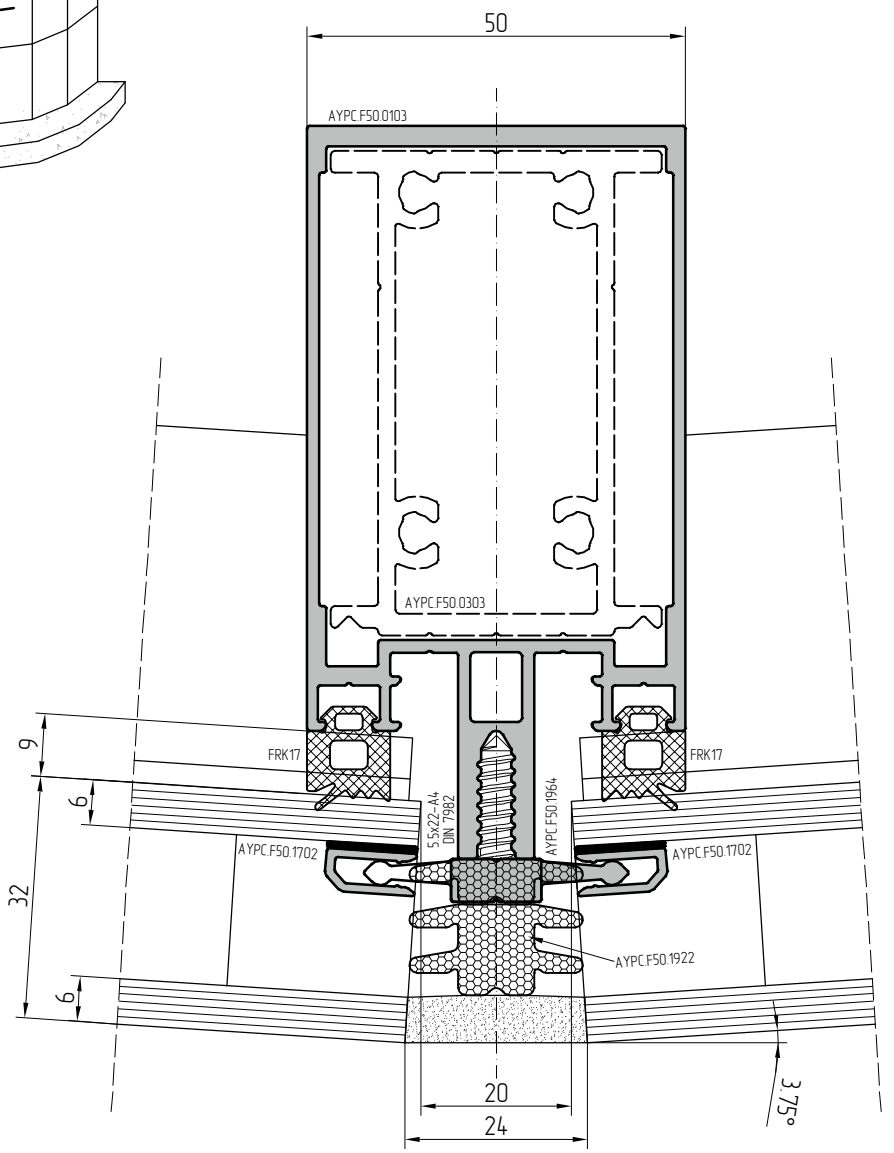


Scale 1:1

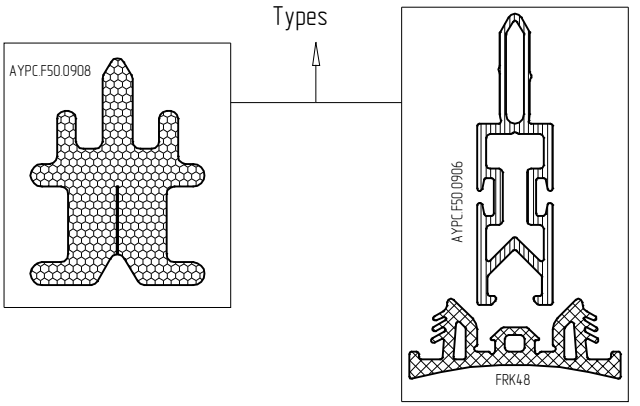

90°
FRK17
AYPC.F50.1964
AYPC.F50.1964-01
FRK17
2
3.9x9.5-A2
DIN 7981
AYPC.F50.1204
AYPC.F50.1914
AYPC.F50.1921
AYPC.F50.1922
20
10
Types
AYPC.F50.1914
AYPC.F50.1204
DIN 7981
3.9x9.5-A2
FRK17
DIN 7982
3.9x13-A2
10
20
Types
DIN 7982
5.5x22-A4
AYPC.F50.1922
FRK17
AYPC.F50.0908
AYPC.F50.0906
FRK48
6
6
35
32
9

Scale 1:1

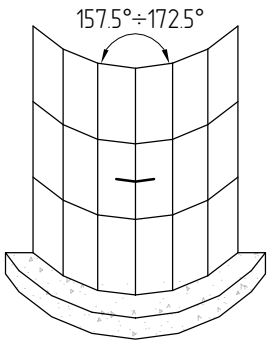


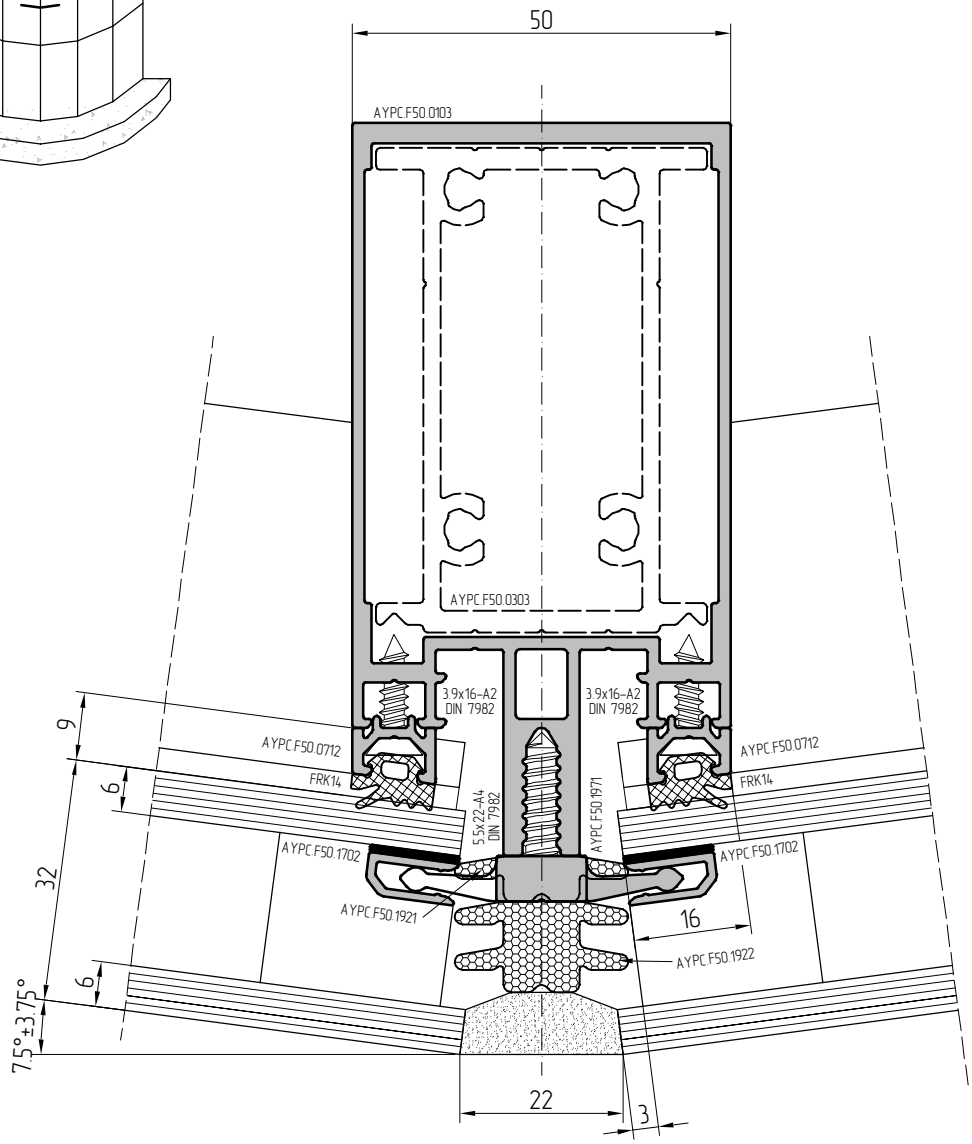


Types

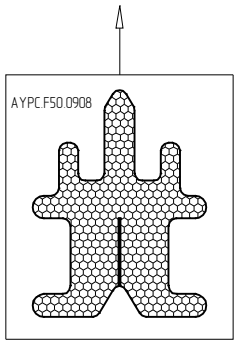


Scale 1:1

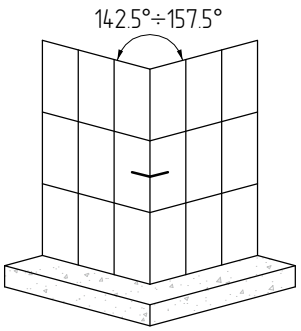


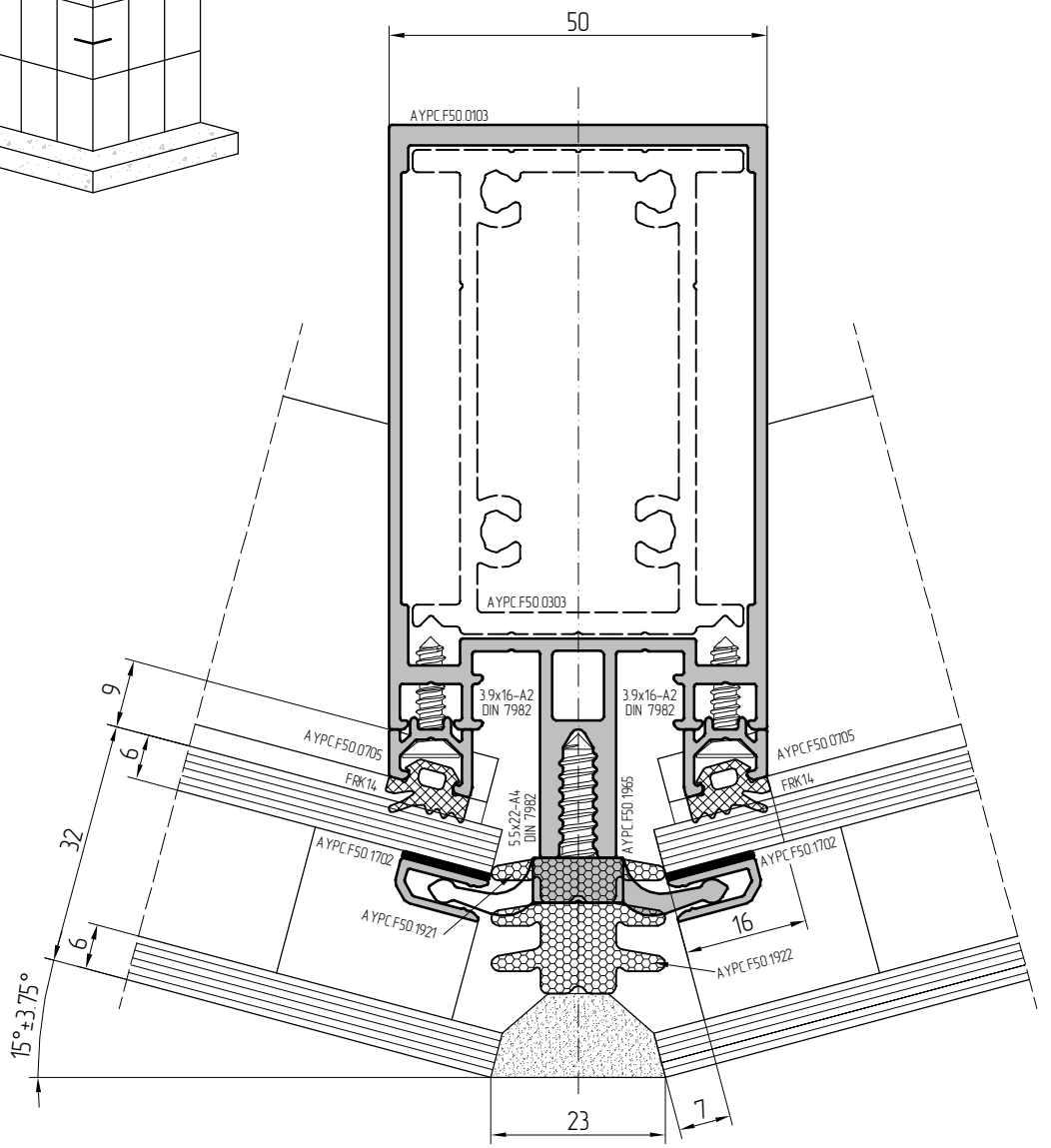


Type

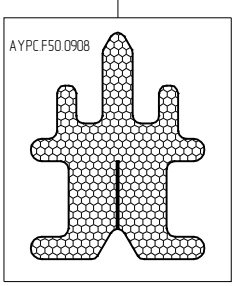


Scale 1:1

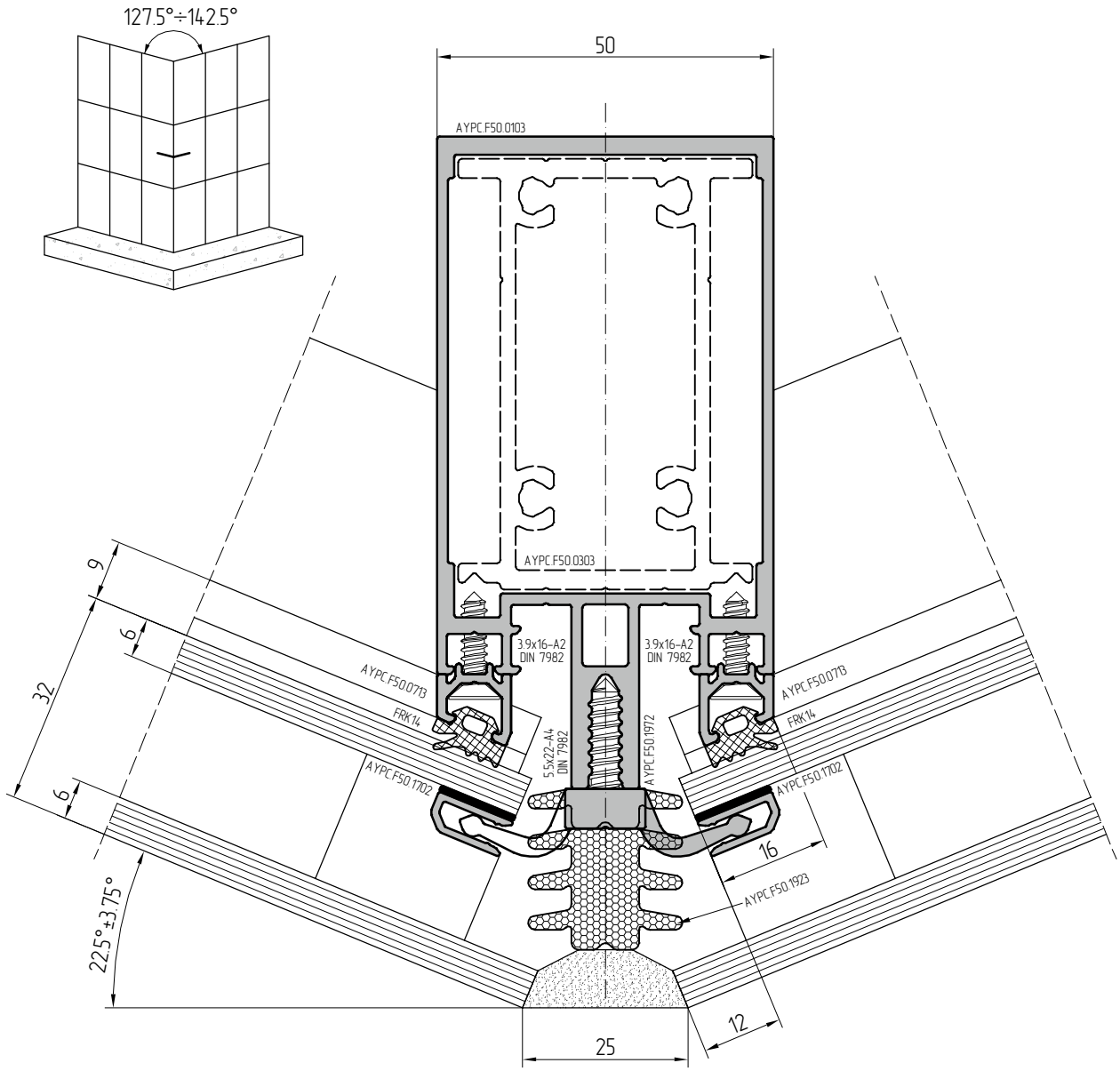




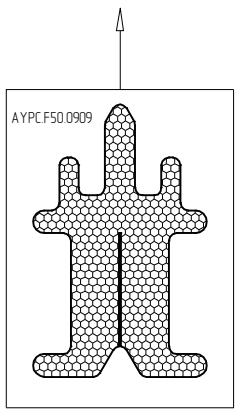
Type



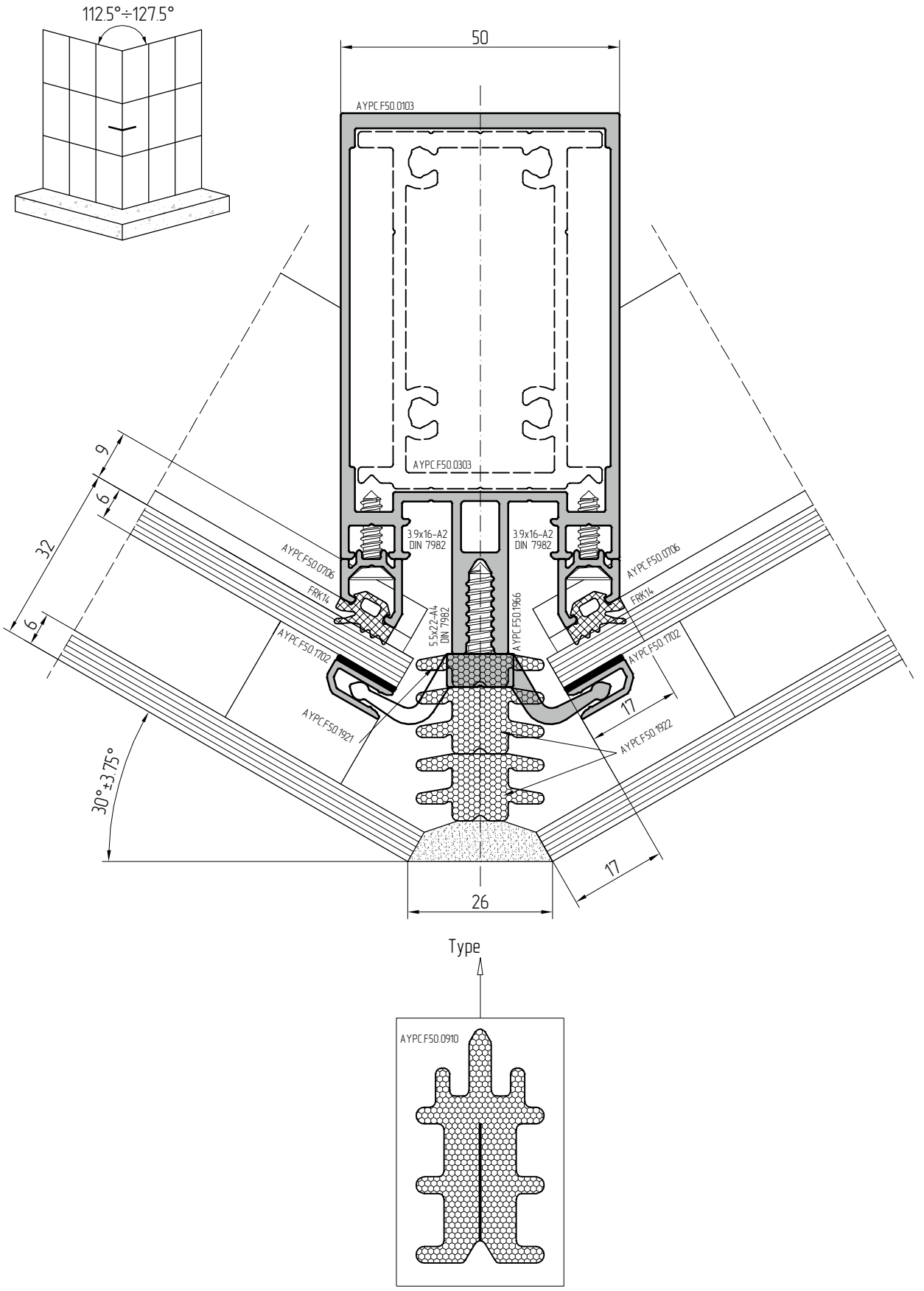
Scale 1:1



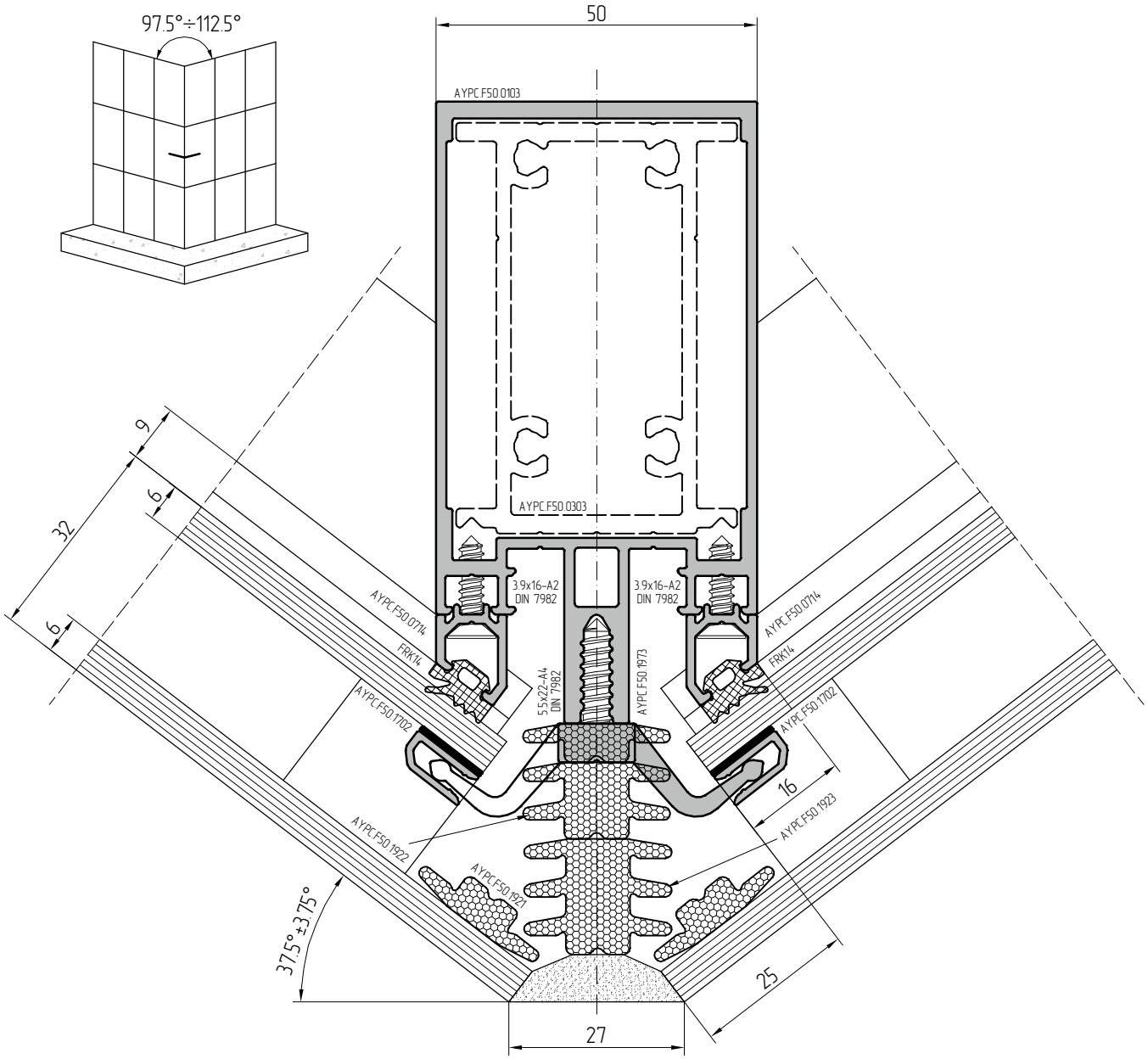
Type



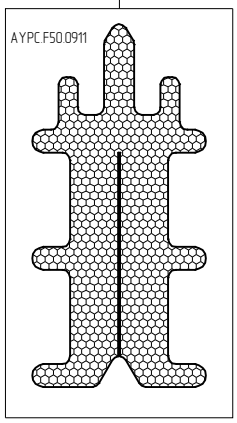
Scale 1:1


112.5°÷127.5°
50
AYPC.F50.0103
AYPC.F50.0303
3.9x16-A2
DIN 7982
3.9x16-A2
DIN 7982
5.5x22-A4
DIN 7982
AYPC.F50.1966
AYPC.F50.0706
FRK14
AYPC.F50.0706
FRK14
AYPC.F50.1702
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1922
9
6
32
6
30°±3.75°
17
17
26
Type
AYPC.F50.0910

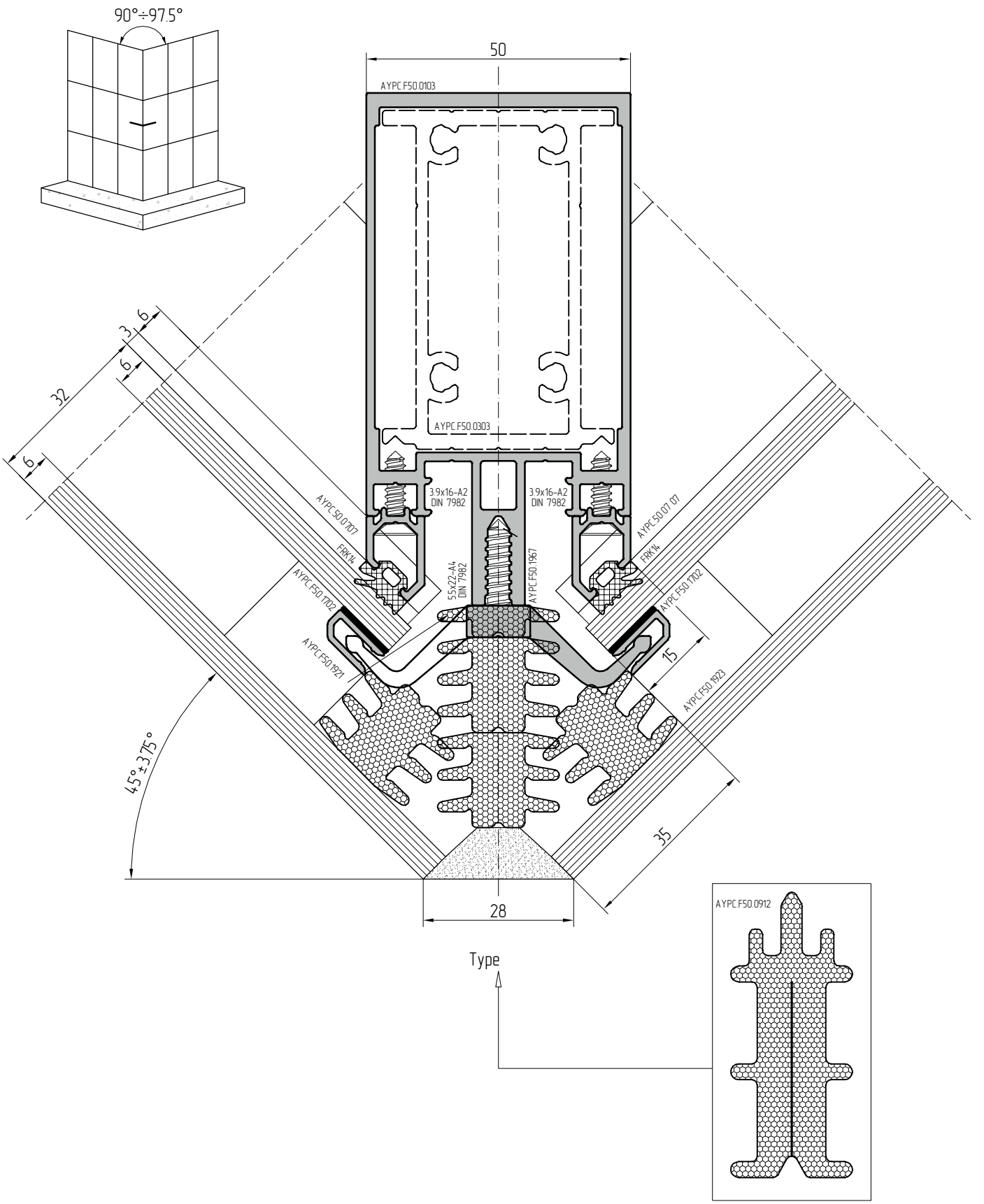
Scale 1:1



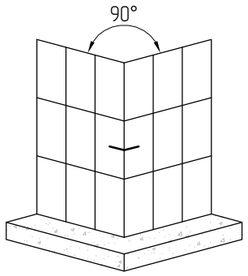
Type

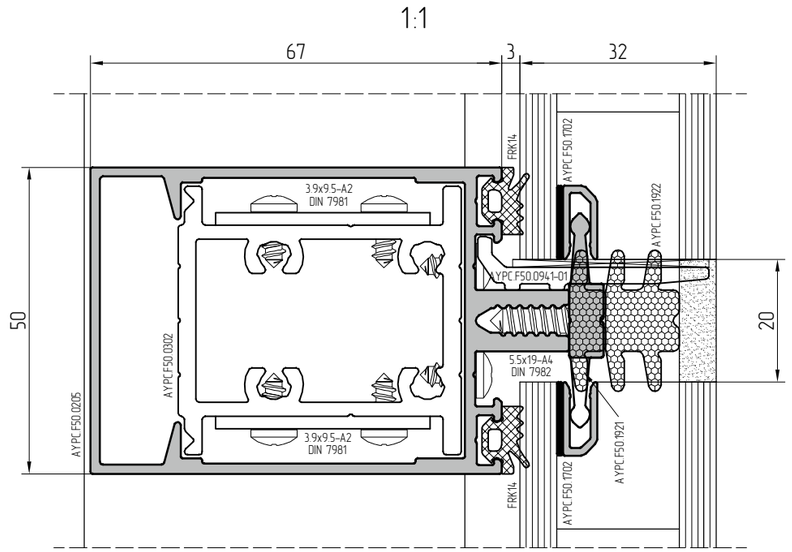


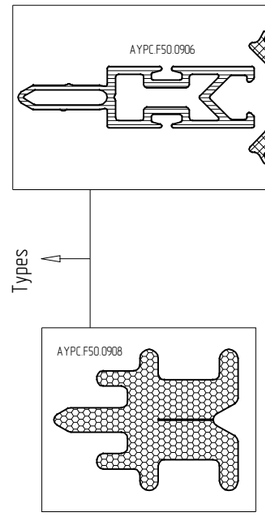
Scale 1:1

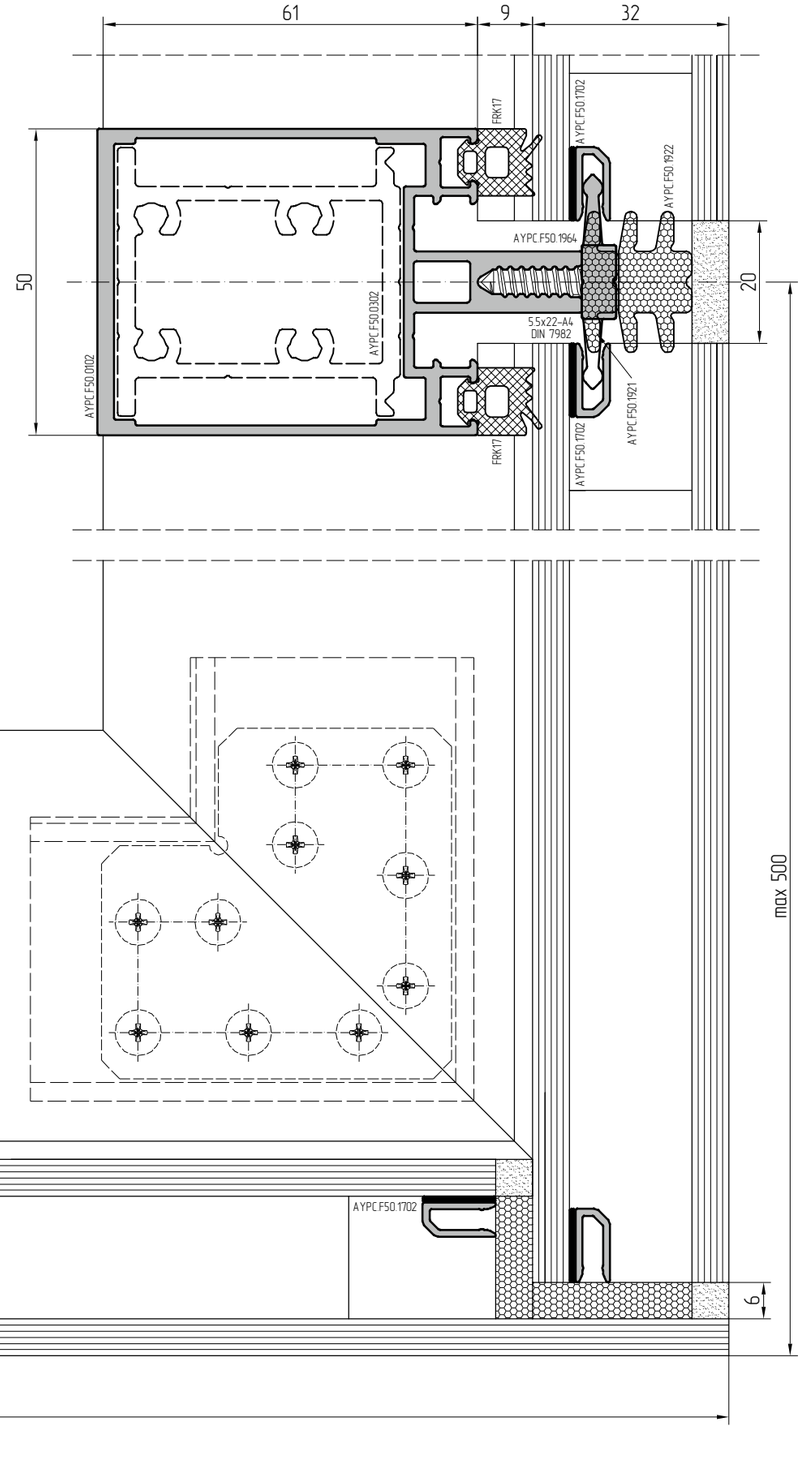

90°÷97.5°
50
AYPC.F50.0103
AYPC.F50.0303
3.9x16-A2 DIN 7982
3.9x16-A2 DIN 7982
5.5x22-A4 DIN 7982
AYPC.F50.1967
AYPC.50.0707
FRK14
AYPC.50.0707
FRK14
AYPC.F50.1702
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1923
3
6
6
32
6
15
35
45°±3.75°
28
Type
AYPC.F50.0912

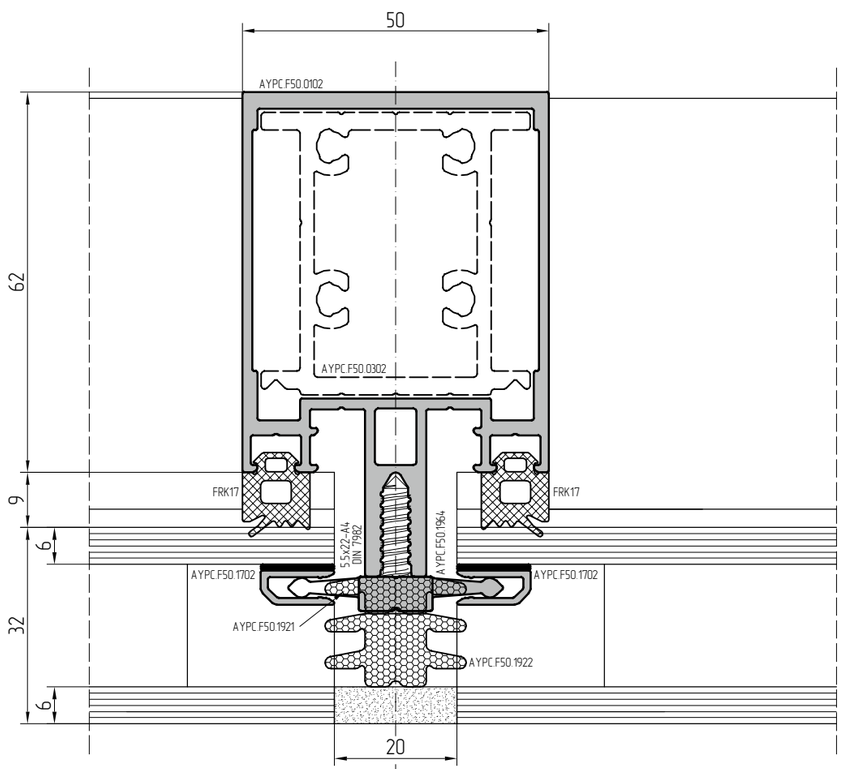
Scale 1:1


90°

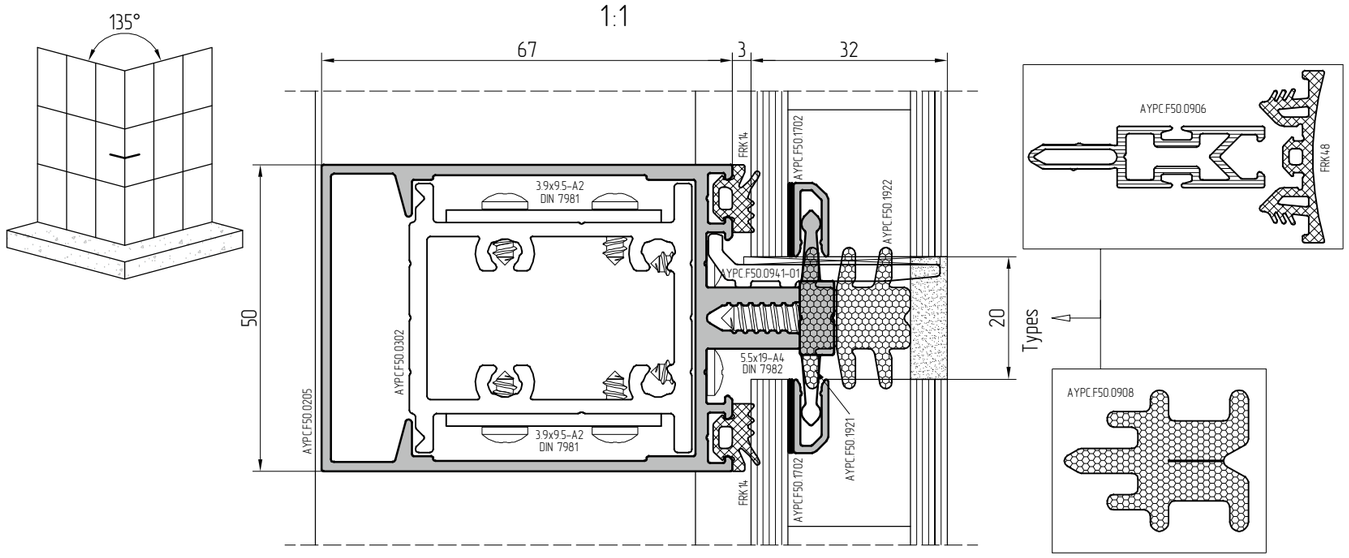

1:1
67
3
32
50
20
AYPC F50.0205
AYPC F50.0302
AYPC F50.0941-01
AYPC F50.1702
AYPC F50.1922
AYPC F50.1921
FRK14
3.9x9.5-A2
DIN 7981
5.5x19-A4
DIN 7982

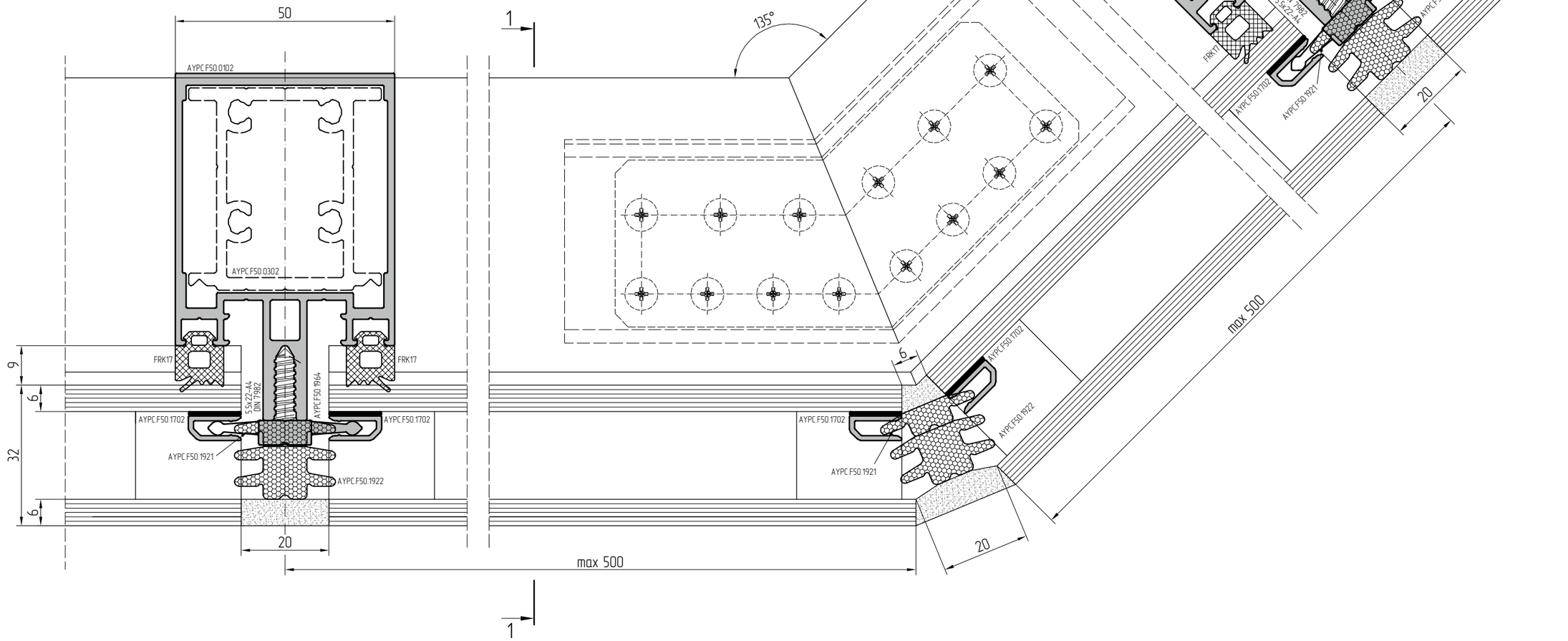

AYPC F50.0906
FRK48
Types
AYPC F50.0908


61
9
32
50
20
AYPC F50.0102
AYPC F50.0302
AYPC F50.1964
AYPC F50.1702
AYPC F50.1922
AYPC F50.1921
FRK17
5.5x22-A4
DIN 7982
1
max 500

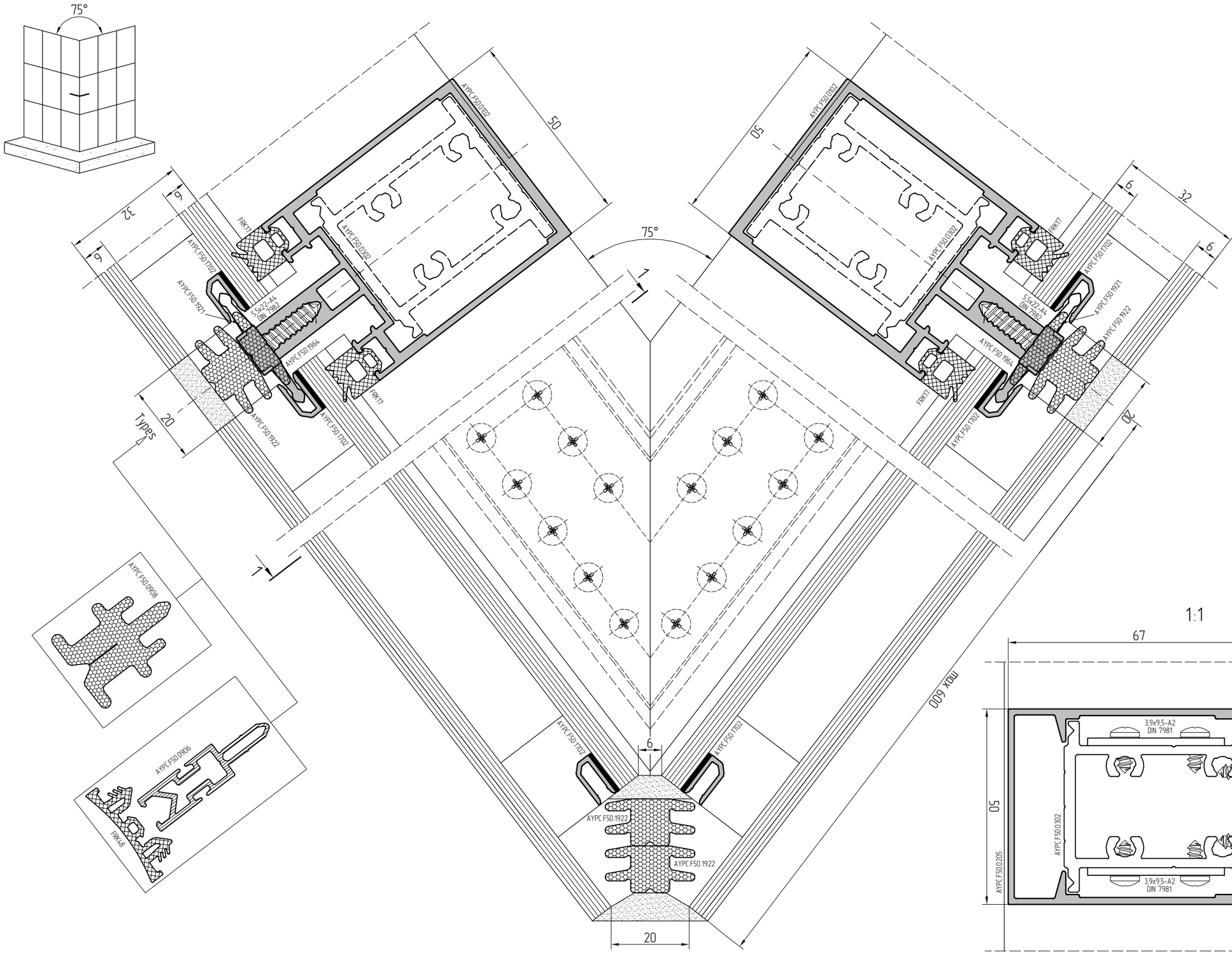

50
AYPC F50.0102
AYPC F50.0302
FRK17
FRK17
5.5x22-A4
DIN 7982
AYPC F50.1964
AYPC F50.1702
AYPC F50.1702
AYPC F50.1921
AYPC F50.1922
62
9
6
32
6
20

Scale 1:1


135°
1:1
67
3
32
50
20
AYPC F50.0205
AYPC F50.0302
AYPC F50.0941-01
AYPC F50.1702
AYPC F50.1922
AYPC F50.1921
FRK14
3.9x9.5-A2
DIN 7981
5.5x19-A4
DIN 7982
AYPC F50.0906
FRK48
Types
AYPC F50.0908

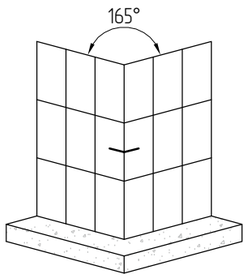

50
1
AYPC F50.0102
AYPC F50.0302
FRK17
5.5x22-A4
DIN 7982
AYPC F50.9164
AYPC F50.1702
AYPC F50.1921
AYPC F50.1922
9
6
32
20
max 500
135°
50
AYPC F50.0102
AYPC F50.0302
FRK17
AYPC F50.1702
AYPC F50.9164
AYPC F50.1921
AYPC F50.1922
20
6
max 500

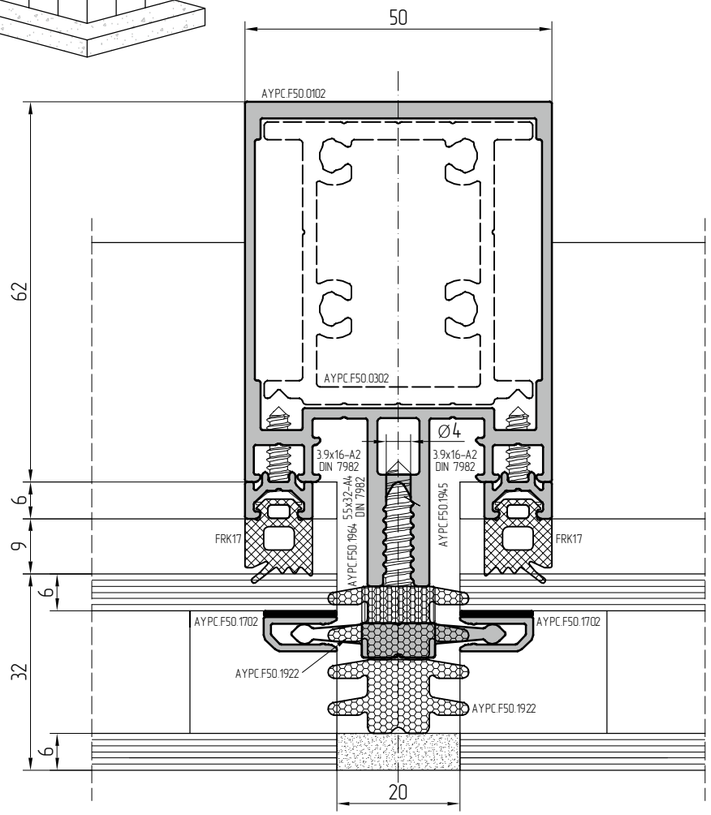
Scale 1:1

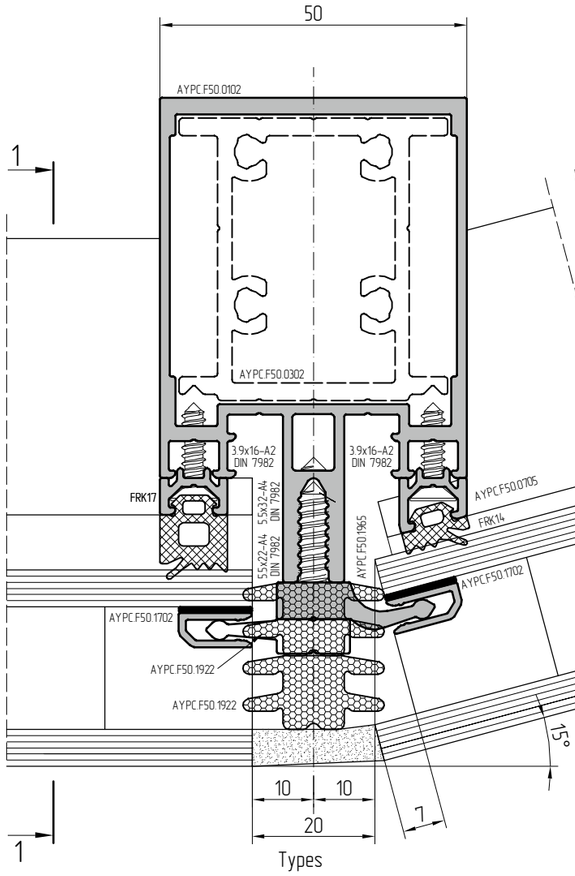

75°
AYPC F50.0102
50
32
6
6
AYPC F50.1702
AYPC F50.1921
5,5x22-A4 DIN 7982
AYPC F50.1964
FRK17
AYPC F50.1922
AYPC F50.1702
20
Types
7
AYPC F50.0102
05
AYPC F50.1702
AYPC F50.0102
FRK17
6
32
AYPC F50.1702
AYPC F50.1921
AYPC F50.1922
5,5x22-A4 DIN 7982
AYPC F50.1964
FRK17
AYPC F50.1702
20
AYPC F50.0908
AYPC F50.0906
FRK48
AYPC F50.1702
AYPC F50.1702
6
AYPC F50.1922
AYPC F50.1922
20
max 600

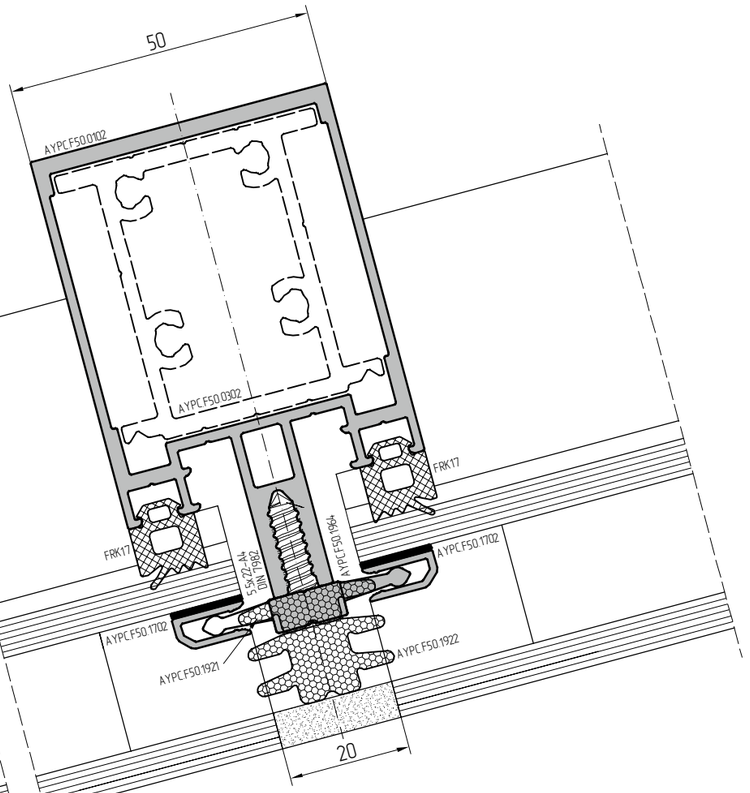
1:1
67
3
32
FRK14
AYPC F50.1702
3,9x9,5-A2 DIN 7981
AYPC F50.1922
AYPC F50.09L1-01
50
AYPC F50.0102
AYPC F50.0205
5,5x19-A4 DIN 7982
20
3,9x9,5-A2 DIN 7981
FRK14
AYPC F50.1702
AYPC F50.1921

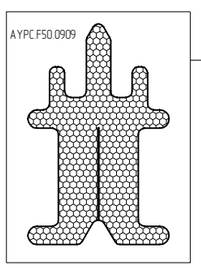
Scale 1:1

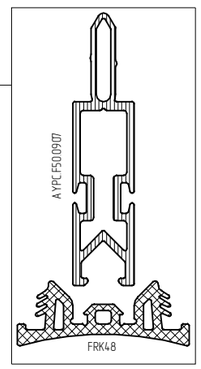

165°

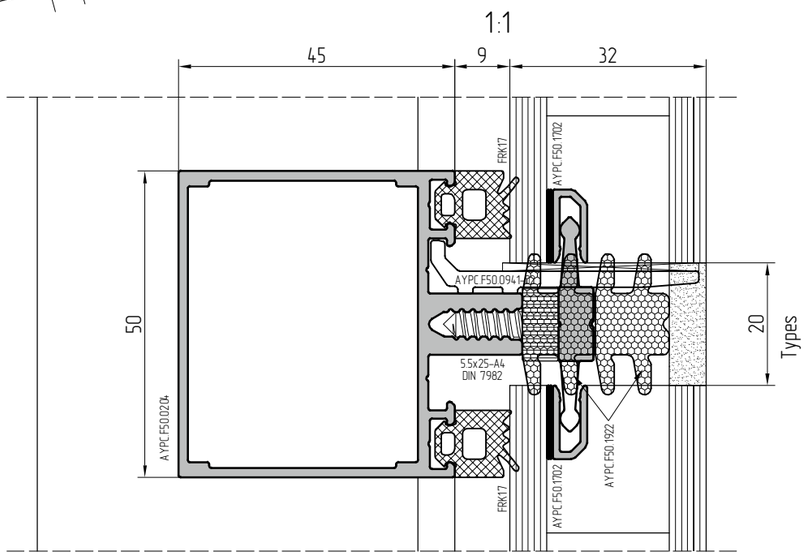

50
AYPC F50 0102
AYPC F50 0302
3.9x16-A2 DIN 7982
Ø4
5.5x32-A4 DIN 7982
AYPC F50 1964
AYPC F50 1945
FRK17
AYPC F50.1702
AYPC F50.1922
62
6
9
6
32
6
20
Types


1
50
AYPC F50 0102
AYPC F50 0302
3.9x16-A2 DIN 7982
FRK17
5.5x32-A4 DIN 7982
AYPC F50 1965
AYPC F50.0705
FRK14
AYPC F50.1702
AYPC F50.1922
15°
10
10
20
7
Types
1

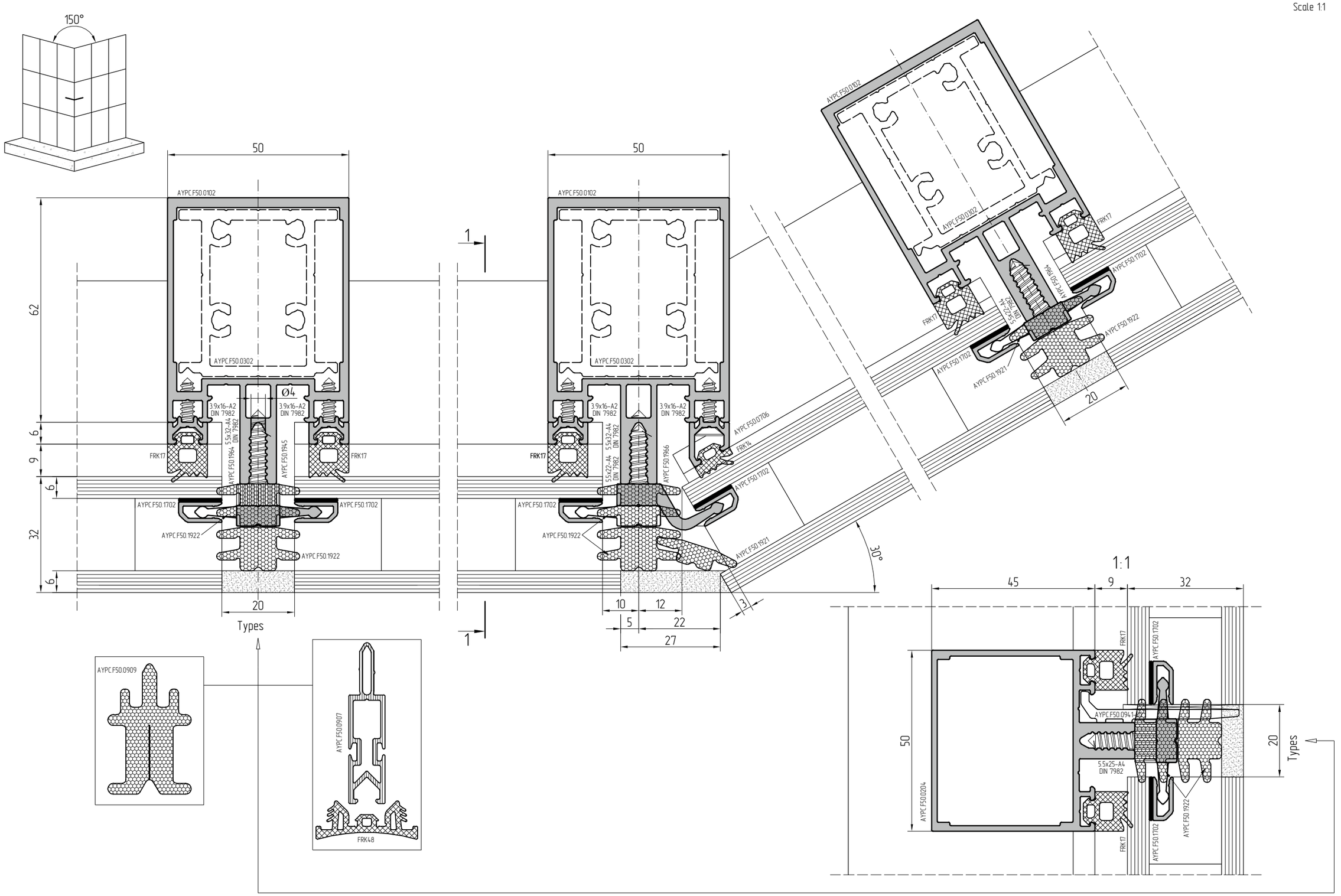

50
AYPC F50 0102
AYPC F50 0302
FRK17
AYPC F50 1964
AYPC F50.1702
5.5x22-A4 DIN 7982
AYPC F50.1921
AYPC F50.1922
20


AYPC F50.0909

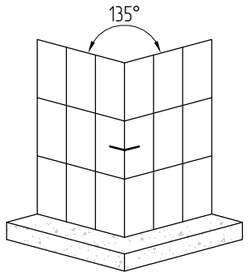

AYPC F50.0907
FRK48

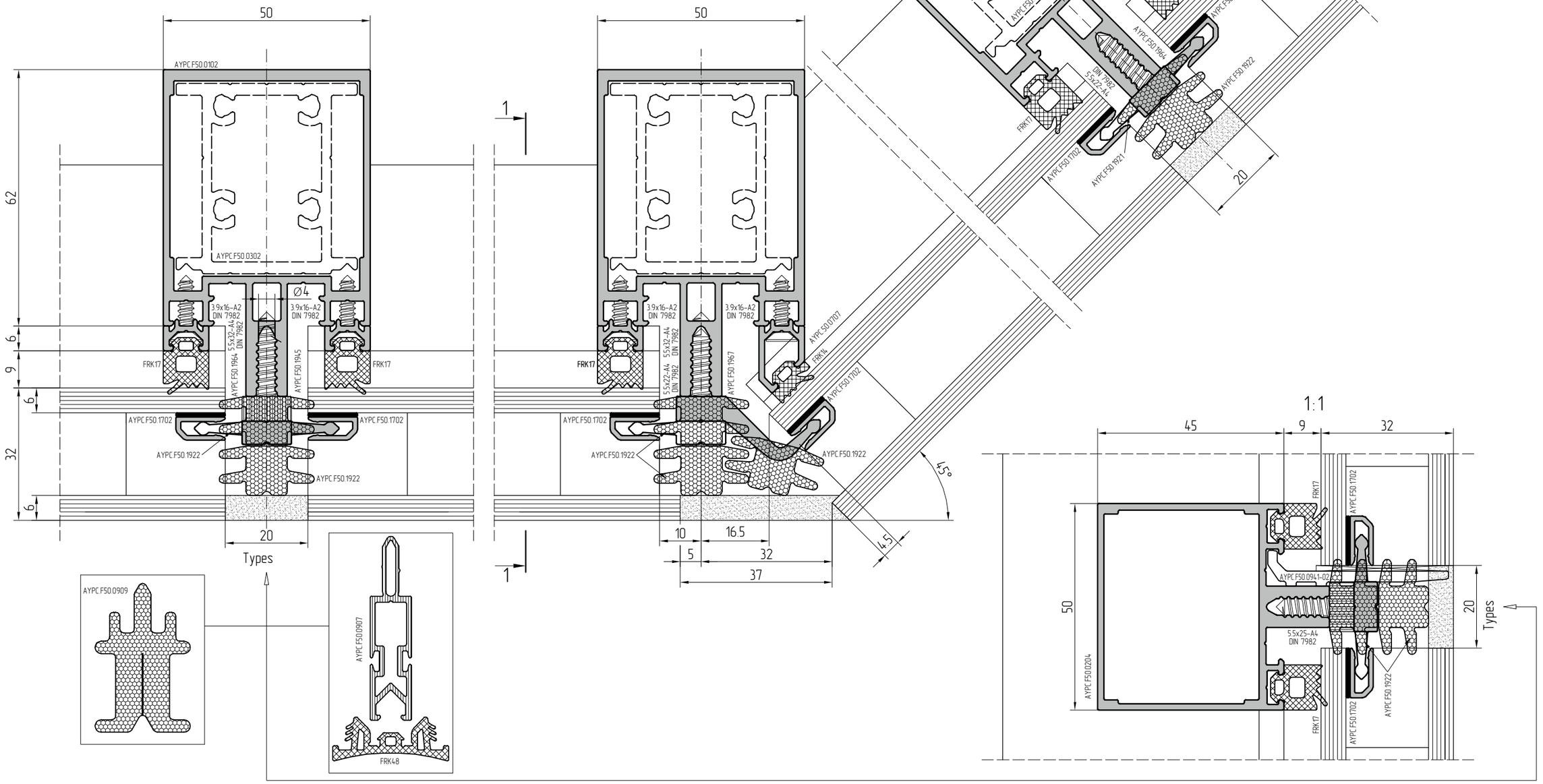

1:1
45
9
32
50
AYPC F50.0102A
FRK17
AYPC F50.1702
AYPC F50.0941-A2
5.5x25-A4 DIN 7982
AYPC F50.1922
20
Types

Scale 1:1


150°
50
AYPC F50.0102
AYPC F50.0302
62
6
9
6
32
6
Ø4
3.9x16–A2 DIN 7982
5.5x32–A4 DIN 7982
AYPC F50.1964
AYPC F50.1945
FRK17
AYPC F50.1702
AYPC F50.1922
20
1
50
AYPC F50.0102
AYPC F50.0302
3.9x16–A2 DIN 7982
5.5x32–A4 DIN 7982
5.5x22–A4 DIN 7982
AYPC F50.1966
AYPC F50.0706
FRK14
AYPC F50.1702
AYPC F50.1921
AYPC F50.1922
30°
10
12
5
22
27
3
1
AYPC F50.0102
AYPC F50.0302
FRK17
AYPC F50.1702
AYPC F50.1964
5.5x22–A4 DIN 7982
AYPC F50.1922
20
1:1
45
9
32
50
AYPC F50.0204
5.5x25–A4 DIN 7982
AYPC F50.0941
20
Types
AYPC F50.0909
AYPC F50.0907
FRK48

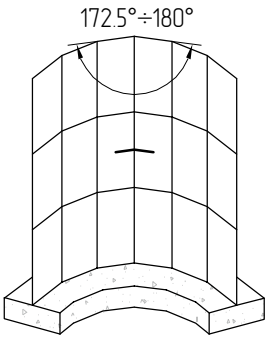
Scale 1:1

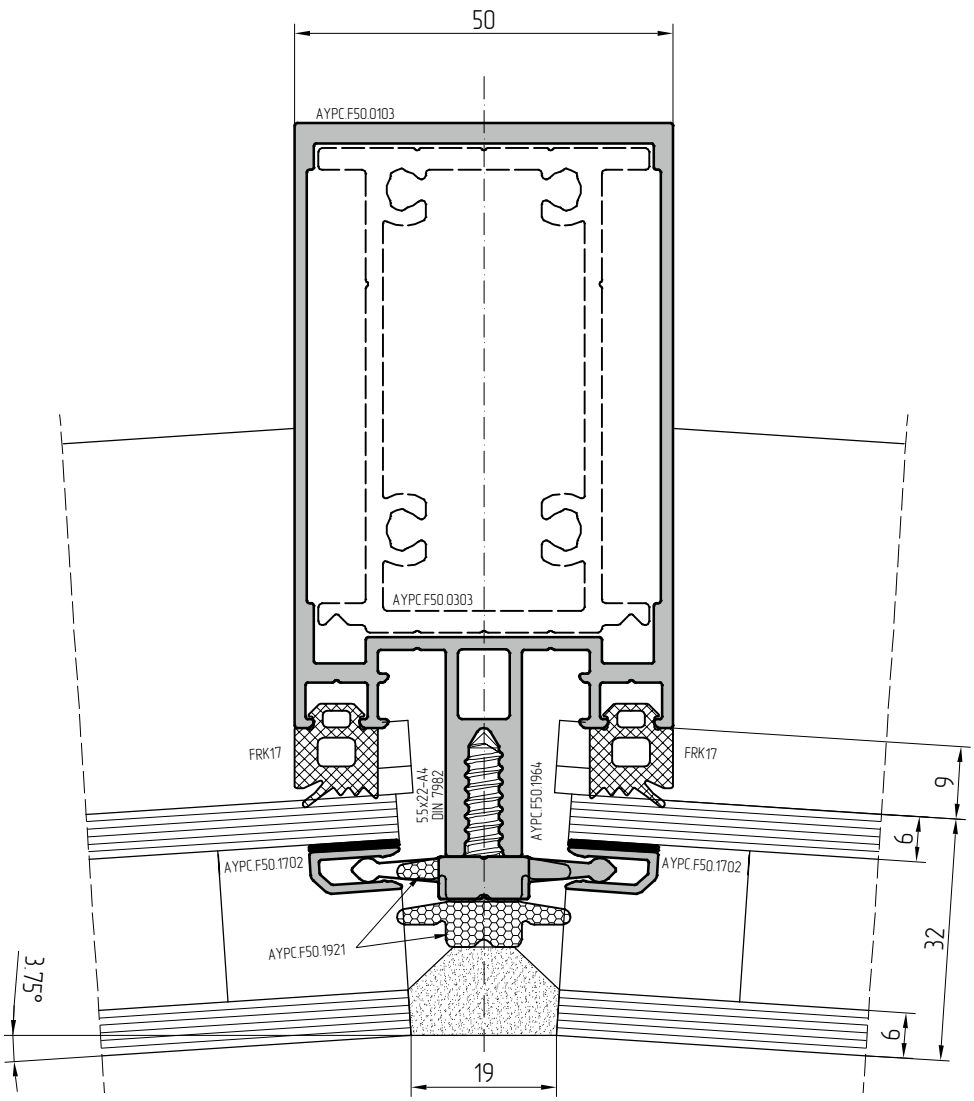

135°


50
50
AYPC F50 0102
AYPC F50 0302
62
6
9
6
32
6
1
Ø4
3.9x16-A2 DIN 7982
5.5x22-A4 DIN 7982
FRK17
AYPC F50 1964
AYPC F50 1945
AYPC F50.1702
AYPC F50.1922
20
Types
AYPC F50.0909
AYPC F50.0907
FRK48
AYPC F50 1967
AYPC F50.0707
FRK14
10
16.5
5
32
37
4.5
45°
AYPC F50 0102
AYPC F50 0302
FRK17
AYPC F50 1702
AYPC F50 1964
DIN 7982 5.5x22-A4
AYPC F50 1922
AYPC F50 1921
20

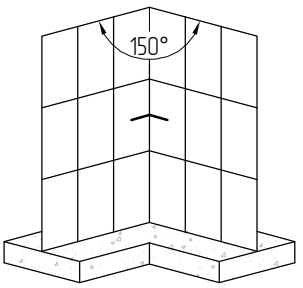
1:1
45
9
32
50
AYPC F50.0204
AYPC F50.0941-02
5.5x25-A4 DIN 7982
FRK17
AYPC F50.1702
AYPC F50.1922
20
Types

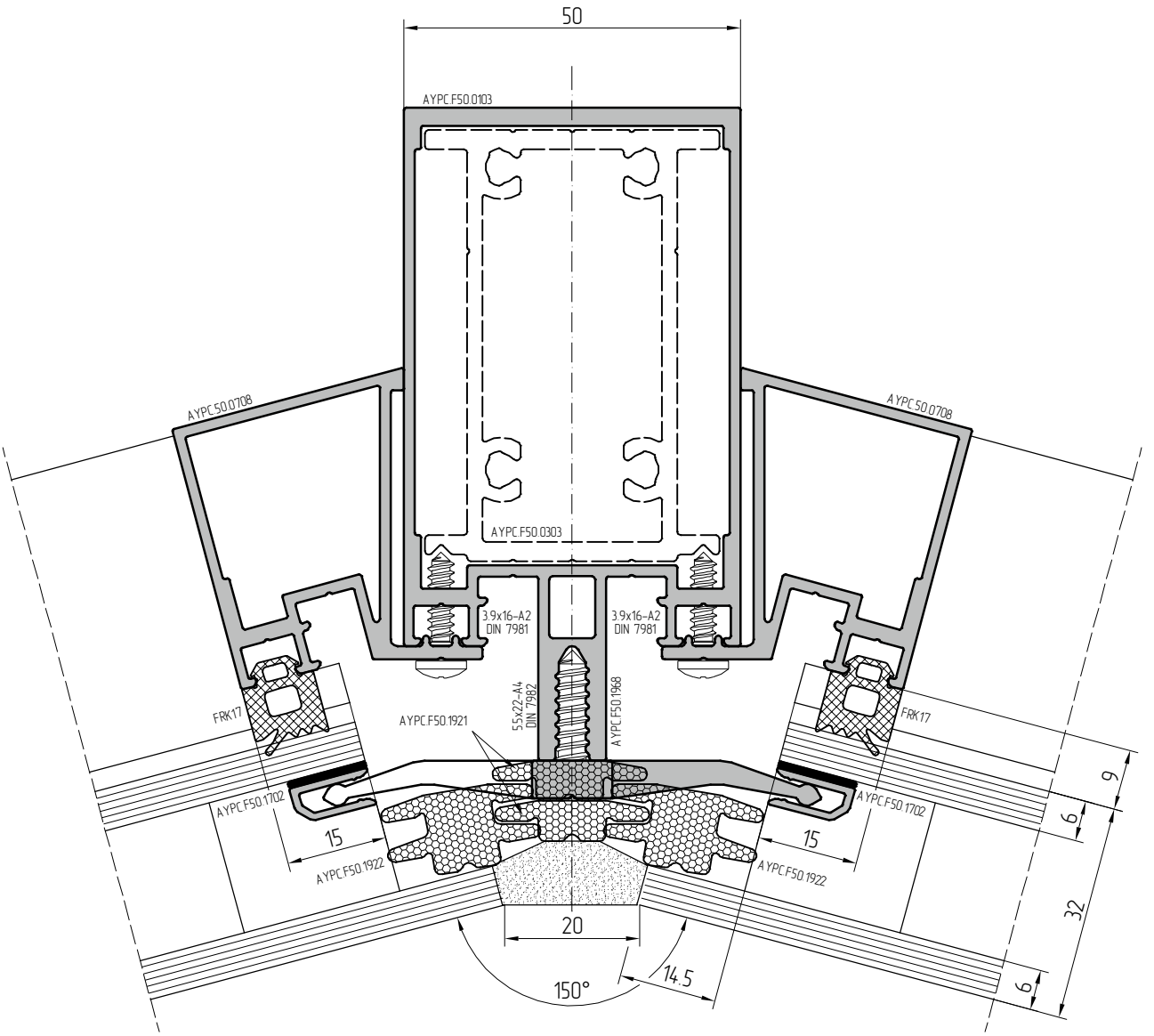
Scale 1:1


172.5°÷180°

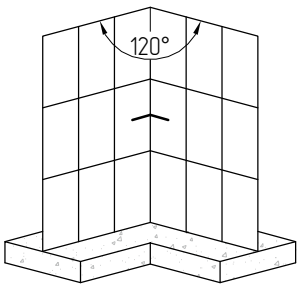

50
AYPC.F50.0103
AYPC.F50.0303
FRK17
FRK17
55x22-A4
DIN 7982
AYPC.F50.1964
AYPC.F50.1702
AYPC.F50.1702
AYPC.F50.1921
3.75°
9
6
32
6
19

Scale 1:1

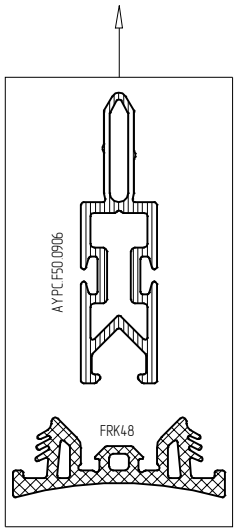

150°


50
AYPC.F50.0103
AYPC.50.0708
AYPC.50.0708
AYPC.F50.0303
3.9x16-A2
DIN 7981
3.9x16-A2
DIN 7981
5.5x22-A4
DIN 7982
AYPC.F50.1968
AYPC.F50.1921
FRK17
FRK17
AYPC.F50.1702
AYPC.F50.1702
15
15
AYPC.F50.1922
AYPC.F50.1922
9
6
32
6
20
14.5
150°

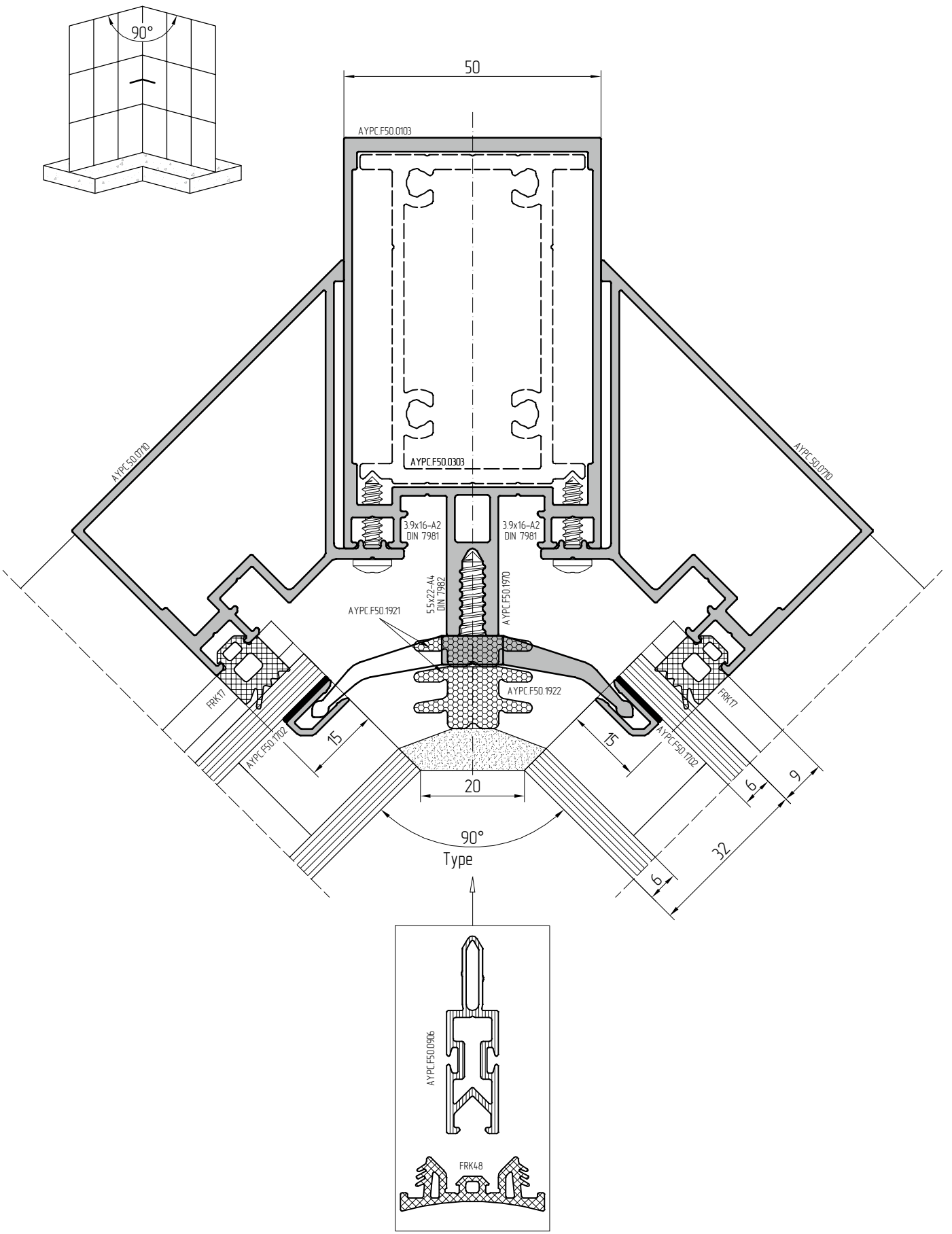
Scale 1:1

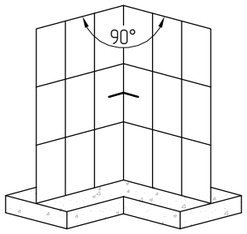


Type

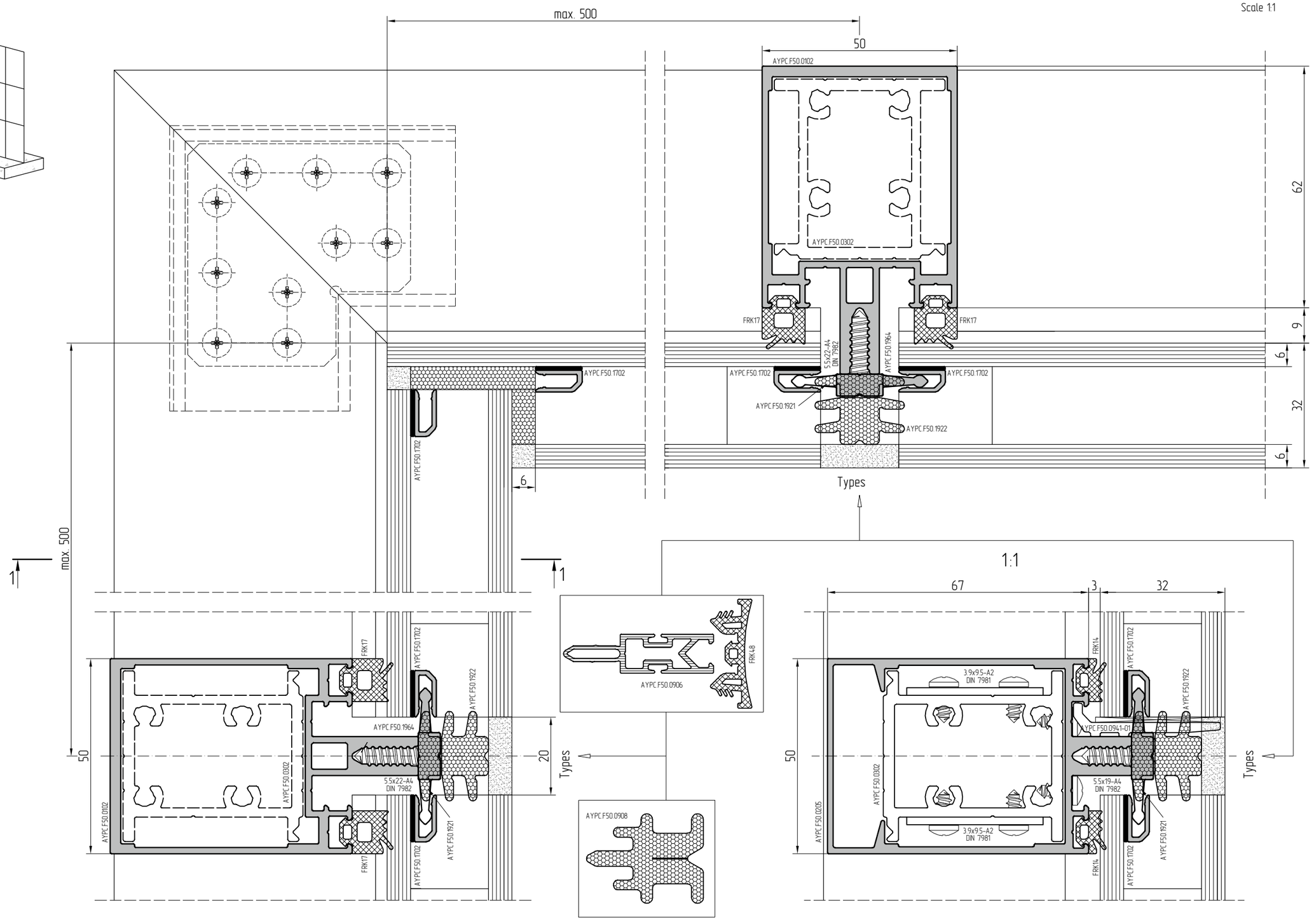


Scale 1:1

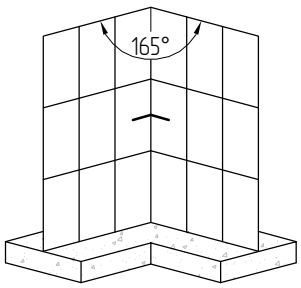

90°
50
AYPC.F50.0103
AYPC.F50.0303
AYPC.50.0710
AYPC.50.0710
3.9x16-A2
DIN 7981
3.9x16-A2
DIN 7981
5.5x22-A4
DIN 7982
AYPC.F50.1970
AYPC.F50.1921
AYPC.F50.1922
FRK17
FRK17
AYPC.F50.1702
AYPC.F50.1702
15
15
20
6
9
6
32
90°
Type
AYPC.F50.0906
FRK48

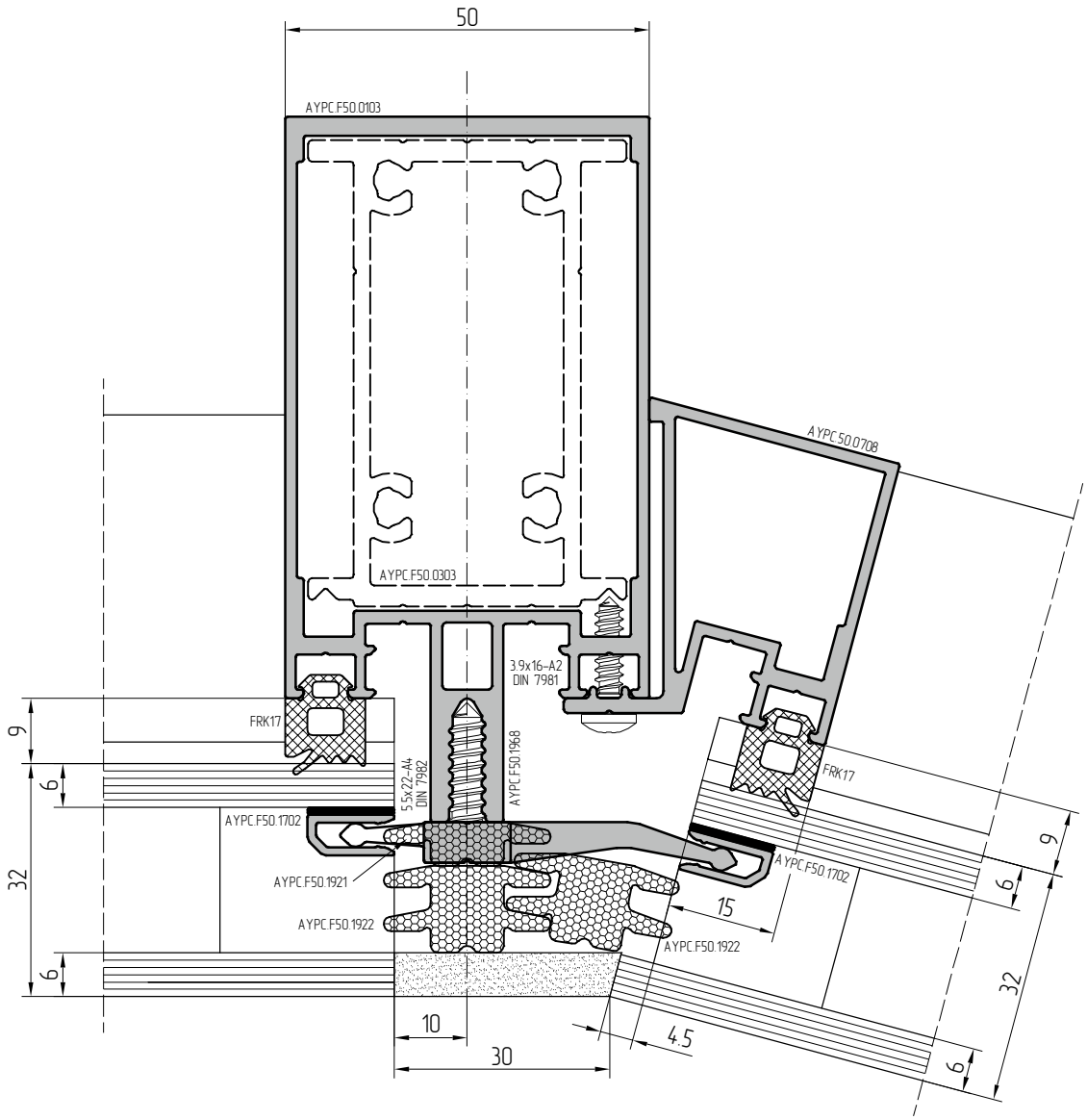

90°

Scale 1:1

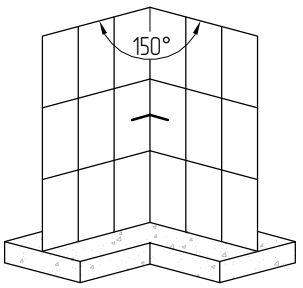

max. 500
50
AYPC.F50.0102
AYPC.F50.0302
62
FRK17
FRK17
9
6
AYPC.F50.1702
AYPC.F50.1964
AYPC.F50.1702
5.5x22-A4
DIN 7982
AYPC.F50.1921
AYPC.F50.1922
32
6
AYPC.F50.1702
6
Types
max. 500
1
1
1:1
67
3
32
FRK17
AYPC.F50.1702
AYPC.F50.1964
AYPC.F50.1922
AYPC.F50.0906
FRK48
3.9x9.5-A2
DIN 7981
AYPC.F50.0941-01
50
AYPC.F50.0102
AYPC.F50.0302
5.5x22-A4
DIN 7982
20
AYPC.F50.1921
AYPC.F50.1702
FRK17
Types
AYPC.F50.0908
50
AYPC.F50.0205
AYPC.F50.0302
5.5x19-A4
DIN 7982
3.9x9.5-A2
DIN 7981
FRK14
FRK14
AYPC.F50.1702
AYPC.F50.1921
Types

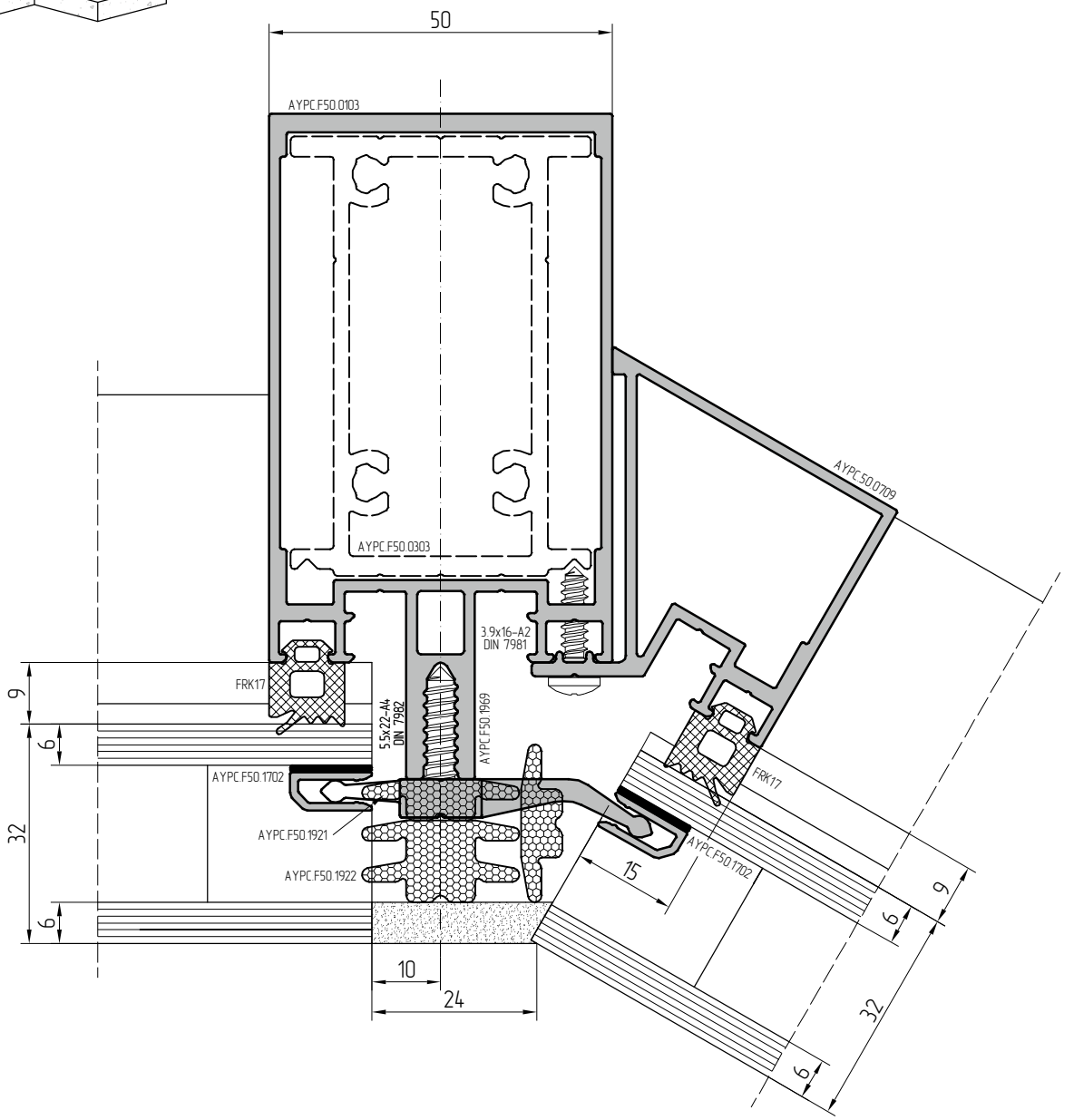
Scale 1:1


165°

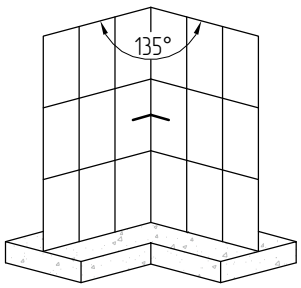

50
AYPC.F50.0103
AYPC.F50.0303
AYPC.50.0708
3.9x16-A2
DIN 7981
FRK17
5.5x22-A4
DIN 7982
AYPC.F50.1968
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1922
FRK17
AYPC.F50.1702
AYPC.F50.1922
9
6
32
6
15
9
6
32
6
10
30
4.5

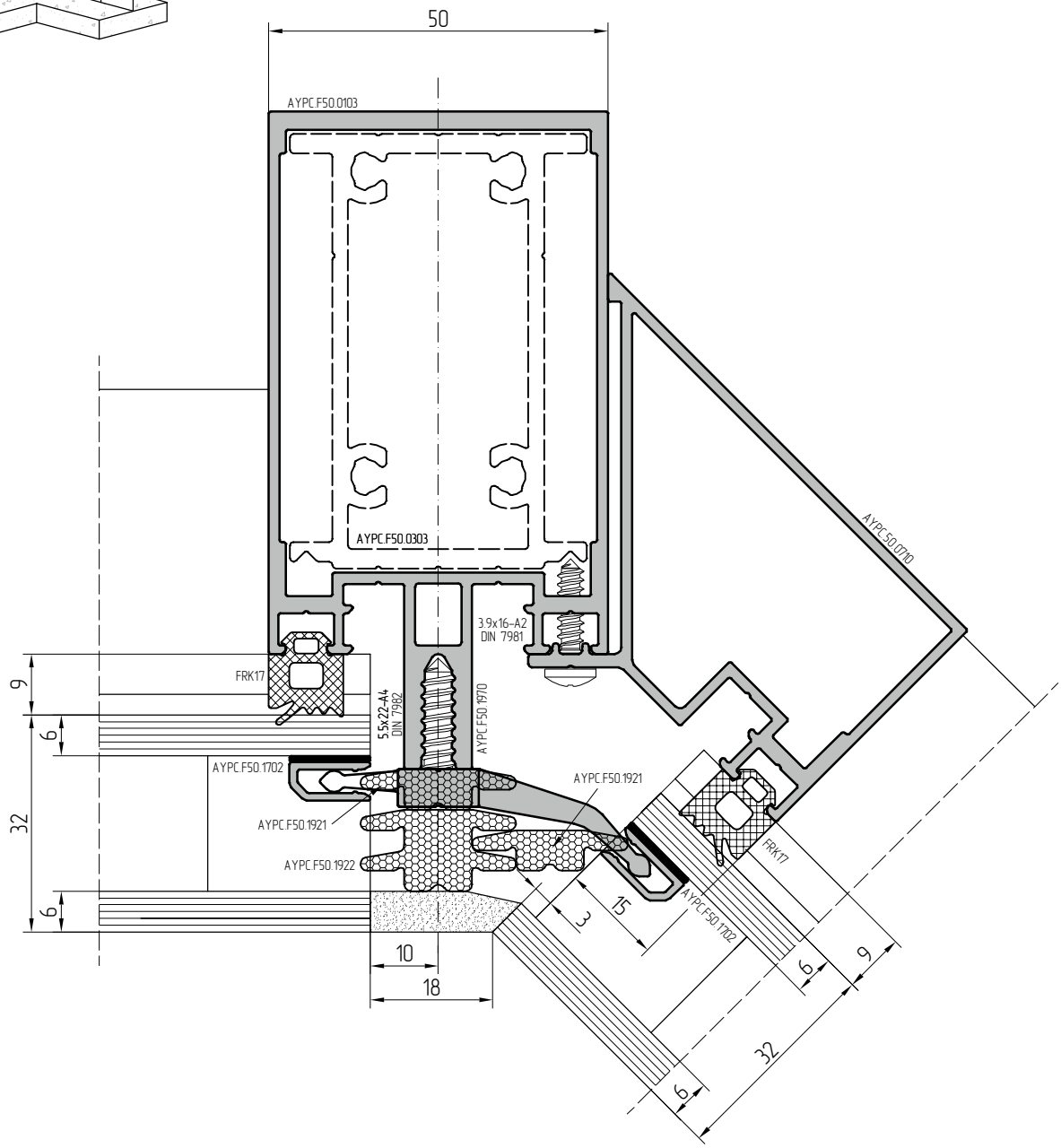
Scale 1:1


150°


50
AYPC.F50.0103
AYPC.F50.0303
AYPC.50.0709
3.9x16-A2
DIN 7981
FRK17
5.5x22-A4
DIN 7982
AYPC.F50.1969
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1922
FRK17
AYPC.F50.1702
9
6
32
6
15
9
6
32
6
10
24

Scale 1:1


135°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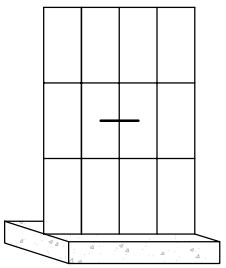
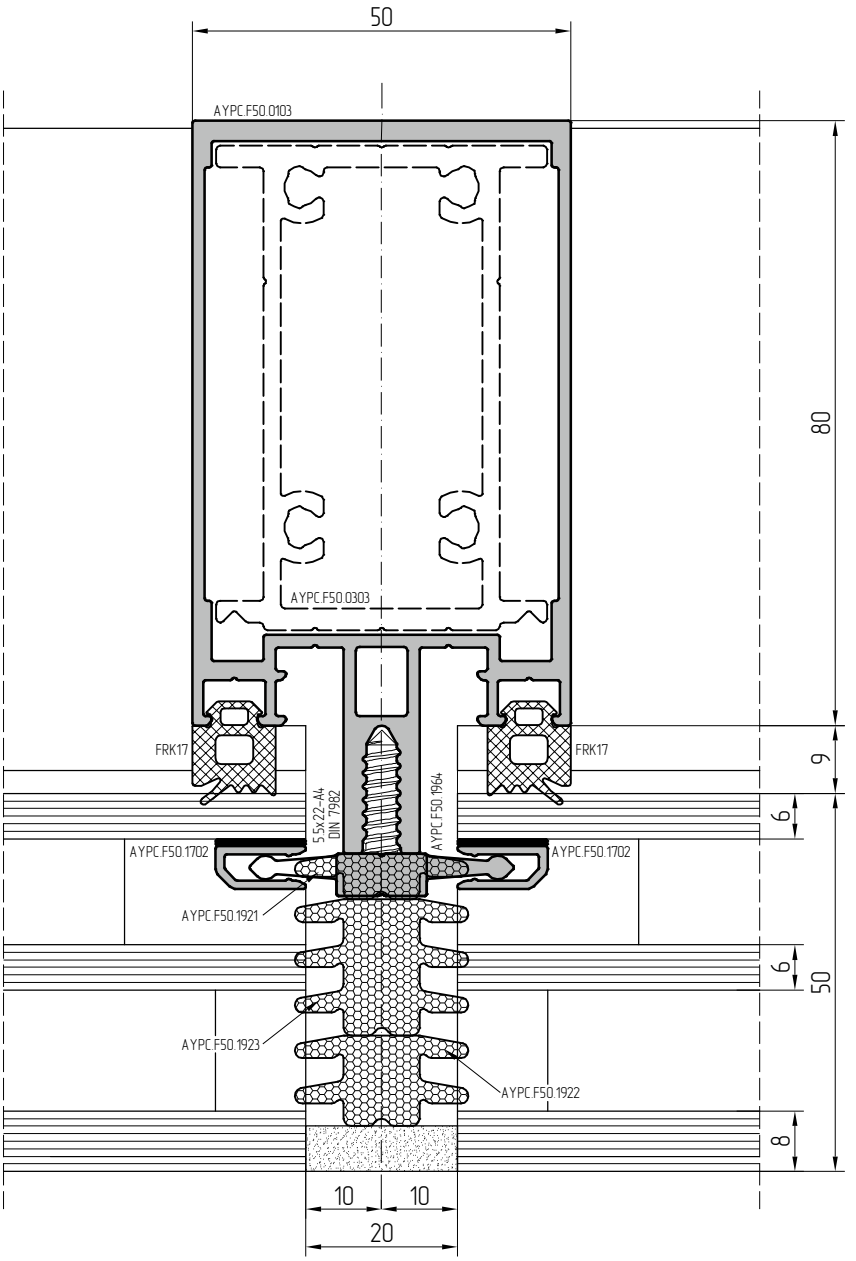
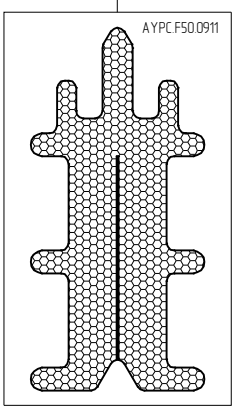
AYPC.F50.0103
AYPC.F50.0303
AYPC.F50.0710
3.9x16-A2
DIN 7981
FRK17
5.5x22-A4
DIN 7982
AYPC.F50.1970
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1922
AYPC.F50.1921
FRK17
AYPC.F50.1702
9
6
32
6
10
18
3
15
6
9
6
32

Scale 1:1

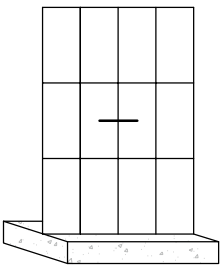


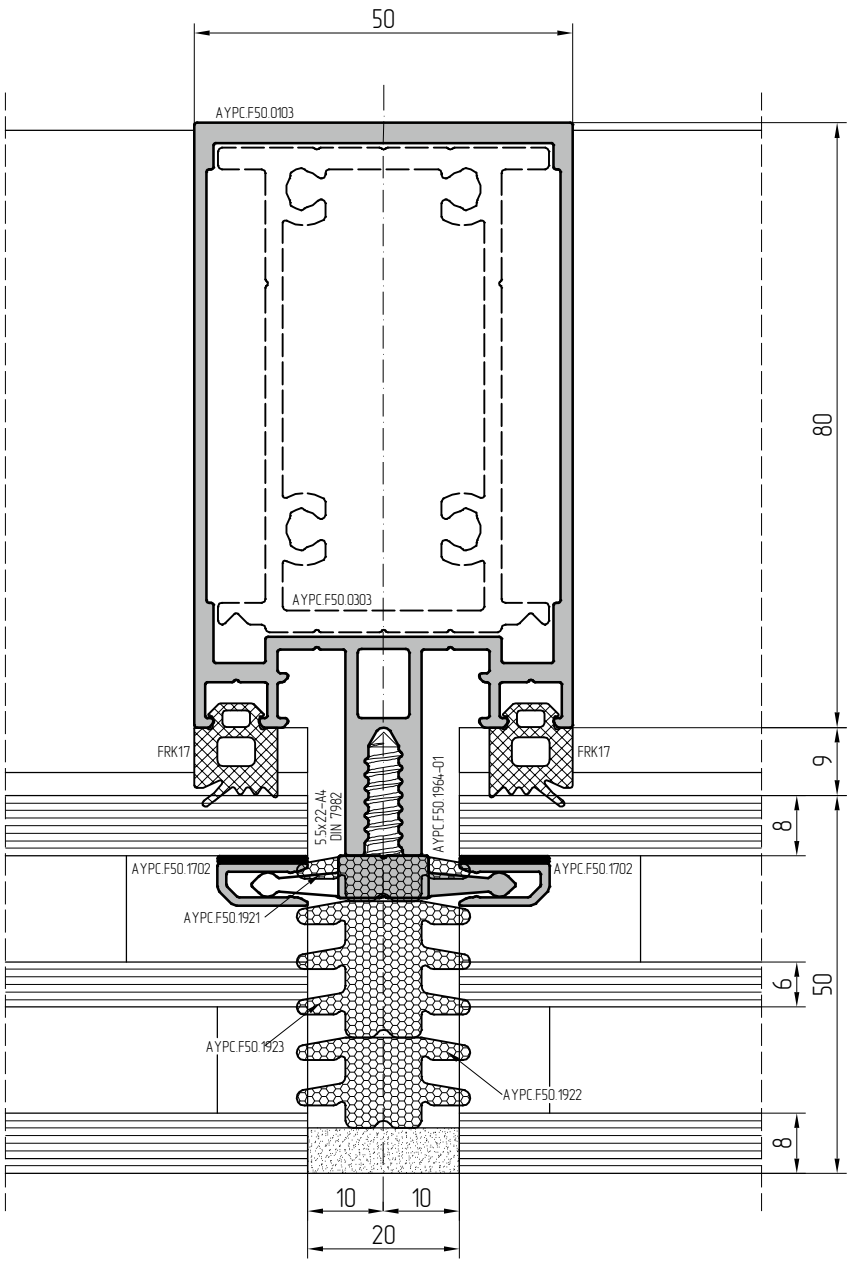


Types

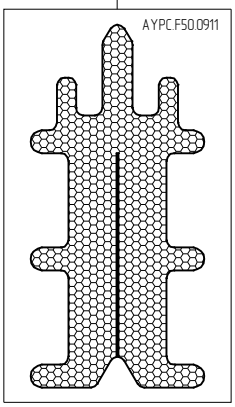


Scale 1:1

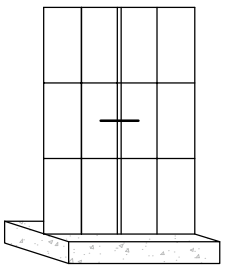


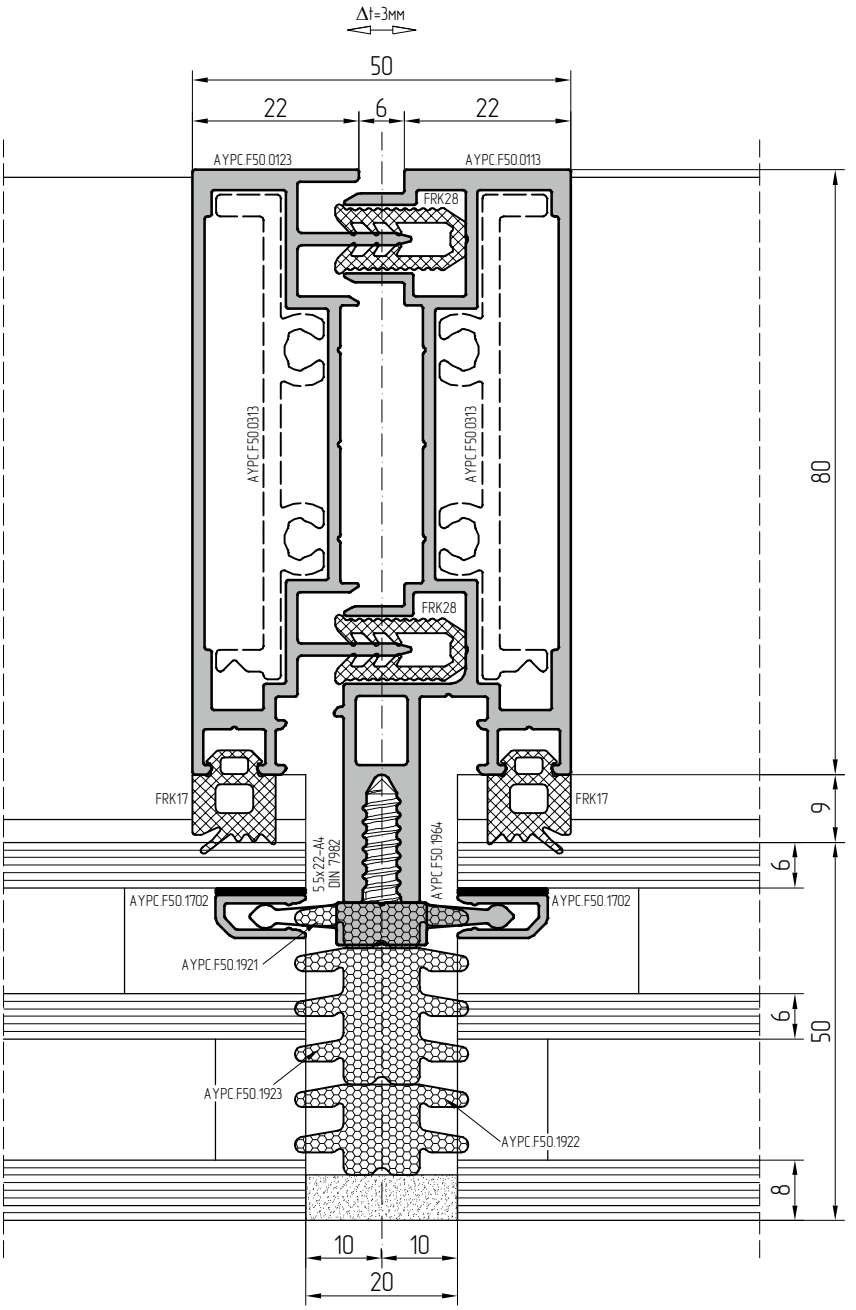


Types

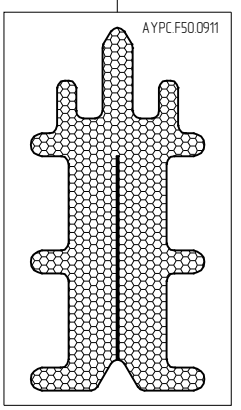


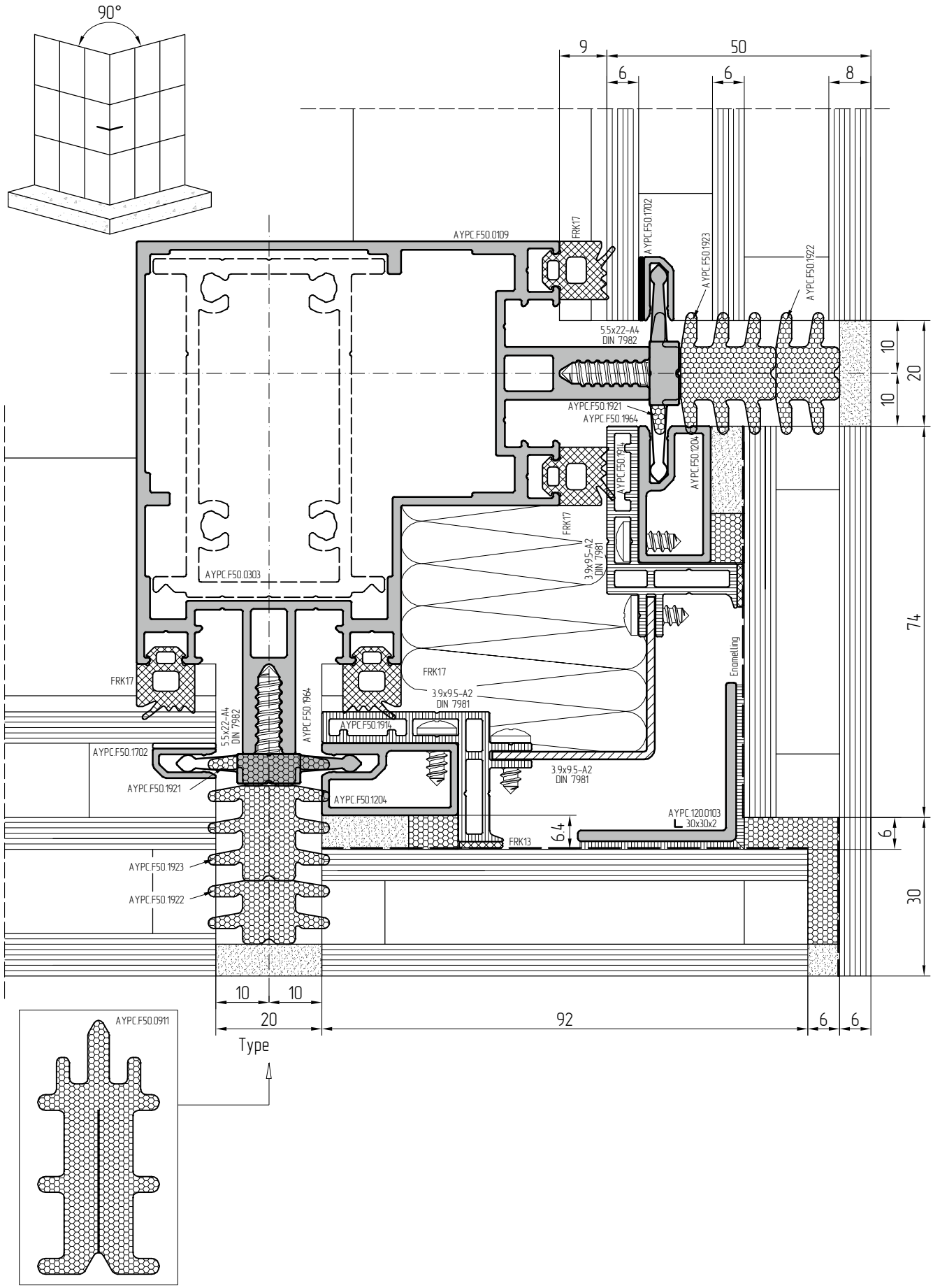
Scale 1:1



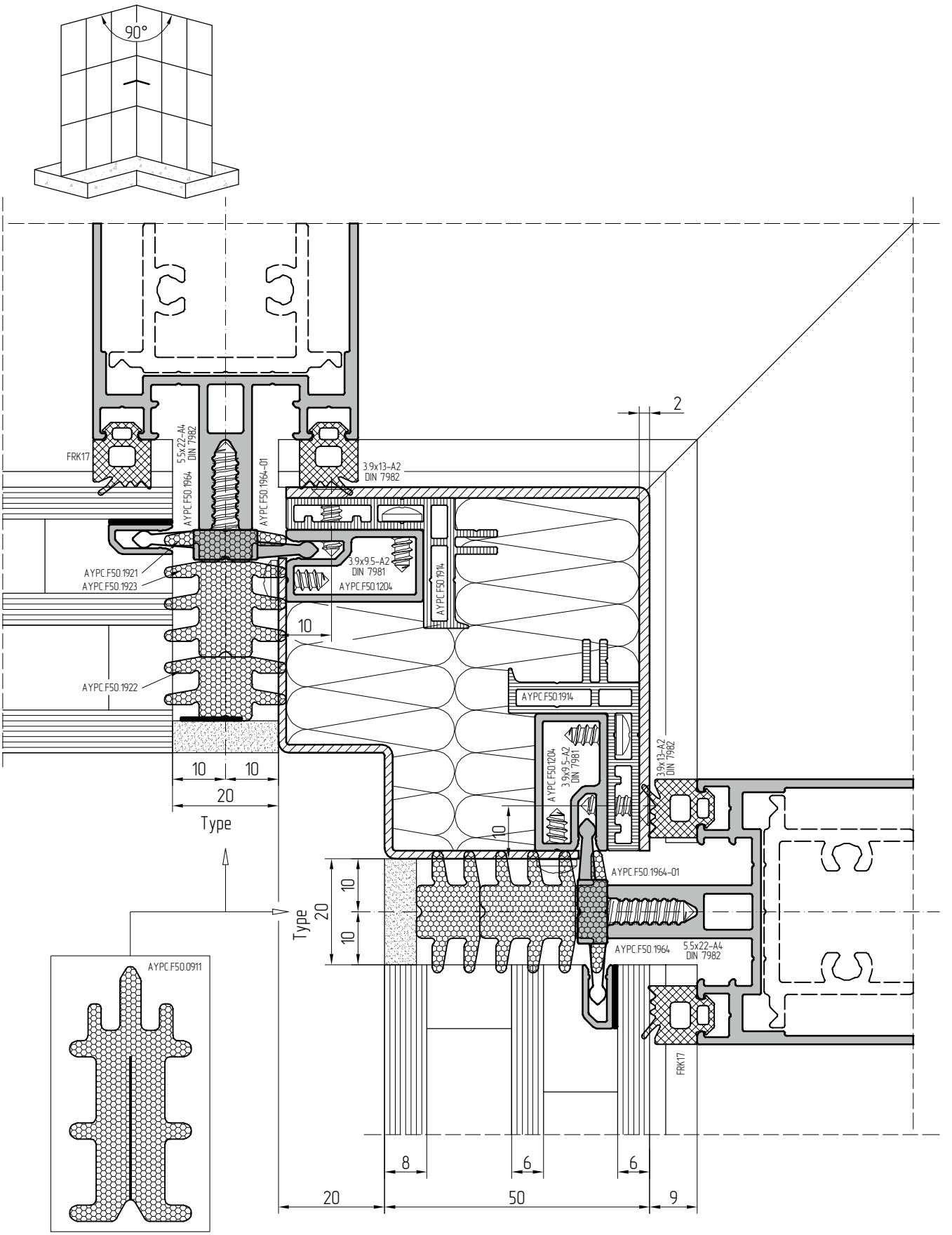


Type

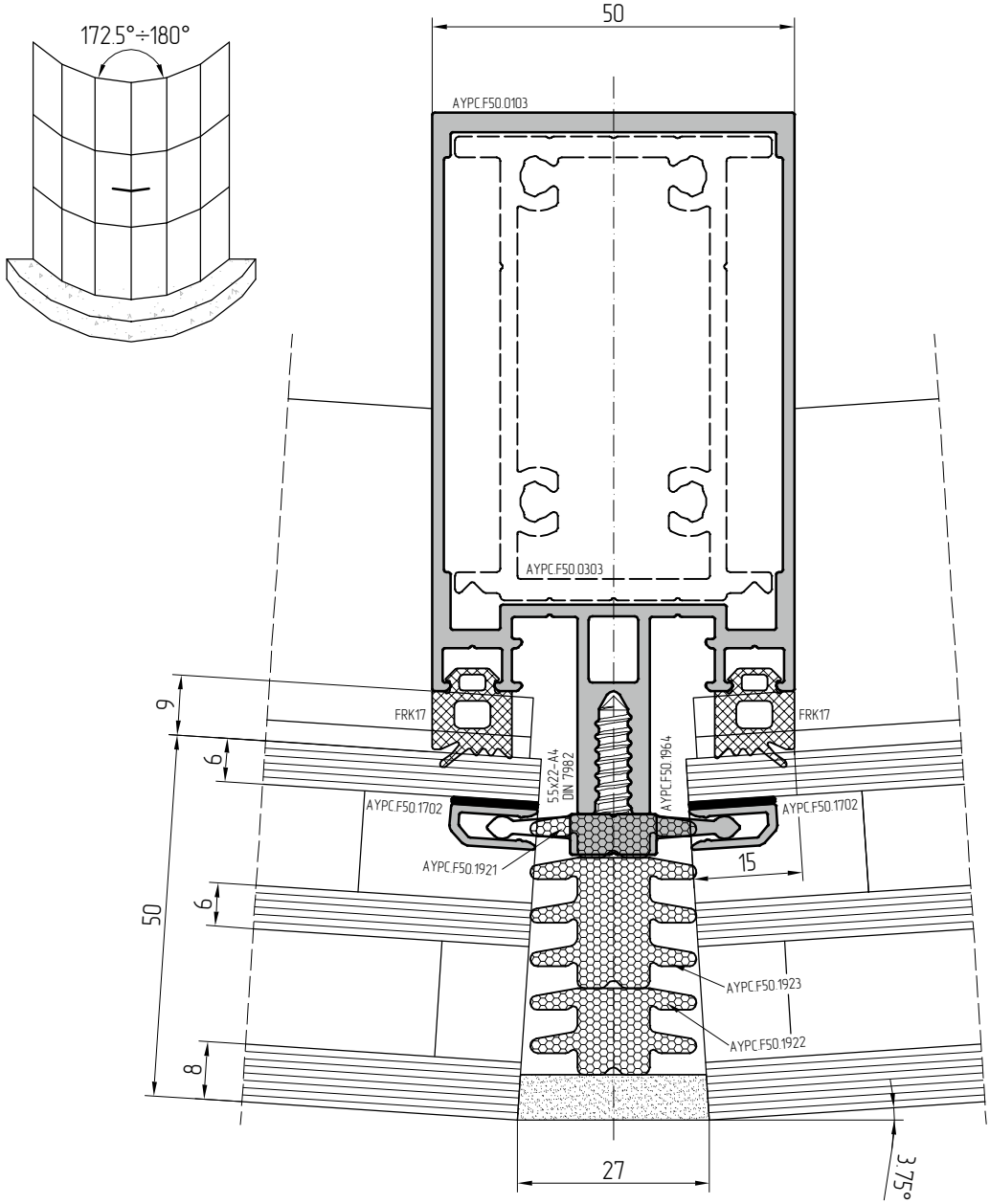



Scale 1:1
90°
9
50
6
6
8
AYPC.F50.0109
FRK17
AYPC.F50.1702
AYPC.F50.1923
AYPC.F50.1922
5.5x22-A4
DIN 7982
10
20
10
AYPC.F50.1921
AYPC.F50.1964
AYPC.F50.1914
AYPC.F50.1204
FRK17
3.9x9.5-A2
DIN 7981
AYPC.F50.0303
74
FRK17
3.9x9.5-A2
DIN 7981
Enamelling
5.5x22-A4
DIN 7982
AYPC.F50.1964
AYPC.F50.1914
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1204
3.9x9.5-A2
DIN 7981
AYPC.120.0103
30x30x2
FRK13
6.4
6
AYPC.F50.1923
AYPC.F50.1922
30
10
10
20
92
6
6
AYPC.F50.0911
Type

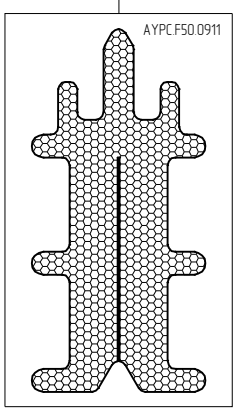
Scale 1:1


90°
FRK17
5.5x22-A4 DIN 7982
AYPC.F50.1964
AYPC.F50.1964-01
3.9x13-A2 DIN 7982
AYPC.F50.1921
AYPC.F50.1923
3.9x9.5-A2 DIN 7981
AYPC.F50.1204
AYPC.F50.1914
AYPC.F50.1922
2
10
10
10
20
Type
AYPC.F50.0911
Type
20
10
10
AYPC.F50.1964-01
AYPC.F50.1964
5.5x22-A4 DIN 7982
FRK17
8
6
6
20
50
9

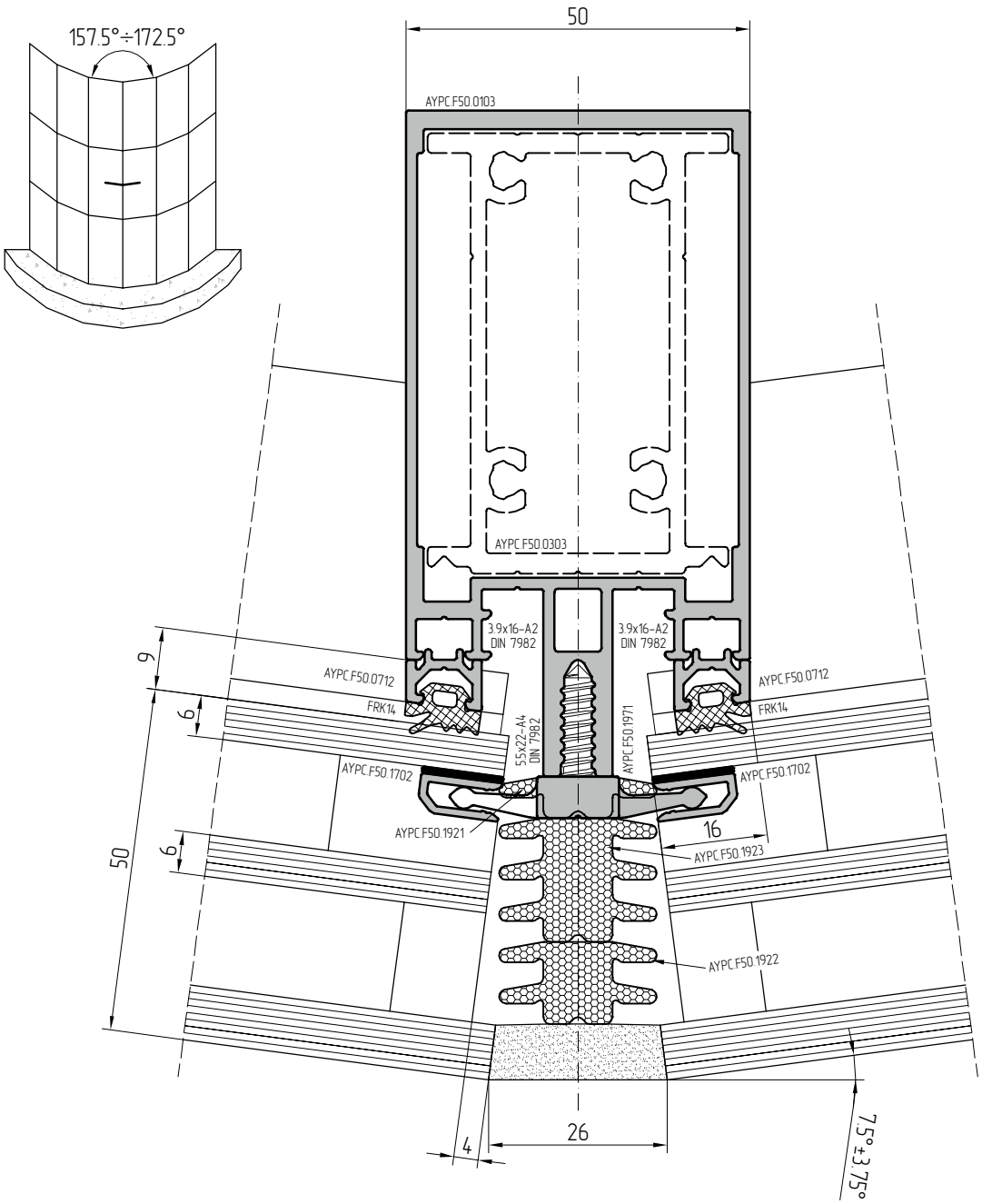
Scale 1:1



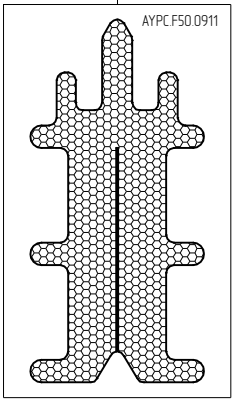
Type



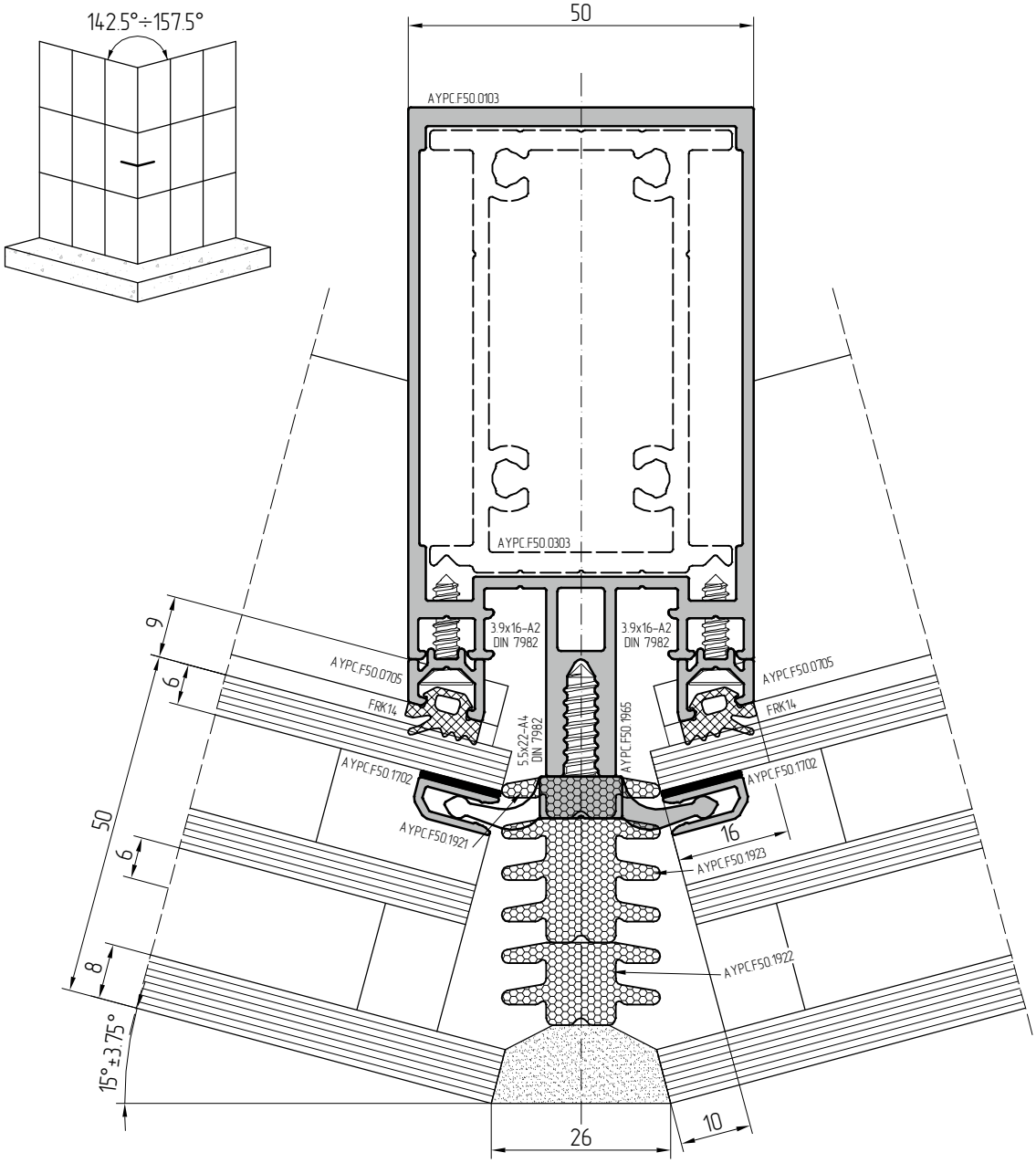
Scale 1:1



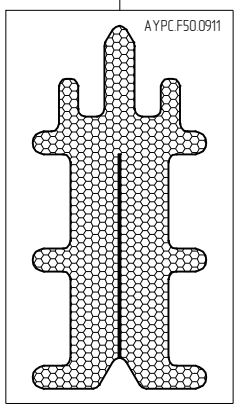
Type



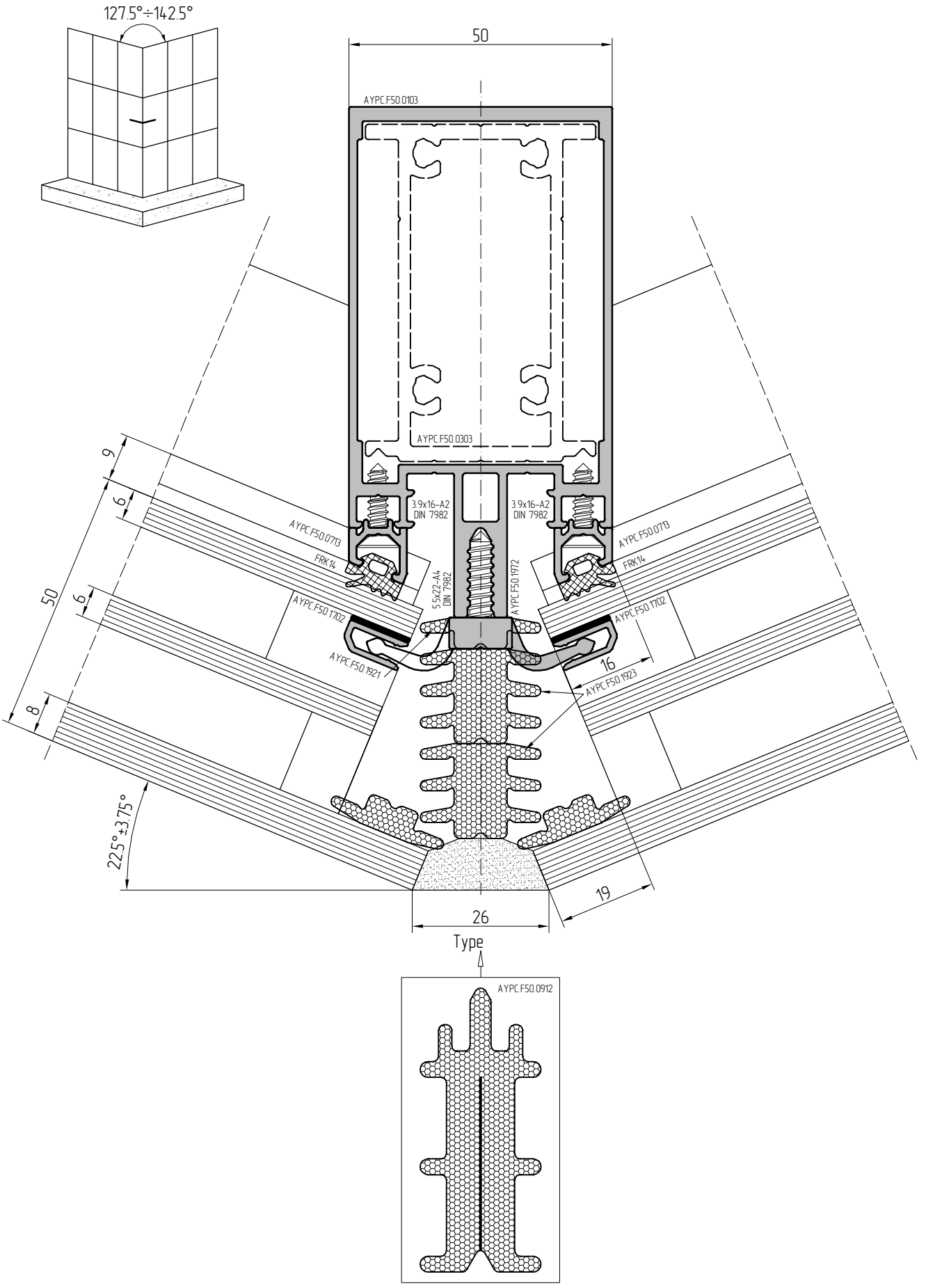
Scale 1:1



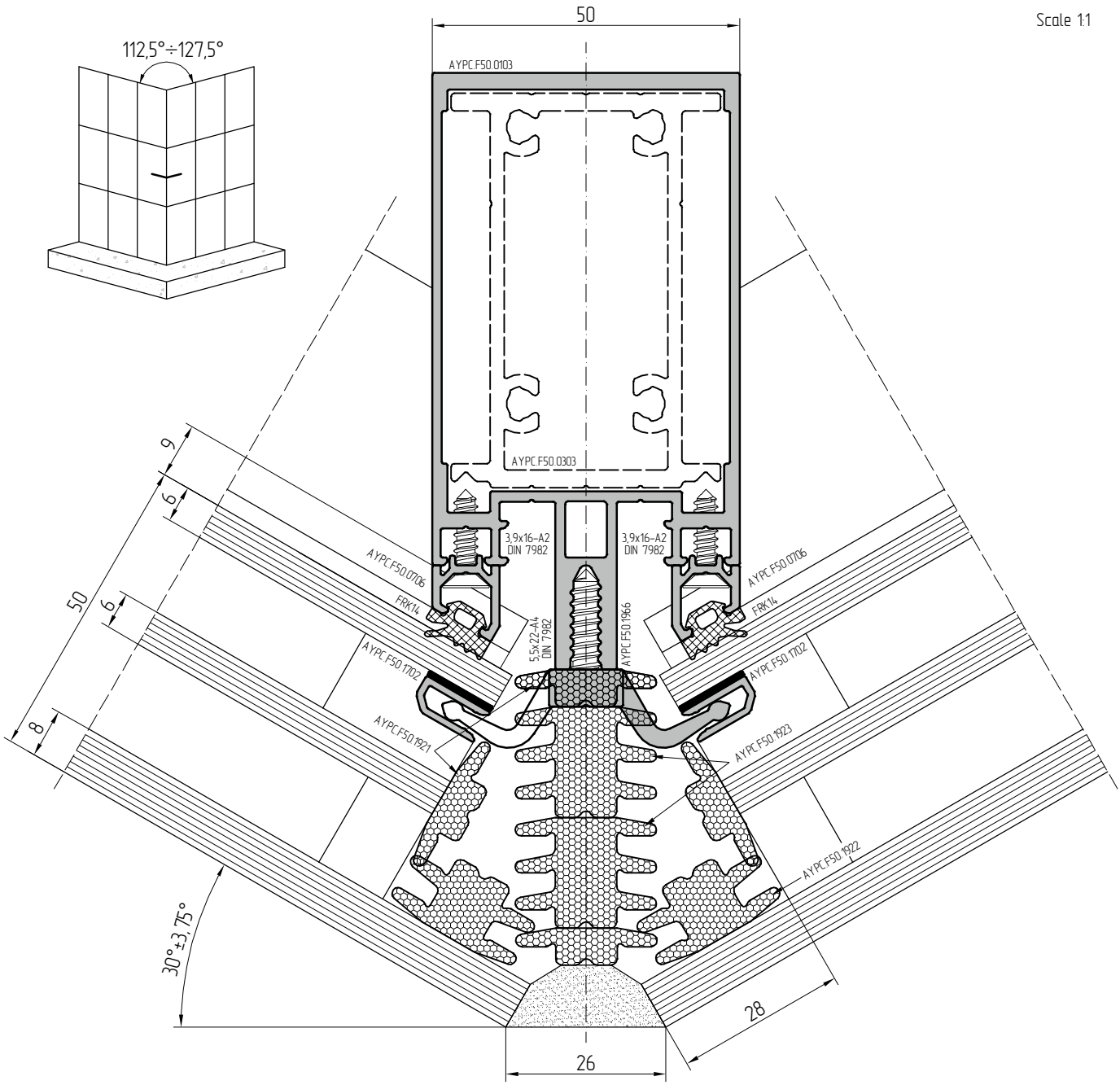
Type



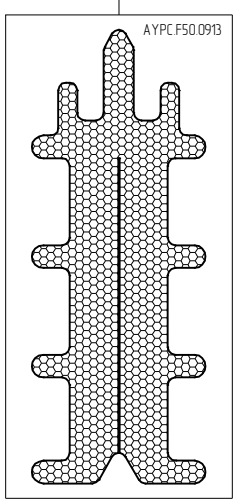
Scale 1:1


127.5°÷142.5°
50
AYPC.F50.0103
AYPC.F50.0303
3.9x16-A2 DIN 7982
3.9x16-A2 DIN 7982
5.5x22-A4 DIN 7982
AYPC.F50.1972
AYPC.F50.0713
FRK14
AYPC.F50.0713
FRK14
AYPC.F50.1702
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1923
9
6
6
50
8
225°±3.75°
16
19
26
Type
AYPC.F50.0912

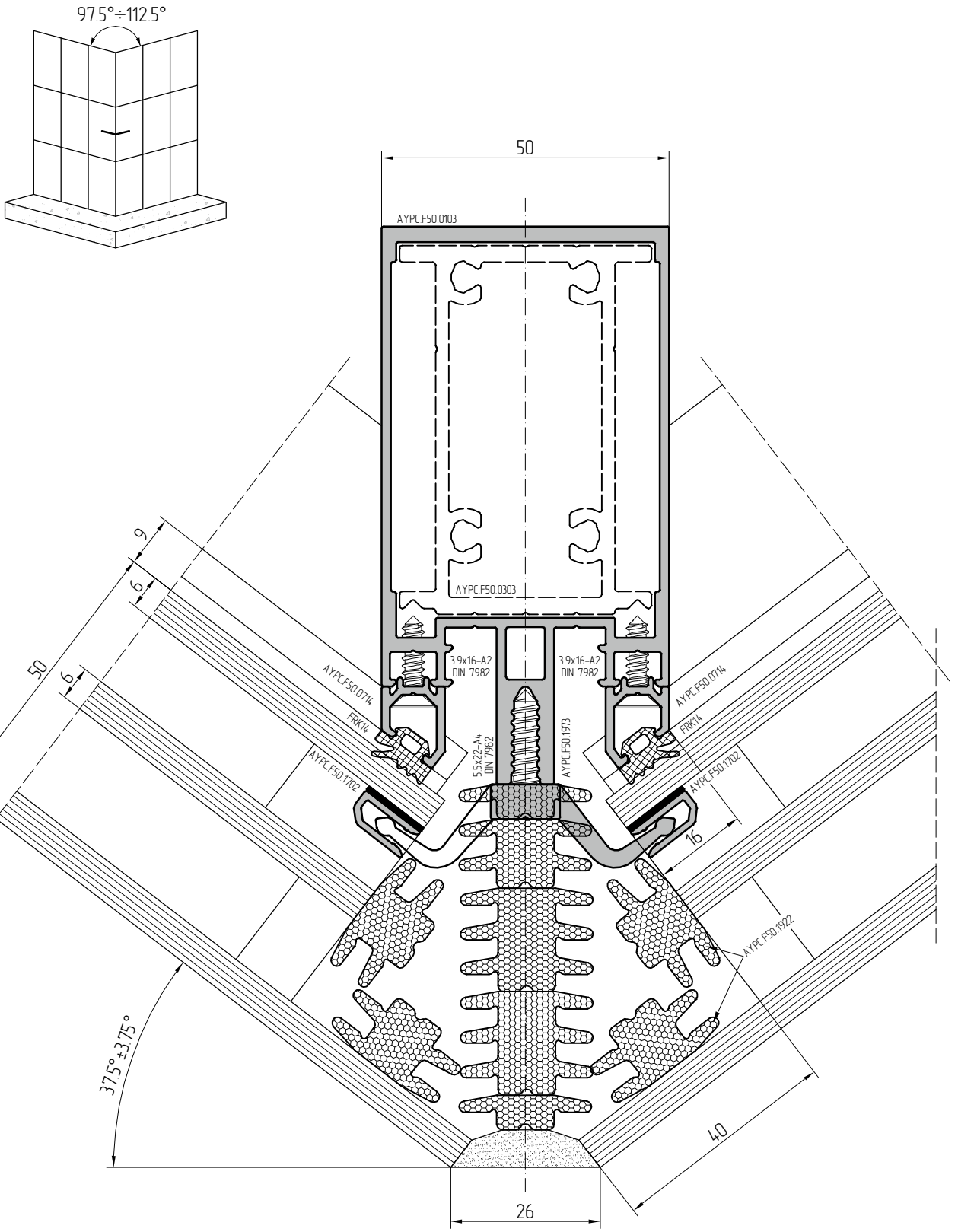
Scale 1:1



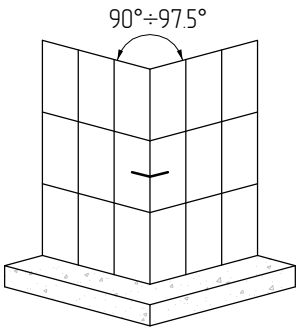
Type

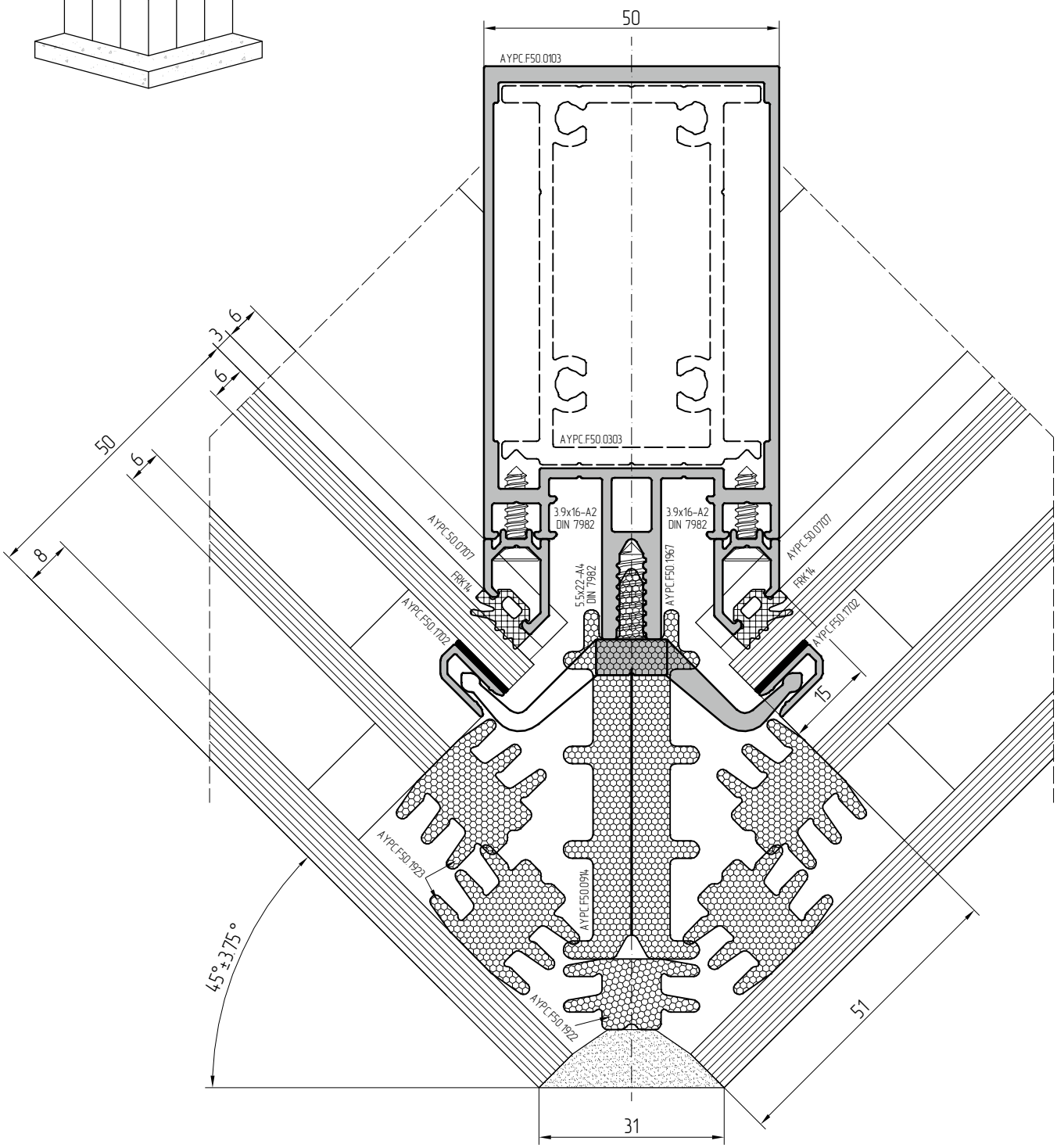


Scale 1:1

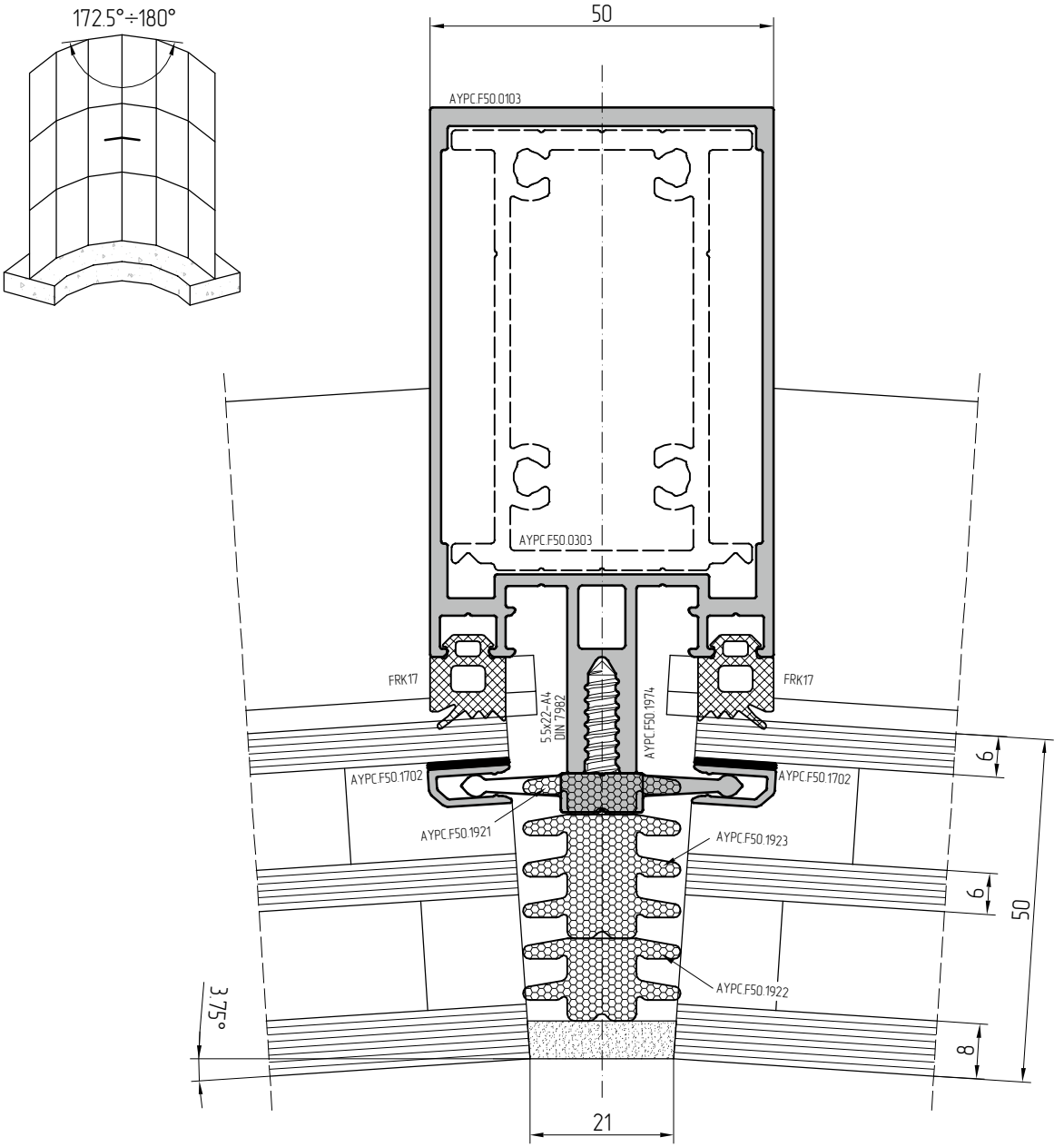

97.5°÷112.5°
50
AYPC F50 0103
AYPC F50 0303
3.9x16-A2 DIN 7982
3.9x16-A2 DIN 7982
5.5x22-A4 DIN 7982
AYPC F50 1973
AYPC F50 0714
FRK14
AYPC F50 0714
FRK14
AYPC F50 1702
AYPC F50 1702
AYPC F50 1922
9
6
50
6
16
37.5°±3.75°
40
26

Scale 1:1

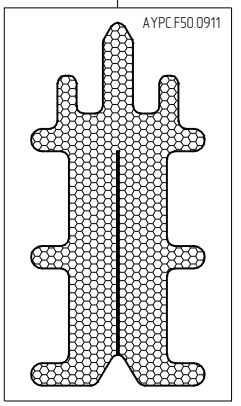

90°÷97.5°


50
AYPC.F50.0103
AYPC.F50.0303
3.9x16-A2 DIN 7982
3.9x16-A2 DIN 7982
5.5x22-A4 DIN 7982
AYPC.F50.1967
AYPC.50.0707
AYPC.50.0707
FRK14
FRK14
AYPC.F50.1702
AYPC.F50.1702
AYPC.F50.1923
AYPC.F50.0914
AYPC.F50.1922
3
6
6
50
6
8
15
45°±3.75°
51
31

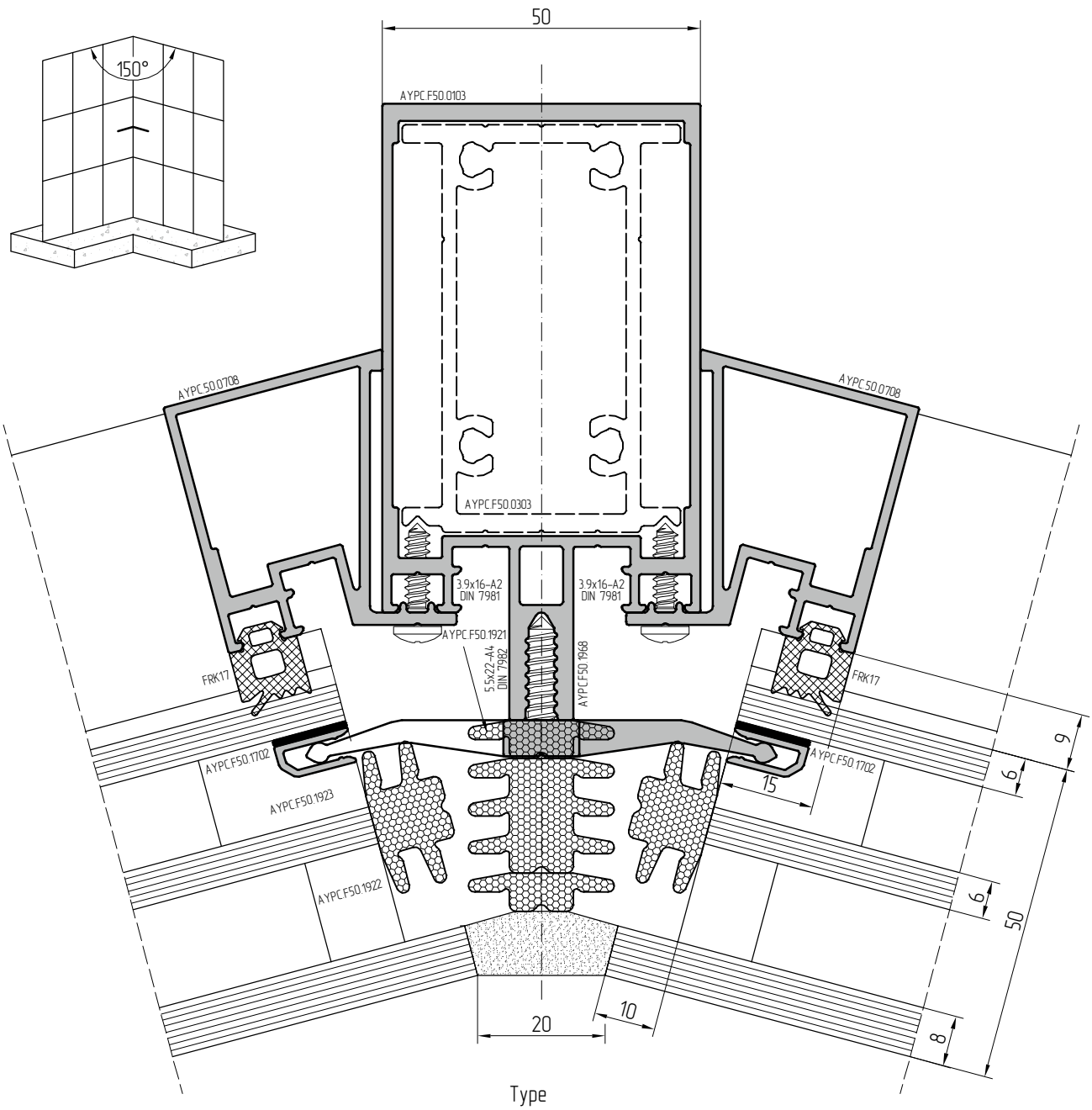
Scale 1:1



Type



Scale 1:1



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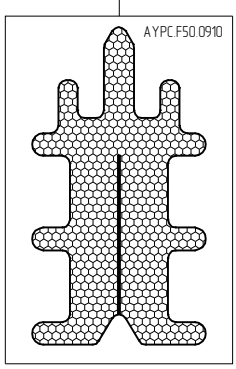
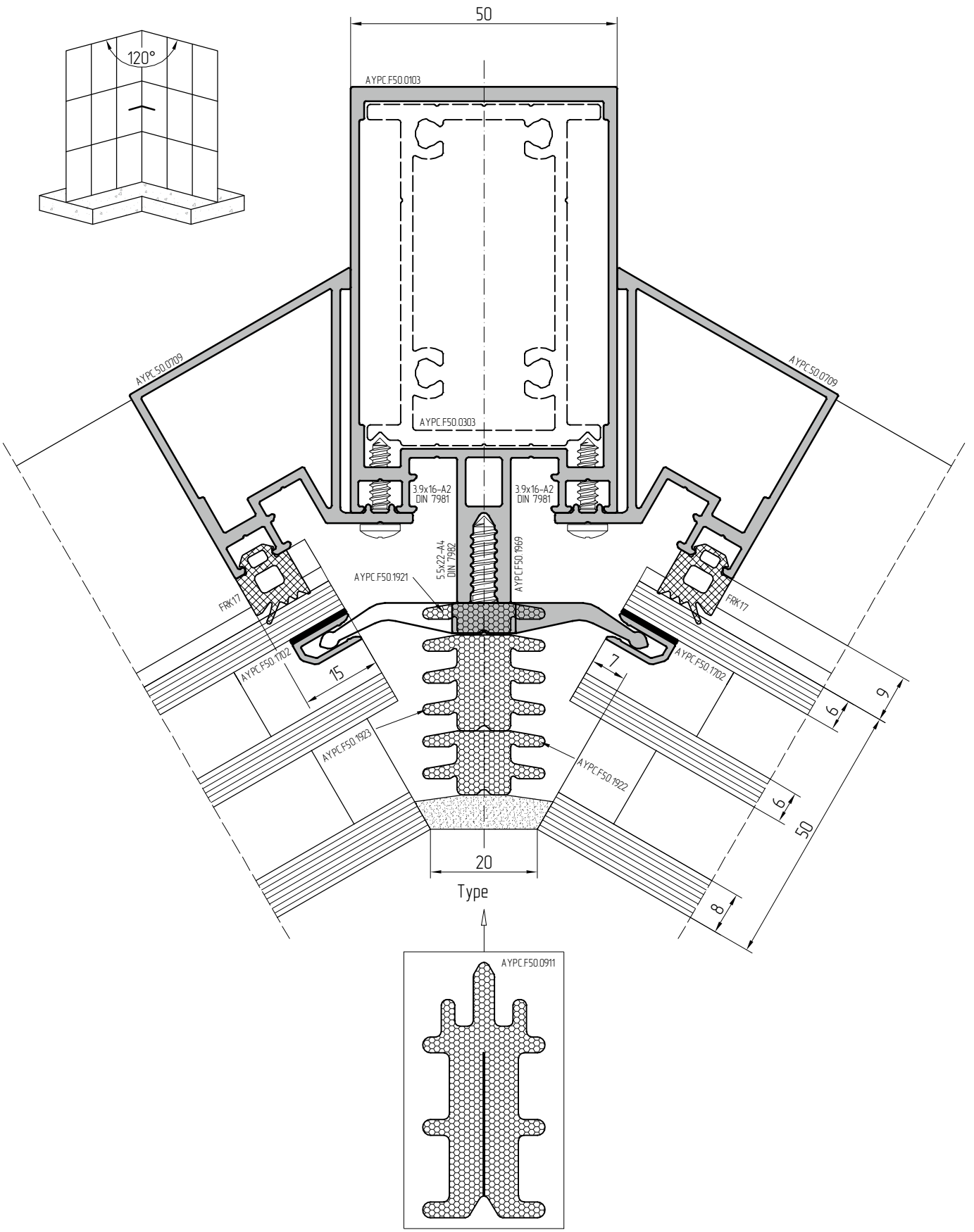
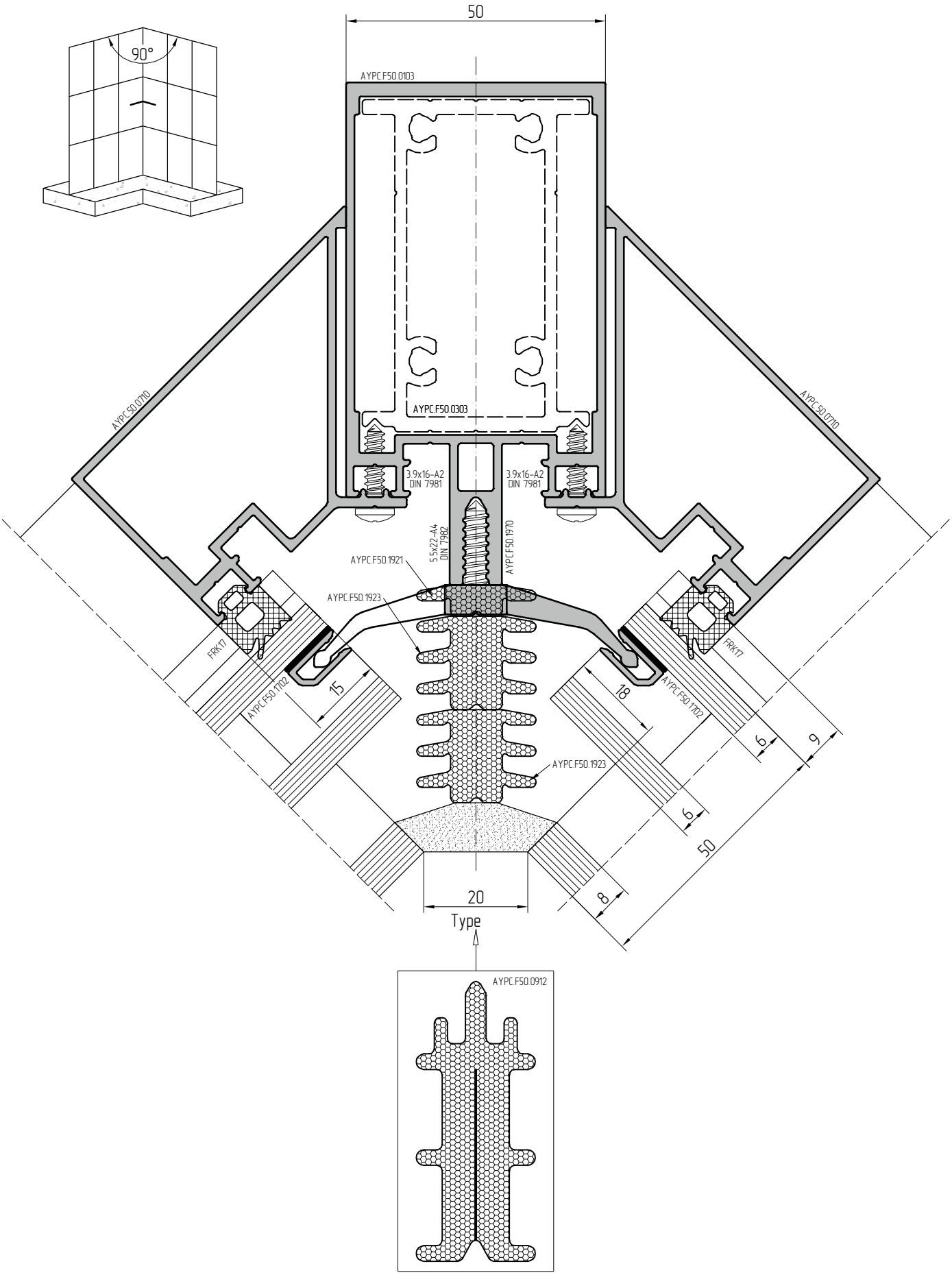


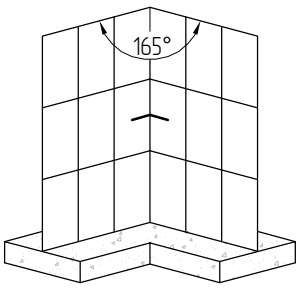
Scale 1:1

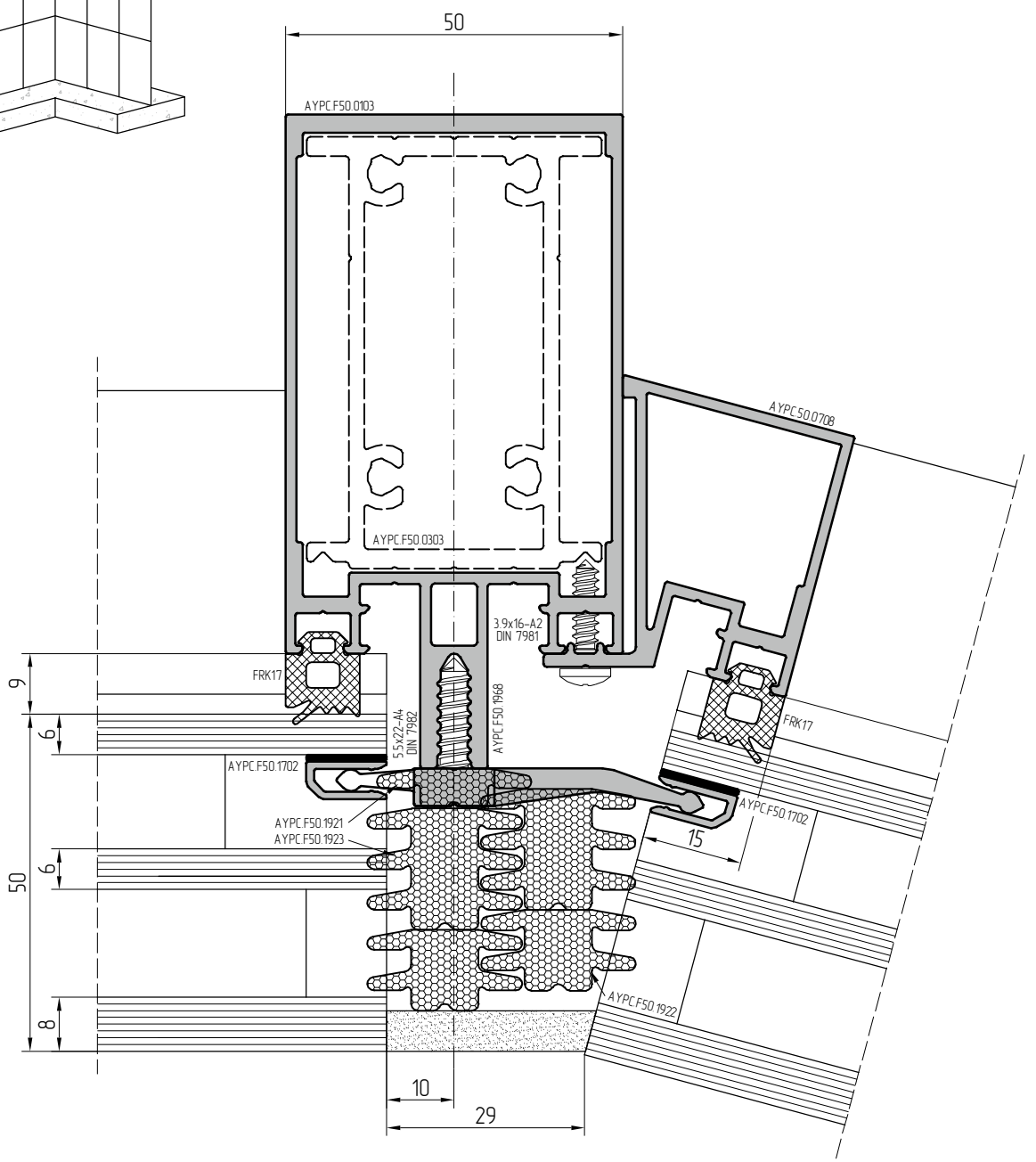

50
120°
AYPC.F50.0103
AYPC.F50.0303
AYPC.50.0709
AYPC.50.0709
3.9x16-A2 DIN 7981
3.9x16-A2 DIN 7981
5.5x22-A4 DIN 7982
AYPC.F50.1969
AYPC.F50.1921
FRK17
FRK17
AYPC.F50.1702
AYPC.F50.1702
15
7
9
6
6
50
AYPC.F50.1923
AYPC.F50.1922
20
8
Type
AYPC.F50.0911

Scale 1:1


90°
50
AYPC.F50.0103
AYPC.F50.0303
AYPC.50.0710
AYPC.50.0710
3.9x16–A2 DIN 7981
3.9x16–A2 DIN 7981
5.5x22–A4 DIN 7982
AYPC.F50.1970
AYPC.F50.1921
AYPC.F50.1923
FRK17
FRK17
AYPC.F50.1702
AYPC.F50.1702
15
18
6
9
AYPC.F50.1923
6
50
8
20
Type
AYPC.F50.0912

Scale 1:1


165°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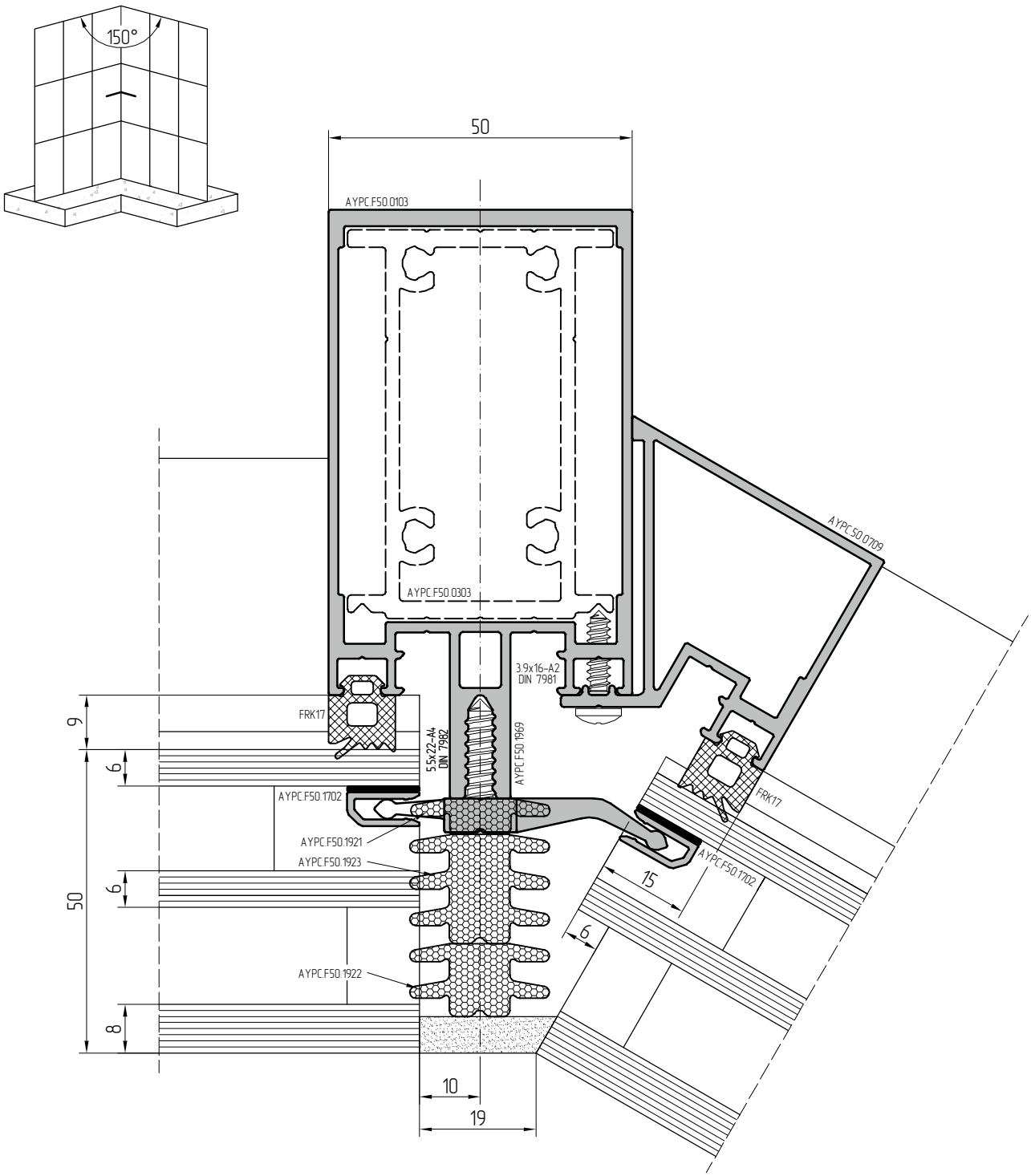
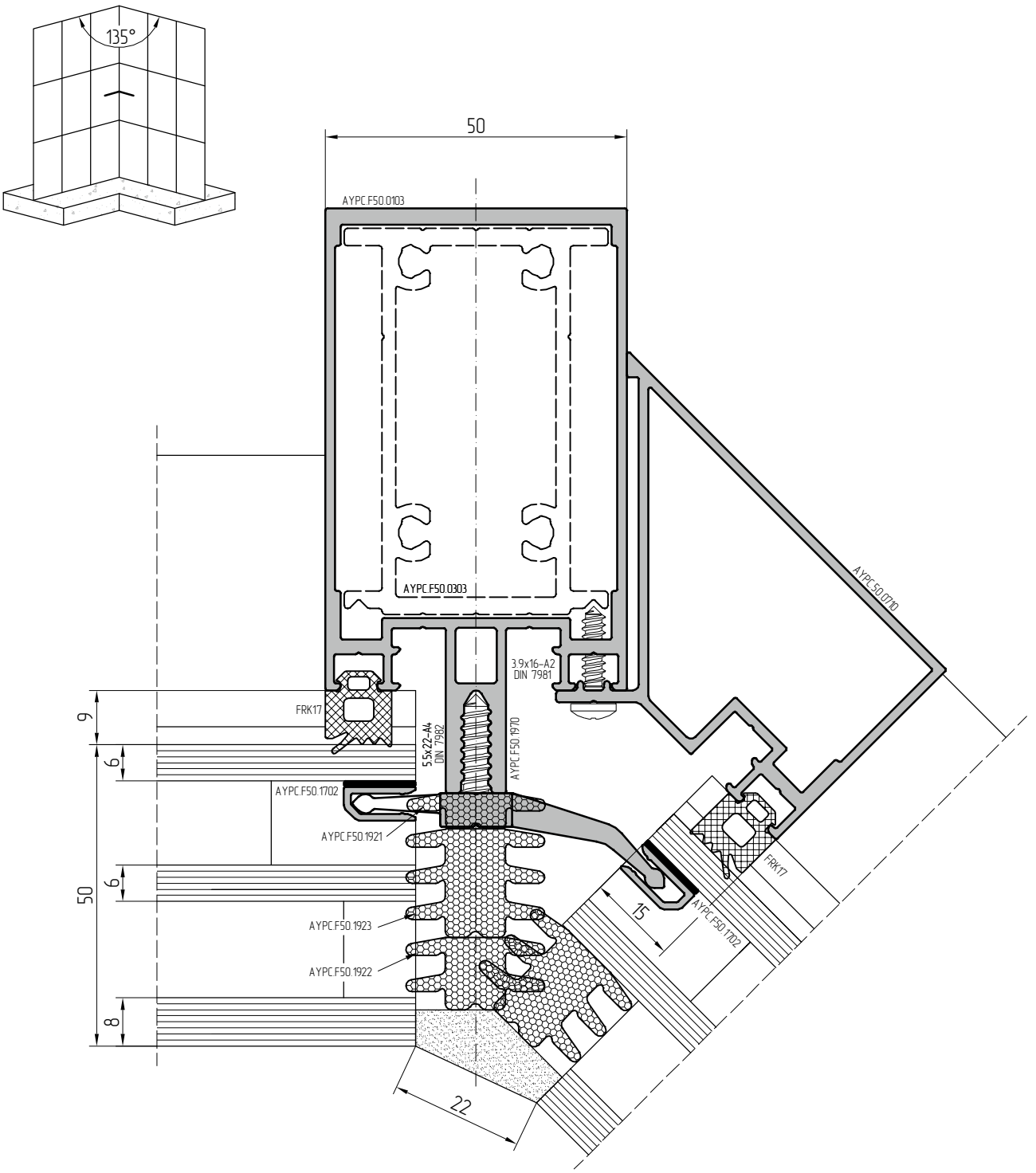
AYPC.F50.0103
AYPC.F50.0303
AYPC.50.0708
3.9x16-A2
DIN 7981
FRK17
5.5x22-A4
DIN 7982
AYPC.F50.1968
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1923
FRK17
AYPC.F50.1702
15
AYPC.F50.1922
9
6
6
8
50
10
29

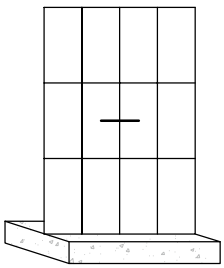
Scale 1:1

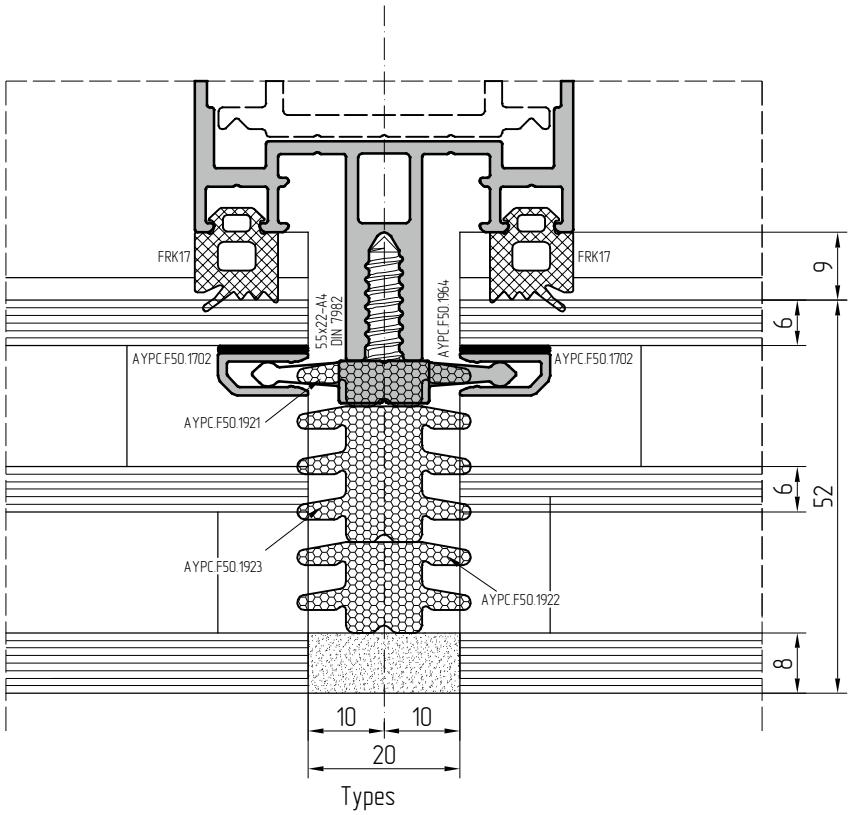

150°
50
AYPC.F50.0103
AYPC.F50.0303
AYPC.50.0709
3.9x16-A2
DIN 7981
FRK17
5.5x22-A4
DIN 7982
AYPC.F50.1969
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1923
AYPC.F50.1922
FRK17
AYPC.F50.1702
15
6
9
6
6
50
8
10
19

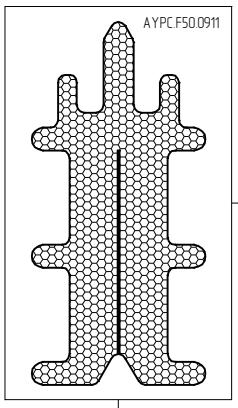
Scale 1:1

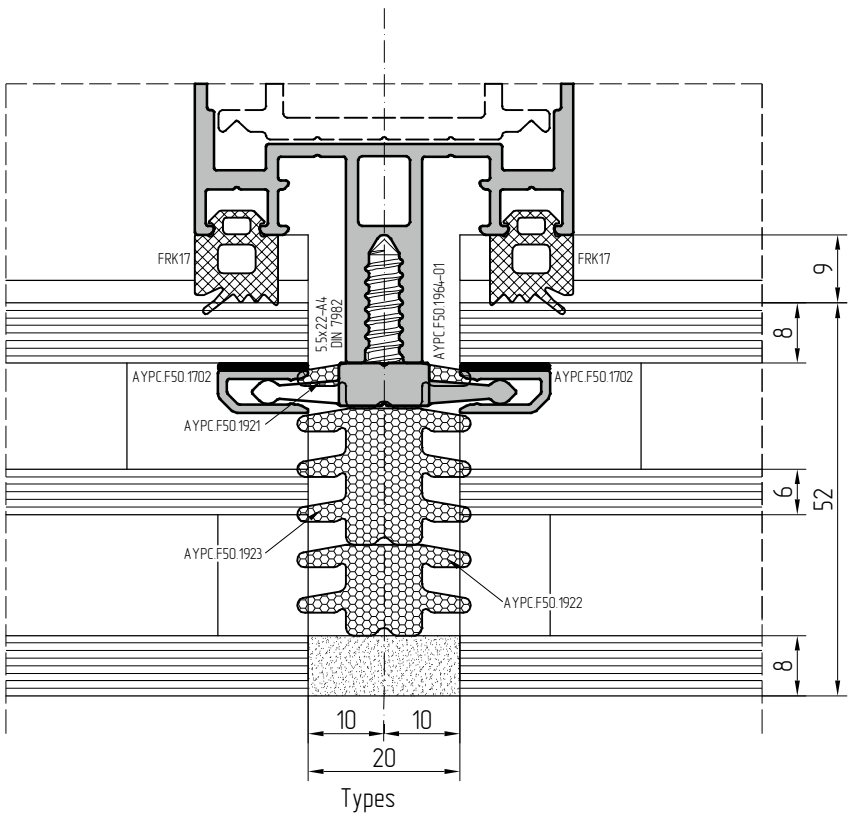

135°
50
AYPC.F50.0103
AYPC.F50.0303
AYPC.50.0710
3.9x16-A2
DIN 7981
FRK17
5.5x22-A4
DIN 7982
AYPC.F50.1970
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1923
AYPC.F50.1922
9
6
6
8
50
15
22

Scale 1:1

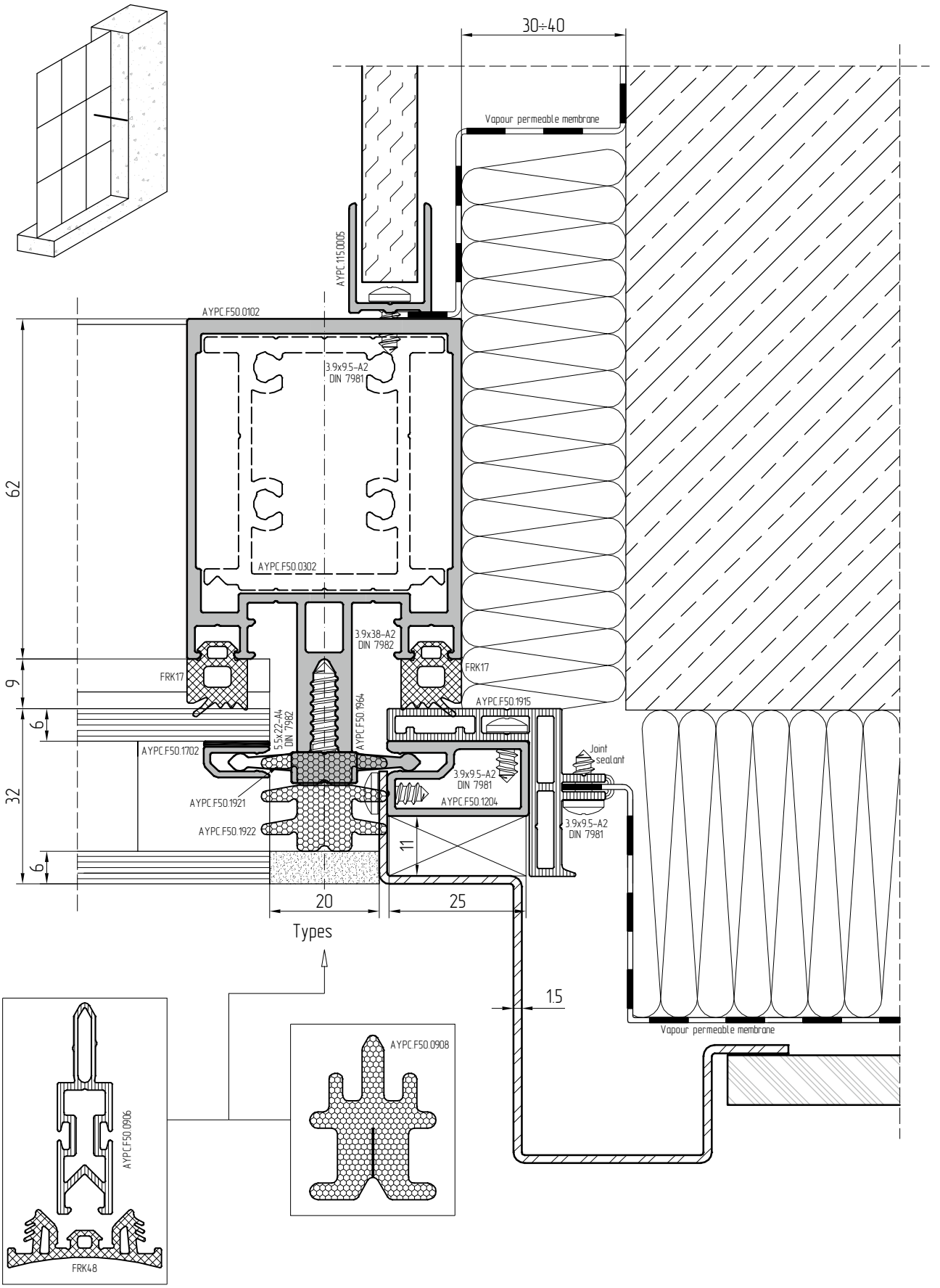



FRK17
FRK17
5.5X22-A4
DIN 7982
AYPC.F50.1964
AYPC.F50.1702
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1923
AYPC.F50.1922
9
6
52
6
8
10
10
20
Types

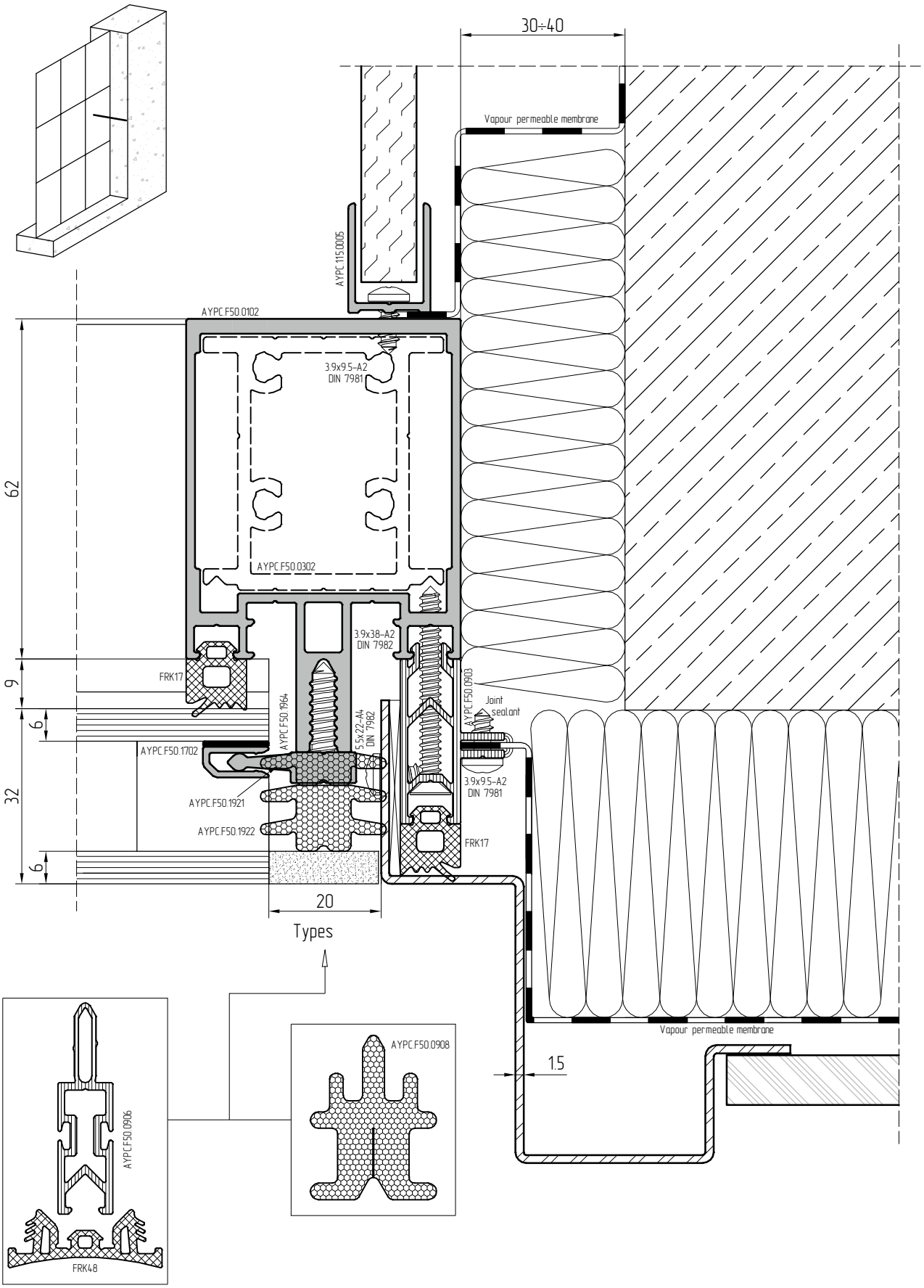

AYPC.F50.0911


FRK17
FRK17
5.5X22-A4
DIN 7982
AYPC.F50.1964-01
AYPC.F50.1702
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1923
AYPC.F50.1922
9
8
52
6
8
10
10
20
Types

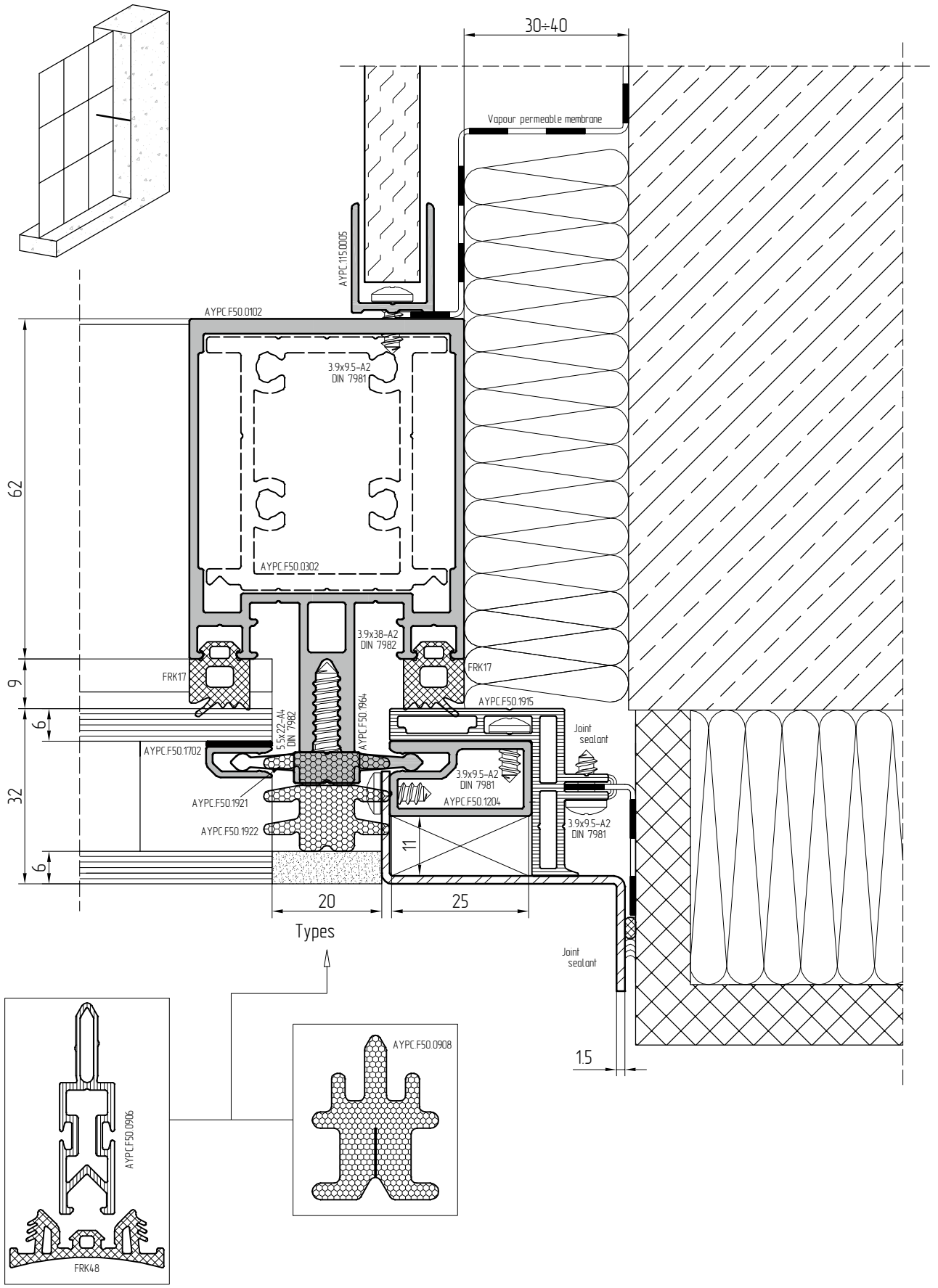
Scale 1:1


30÷40
Vapour permeable membrane
AYPC.115.0005
AYPC.F50.0102
3.9x9.5-A2
DIN 7981
AYPC.F50.0302
3.9x38-A2
DIN 7982
FRK17
AYPC.F50.1915
AYPC.F50.1964
5.5x22-A4
DIN 7982
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1922
AYPC.F50.1204
Joint
sealant
62
9
6
32
6
11
20
25
1.5
Types
AYPC.F50.0906
FRK48
AYPC.F50.0908

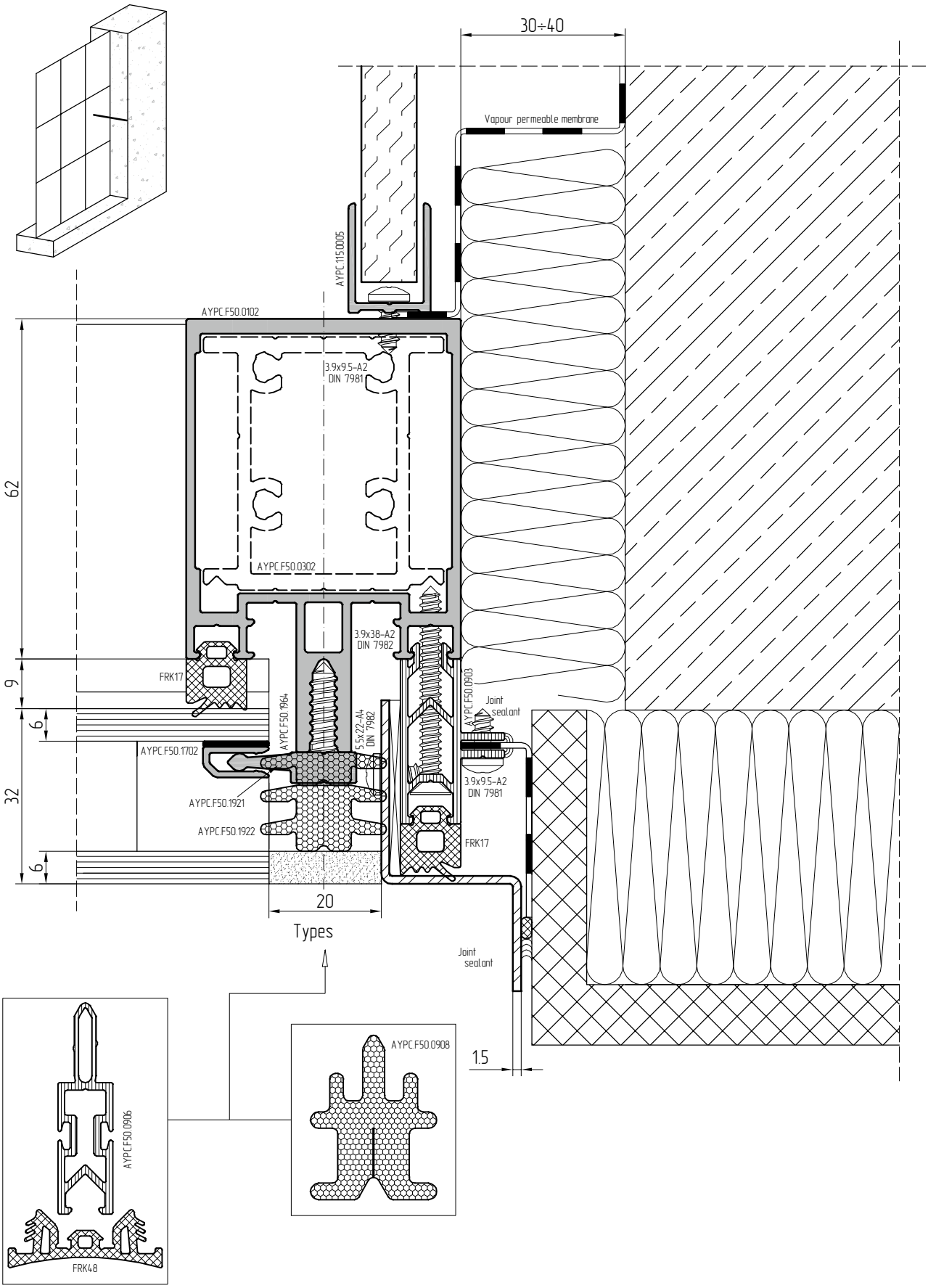
Scale 1:1


30÷40
Vapour permeable membrane
AYPC.115.0005
AYPC.F50.0102
3.9x9.5-A2
DIN 7981
AYPC.F50.0302
3.9x38-A2
DIN 7982
62
9
6
32
6
FRK17
AYPC.F50.1964
5.5x22-A4
DIN 7982
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1922
AYPC.F50.0903
Joint
sealant
3.9x9.5-A2
DIN 7981
FRK17
20
Types
Vapour permeable membrane
1.5
AYPC.F50.0908
AYPC.F50.0906
FRK4.8

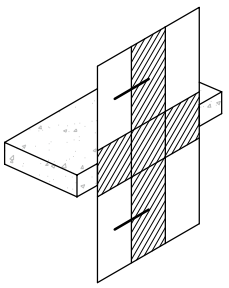
Scale 1:1

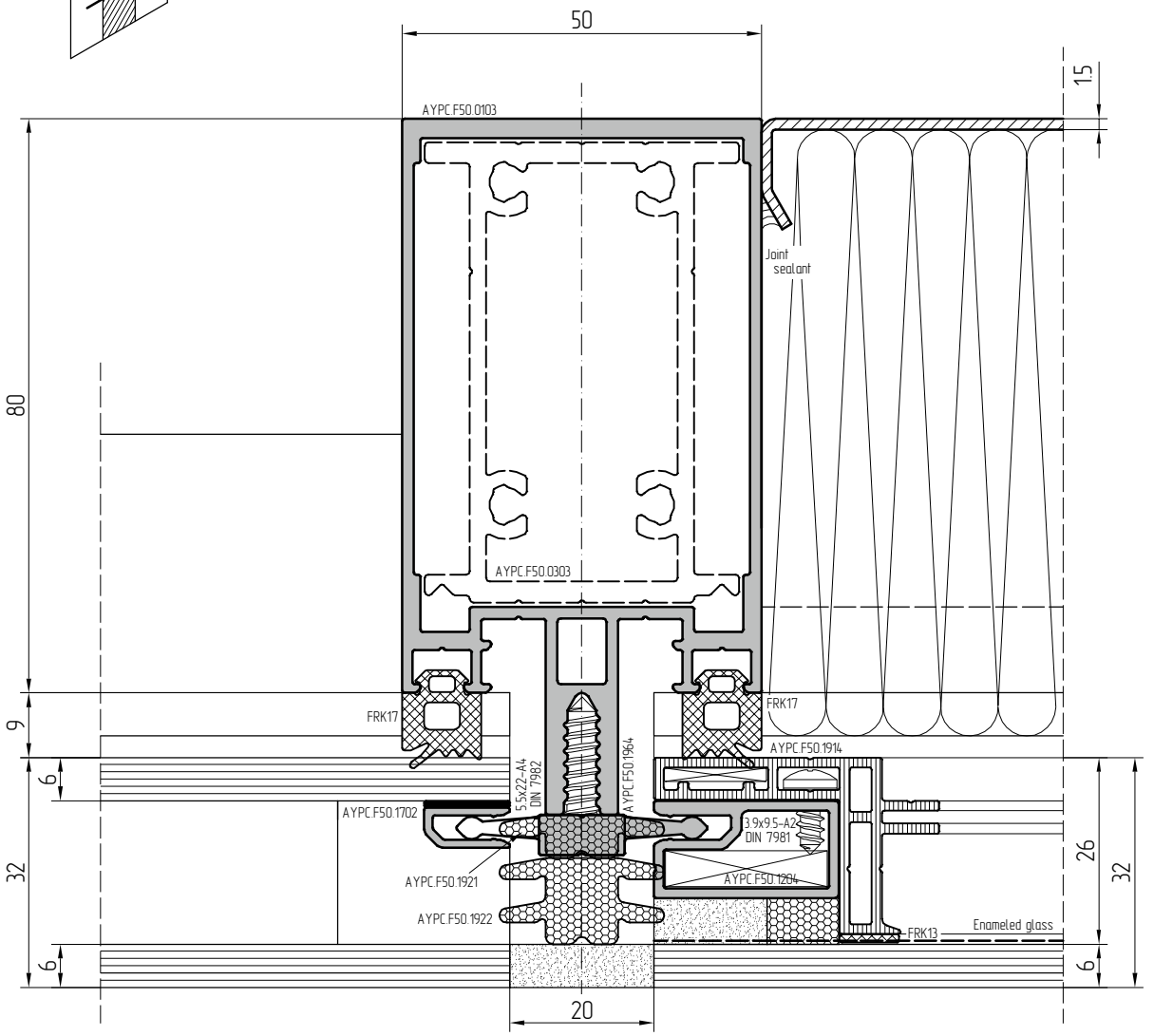

30÷40
Vapour permeable membrane
AYPC.115.0005
AYPC.F50.0102
3.9x9.5-A2 DIN 7981
AYPC.F50.0302
3.9x38-A2 DIN 7982
FRK17
FRK17
AYPC.F50.1915
AYPC.F50.1964
5.5x22-A4 DIN 7982
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1922
3.9x9.5-A2 DIN 7981
AYPC.F50.1204
3.9x9.5-A2 DIN 7981
Joint sealant
Joint sealant
62
9
6
32
6
11
20
25
1.5
Types
AYPC.F50.0906
FRK48
AYPC.F50.0908

Scale 1:1

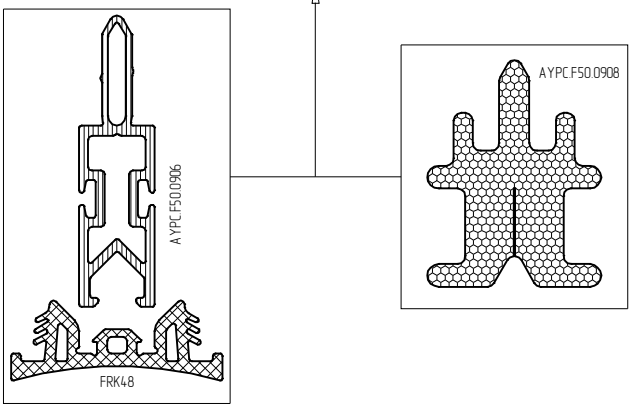

30÷40
Vapour permeable membrane
AYPC.115.0005
AYPC.F50.0102
3.9x9.5-A2
DIN 7981
AYPC.F50.0302
3.9x38-A2
DIN 7982
FRK17
AYPC.F50.1964
AYPC.F50.0903
Joint
sealant
5.5x22-A4
DIN 7982
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1922
3.9x9.5-A2
DIN 7981
FRK17
62
9
6
32
6
20
1.5
Types
Joint
sealant
AYPC.F50.0908
AYPC.F50.0906
FRK4.8

Scale 1:1





Types



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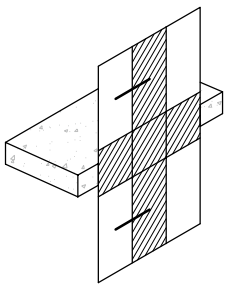
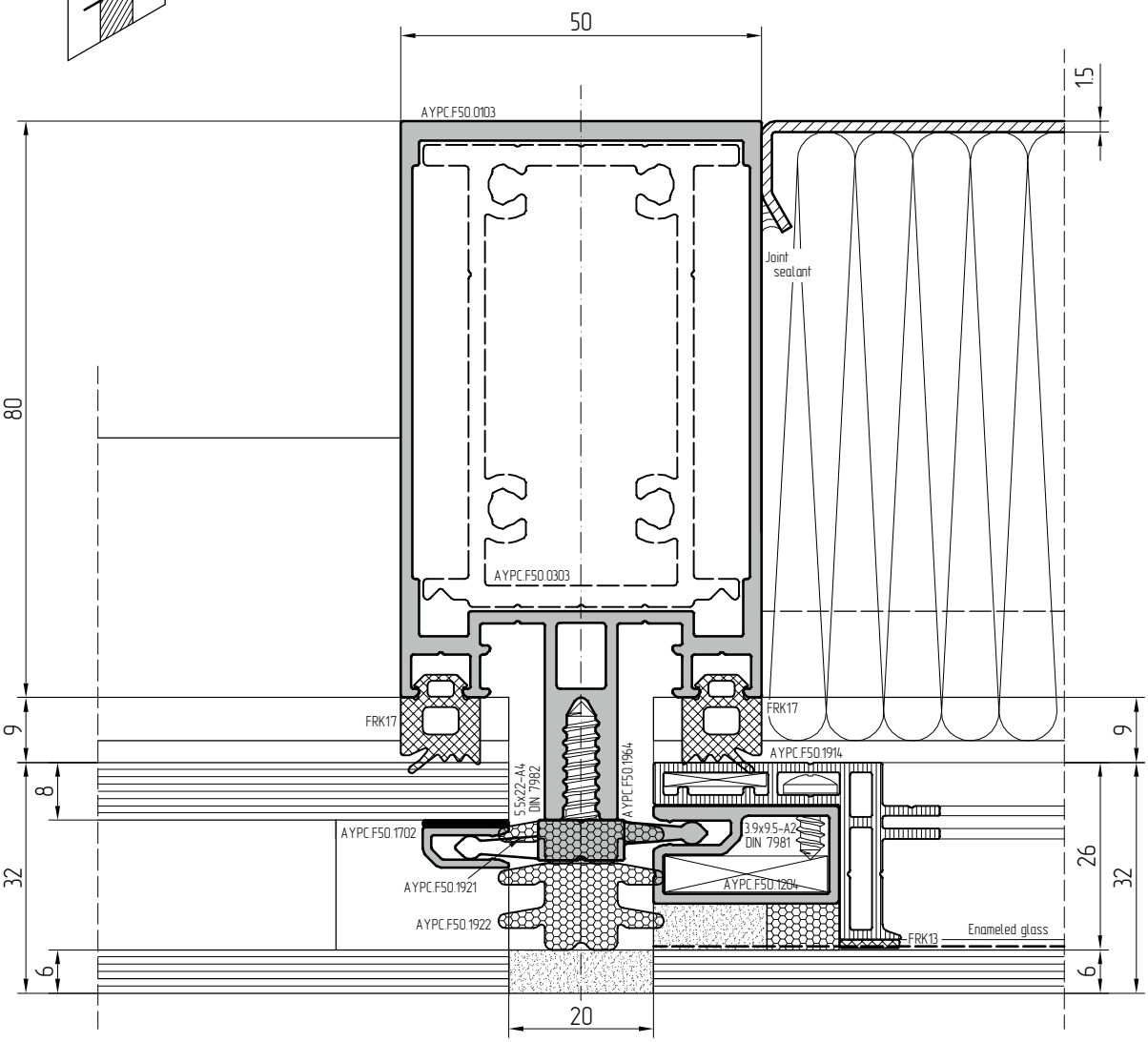
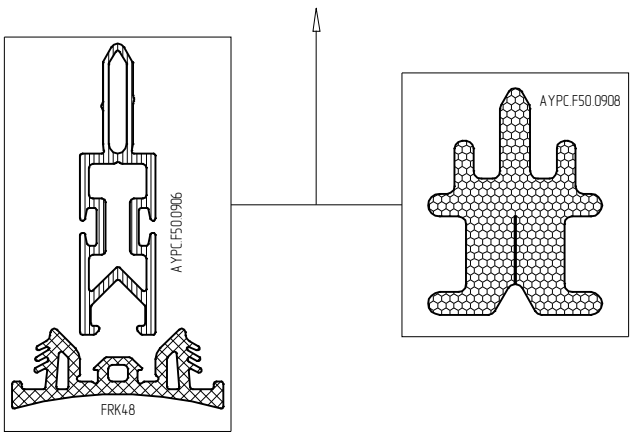




Types



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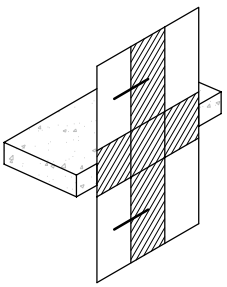
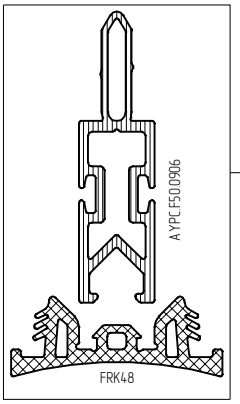
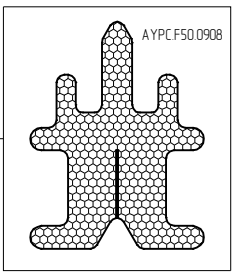
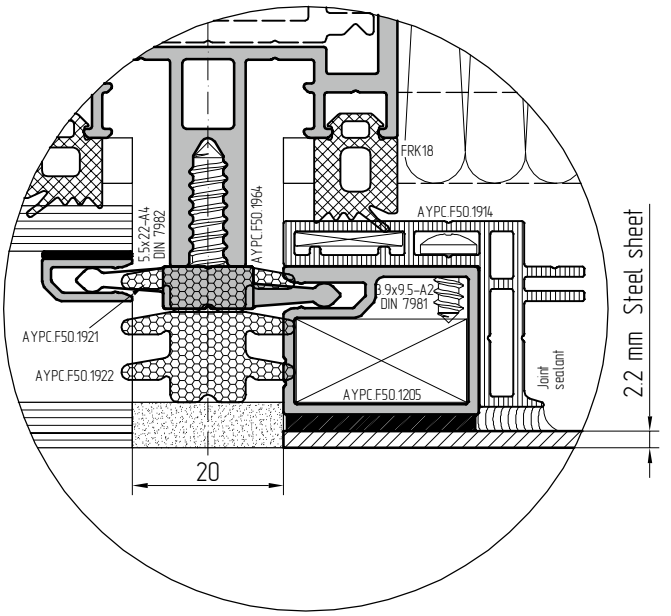


Types







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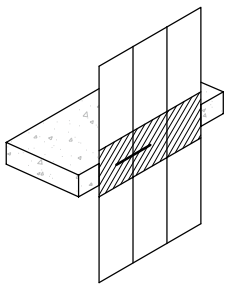

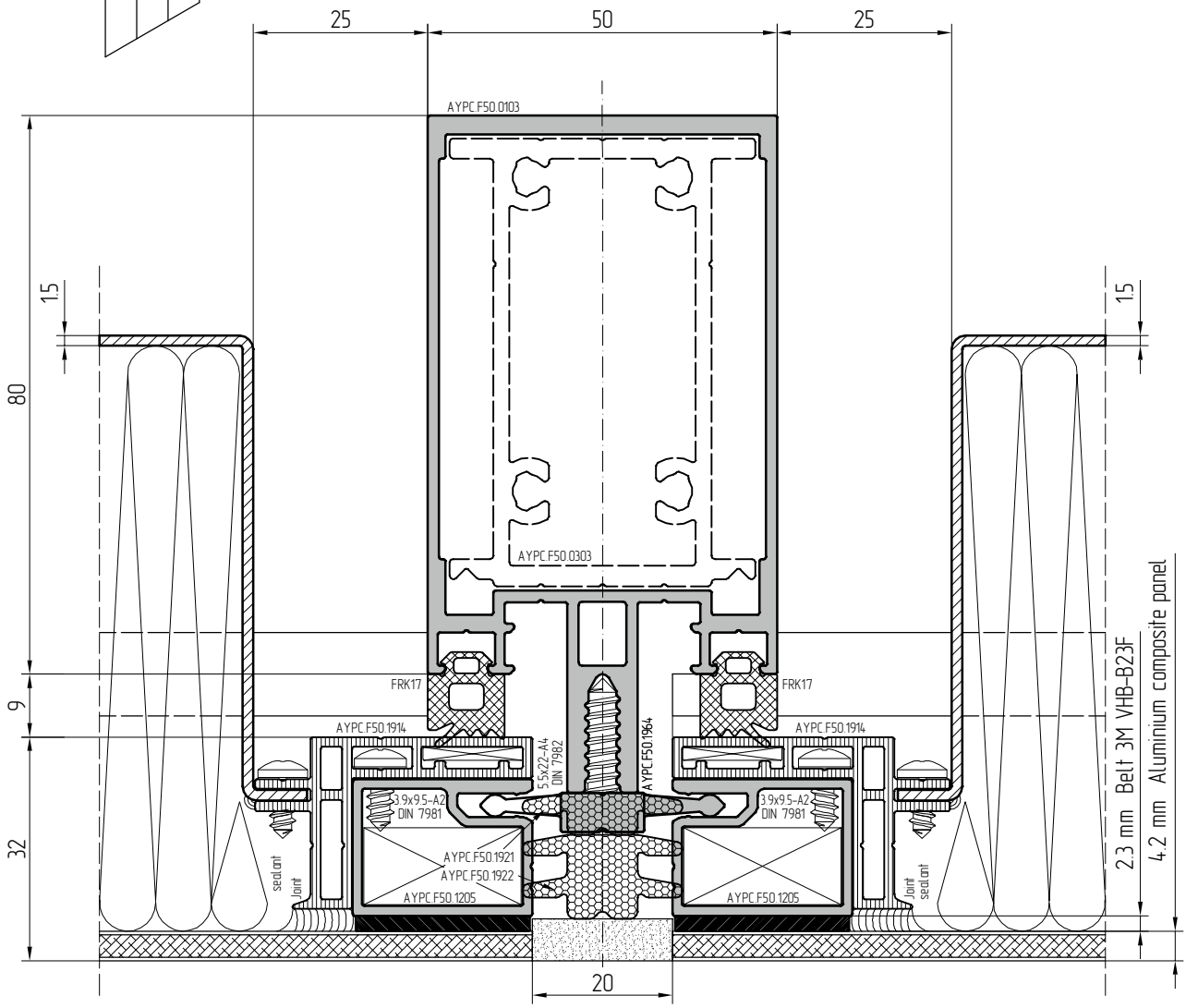

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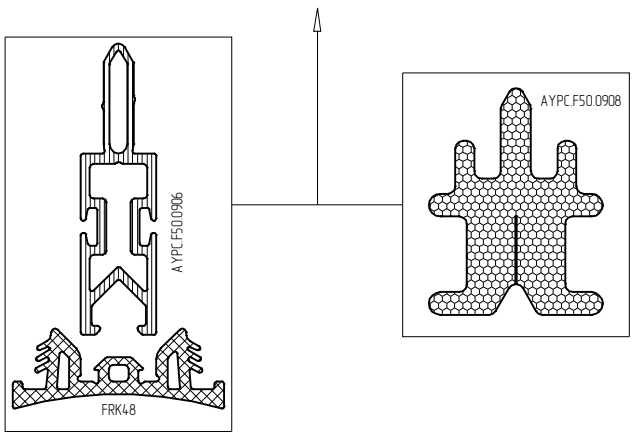
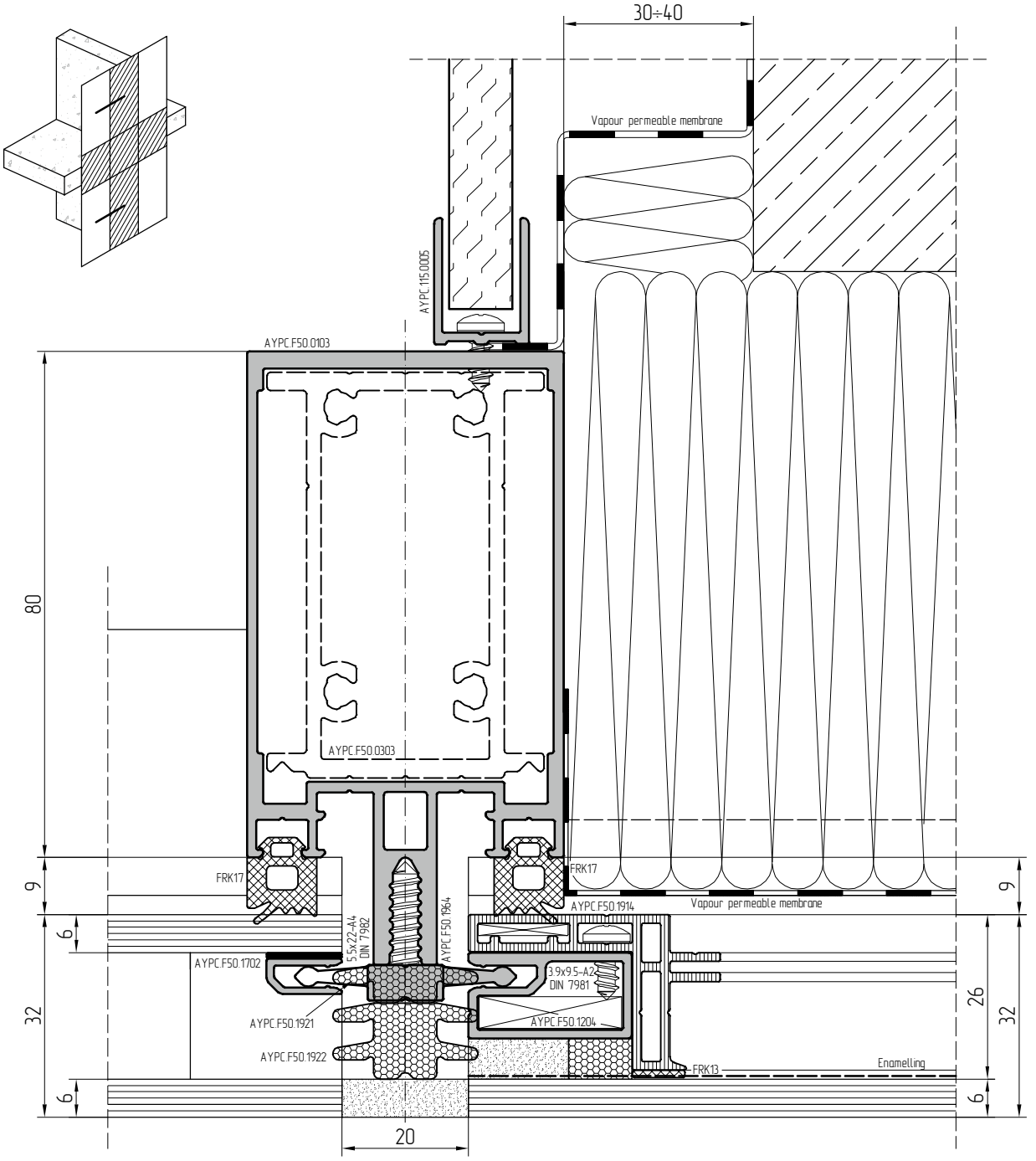


Scale 1:1



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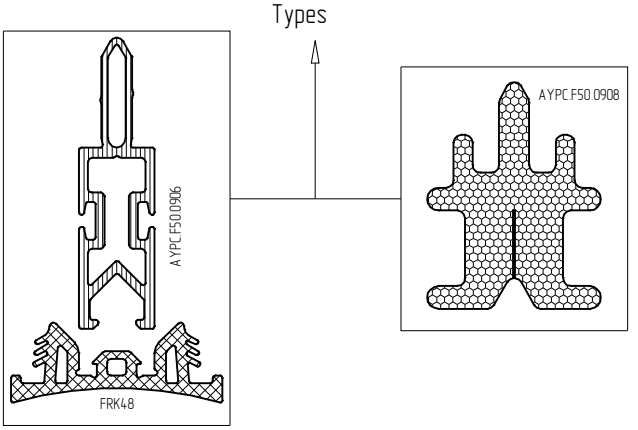

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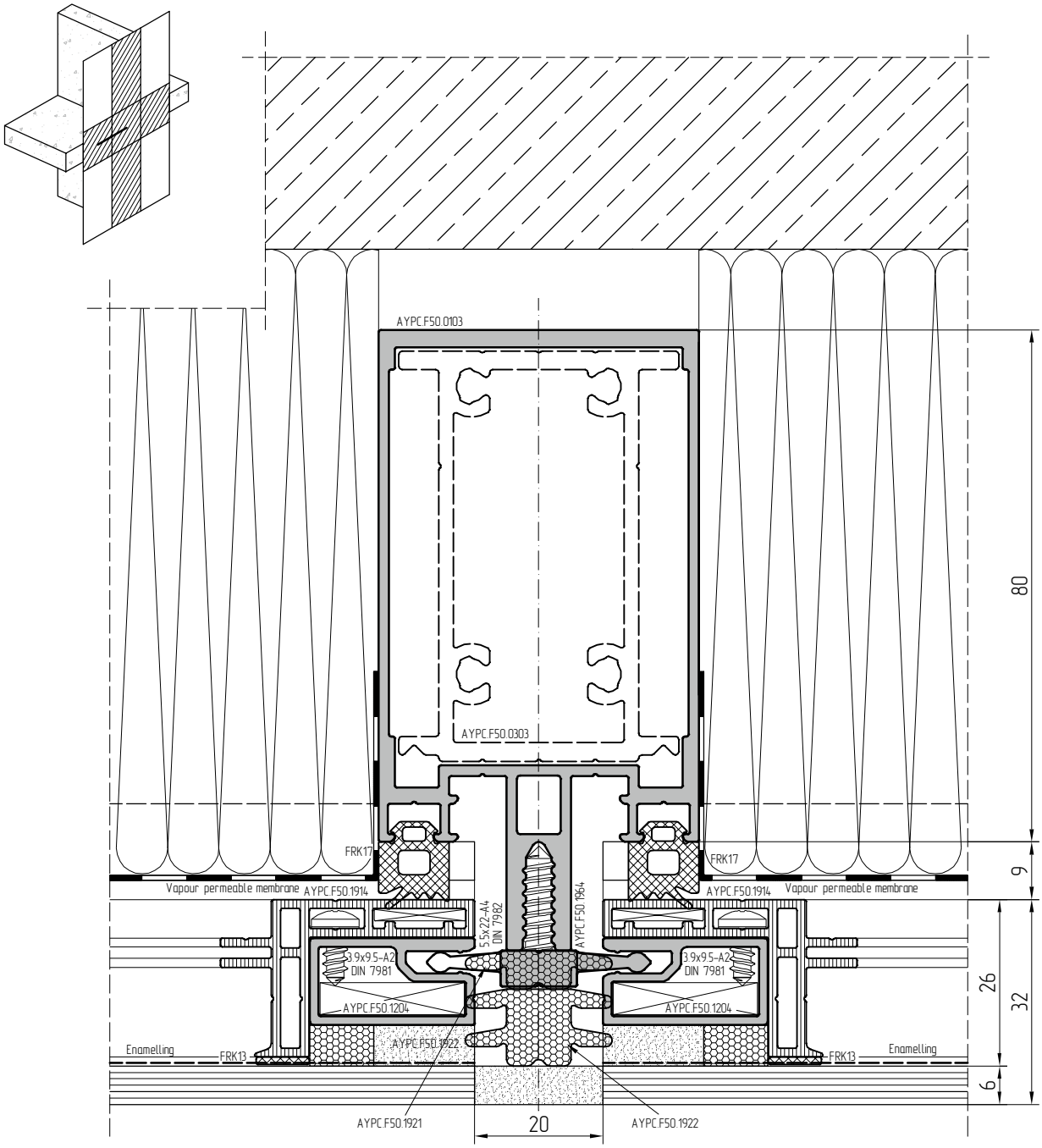

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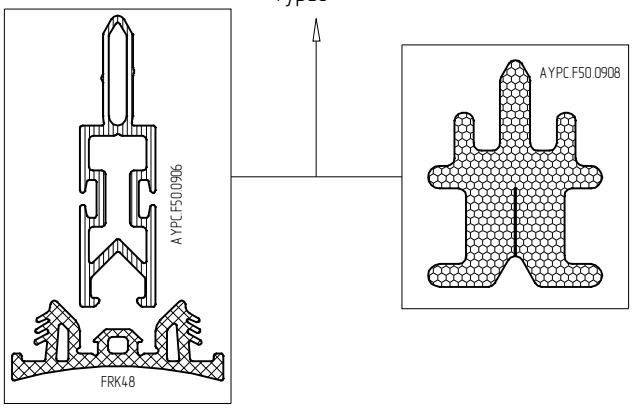

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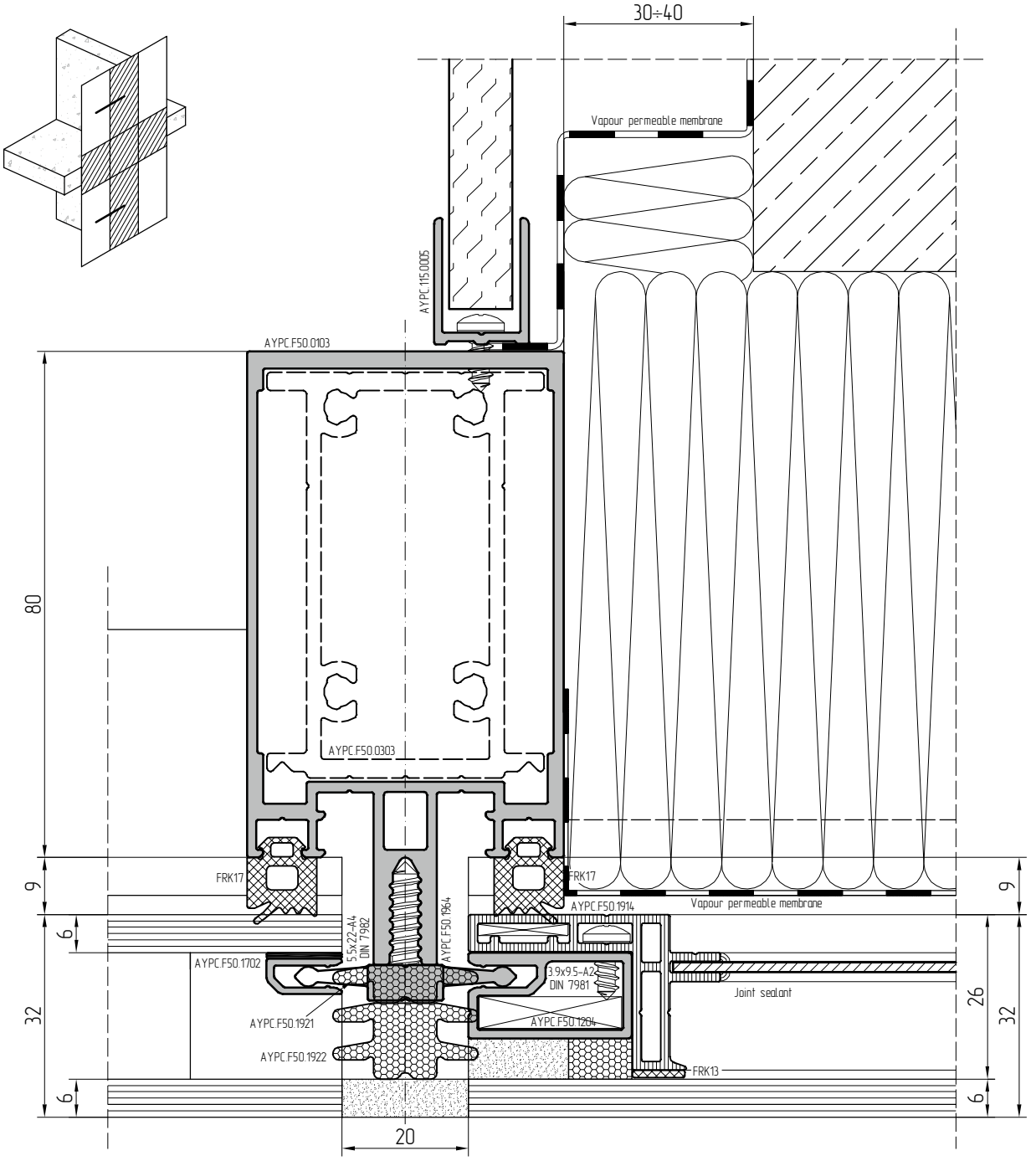

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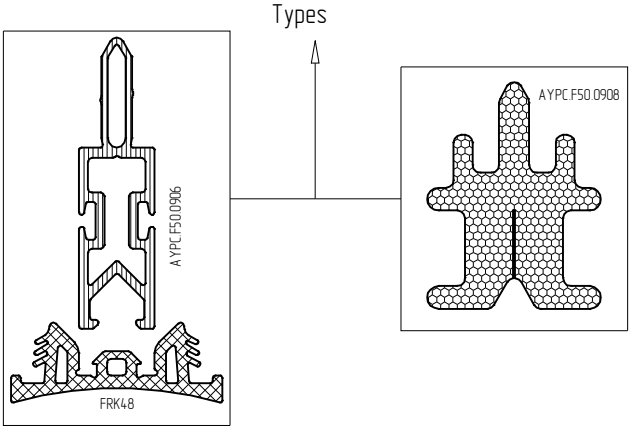

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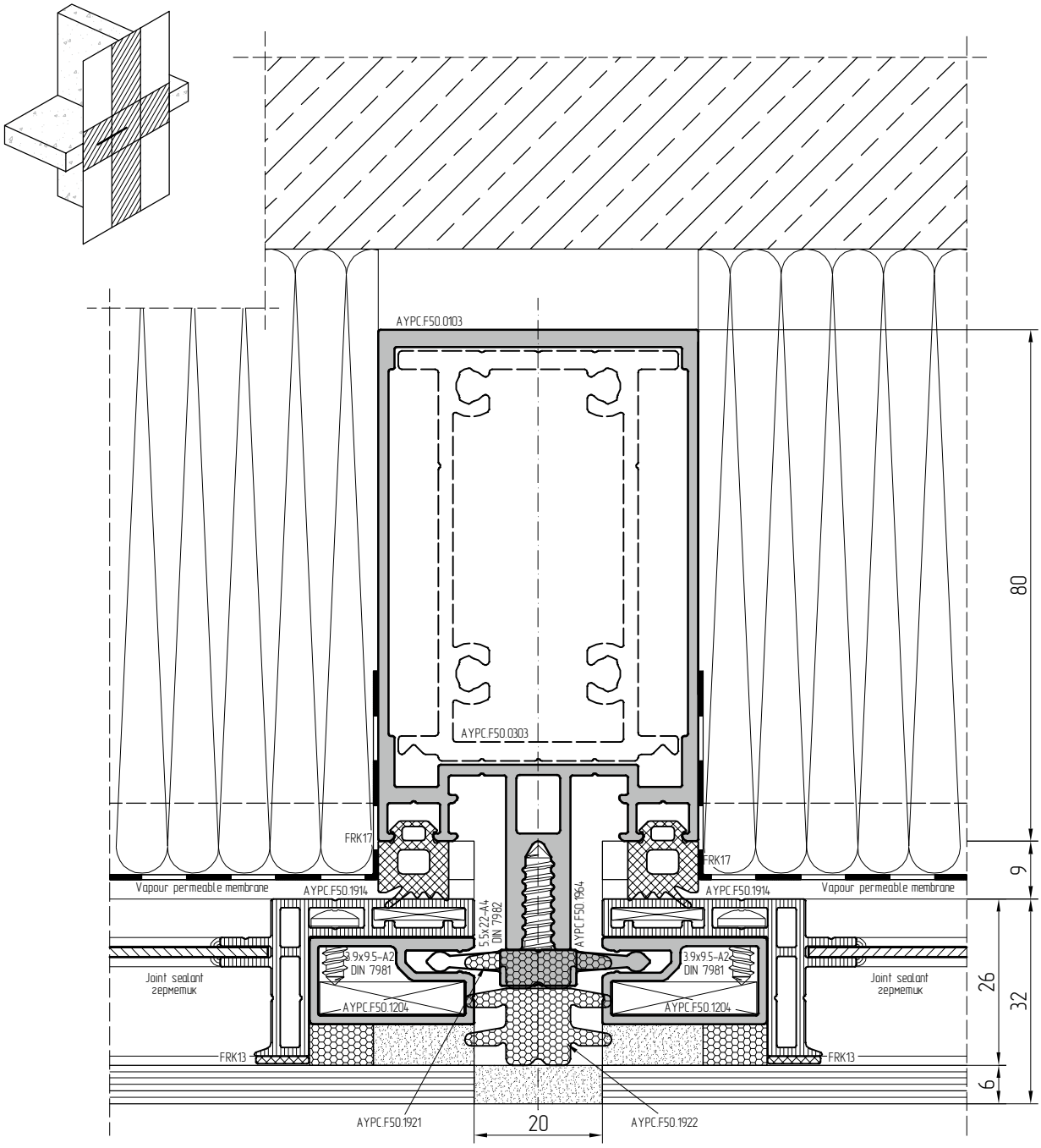

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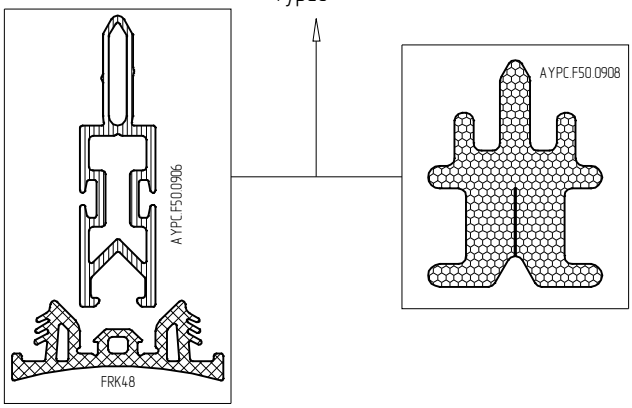
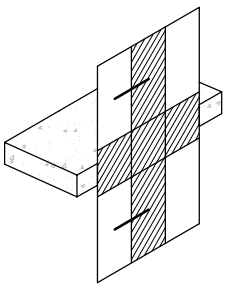
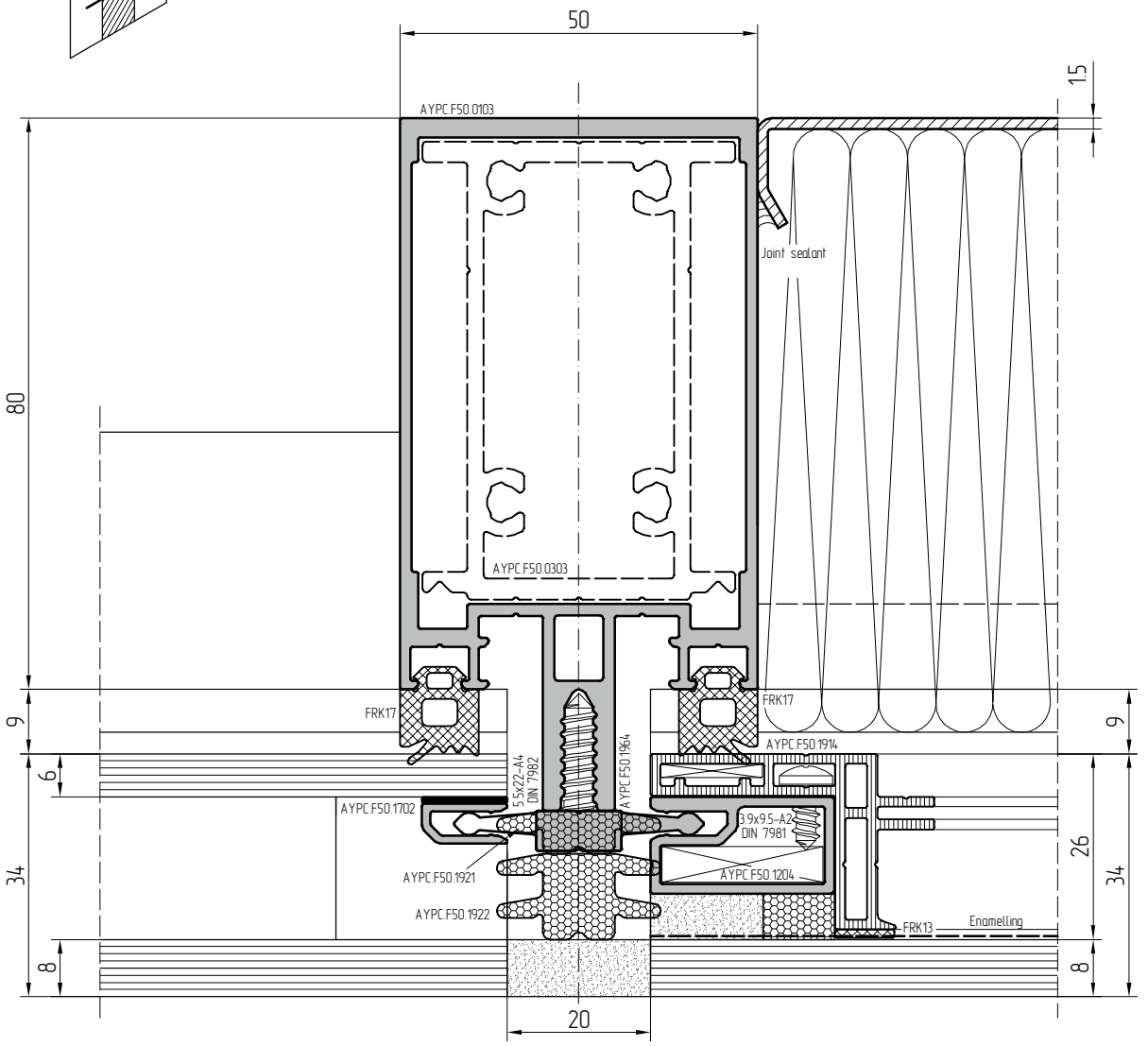
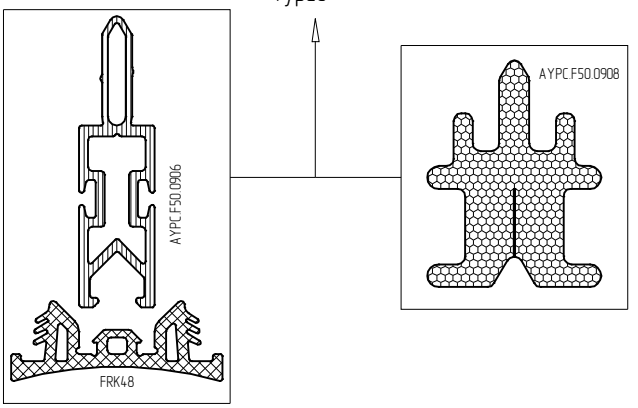


Scale 1:1

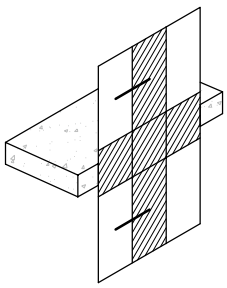


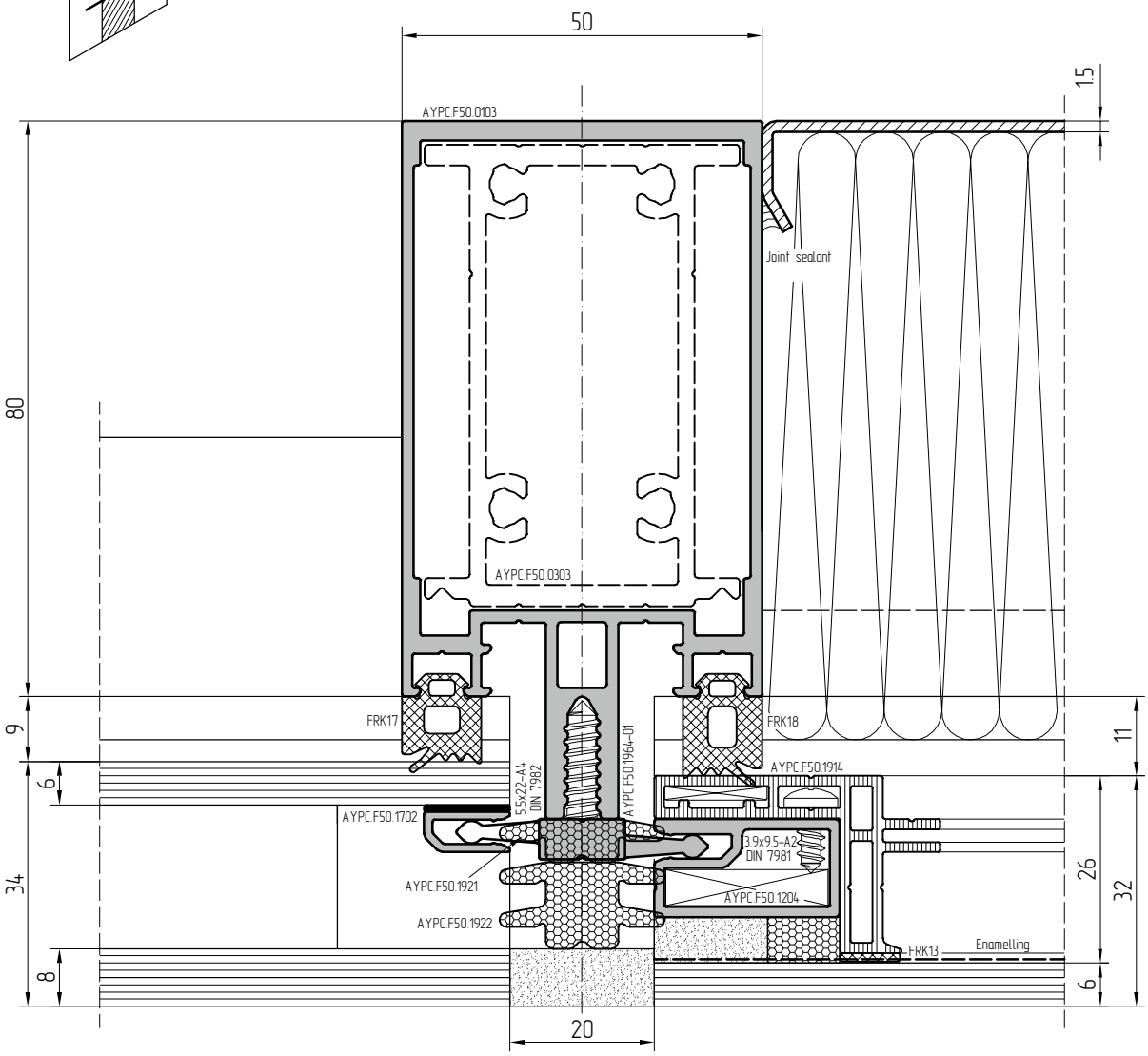


Types

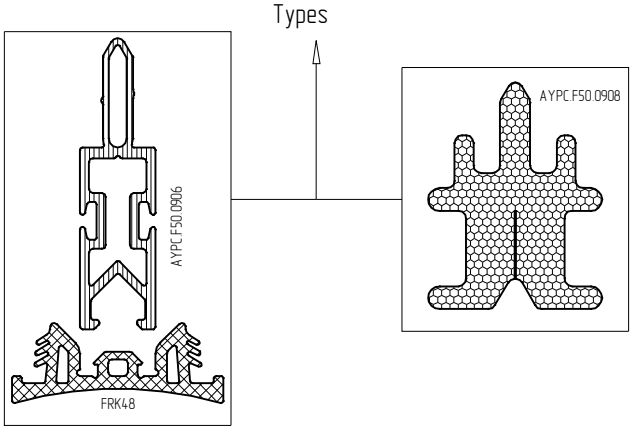


Scale 1:1





Types



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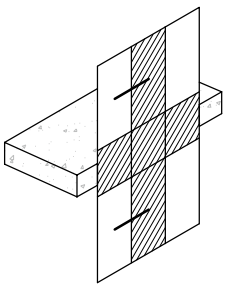

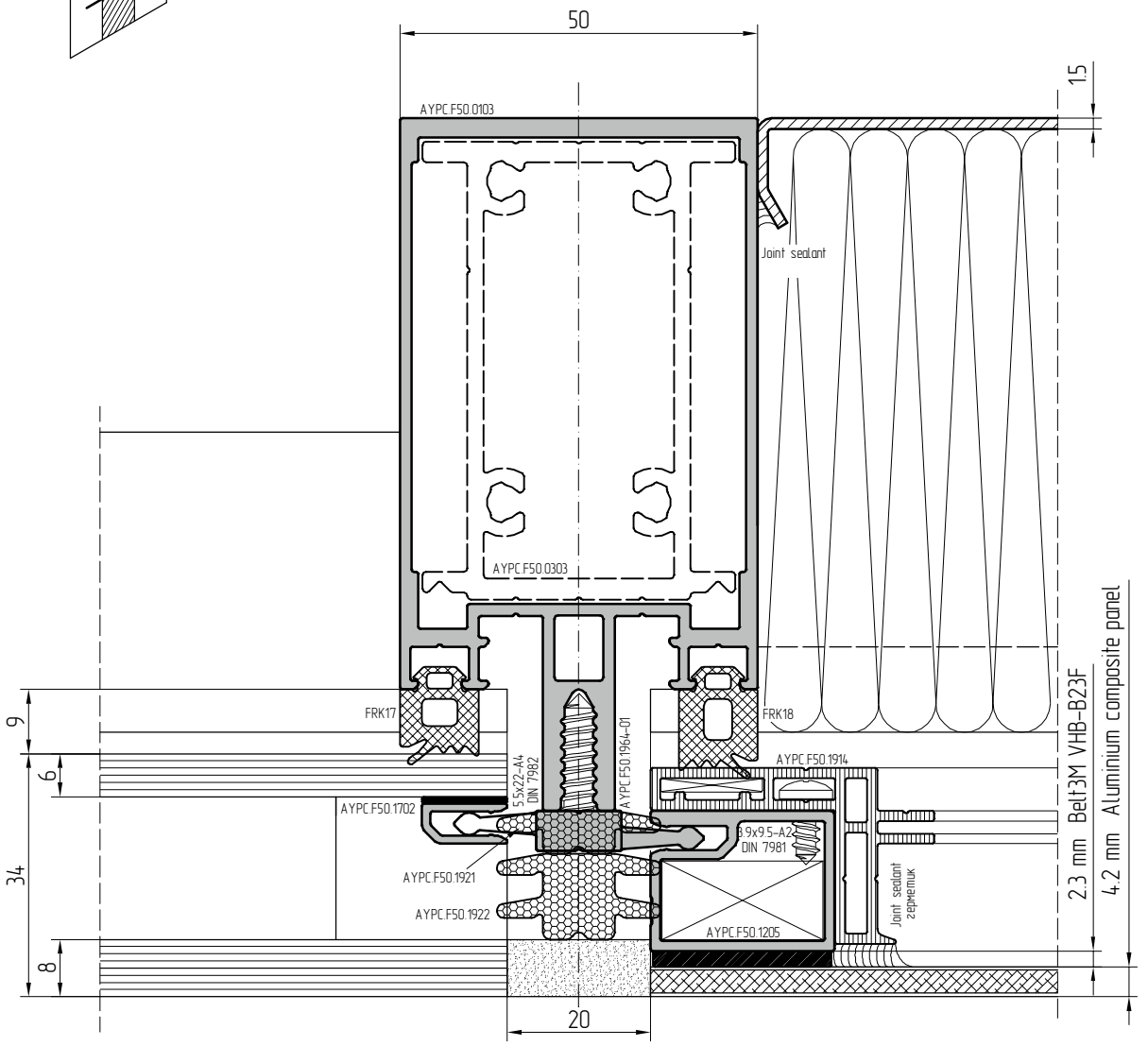

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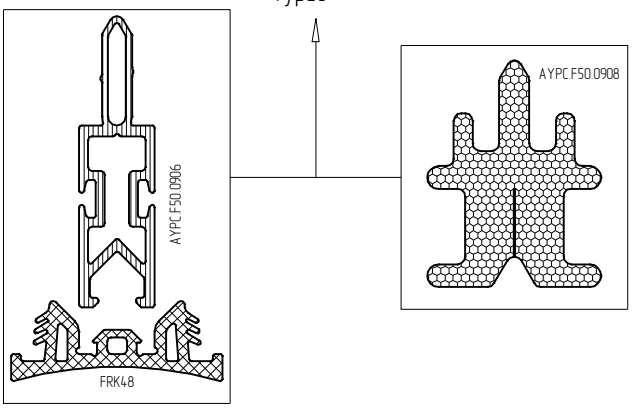

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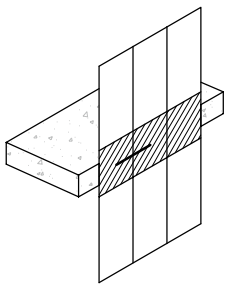

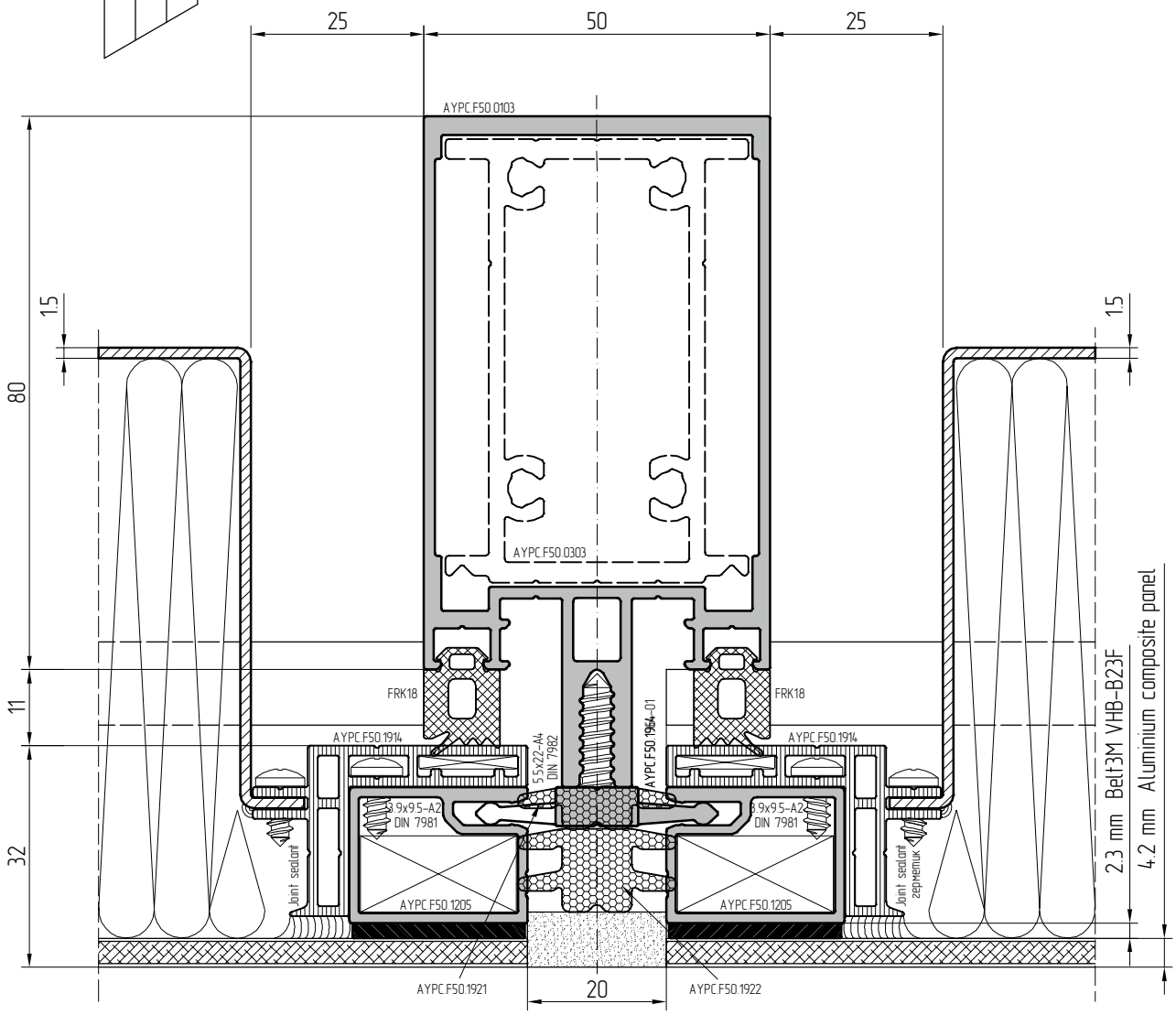

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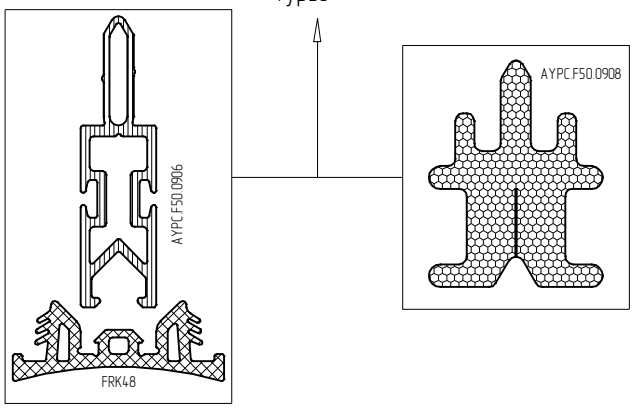

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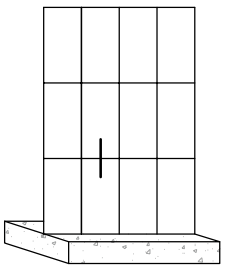

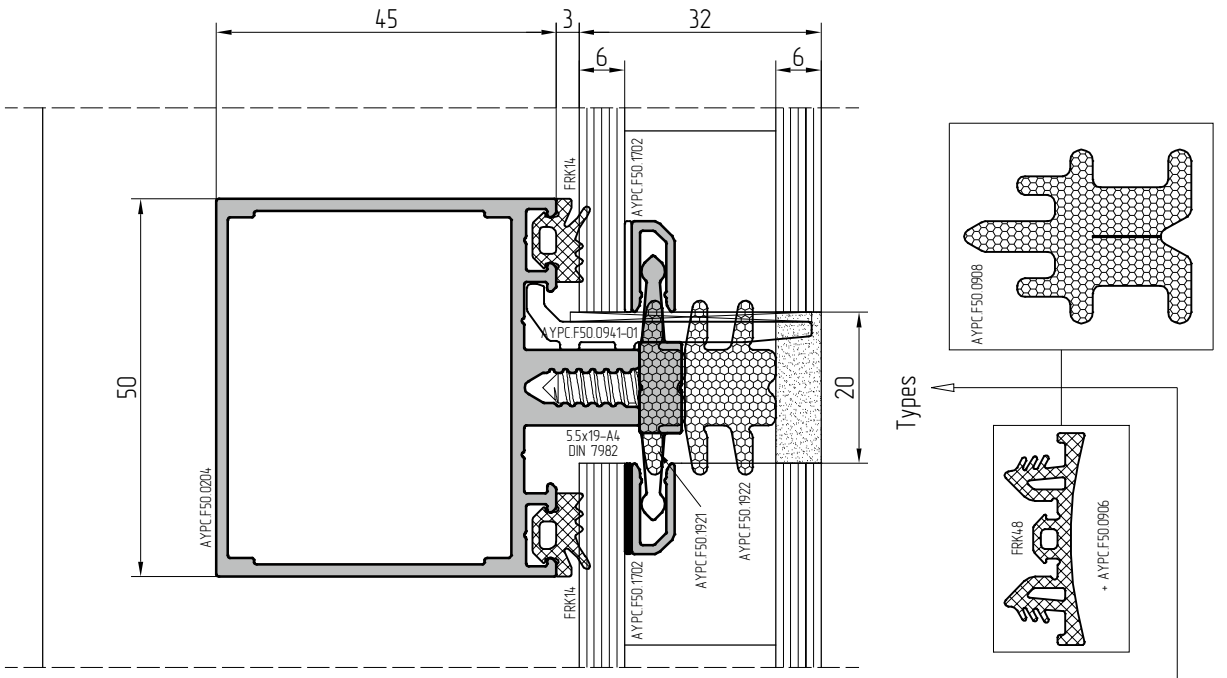
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6
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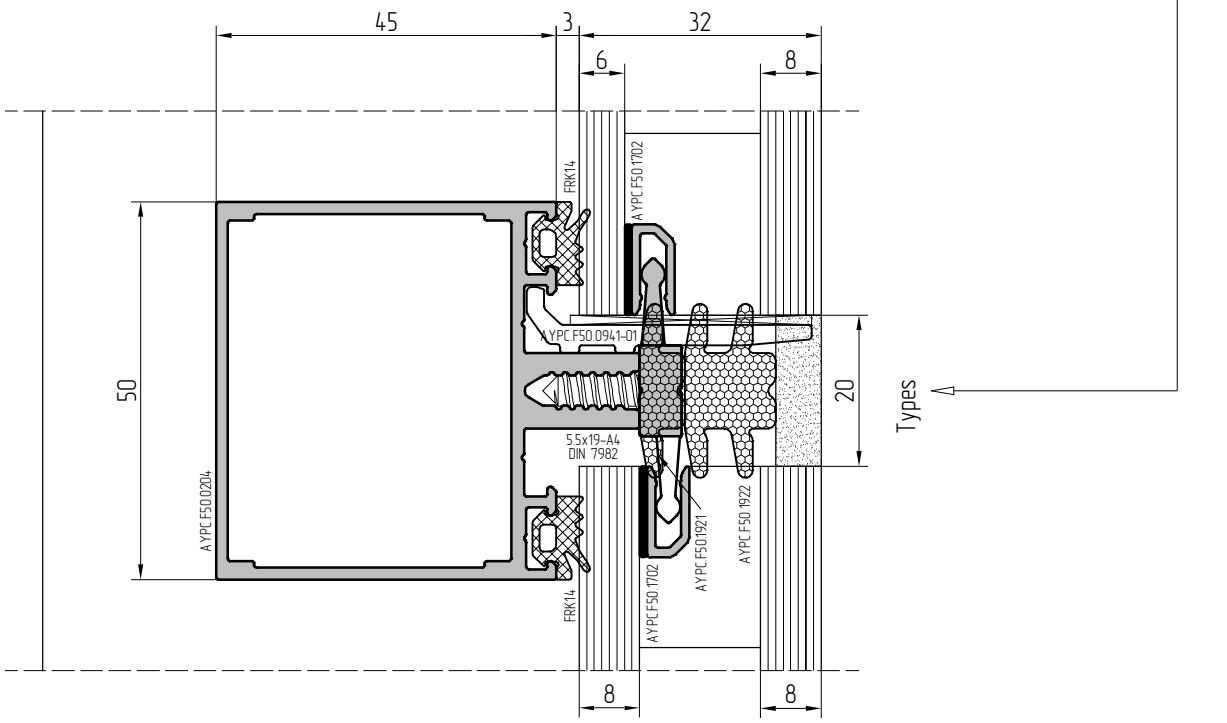
FRK14
AYPC.F50.1702
AYPC.F50.0941-01
50
20
5.5x19-A4
DIN 7982
AYPC.F50.0204
AYPC.F50.1921
AYPC.F50.1922
FRK14
AYPC.F50.1702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6
8
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AYPC.F50.1702
AYPC.F50.0941-01
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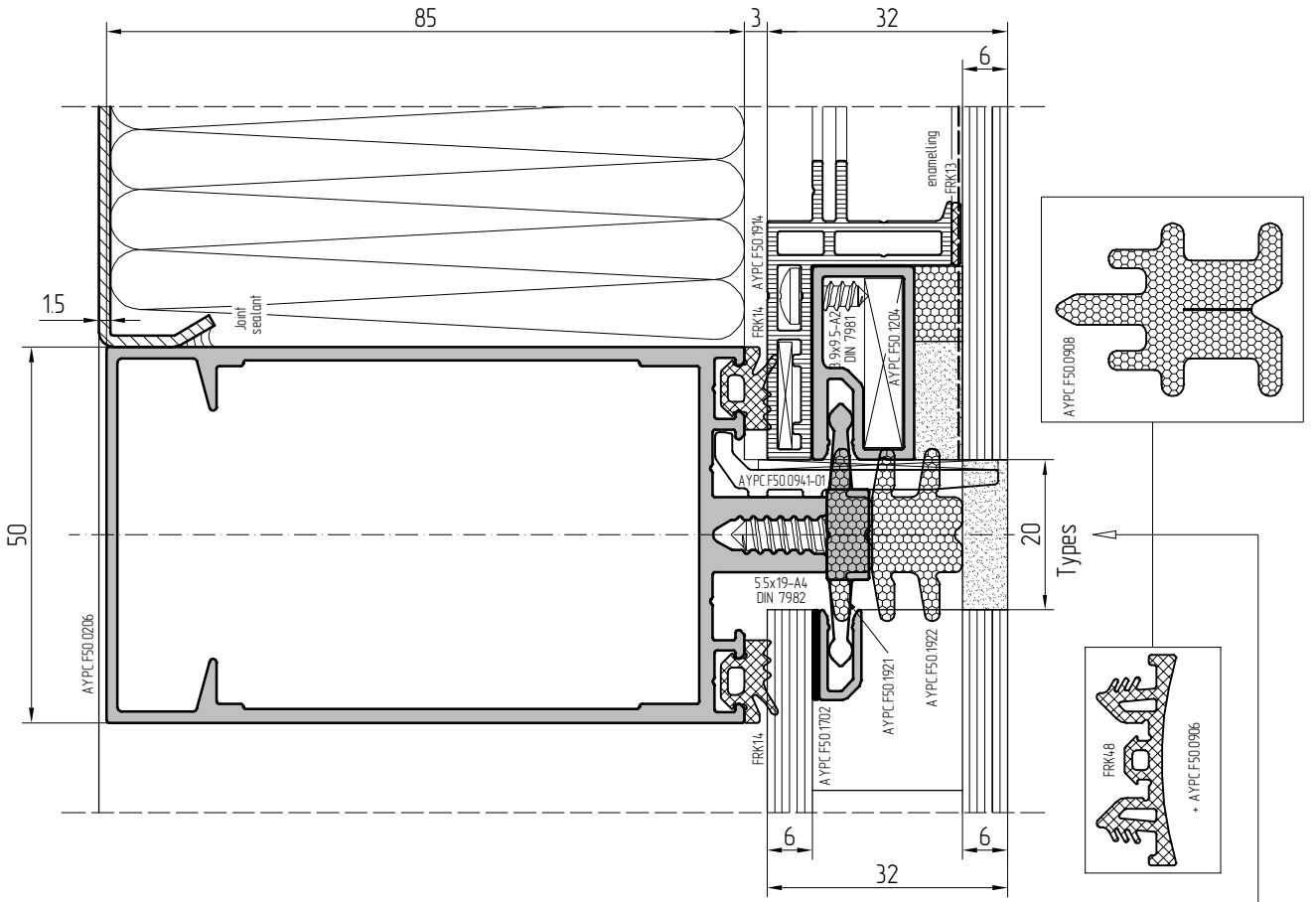
5.5x19-A4
DIN 7982
AYPC.F50.0204
AYPC.F50.1921
AYPC.F50.1922
FRK14
AYPC.F50.1702
8
8

AYPC.F50.0908
Types
FRK48
+ AYPC.F50.0906
Types

Scale 1:1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32
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1.5
Joint sealant
enamelling
FRK13
AYPC F50.1914
FRK14
8.9x9.5-A2 DIN 7981
AYPC F50.1204
AYPC F50.0941-01
50
20
Types
5.5x19-A4 DIN 7982
AYPC F50.0206
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AYPC F50.1922
AYPC F50.1702
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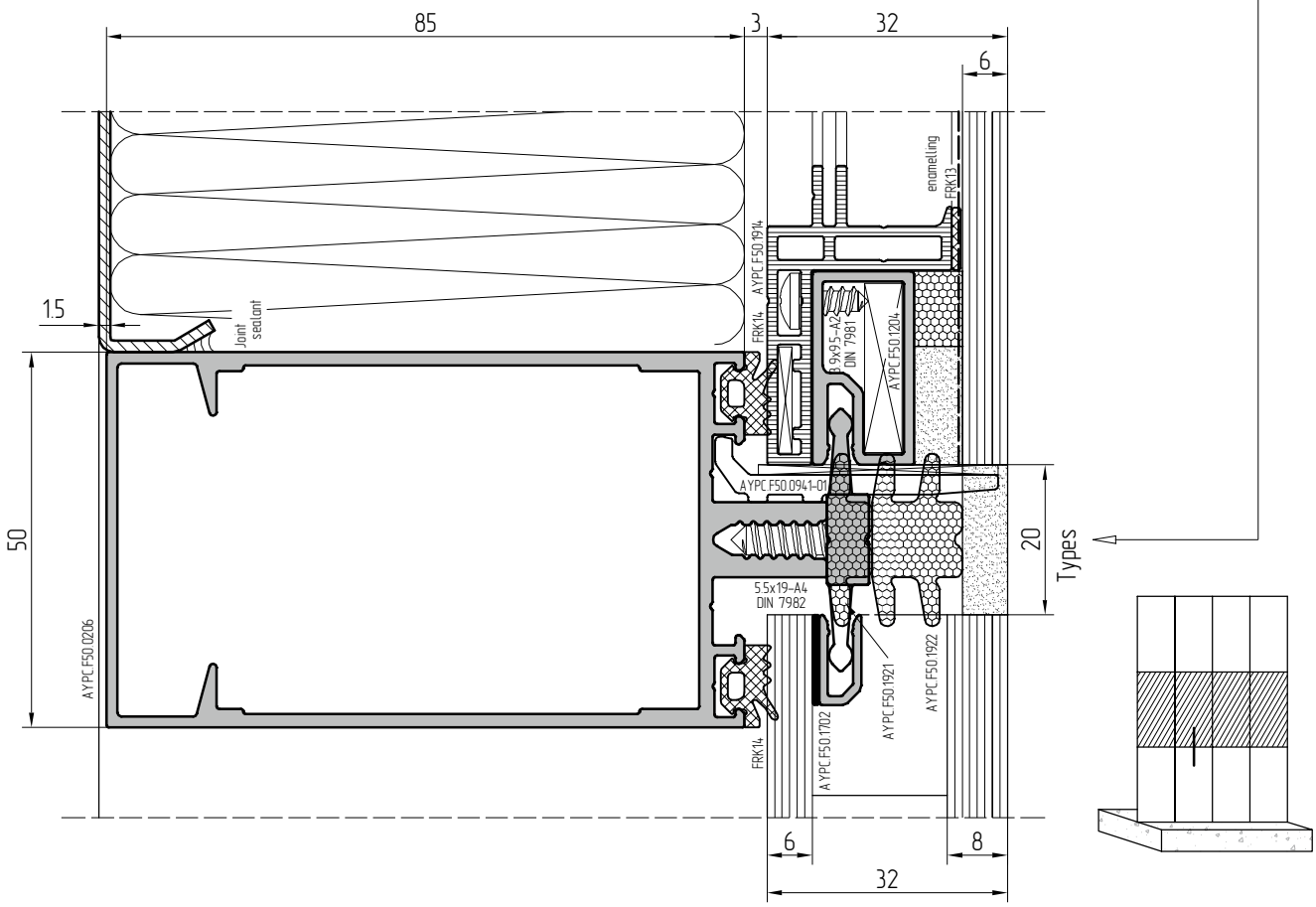
32
AYPC F50.0908
FRK48
+ AYPC F50.0906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Joint sealant
enamelling
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FRK14
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AYPC F50.1204
AYPC F50.0941-01
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Types
5.5x19-A4 DIN 7982
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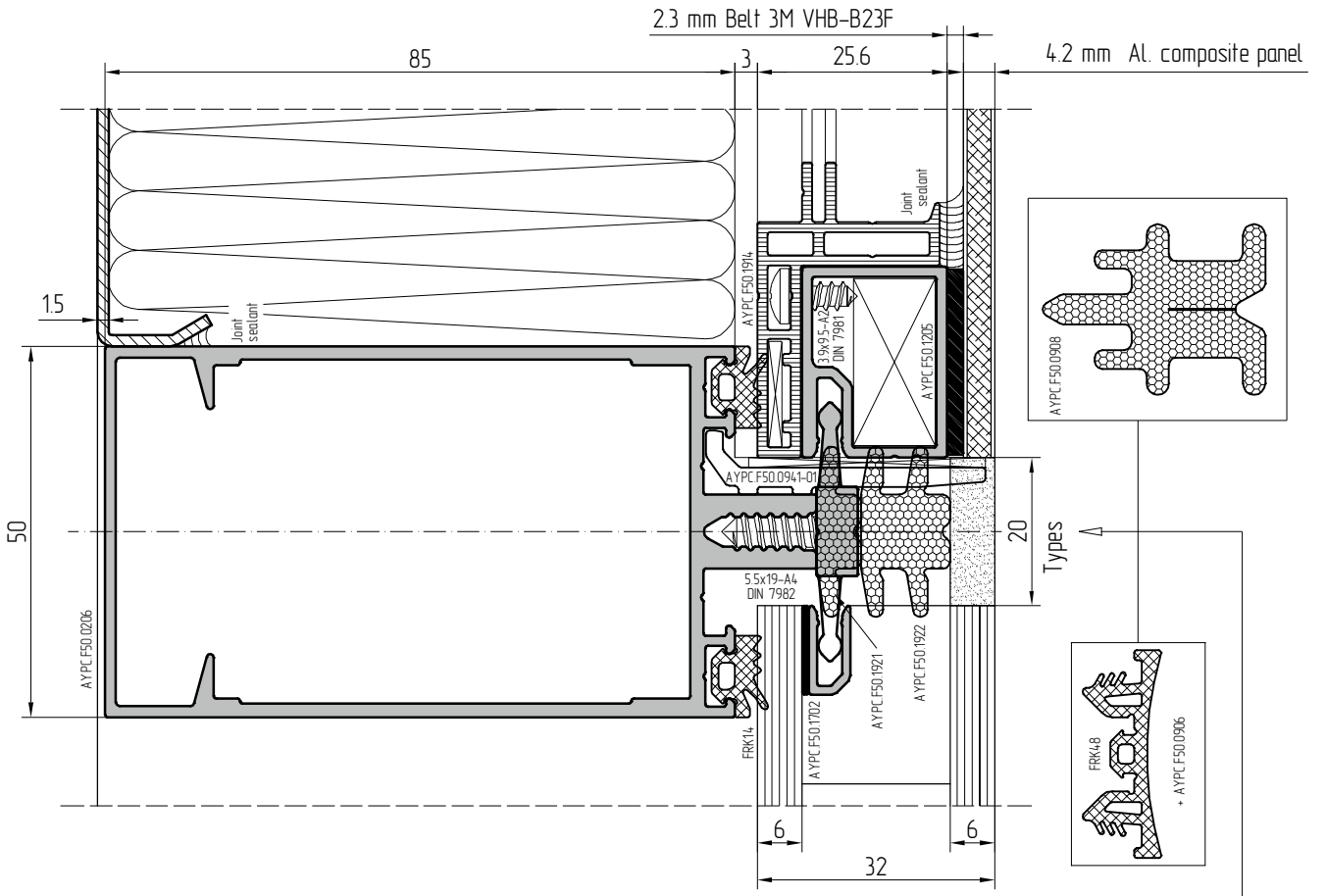
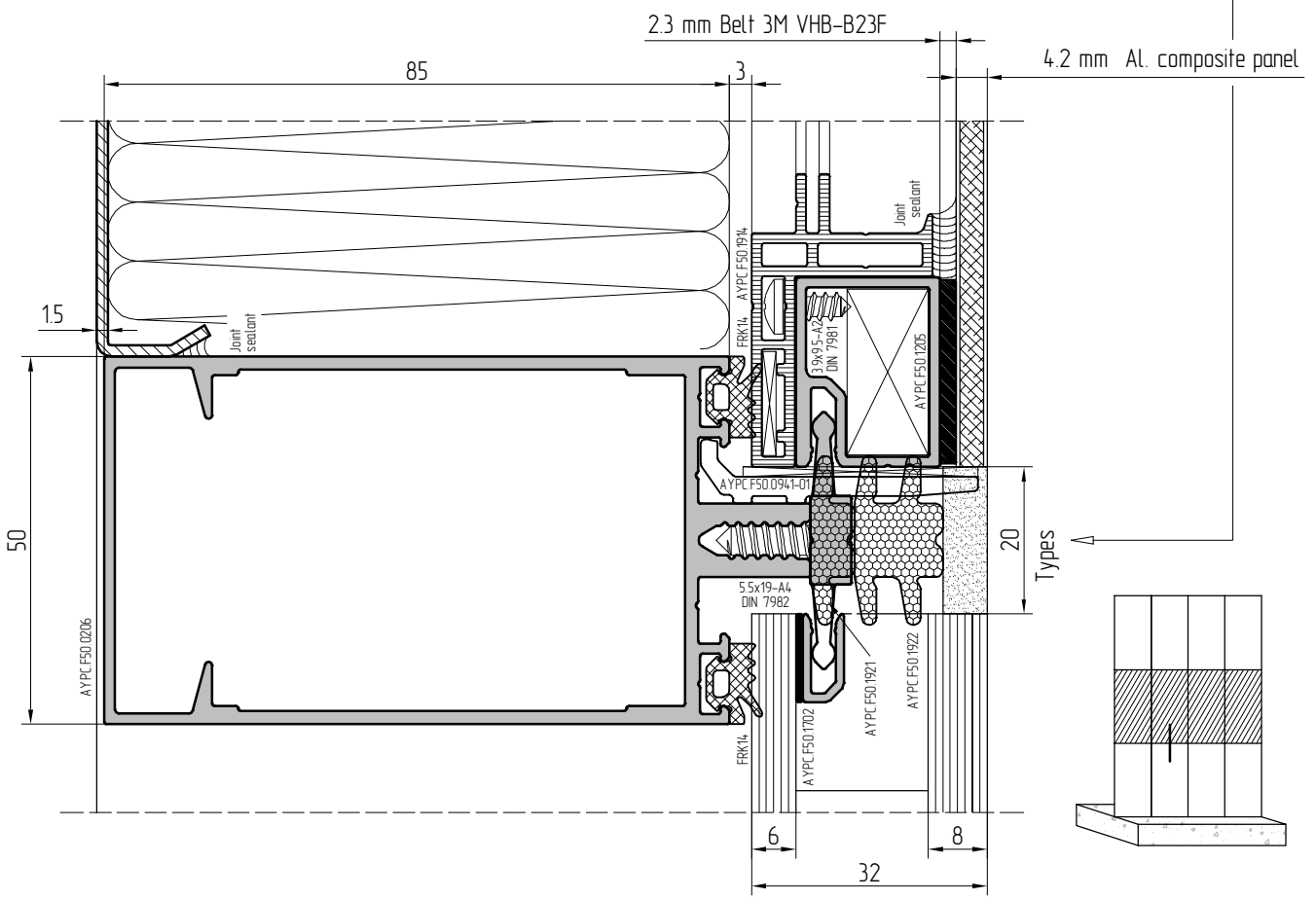
AYPC F50.1922
AYPC F50.1702
6
8
32

Scale 1:1


2.3 mm Belt 3M VHB-B23F
4.2 mm Al. composite panel
85
3
25.6
1.5
50
20
6
6
32
Joint sealant
AYPC F50.1914
3.9x9.5-A2 DIN 7981
AYPC F50.1205
AYPC F50.0941-01
5.5x19-A4 DIN 7982
AYPC F50.1922
AYPC F50.1921
AYPC F50.1702
FRK14
AYPC F50.0206
AYPC F50.0908
FRK48
+ AYPC F50.0906
Types


2.3 mm Belt 3M VHB-B23F
4.2 mm Al. composite panel
85
3
1.5
50
20
6
8
32
Joint sealant
AYPC F50.1914
FRK14
3.9x9.5-A2 DIN 7981
AYPC F50.1205
AYPC F50.0941-01
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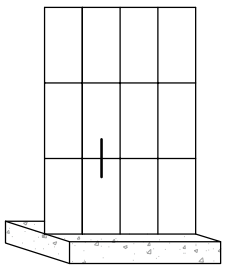
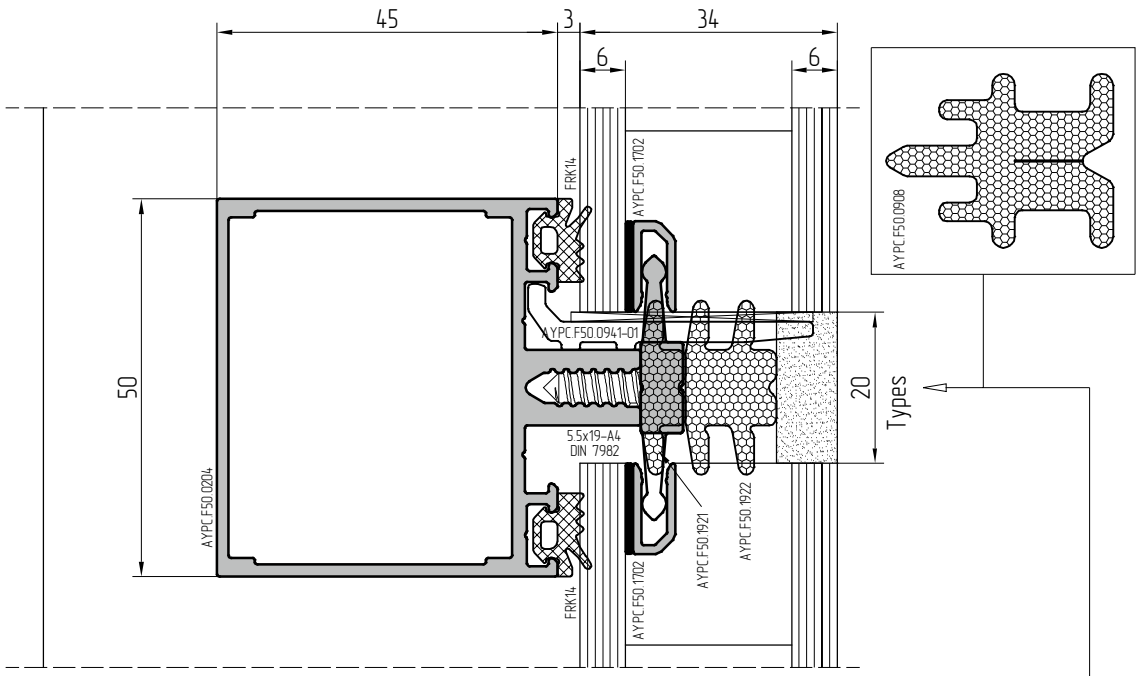
AYPC F50.1922
AYPC F50.1921
AYPC F50.1702
AYPC F50.0206
Types

Scale 1:1

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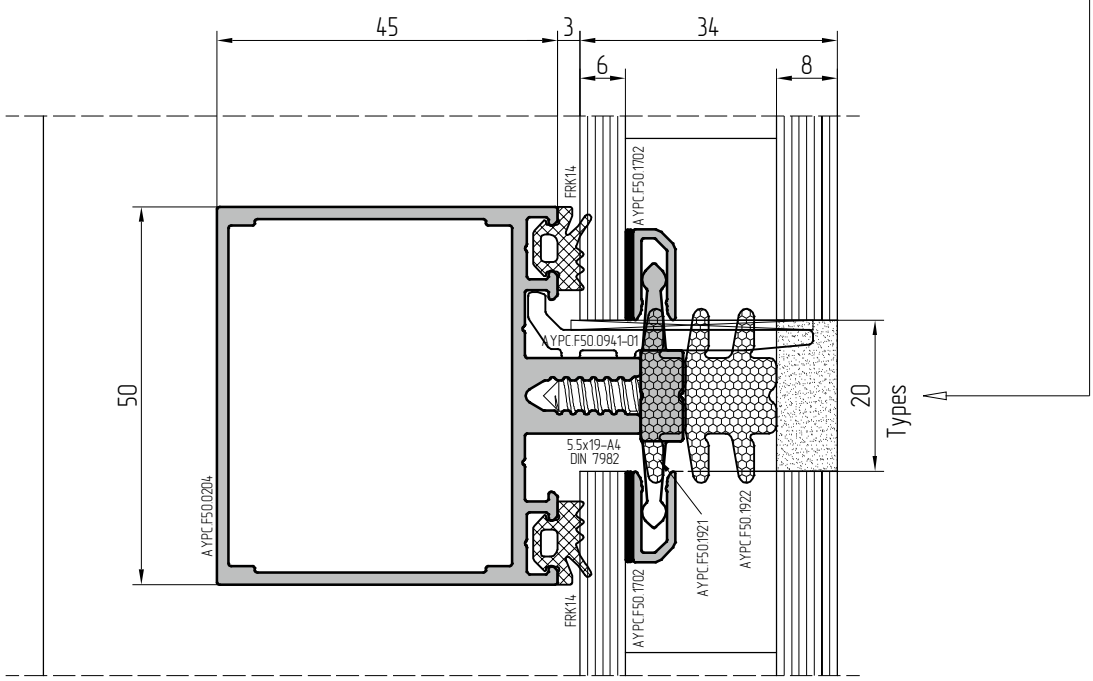
34
6
6
FRK14
AYPC F50.1702
AYPC F50.0908
AYPC F50.0941-01
50
20
Types
5.5x19-A4
DIN 7982
AYPC F50.0204
AYPC F50.1921
AYPC F50.1922
FRK14
AYPC F50.1702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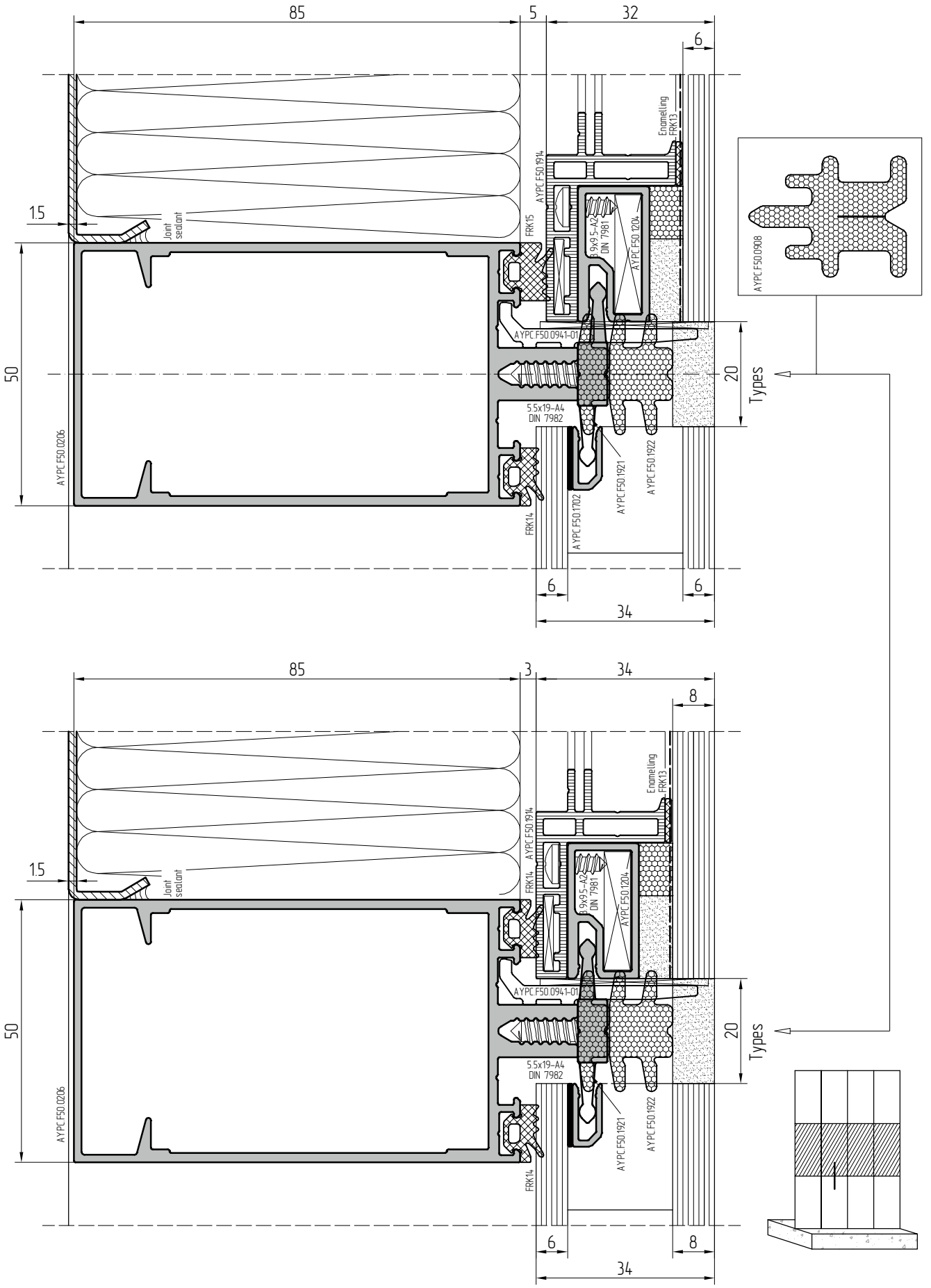
3
34
6
8
FRK14
AYPC F50.1702
AYPC F50.0941-01
50
20
Types
5.5x19-A4
DIN 7982
AYPC F50.0204
AYPC F50.1921
AYPC F50.1922
FRK14
AYPC F50.1702

Scale 1:1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32
6
1.5
Joint sealant
Enamelling FRK13
AYPC F50.1914
FRK15
8.9x9.5-A2 DIN 7981
AYPC F50.1204
AYPC F50.0908
AYPC F50.0941-01
50
20
Types
5.5x19-A4 DIN 7982
AYPC F50.0206
AYPC F50.1922
AYPC F50.1921
AYPC F50.1702
FRK14
6
6
34
85
3
34
8
1.5
Joint sealant
Enamelling FRK13
AYPC F50.1914
FRK14
8.9x9.5-A2 DIN 7981
AYPC F50.1204
AYPC F50.0941-01
50
20
Types
5.5x19-A4 DIN 7982
AYPC F50.0206
AYPC F50.1922
AYPC F50.1921
FRK14
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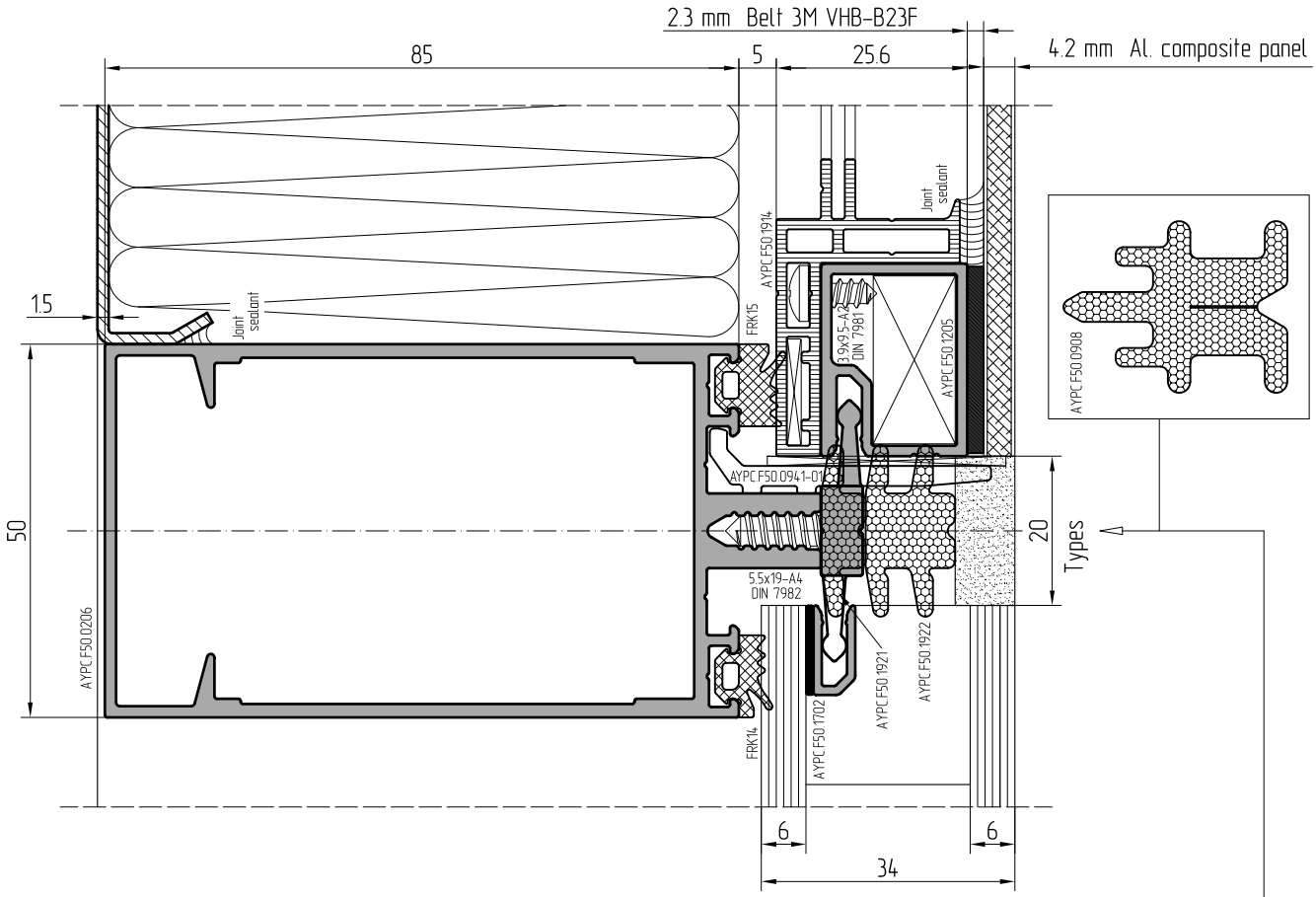
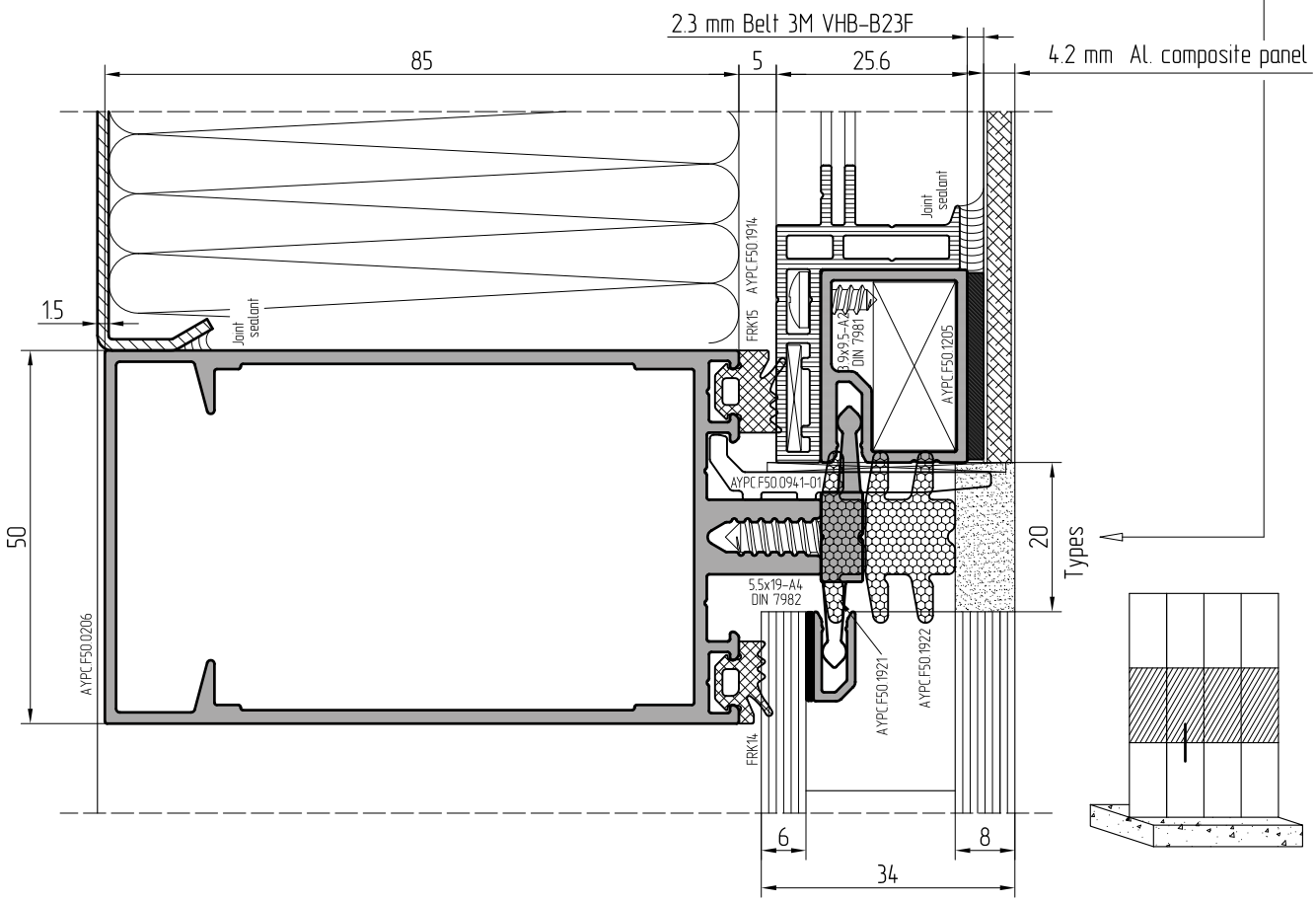
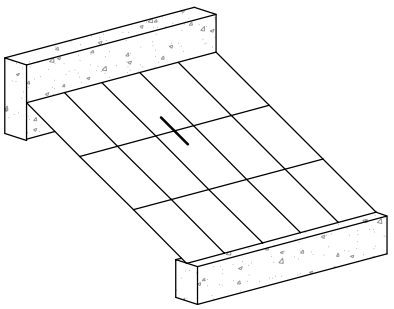
8
34

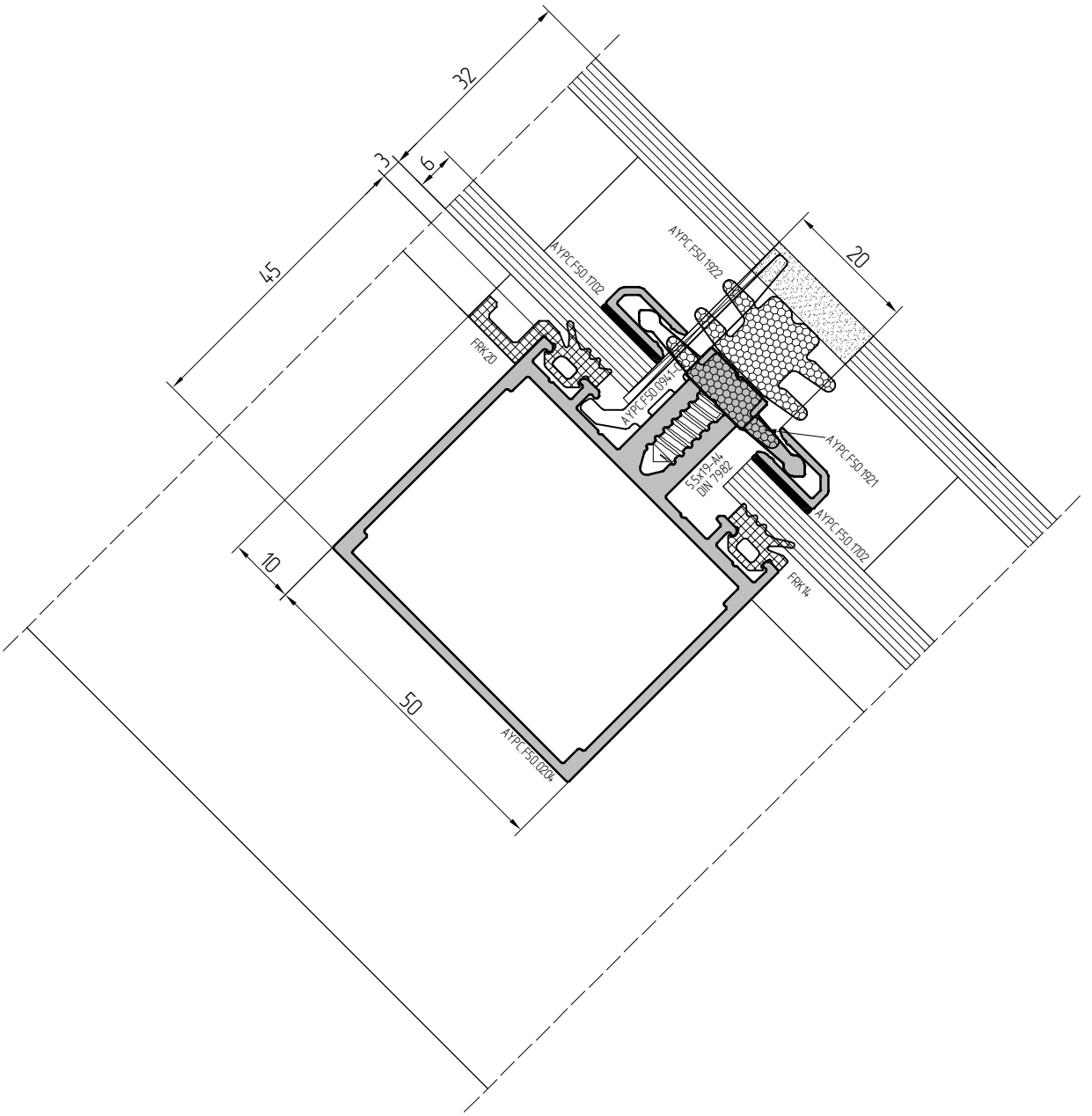
Scale 1:1


2.3 mm Belt 3M VHB-B23F
4.2 mm Al. composite panel
85
5
25.6
1.5
50
20
6
6
34
Joint sealant
AYPC F50.1914
FRK15
3.9x9.5-A2 DIN 7981
AYPC F50.1205
AYPC F50.0908
AYPC F50.0941-01
5.5x19-A4 DIN 7982
AYPC F50.0206
FRK14
AYPC F50.1702
AYPC F50.1921
AYPC F50.1922
Types


2.3 mm Belt 3M VHB-B23F
4.2 mm Al. composite panel
85
5
25.6
1.5
50
20
6
8
34
Joint sealant
AYPC F50.1914
FRK15
3.9x9.5-A2 DIN 7981
AYPC F50.1205
AYPC F50.0941-01
5.5x19-A4 DIN 7982
AYPC F50.0206
FRK14
AYPC F50.1921
AYPC F50.1922
Types

Scale 1:1

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AYPLF50 1702
AYPLF50 1922
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AYPLF50 1702
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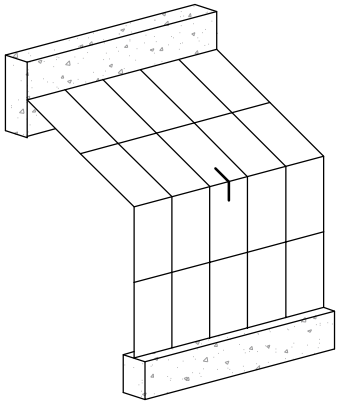
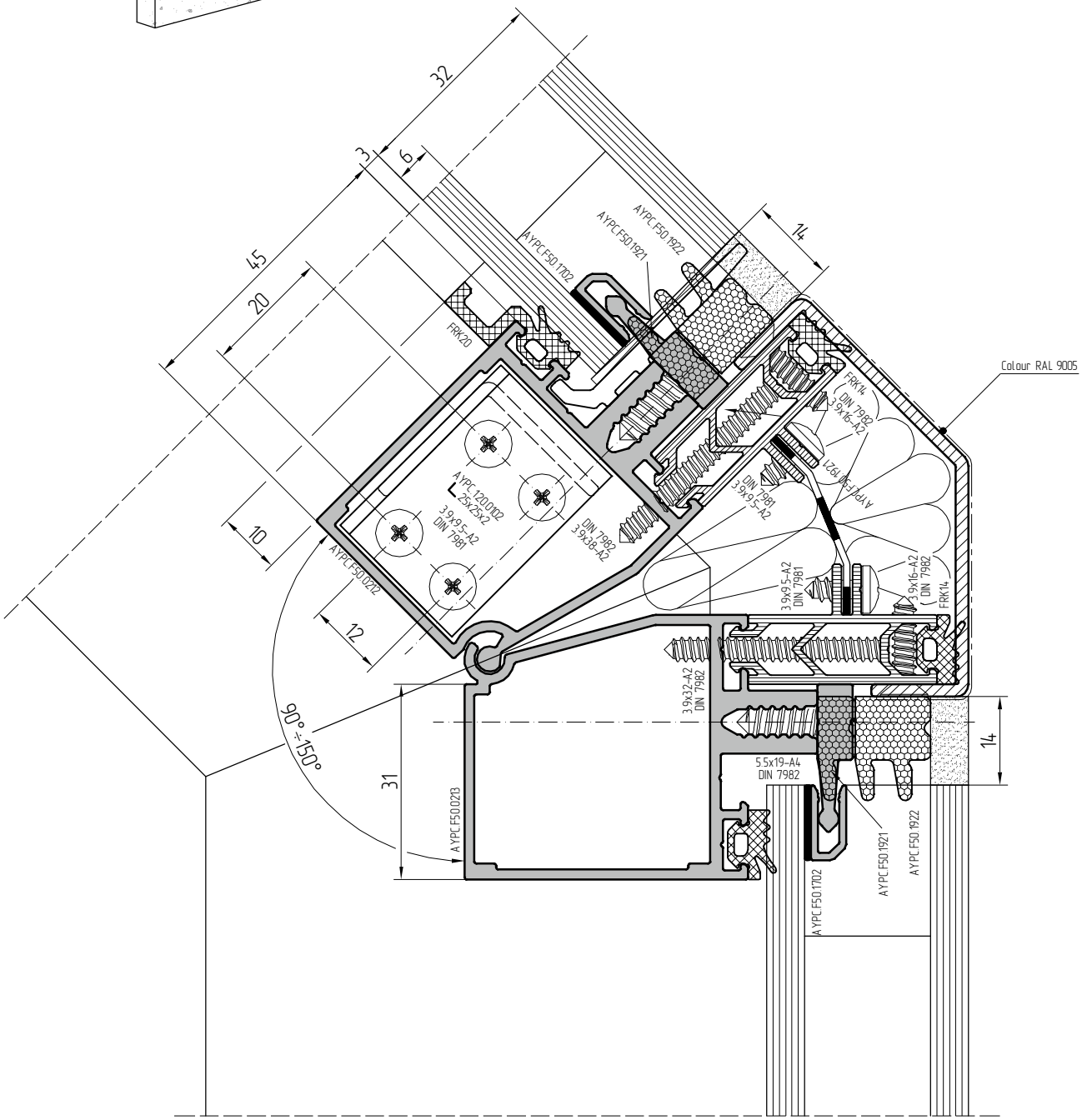
FRK20
FRK14
5,5X19-A4
DIN 7982

Scale 1:1




32
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10
12
14
90°÷150°
31
AYPC F50 1922
AYPC F50 1921
AYPC F50 1702
FRK20
AYPC 1200102
25X25X2
3,9X9,5-A2
DIN 7981
DIN 7982
3,9X38-A2
AYPC F50 0212
Colour RAL 9005
FRK14
DIN 7982
3,9X16-A2
AYPC F50 1921
DIN 7981
3,9X9,5-A2
3,9X16-A2
DIN 7982
FRK14
3,9X32-A2
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DIN 7982
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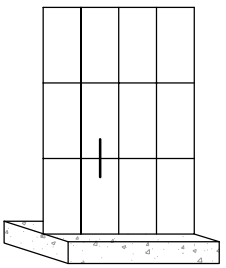
AYPC F50 1702
AYPC F50 1921
AYPC F50 1922

Scale 1:1



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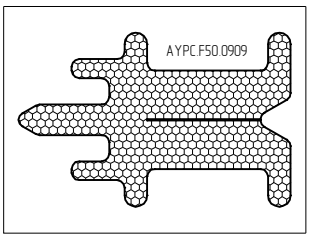

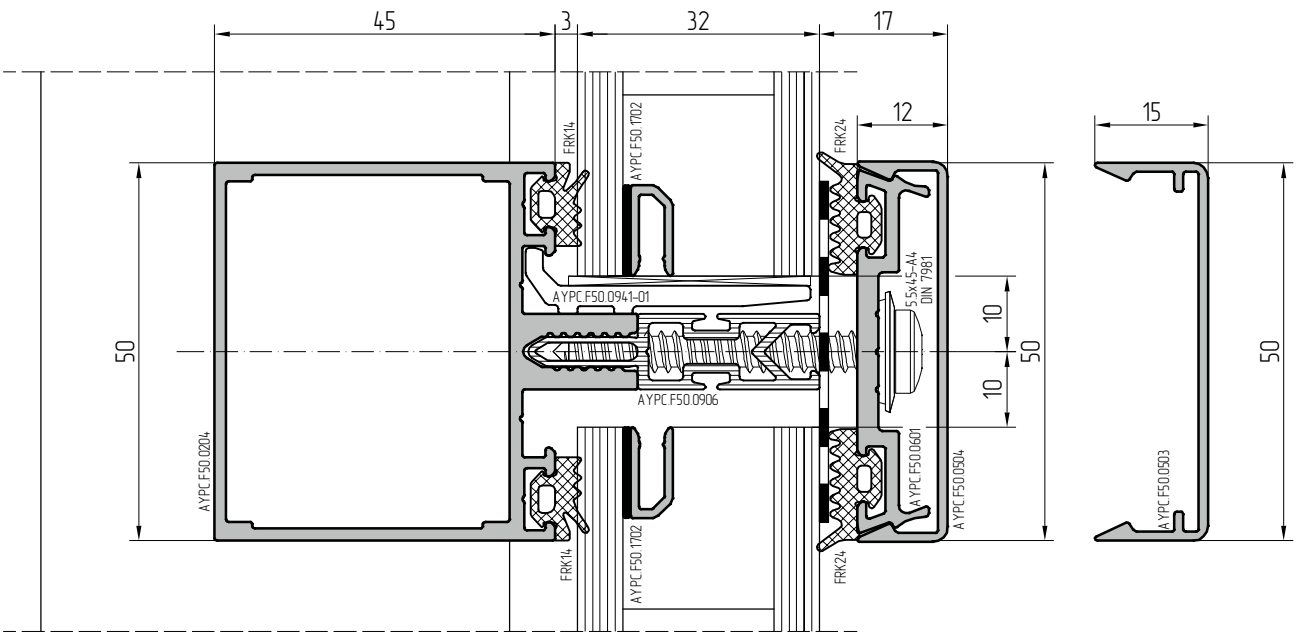

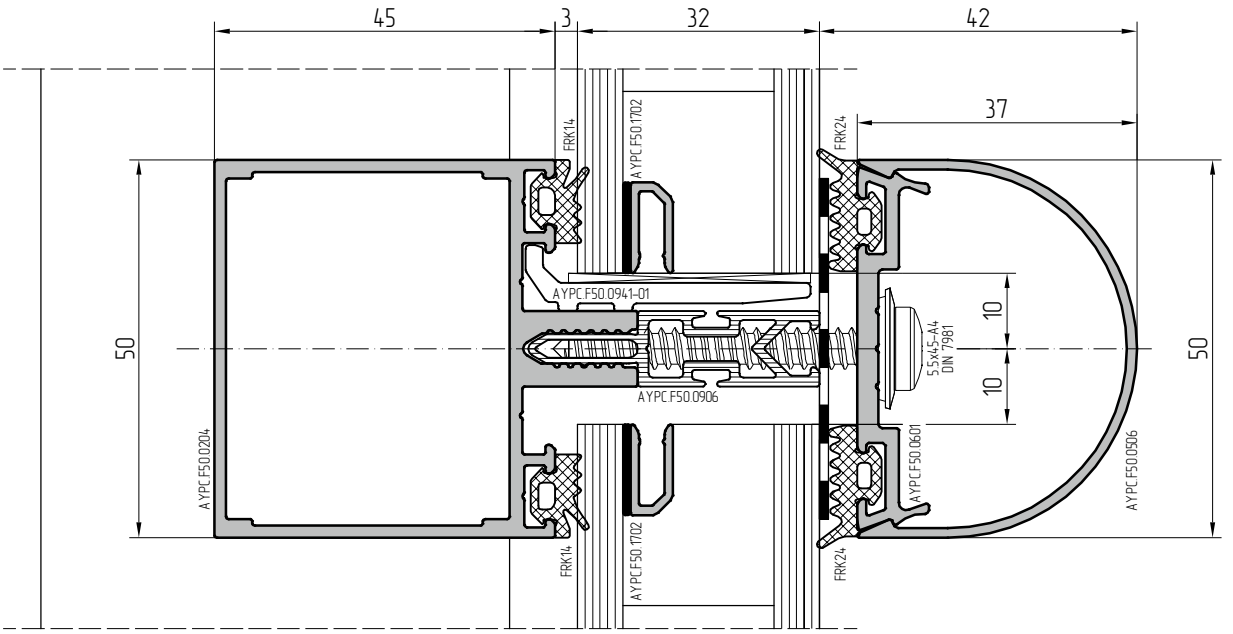

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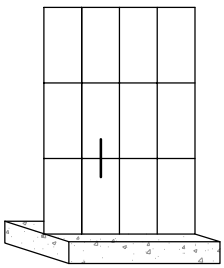

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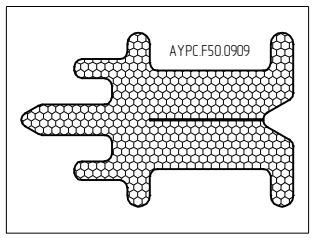

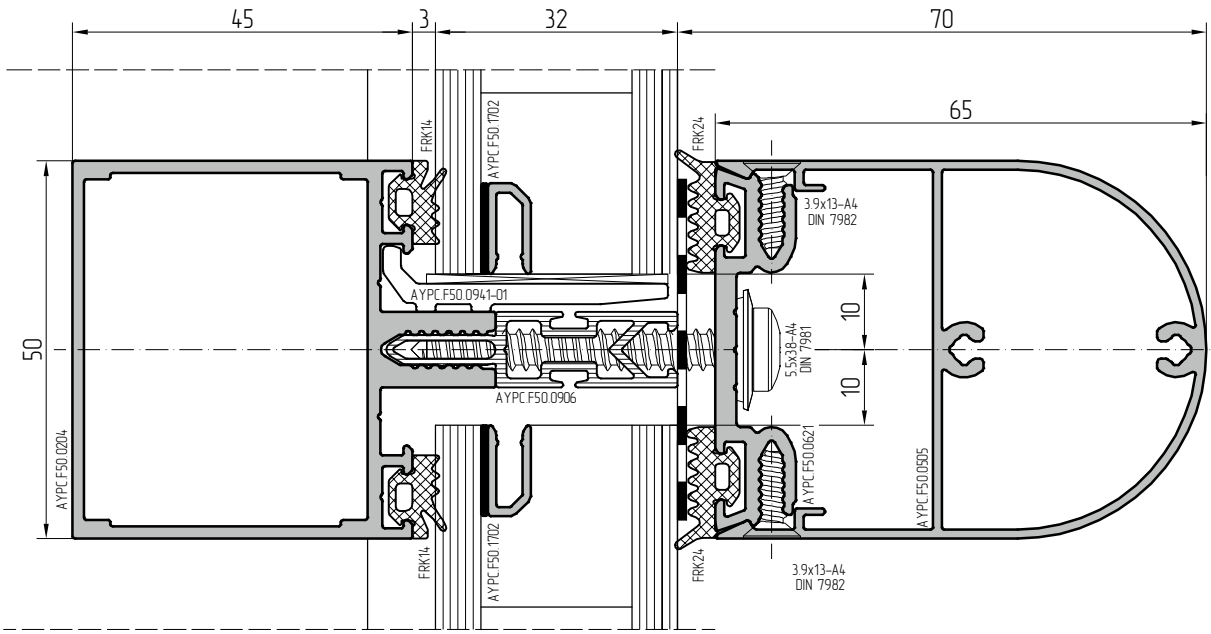

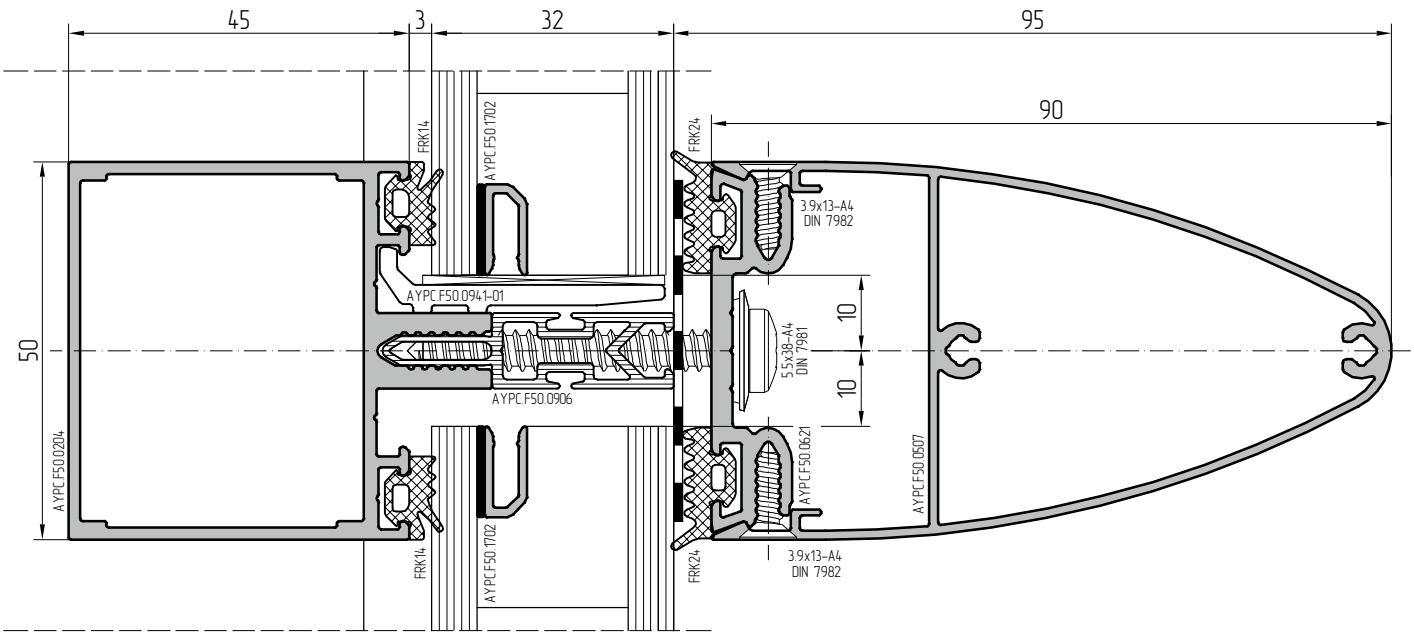

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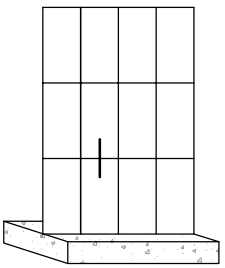

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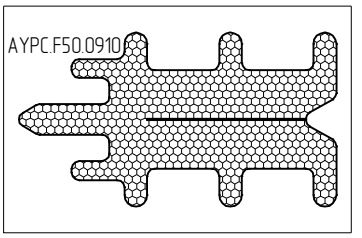
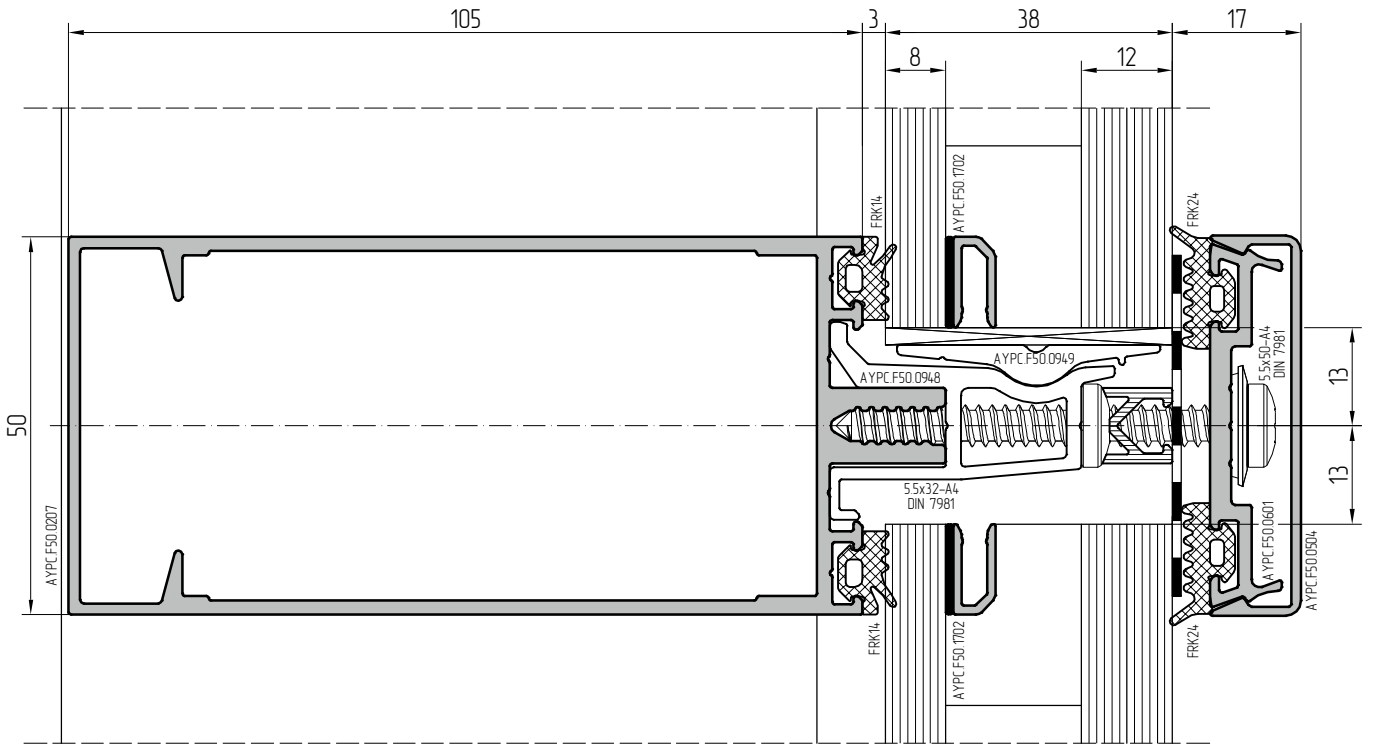
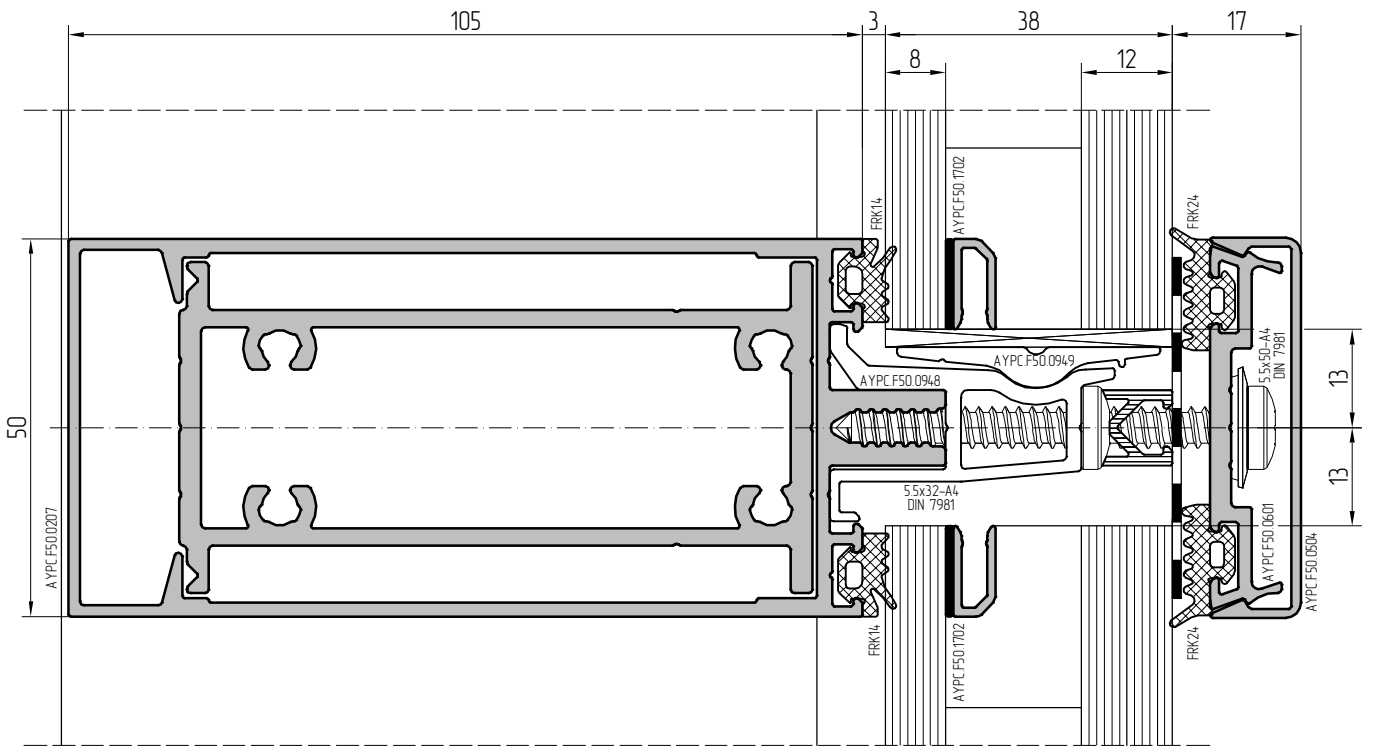
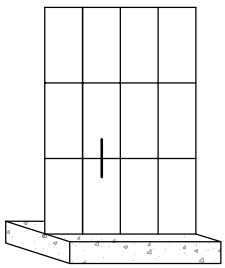
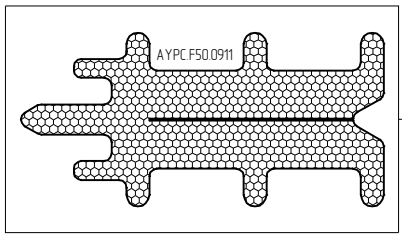


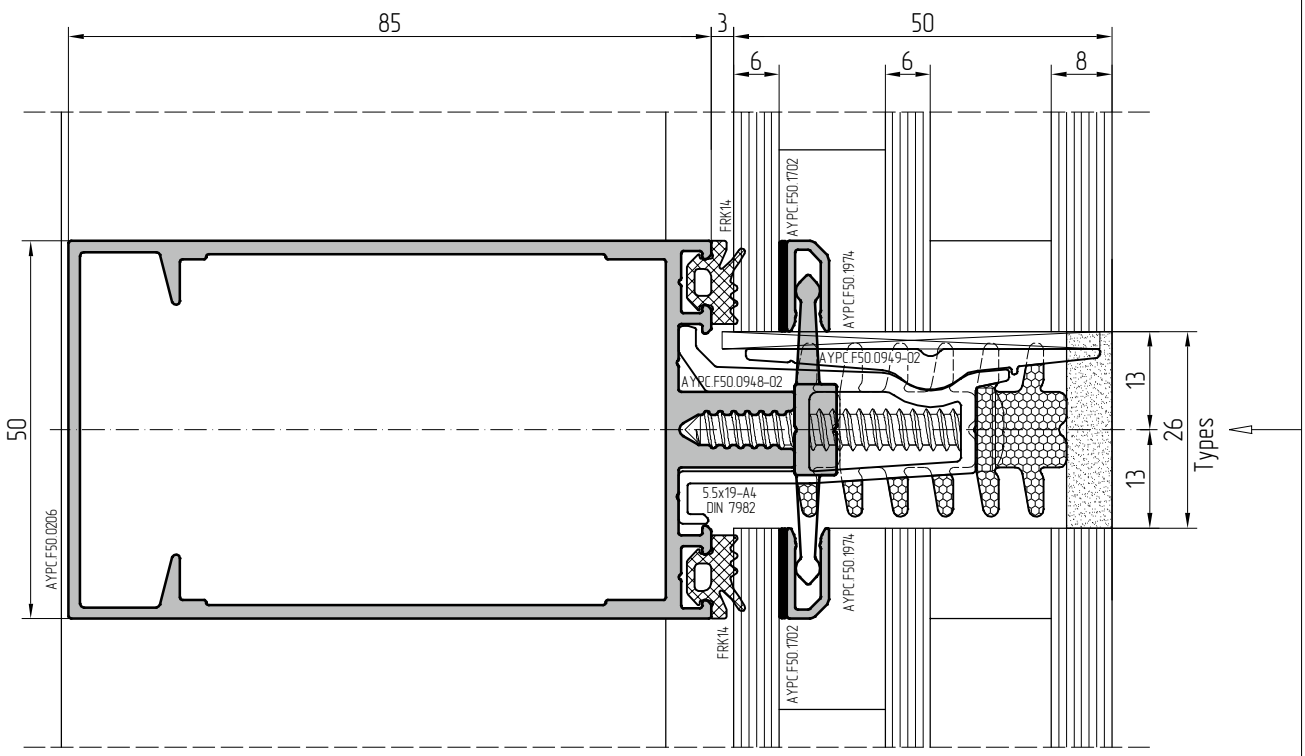




Scale 1:1




AYPC F50.0911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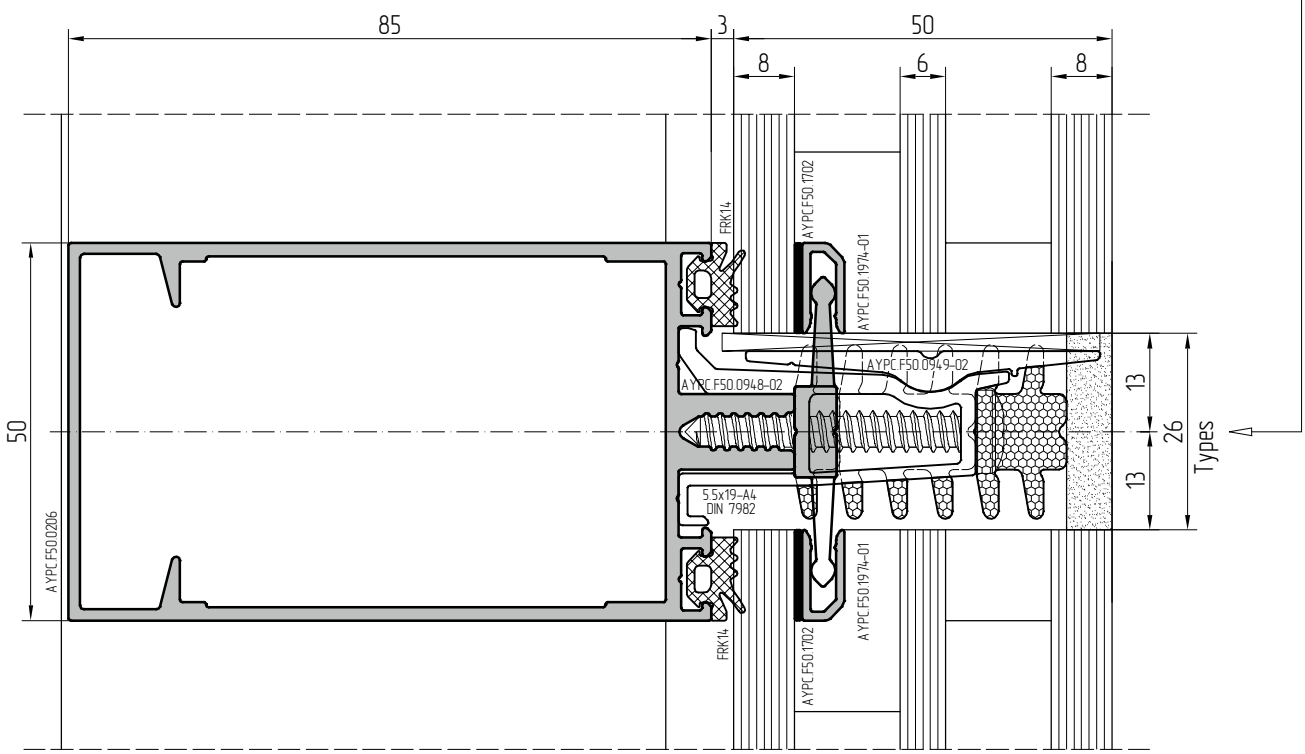
FRK14
AYPC F50.1702
AYPC F50.1974
AYPC F50.0949-02
AYPC F50.0948-02
5.5x19-A4
DIN 7982
13
26
13
Types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FRK14
AYPC F50.1702
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5.5x19-A4
DIN 7982
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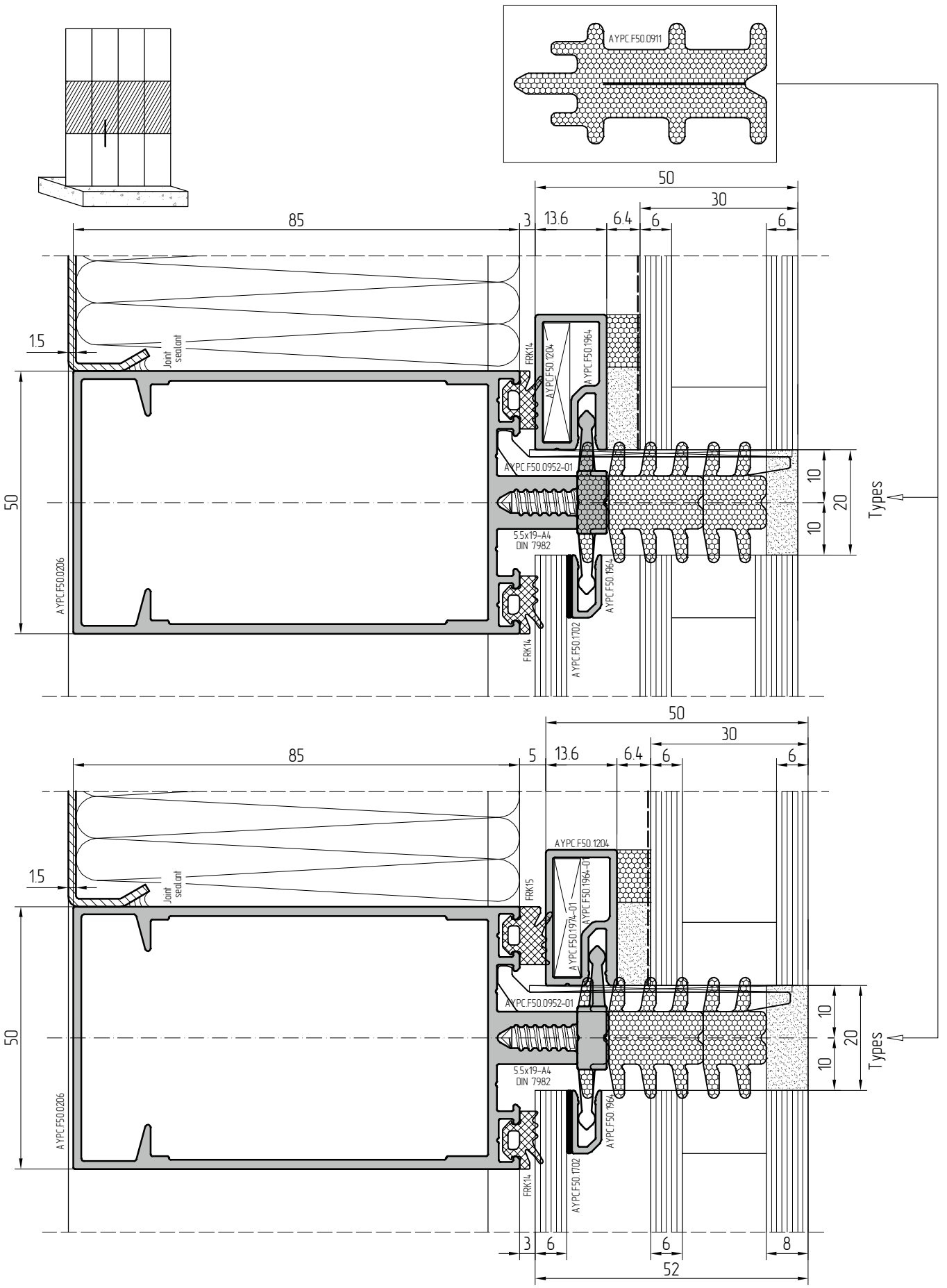
26
13
Types

Scale 1:1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6.4
6
6
1.5
Joint sealant
FRK14
AYPC F50.1204
AYPC F50.1964
AYPC F50.0952-01
10
20
10
Types
50
AYPC F50.0206
5.5x19-A4 DIN 7982
AYPC F50.1964
FRK14
AYPC F50.1702
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30
85
5
13.6
6.4
6
6
AYPC F50.1204
1.5
Joint sealant
FRK15
AYPC F50.1964-01
AYPC F50.1974-01
AYPC F50.0952-01
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Types
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FRK14
AYPC F50.1702
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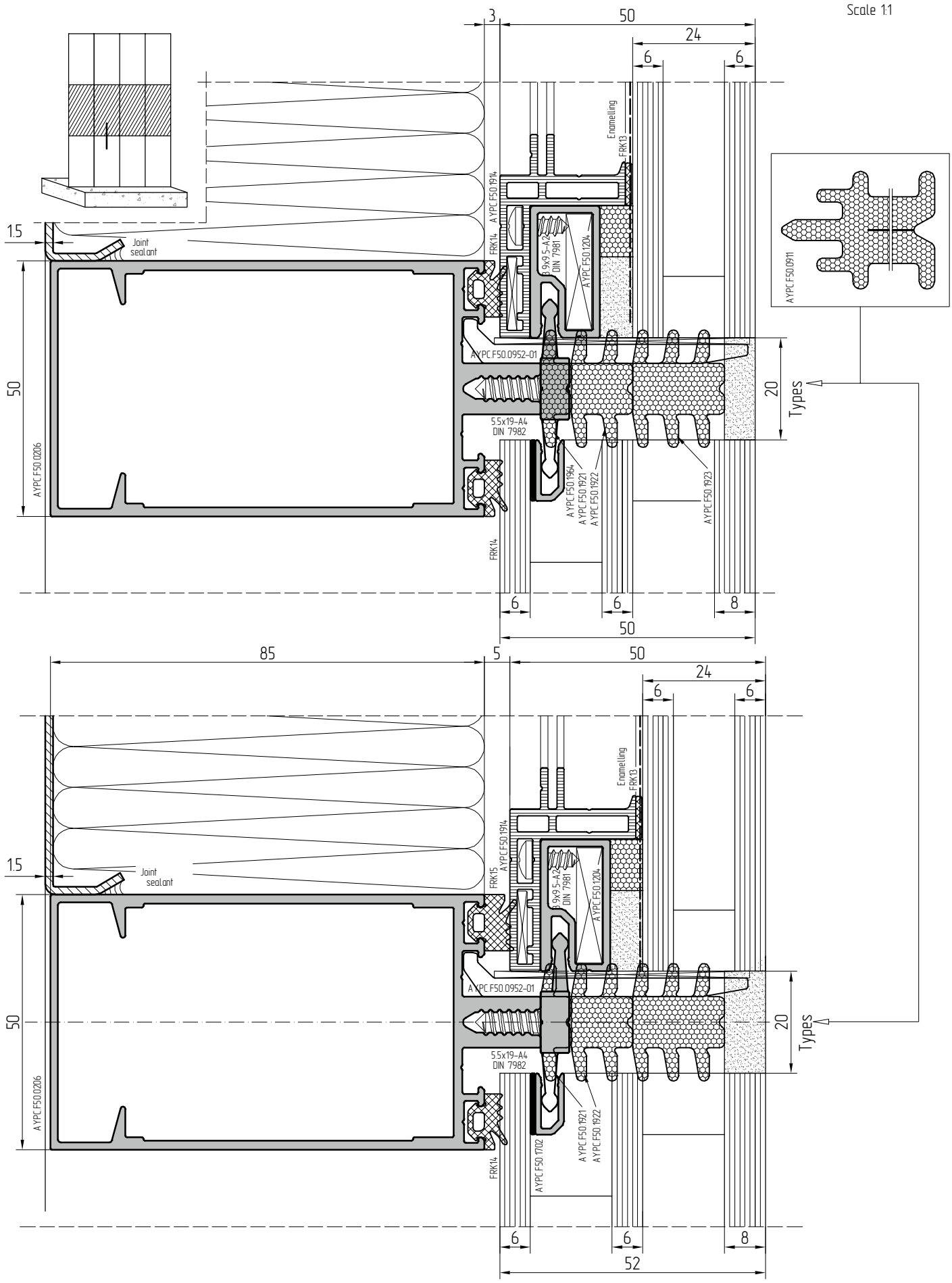
8
52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24
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Enamelling
FRK13
AYPC F50.1914
FRK14
9.9x9.5-A2
DIN 7981
AYPC F50.1204
AYPC F50.0911
15
Joint
sealant
AYPC F50.0952-01
50
20
Types
5.5x19-A4
DIN 7982
AYPC F50.0206
AYPC F50.1964
AYPC F50.1921
AYPC F50.1922
AYPC F50.1923
FRK14
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8
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85
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50
24
6
6
Enamelling
FRK13
AYPC F50.1914
FRK15
9.9x9.5-A2
DIN 7981
AYPC F50.1204
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Joint
sealant
AYPC F50.0952-01
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Types
5.5x19-A4
DIN 7982
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AYPC F50.1921
AYPC F50.1922
AYPC F50.1702
FRK14
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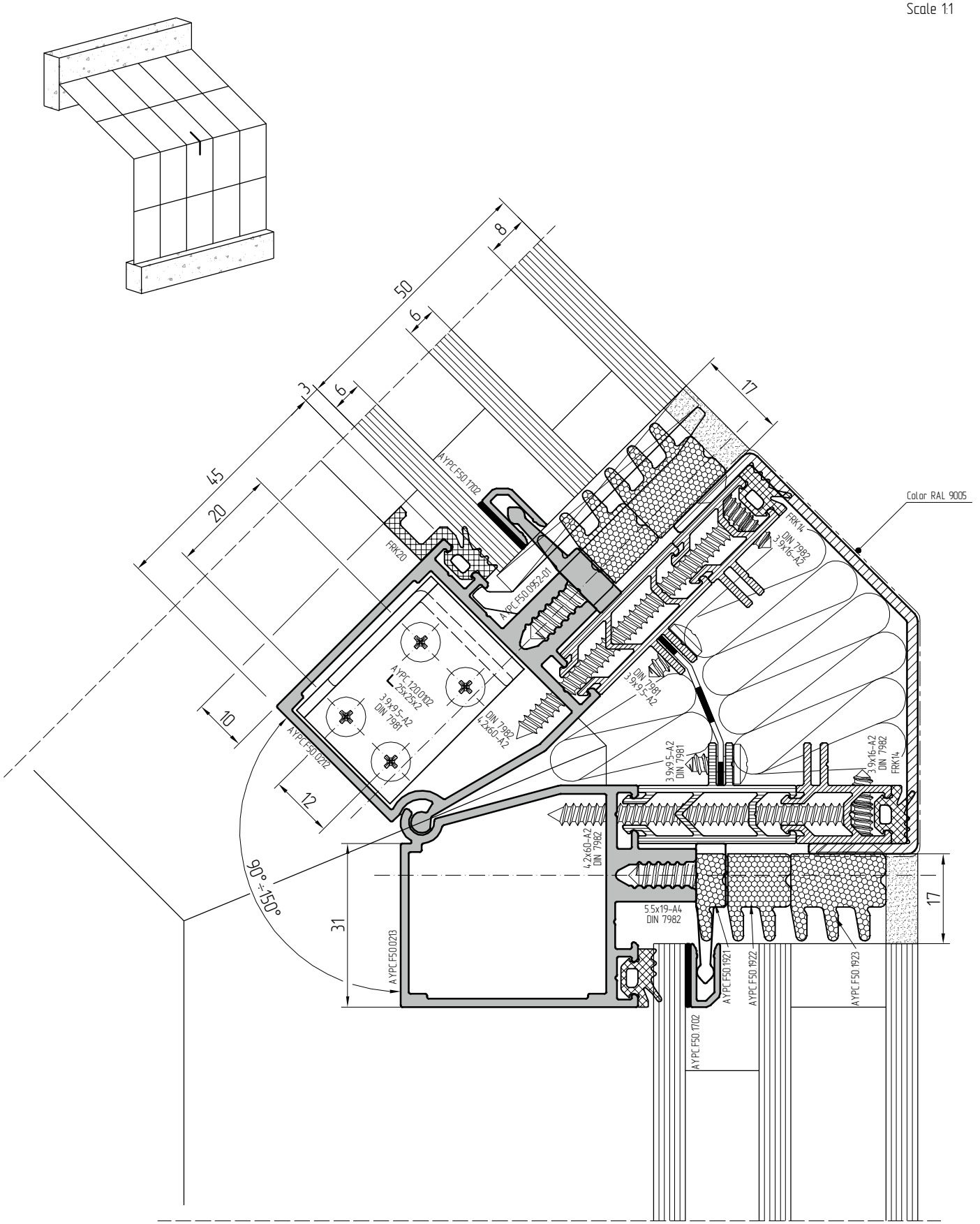
8
52

Scale 1:1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10
12
90° ÷ 150°
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17
AYPC F50 1702
FRK20
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AYPC-1200102 25X25X2 3.9X9.5-A2 DIN 7981
DIN 7982 4.2X60-A2
AYPC F50 0212
DIN 7981 3.9X9.5-A2
3.9X9.5-A2 DIN 7981
3.9X16-A2 DIN 7982 FRK14
FRK14
DIN 7982 3.9X16-A2
Color RAL 9005
4.2X60-A2 DIN 7982
5.5X19-A4 DIN 7982
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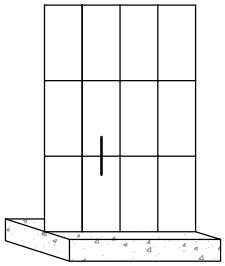
AYPC F50 1921
AYPC F50 1922
AYPC F50 1923
AYPC F50 1702

Scale 1:1



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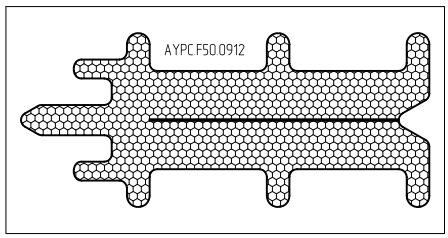

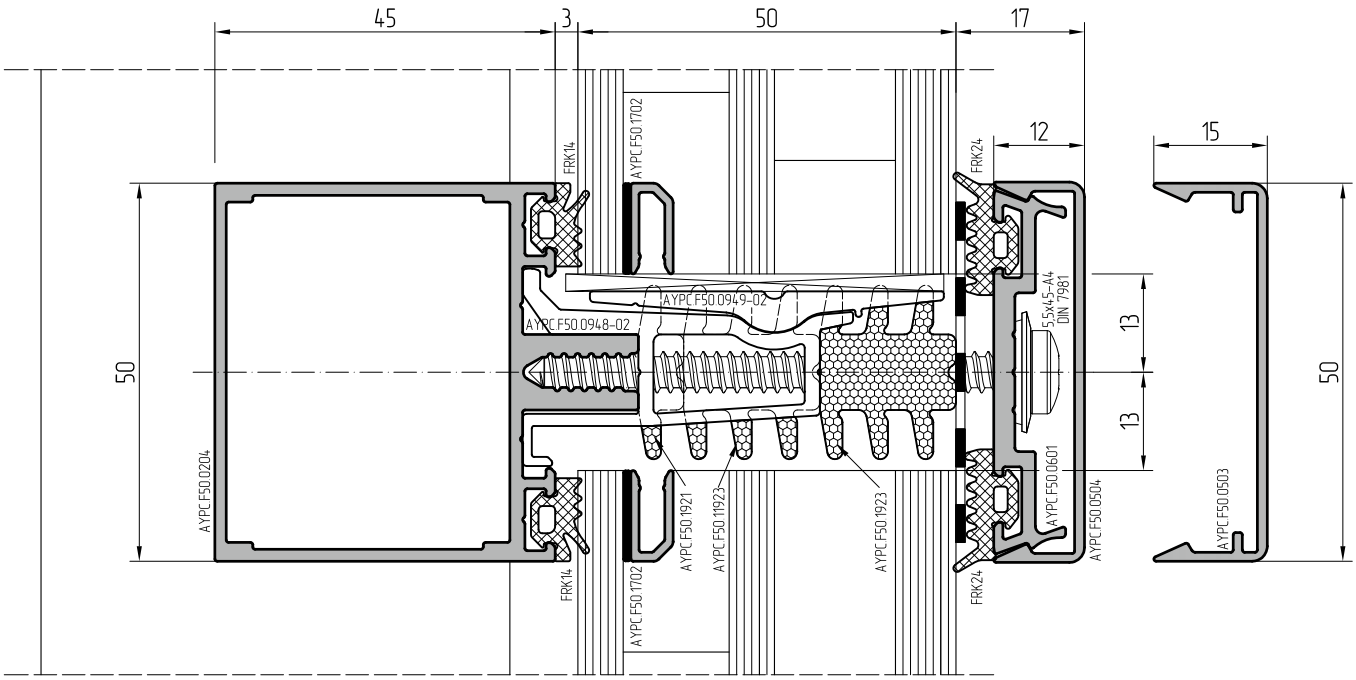

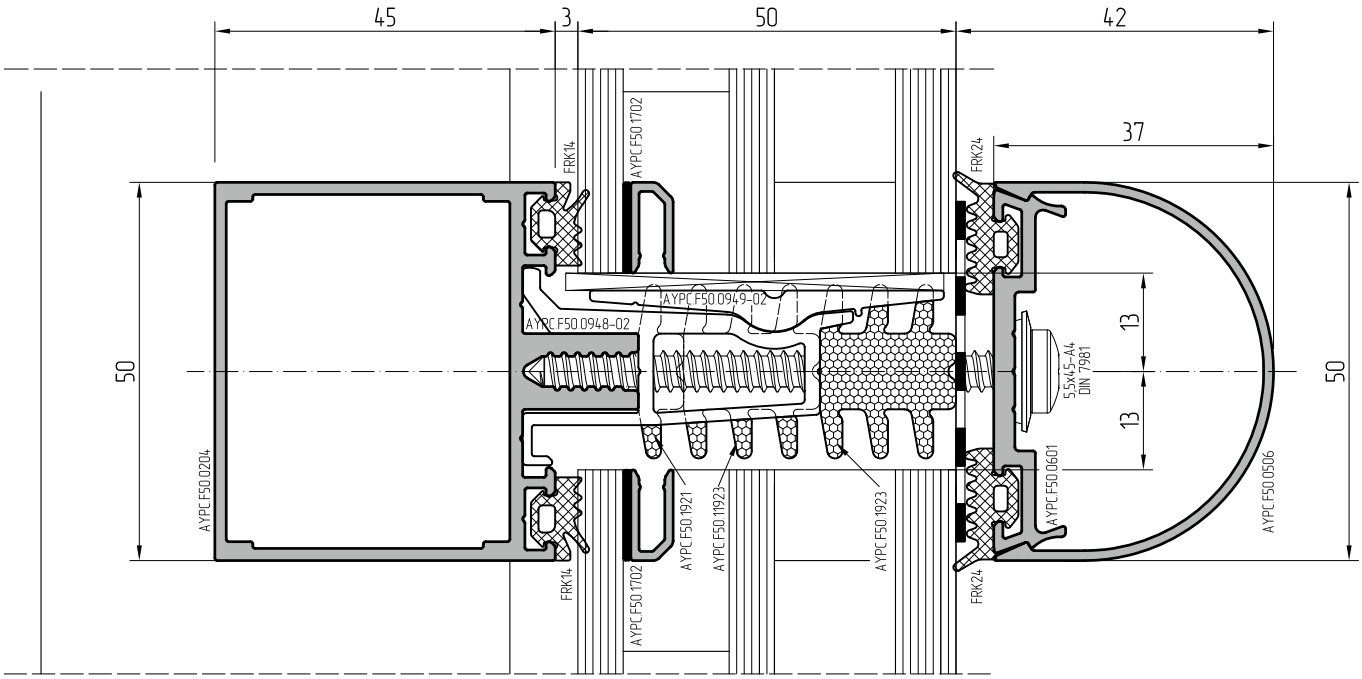

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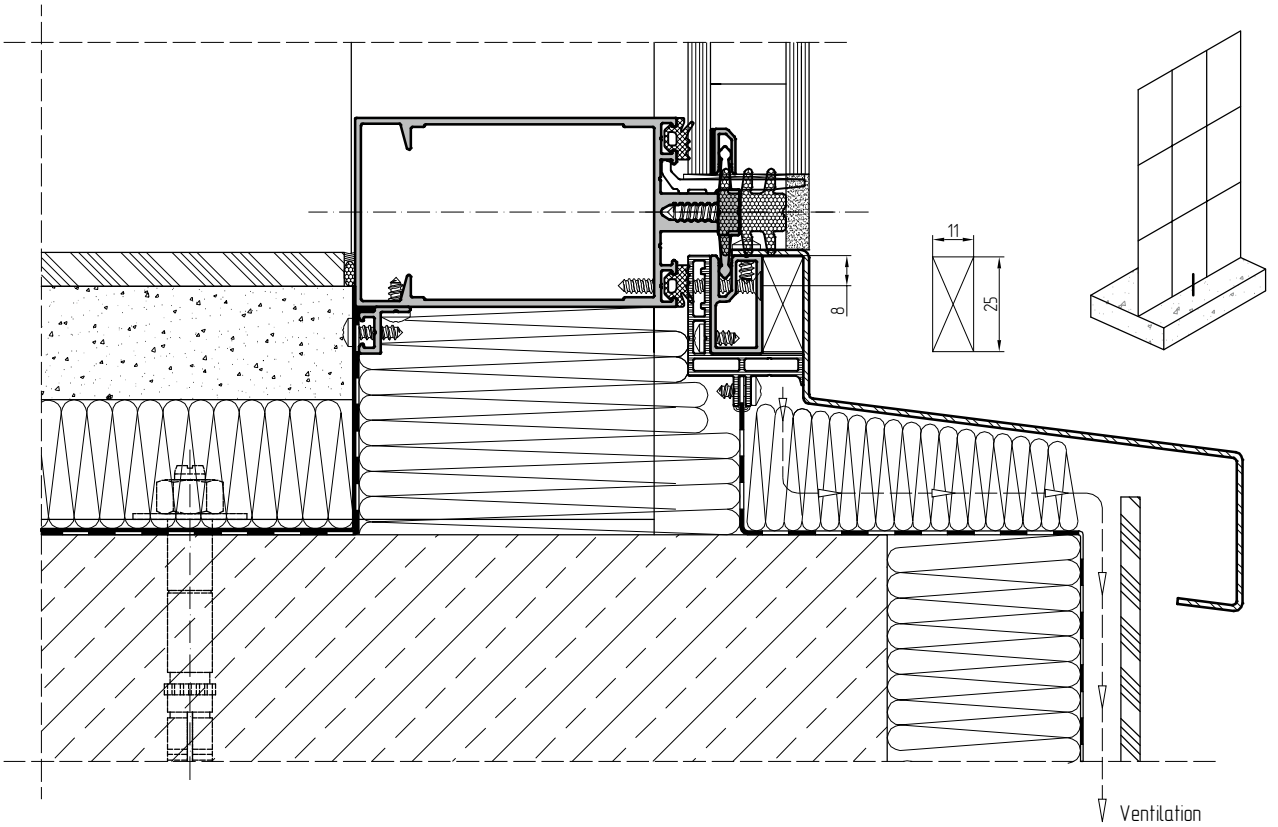
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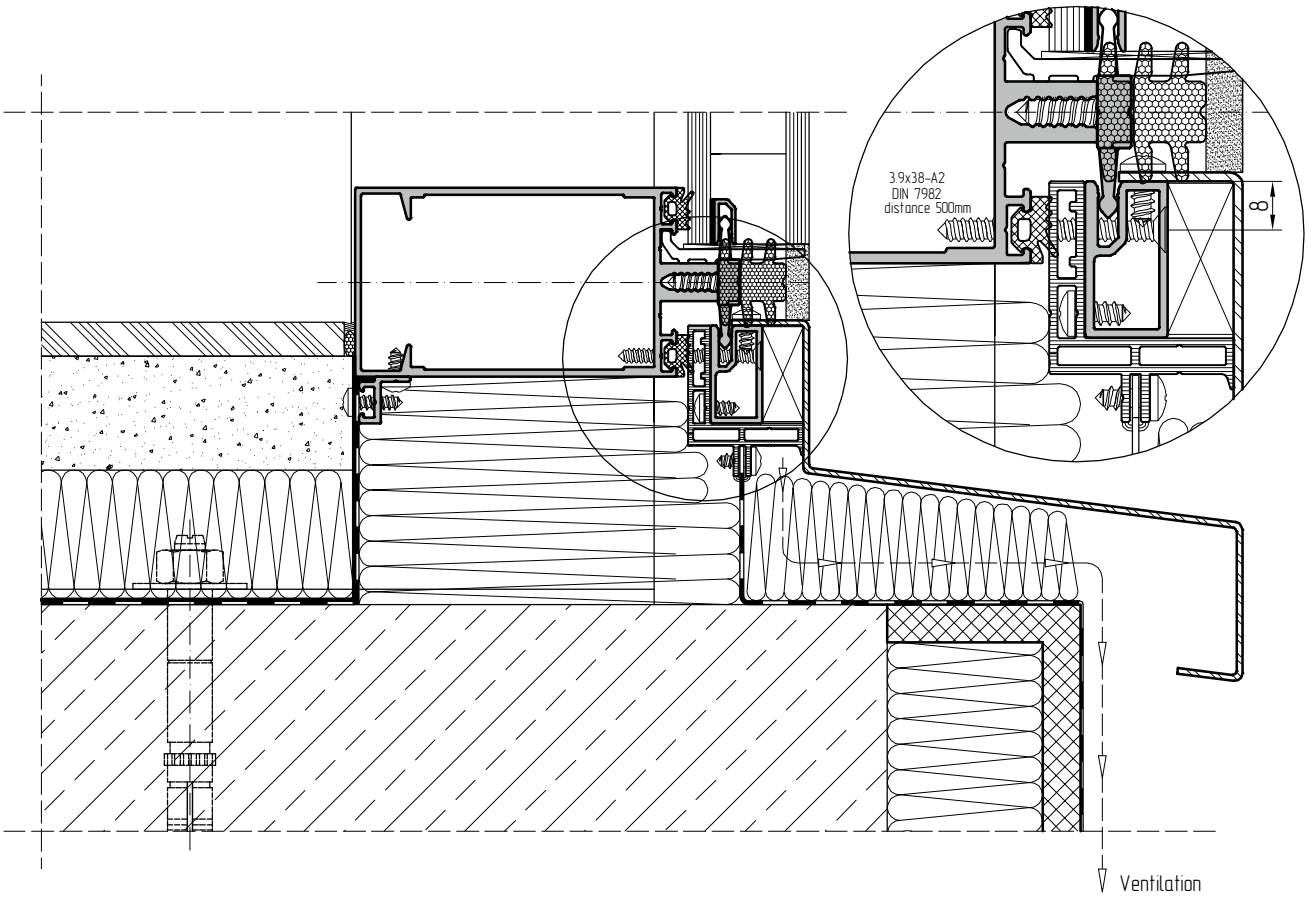
Ventilation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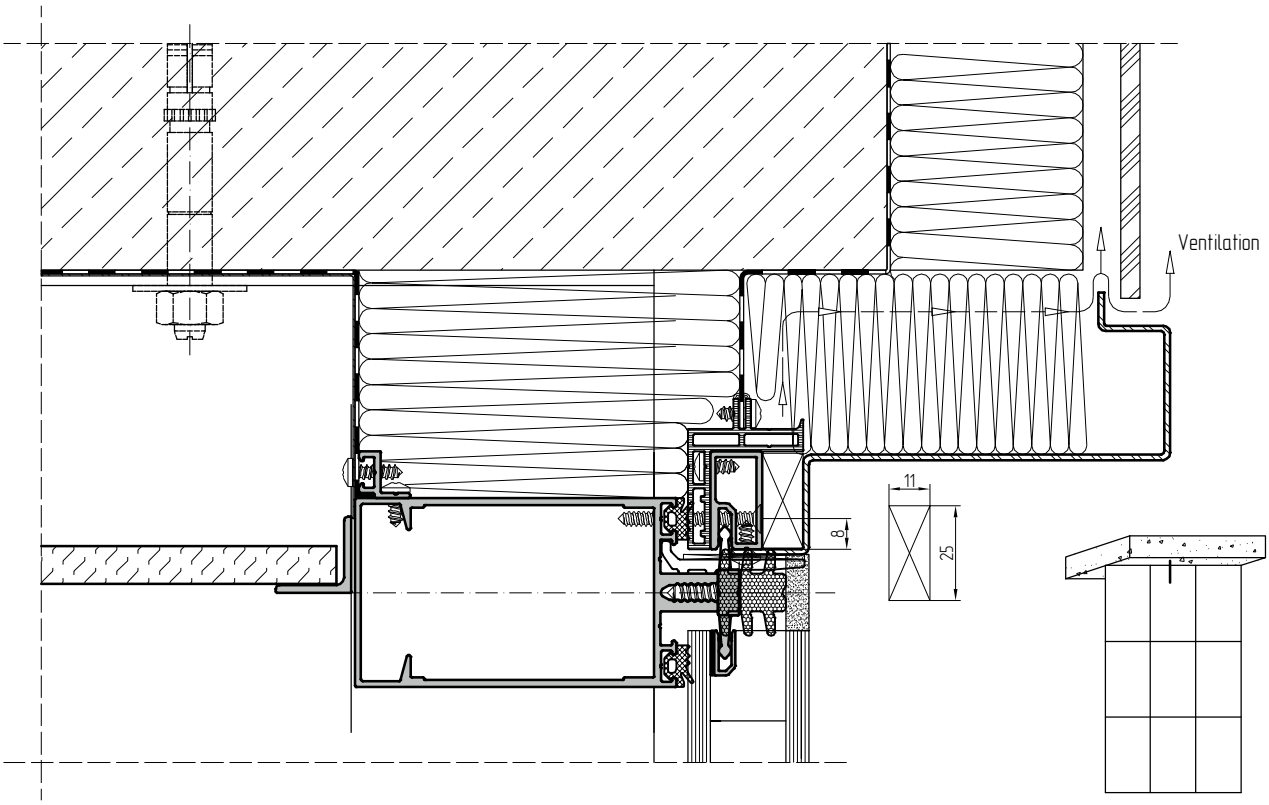
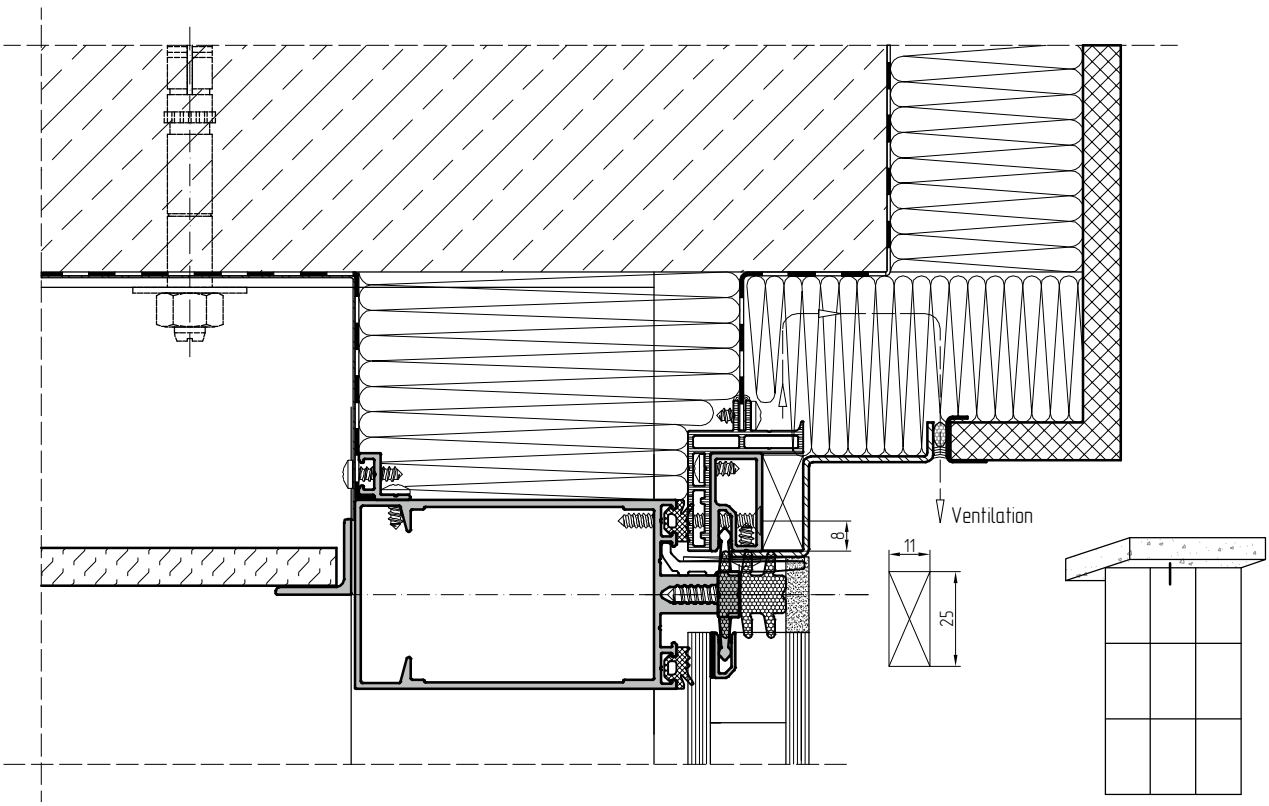
Ventilation

Scale 1:2





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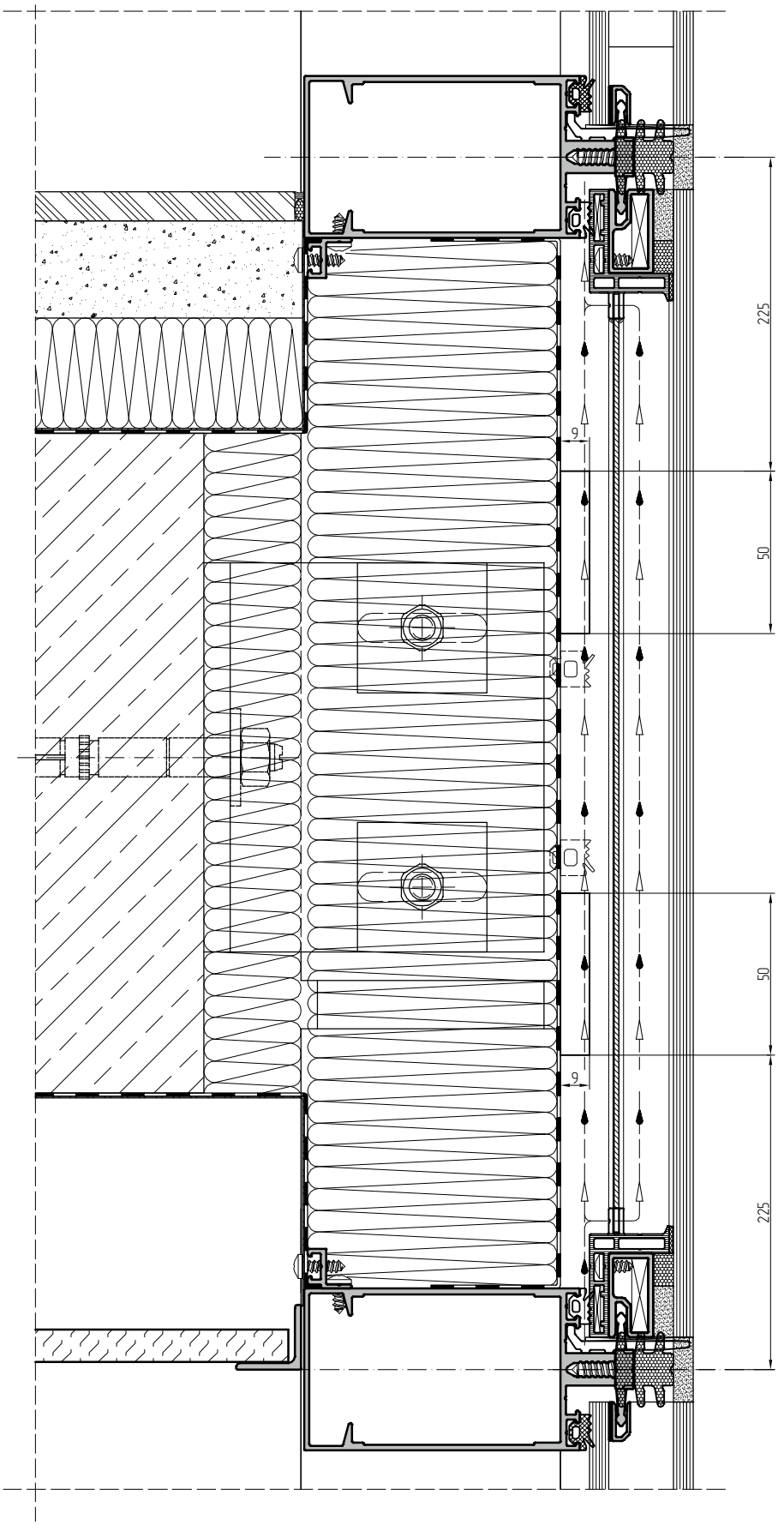

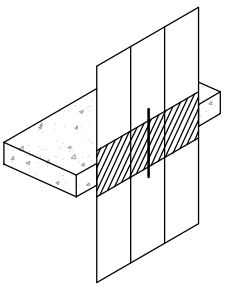

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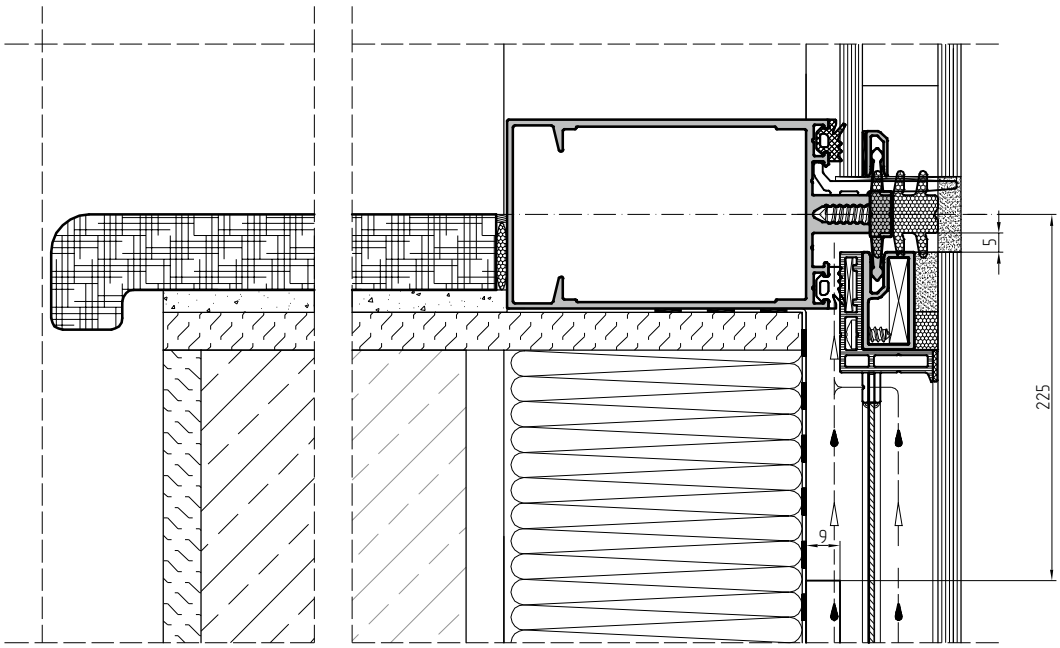

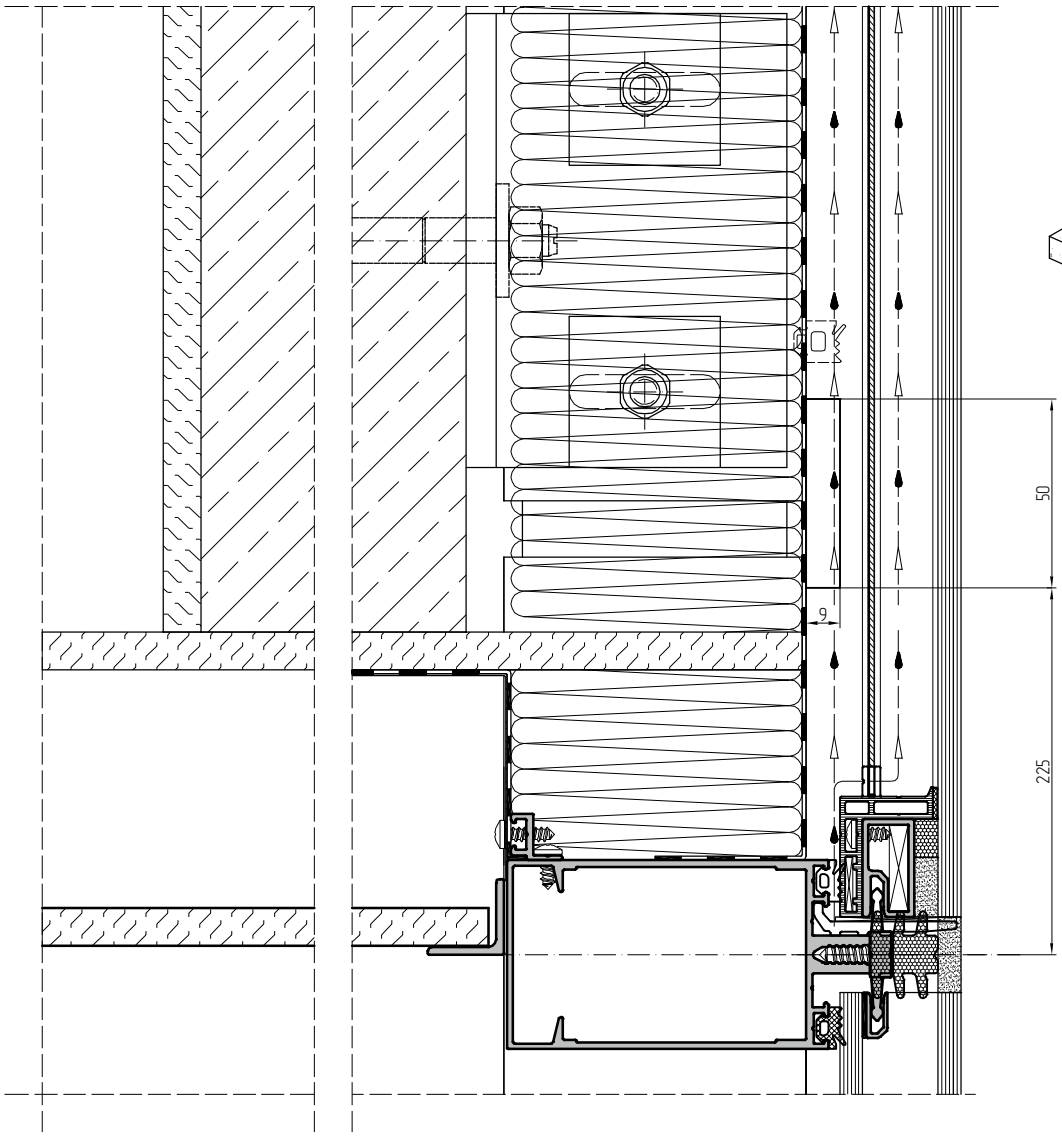

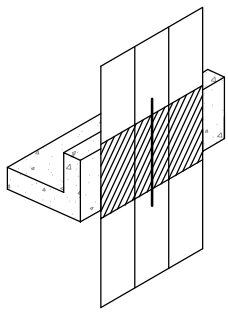

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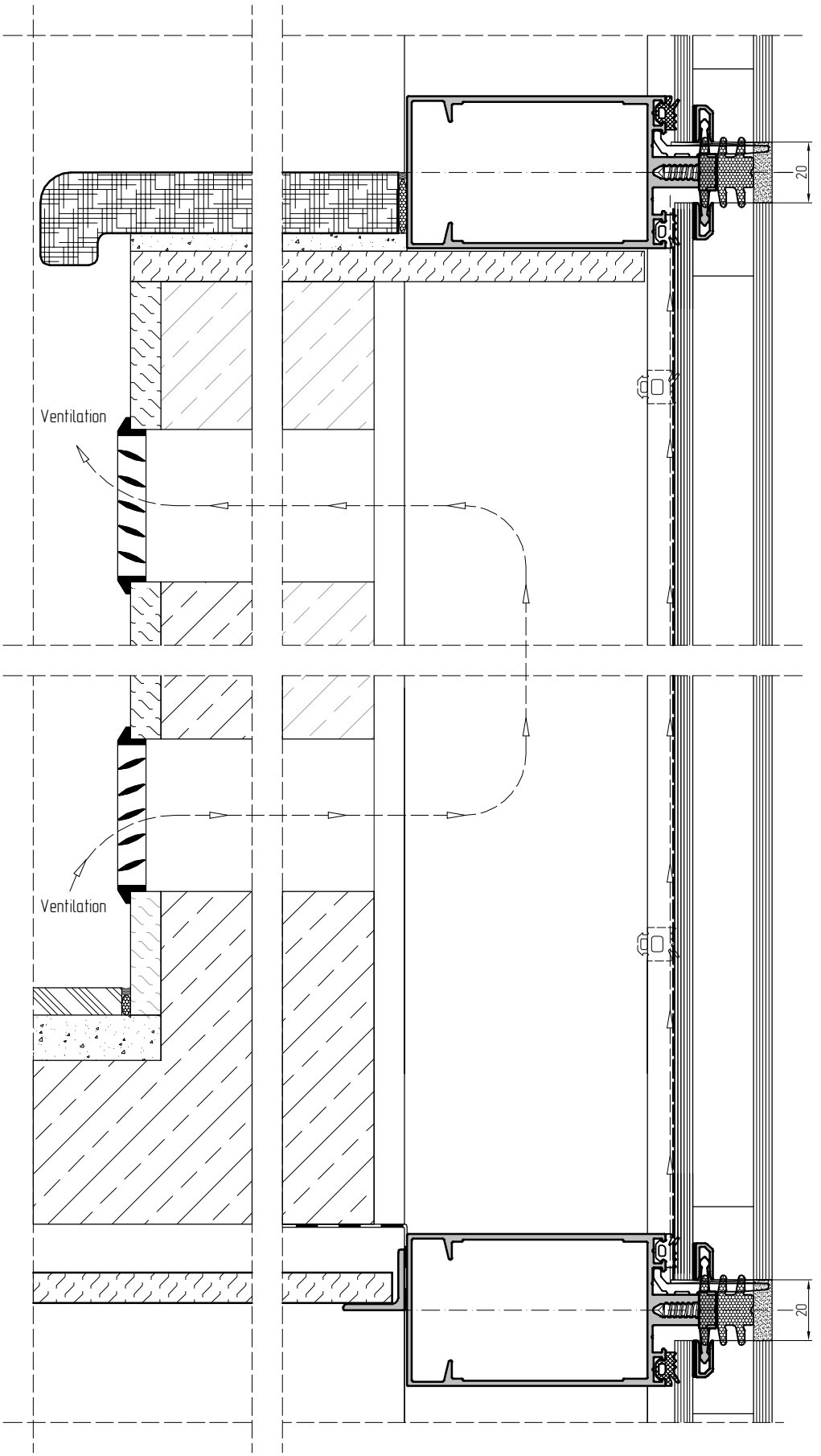

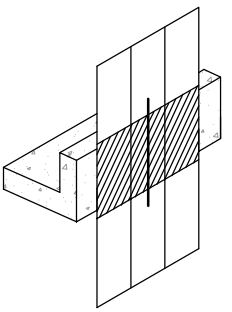

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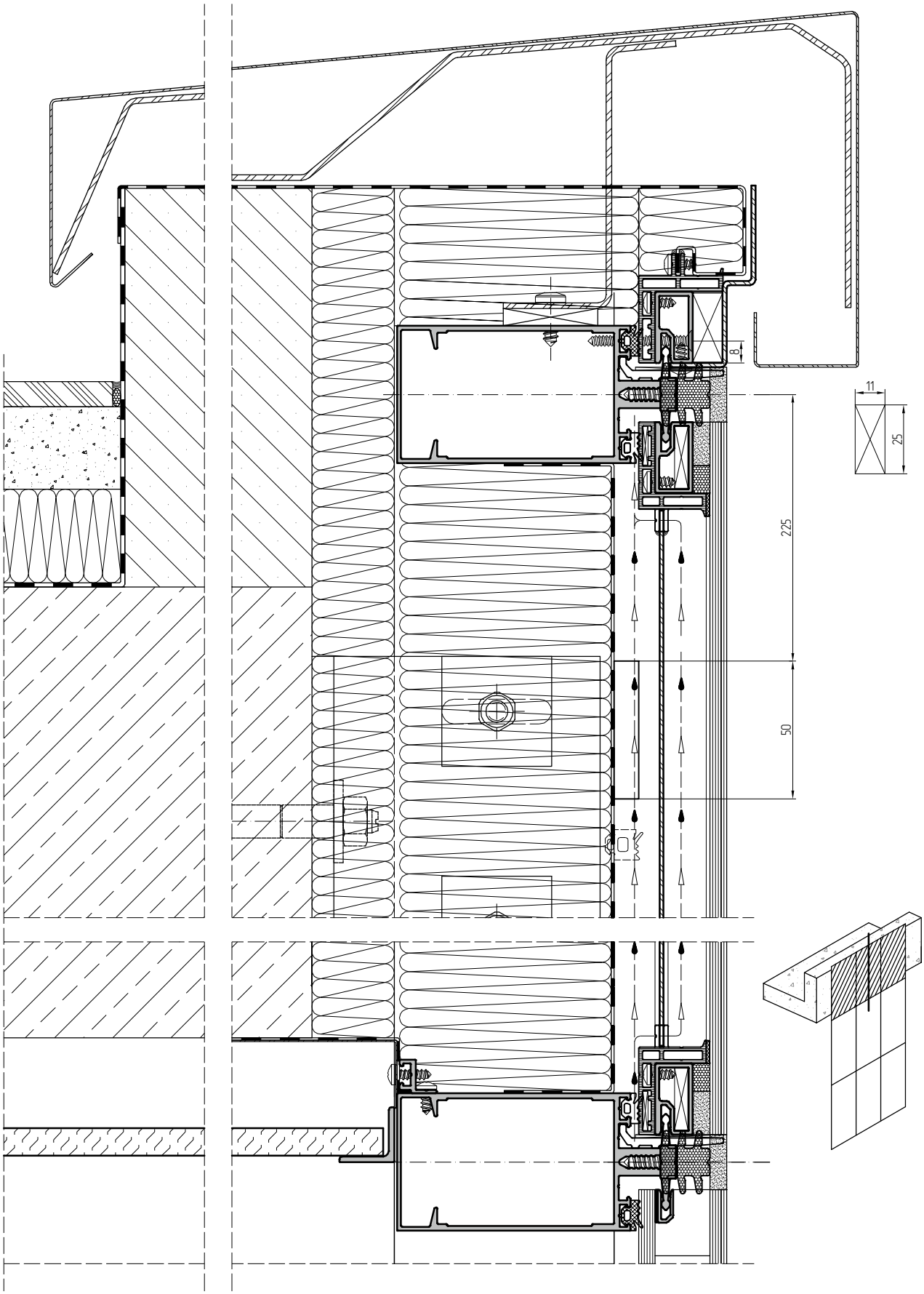

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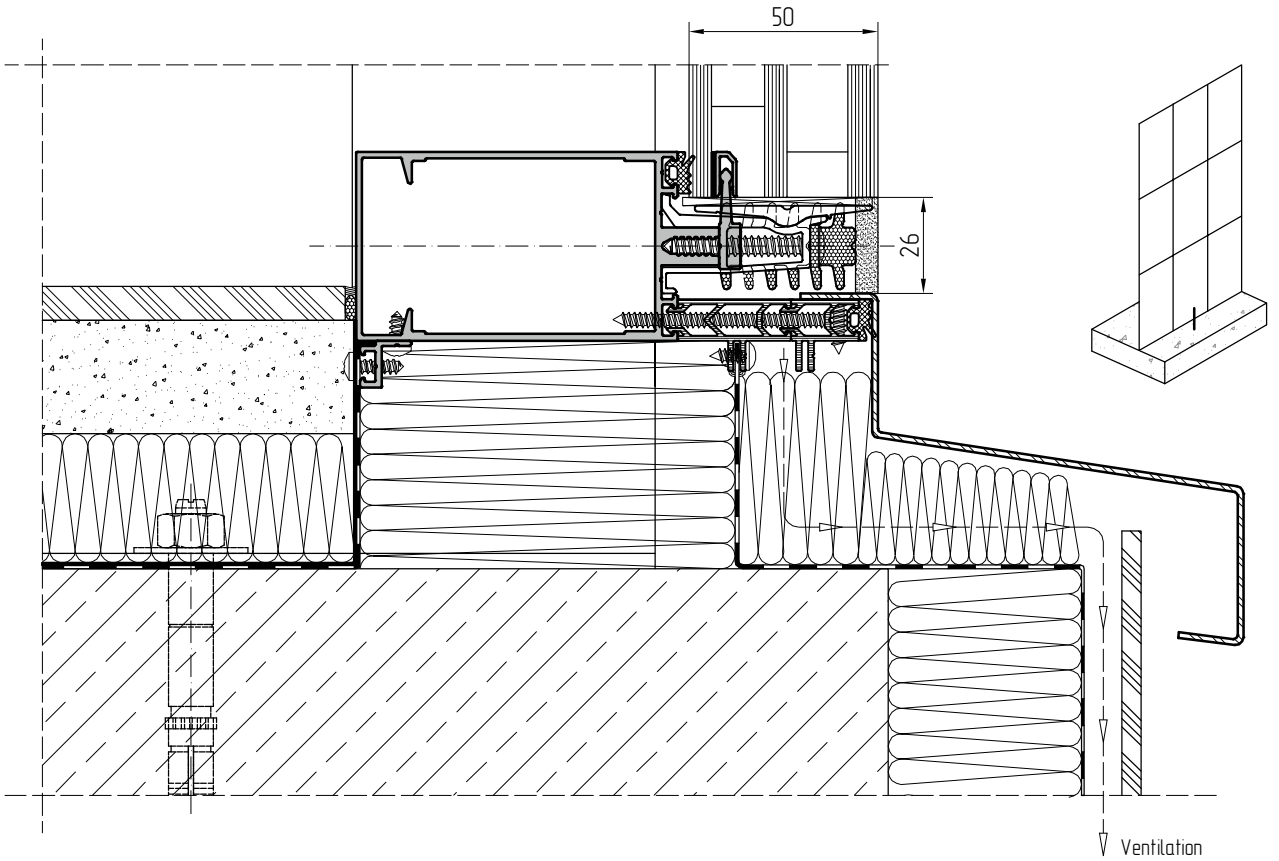

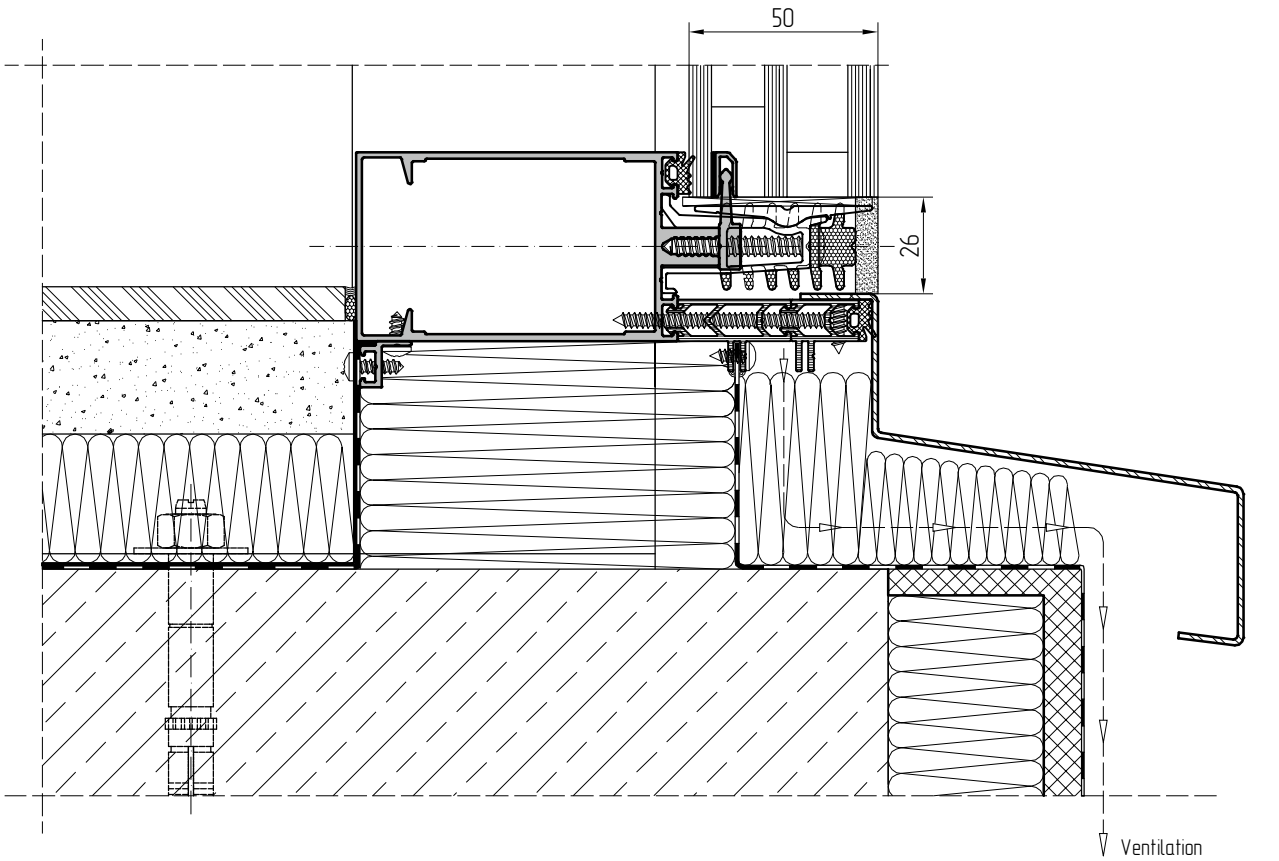

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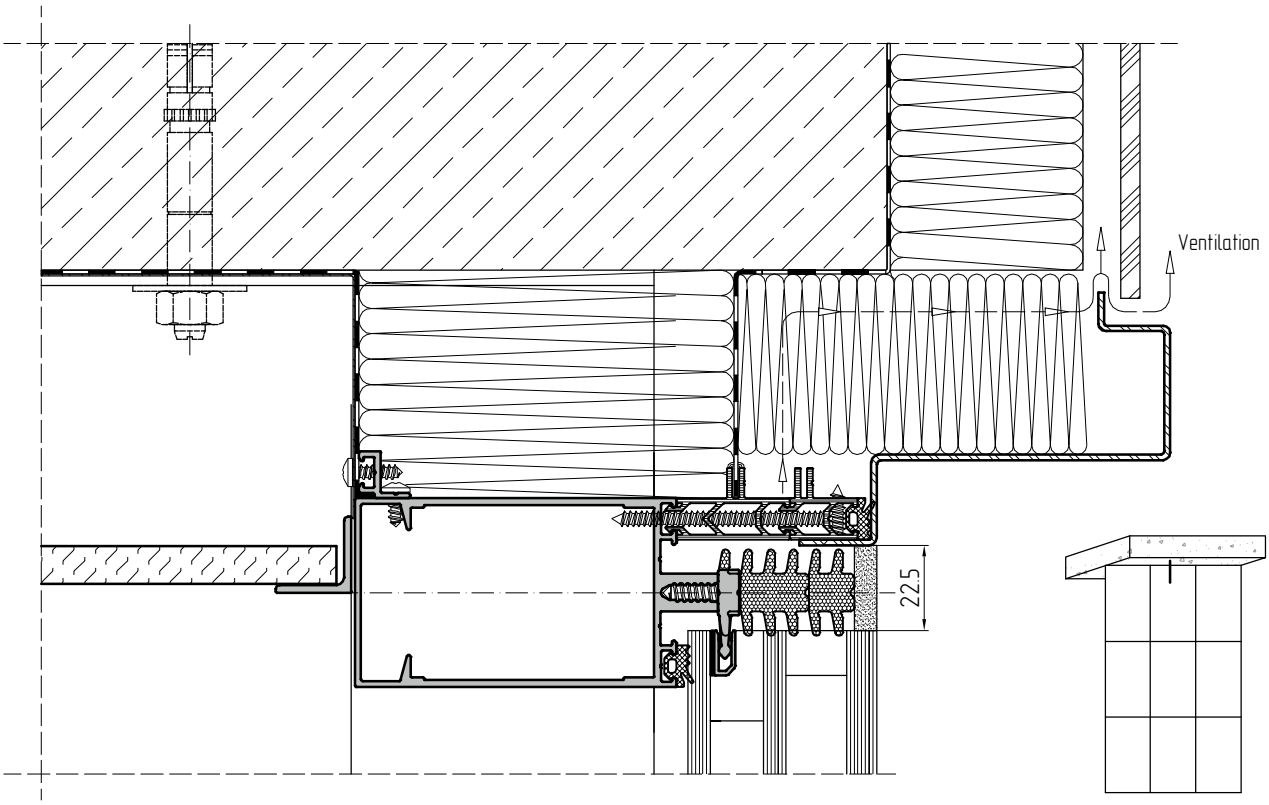

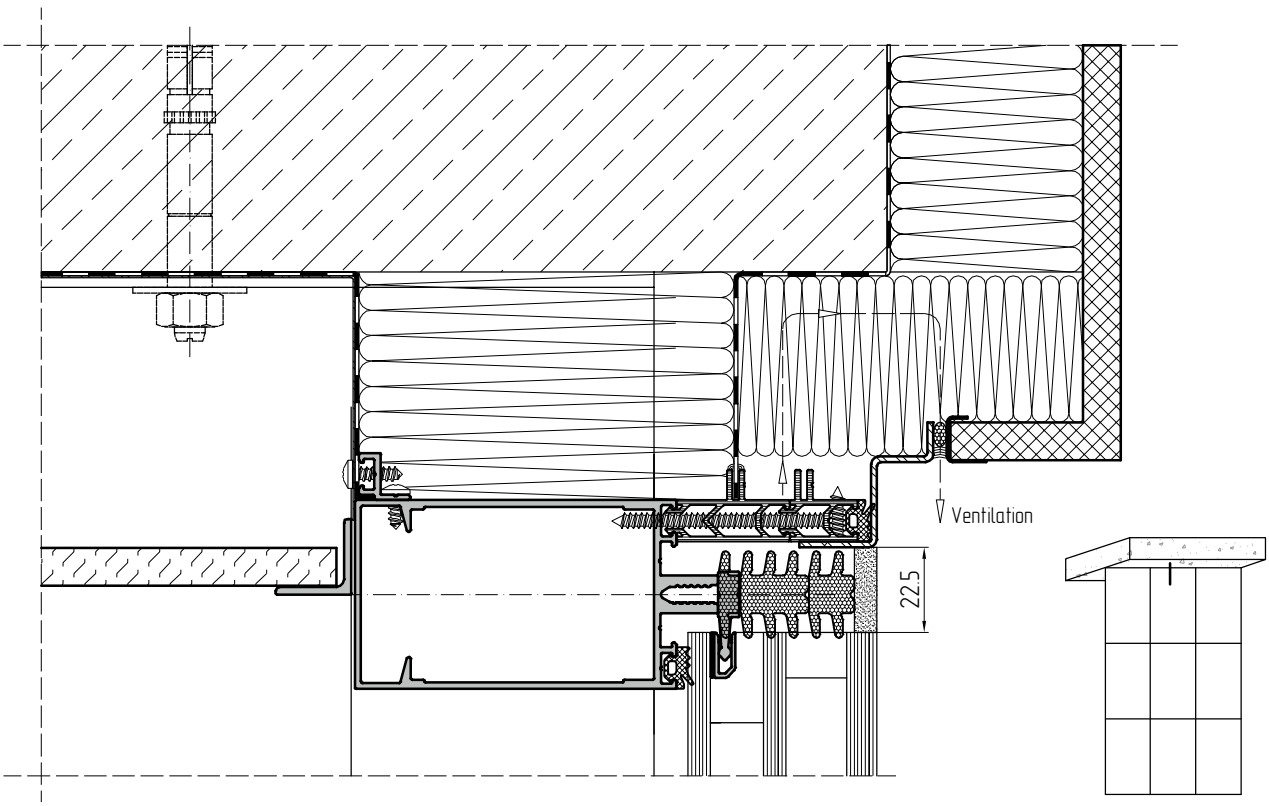

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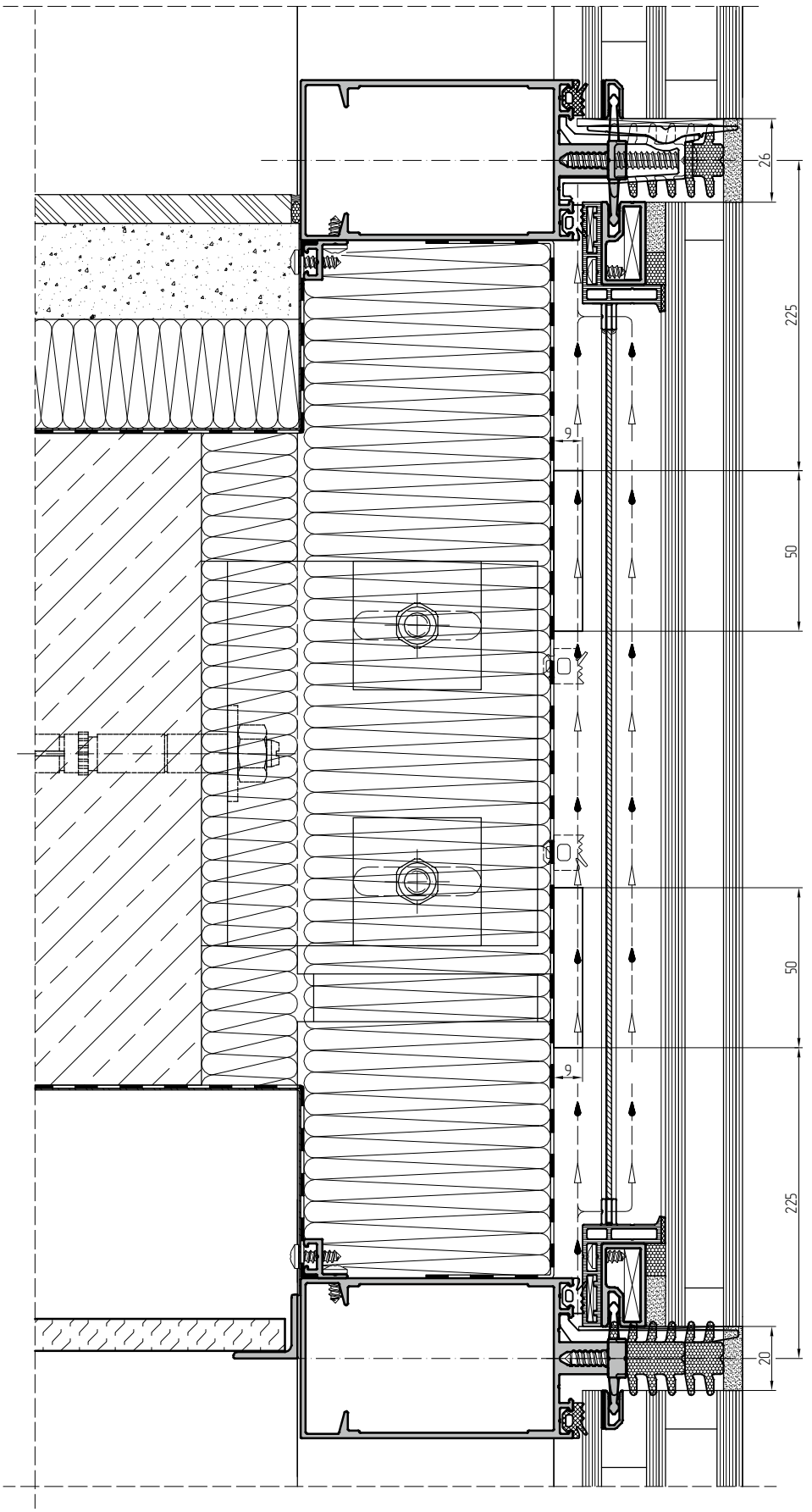

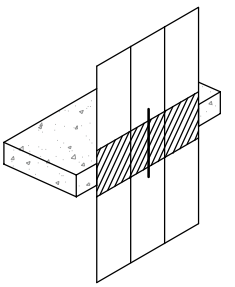

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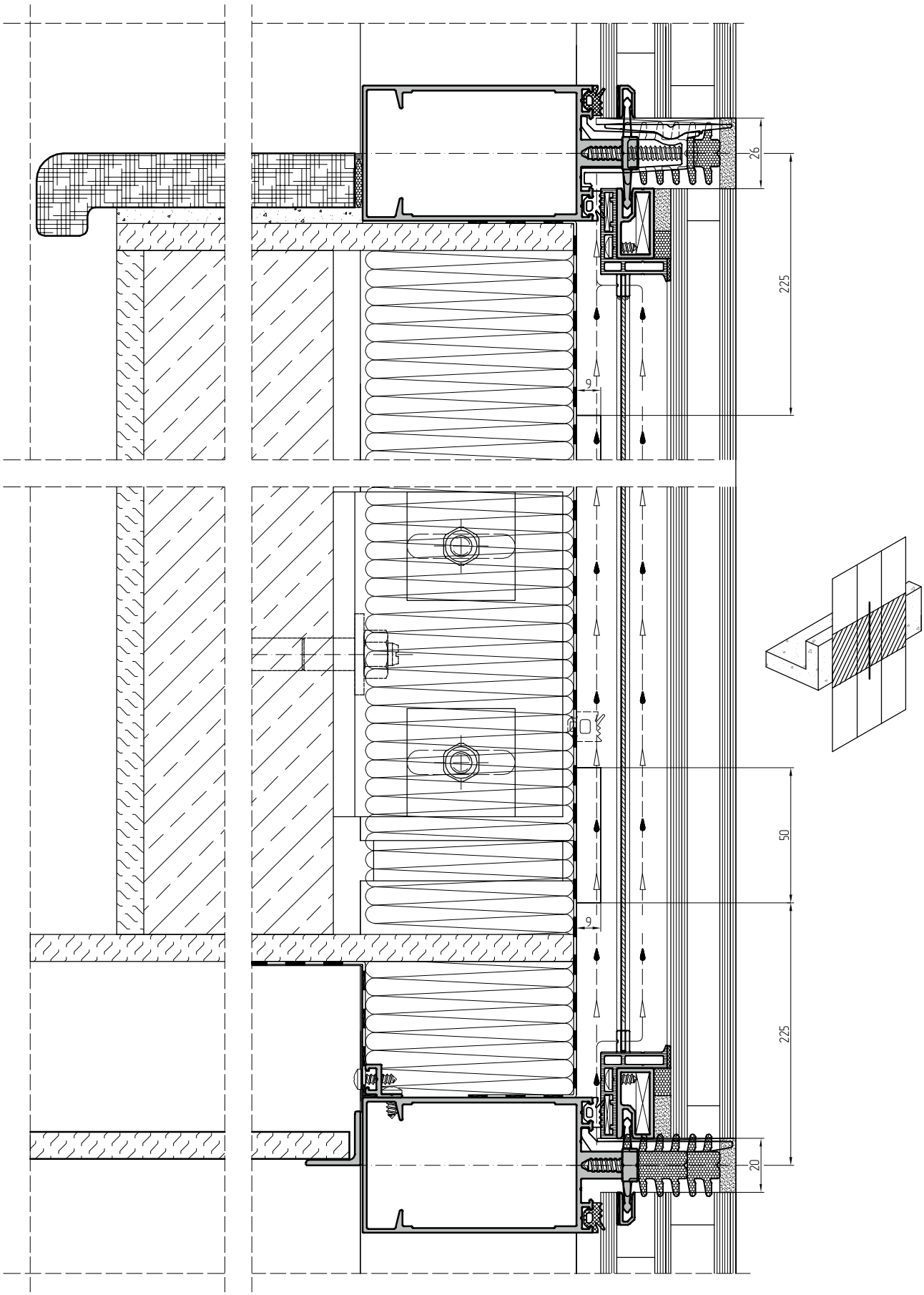

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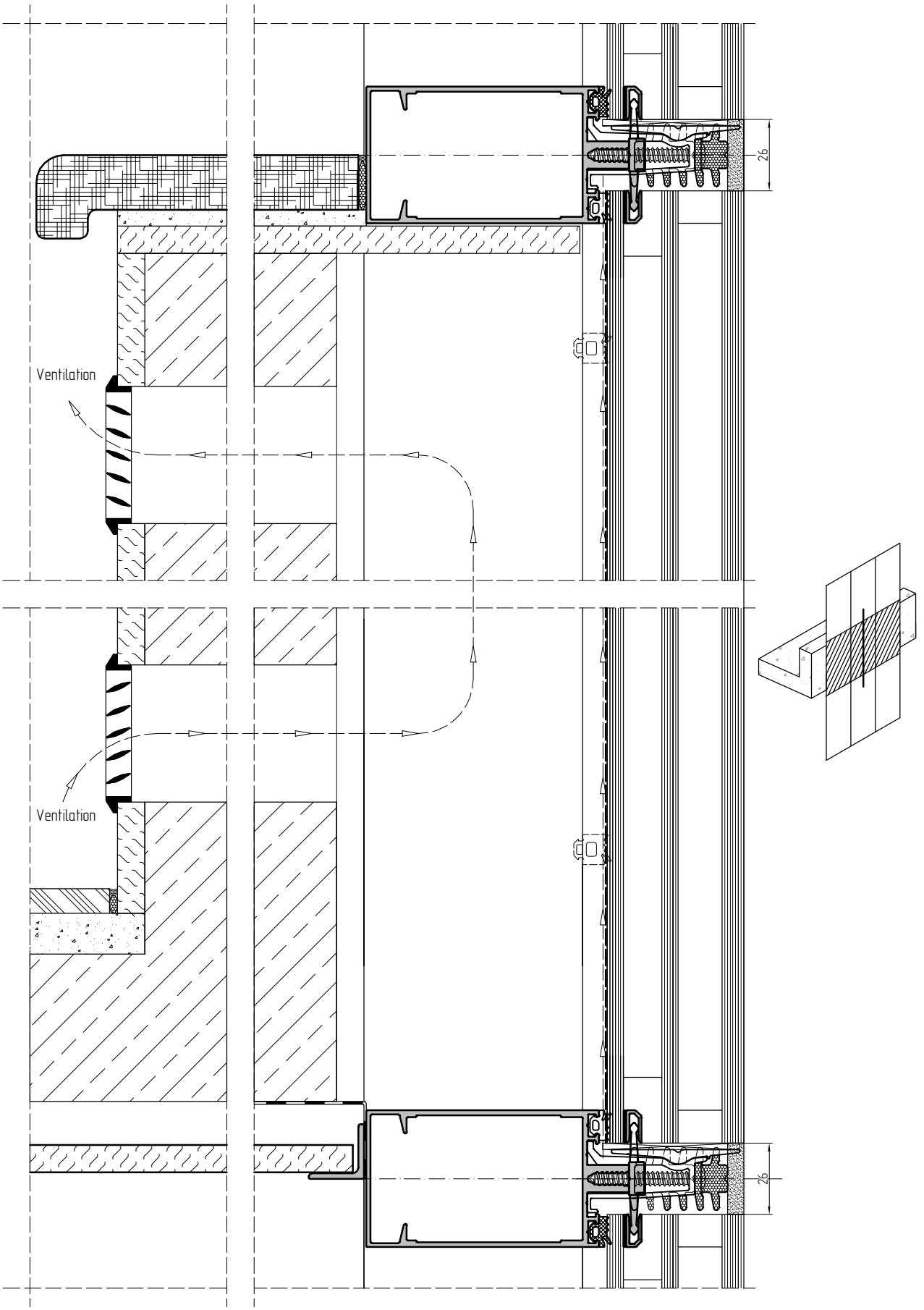

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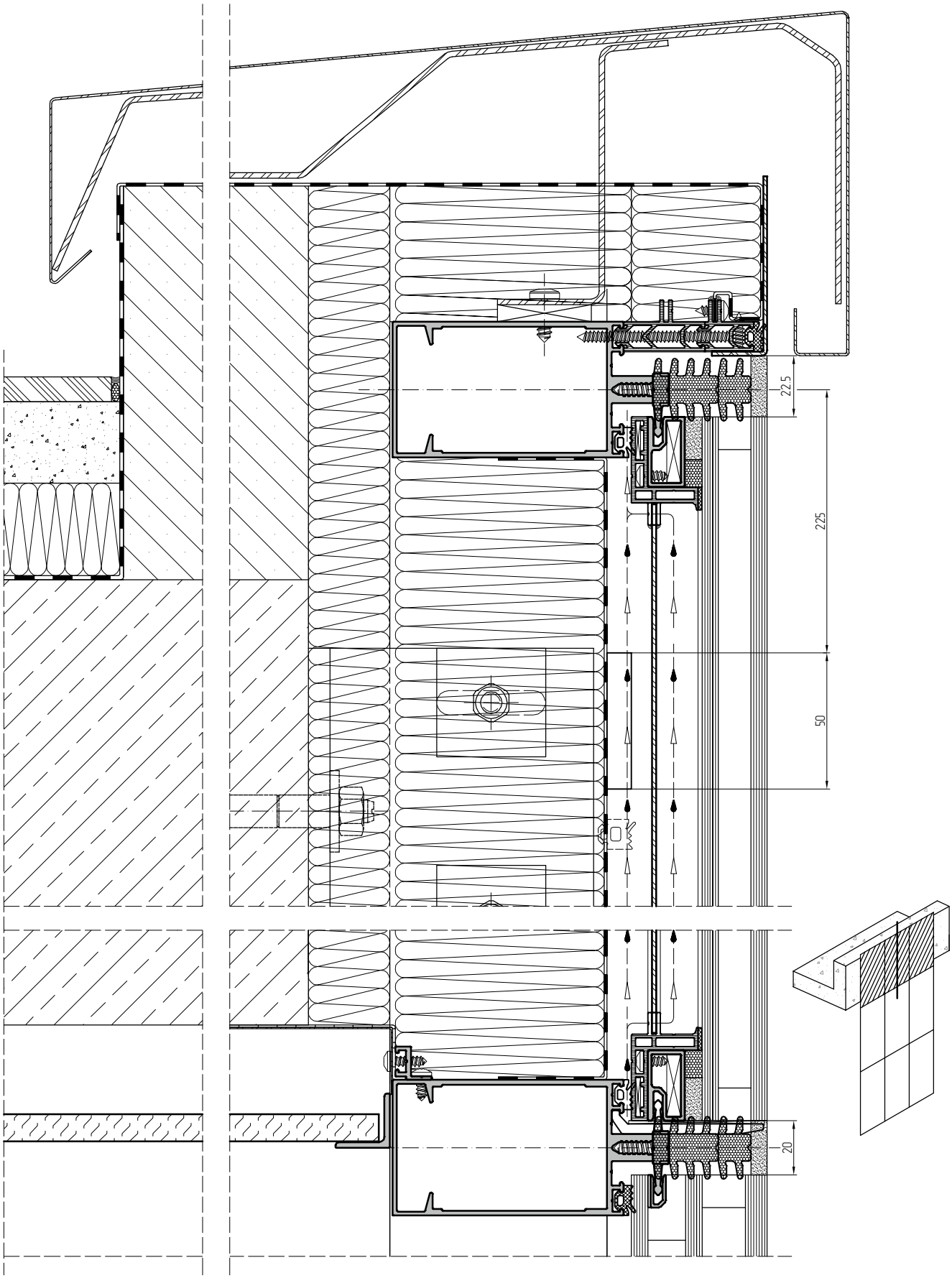

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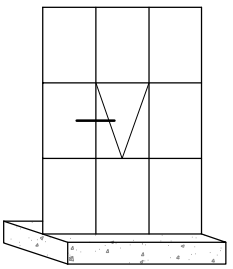
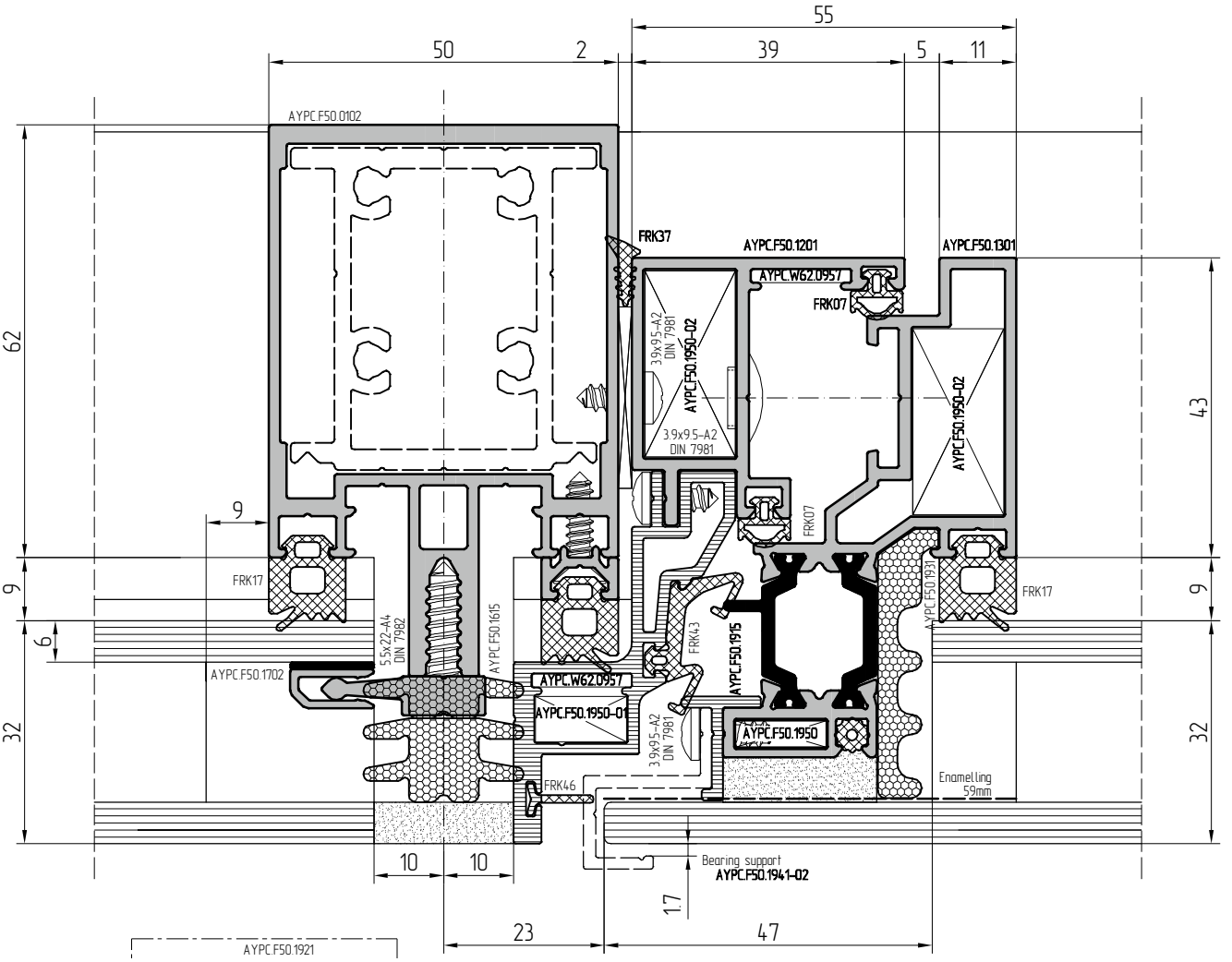
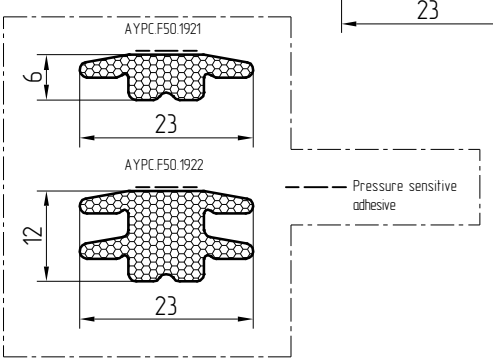
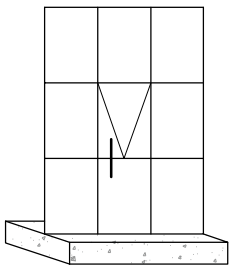


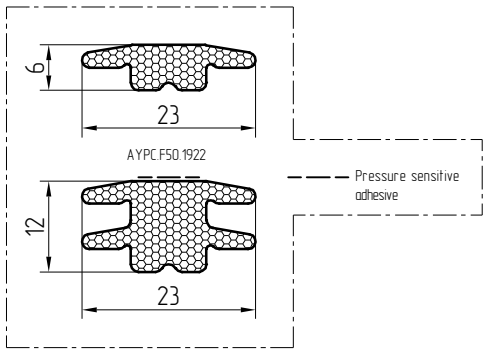


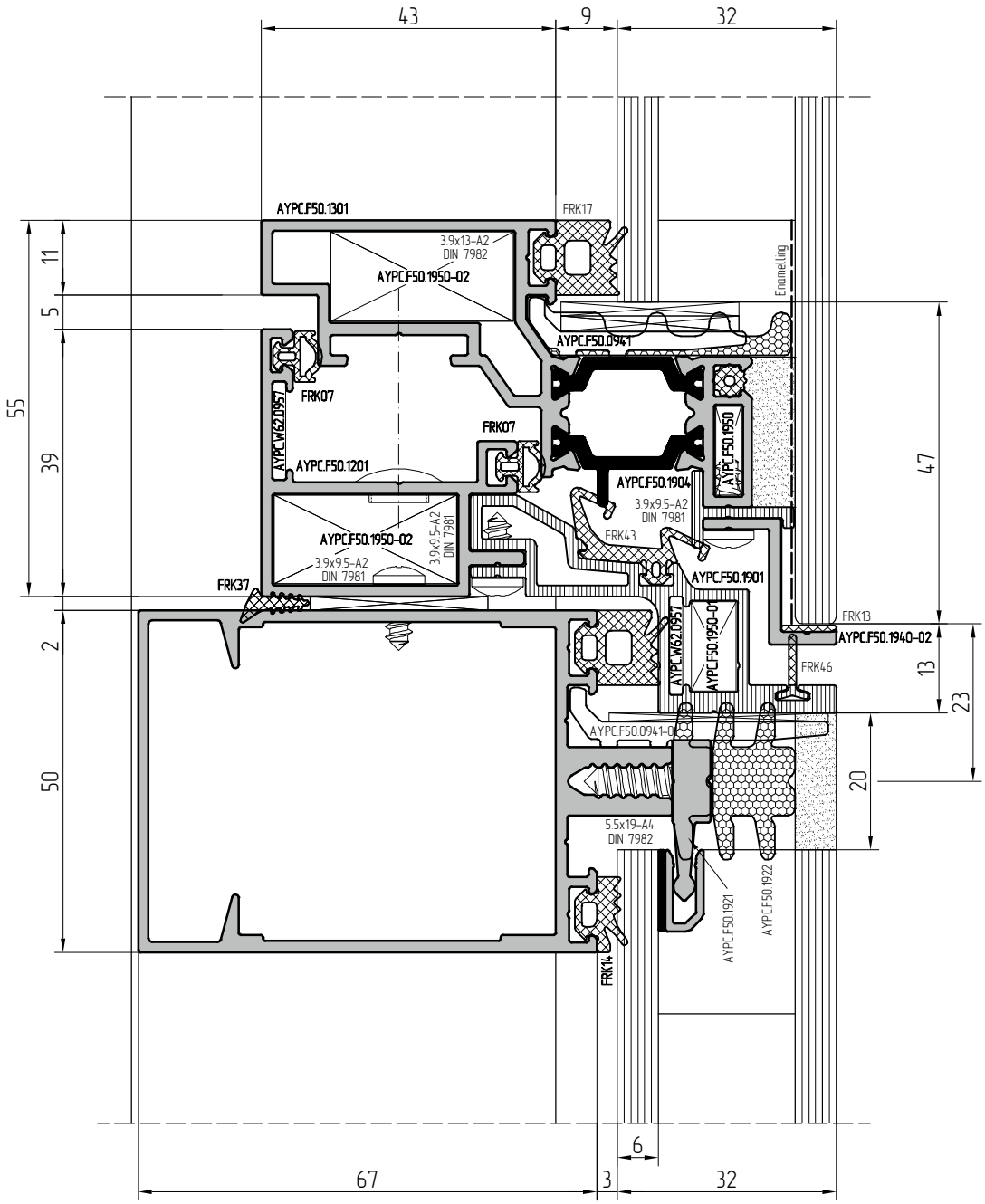


If double glass units are used, it is important to use joint sealant, resistant to ultraviolet.

Scale 1:1







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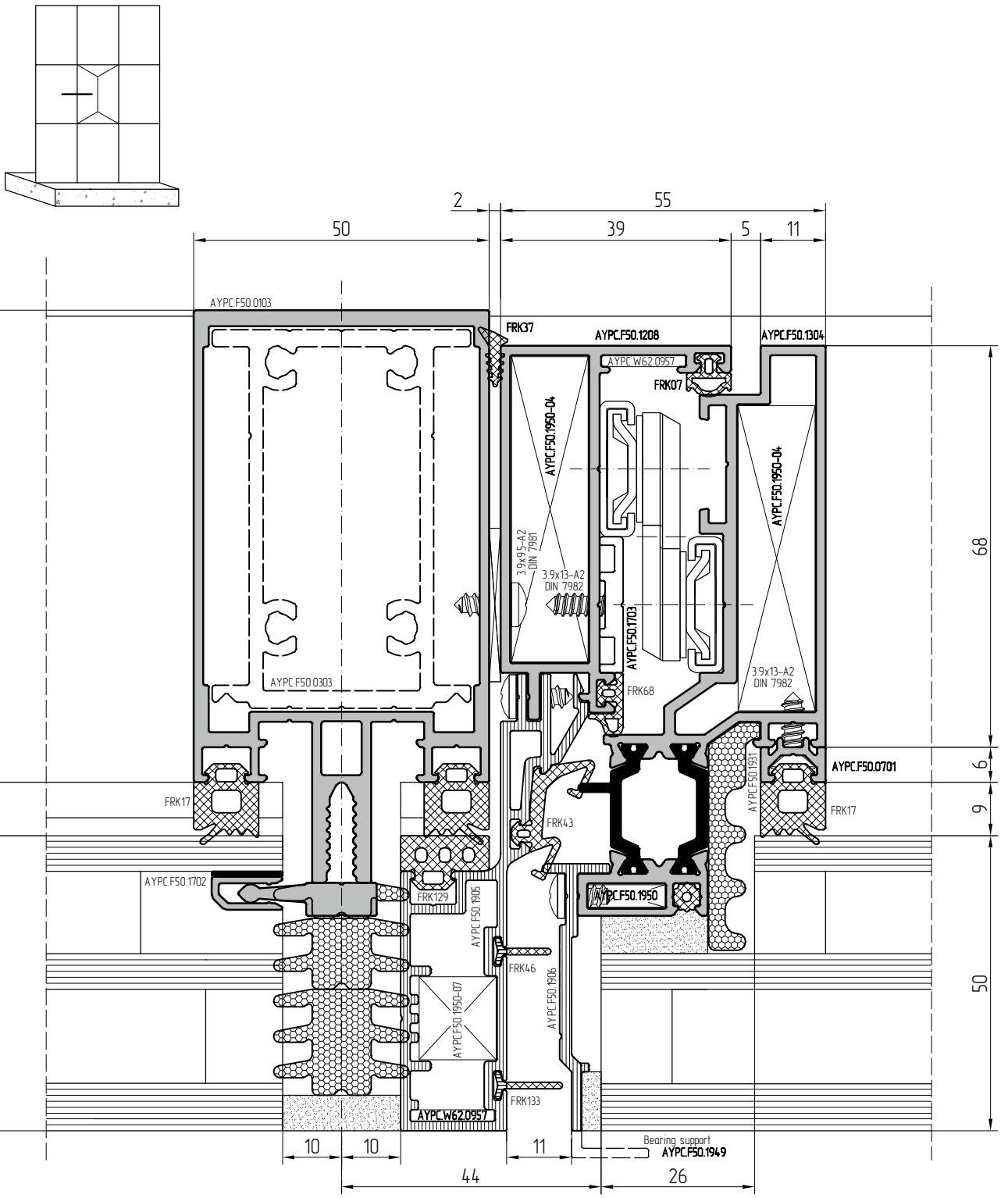
Scale 1:1



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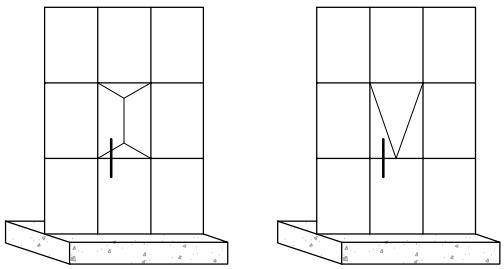
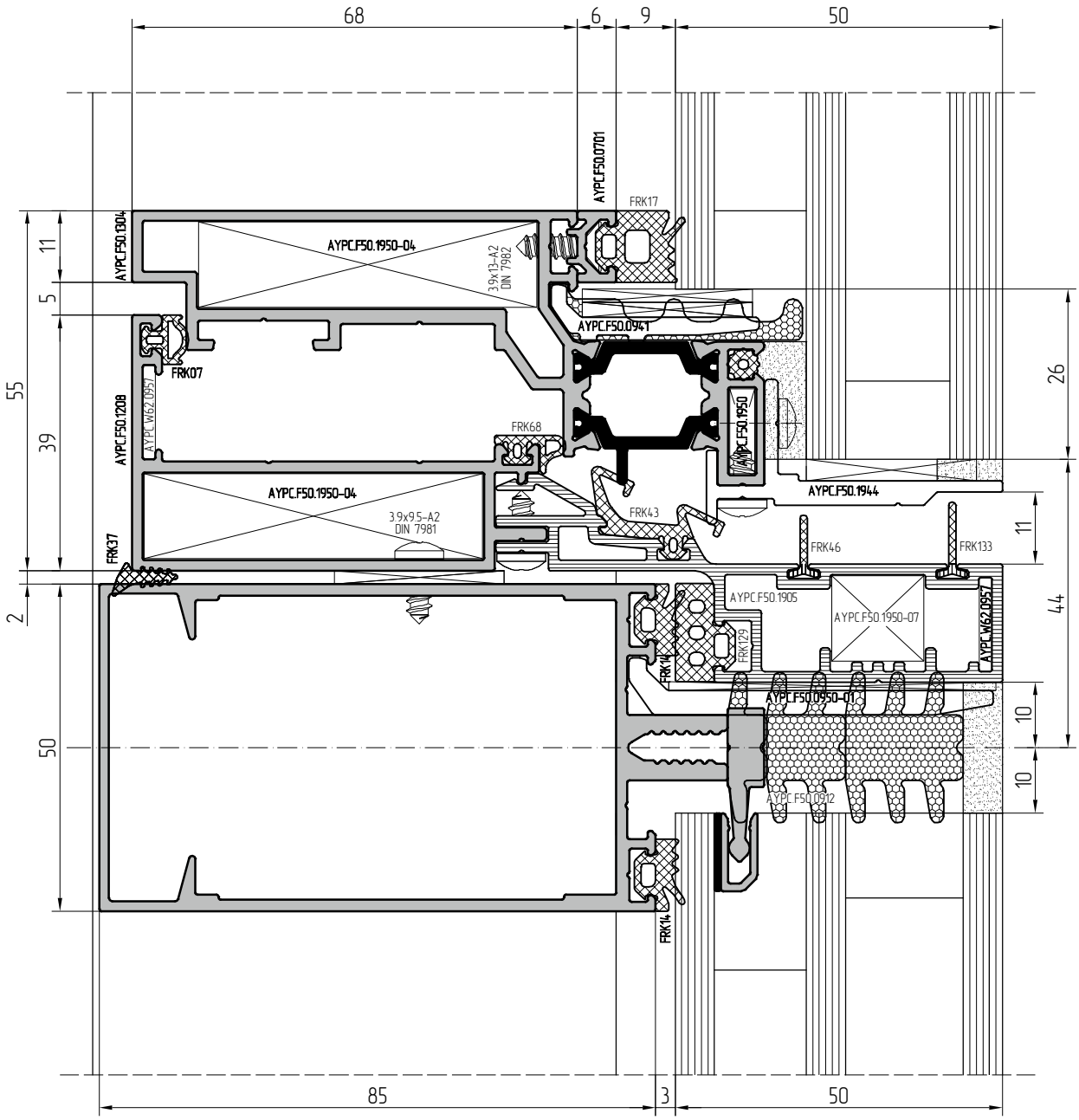
Scale 1:1





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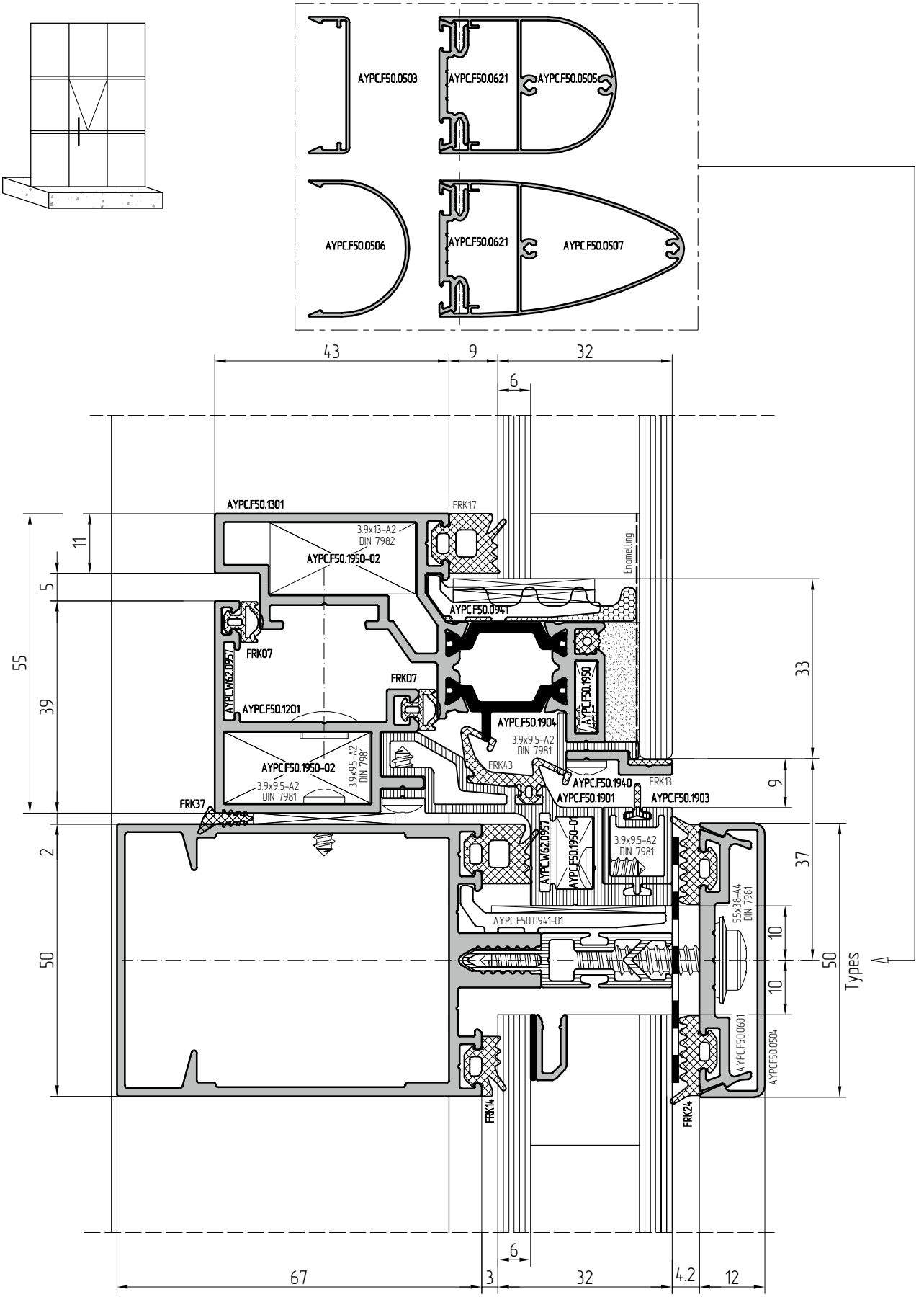
Scale 1:1



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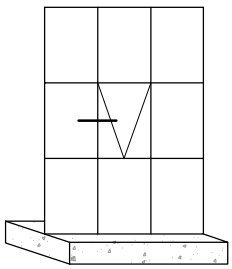
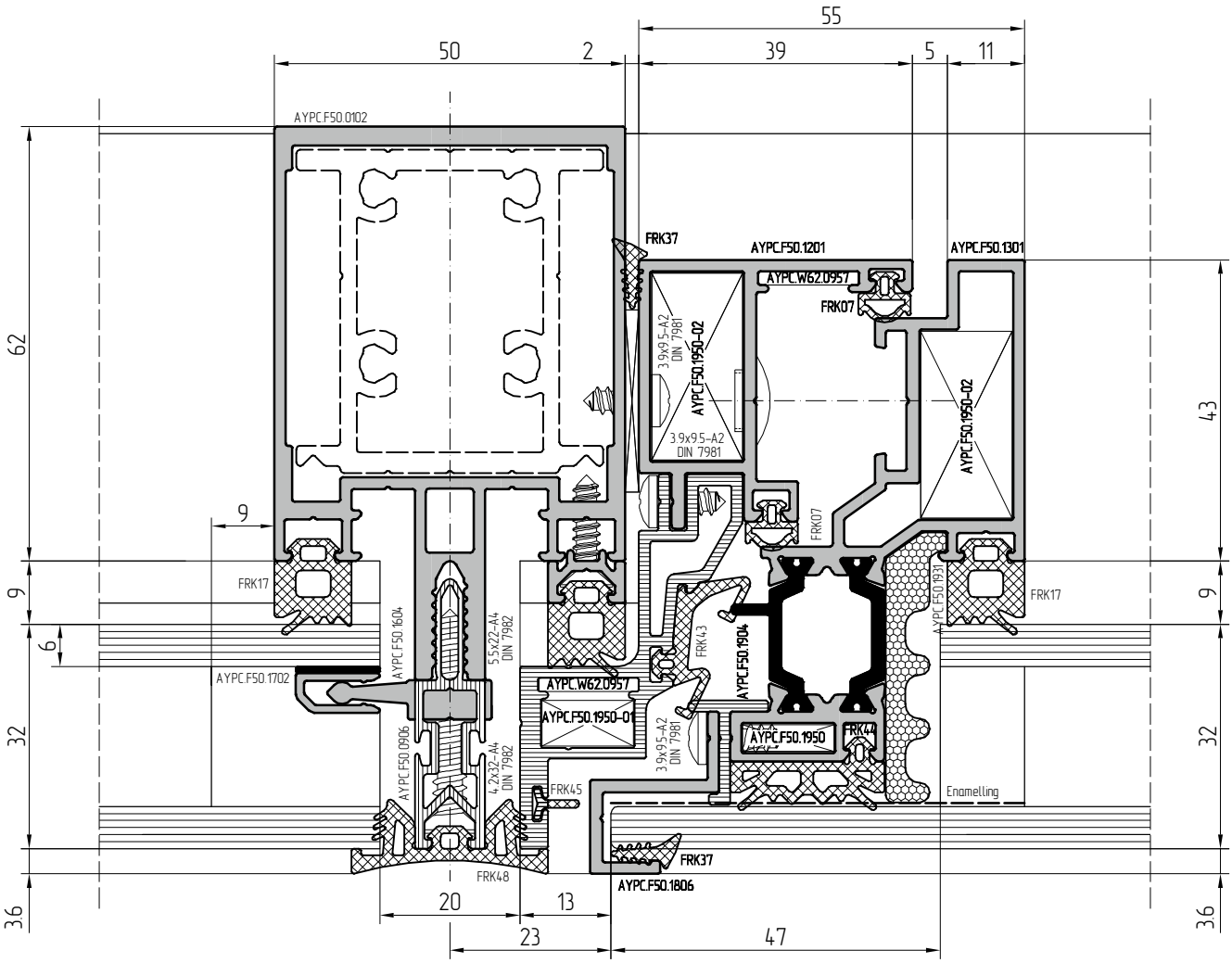
Scale 1:1





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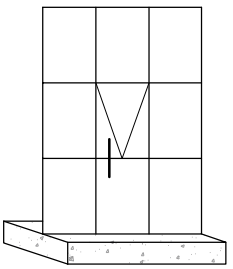
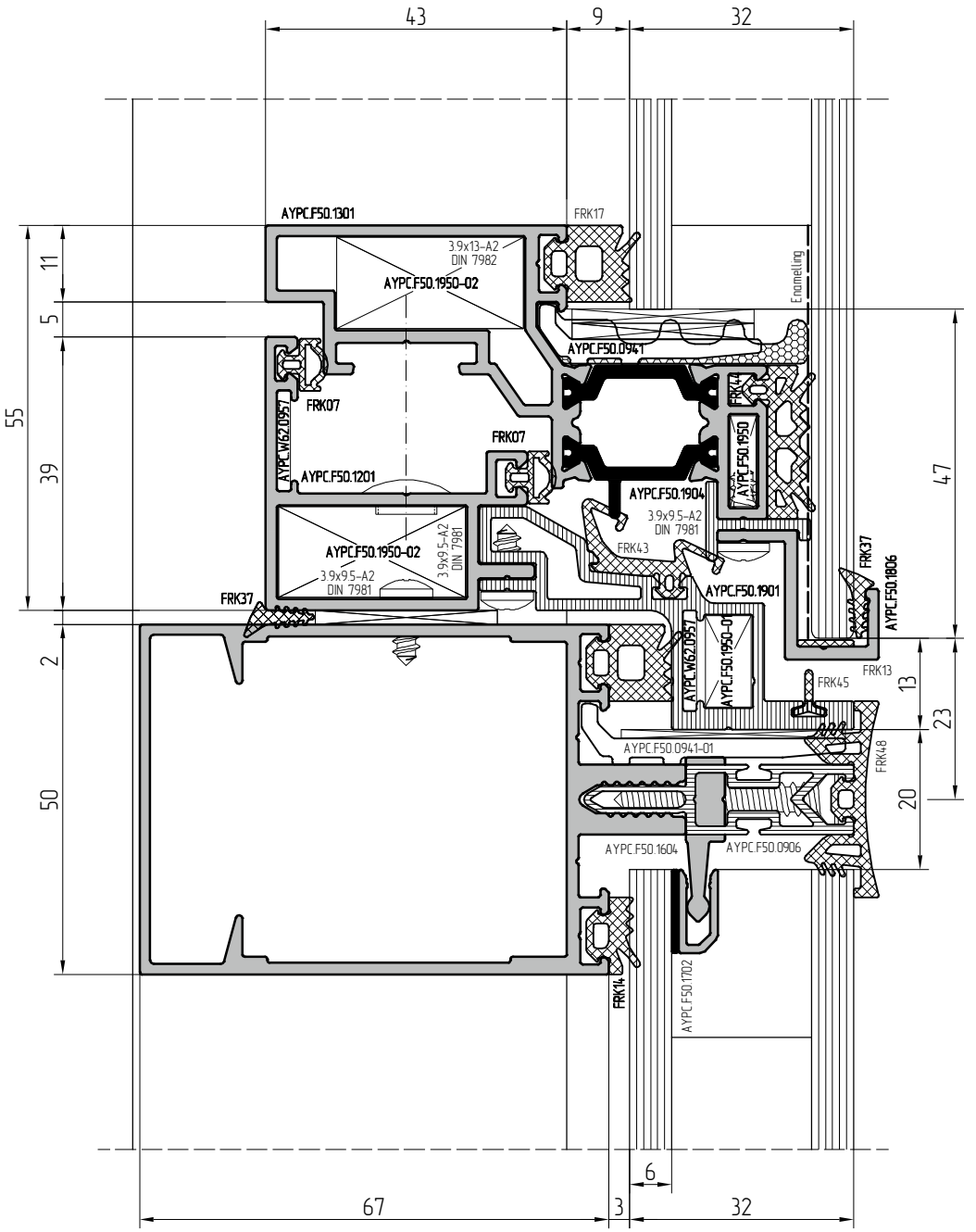
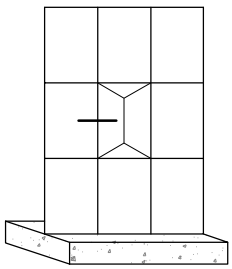
Scale 1:1

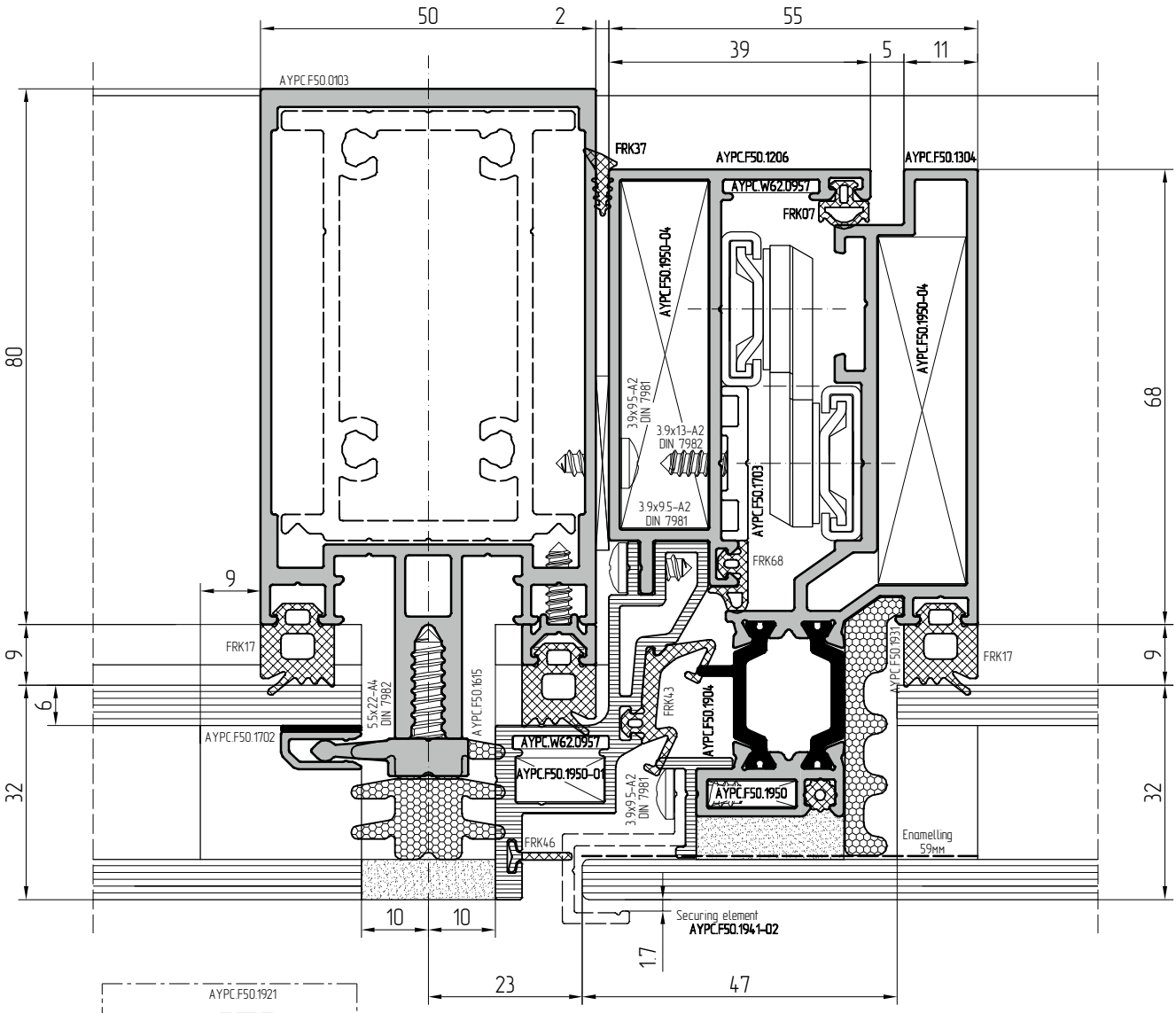


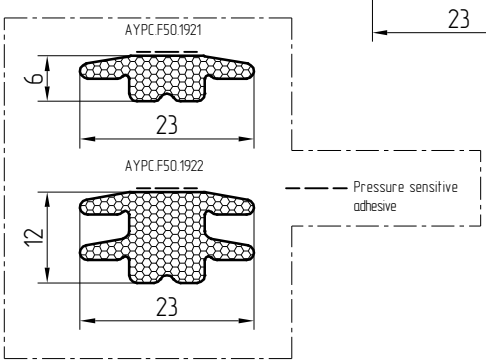


If double glass units are used, it is important to use joint sealant, resistant to ultraviolet.

Scale 1:1

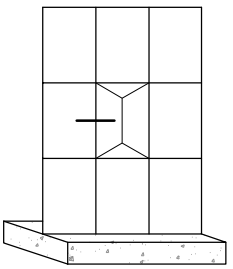


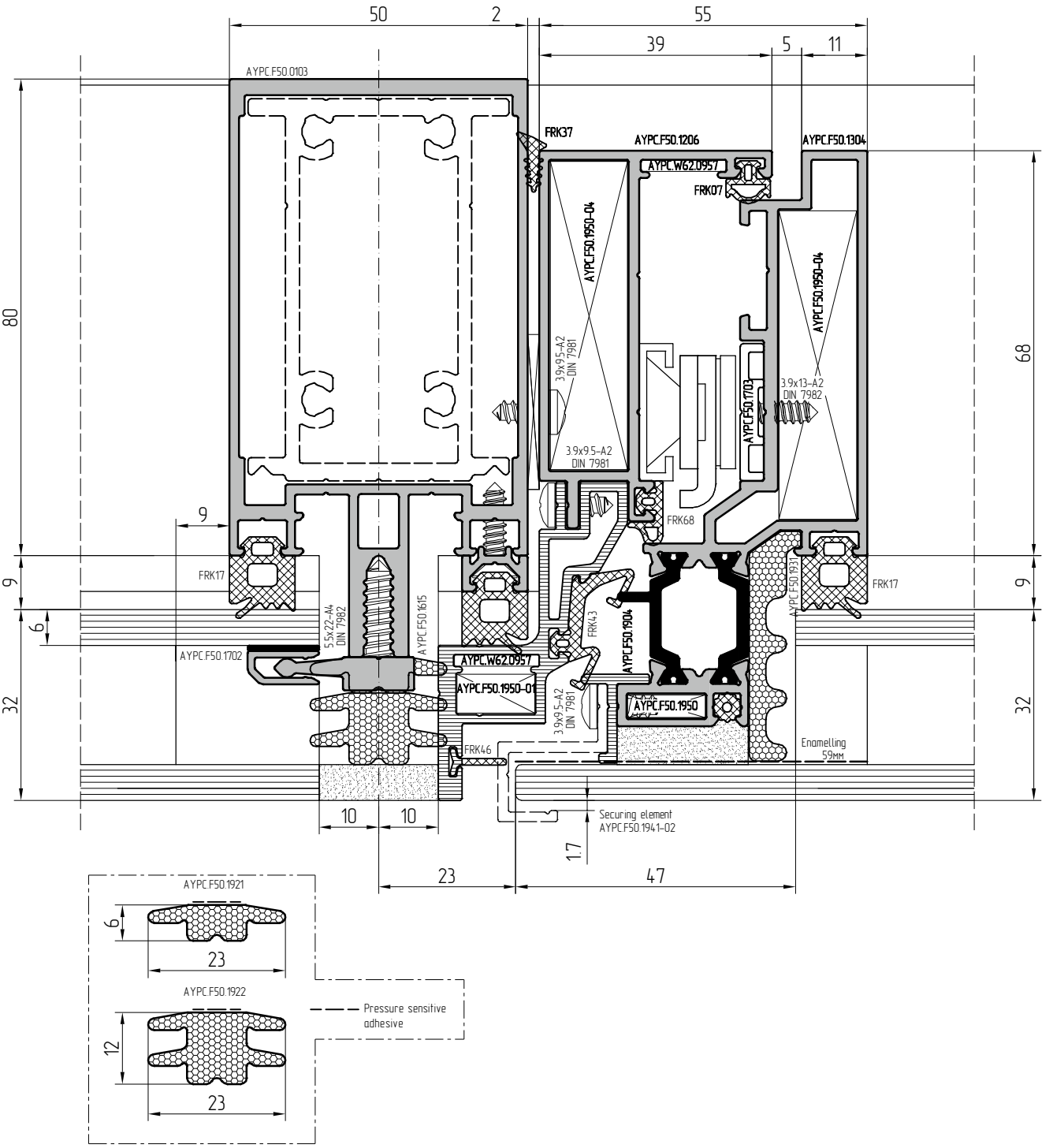




If double glass units are used, it is important to use joint sealant, resistant to ultraviolet.

Scale 1:1





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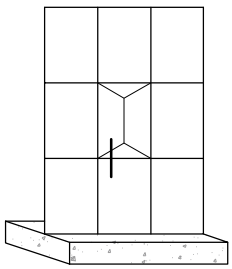
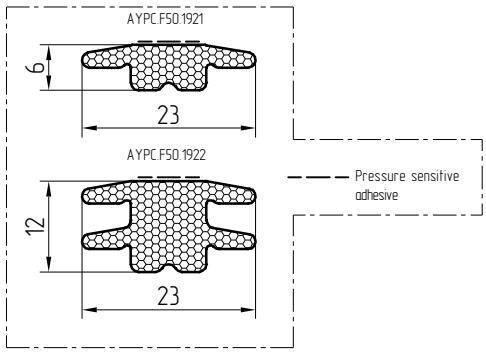
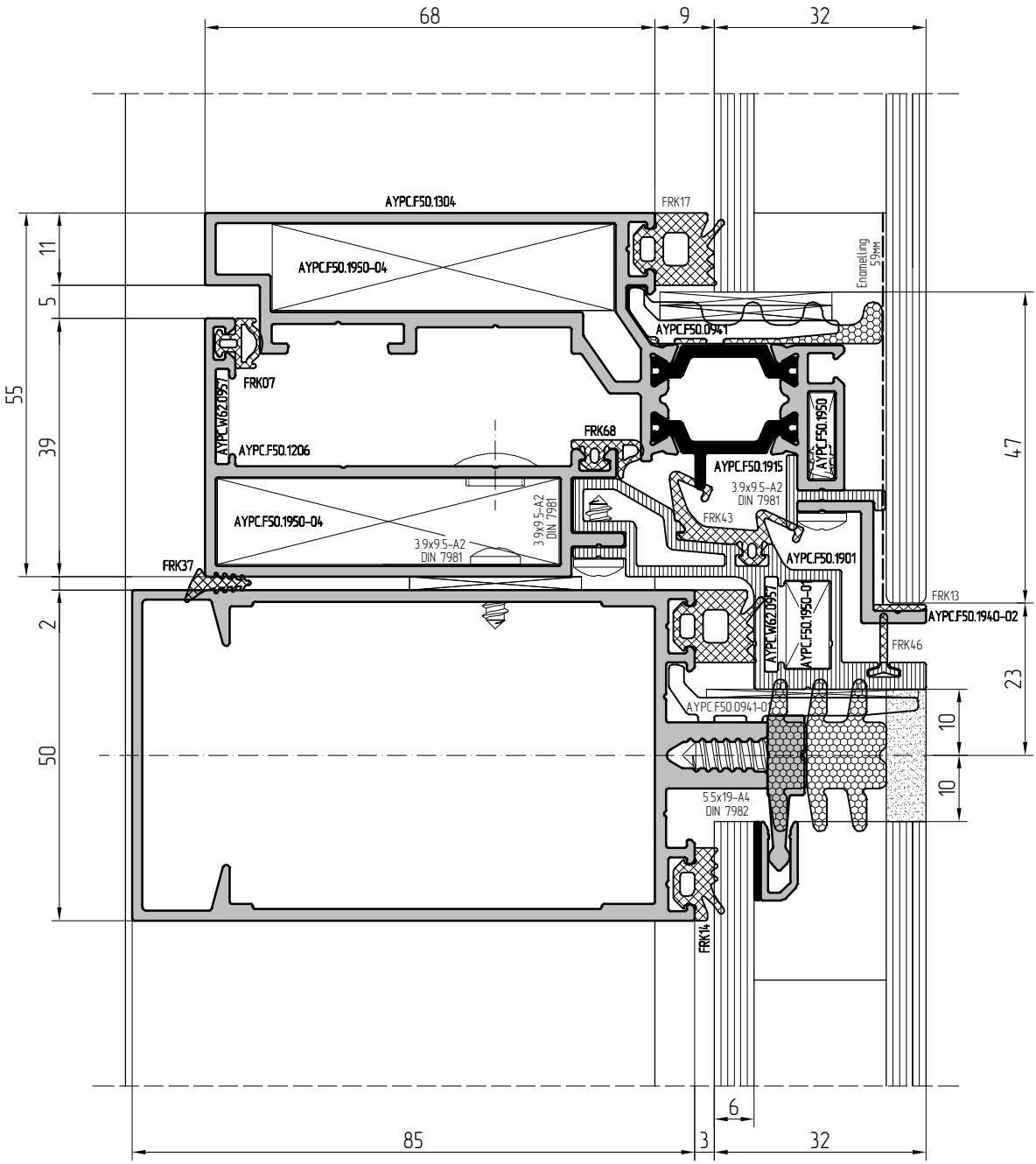
Scale 1:1







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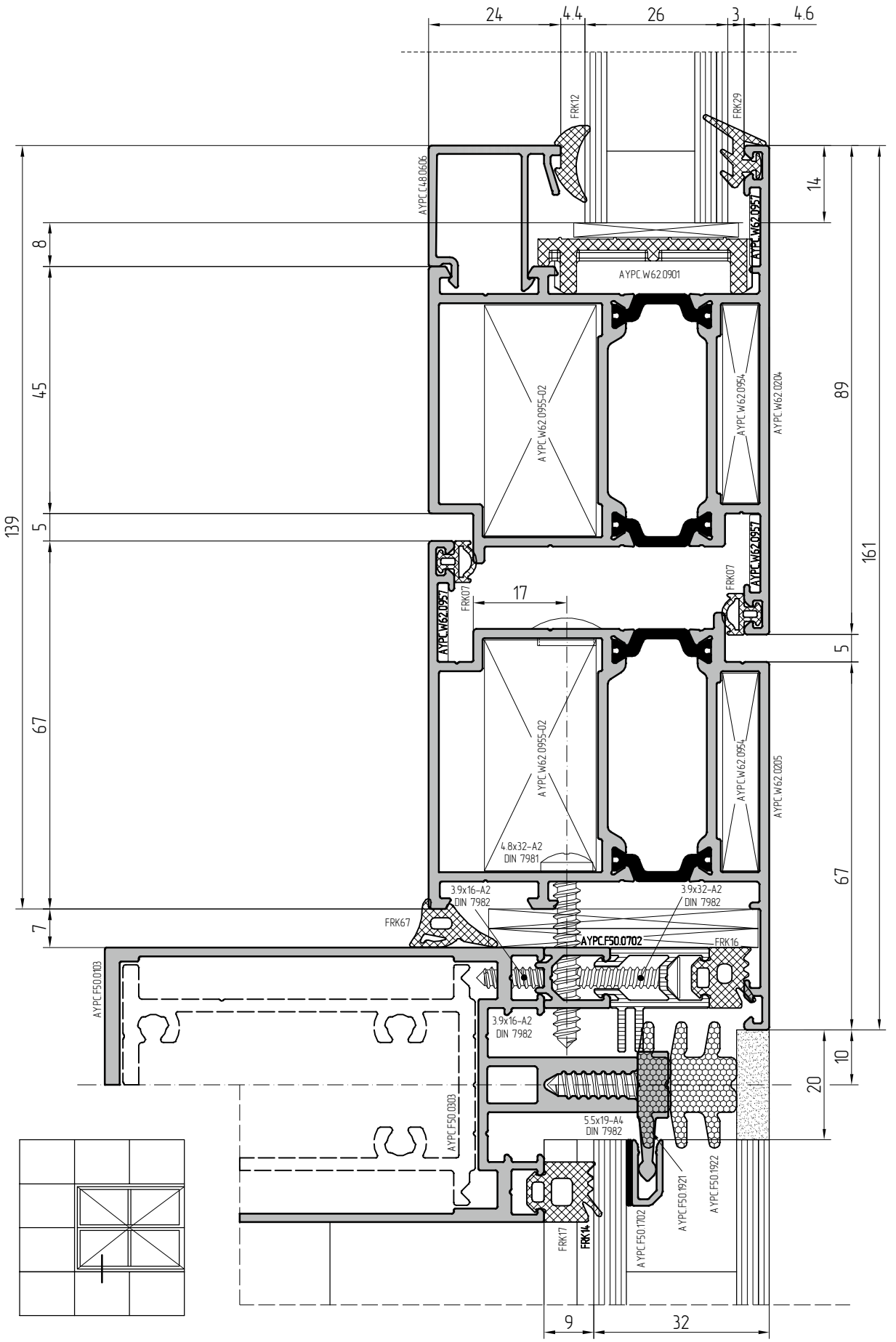
Scale 1:1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AYPC.W62.0955-02
AYPC.W62.0954
AYPC.W62.0204
AYPC.W62.0205
FRK07
17
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DIN 7982
3.9x32-A2
DIN 7982
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FRK16
AYPC.F50.0103
AYPC.F50.0303
5.5x19-A4
DIN 7982
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AYPC.F50.1922
AYPC.F50.1702
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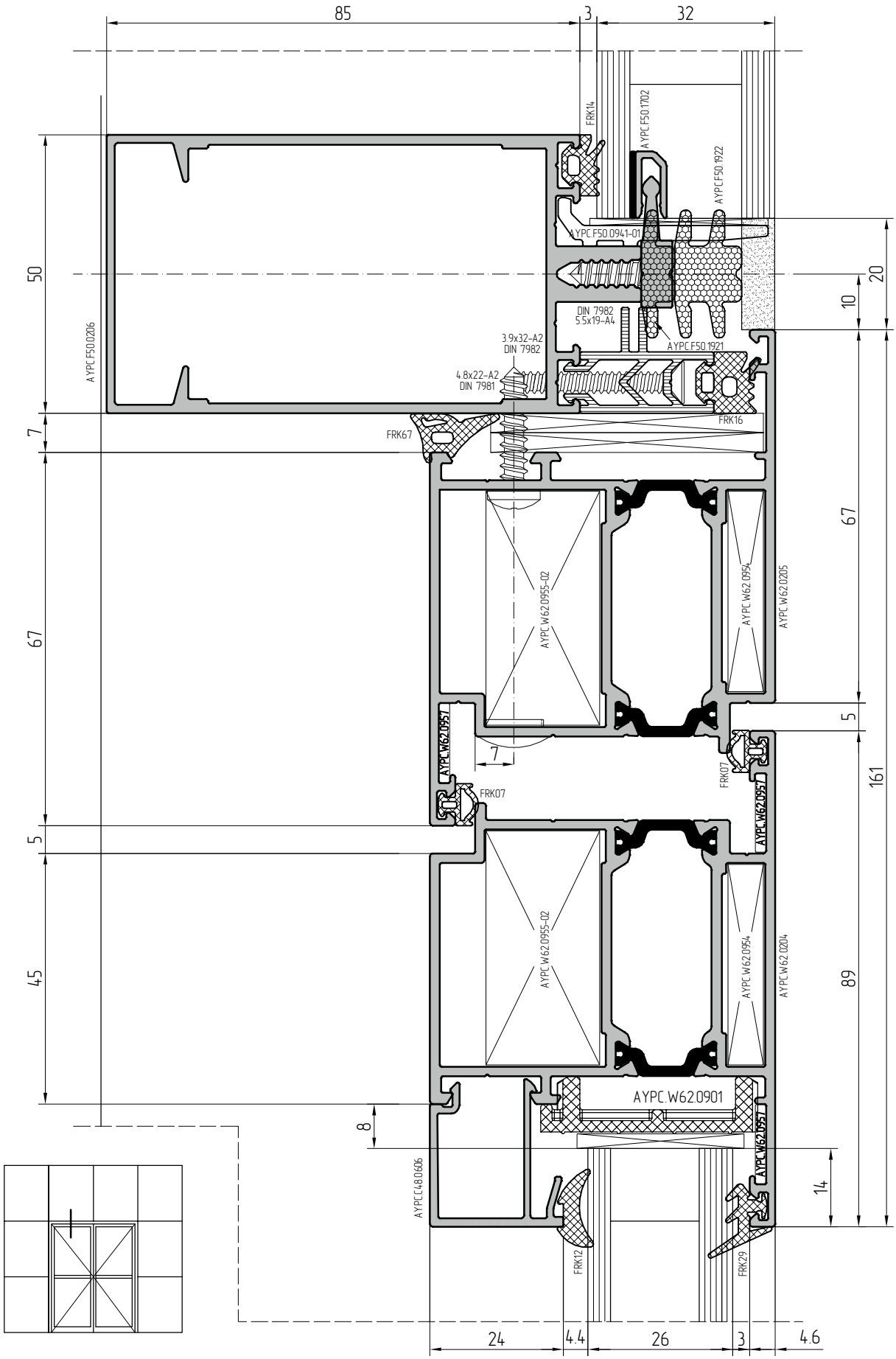
Scale 1:1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DIN 7982
4.8x22-A2
DIN 7981
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AYPC.F50.0206
FRK16
FRK67
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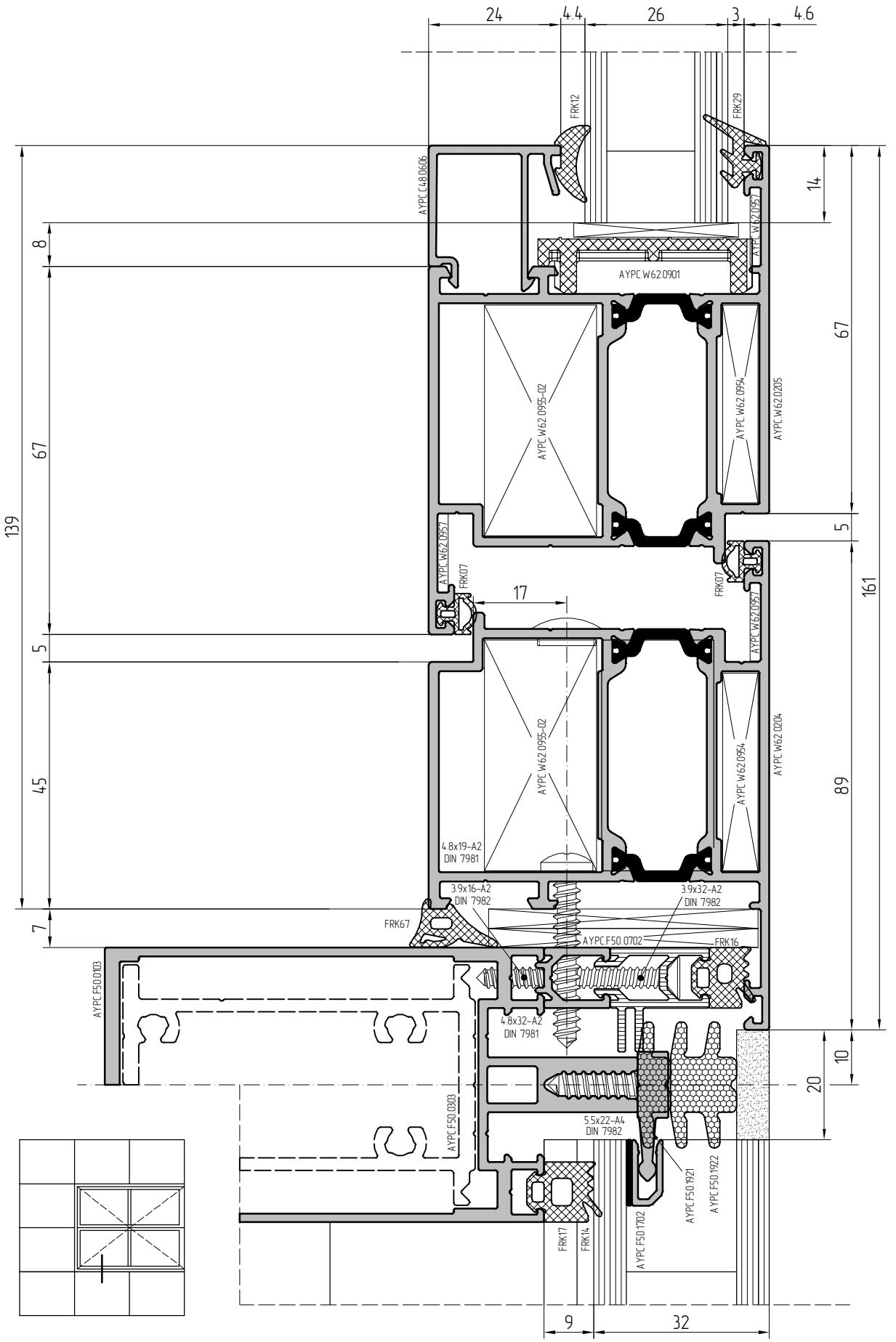
FRK07
FRK12
FRK29
24
4.4
26
3
4.6

Scale 1:1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FRK29
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AYPC.W62.0205
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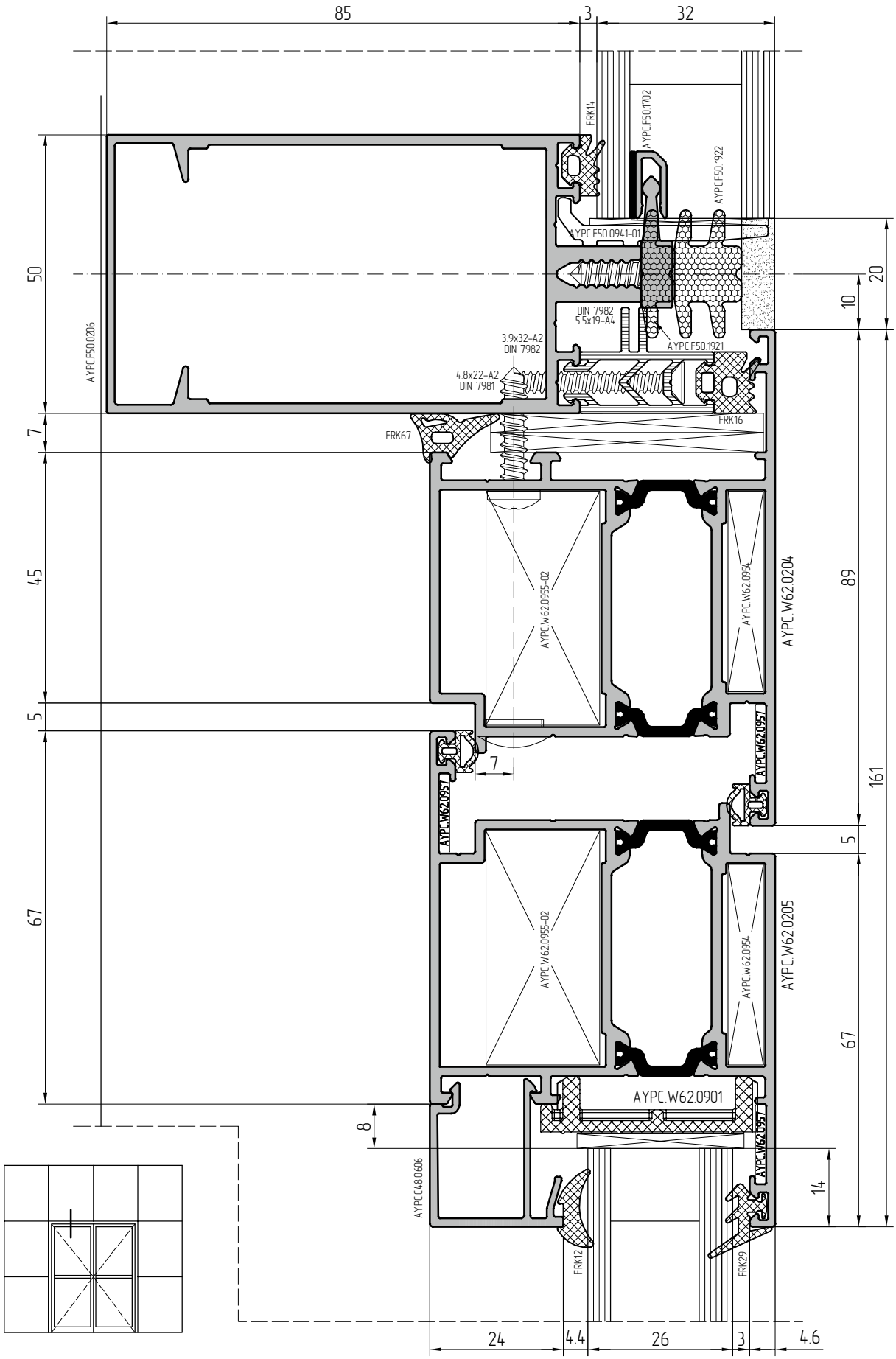
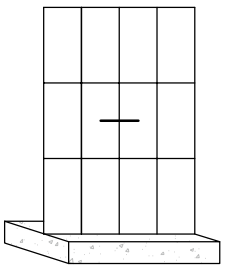
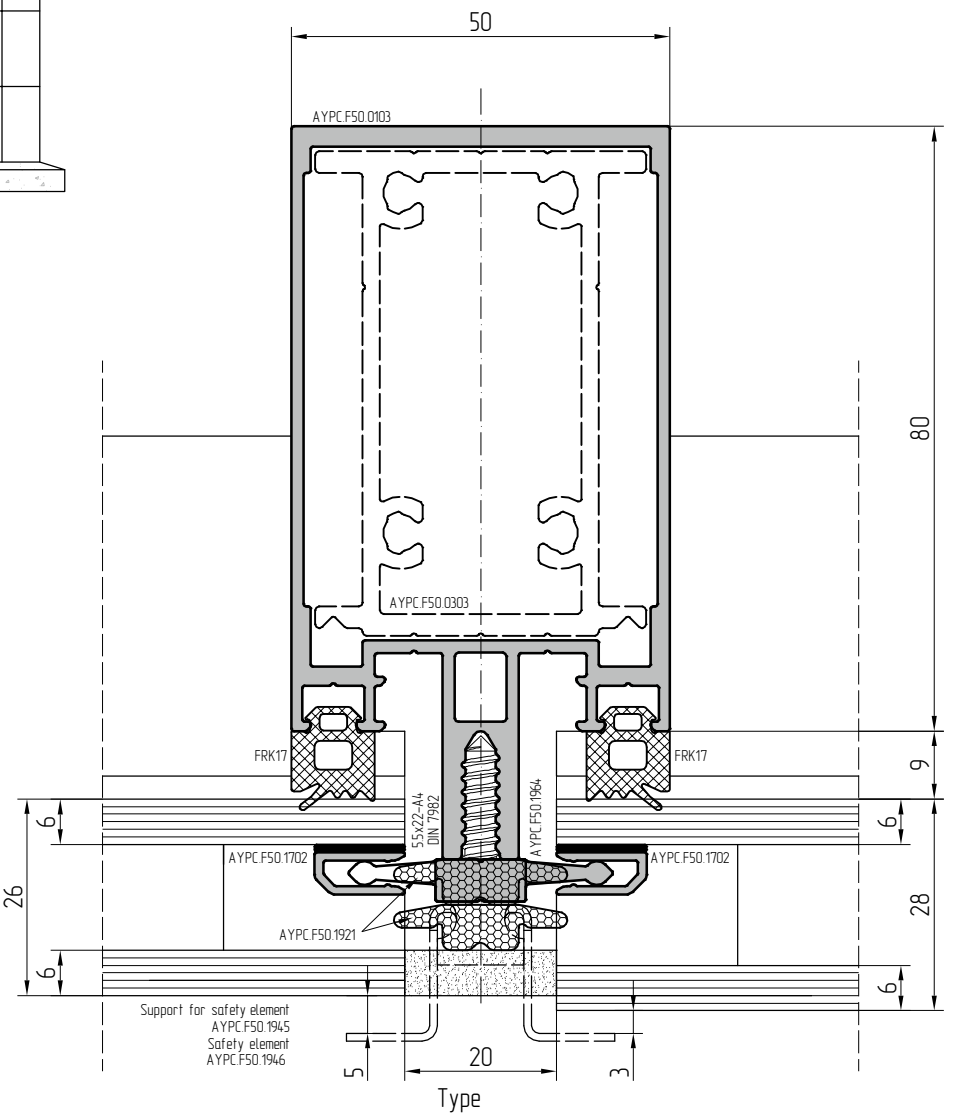
FRK07
FRK67
FRK16
AYPC.F50.0702
AYPC.F50.0103
AYPC.F50.0303
AYPC.F50.1702
AYPC.F50.1921
AYPC.F50.1922
FRK17
FRK14
4.8x19-A2 DIN 7981
3.9x16-A2 DIN 7982
3.9x32-A2 DIN 7982
4.8x32-A2 DIN 7981
5.5x22-A4 DIN 7982
139
67
8
67
5
45
7
14
5
17
161
89
10
20
9
32

Scale 1:1


85
3
32
FRK14
AYPC.F50.1702
AYPC.F50.1922
AYPC.F50.0941-01
DIN 7982
5.5x19-A4
AYPC.F50.1921
3.9x32-A2
DIN 7982
4.8x22-A2
DIN 7981
FRK16
FRK67
AYPC.F50.0206
50
7
45
5
67
8
20
10
89
161
5
67
14
AYPC.W62.0204
AYPC.W62.0205
AYPC.W62.0955-02
AYPC.W62.0954
AYPC.W62.0957
AYPC.W62.0951
AYPC.W62.0901
AYPC.C48.0606
FRK12
FRK29
24
4.4
26
3
4.6

Scale 1:1





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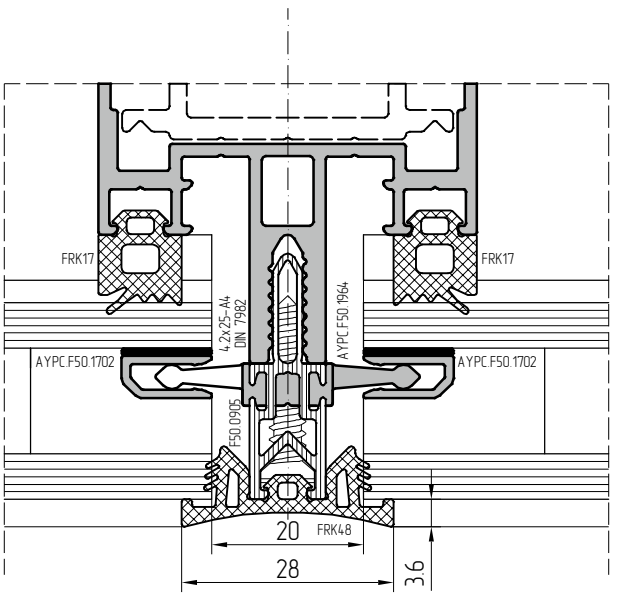
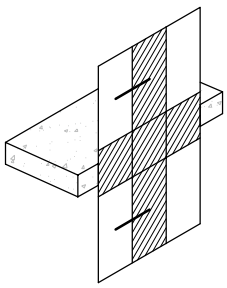
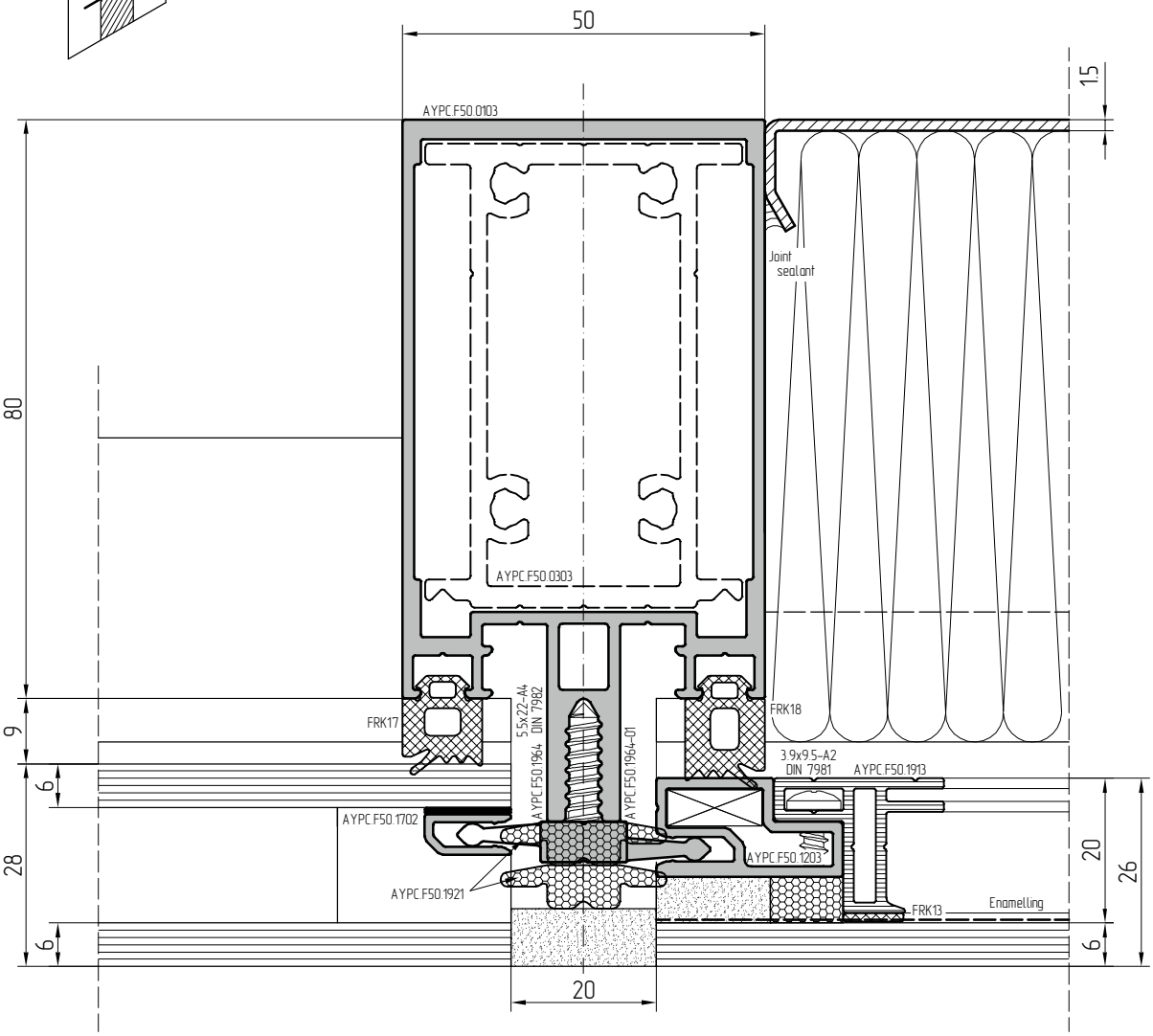
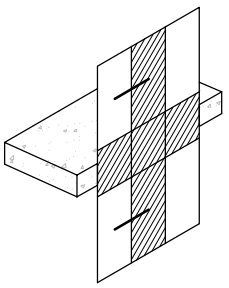


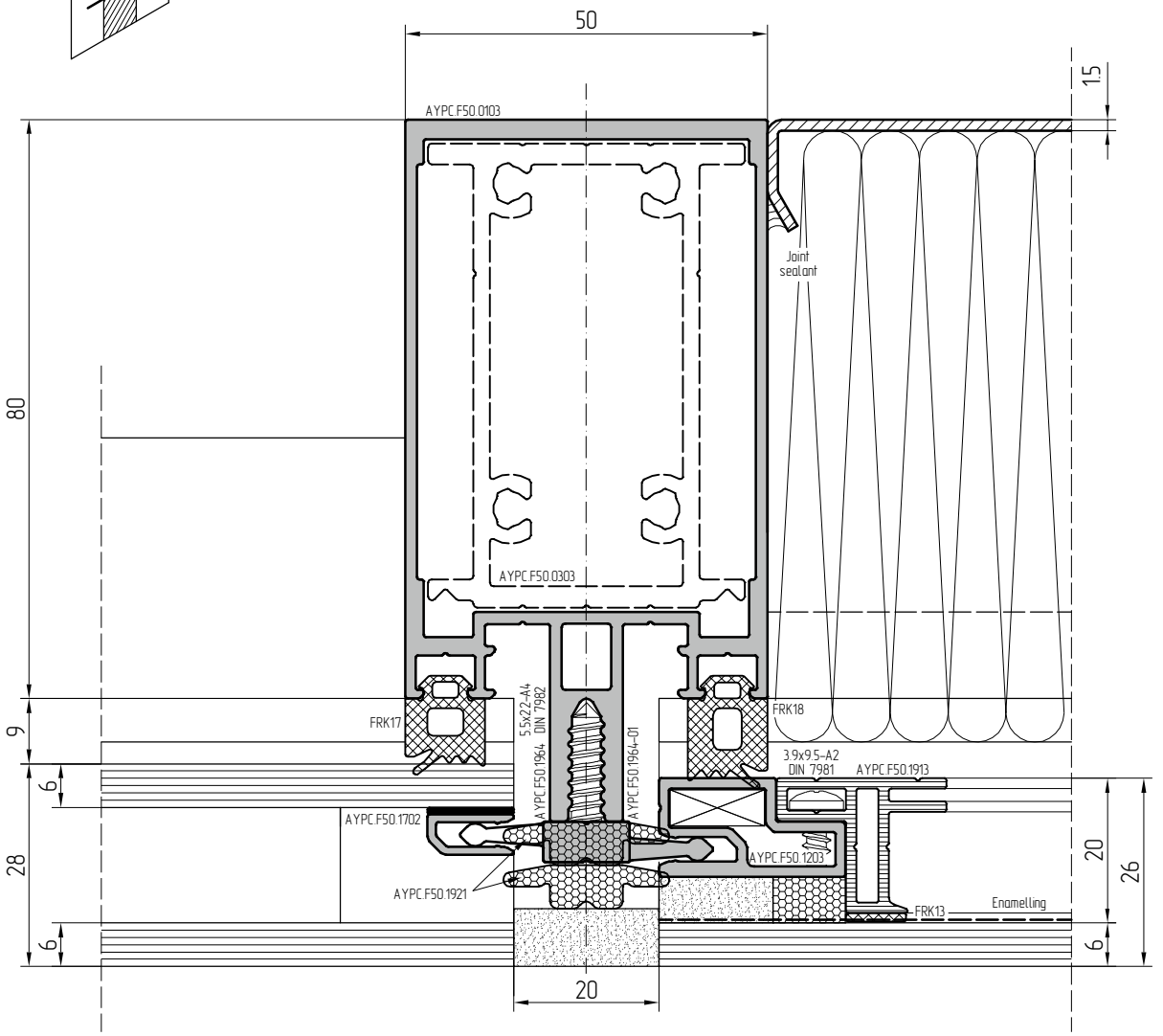
Scale 1:1



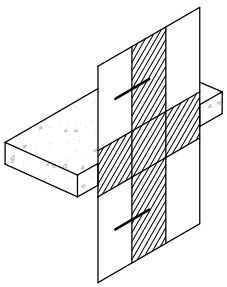

50
15
AYPC.F50.0103
Joint sealant
80
AYPC.F50.0303
FRK17
5.5x22-A4 DIN 7982
AYPC.F50.1964
AYPC.F50.1964-01
FRK18
3.9x9.5-A2 DIN 7981
AYPC.F50.1913
9
6
28
AYPC.F50.1702
AYPC.F50.1203
AYPC.F50.1921
FRK13
Enamelling
20
26
6
6
20

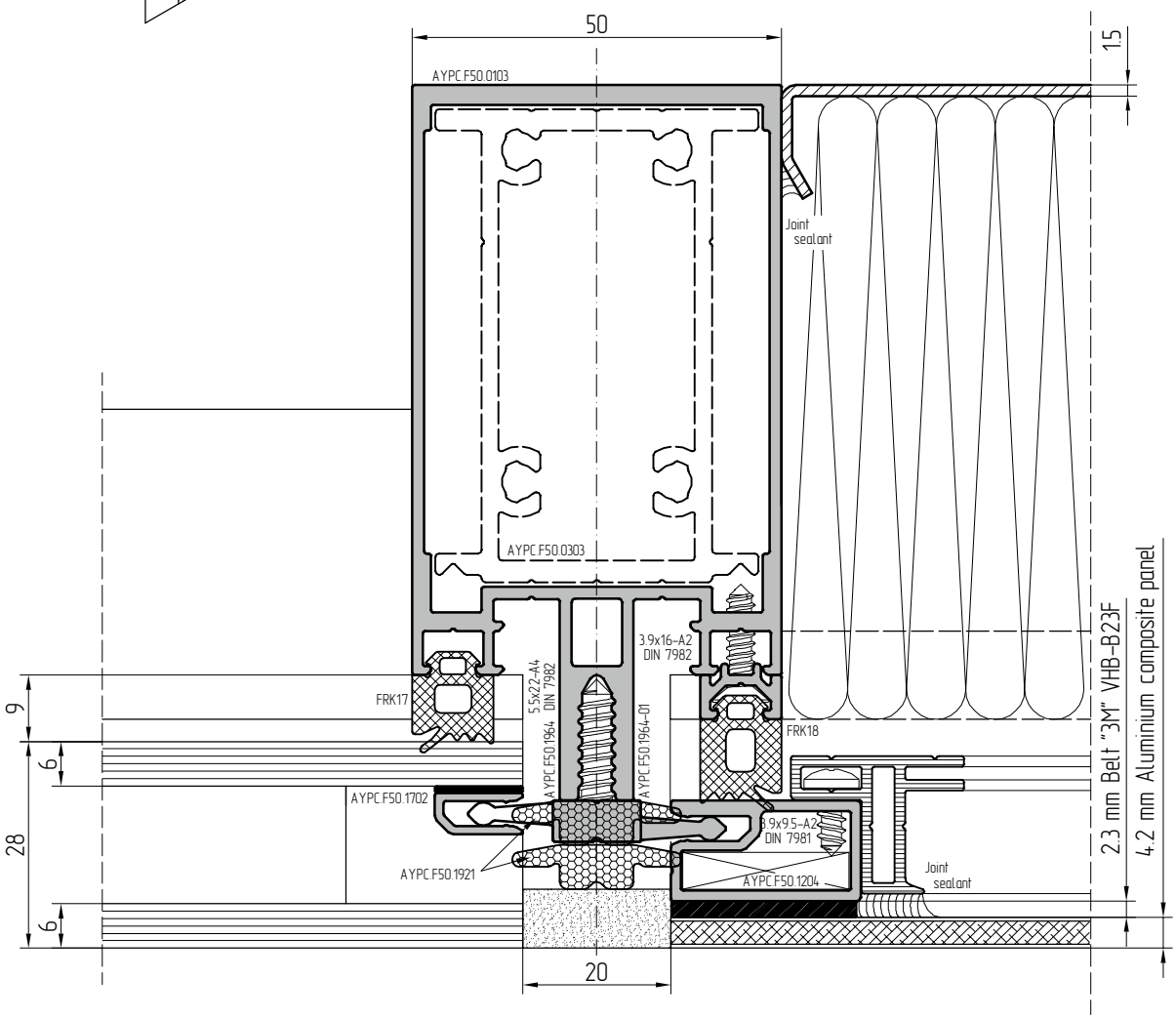
Scale 1:1



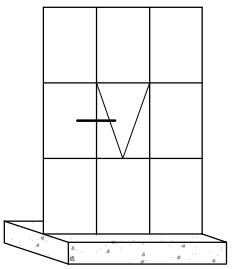

50
15
AYPC.F50.0103
Joint sealant
80
AYPC.F50.0303
FRK17
5.5x22-A4 DIN 7982
AYPC.F50.1964
AYPC.F50.1964-01
FRK18
3.9x9.5-A2 DIN 7981
AYPC.F50.1913
9
6
AYPC.F50.1702
28
AYPC.F50.1203
AYPC.F50.1921
FRK13
Enamelling
20
26
6
20

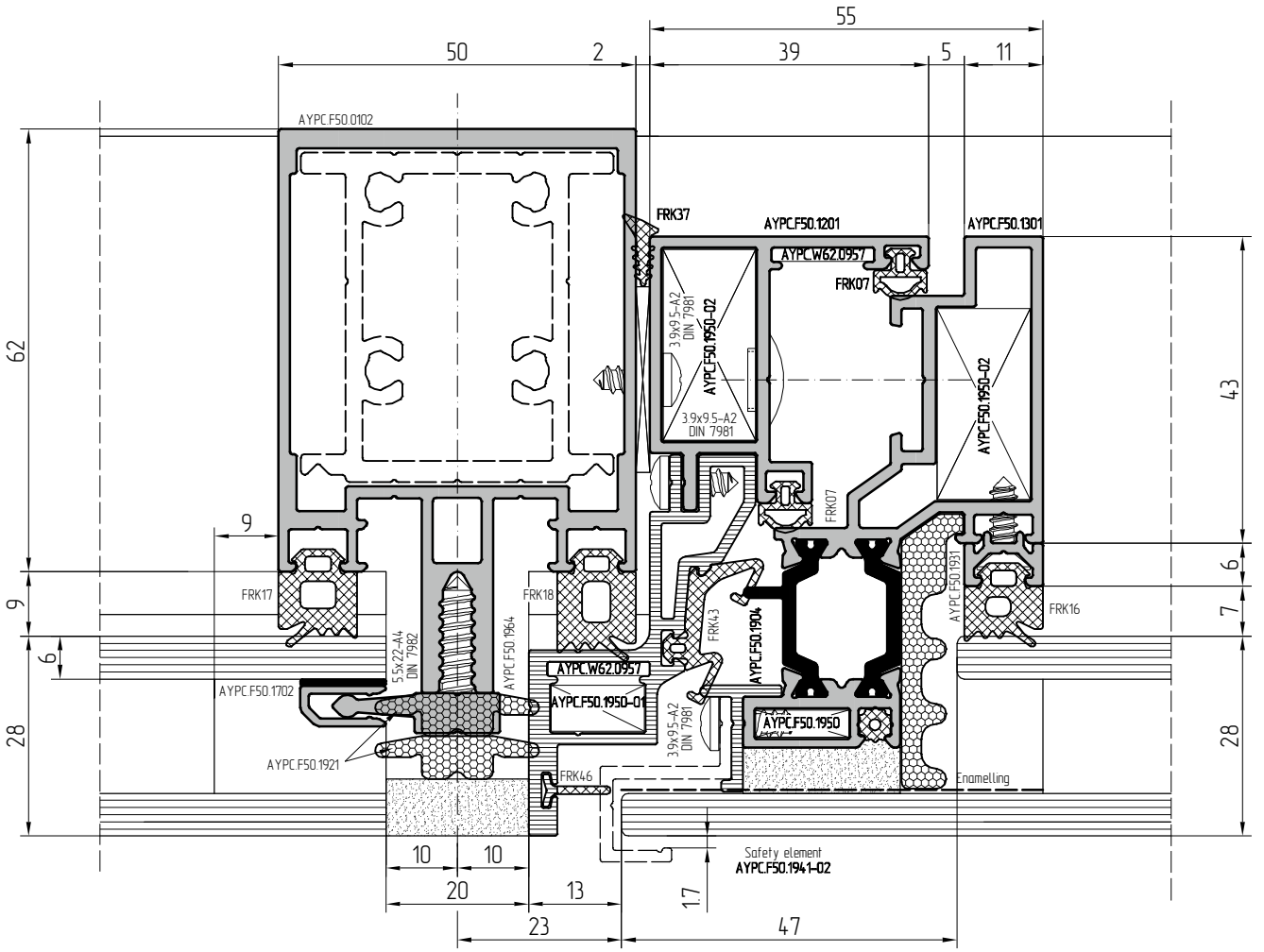
Scale 1:1



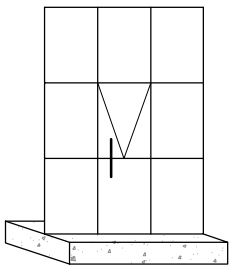

50
1.5
AYPC.F50.0103
Joint sealant
AYPC.F50.0303
3.9x16-A2 DIN 7982
5.5x22-A4 DIN 7982
AYPC.F50.1964
AYPC.F50.1964-01
FRK17
FRK18
9
6
28
6
AYPC.F50.1702
AYPC.F50.1921
3.9x9.5-A2 DIN 7981
AYPC.F50.1204
Joint sealant
2.3 mm Belt "3M" VHB-B23F
4.2 mm Aluminium composite panel
20

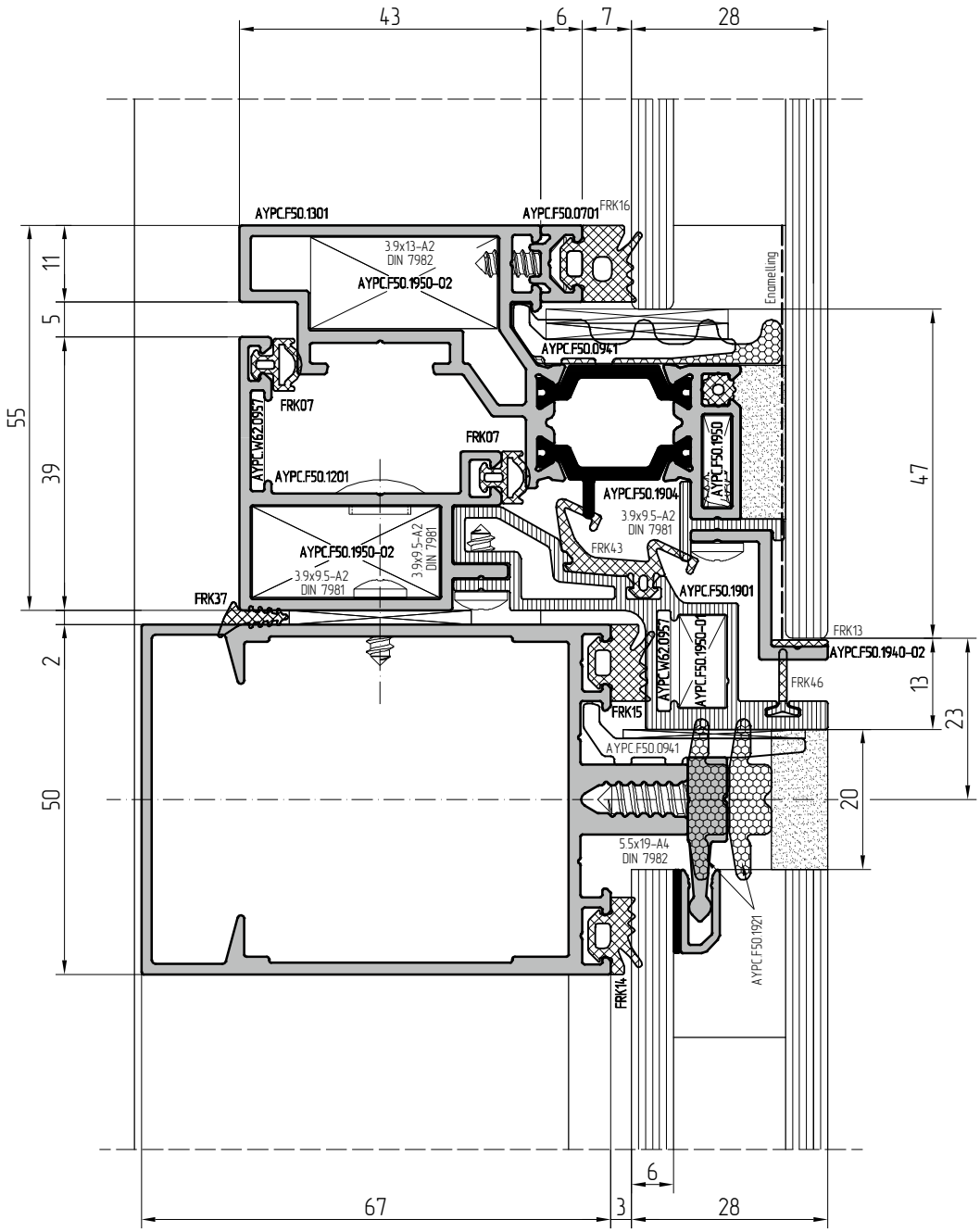
Scale 1:1



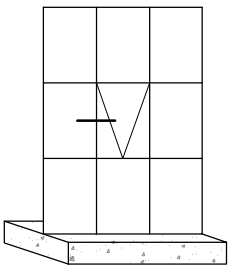

55
50
2
39
5
11
AYPC.F50.0102
FRK37
AYPC.F50.1201
AYPC.F50.1301
AYPC.W62.0957
FRK07
3.9x9.5-A2 DIN 7981
AYPC.F50.1950-02
AYPC.F50.1950-02
62
43
9
FRK07
6
9
FRK17
FRK18
AYPC.F50.1931
FRK16
7
6
5.5x22-A4 DIN 7982
AYPC.F50.1964
FRK43
AYPC.F50.1904
AYPC.W62.0957
AYPC.F50.1702
AYPC.F50.1950-01
AYPC.F50.1950
28
28
3.9x9.5-A2 DIN 7981
AYPC.F50.1921
FRK46
Enamelling
10
10
Safety element
AYPC.F50.1941-02
20
13
17
23
47

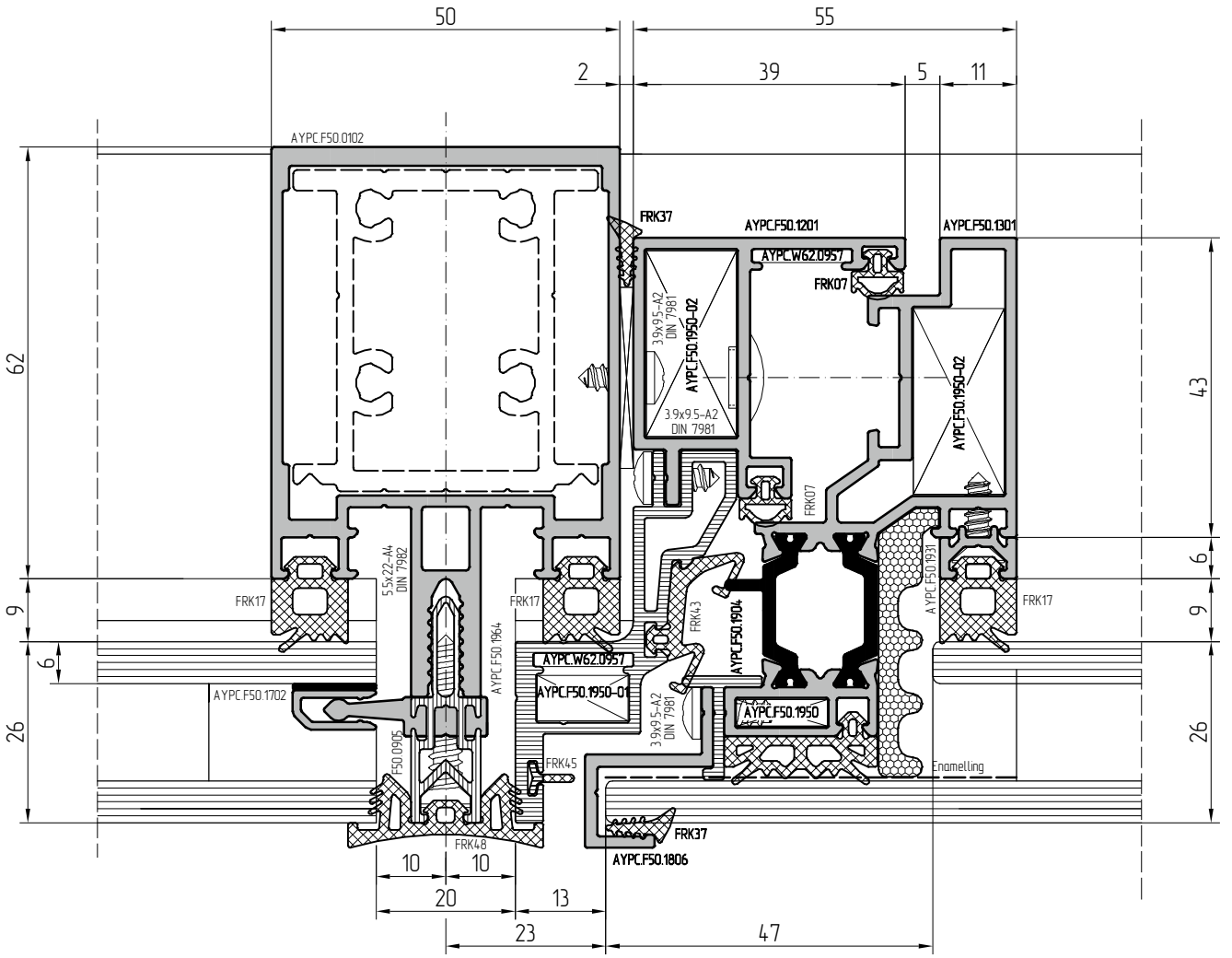
Scale 1:1



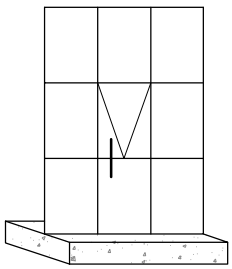

43
6
7
28
AYPC.F50.1301
AYPC.F50.0701
FRK16
3.9x13-A2
DIN 7982
AYPC.F50.1950-02
Enamelling
AYPC.F50.0941
FRK07
FRK07
AYPC.W62.0957
AYPC.F50.1201
AYPC.F50.1904
3.9x9.5-A2
DIN 7981
AYPC.F50.1950
AYPC.F50.1950-02
3.9x9.5-A2
DIN 7981
3.9x9.5-A2
DIN 7981
FRK43
FRK37
AYPC.F50.1901
FRK13
AYPC.F50.1940-02
AYPC.W62.0957
AYPC.F50.1950-01
FRK46
FRK15
AYPC.F50.0941
5.5x19-A4
DIN 7982
AYPC.F50.1921
FRK14
55
11
5
39
2
50
47
13
23
20
6
67
3
28

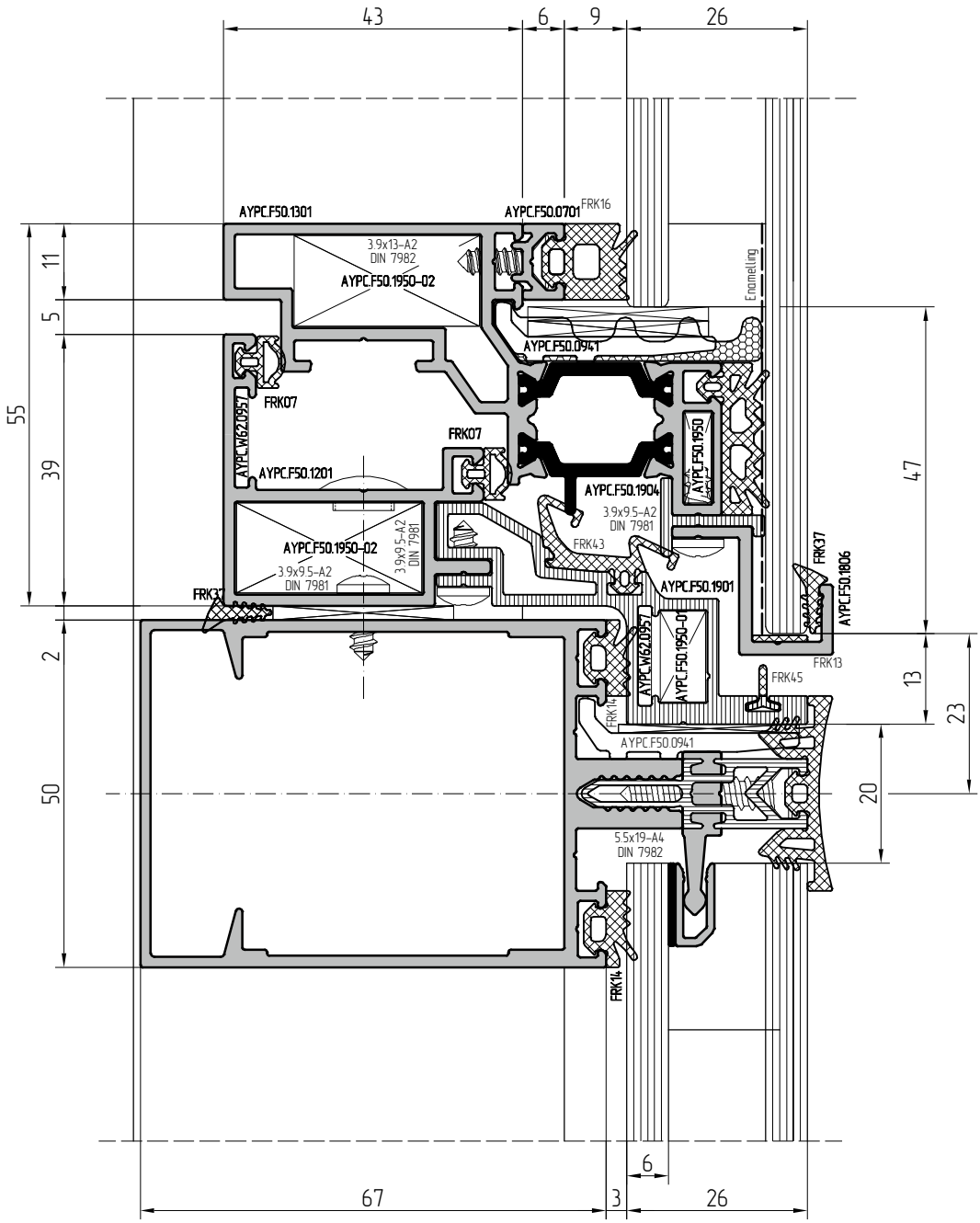
Scale 1:1



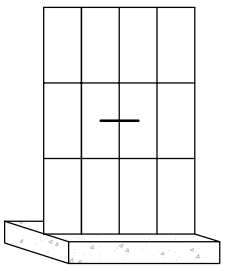

50
55
2
39
5
11
AYPC.F50.0102
FRK37
AYPC.F50.1201
AYPC.F50.1301
AYPC.W62.0957
FRK07
3.9x9.5-A2 DIN 7981
AYPC.F50.1950-02
3.9x9.5-A2 DIN 7981
AYPC.F50.1950-02
FRK07
62
43
6
9
FRK17
5.5x22-A4 DIN 7982
FRK17
AYPC.F50.1964
FRK43
AYPC.F50.1904
AYPC.F50.1931
FRK17
9
6
AYPC.W62.0957
AYPC.F50.1950-01
AYPC.F50.1950
AYPC.F50.1702
3.9x9.5-A2 DIN 7981
26
26
F50.0905
FRK45
Enamelling
FRK37
AYPC.F50.1806
FRK48
10
10
20
13
23
47

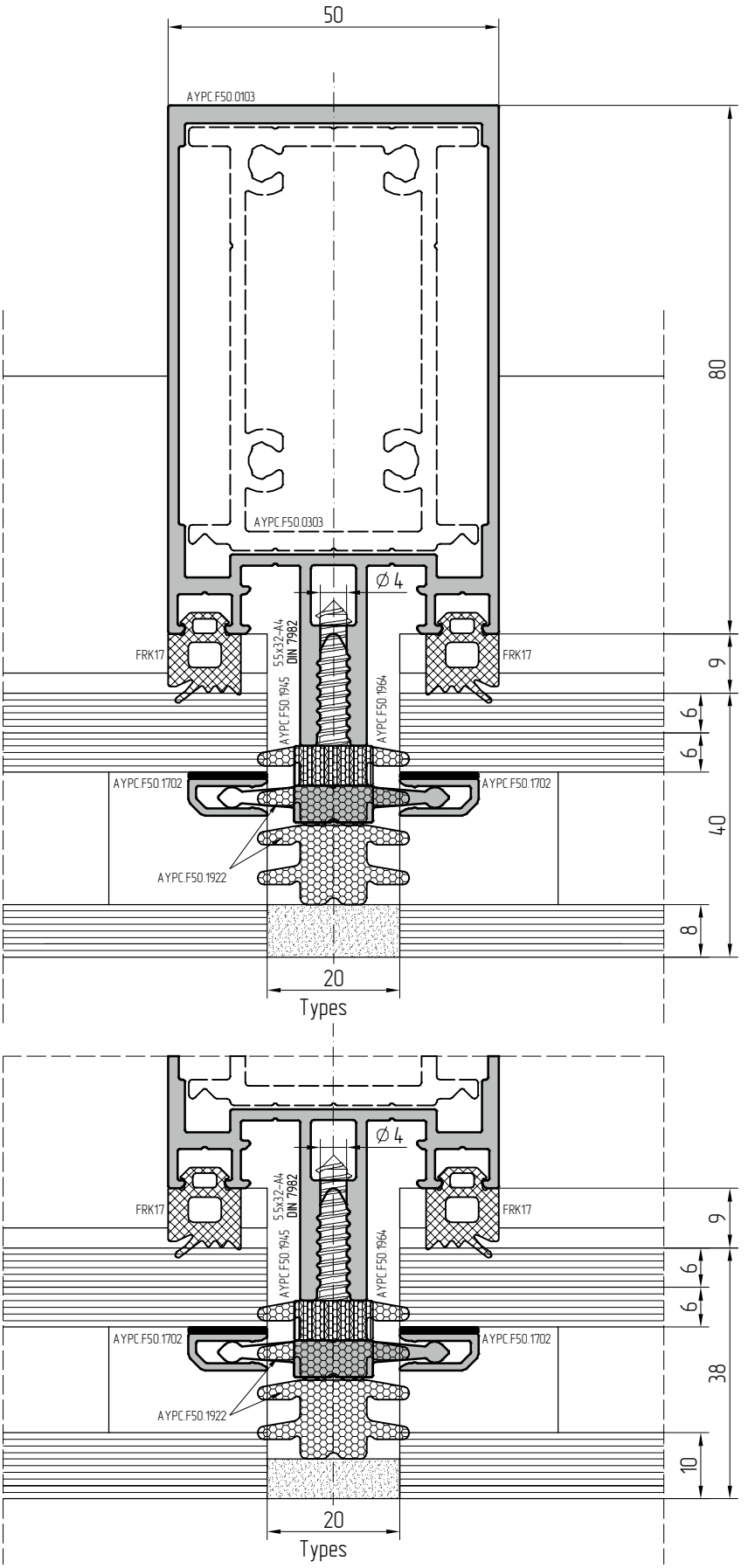
Scale 1:1



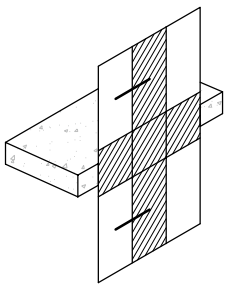

43
6
9
26
AYPC.F50.1301
AYPC.F50.0701
FRK16
3.9x13-A2
DIN 7982
AYPC.F50.1950-02
Enamelling
AYPC.F50.0941
FRK07
AYPC.W62.0957
FRK07
AYPC.F50.1201
AYPC.F50.1904
3.9x9.5-A2
DIN 7981
AYPC.F50.1950
AYPC.F50.1950-02
3.9x9.5-A2
DIN 7981
3.9x9.5-A2
DIN 7981
FRK43
FRK37
AYPC.F50.1806
FRK37
AYPC.F50.1901
AYPC.W62.0957
AYPC.F50.1950-01
FRK13
FRK45
FRK14
AYPC.F50.0941
5.5x19-A4
DIN 7982
FRK14
55
11
5
39
2
50
47
13
23
20
6
67
3
26

Scale 1:1

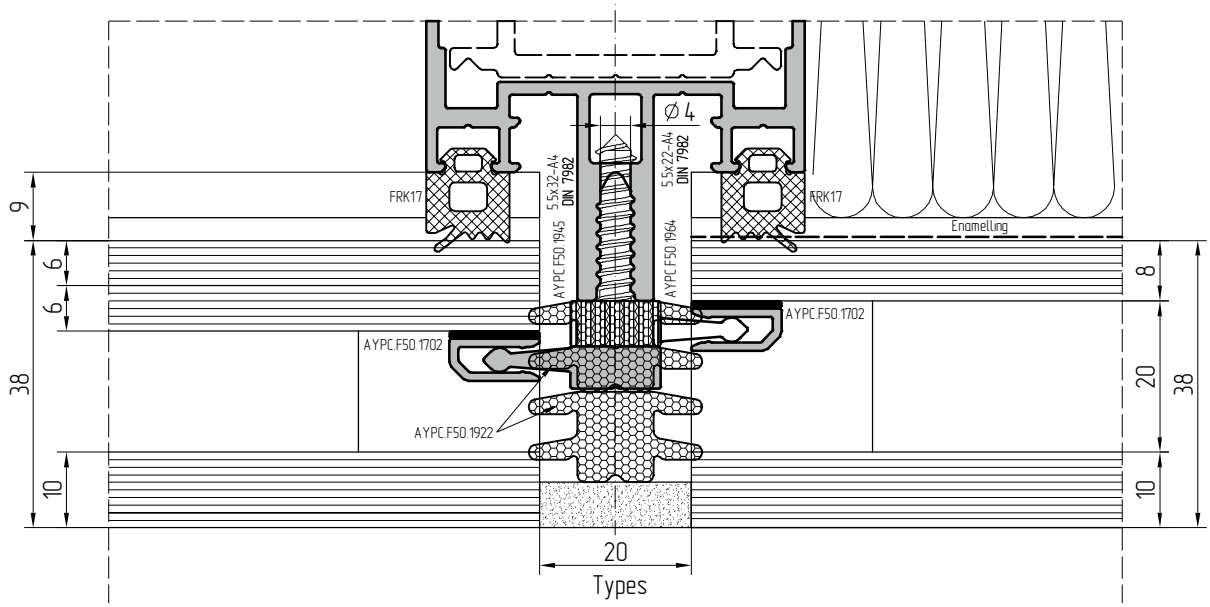



50
AYPC.F50.0103
AYPC.F50.0303
Ø 4
FRK17
FRK17
5.5x32-A4 DIN 7982
AYPC.F50.1945
AYPC.F50.1964
AYPC.F50.1702
AYPC.F50.1702
AYPC.F50.1922
80
9
6
6
40
8
20
Types
Ø 4
FRK17
FRK17
5.5x32-A4 DIN 7982
AYPC.F50.1945
AYPC.F50.1964
AYPC.F50.1702
AYPC.F50.1702
AYPC.F50.1922
9
6
6
38
10
20
Types

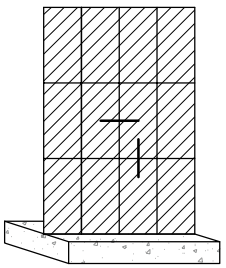
Scale 1:1

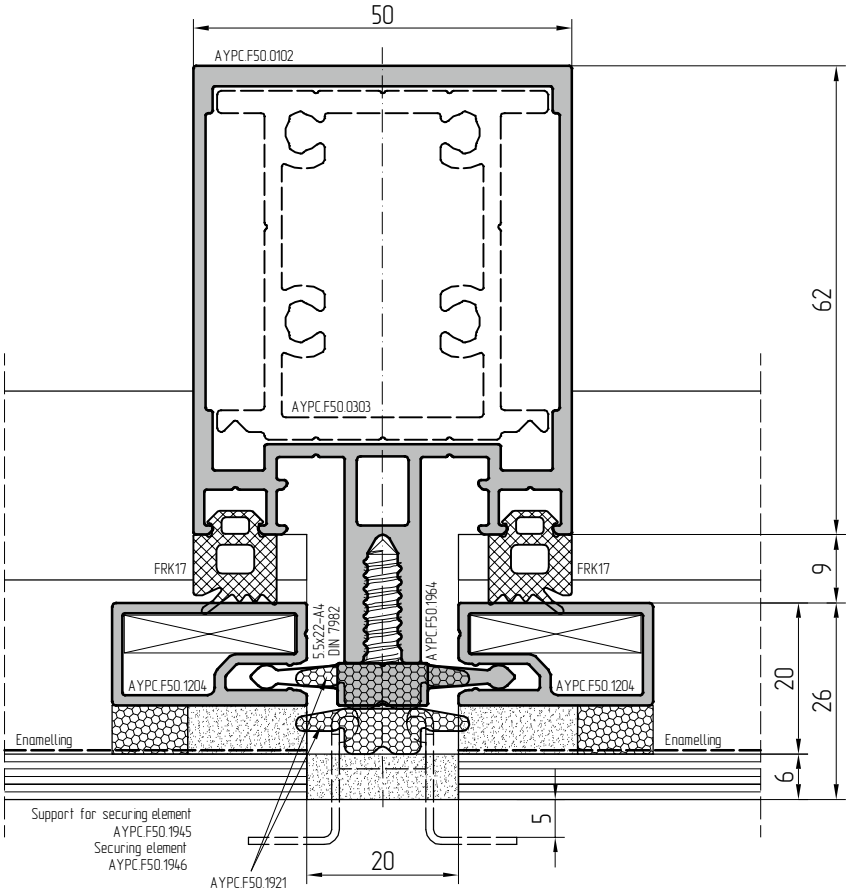


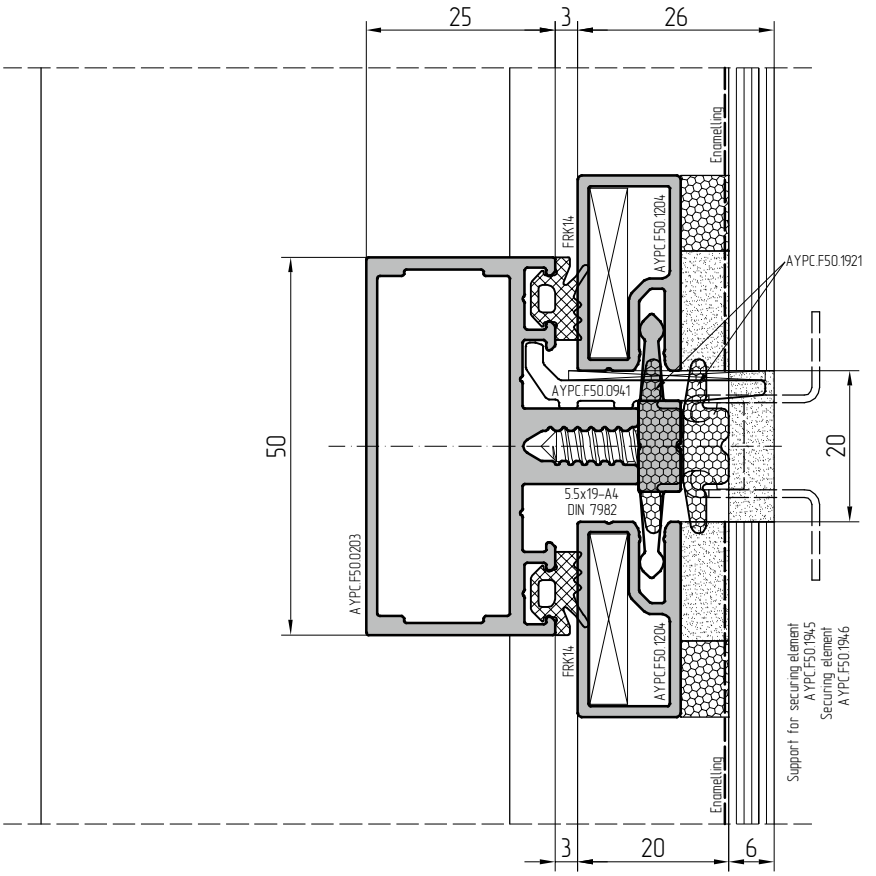
50
1.5
AYPC.F50.0103
Joint sealant
AYPC.F50.0303
Ø4
5.5x22-A4 DIN 7982
5.5x32-A4 DIN 7982
FRK17
AYPC.F50.1945
AYPC.F50.1964
AYPC.F50.1915
AYPC.F50.1702
AYPC.F50.1922
AYPC.F50.1205
FRK13
Enamelling
39
9
6
6
40
8
32
40
8
20
Type


Ø 4
5.5x22-A4 DIN 7982
5.5x32-A4 DIN 7982
FRK17
AYPC.F50.1945
AYPC.F50.1964
AYPC.F50.1702
AYPC.F50.1922
Enamelling
9
6
6
38
10
8
20
38
10
20
Types

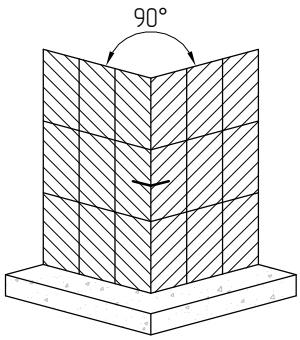
Scale 1:1

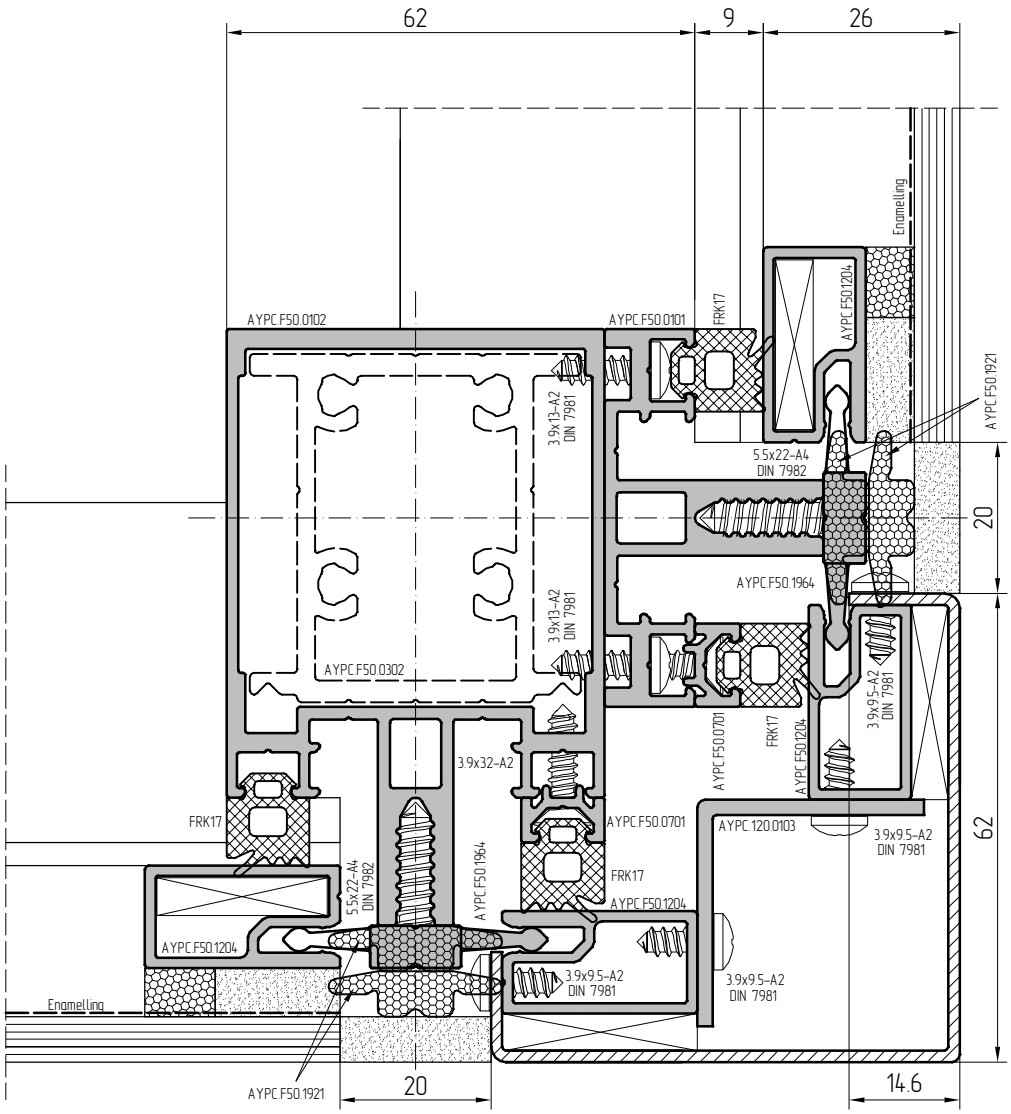



50
AYPC.F50.0102
AYPC.F50.0303
62
FRK17
FRK17
9
5.5x22-A4
DIN 7982
AYPC.F50.1964
AYPC.F50.1204
AYPC.F50.1204
20
26
Enamelling
Enamelling
6
Support for securing element
AYPC.F50.1945
Securing element
AYPC.F50.1946
5
20
AYPC.F50.1921

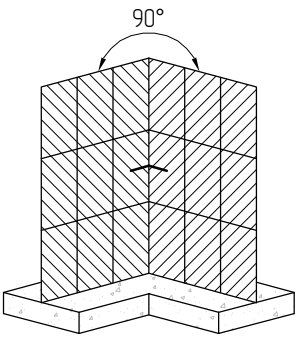

25
3
26
Enamelling
FRK14
AYPC.F50.1204
AYPC.F50.1921
AYPC.F50.0941
50
20
5.5x19-A4
DIN 7982
AYPC.F50.0203
FRK14
AYPC.F50.1204
Support for securing element
AYPC.F50.1945
Securing element
AYPC.F50.1946
Enamelling
3
20
6

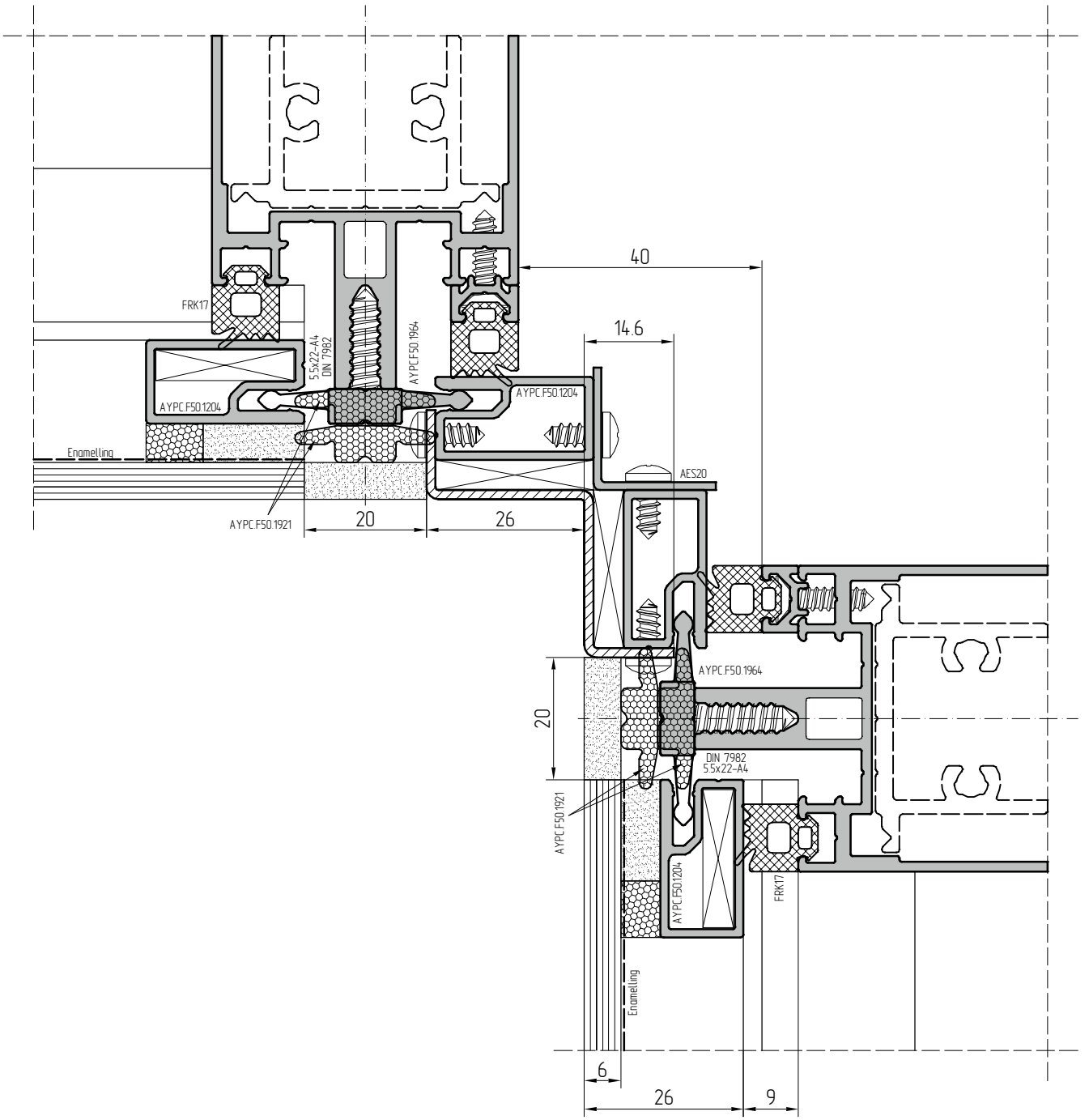
Scale 1:1


90°

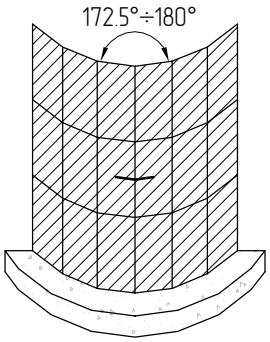

62
9
26
AYPC.F50.0102
AYPC.F50.0101
FRK17
AYPC.F50.1204
Enamelling
AYPC.F50.1921
3.9x13-A2 DIN 7981
5.5x22-A4 DIN 7982
20
AYPC.F50.1964
AYPC.F50.0302
AYPC.F50.0701
3.9x9.5-A2 DIN 7981
3.9x32-A2
FRK17
AYPC.120.0103
62
5.5x22-A4 DIN 7982
AYPC.F50.1964
FRK17
AYPC.F50.1204
AYPC.F50.1204
3.9x9.5-A2 DIN 7981
3.9x9.5-A2 DIN 7981
Enamelling
AYPC.F50.1921
20
14.6

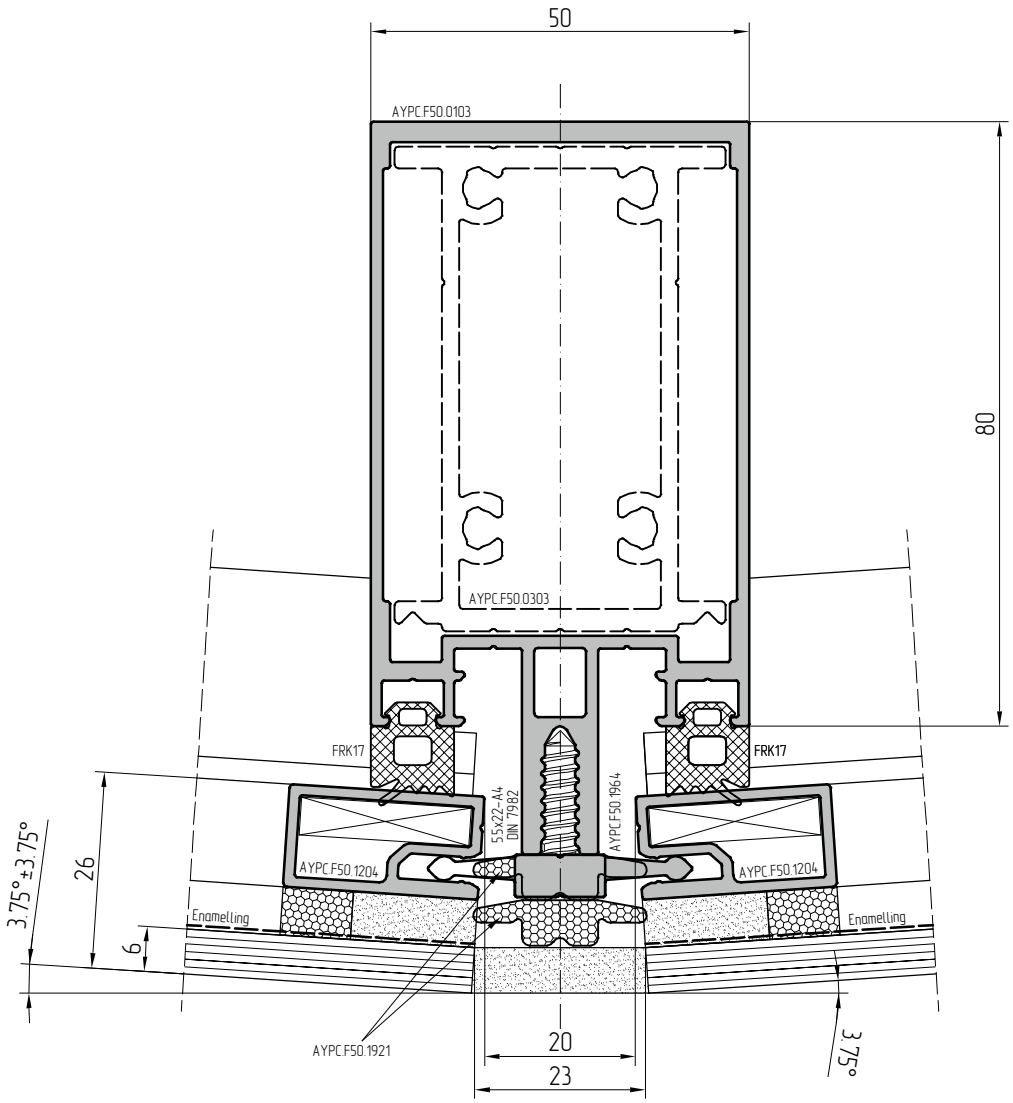
Scale 1:1


90°

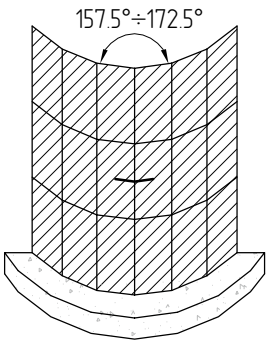

40
14.6
FRK17
5.5x22-A4
DIN 7982
AYPC.F50.1964
AYPC.F50.1204
AYPC.F50.1204
Enamelling
AES20
AYPC.F50.1921
20
26
AYPC.F50.1964
20
DIN 7982
5.5x22-A4
AYPC.F50.1921
AYPC.F50.1204
FRK17
Enamelling
6
26
9

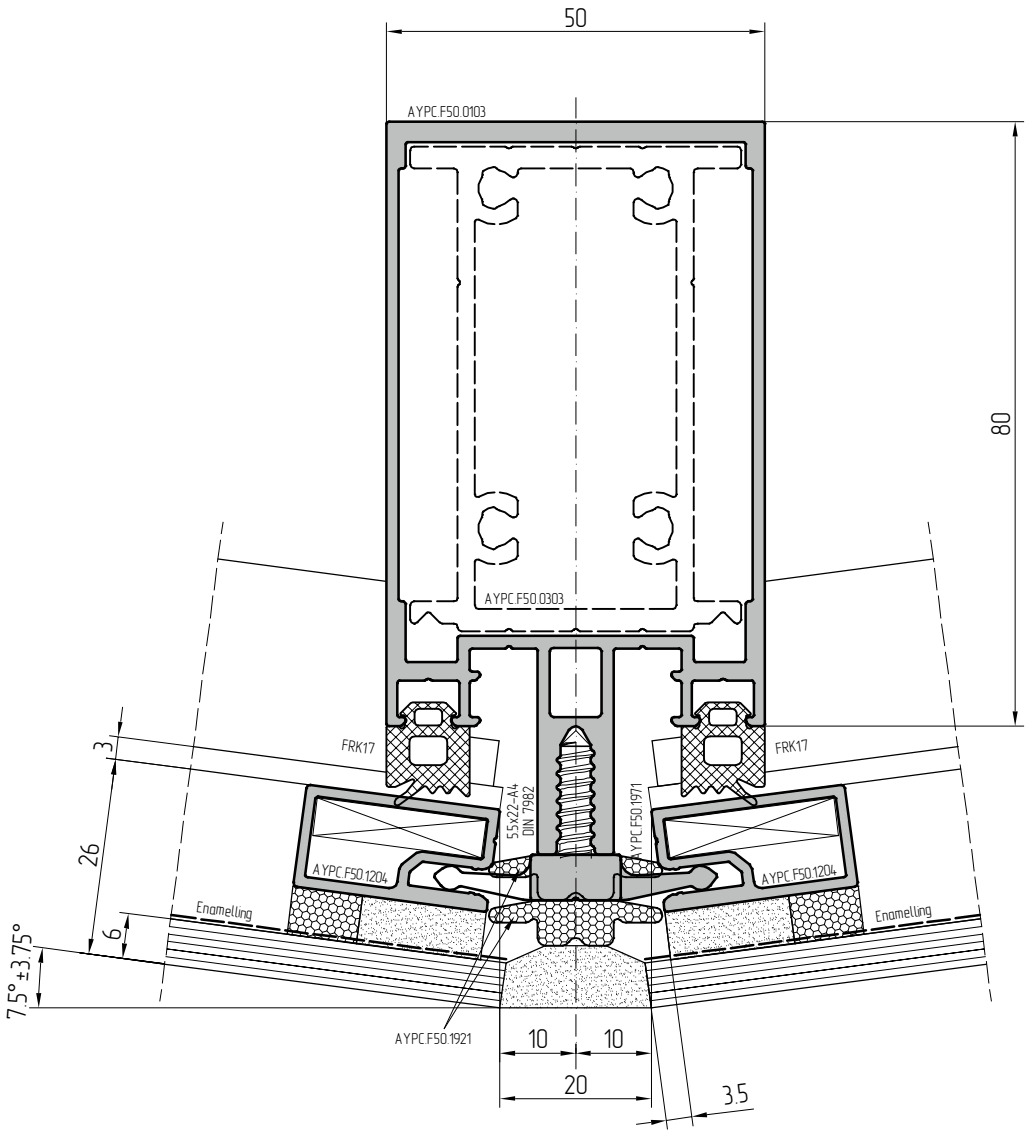
Scale 1:1


172.5°÷180°

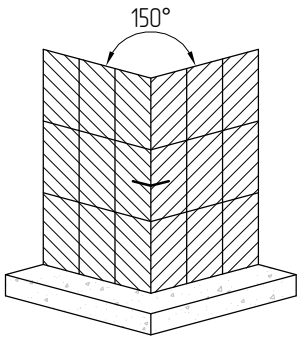

50
AYPC.F50.0103
80
AYPC.F50.0303
FRK17
FRK17
55x22-A4
DIN 7982
AYPC.F50.1964
AYPC.F50.1204
AYPC.F50.1204
Enamelling
Enamelling
3.75°±3.75°
26
6
AYPC.F50.1921
20
23
3.75°

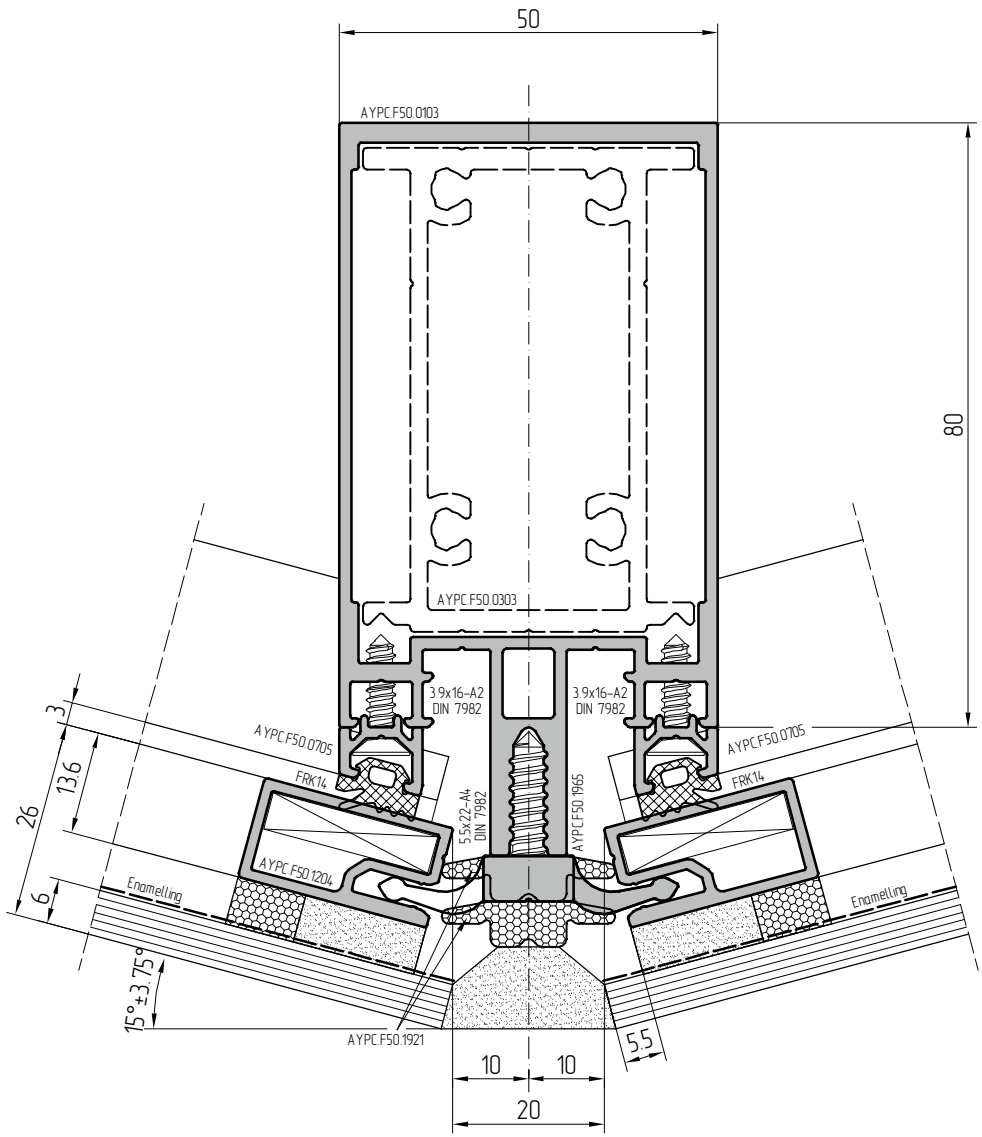
Scale 1:1


157.5°÷172.5°

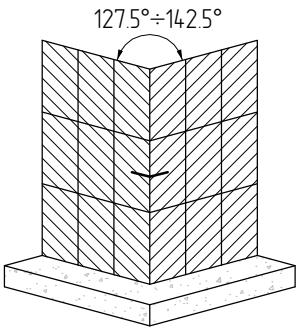

50
AYPC.F50.0103
80
AYPC.F50.0303
FRK17
FRK17
5.5x22-A4
DIN 7982
AYPC.F50.1971
AYPC.F50.1204
AYPC.F50.1204
Enamelling
Enamelling
3
26
6
7.5°±3.75°
AYPC.F50.1921
10
10
20
3.5

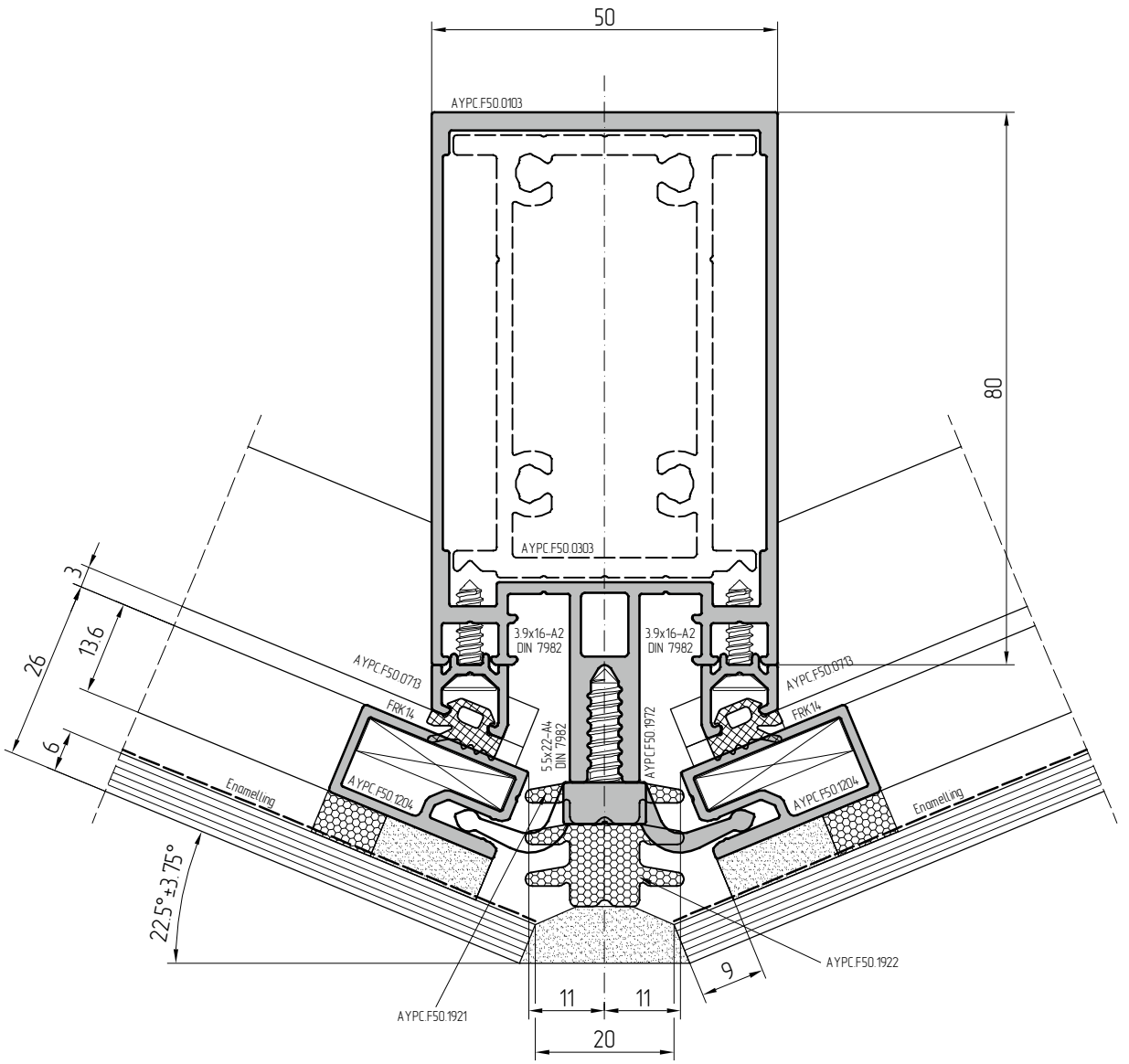
Scale 1:1


150°


50
AYPC.F50.0103
80
AYPC.F50.0303
3.9x16-A2
DIN 7982
3.9x16-A2
DIN 7982
AYPC.F50.0705
FRK14
AYPC.F50.0705
FRK14
5.5x22-A4
DIN 7982
AYPC.F50.1965
AYPC.F50.1204
Enamelling
Enamelling
3
13.6
26
6
15°±3.75°
AYPC.F50.1921
5.5
10
10
20

Scale 1:1


127.5°÷142.5°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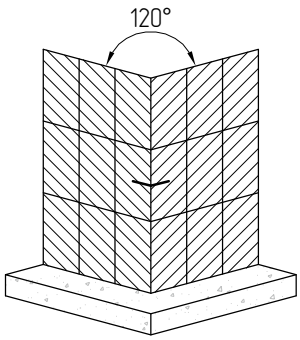
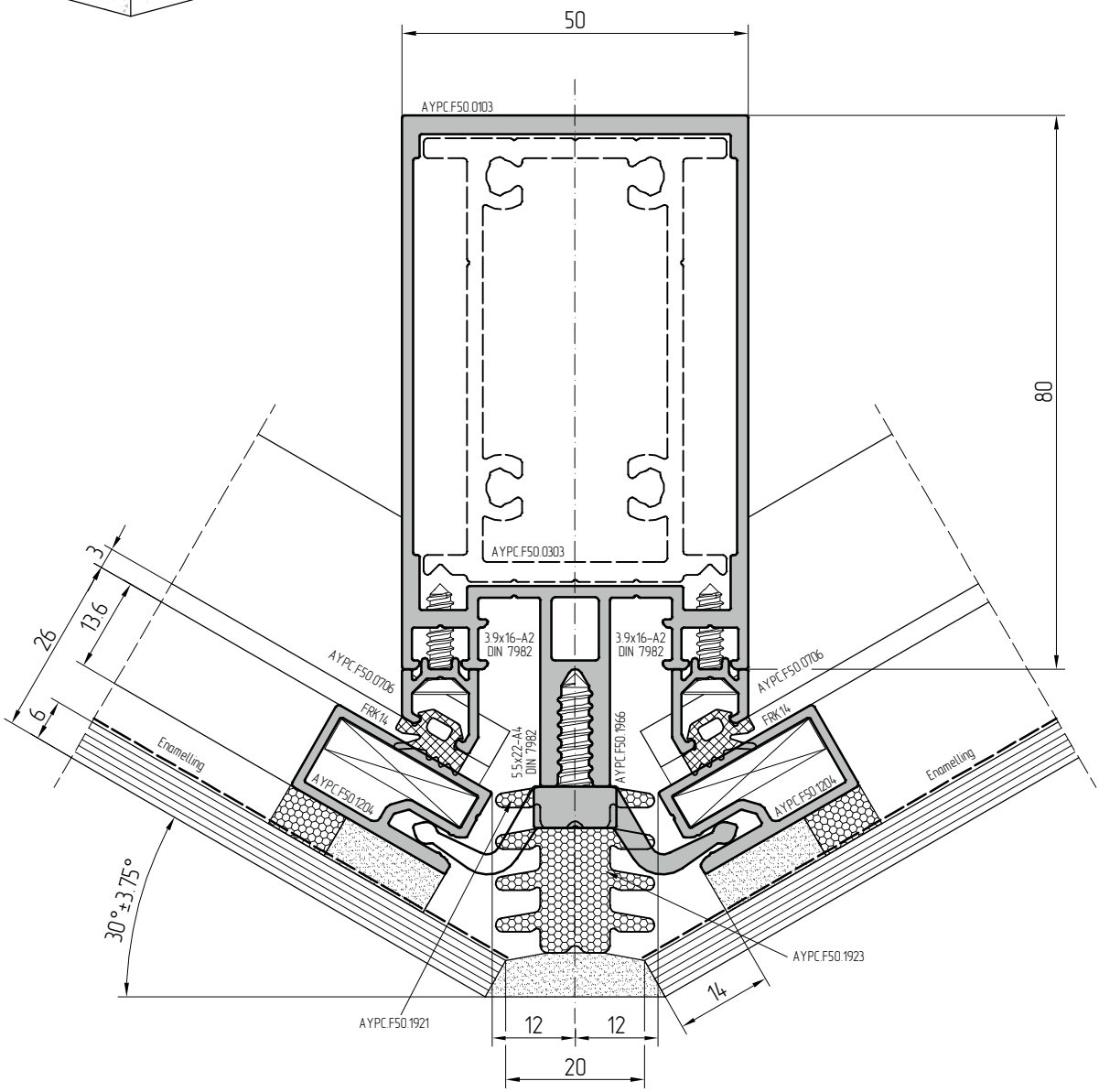
AYPC.F50.0103
80
AYPC.F50.0303
3.9x16-A2
DIN 7982
3.9x16-A2
DIN 7982
AYPC.F50.0713
FRK14
AYPC.F50.0713
FRK14
5.5x22-A4
DIN 7982
AYPC.F50.1972
AYPC.F50.1204
AYPC.F50.1204
Enamelling
Enamelling
3
13.6
26
6
22.5°±3.75°
AYPC.F50.1922
9
AYPC.F50.1921
11
11
20

Scale 1:1


120°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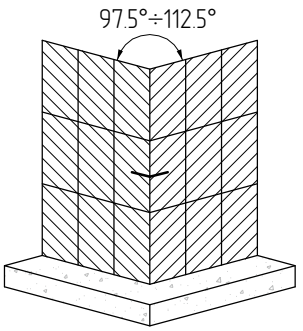
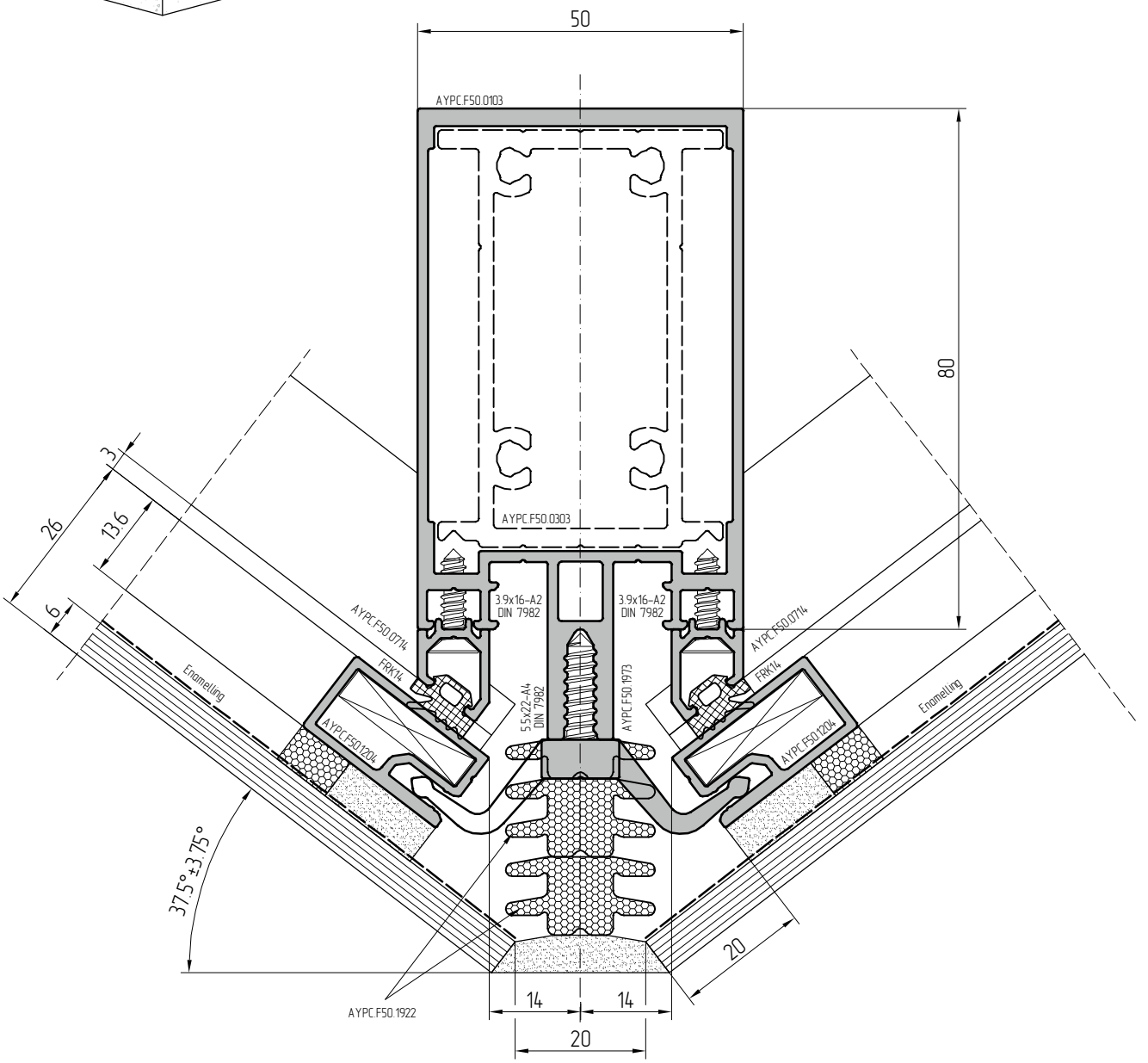
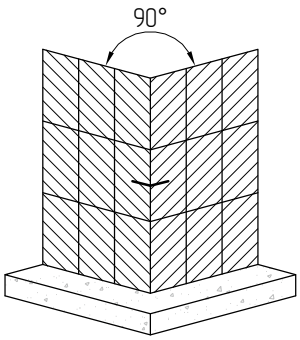
AYPC.F50.0103
80
AYPC.F50.0303
3.9x16-A2
DIN 7982
3.9x16-A2
DIN 7982
AYPC.F50.0706
AYPC.F50.0706
FRK14
FRK14
5.5x22-A4
DIN 7982
AYPC.F50.1966
AYPC.F50.1204
AYPC.F50.1204
Enamelling
Enamelling
3
26
13.6
6
30° ±3.75°
AYPC.F50.1923
AYPC.F50.1921
14
12
12
20

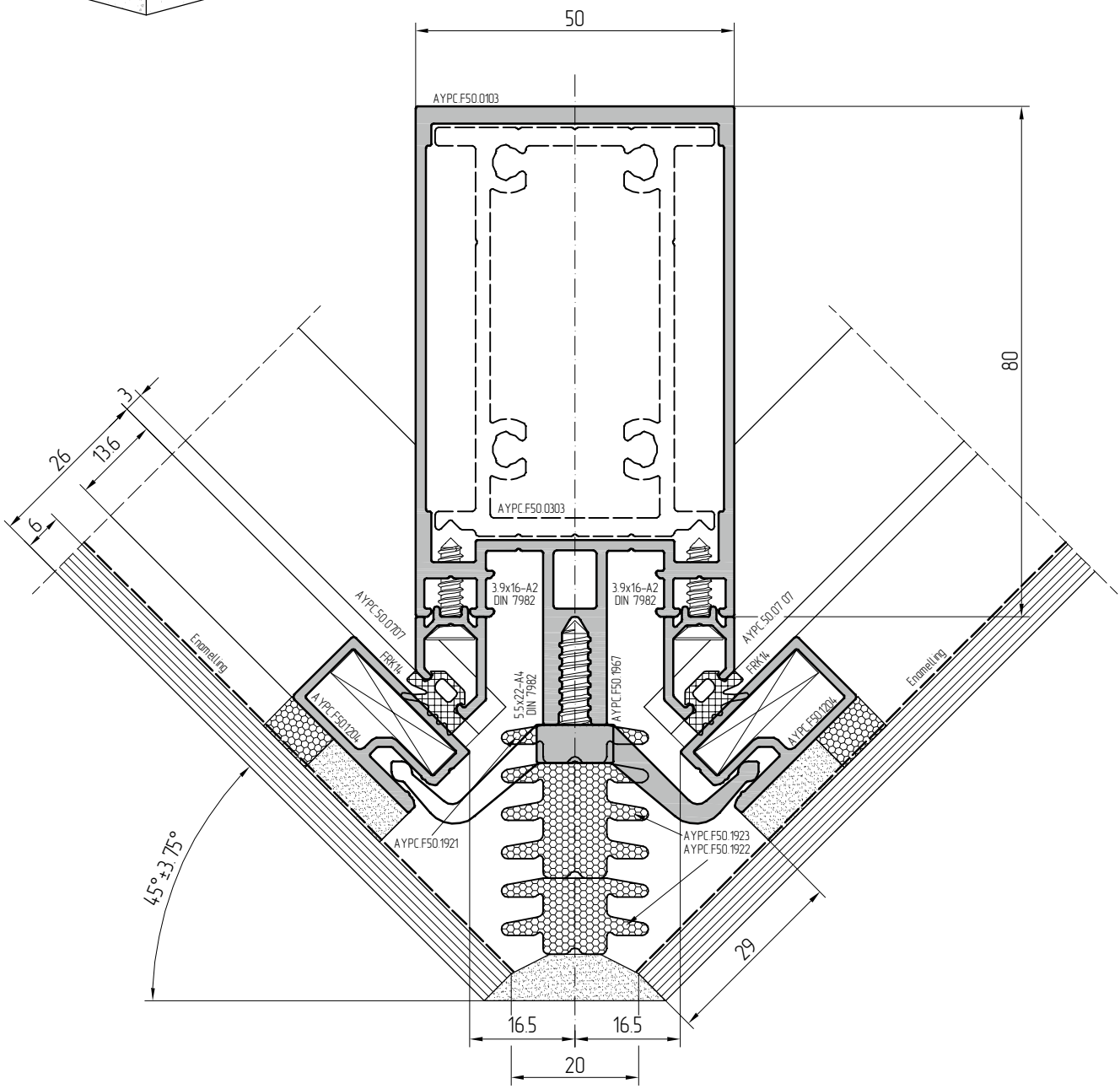
Scale 1:1


97.5°÷112.5°

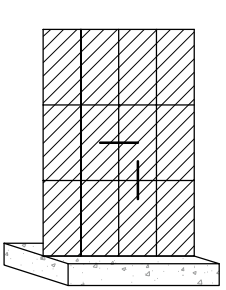

50
AYPC.F50.0103
AYPC.F50.0303
80
3
26
13.6
6
3.9x16-A2
DIN 7982
3.9x16-A2
DIN 7982
AYPC.F50.0714
AYPC.F50.0714
FRK14
FRK14
5.5x22-A4
DIN 7982
AYPC.F50.1973
AYPC.F501204
AYPC.F501204
Enameling
Enameling
37.5°±3.75°
20
AYPC.F50.1922
14
14
20

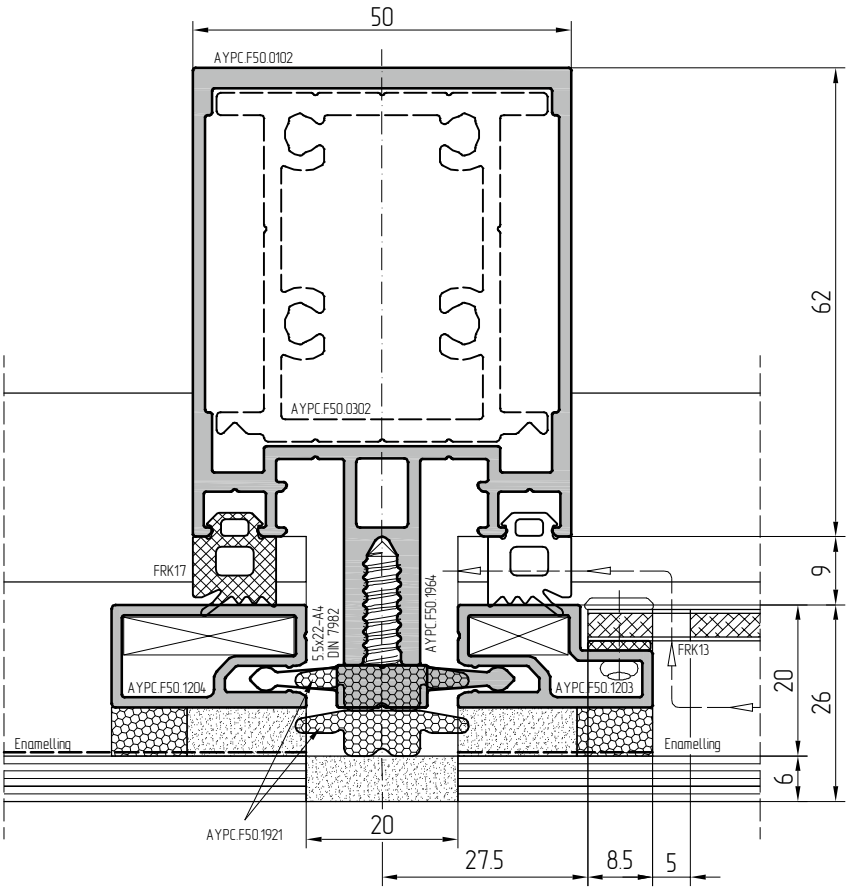
Scale 1:1

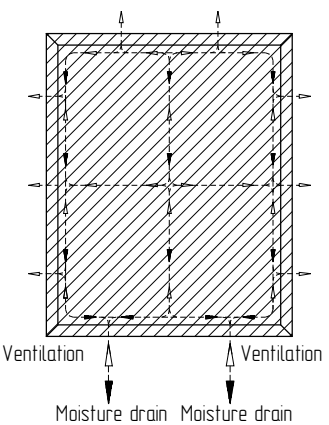

90°

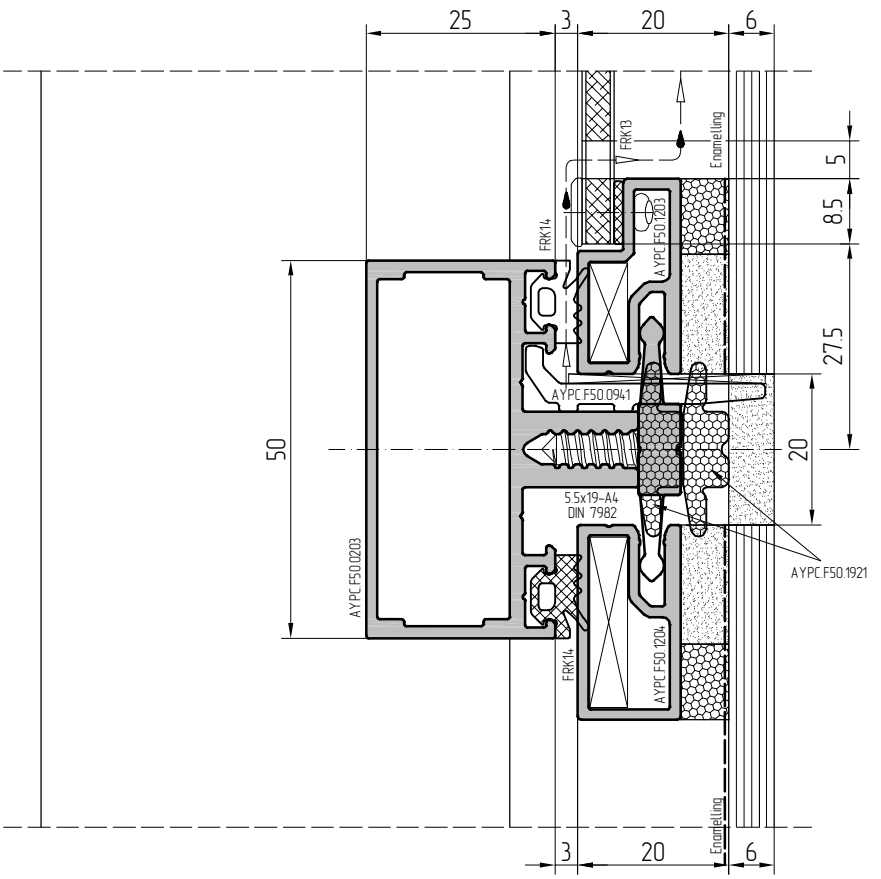

50
AYPC.F50.0103
AYPC.F50.0303
80
3
26
13.6
6
3.9x16-A2
DIN 7982
3.9x16-A2
DIN 7982
AYPC.50.0707
AYPC.50.07.07
FRK14
FRK14
5.5x22-A4
DIN 7982
AYPC.F50.1967
Enamel ing
Enamel ing
AYPC.F50.1201
AYPC.F50.1201
AYPC.F50.1921
AYPC.F50.1923
AYPC.F50.1922
45°±3.75°
29
16.5
16.5
20

Scale 1:1



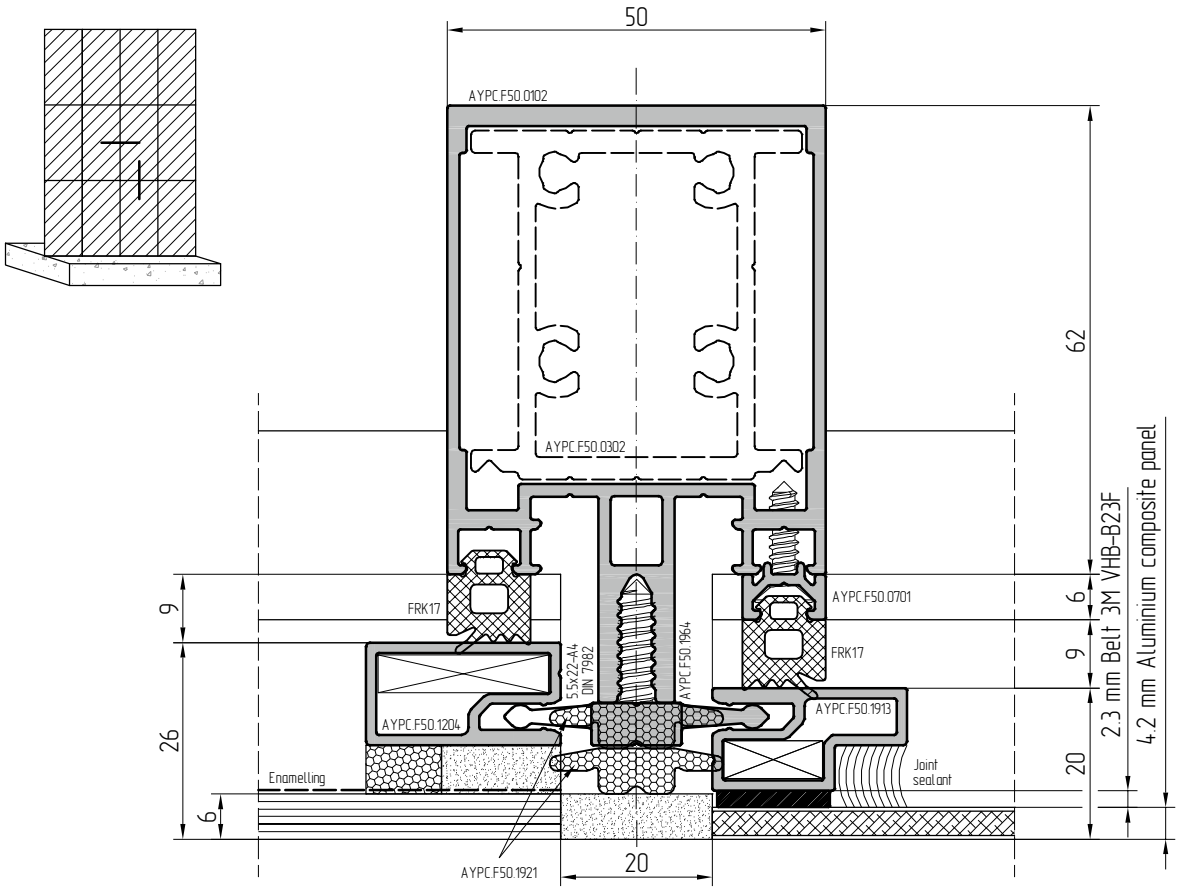


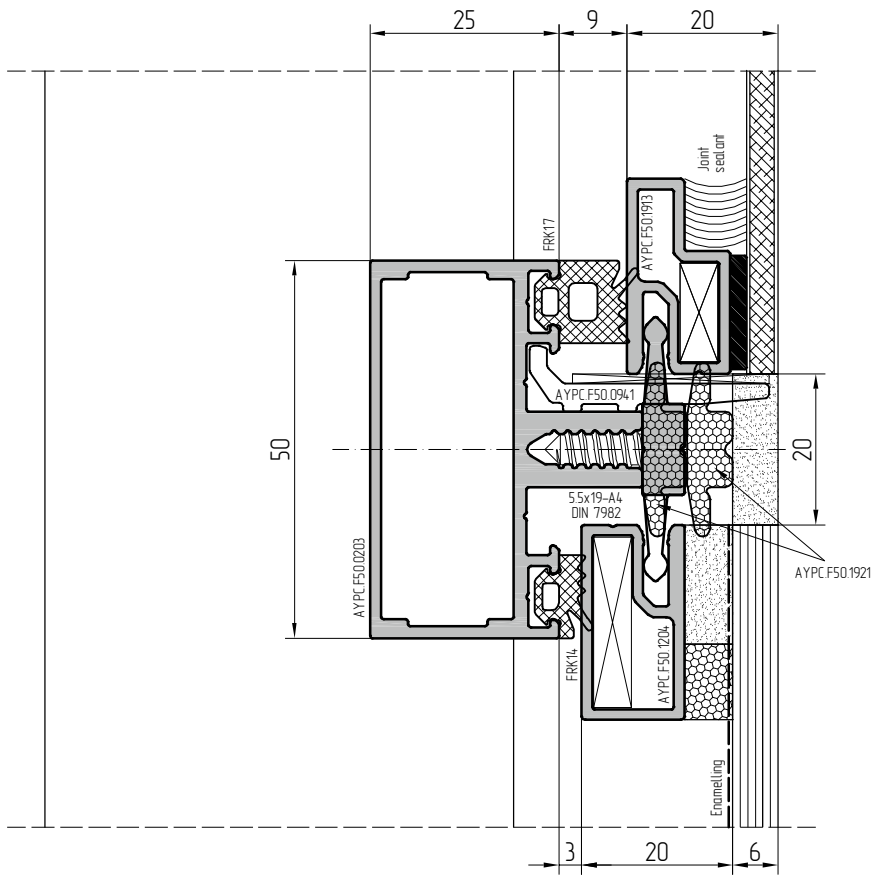




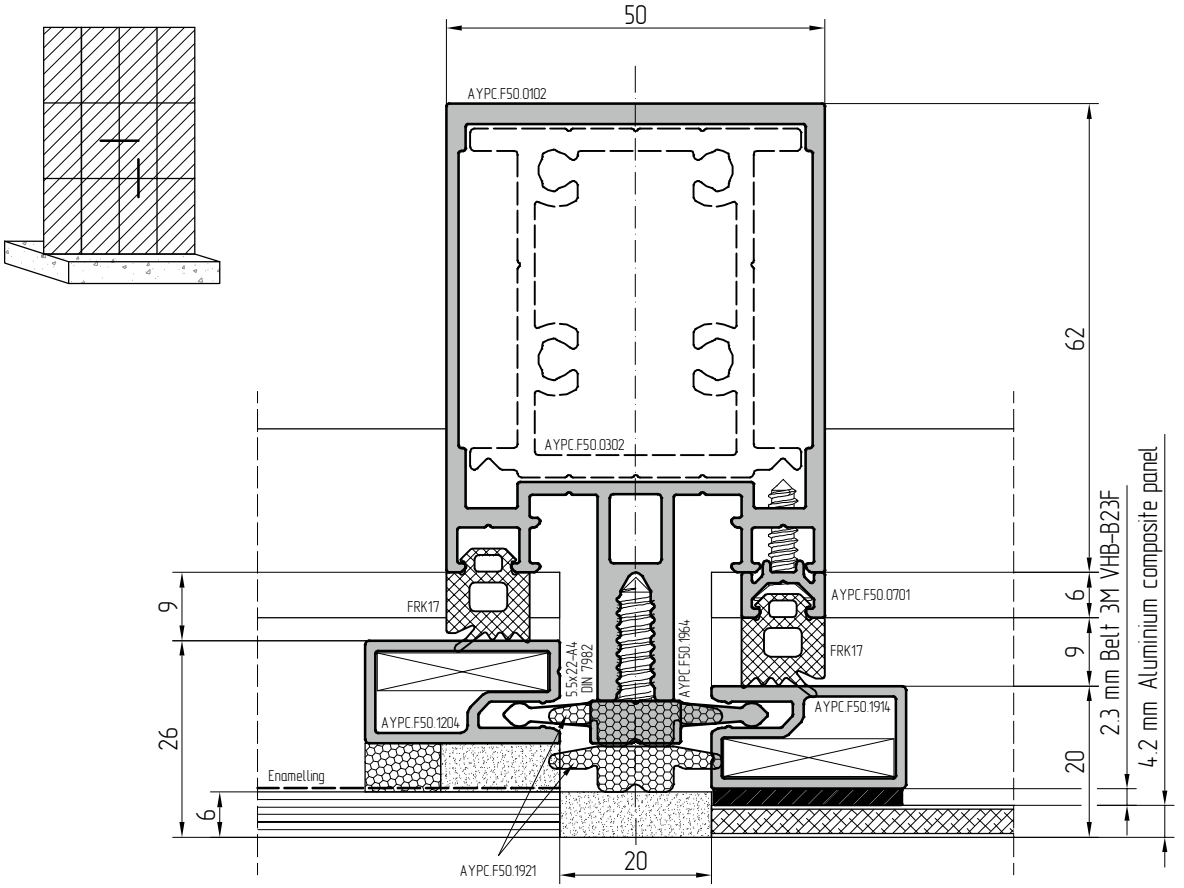
For moisture drain and ventilation it is important to make a slit of 50 mm length, indenting 225 mm from mullions and transoms axles. A slit must be made on a distance of 500 mm.

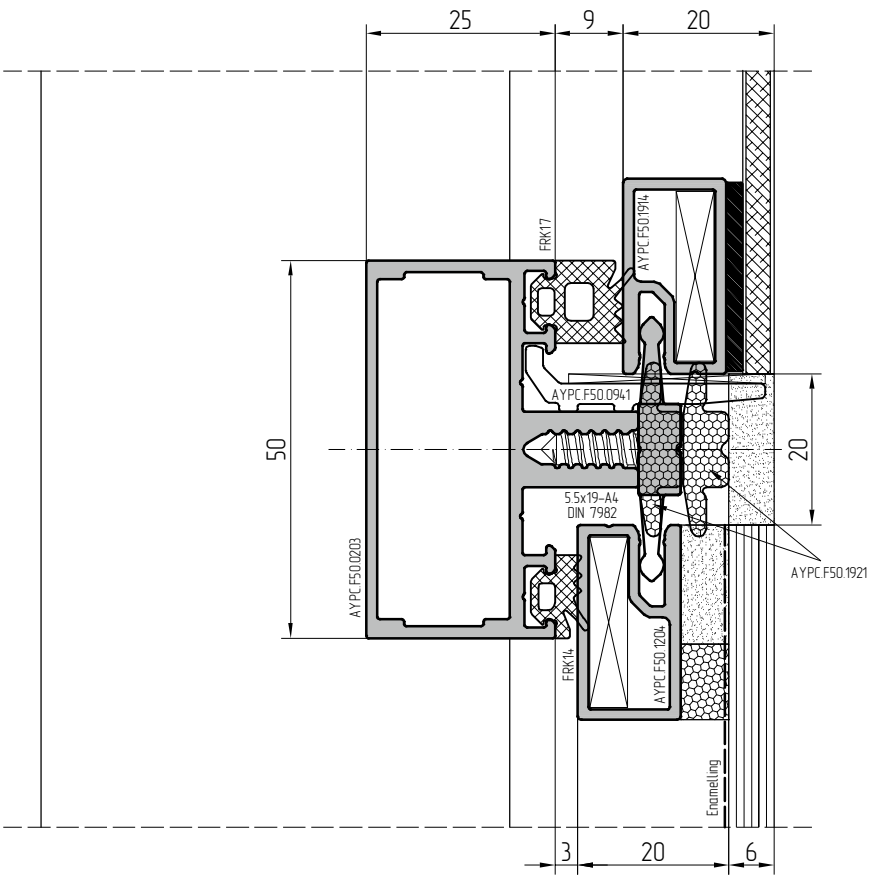
Scale 1:1


50
AYPC.F50.0102
AYPC.F50.0302
62
9
26
6
FRK17
AYPC.F50.0701
FRK17
AYPC.F50.1964
5.5x22-A4
DIN 7982
AYPC.F50.1204
AYPC.F50.1913
Enamelling
Joint
sealant
2.3 mm Belt 3M VHB-B23F
4.2 mm Aluminium composite panel
AYPC.F50.1921
20

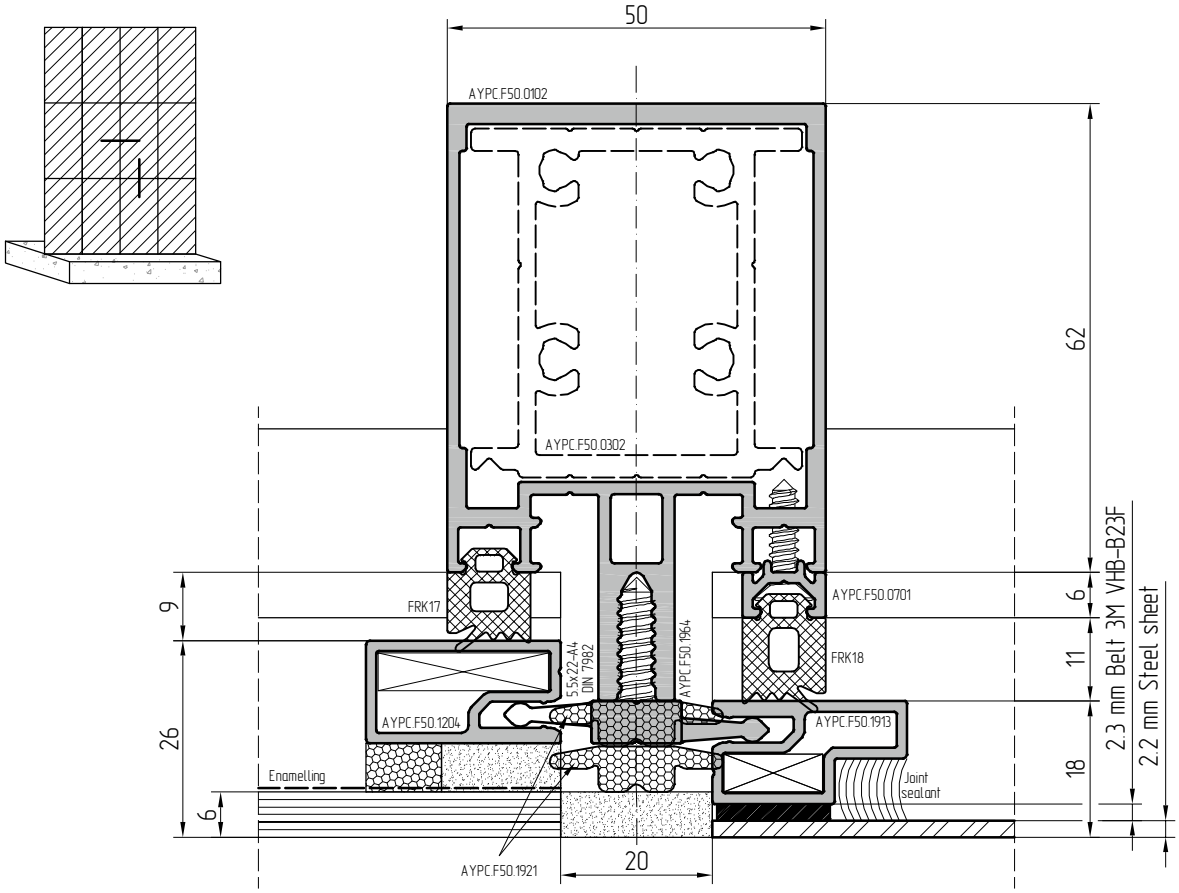

25
9
20
Joint
sealant
FRK17
AYPC.F50.1913
AYPC.F50.0941
50
20
5.5x19-A4
DIN 7982
AYPC.F50.1921
AYPC.F50.0203
FRK14
AYPC.F50.1204
Enamelling
3
20
6

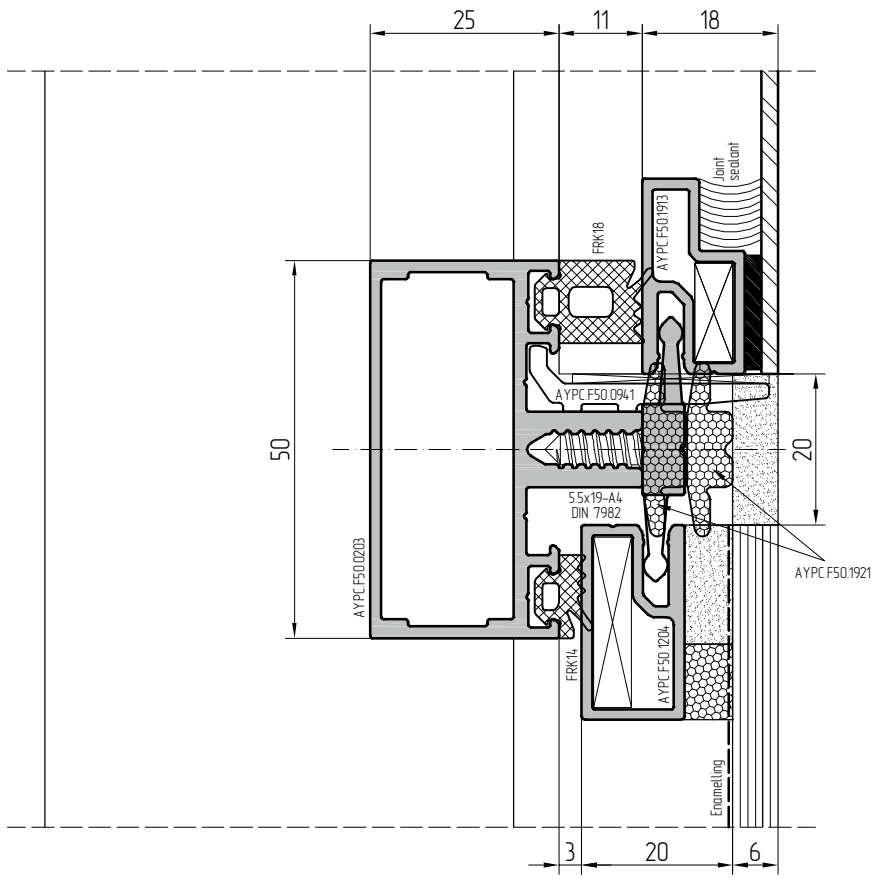
Scale 1:1


50
AYPC.F50.0102
AYPC.F50.0302
AYPC.F50.0701
FRK17
FRK17
AYPC.F50.1964
5.5x22-A4
DIN 7982
AYPC.F50.1204
AYPC.F50.1914
Enamelling
AYPC.F50.1921
20
62
6
9
26
6
9
20
2.3 mm Belt 3M VHB-B23F
4.2 mm Aluminium composite panel

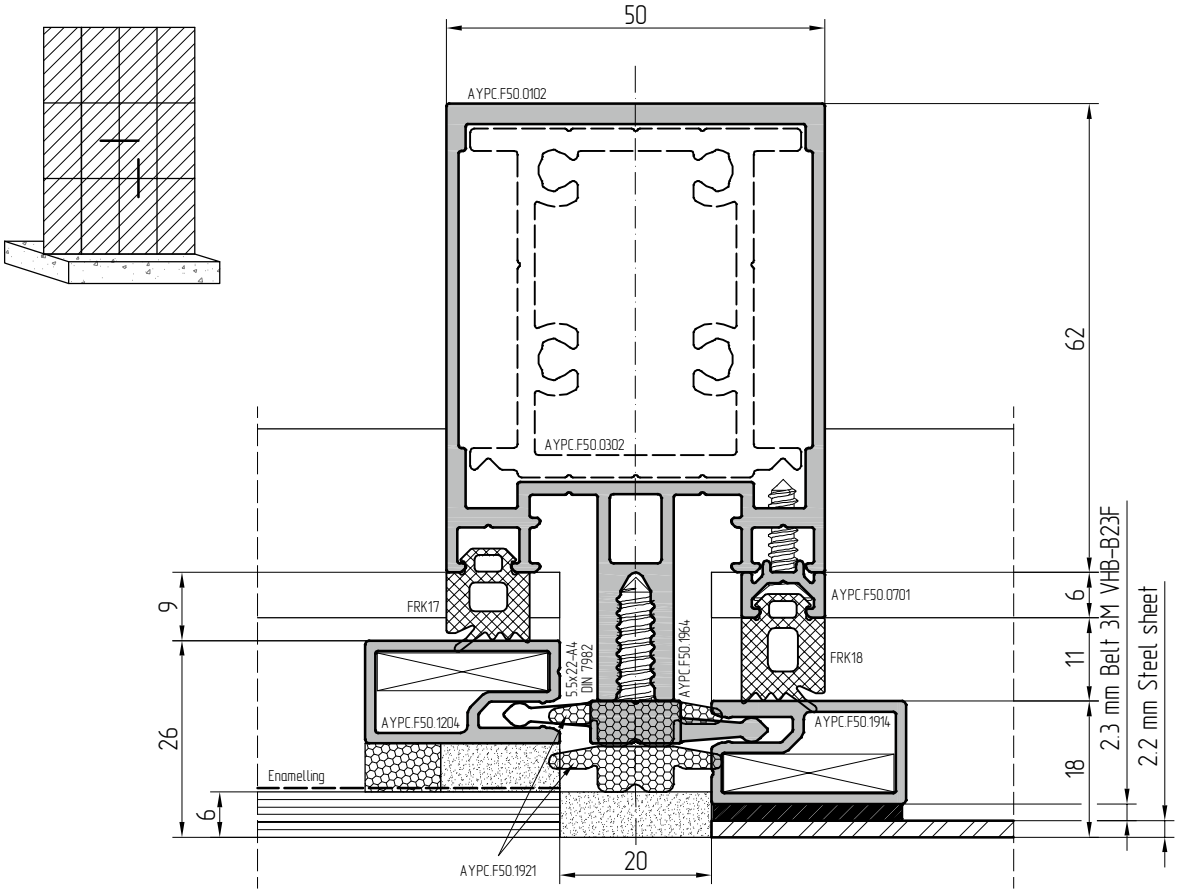

25
9
20
FRK17
AYPC.F50.1914
AYPC.F50.0941
50
20
5.5x19-A4
DIN 7982
AYPC.F50.0203
AYPC.F50.1921
FRK14
AYPC.F50.1204
Enamelling
3
20
6

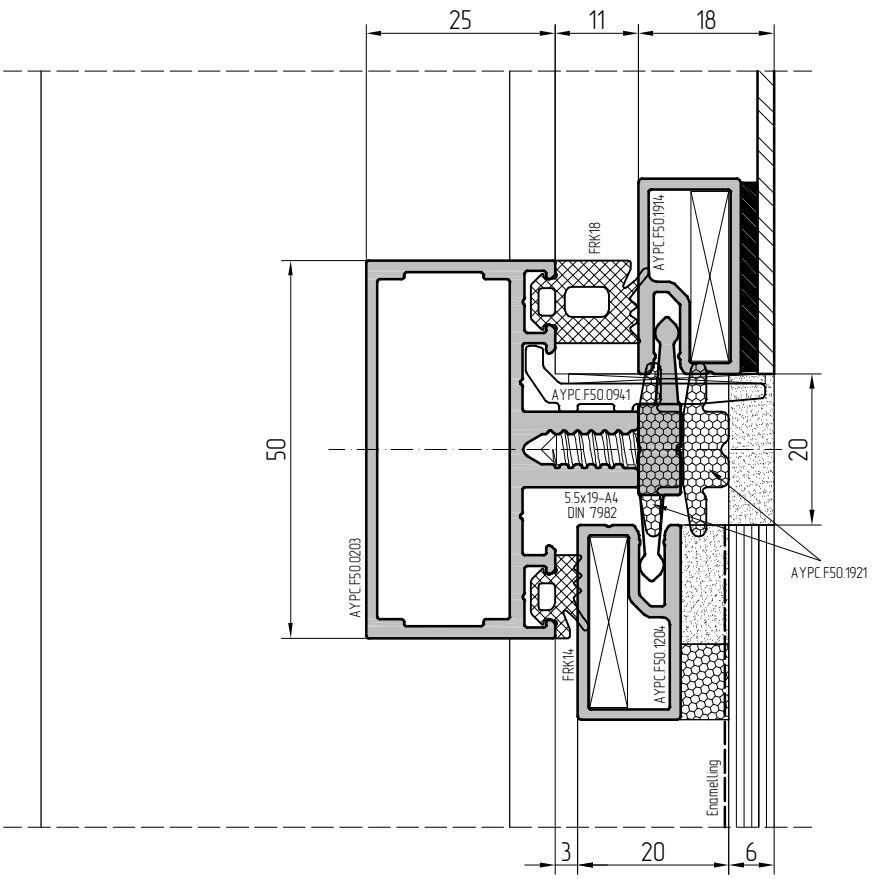
Scale 1:1


50
AYPC.F50.0102
AYPC.F50.0302
62
9
26
6
FRK17
AYPC.F50.0701
FRK18
AYPC.F50.1964
5.5x22-A4
DIN 7982
AYPC.F50.1204
AYPC.F50.1913
Enamelling
Joint
sealant
6
11
18
2.3 mm Belt 3M VHB-B23F
2.2 mm Steel sheet
AYPC.F50.1921
20

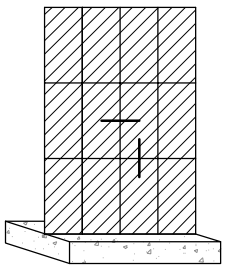

25
11
18
Joint
sealant
FRK18
AYPC.F50.1913
AYPC.F50.0941
50
20
5.5x19-A4
DIN 7982
AYPC.F50.1921
AYPC.F50.0203
FRK14
AYPC.F50.1204
Enamelling
3
20
6

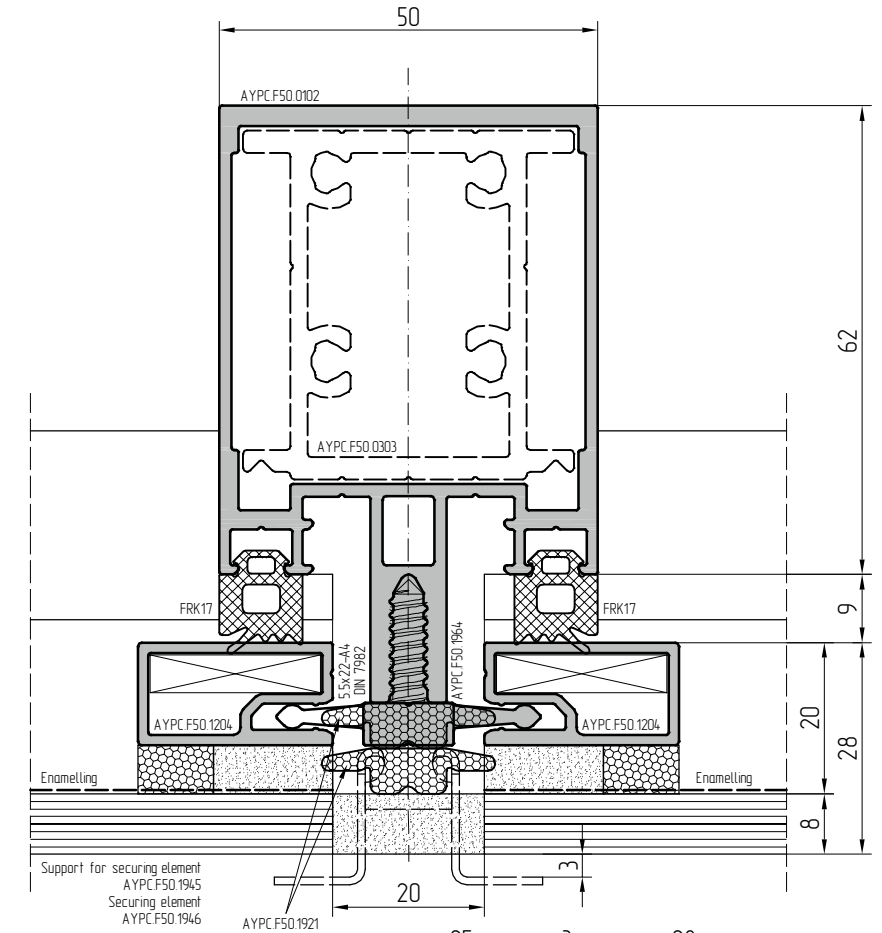
Scale 1:1

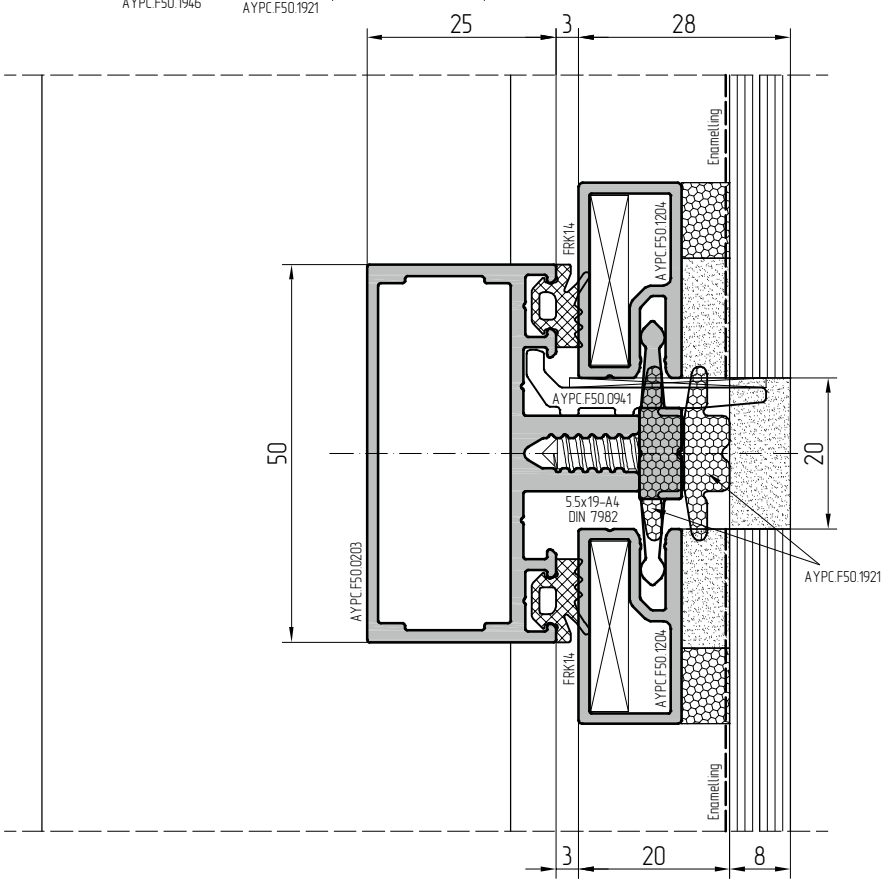

50
AYPC.F50.0102
AYPC.F50.0302
62
FRK17
AYPC.F50.0701
FRK18
AYPC.F50.1964
5.5x22-A4
DIN 7982
AYPC.F50.1204
AYPC.F50.1914
Enamelling
9
26
6
6
11
18
2.3 mm Belt 3M VHB-B23F
2.2 mm Steel sheet
AYPC.F50.1921
20


25
11
18
FRK18
AYPC.F50.1914
AYPC.F50.0941
50
20
5.5x19-A4
DIN 7982
AYPC.F50.1921
AYPC.F50.0203
FRK14
AYPC.F50.1204
Enamelling
3
20
6

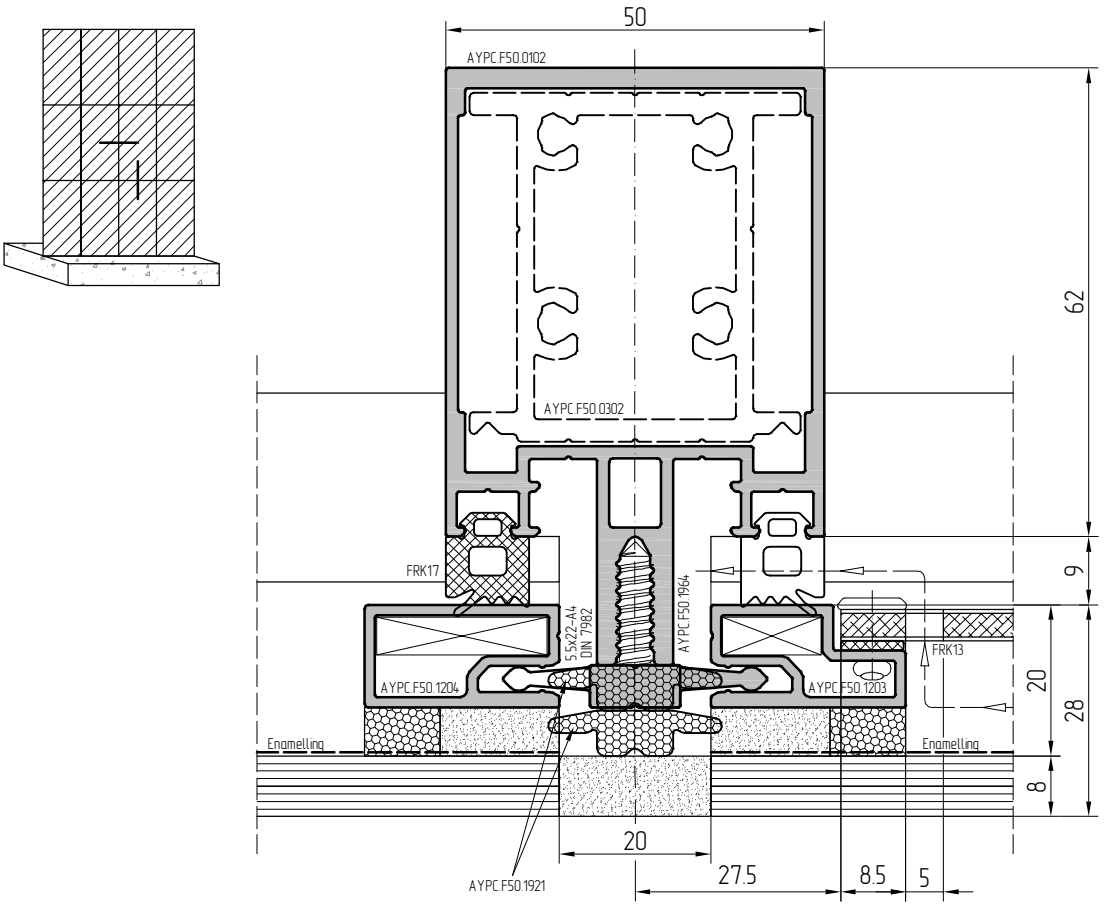
Scale 1:1

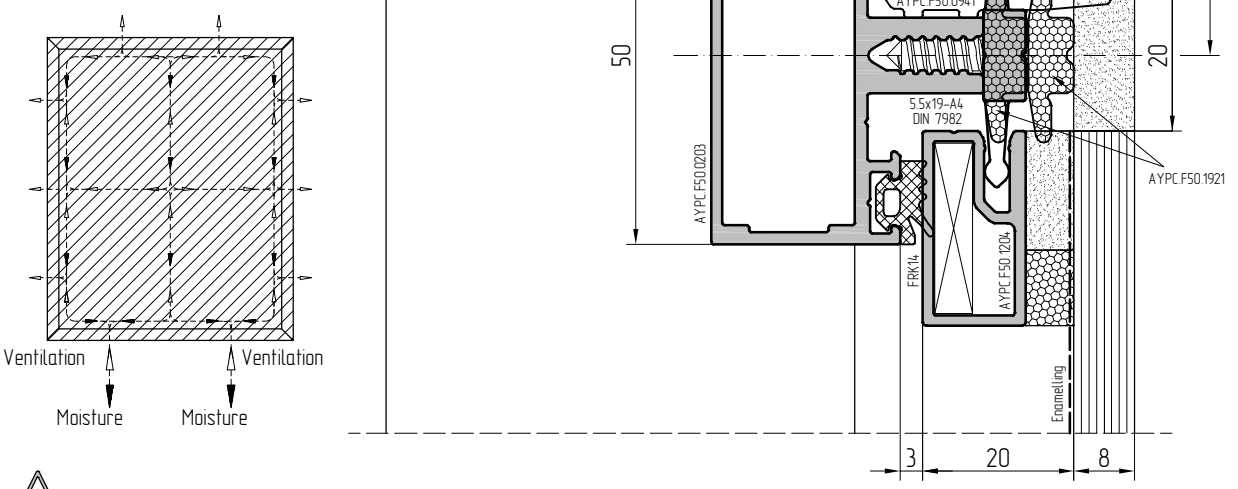



50
AYPC.F50.0102
AYPC.F50.0303
62
FRK17
FRK17
9
5.5x22-A4
DIN 7982
AYPC.F50.1964
AYPC.F50.1204
AYPC.F50.1204
20
28
Enamelling
Enamelling
8
Support for securing element
AYPC.F50.1945
Securing element
AYPC.F50.1946
3
20
AYPC.F50.1921


25
3
28
Enamelling
FRK14
AYPC.F50.1204
AYPC.F50.0941
50
20
5.5x19-A4
DIN 7982
AYPC.F50.0203
AYPC.F50.1921
FRK14
AYPC.F50.1204
Enamelling
3
20
8

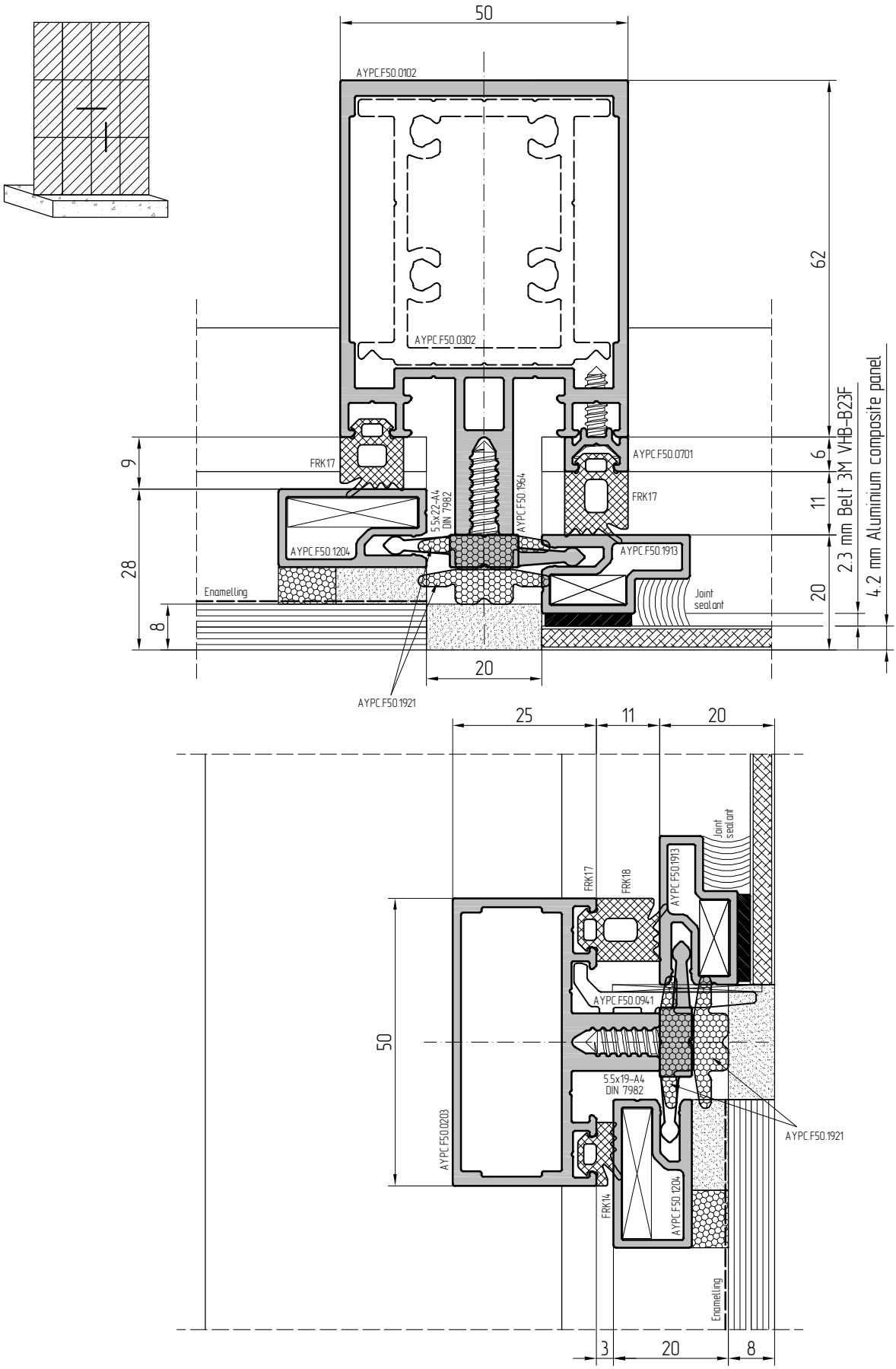
Scale 1:1



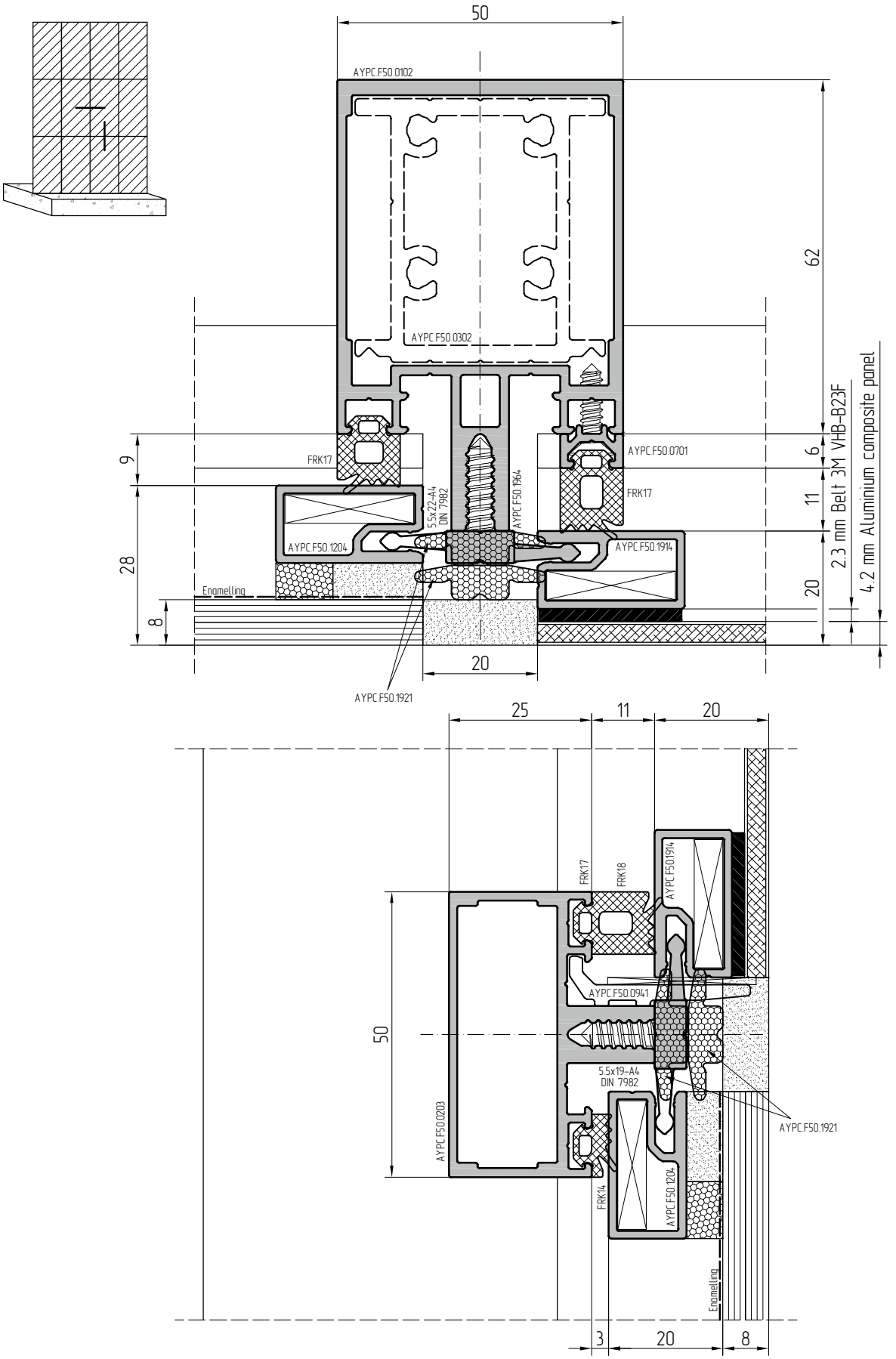


For moisture removal and ventilation it is important to make a slit of 50 mm length, indenting 225 mm from mullioms and transoms axles. A slit must be made on a distance of 500 mm.

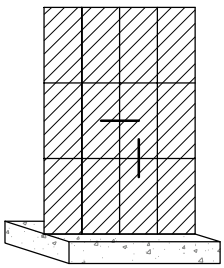
Scale 1:1

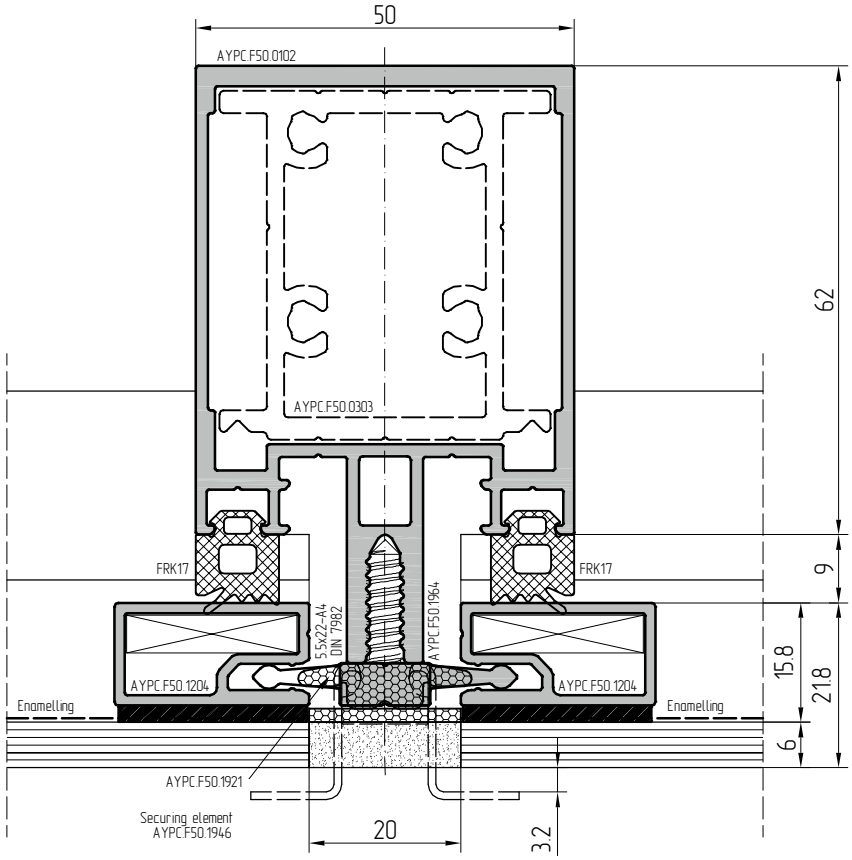

50
AYPC.F50.0102
AYPC.F50.0302
62
9
28
8
FRK17
AYPC.F50.0701
FRK17
AYPC.F50.1964
5.5x22-A4
DIN 7982
AYPC.F50.1204
AYPC.F50.1913
Enamelling
Joint sealant
6
11
20
2.3 mm Belt 3M VHB-B23F
4.2 mm Aluminium composite panel
20
AYPC.F50.1921
25
11
20
Joint sealant
FRK17
FRK18
AYPC.F50.1913
AYPC.F50.0941
50
5.5x19-A4
DIN 7982
AYPC.F50.0203
AYPC.F50.1921
FRK14
AYPC.F50.1204
Enamelling
3
20
8

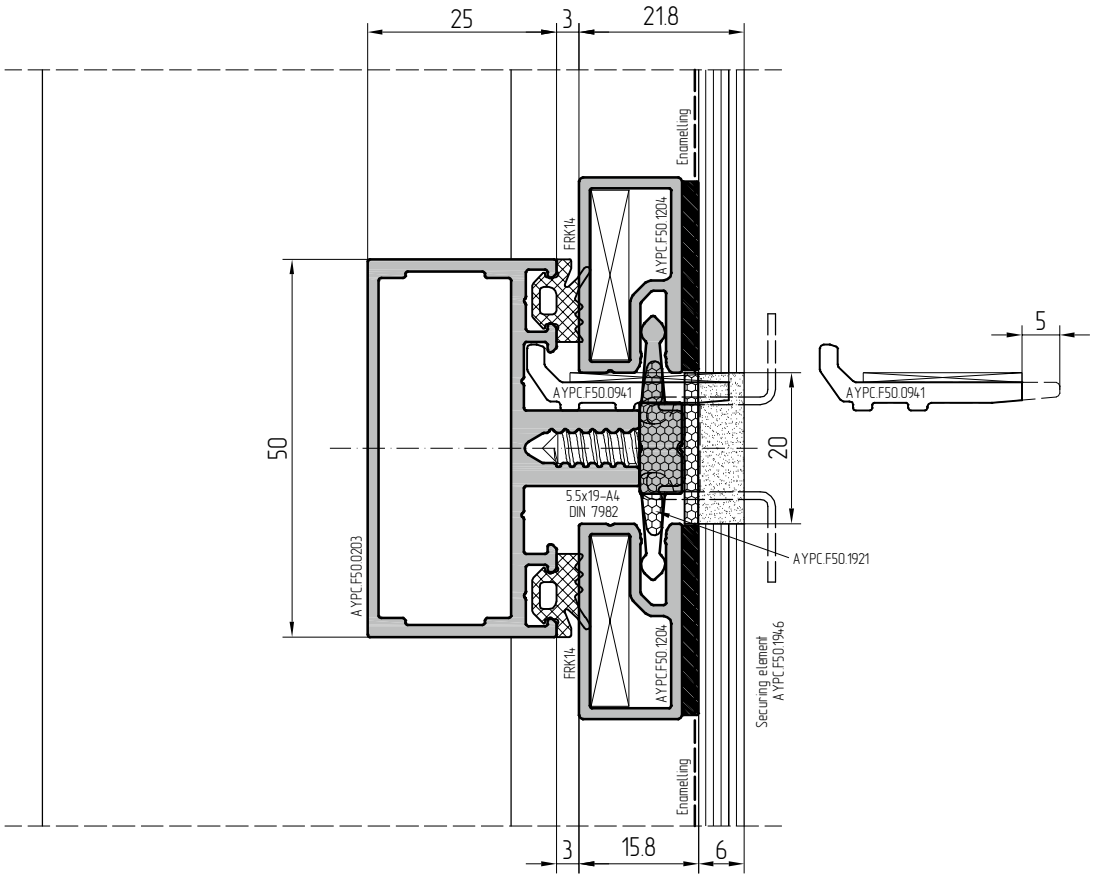
Scale 1:1


50
AYPC.F50.0102
AYPC.F50.0302
AYPC.F50.0701
FRK17
FRK17
5.5x22-A4
DIN 7982
AYPC.F50.1964
AYPC.F50.1204
AYPC.F50.1914
Enamelling
AYPC.F50.1921
62
9
28
8
6
11
20
2.3 mm Belt 3M VHB-B23F
4.2 mm Aluminium composite panel
20
25
11
20
FRK17
FRK18
AYPC.F50.1914
AYPC.F50.0941
50
5.5x19-A4
DIN 7982
AYPC.F50.0203
AYPC.F50.1921
FRK14
AYPC.F50.1204
Enamelling
3
20
8

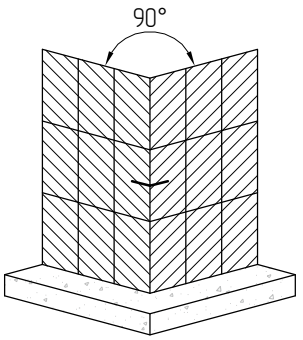
Scale 1:1

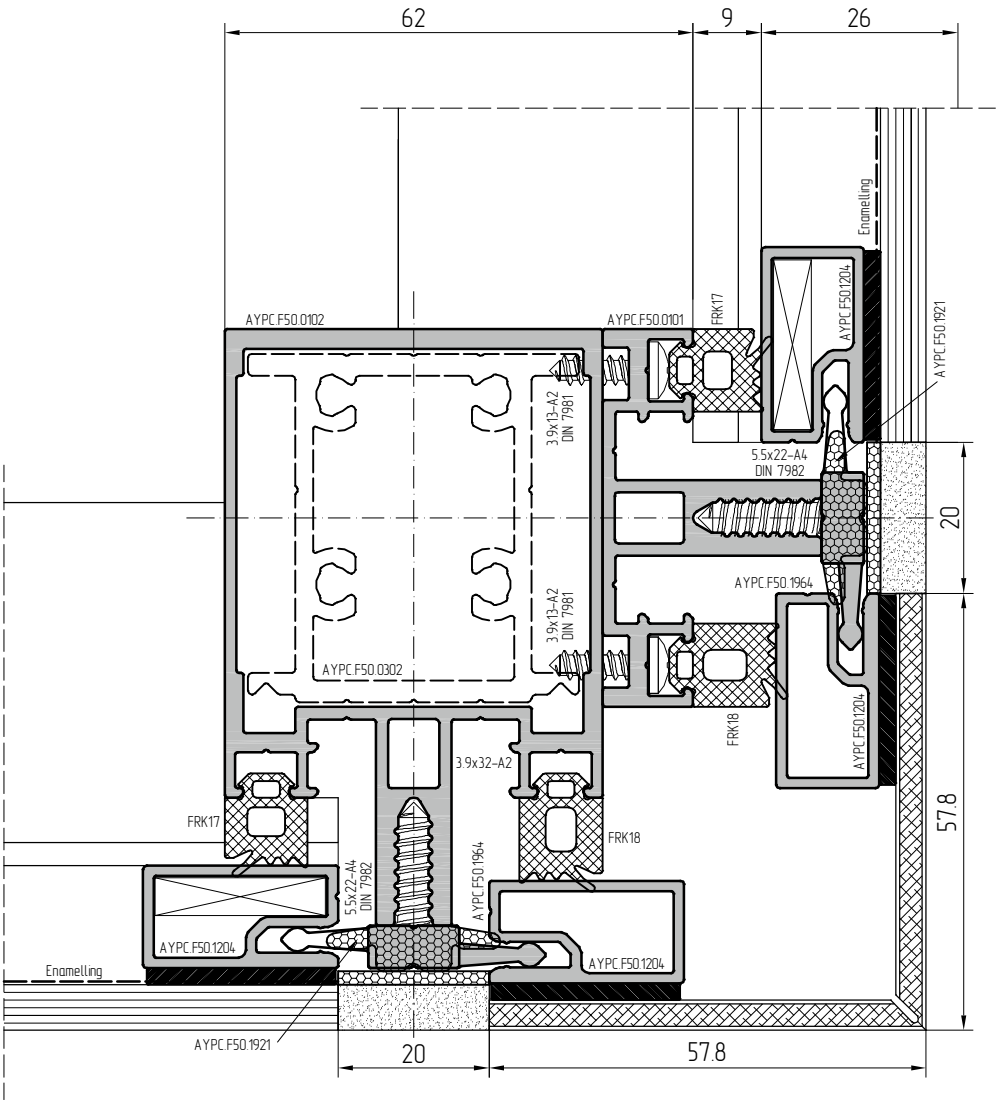



50
AYPC.F50.0102
AYPC.F50.0303
62
FRK17
FRK17
9
5.5x22-A4
DIN 7982
AYPC.F50.1964
AYPC.F50.1204
AYPC.F50.1204
15.8
21.8
Enamelling
Enamelling
6
AYPC.F50.1921
Securing element
AYPC.F50.1946
20
3.2

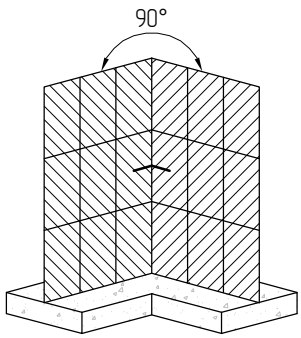

25
3
21.8
Enamelling
FRK14
AYPC.F50.1204
5
AYPC.F50.0941
AYPC.F50.0941
50
20
5.5x19-A4
DIN 7982
AYPC.F50.0203
AYPC.F50.1921
FRK14
AYPC.F50.1204
Securing element
AYPC.F50.1946
Enamelling
3
15.8
6

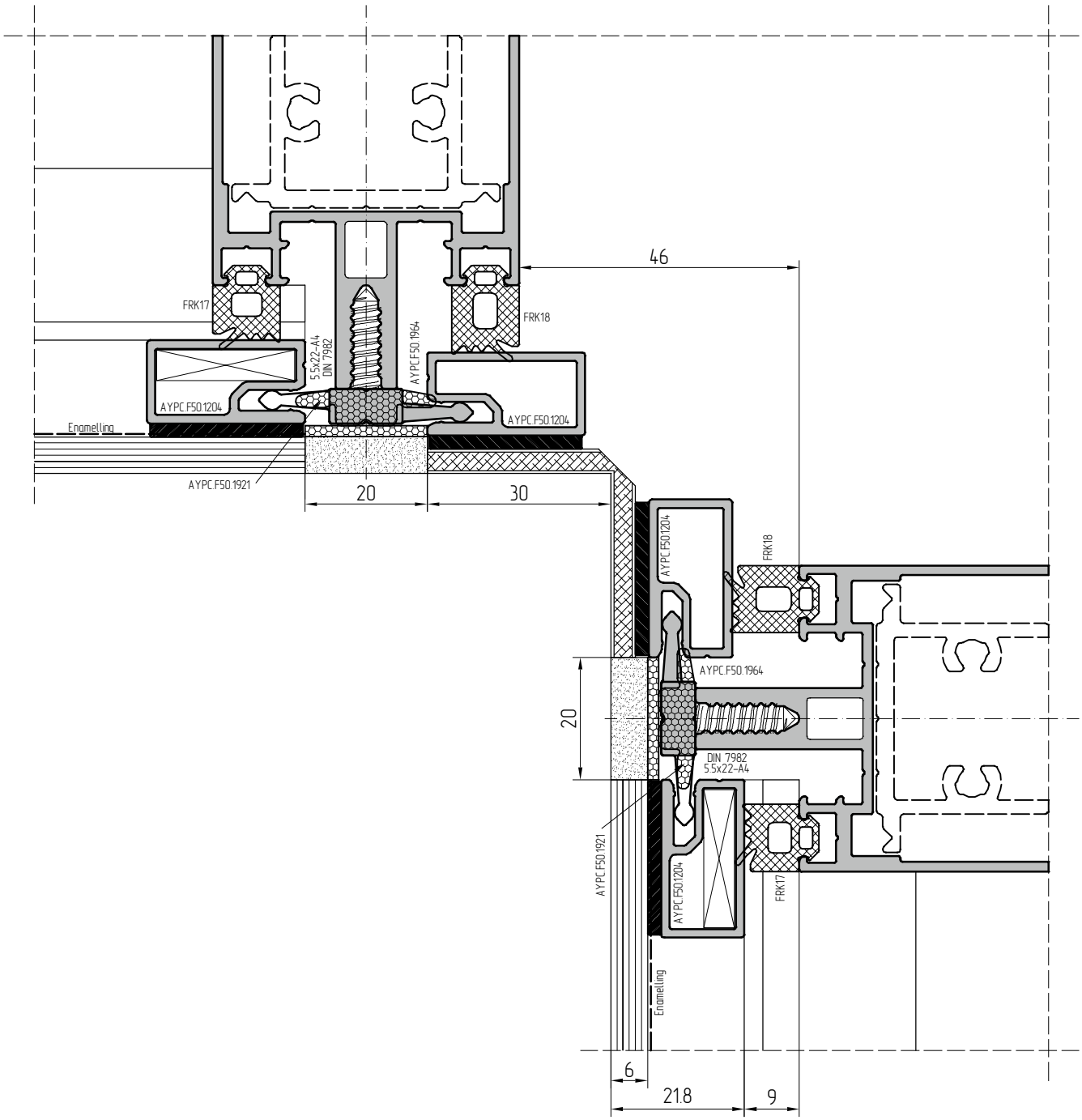
Scale 1:1


90°

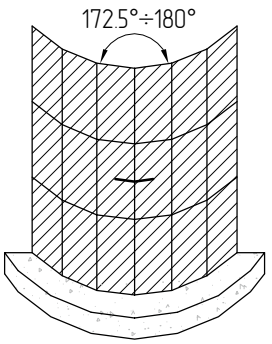

62
9
26
AYPC.F50.0102
AYPC.F50.0101
FRK17
AYPC.F50.1204
AYPC.F50.1921
Enamelling
3.9x13-A2 DIN 7981
5.5x22-A4 DIN 7982
20
AYPC.F50.1964
AYPC.F50.0302
FRK18
3.9x32-A2
57.8
AYPC.F50.1204
Enamelling
AYPC.F50.1921
20
57.8

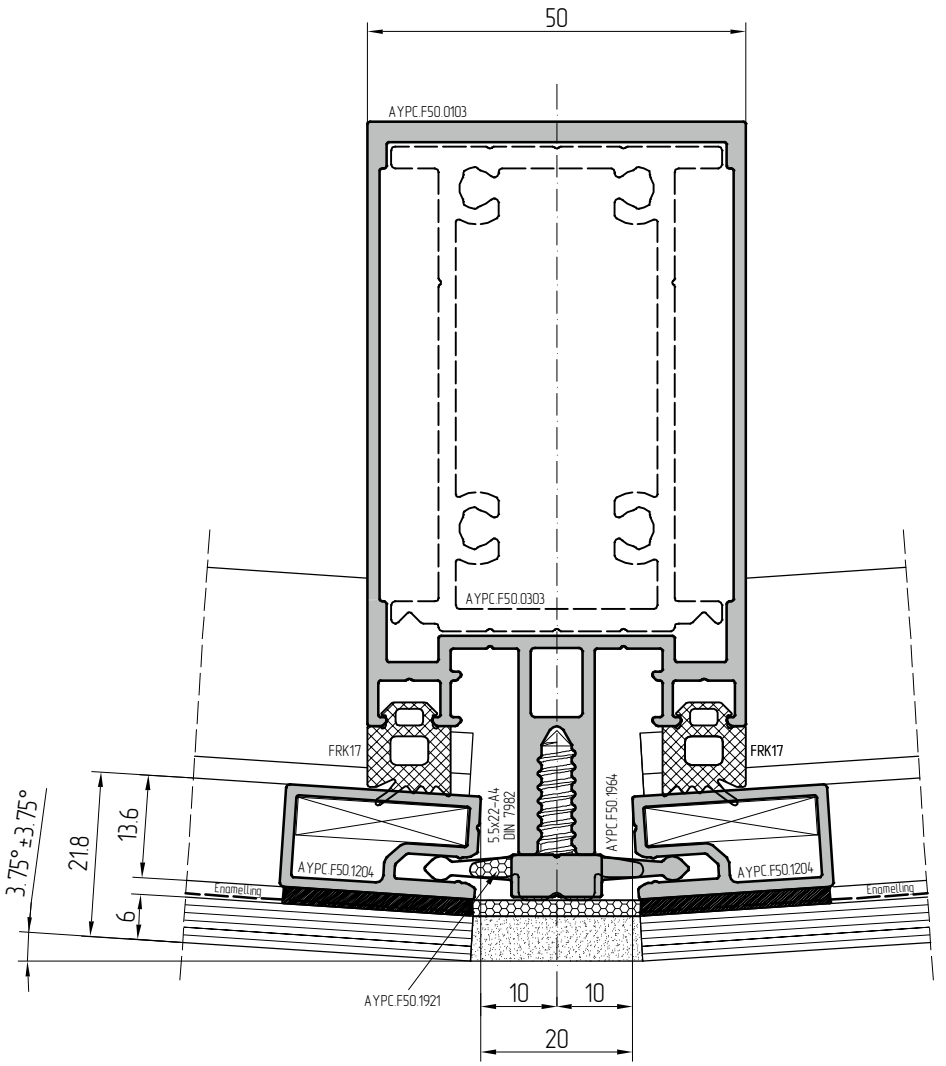
Scale 1:1


90°

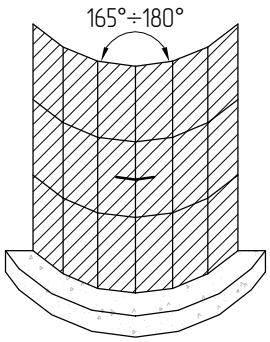

46
FRK17
FRK18
5.5x22-A4
DIN 7982
AYPC.F50.1964
AYPC.F50.1204
AYPC.F50.1204
Enamelling
AYPC.F50.1921
20
30
AYPC.F50.1204
FRK18
AYPC.F50.1964
20
DIN 7982
5.5x22-A4
AYPC.F50.1921
AYPC.F50.1204
FRK17
Enamelling
6
21.8
9

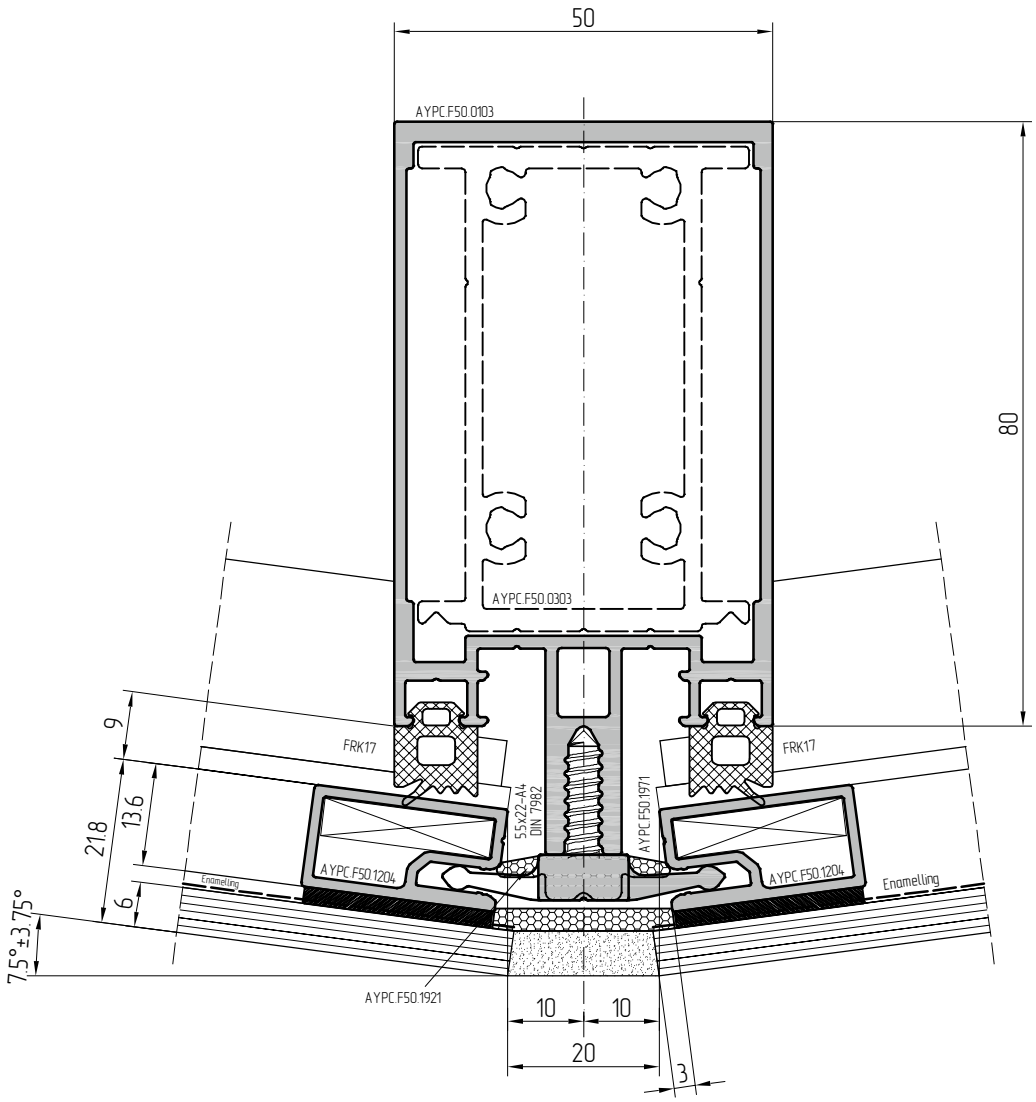
Scale 1:1


172.5°÷180°

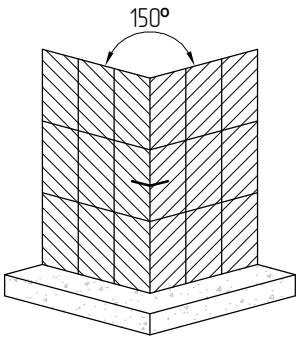

50
AYPC.F50.0103
AYPC.F50.0303
FRK17
FRK17
AYPC.F50.1964
5.5x22-A4
DIN 7982
AYPC.F50.1204
AYPC.F50.1204
Enamelling
Enamelling
3.75°±3.75°
21.8
13.6
6
AYPC.F50.1921
10
10
20

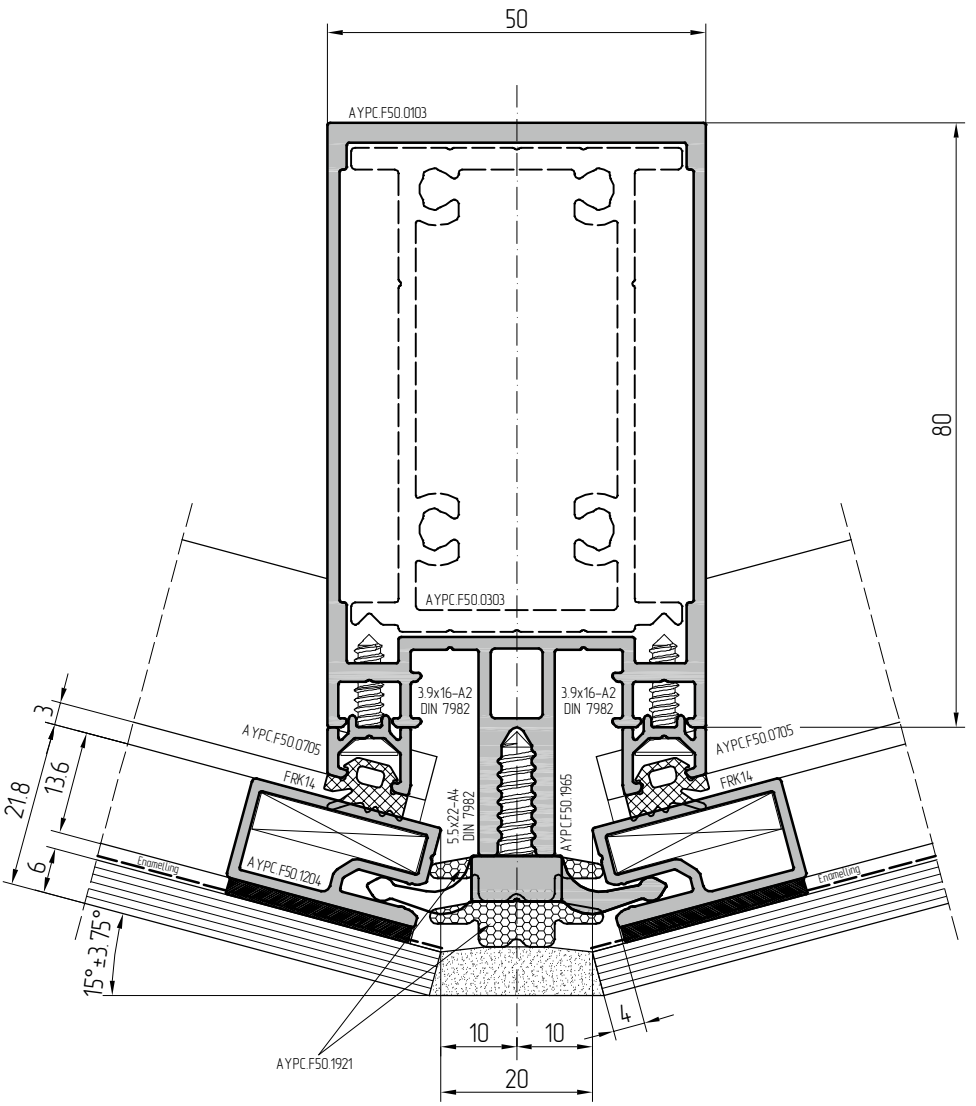
Scale 1:1


165°÷180°

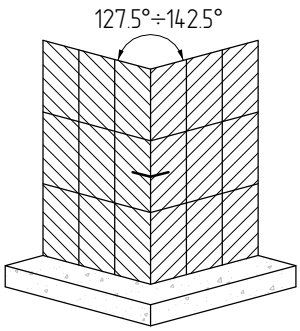

50
AYPC.F50.0103
AYPC.F50.0303
80
9
21.8
13.6
6
7.5°±3.75°
FRK17
FRK17
5.5x22-A4
DIN 7982
AYPC.F50.1971
AYPC.F50.1204
AYPC.F50.1204
Enamelling
Enamelling
AYPC.F50.1921
10
10
20
3

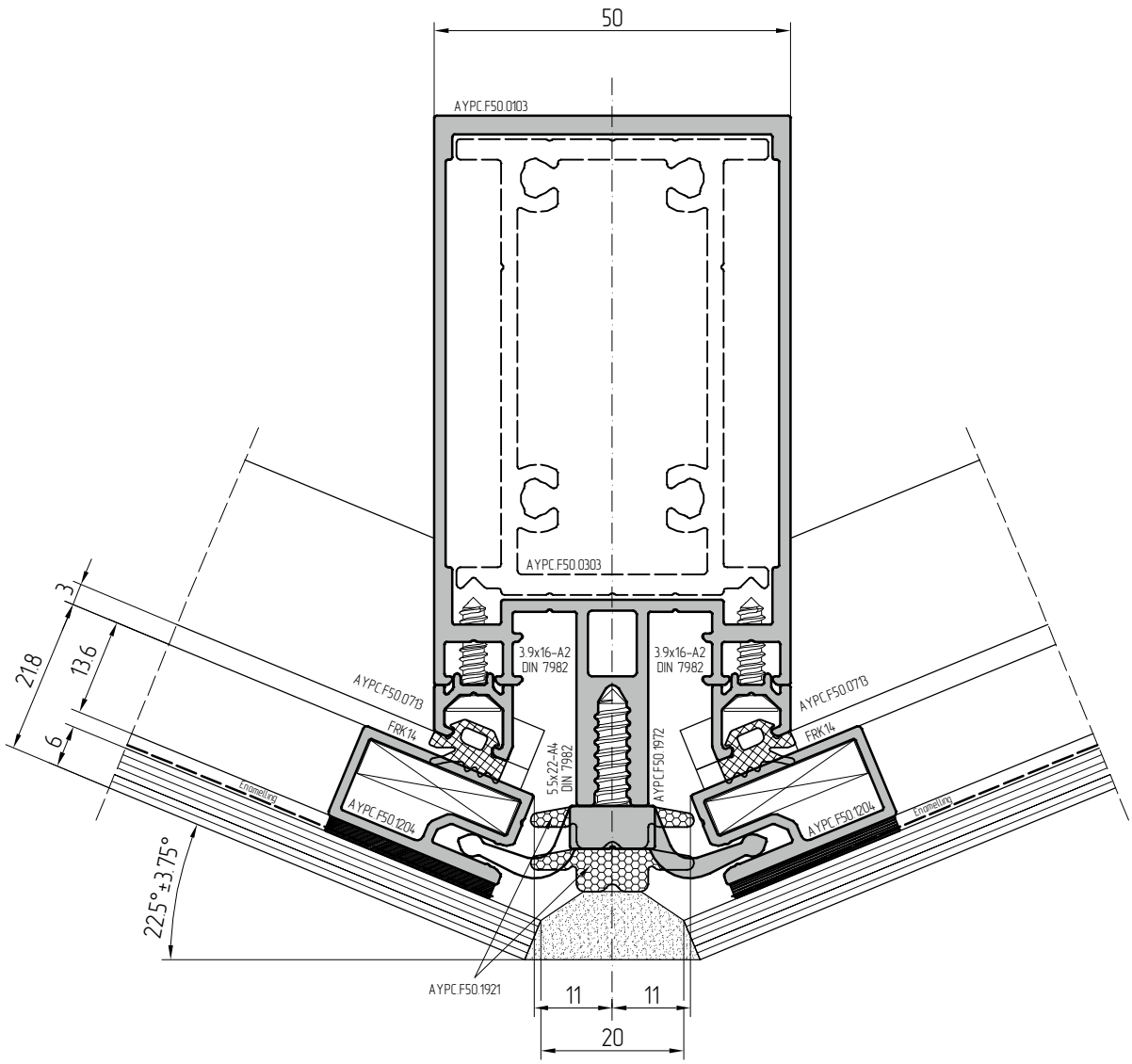
Scale 1:1


150°

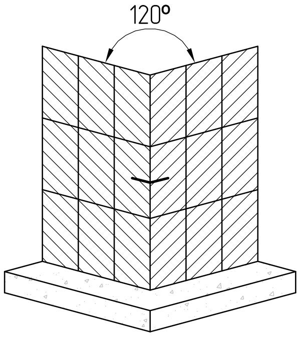

50
AYPC.F50.0103
80
AYPC.F50.0303
3.9x16-A2
DIN 7982
3.9x16-A2
DIN 7982
AYPC.F50.0705
AYPC.F50.0705
FRK14
FRK14
5.5x22-A4
DIN 7982
AYPC.F50.1965
AYPC.F50.1204
Ergnetting
Ergnetting
3
13.6
21.8
6
15°±3.75°
10
10
4
20
AYPC.F50.1921

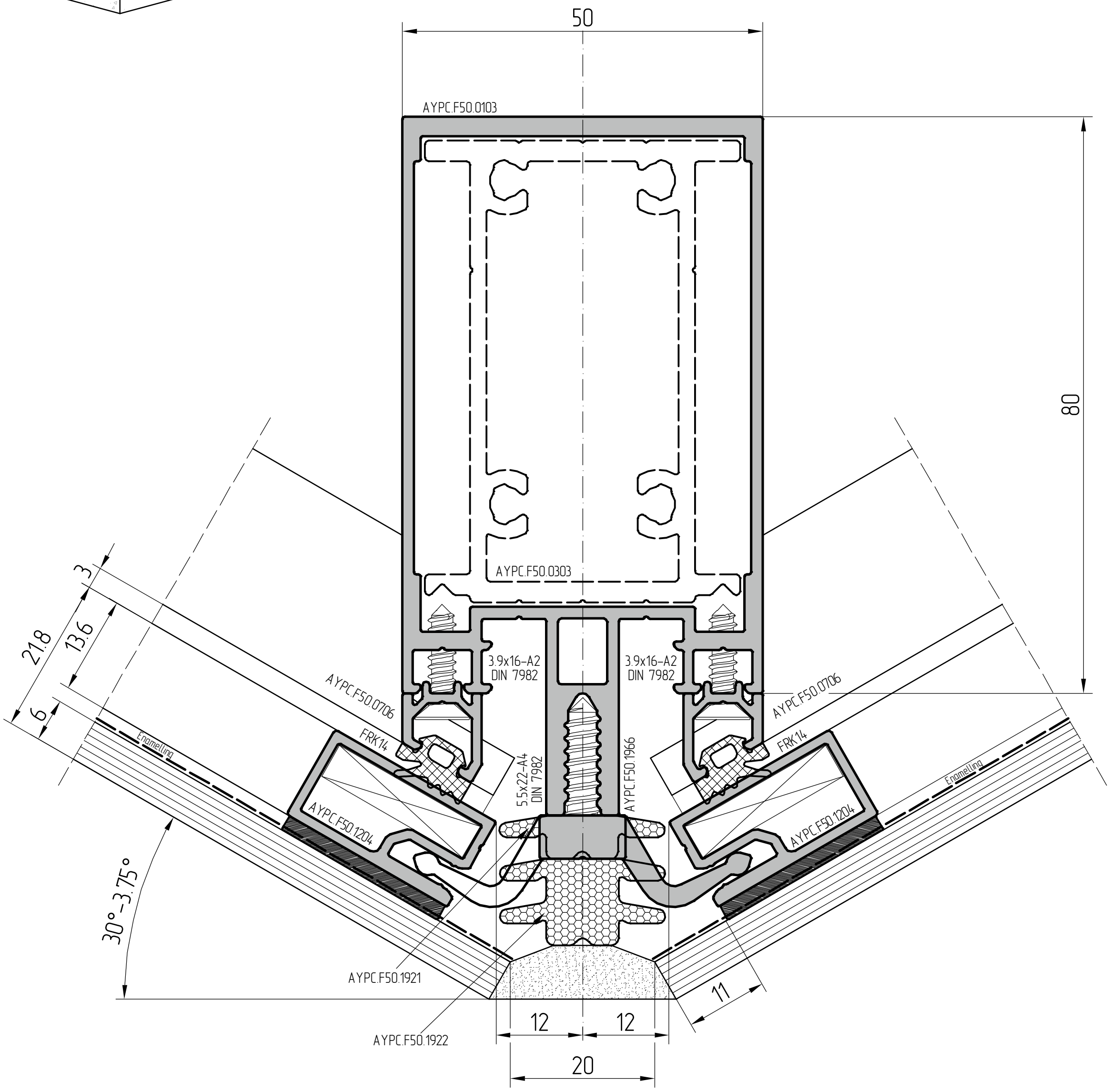
Scale 1:1


127.5°÷142.5°

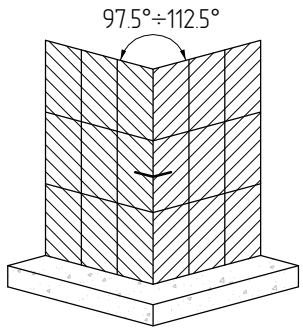

50
AYPC.F50.0103
AYPC.F50.0303
3.9x16-A2 DIN 7982
3.9x16-A2 DIN 7982
5.5x22-A4 DIN 7982
AYPC.F50.1972
AYPC.F50.0713
AYPC.F50.0713
FRK14
FRK14
AYPC.F50.1204
AYPC.F50.1204
Enamel lay
Enamel lay
AYPC.F50.1921
3
21.8
13.6
6
22.5°±3.75°
11
11
20

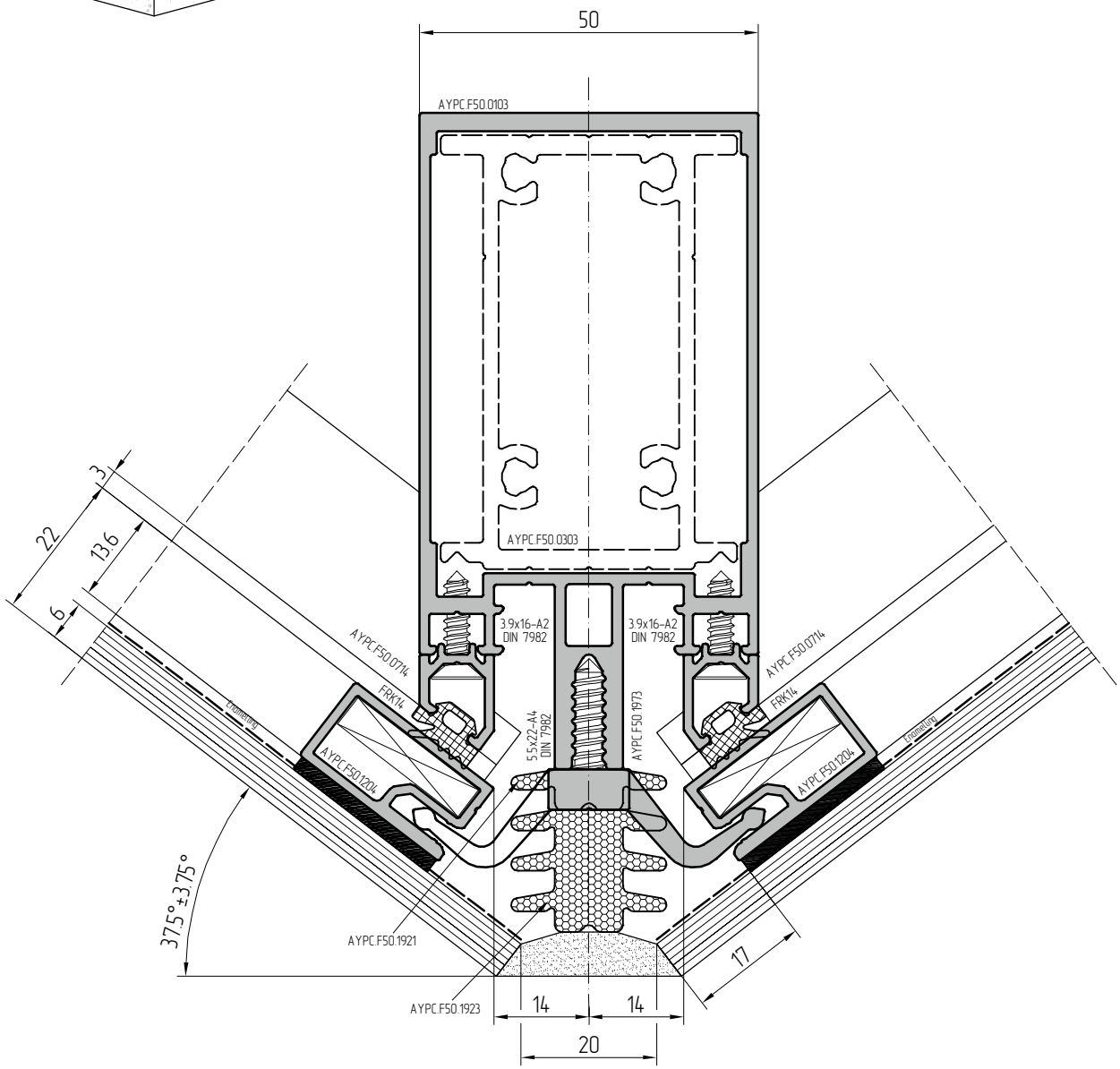
Scale 1:1


120°

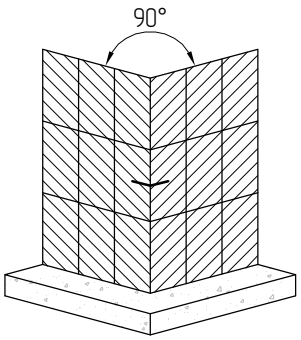

50
80
АУРС.F50.0103
АУРС.F50.0303
3.9x16-A2
DIN 7982
3.9x16-A2
DIN 7982
АУРС.F50.0706
АУРС.F50.0706
FRK14
FRK14
5.5x22-A4
DIN 7982
АУРС.F50.1966
АУРС.F50.1204
АУРС.F50.1204
Enamelling
Enamelling
3
21.8
13.6
6
30°-3.75°
АУРС.F50.1921
АУРС.F50.1922
12
12
20
11

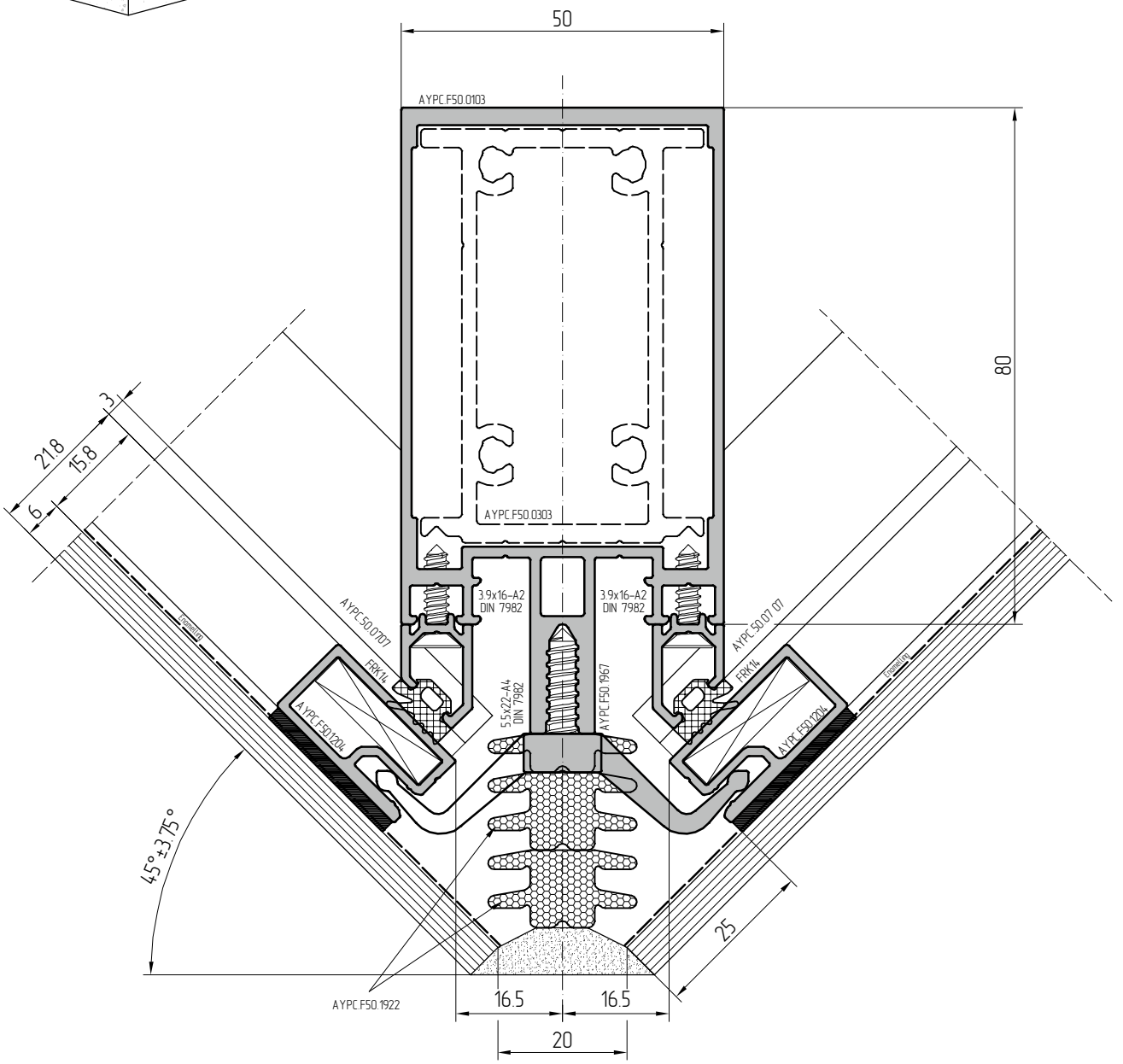
Scale 1:1


97.5°÷112.5°

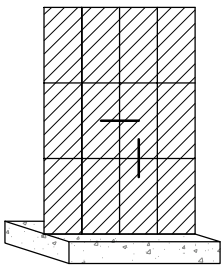

50
AYPC.F50.0103
AYPC.F50.0303
3.9x16-A2 DIN 7982
3.9x16-A2 DIN 7982
5.5x22-A4 DIN 7982
AYPC.F50.1973
AYPC.F50.0714
AYPC.F50.0714
FRK14
FRK14
AYPC.F50.1204
AYPC.F50.1204
AYPC.F50.1921
AYPC.F50.1923
3
22
13.6
6
37.5°±3.75°
17
14
14
20

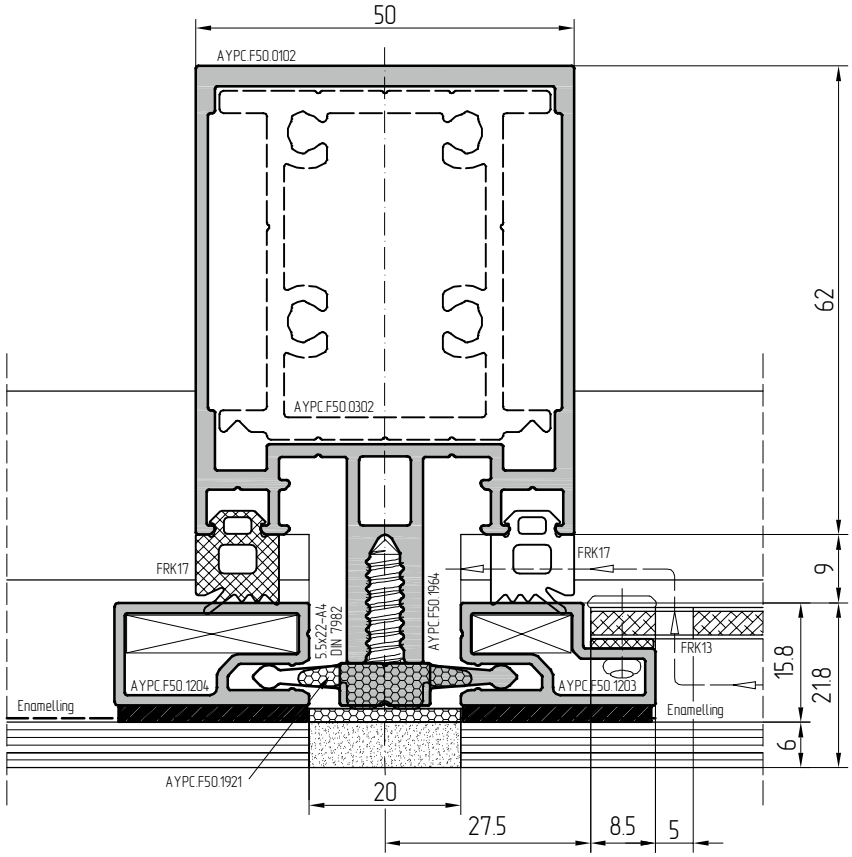
Scale 1:1

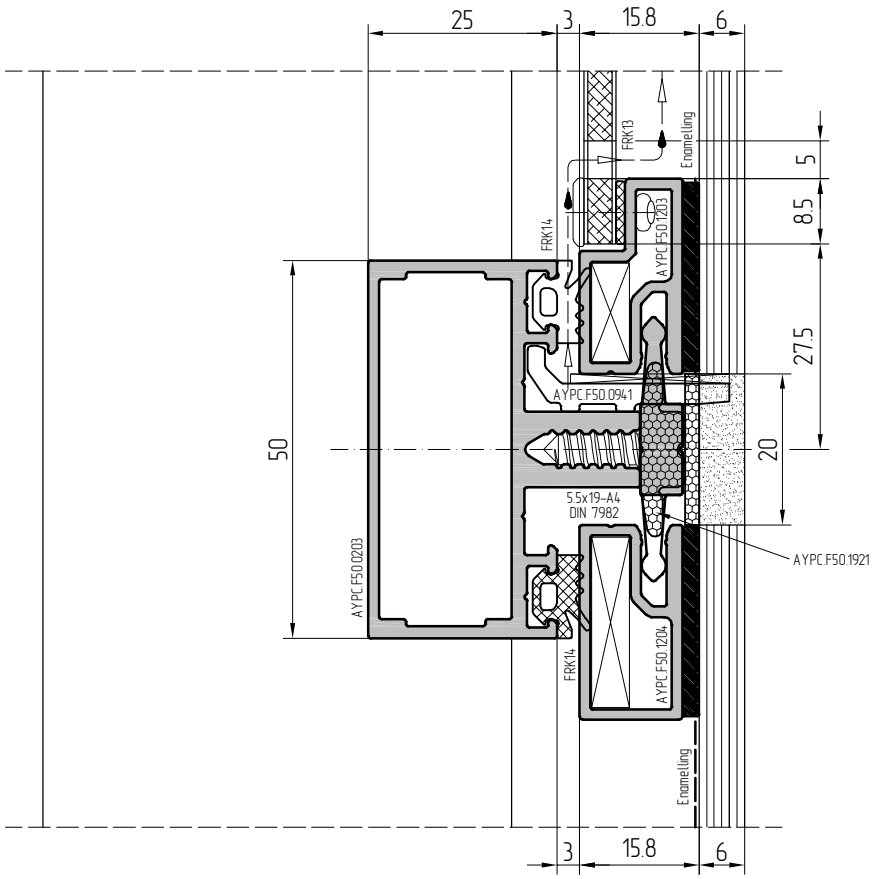

90°

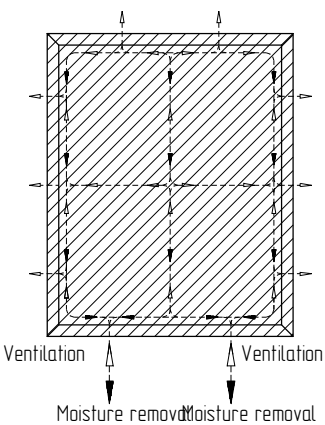

50
AYPC.F50.0103
80
AYPC.F50.0303
3.9x16-A2
DIN 7982
3.9x16-A2
DIN 7982
AYPC.50.0707
AYPC.50.07.07
FRK14
FRK14
5.5x22-A4
DIN 7982
AYPC.F50.1967
AYPC.F50.1204
AYPC.F50.1204
Dwuwilg
Dwuwilg
3
21.8
15.8
6
45°±3.75°
25
AYPC.F50.1922
16.5
16.5
20

Scale 1:1



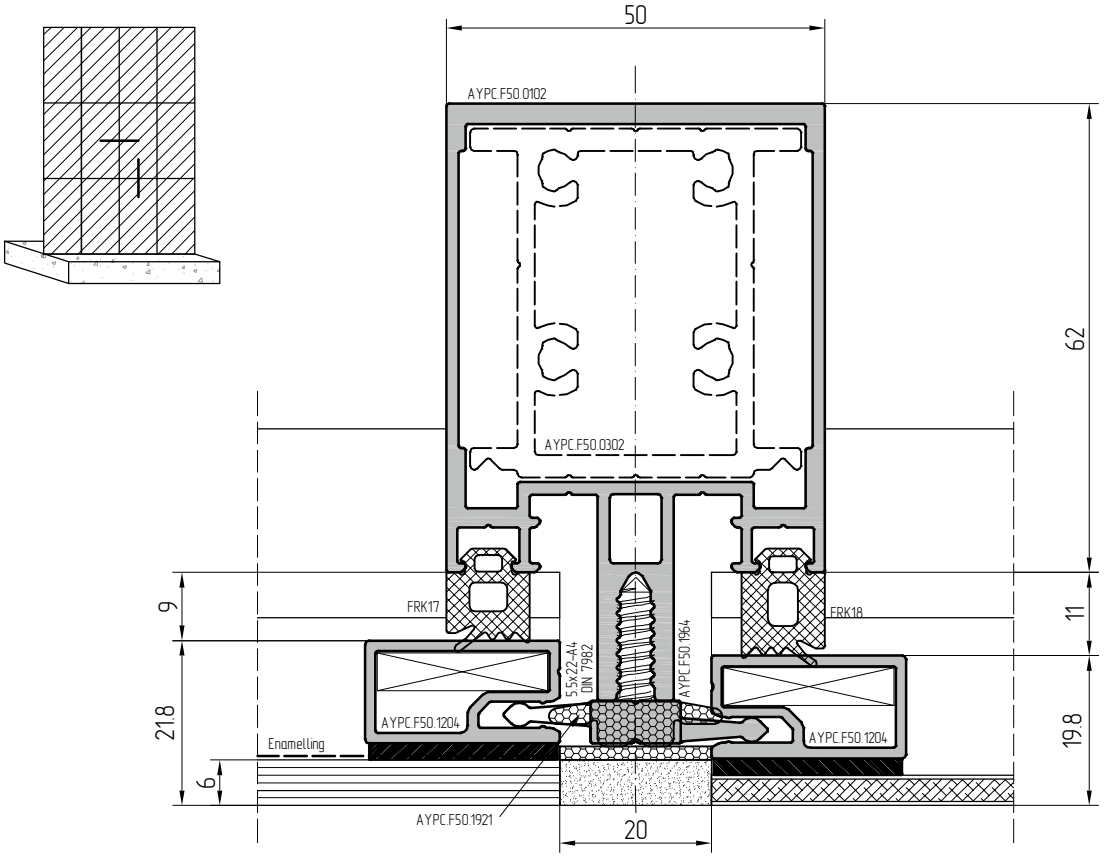


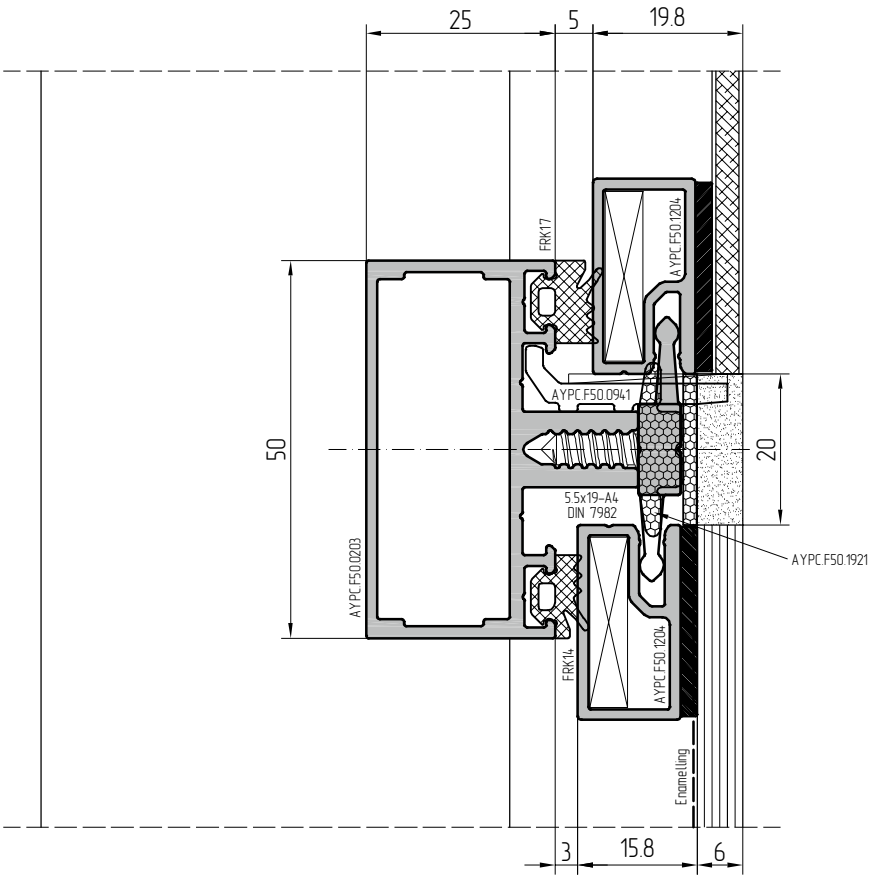




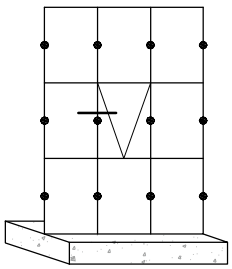
For moisture removal and ventilation it is important to make a slit of 50 mm length, indenting 225 mm from mullions and transoms axles. A slit must be made on a distance of 500 mm.

Scale 1:1

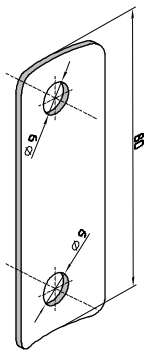

50
AYPC.F50.0102
AYPC.F50.0302
62
9
21.8
6
FRK17
FRK18
11
19.8
5.5x22-A4
DIN 7982
AYPC.F50.1964
AYPC.F50.1204
AYPC.F50.1204
Enamelling
AYPC.F50.1921
20


25
5
19.8
FRK17
AYPC.F50.1204
AYPC.F50.0941
50
20
5.5x19-A4
DIN 7982
AYPC.F50.1921
AYPC.F50.0203
FRK14
AYPC.F50.1204
Enamelling
3
15.8
6

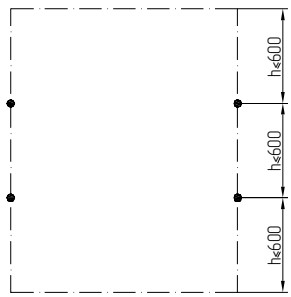
Scale 1:1



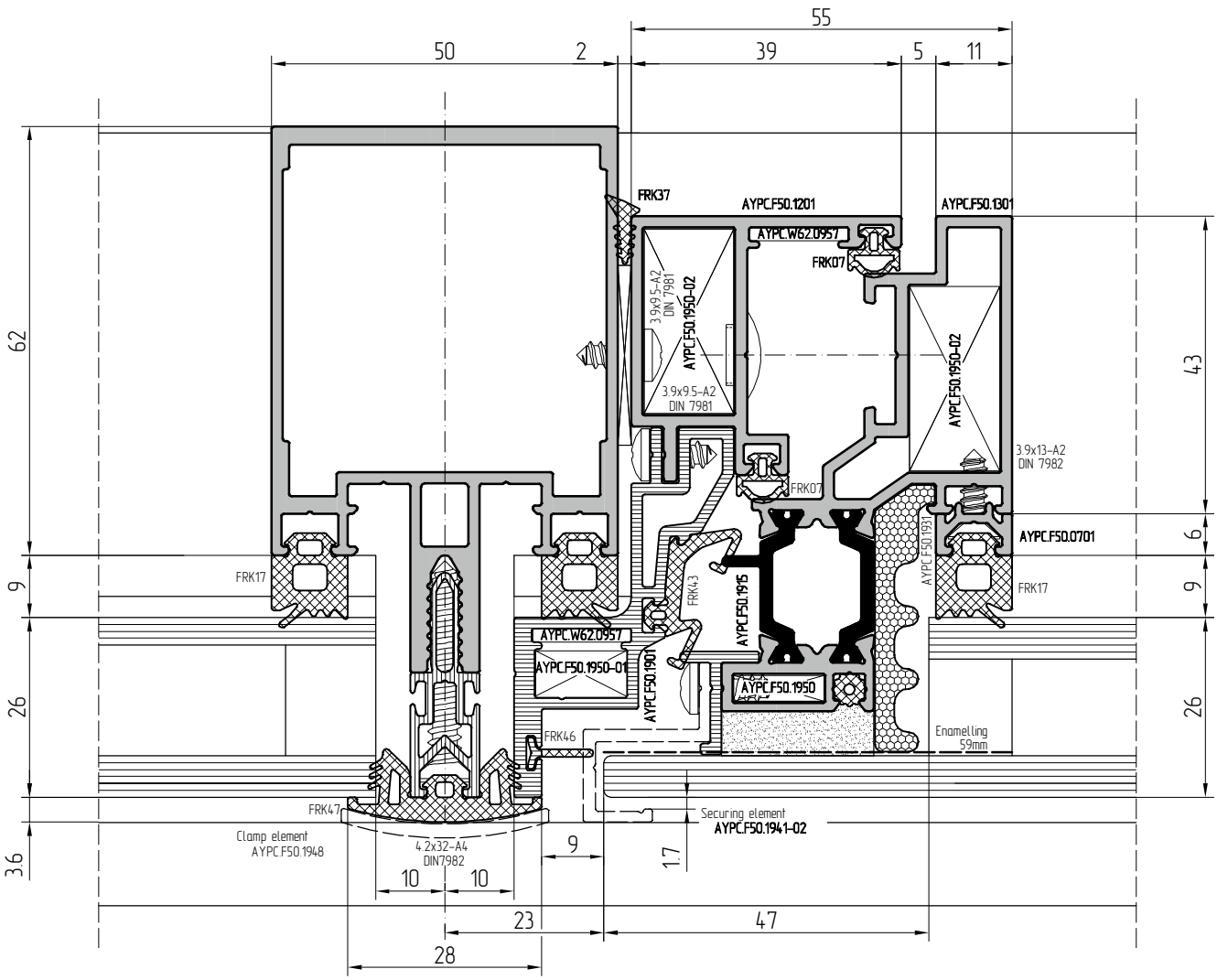
AYPC.F50.1948 clamp element is mounted on a distance of 600 mm to FRK47, FRK48 joint gaskets and is fixed with self-tapping screws. Length of self-tapping screws depends on infill unit thickness.



Layout of exterior glass clamp elements for glass units and infill unit. Dimensions in axeles.

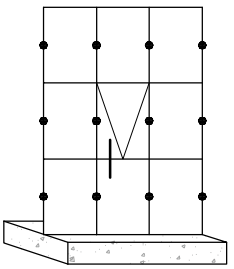


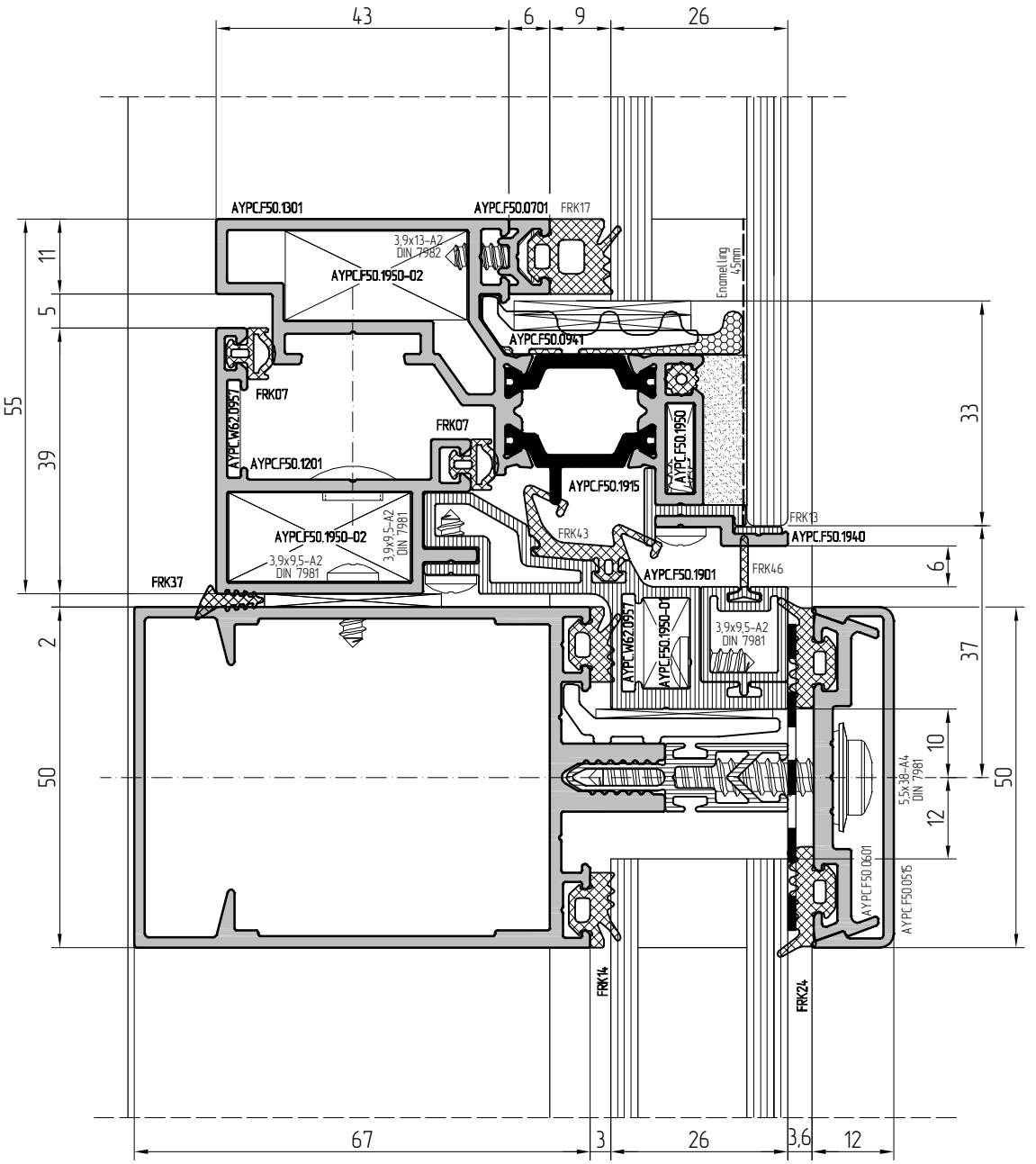
Infill unit	22 mm	24 mm	26 mm	28 mm	30 mm	32 mm	34 mm	36 mm	38 mm
Self-tapping screw	2 pcs 5.5x38 DIN 7982			2 pcs 5.5x45 DIN 7982			2 pcs 5.5x50 DIN 7982		



While producing glass units it is important to use sealant, resistant to ultraviolet.

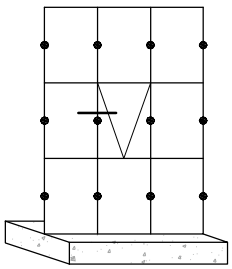
Scale 1:1



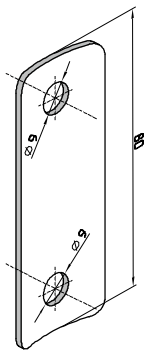


While producing glass units it is important to use sealant, resistant to ultraviolet.

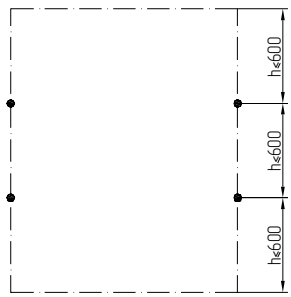
Scale 1:1



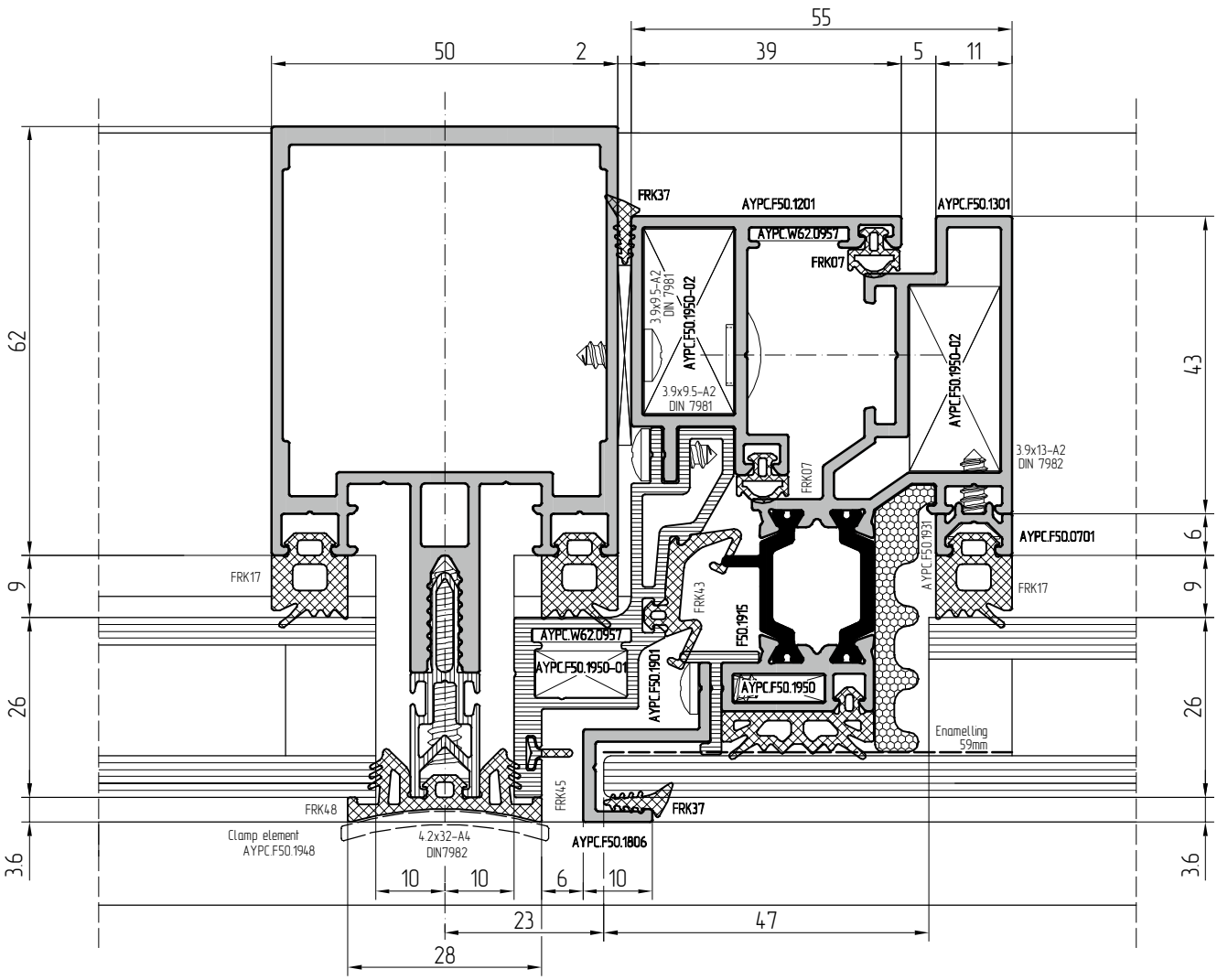
AYPC.F50.1948 clamp element is mounted on a distance of 600 mm to FRK47, FRK48 joint gaskets and is fixed with self-tapping screws. Length of self-tapping screws depends on infill unit thickness.



Layout of exterior glass clamp elements for glass units and infill unit. Dimensions in axeles.

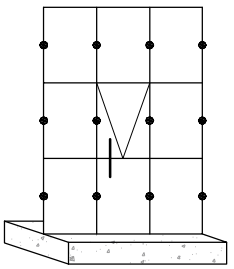


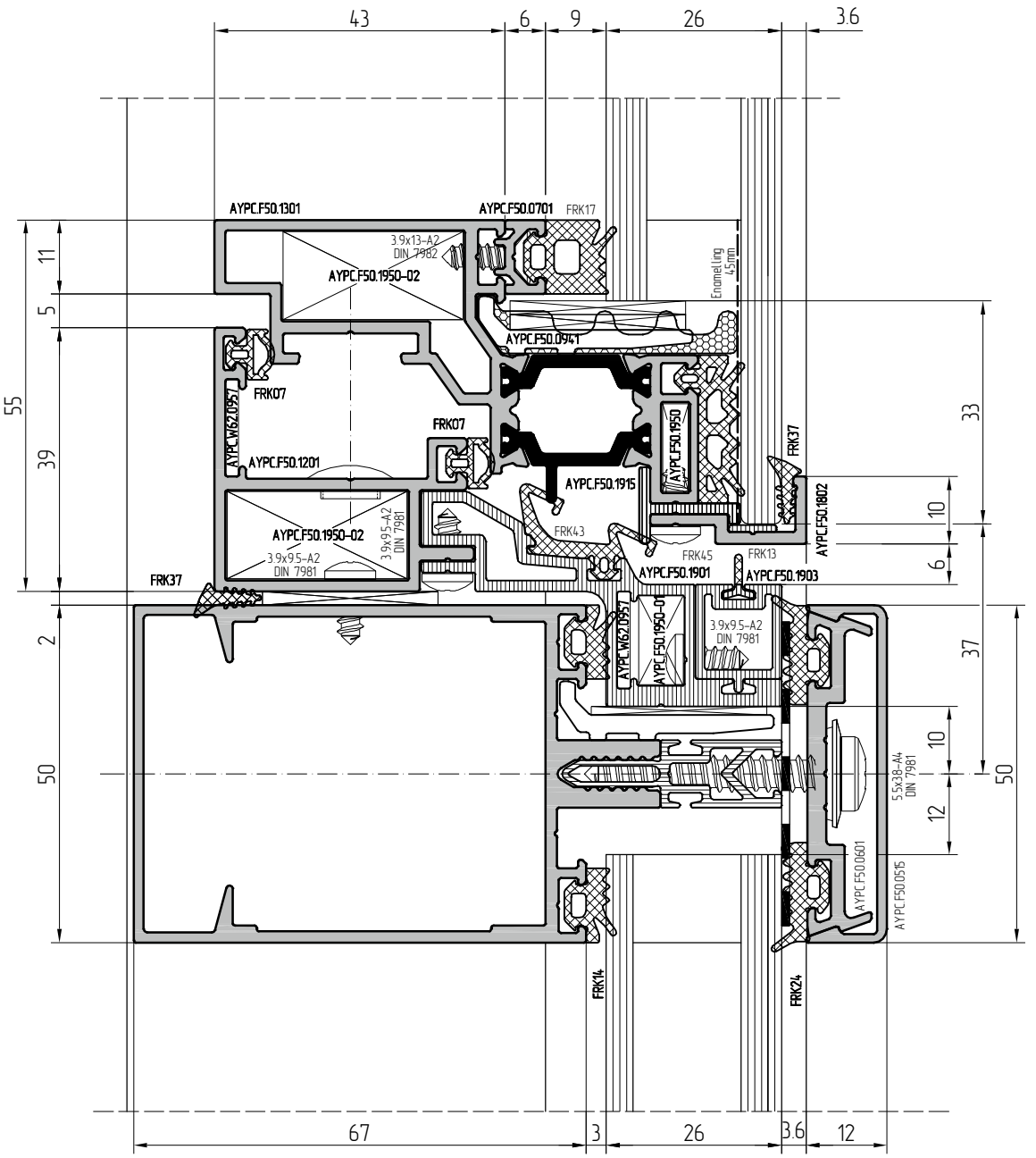
Infill unit	22 mm	24 mm	26 mm	28 mm	30 mm	32 mm	34 mm	36 mm	38 mm
Self-tapping screw	2 pcs 5.5x38 DIN 7982			2 pcs 5.5x45 DIN 7982			2 pcs 5.5x50 DIN 7982		



While producing glass units it is important to use sealant, resistant to ultraviolet.

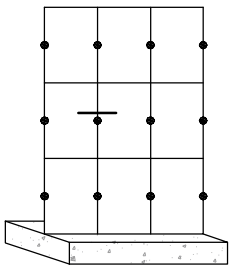
Scale 1:1



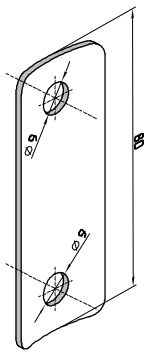


While producing glass units it is important to use sealant, resistant to ultraviolet.

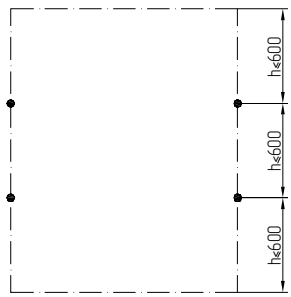
Scale 1:1



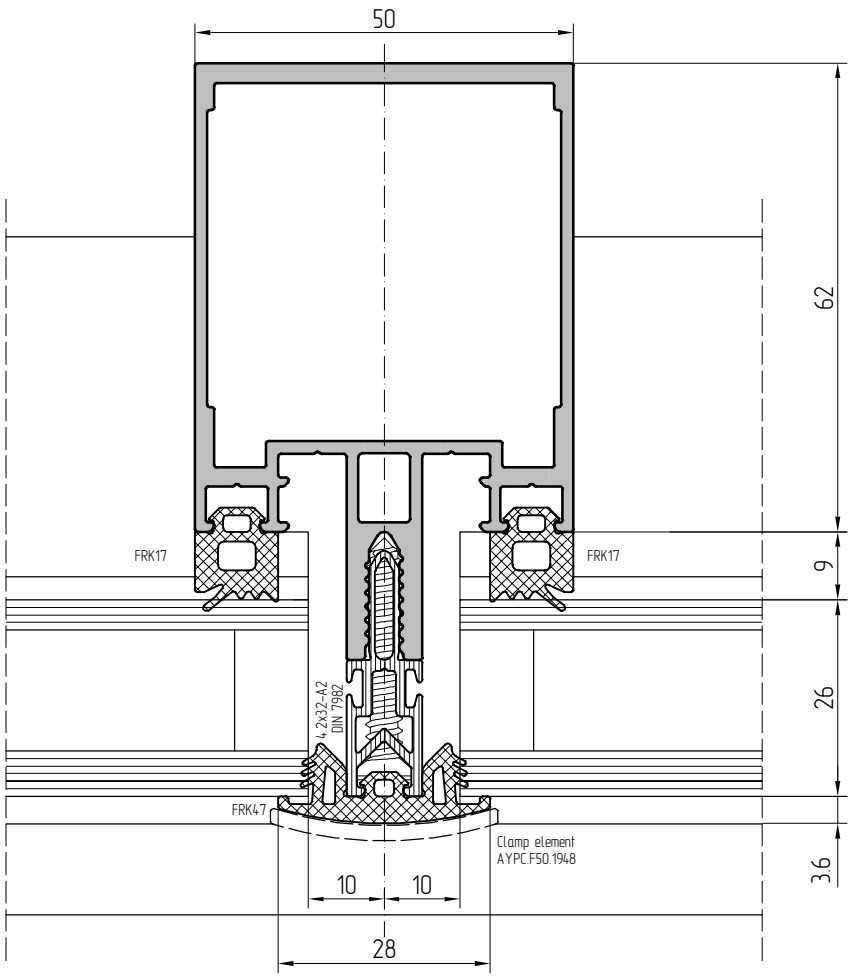
AYPC.F50.1948 clamp element is mounted on a distance of 600 mm to FRK47, FRK48 joint gaskets and is fixed with self-tapping screws. Length of self-tapping screws depends on infill unit thickness.



Layout of exterior glass clamp elements for glass units and infill unit. Dimensions in axeles.

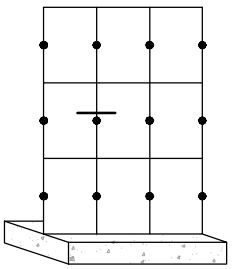


Infill unit	22 mm	24 mm	26 mm	28 mm	30 mm	32 mm	34 mm	36 mm	38 mm
Self-tapping screw	2 pcs 5.5x38 DIN 7982			2 pcs 5.5x45 DIN 7982			2 pcs 5.5x50 DIN 7982		

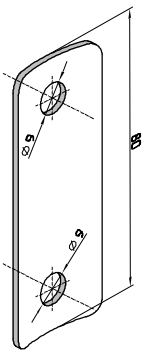


While producing glass units it is important to use sealant resistant to ultraviolet.

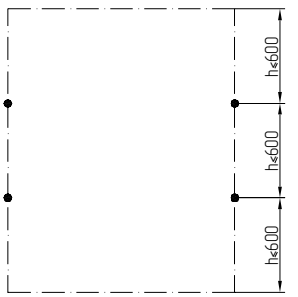
Scale 1:1



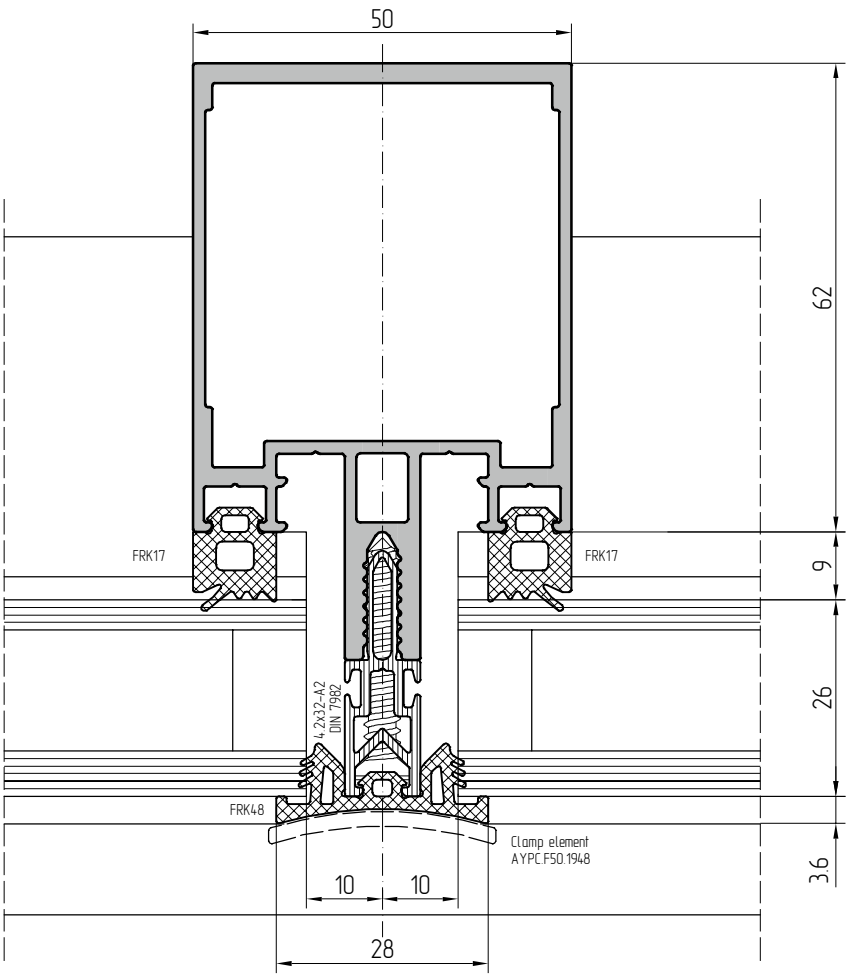
AYPC.F50.1948 clamp element is mounted on a distance of 600 mm to FRK47, FRK48 joint gaskets and is fixed with self-tapping screws. Length of self-tapping screws depends on infill unit thickness.



Layout of exterior glass clamp elements for glass units and infill unit. Dimensions in axeles.

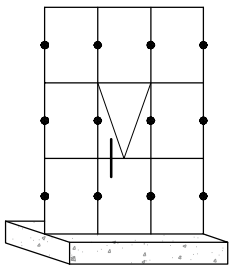


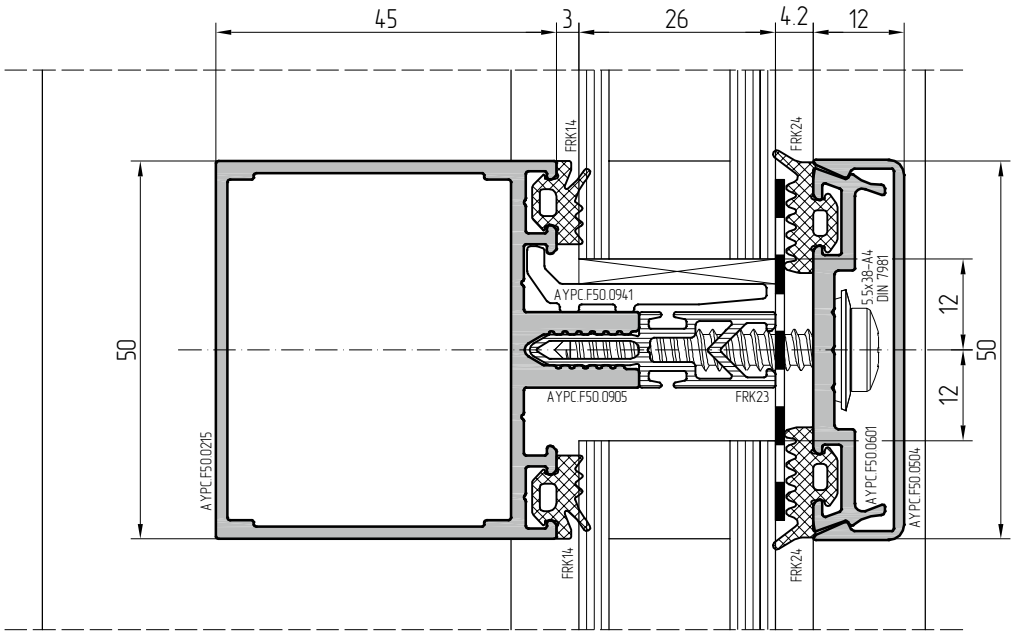
Infill unit	22 mm	24 mm	26 mm	28 mm	30 mm	32 mm	34 mm	36 mm	38 mm
Self-tapping screw	2 pcs 5.5x38 DIN 7982			2 pcs 5.5x45 DIN 7982			2 pcs 5.5x50 DIN 7982		

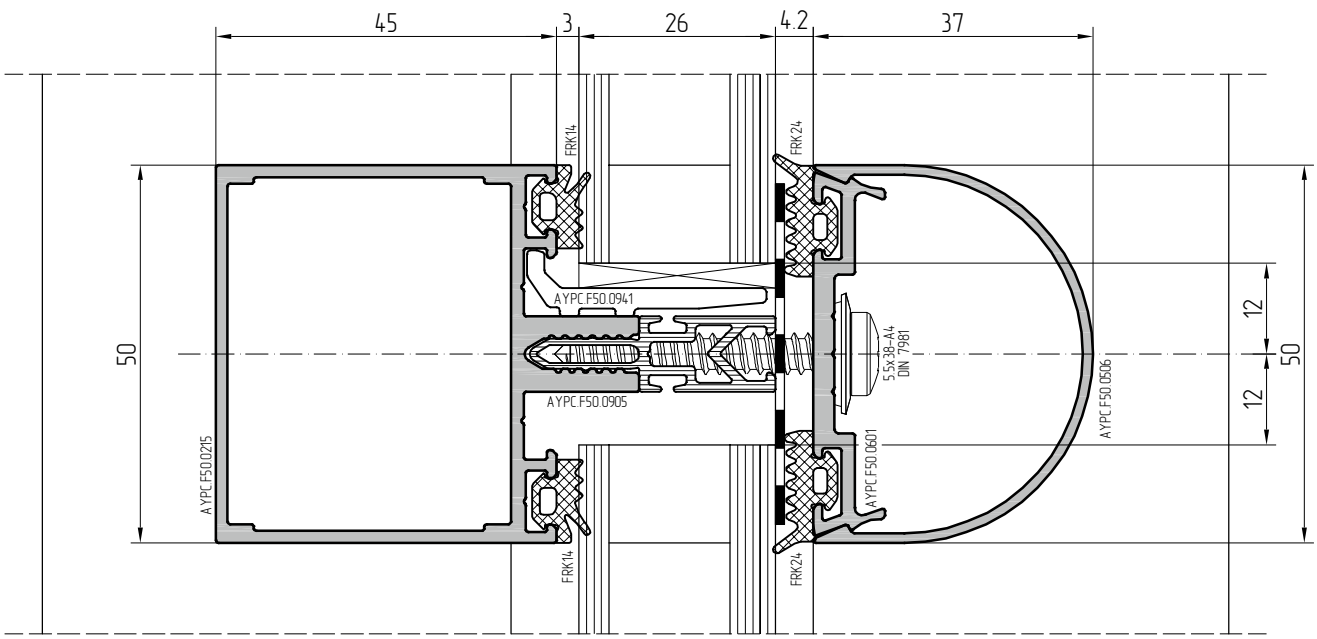


While producing glass units it is important to use sealant, resistant to ultraviolet.

Scale 1:1

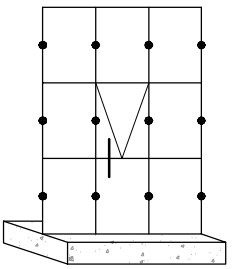


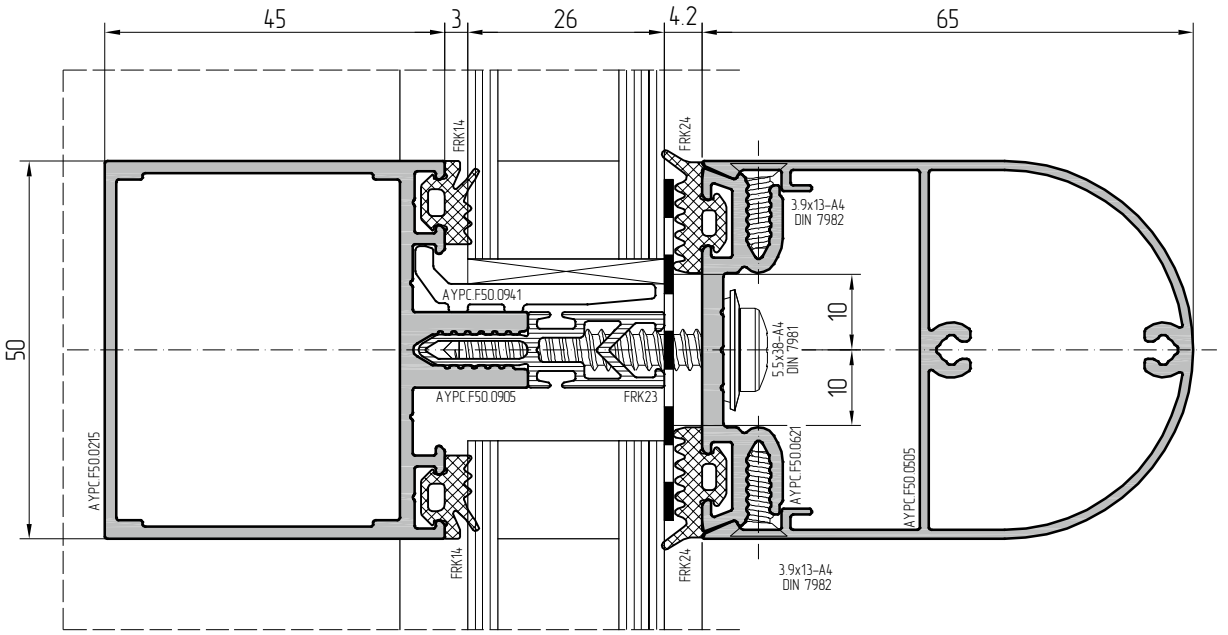


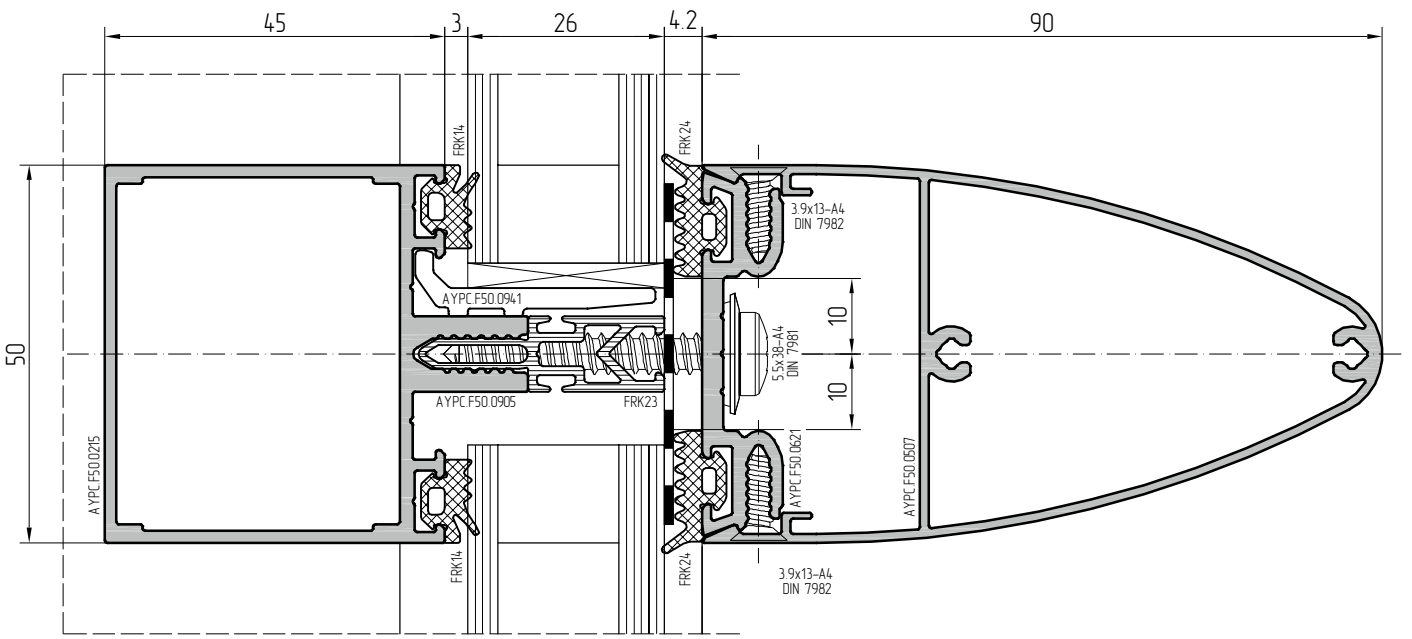


While producing glass units it is important to use sealant, resistant to ultraviolet.

Scale 1:1

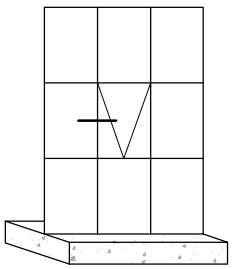


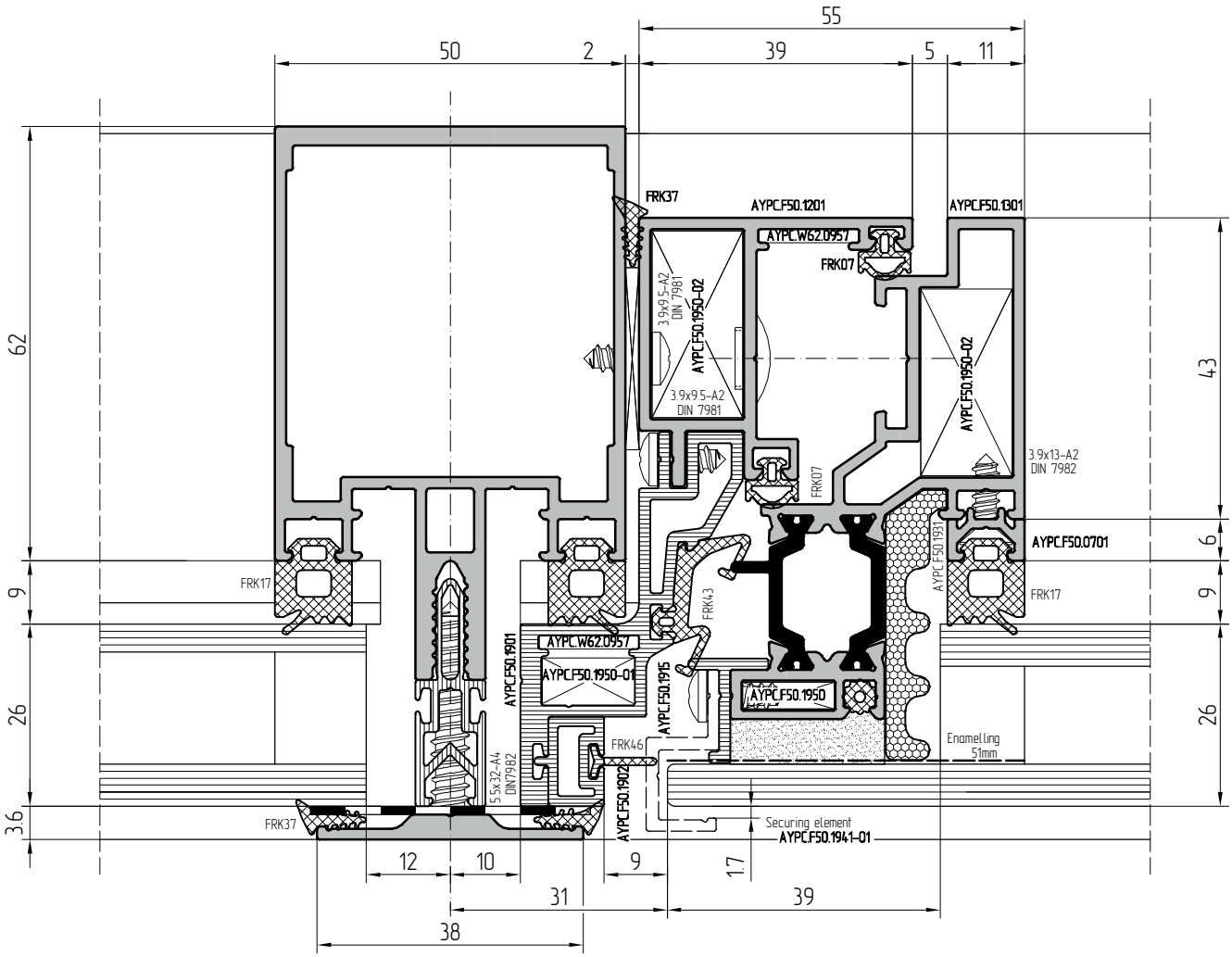




While producing glass units it is important to use sealant, resistant to ultraviolet.

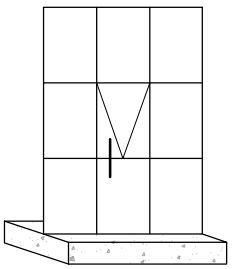
Scale 1:1

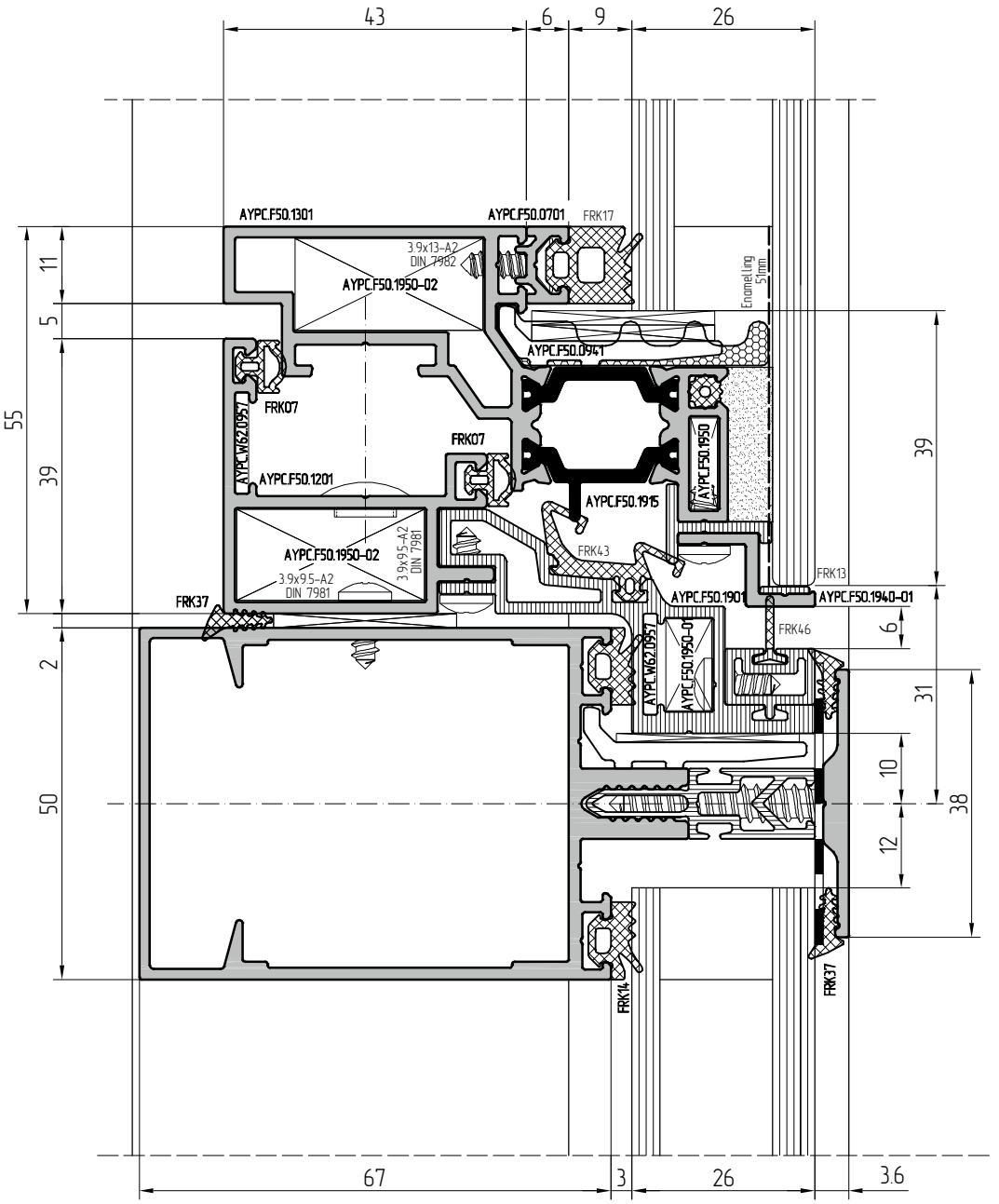




While producing glass units it is important to use sealant, resistant to ultraviolet.

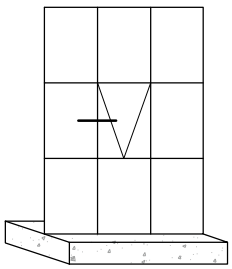
Scale 1:1

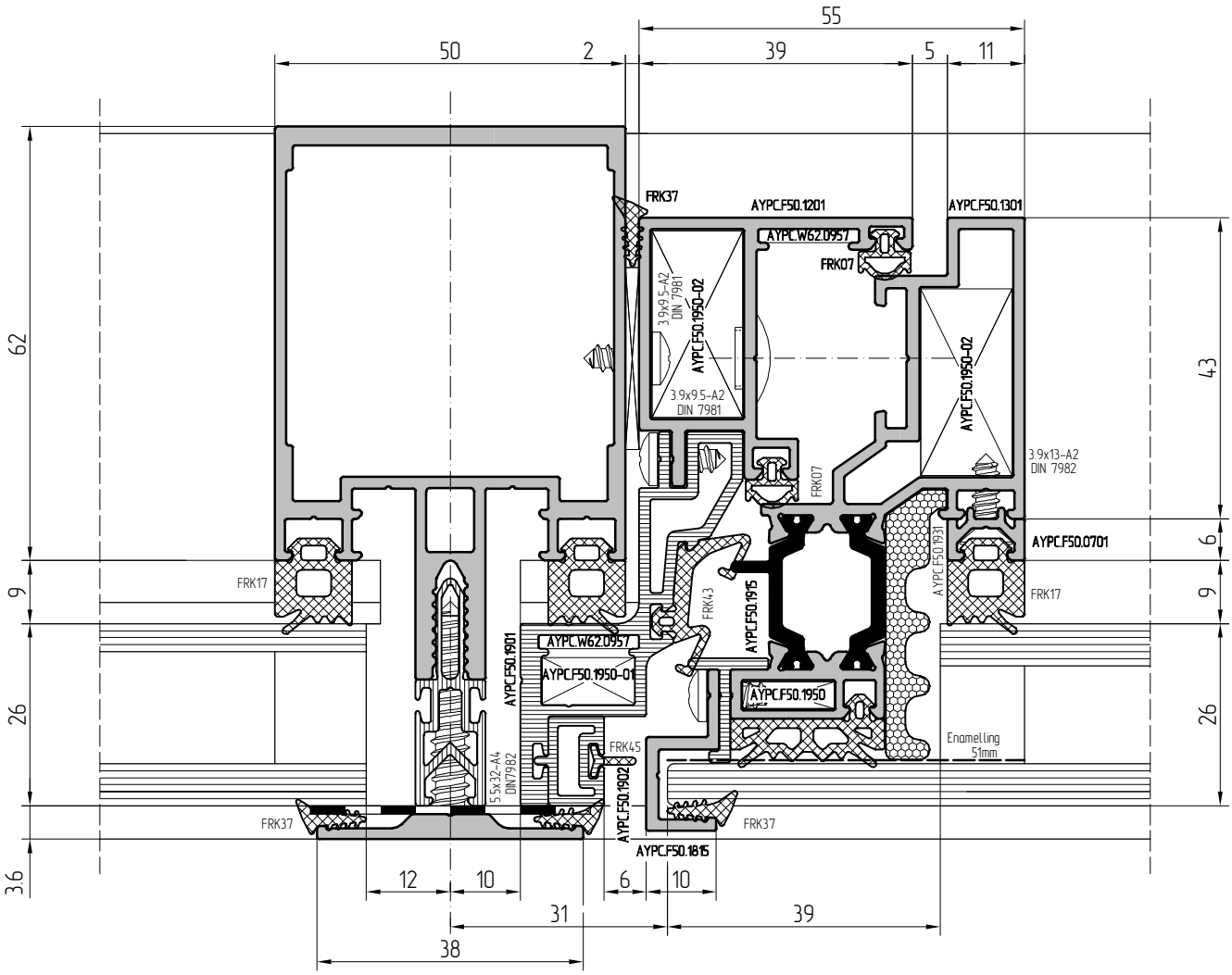




While producing glass units it is important to use sealant, resistant to ultraviolet.

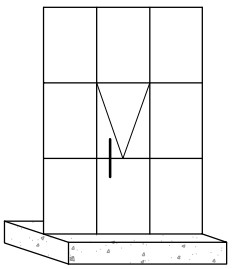
Scale 1:1

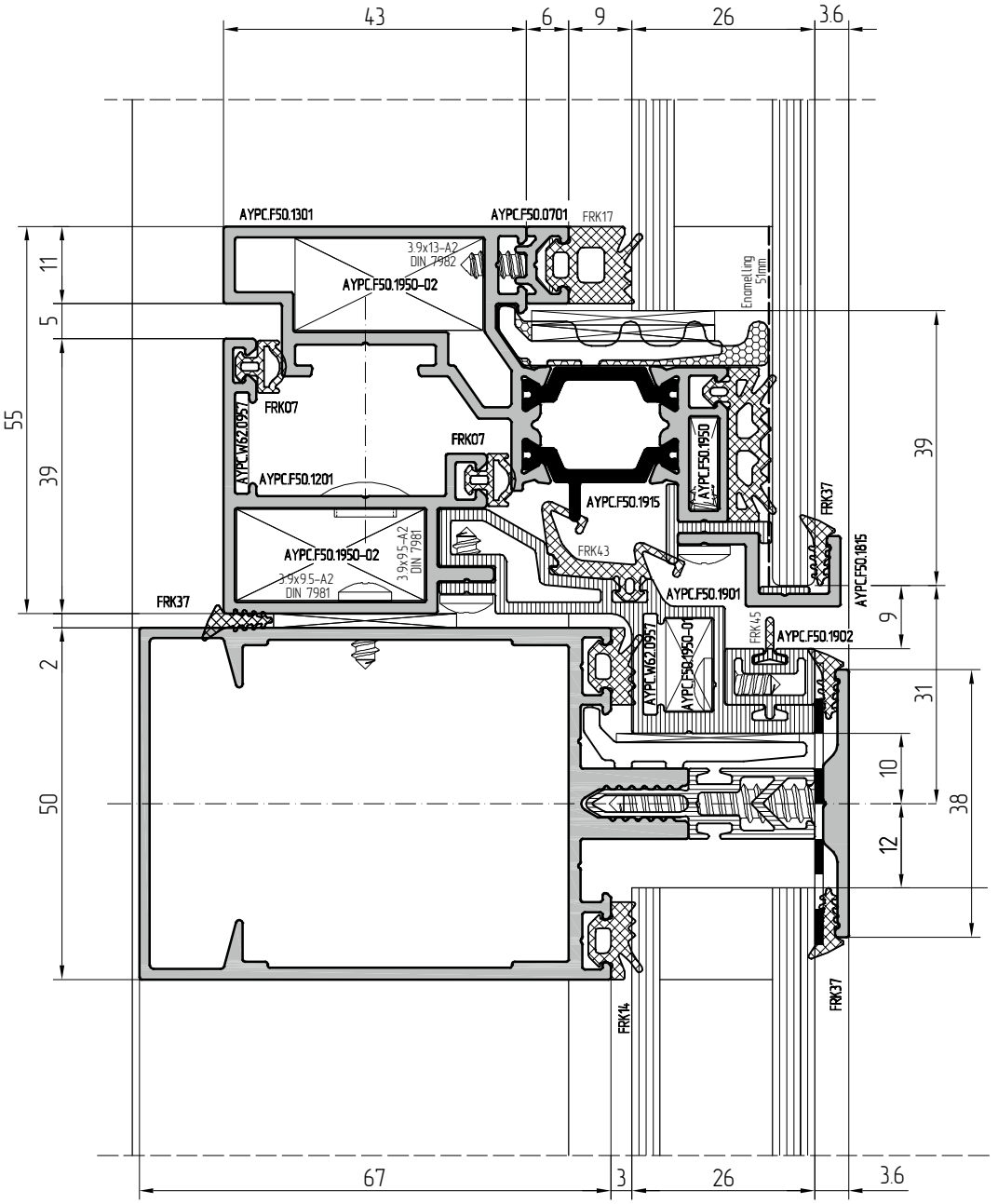




While producing glass units it is important to use sealant, resistant to ultraviolet.

Scale 1:1





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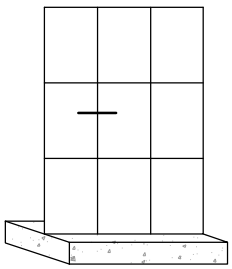
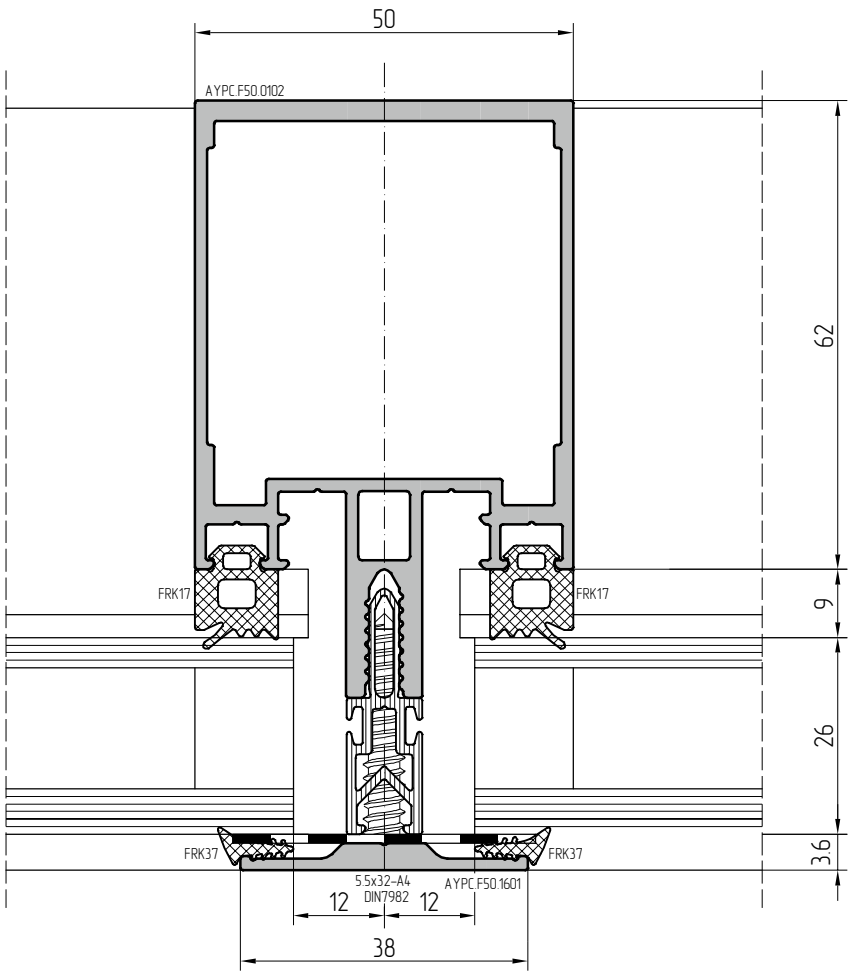
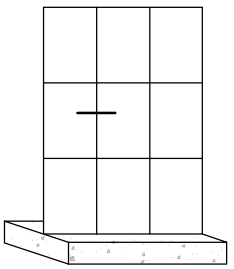
Scale 1:1

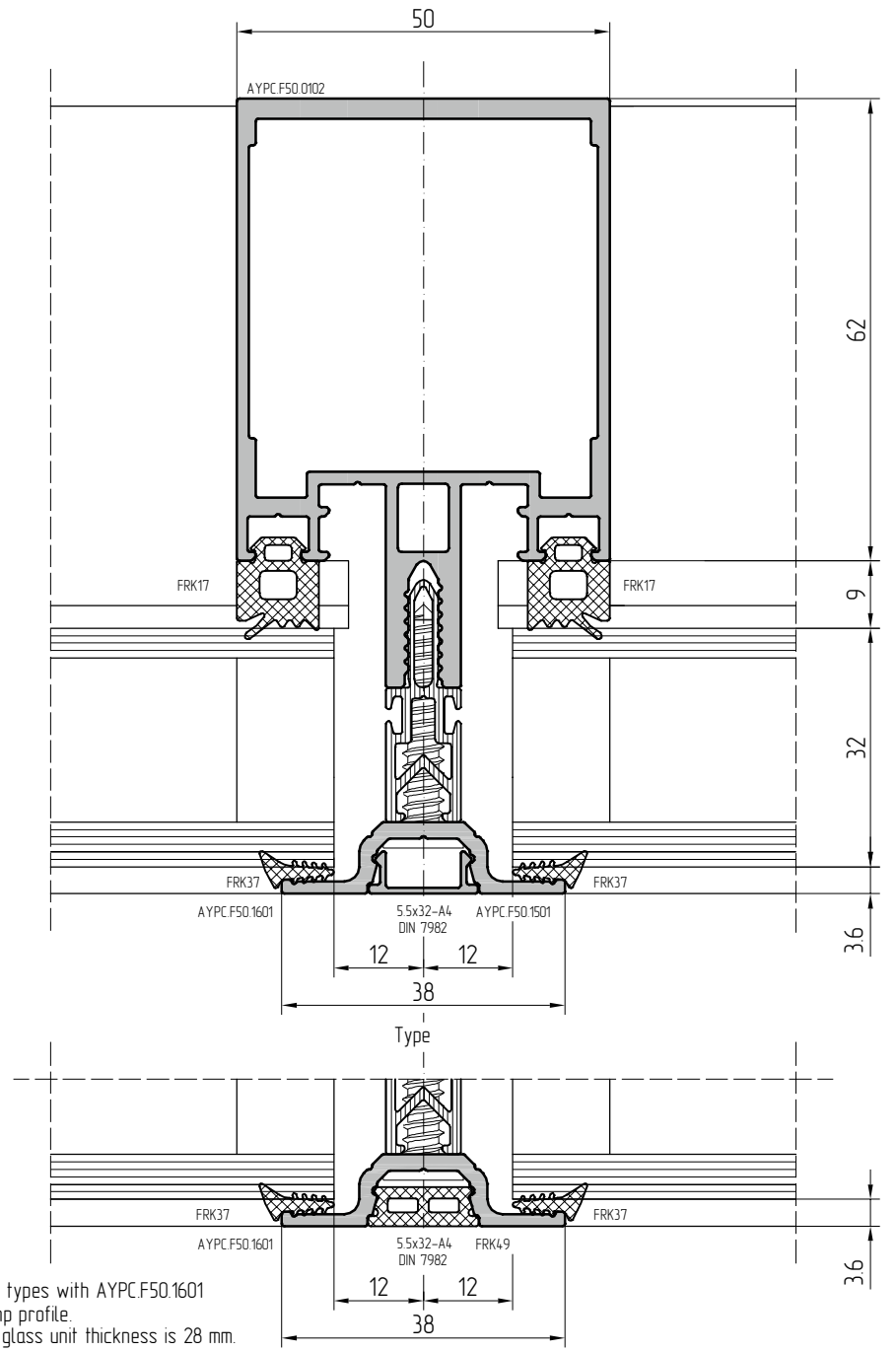




While producing glass units it is important to use sealant, resistant to ultraviolet.

Scale 1:1

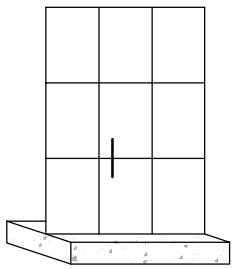


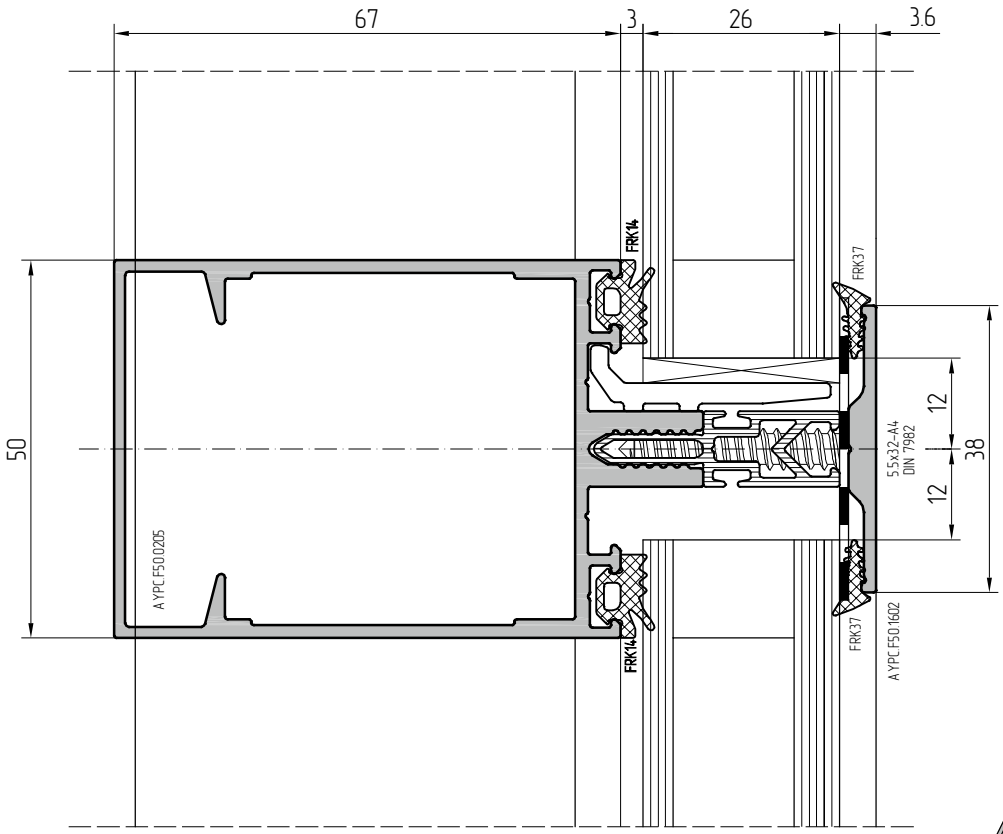


Two types with AYPC.F50.1601 clamp profile.
Min. glass unit thickness is 28 mm.

While producing glass units it is important to use sealant, resistant to ultraviolet.

Scale 1:1





Two types with AYPC.F50.1601 clamp profile.
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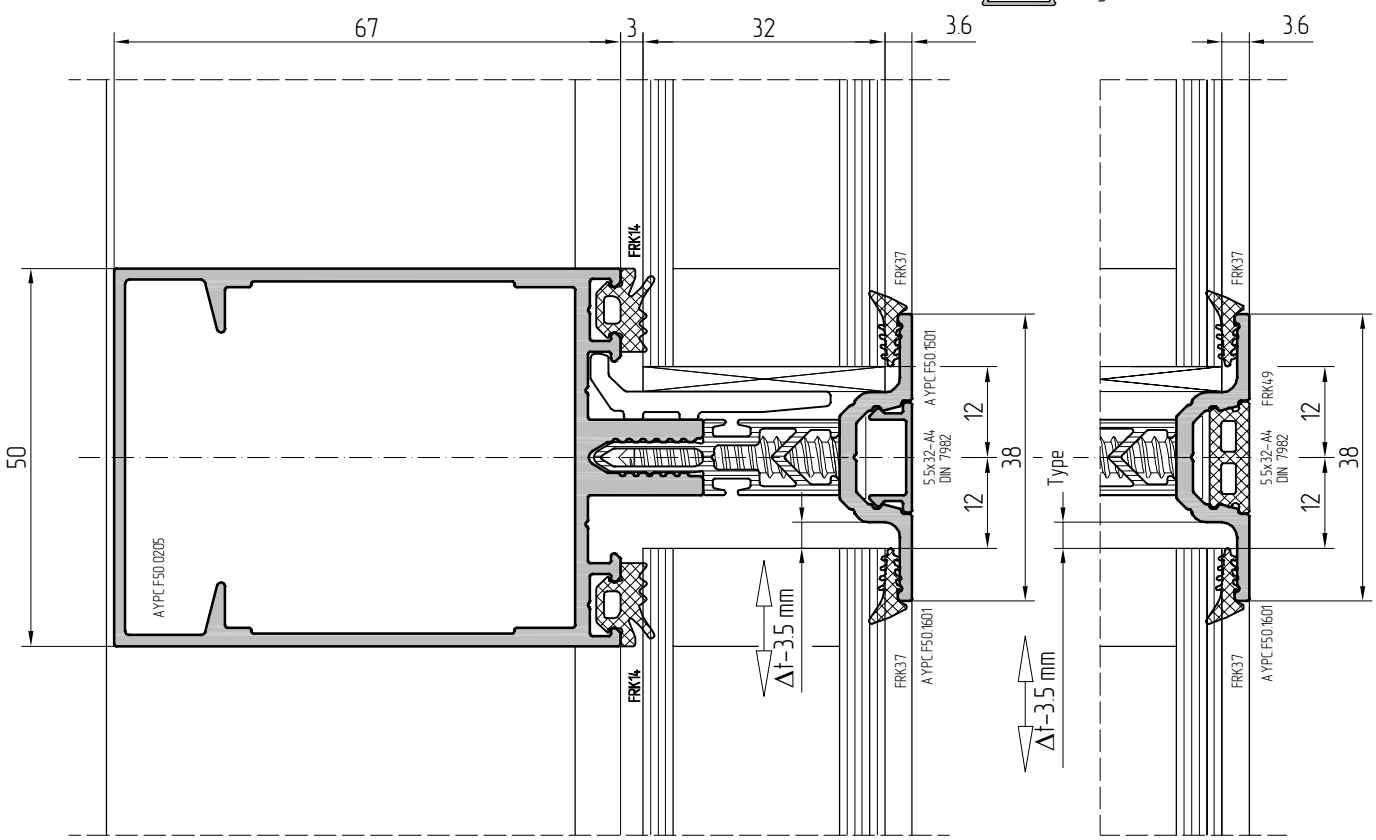
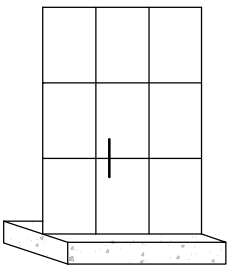
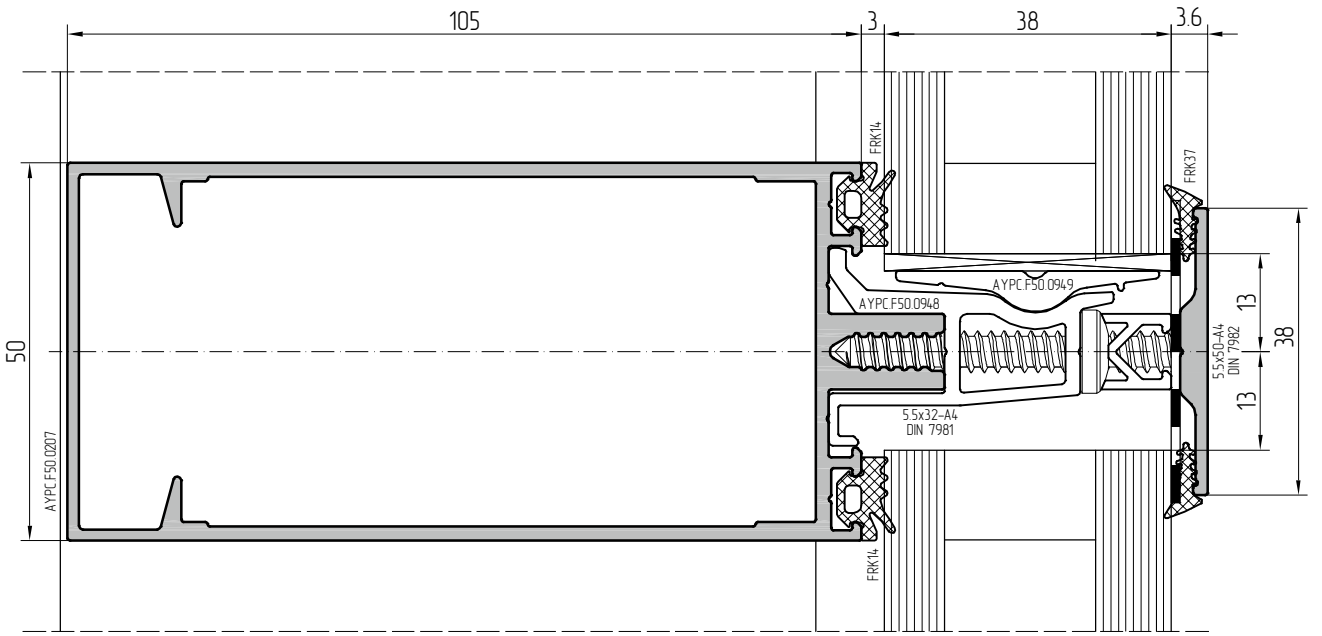
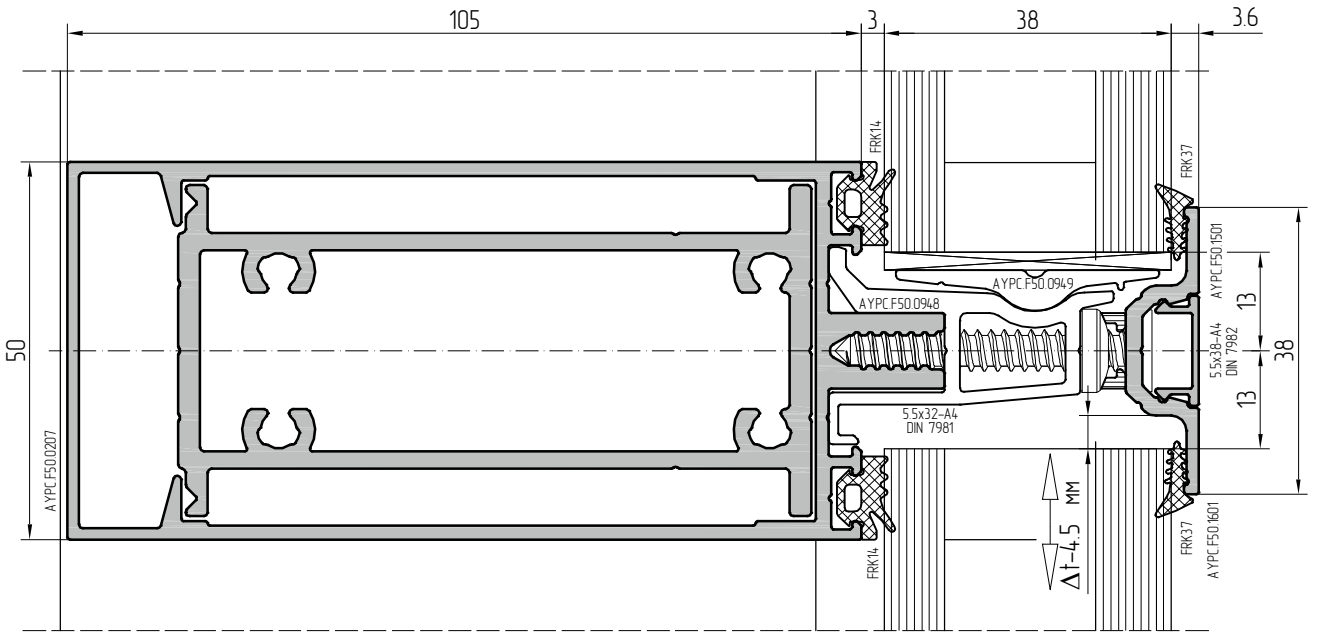


While producing glass units it is important to use sealant, resistant to ultraviolet.

Scale 1:1

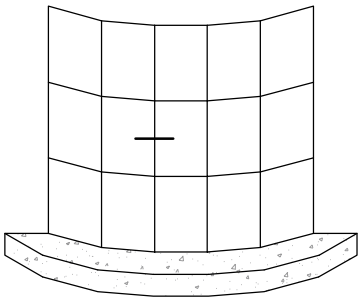


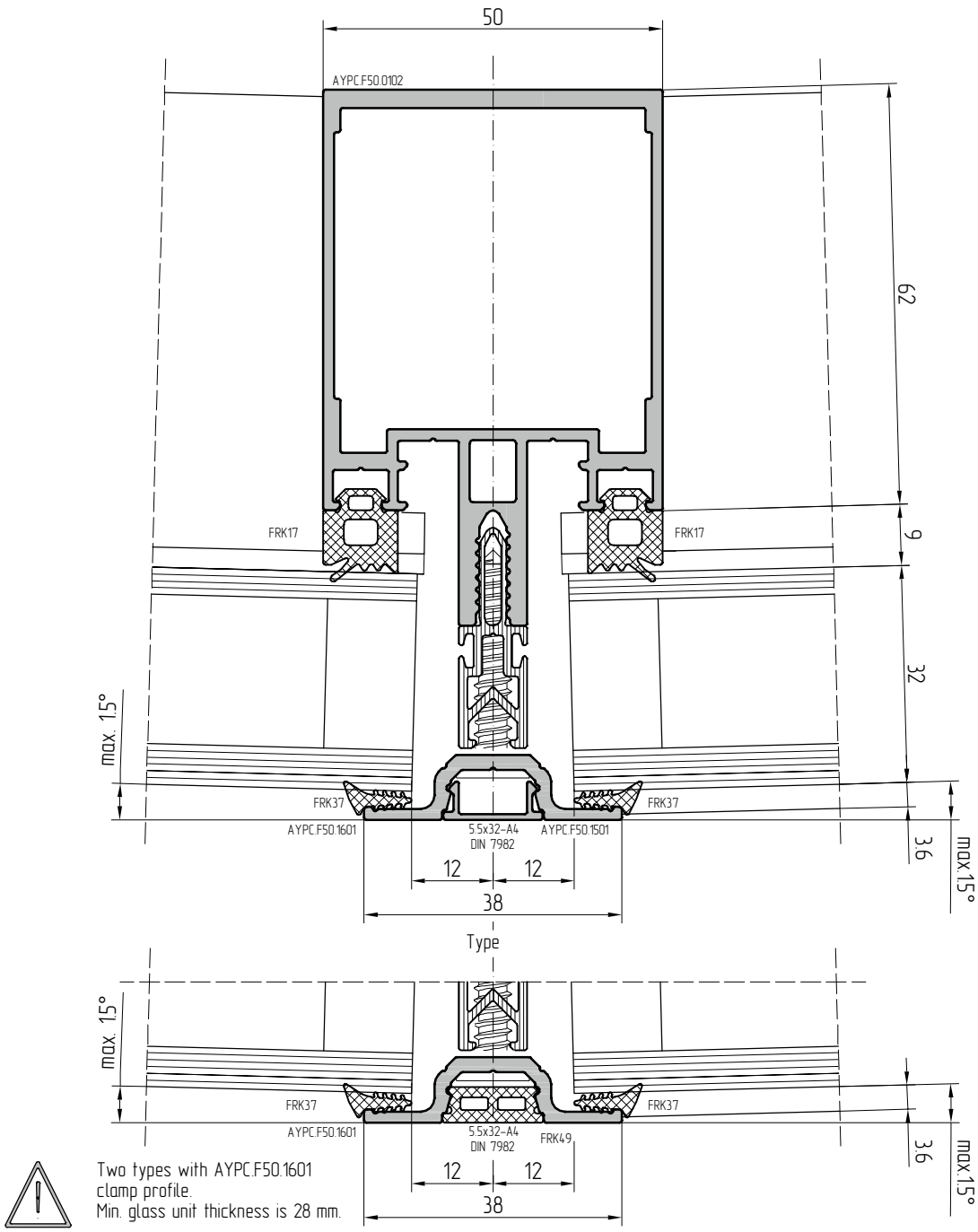




While producing glass units it is important to use sealant, resistant to ultraviolet.

Scale 1:1





Two types with AYPC.F50.1601 clamp profile.
Min. glass unit thickness is 28 mm.

While producing glass units it is important to use sealant, resistant to ultraviolet.

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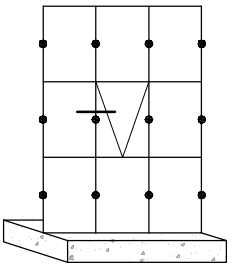
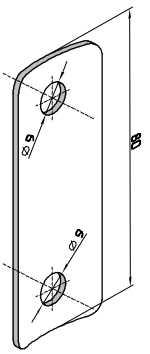
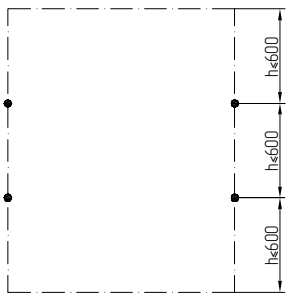


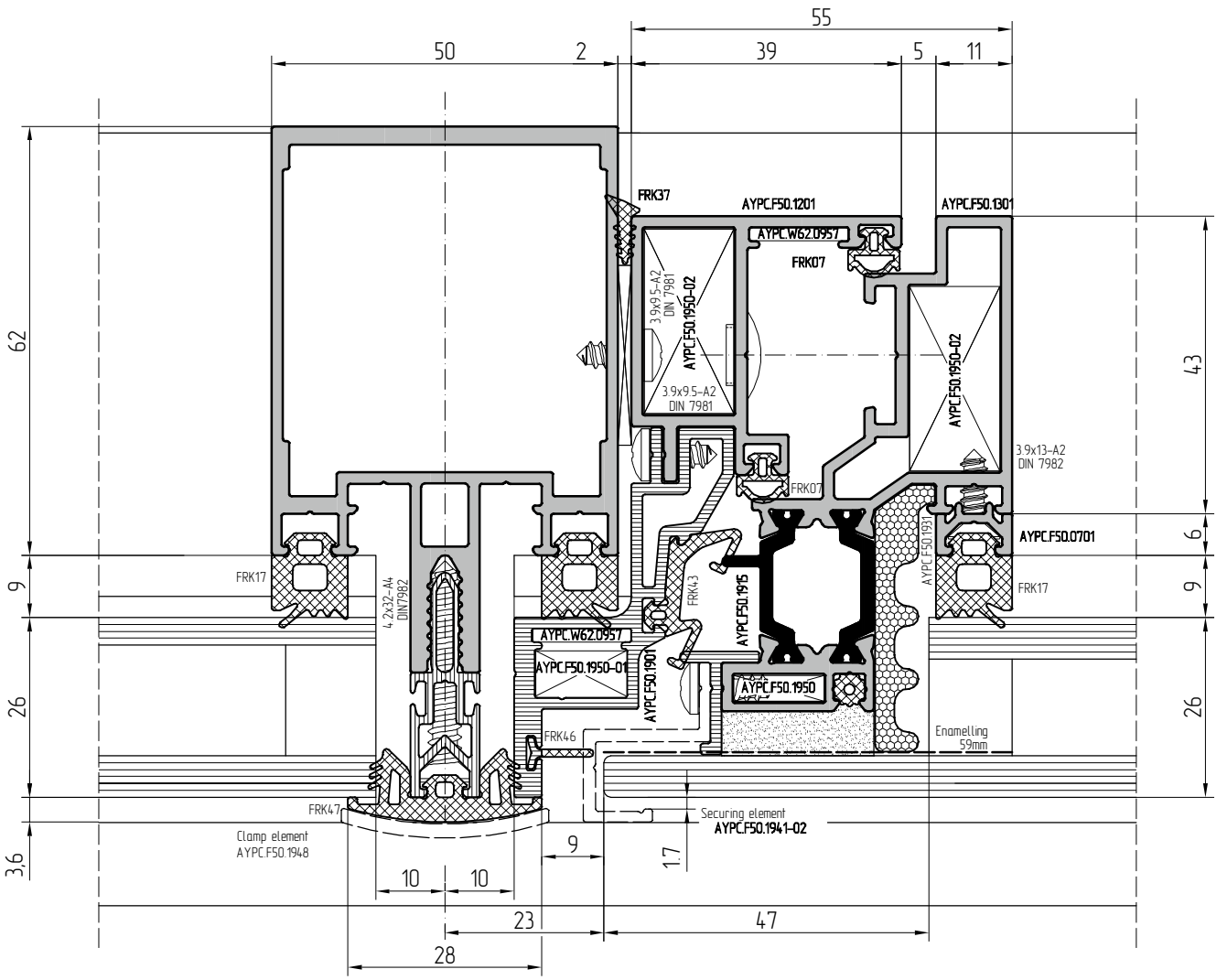
AYPC.F50.1948 clamp element is mounted on a distance of 600 mm to FRK47, FRK48 joint gaskets and is fixed with self-tapping screws. Length of self-tapping screws depends on infill unit thickness.



Layout of exterior glass clamp elements for glass units and infill unit. Dimensions in axeles.

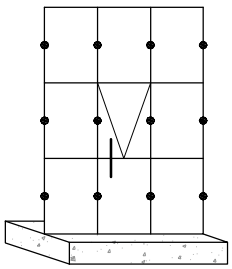


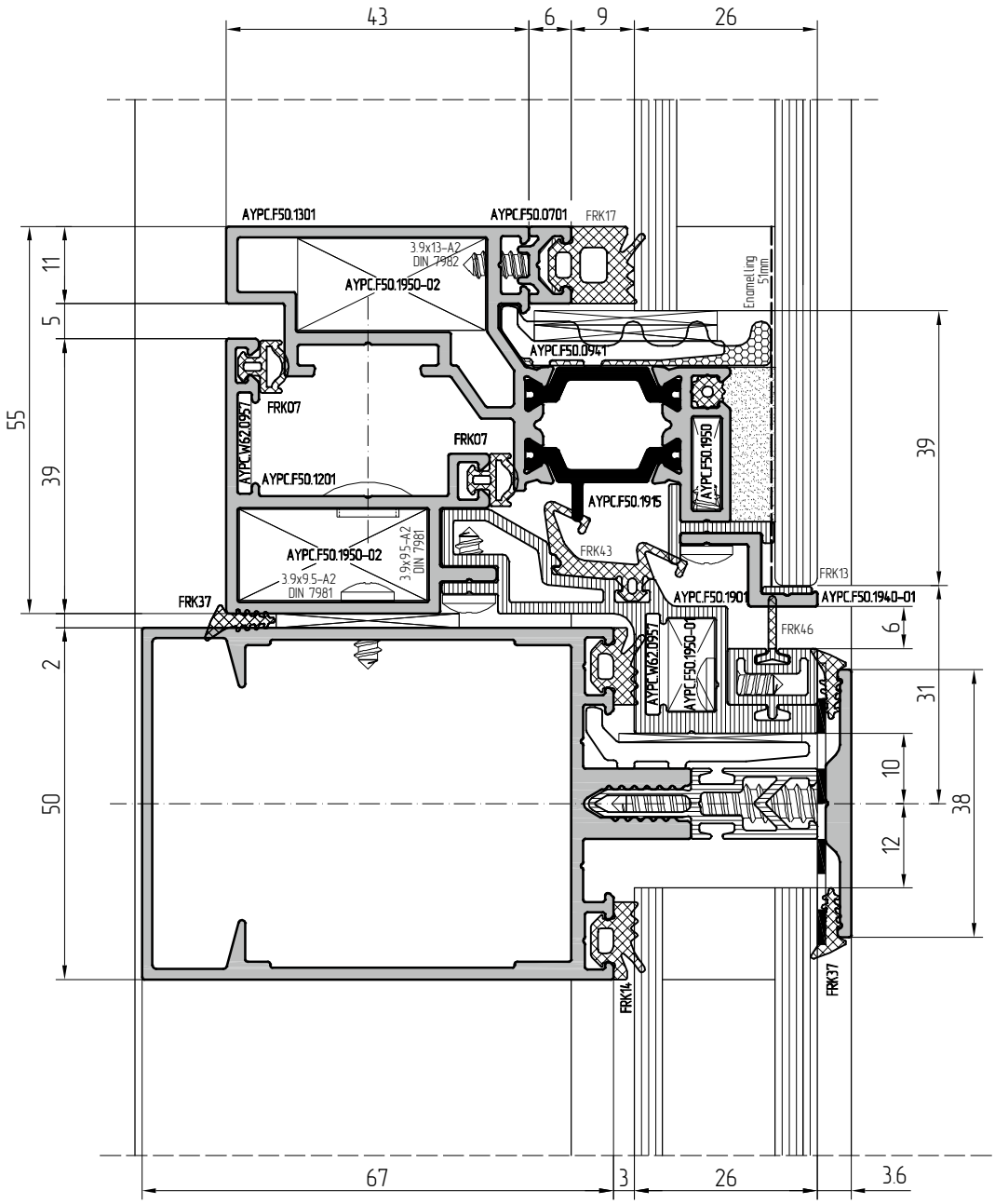
Infill unit	22 mm	24 mm	26 mm	28 mm	30 mm	32 mm	34 mm	36 mm	38 mm
Self-tapping screw	2 pcs 5.5x38 DIN 7982			2 pcs 5.5x45 DIN 7982			2 pcs 5.5x50 DIN 7982		



While producing glass units it is important to use sealant, resistant to ultraviolet.

Scale 1:1





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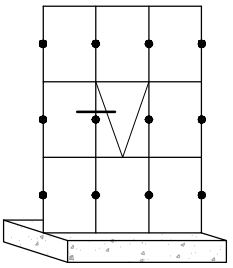
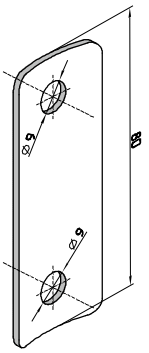
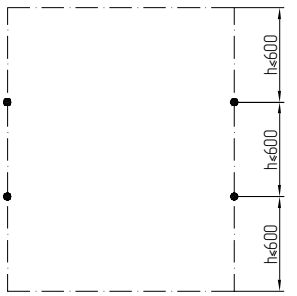
Scale 1:1



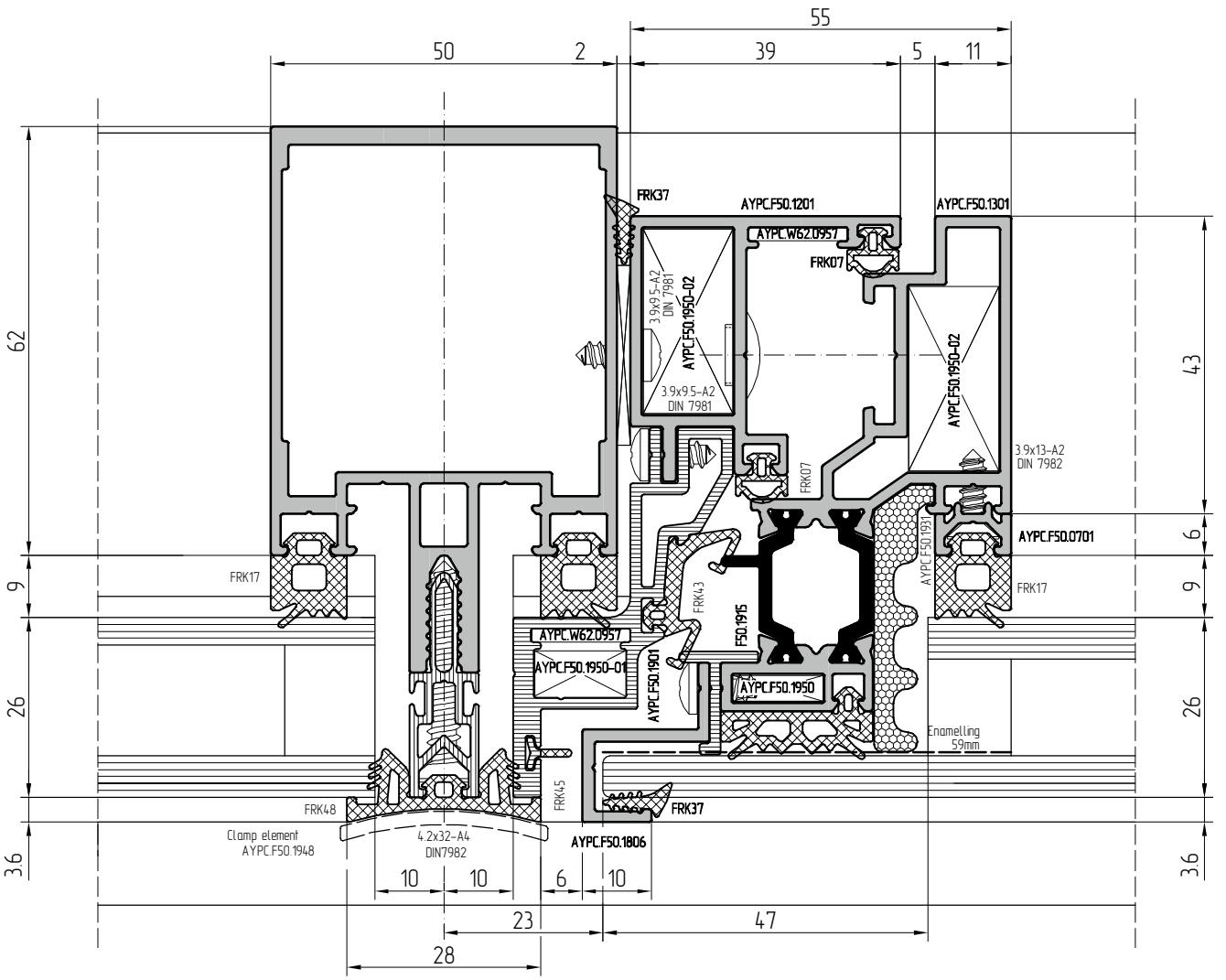
AYPC.F50.1948 clamp element is mounted on a distance of 600 mm to FRK47, FRK48 joint gaskets and is fixed with self-tapping screws. Length of self-tapping screws depends on infill unit thickness.



Layout of exterior glass clamp elements for glass units and infill unit. Dimensions in axeles.

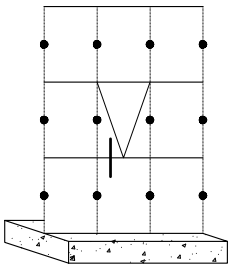


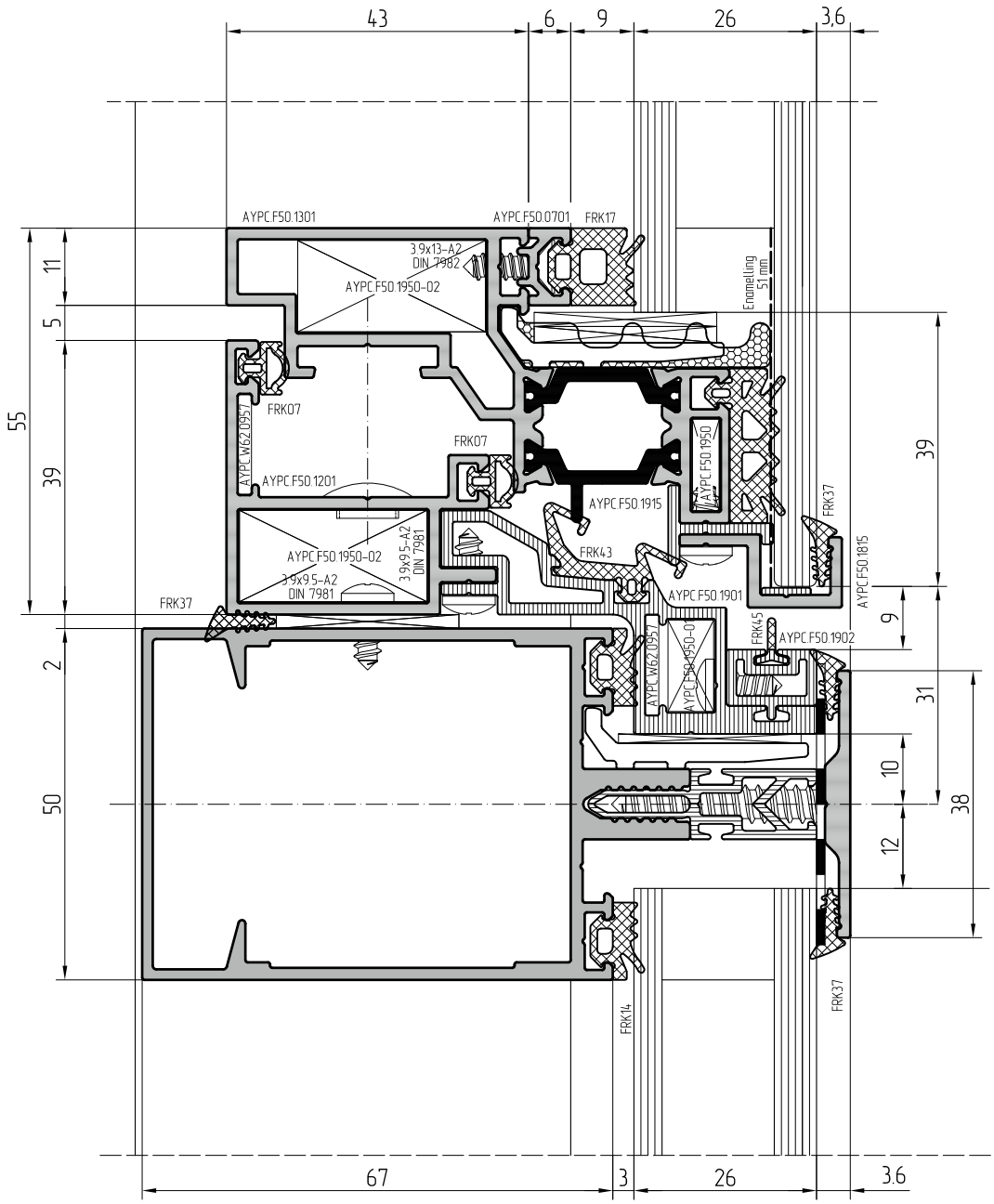
Infill unit	22 mm	24 mm	26 mm	28 mm	30 mm	32 mm	34 mm	36 mm	38 mm
Self-tapping screw	2 pcs 5.5x38 DIN 7982			2 pcs 5.5x45 DIN 7982			2 pcs 5.5x50 DIN 7982		



While producing glass units it is important to use sealant, resistant to ultraviolet.

Scale 1:1





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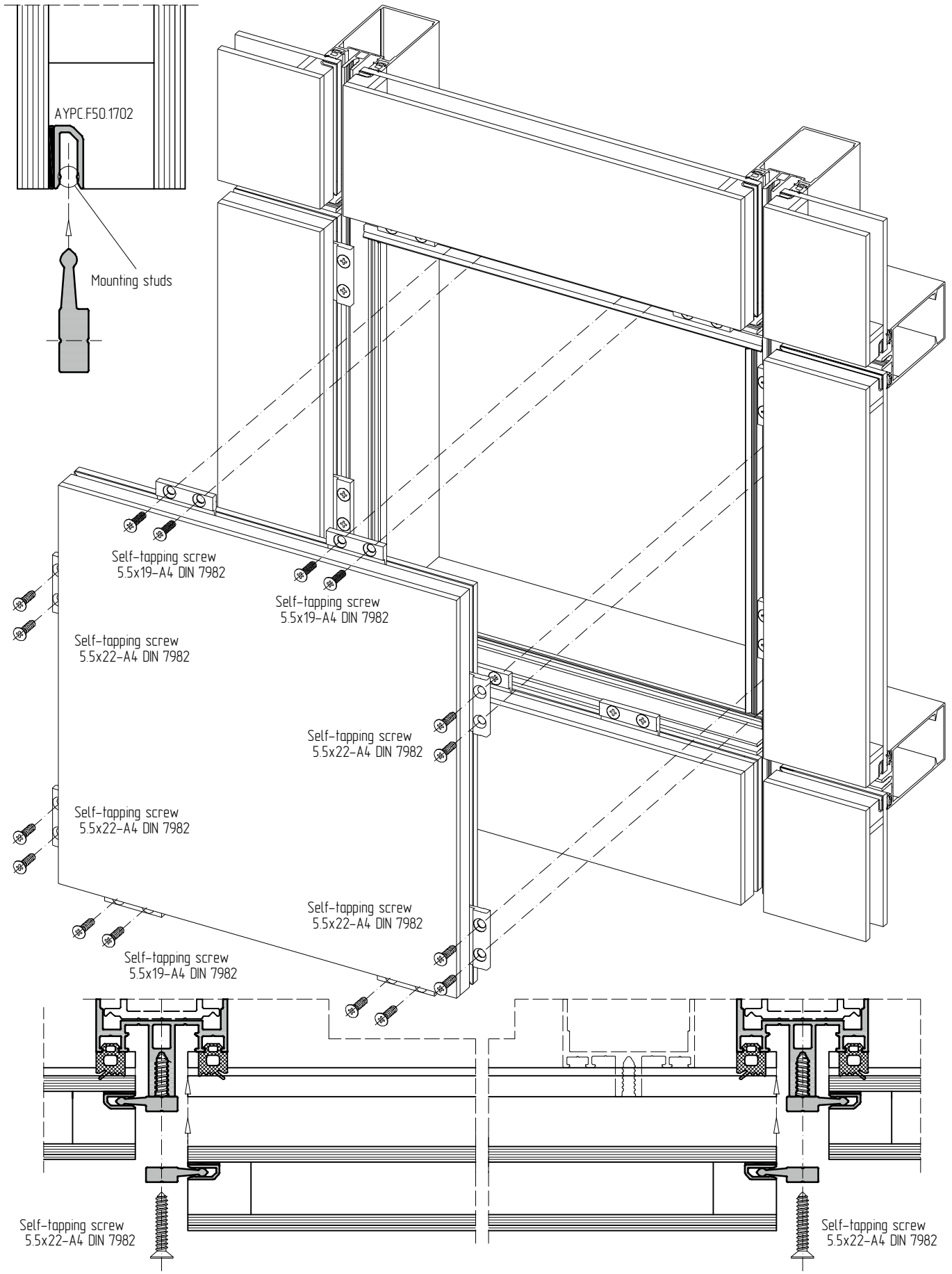
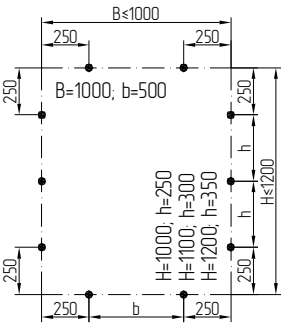
Assemblage and installation

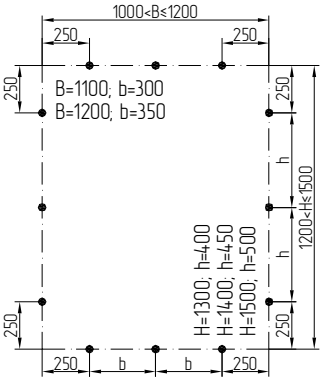
Infill units installation



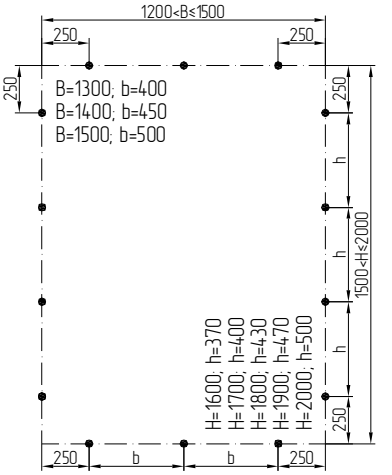
Layout of point fastening of infill units for dimensions less than 1000x1200 mm. Dimensions from axle to axle



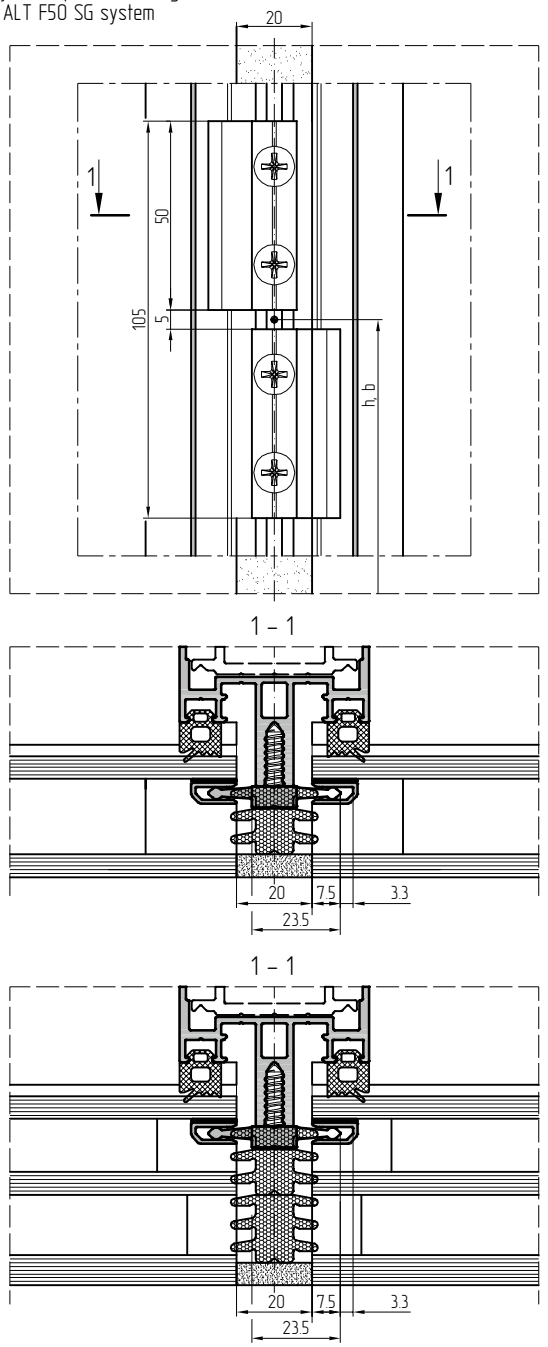
Layout of point fastening of infill units for dimensions from 1000x1200 mm up to 1200x1500 mm. Dimensions from axle to axle



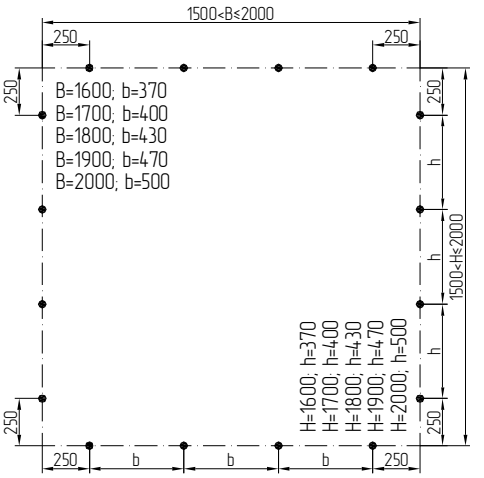
Layout of point fastening of infill units for dimensions from 1200x1500 mm up to 1500x2000 mm. Dimensions from axle to axle



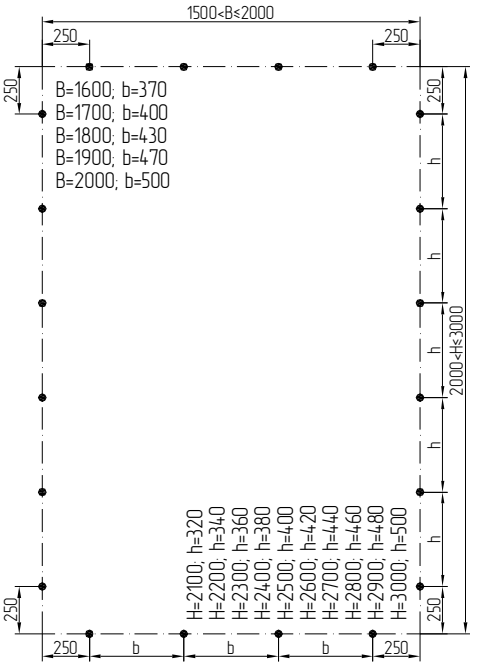
Layout of point fastening of infill units in ALT F50 SG system



Layout of point fastening of infill units for dimensions from 1500x1500 mm up to 2000x2000 mm. Dimensions from axle to axle

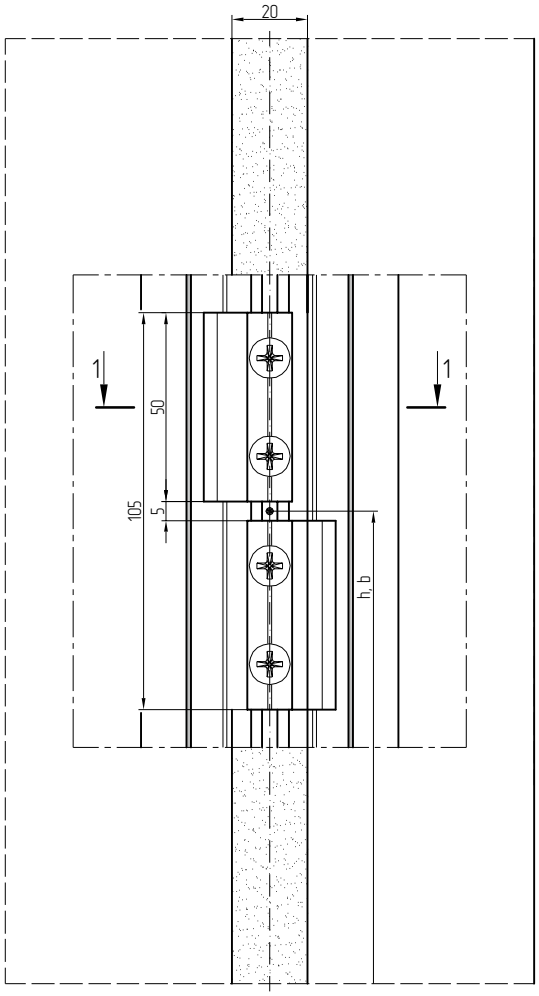


Layout of point fastening of infill units for dimensions from 1500x2000 mm up to 2000x3000 mm. Dimensions from axle to axle

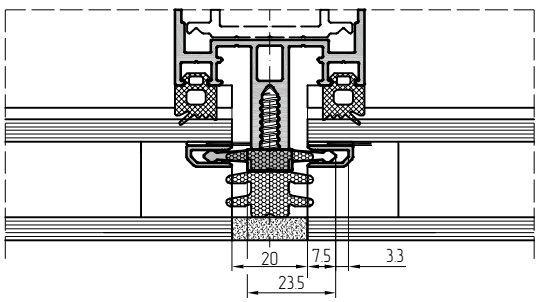


Distance between fastening points 250 mm<b, h<500 mm.
Using infill unit of one side of 500 mm<B, H<800 mm, use only one fastening point.
Min. glass unit dimension for ALT F50 SG system is 500x500 mm

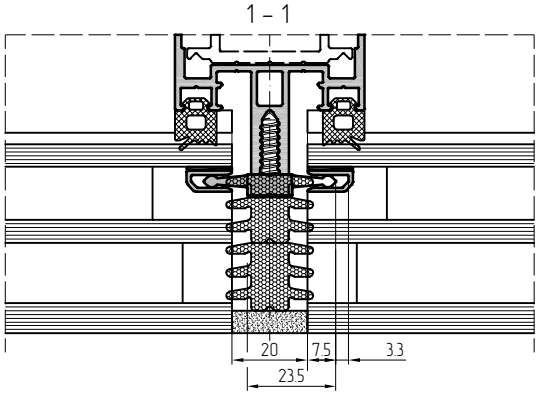
Layout of point fastening of infill units in ALT F50 SG system



1 – 1

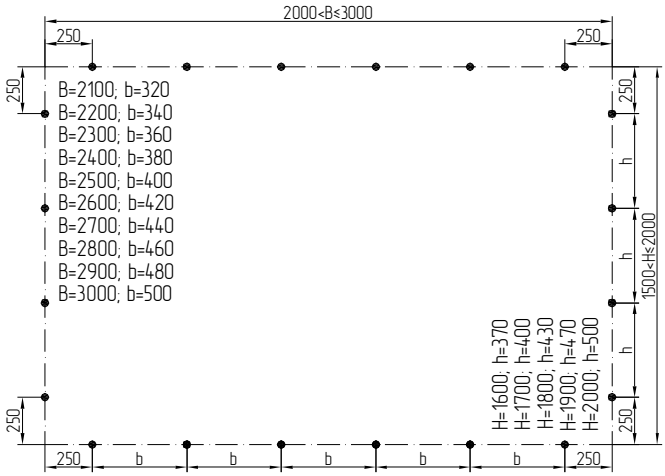


1 – 1

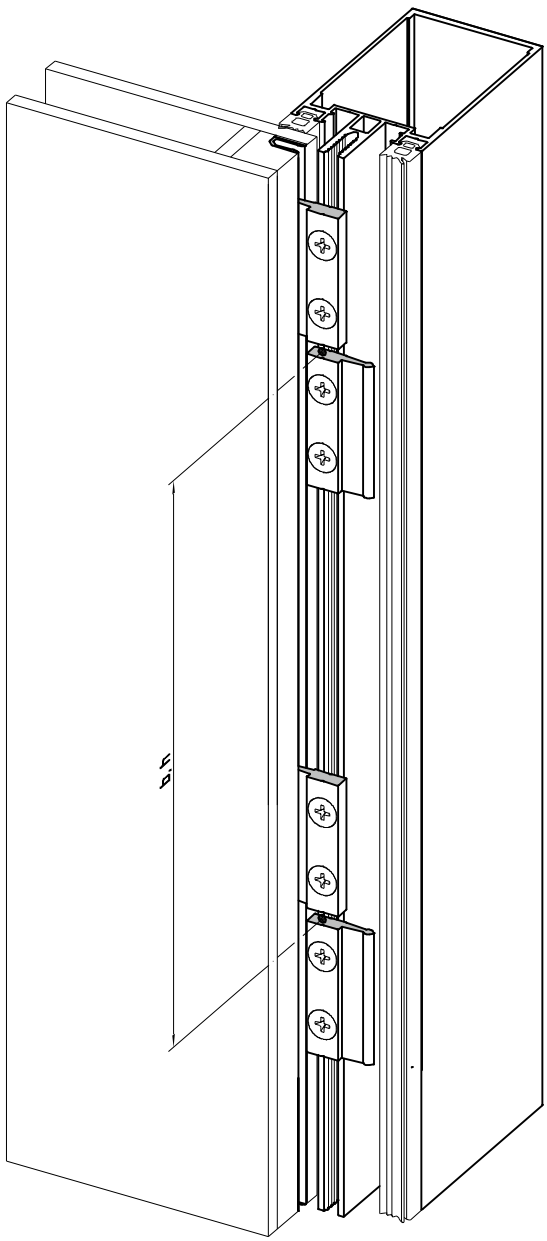


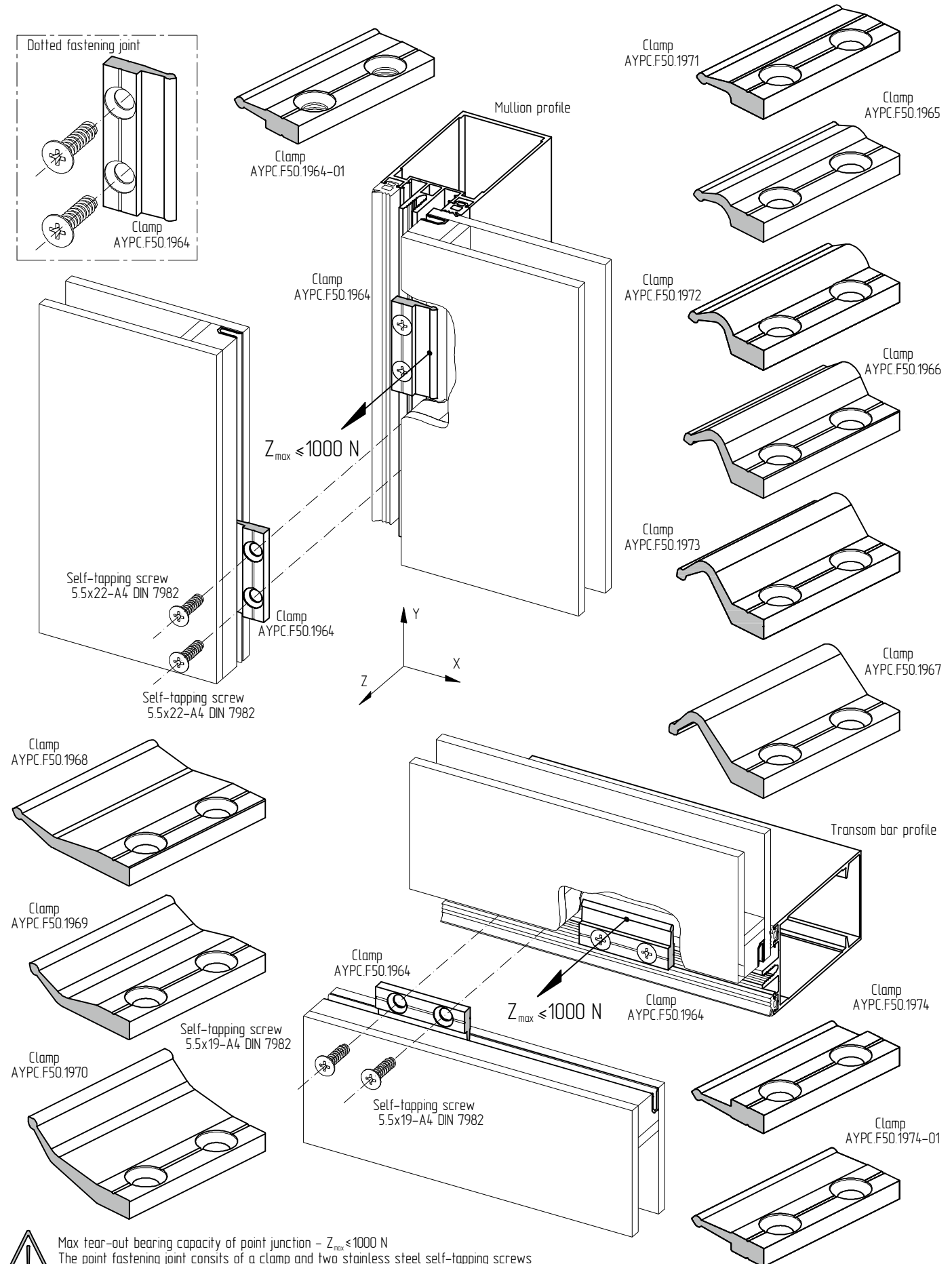
Distance between fastening points 250 mm<b, h<500 mm.
Using infill unit of one side of 500 mm<B, H<800 mm, use only one fastening point.
Min. glass unit dimension for ALT F50 SG system is 500x500 mm

Layout of point fastening of infill units for dimensions from 2000x3000 mm up to 1500x2000 mm. Dimensions from axle to axle

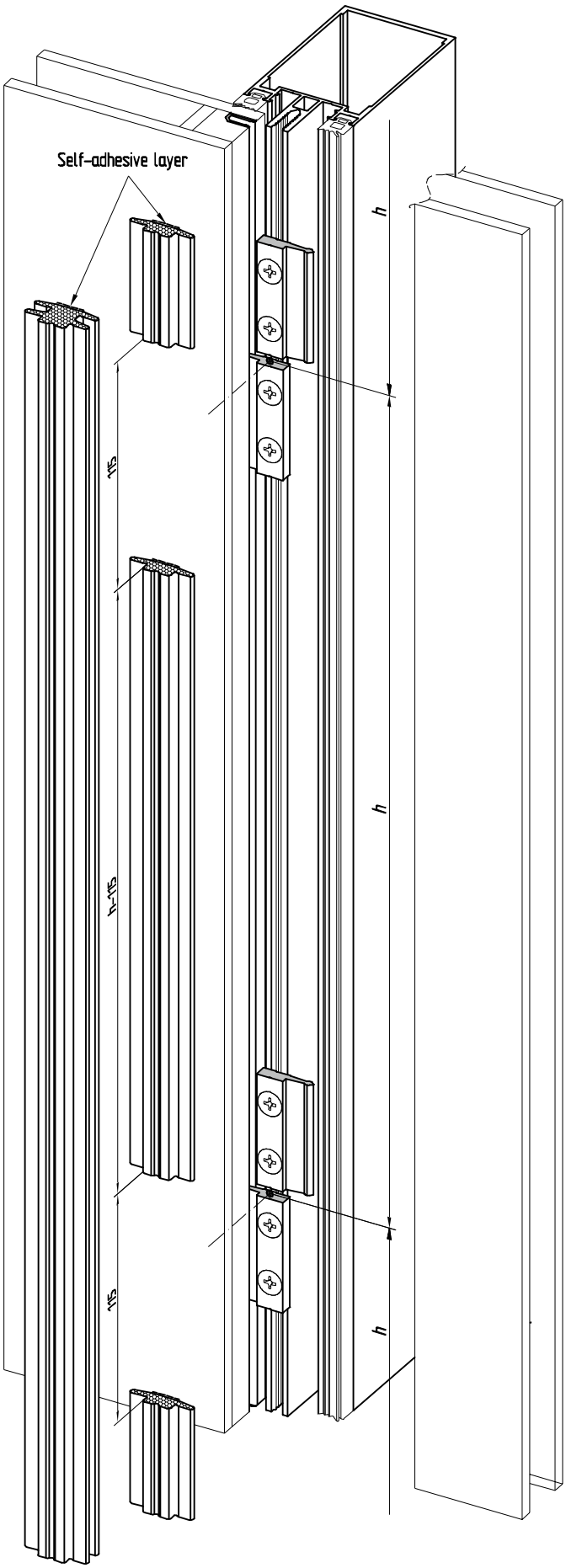


Layout of point fastening of infill units in ALT F50 SG system

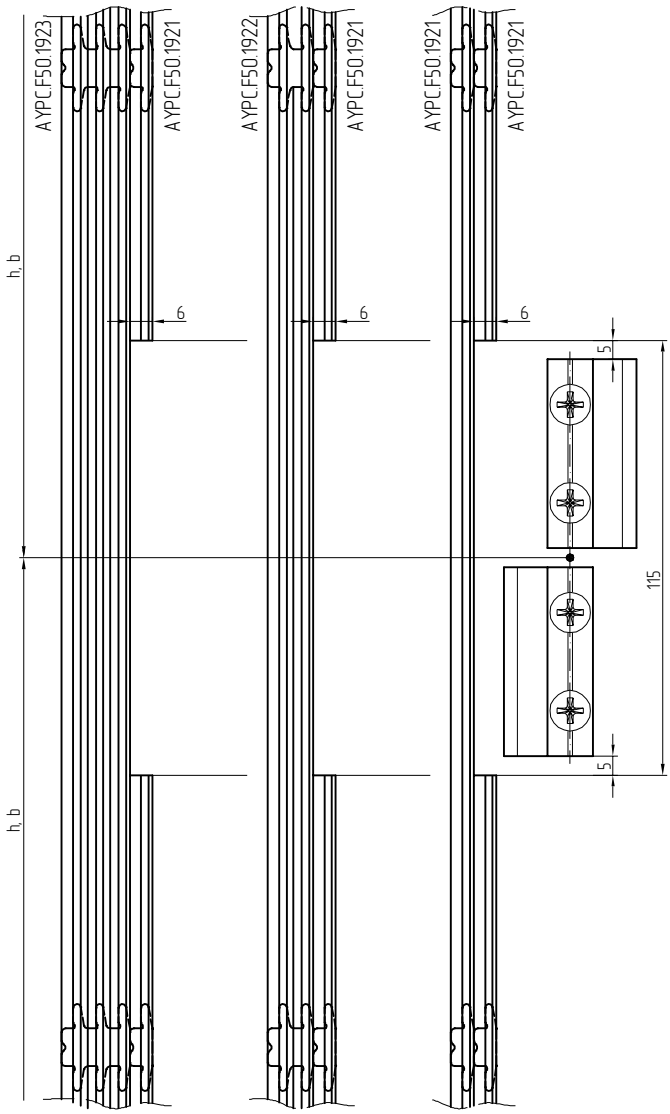


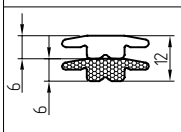
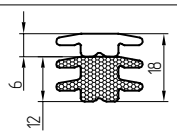
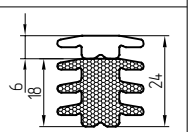
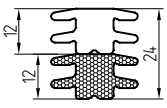
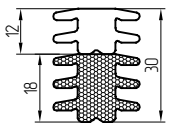


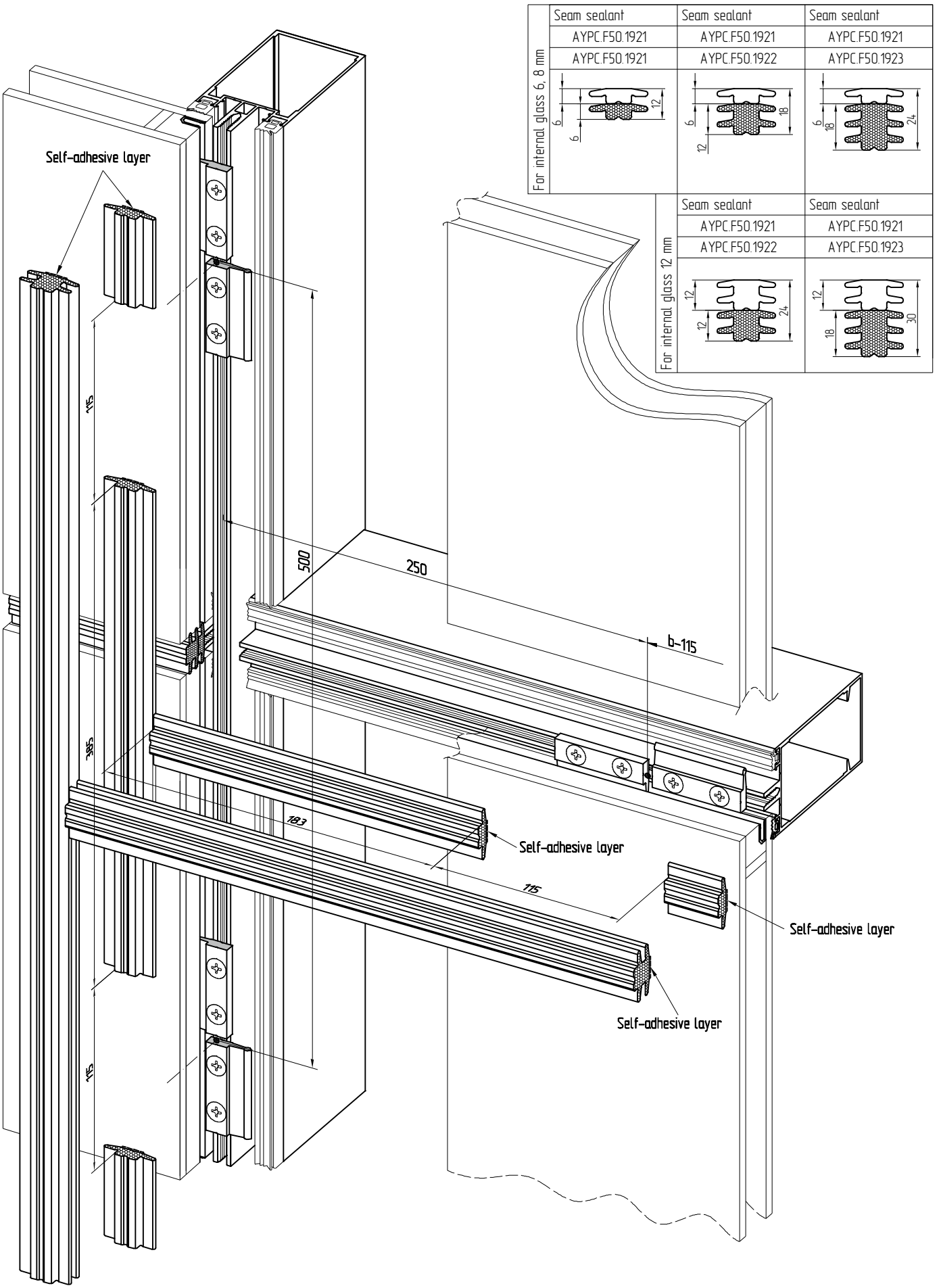
Max tear-out bearing capacity of point junction – $Z_{max} \leq 1000$ N
The point fastening joint consits of a clamp and two stainless steel self-tapping screws (2 pcs 5.5x22 mm DIN 7982 for mullion, 2 pcs 5.5x19 mm DIN 7982 for transom)



Cutting of seam sealant for point fastening joints

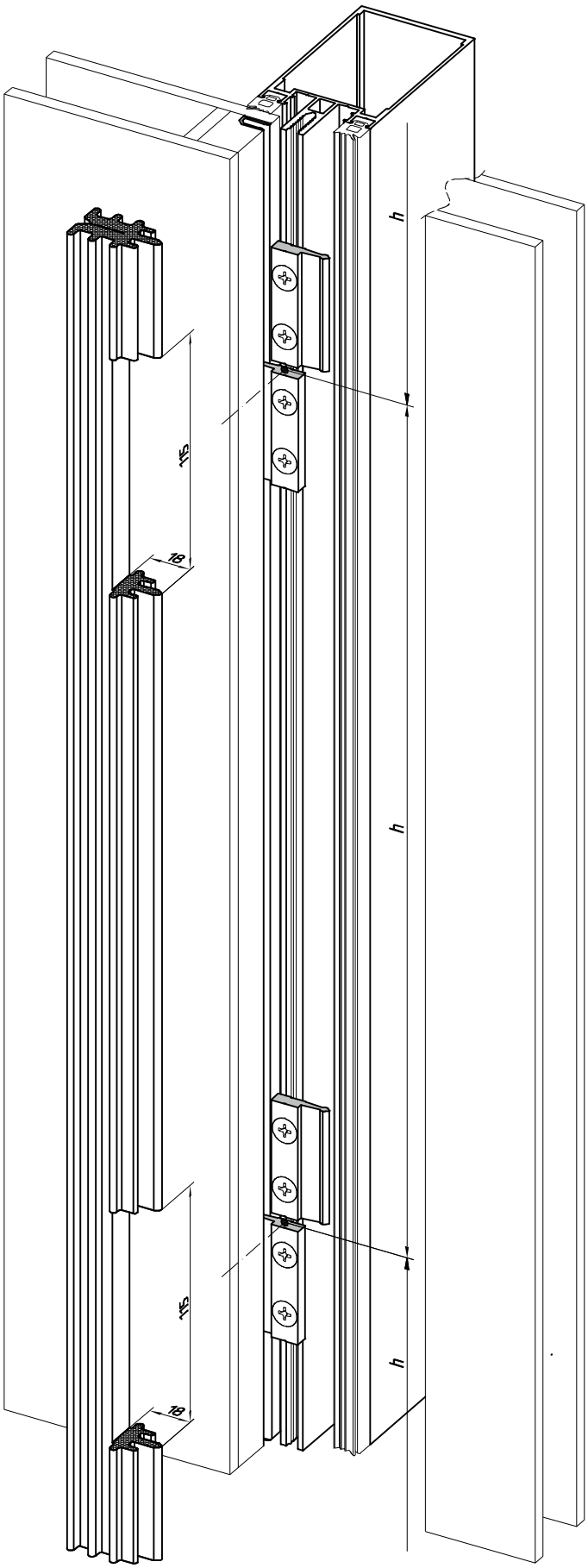


For internal glass 6, 8 mm	Seam sealant	Seam sealant	Seam sealant
	AYPC.F50.1921	AYPC.F50.1921	AYPC.F50.1921
	AYPC.F50.1921	AYPC.F50.1922	AYPC.F50.1923
			
For internal glass 12 mm	Seam sealant	Seam sealant	
	AYPC.F50.1922	AYPC.F50.1922	
	AYPC.F50.1922	AYPC.F50.1923	
			

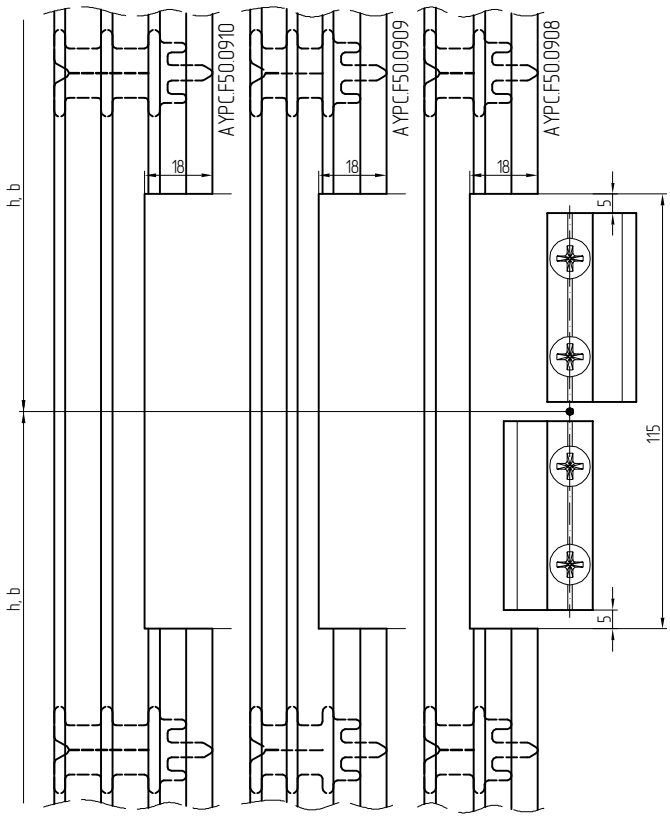


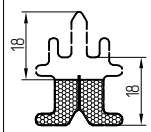
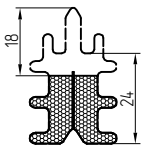
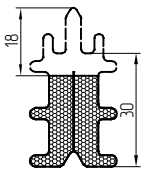
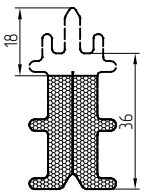
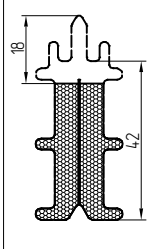
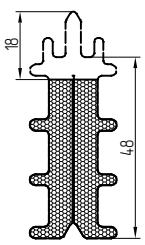
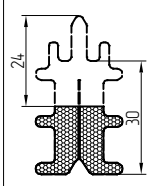
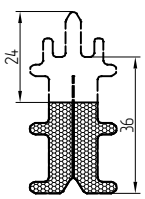
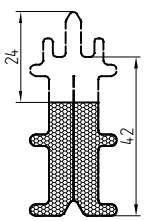
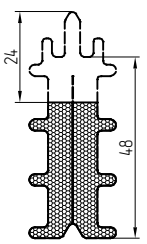
For internal glass 6, 8 mm			
	Seam sealant	Seam sealant	Seam sealant
	AYPC.F50.1921	AYPC.F50.1921	AYPC.F50.1921
	AYPC.F50.1921	AYPC.F50.1922	AYPC.F50.1923

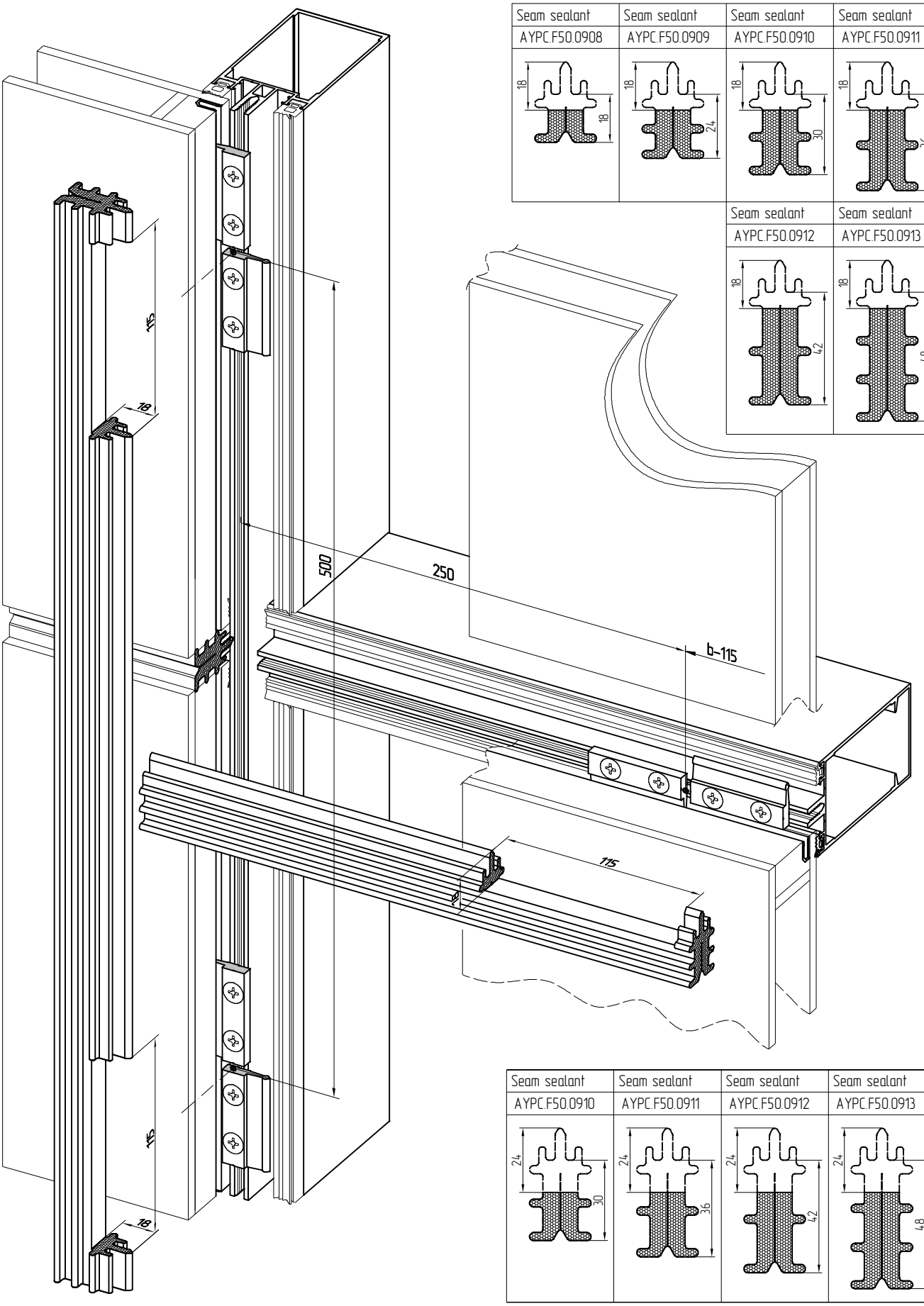
For internal glass 12 mm		
Seam sealant	Seam sealant	
AYPC.F50.1921	AYPC.F50.1921	
AYPC.F50.1922	AYPC.F50.1923	



Thermal break profile cutting for point fastening joints



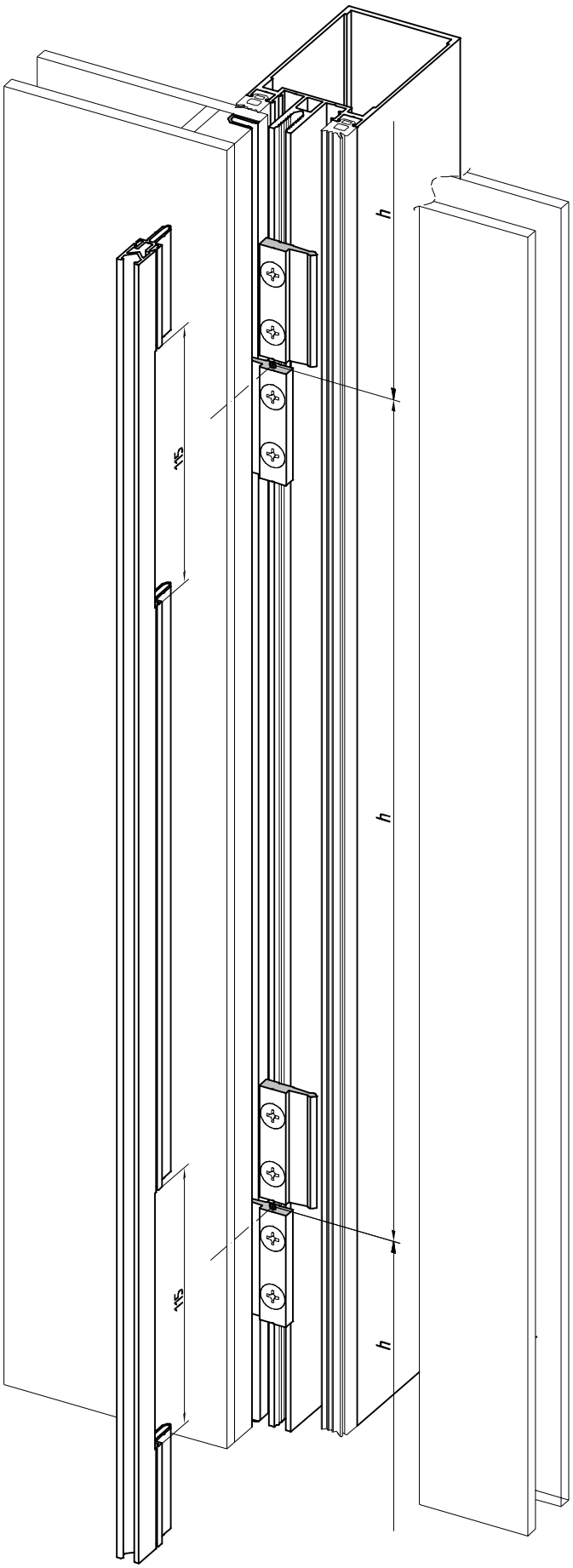
For internal glass 6, 8 mm	Seam sealant AYPC.F50.0908	Seam sealant AYPC.F50.0909	Seam sealant AYPC.F50.0910	Seam sealant AYPC.F50.0911
				
For internal glass 6, 8 mm	Seam sealant AYPC.F50.0912	Seam sealant AYPC.F50.0913		
				
For internal glass 12 mm	Seam sealant AYPC.F50.0910	Seam sealant AYPC.F50.0911	Seam sealant AYPC.F50.0912	Seam sealant AYPC.F50.0913
				



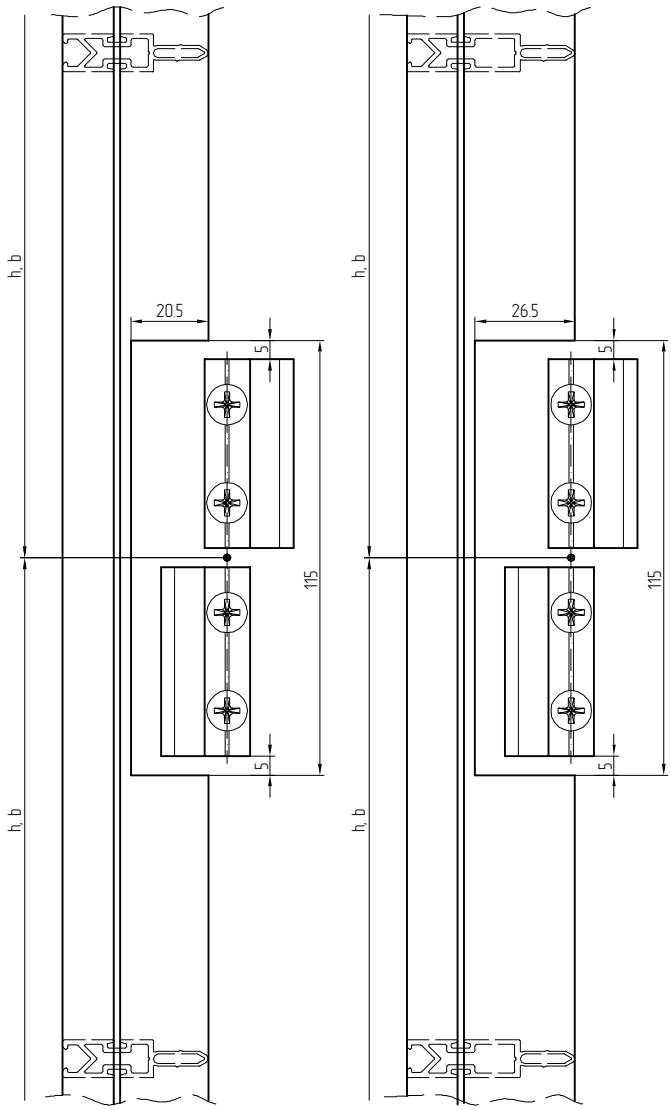
Seam sealant AYPC.F50.0908	Seam sealant AYPC.F50.0909	Seam sealant AYPC.F50.0910	Seam sealant AYPC.F50.0911	For internal glass 6, 8 mm

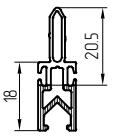
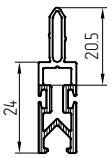
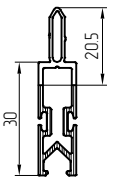
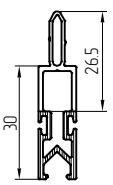
Seam sealant AYPC.F50.0912	Seam sealant AYPC.F50.0913	For internal glass 6, 8 mm

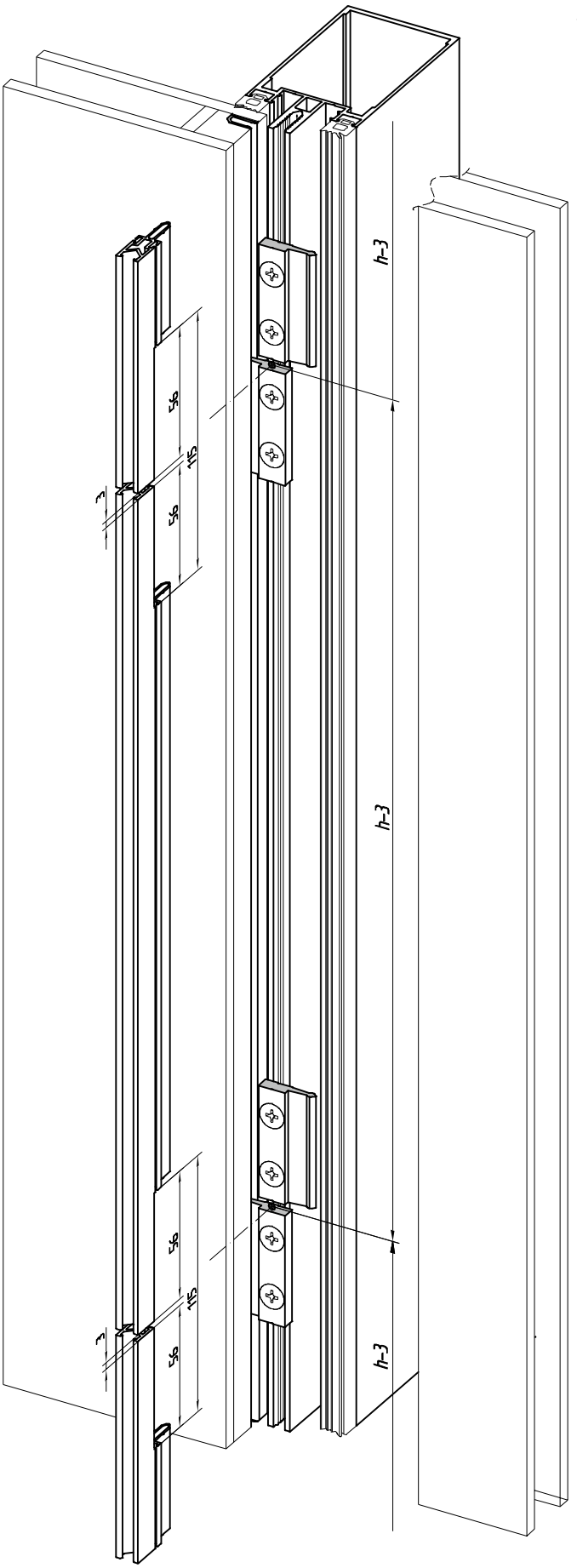
Seam sealant AYPC.F50.0910	Seam sealant AYPC.F50.0911	Seam sealant AYPC.F50.0912	Seam sealant AYPC.F50.0913	For internal glass 12 mm



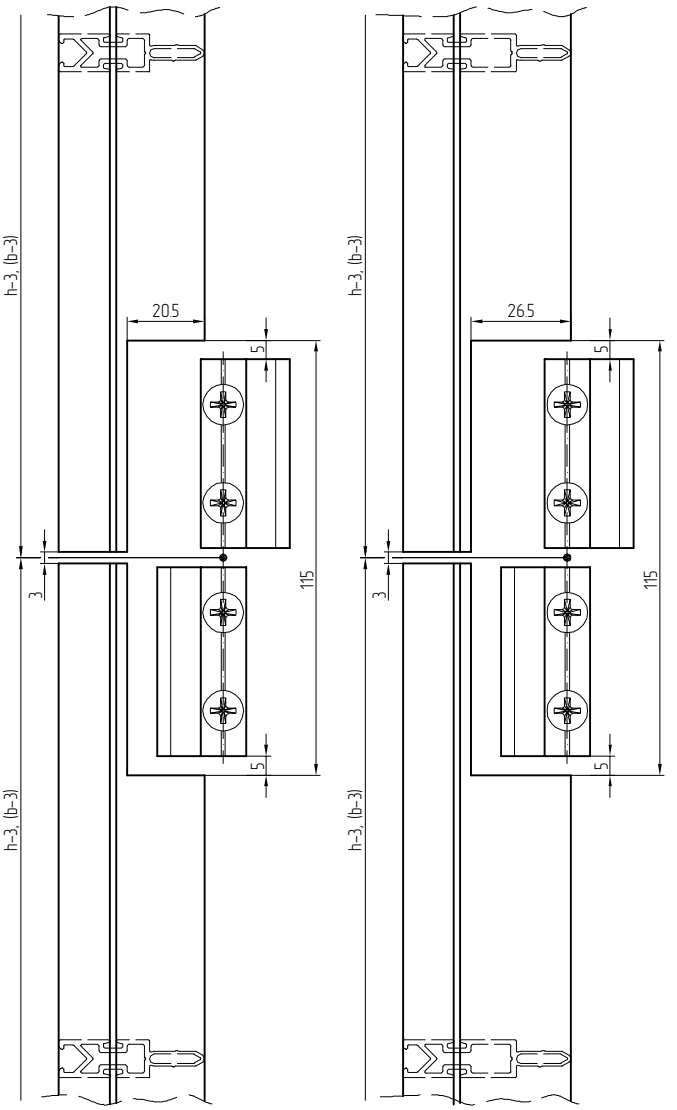
Thermal break profile shaping for point fastening joints

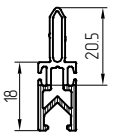
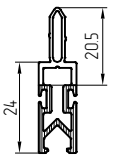
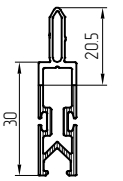
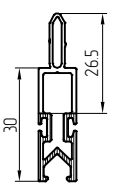


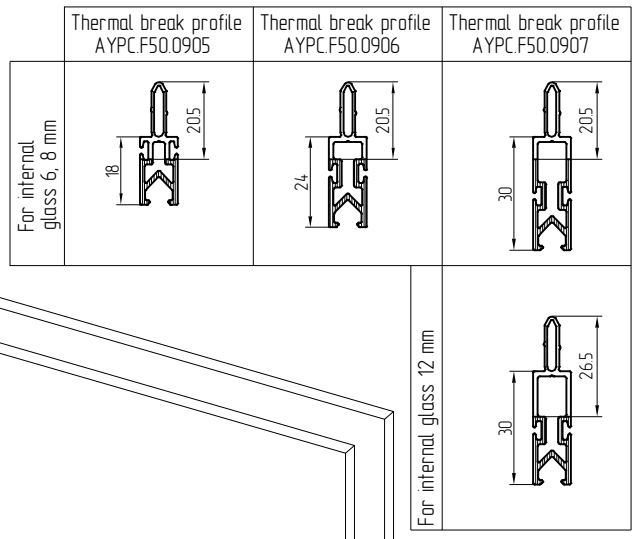
Thermal break profile AYPC.F50.0905	Thermal break profile AYPC.F50.0906	Thermal break profile AYPC.F50.0907	
			For internal glass 6, 8 mm
			For internal glass 12 mm



Thermal break profile shaping for point fastening joints

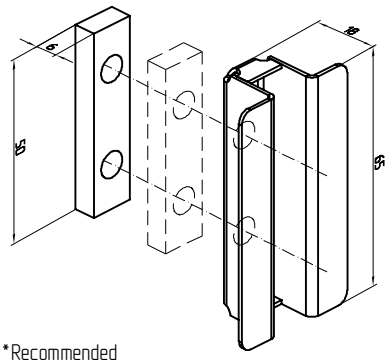


Thermal break profile AYPC.F50.0905	Thermal break profile AYPC.F50.0906	Thermal break profile AYPC.F50.0907	
			For internal glass 6, 8 mm
			For internal glass 12 mm


Thermal break profile AYPC.F50.0905
Thermal break profile AYPC.F50.0906
Thermal break profile AYPC.F50.0907
For internal glass 6, 8 mm
For internal glass 12 mm
18
24
30
205
26.5

500
250
b-3
151
239
56
115
3

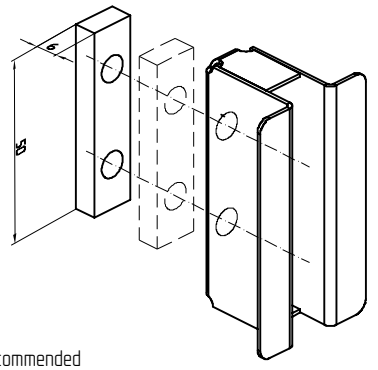
AYPC.F50.1946 safety element and support AYPC.F50.1945 are installed together (higher than 8 м*) Quantity of supports and length of self-tapping screws depend on infill unit thickness



*Recommended

Infill unit	26 mm	28 mm	32 mm	34 mm
AYPC.F50.1945	1 pcs		2 pcs	
Self-tapping screw	5.5x19 DIN 7981		5.5x25 DIN 7981	

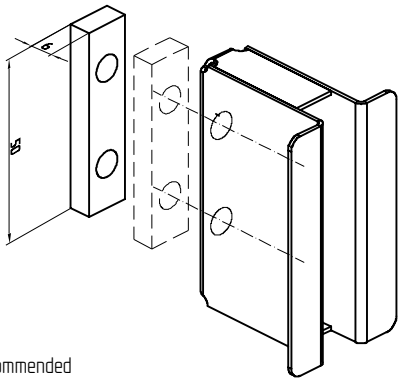
AYPC.F50.1946 safety element-01 and support AYPC.F50.1945 are installed together (higher than 8 м*) Quantity of supports and length of self-tapping screws depend on infill unit thickness



*Recommended

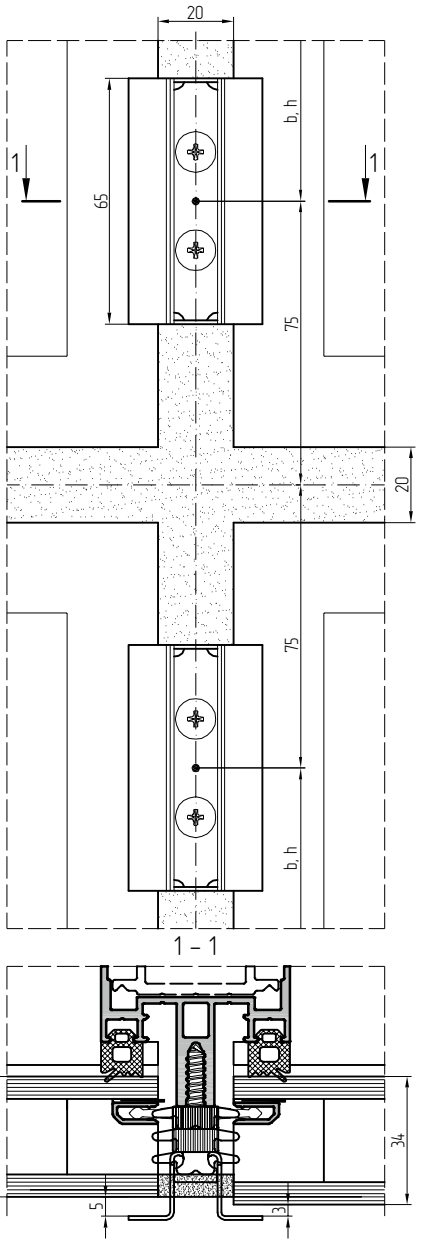
Infill unit	38 mm	40 mm	44 mm	46 mm
AYPC.F50.1945	1 pcs		2 pcs	
Self-tapping screw	5.5x19 DIN 7981		5.5x25 DIN 7981	

AYPC.F50.1946 safety element-02 and support AYPC.F50.1945 are installed together (higher than 8 м*) Quantity of supports and length of self-tapping screws depend on infill unit thickness



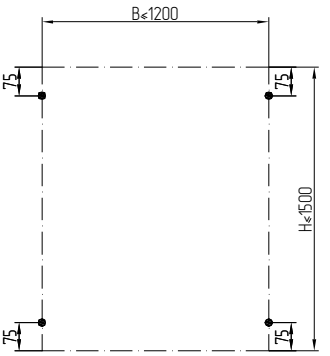
*Recommended

Infill unit	50 mm	52 mm	56 mm	58 mm
AYPC.F50.1945	1 pcs		2 pcs	
Self-tapping screw	5.5x19 DIN 7981		5.5x25 DIN 7981	

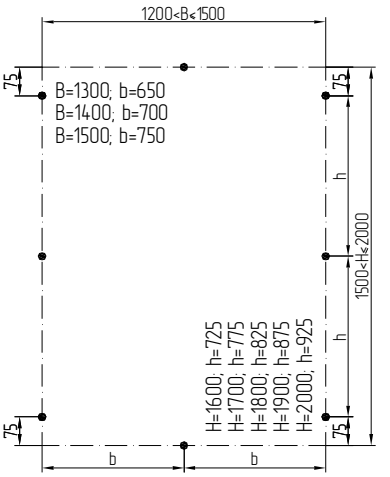


AYPC.F50.1946 safety element is used only with weatherproof seam sealant

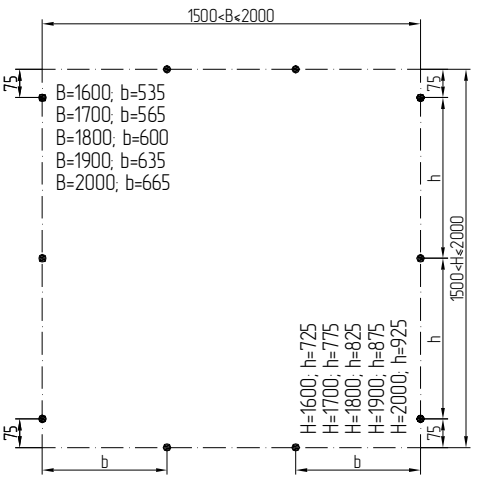
Layout of safety elements of the infill unit external glass for dimensions less than 1200x1500 mm. Dimensions from axle to axle



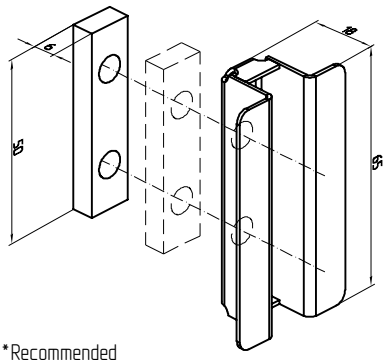
Layout of safety elements of the infill unit external glass for dimensions from 1200x1500 mm up to 1500x2000 mm. Dimensions from axle to axle



Layout of safety elements of the infill unit external glass for dimensions from 1500x2000 mm up to 2000x3000 mm. Dimensions from axle to axle



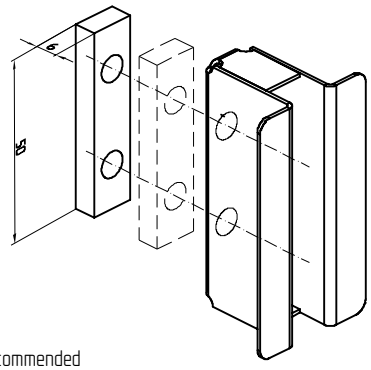
AYPC.F50.1946 safety element and support AYPC.F50.1945 are installed together (higher than 8 m*) Quantity of supports and length of self-tapping screws depend on infill unit thickness



*Recommended

Infill unit	26 mm	28 mm	32 mm	34 mm
AYPC.F50.1945	1 pcs		2 pcs	
Self-tapping screw	5.5x19 DIN 7981		5.5x25 DIN 7981	

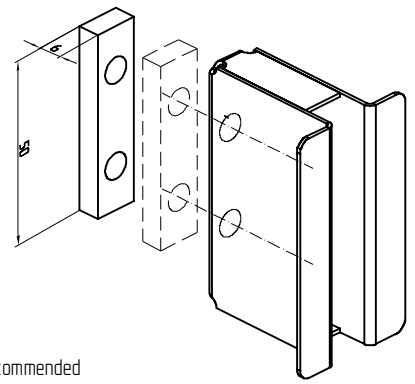
AYPC.F50.1946-01 safety element and support AYPC.F50.1945 are installed together (higher than 8 m*) Quantity of supports and length of self-tapping screws depend on infill unit thickness



*Recommended

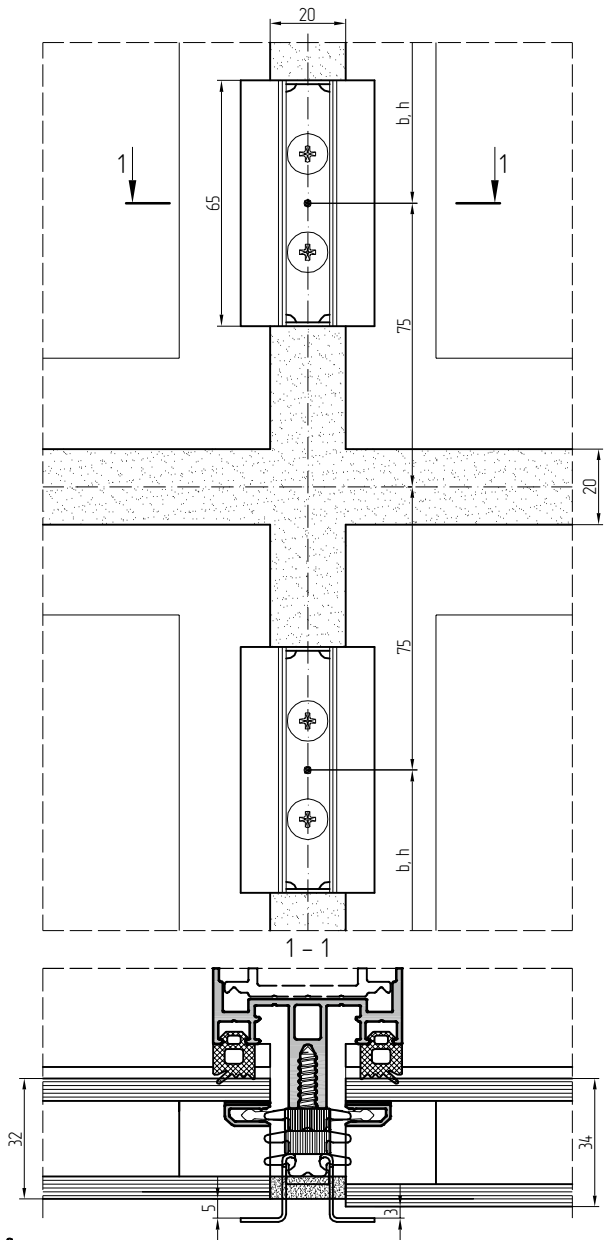
Infill unit	38 mm	40 mm	44 mm	46 mm
AYPC.F50.1945	1 pcs		2 pcs	
Self-tapping screw	5.5x19 DIN 7981		5.5x25 DIN 7981	

AYPC.F50.1946-02 safety element and support AYPC.F50.1945 are installed together (higher than 8 м*) Quantity of supports and length of self-tapping screws depend on infill unit thickness



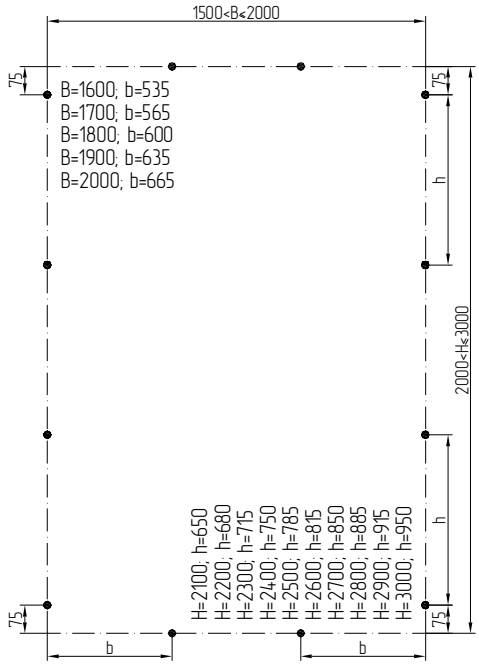
*Recommended

Infill unit	50 mm	52 mm	56 mm	58 mm
AYPC.F50.1945	1 pcs		2 pcs	
Self-tapping screw	5.5x19 DIN 7981		5.5x25 DIN 7981	

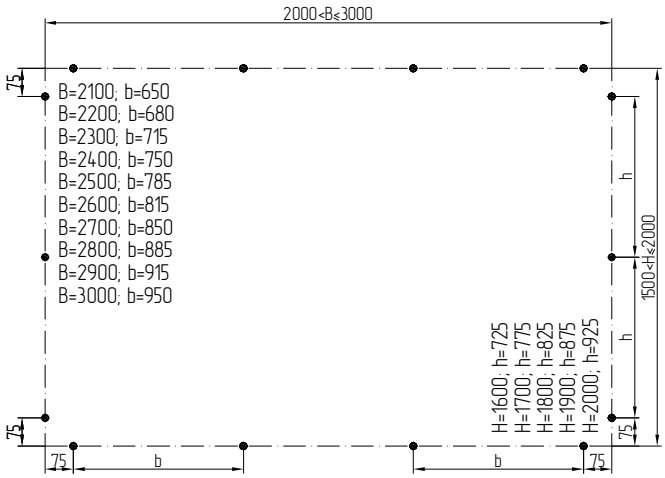


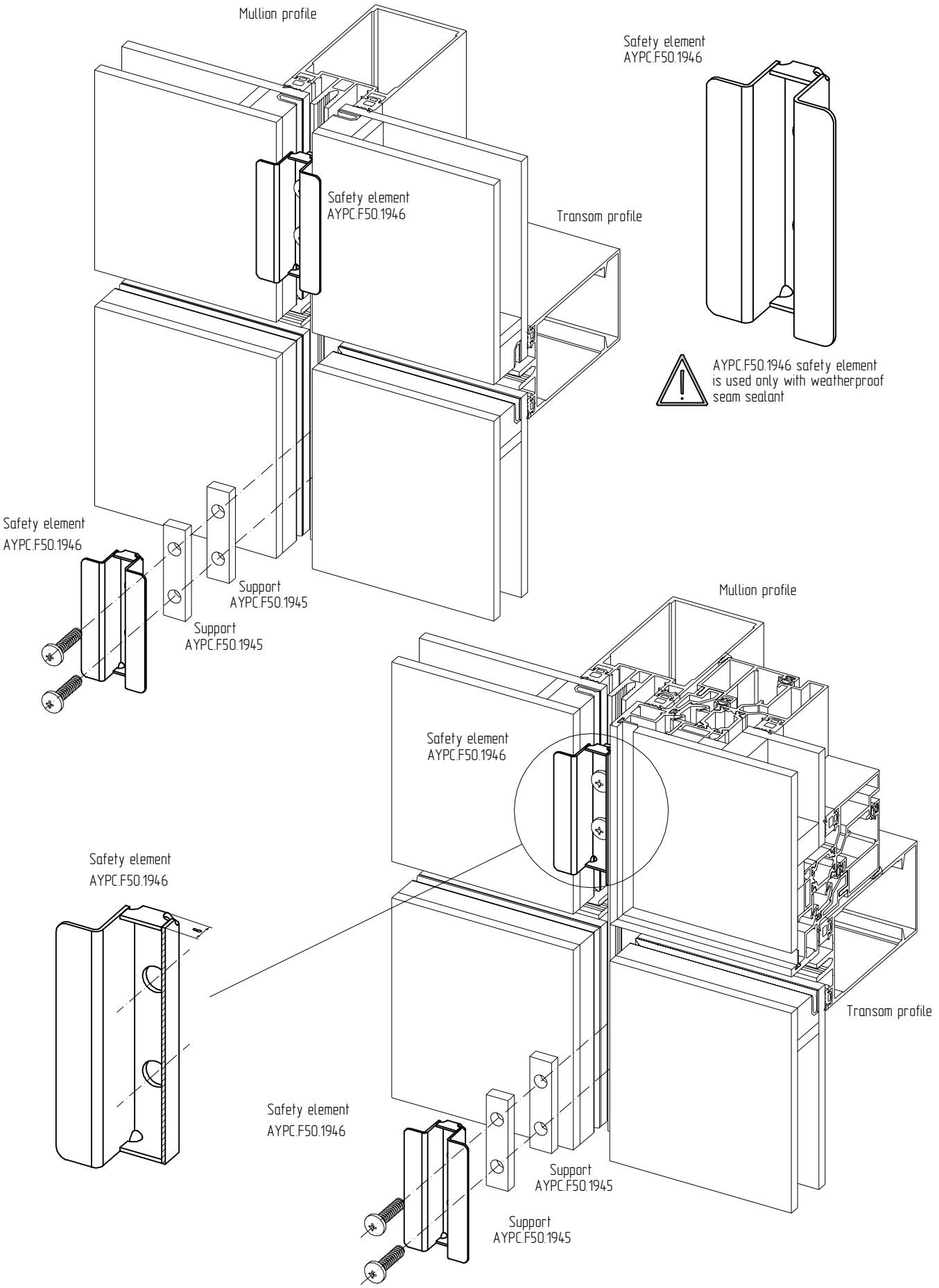
AYPC.F50.1946 safety element is used only with weatherproof sealant

Layout of safety elementsof the external glass for infill units for dimensions from 1500x2000 mm up to 2000x3000 mm. Dimensions from axle to axle

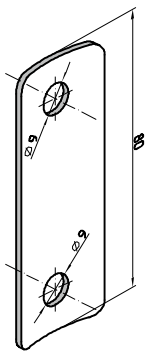


Layout of safety elementsof the external glass for infill units for dimensions from 2000x3000 mm up to 1500x2000 mm. Dimensions from axle to axle




Mullion profile
Safety element
AYPC.F50.1946
Transom profile
Safety element
AYPC.F50.1946
AYPC.F50.1946 safety element
is used only with weatherproof
seam sealant
Safety element
AYPC.F50.1946
Support
AYPC.F50.1945
Support
AYPC.F50.1945
Mullion profile
Safety element
AYPC.F50.1946
Safety element
AYPC.F50.1946
Transom profile
Safety element
AYPC.F50.1946
Support
AYPC.F50.1945
Support
AYPC.F50.1945

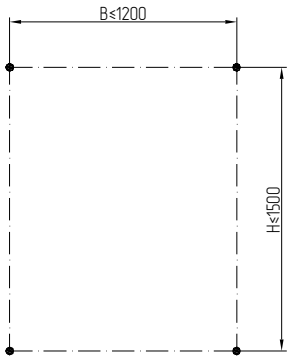
safety element AYPC.F50.1948 is installed (higher than 8 m*), onto the seam sealants FRK47, FRK48 and fastened by self-tapping screws. Screws' length depend on the infill unit thickness



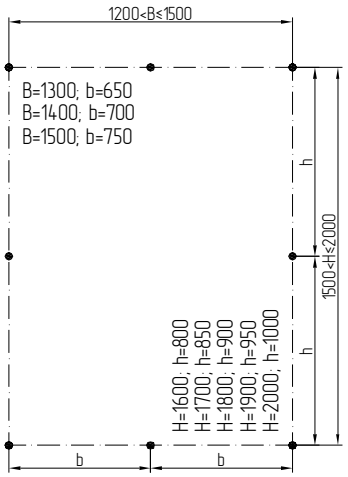
(*Recommended)

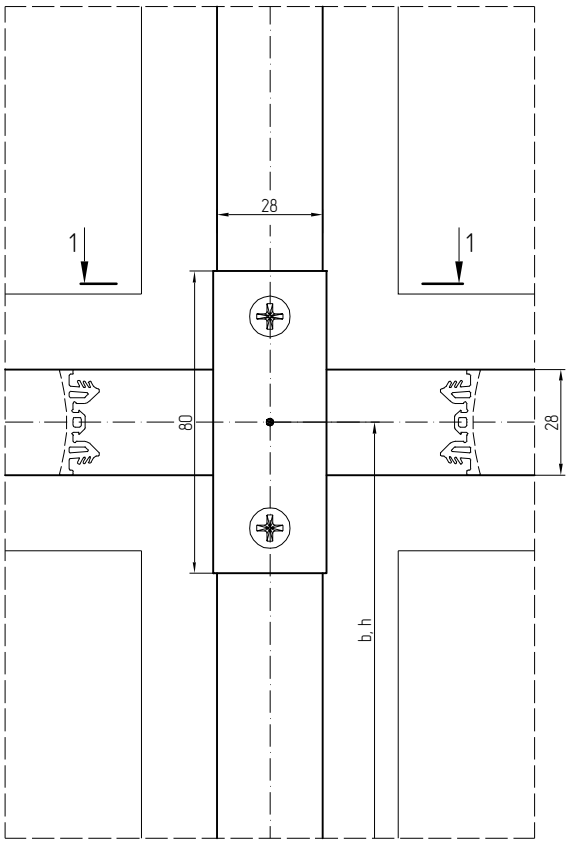
Infill unit	26 mm	32 mm	38 mm
2 crews DIN 7982	5.5x38	5.5x45	5.5x50

Layout of safety elements of the infill units external glass for dimensions less than 1200x1500 mm. Dimensions from axle to axle

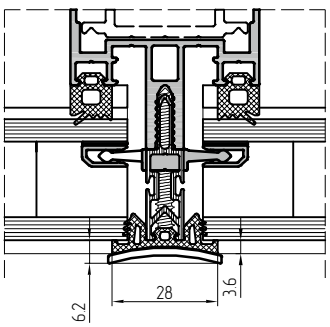


Layout of safety elements of the infill units external glass for dimensions from 1200x1500 mm up to 1500x2000 mm. Dimensions from axle to axle



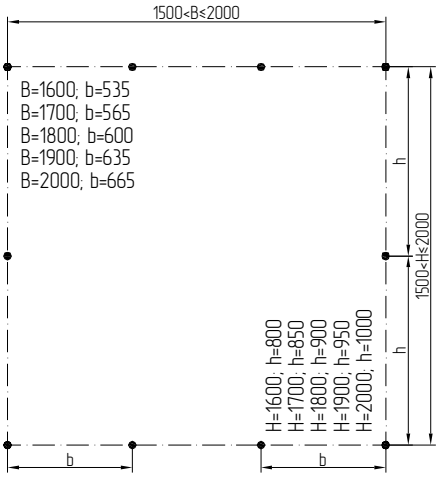


1 – 1

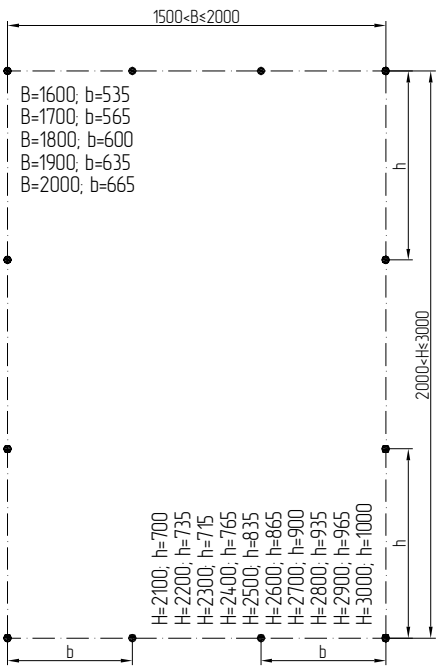


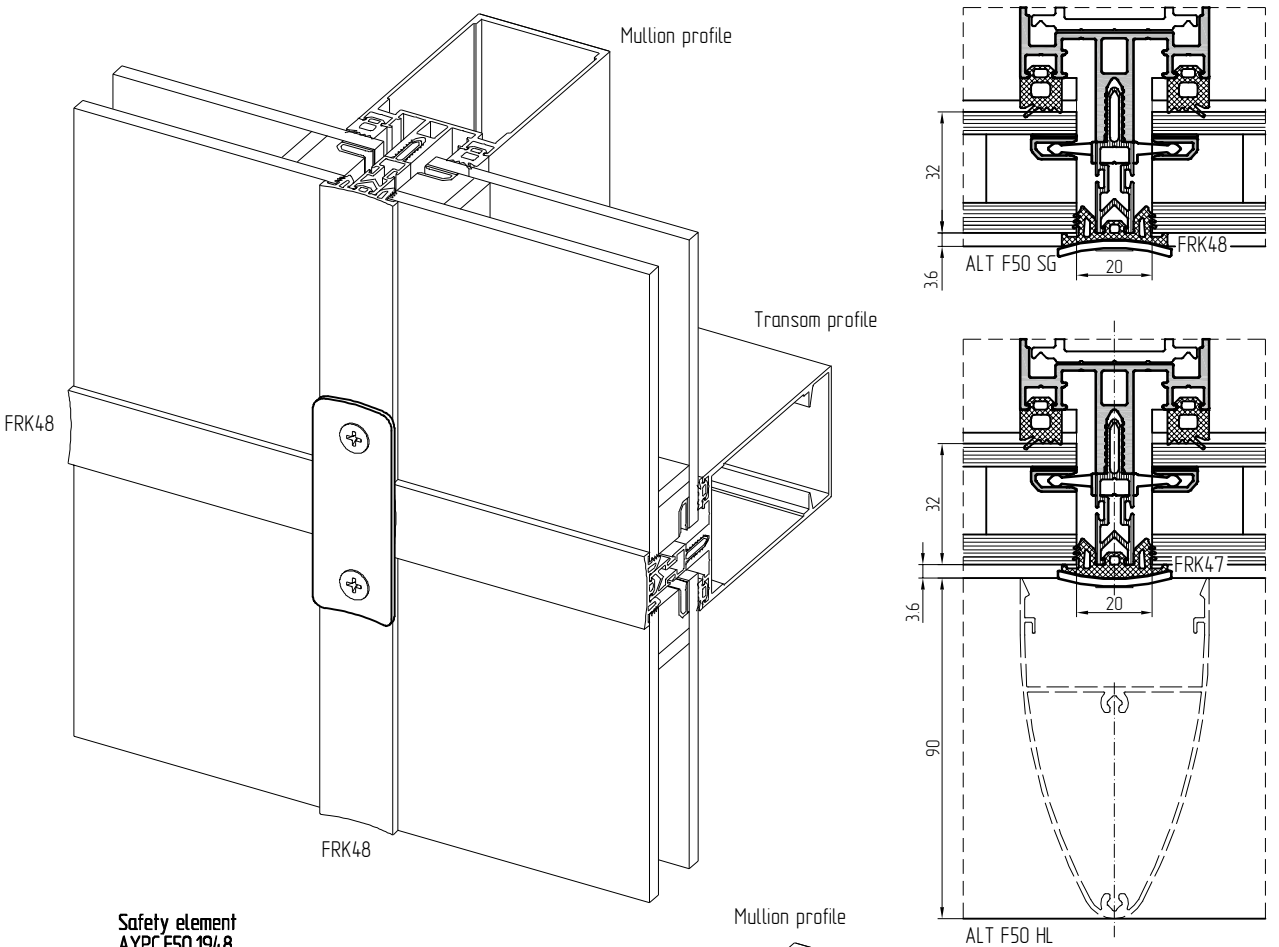
AYPC.F50.1948 safety element is used only with seam sealant FRK47, FRK48

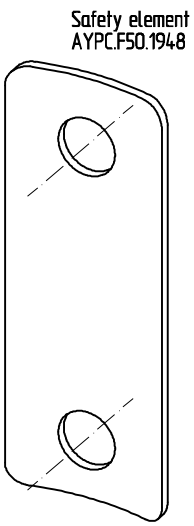
Layout of safety elements of the infill unit external glass for dimensions from 1200x1500 mm up to 1500x2000 mm. Dimensions from axle to axle

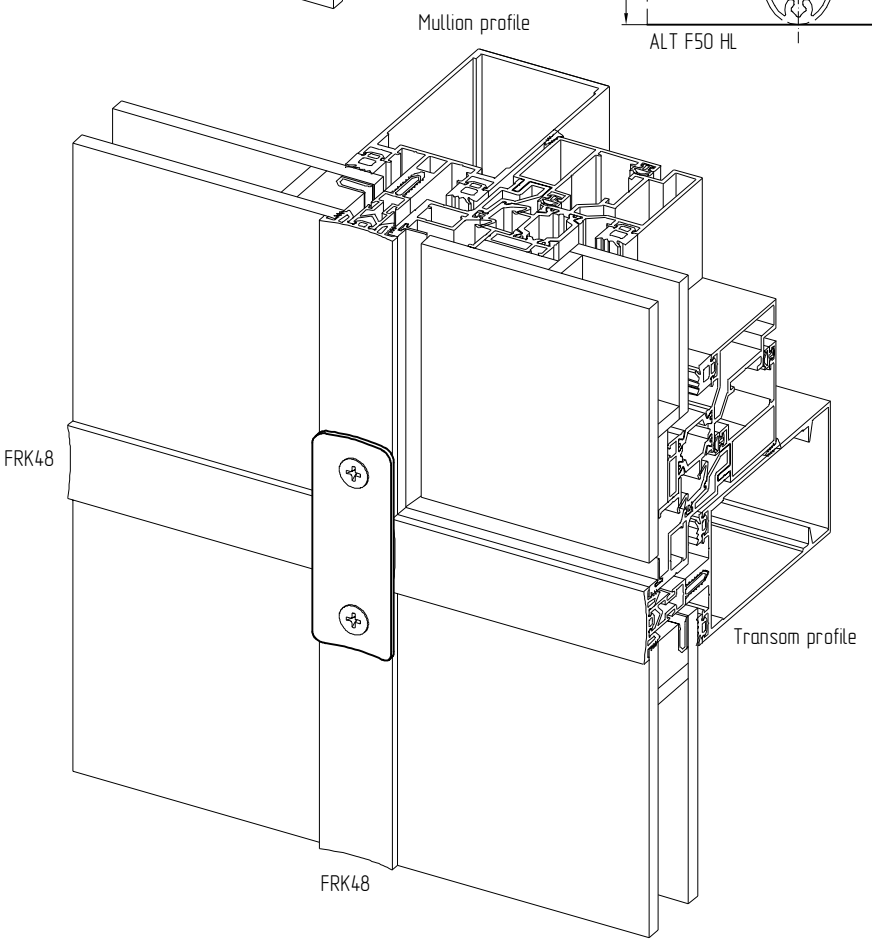


Layout of safety elements of the infill unit external glass for dimensions from 1500x2000 mm up to 2000x3000 mm. Dimensions from axle to axle







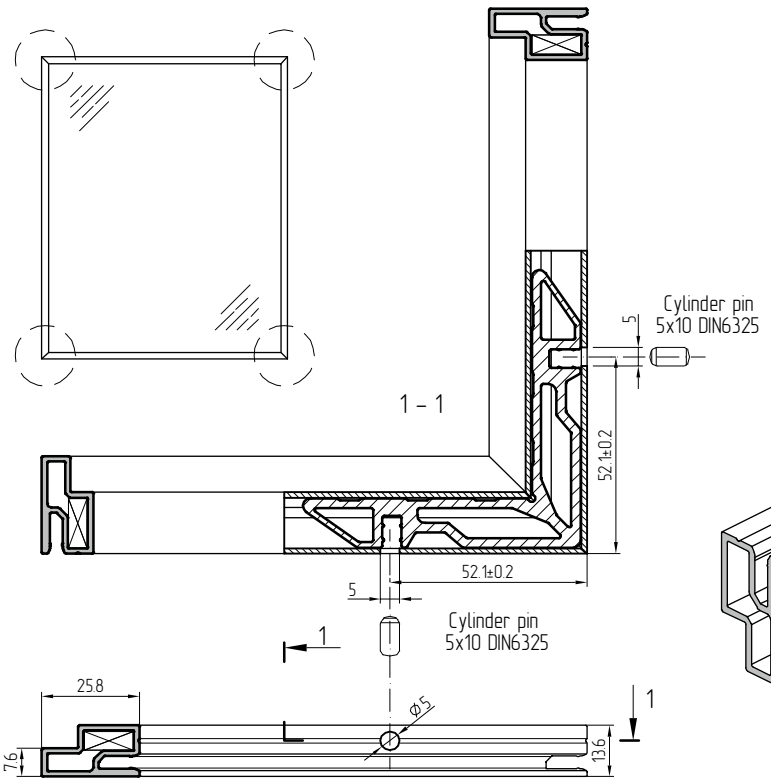


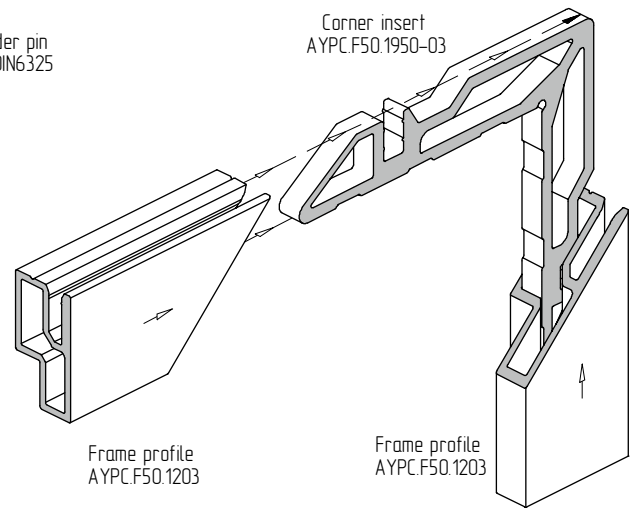
AYPC.F50.1948 safety element is used only with seam sealant FRK47, FRK48

Profiles processing

Article	Corner insert	Section	Dimensions, mm
AYPC.C480702	AYPC.F50.1950-03		5.0

Before mounting an insert corner put adhesive into a profile chamber

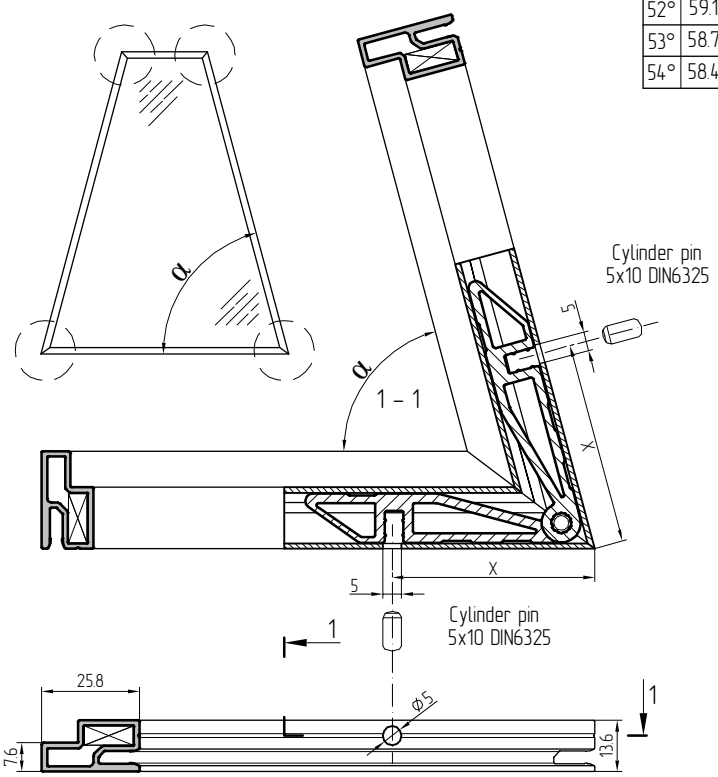


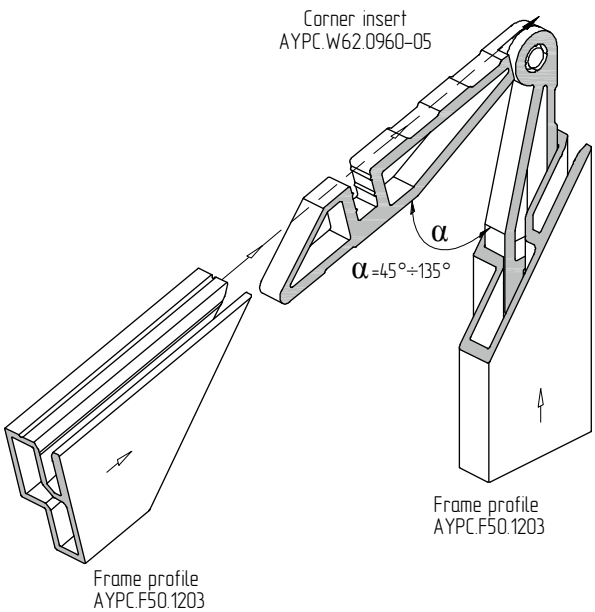


Article	Corner insert	Section	Dimensions, mm
AYPC.C480707	AYPC.W62.0960-05		5.0

Before mounting an insert corner put adhesive into a profile chamber

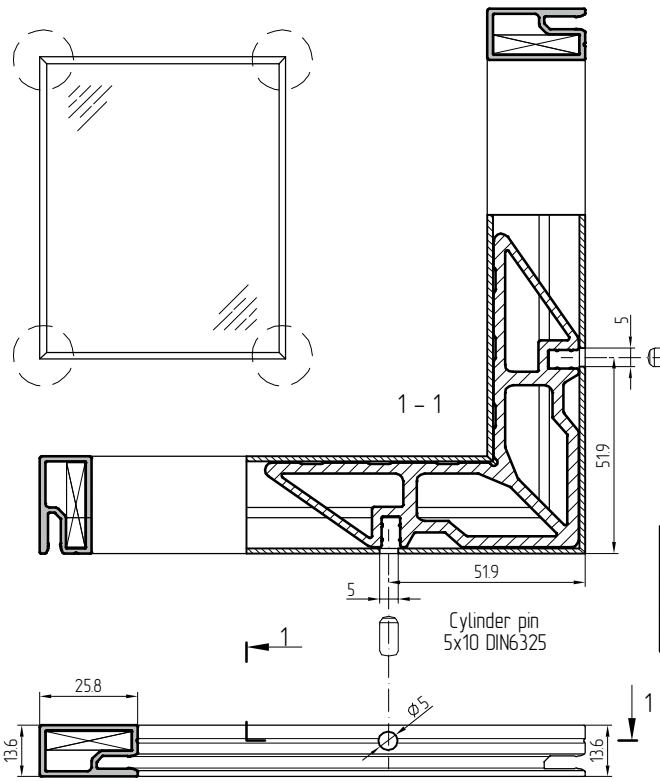
α	x	α	x	α	x	α	x	α	x	α	x	α	x	α	x	α	x
45°	61.6	55°	58.1	65°	55.7	75°	53.8	85°	52.3	95°	51.1	105°	50.1	115°	49.2	125°	48.3
46°	61.2	56°	57.9	66°	55.5	76°	53.7	86°	52.2	96°	51.0	106°	50.0	116°	49.1	126°	48.3
47°	60.8	57°	57.6	67°	55.3	77°	53.5	87°	52.1	97°	50.9	107°	49.9	117°	49.0	127°	48.2
48°	60.4	58°	57.3	68°	55.1	78°	53.3	88°	51.9	98°	50.8	108°	49.8	118°	48.9	128°	48.1
49°	60.1	59°	57.1	69°	54.9	79°	53.2	89°	51.8	99°	50.7	109°	49.7	119°	48.8	129°	48.0
50°	59.7	60°	56.8	70°	54.7	80°	53.0	90°	51.7	100°	50.6	110°	49.6	120°	48.7	130°	48.0
51°	59.4	61°	56.6	71°	54.5	81°	52.9	91°	51.6	101°	50.5	111°	49.5	121°	48.7	131°	47.9
52°	59.1	62°	56.3	72°	54.3	82°	52.8	92°	51.5	102°	50.4	112°	49.4	122°	48.6	132°	47.8
53°	58.7	63°	56.1	73°	54.2	83°	52.6	93°	51.3	103°	50.3	113°	49.3	123°	48.5	133°	47.7
54°	58.4	64°	55.9	74°	54.0	84°	52.5	94°	51.2	104°	50.2	114°	49.2	124°	48.4	134°	47.7
																135°	47.6

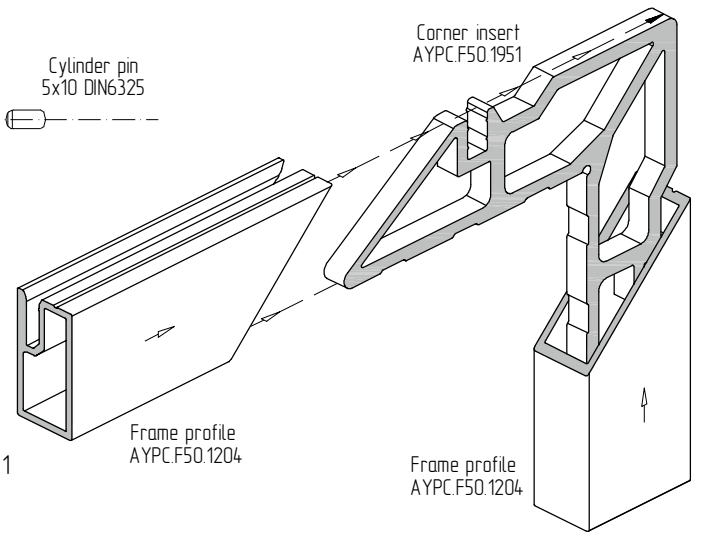




Article AYPC.C48.0703	Corner insert	Section	Dimensions, mm
	AYPC.F50.1951		5.0

Before mounting an insert corner put adhesive into a profile chamber

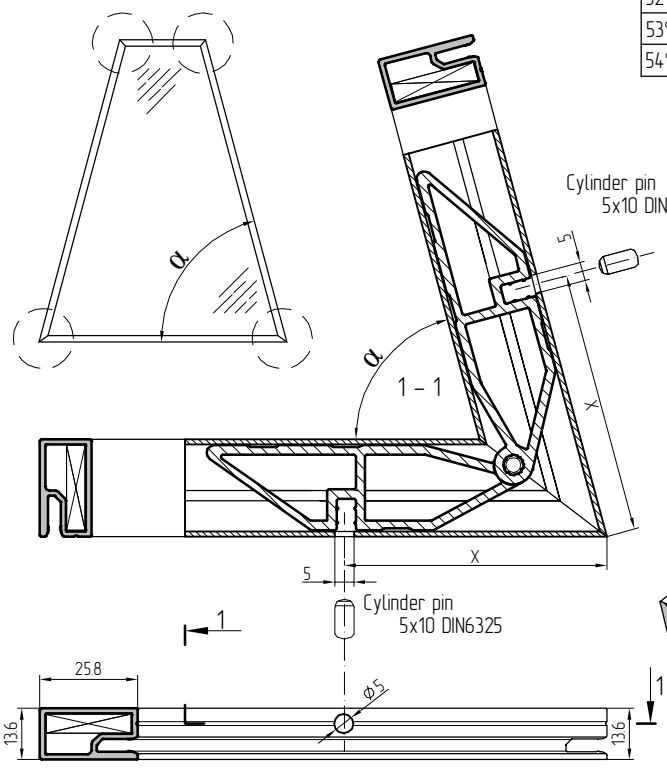


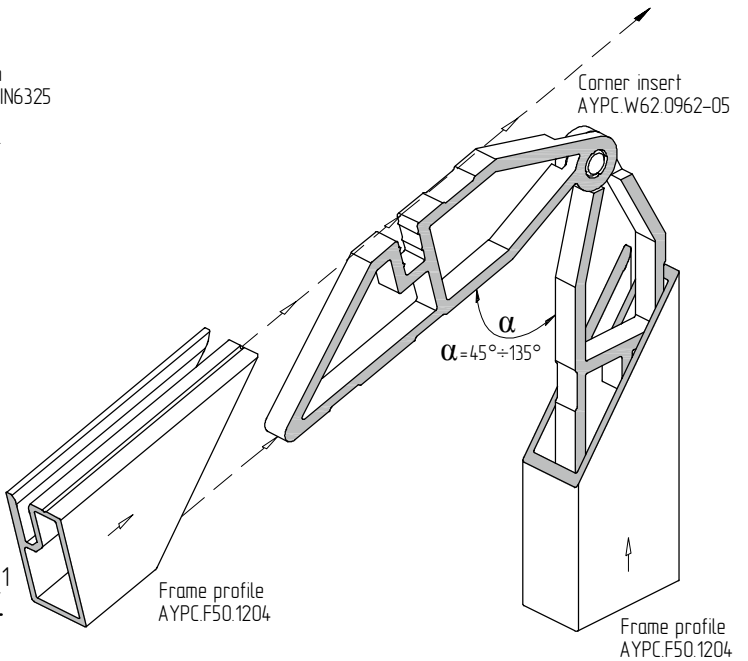


Article AYPC.C48.0708	Corner insert	Section	Dimensions, mm
	AYPC.W62.0962-05		5.0

Before mounting an insert corner put adhesive into a profile chamber

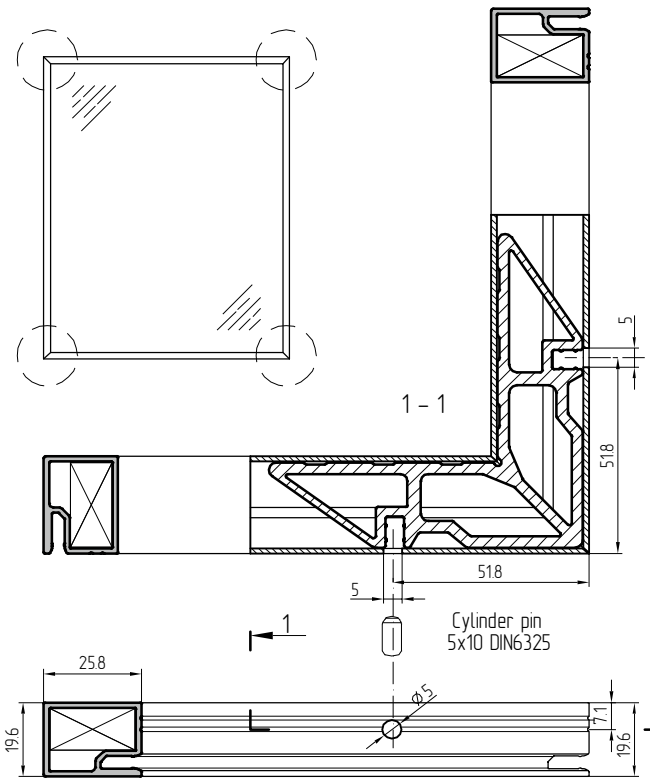
α	x	α	x	α	x	α	x	α	x	α	x	α	x	α	x	α	x
45°	91.1	55°	81.6	65°	74.8	75°	69.7	85°	65.7	95°	62.3	105°	59.4	115°	56.9	125°	54.7
46°	89.9	56°	80.8	66°	74.3	76°	69.3	86°	65.3	96°	62.0	106°	59.2	116°	56.7	126°	54.5
47°	88.9	57°	80.1	67°	73.7	77°	68.8	87°	64.9	97°	61.7	107°	58.9	117°	56.5	127°	54.3
48°	87.8	58°	79.3	68°	73.2	78°	68.4	88°	64.6	98°	61.4	108°	58.6	118°	56.2	128°	54.1
49°	86.8	59°	78.6	69°	72.6	79°	68.0	89°	64.2	99°	61.1	109°	58.4	119°	56.0	129°	53.9
50°	85.9	60°	78.0	70°	72.1	80°	67.6	90°	63.9	100°	60.8	110°	58.1	120°	55.8	130°	53.7
51°	85.0	61°	77.3	71°	71.6	81°	67.2	91°	63.6	101°	60.5	111°	57.9	121°	55.6	131°	53.4
52°	84.1	62°	76.7	72°	71.1	82°	66.8	92°	63.2	102°	60.2	112°	57.7	122°	55.3	132°	53.2
53°	83.2	63°	76.0	73°	70.6	83°	66.4	93°	62.9	103°	60.0	113°	57.4	123°	55.1	133°	53.0
54°	82.4	64°	75.4	74°	70.2	84°	66.0	94°	62.6	104°	59.7	114°	57.2	124°	54.9	134°	52.8
																135°	52.7

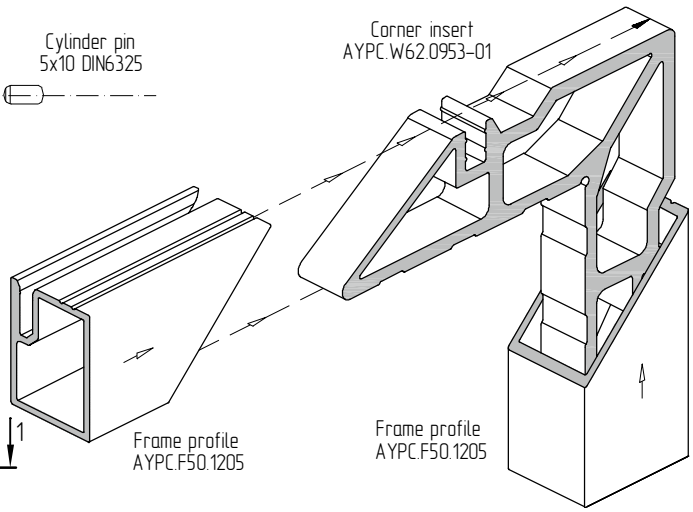




Article	Corner insert	Section	Dimensions, mm
AYPC.C48.0703	AYPC.W62.0953-01		11.0

Before mounting an insert corner put adhesive into a profile chamber

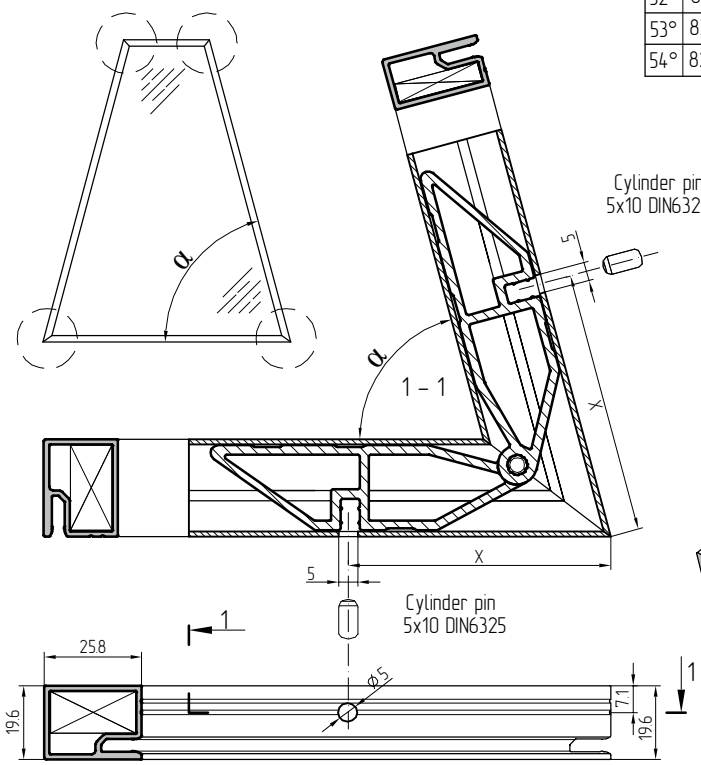


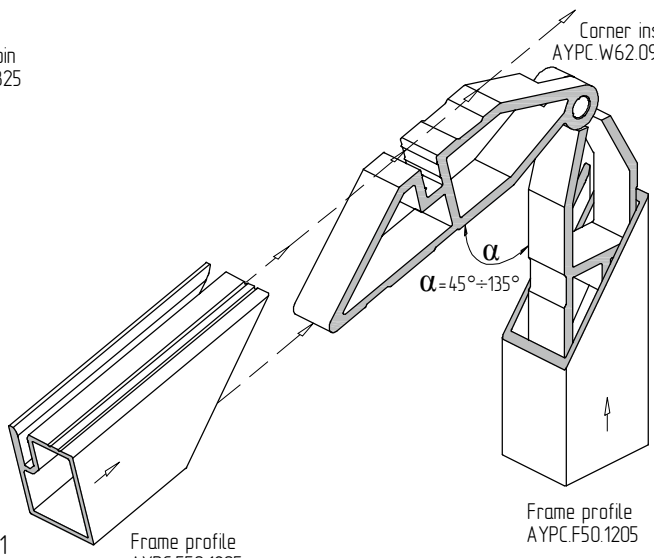


Article	Corner insert	Section	Dimensions, mm
AYPC.C48.0708	AYPC.W62.0962-01		11.0

Before mounting an insert corner put adhesive into a profile chamber

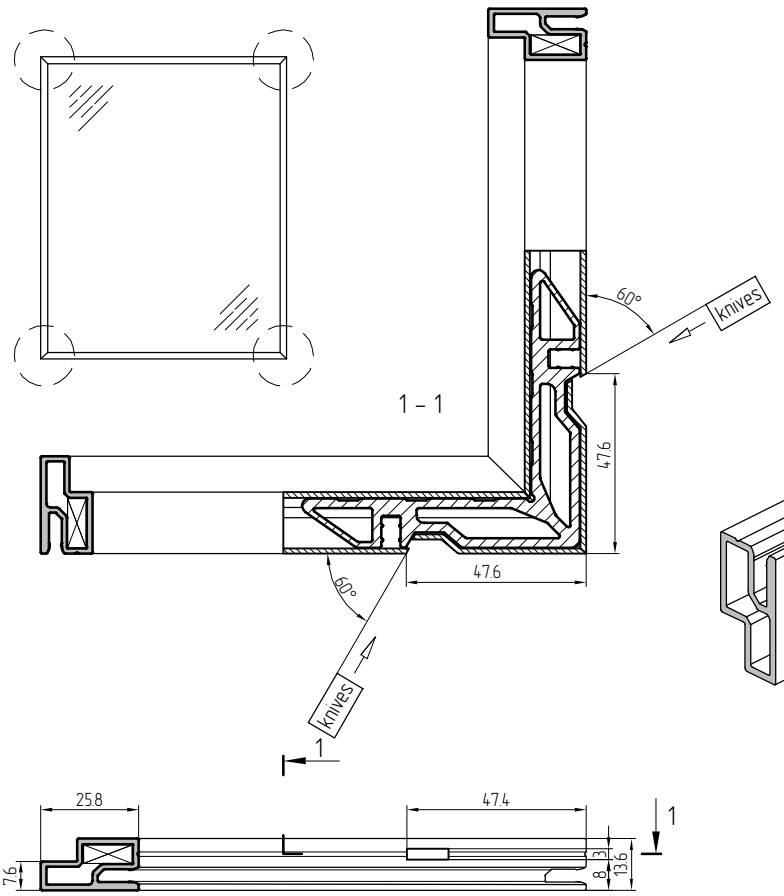
α	x	α	x	α	x	α	x	α	x	α	x	α	x	α	x	α	x
45°	91.1	55°	81.6	65°	74.8	75°	69.7	85°	65.7	95°	62.3	105°	59.4	115°	56.9	125°	54.7
46°	89.9	56°	80.8	66°	74.3	76°	69.3	86°	65.3	96°	62.0	106°	59.2	116°	56.7	126°	54.5
47°	88.9	57°	80.1	67°	73.7	77°	68.8	87°	64.9	97°	61.7	107°	58.9	117°	56.5	127°	54.3
48°	87.8	58°	79.3	68°	73.2	78°	68.4	88°	64.6	98°	61.4	108°	58.6	118°	56.2	128°	54.1
49°	86.8	59°	78.6	69°	72.6	79°	68.0	89°	64.2	99°	61.1	109°	58.4	119°	56.0	129°	53.9
50°	85.9	60°	78.0	70°	72.1	80°	67.6	90°	63.9	100°	60.8	110°	58.1	120°	55.8	130°	53.7
51°	85.0	61°	77.3	71°	71.6	81°	67.2	91°	63.6	101°	60.5	111°	57.9	121°	55.6	131°	53.4
52°	84.1	62°	76.7	72°	71.1	82°	66.8	92°	63.2	102°	60.2	112°	57.7	122°	55.3	132°	53.2
53°	83.2	63°	76.0	73°	70.6	83°	66.4	93°	62.9	103°	60.0	113°	57.4	123°	55.1	133°	53.0
54°	82.4	64°	75.4	74°	70.2	84°	66.0	94°	62.6	104°	59.7	114°	57.2	124°	54.9	134°	52.8
																135°	52.7

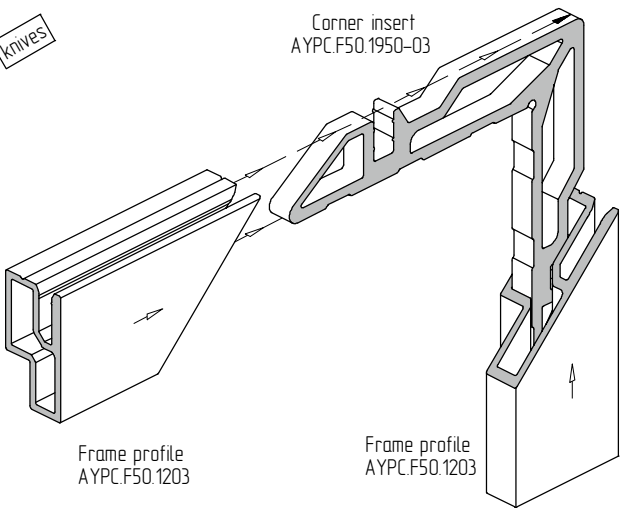




	Corner insert	Section	Dimensions, mm
Article AYPC.C48.0702	AYPC.F50.1950-03		5.0

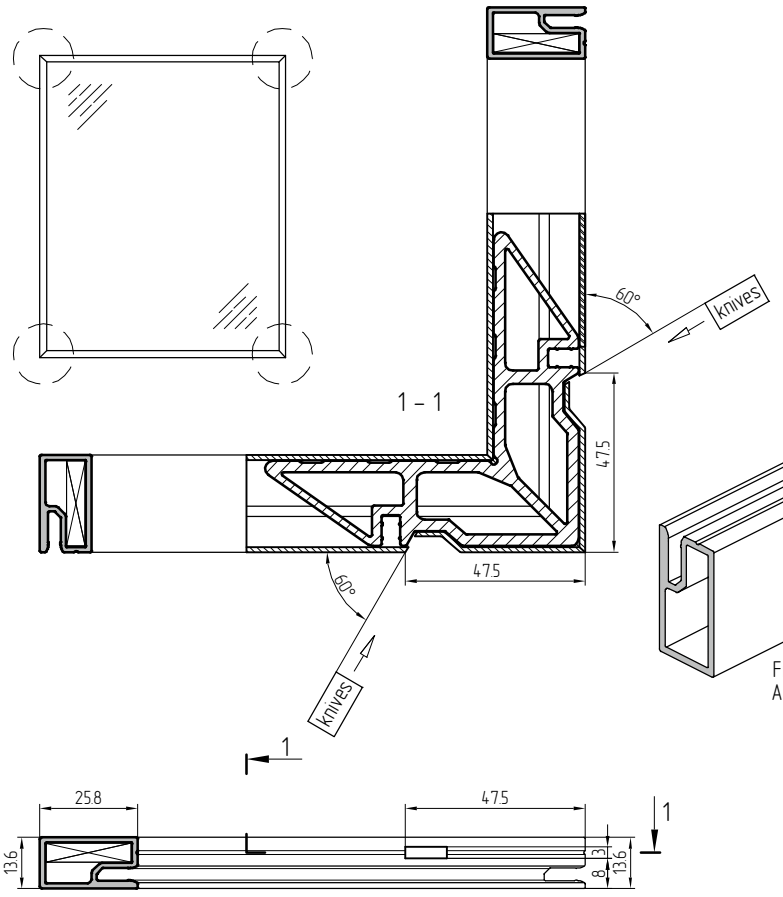
Before mounting an insert corner put adhesive into a profile chamber

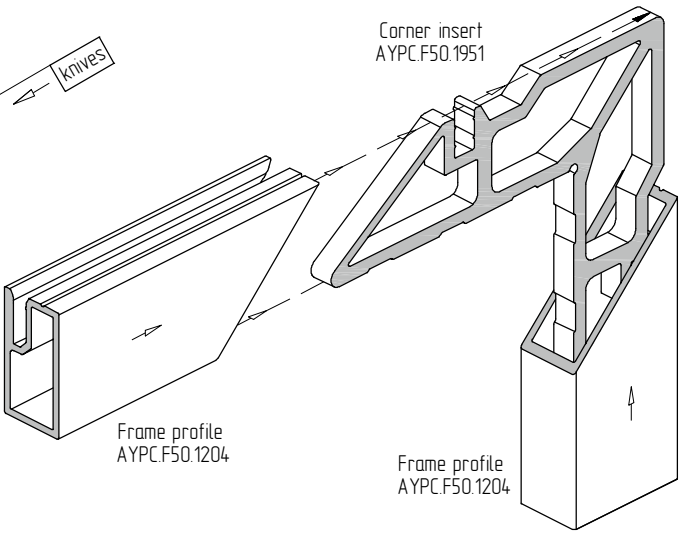




	Corner insert	Section	Dimensions, mm
Article AYPC.C48.0703	AYPC.F50.1951		5.0

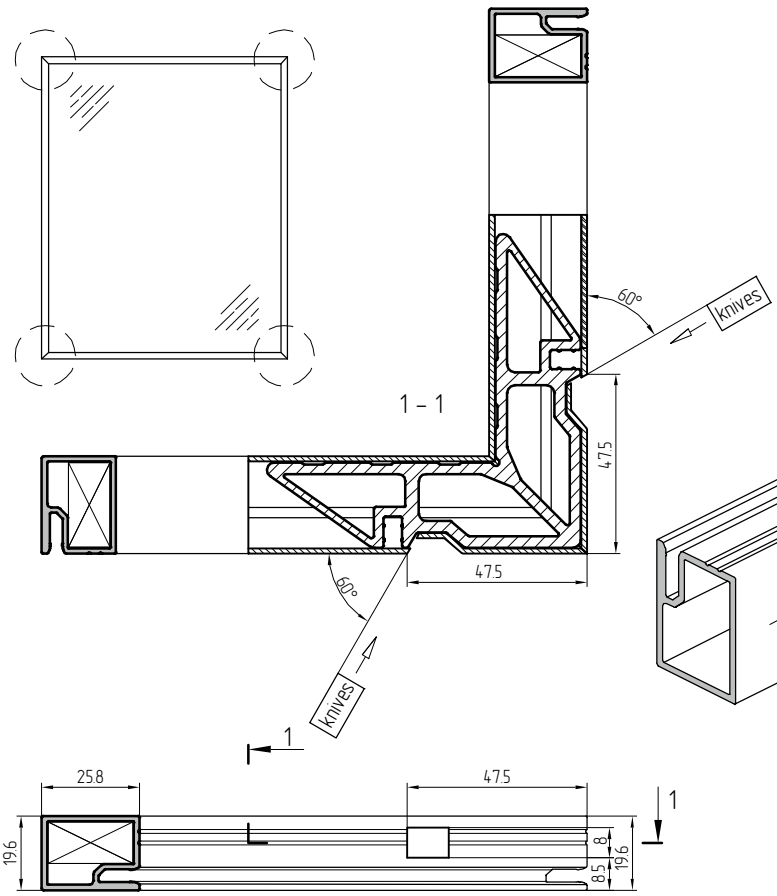
Before mounting an insert corner put adhesive into a profile chamber

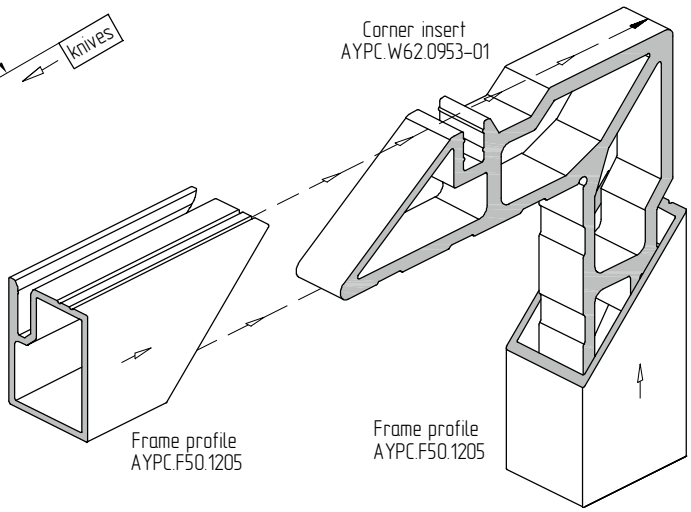


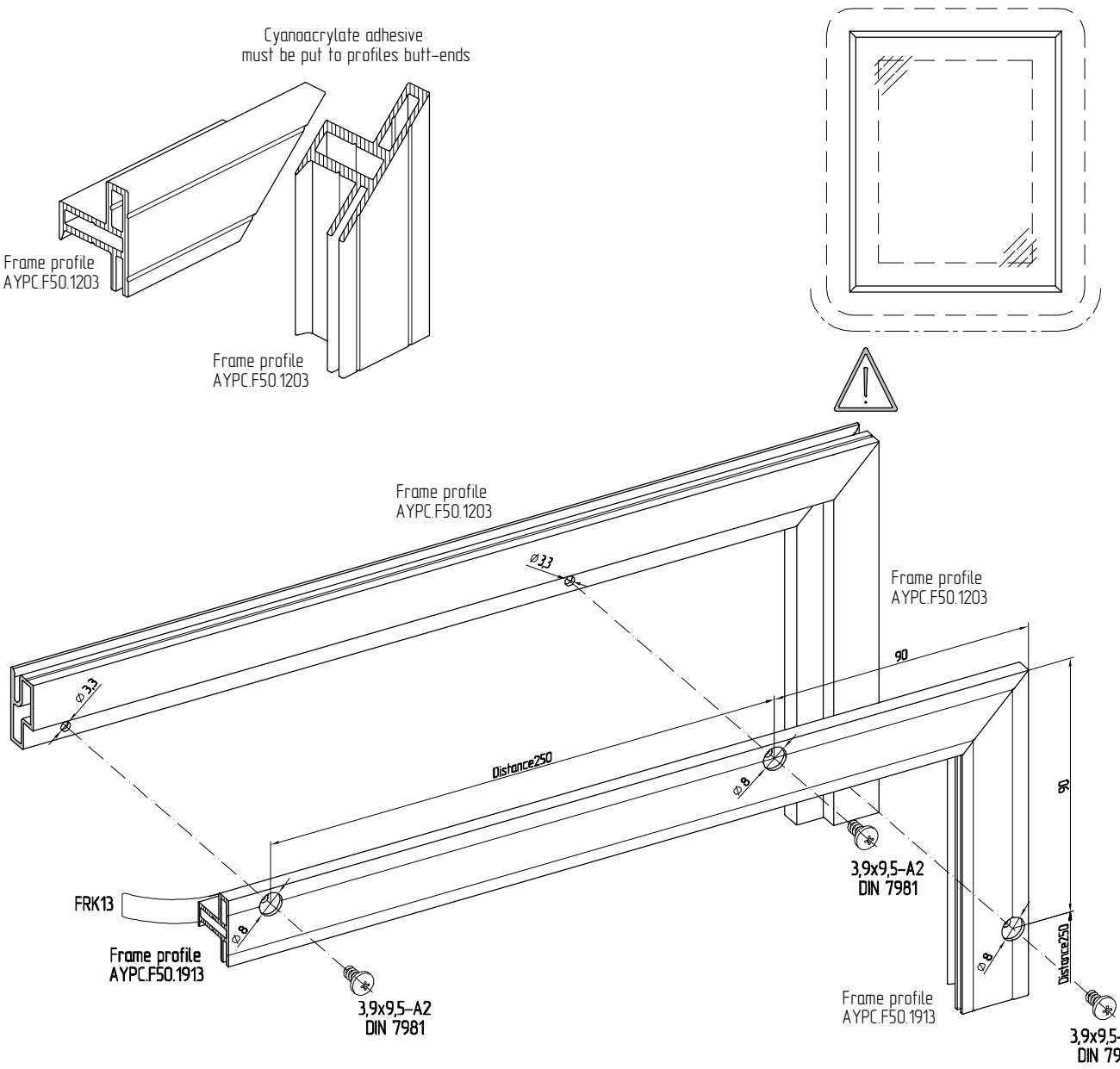


Article	Corner insert	Section	Dimensions, mm
AYPC.C48.0703	AYPC.W62.0953-01		11.0

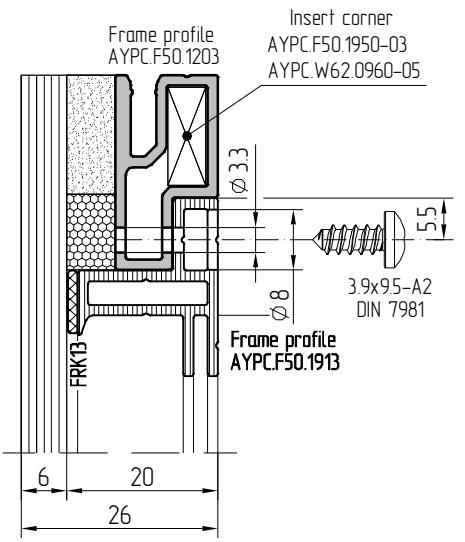
Before mounting an insert corner put adhesive into a profile chamber



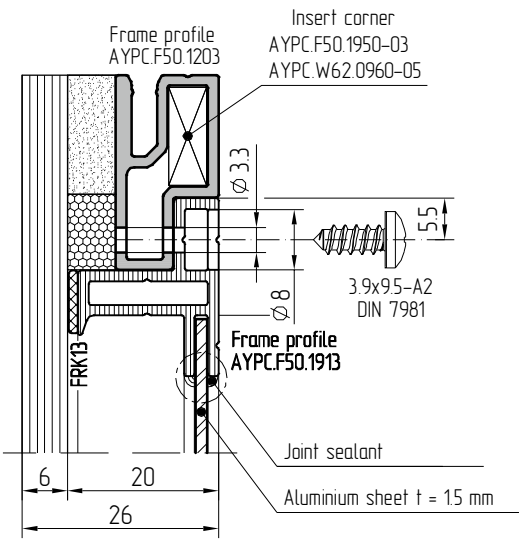


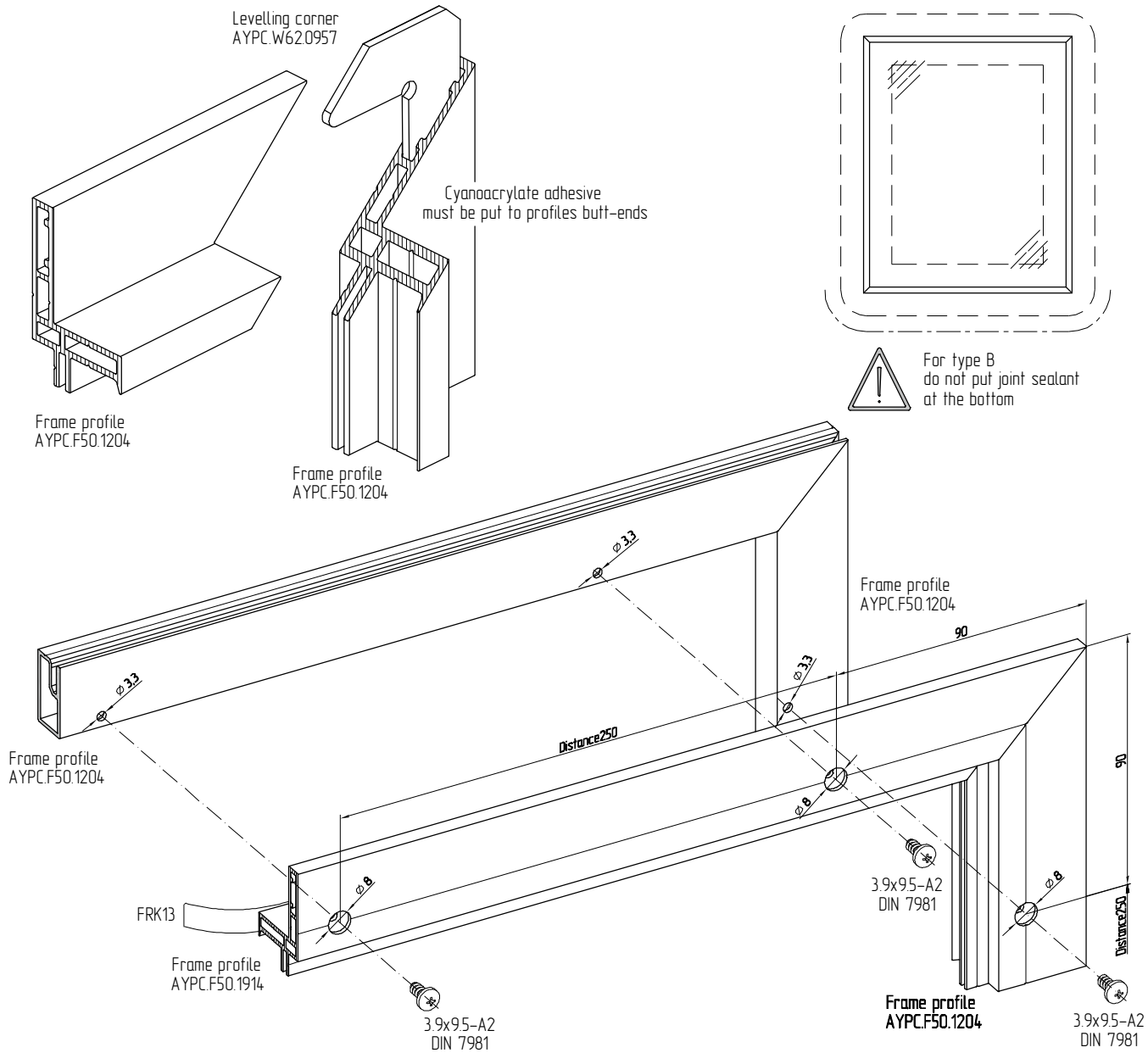


Type A	Glass on the frame, for non-transparent part

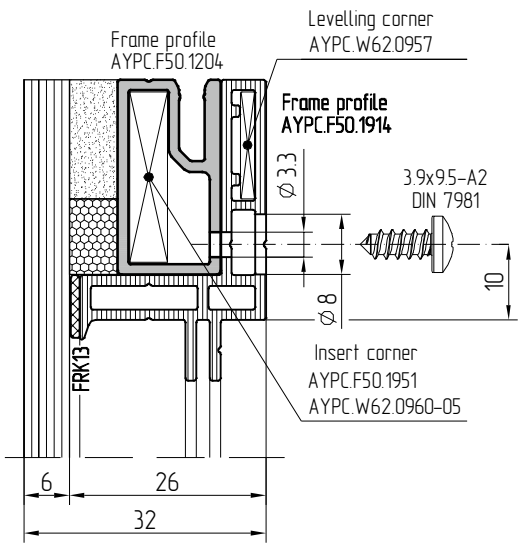


Type B	Glass on the frame for non-transparent part with aluminium sheet

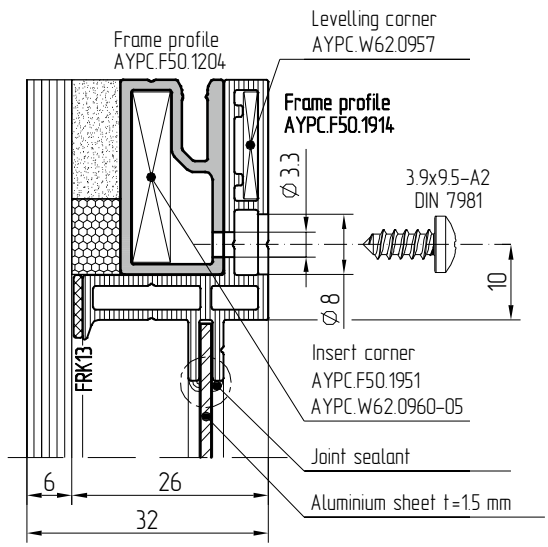


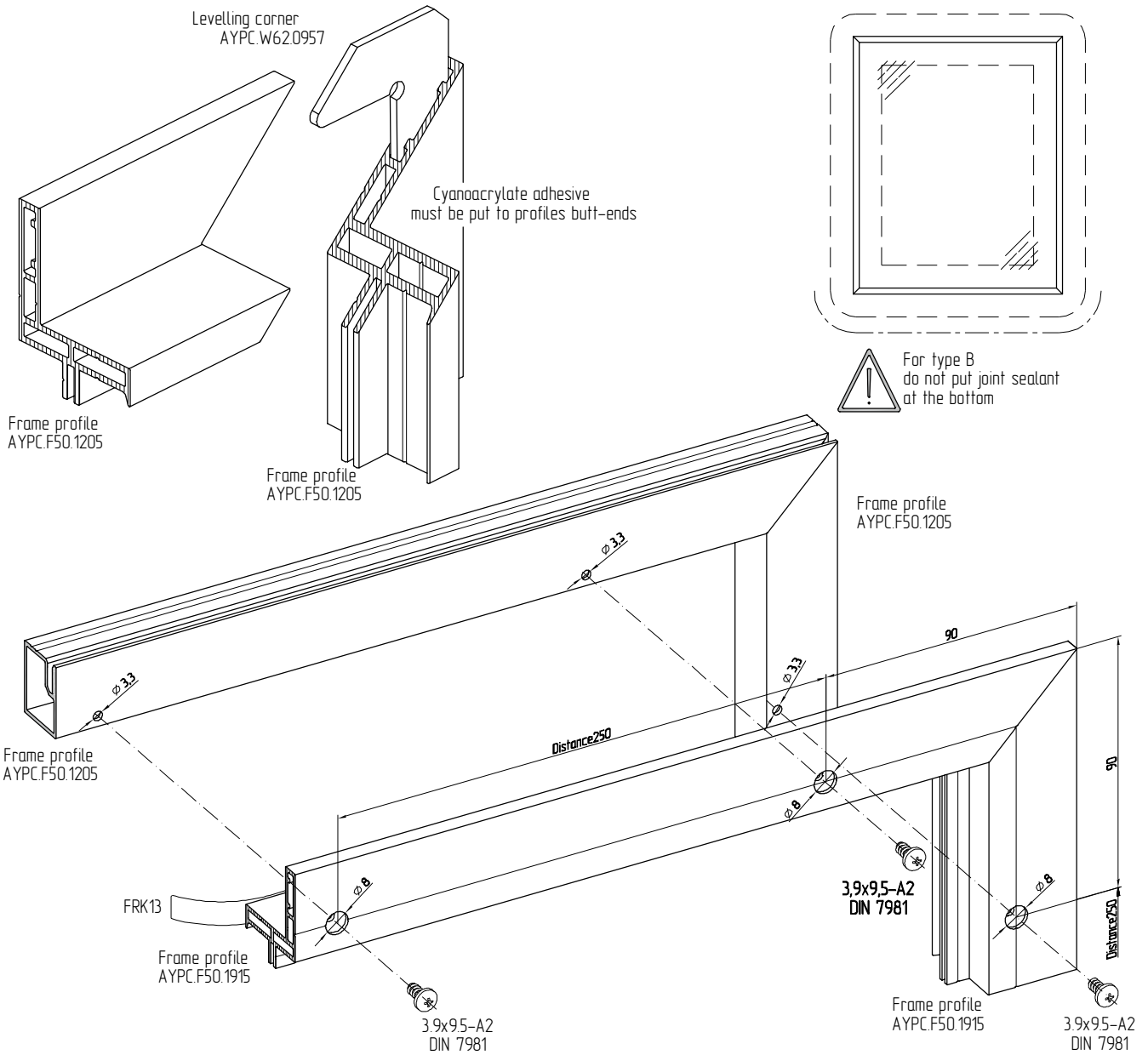


Type A	Glass on the frame, for non-transparent part

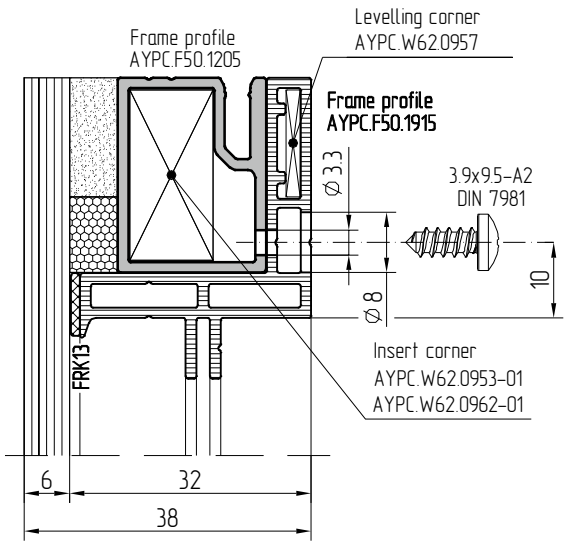


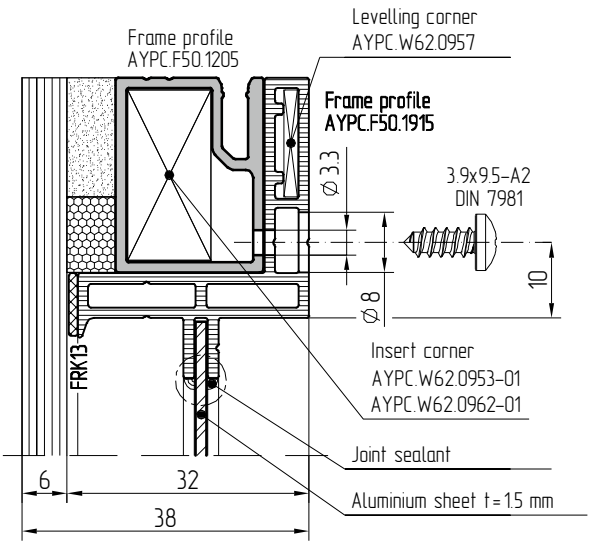
Type B	Glass on the frame, for non-transparent part with al. sheet

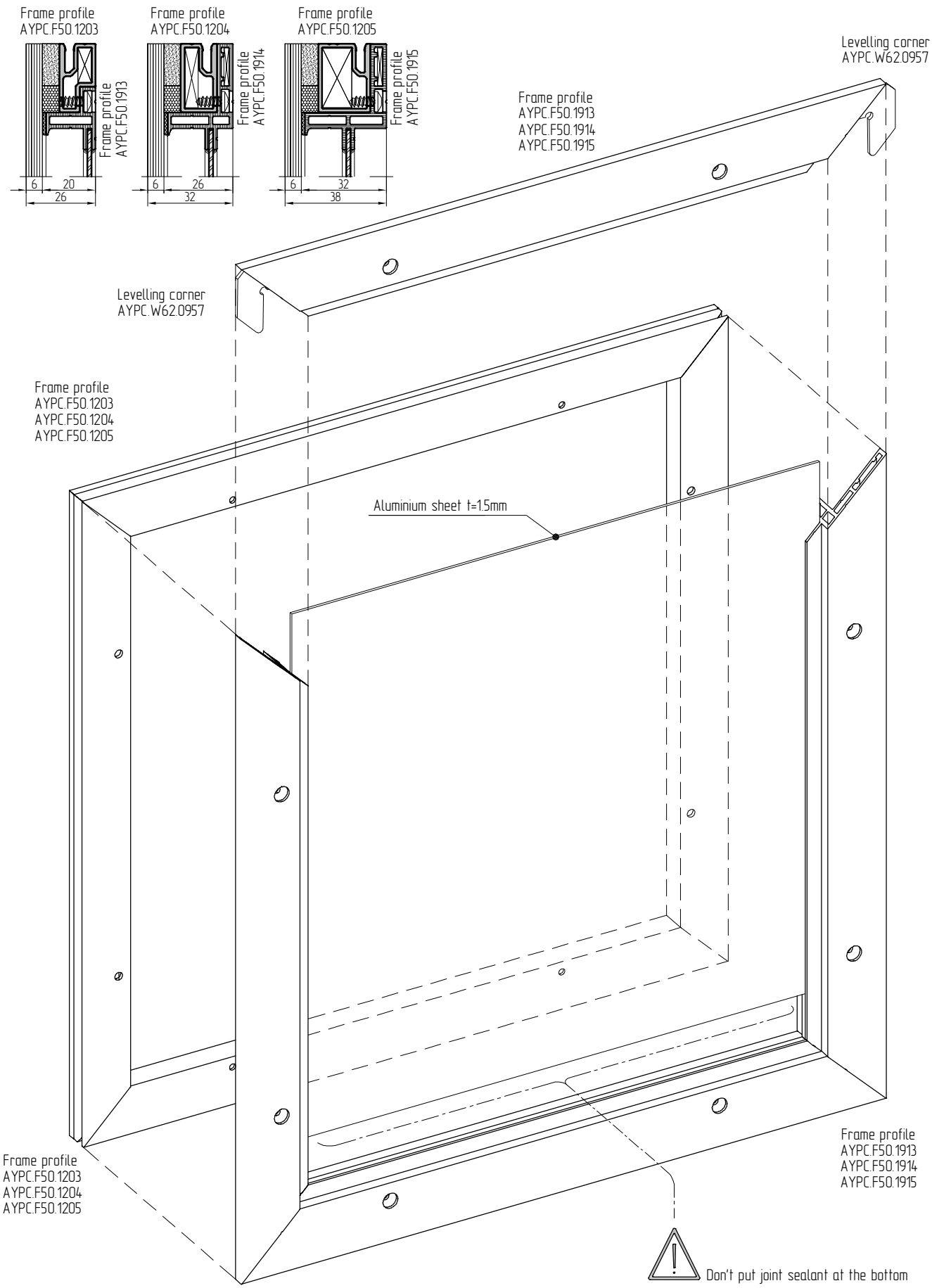




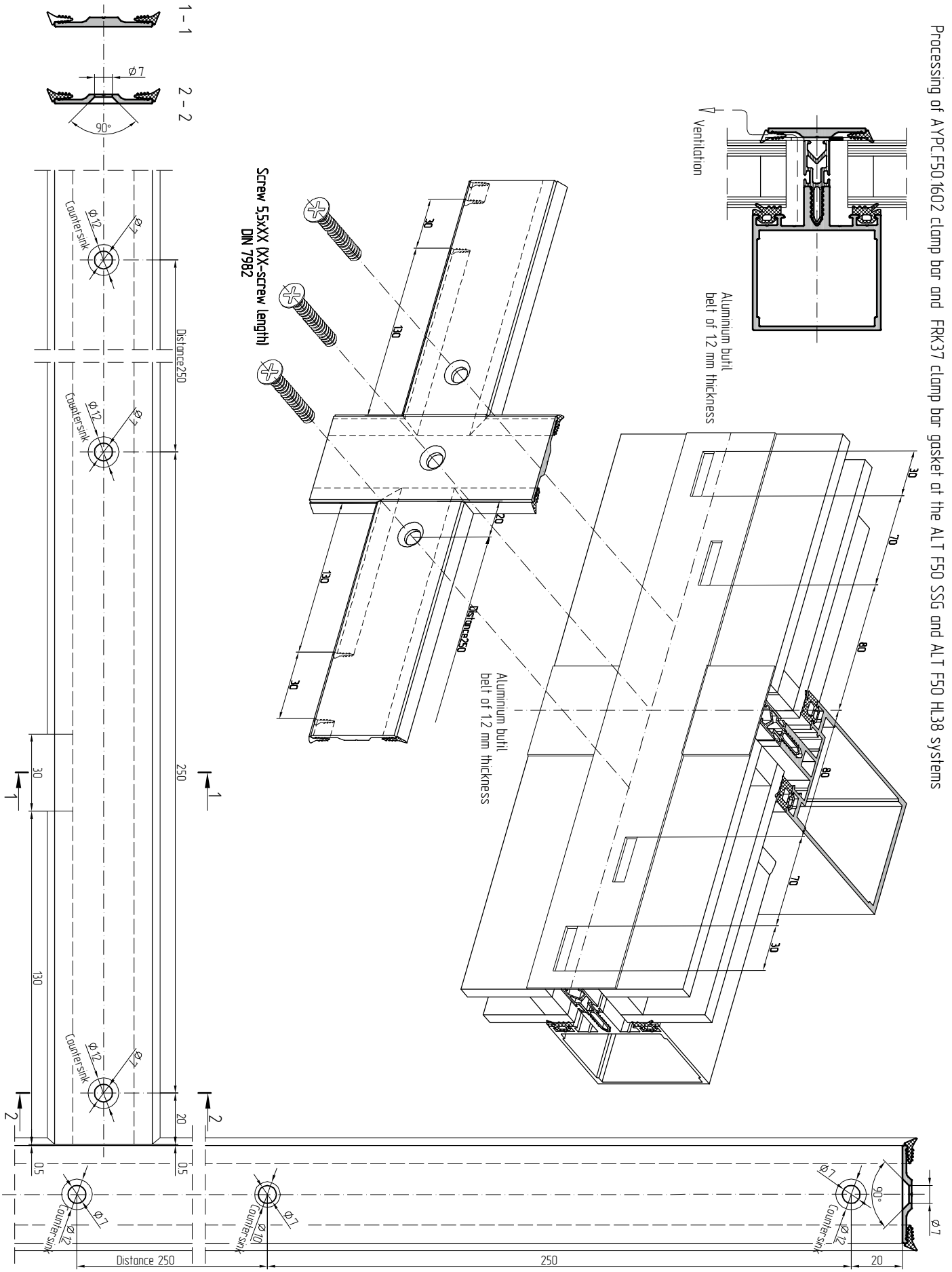
Type A	Glass on the frame, for non-transparent part	Type B	Glass on the frame, for non-transparent part with al. sheet

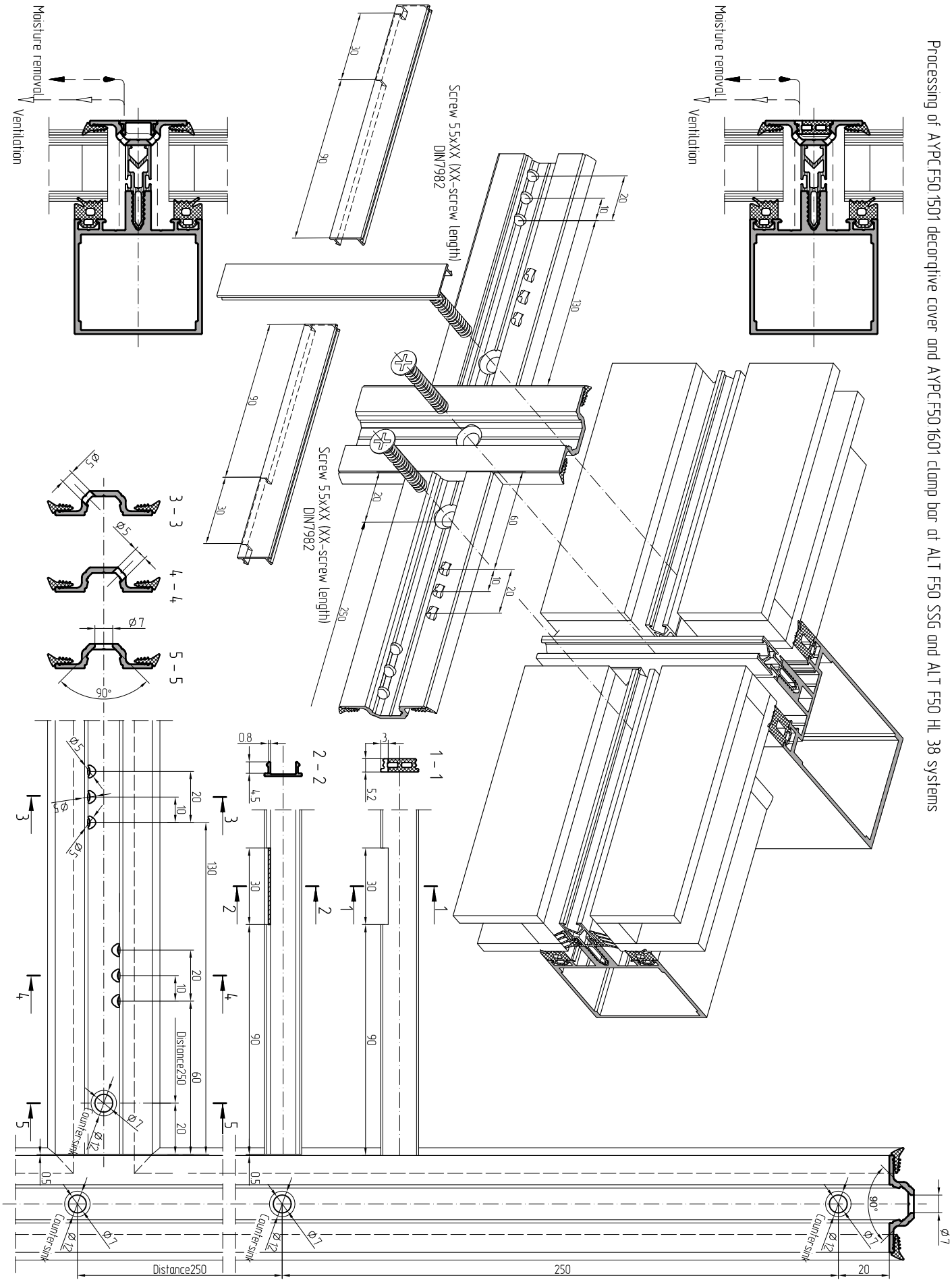





Frame profile
AYPC.F50.1203
Frame profile
AYPC.F50.1913
6
20
26
Frame profile
AYPC.F50.1204
Frame profile
AYPC.F50.1914
6
26
32
Frame profile
AYPC.F50.1205
Frame profile
AYPC.F50.1915
6
32
38
Levelling corner
AYPC.W62.0957
Frame profile
AYPC.F50.1913
AYPC.F50.1914
AYPC.F50.1915
Levelling corner
AYPC.W62.0957
Frame profile
AYPC.F50.1203
AYPC.F50.1204
AYPC.F50.1205
Aluminium sheet t=1.5mm
Frame profile
AYPC.F50.1203
AYPC.F50.1204
AYPC.F50.1205
Frame profile
AYPC.F50.1913
AYPC.F50.1914
AYPC.F50.1915
Don't put joint sealant at the bottom

Processing of AYPC.F50.1602 clamp bar and FRK37 clamp bar gasket at the ALT F50 SSG and ALT F50 HL38 systems





Processing of AYPCF50.1501 decorative cover and AYPCF50.1601 clamp bar at ALT F50 SSG and ALT F50 HL 38 systems

ALT F50 SG is a facade system what allows fabrication of all-glass look facades of any configuration without aluminum profiles on the outside surface. Insulated glass is fixed to mullions with hidden clamps.

The main difference of the solution ALT F50 SSG is that instead of 50 mm pressure plates, it is used beauty caps narrow and almost invisible moldings. Plain, glass adjoining profiles create an illusion of structural glazing.

ALT F50 HL is facade modification, what is created with a vertical or a horizontal line, outlined with the help of various massive clamping bars (oval, hemispheric or rectangular), therefore adding some horizontal or vertical volume. Along other lines the clamping bars are replaced by seam sealing or the space between the IGUs is filled up by silicon seam sealant.

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Certificate № 800017207
issued by the Ministry of Foreign Affairs
of the Republic of Belarus
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ISO 9001:2008 Certified Management System

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