

# ALUTECH

Technical catalogue

## CASEMENT WINDOWS

ALT W72CW

Insulated outward opening  
window system

**ALUTECH**

GROUP OF COMPANIES







# ALUTEC

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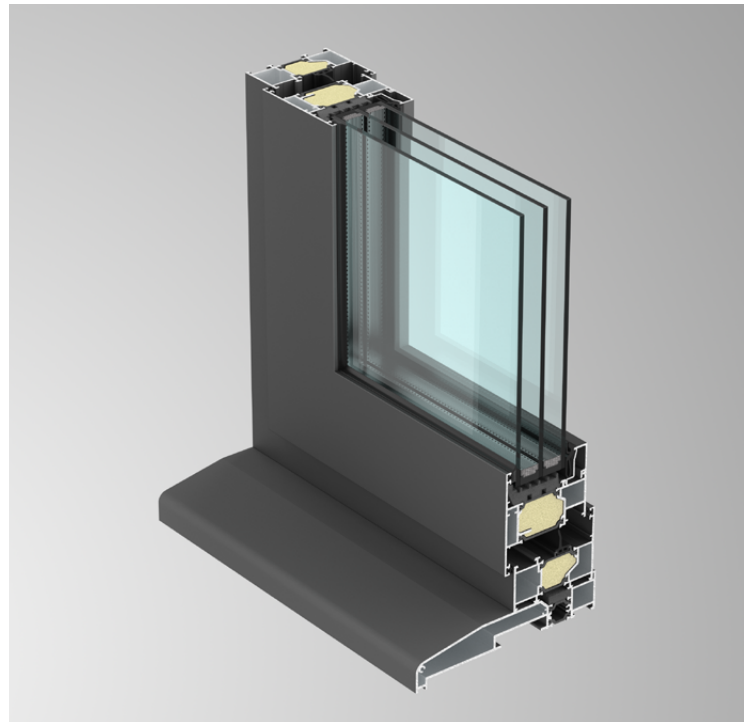


**ALUTECH ALTW72 CW**  
Window system with  
thermal break

# SYSTEM DESCRIPTION







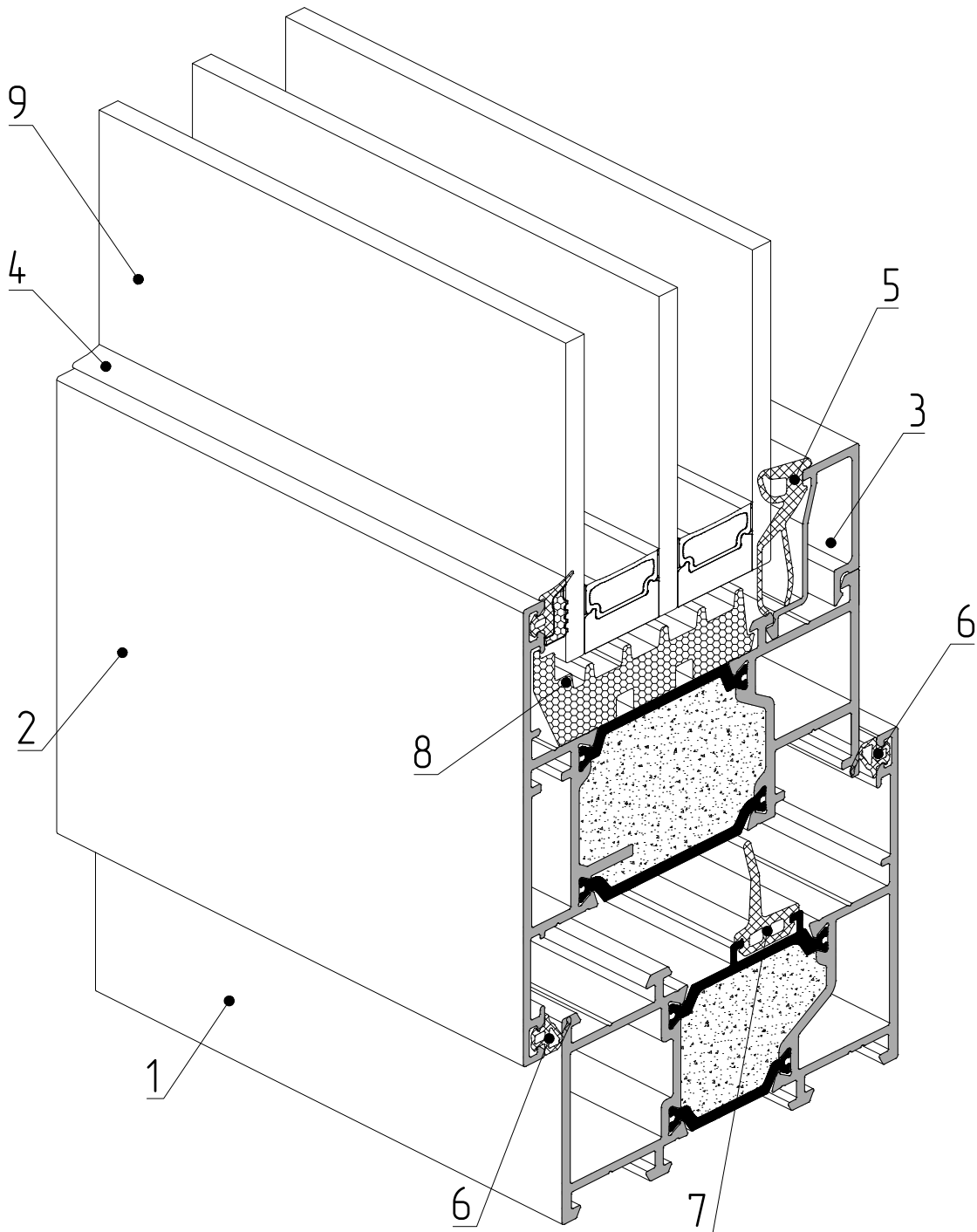
ALT W72 CW system is used to manufacture windows and more complex units for modern energy efficient buildings. New technologies and materials, modern design methods allow us to create products that meet the highest thermal and acoustic requirements.

The frame of the window is 72 mm in depth and is made up of aluminium, polyamide and has a HI+ option with the use of enhanced closed-cell polyethylene insulating foams/upgraded gaskets and EPDM and cellular EPDM gaskets for sealing. The W72 CW can facilitate a range of glazing thicknesses between 16–54 mm.

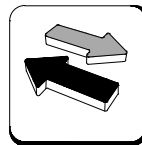
Outward opening window types:

- Single sash
- Double Sash
- Composite with integral mullions/transoms.
- Top hung sash
- Side hung sash

## Outward opening window chart



- 1 - AYPC.W72.3.0166
- 2 - AYPC.W72.3.0240
- 3 - AYPC.C48.0603
- 4 - FRK197
- 5 - FRK194
- 6 - FRK198
- 7 - FRK190
- 8 - AYPC.W72.0911
- 9 - 44mm glazing



Frame profile W72 CW	Frame profile W72 W	Frame profile W72 W
AYPC.W72.3.0165	AYPC.W72.3.0101	AYPC.W72.0101
AYPC.W72.3.0166	AYPC.W72.3.0102	AYPC.W72.0102
AYPC.W72.3.0167	AYPC.W72.3.0103	AYPC.W72.0103





**ALUTECH ALTW72 CW**  
Window system with  
thermal break

# ORDER INFORMATION

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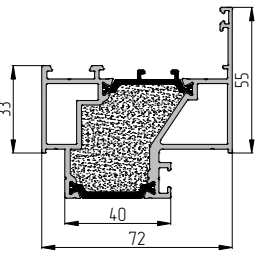
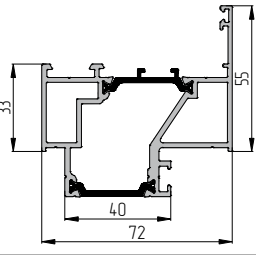
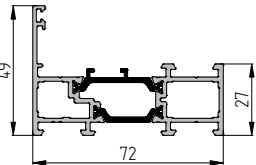
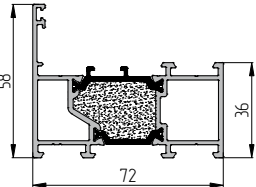
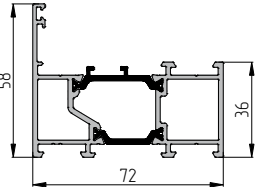
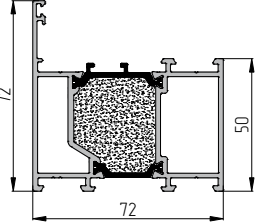
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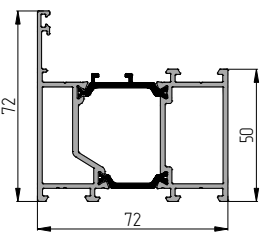
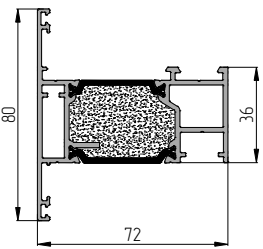
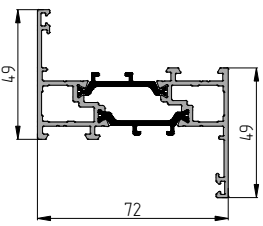
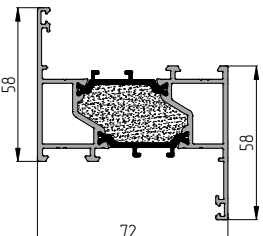
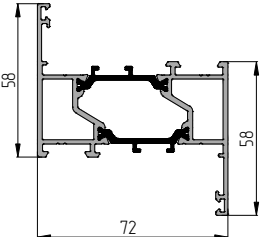
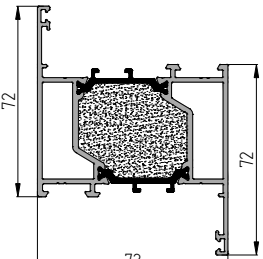


Article	Name Drawing	Weight, kg/m	Exterior perimeter, mm	Cross sectional area, mm <sup>2</sup>	Code	Profile colour	Bar length, m	Quantity in pack		Pack weight	
								pcs	m	Net, kg	Gross, kg
AYPC.W72.0240E	Sash profile 	169	422.9	709.7	10922321 10922331 109223808	RAL9016 RAL9006 A00-D6	6.5	2	13	22.8 22.8 21.9	23.5 23.5 22.6
AYPC.W72.0240NE	Sash profile 	168	422.9	709.7	10922400 10922421 10922431 109224808	00 RAL9016 RAL9006 A00-D6	6.5	2	13	21.8 22.5 22.5 21.8	22.5 23.2 23.2 22.5
AYPC.W72.0339E	Transom bar profile 	153	442.8	665.26	10922900 10922921 10922931 109229808	00 RAL9016 RAL9006 A00-D6	6.5	2	13	19.9 20.7 20.7 19.9	20.6 21.4 21.4 20.6
AYPC.W72.0340E	Transom bar profile 	171	442.8	736.00	10923421 10923431 109234808	RAL9016 RAL9006 A00-D6	6.5	2	13	23.1 23.1 22.2	23.8 23.8 22.9
AYPC.W72.0340NE	Transom bar profile 	171	456.90	736.00	10923500 10923521 10923531 109235808	00 RAL9016 RAL9006 A00-D6	6.5	2	13	22.2 23.1 23.1 22.2	22.9 23.8 23.8 22.9
AYPC.W72.0820E	Adapter profile 	123	339.48	553.30	10938400 10938421 10938431 109384808	00 RAL9016 RAL9006 A00-D6	6.5	2	13	16.0 16.5 16.5 16.0	16.7 17.2 17.2 16.7

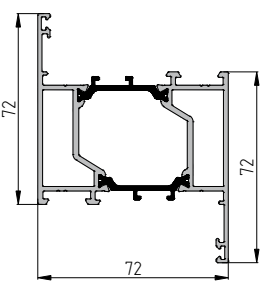
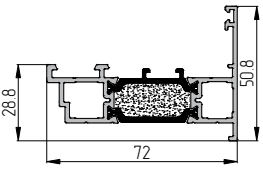
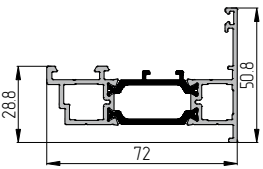
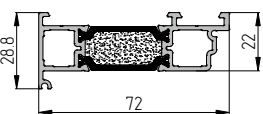
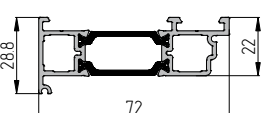
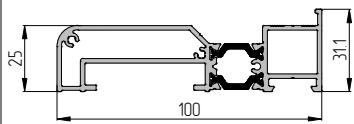
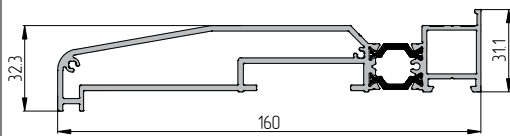


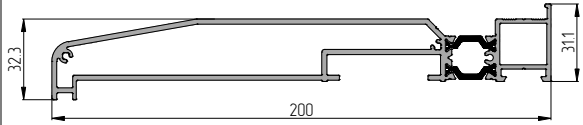
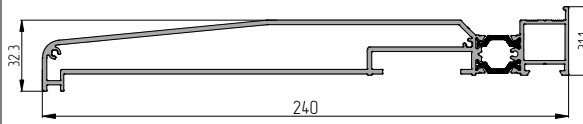
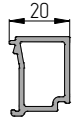
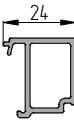


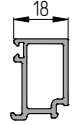
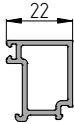
Article	Name Drawing	Weight, kg/m	Exterior perimeter, mm	Cross sectional area, mm <sup>2</sup>	Code	Profile colour	Bar length, m	Quantity in pack		Pack weight	
								pcs	m	Net, kg	Gross, kg
AYPC.W72.3.0161E	<p>Frame profile</p>	1.71	385.2	684.63	13908921 13908931 139089808	RAL9016 RAL9006 A00-D6	6.5	2	13	23.1 23.1 22.2	23.8 23.8 22.9
AYPC.W72.3.0161NE	<p>Frame profile</p>	1.67	385.2	684.63	13909100 13909121 13909131 139091808	00 RAL9016 RAL9006 A00-D6	6.5	2	13	21.7 22.6 22.6 21.7	22.4 23.3 23.3 22.4
AYPC.W72.3.0162E	<p>Frame profile</p>	2.05	406.2	798.13	13909321 13909331 139093808	RAL9016 RAL9006 A00-D6	6.5	2	13	27.8 27.8 26.7	28.6 28.6 27.5
AYPC.W72.3.0162NE	<p>Frame profile</p>	1.98	406.2	798.13	13909500 13909521 13909531 139095808	00 RAL9016 RAL9006 A00-D6	6.5	2	13	25.7 26.7 26.7 25.7	26.5 27.5 27.5 26.5
AYPC.W72.3.0163E	<p>Frame profile</p>	1.64	376	659.58	13909721 13909731 139097808	RAL9016 RAL9006 A00-D6	6.5	2	13	22.2 22.2 21.3	22.9 22.9 21.9
AYPC.W72.3.0163NE	<p>Frame profile</p>	1.58	376	659.58	13909900 13909921 13909931 139099808	00 RAL9016 RAL9006 A00-D6	6.5	2	13	20.5 21.3 21.3 20.5	21.1 21.9 21.9 21.1

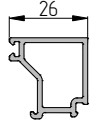
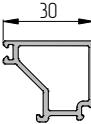
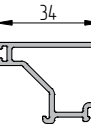
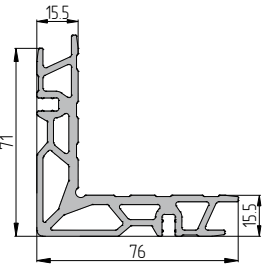
Article	Name Drawing	Weight, kg/m	Exterior perimeter, mm	Cross sectional area, mm <sup>2</sup>	Code	Profile colour	Bar length, m	Quantity in pack		Pack weight	
								pcs	m	Net, kg	Gross, kg
AYPC.W72.3.0164E	Frame profile 	192	404	726.28	13910121 13910131 139101808	RAL9016 RAL9006 A00-D6	6.5	2	13	25.9 25.9 24.9	26.7 26.7 25.6
AYPC.W72.3.0164NE	Frame profile 	183	404	726.28	13910300 13910321 13910331 139103808	00 RAL9016 RAL9006 A00-D6	6.5	2	13	23.8 24.8 24.8 23.8	24.6 25.6 25.6 24.6
AYPC.W72.3.0165E	Frame profile 	135	408.6	566.3	13910500 13910521 13910531 139105808	00 RAL9016 RAL9006 A00-D6	6.5	4	26	35.1 36.5 36.5 35.1	36.2 37.6 37.6 36.2
AYPC.W72.3.0166E	Frame profile 	157	427	633.8	13910721 13910731 139107808	RAL9016 RAL9006 A00-D6	6.5	2	13	21.2 21.2 20.4	21.8 21.8 21.1
AYPC.W72.3.0166NE	Frame profile 	153	427	633.8	13910900 13910921 13910931 139109808	00 RAL9016 RAL9006 A00-D6	6.5	2	13	19.9 20.7 20.7 19.9	20.5 21.3 21.3 20.5
AYPC.W72.3.0167E	Frame profile 	194	455	757	13911121 13911131 139111808	RAL9016 RAL9006 A00-D6	6.5	2	13	26.2 26.2 25.2	27 27 26

Article	Name Drawing	Weight, kg/m	Exterior perimeter, mm	Cross sectional area, mm <sup>2</sup>	Code	Profile colour	Bar length, m	Quantity in pack		Pack weight	
								pcs	m	Net, kg	Gross, kg
AYPC.W72.3.0167NE	<p>Frame profile</p> 	186	455	757	13911300 13911321 13911331 139113808	00 RAL9016 RAL9006 A00-D6	6.5	2	13	24.2 25.2 25.2 24.2	24.9 26 26 24.9
AYPC.W72.3.0240E	<p>Sash profile</p> 	175	418	709.7	13911821 13911831 139118808	RAL9016 RAL9006 A00-D6	6.5	2	13	23.7 23.7 22.8	24.4 24.4 23.5
AYPC.W72.3.0339E	<p>Transom bar profile</p> 	146	439	619.95	13911900 13911921 13911931 139119808	00 RAL9016 RAL9006 A00-D6	6.5	2	13	19 19.8 19.8 19	19.6 20.4 20.4 19.6
AYPC.W72.3.0340E	<p>Transom bar profile</p> 	170	443	690.75	13912021 13912031 139120808	RAL9016 RAL9006 A00-D6	6.5	2	13	23 23 22.1	23.7 23.7 22.8
AYPC.W72.3.0340NE	<p>Transom bar profile</p> 	165	443	690.75	13912100 13912121 13912131 139121808	00 RAL9016 RAL9006 A00-D6	6.5	2	13	215 22.4 22.4 215	22.2 23.1 23.1 22.2
AYPC.W72.3.0341E	<p>Transom bar profile</p> 	2.08	485	815.15	13911521 13911531 139115808	RAL9016 RAL9006 A00-D6	6.5	2	13	28 28 27	28.9 28.9 27.8



Article	Name Drawing	Weight, kg/m	Exterior perimeter, mm	Cross sectional area, mm <sup>2</sup>	Code	Profile colour	Bar length, m	Quantity in pack		Pack weight	
								pcs	m	Net, kg	Gross, kg
AYPC.W72.3.0341NE	Transom bar profile 	198	485	815.15	13911700 13911721 13911731 139117808	00 RAL9016 RAL9006 A00-D6	6.5	2	13	25.7 26.7 26.7 25.7	26.5 27.5 27.5 26.5
AYPC.W72.3.0820E	Adapter profile 	1.21	333	515.32	13907121 13907131 139071808	RAL9016 RAL9006 A00-D6	6.5	2	13	16.3 16.3 15.7	16.8 16.8 16.2
AYPC.W72.3.0820NE	Adapter profile 	1.19	333	515.32	13907200 13907221 13907231 139072808	00 RAL9016 RAL9006 A00-D6	6.5	2	13	15.5 16.1 16.1 15.5	16 16.6 16.6 16
AYPC.W72.3.0821E	Adjoining profile 	1.08	260	462.57	13907021 13907031 139070808	RAL9016 RAL9006 A00-D6	6.5	4	26	28.0 29.1 29.1 28.0	28.8 29.9 29.9 28.8
AYPC.W72.3.0821NE	Adjoining profile 	1.05	260	462.57	13906100 13906121 13906131 139061808	00 RAL9016 RAL9006 A00-D6	6.5	4	26	27.3 28.3 28.3 27.3	28.1 29.1 29.1 28.1
AYPC.BF73.0412	Drainage sub sill 	16	327	639.41	12704600 12704621 12704631 127046808	00 RAL9016 RAL9006 A00-D6	6.5	2	13	20.8 21.6 21.6 20.8	21.4 22.3 22.3 21.4
AYPC.BF73.0413	Drainage sub sill 	2.41	461.3	937.81	12704700 12704721 12704731 127047808	00 RAL9016 RAL9006 A00-D6	6.5	2	13	31.3 32.6 32.6 31.3	32.2 33.6 33.6 32.2

Article	Name Drawing	Weight, kg/m	Exterior perimeter, mm	Cross sectional area, mm <sup>2</sup>	Code	Profile colour	Bar length, m	Quantity in pack		Pack weight	
								pcs	m	Net, kg	Gross, kg
AYPC.BF73.0414	Drainage sub sill 	2.84	541.3	1097.81	12704800	00 RAL9016 RAL9006 A00-D6	6.5	1	6.5	18.5	19.1
					12704821					19.2	19.8
					12704831					19.2	19.8
					127048808					18.5	19.1
AYPC.BF73.0415	Drainage sub sill 	3.27	620.7	1256.71	12704900	00 RAL9016 RAL9006 A00-D6	6.5	1	6.5	21.3	21.9
					12704921					22.2	22.9
					12704931					22.2	22.9
					127049808					21.3	21.9
AYPC.C48.2605	Glass bead profile 	0.378	97	141	10407600	00 RAL9016 RAL9006 A00-D6	6.5	12	78	29.5	30.4
					10407621					30.7	31.6
					10407631					30.7	31.6
					104076808					29.5	30.4
AYPC.C48.2606	Glass bead profile 	0.403	112	149.10	10407700	00 RAL9016 RAL9006 A00-D6	6.5	12	78	31.4	32.3
					10407721					32.7	33.7
					10407731					32.7	33.7
					104077808					31.4	32.3
AYPC.C48.2607	Glass bead profile 	0.428	108	158.60	10407800	00 RAL9016 RAL9006 A00-D6	6.5	8	52	22.3	23
					10407821					23.2	23.9
					10407831					23.2	23.9
					104078808					22.3	23
AYPC.C48.2608	Glass bead profile 	0.458	114	169.70	10407900	00 RAL9016 RAL9006 A00-D6	6.5	8	52	23.8	24.5
					10407921					24.8	25.5
					10407931					24.8	25.5
					104079808					23.8	24.5
AYPC.C48.2615	Glass bead profile 	0.369	108	136.80	10408200	00 RAL9016 RAL9006 A00-D6	6.5	10	65	24	24.8
					10408221					25	25.8
					10408231					25	25.8
					104082808					24	24.8
AYPC.C48.2616	Glass bead profile 	0.403	113	149.30	10408300	00 RAL9016 RAL9006 A00-D6	6.5	10	65	26.2	27.0
					10408321					27.3	28.1
					10408331					27.3	28.1
					104083808					26.2	27.0

Article	Name Drawing	Weight, kg/m	Exterior perimeter, mm	Cross sectional area, mm <sup>2</sup>	Code	Profile colour	Bar length, m	Quantity in pack		Pack weight	
								pcs	m	Net, kg	Gross, kg
AYPC.C48.2617	Glass bead profile 	0.424	118	157.10	10408400 10408421 10408431 104084808	00 RAL9016 RAL9006 A00-D6	6.5	10	65	27.6 28.7 28.7 27.6	28.4 29.6 29.6 28.4
AYPC.C48.2618	Glass bead profile 	0.448	124	164.70	10408500 10408521 10408531 104085808	00 RAL9016 RAL9006 A00-D6	6.5	10	65	29.1 30.2 30.2 29.1	30.0 31.1 31.1 30.0
AYPC.C48.2619	Glass bead profile 	0.482	132	178.40	10434500 10434521 10434531 10434808	00 RAL9016 RAL9006 A00-D6	6.5	10	65	31.3 32.6 32.6 31.3	32.2 33.6 33.6 32.2
AYPC.C48.0709	Corner crimping profile 	2.57	365	950.70	10408000	00	6.5	2	13	33.4	34.1





**ALUTECH ALTW72 CW**  
Window system with  
thermal break

# ACCESSORIES

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Image	Code	Article	Weight, kg/m	Application
	1094.0200	FRK190	0.100	Rubber gasket. Quantity in pack – 75 m
	10825900	FRK198	0.029	Rubber gasket. Quantity in pack – 575 m
	1094.0900	FRK314	0.115	Rubber gasket. Quantity in pack – 175 m



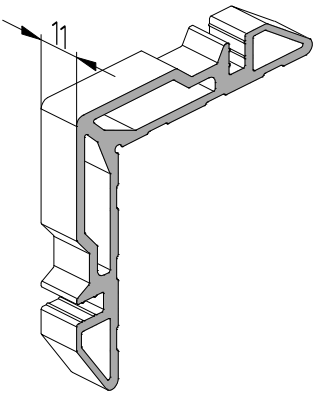
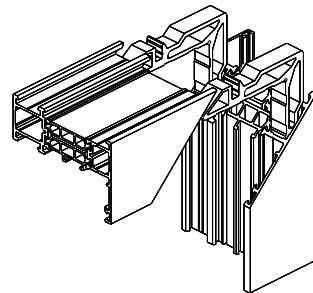
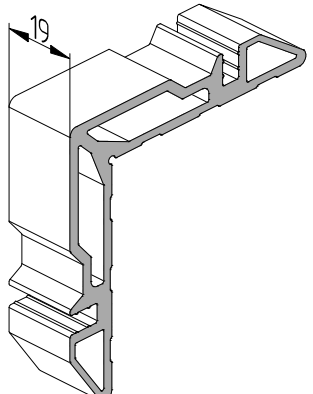
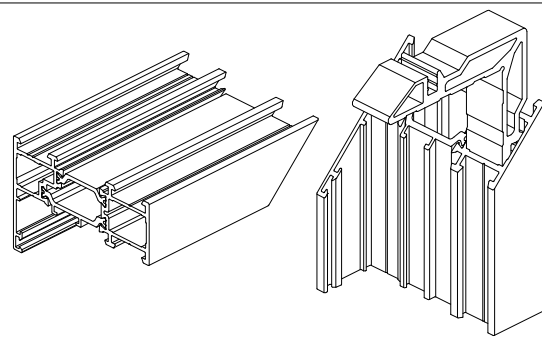
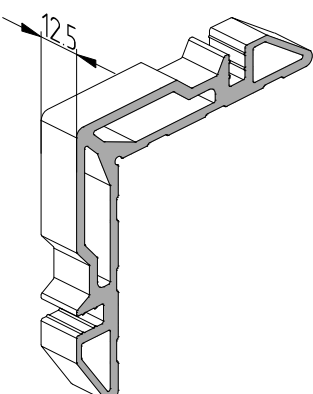
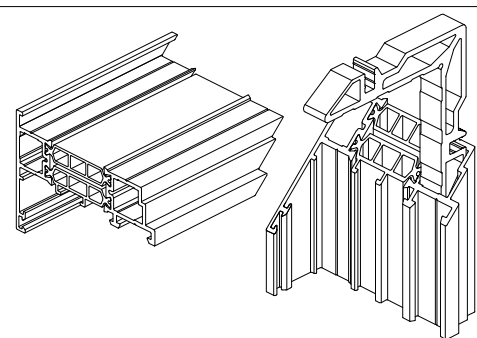
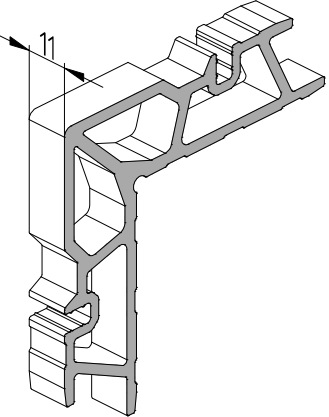
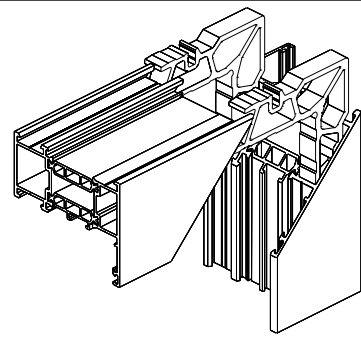
Image	Code	Article	Application
	10812000	AYPC.W62.0952-01	Clamping corner made from AYPC.C48.0702. Quantity in pack – 200 pcs.
			
			For frame / transom bar / adapter profiles AYPC.W72.3.0161 / AYPC.W72.3.0163 / AYPC.W72.3.0165 / AYPC.W72.0339 / AYPC.W72.3.0339 / AYPC.W72.0820 / AYPC.W72.3.0820
	10812100	AYPC.W62.0952-02	Clamping corner made from AYPC.C48.0702. Quantity in pack – 100 pcs.
			
			For frame profiles AYPC.W72.3.0165
	10841500	AYPC.W62.0952-07	Clamping corner made from AYPC.C48.0702. Quantity in pack – 200 pcs.
			
			For adapter profiles AYPC.W72.0820 / AYPC.W72.3.0820
	10812400	AYPC.W62.0953-01	Clamping corner made from AYPC.W50.0703. Quantity in pack – 200 pcs.
			
			For frame / transom bar profiles AYPC.W72.3.0162 / AYPC.W72.3.0164 / AYPC.W72.3.0166 / AYPC.W72.0340 / AYPC.W72.3.0340

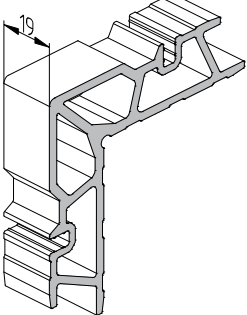
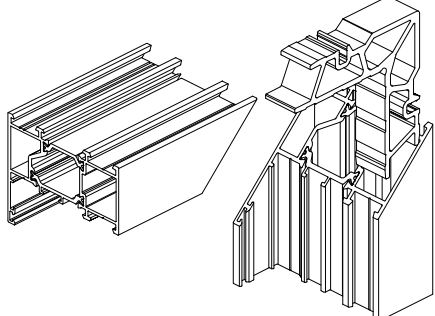
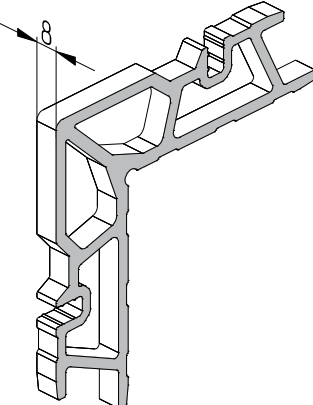
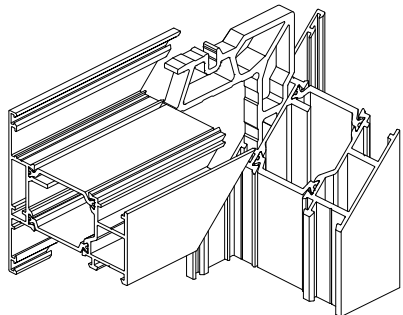
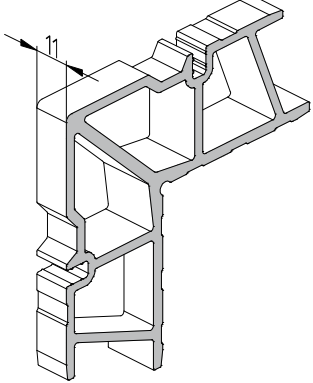
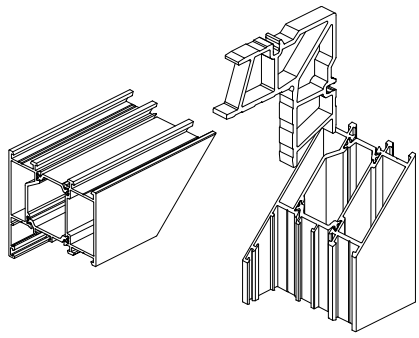
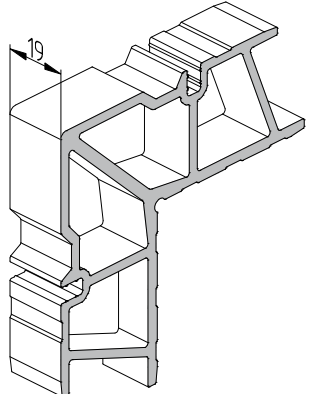
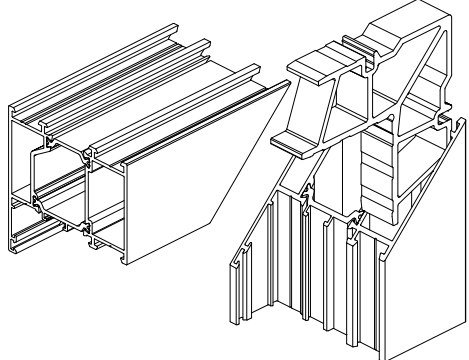
Image	Code	Article	Application
	10812500	AYPC.W62.0953-02	<p>Clamping corner made from AYPC.W50.0703.profile. Quantity in pack - 100 pcs.</p>  <p>For frame profiles AYPC.W72.3.0166</p>
	10827300	AYPC.W62.0953-05	<p>Clamping corner made from AYPC.W50.0703.profile. Quantity in pack - 144 pcs.</p>  <p>For sash profiles AYPC.W72.0240 / AYPC.W72.3.0240</p>
	10813000	AYPC.W62.0954-02	<p>Clamping corner made from AYPC.C48.0711.profile. Quantity in pack - 112 pcs.</p>  <p>For frame / transom bar profiles AYPC.W72.3.0167 / AYPC.W72.3.0341</p>
	10813100	AYPC.W62.0954-03	<p>Clamping corner made from AYPC.C48.0711.profile. Quantity in pack - 56 pcs.</p>  <p>For frame profiles AYPC.W72.3.0167</p>

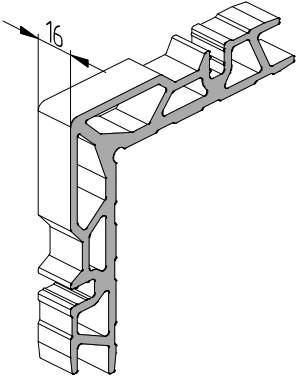
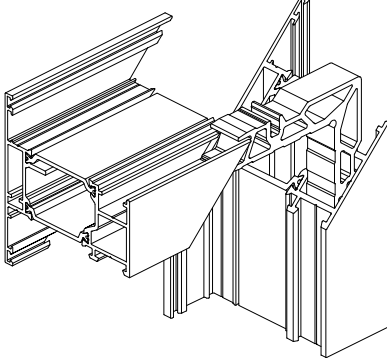
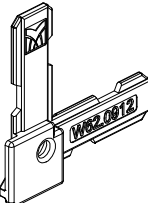
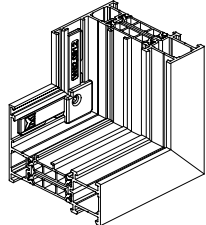
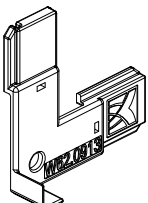
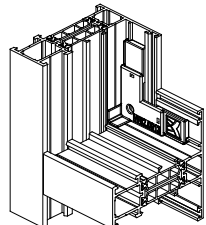
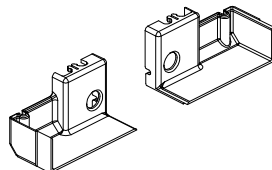
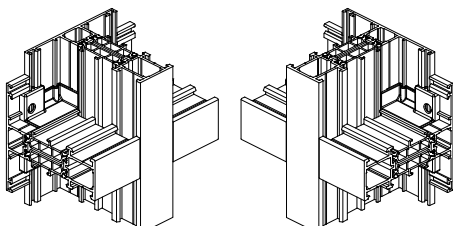
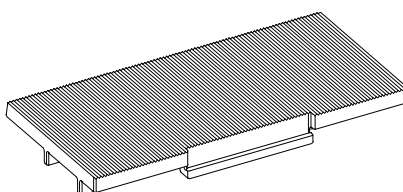
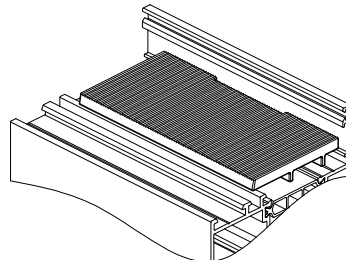
Image	Code	Article	Application
	10827200	AYPC.W62.0969	<p>Clamping corner made from AYPC.C48.0709. Quantity in pack - 35 pcs.</p>  <p>For sash profiles AYPC.W72.0240 /AYPC.W72.3.0240</p>
	10816900	AYPC.W62.0912	<p>Corner. Quantity in pack - 120 pcs.</p> 
	10817000	AYPC.W62.0913	<p>Corner. Quantity in pack - 120 pcs.</p> 
	10819000	AYPC.W62.0914K	<p>Corner plug set. Quantity in pack - 120 set.</p> 
	10819200	AYPC.W62.0917	<p>Bearing support. Quantity in pack - 100 pcs.</p> 

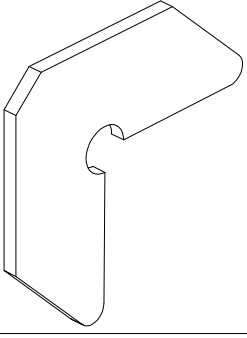
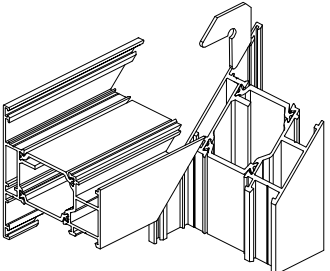
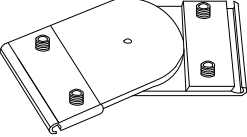
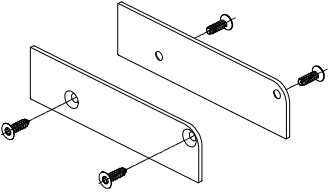
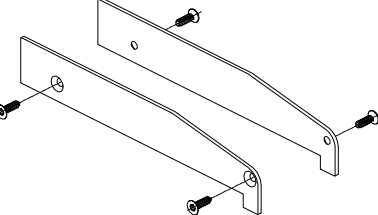
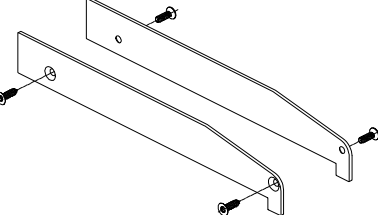
Image	Code	Article	Application
	10813600	AYPC.W62.0957	Leveling corner. Quantity in pack – 200 pcs.
			
	12753500	DBA1-108	Adjustable angle corner connector
			For the sub sill profiles: AYPC.BF73.0412, AYPC.BF73.0413, AYPC.BF73.0414, AYPC.BF73.0415.
			Quantity in pack – 1 pcs
	12757221	AYPC.BF73.2412K RAL9016	Kit of 100 mm sill end caps. Quantity in pack – 20 kits Kit includes: AYPC.BF73.2412 – 1 pcs, AYPC.BF73.2412-01 – 1 pcs, 3,5x13-A2ISO14586 – 4 pcs
	127572429	AYPC.BF73.2412K RAL9005B0	
	127572550	AYPC.BF73.2412K RAL7016B0	
	For the sub sill profile		
	AYPC.BF73.0412		
	12757321	AYPC.BF73.2413K RAL9016	Kit of 160 mm sill end caps. Quantity in pack – 20 kits Kit includes: AYPC.BF73.2413 – 1 pcs, AYPC.BF73.2413-01 – 1 pcs, 3,5x13-A2ISO14586 – 4 pcs
	127573429	AYPC.BF73.2413K RAL9005B0	
	127573550	AYPC.BF73.2413K RAL7016B0	
	For the sub sill profile		
	AYPC.BF73.0413		
	12757421	AYPC.BF73.2414K RAL9016	Kit of 200 mm sill end caps. Quantity in pack – 20 kits Kit includes: AYPC.BF73.2414 – 1 pcs, AYPC.BF73.2414-01 – 1 pcs, 3,5x13-A2ISO14586 – 4 pcs
	127574429	AYPC.BF73.2414K RAL9005B0	
	127574550	AYPC.BF73.2414K RAL7016B0	
	For the sub sill profile		
	AYPC.BF73.0414		

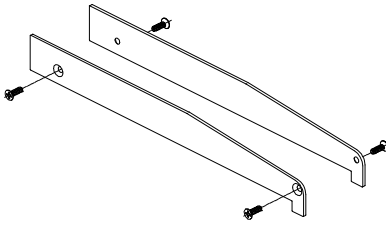
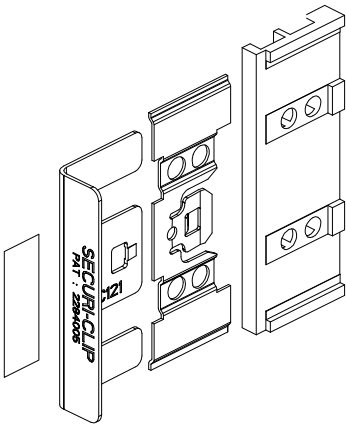
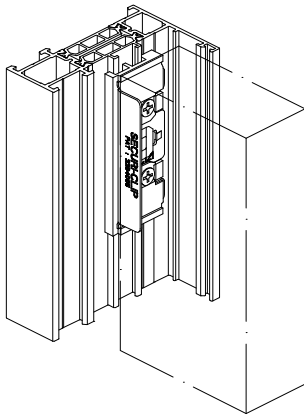
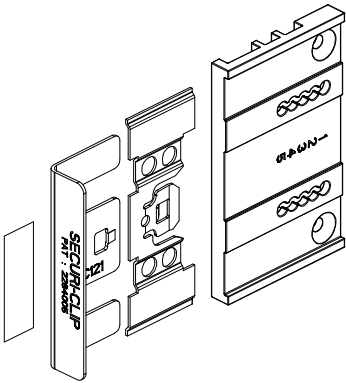
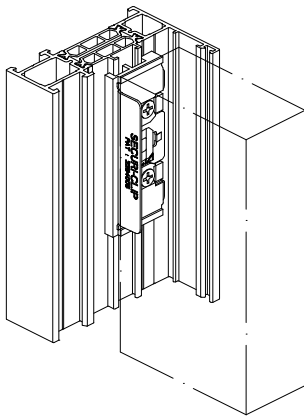
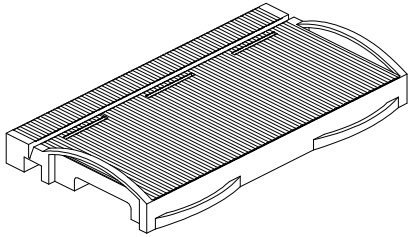
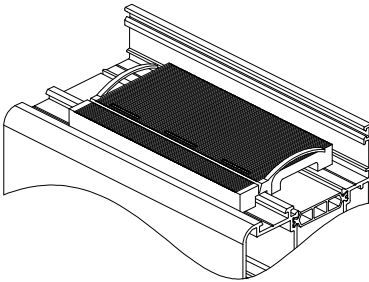
Image	Code	Article	Application
	12757521	AYPC.BF73.24.15K RAL9016	<p>Kit of 240 mm sill end caps. Quantity in pack – 20 kits Kit includes: AYPC.BF73.24.15 – 1 pcs, AYPC.BF73.24.15-01 – 1 pcs, 3,5x13-A2ISO14586 – 4 pcs</p>
	127575429	AYPC.BF73.24.15K RAL9005I30	
	127575550	AYPC.BF73.24.15K RAL7016I30	
			For the sub sill profile
			AYPC.BF73.04.15
	12951000	AYPC.W72.0953K	
			Additional glass fixation kit (for 26, 28 mm infill unit thickness). Quantity in pack – 8 pcs.
	12953900	AYPC.W72.0954K	
			<p>Attention! Not standart delivery time.</p> <p>Additional glass fixation kit. Quantity in pack – 8 pcs.</p>
	12954900	AYPC.W72.9908	Bearing support. Quantity in pack – 40 pcs.
			

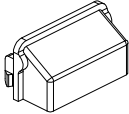
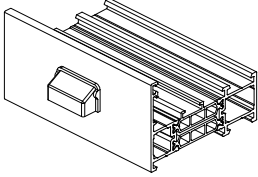
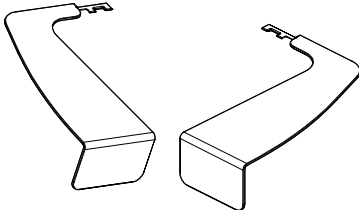
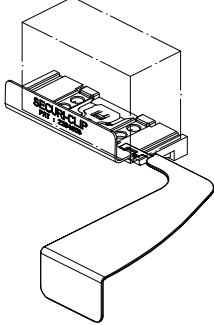
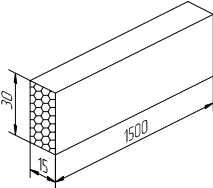
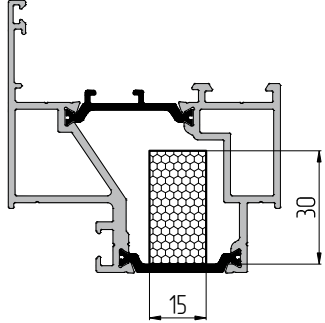
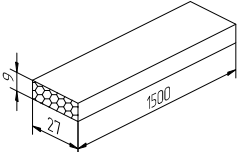
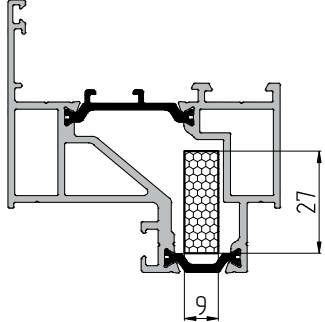
Image	Code	Article	Application
	10827400 RAL9005	AYPC.C48.0919M-01K	Drain hole cover. Quantity in pack - 100 pcs.
	10827401 RAL9016		
	13802200	AYPC.W73.0922K	 Releaser. Quantity in pack - 1 set
	16800100	XPS_15x30	XPS insulating insert. Quantity in pack - 40 pcs.
			 <p>For frame / transom bar profiles</p>
	16800400	XPS_27x9	XPS insulating insert. Quantity in pack - 70 pcs.
			 <p>For frame profiles</p> <p>AYPC.W72.3.0162NE</p>

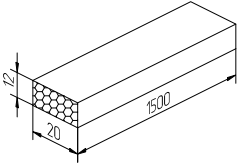
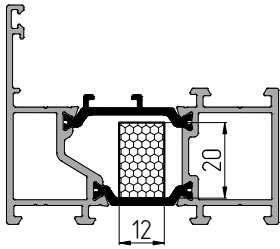
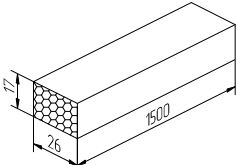
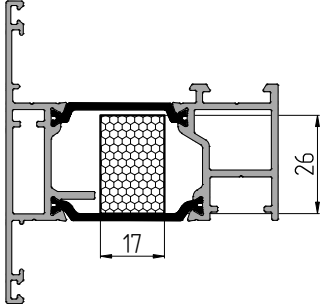
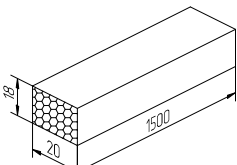
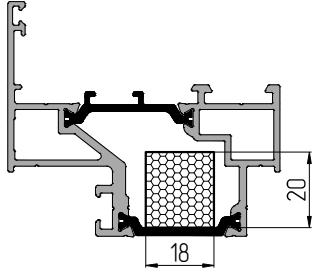
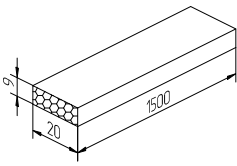
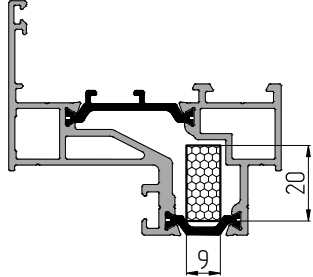
Image	Code	Article	Application
	16800700	XPS_20x12	XPS insulating insert. Quantity in pack - 77 pcs.
			
			For frame / transom bar profiles
			AYPC.W72.3.0166NE / AYPC.W72.3.034ONE
	16801200	XPS_26x17	XPS insulating insert. Quantity in pack - 42 pcs.
			
			For sash profiles
			AYPC.W72.024ONE
	16801900	XPS_20x18	XPS insulating insert. Quantity in pack - 56 pcs.
			
			For frame profiles
			AYPC.W72.3.0163NE
	16802300	XPS_20x9	XPS insulating insert. Quantity in pack - 98 pcs.
			
			For frame / adapter / adjoining profiles
			AYPC.W72.3.0161NE / AYPC.W72.3.0820NE / AYPC.W72.3.0821NE

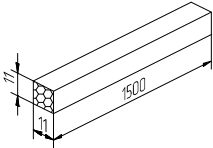
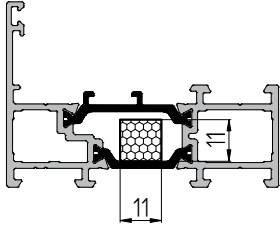
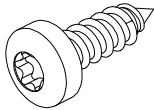
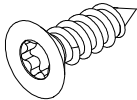

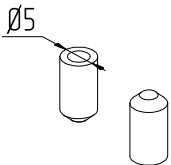
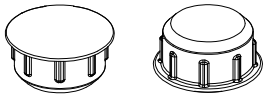
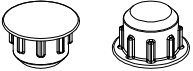




Image	Code	Article	Application
	16802200	XPS_11x11	XPS insulating insert. Quantity in pack - 169 pcs.
			
			For frame / transom bar profiles
			AYPC.W72.3.0165E / AYPC.W72.3.0339E



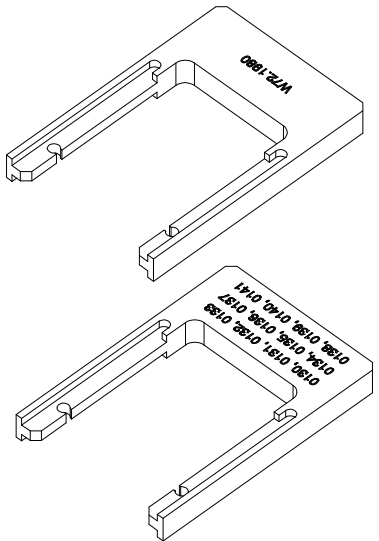
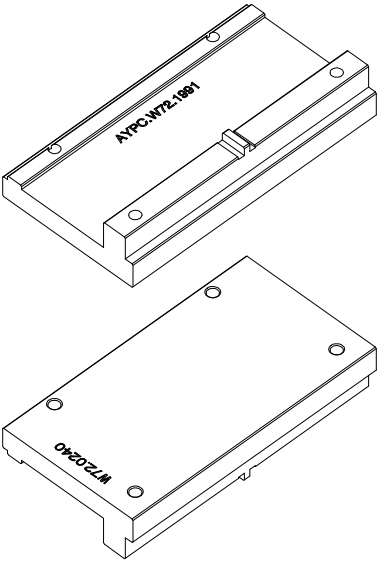
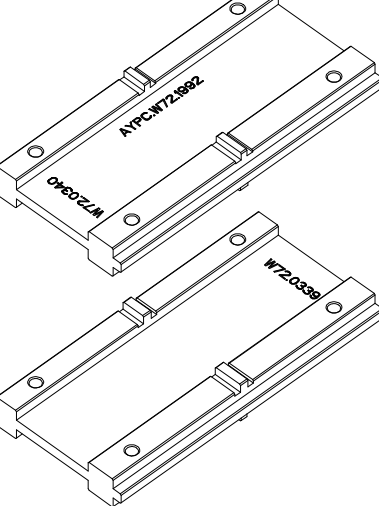
Image	Code	Article	Quantity in pack
 Self-tapping screw	18121600	3,5x19-A2ISO14585	100 pcs
	18101000	3,9x9,5-A2ISO14585	
	18100600	3,9x13-A2ISO14585	
	18102000	3,9x16-A2ISO14585	
	18102100	3,9x19-A2ISO14585	
	18102300	3,9x25-A2ISO14585	
	18102400	3,9x38-A2ISO14585	
	18101200	4,8x16-A2ISO14585	
	18108900	4,8x19-A2ISO14585	
	18101300	4,8x25-A2ISO14585	
 Self-tapping screw with hidden head	18100900	3,9x19-A2ISO14586	100 pcs
	18118500	4,2x25-A2ISO14586	
	18122200	4,2x45-A2ISO14586	
	18119400	4,8x60-A2ISO14586	
	18119500	4,8x70-A2ISO14586	
	18119600	4,8x80-A2ISO14586	
	18141400	4,8x90-A2ISO14586	
 Screw	18114000	M5x16-A2ISO14581	100 pcs
 Pin	18101700	5x8DIN6325D	100 pcs
	18112400	5x10DIN6325D	100 pcs
 Decorative plug Ø10	12655100 RAL9005	AYPC.SL160.0928	100 pcs
	12655101 RAL9016		
 Decorative plug Ø8	11219900 RAL9005	AYPC.F50.0932	100 pcs
	11219901 RAL9016		

Product name, article, drawing	Colour	Code	Weight, kg	Volume, ml	Unit	Quantity per pack	Gross pack weight, kg	Note
One-component adhesive COSMO PU-100.130/0,31 	-	18609100	0.470	310	pcs	1	0.560	Filling of corner connections of aluminum profiles applied through cleats. The adhesive cures by reacting with moisture in the air.
Two-component adhesive COSMO PU-200.280/0,62 	-	18609200	0.900	2x310	pcs	1	1.050	Filling of corner connections of aluminum profiles applied through cleats. The adhesive cures by chemical reaction of components.
Manual mechanical dispensing gun COSMOSP-760.151 	-	18605200	1.380	-	pcs	1	1.780	Dosing of two-component adhesive COSMO PU-200.280
Cap COSMOSP-800.230 	-	18605300	0.011	-	pcs	1	0.013	For two-component adhesive COSMO PU-200.280
Surface cleaner COSMO CL-300.150/1 	-	18609300	0.710	1000	pcs	1	0.736	Removal of PU glues from the coated profile surfaces (in the corner joint areas after crimping and fixing with dowels), removal of silicone from gaskets, cleaning of sealed surfaces.

Product name, article, drawing	Colour	Code	Weight, kg	Volume, ml	Unit	Quantity per pack	Gross pack weight, kg	Note
Surface activator COSMO CL-310.110/0,25 	-	18609400	0.200	250	pcs	1	0.278	Surface priming (PVC profiles, paint coated aluminium, etc.) when using COSMO HD-100.412 (black) sealant. Improves adhesion in difficult bonding areas (oil-based plastics, polyamide, smooth paints, etc.).
Anti-corrosion sealant COSMO HD-100.411/0,31 	-	18609500	0.440	310	pcs	1	0.525	Protection of aluminium profile edges against crevice corrosion. Acts as a sealant and prevents water penetration inside the profile through a loose joint.
Rubber sealant COSMO HD-100.412/0,31 	-	18609800	0.440	310	pcs	1	0.525	Bonding of rubber gaskets, sealing of profile joints, of drip drain and plug joints area, etc. On paint coated profiles, apply COSMO CL-310.110 before the sealant.
Cyanoacrylate glue COSMO CA-500.200/0,02 	-	18609600	0.020	20	pcs	1	0.032	Fast bonding of EPDM rubber gaskets (PE bottle with an applicator)
Primer for bonding TPE rubber and plastics COSMO SP-840.110/0,05 	-	18609700	0.035	50	pcs	1	0.107	Primer for surfaces that are difficult to bond.



Read the manufacturer's instructions before using chemicals.

Product name, Product No., Drawing	Colour	Code	Weight, kg	Unit of measurement	Quantity in pack	Gross pack weight, kg
<p>Jig AYPC.W72.1980</p> 	-	18521500	0.324	pcs	1	0.329
<p>Jig AYPC.W72.1991</p> 	-	18553700	0.915	pcs	1	0.920
<p>Jig AYPC.W72.1992</p> 	-	18553800	0.624	pcs	1	0.629





**ALUTECH ALTW72 CW**  
Window system with  
thermal break

# GLAZING TABLE

01

02

03

04

05

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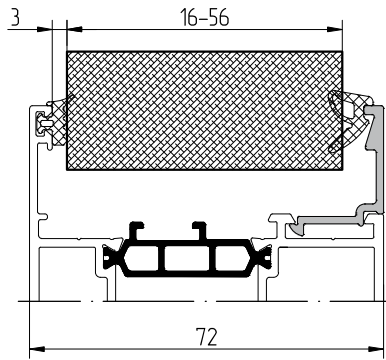
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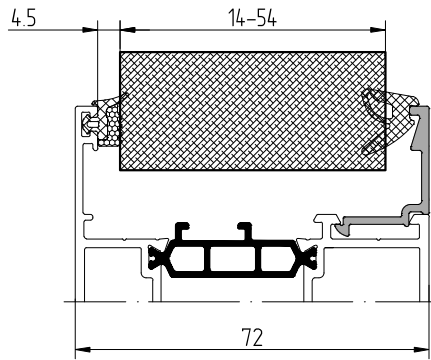


Note:  
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Glass unit thickness, mm	Outer gasket	Inner gasket					Suitable glass bead profiles		
	FRK29-01	FRK191	FRK192	FRK193	FRK194	FRK231	Powder coated glass beads	Anodized glass beads	Burglar-resistant glass beads
16*	●					●			✗
18	●		●			●			
20	●	●							
22*	●					●			✗
22	●		●			●			
24	●	●							
26*	●					●			
26	●		●			●			
28	●	●							
28*	●					●			
30	●		●			●			
32	●	●							
32*	●					●			
34	●		●			●			
36	●	●							
38*	●					●			
38	●		●			●			
40	●	●							
42*	●					●			✗
42	●		●			●			
44	●	●							
46*	●					●			✗
46	●		●			●			
48	●	●							
50*	●					●			✗
50	●		●			●			
52	●	●							
54*	●					●			✗
54	●		●			●			
56	●	●							

\* - Glass bead rubber gasket option



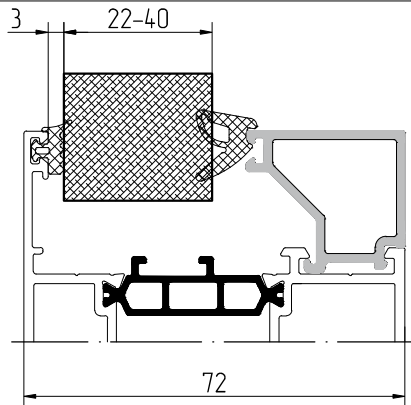


Note:  
Data given in the table is for reference only. The values are not unconditionally accurate and should be used for preliminary calculation. In case of practical use, it is necessary to check their accuracy against the actual parameters, such as accuracy of glass unit manufacturing (tolerances), accuracy of gaskets manufacturing (tolerances), conditions of gasket installation and system assembly, tolerances for glass bead profile and tolerances for combined profiles assembly.  
For correct system functioning, the gaskets must be force fitted.

Glass unit thickness, mm	Outer gasket	Inner gasket					Suitable glass bead profiles		
	FRK197	FRK191	FRK192	FRK193	FRK194	FRK231	Powder coated glass beads	Anodized glass beads	Burglar-resistant glass beads
14*	•					•			✗
16	•		•			•			✗
18	•	•							
18*	•					•			
20	•		•			•			
22	•	•							
22*	•					•			✗
24	•		•			•			✗
26	•	•							✗
26*	•					•			✗
28	•		•			•			
30	•	•							
30*	•					•			
32	•		•			•			
34	•	•							
34*	•					•			
36	•		•			•			
38	•	•							
38*	•					•			
40	•		•			•			
42	•	•							
42*	•					•			
44	•		•			•			
46	•	•							
46*	•					•			
48	•		•			•			
50	•	•							
50*	•					•			
52	•		•			•			
54	•	•							

\* - Glass bead rubber gasket option


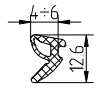




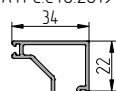
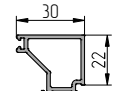
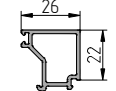
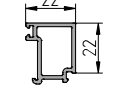
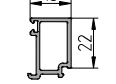
Inside glazing. Burglar-proof beads



Note:  
Data given in the table is for reference only. The values are not unconditionally accurate and should be used for preliminary calculation. In case of practical use, it is necessary to check their accuracy against the actual parameters, such as accuracy of glass unit manufacturing (tolerances), accuracy of gaskets manufacturing (tolerances), conditions of gasket installation and system assembly, tolerances for glass bead profile and tolerances for combined profiles assembly. For correct system functioning, the gaskets must be force fitted.

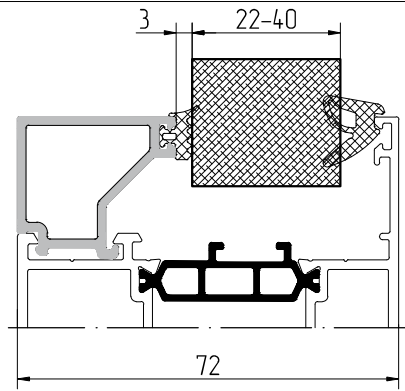
Infill unit thickness, mm	Outer gasket	Inner gasket						Glass bead profile
	FRK29-01	FRK191	FRK192	FRK193	FRK194	FRK231		
22	•					•	AYPC C48 2619 	
24	•		•			•		
26	•					•	AYPC C48 2618 	
28	•		•			•		
30	•					•	AYPC C48 2617 	
32	•		•			•		
34	•					•	AYPC C48 2616 	
36	•		•			•		
38	•					•	AYPC C48 2615 	
40	•		•			•		

### Inside glazing. Burglar-proof beads

		Inner gasket						Glass bead profile
		FRK197	FRK191	FRK192	FRK193	FRK194	FRK231	
Infill unit thickness, mm	Outer gasket							
	FRK197	FRK191	FRK192	FRK193	FRK194	FRK231		
								
	20	•					•	AYPC C48 2619 
	22	•		•		•		
	24	•	•		•			
	26	•		•		•		AYPC C48 2618 
	28	•	•		•			
	30	•		•		•		AYPC C48 2617 
	32	•	•		•			
34	•		•		•		AYPC C48 2616 	
36	•	•		•				
38	•		•		•		AYPC C48 2615 	
40	•	•		•				

Note:  
Data given in the table is for reference only. The values are not unconditionally accurate and should be used for preliminary calculation. In case of practical use, it is necessary to check their accuracy against the actual parameters, such as accuracy of glass unit manufacturing (tolerances), accuracy of gaskets manufacturing (tolerances), conditions of gasket installation and system assembly, tolerances for glass bead profile and tolerances for combined profiles assembly. For correct system functioning, the gaskets must be force fitted.

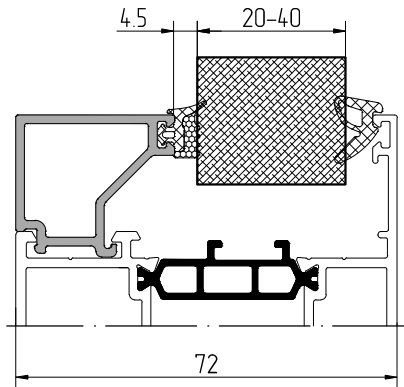
Outside glazing. Burglar-proof beads



Note:  
Data given in the table is for reference only. The values are not unconditionally accurate and should be used for preliminary calculation. In case of practical use, it is necessary to check their accuracy against the actual parameters, such as accuracy of glass unit manufacturing (tolerances); accuracy of gaskets manufacturing (tolerances); conditions of gasket installation and system assembly; tolerances for glass bead profile and tolerances for combined profiles assembly.  
For correct system functioning, the gaskets must be force fitted.

Infill unit thickness, mm	Outer gasket	Inner gasket					Glass bead profile
	FRK29-01	FRK191	FRK192	FRK193	FRK194	FRK231	
22	•					•	AYPC.C48.2619 
24	•		•		•		
26	•					•	AYPC.C48.2618 
28	•		•		•		
30	•					•	AYPC.C48.2617 
32	•		•		•		
34	•					•	AYPC.C48.2616 
36	•		•		•		
38	•					•	AYPC.C48.2615 
40	•		•		•		

## Outside glazing. Burglar-proof beads



Note:  
Data given in the table is for reference only. The values are not unconditionally accurate and should be used for preliminary calculation. In case of practical use, it is necessary to check their accuracy against the actual parameters, such as accuracy of glass unit manufacturing (tolerances), accuracy of gaskets manufacturing (tolerances), conditions of gasket installation and system assembly, tolerances for glass bead profile and tolerances for combined profiles assembly.  
For correct system functioning, the gaskets must be force fitted.

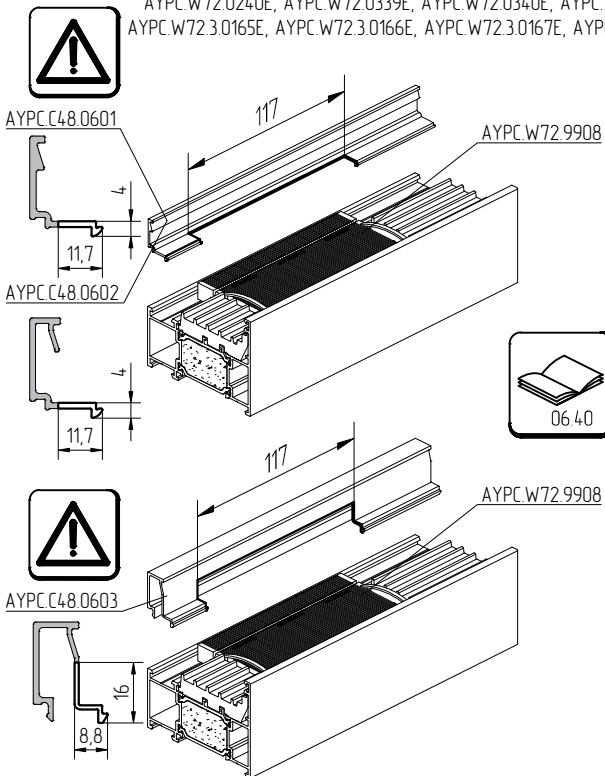
Infill unit thickness, mm	Outer gasket	Inner gasket						Glass bead profile
	FRK197	FRK191	FRK192	FRK193	FRK194	FRK231		
20	•					•	AYPC.C48.2619 	
22	•		•		•			
24	•	•		•				
26	•		•		•		AYPC.C48.2618 	
28	•	•		•				
30	•		•		•		AYPC.C48.2617 	
32	•	•		•				
34	•		•		•		AYPC.C48.2616 	
36	•	•		•				
38	•		•		•		AYPC.C48.2615 	
40	•	•		•				

Bearing and leveling supports application

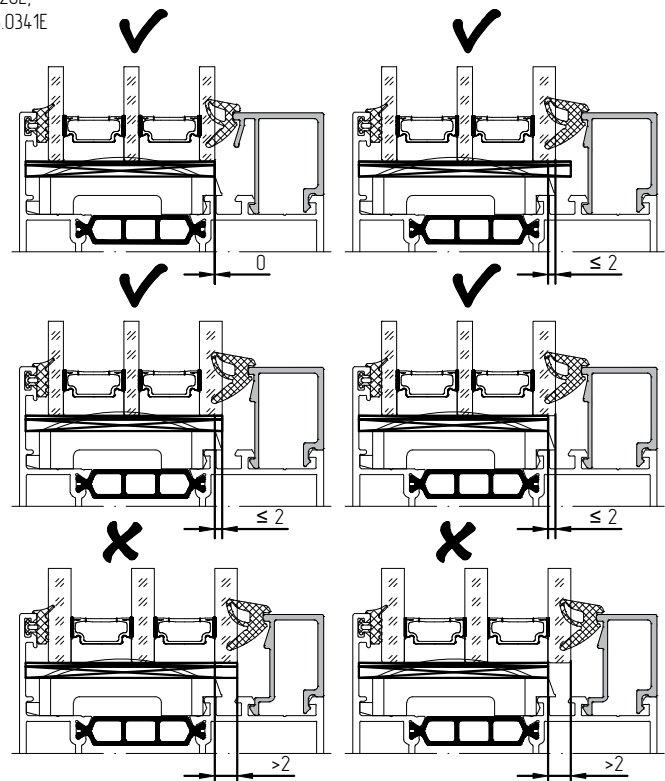
Drawing		Glass unit thickness, mm	Bearing support	Leveling support
FRK29-01 FRK197  AYPC.W72.0240E AYPC.W72.0339E AYPC.W72.0340E AYPC.W72.0820E AYPC.W72.3.0165E AYPC.W72.3.0166E AYPC.W72.3.0167E AYPC.W72.3.0341E		14-20	AYPC.W62.0917	100x26x1(3)
		22-26	AYPC.W62.0917	100x32x1(3)
		28-32	AYPC.W62.0917	100x38x1(3)
		34-38	AYPC.W62.0917	100x44x1(3)
		40-42	AYPC.W62.0917	100x50x1(3)
		44-46	AYPC.W72.9908	100x50x1(3)
	FRK29-01 FRK197  Remove a part of the bearing support  			
		48-50	AYPC.W72.9908	100x56x1(3)
	FRK29-01 FRK197  Further machining of the glazing bead is required  	52-56		100x62x1(3)

Glass bead profiles machining

AYPC.W72.0240E, AYPC.W72.0339E, AYPC.W72.0340E, AYPC.W72.0820E, AYPC.W72.3.0165E, AYPC.W72.3.0166E, AYPC.W72.3.0167E, AYPC.W72.3.0341E



Glass unit must be securely supported with bearing and leveling supports. Not more than 2 mm overhang of inside glass is allowed



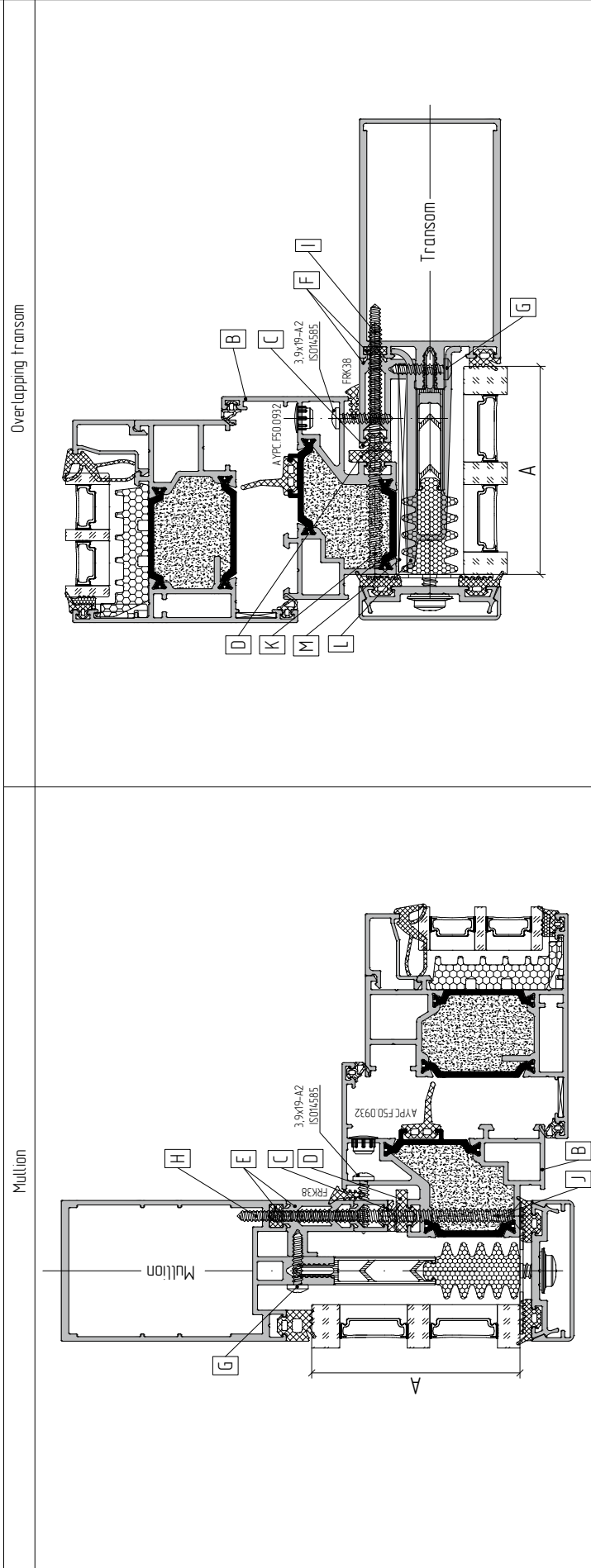
ALT W72CW window units integrated into F50 facade using special AYP C.W72.3.0161, AYP C.W72.3.0162, AYP C.W72.3.0163, AYP C.W72.3.0164 frame profiles

		Mullion		Overlapping transom			
Glass thickness	Frame profile	Gasket		Self-tapping screw		Bearing support	Leveling support
		on mullion	on transom	on frame	on transom, step 450 mm		
A	B	C	D	E	F	G	I
28 mm	AYPC.W72.3.0161 AYPC.W72.3.0162	FRK19	FRK16	FRK223	4,8x60-A2/S014/586	G	H
30 mm		FRK18	FRK15	FRK127			
32 mm		FRK17	FRK14	FRK128			
34 mm		FRK19	FRK16	FRK129			
36 mm	AYPC.W72.3.0163 AYPC.W72.3.0164	FRK18	FRK15	FRK130	4,8x70-A2/S014/586	G	H
38 mm		FRK17	FRK14	FRK131			
40 mm		FRK19	FRK16	FRK223			
42 mm		FRK18	FRK15	FRK127			
44 mm	AYPC.W72.3.0163 AYPC.W72.3.0164	FRK17	FRK14	FRK128	4,8x80-A2/S014/586	G	H
46 mm		FRK19	FRK16	FRK129			
48 mm		FRK18	FRK15	FRK130			
50 mm		FRK17	FRK14	FRK131			

Information concerning FRK14-FRK19 gaskets, FRK223, FRK127-FRK131 gaskets and AYP C.F50.094.1-01, AYP C.F50.094.1-02, AYP C.F50.0952, AYP C.F50.0952-01, bearing supports is provided in ALT F50 technical catalogue



ALT W72CW window units integrated into F50 facade using special AYPC.W72.3.0163, AYPC.W72.3.0164 frame profiles



Infill unit thickness, mm	Frame profile	Gasket		Adapter profile		Self-tapping screw				Bearing support	Leveling support	
		on mullion / on overlapping transom	on frame	on mullion	on overlapping transom	for adapter profile on mullion, 450 mm spacing	for adapter profile on overlapping transom, 450 mm spacing	for frame on mullion, 450 mm spacing	for frame on overlapping transom, 450 mm spacing			
A	B	C	D	E	F	G	H	I	J	K	L	M
52				AYPC.F50.0736 / FRK200	AYPC.F50.0735 / FRK199			3.9x25-A2ISO14586	4,8x80-A2ISO14586		AYPC.F50.0952-02	100x56x1 (100x56x3)
54												
56				AYPC.F50.0737 / FRK200	AYPC.F50.0736 / FRK199			3.9x32-A2ISO14586	4,8x90-A2ISO14586		AYPC.F50.0952-03	100x62x1 (100x62x3)
58												
60				AYPC.F50.0738 / FRK200	AYPC.F50.0737 / FRK199			3.9x38-A2ISO14586	4,8x90-A2ISO14586		AYPC.F50.0952-04	100x68x1 (100x68x3)
62	AYPC.W72.3.0163		FRK14									
64	AYPC.W72.3.0164			AYPC.F50.0737 + AYPC.F50.0702 / FRK200	AYPC.F50.0738 / FRK199	3.9x19-A2 ISO14585		3.9x32-A2ISO14586	4,8x90-A2ISO14586		AYPC.F50.9978	100x74x1 (100x74x3)
66												
68												
70												
72												
74												

Information concerning FRK14, FRK128 gaskets and AYPC.F50.0735 ... AYPC.F50.0738 distant profiles is provided in ALT F50 technical catalogue



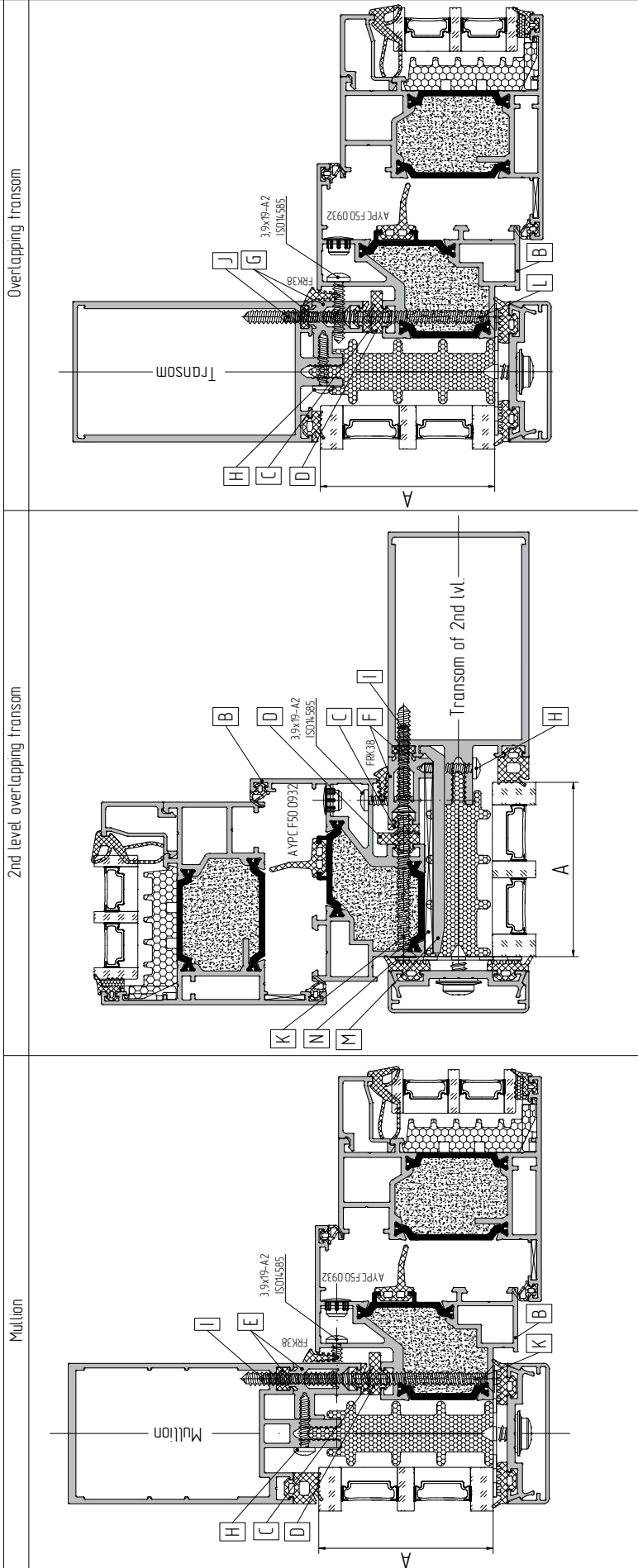


ALT W72CW window units integrated into F50 facade using special AYPC.W72.3.0161, AYPC.W72.3.0162, AYPC.W72.3.0163, AYPC.W72.3.0164 frame profiles											
Mullion			Transom of 2nd level, overlapping			Transom overlapping			Leveling support		
Glass thickness	Frame profile	Gasket		Self-lapping screw		Bearing support	Leveling support	Transom			
		on mullion	on transom of 2nd level	on mullion, step 450 mm	on transom of 2nd level, step 450 mm			on transom, step 450 mm	on transom, step 450 mm	on transom, step 450 mm	
A	B	C	D	E	F	G	H	I	J	K	
28 mm		FRK19	FRK19	FRK16	FRK223						
30 mm		FRK18	FRK18	FRK15	FRK127				AYPC.F50.094.1-02		100x38x1 (100x38x3)
32 mm	AYPC.W72.3.0161	FRK17	FRK17	FRK14	FRK128		4,8x60-AZIS014,586				
34 mm	AYPC.W72.3.0162	FRK19	FRK19	FRK16	FRK129				AYPC.F50.0952		100x44x1 (100x44x3)
36 mm		FRK18	FRK18	FRK15	FRK130						
38 mm		FRK17	FRK17	FRK14	FRK131				AYPC.F50.0952-01		100x50x1 (100x50x3)
40 mm		FRK19	FRK19	FRK16	FRK223		4,8x70-AZIS014,586				
42 mm		FRK18	FRK18	FRK15	FRK127						
44 mm	AYPC.W72.3.0163	FRK17	FRK17	FRK14	FRK128						
46 mm	AYPC.W72.3.0164	FRK19	FRK19	FRK16	FRK129						
48 mm		FRK18	FRK18	FRK15	FRK130		4,8x80-AZIS014,586		AYPC.F50.0952-02		100x56x1 (100x56x3)
50 mm		FRK17	FRK17	FRK14	FRK131						

Information concerning FRK14-FRK19 gaskets, FRK223, FRK127-FRK131 gaskets and AYPC.F50.094.1-02, AYPC.F50.0952, AYPC.F50.0952-01, AYPC.F50.0952-02 bearing supports is provided in ALT F50 technical catalogue



ALT W72CW window units integrated into F50 facade using special AYPC.W72.3.0163, AYPC.W72.3.0164 frame profiles



Infill unit thickness, mm	Gasket		Adapter profile		Self-tapping screw			Bearing support	Leveling support		
	on mullion / on 2nd level overlapping transom / on overlapping transom	on frame	on 2nd level overlapping transom	on overlapping transom	for adapter profile on overlapping transom, 450 mm spacing	for adapter profile on mullion / on 2nd level overlapping transom, 450 mm spacing	for frame on overlapping transom, 450 mm spacing				
A	C	D	F	G	H	I	J	K	L	M	N
52	FRK14	FRK128	AYPC.F50.0736 / FRK200	AYPC.F50.0735 / FRK199	3,9x19-A2 ISO14585	3,9x25-A2ISO14586	3,9x19-A2ISO14586	4,8x80-A2ISO14586	100x62x1 (100x62x3)	AYPC.F50.0952-03	100x68x1 (100x68x3)
54			AYPC.F50.0736 / FRK200	AYPC.F50.0736 / FRK199	3,9x19-A2 ISO14585	3,9x25-A2ISO14586	3,9x19-A2ISO14586	4,8x80-A2ISO14586	100x68x1 (100x68x3)	AYPC.F50.0952-04	100x68x1 (100x68x3)
56			AYPC.F50.0737 / FRK200	AYPC.F50.0737 / FRK199	3,9x19-A2 ISO14585	3,9x25-A2ISO14586	3,9x19-A2ISO14586	4,8x80-A2ISO14586	100x68x1 (100x68x3)	AYPC.F50.0952-04	100x68x1 (100x68x3)
58			AYPC.F50.0737 / FRK200	AYPC.F50.0737 / FRK199	3,9x19-A2 ISO14585	3,9x25-A2ISO14586	3,9x19-A2ISO14586	4,8x80-A2ISO14586	100x68x1 (100x68x3)	AYPC.F50.0952-04	100x68x1 (100x68x3)
60											
62											

Information concerning FRK14, FRK128 gaskets and AYPC.F50.0735 ... AYPC.F50.0737 distant profiles is provided in ALT F50 technical catalogue



ALT W72CW window installation into facade using transom bar profile as a frame										
Mullion										
Overlapping transom										
Infill unit thickness	Frame profile	Gasket		Distance profile		Self-tapping screw				
	B	on mullion	on transom bar	on frame	on mullion	on transom bar	on mullion/transom bar, 450 mm step	on distance profile		
A		C	D	E	F	G	H	I	J	
22 mm	AYPCL W72.0339 AYPCL W72.3.0339 AYPCL W72.0340 AYPCL W72.3.0340 AYPCL W72.3.0341	FRK15	FRK15	FRK159	AYPCL F50.0902-01 / FRK200	AYPCL F50.0901-01 / FRK199	3,9x19-A2IS014585	3,9x32-A2IS014586	3,9x25-A2IS014586	
24 mm					AYPCL F50.0903-01 / FRK200	AYPCL F50.0902-01 / FRK199	3,9x19-A2IS014585	3,9x38-A2IS014586	3,9x32-A2IS014586	
26 mm					2 x AYPCL F50.0901-01 / FRK200	FRK159	FRK159	3,9x19-A2IS014585	3,9x38-A2IS014586	3,9x32-A2IS014586
28 mm								3,9x19-A2IS014585	3,9x38-A2IS014586	3,9x32-A2IS014586
30 mm					2 x AYPCL F50.0901-01 + AYPCL F50.0902-01 / FRK200	FRK159	FRK159	3,9x19-A2IS014585	3,9x38-A2IS014586	3,9x32-A2IS014586
32 mm								3,9x19-A2IS014585	3,9x38-A2IS014586	3,9x32-A2IS014586
34 mm					2 x AYPCL F50.0901-01 + AYPCL F50.0902-01 / FRK200	FRK159	FRK159	3,9x19-A2IS014585	3,9x38-A2IS014586	3,9x32-A2IS014586
36 mm								3,9x19-A2IS014585	3,9x38-A2IS014586	3,9x32-A2IS014586
38 mm	2 x AYPCL F50.0901-01 + AYPCL F50.0902-01 / FRK200	FRK159	FRK159	3,9x19-A2IS014585	3,9x38-A2IS014586	3,9x32-A2IS014586				
40 mm				3,9x19-A2IS014585	3,9x38-A2IS014586	3,9x32-A2IS014586				
42 mm	2 x AYPCL F50.0901-01 + AYPCL F50.0902-01 / FRK200	FRK159	FRK159	3,9x19-A2IS014585	3,9x38-A2IS014586	3,9x32-A2IS014586				
44 mm				3,9x19-A2IS014585	3,9x38-A2IS014586	3,9x32-A2IS014586				

Information concerning FRK15, FRK159 gaskets and AYPCL F50.0901-01 ... AYPCL F50.0903-01 distant profiles is provided in ALT F50 technical catalogue



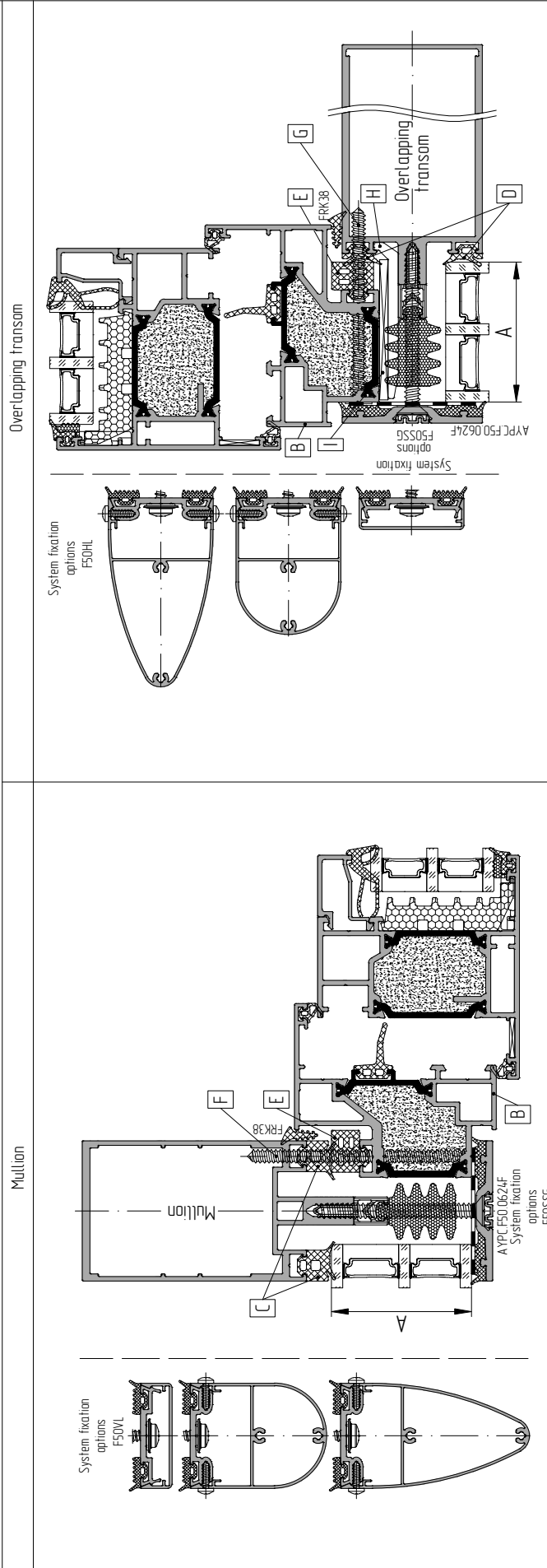
ALT W72CW window installation into curtain walling with the help of transom profile

Mullion		Transom of 2nd level		Transom	
Glass thickness	Frame profile	Gasket	Distance profile	Self-tapping screw	
A	B	on mullion/ on transom of 2nd level / on transom	on transom of 2nd level	on mullion/ on transom of 2nd level, step 450 mm	on transom, step 450 mm
22 mm	AYPC W72.0339	E	F	H	J
24 mm	AYPC W72.0339	AYPC F50.0902-01 / FRK200	AYPC F50.0902-01 / FRK199	3,9x19-A2IS014-585	3,9x32-A2IS014-586
26 mm	AYPC W72.0340	AYPC F50.0903-01 / FRK200	AYPC F50.0903-01 / FRK199	3,9x19-A2IS014-585	3,9x38-A2IS014-586
28 mm	AYPC W72.0340	2 x AYPC F50.0901-01 / FRK200	AYPC F50.0901-01 / FRK199	3,9x19-A2IS014-585	3,9x38-A2IS014-586
30 mm	AYPC W72.0340	AYPC F50.0901-01 + AYPC F50.0902-01 / FRK200	AYPC F50.0901-01 / FRK199	3,9x19-A2IS014-585	3,9x45-A2IS014-586
32 mm	AYPC W72.0341				
34 mm	AYPC W72.0341				
36 mm	AYPC W72.0341				
38 mm					
40 mm					
42 mm					
44 mm					

Information concerning FRK15, FRK159 gaskets and AYPC F50.0901-01 ... AYPC F50.0903-01 distant profiles is provided in ALT F50 technical catalogue



ALT W72CW window units integrated into F50SSG, F50HL, F50VL facade using special AYPC.W72.3.0161, AYPC.W72.3.0162, AYPC.W72.3.0163, AYPC.W72.3.0164 frame profiles



Glass unit thickness, mm	Frame profile	Gasket		Self-tapping screw		Bearing support	Leveling support
		on mullion	on overlapping transom	on frame	on mullion, spacing 450 mm		
A	B	C	D	E	F	H	I
28	AYPC.W72.3.0161 AYPC.W72.3.0162	FRK229	FRK226	FRK223	4,8x60-A2IS014586	AYPC.F50.094-1-01	100x32x1 (100x32x3)
30		FRK228	FRK225	FRK127			
32		FRK227	FRK224	FRK128			
34		FRK229	FRK226	FRK129			
36		FRK228	FRK225	FRK130			
38		FRK227	FRK224	FRK131	4,8x70-A2IS014586	AYPC.F50.094-1-02	100x38x1 (100x38x3)
40		FRK229	FRK226	FRK223			
42		FRK228	FRK225	FRK127			
44	AYPC.W72.3.0163 AYPC.W72.3.0164	FRK227	FRK224	FRK128	4,8x70-A2IS014586	AYPC.F50.0952	100x44x1 (100x44x3)
46		FRK229	FRK226	FRK129			
48		FRK228	FRK225	FRK130			
50		FRK227	FRK224	FRK131	4,8x80-A2IS014586	AYPC.F50.0952-01	100x50x1 (100x50x3)

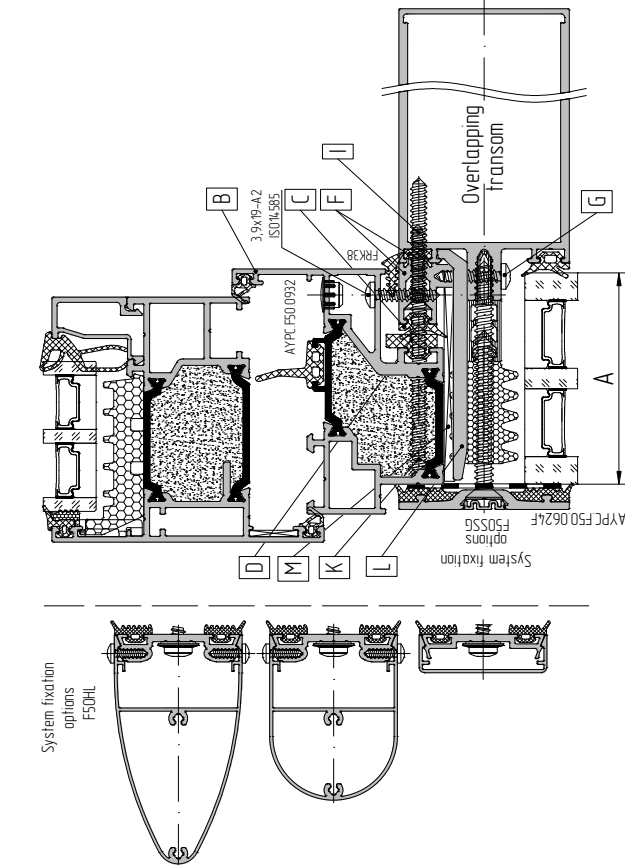
Data on FRK223-FRK229, FRK127-FRK131 gaskets and AYPC.F50.094-1-01, AYPC.F50.094-1-02, AYPC.F50.0952, AYPC.F50.0952-01 bearing supports is provided in ALT F50SSG, F50HL, F50VL technical catalogue



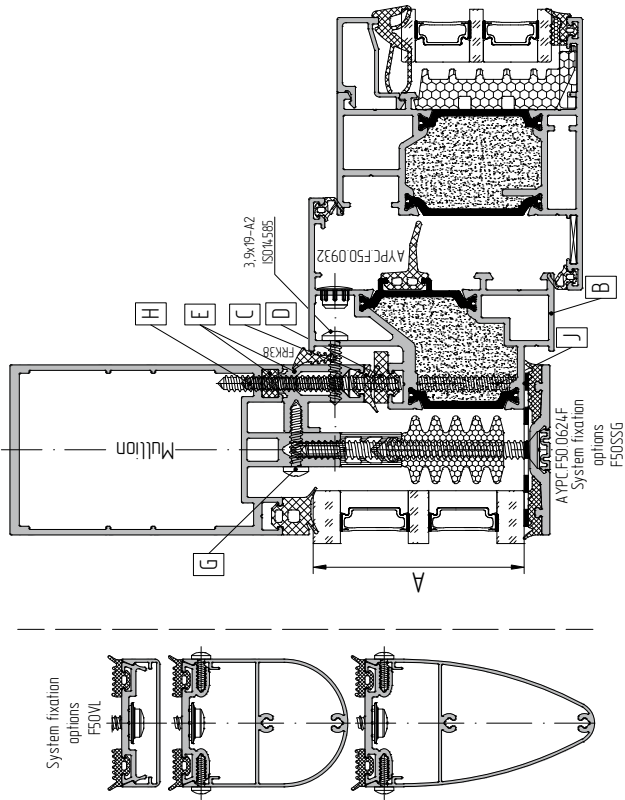


ALT W72CW window units integrated into F50SSG, F50HL, F50VL facade using special AYP.C.W72.3.0163, AYP.C.W72.3.0164 frame profiles

Overlapping transom



Mullion



Infill unit thickness, mm	Frame profile	Gasket		Adapter profile		Self-tapping screw				Bearing support	Leveling support	
		on mullion / on overlapping transom	on frame	on mullion	on overlapping transom	for adapter profile on overlapping transom, 450 mm spacing	for adapter profile on mullion, 450 mm spacing	for frame on overlapping transom, 450 mm spacing	for frame on mullion, 450 mm spacing			
A	B	C	D	E	F	G	H	I	J	K	L	M
52				AYPC.F50.0736 / FRK200	AYPC.F50.0735 / FRK199		3,9x25-A2IS014586	3,9x19-A2IS014586	4,8x80-A2IS014586		AYPC.F50.0952-02	100x56x1 (100x56x3)
54				AYPC.F50.0737 / FRK200	AYPC.F50.0736 / FRK199	3,9x19-A2IS014585						
56	AYPC.W72.3.0163	FRK224	FRK128									
58	AYPC.W72.3.0164											
60							3,9x32-A2IS014586	3,9x25-A2IS014586	4,8x90-A2IS014586		AYPC.F50.0952-03	100x62x1 (100x62x3)
62												



Data on FRK199-FRK200, FRK128, FRK224, gaskets, AYP.C.F50.0735-AYP.C.F50.0737 and AYP.C.F50.0952-02, AYP.C.F50.0952-03 bearing supports is provided in ALT F50SSG, F50HL, F50VL technical catalogue

ALT W72CW window units integrated into F50SSG, F50HL, F50VL facade using special AYPC.W72.3.0161, AYPC.W72.3.0162, AYPC.W72.3.0163, AYPC.W72.3.0164 frame profiles

Glass unit thickness, mm	Mullion		2nd level overlapping transom		Overlapping transom		Leveling support		
	System fixation options F50VL		System fixation options F50HL		System fixation options F50VL				
	on mullion	on 2nd level overlapping transom	on mullion	on 2nd level overlapping transom	on overlapping transom, spacing 450 mm	on overlapping transom, spacing 450 mm			
A	C	D	E	F	G	H	I	J	K
28	FRK229	FRK229	FRK226	FRK223					
30	FRK228	FRK228	FRK225	FRK127		4, 8x60-A2IS014-586		AYPC.F50.094-02	100x38x1 (100x38x3)
32	FRK227	FRK227	FRK224	FRK128					
34	FRK229	FRK229	FRK226	FRK129		4, 8x70-A2IS014-586		AYPC.F50.0952	100x44x1 (100x44x3)
36	FRK228	FRK228	FRK225	FRK130					
38	FRK227	FRK227	FRK224	FRK131					
40	FRK229	FRK229	FRK226	FRK223		4, 8x70-A2IS014-586			
42	FRK228	FRK228	FRK225	FRK127				AYPC.F50.0952-01	100x50x1 (100x50x3)
44	FRK227	FRK227	FRK224	FRK128					
46	FRK229	FRK229	FRK226	FRK129					
48	FRK228	FRK228	FRK225	FRK130		4, 8x80-A2IS014-586			
50	FRK227	FRK227	FRK224	FRK131				AYPC.F50.0952-02	100x56x1 (100x56x3)

Data on FRK223-FRK229, FRK127-FRK131 gaskets and AYPC.F50.094, 1-02, AYPC.F50.0952, AYPC.F50.0952-01, AYPC.F50.0952-02 bearing supports is provided in ALT F50SSG, F50HL, F50VL technical catalogue

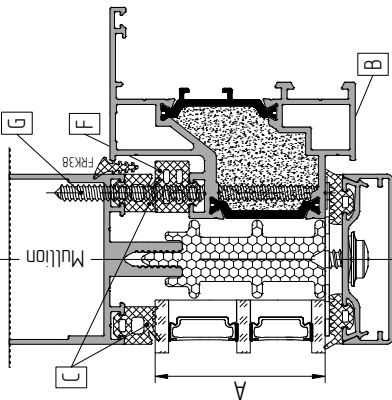
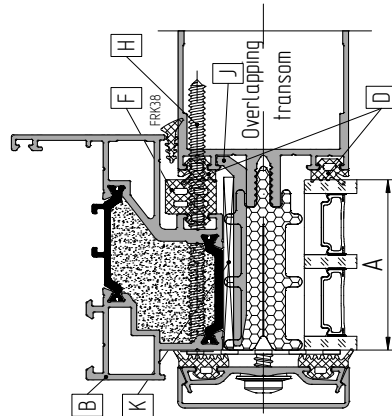
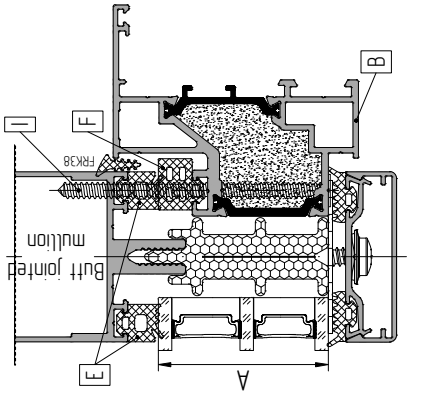






ALT W72CW window units integrated into F50TT facade using special AYPC.W72.3.0161, AYPC.W72.3.0162, AYPC.W72.3.0163, AYPC.W72.3.0164 frame profiles

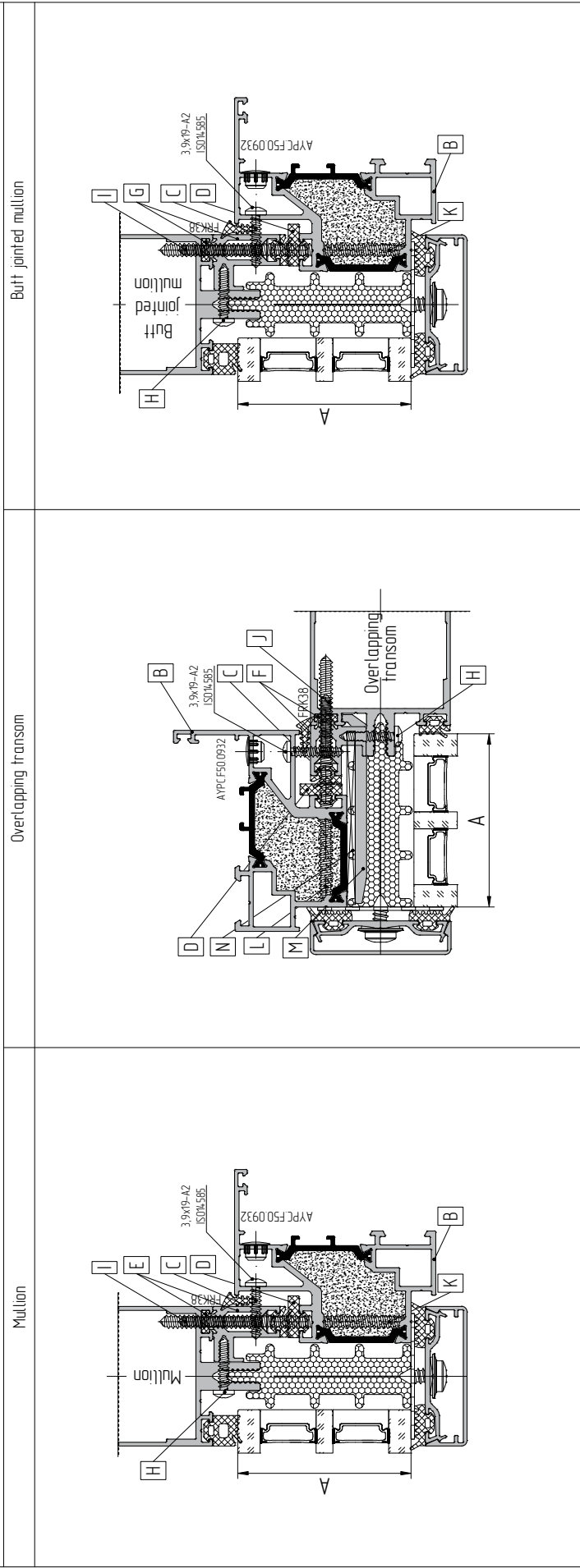
		Mullion		Overlapping transom		Butt jointed mullion				
Glass unit thickness, mm	Frame profile	Gasket		Self-tapping screw		Bearing support	Leveling support			
		on mullion	on overlapping butt jointed transom	on mullion	on overlapping transom			on butt jointed mullion, spacing 450 mm		
A	B	C	D	E	F	G	H	I	J	K
28	AYPC.W72.3.0161 AYPC.W72.3.0162	FRK19	FRK16	FRK19	FRK223	on mullion, spacing 450 mm	4,8x60-AZIS014.586	on butt jointed mullion, spacing 450 mm	AYPC.F50.094.1-01	100x32x1 (100x32x3)
30		FRK18	FRK15	FRK18	FRK127					
32		FRK17	FRK14	FRK17	FRK128					
34		FRK19	FRK16	FRK19	FRK129					
36	AYPC.W72.3.0163 AYPC.W72.3.0164	FRK18	FRK15	FRK18	FRK130	on mullion, spacing 450 mm	4,8x60-AZIS014.586	on butt jointed mullion, spacing 450 mm	AYPC.F50.094.1-02	100x38x1 (100x38x3)
38		FRK17	FRK14	FRK17	FRK131					
40	AYPC.W72.3.0163 AYPC.W72.3.0164	FRK19	FRK16	FRK19	FRK223	on mullion, spacing 450 mm	4,8x70-AZIS014.586	on butt jointed mullion, spacing 450 mm	AYPC.F50.0952	100x44x1 (100x44x3)
42		FRK18	FRK15	FRK18	FRK127					
44		FRK17	FRK14	FRK17	FRK128					
46		FRK19	FRK16	FRK19	FRK129					
48	AYPC.W72.3.0163 AYPC.W72.3.0164	FRK18	FRK15	FRK18	FRK130	on mullion, spacing 450 mm	4,8x80-AZIS014.586	on butt jointed mullion, spacing 450 mm	AYPC.F50.0952-01	100x50x1 (100x50x3)
50		FRK17	FRK14	FRK17	FRK131					



Data on FRK14-FRK19, FRK223 gaskets and AYPC.F50.094.1-01, AYPC.F50.094.1-02, AYPC.F50.0952, AYPC.F50.0952-01 bearing supports is provided in ALT F50TT technical catalogue



ALT W72CW window units integrated into F50TT facade using special AYPC.W72.3.0163, AYPC.W72.3.0164 frame profiles



Infill unit thickness, mm	Adapter profile			Self-tapping screw			Bearing support	Leveling support			
	Frame profile	Gasket	Adapter profile	for adapter profile on overlapping transom, spacing 450 mm	for adapter profile on mullion / on butted jointed mullion, spacing 450 mm	for frame on overlapping transom, spacing 450 mm			for frame on mullion / on butted jointed mullion, spacing 450 mm		
A	B	C	E	F	G	H	J	K	L	M	N
52			AYPC.F50.0736 / FRK199	AYPC.F50.0735 / FRK199	AYPC.F50.0736 / FRK199	AYPC.F50.0736 / FRK199	3.9x19-A2ISO14.586	4.8x80-A2ISO14.586	100x56x1 (100x56x3)	AYPC.F50.0952-02	
54											
56	AYPC.W72.3.0163	FRK14	AYPC.F50.0737 / FRK199	AYPC.F50.0736 / FRK199	AYPC.F50.0737 / FRK199	AYPC.F50.0737 / FRK199	3.9x25-A2ISO14.586	4.8x90-A2ISO14.586	100x62x1 (100x62x3)	AYPC.F50.0952-03	
58	AYPC.W72.3.0164										
60											
62											

Data on FRK14, FRK199 gaskets, AYPC.F50.0735-AYPC.F50.0737 and AYPC.F50.0952-02, AYPC.F50.0952-03 bearing supports is provided in ALT F50TT technical catalogue



ALT W72CW window units integrated into F50TT facade using special AYPC.W72.3.0161, AYPC.W72.3.0162, AYPC.W72.3.0163, AYPC.W72.3.0164 frame profiles										
Mullion			Butt jointed transom			Butt jointed transom used as mullion				
Glass unit thickness, mm	Frame profile	Gasket			Self-tapping screw		on butt jointed transom used as mullion, spacing 450 mm	Bearing support	Leveling support	
		on mullion	on butt jointed transom	on butt jointed transom used as mullion	on mullion, spacing 450 mm	on butt jointed transom, spacing 450 mm				
A	B	C	D	E	F	G	H	I	J	K
28	AYPC.W72.3.0161 AYPC.W72.3.0162	FRK19	FRK19	FRK19	FRK223	4, 8x60-A2S0/4-586	4, 8x60-A2S0/4-586		AYPC.F50.094-1-02	100x38x1 (100x38x3)
30		FRK18	FRK18	FRK18	FRK127					
32		FRK17	FRK17	FRK17	FRK128					
34		FRK19	FRK19	FRK19	FRK129					
36		FRK18	FRK18	FRK18	FRK130					
38	FRK17	FRK17	FRK17	FRK131	4, 8x70-A2S0/4-586	4, 8x70-A2S0/4-586		AYPC.F50.0952	100x44x1 (100x44x3)	
40	FRK19	FRK19	FRK19	FRK223						
42	FRK18	FRK18	FRK18	FRK127						
44	FRK17	FRK17	FRK17	FRK128						
46	FRK19	FRK19	FRK19	FRK129						
48	FRK18	FRK18	FRK18	FRK130	4, 8x80-A2S0/4-586	4, 8x80-A2S0/4-586		AYPC.F50.0952-01	100x50x1 (100x50x3)	
50	FRK17	FRK17	FRK17	FRK131						

Data on FRK17-FRK19, FRK127-FRK131, FRK223 gaskets and AYPC.F50.094-1-02, AYPC.F50.0952, AYPC.F50.0952-01, AYPC.F50.0952-02 bearing supports is provided in ALT F50TT technical catalogue



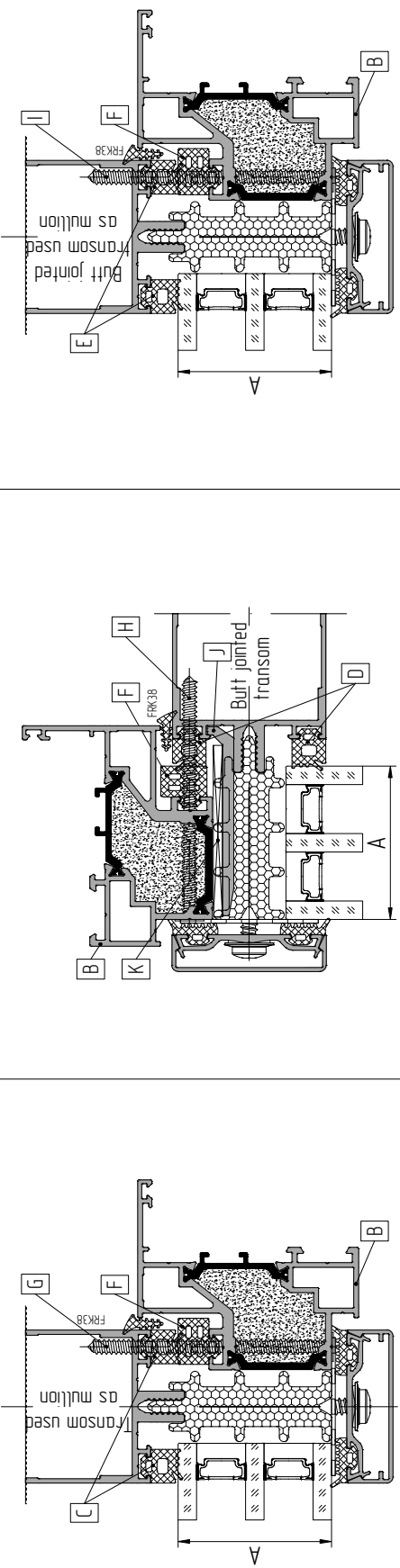
ALT W72CW window units integrated into F50TT facade using special AYPC.W72.3.0163, AYPC.W72.3.0164 frame profiles

Mullion		Butt jointed transom		Butt jointed transom used as mullion									
Infill unit thickness, mm	Frame profile	Gasket		Adapter profile		Self-tapping screw		Bearing support	Leveling support				
		on mullion / on butt jointed transom used as mullion / on butt jointed transom	on frame	on mullion	on butt jointed mullion	on butt jointed transom used as mullion	for adapter profile on mullion / on butt jointed transom used as mullion, spacing 450 mm			for adapter profile on butt jointed mullion, spacing 450 mm	for frame on mullion / on butt jointed transom used as mullion, spacing 450 mm	for frame on butt jointed mullion, spacing 450 mm	
A	B	C	D	E	F	G	H	I	J	K	L	M	N
52													
54													
56	AYPC W72.3.0163		FRK14		AYPC F50.0736 / FRK199		3.9x19-A2ISO14585						100x62x1 (100x62x3)
58	AYPC W72.3.0164		FRK128				3.9x19-A2ISO14585						100x68x1 (100x68x3)
60													
62													

Data on FRK14, FRK128, FRK199 gaskets, AYPC.F50.0736-A YPC.F50.0737 and AYPC.F50.0952-03, AYPC.F50.0952-04 bearing supports is provided in ALT F50TT technical catalogue



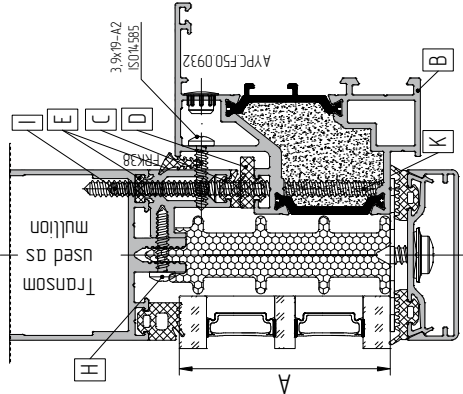
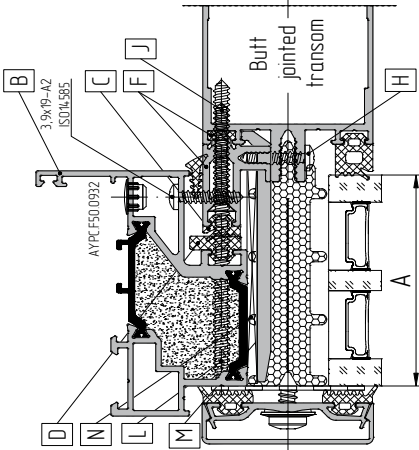
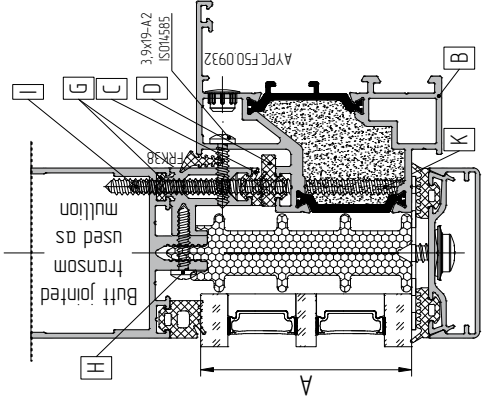
ALT W72CW window units integrated into F50TT facade using special AYPC.W72.3.0161, AYPC.W72.3.0162, AYPC.W72.3.0163, AYPC.W72.3.0164 frame profiles											
Transom used as mullion			Butt jointed transom			Butt jointed transom used as mullion			Butt jointed transom used as mullion		
Glass unit thickness, mm	Frame profile	Gasket			Self-tapping screw		Bearing support	Leveling support	on butt jointed transom used as mullion, spacing 450 mm	on butt jointed transom, spacing 450 mm	on frame
		on transom used as mullion	on butt jointed transom	on butt jointed transom used as mullion	on transom used as mullion, spacing 450 mm	on butt jointed transom, spacing 450 mm					
A	B	C	D	E	F	G	H	I	J	K	
28	AYPC.W72.3.0161 AYPC.W72.3.0162	FRK19	FRK19	FRK19	FRK223	4,8x60-A2IS014586	4,8x60-A2IS014586	100x38x1 (100x38x3)	AYPC.F50.0941-02	100x44x1 (100x44x3)	100x56x1 (100x56x3)
30		FRK18	FRK18	FRK18	FRK127						
32		FRK17	FRK17	FRK17	FRK128						
34		FRK19	FRK19	FRK19	FRK129						
36	AYPC.W72.3.0163 AYPC.W72.3.0164	FRK18	FRK18	FRK18	FRK130	4,8x70-A2IS014586	4,8x70-A2IS014586	100x50x1 (100x50x3)	AYPC.F50.0952-01	100x56x1 (100x56x3)	
38		FRK17	FRK17	FRK17	FRK131						
40	AYPC.W72.3.0163 AYPC.W72.3.0164	FRK19	FRK19	FRK19	FRK223	4,8x80-A2IS014586	4,8x80-A2IS014586	100x50x1 (100x50x3)	AYPC.F50.0952-02	100x56x1 (100x56x3)	
42		FRK18	FRK18	FRK18	FRK127						
44		FRK17	FRK17	FRK17	FRK128						
46		FRK19	FRK19	FRK19	FRK129						
48	AYPC.W72.3.0163 AYPC.W72.3.0164	FRK18	FRK18	FRK18	FRK130	4,8x80-A2IS014586	4,8x80-A2IS014586	100x50x1 (100x50x3)	AYPC.F50.0952-02	100x56x1 (100x56x3)	
50		FRK17	FRK17	FRK17	FRK131						



Data on FRK17-FRK19, FRK127-FRK131, FRK223 gaskets and AYPC.F50.094.1-02, AYPC.F50.0952, AYPC.F50.0952-01, AYPC.F50.0952-02 bearing supports is provided in ALT F50TT technical catalogue



ALT W72CW window units integrated into F50TT facade using special AYPC.W72.3.0163, AYPC.W72.3.164 frame profiles

Transom used as mullion		Butt jointed transom		Butt jointed transom used as mullion										
														
Infill unit thickness, mm	Frame profile	Gasket		Adapter profile		Self-tapping screw		Bearing support	Leveling support					
		on transom used as mullion / on butt jointed transom / on butt jointed transom used as mullion	on frame	on transom used as mullion	on butt jointed transom	on butt jointed transom used as mullion	for adapter profile on butt jointed mullion, spacing 450 mm			for frame on transom used as mullion / on butt jointed transom used as mullion, spacing 450 mm	for frame on butt jointed mullion, spacing 450 mm			
A	B	C	D	E	F	G	H	I	J	K	L	M	N	
52					AYPC.F50.0736 / FRK199		3.9x19-A2/ISO14585		3.9x25-A2/ISO14586		4, 8x80-A2/ISO14586		AYPC.F50.0952-03	100x62x1 (100x62x3)
54														
56	AYPC.W72.3.0163	FRK14	FRK128											
58	AYPC.W72.3.0164				AYPC.F50.0737 / FRK199		3.9x19-A2/ISO14585		3.9x32-A2/ISO14586		4, 8x90-A2/ISO14586		AYPC.F50.0952-04	100x68x1 (100x68x3)
60														
62														

Data on FRK14, FRK128, FRK199 gaskets, AYPC.F50.0736-A YPC.F50.0737 and AYPC.F50.0952-03, AYPC.F50.0952-04, bearing supports is provided in ALT F50TT technical catalogue





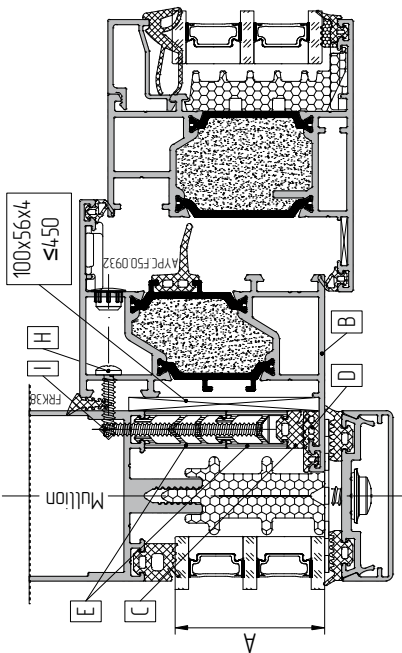
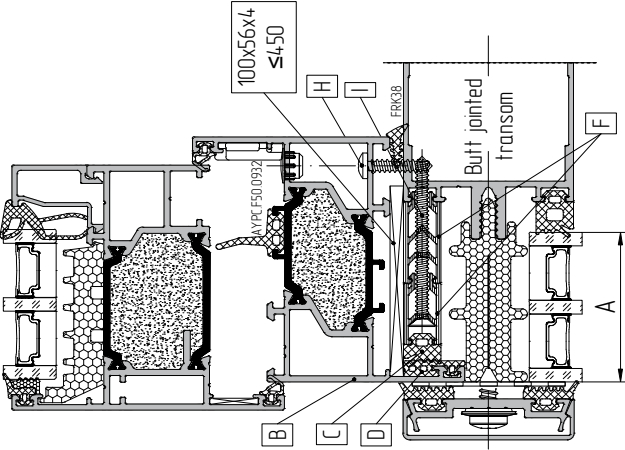
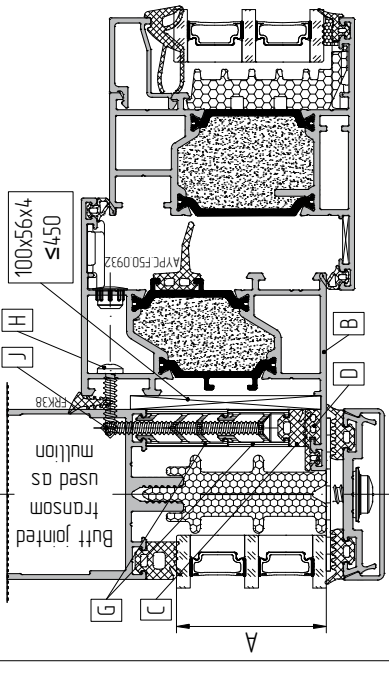
ALT W72CW window units integrated into F50TT facade using transom bar profiles as frame

Glass unit thickness, mm	Mullion		Overlapping transom		Butt jointed mullion		Self-lapping screw				
	Frame profile	Gasket	on mullion / overlapping transom / butt jointed mullion	on overlapping transom	on butt jointed mullion	on mullion / overlapping transom / butt jointed mullion, spacing 450 mm	on spacer profile of overlapping transom, spacing 450 mm	on spacer profile of mullion / butt jointed mullion, spacing 450 mm			
A	B	C	E	F	G	H	I	J			
22	AYPC W72.0339 AYPC W72.0339 AYPC W72.0340 AYPC W72.0340 AYPC W72.0341	FRK15           FRK159	AYPC F50.0902-01	AYPC F50.0901-01	AYPC F50.0902-01	3,9x19-A2I5014585	3,9x25-A2I5014586	3,9x32-A2I5014586			
24			AYPC F50.0902-01	AYPC F50.0902-01	AYPC F50.0903-01	AYPC F50.0902-01	3,9x19-A2I5014585	3,9x32-A2I5014586	3,9x38-A2I5014586		
26			AYPC F50.0903-01	AYPC F50.0903-01	2 x AYPC F50.0901-01	AYPC F50.0903-01	3,9x19-A2I5014585	3,9x38-A2I5014586	3,9x45-A2I5014586		
28			2 x AYPC F50.0901-01	AYPC F50.0901-01	AYPC F50.0901-01 + AYPC F50.0902-01	AYPC F50.0903-01	3,9x19-A2I5014585	3,9x38-A2I5014586	3,9x50-A2I5014586		
30											
32											
34											
36											
38											
40											
42											
44											

Data on FRK15, FRK159 gasket and AYPC F50.0901-01...AYPC F50.0903-01 spacer profiles is provided in ALT F50TT technical catalogue



ALT W72CW window units integrated into F50TT facade using transom bar profiles as frame

Mullion		Butt jointed transom		Butt jointed transom used as mullion	
					
Frame profile	Gasket	Spacer profile / Gasket	Self-tapping screw		
A	on mullion/ butt jointed transom/ butt jointed transom used as mullion	on mullion	on spacer profile of mullion / butt jointed transom, spacing 4,50 mm	on mullion / butt jointed transom/ butt jointed transom used as mullion, spacing 4,50 mm	on spacer profile of butt jointed transom used as mullion, spacing 4,50 mm
22	C	E	I	H	J
24		F			
26		G			
28					
30	FRK15	AYPC F50.0902-01			3,9x32-A2IS014586
32		AYPC F50.0903-01			3,9x38-A2IS014586
34		2 x AYPC F50.0901-01			3,9x45-A2IS014586
36		AYPC F50.0902-01 + AYPC F50.0901-01			3,9x50-A2IS014586
38					
40					
42					
44					

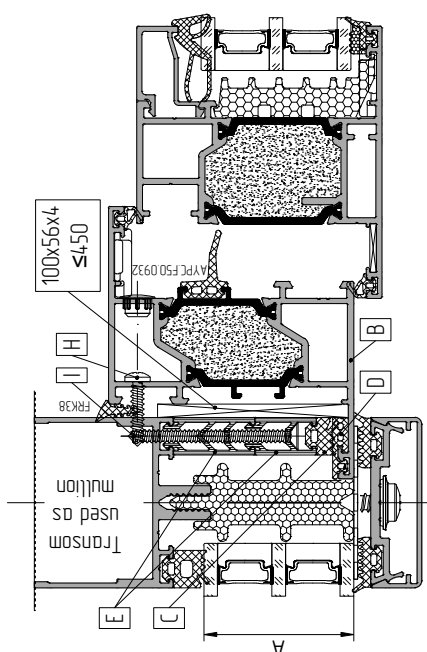
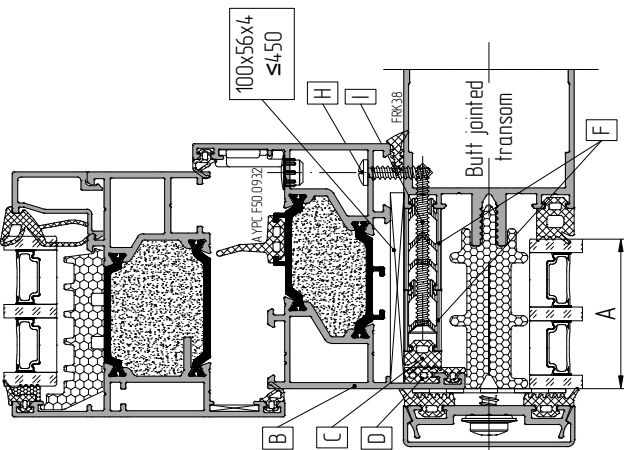
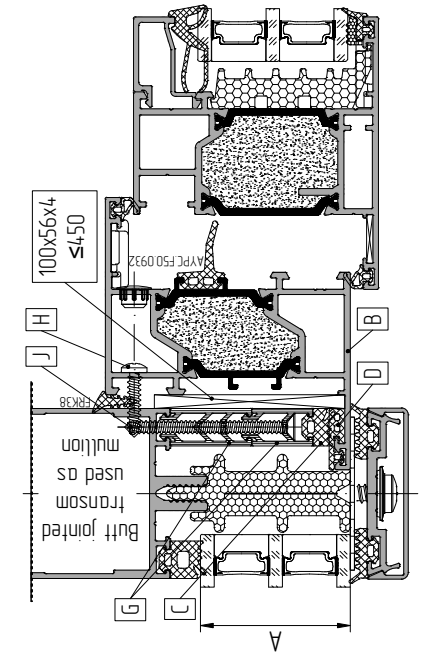
Data on FRK15, FRK159 gasket and AYPC F50.0901-01..AYPC F50.0903-01 spacer profiles is provided in ALT F50TT technical catalogue





ALT W72CW window units integrated into F50TT facade using transom bar profiles as frame

Transom used as mullion		Butt jointed transom		Butt jointed transom used as mullion	
Glass unit thickness, mm	Frame profile	on transom used as mullion/ on butt jointed transom/ on butt jointed transom used as mullion	on frame	on transom used as mullion/ on butt jointed transom used as mullion	on spacer profile of transom used as mullion / butt jointed transom, spacing 450 mm
	A	B	D	E	H
	22	AYPLW72.0339		AYPCF50.0902-01	3,9x32-A2IS014.586
	24	AYPCW72.3.0339			
	26	AYPLW72.0340		AYPCF50.0903-01	3,9x38-A2IS014.586
	28	AYPCW72.3.0340	FRK15		
	30	AYPLW72.0341	FRK159	2 x AYPCF50.0901-01	3,9x45-A2IS014.586
	32				
	34				
	36				
38					
40					
42					
44					

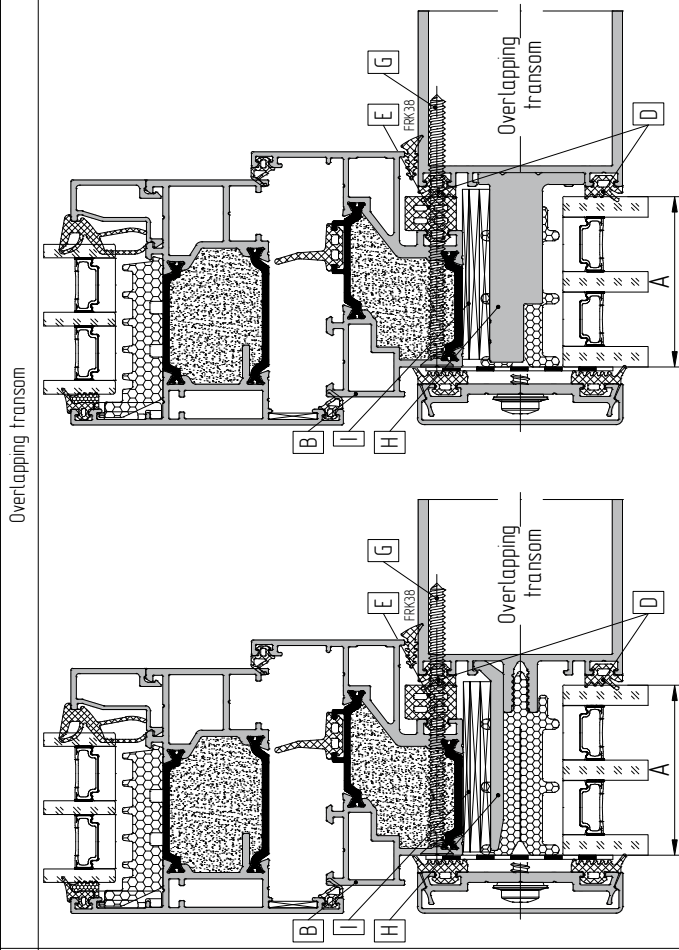


Data on FRK15, FRK159 gasket and AYPCF50.0903-01 spacer profiles is provided in ALT F50TT technical catalogue



ALT W72CW window units integrated into F60 facade using special AYPC.W72.3.0161, AYPC.W72.3.0162, AYPC.W72.3.0163, AYPC.W72.3.0164 frame profiles

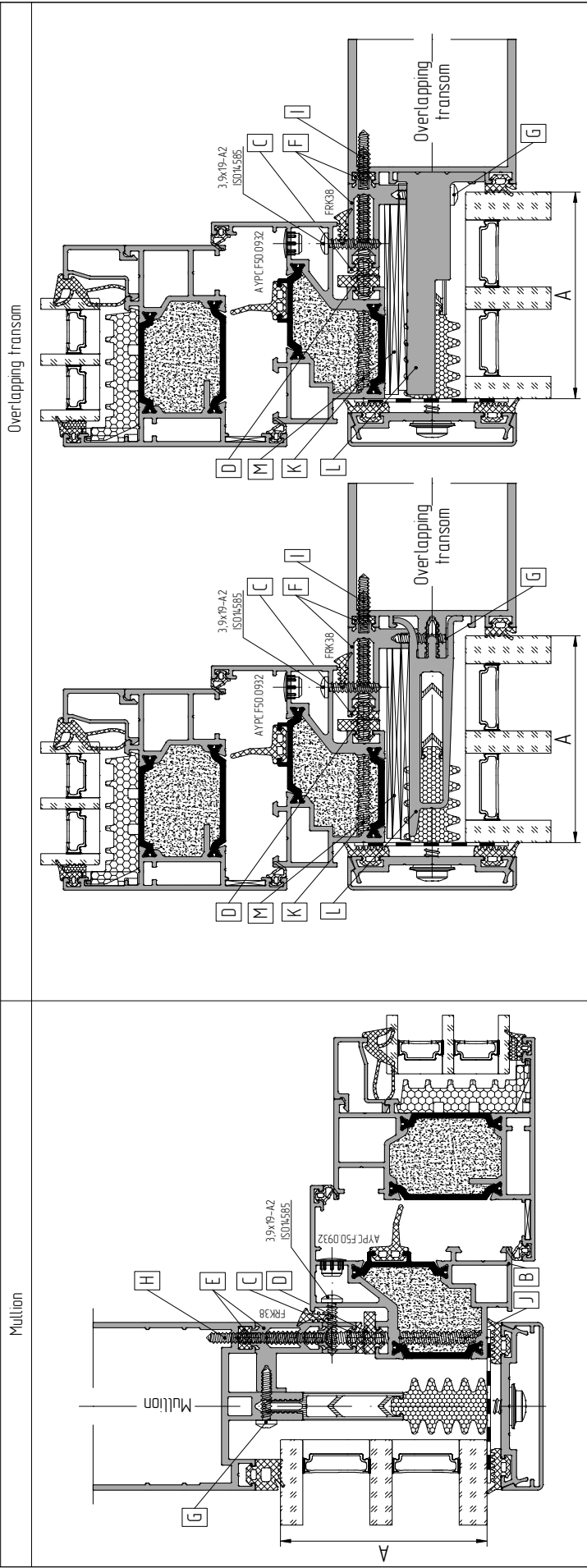
Glass unit thickness, mm	Frame profile	Gasket		Self-tapping screw		Bearing support	Leveling support
		on mullion	on overlapping transom	on frame	on overlapping transom		
A	B	C	D	E	F	H	I
28	AYPC.W72.3.0161 AYPC.W72.3.0162	FRK19	FRK16	FRK223	4,8x60-A2/S014.586	AYPC.F50.0941-01 AYPC.F50.9971	100x32x2 + 100x32x3 + 100x32x3
30		FRK18	FRK15	FRK127			
32		FRK17	FRK14	FRK128			
34		FRK19	FRK16	FRK129			
36		FRK18	FRK15	FRK130			
38		FRK17	FRK14	FRK131	4,8x70-A2/S014.586	AYPC.F50.0941-02 AYPC.F50.9972 AYPC.F60.9961-07	100x38x2 + 100x38x3 + 100x38x3
40		FRK19	FRK16	FRK223			
42		FRK18	FRK15	FRK127			
44	AYPC.W72.3.0163 AYPC.W72.3.0164	FRK17	FRK14	FRK128	4,8x70-A2/S014.586	AYPC.F50.0952 AYPC.F50.9973 AYPC.F60.9961-06	100x44x2 + 100x44x3 + 100x44x3
46		FRK19	FRK16	FRK129			
48		FRK18	FRK15	FRK130			
50		FRK17	FRK14	FRK131	4,8x80-A2/S014.586	AYPC.F50.0952-01 AYPC.F50.9974 AYPC.F60.9961-05	100x50x2 + 100x50x3 + 100x50x3



Data on FRK14-FRK19, FRK127-FRK131, FRK223 gaskets and AYPC.F50.0941-01, AYPC.F50.0941-02, AYPC.F50.9971-AYPC.F50.9974, AYPC.F60.9961-05-AYPC.F60.9961-07, AYPC.F50.0952, AYPC.F50.0952-01 bearing supports is provided in ALT F50 / F60 technical catalogue



ALT W72CW window units integrated into ALT F60 facade using special AYP.C.W72.3.0163, AYP.C.W72.3.0164 frame profiles



Infill unit thickness, mm	Frame profile	Gasket		Adapter profile		Self-tapping screw				Bearing support	Leveling support	
		on mullion / on overlapping transom	on frame	on mullion	on overlapping transom	for adapter profile on overlapping transom, 450 mm spacing	for adapter profile on mullion, 450 mm spacing	for frame on overlapping transom, 450 mm spacing	for frame on mullion, 450 mm spacing			
A	B	C	D	E	F	G	H	I	J	K	L	M
52				AYPC F60.0736 / FRK200	AYPC F60.0735 / FRK199		3,9x19-A2 IS014586	3,9x19-A2 IS014586	4, 8x80-A2 IS014586		AYPC F50.0952-02 AYPC F50.9975 AYPC F60.9961-04	100x50x2 + 100x50x3 + 100x56x3
54												
56												
58												
60	AYPC W72.3.0163		FRK128	AYPC F60.0737 / FRK200	AYPC F60.0736 / FRK199	3,9x19-A2 IS014585	3,9x32-A2 IS014586	3,9x25-A2 IS014586	4, 8x90-A2 IS014586		AYPC F50.0952-03 AYPC F50.9976 AYPC F60.9961-03	100x56x2 + 100x56x3 + 100x62x3
62												
64	AYPC W72.3.0164			AYPC F60.0738 / FRK200	AYPC F60.0737 / FRK199		3,9x38-A2 IS014586	3,9x32-A2 IS014586	4, 8x90-A2 IS014586		AYPC F50.0952-04 AYPC F50.9977 AYPC F60.9961-02	100x62x2 + 100x62x3 + 100x68x3
66												
68												
70												
72				AYPC F60.0737 + AYPC F50.0702 / FRK200	AYPC F60.0738 / FRK199		3,9x45-A2 IS014586	3,9x38-A2 IS014586	4, 8x90-A2 IS014586		AYPC F50.9978 AYPC F60.9961-01	100x62x2 + 100x62x3 + 100x74x3
74												

Data on FRK14, FRK128, FRK199, FRK200 gaskets, AYP.C.F50.0735-AYP.C.F50.0738 and bearing supports is provided in ALT F50 technical catalogue

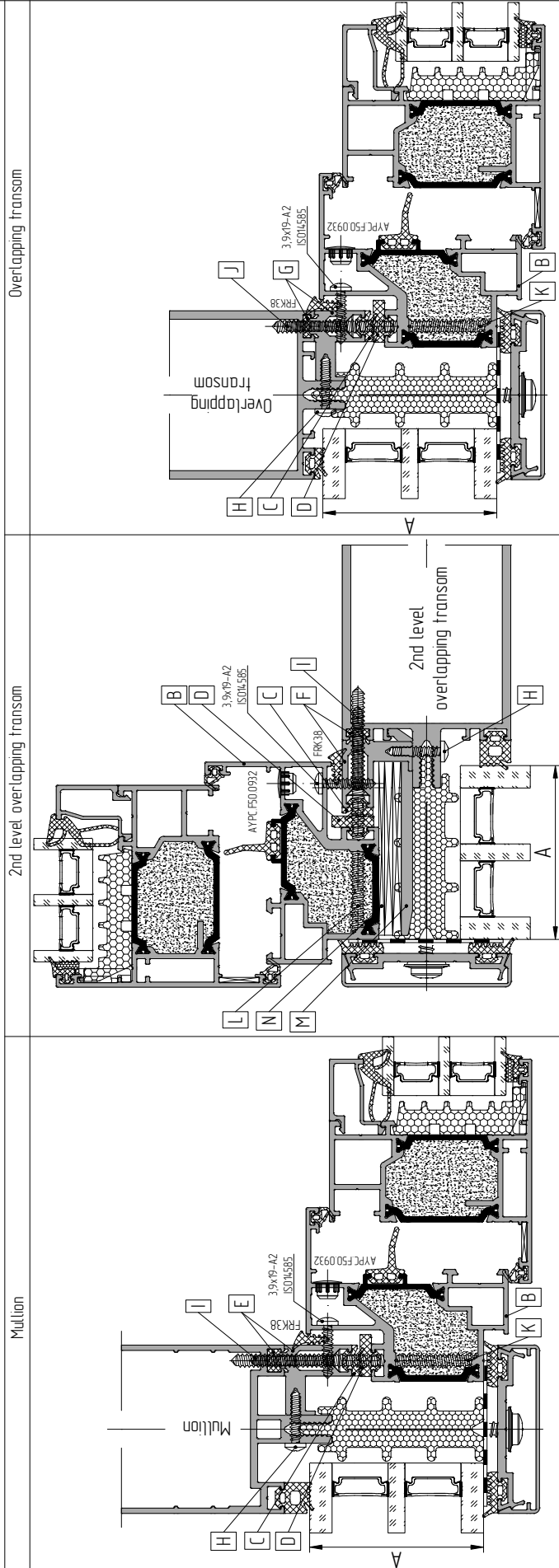


ALT W72CW window units integrated into F60 facade using special AYPC.W72.3.0161, AYPC.W72.3.0162, AYPC.W72.3.0163, AYPC.W72.3.0164 frame profiles											
Mullion			2nd level overlapping transom			Overlapping transom					
Glass unit thickness, mm	Frame profile	Gasket			Self-tapping screw		Bearing support	Leveling support			
		on mullion	on overlapping transom	on frame	on 2nd level overlapping transom, spacing 450 mm	on overlapping transom, spacing 450 mm					
A	B	C	D	E	F	G	H	I	J	K	
28		FRK19	FRK19	FRK16	FRK223						
30		FRK18	FRK18	FRK15	FRK127		4, 8x60-A2IS014,586		AYPC.F50.094.1-02		100x38x2 + 100x38x3 + 100x38x3
32	AYPC.W72.3.0161 AYPC.W72.3.0162	FRK17	FRK17	FRK14	FRK128						
34		FRK19	FRK19	FRK16	FRK129		4, 8x70-A2IS014,586		AYPC.F50.0952		100x44x2 + 100x44x3 + 100x44x3
36		FRK18	FRK18	FRK15	FRK130						
38		FRK17	FRK17	FRK14	FRK131						
40		FRK19	FRK19	FRK16	FRK223		4, 8x70-A2IS014,586		AYPC.F50.0952-01		100x50x2 + 100x50x3 + 100x50x3
42		FRK18	FRK18	FRK15	FRK127						
44	AYPC.W72.3.0163 AYPC.W72.3.0164	FRK17	FRK17	FRK14	FRK128						
46		FRK19	FRK19	FRK16	FRK129						
48		FRK18	FRK18	FRK15	FRK130						
50		FRK17	FRK17	FRK14	FRK131		4, 8x80-A2IS014,586		AYPC.F50.0952-02		100x56x2 + 100x56x3 + 100x56x3

Data on FRK14-FRK19, FRK127-FRK131, FRK223 gaskets and AYPC.F50.094.1-02, AYPC.F50.0952, AYPC.F50.0952-01, AYPC.F50.0952-02 bearing supports is provided in ALT F50 / F60 technical catalogue



ALT W72CW window units integrated into ALT F60 facade using special AYPC.W72.3.0163, AYPC.W72.3.0164 frame profile



Infill unit thickness, mm	Gasket		Adapter profile		Self-tapping screw			Bearing support	Leveling support			
	on mullion / on 2nd level overlapping transom / on overlapping transom	on frame	on 2nd level overlapping transom	on overlapping transom	for adapter profile on mullion / on 2nd level overlapping transom, 450 mm spacing	for adapter profile on overlapping transom, 450 mm spacing	for frame on mullion / on 2nd level overlapping transom, 450 mm spacing			for frame on overlapping transom, 450 mm spacing		
A	C	D	E	F	G	H	I	J	K	L	M	N
52			AYPC F60.0736 / FRK200	AYPC F60.0736 / FRK199	AYPC F60.0735 / FRK199		3.9x25-A2ISO14586	3.9x19-A2ISO14586			AYPC F50.0952-03	100x56x2 + 100x56x3 + 100x62x3
54												
56	FRK14	FRK128				3.9x19-A2 ISO14585						
58			AYPC F60.0737 / FRK200	AYPC F60.0737 / FRK199	AYPC F60.0736 / FRK199		3.9x32-A2ISO14586	3.9x25-A2ISO14586			AYPC F50.0952-04	100x62x2 + 100x62x3 + 100x68x3
60												
62												

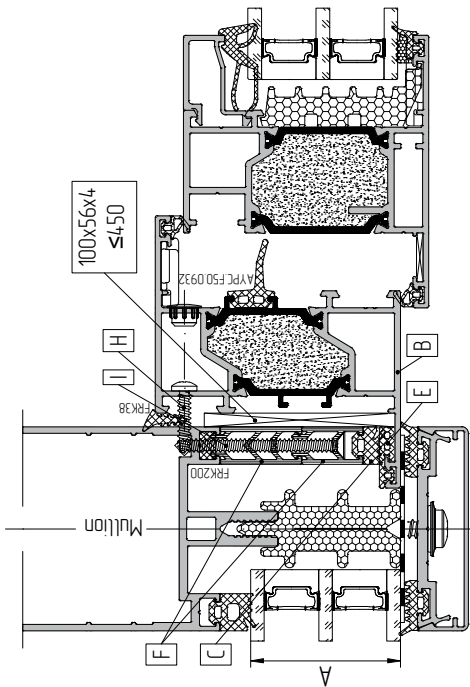
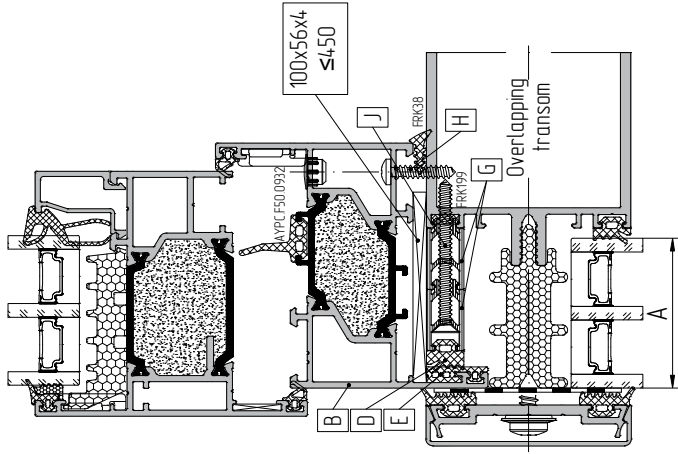
Data on FRK14, FRK128, FRK199, FRK200 gaskets, AYPC.F50.0735-AYPC.F50.0737 and AYPC.F50.0952-02, AYPC.F50.0952-03 bearing supports is provided in ALT F50 technical catalogue





ALT W72CW window units integrated into F60 facade using transom bar profiles as frame

Glass unit thickness, mm	Frame profile	Gasket		Spacer profile / Gasket		Self-tapping screw			
		on mullion	on overlapping transom	on frame	on overlapping transom	on mullion/overlapping transom, spacing 450 mm	on spacer profile of mullion, spacing 450 mm	on spacer profile of overlapping transom, spacing 450 mm	
A	B	C	D	E	F	G	H	I	J
22	A YPC W72.0339 A YPC W72.3.0339 A YPC W72.0340 A YPC W72.3.0340 A YPC W72.3.0341	FRK15	FRK15	FRK159	AYPC F50.0902-01 / FRK200	AYPC F50.0901-01 / FRK199	3,9x19-A2IS014585	3,9x32-A2IS014586	3,9x25-A2IS014586
24							3,9x19-A2IS014585	3,9x32-A2IS014586	3,9x25-A2IS014586
26							3,9x19-A2IS014585	3,9x32-A2IS014586	3,9x25-A2IS014586
28							3,9x19-A2IS014585	3,9x32-A2IS014586	3,9x25-A2IS014586
30							3,9x19-A2IS014585	3,9x32-A2IS014586	3,9x25-A2IS014586
32							3,9x19-A2IS014585	3,9x32-A2IS014586	3,9x25-A2IS014586
34							3,9x19-A2IS014585	3,9x32-A2IS014586	3,9x25-A2IS014586
36							3,9x19-A2IS014585	3,9x32-A2IS014586	3,9x25-A2IS014586
38							3,9x19-A2IS014585	3,9x32-A2IS014586	3,9x25-A2IS014586
40							3,9x19-A2IS014585	3,9x32-A2IS014586	3,9x25-A2IS014586
42	2 x AYPC F50.0901-01 + AYPC F50.0902-01 / FRK200	2 x AYPC F50.0901-01 / FRK199	2 x AYPC F50.0901-01 / FRK199	3,9x19-A2IS014585	3,9x50-A2IS014586	3,9x45-A2IS014586	3,9x50-A2IS014586	3,9x45-A2IS014586	
44									



Data on FRK15, FRK159, FRK199-FRK200 gaskets and AYPC F50.0901-01 ... AYPC F50.0903-01 spacer profiles is provided in ALT F50 / F60 technical catalogue



ALT W72CW window units integrated into F60 facade using transom bar profiles as frame

Mullion		2nd level overlapping transom		Overlapping transom							
Glass unit thickness, mm	Frame profile	Gasket		Spacer profile / Gasket		Self-tapping screw					
		on mullion/ on 2nd level overlapping transom/ on overlapping transom	on frame	on 2nd level overlapping transom	on overlapping transom	on mullion/ 2nd level overlapping transom, spacing 450 mm	on spacer profile of overlapping transom, spacing 450 mm				
A	B	C	D	E	F	G	J				
22	AYPC W72.0339 AYPC W72.3.0339 AYPC W72.0340 AYPC W72.3.0340 AYPC W72.3.0341	FRK15	FRK159	AYPC F50.0902-01 / FRK200	AYPC F50.0902-01 / FRK199	AYPC F50.0901-01 / FRK199	3,9x32-A2IS014586	3,9x25-A2IS014586			
24				AYPC F50.0903-01 / FRK200	AYPC F50.0903-01 / FRK199	AYPC F50.0902-01 / FRK199	3,9x19-A2IS014585	3,9x32-A2IS014586	3,9x25-A2IS014586		
26				2 x AYPC F50.0901-01 / FRK200	2 x AYPC F50.0901-01 / FRK199	AYPC F50.0903-01 / FRK199	AYPC F50.0903-01 / FRK199	3,9x19-A2IS014585	3,9x32-A2IS014586	3,9x25-A2IS014586	
28						AYPC F50.0901-01 / FRK200	AYPC F50.0901-01 / FRK199	AYPC F50.0902-01 / FRK199	3,9x19-A2IS014585	3,9x32-A2IS014586	3,9x25-A2IS014586
30				AYPC F50.0901-01 + AYPC F50.0902-01 / FRK200	AYPC F50.0901-01 + AYPC F50.0902-01 / FRK199	2 x AYPC F50.0901-01 / FRK199	AYPC F50.0901-01 / FRK200	AYPC F50.0901-01 / FRK199	AYPC F50.0903-01 / FRK199	3,9x45-A2IS014586	3,9x38-A2IS014586
32							AYPC F50.0901-01 + AYPC F50.0902-01 / FRK200	AYPC F50.0901-01 + AYPC F50.0902-01 / FRK199	2 x AYPC F50.0901-01 / FRK199	3,9x19-A2IS014585	3,9x45-A2IS014586
34				AYPC F50.0901-01 + AYPC F50.0902-01 / FRK200	AYPC F50.0901-01 + AYPC F50.0902-01 / FRK199	2 x AYPC F50.0901-01 / FRK199	AYPC F50.0901-01 / FRK200	AYPC F50.0901-01 / FRK199	AYPC F50.0903-01 / FRK199	3,9x50-A2IS014586	3,9x45-A2IS014586
36							AYPC F50.0901-01 + AYPC F50.0902-01 / FRK200	AYPC F50.0901-01 + AYPC F50.0902-01 / FRK199	2 x AYPC F50.0901-01 / FRK199	3,9x19-A2IS014585	3,9x50-A2IS014586
38				AYPC F50.0901-01 + AYPC F50.0902-01 / FRK200	AYPC F50.0901-01 + AYPC F50.0902-01 / FRK199	2 x AYPC F50.0901-01 / FRK199	AYPC F50.0901-01 / FRK200	AYPC F50.0901-01 / FRK199	AYPC F50.0903-01 / FRK199	3,9x50-A2IS014586	3,9x45-A2IS014586
40							AYPC F50.0901-01 + AYPC F50.0902-01 / FRK200	AYPC F50.0901-01 + AYPC F50.0902-01 / FRK199	2 x AYPC F50.0901-01 / FRK199	3,9x19-A2IS014585	3,9x50-A2IS014586
42	AYPC F50.0901-01 + AYPC F50.0902-01 / FRK200	AYPC F50.0901-01 + AYPC F50.0902-01 / FRK199	2 x AYPC F50.0901-01 / FRK199	AYPC F50.0901-01 / FRK200	AYPC F50.0901-01 / FRK199	AYPC F50.0903-01 / FRK199	3,9x50-A2IS014586	3,9x45-A2IS014586			
44				AYPC F50.0901-01 + AYPC F50.0902-01 / FRK200	AYPC F50.0901-01 + AYPC F50.0902-01 / FRK199	2 x AYPC F50.0901-01 / FRK199	3,9x19-A2IS014585	3,9x50-A2IS014586	3,9x45-A2IS014586		

Data on FRK15, FRK159, FRK199-FRK200 gasket and AYPC F50.0901-01 ... AYPC F50.0903-01 spacer profiles is provided in ALT F50 / F60 technical catalogue





**ALUTECH ALTW72 CW**  
Window system with  
thermal break

# SECTIONS AND JUNCTIONS

01

02

03

04

05

06

07

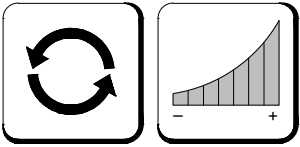
08

09

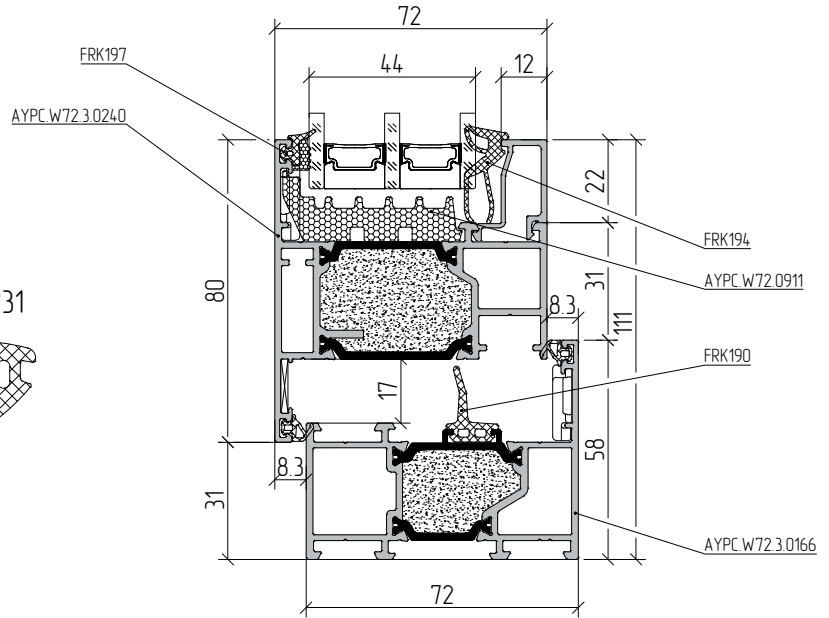
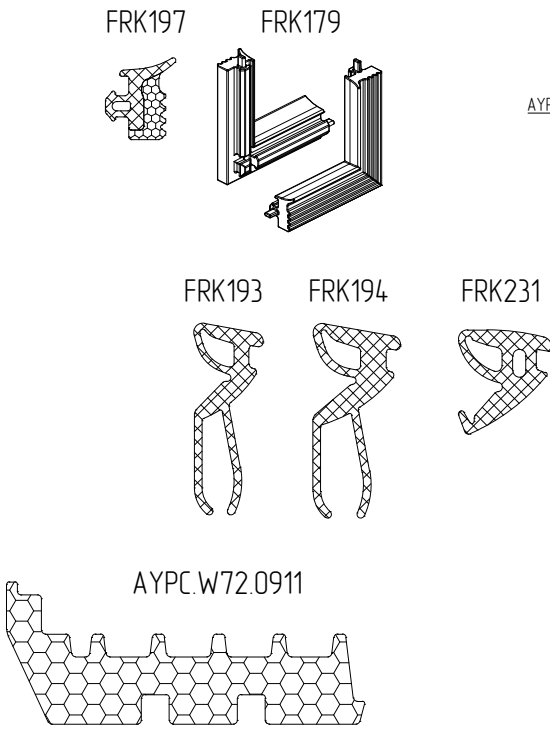
10



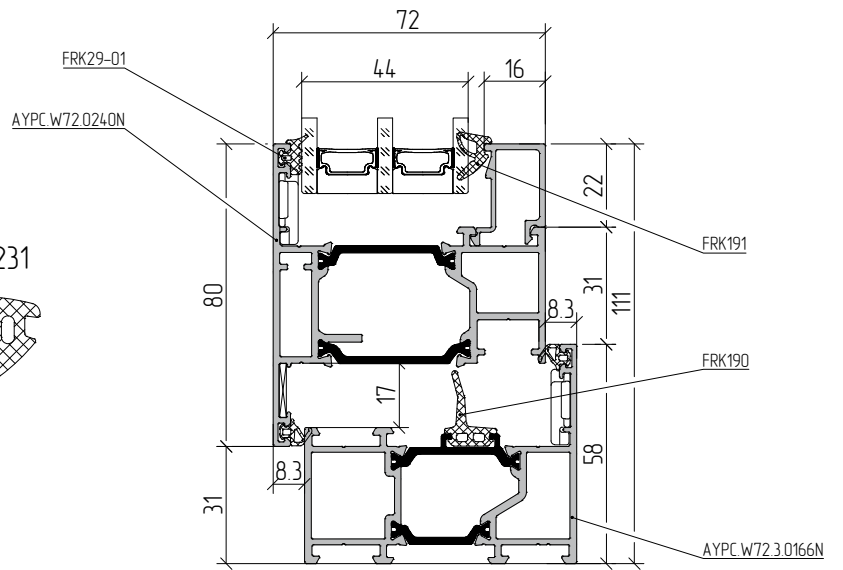
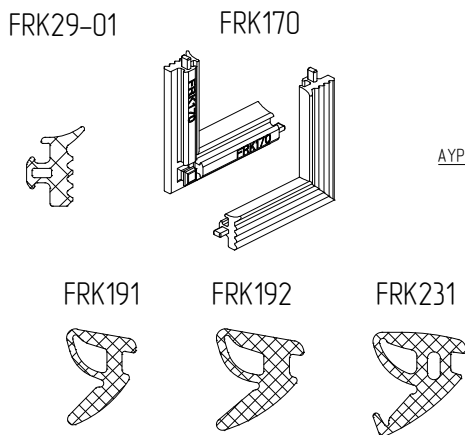




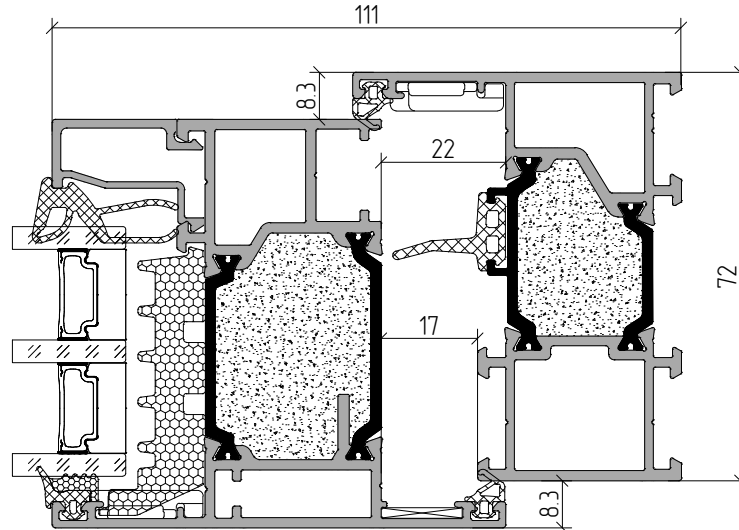
Option 1



Option 2

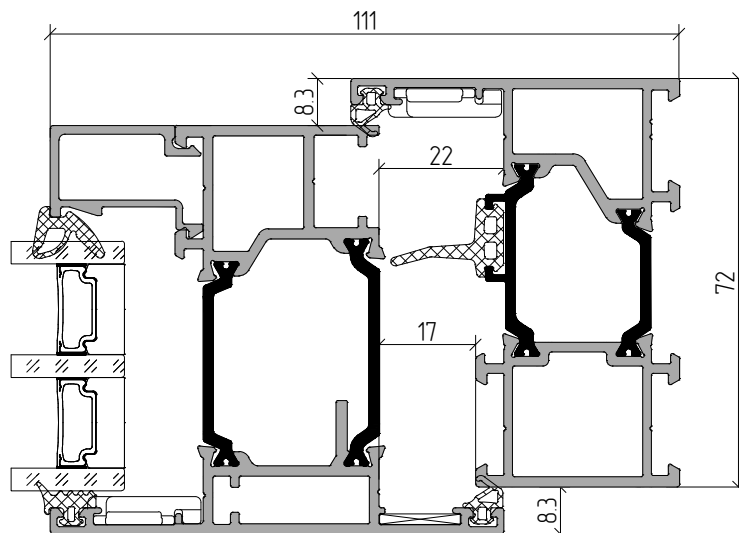


Thermal performance calculation results of the thermal performance calculation of AYPC.W72CW profiles with Flixo pro 8 (8.0.920.1) kit with foamed inserts in the area under the glass unit and inside the profile.  
Option 1. junction: AYPC.W72.3.0166 frame profile / AYPC.W72.3.0240 sash profile

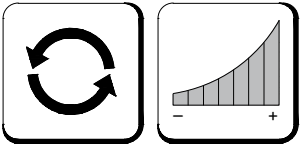


$$U_{fA,B} = \frac{\frac{\Phi}{\Delta T} - U_p \cdot b_p}{b_f} = \frac{\frac{7,533}{20} - 0,701 \cdot 0,237}{0,111} = 1,90 \text{ W}/(\text{m}^2 \cdot \text{K})$$

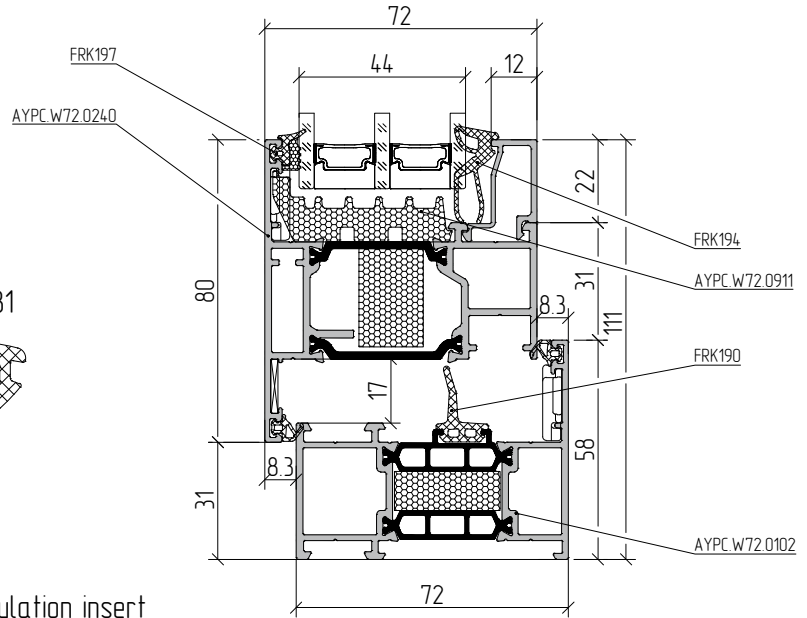
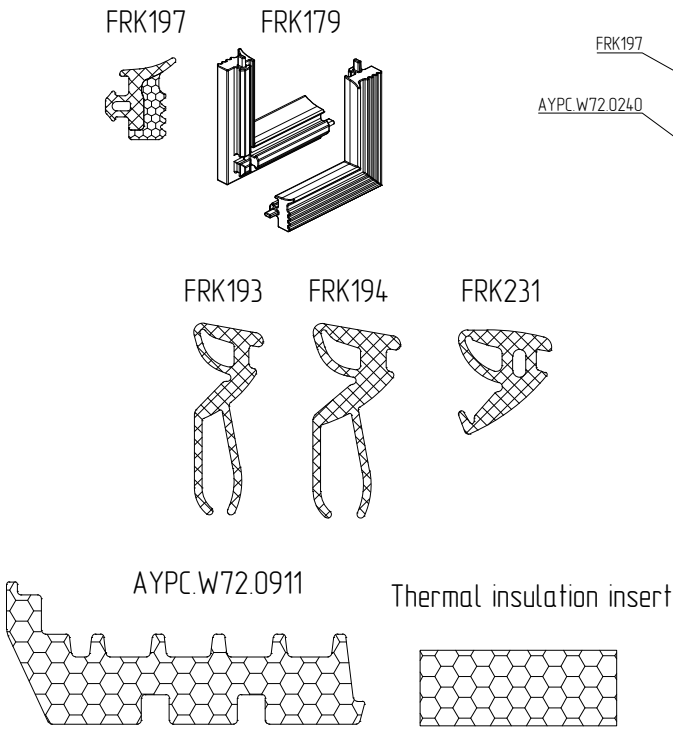
Thermal performance calculation results of the thermal performance calculation of AYPC.W72CW profiles with Flixo pro 8 (8.0.920.1) kit without foamed inserts in the area under the glass unit and inside of the profile.  
Option 2. junction: AYPC.W72.3.0166N frame profile / AYPC.W72.0240N sash profile



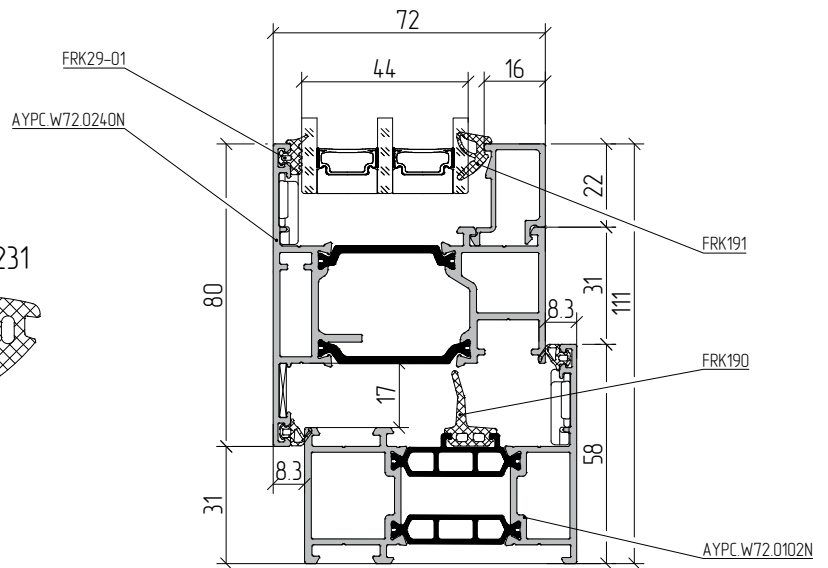
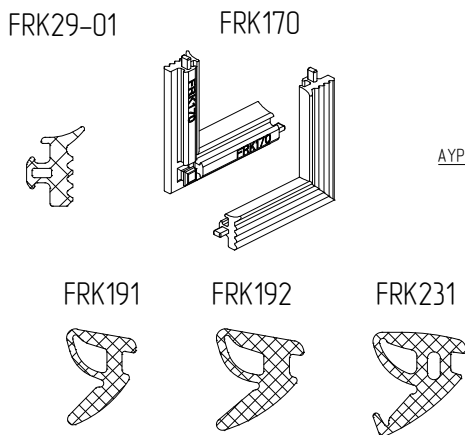
$$U_{fA,B} = \frac{\frac{\Phi}{\Delta T} - U_p \cdot b_p}{b_f} = \frac{\frac{9,490}{20} - 0,701 \cdot 0,237}{0,111} = 2,78 \text{ W}/(\text{m}^2 \cdot \text{K})$$



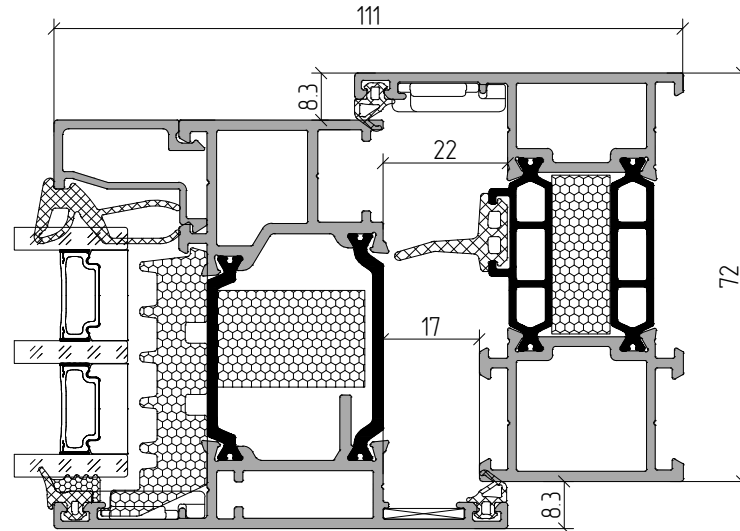
Option 3



Option 4

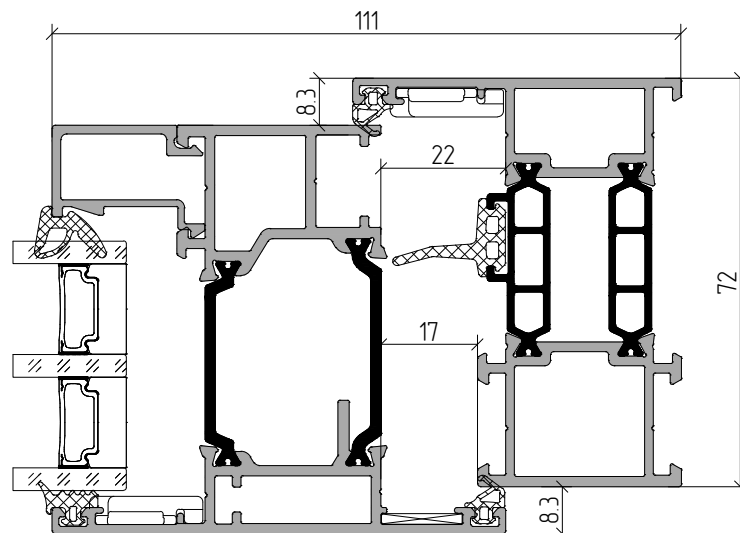


Thermal performance calculation results of the thermal performance calculation of AYPC.W72CW profiles with Flixo pro 8 (8.0.920.1) kit with foamed inserts in the area under the glass unit and inside the profile.  
Option 3. junction: AYPC.W72.0102 frame profile / AYPC.W72.0240 sash profile

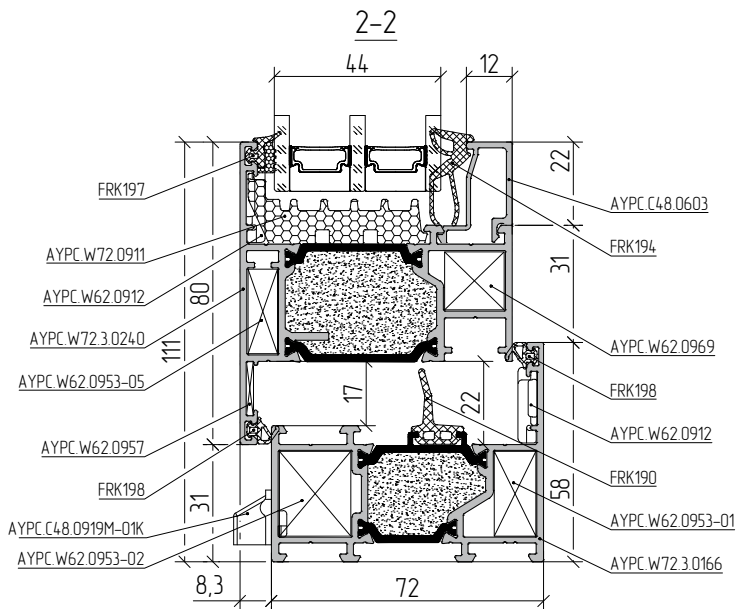
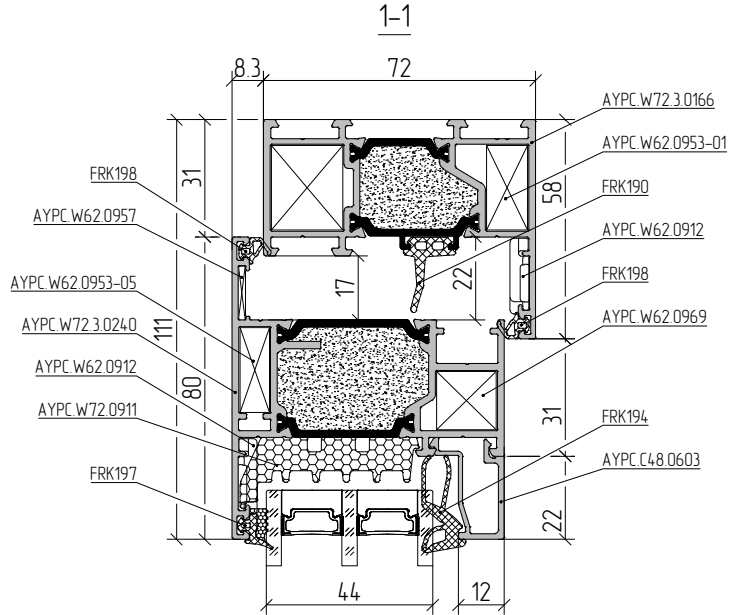
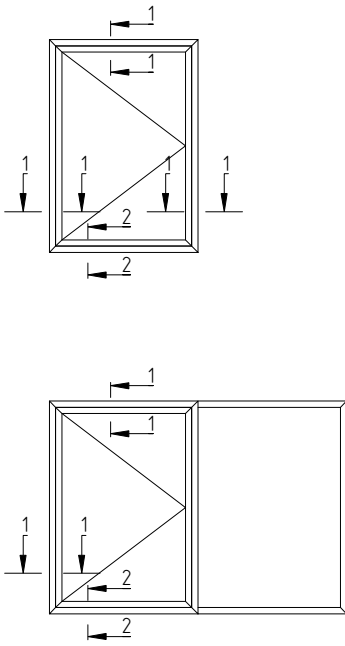


$$U_{fA,B} = \frac{\frac{\Phi}{\Delta T} - U_p \cdot b_p}{b_f} = \frac{\frac{7,747}{20} - 0,701 \cdot 0,237}{0,111} = 1,99 \text{ W}/(\text{m}^2 \cdot \text{K})$$

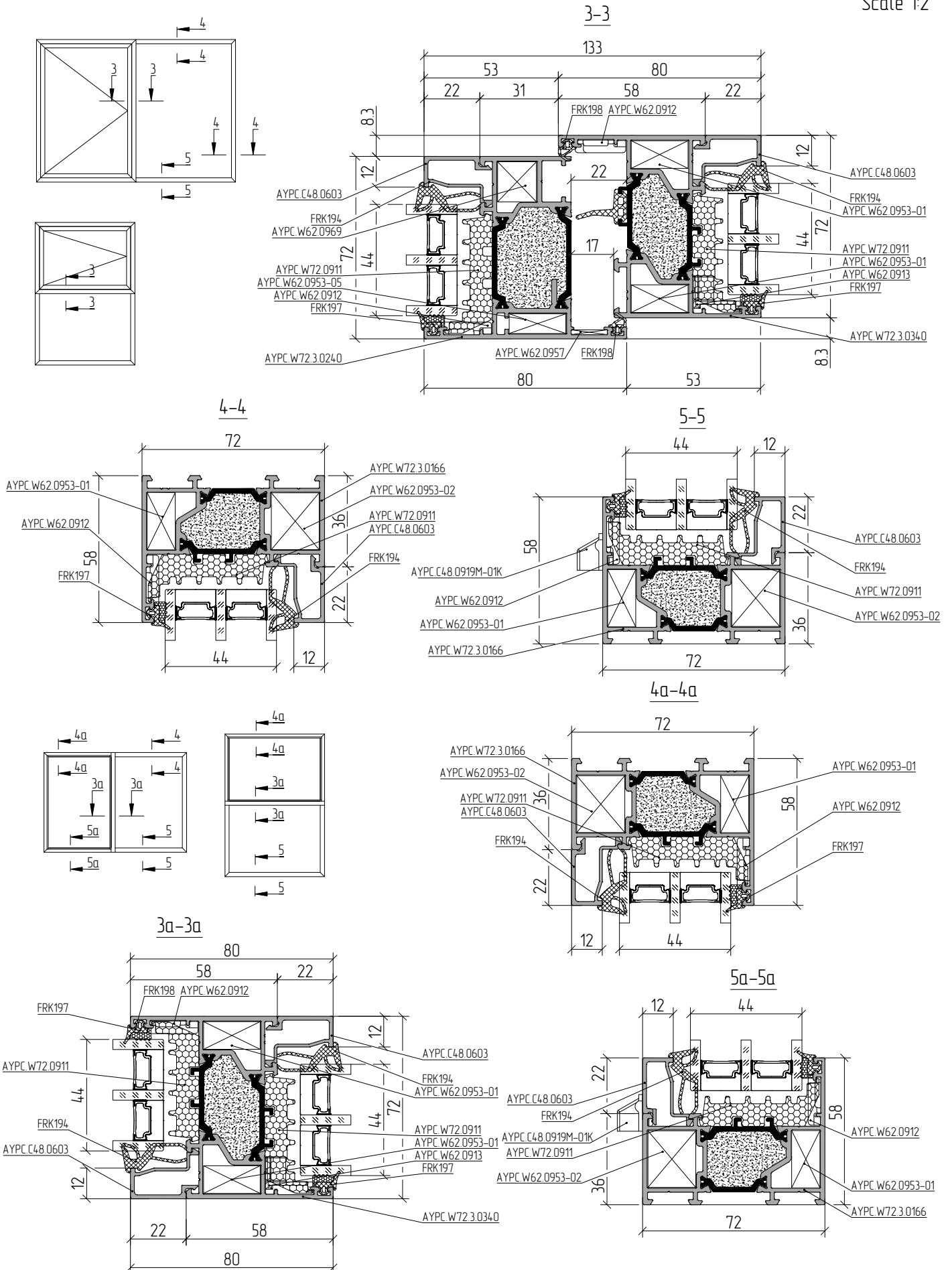
Thermal performance calculation results of the thermal performance calculation of AYPC.W72CW profiles with Flixo pro 8 (8.0.920.1) kit without foamed inserts in the area under the glass unit and inside of the profile.  
Option 4. junction: AYPC.W72.0102N frame profile / AYPC.W72.0240N sash profile



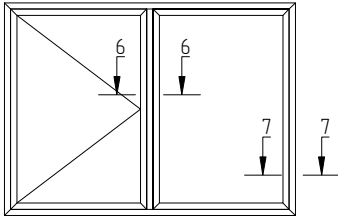
$$U_{fA,B} = \frac{\frac{\Phi}{\Delta T} - U_p \cdot b_p}{b_f} = \frac{\frac{9,177}{20} - 0,701 \cdot 0,237}{0,111} = 2,64 \text{ W}/(\text{m}^2 \cdot \text{K})$$



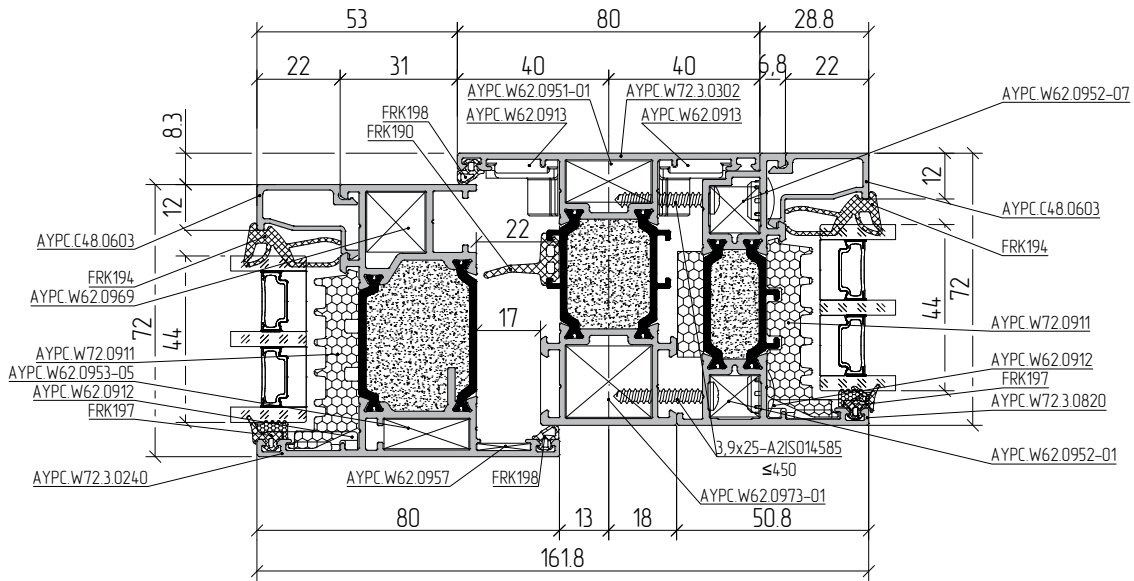
Scale 1:2



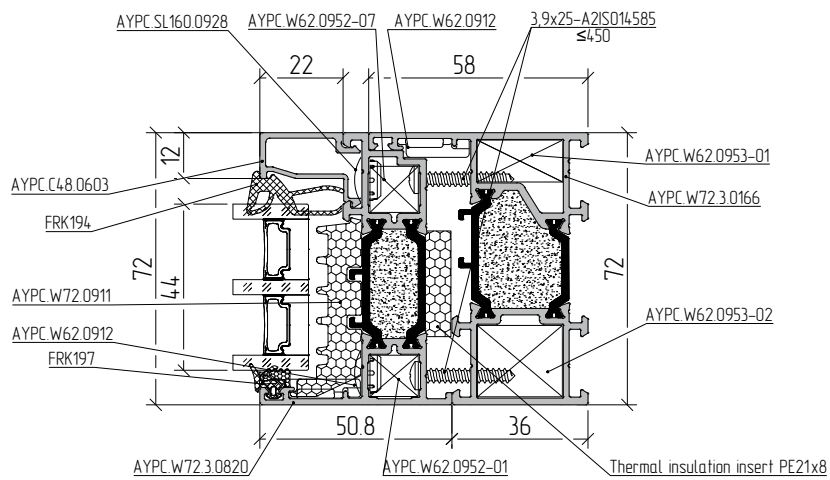
Scale 1:2



6-6

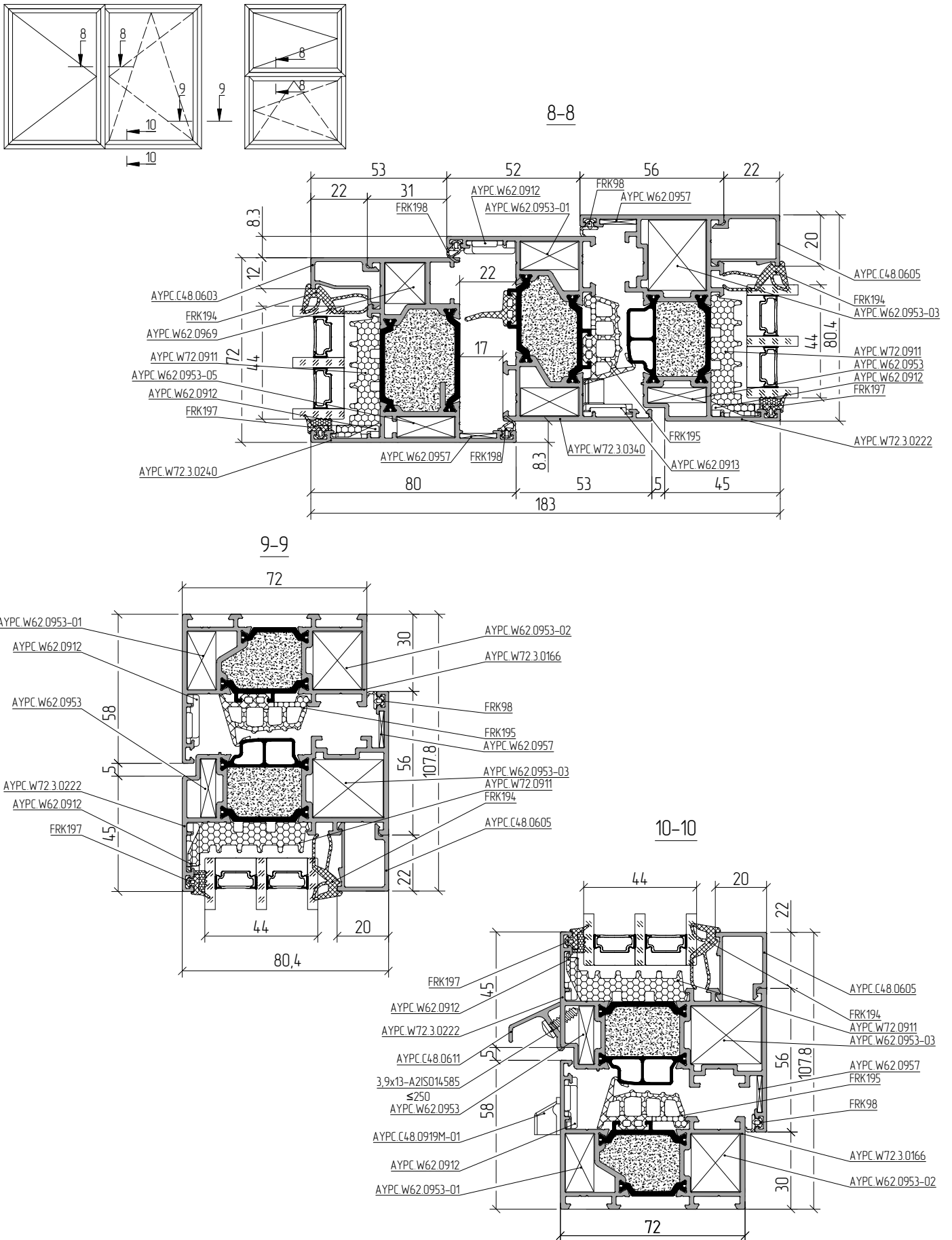


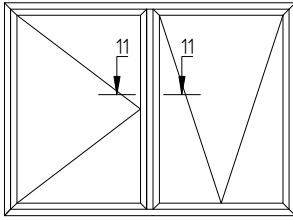
7-7



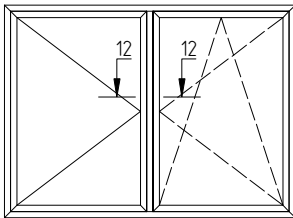
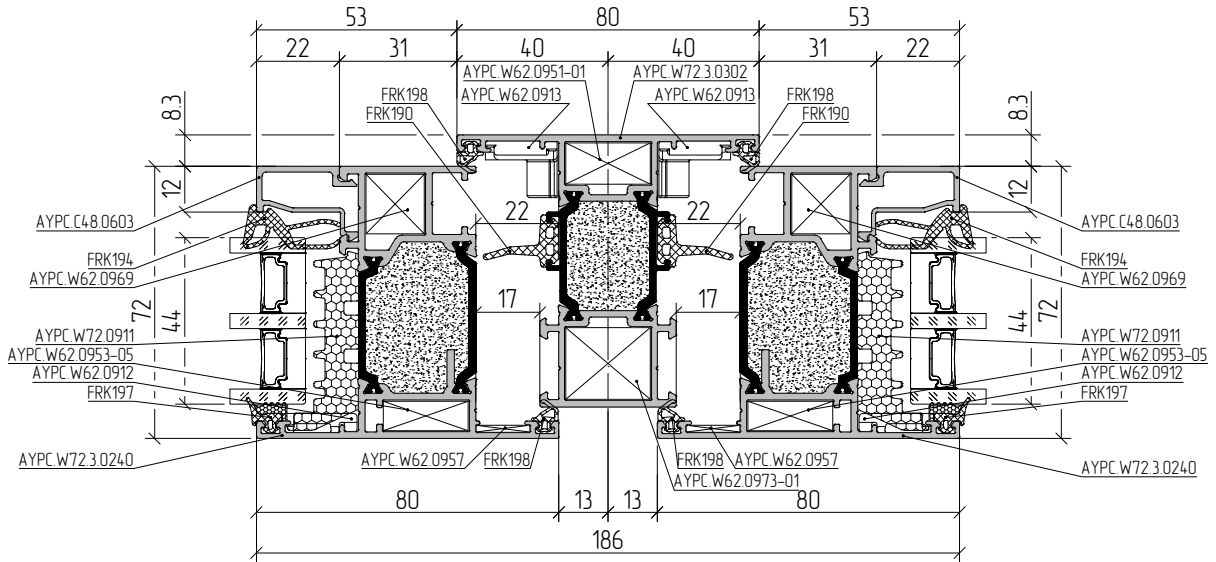


Scale 1:2

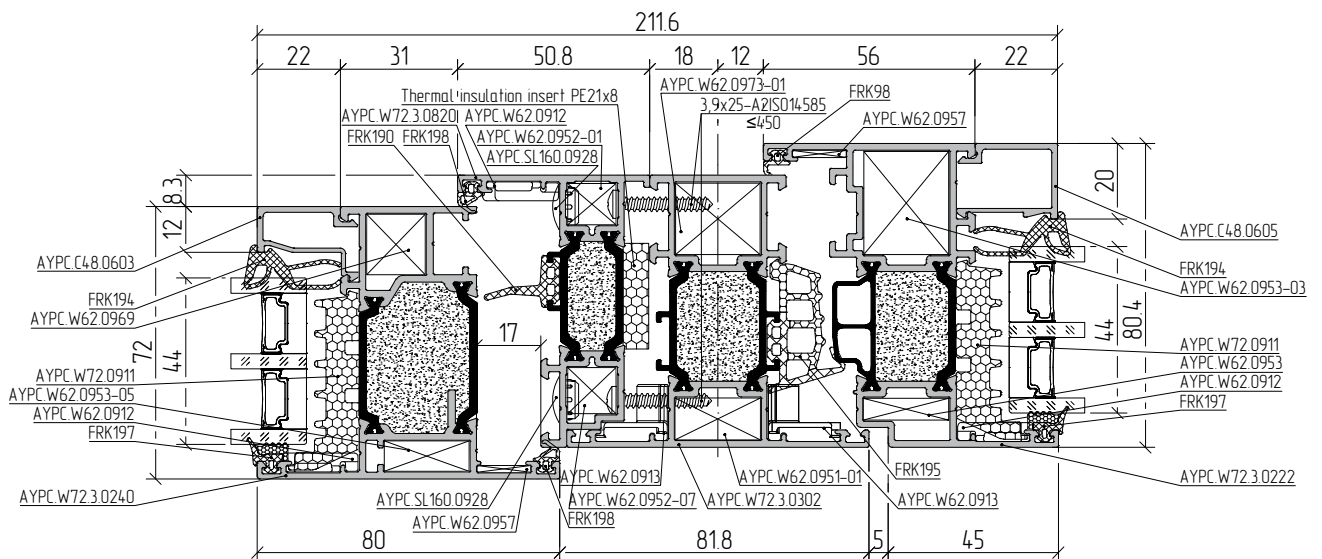


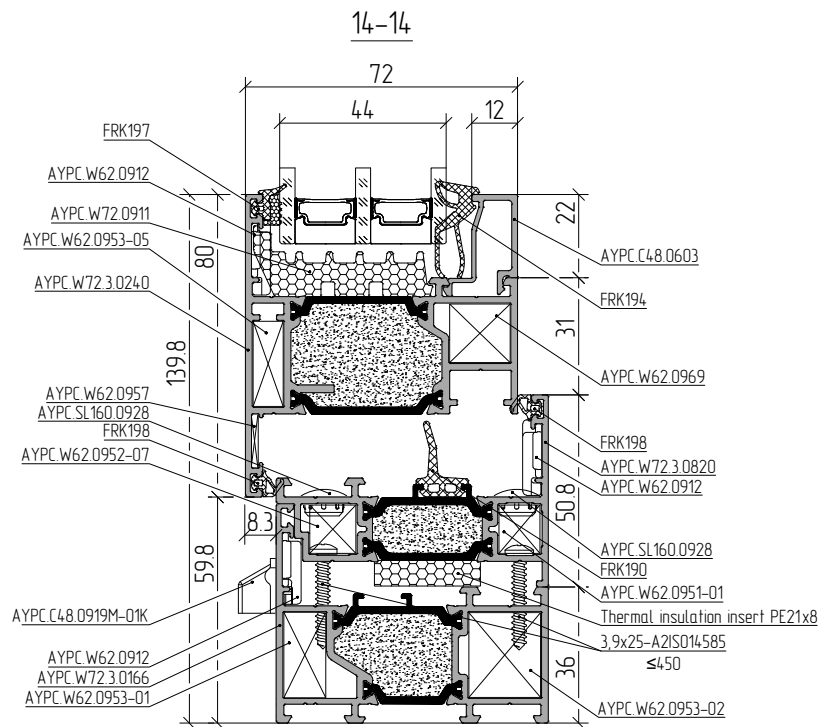
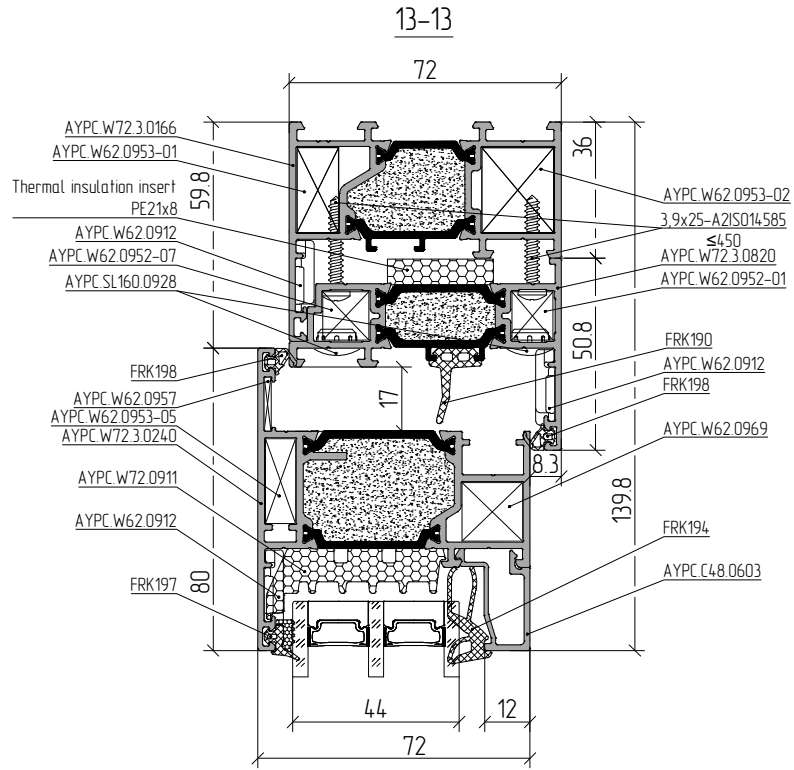
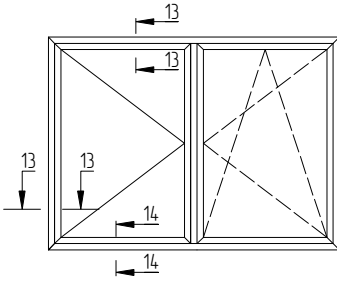


11-11



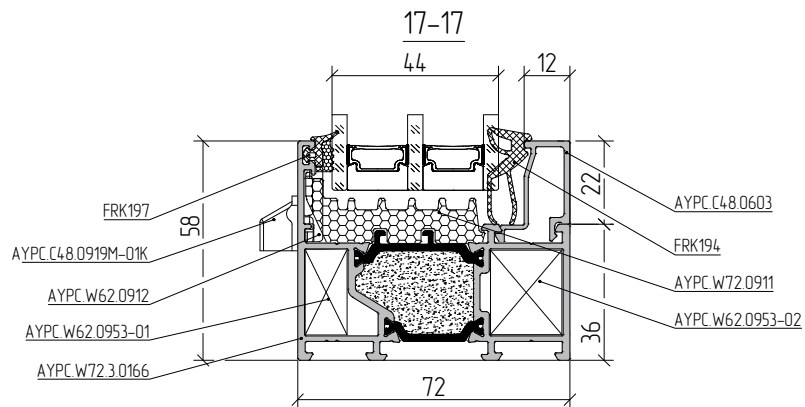
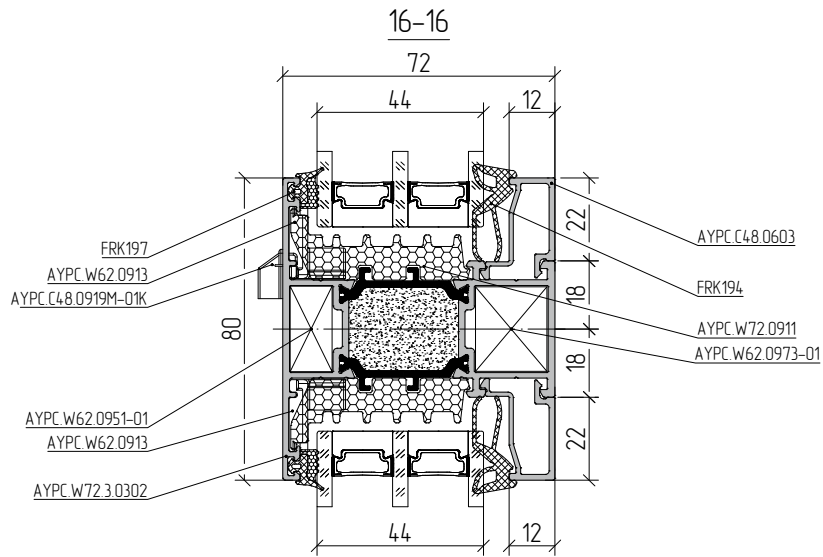
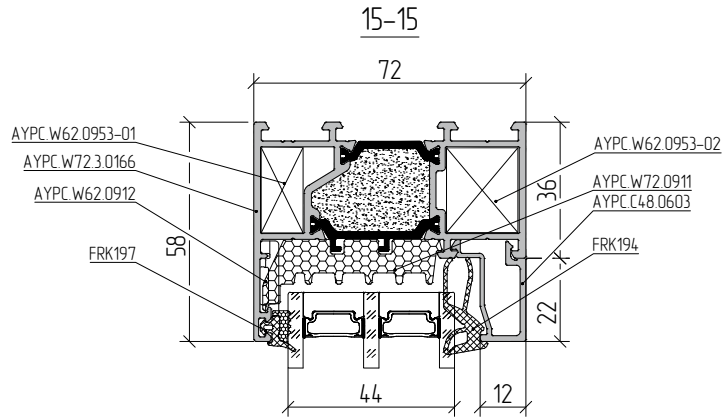
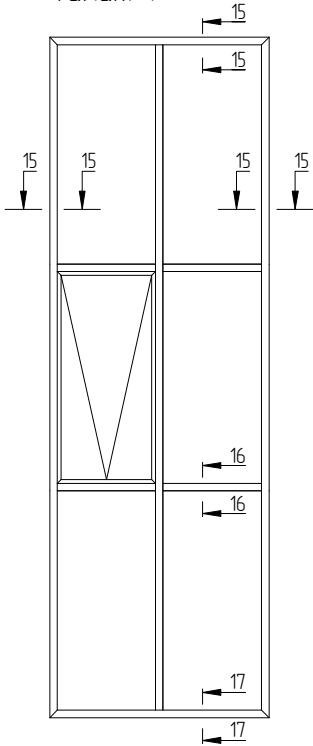
12-12





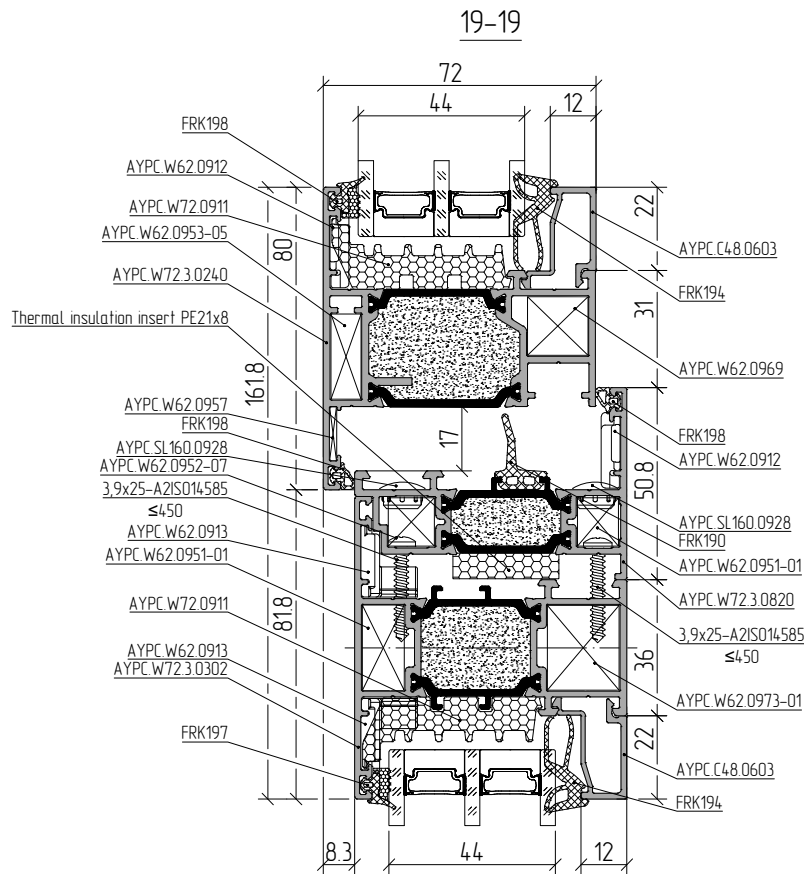
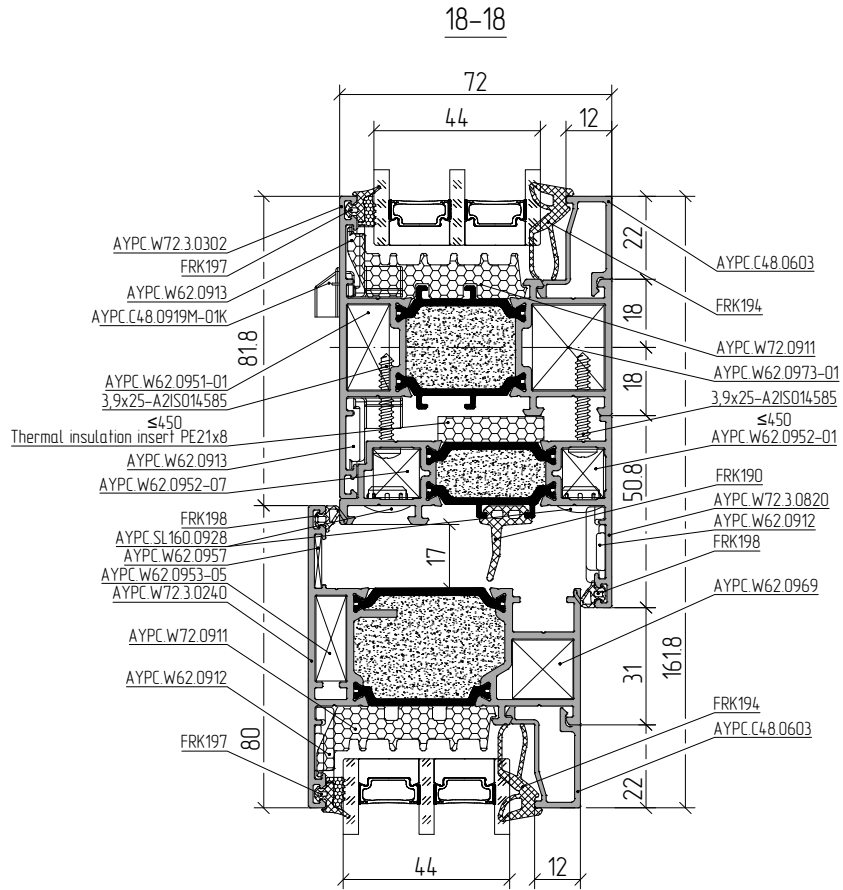
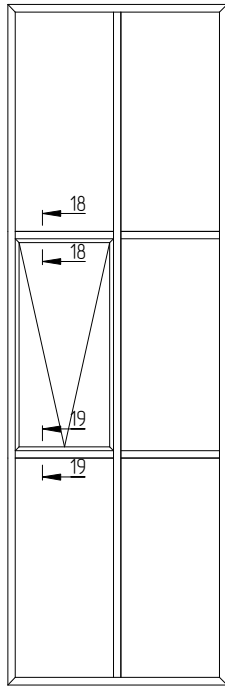
Scale 1:2

Variant 1



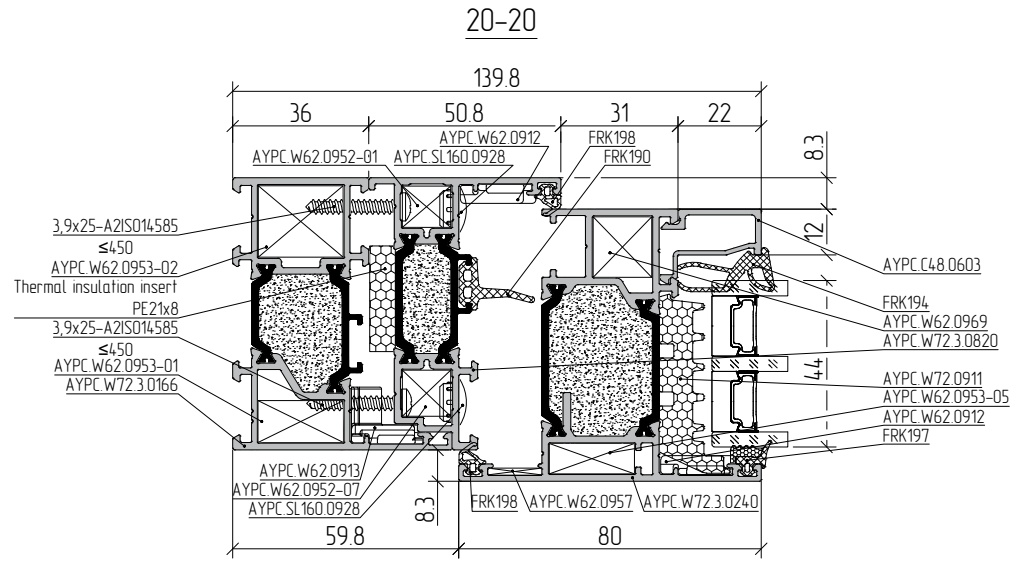
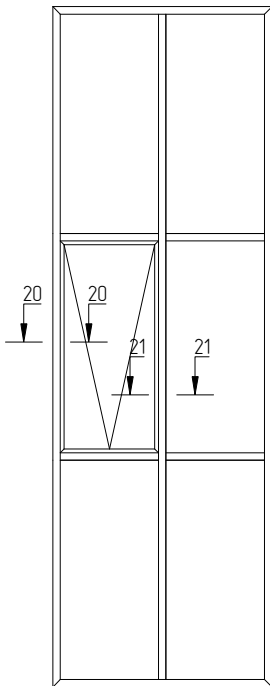
Variant 1

Scale 1:2

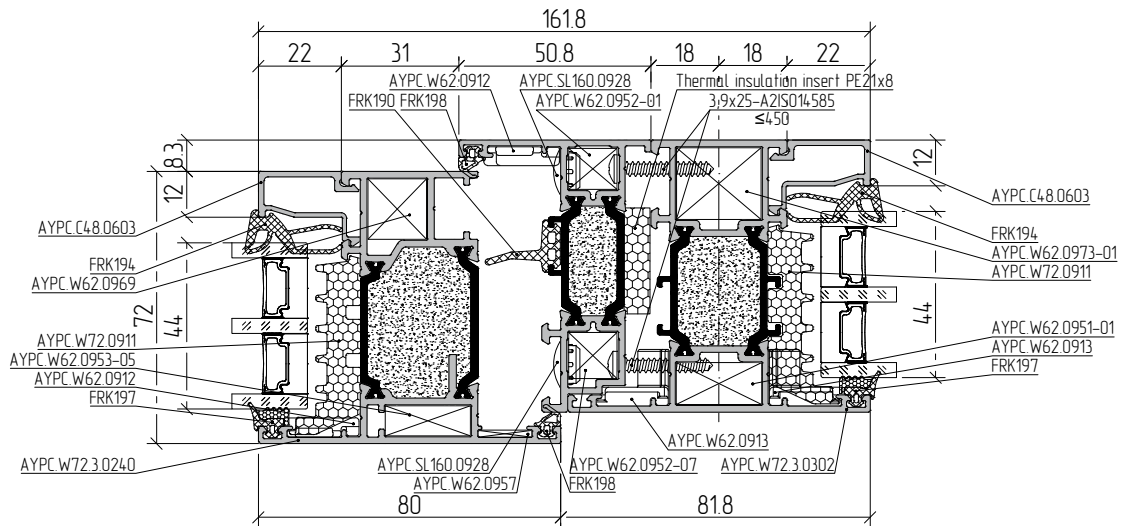


Variant 1

Scale 1:2

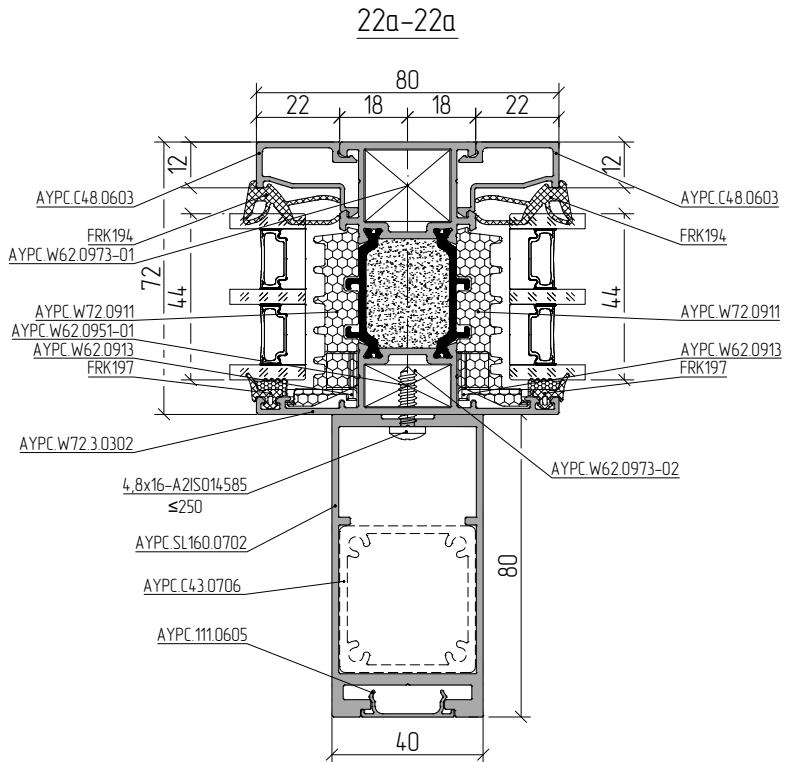
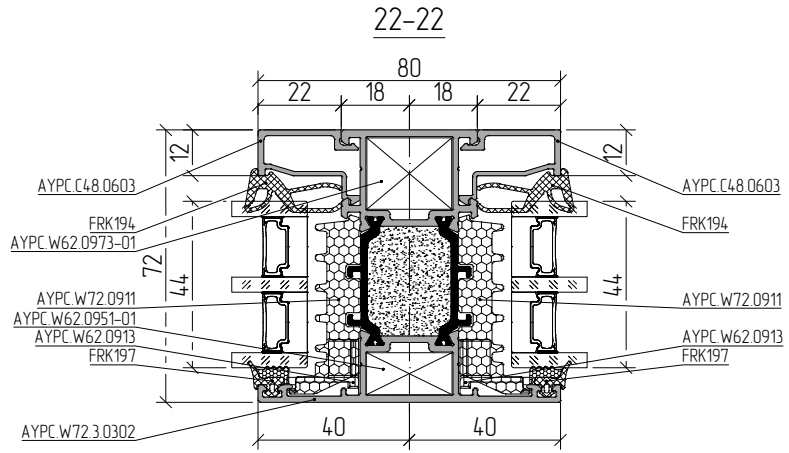
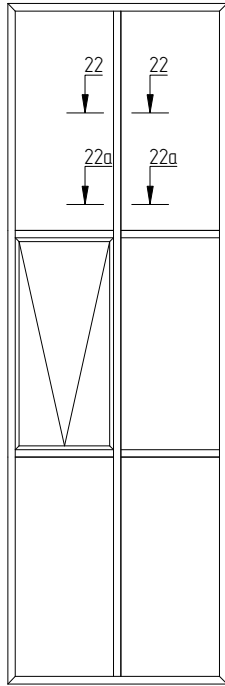


21-21



Variant 1

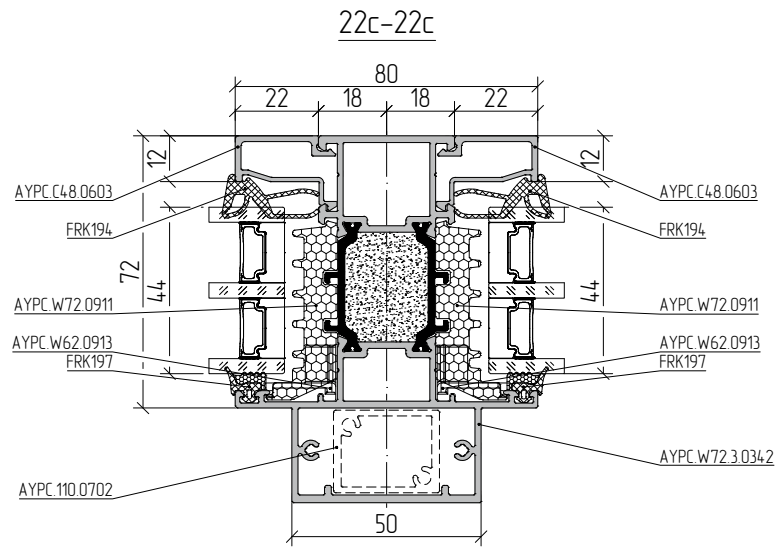
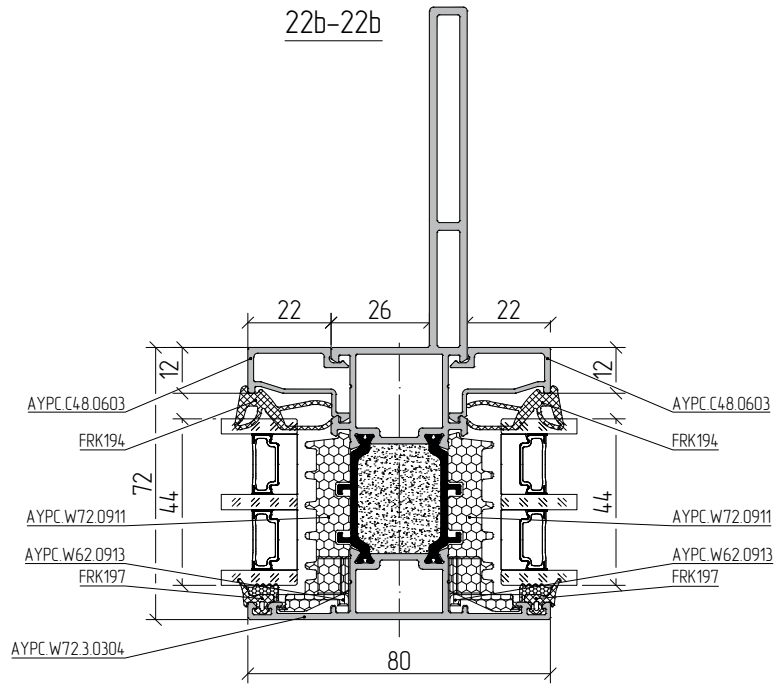
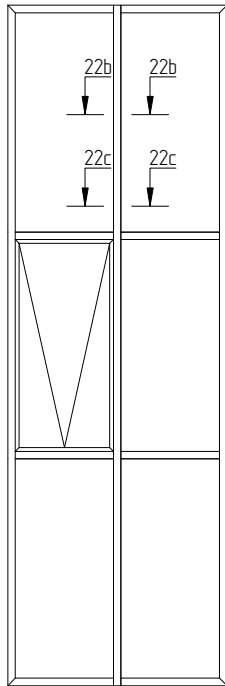
Scale 1:2





Variant 1

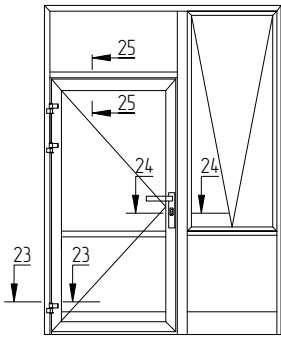
Scale 1:2



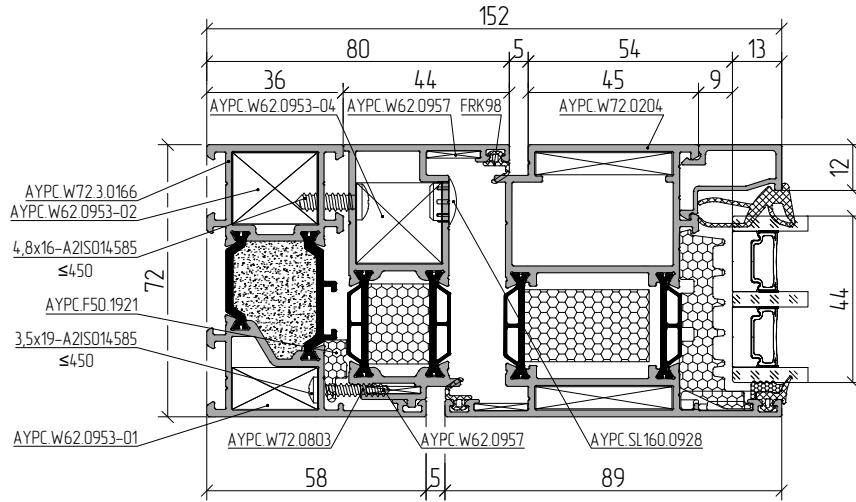


Variant 1

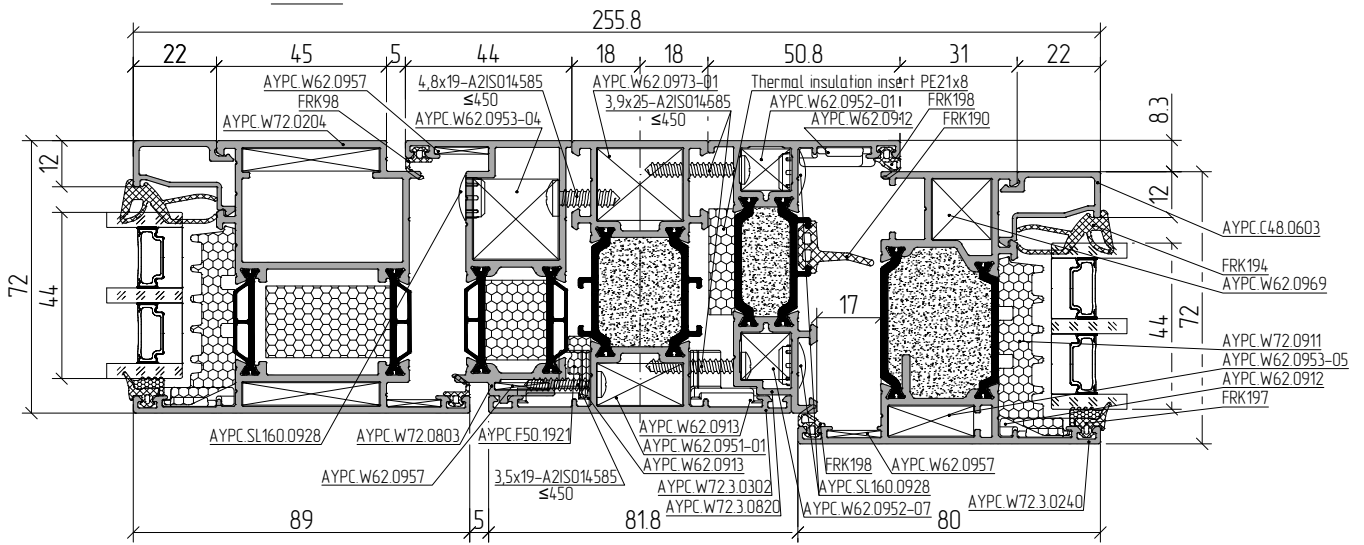
Scale 1:2



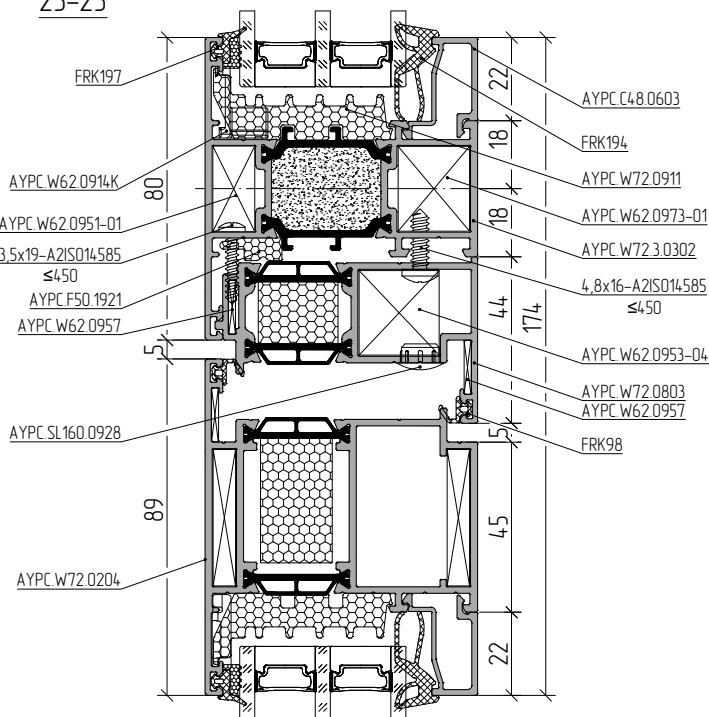
23-23



24-24



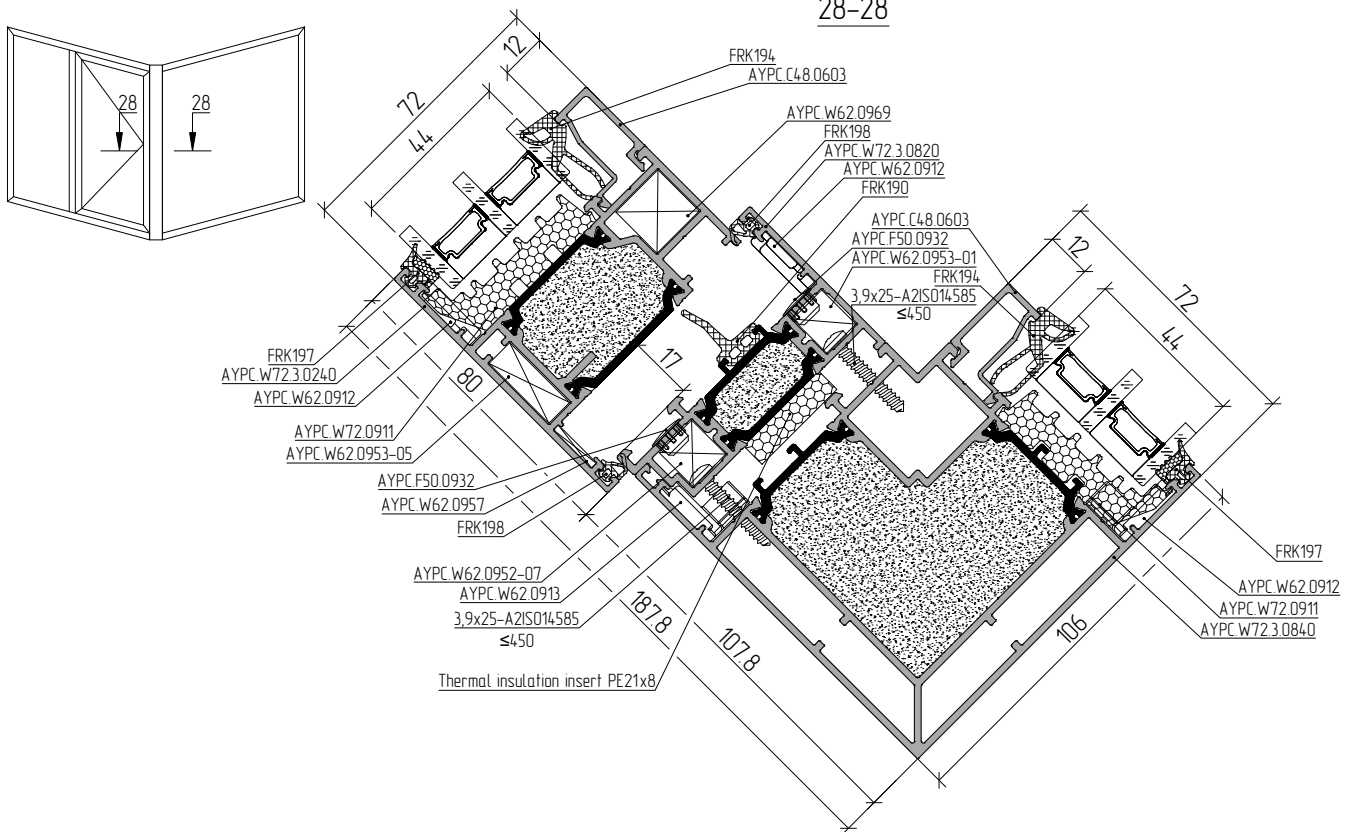
25-25



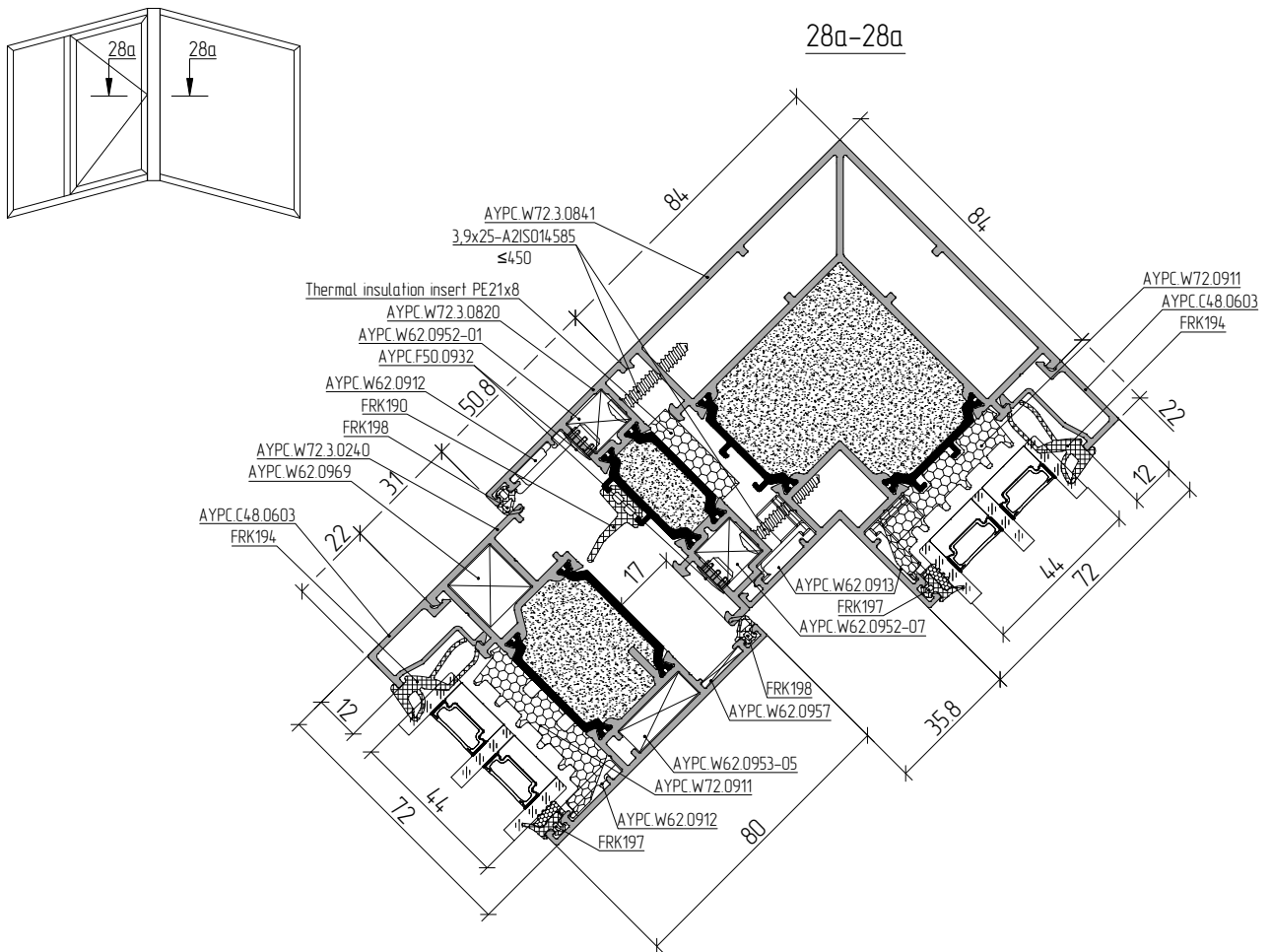


Scale 1:2

28-28



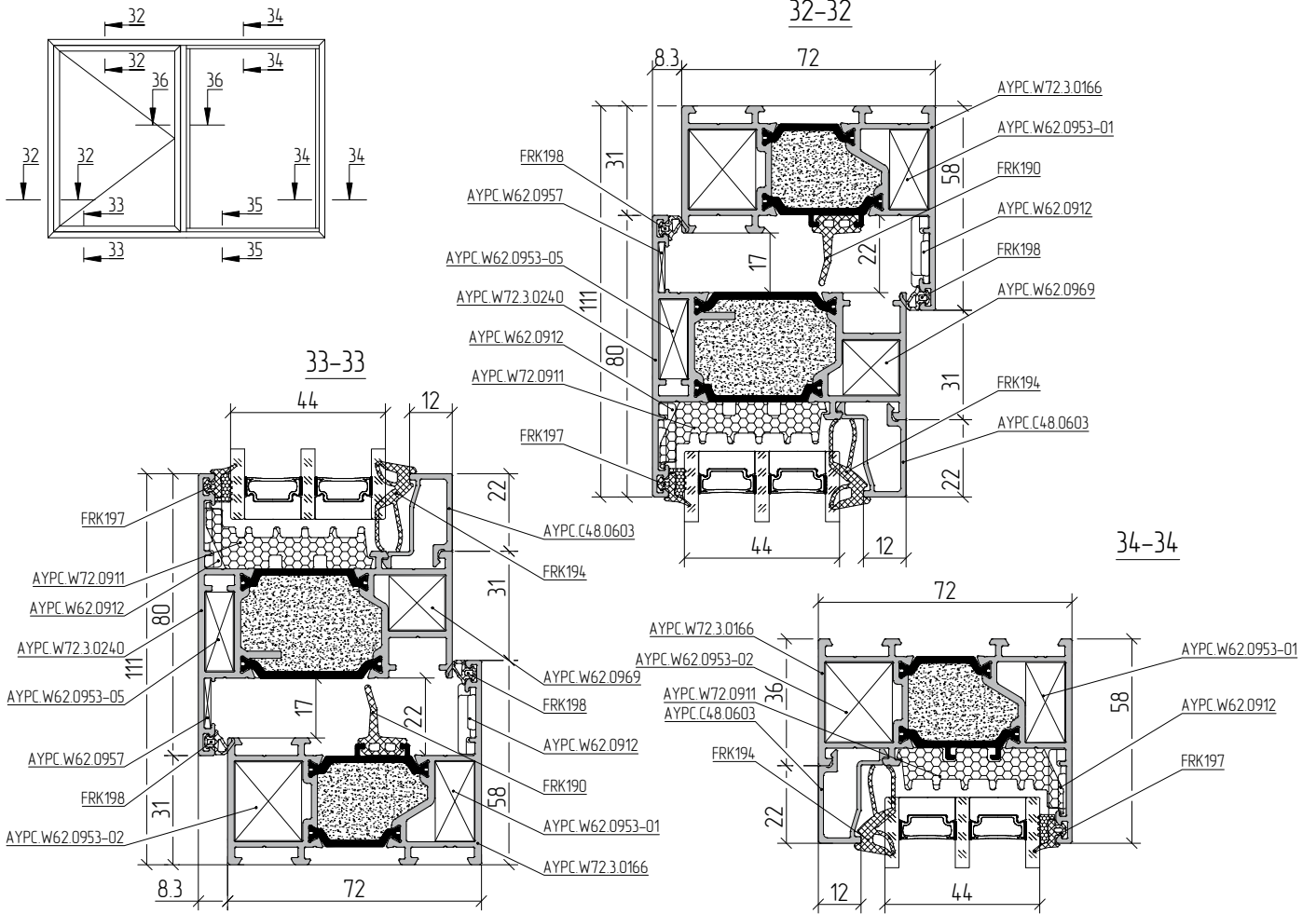
28a-28a



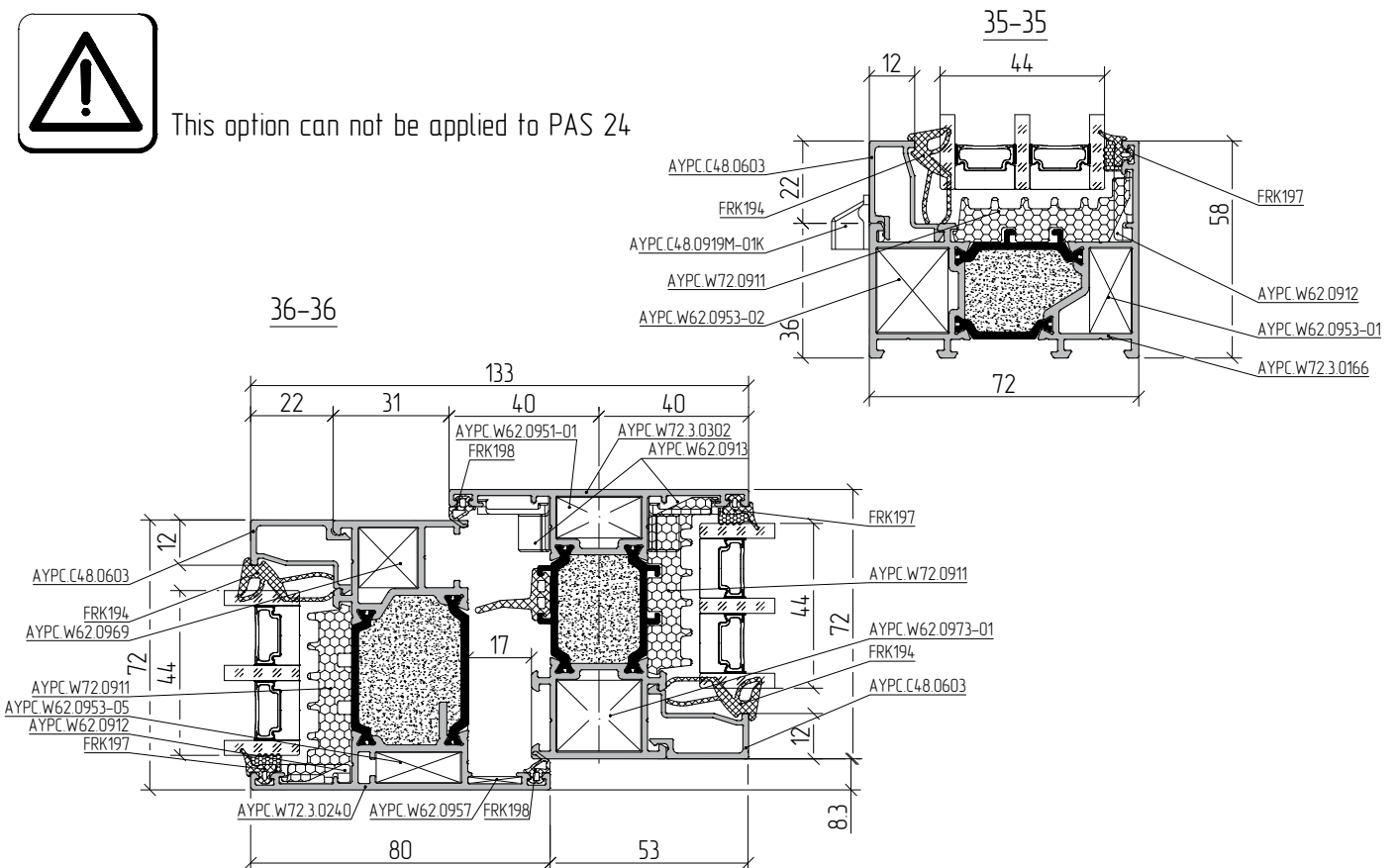




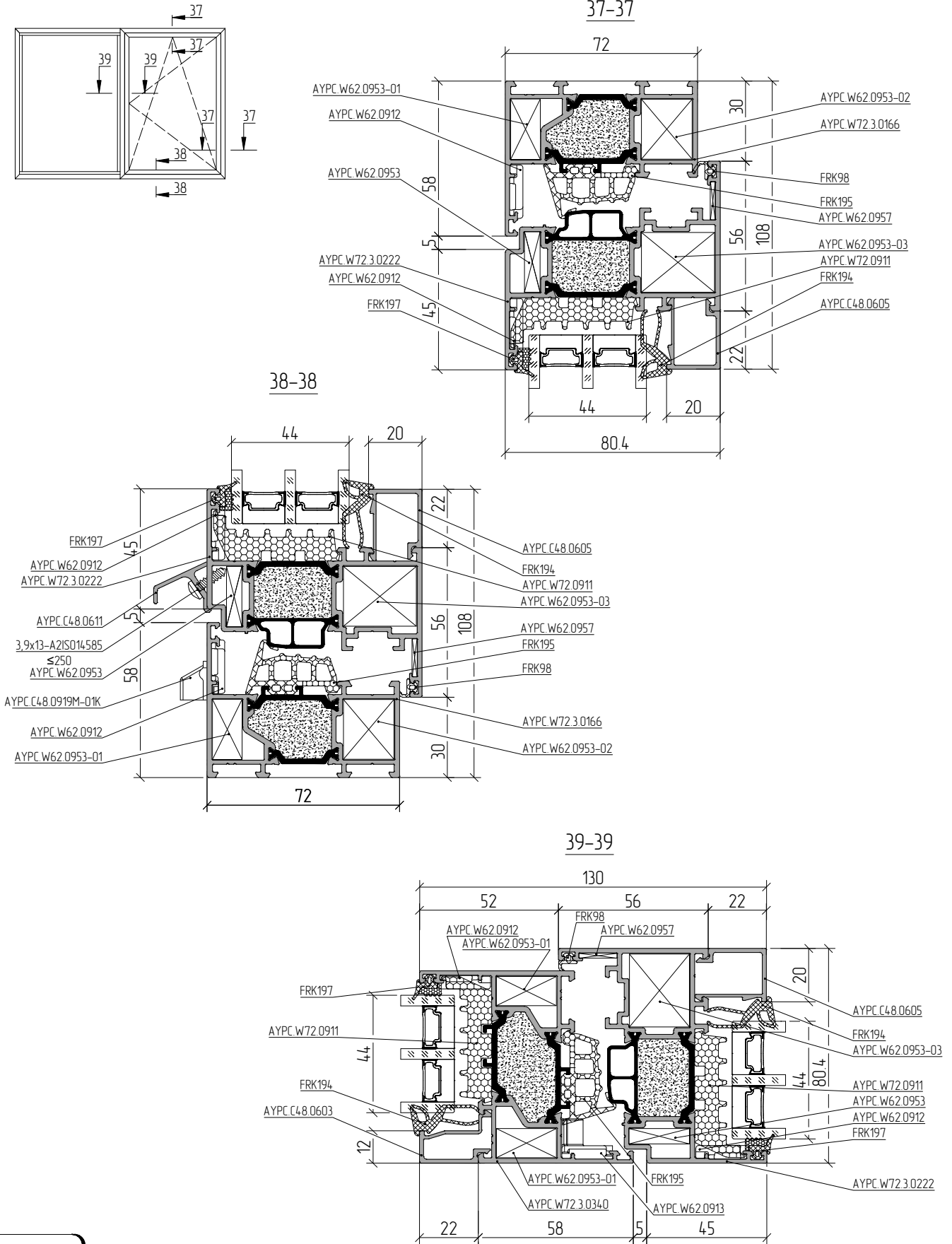




This option can not be applied to PAS 24

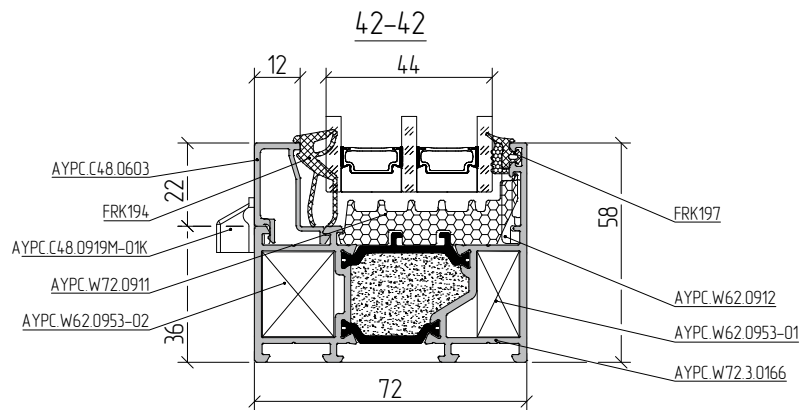
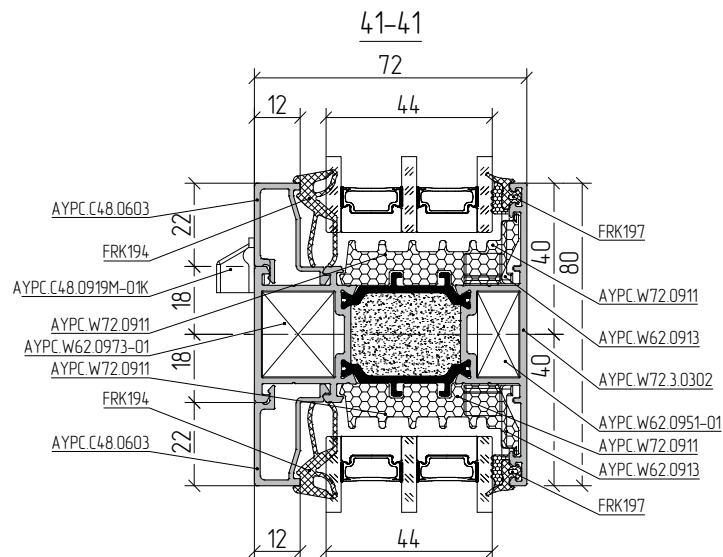
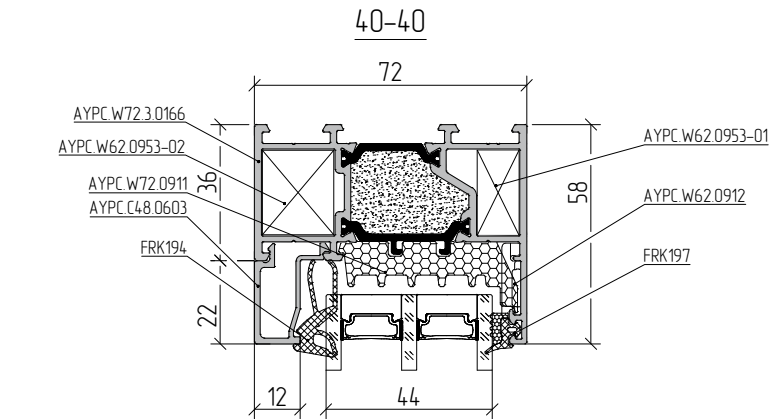
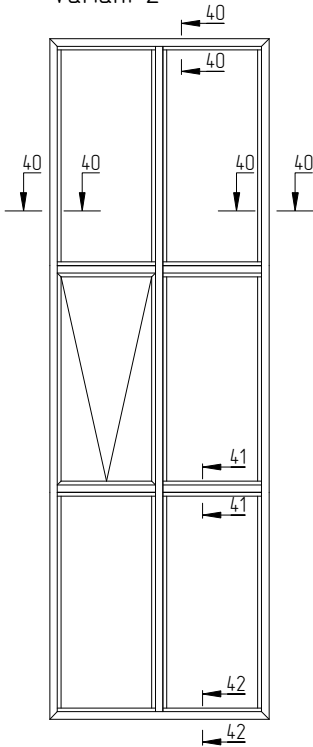


Scale 1:2



This option can not be applied to PAS 24

Variant 2

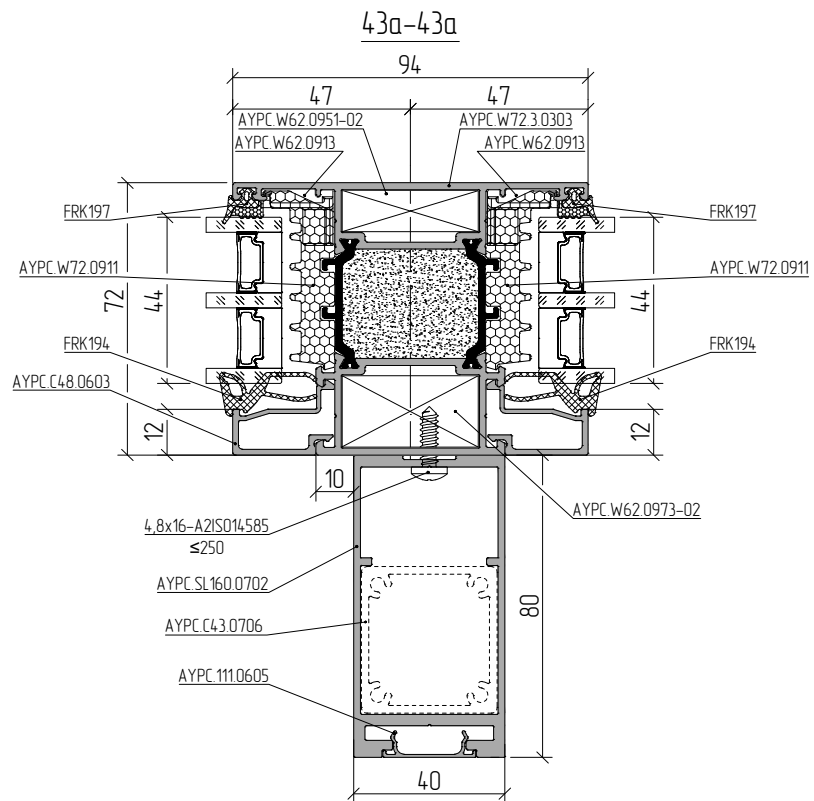
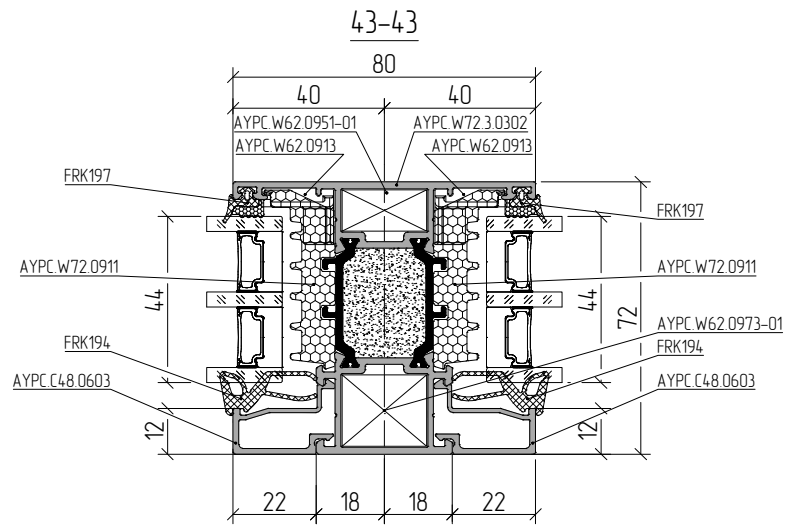
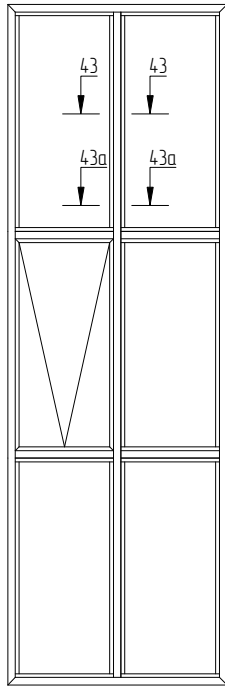


This option can not be applied to PAS 24



Variant 2

Scale 1:2



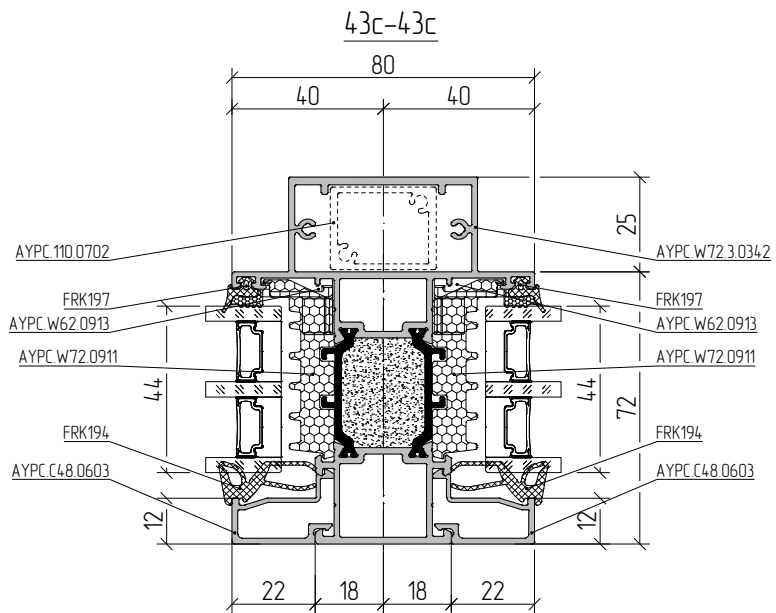
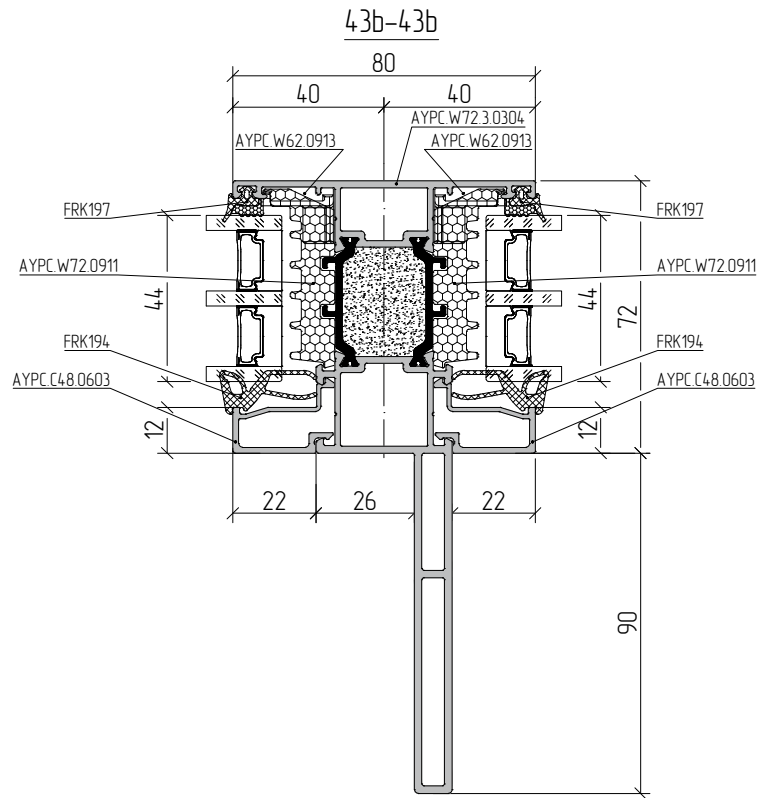
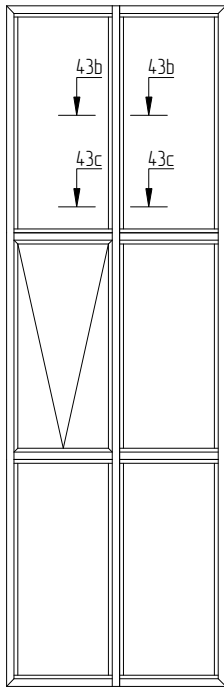
Do not use with AYP.C.W72.3.0301,  
AYP.C.W72.3.0302 profiles.



This option can not be applied to PAS 24

Variant 2

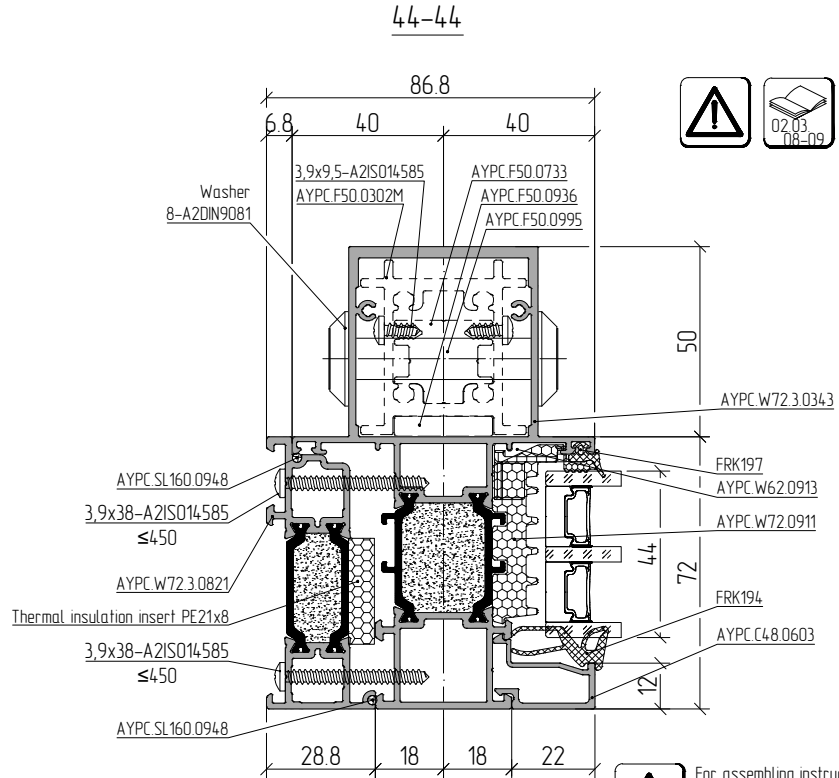
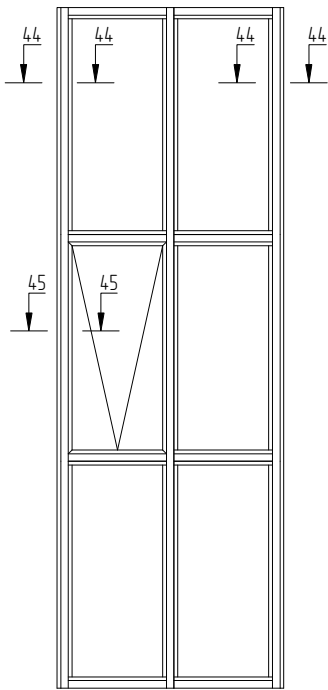
Scale 1:2



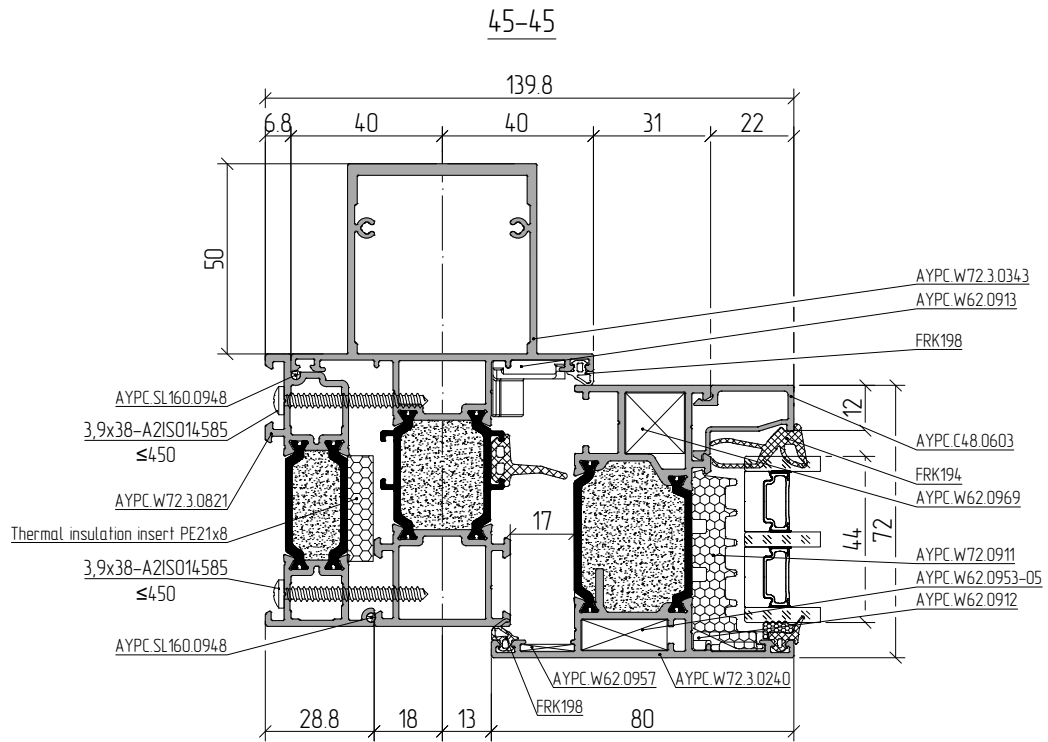
This option can not be applied to PAS 24

Variant 2

Scale 1:2



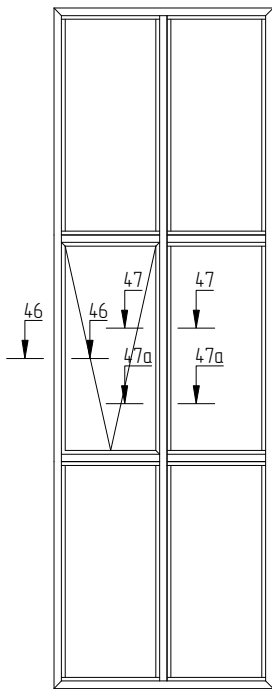
For assembling instructions and accessories required please refer to the ALT F50 Curtain wall Technical catalogue



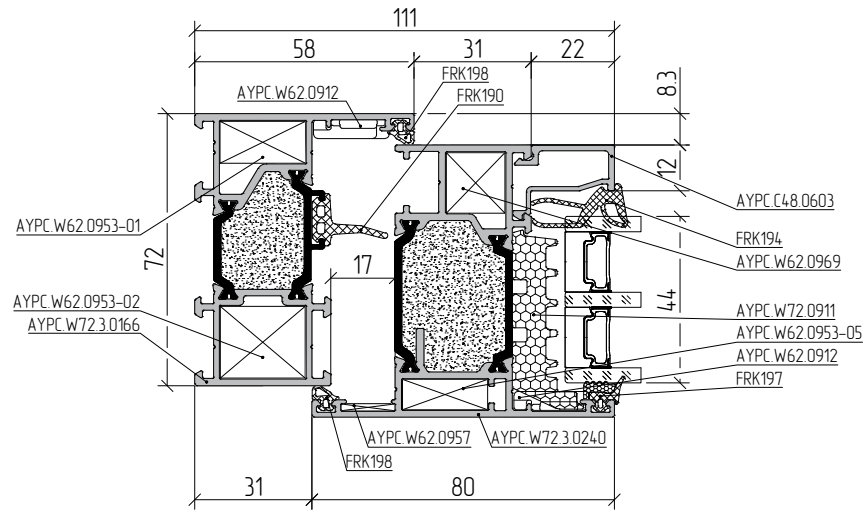
This option can not be applied to PAS 24

Variant 2

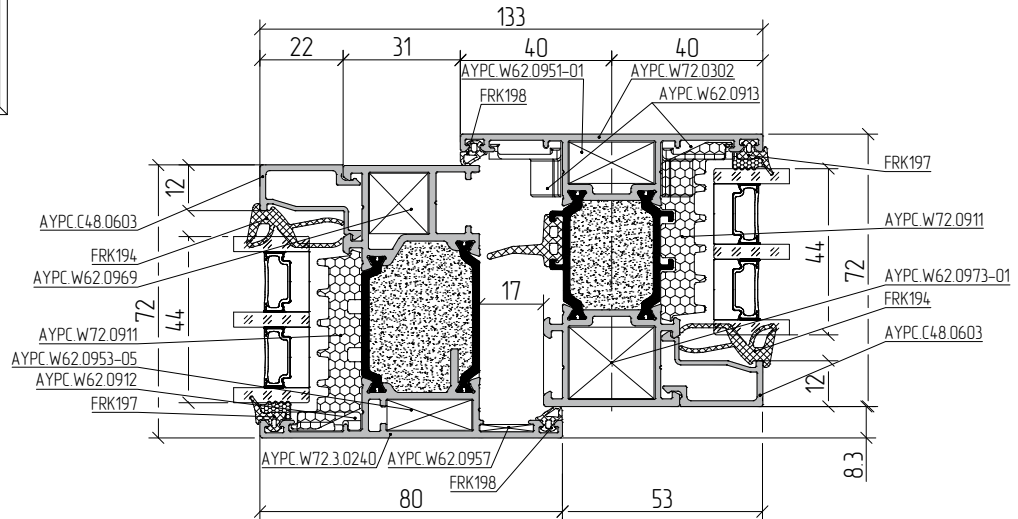
Scale 1:2



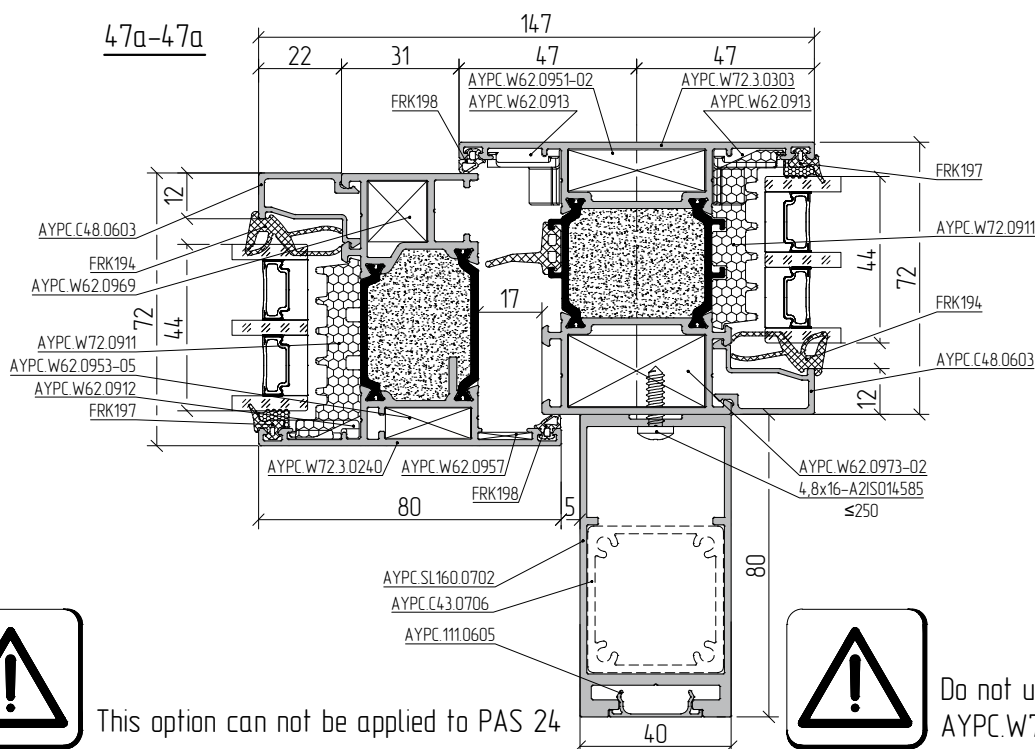
46-46



47-47



47a-47a



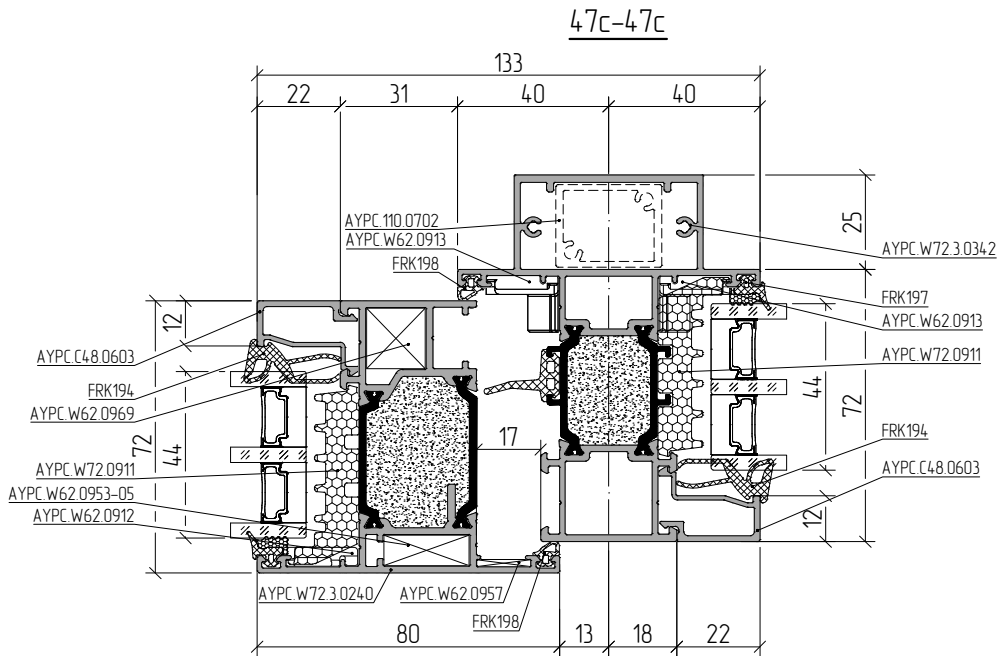
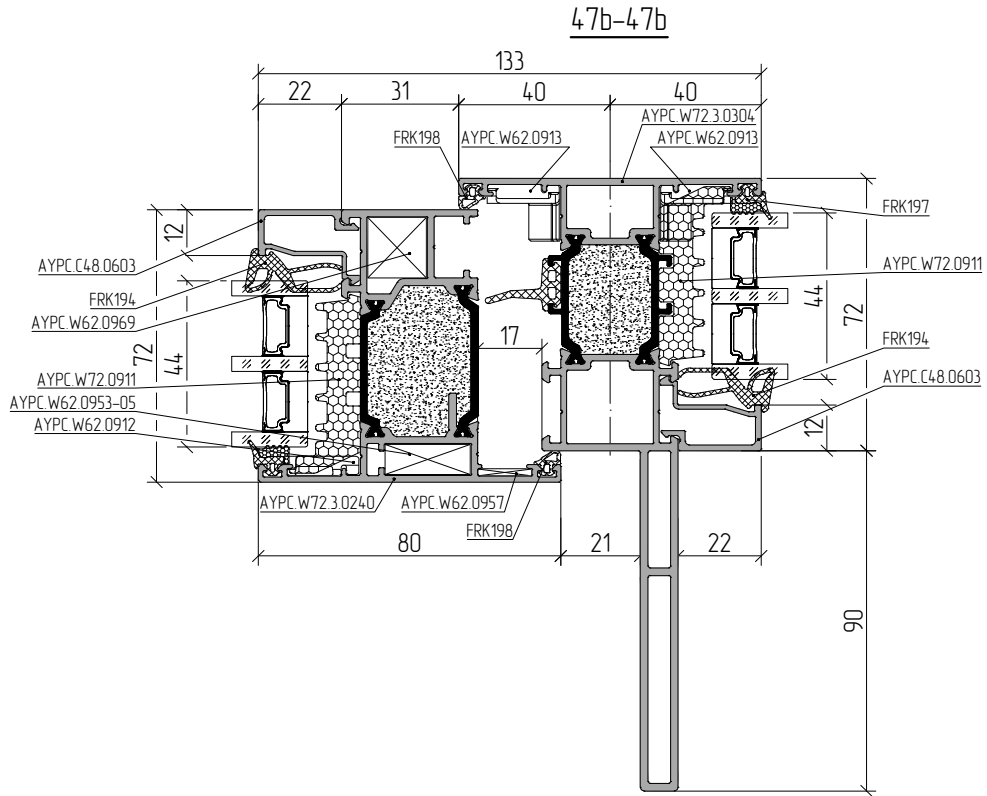
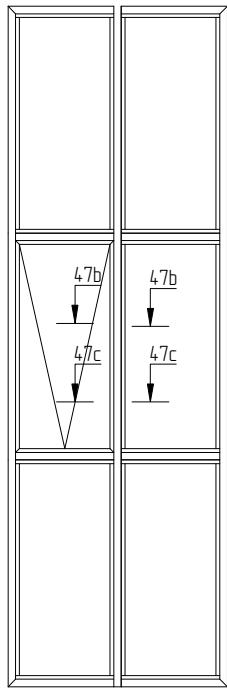
This option can not be applied to PAS 24



Do not use with AYPC.W72.3.0301, AYPC.W72.3.0302 profiles.

Variant 2

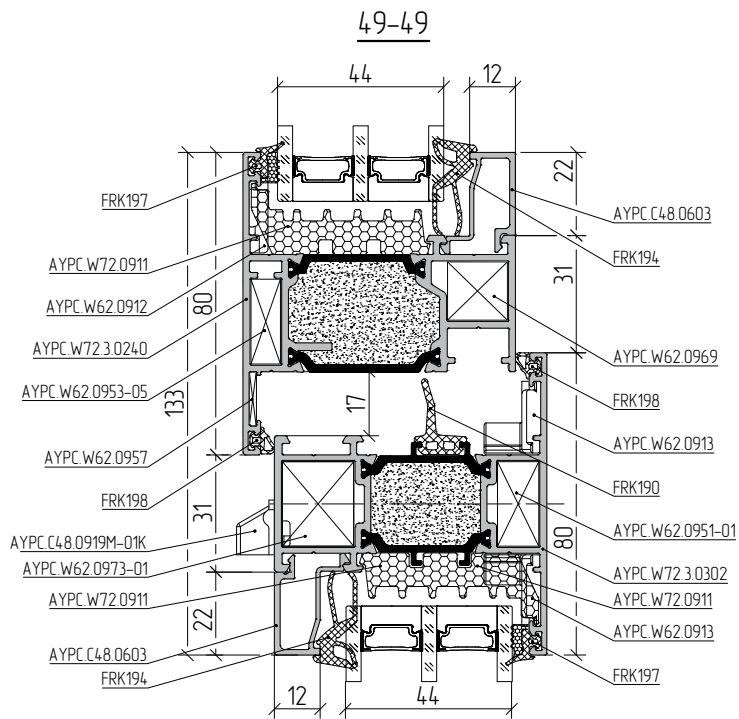
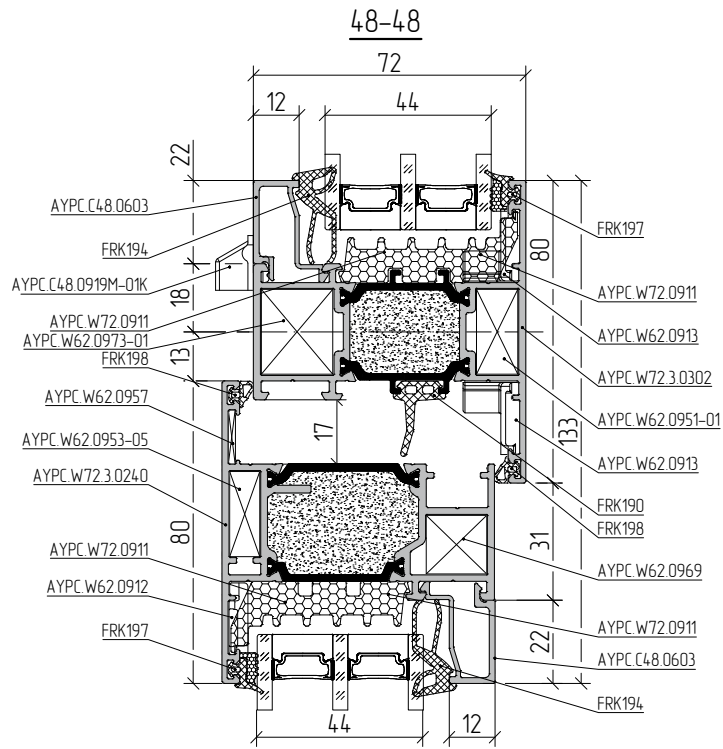
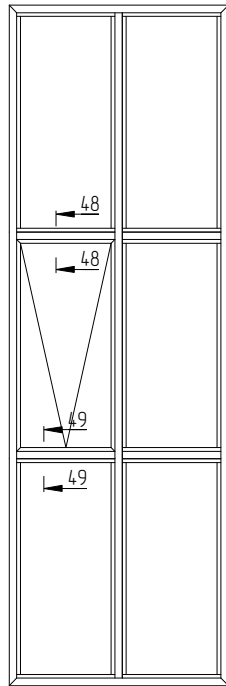
Scale 1:2



This option can not be applied to PAS 24

Variant 2

Scale 1:2

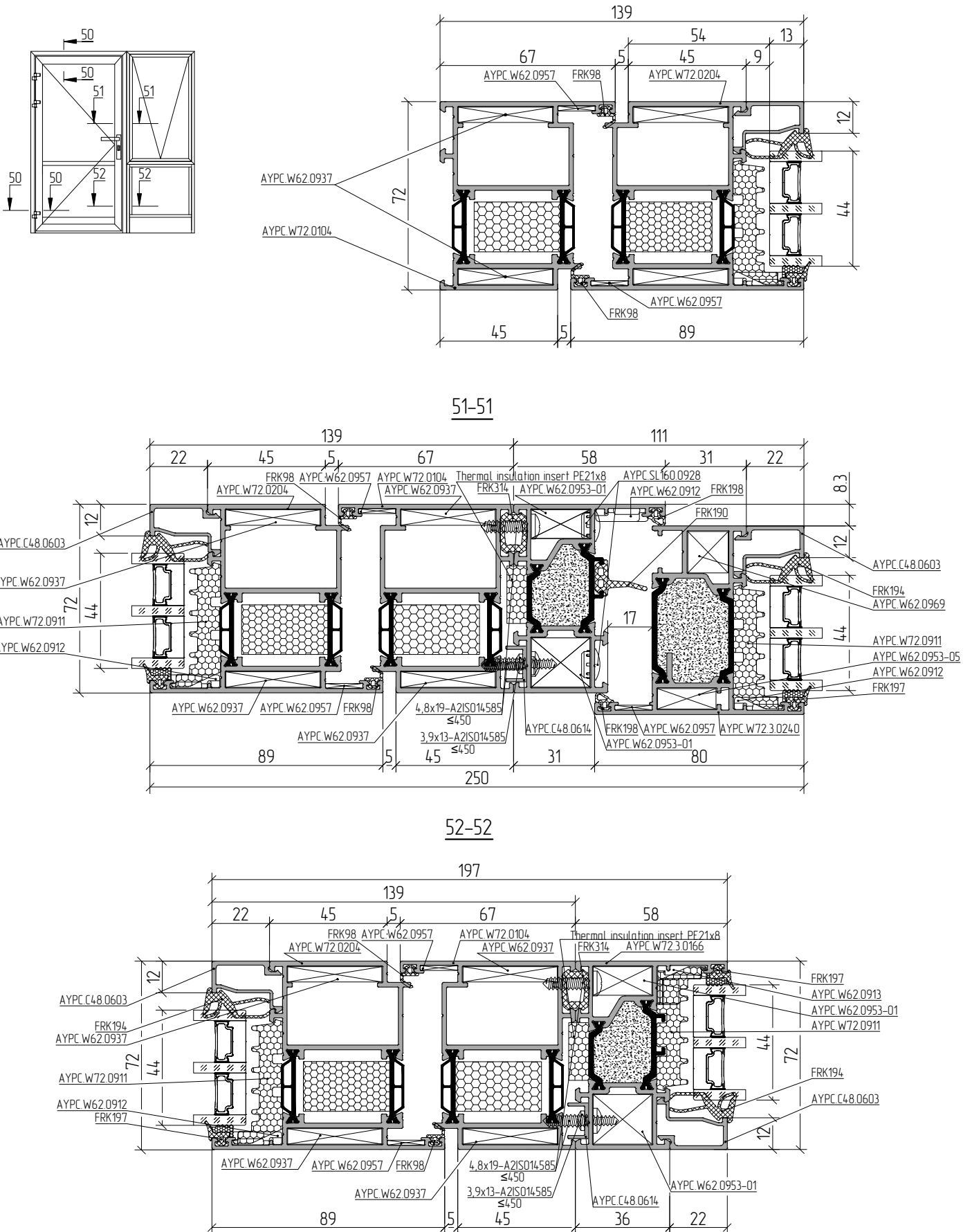


This option can not be applied to PAS 24

Variant 2

50-50

Scale 1:2

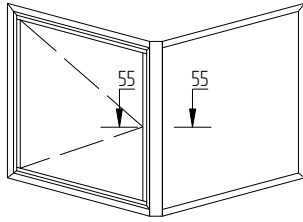




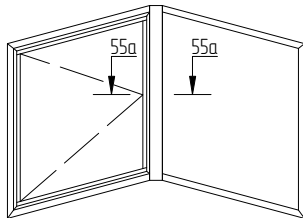
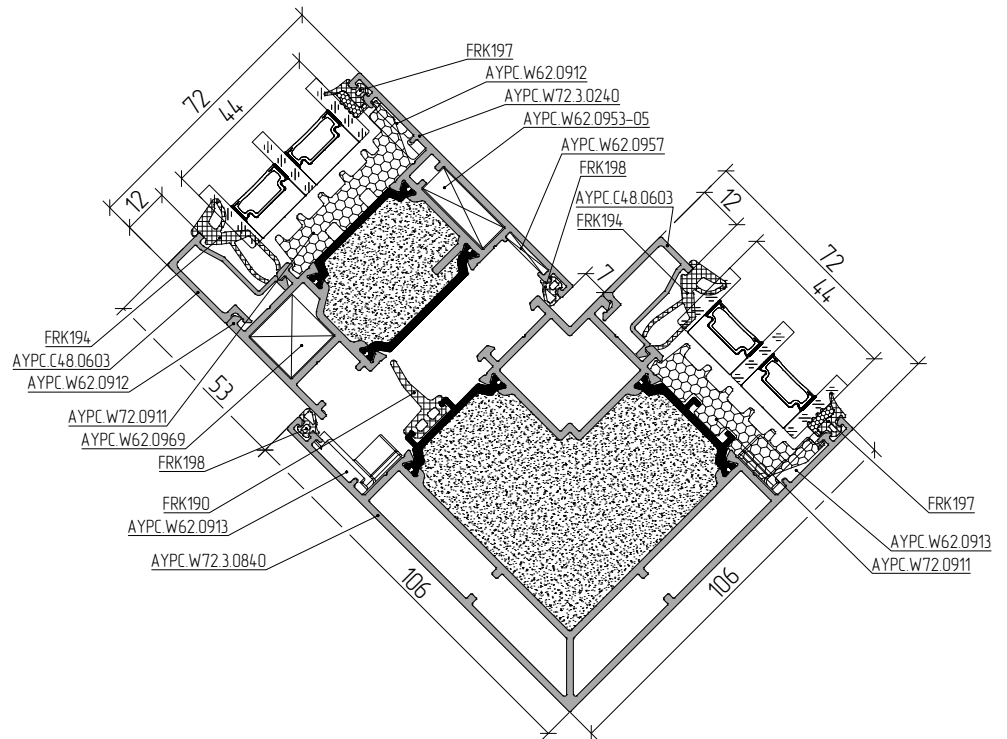




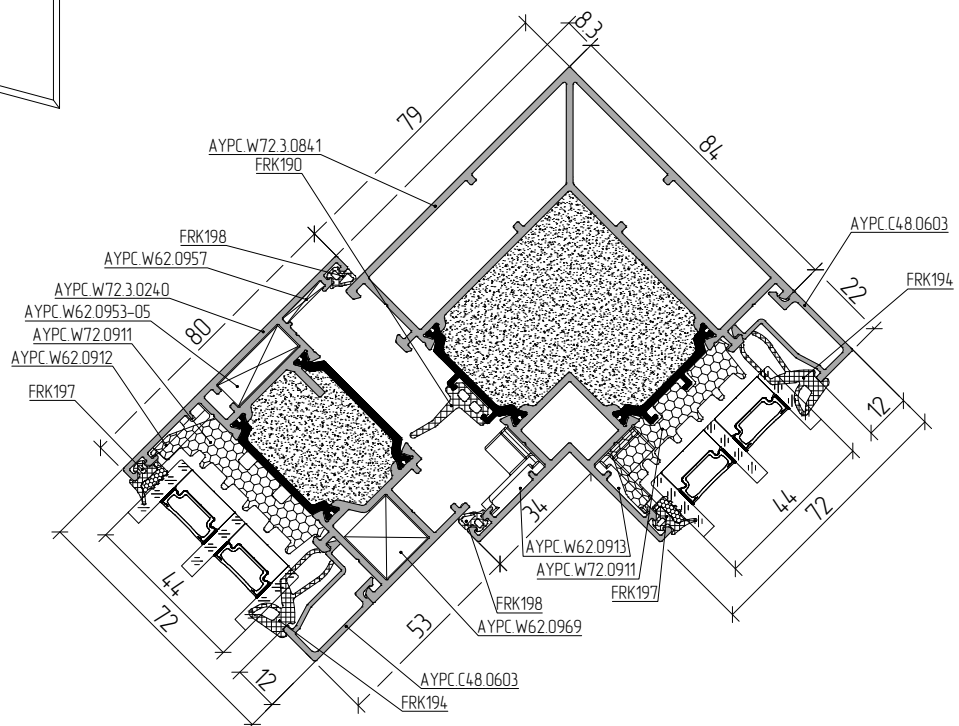
Scale 1:2



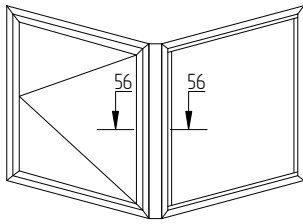
55-55



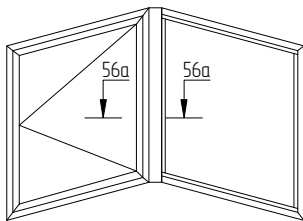
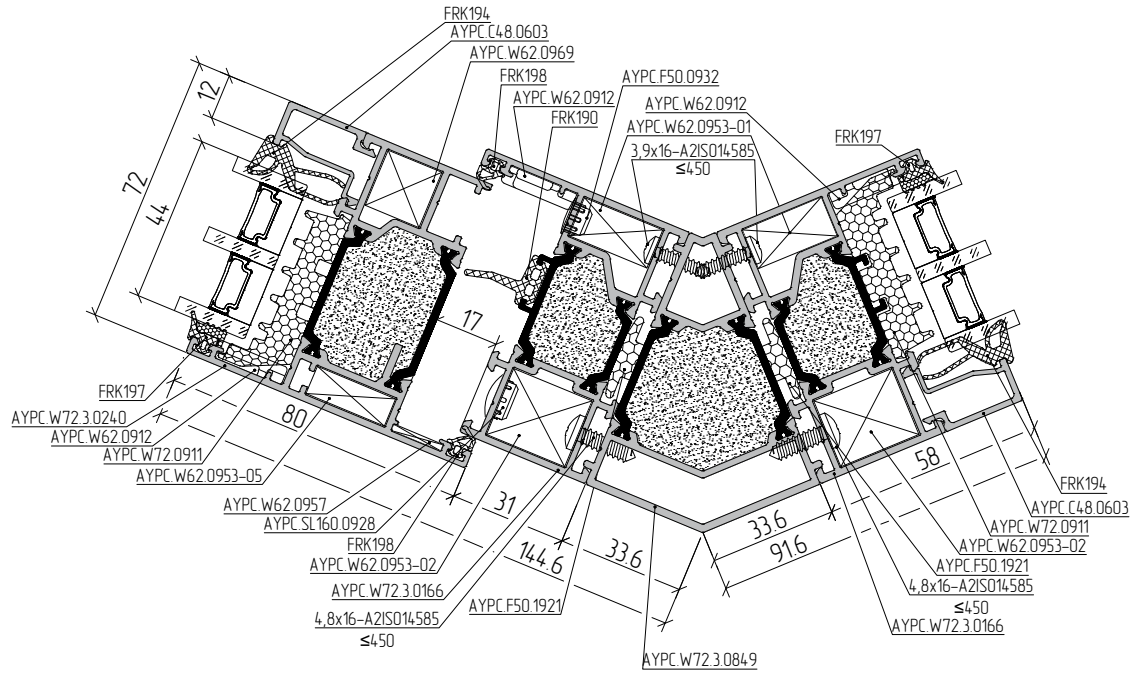
55a-55a



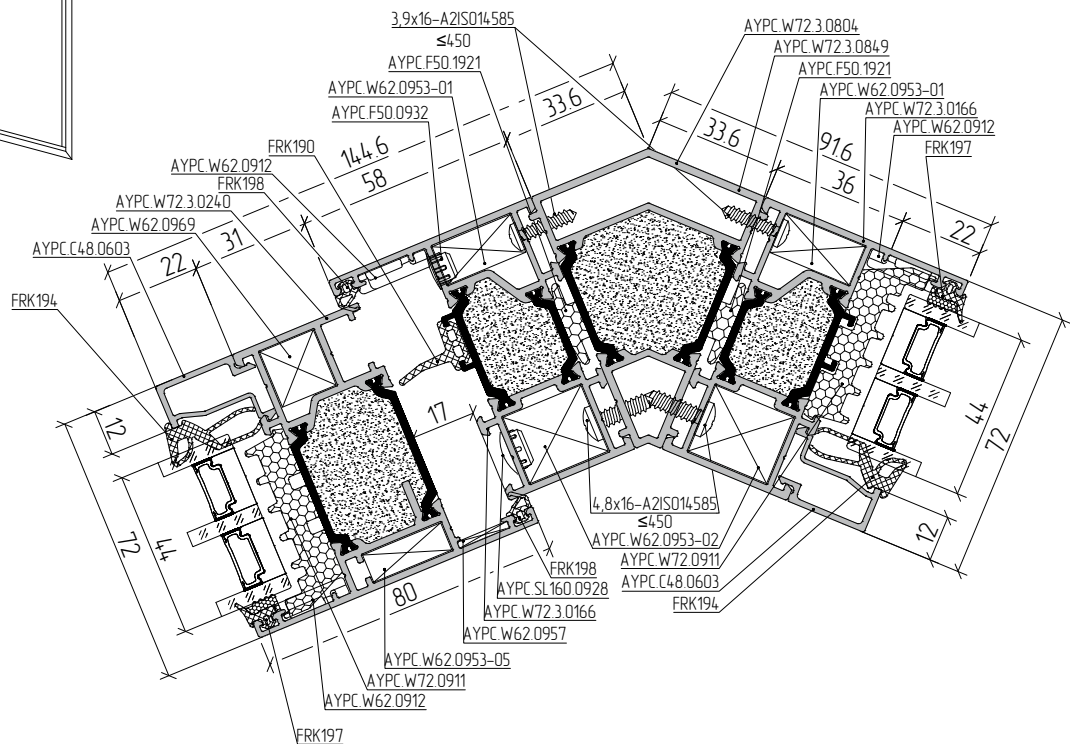
This option can not be applied to PAS 24



56-56

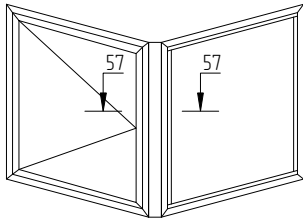


56a-56a

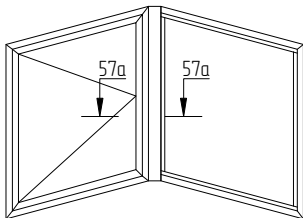
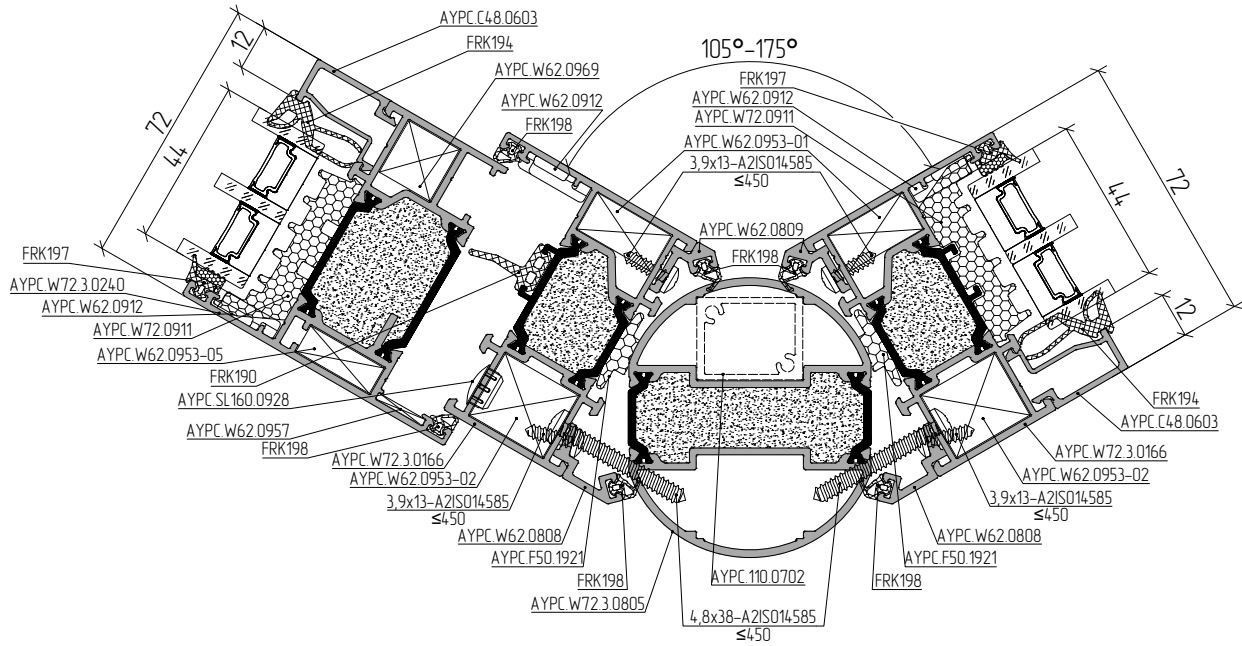


This option can not be applied to PAS 24

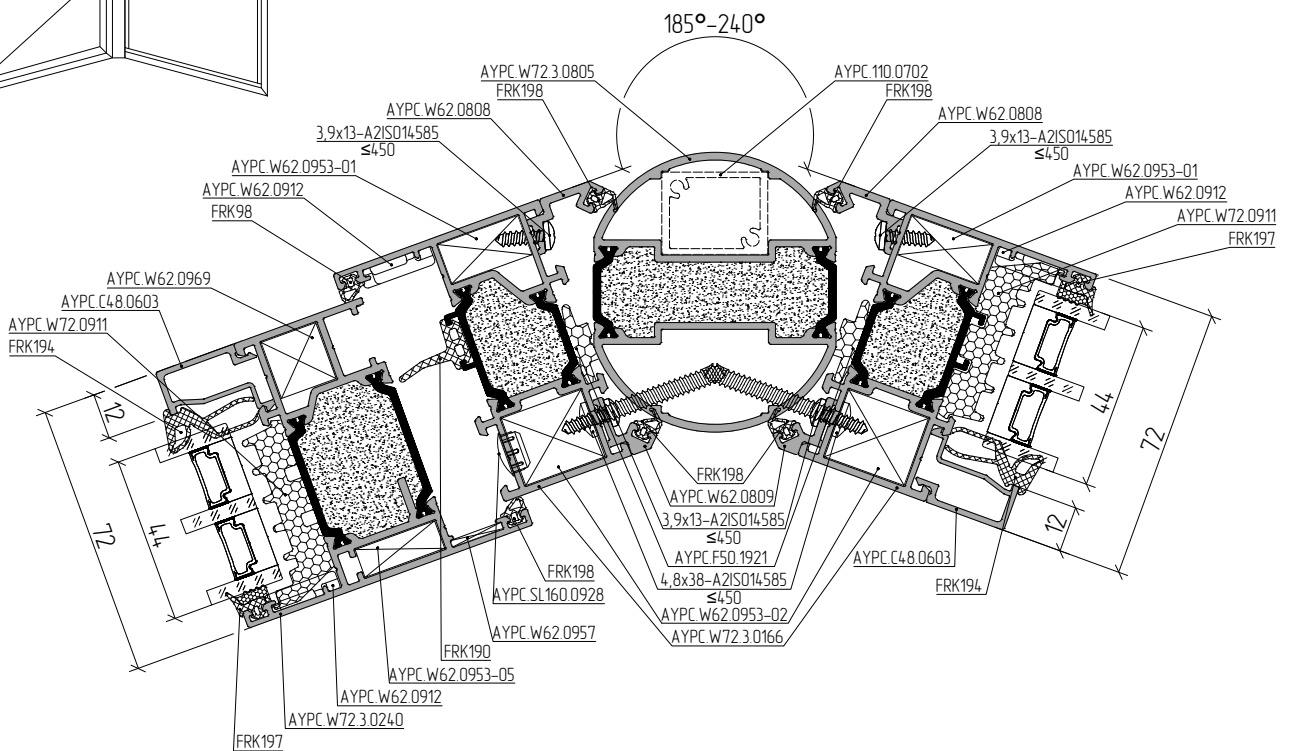
Scale 1:2

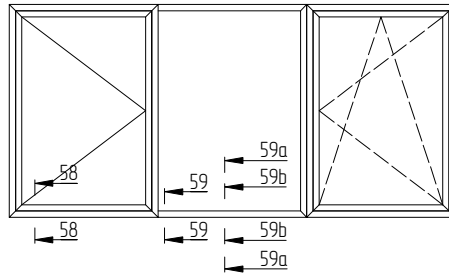


57-57

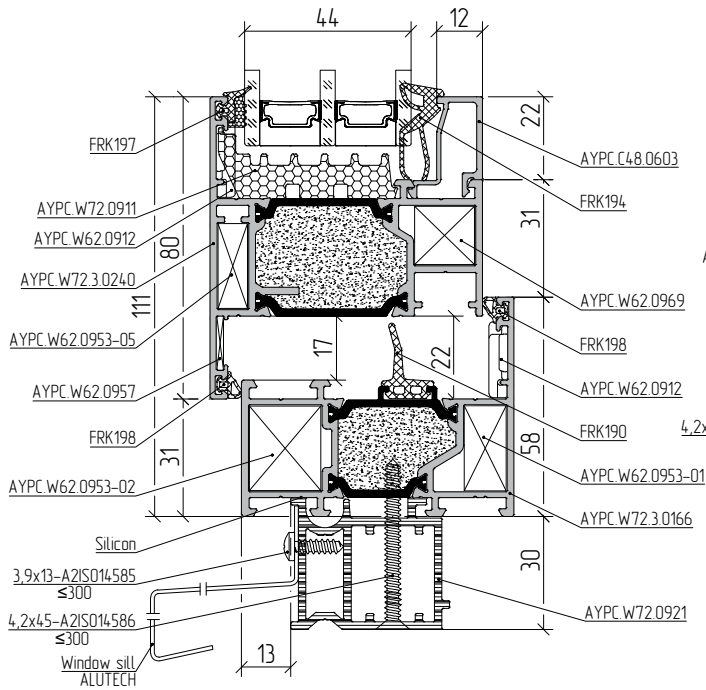


57a-57a

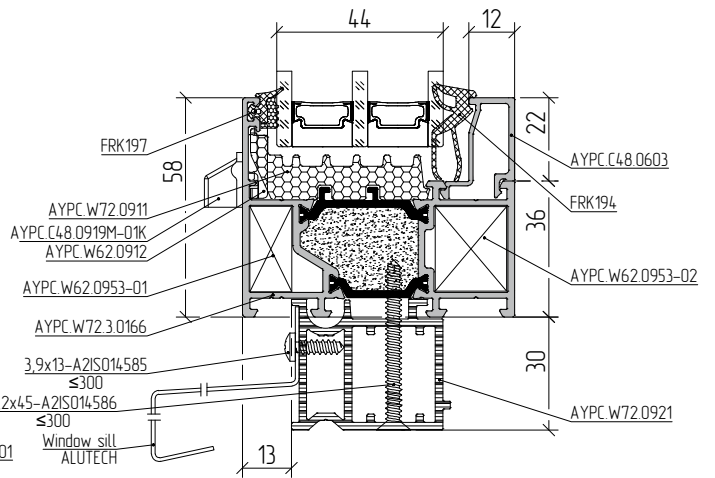




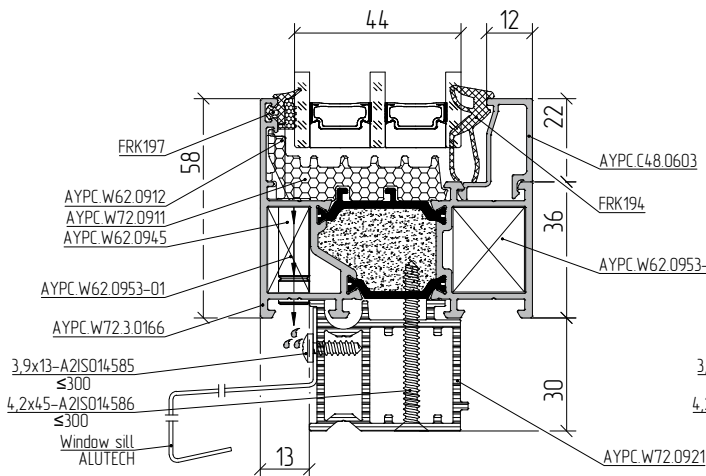
58-58



59-59



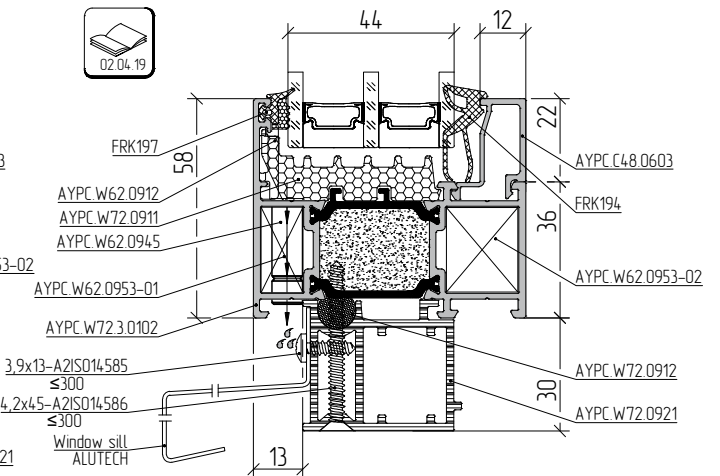
59a-59a



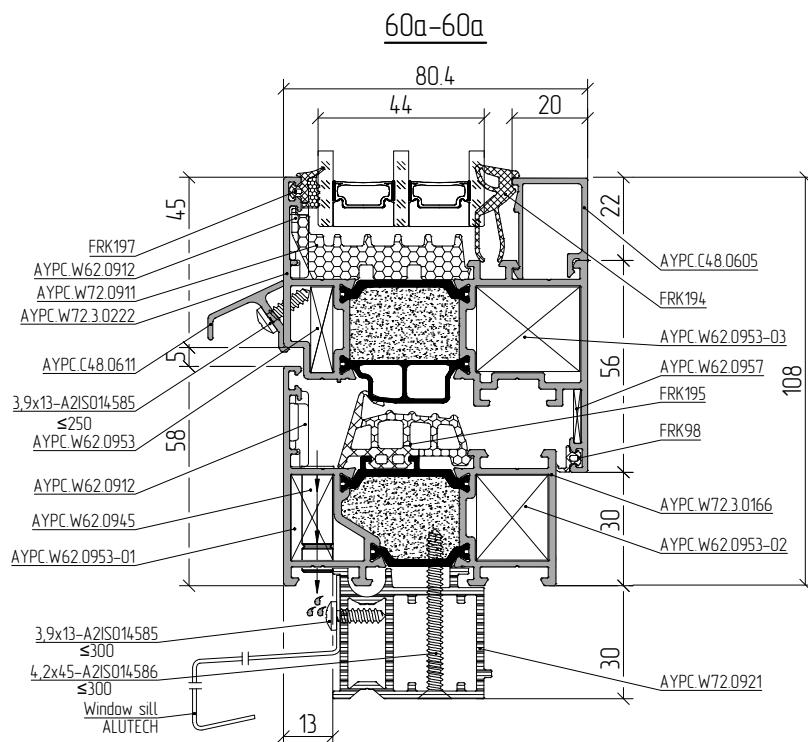
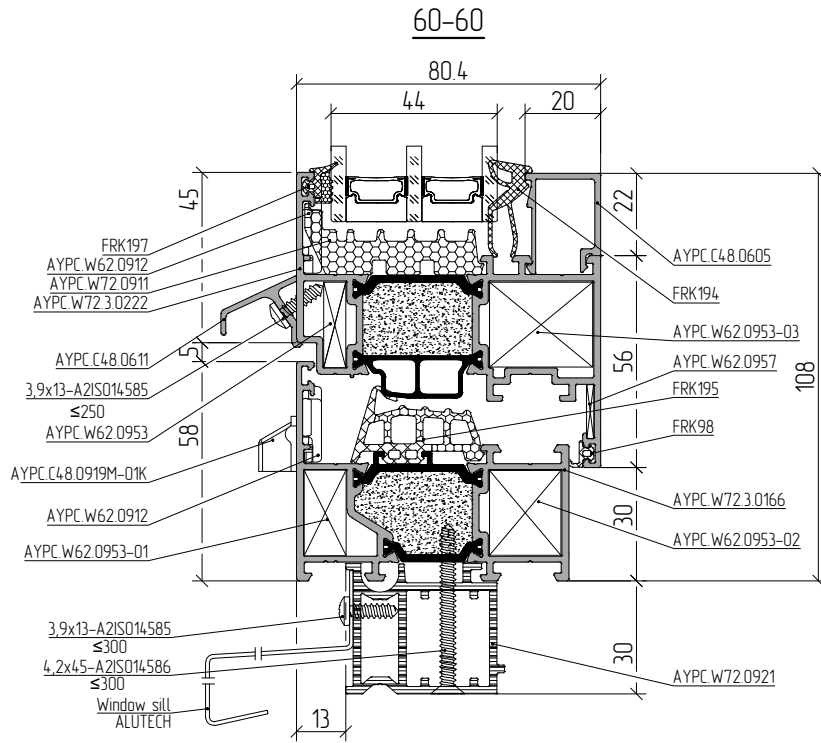
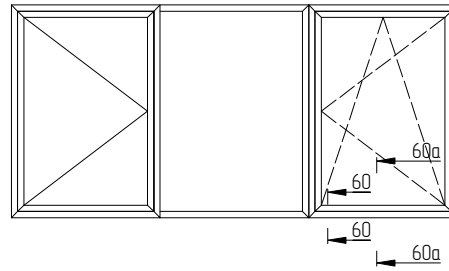
ALT W72



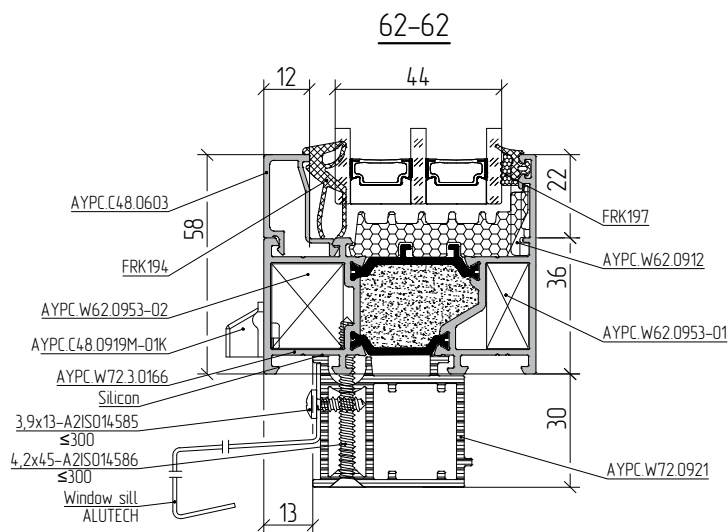
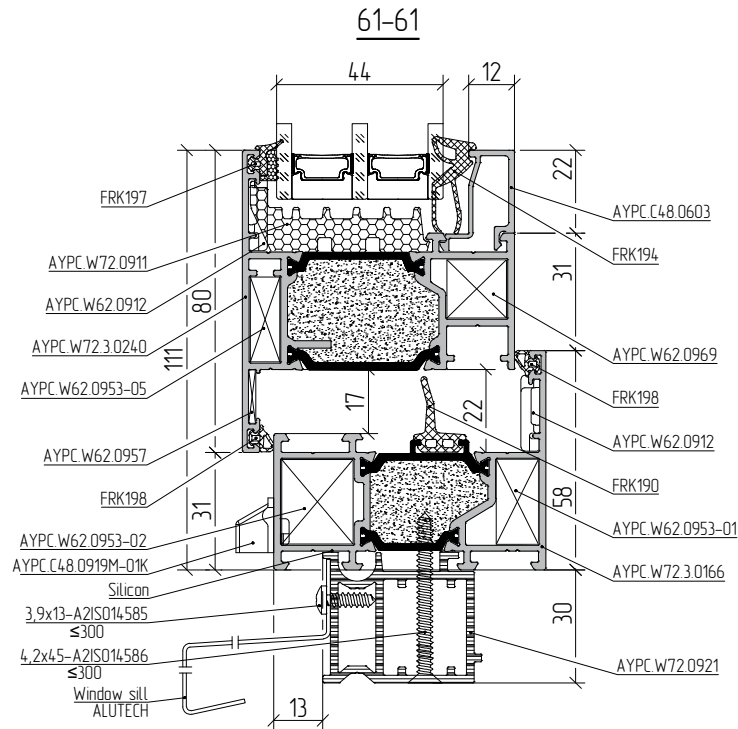
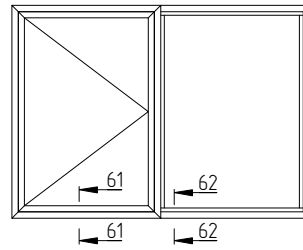
59b-59b

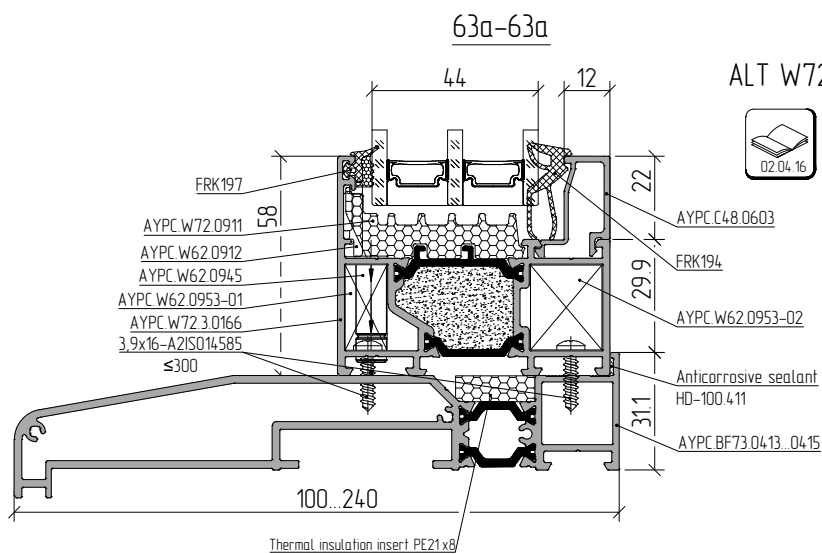
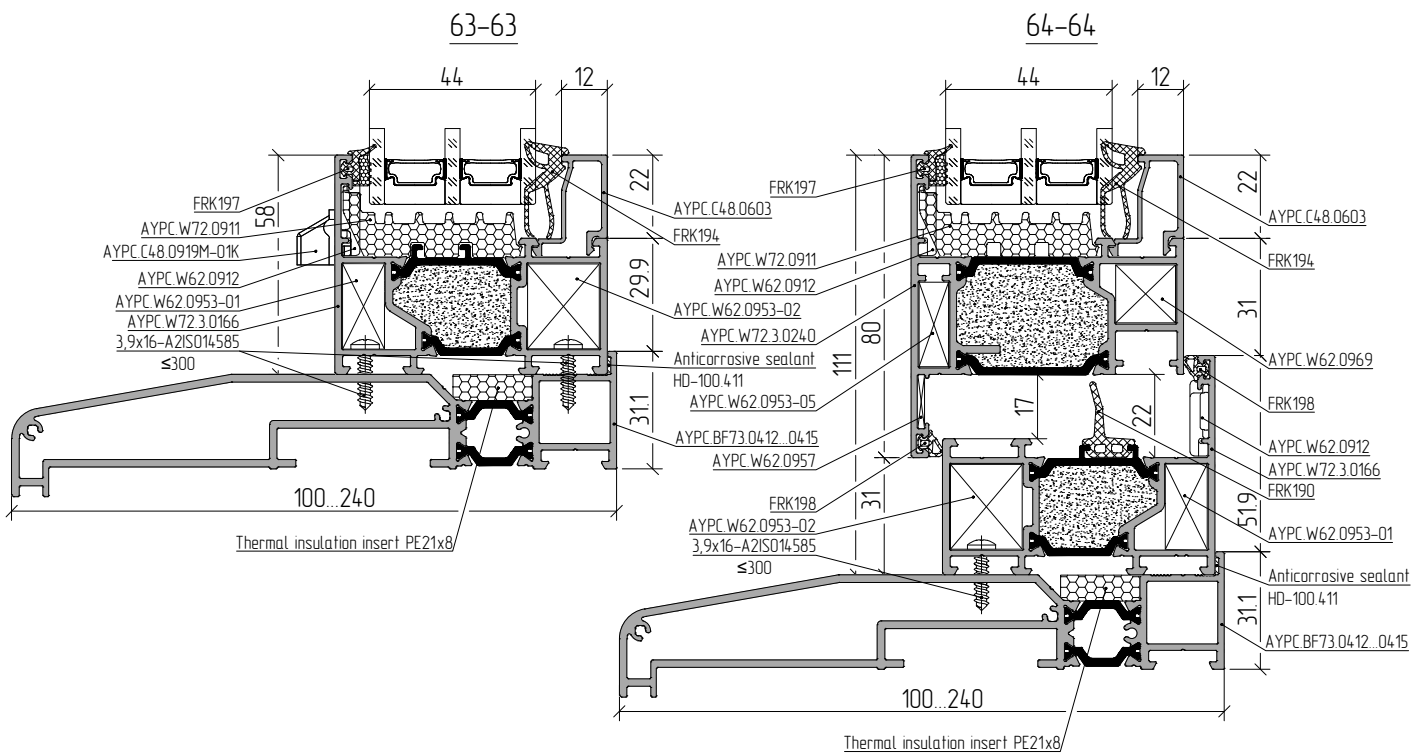
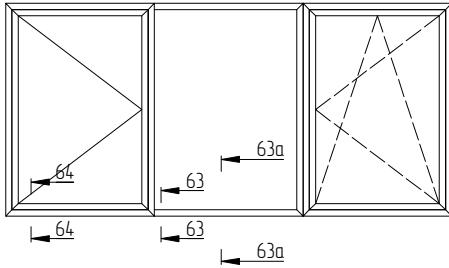


Scale 1:2







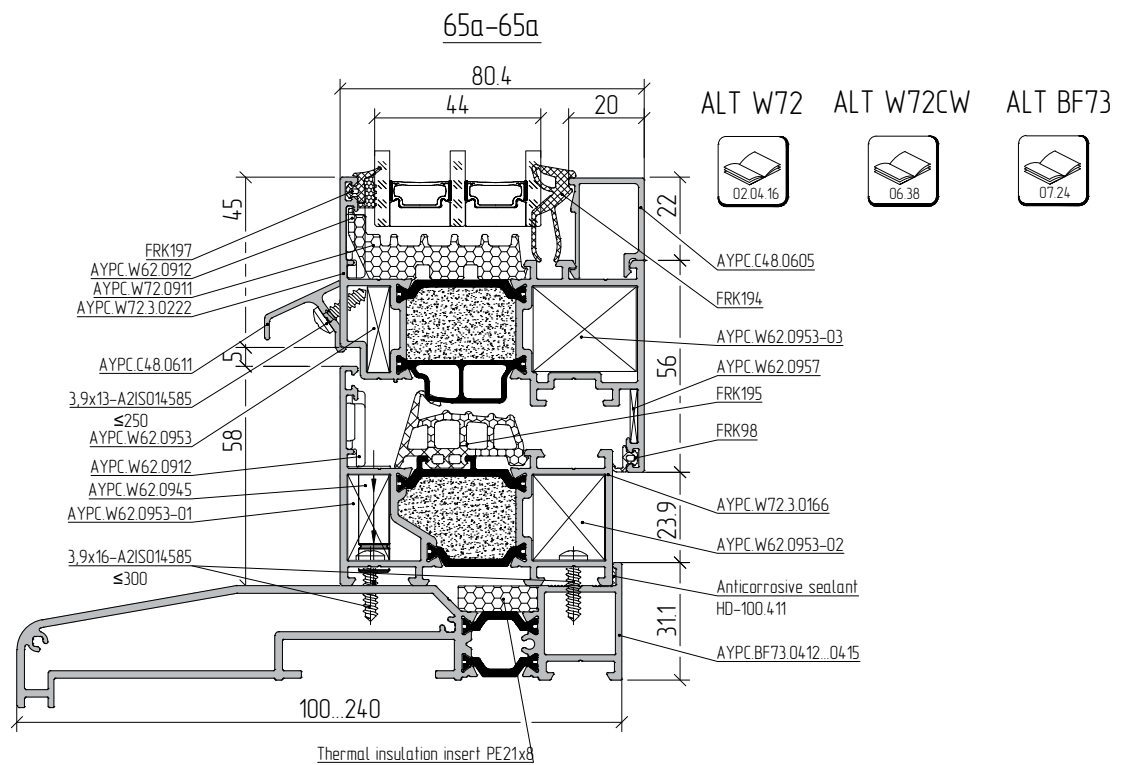
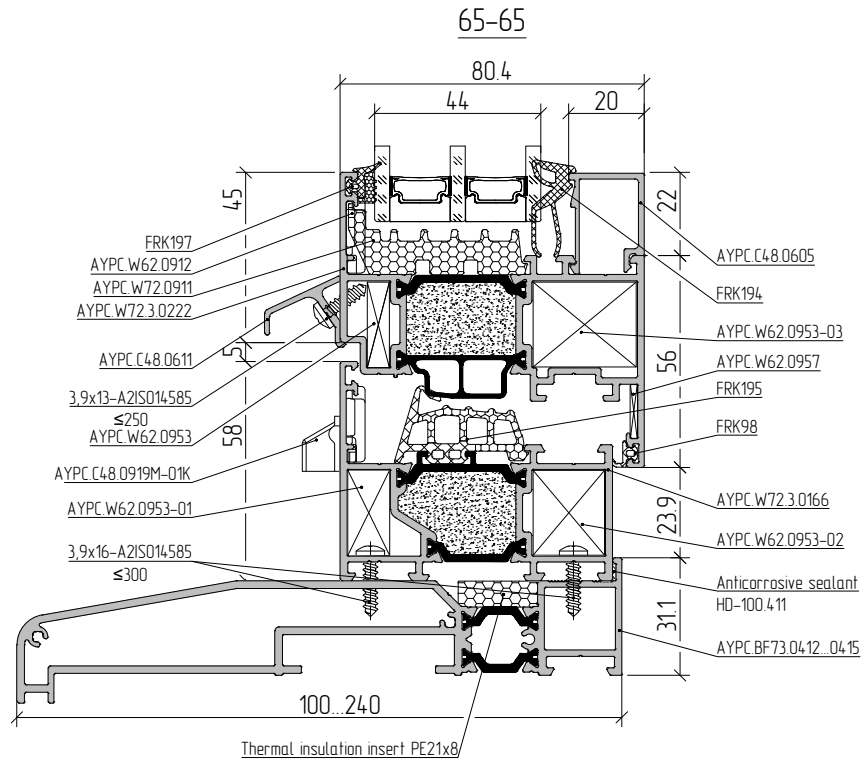
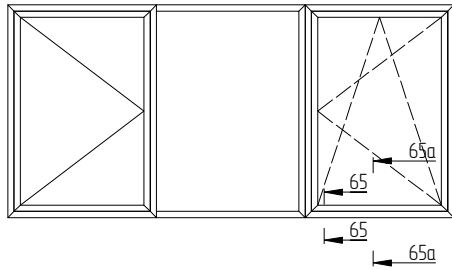


ALT W72

ALT W72CW

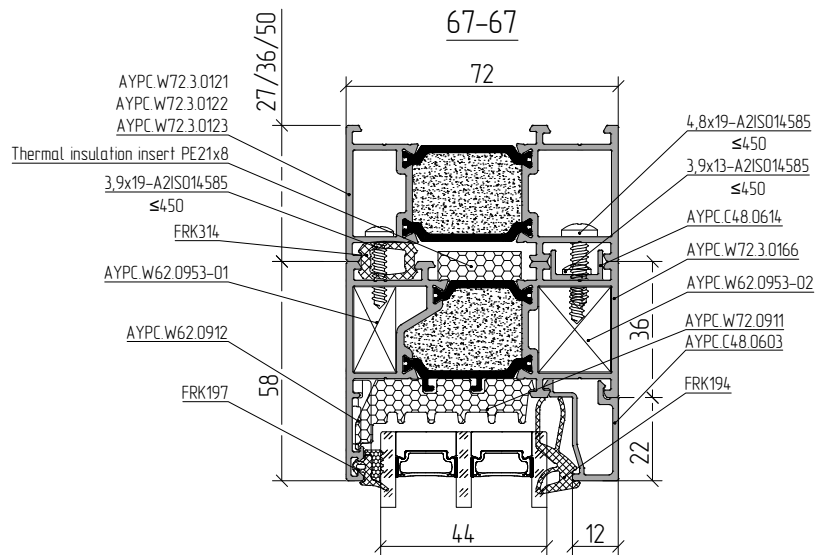
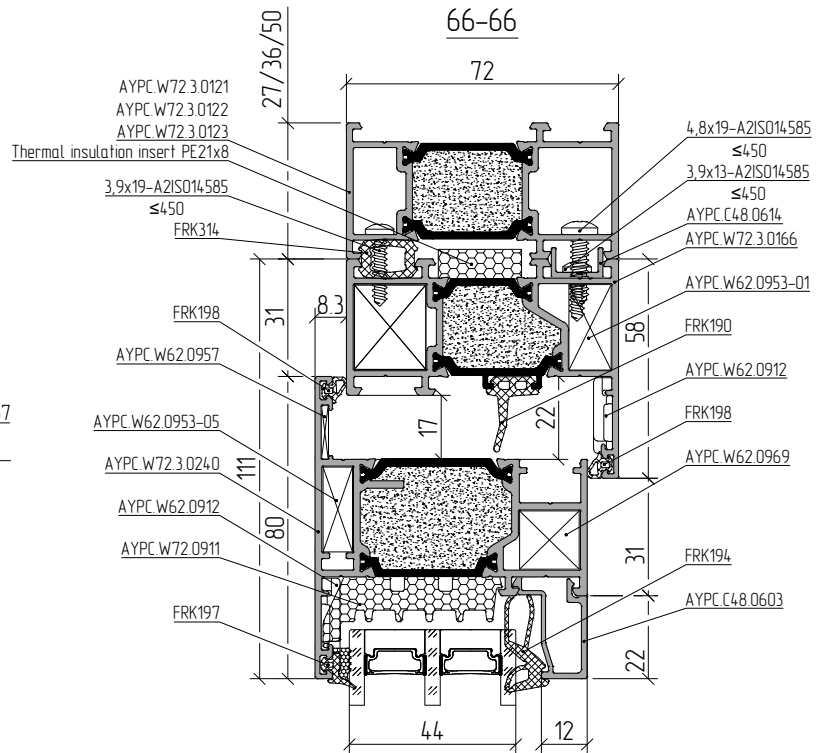
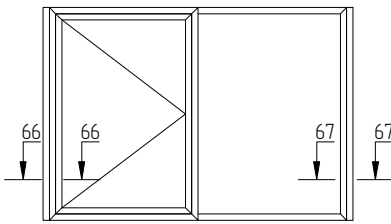
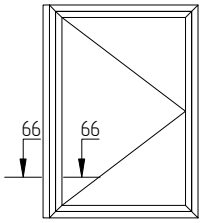
ALT BF73



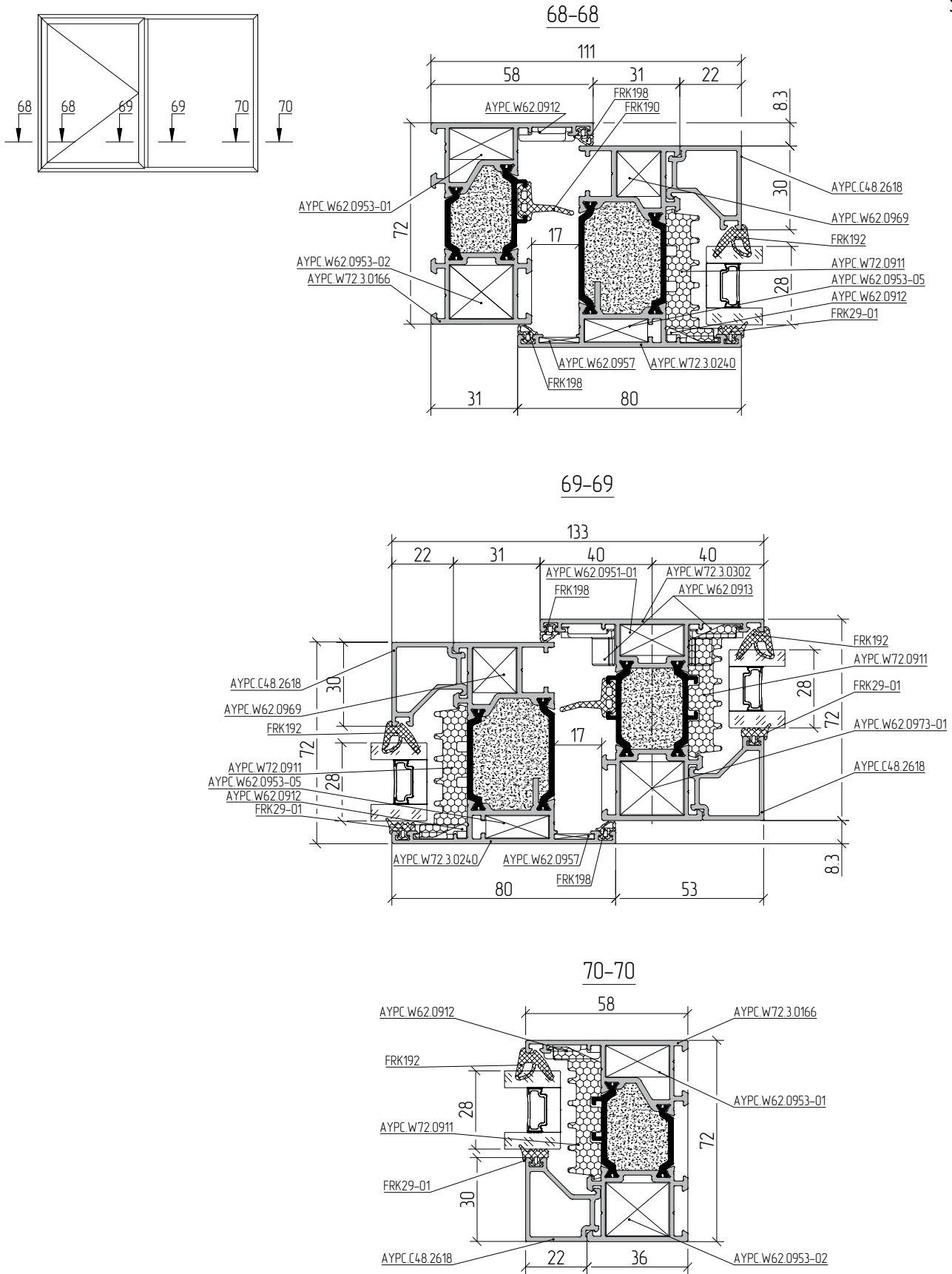




Scale 1:2

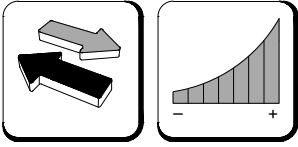


Scale 1:2

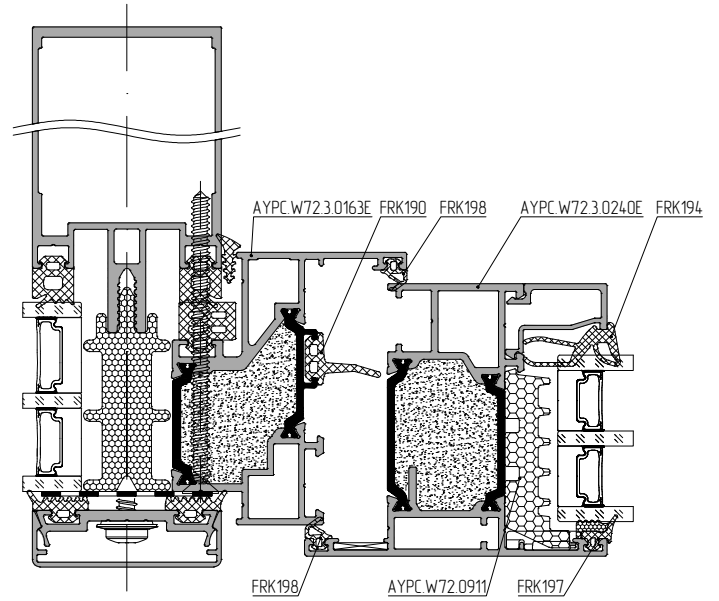
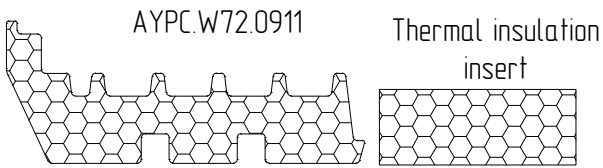
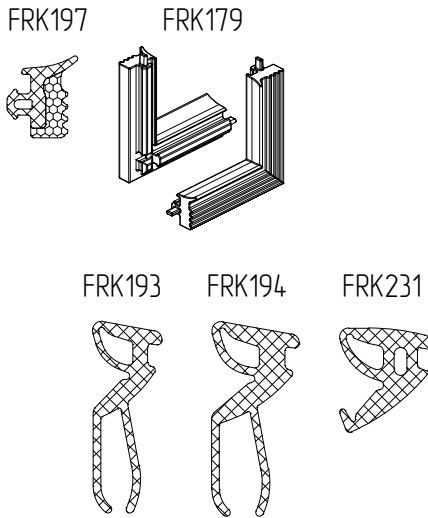


PAS24

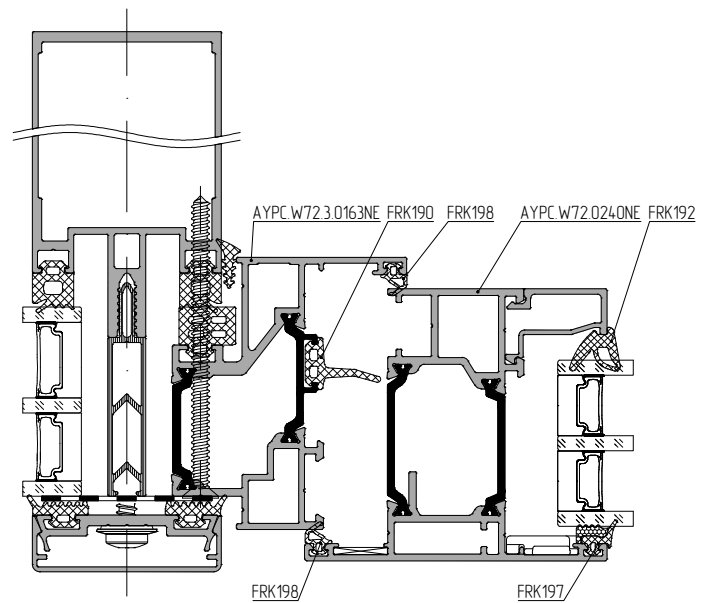
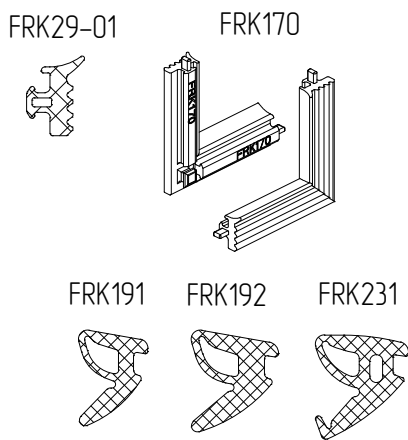
This option can be applied to PAS 24 for outside glazing



Option 1

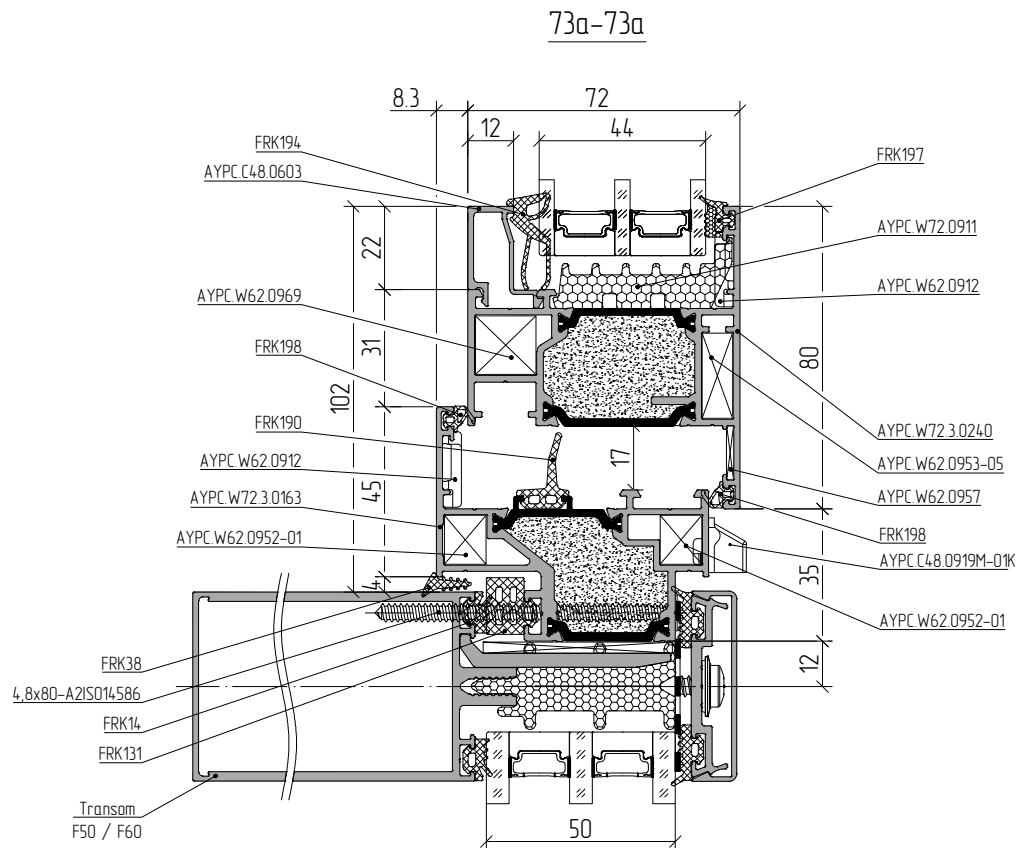
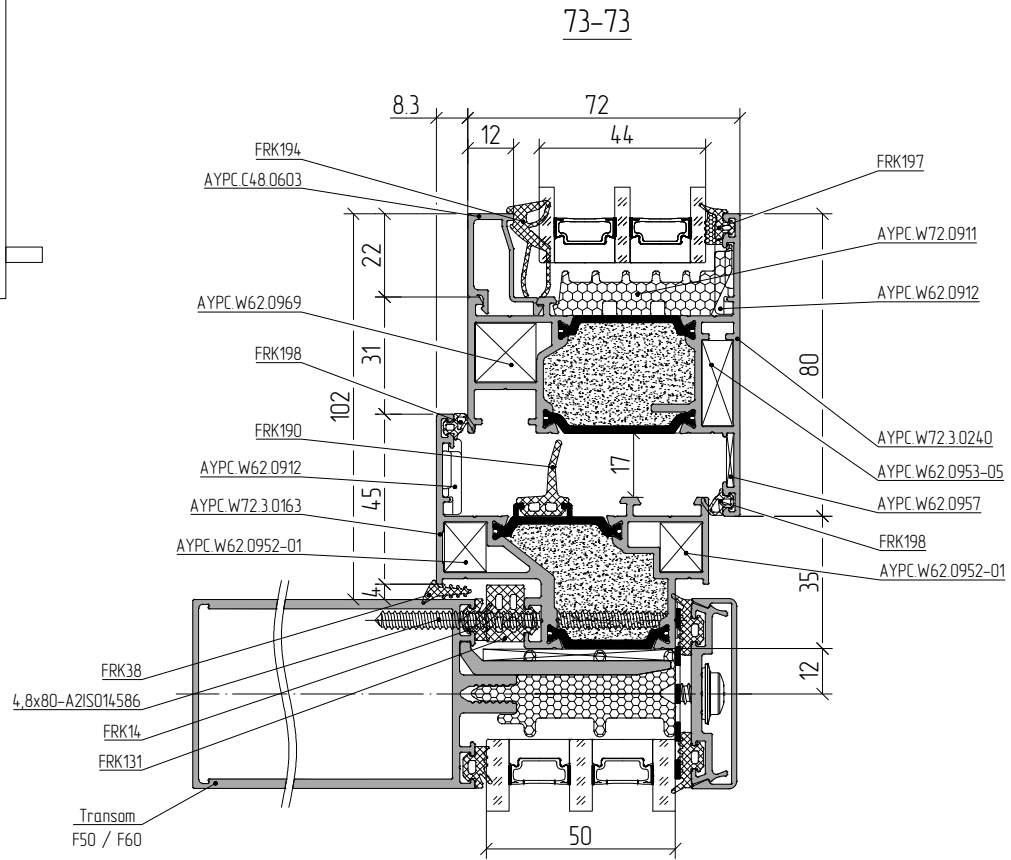
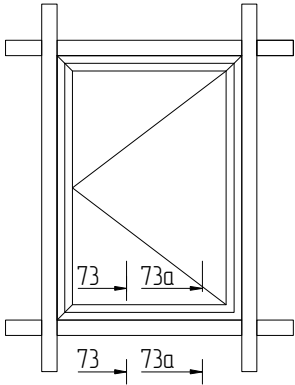


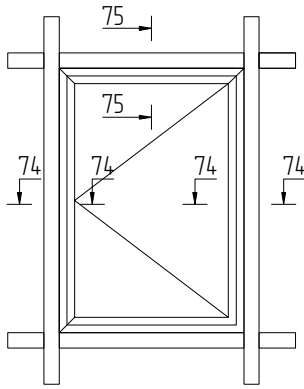
Option 2



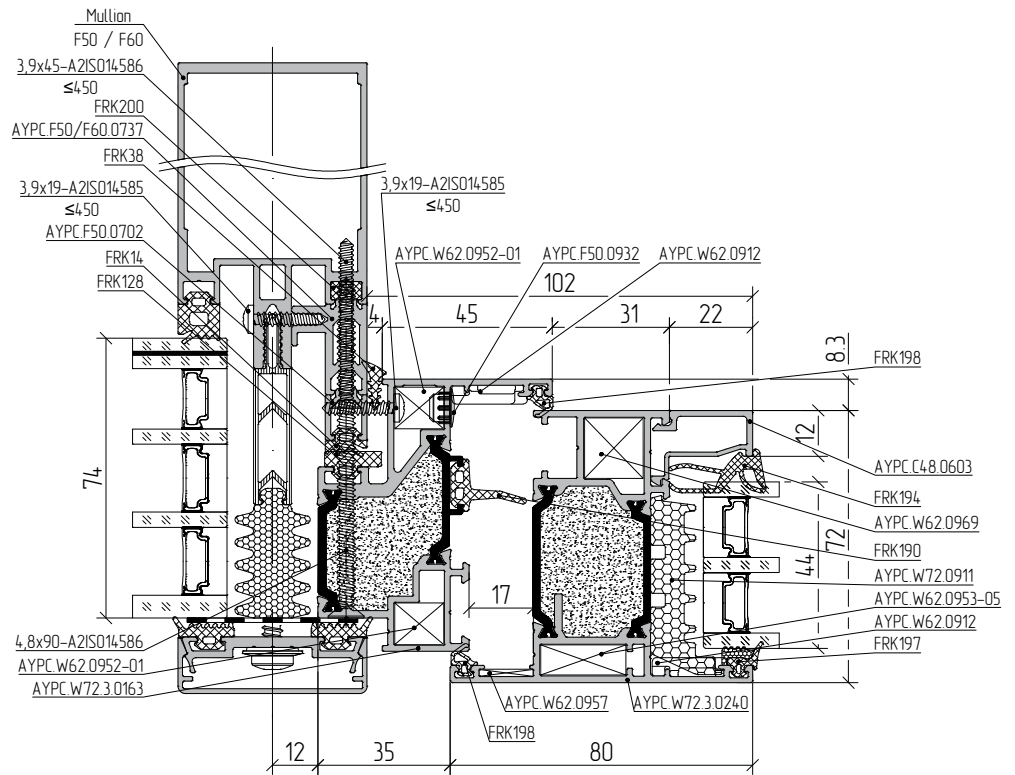


Scale 1:2

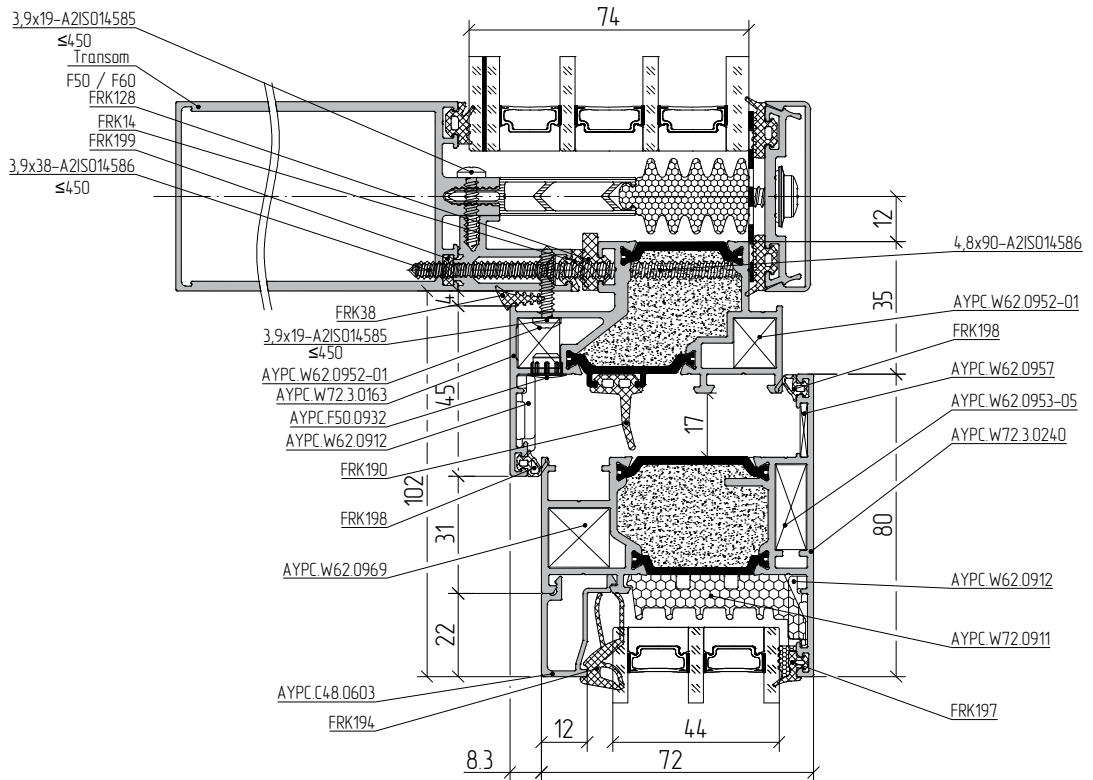




74-74

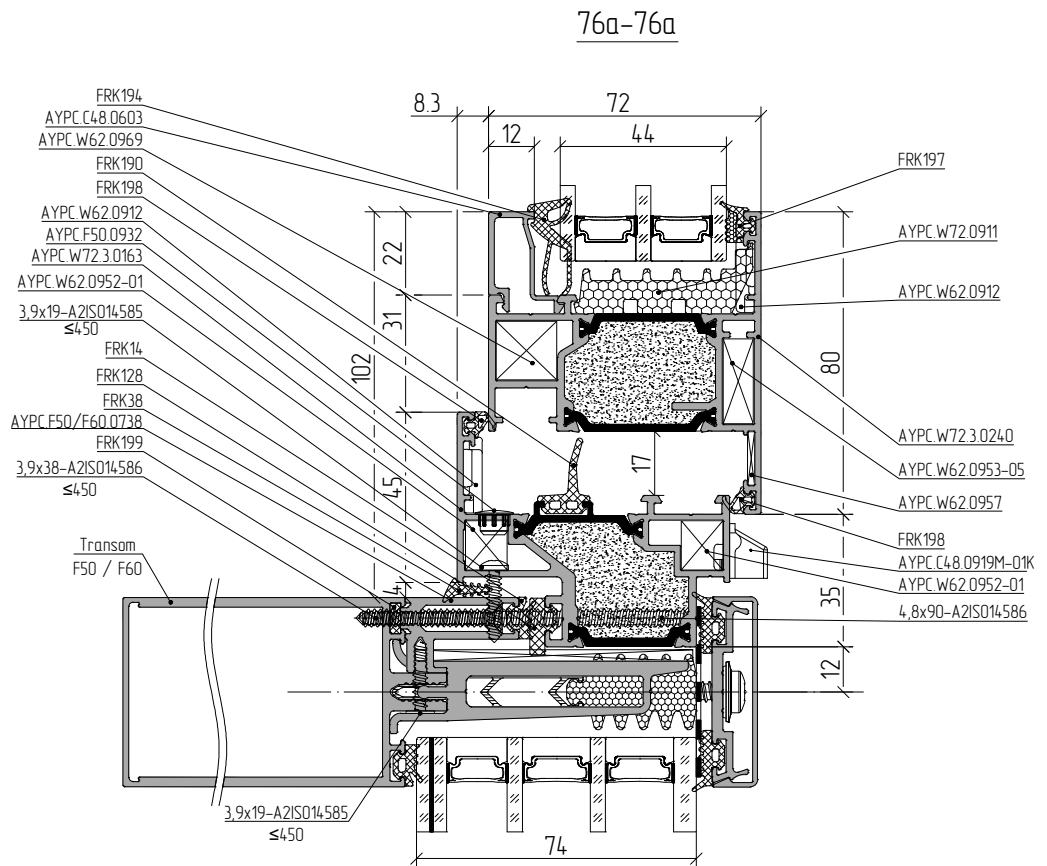
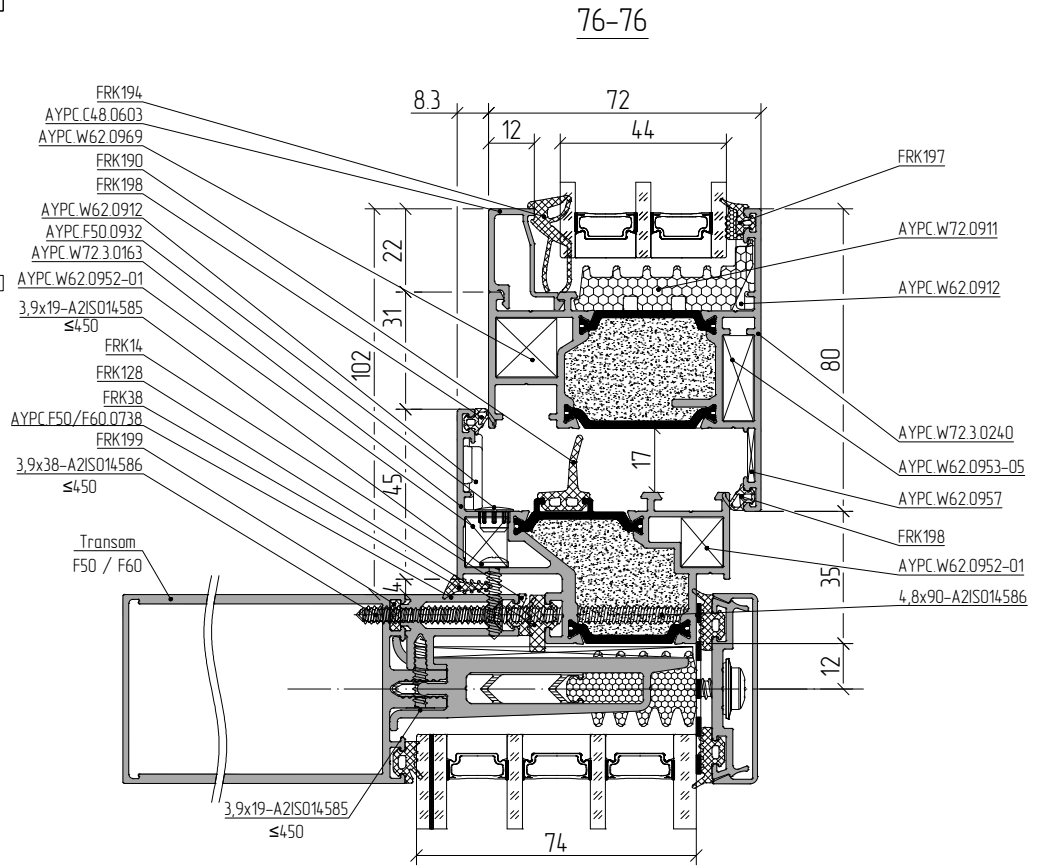
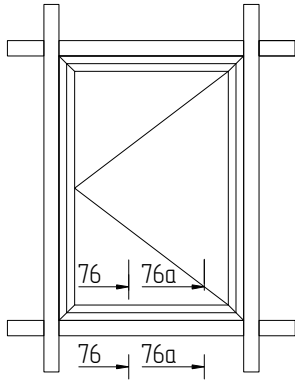


75-75

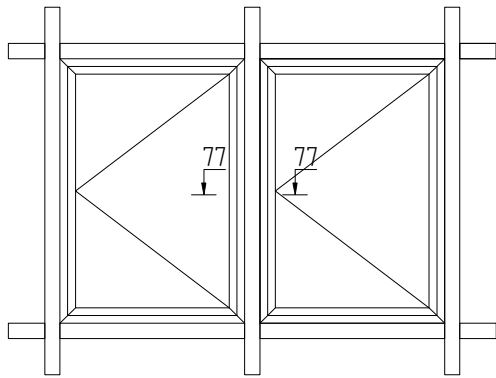




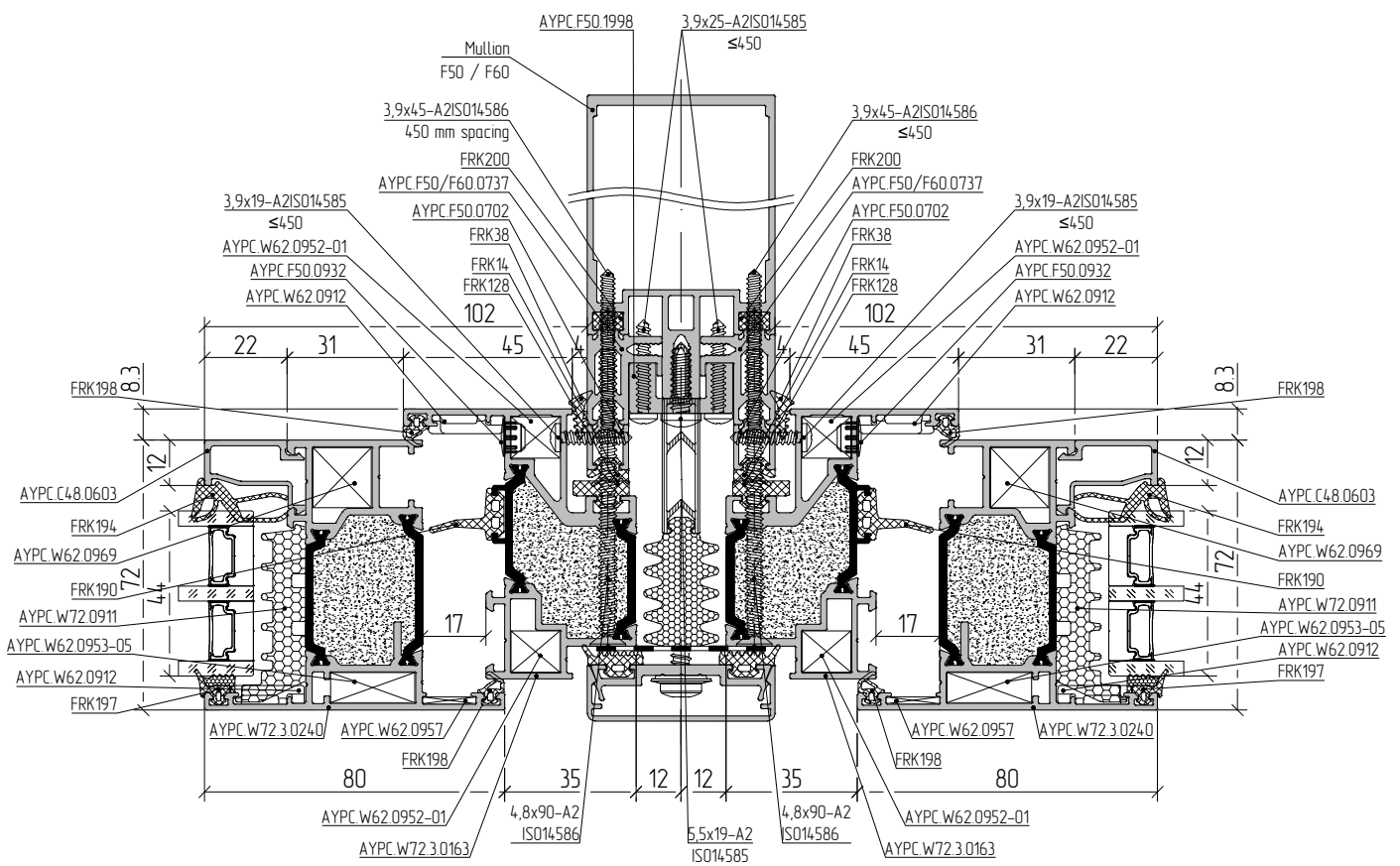
Scale 1:2



Scale 1:2

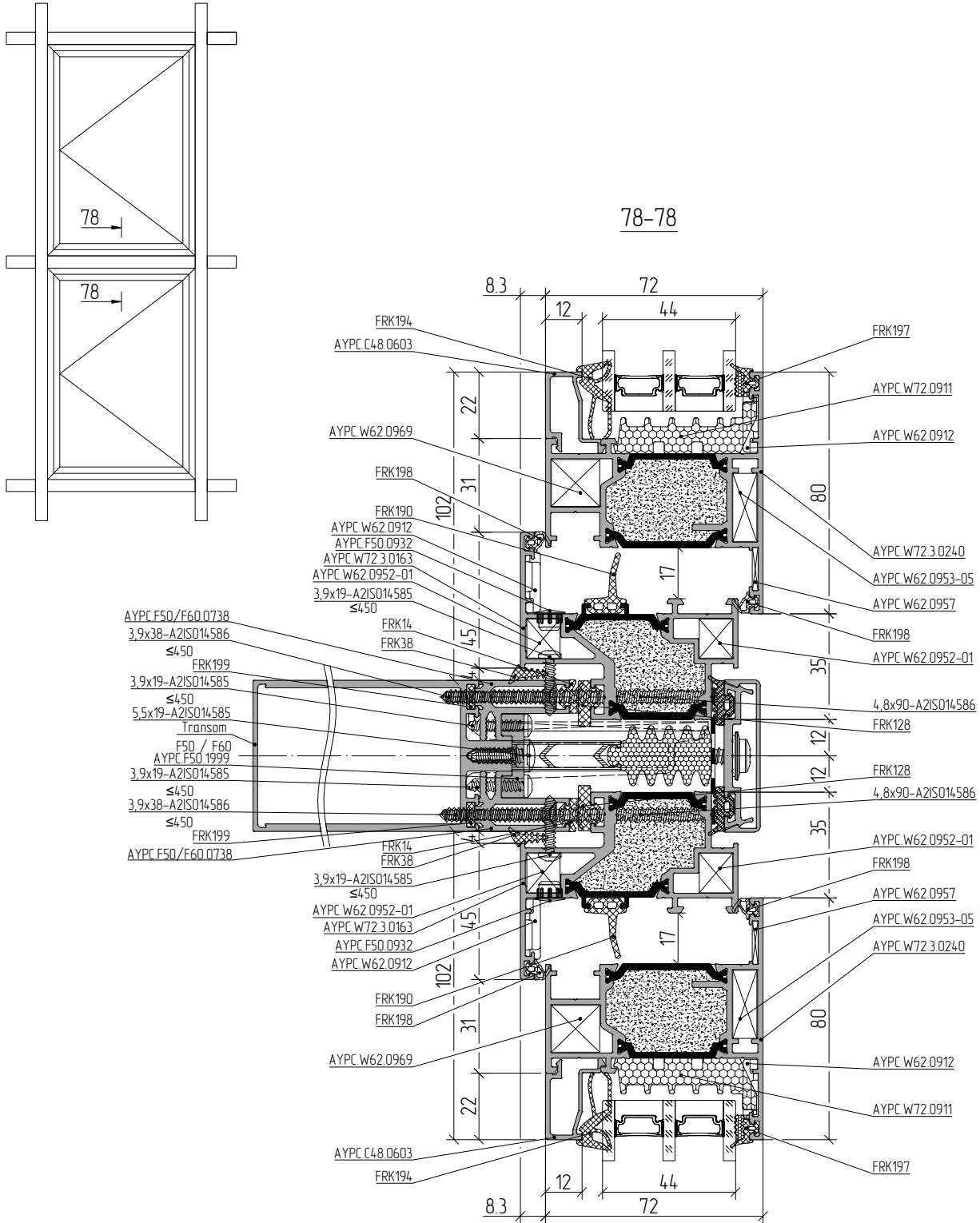


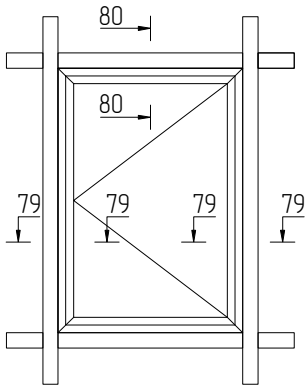
77-77



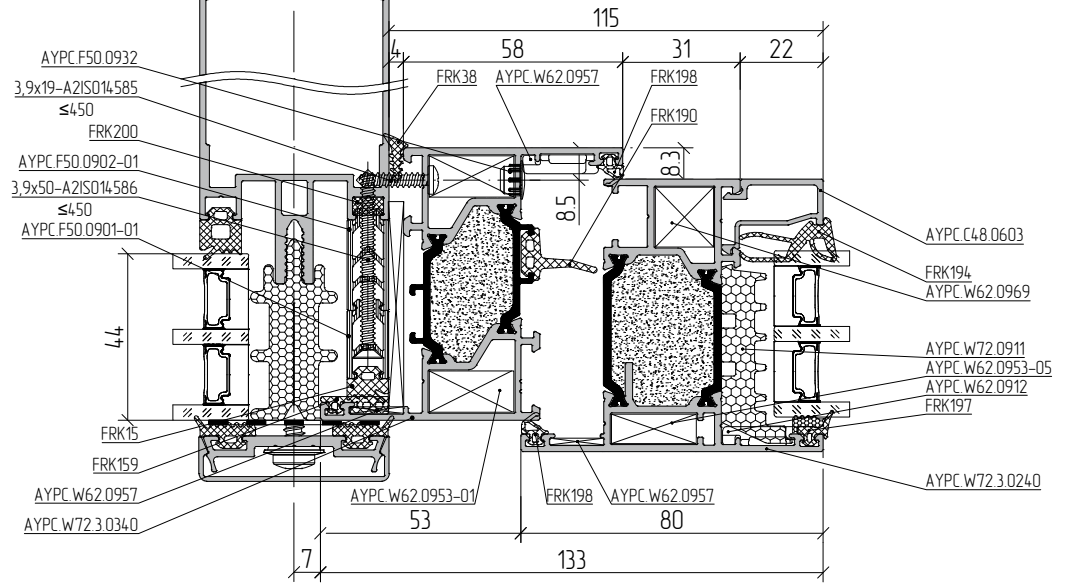


Scale 1:2

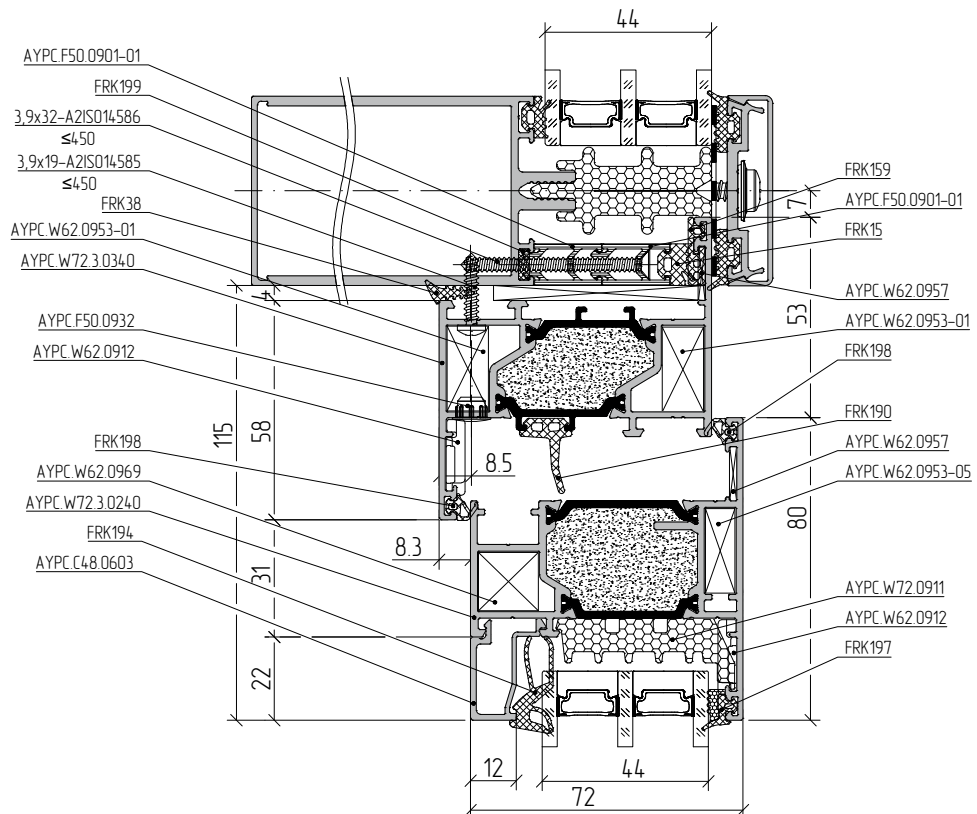




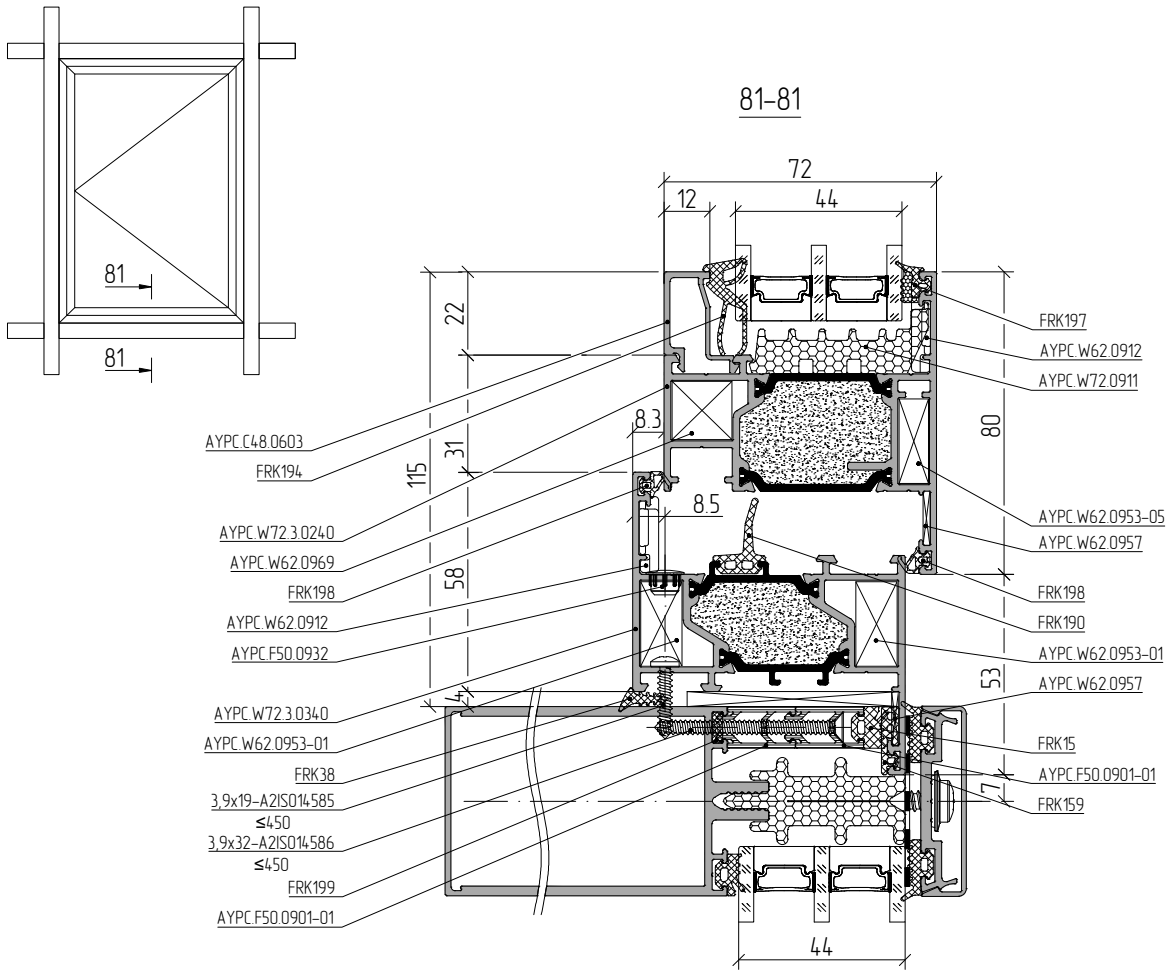
79-79



80-80



Scale 1:2





**ALUTECH ALTW72 CW**  
Window system with  
thermal break

# PROFILE MACHINING AND ASSEMBLAGE

01

02

03

04

05

06

07

08

09

10

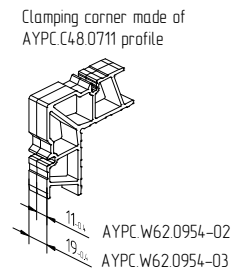
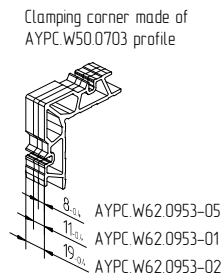
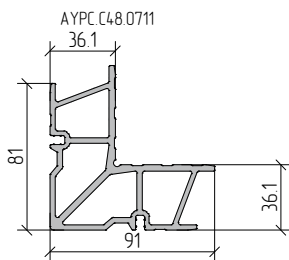
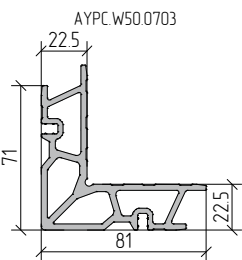
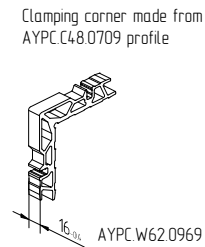
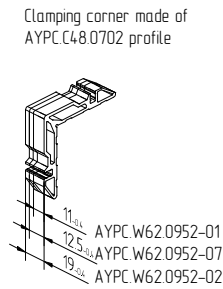
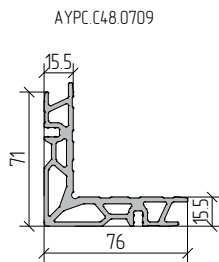
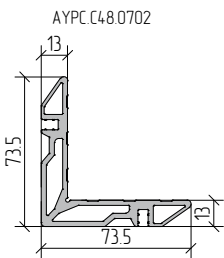


Equivalence table of clamping elements

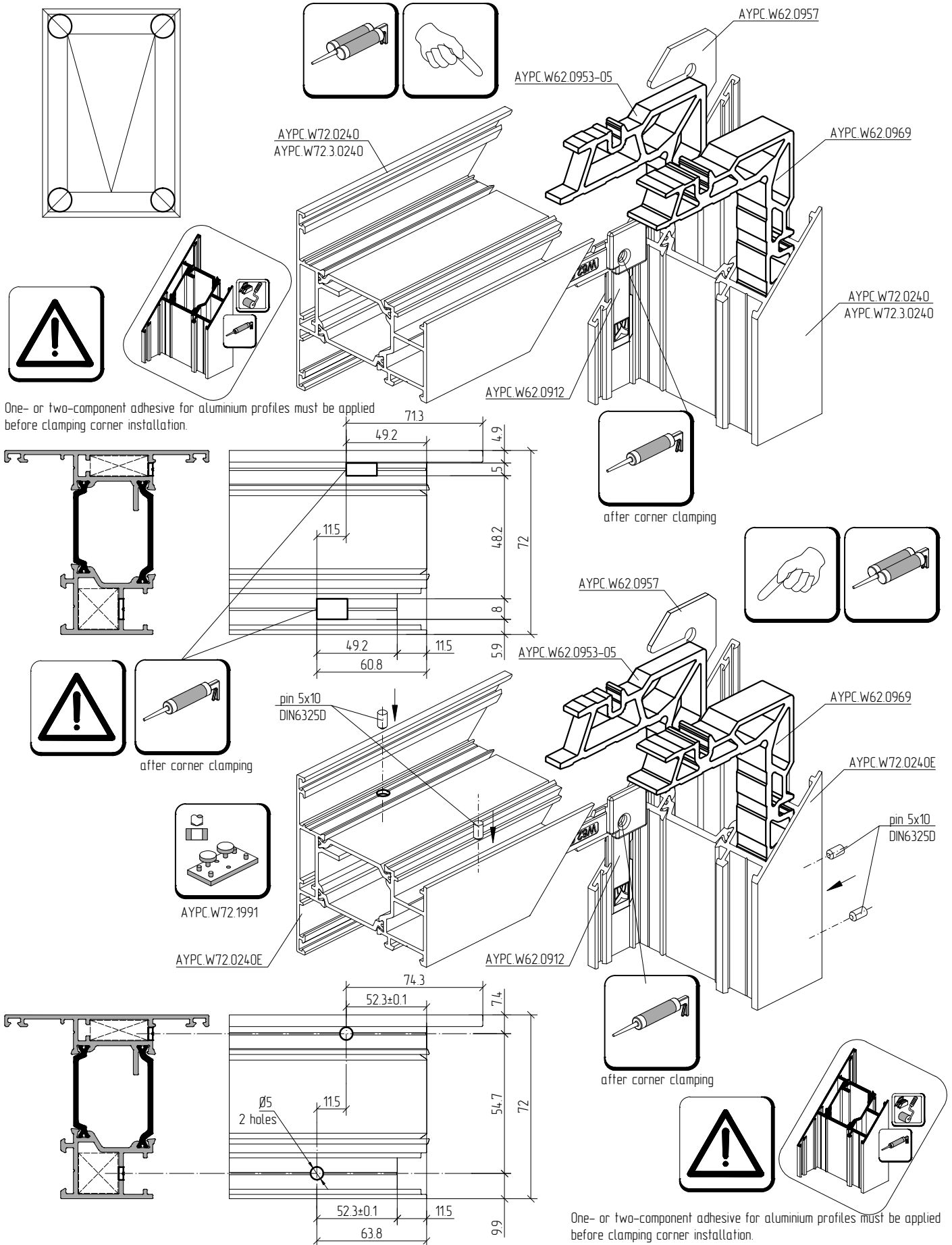
Equivalence table of clamping corners			Equivalence table of clamping corners			Equivalence table of clamping corners		
<p>Corner connection of transom bar profile AYPC.W62.0957</p>			<p>Corner connection of frame profiles for installation in facade</p>			<p>Corner connection of frame profile</p>		
Article	Clamping corner A	Clamping corner B	Article	Clamping corner A	Clamping corner B	Article	Clamping corner A	Clamping corner B
AYPC.W72.0339	AYPC.W62.0952-01	AYPC.W62.0952-01	AYPC.W72.3.0161	AYPC.W62.0952-01	AYPC.W62.0952-01	AYPC.W72.3.0165	AYPC.W62.0952-01	AYPC.W62.0952-02
AYPC.W72.0340	AYPC.W62.0953-01	AYPC.W62.0953-01	AYPC.W72.3.0162	AYPC.W62.0953-01	AYPC.W62.0953-01	AYPC.W72.3.0166	AYPC.W62.0953-01	AYPC.W62.0953-02
AYPC.W72.3.0339	AYPC.W62.0952-01	AYPC.W62.0952-01	AYPC.W72.3.0163	AYPC.W62.0952-01	AYPC.W62.0952-01	AYPC.W72.3.0167	AYPC.W62.0954-02	AYPC.W62.0954-03
AYPC.W72.3.0340	AYPC.W62.0953-01	AYPC.W62.0953-01	AYPC.W72.3.0164	AYPC.W62.0953-01	AYPC.W62.0953-01			
AYPC.W72.3.0341	AYPC.W62.0954-02	AYPC.W62.0954-02						

Equivalence table of clamping corners			Equivalence table of clamping corners		
<p>Corner connection of sash profiles AYPC.W62.0957</p>			<p>Corner connection of adapter profile AYPC.W62.0912</p>		
Article	Clamping corner A	Clamping corner B	Article	Clamping corner A	Clamping corner B
AYPC.W72.0240	AYPC.W62.0953-05	AYPC.W62.0969	AYPC.W72.0820	AYPC.W62.0952-01	AYPC.W62.0952-07
AYPC.W72.3.0240	AYPC.W62.0953-05	AYPC.W62.0969	AYPC.W72.3.0820	AYPC.W62.0952-01	AYPC.W62.0952-07

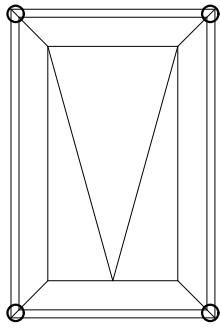
Corner crimping profiles



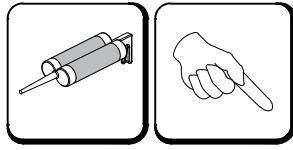
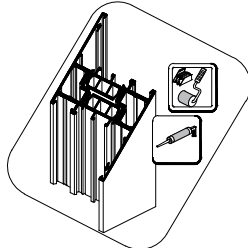
AYPC.W72.0240/AYPC.W72.3.0240 profile corner joint by clamping and using pin 5 x10 pins



Transom bar corner connection by crimping and using pins



One- or two-component adhesive for aluminium profiles must be applied before clamping corner installation.

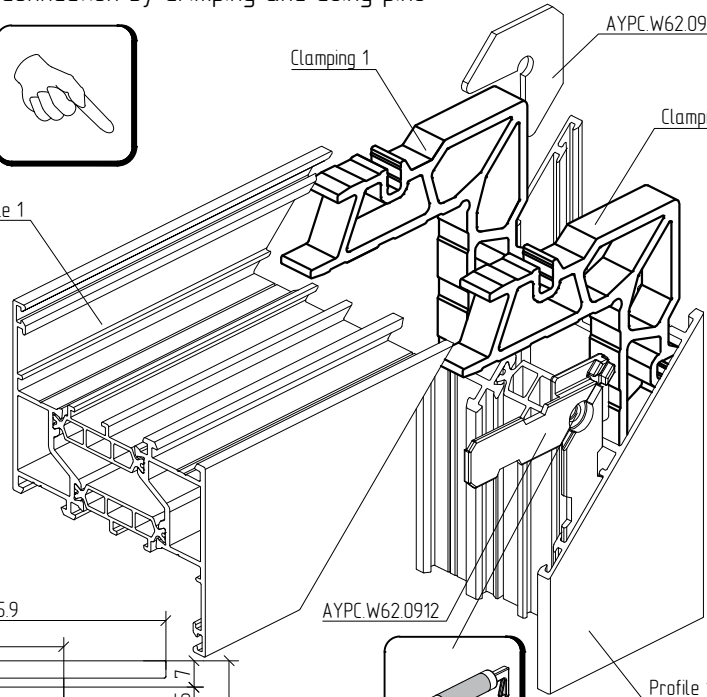


Profile 1

Clamping 1

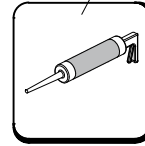
AYPC.W62.0957

Clamping 2

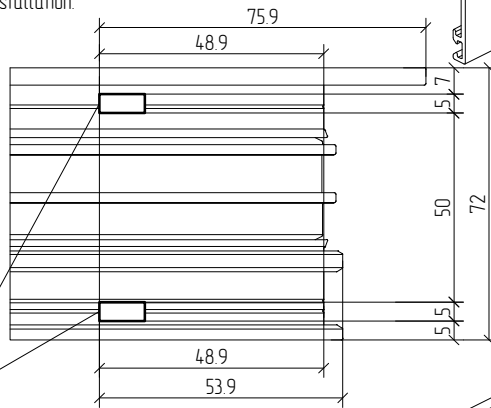
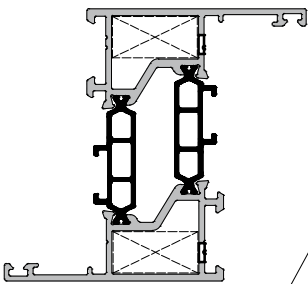


AYPC.W62.0912

Profile 1



after corner clamping

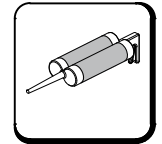


AYPC.W62.0957

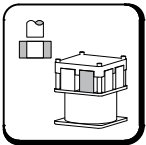
Clamping 1



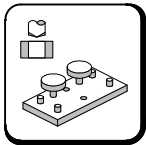
after corner clamping



Clamping 2

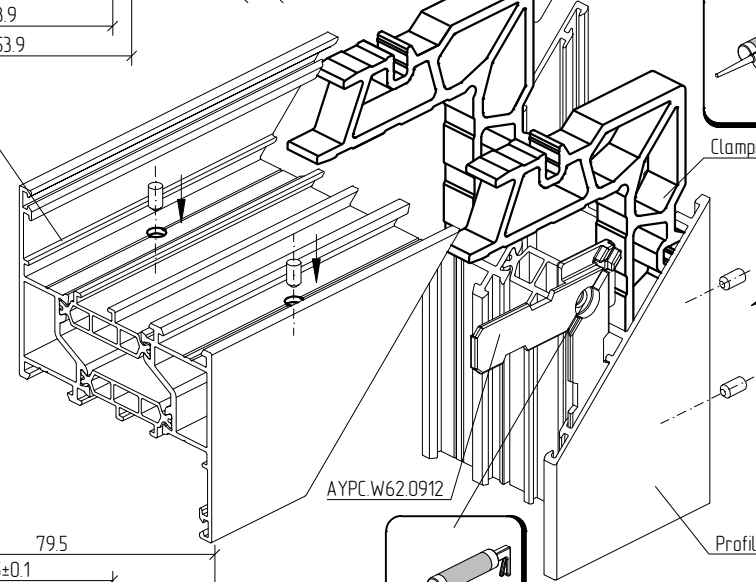


PMW77.4



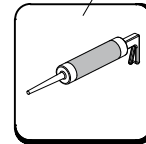
AYPC.W72.1992

Profile 1

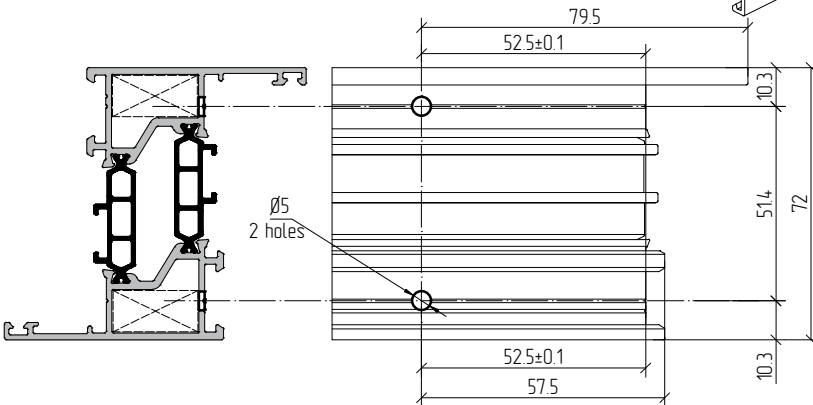


AYPC.W62.0912

Profile 1



after corner clamping



Profile 1	Clamping 1		Clamping 2	
	Article	Qty, pcs	Article	Qty, pcs
AYPC.W72.0339	AYPC.W62.0952-01	1	AYPC.W62.0952-01	1
AYPC.W72.0340	AYPC.W62.0953-01	1	AYPC.W62.0953-01	1
AYPC.W72.3.0339	AYPC.W62.0952-01	1	AYPC.W62.0952-01	1
AYPC.W72.3.0340	AYPC.W62.0953-01	1	AYPC.W62.0953-01	1
AYPC.W72.3.0341	AYPC.W62.0954-02	1	AYPC.W62.0954-02	1



Frame and transom bar corner connection by crimping and using pins

Clamping 1

Clamping 2

Profile 1

Profile 2

AYPC.W62.0912

removable part of profile 2

Profile 2

after corner clamping

Profile 1

Profile 2

after corner clamping

Profile 2 processing

removable part

45°

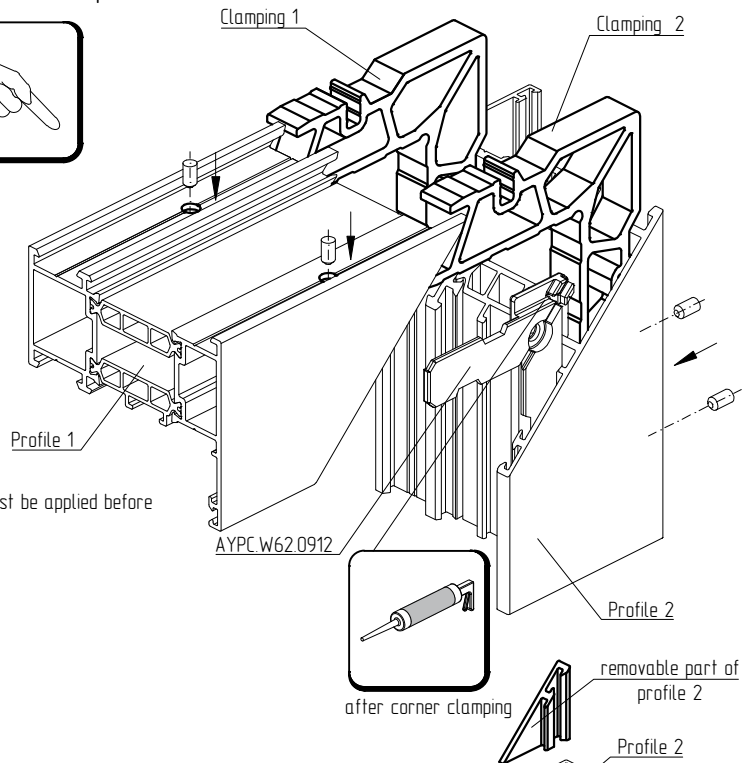
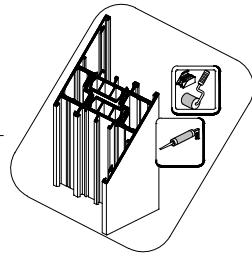
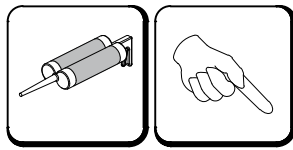
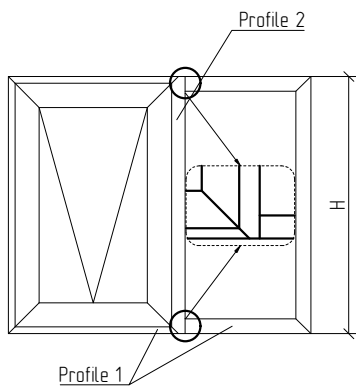
H

L<sub>Profile 2</sub>=H+22x2

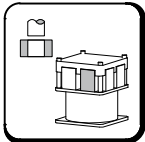
22

Profile 1	Profile 2	Clamping 1		Clamping 2	
		Article	Qty. pcs	Article	Qty. pcs
AYPC.W72.0101	AYPC.W72.0339	AYPC.W62.0952-01	1	AYPC.W62.0952-01	1
AYPC.W72.0102	AYPC.W72.0339	AYPC.W62.0953-01	1	AYPC.W62.0953-01	1
	AYPC.W72.0340				
AYPC.W72.0103	AYPC.W72.0341	AYPC.W62.0954-02	1	AYPC.W62.0954-02	1
AYPC.W72.0165	AYPC.W72.0339	AYPC.W62.0952-01	1	AYPC.W62.0952-01	1
AYPC.W72.0166	AYPC.W72.0339	AYPC.W62.0953-01	1	AYPC.W62.0953-01	1
	AYPC.W72.0340				
AYPC.W72.0167	AYPC.W72.0341	AYPC.W62.0954-02	1	AYPC.W62.0954-02	1

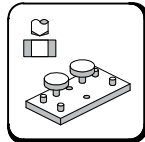
Frame and transom bar corner connection with pins



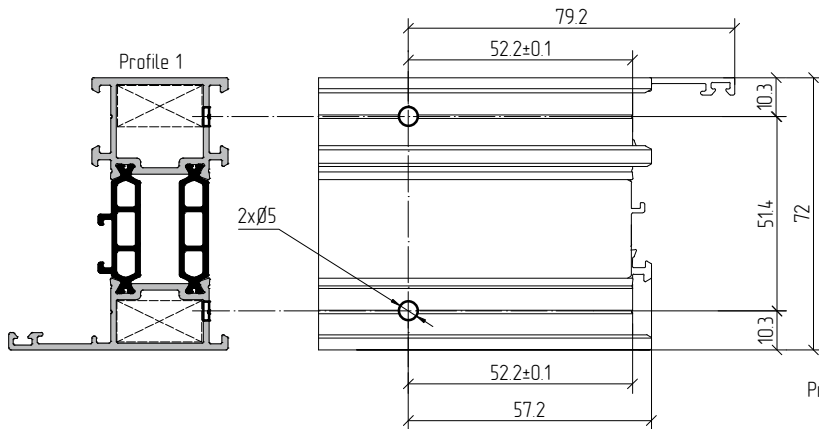
One- or two-component adhesive for aluminium profiles must be applied before clamping corner installation.



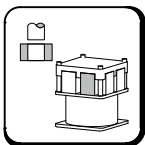
PMW77.4



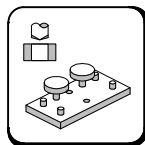
AYPC.W72.1981



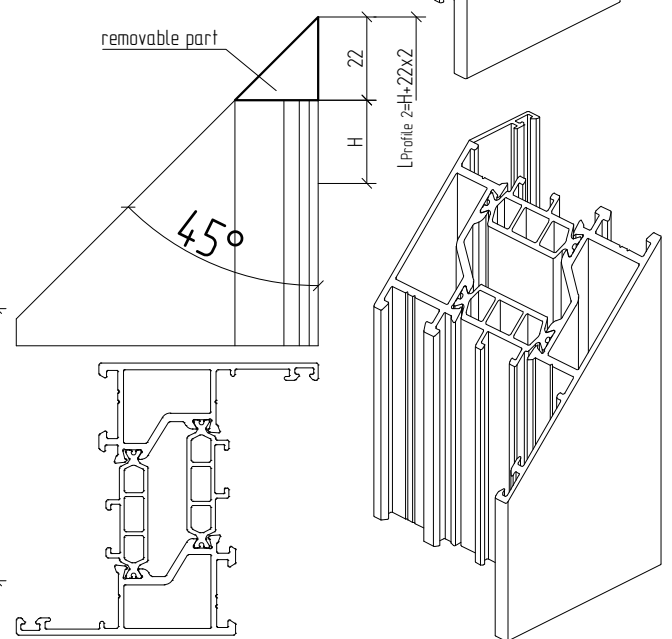
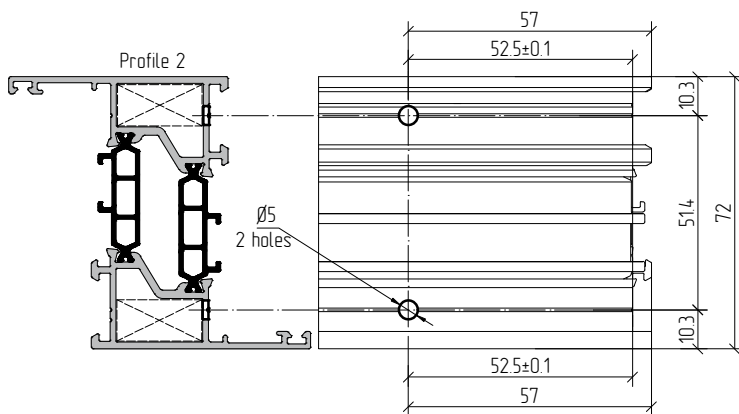
Profile 2 processing



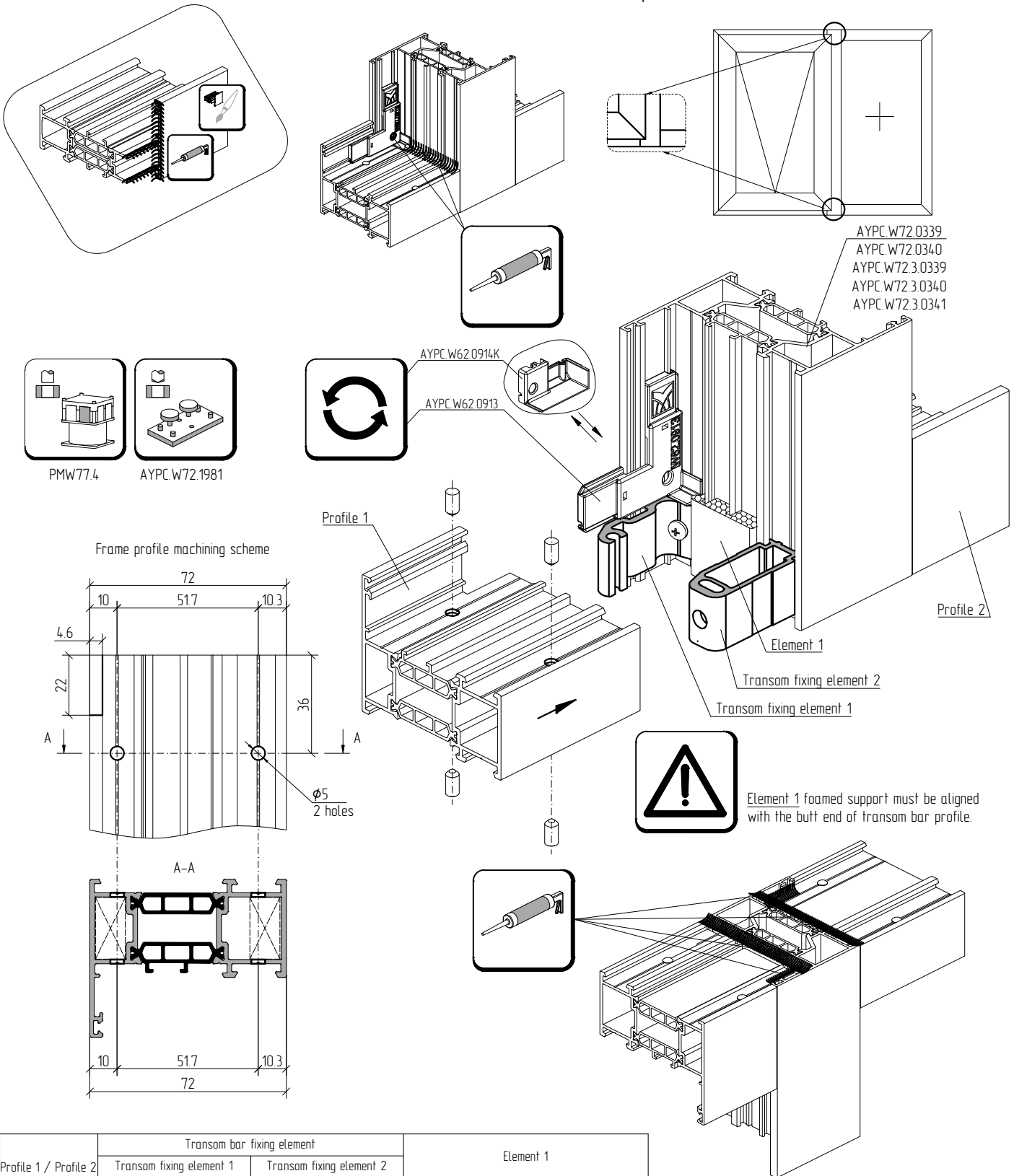
PMW77.4



AYPC.W72.1992



L-connection of frame and transom bar profiles

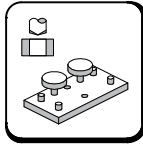
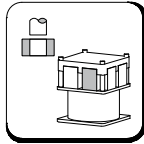
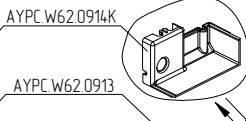
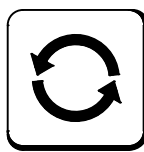
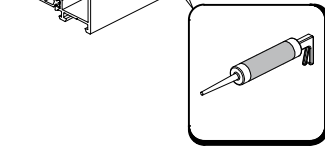
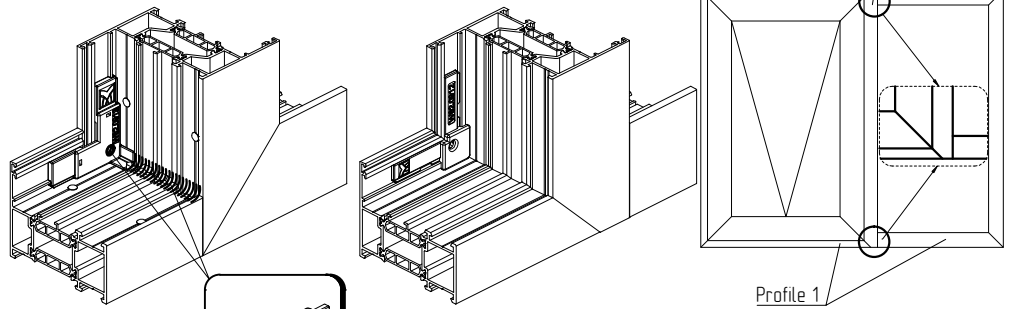
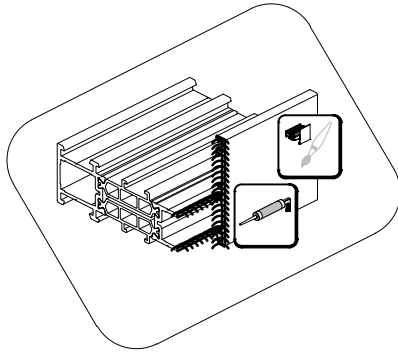


Element 1 foamed support must be aligned with the butt end of transom bar profile.

On the surface of junction silicone sealant must be applied. The sealant structure recommendations are given on the request.

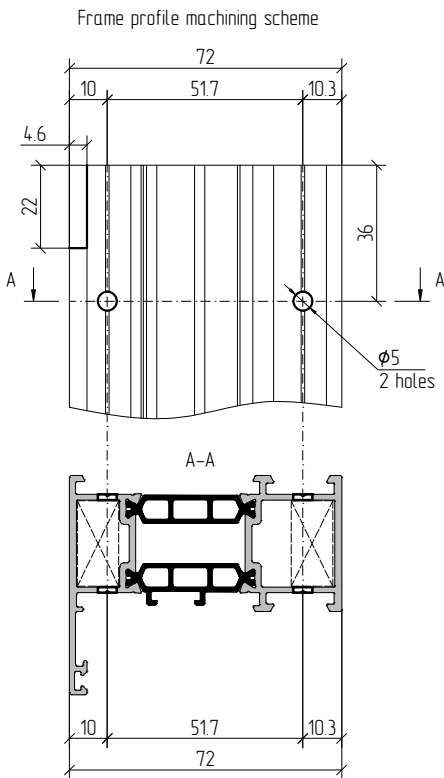
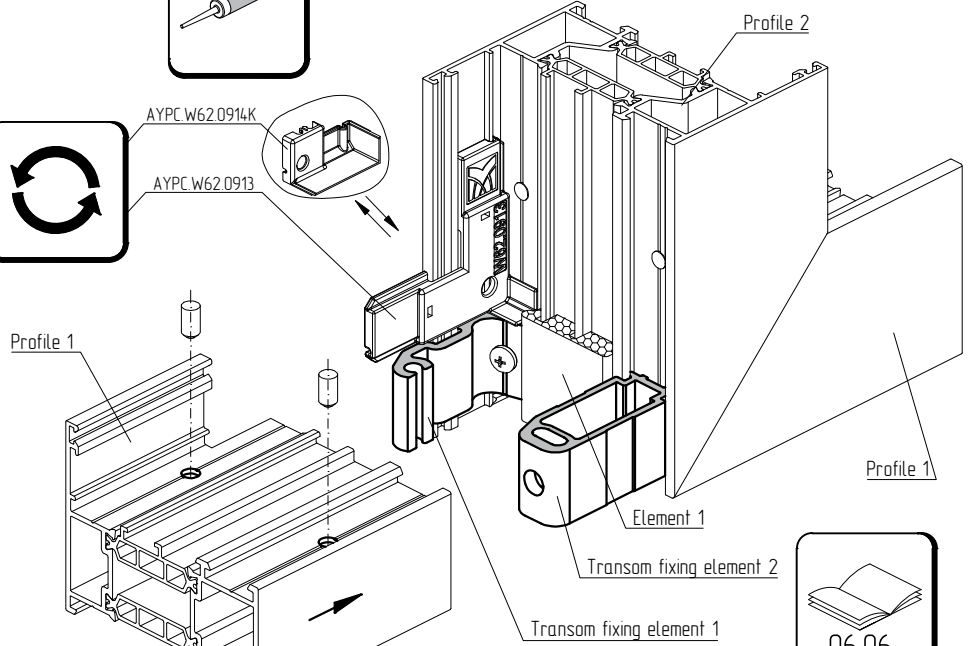
Profile 1 / Profile 2	Transom bar fixing element				Element 1		
	Transom fixing element 1		Transom fixing element 2		Article	Qty, pcs	Application
	Article	Qty, pcs	Article	Qty, pcs			
AYPC.W72.0101	AYPC.W62.0951	1	AYPC.W62.0973	1	AYPC.W62.0916	1	
AYPC.W72.0102	AYPC.W62.0951-01	1	AYPC.W62.0973-01	1	AYPC.W62.0916-01	1	
AYPC.W72.0103	AYPC.W62.0951-02	1	AYPC.W62.0973-02	1	AYPC.W62.0916-02	1	
AYPC.W72.3.0165	AYPC.W62.0951	1	AYPC.W62.0973	1	AYPC.W62.0916	1	
AYPC.W72.3.0166	AYPC.W62.0951-01	1	AYPC.W62.0973-01	1	AYPC.W62.0916-01	1	
AYPC.W72.3.0167	AYPC.W62.0951-02	1	AYPC.W62.0973-02	1	AYPC.W62.0916-02	1	

L-connection of frame and transom bar profiles

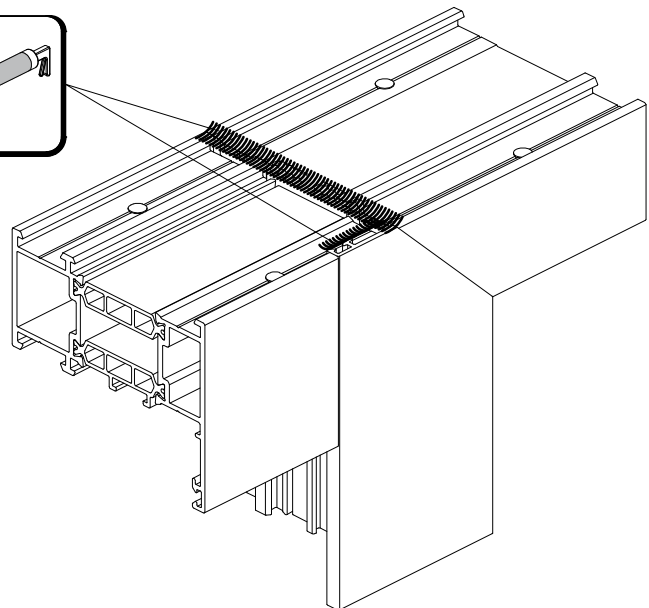
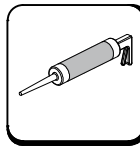


PMW77.4

AYPC.W72.1981

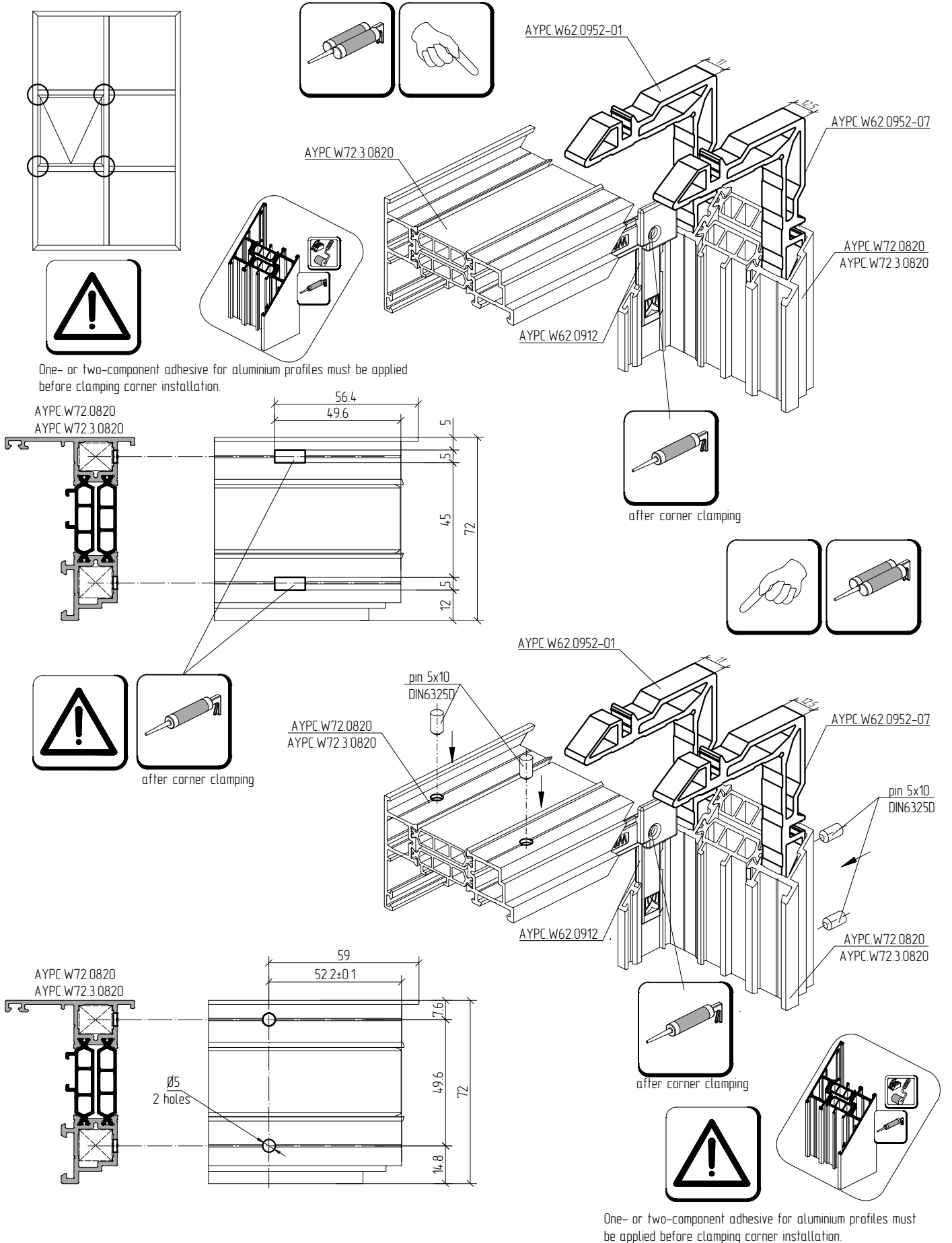


T-cleats transom fixing element 1, transom fixing element 2 and leveling corners AYPC.W62.0913 must be installed on Profile 2 before the corner from Profiles 1 and 2 will be assembled.

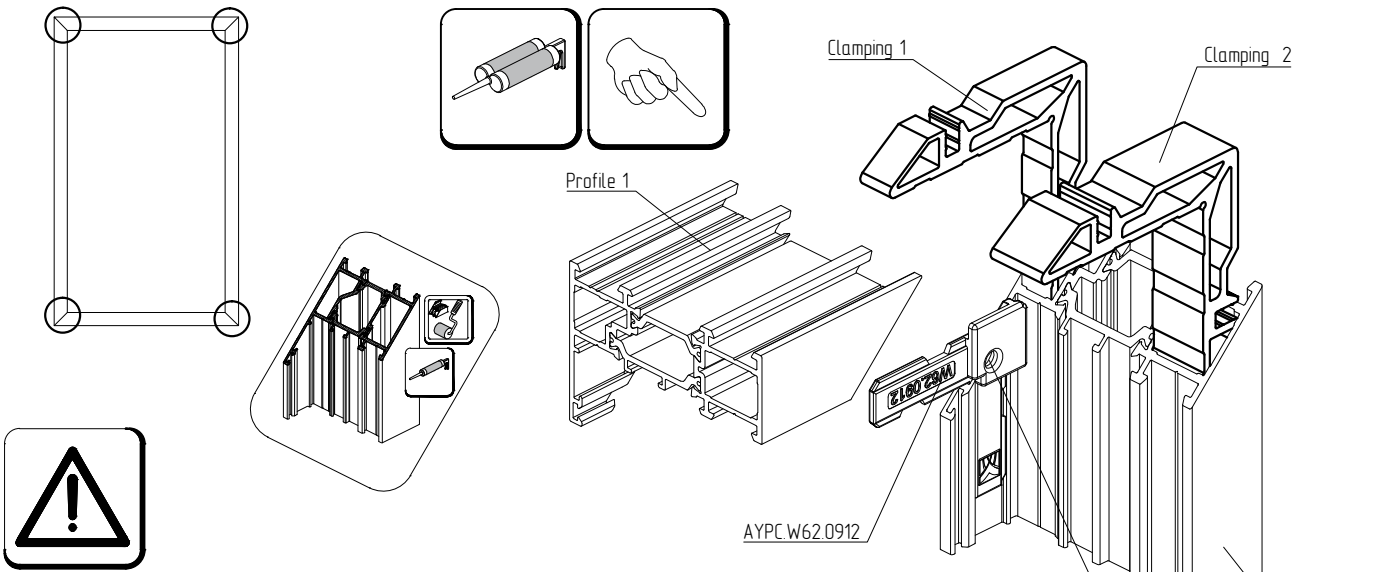


On the surface of junction silicone sealant must be applied. The sealant structure recommendations are given on the request.

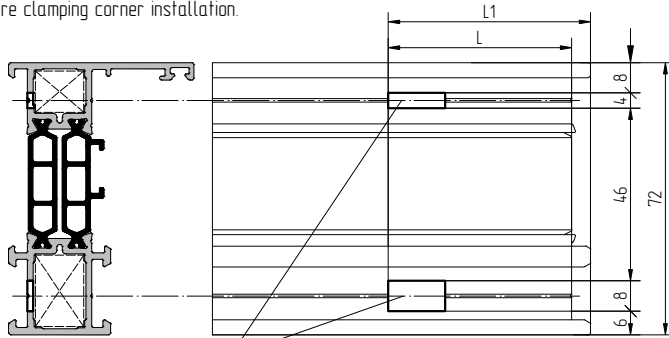
AYPC.W72.0820E profile corner joint by clamping and using pin 5x10 pins



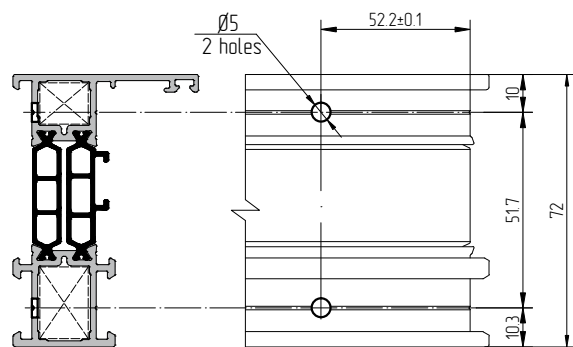
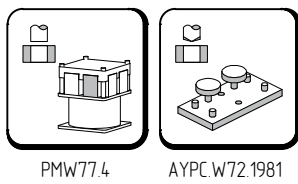
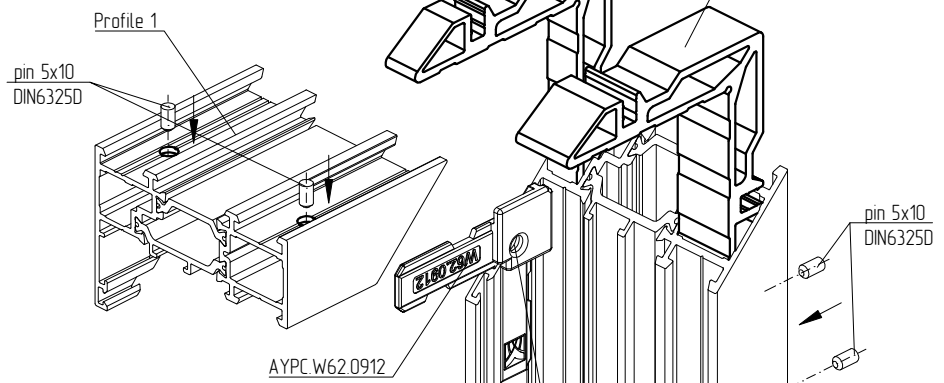
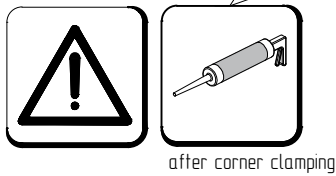
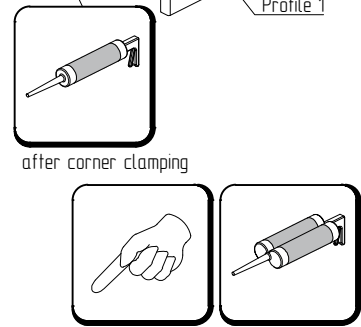
AYPC.W72.3.0165/AYPC.W72.3.0166/AYPC.W72.3.0167 profile corner joint by clamping and using pin 5 x10 pins



One- or two-component adhesive for aluminium profiles must be applied before clamping corner installation.

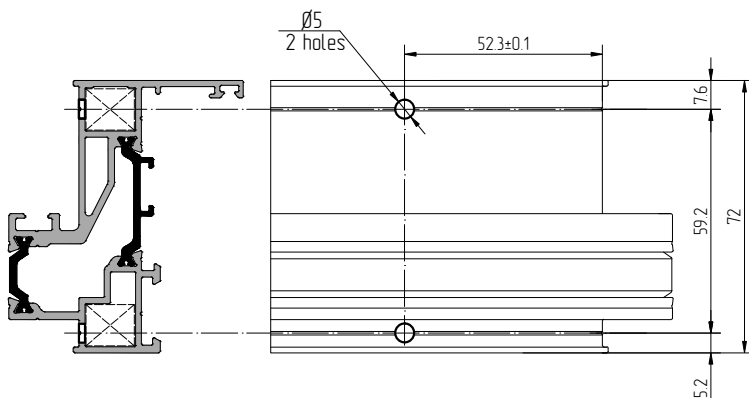
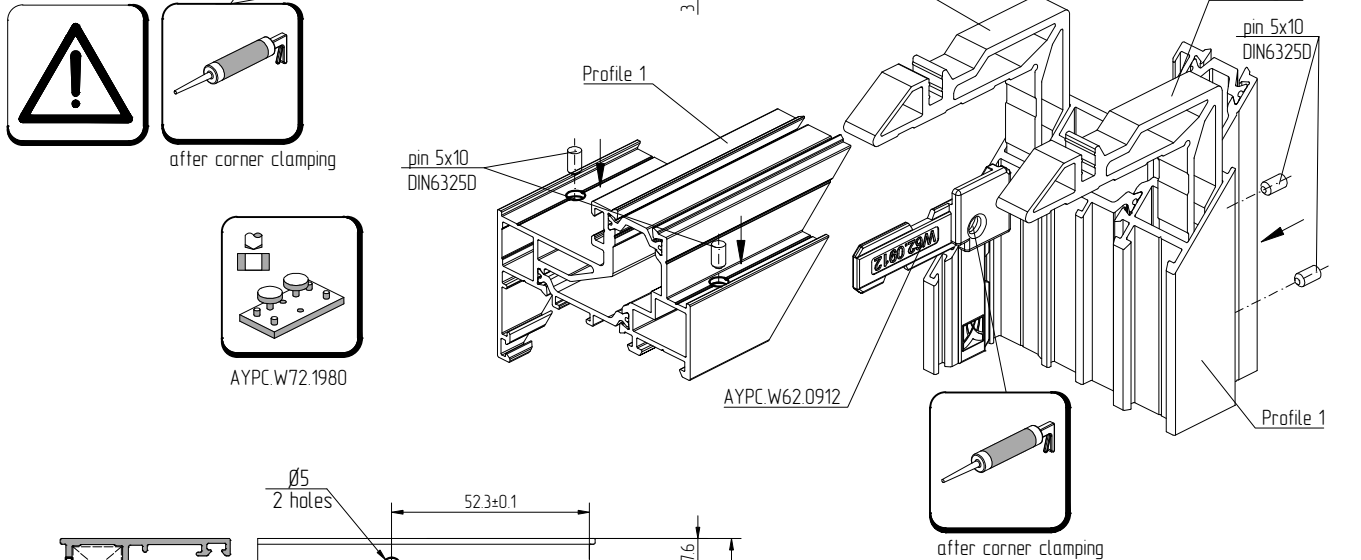
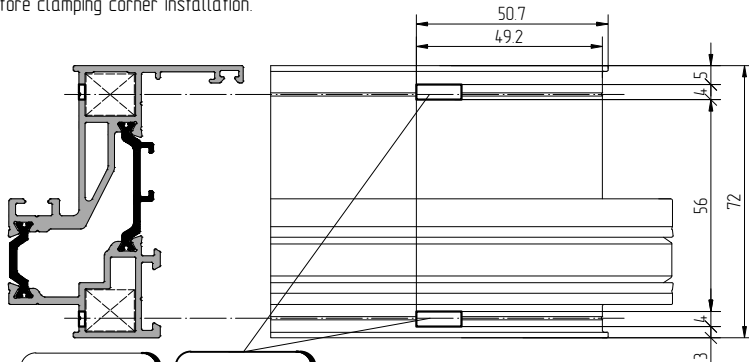
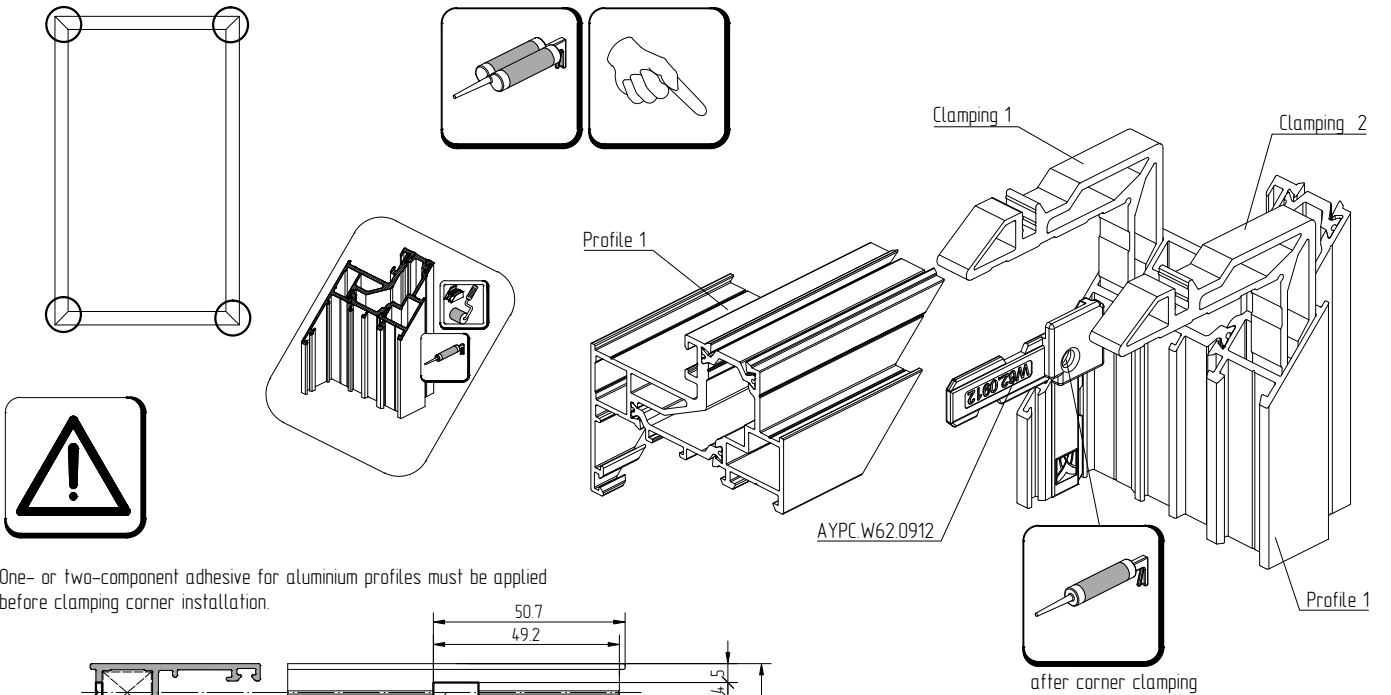


Profile		
Article	L, mm	L1, mm
AYPC.W72.0101	49.6	54.6
AYPC.W72.0102	49.0	54.0
AYPC.W72.0103	49.0	54.0
AYPC.W72.3.0165	49.6	54.6
AYPC.W72.3.0166	49.0	54.0
AYPC.W72.3.0167	49.0	54.0



Profile 1	Clamping 1		Clamping 2	
	Article	Qty, pcs	Article	Qty, pcs
AYPC.W72.0101	AYPC.W62.0952-01	1	AYPC.W62.0952-02	1
AYPC.W72.0102	AYPC.W62.0953-01	1	AYPC.W62.0953-02	1
AYPC.W72.0103	AYPC.W62.0954-02	1	AYPC.W62.0954-03	1
AYPC.W72.3.0165	AYPC.W62.0952-01	1	AYPC.W62.0952-02	1
AYPC.W72.3.0166	AYPC.W62.0953-01	1	AYPC.W62.0953-02	1
AYPC.W72.3.0167	AYPC.W62.0954-02	1	AYPC.W62.0954-03	1

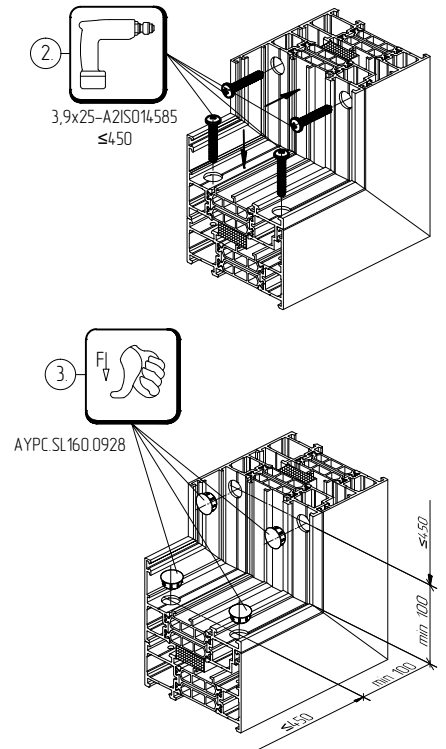
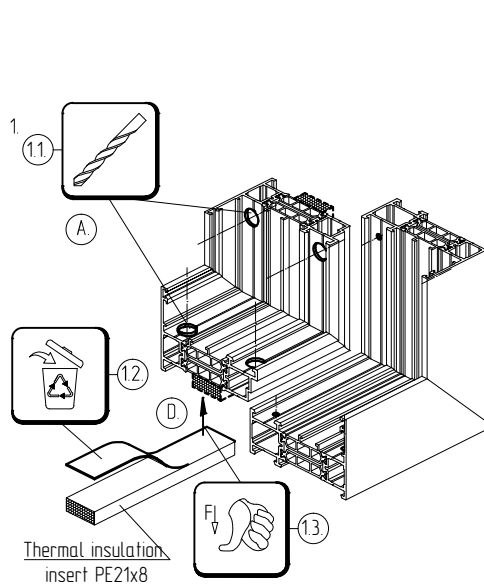
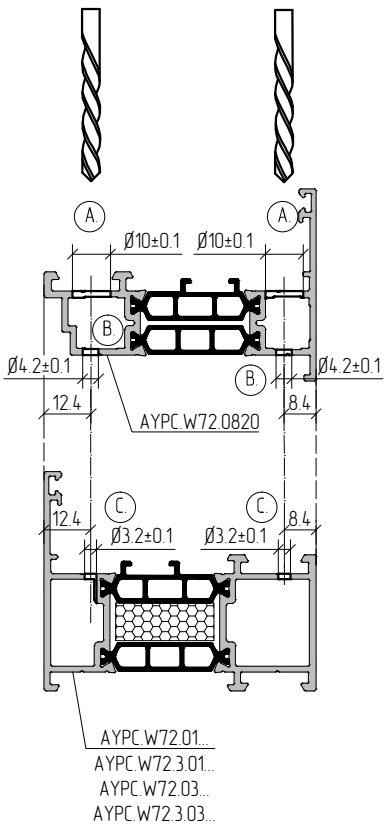
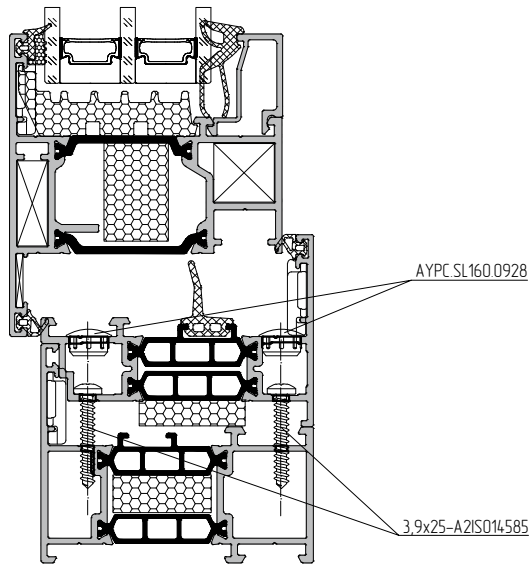
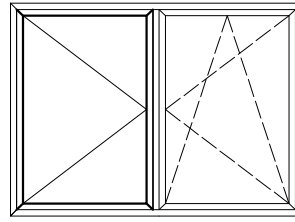
AYPC.W72.3.0161/AYPC.W72.3.0162/AYPC.W72.3.0163/AYPC.W72.3.0164 profile corner joint by clamping and using pin 5x10 pins



Profile 1	Clamping 1		Clamping 2	
	Article	Qty. pcs	Article	Qty. pcs
AYPC.W72.3.0161	AYPC.W62.0952-01	1	AYPC.W62.0952-01	1
AYPC.W72.3.0162	AYPC.W62.0953-01	1	AYPC.W62.0953-01	1
AYPC.W72.3.0163	AYPC.W62.0952-01	1	AYPC.W62.0952-01	1
AYPC.W72.3.0164	AYPC.W62.0953-01	1	AYPC.W62.0953-01	1

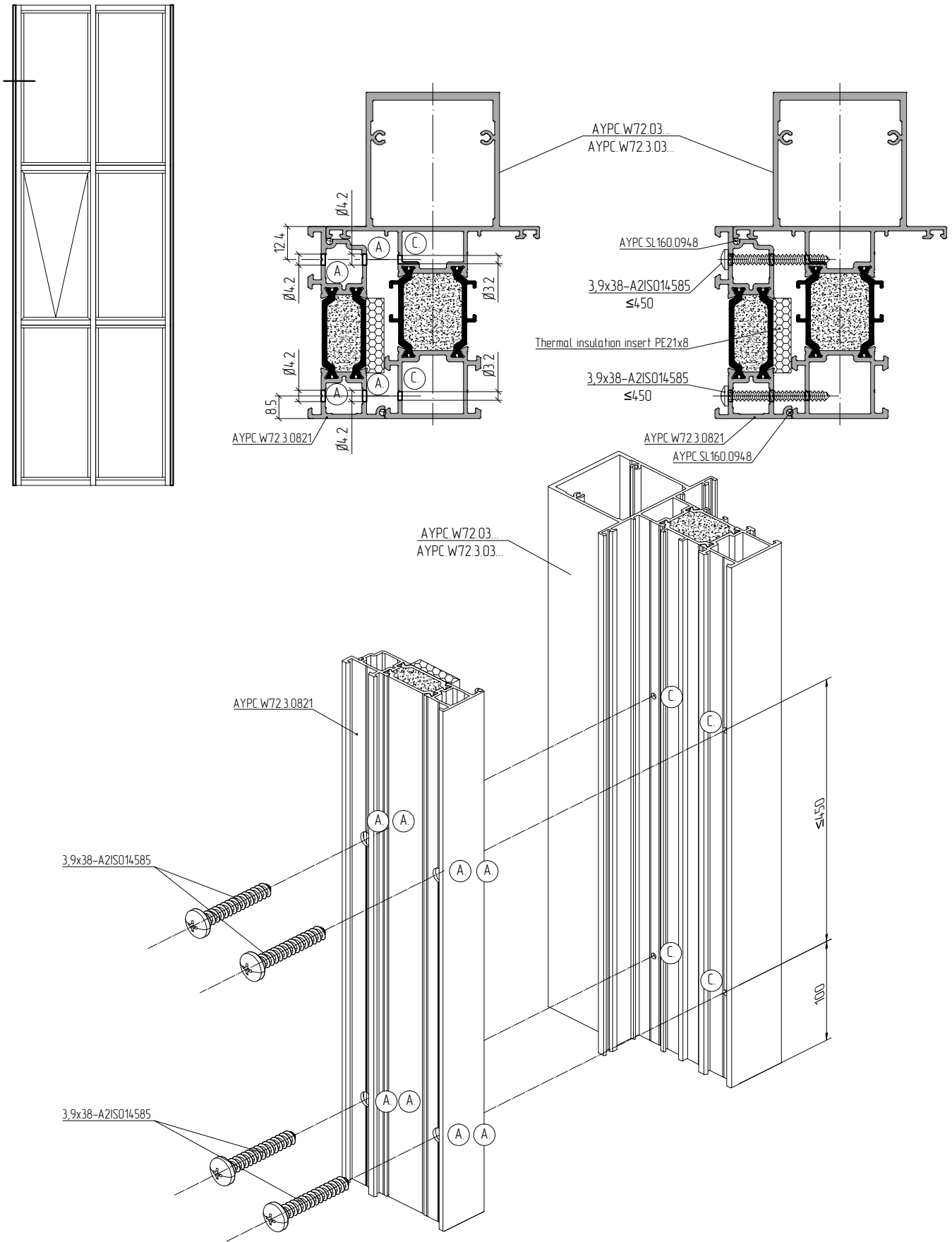


Profile machining for frame and adapter profiles

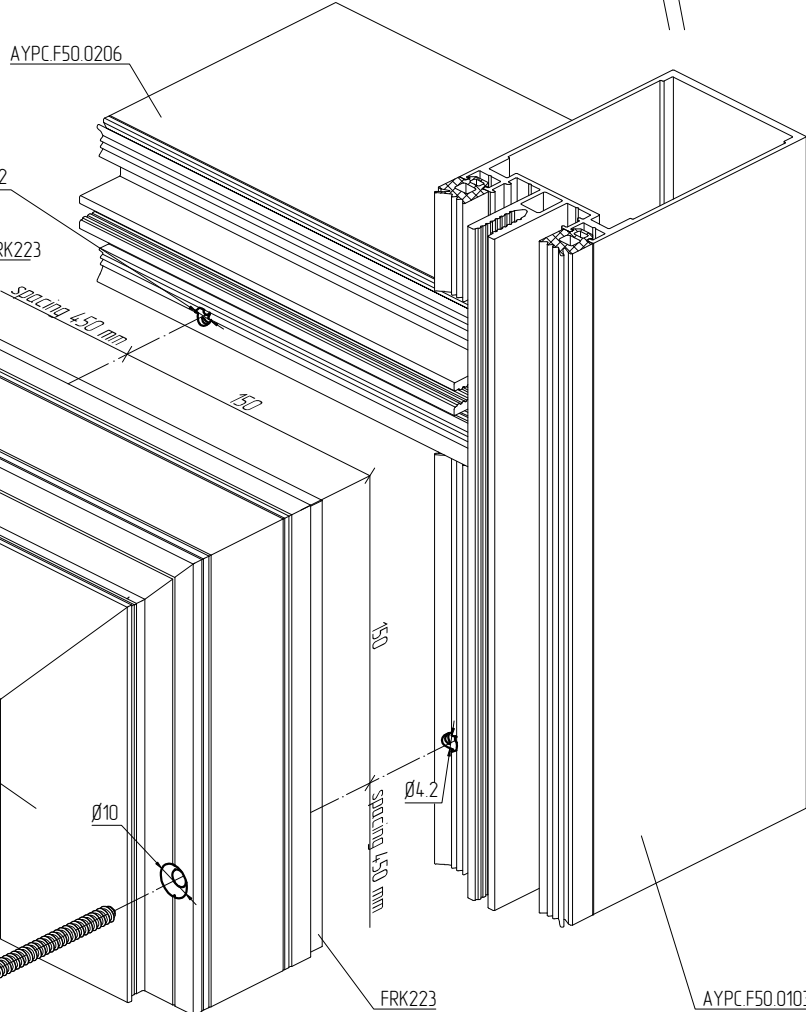
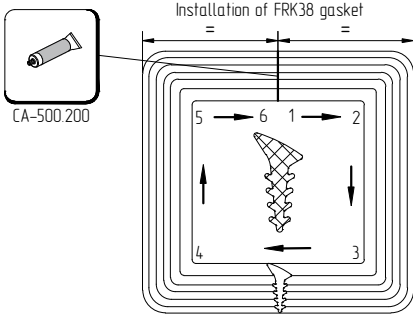
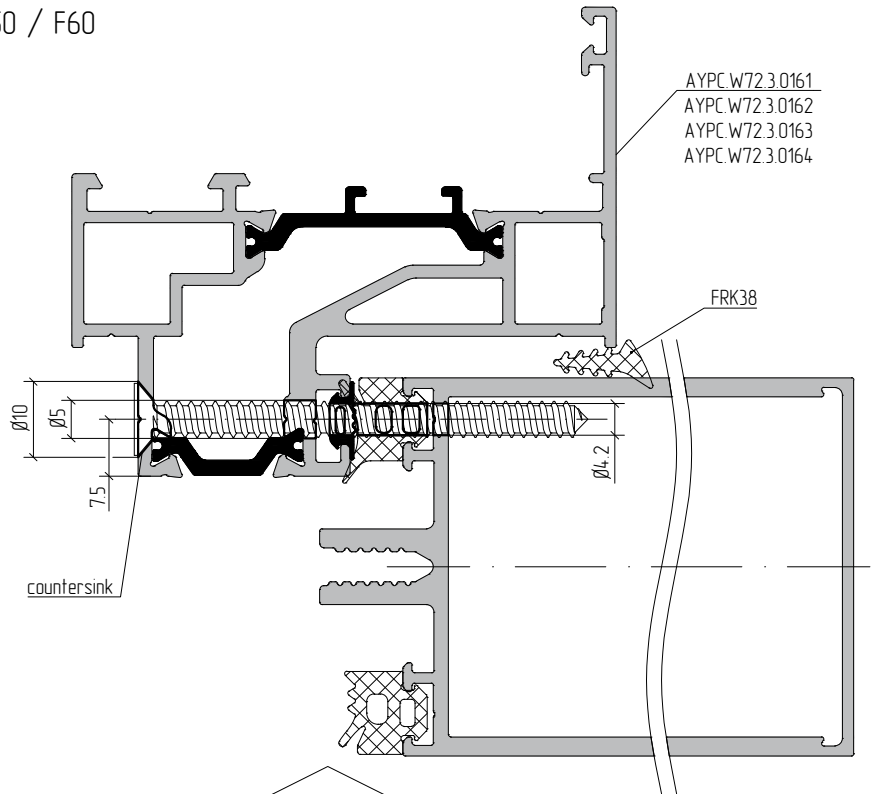
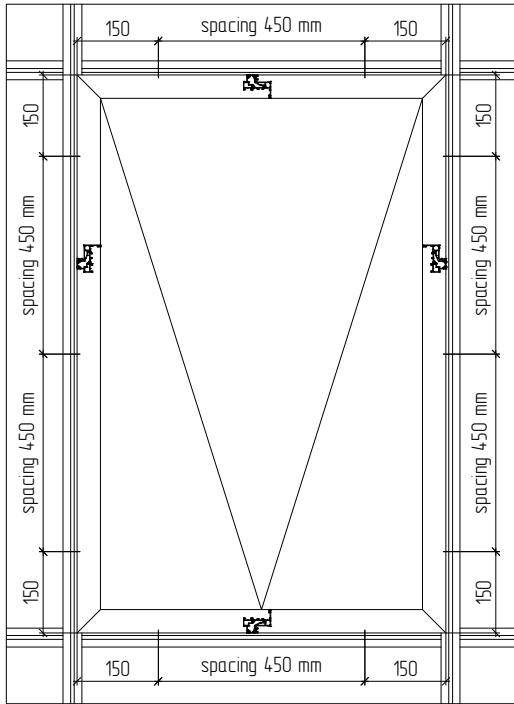




Profile machining for frame and adapter profiles

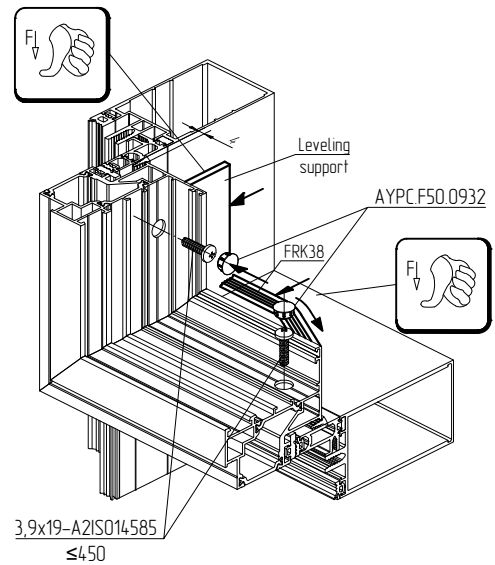
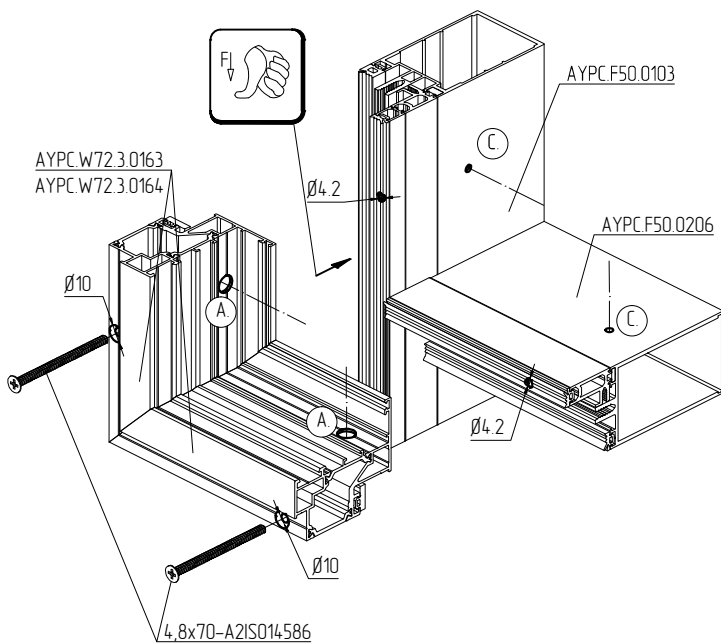
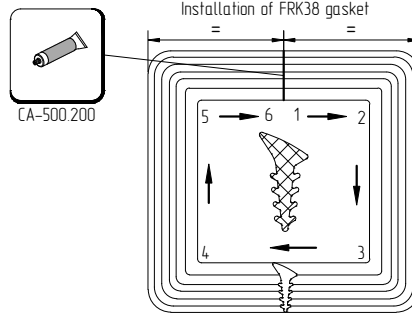
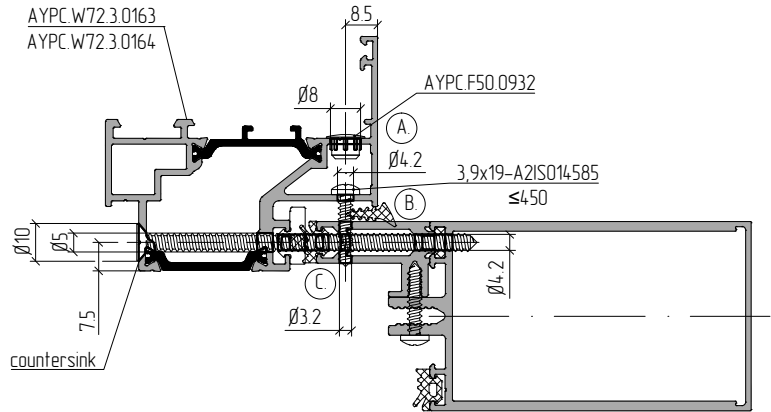
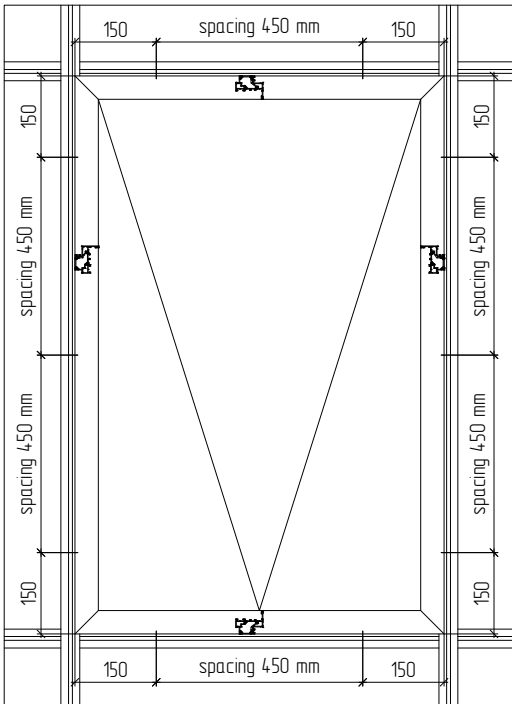


Installation of window units with frames made of AYP.C.W72.3.0161, AYP.C.W72.3.0162, AYP.C.W72.3.0163, AYP.C.W72.3.0164 profiles into facade ALT F50 / F60



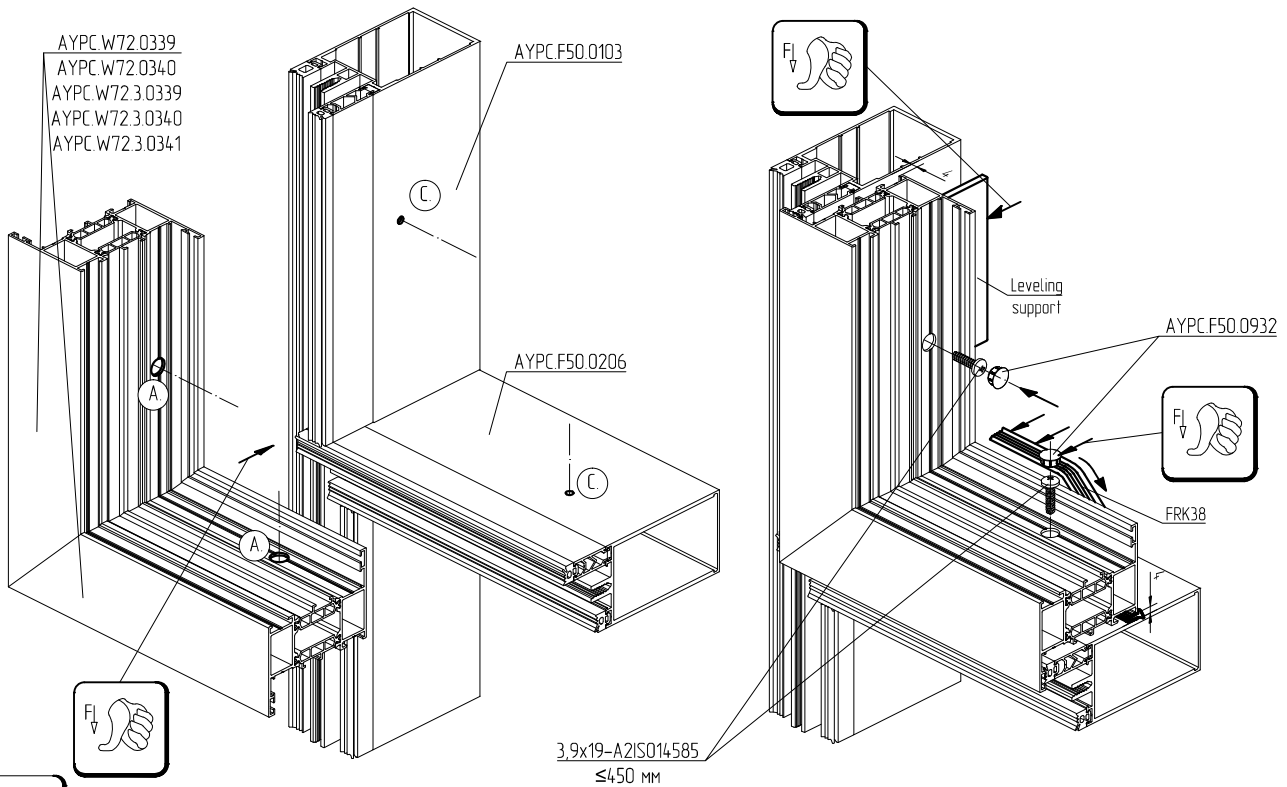
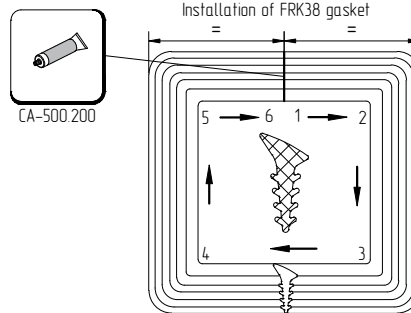
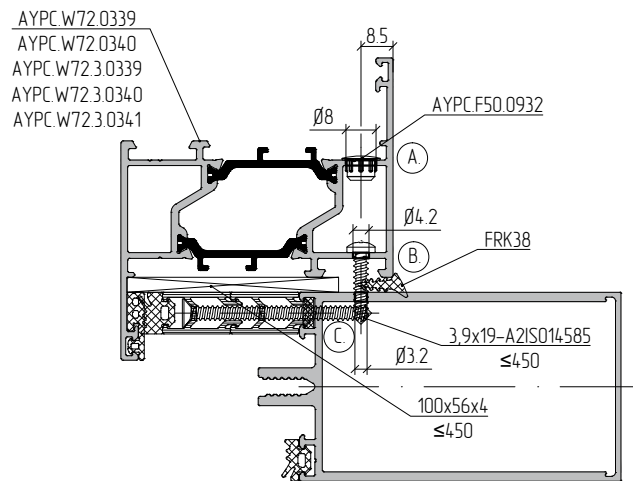
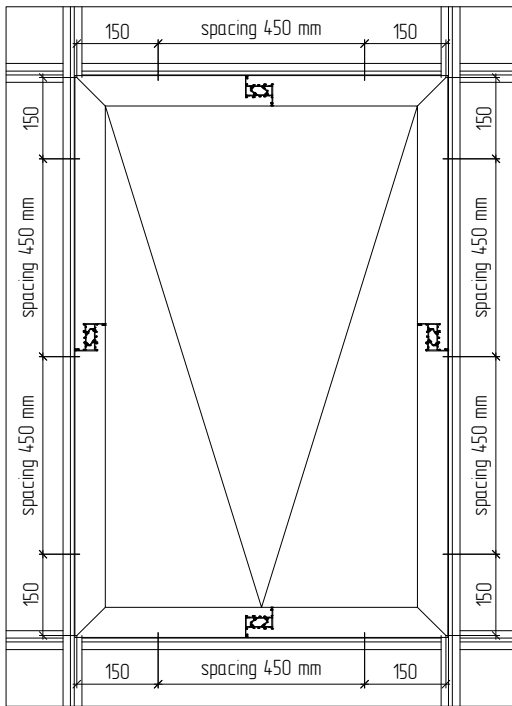
Information on the choice of the frame profile, gasket and screws for fixing the window unit, depending on the thickness of the filling used, is given in section "04 - Glazing table". Data on the façade components for the assembly is provided in ALT F50 / F60 technical manual

Installation of window units with frames made of AYPC.W72.3.0163, AYPC.W72.3.0164 profiles into facade ALT F50 / F60



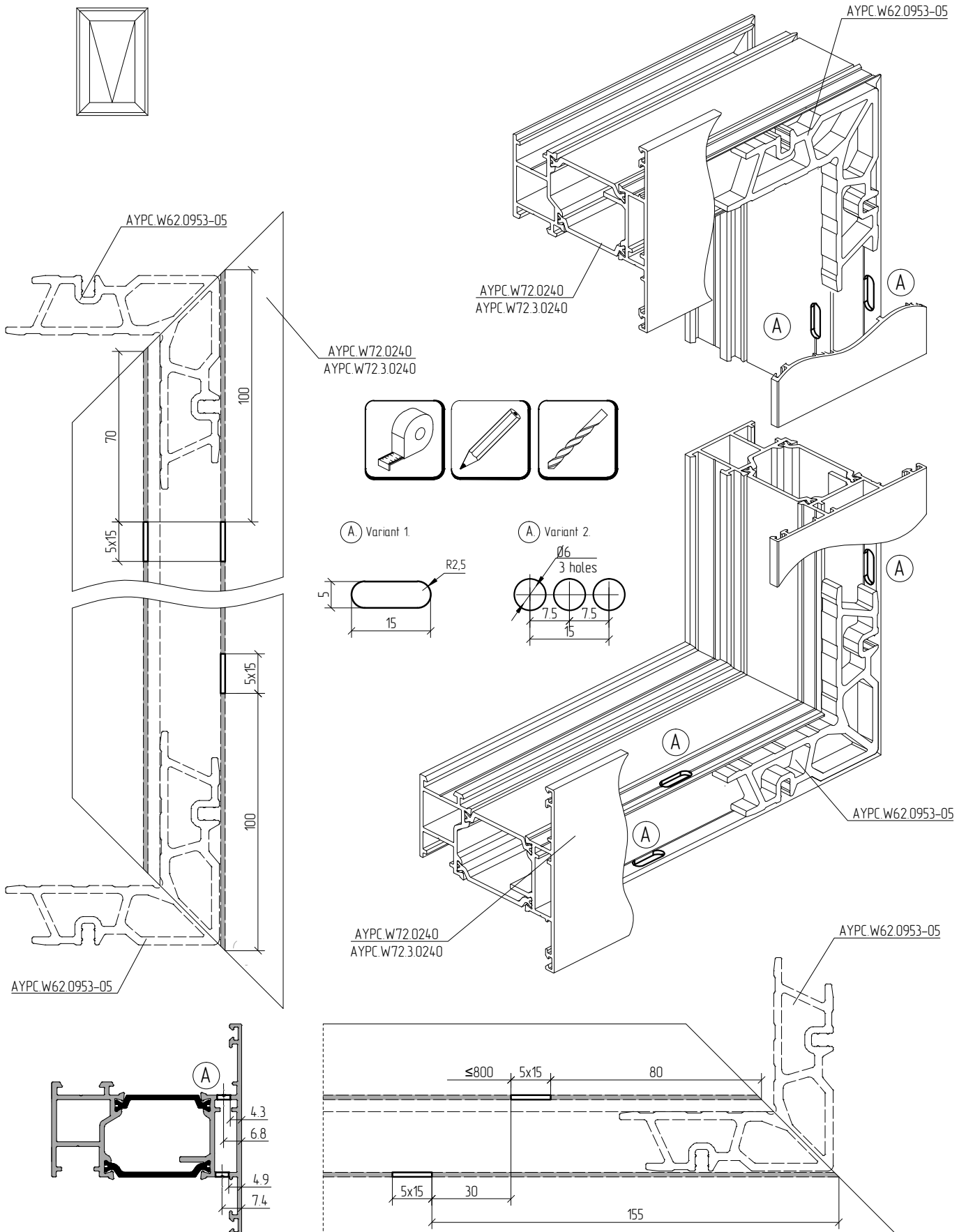
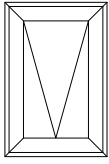
Information on the choice of the frame profile, gasket and screws for fixing the window unit, depending on the thickness of the filling used, is given in section "04 - Glazing table". Data on the façade components for the assembly is provided in ALT F50 / F60 technical manual.

Installation of window units with transom profiles into facade ALT F50 / F60

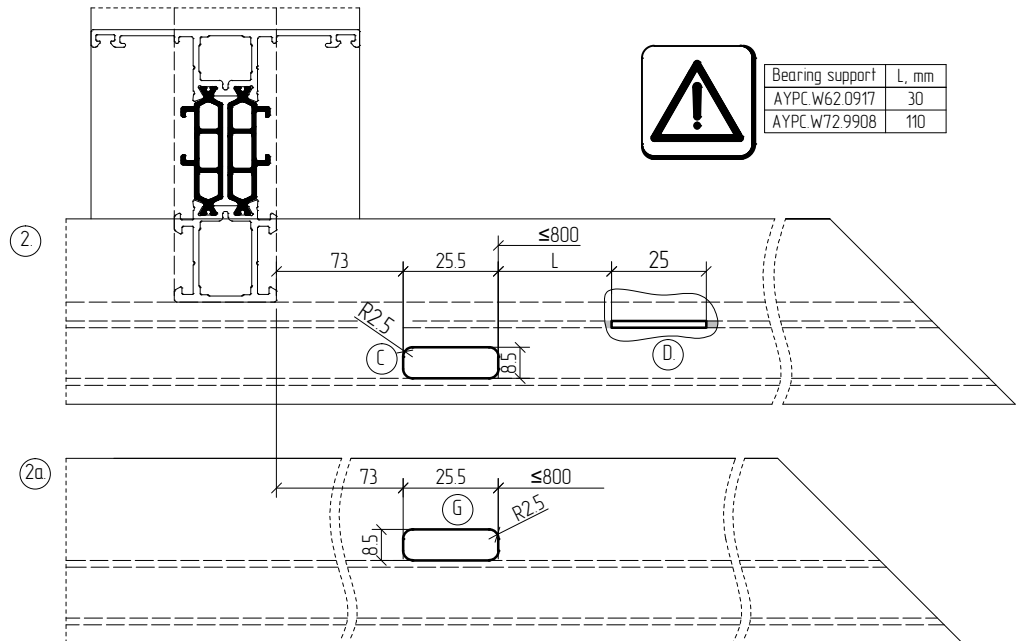
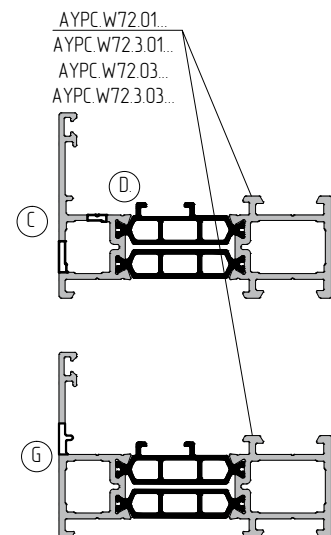
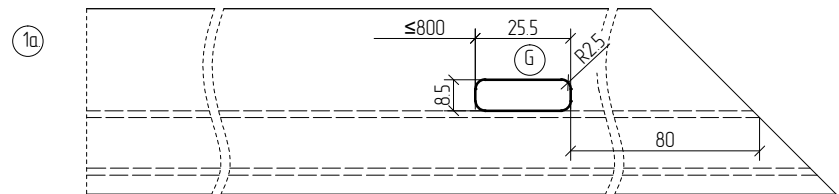
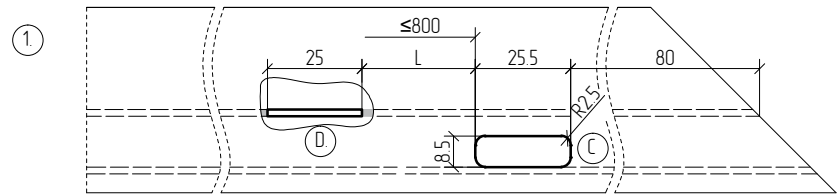
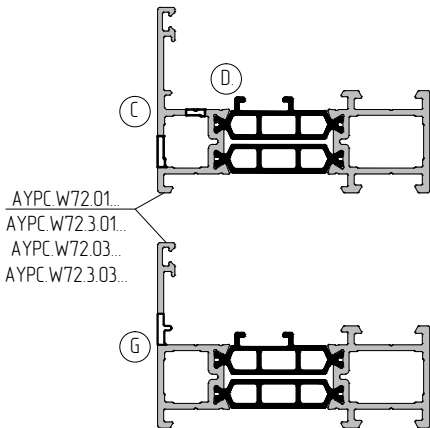
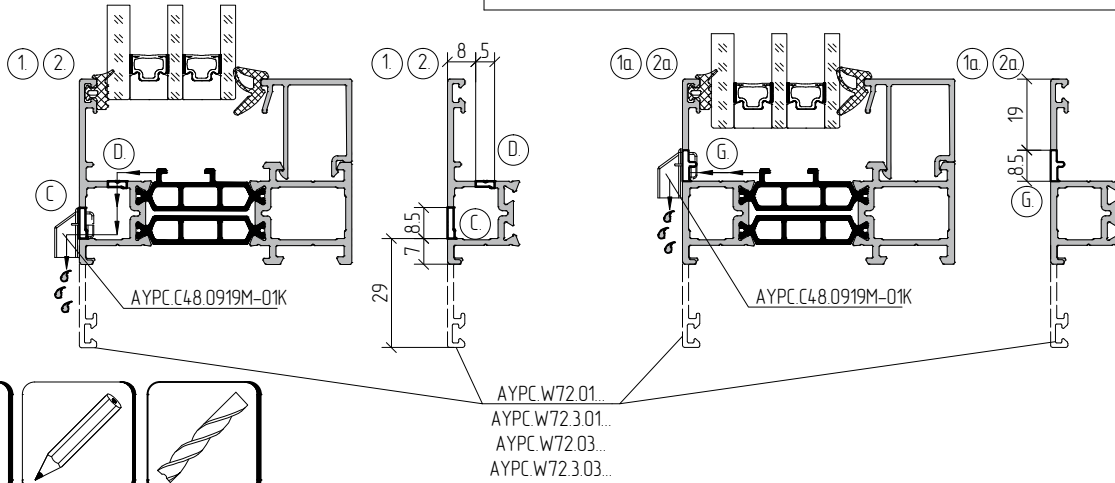
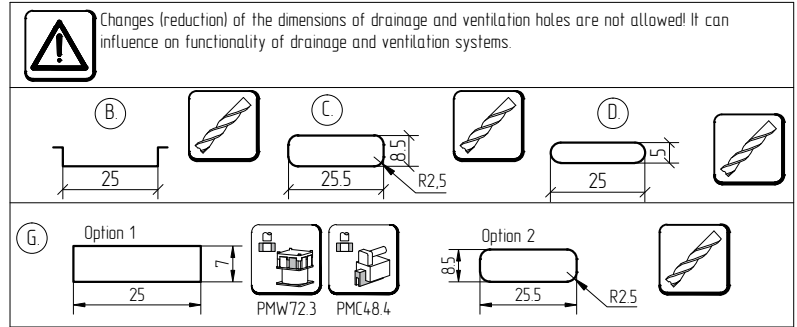
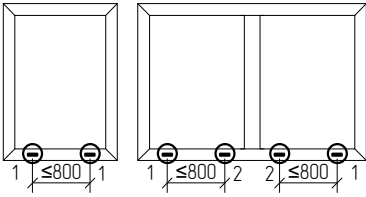


Information on the choice of the frame profile, gasket and screws for fixing the window unit, depending on the thickness of the filling used, is given in section "04 - Glazing table". Data on the façade components for the assembly is provided in ALT F50 / F60 technical manual.

Profile machining for ventilation and condensate removal

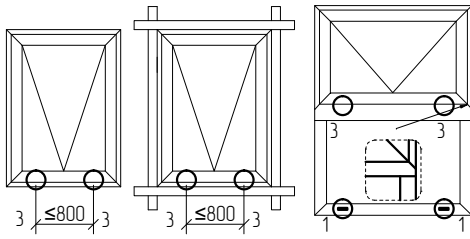


Drainage holes processing.  
Glazing from the inside.



Bearing support	L, mm
AYPCW62.0917	30
AYPCW72.9908	110

Drainage holes processing  
Glazing from the inside.



Changes (reduction) of the dimensions of drainage and ventilation holes are not allowed! It can influence on functionality of drainage and ventilation systems.

Variant 1. (A) Variant 2. (A)

(B) (C) (D)

Dimensions for B, C, and D: B is 25; C is 25.5 with a height of 8.5 and radius R2.5; D is 25 with a height of 5.

Detailed processing information  
06.16, 06.18

3 3a

Dimensions: 29, 7, 8.5, 8, 5, 25, 25.5, 8.5, R2.5, 25, 5.

(D) (B)

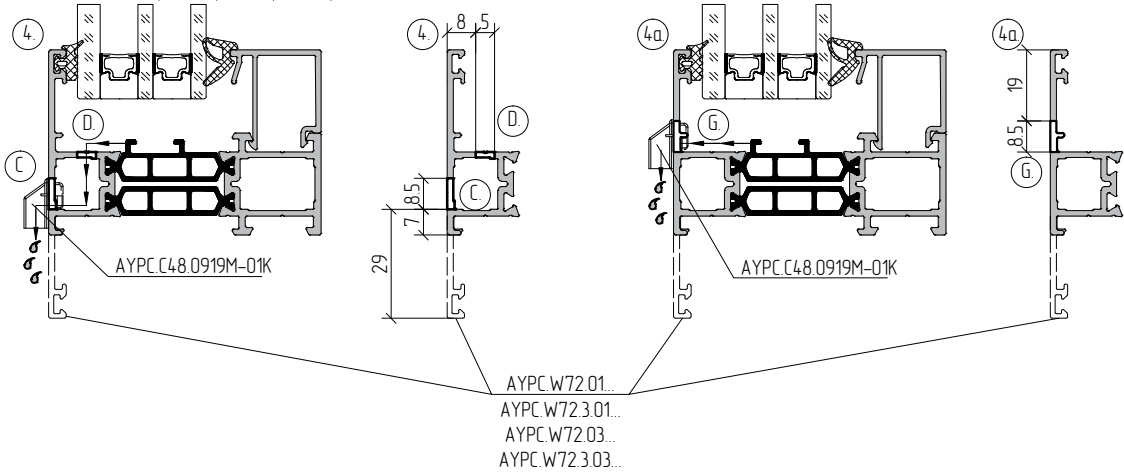
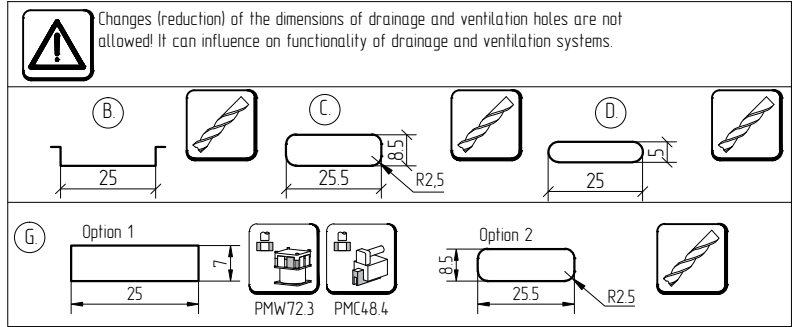
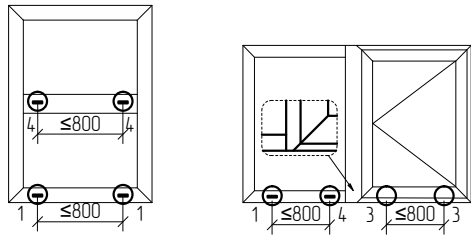
(B)

AYPC.W72.0240  
AYPC.W72.3.0240

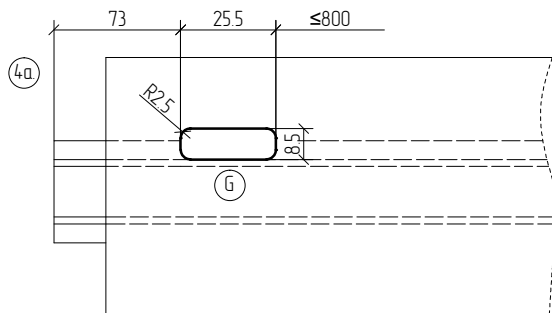
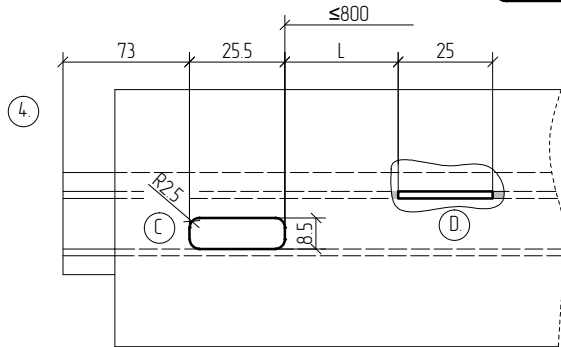
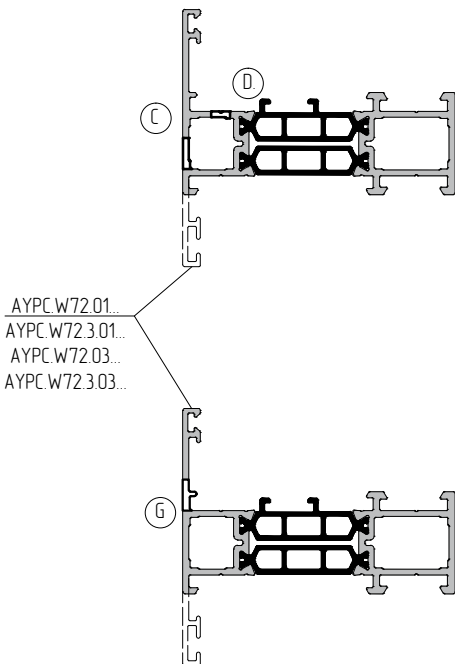
FRK198

3 3a

Drainage holes processing.  
Glazing from the inside.

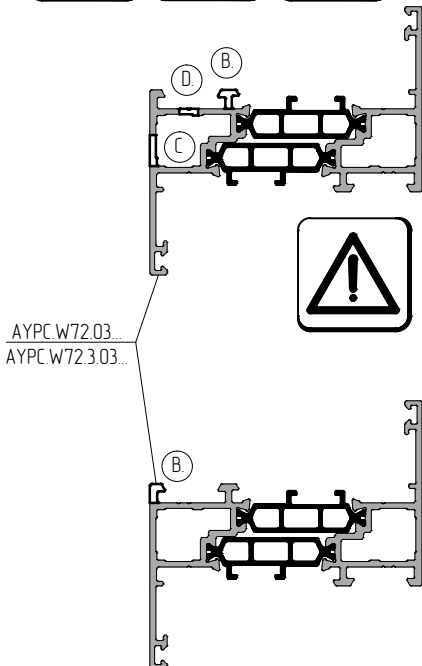
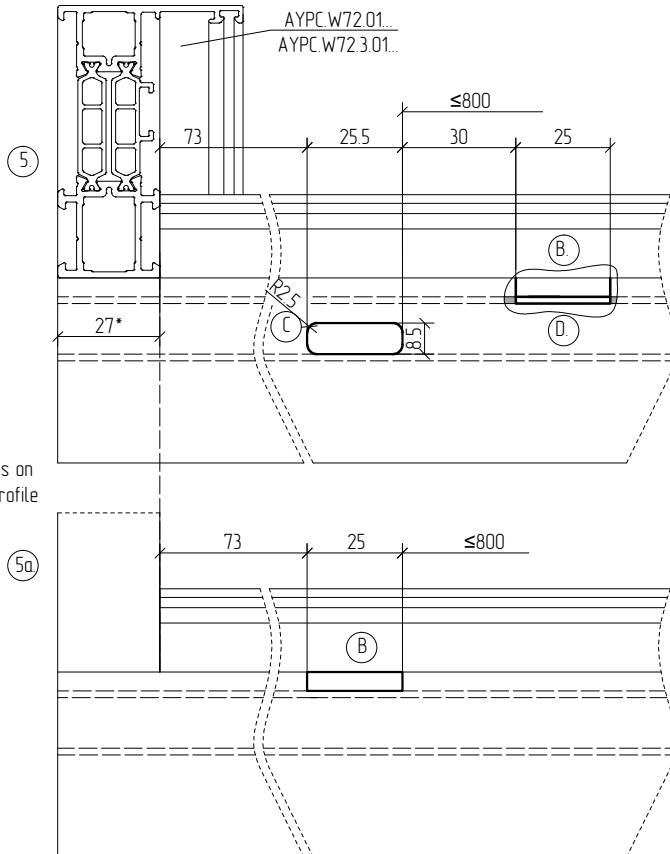
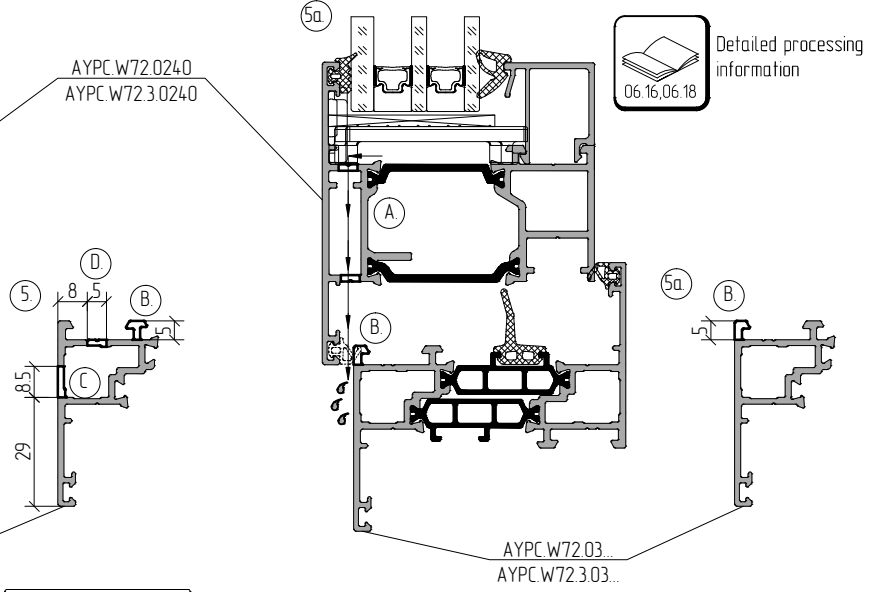
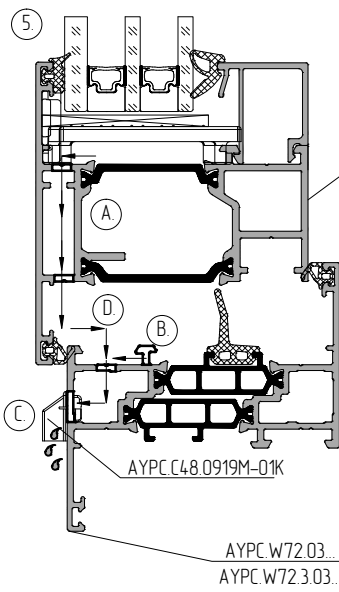
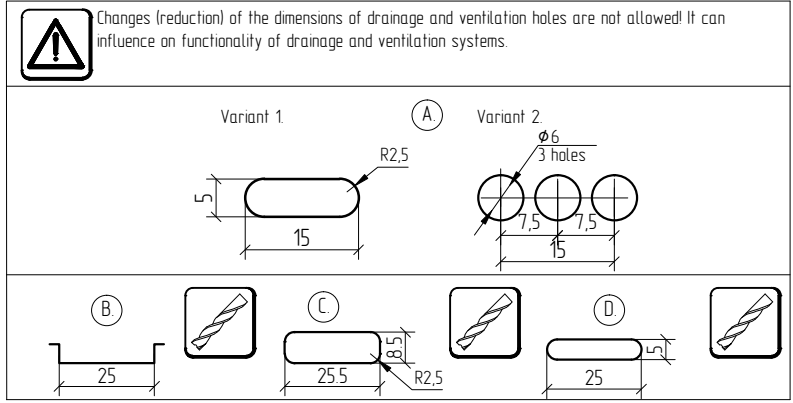
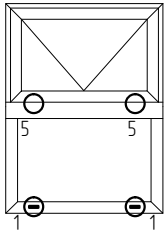


Bearing support	L, mm
AYPC.W62.0917	30
AYPC.W72.9908	110

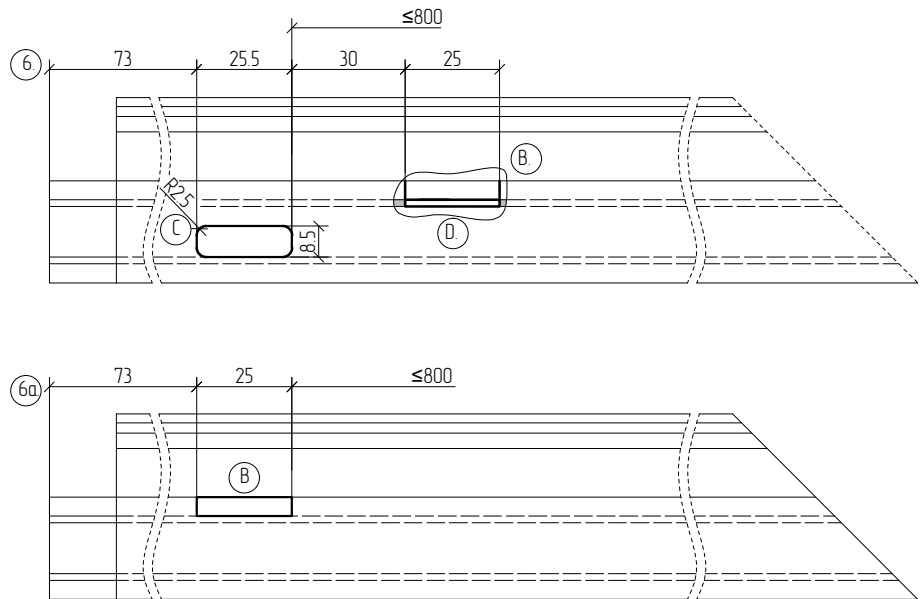
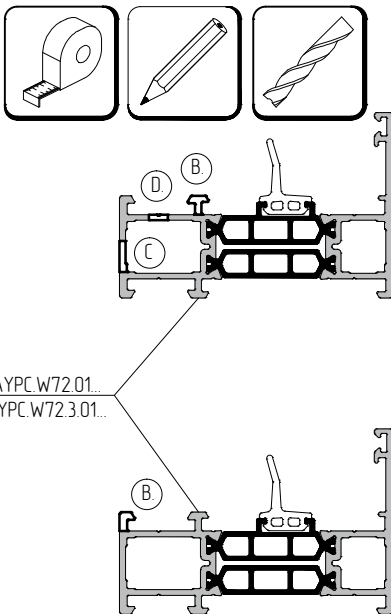
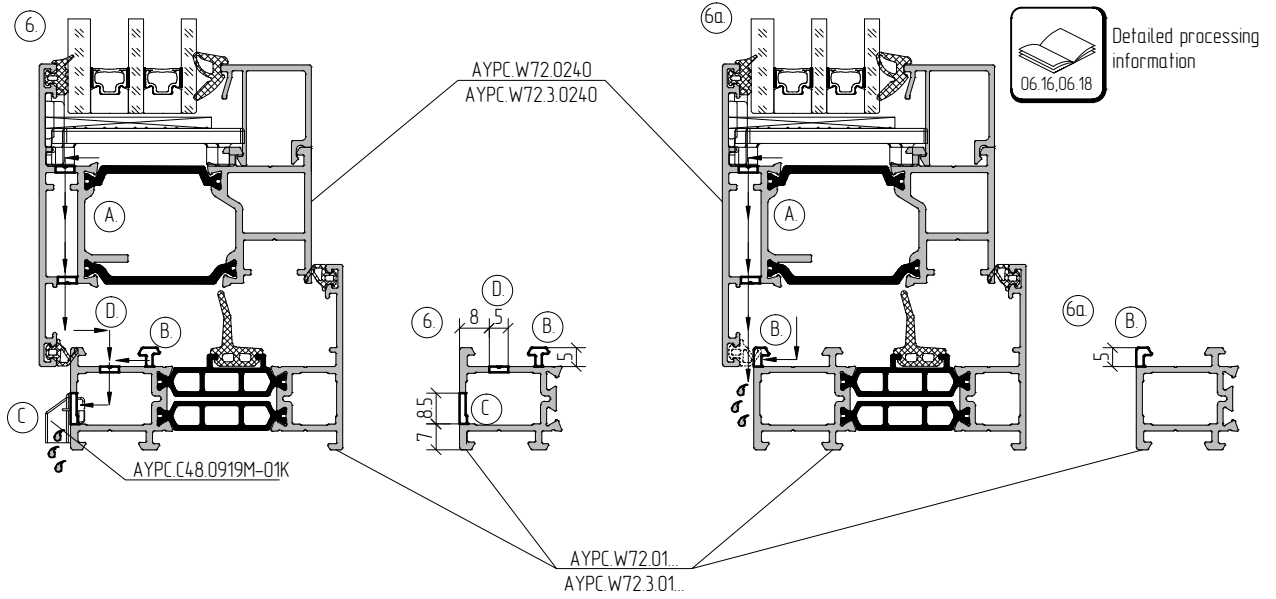
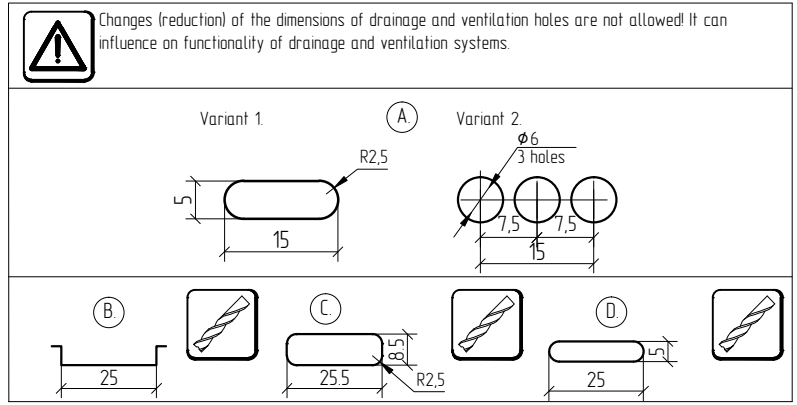
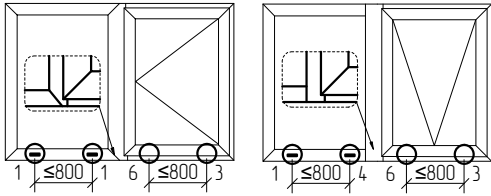




Drainage holes processing.  
Glazing from the inside.

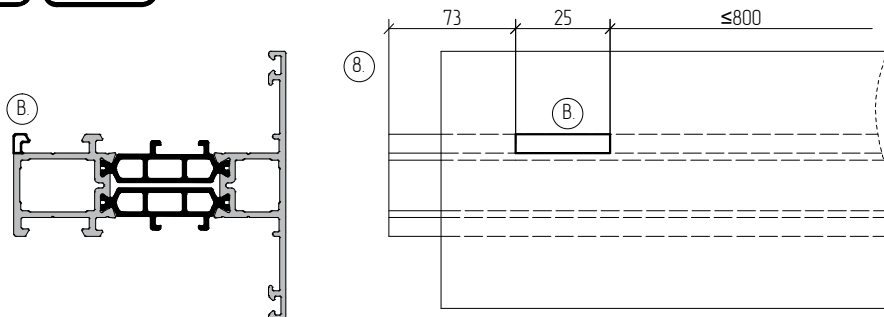
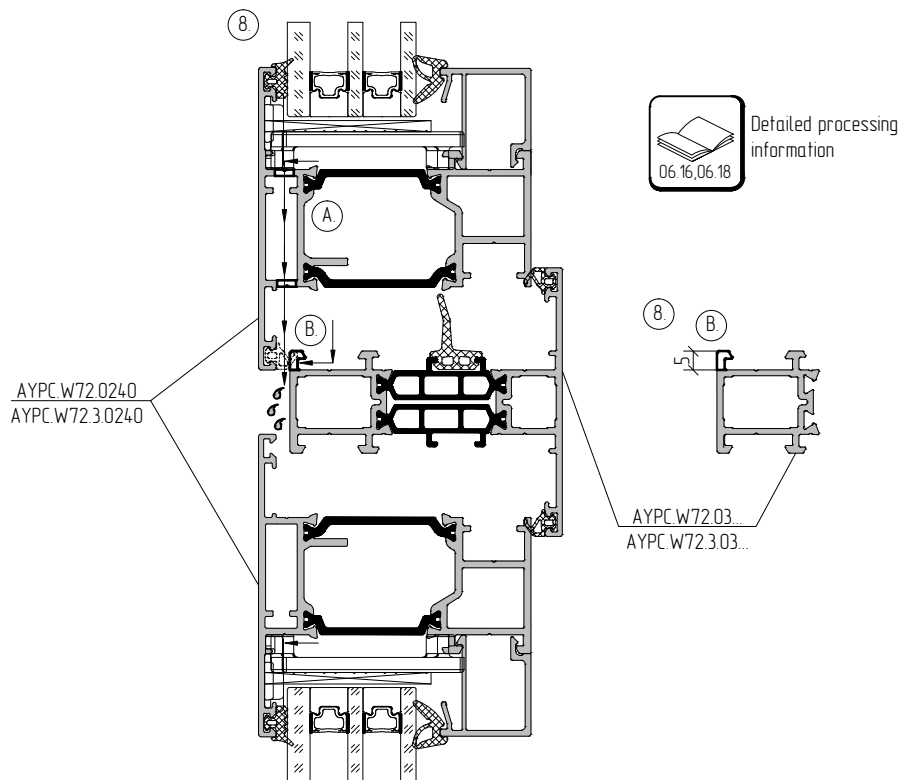
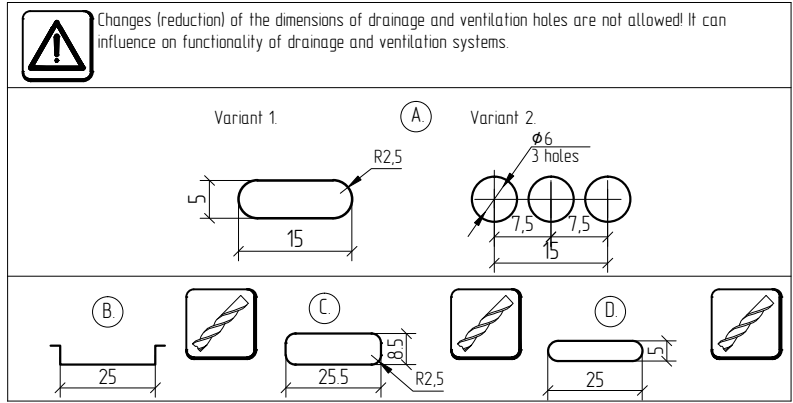
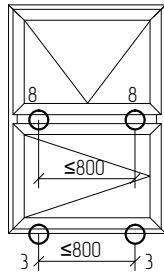


Drainage holes processing  
Glazing from the inside.

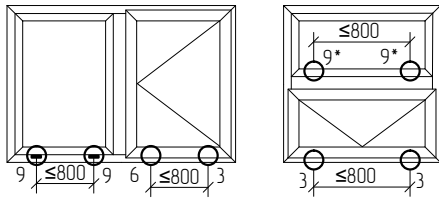




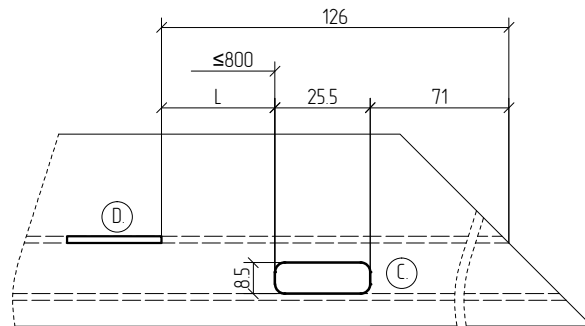
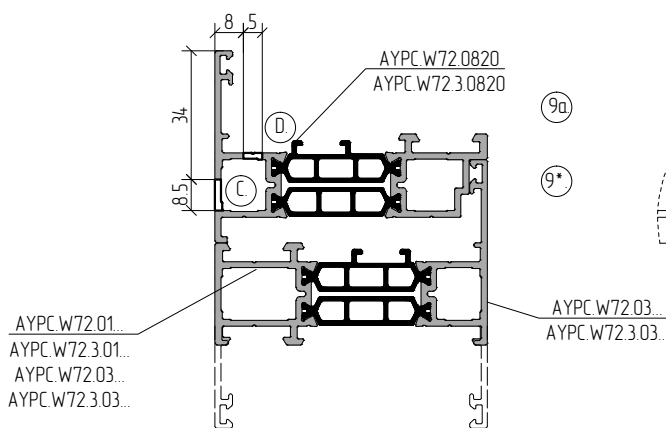
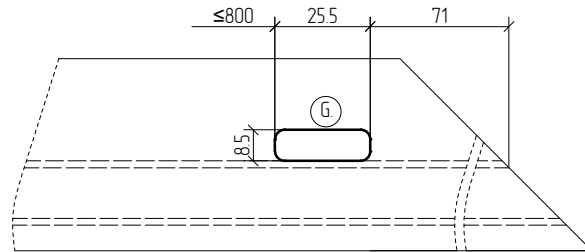
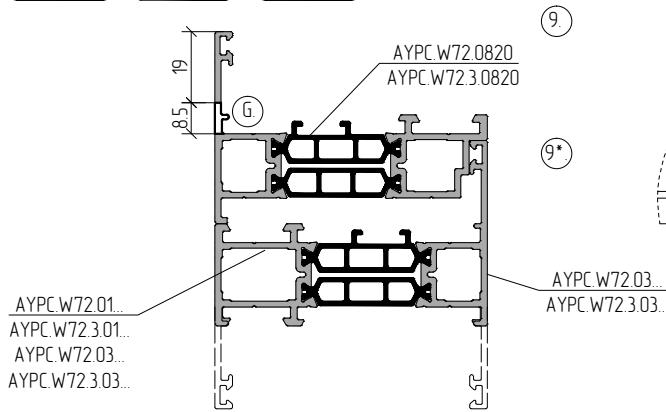
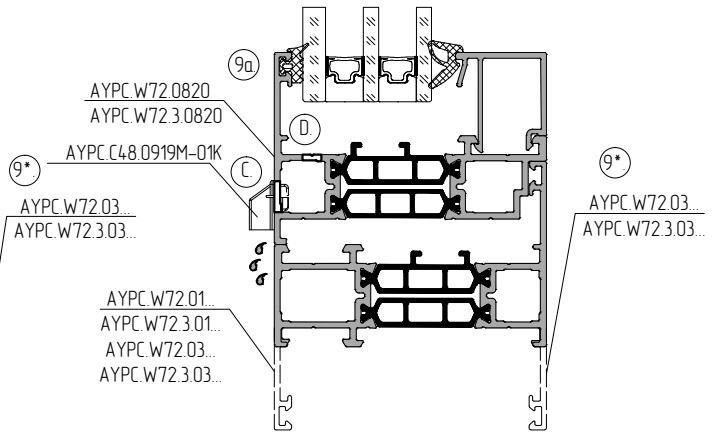
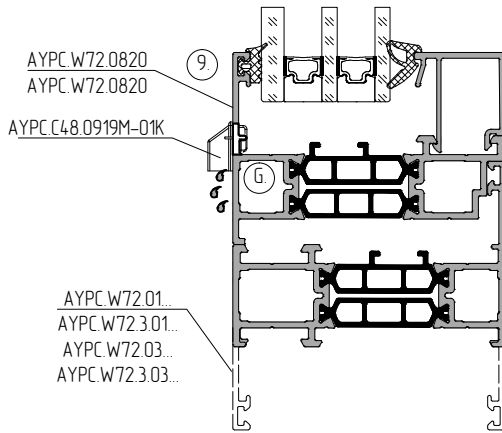
Drainage holes processing.  
Glazing from the inside.



Drainage holes processing.  
Glazing from the inside.



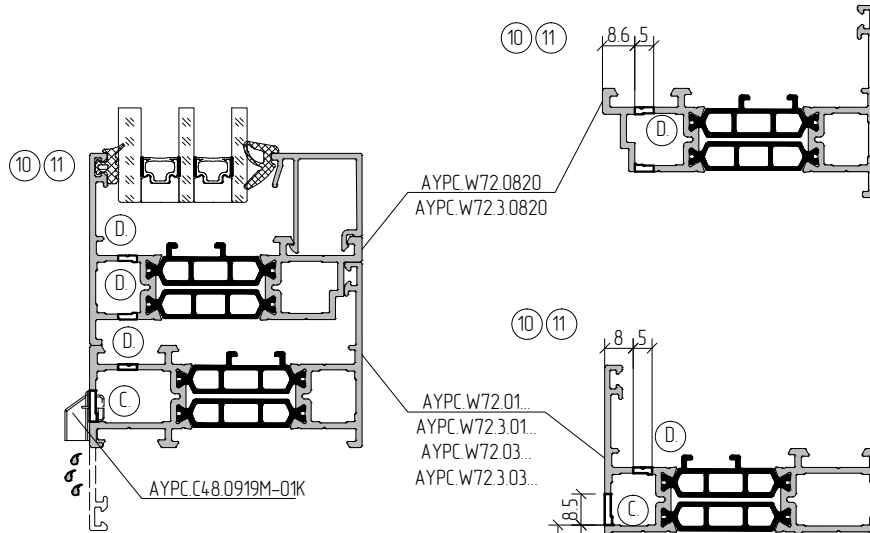
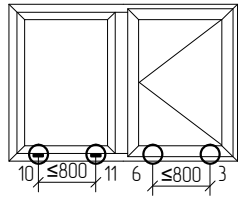
Changes (reduction) of the dimensions of drainage and ventilation holes are not allowed! It can influence on functionality of drainage and ventilation systems.



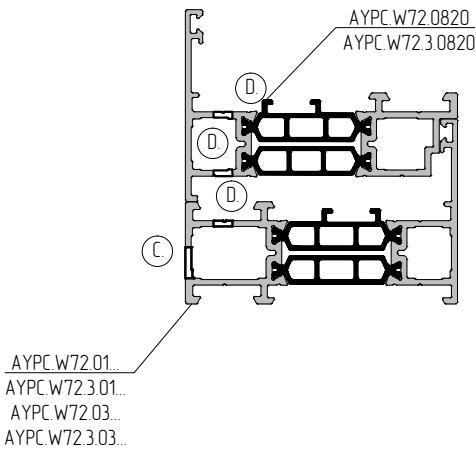
Bearing support	L, mm
AYPC.W62.0917	30
AYPC.W72.9908	110

Drainage holes processing  
Glazing from the inside.

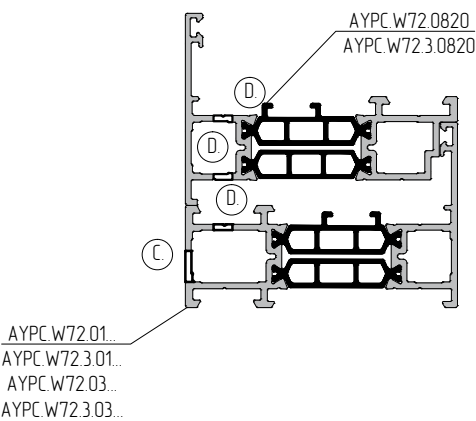
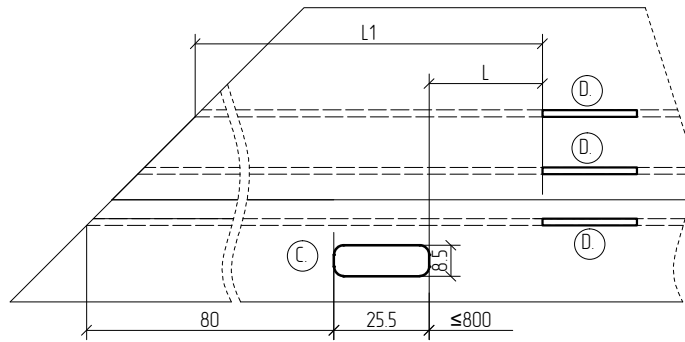
Changes (reduction) of the dimensions of drainage and ventilation holes are not allowed! It can influence on functionality of drainage and ventilation systems.



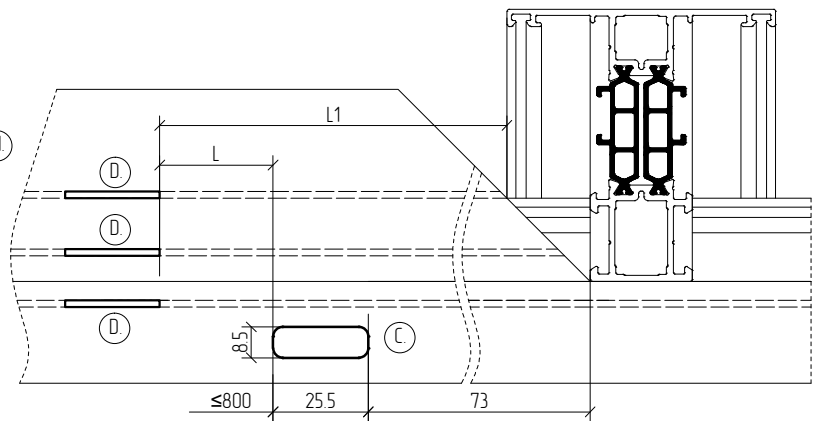
Bearing support	L, mm	L1, mm
AYPC.W62.0917	30	106
AYPC.W72.9908	110	186



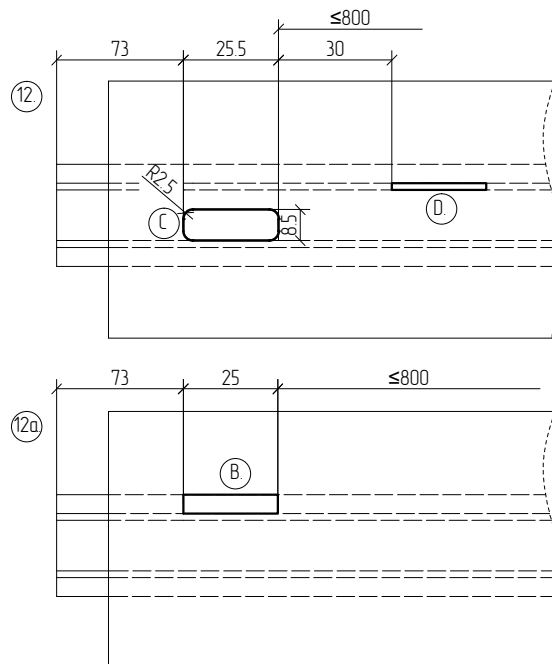
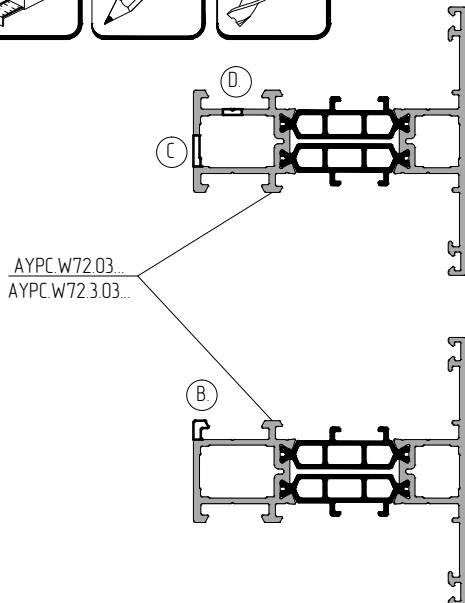
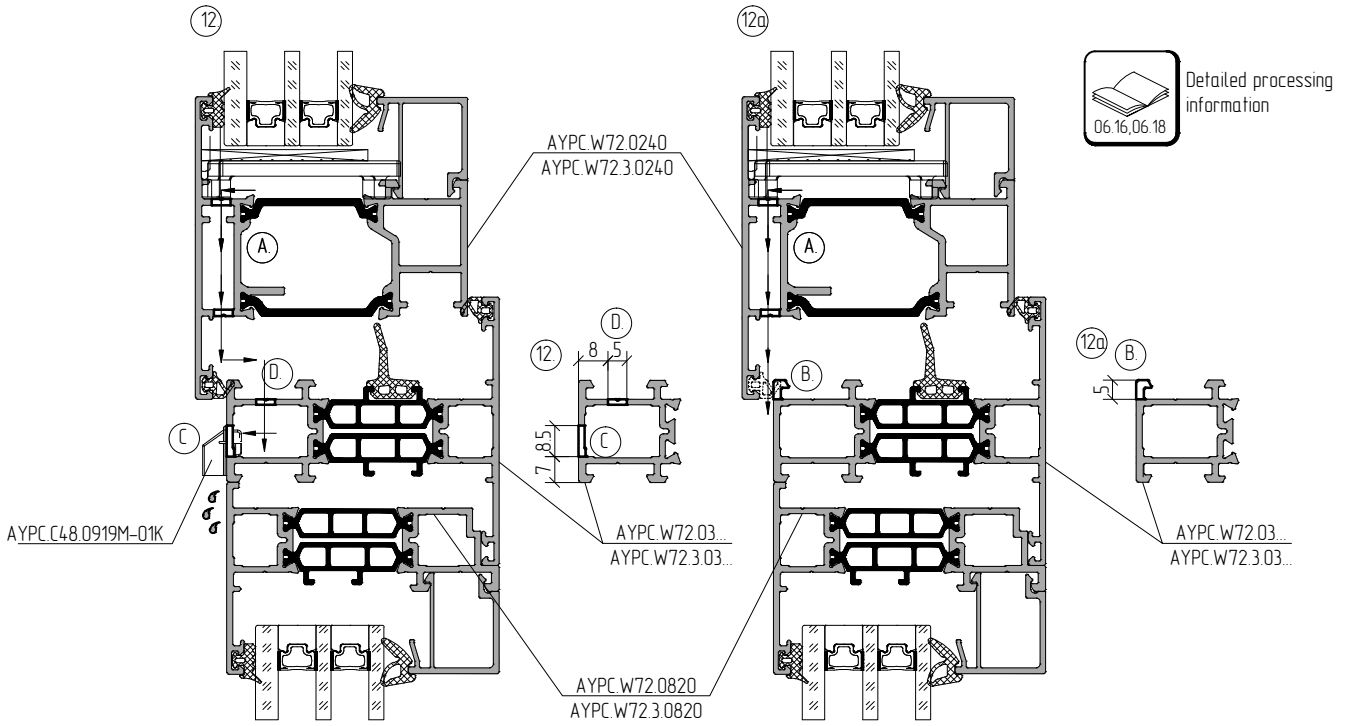
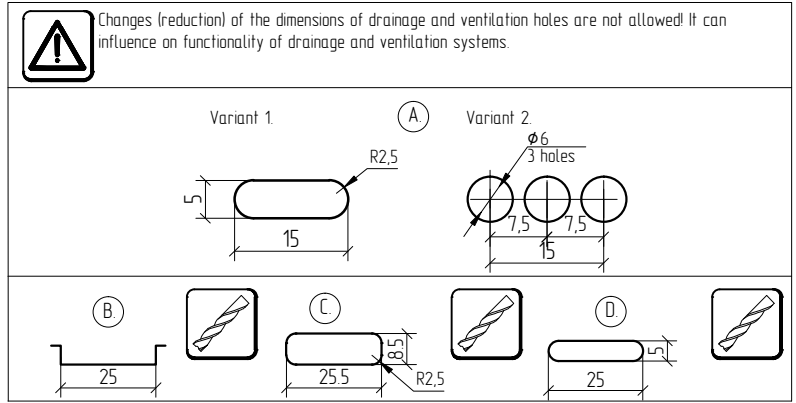
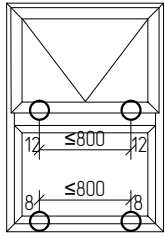
10



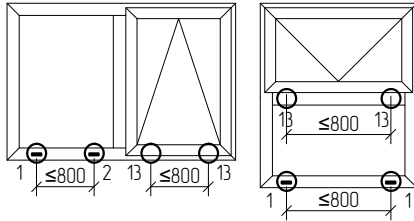
11



Drainage holes processing.  
Glazing from the inside.



Drainage holes processing.  
Glazing from the inside.

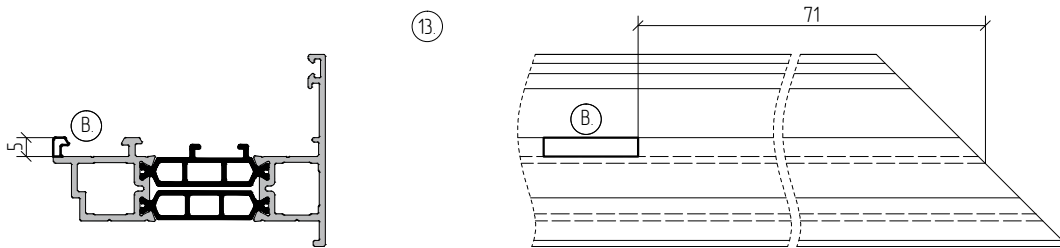
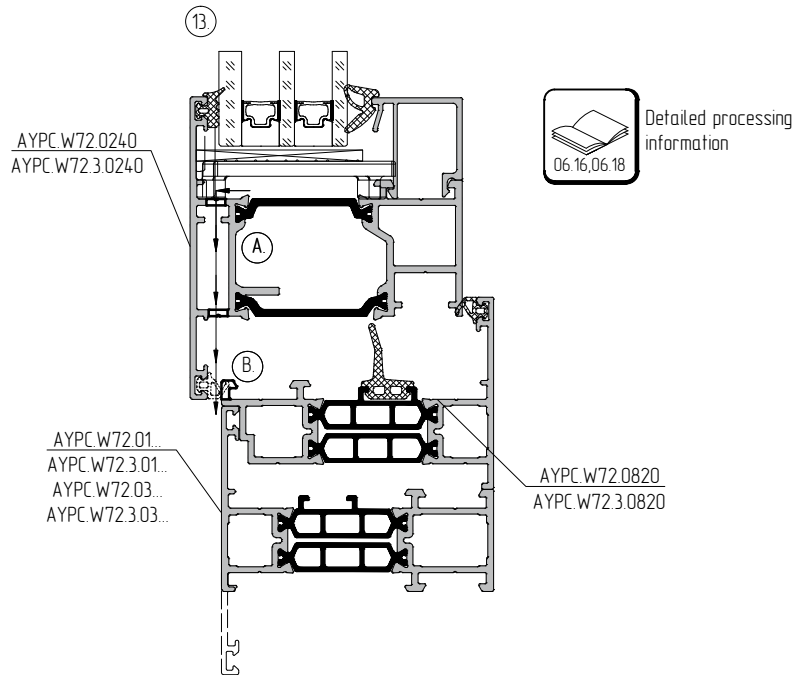


Changes (reduction) of the dimensions of drainage and ventilation holes are not allowed! It can influence on functionality of drainage and ventilation systems.

Variant 1. A

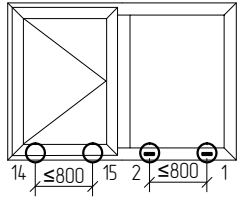
Variant 2. A

B

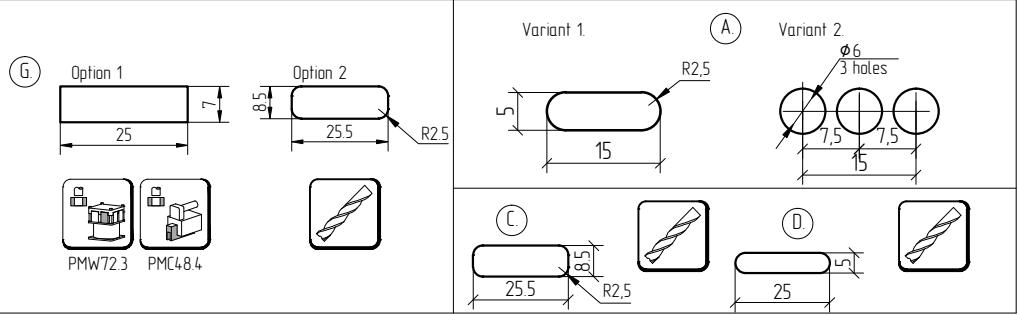




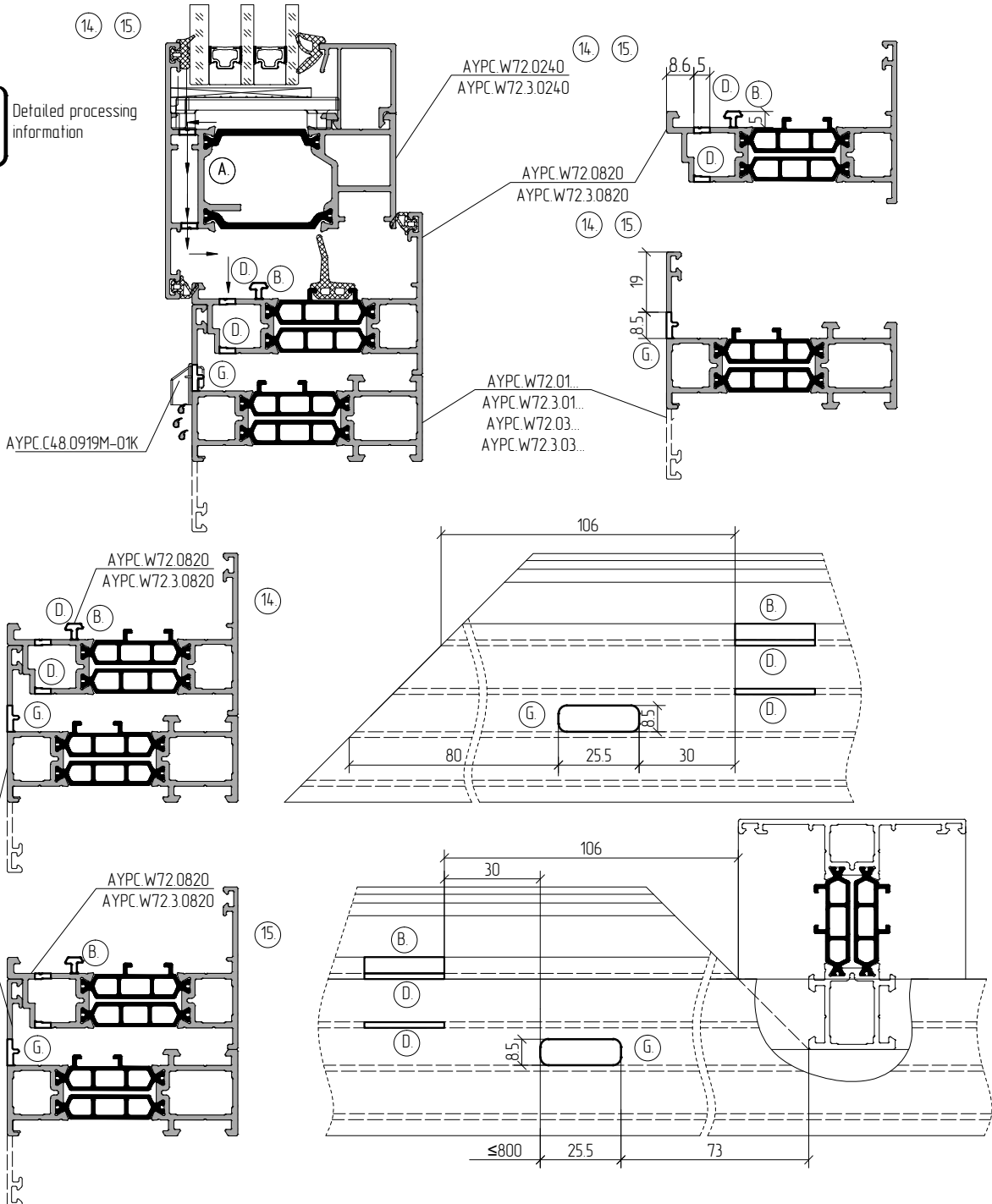
Drainage holes processing.  
Glazing from the inside.



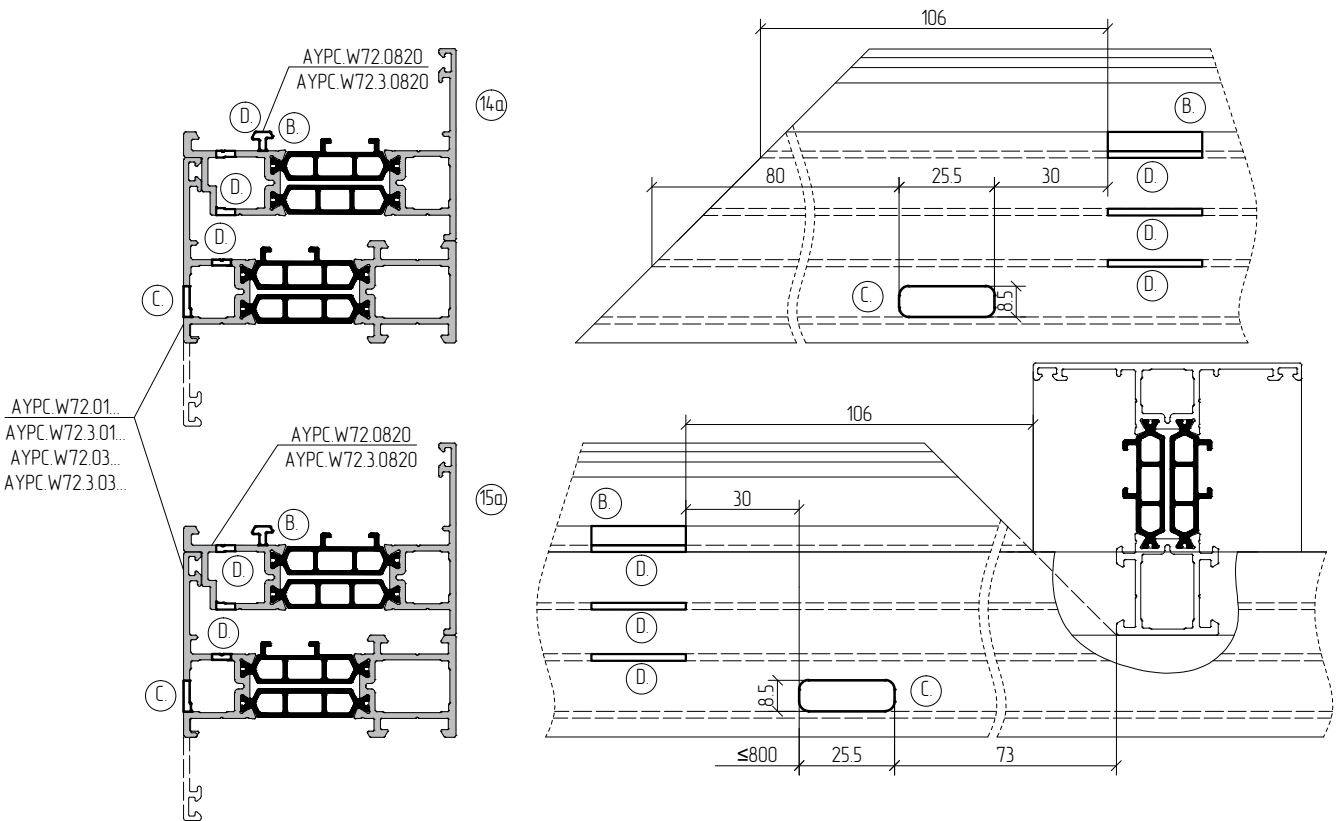
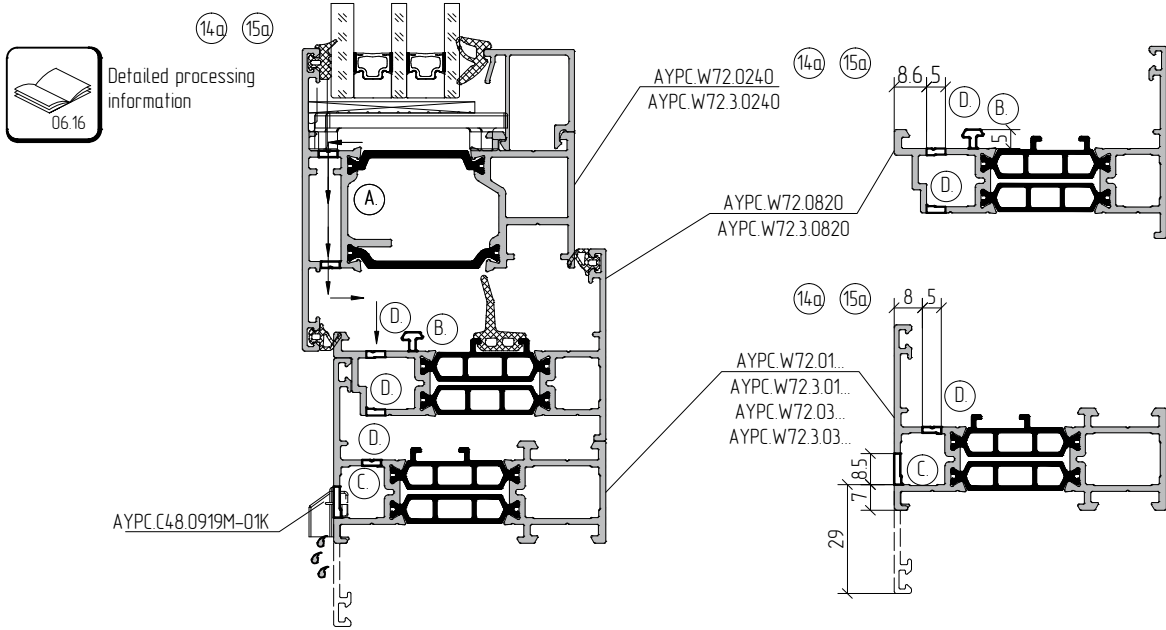
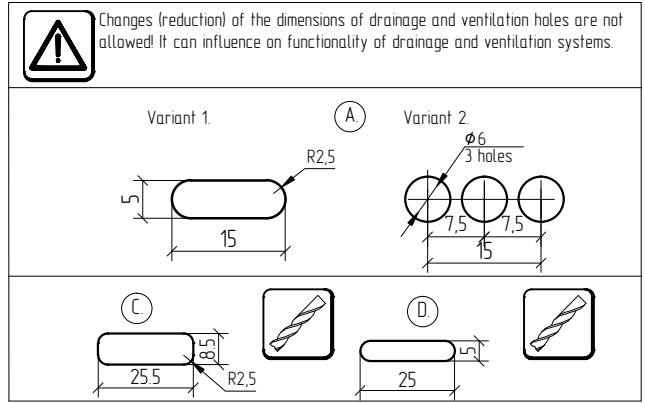
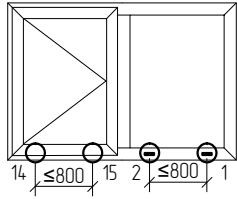
Changes (reduction) of the dimensions of drainage and ventilation holes are not allowed! It can influence on functionality of drainage and ventilation systems.



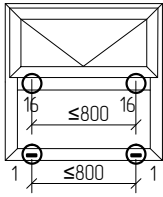
Detailed processing information  
06.16



Drainage holes processing.  
Glazing from the inside.



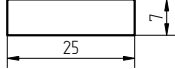
Drainage holes processing.  
Glazing from the inside.



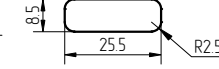
Changes (reduction) of the dimensions of drainage and ventilation holes are not allowed! It can influence on functionality of drainage and ventilation systems.

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Option 1



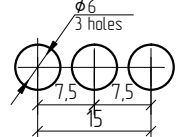
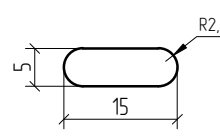
Option 2



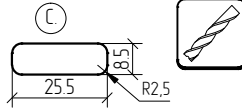
Variant 1

Ⓐ

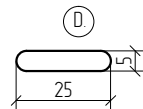
Variant 2



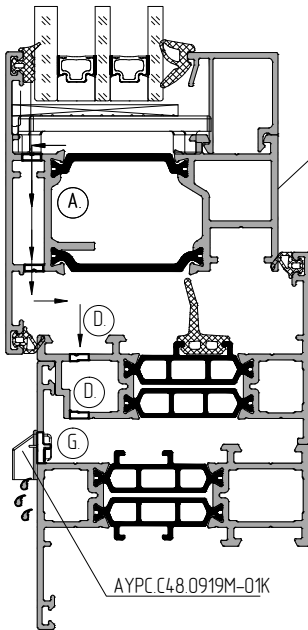
Ⓒ



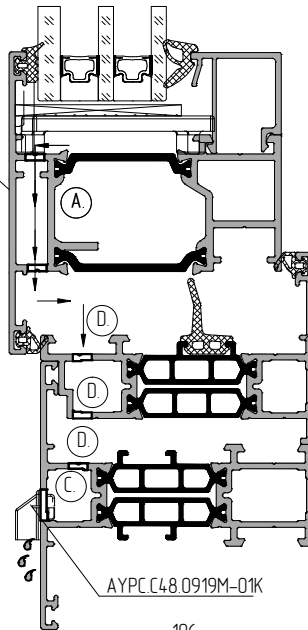
Ⓓ



Ⓐ

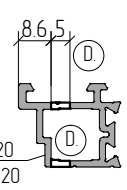


Ⓐ

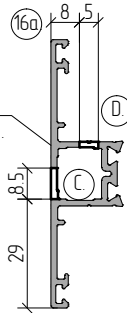


Detailed processing information  
06.16

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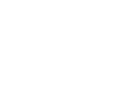
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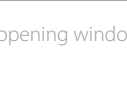
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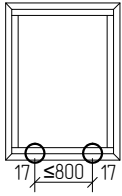
Ⓐ



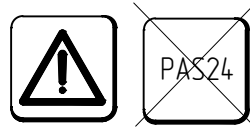
Ⓐ

Drainage holes processing.  
Glazing from the outside.

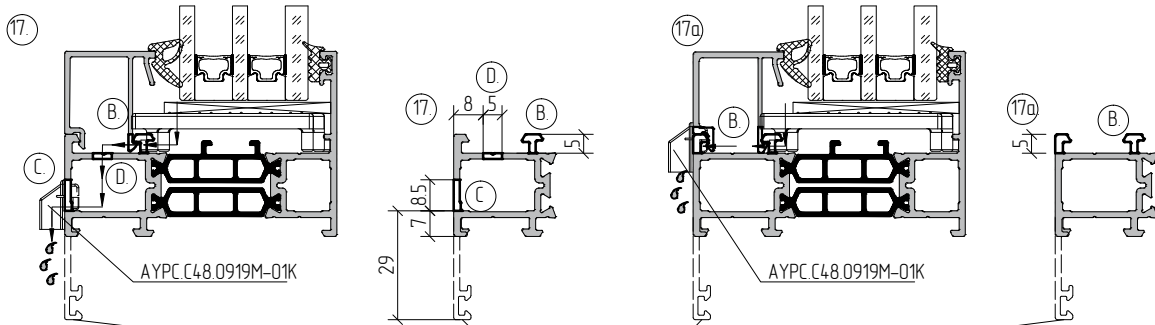
Changes (reduction) of the dimensions of drainage and ventilation holes are not allowed! It can influence on functionality of drainage and ventilation systems.



Detailed processing information



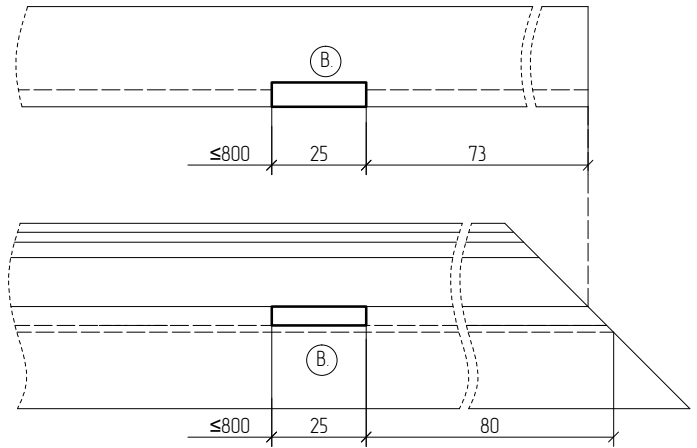
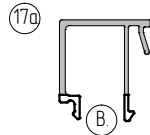
This option can not be applied to PAS 24



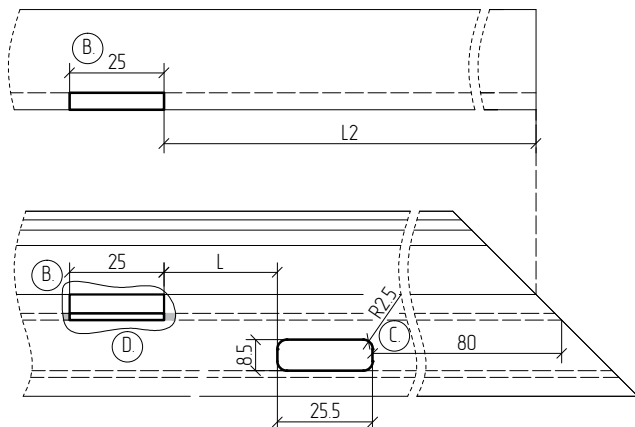
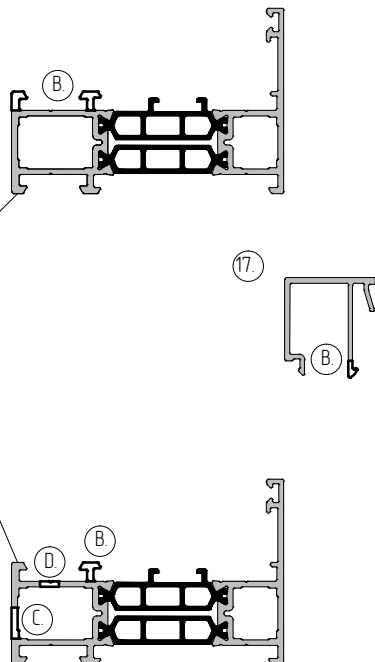
AYPC.W72.01...  
AYPC.W72.3.01...  
AYPC.W72.03...  
AYPC.W72.3.03...



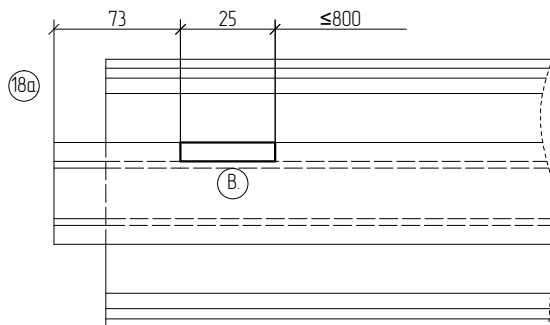
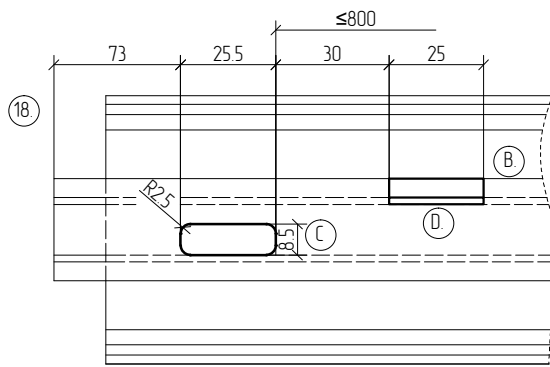
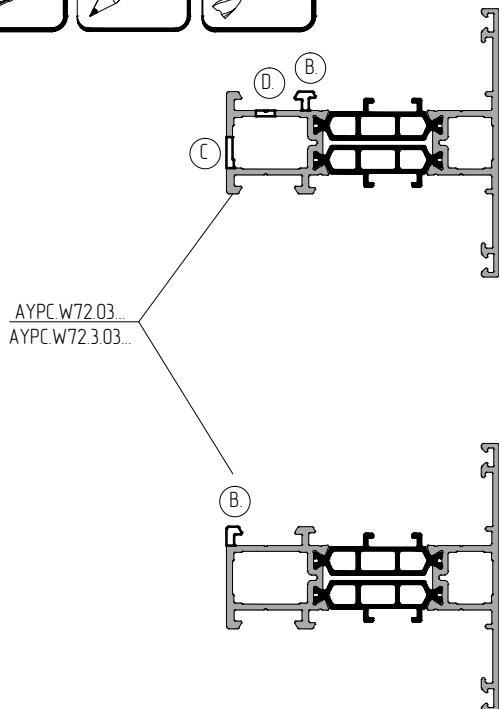
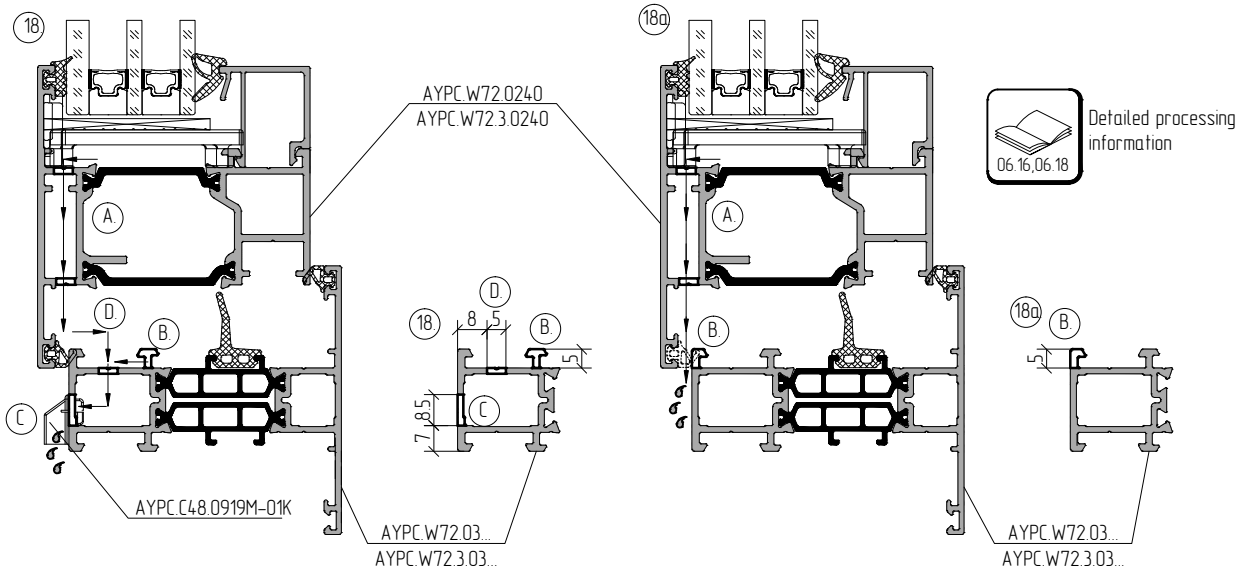
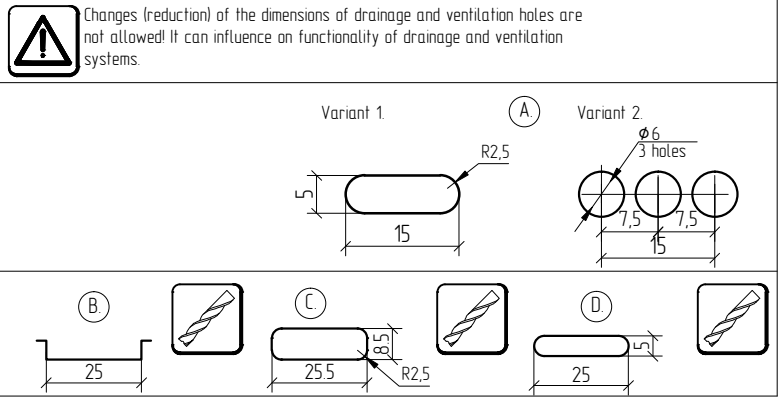
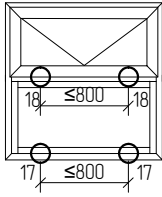
Bearing support	L, mm	L2, mm
AYPC.W62.0917	30	128
AYPC.W72.9908	110	208



AYPC.W72.01...  
AYPC.W72.3.01...  
AYPC.W72.03...  
AYPC.W72.3.03...

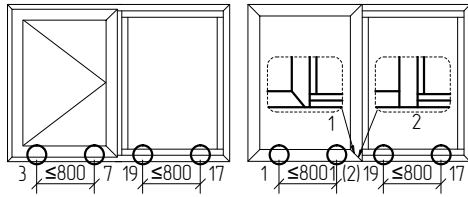


Drainage holes processing.  
Glazing from the outside.



Drainage holes processing.  
Glazing from the outside.

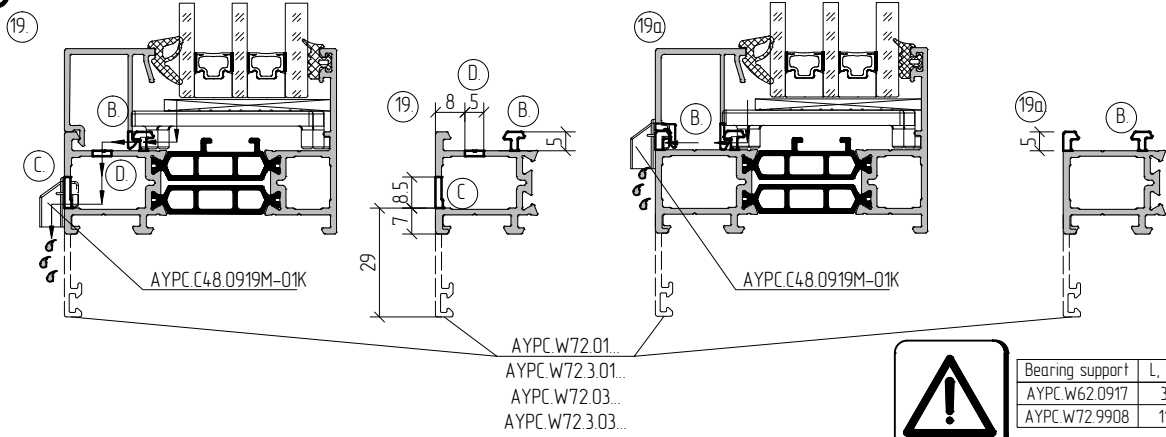
Changes (reduction) of the dimensions of drainage and ventilation holes are not allowed! It can influence on functionality of drainage and ventilation systems.



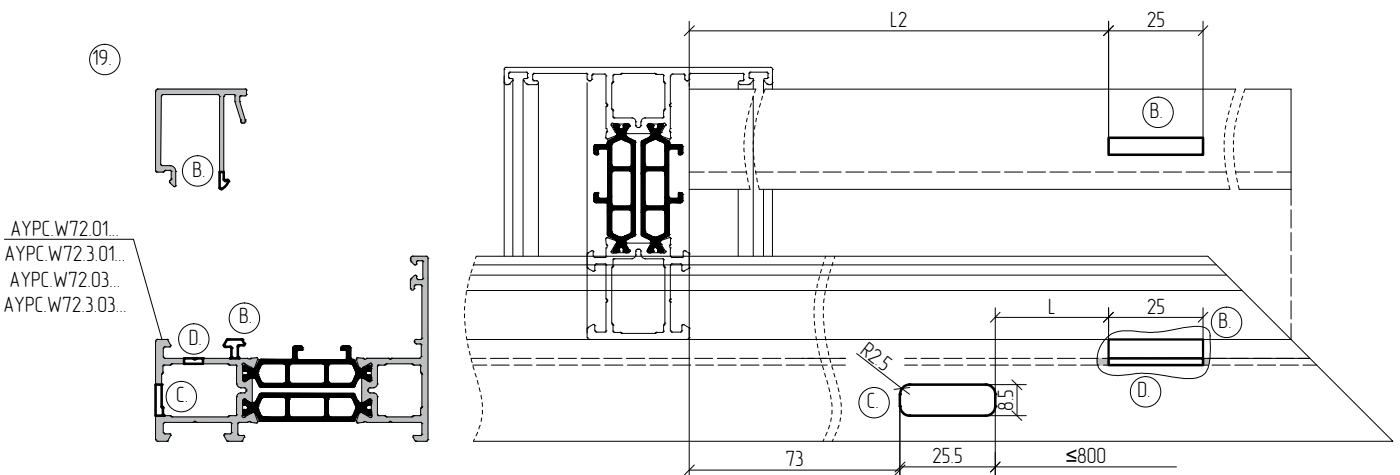
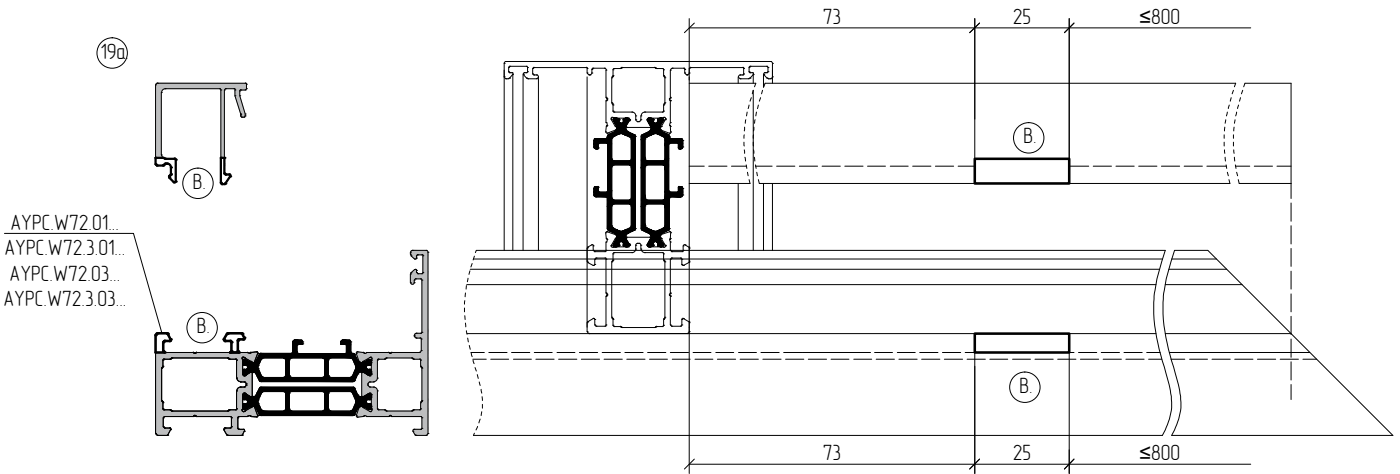
Detailed processing information



This option can not be applied to PAS 24



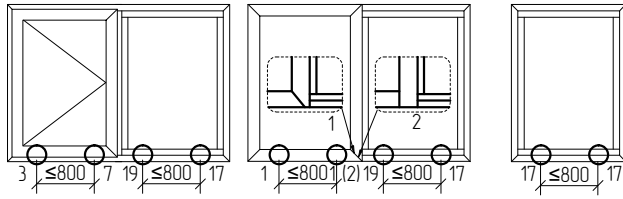
Bearing support	L, mm	L2, mm
AYPC.W62.0917	30	128
AYPC.W72.9908	110	208



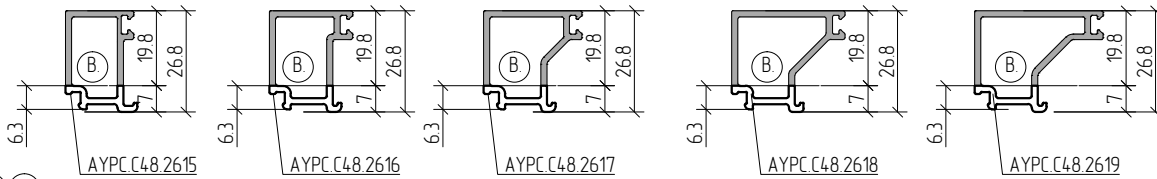
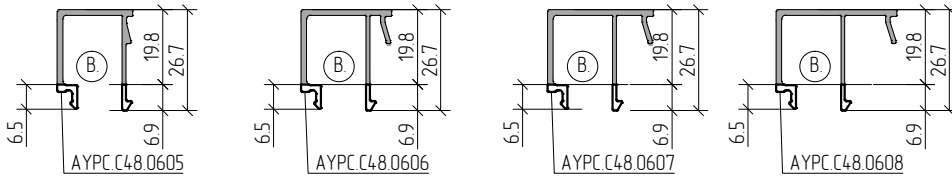
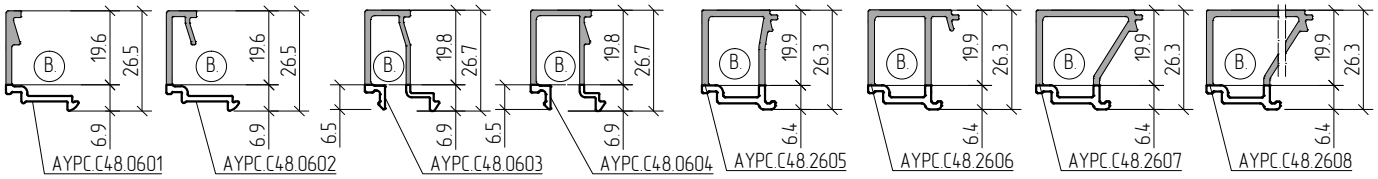
01  
02  
03  
04  
05  
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08  
09  
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Drainage holes processing.  
Glazing from the outside.

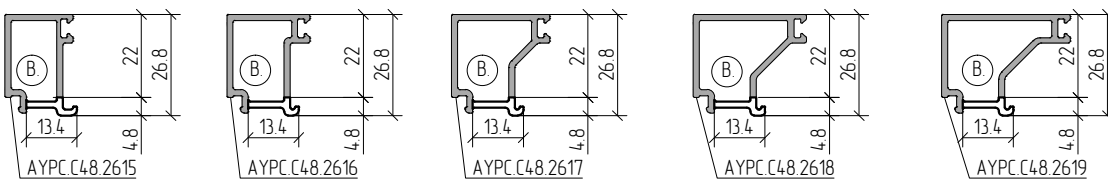
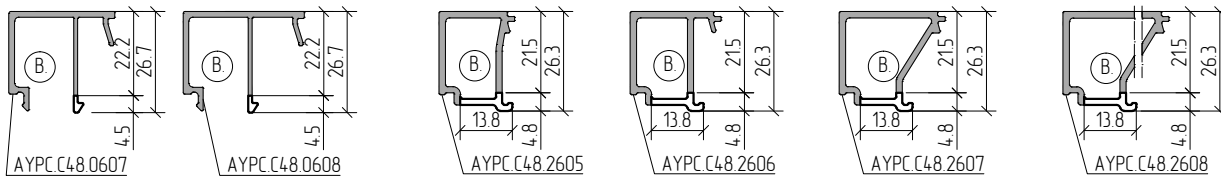
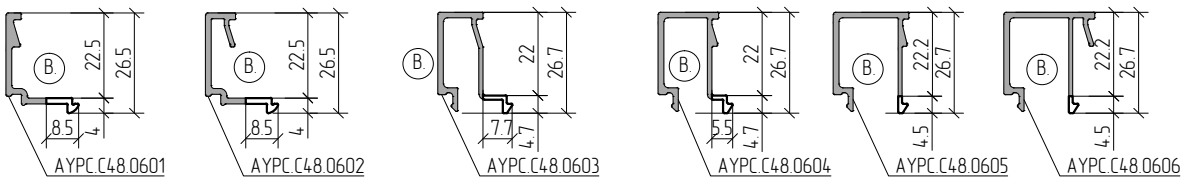
Changes (reduction) of the dimensions of drainage and ventilation holes are not allowed! It can influence on functionality of drainage and ventilation systems.



(17a) (19a)




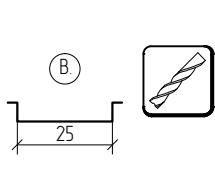
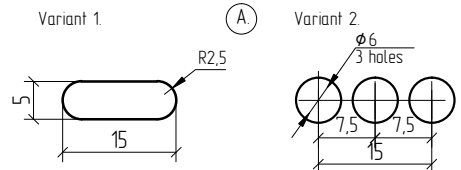
(17) (19)

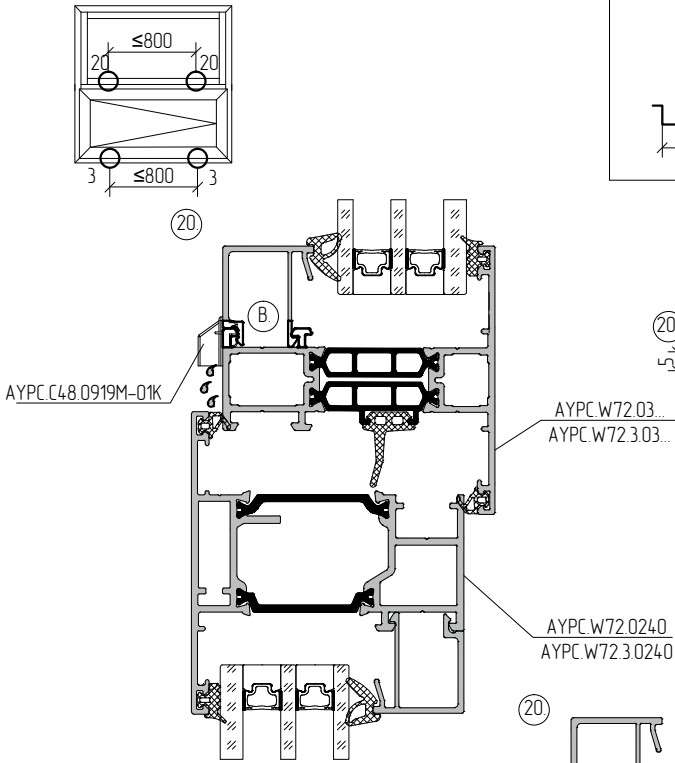



PAS24

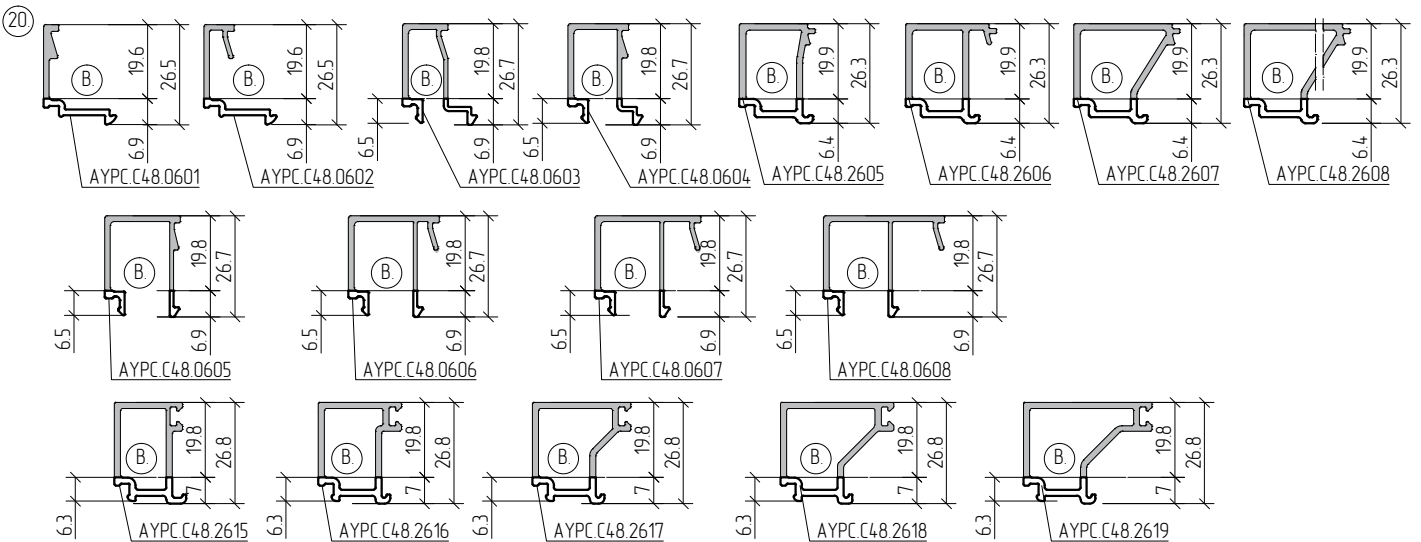
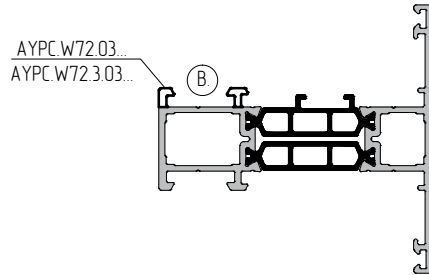
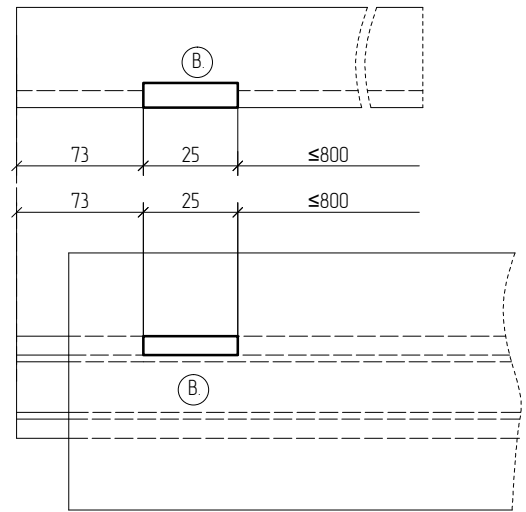
Drainage holes processing.  
Glazing from the outside.

 Changes (reduction) of the dimensions of drainage and ventilation holes are not allowed! It can influence on functionality of drainage and ventilation systems.

Variant 1:  Variant 2: 

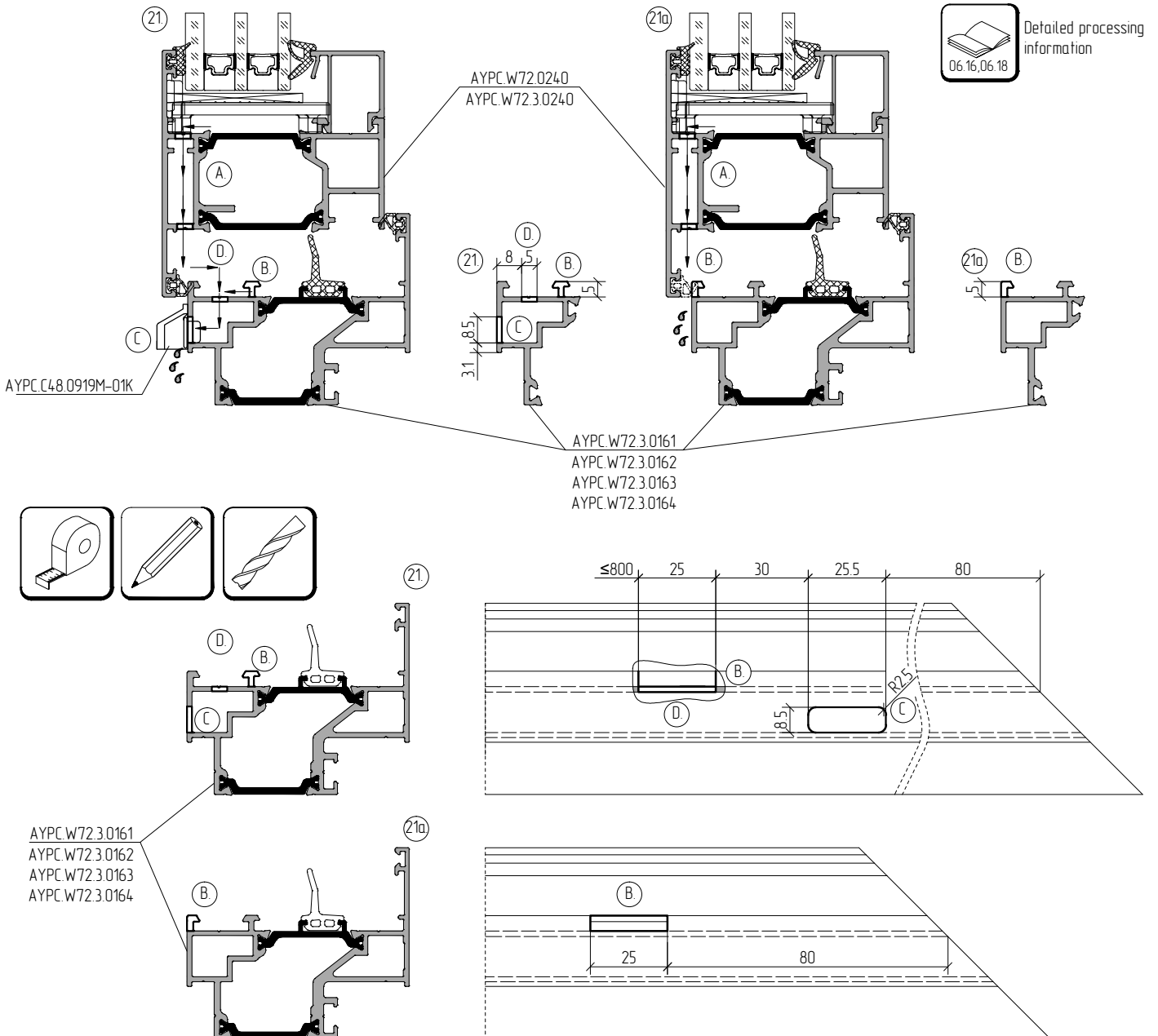
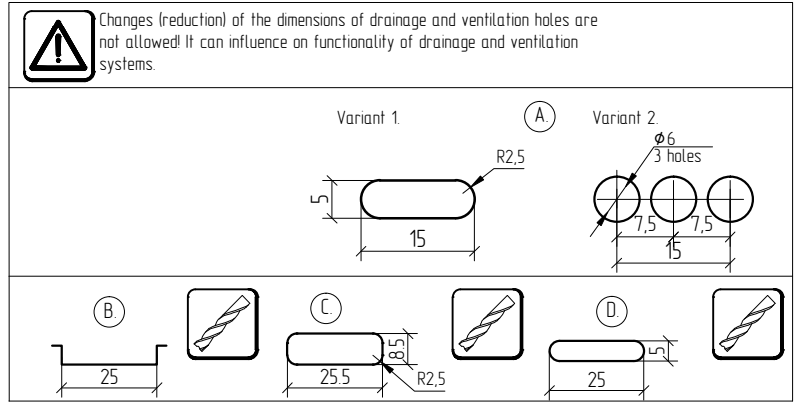
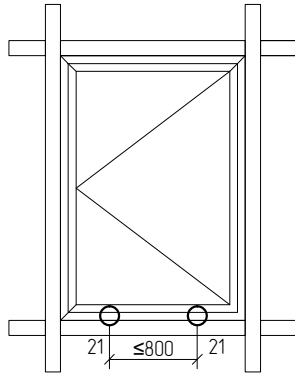


 This option can not be applied to PAS 24





Drainage holes processing  
Glazing from the inside.



Drainage holes processing.  
Glazing from the inside.

Changes (reduction) of the dimensions of drainage and ventilation holes are not allowed! It can influence on functionality of drainage and ventilation systems.

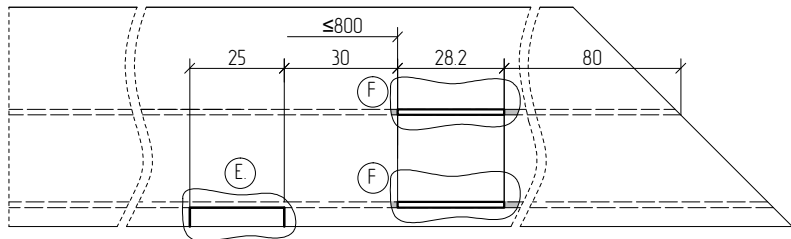
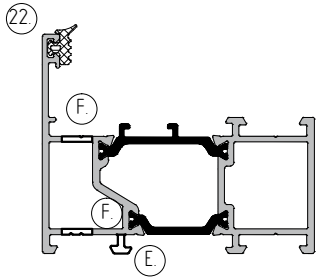
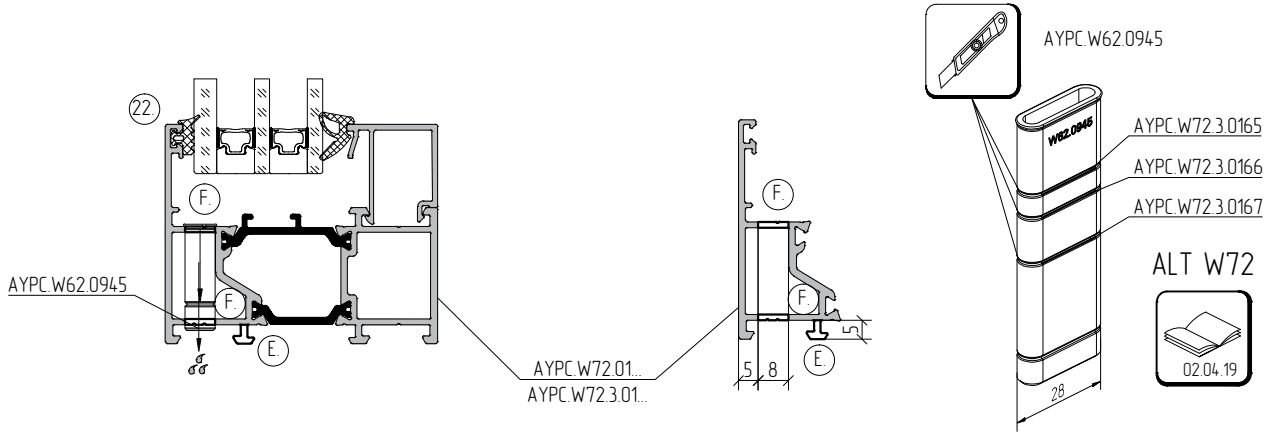
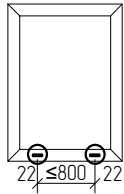
(E)

25

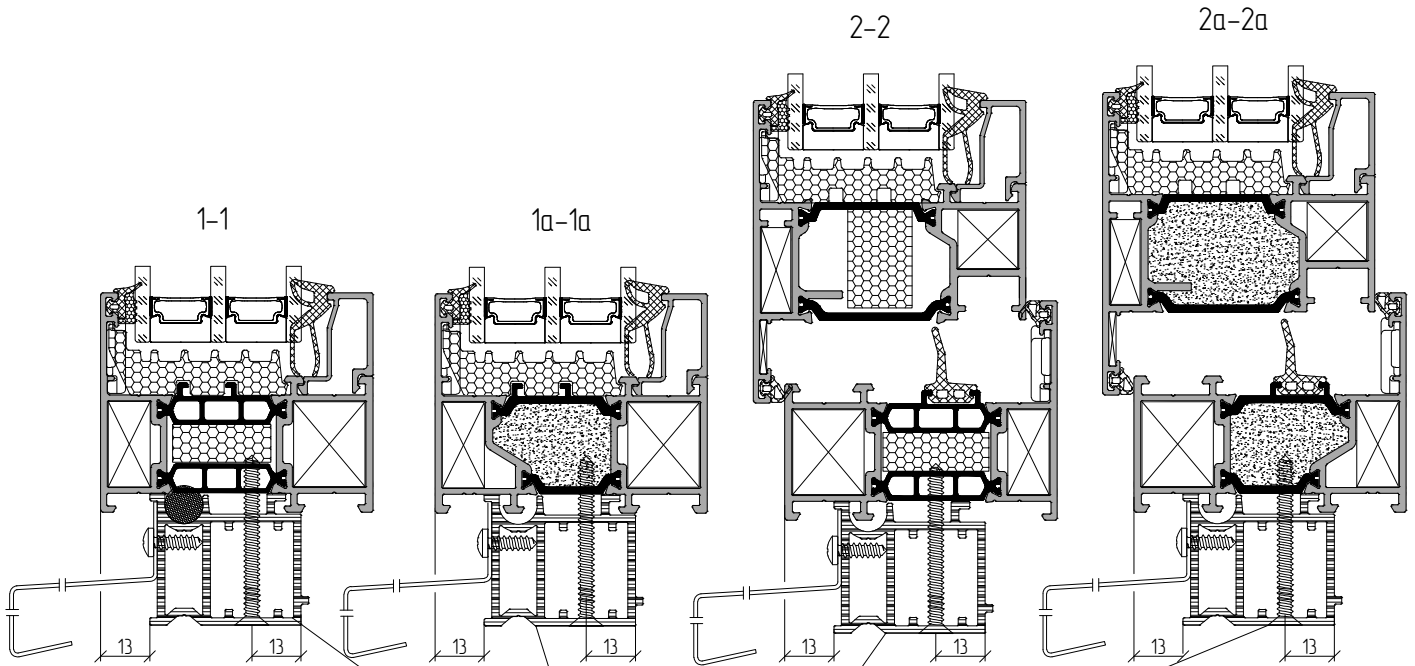
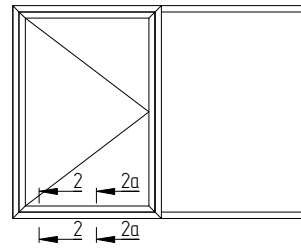
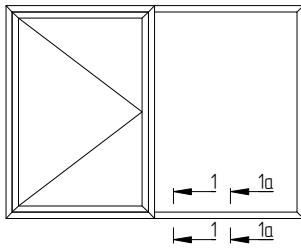
(F)

28.2

R2,5



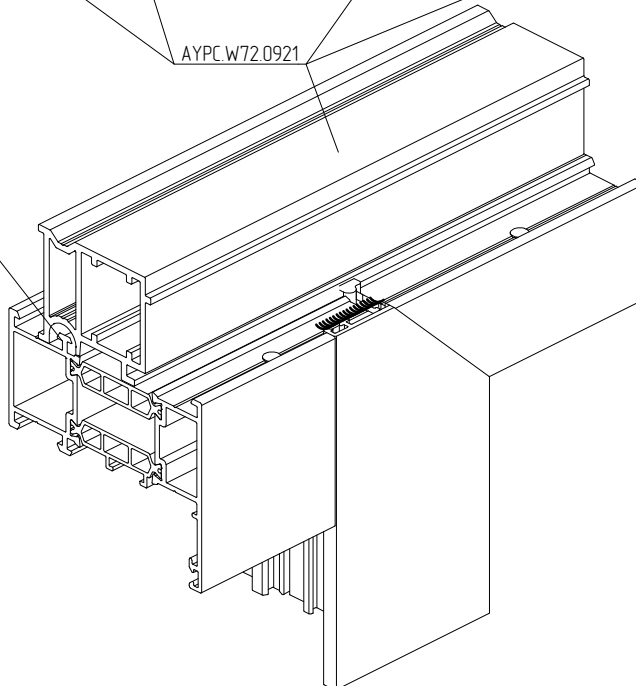
Installation of AYPC.W72.0921 underlying profile

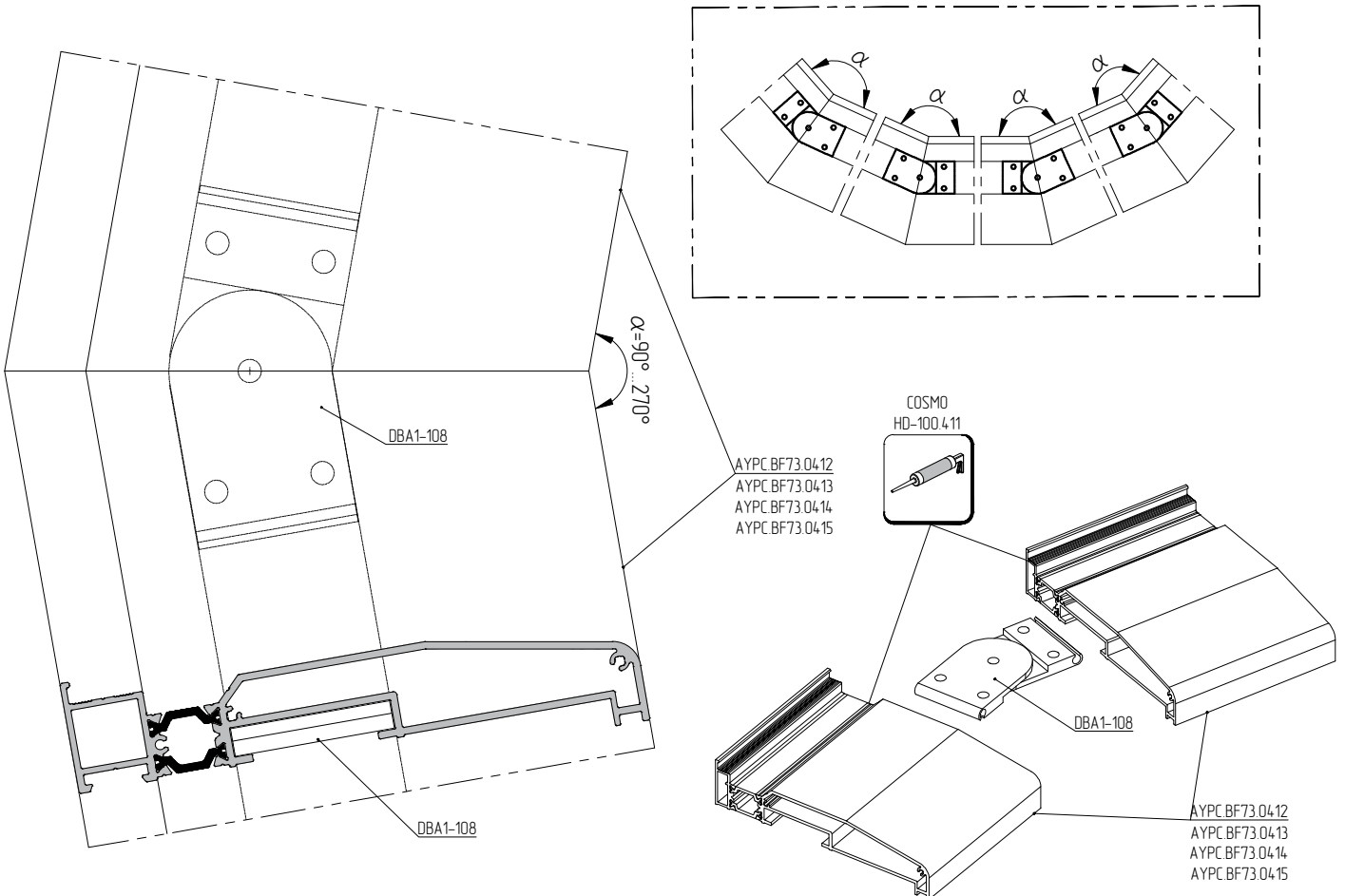
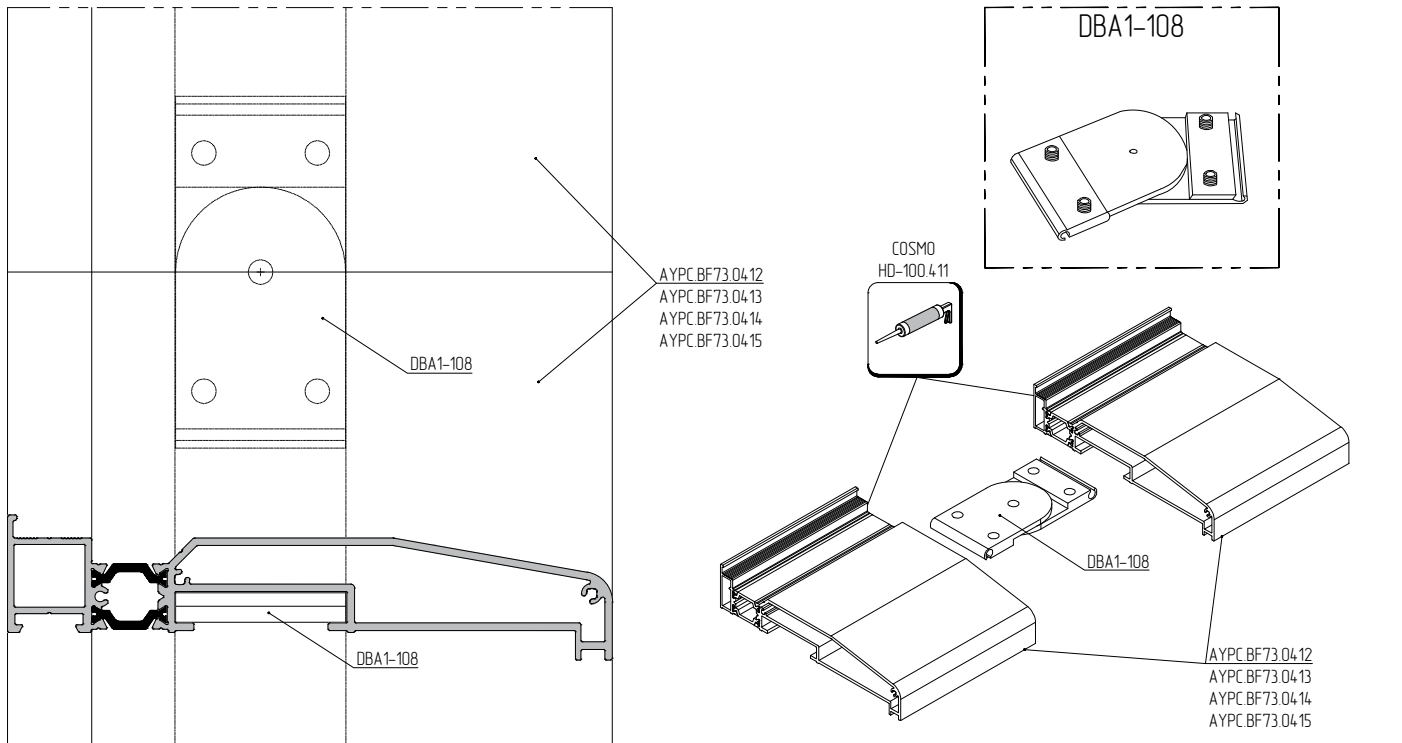


Detailed processing information  
05.33-05.35

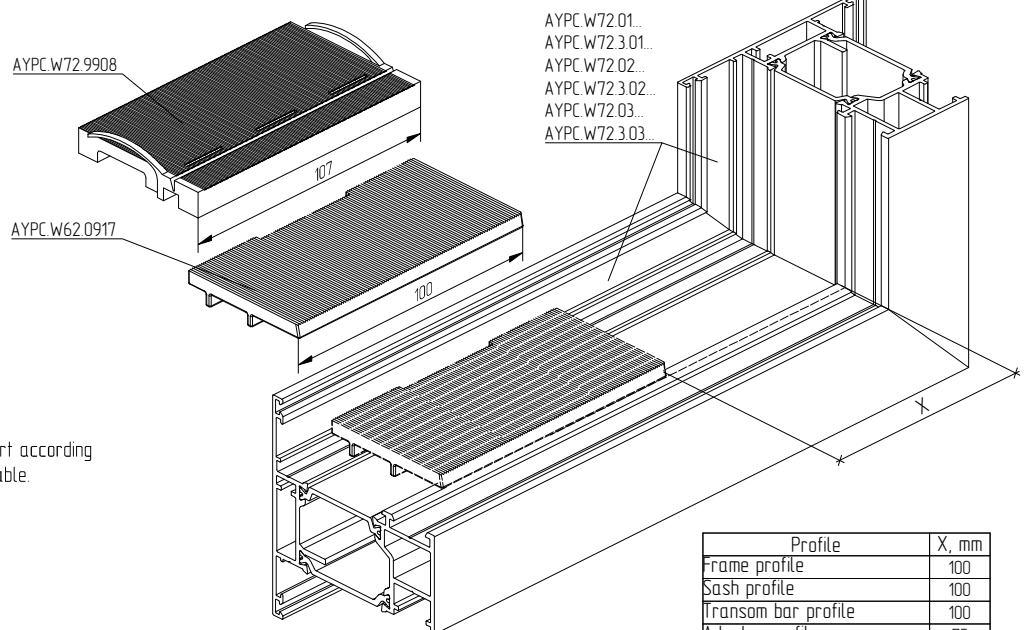
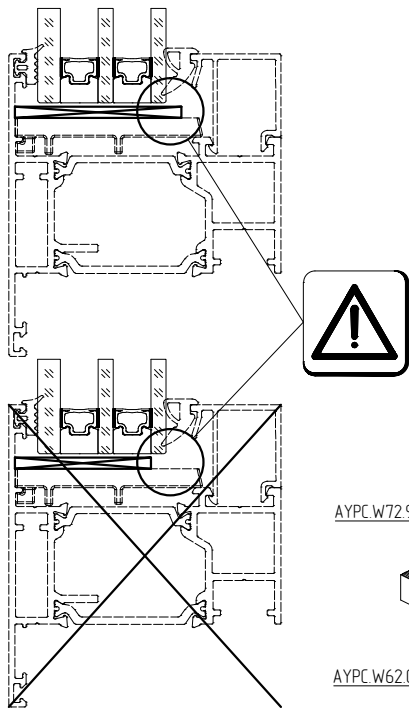
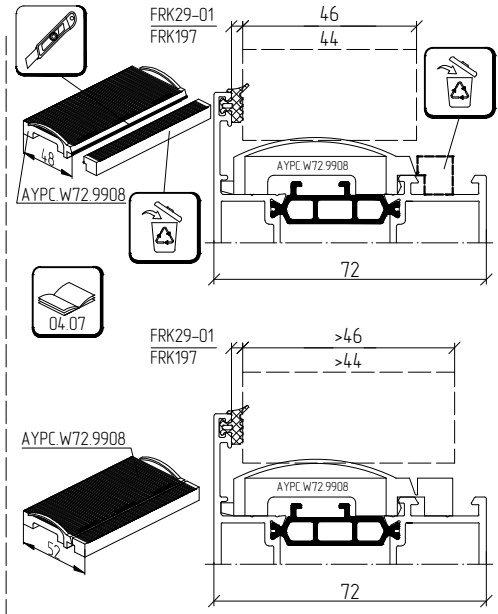
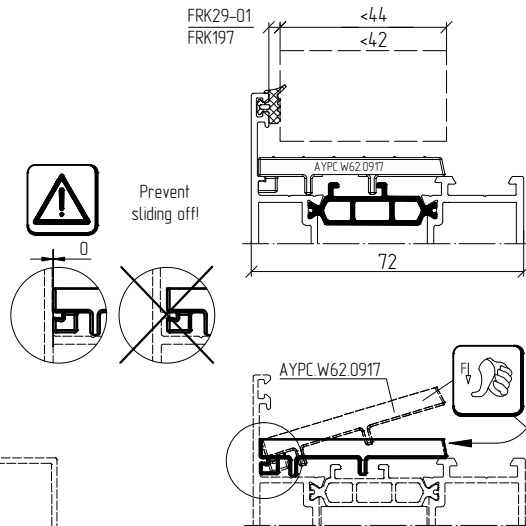
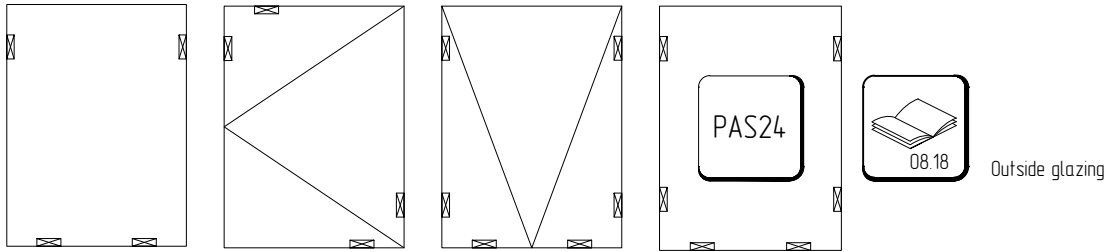
AYPC.W72.0921

AYPC.W72.0912





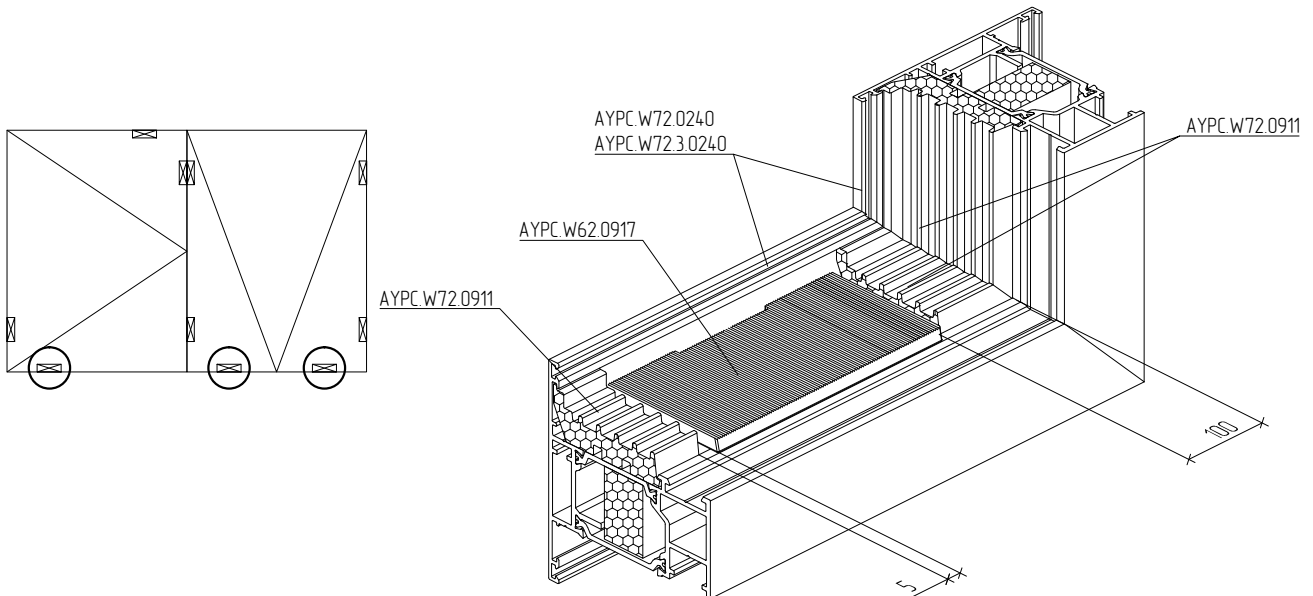
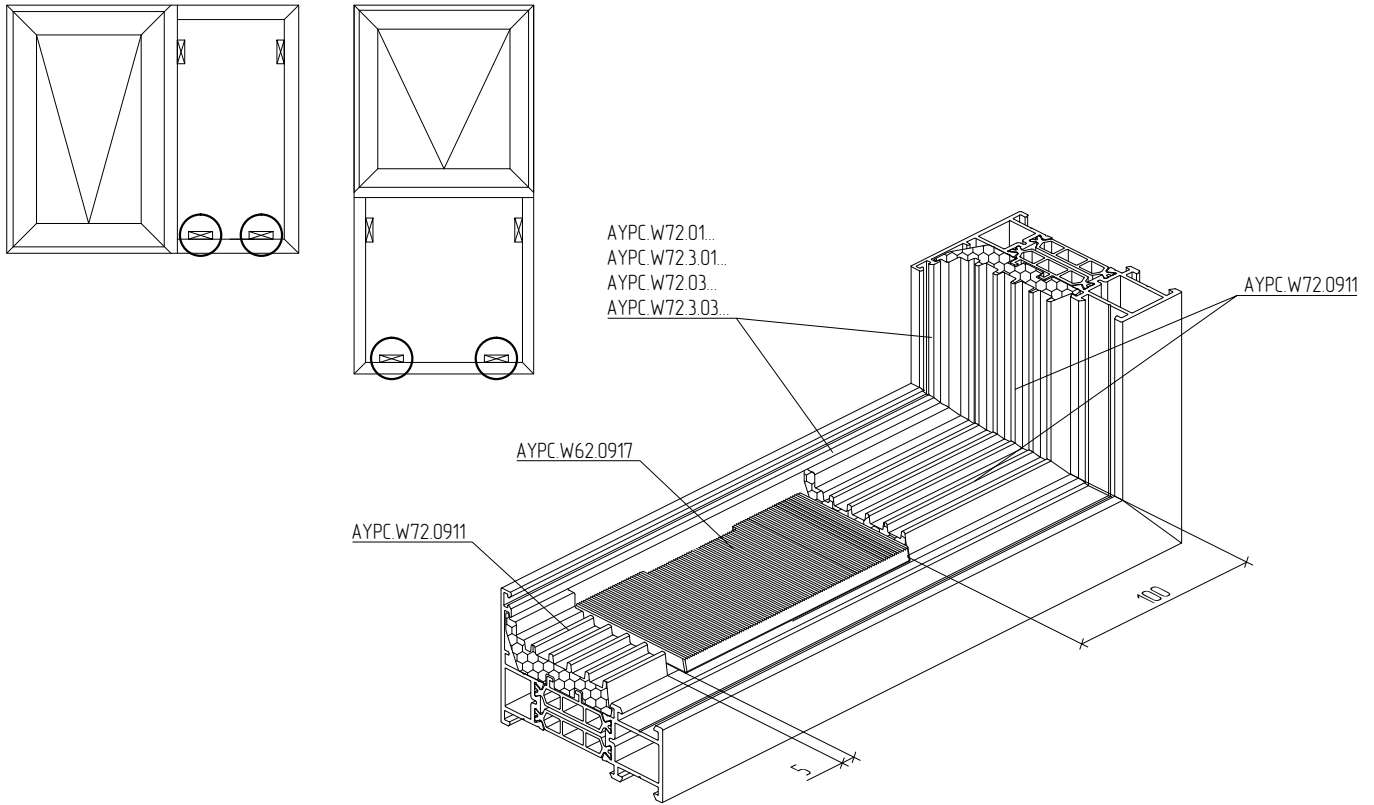
Bearing support installation scheme



04.07  
Leveling support according  
with glazing table.

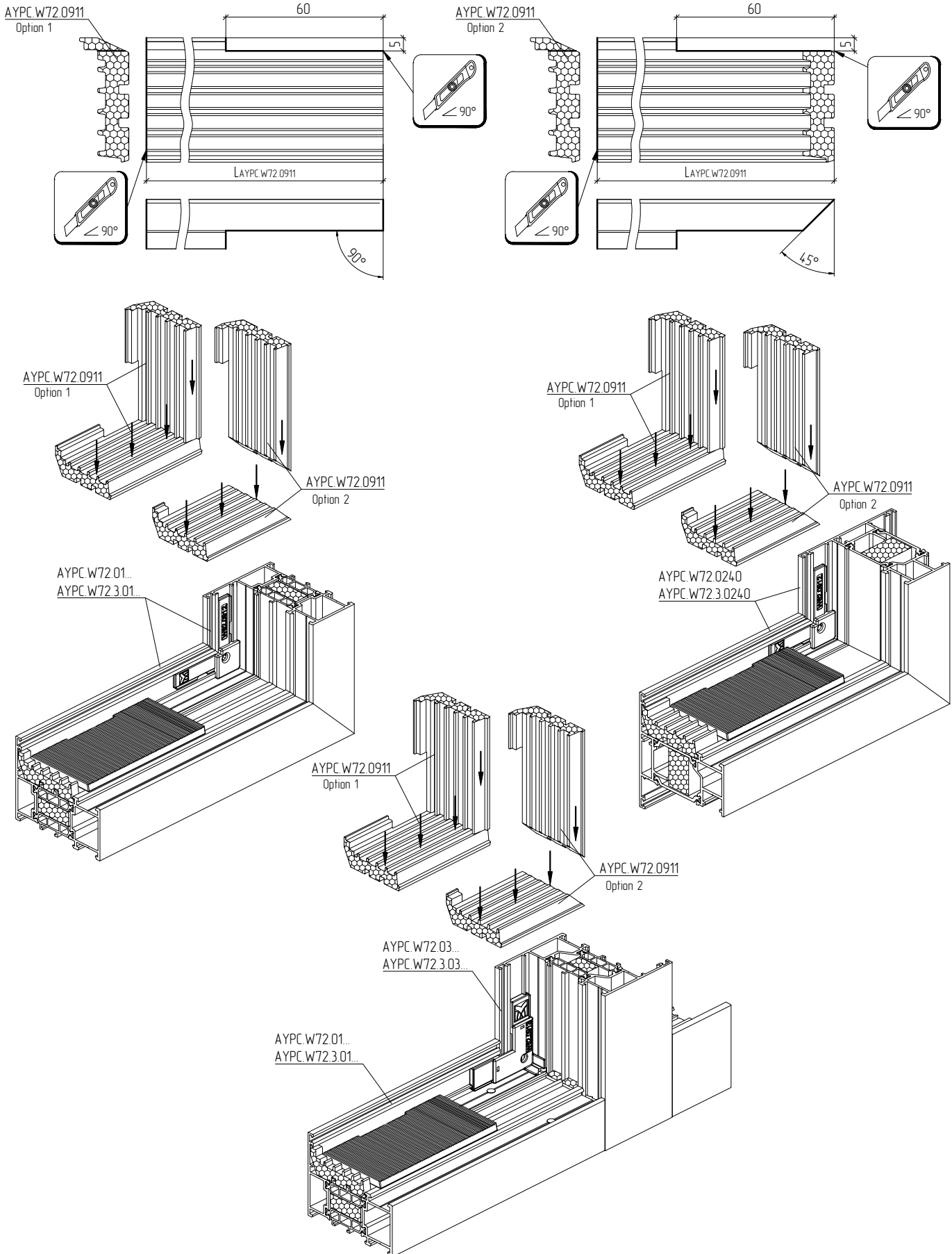
Profile	X, mm
Frame profile	100
Sash profile	100
Transom bar profile	100
Adapter profile	75
Adapter profile 06.24.9a	100

Seam sealing processing for bearing support installation

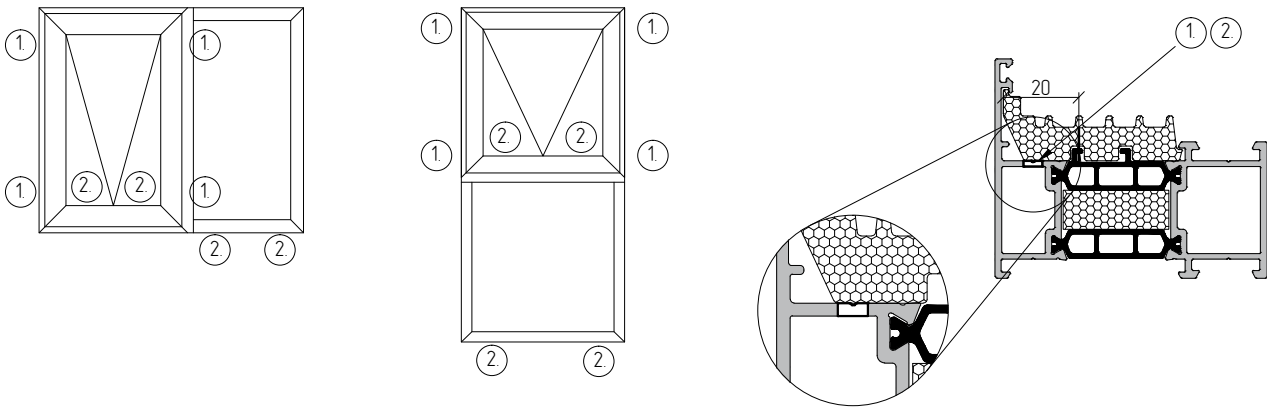


See AYPC.W72.0911 seam sealing processing in corner zone on page 06.42

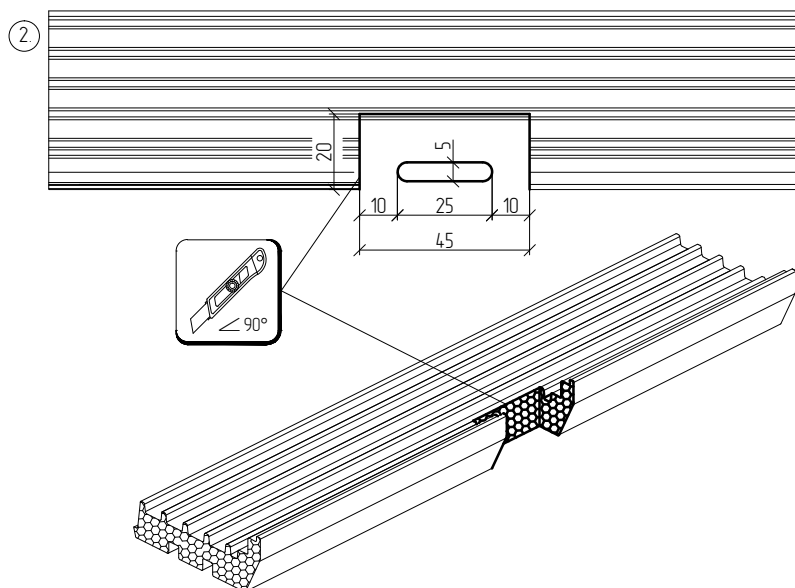
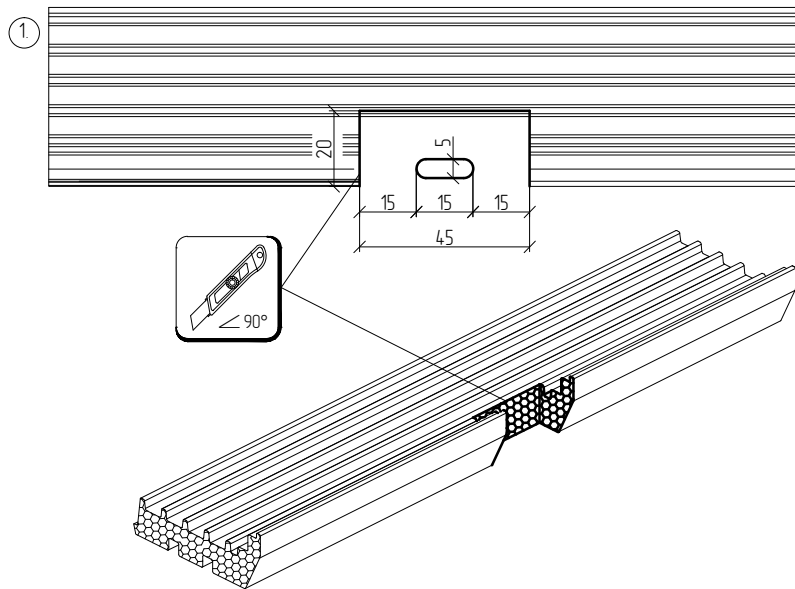
Seam sealing processing in the zone of installation of  
AYPC.W62.0912 and AYPC.W62.0913 plastic corners.



Processing of AYPC.W72.0911 seam sealing for ventilation holes

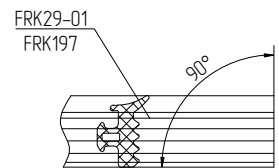
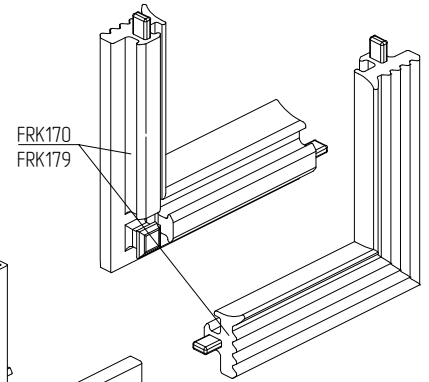
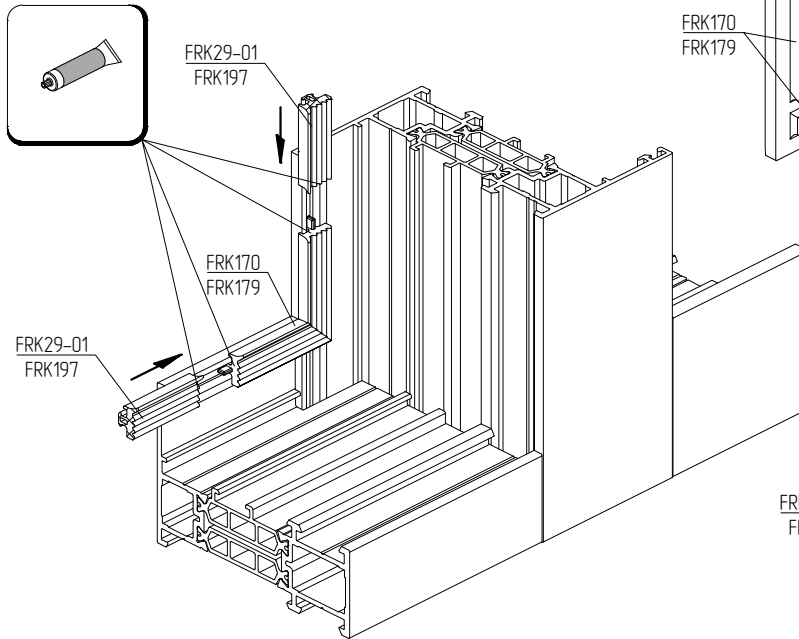
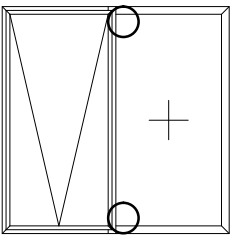
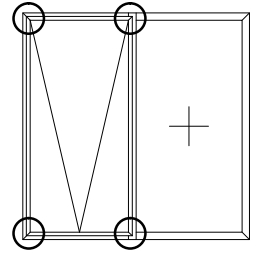
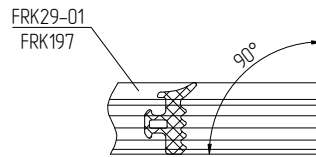
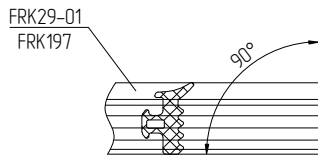
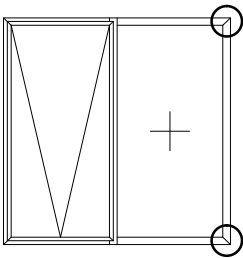
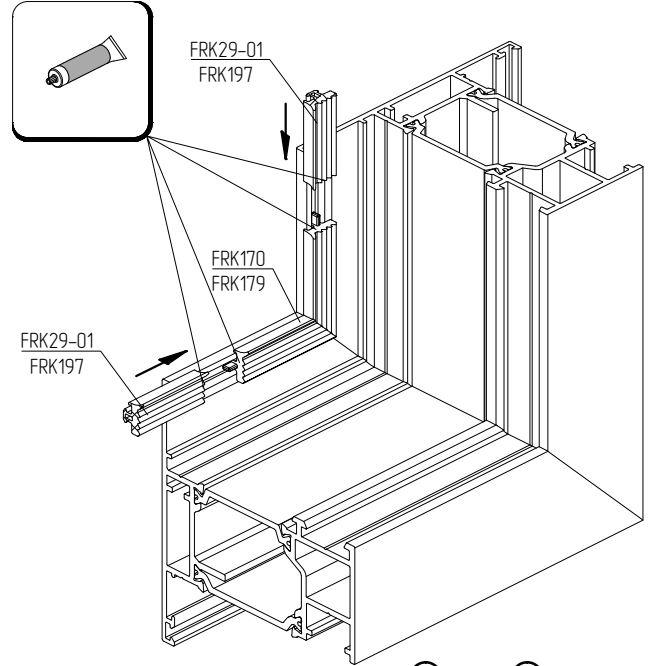
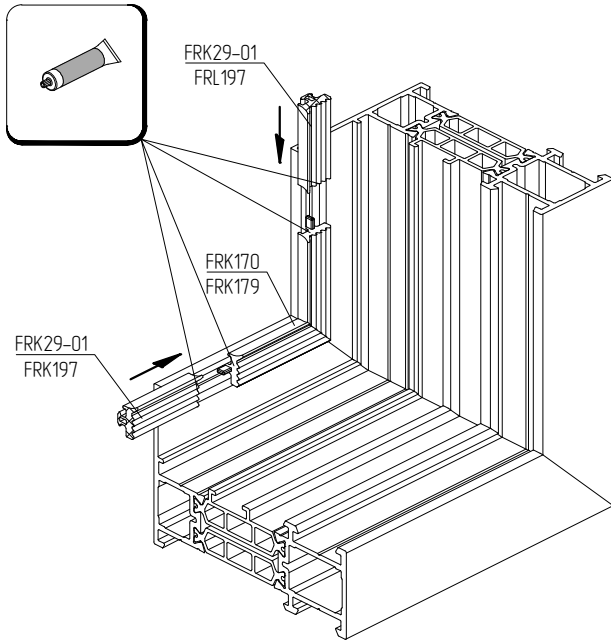


- ① Ventilation holes
- ② Drainage holes



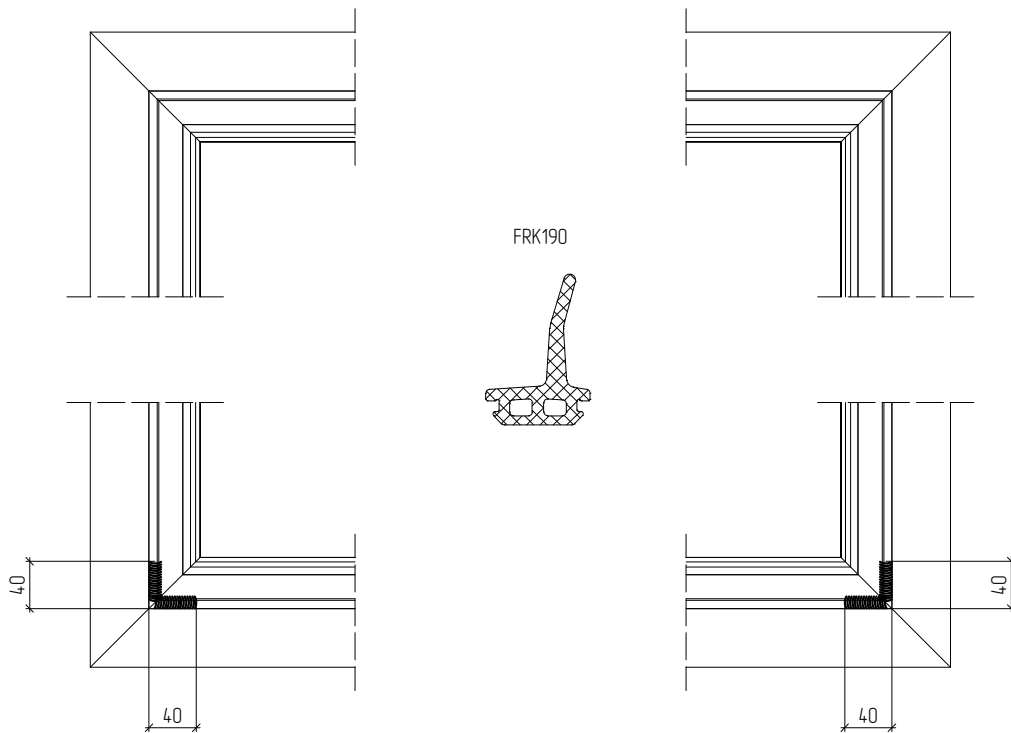
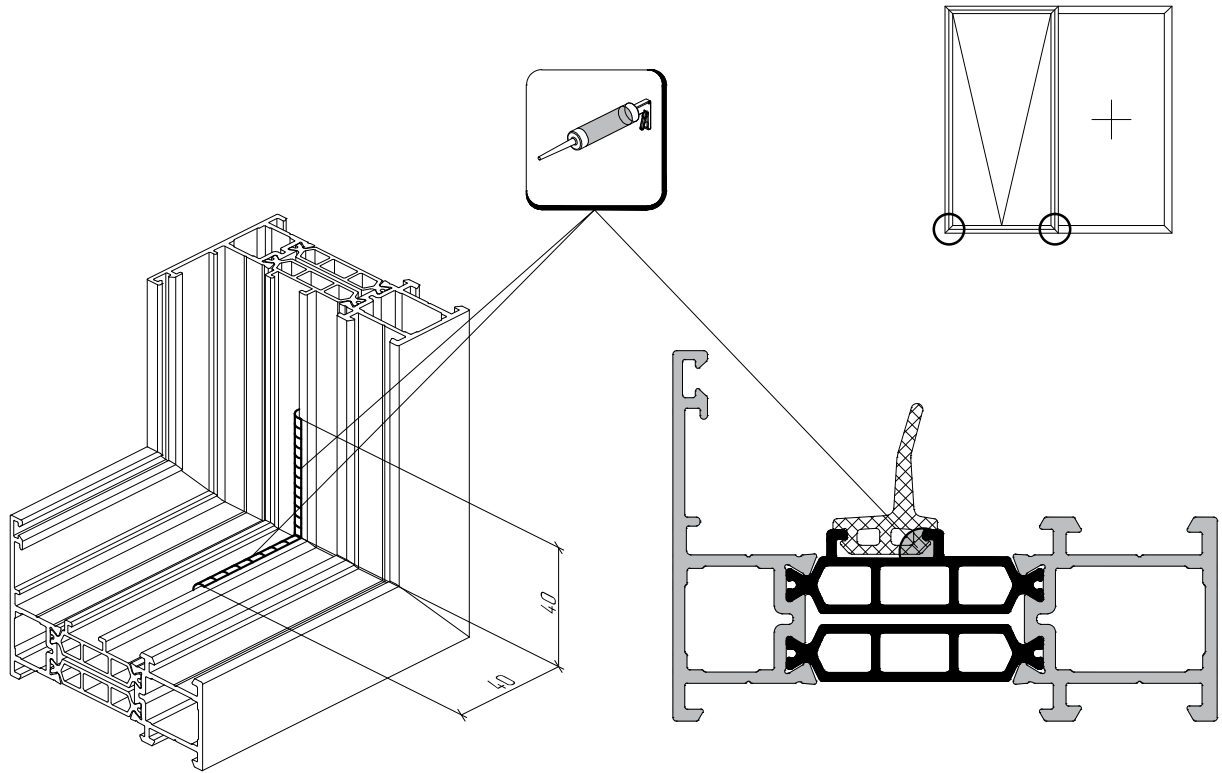


Gasket cutting and installation



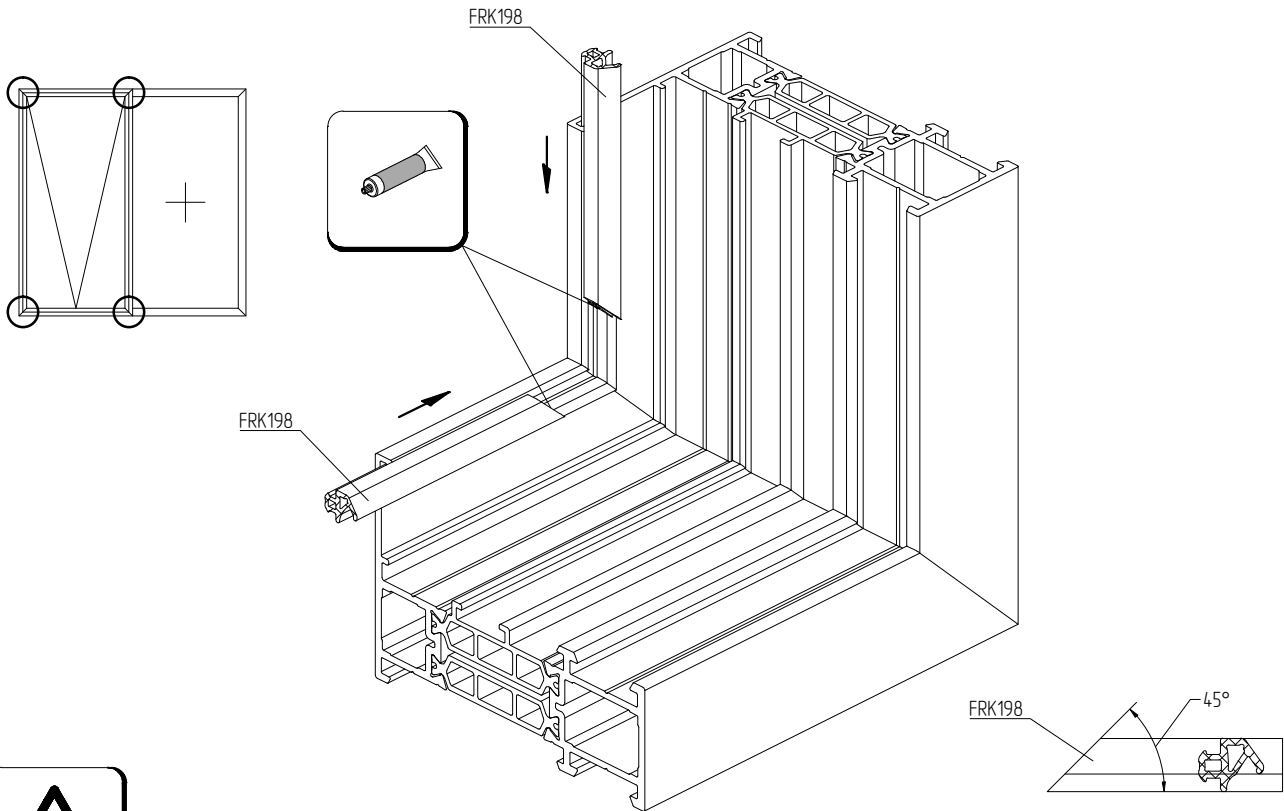
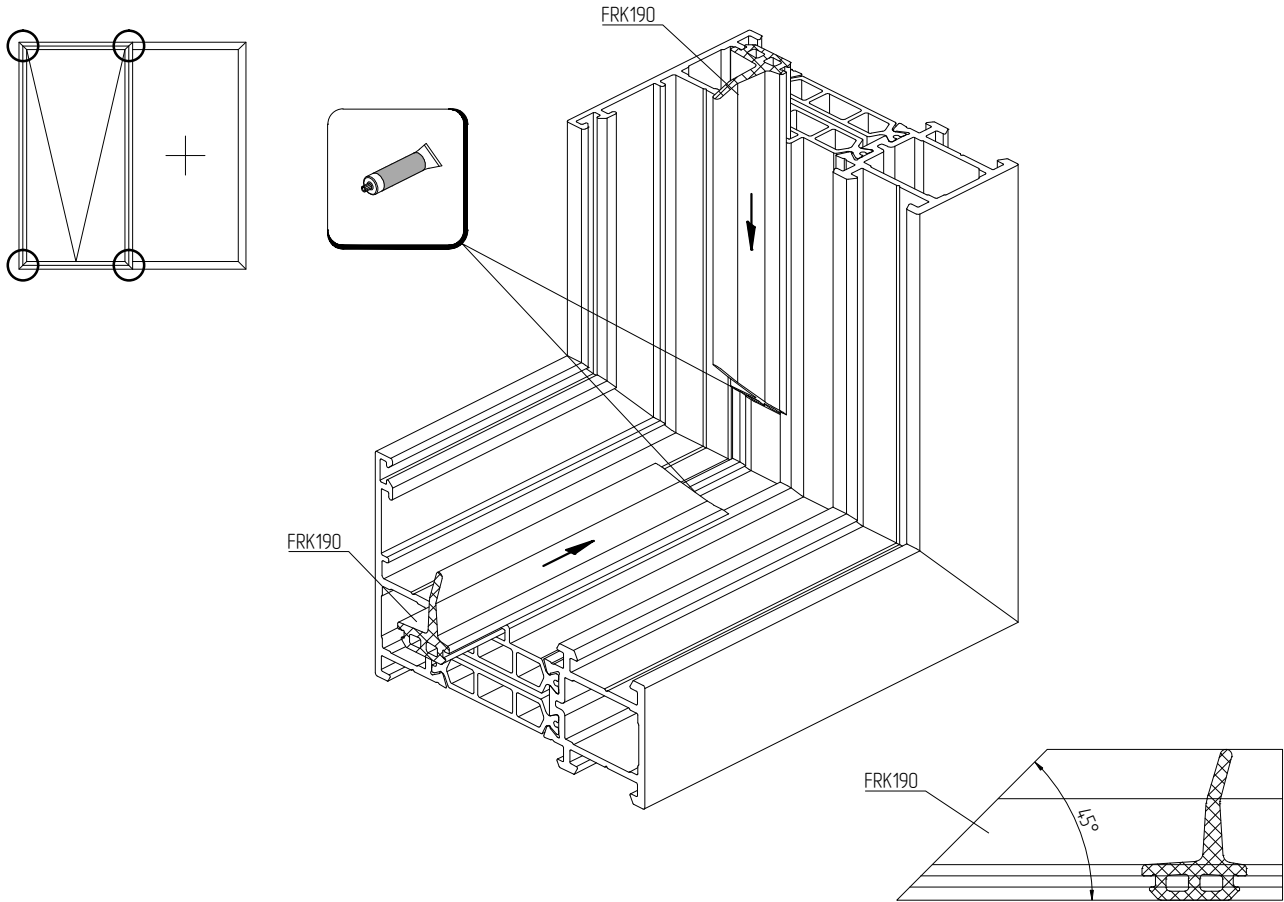
Cut the gasket with 1% of extra length.  
Gasket junction should be glued with the adhesive for rubber gasket gluing.

### Gasket cutting and installation



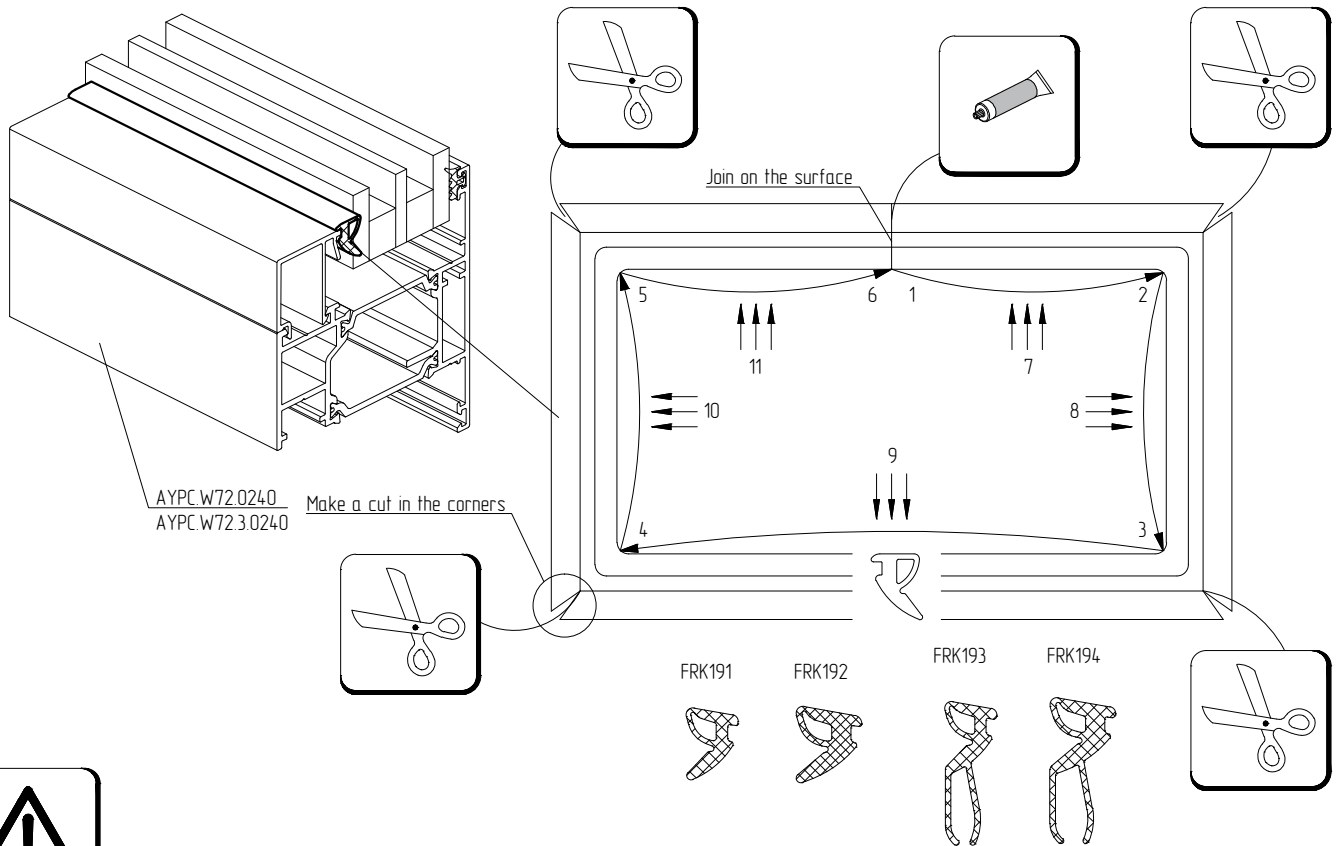
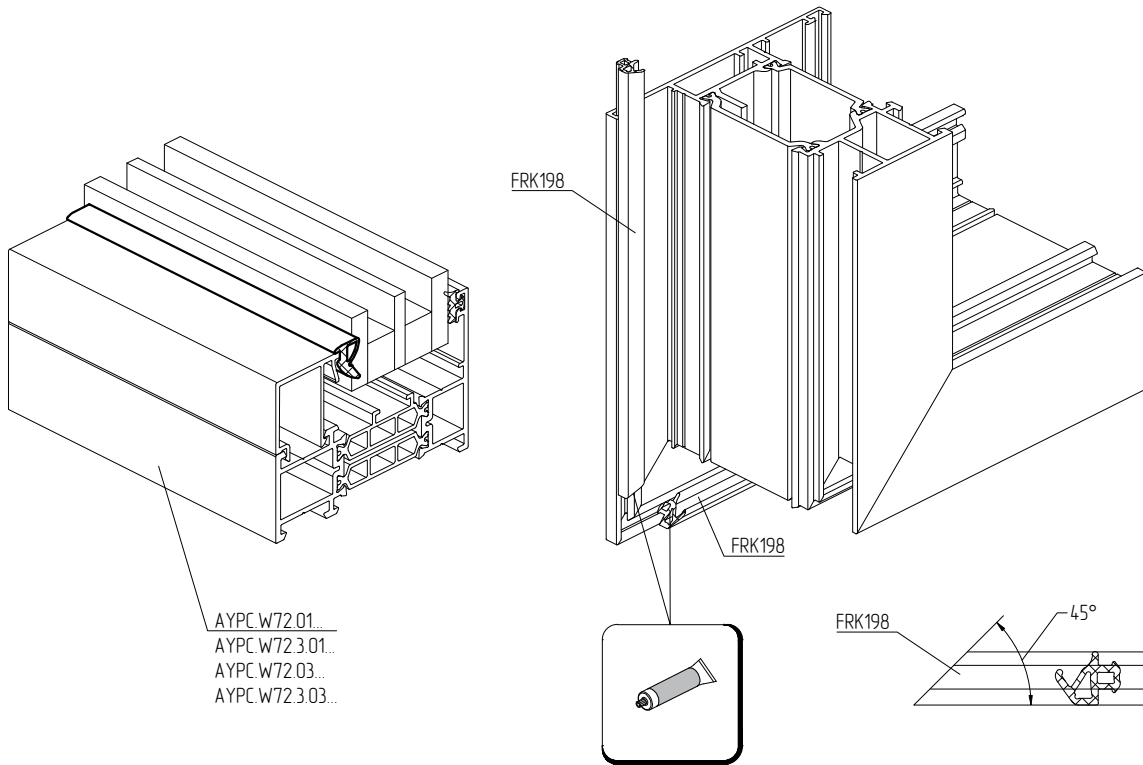
Should be sealed. Sealant data is provided on the request.

Gasket cutting and installation



Cut the gasket with 1% of extra length.  
Gasket junction should be glued with the adhesive for rubber gasket gluing.

Gasket cutting and installation



Cut the gasket with 1% of extra length.  
 Gasket junction should be glued with the adhesive for rubber gasket gluing.





**ALUTECH ALTW72 CW**  
Window system with  
thermal break

# CALCULATION EXAMPLES

01

02

03

04

05

06

07

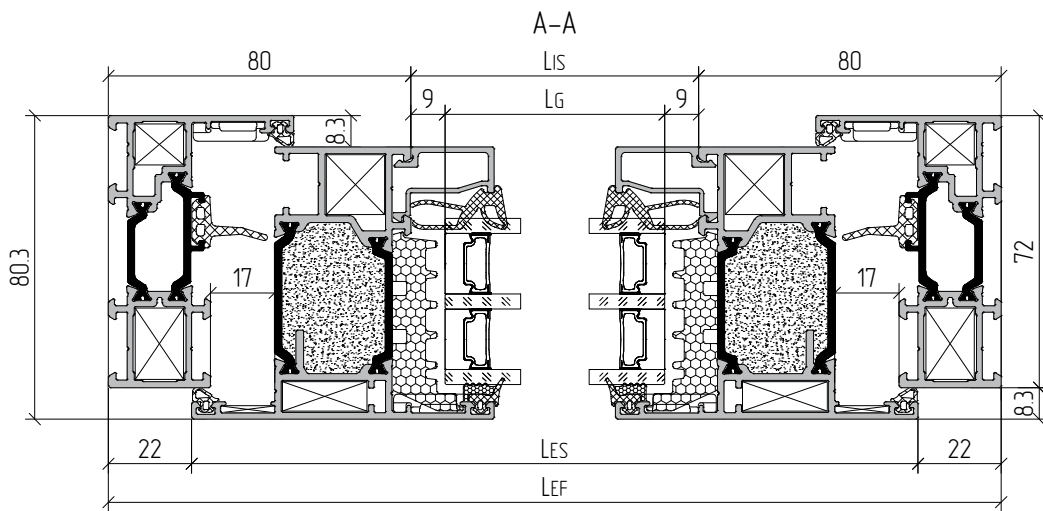
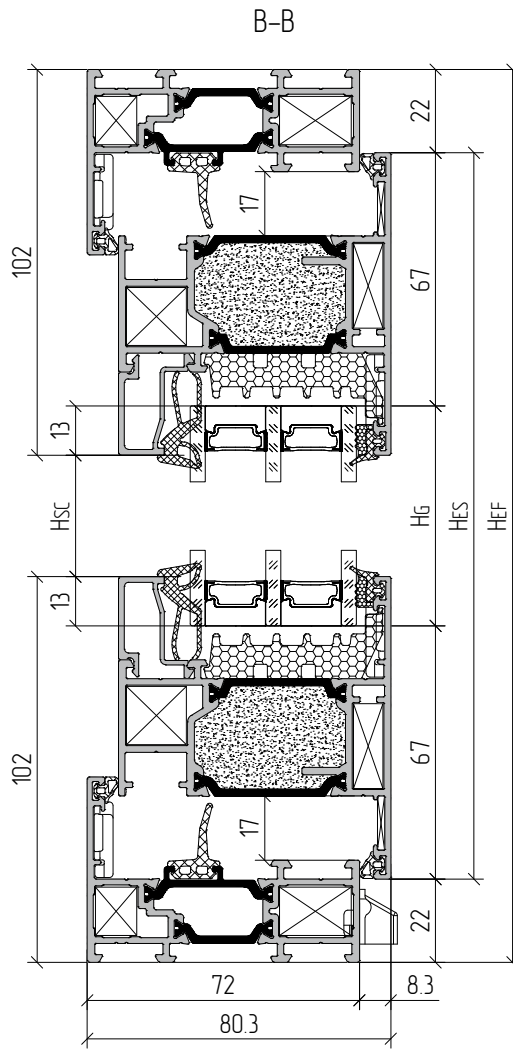
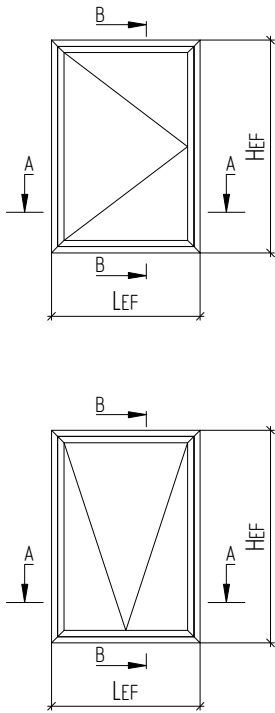
08

09

10



Example of top hung and casement window calculation

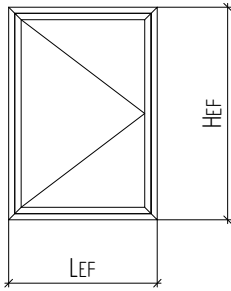


Glass bead profiles and rubber gaskets are chosen in accordance with infill unit thickness (see Section 04 – Glazing table).

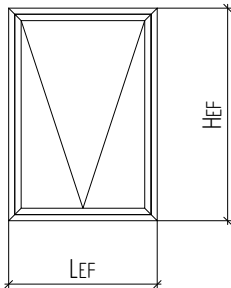


Example of top hung and casement window calculation

Variant 1



Variant 2



Article	Name	Drawing			1...
Profile					
AYPC.W72.3.0165E	Frame profile		45-45	LEF	2
			45-45	HEF	2
AYPC.W72.3.0240E	Sash profile		45-45	LES=LEF-44	2
			45-45	HES=HEF-44	2
AYPC.C48.0603	Glass bead profile		90-90	LIS=LEF-160	2
			90-90	HSC=HEF-204	2

Article	Name	Drawing	1...	Note
Accessories				
AYPC.W62.0917	Bearing support		4	Variant 1
			6	Variant 2
100x50x1(3)	Leveling support		4 (4)	Variant 1
			6 (6)	Variant 2
AYPC.C48.0919M-01K	Drain plug		2	
AYPC.W62.0952-01	Clamping corner		4	
AYPC.W62.0952-02	Clamping corner		4	
AYPC.W62.0912	Plastic corner		8	
Pin 5x10	Pin 5x10 DIN6325D		32	
AYPC.W62.0957	Leveling corner		4	
AYPC.W62.0969	Clamping corner		4	
AYPC.W62.0953-05	Clamping corner		4	

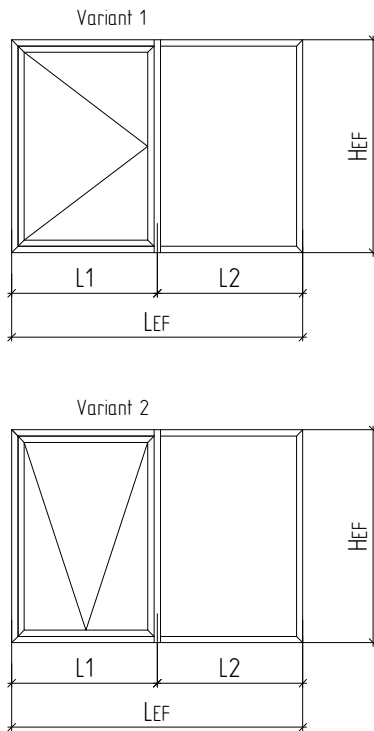
Article	Name	Drawing		1...	Note
Accessories					
FRK198	Rubber gasket		(LES+HES)x4	1	
FRK190	Rubber gasket		(LES+HES)x2	1	
* FRK193	Rubber gasket		(LG+HG)x2	1	
* FRK197	Rubber gasket		(LG+HG)x2	1	
* FRK179	Rubber corner			4	
* AYPC.W72.0911	Seam sealing		(LG+HG)x2-4x100**	1	Variant 1
			(LG+HG)x2-6x100**	1	Variant 2
44 mm infill unit					
			LG=LES-134; HG=HES-134	1	



Glass bead profiles and rubber gaskets are chosen in accordance with infill unit thickness (see Section 04 - Glazing table).



Example of combined window calculation



Article	Name	Drawing			1...
Profile					
AYPC.W72.3.0165E	Frame profile		45-90	L3=L1-13.5	1
			90-45	L3=L1-13.5	1
			90-45	L4=L2-13.5	1
			45-90	L4=L2-13.5	1
			45-45	HEF	2
AYPC.W72.3.0240E	Sash profile		45-45	LES=L1-30.5	2
			45-45	HES=HEF-4.4	2
AYPC.W72.3.0339E	Transom bar profile		90-90	HEF	1
AYPC.C48.0603	Glass bead profile		90-90	LIS=LES-116	2
			90-90	HSG=HES-160	2
			90-90	LIF=L2-40.5	2
			90-90	HFC=HEF-98	2

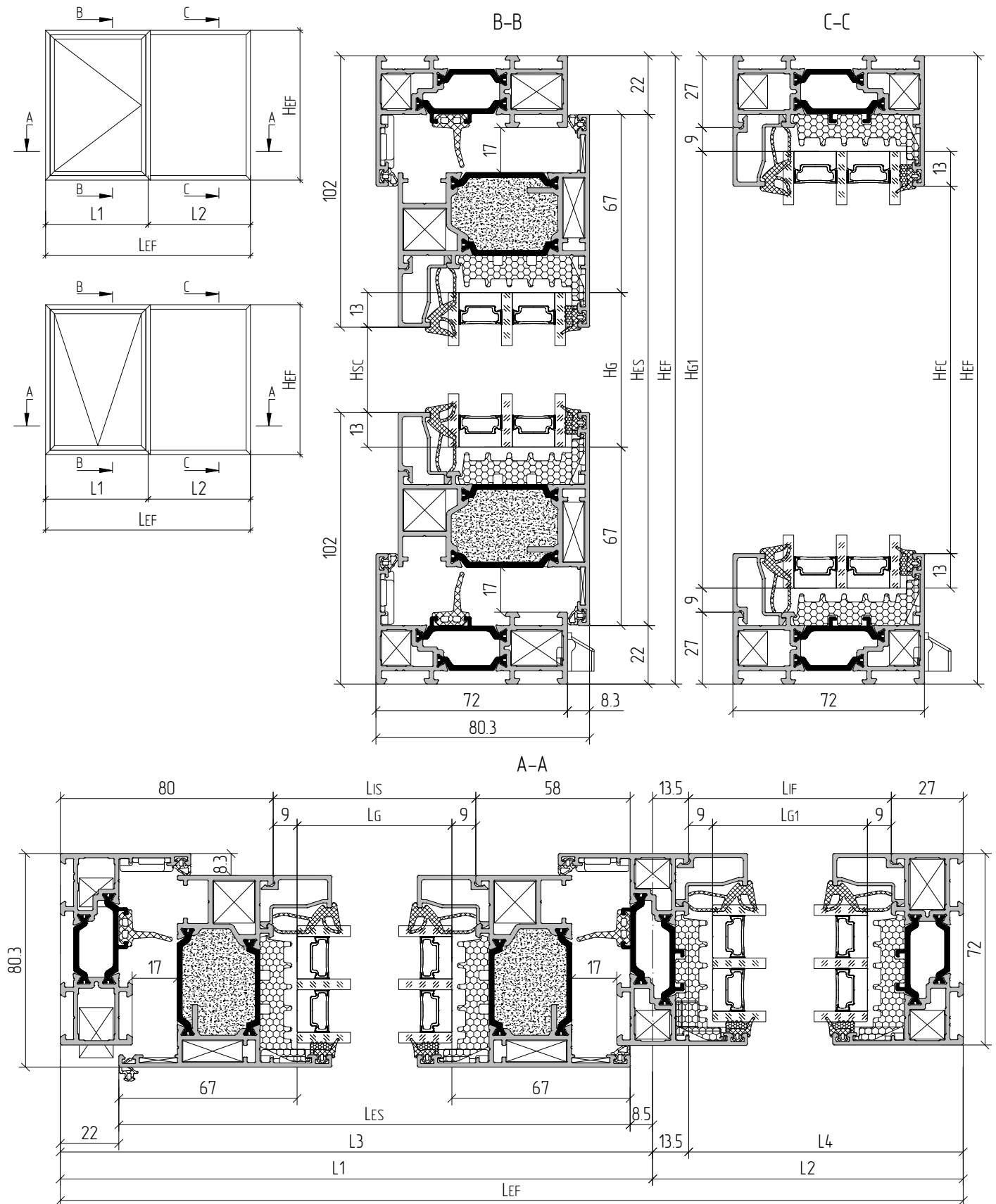
Article	Name	Drawing		1...	Note
FRK198	Rubber gasket		(LES+HES)x4	1	
FRK190	Rubber gasket		(LES+HES)x2	1	
* AYPC.W72.0911	Seam sealing		(LG+HG+LG1+HG1)x2-8x100**	1	Variant 1
			(LG+HG+LG1+HG1)x2-10x100**	1	Variant 2
* FRK194	Rubber gasket		(LG+HG+LG1+HG1)x2	1	
* FRK197	Rubber gasket		(LG+HG+LG1+HG1)x2	1	
* FRK179	Rubber corner			8	
44 mm infill unit					
				1	
				1	

Article	Name	Drawing	1...	Note
Accessories				
AYPC.W62.0917	Bearing support		8	Variant 1
			10	Variant 2
100x50x1(3)	Leveling support		8 (8)	Variant 1
			10 (10)	Variant 2
AYPC.C48.0919M-01K	Drain plug		4	
AYPC.W62.0952-01	Clamping corner		4	
AYPC.W62.0952-02	Clamping corner		4	
AYPC.W62.0912	Plastic corner		8	
Pin 5x10	Pin 5x10 DIN6325D		32	
AYPC.W62.0957	Leveling corner		4	
AYPC.W62.0969	Clamping corner		4	
AYPC.W62.0953-05	Clamping corner		4	
AYPC.W62.0973	Transom fixing element		4	
AYPC.W62.0951	Transom fixing element		4	
AYPC.W62.0916	Foamed support		4	
AYPC.W62.0913	Plastic corner		4	



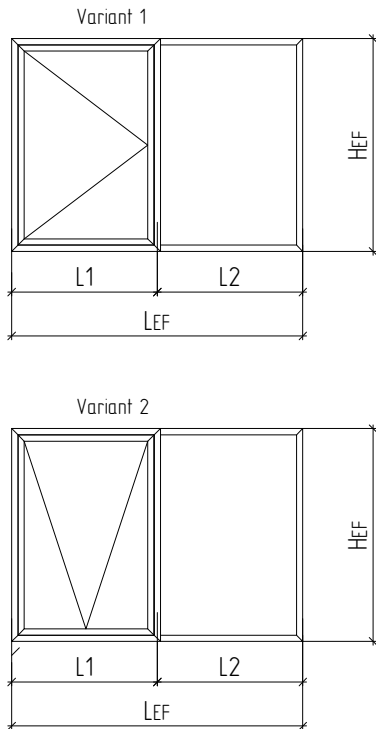
Glass bead profiles and rubber gaskets are chosen in accordance with infill unit thickness (see Section 04 - Glazing table).

Example of combined window calculation



Glass bead profiles and rubber gaskets are chosen in accordance with infill unit thickness (see Section 04 - Glazing table).

Example of combined window calculation



Article	Name	Drawing			1...
Profile					
AYPC.W72.3.0165E	Frame profile		45-45	$L3=L1+13.5$	1
			45-45	$L3=L1+13.5$	1
			90-45	$L4=L2-13.5$	1
			45-90	$L4=L2-13.5$	1
			45-45	HEF	2
AYPC.W72.3.0240E	Sash profile		45-45	$LES=L1-30.5$	2
			45-45	$HES=HEF-4.4$	2
AYPC.W72.3.0339E	Transom bar profile		90-90	$H1=HEF+4.4$	1
AYPC.C48.0603	Glass bead profile		90-90	$LIS=LES-116$	2
			90-90	$HSC=HES-160$	2
			90-90	$LIF=L2-40.5$	2
			90-90	$HFC=HEF-98$	2

Article	Name	Drawing		1...	Note
FRK198	Rubber gasket		$(LES+HES) \times 4$	1	
FRK190	Rubber gasket		$(LES+HES) \times 2$	1	
* AYPC.W72.0911	Seam sealing		$(LG+HG+LG1+HG1) \times 2 - 8 \times 100$	1	Variant 1
			$(LG+HG+LG1+HG1) \times 2 - 10 \times 100$	1	Variant 2
* FRK194	Rubber gasket		$(LG+HG+LG1+HG1) \times 2$	1	
* FRK197	Rubber gasket		$(LG+HG+LG1+HG1) \times 2$	1	
* FRK179	Rubber corner			8	
44 mm infill unit					
				1	$LG=LES-134; HG=HES-134$
				1	$LG1=L2-58.5; HG1=HEF-72$

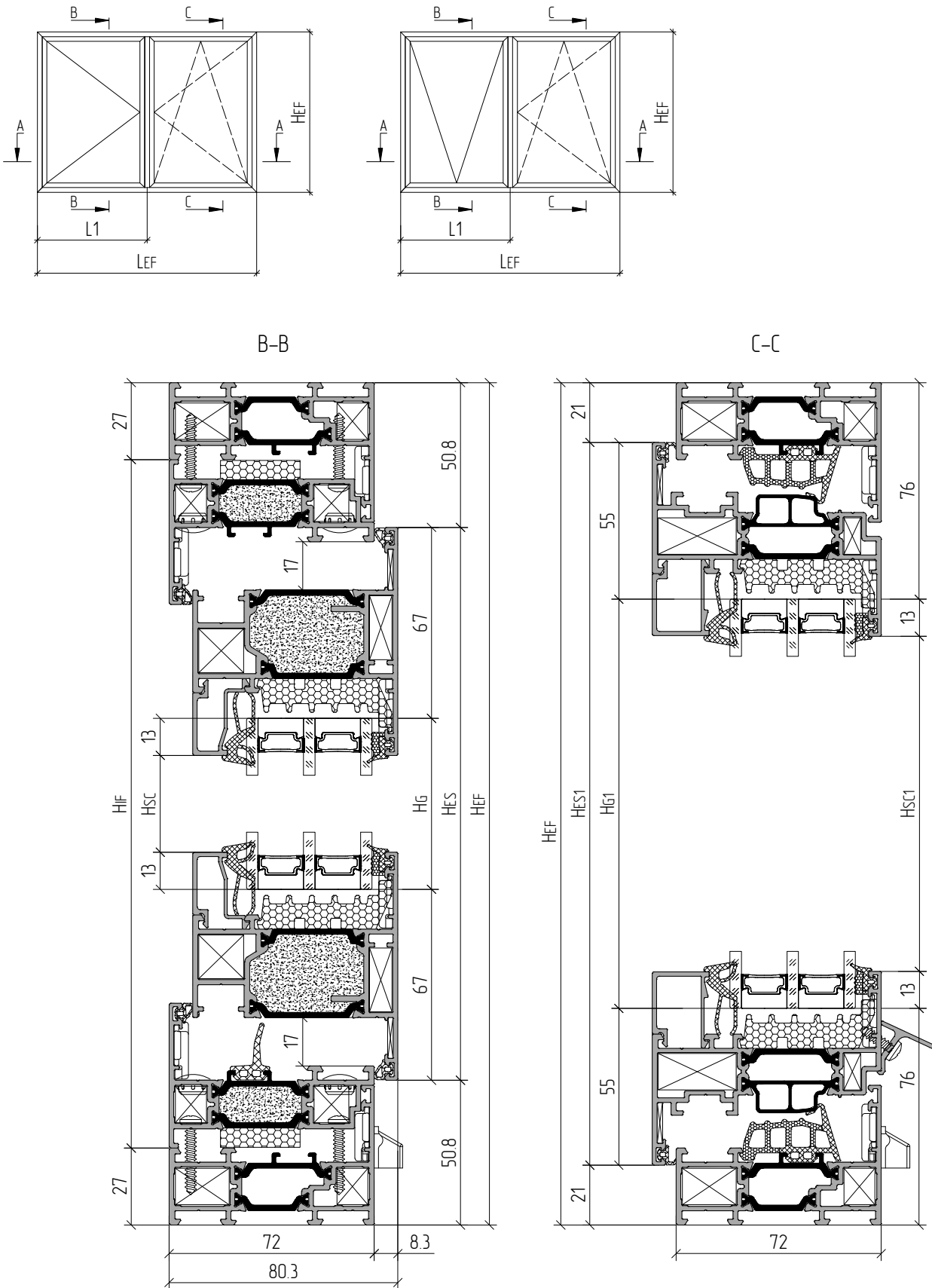
Article	Name	Drawing	1...	Note
Accessories				
AYPC.W62.0917	Bearing support		8	Variant 1
			10	Variant 2
100x50x1(3)	Leveling support		8 (8)	Variant 1
			10 (10)	Variant 2
AYPC.C48.0919M-01K	Drain plug		4	
AYPC.W62.0952-01	Clamping corner		10	
AYPC.W62.0952-02	Clamping corner		2	
AYPC.W62.0912	Plastic corner		10	
	Pin 5x10	Pin 5x10 DIN6325D	40	
AYPC.W62.0957	Leveling corner		4	
AYPC.W62.0969	Clamping corner		4	
AYPC.W62.0953-05	Clamping corner		4	
AYPC.W62.0973	Transom fixing element		2	
AYPC.W62.0951	Transom fixing element		2	
AYPC.W62.0916	Foamed support		2	
AYPC.W62.0913	Plastic corner		2	



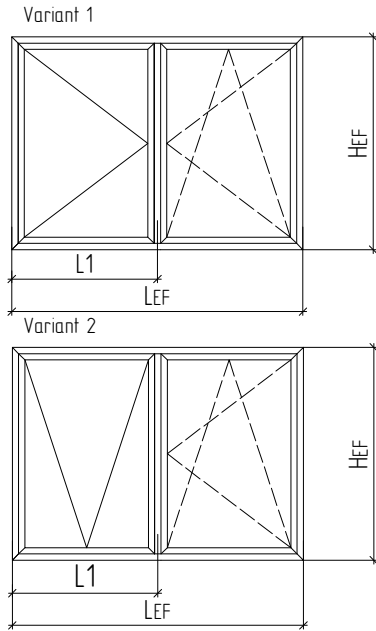
Glass bead profiles and rubber gaskets are chosen in accordance with infill unit thickness (see Section 04 - Glazing table).



Example of combined window calculation



Glass bead profiles and rubber gaskets are chosen in accordance with infill unit thickness (see Section 04 - Glazing table).



Article	Name	Drawing	1...	Note
Accessories				
AYPC.W62.0917	Bearing support		8 10	Variant 1 Variant 2
100x50x1(3)	Leveling support		8 (8) 10 (10)	Variant 1 Variant 2
AYPC.C48.0919M-01K	Drain plug		4	
AYPC.W62.0952	Clamping corner		4	
AYPC.W62.0952-01	Clamping corner		8	
AYPC.W62.0952-02	Clamping corner		4	
AYPC.W62.0952-07	Clamping corner		4	
AYPC.W62.0953	Clamping corner		4	
AYPC.W62.0912	Plastic corner		16	
Pin 5x10	Pin 5x10 DIN6325D		64	
AYPC.W62.0957	Leveling corner		8	
AYPC.W62.0969	Clamping corner		4	
AYPC.W62.0953-05	Clamping corner		4	
AYPC.W62.0973	Transom fixing element		2	
AYPC.W62.0951	Transom fixing element		2	
AYPC.W62.0916	Foamed support		2	
AYPC.W62.0913	Plastic corner		4	
AYPC.W62.0999	Drain profile plugs kit		1	
3,9x13-A2IS014585	Screw		L7/250	
3,9x25-A2IS014585	Screw		(L2+H2)x4/450	
AYPC.SL160.0928	Decorative plug Ø10			
PE21x8	Insert of heat-insulating		(L2+H2)x2	

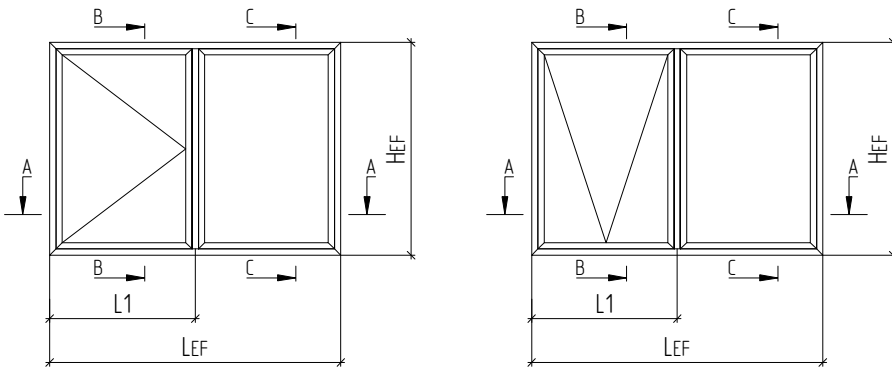
Article	Name	Drawing		1...	Note	
Profile						
AYPC.W72.3.0165E	Frame profile		45-45	LEF	2	
			45-45	HEF	2	
AYPC.W72.3.0301E	Transom bar profile		90-90	H1=HEF-54	1	
AYPC.W72.3.0820E	Adapter profile		45-45	LIF=L1-40.5	2	
			45-45	HIF=H1	2	
AYPC.W72.3.0240E	Sash profile		45-45	LES=L1-88.1	2	
			45-45	HES=HEF-1016	2	
AYPC.W72.3.0221E	Sash profile		45-45	LES1=LEF-L1-28.5	2	
			45-45	HES1=HEF-42	2	
AYPC.C48.0611	Drain profile		90-90	L2=LEF-L1-94.5-3	1	
AYPC.C48.0612 (AYPC.W62.0607)	Rod profile		90-90	-	1	
AYPC.C48.0605	Glass bead profile		90-90	LIS=LES1-92	2	
			90-90	HSC1=HES1-136	2	
AYPC.C48.0603	Glass bead profile		90-90	LIS=LES-116	2	
			90-90	HSC=HES-160	2	
Article	Name	Drawing		1...	Note	
FRK198	Rubber gasket		(LES+HES)x4	1		
FRK190	Rubber gasket		(LES+HES)x2	1		
FRK98	Rubber gasket		(LES1+HES1)x2	1		
FRK195	Rubber gasket		(LES1+HES1)x2	1		
FRK196	Rubber corner			4		
* AYPC.W72.0911	Seam sealing		(LG+HG+LG1+HG1)x2-10x100** (LG+HG+LG1+HG1)x2-12x100**	1 1	Variant 1 Variant 2	
* FRK194	Rubber gasket		(LG+HG+LG1+HG1)x2	1		
* FRK197	Rubber gasket		(LG+HG+LG1+HG1)x2	1		
* FRK179	Rubber corner			8		
44 mm infill unit						
				LG=LES-134; HG=HES-134	1	
				LG1=LES1-110; HG1=HES1-110	1	



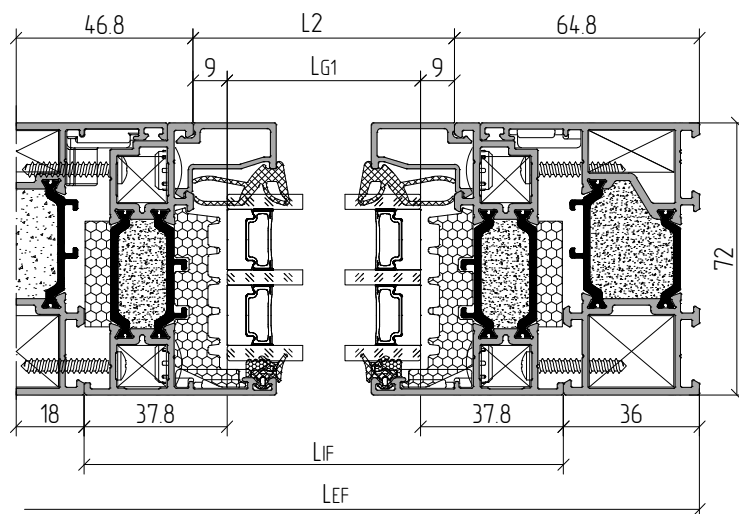
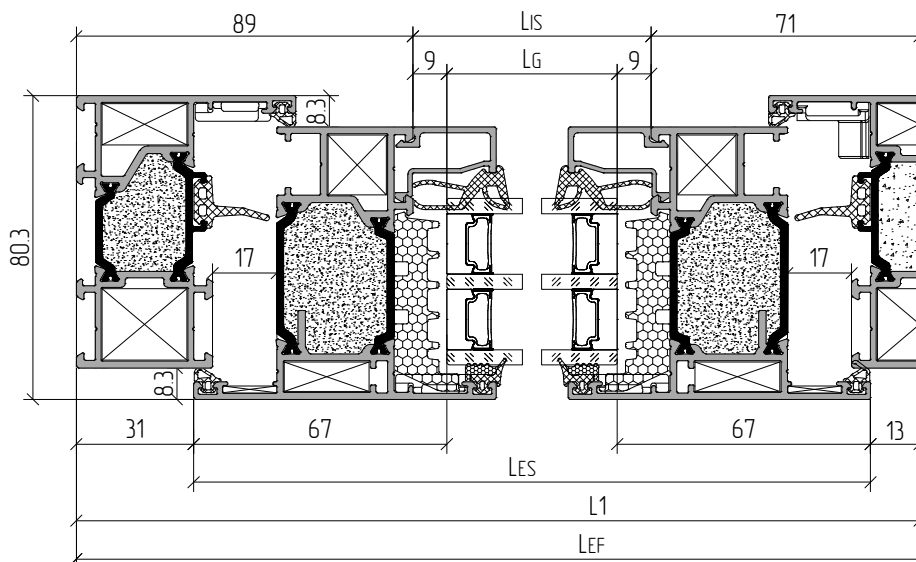
Glass bead profiles and rubber gaskets are chosen in accordance with infill unit thickness (see Section 04 - Glazing table).



Example of combined window calculation

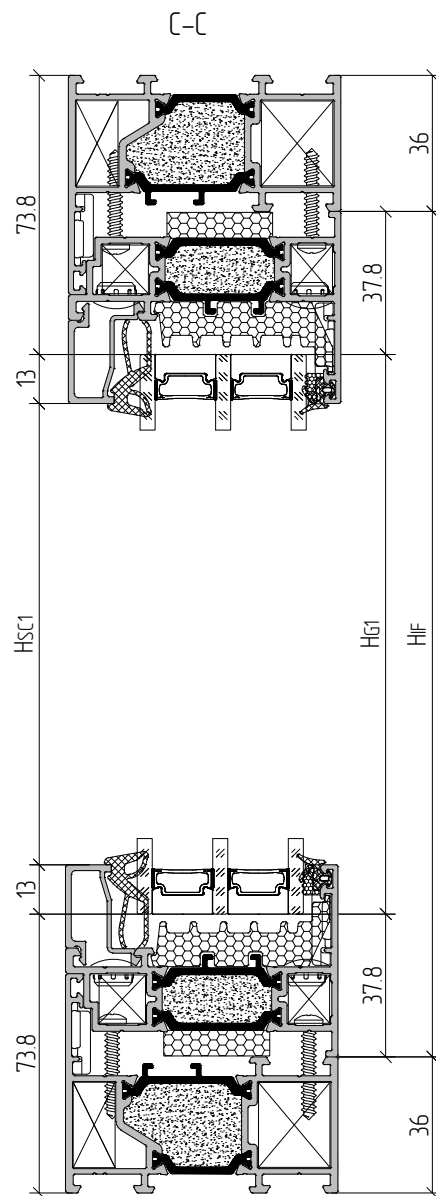
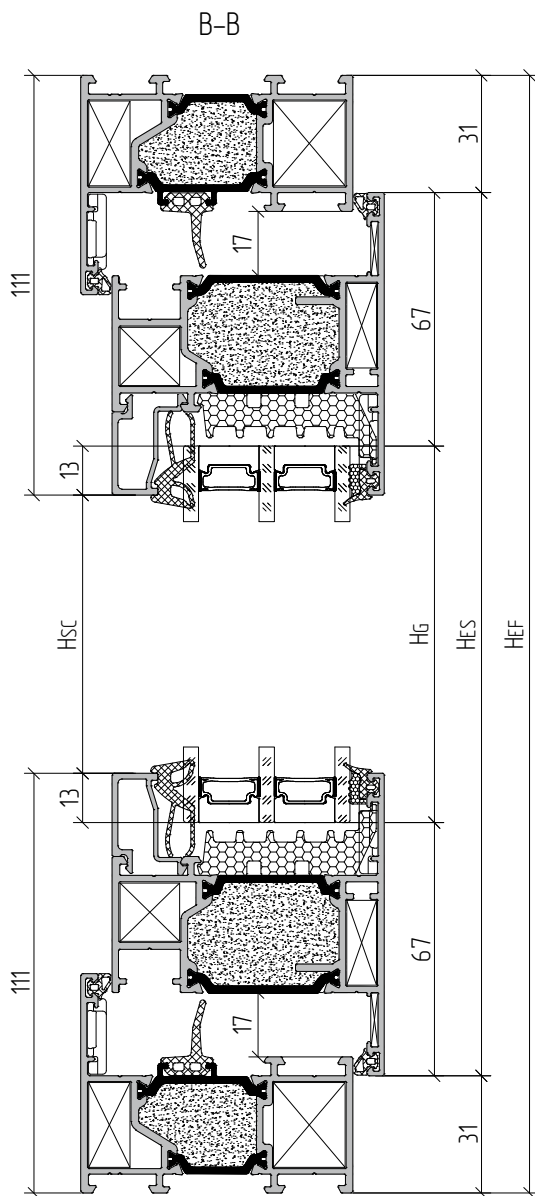
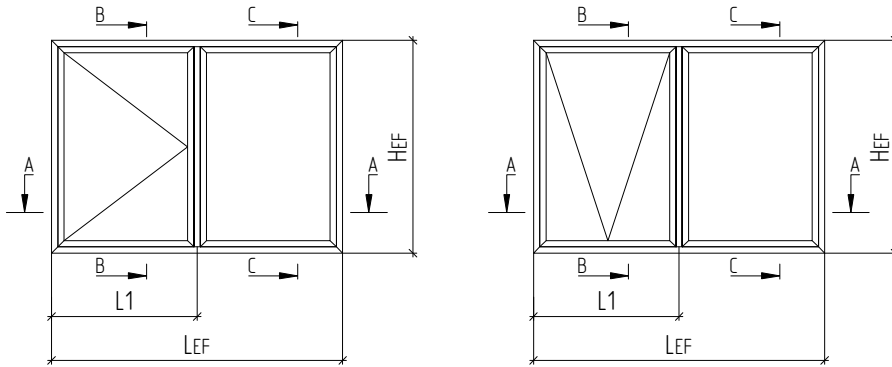


A-A



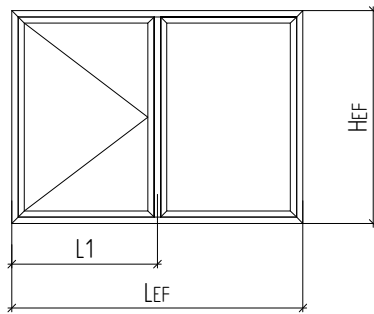
Glass bead profiles and rubber gaskets are chosen in accordance with infill unit thickness (see Section 04 - Glazing table).

Example of combined window calculation

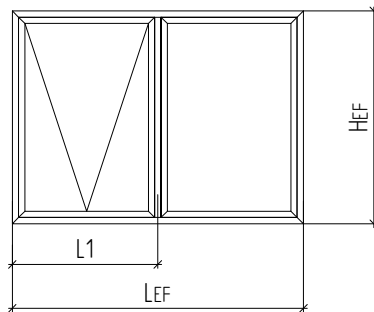


Glass bead profiles and rubber gaskets are chosen in accordance with infill unit thickness (see Section 04 – Glazing table).

Variant 1



Variant 2



Article	Name	Drawing	1...	Note
Accessories				
AYPC.W62.0917	Bearing support		8	Variant 1
			10	Variant 2
100x50x1(3)	Leveling support		8 (8)	Variant 1
			10 (10)	Variant 2
AYPC.C48.0919M-01K	Drain plug		4	
AYPC.W62.0952-01	Clamping corner		4	
AYPC.W62.0952-07	Clamping corner		4	
AYPC.W62.0953-02	Clamping corner		4	
AYPC.W62.0953-01	Clamping corner		4	
AYPC.W62.0912	Plastic corner		12	
Pin 5x10	Pin 5x10 DIN6325D		48	
AYPC.W62.0957	Leveling corner		4	
AYPC.W62.0969	Clamping corner		4	
AYPC.W62.0953-05	Clamping corner		4	
AYPC.W62.0973-01	Transom fixing element		2	
AYPC.W62.0951-01	Transom fixing element		2	
AYPC.W62.0916-01	Foamed support		2	
AYPC.W62.0913	Plastic corner		4	
3,9x25-A2ISO14585	Screw		(L2+H2)x4/450	
AYPC.SL160.0928	Decorative plug Ø10			
PE21x8	Insert of heat-insulating		(L2+H2)x2	

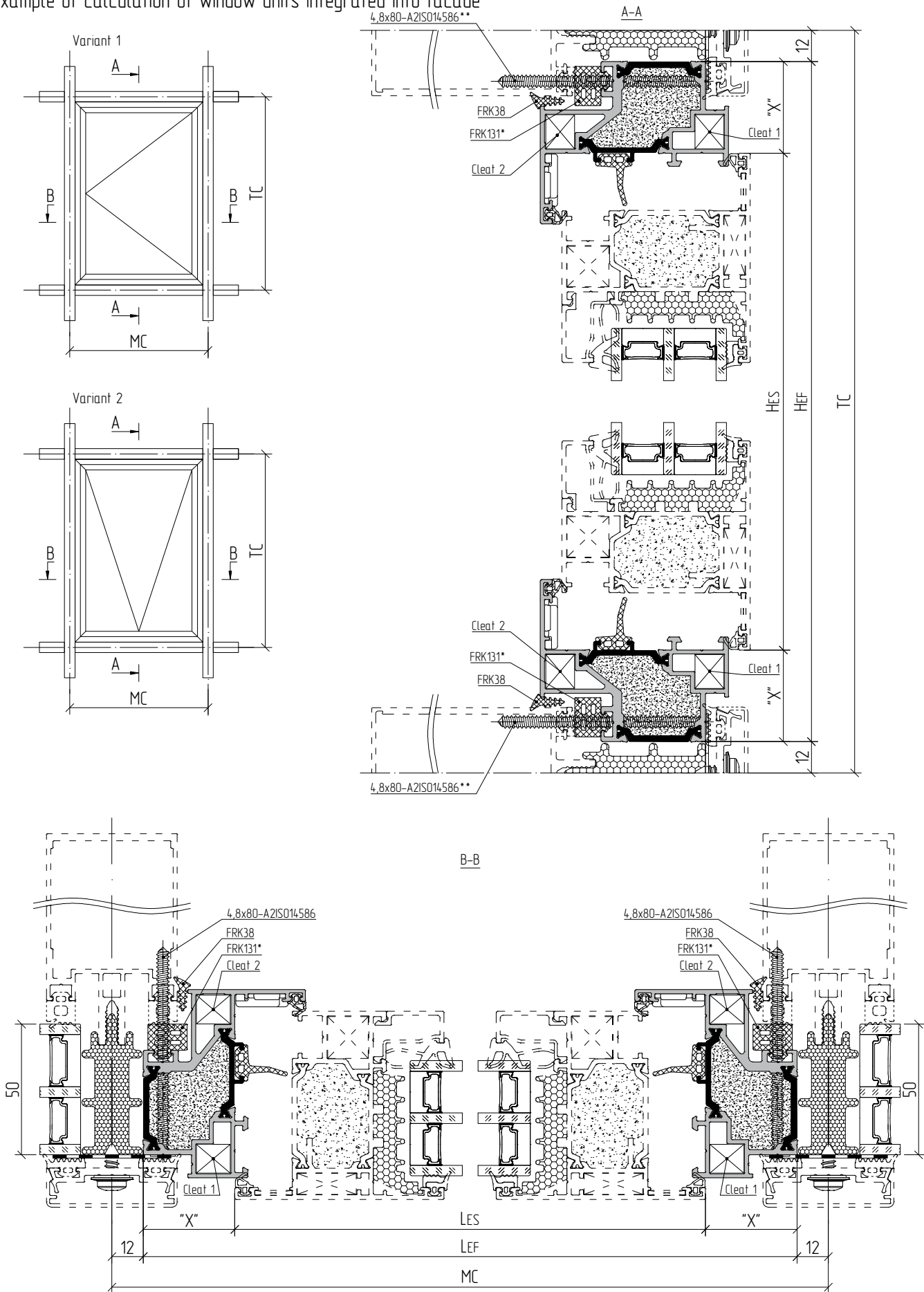
Article	Name	Drawing		1...	
Profile					
AYPC.W72.3.0166E	Frame profile		45-45	LEF	2
			45-45	HEF	2
AYPC.W72.3.0302E	Transom bar profile		90-90	H1=HEF-72	1
AYPC.W72.3.0820E	Adapter profile		45-45	LIF=LEF-L1-54	2
			45-45	HIF=H1	2
AYPC.W72.3.0240E	Sash profile		45-45	LES=L1-44	2
			45-45	HES=HEF-62	2
AYPC.C48.0603	Glass bead profile		90-90	LIS=L1-160	2
			90-90	HSC=HES-160	2
			90-90	L2=LIF-57.6	2
			90-90	HSC1=HIF-101.6	2

Article	Name	Drawing		1...	Note
FRK198	Rubber gasket		(LES+HES)x4	1	
FRK190	Rubber gasket		(LES+HES)x2	1	
* AYPC.W72.0911	Seam sealing		(LG+HG+LG1+HG1)x2-8x100**	1	Variant 1
			(LG+HG+LG1+HG1)x2-10x100**	1	Variant 2
* FRK194	Rubber gasket		(LG+HG+LG1+HG1)x2	1	
* FRK197	Rubber gasket		(LG+HG+LG1+HG1)x2	1	
* FRK179	Rubber corner			8	
44 mm infill unit					
					1
					1

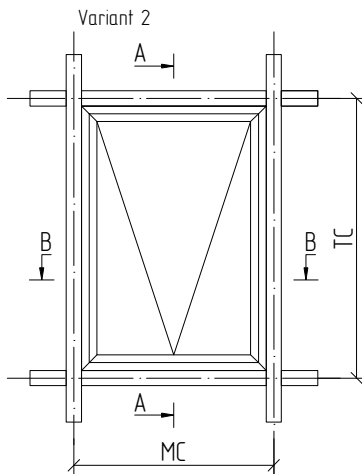
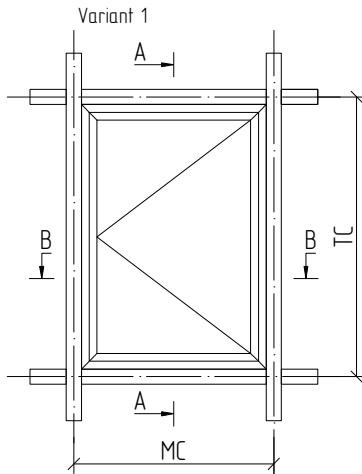


Glass bead profiles and rubber gaskets are chosen in accordance with infill unit thickness (see Section 04 - Glazing table).

Example of calculation of window units integrated into facade



Example of calculation of window units integrated into facade



Frame profile	Gasket			Self-tapping screws			∅8 mm plug
	FRK38	FRK131 *	FRK159	4,8x80-A2 ISO14586**	4,8x80-A2 ISO14586**	3,9x19-A2 ISO14585	AYPC.F50.0932
AYPC.W72.3.0161, AYPC.W72.3.0162, AYPC.W72.3.0164, AYPC.W72.3.0165	(LEF+HEF)x2	LEFx2+HEFx2	-	LEFx2/450	HEFx2/450	-	-
AYPC.W72.0339, AYPC.W72.3.0339, AYPC.W72.0340, AYPC.W72.3.0340, AYPC.W72.3.0341	-	(MC+TC)x2	-	-	-	$\frac{((LEF+HEF)/450) \times 2}{2}$	$\frac{((LEF+HEF)/450) \times 2}{2}$

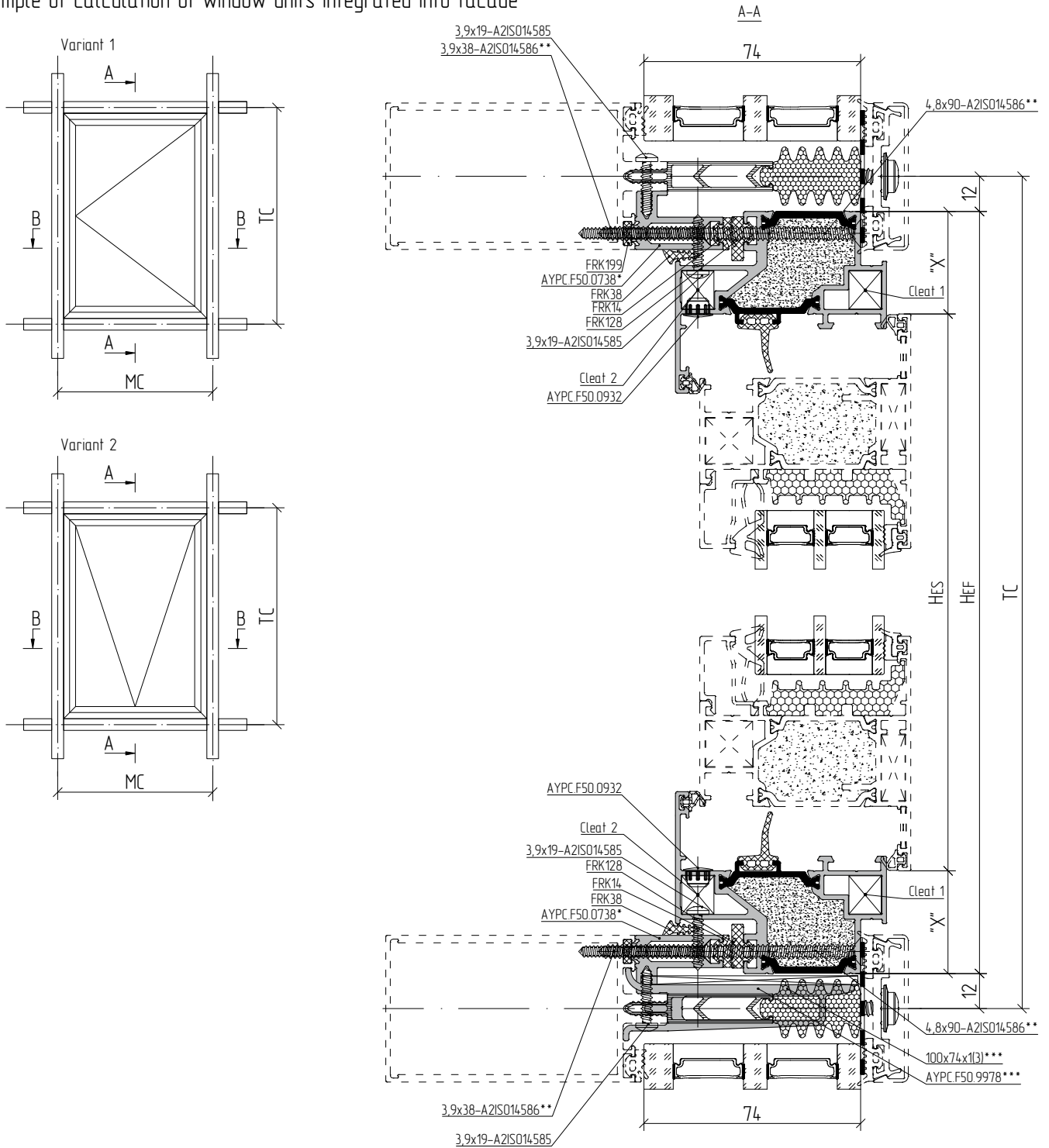
Frame profile		Sash profile	Corner cleat	
Article	Size / Qty	Size / Qty	Cleat 1 / Qty	Cleat 2 / Qty
AYPC.W72.3.0161	LEF=MC-24 / 2 pcs	LES=LEF-70 / 2 pcs	AYPC.W62.0952-01 4 pcs	AYPC.W62.0952-01 4 pcs
	HEF=TC-24 / 2 pcs	HES=HEF-70 / 2 pcs		
AYPC.W72.3.0163	LEF=MC-24 / 2 pcs	LES=LEF-70 / 2 pcs	AYPC.W62.0952-01 4 pcs	AYPC.W62.0952-01 4 pcs
	HEF=TC-24 / 2 pcs	HES=HEF-70 / 2 pcs		
AYPC.W72.3.0162	LEF=MC-24 / 2 pcs	LES=LEF-90 / 2 pcs	AYPC.W62.0953-01 4 pcs	AYPC.W62.0953-01 4 pcs
	HEF=TC-24 / 2 pcs	HES=HEF-90 / 2 pcs		
AYPC.W72.3.0164	LEF=MC-24 / 2 pcs	LES=LEF-90 / 2 pcs	AYPC.W62.0953-01 4 pcs	AYPC.W62.0953-01 4 pcs
	HEF=TC-24 / 2 pcs	HES=HEF-90 / 2 pcs		
AYPC.W72.0339, AYPC.W72.3.0339	LEF=MC-14 / 2 pcs	LES=LEF-88 / 2 pcs	AYPC.W62.0952-01 4 pcs	AYPC.W62.0952-01 4 pcs
	HEF=TC-14 / 2 pcs	HES=HEF-88 / 2 pcs		
AYPC.W72.0340, AYPC.W72.3.0340	LEF=MC-14 / 2 pcs	LES=LEF-106 / 2 pcs	AYPC.W62.0953-01 4 pcs	AYPC.W62.0953-01 4 pcs
	HEF=TC-14 / 2 pcs	HES=HEF-106 / 2 pcs		
AYPC.W72.3.0341	LEF=MC-14 / 2 pcs	LES=LEF-134 / 2 pcs	AYPC.W62.0954-02 4 pcs	AYPC.W62.0954-02 4 pcs
	HEF=TC-14 / 2 pcs	HES=HEF-134 / 2 pcs		



Note:

- \* Gasket type is determined by the glass unit thickness (see section 04 - Table of Glazing).
  - \*\* Self-tapping screw type depends on the glass unit thickness (see section 04 - Table of glazing).
- Information on selection and calculation of profiles and accessories for the sash and glass unit junction is given earlier in this section.

Example of calculation of window units integrated into facade



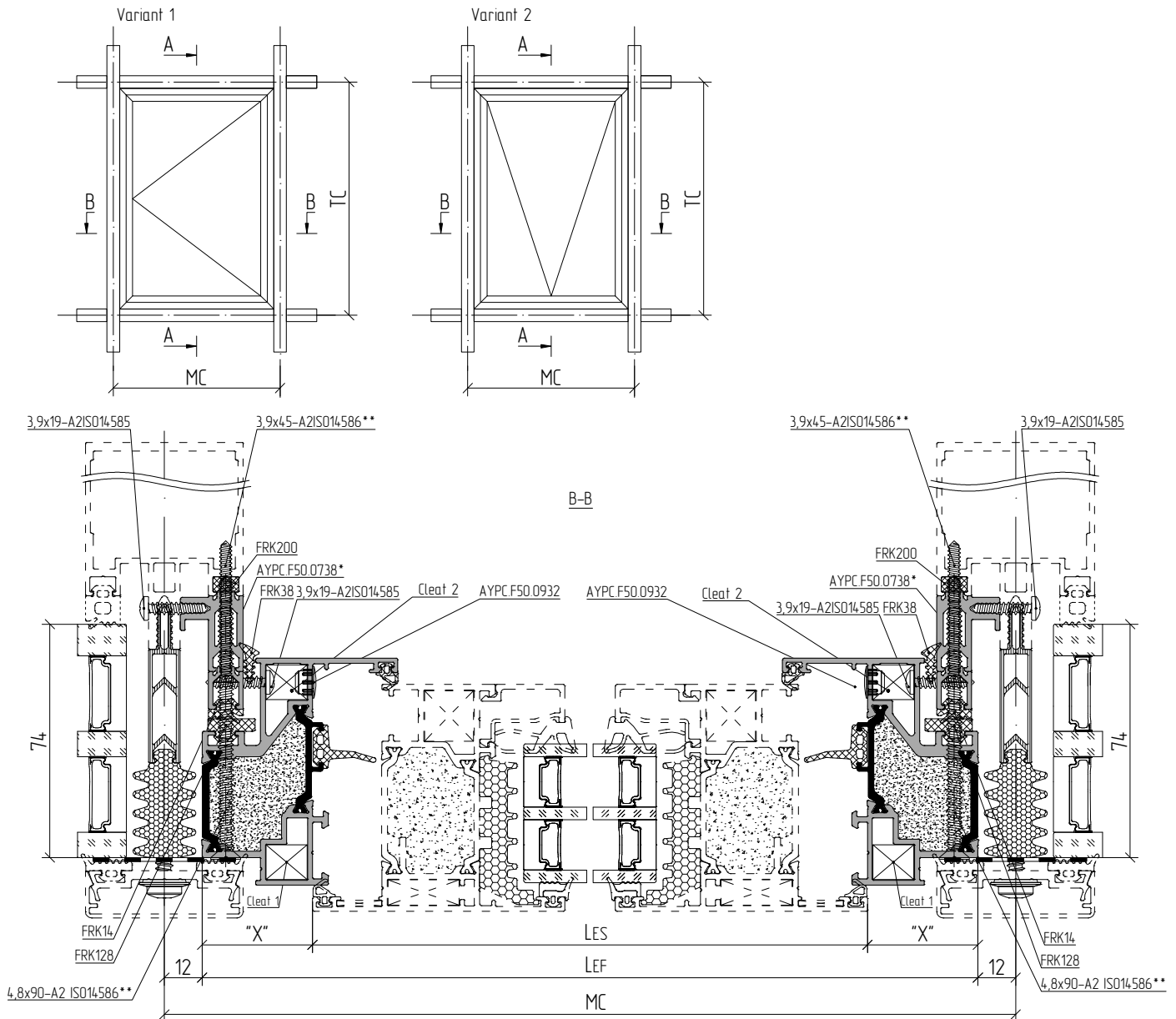
Frame profile	Gasket			Self-tapping screws				Ø8 mm plug	Bearing support, pcs	Leveling support, pcs
	FRK38	FRK128	FRK14	4,8x90-A2 ISO14586 **	3,9x19-A2 ISO14585	3,9x38-A2 ISO14586 **	3,9x45-A2 ISO14586**			
AYPC.W72.3.0163, AYPC.W72.3.0164	(LEF+HEF)x2	(LEF+HEF)x2	(LEF+HEF)x2	(LEF+HEF)x2/450	(LEF+HEF)x2/450	(MC-10)x2/450	(TC-50)x2/450	(MC+TC-60)x2/450	2	2





Note:

- \* Select adapter profile according to the infill unit thickness (see section 04 - Glazing table).
  - \*\* Select self-tapping screw according to the infill unit thickness (see section 04 - Glazing table).
  - \*\*\* Select bearing and leveling support according to the unfill unit thickness (see section 04 - Glazing table).
- Information on selection and calculation of profiles and accessories for the sash and glass unit junction is given earlier in this section.

Example of calculation of window units integrated into facade



Frame profile		Sash profile	Clamping corner	
Article	Size / Qty	Size / Qty	Cleat 1 / Qty	Cleat 2 / Qty
 AYPC.W72.3.0163	LEF=MC-24 / 2 pcs	LES=LEF-70 / 2 pcs	AYPC.W62.0952-01 4 pcs	AYPC.W62.0952-01 4 pcs
	HEF=TC-24 / 2 pcs	HES=HEF-70 / 2 pcs		
 AYPC.W72.3.0164	LEF=MC-24 / 2 pcs	LES=LEF-90 / 2 pcs	AYPC.W62.0953-01 4 pcs	AYPC.W62.0953-01 4 pcs
	HEF=TC-24 / 2 pcs	HES=HEF-90 / 2 pcs		



Note:  
 \* Select adapter profile according to the infill unit thickness (see section 04 - Glazing table).  
 \*\* Select self-tapping screw according to the infill unit thickness (see section 04 - Glazing table).  
 Information on selection and calculation of profiles and accessories for the sash and glass unit junction is given earlier in this section.



**ALUTECH ALTW72 CW**  
Window system with  
thermal break

# HARDWARE

01

02

03

04

05

06

07

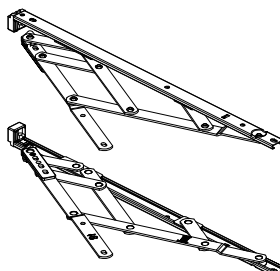
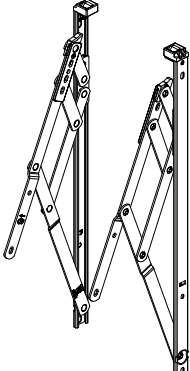
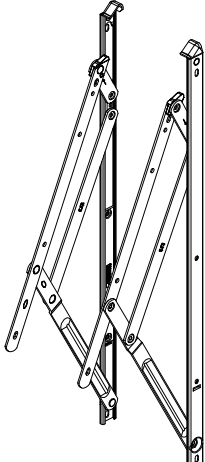
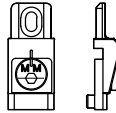
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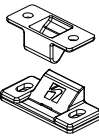
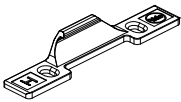





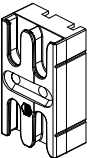
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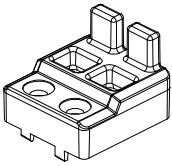
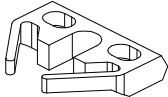
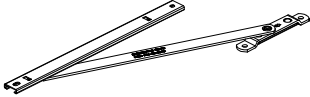

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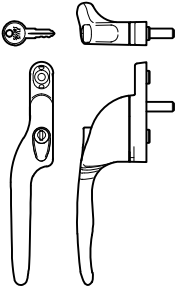
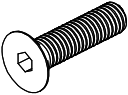




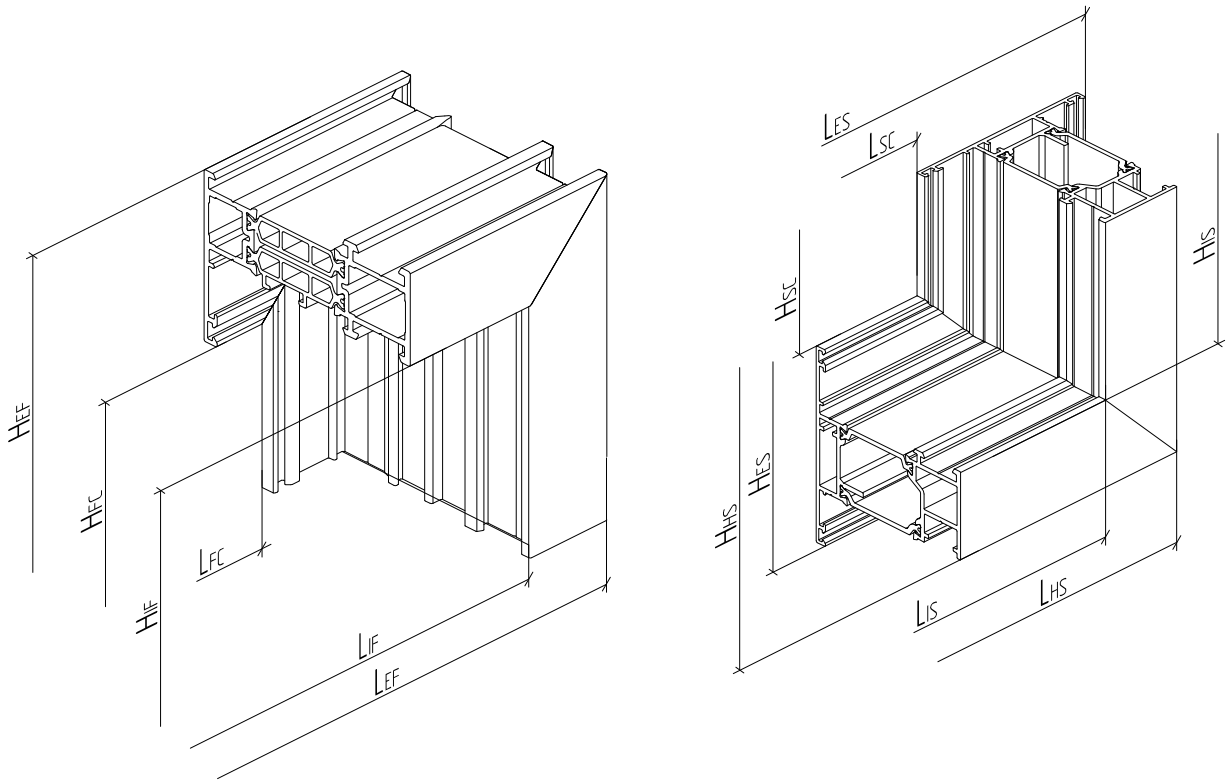
Drawing	Name	Article	Code	Fixing
Securistyle friction stays. Side hung				
	Friction stays "Defender"	EDS12H6	13261500	Frame - 4,8x16-A2ISO14585 - 6 pcs./ Stublina 4060.05.02 - 6 pcs. Sash - 4,8x25-A2ISO14585 - 6 pcs.
		EDS16H6	13261600	Frame - 4,8x16-A2ISO14585 - 8 pcs./ Stublina 4060.05.02 - 8 pcs. Sash - 4,8x25-A2ISO14585 - 6 pcs.
		EDSH16H6A	13261700	Frame - 4,8x16-A2ISO14585 - 6 pcs./ Stublina 4060.05.02 - 6 pcs. Sash - 4,8x25-A2ISO14585 - 10 pcs.
	Friction stays "Sterling"	SPS10	13268300	Frame - 4,8x16-A2ISO14585 - 6 pcs./ Stublina 4060.05.02 - 6 pcs. Sash - 4,8x25-A2ISO14585 - 6 pcs.
SPSH16		13262900		
Securistyle friction stays. Top hung				
	Friction stays "Defender"	EDT12H6	13261800	Frame - 4,8x16-A2ISO14585 - 6 pcs./ Stublina 4060.05.02 - 6 pcs. Sash - 4,8x25-A2ISO14585 - 6 pcs.
		EDT16H6	13261900	
		EDT20H6	13262000	
		EDT24H6	13262100	
	EDTH24H6	13262200	Frame - 4,8x16-A2ISO14585 - 8 pcs./ Stublina 4060.05.02 - 8 pcs. Sash - 4,8x25-A2ISO14585 - 6 pcs.	
	Friction stays "Sterling"	SPT10	13263000	Frame - 4,8x16-A2ISO14585 - 6 pcs./ Stublina 4060.05.02 - 6 pcs. Sash - 4,8x25-A2ISO14585 - 6 pcs.
		SPT12	13263100	
		SPT16	13263200	Frame - 4,8x16-A2ISO14585 - 8 pcs. / Stublina 4060.05.02 - 8 pcs. Sash - 4,8x25-A2ISO14585 - 6 pcs.
		SPT16W	13264900	
		SPT22	13263300	Frame - 4,8x16-A2ISO14585 - 8 pcs. / Stublina 4060.05.02 - 8 pcs. Sash - 4,8x25-A2ISO14585 - 8 pcs.
		SPT22W	13263400	Frame - 4,8x16-A2ISO14585 - 6 pcs. / Stublina 4060.05.02 - 6 pcs. Sash - 4,8x25-A2ISO14585 - 8 pcs.
		SPT26	13264800	Frame - 4,8x16-A2ISO14585 - 10 pcs. / Stublina 4060.05.02 - 10 pcs. Sash - 4,8x25-A2ISO14585 - 10 pcs. /
	Adjuster (1 pcs.)	S7280	13264700	4,8x16-A2ISO14585 - 1 pcs.

Drawing	Name	Article	Code	Fixing
Other complication				
	Pull-in-block (1 set)	CPB2	13265000	Frame – 4,8x16-A2IS014585 – 2 pcs./ Stublina 4060.05.02 – 2 pcs. Sash – 4,8x16-A2IS014585 – 2 pcs.
	Excluder (1 pcs.)	ASD2	13264400	Frame – 4,8x16-A2IS014586 – 2 pcs./ Stublina 4060.05.02 – 2 pcs. Sash – 4,8x16-A2IS014586 – 2 pcs.
Shootbolt espagnolettes MACO				
MACH II				
	Lock	11048	13260000	4,2x25-A2IS014586 – 2 pcs.
	Shootbolt extension	58161	13260100	4,2x25-A2IS014586 – 4 pcs.
		58168	13260200	4,2x25-A2IS014586 – 5 pcs.
		58169	13260300	4,2x25-A2IS014586 – 5 pcs.
		220232	13261000	4,2x25-A2IS014586 – 2 pcs.
		220233	13261100	4,2x25-A2IS014586 – 3 pcs.
	Shootbolt centre locks	220036	13260800	4,2x25-A2IS014586 – 5 pcs.
		220037	13260900	4,2x25-A2IS014586 – 5 pcs.
	Mushroom extensions	101530	13260500	4,2x25-A2IS014586 – 2 pcs.
		102859	13260600	4,2x25-A2IS014586 – 2 pcs.
Keeps				
	Night vent striker	371913	13261200	4,2x25-A2IS014586 – 2 pcs.

Drawing	Name	Article	Code	Fixing
	Shootbolt striker plate	371914	13261300	4,2x25-A2IS014586 - 2 pcs.
Stublina				
	Support (1 pcs.)	4060.05.02	13211400	-
Securistyle restrictor stays				
	Detachable restrictor stay	SDR4	13262500	Frame - 4,8x16-A2IS014585 - 2 pcs./ Stublina 4060.05.02 - 2 pcs. Sash - 4,8x16-A2IS014585 - 2 pcs.
		SDR6	13262600	
		SDR8	13262700	
		SDR10	13262400	
	Key (1 pcs. per two detachable restrictor stays)	R7437	13262300	-

Drawing	Name	Article	Code	Colour	Notation
	Handle "Virage espagnolette offset"	EBC15L	13264521	RAL9016	-
			13264532	RAL9005	-
			1132645463	BRSS	-
			13264501	CHR	-
		1132645157	SCHR	-	
		EBC15R	13264621	RAL9016	-
			13264632	RAL9005	-
			132646463	BRSS	-
			13264601	CHR	-
132646157	SCHR		-		
	Screw	M5x16-A2IS014581	18114000	-	2 pcs. per handle

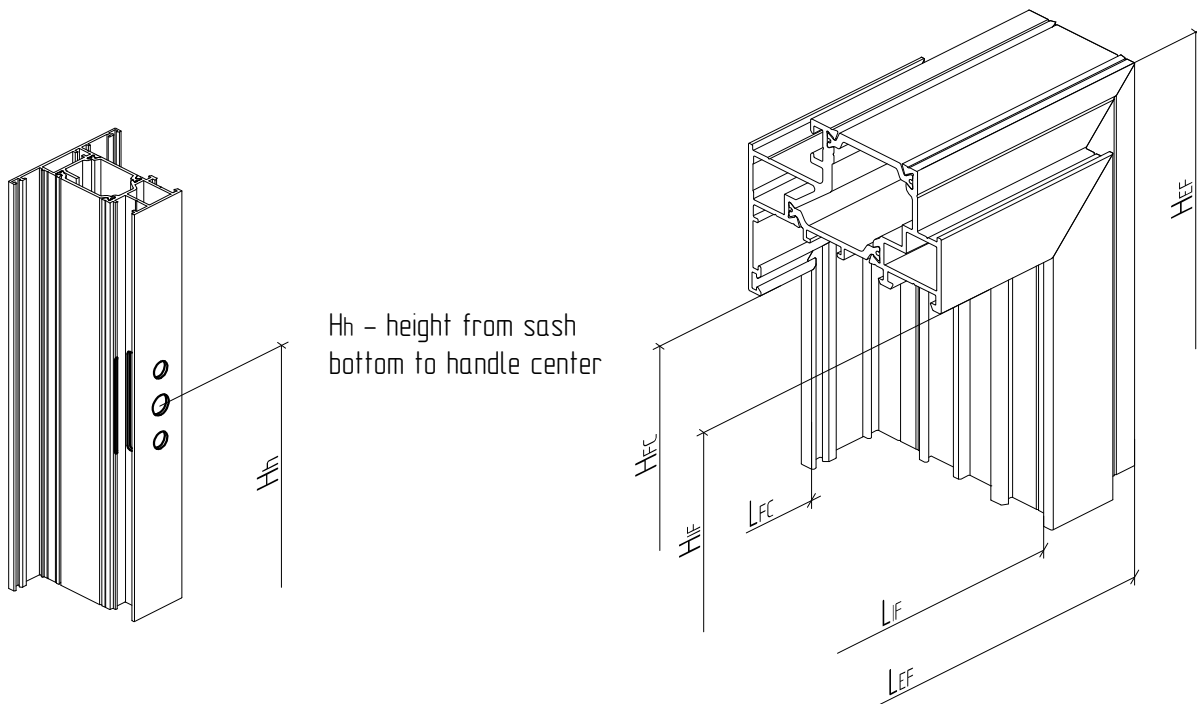
List with the dimensions



LEF – external frame width  
LIF – internal frame width  
LFC – frame clearance width  
HEF – external frame height  
HIF – internal frame height  
HFC – frame clearance height

LG – glass width  
HG – glass height

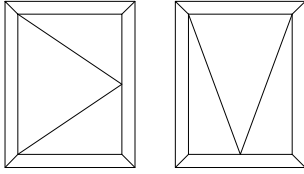
LES – external sash width  
LIS – internal sash height  
LSC – sash clearance width  
LHS – sash width for hardware installation  
HES – external sash height  
HIS – internal sash height  
HSC – sash clearance height  
HHS – sash height for hardware installation



Hh – height from sash bottom to handle center

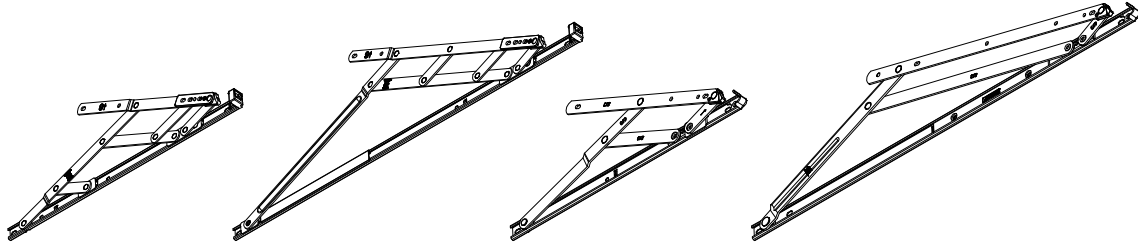
Outward opening window hardware

Standard systems



Outward opening window hardware kit includes:

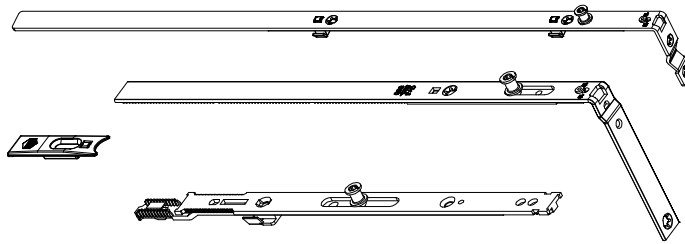
1. Securistyle friction hinges for outward opening windows Side hung and Top hung (Defender, Sterling)



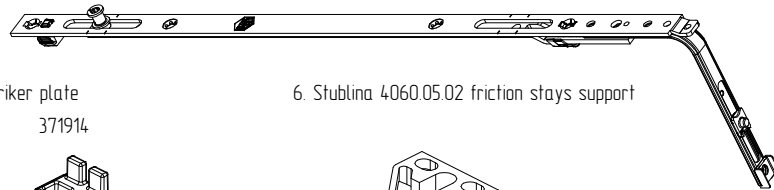
2. 20 mm backset lock (MACO) (D=20)



3. MACO shootbolt extensions

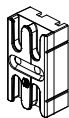


4. MACO shootbolt center locks

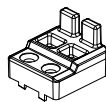


5. MACO striker plate

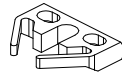
371913



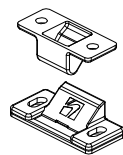
371914



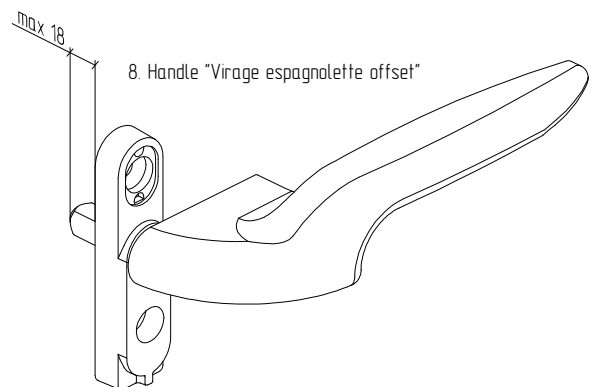
6. Stublina 4060.05.02 friction stays support



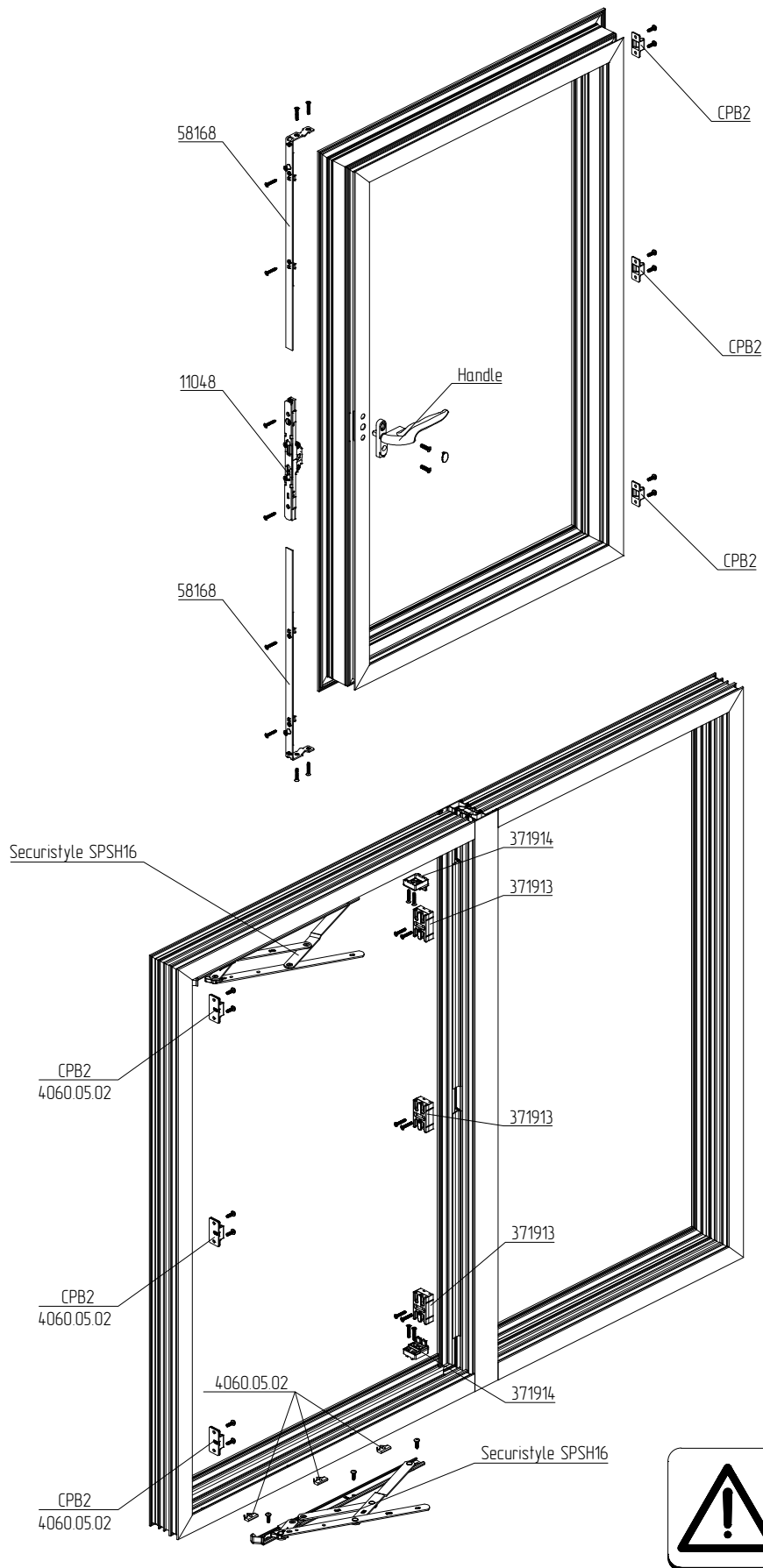
7. Commercial pull in blocks Securistyle CPB2



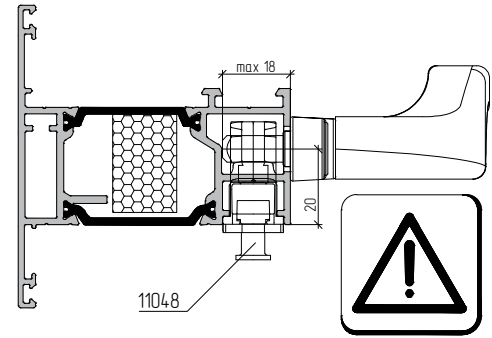
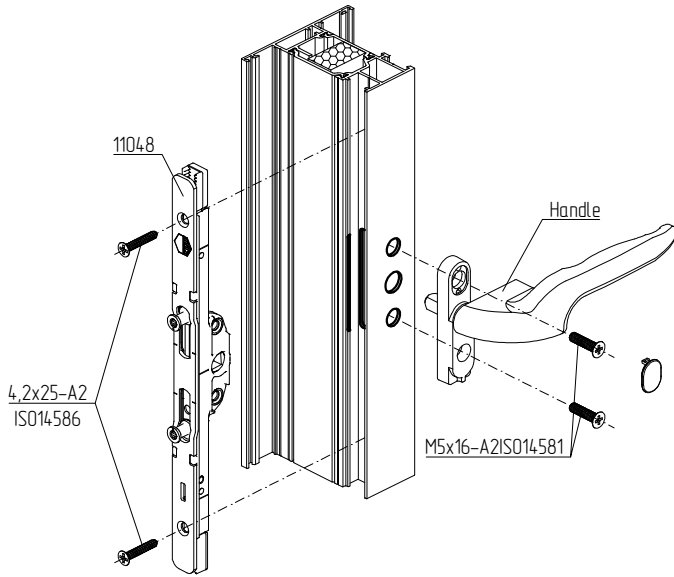
8. Handle "Virage espagnolette offset"



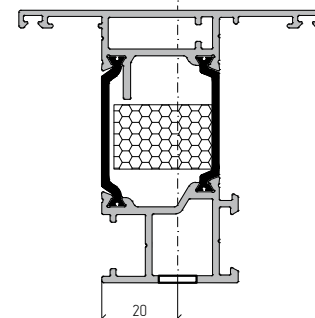
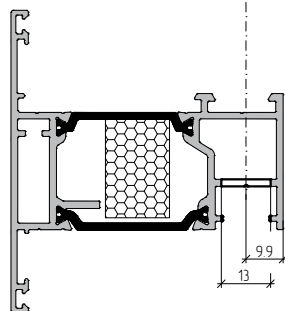
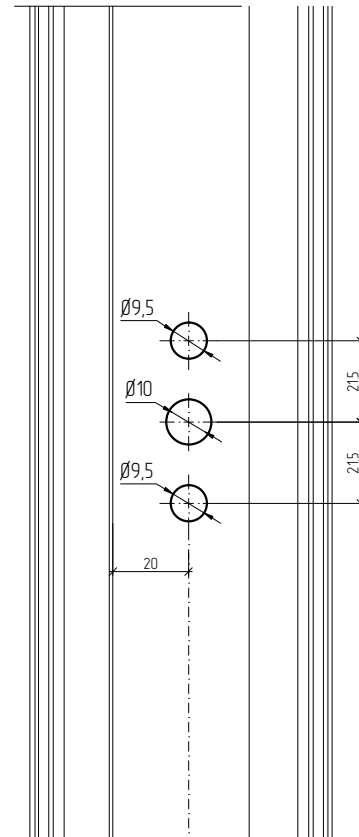
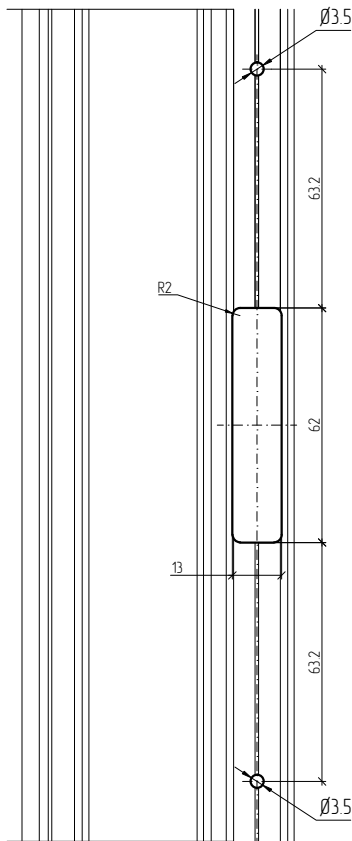
Example of casement window hardware kit (Side hung)



Sash profile machining for lock and handle installation



Backset - 20 mm.  
Before handle installation cut the quadrate till the indicated length if necessary



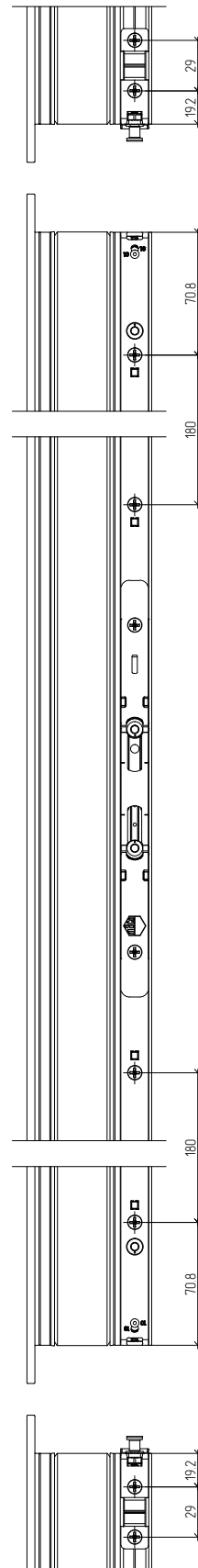
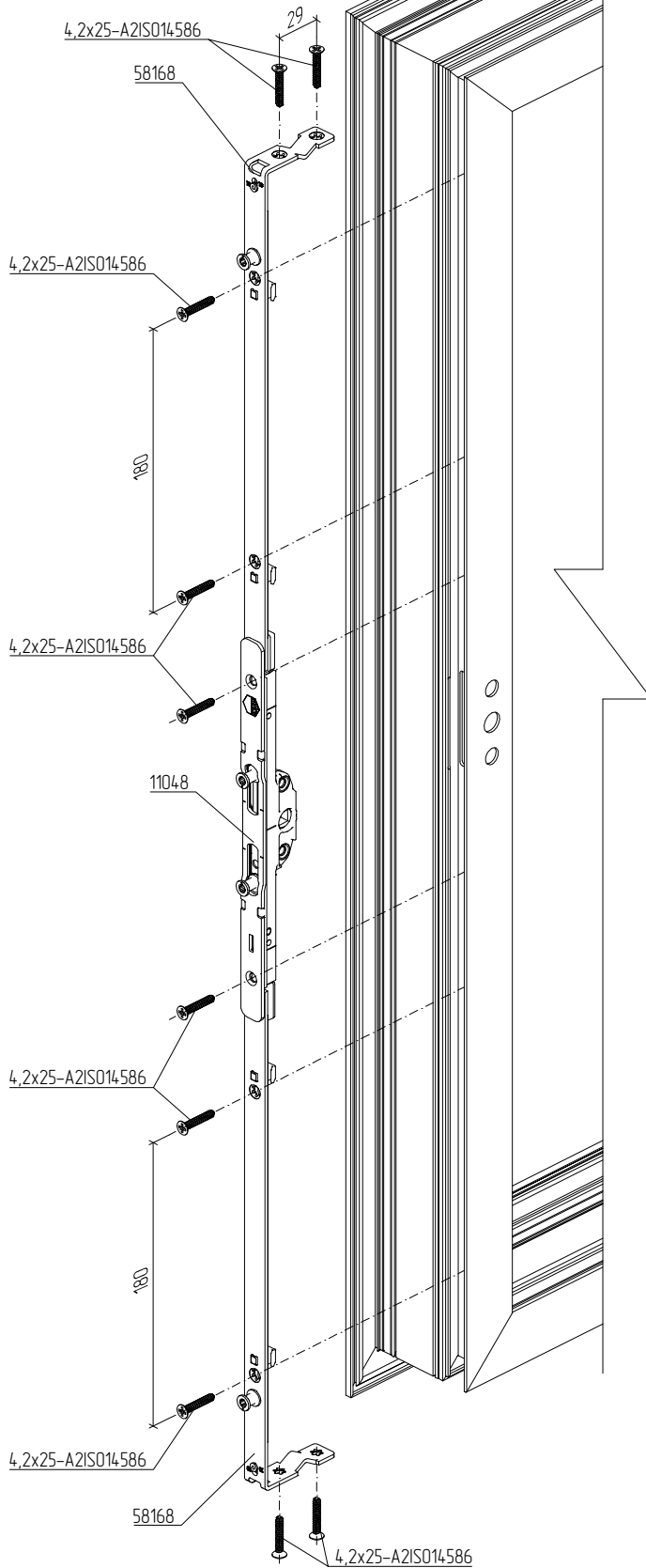
Machining dimensions may vary depending on the type and on the hardware manufacturer



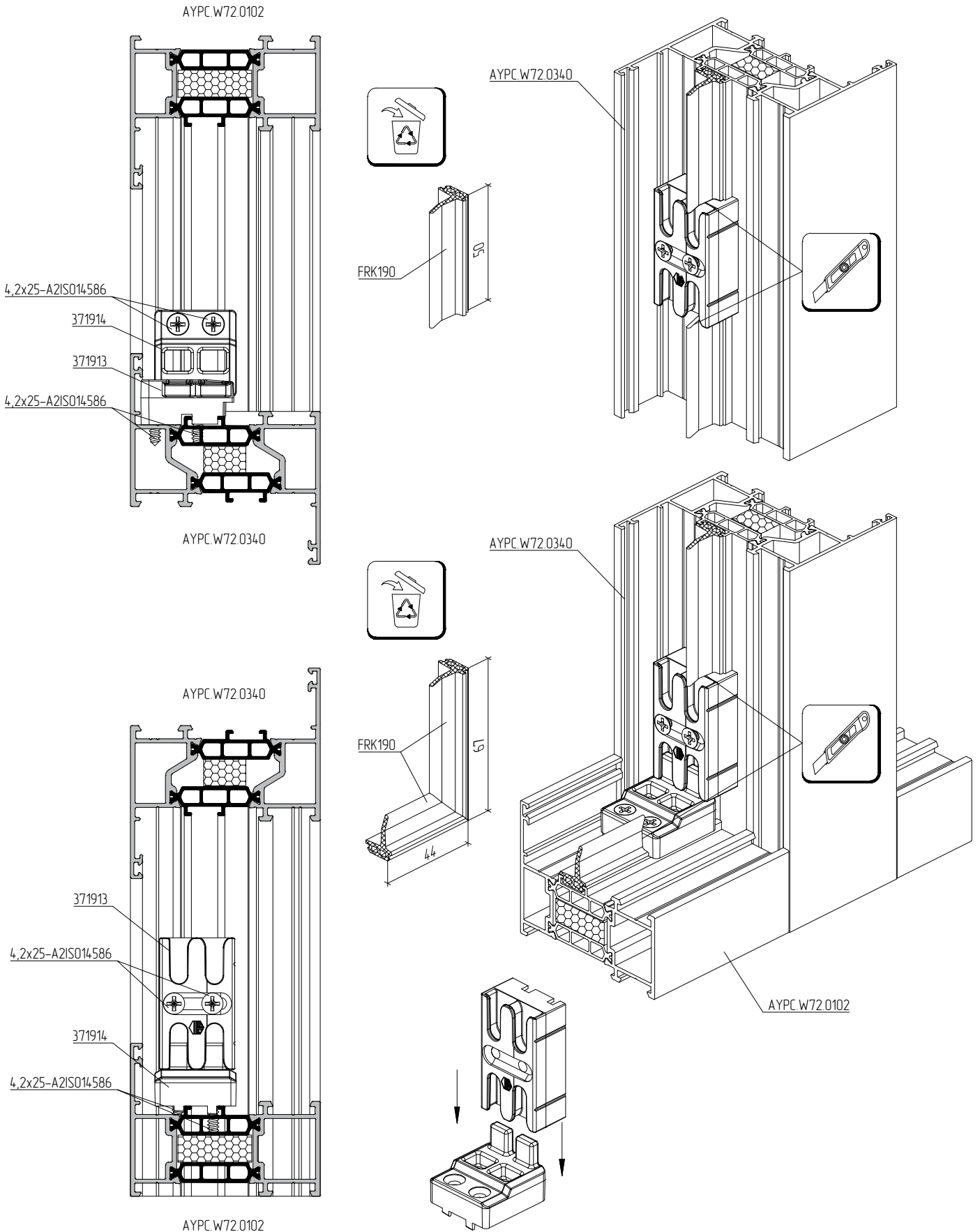
Shootbolt extensions installation on the sash



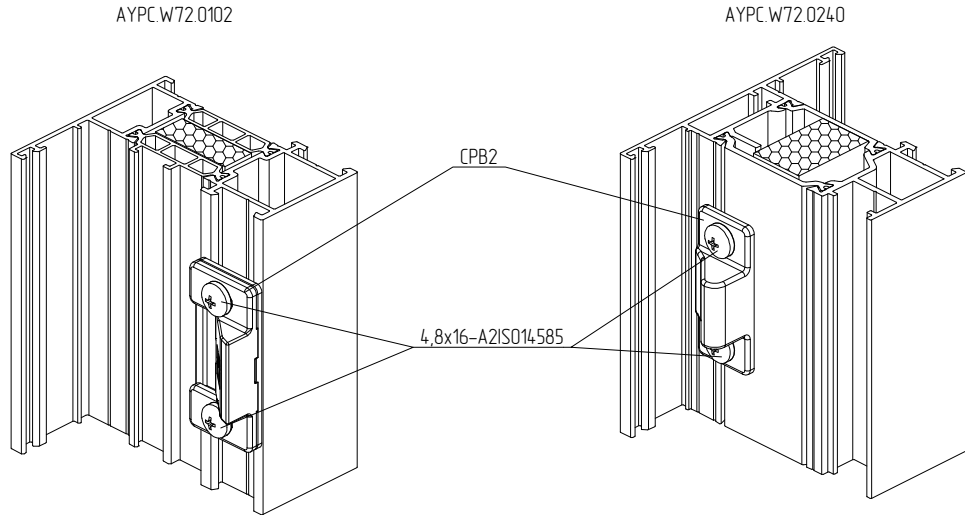
Machining dimensions could differ depending on the type and on the hardware manufacturer



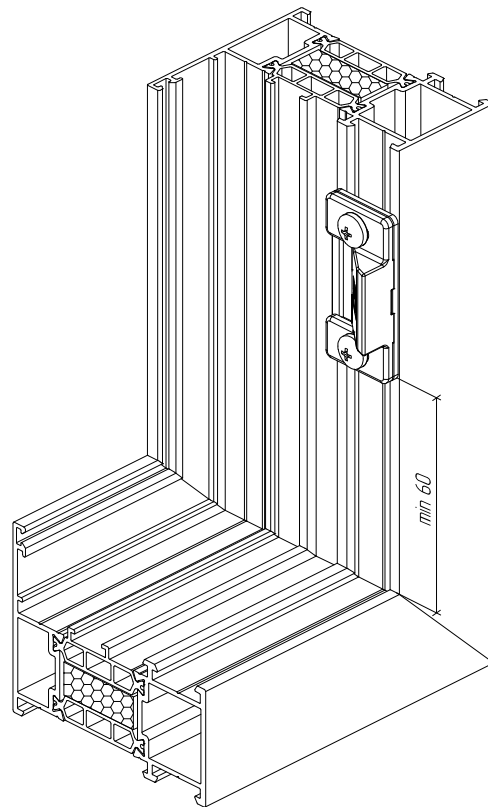
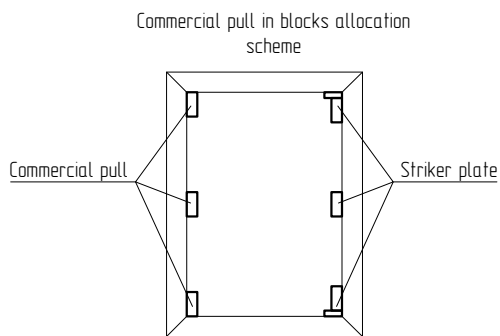
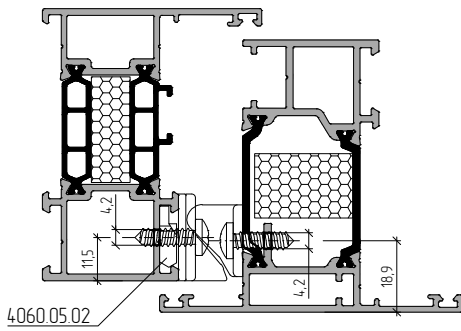
Striker plates installation on the window unit



Commercial pull in blocks installation on the frame/sash

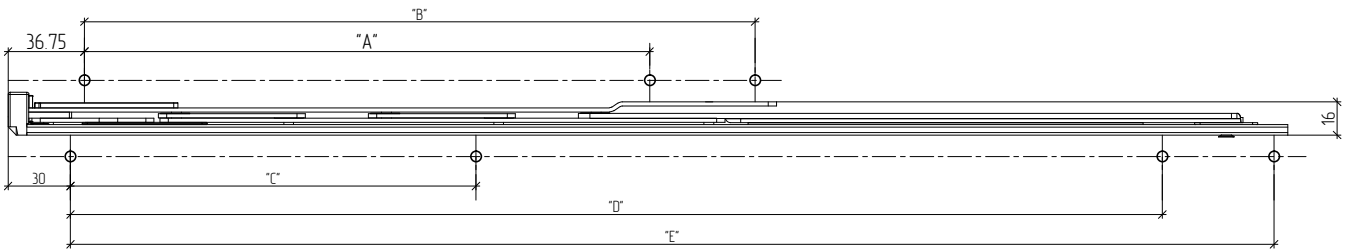


Frame and sash profile machining for 4,8x16-A2 ISO14585

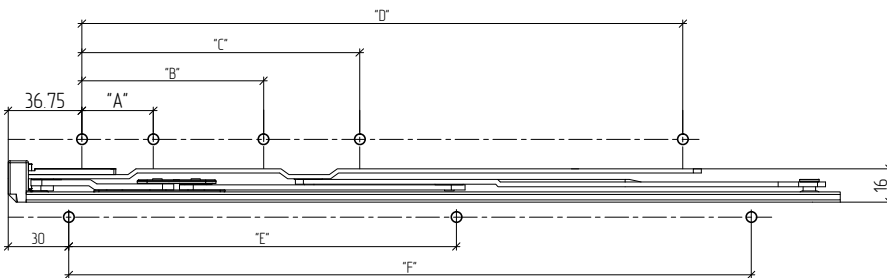


Machining for Securistyle Defender&Sterling friction stays installation

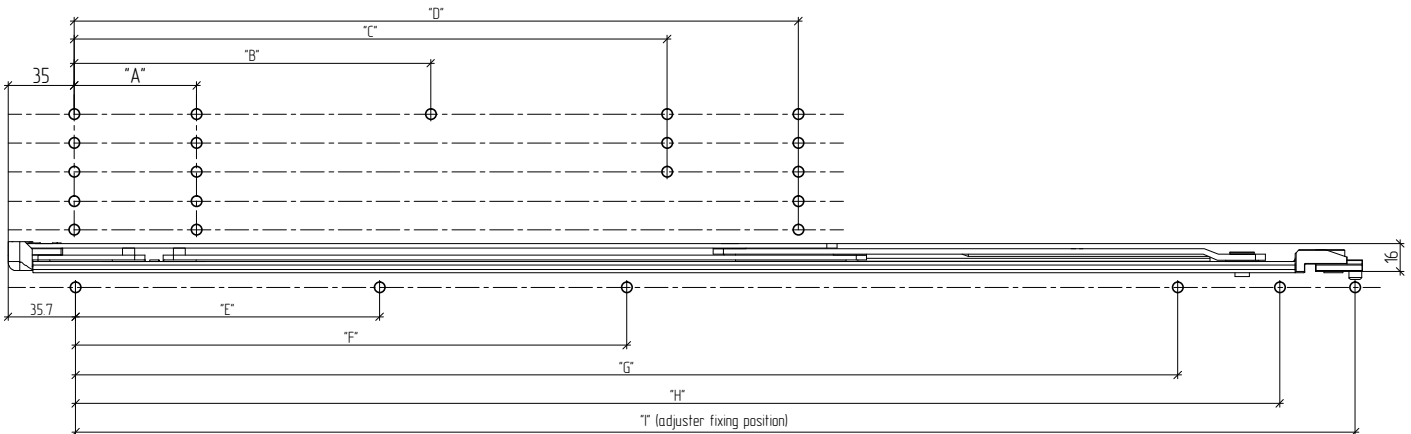
Description "Defender"		Max. sash Weight (kg)	Min. sash HHS (mm)	Max. sash HHS (mm)	Min. sash LHS (mm)	Max. sash LHS (mm)	sash fixing		Frame fixing		
							"A"	"B"	"C"	"D"	"E"
Top Hung	EDT12H6	20	400	500	-	-	95.0	152.75	209.5	-	274.0
	EDT16H6	21	501	700	-	-	152.75	220.5	281.2	-	375.6
	EDT20H6	26	701	1090	-	-	220.5	271.75	246.8	-	477.2
	EDT24H6	40	850	1300	-	-	271.75	322.5	195.0	-	578.8
	EDTH24H6	50	850	1500	-	-	271.75	322.5	195.0	525.0	578.8
Side Hung	EDS12H6	22	-	-	400	600	119.6	188.25	195.0	-	274.0
	EDS16H6	24	-	-	400	700	152.75	220.5	209.5	327.0	375.6



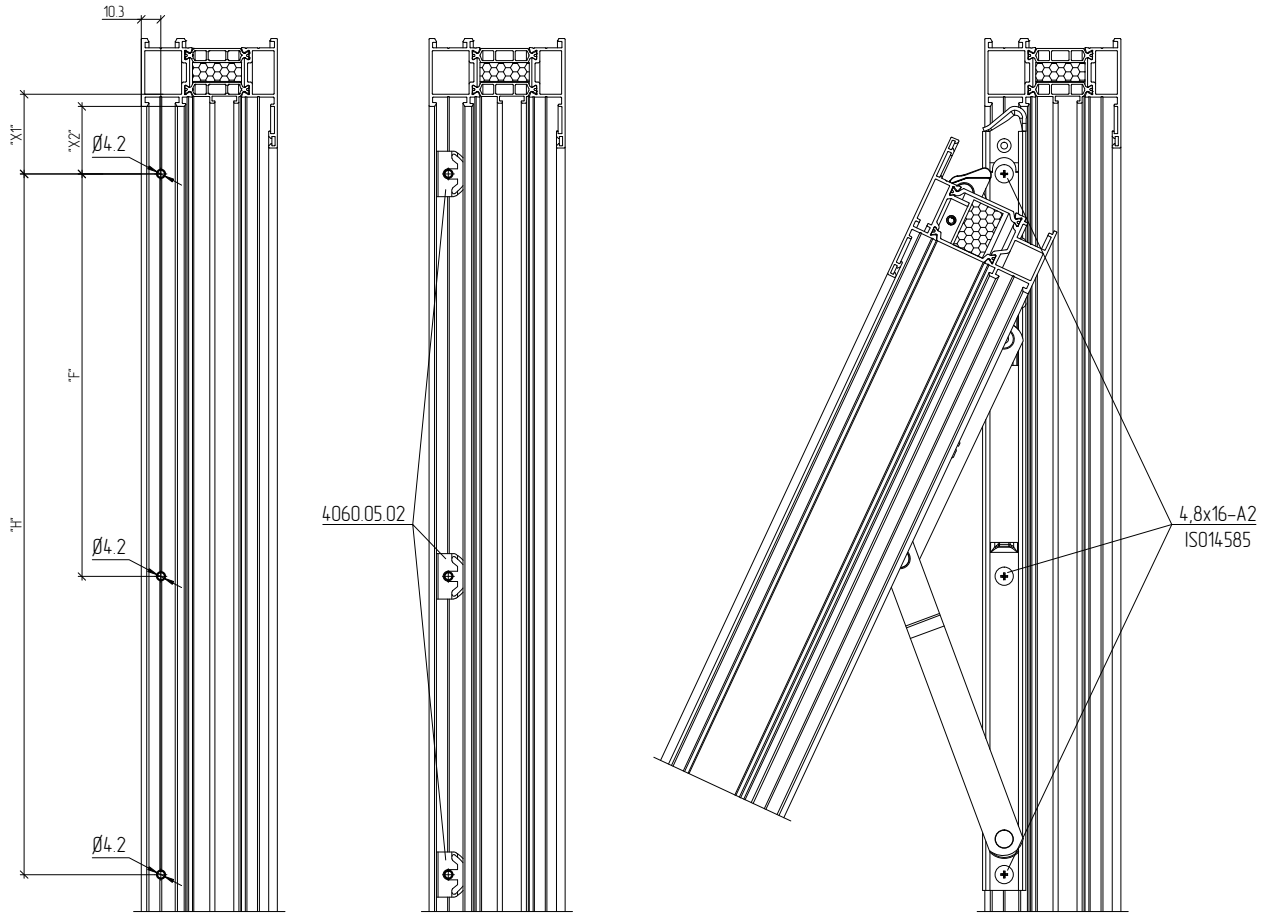
Description "Defender"		Max. sash Weight (kg)	Min. sash HHS (mm)	Max. sash HHS (mm)	Min. sash LHS (mm)	Max. sash LHS (mm)	sash fixing				Frame fixing	
							"A"	"B"	"C"	"D"	"E"	"F"
SIDE HUNG	EDSH16H6A	40	-	-	400	1000	35.3	89.9	137.6	297.6	192.0	338.0



Description "Sterling"		Max. sash Weight (kg)	Min. sash HHS (mm)	Max. sash HHS (mm)	Min. sash LHS (mm)	Max. sash LHS (mm)	sash fixing				Frame fixing				
							"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"
Top Hung	SPT10	40	400	635	-	-	40.8	-	-	165.1	-	177.8	-	218.2	-
	SPT12	50	636	787	-	-	65.0	-	-	190.1	-	212.7	-	269.0	-
	SPT16/SPT16W	65	788	1090	-	-	118.4	-	-	241.2	215.7	304.0	-	370.6	-
	SPT22	100	1091	1500	-	-	65.0	-	203.2	317.4	251.3	418.3	-	523.0	-
	SPT22W	100	1501	2000	-	-	80.0	-	235.8	350.0	-	295.4	-	526.5	-
	SPT26	180	2001	2200	-	-	65.0	189.0	314.4	383.9	161.4	292.4	584.5	638.5	676.8
Side Hung	SPS10	38	-	-	400	660	34.0	-	-	165.1	-	177.8	-	218.2	-
	SPS16	55	-	-	450	838	65.0	-	-	241.2	-	212.9	-	370.6	-



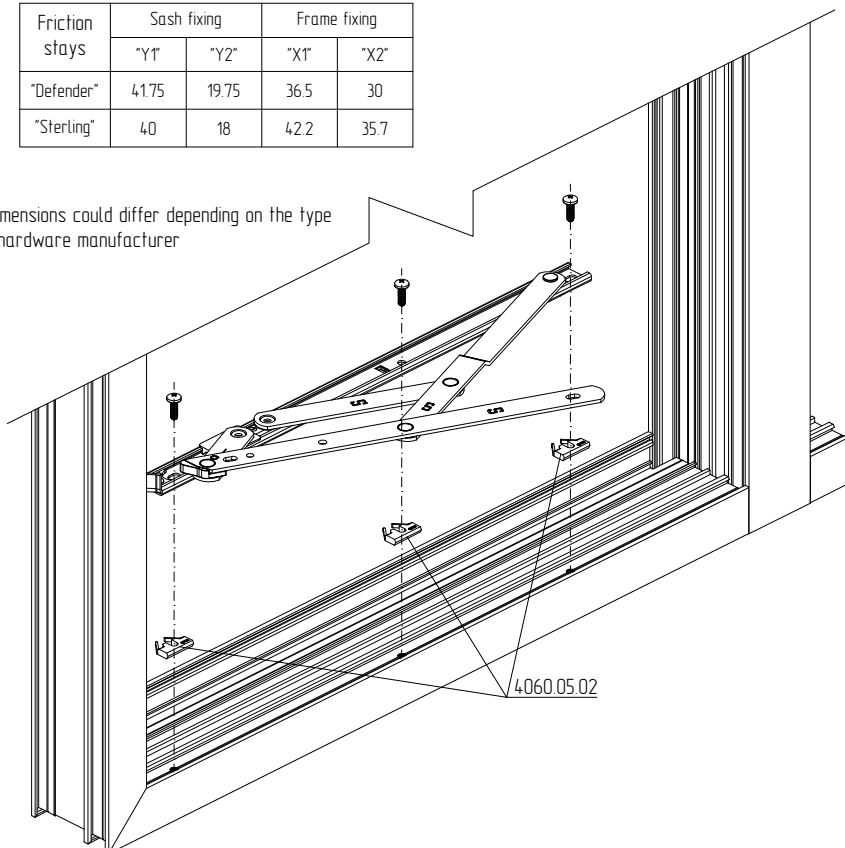
Frame profile machining for friction stays installation



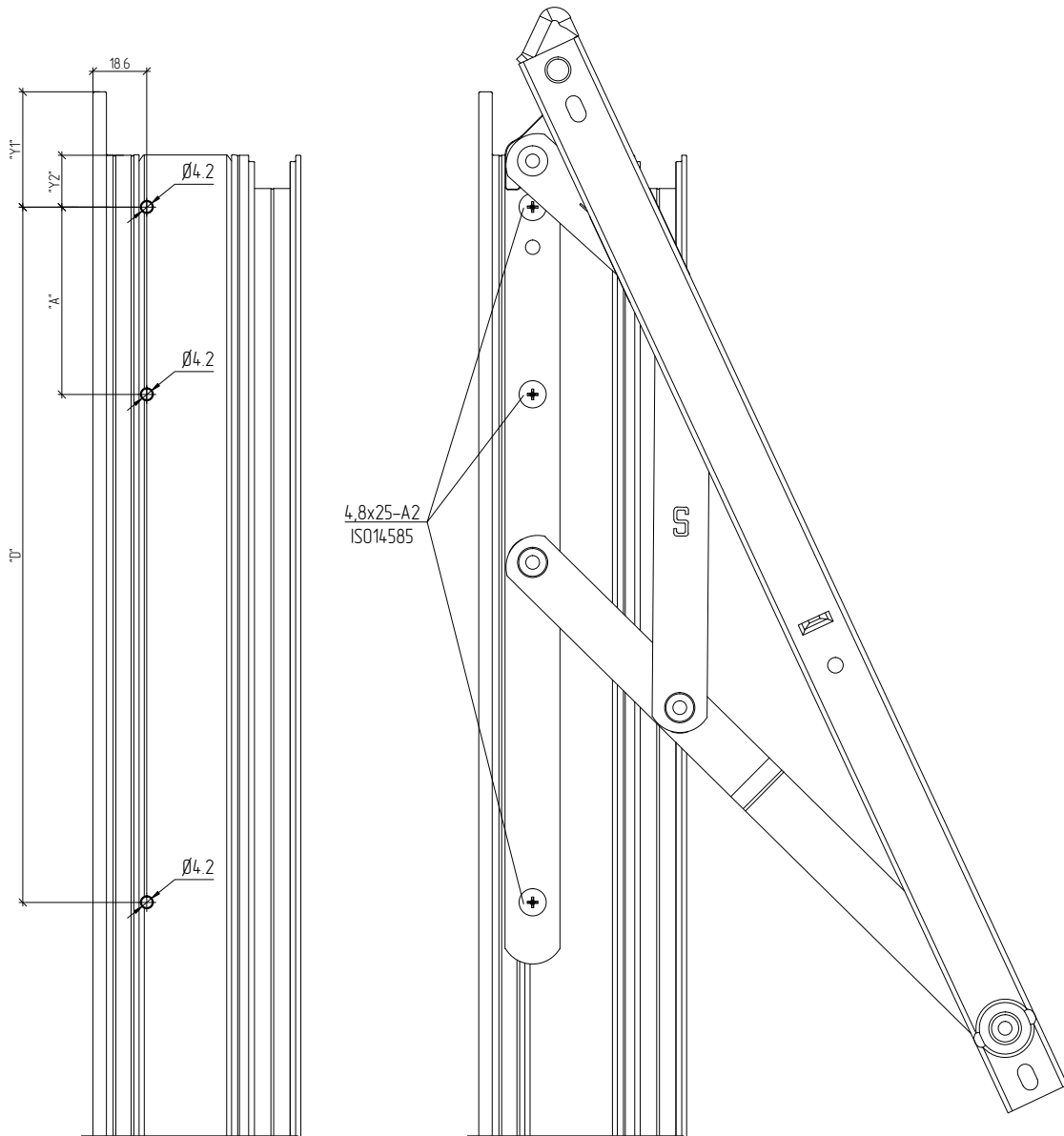
Friction stays	Sash fixing		Frame fixing	
	"Y1"	"Y2"	"X1"	"X2"
"Defender"	41.75	19.75	36.5	30
"Sterling"	40	18	42.2	35.7



Machining dimensions could differ depending on the type and on the hardware manufacturer

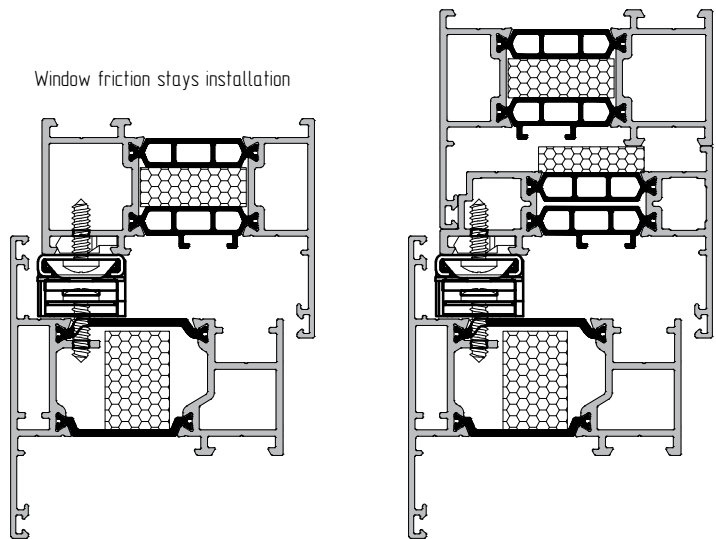


Sash profile machining for friction stays installation



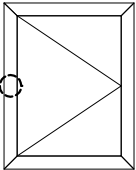
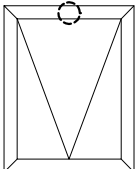
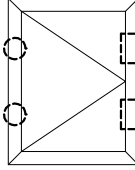
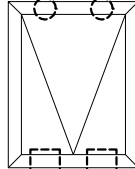
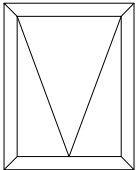
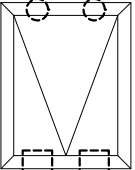
Friction stays	Sash fixing		Frame fixing	
	"Y1"	"Y2"	"X1"	"X2"
"Defender"	41.75	19.75	36.5	30
"Sterling"	40	18	42.2	35.7

Window friction stays installation



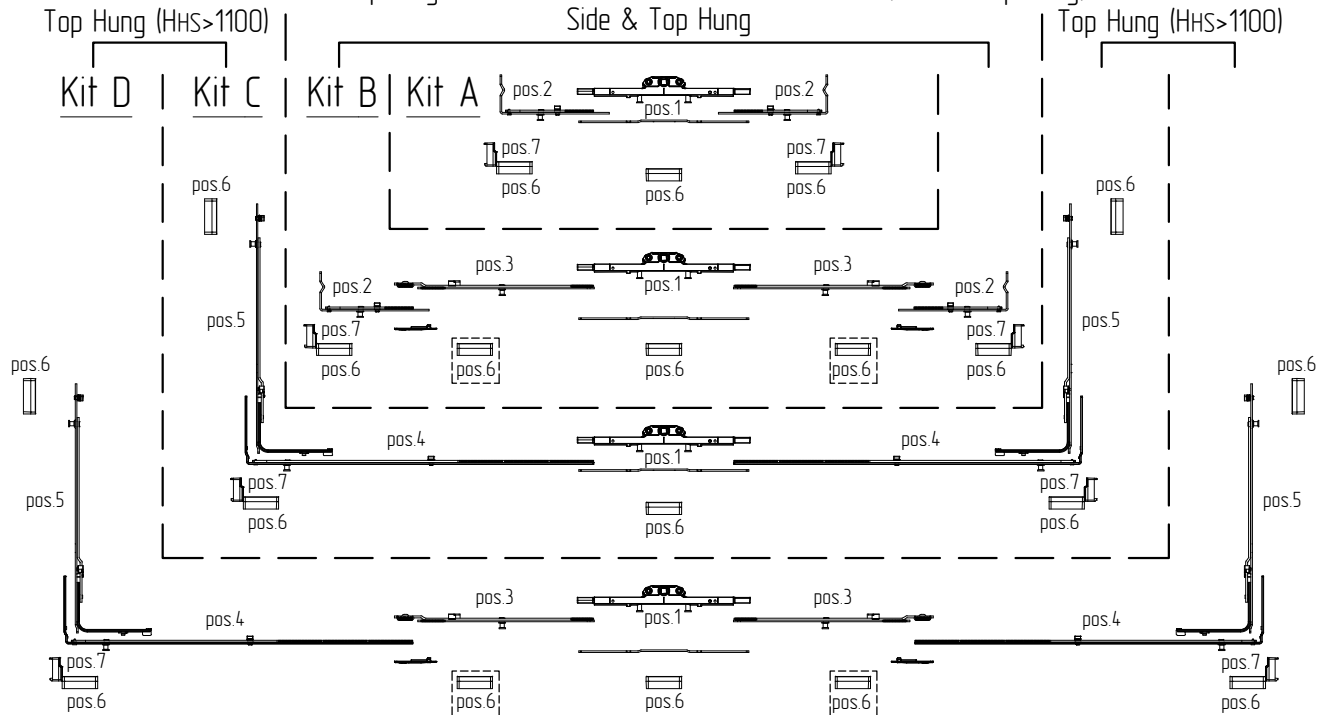
Machining dimensions could differ depending on the type and on the hardware manufacturer

**Casement window hardware**

<p><b>Kit A</b> (Side Hung (HHS) / Top Hung (LHS))</p>  <p>Side Hung</p>  <p>Top Hung</p>	<p>pos.1 - 20 mm backset lock (MACO) - art.11048 - 1 pcs.          pos.6 - Mushroom striker plate (MACO) - art. 371913 - 3 pcs.          pos.7 - Shootbolt striker plate (MACO) - art. 371914 - 2 pcs.          pos.8 - Commercial pull in blocks (Securistyle) - art. CPB2 - 3 pcs.          LHS/HHS=400...800mm</p> <p>pos.2 - Shootbolt extensions (MACO) (by matching):          - art. 58161 - (400...800) - 2 pcs.          LHS/HHS=801...1400mm</p> <p>pos.2 - Shootbolt extensions (MACO) (by matching):          - art. 58168 - (801...1100) - 2 pcs.          - art. 58169 - (1101...1400) - 2 pcs.</p>	<p><b>Kit B</b> (Side Hung (HHS) / Top Hung (LHS))</p>  <p>Side Hung</p>  <p>Top Hung</p>	<p>pos.1 - 20 mm backset lock (MACO) - art.11048 - 1 pcs.          pos.7 - Shootbolt striker plate (MACO) - art. 371914 - 2 pcs.          pos.3 - Extension 250 mm (MACO) - art. 101530 - 2 pcs.          LHS/HHS=1401...1900mm</p> <p>pos.2 - Extension (MACO) (by matching):          - art. 58168 - (1401-1600) - 2 pcs.          - art. 58169 - (1601-1900) - 2 pcs.</p> <p>pos.6 - Mushroom striker plate (MACO) - art. 371913 - 5 pcs.          pos.8 - Commercial pull in blocks (Securistyle) - art. CPB2 - 5 pcs.</p>
<p><b>Kit C</b></p>  <p>Top Hung</p>	<p>pos.1 - 20 mm backset lock (MACO) - art.11048 - 1 pcs.          pos.5 - Shootbolt center locks (MACO) (by matching):          - art. 220036 - (H=1091...1300mm) - 2 pcs.          - art. 220037 - (H=1301...2200mm) - 2 pcs.          pos.6 - Mushroom striker plate (MACO) - art. 371913 - 5 pcs.          pos.7 - Shootbolt striker plate (MACO) - art. 371914 - 2 pcs.          pos.8 - Commercial pull in blocks (Securistyle) - art. CPB2 - 3 pcs.          LHS=500...800mm</p> <p>pos.4 - Shootbolt extensions (MACO) - art. 220232 - 2 pcs.          LHS=801...1100mm</p> <p>pos.4 - Shootbolt extensions (MACO) - art. 220233 - 2 pcs.</p>	<p><b>Kit D</b></p>  <p>Top Hung</p>	<p>pos.1 - 20 mm backset lock - art.11048 - 1 pcs.          pos.4 - Shootbolt extensions (MACO) - art. 220232 - 2 pcs.          pos.5 - Shootbolt center locks (MACO) (by matching):          - art. 220036 - (H=1091...1300mm) - 2 pcs.          - art. 220037 - (H=1301...2200mm) - 2 pcs.          pos.6 - Mushroom striker plate (MACO) - art. 371913 - 7 pcs.          pos.7 - Shootbolt striker plate (MACO) - art. 371914 - 2 pcs.          pos.8 - Commercial pull in blocks (Securistyle) - art. CPB2 - 5 pcs.          LHS=1101...1300mm</p> <p>pos.3 - Extension 250 mm (MACO) - art. 101530 - 2 pcs.          LHS=1301...1720mm</p> <p>pos.3 - Extension 600 mm (MACO) - art. 102859 - 2 pcs.</p>

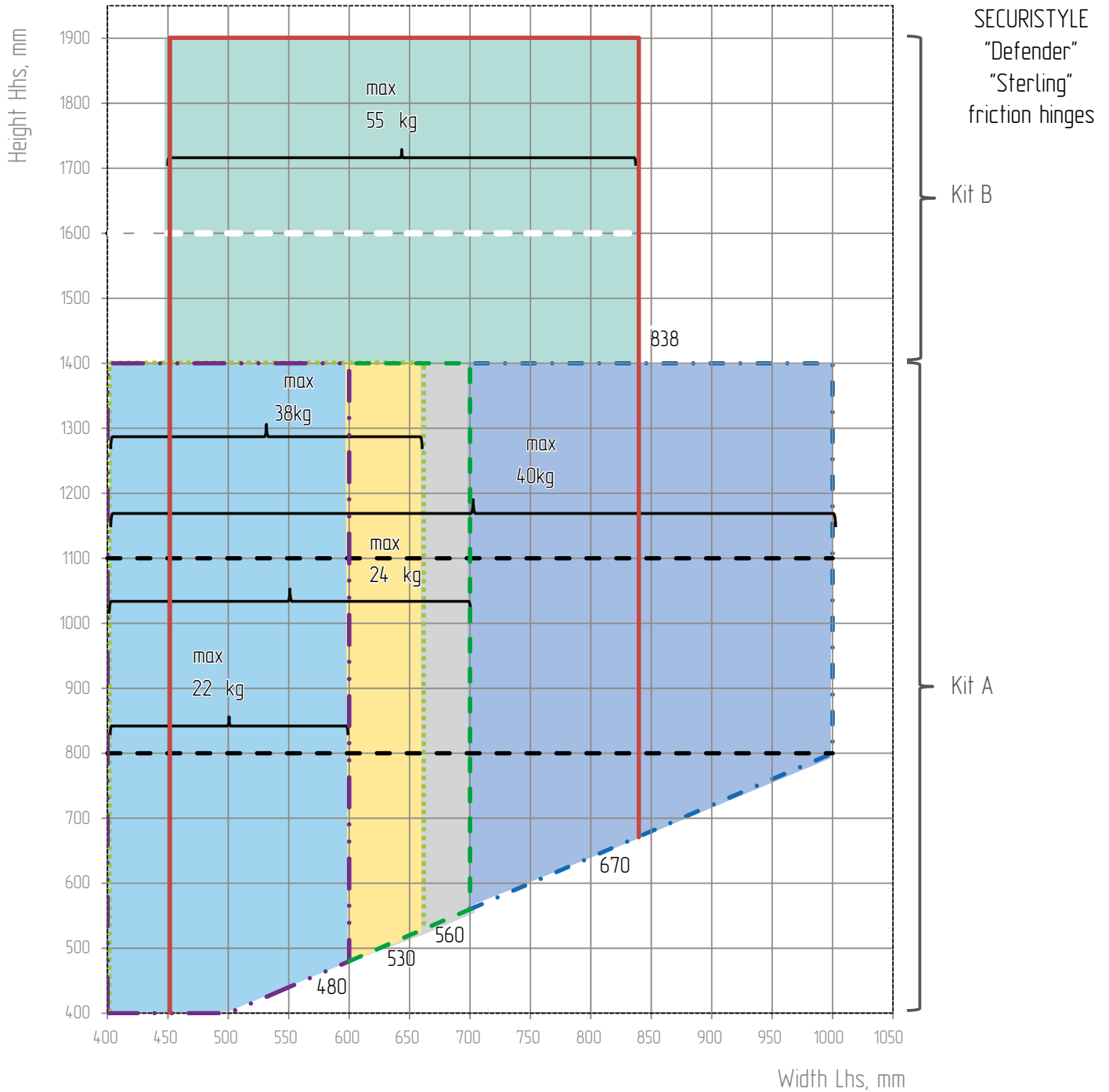
Art. S7280 - Adjustment blocks (Securistyle) - 2 pcs. Used on top hung vents over 100kg and optional on lighter vents. Suitable for use with all securistyle commercial hinges this product provides easy alignment of heavy vents on site.

**Outward opening window hardware installation scheme (Side & Top Hung)**



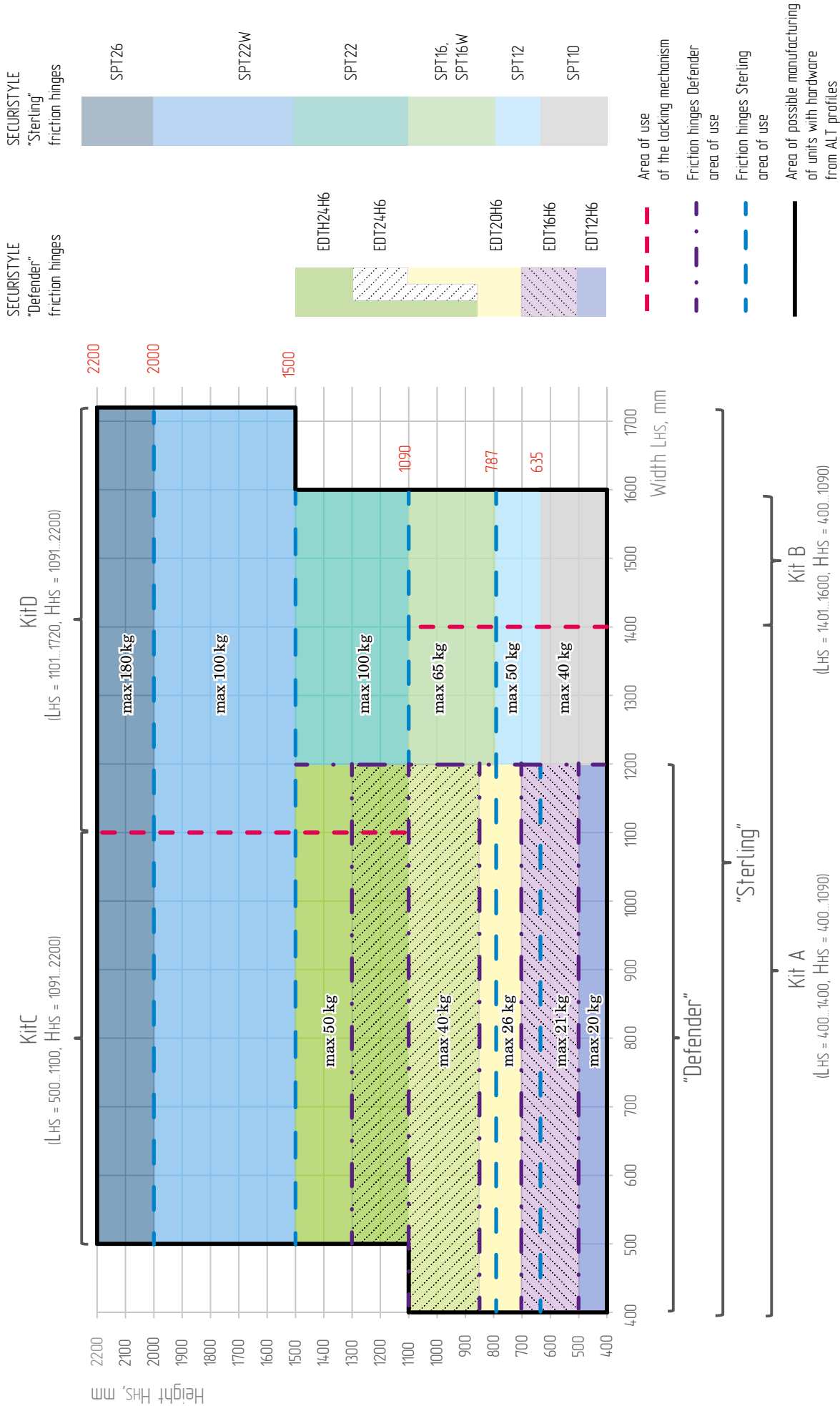
- - pos.8 - Commercial pull in blocks (Securistyle) - art. CPB2
- - pos.6 - Mushroom blanking plate (MACO) - art. 371913

The Commercial pull in blocks (Securistyle) - CPB2 is placed in front of the strike plates (MACO). The installation scheme is shown on p. 08.09

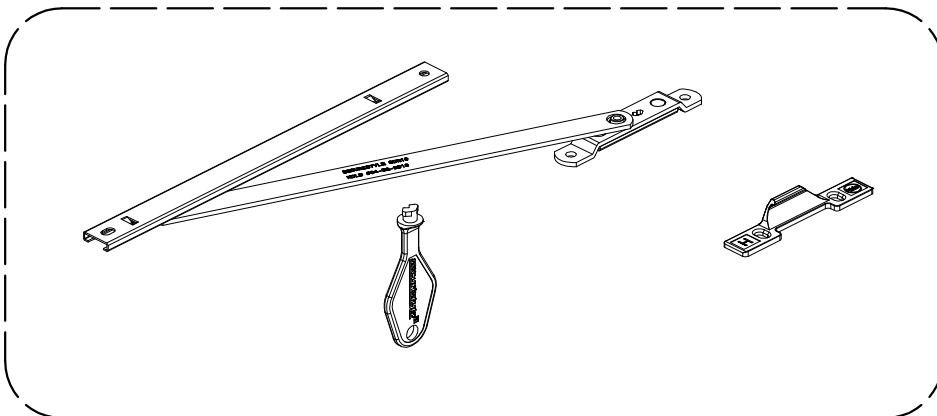
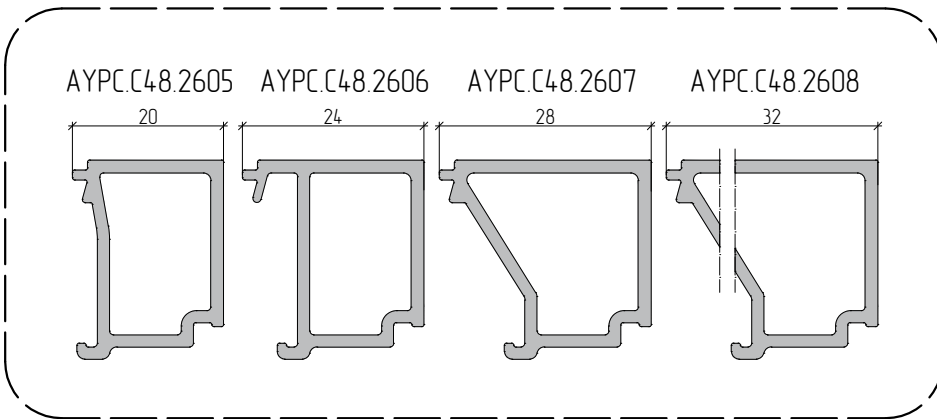
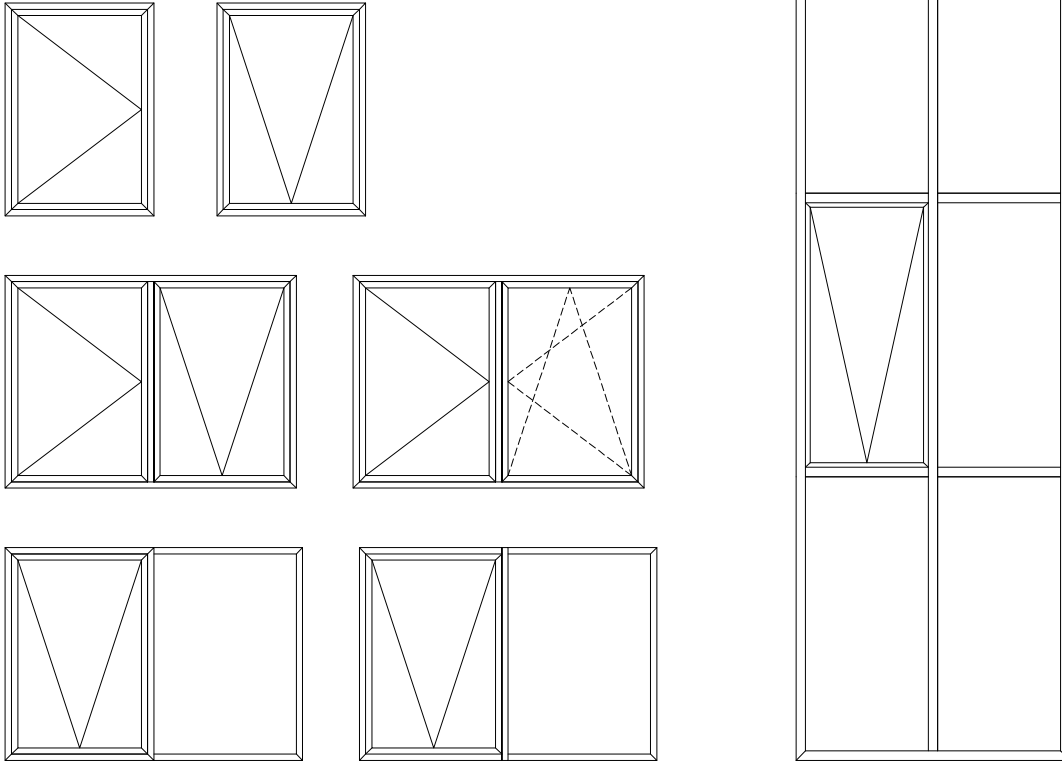


- . - . - . Defender EDS12H6 friction hinges  
area of use is **max 22 kg**
- - - - - Defender EDS16H6 friction hinges  
area of use is **max 24 kg**
- . - . - . Defender EDSH16H6A friction hinges  
area of use is **max 40 kg**
- . - . - . Sterling SPS10 friction hinges area of use - **max 38 kg**
- - - - - Sterling SPSH16 friction hinges  
area of use is **max 55 kg**
- - - - - Area of use of the locking mechanism



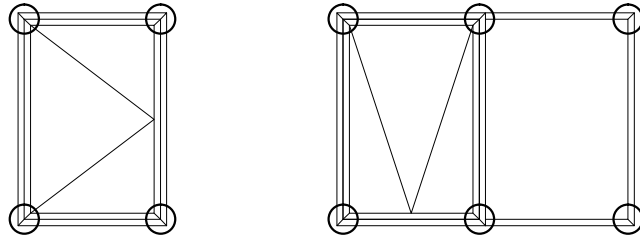


PAS24 Configuration Details  
Glazing from the inside

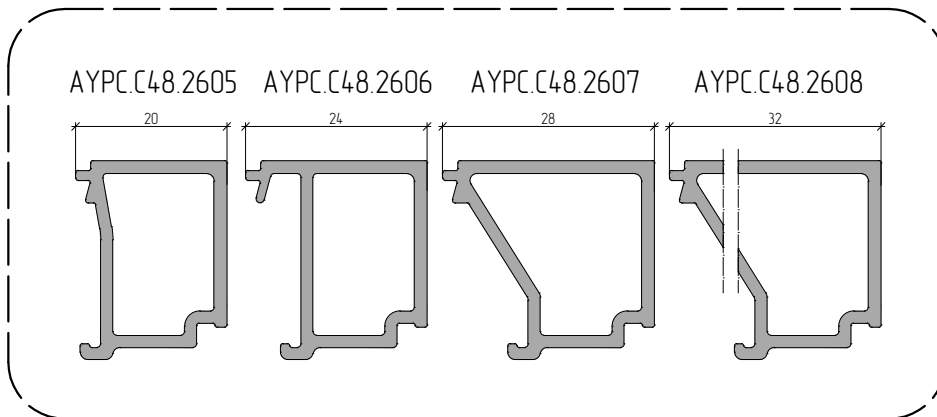
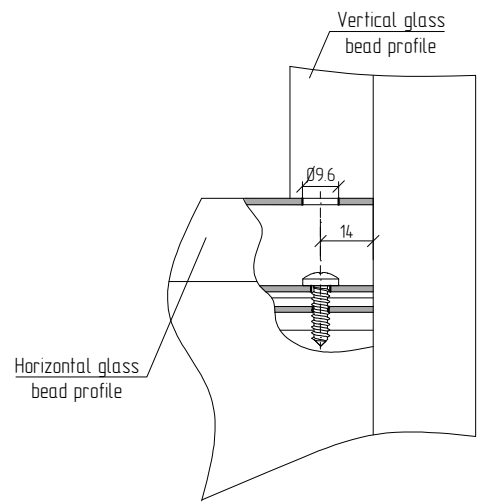
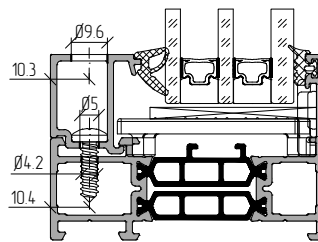
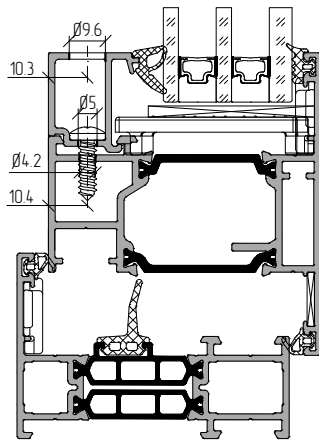


PAS24 Configuration Details  
Glazing from the inside

Fixing of the horizontal glass bead profile with 3,9x9,5-A2ISO14585 screw

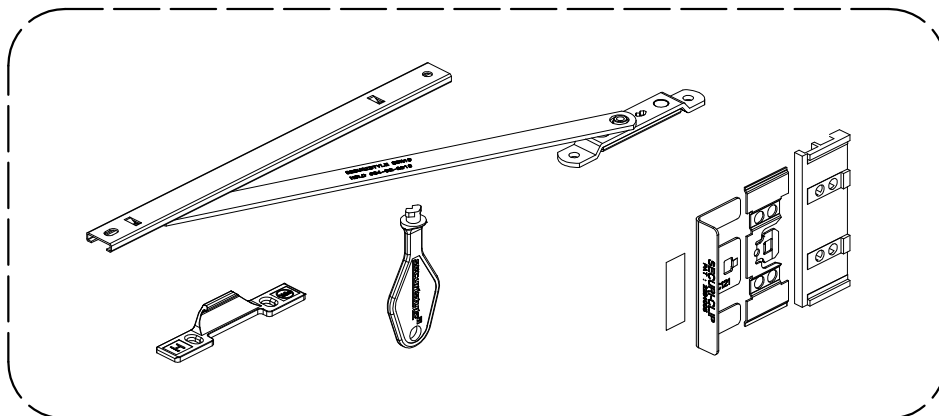
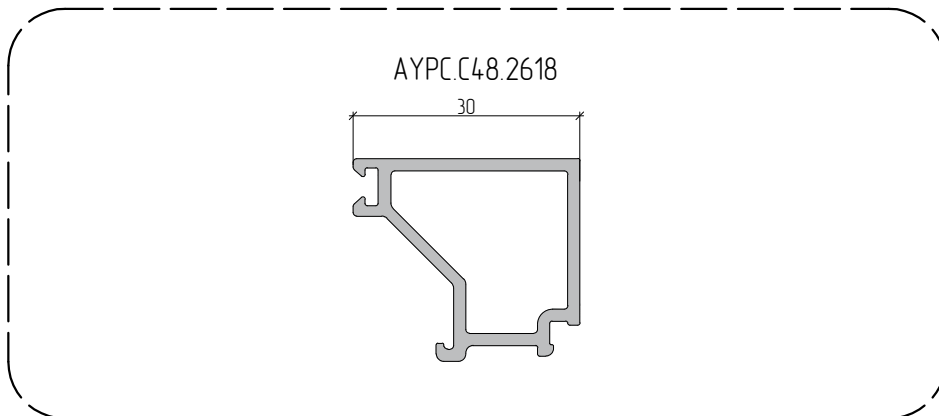
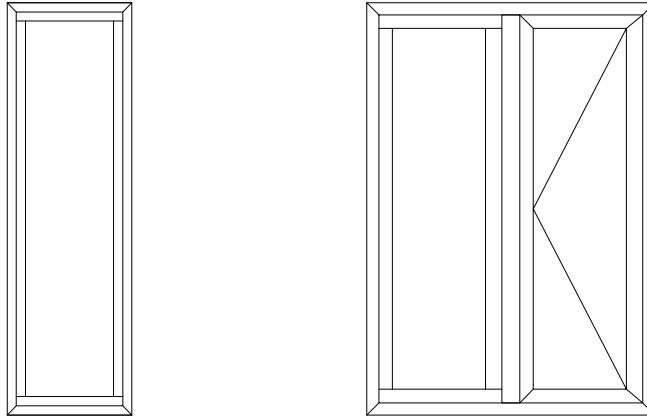


The screw positioning over the length



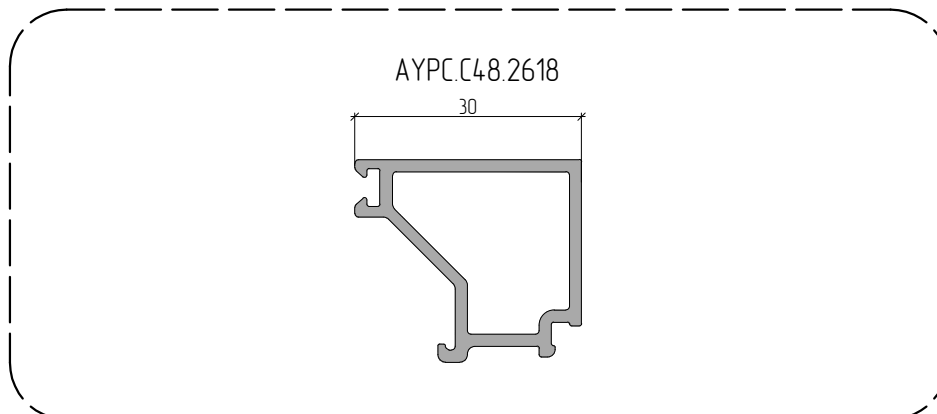
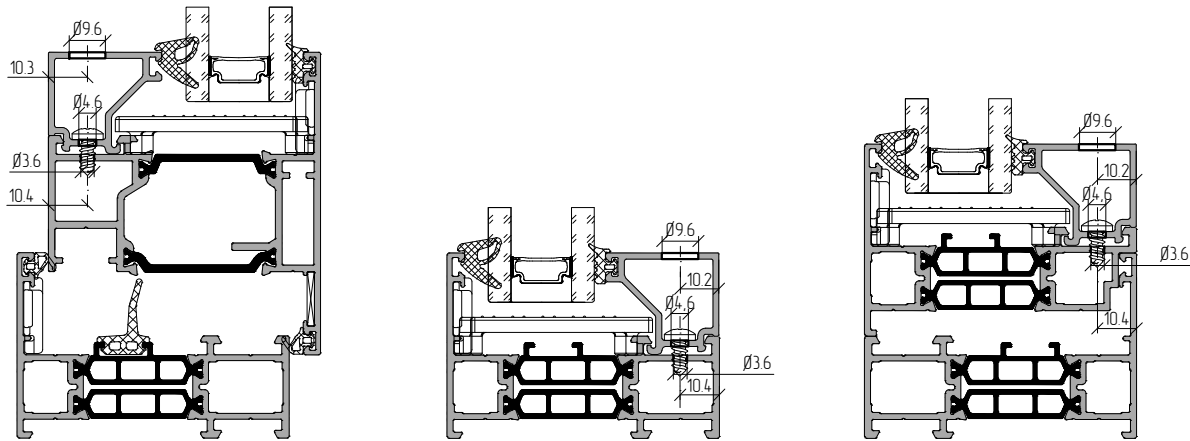
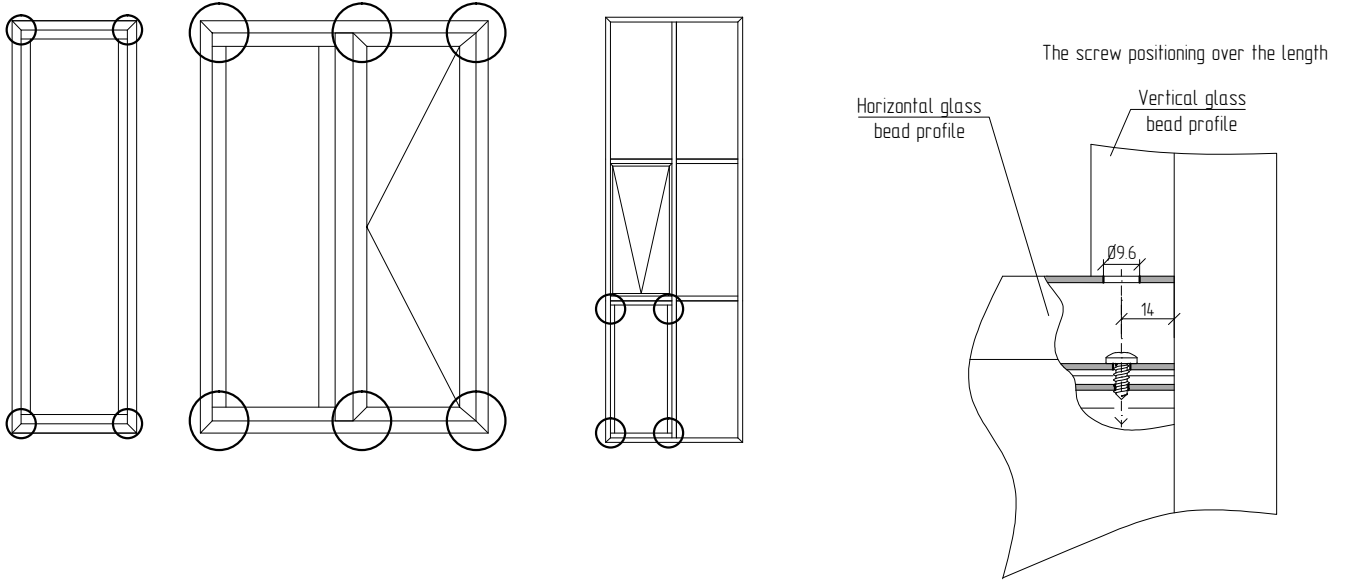
Install the glass bead only from the side of the room

PAS24 Configuration Details  
Glazing from the outside



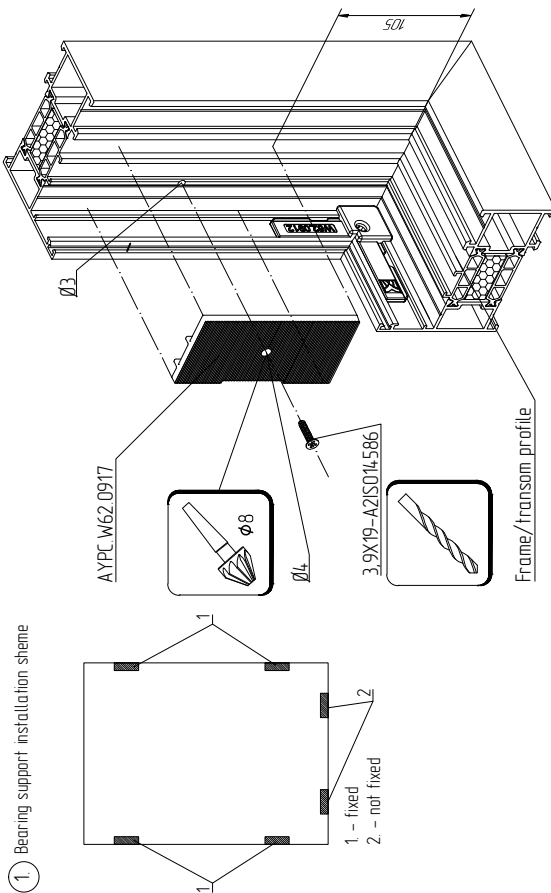
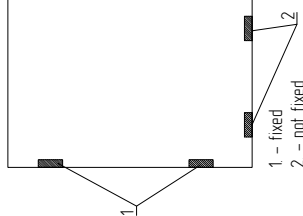
PAS24 Configuration Details  
Glazing from the outside

Fixing of the horizontal glass bead profile with 3,9x9,5-A2ISO14585 screw

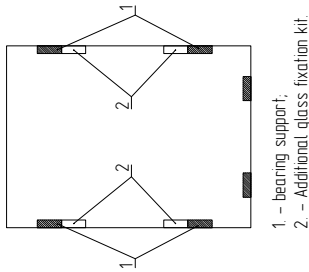


Frame glazing sequence from outside. PAS24

1. Bearing support installation scheme

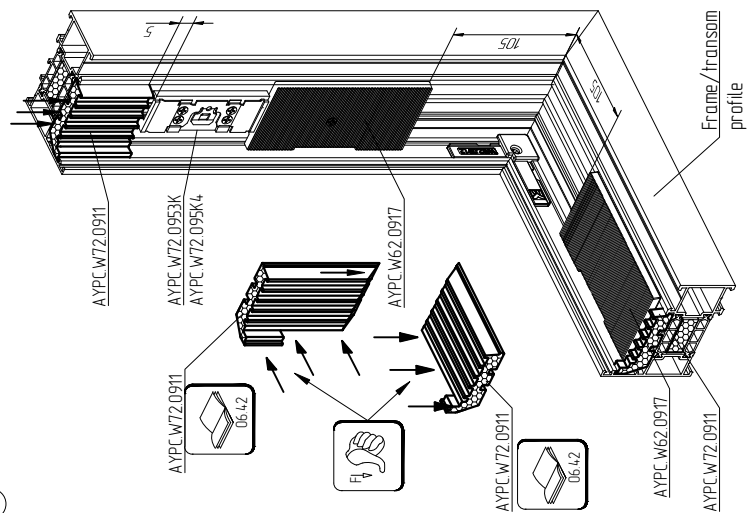


2. Additional glass fixation kit installation scheme

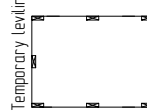


1 - bearing support;  
2 - Additional glass fixation kit.

3. Seam sealing installation



4.1 Temporary leveling support installation (remove after inside gasket installation). To avoid glass and aluminum profile touching



4.2 Infill installation



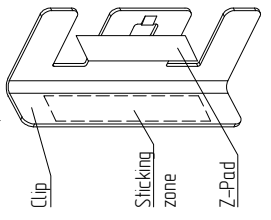
4.3 Leveling support installation



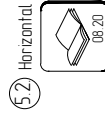
4.4 Clip fixation



Stick on Z-pad from the kit on the clip before the clip installation.



5.1 Install outside gasket in the bead profile



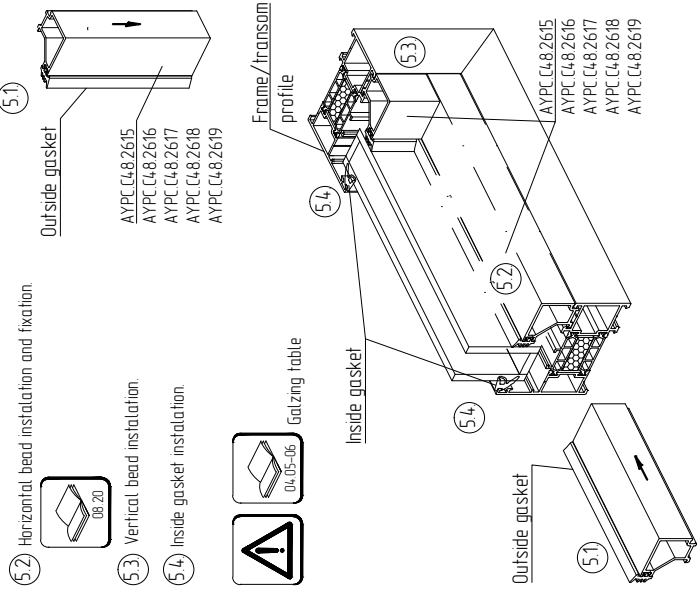
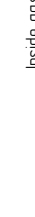
5.2 Horizontal bead installation



5.3 Vertical bead installation

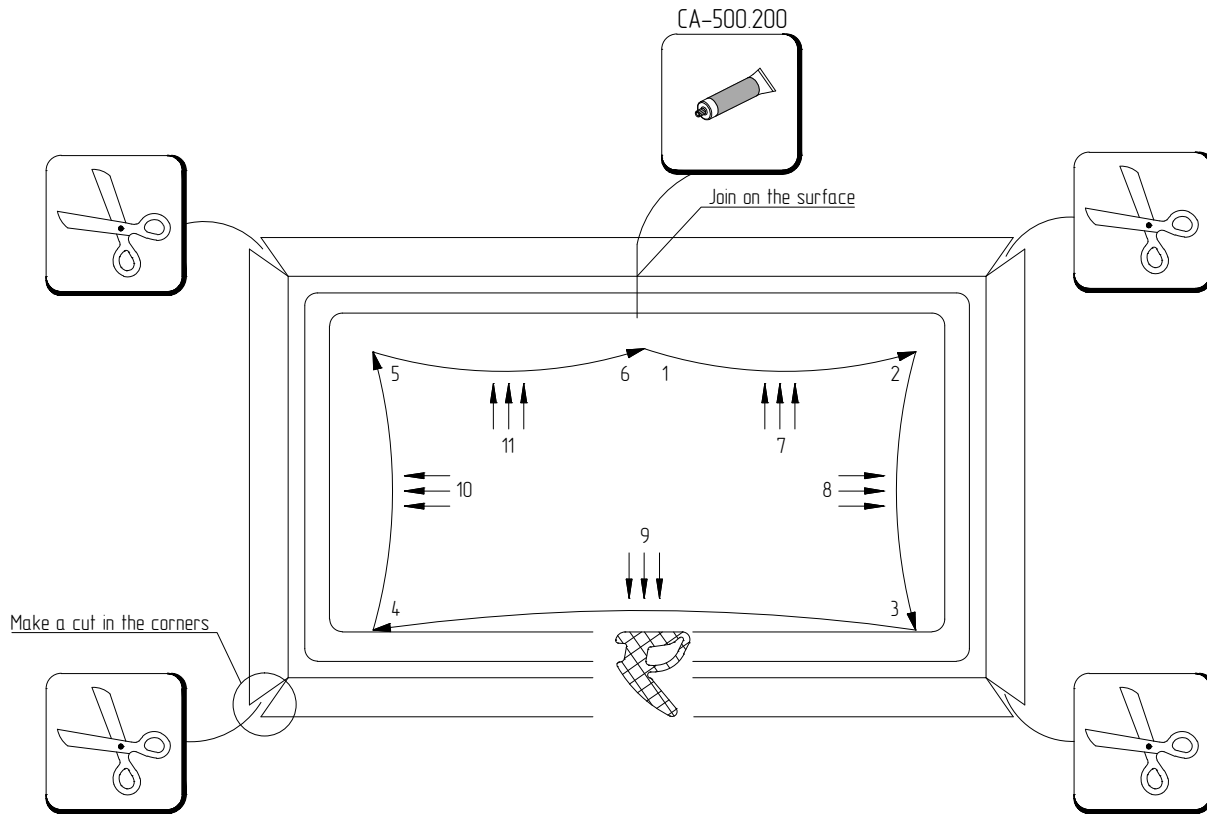


5.4 Inside gasket installation

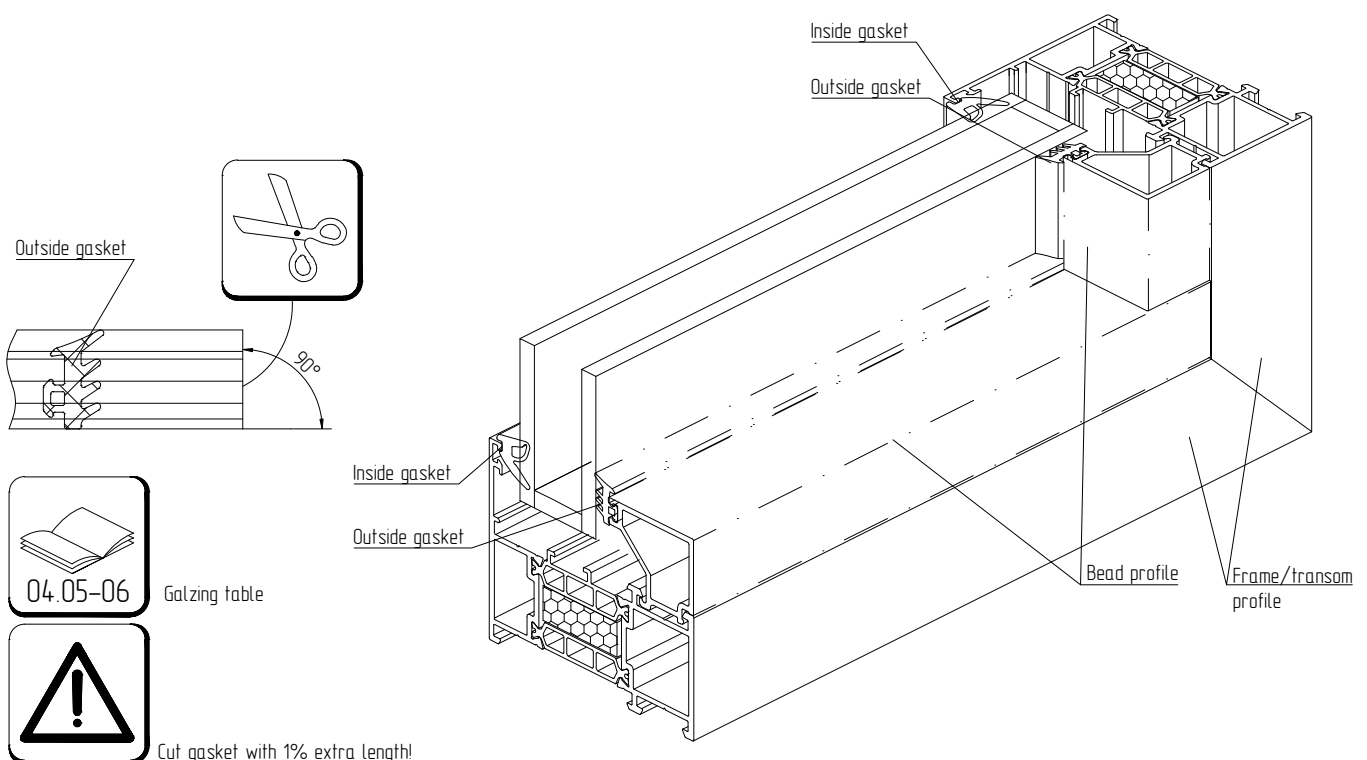


Gasket cutting and installation. Glazing from the outside

Cutting and installation scheme of inside gasket.

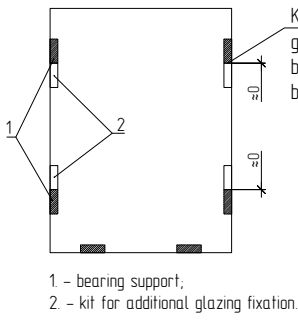


Cutting and installation scheme of outside gasket.

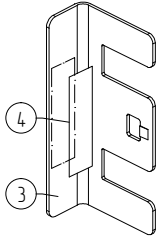


Installation scheme of AYPC.W72.0953K kit for additional glazing fixation for 26, 28 mm infill unit thickness

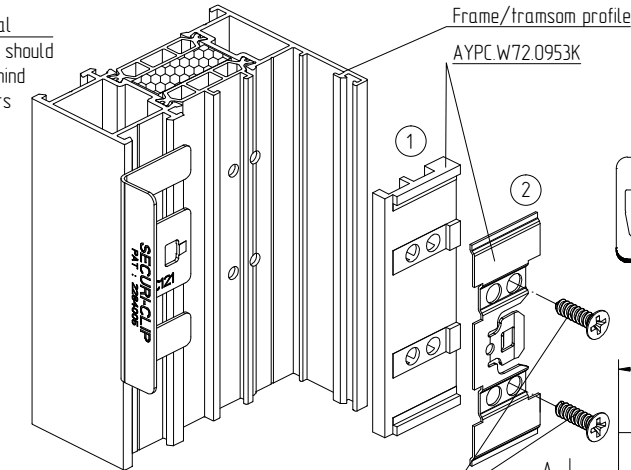
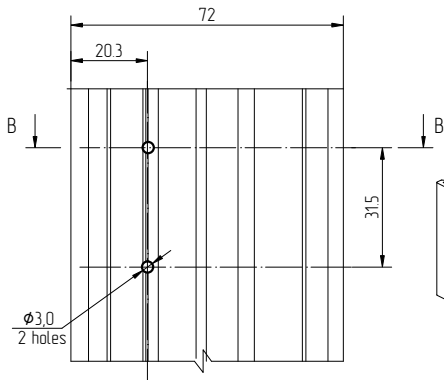
PAS24



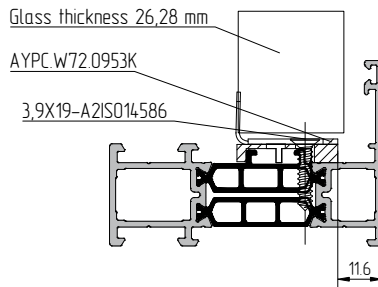
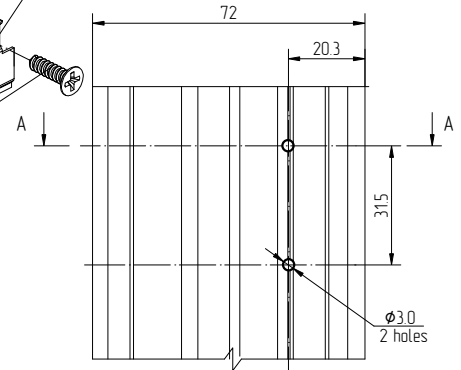
Before the item ③ installation please put a sticky tape ④ from the inside (remove the protective layer first)



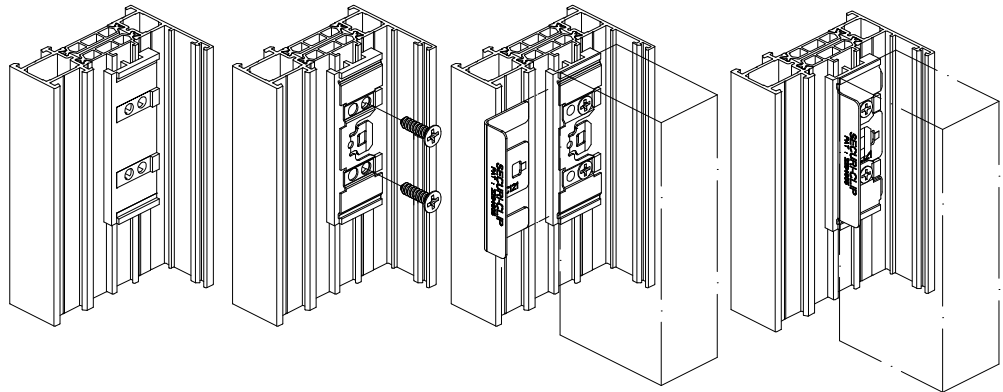
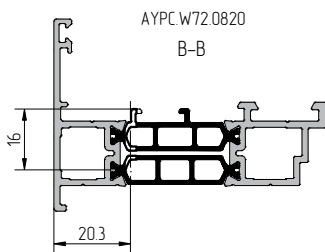
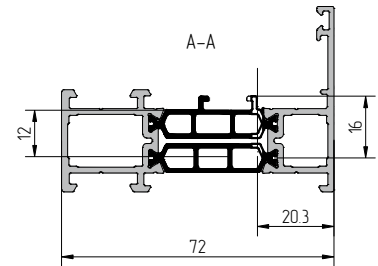
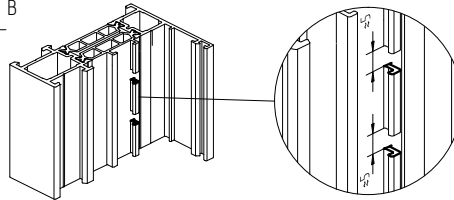
Adapter profile machining



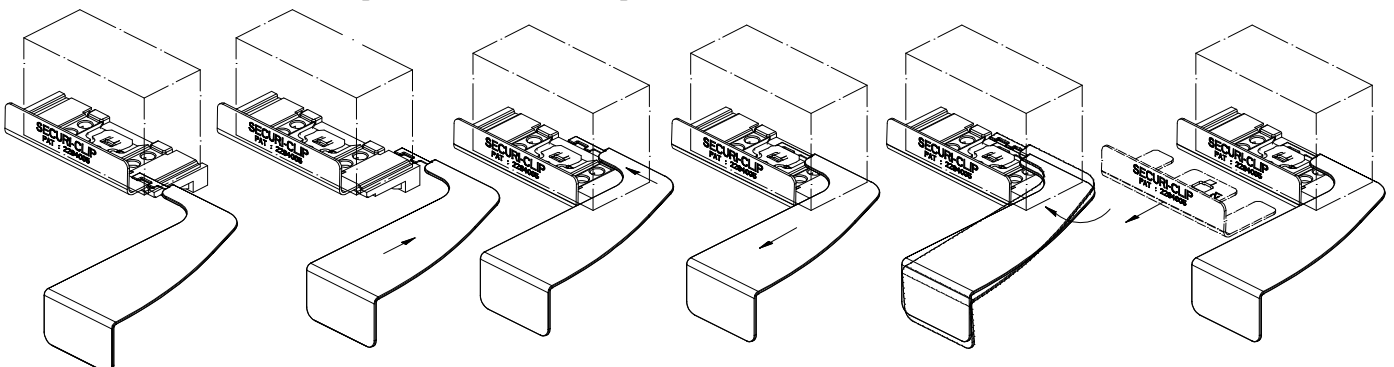
Frame profile machining



Cut the polyamide if it necessary



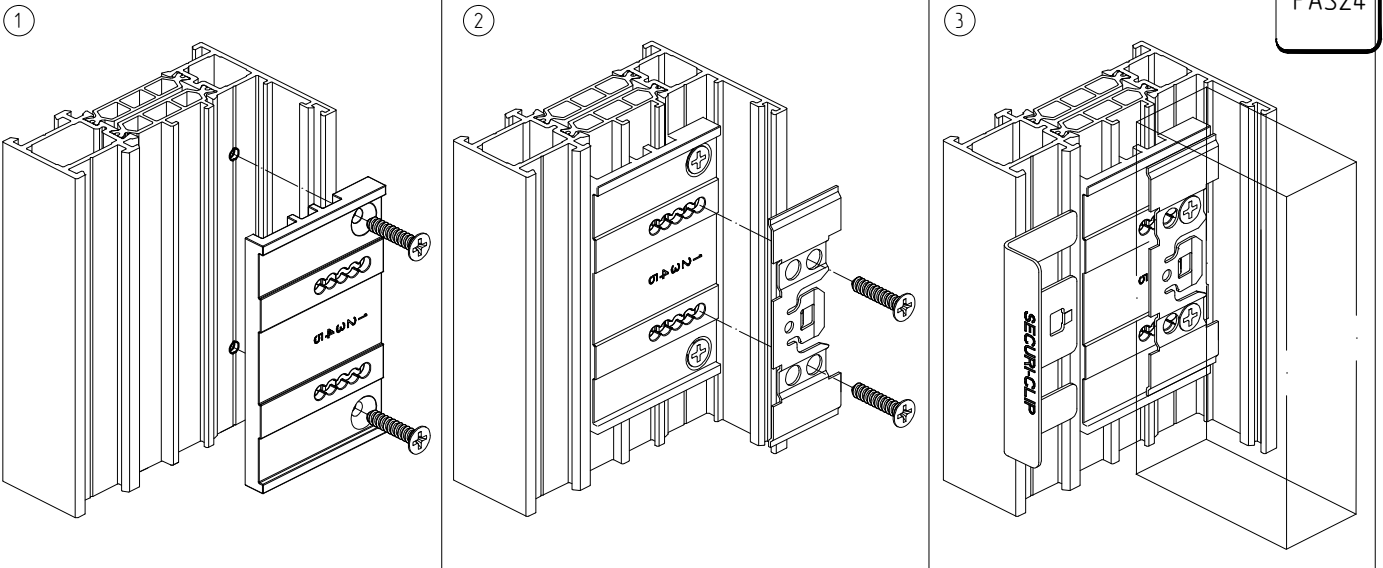
Glazing removal scheme using the removal tool kit AYPC.W73.0922K



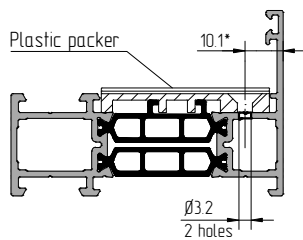


Installation of AYPC.W72.0954K kit for additional glazing fixation.

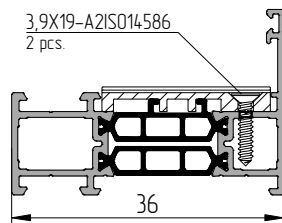
PAS24



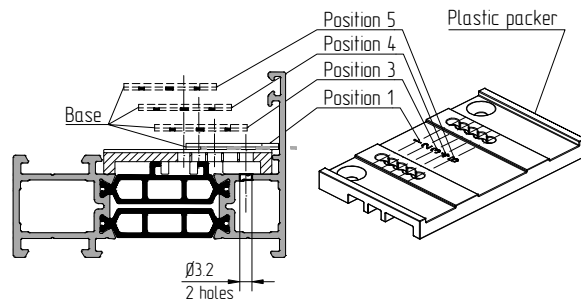
① Plastic packer installation.



\* Dimension for reference. Make holes after packer installation.



② Base installation.



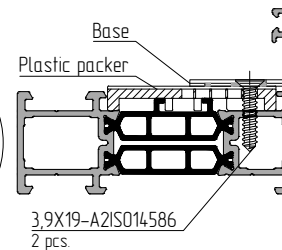
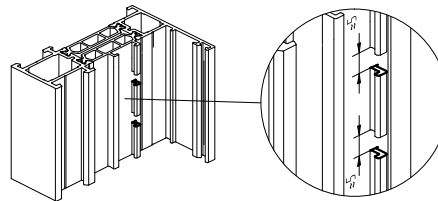
Base installation position depends on the infill unit thickness

Infill unit thickness, mm	20	22	24	30	32	34	36	38	40
Base installation position	1		3		4		5		



For 26, 28 mm infill unit thickness use AYPC.W72.0953K kit

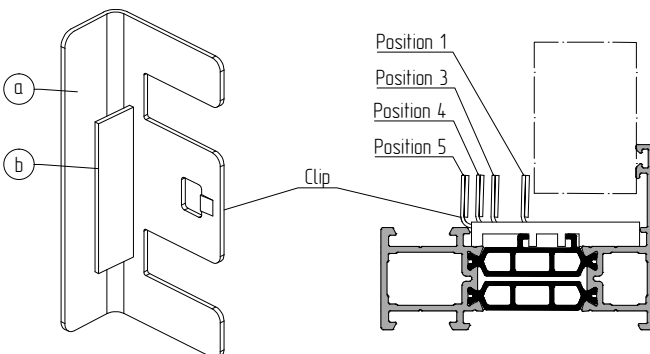
For position 4 cut the polyamide if it necessary



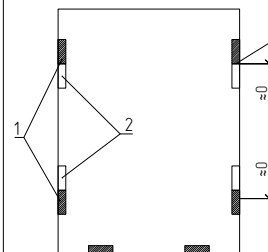
③ Clip installation



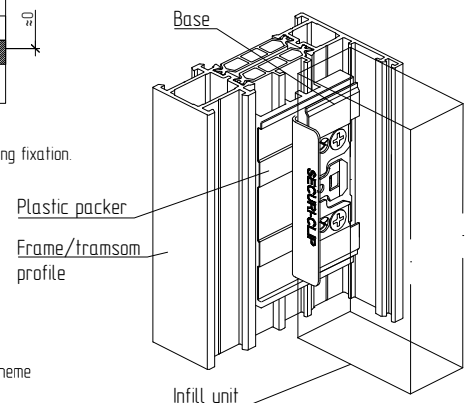
Before clip installation please put a sticky tape from the inside, to prevent glass damage.



Kit for additional glazing fixation should be installed behind bearing supports



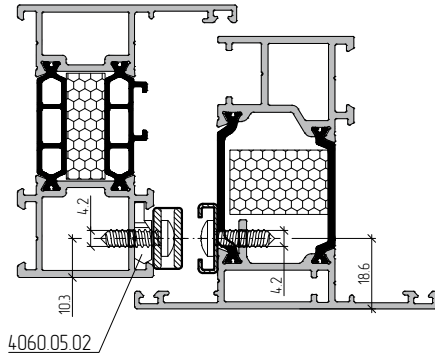
- 1 - bearing support;
- 2 - kit for additional glazing fixation.



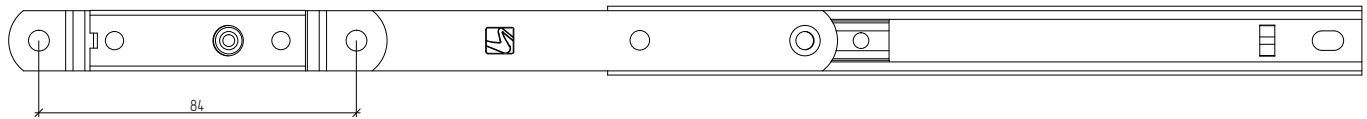
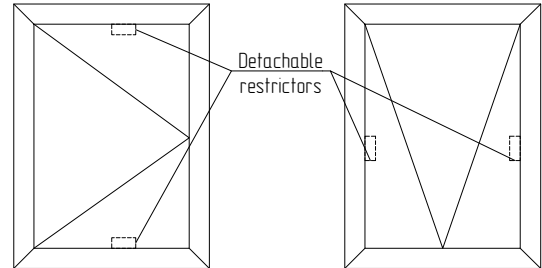
Glazing removal scheme

Detachable restrictors installation on the frame/sash

Frame and sash profile machining for 4,8x16-A2ISO14585



Detachable restrictors allocation scheme



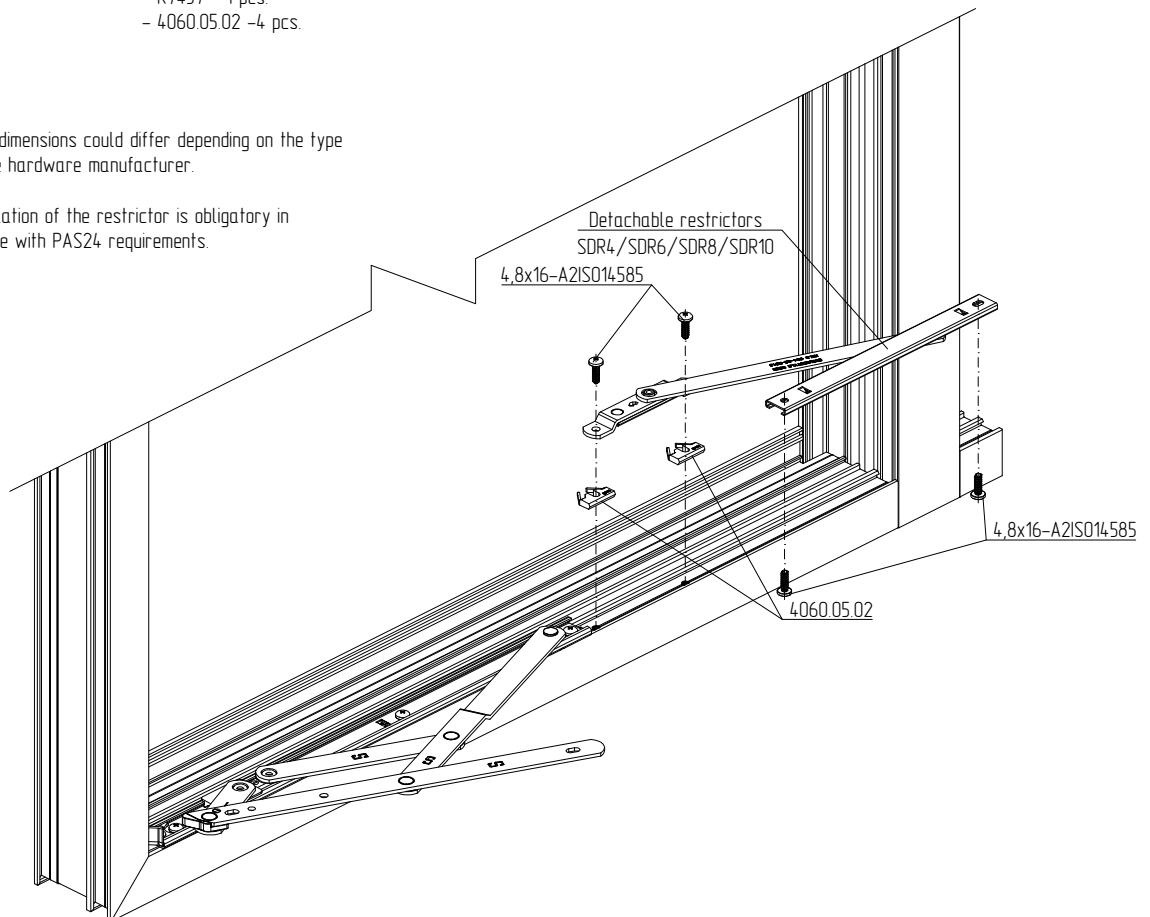
Detachable restrictors (PAS24) (Securistyle) (by matching):

- SDR4 - 2 pcs.
- SDR6 - 2 pcs.
- SDR8 - 2 pcs.
- SDR10 - 2 pcs.
- R7437 - 1 pcs.
- 4060.05.02 - 4 pcs.

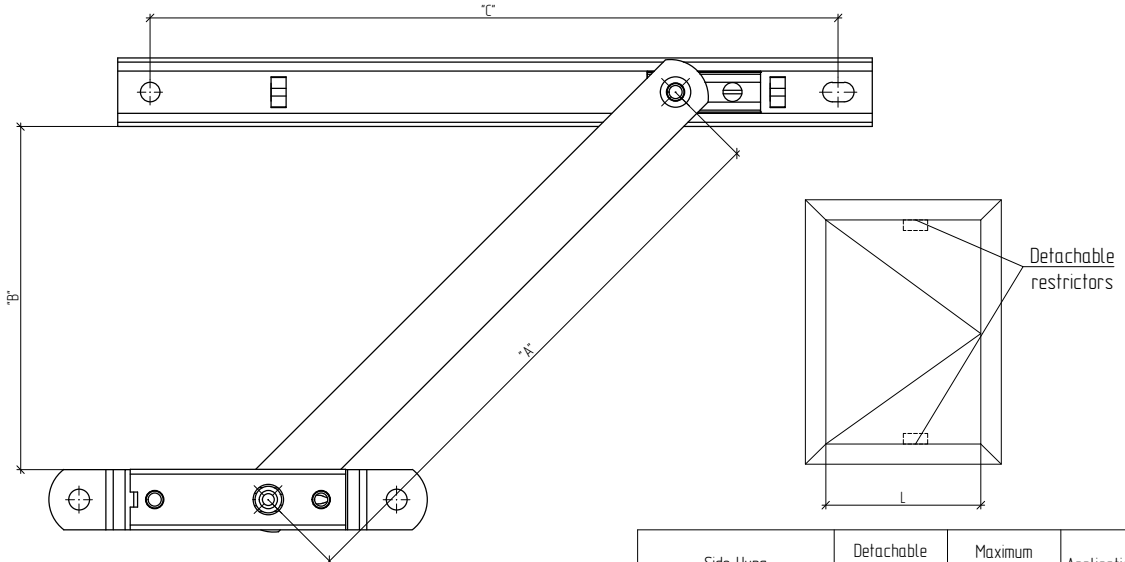


Machining dimensions could differ depending on the type and on the hardware manufacturer.

The installation of the restrictor is obligatory in accordance with PAS24 requirements.



Opening stop application depending on the window type

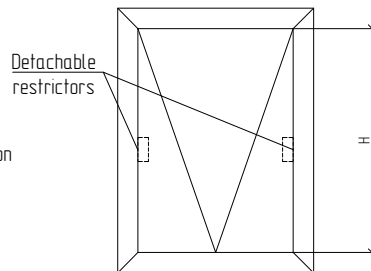


Detachable restrictors (PAS24) (Securistyle)	"A", mm	"B", mm	"C", mm
SDR4	1016	54.8	132
SDR6	1524	90.7	182
SDR8	2038	126.9	182
SDR10	254	128.6	232

Side Hung (KIT A & B)		Detachable restrictors (Securistyle)	Maximum admissible "B" opening, mm	Application L, mm
"Defender" friction hinges	EDS12H6	SDR4	54.8	505..552
		SDR6	90.7	553..600
	EDS16H6	SDR4	54.8	605..652
		SDR6	90.7	653..700
"Sterling" friction hinges	SPS10	SDR4	54.8	462..512
		SDR6	90.7	513..564
		SDR8	126.9	565..614
		SDR10	128.6	615..660
"Sterling" friction hinges	SPSH16	SDR4	54.8	610..657
		SDR6	90.7	658..710
		SDR8	126.9	711..758
		SDR10	128.6	759..838



Machining dimensions could differ depending on the type and on the hardware manufacturer

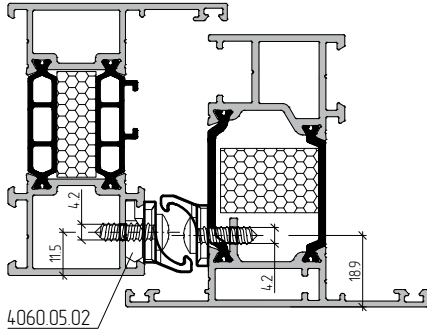


Top Hung (Kit A & B)		Detachable restrictors (Securistyle)	Maximum admissible "B" opening, mm	Application H, mm
"Defender" friction hinges	EDT16H6	SDR4	54.8	607..654
		SDR6	90.7	655..700
	EDT20H6	SDR4	54.8	708..756
		SDR6	90.7	757..810
		SDR8	126.9	811..857
		SDR10	128.6	858..1090
"Sterling" friction hinges	EDT24H6 EDTH24H6	SDR4	54.8	850..899
		SDR6	90.7	900..952
		SDR8	126.9	953..999
		SDR10	128.6	1000..1090
	SPT10	SDR4	54.8	456..503
		SDR6	90.7	504..557
SPT12	SDR8	126.9	558..605	
	SDR10	128.6	606..635	
SPT16	SDR6	90.7	636..787	
	SDR6	90.7	788..1090	

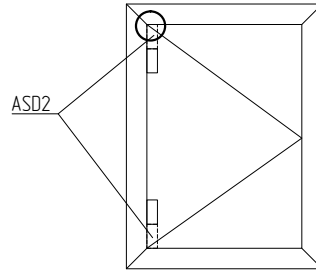
Top Hung (Kit C & D)		Detachable restrictors (Securistyle)	Maximum admissible "B" opening, mm	Application H, mm
"Defender" friction hinges	EDT24H6	SDR6	90.7	1091..1300
	EDTH24H6	SDR6	90.7	1091..1500
"Sterling" friction hinges	SPT22	SDR6	90.7	1091..1500
	SPT22W	SDR6	90.7	1501..2000
	SPT26	SDR6	90.7	2001..2200

PAS24 Configuration Details  
Securistyle Excluders installation on the frame/sash

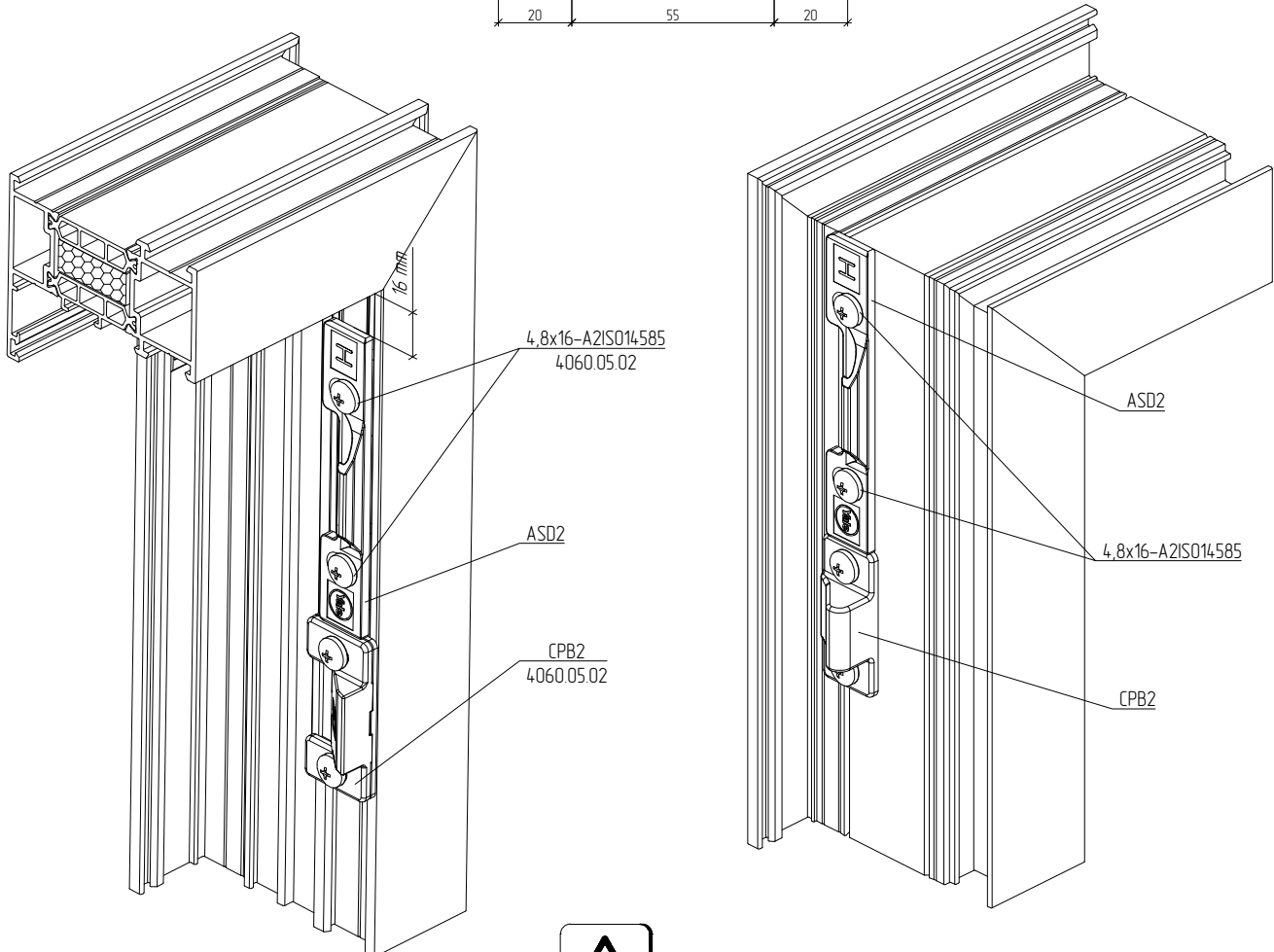
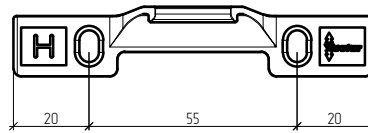
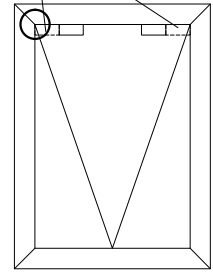
Frame and sash profile machining for 4,8x16-A2ISO14585



Securistyle Excluders allocation scheme



ASD2



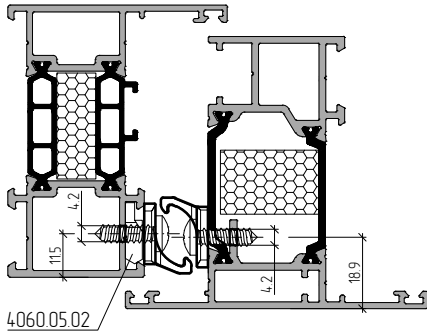
4 pcs of ASD-ST1 per each frame/sash



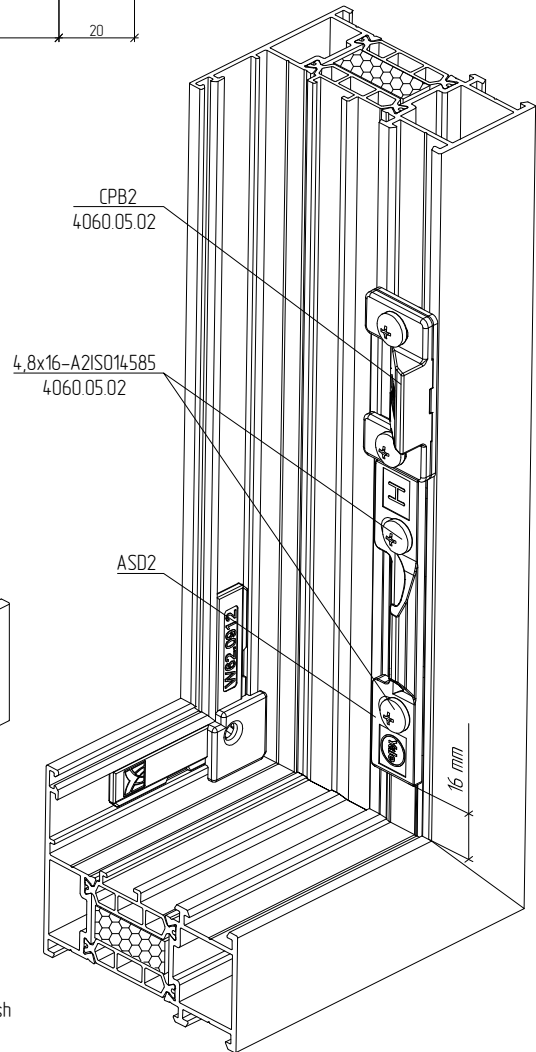
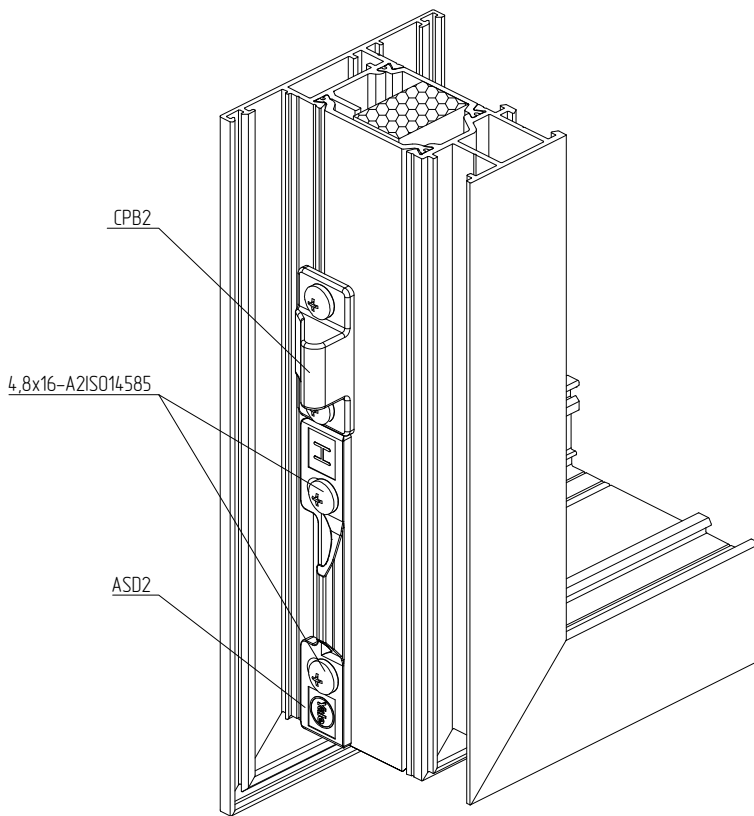
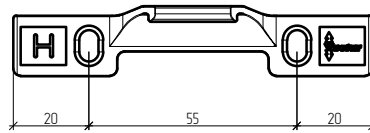
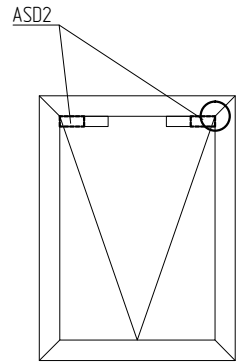
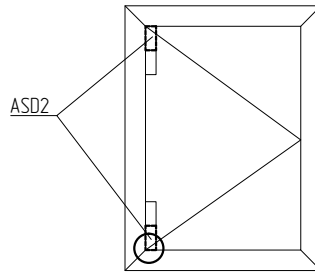
Machining dimensions could differ depending on the type and on the hardware manufacturer

PAS24 Configuration Details  
Securistyle Excluders installation on the frame/sash

Frame and sash profile machining for 4,8x16-A2ISO14585



Securistyle Excluders allocation scheme



4 pcs of ASD-ST1 per each frame/sash



Machining dimensions could differ depending on the type and on the hardware manufacturer



**ALUTECH ALTW72 CW**  
Window system with  
thermal break

# EQUIPMENT

01

02

03

04

05

06

07

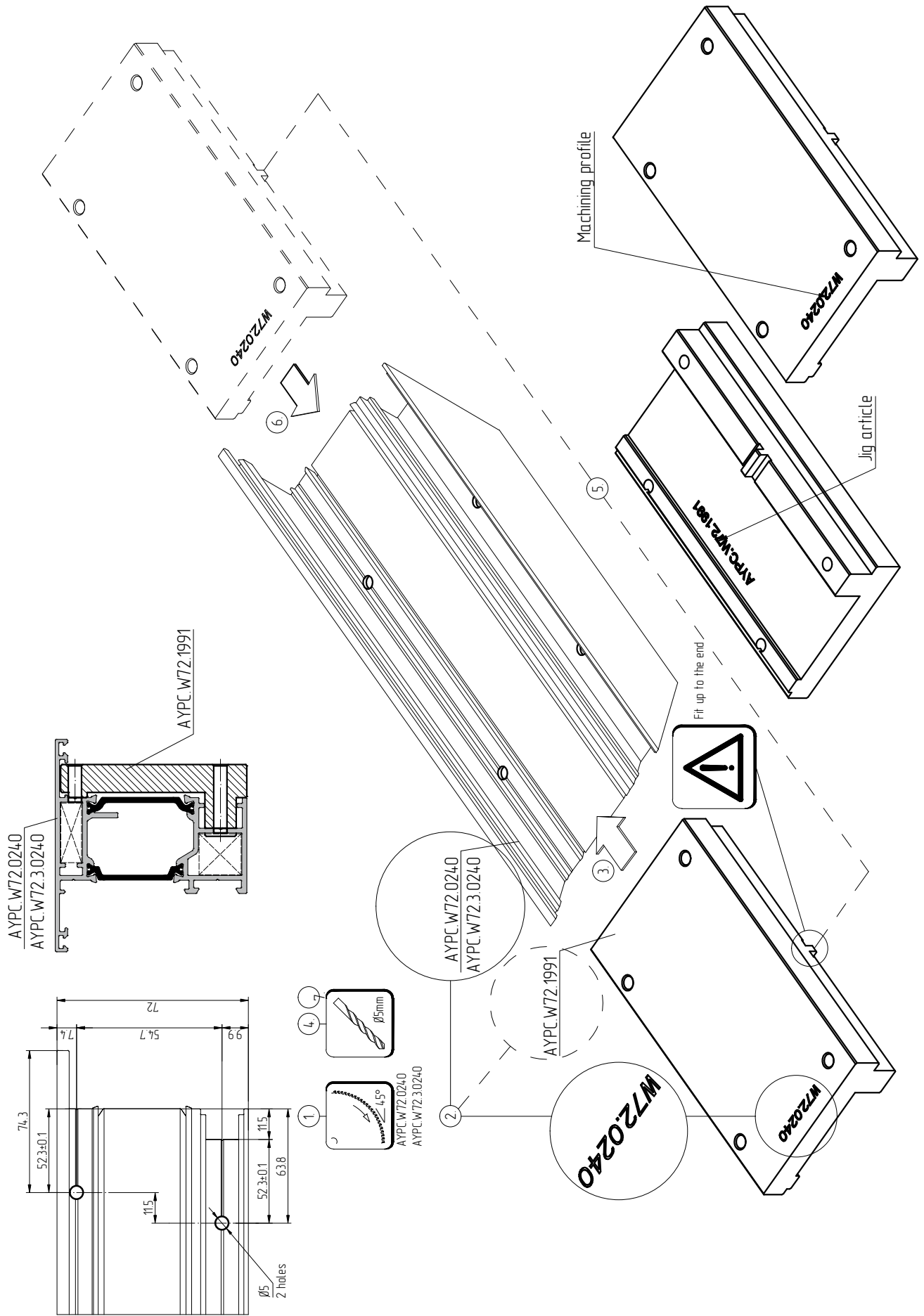
08

09

10

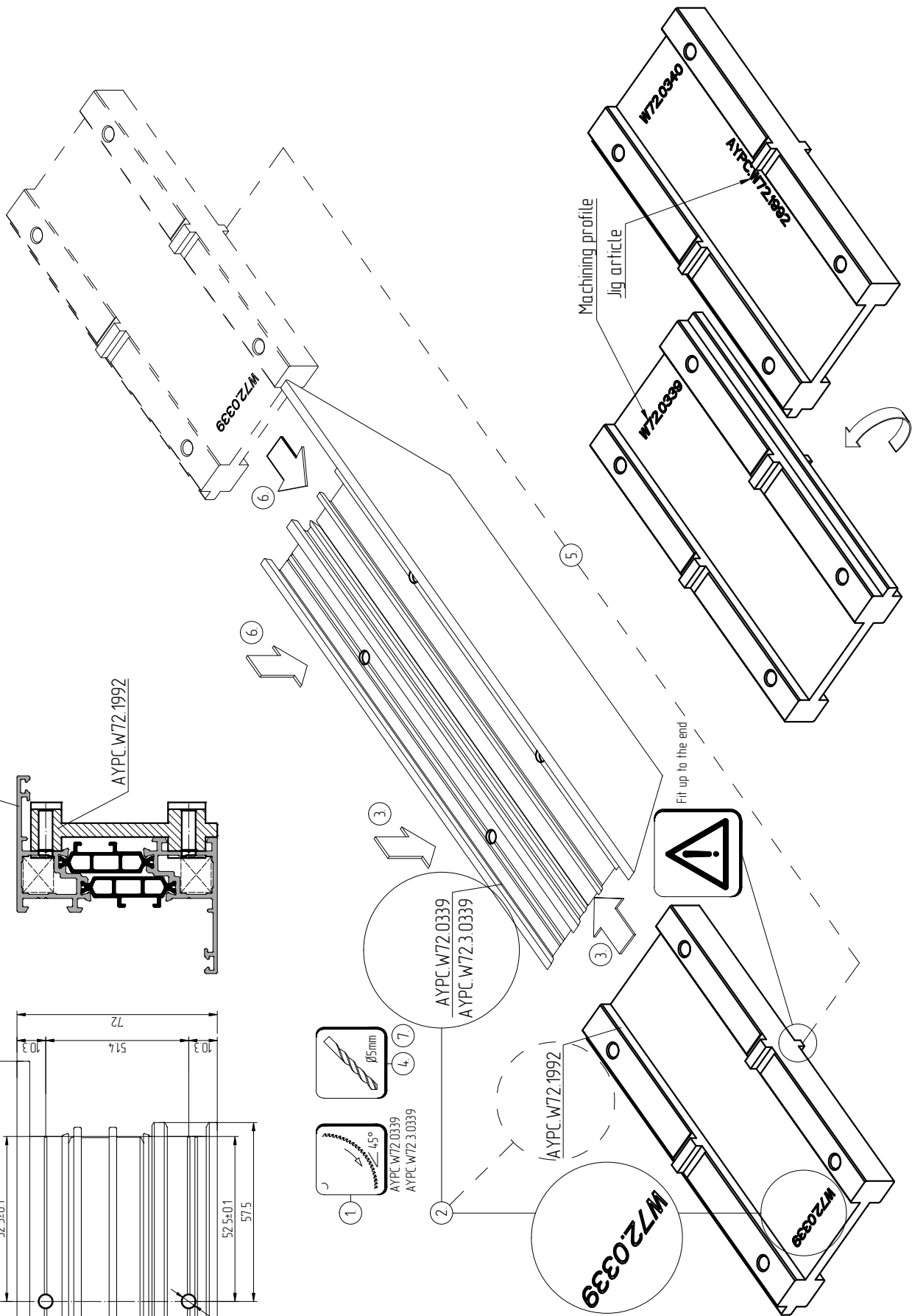
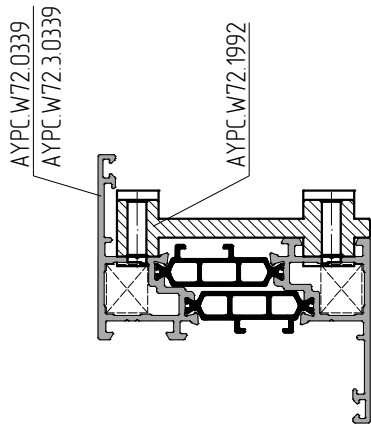
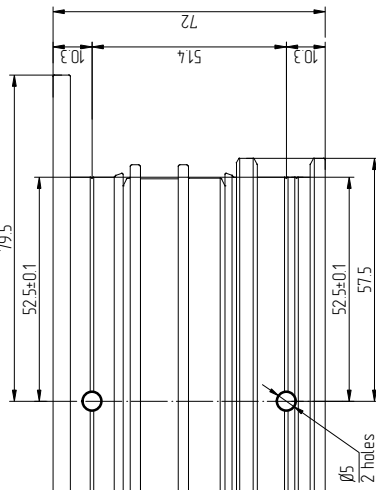


Jig article: AYPC.W72.1991  
Machining profiles: AYPC.W72.0240, AYPC.W72.3.0240

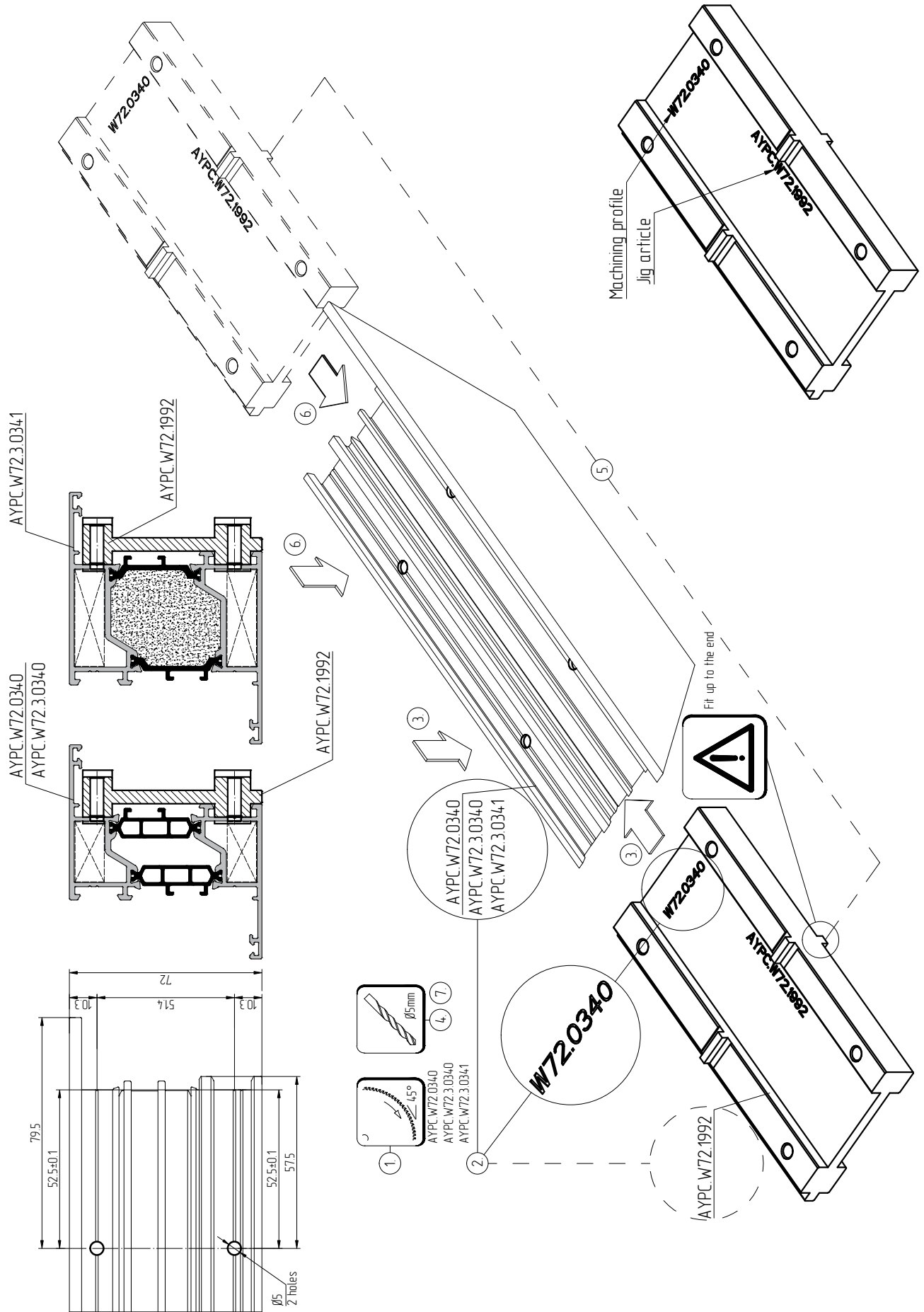




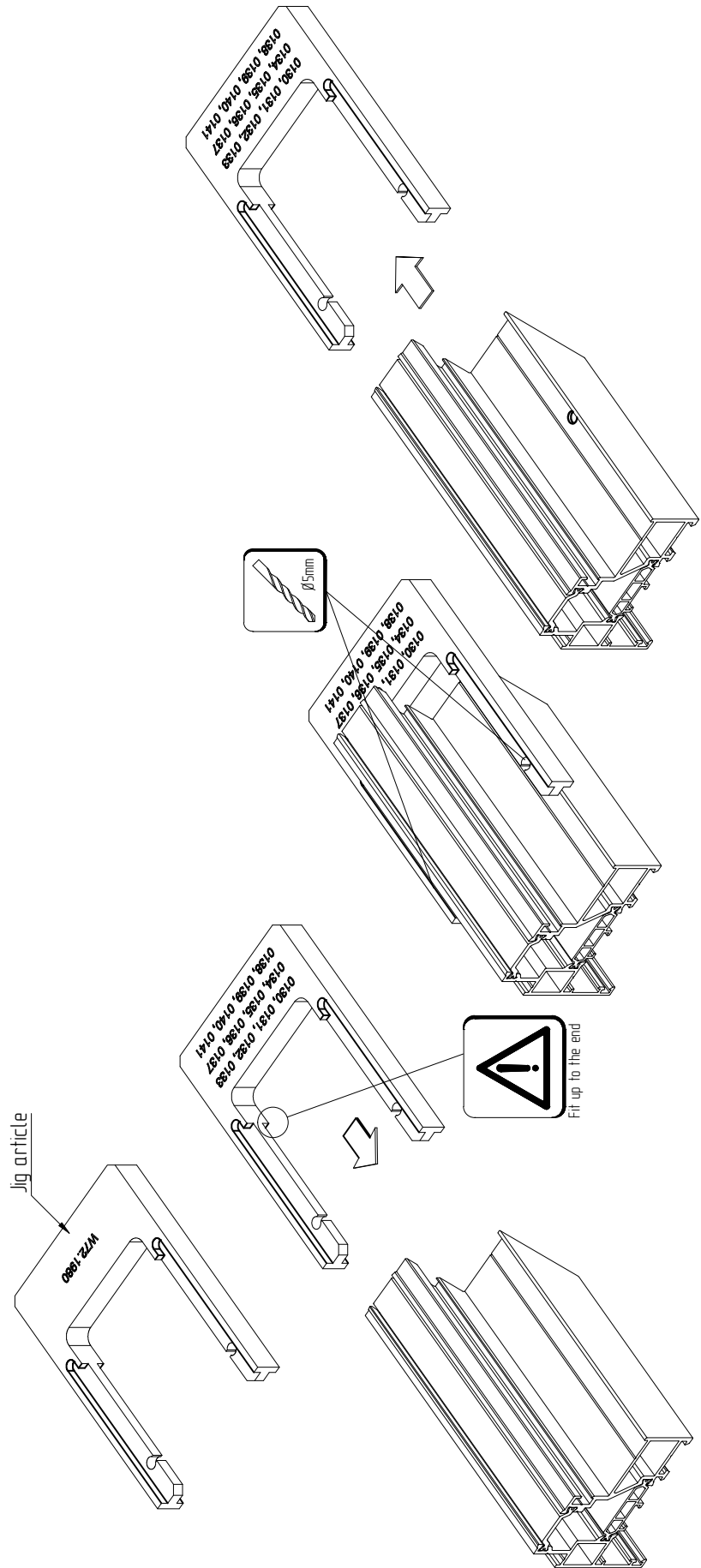
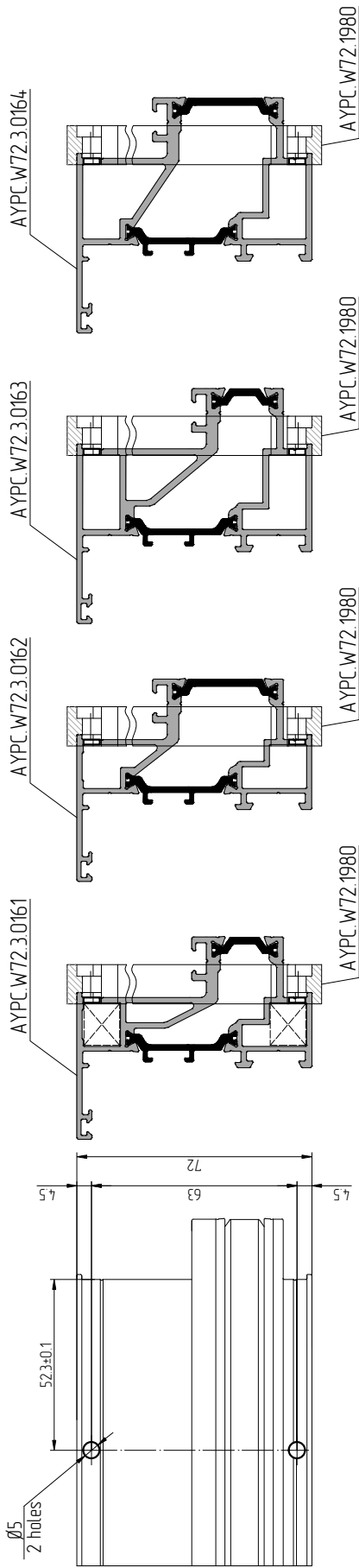
Jig article: AYPC.W72.1992  
Machining profiles: AYPC.W72.0339, AYPC.W72.3.0339



Jig article: AYPC.W72.1992  
 Machining profiles: AYPC.W72.0340, AYPC.W72.3.0340, AYPC.W72.3.0341



Jig article: AYPC.W72.1980  
Machining profiles: AYPC.W72.3.0161, AYPC.W72.3.0162, AYPC.W72.3.163, AYPC.W72.3.0164



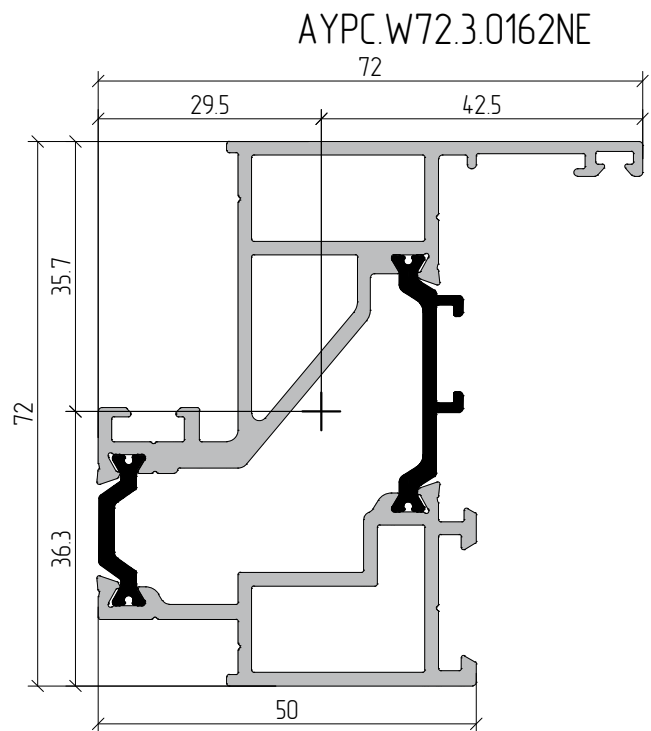
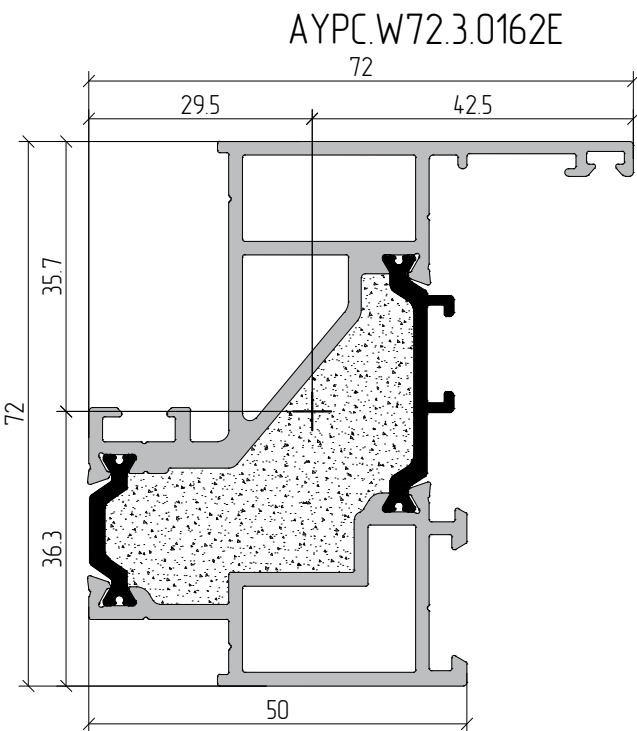
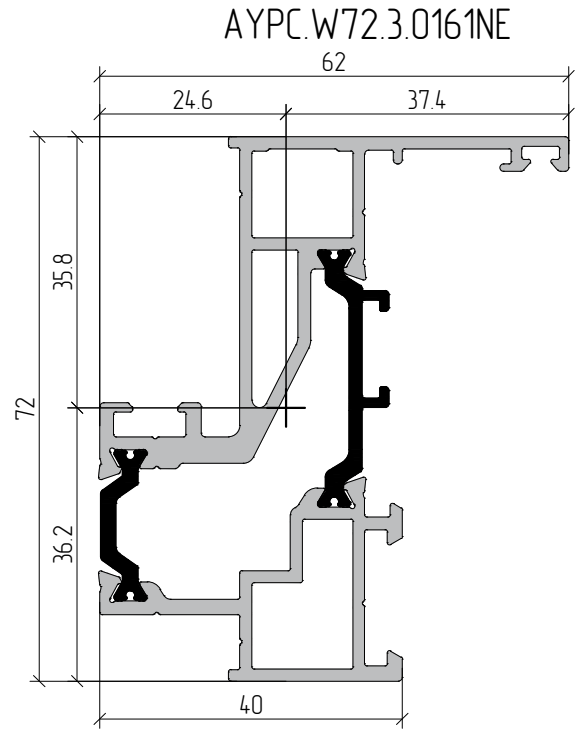
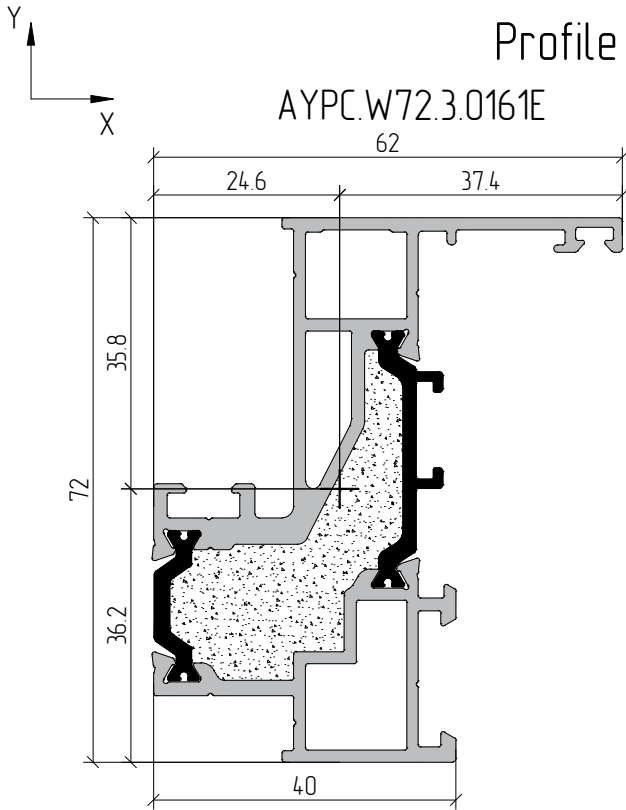


**ALUTECH ALTW72 CW**  
Window system with  
thermal break

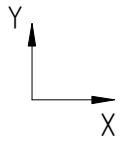
# STATICS



### Profile geometry data

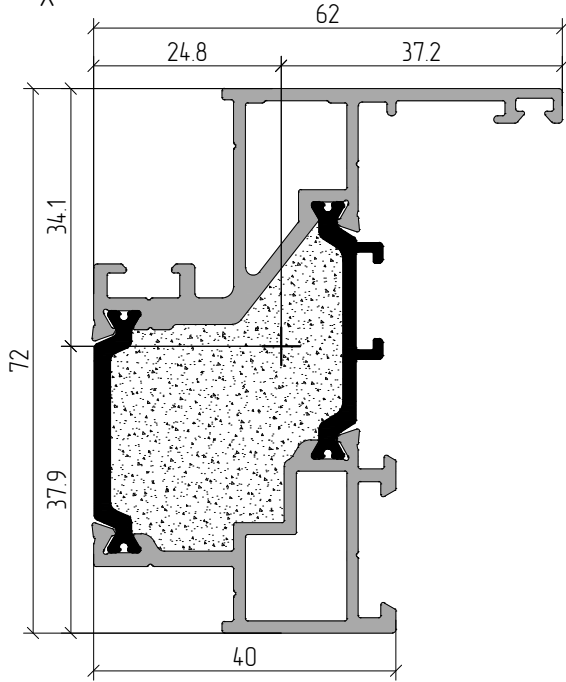


Profile	t, kg/rm	S, mm <sup>2</sup>	Jx, cm <sup>4</sup>	Wx, cm <sup>3</sup>	ax, mm	Jy, cm <sup>4</sup>	Wy, cm <sup>3</sup>	ay, mm
AYPC.W72.3.0161E	1.71	684.6	22.4	6.2	37.4	9.5	2.5	36.2
AYPC.W72.3.0161NE	1.67							
AYPC.W72.3.0162E	2.05	798.1	28.6	7.9	42.5	16.9	4.0	36.3
AYPC.W72.3.0162NE	1.98							

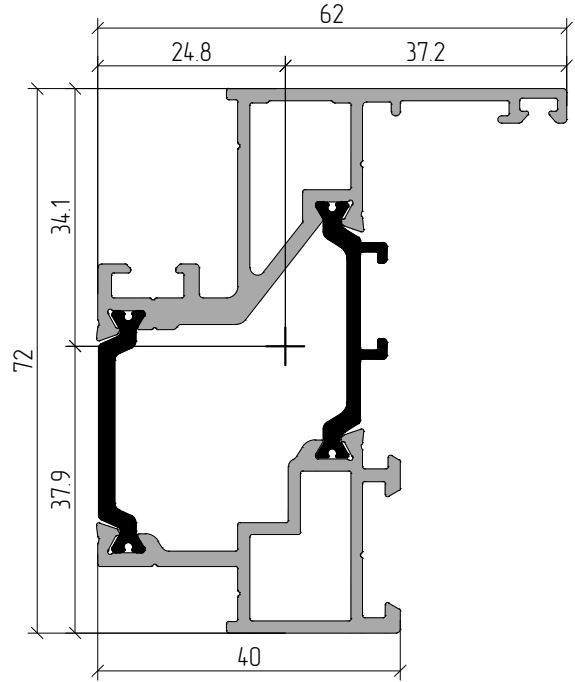


Profile geometry data

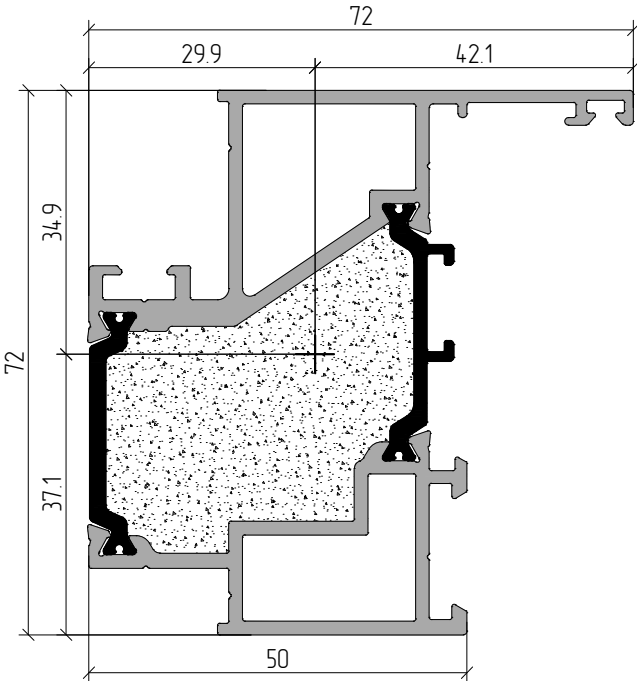
AYPC.W72.3.0163E



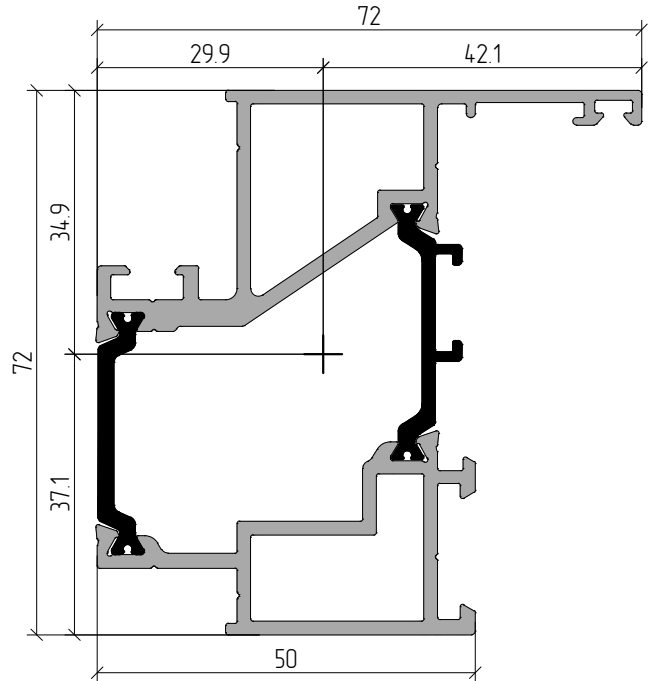
AYPC.W72.3.0163NE



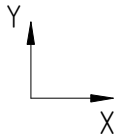
AYPC.W72.3.0164E



AYPC.W72.3.0164NE

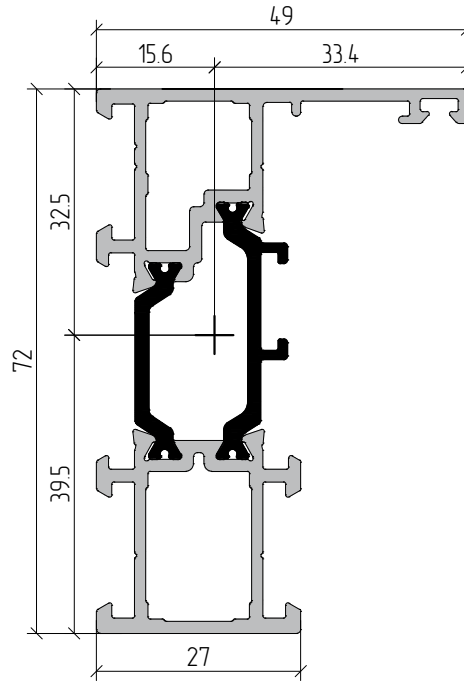


Profile	t, kg/rm	S, mm <sup>2</sup>	Jx, cm <sup>4</sup>	Wx, cm <sup>3</sup>	ax, mm	Jy, cm <sup>4</sup>	Wy, cm <sup>3</sup>	ay, mm
AYPC.W72.3.0163E	1.64	659.6	22.1	5.8	37.2	9.4	2.5	37.9
AYPC.W72.3.0163NE	1.58							
AYPC.W72.3.0164E	1.92	726.3	27.7	7.5	42.1	16.5	3.9	37.1
AYPC.W72.3.0164NE	1.83							

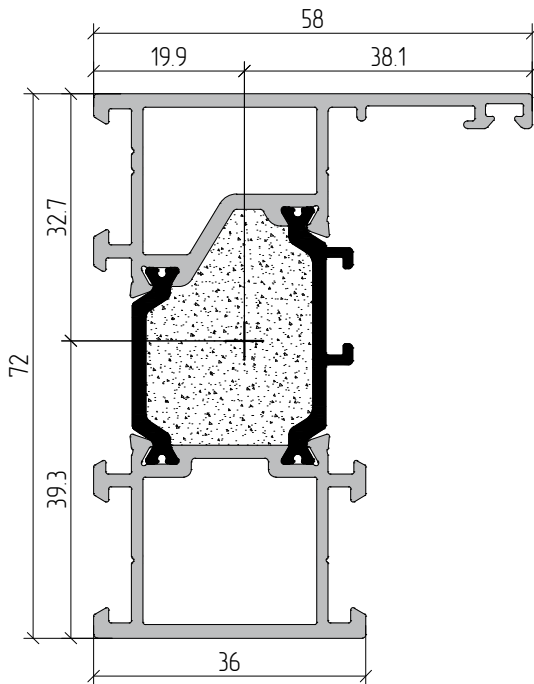


### Profile geometry data

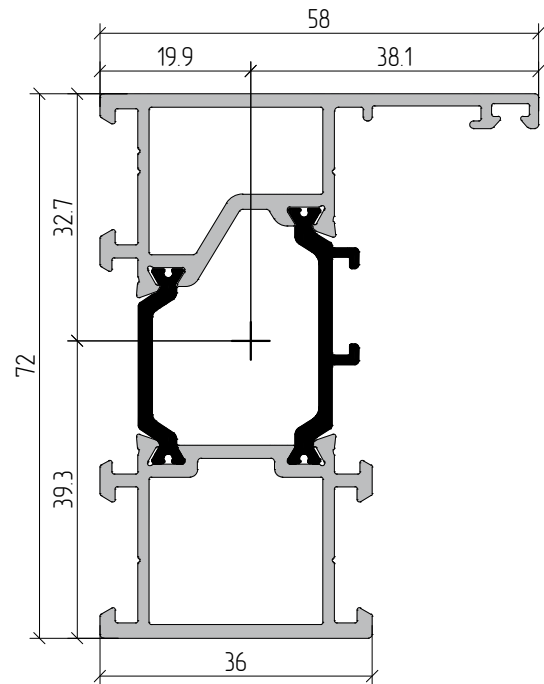
AYPC.W72.3.0165E



AYPC.W72.3.0166E



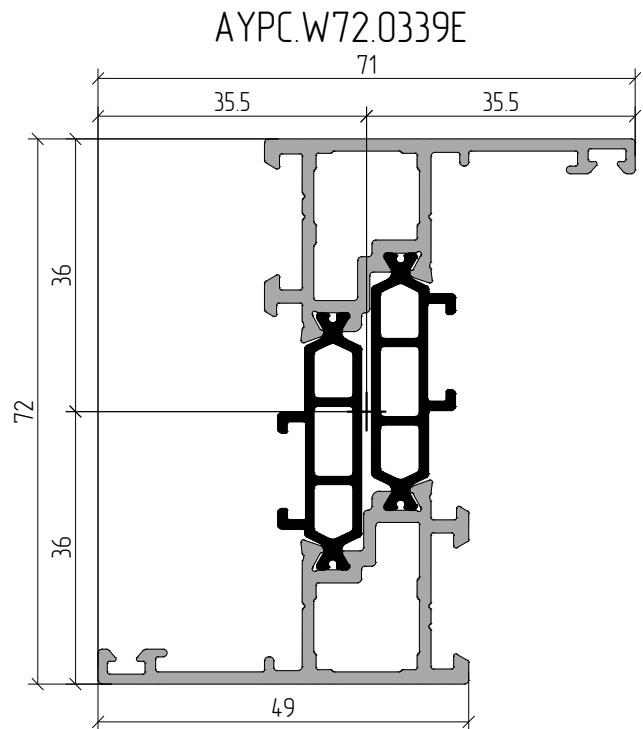
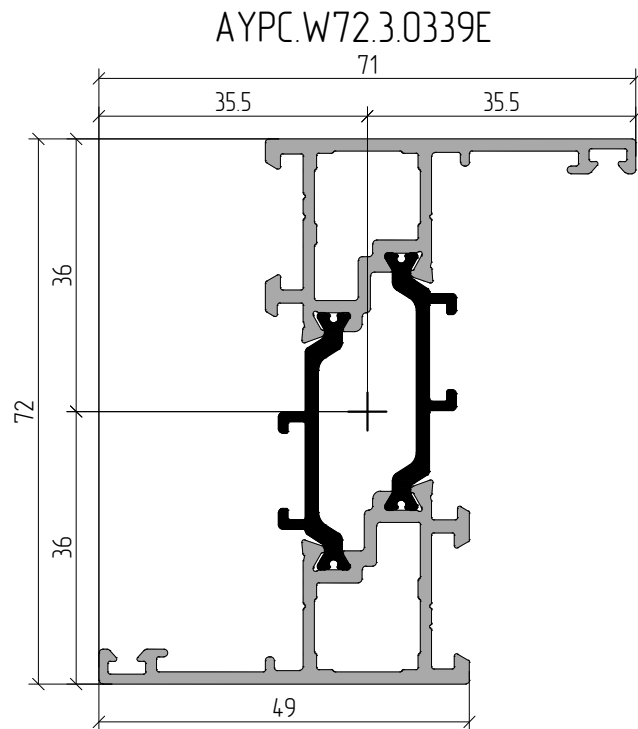
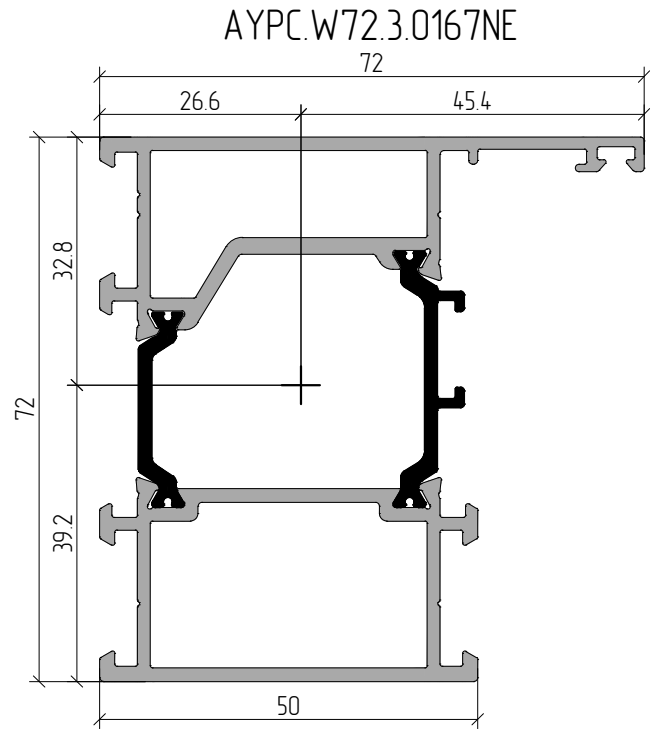
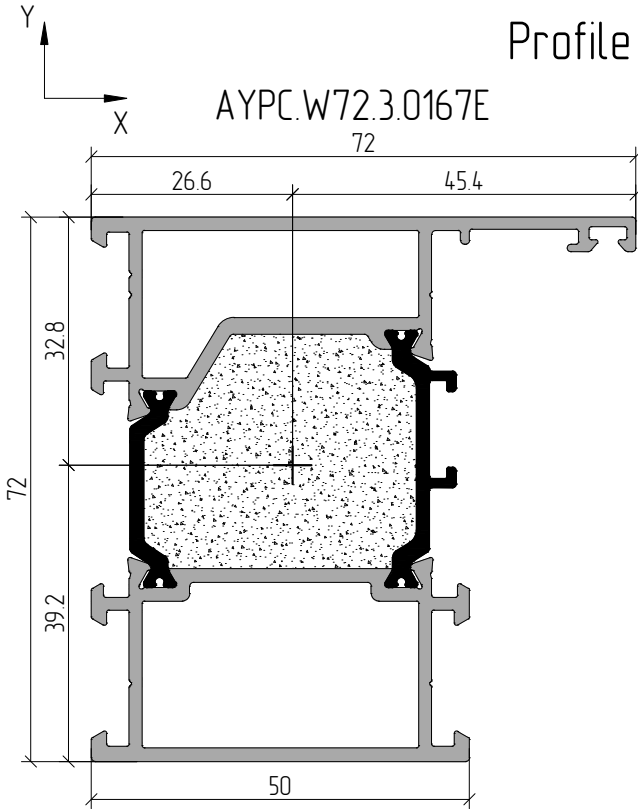
AYPC.W72.3.0166NE



Profile	t, kg/rm	S, mm <sup>2</sup>	Jx, cm <sup>4</sup>	Wx, cm <sup>3</sup>	ax, mm	Jy, cm <sup>4</sup>	Wy, cm <sup>3</sup>	ay, mm
AYPC.W72.3.0165E	1.35	566.3	21.9	5.5	33.4	5.4	1.6	39.5
AYPC.W72.3.0166E	1.57	633.8	25.6	6.5	38.1	9.7	2.5	39.3
AYPC.W72.3.0166NE	1.53							

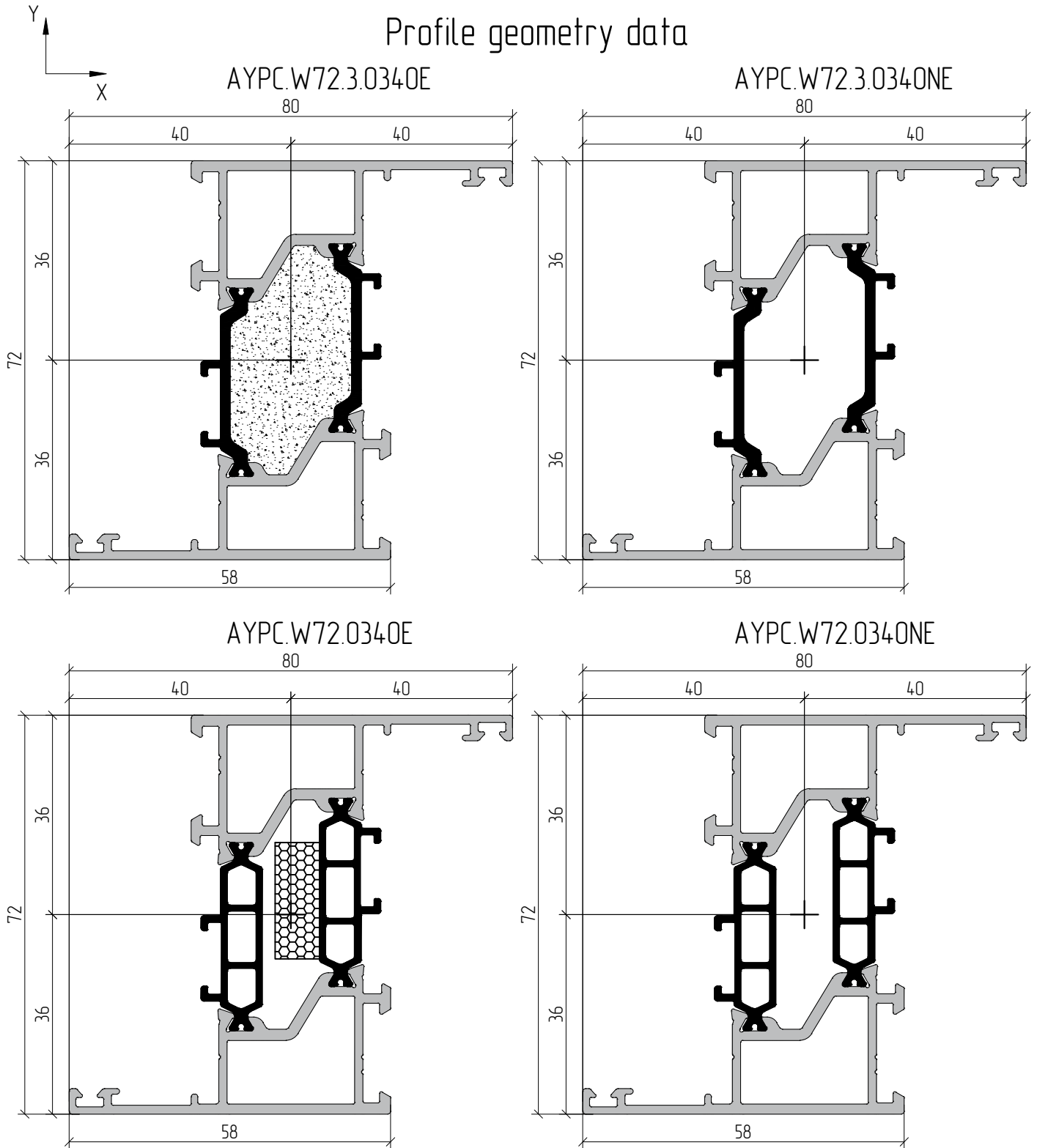


Profile geometry data

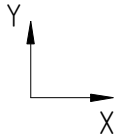


Profile	t, kg/rm	S, mm <sup>2</sup>	Jx, cm <sup>4</sup>	Wx, cm <sup>3</sup>	ax, mm	Jy, cm <sup>4</sup>	Wy, cm <sup>3</sup>	ay, mm
AYPC.W72.3.0167E	1.94	757.0	32.3	8.2	45.4	21.0	4.6	39.2
AYPC.W72.3.0167NE	1.86							
AYPC.W72.3.0339E	1.46	620.0	26.5	7.4	35.5	8.5	2.4	36.0
AYPC.W72.0339E	1.53	665.3						

Profile geometry data

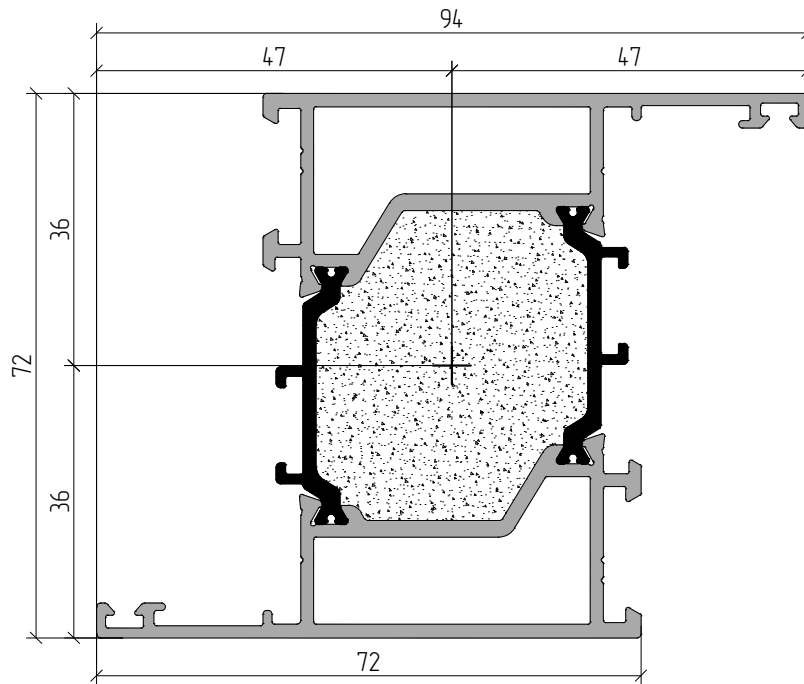


Profile	t, kg/rm	S, mm <sup>2</sup>	Jx, cm <sup>4</sup>	Wx, cm <sup>3</sup>	ax, mm	Jy, cm <sup>4</sup>	Wy, cm <sup>3</sup>	ay, mm
AYPC.W72.3.0340E	1.70	690.8	30.5	8.5	40.0	13.7	3.4	36.0
AYPC.W72.3.0340NE	1.65							
AYPC.W72.0340E	1.71	736.0						
AYPC.W72.0340NE	1.71							

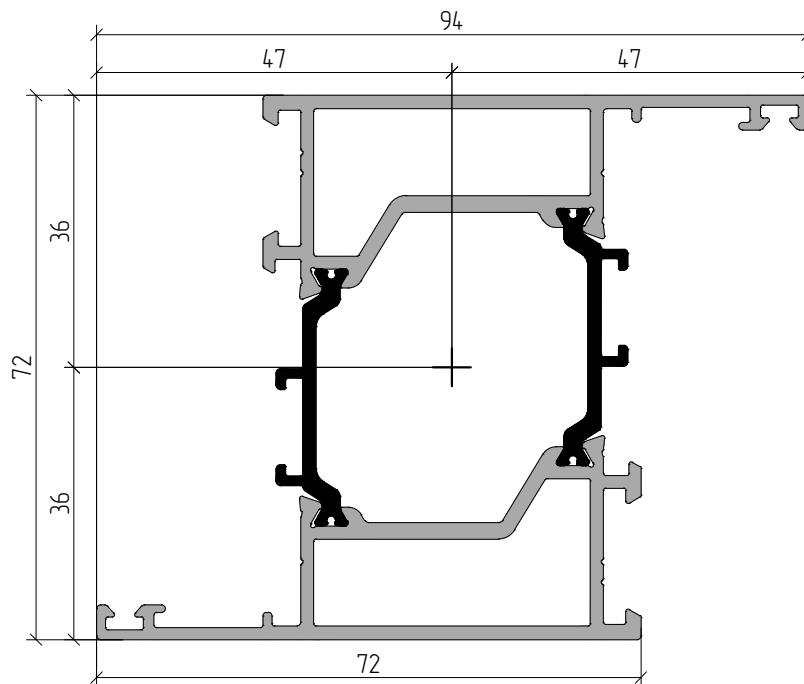


### Profile geometry data

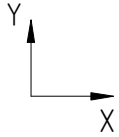
AYPC.W72.3.034.1E



AYPC.W72.3.034.1NE

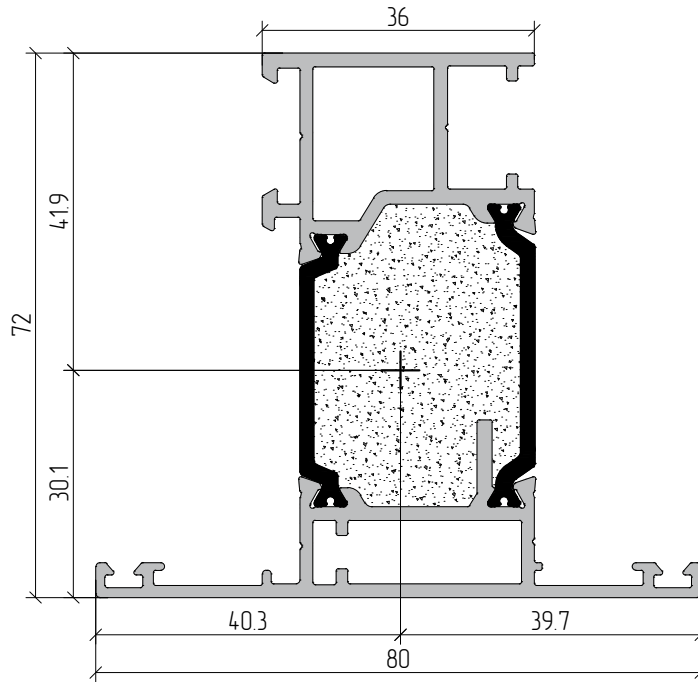


Profile	t, kg/m	S, mm <sup>2</sup>	Jx, cm <sup>4</sup>	Wx, cm <sup>3</sup>	ax, mm	Jy, cm <sup>4</sup>	Wy, cm <sup>3</sup>	ay, mm
AYPC.W72.3.034.1E	2.08	815.2	38.0	10.5	47.0	26.4	5.6	36.0
AYPC.W72.3.034.1NE	1.98							

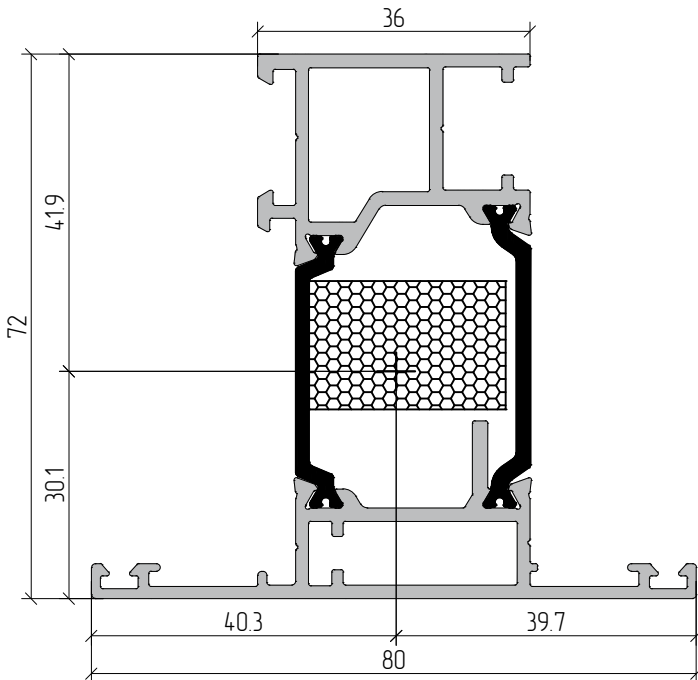


### Profile geometry data

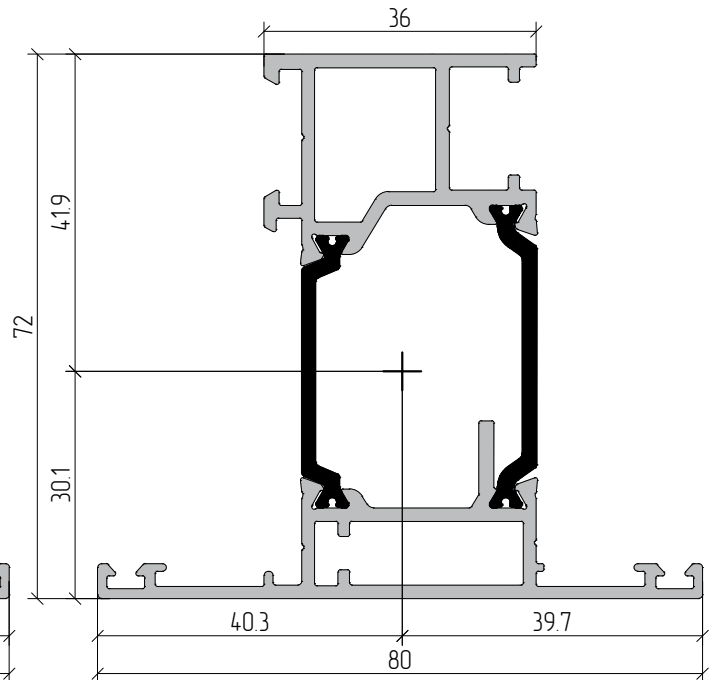
AYPC.W72.3.0240E



AYPC.W72.0240E

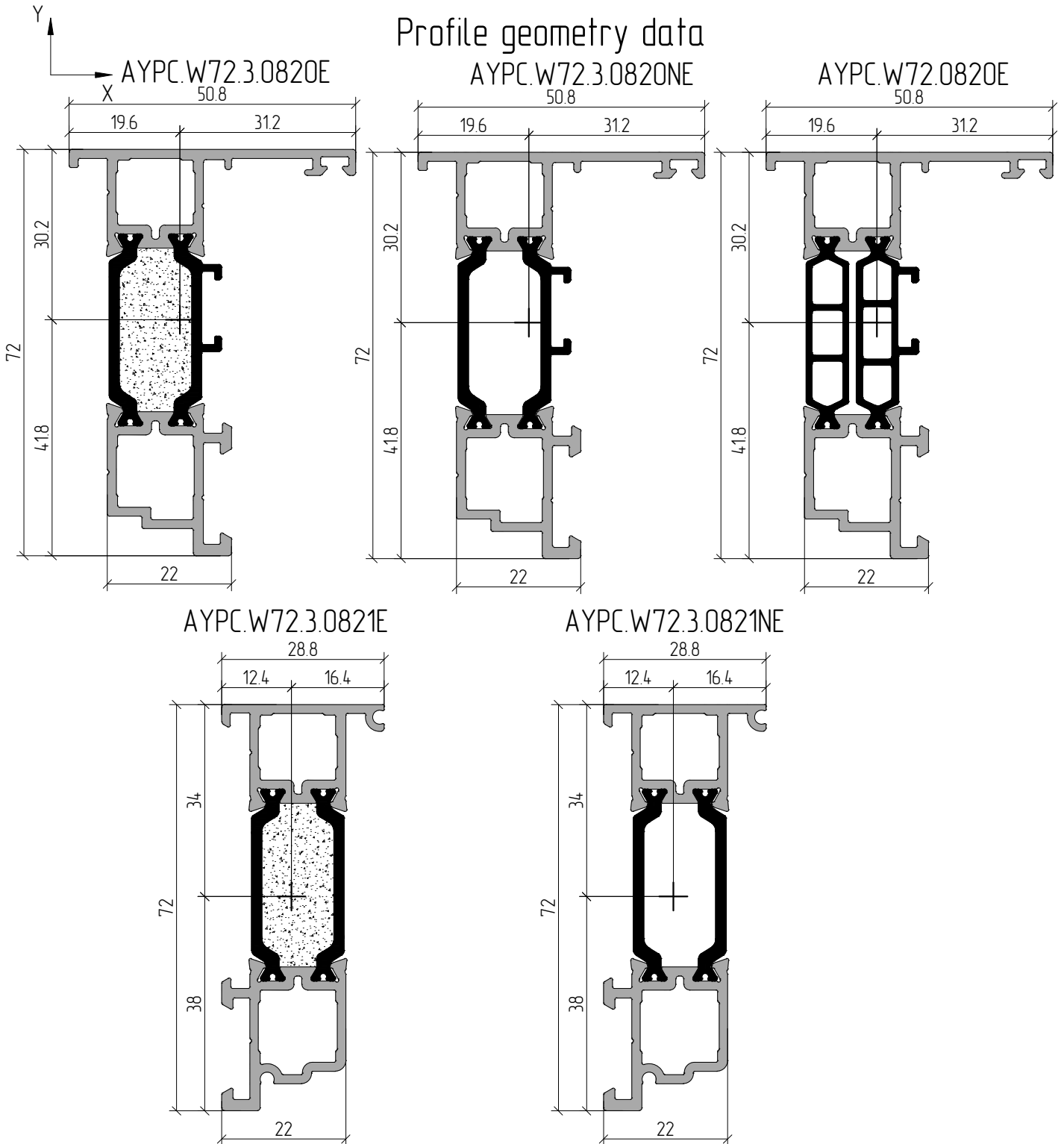


AYPC.W72.0240NE



Profile	t, kg/rm	S, mm <sup>2</sup>	Jx, cm <sup>4</sup>	Wx, cm <sup>3</sup>	ax, mm	Jy, cm <sup>4</sup>	Wy, cm <sup>3</sup>	ay, mm
AYPC.W72.3.0240E	1.75	709.7	30.7	7.3	40.3	14.2	3.5	419
AYPC.W72.0240E	1.69							
AYPC.W72.0240NE	1.68							

Profile geometry data



Profile	t, kg/rm	S, mm <sup>2</sup>	Jx, cm <sup>4</sup>	Wx, cm <sup>3</sup>	ax, mm	Jy, cm <sup>4</sup>	Wy, cm <sup>3</sup>	ay, mm
AYPC.W72.3.0820E	1.21	515.3	18.5	4.4	31.2	4.3	1.4	41.8
AYPC.W72.3.0820NE	1.19							
AYPC.W72.0820E	1.23	553.30						
AYPC.W72.3.0821E	1.08	462.6	15.3	4.0	16.4	1.7	1.0	38.0
AYPC.W72.3.0821NE	1.05							





**AluminTechno JLLC is an innovative company that designs and manufactures aluminium profile systems for architecture and construction (windows and doors, facade, interior, fire resistant and sun protection systems).**

In-house engineering center, full technical support at all stages of project realization, as well as eco-friendly full-cycle production (from smelting of primary aluminium to profile coating) ensure steady and dynamic development of AluminTechno as part of ALUTECH Group.

For over 25 years, ALUTECH Group has been investing into the development of its production capacity which now includes:

- foundry shop – more than 55,000 tons per year;
- extrusion lines – more than 50,000 tons per year;
- powder coating lines – more than 45,000 tons per year;
- anodizing complex – more than 10,000 tons per year.

Currently, AluminTechno JLLC produces over 1,000 different configurations of aluminium profiles, used in automotive and machine tools industry, aviation, energy industry, furniture and light industry, construction and architecture.

Due to the new advanced high-tech complexes operating at AluminTechno JLLC, the company can supply products to its partners in the shortest time period.

ALUTECH Quality Management System and Environmental Management System conform to the requirements of the international standards (ISO 9001:2015 and ISO 14001:2015) and are certified by TÜV INTERNATIONAL CERTIFICATION.



TÜV certificates are among the most prestigious and recognized quality documents worldwide.

High quality of polymer and anodic coatings of ALUTECH Group aluminium profiles is confirmed by Qualicoat/Seaside and Qualanod international quality certificates.



ALUTECH aluminium profiles with anodic oxide coating have reached Cradle to Cradle Certified® Silver level. It is a registered trademark of Cradle to Cradle Products Innovation Institute that confirms sustainability of the product life cycle.

