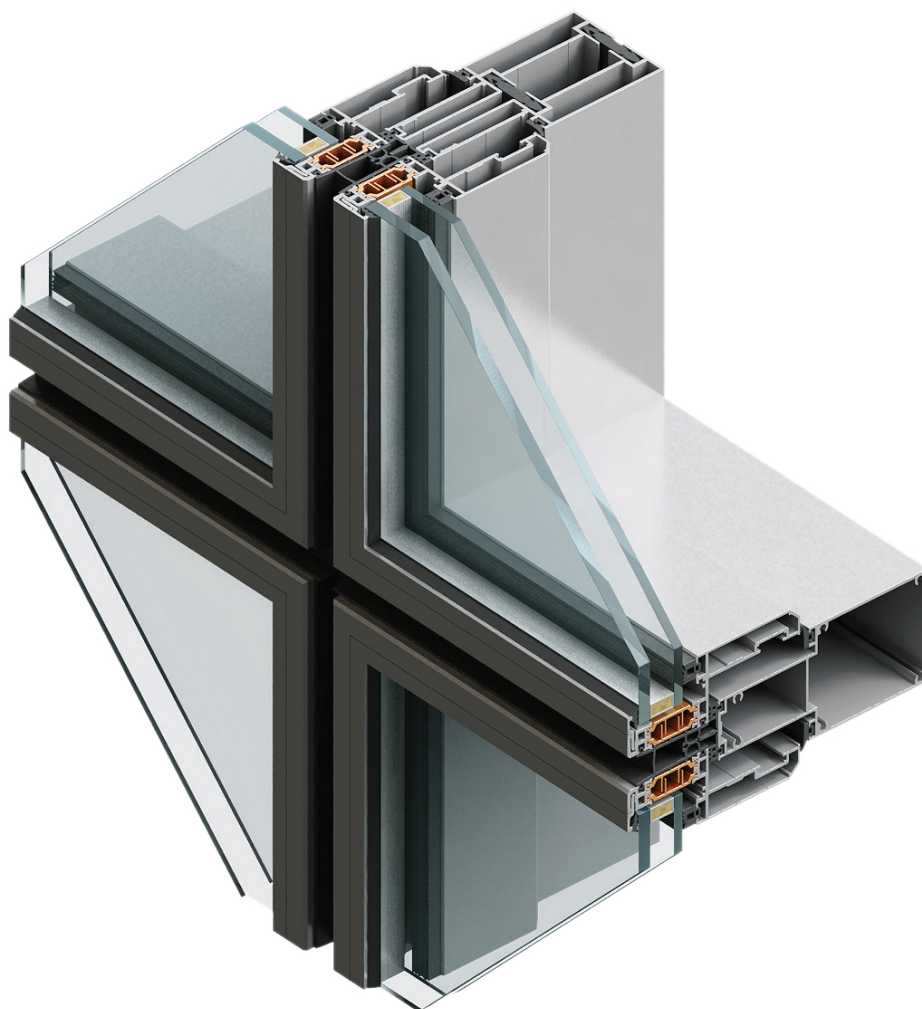


FEAL



70E

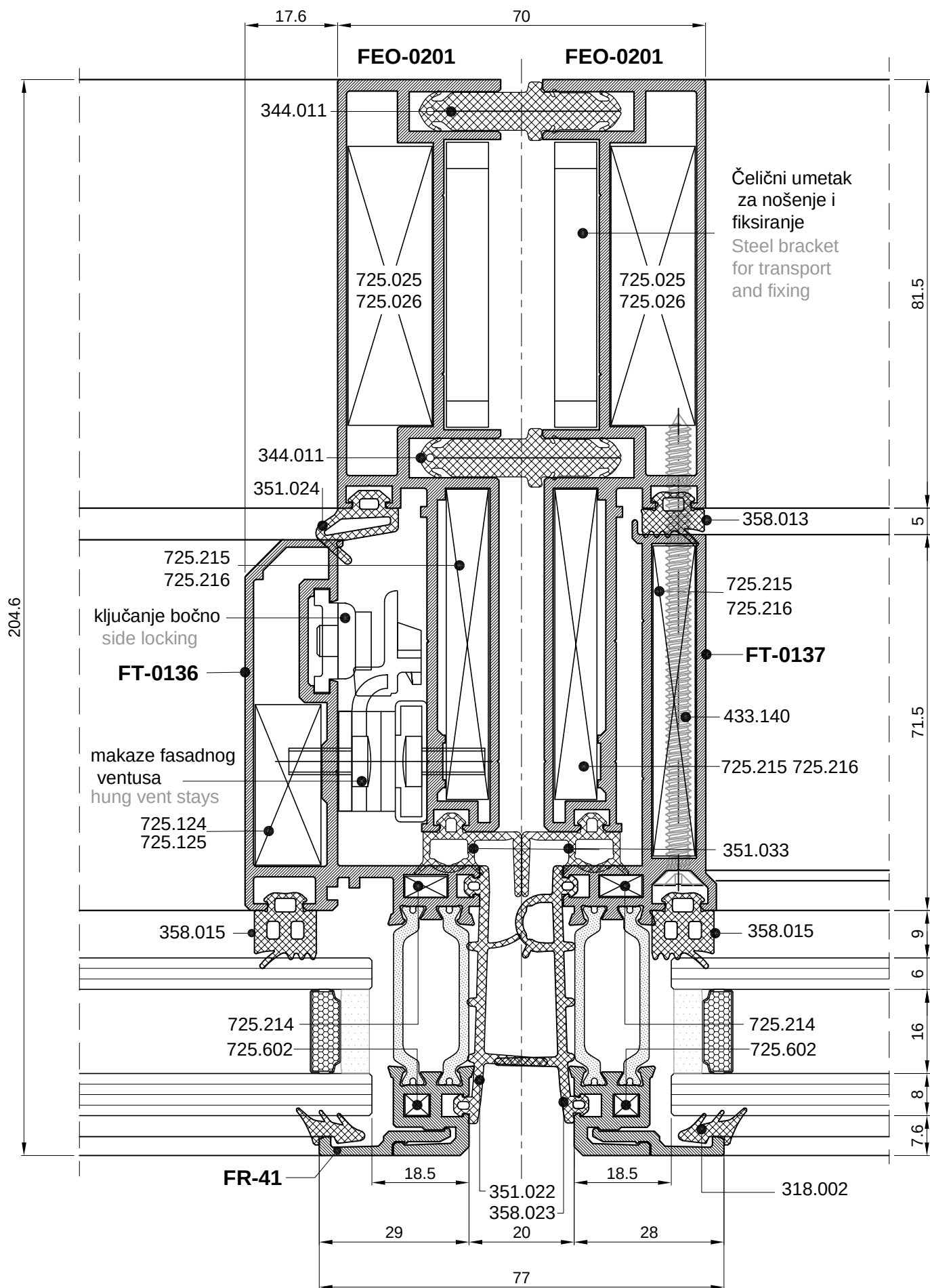
ELEMENT FASADA
UNITIZED FACADE

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Značajke sistema

System characteristics



OPIS SISTEMA:**Konstrukcija:**

Feal 70-E je sistem za izradu samonosivih, u cjelini zastakljenih, toplo izoliranih elemenata fasadne konstrukcije od aluminijumskih profila.

Geometrija profila:

Vidljiva širina profila 70 mm.

Dubina elementa 205 mm.

Za otvarajuća polja se mogu koristiti posebno dizajnirani fasadni otvori poput ventus otvaranja i paralelnog otvaranja.

Parapetna polja mogu biti prozirna ili neprozirna.

Stakljenje element fasade se izvodi uz pomoć EPDM brtvi i lajsni.

U izradi fasadnih komponenti koriste se materijali otporni na vremenske uvjete, temperaturne razlike te plijesni.

Prednosti fasade element fasade 70-E:

- Kraće vrijeme izrade – pomaže izvođačima i arhitektima da ostvare strože zahtjeve za kraćim vremenima, čime se mogu postići smanjenja u vremenu provedenom na gradilištu do 70%.
- Povećana sigurnost na gradilištu – elementi mogu biti instalirani bez potrebe za radom na visini ili skeli.
- Smanjeno skladištenje ili manipuliranje materijala na gradilištu – posebno prednost u središtima grada gdje je prostor i pristup ograničen.
- Precizno projektiranje u kontroliranim proizvodnim uvjetima omogućuje da je kvaliteta fasadnih sistema značajno poboljšana
- Manje otpada – mjere kontrole otpada su strože i tvorničkim uvjetima što rezultira u reduciranim troškovima u otpadu gubitku i šteti.
- Dodatna prednost element fasada je da, za razliku od kontinuiranih fasada, ne prenose udarne zvukove sa kata na kat ili horizontalo od prostorije do prostorije. Razlog tomu je što su elementi odvojeni spojnim brtvama. Različiti materijali (npr. brtva na aluminiju) postaju akustički uzbuđeni na različitim razinama, stvarajući potpuno odvajanje na spoju između elemenata.
- Omogućeno vertikalno pomjeranje elemenata od +/- 10 mm

SYSTEM DESCRIPTION:**Construction:**

System **Feal 70-E** is used for the production of selfbearing, fully glazed, thermally isolated aluminium unitized curtain walls.

Profile geometry:

Visible profile width 70mm.

Unit depth 205 mm.

Specially designed facade openings such as hung vent windows and windows with parallel opening can be used for opening fields. Spandrel fields can be transparent or opaque.

Glazing of the unitized curtain wall is achieved with EPDM gaskets, and glazing beads.

In production of curtain walls components that are used are resistant to weather conditions, temperature differences and mold.

Advantages of unitized facade 70-E:

- Shorter lead times – helps contractors and architects meet the increasing demand for shorter programme times, and can achieve impressive reductions in time on site of up to 70%
- Increases safety on site – units can be installed without the need to work at a height on scaffolding.
- Reduces storage and handling of materials on site – particular advantage in city centre sites where space and access is restricted.
- Precision engineered in a controlled production environment ensuring quality of facade systems are significantly improved.
- Less waste – waste control measures are more stringent in a factory environment resulting in reduced costs from wastage, loss and damage.
- Another advantage of unitised systems is that, unlike stick systems, they do not transfer impact noises from floor to floor or horizontally from room to room. This is because the unitised elements are separated by connection gaskets. The different materials (ie, gasket to aluminium), become acoustically excited to different levels, thus creating full separation at the junctions between units.
- Enabled vertical movement of units +/- 10 mm.

Ispitivanja i certifikati

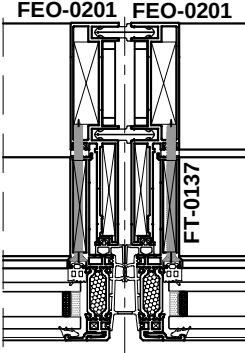
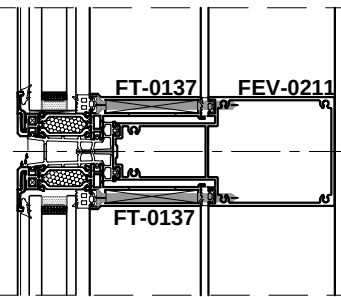
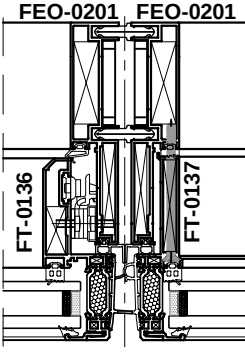
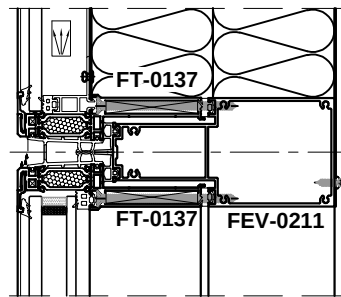
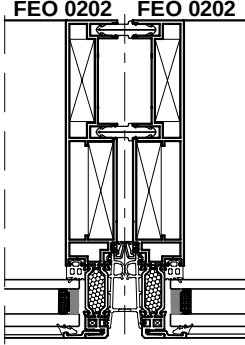
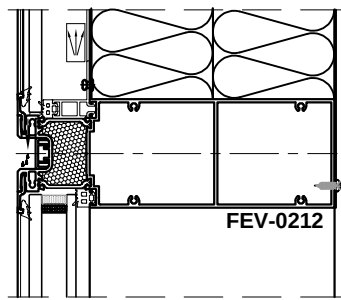
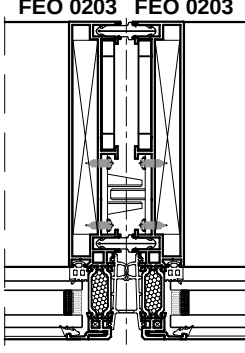
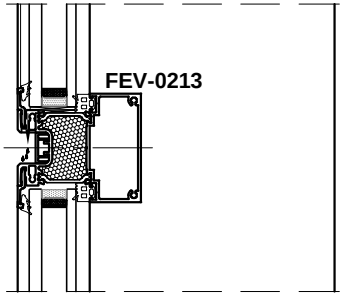
Testing and certificates

ISPITIVANJA I CERTIFIKATI U FADADI 70E
TESTS AND CERTIFICATES IN FACADE 70E

Vrsta ispitivanja Type of test	Standard Norm	Ispitni institut Test institute	Rezultat ispitivanja Test result
Zrakopropusnost Air permeability	EN12152	IGH Zagreb	A4
Vodonepropusnost Watertightness	EN 12154	IGH Zagreb	9A
Otpornost na vjetar Resistance to wind	EN 13116	IGH Zagreb	1,2 kN/m ² 1,8 kN/m ²
Zvučna izolacija Airborne sound reduction	EN ISO 717-1	IGH Zagreb	Rw(C,Ctr)(dB); 36 (-2;-6)
Toplinska izolacija Thermal insulation	DIN EN ISO 10077-2	ift Rosenheim	(Uf≥2.19 W/m ² K)

Tablica sa koeficijentima prolaza topline

Table with coefficient heat transfer

 FEO-0201 FEO-0201 FT-0137 M1:5	Profili: Profiles: FEO-0201/FT-0137 FEO-0201/FT-0137	Uf: 2.45 W/m²K	 FT-0137 FEV-0211 FT-0137 M1:5	Profili: Profiles: FEV-0211/FT-0137 FEV-0211/FT-0137	Uf: 2.38 W/m²K
 FEO-0201 FEO-0201 FT-0136 FT-0137 M1:5	Profili: Profiles: FEO-0201/FT-0137 FEO-0201/FT-0136	Uf: 2.25 W/m²K	 FT-0137 FT-0137 FEV-0211 M1:5	Profili: Profiles: FEV-0211/FT-0137 FEV-0211/FT-0137	Uf: 2.53 W/m²K
 FEO 0202 FEO 0202 M1:5	Profili: Profiles: FEO-0202 FEO-0202	Uf: 2.45 W/m²K	 FEV-0212 M1:5	Profili: Profiles: FEV-0212	Uf: 2.04 W/m²K
 FEO 0203 FEO 0203 M1:5	Profili: Profiles: FEO 0203 FEO 0203	Uf: 2.48 W/m²K	 FEV-0213 M1:5	Profili: Profiles: FEV-0213	Uf: 1.65 W/m²K

Statički dijagram -opt. vjetrom Structural diagram of wind load

Pravokutno opterećenje Rectangular load

Primjer primjene pravokutnog opterećenja Example of application of rectangular load

1. Ulazni podaci / Input data:

Visina opterećenja / Load height: $L = 4.0$ m

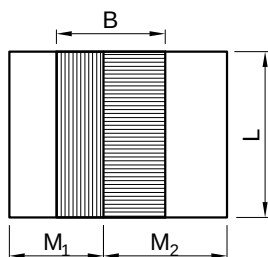
Širina lijevog polja / Left field width: $M_1 = 0.8$ m

Širina desnog polja / Right field width: $M_2 = 1.2$ m

Širina opterećenja / Load width: $B = (M_1 + M_2) / 2 = 1.0$ m

Tlak vjetra W_e^* Wind pressure $W_e^* = 1.1$ kN/m²

Podtlak vjetra W_s^* Wind suction $W_s^* = -1.3$ kN/m²



2. Određivanje potrebnog momenta I_x pod jediničnim opt. 1.0 kN/m² iz dijagrama

Determination of required moment I_x under unit load 1.0 kN/m² from the diagram

Vrijednosti momenta inercije iz dijagrama

Values of moment of inertia from diagram:

$I_D = 360$ cm⁴ (①dijagram / diagram)

3. Određivanje potrebnog momenta I_x pod opterećenjem na objektu

Determination of required moment I_x under load on the building

Pretpostavljeni tlak vjetra* / Wind pressure assumed*

$w_p = 1.1$ kN/m²

= potrebno / required. $I_x = w_p \cdot I_D = 1.1 \cdot 360$ cm⁴ = 396 cm⁴

Pretpostavljeni podtlak vjetra* / Wind suction assumed*

$w_s = -1.3$ kN/m²

= potrebno / required $I_x = w_s \cdot I_D = (-1.3) \cdot 360$ cm⁴ = 468 cm⁴

*opterećenje vjetrom mora biti izračunato prema važećim standardima te poziciji i obliku građevine

*the wind load must be determined according to the valid standards and the position and shape of the building.

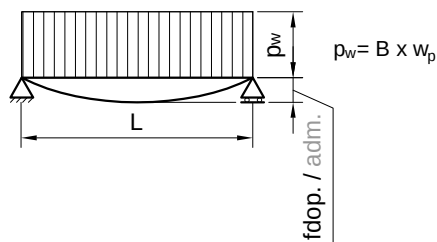
4. Odabire se veća vrijednost: 468 cm⁴

Greater value is selected: 468 cm⁴

Statički sistem pravokutnog opterećenja

Structural system rectangular load

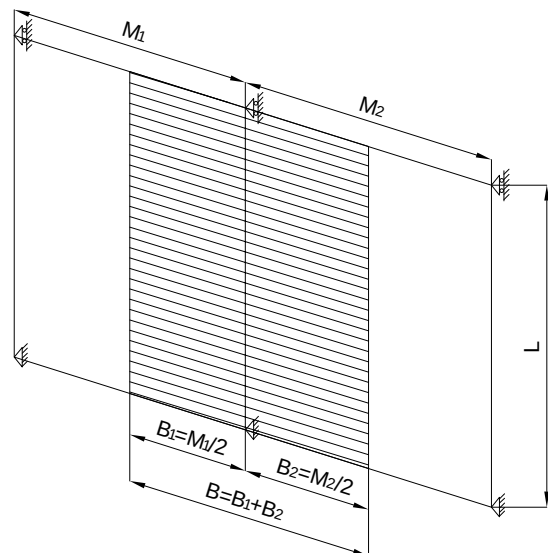
Nosač na dva oslonca / Beam on 2 supports



Jednadžba za pravokutno opterećenje

Calculation formula rectangular load

$$I_x = \frac{5 \cdot p_w \cdot L^4}{384 \cdot E \cdot f_{dop.} / adm.}$$



I_x (cm⁴) = Moment inercije/ Moment of inertia

I_D (cm⁴) = Moment inercije, Pravokutno opt. / Moment of inertia, rectangular load

L (cm) = Visina opterećenja / Load height

M_1 (cm) = Širina lijevog polja / Left field width

M_2 (cm) = Širina desnog polja / Right field width

B_1, B_2 (cm) = Širina opterećenja / Load width $B_1 = M_1/2$; $B_2 = M_2/2$

w_p (kN/cm²) = Tlak vjetra / Wind pressure

w_s (kN/cm²) = Podtlak vjetra / Wind suction

p_w (kN/cm) = Linijsko opterećenje / Line load

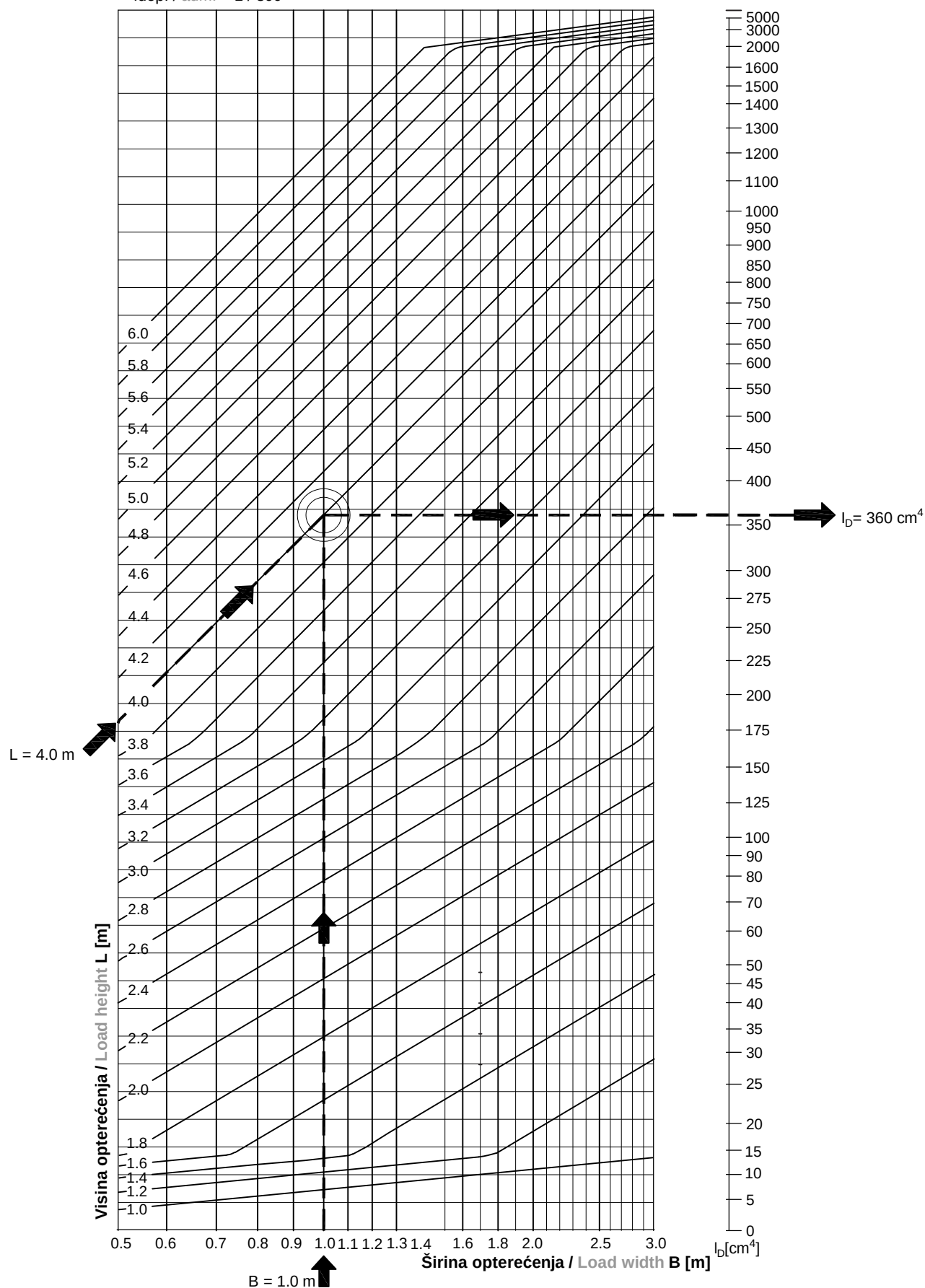
E (kN/cm²) = Modul elastičnosti / Modulus of elasticity $7 \cdot 10^3$

$f_{dop.} / adm.$ (cm) = dop. progib / adm. deflection

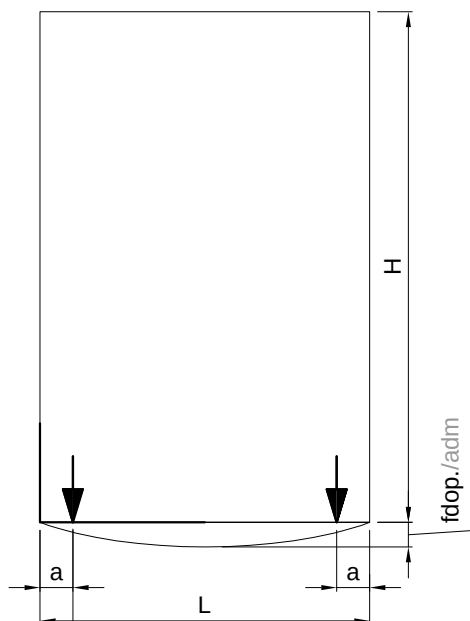
Statički dijagram -opt. vjetrom **Structural diagram of wind load**
Pravokutno opterećenje **Rectangular load**

Osnovni uvjeti:
Basic assumptions:

Jed. opterećenje 1.0 kN/m² Unit load 1.0 kN/m²
 $f_{dop.} / adm. = L / 300$



Statički dijagram težina stakla Structural diagram glass load



1. Ulazni podaci / Input data:

Širina stakla / Glazing span:

L = 3.00 m

Visina stakla / Glazing height:

H = 1.30 m

Debljina stakla / Glazing thickness:

D = 20 mm*

* uzima se u obzir samo debljina staklenih ploha
* only glass pane thickness is calculated

2. Određivanje potrebnog momenta I_y pod jediničnim opt. 0.15 kN/m²
Determination of required moment I_y under unit load 0.15 kN/m²za / for q_s 0.15 kN/m² $I_{y0.15} = 23 \text{ cm}^4$ (1) dijagram / diagram3. Određivanje potrebnog momenta I_y pod opterećenjem na objektu
Determination of required moment I_y under load on the building

Debljina stakla Glass thickness D=20 mm ==> K=3.33

Potrebni / required $I_y = K_{20} \cdot I_{y0.15} = (3.33) \cdot 23 \text{ cm}^4 = 77 \text{ cm}^4$ 

Vlastita težina profila nije uzeta u opterećenje !
The dead weight of the profile is not considered !

Tablica 1. Težina stakla
Table 1. Glass weight

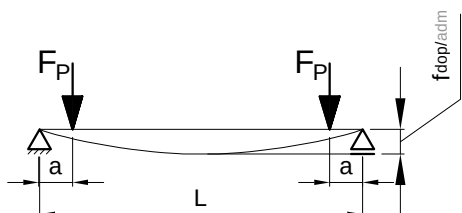
Koeficijent K Coefficient K	1	1.33	1.66	2	2.33	2.66	3	3.33	3.66	4	4.33	4.66	5	5.33	5.66	6	6.33	6.66	7	7.33	7.66	8
kN/m ²	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20	1.25
kg/m ²	15	20	25	30	35	40	45	50	55	60	65	70	80	85	90	95	100	105	110	115	120	125
Deblj. stakla (mm) D Glass thick. (mm) D	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48

①

Statičke jednadžbe

Structural formulas

Nosač na dva oslonca / Beam on 2 supports



a = 150 mm fiksno / fixed

$$F = \frac{H \cdot L}{2} \cdot q_s$$

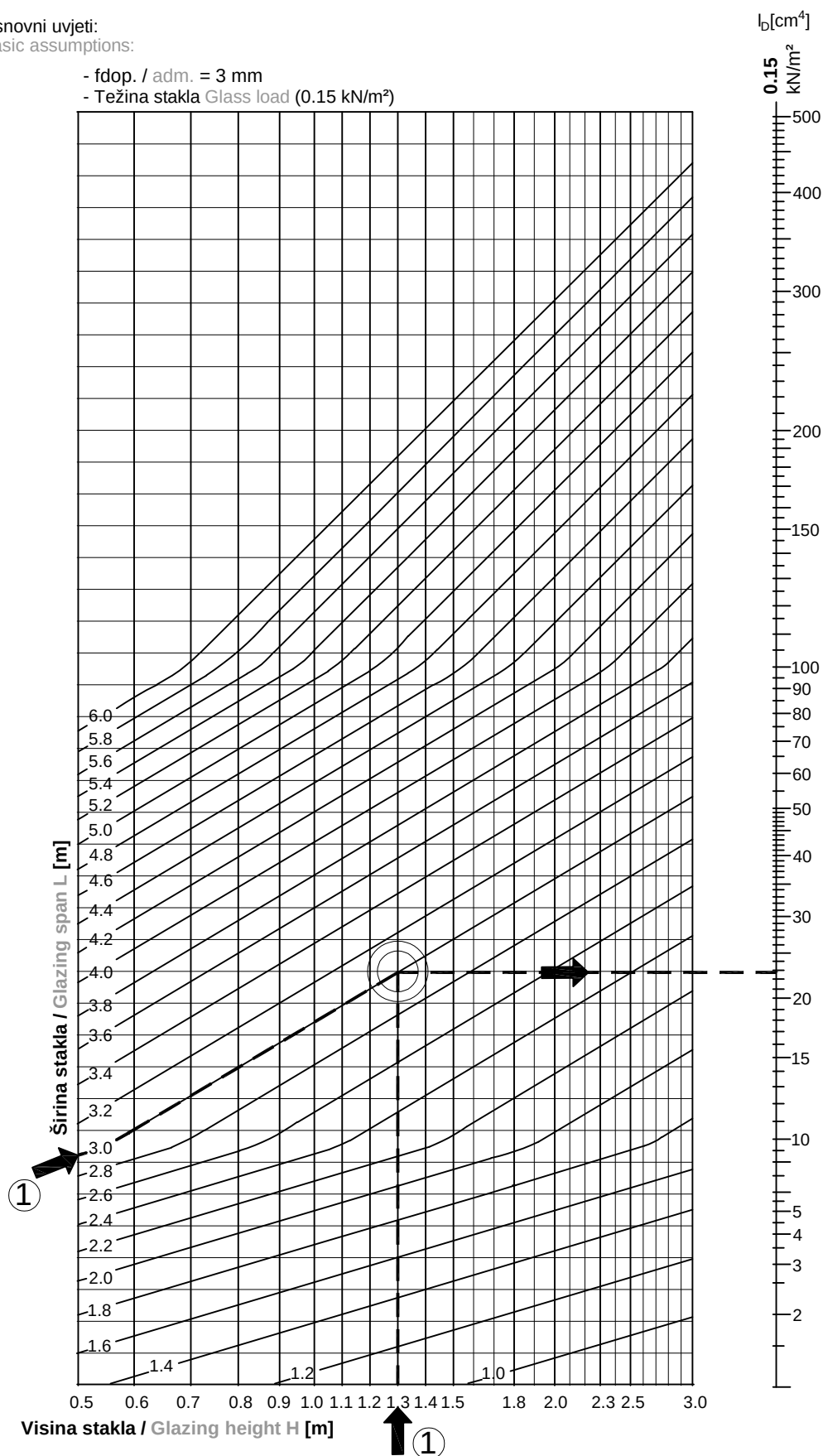
$$I_y = \frac{F \cdot a}{24 \cdot E \cdot f_{dop/adm.}} \cdot (3 \cdot L^2 - 4 a^2)$$

I_y (cm⁴) = Moment inercije / Moment of inertia
 F_P (kN) = Pojedinačno opterećenje / Single load
 a (cm) = Udaljenost oslonca / Support distance
 H (cm) = Visina stakla / Pane height
 L (cm) = Širina raspona / Load span
 q_s (kN/cm²) = Težina stakla / Glass weight
 $f_{dop./adm.}$ (cm) = dop.progib / adm. deflection = 3 mm

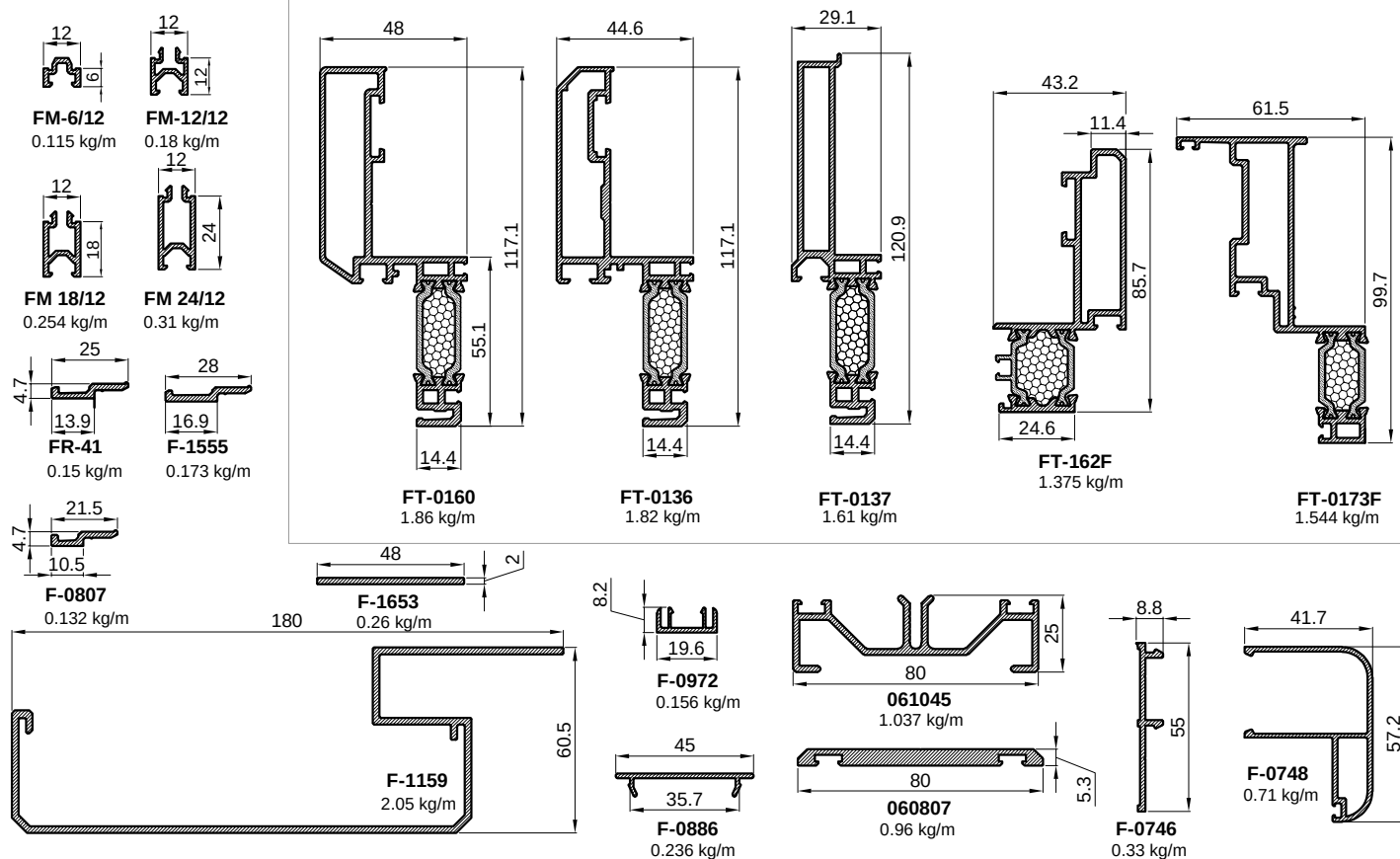
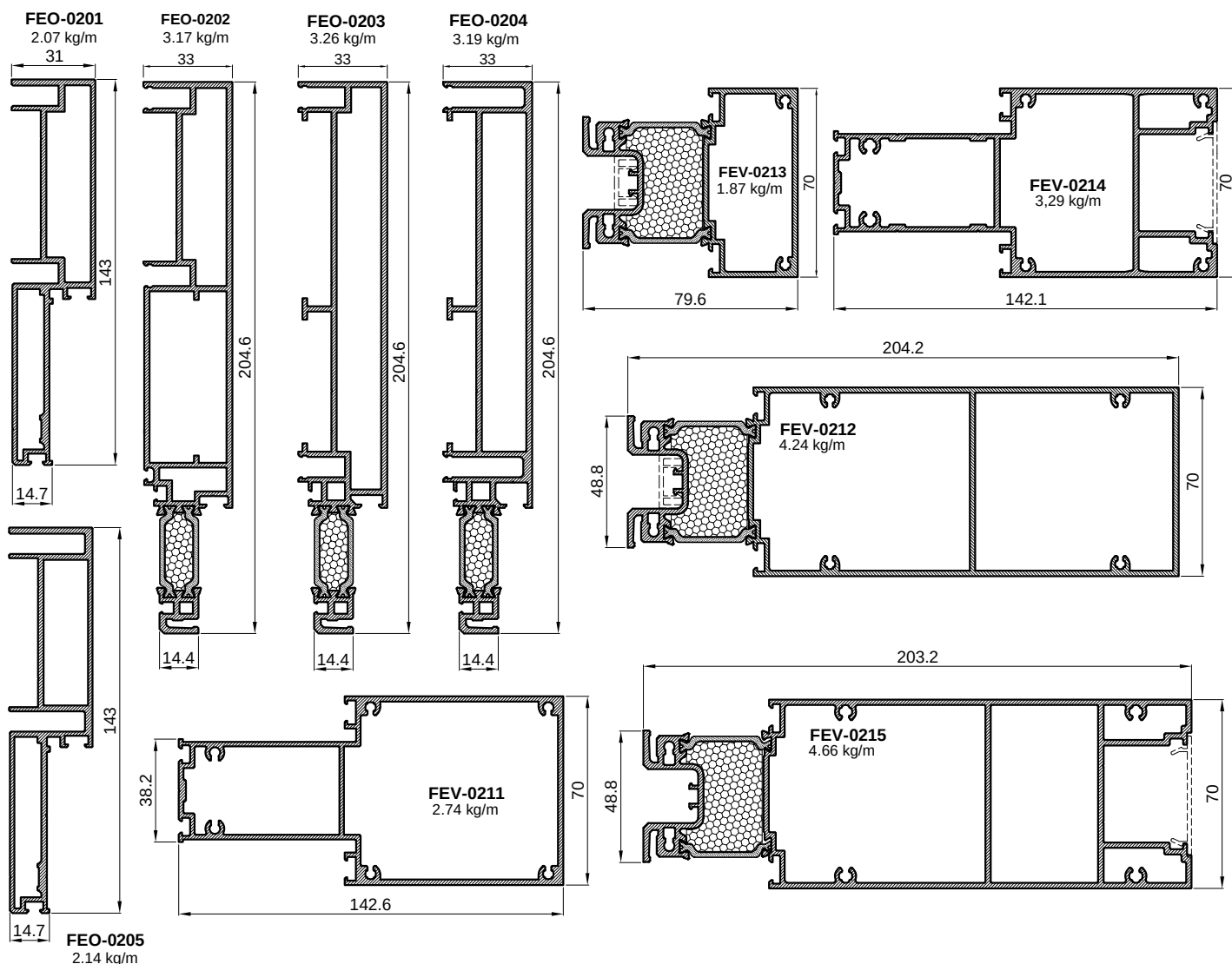
Statički dijagram težina stakla Structural diagram glass load

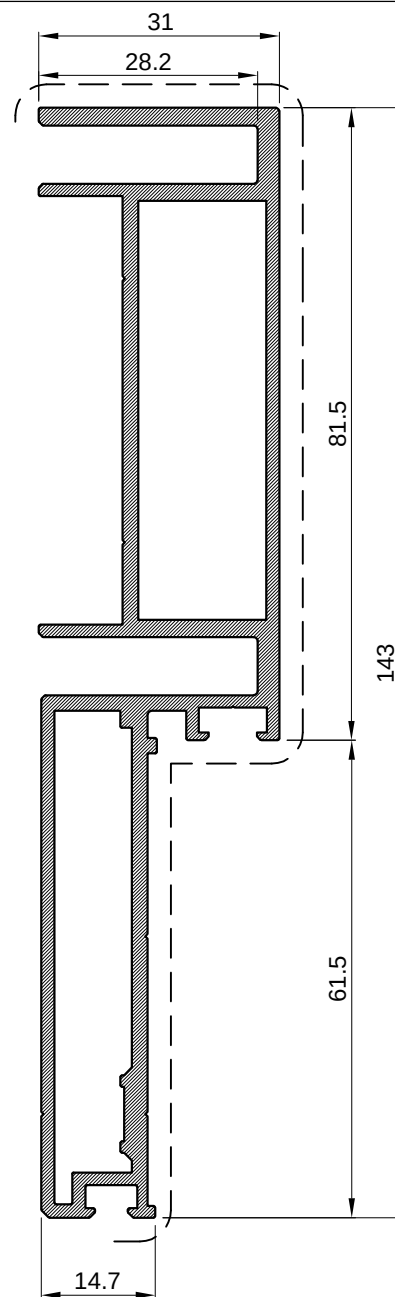
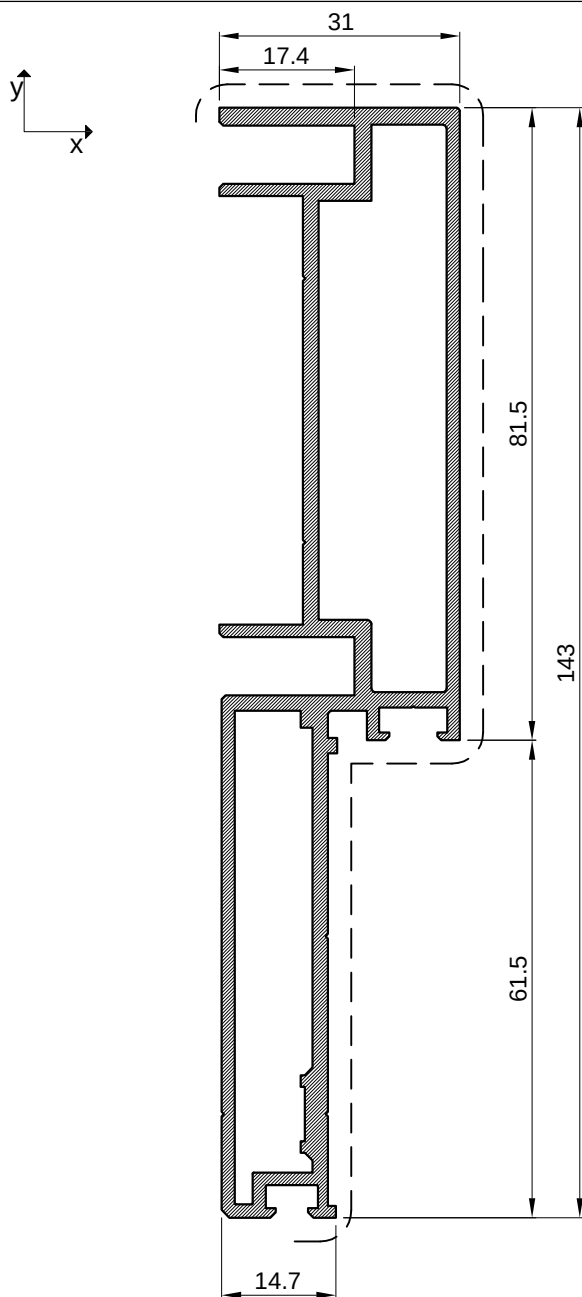
Osnovni uvjeti:
Basic assumptions:

- fdop. / adm. = 3 mm
- Težina stakla Glass load (0.15 kN/m²)



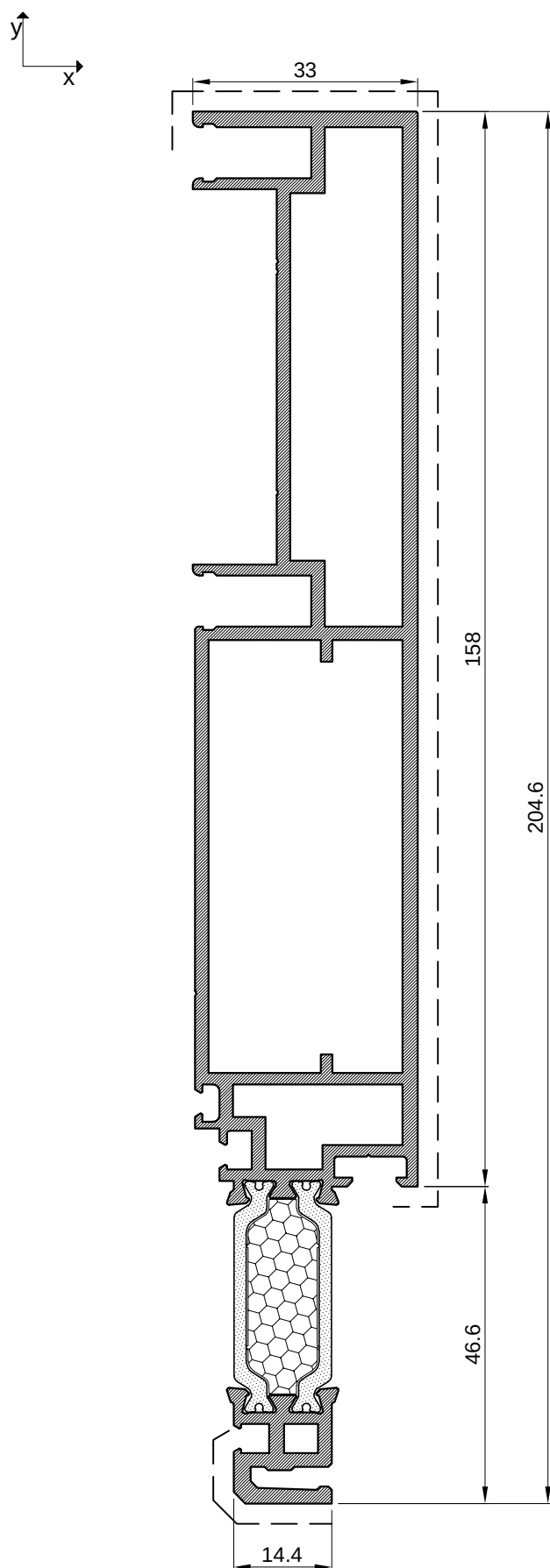
Profili Profiles



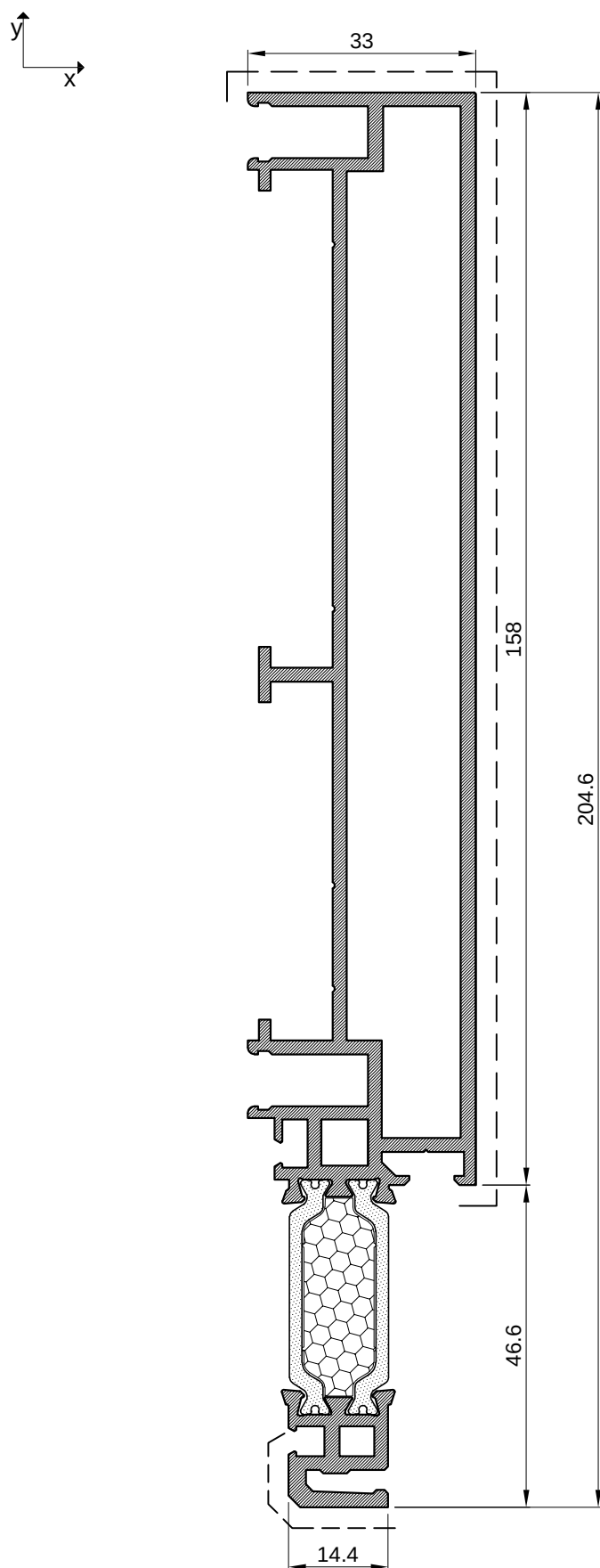


Ram Frame		
Art.Br. Art.Nr.	FEO-0201	
Težina Weight	kg/m	2.07
Opseg Perimet.	mm	475.34
Moment inercije Moment of inertia	I _x (cm ⁴)	147.09
	I _y (cm ⁴)	6.98
	W _x (cm ³)	19.27
	W _y (cm ³)	4.19
L	mm	6500

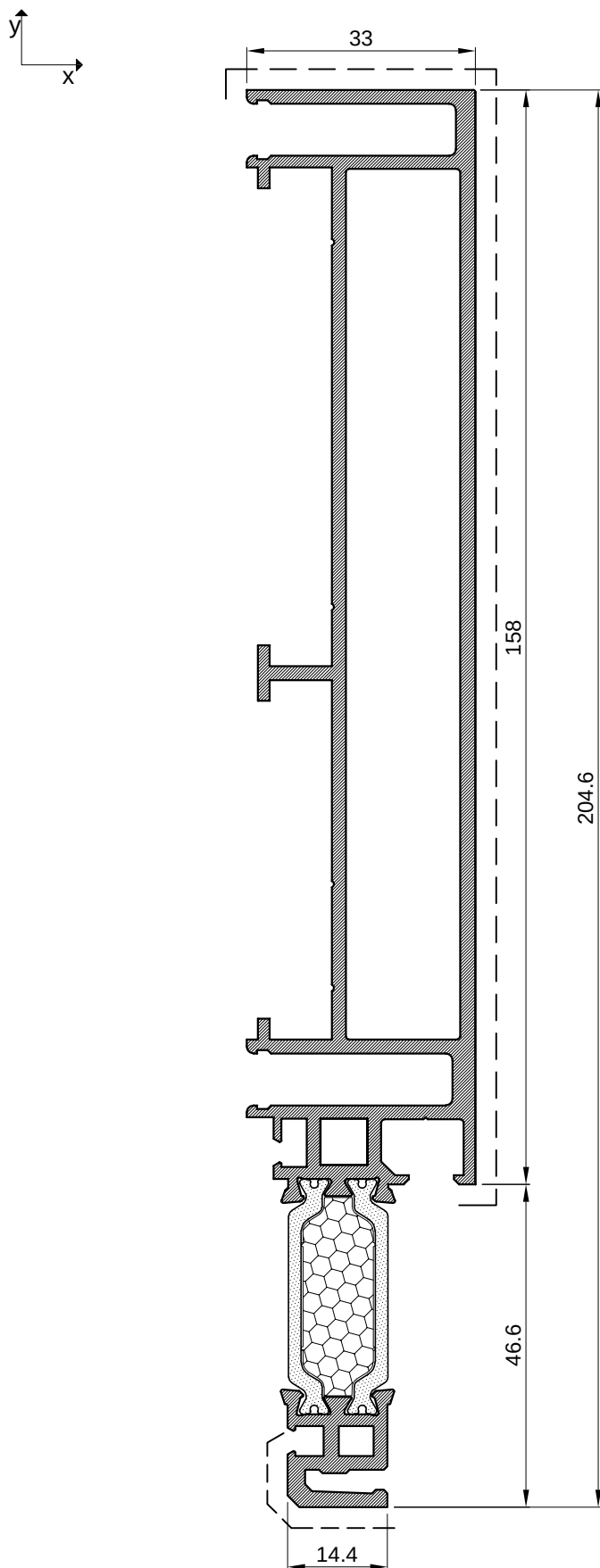
Ram Frame		
Art.Br. Art.Nr.	FEO-0205	
Težina Weight	kg/m	2.14
Opseg Perimet.	mm	516.61
Moment inercije Moment of inertia	I _x (cm ⁴)	150.93
	I _y (cm ⁴)	7.67
	W _x (cm ³)	19.51
	W _y (cm ³)	4.79
L	mm	6500



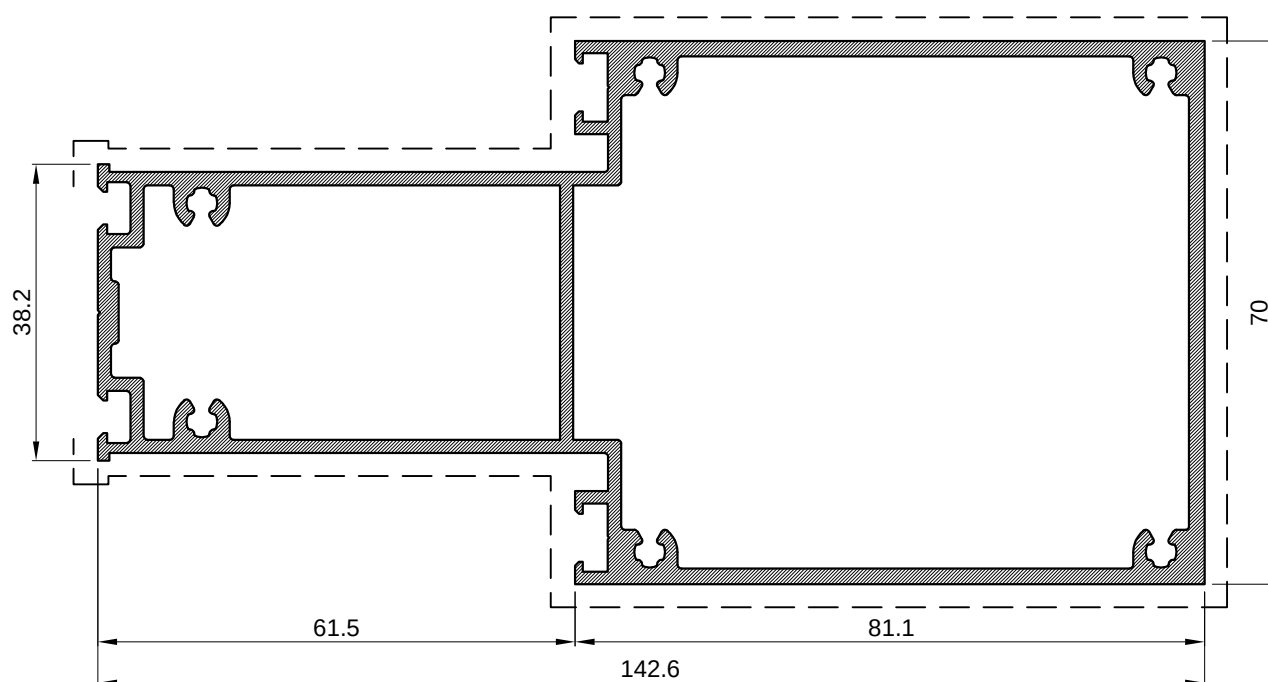
Ram Frame		
Art.Br. Art.Nr.	FEO-0202	
Težina Weight	kg/m	3.17
Opseg Perimet.	mm	661.11
Moment inercije Moment of inertia	I _x (cm ⁴)	371.55
	I _y (cm ⁴)	14.19
	W _x (cm ³)	38.39
	W _y (cm ³)	7.87
L	mm	6500



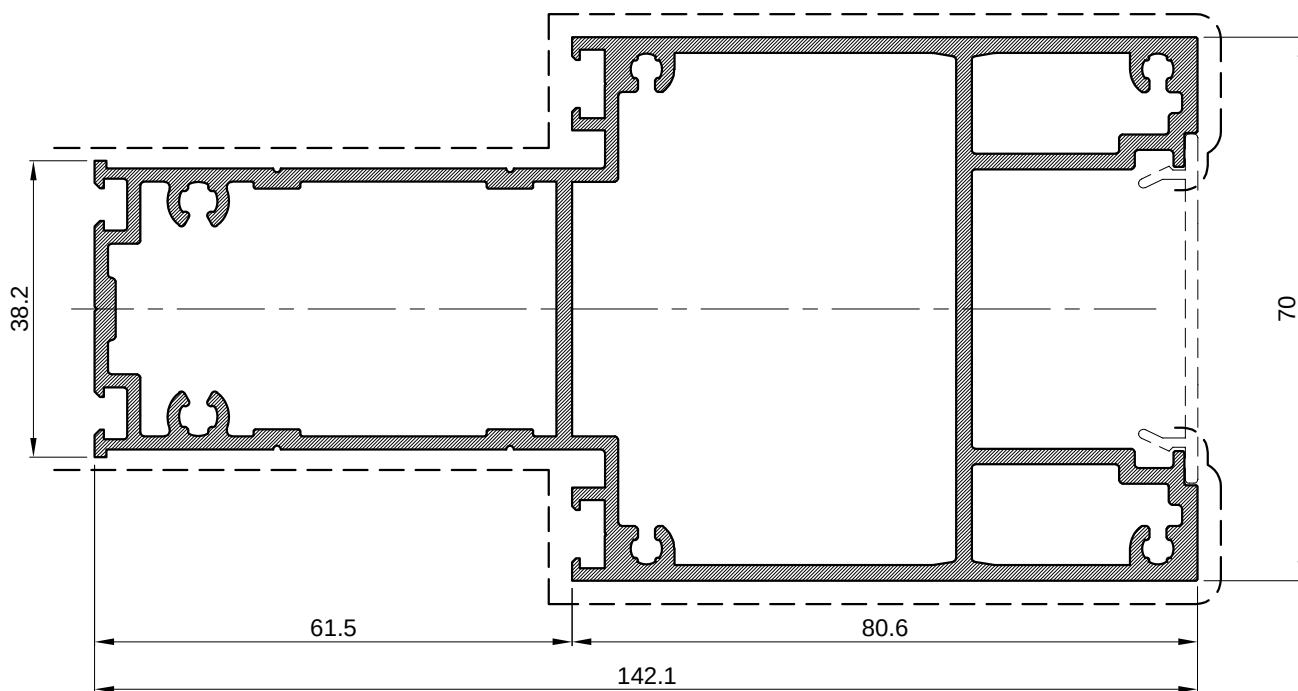
Ram Frame		
Art.Br. Art.Nr.	FEO-0203	
Težina Weight	kg/m	3.26
Opseg Perimet.	mm	702.03
Moment inercije Moment of inertia	I _x (cm ⁴)	373.38
	I _y (cm ⁴)	10.61
	W _x (cm ³)	39.2
	W _y (cm ³)	5.55
L	mm	6500



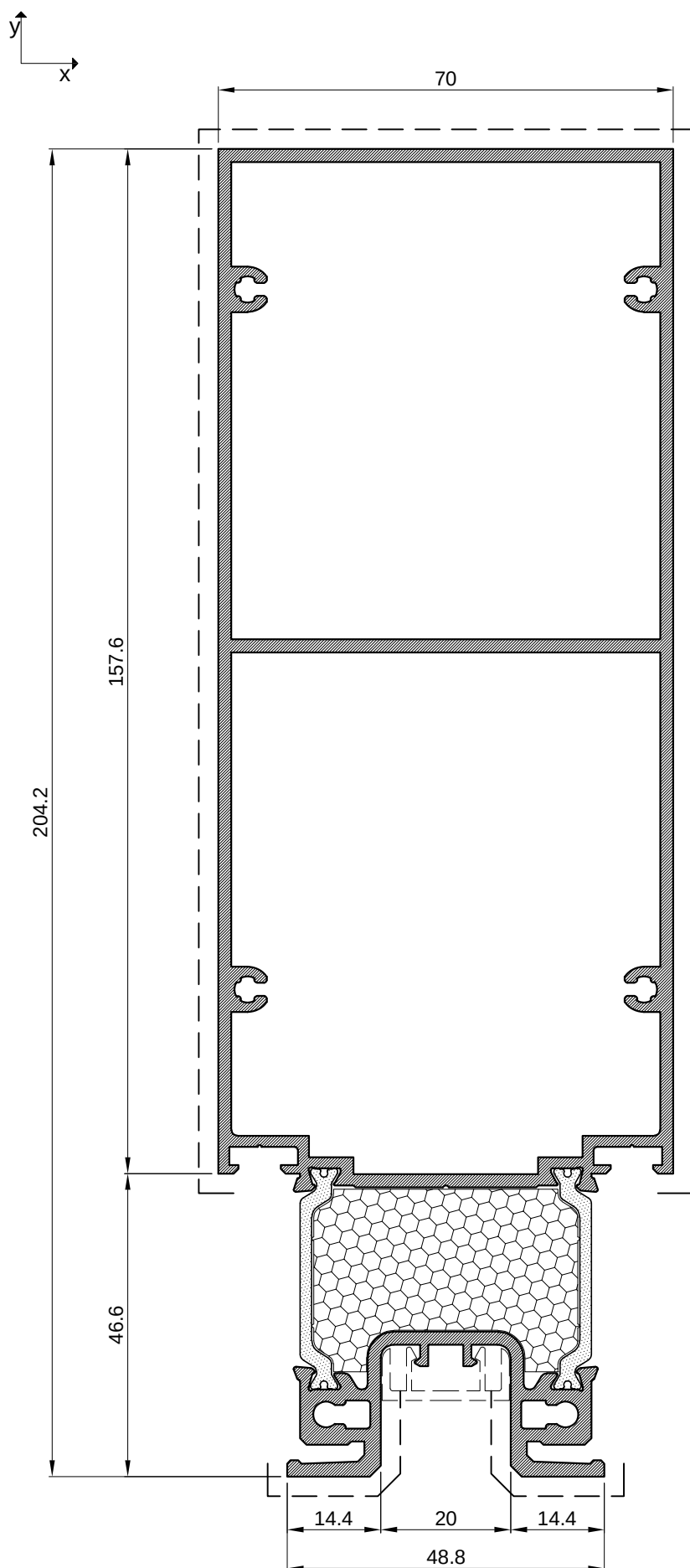
Ram Frame		
Art.Br. Art.Nr.	FEO-0204	
Težina Weight	kg/m	3.19
Opseg Perimet.	mm	702.03
Moment inercije Moment of inertia	I _x (cm ⁴)	380.38
	I _y (cm ⁴)	10.92
	W _x (cm ³)	39.75
	W _y (cm ³)	5.6
L	mm	6500



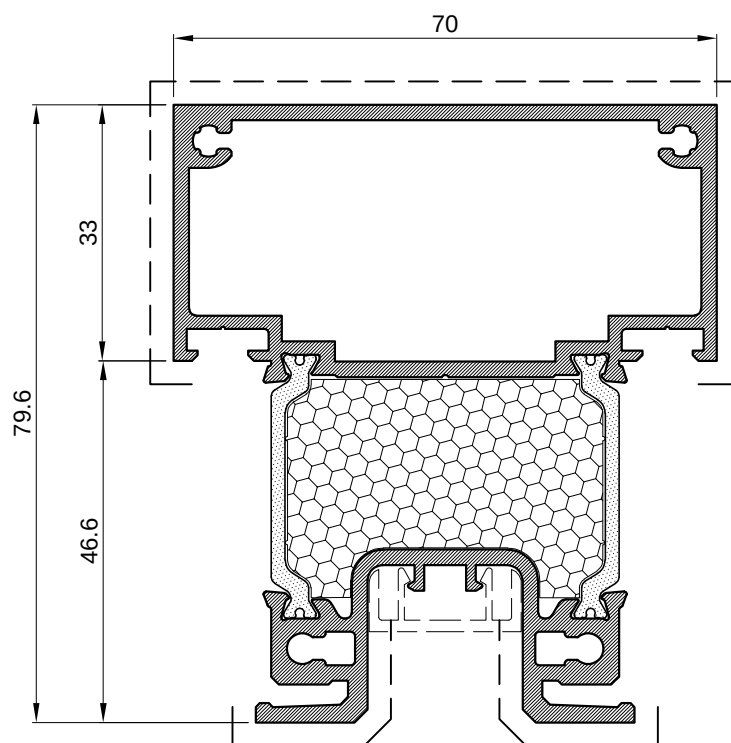
Prečka Crossbar	
Art.Br. Art.Nr.	FEV-0211
Težina Weight	kg/m 2.74
Opseg Perimet	mm 496.94
Moment inercije Moment of inertia	I_x (cm ⁴) 63.02
	I_y (cm ⁴) 222.46
	W_x (cm ³) 18
	W_y (cm ³) 29.33
L	mm 6500



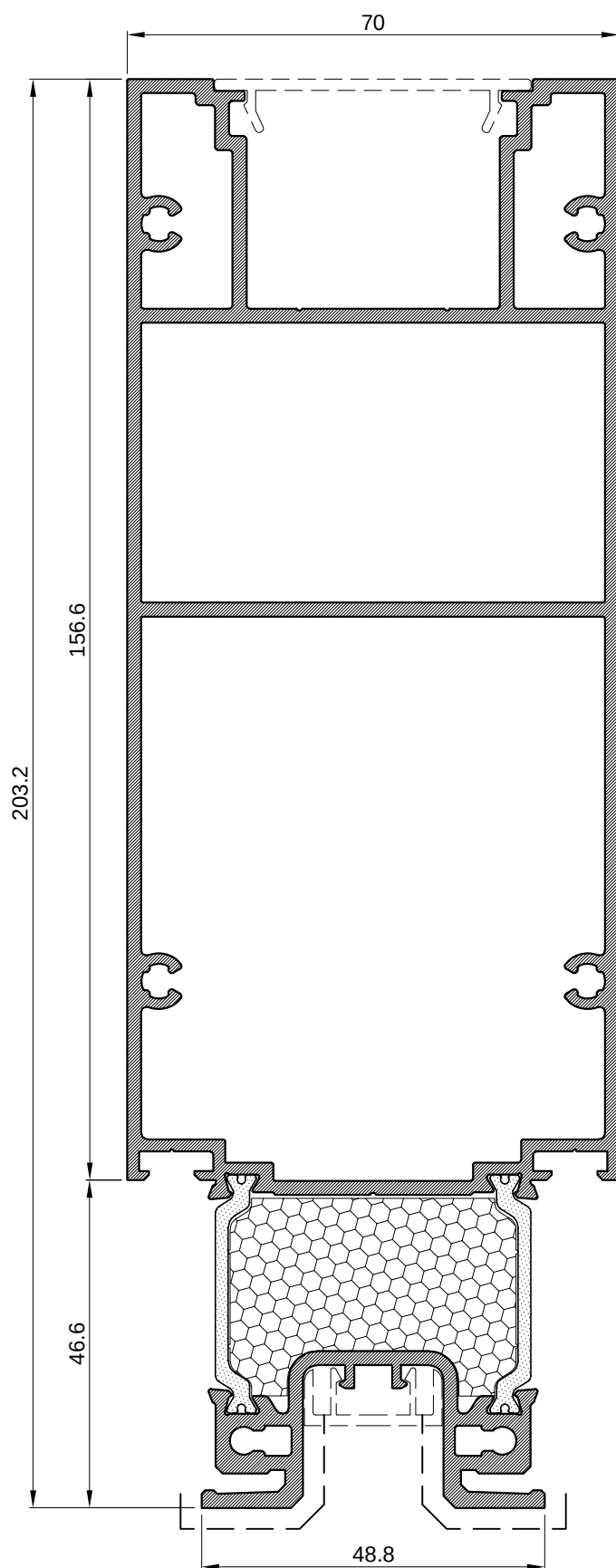
Prečka Crossbar		
Art.Br. Art.Nr.	FEV-0214	
Težina Weight	kg/m	3.29
Opseg Perimet.	mm	562.97
Moment inercije Moment of inertia	I _x (cm ⁴)	72.00
	I _y (cm ⁴)	240.71
	W _x (cm ³)	20.57
	W _y (cm ³)	30.32
L	mm	6500



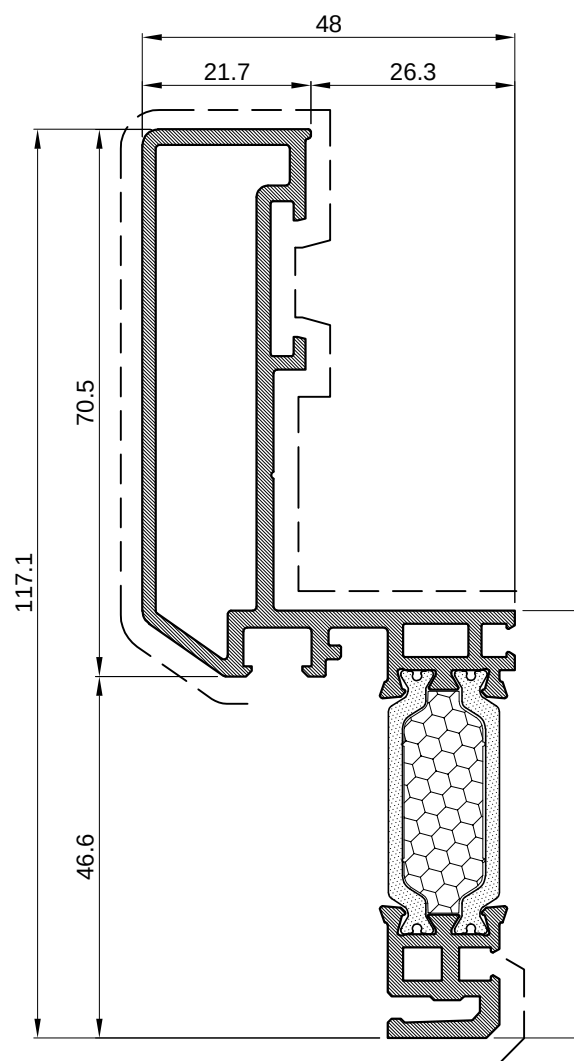
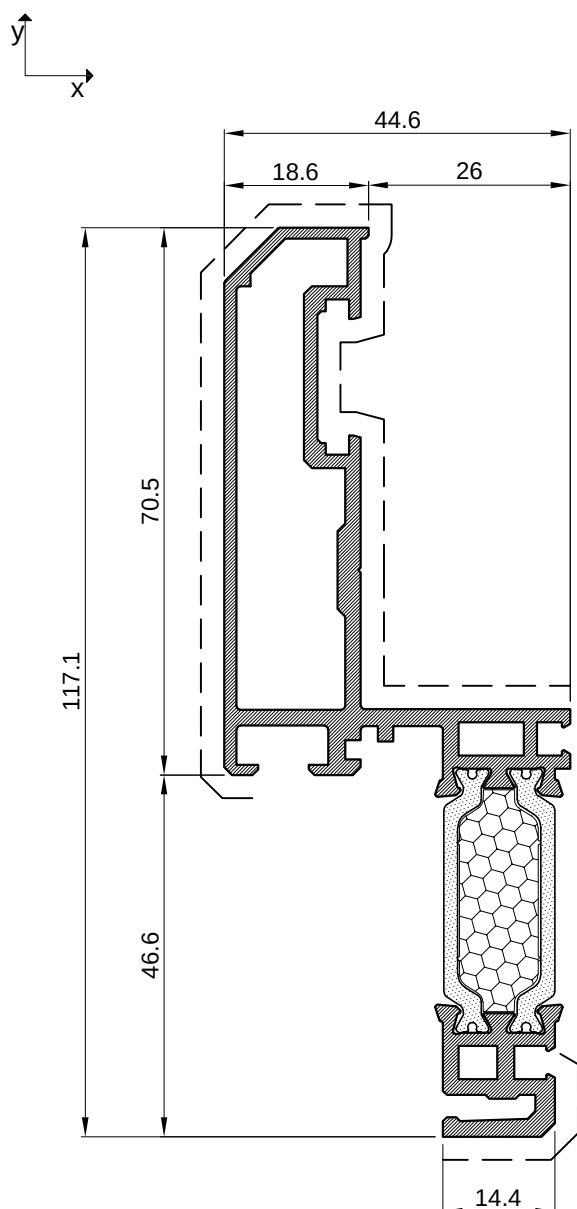
Prečka Crossbar		
Art.Br. Art.Nr.	FEV-0212	
Težina Weight	kg/m	4.21
Opseg Perimet.	mm	701.94
Moment inercije Moment of inertia	I _x (cm ⁴)	570.26
	I _y (cm ⁴)	105.29
	W _x (cm ³)	63.08
	W _y (cm ³)	30.08
L	mm	6500



Prečka Crossbar		
Art.Br. Art.Nr.	FEV - 0213	
Težina Weight	kg/m	1.84
Opseg Perimet.	mm	452.21
Moment inercije Moment of inertia	I _x (cm ⁴)	48.09
	I _y (cm ⁴)	38.2
	W _x (cm ³)	15.7
	W _y (cm ³)	10.91
L	mm	6500

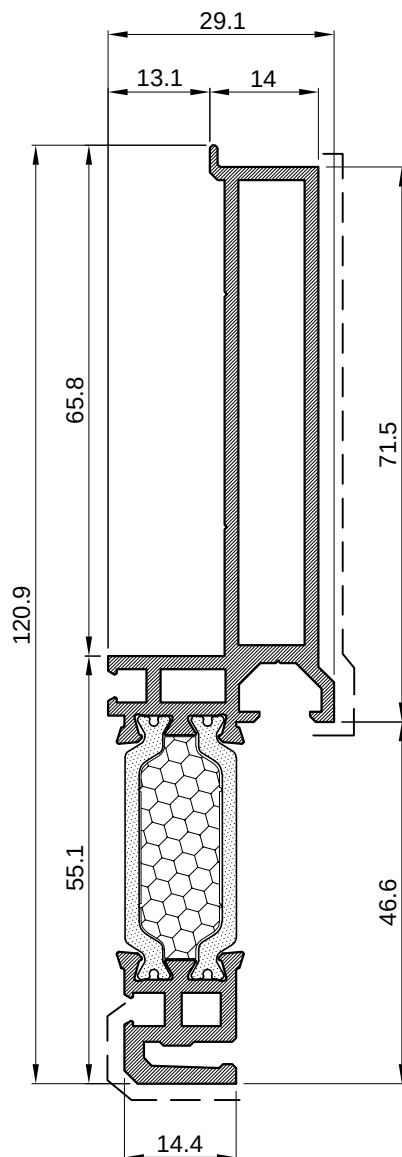


Prečka Crossbar		
Art.Br. Art.Nr.	FEV-0215	
Težina Weight	kg/m	4.66
Opseg Perimet.	mm	754.17
Moment inercije Moment of inertia	I _x (cm ⁴)	622.5
	I _y (cm ⁴)	112.8
	W _x (cm ³)	68.98
	W _y (cm ³)	32.23
L	mm	6500

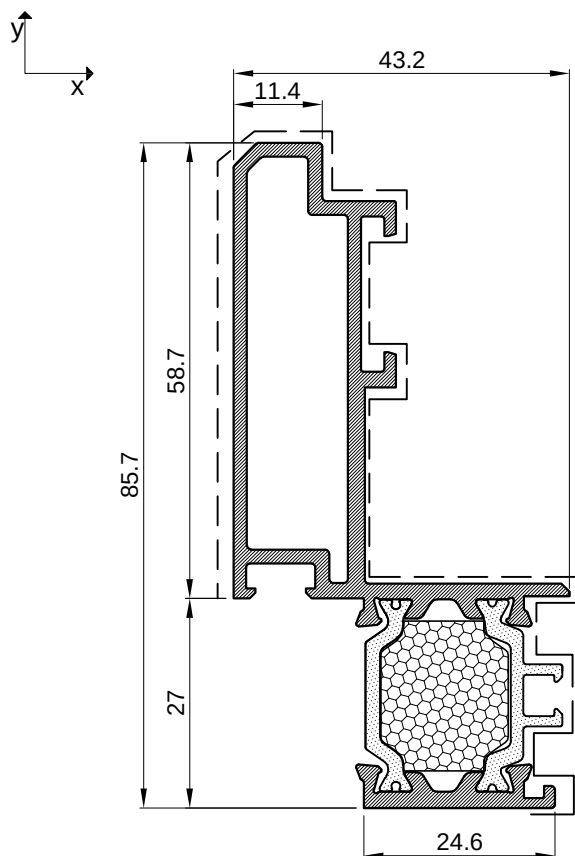


Kriilo ventusa Hung vent sash		
Art.Br. Art.Nr.	FT - 0136	
Težina Weight	kg/m	1.82
Opseg Perimet.	mm	442.33
Moment inercije Moment of inertia	I _x (cm ⁴)	55.99
	I _y (cm ⁴)	11.47
	W _x (cm ³)	11.74
	W _y (cm ³)	4.67
L	mm	6500

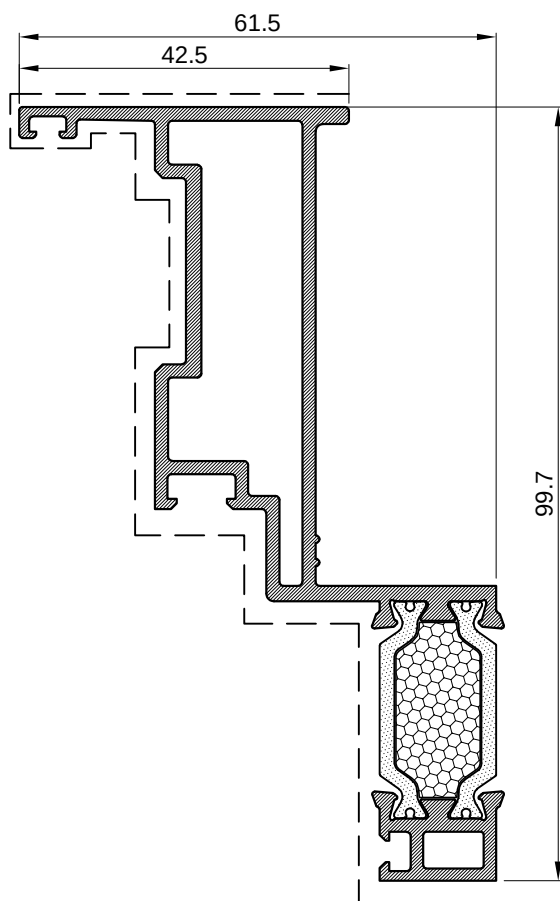
Kriilo za para. otvaranje Parallel opening sash		
Art.Br. Art.Nr.	FT - 0160	
Težina Weight	kg/m	1.86
Opseg Perimet.	mm	441.56
Moment inercije Moment of inertia	I _x (cm ⁴)	61.58
	I _y (cm ⁴)	13.77
	W _x (cm ³)	12.6
	W _y (cm ³)	5.29
L	mm	6500



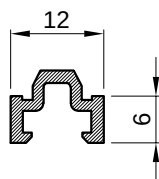
Fiksno krilo Fixed field sash		
Art.Br. Art.Nr.	FT - 0137	
Težina Weight	kg/m	1.61
Opseg Perimet.	mm	382.34
Moment inercije Moment of inertia	I _x (cm ⁴)	54.48
	I _y (cm ⁴)	3.15
	W _x (cm ³)	10.79
	W _y (cm ³)	1.99
L	mm	6500



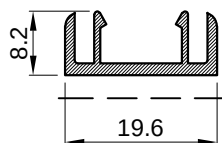
Krilo fasadnog otvora Facade opening sash		
Art.Br. Art.Nr.	FT-0162F	
Težina Weight	kg/m'	1.375
Opseg Perimeter	mm	331.65
Moment inercije Moments of inertia	Ix (cm ⁴)	29.46
	Iy (cm ⁴)	5.47
	Wx (cm ³)	6.65
	Wy (cm ³)	2.16
L	mm	6500



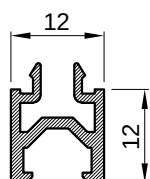
Ram fasadnog otvora Facade opening frame		
Art.Br. Art.Nr.	FT-0173F	
Težina Weight	kg/m'	1.544
Opseg Perimeter	mm	377.59
Moment inercije Moments of inertia	Ix (cm ⁴)	42.850
	Iy (cm ⁴)	11.150
	Wx (cm ³)	9.080
	Wy (cm ³)	3.170
L	mm	6500



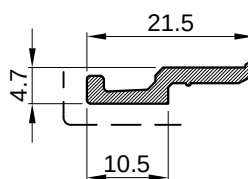
Al. distancer Al. spacer		
Art.Br. Art.Nr.	FM 6/12	
Težina Weight	kg/m	0.115
Opseg Perimet.	mm	60.98
L	mm	6500



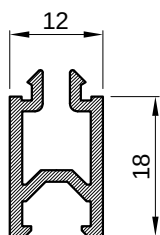
Pokl. lajsna Cover cap		
Art.Br. Art.Nr.	F-0972	
Težina Weight	kg/m	0.156
Opseg Perimet.	mm	93.94
L	mm	6500



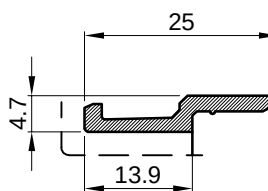
Al. distancer Al. spacer		
Art.Br. Art.Nr.	FM 12/12	
Težina Weight	kg/m	0.18
Opseg Perimet.	mm	100.16
L	mm	6500



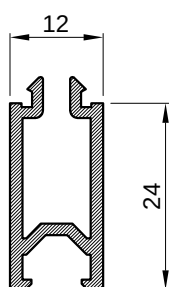
Al. lajsna Glazing bead		
Art.Br. Art.Nr.	F - 0807	
Težina Weight	kg/m	0.132
Opseg Perimet.	mm	54.34
L	mm	6500



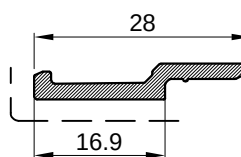
Al. distancer Al. spacer		
Art.Br. Art.Nr.	FM 18/12	
Težina Weight	kg/m	0.254
Opseg Perimet.	mm	124.24
L	mm	6500



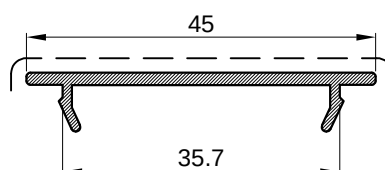
Al. lajsna Glazing bead		
Art.Br. Art.Nr.	FR - 41	
Težina Weight	kg/m	0.15
Opseg Perimet.	mm	61.09
L	mm	6500



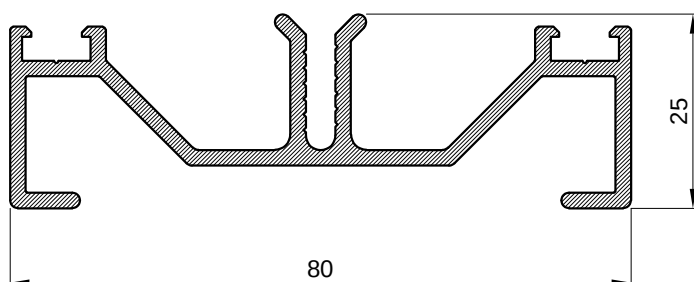
Al. distancer Al. spacer		
Art.Br. Art.Nr.	FM 24/12	
Težina Weight	kg/m	0.31
Opseg Perimet.	mm	148.23
L	mm	6500



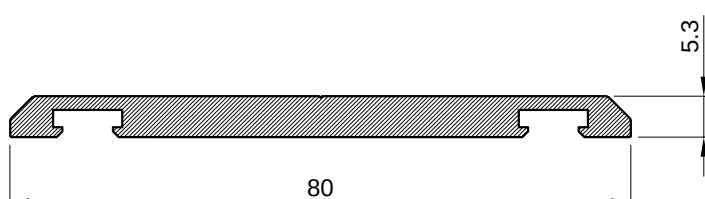
Al. lajsna Glazing bead		
Art.Br. Art.Nr.	F - 1555	
Težina Weight	kg/m	0.173
Opseg Perimet.	mm	66.02
L	mm	6500



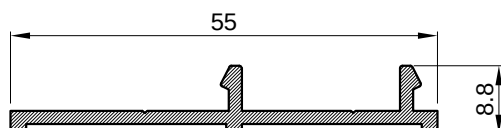
Pokl. lajsna Cover cap		
Art.Br. Art.Nr.	F - 0866	
Težina Weight	kg/m	0.236
Opseg Perimet.	mm	116.93
L	mm	6500



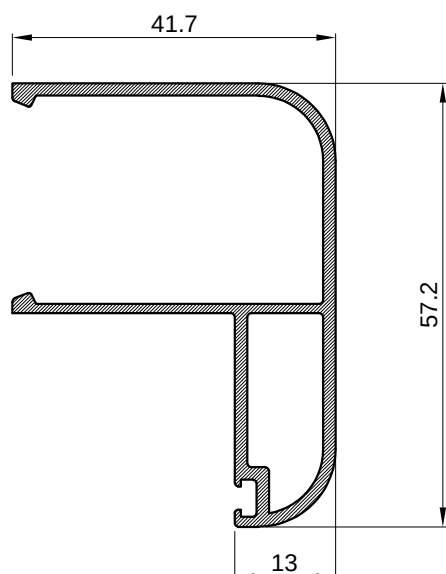
Profil za atiku Attic profile		
Art.Br. Art.Nr.	061045	
Težina Weight	kg/m'	1.037
Opseg Perimeter	mm	389.77
L	mm	6500



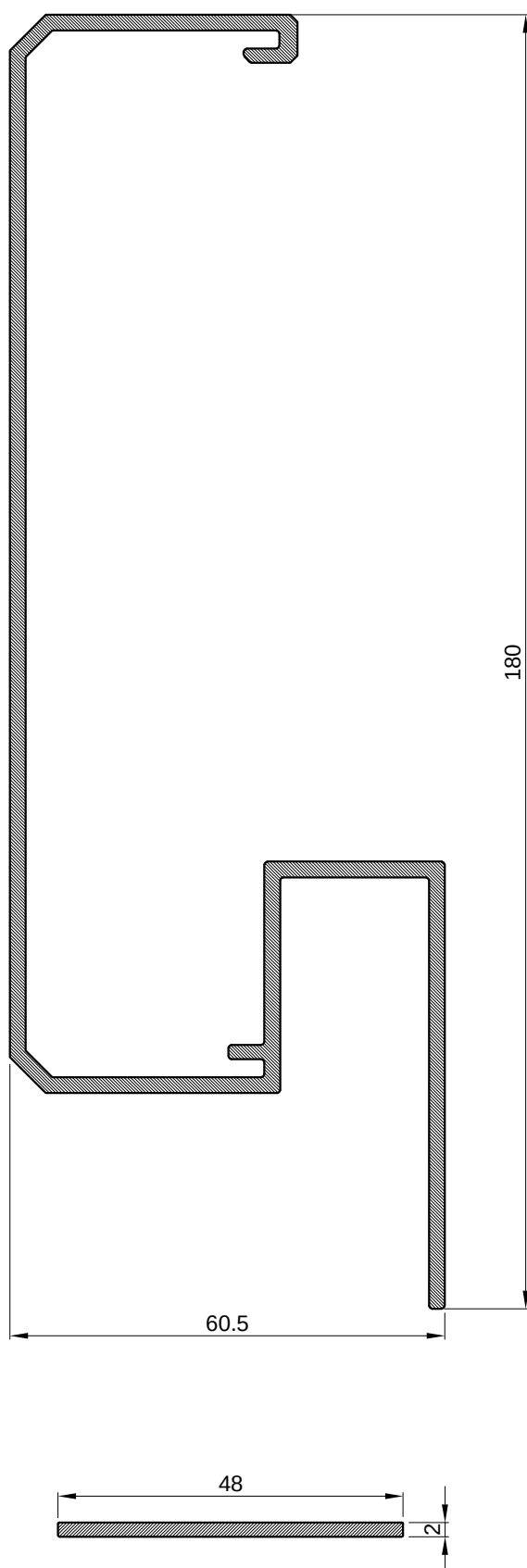
Profil za atiku Attic profile		
Art.Br. Art.Nr.	060807	
Težina Weight	kg/m'	0.96
Opseg Perimeter	mm	189.00
L	mm	6500



Držac poklopne lajsne Pressure plate		
Art.Br. Art.Nr.	F-0746	
Težina Weight	kg/m'	0.33
Opseg Perimeter	mm	143.65
L	mm	6500



Profil za spoj knaufa Profile for drywall connection		
Art.Br. Art.Nr.	F-0748	
Težina Weight	kg/m'	0.71
Opseg Perimeter	mm	276.60
L	mm	6500

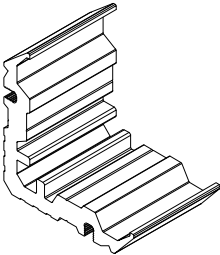
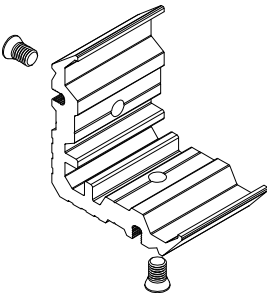
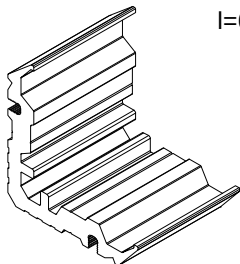
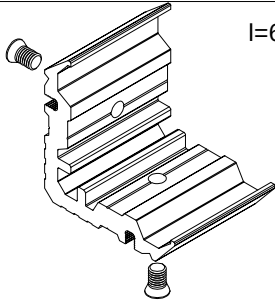
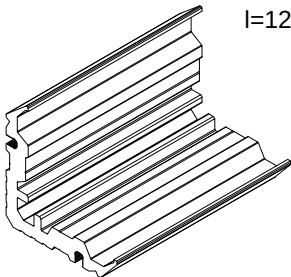
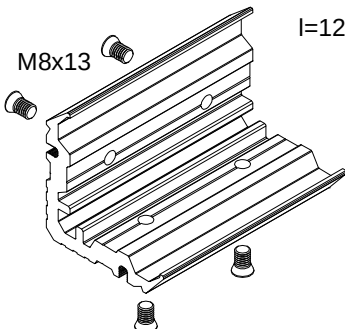


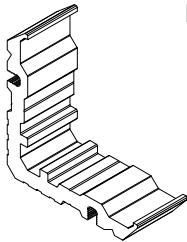
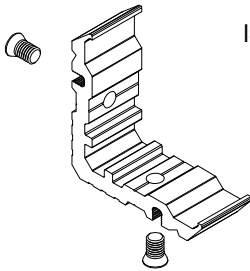
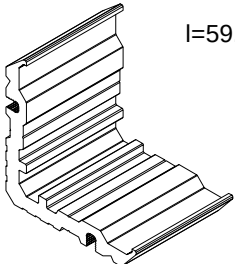
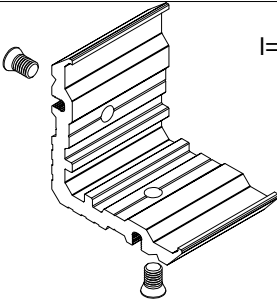
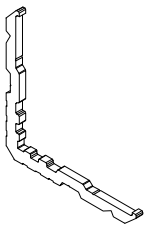
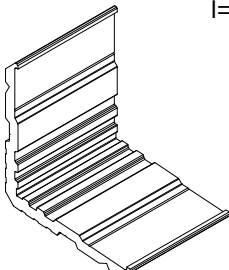
Profil oluka Gutter profile		
Art.Br. Art.Nr.	F-1159	
Težina Weight	kg/m'	2.05
Opseg Perimeter	mm	691.03
L	mm	6500

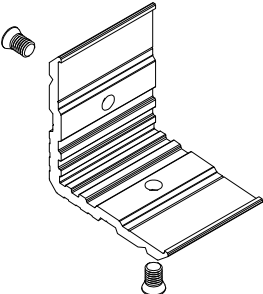
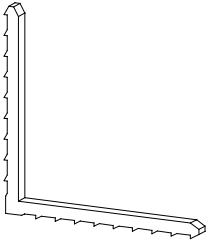
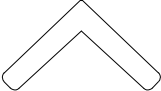
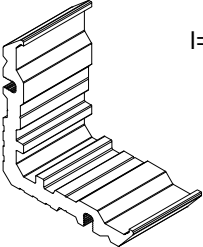
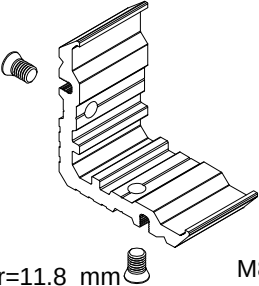
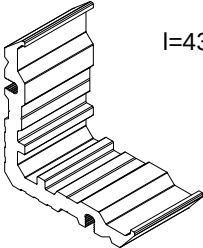
Profil unutar dilatacijske brtve Profile in dilatation gasket		
Art.Br. Art.Nr.	F-1653	
Težina Weight	kg/m'	0.26
Opseg Perimeter	mm	99.66
L	mm	6500

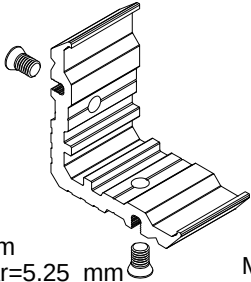
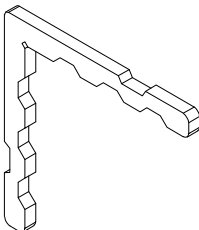
Vezni elementi

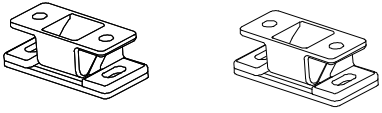
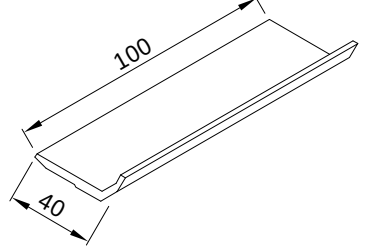
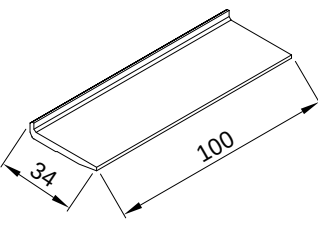
Connection elements

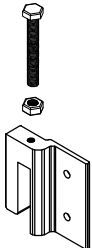
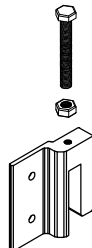
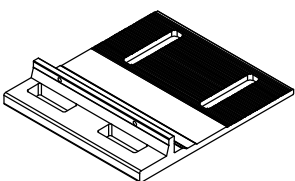
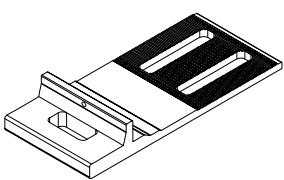
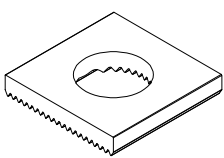
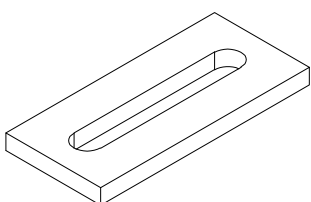
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
725.025	 I=53mm	- Kutna spojnica 16, L=53 - Corner bracket 16, L=53	Al.	
725.026	 I=53mm M8x13	- Kutna spojnica 16,L=53 (V) - Corner bracket 16, L=53 (V)	Al.	
725.036	 I=62.5mm	- Kutna spojnica 16,L=62.5 - Corner bracket 16, L=62.5	Al.	
725.037	 I=62.5mm M8x13	- Kutna spojnica 16,L=62.5 (V) - Corner bracket 16, L=62.5 (V)	Al.	
725.038	 I=125mm	- Kutna spojnica 16,L=125 - Corner bracket 16, L=125	Al.	
725.039	 I=125mm M8x13	- Kutna spojnica 16,L=125 (V) - Corner bracket 16, L=125 (V)	Al.	

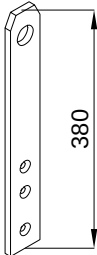
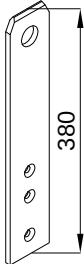
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
725.124	 l=30.5mm	- Kutna spojnica 12.5,L=30.5 - Corner bracket 12.5, L=30.5	Al.	
725.125	 l=30.5mm M8x13	- Kutna spojnica 12.5,L=30.5 (V) - Corner bracket 12.5, L=30.5 (V)	Al.	
725.126	 l=59.5mm	- Kutna spojnica 12.5,L=59.5 - Corner bracket 12.5, L=59.5	Al.	
725.127	 l=59.5mm M8x13	- Kutna spojnica 12.5,L=59.5 (V) - Corner bracket 12.5, L=59.5 (V)	Al.	
725.214	 l=4mm	- Kutna spojnica 8,L=4 - Corner bracket 8, L=4	Al.	
725.215	 l=59mm	- Kutna spojnica 8,L=59 - Corner bracket 8, L=59	Al.	

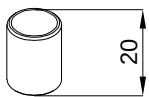
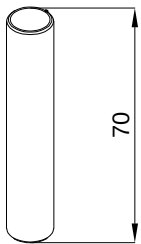
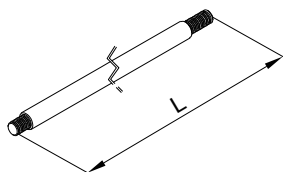
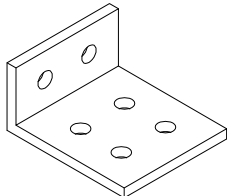
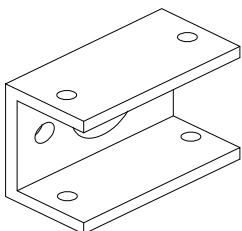
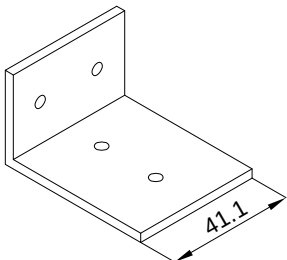
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
725.216	 l=59mm M8x10	- Kutna spojnica 8,L=59 (V) - Corner bracket 8, L=59 (V)	Al.	
725.602	 l=4mm	- Kutna spojnica 4.5,L=4 - Corner bracket 4.5, L=4	Al.	
730.002		- Kutna spojnica za komoru 4.8x2 - Stara oznaka: G112/A - Corner bracket for chamber 4.8x2 - Former code: G112/A	Inox	
725.118	 l=42mm	- Kutna spojnica 12.5,L=42 - Corner bracket 12.5, L=42	Al.	
725.120	 l=42mm Ekscentar=11.8 mm M8x13	- Kutna spojnica 12.5,L=42 (V) - Corner bracket 12.5, L=42 (V)	Al.	
725.129	 l=43,1 mm	- Kutna spojnica 12.5,L=43.1 - Corner bracket 12.5, L=43.1	Al.	

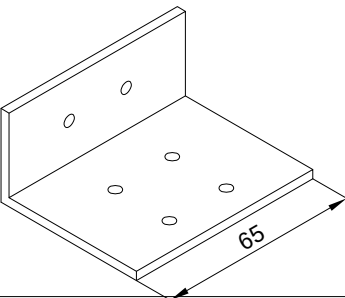
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
725.130	 l=43,1 mm Ekscentar=5.25 mm M8x13	- Kutna spojnica 12.5,L=43.1 (V) - Corner bracket 12.5, L=43.1 (V)	Al.	
725.401	 l=4,4mm	- Kutna spojnica 7.5,L=4.4 - Corner bracket 7.5, L=4.4	Al.	

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
132.016		- Element za pasivno ključanje - Oznaka dobavljača: 9-4470-00-0-0 - Upper passive locking element - Supplier code: 9-4470-00-0-0		
521.004		- Držać stakla - 40 mm - Glass support - 40 mm	Al.	
521.067		- Držać stakla (34x100) - Glass support	Al.	

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
501.034		- Sklop nosača fasade 70-E desni - Fasade 70-E anchor set right	Al	
501.035		- Sklop nosača fasade 70-E lijevi - Fasade 70-E anchor set right	Al	
521.249		- Nosiva ploča 250 mm - Load bearing plate 250 mm	Al	
521.257		- Nosiva ploča 125 mm - Load bearing plate 125 mm	Al	
521.260		- Al. podloška 40x40 mm (Ø 21) - Al. washer 40x40 mm (Ø 21)	Al	
521.252		- Pločica za fiksiranje nosača - Plate for anchor fixing	Al	

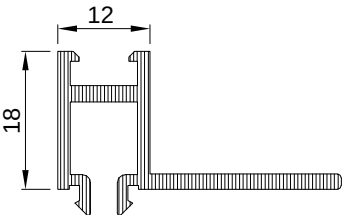
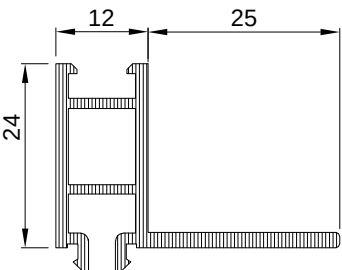
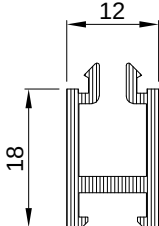
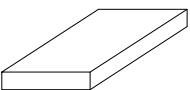
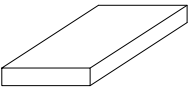
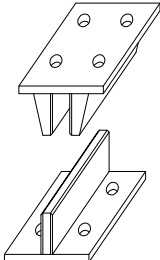
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
391.132		- Umetak za nošenje i fiksiranje - 54 x 10 mm - Bracket for transport and fixing - 54 x 10 mm	Al	
391.133		- Umetak za nošenje i fiksiranje - 70 x 8 mm - Bracket for transport and fixing - 70 x 8 mm	Al	

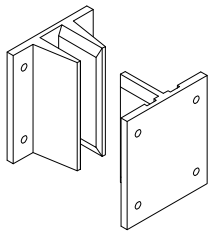
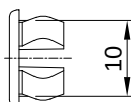
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
521.258		- Distancer za aluminijški nosač fasade - L=20 mm Ø 16/13 - Spacer for aluminium facade anchor - L=20 mm Ø 16/13	Inox	
521.259		- Distancer za aluminijški nosač fasade - L=70 mm Ø 16/13 - Spacer for aluminium facade anchor - L=70 mm Ø 16/13	Inox	
521.256		- Aluminijška šipka Ø10 sa navojem M8 - Aluminum rod Ø10 with thread M8	Al	
521.253		- L spojni element vodoravne i okomite prečke - L connection element of vertical and horizontal crossbar	Al	
521.254		- C spojni element vodoravne i okomite prečke - C connection element of vertical and horizontal crossbar	Al	
521.305		- Spojni element vodoravne i okomite prečke l=41.1 - L connection element of vertical and horizontal crossbar l=41.1	Al	

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
521.306		- Spojni element vodoravne i okomite prečke l=65 - L connection element of vertical and horizontal crossbar l=65	Al	

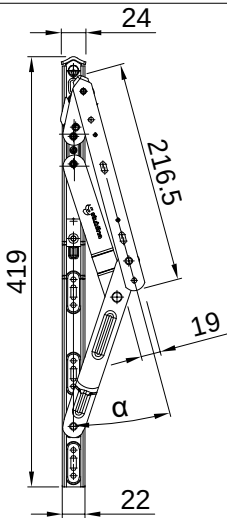
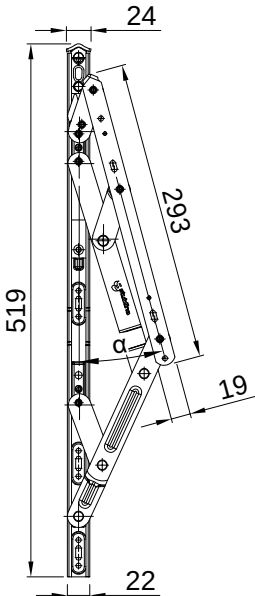
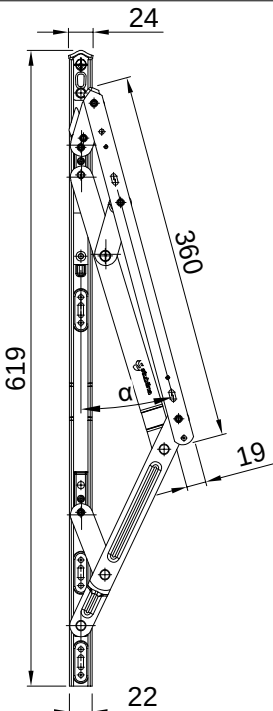
PVC elementi

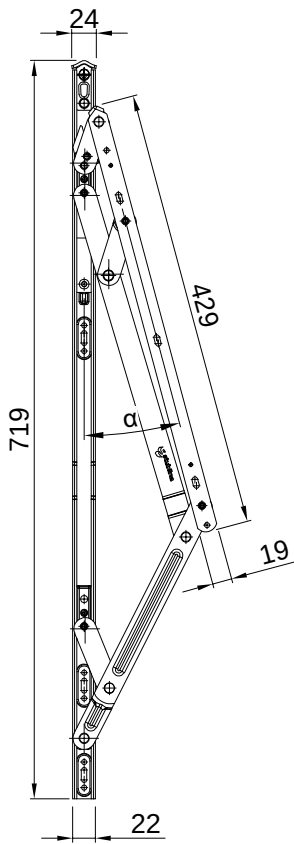
PVC elements

Oznaka Code	Izgled-presjek View- cross section	Opis Description	Materijal Material	Nap. Remark
374.010		- Parapetni fasadni umetak s perom 18 mm - Facade spandrel spacer with feather 18 mm	PVC	
374.011		- Parapetni fasadni umetak s perom 24 mm - Facade spandrel spacer with feather 24 mm	PVC	
374.071		- Parapetni fasadni umetak 18 mm - Facade spandrel insert 18 mm	PVC	
370.031		- Podmetači za staklo 100 x 30 x 2 mm - Kod proizvođača: BO 51 200 32 - Glass packer 100 x 30 x 2 mm - Manufacturer code: BO 51 200 32	PVC	
370.030		- Podmetači za staklo 100 x 20 x 2 mm - Kod proizvođača: BO 51 200 02 - Glass packer 100 x 20 x 2 mm - Manufacturer code: BO 51 520 02	PVC	
375.052		- Usmjerivači elementa - Unit positioners	Pa 6 30% GF	

Oznaka Code	Izgled-presjek View- cross section	Opis Description	Materijal Material	Nap. Remark
373.064		- Usmjerivači elementa - dilatacija +/-10 mm - unit positioners - dilatation +/-10 mm	Pa 6 30% GF	
370.052.01 .02 .03		- Čep za maskiranje rupe Ø22 mm - Boje: 01- bijela; 02 - siva;03 - crna - Plug for drilled holes Ø22 mm - Colours: 01-white; 02-grey; 03-black	PVC	
370.023		- Čep za maskiranje rupe Ø10 mm - Plug for drilled holes Ø10 mm	PVC	

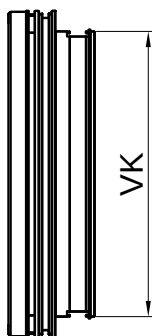
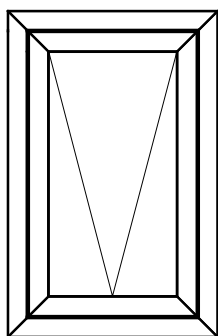
Mehanizmi Mechanisms

Oznaka Code	Kod proizvođača Manufacturer code	Makaze fasadnog ventusa Hung vent friction stays	Opis Description	Materijal Material	Proizvođač Manufacturer
134.019	4060.05.55 4060.05.55R		- Škare fasadnog ventusa - visina krila 600 mm-1200 mm-set - Facade ventus stays - sash height 600 mm-1200 mm-set	Inox	Stublina
134.020	4060.07.55 4060.07.55R		- Škare fasadnog ventusa - visina krila 1200 mm-1600 mm-set - Facade ventus stays - sash height 1200 mm-1600 mm-set	Inox	Stublina
134.021	4060.08.55 4060.08.55R		- Škare fasadnog ventusa - visina krila 1600 mm-1800 mm-set - Facade ventus stays - sash height 1600 mm-1800 mm-set	Inox	Stublina

Oznaka Code	Kod proizvođača Manufacturer code	Makaze fasadnog ventusa Hung vent friction stays	Opis Description	Materijal Material	Proizvođač Manufacturer
134.022	4060.09.55 4060.09.55R		- Škare fasadnog ventusa - visina krila 1800 mm-2000 mm-set - Facade ventus stays - sash height 1800 mm-2000 mm-set	Inox	Stublina

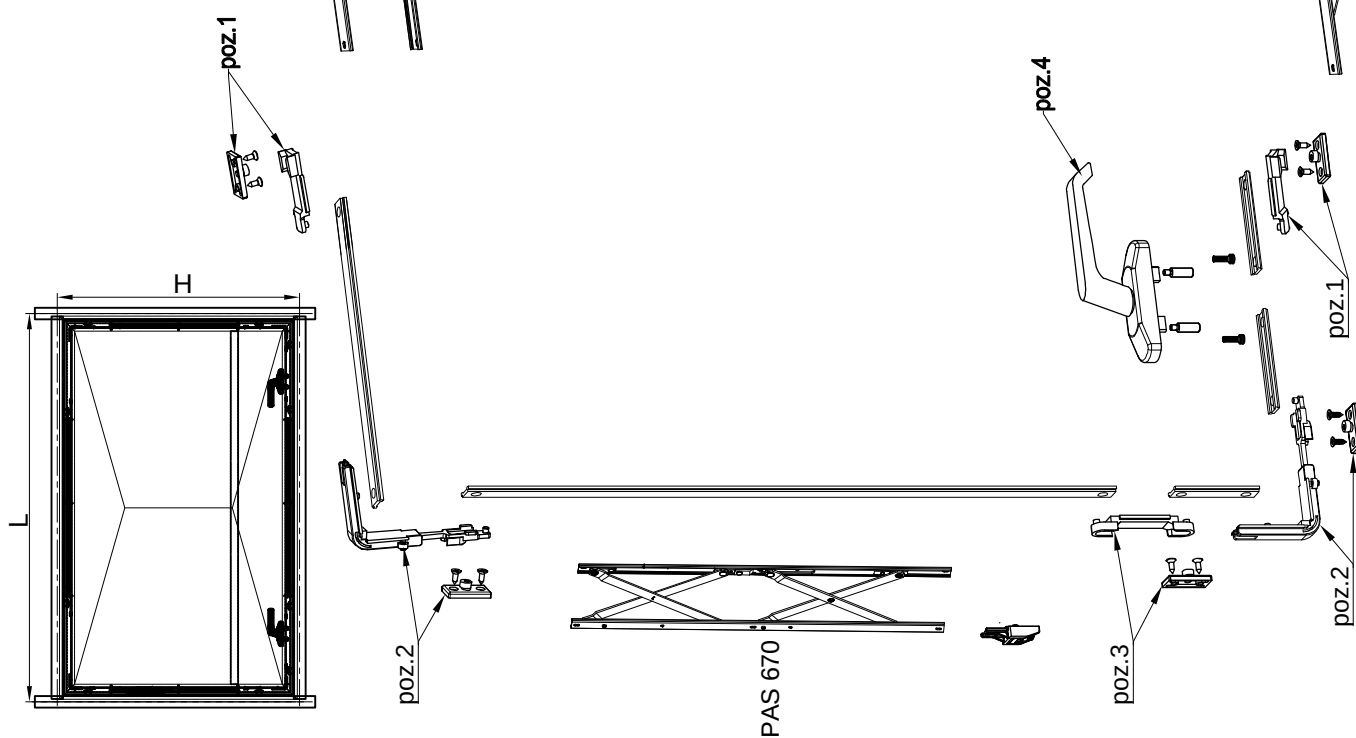
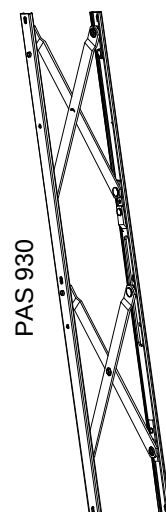
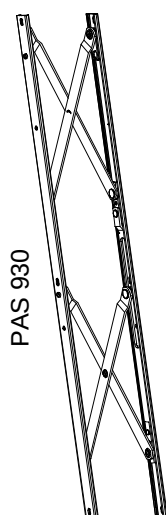
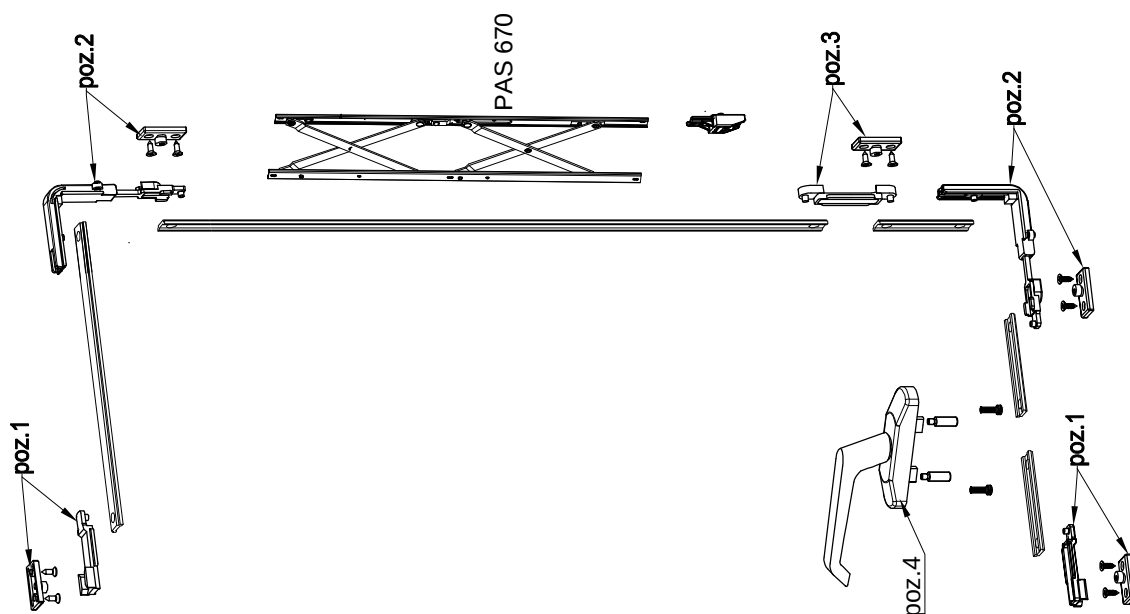
- IZBOR VELIČINE MAKAZE ZA FASADNE PROFILE

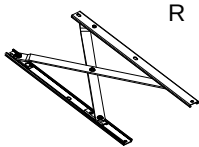
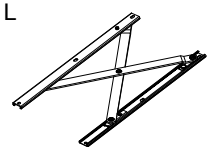
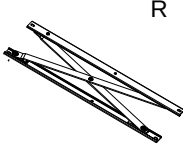
- FRICTION STAYS SIZE SELECTION FOR FACADE PROFILES

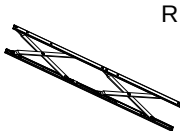
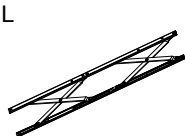
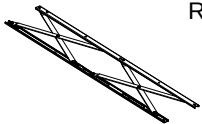
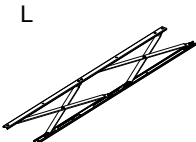


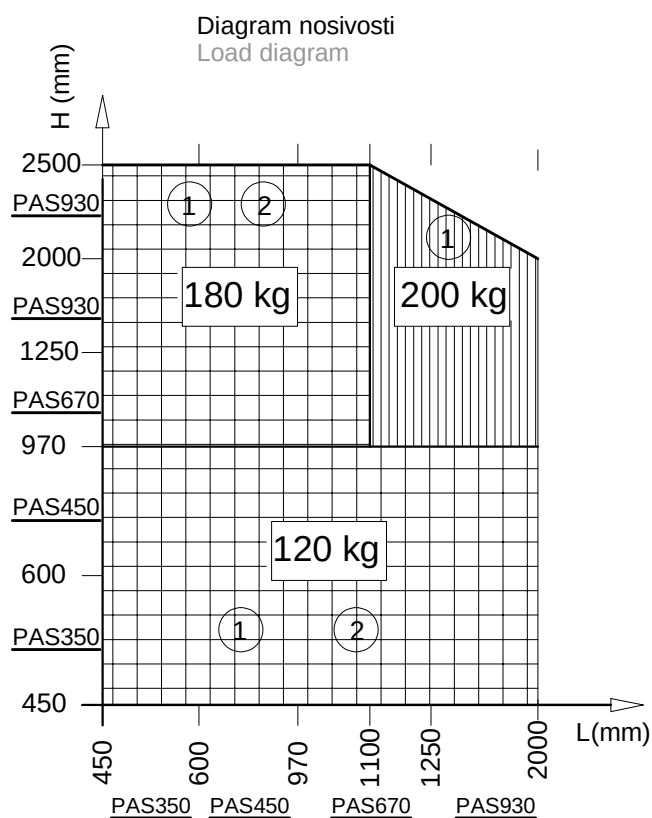
Izbor makaze na osnovu visine krila (Vk) <i>Stays selection based on the sash height (Vk)</i>								
	134.019		134.020		134.021		134.022	
Vk [mm]	min		1200		1600		1800	
	max		1200		1600		2000	
α	25°	30°	20°	25°	15°	20°	15°	20°

Okov fasadnog prozora- paralelno ručno otvaranje sa mogućnošću zaključavanja u više točaka + makaze za paralelno otvaranja
Facade opening hardware - parallel manual opening with option of locking in multiple points + parallel stay



Oznaka Code	Kod proizvođača Manufacturer code	Makaze paralelnog otvaranja Parallel stays	Opis Description	Materijal Material	Proizvođač Manufacturer
132.005 D	6-34810-00-R-8	PAS350 	- Škare paralelnog otvaranja PAS350-desna - Parallel opening stays PAS350-right	Inox	G-U
132.005 L	6-34810-00-L-8	PAS350 	- Škare paralelnog otvaranja PAS350-lijeva - Parallel opening stays PAS350-left	Inox	G-U
132.006 D	6-34811-00-R-8	PAS450 	- Škare paralelnog otvaranja PAS450-desne - Parallel opening stays PAS450-right	Inox	G-U
132.006 L	6-34811-00-L-8	PAS450 	- Škare paralelnog otvaranja PAS450-lijeve - Parallel opening stays PAS450-left	Inox	G-U

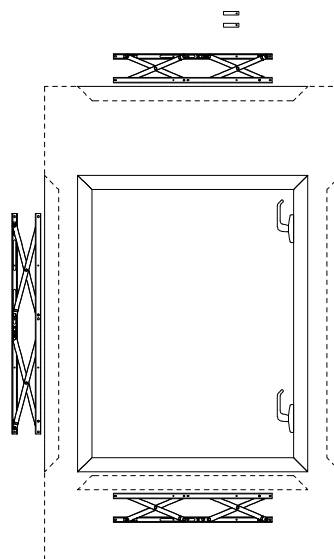
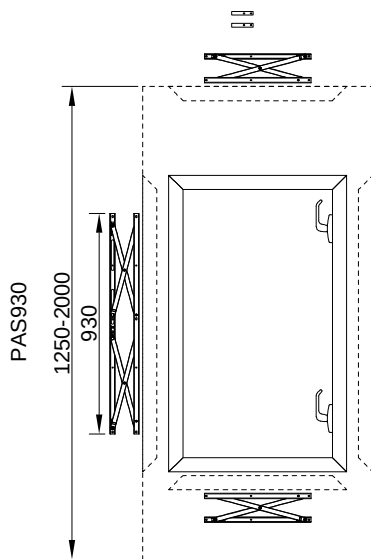
Oznaka Code	Kod proizvođača Manufacturer code	Makaze paralelnog otvaranja Parallel stays	Opis Description	Materijal Material	Proizvođač Manufacturer
132.007 D	6-34812-00-R-8	PAS670  R	- Škare paralelnog otvaranja PAS670-desne - Paralel opening stays PAS670-right	Inox	G-U
132.007 L	6-34812-00-L-8	PAS670  L	- Škare paralelnog otvaranja PAS670-lijeve - Paralel opening stays PAS670-left	Inox	G-U
132.008 D	6-34813-00-R-8	PAS930  R	- Škare paralelnog otvaranja PAS930-desne - Paralel opening stays PAS930-right	Inox	G-U
132.008 L	6-34813-00-L-8	PAS930  L	- Škare paralelnog otvaranja PAS930-lijeve - Paralel opening stays PAS930-left	Inox	G-U

Dijagram nosivosti makaza G-U
Load diagram of G-U parallel stays

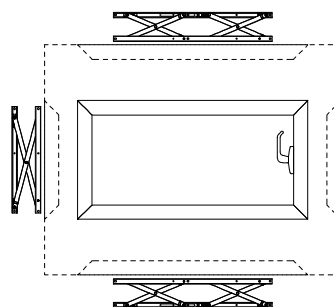
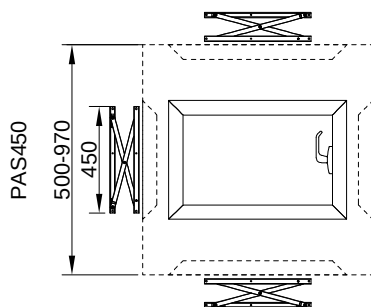
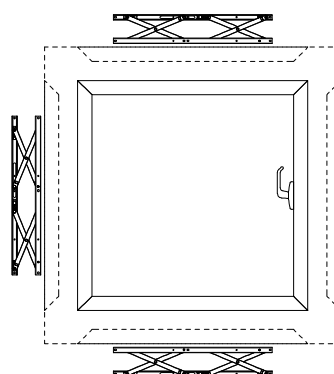
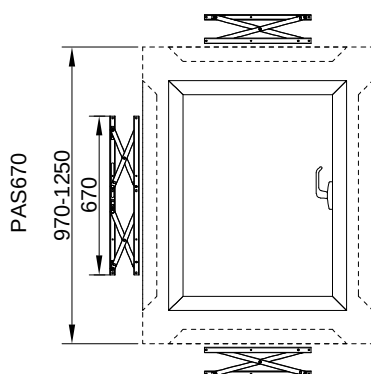
- ① — Otvaranje elektromotorom
- ① — Opened with a motor
- ② — Ručno otvaranje
- ② — Manually opened

2x HB2 graničnik staviti na 150 mm
jedan sa svake strane okvira
2x HB2 spacer to be placed 150 mm
from each side of the opening

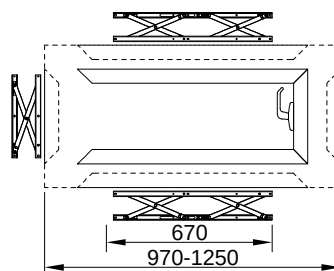
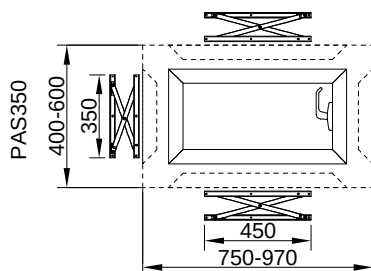
2x HB2 graničnik staviti na 150 mm
jedan sa svake strane okvira
2x HB2 spacer to be placed 150 mm
from each side of the opening



dvije ručke prema dolje
two handles downwards



jedna ručka prema dolje
one handle downwards

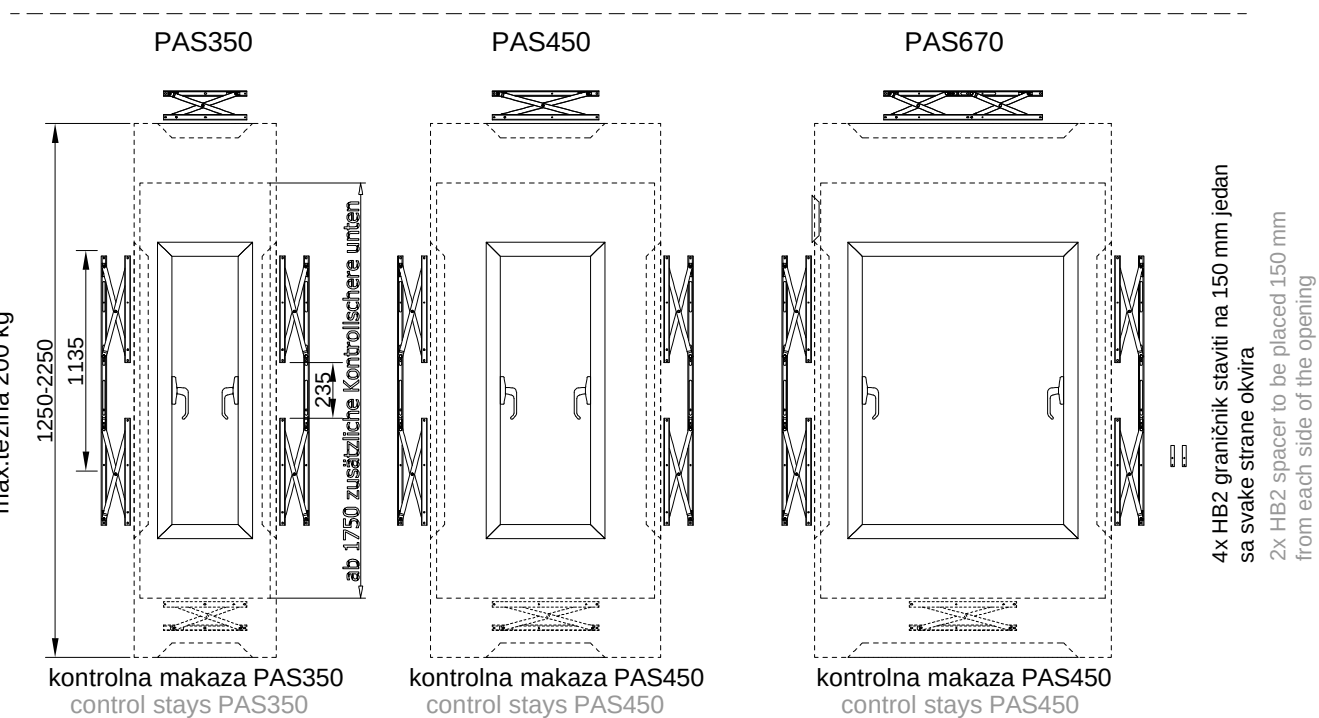


PAS450
max.težina 100 kg
PAS450
max.weight 100 kg

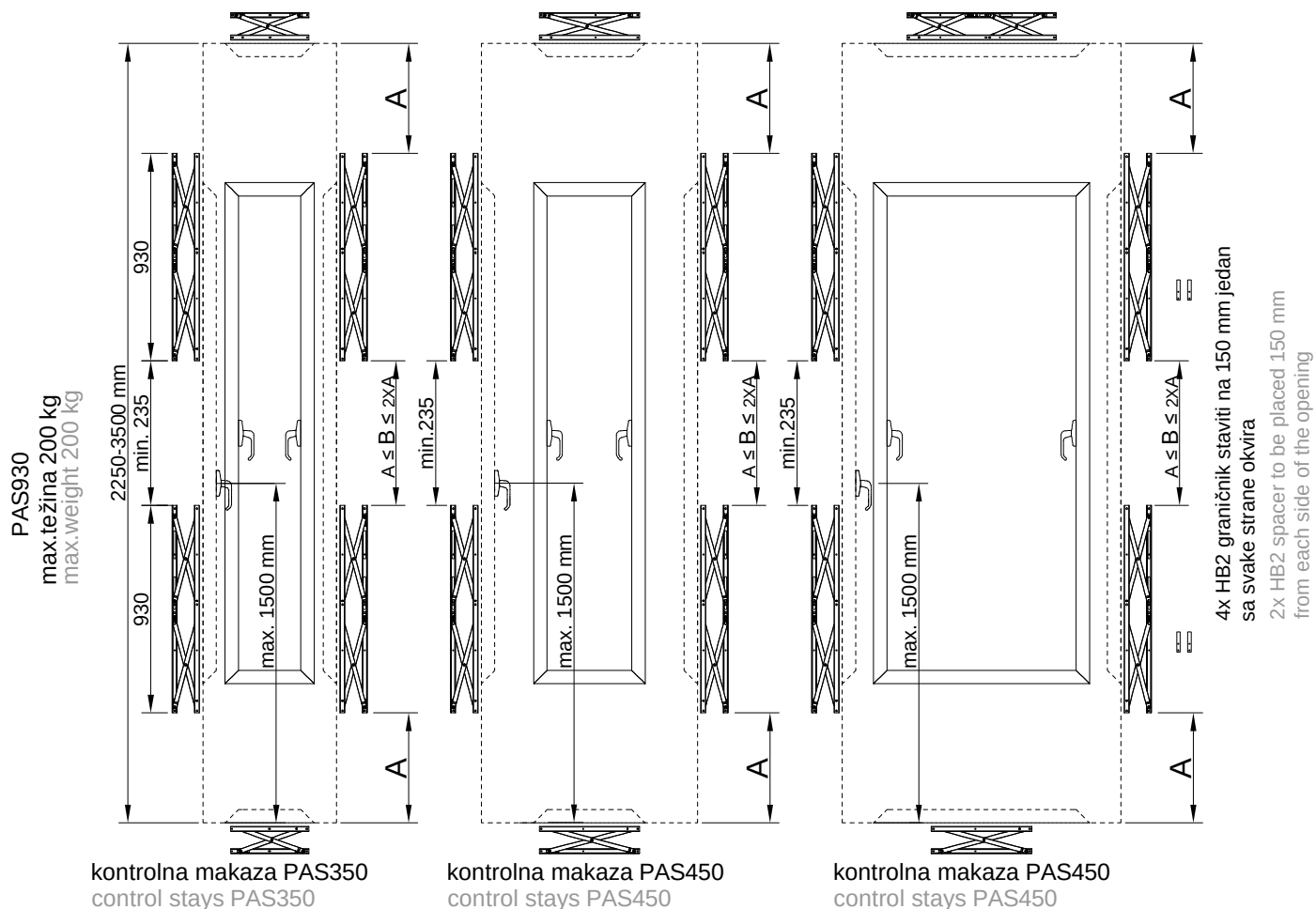
PAS450
max.težina 200 kg
PAS450
max.weight 200 kg

IZBOR SCHEMA ZA RUČNO PARALELNO OTVARANJE G-U
POSITIONING AND SELECTION OF PARALLEL STAYS G-U

IZBOR SHEMA ZA RUČNO PARALELNO OTVARANJE-G-U SELECTION AND POSITIONING OF G-U PARALLEL STAYS FOR PARALLEL

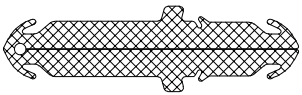
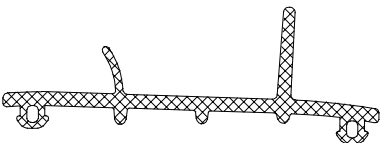
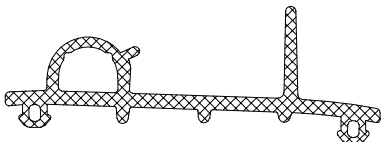
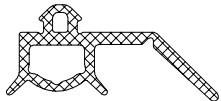
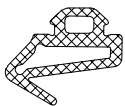


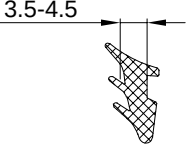
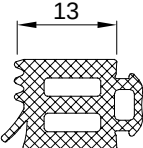
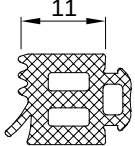
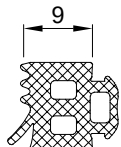
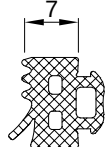
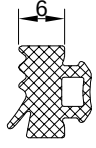
dvije ručke na bočnim stranama two handles on the sides

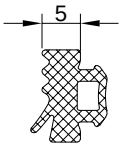
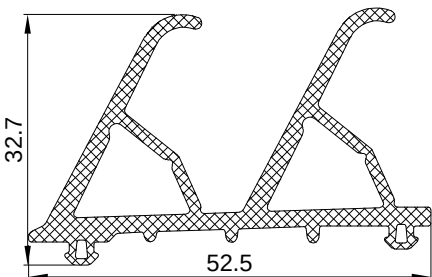
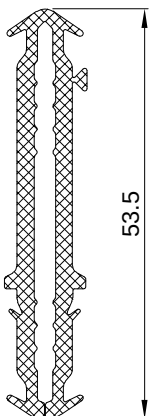
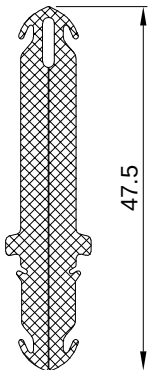


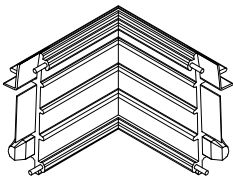
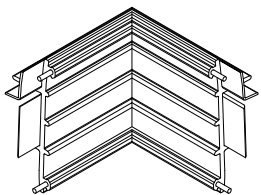
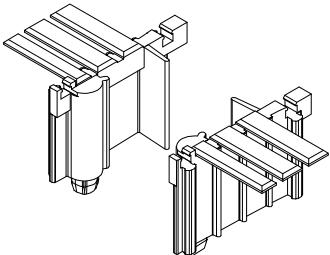
- zaključavanja ne smije prekoračiti visinu od 1500 mm - locking points must not exceed 1500 mm in height

Brtve Gaskets

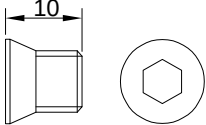
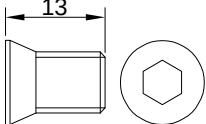
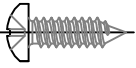
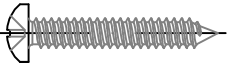
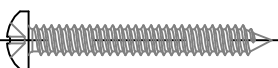
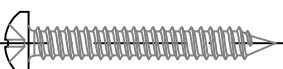
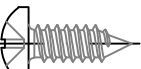
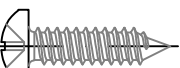
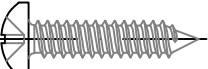
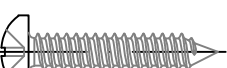
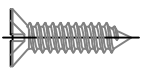
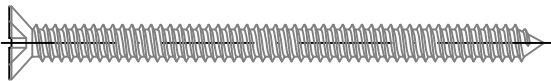
Oznaka Code	Izgled-presjek View- cross section	Opis Description	Materijal Material	Tvrdoća Hardness (ShA)
344.011		- Brtva za vezu-dilatacija profila - Stara oznaka: 02781/S - Dilatation gasket between units - Former code: 02781/S	TPE	71
351.022		- Centralna vanjska brtva samo na krilu ventusa - Central exterior gasket on vent sash	EPDM	71
358.023		- Centralna vanjska brtva -70E - Central exterior gasket -70E	EPDM	71
351.033		- Centralna brtva - Central gasket	EPDM	55
351.026		- Centralna brtva - Central gasket	EPDM	65
351.024		- Unutarnja brtva prema otvoru - Interior gasket on the sash	EPDM	71

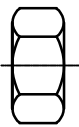
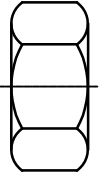
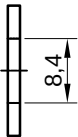
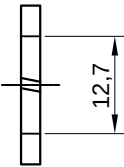
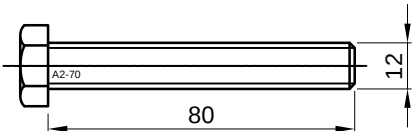
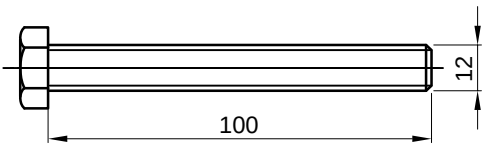
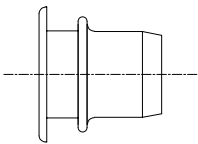
Oznaka Code	Izgled-presjek View- cross section	Opis Description	Materijal Material	Tvrdoća Hardness (ShA)
318.002		- Brtva prema staklu-unutarnja (4mm) - Glazing gasket - interior (4mm)	EPDM	71
358.017		- Brtva prema staklu - unutarnja (13 mm) - Glazing gasket - interior (13 mm)	EPDM	71
358.016		- Brtva prema staklu - unutarnja (11 mm) - Glazing gasket - interior (11 mm)	EPDM	71
358.015		- Brtva prema staklu - unutarnja (9 mm) - Glazing gasket - interior (9 mm)	EPDM	71
358.014		- Brtva prema staklu - unutarnja (7 mm) - Glazing gasket - interior (7 mm)	EPDM	71
351.009		- Brtva prema staklu - unutarnja (6 mm) - Glass gasket - interior (6 mm)	EPDM	71

Oznaka Code	Izgled-presjek View- cross section	Opis Description	Materijal Material	Tvrdoća Hardness (ShA)
358.013		- Brtnica prema staklu - unutarnja (5 mm) - Glazing gasket - interior (5 mm)	EPDM	71
351.034		- Centralna brtnica -70E - Za dilataciju +/- 10 mm - Central gasket -70E - For dilatation +/- 10 mm	EPDM	70 (ShA)
351.035		- Brtnica za vezu-dilatacija profila okomice za dilataciju +/- 10 mm Tip C - Dilatation gasket between units for dilatation +/- 10 mm Type C	EPDM	70 (ShA)
344.097		- Brtnica za vezu-dilatacija profila okomice za dilataciju +/- 10 mm Tip A - Dilatation gasket between units For dilatation +/- 10 mm Type A	TPE	71

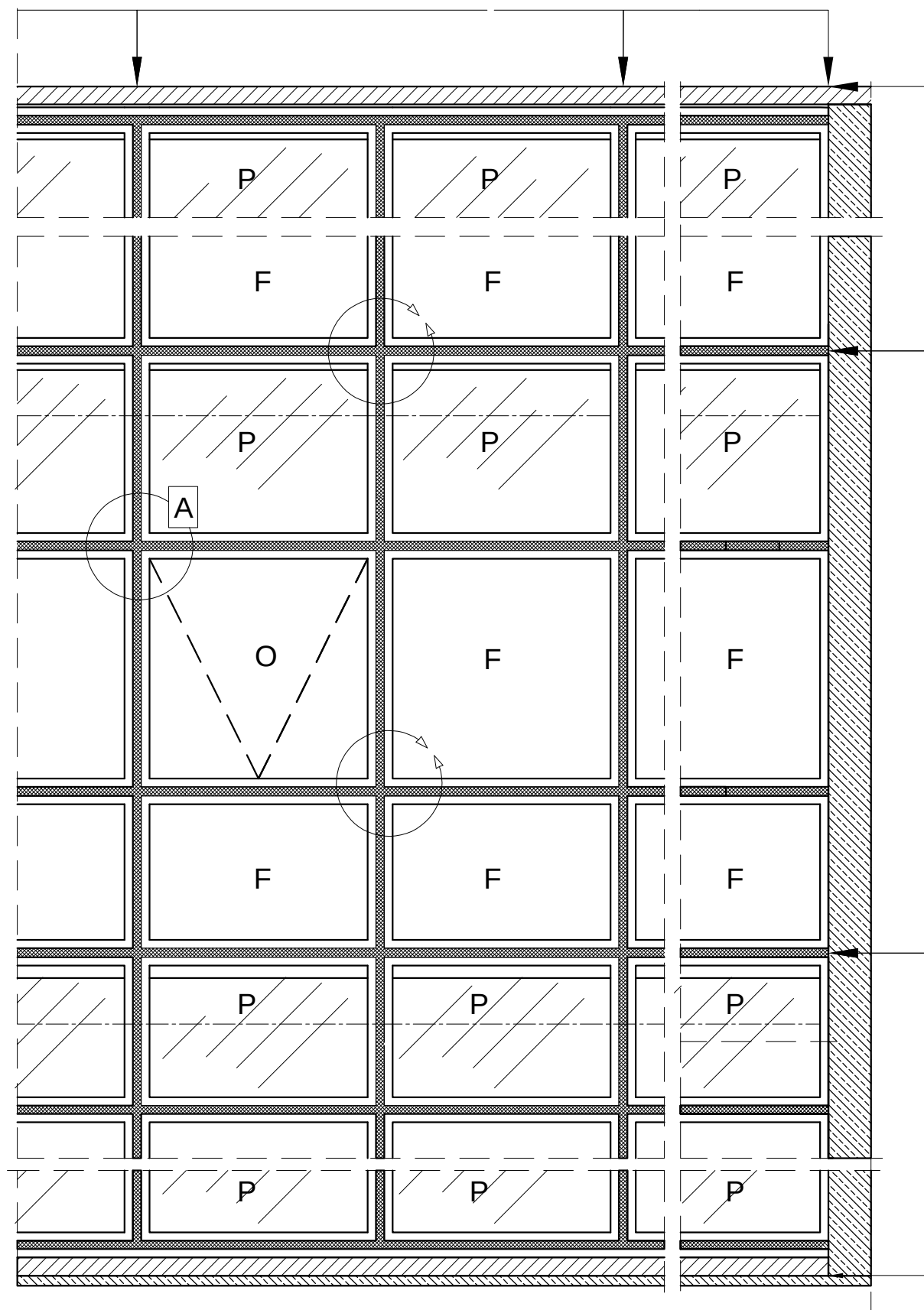
Oznaka Code	Izgled-presjek View- cross section	Opis Description	Materijal Material	Tvrdoća Hardness (ShA)
366.013		- Kutna spojnica za brtvu 351.023 - Corner connection for gasket 351.023	EPDM	35±5
366.014		- Kutna spojnica za brtvu 351.022 - Corner connection for gasket 351.022 Former code: 020017/K	EPDM	35±5
366.017		- Kutna spojnica za brtvu 351.023 - Dilatacija +/- 10 mm - Par L+D - Corner connection for gasket 351.023 - Dilatation +/- 10 mm - Pair L+R	EPDM	35±5

Dodaci Accessories

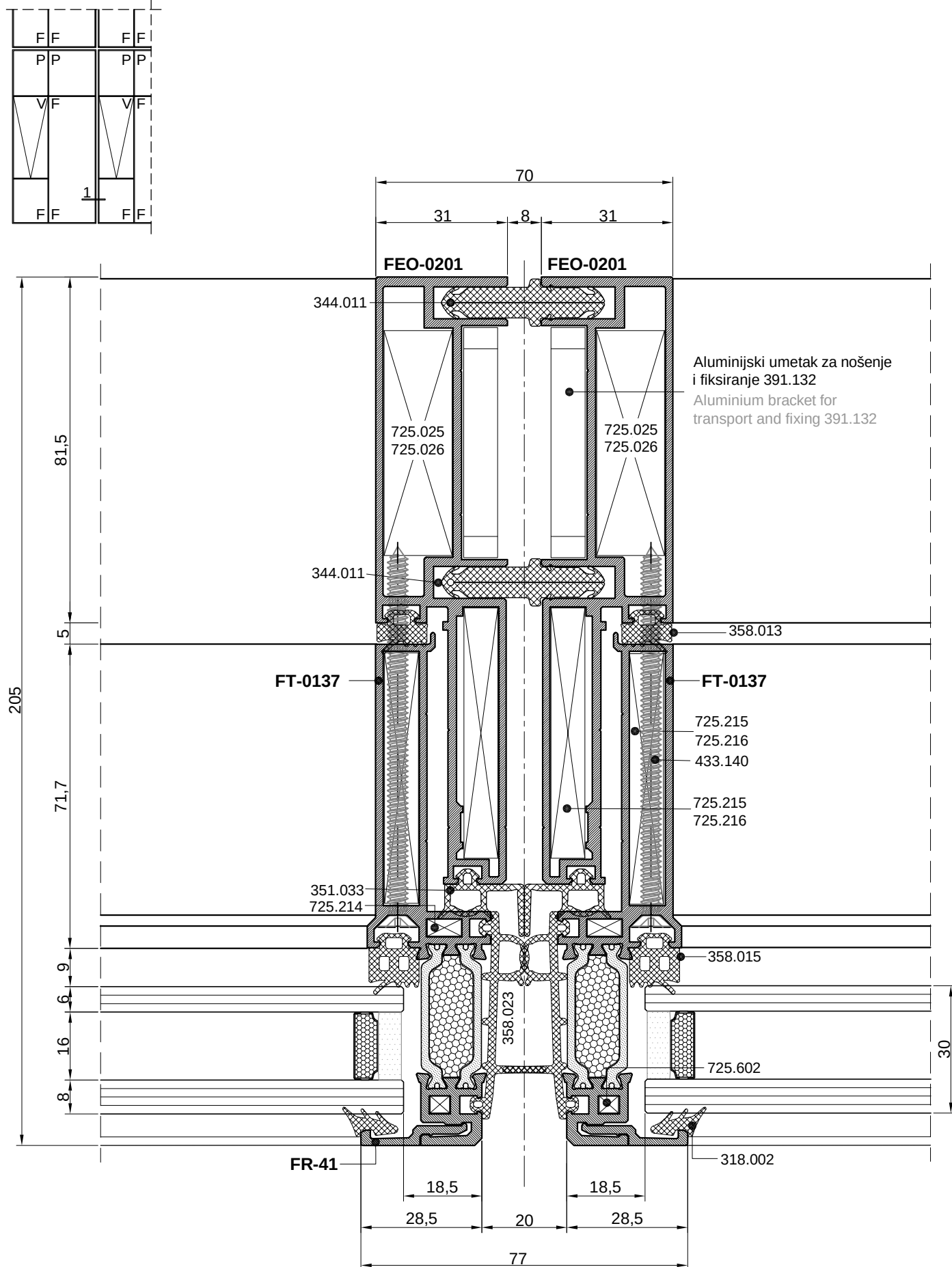
Oznaka Code	Izgled-presjek View- cross section	Opis Description	Materijal Material	Nap. Remark
431.265		M8x10 tip Feal	Pocinčani čelik Galvanized steel	
431.266		M8x13 tip Feal	Pocinčani čelik Galvanized steel	
433.016		3.9x13 DIN 7981	Inox A2	
433.020		3.9x25 DIN 7981	Inox A2	
433.021		3.9x32 DIN 7981	Inox A2	
433.033		4.2x32 DIN 7981	Inox A2	
433.041		4.8x13 DIN 7981	Inox A2	
433.043		4.8x19 DIN 7981	Inox A2	
433.044		4.8x22 DIN 7981	Inox A2	
433.045		4.8x32 DIN 7981	Inox A2	
433.105		3.9x16 DIN 7982	Inox A2	
433.140		4.8x90 DIN 7982	Inox A2	
434.007		FN 4/7 Alu	Al	

Oznaka Code	Izgled-presjek View- cross section	Opis Description	Materijal Material	Nap. Remark
432.005		- Matica M8 Nut M8 - DIN 934	Inox A2	
432.007		- Matica M12 Nut M12 - DIN 934	Inox A2	
432.104		- Podloška F8 Washer F8 - DIN 127	Inox A2	
432.115		- Podloška U14 Washer U14 - DIN 125	Inox A2	
431.114	M1:2 	-Vijak M12x80 Screw M12x80 DIN 933	Inox A2	
431.116	M1:2 	-Vijak M12x100 Screw M12x100 DIN 933	Inox A2	
434.052		- Zakivna matica - Rivet nut M8x16 W-948	Pocinčani čelik Galvanized steel	

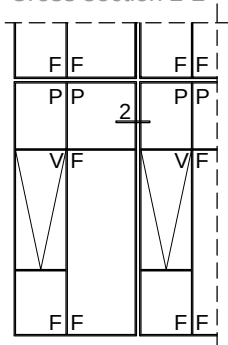
70 E tip type A



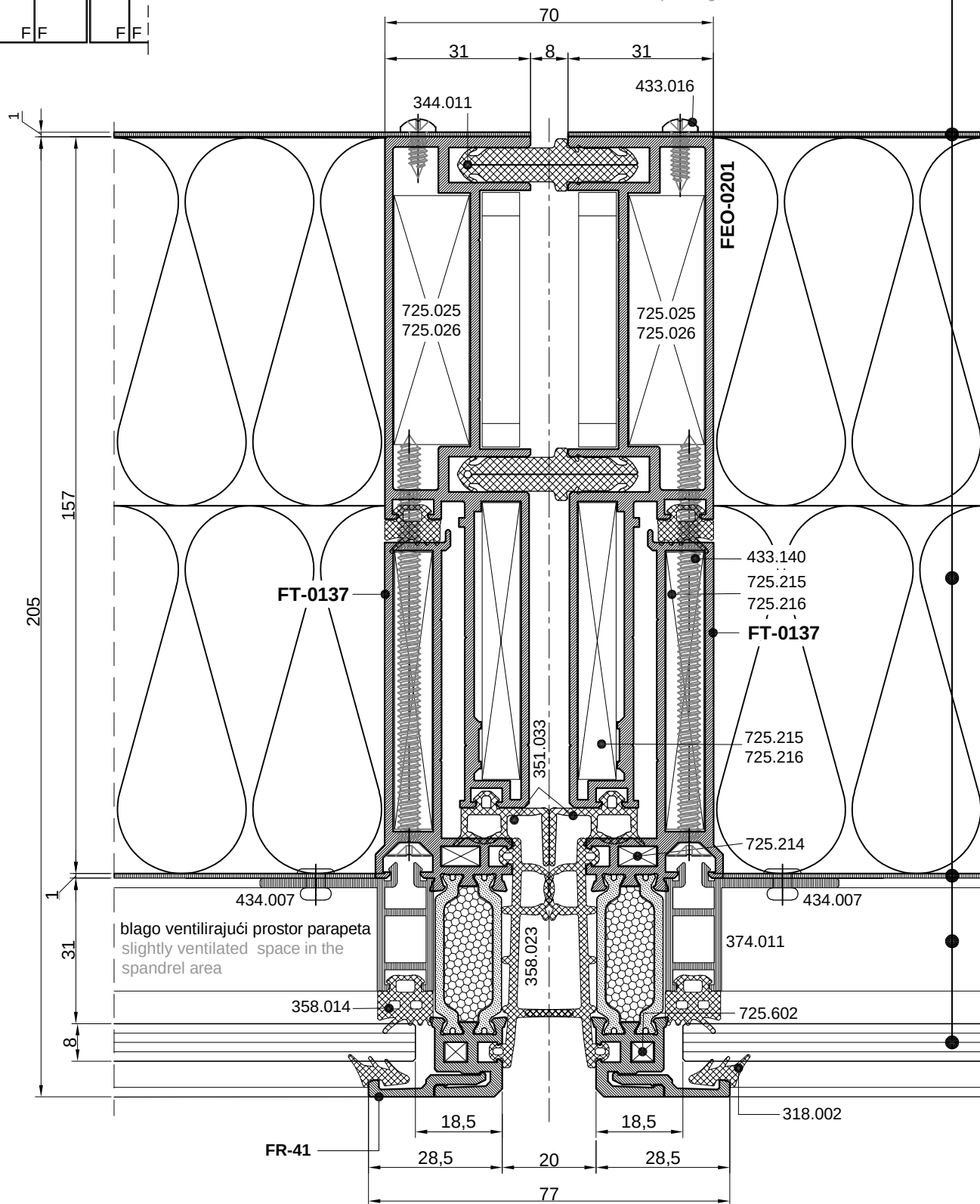
Presjek 1-1
Cross section 1-1



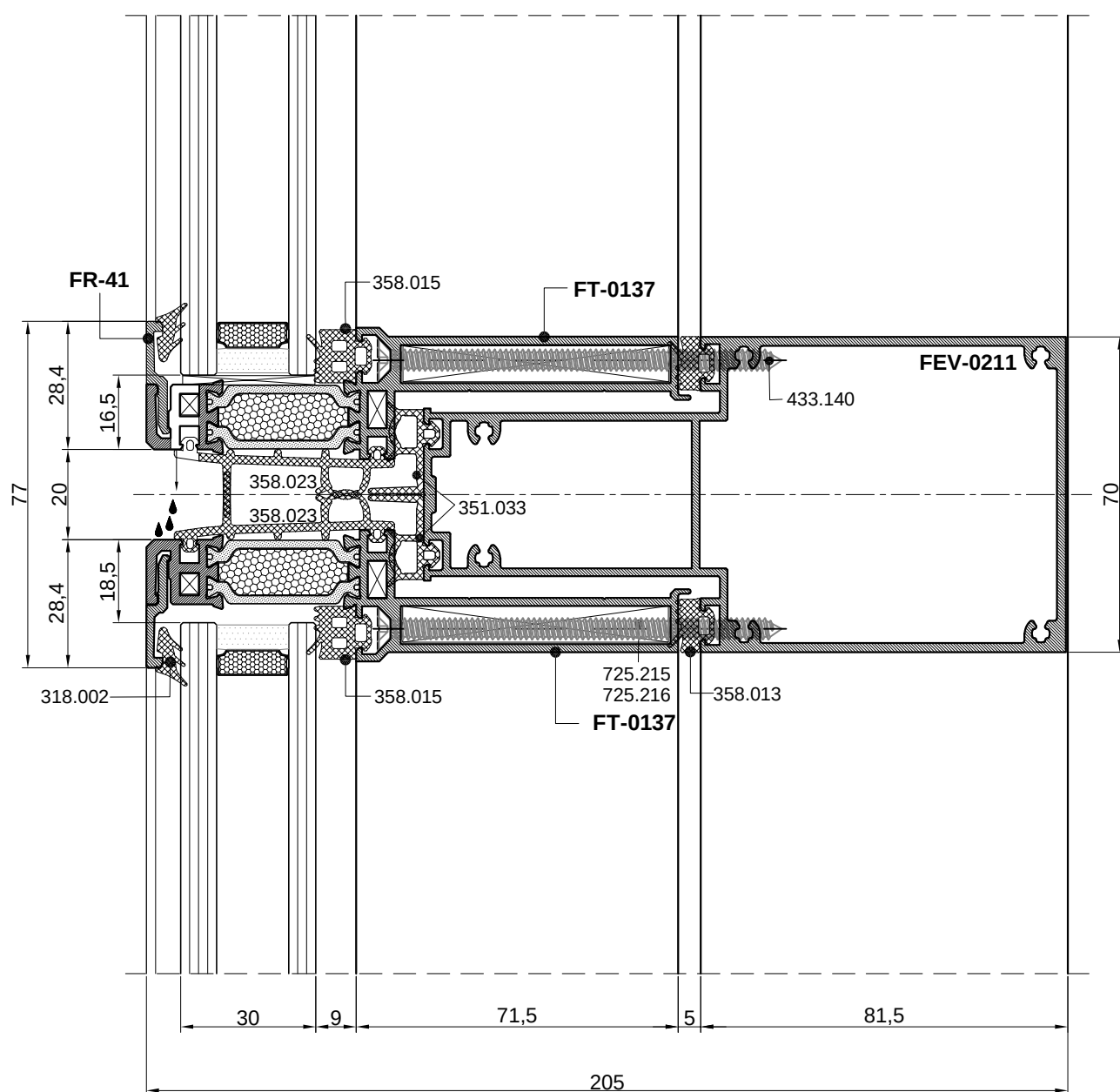
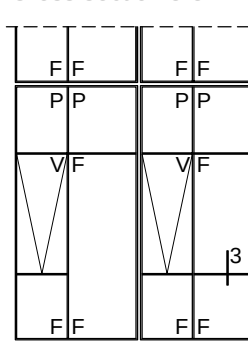
Presjek 2-2
Cross section 2-2



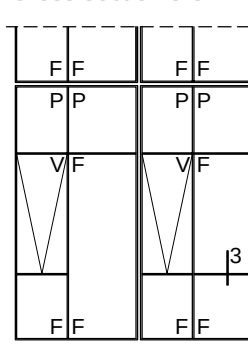
- Pocinčani čelični lim 1,0mm
- Galvanized steel sheet 1,0mm
- Kamena vuna 157mm (90kg/m3)
- Stone wool 157mm (90kg/m3)
- Pocinčani čelični lim 1,0mm
- Galvanized steel sheet 1,0mm
- Ventilirani zračni prostor 31mm
- Ventilated air space 31mm
- Kaljeno staklo 8mm-emajlirano
- Tempered glass 8mm-enamelled



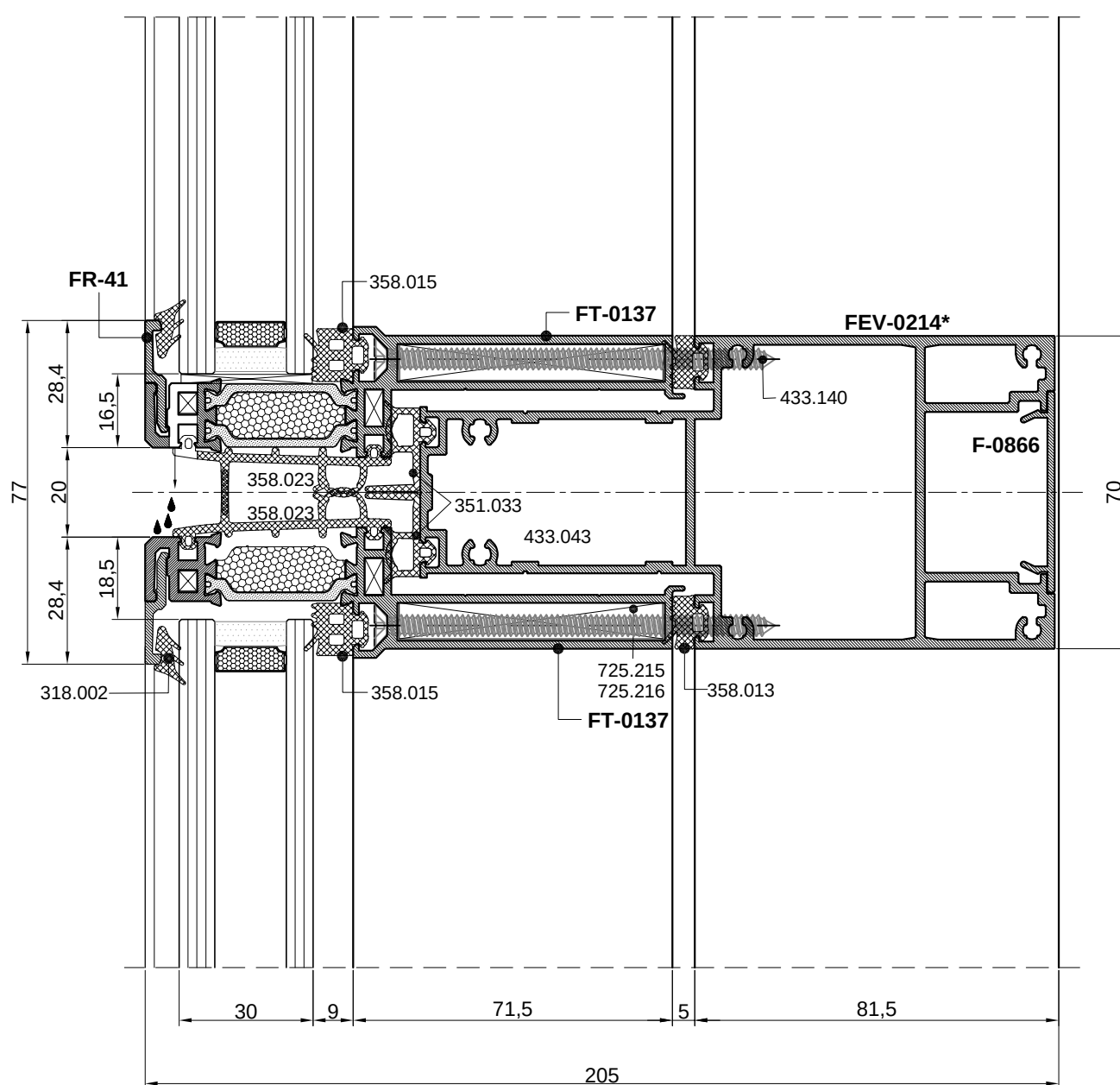
Presjek 3-3
Cross section 3-3

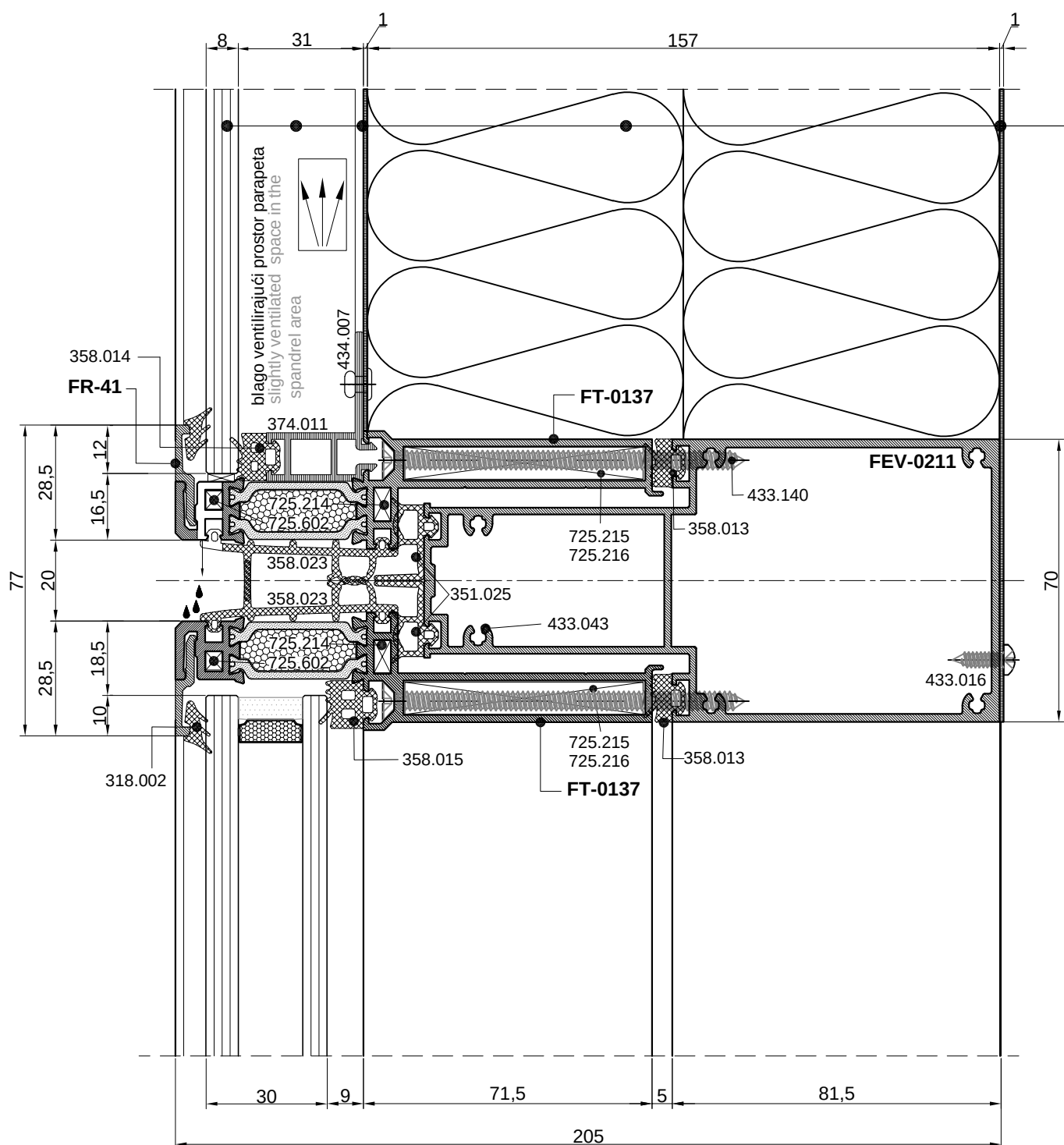
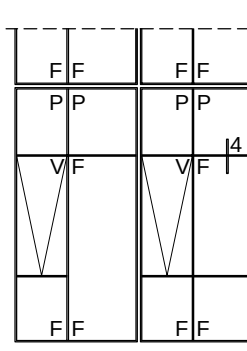


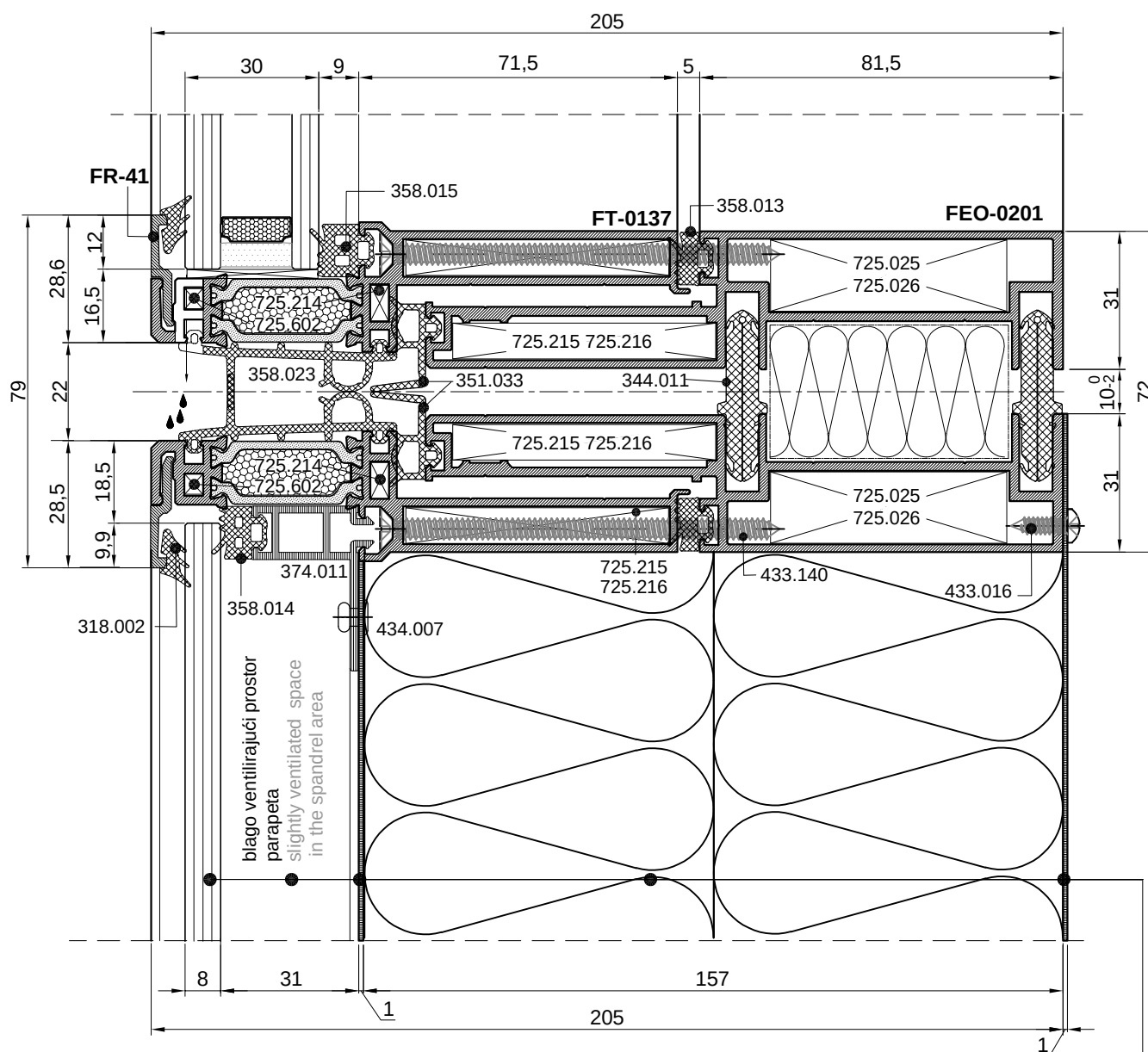
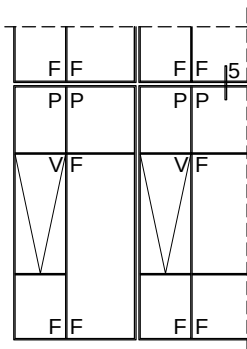
Presjek 3-3
Cross section 3-3



*Profil prečke FEV-0214 se koristi ukoliko postoji spoj prečke na prečku
*Crossbar FEV-0214 is used when there is crossbar-crossbar joint

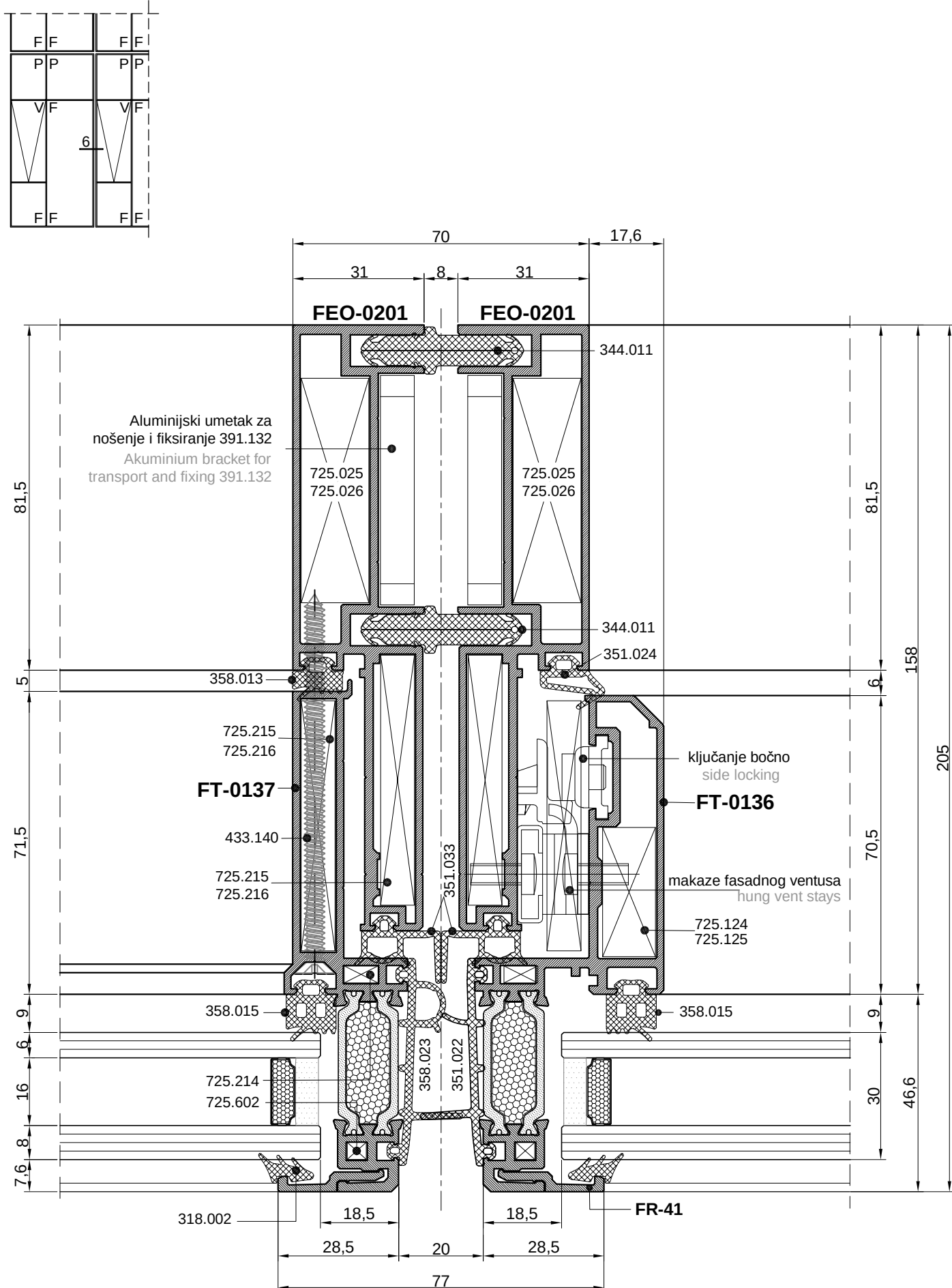


Presjek 4-4
Cross section 4-4

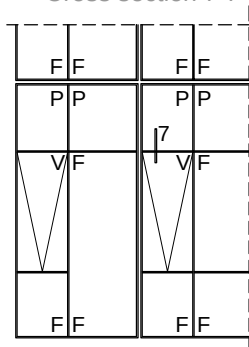
Presjek 5-5
Cross section 5-5

- Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
- Kamena vuna 157mm (90kg/m3)
Stone wool 157mm (90kg/m3)
- Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
- Ventilirani zračni prostor 31mm
Ventilated air space 31mm
- Kaljeno staklo 8mm-emajlirano
Tempered glass 8mm-enamelled

Presjek 6-6
Cross section 6-6



Presjek 7-7
Cross section 7-7

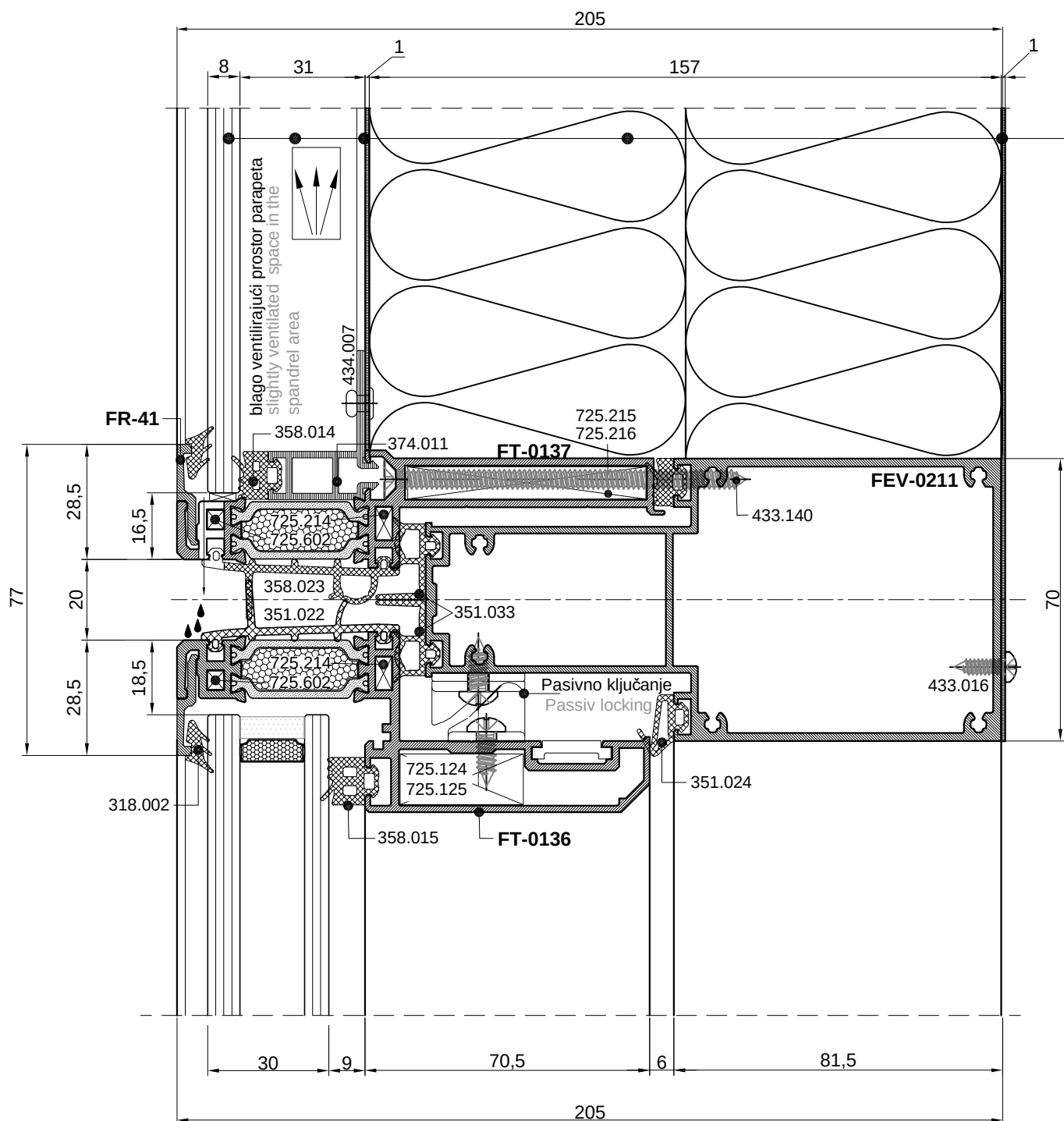


Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
Kamena vuna 157mm (90kg/m3)
Stone wool 157mm (90kg/m3)

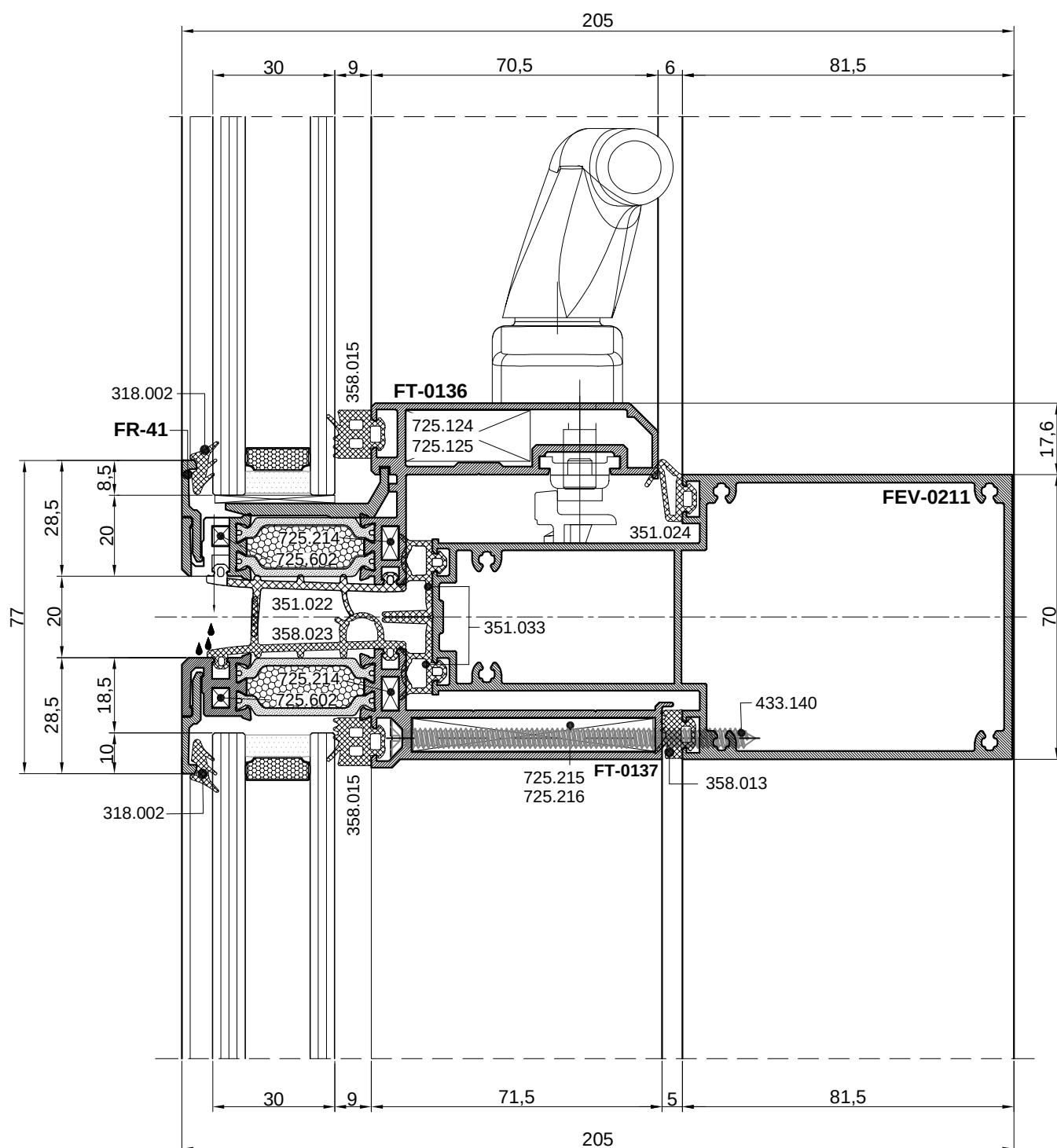
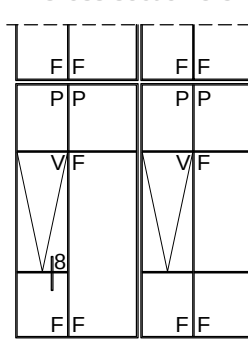
Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm

Ventilirani zračni prostor 31mm
Ventilated air space 31mm

Kaljeno staklo 8mm-emajlirano
Tempered glass 8mm-enamelled

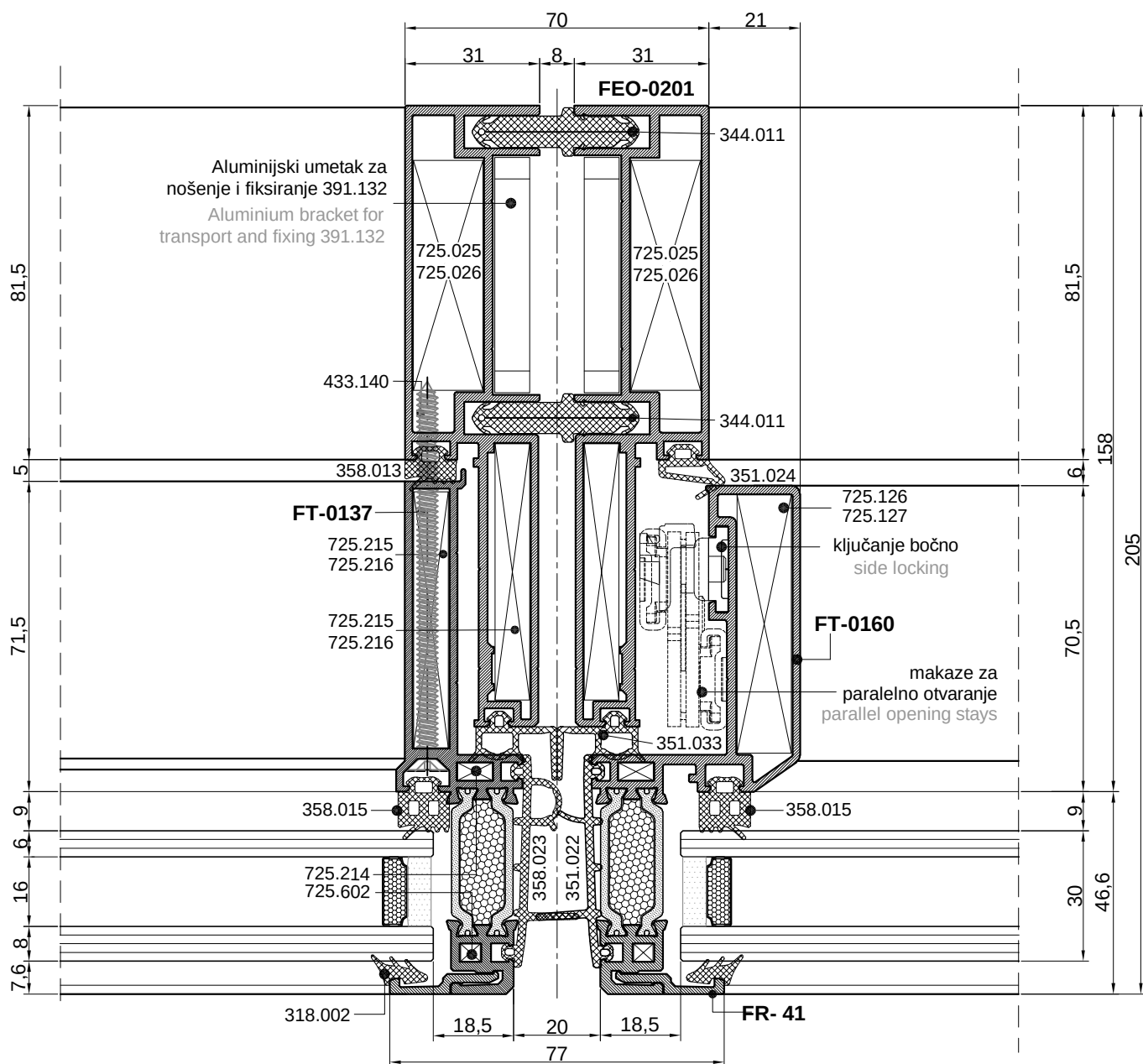
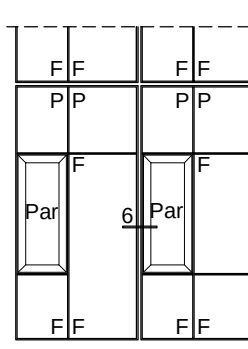


Presjek 8-8
Cross section 8-8

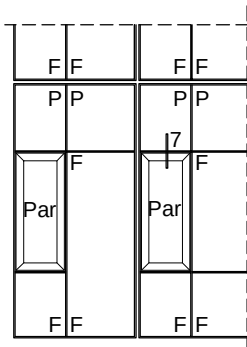


Presjek 6 - 6
Cross section 6-6

Paralelno otvaranje
Parallel opening

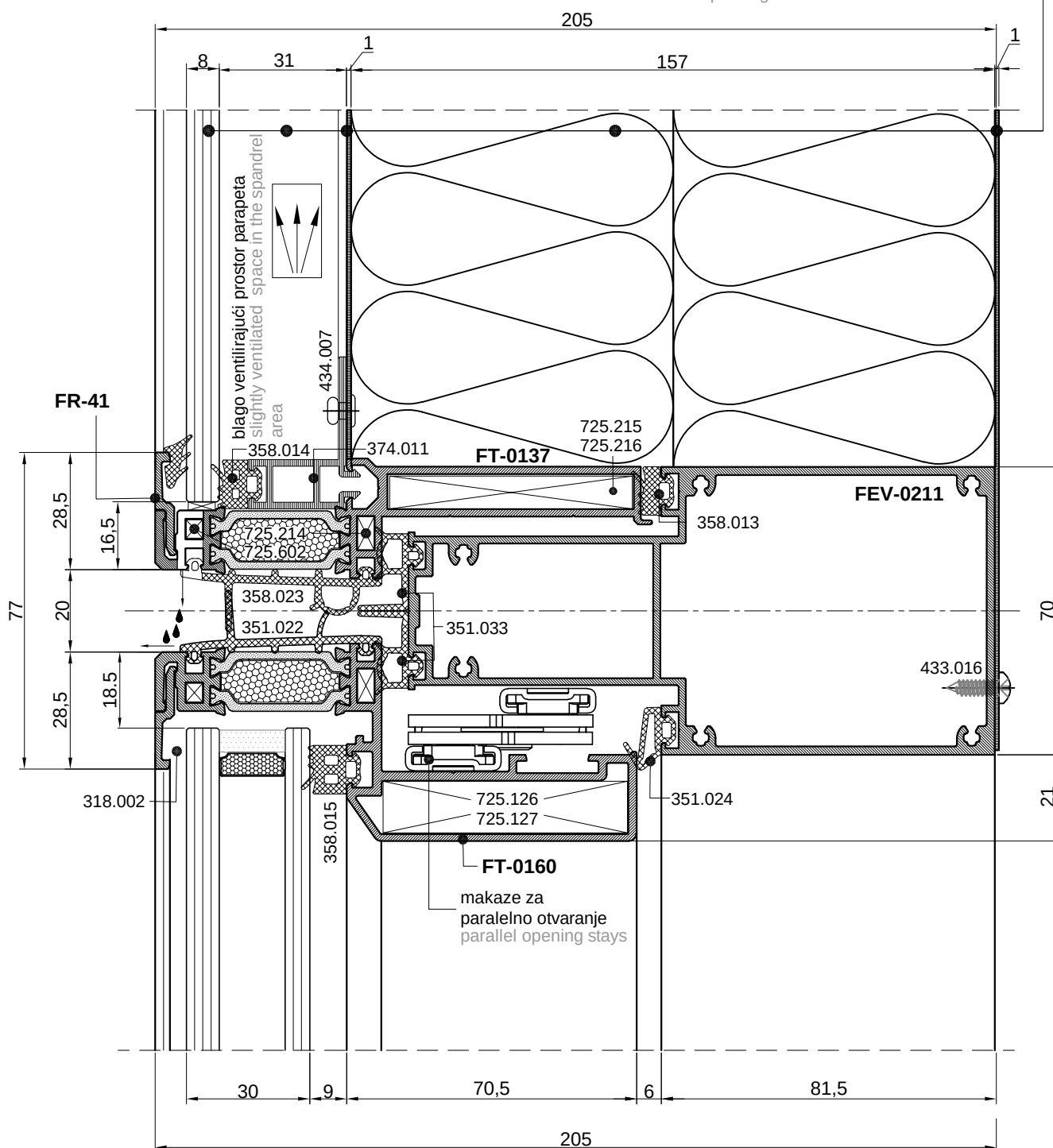


Presjek 7-7
Cross section 7-7



Paralelno otvaranje
Parallel opening

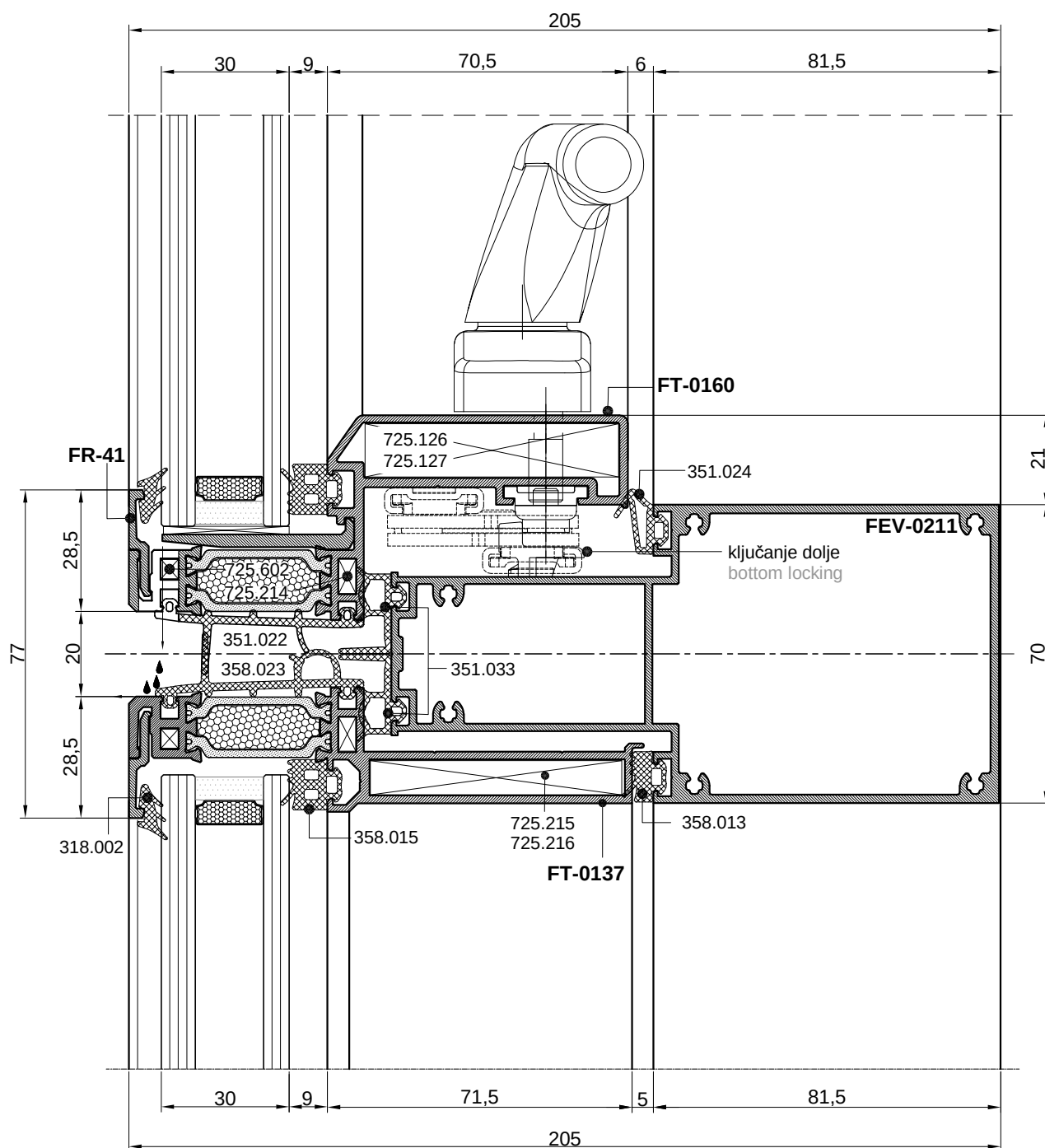
Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
Kamena vuna 157mm (90kg/m3)
Stone wool 157mm (90kg/m3)
Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
Ventilirani zračni prostor 31mm
Ventilated air space 31mm
Kaljeno staklo 8mm-emajlirano
Tempered glass 8mm-enamelled



Presjek 8-8
Cross section 8-8

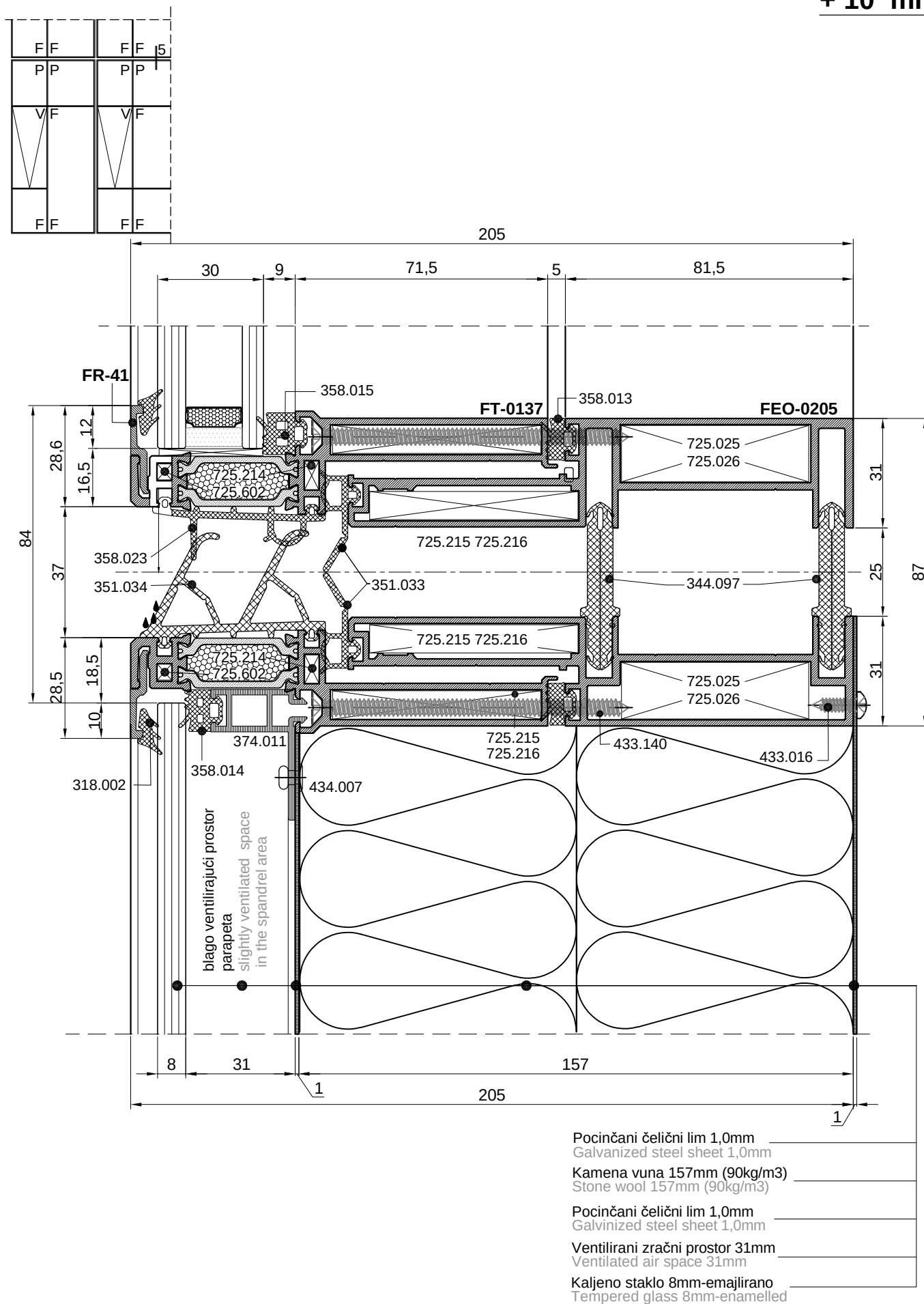
F	F	F	F
P	P	P	P
Par	F	Par	F
		18	
F	F	F	F

Paralelno otvaranje
Parallel opening



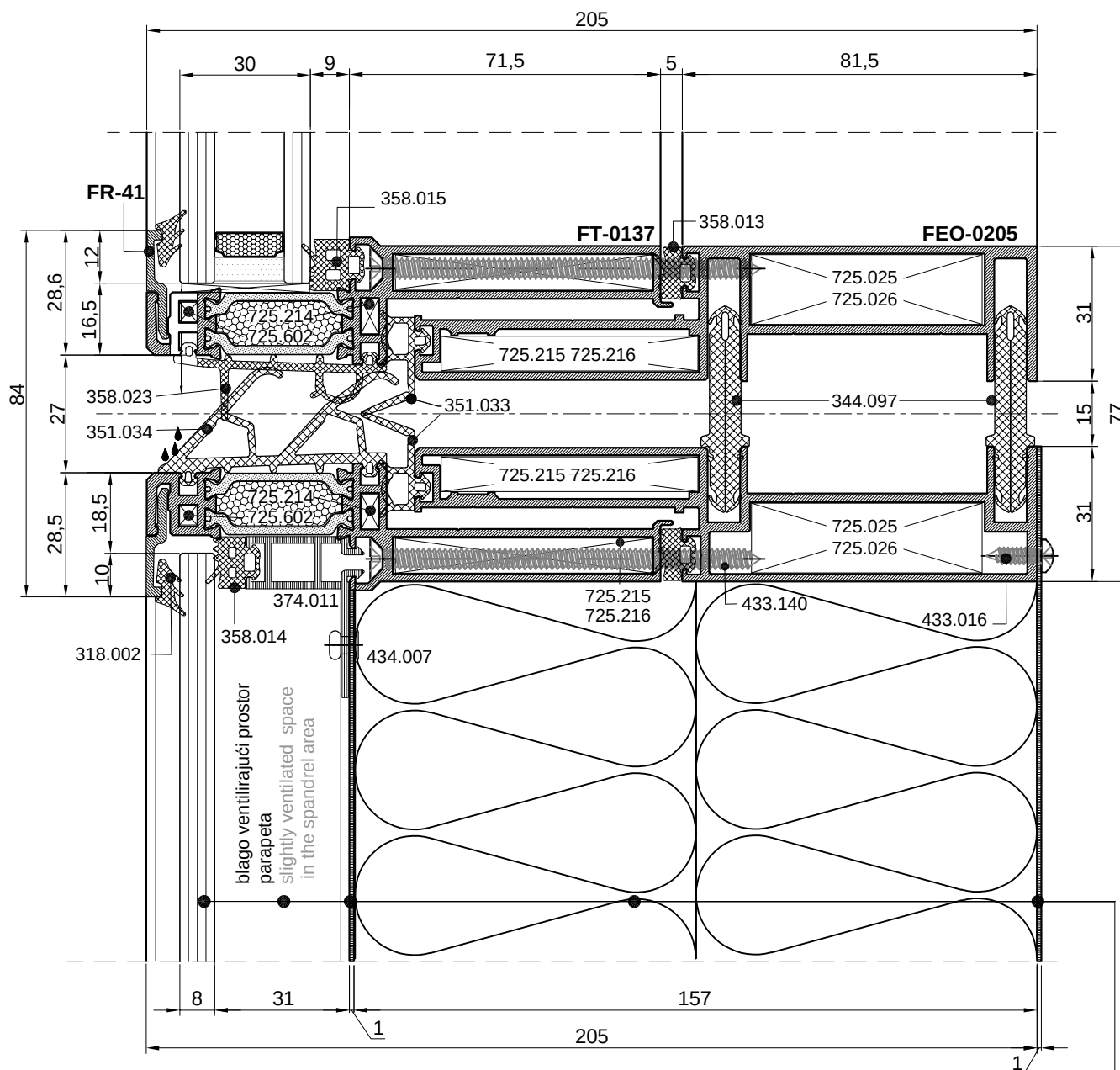
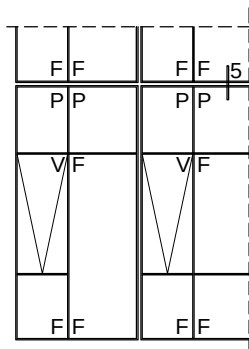
Presjek 5-5
Cross section 5-5

+ 10 mm



Presjek 5-5
Cross section 5-5

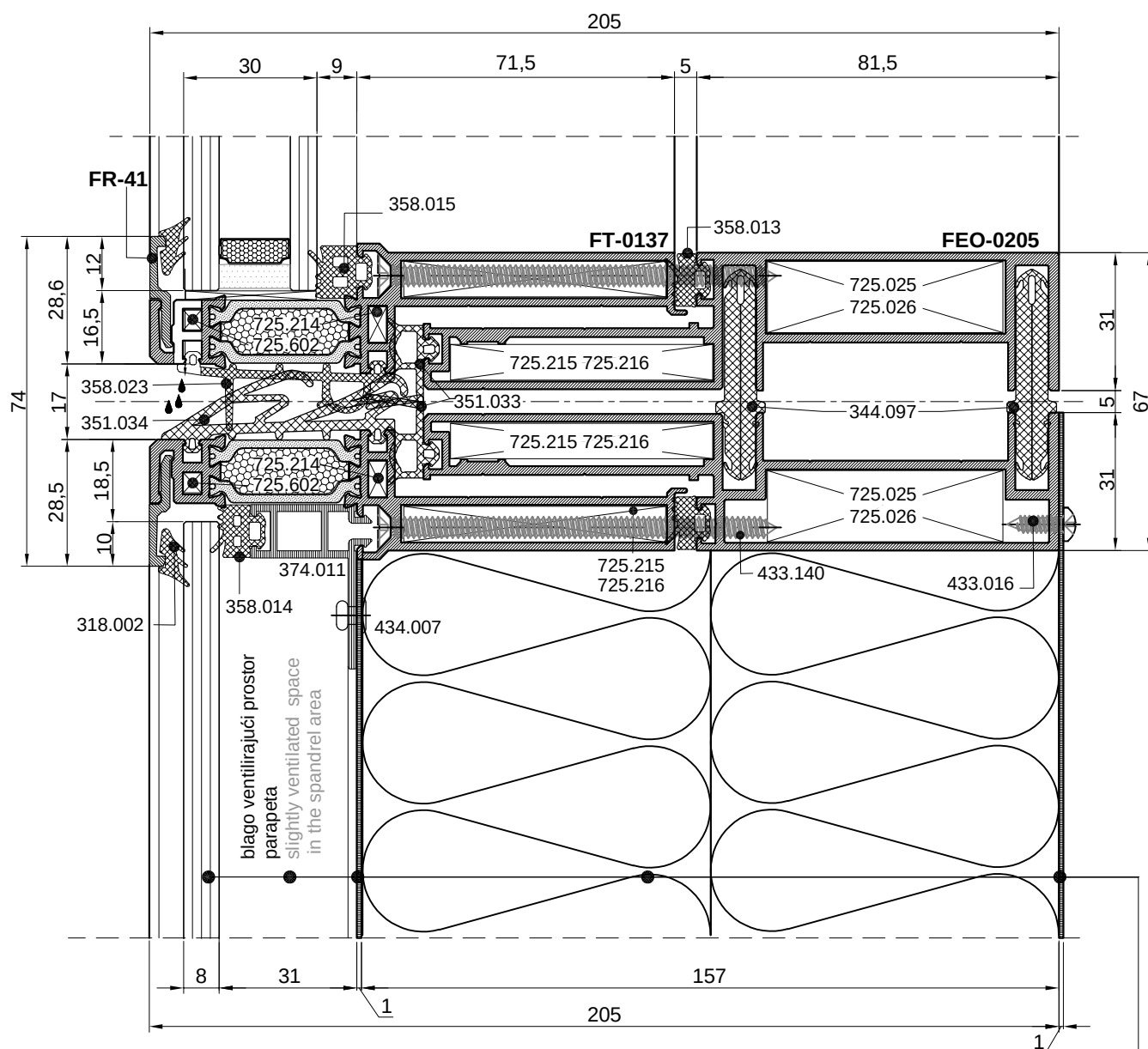
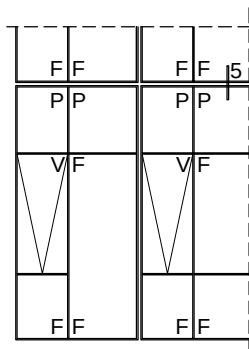
0 mm



- Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
- Kamena vuna 157mm (90kg/m3)
Stone wool 157mm (90kg/m3)
- Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
- Ventilirani zračni prostor 31mm
Ventilated air space 31mm
- Kaljeno staklo 8mm-emajlirano
Tempered glass 8mm-enamelled

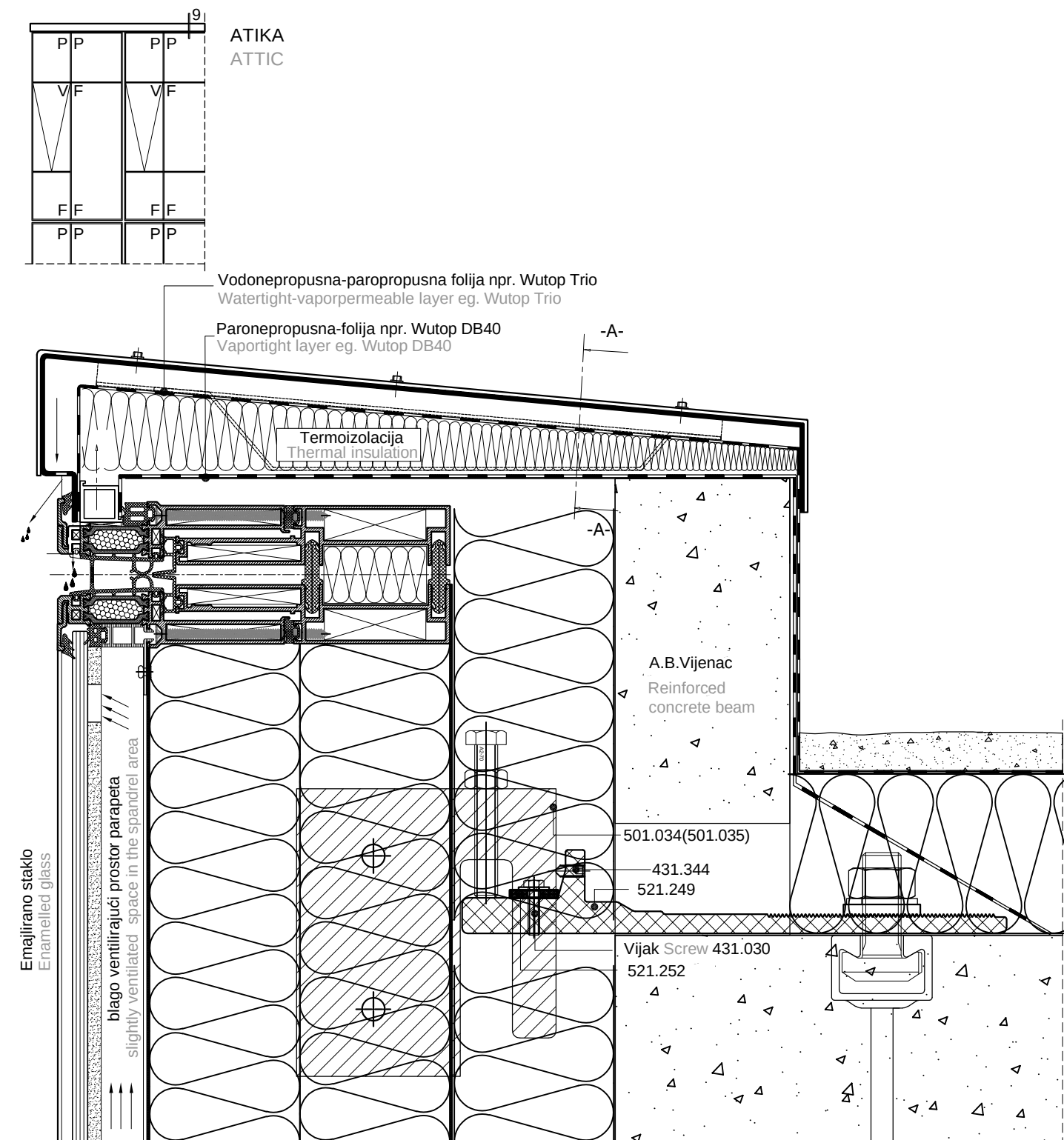
Presjek 5-5
Cross section 5-5

- 10 mm

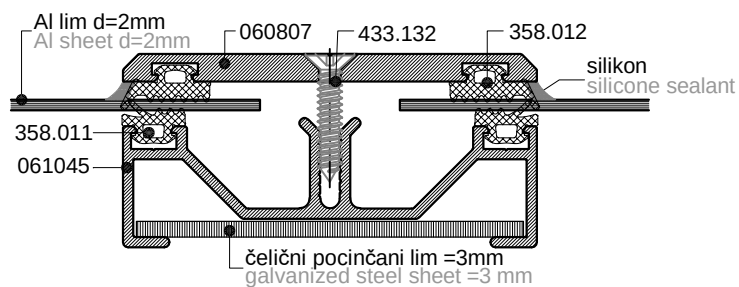


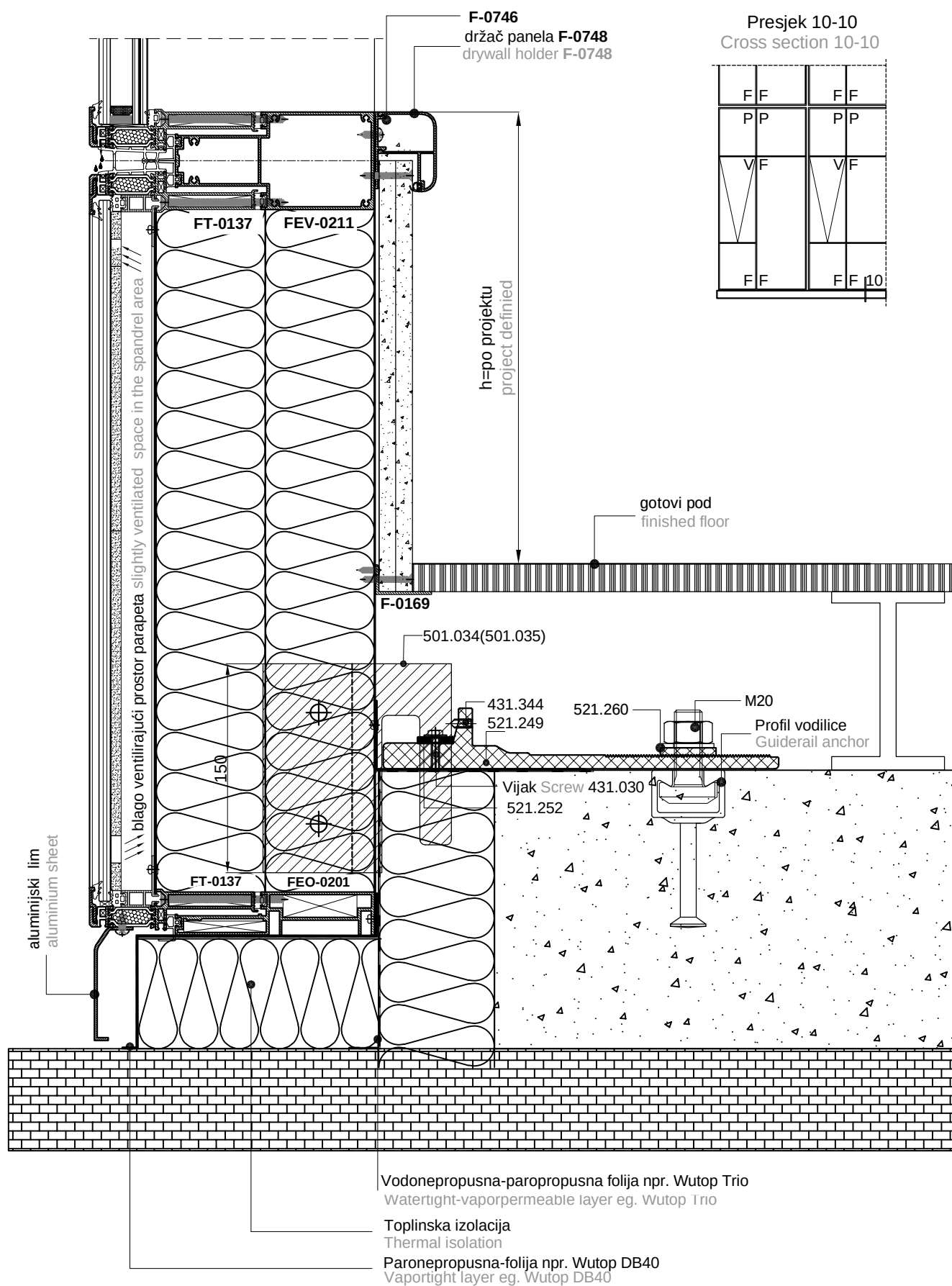
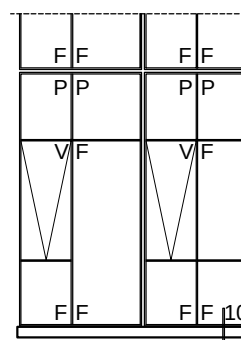
- Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
- Kamena vuna 157mm (90kg/m3)
Stone wool 157mm (90kg/m3)
- Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
- Ventilirani zračni prostor 31mm
Ventilated air space 31mm
- Kaljeno staklo 8mm-emajlirano
Tempered glass 8mm-enamelled

Presjek 9-9
Cross section 9-9

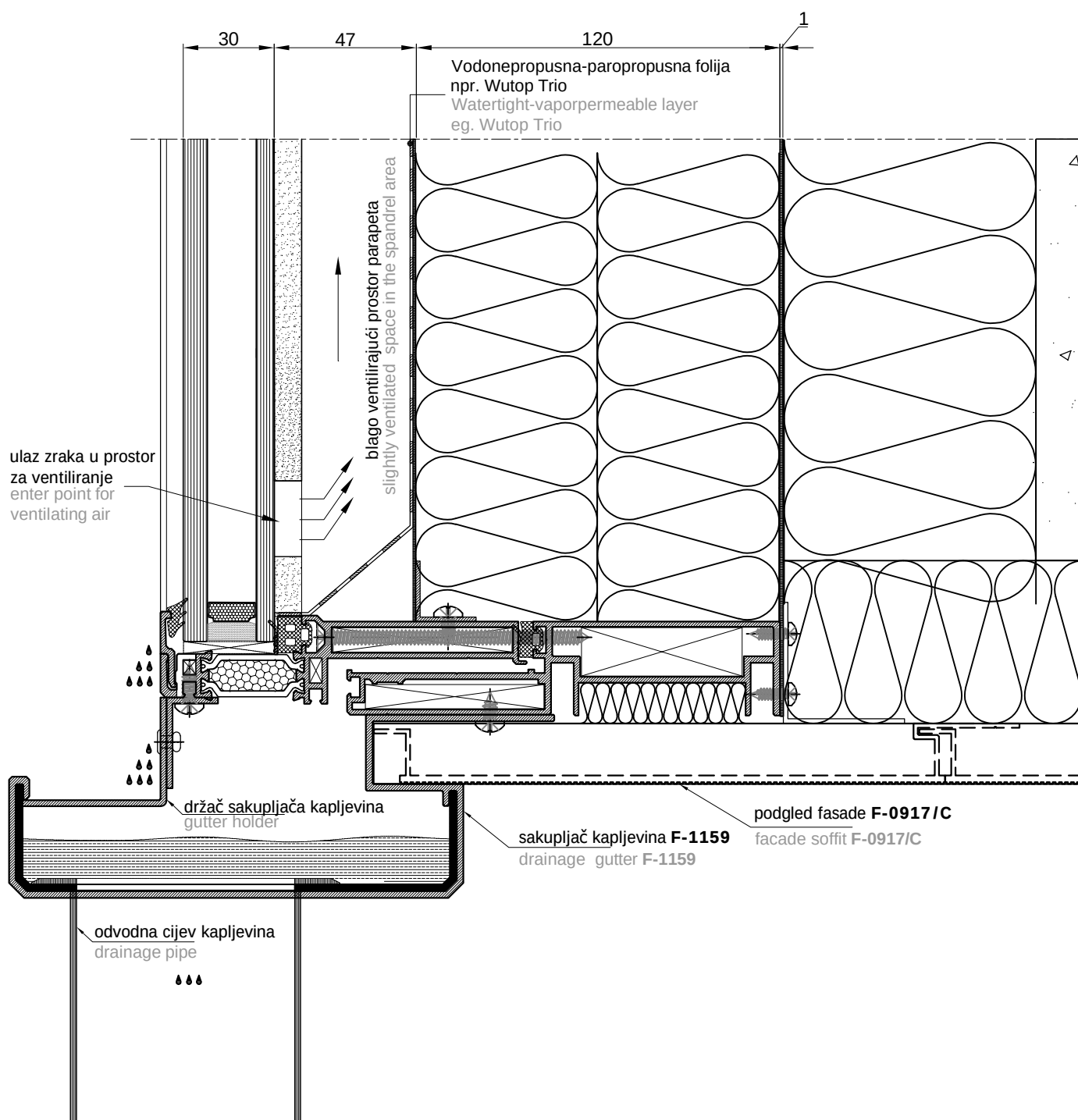
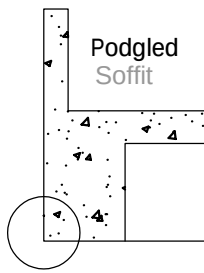
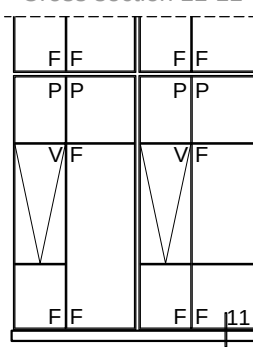


Presjek A-A M 1:2
Cross section A-A M 1:2

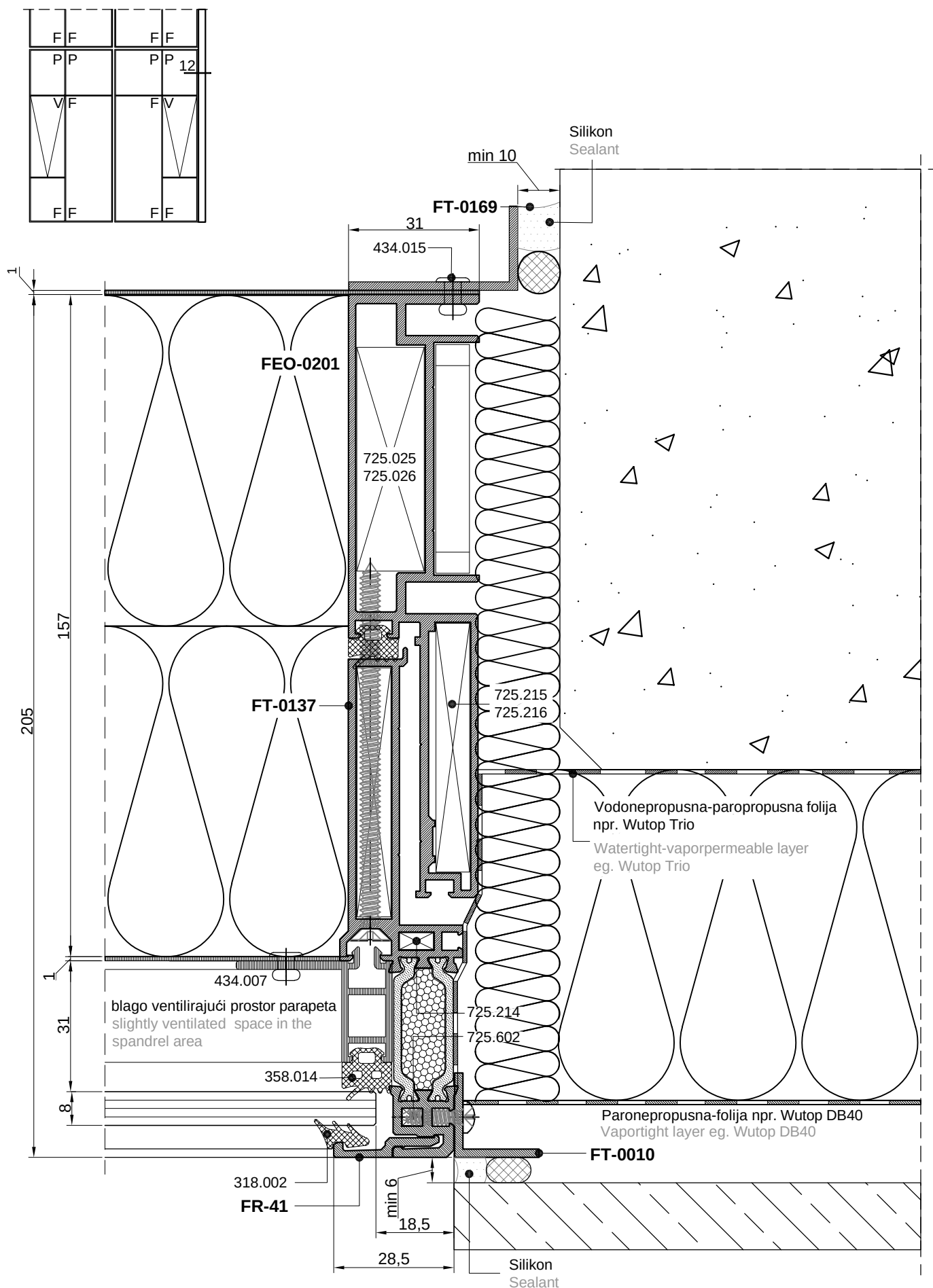


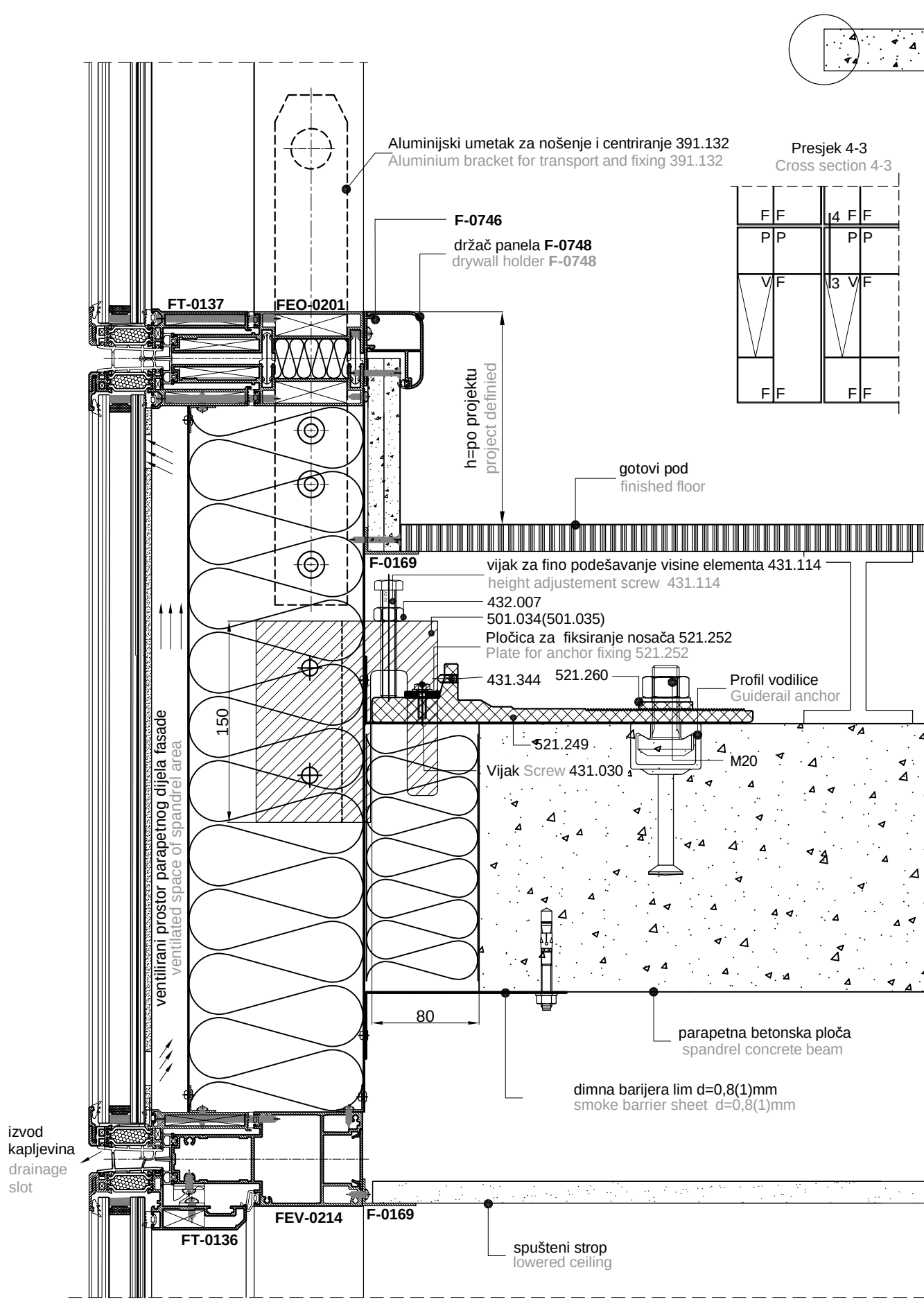
Presjek 10-10
Cross section 10-10

Presjek 11-11
Cross section 11-11



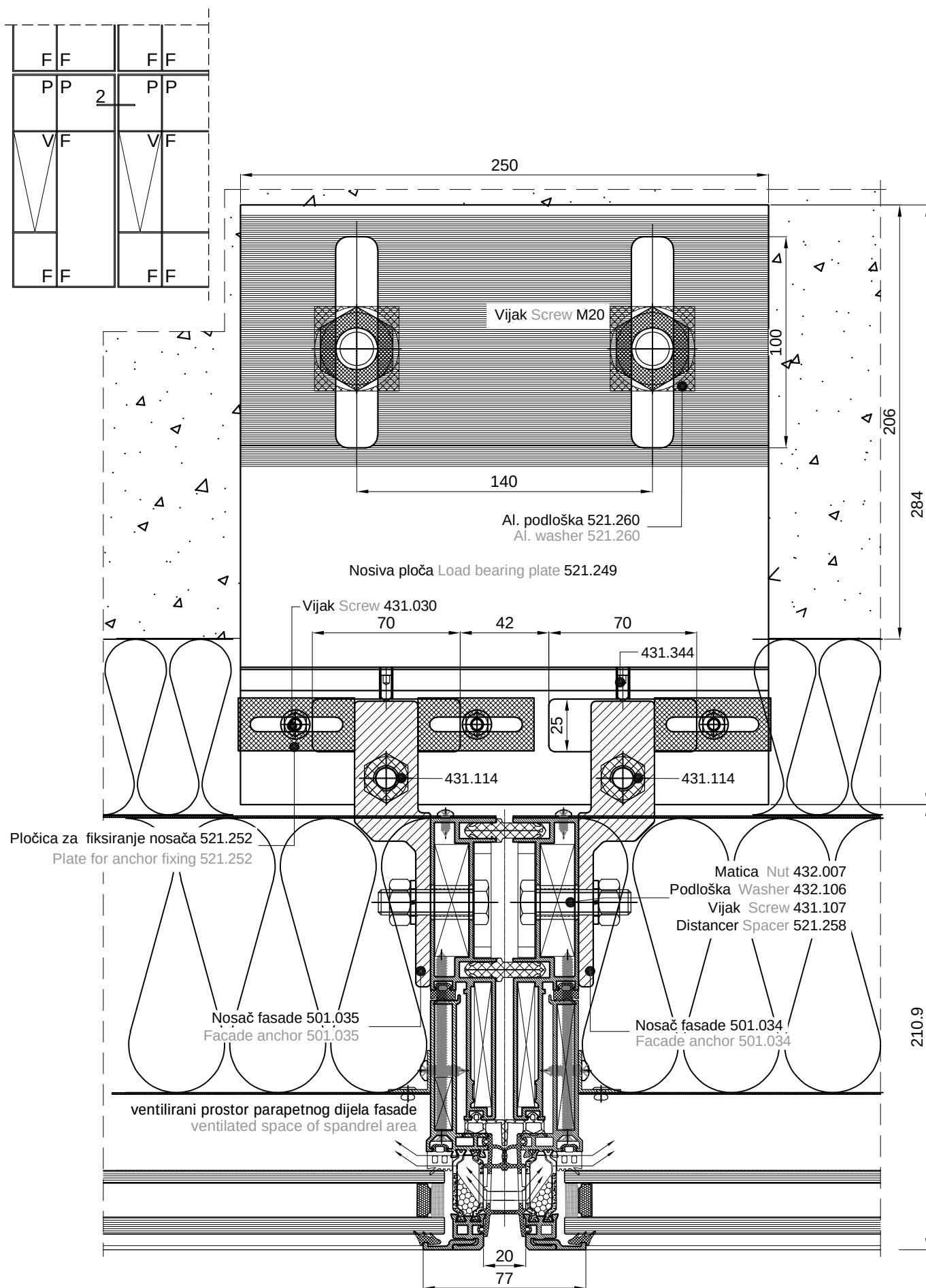
Spoj sa zidom - Presjek 12-12
Wall connection - Cross section 12-12



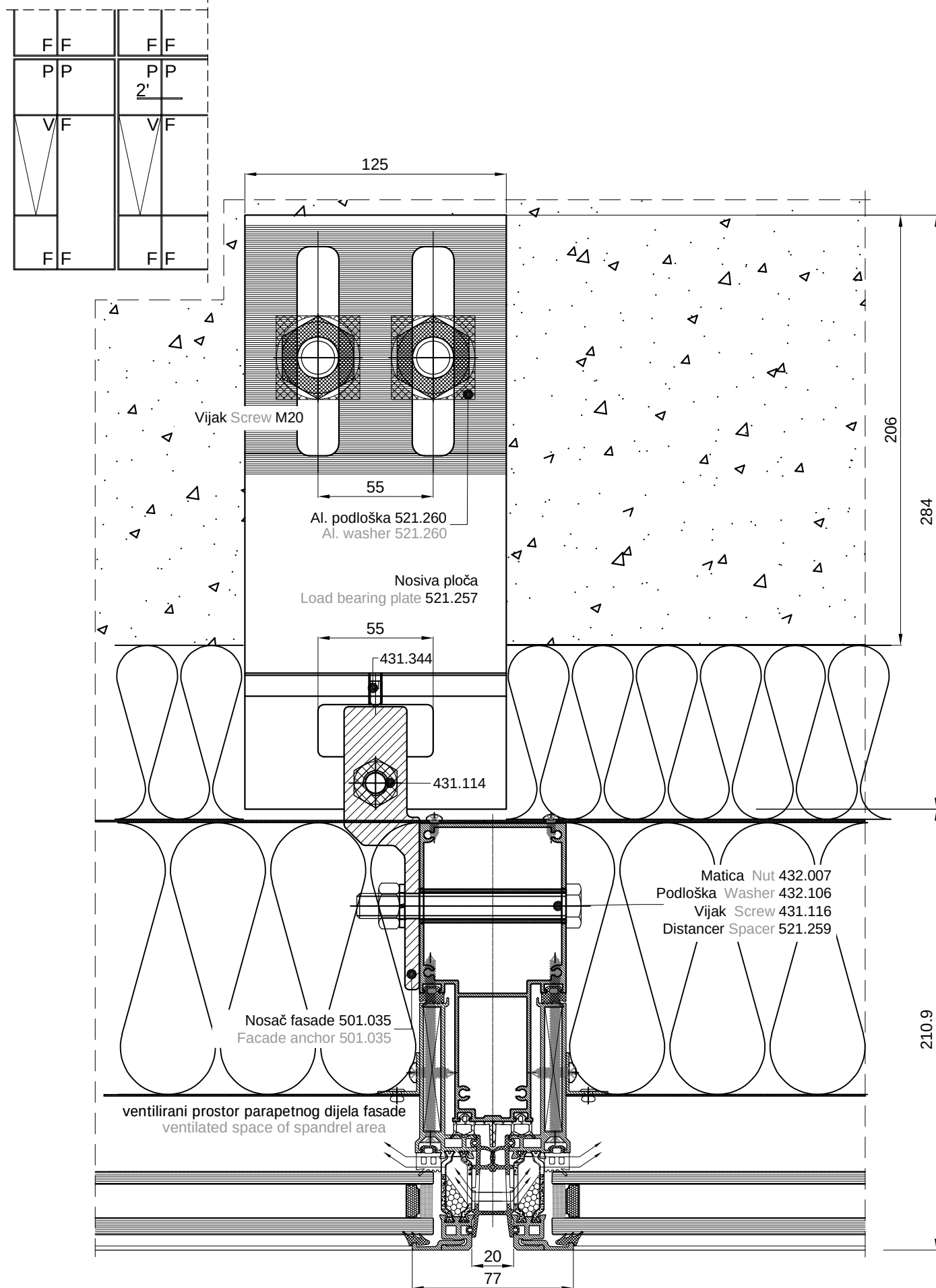


Nosač elementa na ramu- Presjek 2-2

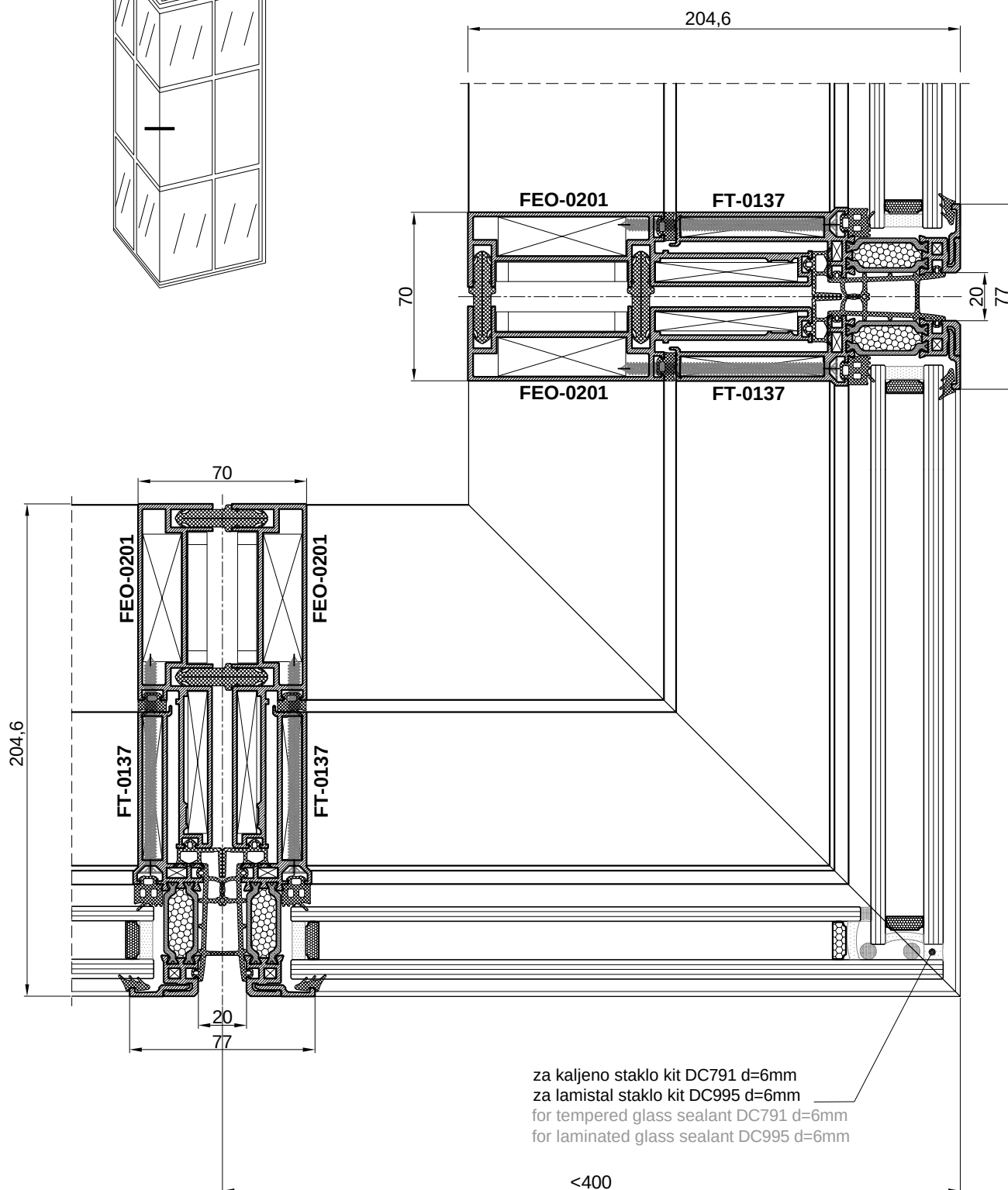
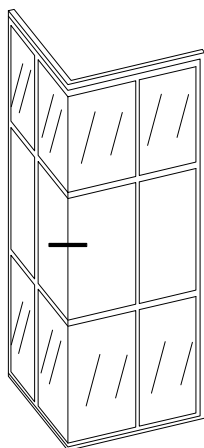
Unit anchor on the frame - Cross section 2-2

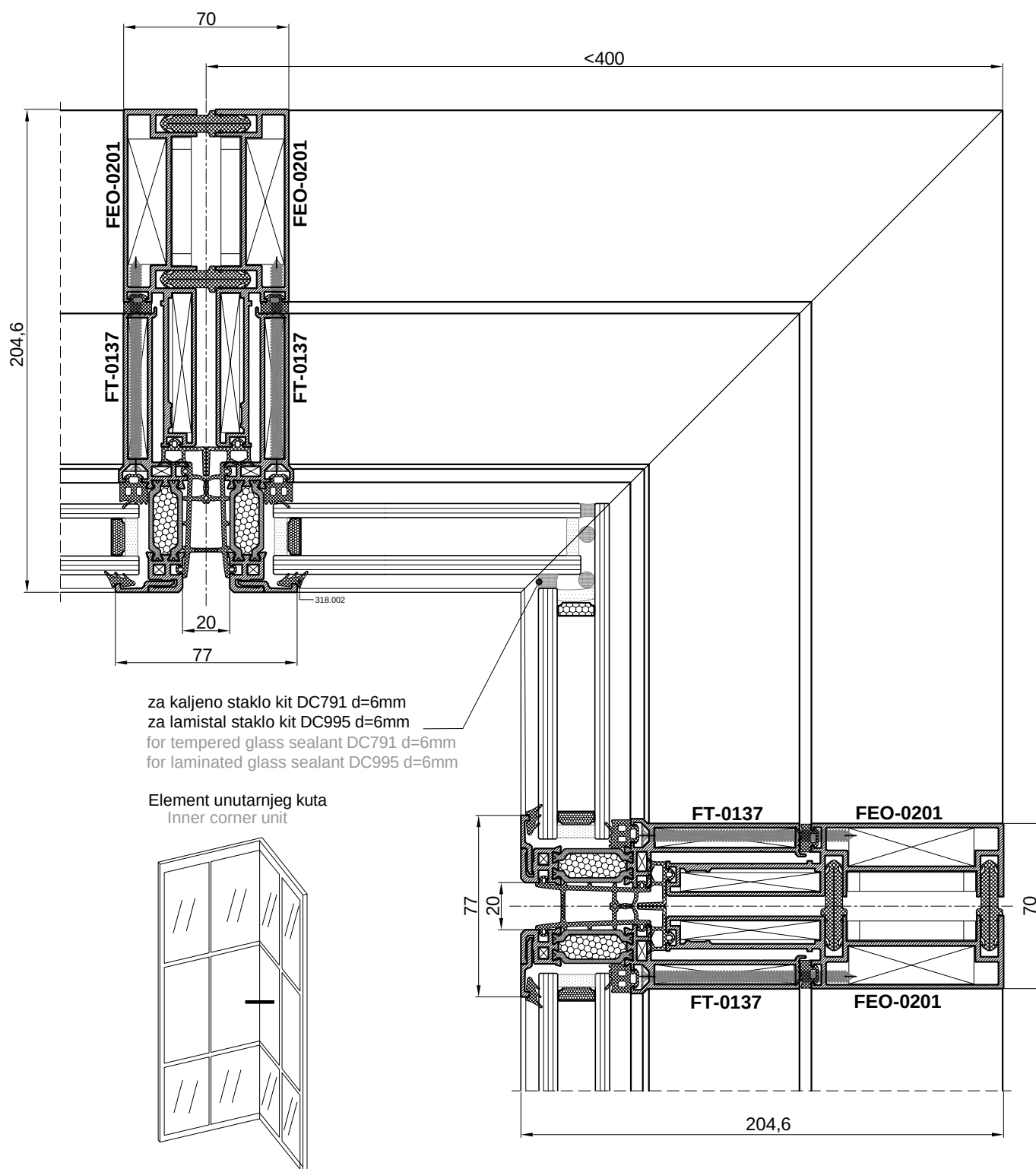


Nosač elementa na prečki- Presjek 2'-2'
Unit anchor on the crossbar - Cross section 2'-2'

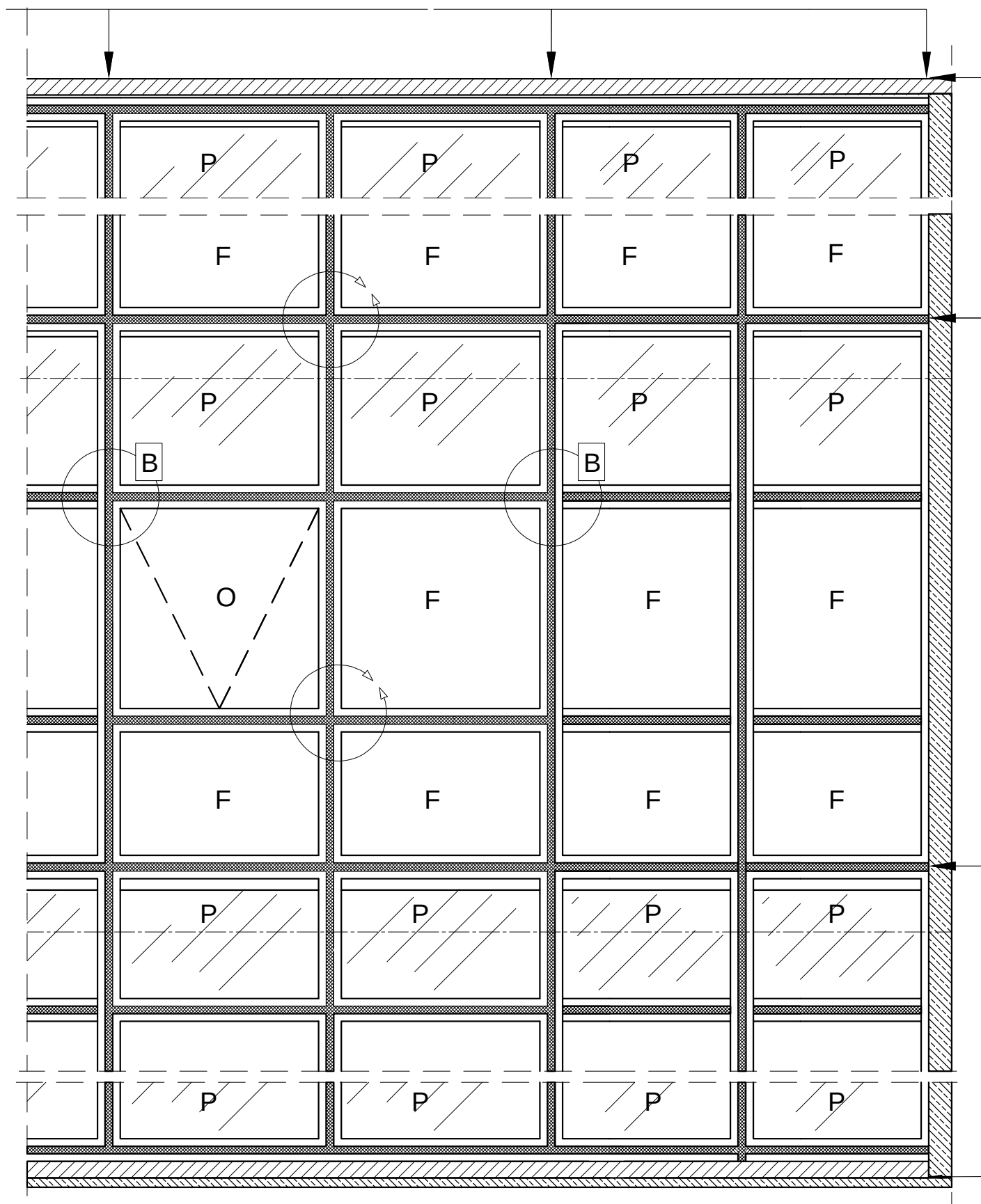


Element vanjskog kuta
Outer corner unit

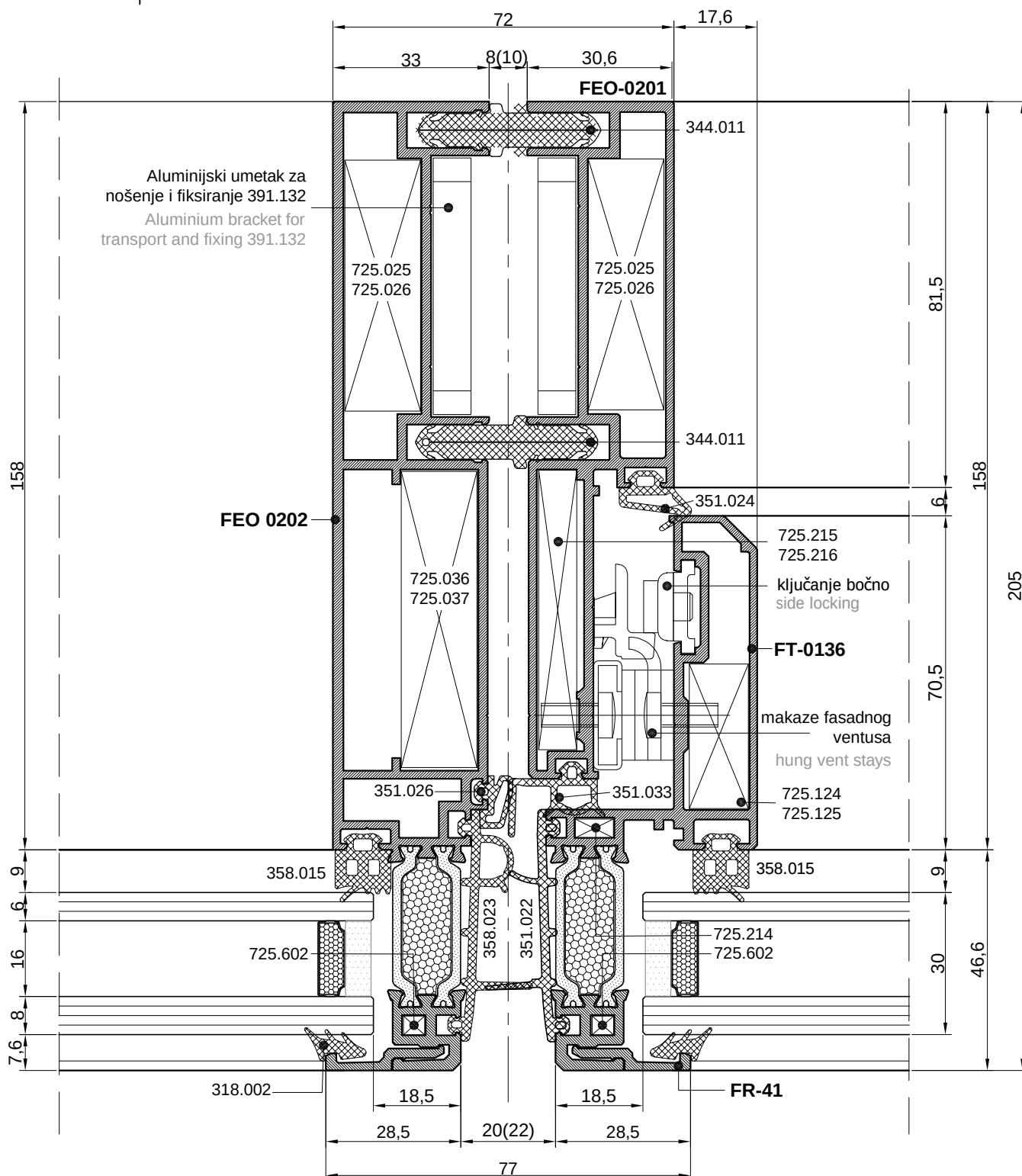
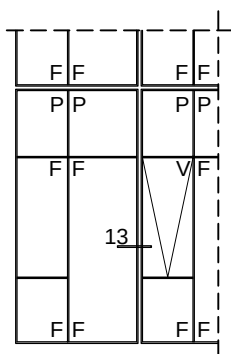




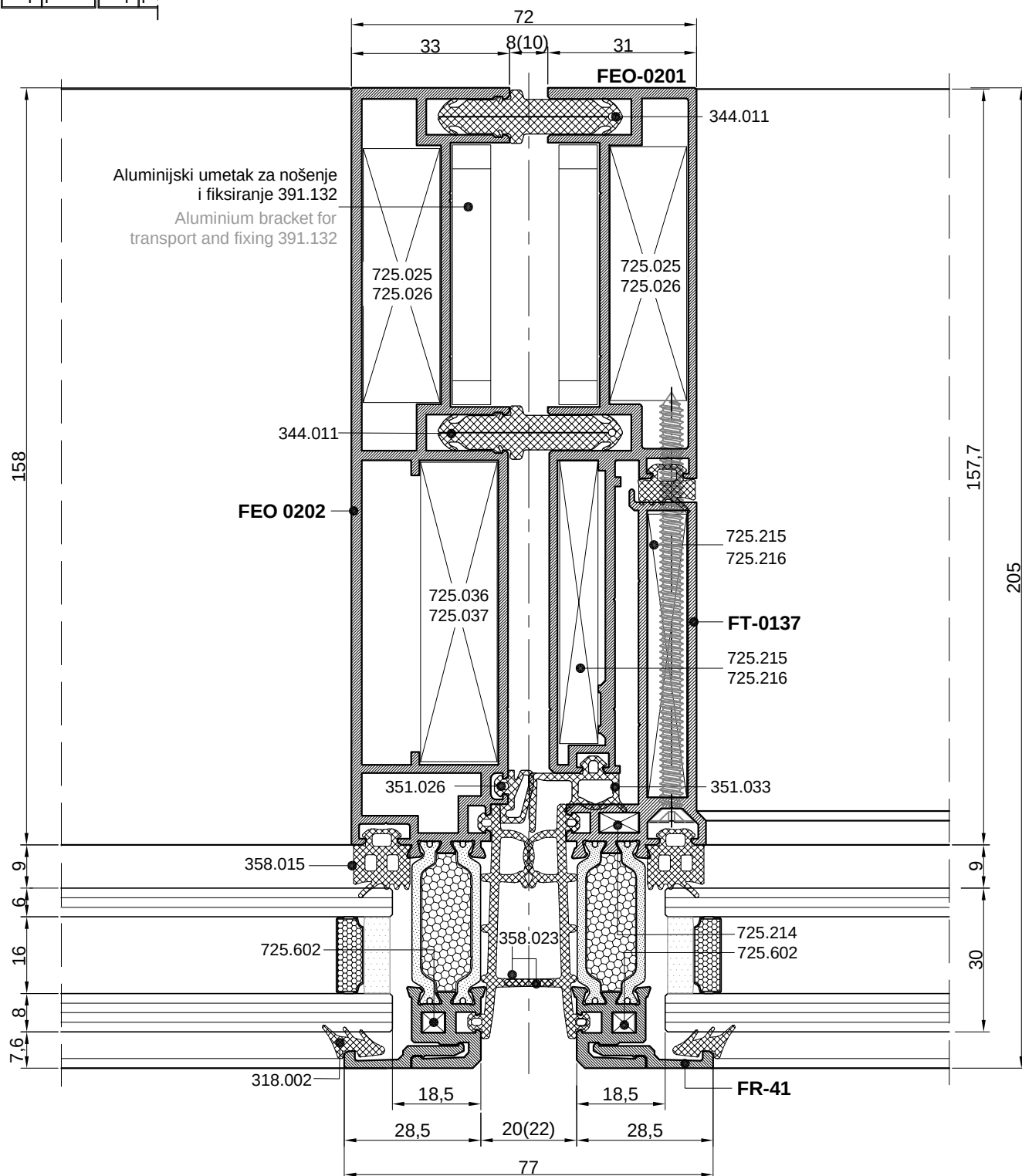
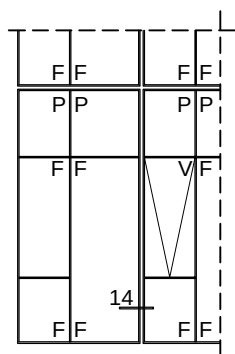
70 E tip type B



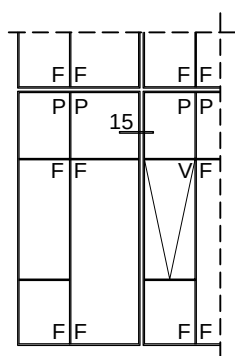
Presjek 13-13
Cross section 13-13



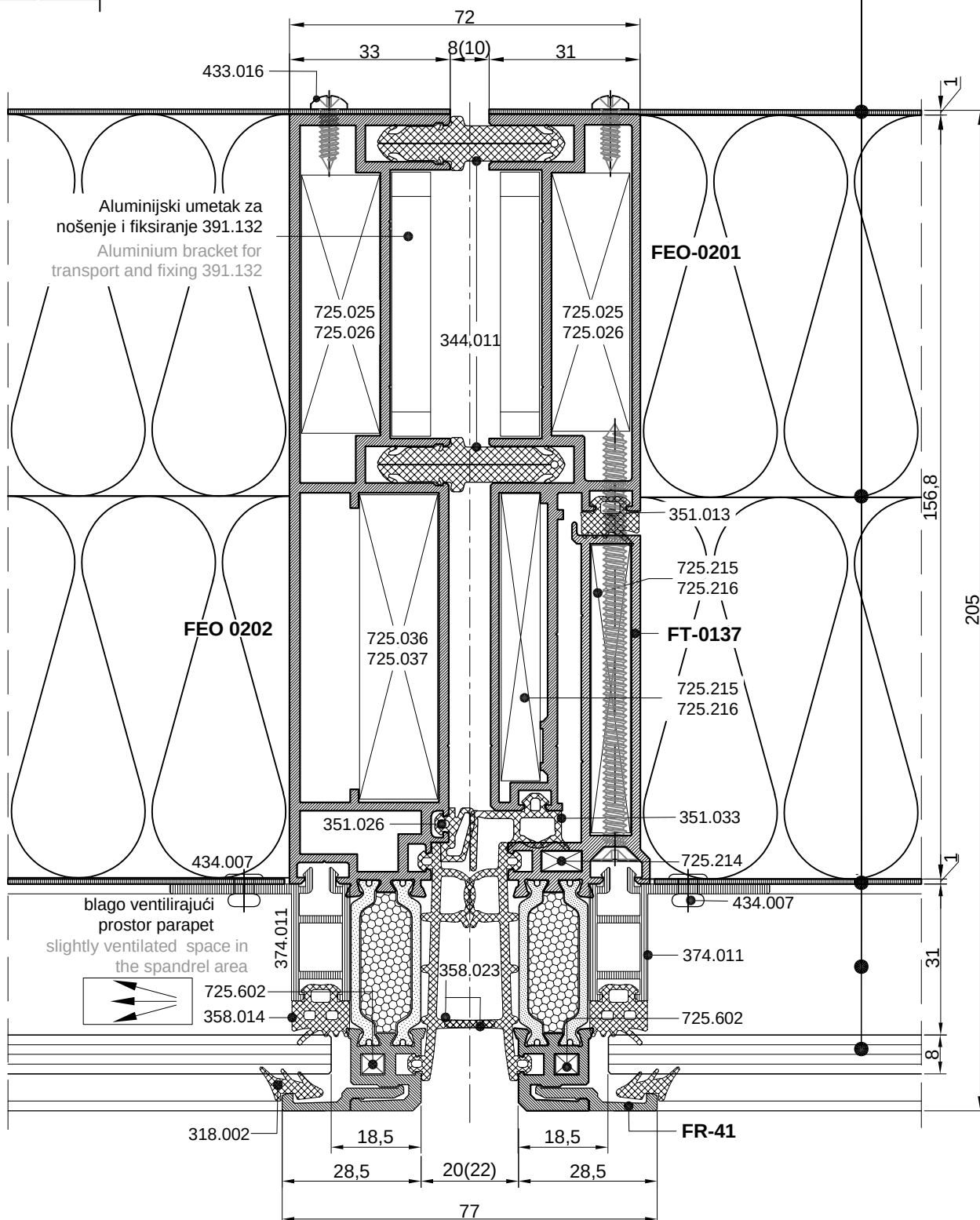
Presjek 14-14
Cross section 14-14



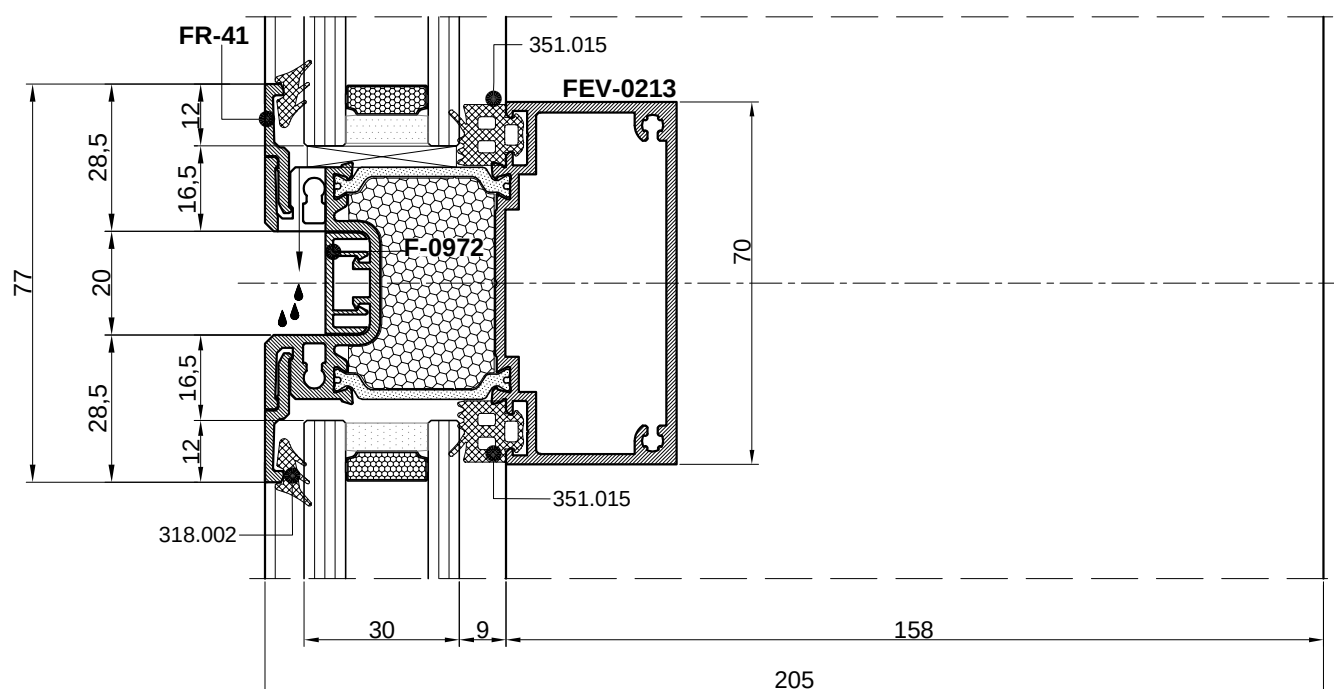
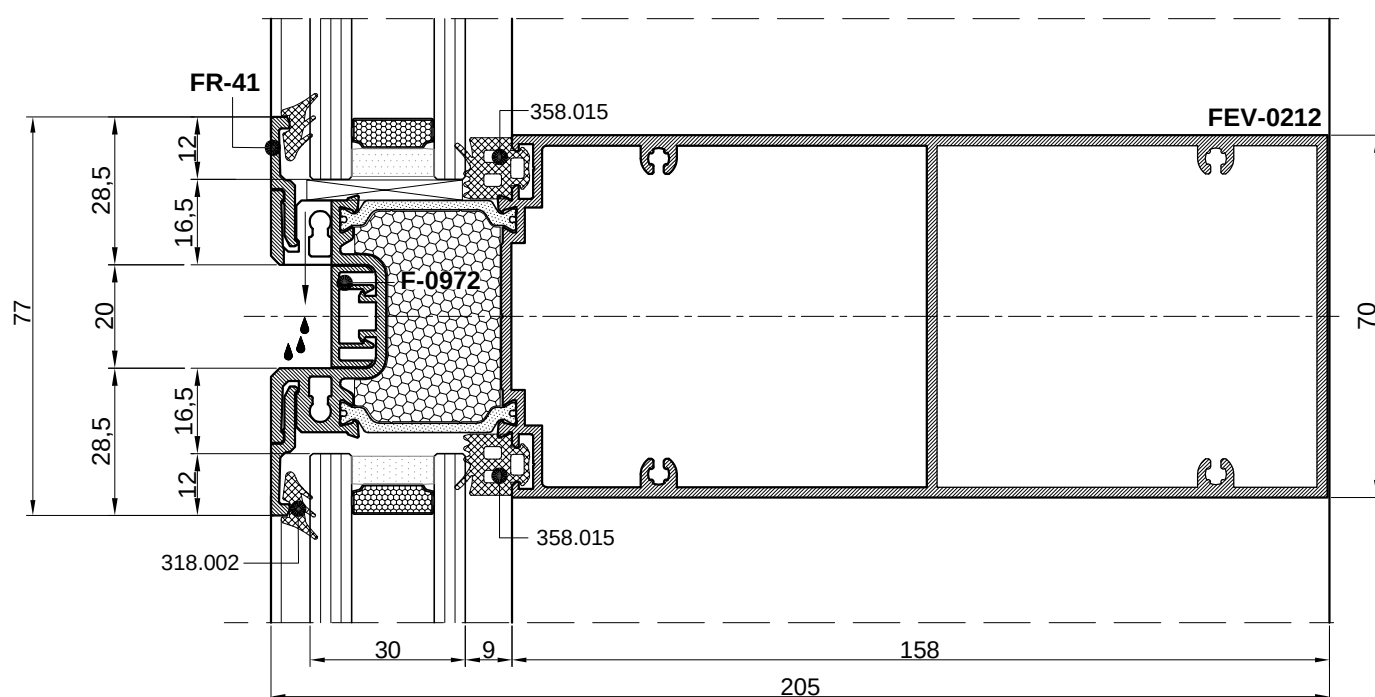
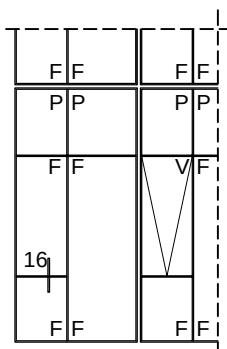
Presjek 15-15
Cross section 15-15



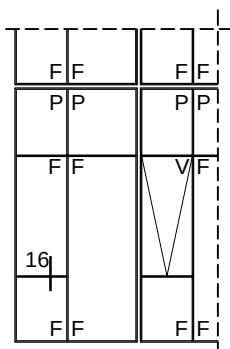
Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
Kamena vuna 157mm (90kg/m3)
Stone wool 157mm (90kg/m3)
Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
Ventilirani zračni prostor 31mm
Ventilated air space 31mm
Kaljeno staklo 8mm-emalirano
Tempered glass 8mm-enamelled



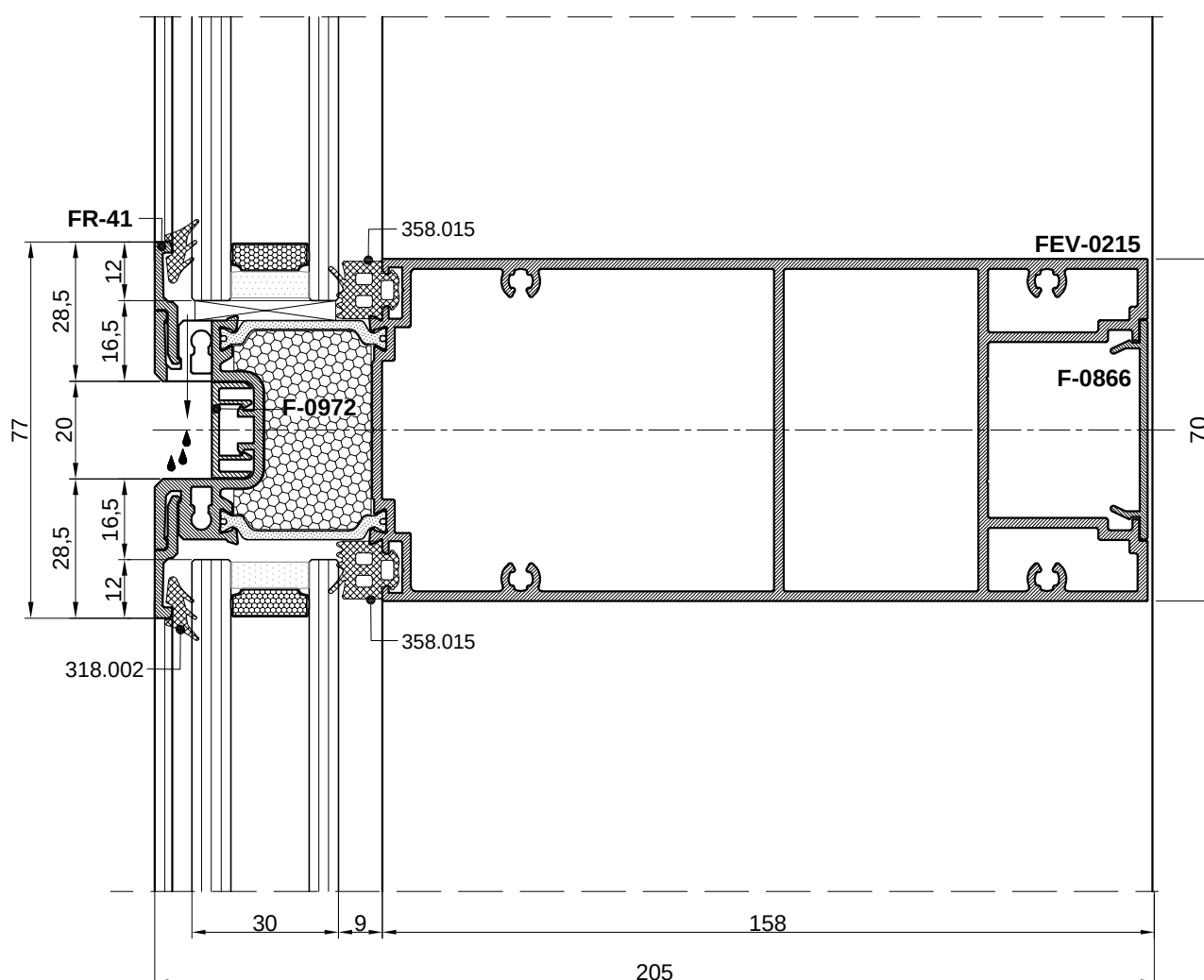
Presjek 16-16
Cross section 16-16

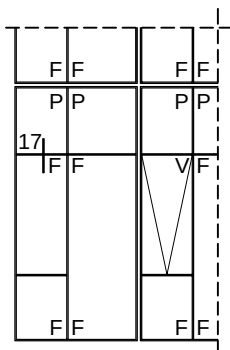


Presjek 16-16
Cross section 16-16

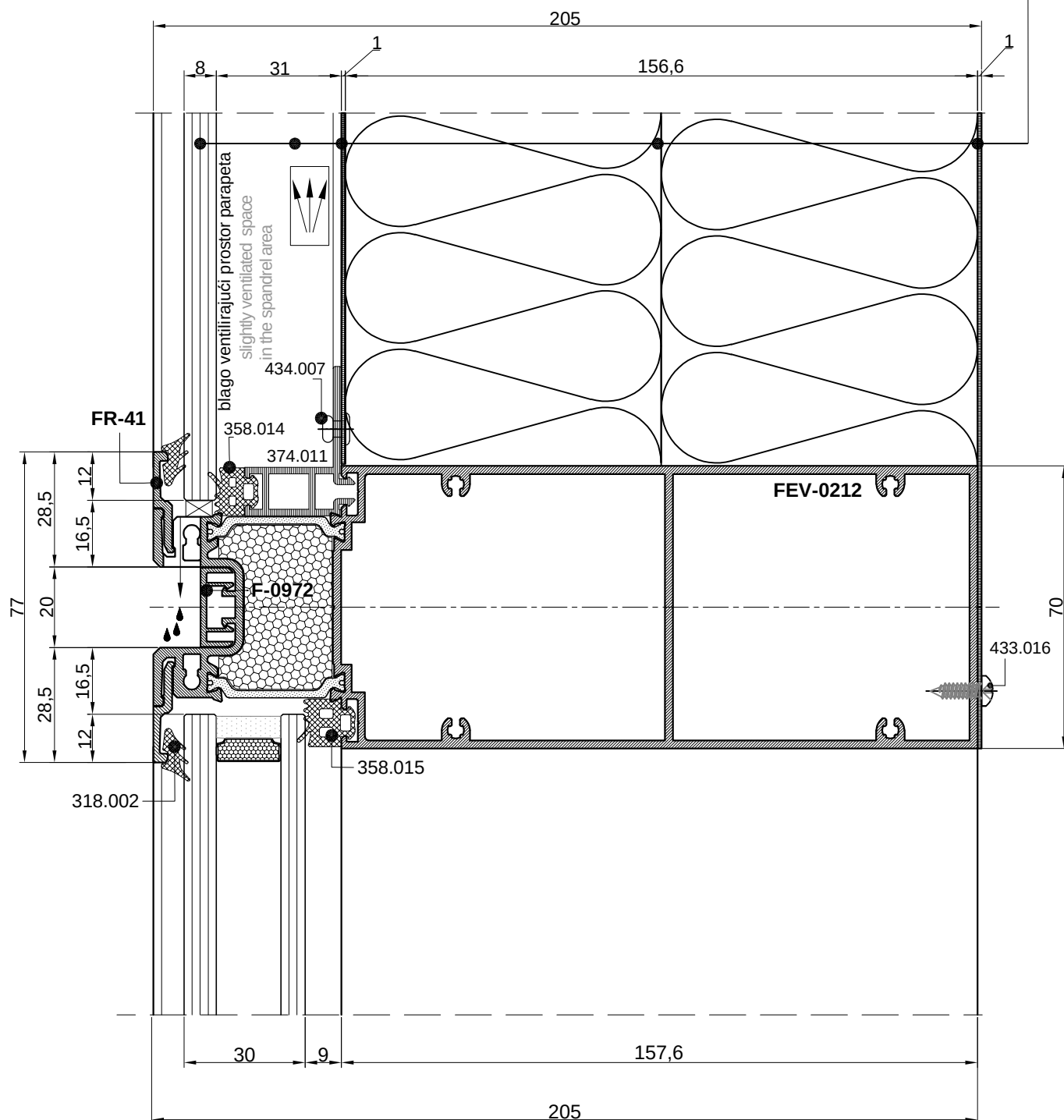


*Profil prečke FEV-0215 se koristi ukoliko postoji spoj prečke na prečku
*Crossbar FEV-0215 is used when there is crossbar-crossbar joint



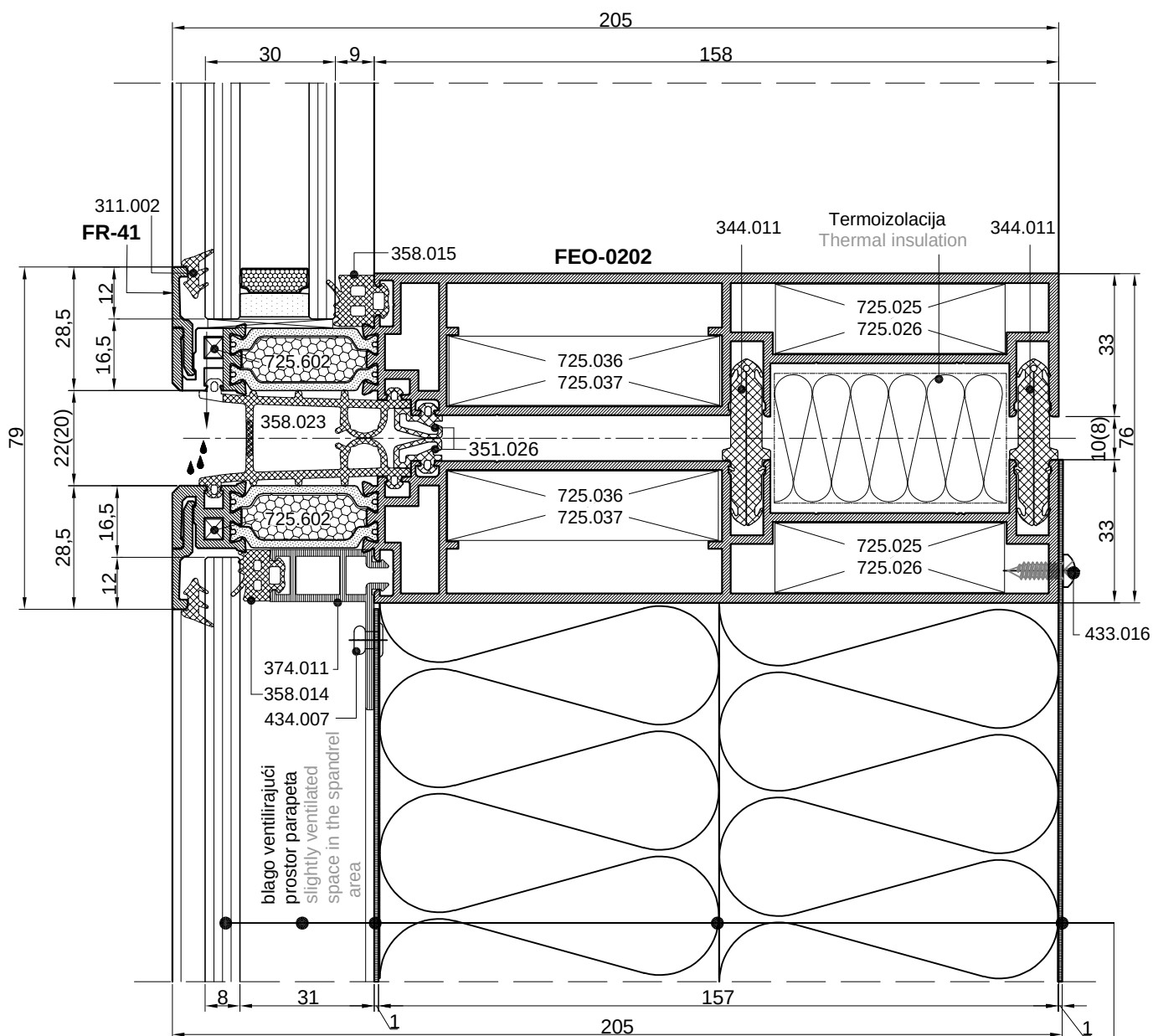
Presjek 17-17
Cross section 17-17

Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
Kamena vuna 157mm (90kg/m3)
Stone wool 157mm (90kg/m3)
Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
Ventilirani zračni prostor 31mm
Ventilated air space 31mm
Kaljeno staklo 8mm-emajlirano
Tempered glass 8mm-enamelled



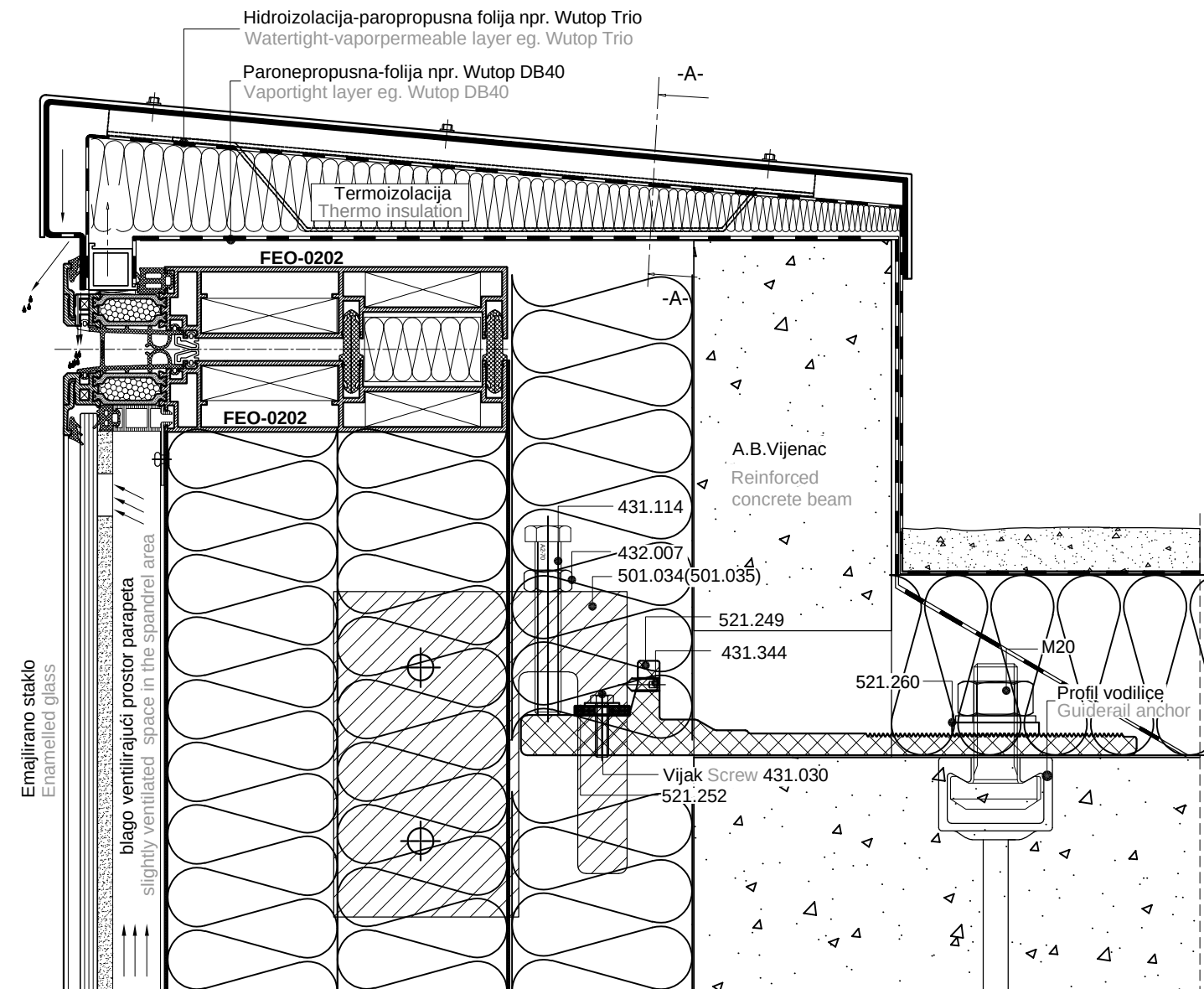
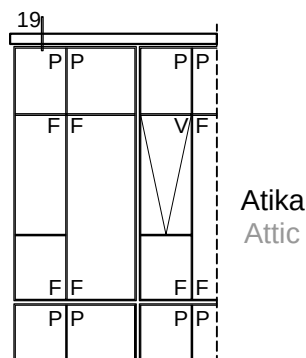
Presjek 18-18
Cross sections 18-18

18	F	F	F	F
	P	P	P	P
	F	F	V	F
	F	F	F	F

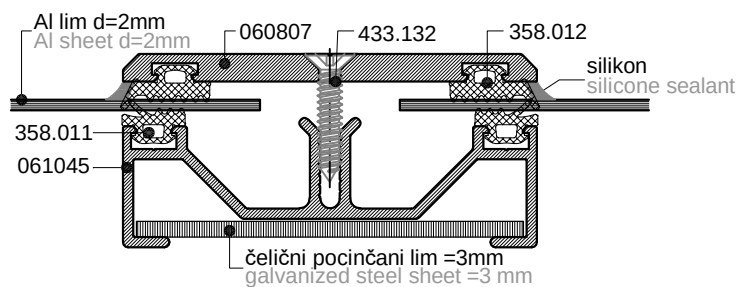


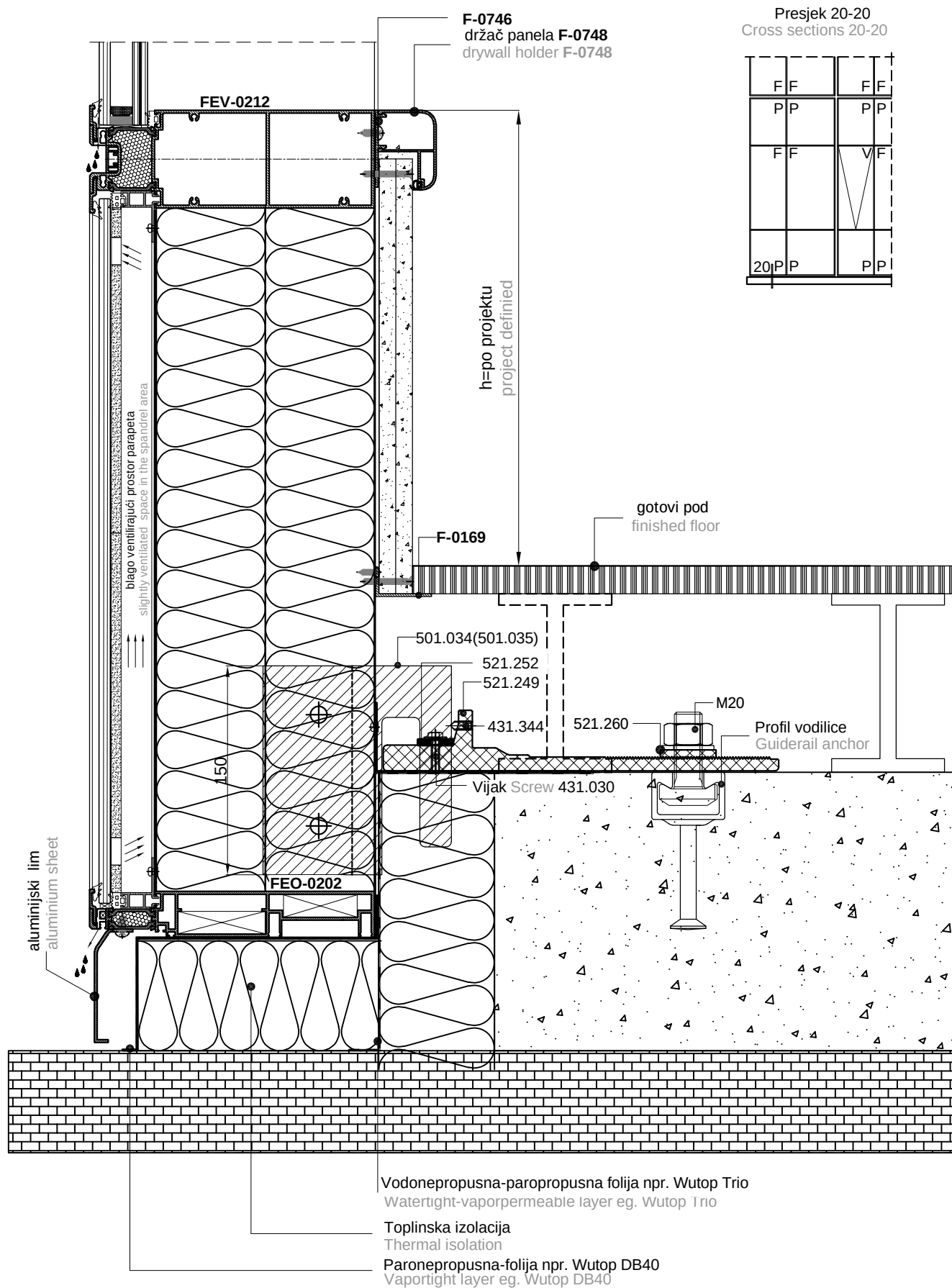
- Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
- Kamena vuna 157mm (90kg/m3)
Stone wool 157mm (90kg/m3)
- Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
- Ventilirani zračni prostor 31mm
Ventilated air space 31mm
- Kaljeno staklo 8mm-emajlirano
Tempered glass 8mm-enamelled

Presjek 19-19
Cross sections 19-19

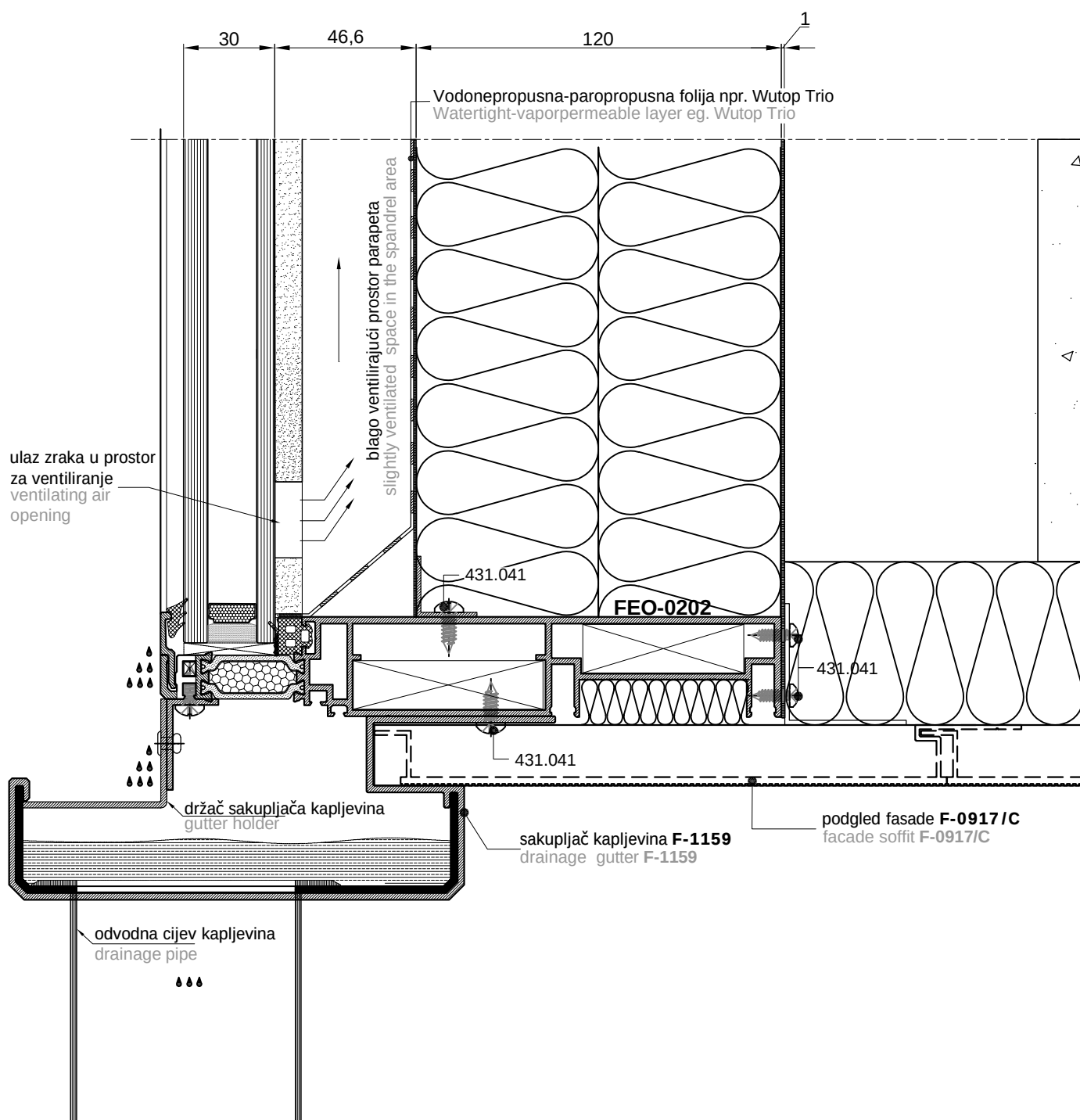
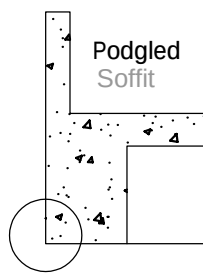
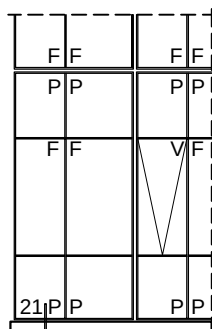


Presjek A-A M 1:2
Cross section A-A M 1:2

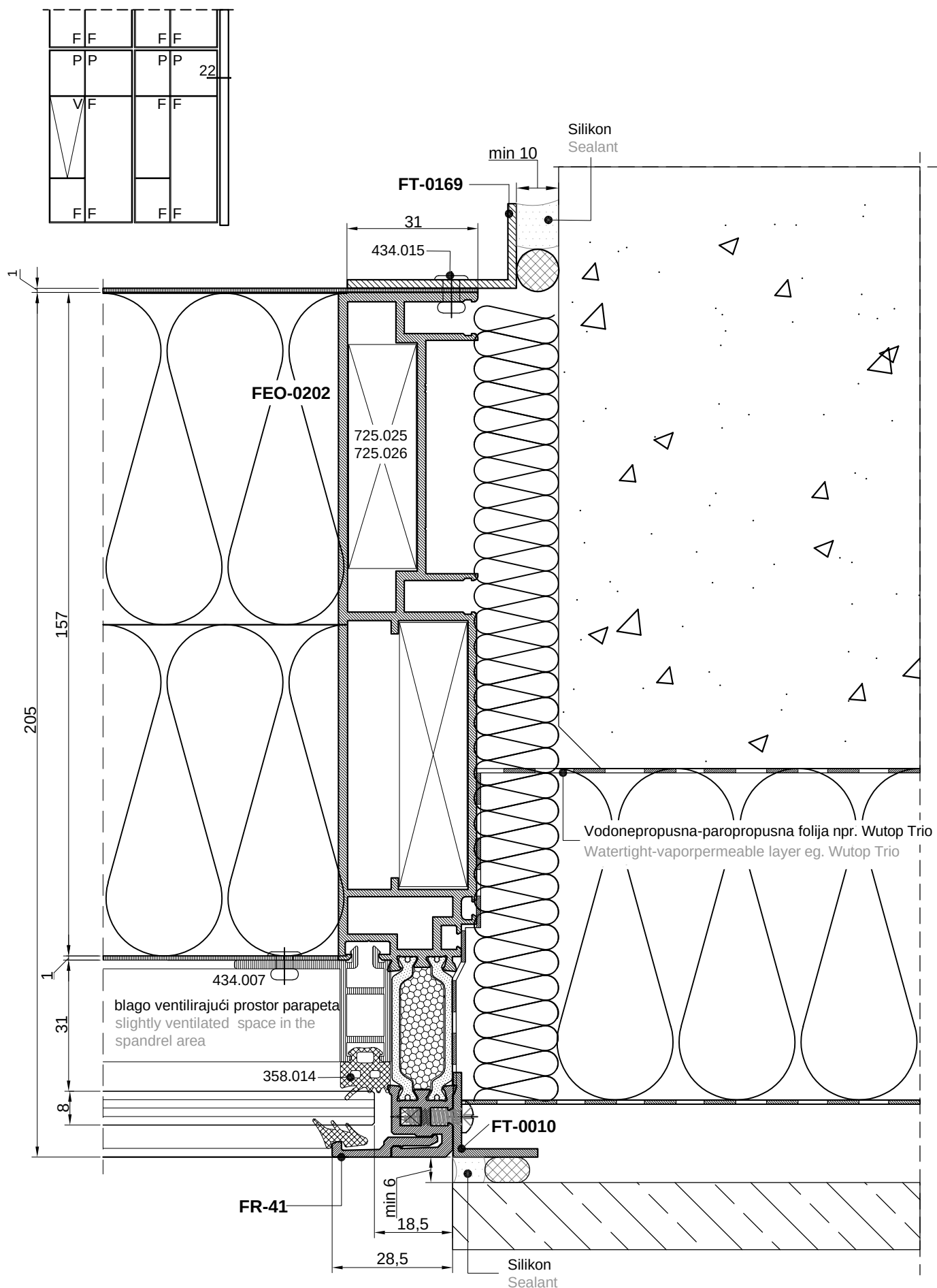


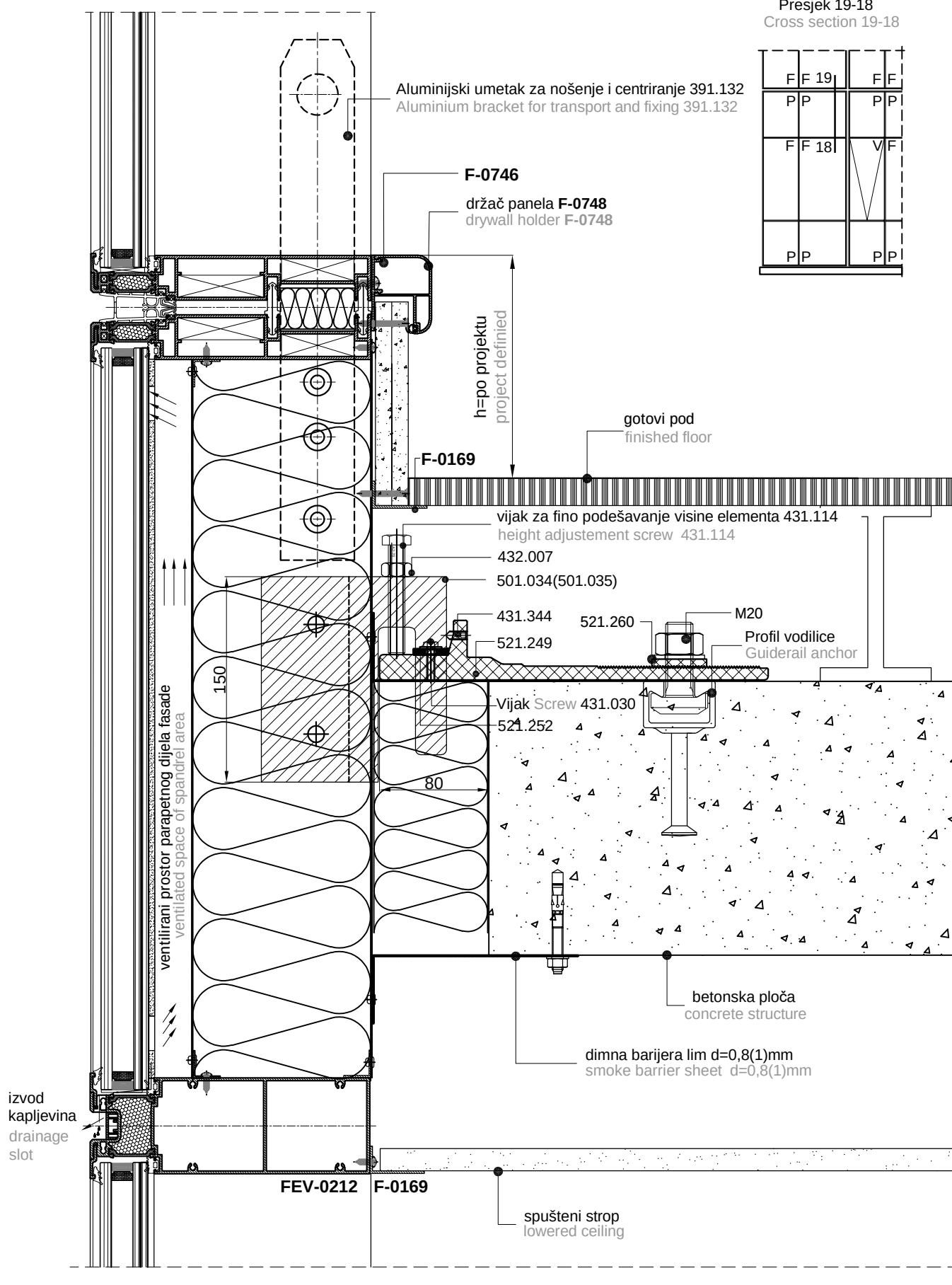


Presjek 21-21
Cross sections 21-21

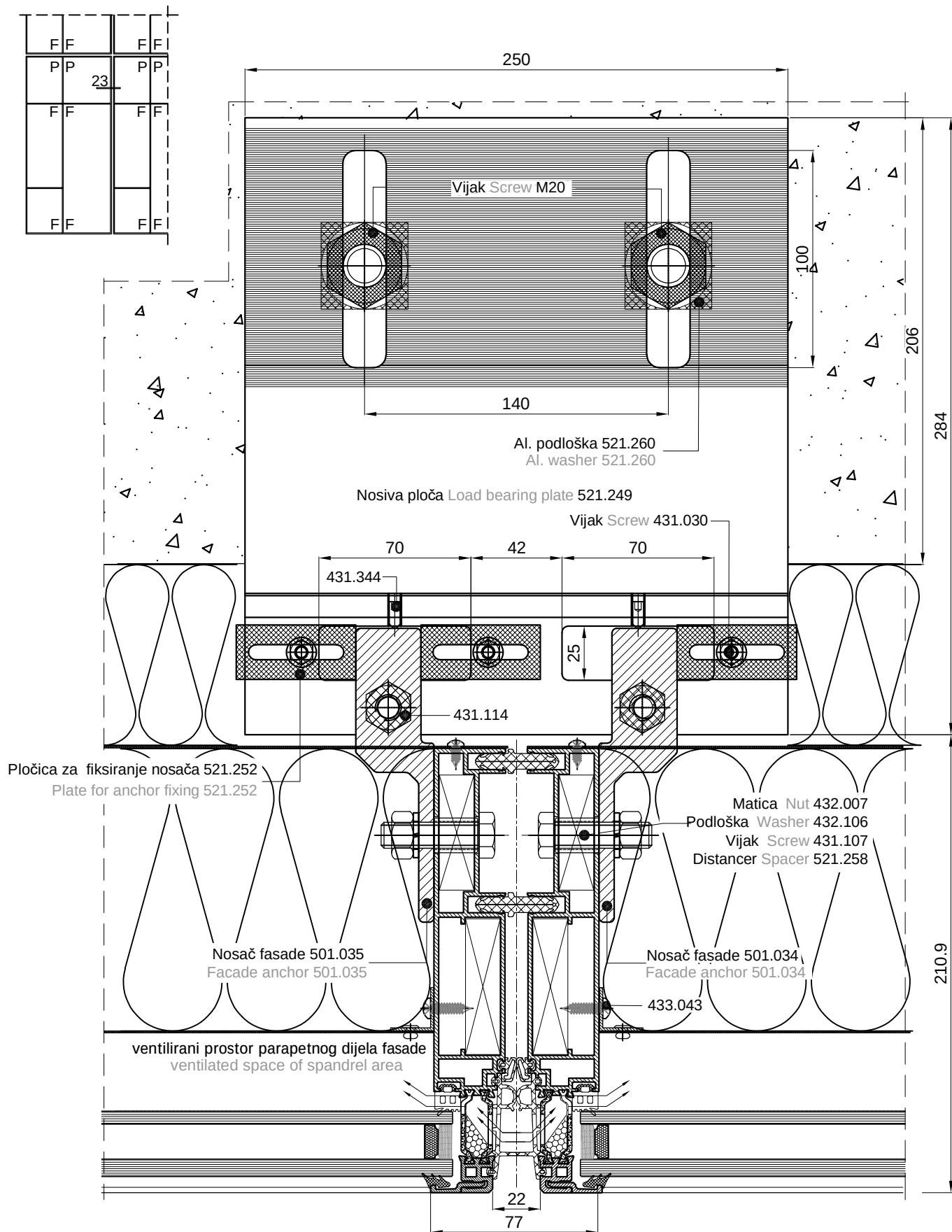


Spoj sa zidom - Presjek 22-22
Wall connection Cross section 22-22

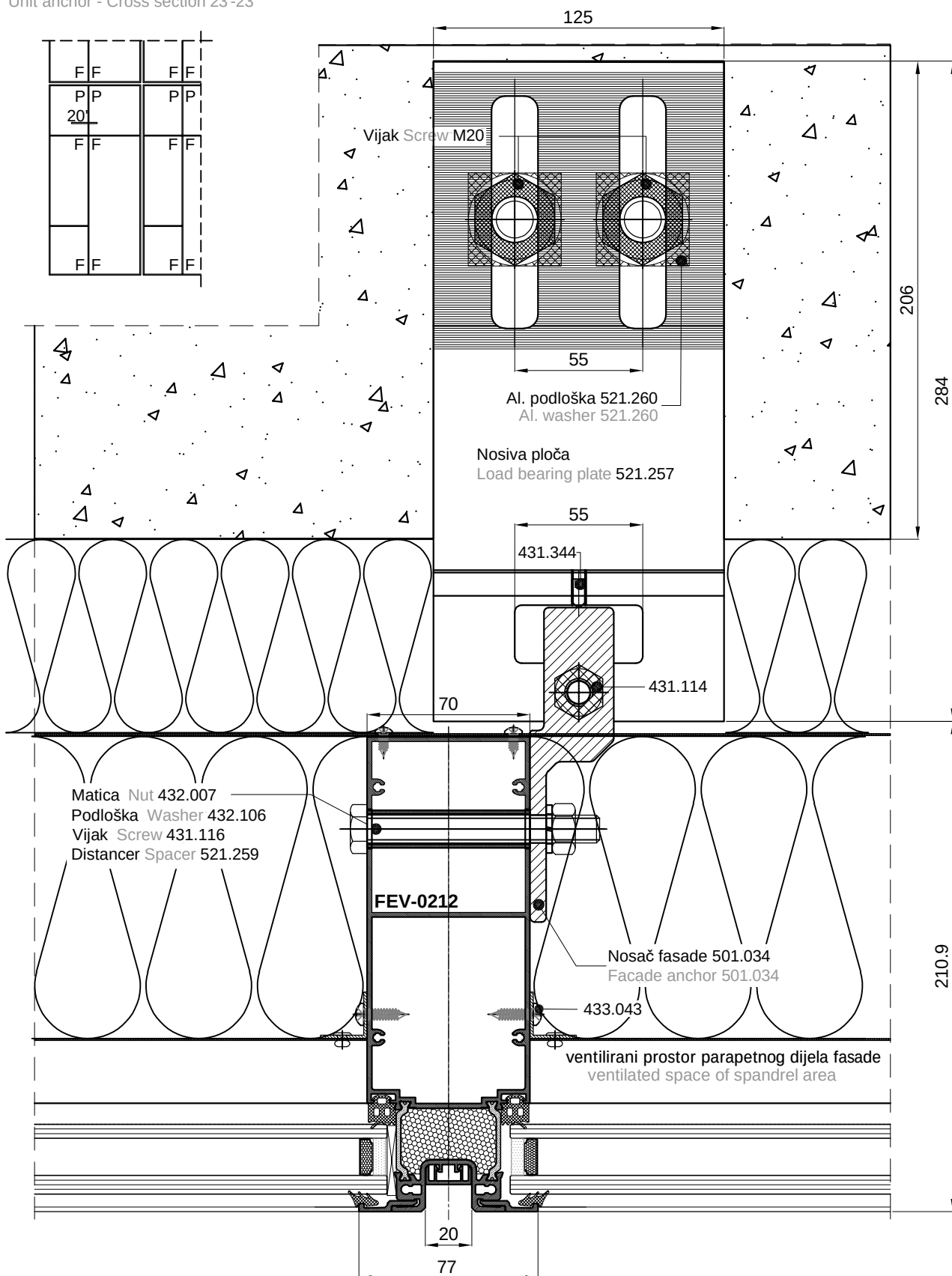




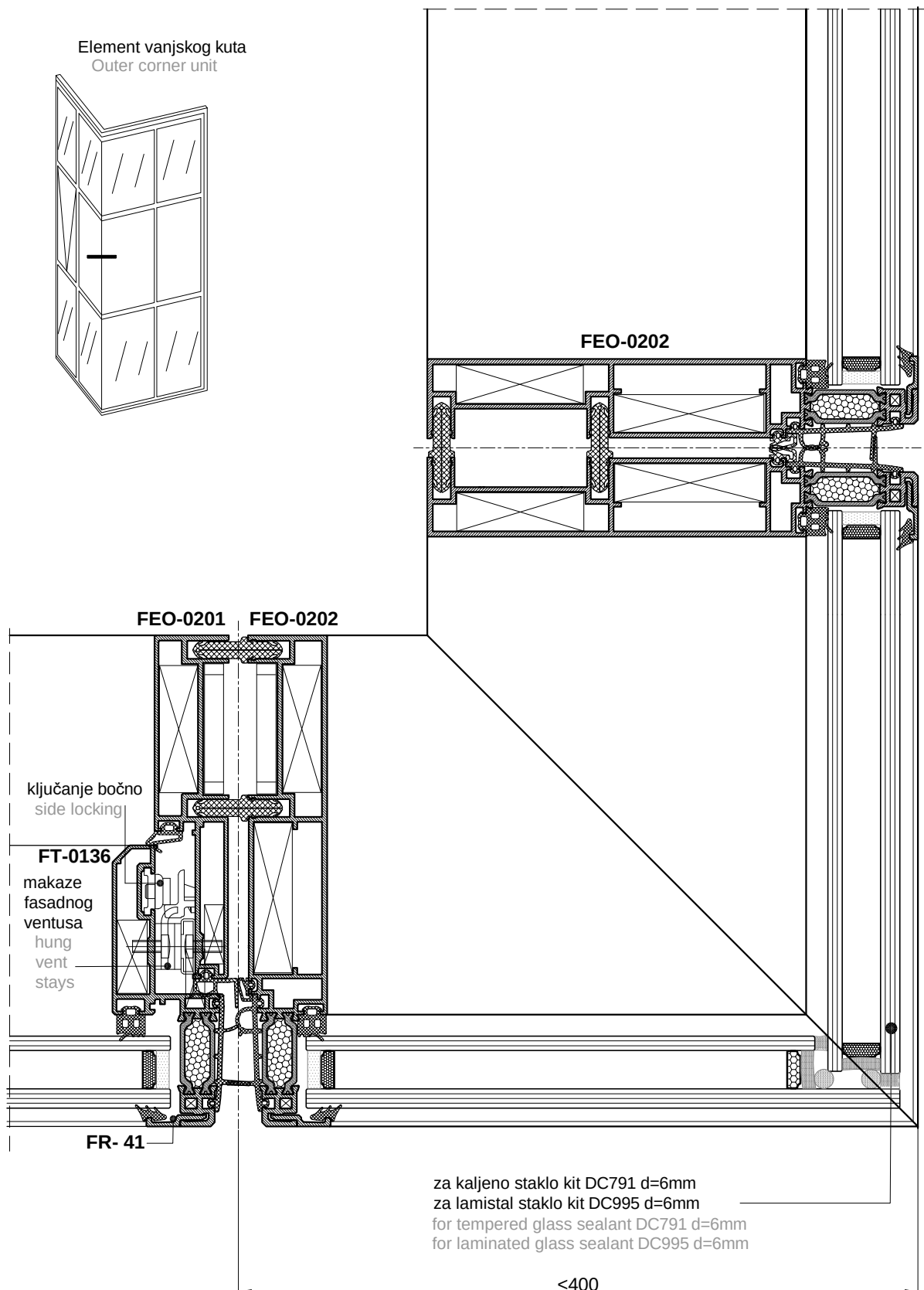
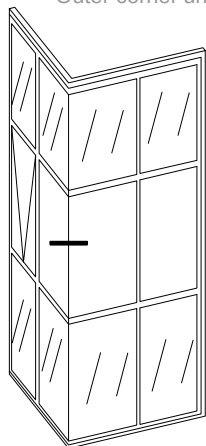
Nosač elementa- Presjek 23-23
Unit anchor - Cross section 23-23

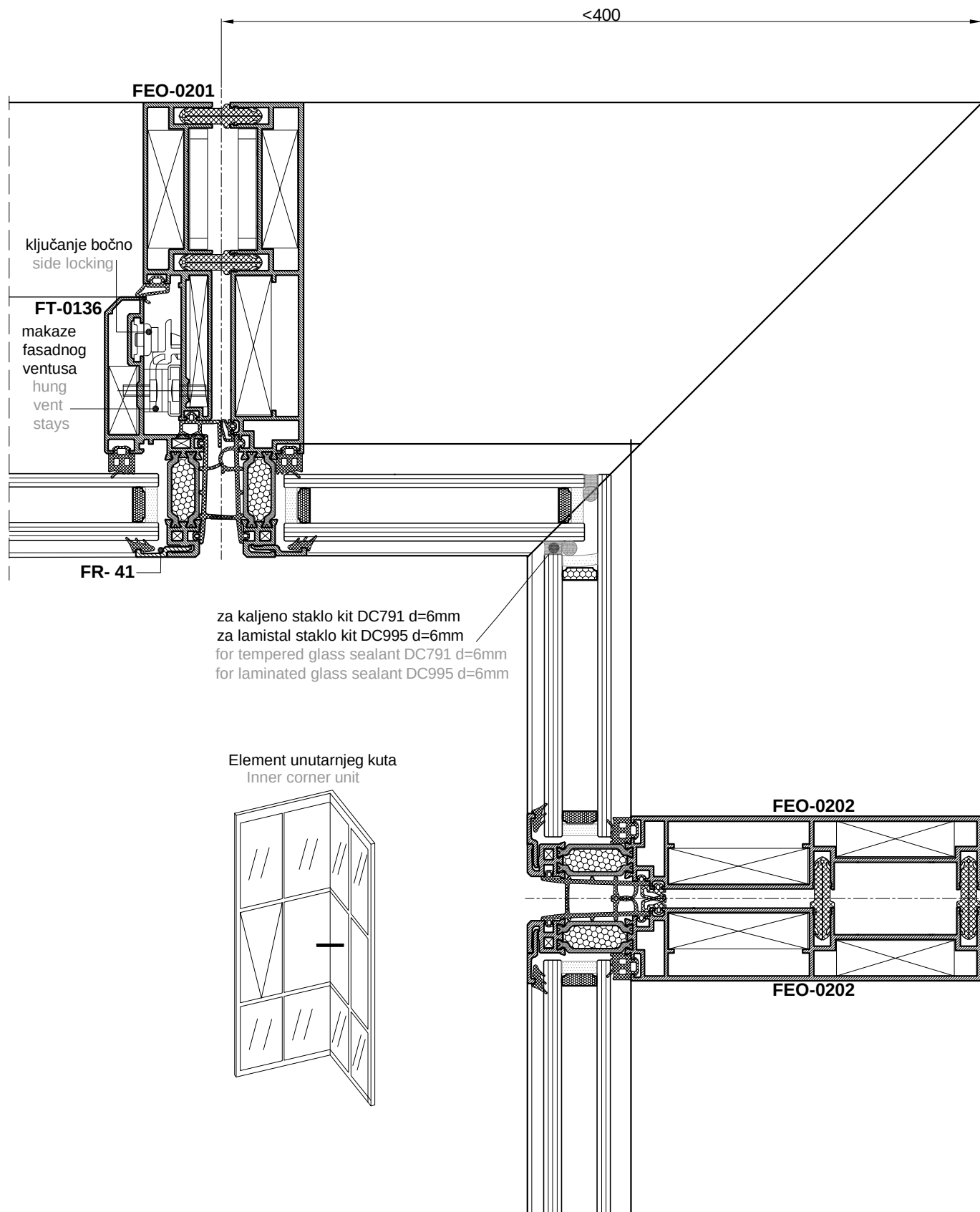


Nosač elementa- Presjek 23'-23'
Unit anchor - Cross section 23'-23'

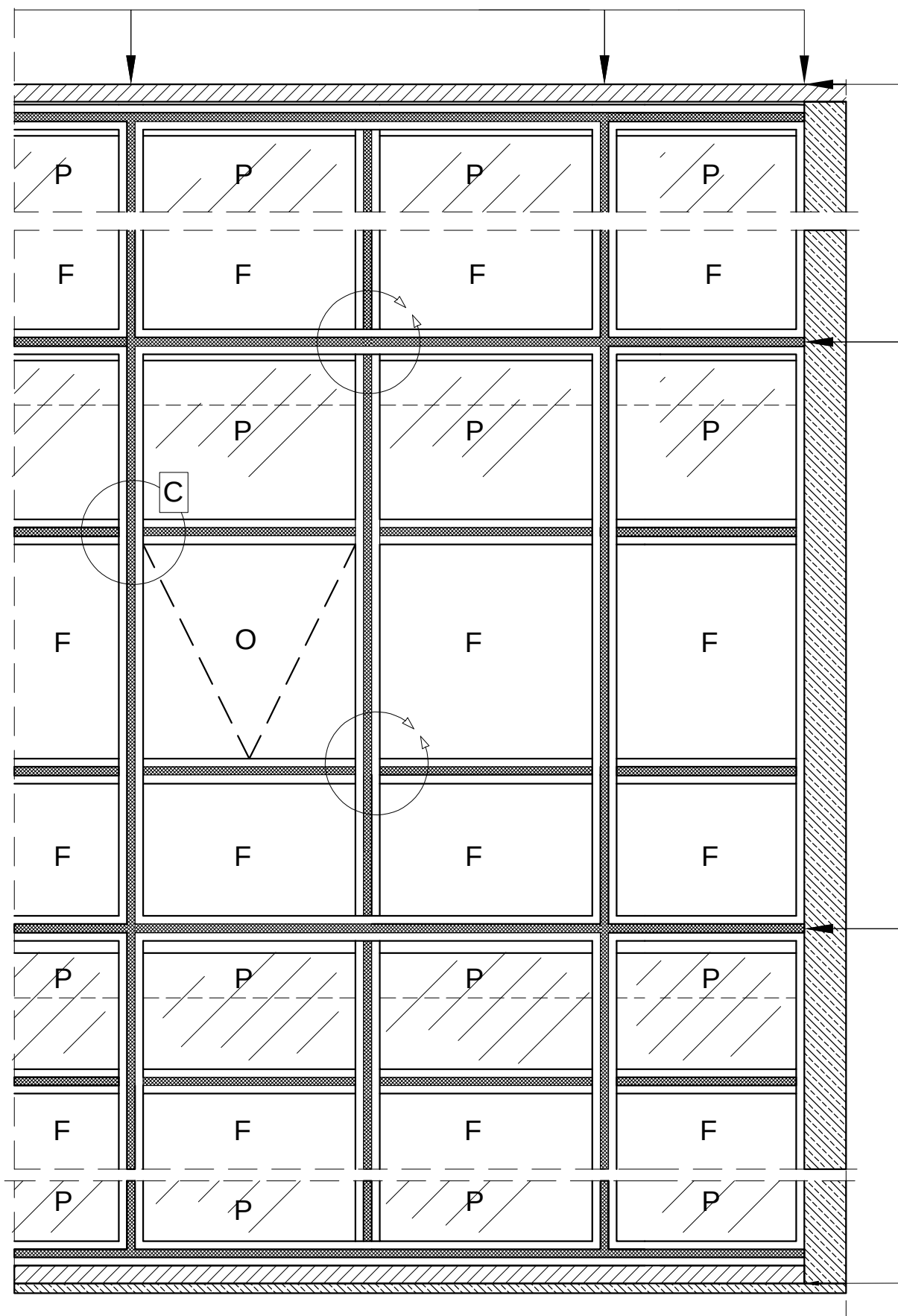


Element vanjskog kuta
Outer corner unit

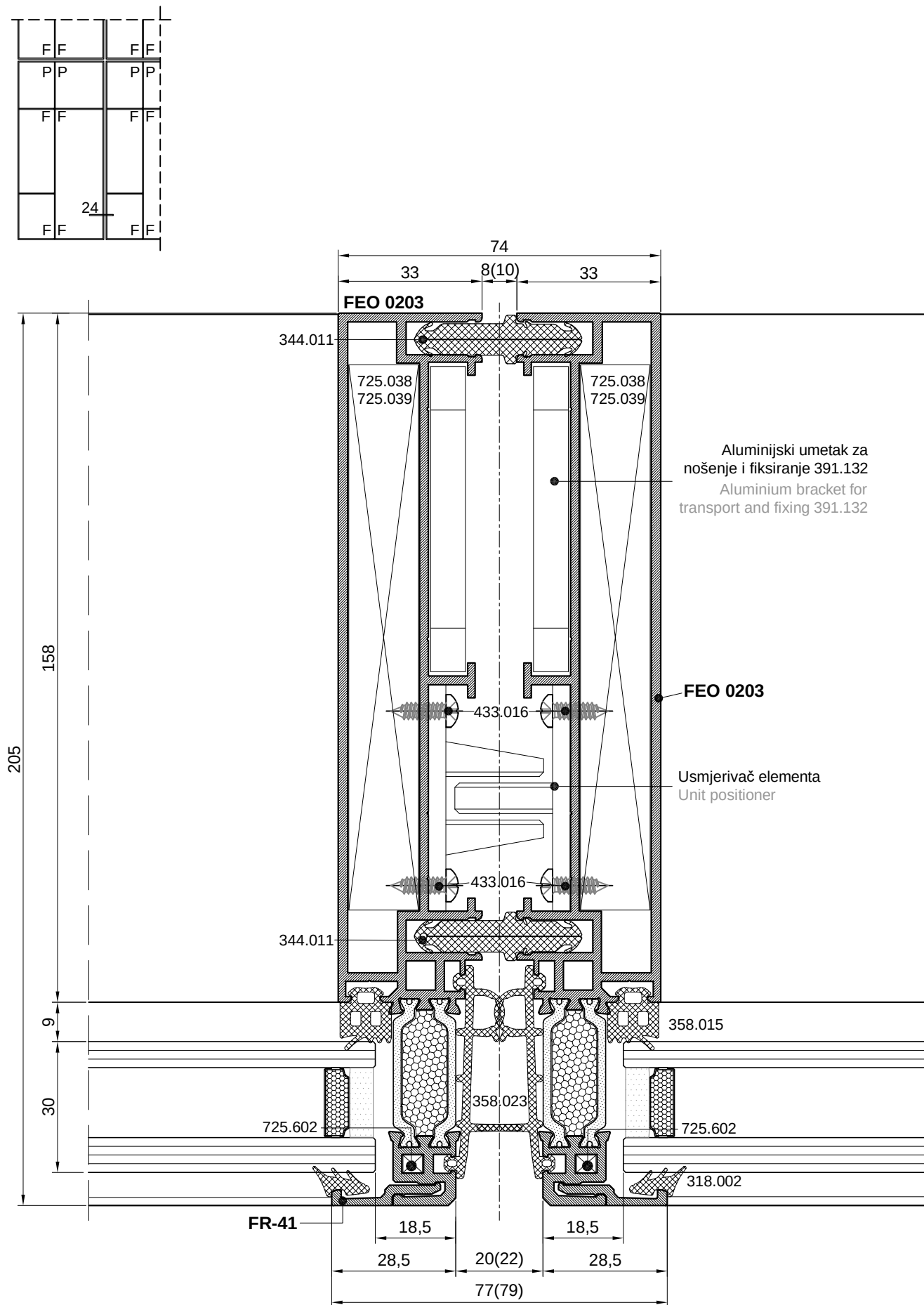




70 E tip type C



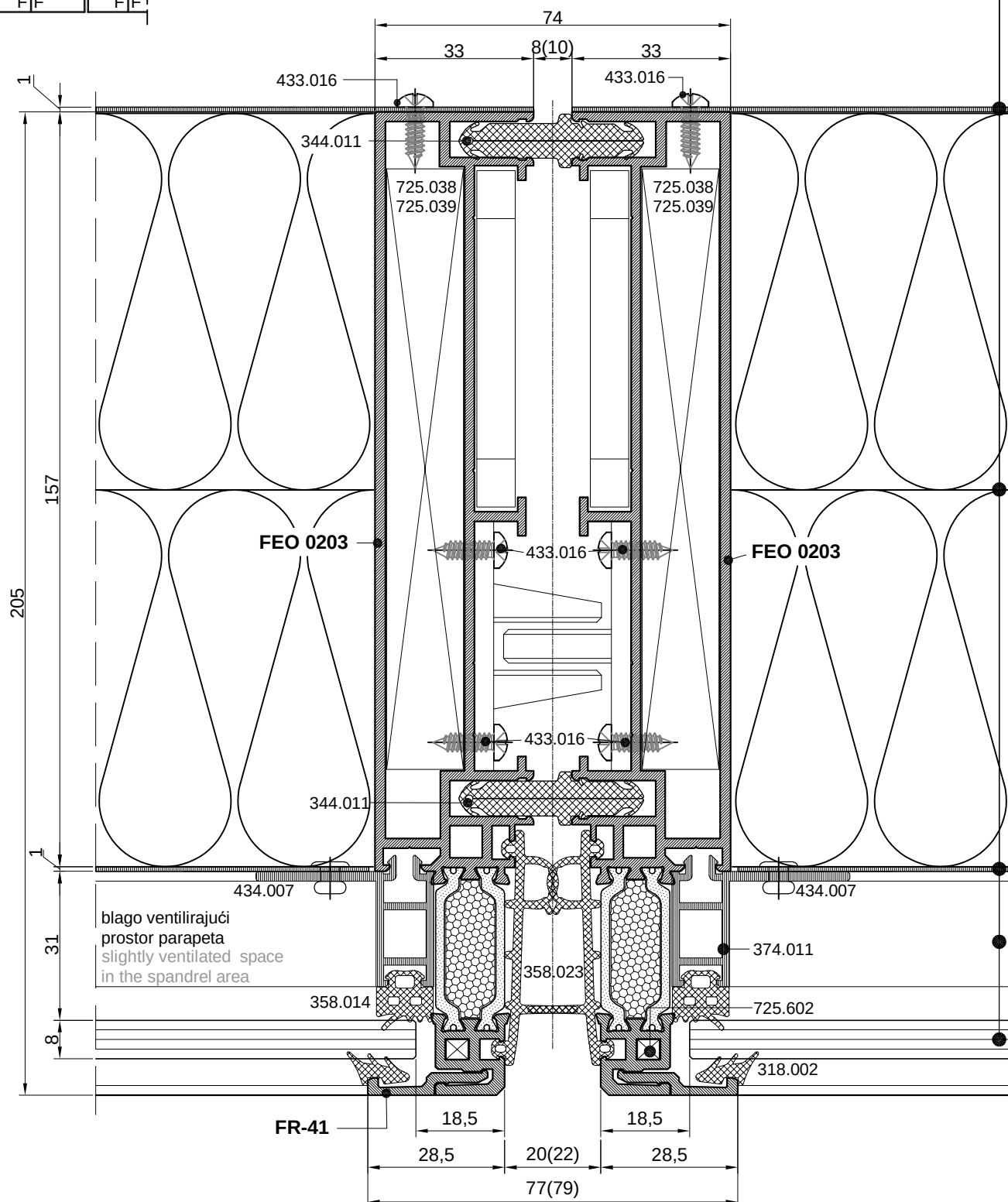
Presjek 24-24
Cross section 24-24



Presjek 25-24
Cross section 24-24

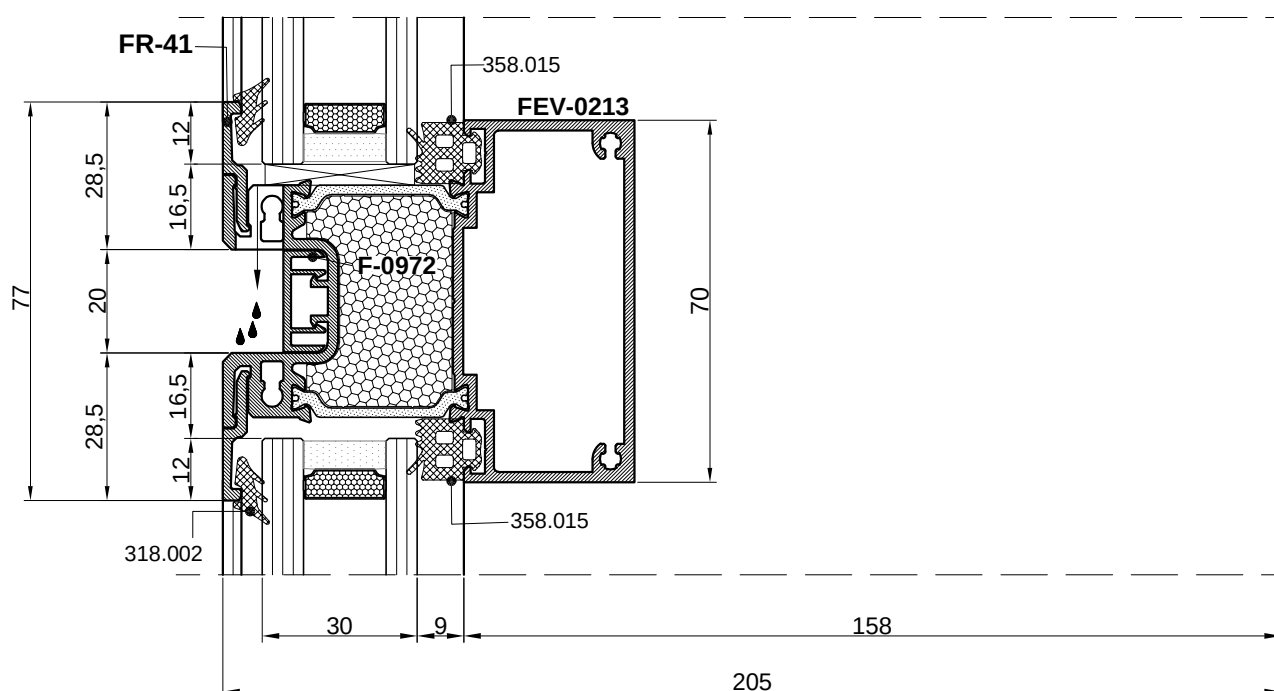
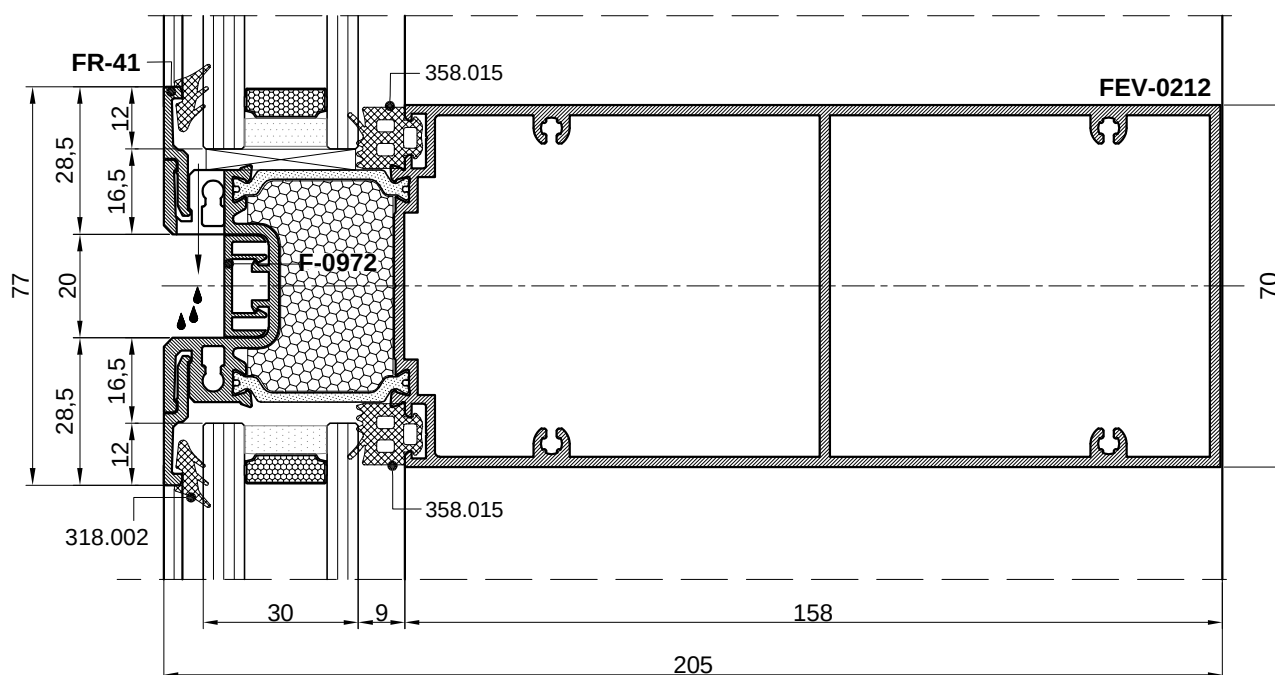
F F	F F
P P	P P
24	
F F	F F
F F	F F

Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
Kamena vuna 157mm (90kg/m3)
Stone wool 157mm (90kg/m3)
Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
Ventilirani zračni prostor 31mm
Ventilated air space 31mm
Kaljeno staklo 8mm-emajlirano
Tempered glass 8mm-enamelled

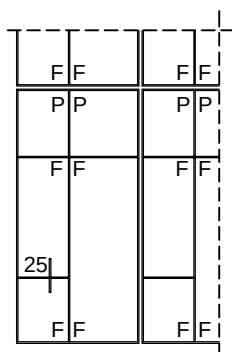


Presjek 25-25
Cross section 25-25

	F F		F F
	P P		P P
	F F		F F
25			
	F F		F F

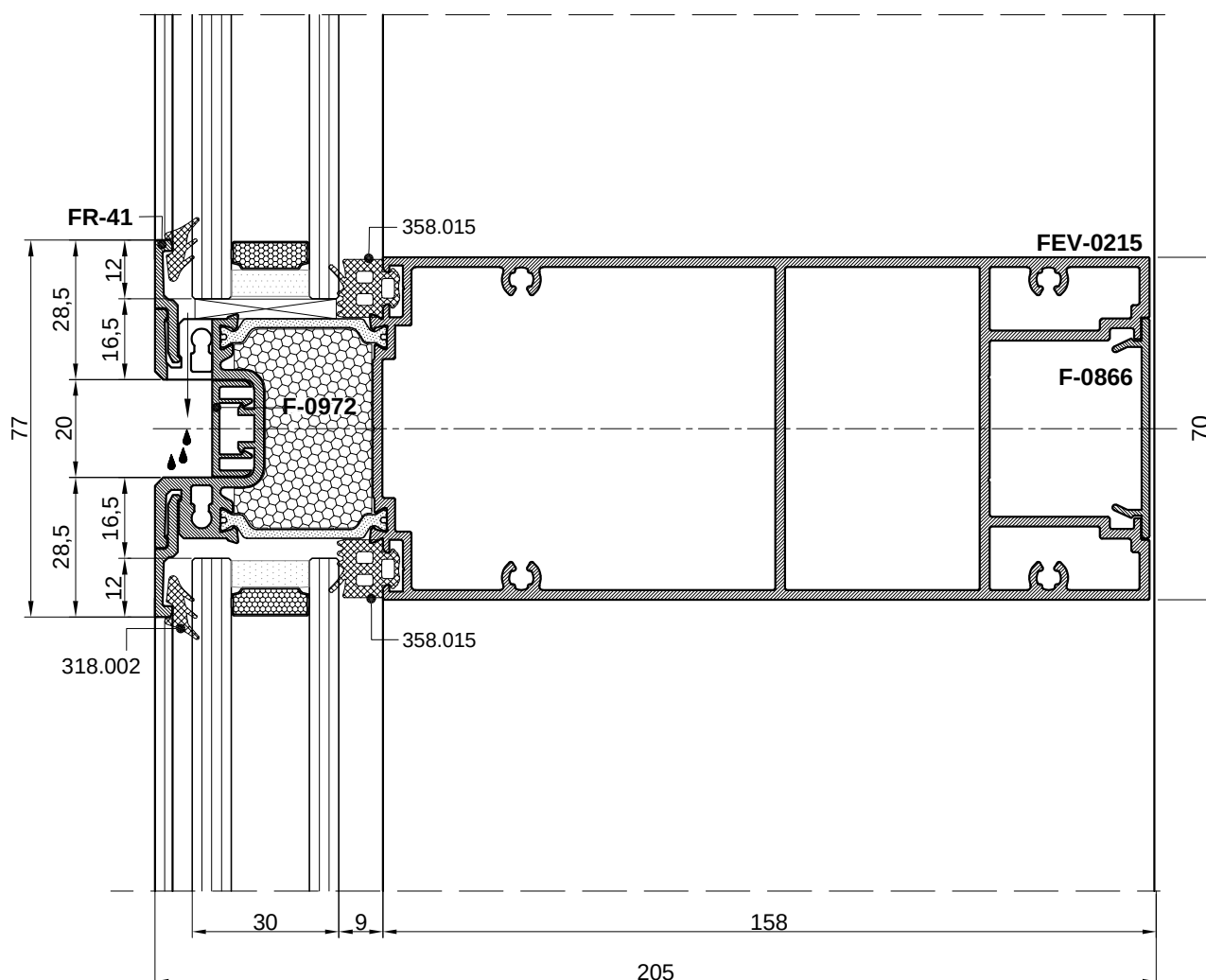


Presjek 25-25
Cross section 25-25

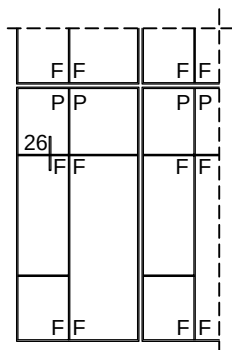


*Profil prečke FEV-0215 se koristi ukoliko postoji spoj prečke na prečku

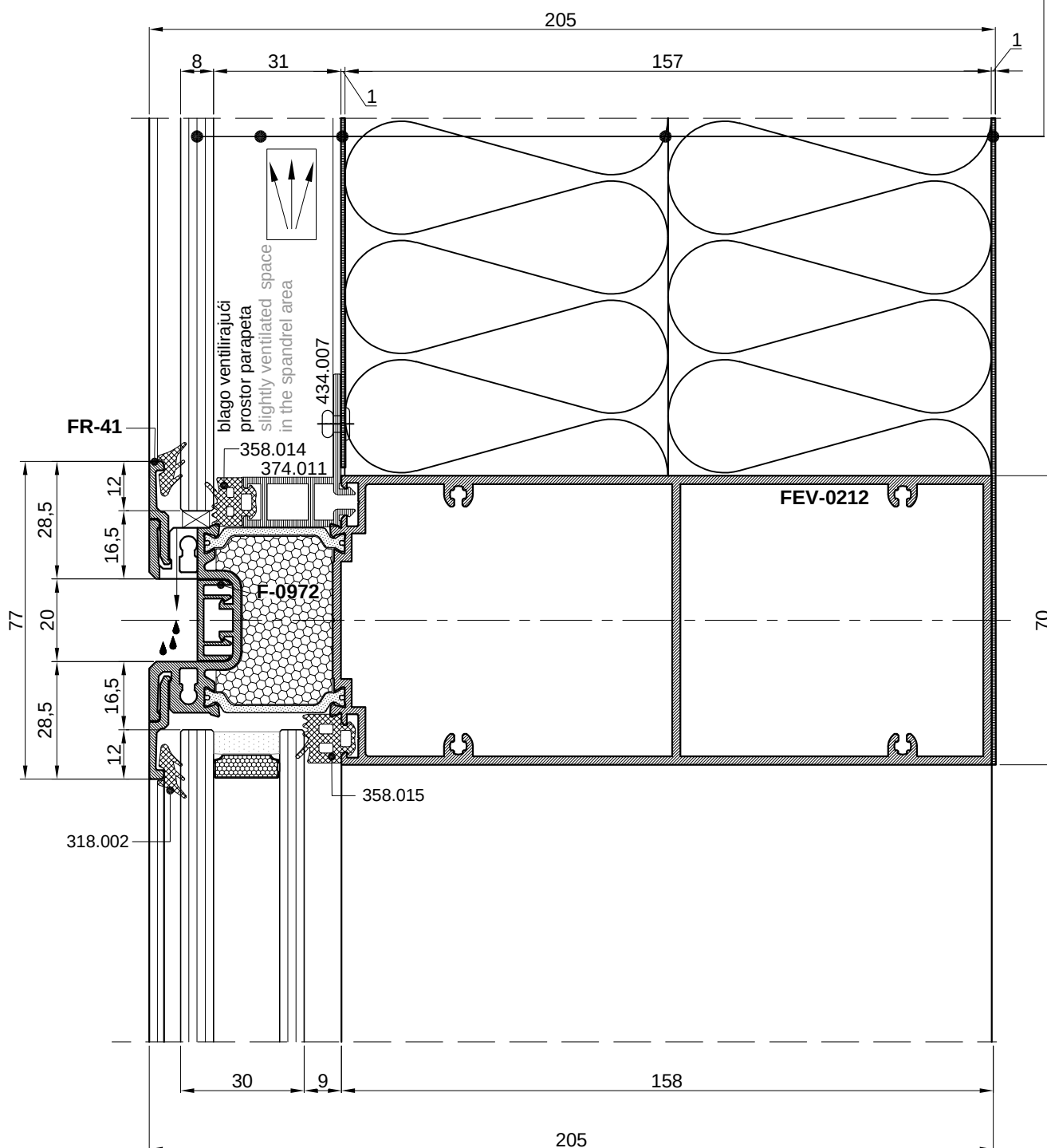
*Crossbar FEV-0215 is used when there is crossbar-crossbar joint



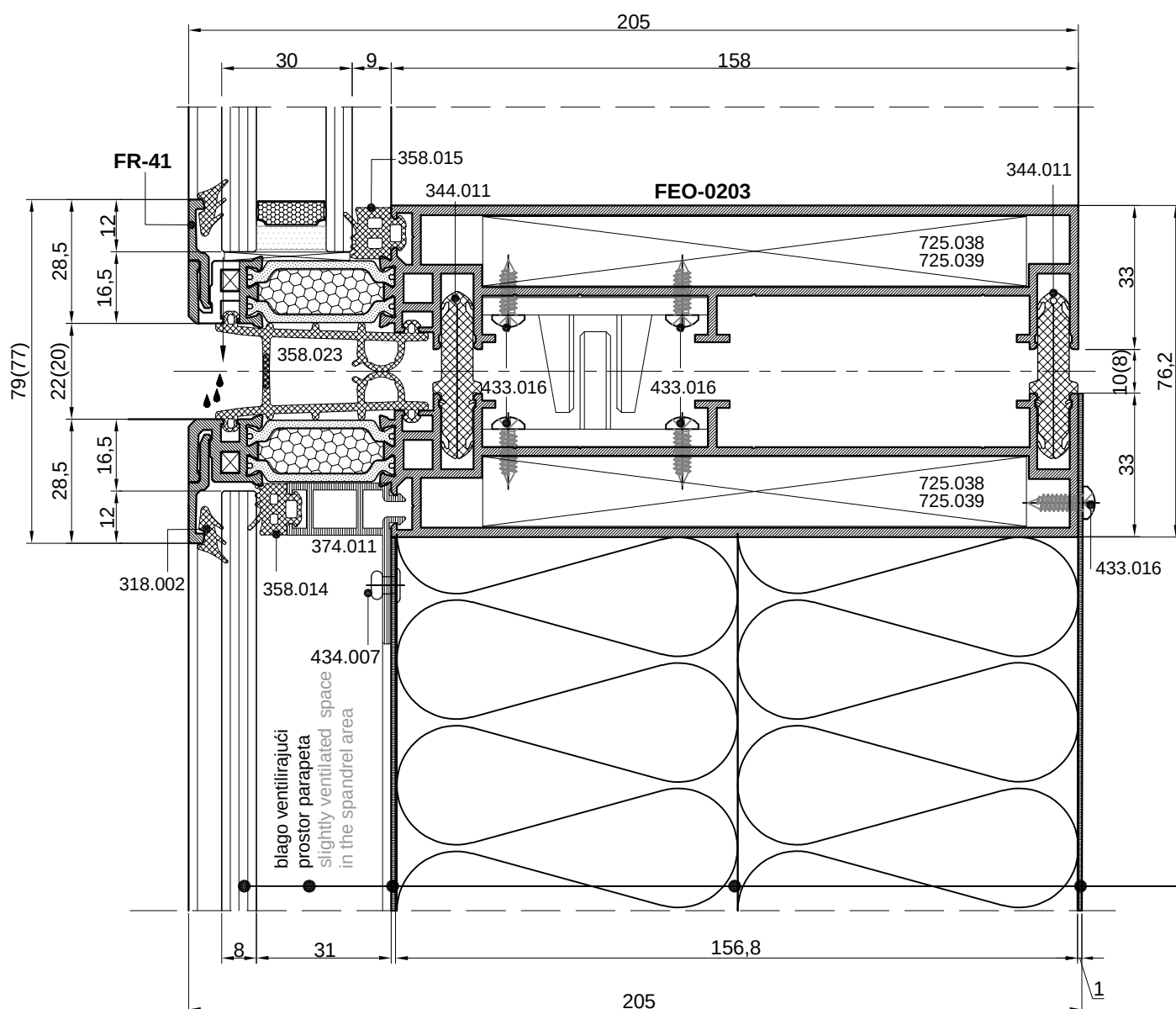
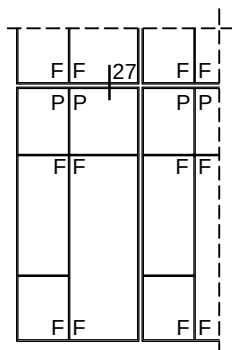
Presjek 26-26
Cross sections 26-26



Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
Kamena vuna 157mm (90kg/m3)
Stone wool 157mm (90kg/m3)
Pocinčani čelični lim 1,0mm
Galvanized steel sheet 1,0mm
Ventilirani zračni prostor 31mm
Ventilated air space 31mm
Kaljeno staklo 8mm-emajlirano
Tempered glass 8mm-enamelled

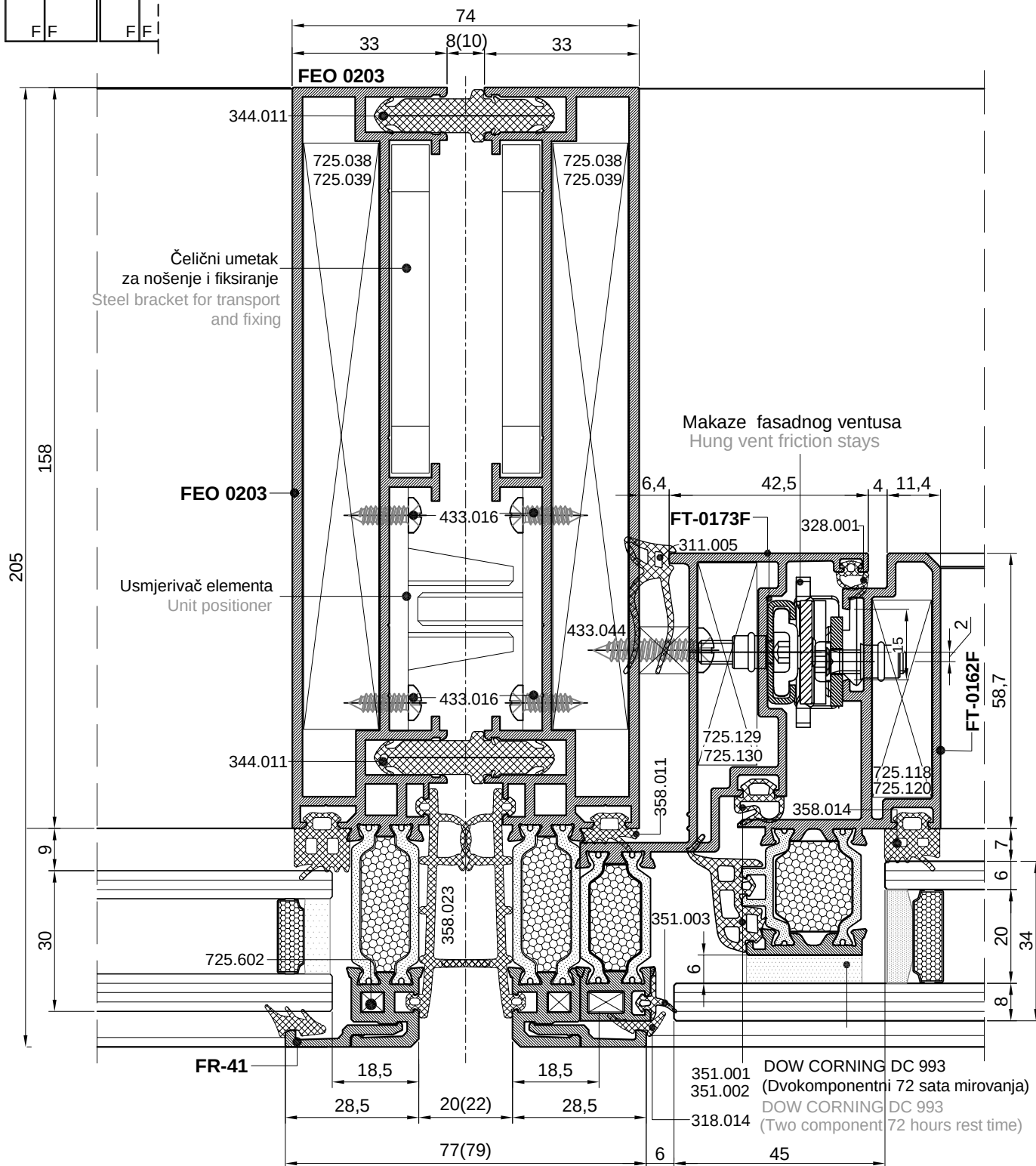
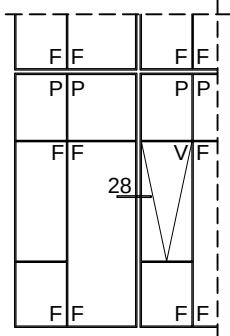


Presjek 27-27
Cross sections 27-27

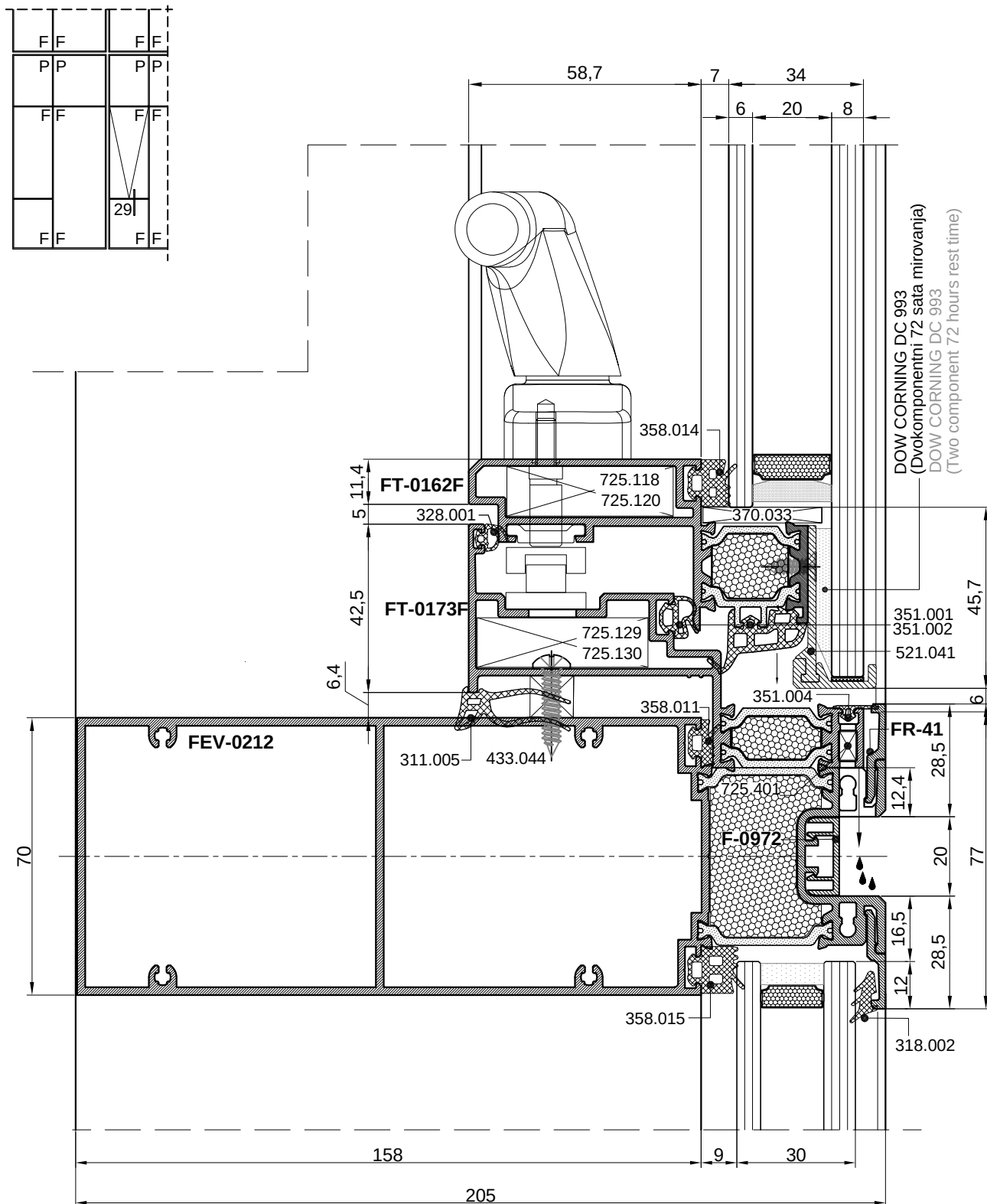


- Pocinčani čelični lim 1,0mm
- Galvanized steel sheet 1,0mm
- Kamena vuna 157mm (90kg/m3)
- Stone wool 157mm (90kg/m3)
- Pocinčani čelični lim 1,0mm
- Galvanized steel sheet 1,0mm
- Ventilirani zračni prostor 31mm
- Ventilated air space 31mm
- Kaljeno staklo 8mm-emajlirano
- Tempered glass 8mm-enamelled

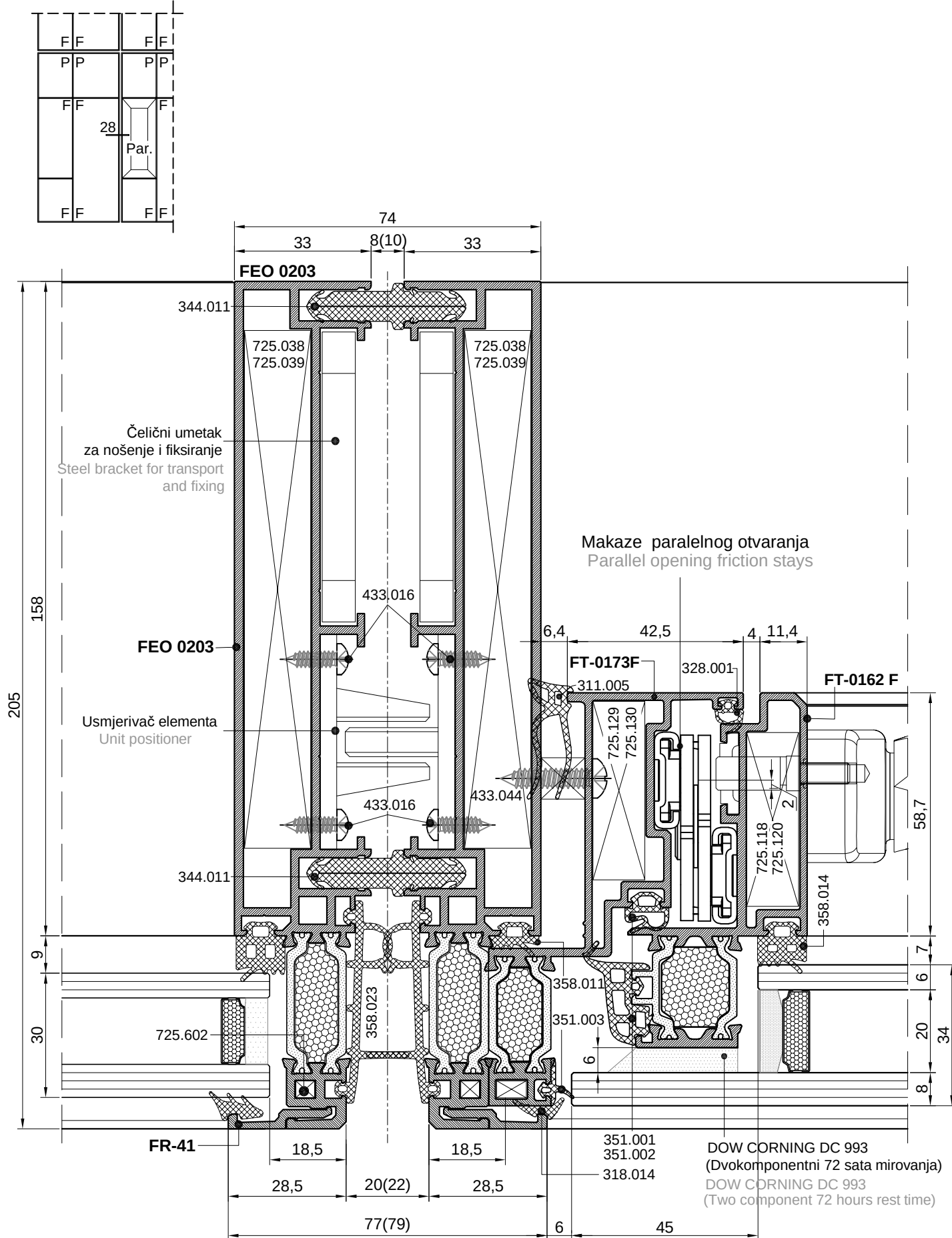
Presjek 28-28
Cross section 28-28



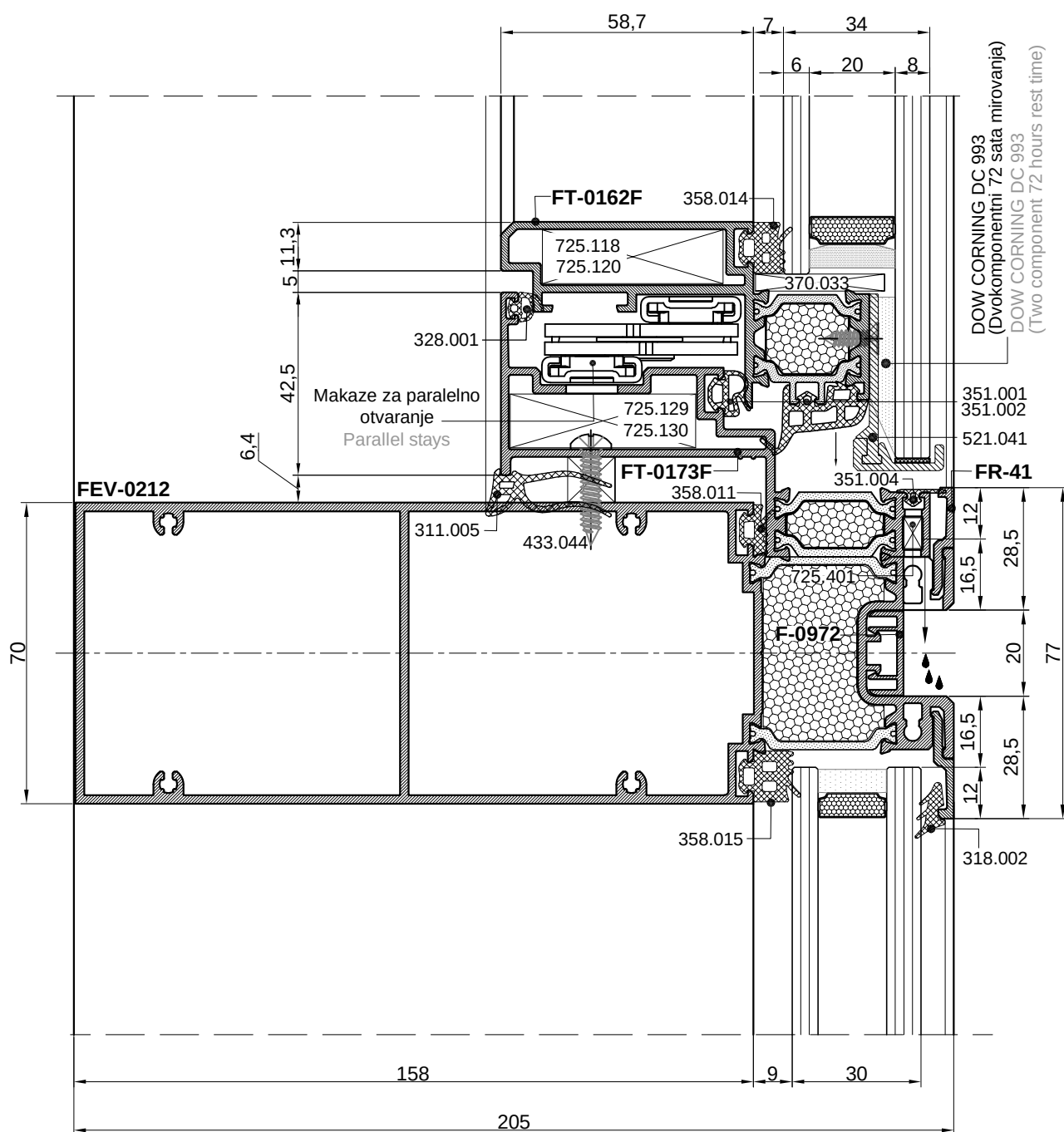
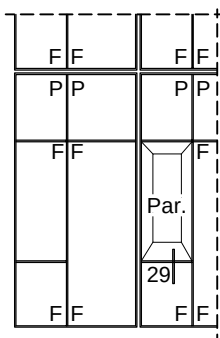
Presjek 29-29
Cross sections 29-29



Presjek 28-28
Cross section 28-28

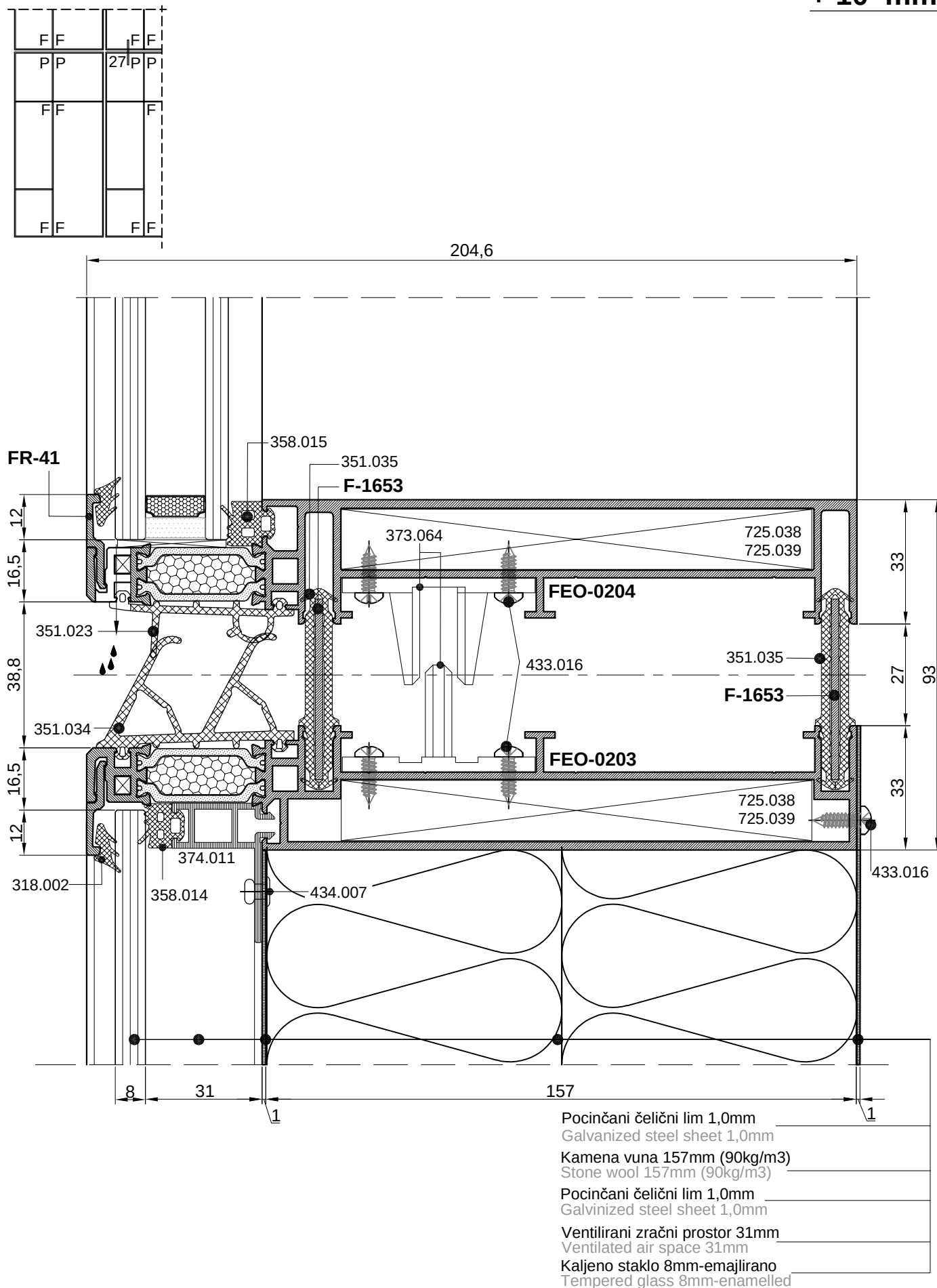


Presjek 29-29
Cross sections 29-29



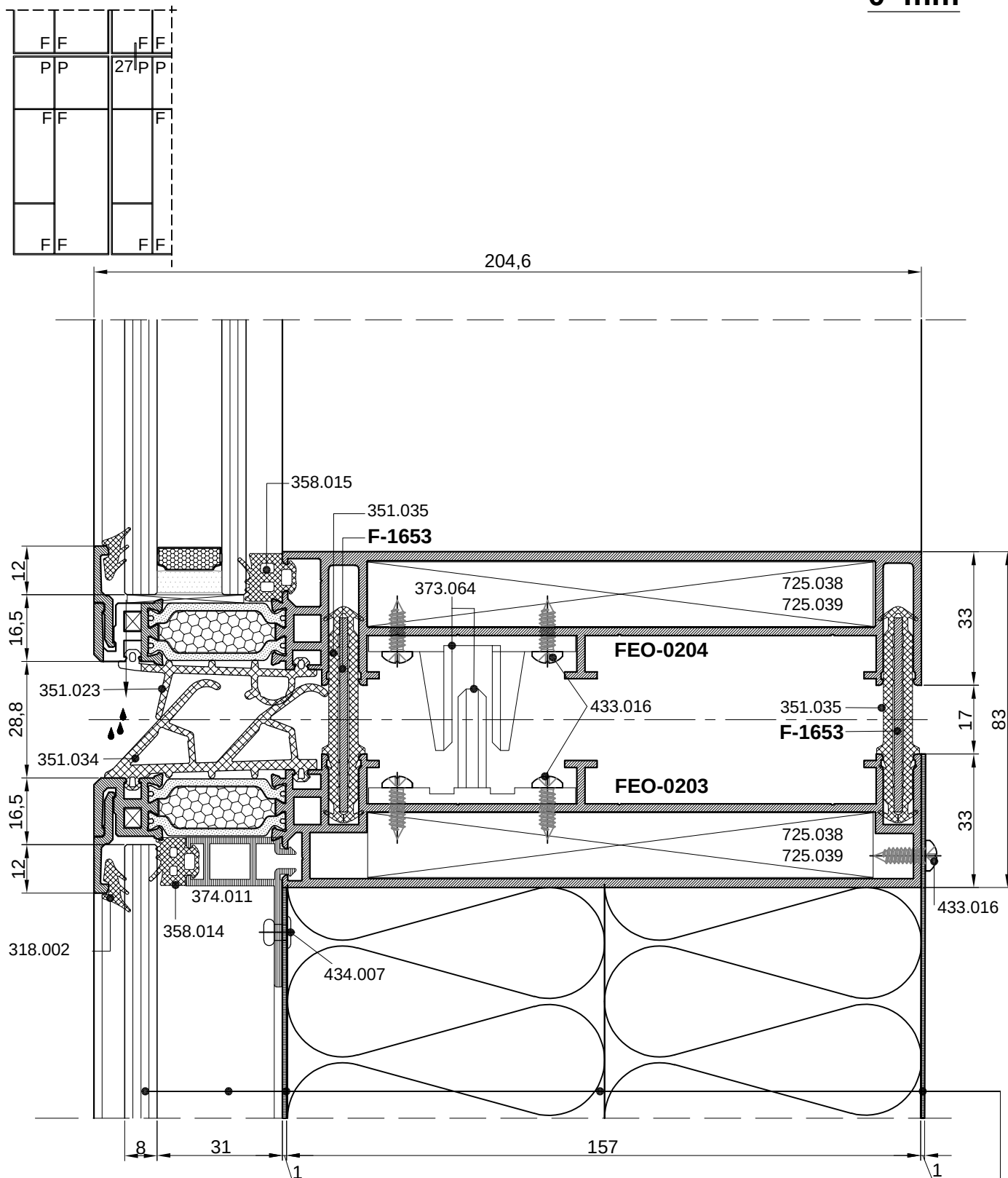
Presjek 27-27
Cross sections 27-27

+ 10 mm



Presjek 27-27
Cross sections 27-27

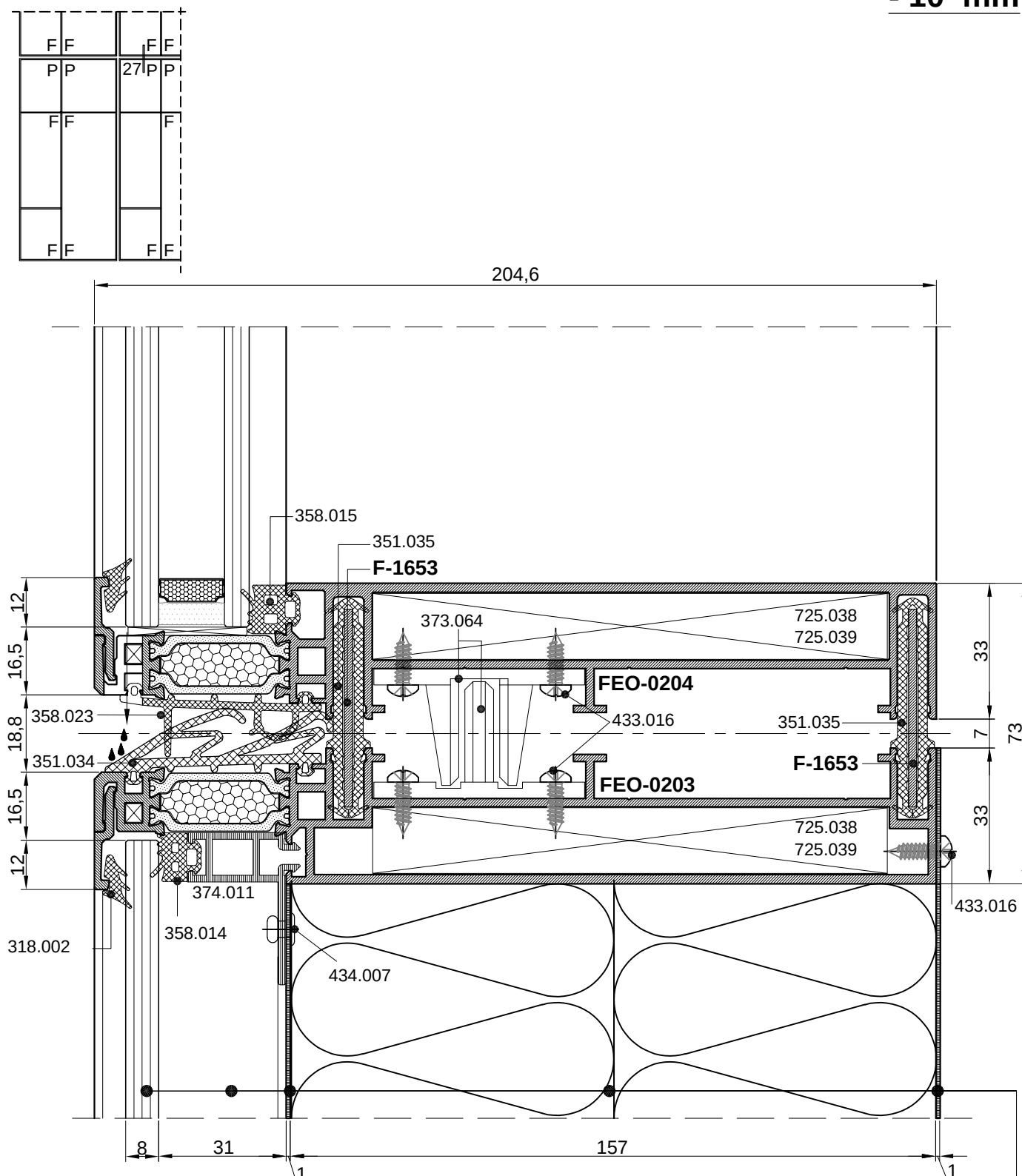
0 mm



- Pocinčani čelični lim 1,0mm
- Galvanized steel sheet 1,0mm
- Kamena vuna 157mm (90kg/m3)
- Stone wool 157mm (90kg/m3)
- Pocinčani čelični lim 1,0mm
- Galvanized steel sheet 1,0mm
- Ventilirani zračni prostor 31mm
- Ventilated air space 31mm
- Kaljeno staklo 8mm-emajlirano
- Tempered glass 8mm-enamelled

Presjek 27-27
Cross sections 27-27

- 10 mm



Pocinčani čelični lim 1,0mm

Galvanized steel sheet 1,0mm

Kamena vuna 157mm (90kg/m3)

Stone wool 157mm (90kg/m3)

Pocinčani čelični lim 1,0mm

Galvanized steel sheet 1,0mm

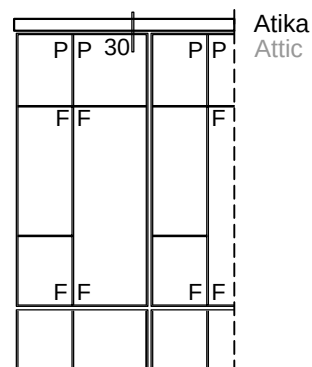
Ventilirani zračni prostor 31mm

Ventilated air space 31mm

Kaljeno staklo 8mm-emajlirano

Tempered glass 8mm-enamelled

Presjek 30-30
Cross section 30-30



Atika
Attic

Hidroizolacija-paropropusna folija npr. Wutop Trio
Watertight-vaporpermeable layer eg. Wutop Trio

Paronepropusna folija npr. Wutop DB40
Vaportight layer eg. Wutop DB40

Termoizolacija
Thermo insulation

FEO-0203

-A-

-A-

A.B.Vijenac
Reinforced
concrete beam

431.114

432.007

501.034(501.035)

431.344

521.249

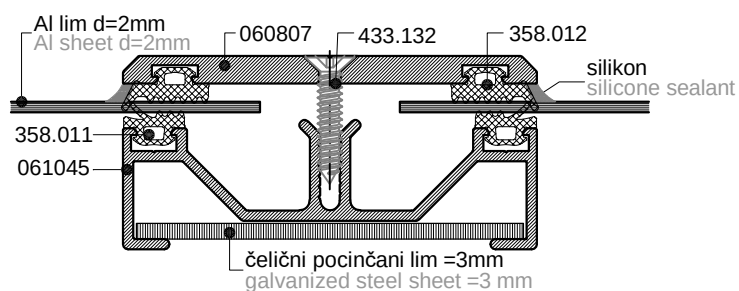
Vijak Screw 431.030

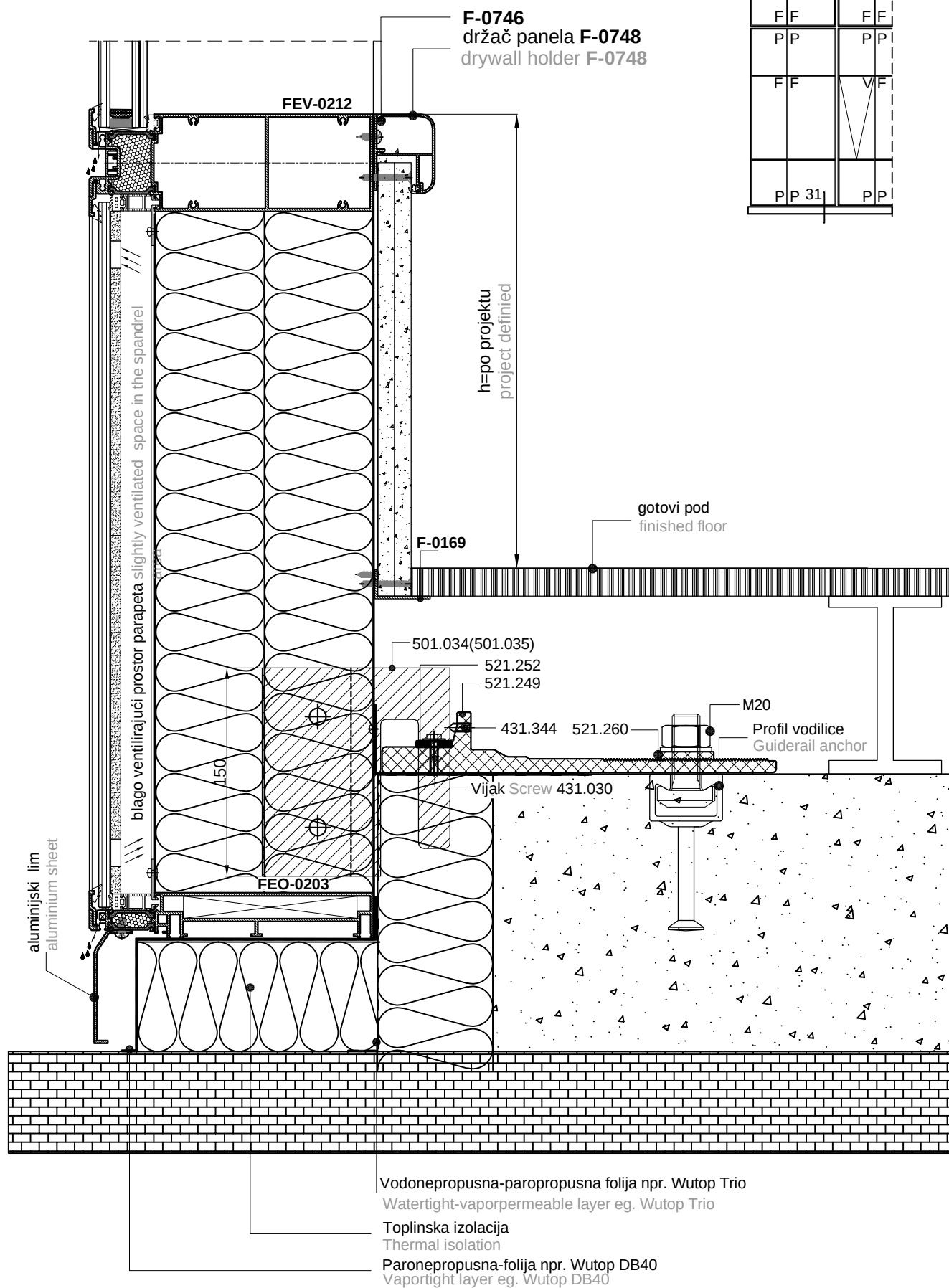
521.252

Emajirano staklo
Enamelled glass

blago ventilirajući prostor parapeta
slightly ventilated space in the spandrel area

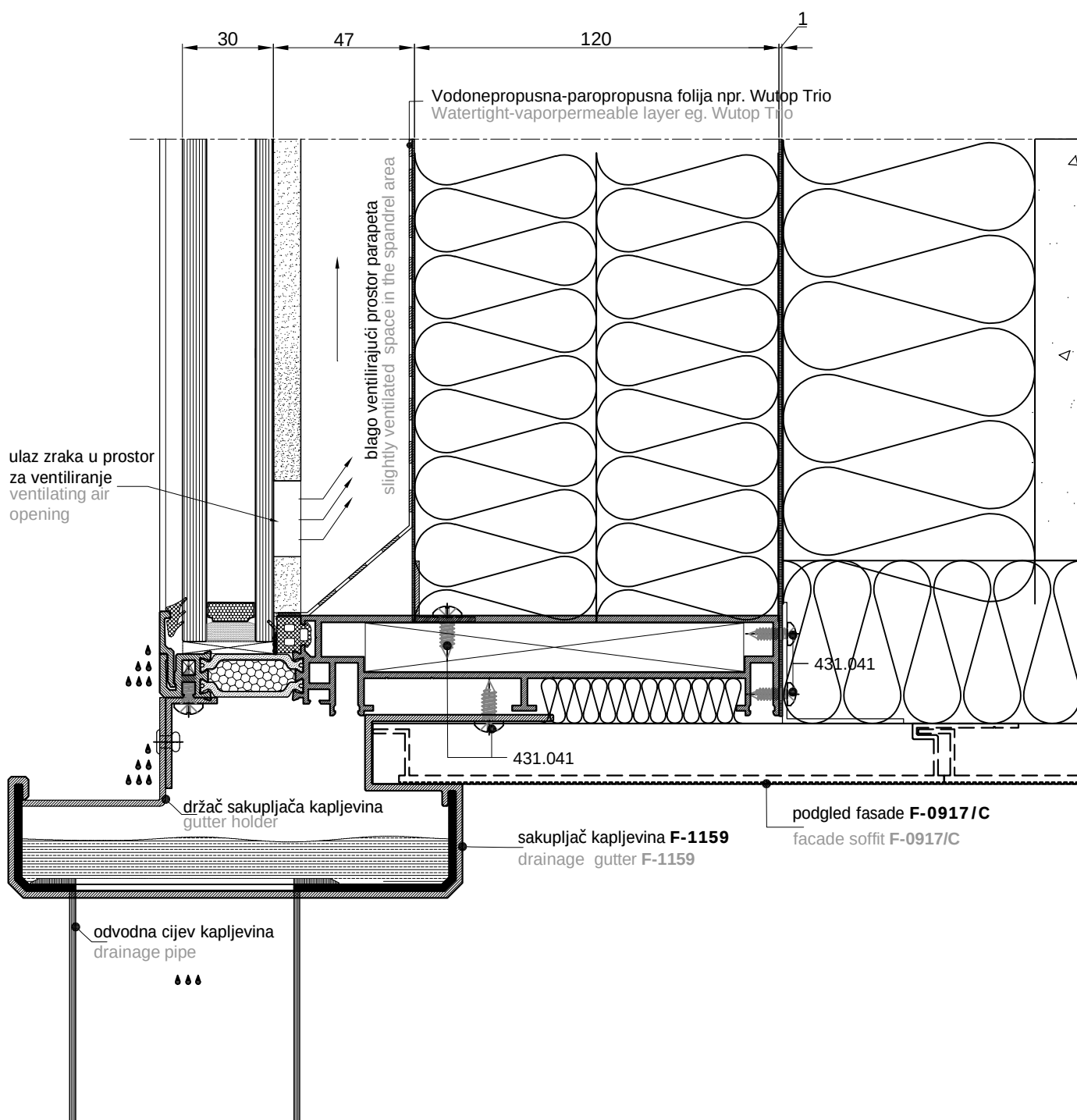
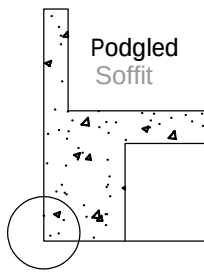
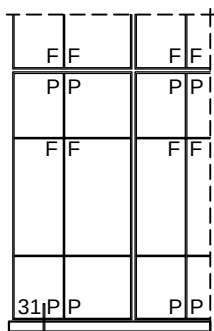
Presjek A-A M 1:2
Cross section A-A M 1:2



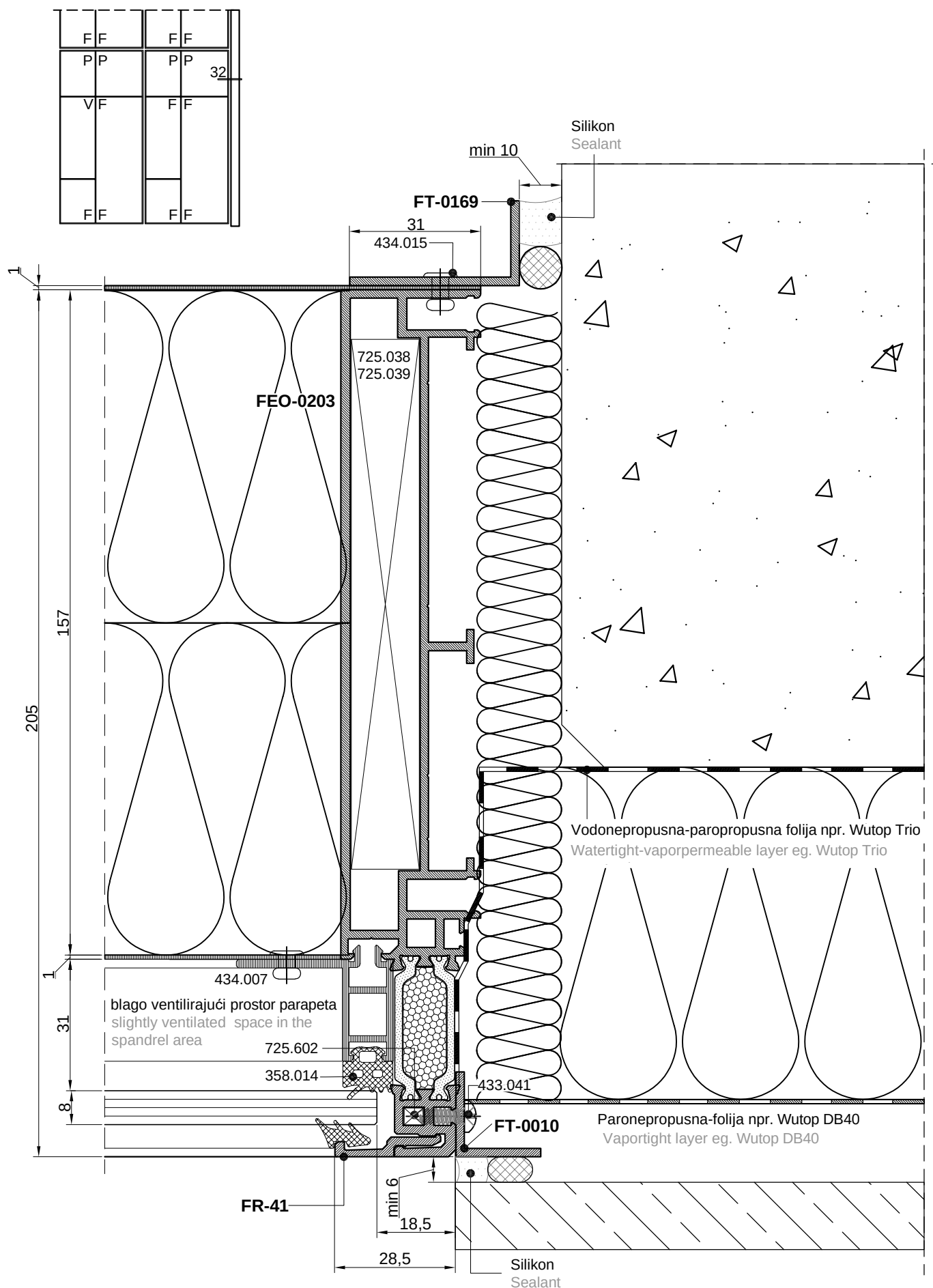
Presjek 31-31
Cross section 31-31

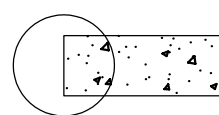
Presjek 31-31

Cross section 31-31



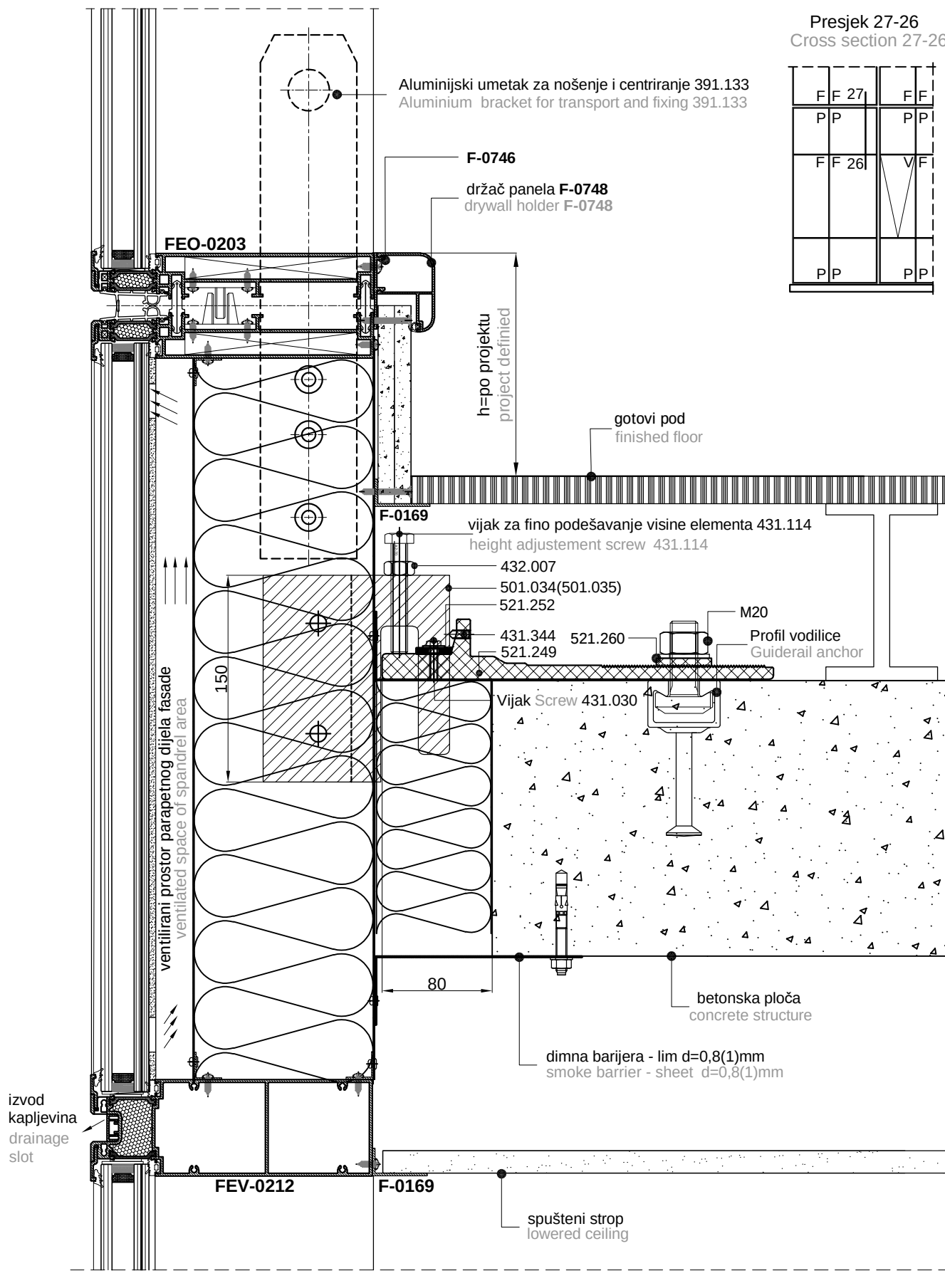
Spoj sa zidom - Presjek 32-32
Wall connection Cross section 32-32



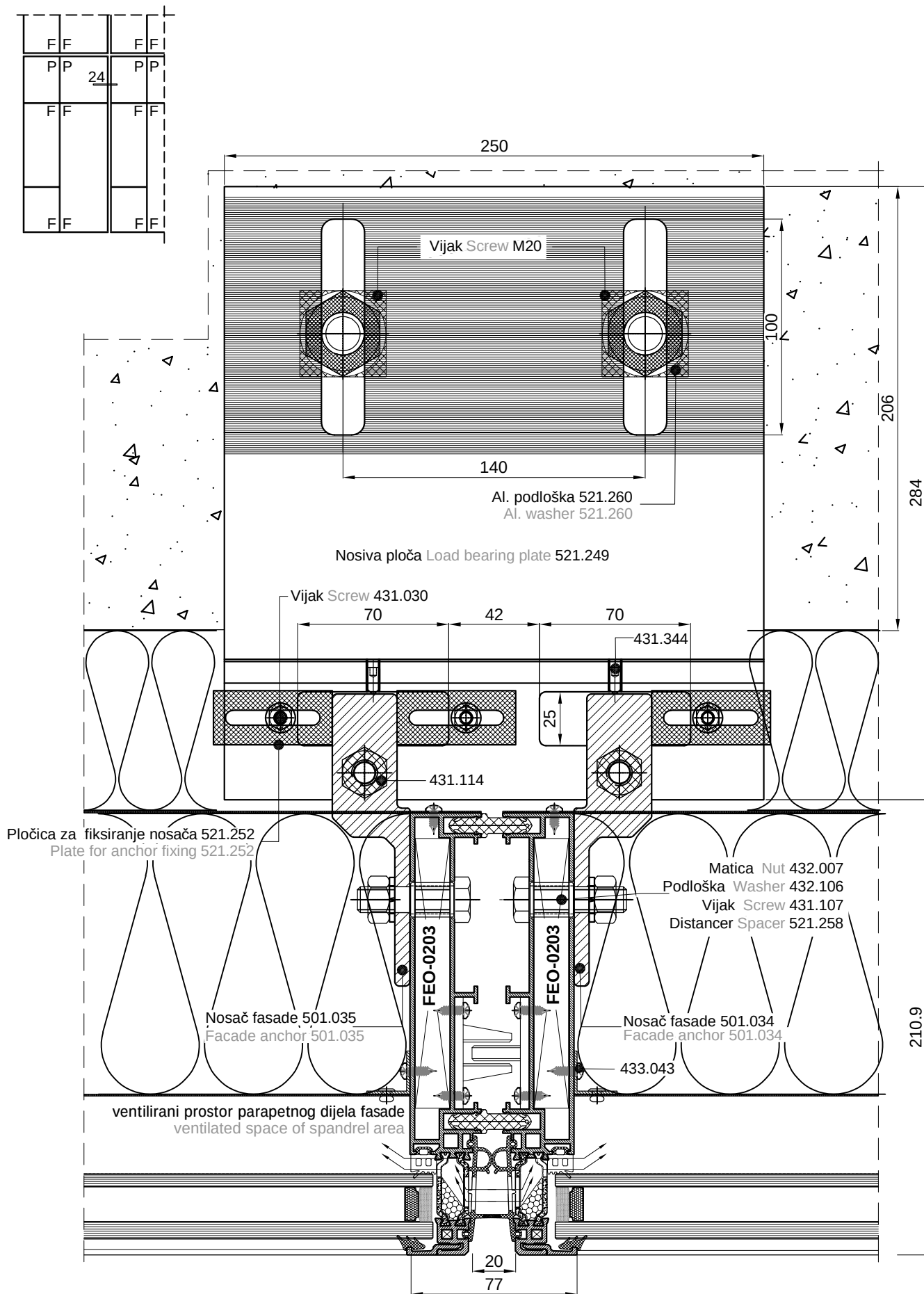


Presjek 27-26
Cross section 27-26

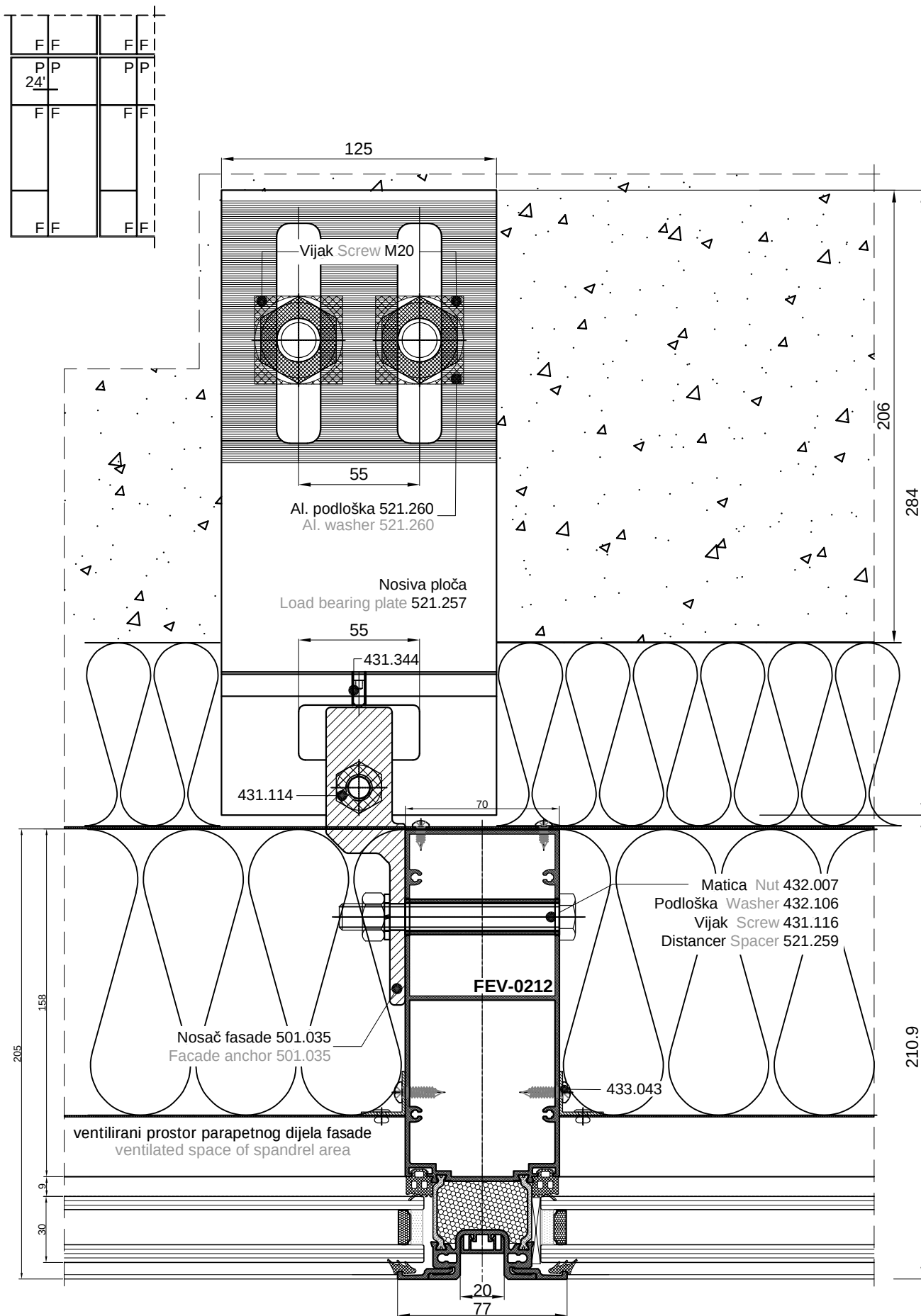
F	F 27	F	F
P	P	P	P
F	F 26	V	F
P	P	P	P



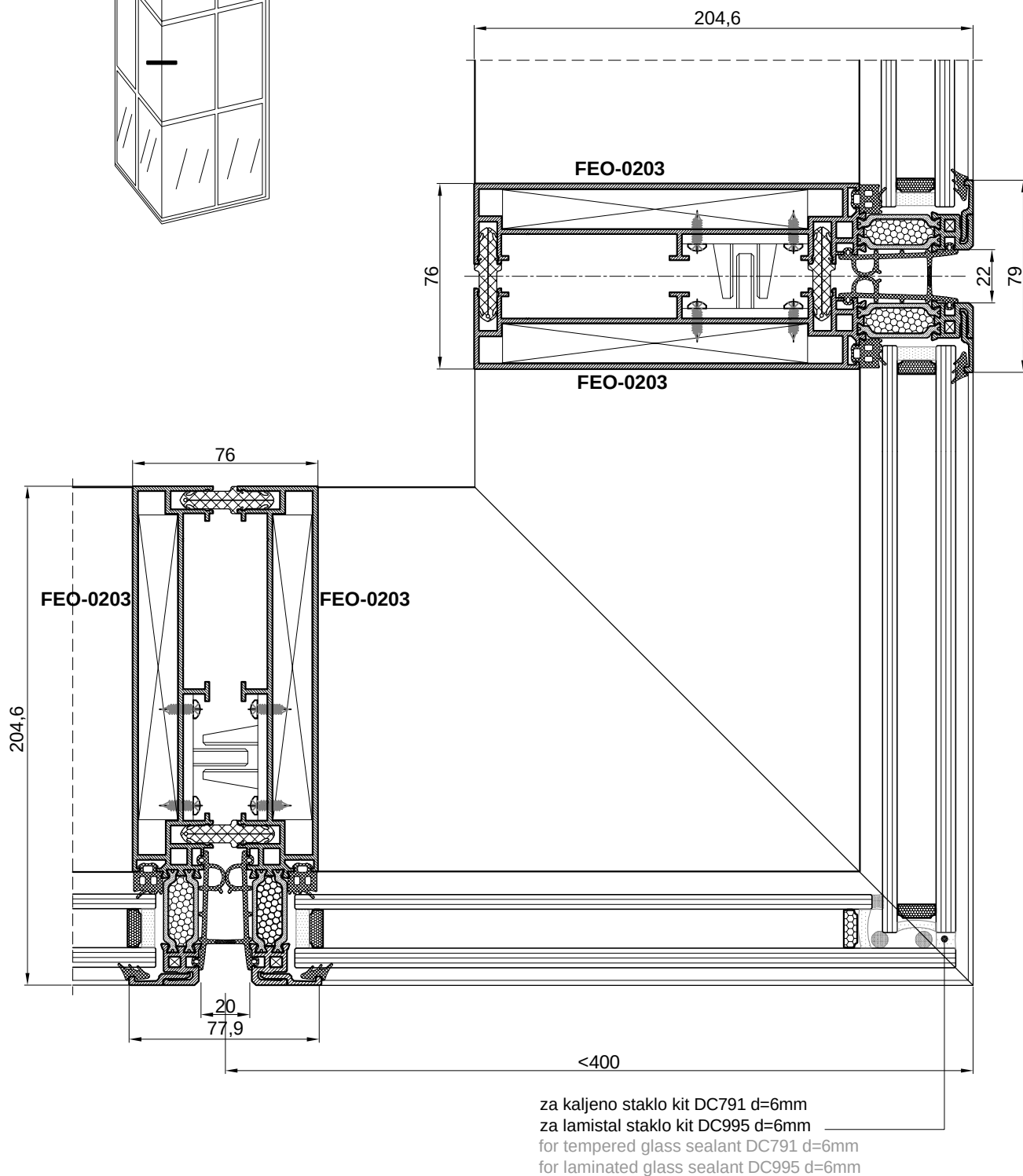
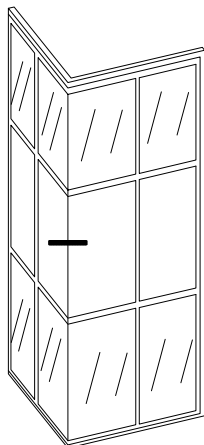
Nosač elementa- Presjek 24-24
Unit anchor - Cross section 24-24

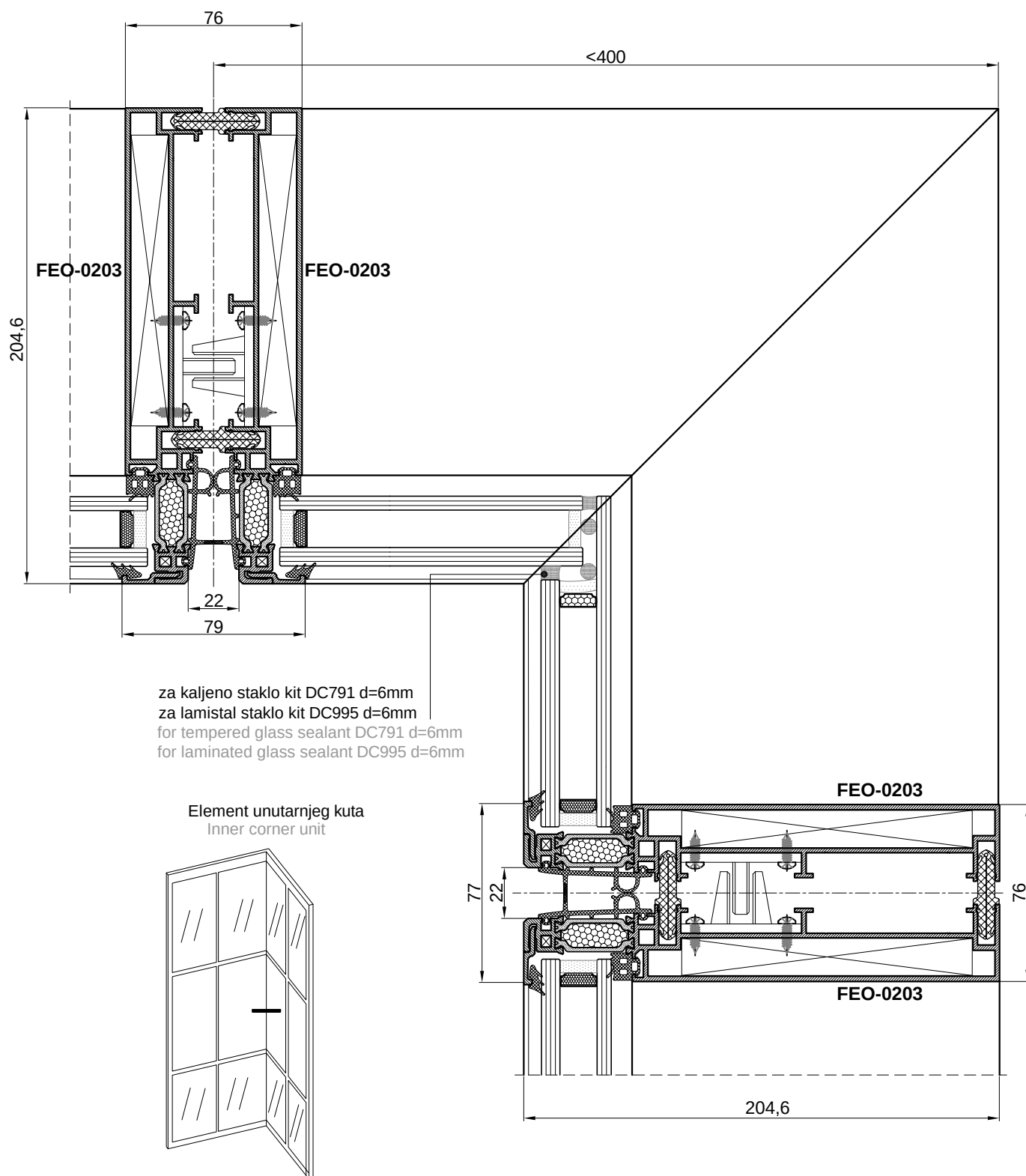


Nosač elementa- Presjek 24'-24'
Unit anchor - Cross section 24'-24'



Element vanjskog kuta
Outer corner unit



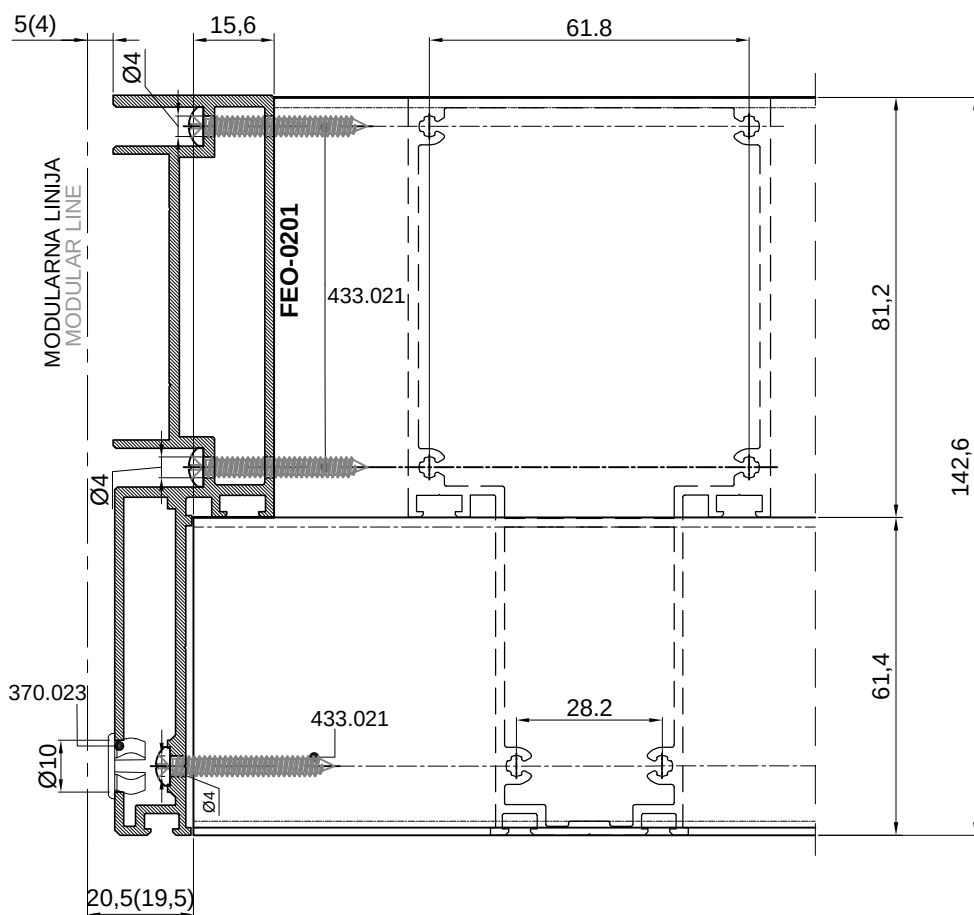
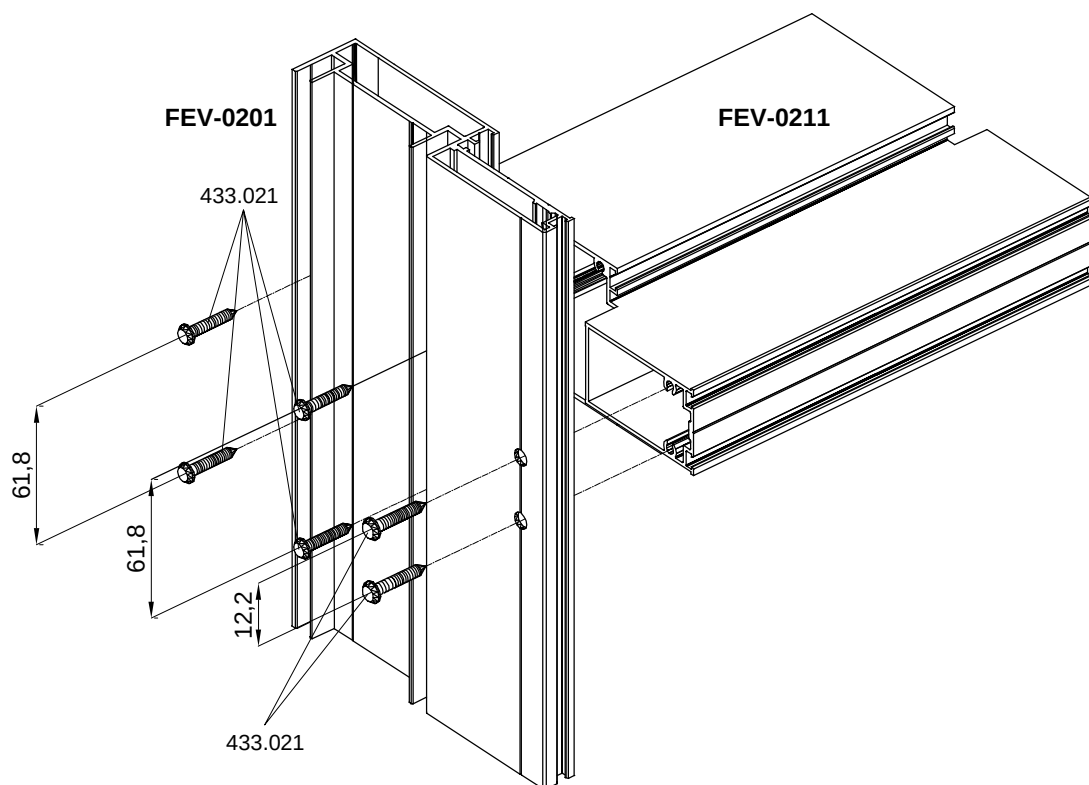


Obrada i montaža

Processing and montage

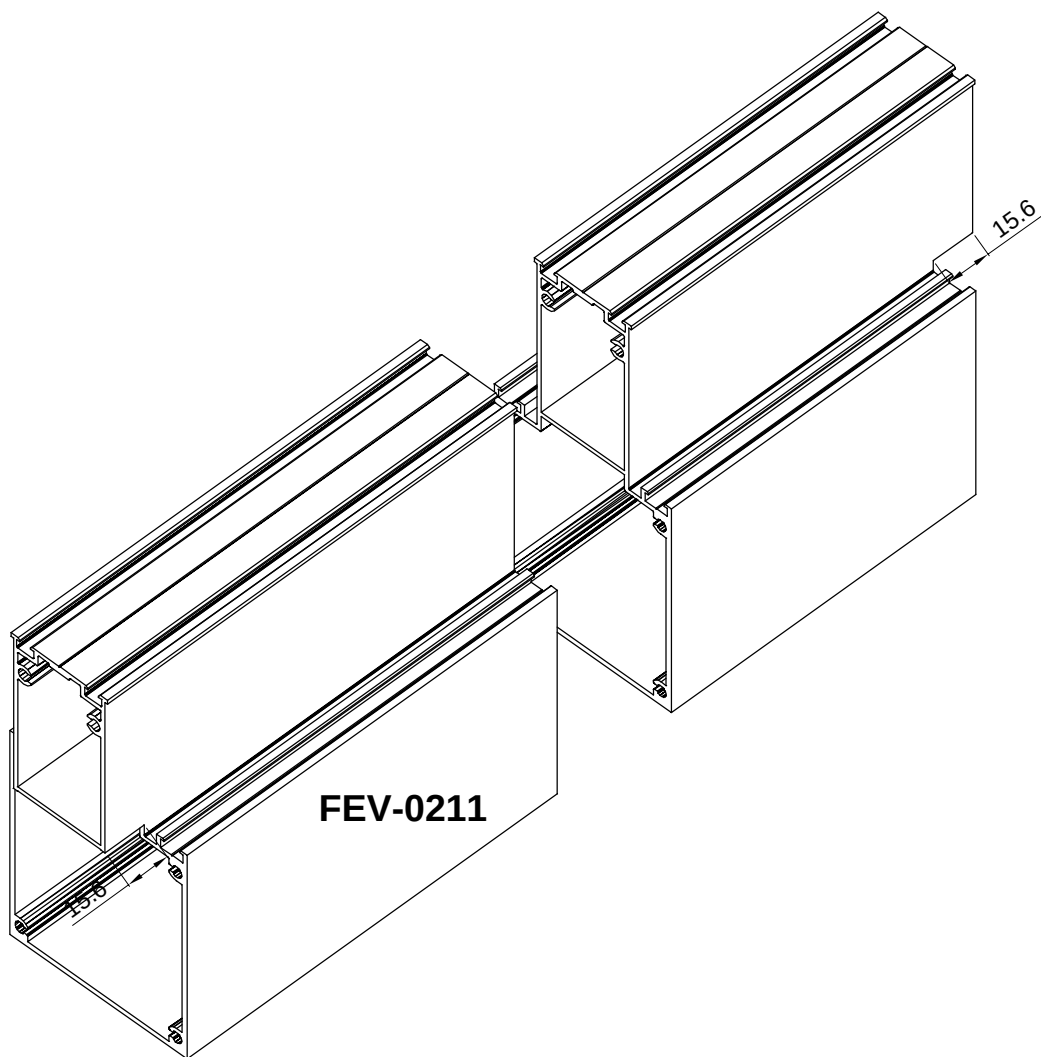
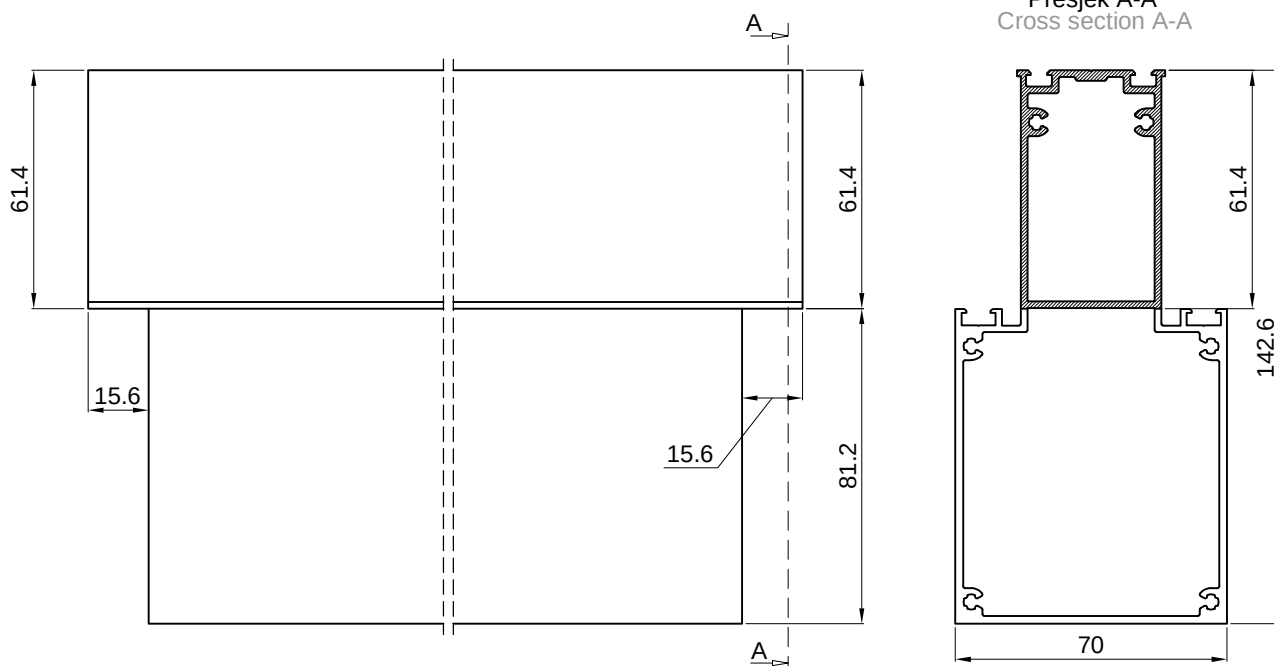
Obrada rama **FEO-0201** za prečku **FEV-0211**

Processing of frame **FEO-0201** for crossbar **FEV-0211**



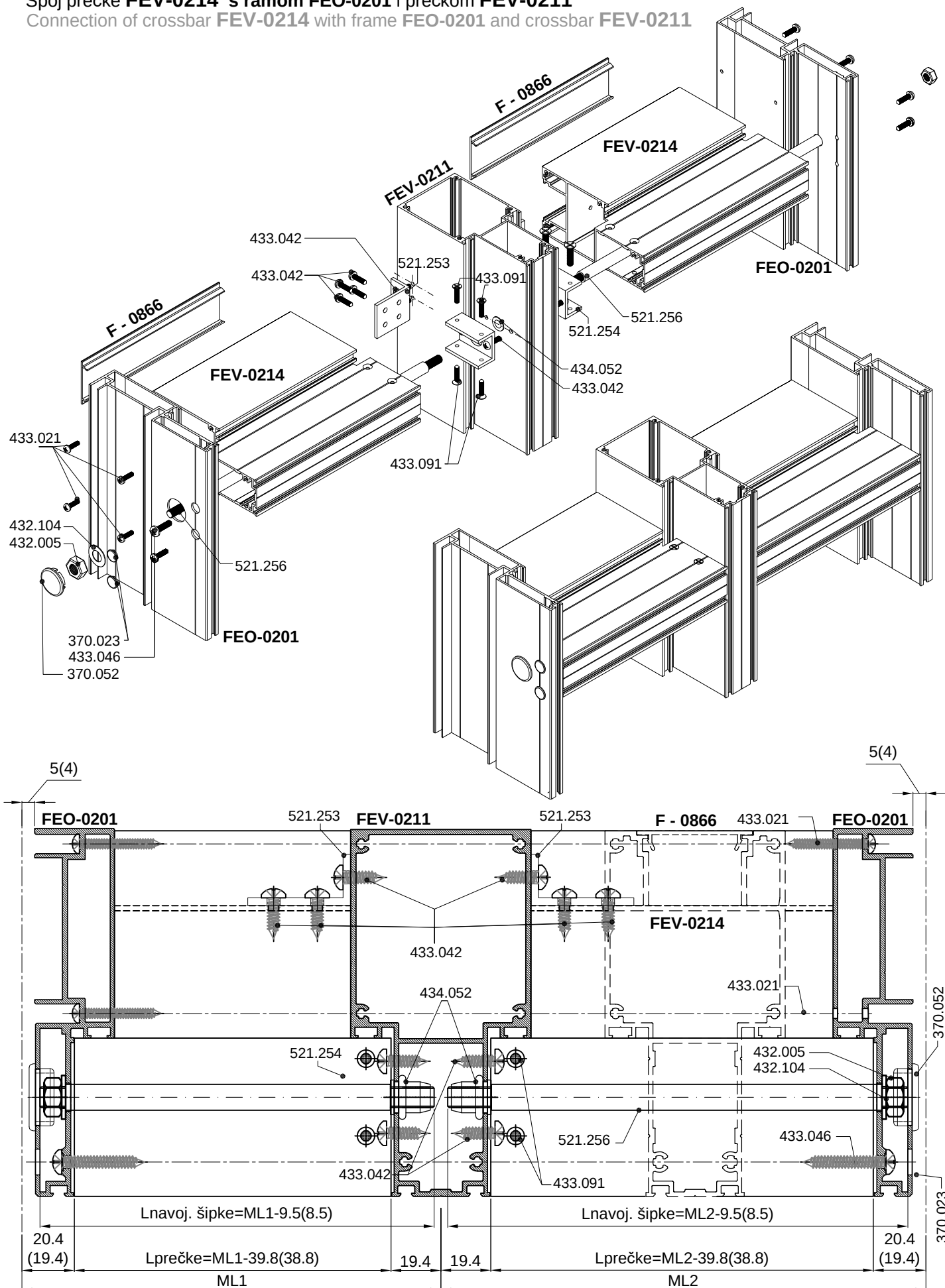
Obrada prečke **FEV-0211** za ram **FEO-0201**

Processing of crossbar **FEV-0211** for frame **FEO-0201**

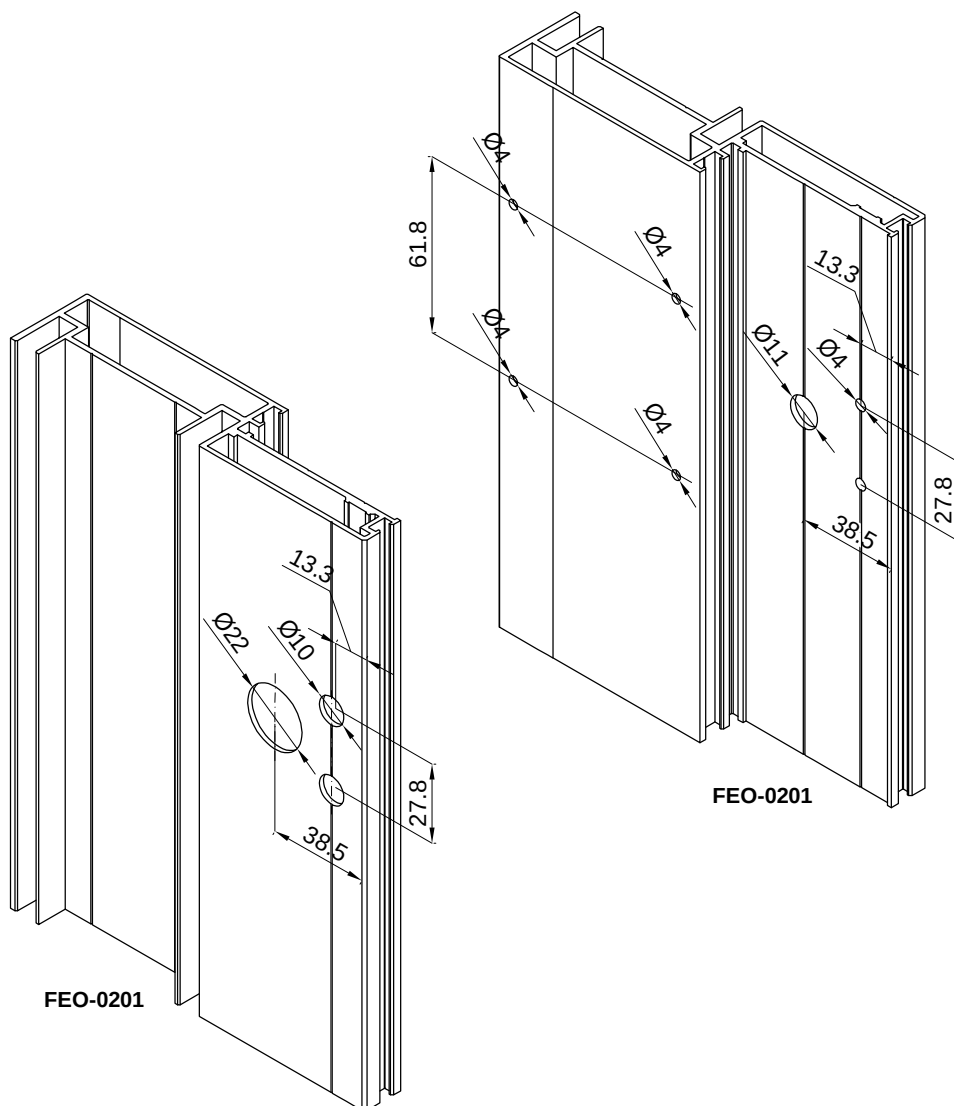
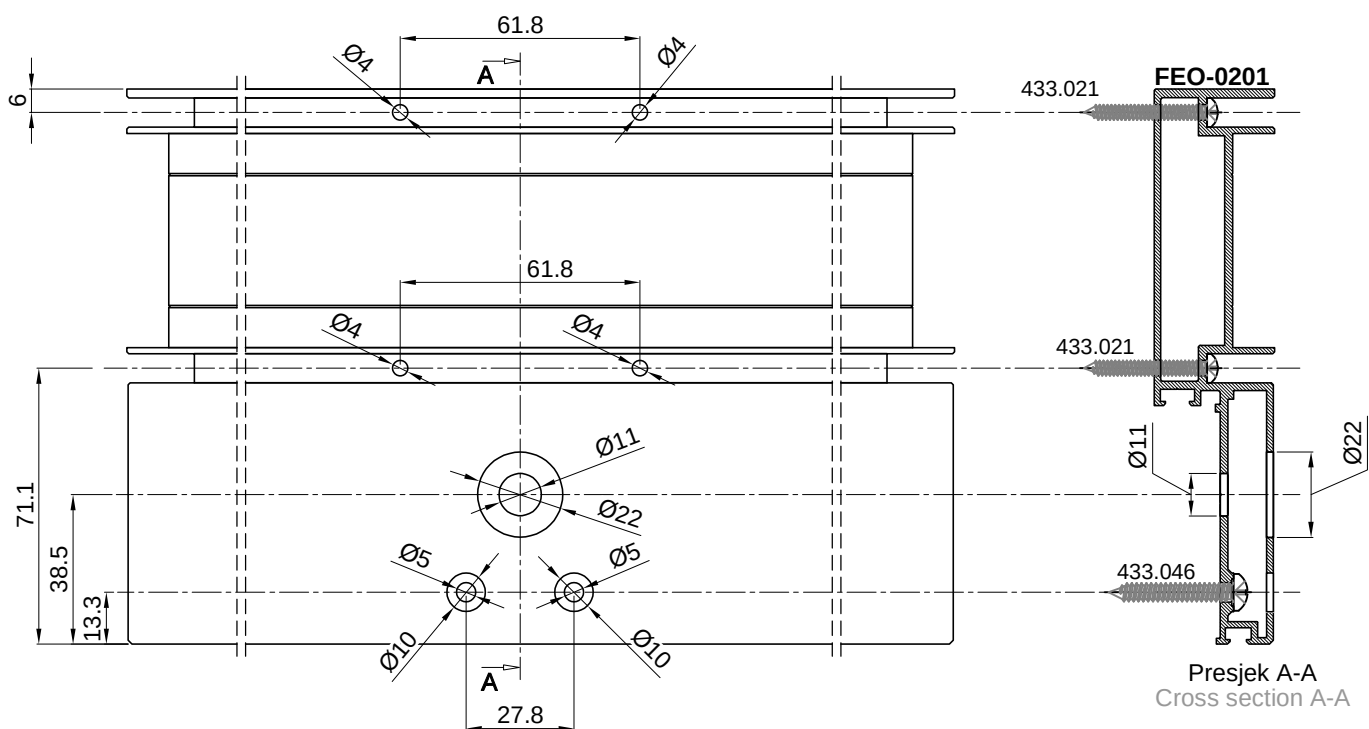


Spoj prečke FEV-0214 s ramom FEO-0201 i prečkom FEV-0211

Connection of crossbar FEV-0214 with frame FEO-0201 and crossbar FEV-0211

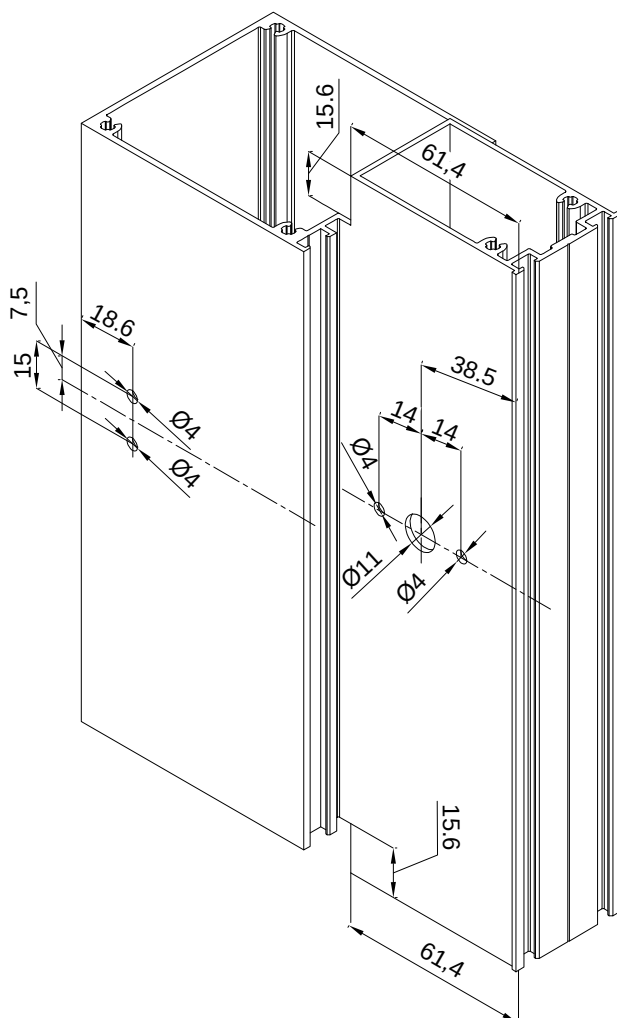
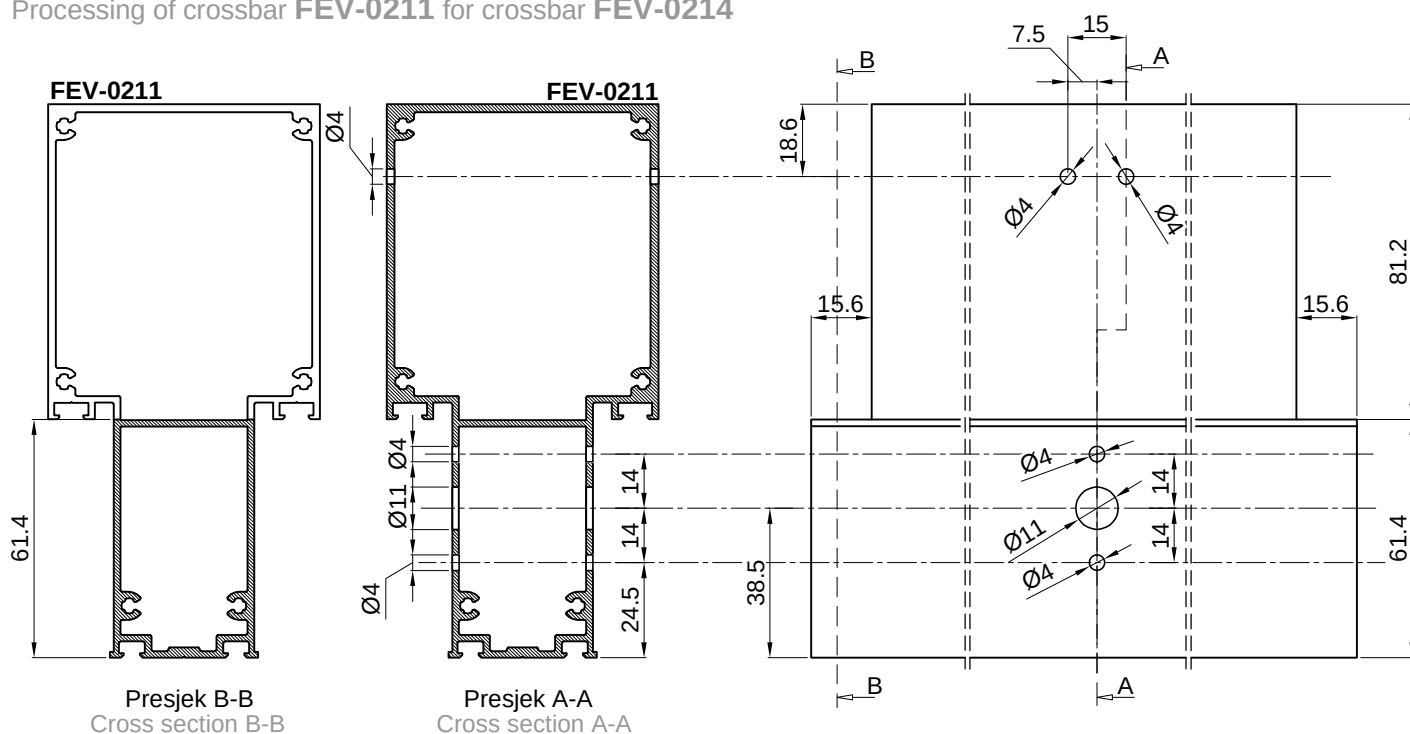


Obrada rama **FEO-0201** za prečku **FEV-0214**

Processing of frame **FEV-0201** for crossbar **FEV-0214**

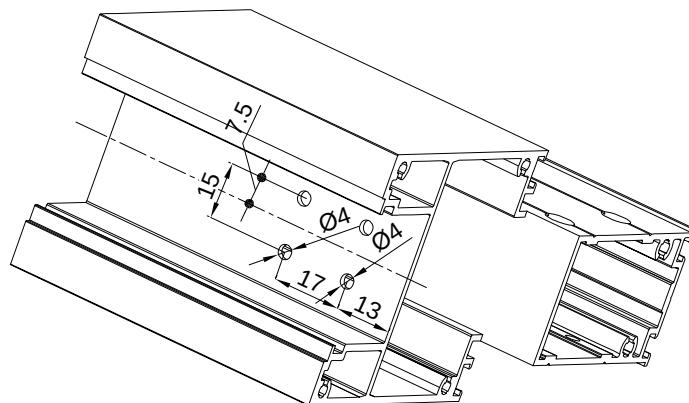
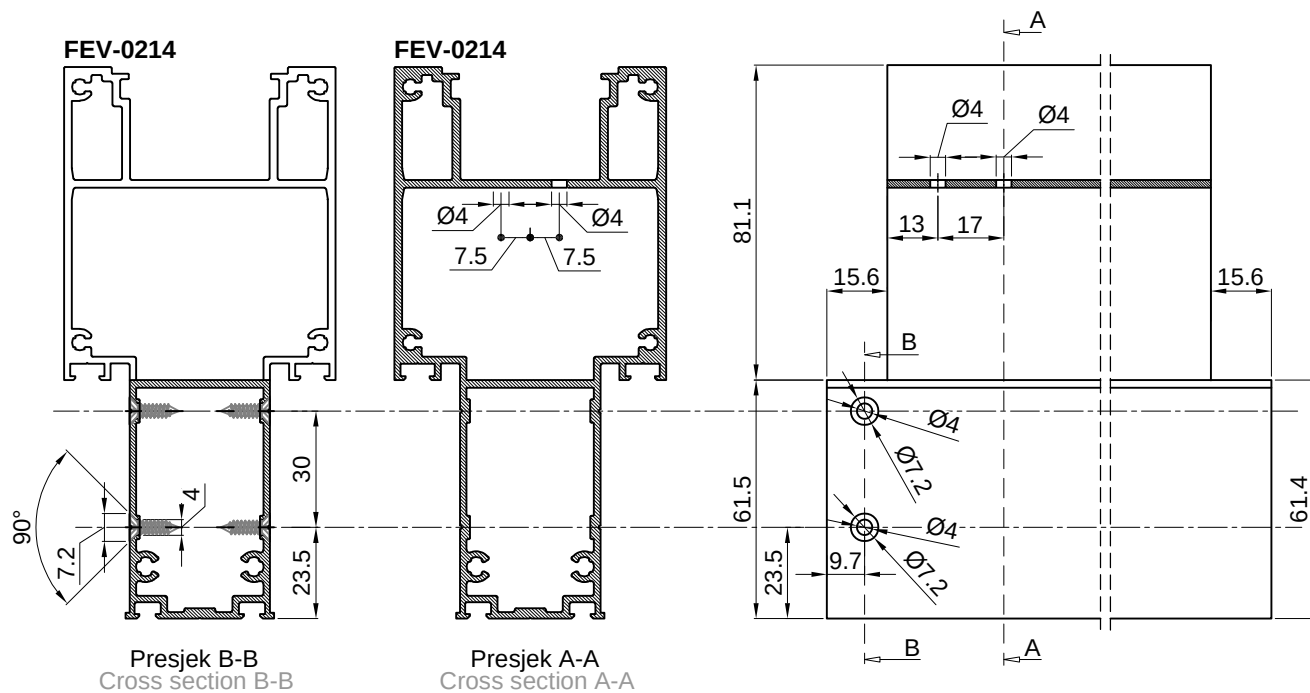
Obrada prečke **FEV-0211** za prečku **FEV-0214**

Processing of crossbar **FEV-0211** for crossbar **FEV-0214**



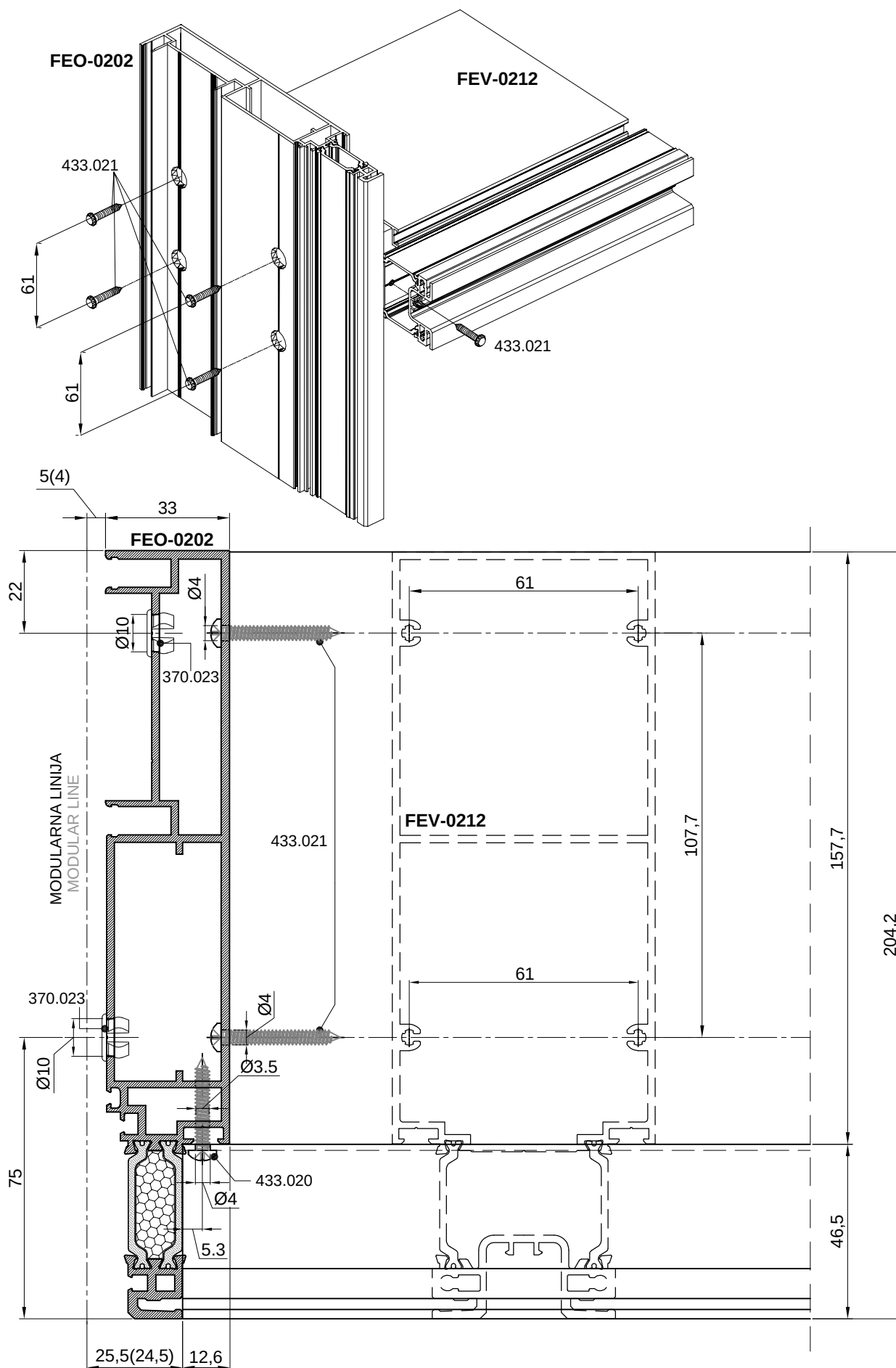
Obrada prečke **FEV-0214** za ram **FEO-0201** prečku **FEV-0211**

Processing of crossbar **FEV-0214** for frame **FEO-0201** crossbar **FEV-0211**

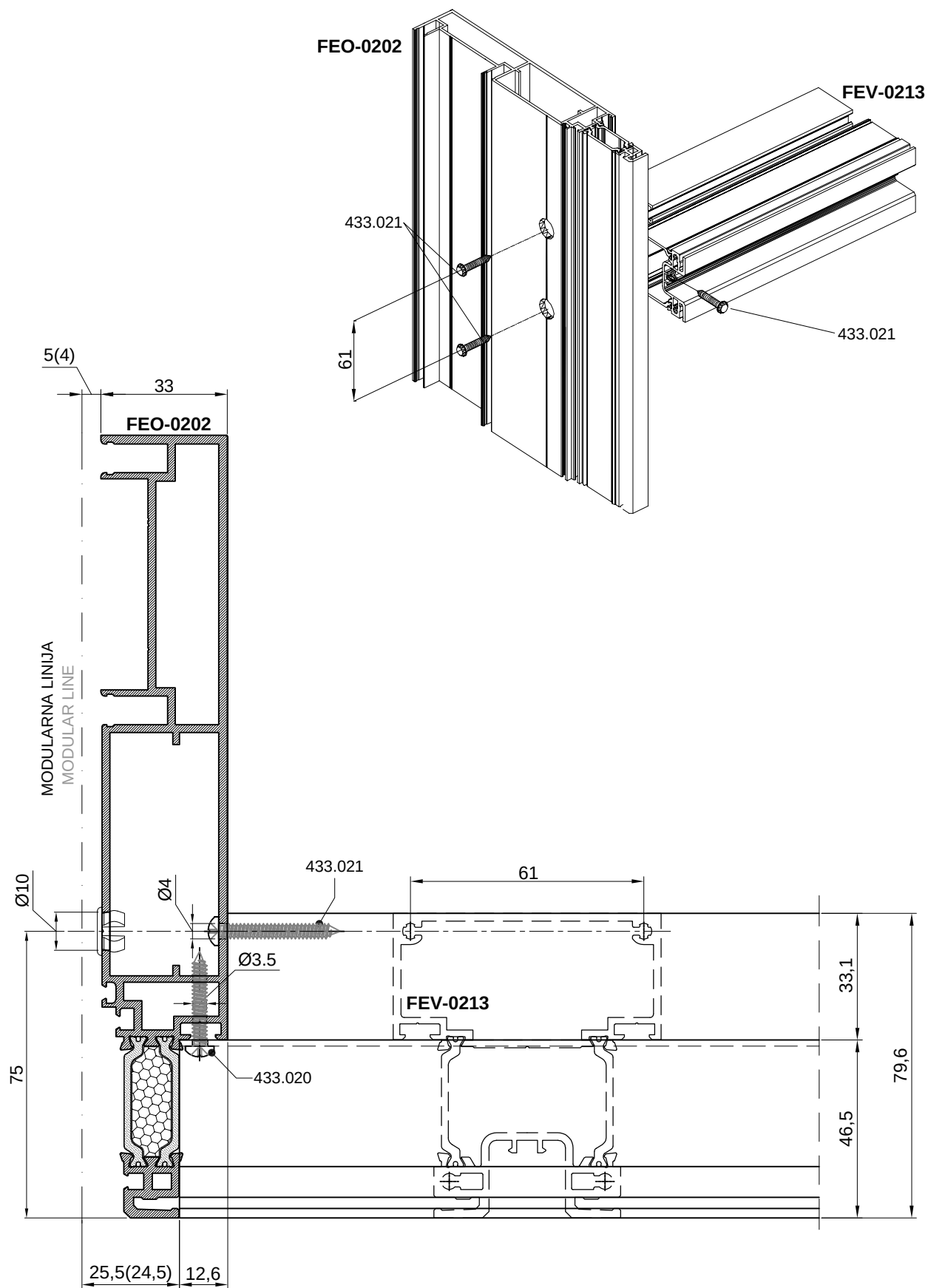


Obrada rama FEO-0202 za prečku FEV-0212

Processing of frame FEO-0202 for crossbar FEV-0212

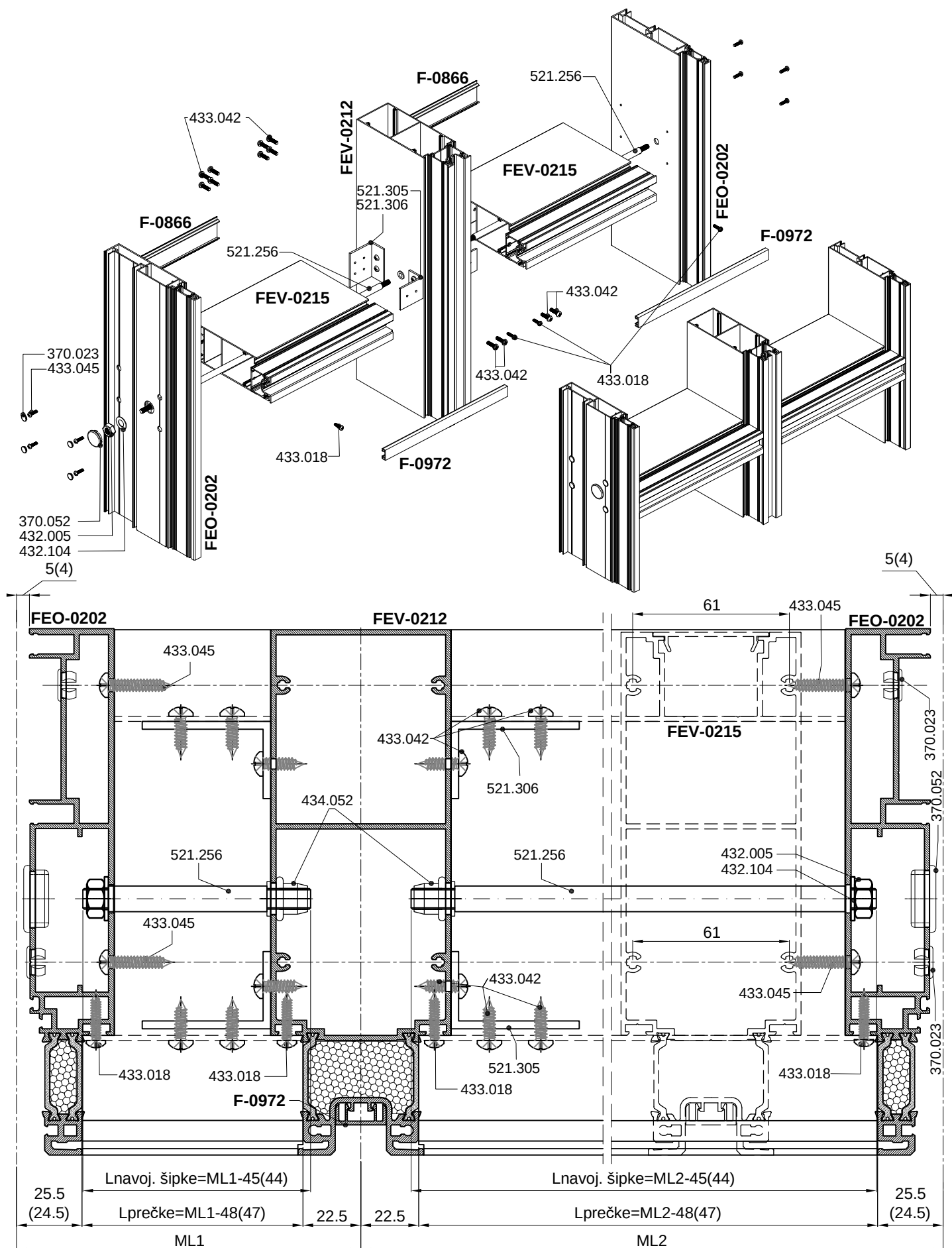


Obrada rama **FEO-0202** za prečku **FEV-0213**
Processing of frame **FEO-0202** for crossbar **FEV-0213**



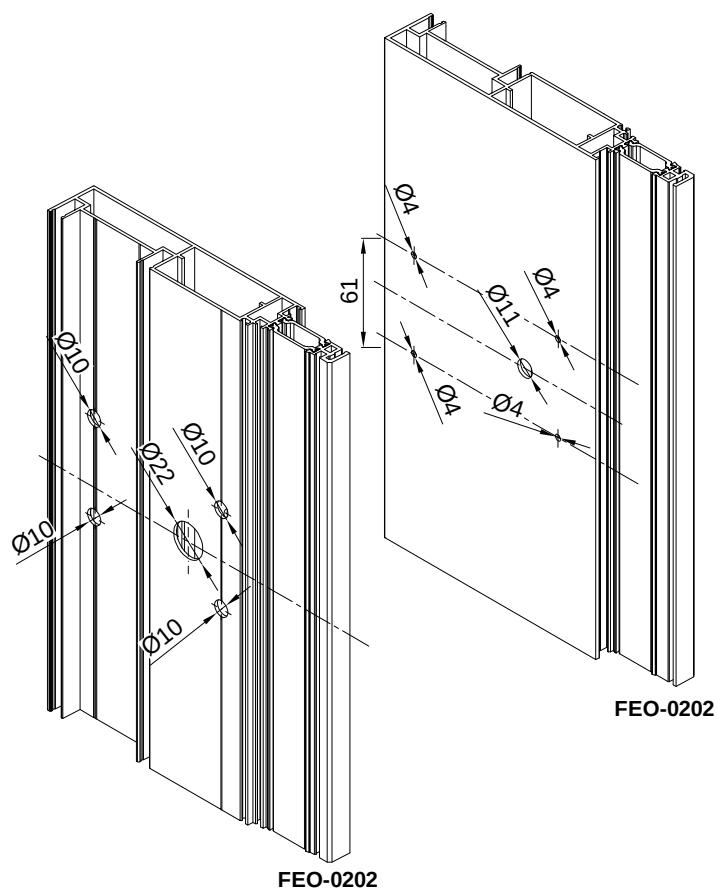
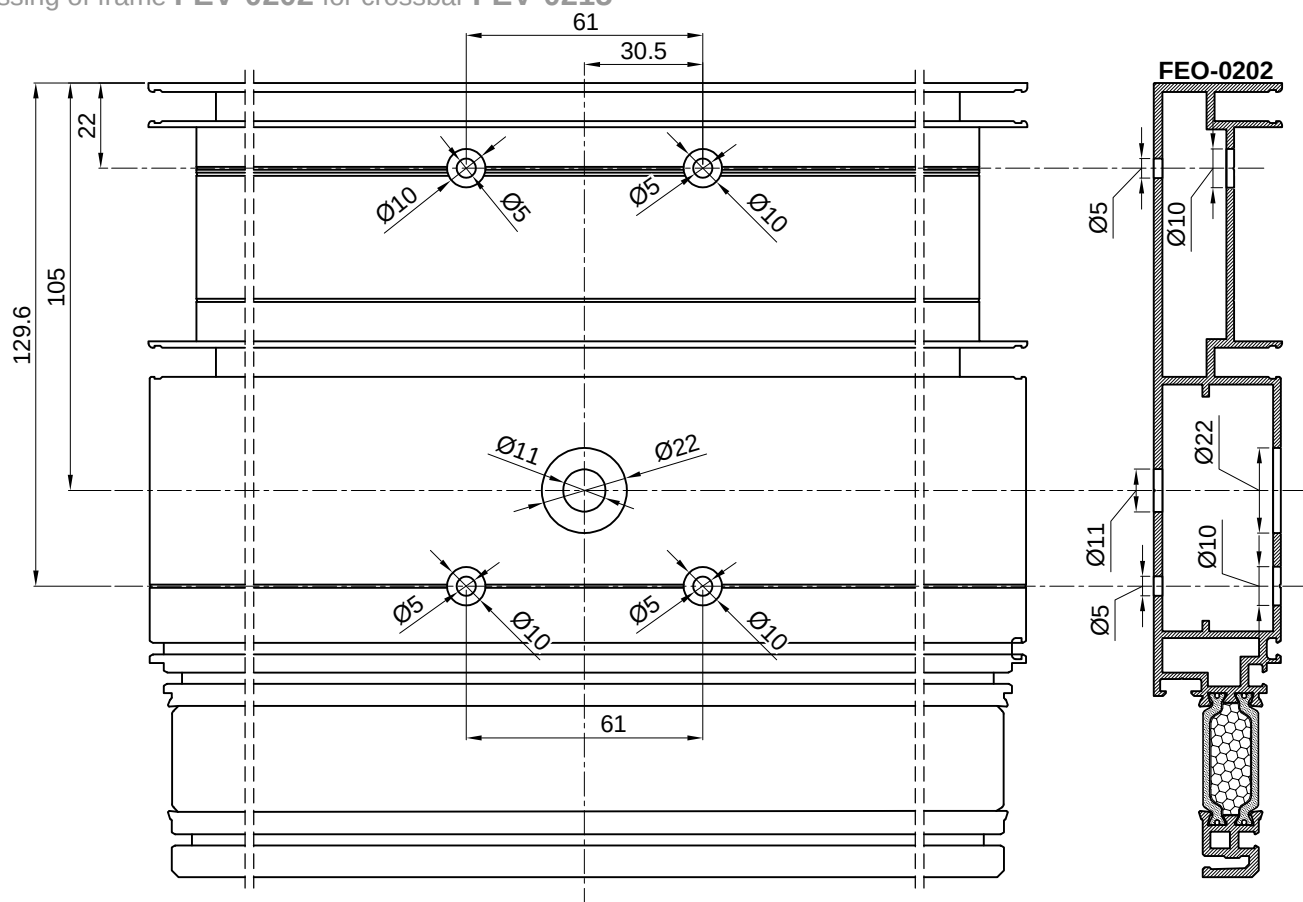
Spoj prečke FEV-0215 s ramom FEO-0202 i prečkom FEV-0212

Connection of crossbar FEV-0215 with frame FEO-0202 and crossbar FEV-0212

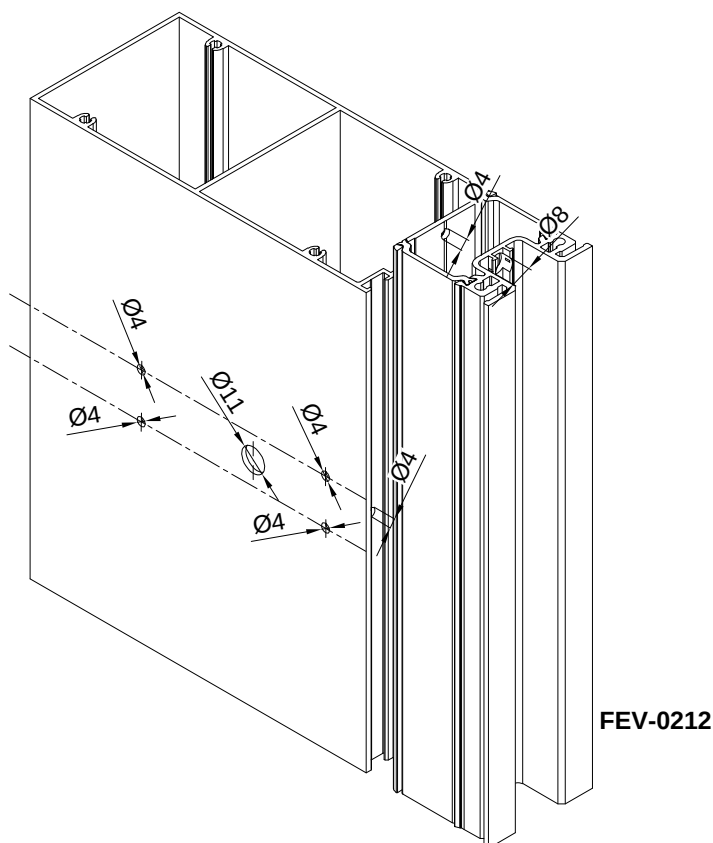
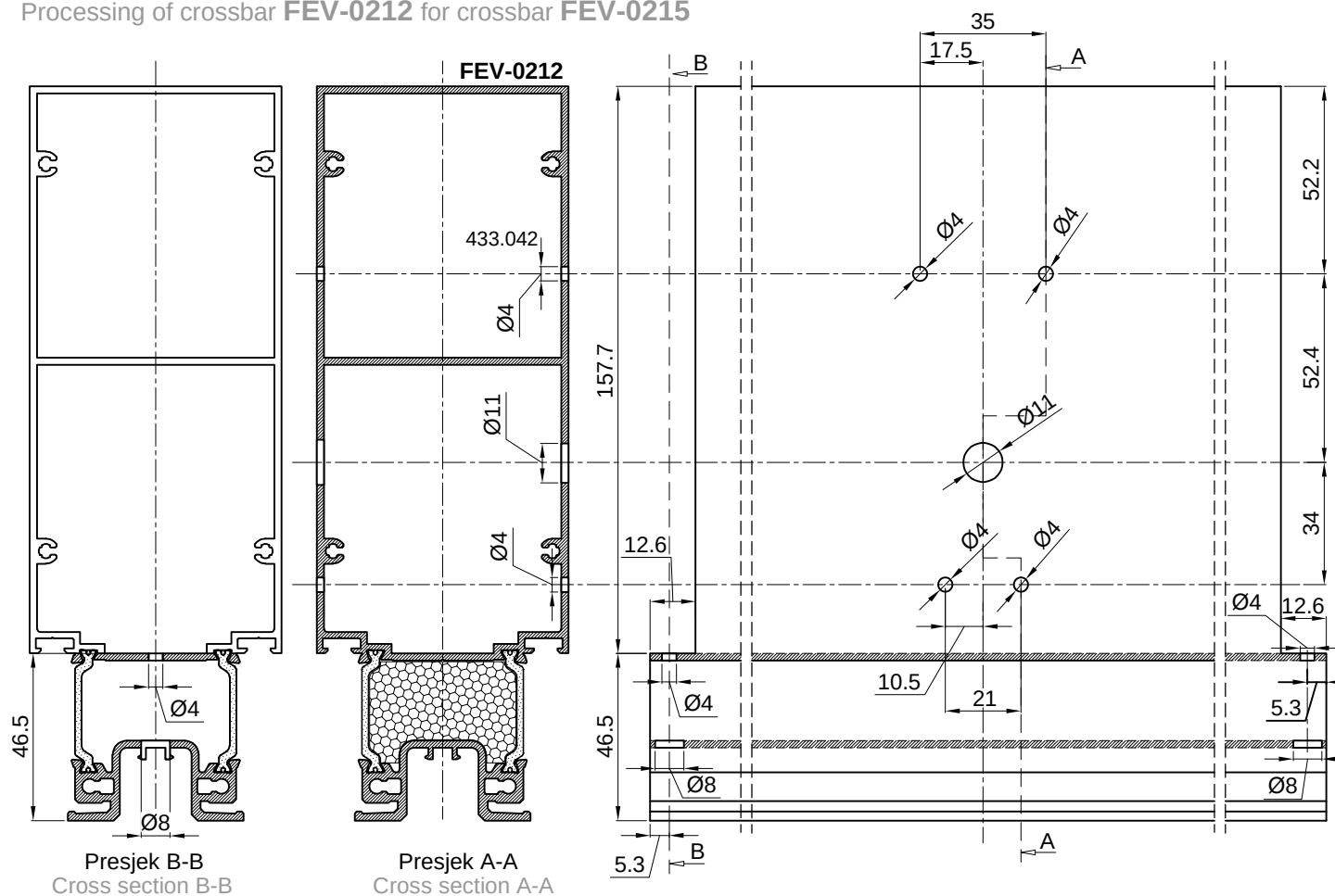


Obrada rama **FEO-0202** za prečku **FEV-0215**

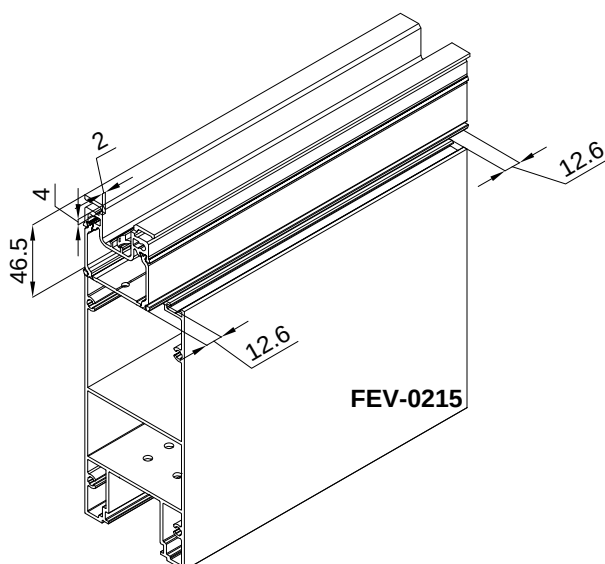
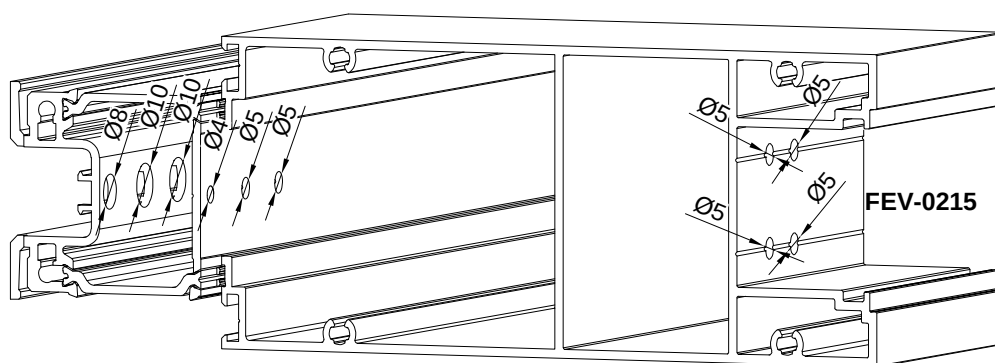
Processing of frame **FEO-0202** for crossbar **FEV-0215**



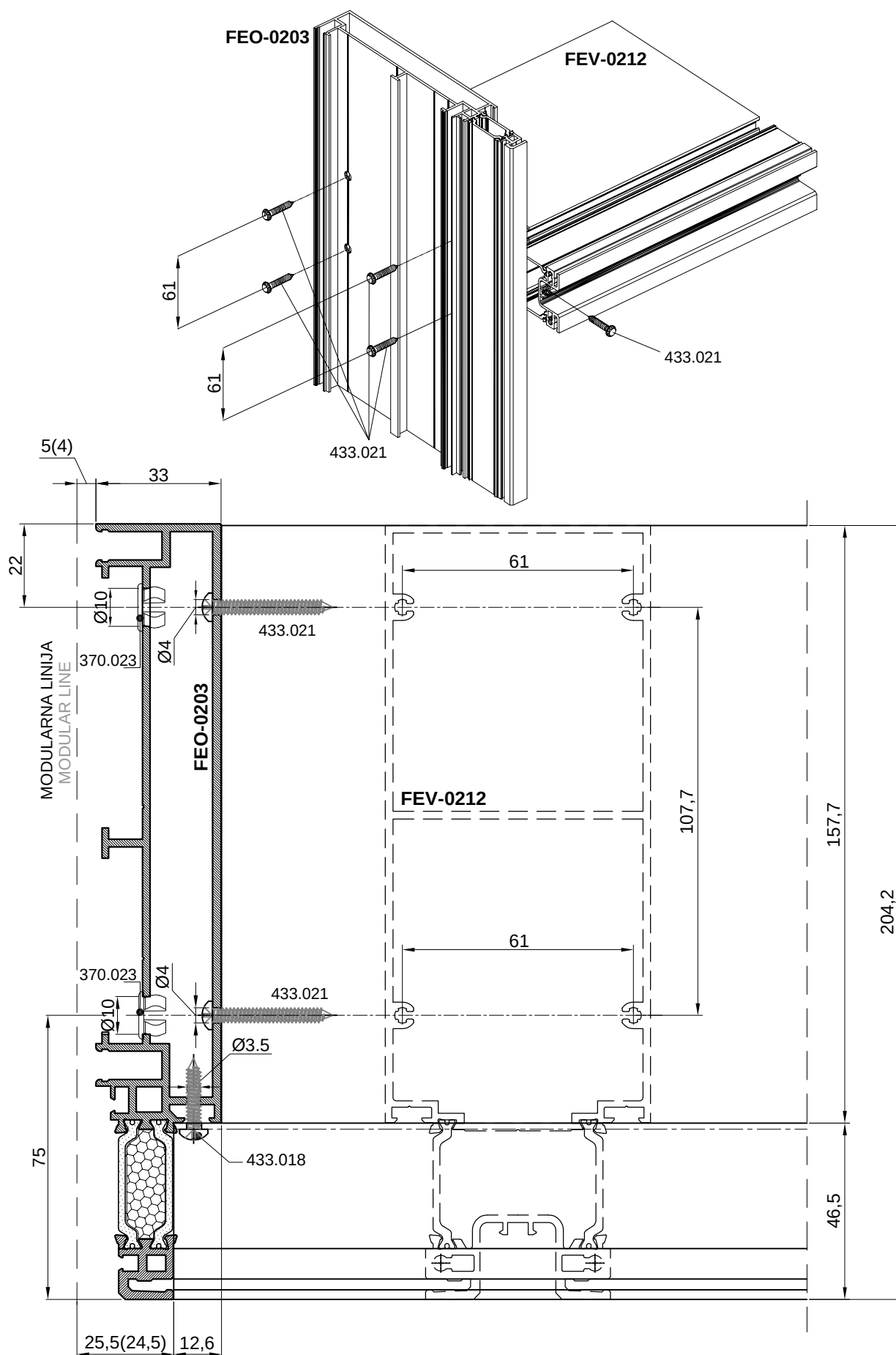
Processing of crossbar FEV-0212 for crossbar FEV-0215

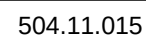


Processing of crossbar **FEV-0215** for frame **FEO-0202/FEO-0203** and crossbar **FEV-0212**

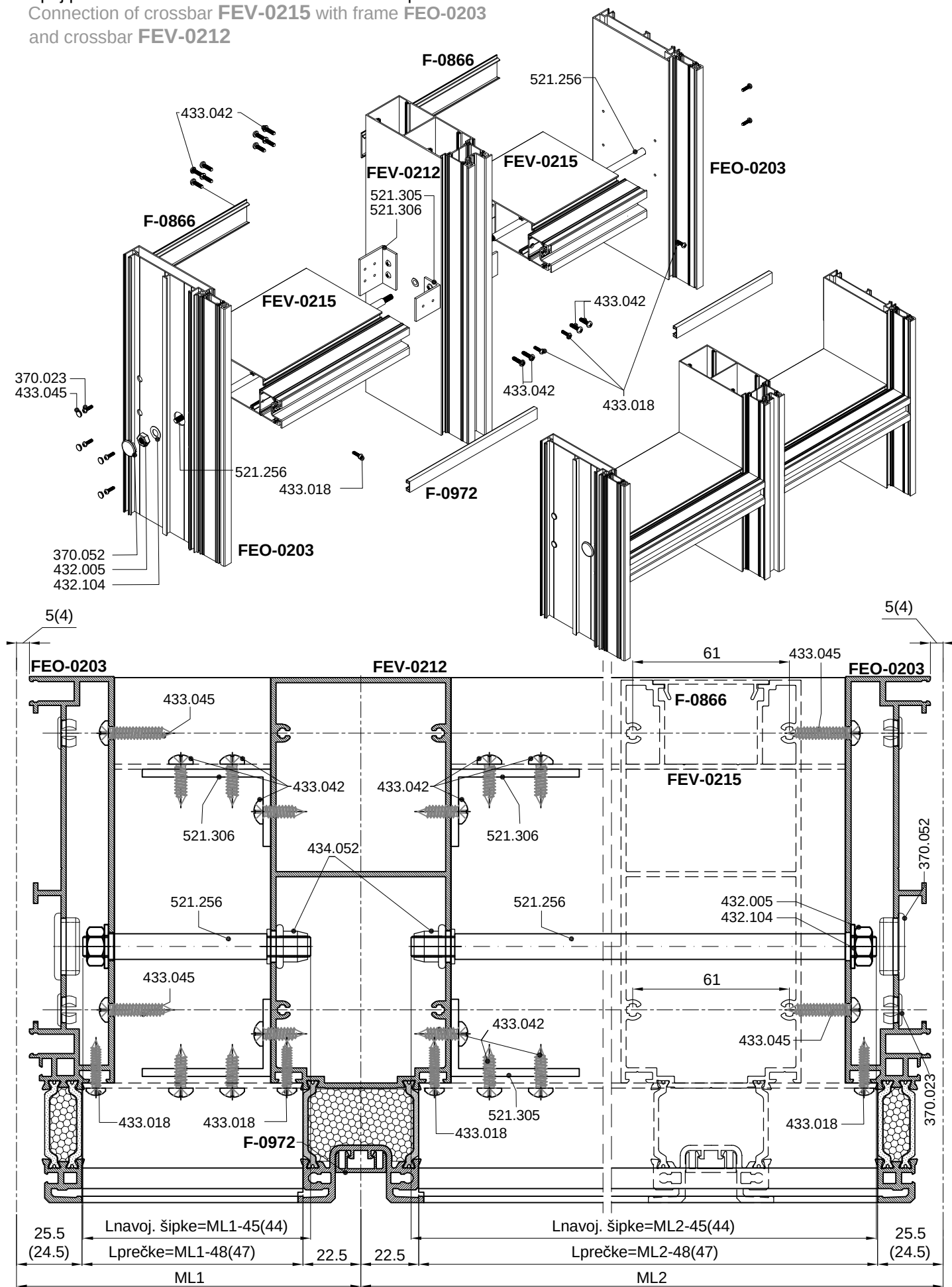


Obrada rama **FEO-0203** for prečku **FEV-0212**
Processing of frame **FEO-0203** for crossbar **FEV-0212**



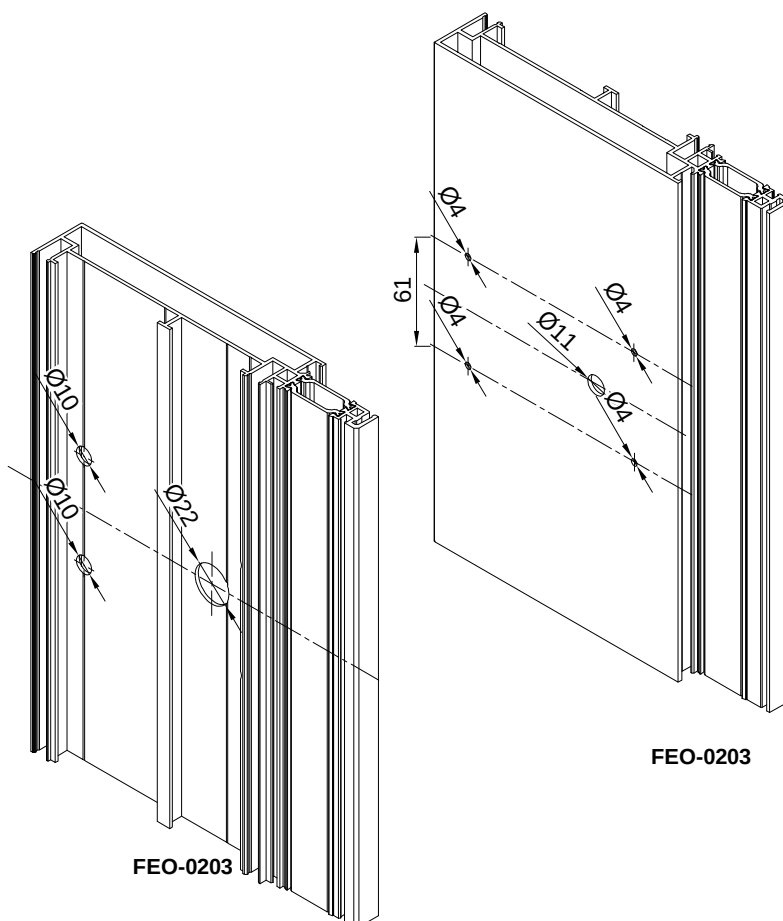
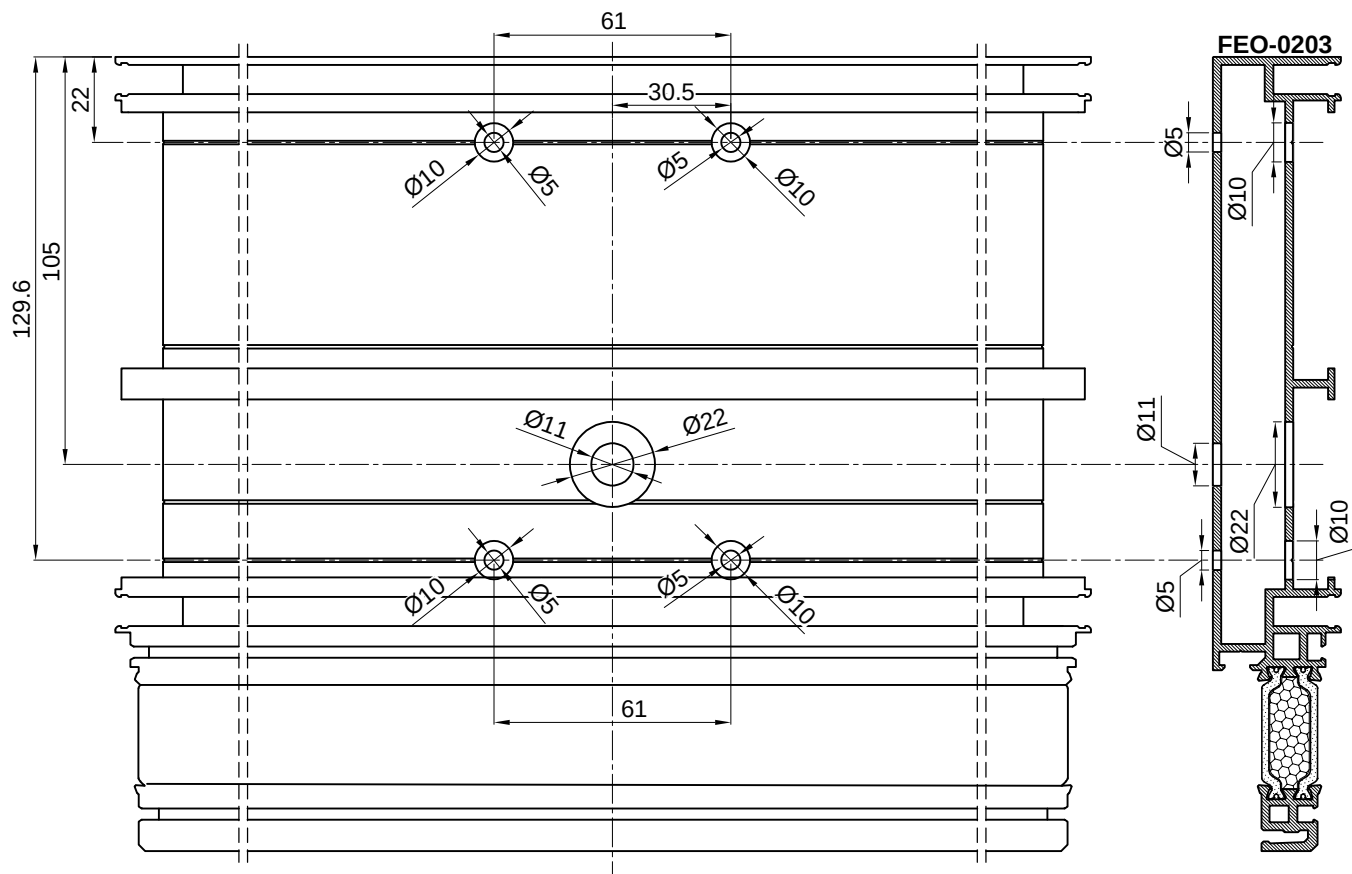
Processing of frame **FEO-0203** for crossbar **FEV-0213**

Spoj prečke **FEV-0215** s ramom **FEO-0203** i prečkom **FEV-0212** Connection of crossbar **FEV-0215** with frame **FEO-0203** and crossbar **FEV-0212**



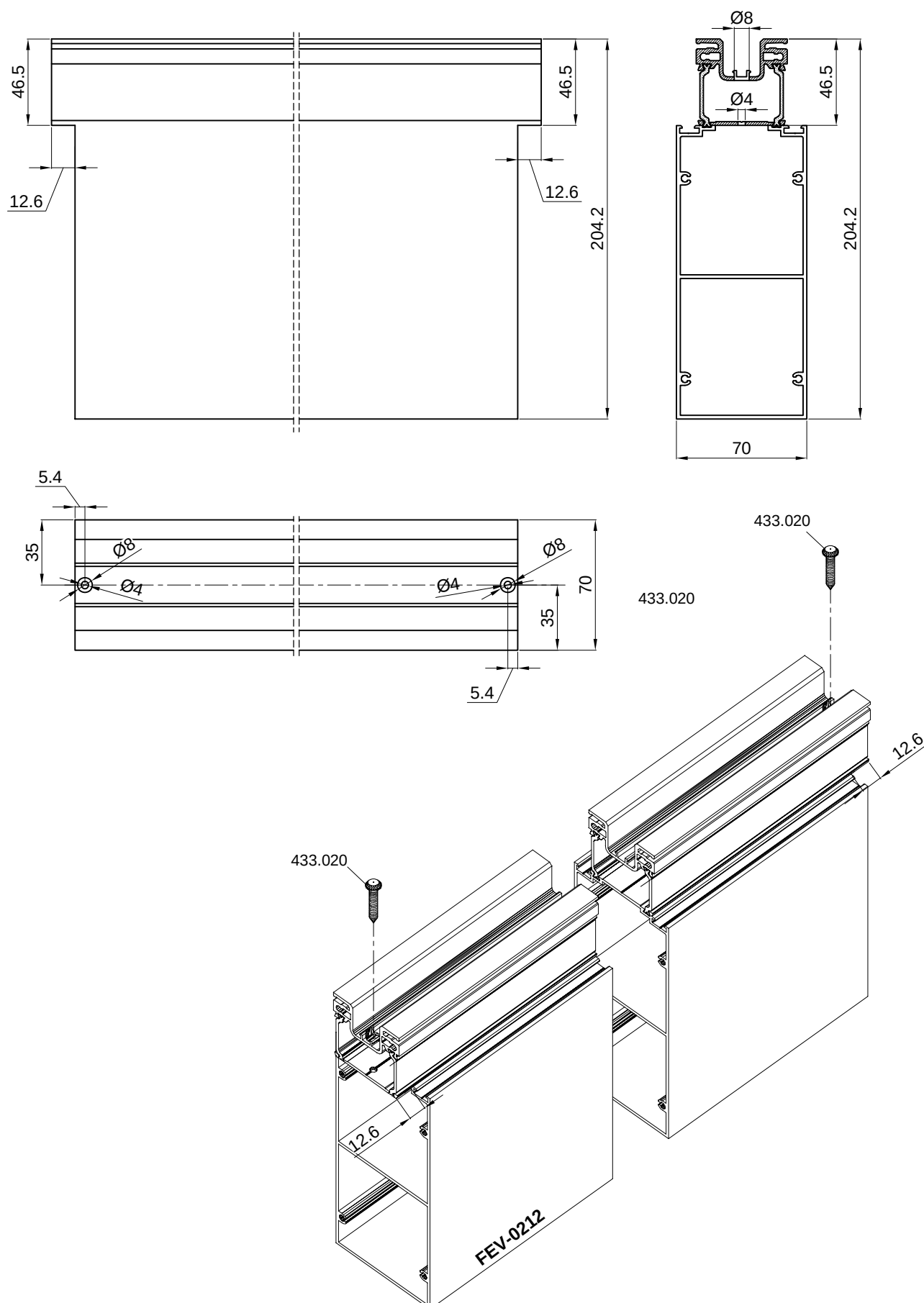
Obrada rama **FEO-0203** za prečku **FEV-0215**

Processing of frame **FEO-0203** for crossbar **FEV-0215**



Obrada prečke **FEV-0212** za ram **FEO-0202** i **FEO-203**

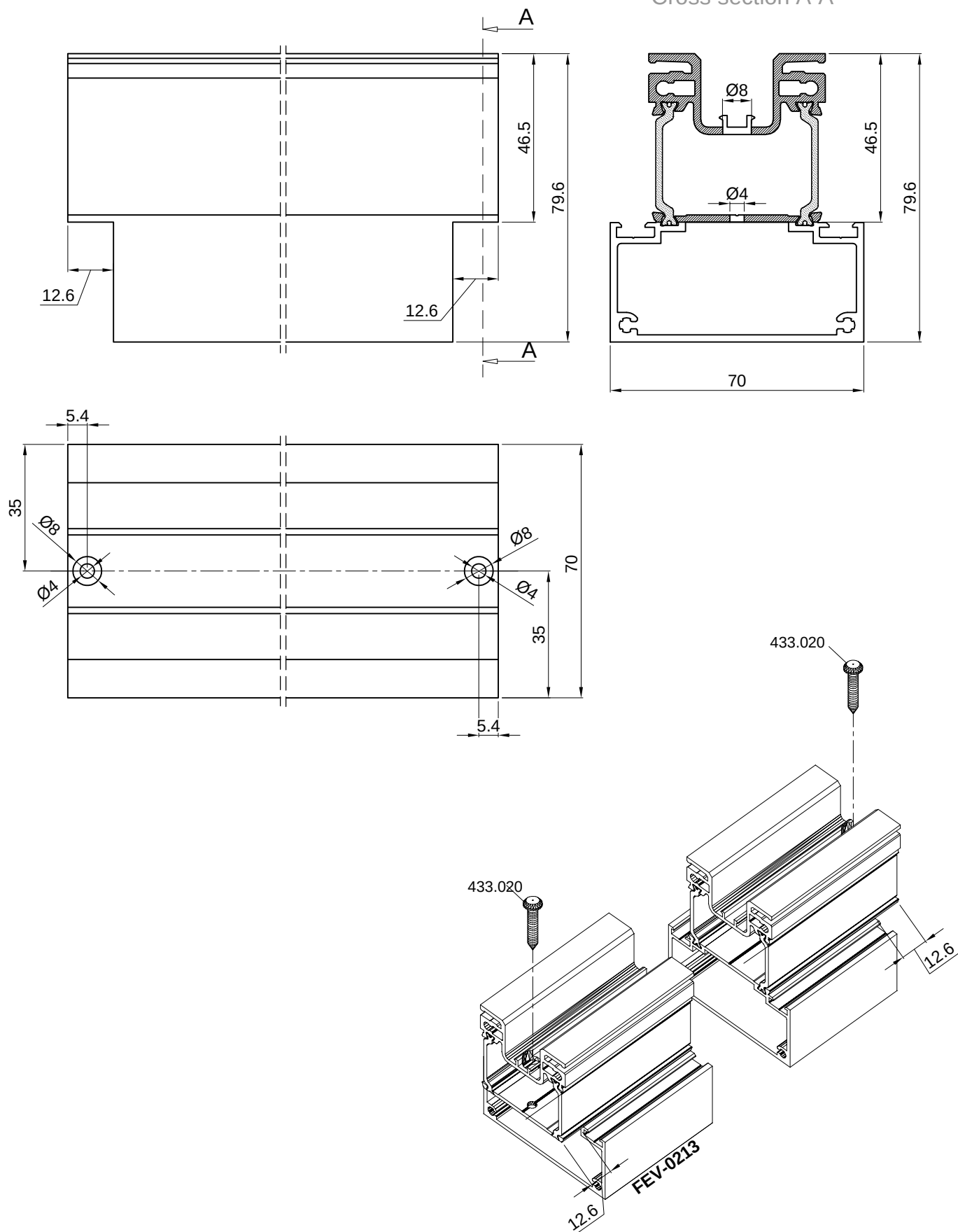
Processing crossbar **FEV-0212** for frames **FEO-0202** and **FEO-203**

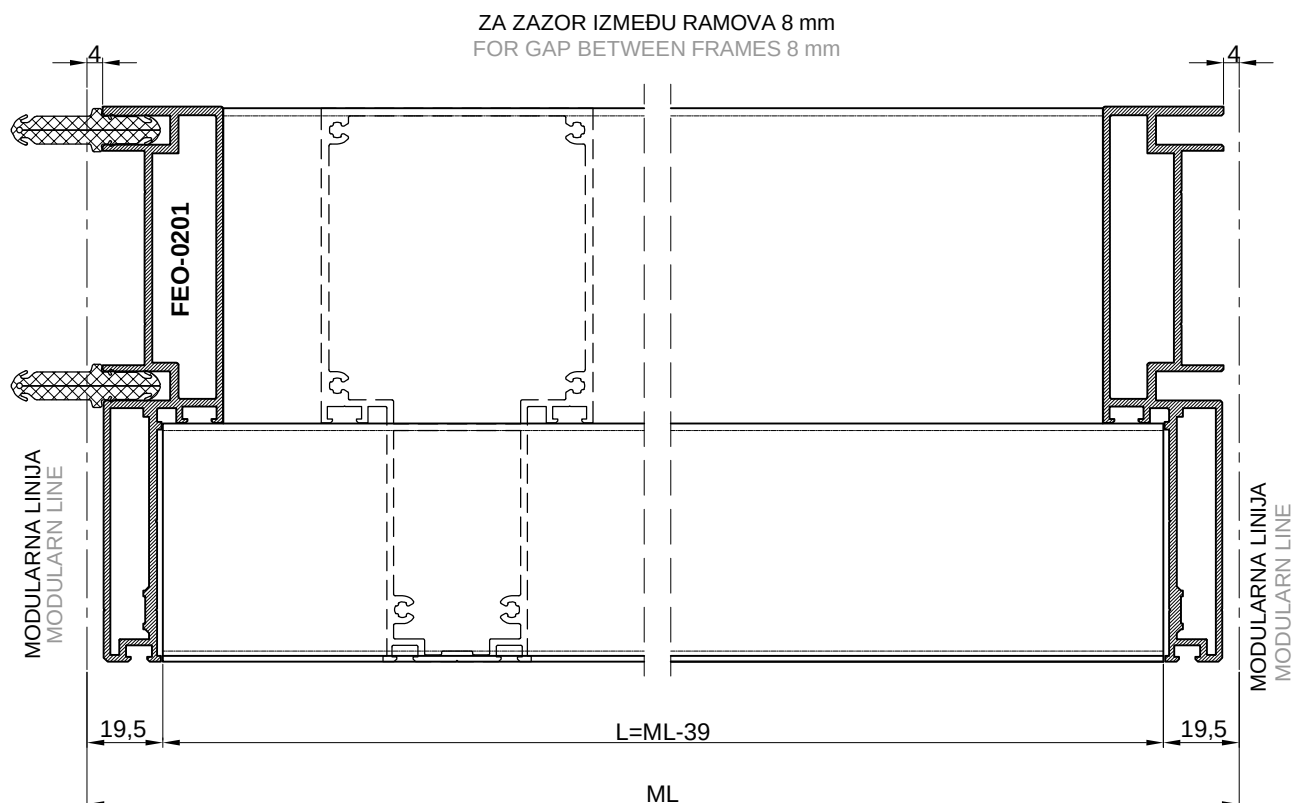
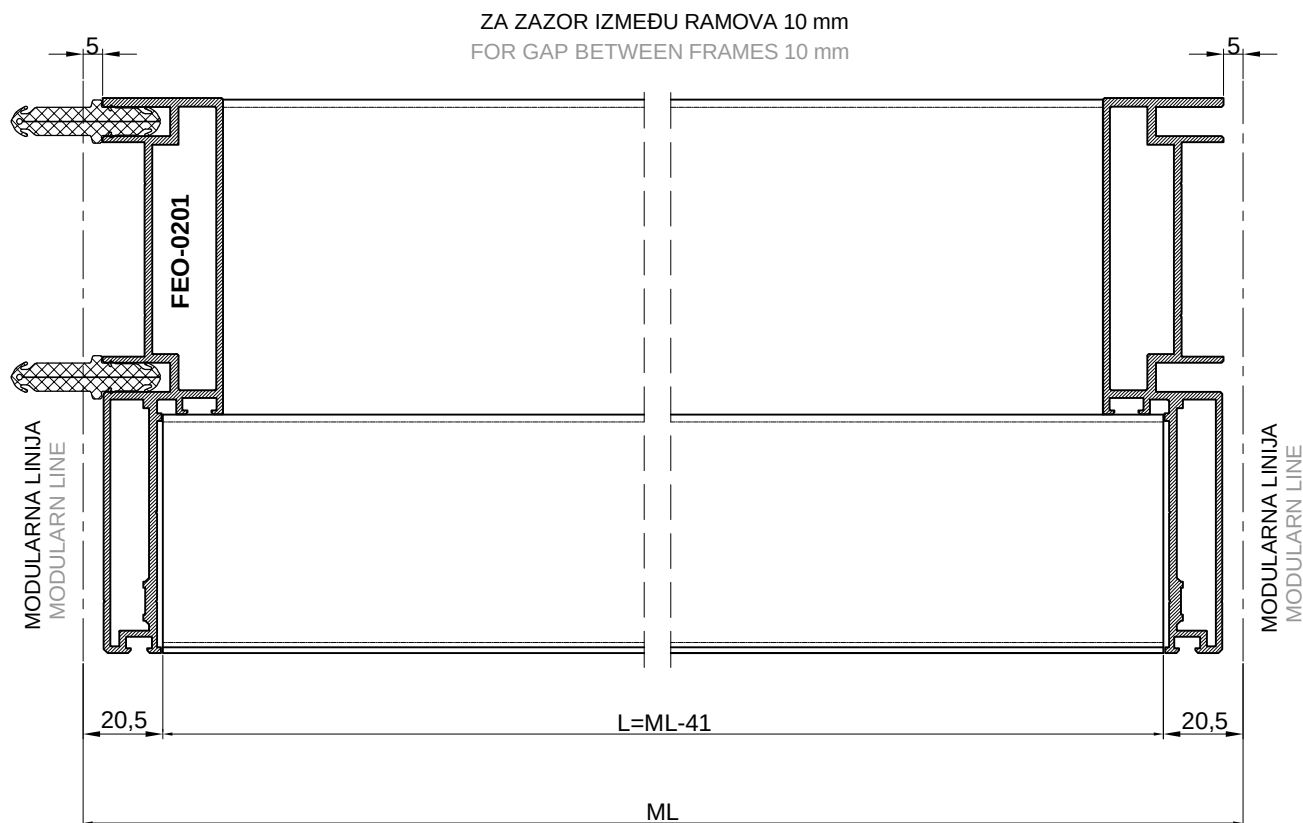


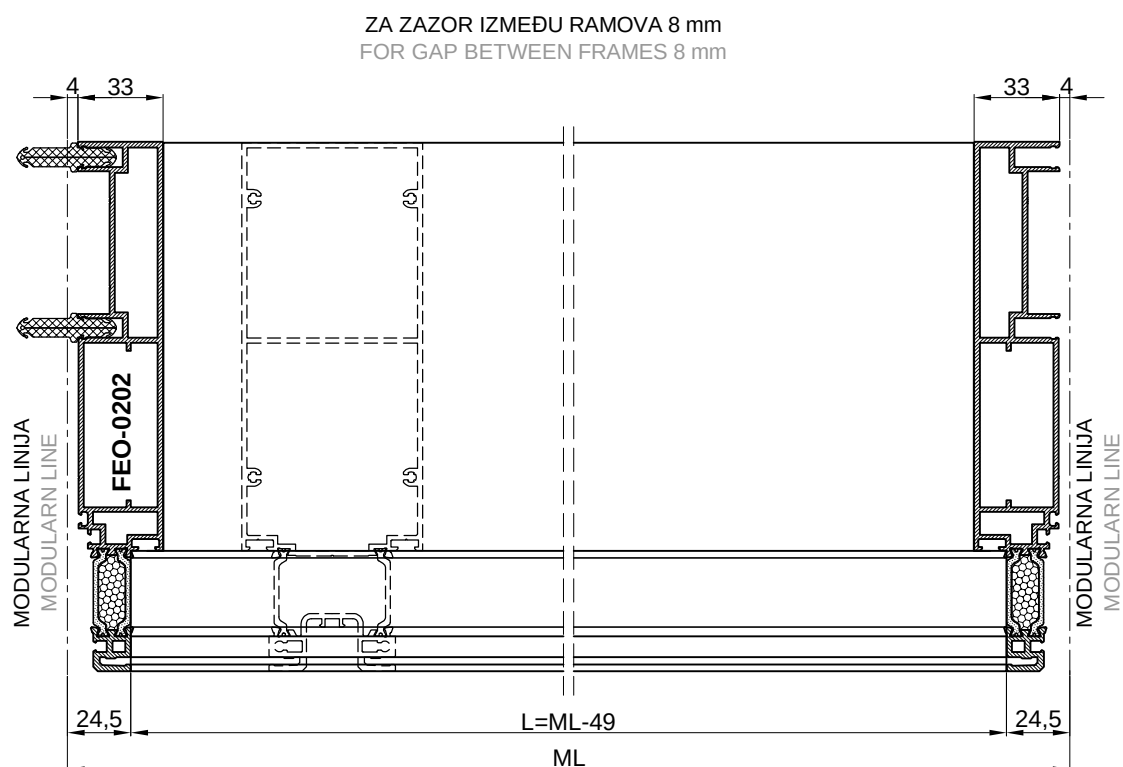
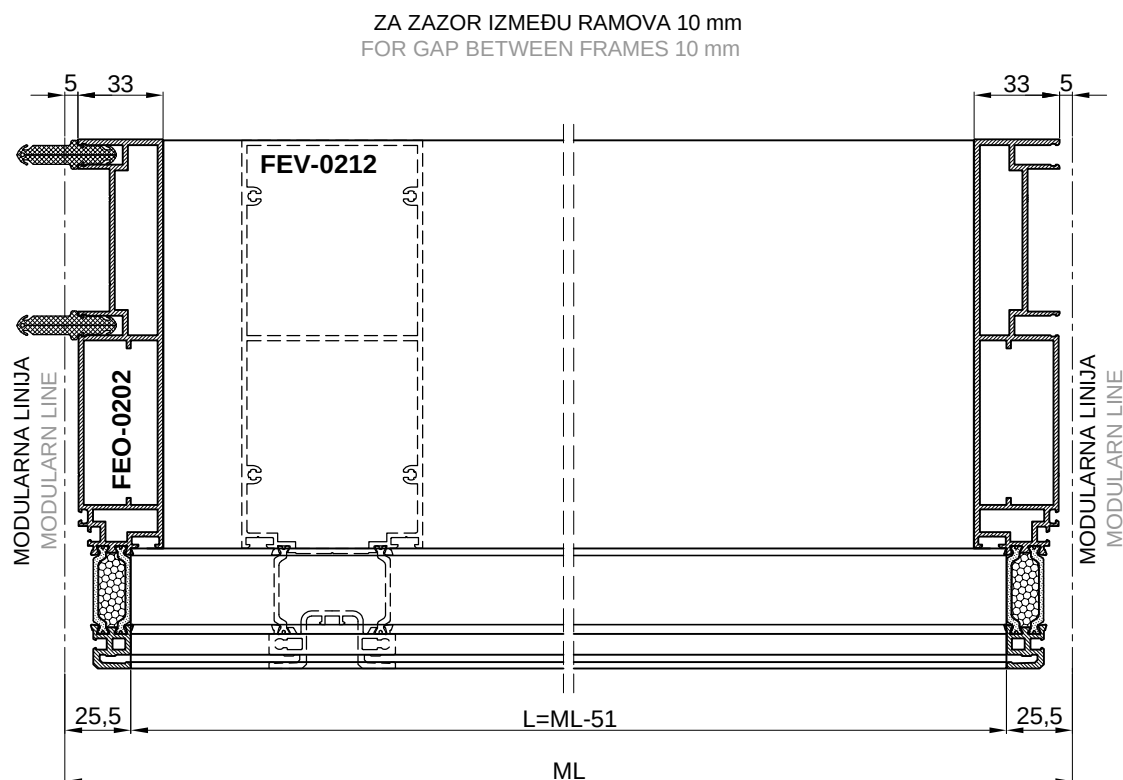
Obrada prečke **FEV-0213** za ram **FEO-0202** i **FEO-203**

Processing of crossbar **FEV-0213** for frames **FEO-0202** and **FEO-203**

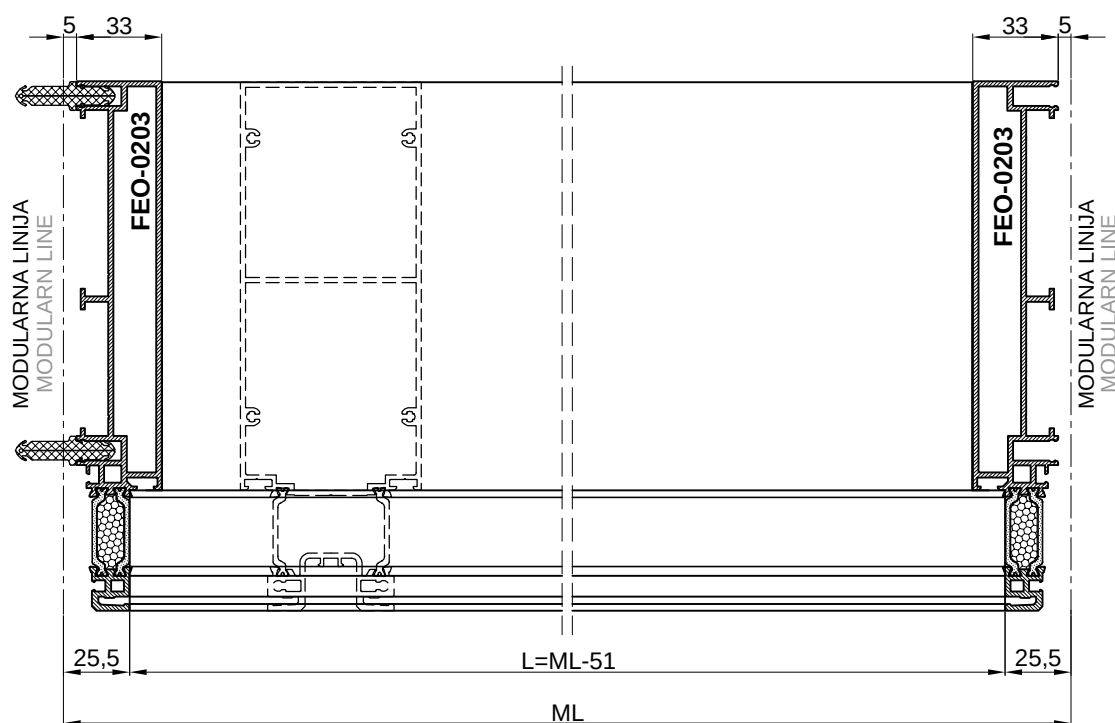
Presjek A-A
Cross section A-A



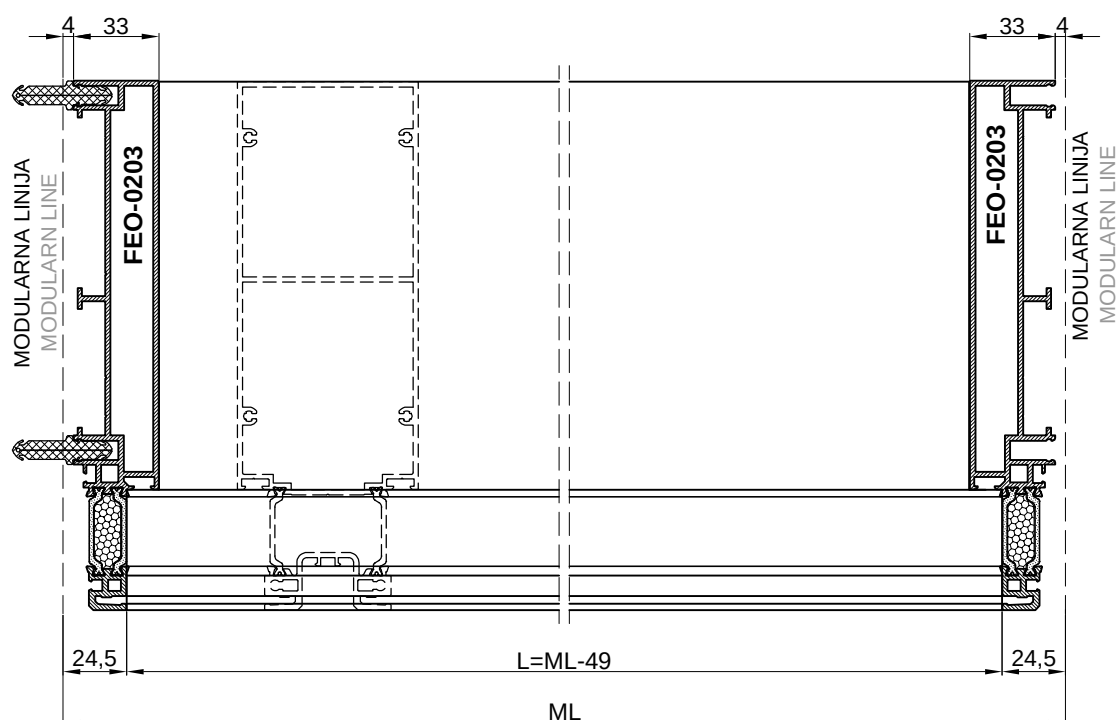


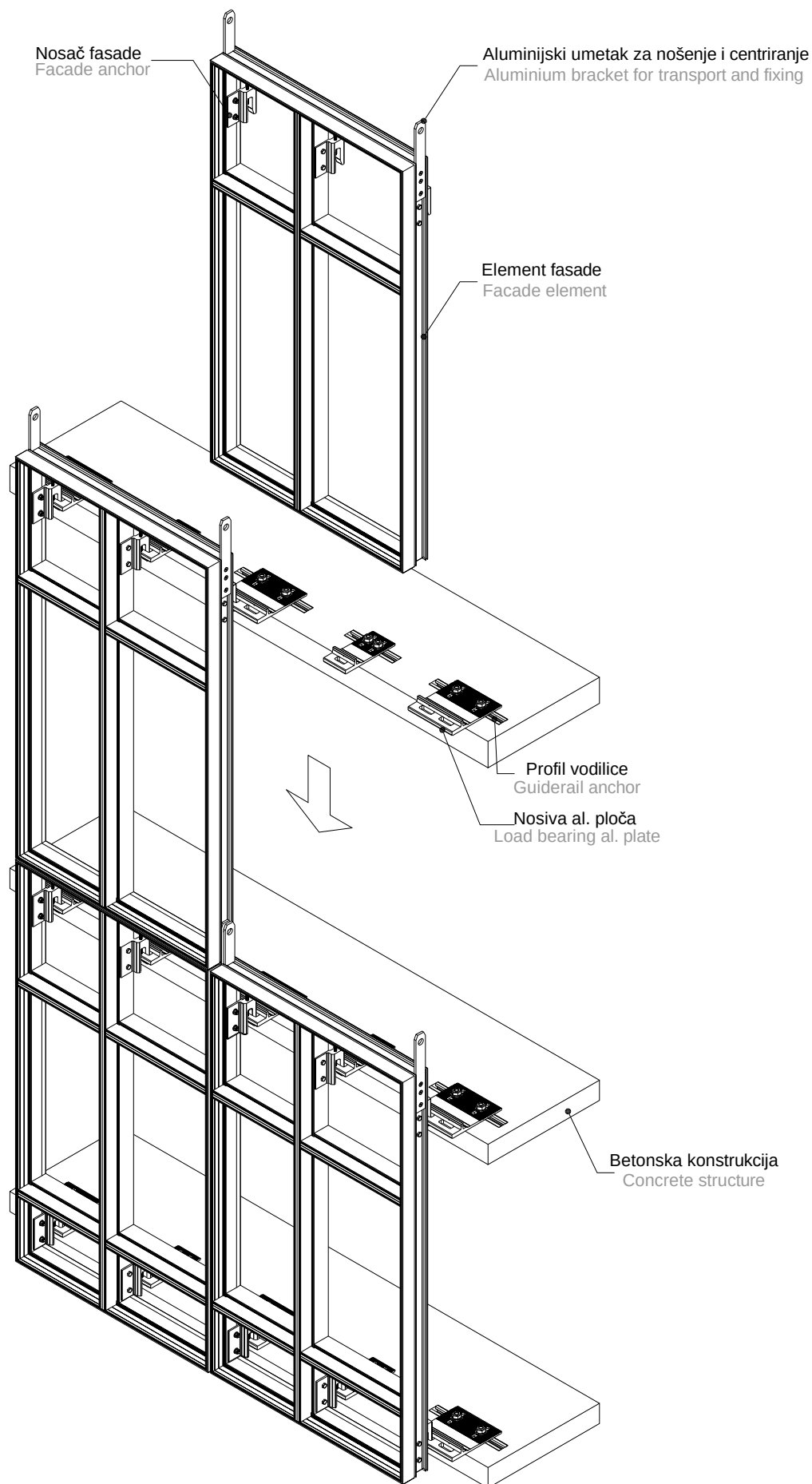


ZA ZAZOR IZMEĐU RAMOVA 10 mm
FOR GAP BETWEEN FRAMES 10 mm

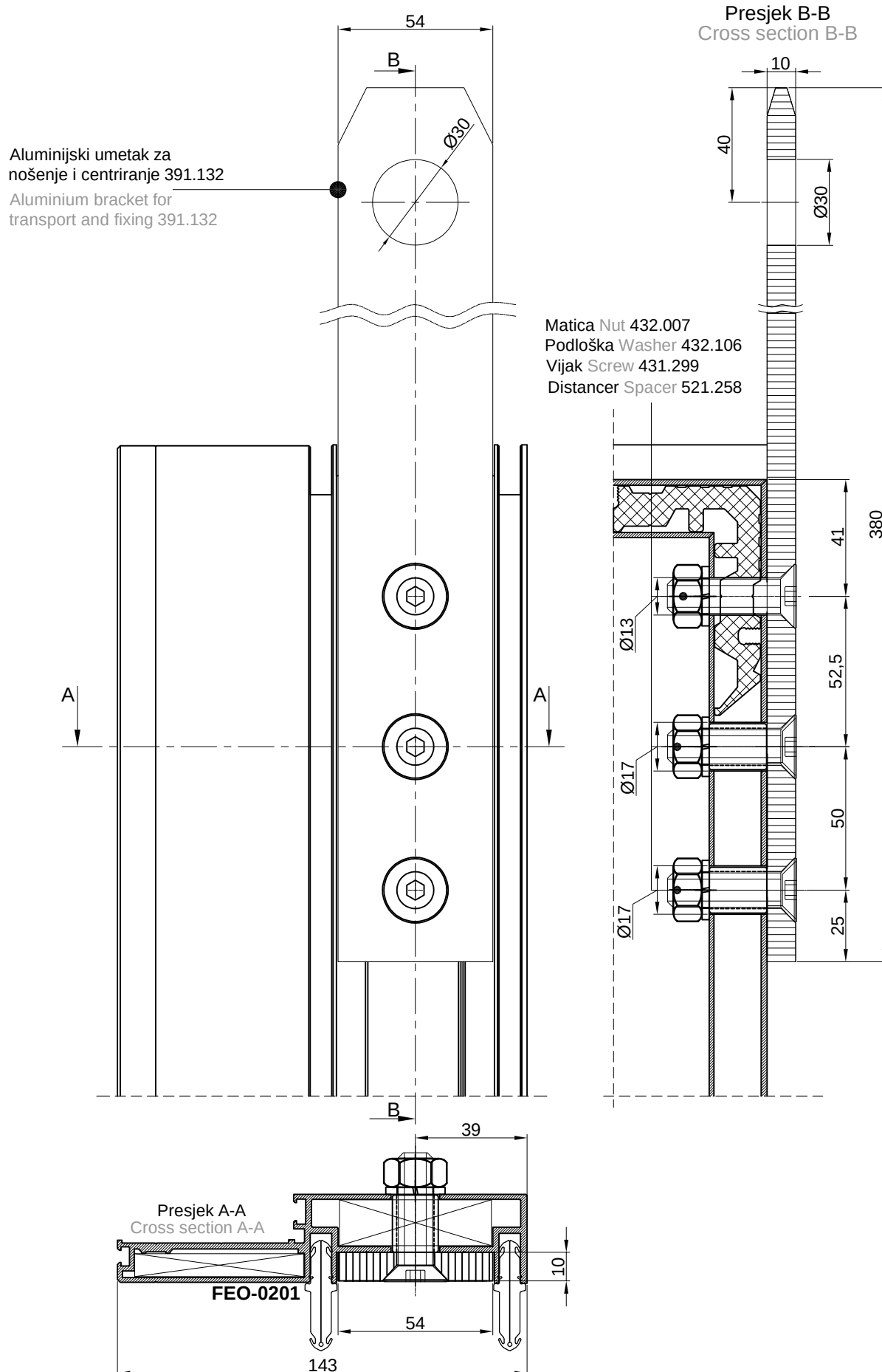


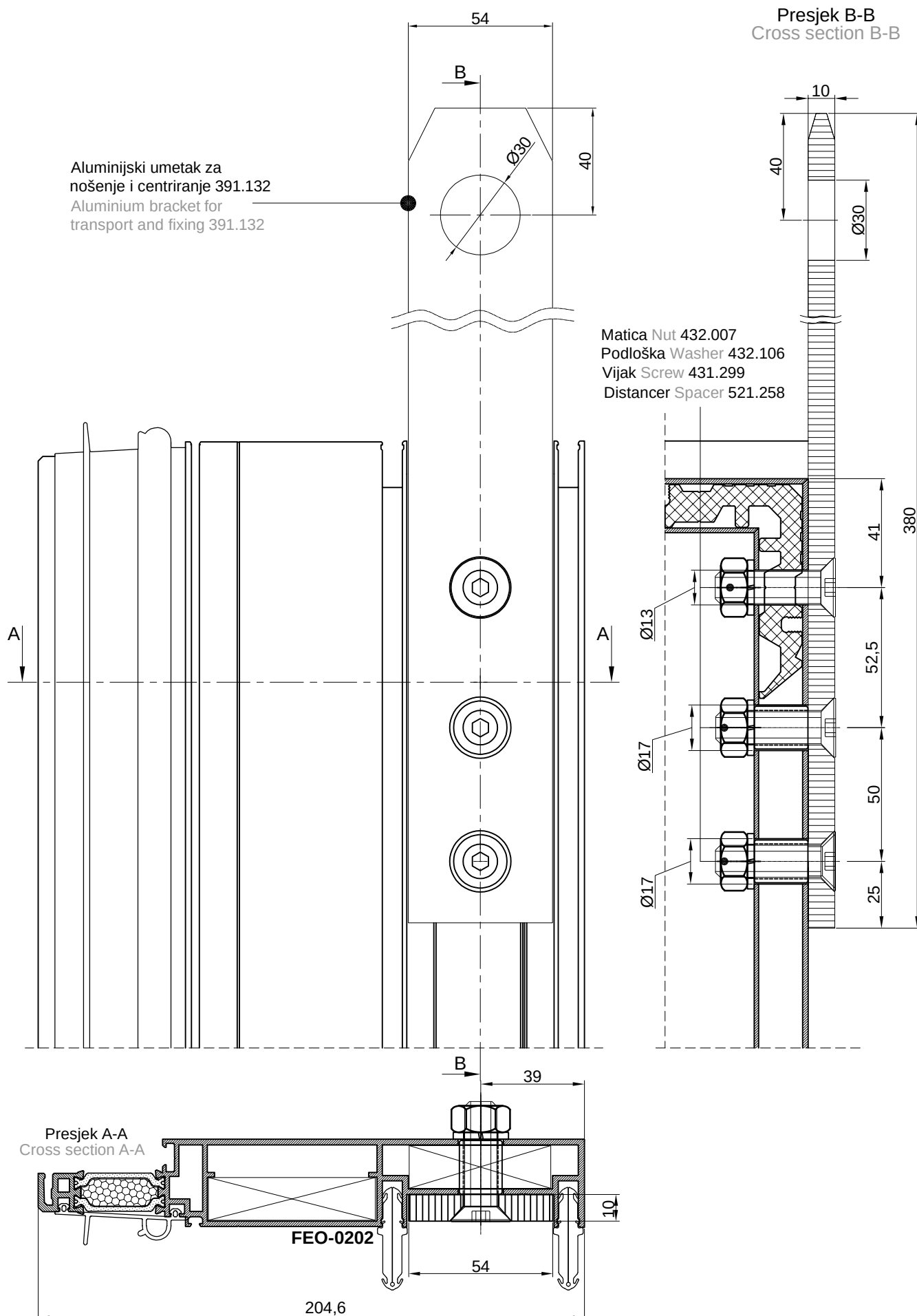
ZA ZAZOR IZMEĐU RAMOVA 8 mm
FOR GAP BETWEEN FRAMES 8 mm

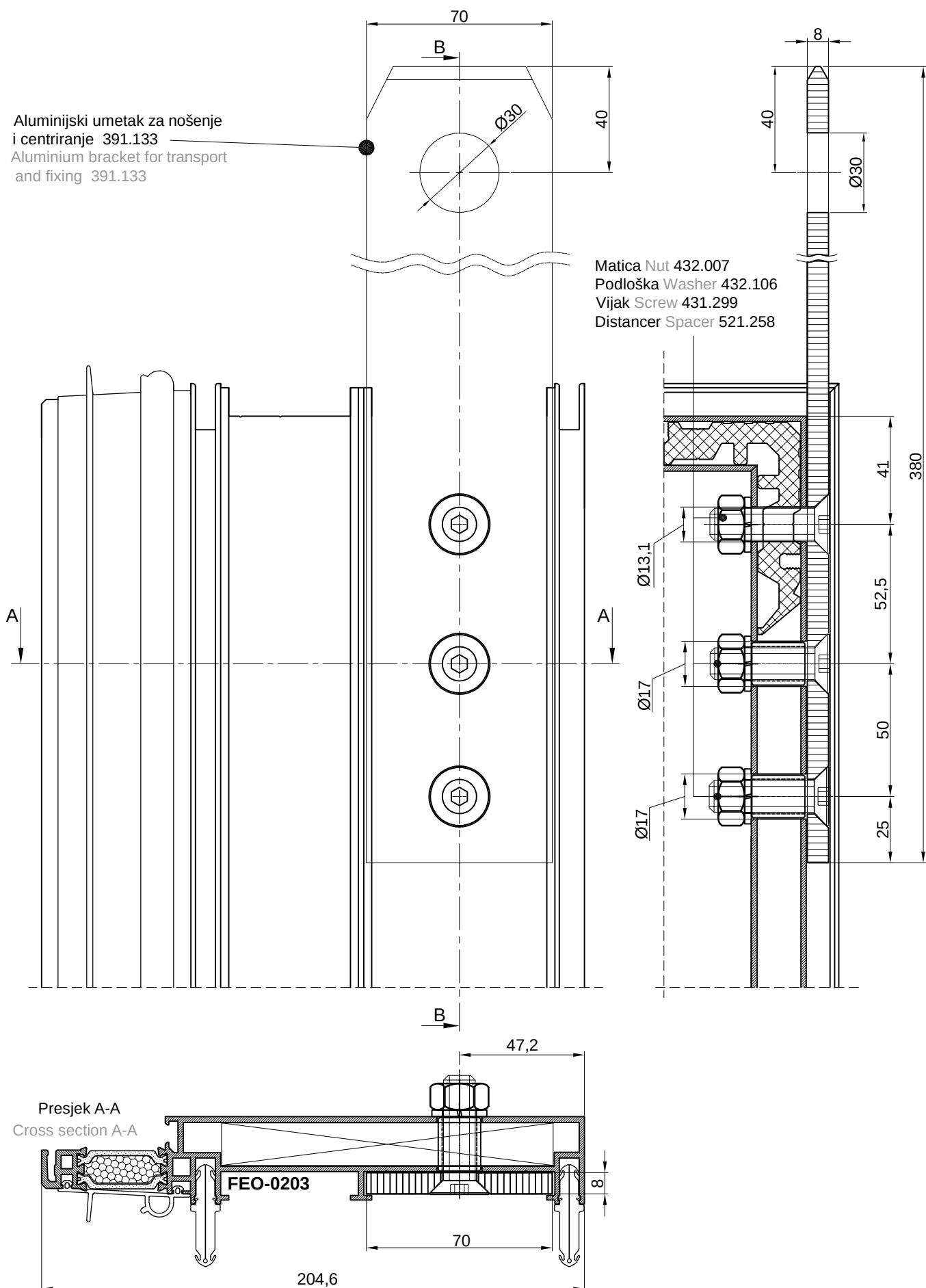




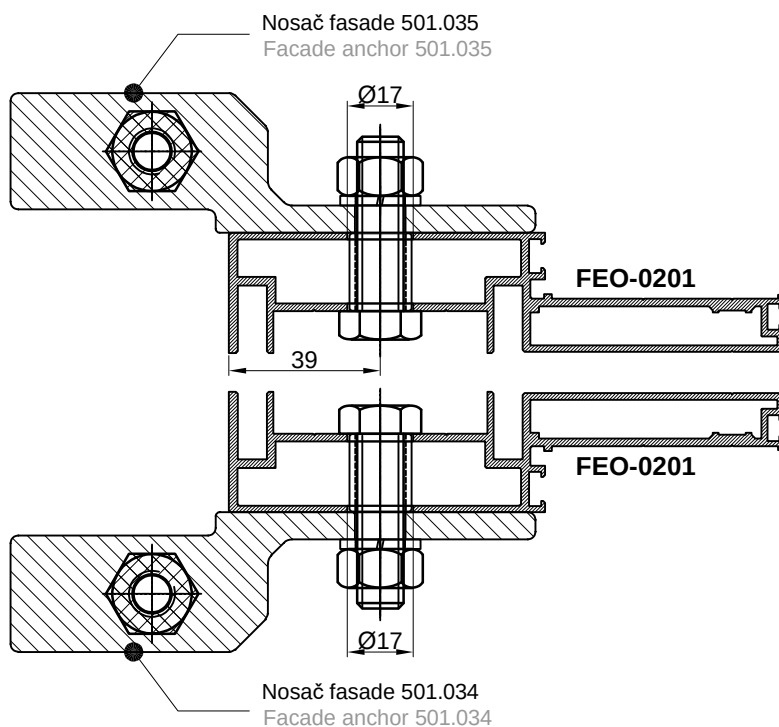
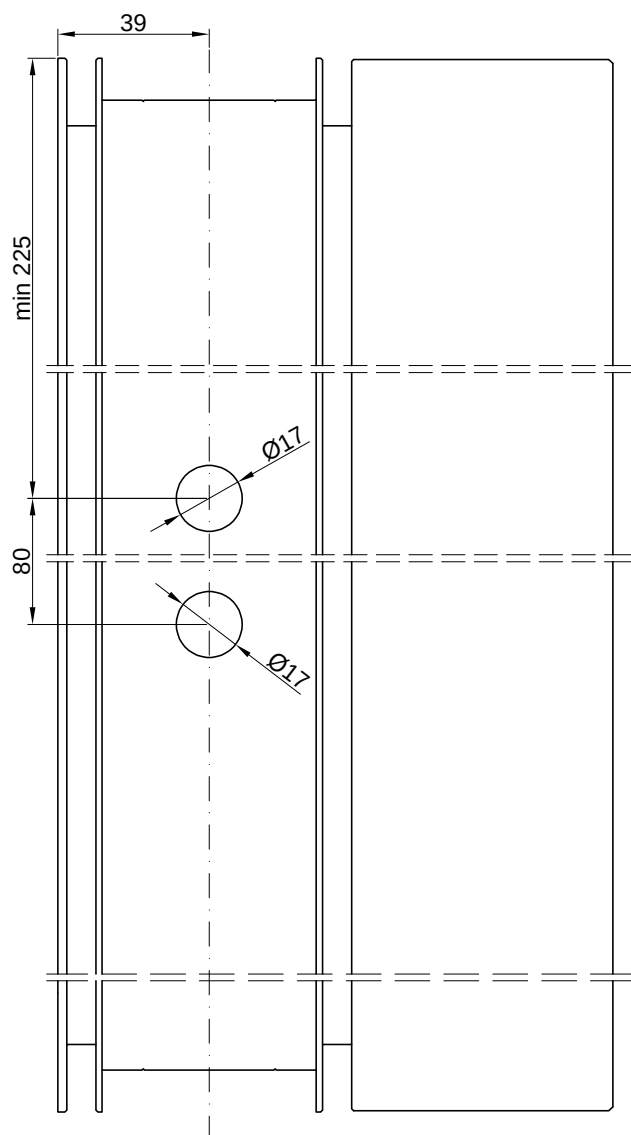
Napomena: Elementi se montiraju s ostakljenjem. U shemi gore su prikazani bez ostakljenja radi jasnijeg prikaza montaže.
Note: Elements are installed with the glazing. In the schematic above they are shown without glazing for clearer view of the installation.







Montiranje nosača fasade na profil **FEO-0201**
Installation of facade anchor on **FEO-0201**



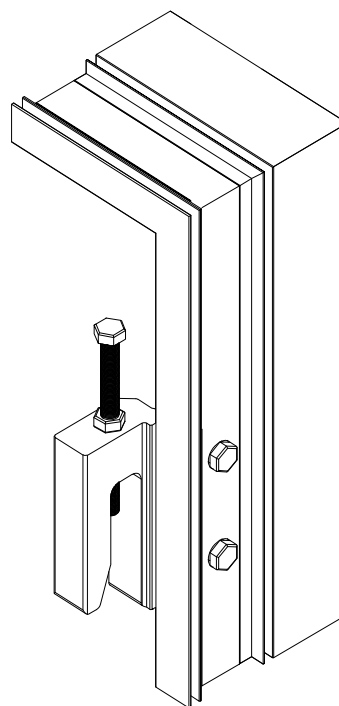
Matica Nut 432.007

Podloška Washer 432.106

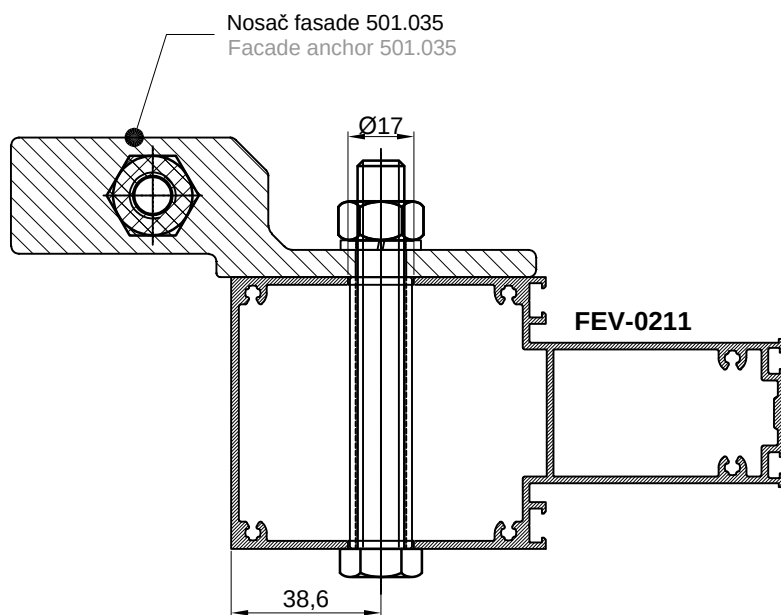
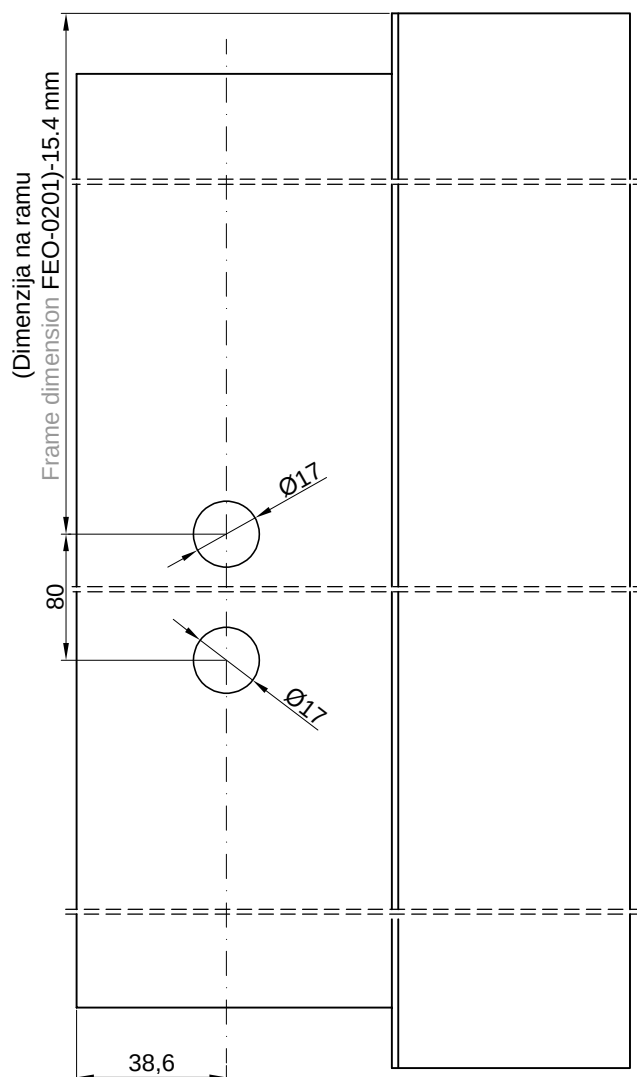
Nosač fasade 501.035
Facade anchor 501.035

Distancer Spacer 521.258

Vijak Screw 431.107



Montiranje nosača fasade na profil FEV-0211 Installation of facade anchor on FEV-0211



Matica Nut 432.007

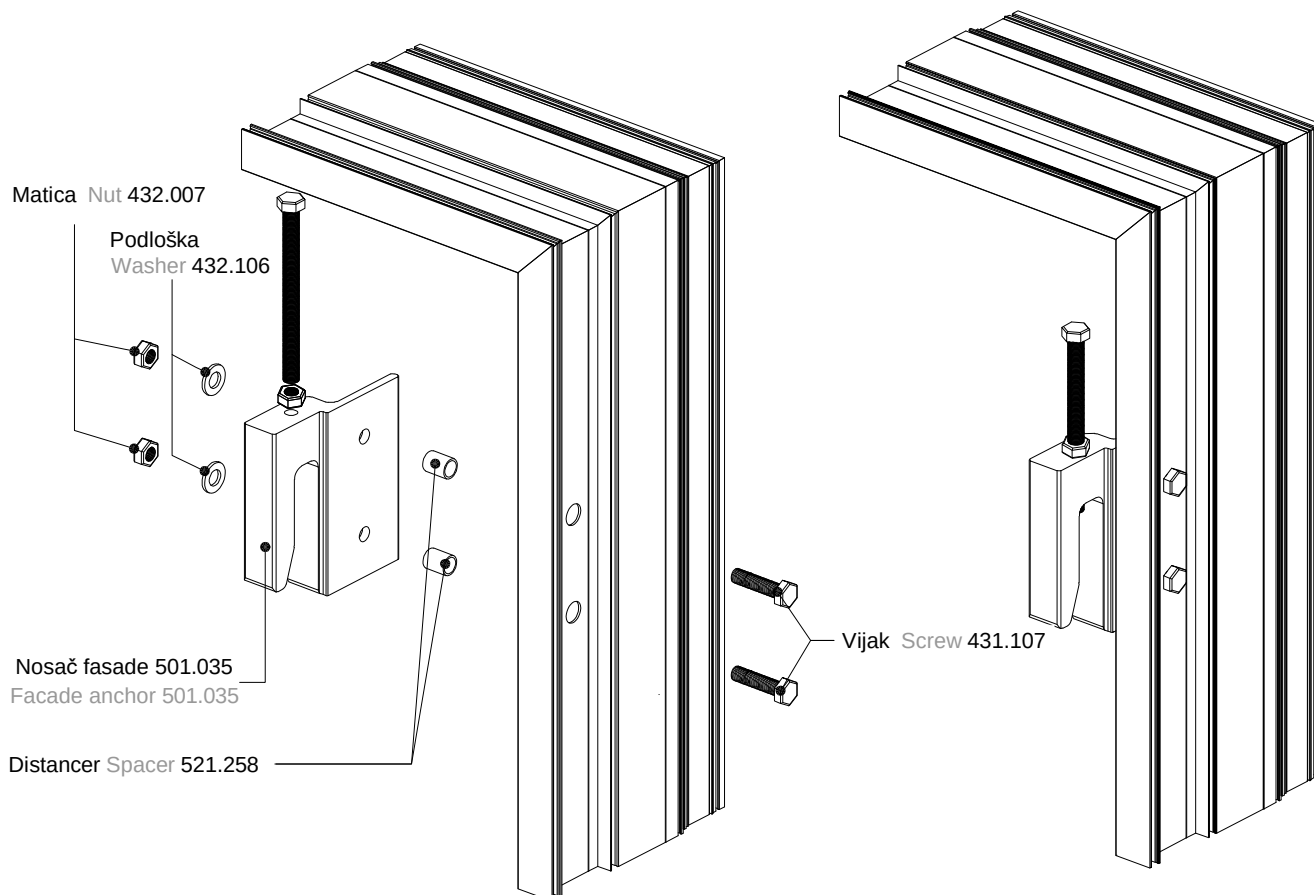
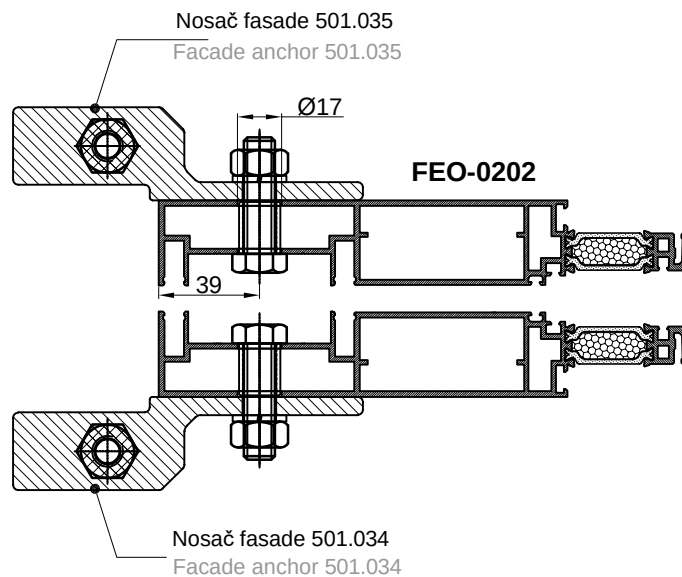
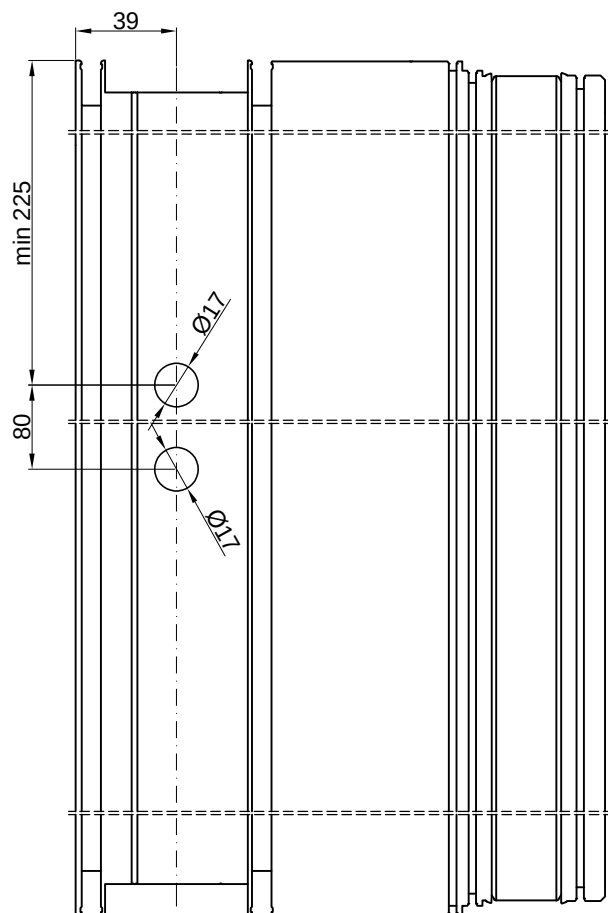
Podloška Washer 432.106

Nosač fasade 501.035
Facade anchor 501.035

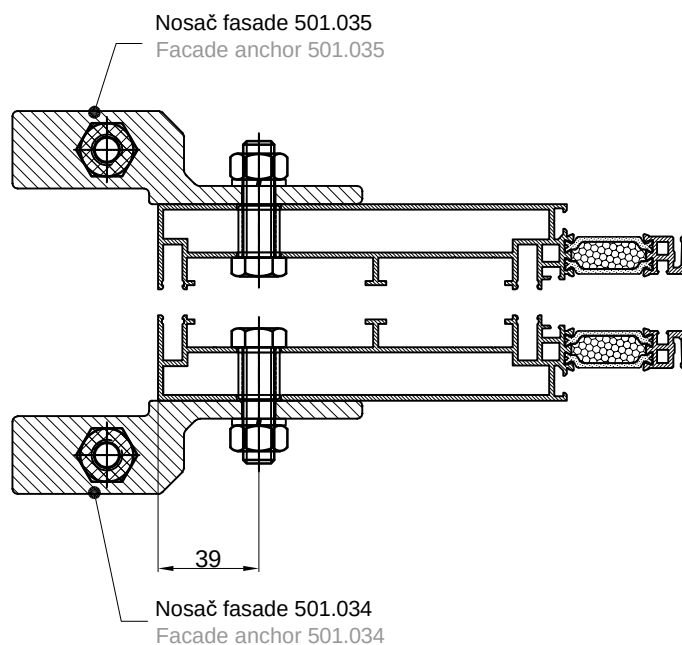
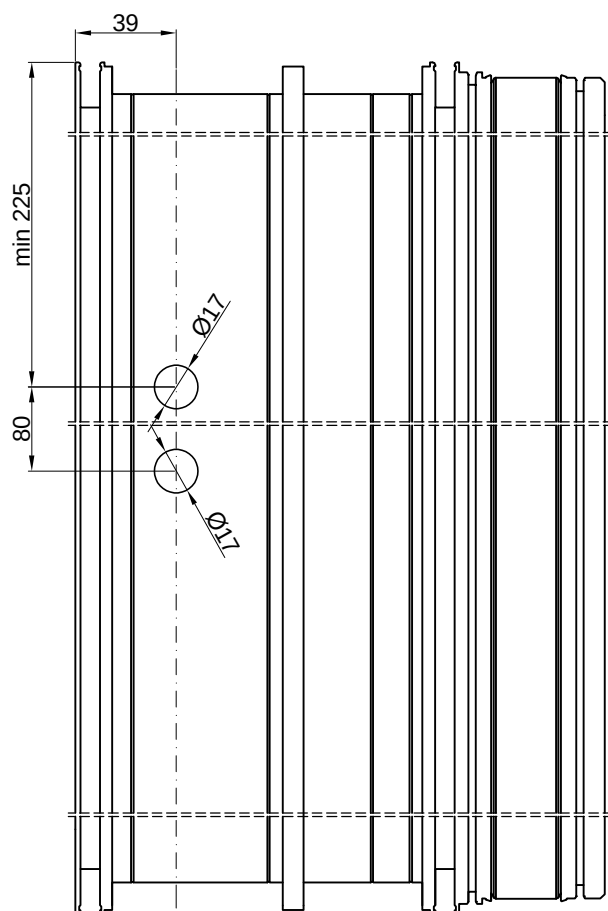
Distancer Spacer 521.259

Vijak Screw 431.116

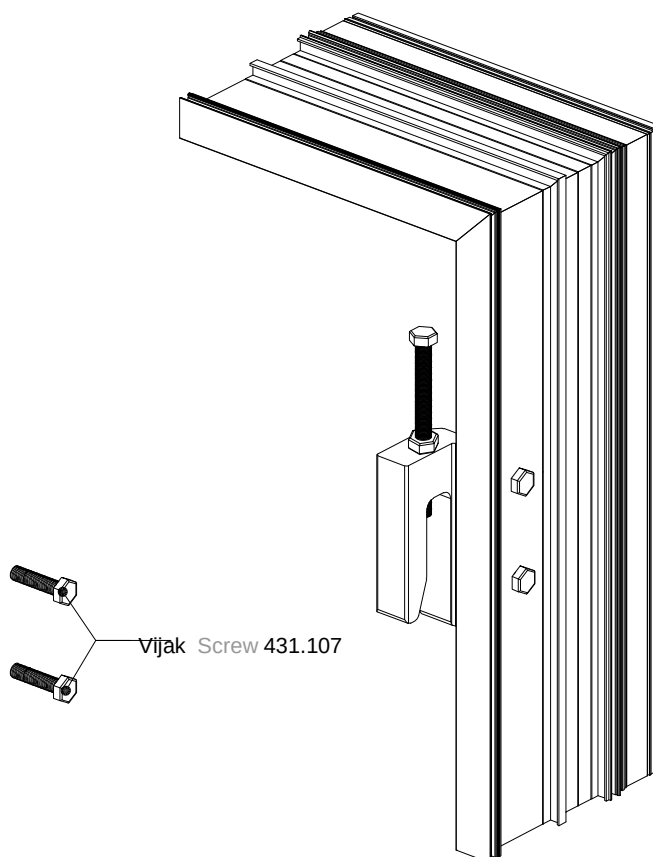
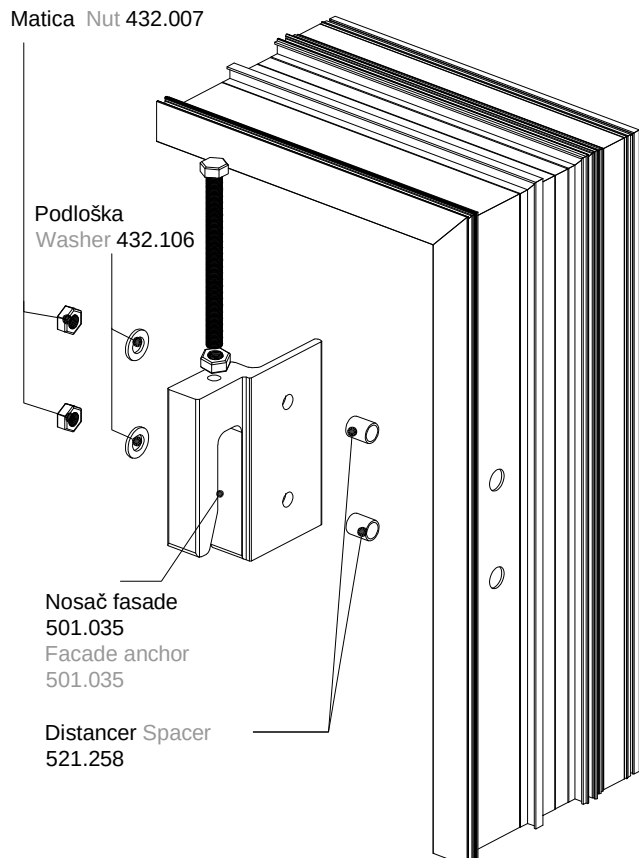
Montiranje nosača fasade na profil FEO-0202
Installation of facade anchor on FEO-0202

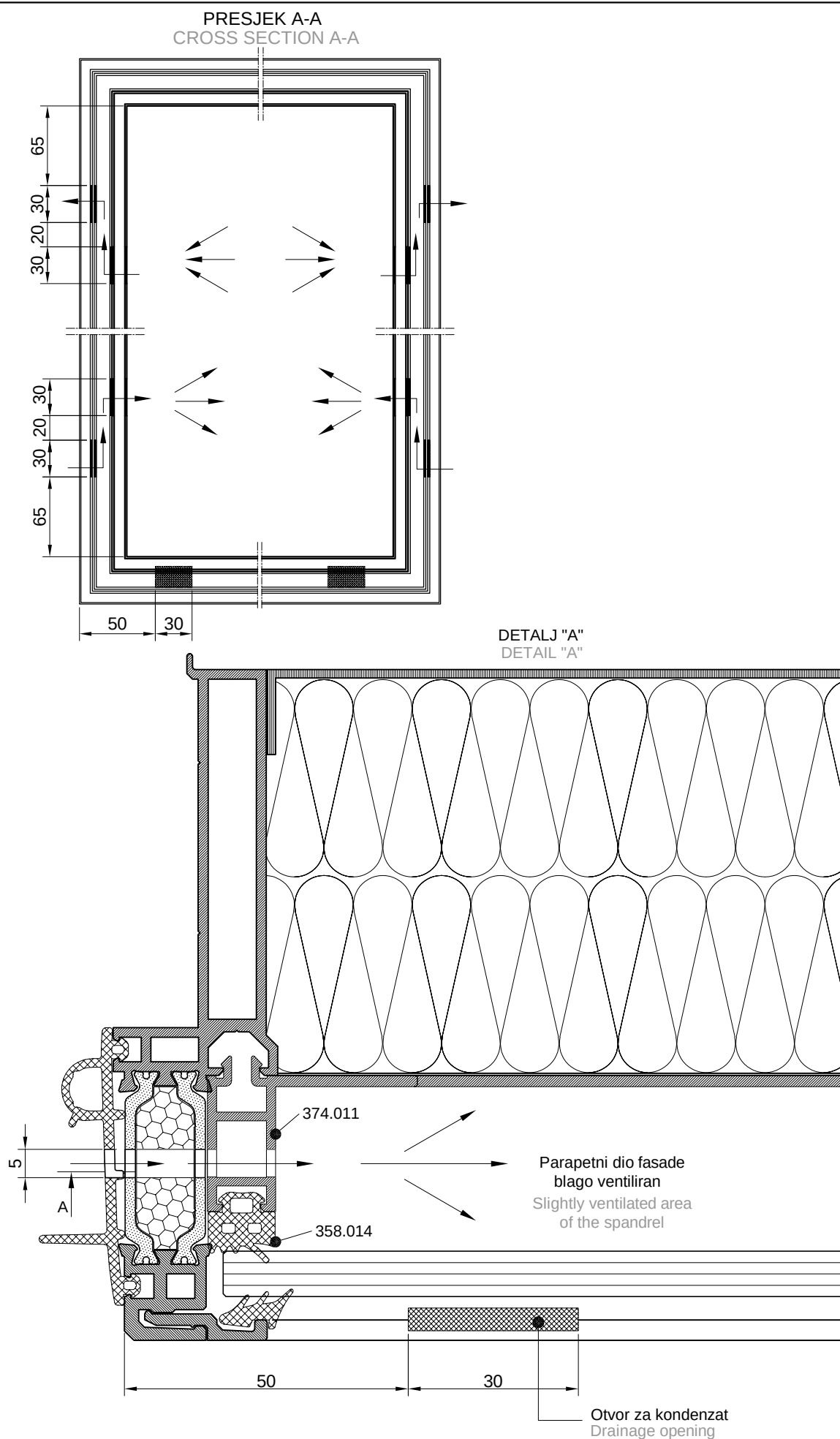


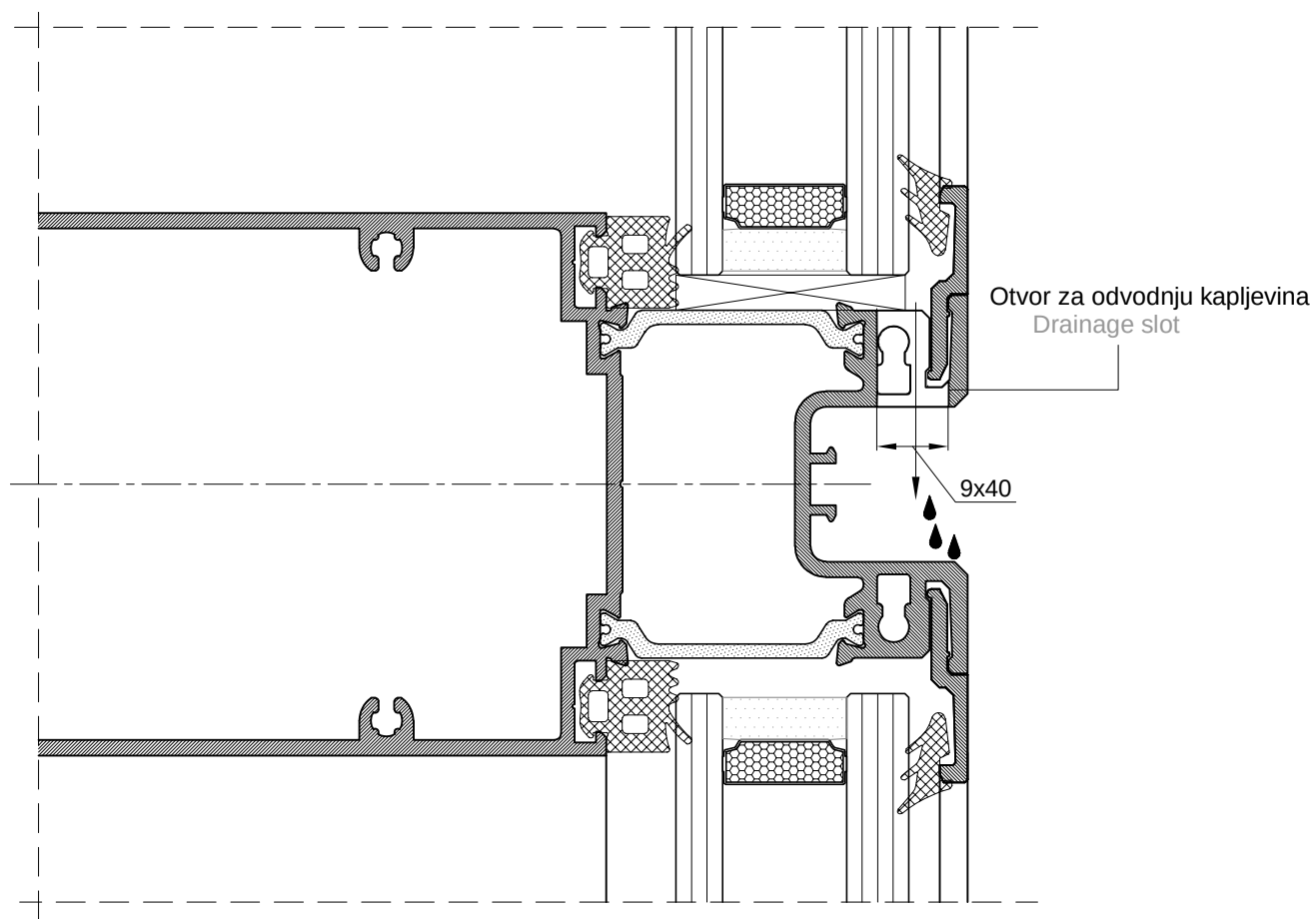
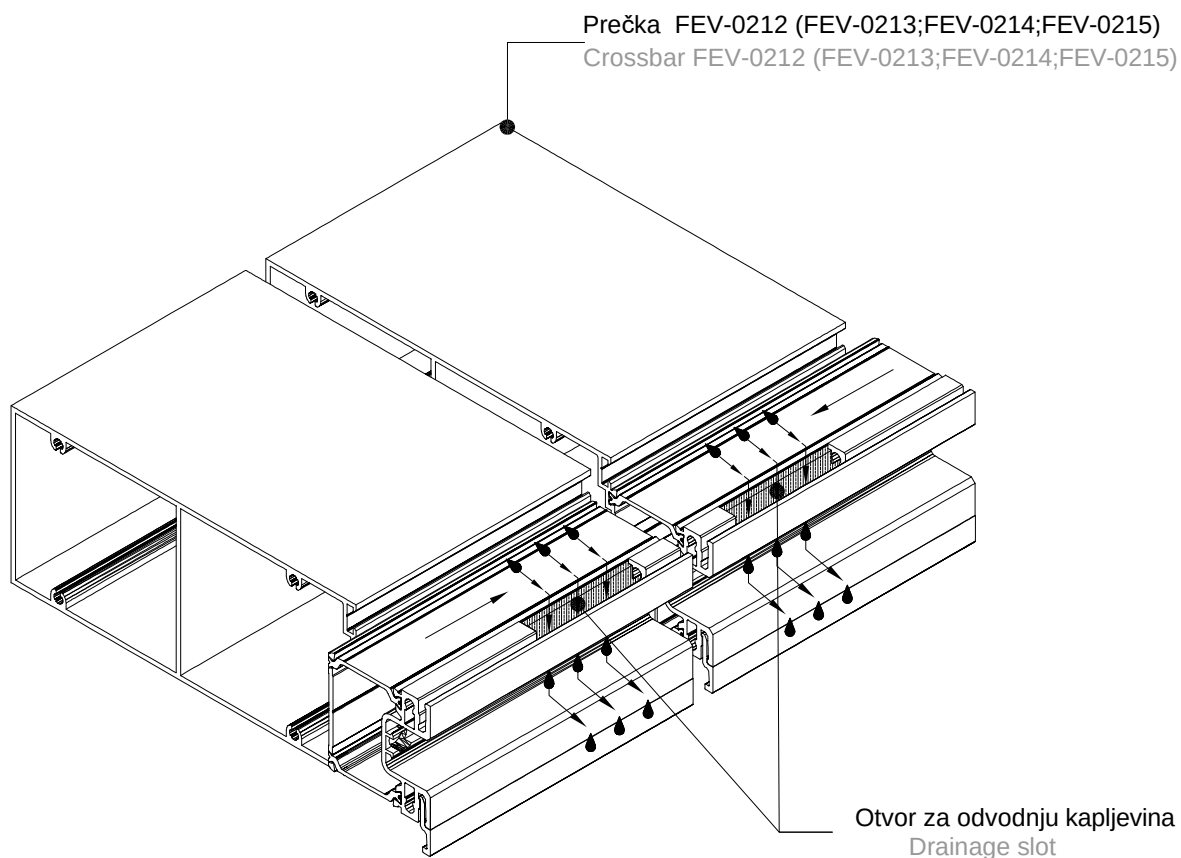
Montiranje nosača fasade na profil **FEO-0203**
Installation of facade anchor on **FEO-0203**

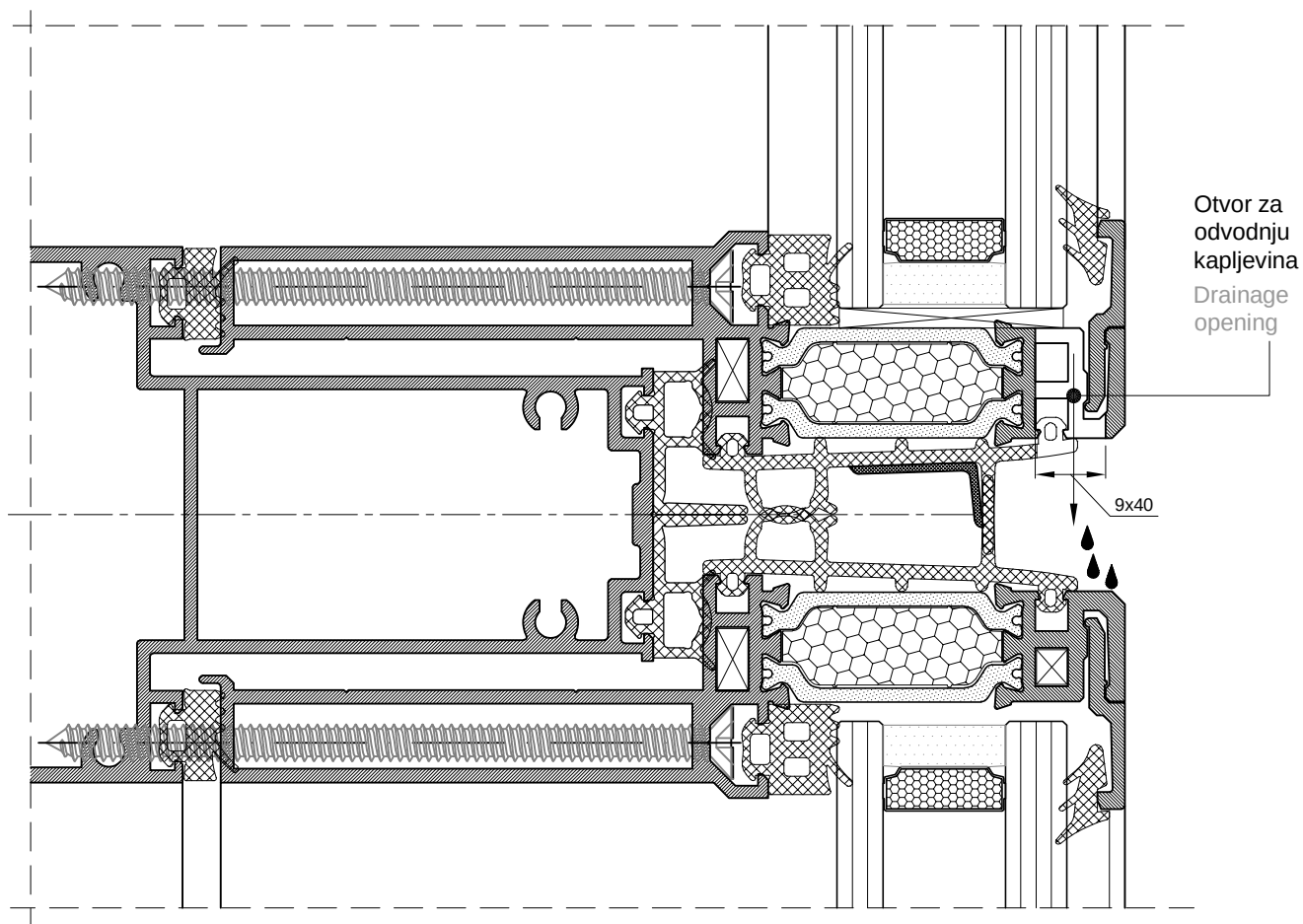
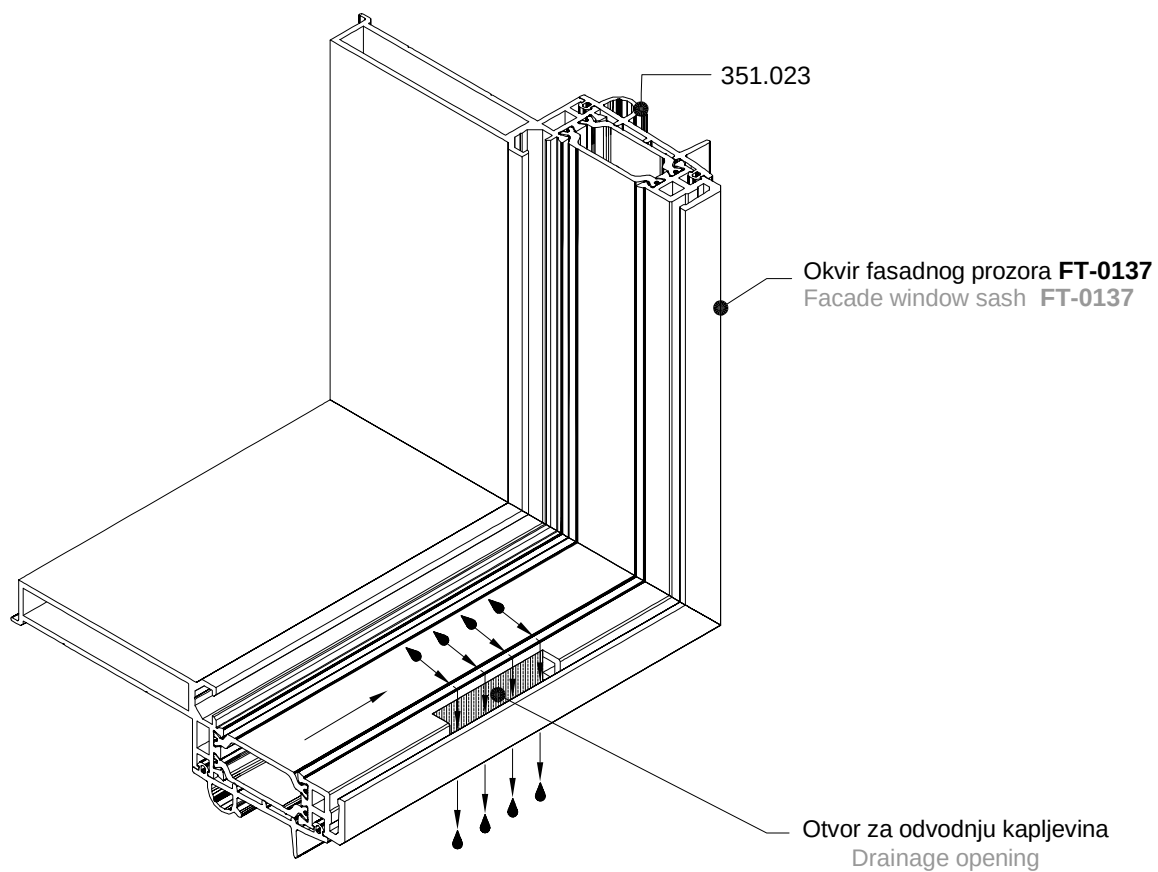


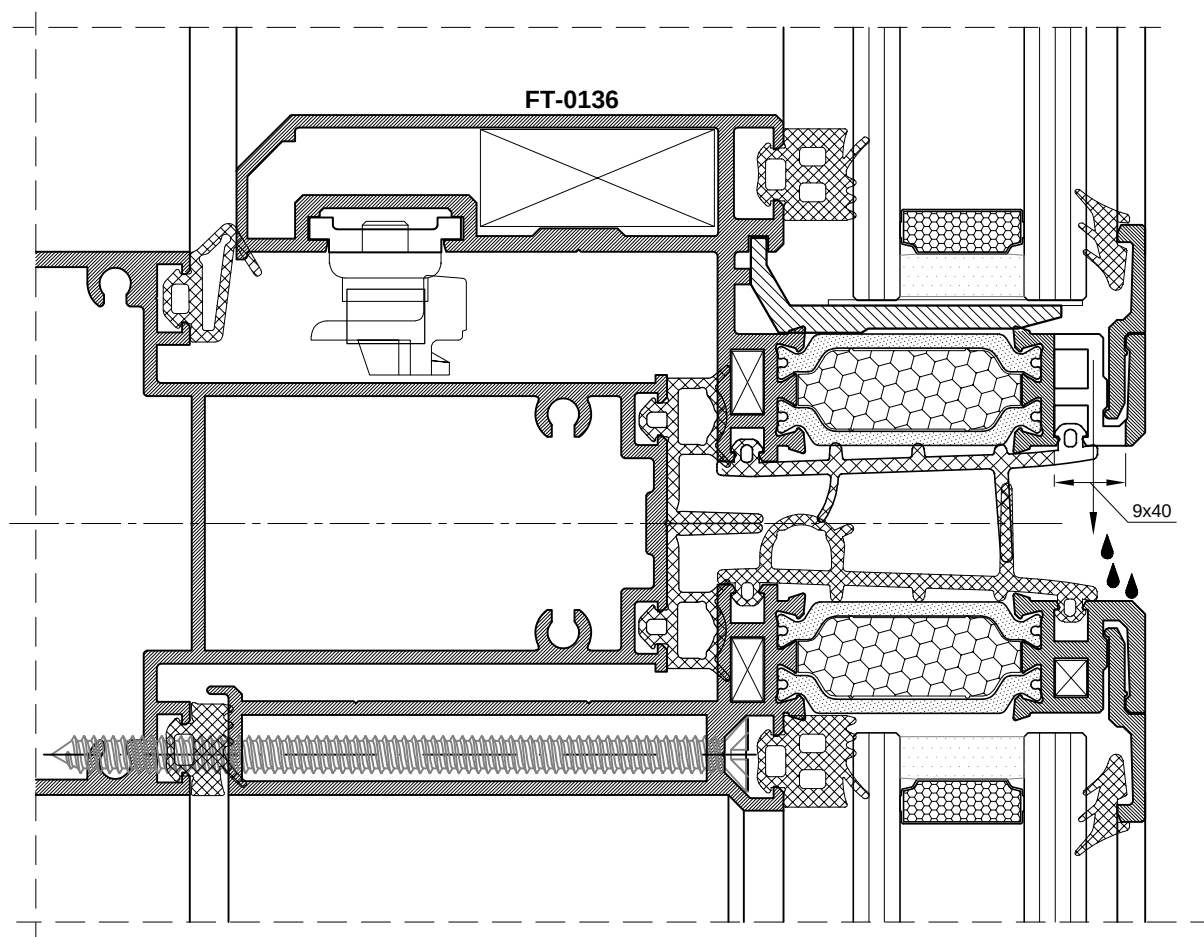
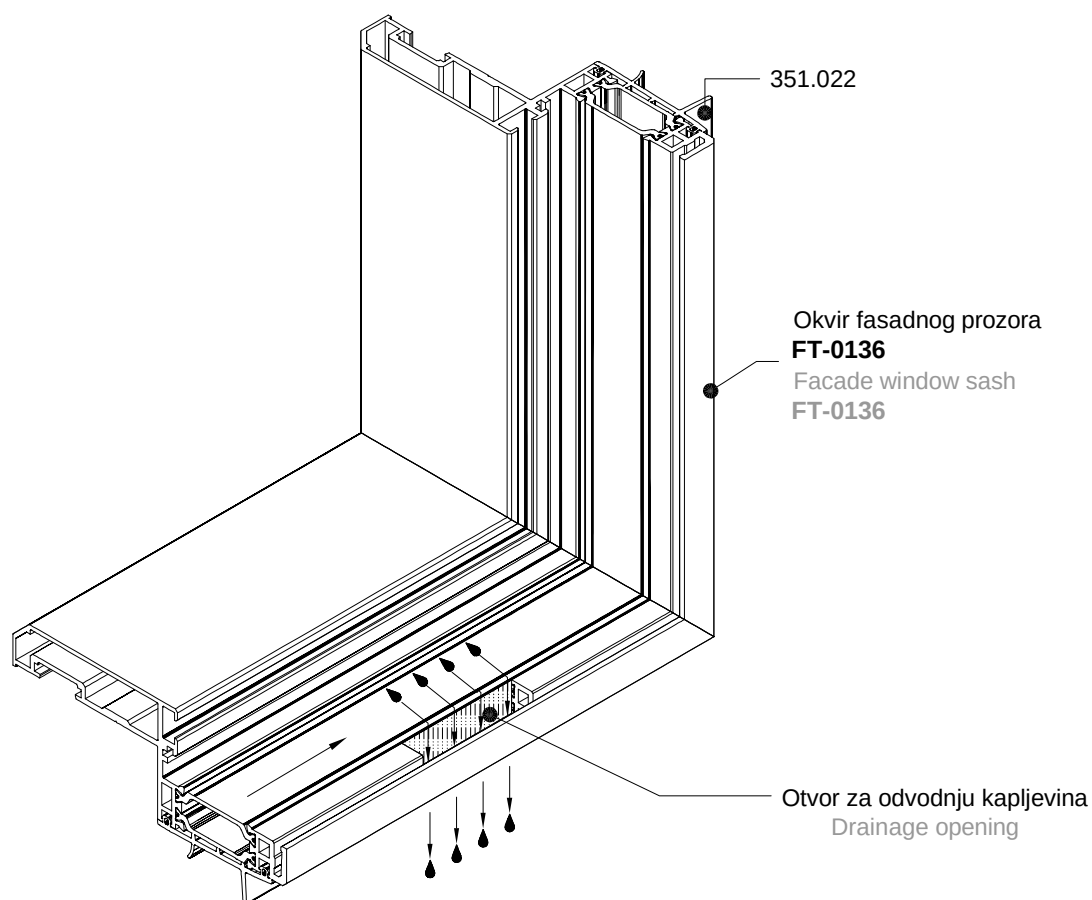
Matica Nut 432.007

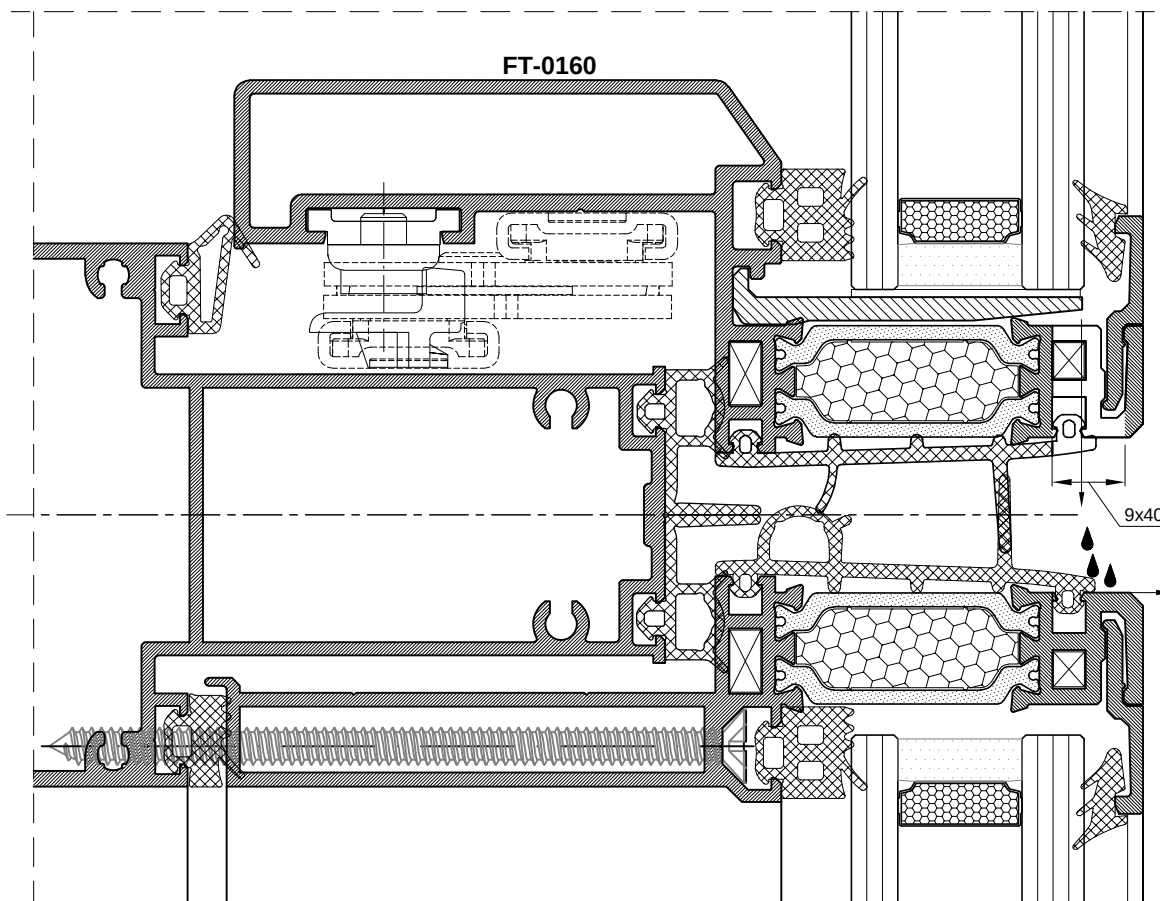
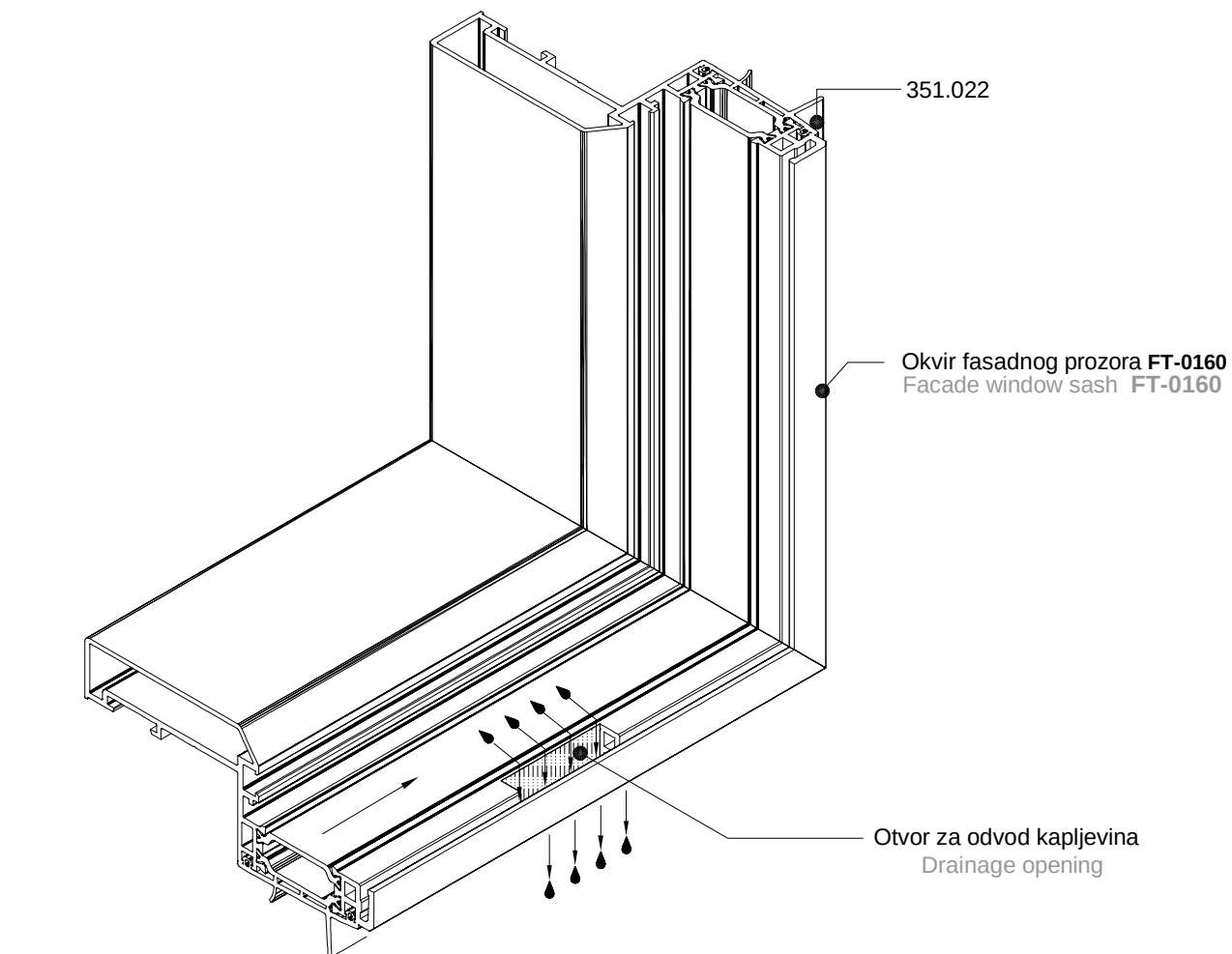


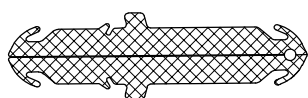




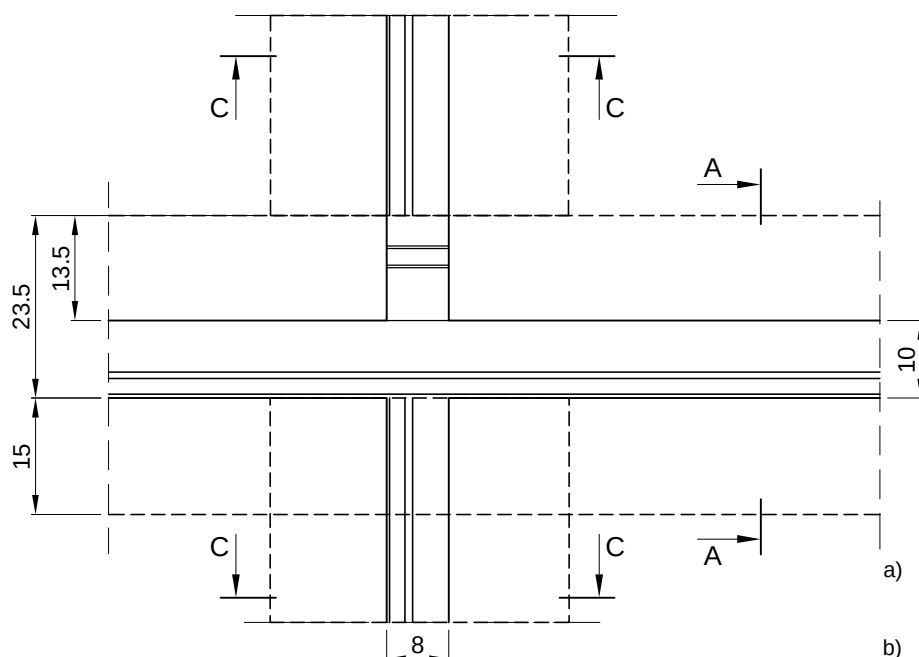




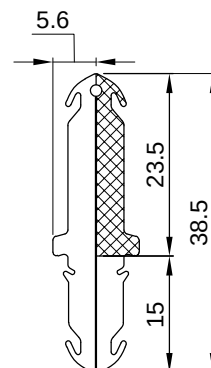




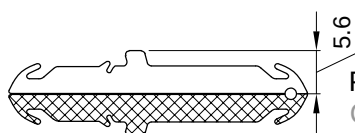
Presjek D-D
Cross section D-D



Presjek A-A
Cross section A-A

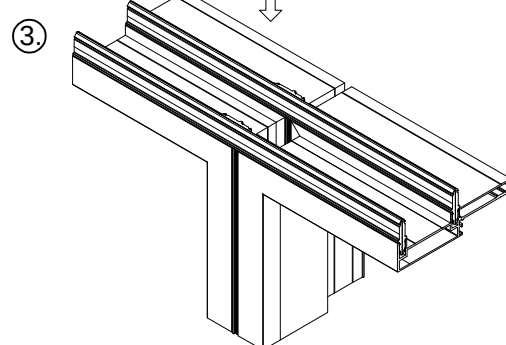
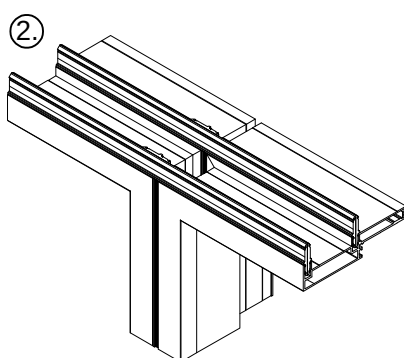
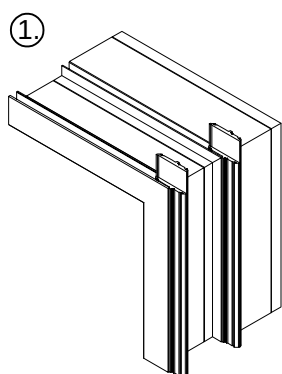
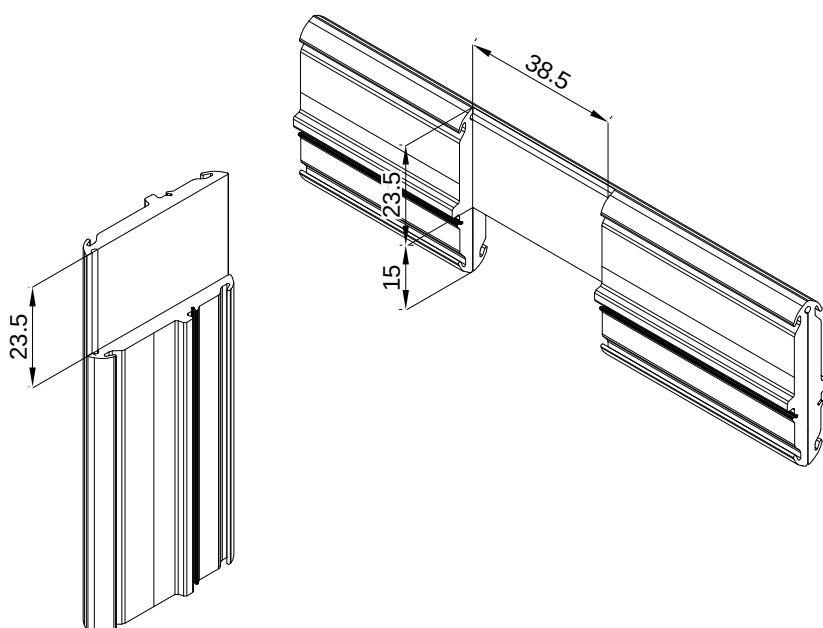


344.011



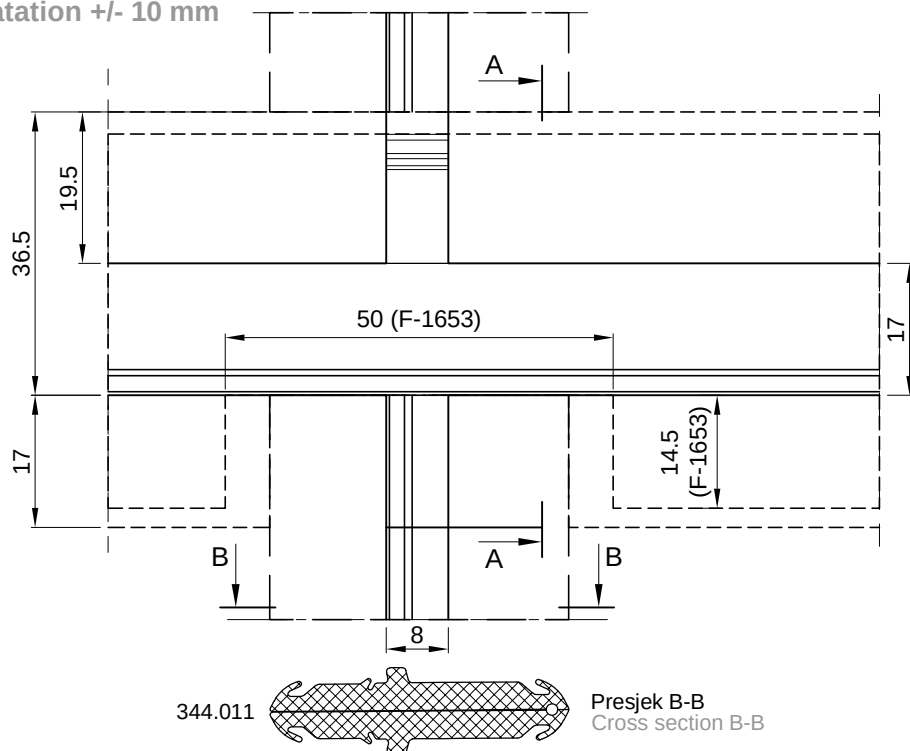
Presjek B-B
Cross section B-B

- Vertikalne spojne brtve se montiraju tako da se preklapaju s horizontalnim spojnim brtvama
 - Horizontalne spojne brtve se montiraju preko više elemenata. Svi spojevi horizontalnih između brtvi moraju biti pozicionirani na sredini elementa
 - Vertikalne spojne brtve se montiraju na elementu u radionici
- Vertical connection gaskets are mounted so that they overlap with the horizontal connection gaskets
 - Horizontal connection gaskets are mounted across several elements. All connections between horizontal gaskets have to be positions on the center of the unit
 - Vertical connection gaskets are mounted on the unit in the workshop



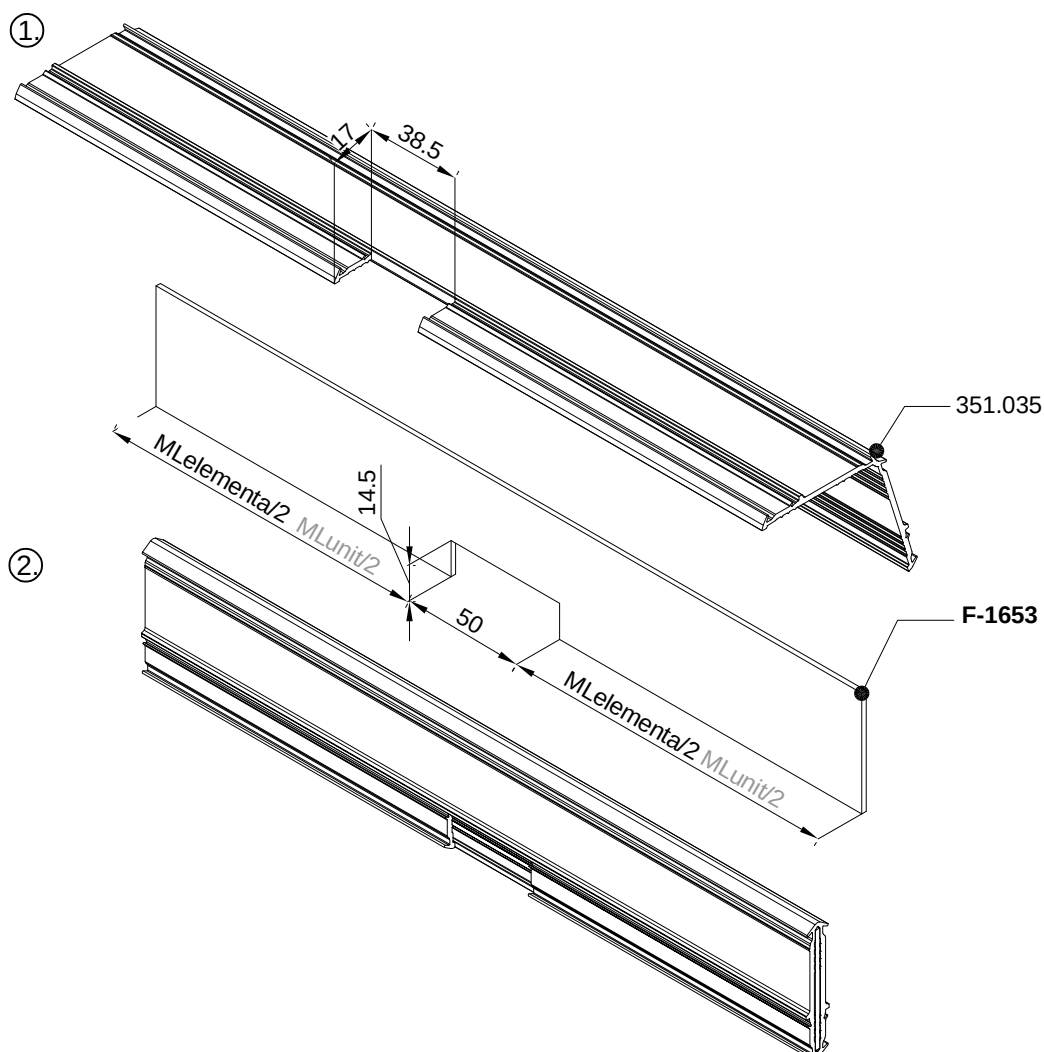
Dilatacija +/- 10 mm

Dilatation +/- 10 mm

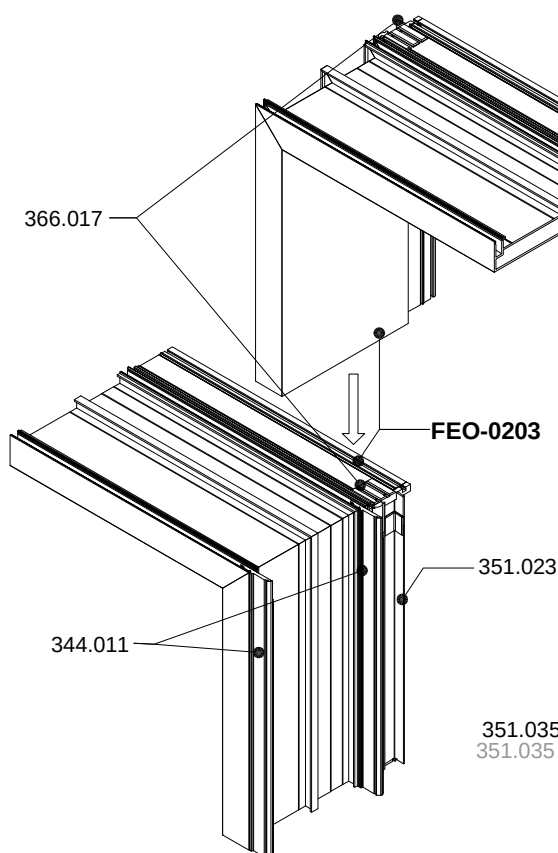


Presjek A-A
Cross section A-A

Presjek B-B
Cross section B-B



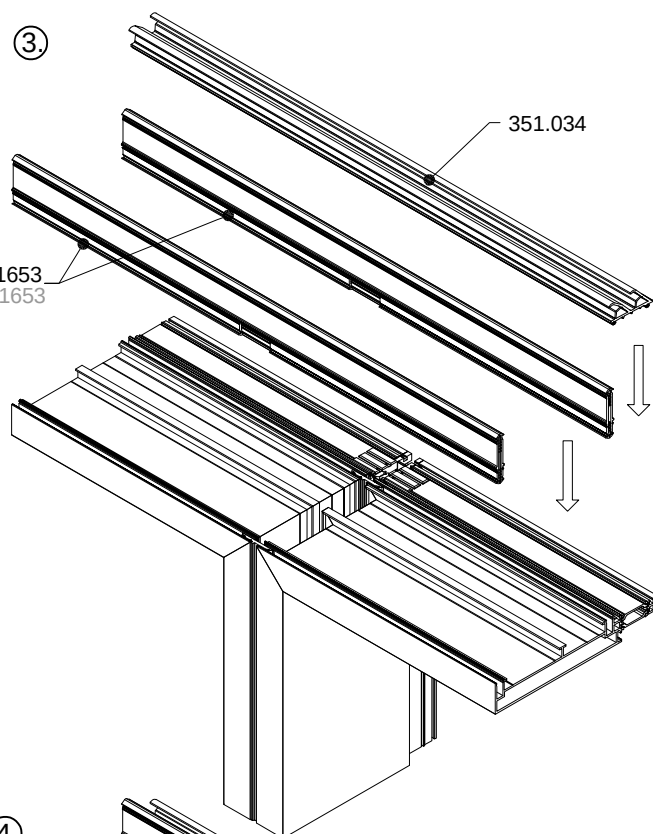
①



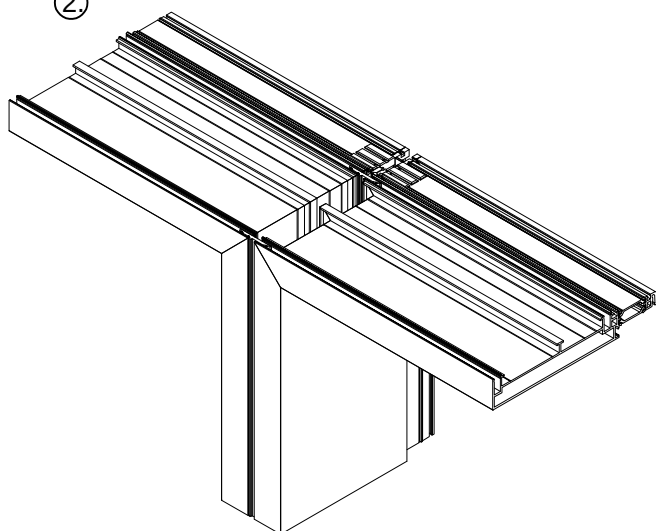
- a) Vertikalne spojne brtve 344.011 se montiraju tako da se preklapaju s horizontalnim spojnim brtvama 351.035 (stranica 504.11.037)
- Vertikalne i horizontalne vanjske brtve 351.034 i 351.023 se spajaju s pomoću kutne spojnice 366.017
- b) Horizontalne spojne i vanjske brtve se montiraju preko više elemenata. Svi spojevi između horizontalnih brtvih moraju biti pozicionirani na sredini elementa
- c) Vertikalne brtve i kutna spojnica 366.017 se montiraju na element u radionici
- d) Profil F-1653 se montira preko dva elementa

- a) Vertical connection gaskets 344.011 are mounted so that they overlap with the horizontal connection gaskets 351.035 (page 504.11.037)
- Vertical and horizontal weather gaskets are connected with the corner joint 366.017
- b) Horizontal connection and weather gaskets are mounted across several elements. All connections between horizontal gaskets have to be positioned on the center of the unit
- c) Vertical gaskets and corner joint 366.017 are mounted on the unit in the workshop
- d) Profile F-1653 is mounted across two units

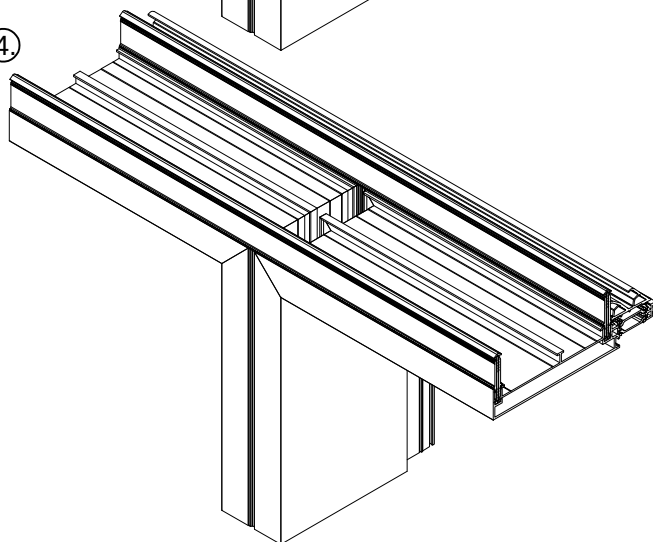
③

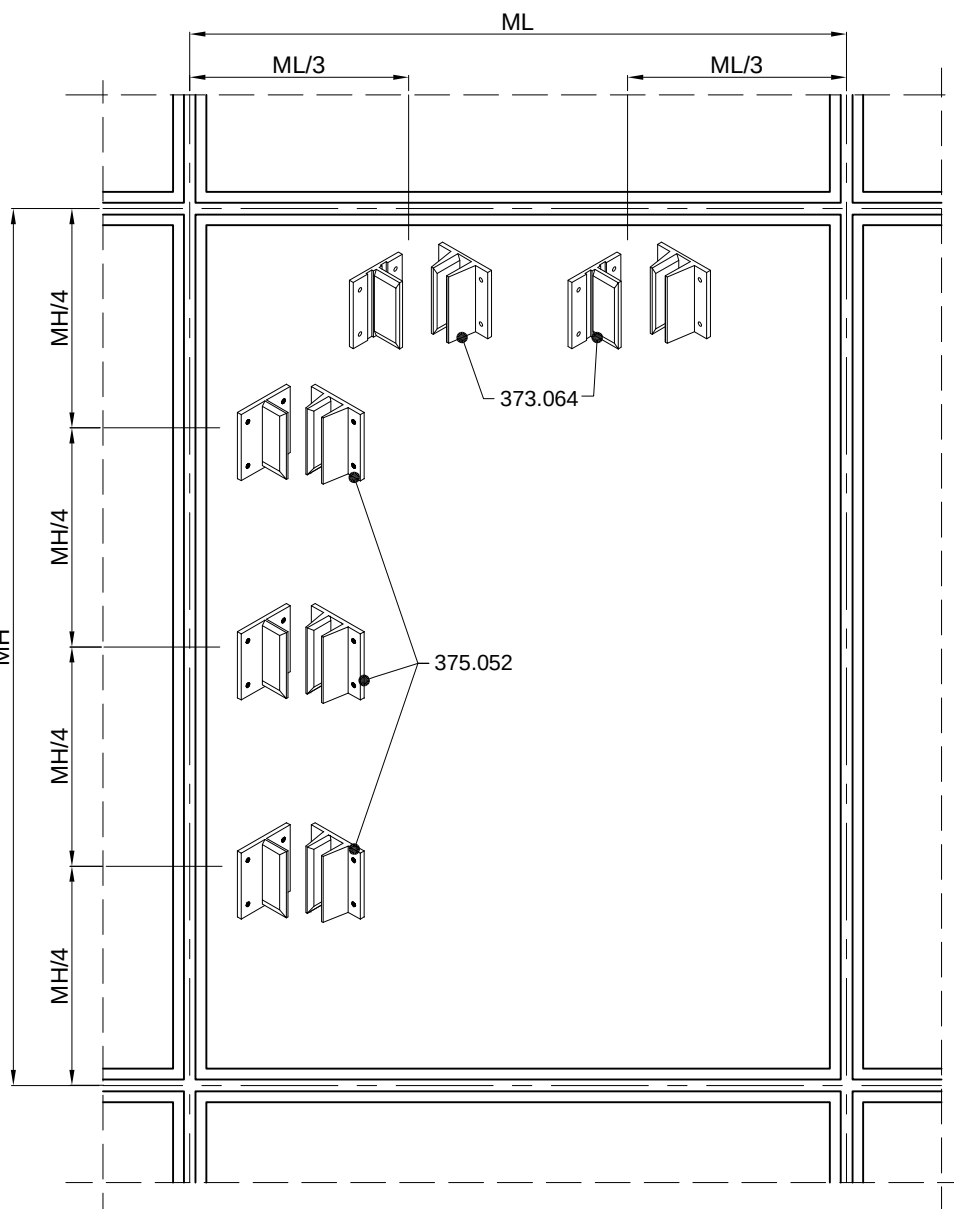
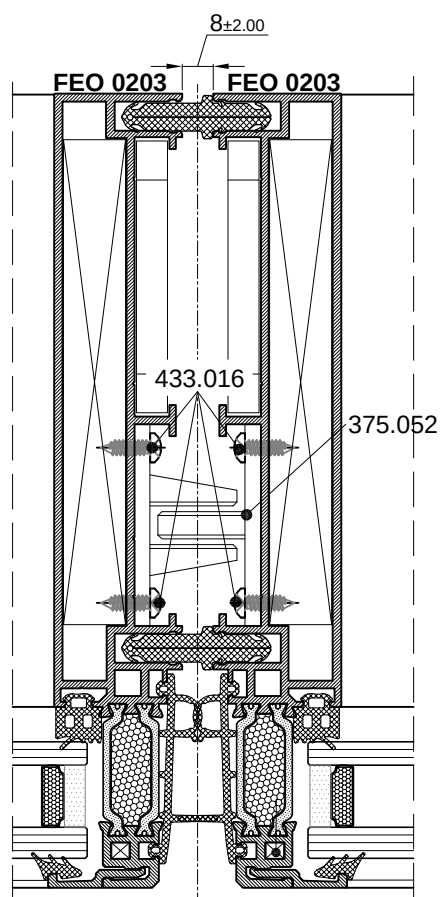
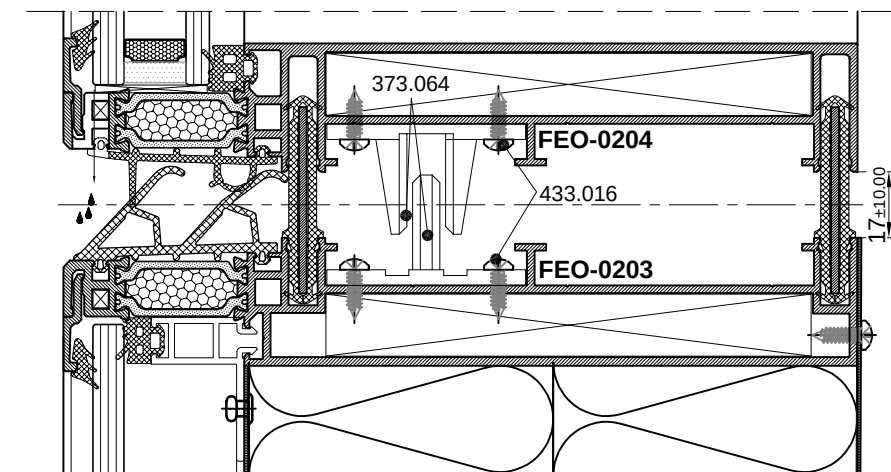
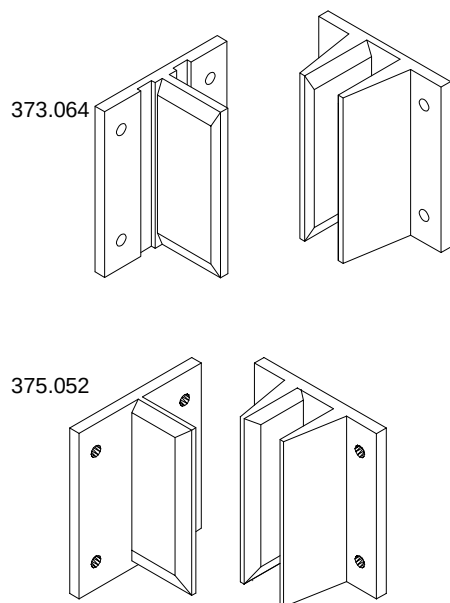


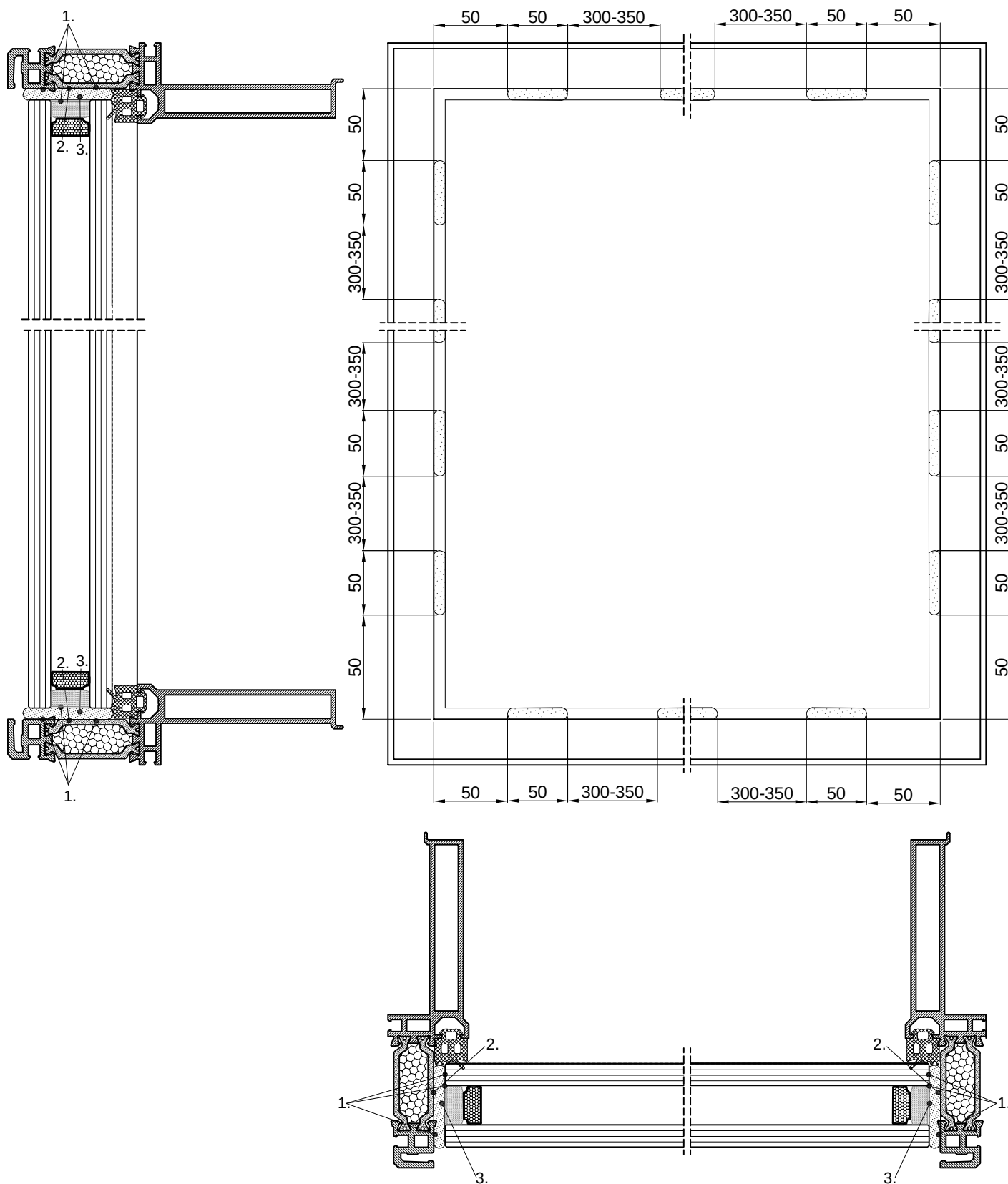
②



④

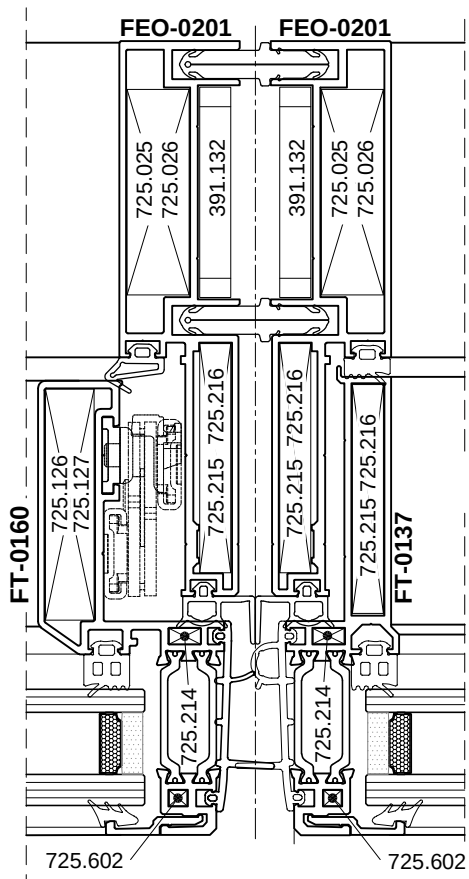




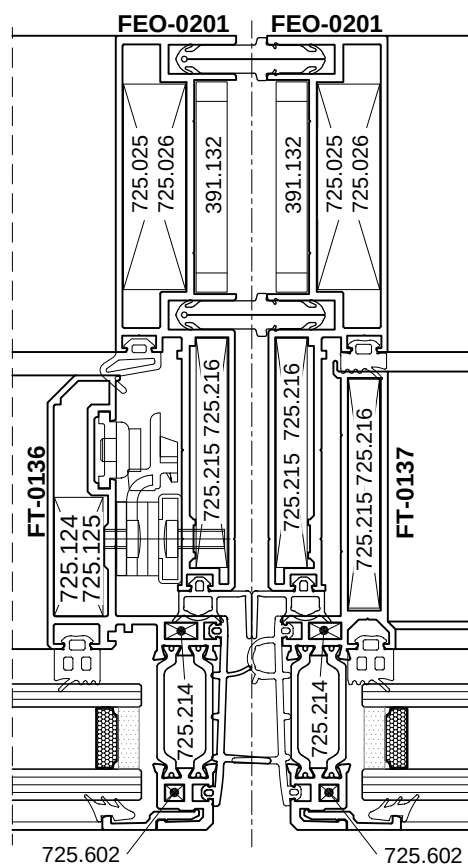


1. Odmastiti površine čistačem. (npr Teroson VR 20)
2. Primer Teroson PU 8519(na poliamid)
3. Dvokomponentno ljepilo (npr . MS Teroson 9399)
1. Degrease the surfaces with a cleaner. (eg. Teroson VR 20)
2. Primer Teroson PU 8519(on the polyamid strip)
3. Two component adhesive (eg. MS Teroson 9399)

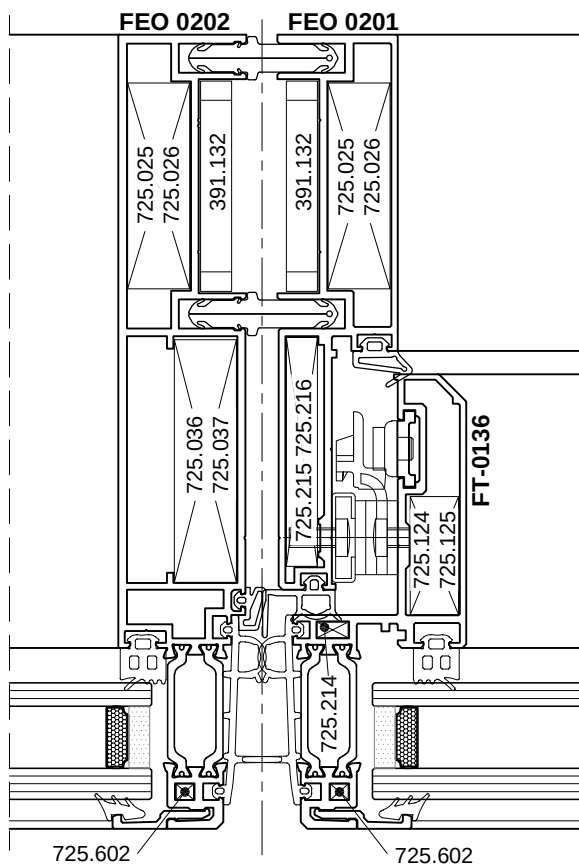
Rasposed kutnika 70 E tip A
Corner bracket placement type A



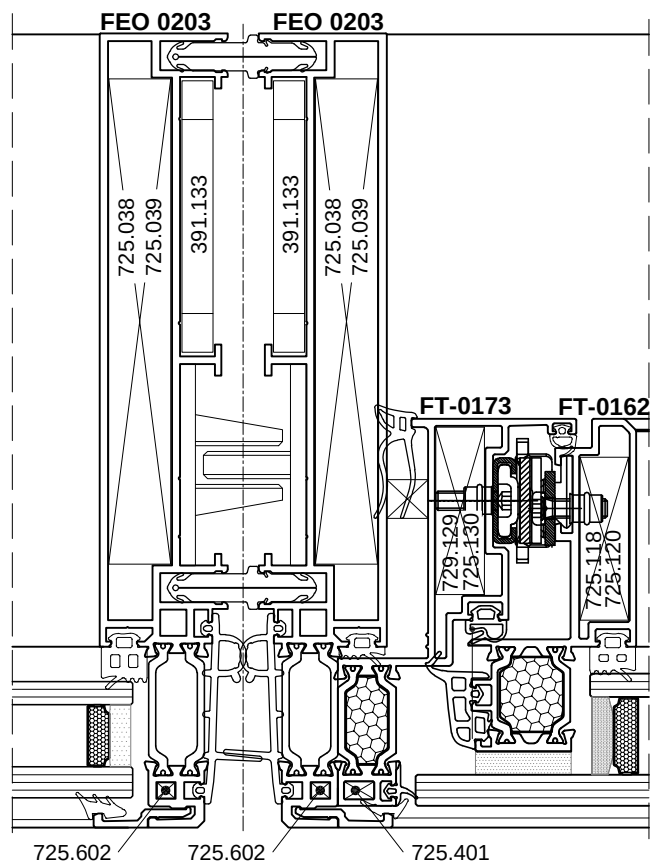
Rasposed kutnika 70 E tip A
Corner bracket placement type A



Rasposed kutnika 70 E tip B
Corner bracket placement type B



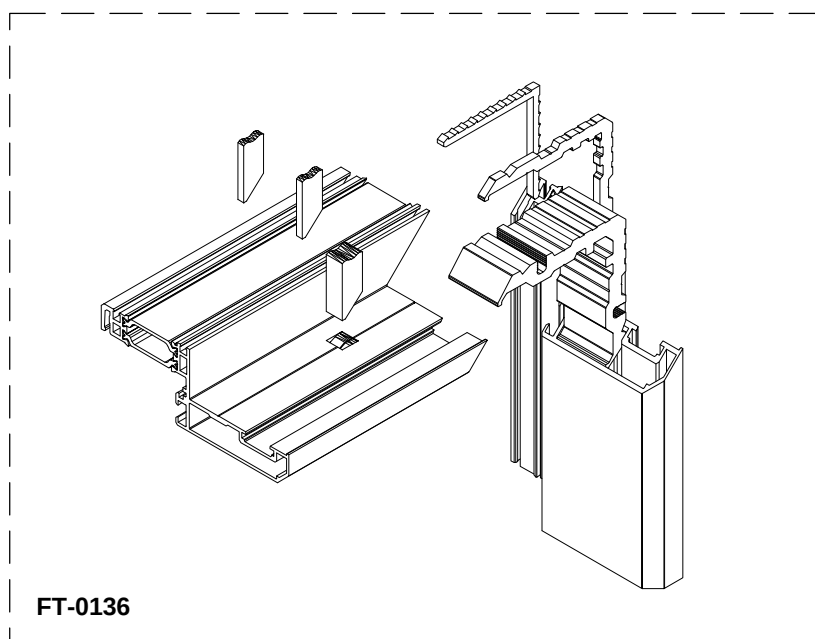
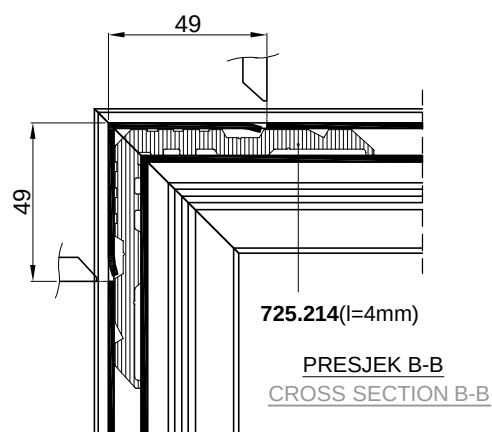
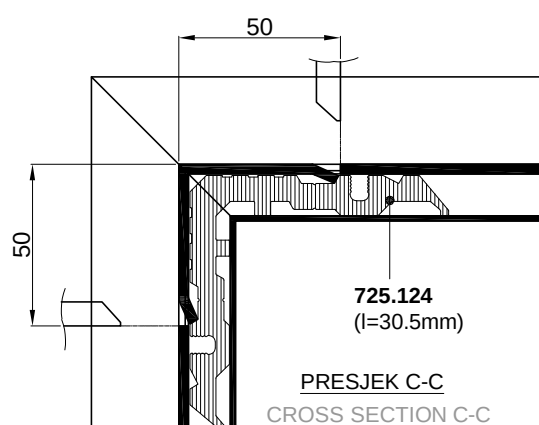
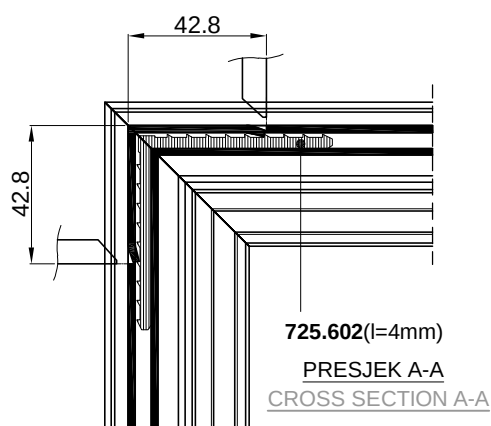
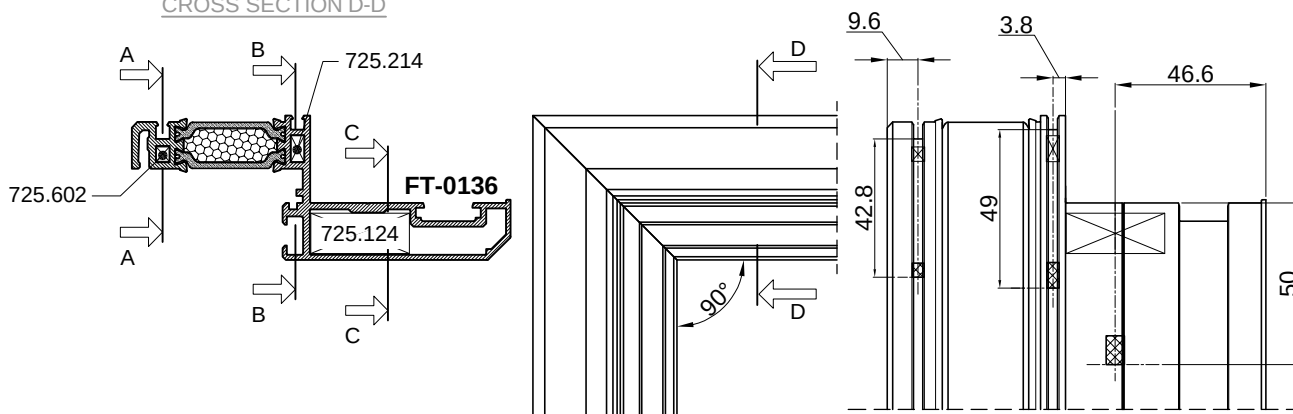
Rasposed kutnika 70 E tip C
Corner bracket placement type C



- UPREŠAVANJE STJENKE PROFILA PREMA KUTNIKU
- ALUMINIUM PROFILE CORNER CRIMPING

PRESJEK D-D

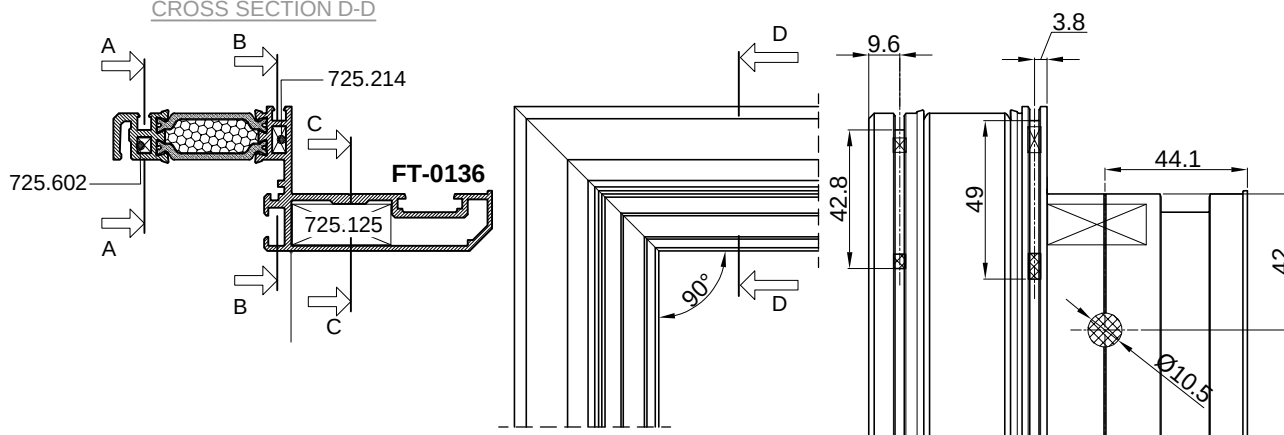
CROSS SECTION D-D



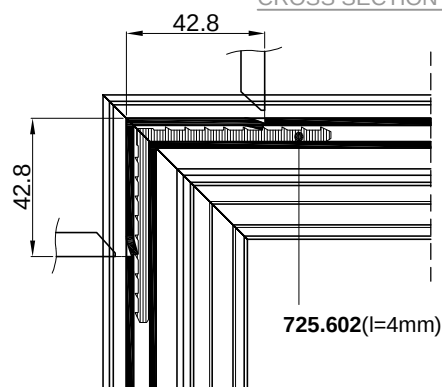
1. STROJNO UPREŠAVANJE
2. RUČNO UPREŠAVANJE- ŠKARAMA
1. MACHINE CORNER CRIMPING
2. MANUAL CORNER CRIMPING

- UPREŠAVANJE STJENKE PROFILA U KUTNIK + VIJČANA VEZA
- ALUMINIUM PROFILE CORNER CRIMPING + SCREW CONNECTION

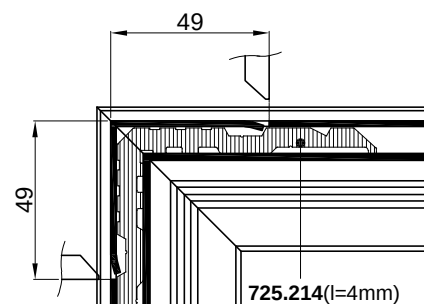
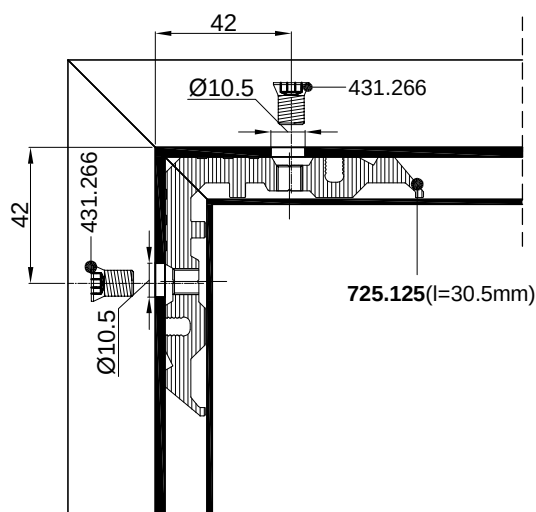
PRESJEK D-D
CROSS SECTION D-D



PRESJEK A-A
CROSS SECTION A-A



PRESJEK C-C
CROSS SECTION C-C

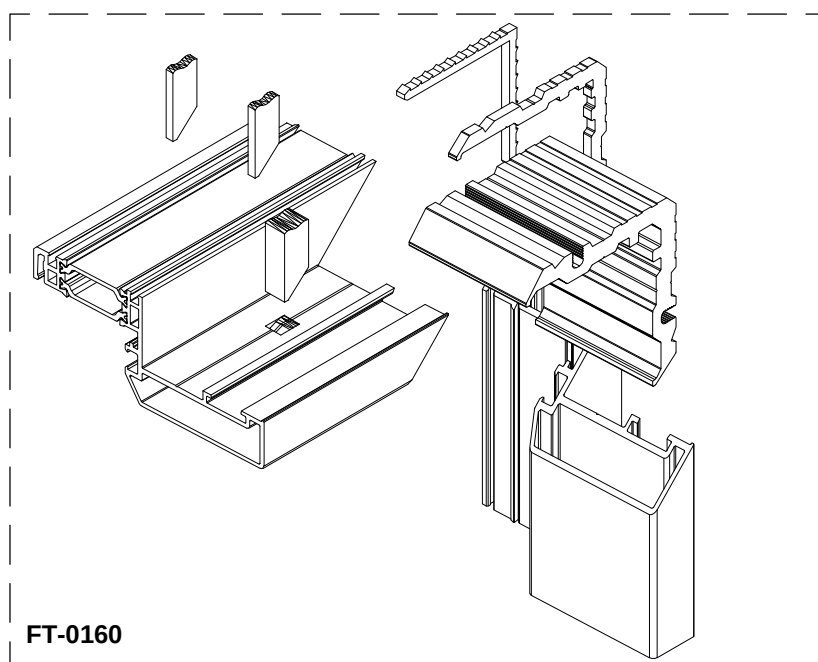
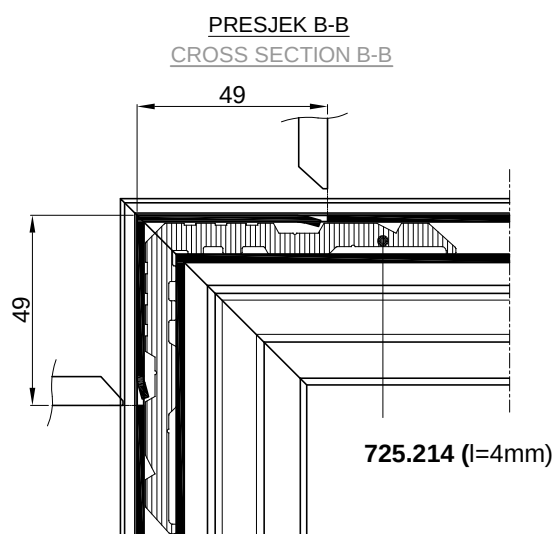
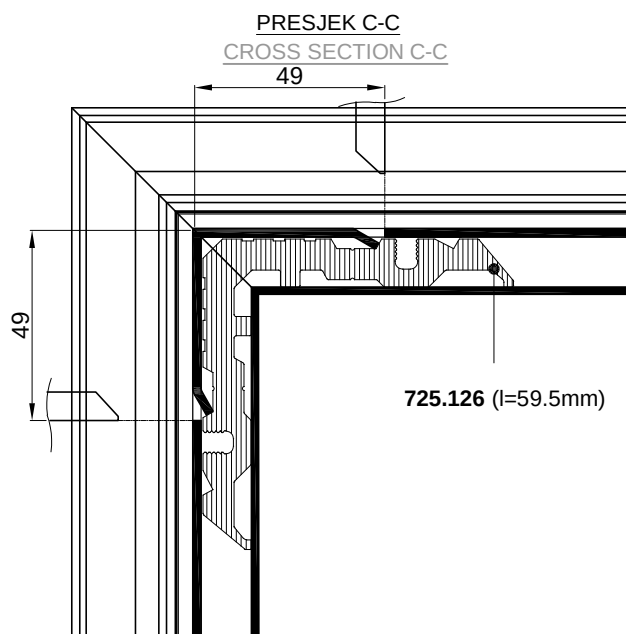
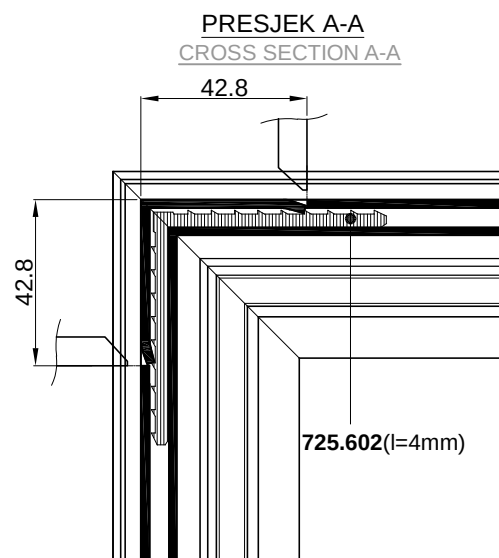
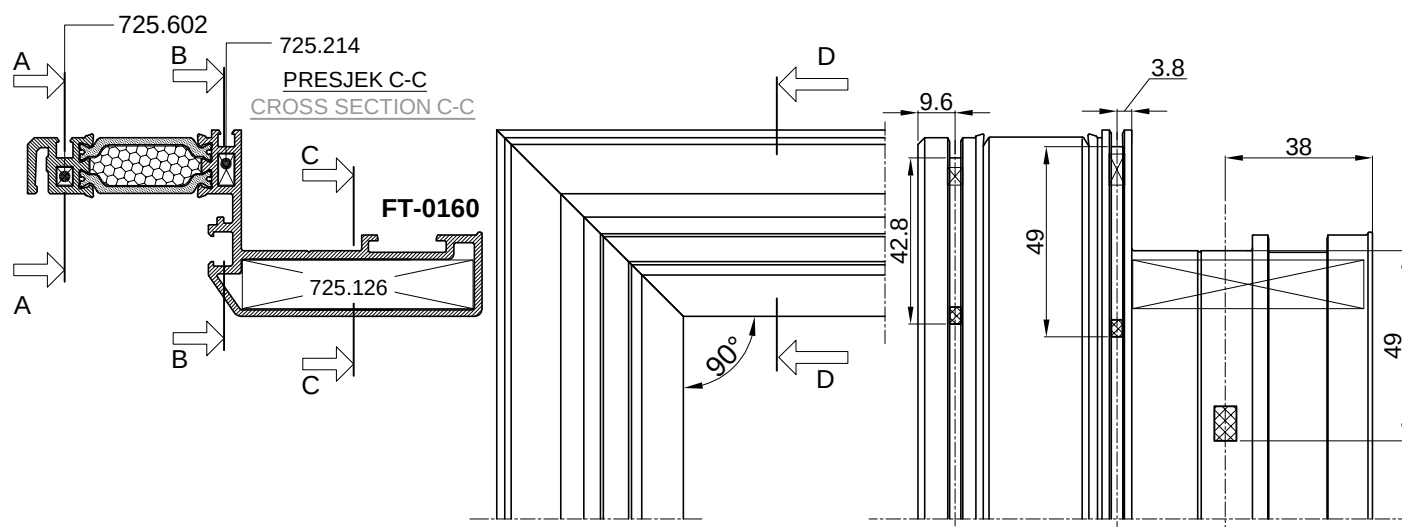


PRESJEK B-B
CROSS SECTION B-B

1. STROJNO UPREŠAVANJE
2. RUČNO UPREŠAVANJE- ŠKARAMA
3. VIJČANA VEZA
1. MACHINE CORNER CRIMPING
2. MANUAL CORNER CRIMPING
3. SCREW CONNECTION

FT-0136

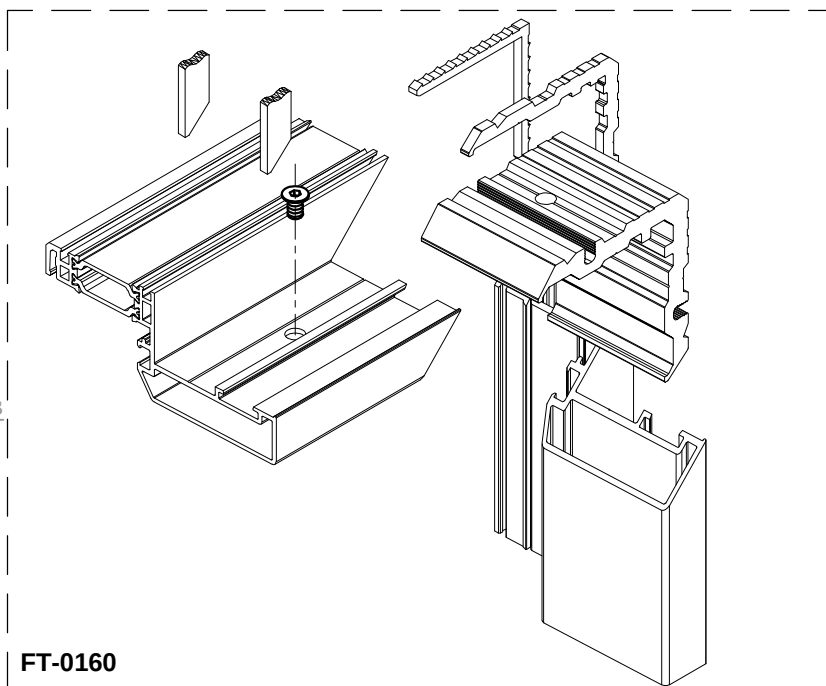
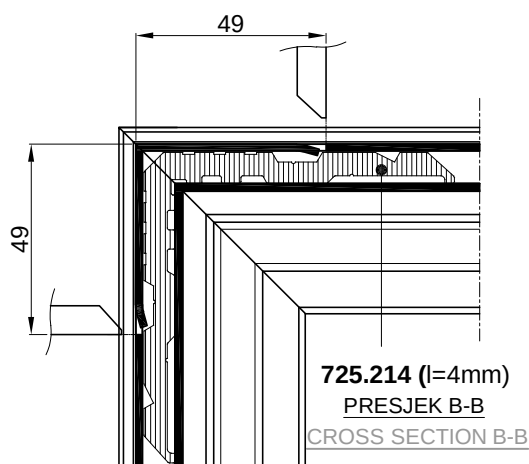
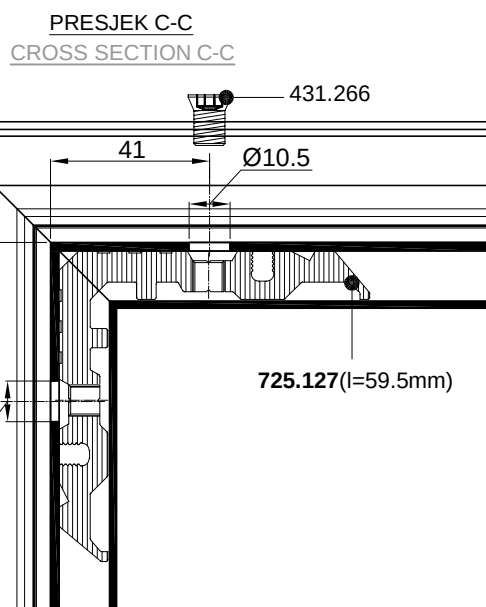
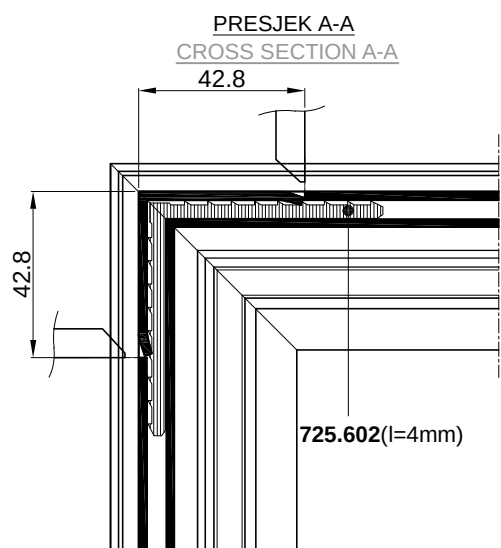
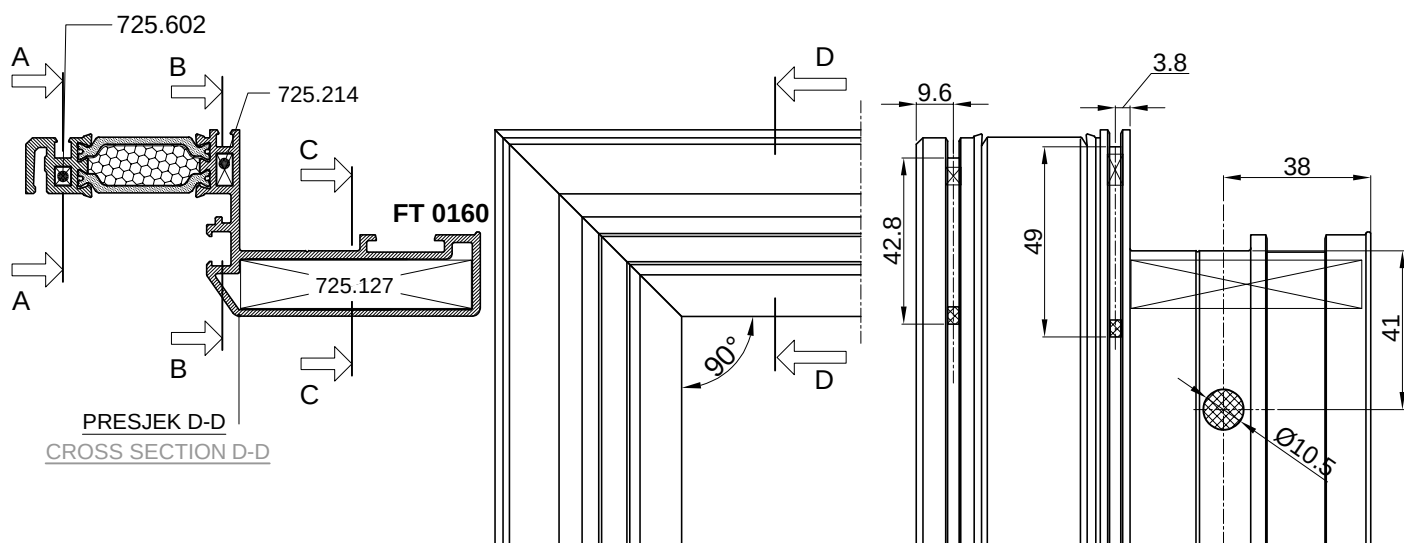
- UPREŠAVANJE STJENKE PROFILA U KUTNIK
- ALUMINIUM PROFILE CORNER CRIMPING



1. STROJNO UPREŠAVANJE
2. RUČNO UPREŠAVANJE- ŠKARAMA
1. MACHINE CORNER CRIMPING
2. MANUAL CORNER CRIMPING

FT-0160

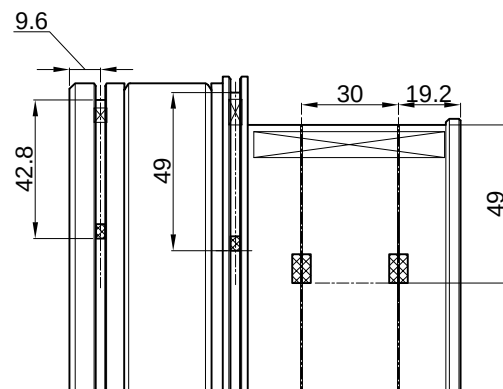
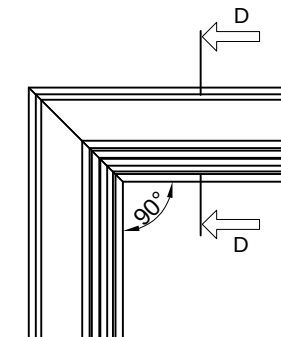
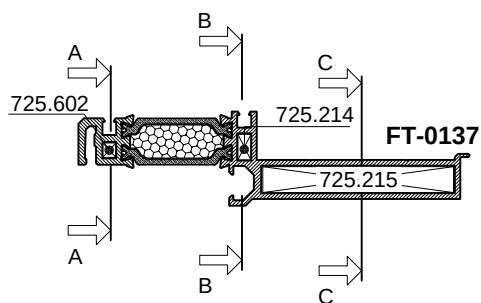
- UPREŠAVANJE STJENKE PROFILA U KUTNIK + VIJČANA VEZA
- ALUMINIUM PROFILE CORNER CRIMPING + SCREW CONNECTION



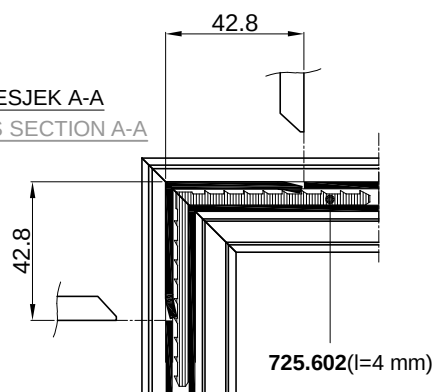
1. STROJNO UPREŠAVANJE
2. RUČNO UPREŠAVANJE
3. VIJČANA VEZA
1. MACHINE CORNER CRIMPING
2. MANUAL CORNER CRIMPING
3. SCREW CONNECTION

- UPREŠAVANJE STJENKE PROFILA U KUTNIK
- ALUMINIUM PROFILE CORNER CRIMPING

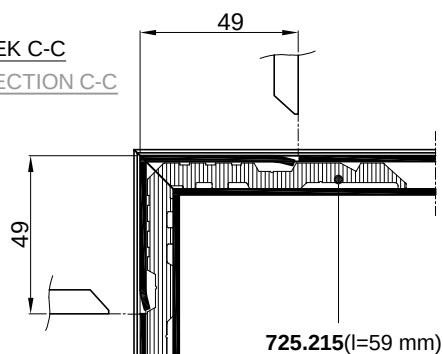
PRESJEK D-D
CROSS SECTION D-D



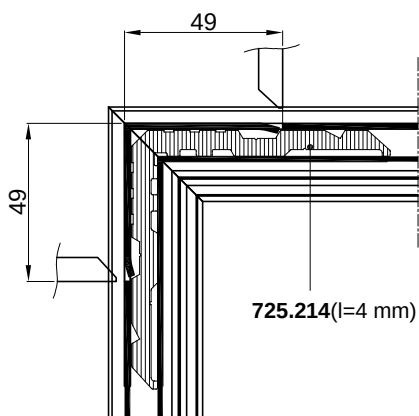
PRESJEK A-A
CROSS SECTION A-A



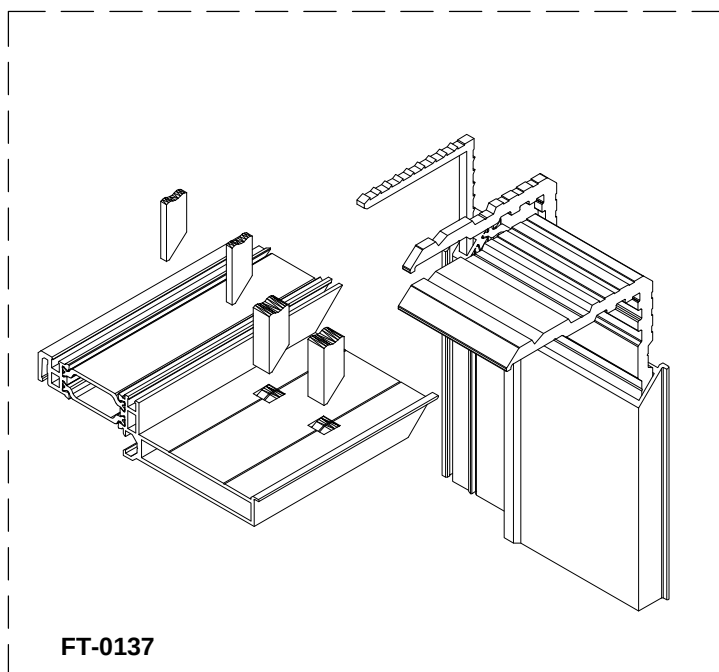
PRESJEK C-C
CROSS SECTION C-C



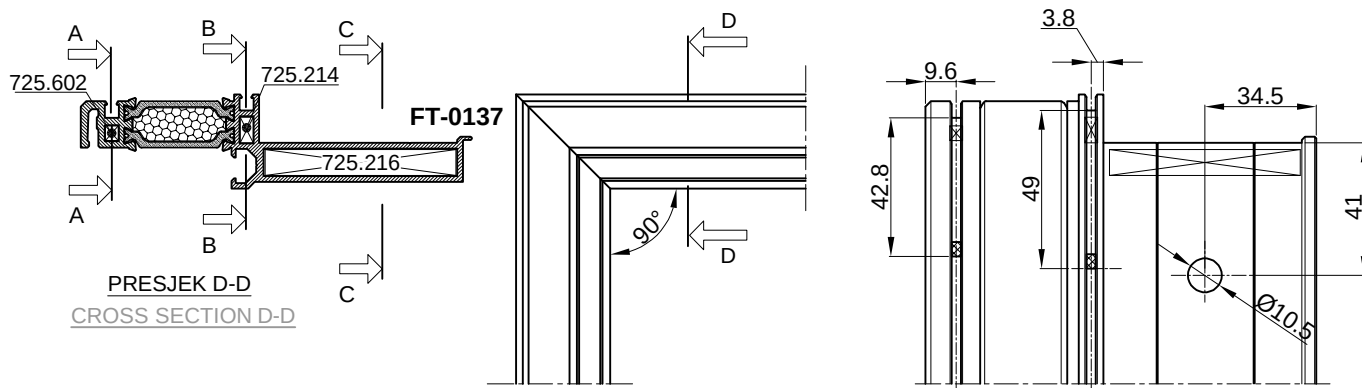
PRESJEK B-B
CROSS SECTION B-B



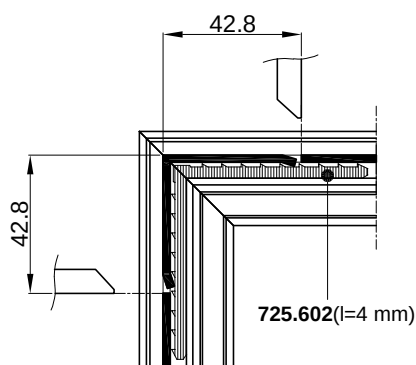
1. STROJNO UPREŠAVANJE
2. RUČNO UPREŠAVANJE
1. MACHINE CORNER CRIMPING
2. MANUAL CORNER CRIMPING



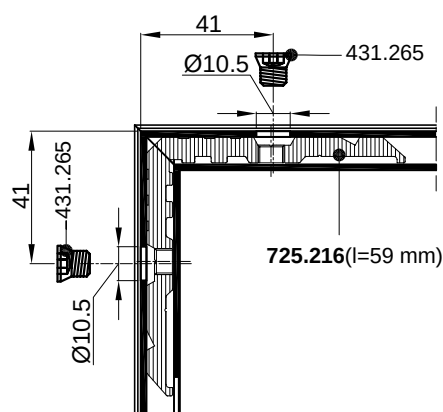
- UPREŠAVANJE STJENKE PROFILA U KUTNIK + VIJČANA VEZA
- ALUMINIUM PROFILE CORNER CRIMPING + SCREW CONNECTION



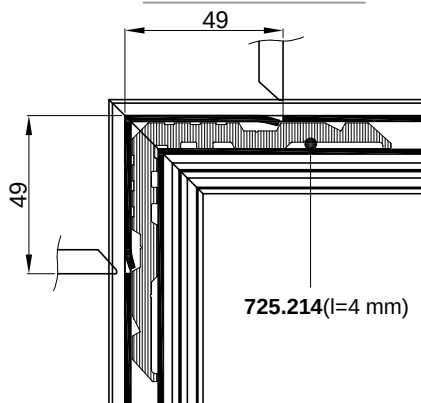
PRESJEK A-A
CROSS SECTION A-A



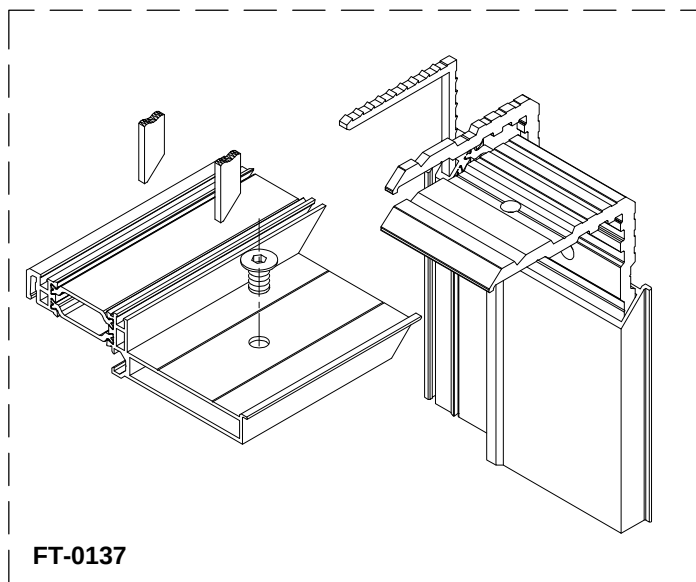
PRESJEK C-C
CROSS SECTION C-C



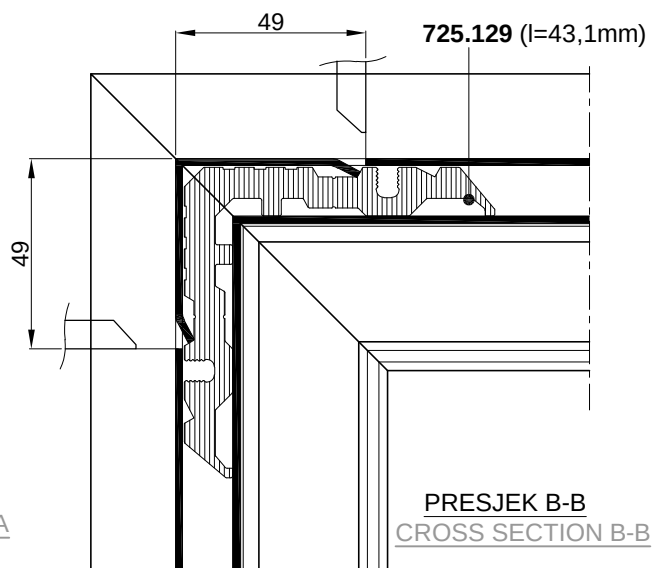
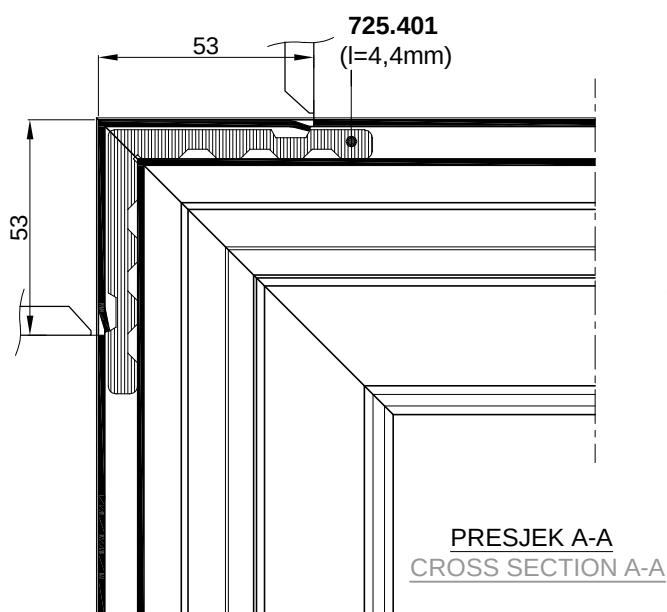
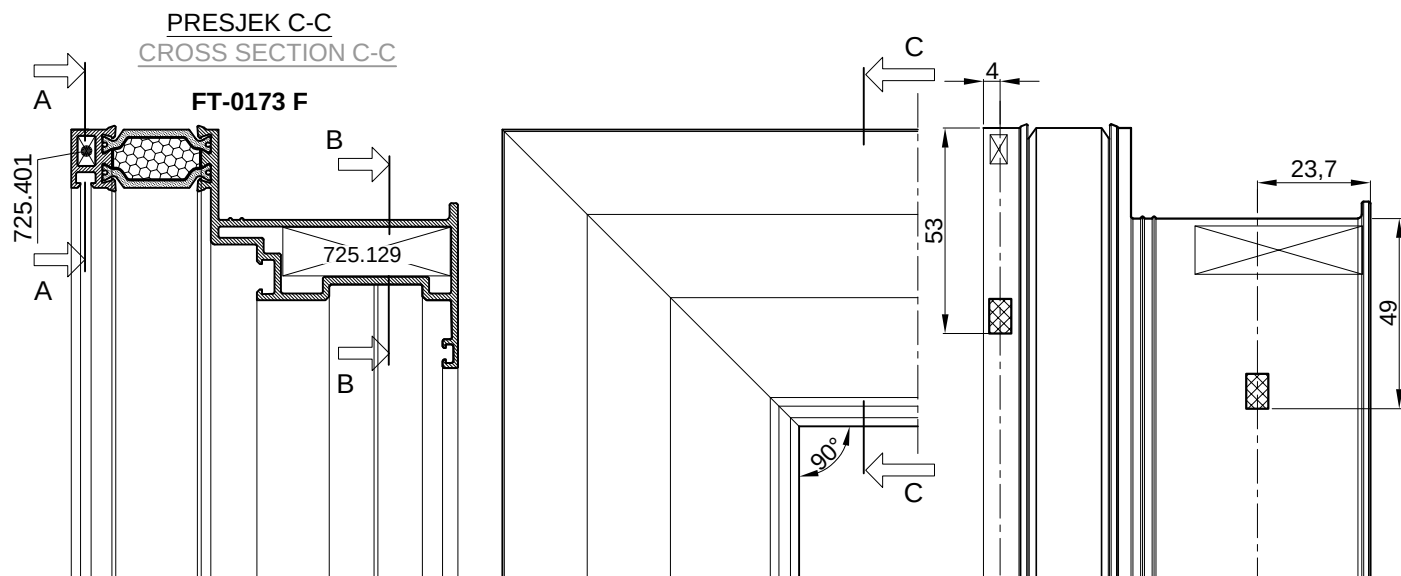
PRESJEK B-B
CROSS SECTION B-B



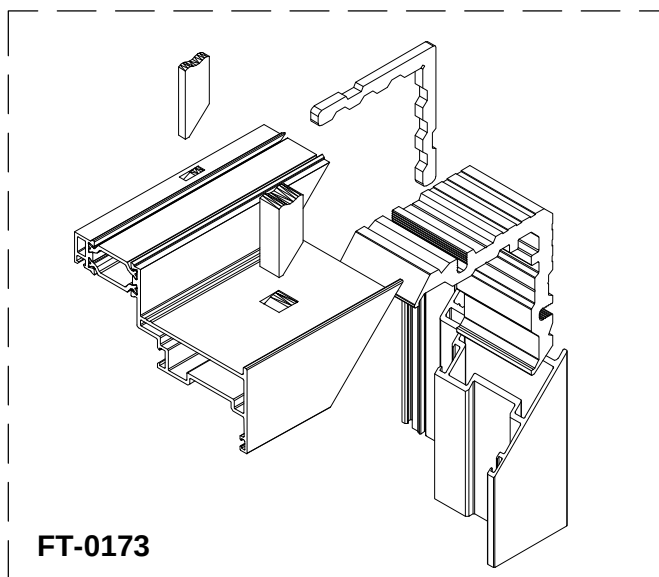
1. STROJNO UPREŠAVANJE
2. RUČNO UPREŠAVANJE
1. MACHINE CORNER CRIMPING
2. MANUAL CORNER CRIMPING



- UPREŠAVANJE STJENKE PROFILA U KUTNIK
- ALUMINIUM PROFILE CORNER CRIMPING

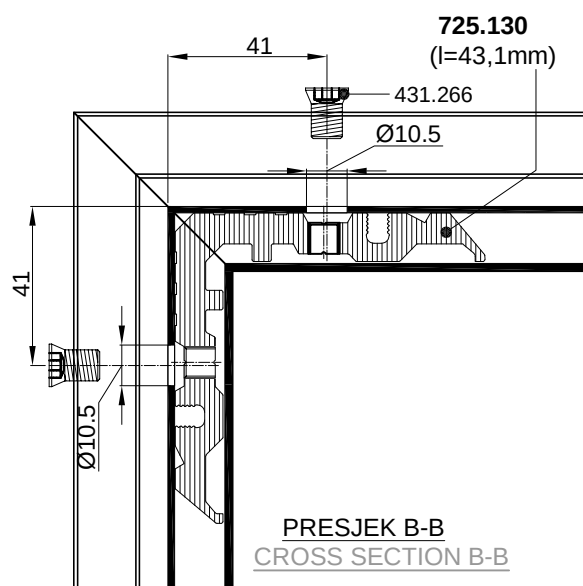
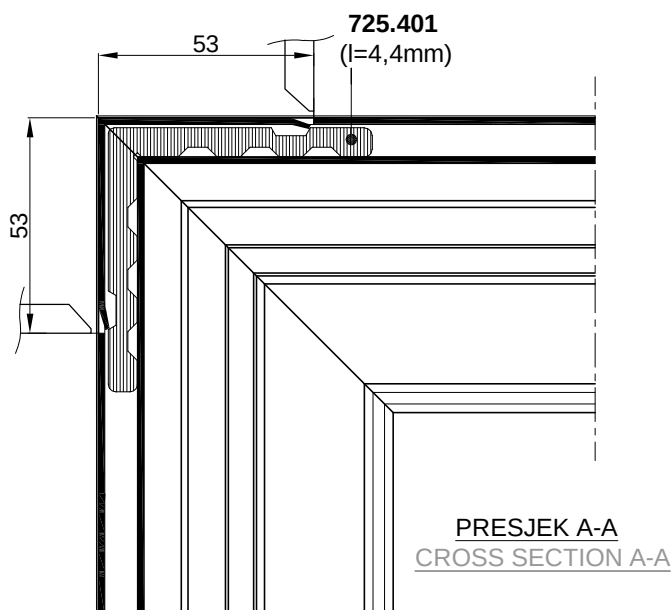
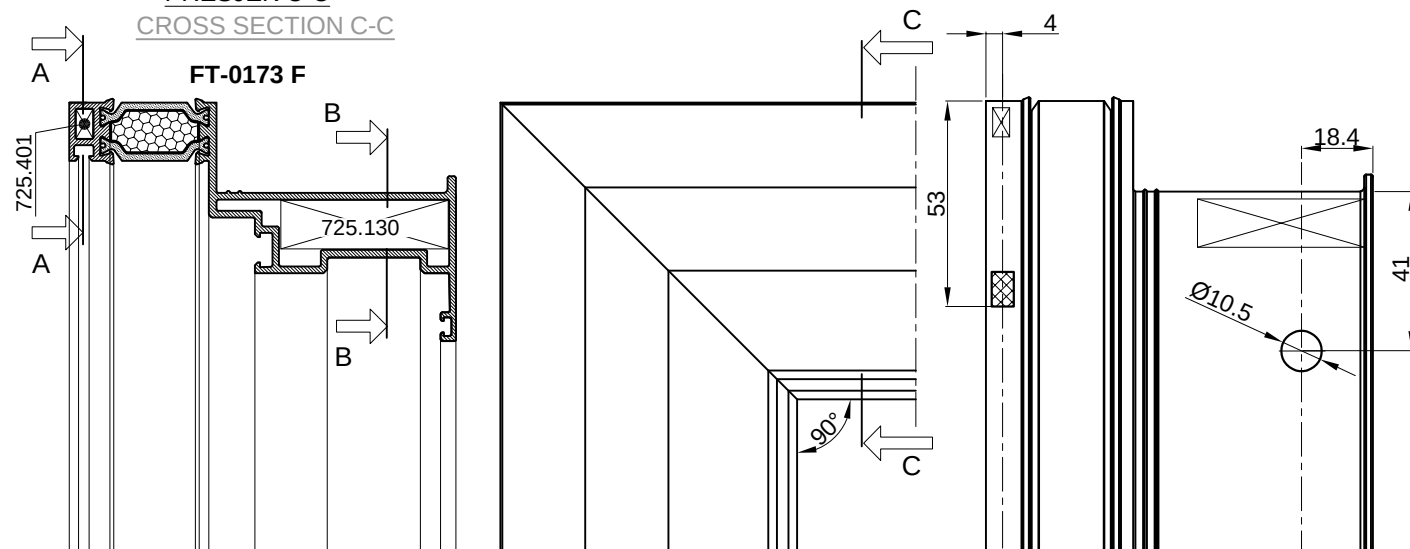


1. STROJNO UPREŠAVANJE
2. RUČNO UPREŠAVANJE
1. MACHINE CORNER CRIMPING
2. MANUAL CORNER CRIMPING

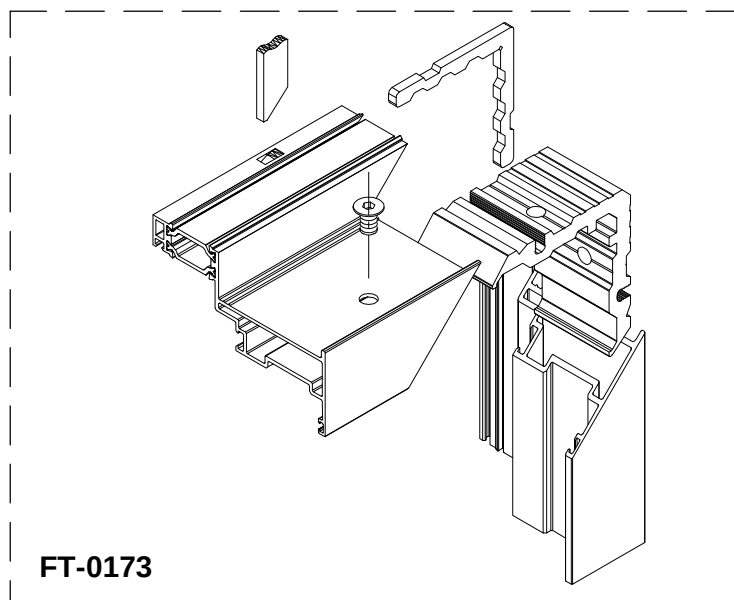


- UPREŠAVANJE STJENKE PROFILA U KUTNIK + VIJČANA VEZA
- ALUMINIUM PROFILE CORNER CRIMPING + SCREW CONNECTION

PRESJEK C-C
CROSS SECTION C-C

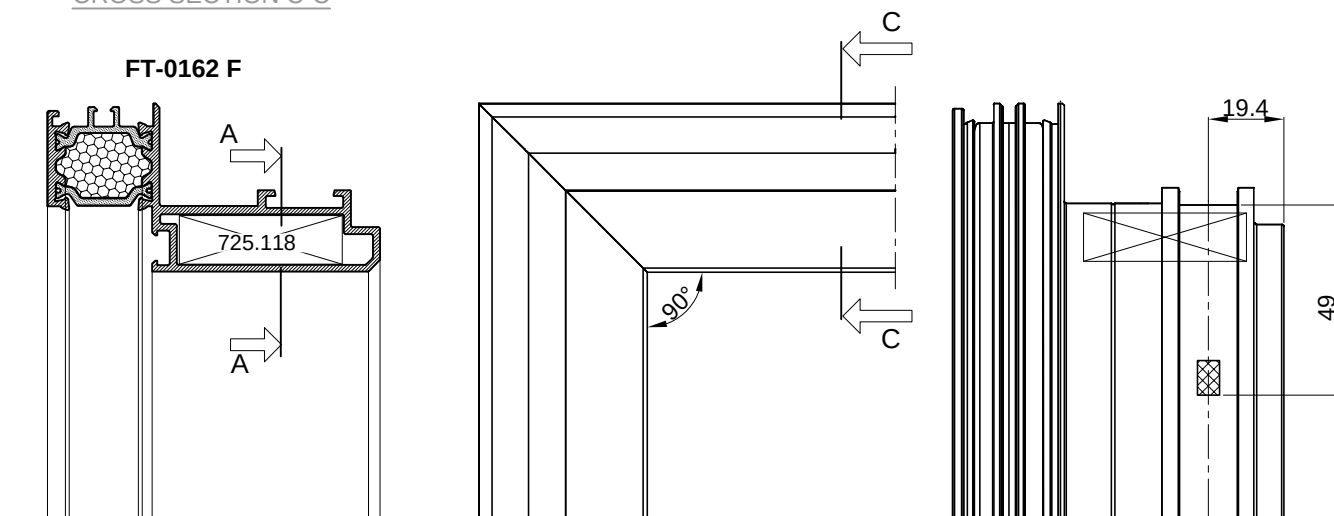


1. STROJNO UPREŠAVANJE
2. RUČNO UPREŠAVANJE
3. VIJČANA VEZA
1. MACHINE CORNER CRIMPING
2. MANUAL CORNER CRIMPING
3. SCREW CONNECTION

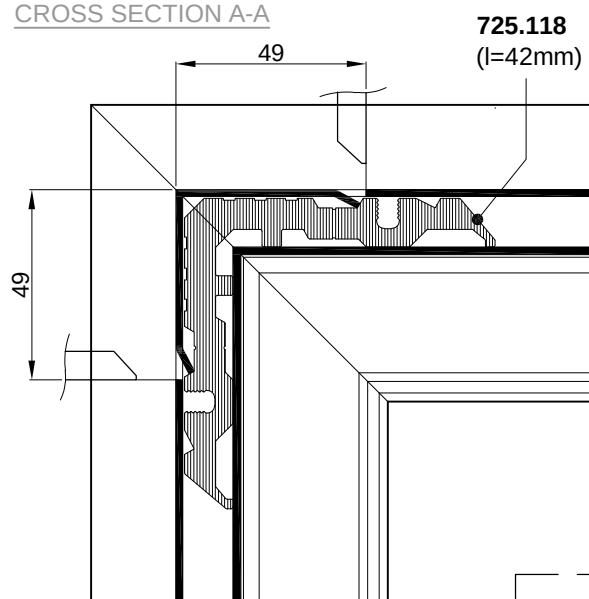


- UPREŠAVANJE STJENKE PROFILA U KUTNIK
- ALUMINIUM PROFILE CORNER CRIMPING

PRESJEK C-C
CROSS SECTION C-C

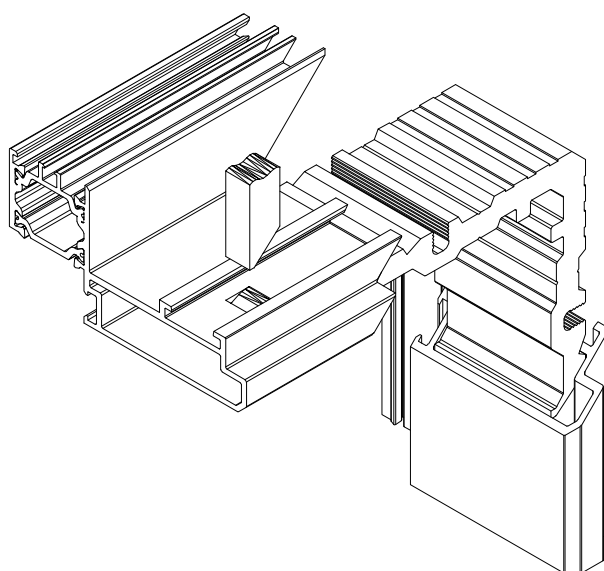


PRESJEK A-A
CROSS SECTION A-A



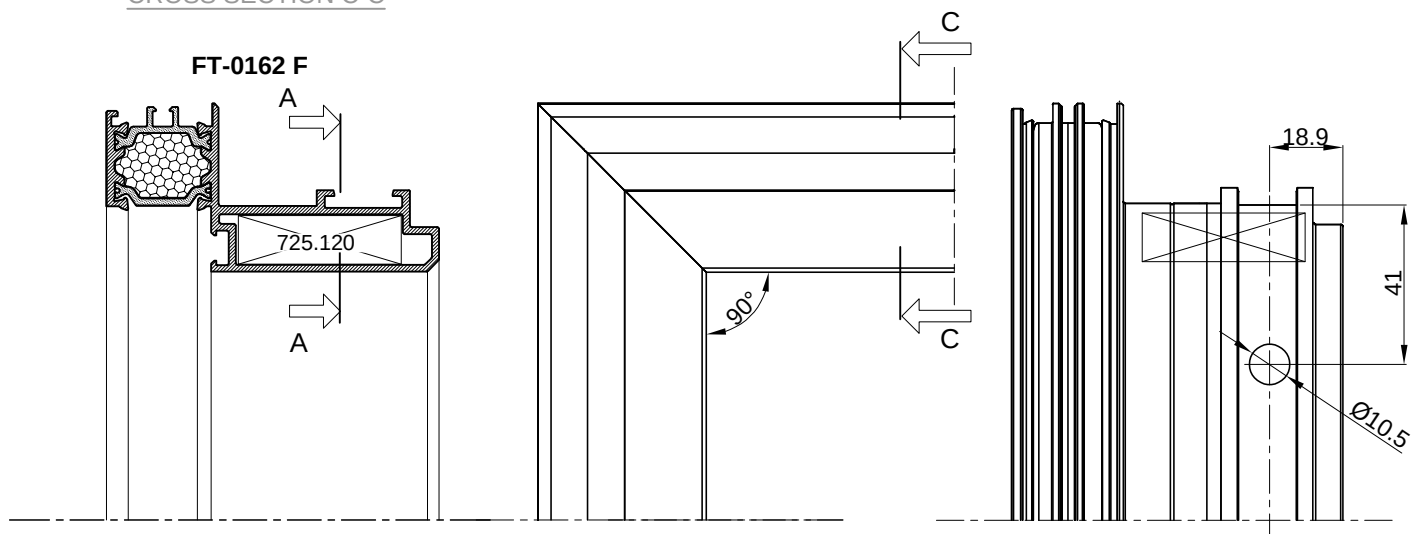
1. STROJNO UPREŠAVANJE
2. RUČNO UPREŠAVANJE
1. MACHINE CORNER CRIMPING
2. MANUAL CORNER CRIMPING

FT-0162

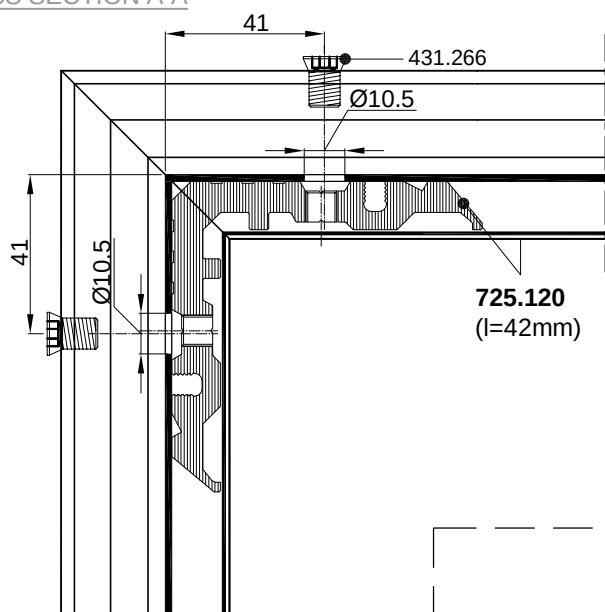


- SPAJANJE PROFILA U KUTNIK VIJČANA VEZA
- ALUMINIUM PROFILE CORNER SCREW CONNECTION

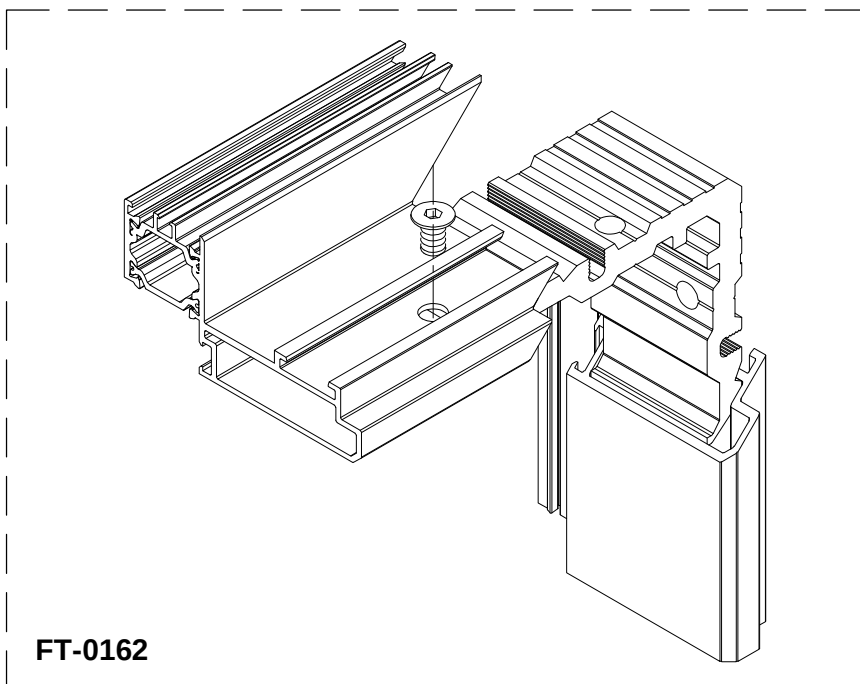
PRESJEK C-C
CROSS SECTION C-C



PRESJEK A-A
CROSS SECTION A-A

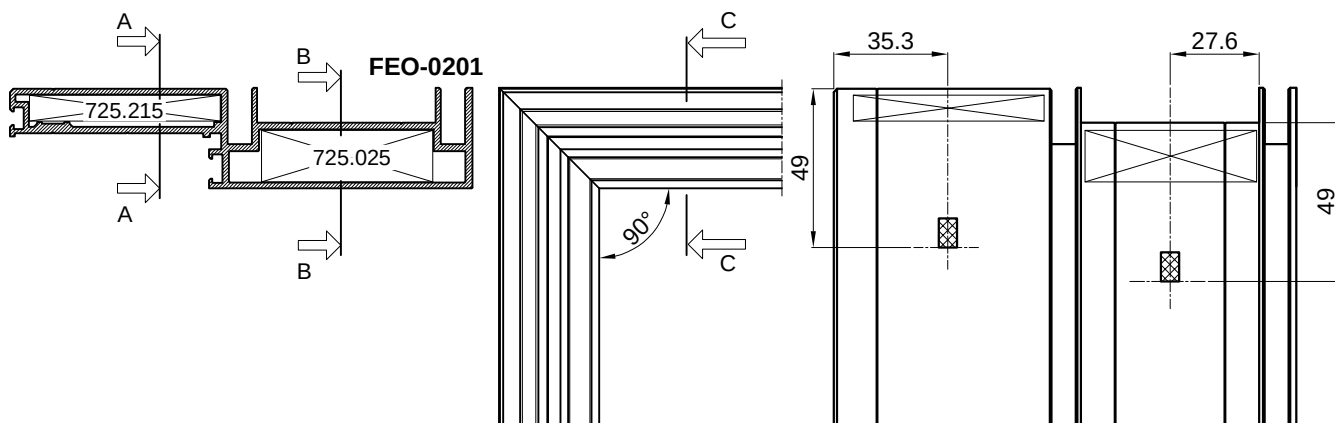


1. VIJČANA VEZA
1. SCREW CONNECTION

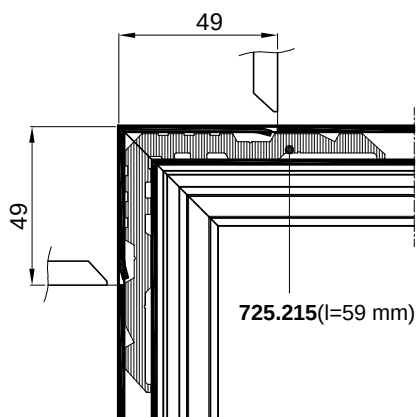


- UPREŠAVANJE STJENKE PROFILA U KUTNIK
- ALUMINIUM PROFILE CORNER CRIMPING

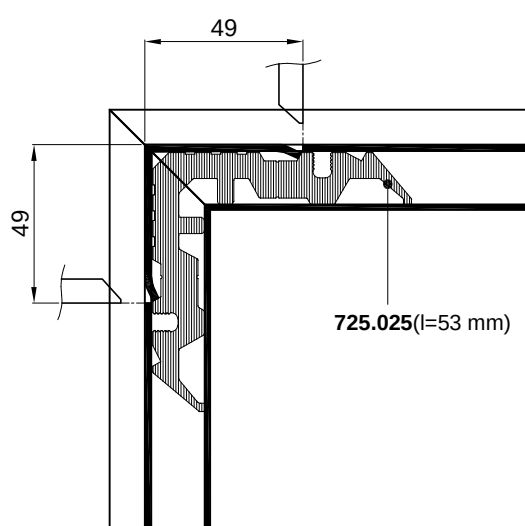
PRESJEK C-C
CROSS SECTION C-C



PRESJEK A-A
CROSS SECTION A-A



PRESJEK B-B
CROSS SECTION B-B

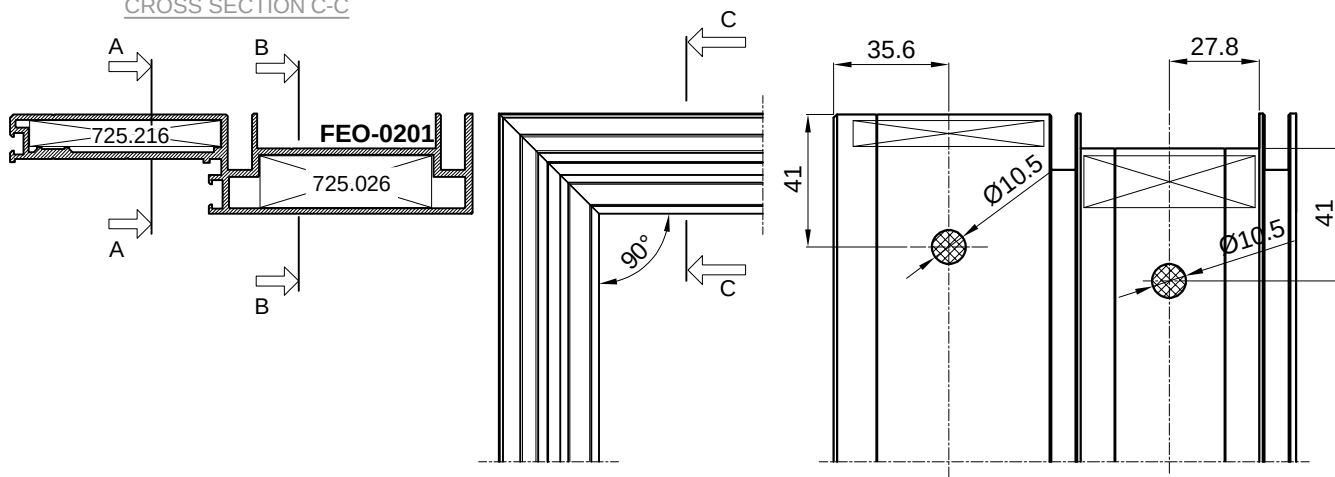


1. STROJNO UPREŠAVANJE
2. RUČNO UPREŠAVANJE-ŠKARAMA
1. MACHINE CORNER CRIMPING
2. MANUAL CORNER CRIMPING

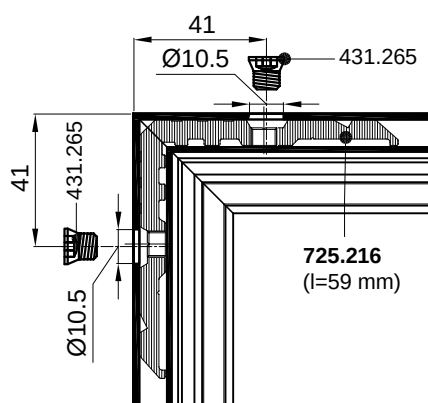
FEO-0201

- UPREŠAVANJE STJENKE PROFILA U KUTNIK + VIJČANA VEZA
- ALUMINIUM PROFILE CORNER CRIMPING + SCREW CONNECTION

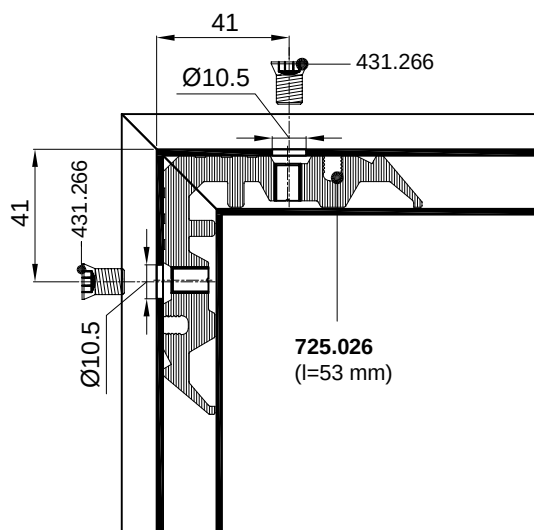
PRESJEK C-C
CROSS SECTION C-C



PRESJEK A-A
CROSS SECTION A-A



PRESJEK B-B
CROSS SECTION B-B

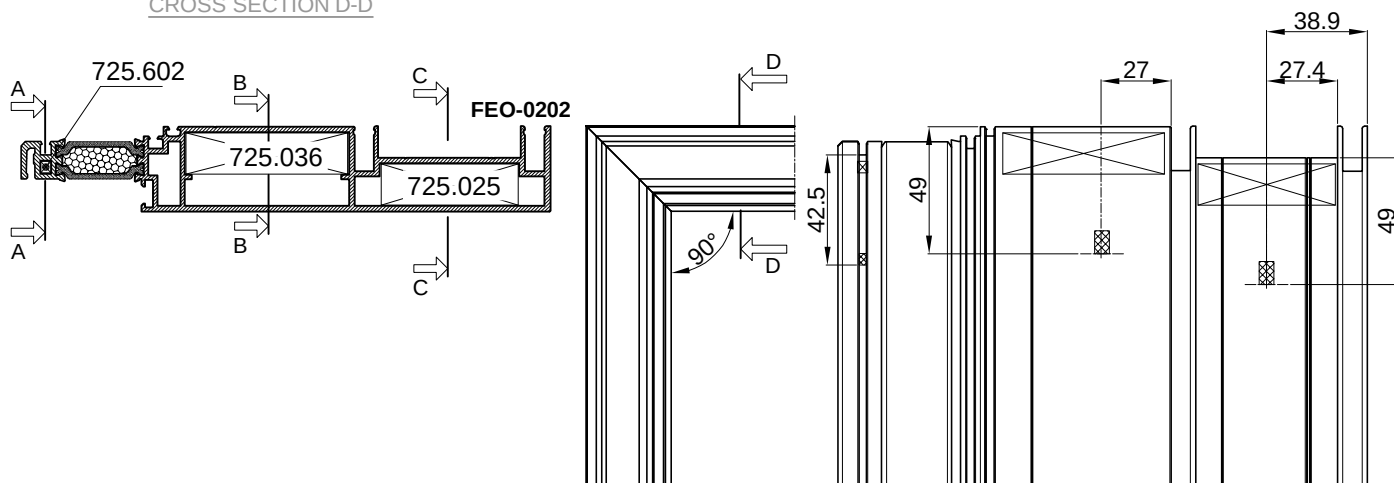


1. VIJČANA VEZA
1. SCREW CONNECTION

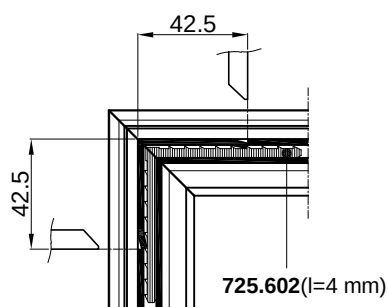
FE0-0201

- UPREŠAVANJE STJENKE PROFILA U KUTNIK
- ALUMINIUM PROFILE CORNER CRIMPING

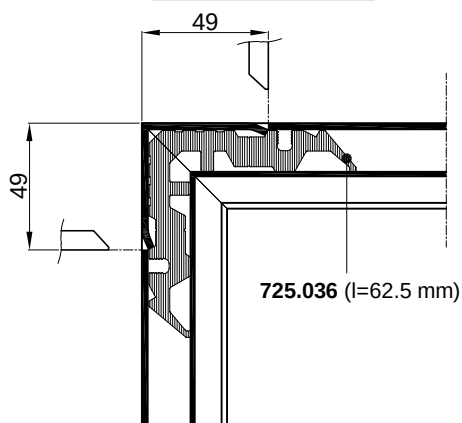
PRESJEK D-D
CROSS SECTION D-D



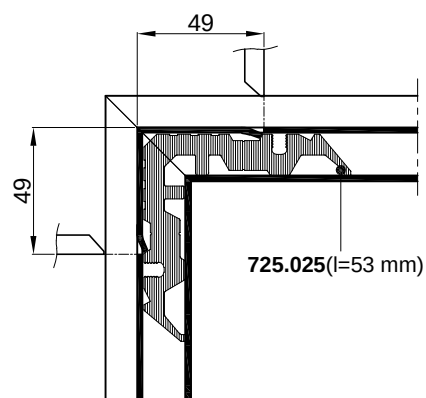
PRESJEK A-A
CROSS SECTION A-A



PRESJEK B-B
CROSS SECTION B-B

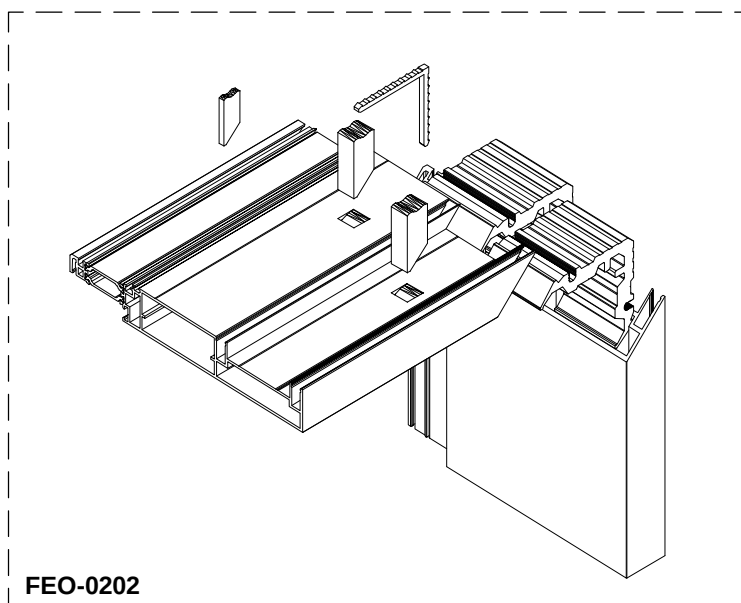


PRESJEK C-C
CROSS SECTION C-C



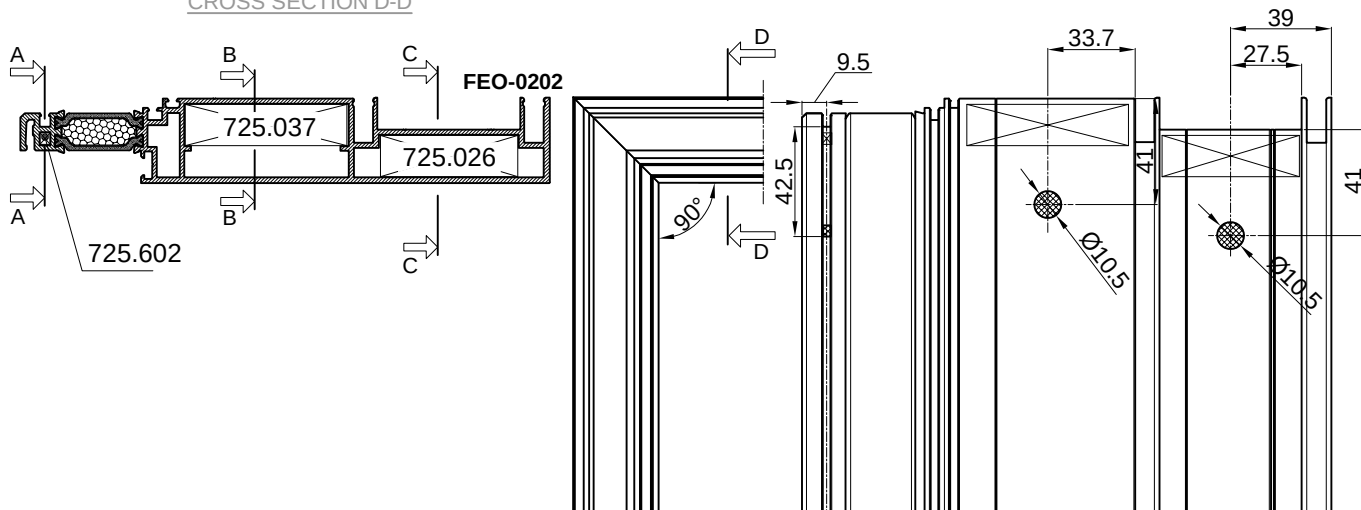
1. STROJNO UPREŠAVANJE
2. RUČNO UPREŠAVANJE
1. MACHINE CORNER CRIMPING
2. MANUAL CORNER CRIMPING

FEO-0202

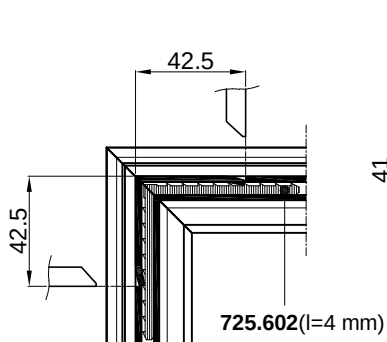


- UPREŠAVANJE STJENKE PROFILA U KUTNIK + VIJČANA VEZA
- ALUMINIUM PROFILE CORNER CRIMPING + SCREW CONNECTION

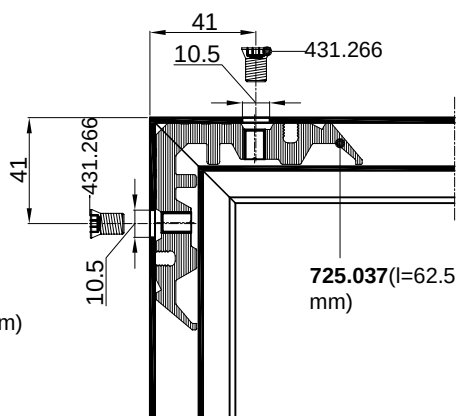
PRESJEK D-D
CROSS SECTION D-D



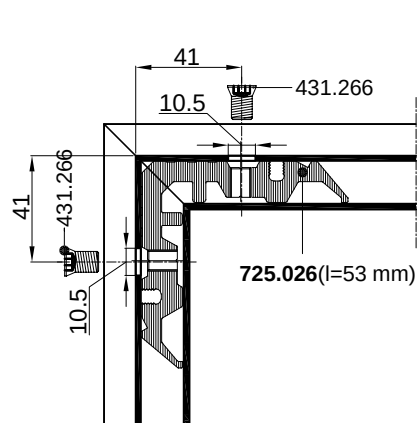
PRESJEK A-A
CROSS SECTION A-A



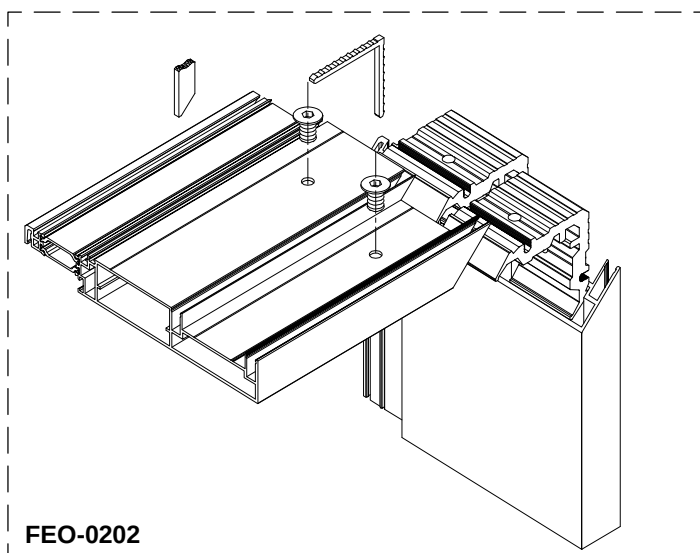
PRESJEK B-B
CROSS SECTION B-B



PRESJEK C-C
CROSS SECTION C-C

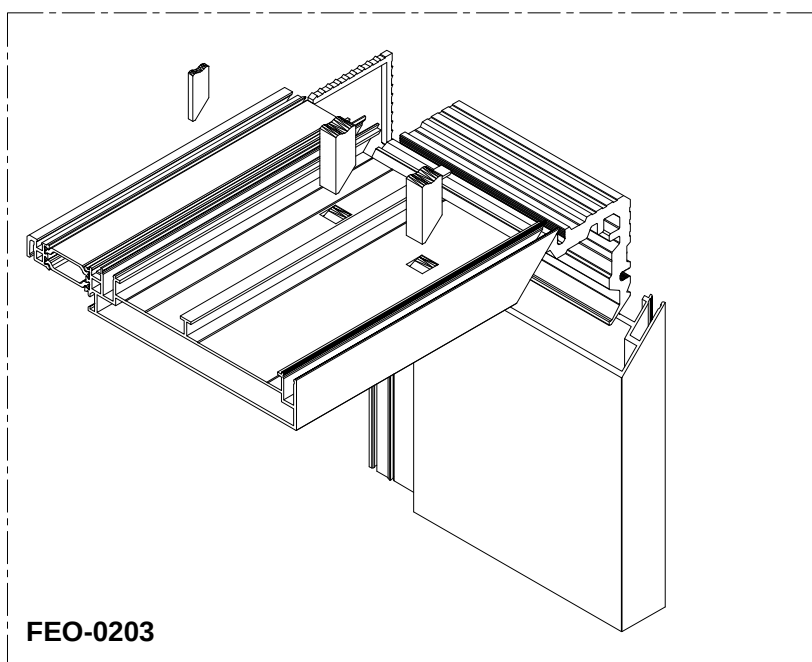
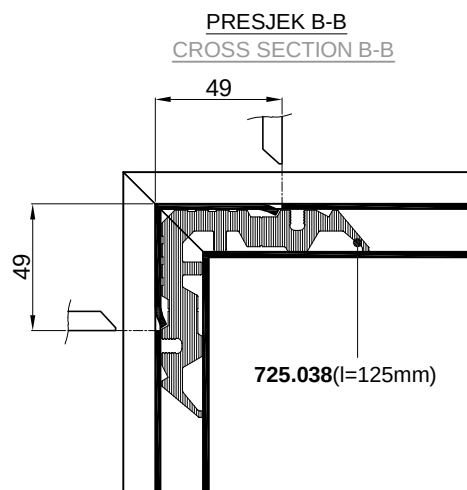
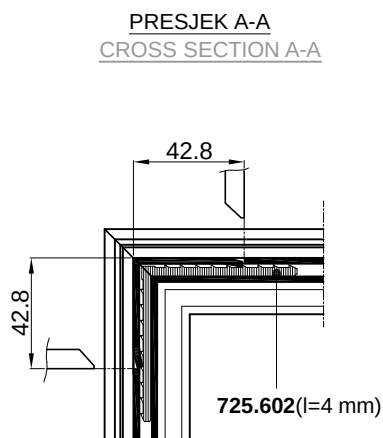
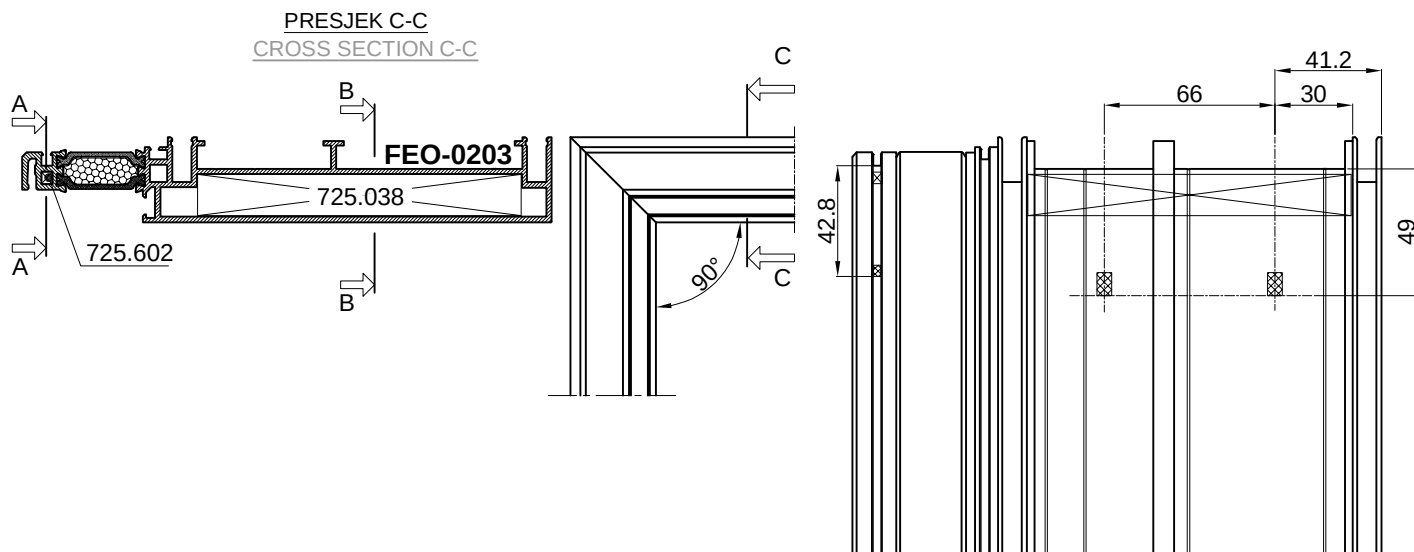


1. STROJNO UPREŠAVANJE
2. RUČNO UPREŠAVANJE
3. VIJČANA VEZA
1. MACHINE CORNER CRIMPING
2. MANUAL CORNER CRIMPING
3. SCREW CONNECTION



FE0-0202

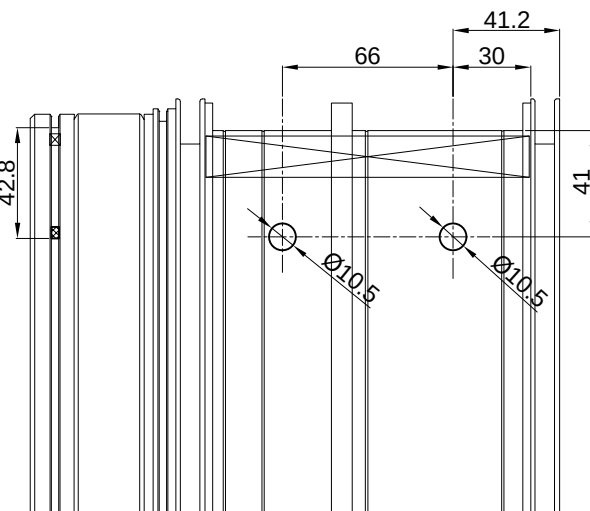
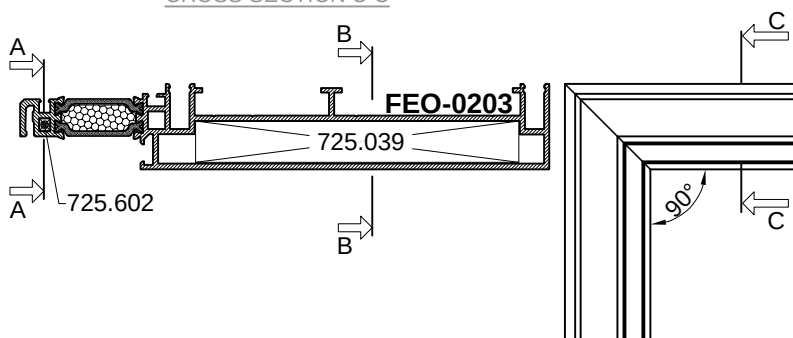
- UPREŠAVANJE STJENKE PROFILA U KUTNIK
- ALUMINIUM PROFILE CORNER CRIMPING



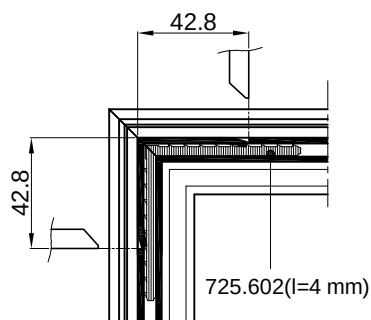
1. STROJNO UPREŠAVANJE
2. RUČNO UPREŠAVANJE
1. MACHINE CORNER CRIMPING
2. MANUAL CORNER CRIMPING

- UPREŠAVANJE STJENKE PROFILA U KUTNIK + VIJČANA VEZA
- ALUMINIUM PROFILE CORNER CRIMPING + SCREW CONNECTION

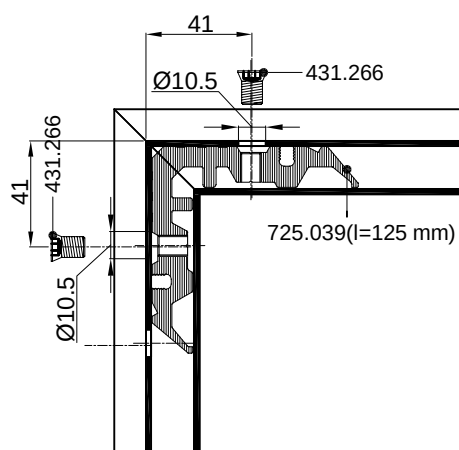
PRESJEK C-C
CROSS SECTION C-C



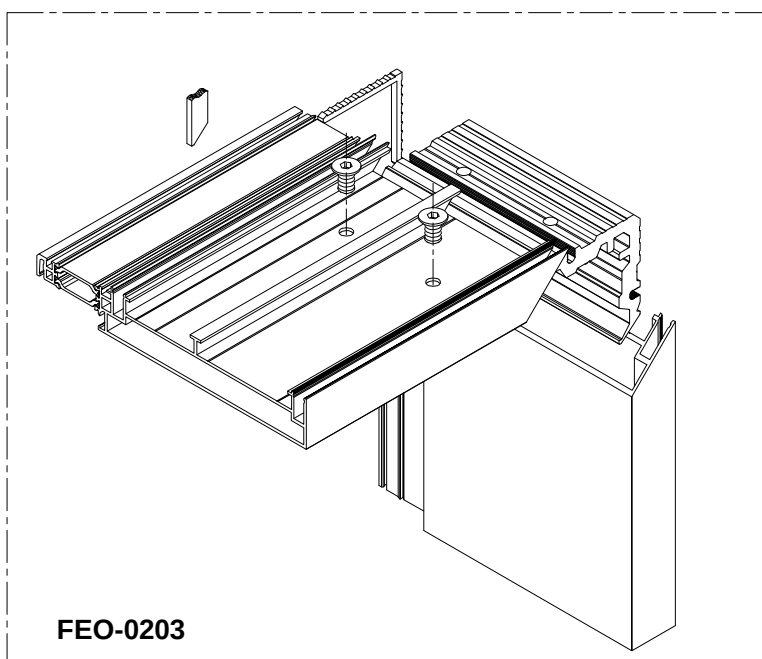
PRESJEK A-A
CROSS SECTION A-A



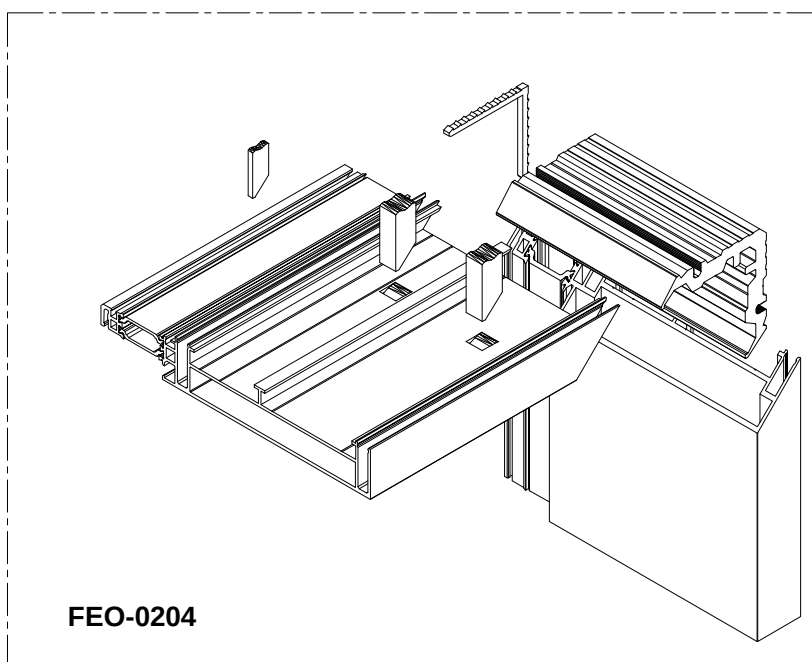
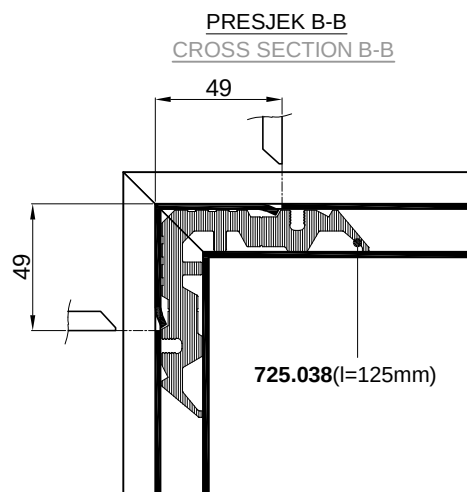
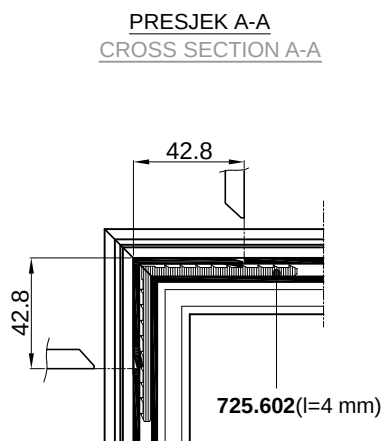
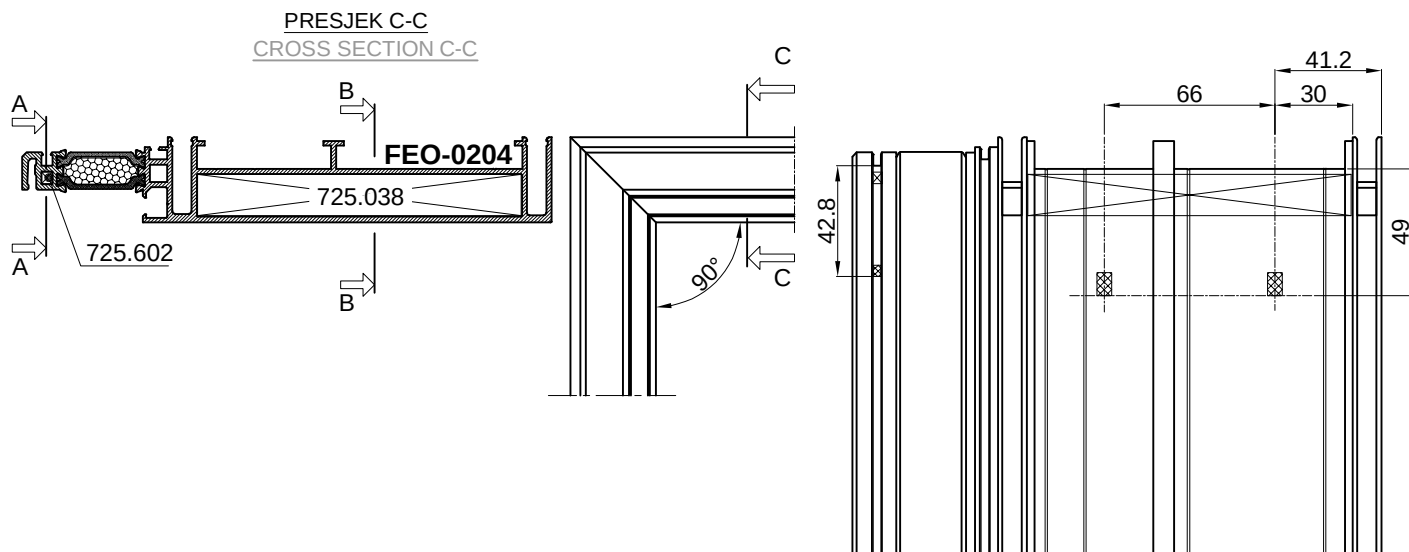
PRESJEK B-B
CROSS SECTION B-B



1. STROJNO UPREŠAVANJE
2. RUČNO UPREŠAVANJE
3. VIJČANA VEZA
1. MACHINE CORNER CRIMPING
2. MANUAL CORNER CRIMPING
3. SCREW CONNECTION



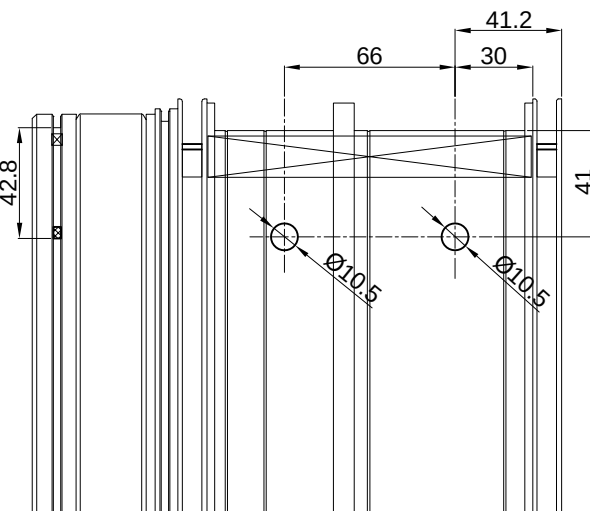
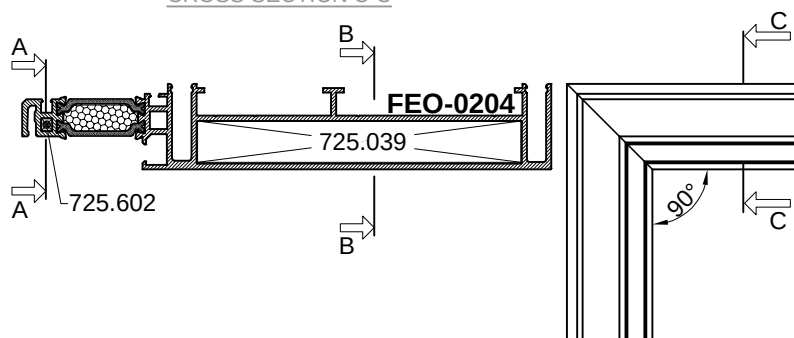
- UPREŠAVANJE STJENKE PROFILA U KUTNIK
- ALUMINIUM PROFILE CORNER CRIMPING



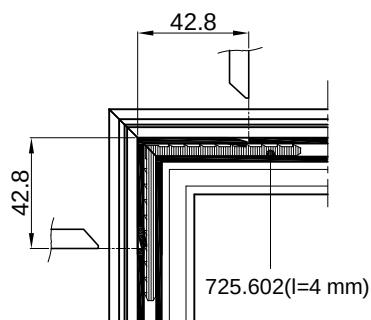
1. STROJNO UPREŠAVANJE
2. RUČNO UPREŠAVANJE
1. MACHINE CORNER CRIMPING
2. MANUAL CORNER CRIMPING

- UPREŠAVANJE STJENKE PROFILA U KUTNIK + VIJČANA VEZA
- ALUMINIUM PROFILE CORNER CRIMPING + SCREW CONNECTION

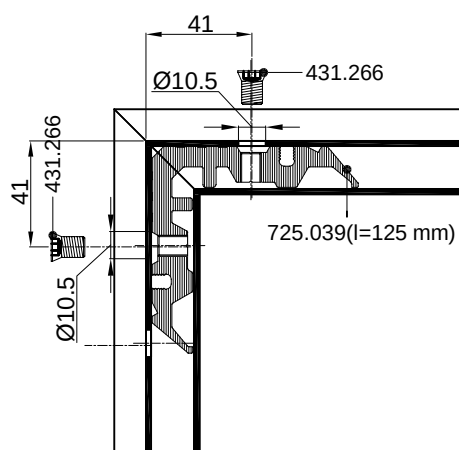
PRESJEK C-C
CROSS SECTION C-C



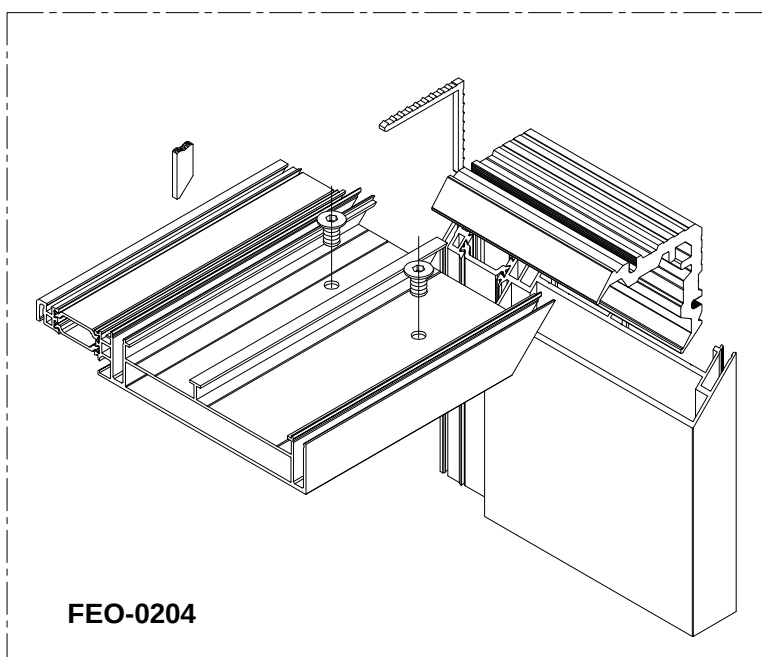
PRESJEK A-A
CROSS SECTION A-A

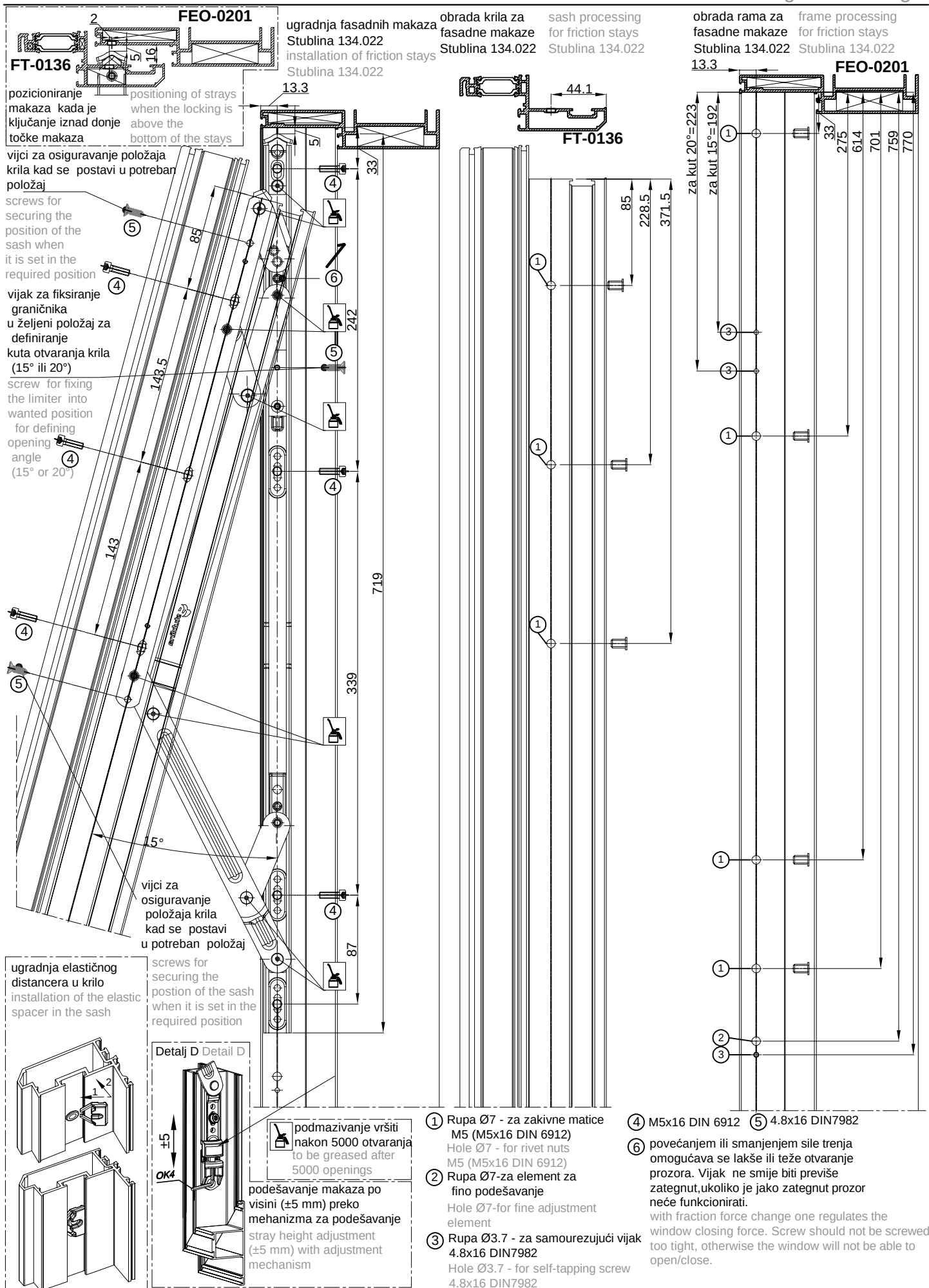


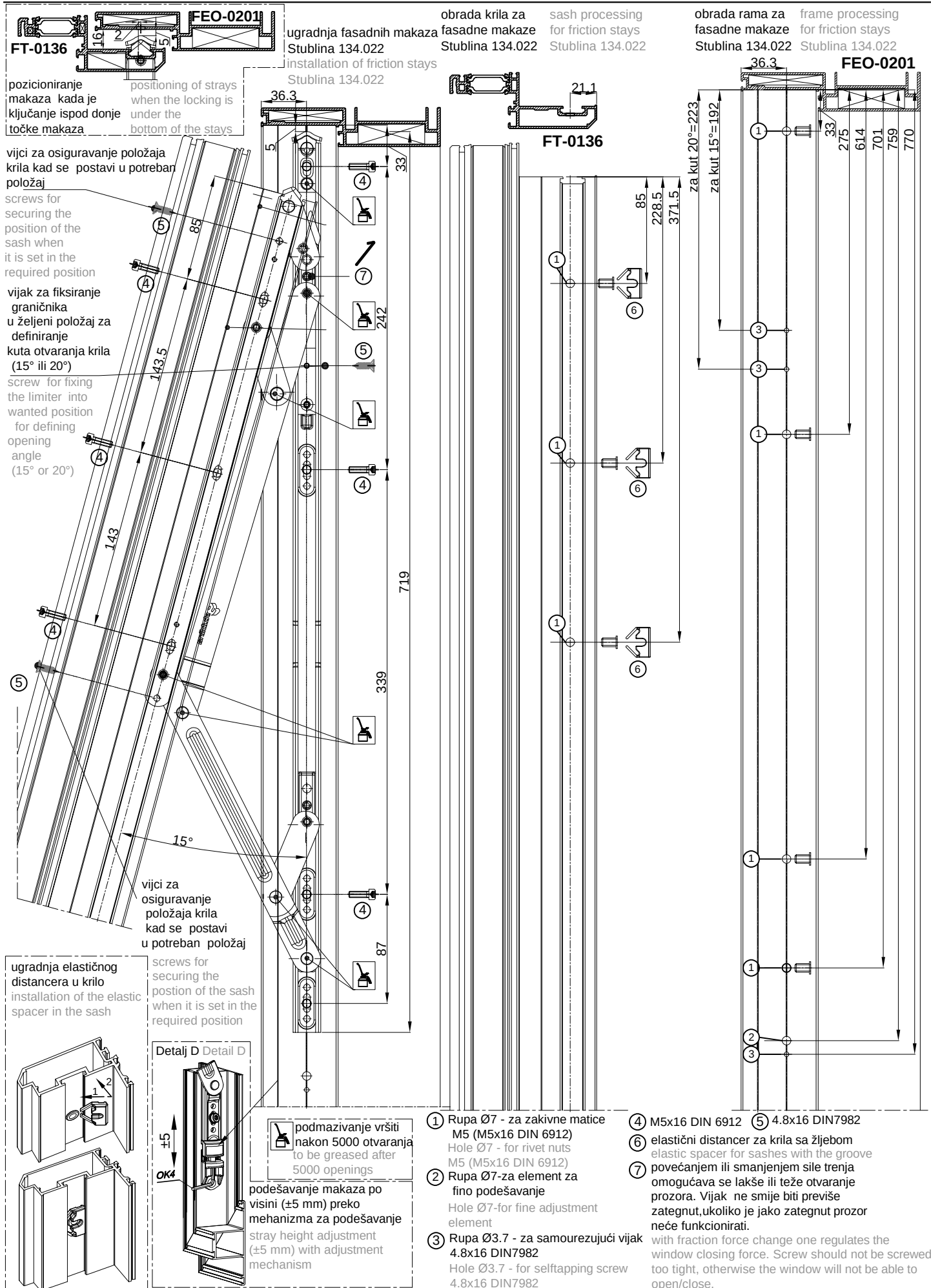
PRESJEK B-B
CROSS SECTION B-B

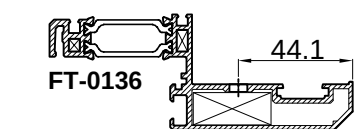


1. STROJNO UPREŠAVANJE
2. RUČNO UPREŠAVANJE
3. VIJČANA VEZA
1. MACHINE CORNER CRIMPING
2. MANUAL CORNER CRIMPING
3. SCREW CONNECTION

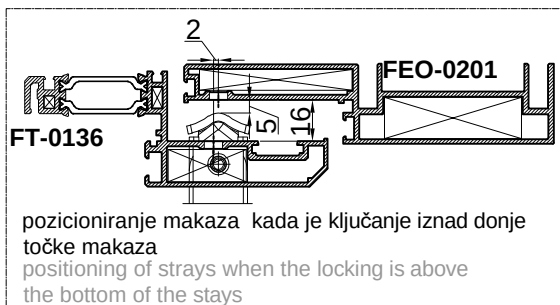




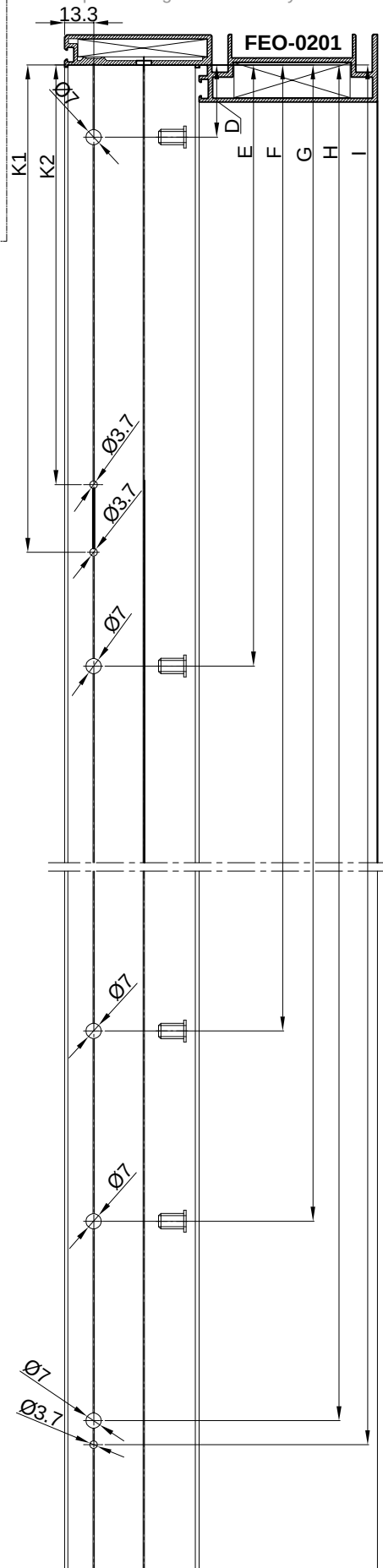




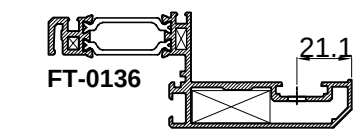
obrada krila za makaze Stublina
sash processing for friction stays
Stublina



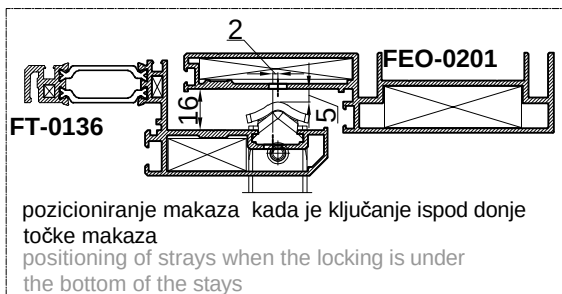
obrada rama za fasadne makaze Stublina
frame processing for friction stays Stublina



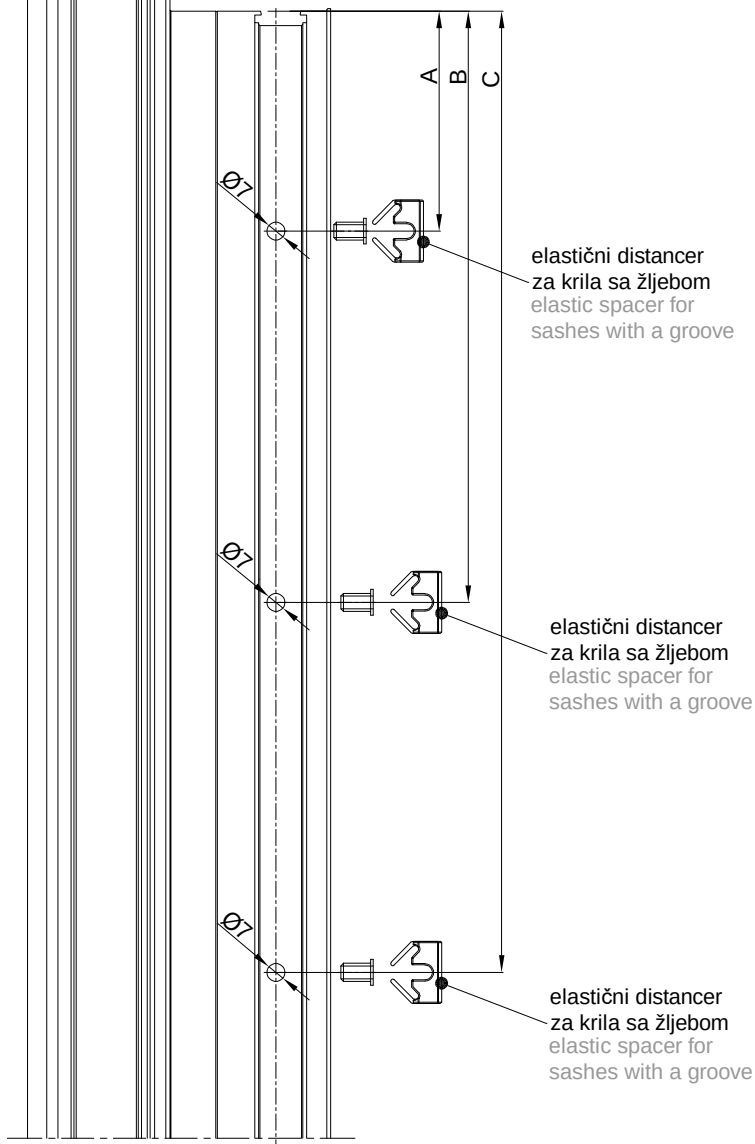
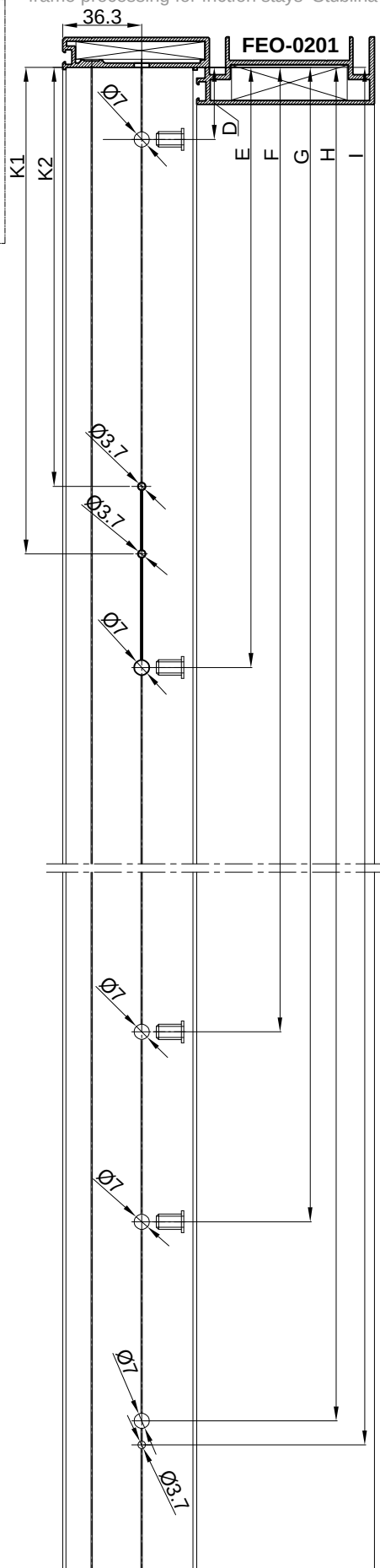
	Tip makaza Type of friction stays							
	134.019	134.020	134.021	134.022	134.019	134.020	134.021	134.022
KUT OTVARANJA KRILA SASH OPENING ANGLE	25°	30°	20°	25°	15°	20°	15°	20°
A (mm)	85	85	85	85	85	85	85	85
B (mm)	-	-	-	-	-	-	-	228.5
C (mm)	155.5	235.5	302.5	371.5	155.5	235.5	302.5	371.5
D (mm)	33	33	33	33	33	33	33	33
E (mm)	235	258	258	275	235	258	258	275
F (mm)	314	414	514	614	314	414	514	614
G (mm)	401	501	601	701	401	501	601	701
H (mm)	459	559	659	759	459	559	659	759
I (mm)	470	570	670	770	470	570	670	770
K1 (mm)	182	206	205	223	182	206	205	223
K2 (mm)	165	180	181	192	165	180	181	192



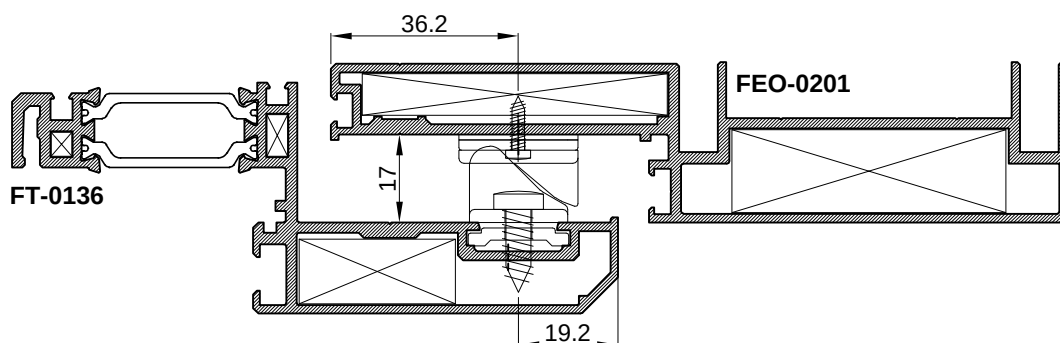
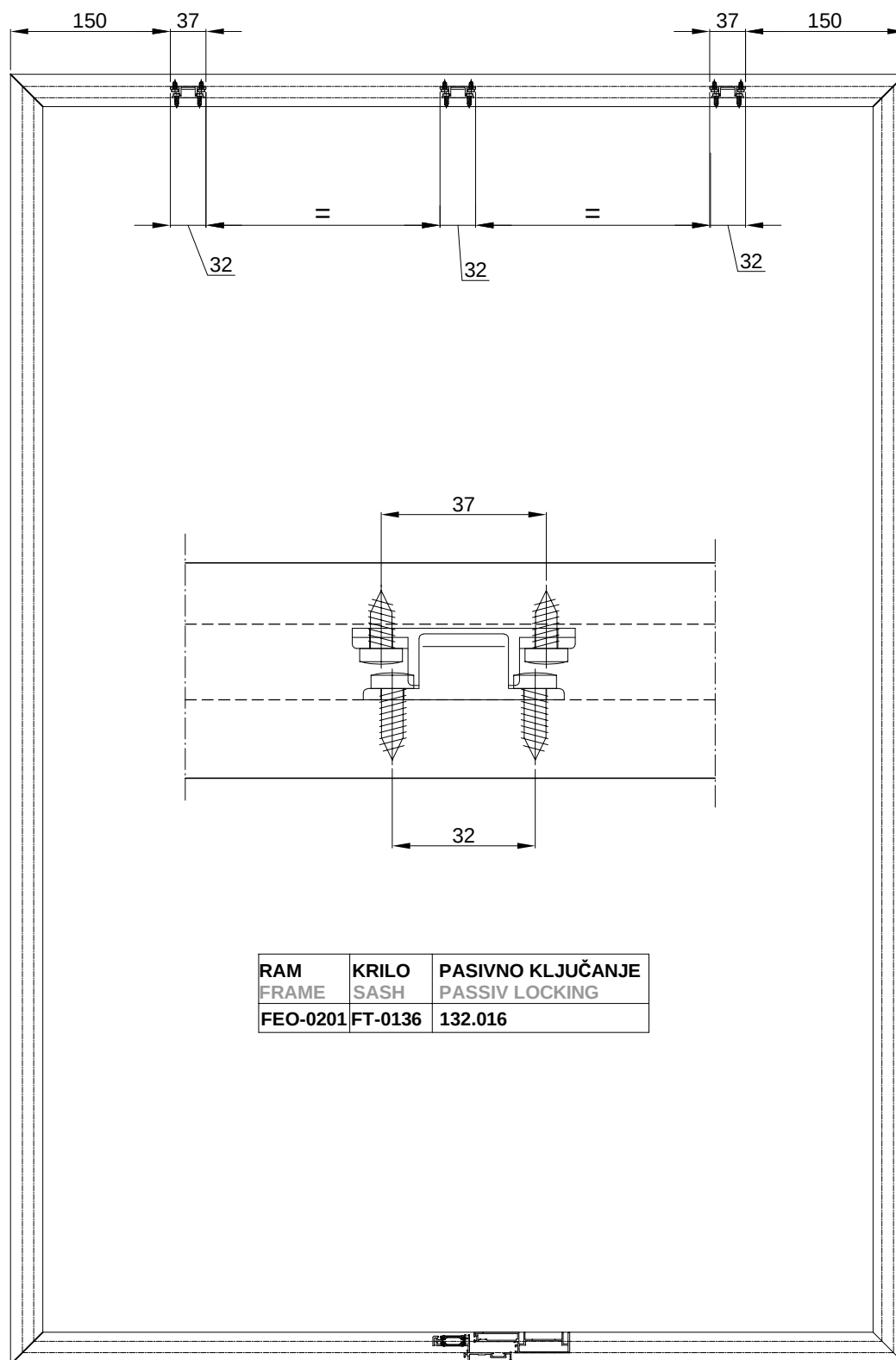
obrada krila za makaze Stublina
sash processing for friction stays
Stublina



obrada rama za fasadne makaze Stublina
frame processing for friction stays Stublina



	Tip makaza Type of friction stays							
	134.019	134.020	134.021	134.022	134.019	134.020	134.021	134.022
KUT OTVARANJA KRILA SASH OPENING ANGLE	25°	30°	20°	25°	15°	20°	15°	20°
A (mm)	85	85	85	85	85	85	85	85
B (mm)	-	-	-	-	-	-	-	-
C (mm)	155.5	235.5	302.5	371.5	155.5	235.5	302.5	371.5
D (mm)	33	33	33	33	33	33	33	33
E (mm)	235	258	258	275	235	258	258	275
F (mm)	314	414	514	614	314	414	514	614
G (mm)	401	501	601	701	401	501	601	701
H (mm)	459	559	659	759	459	559	659	759
I (mm)	470	570	670	770	470	570	670	770
K1 (mm)	182	206	205	223	182	206	205	223
K2 (mm)	165	180	181	192	165	180	181	192



Rezne liste Cutting lists

Rezna lista dimenzija -Element fasade Tip A (parapet, ventus, fiksno) razmak između elemenata 10 mm
Cutting list -Unitized facade Type A (spandrel, hung-vent, fixed field) unit distance 10 mm

naziv name	mjera dimension	kom. pcs.	kut pilanja sawing angle
Profili Profiles			
Ram Frame FEO-0201	MV-10	2	45-45
Ram Frame FEO-0201	ML-10	2	45-45
Prečka Crossbar FEV-0211	ML-41	2	90-90
Fiksno krilo Fixed sash L FT-0137	ML-18	4	45-45
Fiksno krilo Fixed sash H1 FT-0137	MH1-17	2	45-45
Fiksno krilo Fixed sash H3 FT-0137	MH3-17	2	45-45
Krilo ventusa Hung vent sash H2 FT-0136	MH2-16	2	45-45
Krilo ventusa Hung vent sash L2 FT-0136	ML2-18	2	45-45
Lajsna Glazing bead L FR 41	ML-51	6	90-90
Lajsna Glazing bead H1 FR 41	MH1-78	2	90-90
Lajsna Glazing bead H2 FR 41	MH2-77	2	90-90
Lajsna Glazing bead H3 FR 41	MH3-78	2	90-90

Kutne spojnice Corner brackets

Kutna spojnica Corner bracket 725.025;725.026	4
Kutna spojnica Corner bracket 725.215;725.216	12
Kutna spojnica Corner bracket 725.214	12
Kutna spojnica Corner bracket 725.602	12
Kutna spojnica Corner bracket 725.124; 725.125	4

Brtve i PVC Gaskets and PVC

Brtva Gasket 344.011	2MV+2ML		
Brtva Gasket 351.013	2(Lkr1+Hkr1+Lkr3+Hkr3)		
Brtva Gasket 351.014	2(Lkr1+Hkr1)		
Brtva Gasket 351.015	2(Lkr2+Hkr2+Lkr3+Hkr3)		
Brtva Gasket 311.002	2(Lkr1+Hkr1+Lkr2+Hkr2+Lkr3+Hkr3)		
Brtva Gasket 351.033	2(Lkr1+Hkr1+Lkr2+Hkr2+Lkr3+Hkr3)		
Brtva Gasket 351.023	2(Lkr1+Hkr1+Lkr3+Hkr3)		
Brtva Gasket 351.024	2(Lkr2+Hkr2)		
Brtva Gasket 351.022	2(Lkr2+Hkr2)		
PVC distancer spacer 374.011	ML-52	2	90-90
PVC distancer spacer 374.011	MH1-75	2	90-90

Okov Hardware

Makaze sa zakovanim klizačem NC-1459 Frictions stays with riveted slider NC-1459
(vrsta ovisno o visini prozora prema shemama otvora na stanama 504.08.002-007)
(type depending on the window height according to the schematic on pages 504.08.002-007)

Okov fasadnog ventusa sa mogućnošću zaključavanja u više točaka:

Hung vent hardware with option of multiple locking points:

Zaključavanje u donjem pojasu:

Lower position locking:	101.000	1	
	133.003	1 (jedno zaključavanje one locking)	
	133.005	set 1 (tri zaključavanja three lockings)	

Zaključavanje u donjem pojasu i bočno:

Lower and side position locking:	101.000	1	
	133.003	1	
	133.004	set 1	
	133.005	set 1 (tri zaključavanja three lockings)	

Vijak Screw 433.043	2(Lkr1+Hkr1+Lkr3+Hkr3)/250		
Vijak Screw 433.033		8**	
Vijak Screw 433.021		16**	

Umetak za nošenje i centriranje Bracket for transport i fixing 391.132

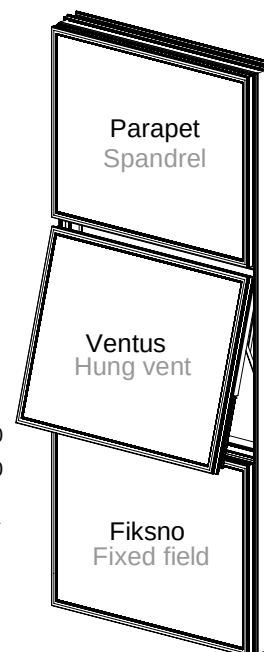
Nosač fasade Facade anchor 501.034

Nosač fasade Facade anchor 501.035

Vijak Screw	431.107	4	
Vijak Screw	431.299	6	
Distancer Spacer	521.258	8	
Matica Nut	432.007	10	
Podloška Washer	432.115	10	

Staklo Glass

Par. staklo Spa.Glass 1	(ML-59)x(MH-56)	1	
Staklo Glass 2	(ML-59)x(MH-60)	2	** Vijci za spoj rama u prečke
Staklo Glass 3	(ML-59)x(MH-56)	2	** Screws for crossbar frame connection

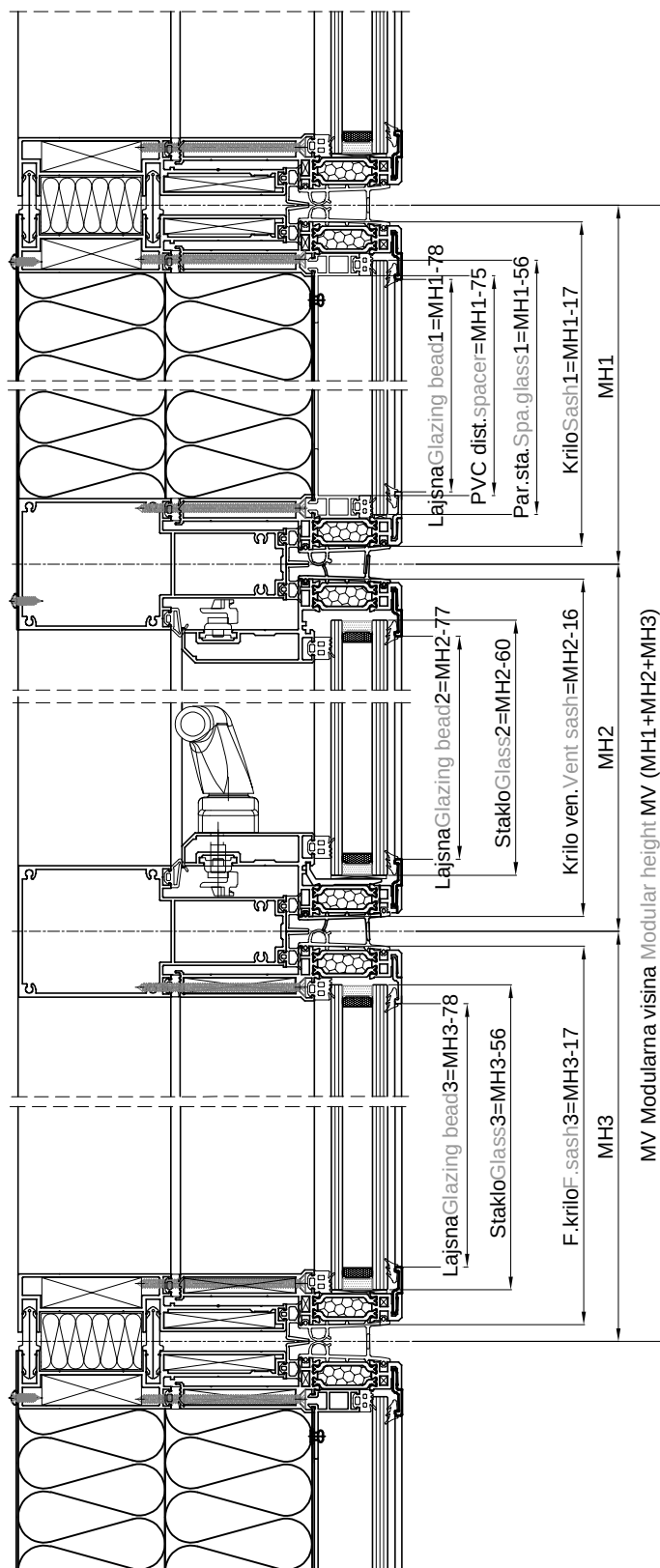
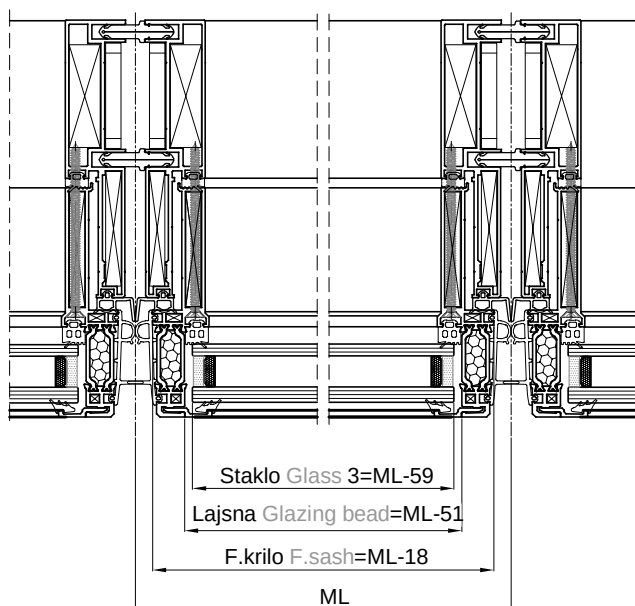
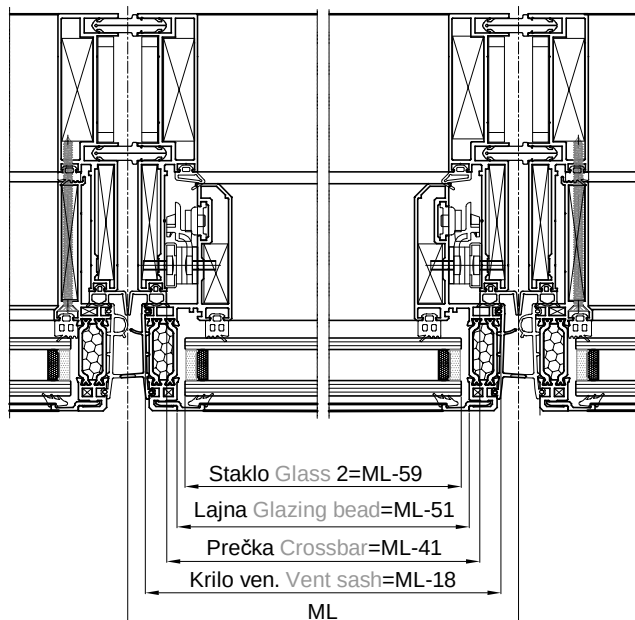
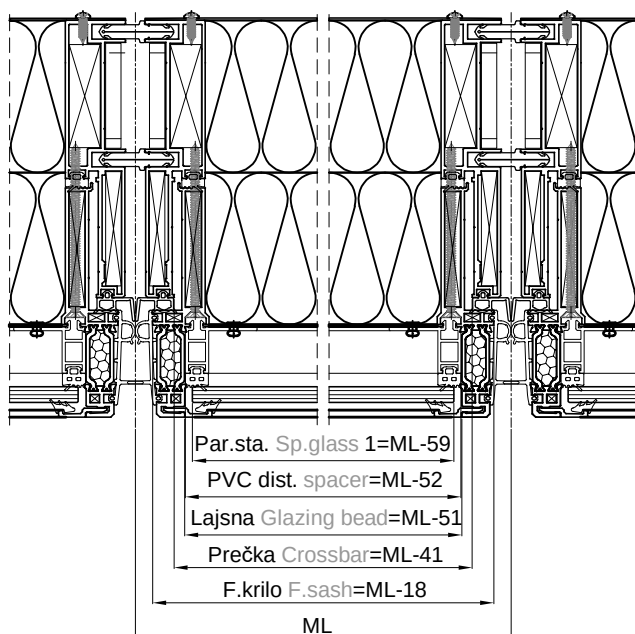


Rezna lista dimenzija

-Element fasade Tip A (parapet, ventus, fiksno)
razmak između elemenata 10 mm

Cutting list

-Unitized facade Type A (spandrel, hung-vent, fixed field)
unit distance 10 mm



Rezna lista dimenzija -Element fasade Tip A (parapet, paralelno otvaranje (PO), fiksno) razmak između elemenata 10 mm
Cutting list -Unitized facade Type A (spandrel, parallel opening(PO), fixed field) unit distance 10 mm

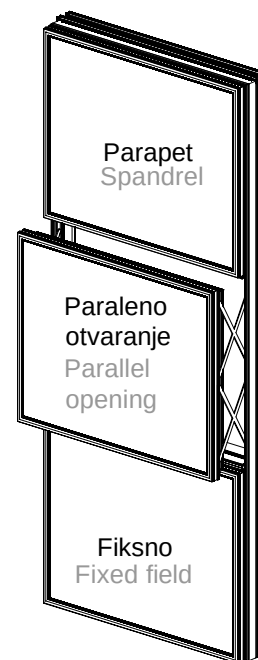
naziv name	mjera dimension	kod pcs.	kut pilanja sawing angle
Profili Profiles			
Ram Frame FEO-0201	MV-10	2	45-45
Ram Frame FEO-0201	ML-10	2	45-45
Prečka Crossbar FEV-0211	ML-41	2	90-90
Fiksno krilo Fixed sash L FT-0137	ML-18	4	45-45
Fiksno krilo Fixed sash H1 FT-0137	MH1-17	2	45-45
Fiksno krilo Fixed sash H3 FT-0137	MH3-17	2	45-45
Krilo PO PO.sash H2 FT-0160	MH1-16	2	45-45
Krilo PO PO.sash L2 FT-0160	MH3-16	2	45-45
Lajsna Glazing bead L FR 41	ML-51	6	90-90
Lajsna Glazing bead H1 FR 41	MH1-78	2	90-90
Lajsna Glazing bead H2 FR 41	MH2-77	2	90-90
Lajsna Glazing bead H3 FR 41	MH3-78	2	90-90

Kutne spojnice Corner brackets

Kutna spojnica Corner bracket 725.025;725.026	4
Kutna spojnica Corner bracket 725.215; 725.216	12
Kutna spojnica Corner bracket 725.214	12
Kutna spojnica Corner bracket 725.602	12
Kutna spojnica Corner bracket 725.124;725.125	4

Brtve i PVC Gaskets and PVC

Brtva Gasket 344.011	2MV+2ML		
Brtva Gasket 351.013	2(Lkr1+Hkr1+Lkr3+Hkr3)		
Brtva Gasket 351.014	2(Lkr1+Hkr1)		
Brtva Gasket 351.015	2(Lkr2+Hkr2+Lkr3+Hkr3)		
Brtva Gasket 311.002	2(Lkr1+Hkr1+Lkr2+Hkr2+Lkr3+Hkr3)		
Brtva Gasket 351.033	2(Lkr1+Hkr1+Lkr2+Hkr2+Lkr3+Hkr3)		
Brtva Gasket 351.023	2(Lkr1+Hkr1+Lkr3+Hkr3)		
Brtva Gasket 351.024	2(Lkr2+Hkr2)		
Brtva Gasket 351.022	2(Lkr2+Hkr2)		
PVC distancer spacer 374.011	ML-52	2	90-90
PVC distancer spacer 374.011	MH1-75	2	90-90

**Okovi Hardware**

Izbor mehanizma za ručno paralelno otvaranje ovisno dimenzijama otvora- prema shemama otvora stranicama 504.08.008-014
Hardware selection for manual opening depending on the window dimensions on pages 504.08.008-014

Vijak Screw 433.140	2(Lkr1+Hkr1+Lkr3+Hkr3)/250	
Vijak Screw 433.033		8**
Vijak Screw 433.021		16**
Umetak za nošenje i centriranje Bracket for transport i fixing 391.132		2
Nosač fasade Facade anchor 501.034		1
Nosač fasade Facade anchor 501.035		1
Vijak Screw	431.107	4
Vijak Screw	431.299	6
Distancer Spacer	521.258	8
Matica Nut	432.007	10
Podloška Washer	432.115	10

Staklo Glass

Parapetno staklo Spandrel glass 1	(ML-59)x(MH-56)	1
Staklo Glass 2	(ML-59)x(MH-60)	2
Staklo Glass 3	(ML-59)x(MH-56)	2

** Vijci za spoj rama u prečke

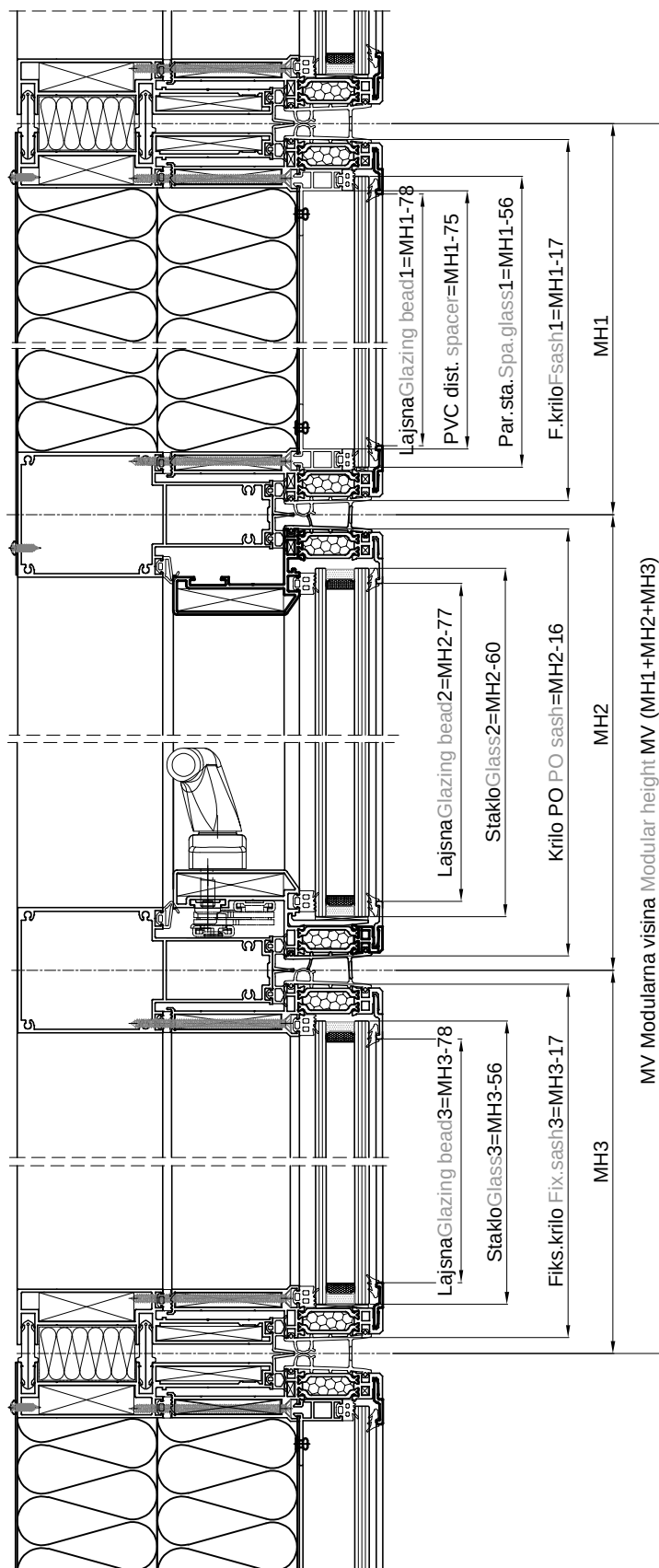
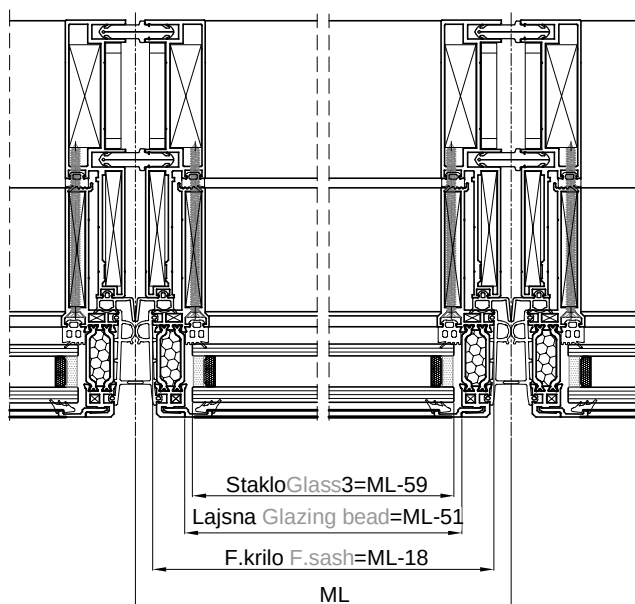
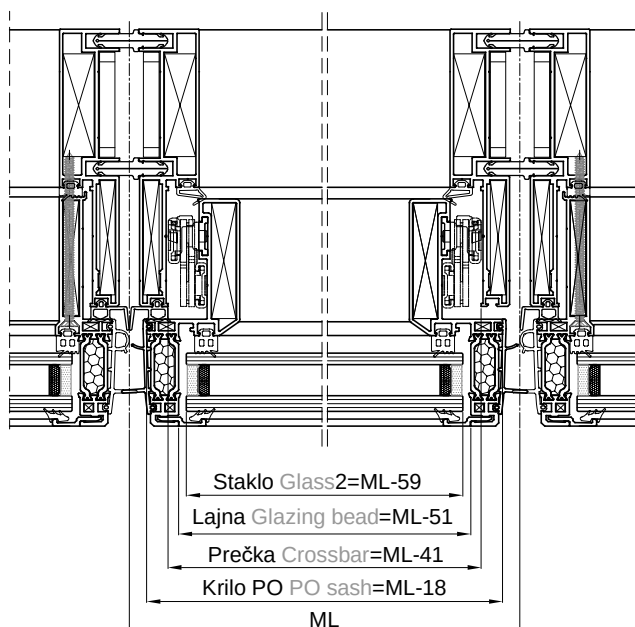
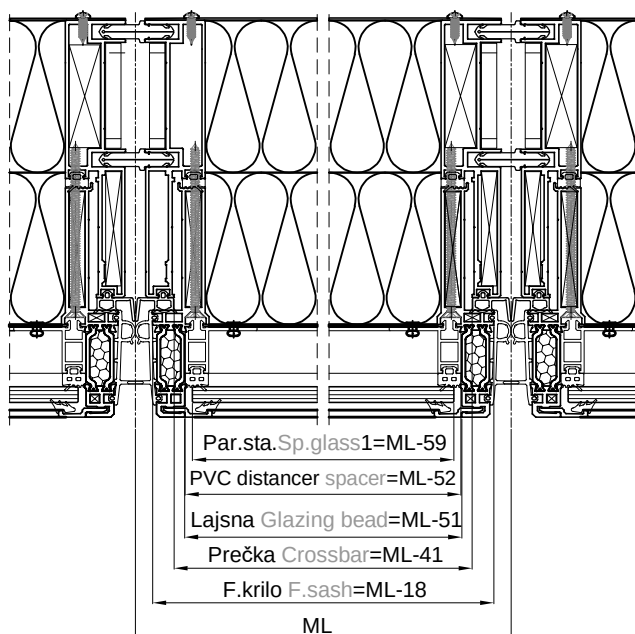
** Screws for crossbar frame connection

Rezna lista dimenzija

-Element fasade Tip A (parapet, paralelno otvaranje(PO), fiksno)
razmak između elemenata 10 mm

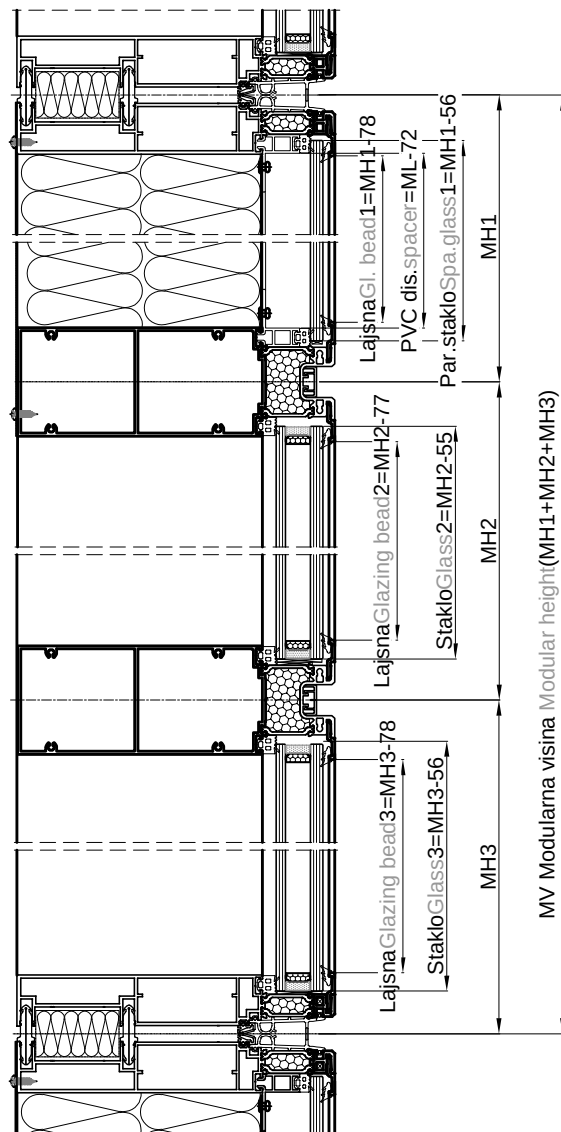
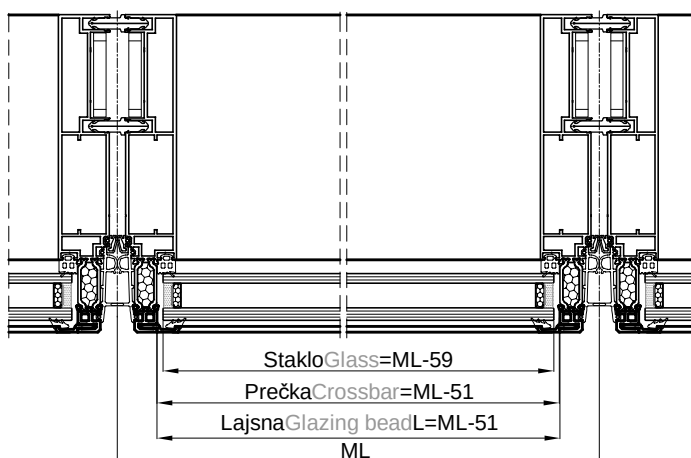
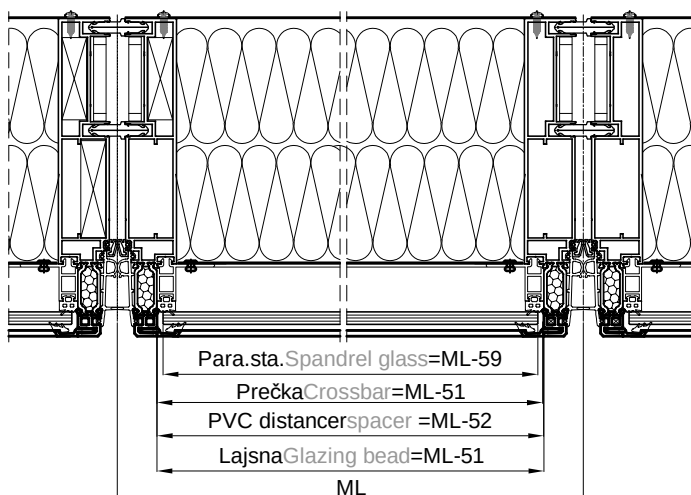
Cutting list

-Unitized facade Type A (spandrel, parallel opening(PO), fixed field)
unit distance 10 mm



Rezna lista -Element fasade Tip B (parapet, fiksno, fiksno) razmak između elemenata 10 mm

Cutting list -Unitized facade Type B (spandrel, fixed field, fixed field) unit distance 10 mm



naziv name	mjera dimension	kom. pcs.	kut pilanja sawing angle
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Profili

Ram Frame FEO-0202		MV-10	2	45-45
Ram Frame FEO-0202		ML-10	2	45-45
Prečka Crossbar FEV-0212		ML-51	2	90-90
Lajsna Cover cap L F-0972	.....	ML-51	2	90-90
Lajsna Glazing bead L FR 41	.....	ML-51	6	90-90
Lajsna Glazing bead H1 FR 41	.....	MH1-78	2	90-90
Lajsna Glazing bead H2 FR 41	.....	MH2-77	2	90-90
Lajsna Glazing bead H3 FR 41	.....	MH3-78	2	90-90

Okovi Hardware

Kutna spojnica Corner brackets 725.025;725.026	.....		4	
Kutna spojnica Corner brackets 725.036;725.037	.....		4	
Kutna spojnica Corner brackets 725.602	.....		4	
Vijak Screw 433.020	.....	4**		
Vijak Screw 433.021	.....	16**		
Umetak za nošenje i centriranje Bracket for trans. i fixing 391.132	.....		2	
Nosač fasade Facade anchor 501.034	.....		1	
Nosač fasade Facade anchor 501.035	.....		1	
Vijak Screw 431.107	.....		4	
Vijak Screw 431.299	.....		6	
Distancer Spacer 521.258	.....		8	
Matica Nut 432.007	.....		10	
Podloška Washer 432.115	.....		10	

Brtve i PVC Gaskets and PVC

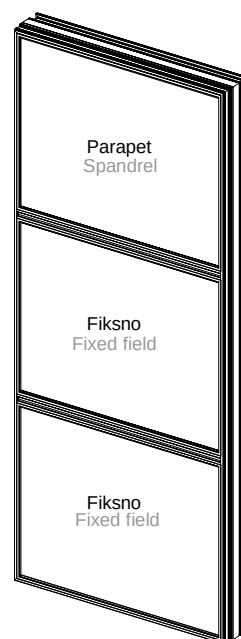
Brtva Gasket 344.011	.....	2MV+2ML		
Brtva Gasket 351.014	.....	2(Lkr1+Hkr1)		
Brtva Gasket 351.015	.....	2(Lkr2+Hkr2+Lkr3+Hkr3)		
Brtva Gasket 311.002	.....	2(Lkr1+Hkr1+Lkr2+Hkr2+Lkr3+Hkr3)		
Brtva Gasket 351.026	.....	2MV+2ML		
Brtva Gasket 351.023	.....	2MV+2ML		
PVC distancer spacer 374.011	.....	(MH1-73)	2	
PVC distancer spacer 374.011	.....	(ML-52)	2	

Staklo Glass

Par.staklo Spa.glass 1	.....	(ML-59)x(MH1-56)	1	
Staklo Glass 2;3	.....	(ML-59)x(MH2-55)	2	

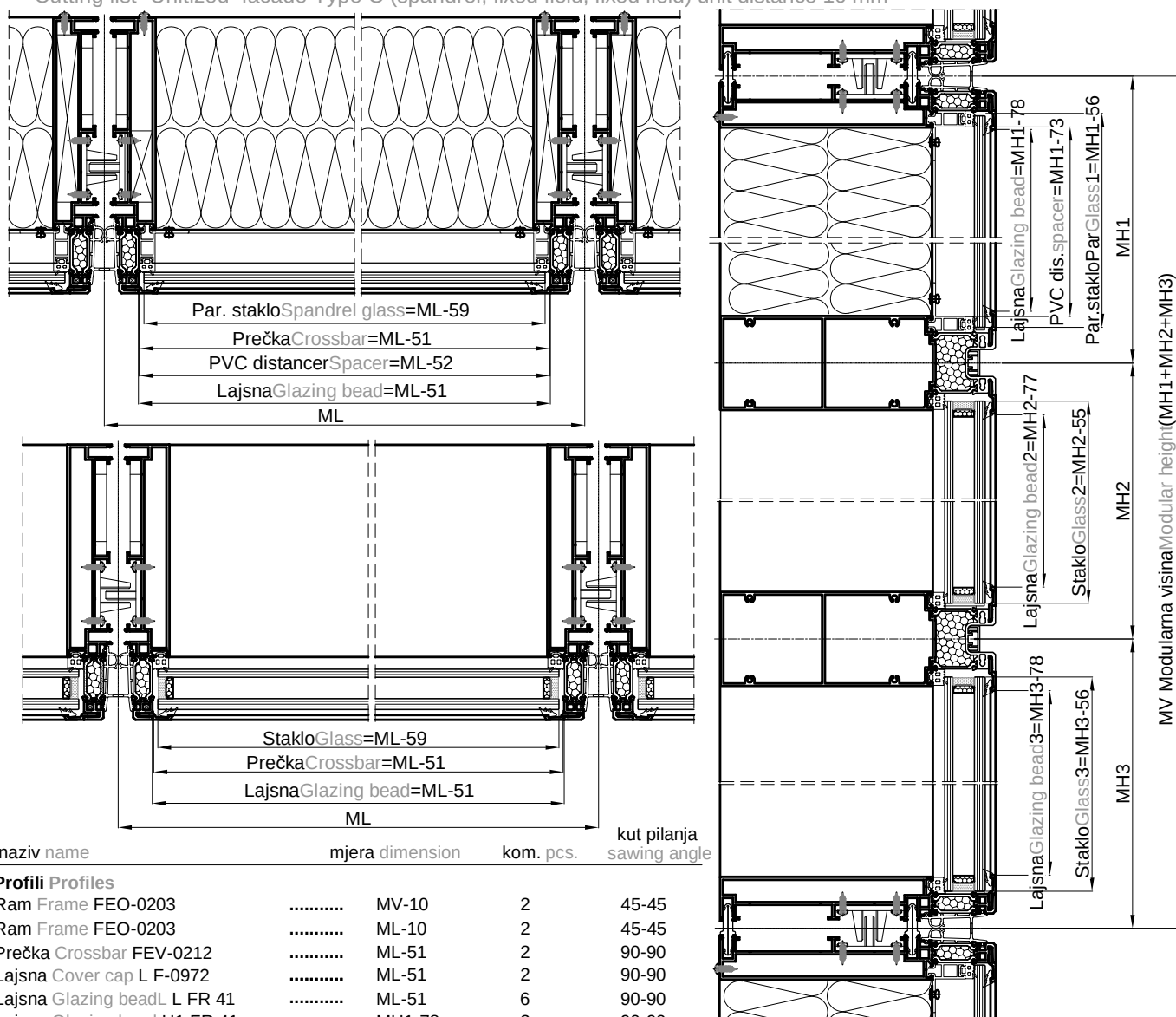
** Vijci za spoj rama u prečke

** Screws for crossbar frame connection



Rezna lista -Element fasade Tip C (parapet, fiksno, fiksno) razmak između elemenata 10 mm

Cutting list -Unitized facade Type C (spandrel, fixed field, fixed field) unit distance 10 mm



naziv name	mjera dimension	kom. pcs.	kut pilanja sawing angle
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Profili Profiles

Ram Frame FEO-0203		MV-10	2	45-45
Ram Frame FEO-0203		ML-10	2	45-45
Prečka Crossbar FEV-0212	.....	ML-51	2	90-90
Lajsna Cover cap L F-0972	.....	ML-51	2	90-90
Lajsna Glazing bead L FR 41	.....	ML-51	6	90-90
Lajsna Glazing bead H1 FR 41	.....	MH1-78	2	90-90
Lajsna Glazing bead H2 FR 41	.....	MH2-77	2	90-90
Lajsna Glazing bead H3 FR 41	.....	MH3-78	2	90-90

Okovi Hardware

Kutna spojnica Corner bracket 725.038;725.039	.....		4	
Kutna spojnica Corner bracket 725.602	.....		4	
Vijak Screw 433.021	.....	16**		
Vijak Screw 433.020	.....	4**		
Umetak za nošenje i centriranje Bracket for trans. i fixing 391.132	.....		2	
Nosač fasade Facade anchor 501.034	.....		1	
Nosač fasade Facade anchor 501.035	.....		1	
Vijak Screw 431.107	.....		4	
Vijak Screw 431.299	.....		6	
Distancer Spacer 521.258	.....		8	
Matica Nut 432.007	.....		10	
Podloška Washer 432.115	.....		10	

Brtve i PVC Gaskets and PVC

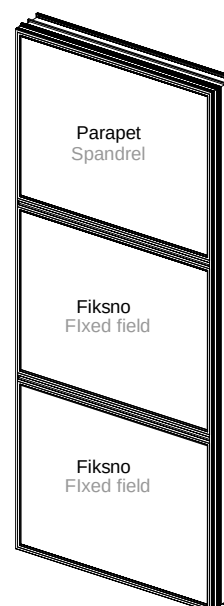
Brtva Gasket 344.011	.....	2MV+2ML		
Brtva Gasket 351.014	.....	2(Lkr1+Hkr1)		
Brtva Gasket 351.015	.....	2(Lkr2+Hkr2+Lkr3+Hkr3)		
Brtva Gasket 311.002	.....	2(Lkr1+Hkr1+Lkr2+Hkr2+Lkr3+Hkr3)		
Brtva Gasket 351.023	.....	2MV+2ML		
PVC distancer spacer 374.011	.....	(MH1-73)	2	90-90
PVC distancer spacer 374.011	.....	(ML-52)	2	90-90
Usmjerivači elementa Unit positioner 374.011	.....	(MV+ML)/250		

Staklo Glass

Par.staklo Spa.glass 1	.....	(ML-59)x(MH1-56)	1	
Staklo Glass 2;3		(ML-59)x(MH2-55)	2	

** Vijci za spoj rama u prečke

** Screws for crossbar frame connection



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Listopad 2025. / *November 2024.*

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