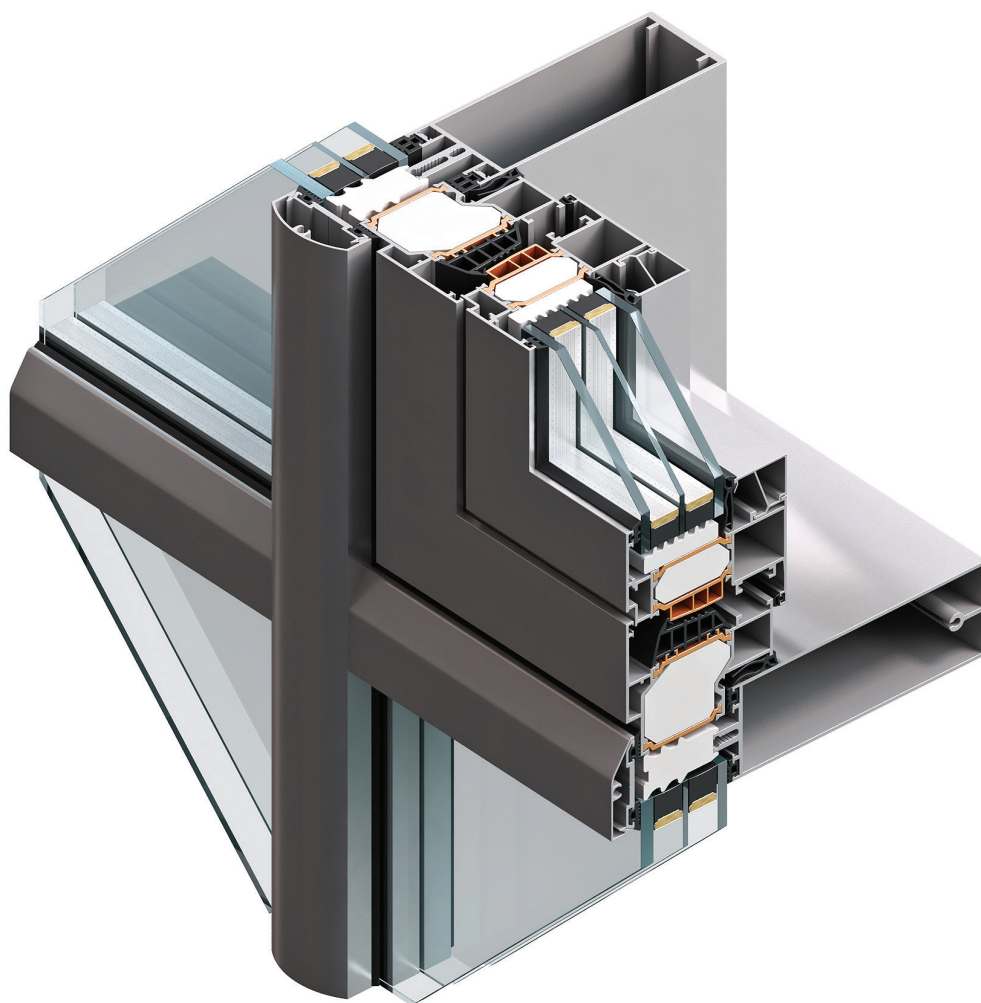


FEAL



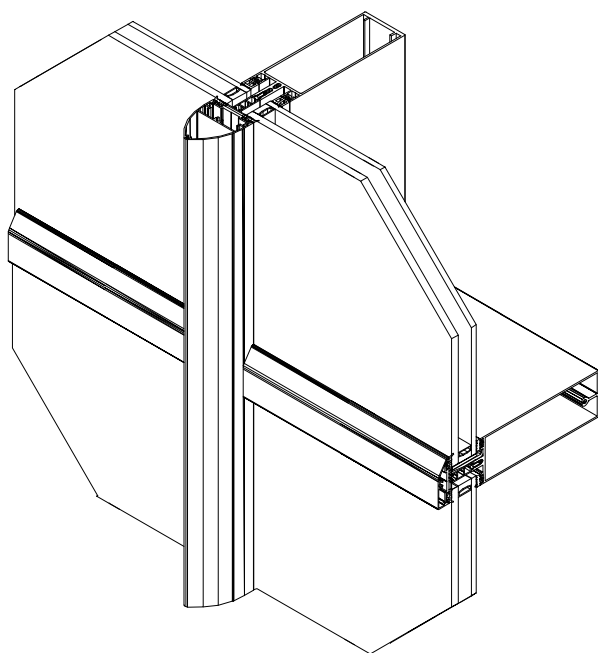
50 FK

AL. FASADA
AL. FACADE

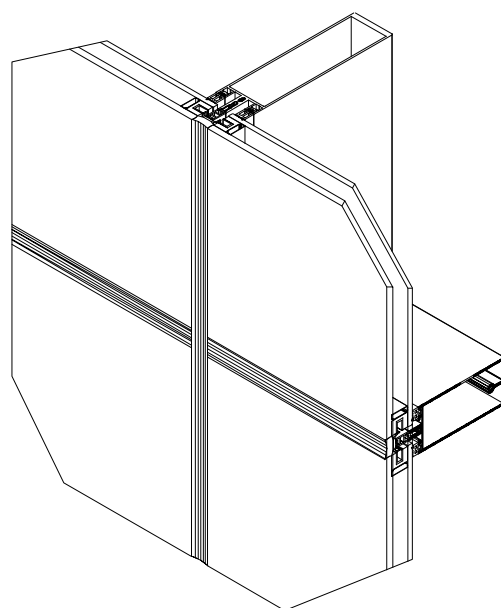
Knjiga A / *Book A*

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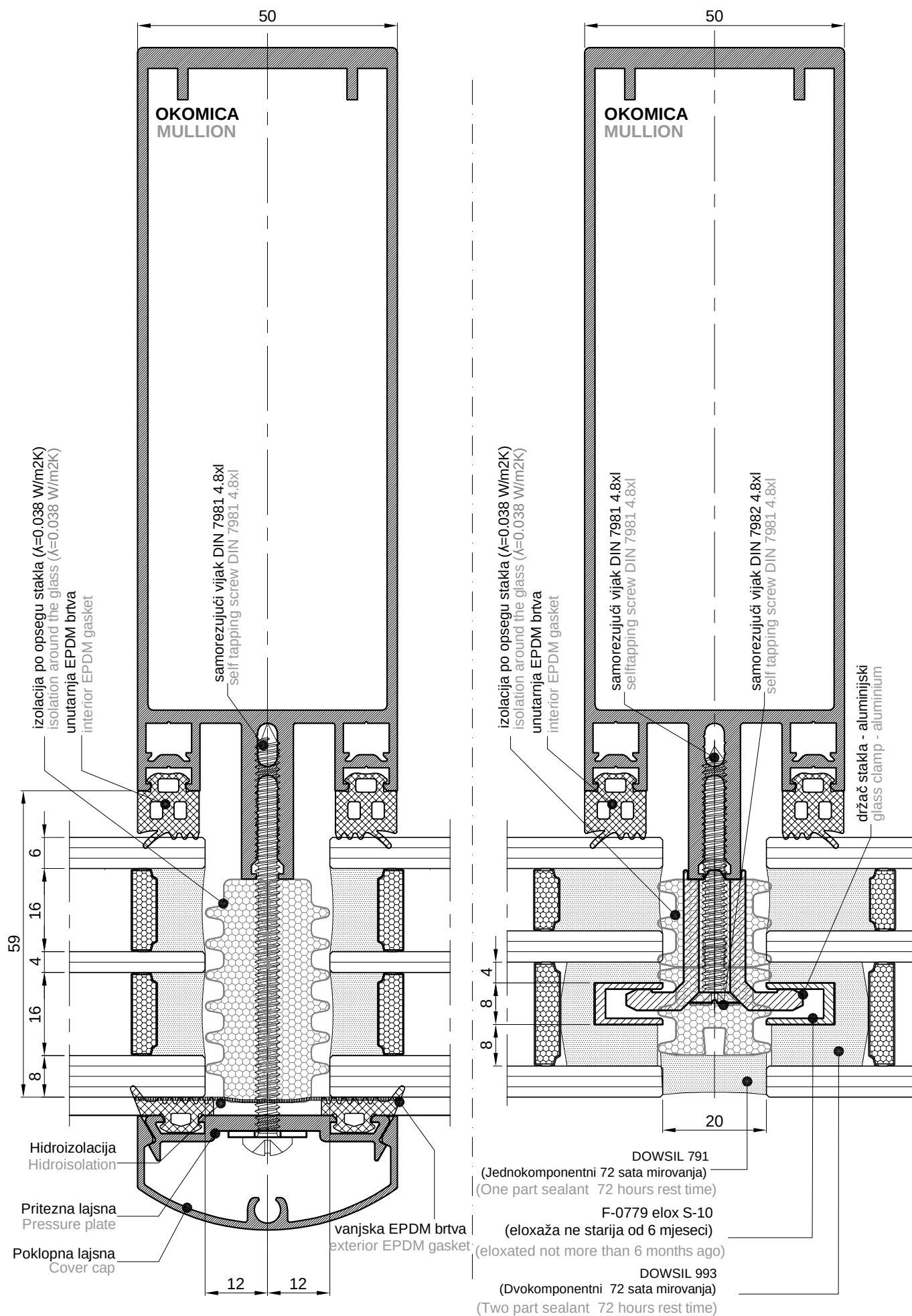


50 FK



50 FS

Značajke sistema System characteristics



OPIS SISTEMA:**Konstrukcija:**

Feal 50FK je sistem za izradu kontinuirane ili strukturalne, samonosive, u cjelini zastakljene, toplo izolirane fasadne konstrukcije od aluminijumskih profila.

Geometrija profila:

Vidljiva širina profila 50mm.

Vertikalni, nosivi profili - okomice (nivo I) su dubina: 90, 120, 140, 160, 200, 270 mm.

Horizontalni profili - vodoravnice (nivo II; tj. nivo III u vertikalnom položaju ukoliko su u konstrukciji i pomoćne vodoravnice), dubina: 88, 118, 136, 138, 158, 198, 268 mm.

Horizontalni profili - pomoćne vodoravnice (nivo II), dubine: 88, 118, 138, 158mm.

Za otvarajuća polja se mogu koristiti posebno dizajnirani fasadni prozorski otvori s tipovima okretno-otklopni (dreh-kipp), otklopni prema unutra (kipp) ili prema vani (senk-klapp), paralelno otvaranje i krovni prozori. Sa fasadnim sustavom su također kompatibilni FEAL sistemi profila za prozore i vrata, kao: Termo 65, Termo 65 plus, Termo 85, Termo 85 SK, Termo 85 PA, Termo 65 VS, Termo 85 VS, TERMO 150, TERMO 150+, Inowa, Francuski balkon, Fiksni brisoleji. Vrata mogu biti otvarajuća (prema vani ili unutra), klizna, mimokretna ili automatska.

Parapetna polja mogu biti prozirna ili neprozirna.

Stakljenje kontinuirane fasade se izvodi uz pomoć EPDM brtvi te priteznih i poklopnih lajsni. Na pritezne lajsne se postavljaju poklopne lajsne koje mogu biti različitih oblika (kvadratni plitki ili duboki, zaobljeni, eliptični) i dimenzija. Izuzetak predstavljaju lajsne koje zbog svog specifičnog oblika ujedno predstavljaju i priteznu i poklopnu lajsnu.

Stakljenje strukturalne fasade se izvodi uz pomoć EPDM brtvi, držača stakla i silikonskog zaptivača strukturalnog stakla.

Kao materijali fasadnih komponenti koriste se materijali otporni na vremenske uvjete, temperaturne razlike, plijesni, te vodootporne zaštitne trake koje sprečavaju prodor vode i vlage u izolaciju.

Sistem fasade FEAL 50FK omogućava izvođenje kondenzata u dva ili tri nivoa tj. ravni. Svi profili okomica i vodoravnica imaju žlijebove za vođenje kondenzata i njihovi međusobni spojevi se izvode tako da se ti žlijebovi preklapaju. Tri nivoa se koriste ukoliko postoji potreba za vertikalnim profilom iznad fiksnog dijela ili otvora. U slučaju samo dva nivoa kondenzat se prirodnim putem odvodi sa horizontalnog profila (II nivo) na vertikalni profil (I nivo). U slučaju tri nivoa kondenzat se prirodnim padom izvodi sa pomoćnog vertikalnog (III nivo) na horizontalni (II nivo) te zatim na glavni vertikalni profil (III nivo), a potom vani. Istovremeno zrak struji kroz okomice i vodoravnice od parapeta premaatici pri čemu se ostvaruje potrebno ventiliranje fasade i suši vlagu nastalu kondenziranjem.

SYSTEM DESCRIPTION:**Construction:**

System **Feal 50FK** is used for the production of selfbearing, fully glazed, thermally isolated aluminium stick or structural curtain walls.

Profile geometry:

Visible profile width 50mm.

Vertical, bearing profiles - mullions (level I) with depths : 90, 120, 140, 160, 200, 270 mm.

Horizontal profiles - transoms (level II; level III if the construction has auxiliary transoms), with depths: 88, 118, 138, 158, 198, 268 mm.

Horizontal profiles - auxiliary transoms (level II), with depth: 88, 118, 138, 158 mm.

Specially designed facade openings such as turn-tilt windows, tilt windows (inwards and outwards) windows with parallel opening and roof windows can be used for opening fields. The curtain wall is also compatible with other FEAL window and door systems, such as; Termo 65, Termo 65 plus, Termo 85, Termo 85 SK, Termo 85 PA, Termo 65 VS, Termo 85 VS, TERMO 150, TERMO 150+, Inowa, French balcony, Fixed sun breakers. Doors in curtain wall can be made as turn opening version (inwards, outwards), sliding, double action door or automatic doors.

Spandrel fields can be transparent or opaque.

Glazing of the stick facade is achieved with EPDM gaskets, pressure plates and cover caps. On pressure plates are mounted cover caps of different shapes (narrow or deep rectangular, curved, elliptic, etc.) and dimensions. Exceptions are the some cover caps that, because of their specific shape, act simultaneously as pressure plates and cover caps.

Glazing of structural curtain wall is achieved with EPDM gaskets, glass clamps and silicone sealants.

As parts of curtain walls, the components used are resistant to weather conditions, temperature differences and mold. Also used are watertight protection bands that prevent water and moisture entering the isolation.

System FEAL 50FK makes it possible to drain condensation using two level or three level system. All the profiles of vertical and horizontal profiles have draining channels and all of their connections are made in such a way that the channels overlap. Three levels are used if there is a need for a vertical profile over the fixed or a opening field. In case of only two levels the condensation is drained with help of gravity from the horizontal profile to the vertical profile. In case of three levels the condensation is drained with the help of gravity from the auxiliary vertical (III level) which is located above the fixed field or an opening to the horizontal profile (level II) then to the main vertical profile (level I) and finally outside. Meanwhile the air is circulating through the vertical and horizontal profiles from the spandrel to the attic which achieves the necessary ventilating and drying of moisture that occurs due to the condensation.

Ispitivanja i certifikati

Testing and certificates

ISPITIVANJA I CERTIFIKATI U FADADI 50 FK
TESTING AND CERTIFICATES IN FACADE 50 FK

Vrsta ispitivanja Type of test	Standard Norm	Ispitni institut Test institute	Rezultat ispitivanja Test result
Zrakopropusnost Air permeability	EN12152	ift Rosenheim	AE
Vodonepropusnost Watertightness	EN 12154	ift Rosenheim	RE ₁₂₀₀
Otpornost na vjetar Resistance to wind	EN 13116	ift Rosenheim	Dizajnirano opterećenje ±2,0 kN/m ² Design load Sigurnosno opterećenje ±3,0 kN/m ² Safety load
Zvučna izolacija Airborne sound reduction	EN ISO 717-1	gbd Lab	Rw(C,Ctr)(dB); 43 (-1,-5)
Toplinska izolacija Thermal insulation	DIN EN ISO 10077-2	ift Rosenheim	(U _f ≥ 0.72 W/m ² K) 50 FK (U _f ≥ 0.78 W/m ² K) 50 FS
Protuprovalnost Protection against burglary	EN 1627	gbd Lab	RC2
Otpornost na udar Impact resistance	EN 14019	gbd Lab	I5 / E5

OPĆENITE BILJEŠKE

Sljedeće prezentirane informacije namijenjene su za statičko preddimenzioniranje FEAL-ovog sistema fasade 50 FK i 50 FS te su bazirane prema dostupnim i valjanim normama u građevini i aluminijskim konstrukcijama. Kako su norme podložne konstantnim revizijama i izmjenama, proizvođači moraju uvijek provjeriti njihovu valjanost na vlastitu odgovornost. Statička valjanost konstrukcije mora biti odobrena od strane odgovorne osobe ili organizacije. Do sada, fasadne konstrukcije regulirane su preko maksimalnih dopuštenih progiba u slučaju opterećenja vjetrom za okomice ili vlastite težine za vodoravnice prema normi **EN 13 830**. Dodatno na ovu normu fasadne konstrukcije mogu podlijevati normi za prozore EN 14 351-1, posebnim nacionalnim normama ili normama unutar korištenih komponenti (npr. stakla, itd.).

GENERAL NOTES

The next presented information are intended for static pre-dimensioning of FEAL's facade system 50 FK and 50 FS and are based on available and valid norms in construction and aluminum constructions. Since norms are subject to constant revision and changes, processors must always verify their validity on their own responsibility. The static proof must be verified by authorised person or organization. So far, facade construction are regulated through maximum deflection of mullion and transoms in case of wind loads and dead loads respectively by product norm **EN 13 830**. Additionally on mentioned norms, facade constructions can be subjected to windows norm EN 14 351-1, special national norms or norms within used components (e.g. glazing, etc.)

TEHNIKE PREDPOSTAVKE ANALIZE

U ovoj analizi su uzete u obzir sljedeće tehničke pretpostavke mjerodavne za proračun:

- Statički model nosaca: Nosac oslonjen u 2 i 3 krajnje točke sidrenja
- Uvjeti eksploatacije obzirom na vjetar:.....V=50-180km/h
- Maksimalni vodoravni raster fasade:.....L=60-210cm
- Dozvoljeni progib nosača:.....fpr<=H/300(cm)
- Specifično opterećenje fasade vjetrom:.....q(kg/cm²)
- Jedinično opterećenje nosača:.....Q=qxL(kg/cm)

Temeljna analiza je obuhvatila statičku analizu fasadnih profila u uvjetima vjetrovnih udara za I., II., III VJETROVNU ZONU PODRUČJA ZEMALJA BOSNE I HERCEGOVINE, HRVATSKE, SLOVENIJE SRBIJE, CRNE GORE I MAKEDONIJE prema Tehničkim normativima metalnih konstrukcija 41/64.

ASSUMPTIONS OF TECHNICAL CALCULATION

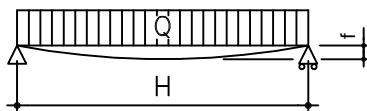
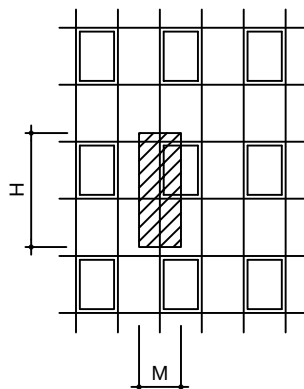
In this technical calculation following technical assumptions are relevant for the calculation.

- Structural beam model: Beam supported in 2 and 3 end points
- Wind load range:.....V=50-180km/h
- Maximal horizontal mullion distance:.....L=60-210cm
- Allowed deformation:.....fpr<=H/300(cm)
- Specific wind load:.....q(kg/cm²)
- Specific load on the mullion:.....Q=qxL(kg/cm)

Basic calculation covers structural calculation of facade profiles in wind load conditions for I., II., III. WINDLOAD ZONE OF BOSNIA AND HERZEGOVINA, CROATIA, SLOVENIA, SERBIA, MONTENEGRO and MACEDONIA according to the Technical norms for metal structures 41/64.

Visina površine nad terenom koja je izložena djelovanju vjetra The height of the surface which is exposed to wind load	Stupanj zaštite fasadnog objekta Level of exposure of building to the wind	DJELOVANJE VJETRA ZA ZEMLJOPISNE ZONE WIND LOADS FOR GEOGRAPHICAL AREA					
		I	I	II	II	III	III
		Kg/m ²	Km/h	Kg/m ²	Km/h	Kg/m ²	Km/h
Do 10 m Under 10 m	Zaštićen (protected)	30	79	40	91	55	107
	Poluzaštićen (semi exposed)	40	91	55	107	60	112
	Izložen (exposed)	45	97	70	120	110	151
Od 10 m do 30 m From 10 m to 30 m	Poluzaštićen (semi exposed)	50	102	75	125	110	151
	Izložen (exposed)	60	112	90	137	130	164
Od 30 m do 60 m Od 30 m do 60 m	Izložen (exposed)	70	120	105	148	150	176
Od 60 m do 100 m Od 60 m do 100 m	Izložen (exposed)	80	129	120	158	170	188

$$f_{adm} = H/300$$



$$J_x = \frac{5}{384} * \frac{Q * H^3}{E * f}$$

$J_x =$ [cm]⁴

$Q =$ [Kg]

$q =$ vjetar [Kg/m]²

$$Q = q * M * H = [\text{Kg}]$$

$E =$ MODUL ELASTICNOSTI
 $E =$ ELASTIC MODULUS

[Kg/cm]²

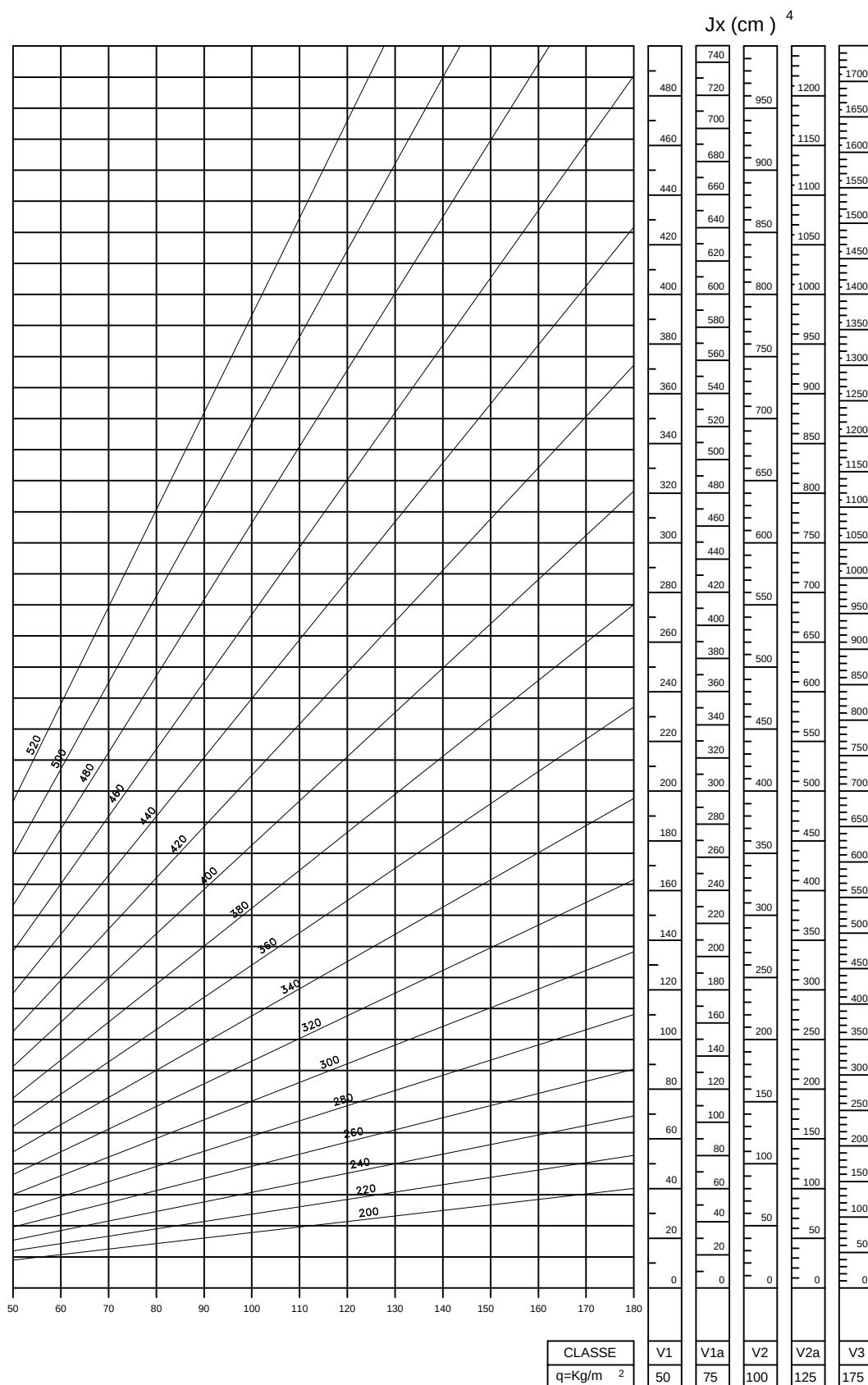
$f =$ PROGIB [cm]
 $f =$ deformation

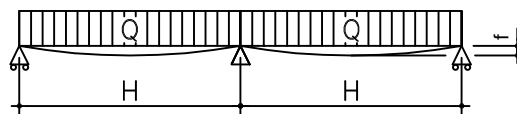
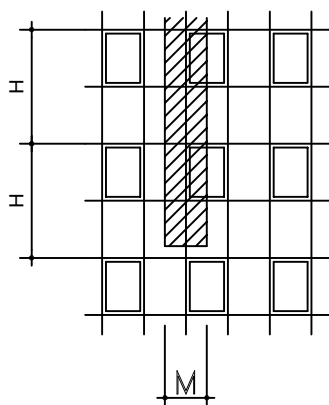
$M = 115$ cm

$H = 320$ cm

$q = 100$ Kg/m²

$J_x = 210$ cm⁴





$$f_{adm} = H/300$$

$$J_x = 0,00542 \cdot \frac{Q \cdot H^3}{E \cdot f}$$

$$J_x = [\text{cm}]^4$$

$$Q = [\text{Kg}]$$

$$q = [\text{Kg/m}]^2$$

$$Q = q \cdot M \cdot H = [\text{Kg}]$$

$$E = [\text{Kg/cm}]^2$$

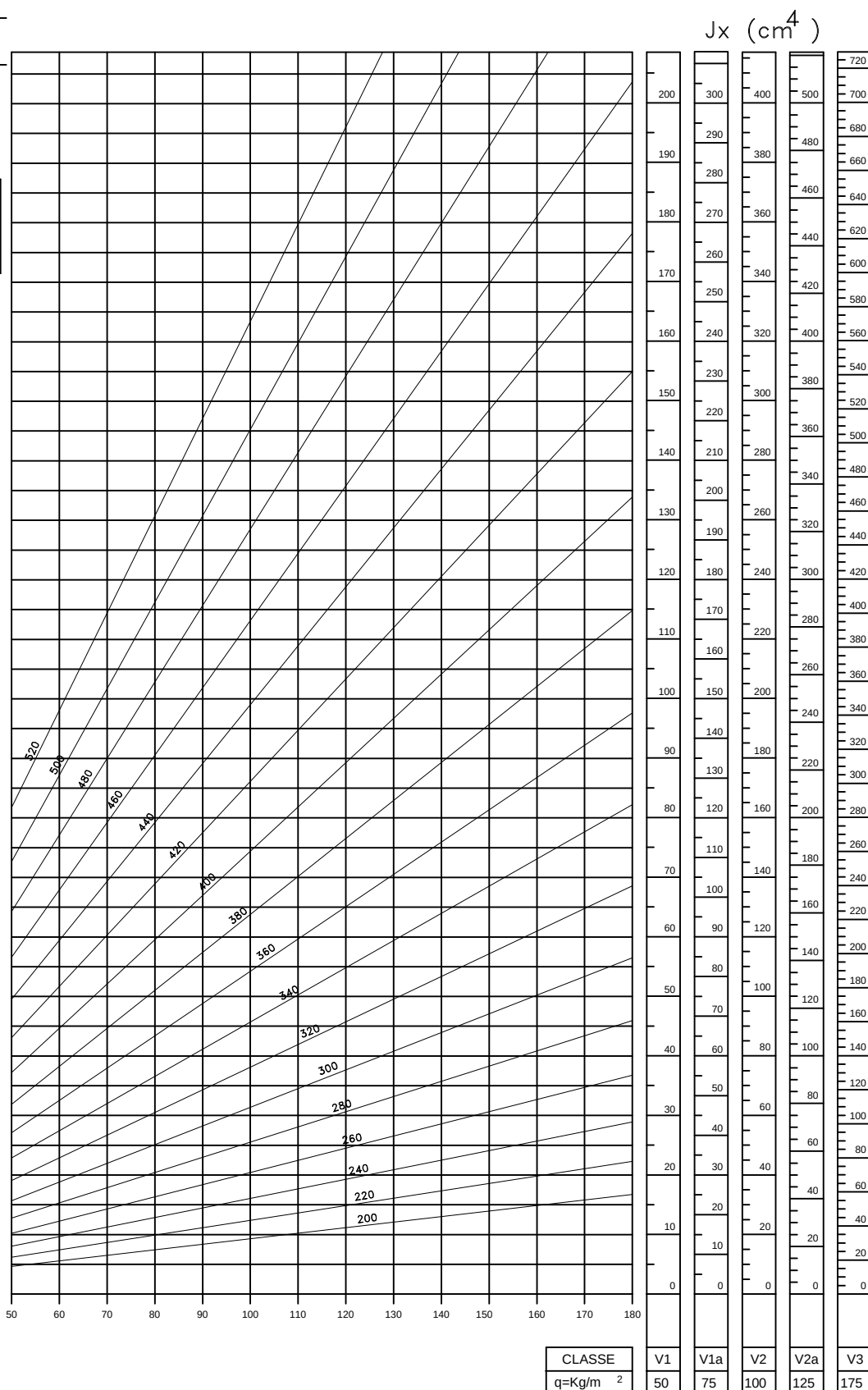
$$f = [\text{cm}]$$

$$M = 115 \text{ cm}$$

$$H = 320 \text{ cm}$$

$$q = 100 \text{ Kg/m}^2$$

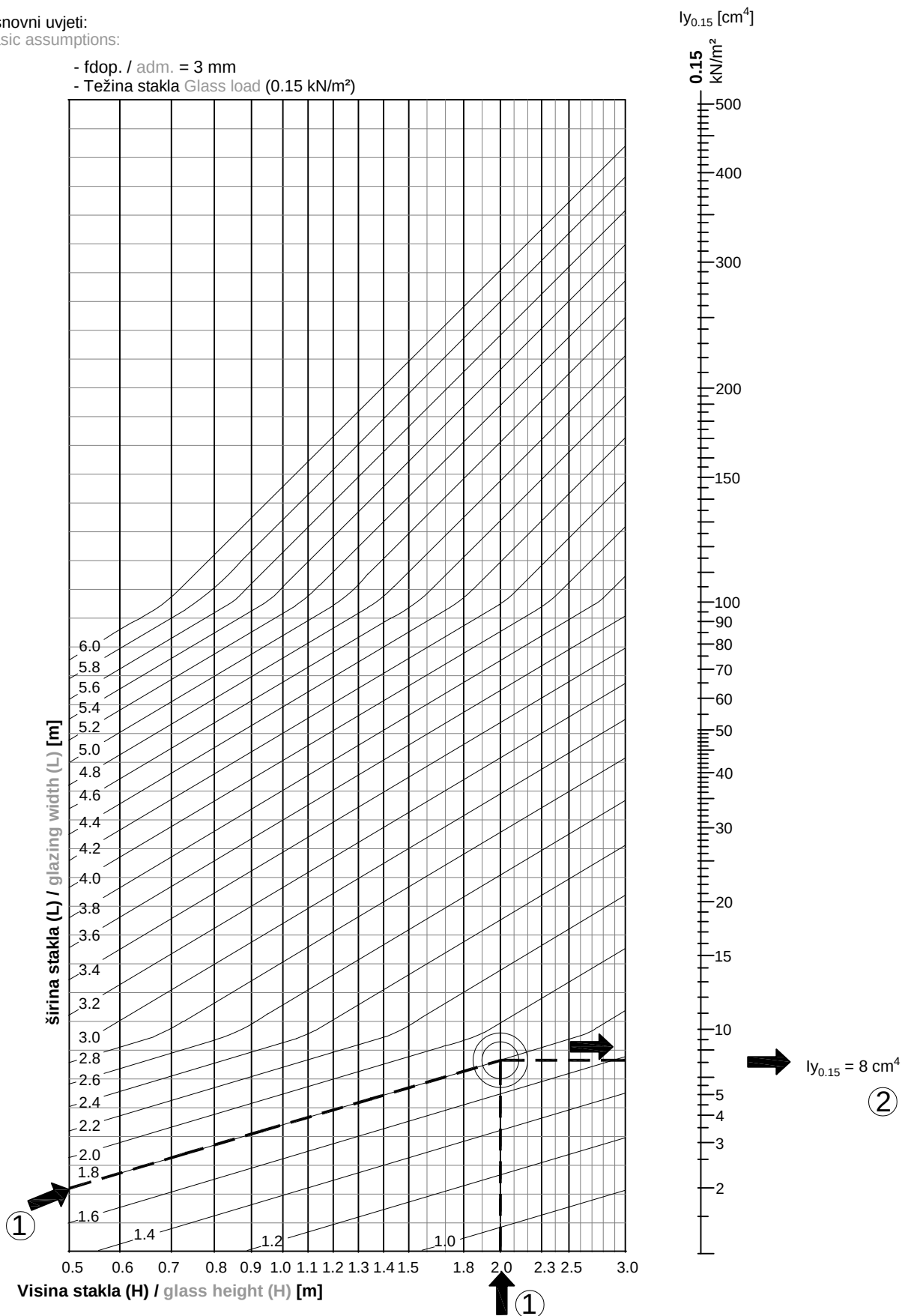
$$J_x = 87.5 \text{ cm}^4$$



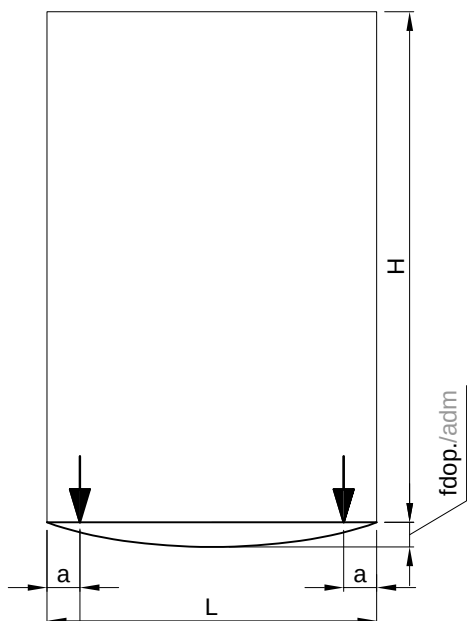
Statički dijagram Težina stakla Structural diagram glass load

Osnovni uvjeti:
Basic assumptions:

- $f_{dop.} / adm. = 3 \text{ mm}$
- Težina stakla Glass load (0.15 kN/m^2)



Statički dijagram Težina stakla Structural diagram glass load



1. Ulazni podaci / Input data:

Širina stakla / Glass width:

L = 1.80 m

Visina stakla / Glass height:

H = 2.0 m

Debljina stakla / Glass 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 $I_{y0.15} = 8 \text{ cm}^4$ 3. Određivanje potrebnog momenta I_x pod opterećenjem na objektu
Determination of required moment I_x under load on the building

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

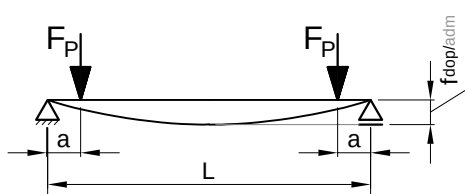
Potrebni / required $I_y = K_{20} \cdot I_{y0.15} = (3.33) \cdot 8 \text{ cm}^4 = 26,7 \text{ cm}^4$ 4. Odabrati profil vodoravnice s većim I_y
Select the transom profile with bigger I_y Moment inercije I_y mora biti veći od 26,7 cm⁴Moment of inertia I_y must be bigger than 26,7 cm⁴

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

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	(cm ⁴) = Moment inercije / Moment of inertia
F_P	(kN) = Pojedinačno opterećenje / Single load
a	(cm) = Udaljenost oslonca / Support distance
H	(cm) = Visina stakla / Glass height
L	(cm) = Širina stakla / Glass width
q_s	(kN/cm ²) = Težina stakla / Glass weight
fdop. / adm.	(cm) = dop.progib / adm. deflection

Tablica 1. Težina stakla
Table 1. Glass weight

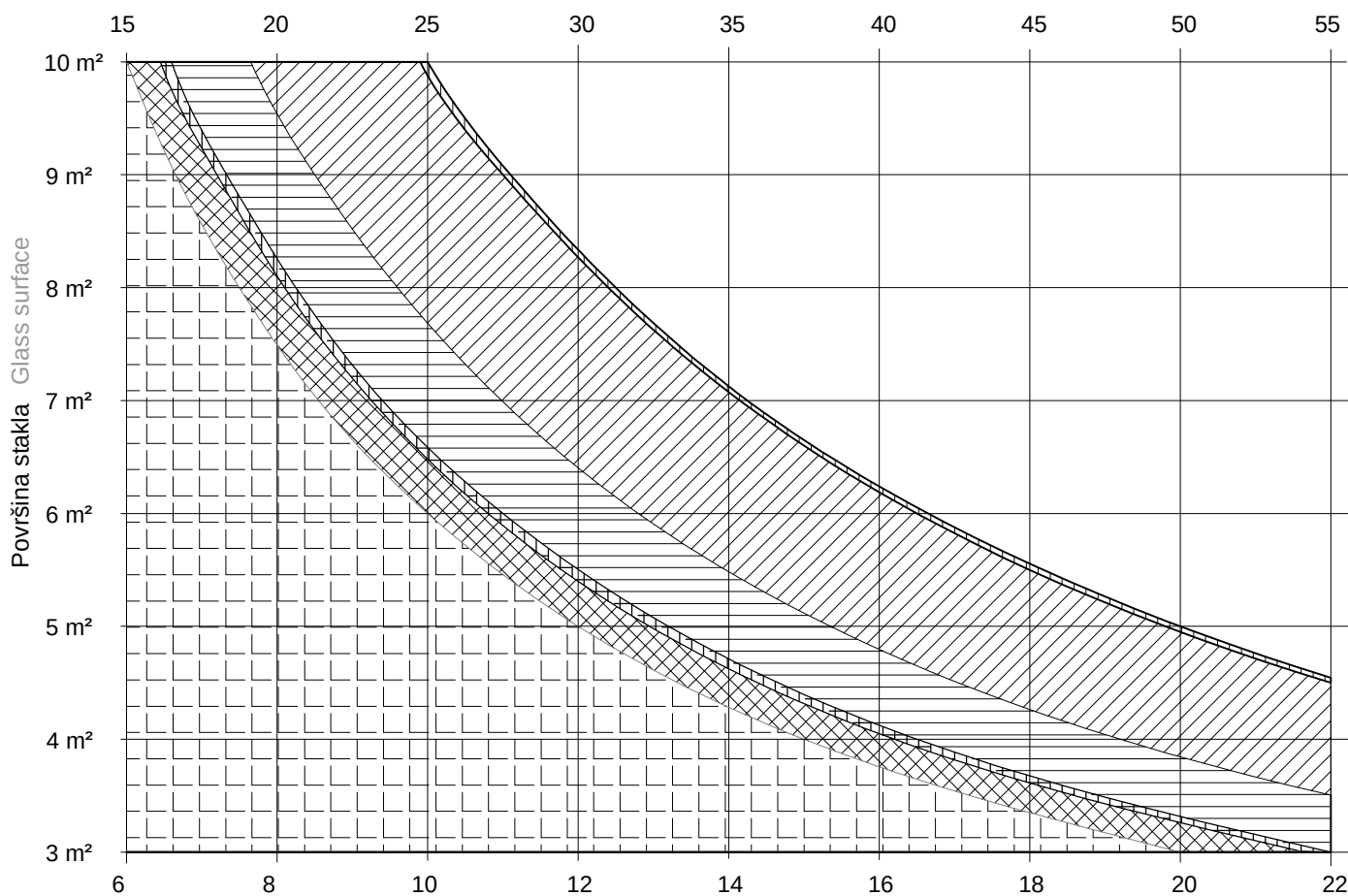
Koeficijent K Coefficient K	1	1.33	1.66	2	2.33	2.66	3	3.33	3.66	4	4.33	4.66	5	5.33	5.66	6	6.33	6.66	7	7.33	7.66	8
kN/m ²	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20	1.25
kg/m ²	15	20	25	30	35	40	45	50	55	60	65	70	80	85	90	95	100	105	110	115	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



Tehničke preporuke Technical recommendations

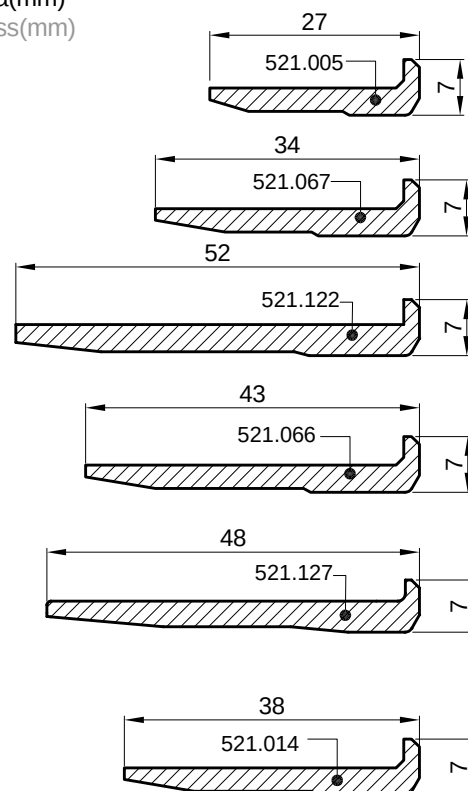
- Dijagram nosivosti držača stakla
- Load capacity of glass supports

Težina stakla (kg/m²)
Glass weight (kg/m²)



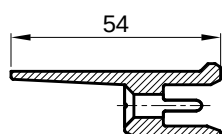
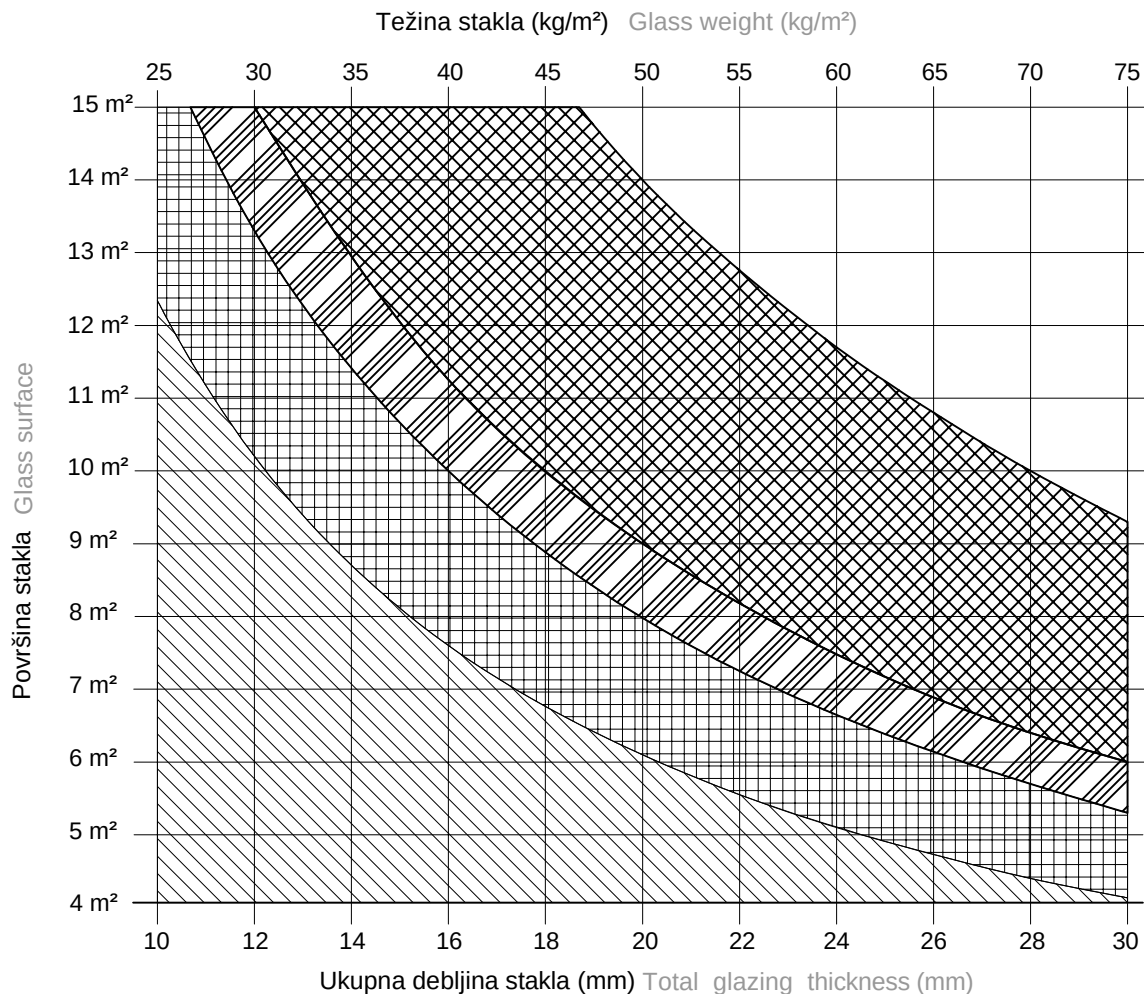
Ukupna debljina stakla(mm)
Total glazing thickness(mm)

-  521.005 27/7 nosivost 250kg (po paru)
521.005 27/7 load capacity 250kg (per pair)
-  521.067 34/7 nosivost 248kg (po paru)
521.067 34/7 load capacity 248kg (per pair)
-  521.122 52/7 nosivost 192kg (po paru)
521.122 52/7 load capacity 192kg (per pair)
-  521.066 43/7 nosivost 165 kg (po paru)
521.066 43/7 load capacity 165 kg (per pair)
-  521.127 48/7 nosivost 162kg (po paru)
521.127 48/7 load capacity 162kg (per pair)
-  521.014 38/7 nosivost 150kg (po paru)
521.014 38/7 load capacity 150kg (per pair)

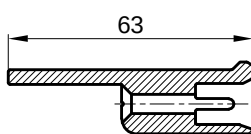


Tehničke preporuke Technical recommendations

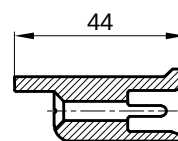
- Dijagram nosivosti držača stakla
- Load capacity of glass supports



521.064

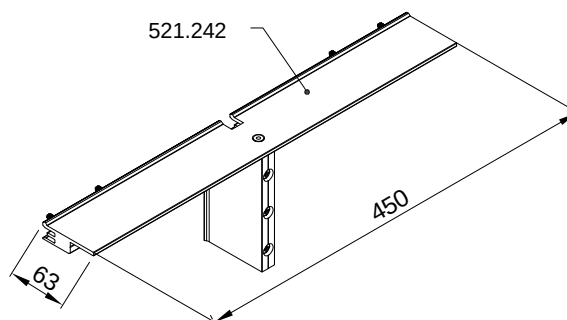


521.234



521.331

- 521.064 54/7 nosivost 305 kg (po paru)
521.064 54/7 load capacity 305 kg (per pair)
- 521.234 63/7 nosivost 400 kg (po paru)
521.234 63/7 load capacity 400 kg (per pair)
- 521.331 44/7 nosivost 450 kg (po paru)
521.331 44/7 load capacity 450 kg (per pair)
- 521.242 nosivost 700 kg (po paru)
521.330 load capacity 700 kg (per pair)



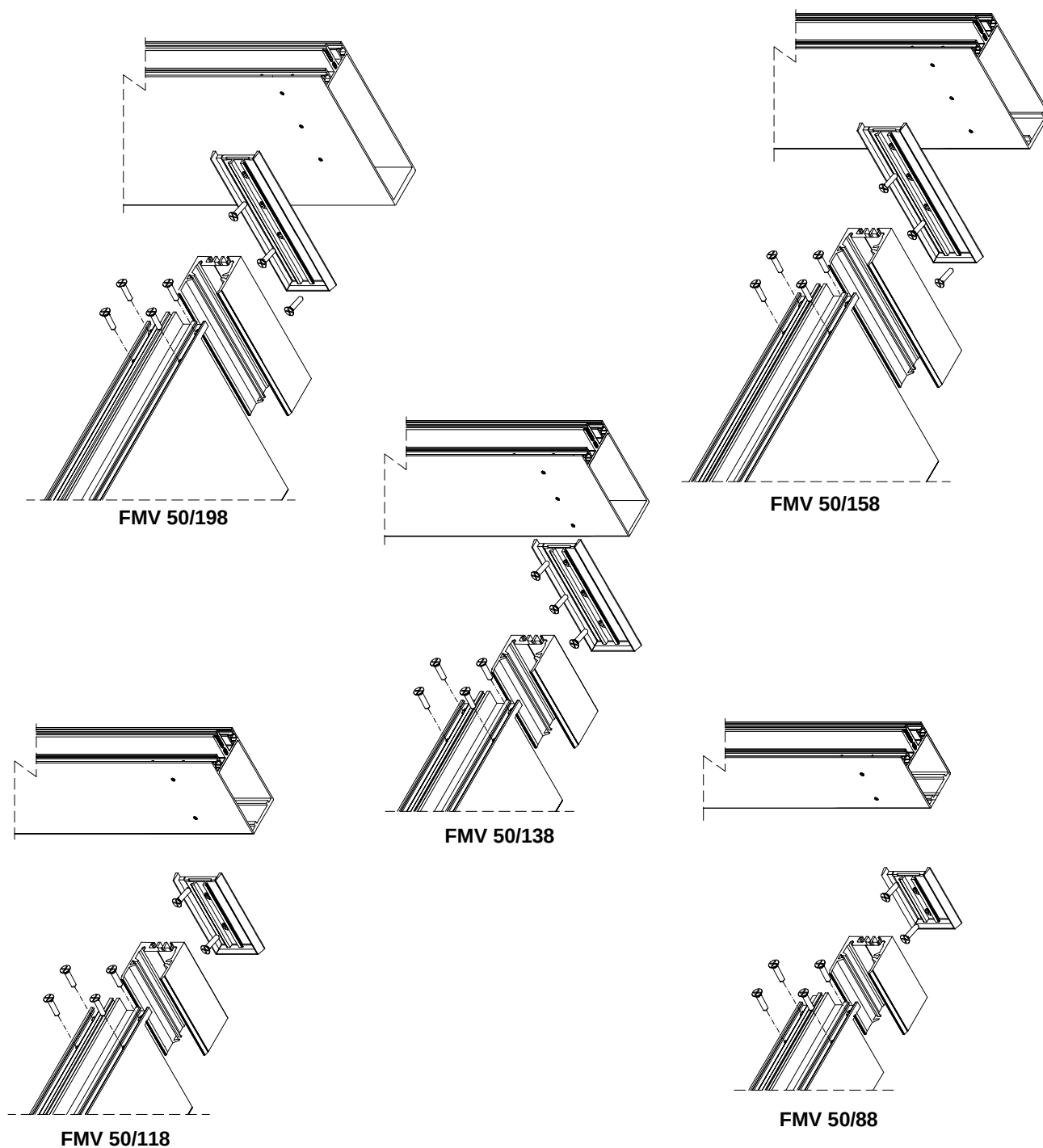
Tehničke preporuke Technical recommendations

Maksimalna opterećenost vijčanog spoja okomica i vodoravnica*
Maximal load of screw connection between mullion and transom*

Tip vijka Screw type	Profil vodoravnice Transom profile	FMV 50/268	FMV 50/198	FMV 50/158	FMV 50/138	FMV 50/118	FMV 50/88
4.8 DIN 7981/7982		480 kg	480 kg	480 kg	480 kg	320 kg	320 kg
5.5 DIN 7981/7982		660 kg	660 kg	660 kg	680 kg	440 kg	440 kg
6.3 DIN 7981/7982		916 kg	916 kg	916 kg	916 kg	611 kg	611 kg

*Vrijednosti se odnose na ukupnu nosivost lijevog i desnog spoja

*Values refer to the total load of both right and the left connection



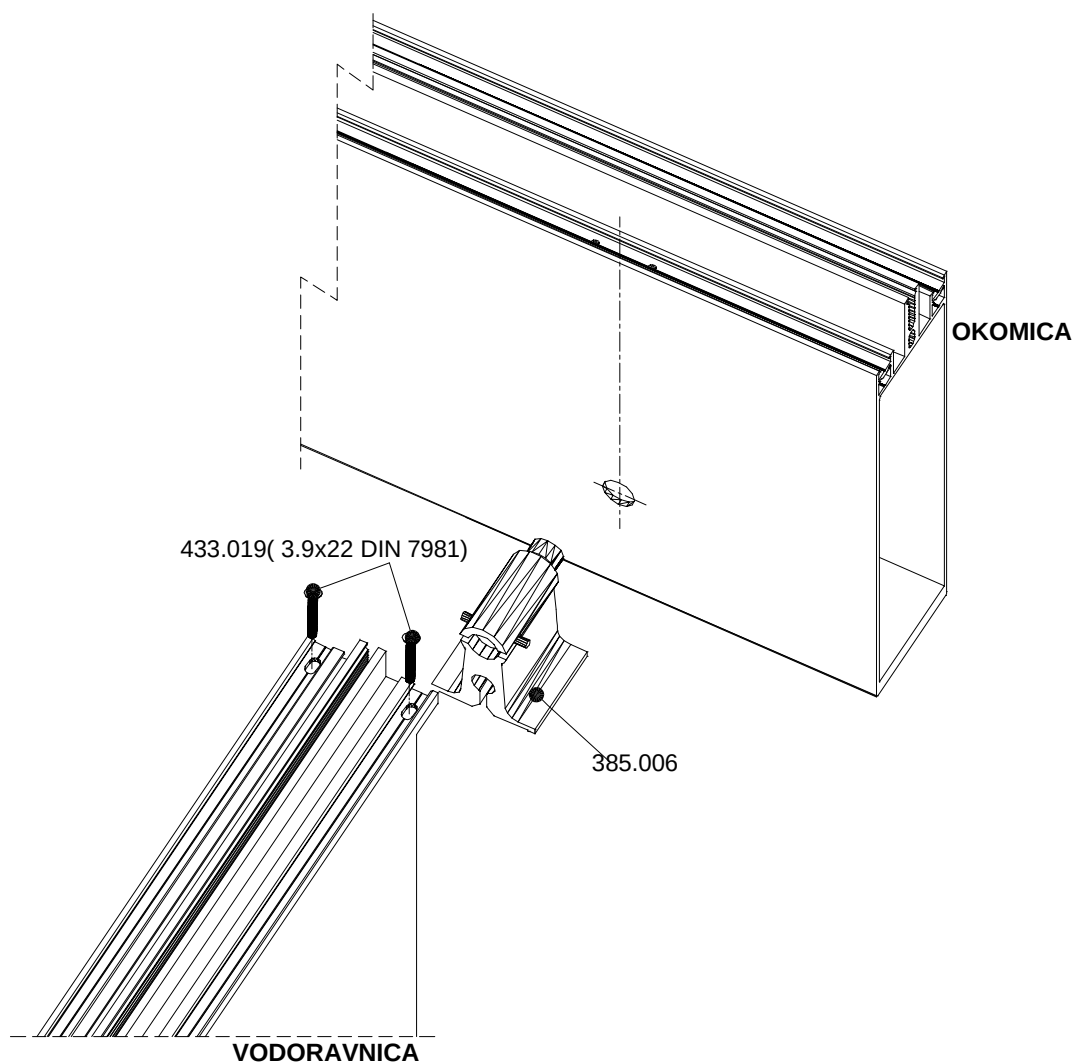
Tehničke preporuke
Technical recommendations

Maksimalna nosivost spoja okomice i vodoravnice spojnicom 385.006*
Maximal load of connection between mullion and transom with connector 385.006*

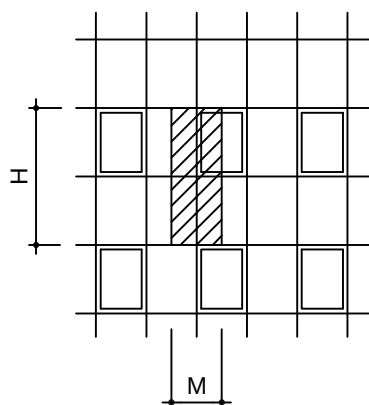
Profil vodoravnice Transom profile	FMV 50/268 FMV 50/198 FMV 50/158 FMV 50/138 FMV 50/118 FMV 50/88
Tip veze Connection type	385.006 + 433.019 (3.9x22 DIN 7981)
Maksimalna nosivost Maximal load	400 kg

*Vrijednosti se odnose na ukupnu nosivost lijevog i desnog spoja

*Values refer to the total load on both right and the left connection



Tehničke preporuke Technical recommendations

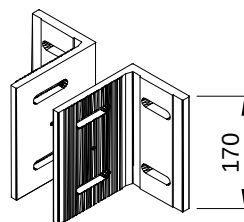
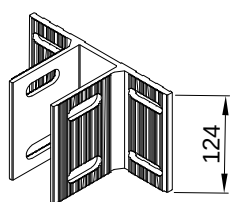
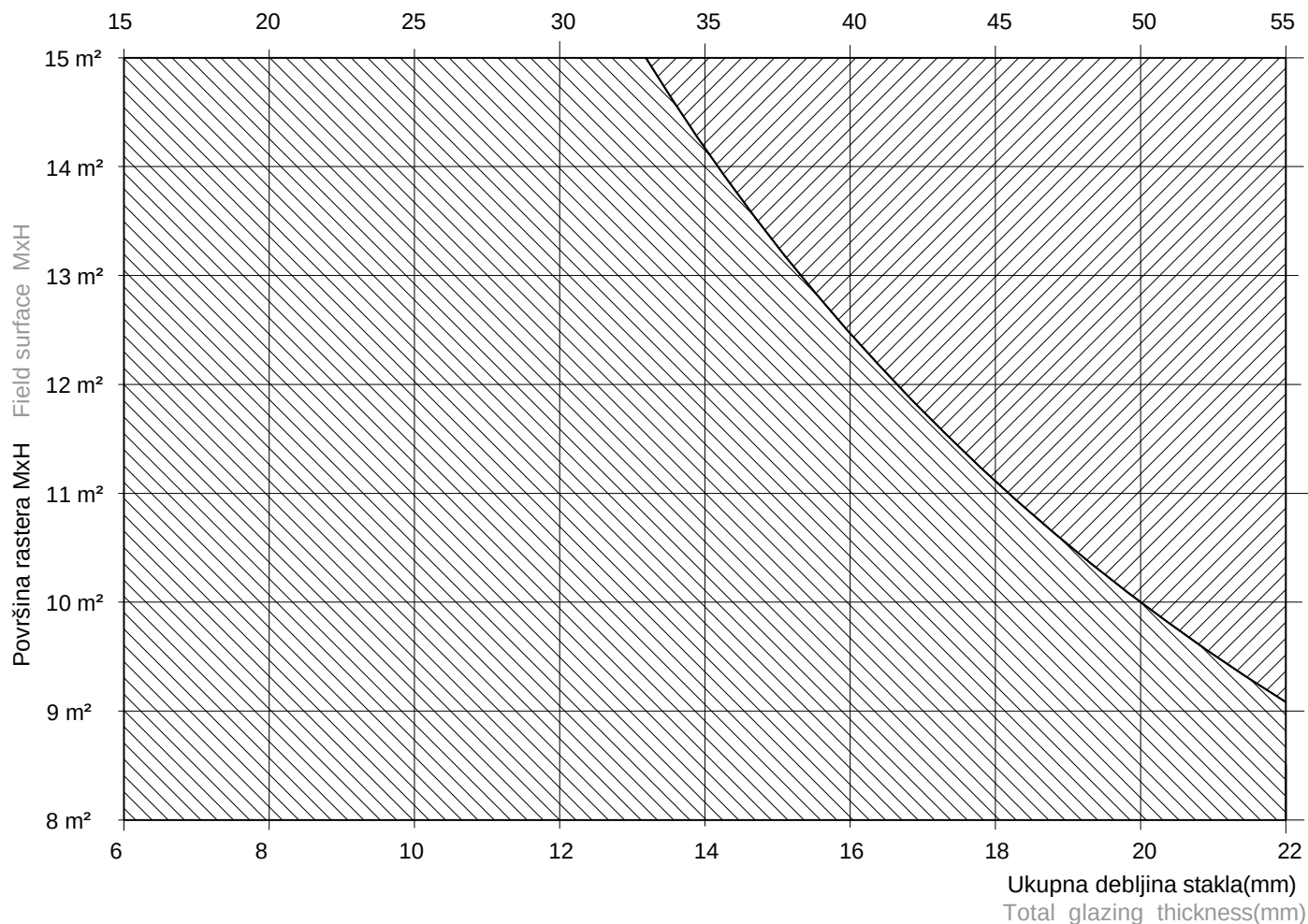


H - okomiti raspon rastera (visina između nosivih nosača)
H - vertical field height (height between facade supports)

M - vodoravni raspon rastera
M - horizontal field width

- Dijagram nosivosti nosača okomice
- Load capacity of facade supports

Težina stakla po (kg/m²)
Glass weight (kg/m²)

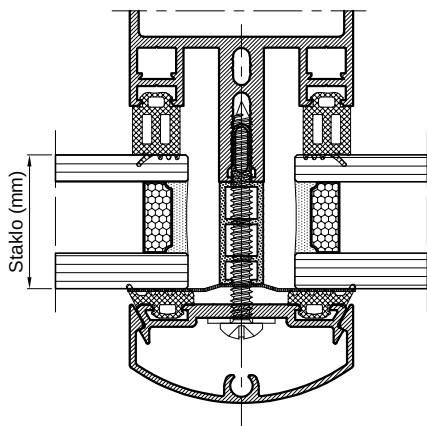


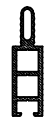
501.019 nosivost 500 kg

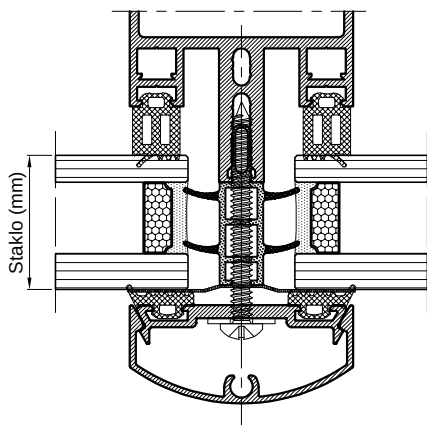
501.004 nosivost 1500 kg

501.019 load capacity 500 kg

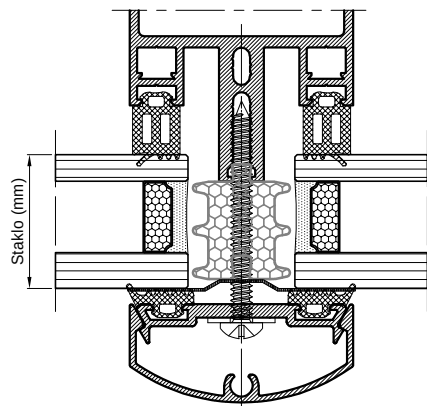
501.004 load capacity 1500 kg

Termički proračun
Thermal calculationAnaliza i primjena termičkih izračuna fiksnih polja u fasadi 50 FK
Analysis and application of thermal calculations of fixed fields in the 50 FK facade

U _f vrijednosti za poliamide bez pera (W/m ² K) U _f values for polyamides without wings (W/m ² K)		Okomica (mm)					
							
Staklo (mm)	30	2.3	2.4	2.4	2.4	2.4	2.4
	36	2.1	2.2	2.2	2.2	2.2	2.3
	44	1.9	2.0	2.0	2.0	2.0	2.0



U _f vrijednosti za poliamide s perima (W/m ² K) U _f values for polyamides with wings (W/m ² K)		Okomica (mm)					
							
Staklo (mm)	30	1.7	1.7	1.7	1.7	1.8	1.8
	36	1.5	1.5	1.6	1.6	1.6	1.6
	44	1.3	1.4	1.4	1.4	1.4	1.4



U _f vrijednosti za spužvice - XPS (W/m ² K) U _f values for Extruded Polystyrene - XPS (W/m ² K)		Okomica (mm)					
							
Staklo (mm)	30	1.2	1.2	1.2	1.2	1.2	1.2
	36	1.1	1.1	1.1	1.1	1.1	1.1
	44	0.786	0.792	0.786	0.793	0.797	0.797

Proračun koeficijenta prolaska topline za fasade:

$$U_{cw} = \frac{\Sigma A_g \cdot U_g + \Sigma A_p \cdot U_p + \Sigma A_m \cdot U_m + \Sigma A_t \cdot U_t + \Sigma A_f \cdot U_f + \Sigma l_{gf} \cdot \psi_{gf} + \Sigma l_{mg} \cdot \psi_{mg} + \Sigma l_p \cdot \psi_p + \Sigma l_{mf} \cdot \psi_{mf} + \Sigma l_{tf} \cdot \psi_{tf}}{A_{cw}}$$

Korišteni simboli / Used symbols

A	(mm ²) = površina / area
B	(mm) = prednja širina profila / front width of the profile
U	(W/m ² K) = koef. toplotnog prijenosa / heat transfer coefficient
l	(m) = dužina linijskog toplinskog mosta / length of line thermal bridge
λ	(W/m·K) = koef. toplinske provodljivosti / thermal conductivity coefficient
ψ	(W/m·K) = linijski koef. prolaska topline / linear heat transfer coefficient

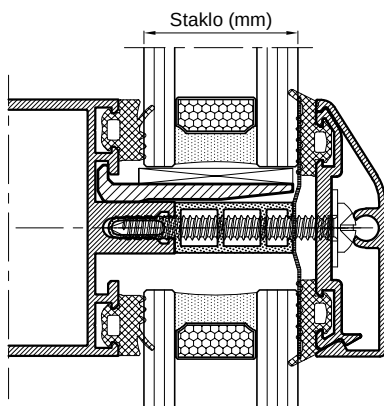
Korišteni indeksi / Used indexes

cw	fasada / facade
f	okvir / frame
g	staklo / glass
m	okomica / mullion
t	vodoravnica / transom
p	panel / panel
w	prozor / window

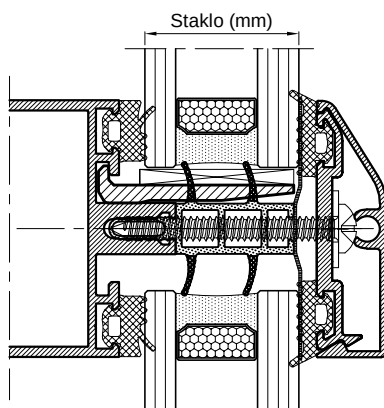
Termički proračun
Thermal calculation

Analiza i primjena termičkih izračuna fiksnih polja u fasadi 50 FK

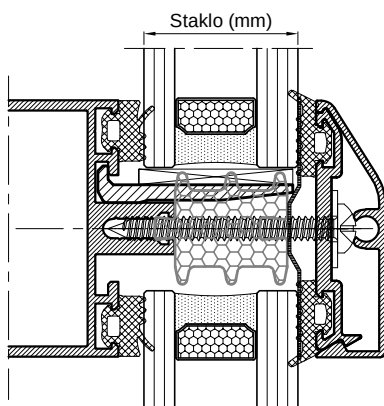
Analysis and application of thermal calculations of fixed fields in the 50 FK facade



U _f vrijednosti za poliamide bez pera (W/m ² K) U _f values for polyamides without wings (W/m ² K)							
		Vodoravnica (mm)					
		88	118	138	158	198	268
Staklo (mm)	30	2.1	2.2	2.2	2.2	2.2	2.2
	36	1.9	2.0	2.0	2.0	2.0	2.0
	44	1.7	1.8	1.8	1.8	1.8	1.8



U _f vrijednosti za poliamide s perima (W/m ² K) U _f values for polyamides with wings (W/m ² K)							
		Vodoravnica (mm)					
		88	118	138	158	198	268
Staklo (mm)	30	1.7	1.7	1.7	1.7	1.8	1.8
	36	1.5	1.5	1.5	1.6	1.6	1.6
	44	1.3	1.3	1.4	1.4	1.4	1.4



U _f vrijednosti za spužvice - XPS (W/m ² K) U _f values for Extruded Polystyrene - XPS (W/m ² K)							
		Vodoravnica (mm)					
		88	118	138	158	198	268
Staklo (mm)	30	1.2	1.2	1.2	1.2	1.2	1.2
	36	1.1	1.1	1.1	1.1	1.1	1.1
	44	0.780	0.786	0.788	0.794	0.795	0.802

Proračun koeficijenta prolaska topline za fasade:

$$U_{cw} = \frac{\Sigma A_g \cdot U_g + \Sigma A_p \cdot U_p + \Sigma A_m \cdot U_m + \Sigma A_t \cdot U_t + \Sigma A_f \cdot U_f + \Sigma l_{gf} \cdot \Psi_{gf} + \Sigma l_{mg} \cdot \Psi_{mg} + \Sigma l_p \cdot \Psi_p + \Sigma l_{mf} \cdot \Psi_{mf} + \Sigma l_{tf} \cdot \Psi_{tf}}{A_{cw}}$$

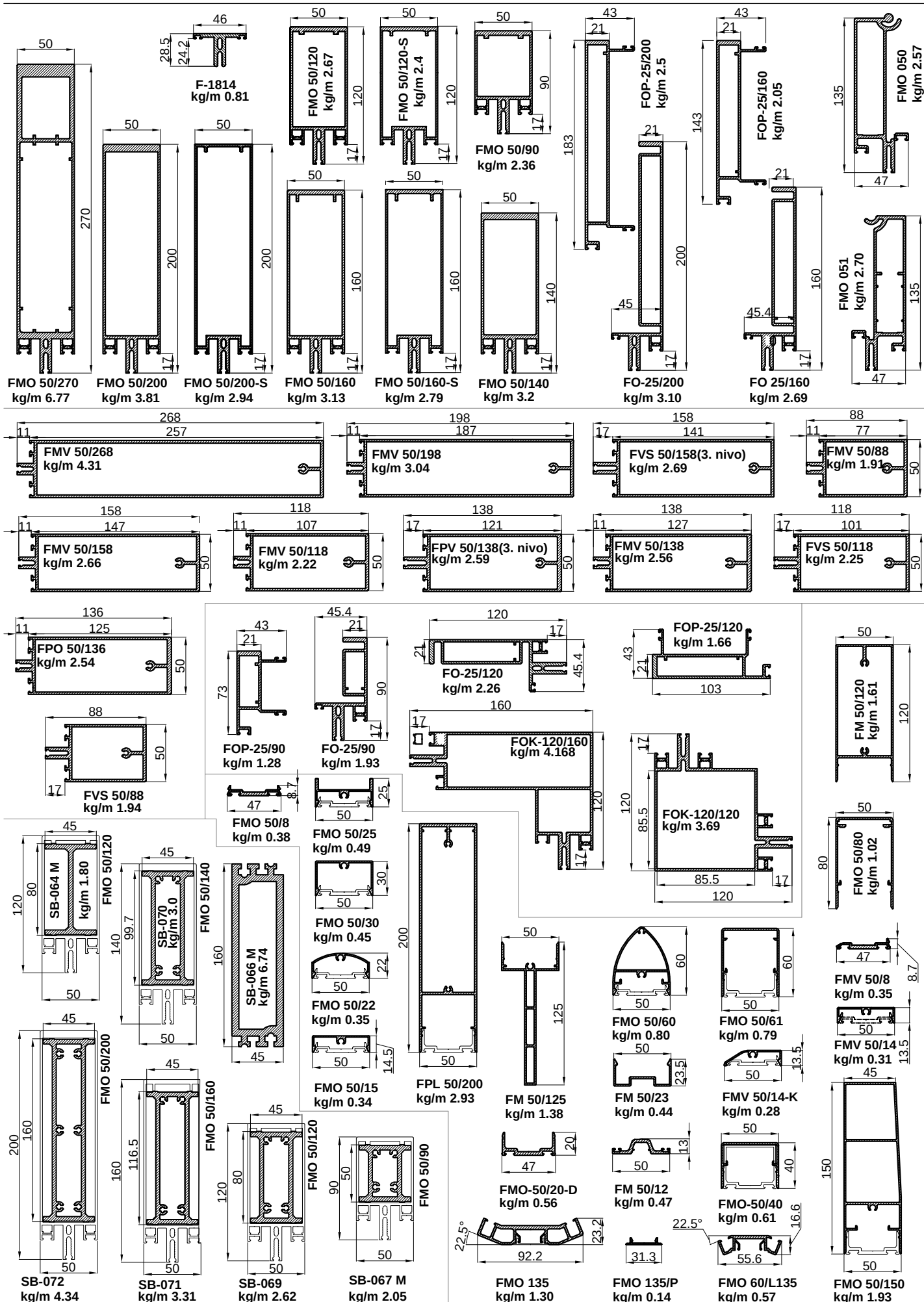
Korišteni simboli / Used symbols

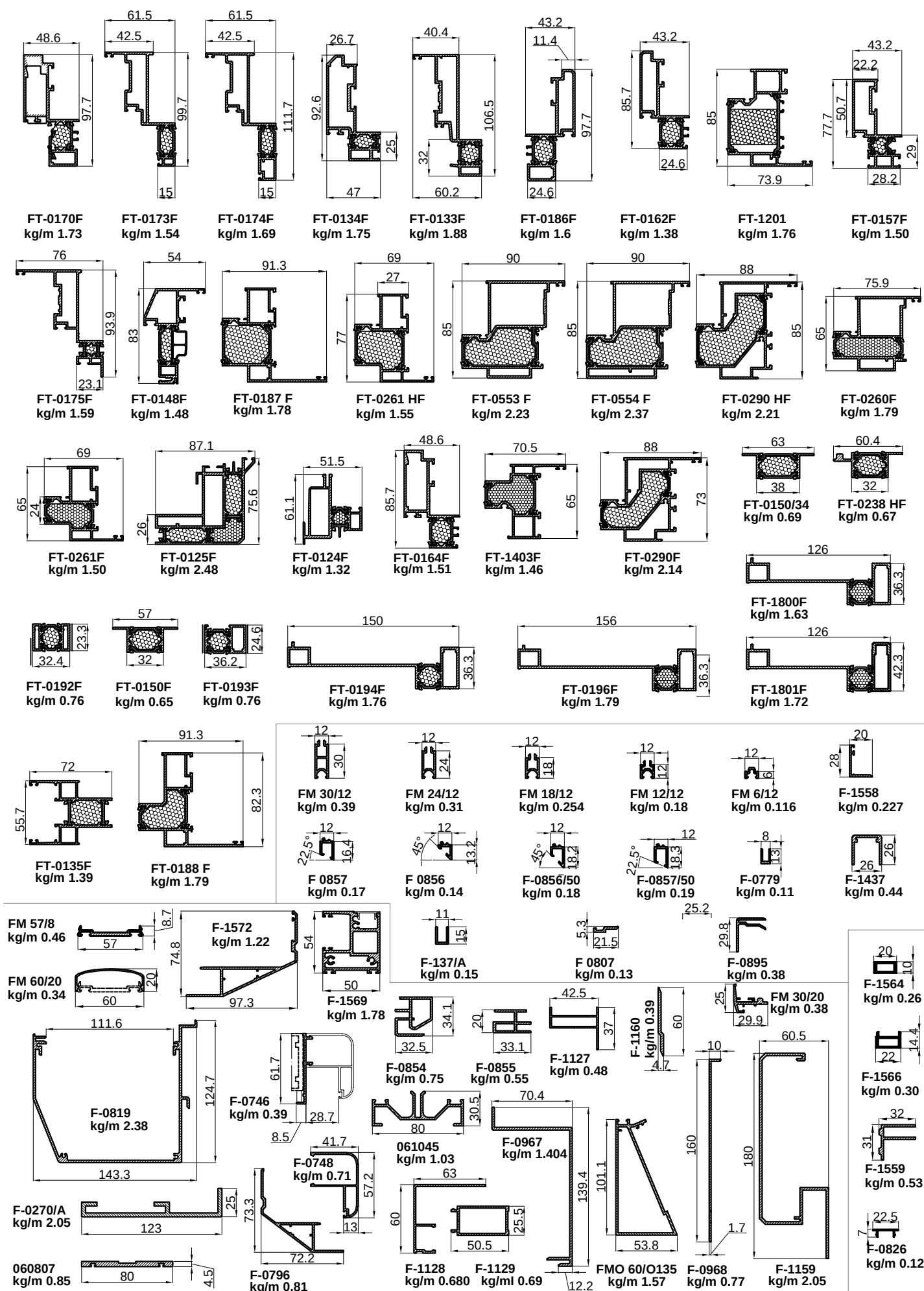
A	(mm ²) = površina / area
B	(mm) = prednja širina profila / front width of the profile
U	(W/m ² K) = koef. toplotnog prijenosa / heat transfer coefficient
l	(m) = dužina linijskog toplinskog mosta / length of line thermal bridge
λ	(W/m·K) = koef. toplinske provodljivosti / thermal conductivity coefficient
Ψ	(W/m·K) = linijski koef. prolaska topline / linear heat transfer coefficient

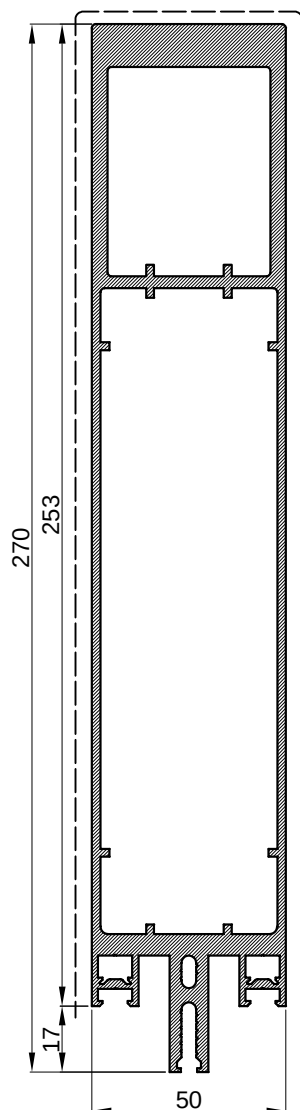
Korišteni indeksi / Used indexes

cw	fasada / facade
f	okvir / frame
g	staklo / glass
m	okomica / mullion
t	vodoravnica / transom
p	panel / panel
w	prozor / window

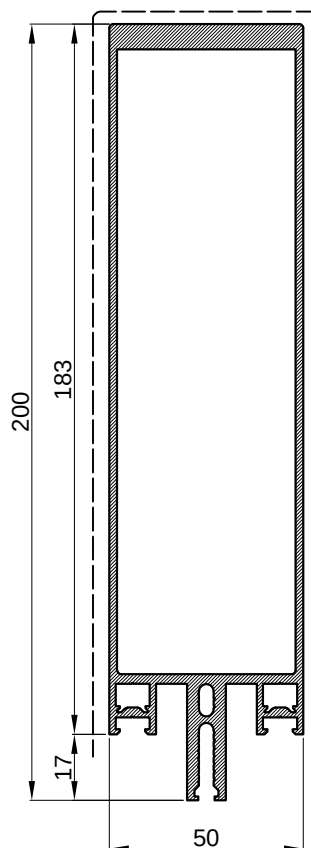
Profili Profiles



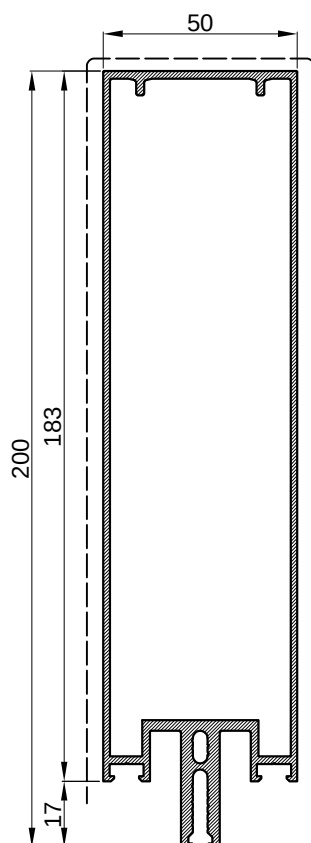




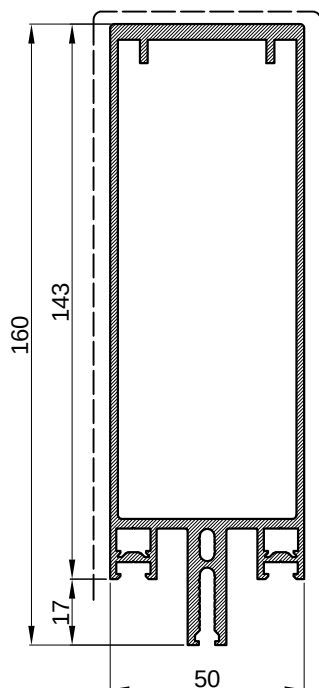
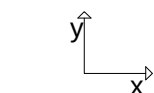
Okomica Mullion			
Art.Br. Art.Nr.	FMO 50/270		
Težina Weight	kg/m'	6.77	
Opseg Perimeter	mm	761.3	
Moment inerције Moments of inertia	I _x (cm ⁴)	2258.80	
	I _y (cm ⁴)	91.46	
	W _x (cm ³)	147.00	
	W _y (cm ³)	36.58	
L	mm	≤6800	



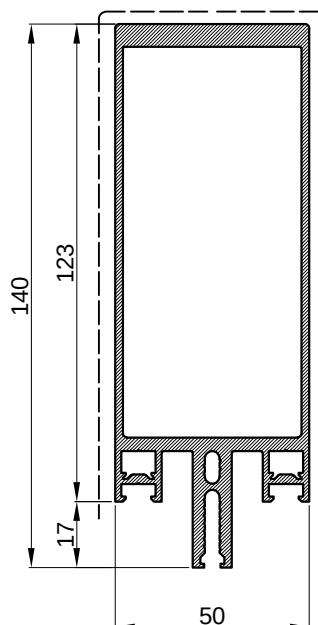
Okomica Mullion			
Art.Br. Art.Nr.	FMO 50/200		
Težina Weight	kg/m'	3.81	
Opseg Perimeter	mm	621.30	
Moment inercije Moments of inertia	I _x (cm ⁴)	721.91	
	I _y (cm ⁴)	51.55	
	W _x (cm ³)	69.5	
	W _y (cm ³)	20.62	
L	mm	≤6800	



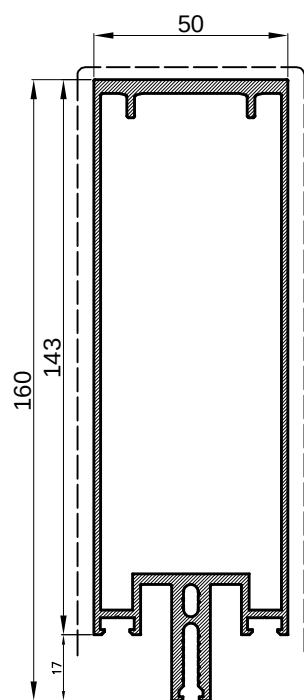
Okomica Mullion			
Art.Br. Art.Nr.	FMO 50/200-S		
Težina Weight	kg/m'	2.94	
Opseg Perimeter	mm	621	
Moment inercije Moments of inertia	I _x (cm ⁴)	499.32	
	I _y (cm ⁴)	41.6	
	W _x (cm ³)	45.07	
	W _y (cm ³)	16.64	
L	mm	≤6800	



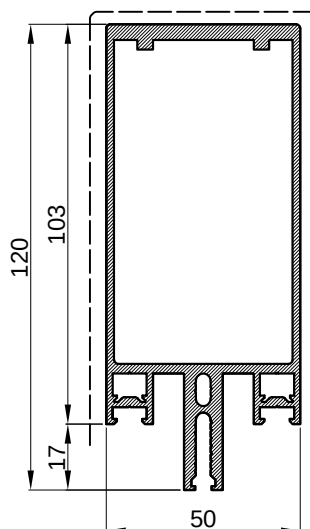
Okomica Mullion		
Art.Br. Art.Nr.	FMO 50/160	
Težina Weight	kg/m'	3.13
Opseg Perimeter	mm	540.70
Moment inercije Moments of inertia	I _x (cm ⁴)	357.47
	I _y (cm ⁴)	40.94
	W _x (cm ³)	44.13
	W _y (cm ³)	16.38
L	mm	≤ 6800



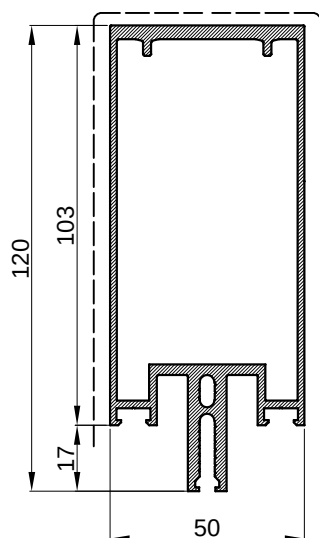
Okomica Mullion		
Art.Br. Art.Nr.	FMO 50/140	
Težina Weight	kg/m'	3.2
Opseg Perimeter	mm	501.02
Moment inercije Moments of inertia	I _x (cm ⁴)	282.65
	I _y (cm ⁴)	37.96
	W _x (cm ³)	39.38
	W _y (cm ³)	15.18
L	mm	≤ 6800



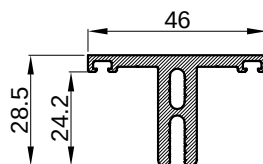
Okomica Mullion		
Art.Br. Art.Nr.	FMO 50/160-S	
Težina Weight	kg/m'	2.787
Opseg Perimeter	mm	542
Moment inercije Moments of inertia	I _x (cm ⁴)	327.05
	I _y (cm ⁴)	35.12
	W _x (cm ³)	39.88
	W _y (cm ³)	14.05
L	mm	≤ 6800



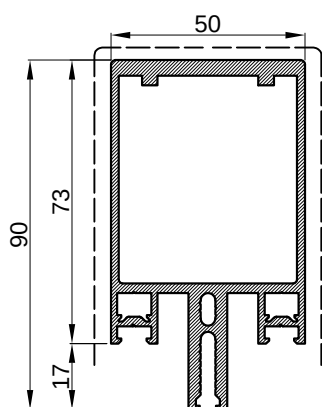
Okomica Mullion		
Art.Br. Art.Nr.	FMO 50/120	
Težina Weight	kg/m'	2.67
Opseg Perimeter	mm	466.566
Moment inercije Moments of inertia	I _x (cm ⁴)	159.04
	I _y (cm ⁴)	30.96
	W _x (cm ³)	26.41
	W _y (cm ³)	12.38
L	mm	≤ 6800



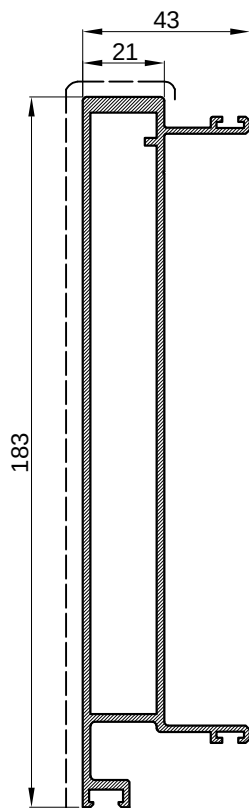
Okomica Mullion		
Art.Br. Art.Nr.	FMO 50/120-S	
Težina Weight	kg/m'	2.398
Opseg Perimeter	mm	462
Moment inerције Moments of inertia	I _x (cm ⁴)	151.37
	I _y (cm ⁴)	26.99
	W _x (cm ³)	25.07
	W _y (cm ³)	10.8
L	mm	≤ 6800



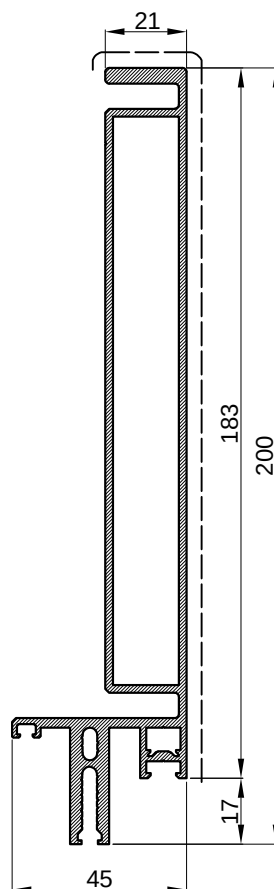
Okomica/vodoravnica za drvenu ili čeličnu podkonstrukciju Mullion/transom for wooden or steel substructure		
Art.Br. Art.Nr.	F-1814	
Težina Weight	kg/m'	0.81
Opseg Perimeter	mm	300.883
Moment inercije Moments of inertia	I _x (cm ⁴)	2.460
	I _y (cm ⁴)	2.290
	W _x (cm ³)	1.070
	W _y (cm ³)	1.190
L	mm	≤ 6800



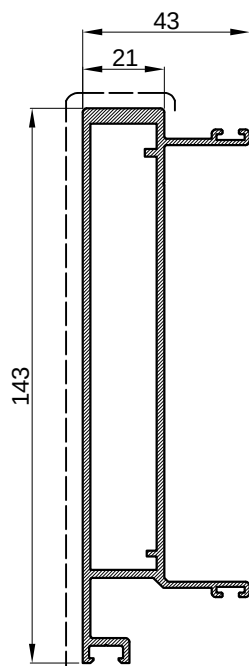
Okomica Mullion		
Art.Br. Art.Nr.	FMO 50/90	
Težina Weight	kg/m'	2.36
Opseg Perimeter	mm	401.13
Moment inercije Moments of inertia	I _x (cm ⁴)	75.03
	I _y (cm ⁴)	24.61
	W _x (cm ³)	15.72
	W _y (cm ³)	9.85
L	mm	≤ 6800



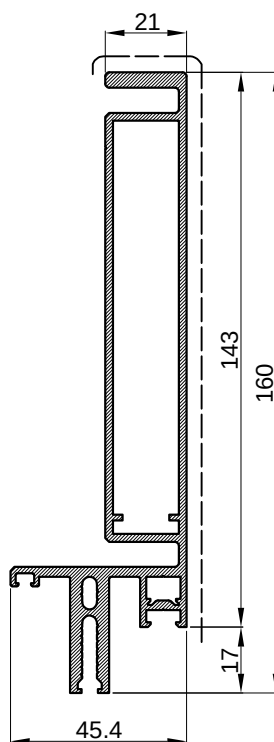
Okomica(dvodijelna) Mullion (two-part)		
Art.Br. Art.Nr.	* FOP-25/200	
Težina Weight	kg/m'	2.50
Opseg Perimeter	mm	563.10
Moment inercije Moments of inertia	I _x (cm ⁴)	329.30
	I _y (cm ⁴)	11.40
	W _x (cm ³)	34.00
	W _y (cm ³)	3.70
L	mm	≤6800



Okomica(dvodijelna) Mullion (two-part)		
Art.Br. Art.Nr.	* FO-25/200	
Težina Weight	kg/m'	3.10
Opseg Perimeter	mm	658.87
Moment inercije Moments of inertia	I _x (cm ⁴)	479.27
	I _y (cm ⁴)	13.26
	W _x (cm ³)	43.84
	W _y (cm ³)	4.230
L	mm	≤6800

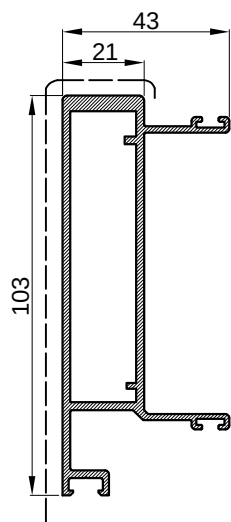


Okomica(dvodijelna) Mullion (two-part)		
Art.Br. Art.Nr.	FOP-25/160	
Težina Weight	kg/m'	2.05
Opseg Perimeter	mm	479.00
Moment inercije Moments of inertia	I _x (cm ⁴)	172.32
	I _y (cm ⁴)	9.83
	W _x (cm ³)	22.40
	W _y (cm ³)	3.23
L	mm	≤6800

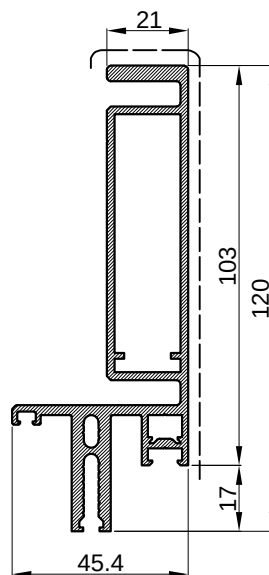


Okomica(dvodijelna) Mullion (two-part)		
Art.Br. Art.Nr.	FO-25/160	
Težina Weight	kg/m'	2.69
Opseg Perimeter	mm	581.36
Moment inercije Moments of inertia	I _x (cm ⁴)	258.47
	I _y (cm ⁴)	11.78
	W _x (cm ³)	29.5
	W _y (cm ³)	3.77
L	mm	≤6800

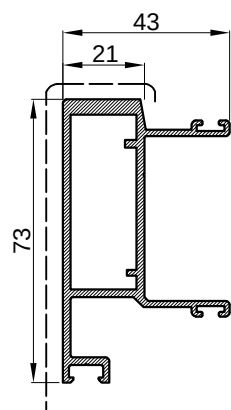
* profili koji podliježu posebnoj narudžbi
* profiles that require special order



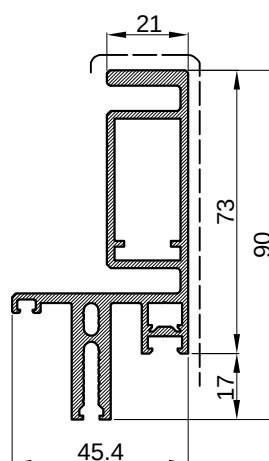
Okomica (dvodijelna) Mullion (two-part)		
Art.Br. Art.Nr.	FOP-25/120	
Težina Weight	kg/m'	1.66
Opseg Perimeter	mm	406.52
Moment inerције Moments of inertia	I _x (cm ⁴)	70.39
	I _y (cm ⁴)	8.28
	W _x (cm ³)	12.41
	W _y (cm ³)	2.77
L	mm	≤6800



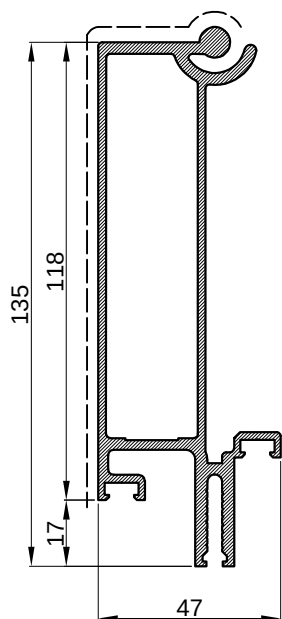
Okomica (dvodijelna) Mullion (two-part)		
Art.Br. Art.Nr.	FO-25/120	
Težina Weight	kg/m'	2.26
Opseg Perimeter	mm	500.0
Moment inerције Moments of inertia	I _x (cm ⁴)	114.26
	I _y (cm ⁴)	10.07
	W _x (cm ³)	17.63
	W _y (cm ³)	2.70
L	mm	≤6800



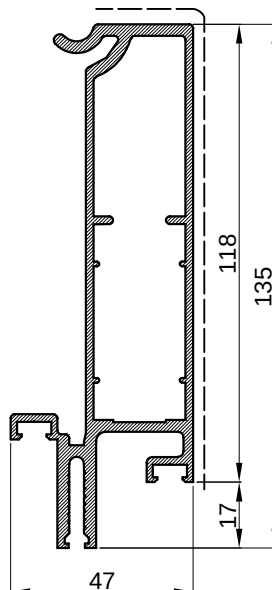
Okomica (dvodijelna) Mullion (two-part)		
Art.Br. Art.Nr.	FOP-25/90	
Težina Weight	kg/m'	1.28
Opseg Perimeter	mm	339.00
Moment inerције Moments of inertia	I _x (cm ⁴)	25.00
	I _y (cm ⁴)	6.74
	W _x (cm ³)	6.00
	W _y (cm ³)	2.30
L	mm	≤6800



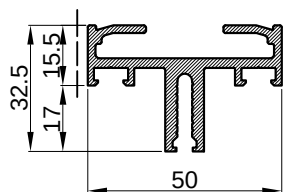
Okomica (dvodijelna) Mullion (two-part)		
Art.Br. Art.Nr.	FO-25/90	
Težina Weight	kg/m'	1.93
Opseg Perimeter	mm	439.10
Moment inercije Moments of inertia	I _x (cm ⁴)	49.45
	I _y (cm ⁴)	8.71
	W _x (cm ³)	10.55
	W _y (cm ³)	3.3
L	mm	≤6800



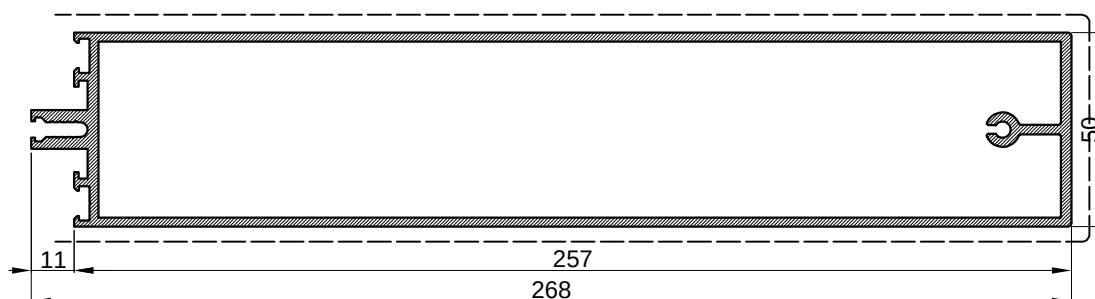
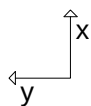
Okomica (dvodijelna) Mullion (two-part)		
Art.Br. Art.Nr.	FMO 050	
Težina Weight	kg/m'	2.570
Opseg Perimeter	mm	552.00
Moment inercije Moments of inertia	I _x (cm ⁴)	200.47
	I _y (cm ⁴)	16.72
	W _x (cm ³)	28.83
	W _y (cm ³)	6.11
L	mm	≤6800



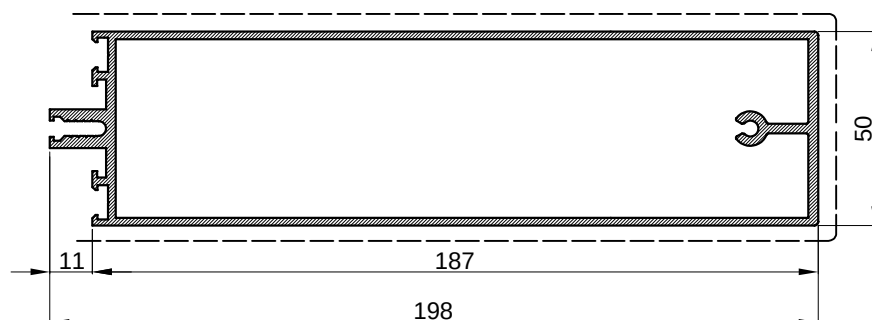
Okomica (dvodijelna) Mullion (two-part)		
Art.Br. Art.Nr.	FMO 051	
Težina Weight	kg/m'	2.70
Opseg Perimeter	mm	526.00
Moment inercije Moments of inertia	I _x (cm ⁴)	177.48
	I _y (cm ⁴)	15.59
	W _x (cm ³)	22.47
	W _y (cm ³)	2.73
L	mm	≤6800



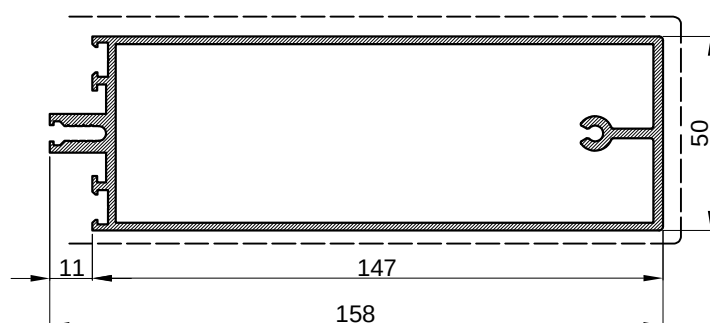
Okomica za drvenu ili čeličnu podkonstrukciju Mullion for wooden or steel substructure		
Art.Br. Art.Nr.	FMO 50/32	
Težina Weight	kg/m'	1.03
Opseg Perimeter	mm	318.91
Moment inercije Moments of inertia	I _x (cm ⁴)	2.520
	I _y (cm ⁴)	7.820
	W _x (cm ³)	1.240
	W _y (cm ³)	3.130
L	mm	≤6800



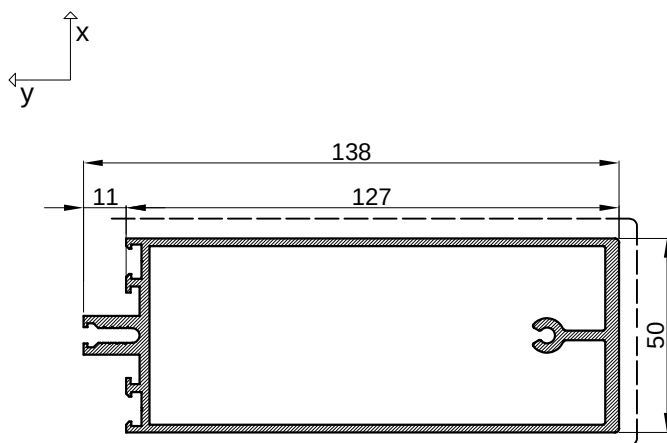
Vodoravnica Transom		
Art.Br. Art.Nr.	FMV 50/268	
Težina Weight	kg/m'	4.31
Opseg Perimeter	mm	711.26
Moment inercije Moments of inertia	I _x (cm ⁴)	1296.66
	I _y (cm ⁴)	71.60
	W _x (cm ³)	94.86
	W _y (cm ³)	28.64
L	mm	≤ 6800



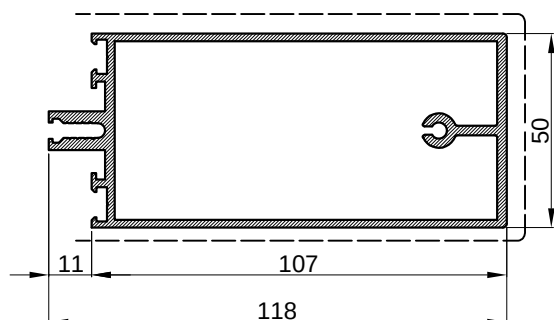
Vodoravnica Transom		
Art.Br. Art.Nr.	FMV 50/198	
Težina Weight	kg/m'	3.04
Opseg Perimeter	mm	579.40
Moment inercije Moments of inertia	I _x (cm ⁴)	526.00
	I _y (cm ⁴)	46.90
	W _x (cm ³)	18.80
	W _y (cm ³)	51.00
L	mm	≤ 6800



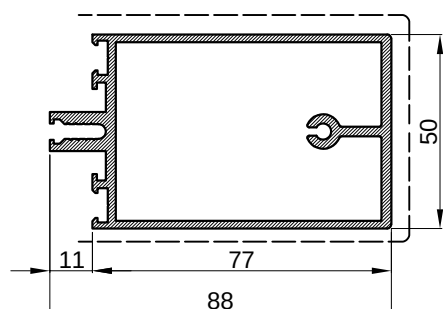
Vodoravnica Transom		
Art.Br. Art.Nr.	FMV 50/158	
Težina Weight	kg/m'	2.66
Opseg Perimeter	mm	491.50
Moment inercije Moments of inertia	I _x (cm ⁴)	292.90
	I _y (cm ⁴)	37.65
	W _x (cm ³)	15.06
	W _y (cm ³)	35.28
L	mm	≤ 6800



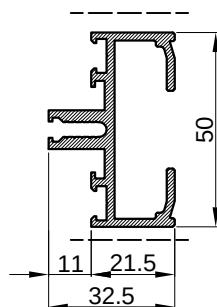
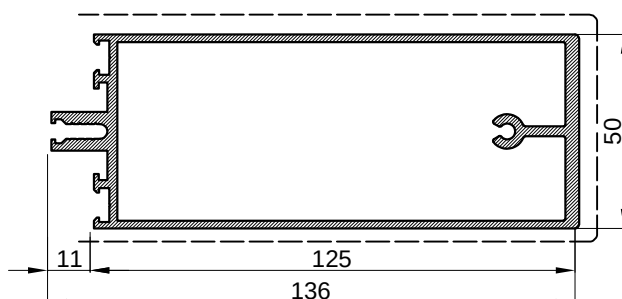
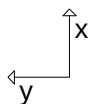
Vodoravnica Transom		
Art.Br. Art.Nr.	FMV 50/138	
Težina Weight	kg/m'	2.56
Opseg Perimeter	mm	451.43
Moment inercije Moments of inertia	I _x (cm ⁴)	228.71
	I _y (cm ⁴)	34.28
	W _x (cm ³)	30.63
	W _y (cm ³)	13.71
L	mm	≤ 6800



Vodoravnica Transom		
Art.Br. Art.Nr.	FMV 50/118	
Težina Weight	kg/m'	2.22
Opseg Perimeter	mm	411.25
Moment inercije Moments of inertia	I _x (cm ⁴)	137.07
	I _y (cm ⁴)	28.43
	W _x (cm ³)	11.37
	W _y (cm ³)	21.82
L	mm	≤ 6800



Vodoravnica Transom		
Art.Br. Art.Nr.	FMV 50/88	
Težina Weight	kg/m'	1.91
Opseg Perimeter	mm	351.50
Moment inercije Moments of inertia	I _x (cm ⁴)	63.20
	I _y (cm ⁴)	21.50
	W _x (cm ³)	8.60
	W _y (cm ³)	13.20
L	mm	≤ 6800



Vodoravnica Transom		
Art.Br. Art.Nr.	FPO 50/136	
Težina Weight	kg/m'	2.54
Opseg Perimeter	mm	447.43
Moment inerције Moments of inertia	I _x (cm ⁴)	220.3
	I _y (cm ⁴)	33.82
	W _x (cm ³)	29.91
	W _y (cm ³)	13.52
L	mm	≤ 6800

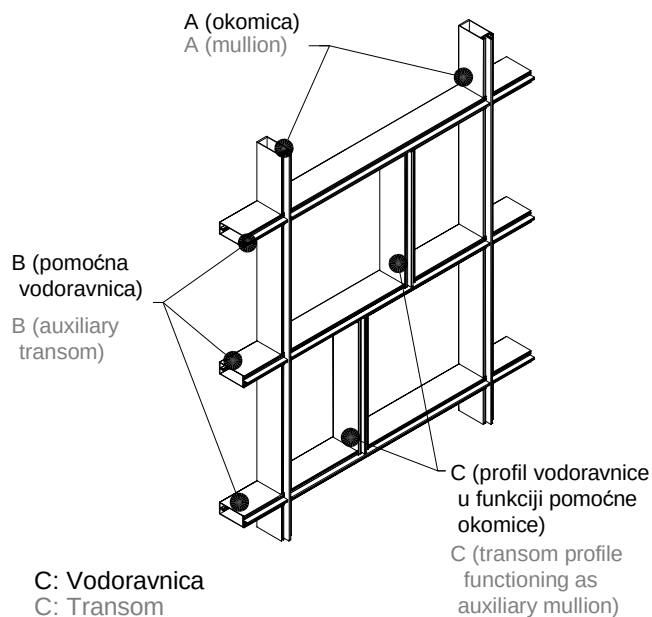
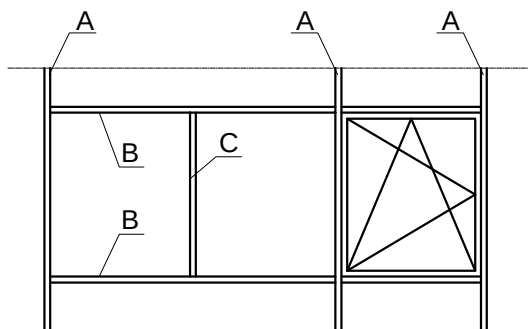
Vodoravnica Transom		
Art.Br. Art.Nr.	FMV 50/32	
Težina Weight	kg/m'	0.95
Opseg Perimeter	mm	323.78
Moment inercije Moments of inertia	I _x (cm ⁴)	2.59
	I _y (cm ⁴)	8.88
	W _x (cm ³)	3.55
	W _y (cm ³)	1.47
L	mm	≤ 6800

TREĆI NIVO

Varijante sa pomoćnom vodoravnicom FVS 50/158

THREE LEVELS

Versions with auxiliary transom FVS 50/158



A: Okomica
A: Mullion

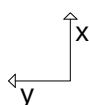
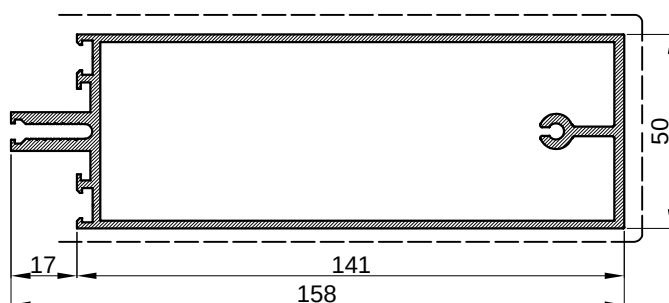
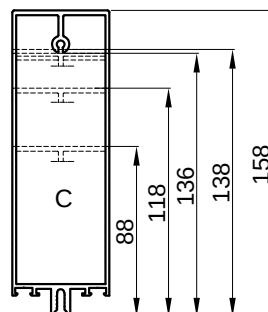
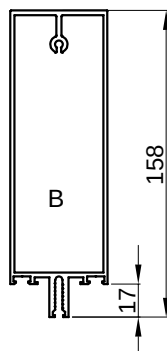
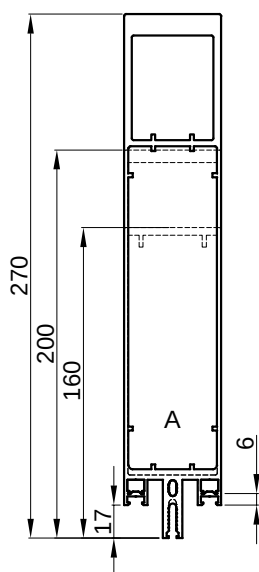
B: Pomoćna vodoravnica
B: Auxiliary transom

C: Vodoravnica
C: Transom

- FMO 50/270
- FMO 50/200
- FMO 50/160

-FVS 50/158

- FMV 50/158
- FMV 50/138
- FPO 50/136
- FMV 50/118
- FMV 50/88



Pomoćna vodoravnica Auxiliary transom		
Art.Br. Art.Nr.	FVS 50/158	
Težina Weight	kg/m'	2.69
Opseg Perimeter	mm	920.569
Moment inercije Moments of inertia	Ix (cm4)	295.30
	Iy (cm4)	36.76
	Wx (cm3)	14.70
	Wy (cm3)	36.00
L	mm	≤ 6800

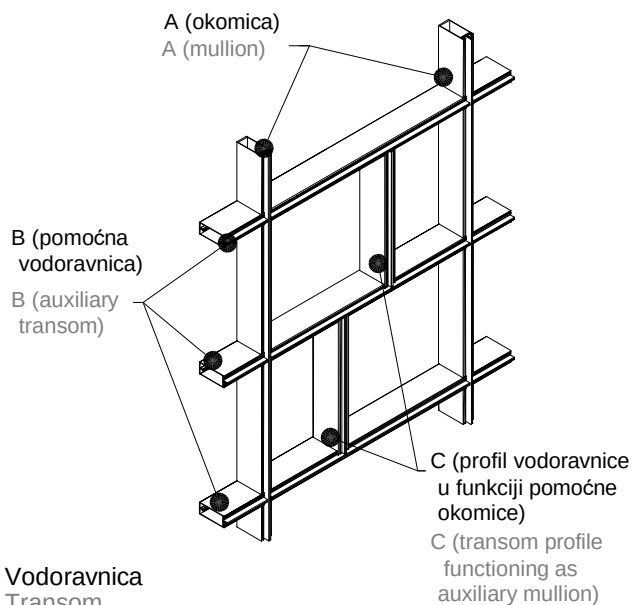
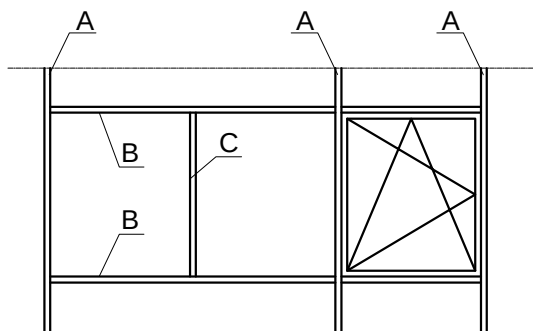
TREĆI NIVO

Varijante sa pomoćnom vodoravnicom FVS 50/138

THREE LEVELS

Versions with auxiliary transom FPV 50/138

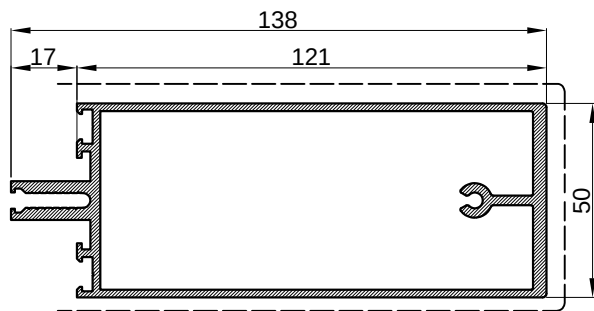
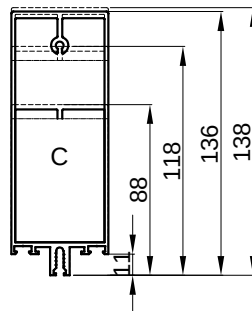
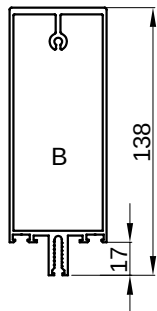
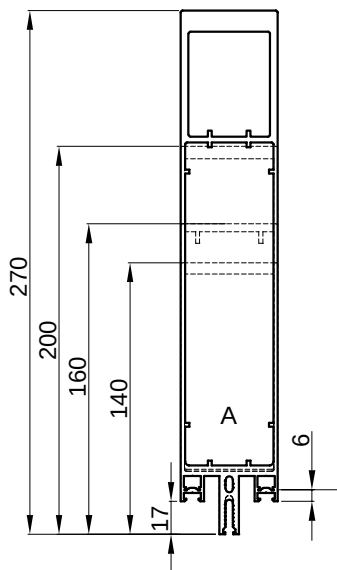
M 1:2

A: Okomica
A: MullionB: Pomoćna vodoravnica
B: Auxilliary transomC: Vodoravnica
C: Transom

-FMO 50/270
-FMO 50/200
-FMO 50/160
-FMO 50/140

-FPV 50/138

-FMV 50/138
-FPO 50/136
-FMV 50/118
-FMV 50/88

Pomoćna vodoravnica
Auxiliary transomArt.Br.
Art.Nr.**FPV 50/138**Težina
Weight

kg/m'

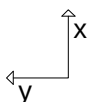
2.59Opseg
Perimeter

mm

464.93Moment
inercije
Moments
of inertiaI_x
(cm⁴)**223.22**I_y
(cm⁴)**32.94**W_x
(cm³)**29.84**W_y
(cm³)**13.18**

L

mm

≤6800

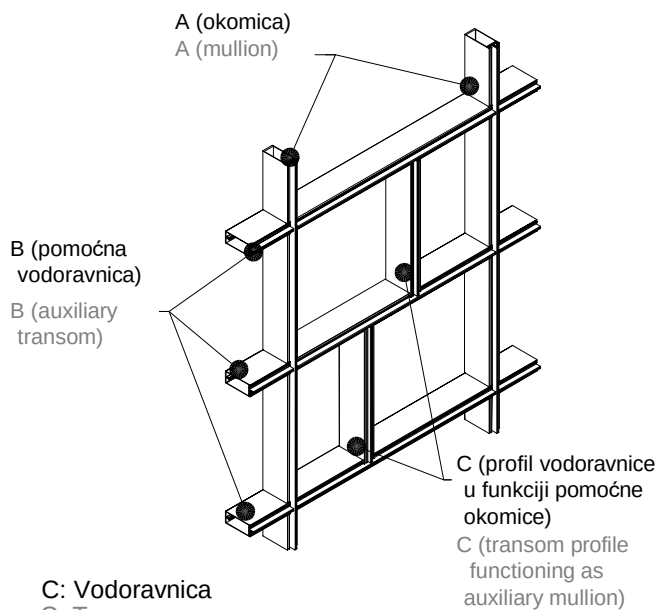
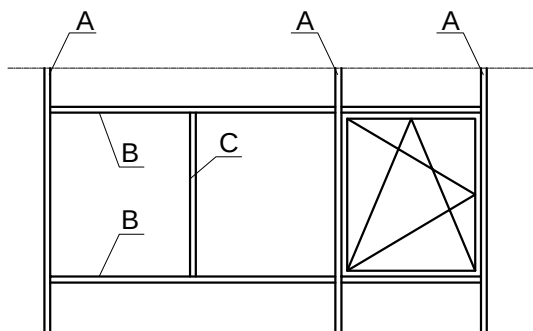
TREĆI NIVO

Varijante sa pomoćnom vodoravnicom FVS 50/118

THREE LEVELS

Versions with auxiliary transom FVS 50/118

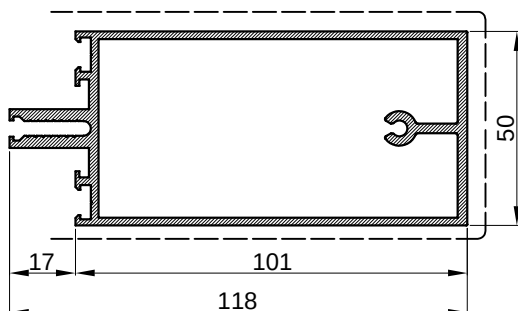
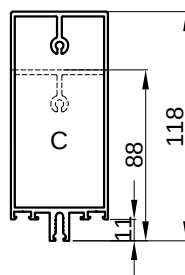
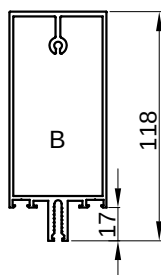
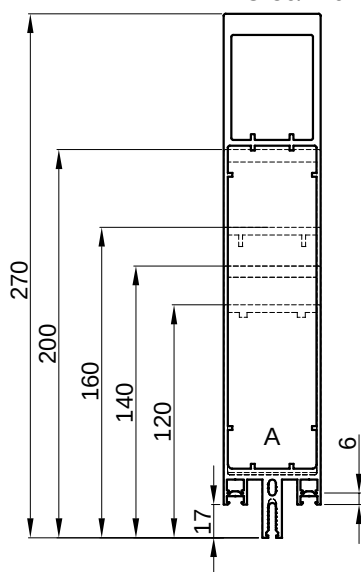
M 1:2

A: Okomica
A: MullionB: Pomoćna vodoravnica
B: Auxiliary transomC: Vodoravnica
C: Transom

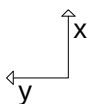
-FMO 50/270
-FMO 50/200
-FMO 50/160
-FMO 50/140
-FMO 50/120

-FVS 50/118

-FMV 50/118
-FMV 50/88

Pomoćna vodoravnica
Auxiliary transom

Art.Br. Art.Nr.	FVS 50/118	
Težina Weight	kg/m'	2.25
Opseg Perimeter	mm	426.39
Moment inercije Moments of inertia	I _x (cm ⁴)	135.80
	I _y (cm ⁴)	27.52
	W _x (cm ³)	11.01
	W _y (cm ³)	21.79
L	mm	≤6800



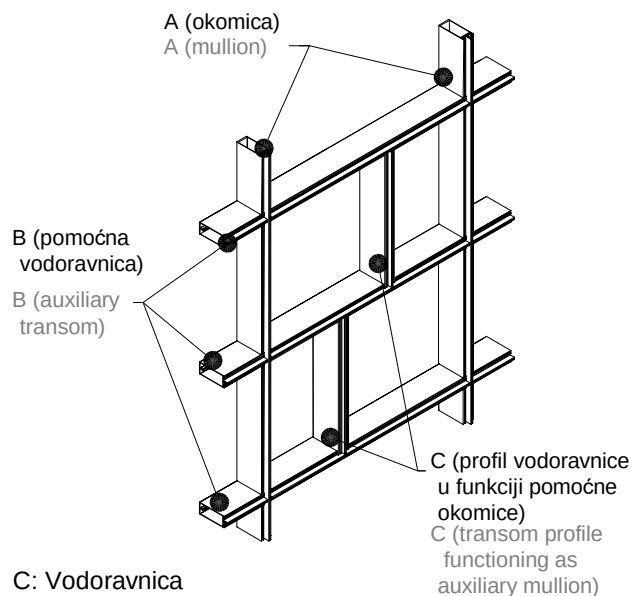
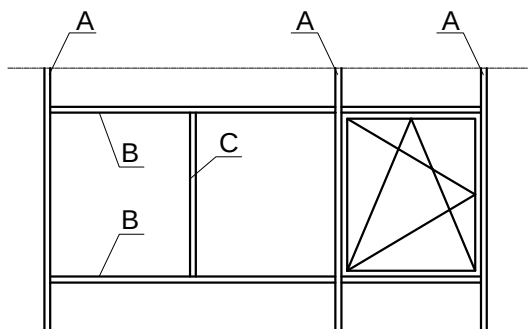
TREĆI NIVO

Varijante sa pomoćnom vodoravnicom FVS 50/88

THREE LEVELS

Versions with auxiliary transom FVS 50/88

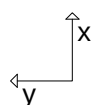
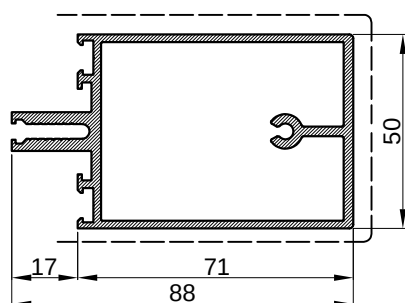
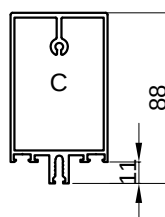
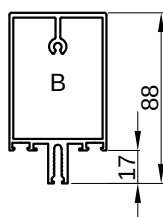
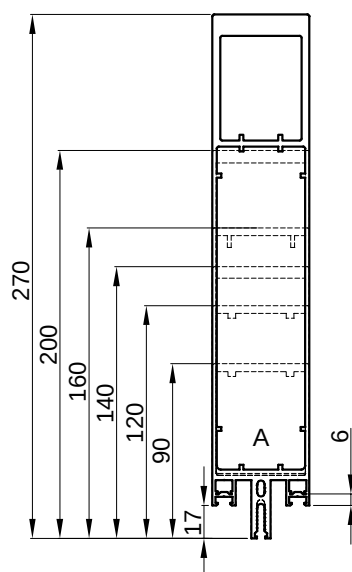
M 1:2

A: Okomica
A: MullionB: Pomoćna vodoravnica
B: Auxiliary transomC: Vodoravnica
C: Transom

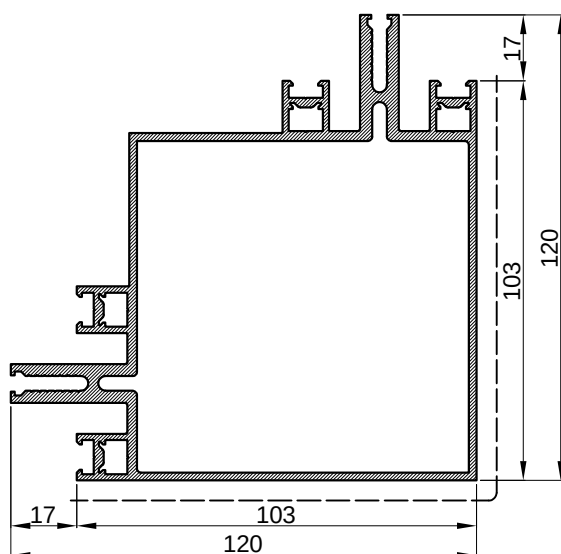
-FMO 50/270
-FMO 50/200
-FMO 50/160
-FMO 50/140
-FMO 50/120
-FMO 50/88

-FVS 50/88

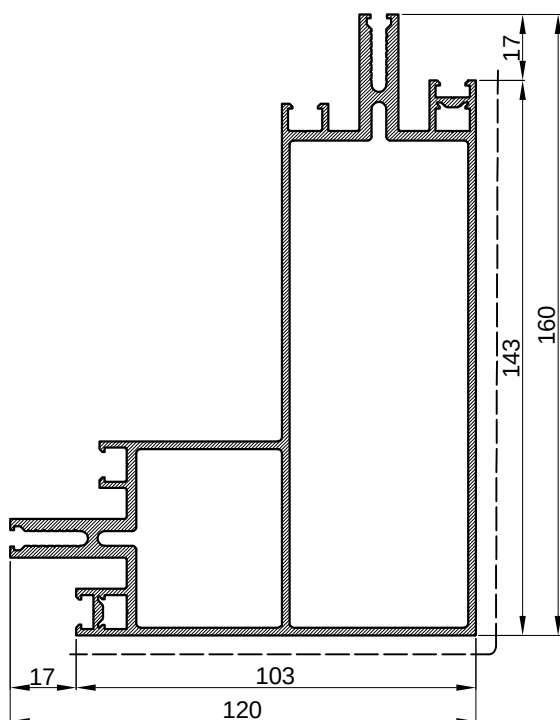
-FMV 50/88



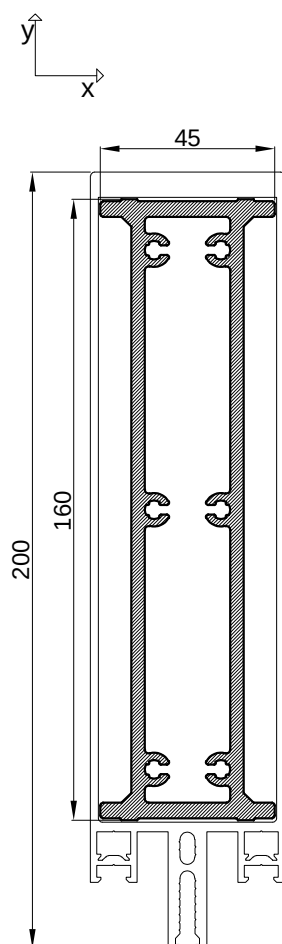
Pomoćna vodoravnica Auxiliary transom		
Art.Br. Art.Nr.	FVS 50/88	
Težina Weight	kg/m'	1.94
Opseg Perimeter	mm	363.08
Moment inercije Moments of inertia	I _x (cm ⁴)	61.266
	I _y (cm ⁴)	20.5955
	W _x (cm ³)	8.238
	W _y (cm ³)	12.898
L	mm	≤6800



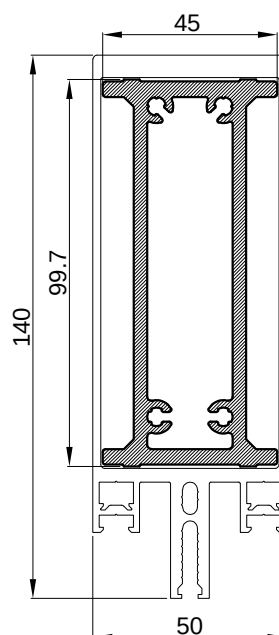
Kutna okomica Corner mullion		
Art.Br. Art.Nr.	FOK-120/120	
Težina Weight	kg/m'	3.69
Opseg Perimeter	mm	722.86
Moment inerције Moments of inertia	I _x (cm ⁴)	204.20
	I _y (cm ⁴)	204.20
	W _x (cm ³)	30.76
	W _y (cm ³)	30.76
L	mm	≤ 6800



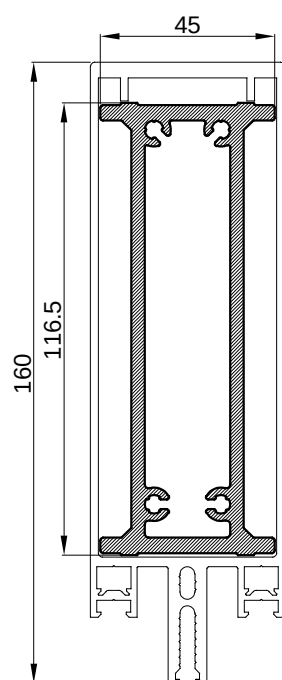
Kutna okomica Corner mullion		
Art.Br. Art.Nr.	FOK 120/160	
Težina Weight	kg/m'	4.17
Opseg Perimeter	mm	788.188
Moment inercije Moments of inertia	I _x (cm ⁴)	428.22
	I _y (cm ⁴)	203.09
	W _x (cm ³)	44.98
	W _y (cm ³)	27.99
L	mm	≤ 6800



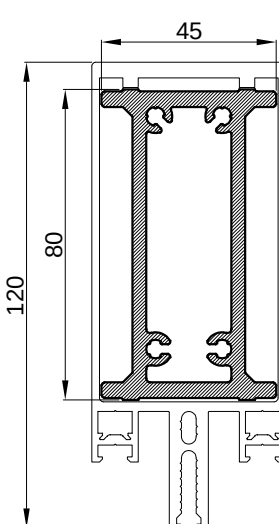
Ojačanja Reinforcement		
Art.Br. Art.Nr.	SB-072	
Težina Weight	kg/m'	4.34
Opseg Perimeter	mm	434.03
Moment inercije Moments of inertia	I _x (cm ⁴)	480.04
	I _y (cm ⁴)	25.0
	W _x (cm ³)	60.0
	W _y (cm ³)	11.11
L	mm	≤ 6800
Art.Br. Art.Nr.	SB-072+ FMO 50/200	
Moment inercije Moments of inertia	I _x (cm ⁴)	1206.34
	I _y (cm ⁴)	76.55
	W _x (cm ³)	111.12
	W _y (cm ³)	30.62



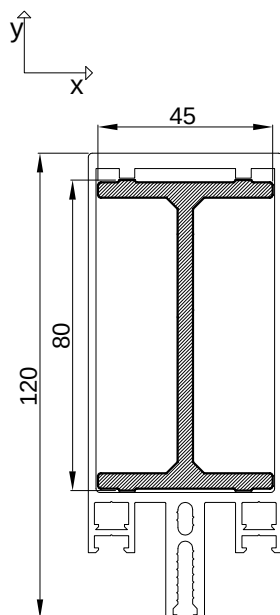
Ojačanja Reinforcement		
Art.Br. Art.Nr.	SB-070	
Težina Weight	kg/m'	3.00
Opseg Perimeter	mm	313.43
Moment inercije Moments of inertia	I _x (cm ⁴)	143.04
	I _y (cm ⁴)	17.54
	W _x (cm ³)	28.40
	W _y (cm ³)	7.80
L	mm	≤ 6800
Art.Br. Art.Nr.	SB-070+ FMO 50/140	
Moment inercije Moments of inertia	I _x (cm ⁴)	431.07
	I _y (cm ⁴)	55.5
	W _x (cm ³)	56.02
	W _y (cm ³)	22.2



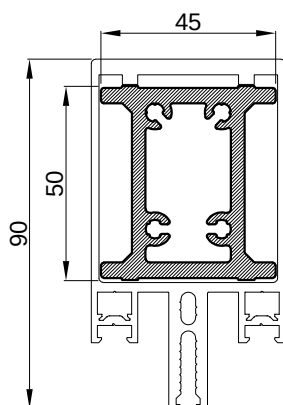
Ojačanja Reinforcement		
Art.Br. Art.Nr.	SB-071	
Težina Weight	kg/m'	3.31
Opseg Perimeter	mm	347.03
Moment inercije Moments of inertia	I _x (cm ⁴)	211.52
	I _y (cm ⁴)	19.46
	W _x (cm ³)	35.95
	W _y (cm ³)	8.65
L	mm	≤ 6800
Art.Br. Art.Nr.	SB-071+ FMO 50/160	
Moment inercije Moments of inertia	I _x (cm ⁴)	574.65
	I _y (cm ⁴)	60.4
	W _x (cm ³)	67.89
	W _y (cm ³)	24.12



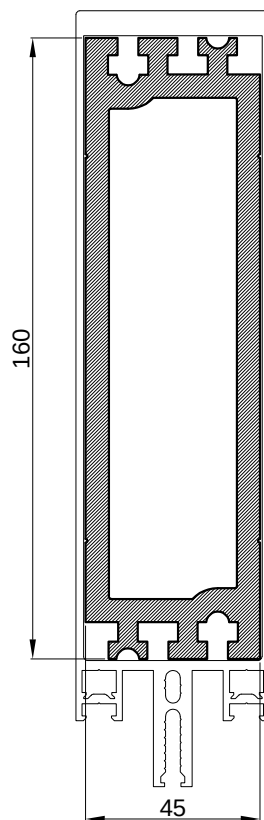
Ojačanja Reinforcement		
Art.Br. Art.Nr.	SB-069	
Težina Weight	kg/m'	2.62
Opseg Perimeter	mm	274.03
Moment inercije Moments of inertia	I _x (cm ⁴)	82.27
	I _y (cm ⁴)	15.28
	W _x (cm ³)	20.38
	W _y (cm ³)	6.79
L	mm	≤ 6800
Art.Br. Art.Nr.	SB-069+ FMO 50/120	
Moment inercije Moments of inertia	I _x (cm ⁴)	252.91
	I _y (cm ⁴)	46.88
	W _x (cm ³)	38.29
	W _y (cm ³)	18.75



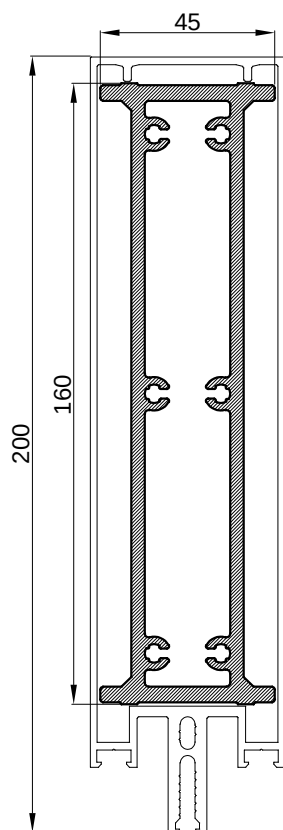
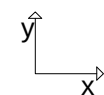
Ojačanja Reinforcement		
Art.Br. Art.Nr.	SB-064 M	
Težina Weight	kg/m'	1.80
Opseg Perimeter	mm	323.205
Moment inerције Moments of inertia	I _x (cm ⁴)	65.7540
	I _y (cm ⁴)	6.2766
	W _x (cm ³)	16.4385
	W _y (cm ³)	2.7896
L	mm	≤ 6800
Art.Br. Art.Nr.	SB-064 M+ FMO 50/120	
Moment inercije Moments of inertia	I _x (cm ⁴)	234.39
	I _y (cm ⁴)	37.58
	W _x (cm ³)	35.86
	W _y (cm ³)	15.03



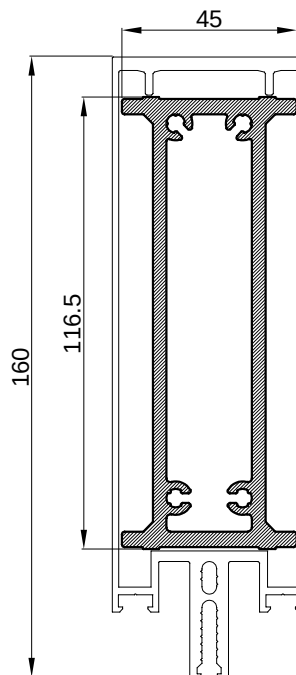
Ojačanja Reinforcement		
Art.Br. Art.Nr.	SB-067/M	
Težina Weight	kg/m'	2.05
Opseg Perimeter	mm	214.026
Moment inercije Moments of inertia	I _x (cm ⁴)	25.220
	I _y (cm ⁴)	11.848
	W _x (cm ³)	10.064
	W _y (cm ³)	5.266
L		≤ 6800
Art.Br. Art.Nr.	SB-067/M+ FMO 50/90	
Moment inercije Moments of inertia	I _x (cm ⁴)	103.27
	I _y (cm ⁴)	36.45
	W _x (cm ³)	19.9
	W _y (cm ³)	14.58



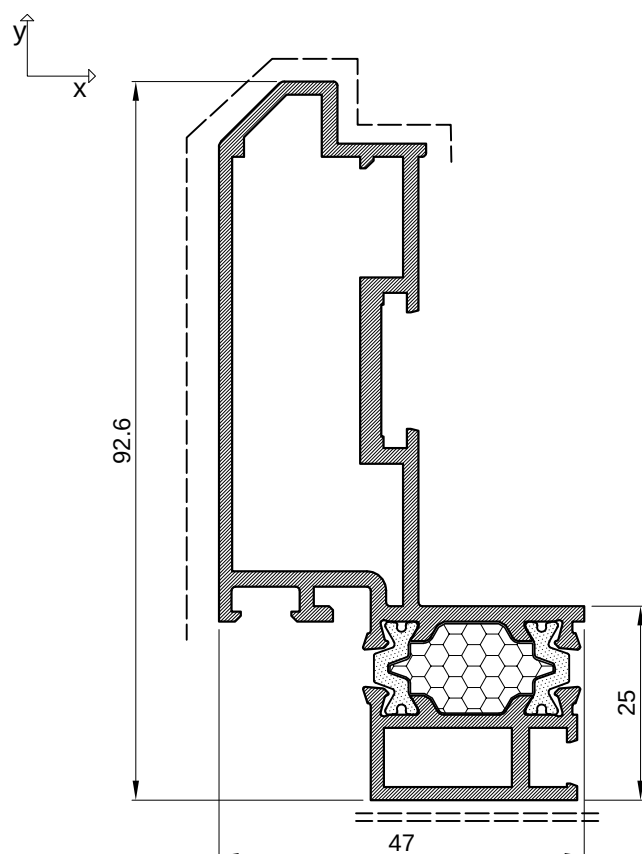
Ojačanja/ spoj okomica pod kutom Reinforcement/ angled mullion joint		
Art.Br. Art.Nr.	SB-066/M	
Težina Weight	kg/m'	6.74
Opseg Perimeter	mm	549.68
Moment inercije Moments of inertia	I _x (cm ⁴)	690.517
	I _y (cm ⁴)	75.461
	W _x (cm ³)	86.315
	W _y (cm ³)	33.538
L	mm	≤ 6800



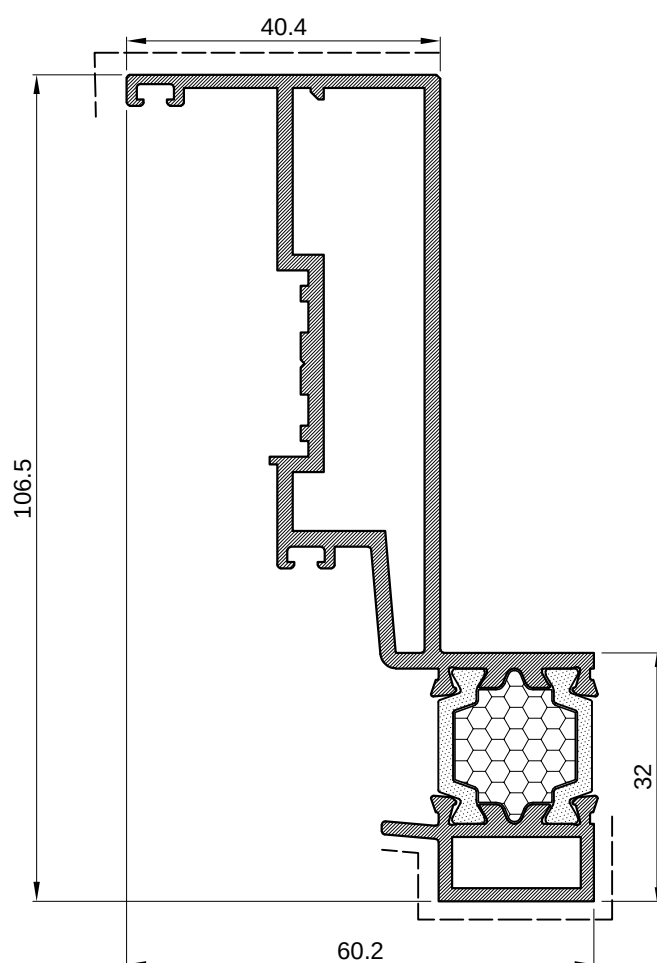
Ojačanja Reinforcement			
Art.Br. Art.Nr.	SB-072+ FMO 50/200-S		
Moment inerције Moments of inertia	I _x (cm ⁴)	979.36	
	I _y (cm ⁴)	66.6	
	W _x (cm ³)	105.07	
	W _y (cm ³)	27.75	



Ojačanja Reinforcement			
Art.Br. Art.Nr.	SB-071+ FMO 50/160-S		
Moment inercije Moments of inertia	I _x (cm ⁴)	538.57	
	I _y (cm ⁴)	54.58	
	W _x (cm ³)	75.83	
	W _y (cm ³)	22.7	



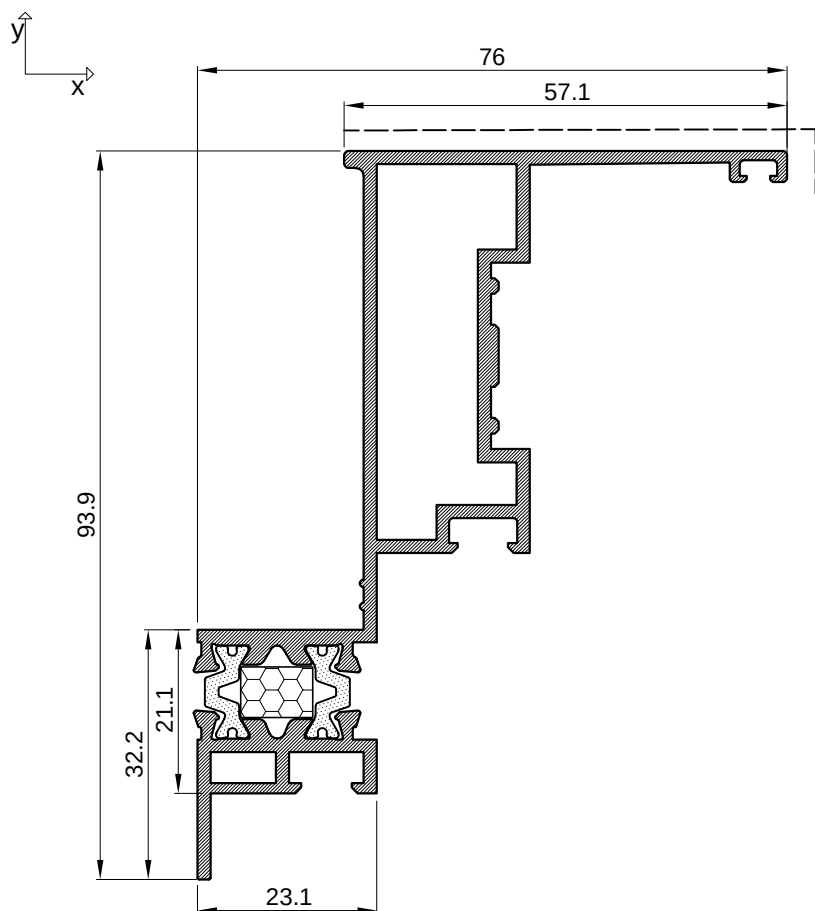
Kriilo fasadnog otvora Facade opening sash		
Art.Br. Art.Nr.	FT-0134F	
Težina Weight	kg/m'	1.75
Opseg Perimeter	mm	342.00
Moment inercije Moments of inertia	I _x (cm ⁴)	47.57
	I _y (cm ⁴)	9.85
	W _x (cm ³)	9.02
	W _y (cm ³)	4.05
L	mm	6500



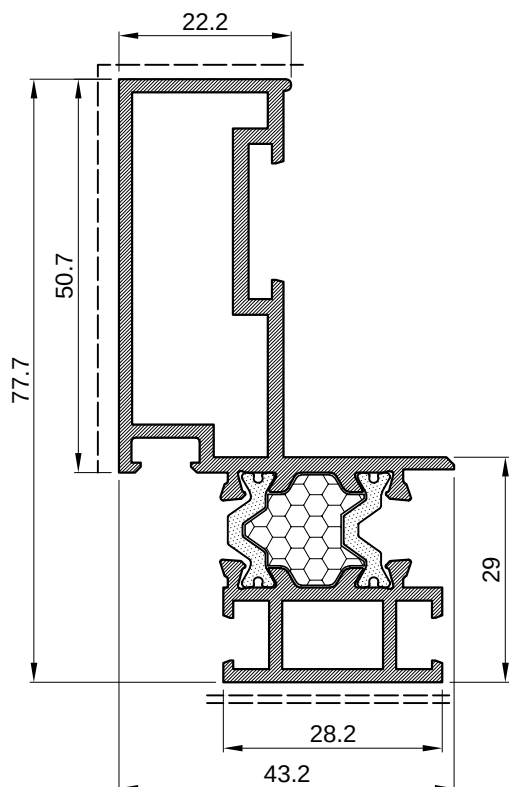
Ram fasadnog otvora Facade opening frame		
Art.Br. Art.Nr.	FT-0133F	
Težina Weight	kg/m'	1.88
Opseg Perimeter	mm	388.00
Moment inercije Moments of inertia	I _x (cm ⁴)	75.31
	I _y (cm ⁴)	10.29
	W _x (cm ³)	14.01
	W _y (cm ³)	3.19
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”
PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"

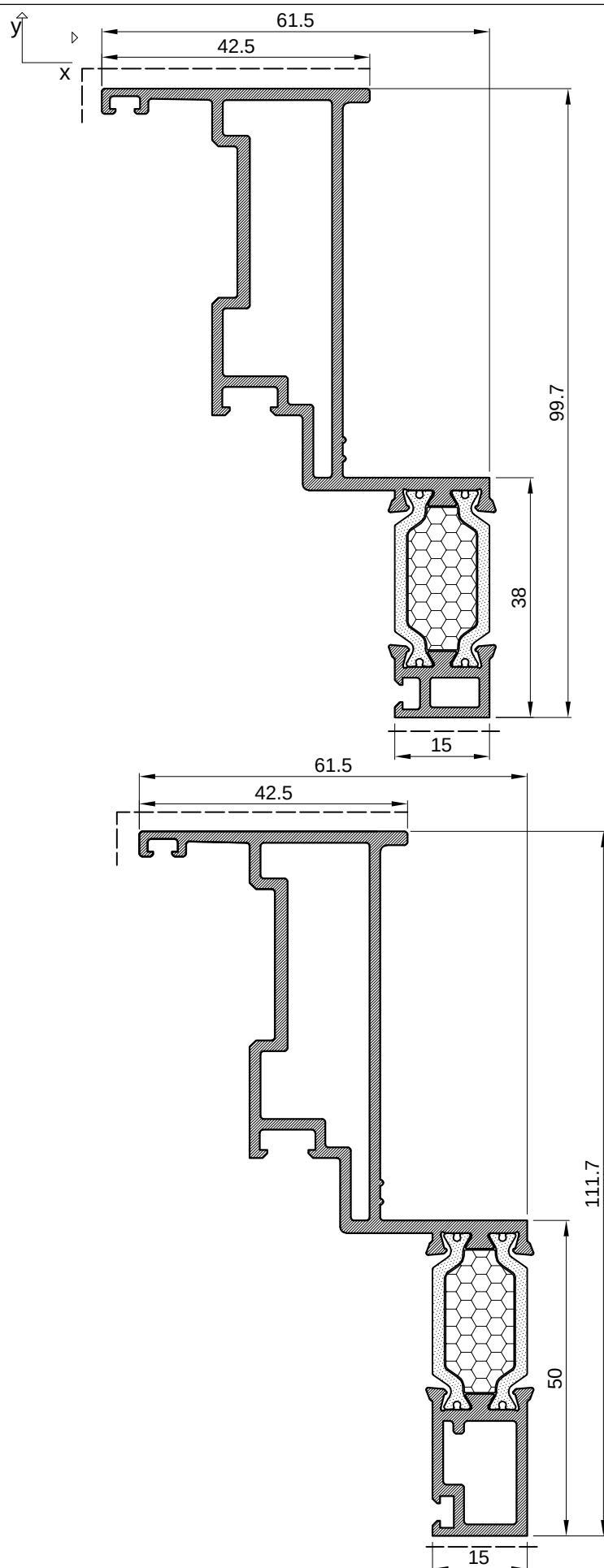
== Eloksirano S-10



Ram fasadnog otvora Facade opening frame		
Art.Br. Art.Nr.	FT-0175F	
Težina Weight	kg/m'	1.59
Opseg Perimeter	mm	424.14
Moment inercije Moments of inertia	Ix (cm4)	40.480
	Iy (cm4)	16.610
	Wx (cm3)	9.080
	Wy (cm3)	3.370
L	mm	6500



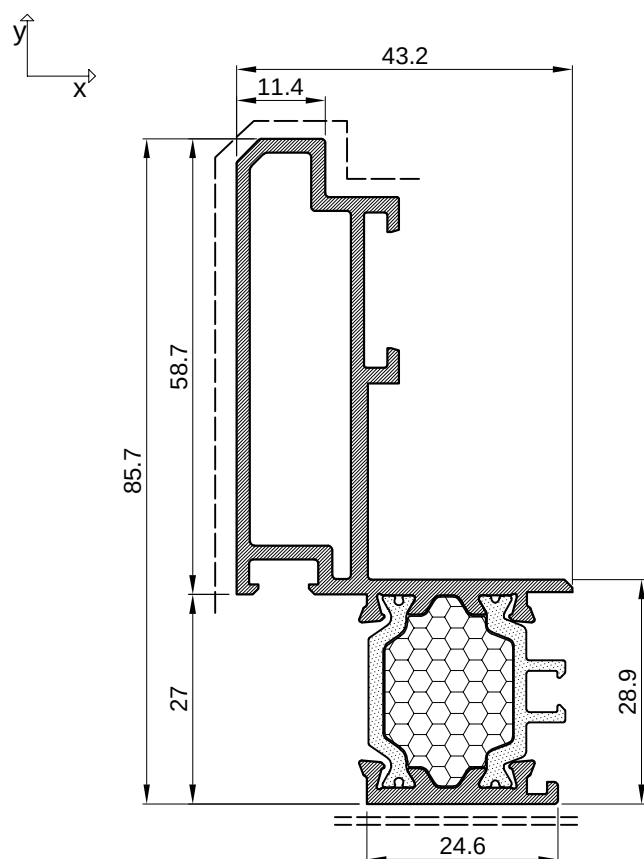
Krilo fasadnog otvora Facade opening sash		
Art.Br. Art.Nr.	FT-0157F	
Težina Weight	kg/m'	1.50
Opseg Perimeter	mm	376.00
Moment inercije Moments of inertia	Ix (cm4)	30.05
	Iy (cm4)	6.36
	Wx (cm3)	7.04
	Wy (cm3)	2.79
L	mm	6500



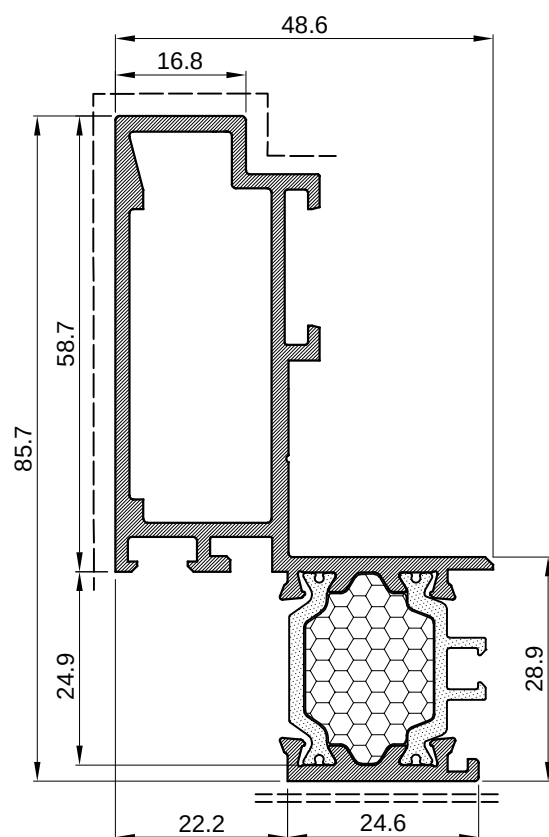
Ram fasadnog otvora Facade opening frame		
Art.Br. Art.Nr.	FT-0173F	
Težina Weight	kg/m'	1.54
Opseg Perimeter	mm	377.59
Moment inerције Moments of inertia	I _x (cm ⁴)	42.850
	I _y (cm ⁴)	11.150
	W _x (cm ³)	9.080
	W _y (cm ³)	3.170
L	mm	6500

Ram fasadnog otvora Facade opening frame		
Art.Br. Art.Nr.	FT-0174F	
Težina Weight	kg/m'	1.69
Opseg Perimeter	mm	400.82
Moment inerције Moments of inertia	I _x (cm ⁴)	57.640
	I _y (cm ⁴)	12.950
	W _x (cm ³)	11.590
	W _y (cm ³)	3.510
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”
PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"



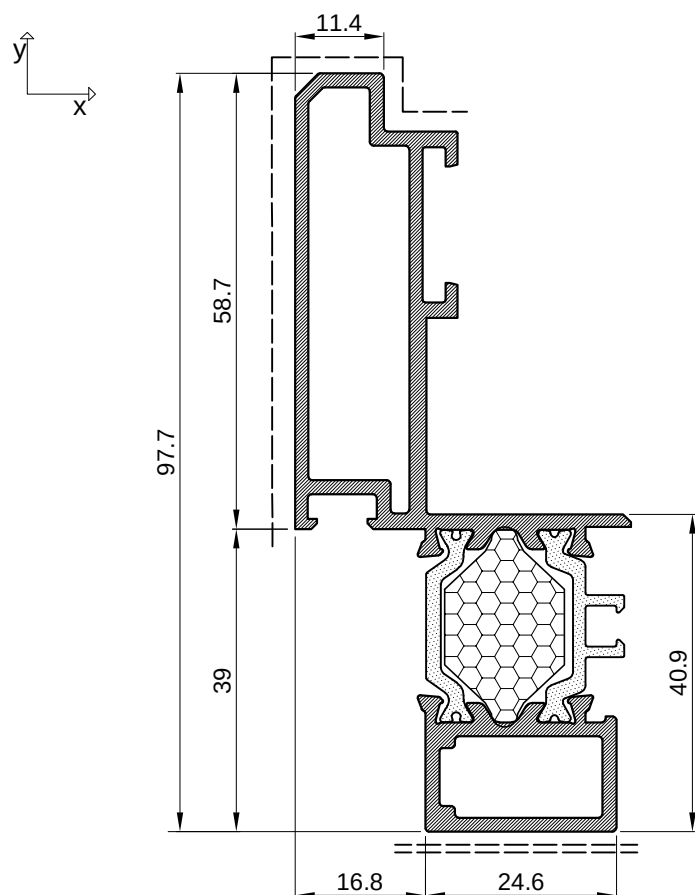
Krilo fasadnog otvora Facade opening sash		
Art.Br. Art.Nr.	FT-0162F	
Težina Weight	kg/m'	1.38
Opseg Perimeter	mm	331.65
Moment inercije Moments of inertia	I _x (cm ⁴)	29.46
	I _y (cm ⁴)	5.47
	W _x (cm ³)	6.65
	W _y (cm ³)	2.16
L	mm	6500



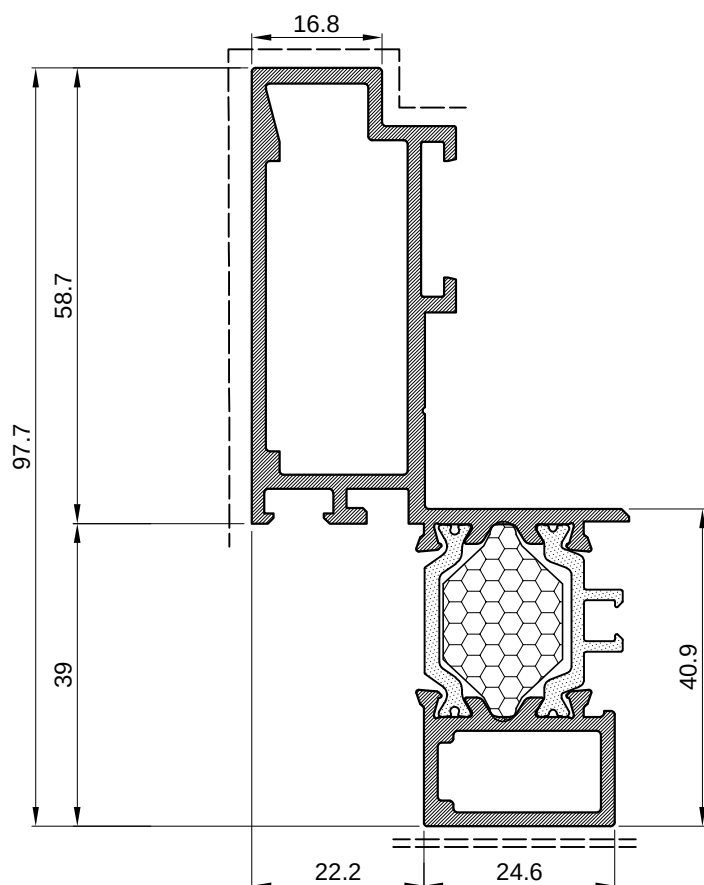
Krilo fasadnog otvora Facade opening sash		
Art.Br. Art.Nr.	FT-0164F	
Težina Weight	kg/m'	1.51
Opseg Perimeter	mm	356.85
Moment inercije Moments of inertia	I _x (cm ⁴)	29.23
	I _y (cm ⁴)	8.95
	W _x (cm ³)	6.75
	W _y (cm ³)	2.97
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”
PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"

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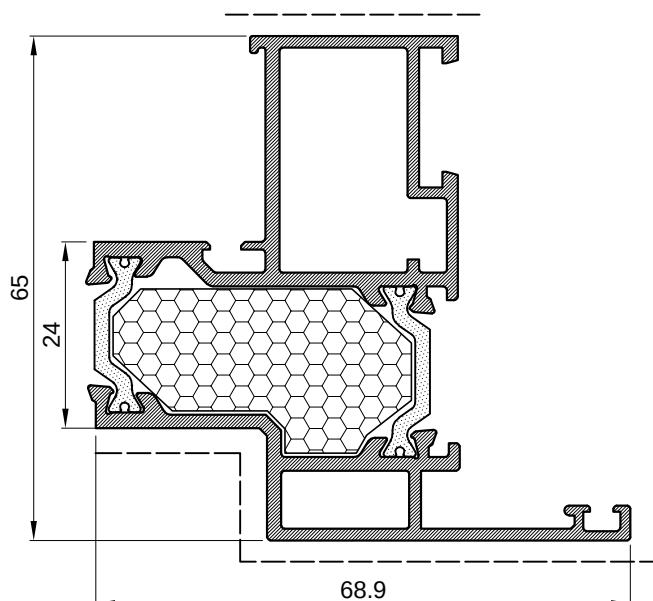
Krilo fasadnog otvora Facade opening sash		
Art.Br. Art.Nr.	FT-0186F	
Težina Weight	kg/m'	1.60
Opseg Perimeter	mm	371.67
Moment inercije Moments of inertia	I _x (cm ⁴)	37.61
	I _y (cm ⁴)	7.78
	W _x (cm ³)	9.01
	W _y (cm ³)	3.08
L	mm	6500



Krilo fasadnog otvora Facade opening sash		
Art.Br. Art.Nr.	FT-0170F	
Težina Weight	kg/m'	1.73
Opseg Perimeter	mm	378.62
Moment inercije Moments of inertia	I _x (cm ⁴)	42.86
	I _y (cm ⁴)	11.45
	W _x (cm ³)	10.66
	W _y (cm ³)	4.1
L	mm	6500

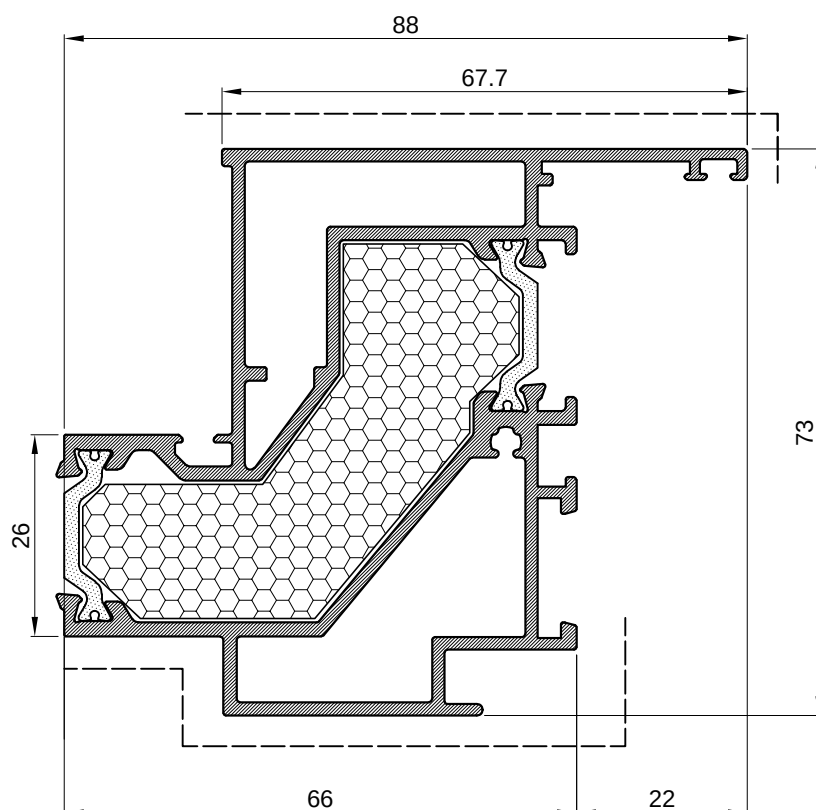
PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”
PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"

== Eloksirano S-10



Ram Termo 65 otv. unutra
Termo 65 frame inwards ope

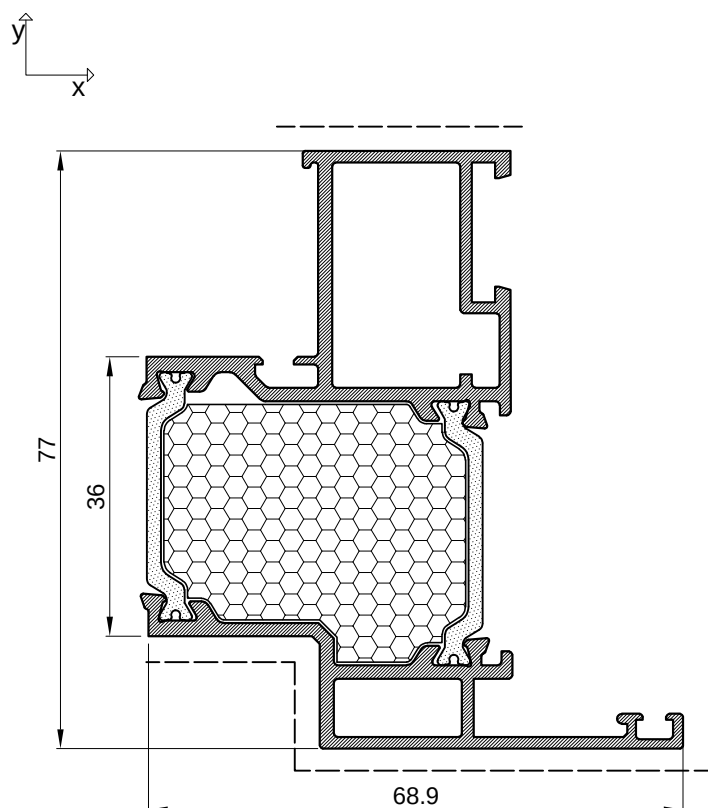
Art.Br. Art.Nr.	FT-0261F	
Težina Weight	kg/m'	1.50
Opseg Perimeter	mm	361.00
Moment inercije Moments of inertia	I _x (cm ⁴)	16.41
	I _y (cm ⁴)	12.38
	W _x (cm ³)	5.83
	W _y (cm ³)	3.22
L	mm	6500



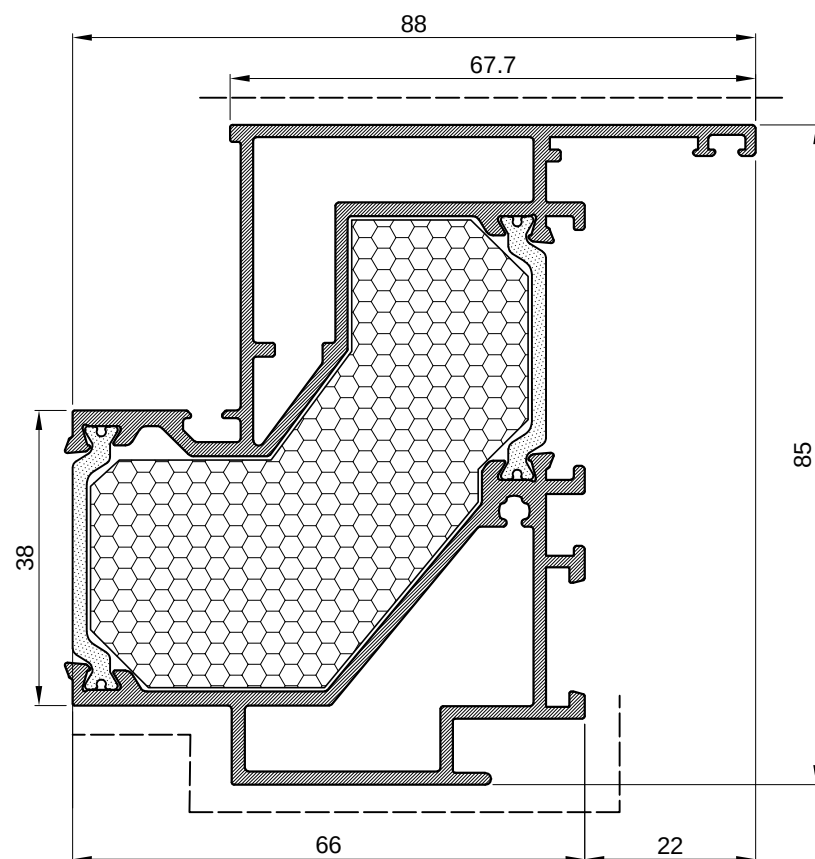
Ram Termo 65 otv. vani
Termo 65 frame outwards
ope.

Art.Br. Art.Nr.	FT-0290F	
Težina Weight	kg/m	2.14
Opseg Perimeter	mm	440.29
Moment inercije Moments of inertia	I _x (cm ⁴)	34.33
	I _y (cm ⁴)	31.28
	W _x (cm ⁴)	9.01
	W _y (cm ⁴)	6.52
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”
PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"

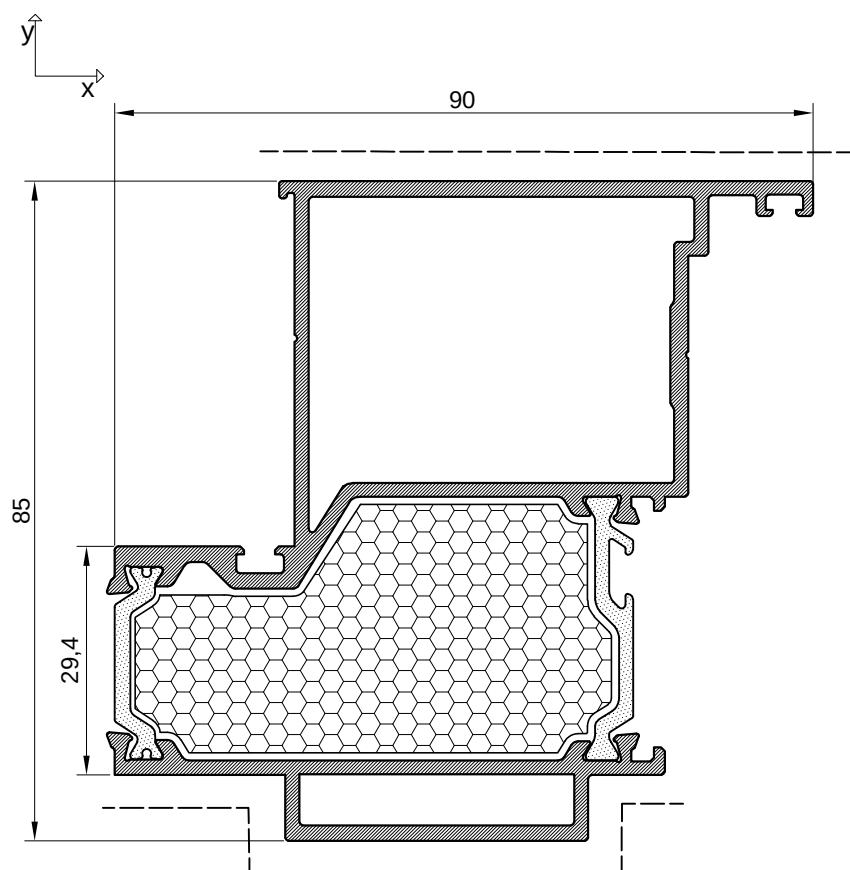


Ram Termo 85 otv. unutra Termo 85 frame inwards opening		
Art.Br. Art.Nr.	FT-0261HF	
Težina Weight	kg/m'	1.55
Opseg Perimeter	mm	372.82
Moment inercije Moments of inertia	I _x (cm ⁴)	25.300
	I _y (cm ⁴)	12.410
	W _x (cm ³)	8.100
	W _y (cm ³)	3.220
L	mm	6500

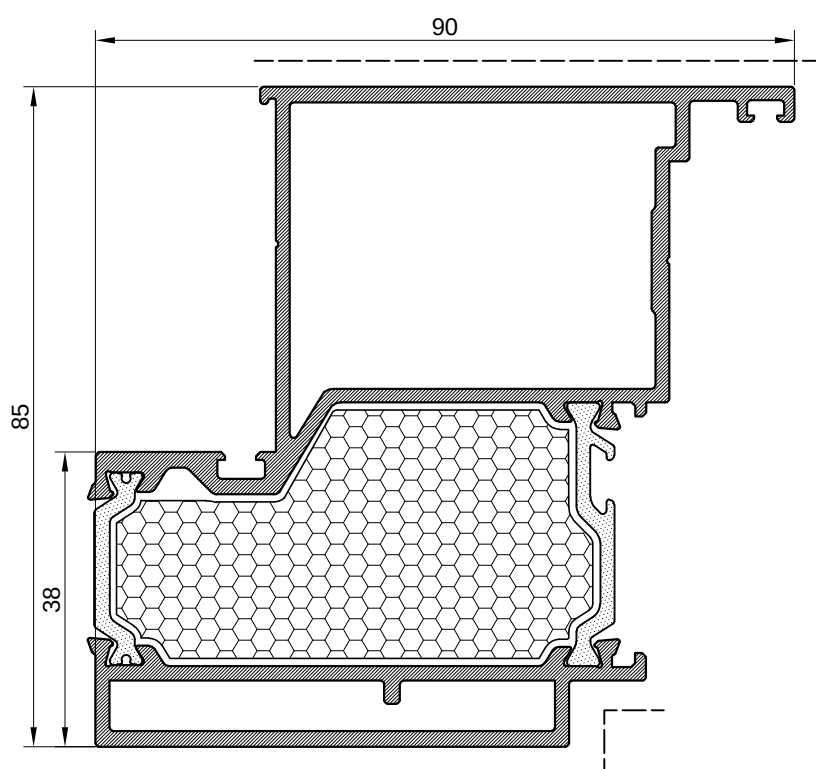


Ram Termo 85 otv.vani Termo 85 frame outwards opening		
Art.Br. Art.Nr.	FT-0290HF	
Težina Weight	kg/m	2.21
Opseg Perimeter	mm	416.18
Moment inercije Moments of inertia	I _x (cm ⁴)	48.33
	I _y (cm ⁴)	31.3
	W _x (cm ⁴)	14.18
	W _y (cm ⁴)	6.52
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”
PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"

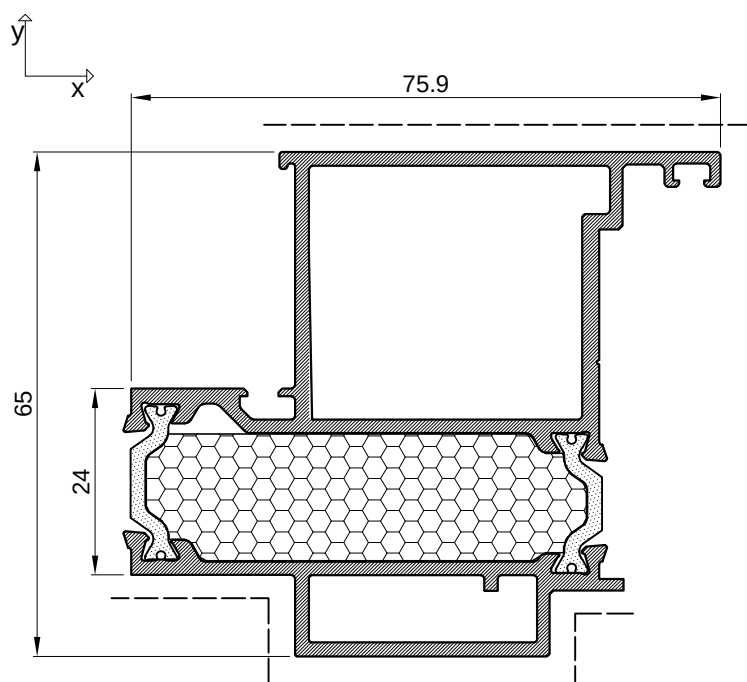


Ram vrata Termo 85 VS Door frame Termo 85 VS		
Art.Br. Art.Nr.	FT-0553F	
Težina Weight	kg/m	2.23
Opseg Perimeter	mm	412.00
Moment inercije Moments of inertia	Ix (cm ⁴)	55.55
	Iy (cm ⁴)	45.28
	Wx (cm ⁴)	15.57
	Wy (cm ⁴)	9.95
L	mm	6500

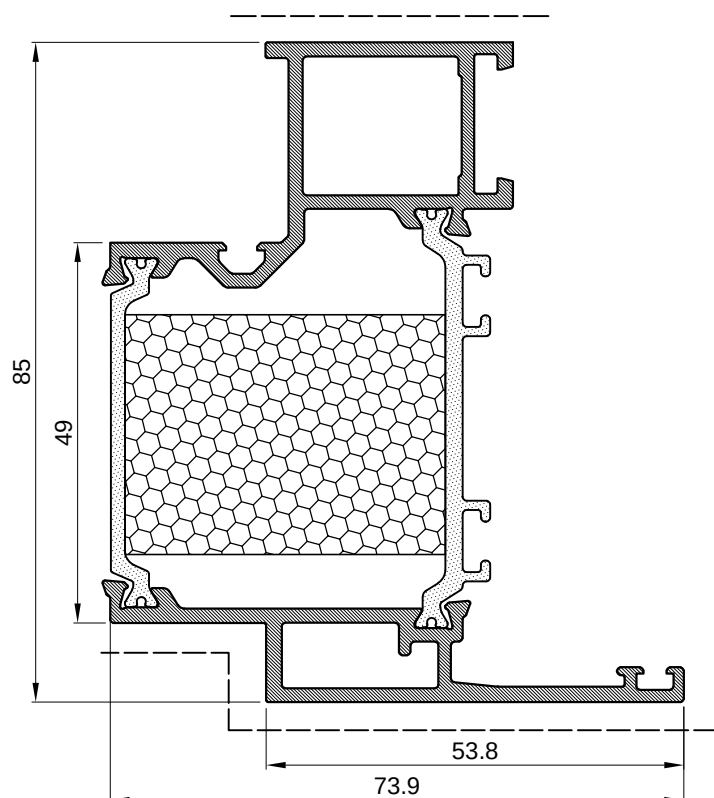


Ram vrata Termo 85 VS Door frame Termo 85 VS		
Art.Br. Art.Nr.	FT-0554F	
Težina Weight	kg/m	2.37
Opseg Perimeter	mm	412.00
Moment inercije Moments of inertia	Ix (cm ⁴)	58.23
	Iy (cm ⁴)	47.32
	Wx (cm ⁴)	16.34
	Wy (cm ⁴)	9.50
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”
PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"

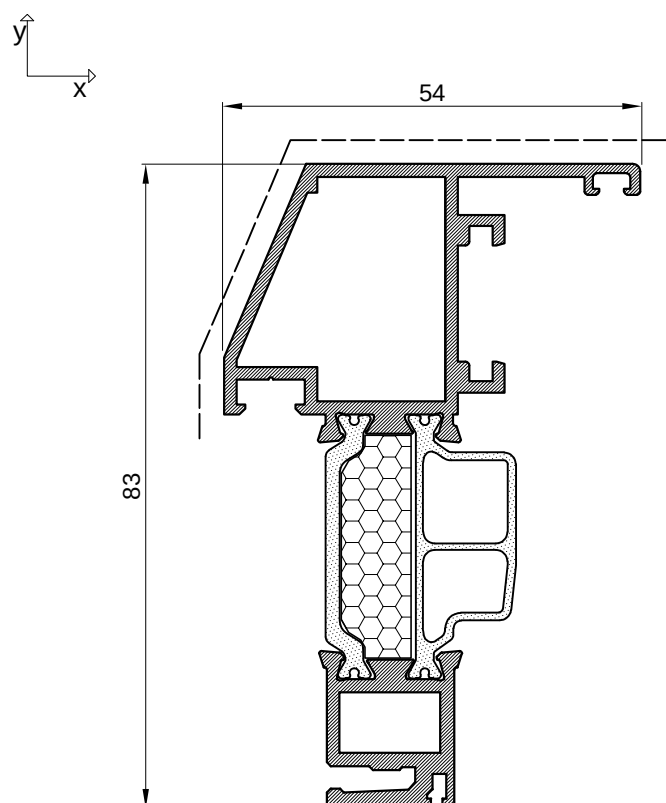


Ram vrata T65 VS Door frame T65 VS		
Art.Br. Art.Nr.	FT-0260F	
Težina Weight	kg/m'	1.79
Opseg Perimeter	mm	360.64
Moment inercije Moments of inertia	Ix (cm4)	22.84
	Iy (cm4)	23.78
	Wx (cm3)	8.62
	Wy (cm3)	6.14
L	mm	6500



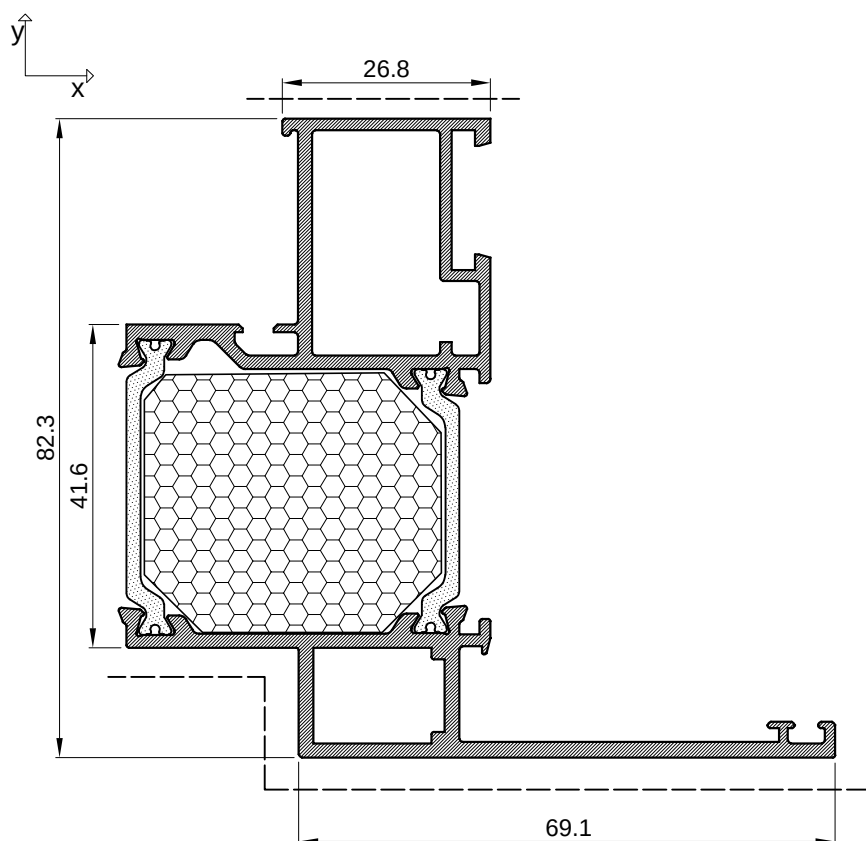
Ram Termo 85 PA Frame Termo 85 PA		
Art.Br. Art.Nr.	FT-1201	
Težina Weight	kg/m'	1.76
Opseg Perimeter	mm	417.57
Moment inercije Moments of inertia	Ix (cm4)	39.68
	Iy (cm4)	15.71
	Wx (cm3)	11.92
	Wy (cm3)	3.72
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”
PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"

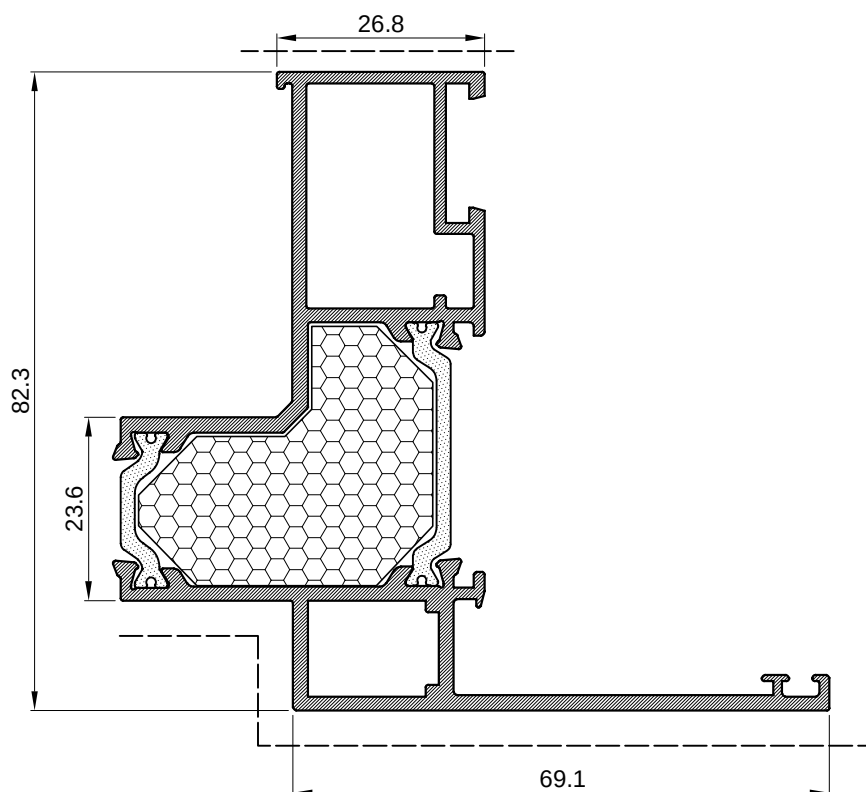


Skriveno krilo Hidden sash		
Art.Br. Art.Nr.	FT-0148F	
Težina Weight	kg/m'	1.48
Opseg Perimeter	mm	370.00
Moment inerције Moments of inertia	Ix (cm4)	28.30
	Iy (cm4)	5.69
	Wx (cm3)	8.18
	Wy (cm3)	1.82
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”
PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"

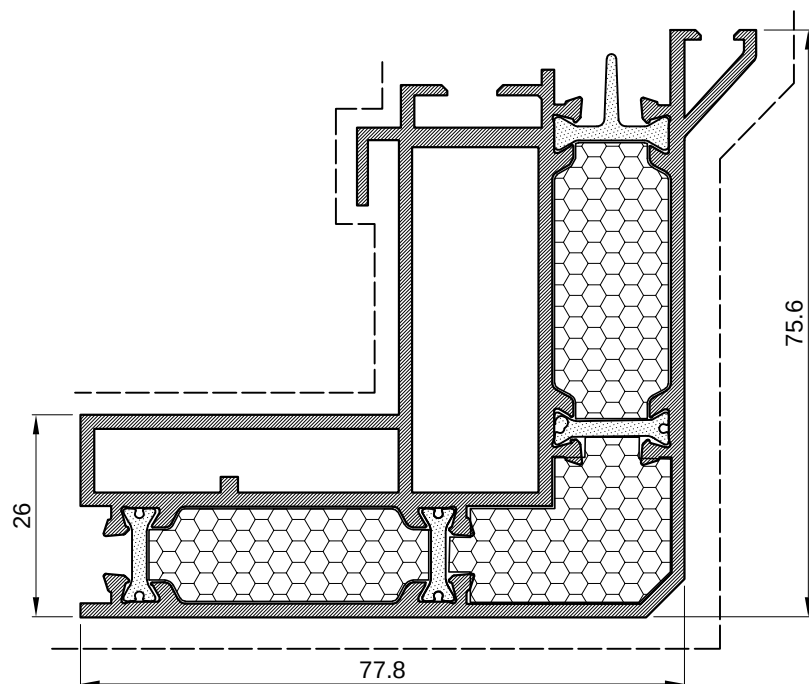


Ram za skriveno krilo Frame for hidden sash		
Art.Br. Art.Nr.	FT-0187F	
Težina Weight	kg/m'	1.78
Opseg Perimeter	mm	441
Moment inercije Moments of inertia	I _x (cm ⁴)	35.39
	I _y (cm ⁴)	24.56
	W _x (cm ³)	9.88
	W _y (cm ³)	4.41
L	mm	6500

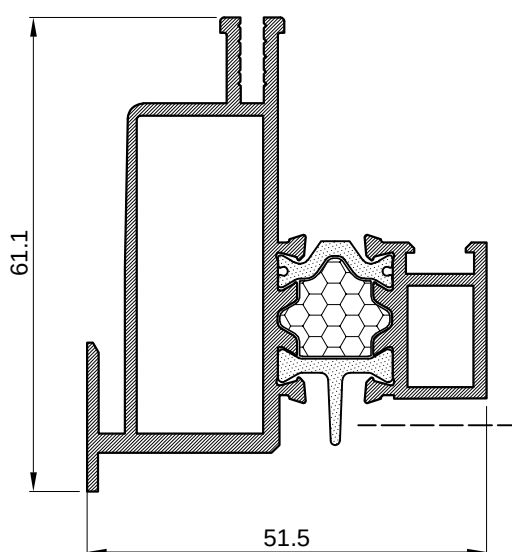


Ram za skriveno krilo Frame for hidden sash		
Art.Br. Art.Nr.	FT-0188F	
Težina Weight	kg/m'	1.79
Opseg Perimeter	mm	426
Moment inercije Moments of inertia	I _x (cm ⁴)	34.83
	I _y (cm ⁴)	24.67
	W _x (cm ³)	9.17
	W _y (cm ³)	4.4
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”
PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"

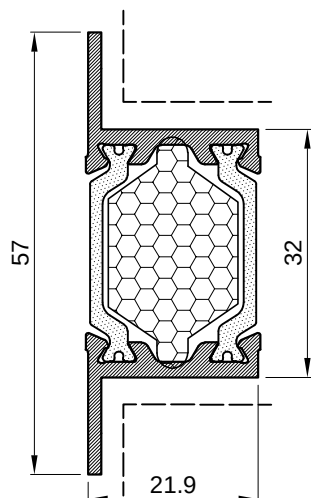


Ram krovnog prozora Roof window frame		
Art.Br. Art.Nr.	FT-0125F	
Težina Weight	kg/m'	2.48
Opseg Perimeter	mm	439.00
Moment inerције Moments of inertia	Ix (cm ⁴)	46.02
	Iy (cm ⁴)	48.60
	Wx (cm ³)	10.36
	Wy (cm ³)	10.37
L	mm	6500

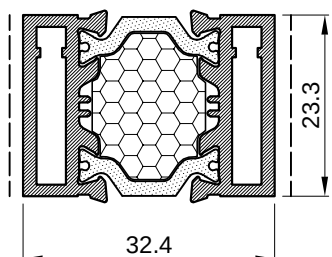


Krilo krovnog prozora Roof window sash		
Art.Br. Art.Nr.	FT-0124F	
Težina Weight	kg/m'	1.32
Opseg Perimeter	mm	305.00
Moment inerције Moments of inertia	Ix (cm ⁴)	11.31
	Iy (cm ⁴)	9.98
	Wx (cm ³)	3.23
	Wy (cm ³)	3.57
L	mm	6500

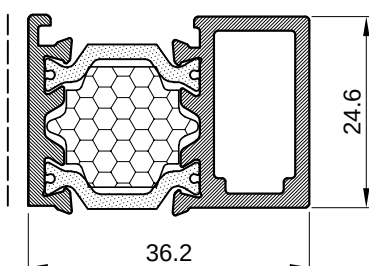
PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”
PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"



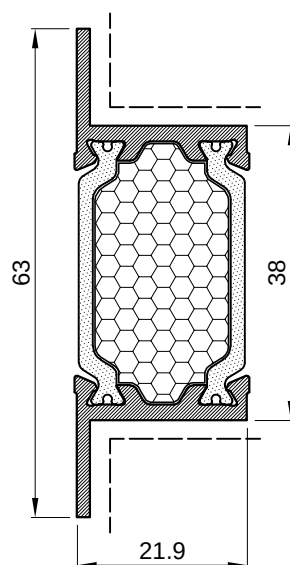
Adapter		
Art.-Br. Art.Nr.	FT-0150F	
Težina Weight	kg/m'	0.65
Opseg Perimet.	mm	182.00
L	mm	6500



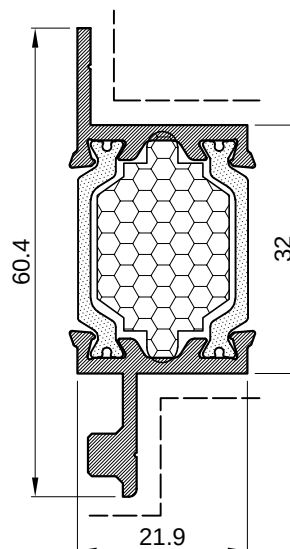
Adapter		
Art.-Br. Art.Nr.	FT-0192F*	
Težina Weight	kg/m'	0.76
Opseg Perimet.	mm	117.04
L	mm	6500



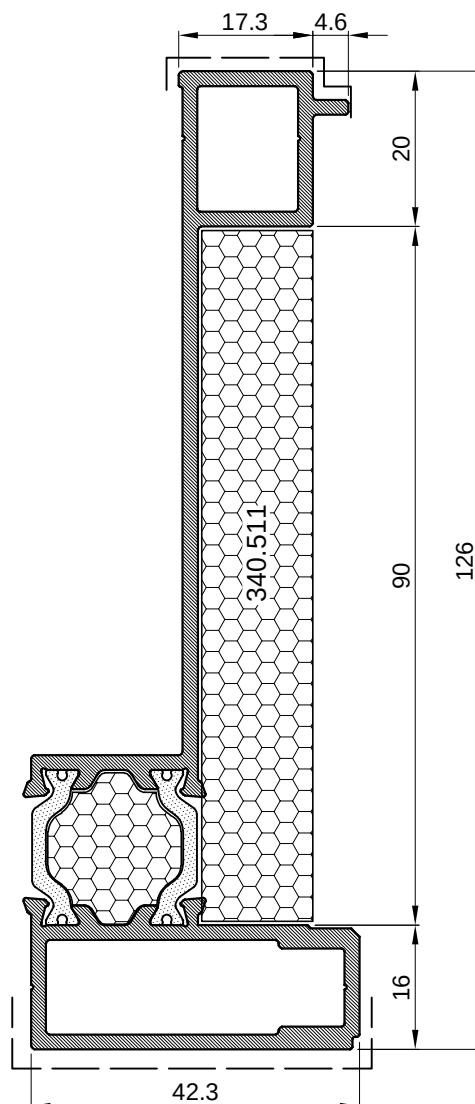
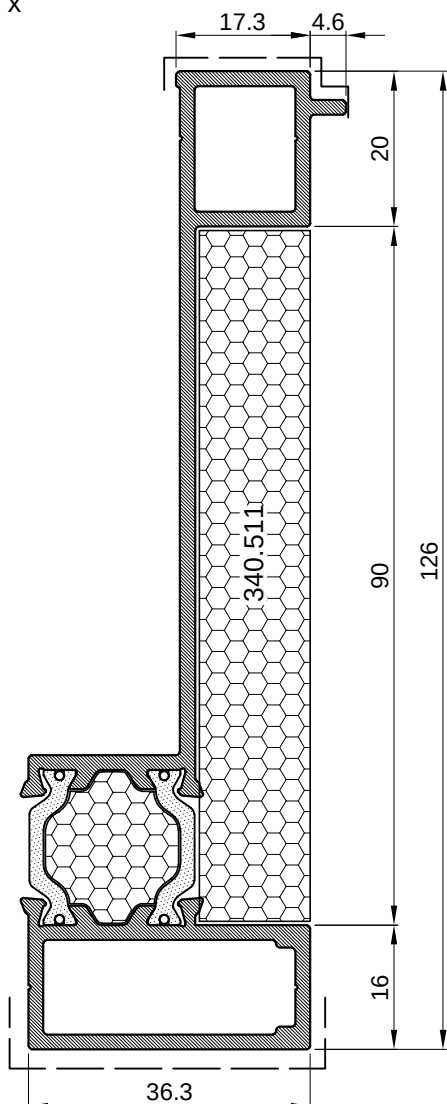
Adapter		
Art.-Br. Art.Nr.	FT-0193F**	
Težina Weight	kg/m'	0.76
Opseg Perimet.	mm	136.80
L	mm	6500



Adapter		
Art.-Br. Art.Nr.	FT-0150/34F	
Težina Weight	kg/m'	0.69
Opseg Perimet.	mm	172.90
L	mm	6500



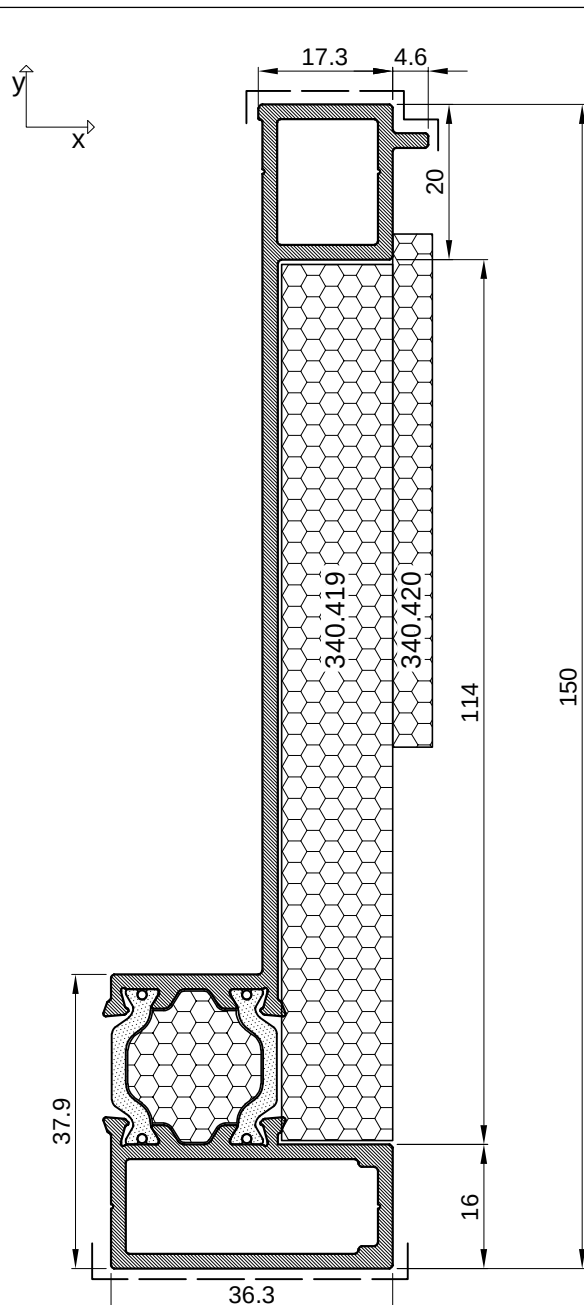
Adapter		
Art.-Br. Art.Nr.	FT-0238 HF	
Težina Weight	kg/m'	0.67
Opseg Perimet.	mm	626.56
L	mm	6500



Spojni profil za T120 Connection profile for T120		
Art.Br. Art.Nr.	FT-1800F	
Težina Weight	kg/m'	1.631
Opseg Perimeter	mm	373
Moment inercije Moments of inertia	I _x (cm ⁴)	109.28
	I _y (cm ⁴)	5.98
	W _x (cm ³)	15.18
	W _y (cm ³)	2.79
L	mm	6500

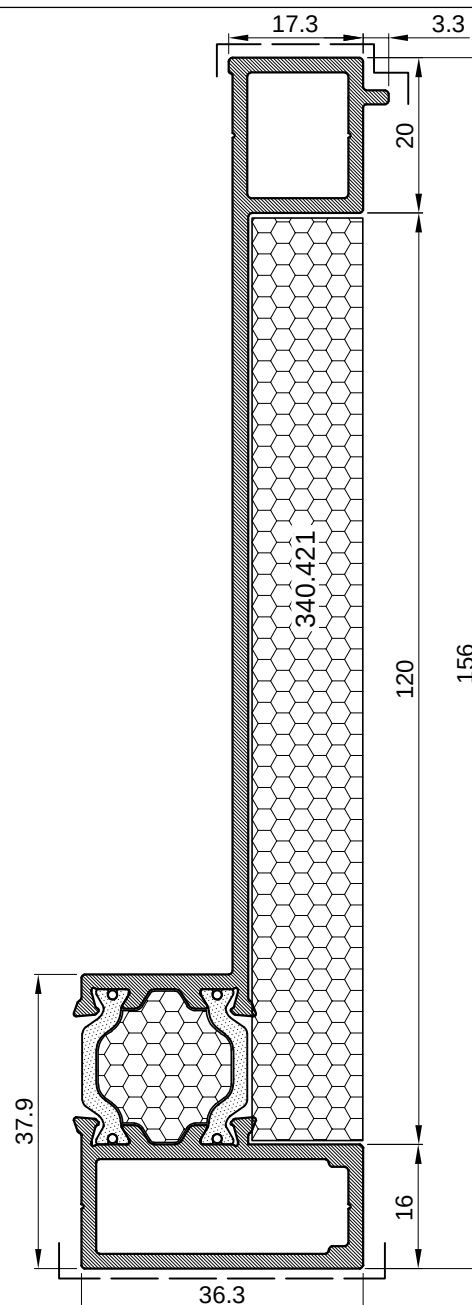
Spojni profil za T120 Connection profile for T120		
Art.Br. Art.Nr.	FT-1801F	
Težina Weight	kg/m'	1.715
Opseg Perimeter	mm	379
Moment inercije Moments of inertia	I _x (cm ⁴)	115.72
	I _y (cm ⁴)	7.35
	W _x (cm ³)	15.54
	W _y (cm ³)	3.29
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”
PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"



Spojni profil za T150
Connection profile for T150

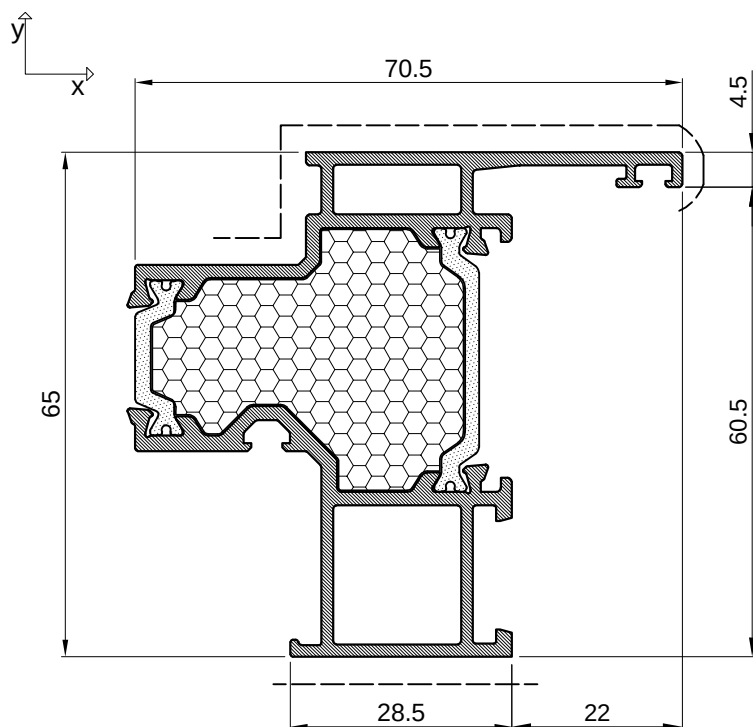
Art.Br. Art.Nr.	FT-0194F	
Težina Weight	kg/m'	1.76
Opseg Perimeter	mm	427.85
Moment inercije Moments of inertia	I _x (cm ⁴)	139.93
	I _y (cm ⁴)	5.89
	W _x (cm ³)	19.97
	W _y (cm ³)	2.78
L	mm	6500



Spojni profil za Inowa
Connection profile for Inowa

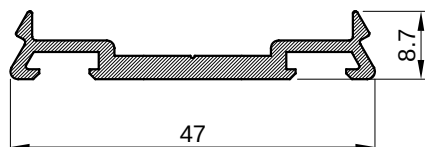
Art.Br. Art.Nr.	FT-0196F	
Težina Weight	kg/m'	1.79
Opseg Perimeter	mm	437.26
Moment inercije Moments of inertia	I _x (cm ⁴)	153.59
	I _y (cm ⁴)	5.79
	W _x (cm ³)	20.92
	W _y (cm ³)	2.74
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”
PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"

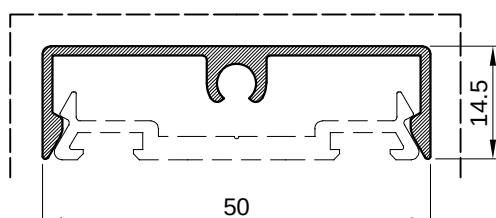


Profil rama-spoj sa fasadom
(T65 plus)
Curtain wall frame (T65 plus)

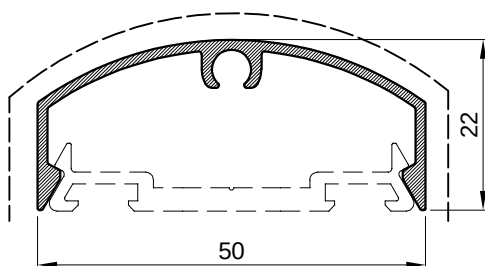
Art.Br. Art.Nr.	FT-1403F	
Težina Weight	kg/m'	1.46
Opseg Perimeter	mm	370
Moment inercije Moments of inertia	I _x (cm ⁴)	17.57
	I _y (cm ⁴)	13.18
	W _x (cm ³)	6.40
	W _y (cm ³)	3.35
L	mm	6500



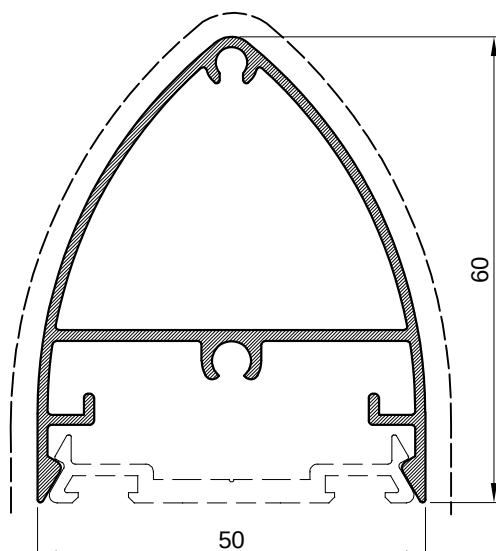
Pritezna lajsna Pressure plate		
Art.Br. Art.Nr.	FMO 50/8	
Težina Weight	kg/m'	0.38
Opseg Perimeter	mm	142.00
L	mm	6500



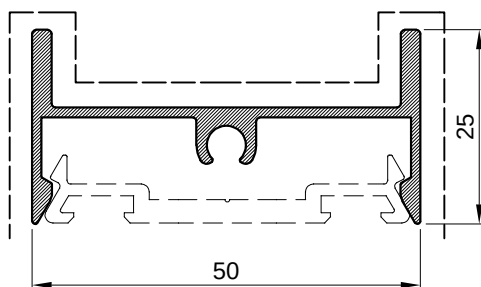
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FMO 50/15	
Težina Weight	kg/m'	0.34
Opseg Perimeter	mm	175.00
L	mm	6500



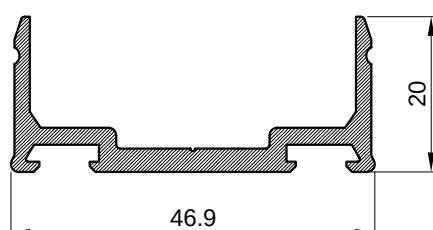
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FMO 50/22	
Težina Weight	kg/m'	0.35
Opseg Perimeter	mm	179.70
L	mm	6500



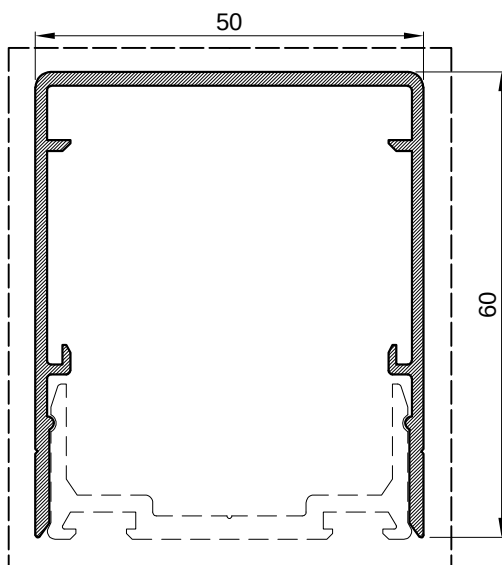
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FMO 50/60	
Težina Weight	kg/m'	0.80
Opseg Perimeter	mm	279.00
L	mm	6500



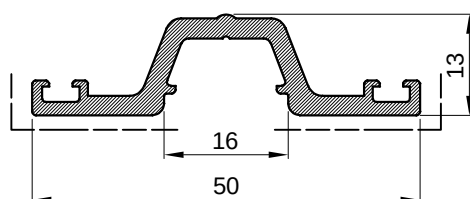
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FMO 50/25	
Težina Weight	kg/m'	0.49
Opseg Perimeter	mm	216.9
L	mm	6500



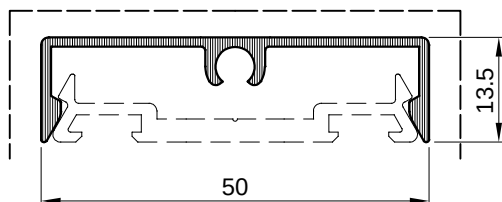
Pritezna lajsna Pressure plate		
Art.Br. Art.Nr.	FMO-50/20-D	
Težina Weight	kg/m'	0.56
Opseg Perimeter	mm	184.80
L	mm	6500



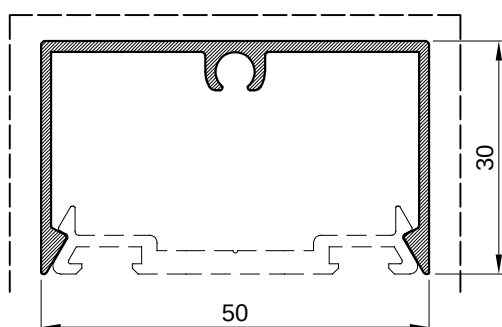
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FMO 50/61	
Težina Weight	kg/m'	0.785
Opseg Perimeter	mm	365.55
L	mm	6500



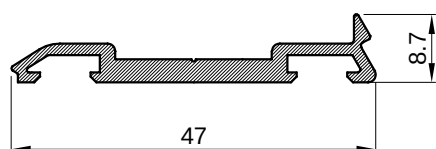
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FM 50/12	
Težina Weight	kg/m'	0.47
Opseg Perimeter	mm	159.91
L	mm	6500



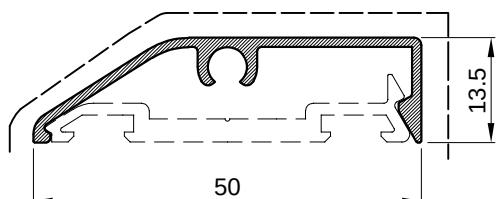
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FMV 50/14	
Težina Weight	kg/m'	0.30
Opseg Perimeter	mm	169.00
L	mm	6500



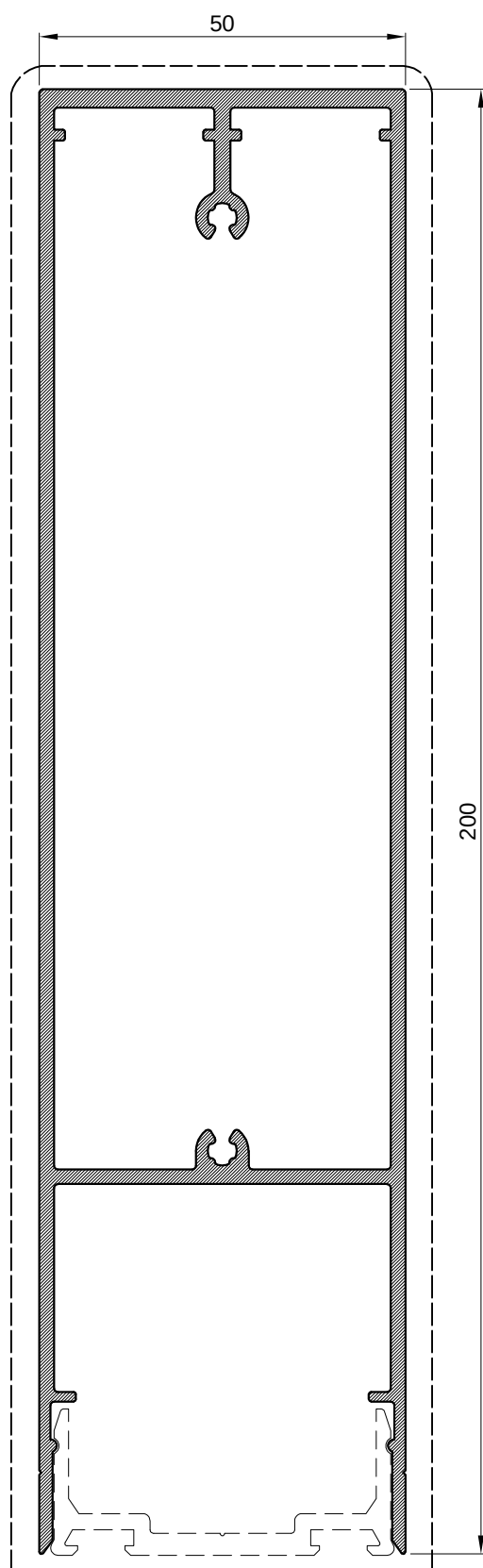
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FMO 50/30	
Težina Weight	kg/m'	0.46
Opseg Perimeter	mm	236.10
L	mm	6500



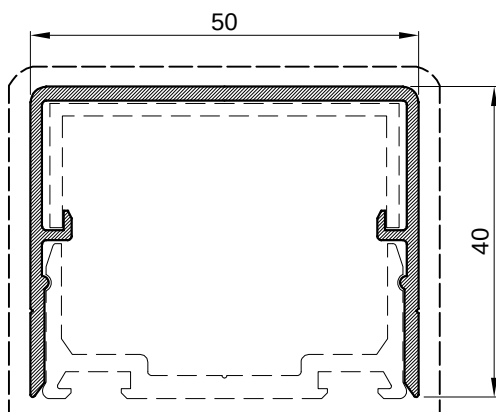
Pritezna lajsna Pressure plate		
Art.Br. Art.Nr.	FMV 50/8	
Težina Weight	kg/m'	0.36
Opseg Perimeter	mm	132.5
L	mm	6500



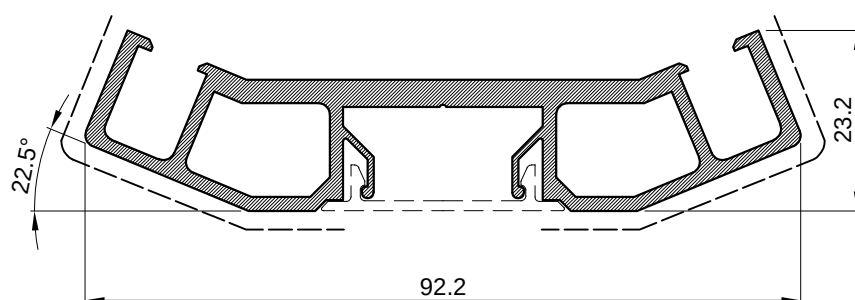
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FMV 50/14-K	
Težina Weight	kg/m'	0.28
Opseg Perimeter	mm	155.00
L	mm	6500



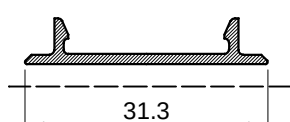
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FPL 50/200	
Težina Weight	kg/m'	2.93
Opseg Perimeter	mm	611.37
L	mm	6500



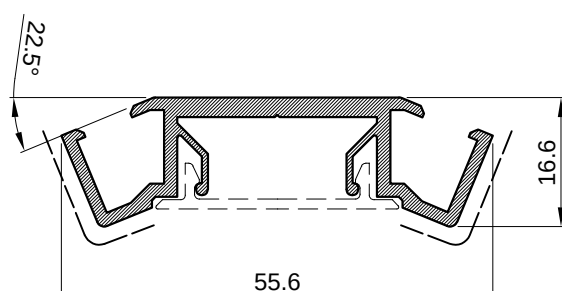
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FMO 50/40	
Težina Weight	kg/m'	0.61
Opseg Perimeter	mm	277.92
L	mm	6500



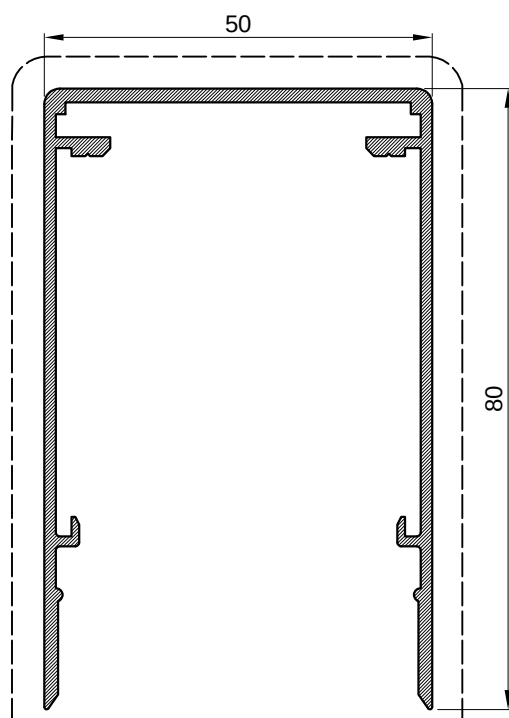
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FMO 135	
Težina Weight	kg/m'	1.30
Opseg Perimeter	mm	339.00
L	mm	6500



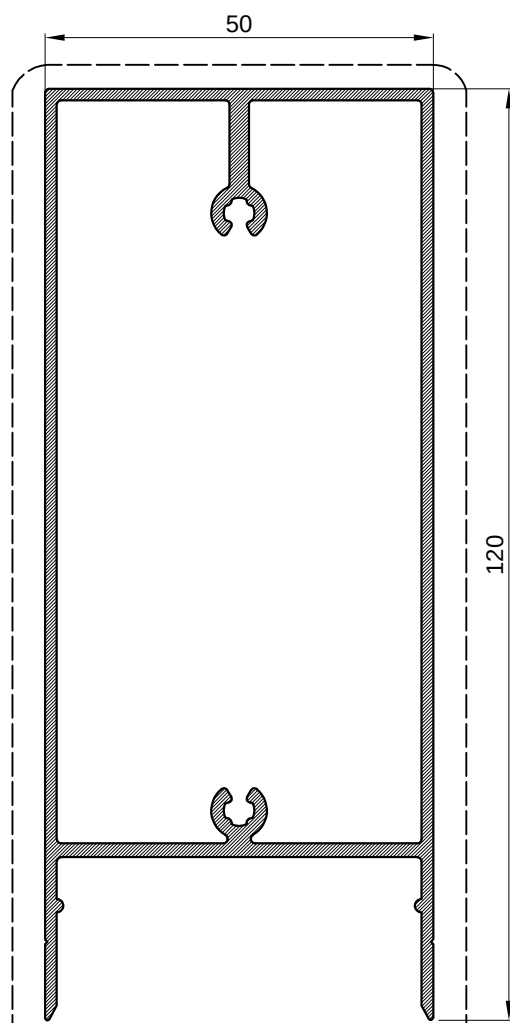
Maska za poklopnu lajsnu Cover cap mask profile		
Art.Br. Art.Nr.	FMO 135/P	
Težina Weight	kg/m'	0.14
Opseg Perimeter	mm	83.00
L	mm	6500



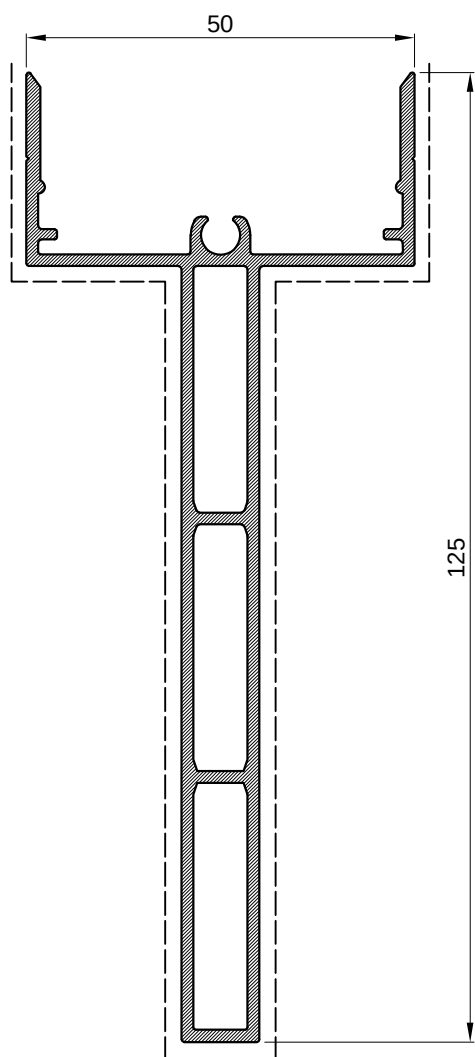
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FMO 60/L135	
Težina Weight	kg/m'	0.57
Opseg Perimeter	mm	250.107
L	mm	6500



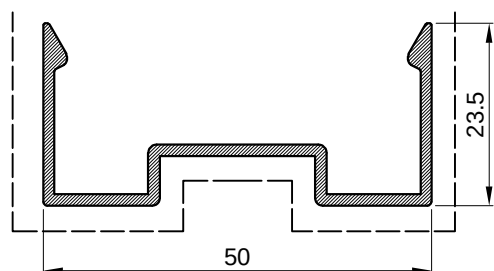
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FM0 50/80	
Težina Weight	kg/m'	1.02
Opseg Perimeter	mm	465.96
L	mm	6500



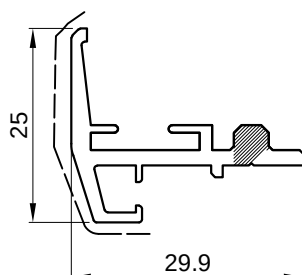
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FM 50/120	
Težina Weight	kg/m'	1.61
Opseg Perimeter	mm	381.85
L	mm	6500



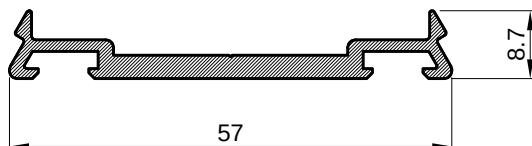
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FM 50/125	
Težina Weight	kg/m'	1.38
Opseg Perimeter	mm	422.17
L	mm	6500



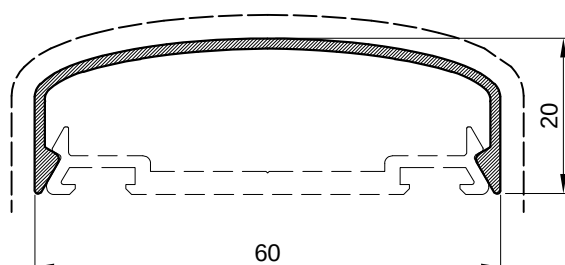
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FM 50/23	
Težina Weight	kg/m'	0.44
Opseg Perimeter	mm	215.76
L	mm	6500



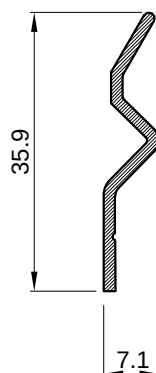
Lajsna Glazing bead		
Art.Br. Art.Nr.	FM 30/20	
Težina Weight	kg/m'	0.38
Opseg Perimeter	mm	151.00
L	mm	6500



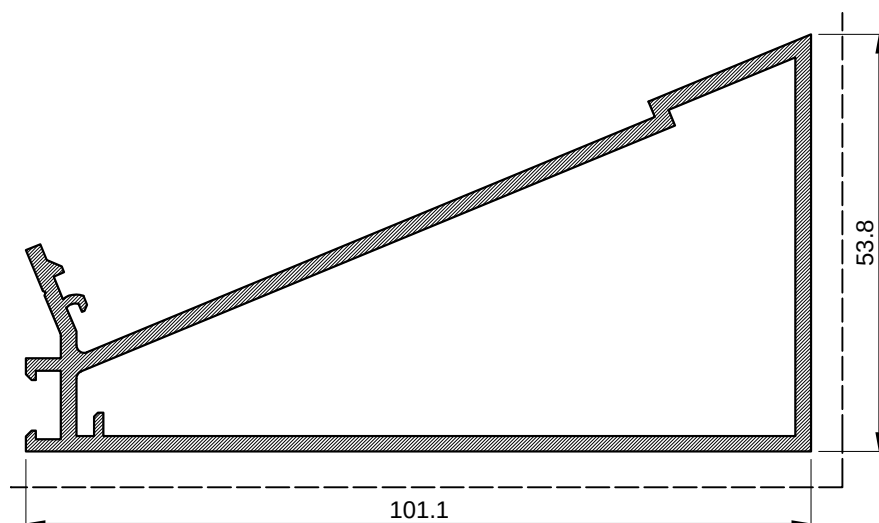
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FM 57/8	
Težina Weight	kg/m'	0.456
Opseg Perimeter	mm	162.00
L	mm	6500



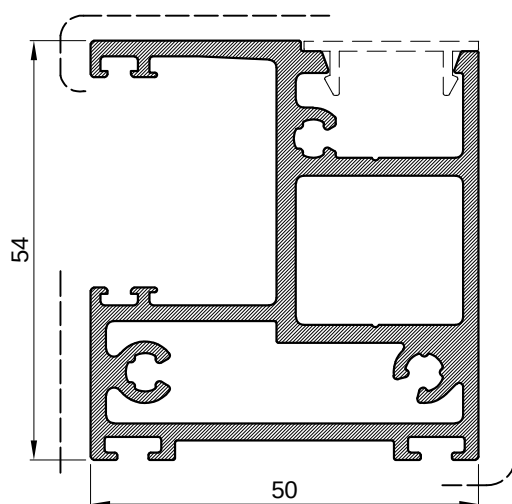
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FM 60/20	
Težina Weight	kg/m'	0.337
Opseg Perimeter	mm	178.93
L	mm	6500



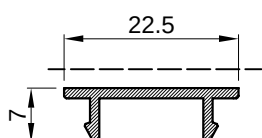
Profil umetka Insertion profile		
Art.Br. Art.Nr.	F-1556	
Težina Weight	kg/m'	0.164
Opseg Perimeter	mm	85
L	mm	6500



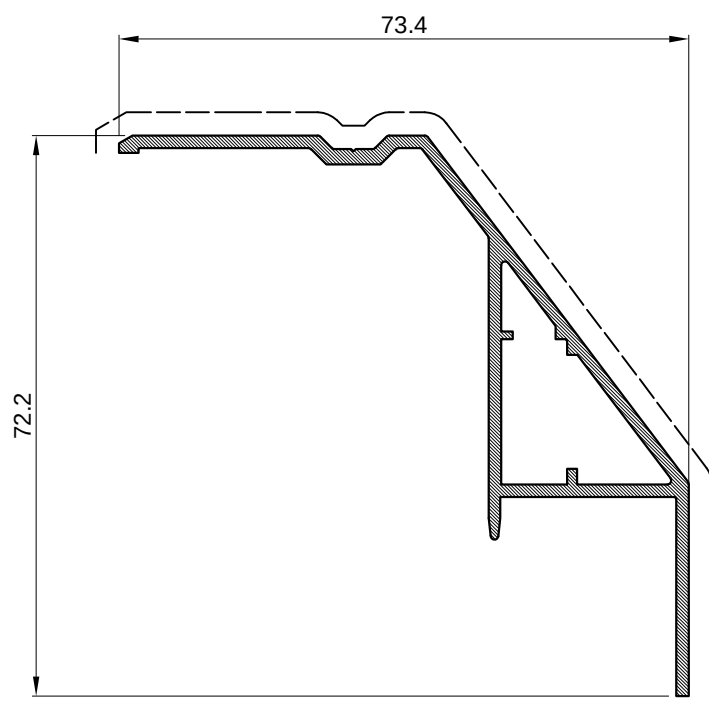
Umetak okomice za fasadu pod kutem Mullion insert for curved facade		
Art.Br. Art.Nr.	FMO 60/0135	
Težina Weight	kg/m'	1.57
Opseg Perimeter	mm	330.069
L	mm	6500



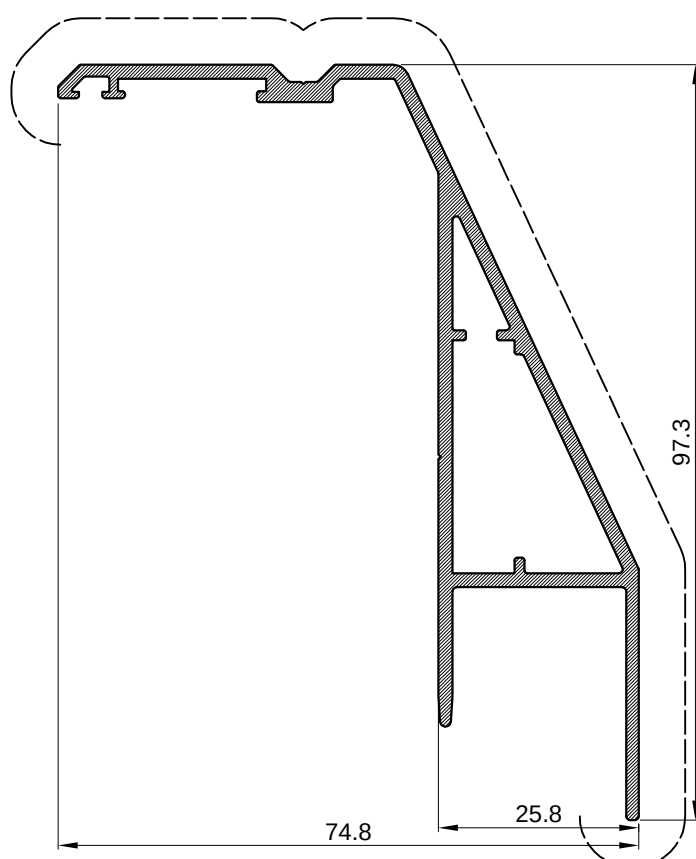
Profil francuskog balkona French balcony profile		
Art.Br. Art.Nr.	F-1569	
Težina Weight	kg/m'	1.78
Opseg Perimeter	mm	357.20
L	mm	6500



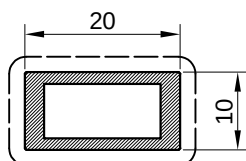
Pokrivni profil Cover profile		
Art.Br. Art.Nr.	F-0826	
Težina Weight	kg/m'	0.18
Opseg Perimeter	mm	70.29
L	mm	6500



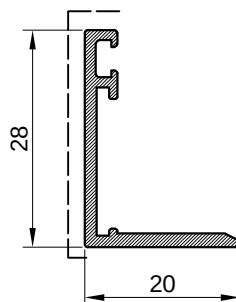
Lasjna krovnog prozora Roof window glazing bead		
Art.Br. Art.Nr.	F-0796	
Težina Weight	kg/m'	0.81
Opseg Perimeter	mm	277.00
L	mm	6500



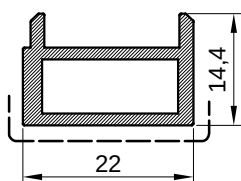
Lajsna krovnog prozora Roof window glazing bead		
Art.Br. Art.Nr.	F-1572	
Težina Weight	kg/m'	1.22
Opseg Perimeter	mm	372.40
L	mm	6500



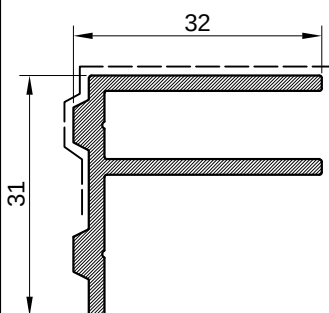
Umetak za otvore Insert for openings		
Art.Br. Art.Nr.	F-1564	
Težina Weight	kg/m'	0.26
Opseg Perimeter	mm	59.66
L	mm	6500



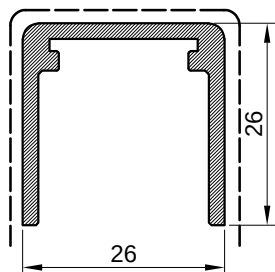
Unutarnja maska Interior mask profile		
Art.Br. Art.Nr.	F-1558	
Težina Weight	kg/m'	0.23
Opseg Perimeter	mm	113.00
L	mm	6500



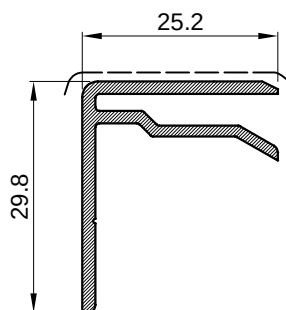
Umetak za otvore Insert for openings		
Art.Br. Art.Nr.	F-1566	
Težina Weight	kg/m'	0.30
Opseg Perimeter	mm	79.96
L	mm	6500



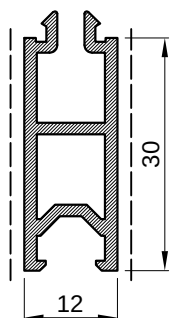
Umetak za ugradnju u fasadu 50 FS Installation insert in facade 50 FS		
Art.Br. Art.Nr.	F-1559	
Težina Weight	kg/m'	0.53
Opseg Perimeter	mm	182.16
L	mm	6500



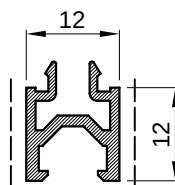
Profil rukohvata fr. balkona Handrail for french balcony		
Art.Br. Art.Nr.	F-1437	
Težina Weight	kg/m'	0.45
Opseg Perimeter	mm	153.63
L	mm	6500



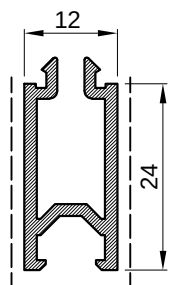
Profil spoja sa zidom Wall connection profile		
Art.Br. Art.Nr.	F-0895	
Težina Weight	kg/m'	0.33
Opseg Perimeter	mm	157.55
L	mm	6500



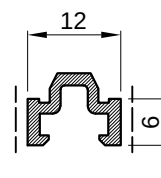
Al. umetak 30 mm Al. insert 30 mm		
Art.Br. Art.Nr.	FM 30/12	
Težina Weight	kg/m'	0.39
Opseg Perimeter	mm	145.60
L	mm	6500



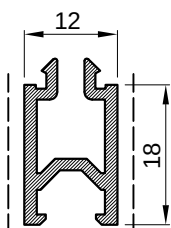
Al. umetak 12 mm Al. insert 12 mm		
Art.Br. Art.Nr.	FM 12/12	
Težina Weight	kg/m'	0.18
Opseg Perimeter	mm	100.16
L	mm	6500



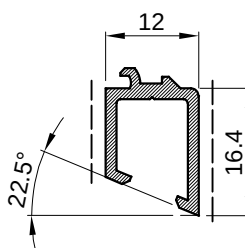
Al. umetak 24 mm Al. insert 24 mm		
Art.Br. Art.Nr.	FM 24/12	
Težina Weight	kg/m'	0.31
Opseg Perimeter	mm	148.30
L	mm	6500



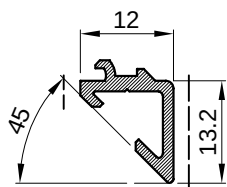
Al. umetak 6 mm Al. insert 6 mm		
Art.Br. Art.Nr.	FM 6/12	
Težina Weight	kg/m'	0.12
Opseg Perimeter	mm	61.00
L	mm	6500



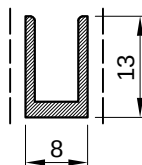
Al. umetak 18 mm Al. insert 18 mm		
Art.Br. Art.Nr.	FM 18/12	
Težina Weight	kg/m'	0.25
Opseg Perimeter	mm	124.00
L	mm	6500



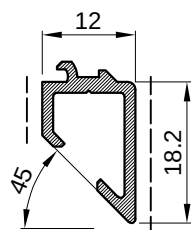
Al. kutni umetak 16.4 mm Al. angle insert 16,4 mm		
Art.Br. Art.Nr.	F 0857	
Težina Weight	kg/m'	0.17
Opseg Perimeter	mm	90.00
L	mm	6500



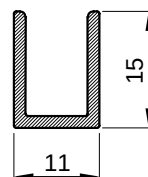
Al. kutni umetak 13.2 mm Al. angle insert 13,2 mm		
Art.Br. Art.Nr.	F-0856	
Težina Weight	kg/m'	0.14
Opseg Perimeter	mm	69.48
L	mm	6500



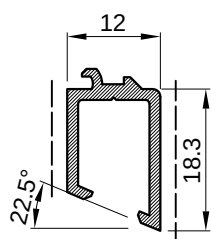
Al profil 13x8 Al profile 13x8		
Art.Br. Art.Nr.	F-0779	
Težina Weight	kg/m'	0.12
Opseg Perimeter	mm	63.60
L	mm	6500



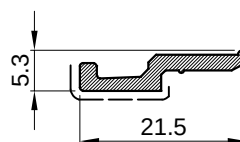
Al. kutni umetak 18.2 mm Al. angle insert 18,2 mm		
Art.Br. Art.Nr.	F-0856/50	
Težina Weight	kg/m'	0.18
Opseg Perimeter	mm	90.00
L	mm	6500



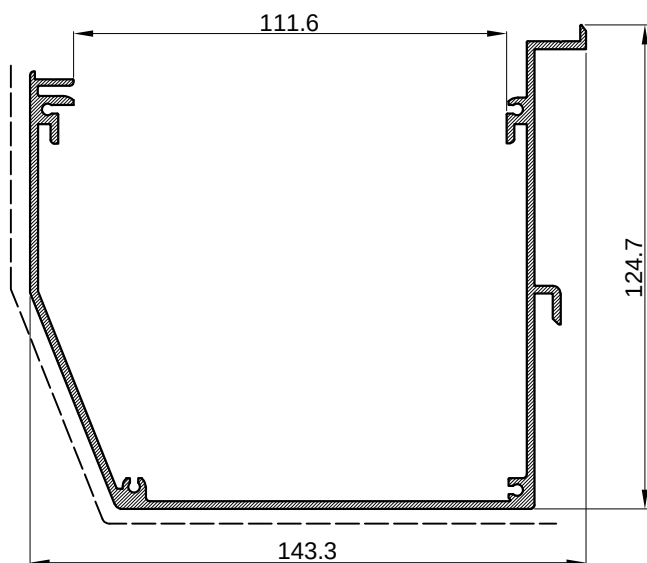
U profil 15x8 U profile 15x8		
Art.Br. Art.Nr.	F-0137/A	
Težina Weight	kg/m'	0.15
Opseg Perimeter	mm	77.580
L	mm	6500



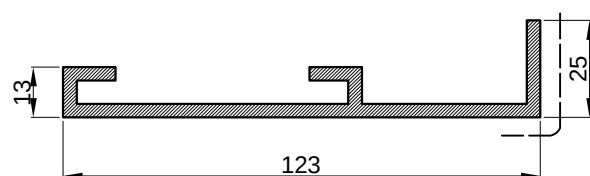
Al. kutni umetak 18.3 mm Al. angle insert 18,3 mm		
Art.Br. Art.Nr.	F-0857/50	
Težina Weight	kg/m'	0.19
Opseg Perimeter	mm	98.00
L	mm	6500



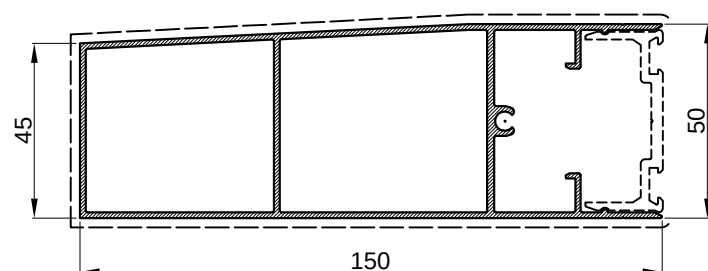
Staklolajsna Glazing bead		
Art.Br. Art.Nr.	F-0807	
Težina Weight	kg/m'	0.13
Opseg Perimeter	mm	54.34
L	mm	6500



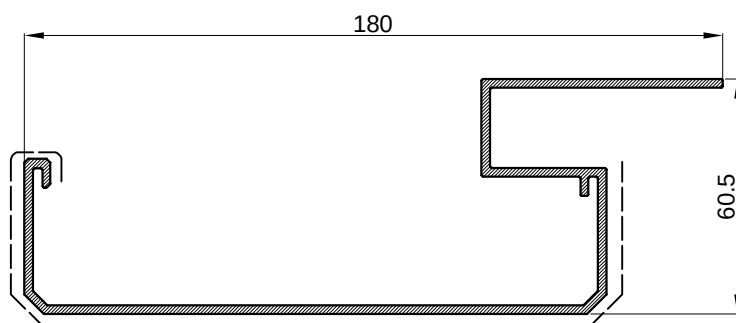
Profil oluka Gutter profile		
Art.Br. Art.Nr.	F-0819	
Težina Weight	kg/m'	2.38
Opseg Perimeter	mm	847.028
L	mm	6500



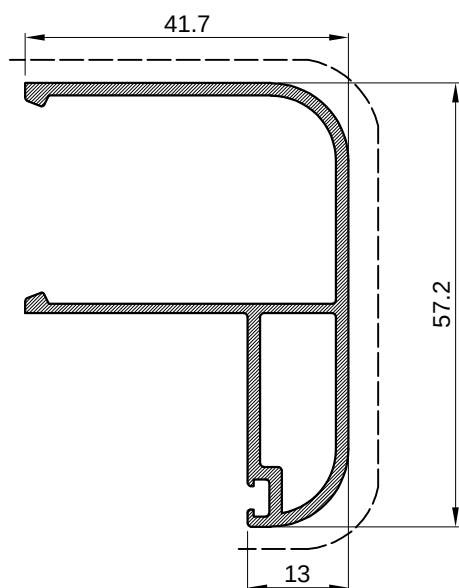
Nosač oluka Gutter support		
Art.Br. Art.Nr.	F-0270/A	
Težina Weight	kg/m'	1.73
Opseg Perimeter	mm	437.00
L	mm	6500



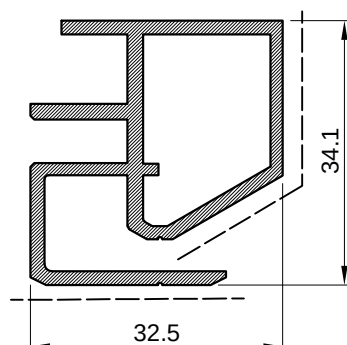
Poklopna lajsna Cover cap		
Art.Br. Art.Nr.	FMO 50/150	
Težina Weight	kg/m'	1.93
Opseg Perimeter	mm	547.90
L	mm	6500



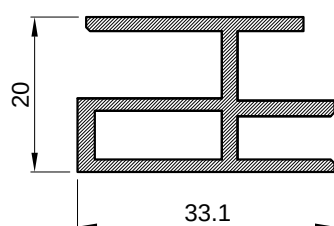
Profil oluka Gutter profile		
Art.Br. Art.Nr.	F-1159	
Težina Weight	kg/m'	2.05
Opseg Perimeter	mm	691.03
L	mm	6500



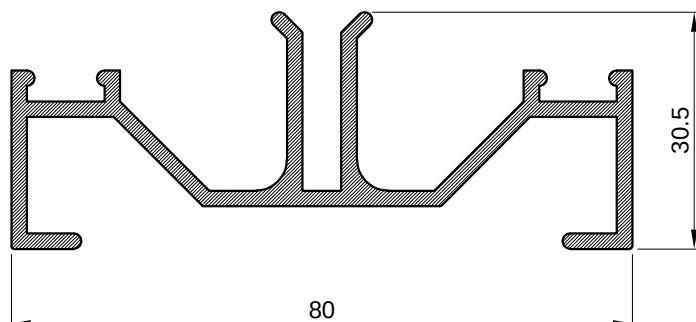
Profil za spoj knaufa Profile for drywall connection		
Art.Br. Art.Nr.	F-0748	
Težina Weight	kg/m'	0.71
Opseg Perimeter	mm	276.60
L	mm	6500



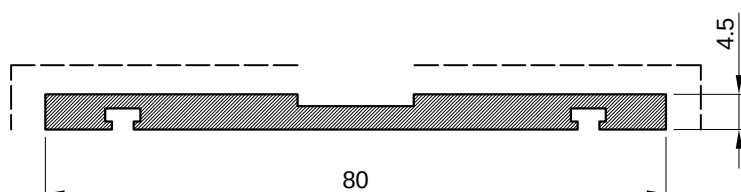
Profil za prihvata panela Panel holder		
Art.Br. Art.Nr.	F-0854	
Težina Weight	kg/m'	0.75
Opseg Perimeter	mm	229.32
L	mm	6500



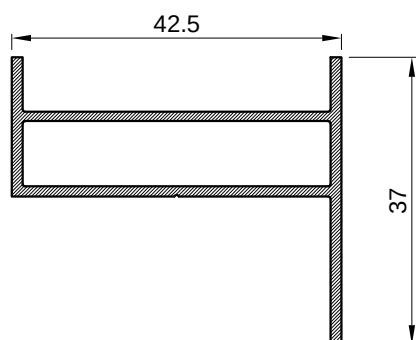
Parapetni profil Spandrel profile		
Art.Br. Art.Nr.	F-0855	
Težina Weight	kg/m'	0.55
Opseg Perimeter	mm	182.22
L	mm	6500



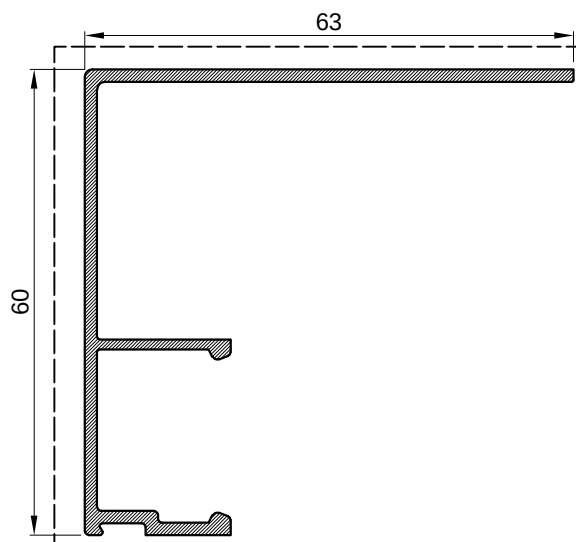
Profil za atiku Attic profile		
Art.Br. Art.Nr.	061045	
Težina Weight	kg/m'	1.03
Opseg Perimeter	mm	403.80
L	mm	6500



Profil za atiku Attic profile		
Art.Br. Art.Nr.	060807	
Težina Weight	kg/m'	0.85
Opseg Perimeter	mm	186.00
L	mm	6500

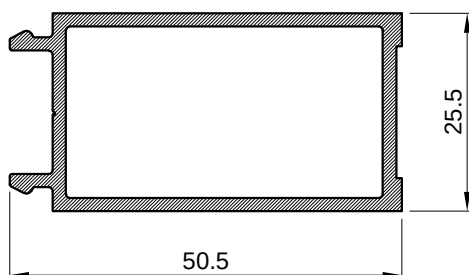


Parapetni profil Spandrel profile		
Art.Br. Art.Nr.	F-1127	
Težina Weight	kg/m'	0.48
Opseg Perimeter	mm	172.79
L	mm	6500



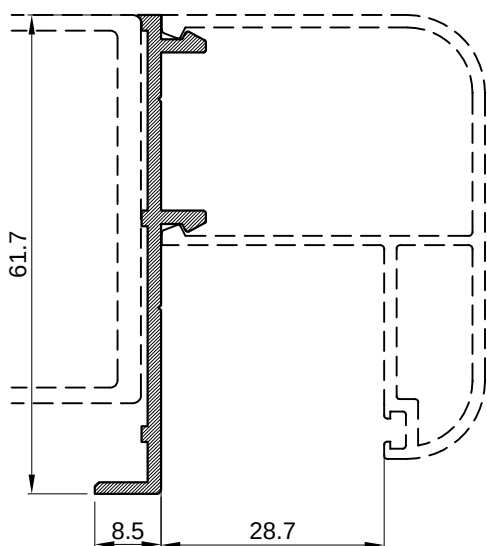
Poklopna lajsna motora za otvaranje
Opening motor cover cap

Art.Br. Art.Nr.	F-1128	
Težina Weight	kg/m'	0.68
Opseg Perimeter	mm	318.66
L	mm	6500



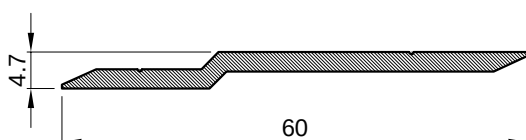
Držalč motora za otvaranje
Opening motor support

Art.Br. Art.Nr.	F-1129	
Težina Weight	kg/m'	0.69
Opseg Perimeter	mm	164.62
L	mm	6500



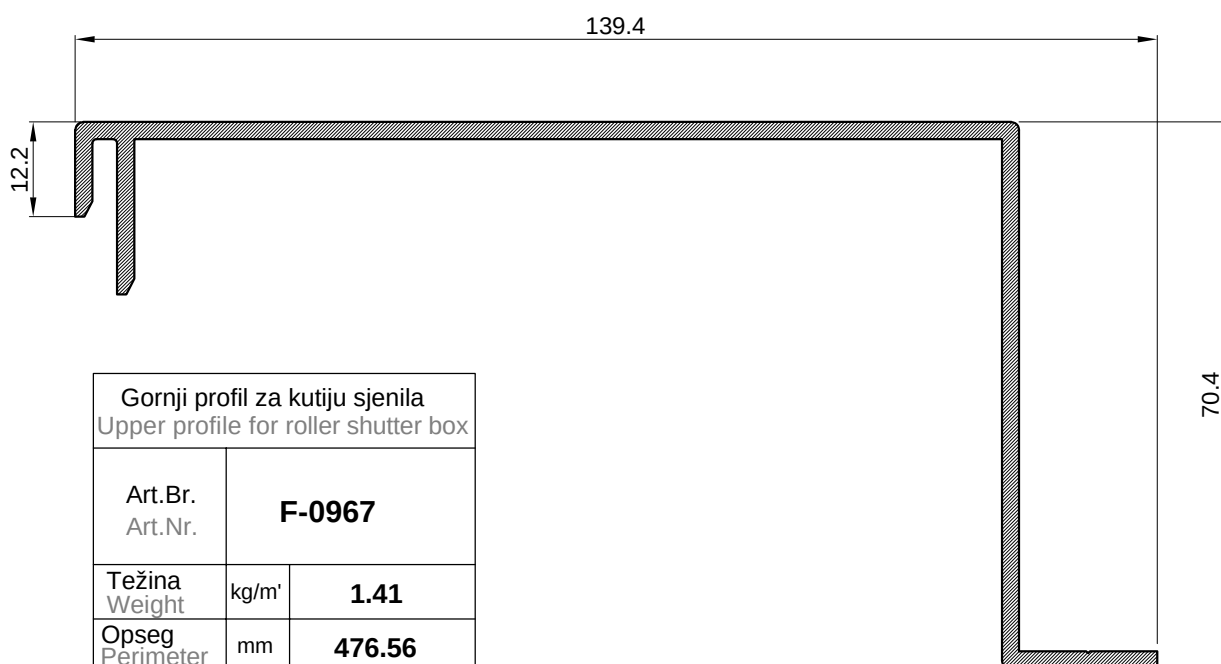
Držalč profila
Pressure plate

Art.Br. Art.Nr.	F-0746	
Težina Weight	kg/m'	0.39
Opseg Perimeter	mm	170.15
L	mm	6500

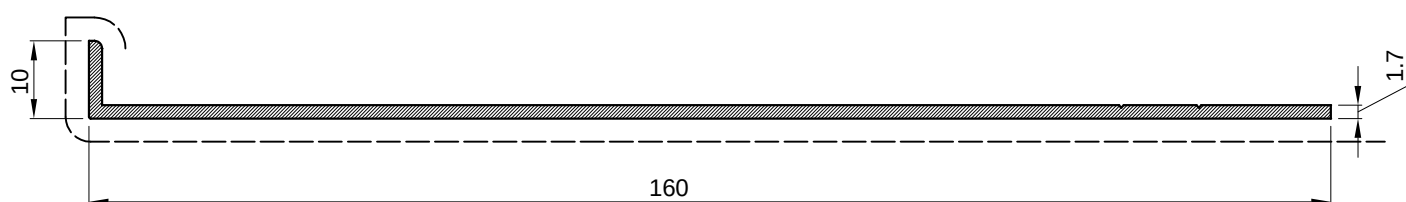


Držalč lima
Sheet holder

Art.Br. Art.Nr.	F-1160	
Težina Weight	kg/m'	0.39
Opseg Perimeter	mm	124.37
L	mm	6500



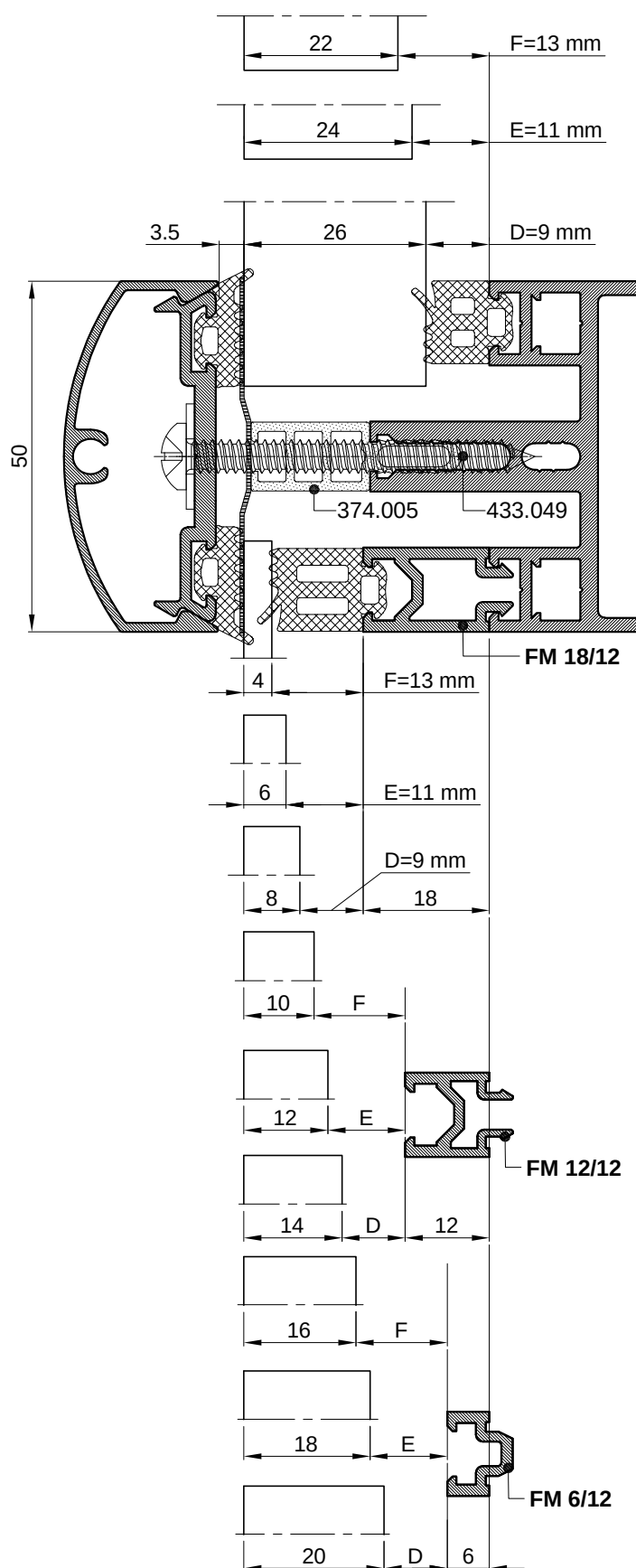
Gornji profil za kutiju sjenila Upper profile for roller shutter box		
Art.Br. Art.Nr.	F-0967	
Težina Weight	kg/m'	1.41
Opseg Perimeter	mm	476.56
L	mm	6500



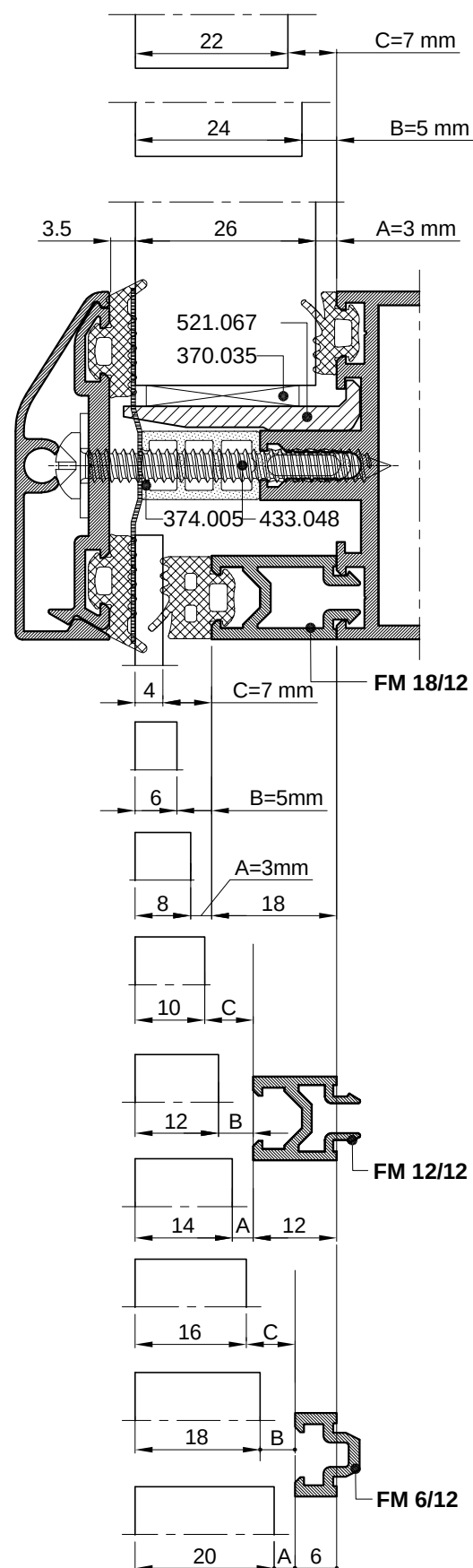
Bočni profil za kutiju sjenila Side profile for roller shutter box		
Art.Br. Art.Nr.	F-0968	
Težina Weight	kg/m'	0.77
Opseg Perimeter	mm	339.99
L	mm	6500

Prikaz stakljenja Glazing

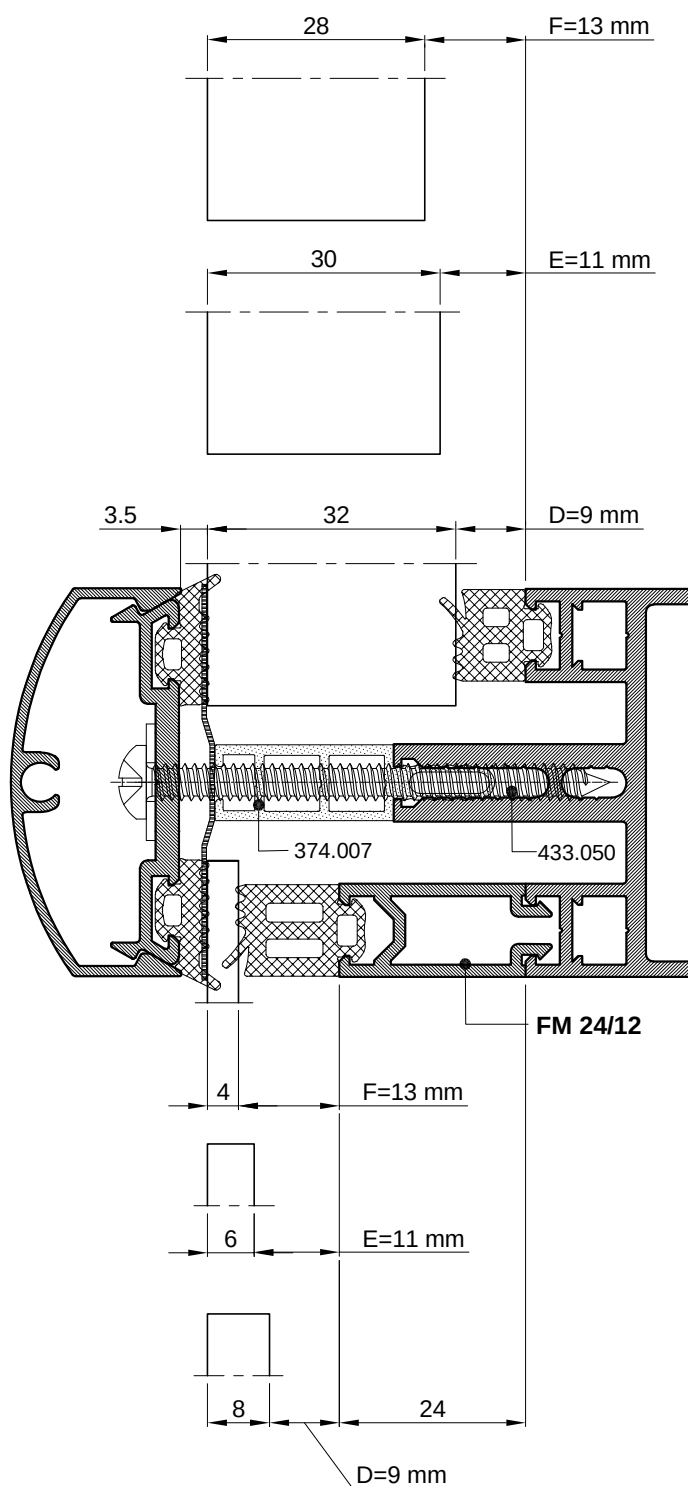
Okomica Mullion



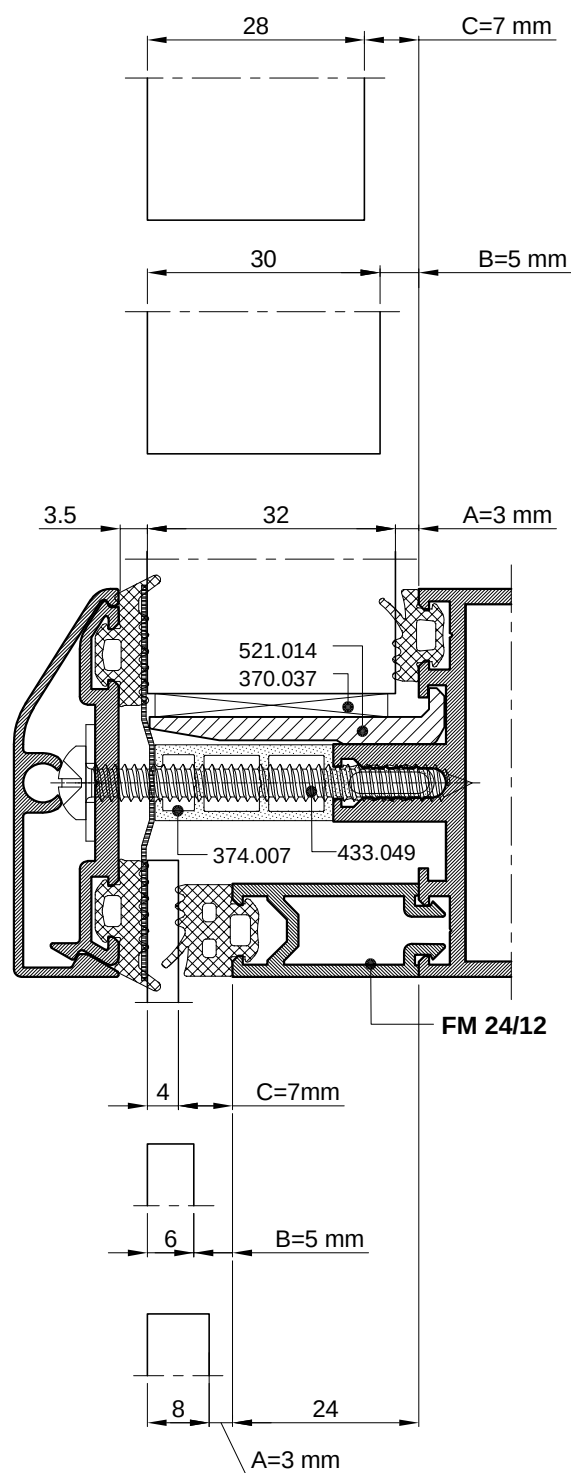
Vodoravnica Transom



Okomica
Mullion

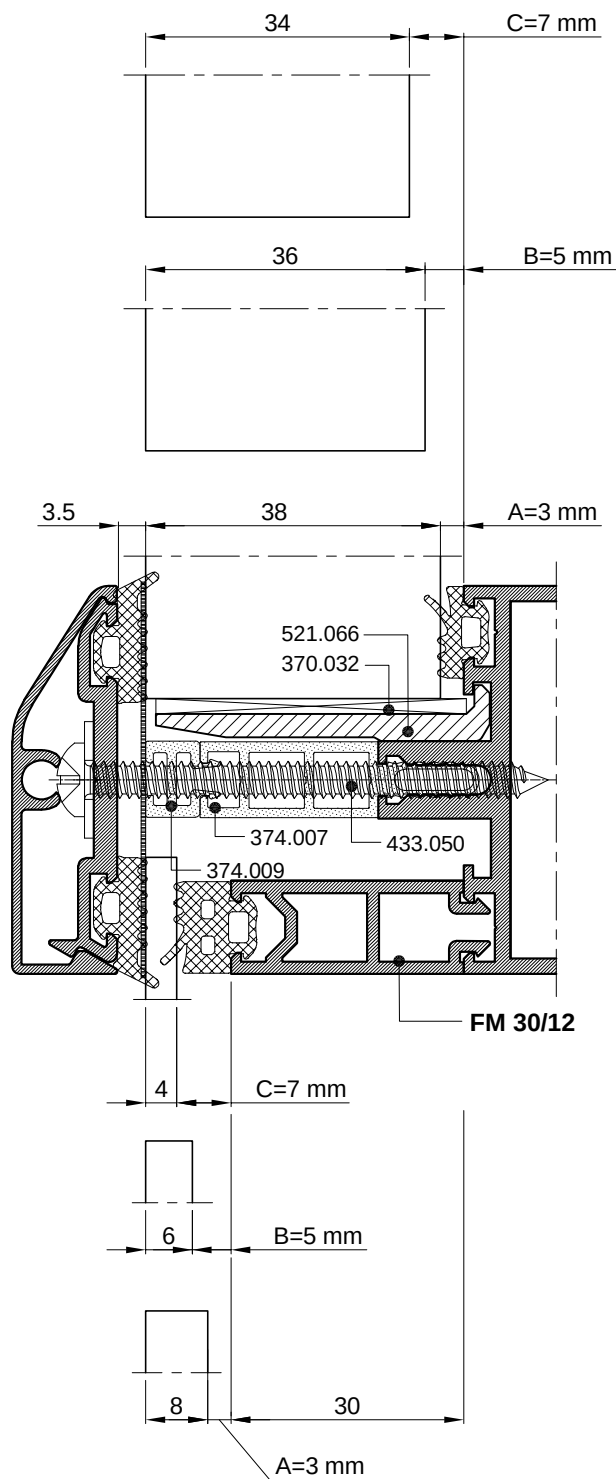
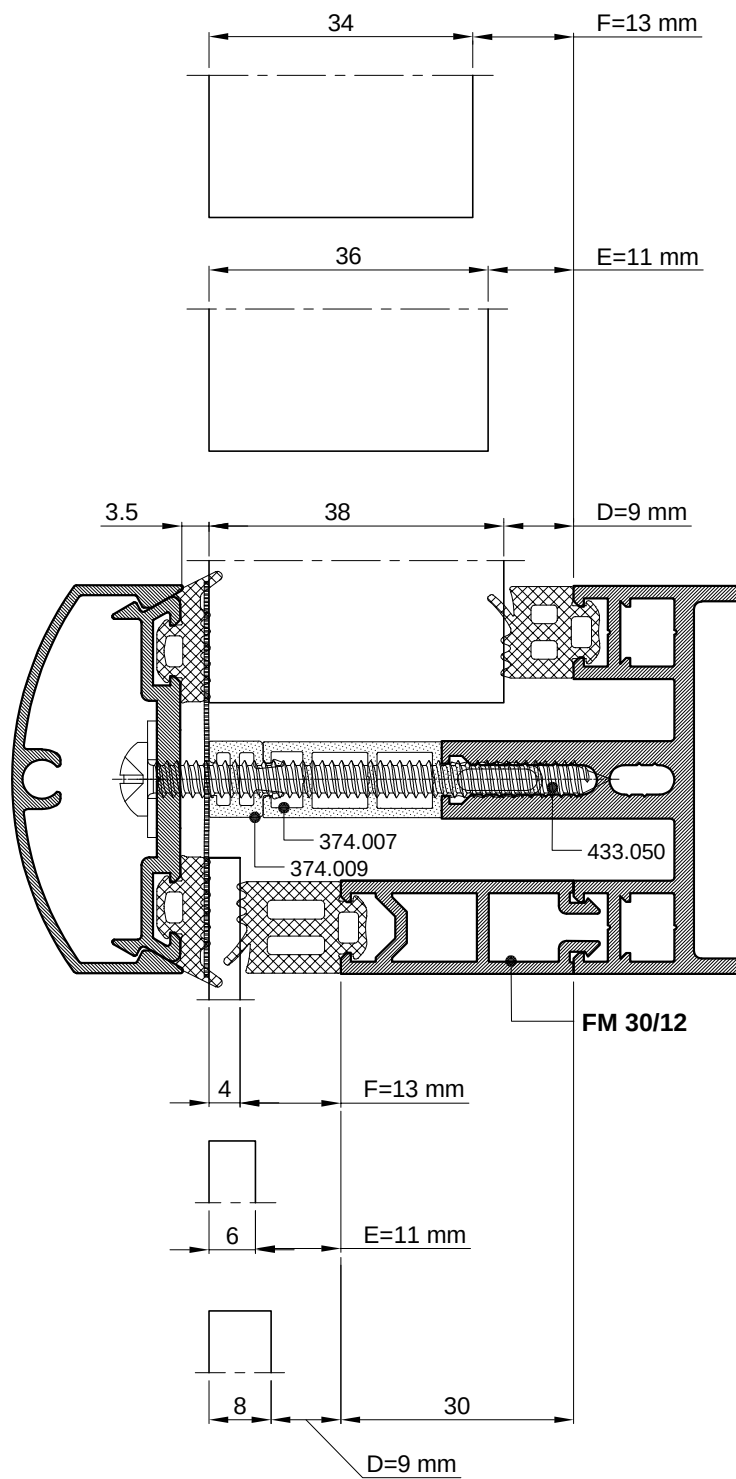


Vodoravnica
Transom

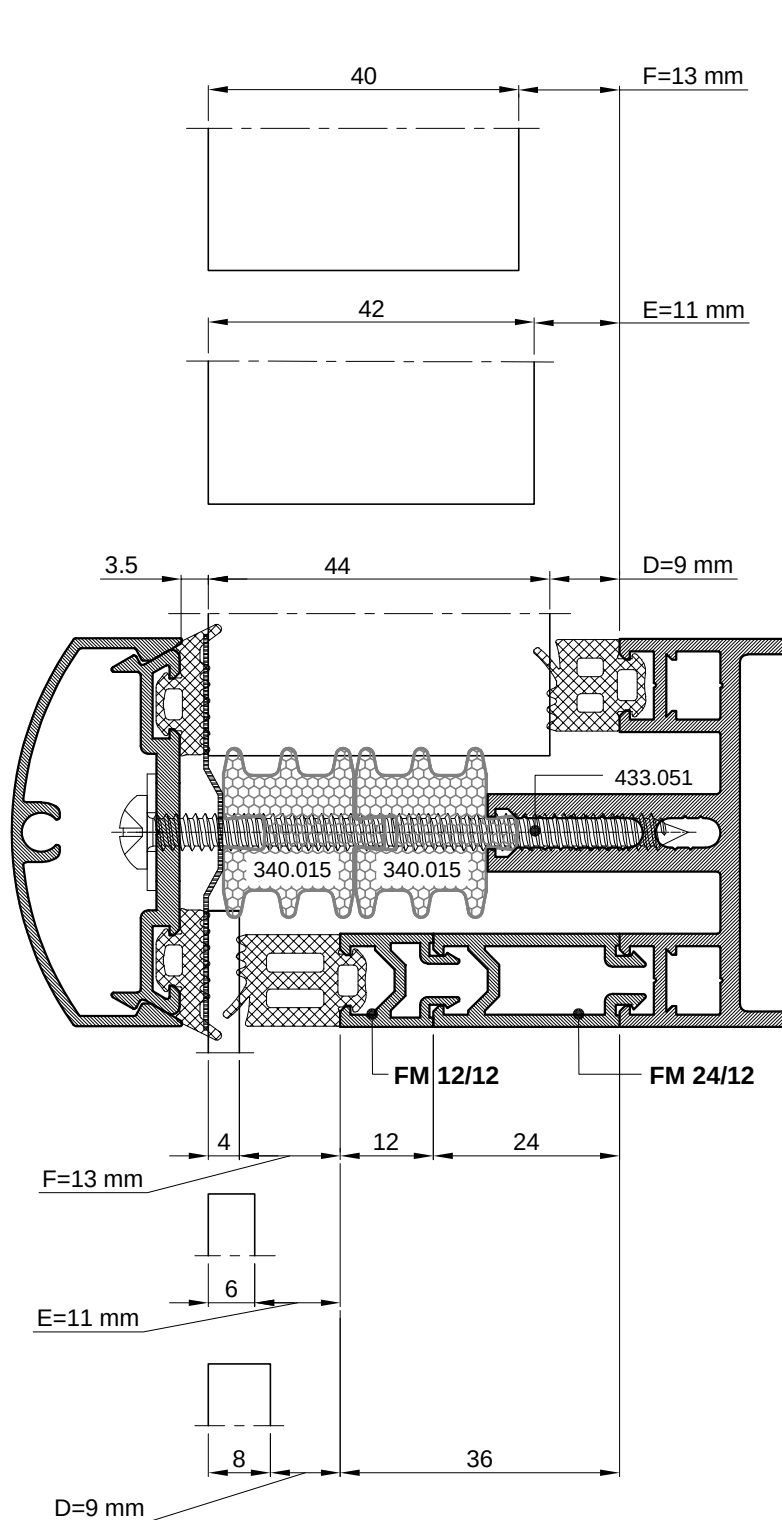


Okomica
Mullion

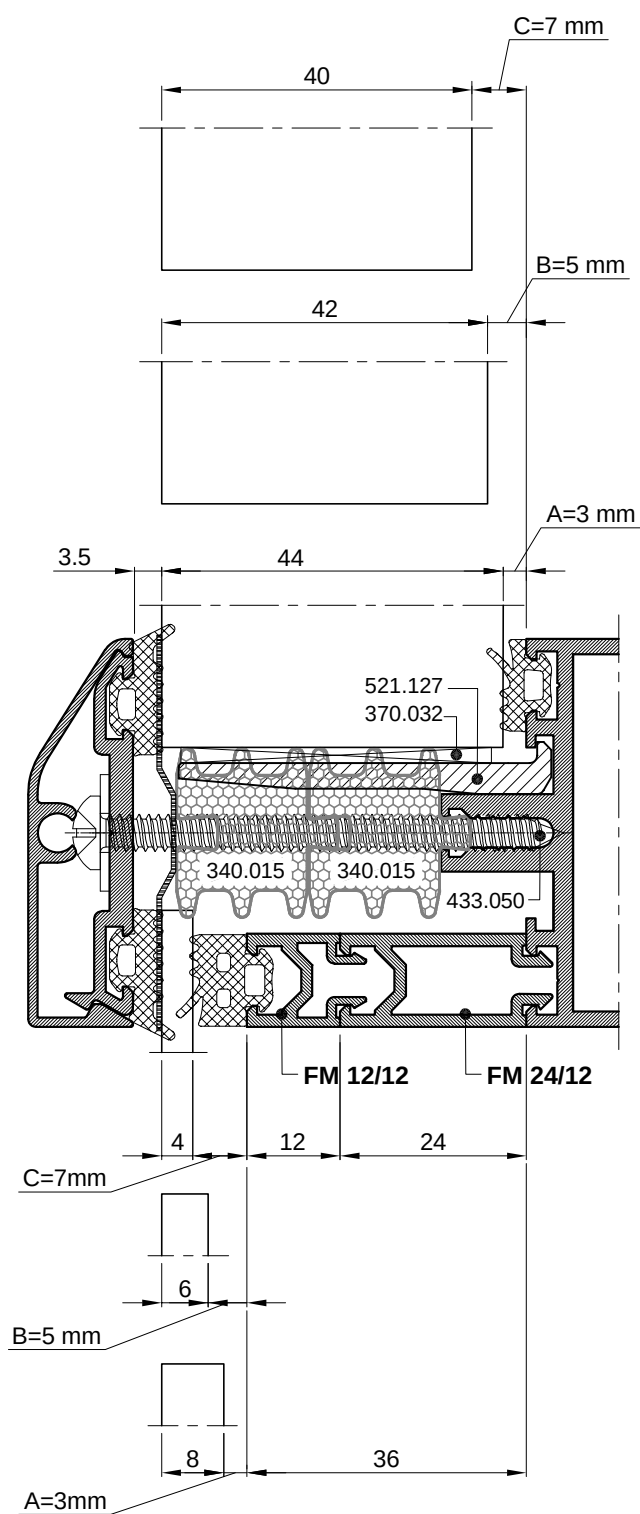
Vodoravnica
Transom



Okomica
Mullion

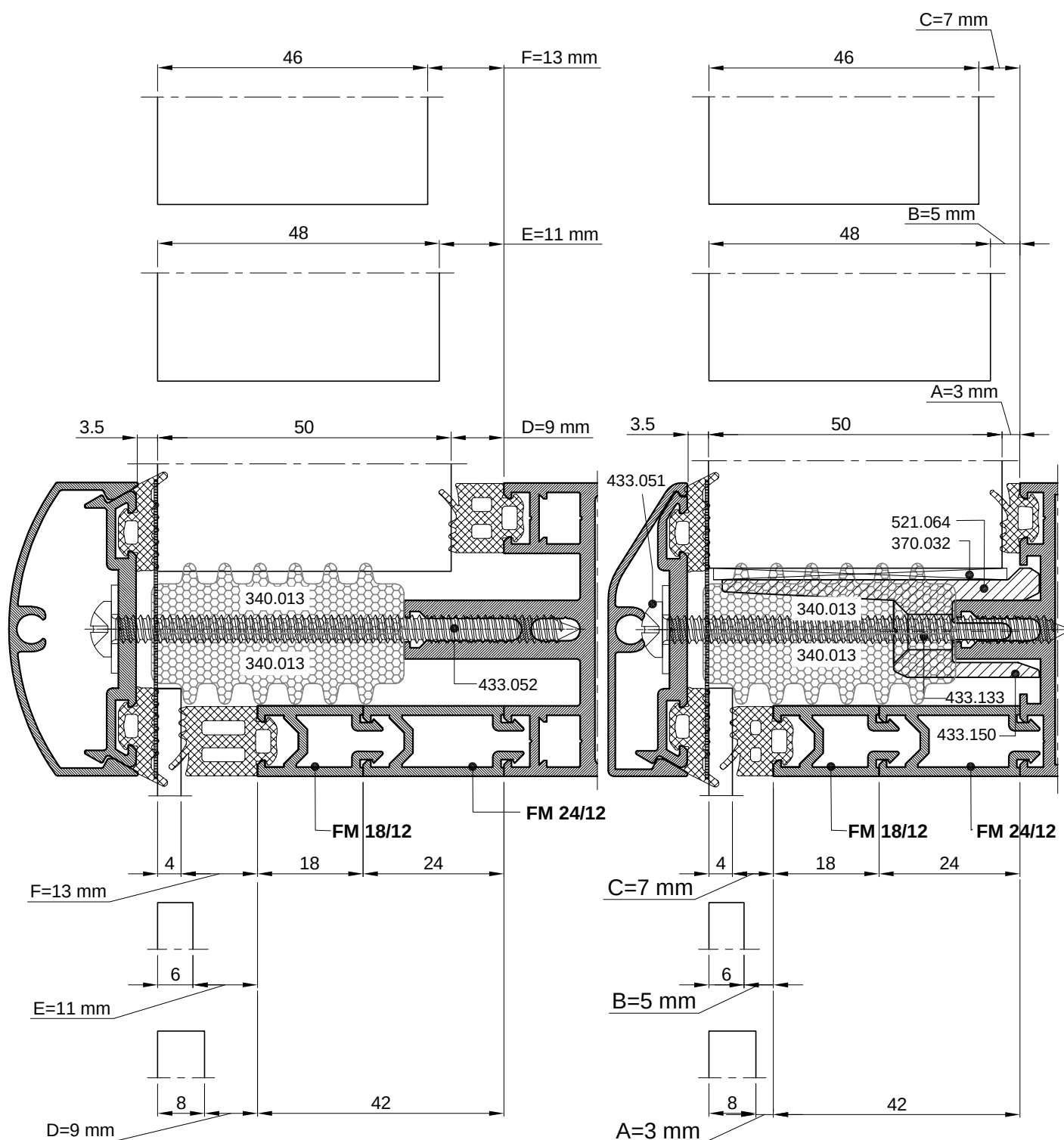


Vodoravnica
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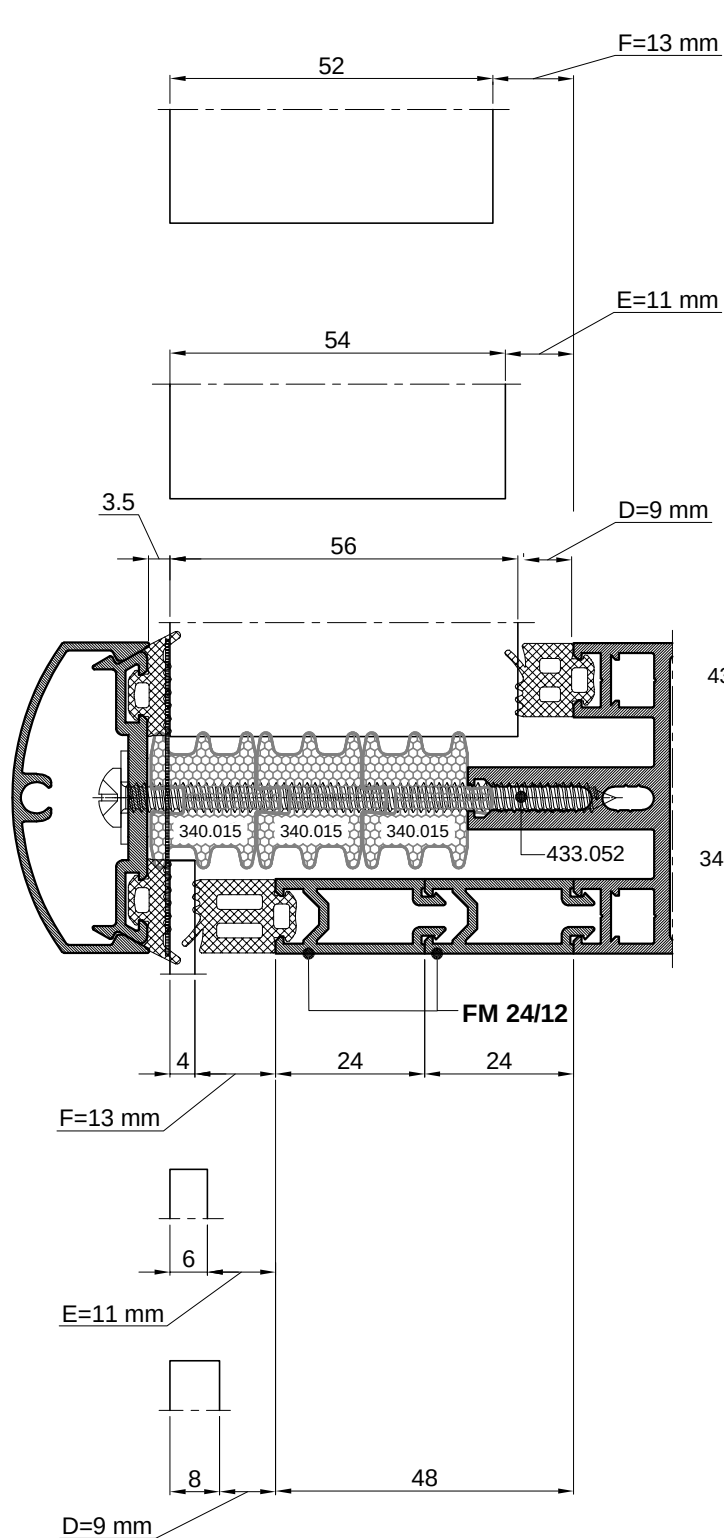


Okomica
Mullion

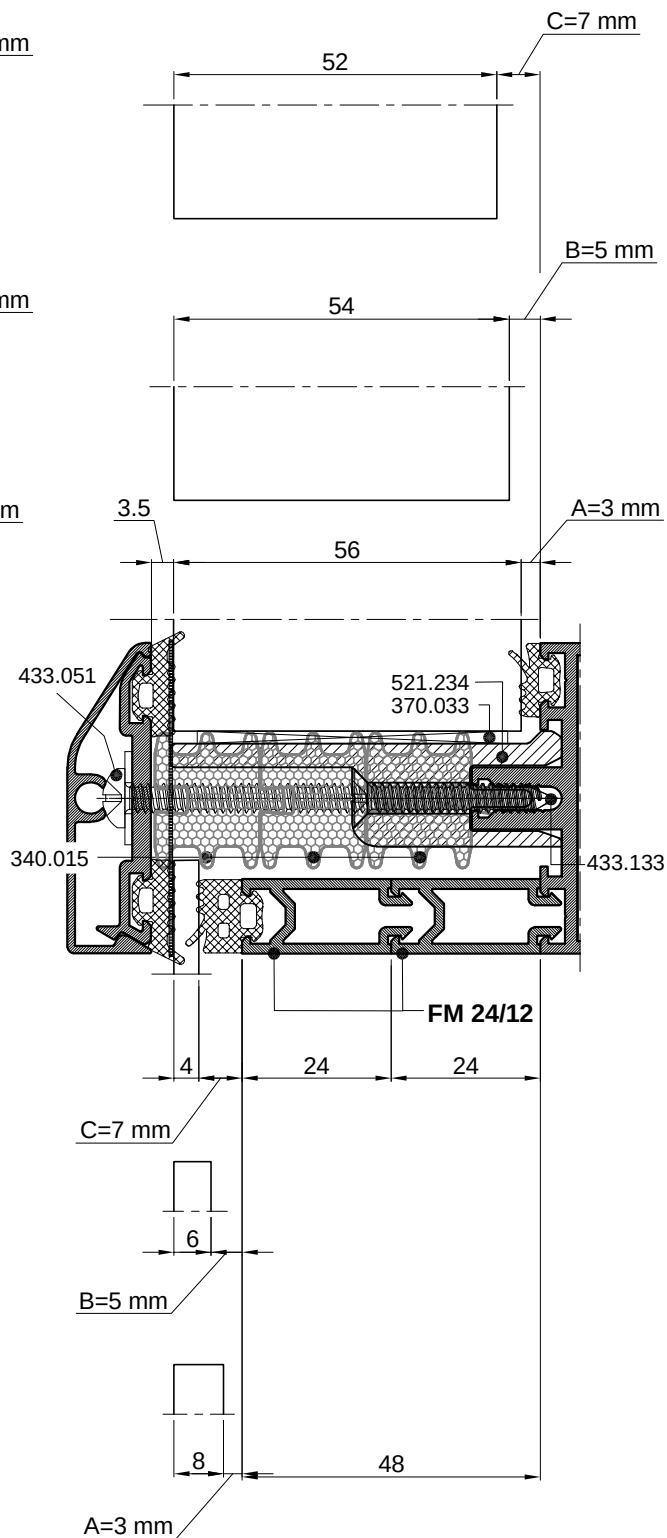
Vodoravnica
Transom



Okomica
Mullion

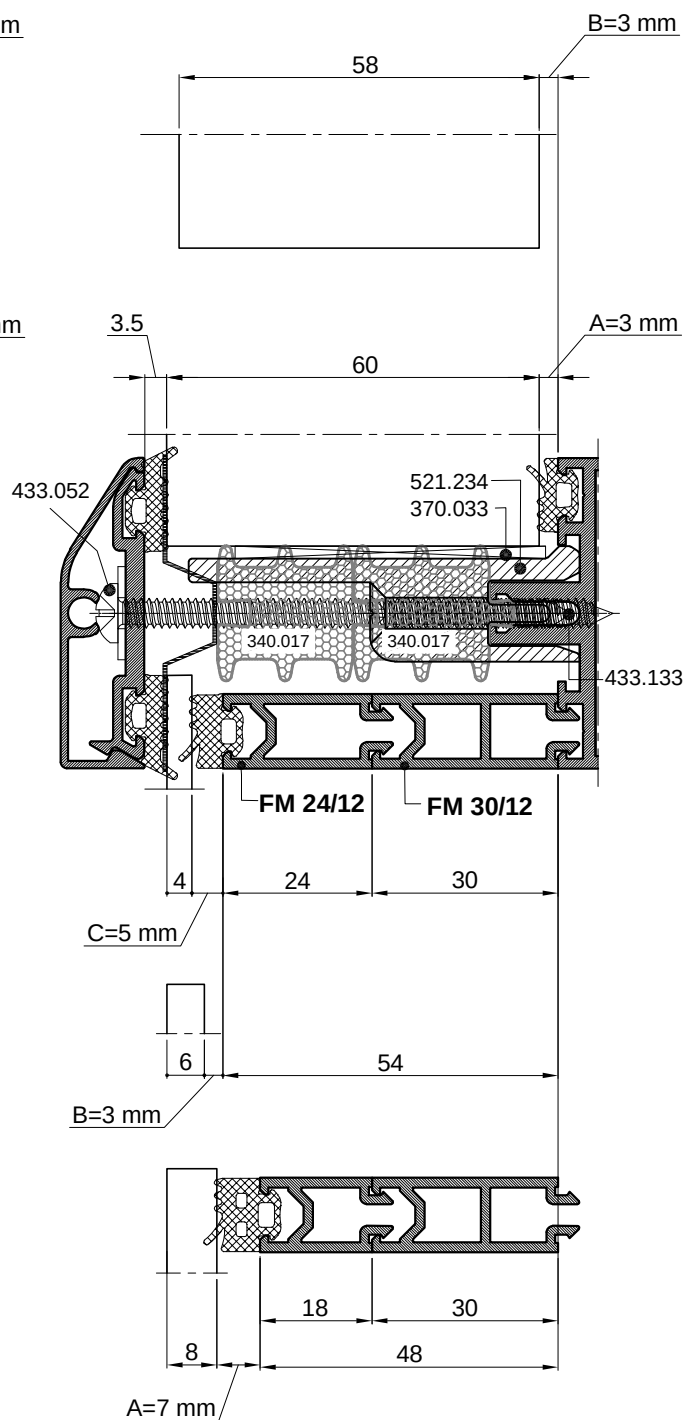
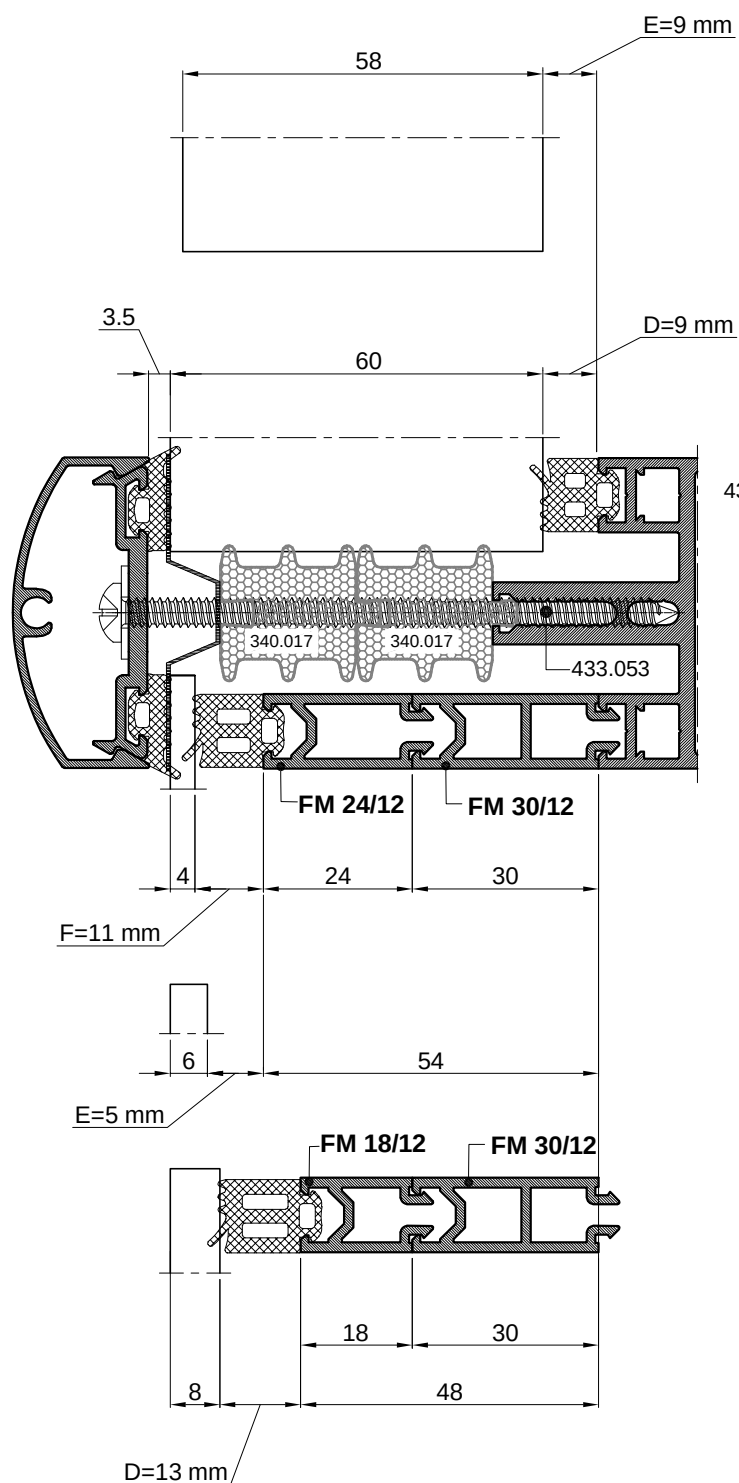


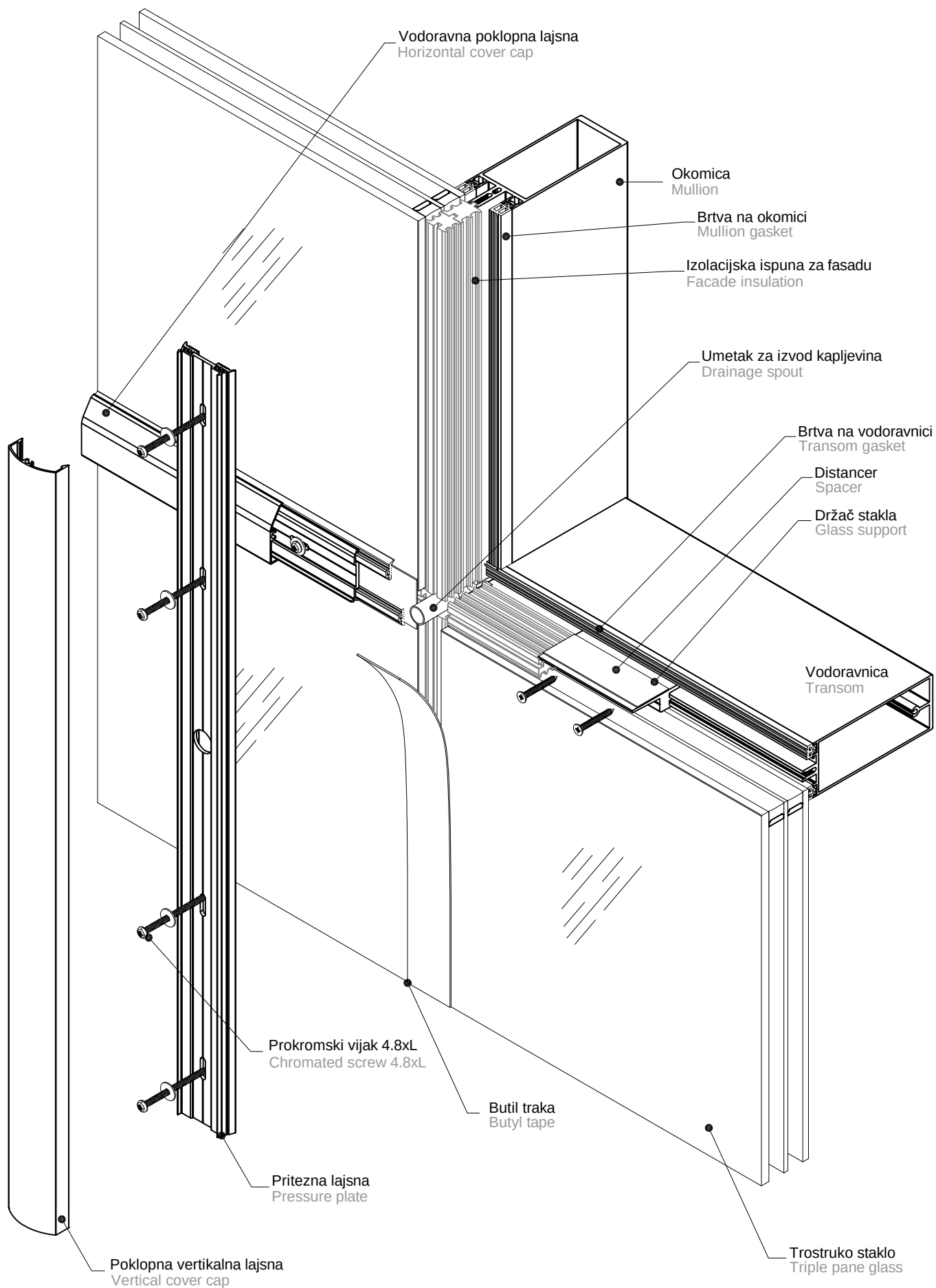
Vodoravnica
Transom



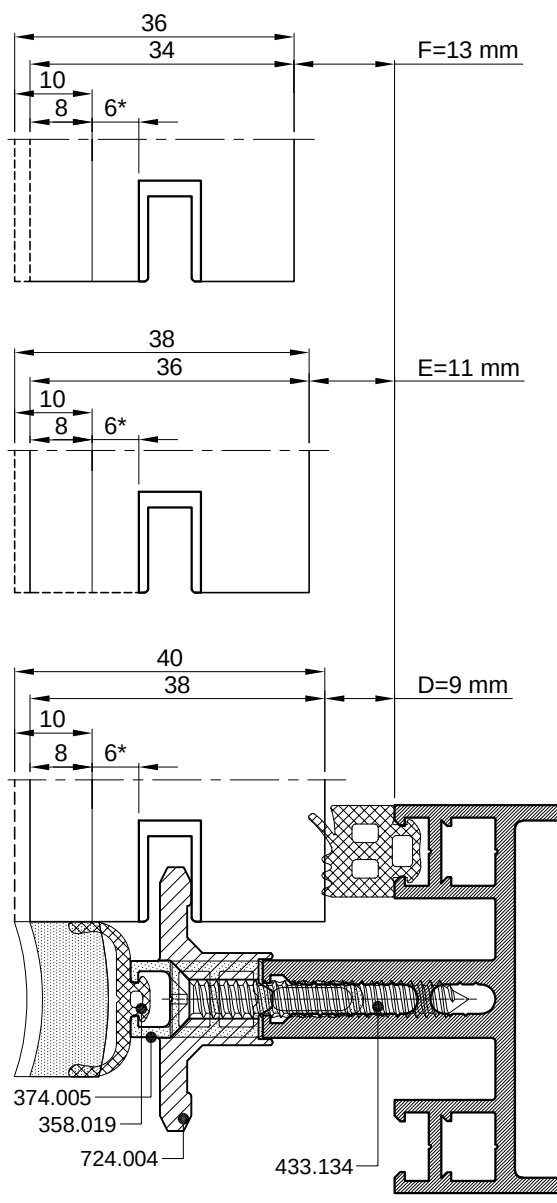
Okomica Mullion

Vodoravnica Transom

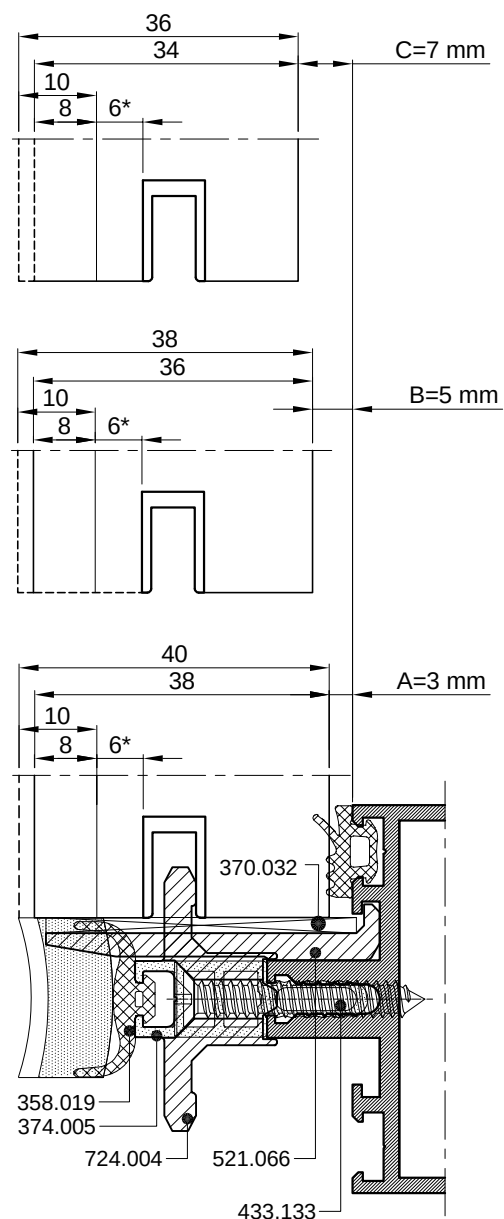




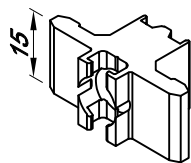
Okomica Mullion



Vodoravnica Transom

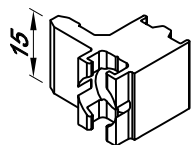


724.004

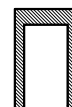


Kopča strukturalne fasade
Structural facade clamp

724.005



Kopča strukturalne fasade
Structural facade clamp

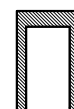
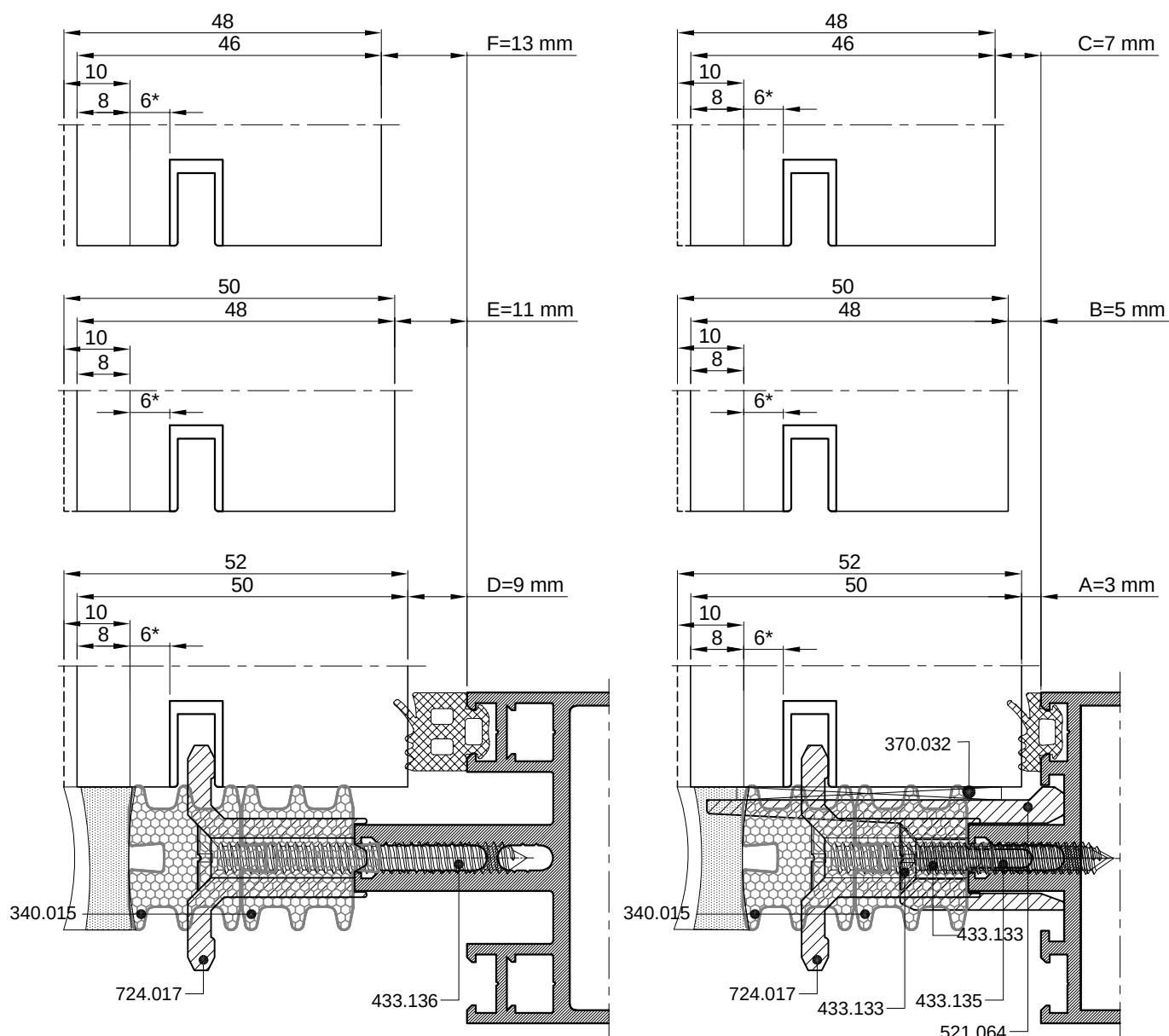


F-0779 (eloksaža S-10
ne starija od 6 mjeseci)
F-0779 (eloxated in S-10
no earlier than six months ago)

DEBLJINA STRUKTURALNOG KITA STAKLA min 6mm
STRUCTURAL SEALANT THICKNESS min 6mm

Okomica Mullion

Vodoravnica Transom

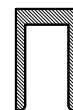
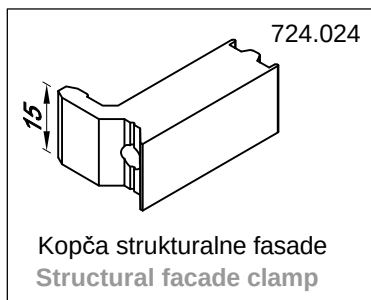
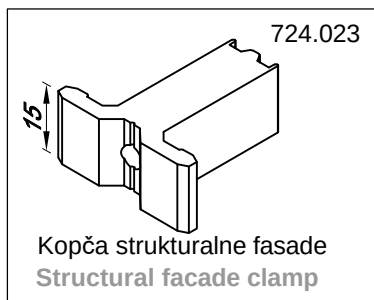
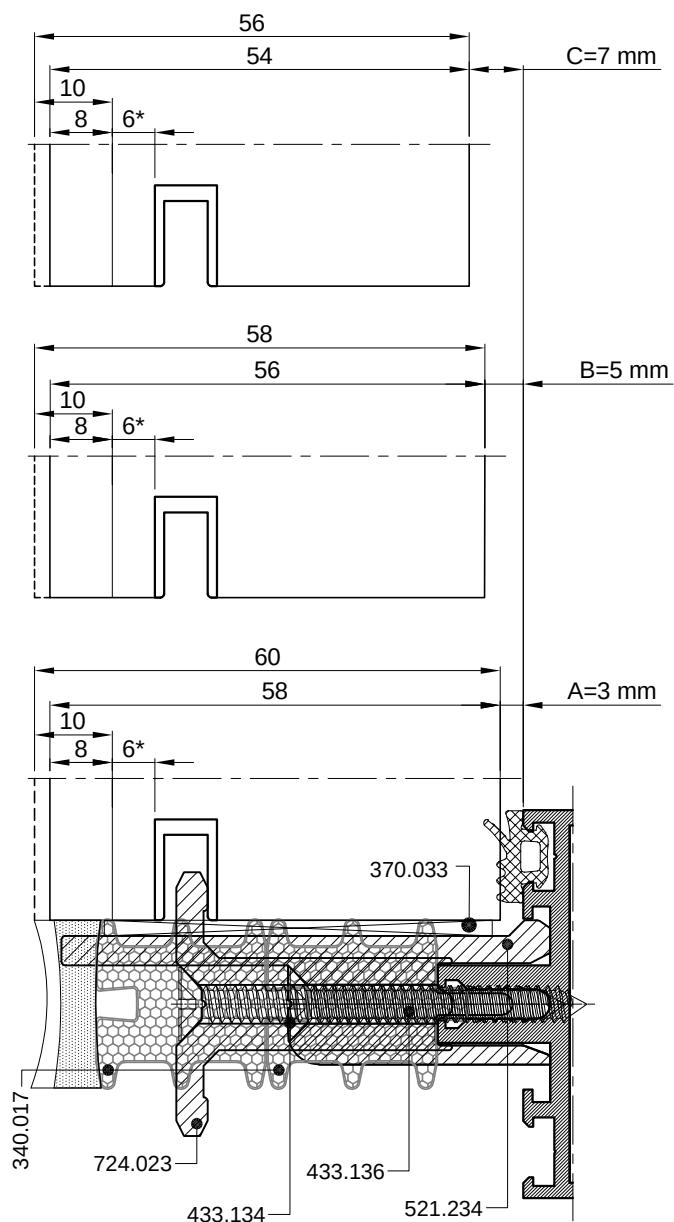
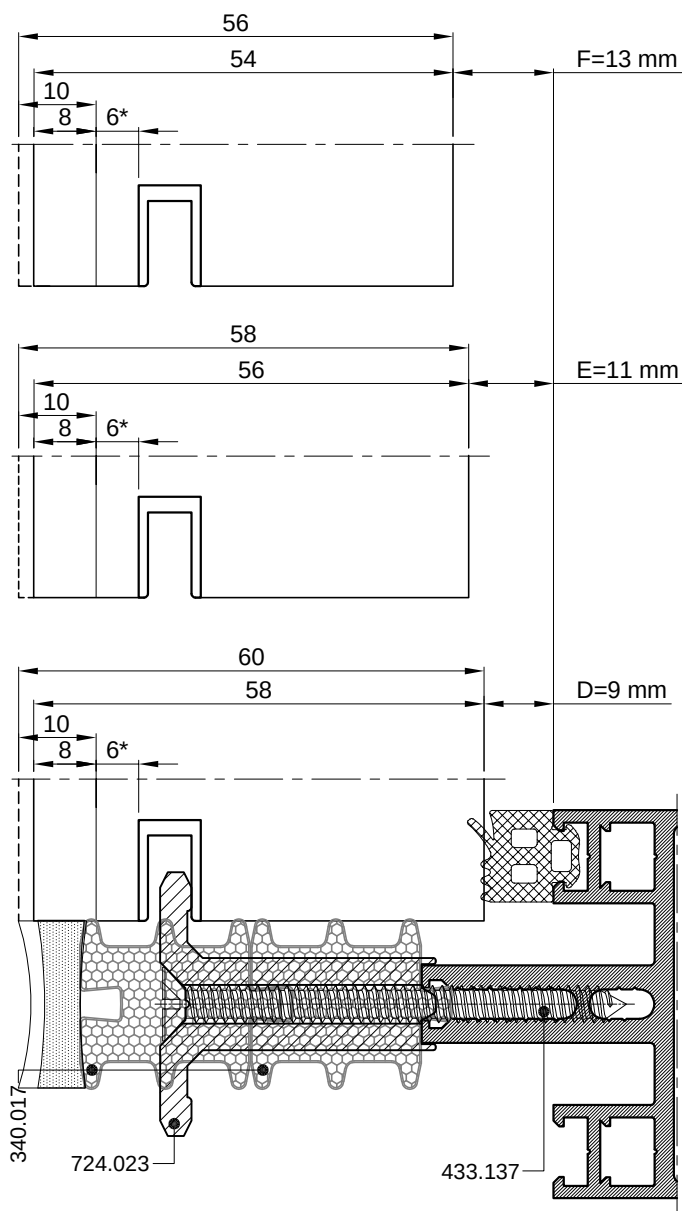


F-0779 (eloksaža S-10
ne starija od 6 mjeseci)
F-0779 (eloxated in S-10
no earlier than six months ago)

DEBLJINA STRUKTURALNOG KITA STAKLA min 6mm
STRUCTURAL SEALANT THICKNESS min 6mm

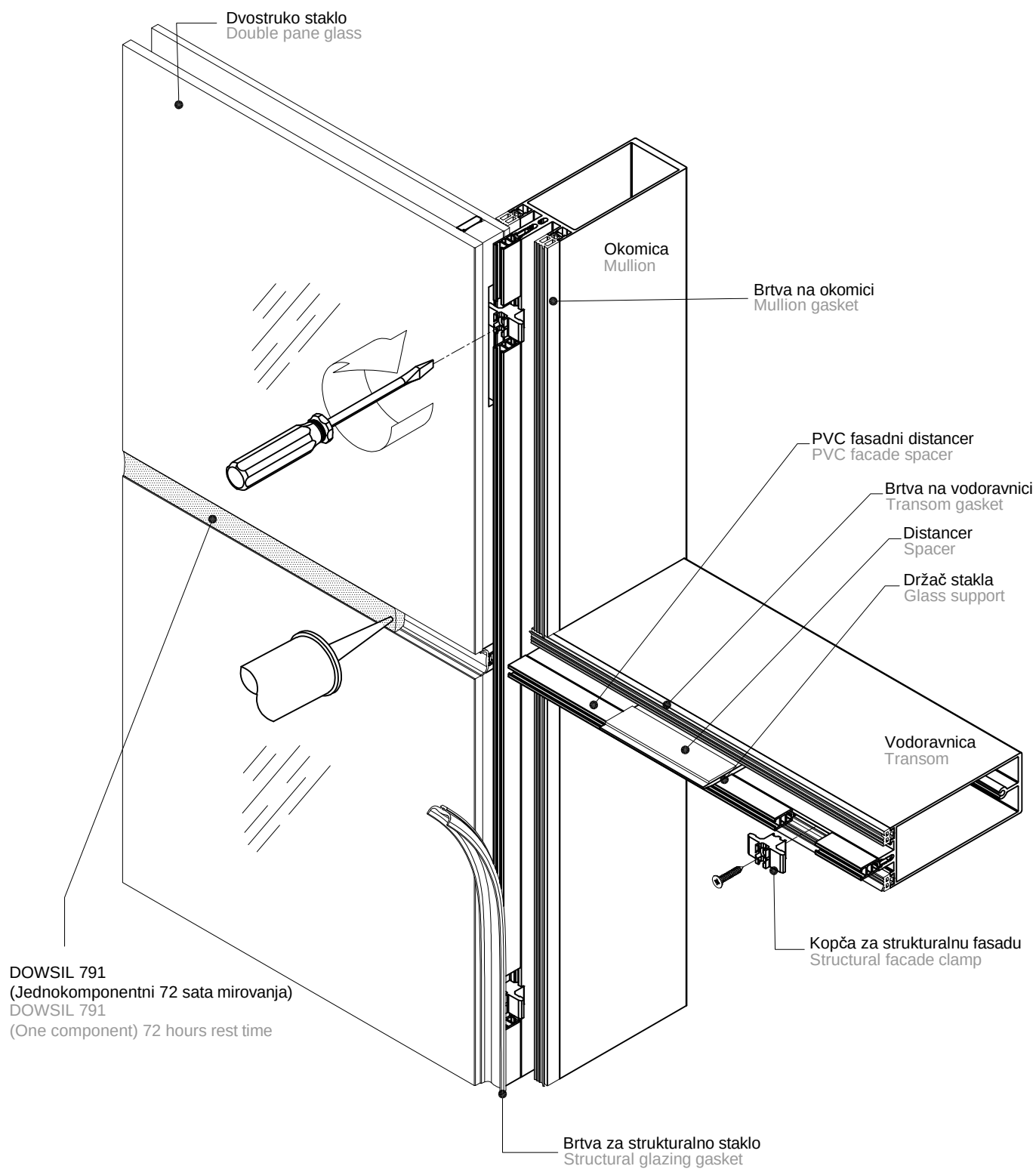
Okomica Mullion

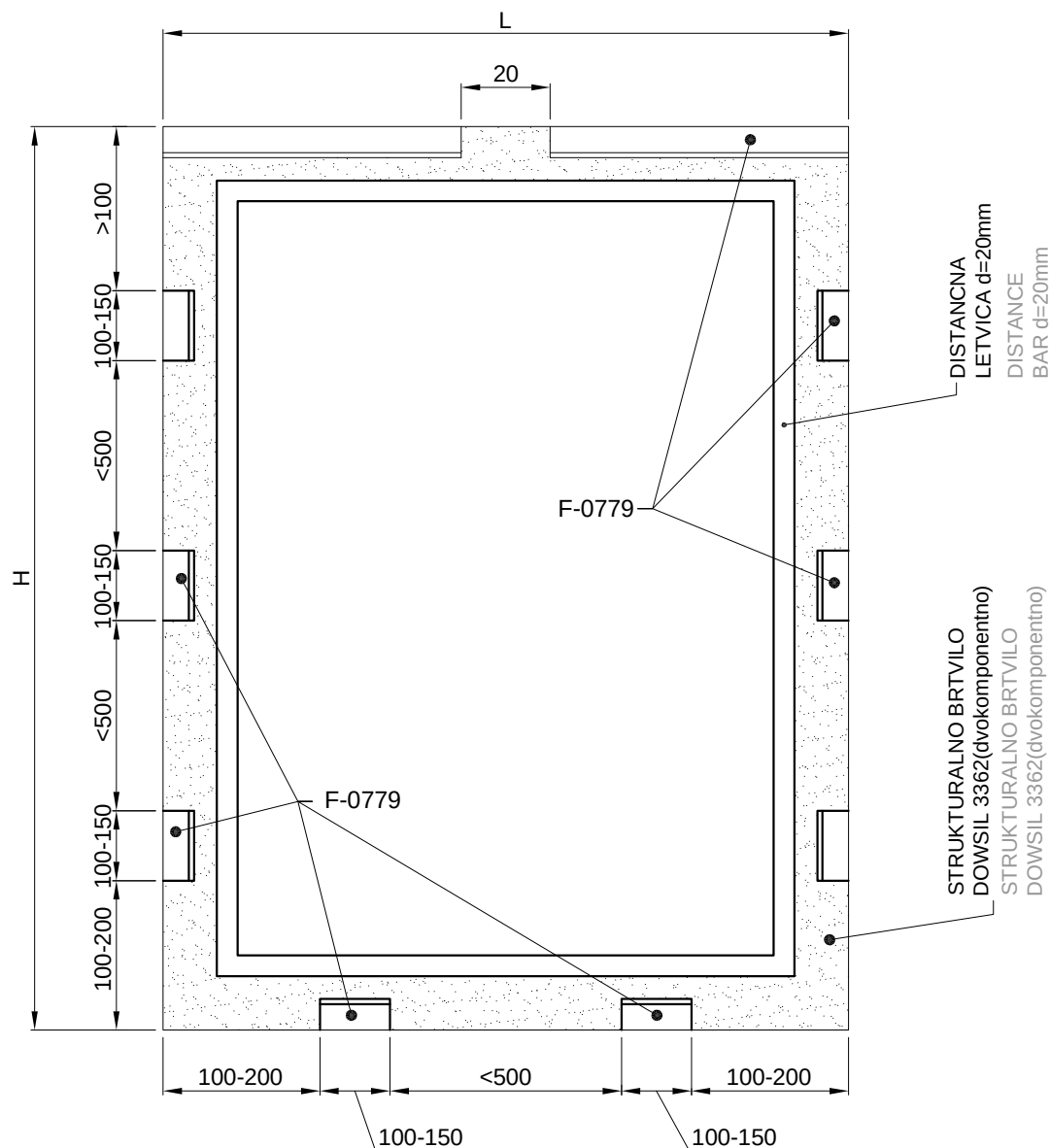
Vodoravnica Transom



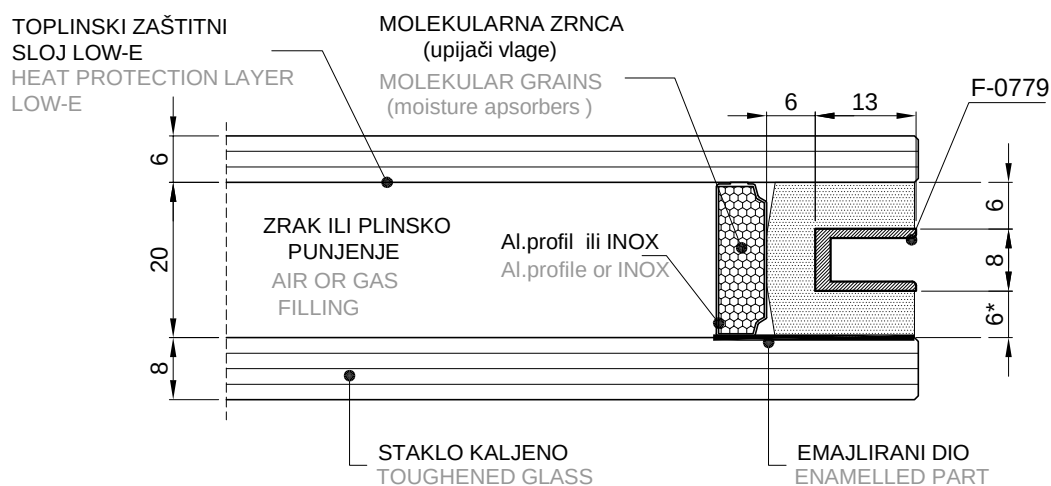
F-0779 (eloksaza S-10
ne starija od 6 mjeseci)
F-0779 (eloxated in S-10
no earlier than six months ago)

DEBLJINA STRUKTURALNOG KITA STAKLA min 6mm
STRUCTURAL SEALANT THICKNESS min 6mm

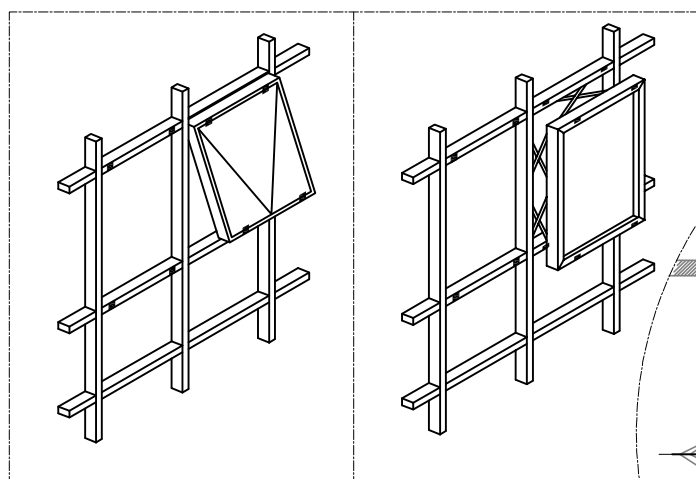
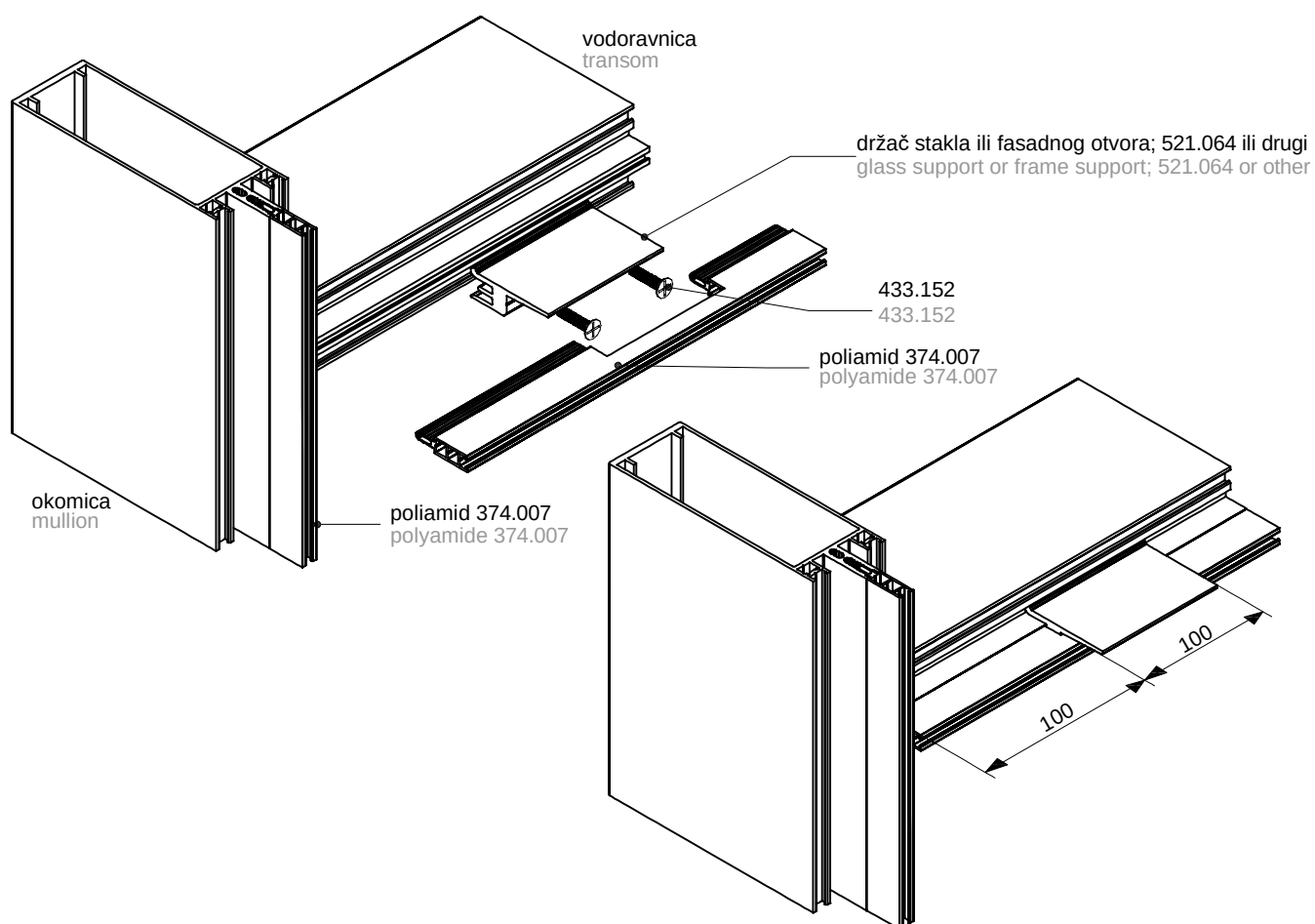




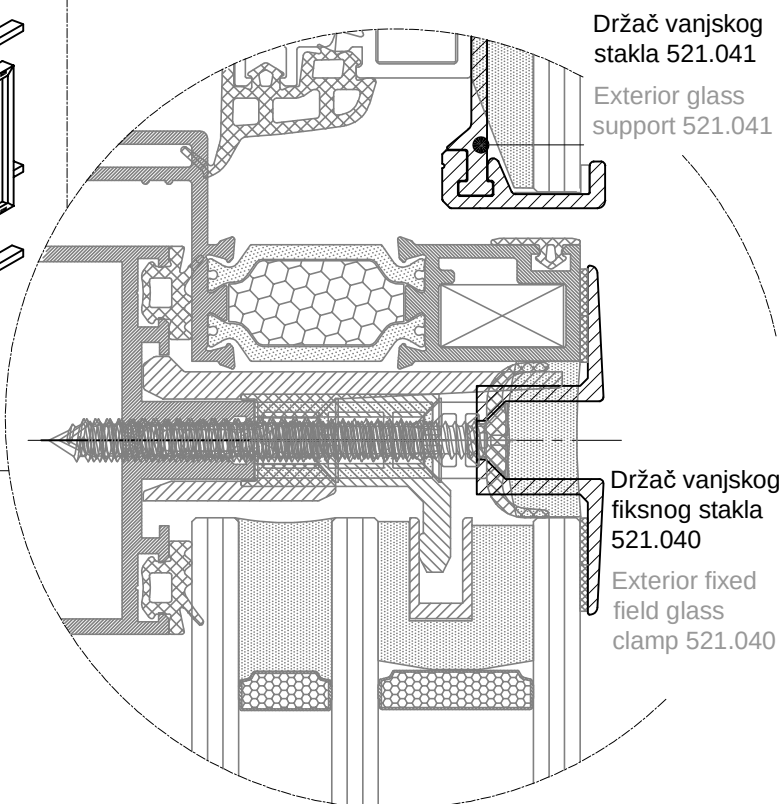
Primjer presjeka stakla za strukturalnu fasadu:
Example cross-section of structural facade glass:

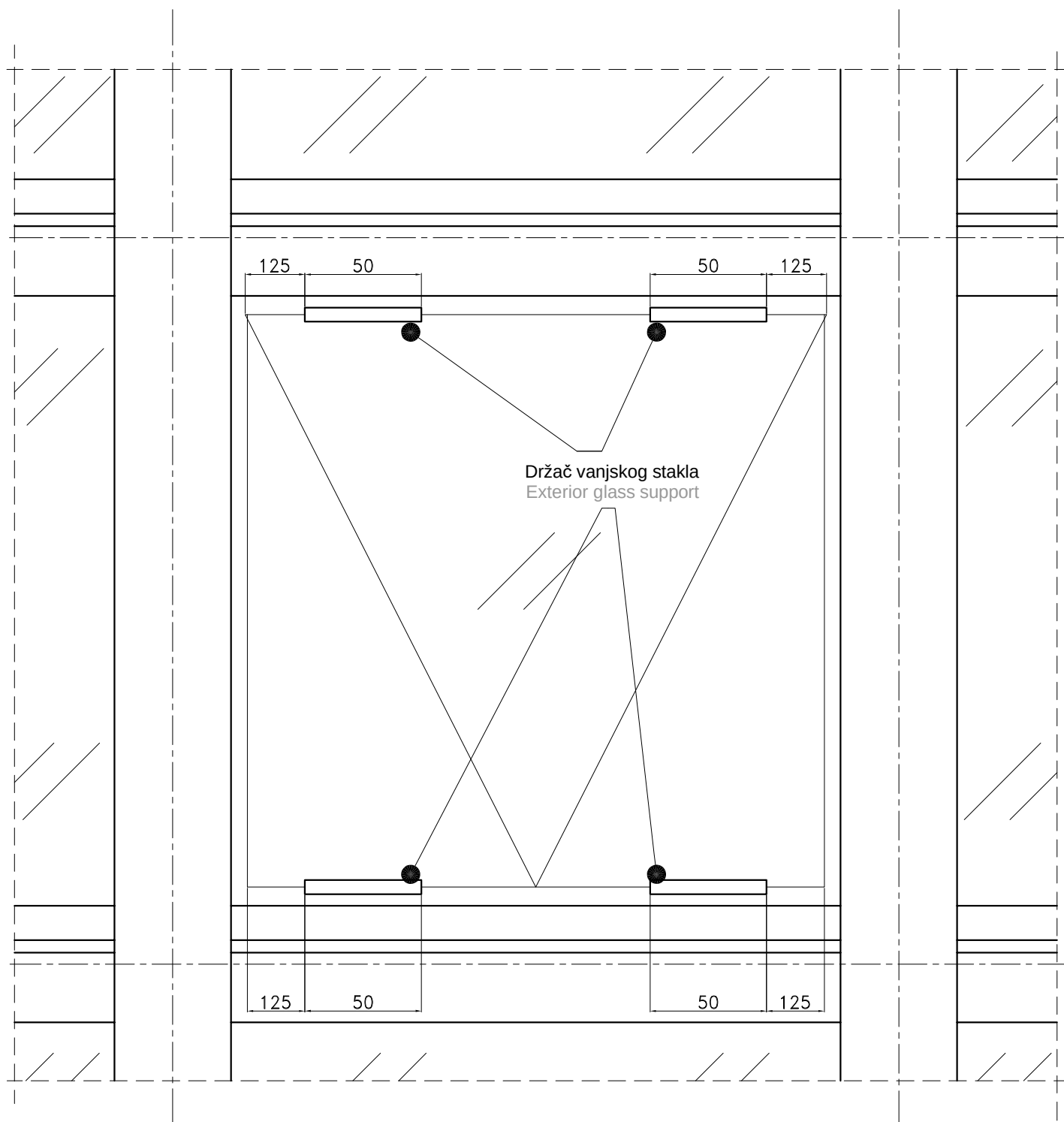


DEBLJINA STRUKTURALNOG KITA min 6mm *STRUCTURAL SEALANT THICKNESS min 6mm*

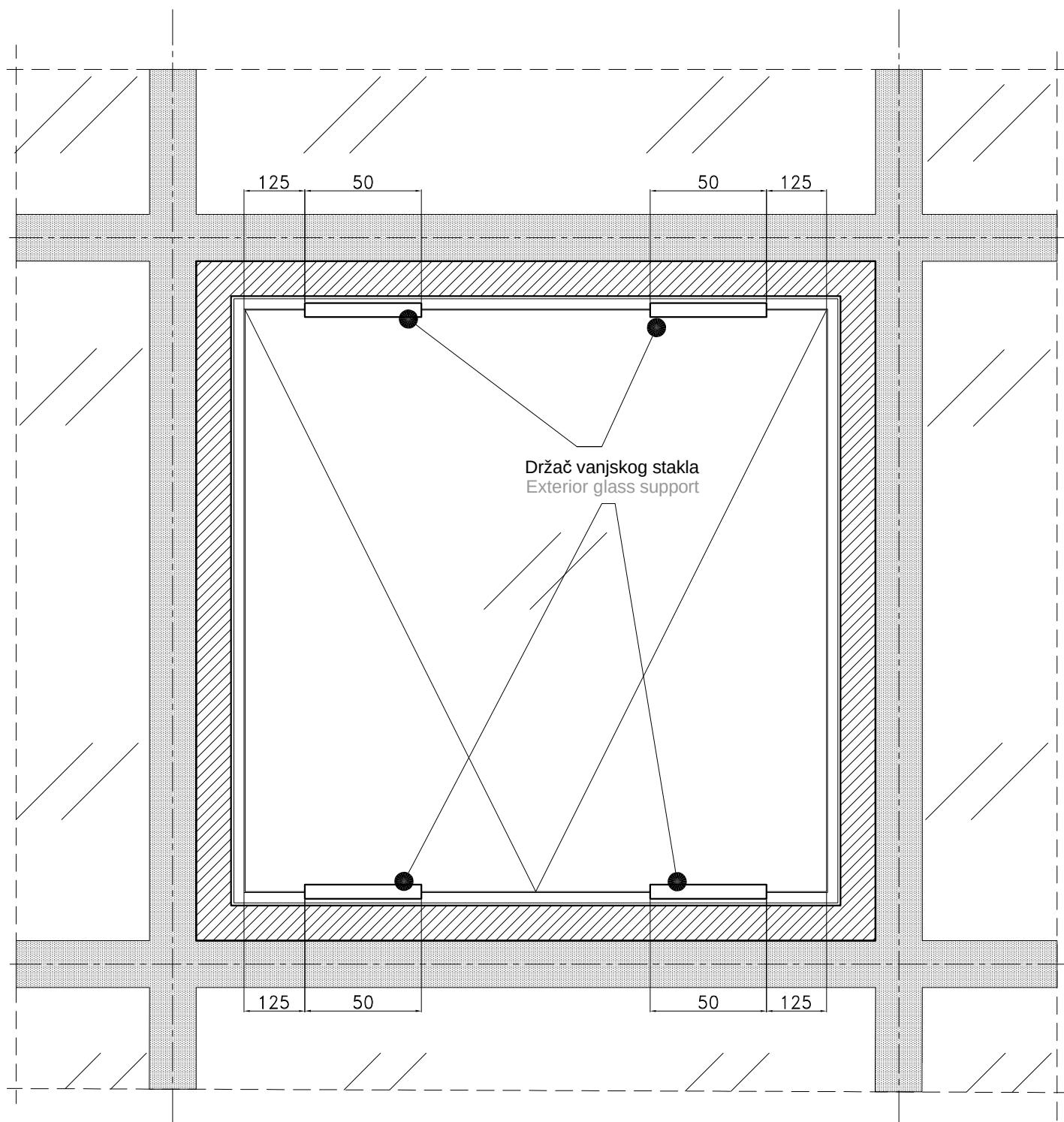


Osiguranje vanjskog stakla strukturalne fasade od ispadanja prema normi DIN EN 13022
Securing the exterior glass of stick facade from fallout according to the norm DIN EN 13022



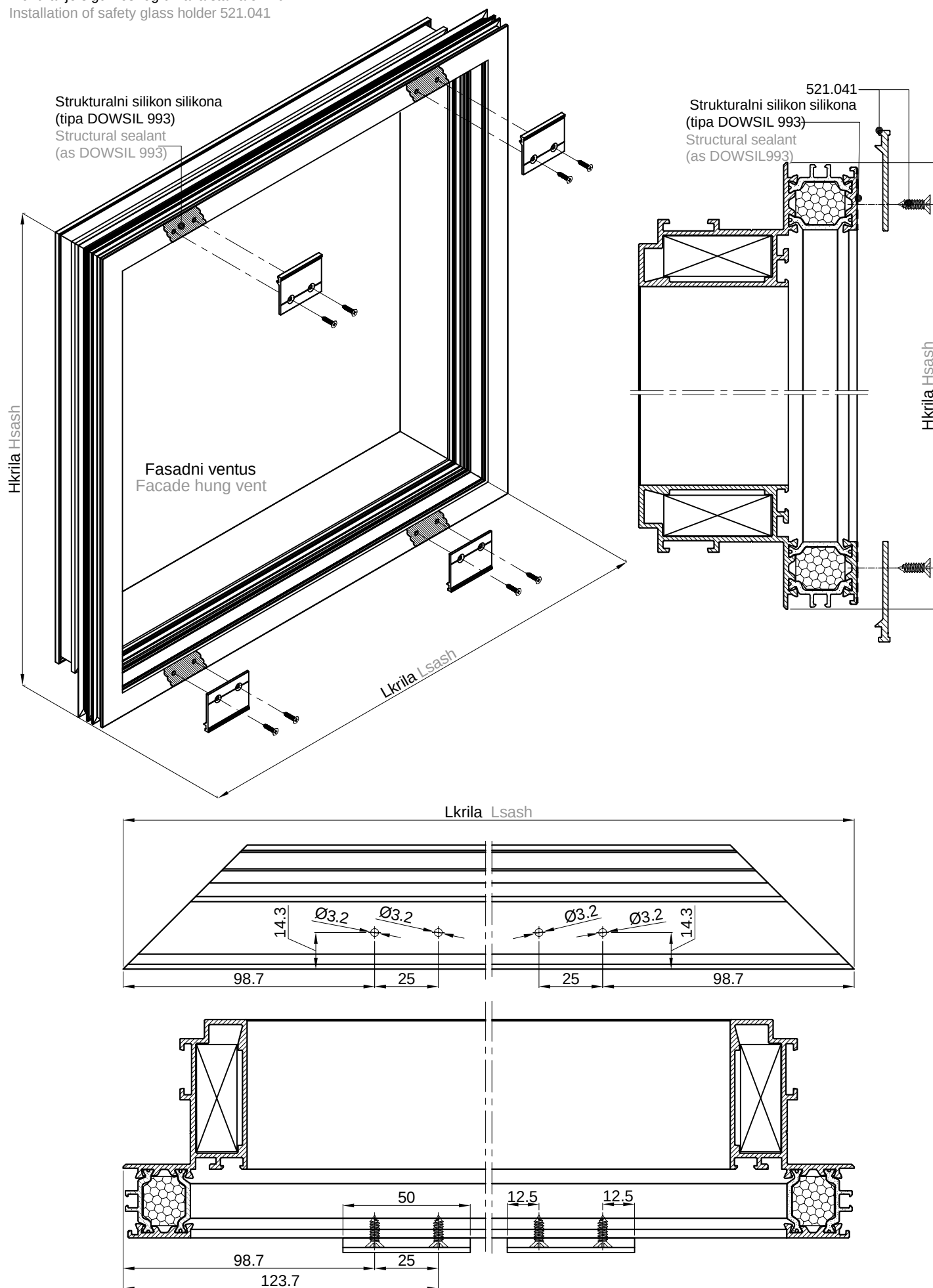


Držač vanjskog stakla Exterior glass support	Profil fasadnog krila Facade sash profile
521.007, 521.023	FT-0157
521.041	FT-0162, FT-0164, FT-0170, FT-0186

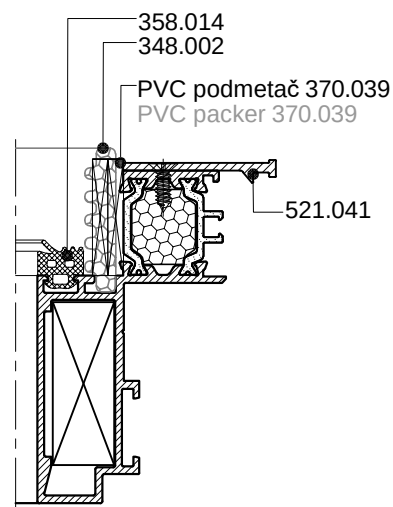
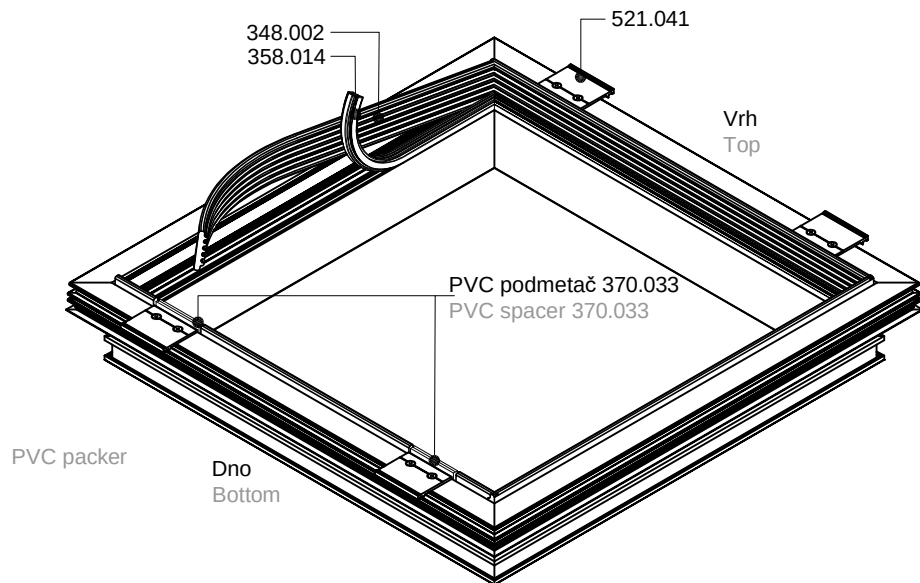


Držač vanjskog stakla Exterior glass support	Profil fasadnog krila Facade sash profile
521.007, 521.023	FT-0157
521.041	FT-0162, FT-0164, FT-0170, FT-0186

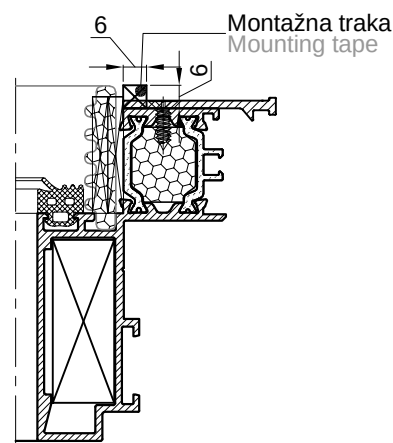
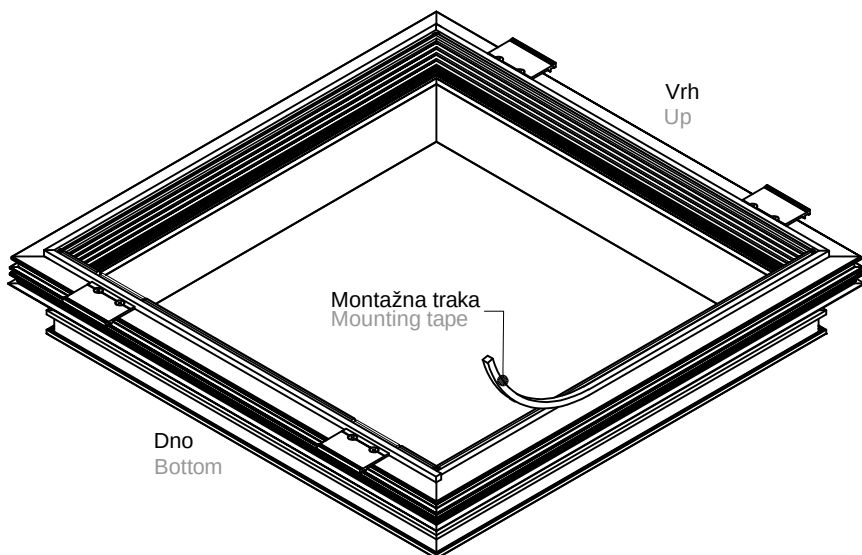
Montiranje sigurnosnog držača stakla 521.041
Installation of safety glass holder 521.041



Montiranje izolacijske ispune 348.002, unutranje brtve 358.014 i PVC podmetača
Installation of insulation 348.002, interior gasket 358.014 and PVC spacer

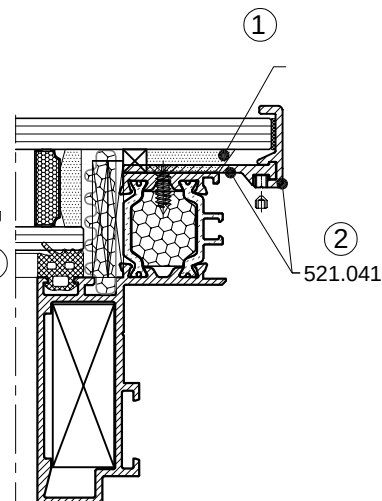
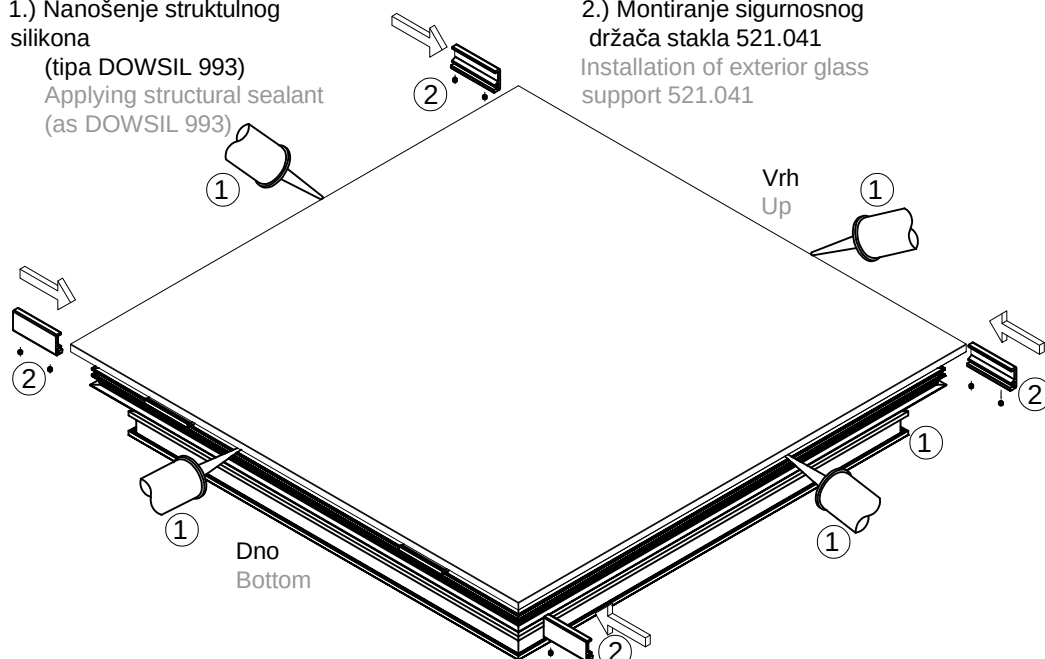


Postavljanje montažne trake (6 x 6 mm)
Positioning of installation tape (6 x 6 mm)

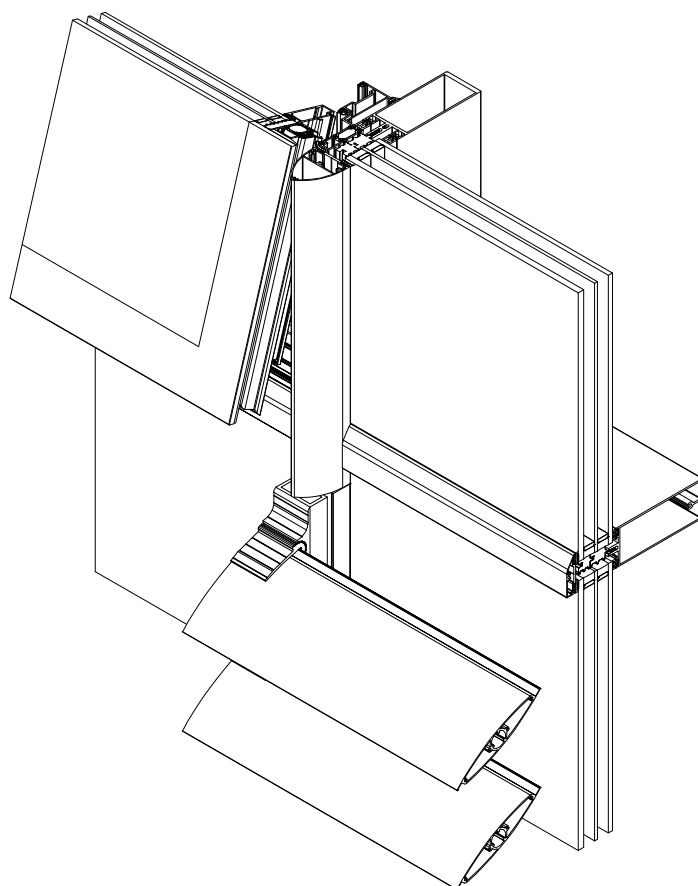
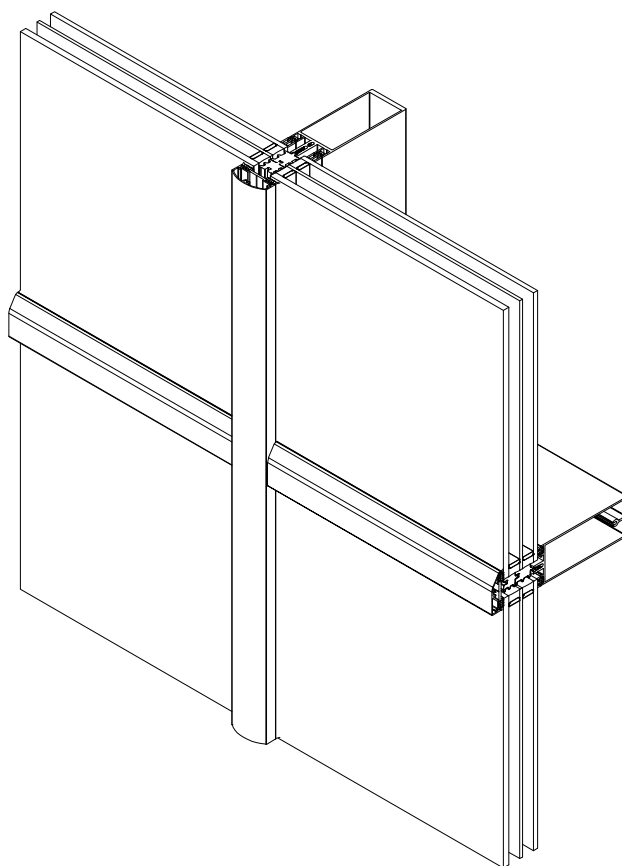


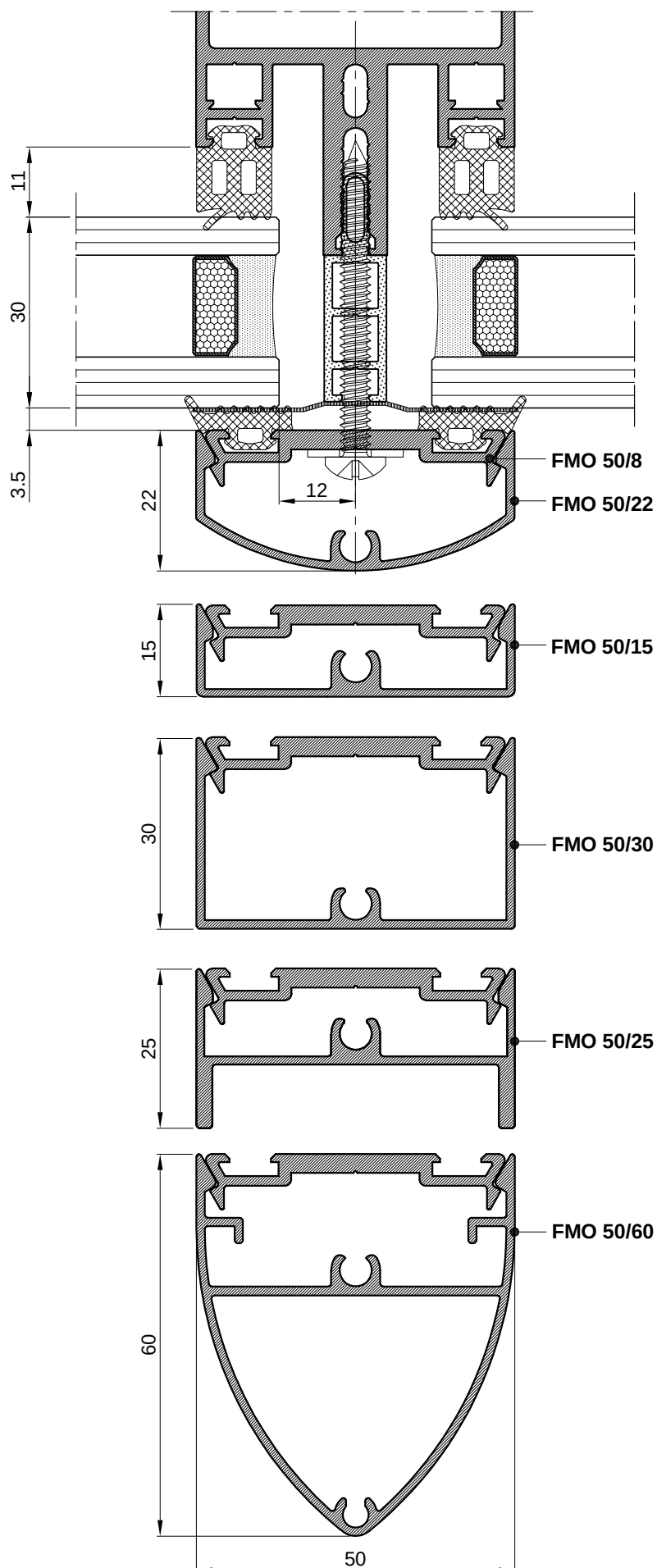
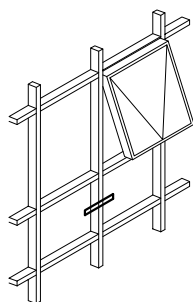
1.) Nanošenje strukturnog silikona
(tipa DOWSIL 993)
Applying structural sealant
(as DOWSIL 993)

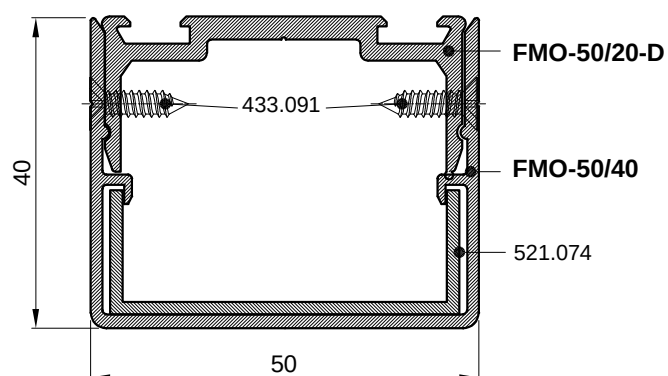
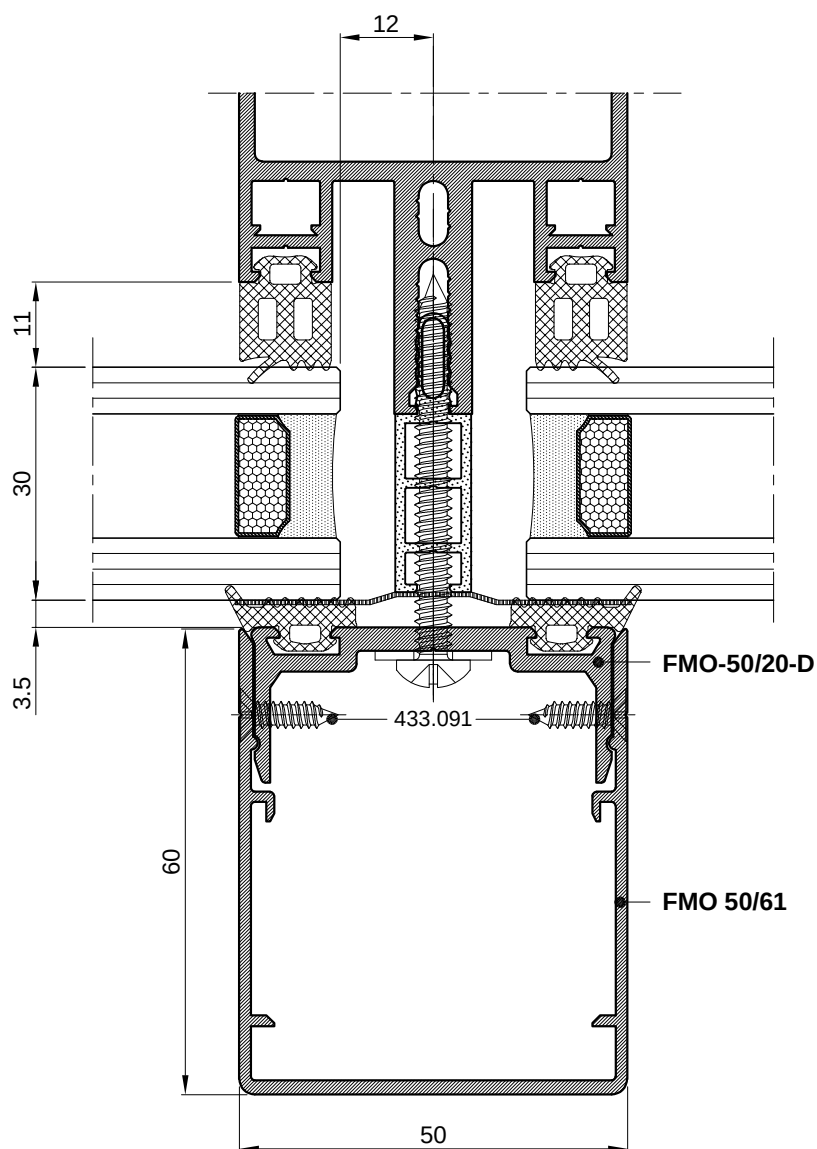
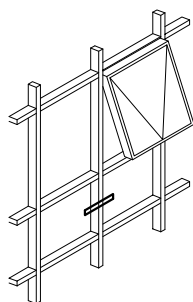
2.) Montiranje sigurnosnog držača stakla 521.041
Installation of exterior glass support 521.041

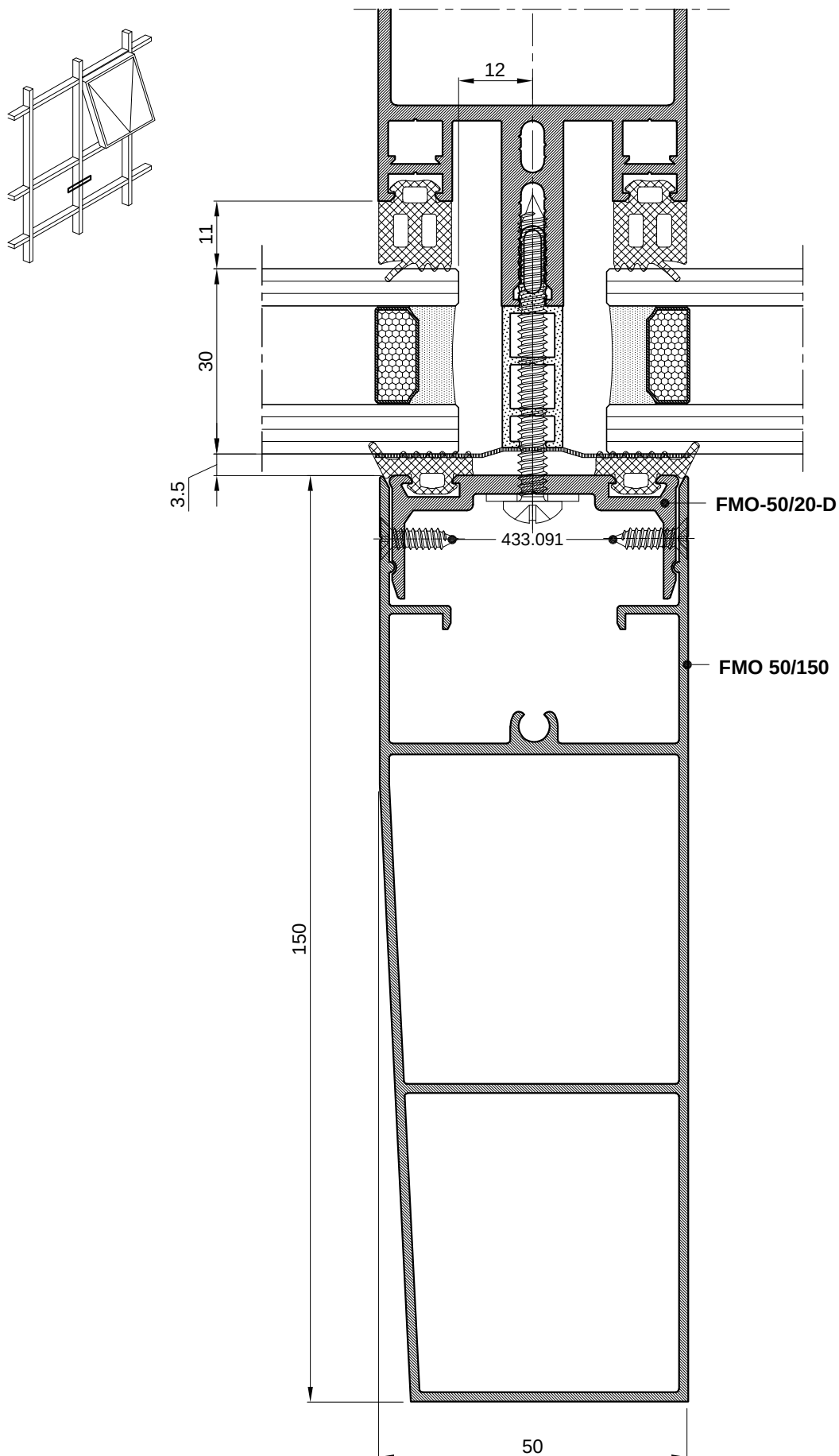


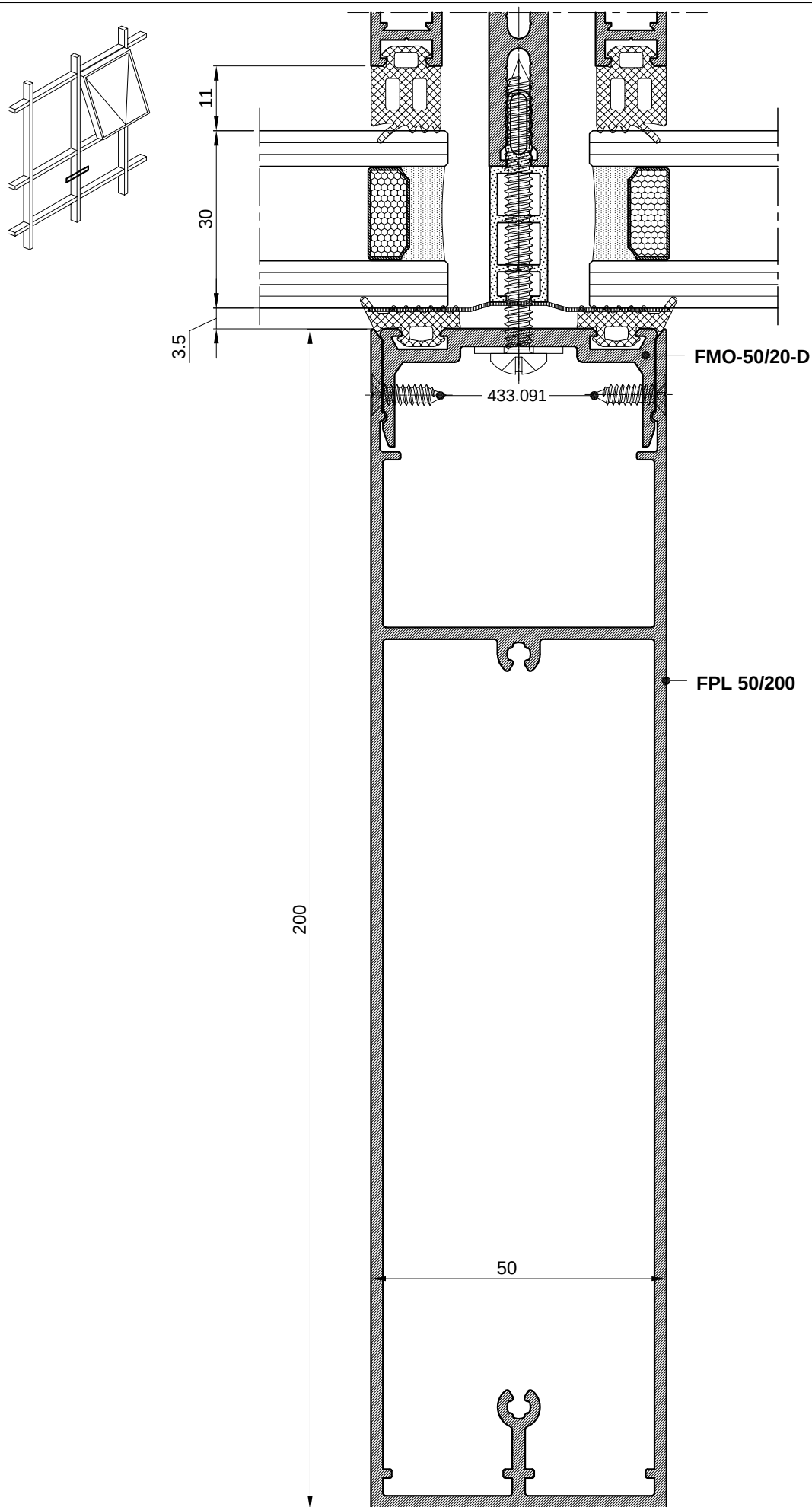
Presjeci Cross sections

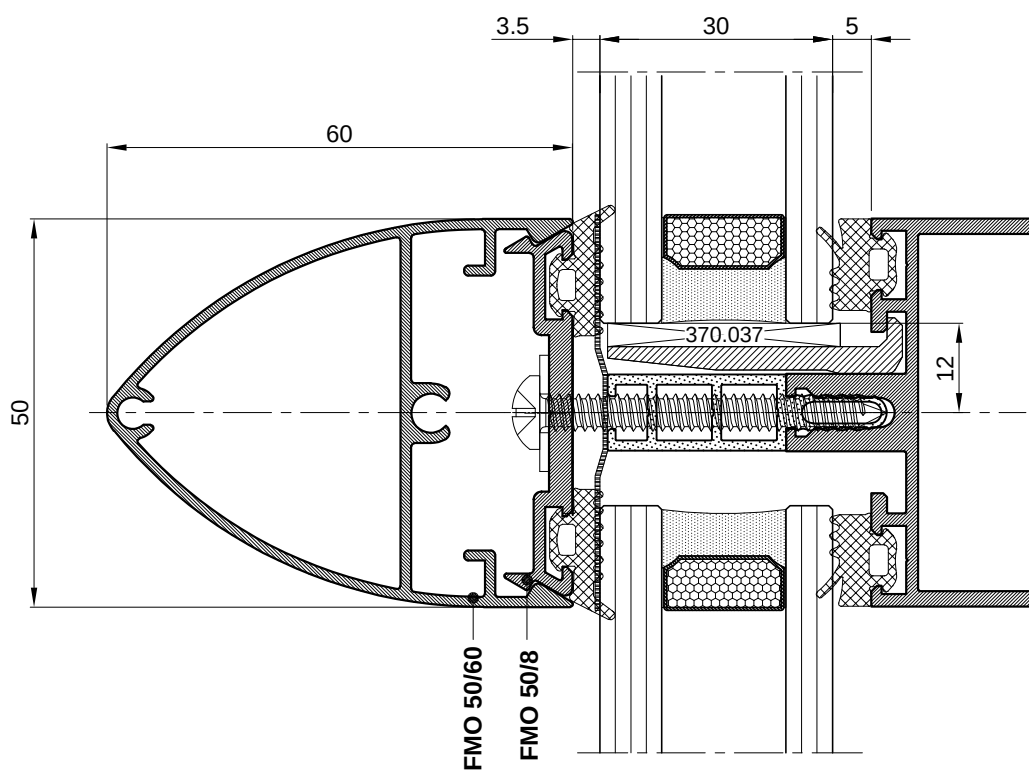
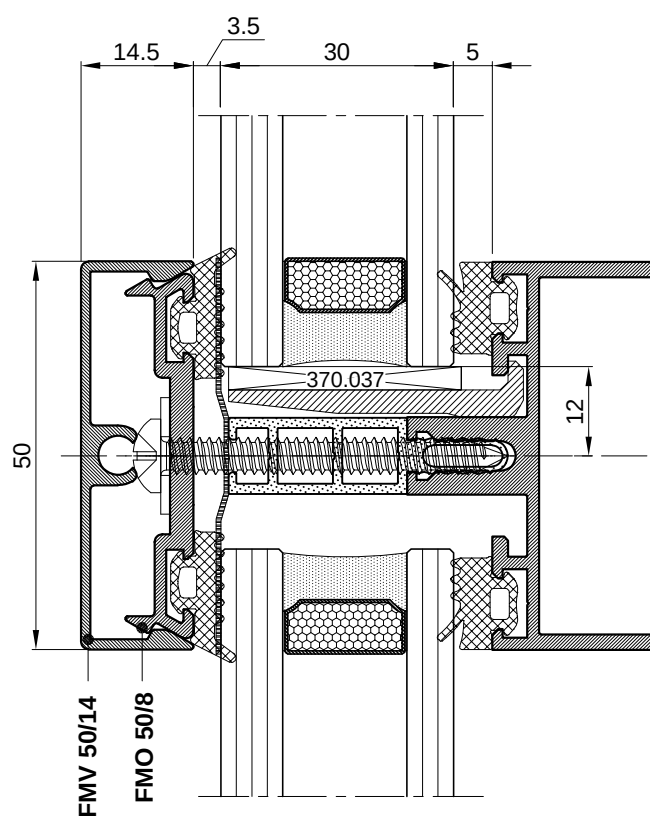
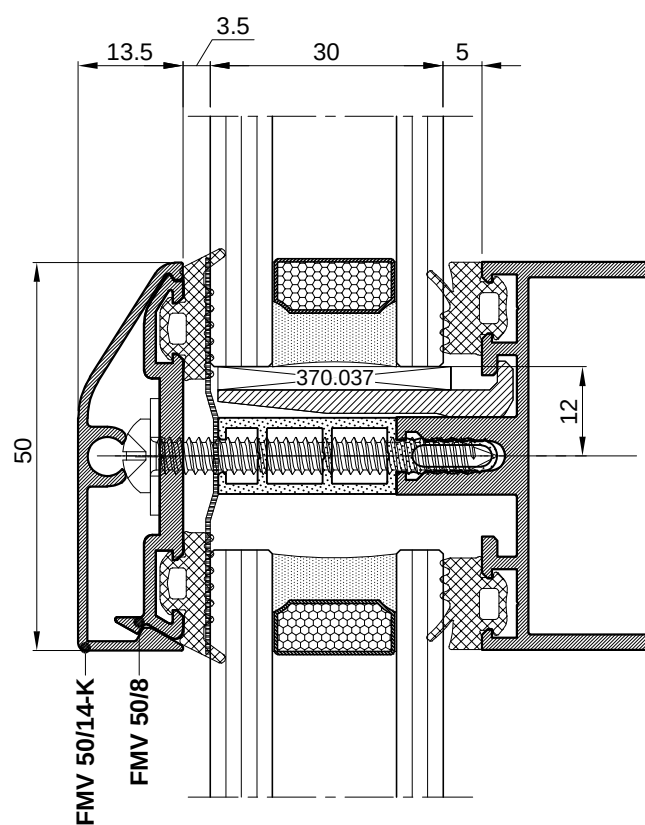
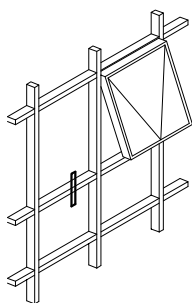


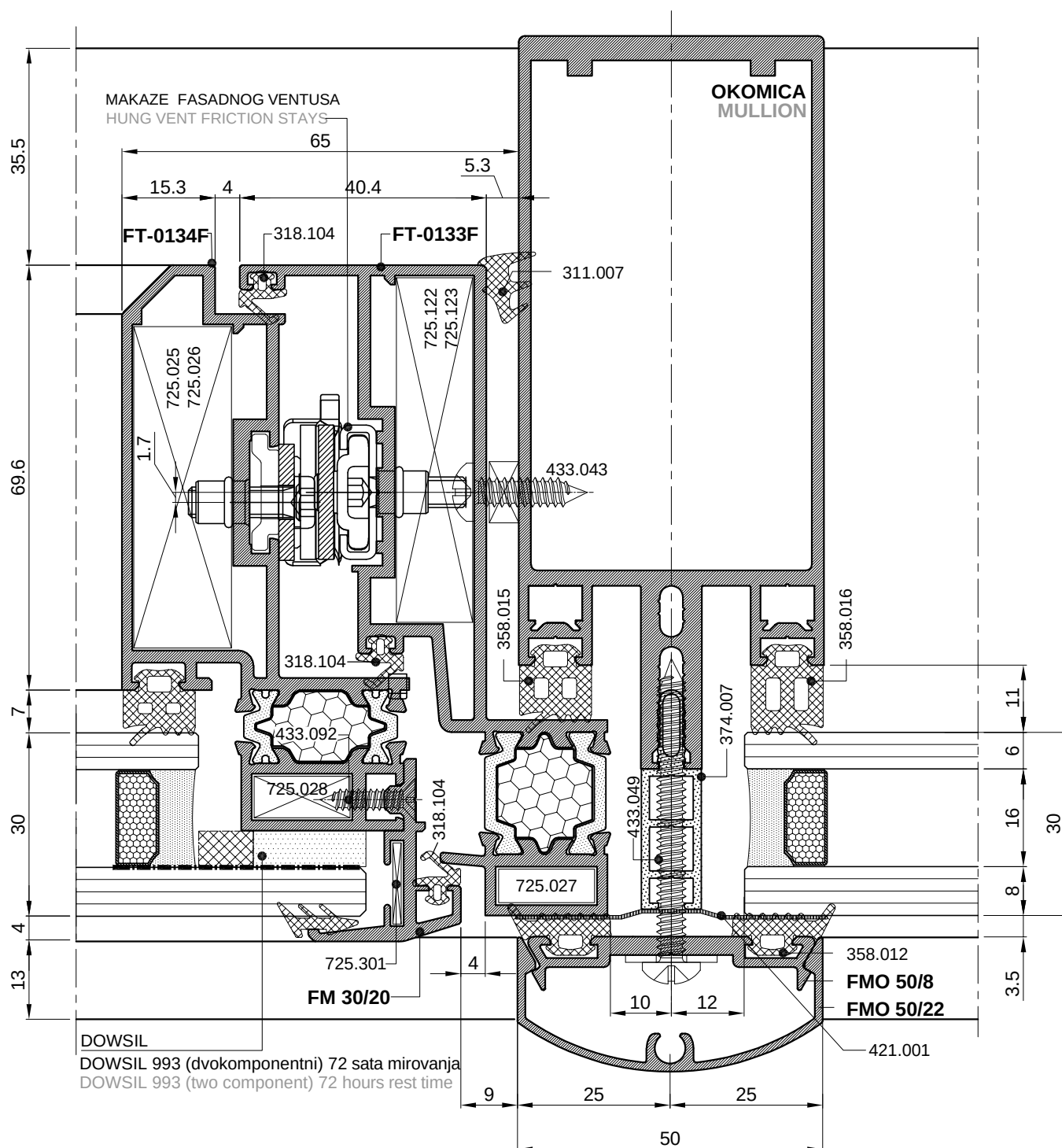
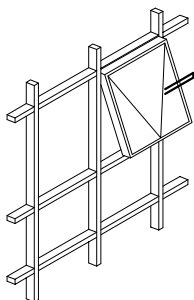


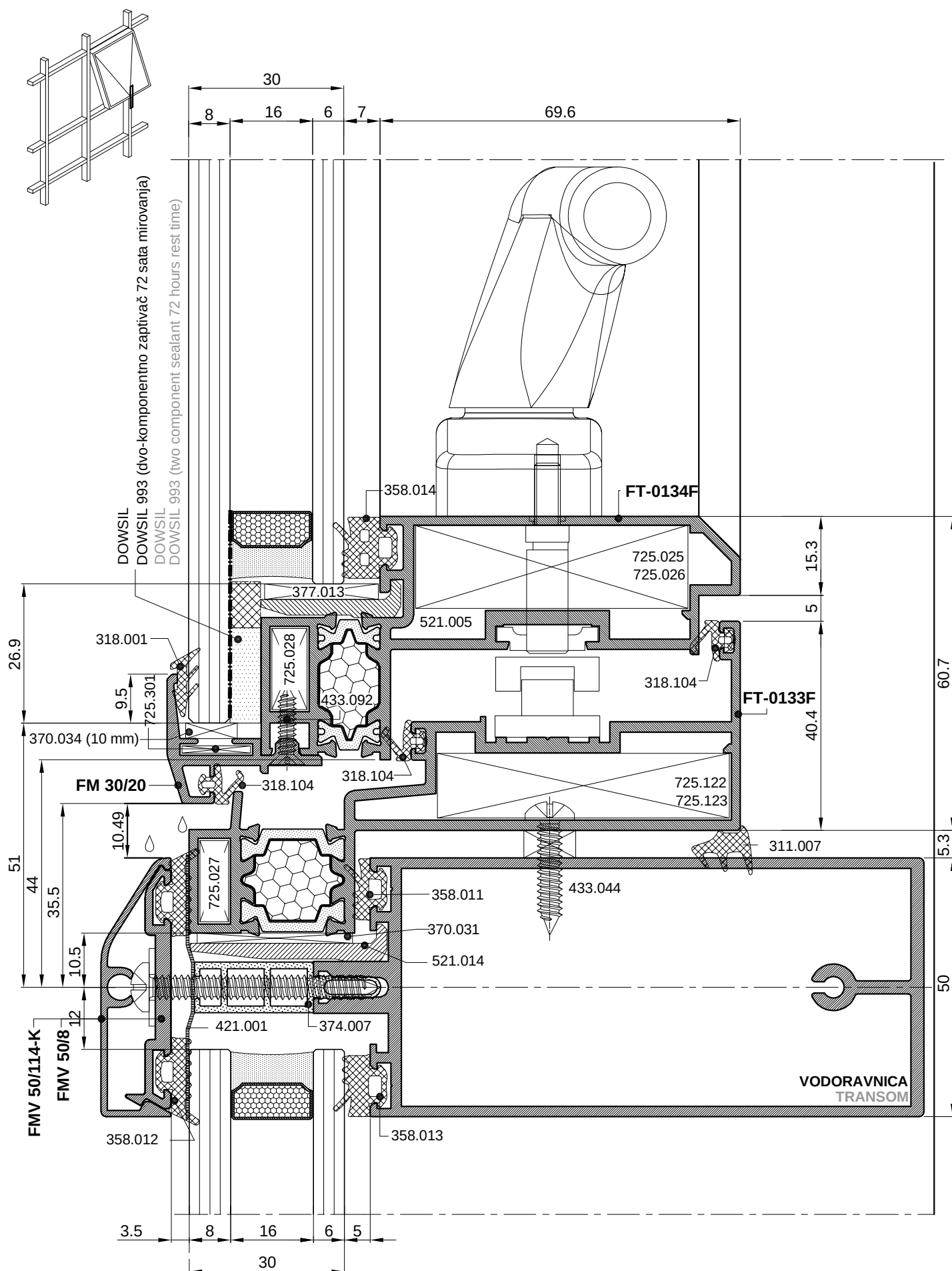


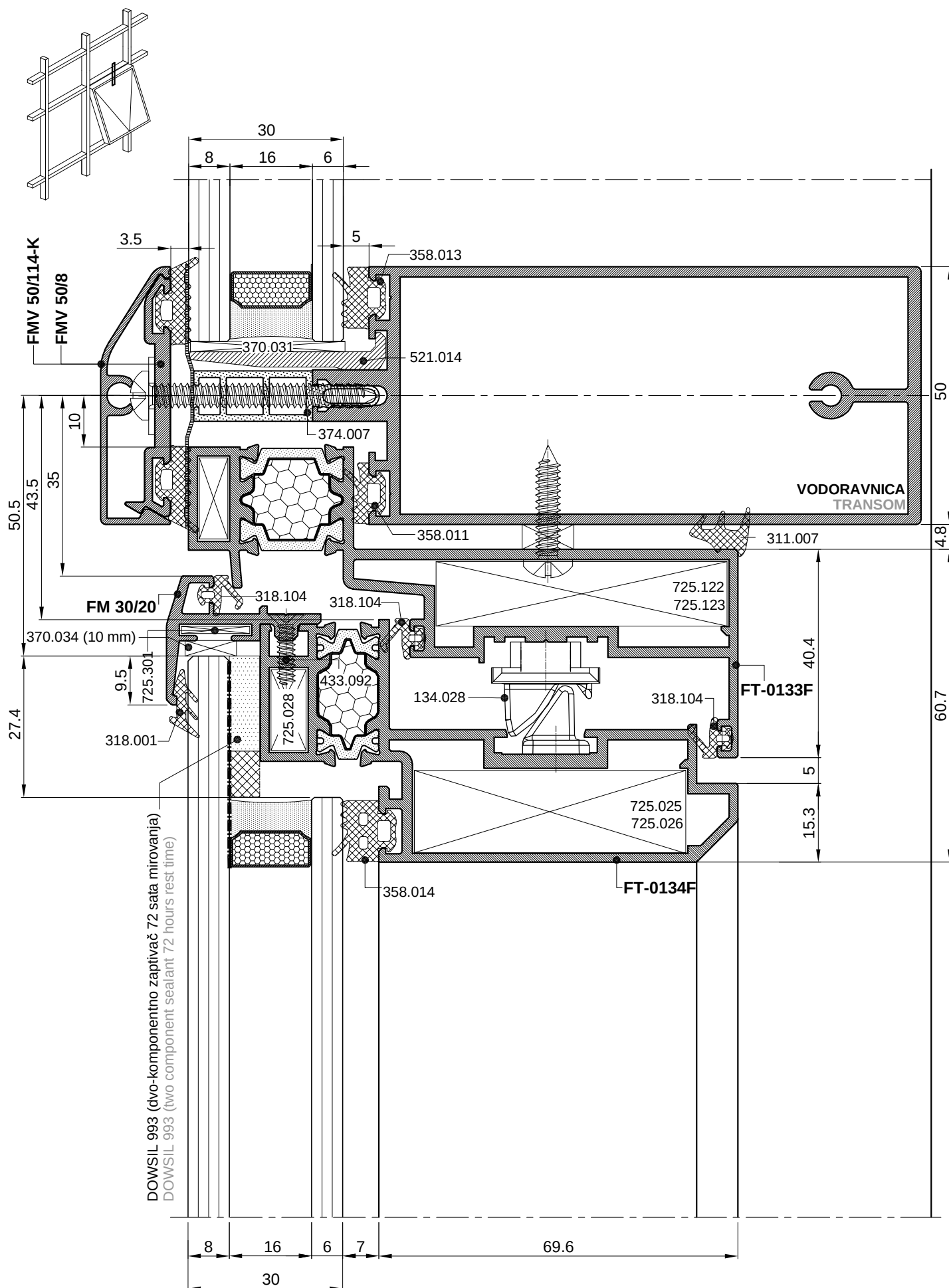


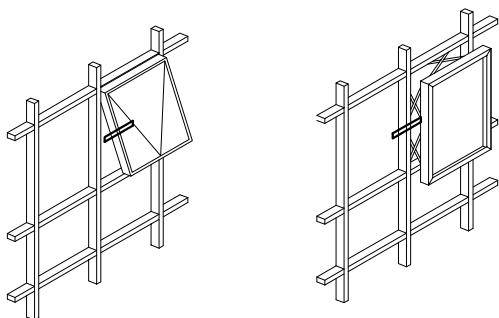




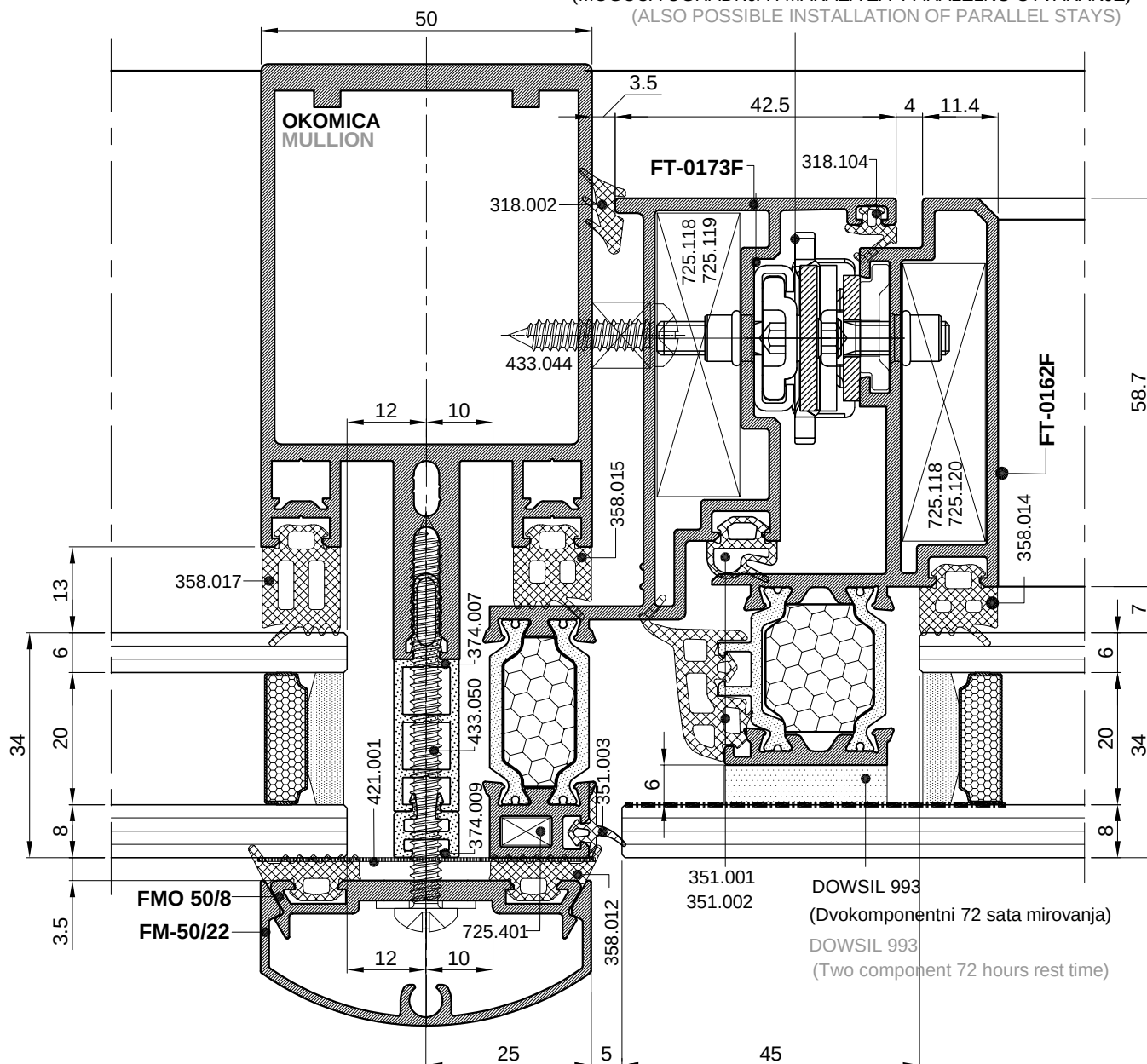




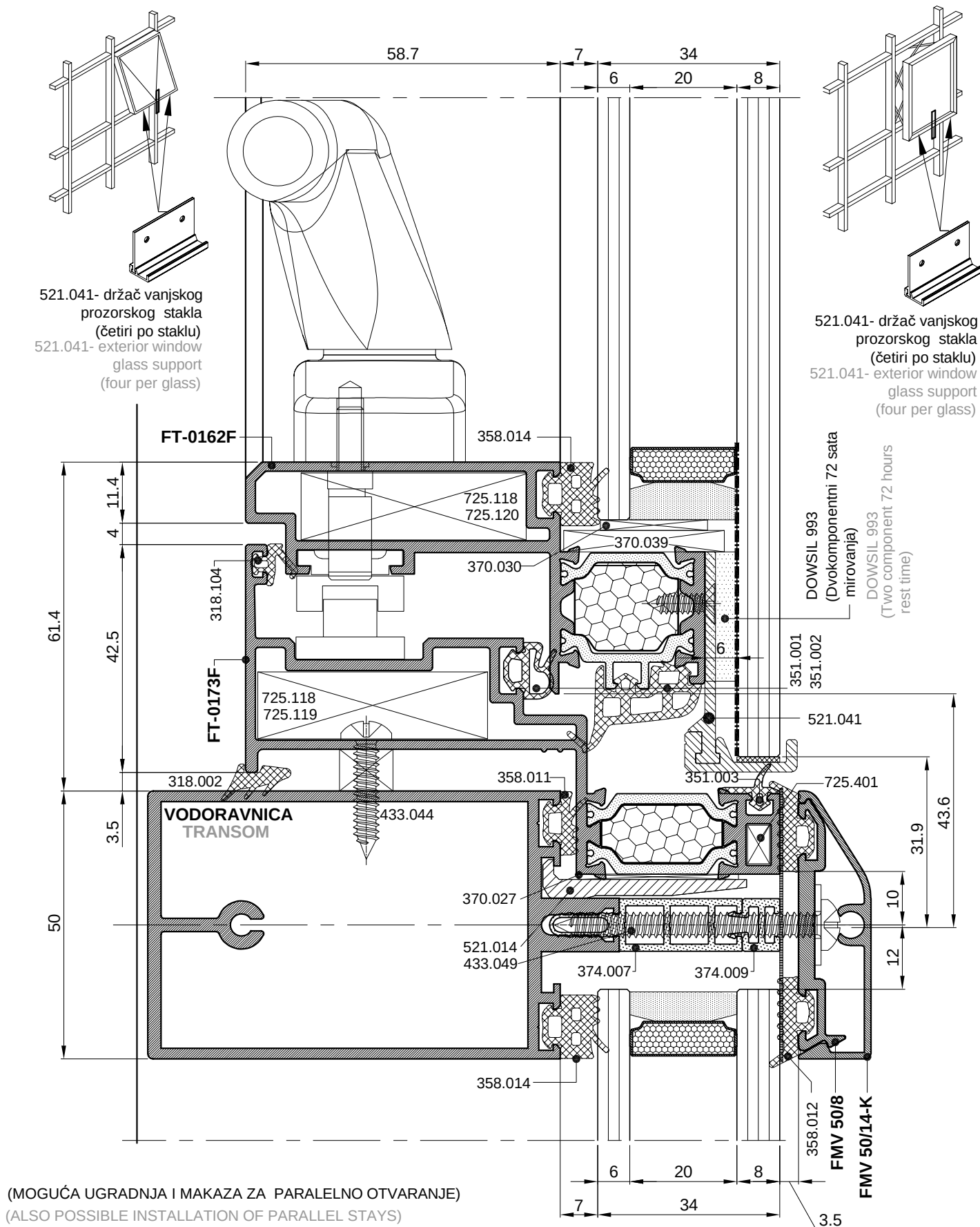




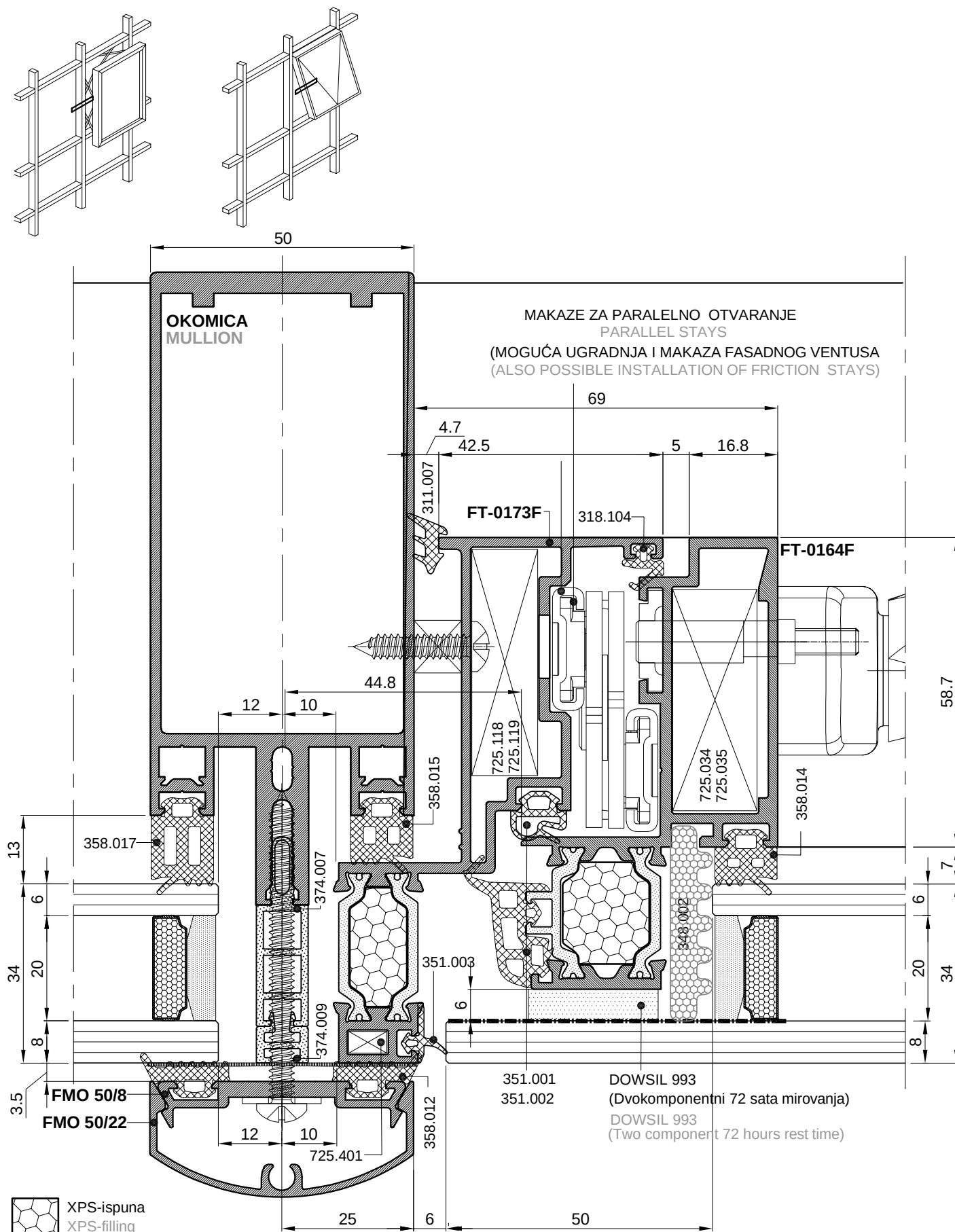
MAKAZE FASADNOG VENTUSA
HUNG VENT FRICTION STAYS
(MOGUĆA UGRADNJA I MAKAZA ZA PARALELNO OTVARANJE)
(ALSO POSSIBLE INSTALLATION OF PARALLEL STAYS)



**VANJSKA STRANA PROFILA FT-0162 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI
 **EXTERIOR SIDE OF PROFILE FT-0162 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS
 AGO
 DEBLJINA STRUKTURALNOG KITA min 6mm
 STRUCTURAL SEALANT THICKNESS min 6mm



- **VANJSKA STRANA PROFILA FT-0162 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI
- **EXTERIOR SIDE OF PROFILE FT-0162 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO
- *DEBLJINA STRUKTURALNOG KITA min 6mm*
- *STRUCTURAL SEALANT THICKNESS min 6mm*

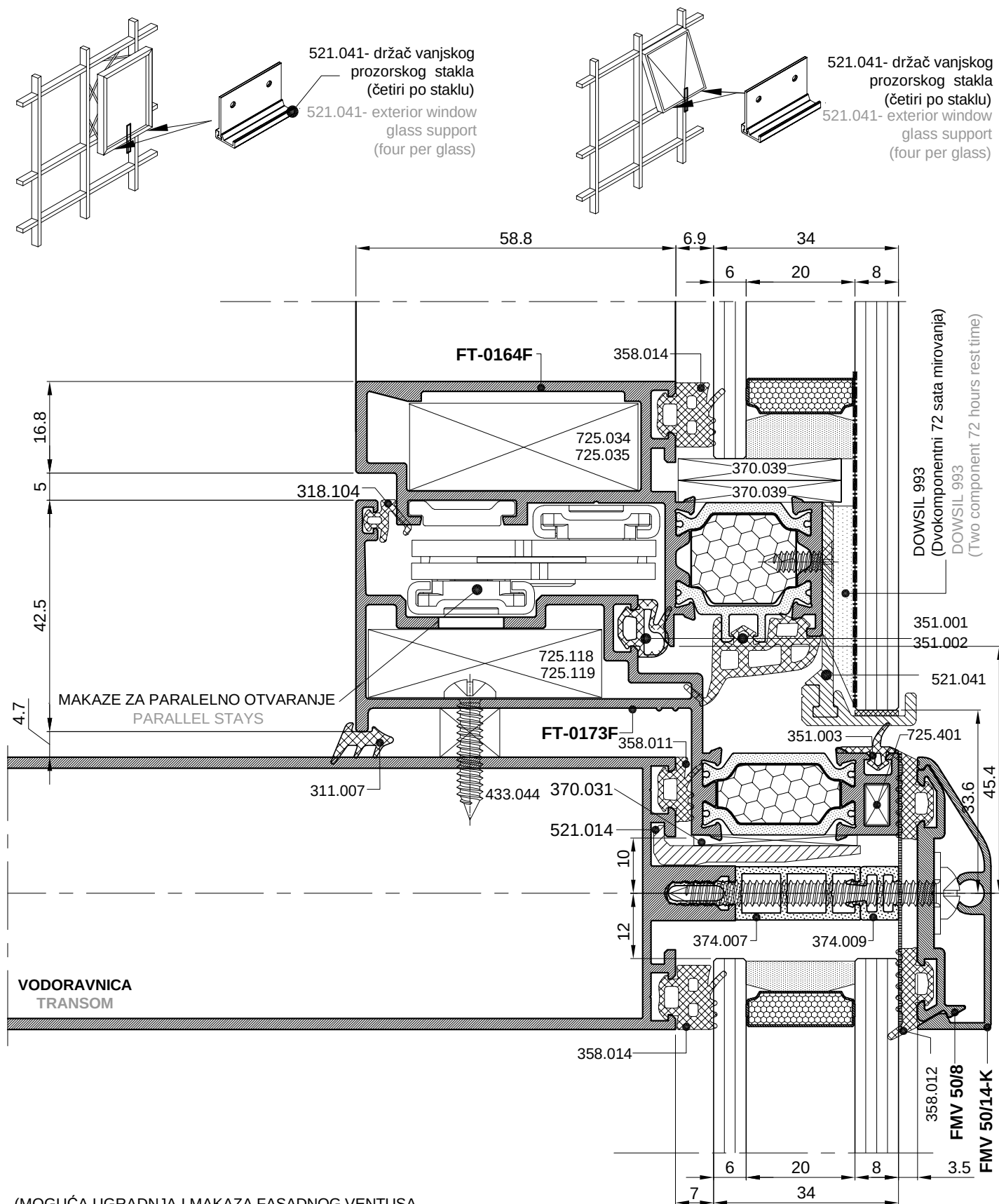


****VANJSKA STRANA PROFILA FT-0164 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI**

****EXTERIOR SIDE OF PROFILE FT-0164 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO**

DEBLJINA STRUKTURALNOG KITA min 6mm

STRUCTURAL SEALANT THICKNESS min 6mm



(MOGUĆA UGRADNJA I MAKAZA FASADNOG VENTUSA
(ALSO POSSIBLE INSTALLATION OF FRICTION STAYS))



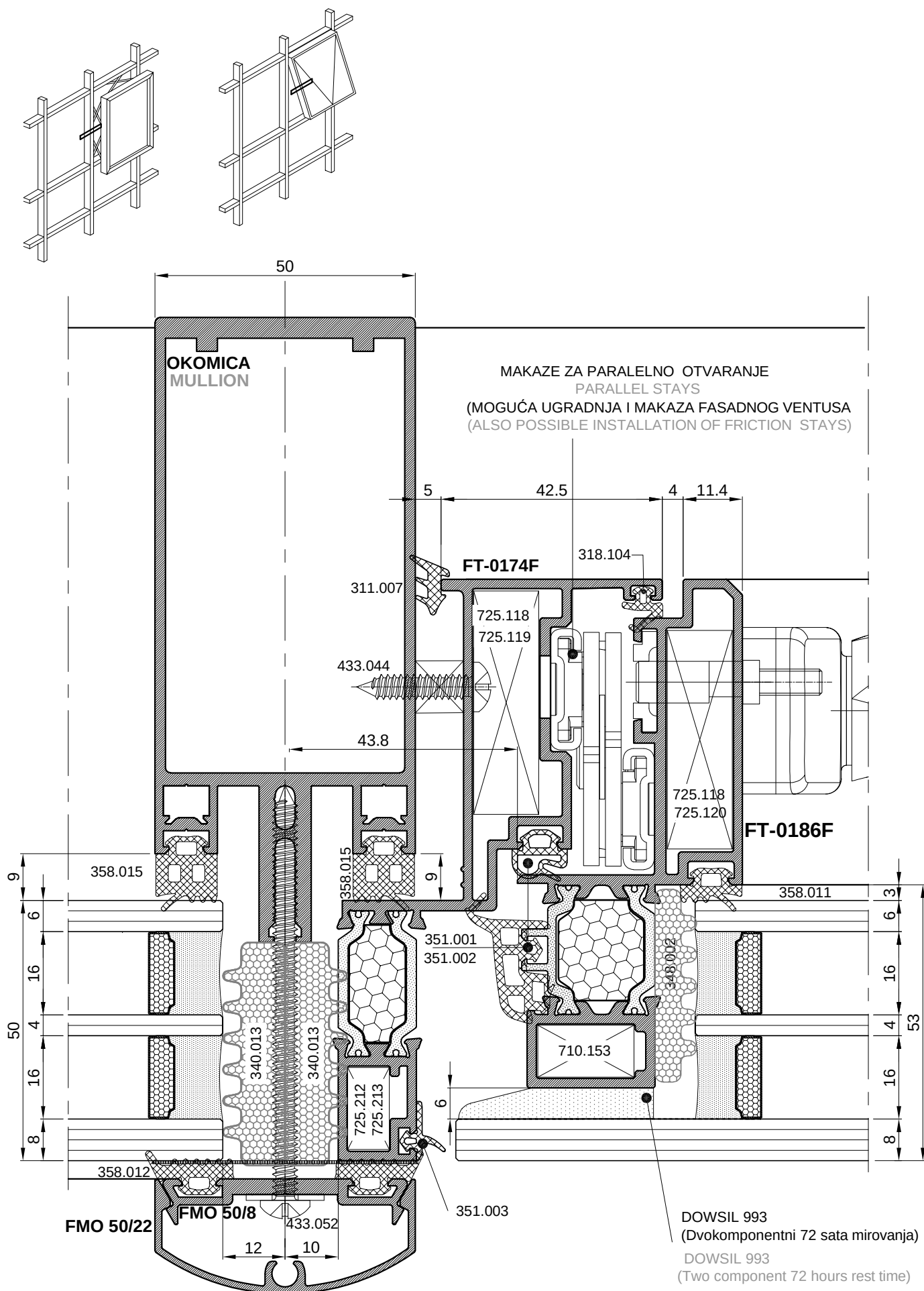
XPS-ispuna
XPS-filling

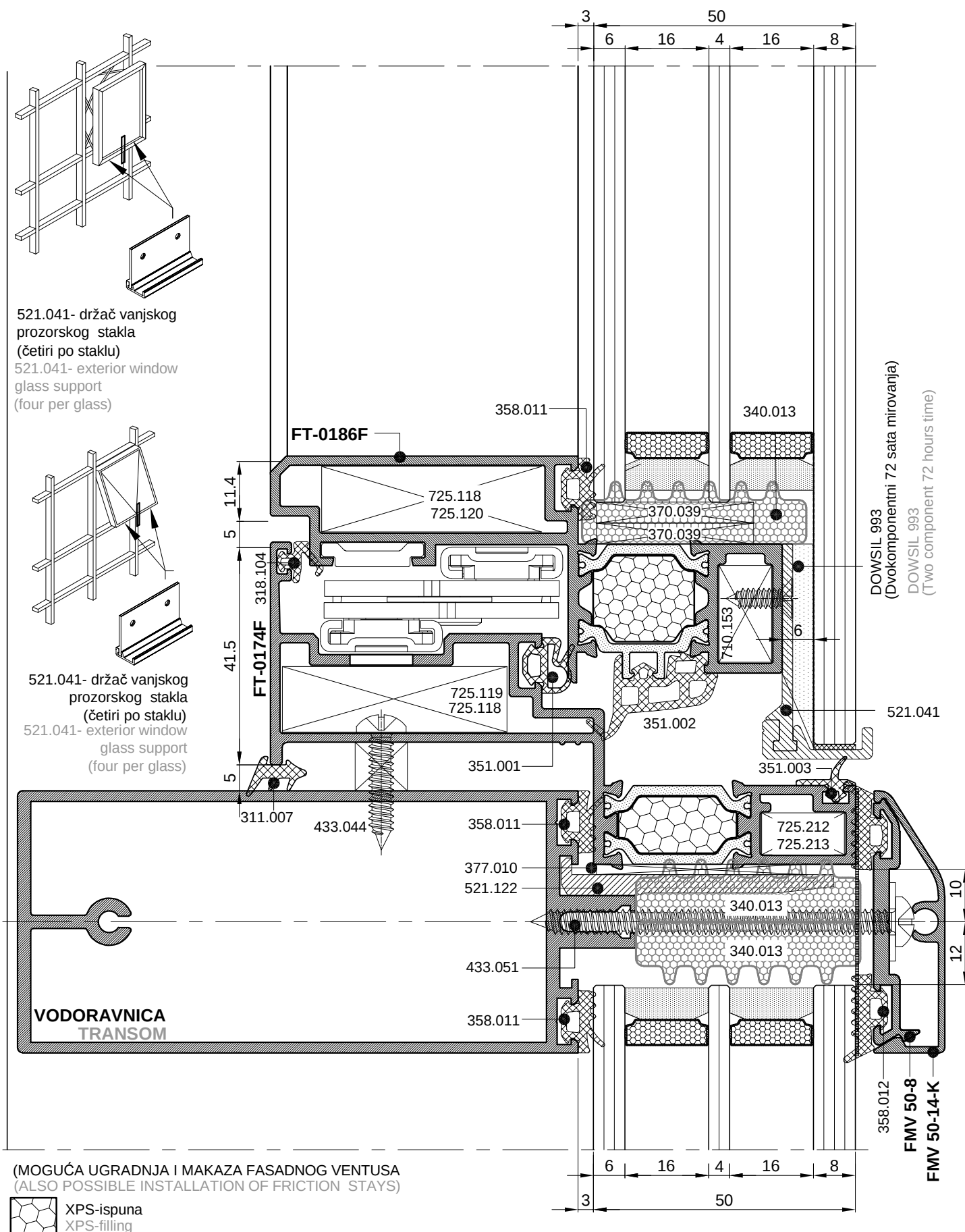
**VANJSKA STRANA PROFILA FT-0164 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI

**EXTERIOR SIDE OF PROFILE FT-0164 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS
AGO

DEBLJINA STRUKTURALNOG KITA min 6mm

STRUCTURAL SEALANT THICKNESS min 6mm



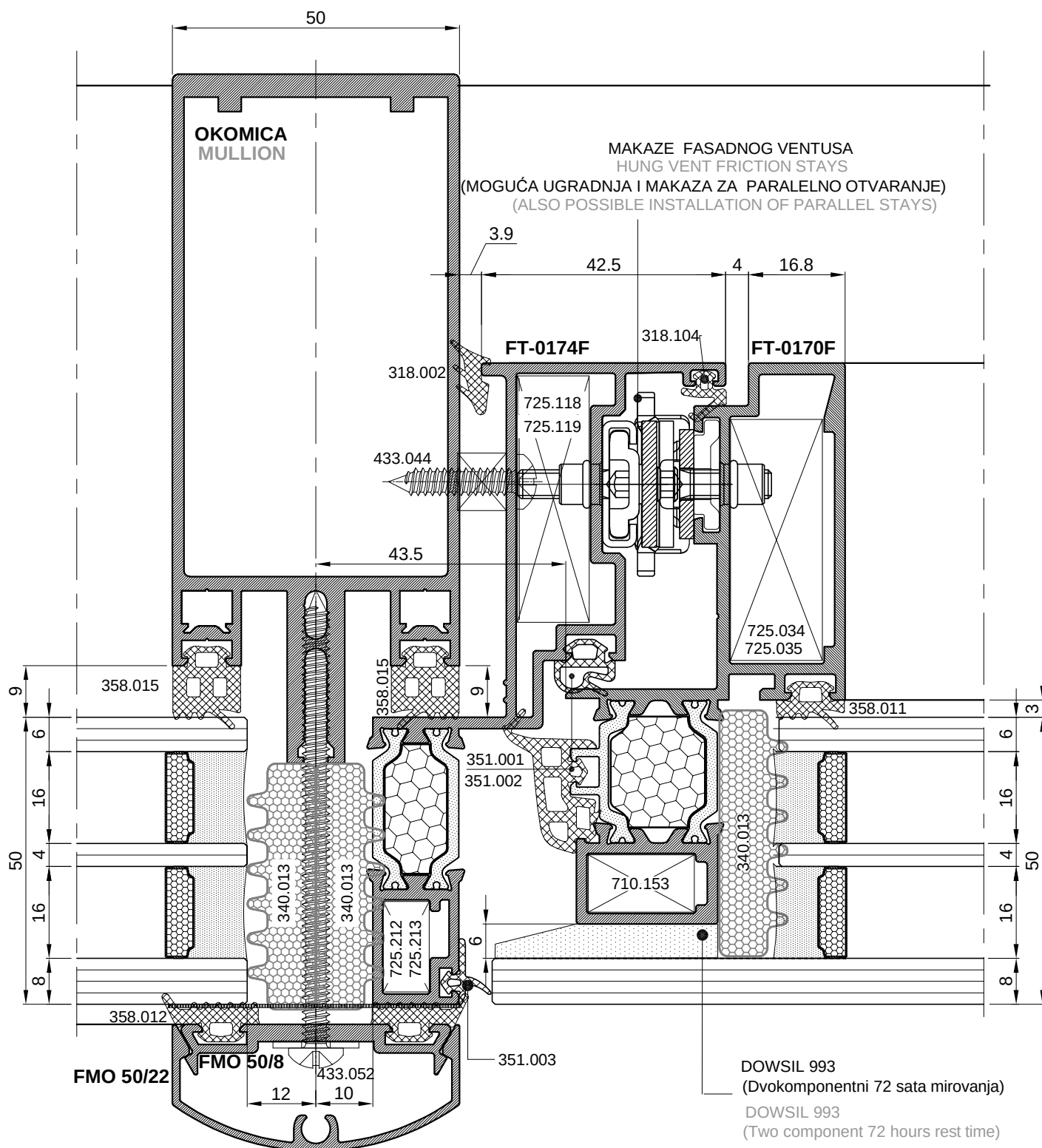
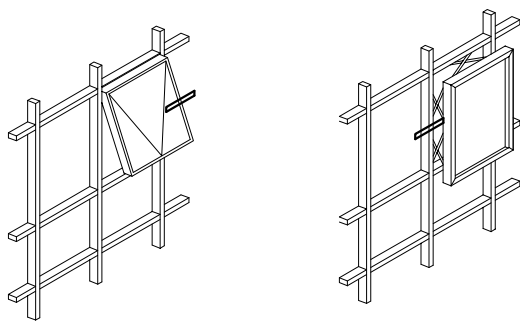


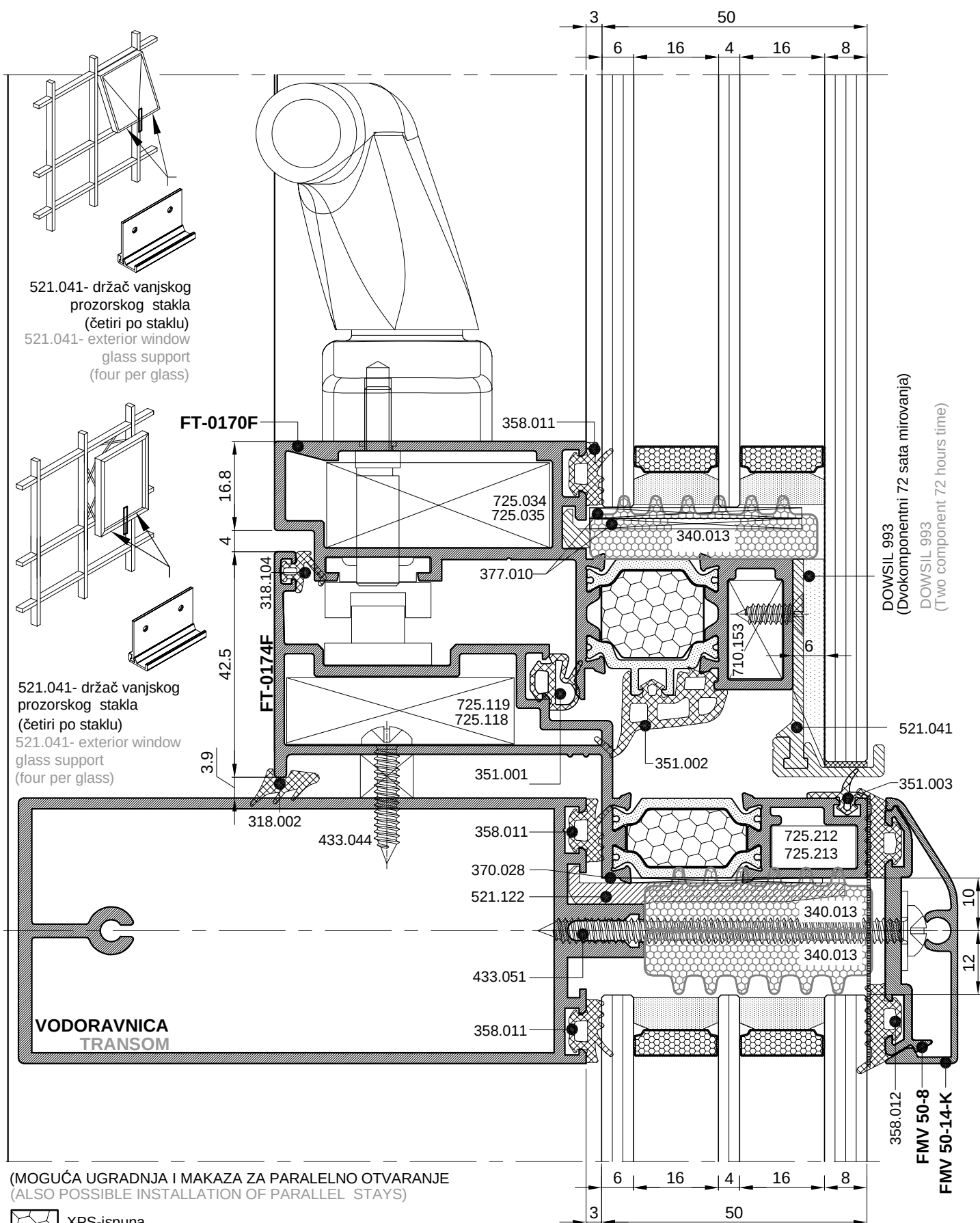
**VANJSKA STRANA PROFILA FT-0186 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI

**EXTERIOR SIDE OF PROFILE FT-0186 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO

DEBLJINA STRUKTURALNOG KITA 6 min mm

STRUCTURAL SEALANT THICKNESS min 6 mm





(MOGUĆA UGRADNJA I MAKAZA ZA PARALELNO OTVARANJE
(ALSO POSSIBLE INSTALLATION OF PARALLEL STAYS))



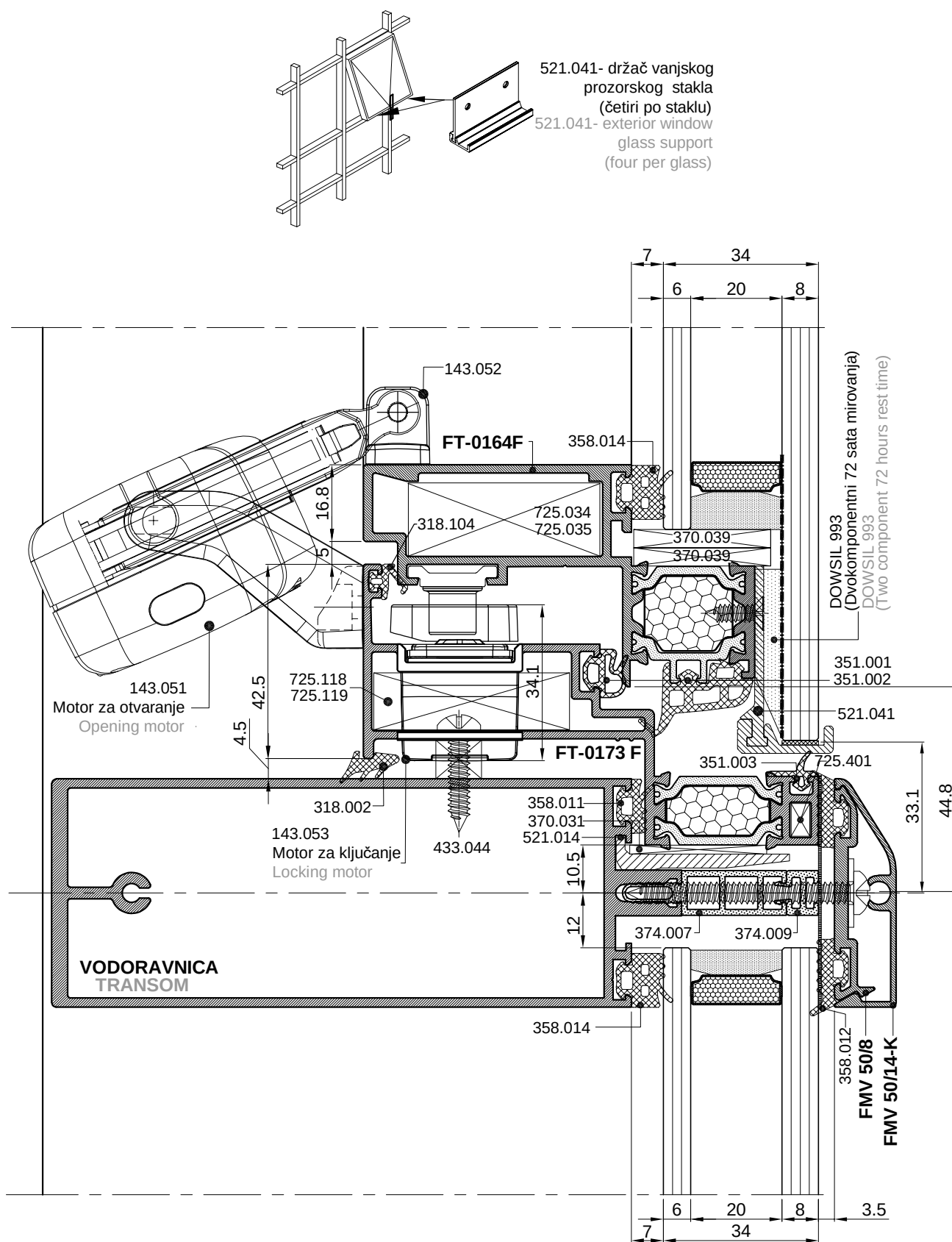
XPS-ispuna
XPS-filling

****VANJSKA STRANA PROFILA FT-0170 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI**

**EXTERIOR SIDE OF PROFILE FT-0170 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO

DEBLJINA STRUKTURALNOG KITA min 6 mm

STRUCTURAL SEALANT THICKNESS min 6 mm



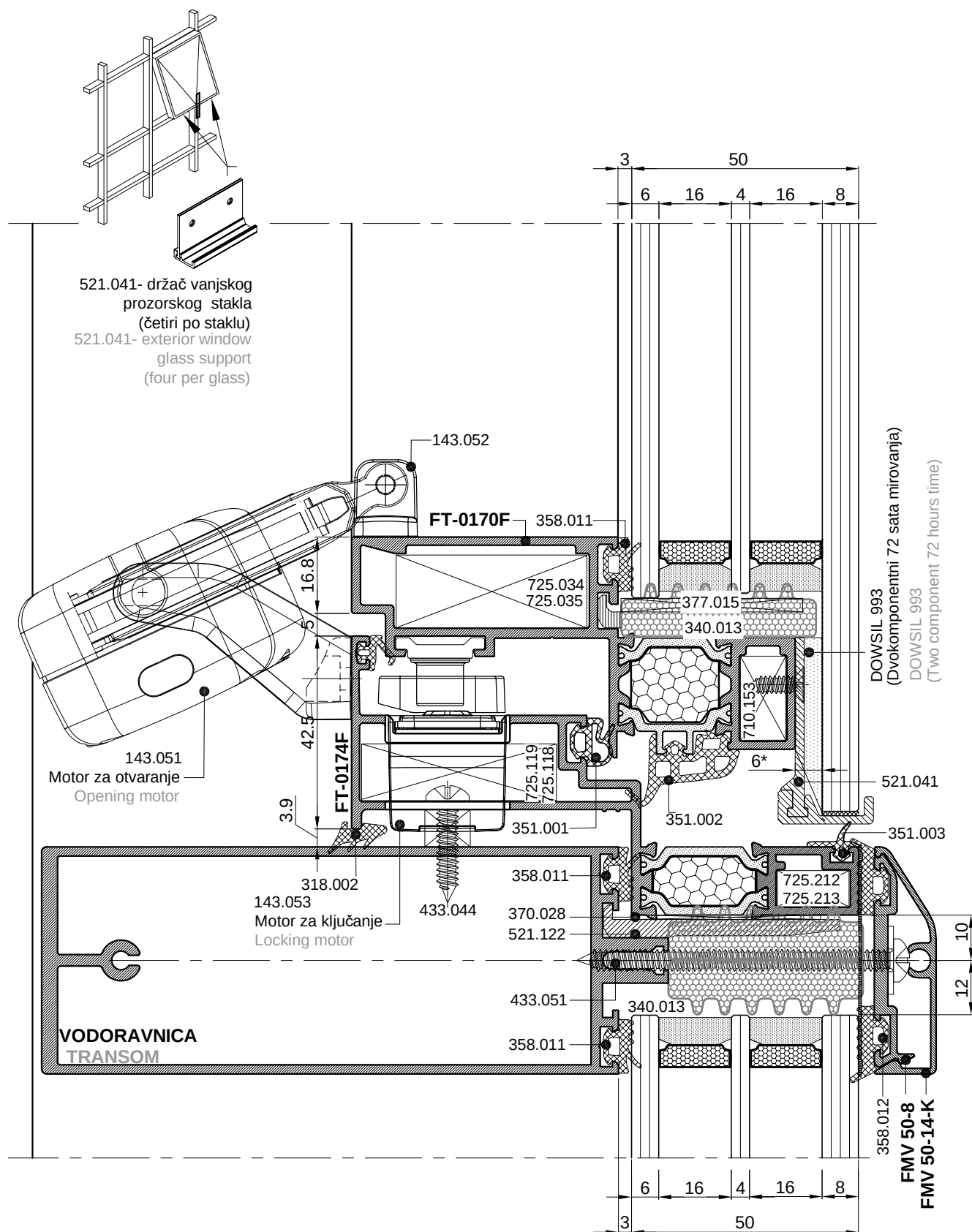
XPS-ispuna
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**VANJSKA STRANA PROFILA FT-0164 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI

**EXTERIOR SIDE OF PROFILE FT-0164 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO

DEBLJINA STRUKTURALNOG KITA min 6mm

STRUCTURAL SEALANT THICKNESS min 6mm



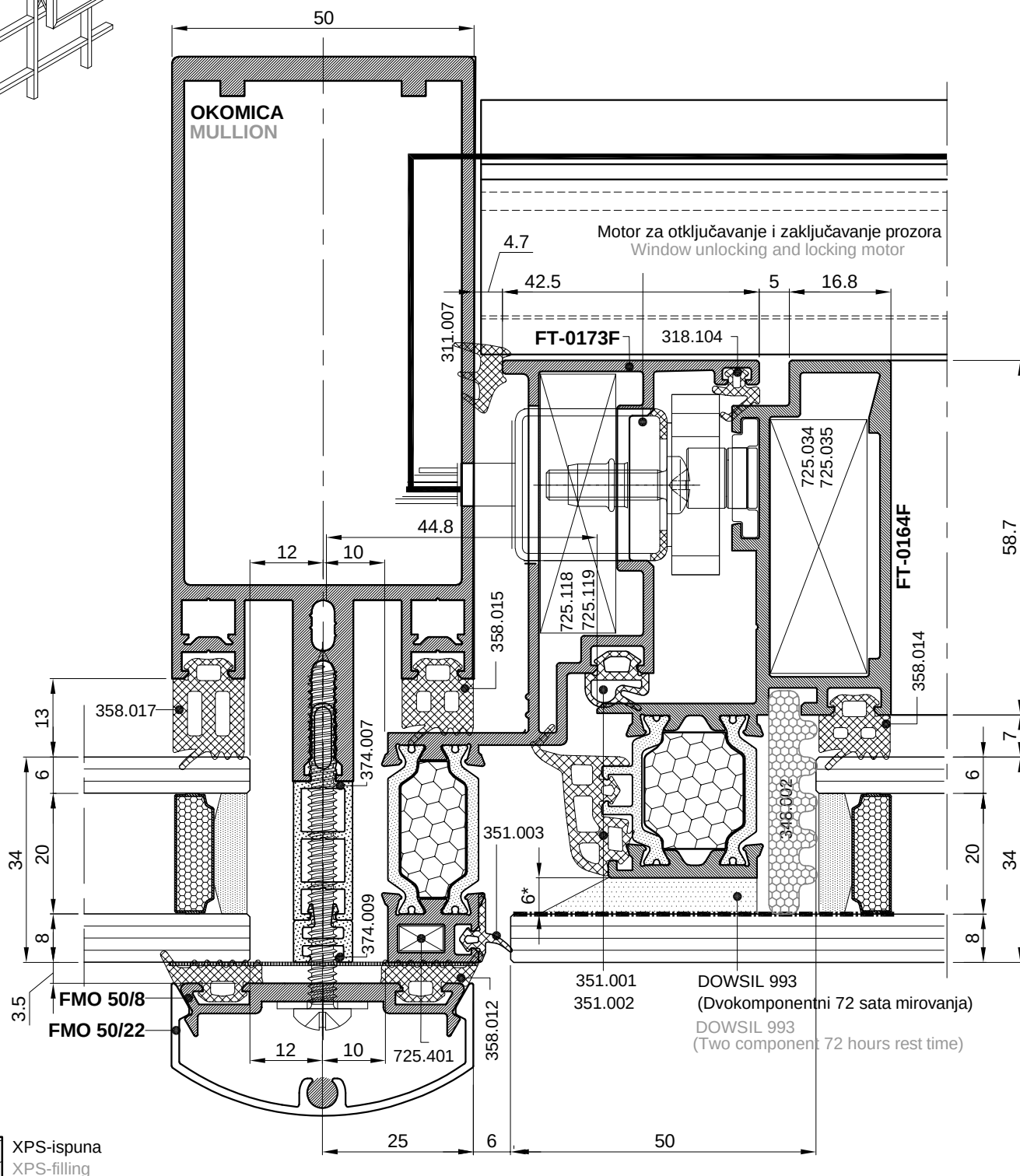
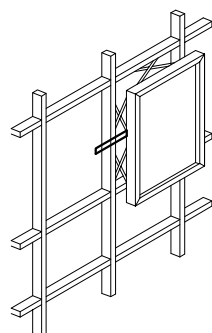
XPS-ispuna
XPS-filling

**VANJSKA STRANA PROFILA FT-0170 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI

**EXTERIOR SIDE OF PROFILE FT-0170 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO

DEBLJINA STRUKTURALNOG KITA min 6 mm

STRUCTURAL SEALANT THICKNESS min 6 mm



(MOGUĆA UGRADNJA I TROSTRUKOG STAKLA SA PROFILIMA FT-174 I FT-170

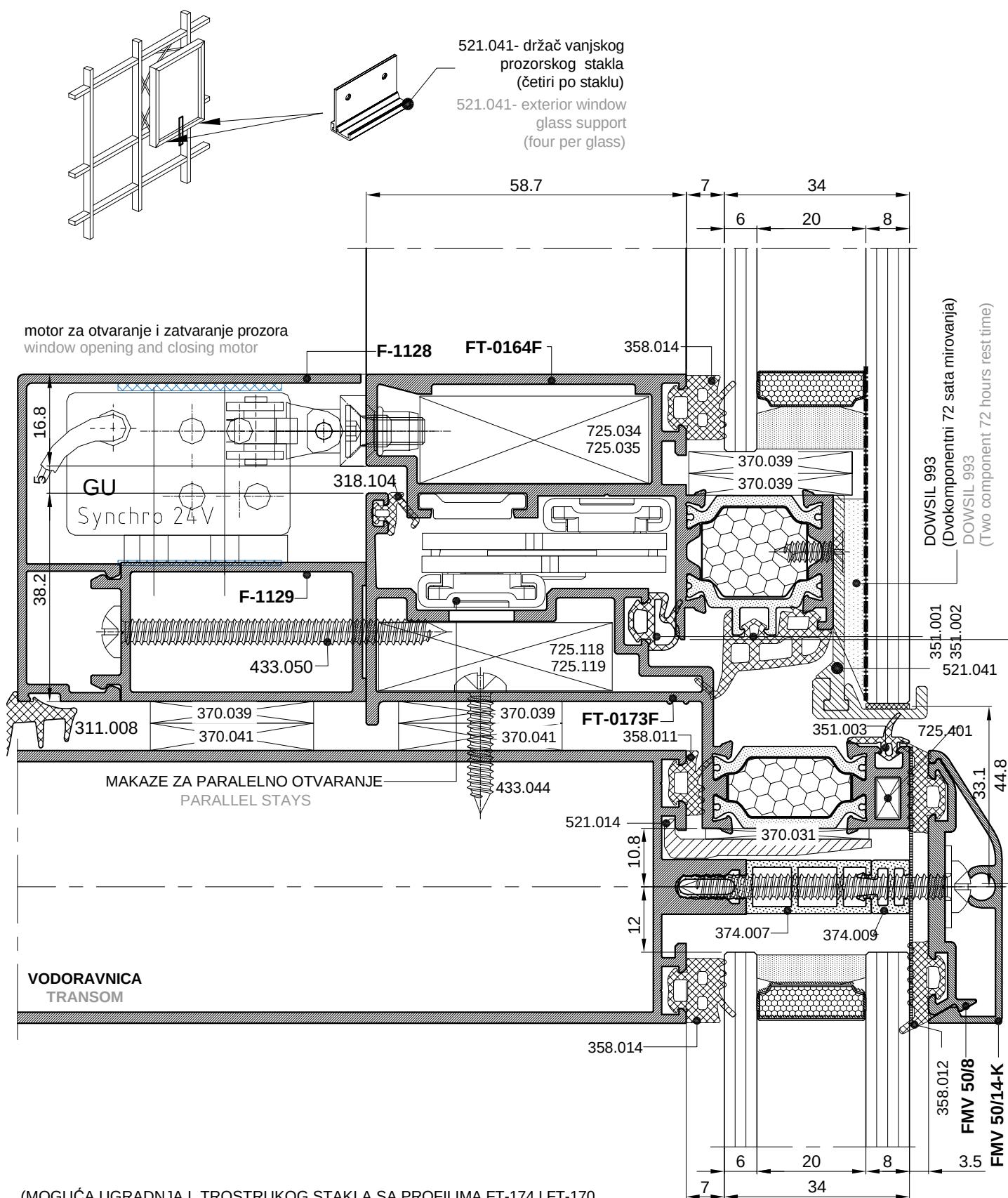
(ALSO POSSIBLE INSTALLATION OF TRIPLE PANE GLASS WITH PROFILES FT-174 AND FT-170)

****VANJSKA STRANA PROFILA FT-0164 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI**

****EXTERIOR SIDE OF PROFILE FT-0164 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO**

DEBLJINA STRUKTURALNOG KITA min 6mm

STRUCTURAL SEALANT THICKNESS min 6mm



(MOGUĆA UGRADNJA I TROSTRUKOG STAKLA SA PROFILIMA FT-174 I FT-170)

(ALSO POSSIBLE INSTALLATION OF TRIPLE PANE GLASS WITH PROFILES FT-174 AND FT-170)



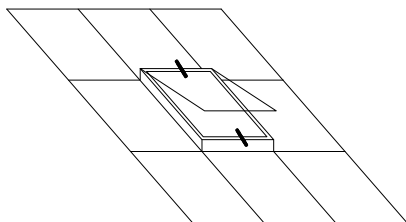
XPS-ispuna
XPS-filling

****VANJSKA STRANA PROFILA FT-0164 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI**

**EXTERIOR SIDE OF PROFILE FT-0164 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS
AGO

DEBLJINA STRUKTURALNOG KITA min 6mm

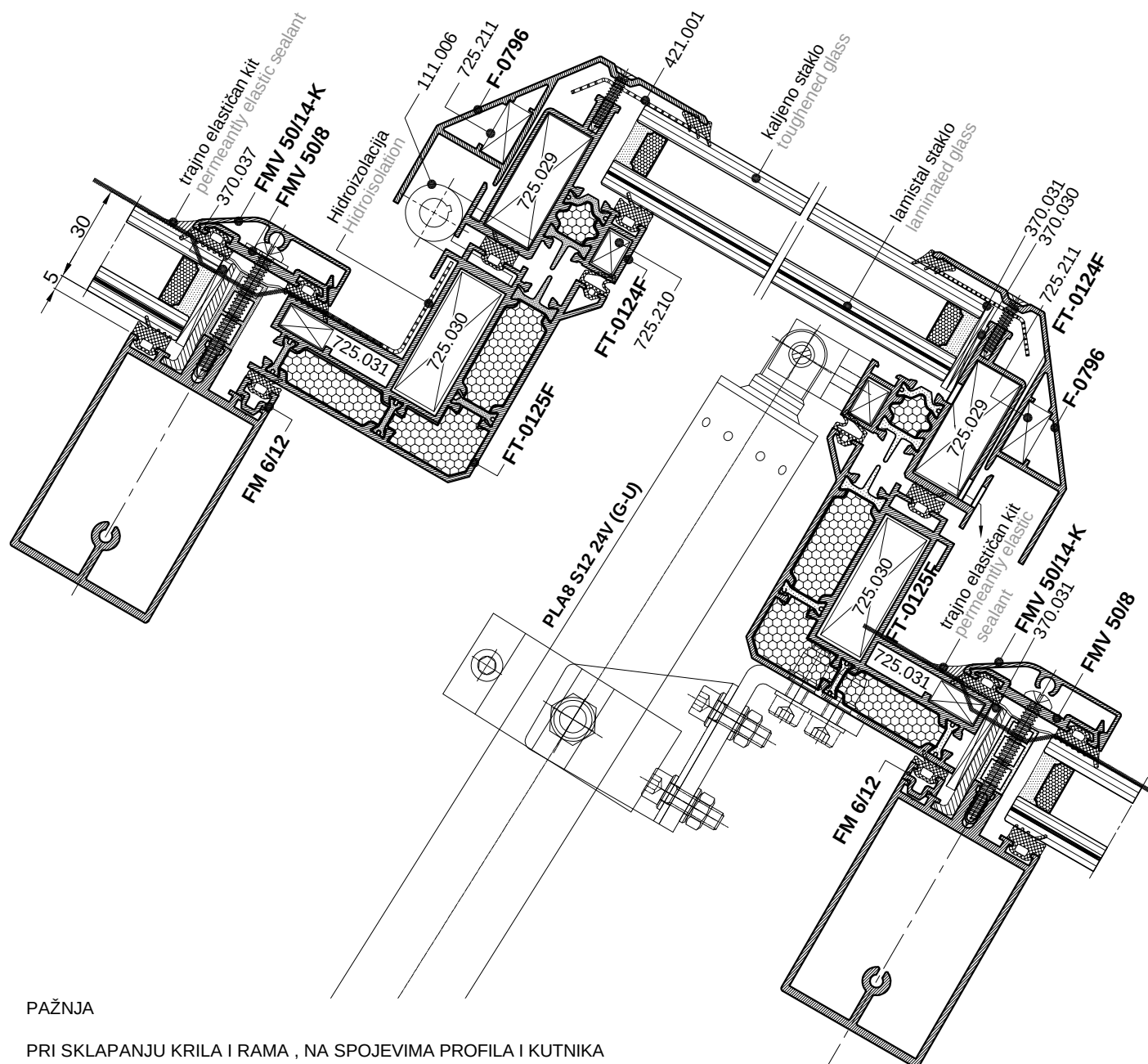
STRUCTURAL SEALANT THICKNESS min 6mm



NAPOMENA:

Mogućnost ugradnje motora za krovni prozor
s navojnim vretenom 230V

The possibility of installing a motor for a skylight
with a screw spindle 230V

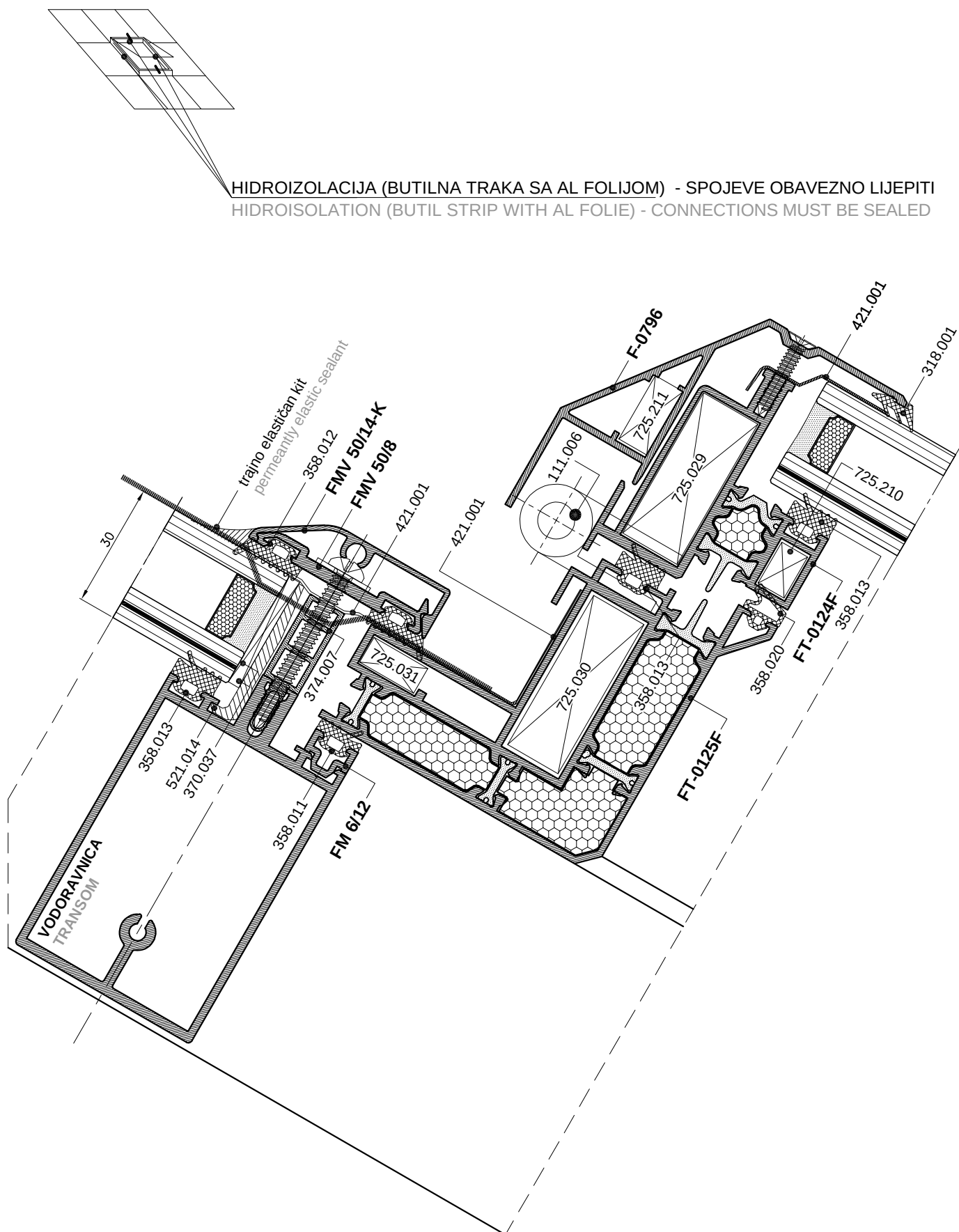


PAŽNJA

PRI SKLAPANJU KRILA I RAMA, NA SPOJEVIMA PROFILA I KUTNIKA
SVE DODIRNE POVRŠINE (PROFIL-PROFIL KAO I PROFIL-KUTNIK)
OBAVEZNO LIJEPITI I ZAPUNITI DVOKOMPONENTNIM KITOM ZBOG POVEĆANJA
ČVRSTOĆE I ZAPTIVENOSTI SPOJA.

ATTENTION

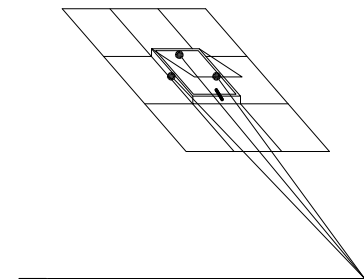
BY ASSEMBLY OF FRAME AND SASH, ON CONNECTIONS OF PROFILES AND CORNER JOINTS ALL
THE CONTACT SURFACES (PROFILE-PROFILE AND PROFILE-CORNER JOINT)
MUST BE GLUED AND FILLED WITH TWO COMPONENT SEALANT FOR BETTER FIRMNESS AND
SEALING.



NAPOMENA:

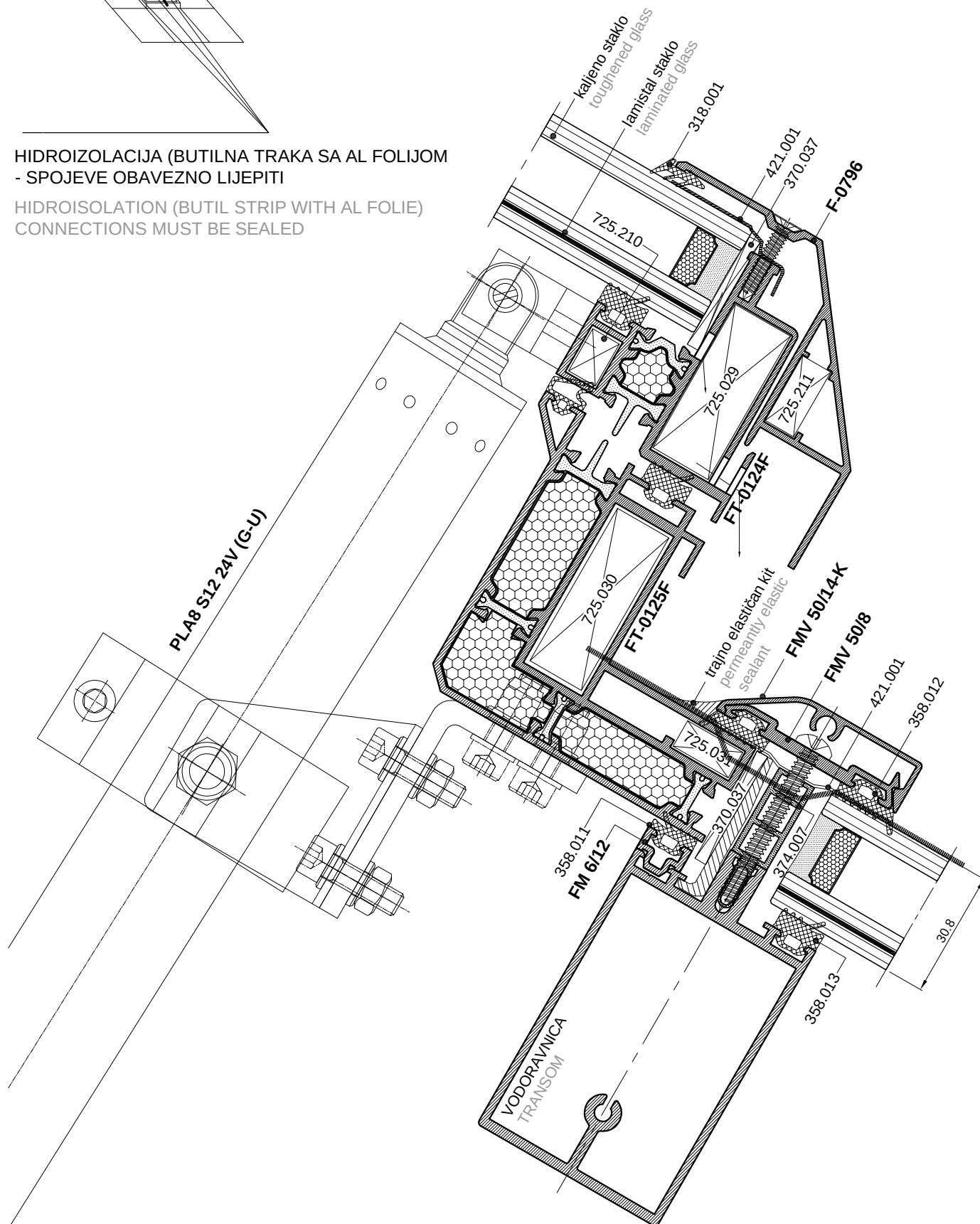
Mogućnost ugradnje motora za krovni prozor
s navojnim vretenom 230V

The possibility of installing a motor for a skylight
with a screw spindle 230V



HIDROIZOLACIJA (BUTILNA TRAKA SA AL FOLIJOM
- SPOJEVE OBAVEZNO LIJEPITI)

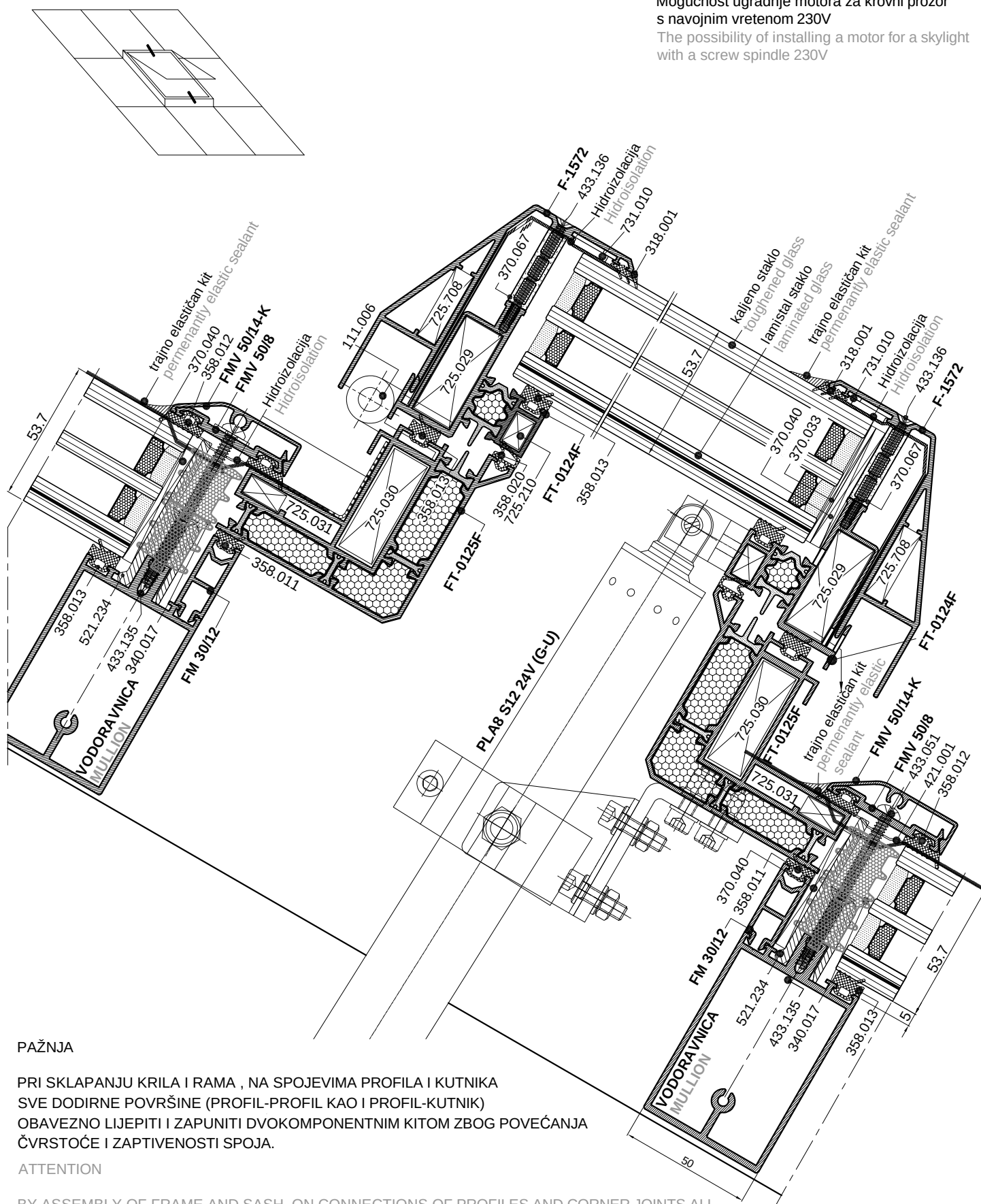
HIDROISOLATION (BUTYL STRIP WITH AL FOLIE)
CONNECTIONS MUST BE SEALED



NAPOMENA:

Mogućnost ugradnje motora za krovni prozor s navojnim vretenom 230V

The possibility of installing a motor for a skylight with a screw spindle 230V

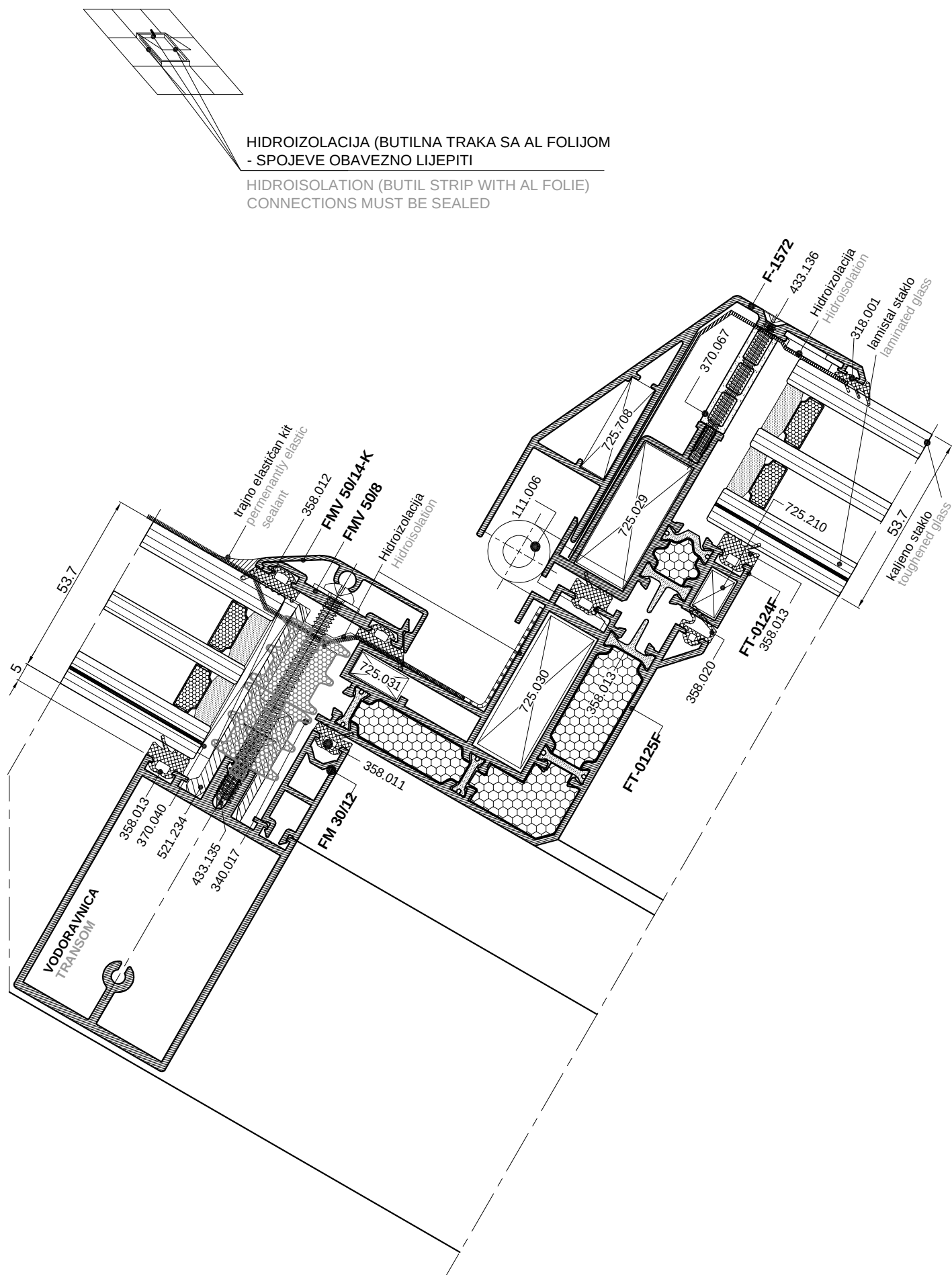


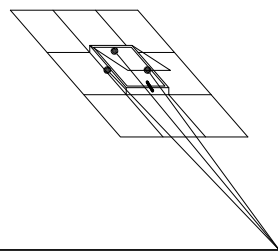
PAŽNJA

PRI SKLAPANJU KRILA I RAMA , NA SPOJEVIMA PROFILA I KUTNIKA
SVE DODIRNE POVRŠINE (PROFIL-PROFIL KAO I PROFIL-KUTNIK)
OBAVEZNO LIJEPI TI I ZAPUNITI DVOKOMPONENTNIM KITOM ZBOG POVEĆANJA
ČVRSTOĆE I ZAPTIVENOSTI SPOJA.

ATTENTION

BY ASSEMBLY OF FRAME AND SASH, ON CONNECTIONS OF PROFILES AND CORNER JOINTS ALL THE CONTACT SURFACES (PROFILE-PROFILE AND PROFILE-CORNER JOINT) MUST BE GLUEAD AND FILLED WITH TWO COMPONENT SEALANT FOR BETTER FIRMNESS AND SEALING.





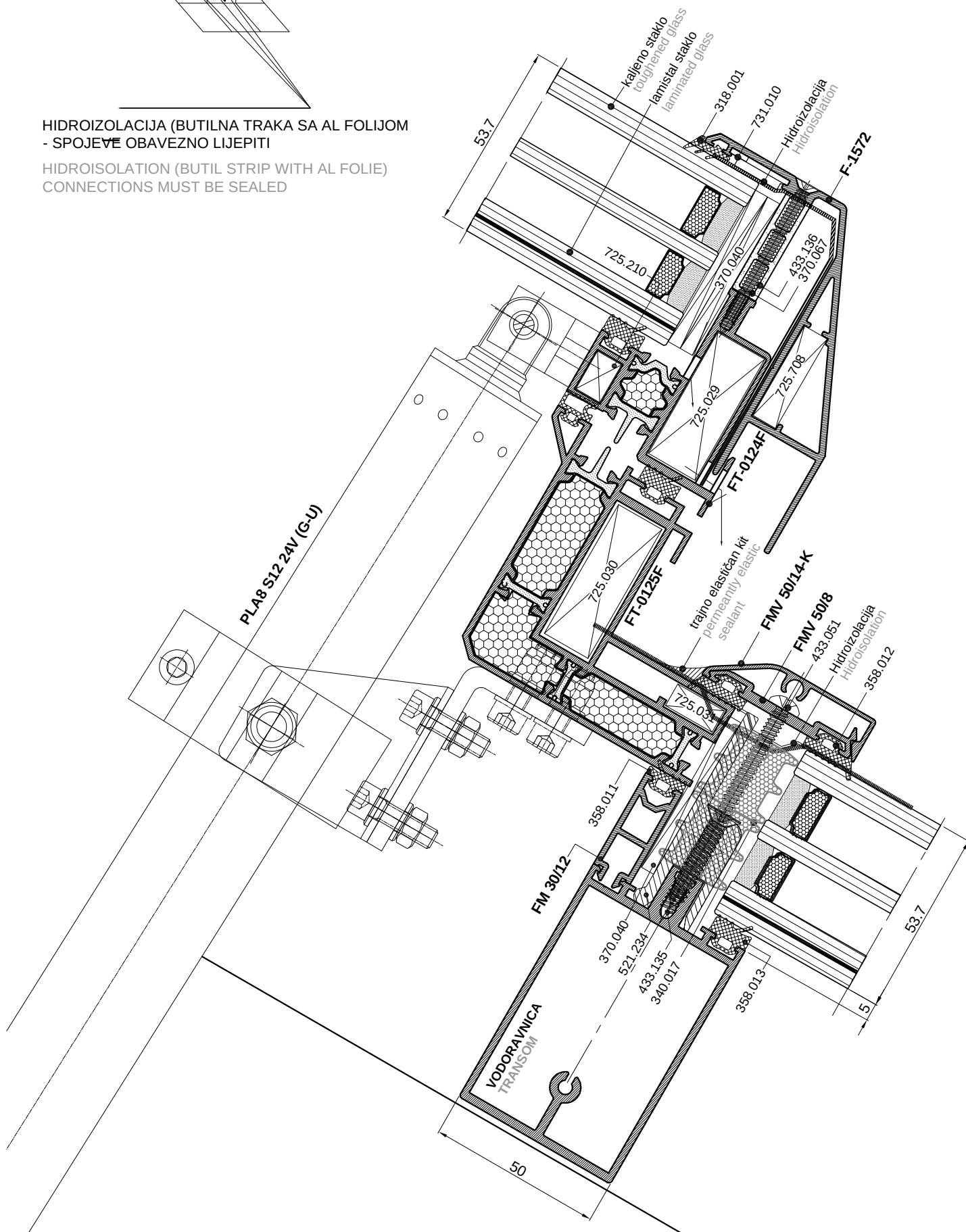
HIDROIZOLACIJA (BUTILNA TRAKA SA AL FOLIJOM
- SPOJEVE OBAVEZNO LIJEPITI)

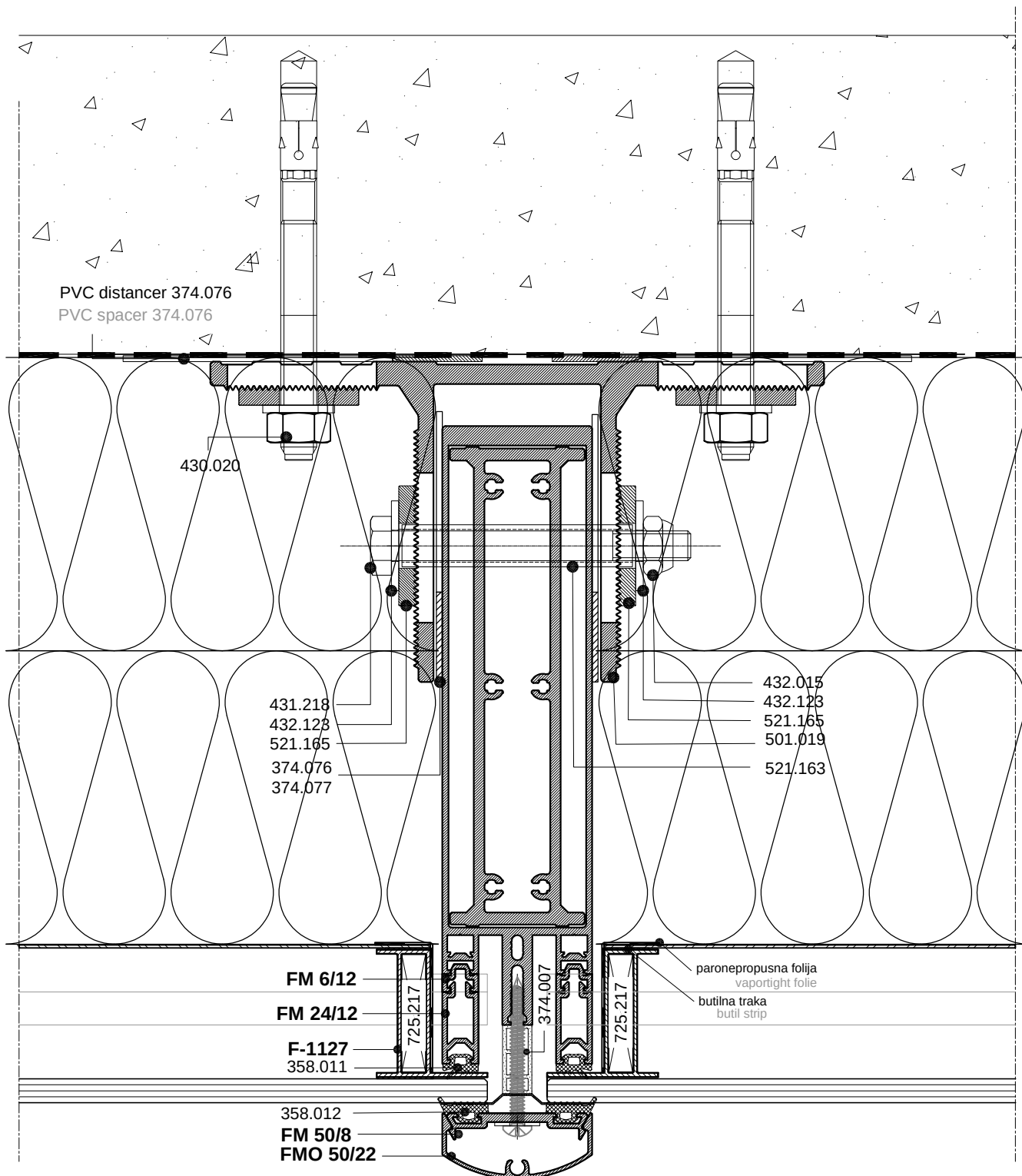
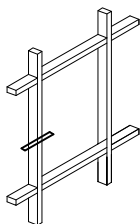
HIDROISOLATION (BUTIL STRIP WITH AL FOLIE)
CONNECTIONS MUST BE SEALED

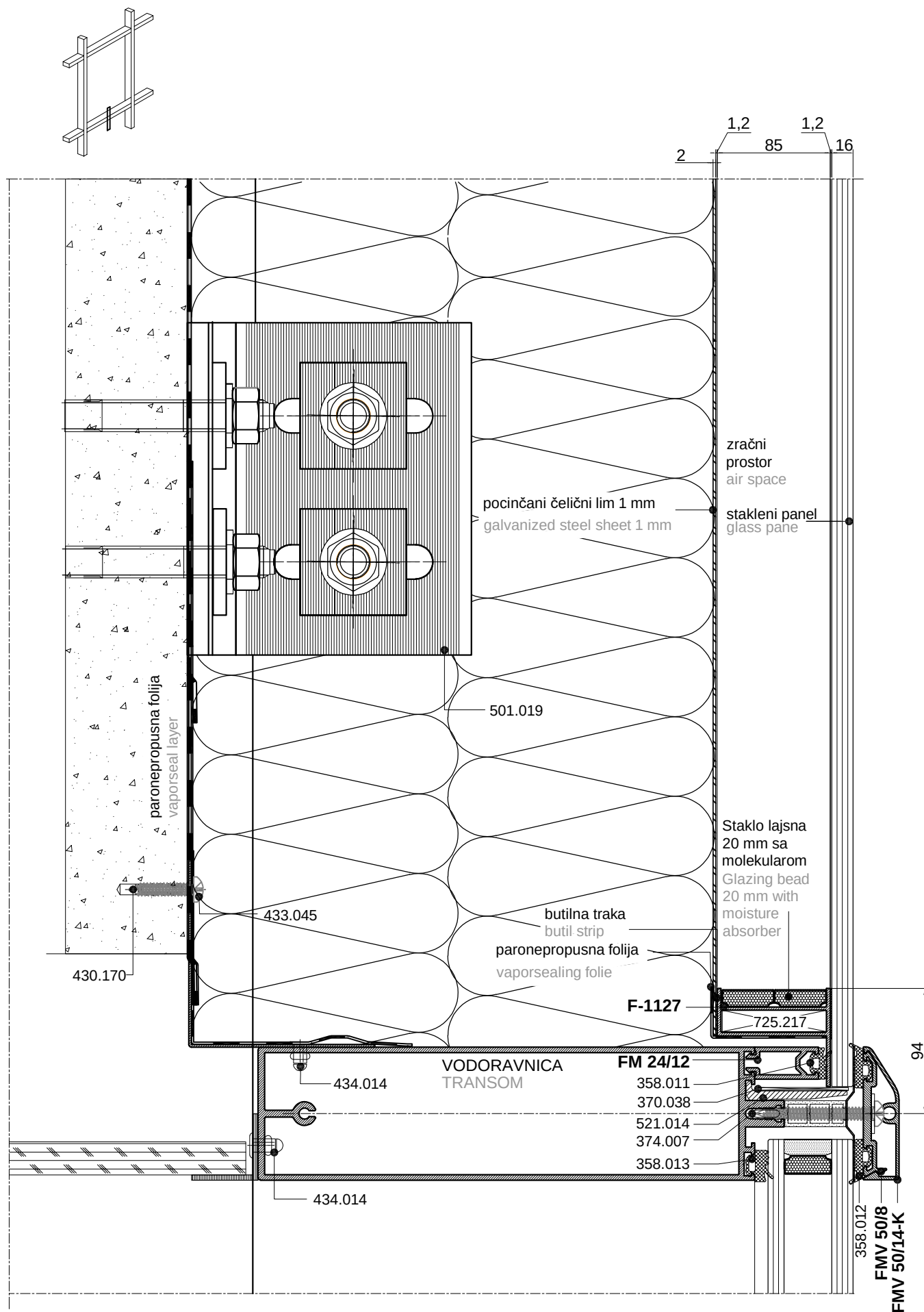
NAPOMENA:

Mogućnost ugradnje motora za krovni prozor
s navojnim vretenom 230V

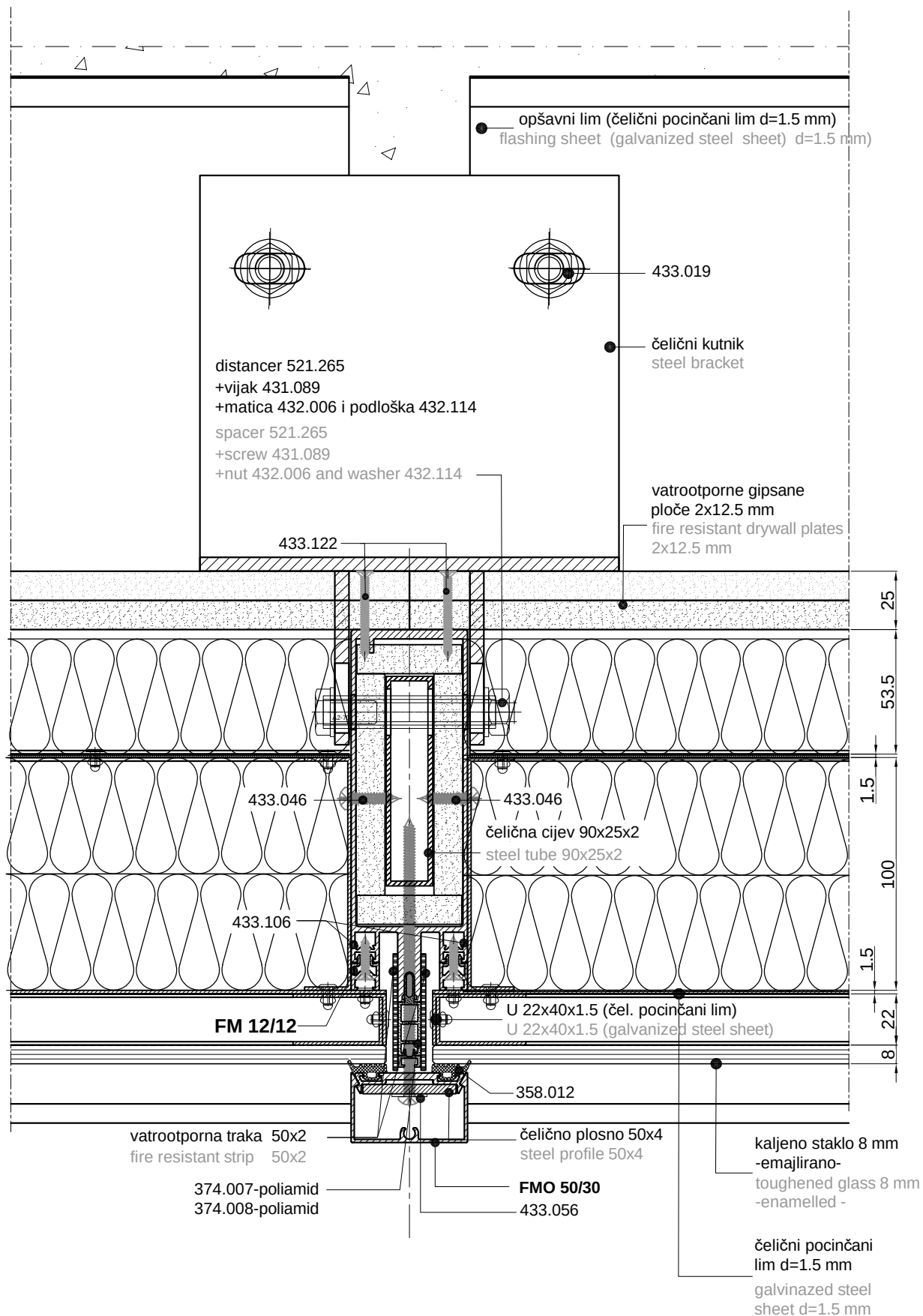
The possibility of installing a motor for a skylight
with a screw spindle 230V







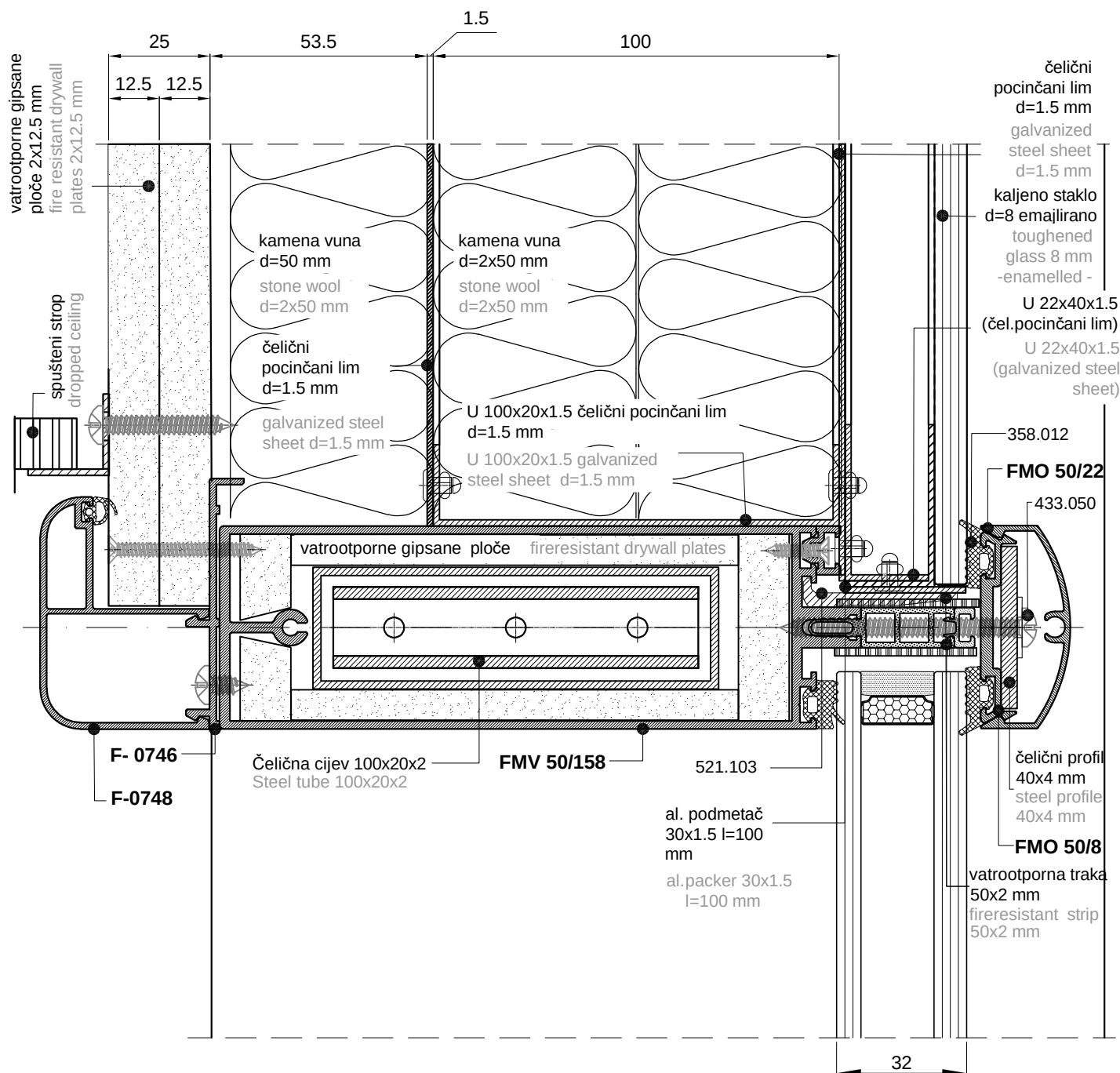
PROTUPOŽARNI PARAPETNI DIO FASADE RAZRED EI 90
FIRE PROTECTION SPANDREL CLASS EI 90



NAPOMENA: SVE SPOJEVE LIMOVA I ALUMINIJA LIJEPITI VATROOTPORNIM SILIKONOM

ATTENTION: ALL THE CONNECTIONS OF ALUMINIUM AND SHEETS NEED TO BE SEALED WITH FIRERESISTANT SILICONE SEALANT

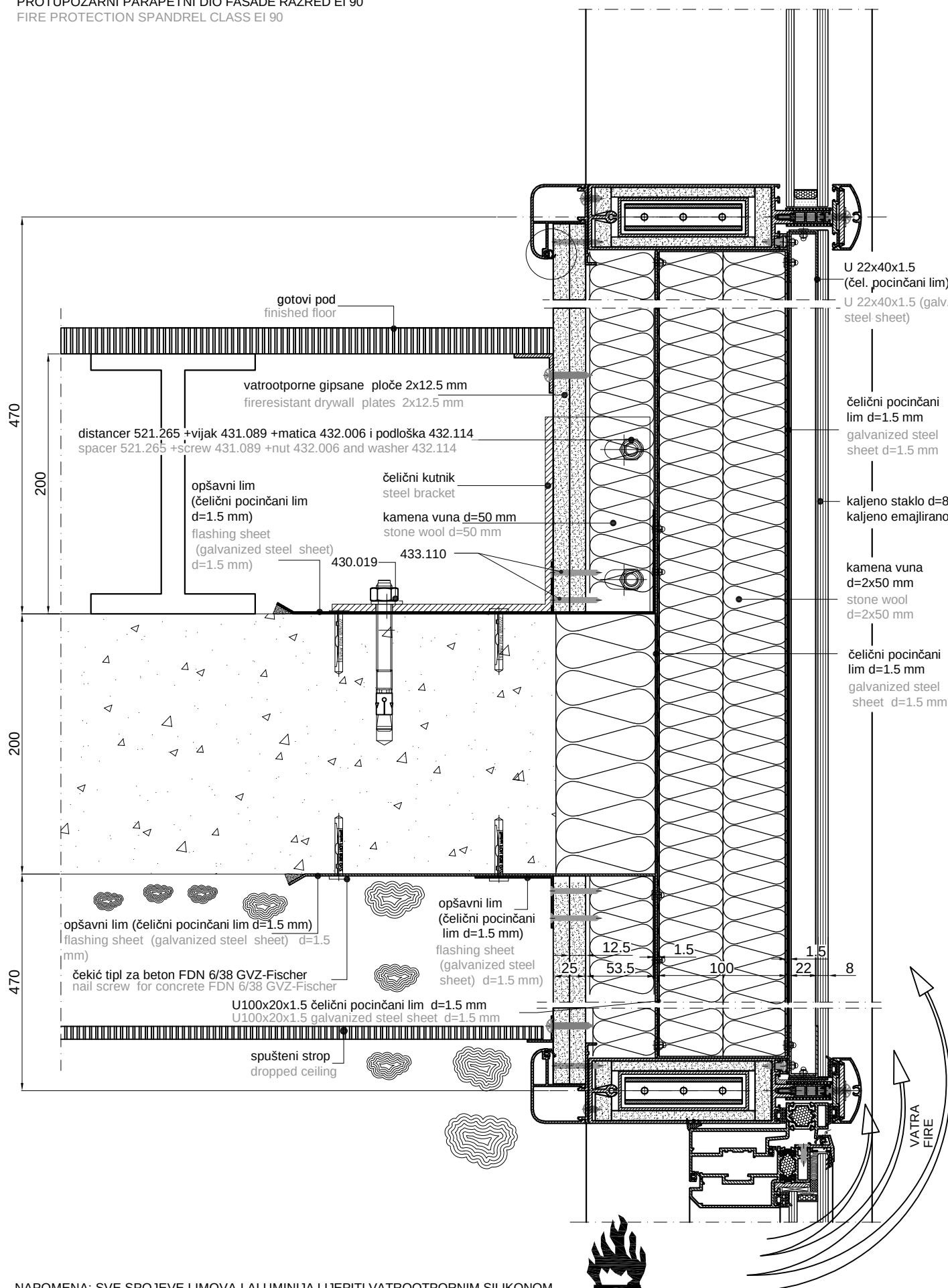
PROTUPOŽARNI PARAPETNI DIO FASADE RAZRED EI 90
FIRE PROTECTION SPANDREL CLASS EI 90



NAPOMENA: SVE SPOJEVE LIMOVA I ALUMINIJA LIJEPITI VATROOTPORNIM SILIKONOM

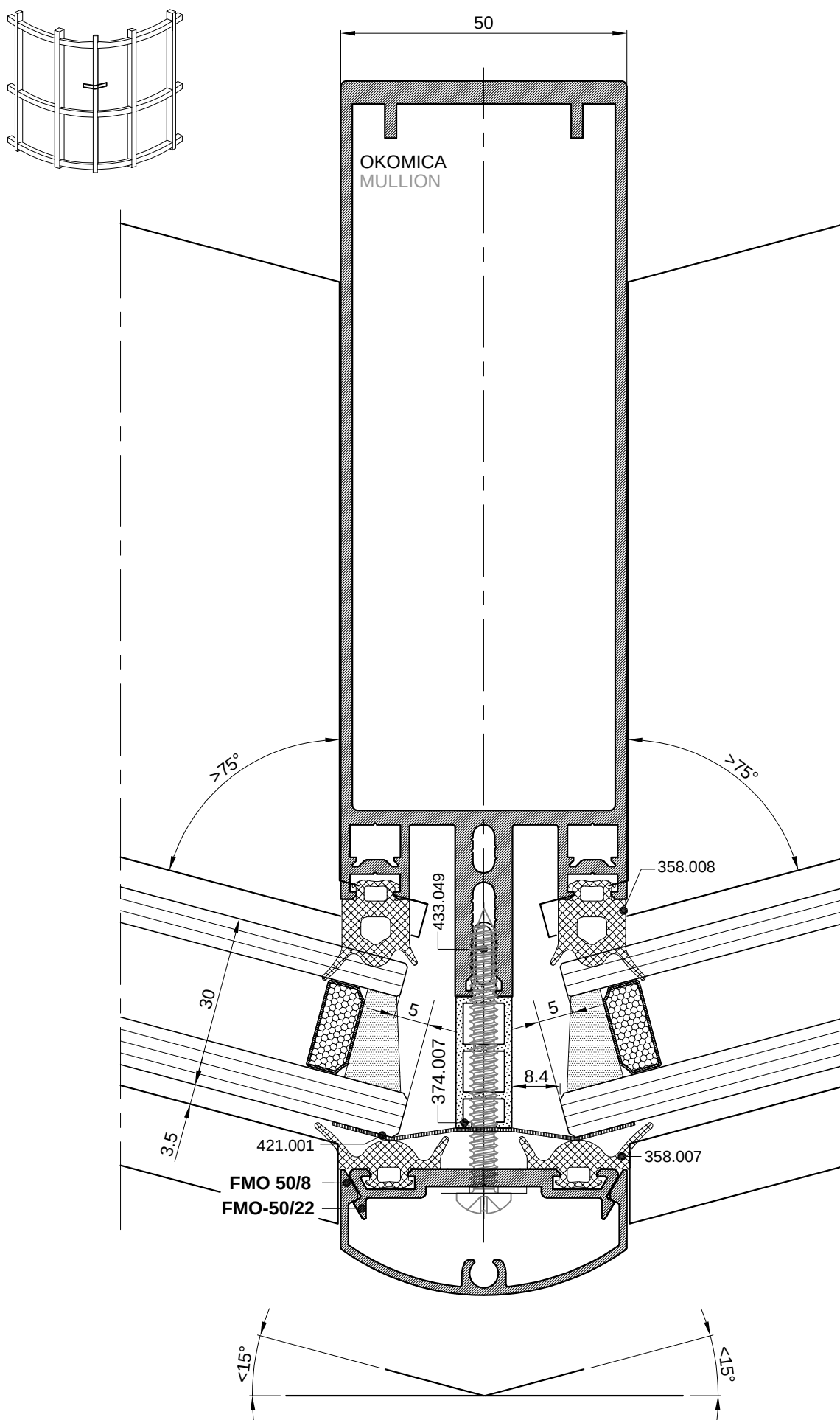
ATTENTION: ALL THE CONNECTIONS OF ALUMINIUM AND SHEETS NEED TO BE SEALED WITH FIRERESISTANT SILICONE SEALANT

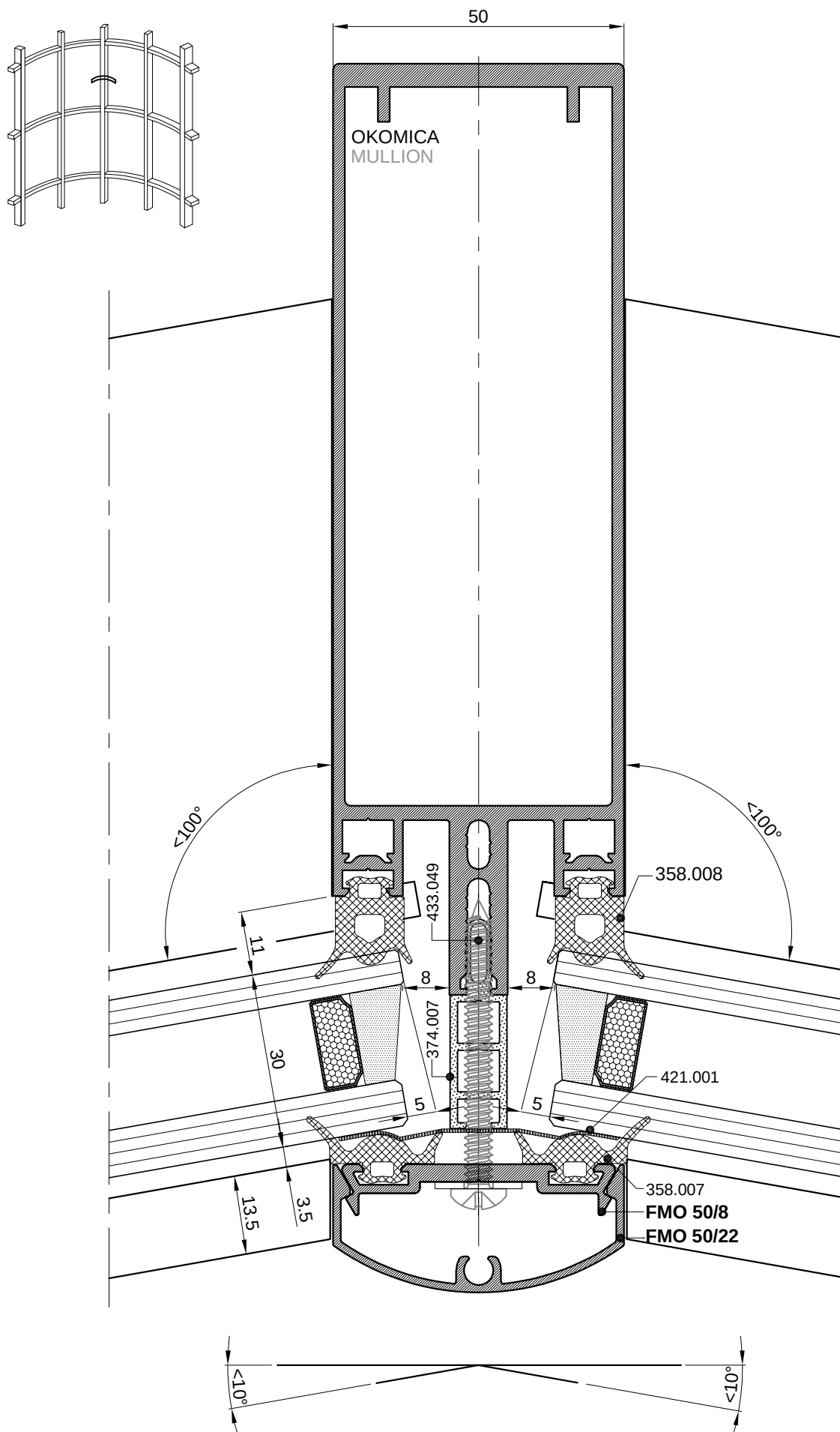
PROTUPOŽARNI PARAPETNI DIO FASADE RAZRED EI 90
FIRE PROTECTION SPANDREL CLASS EI 90

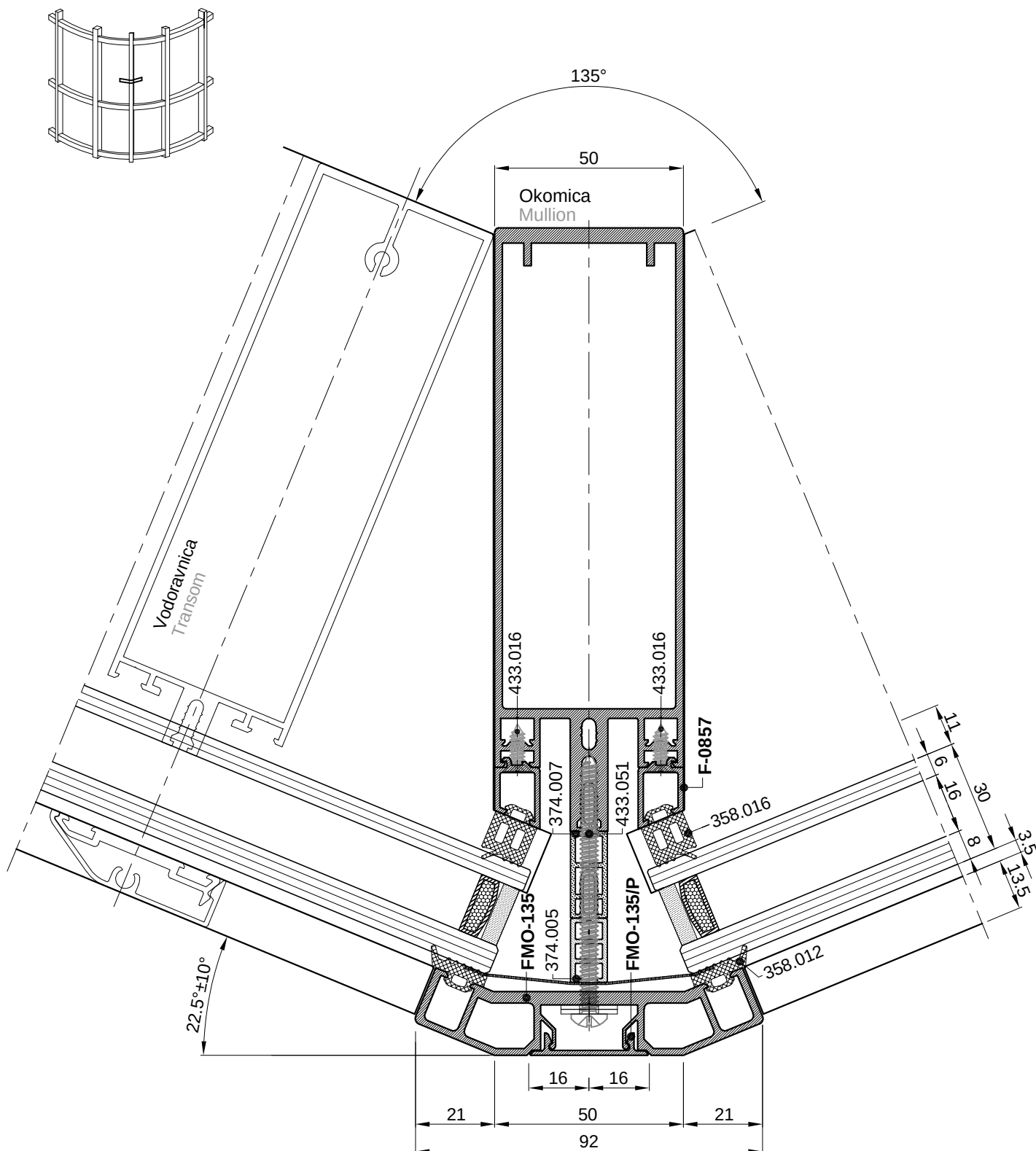


NAPOMENA: SVE SPOJEVE LIMOVA I ALUMINIJA LIJEPI TI VATROOTPORNIM SILIKONOM

ATTENTION: ALL THE CONNECTIONS OF ALUMINIUM AND SHEETS NEED TO BE SEALED WITH FIRE-RESISTANT SILICONE SEALANT

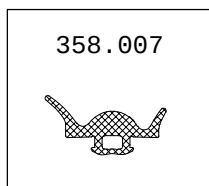
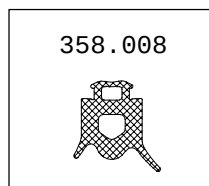


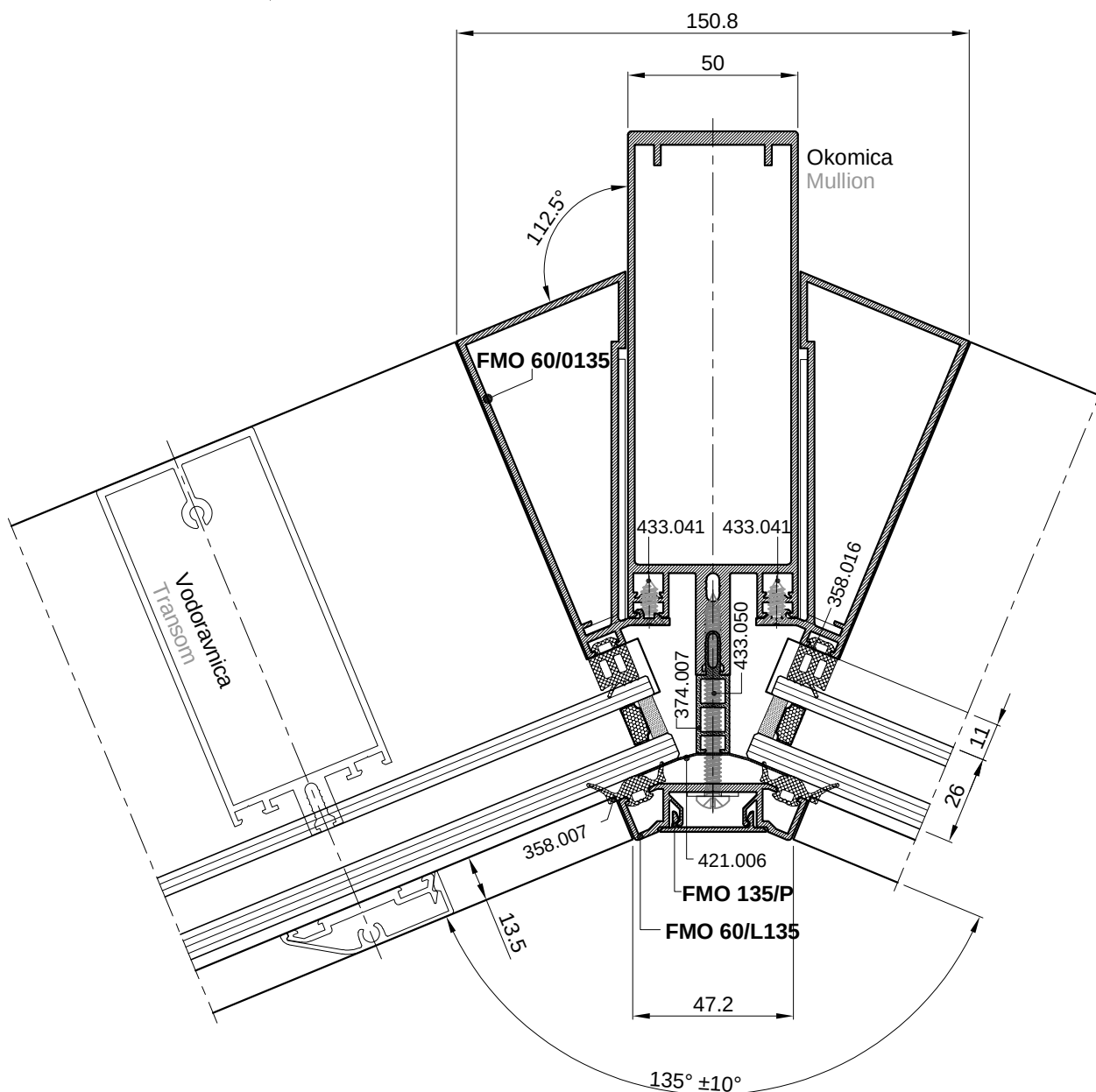
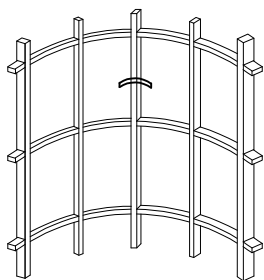




-Zamjenom fasadne brtve 358.016 i 358.015 za 358.008 i 358.007 moguća je promijena kuta od $\pm 10^\circ$

-Replacing facade gasket 358.016 and 358.015 with 358.008 and 358.007 gives possible angle change of $\pm 10^\circ$

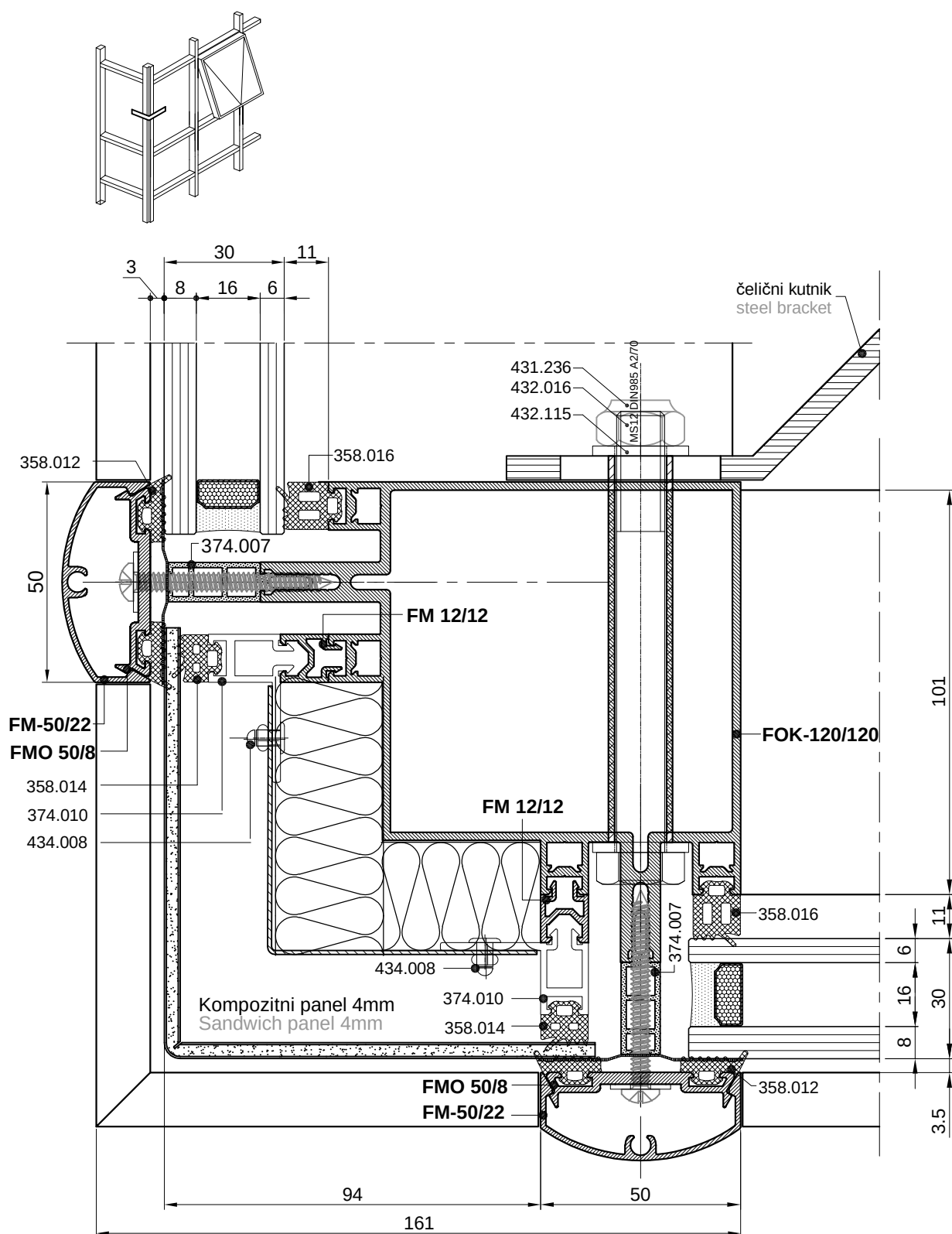


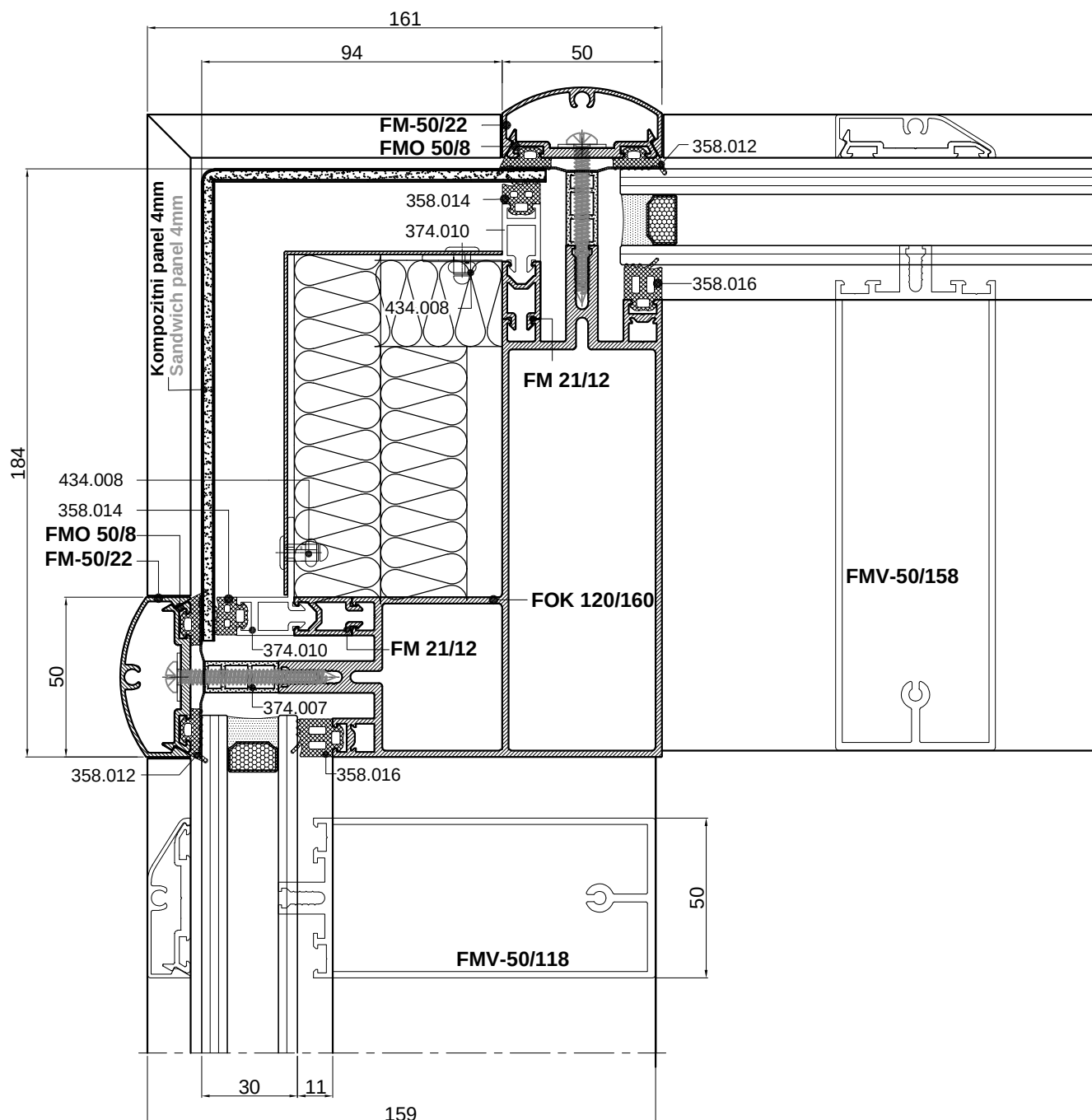
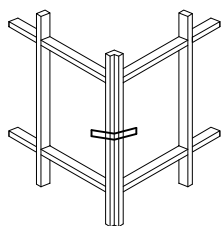


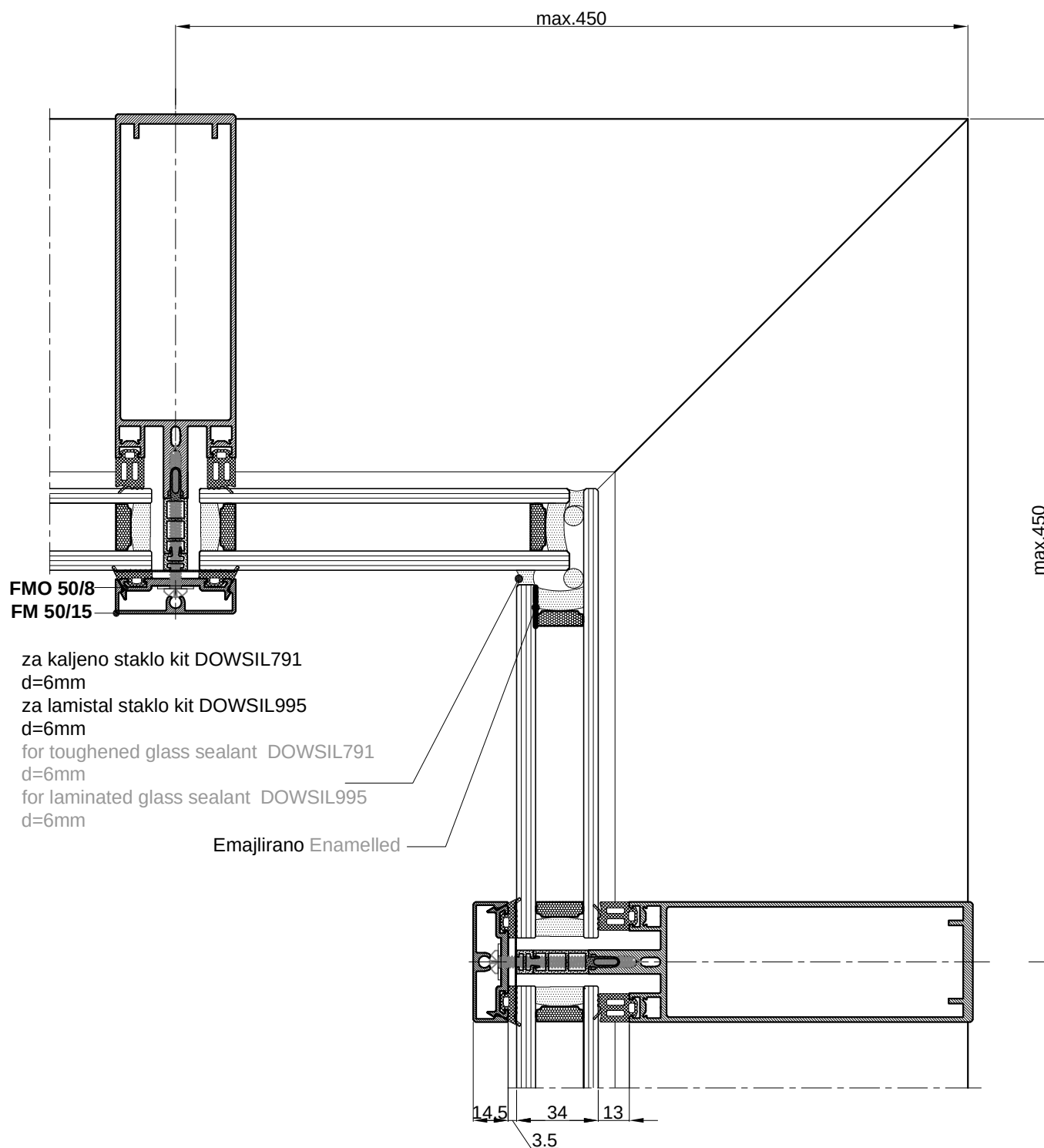
-Zamjenom fasadne brtve 358.016 za 358.008 moguća je promijena kuta od $\pm 10^\circ$
 -Replacing facade gasket 358.016 with 358.008 gives possible angle change of $\pm 10^\circ$

358.008



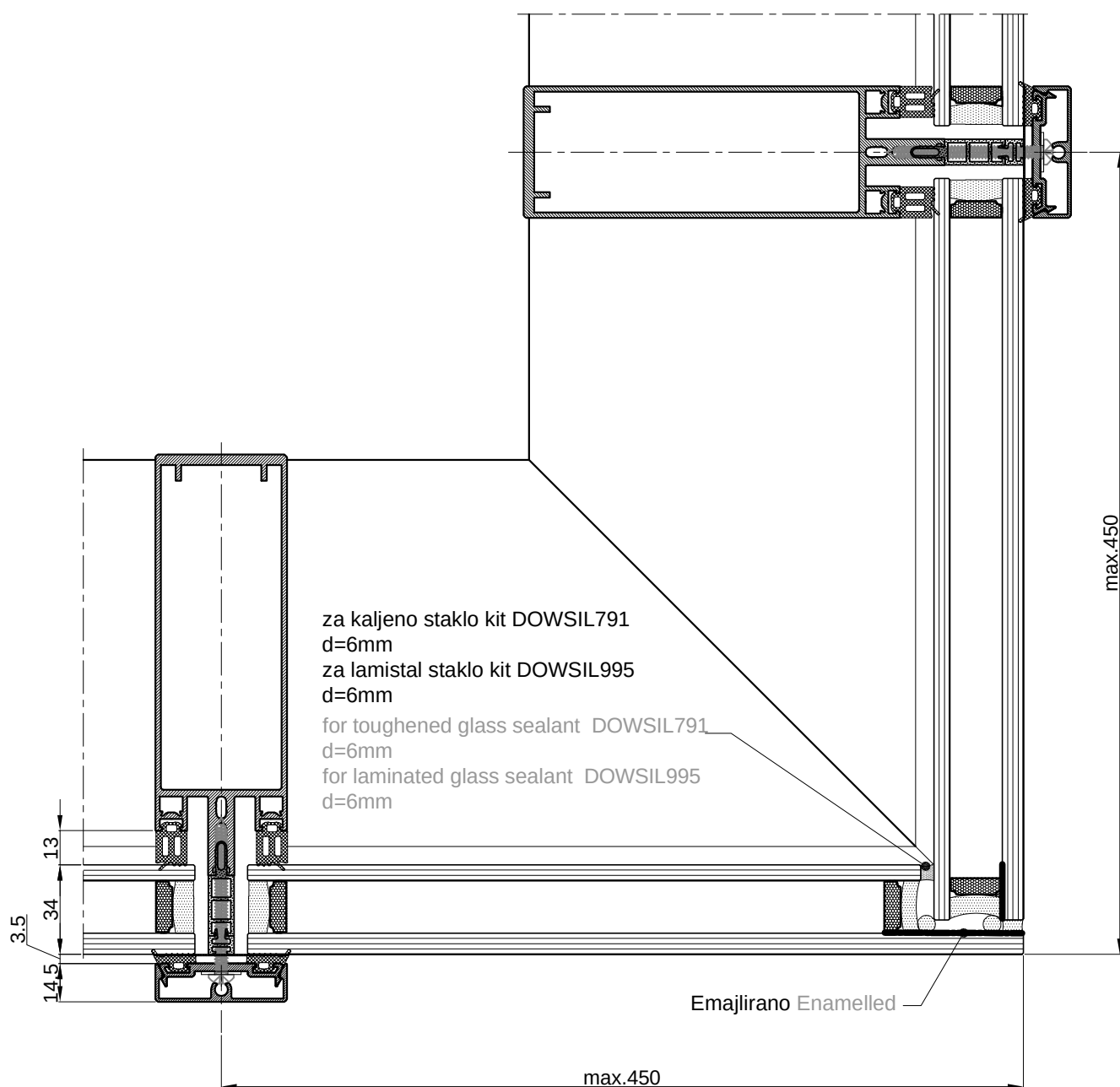






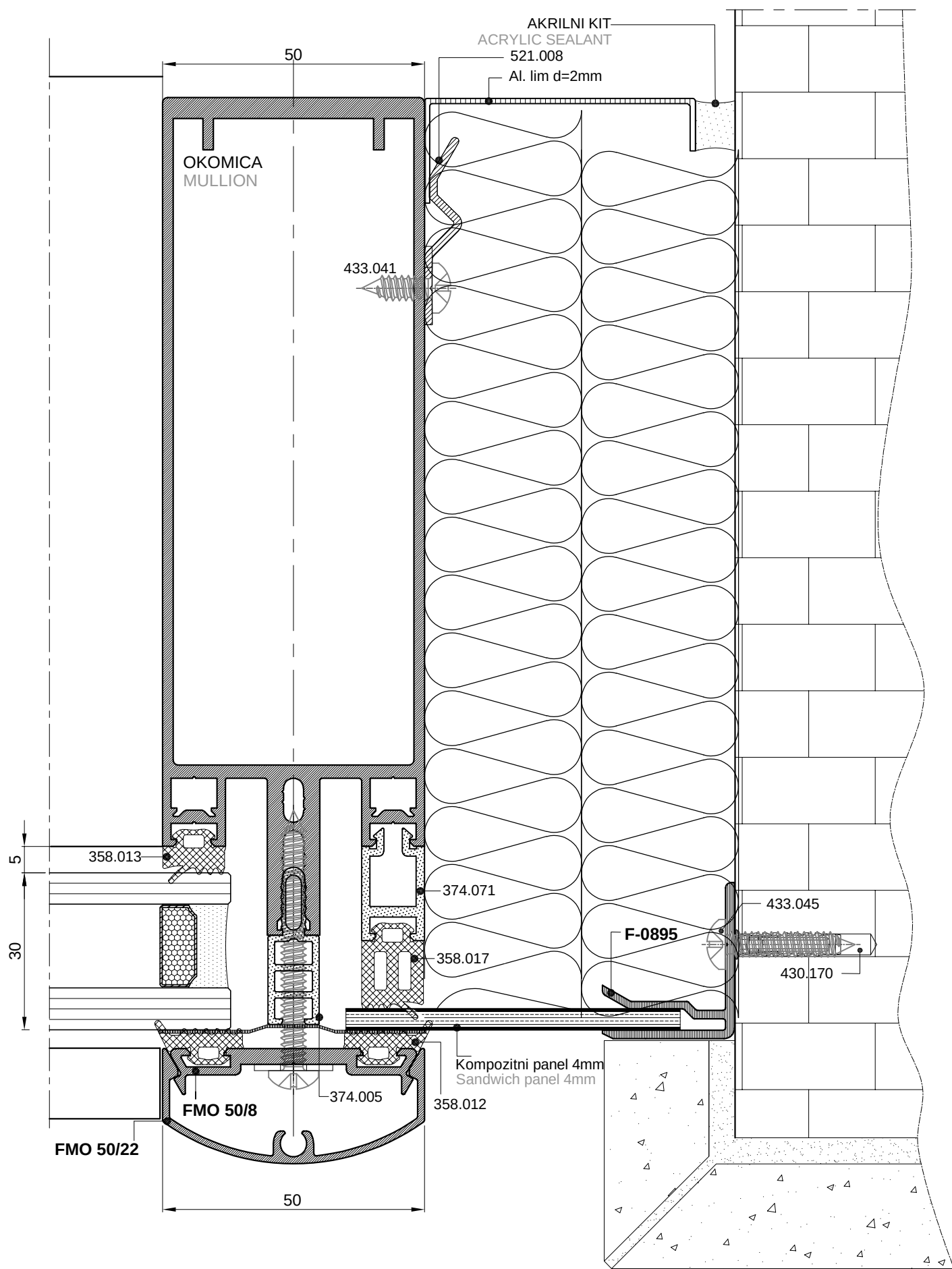
DEBLJINA STRUKTURALNOG KITA min 6mm

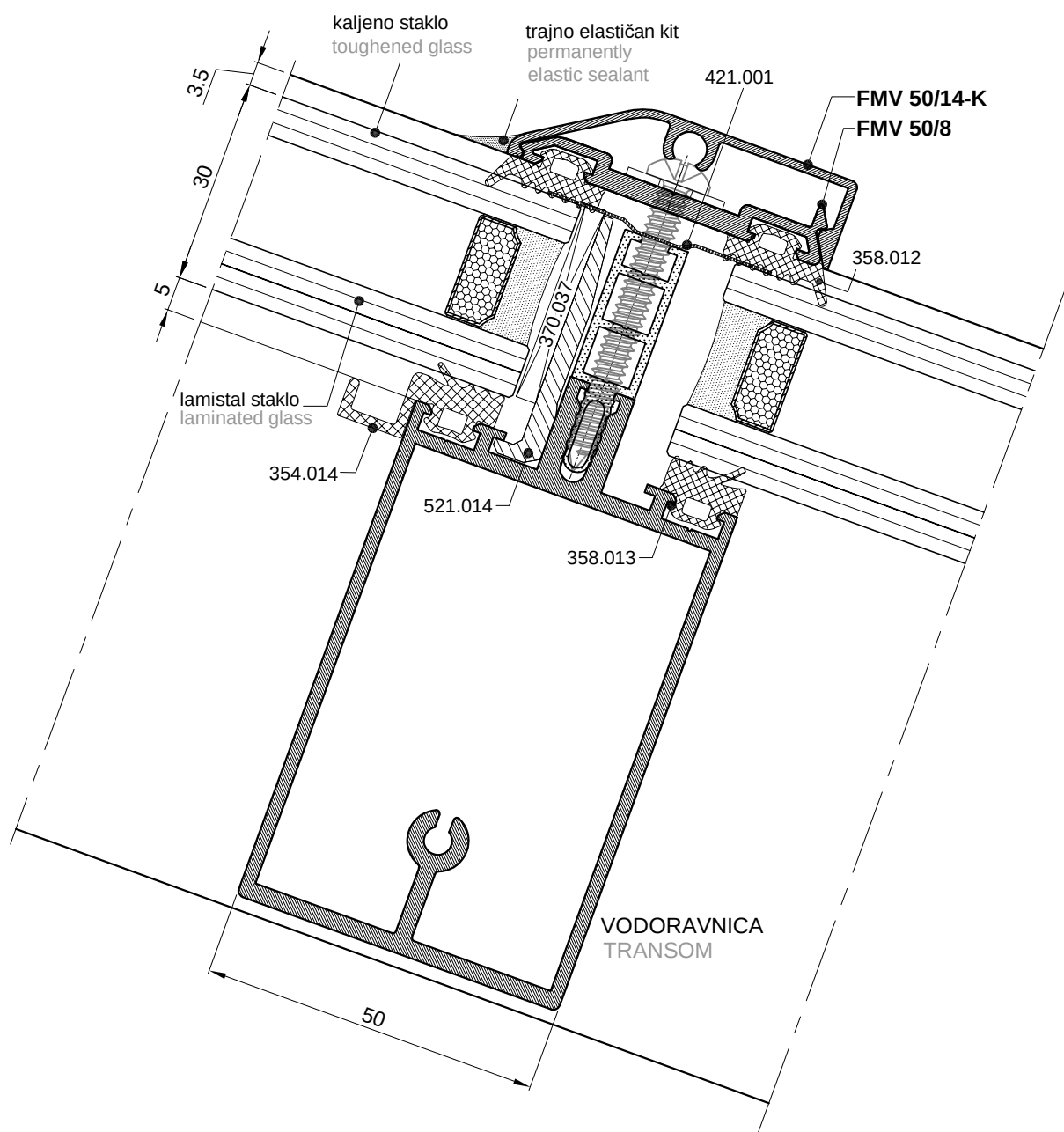
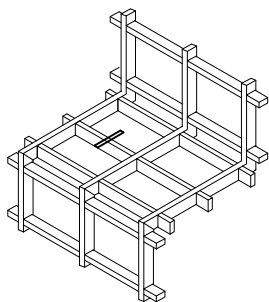
STRUCTURAL SEALANT THICKNESS min 6mm

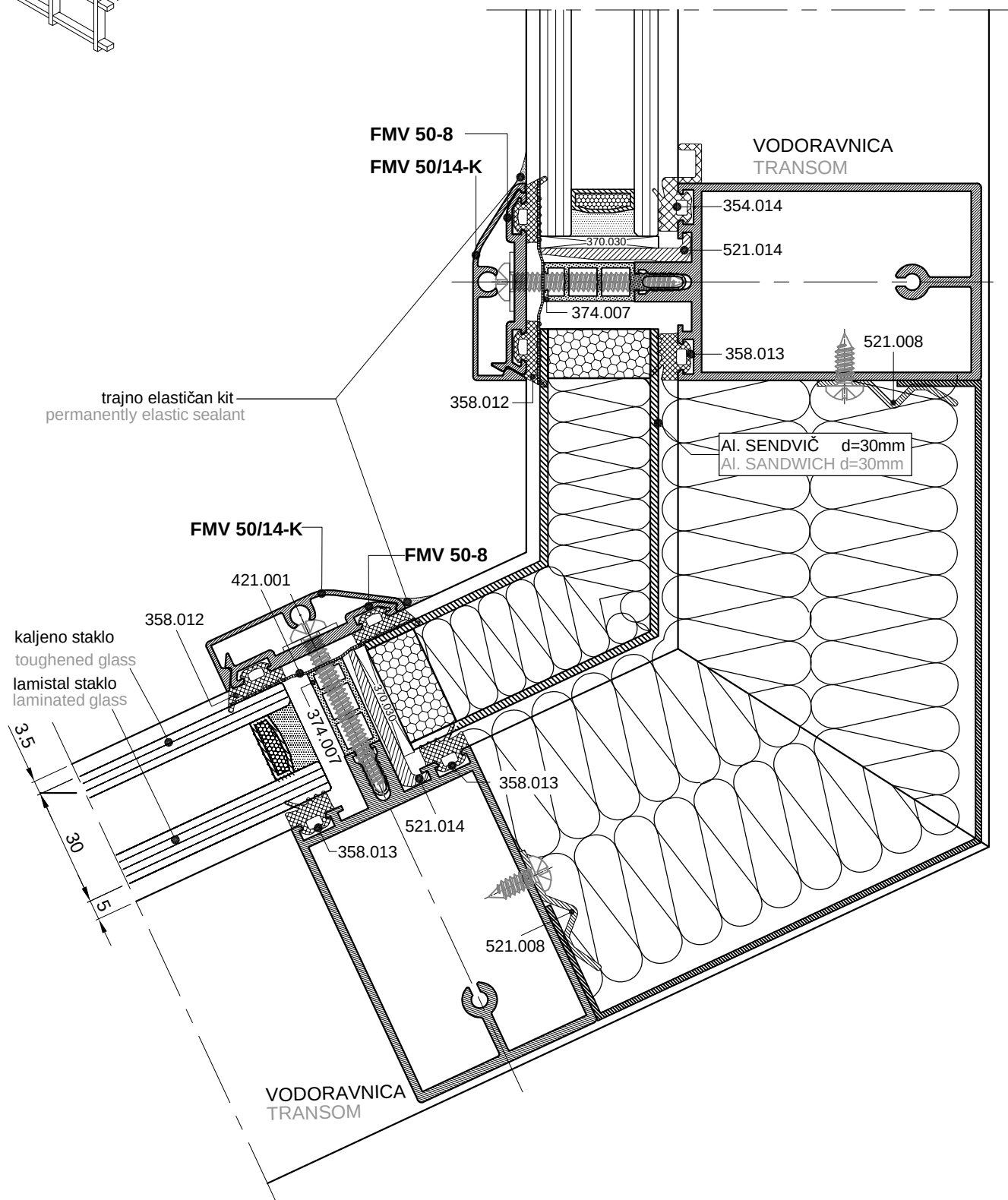
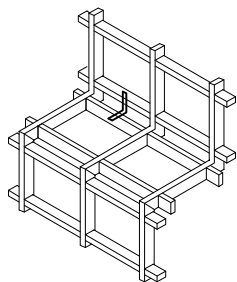


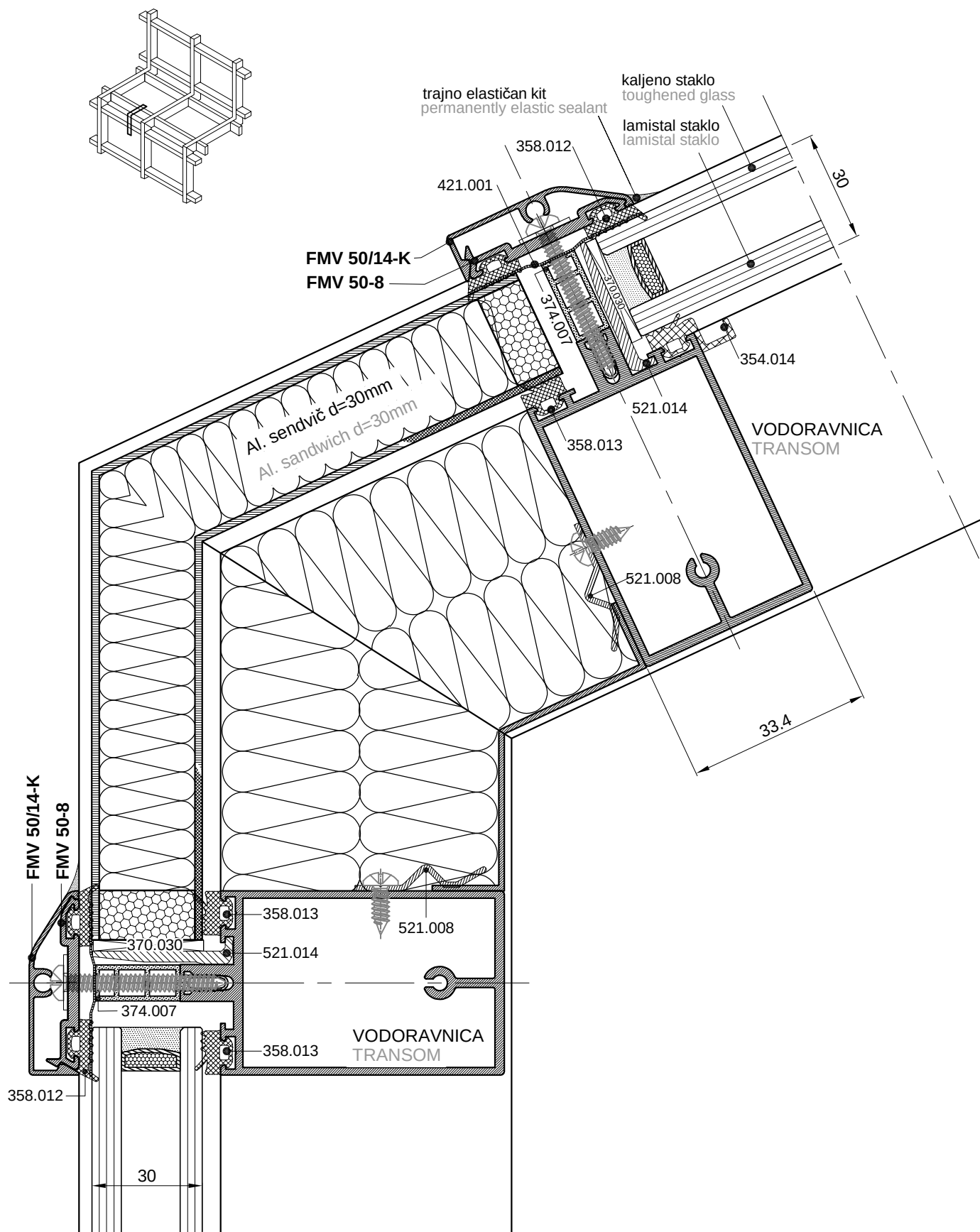
DEBLJINA STRUKTURALNOG KITA min 6mm

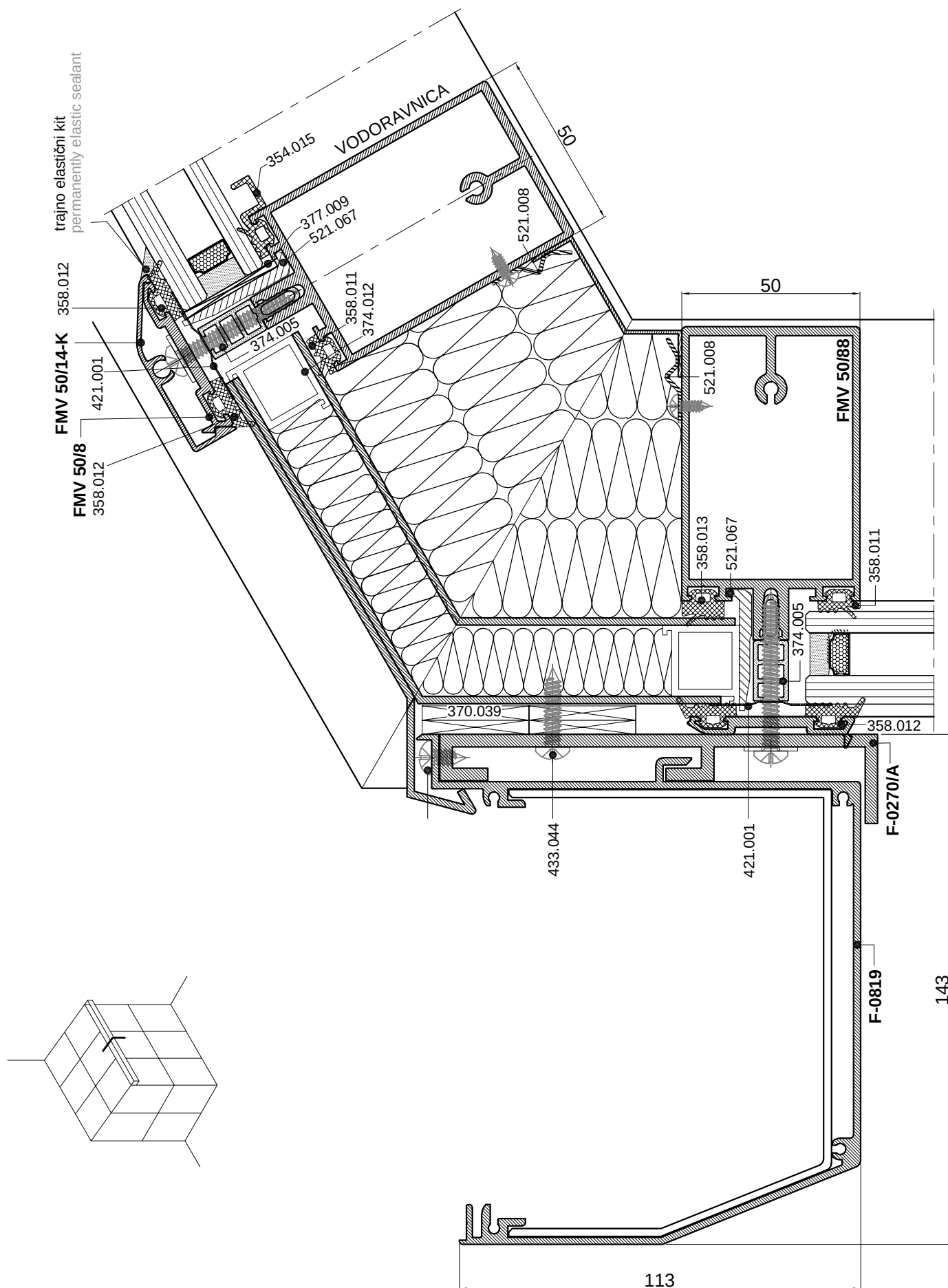
STRUCTURAL SEALANT THICKNESS min 6mm

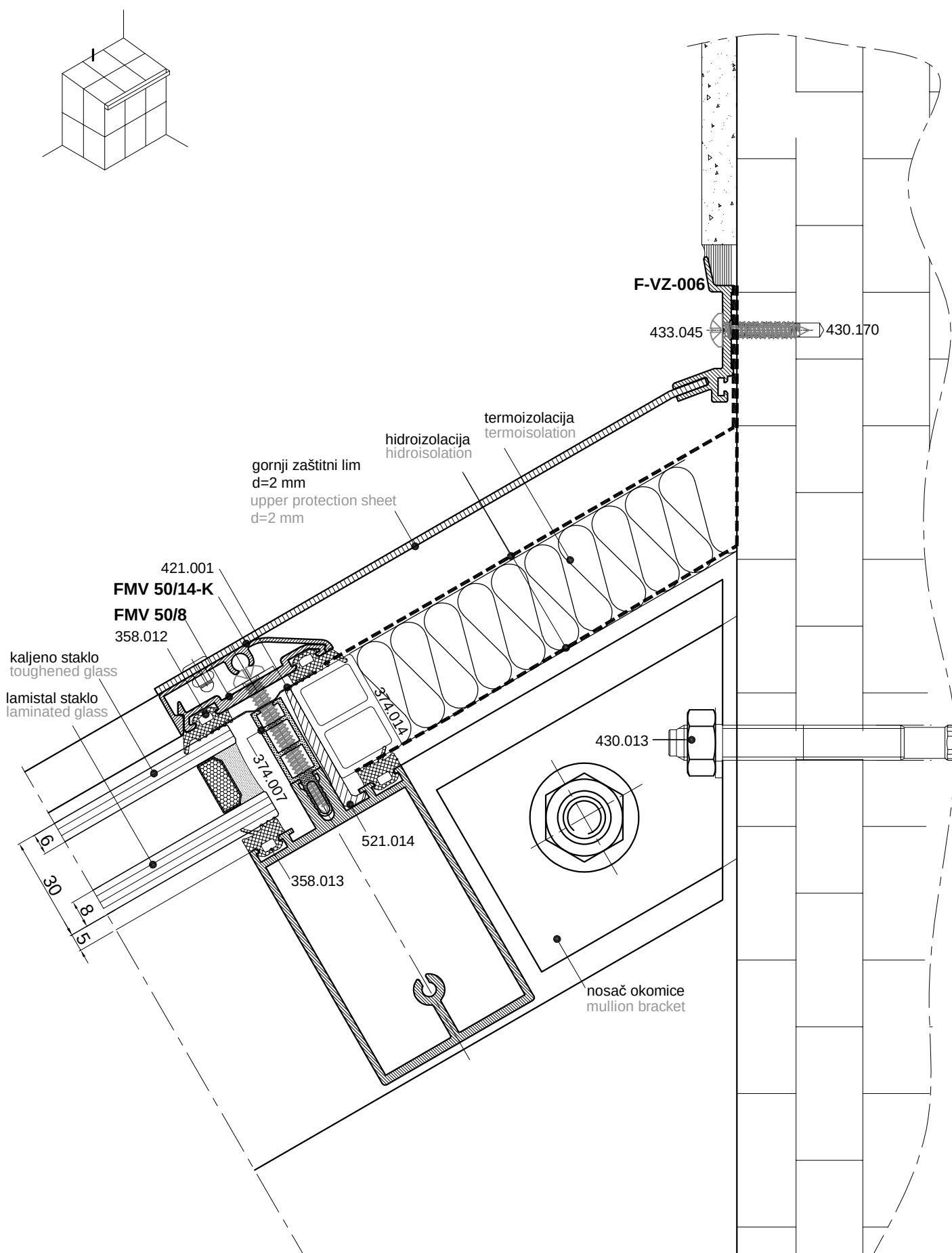


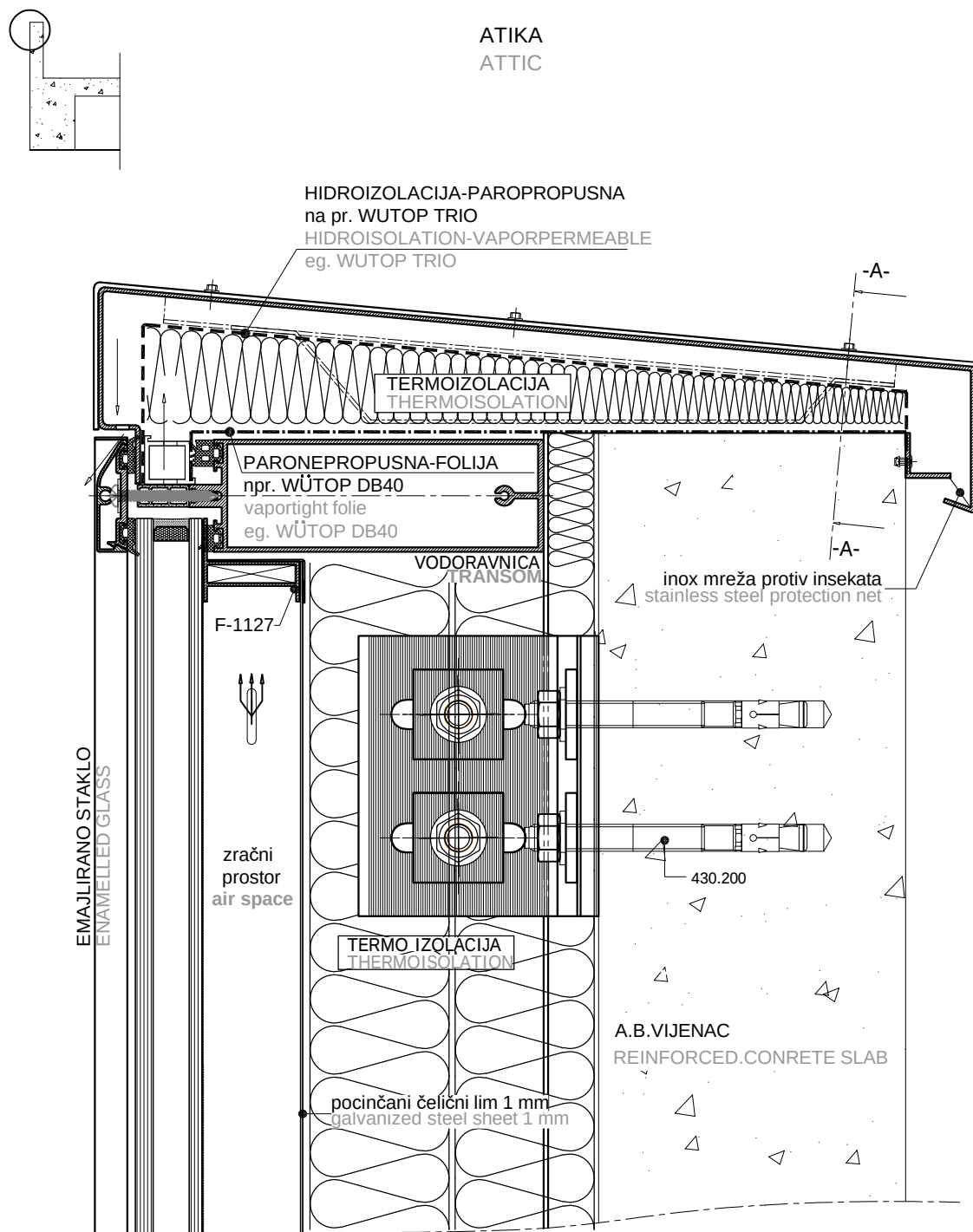




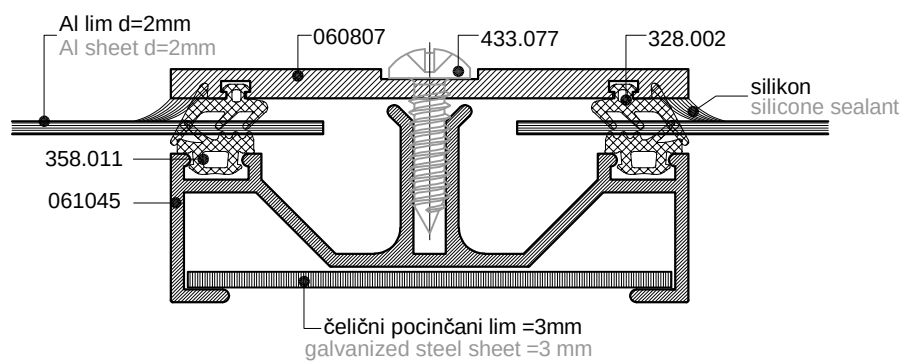


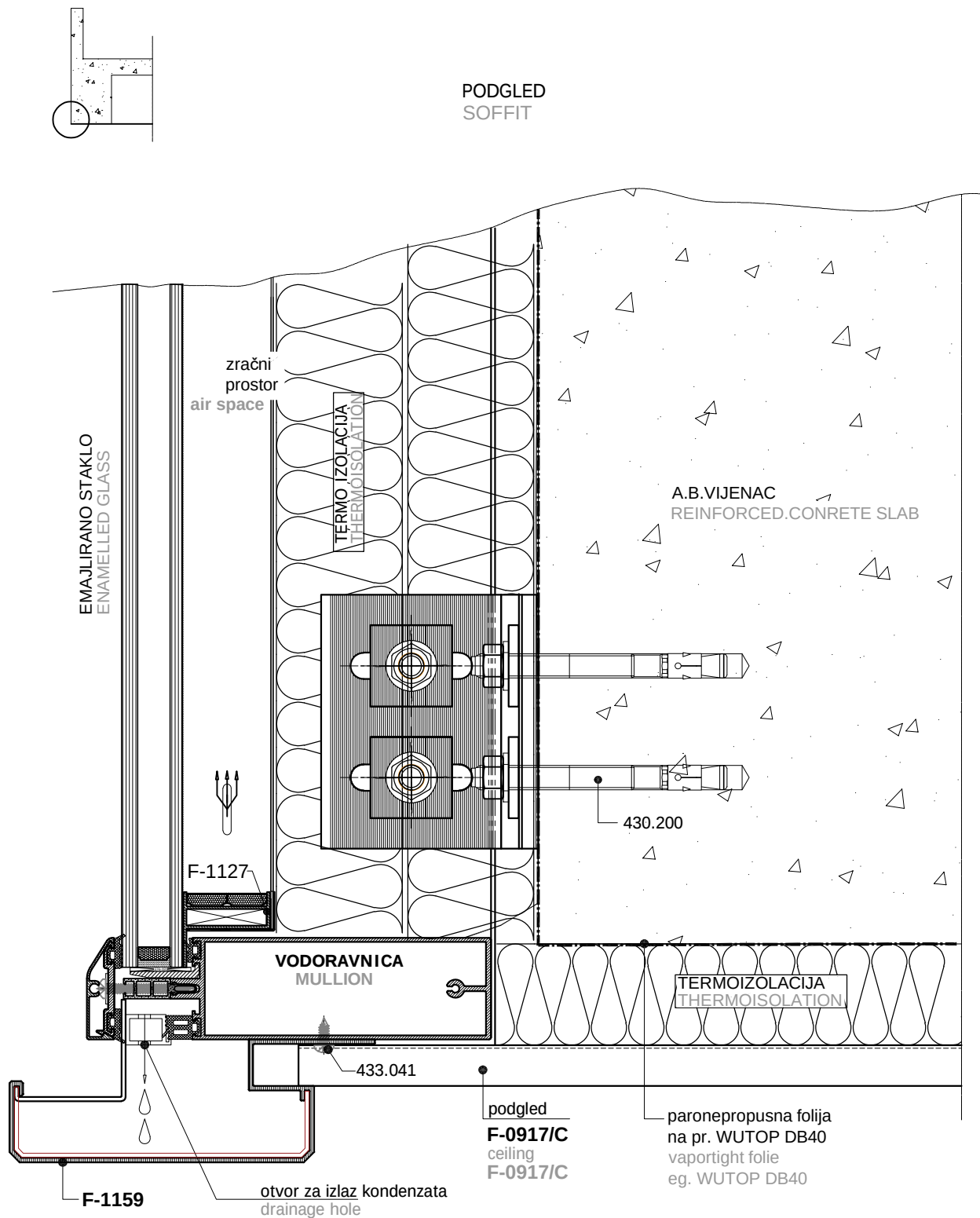


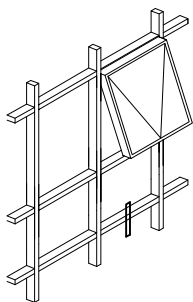




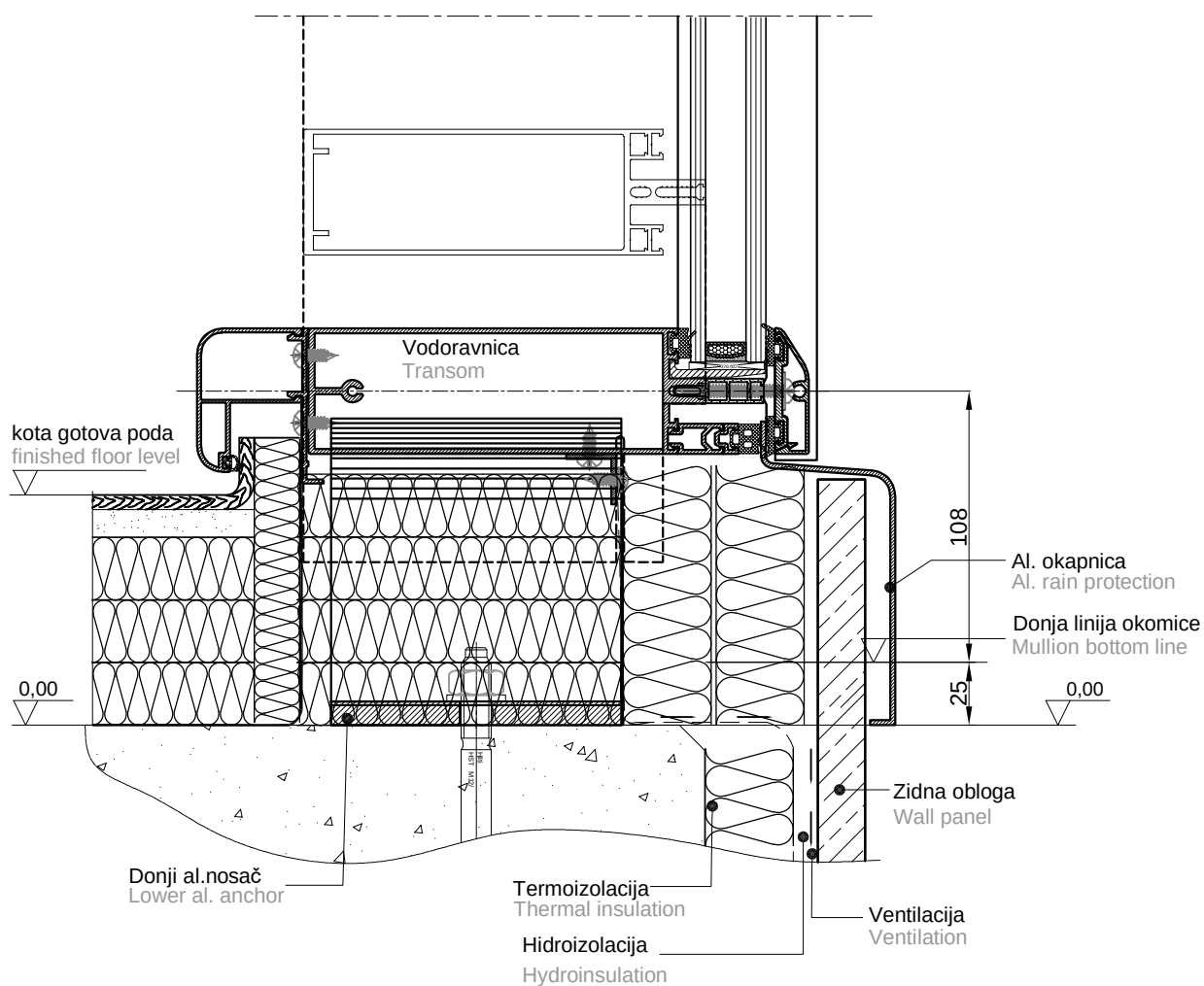
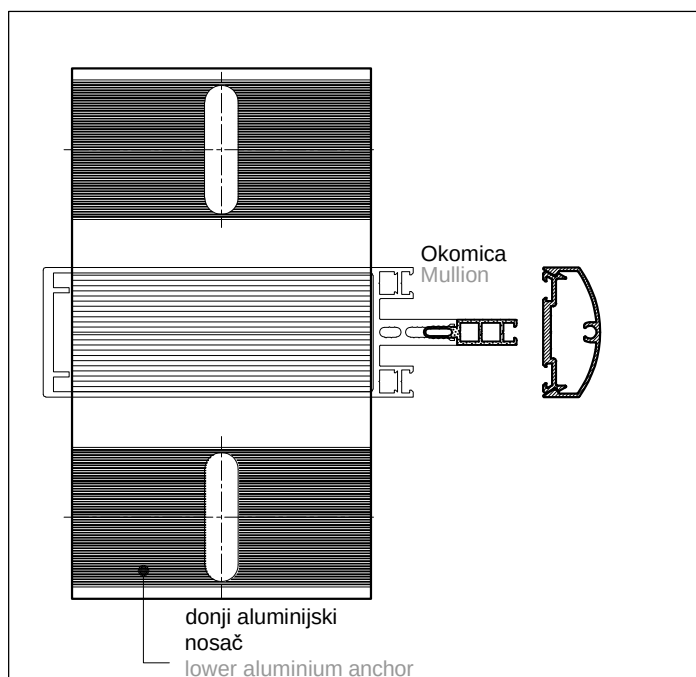
PRESJEK A-A

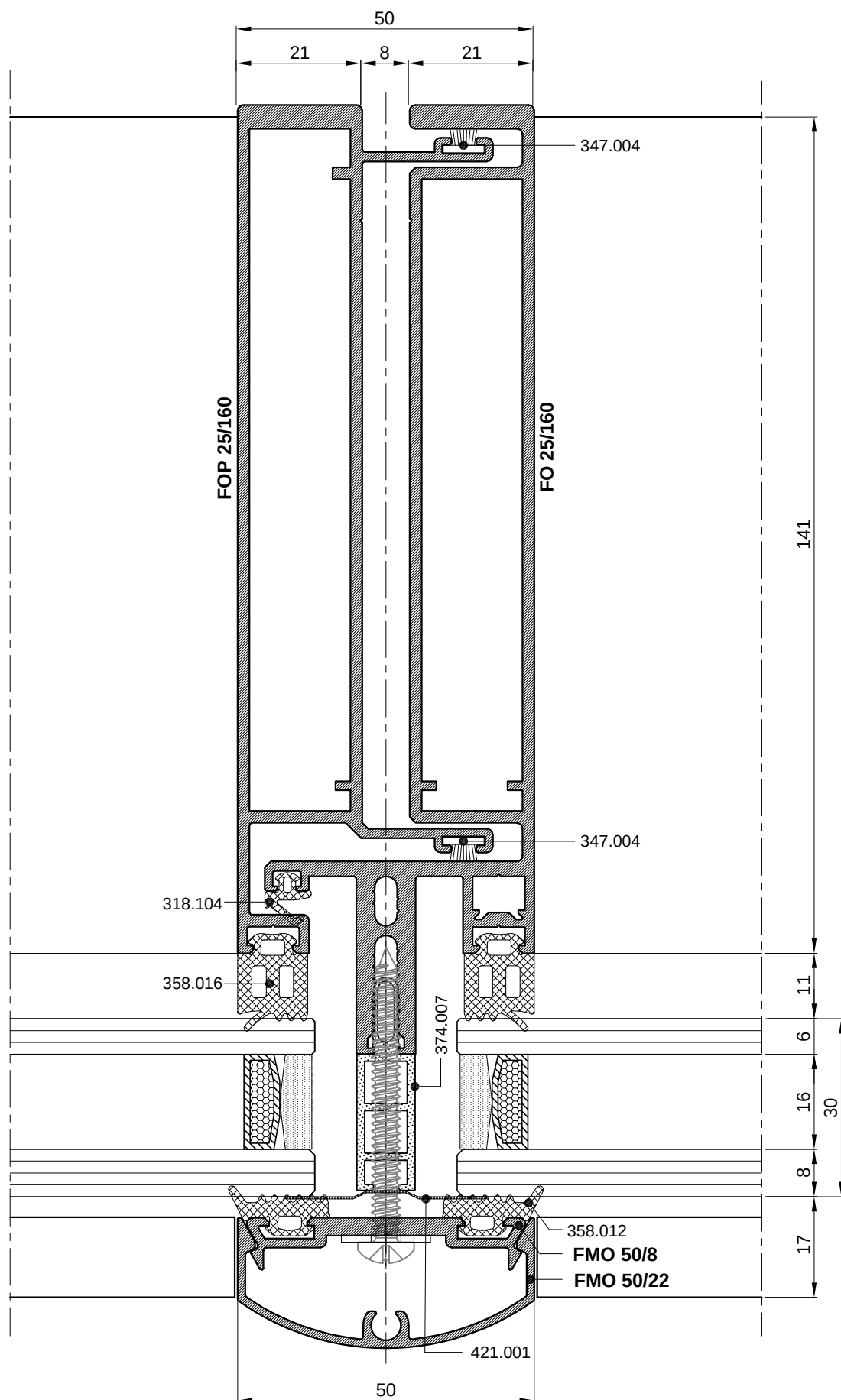
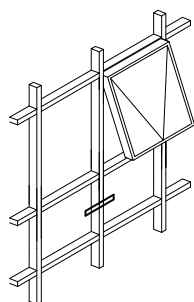


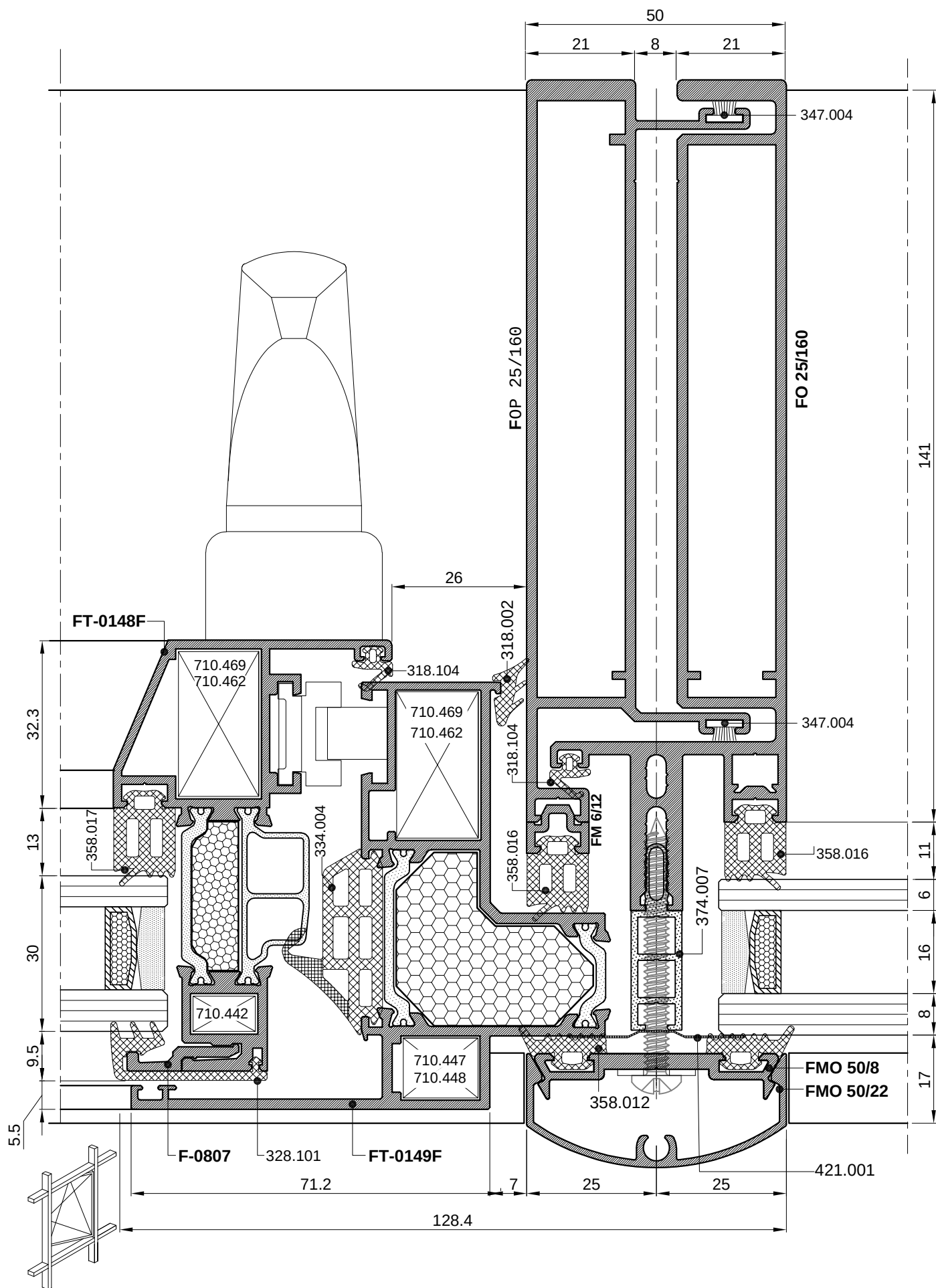


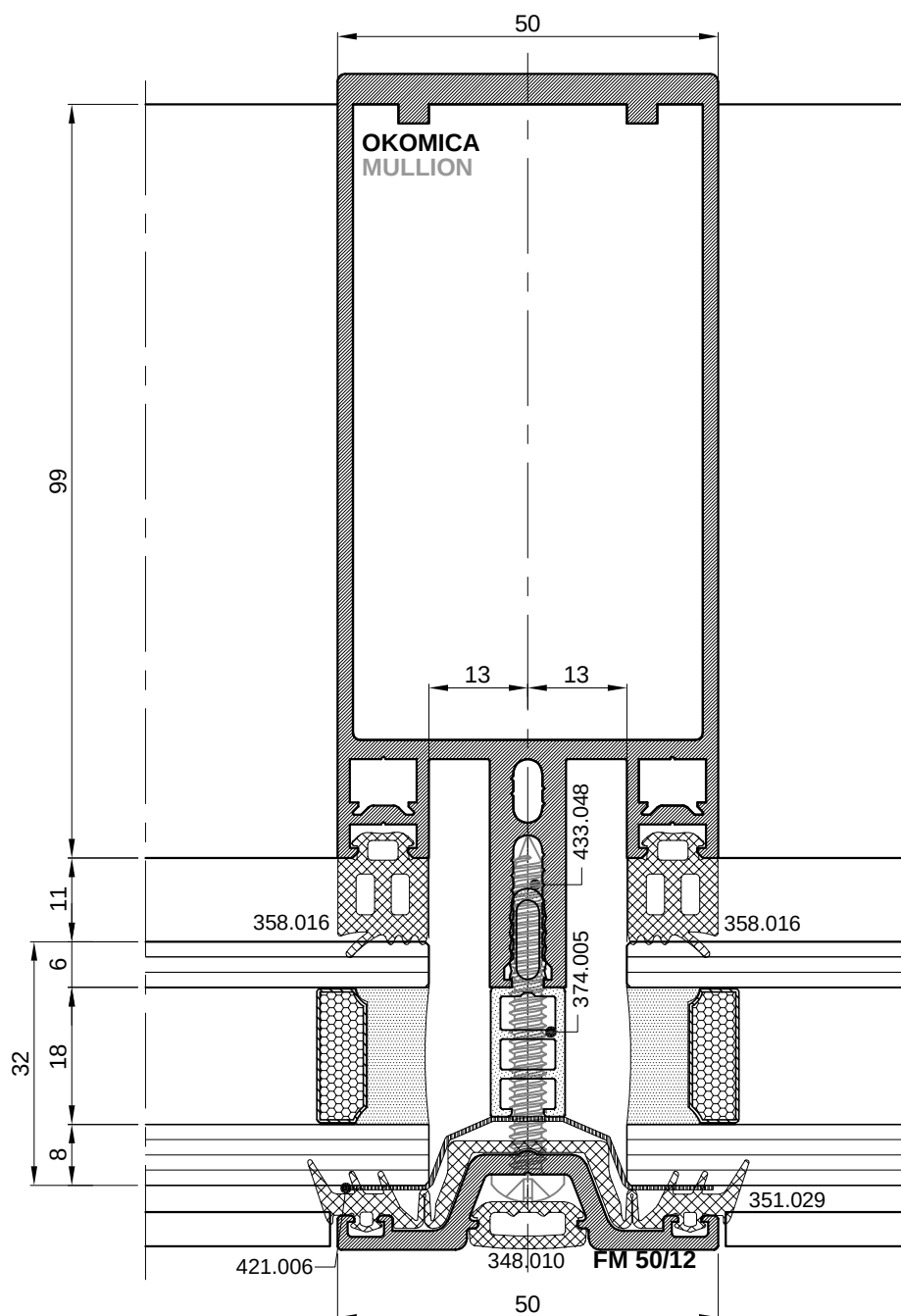
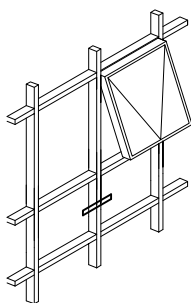


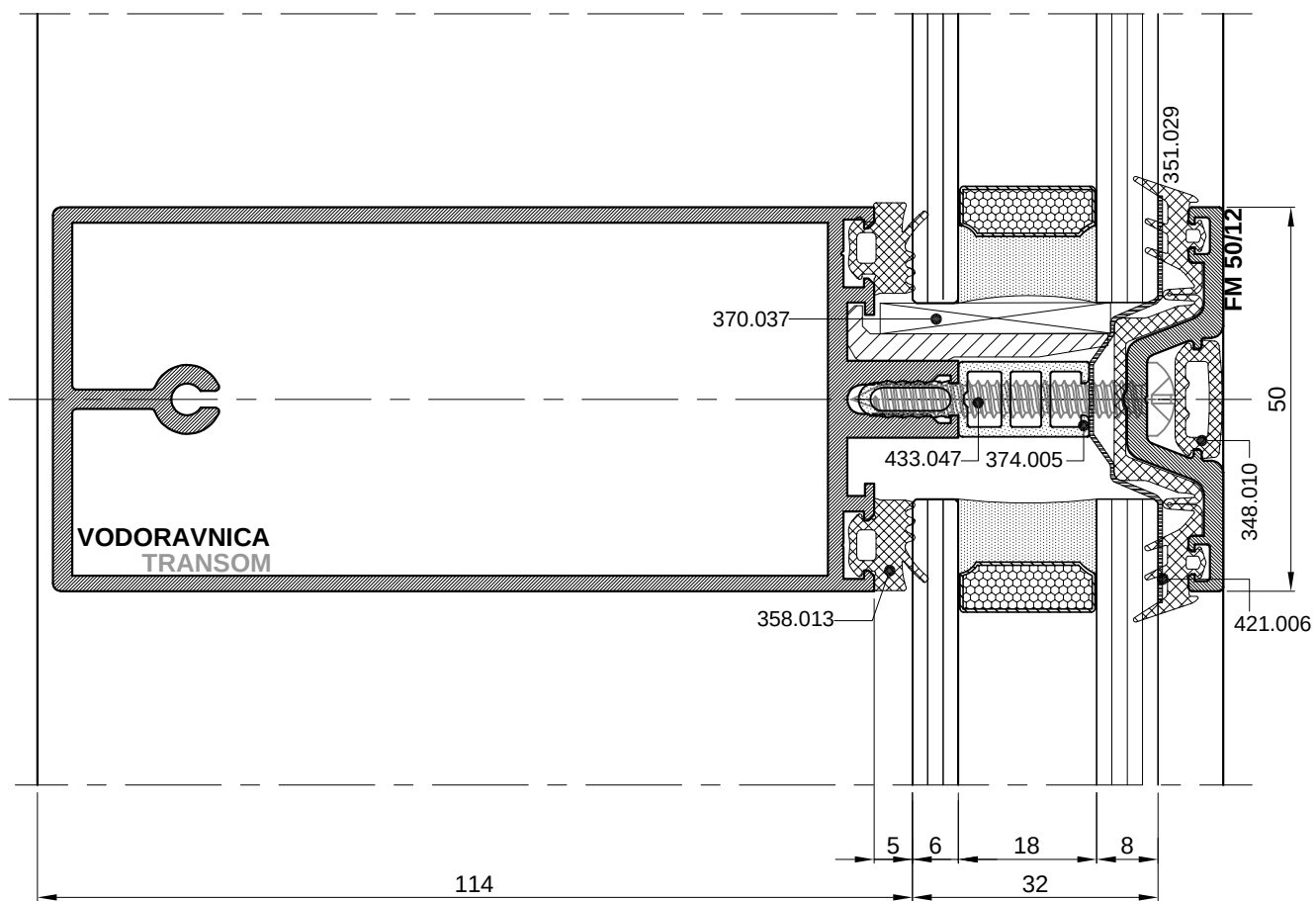
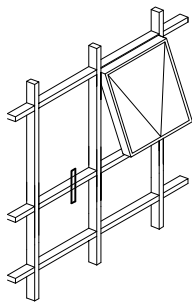
Fasada na
parapetu kota 0,00
Facade
ground floor level 0,00

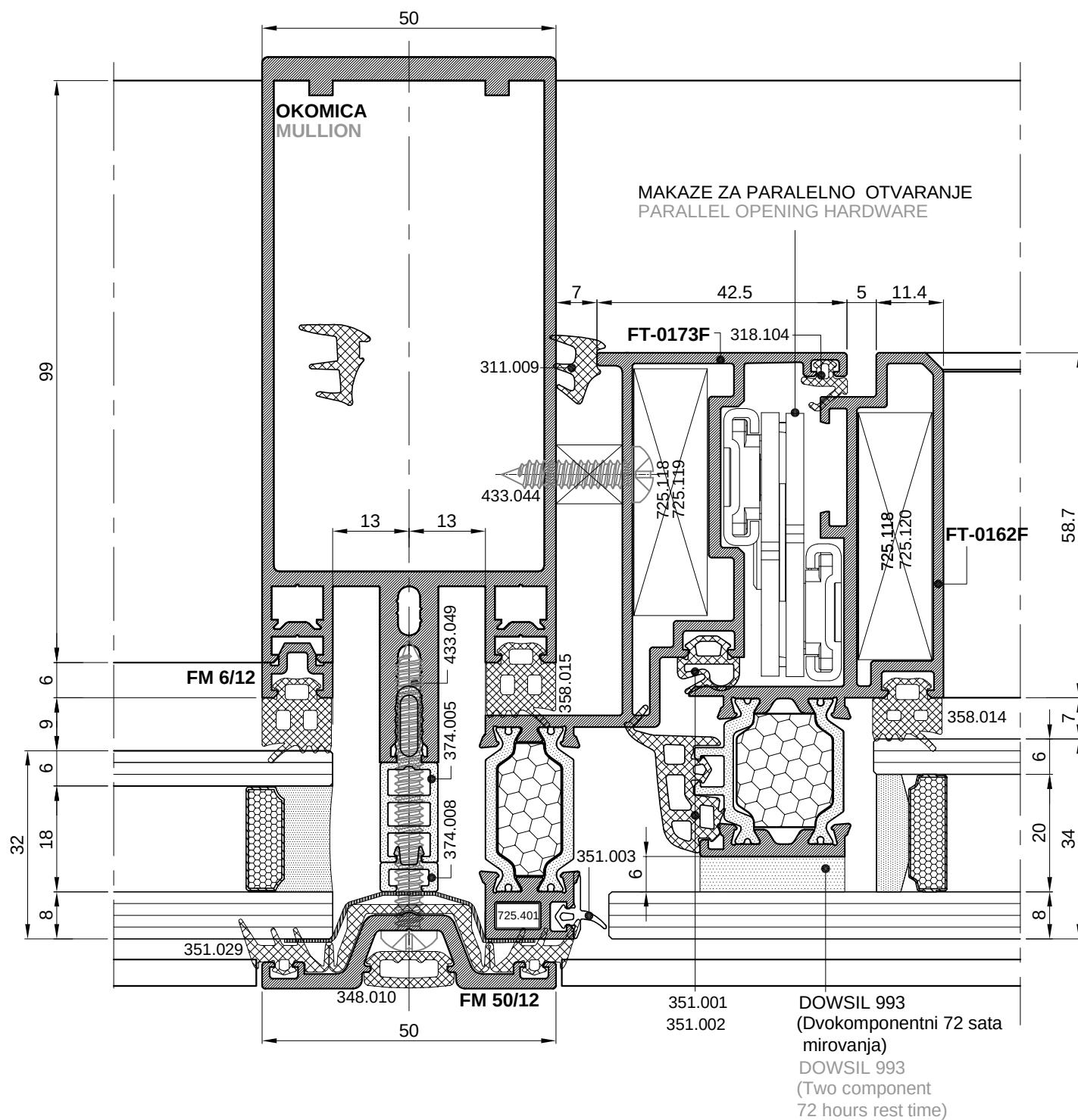
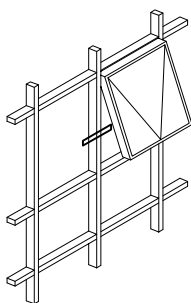


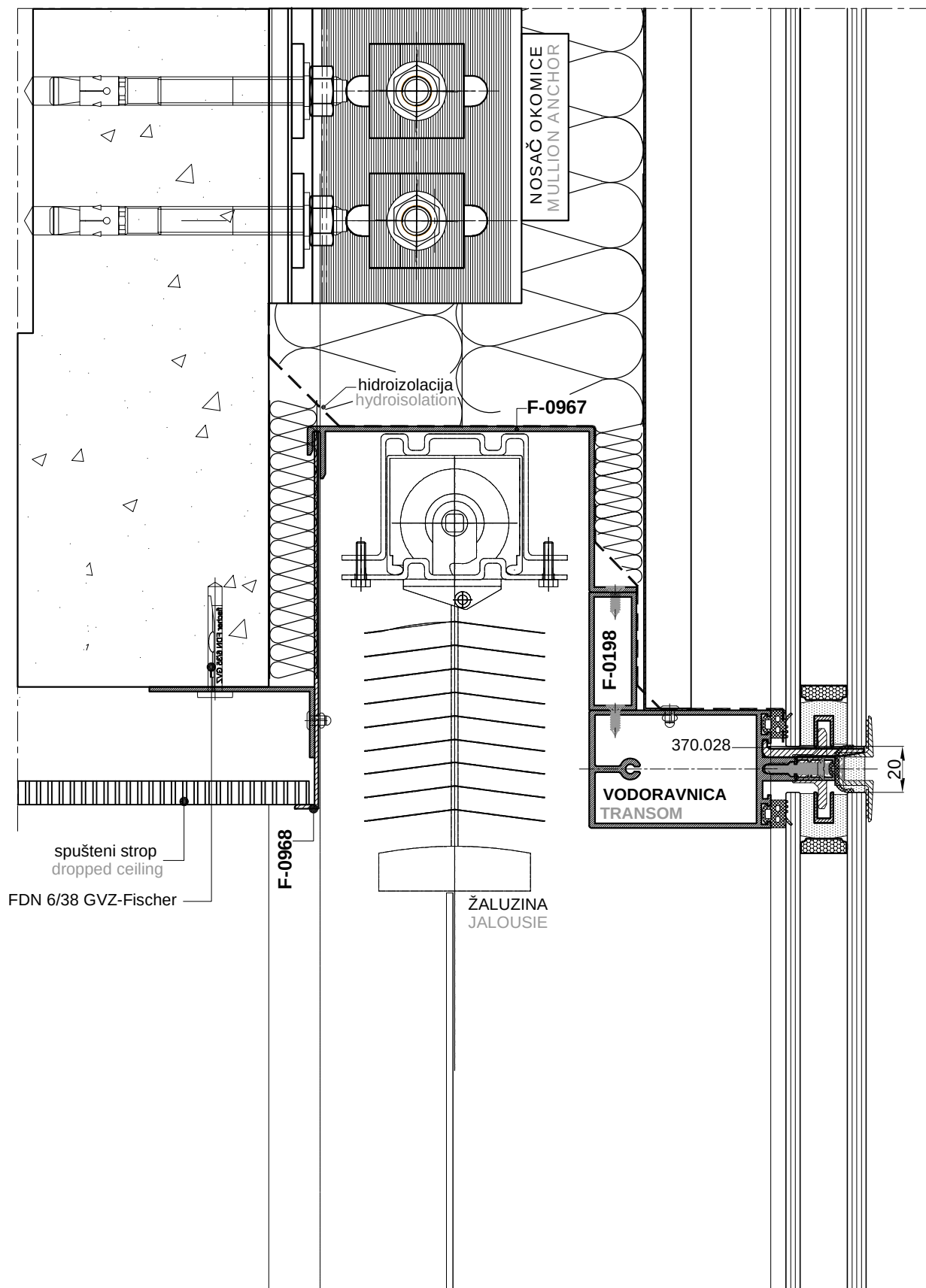


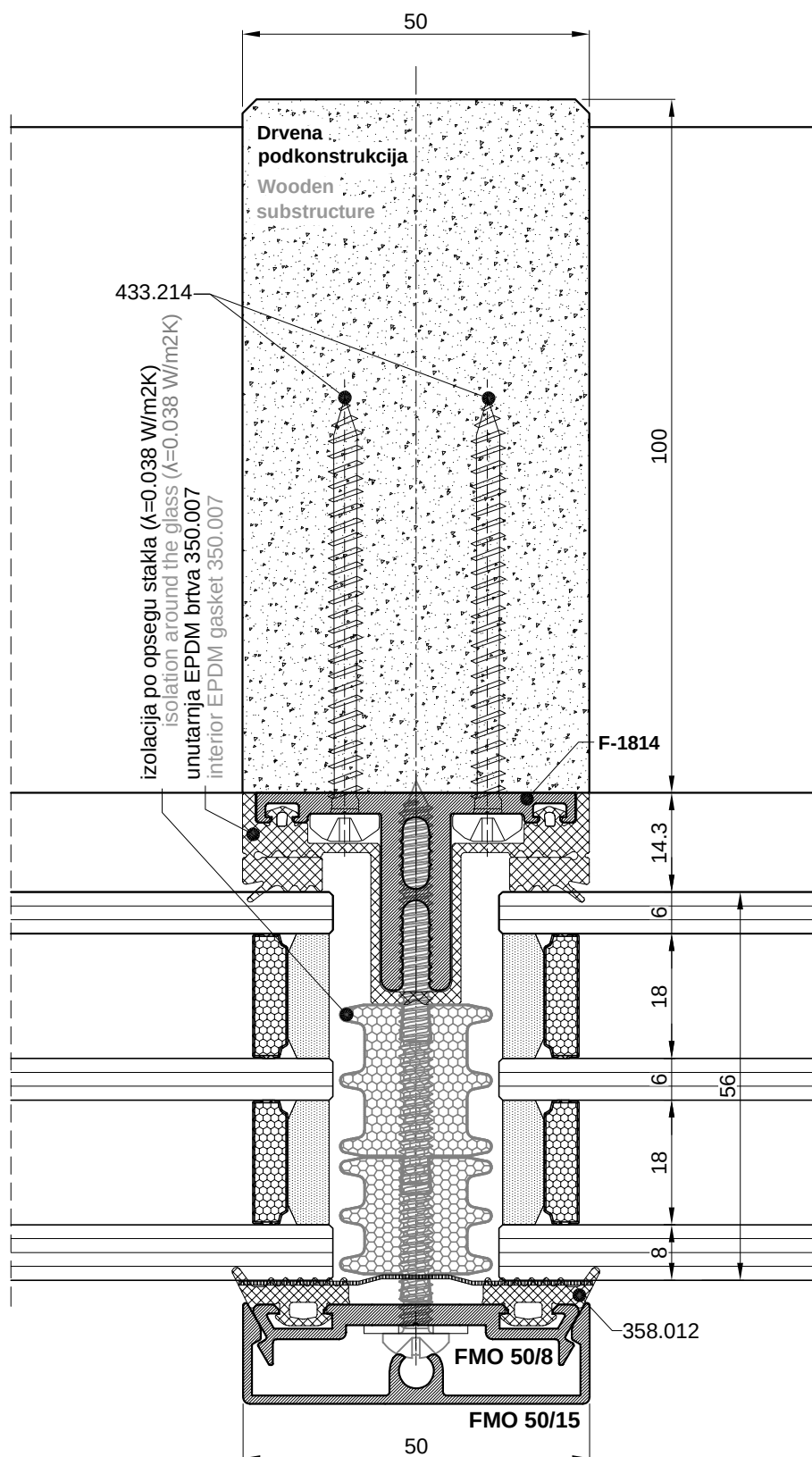
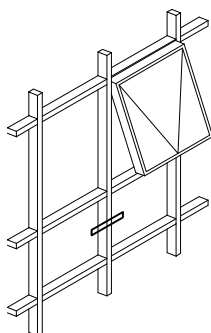


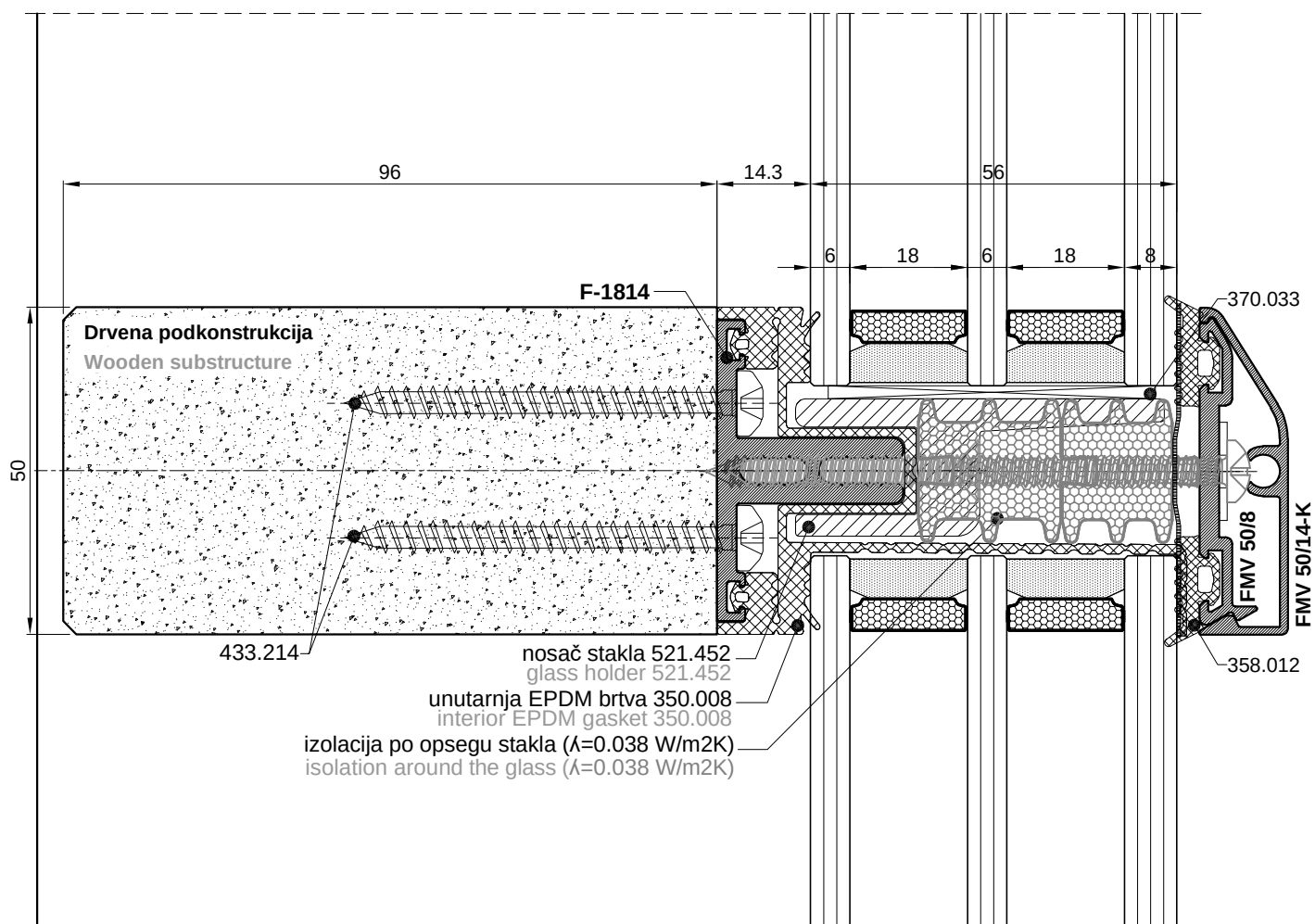
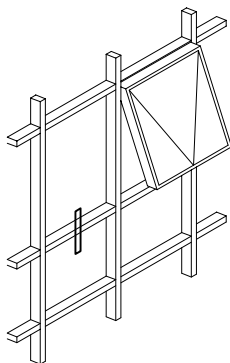


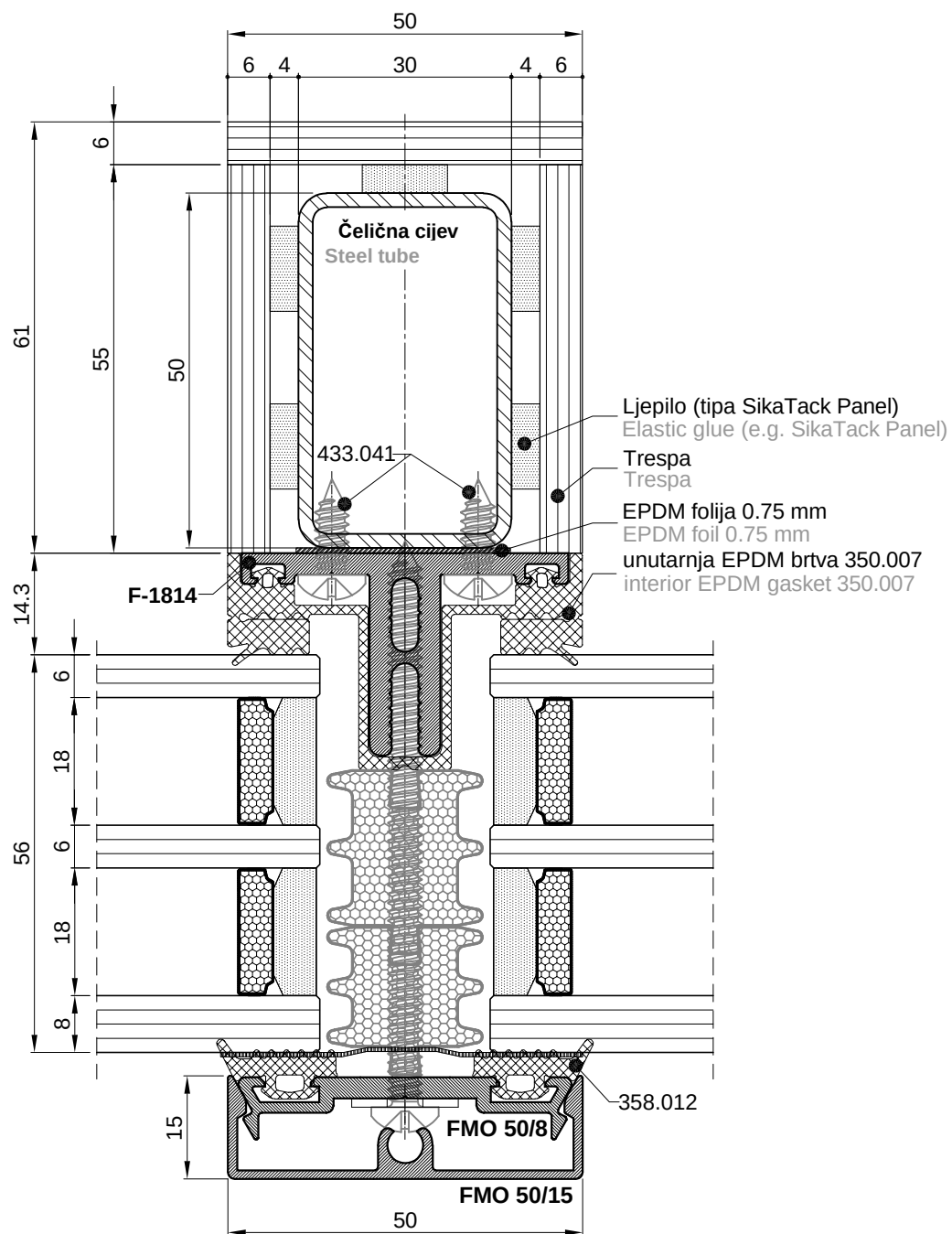
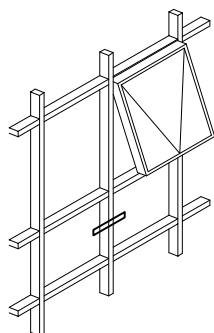


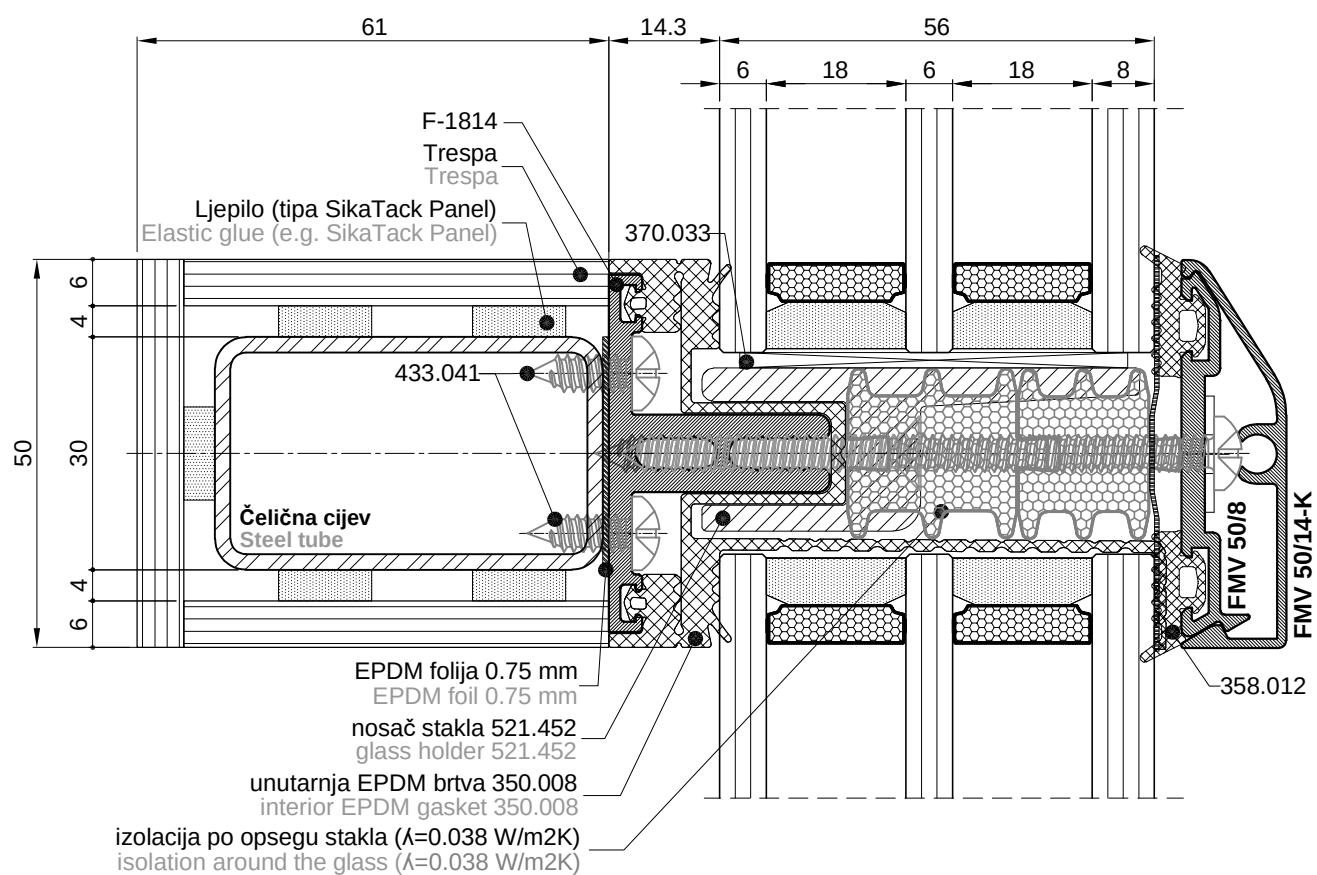
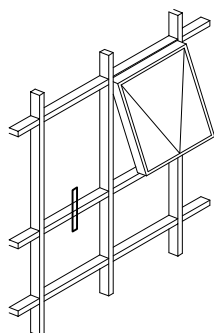






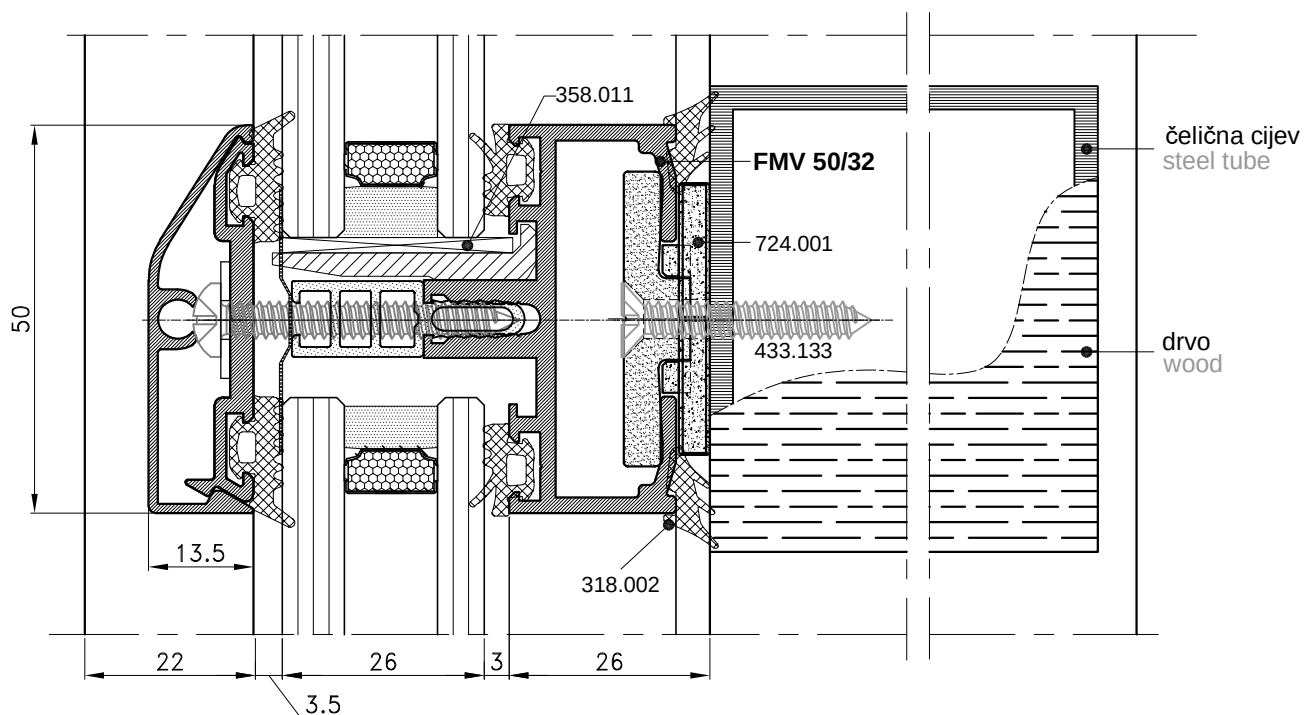
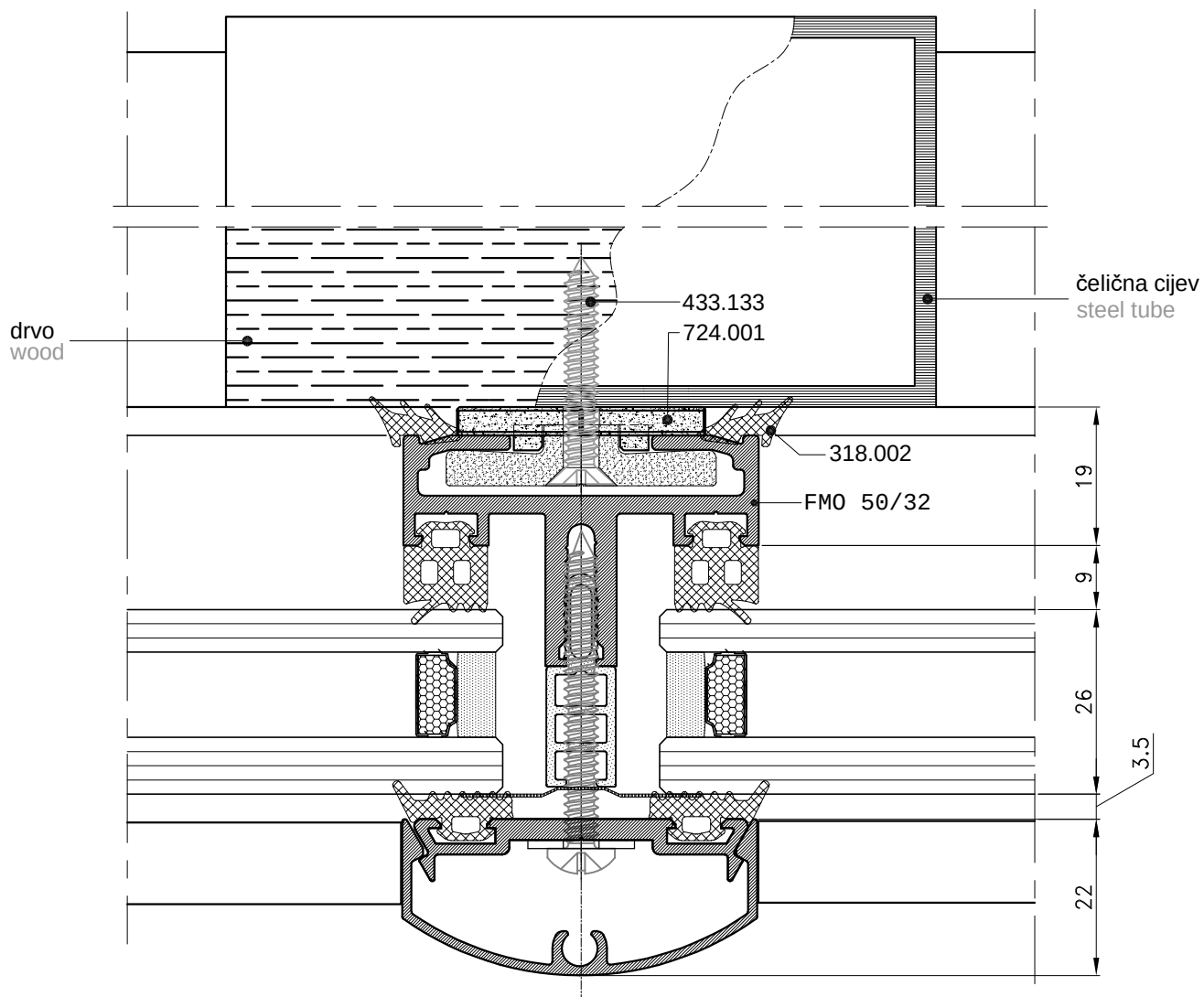


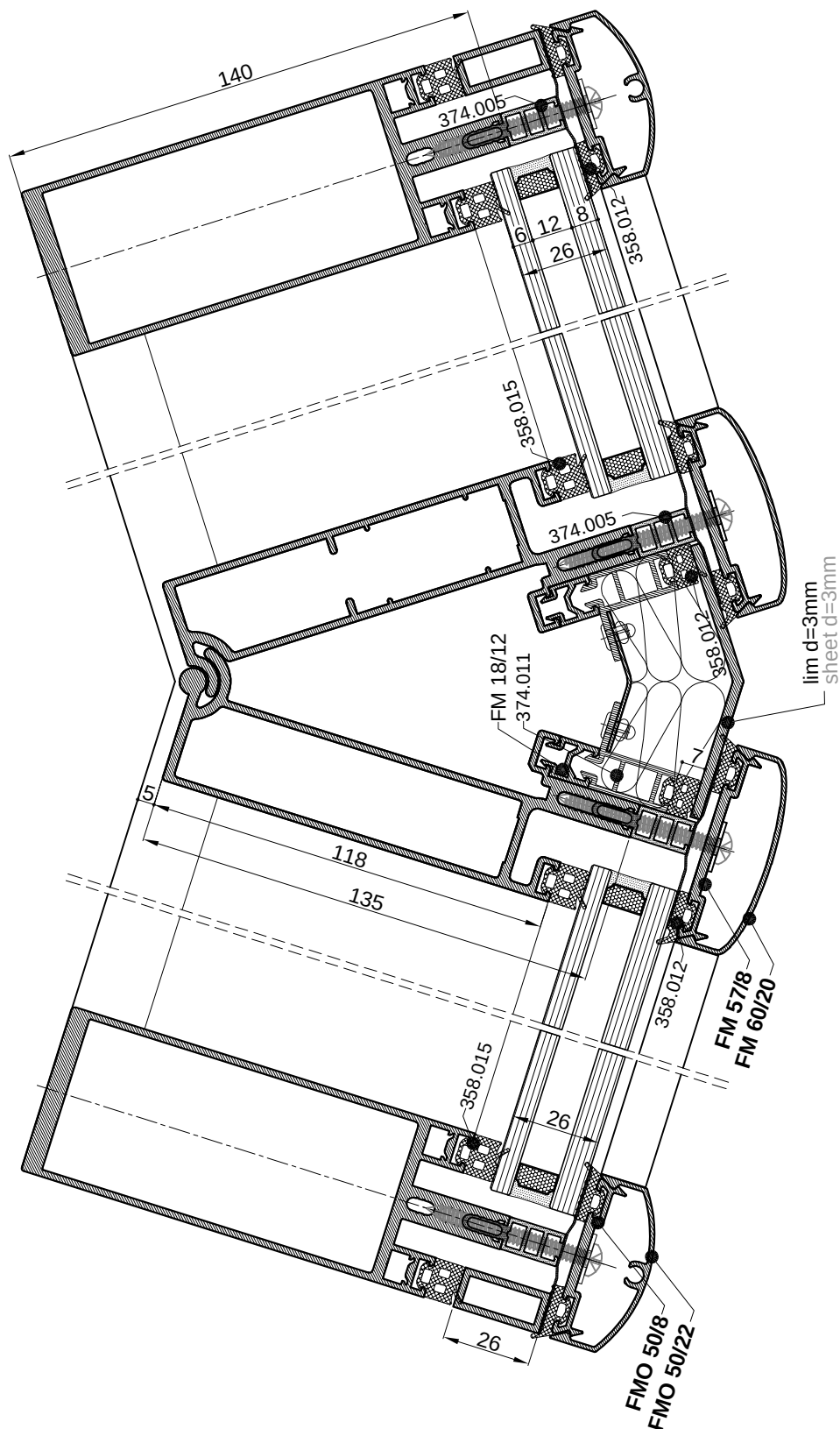
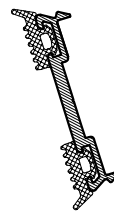
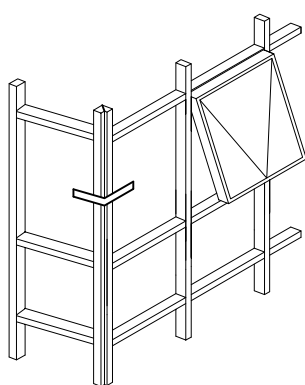




Fasada 50 FK na čeličnoj/drvenoj podkostrukciji

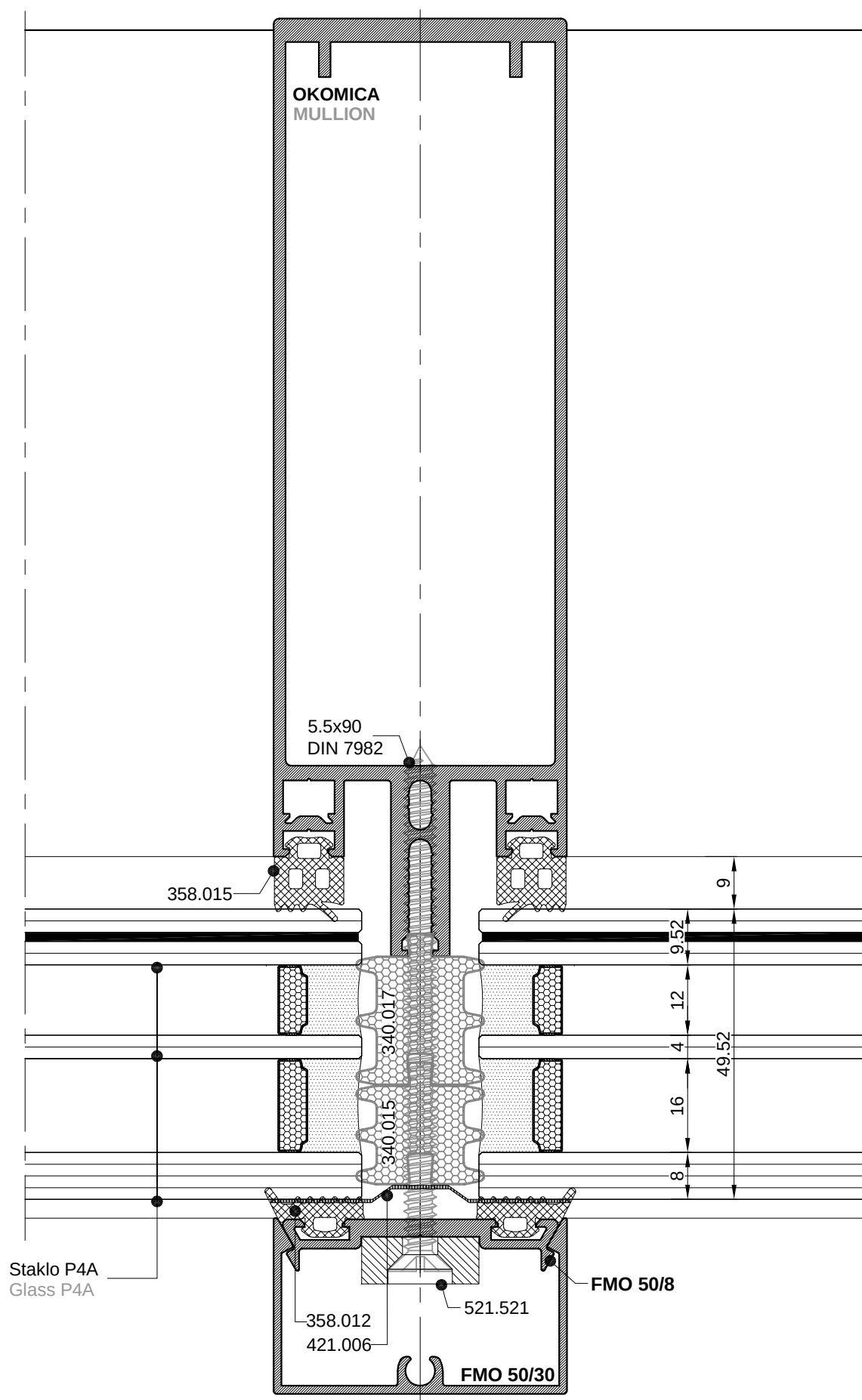
Fasada 50 FK on steel/wood substructure



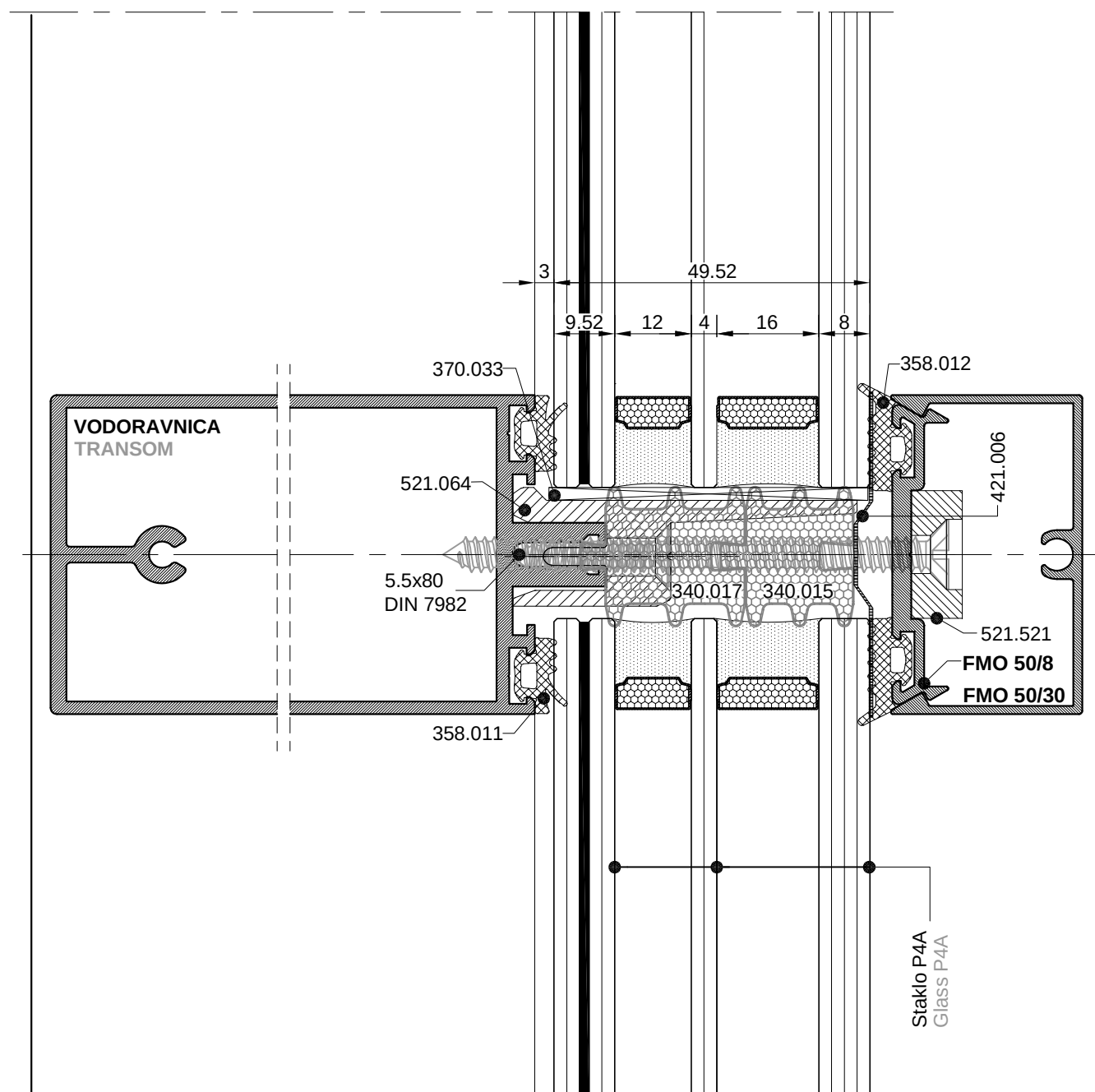


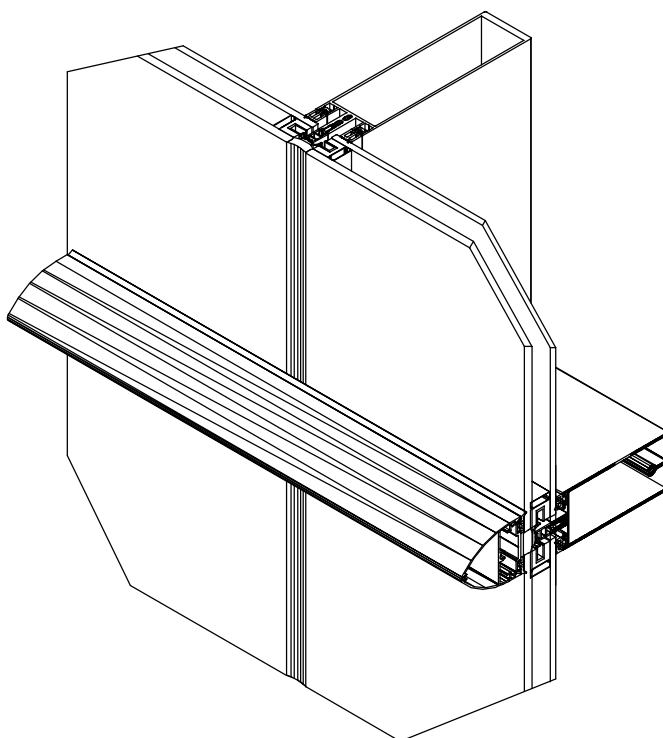
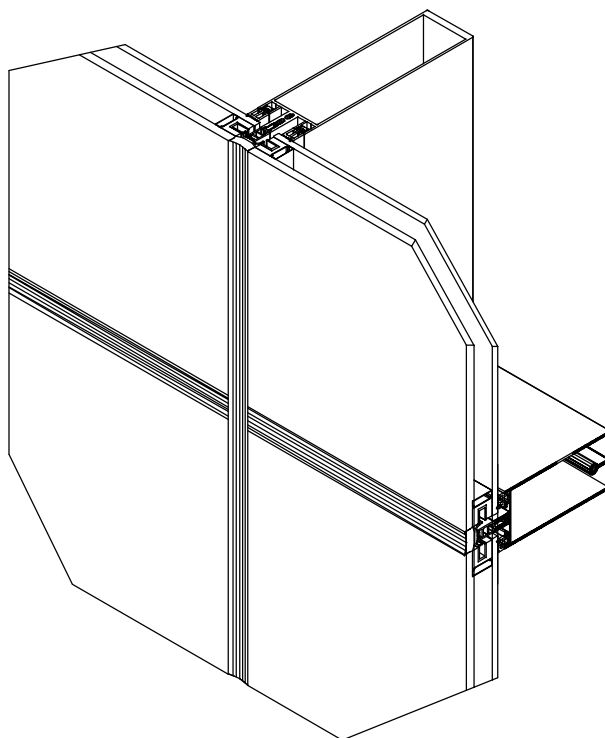
PROTUPROVALNOST RAZRED RC2

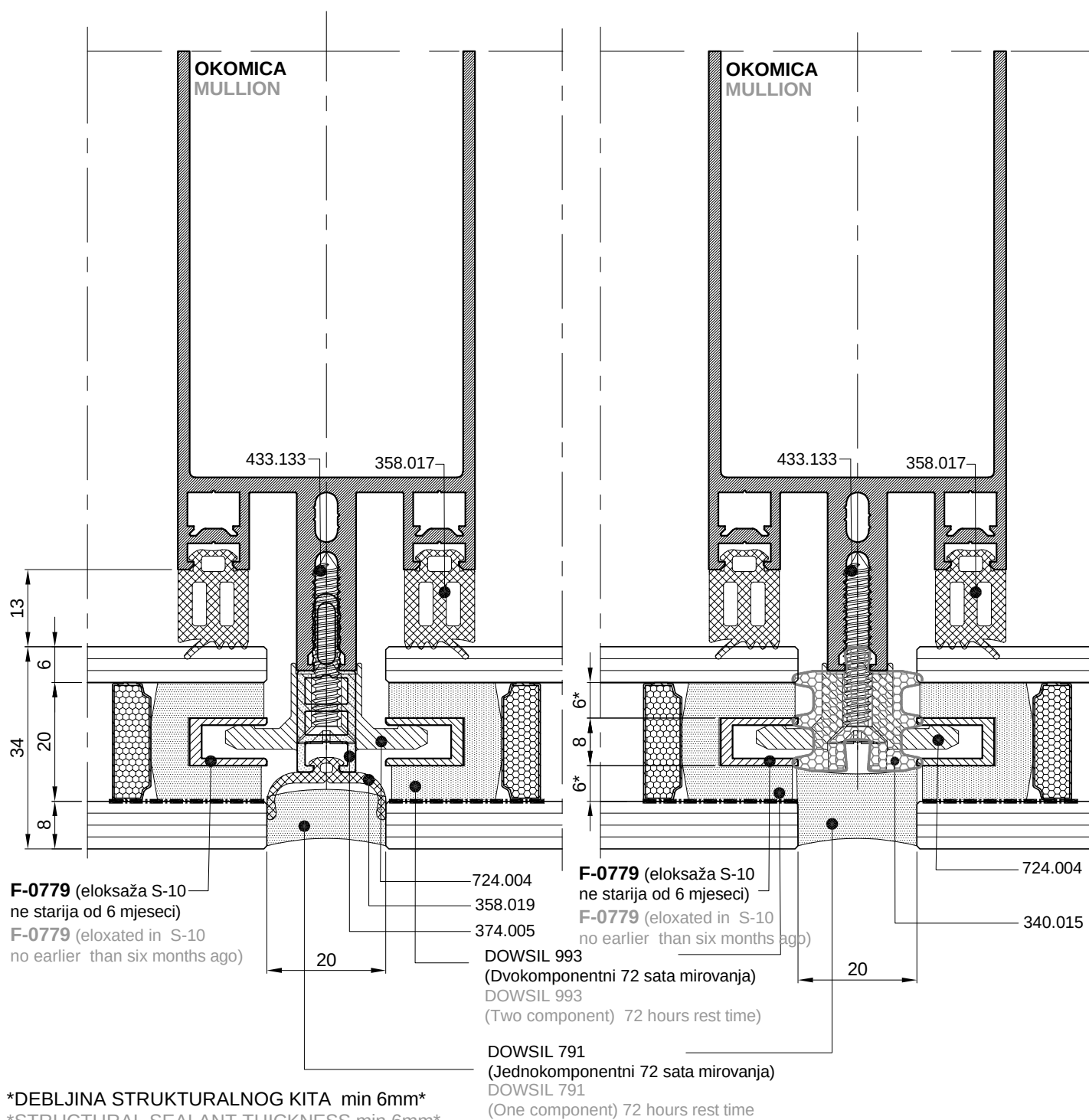
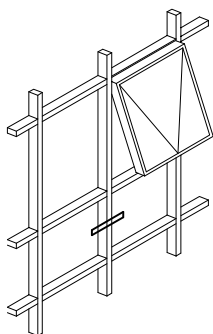
PROTECTION AGAINST BURGLARY CLASS RC2

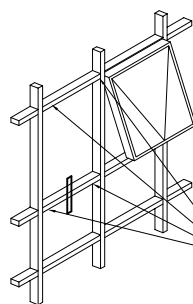


PROTUPROVALNI DIO FASADE RAZRED RC2
PROTECTION AGAINST BURGLARY CLASS RC2



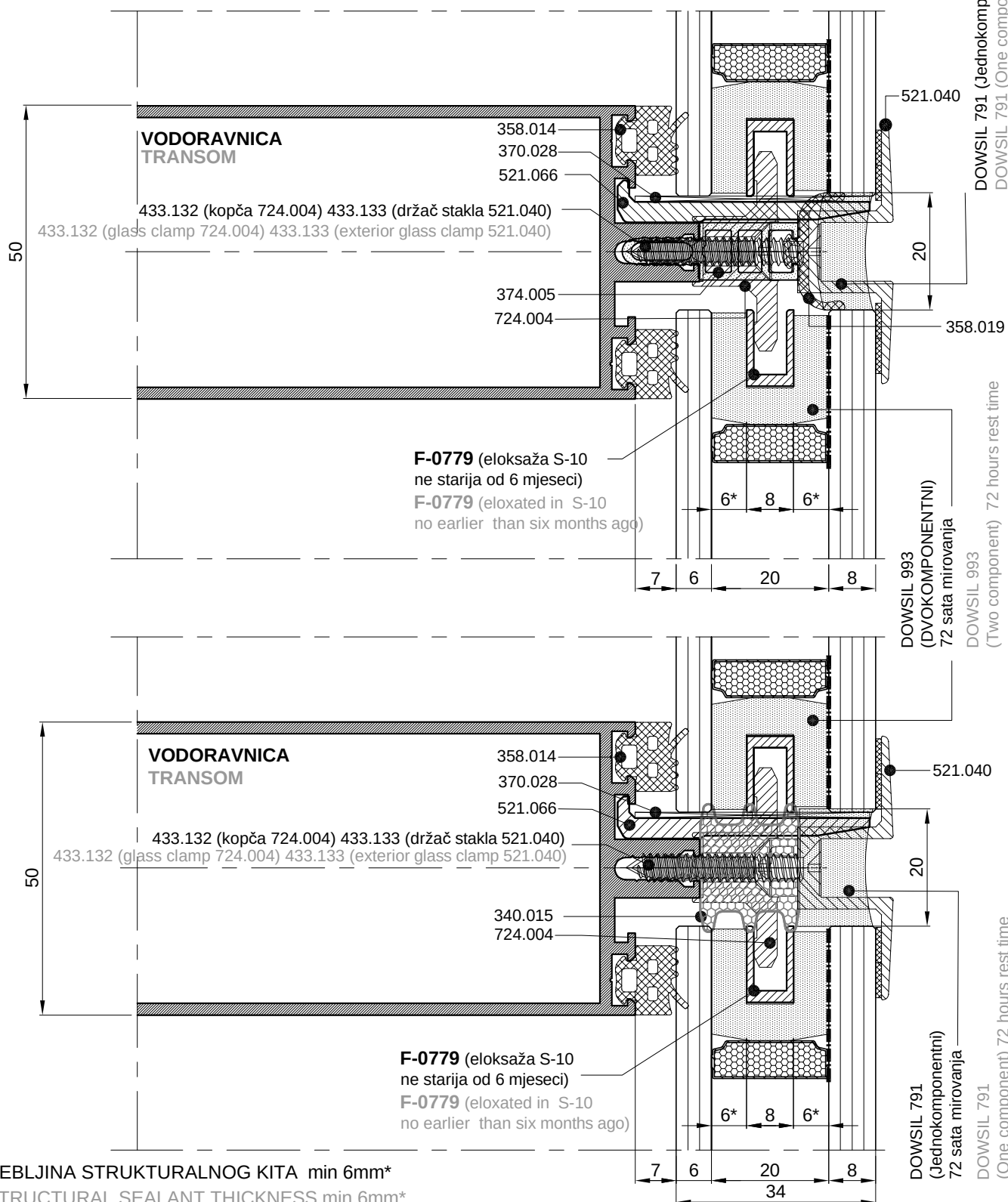






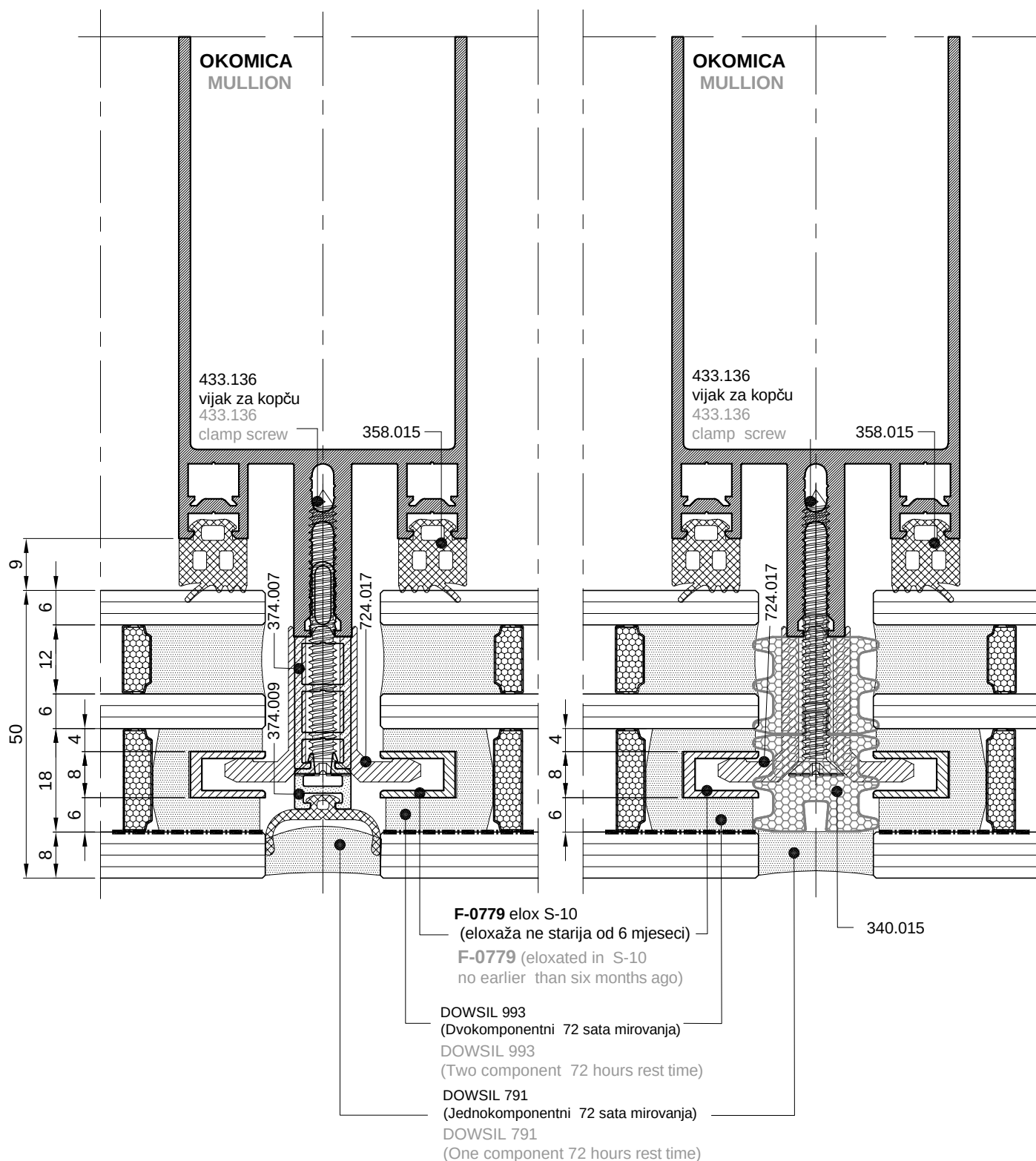
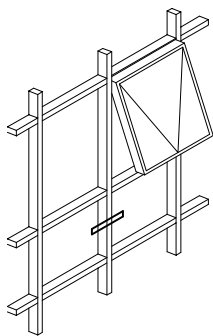
521.040-držač vanjskog fiksnog stakla
(četiri po staklu)

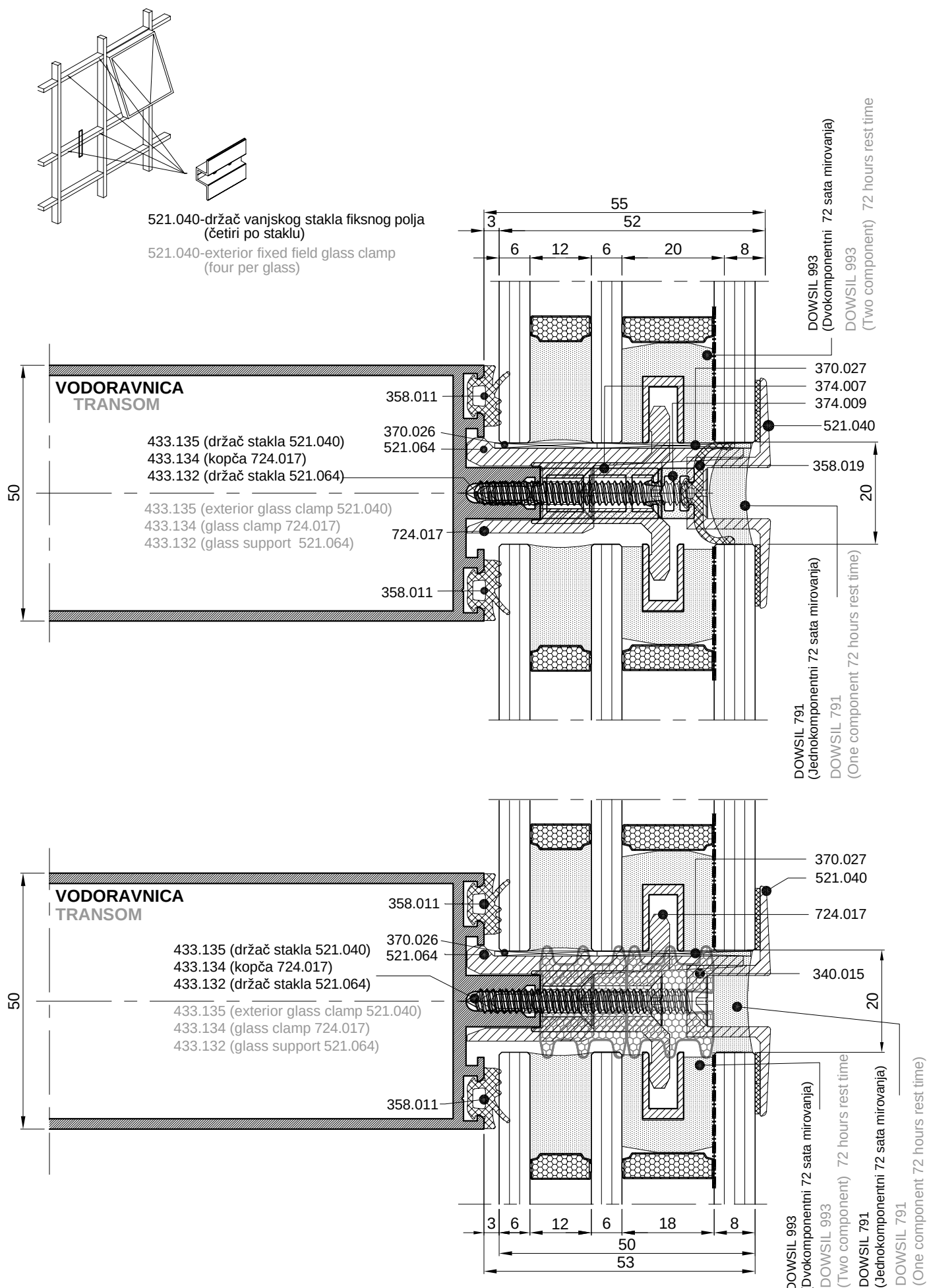
521.040-exterior fixed field glass clamp
(four per glass)

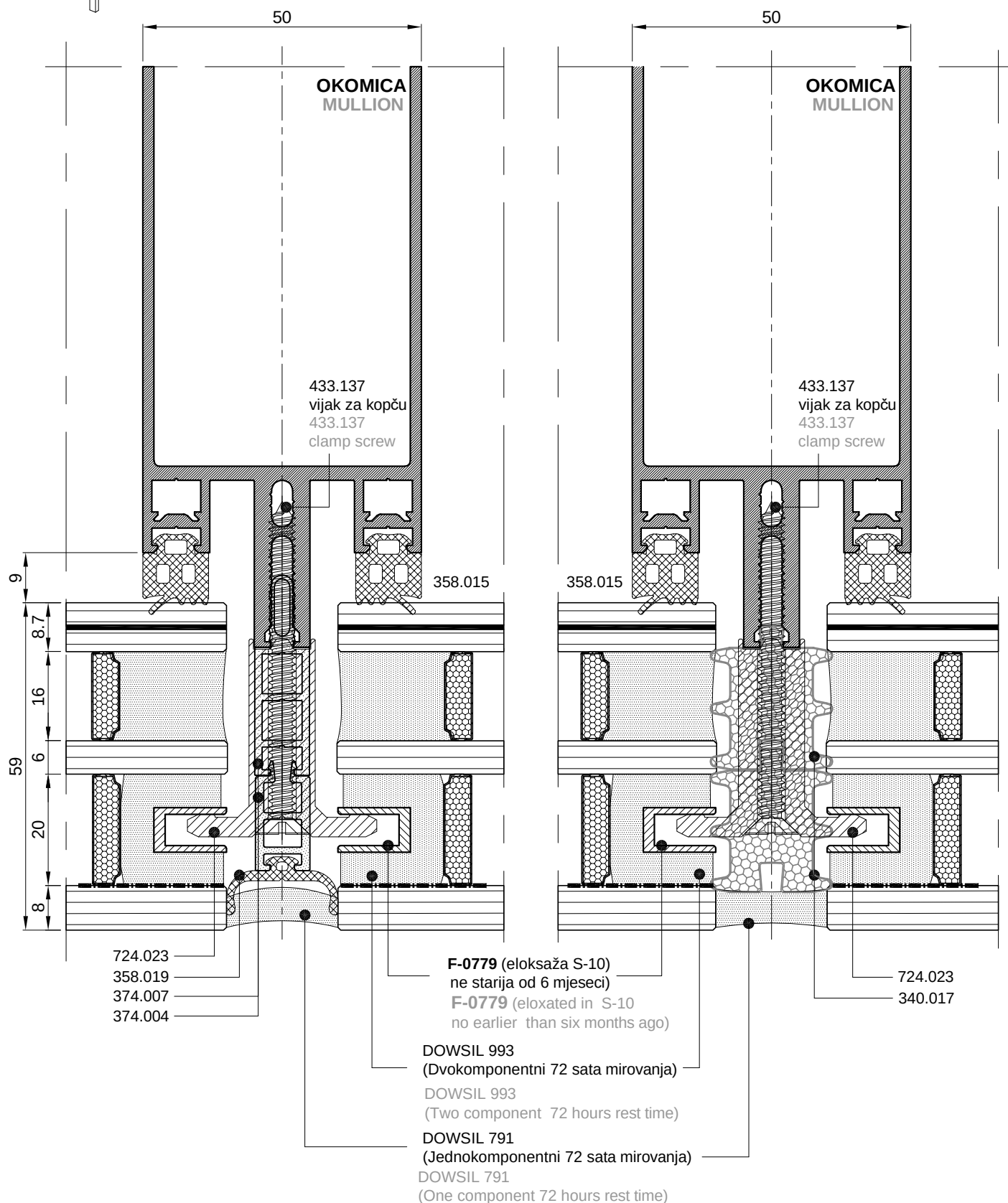
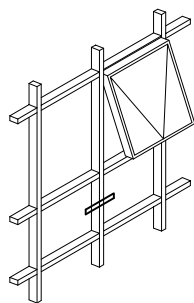


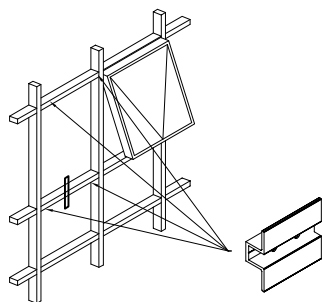
DEBLJINA STRUKTURALNOG KITA min 6mm

STRUCTURAL SEALANT THICKNESS min 6mm

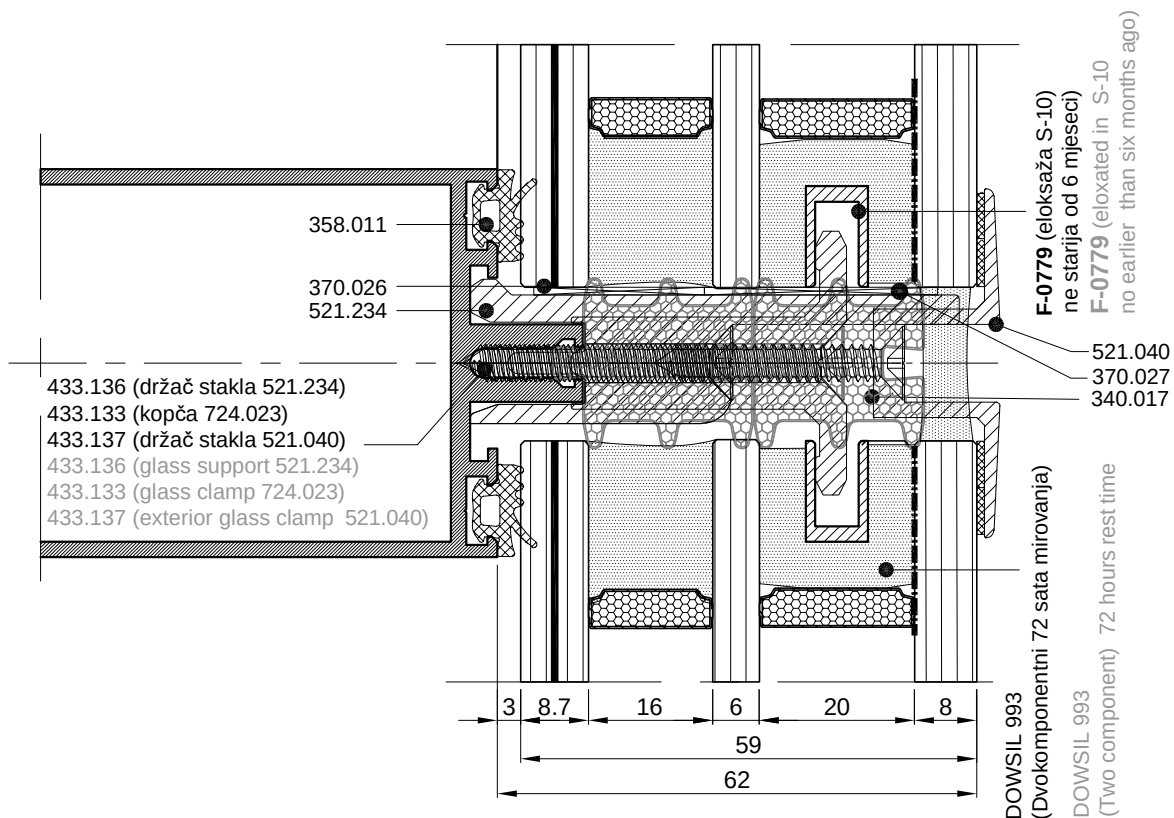
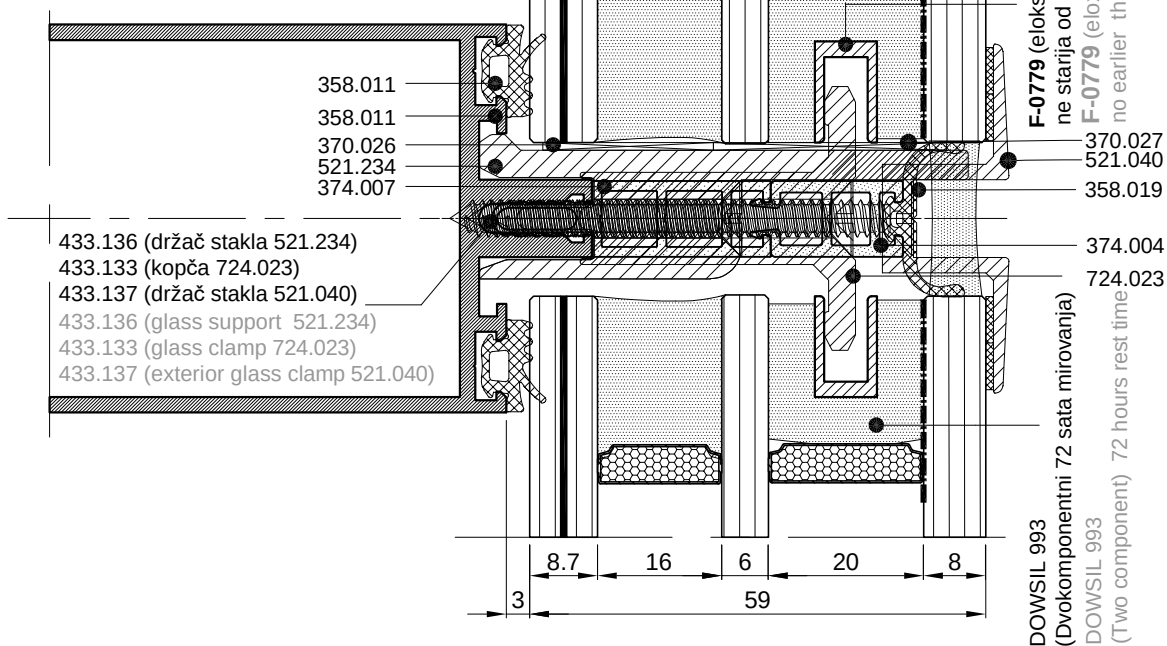


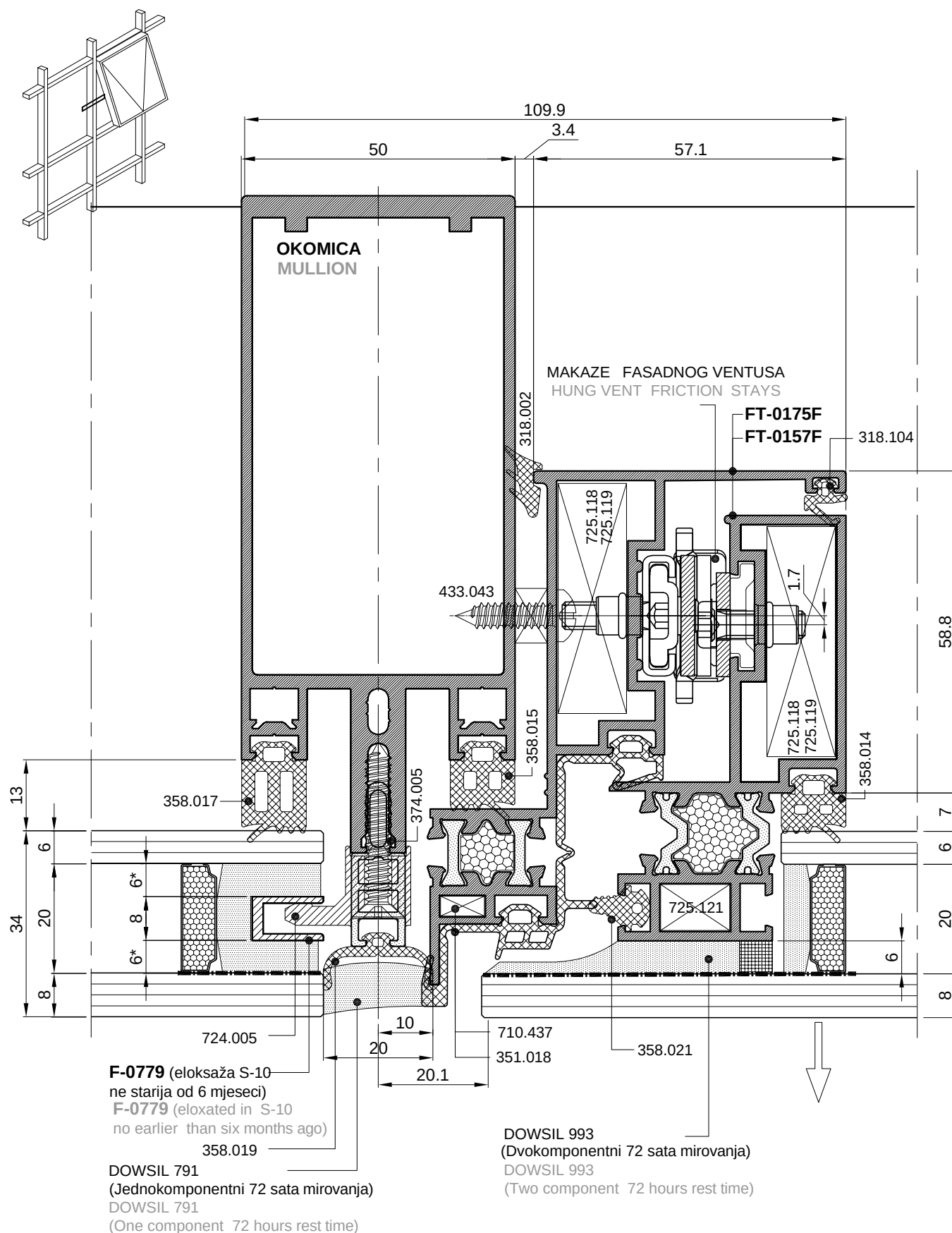






521.040-držač vanjskog stakla fiksnog polja
(četiri po staklu)
521.040-exterior fixed field glass clamp
(four per glass)





***VANJSKA STRANA PROFILA FT-0157 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI

**EXTERIOR SIDE OF PROFILE FT-0157 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO

****MAKAZE FASADNOG VENTUSA SA ZAKOVANIM KLIZAČEM NC-1459****

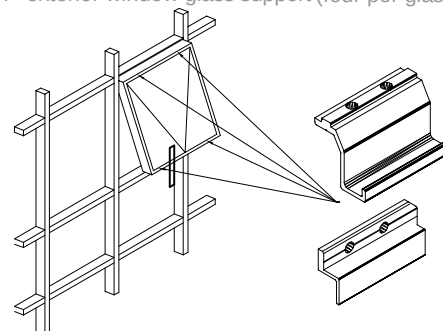
DEBLJINA STRUKTURALNOG KITA min 6mm

HUNG VENT FRICTION HINGES WITH BOLTED SLIDING BAR NC-1459 *STRUCTURAL SEALANT THICKNESS min 6mm*

STRUCTURAL SEALANT THICKNESS min 6mm

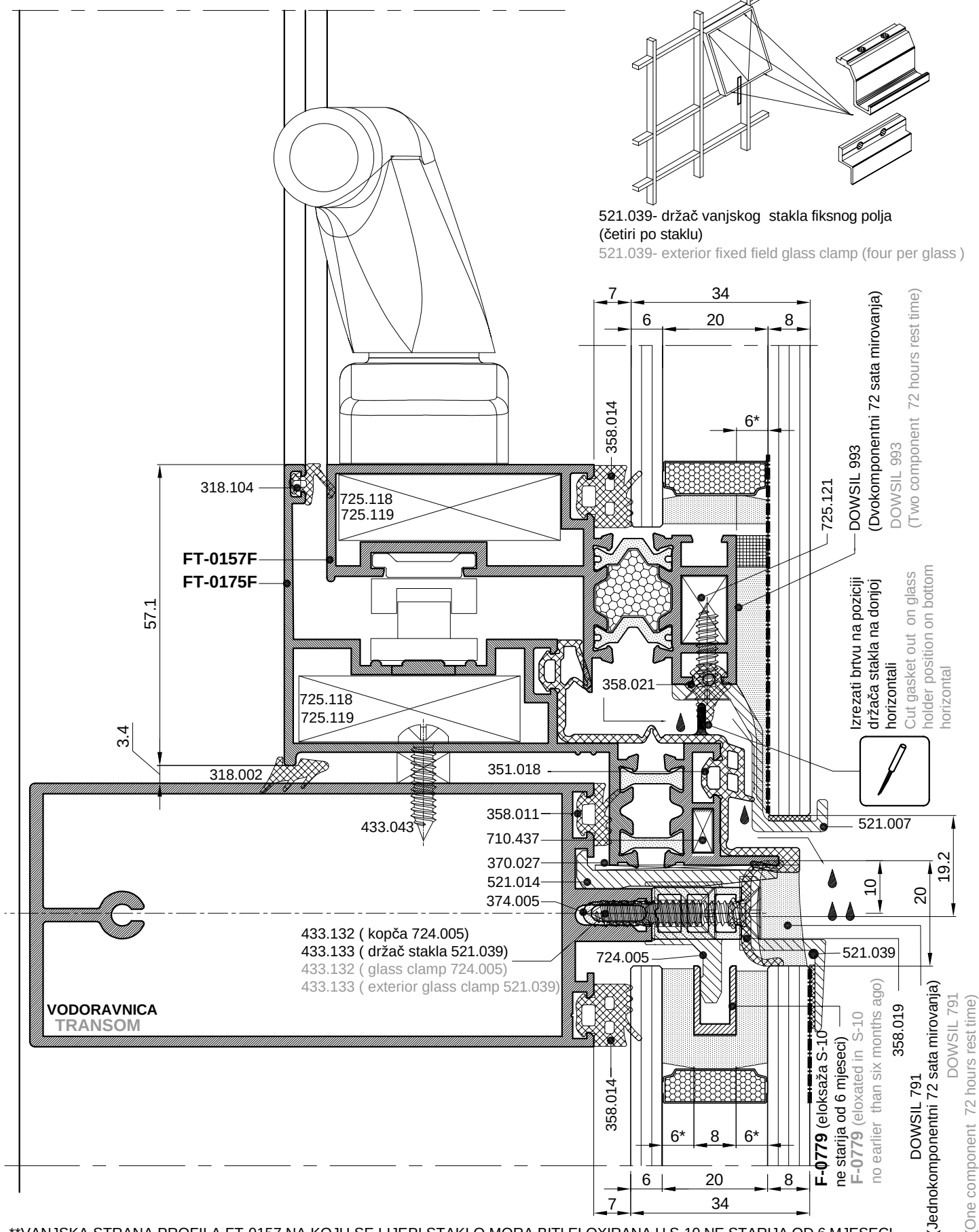
521.007- držač vanjskog prozorskog stakla (četiri po staklu)

521.007- exterior window glass support (four per glass)



521.039- držač vanjskog stakla fiksnog polja
(četiri po staklu)

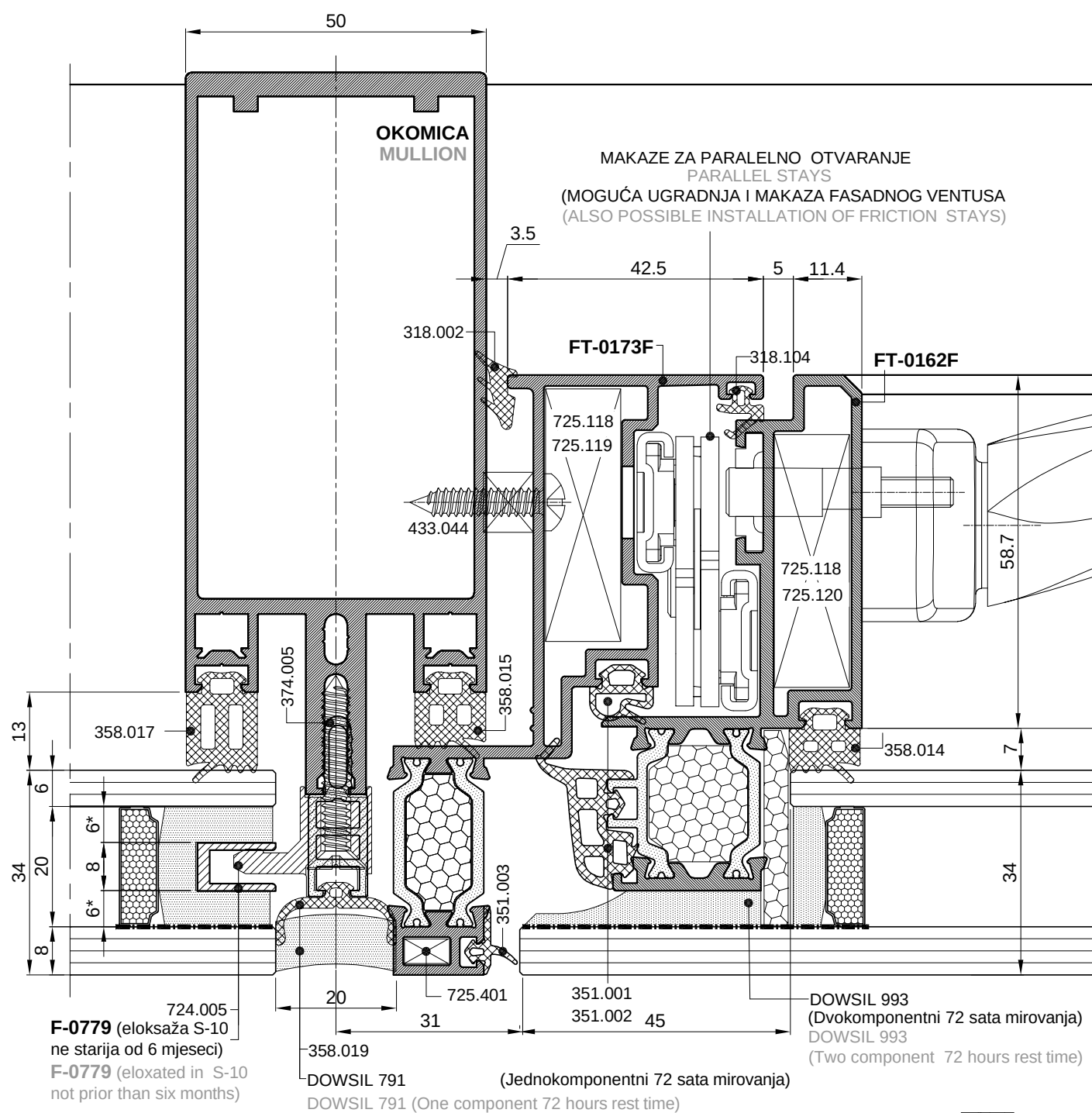
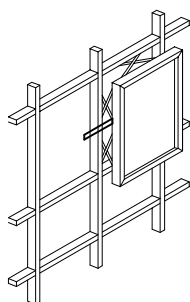
521.039- exterior fixed field glass clamp (four per glass)



****VANJSKA STRANA PROFILA FT-0157 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI**

**EXTERIOR SIDE OF PROFILE FT-0157 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO

DEBLJINA STRUKTURALNOG KITA min 6mm *STRUCTURAL SEALANT THICKNESS min 6mm*



***VANJSKA STRANA PROFILA FT-0173 BOJI SE U CRNO.

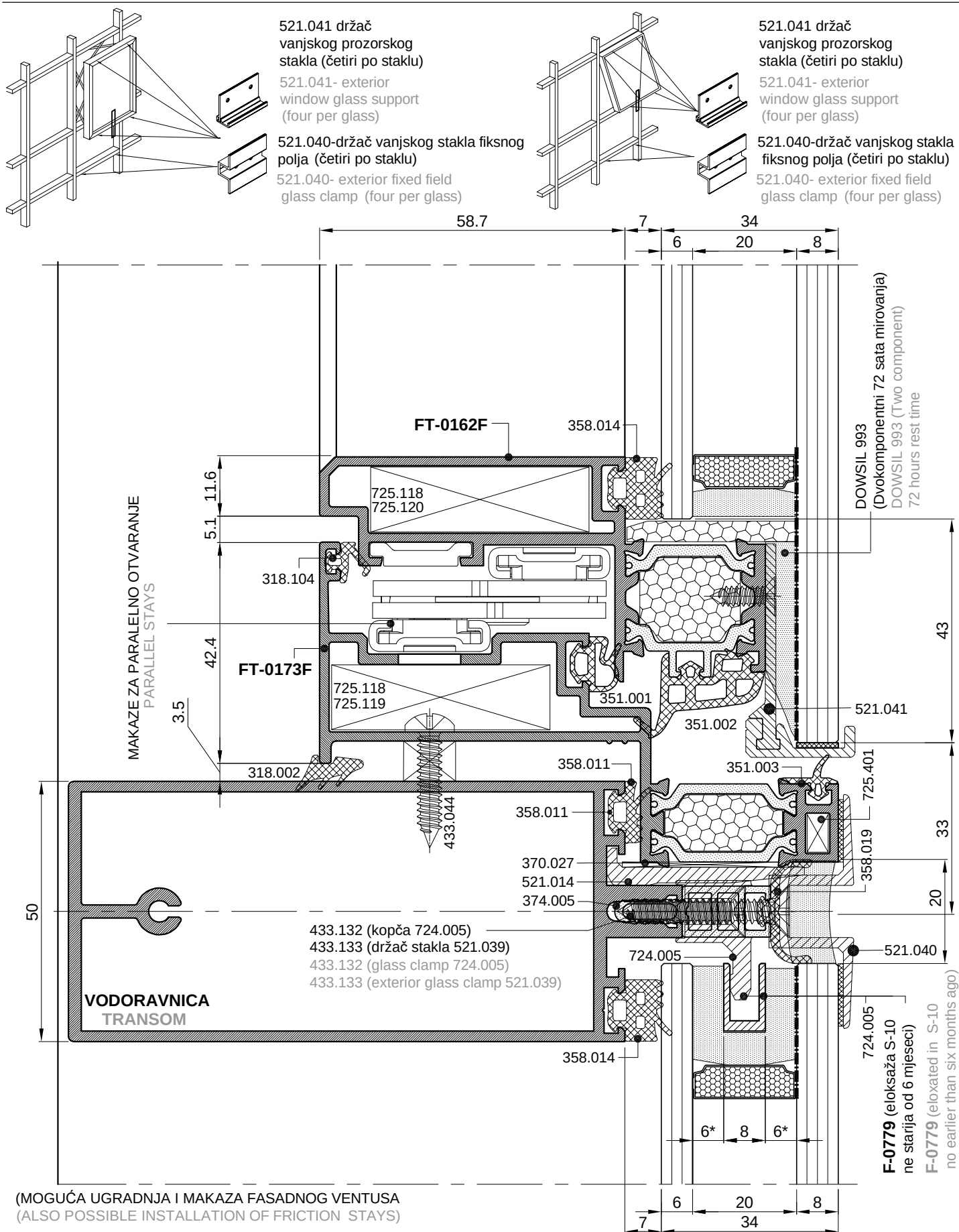
***EXTERIOR SIDE OF PROFILE FT-0173 IS COLOURED BLACK.

****VANJSKA STRANA PROFILA FT-0162 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI**

**EXTERIOR SIDE OF PROFILE FT-0162 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO

DEBLJINA STRUKTURALNOG KITA min 6mm *STRUCTURAL SEALANT THICKNESS min 6mm*





(MOGUĆA UGRADNJA I MAKAZA FASADNOG VENTUSA
(ALSO POSSIBLE INSTALLATION OF FRICTION STAYS))

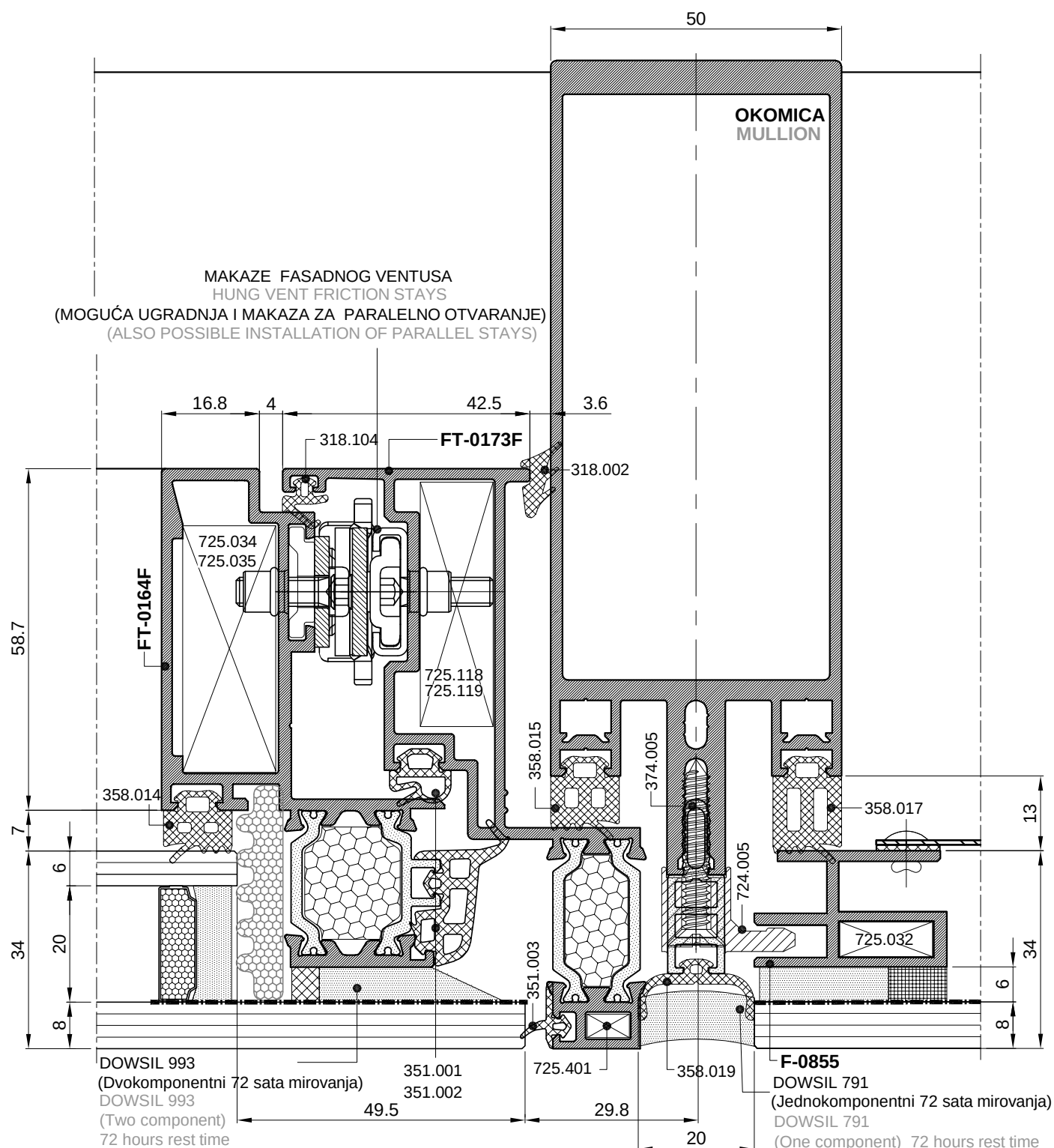
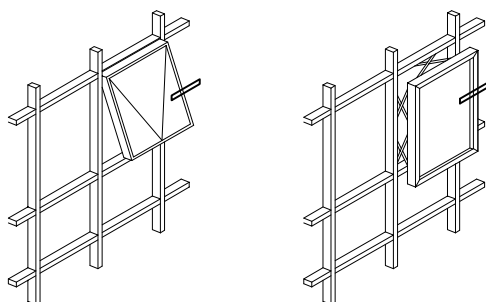
***VANJSKA STRANA PROFILA FT-0173 BOJI SE U CRNO.

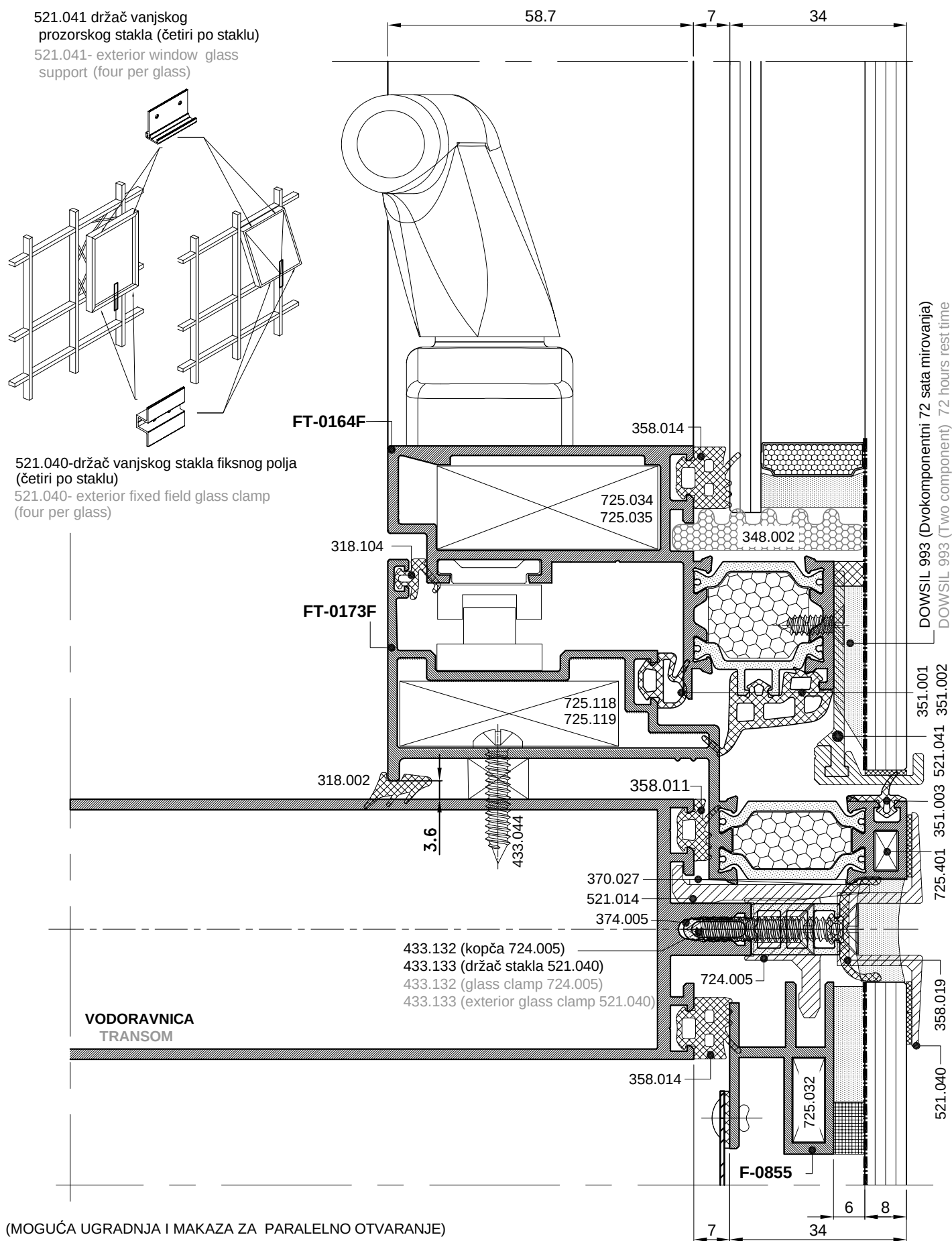
***EXTERIOR SIDE OF PROFILE FT-0173 IS COLOURED BLACK.

**VANJSKA STRANA PROFILA FT-0162 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI

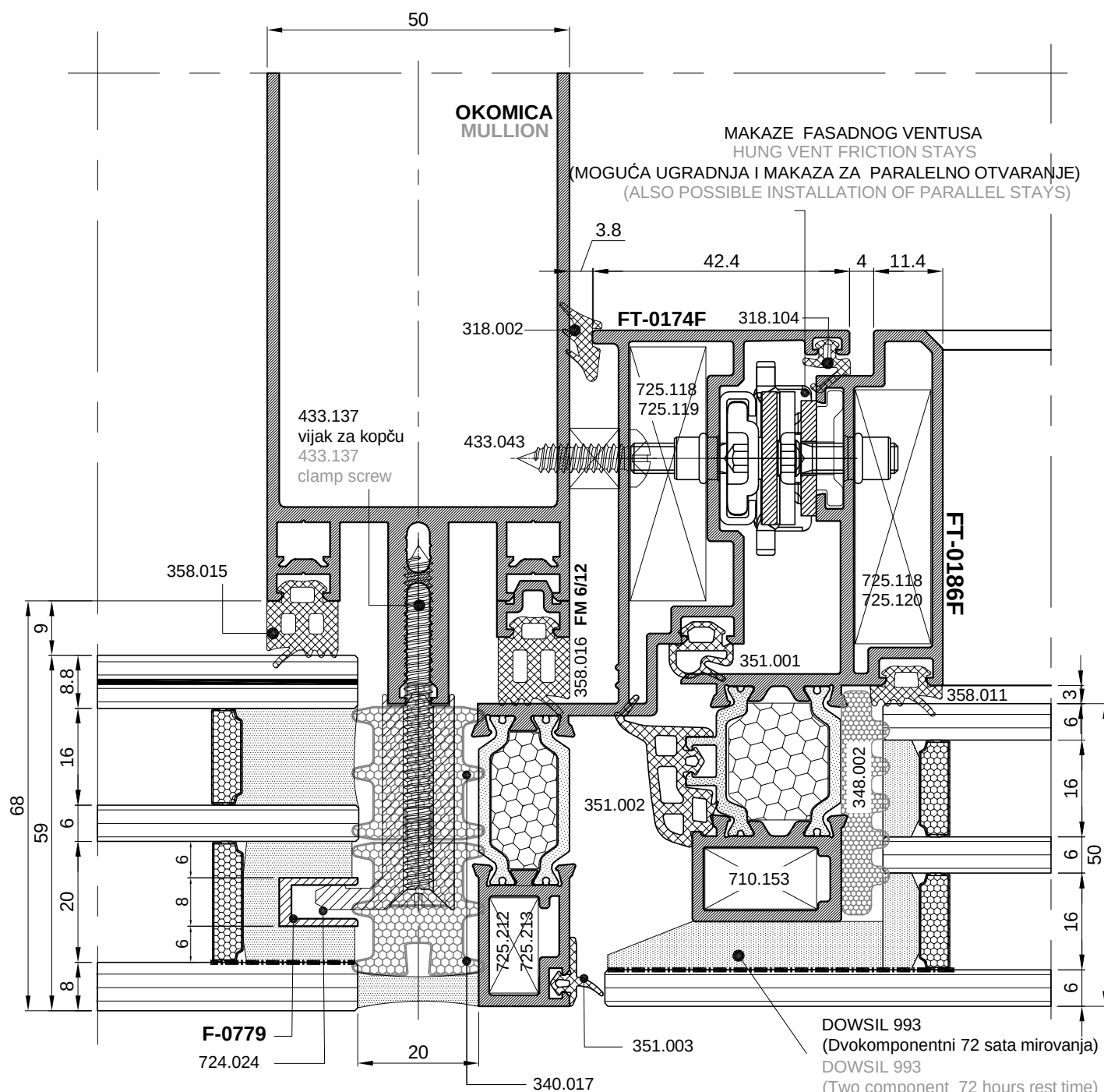
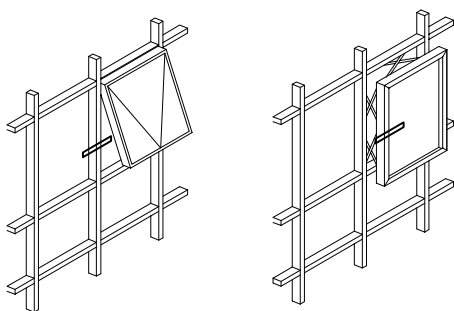
**EXTERIOR SIDE OF PROFILE FT-0162 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO

DEBLJINA STRUKTURALNOG KITA min 6mm *STRUCTURAL SEALANT THICKNESS min 6mm*





(MOGUĆA UGRADNJA I MAKAZA ZA PARALELNO OTVARANJE)
(ALSO POSSIBLE INSTALLATION OF PARALLEL STAYS)



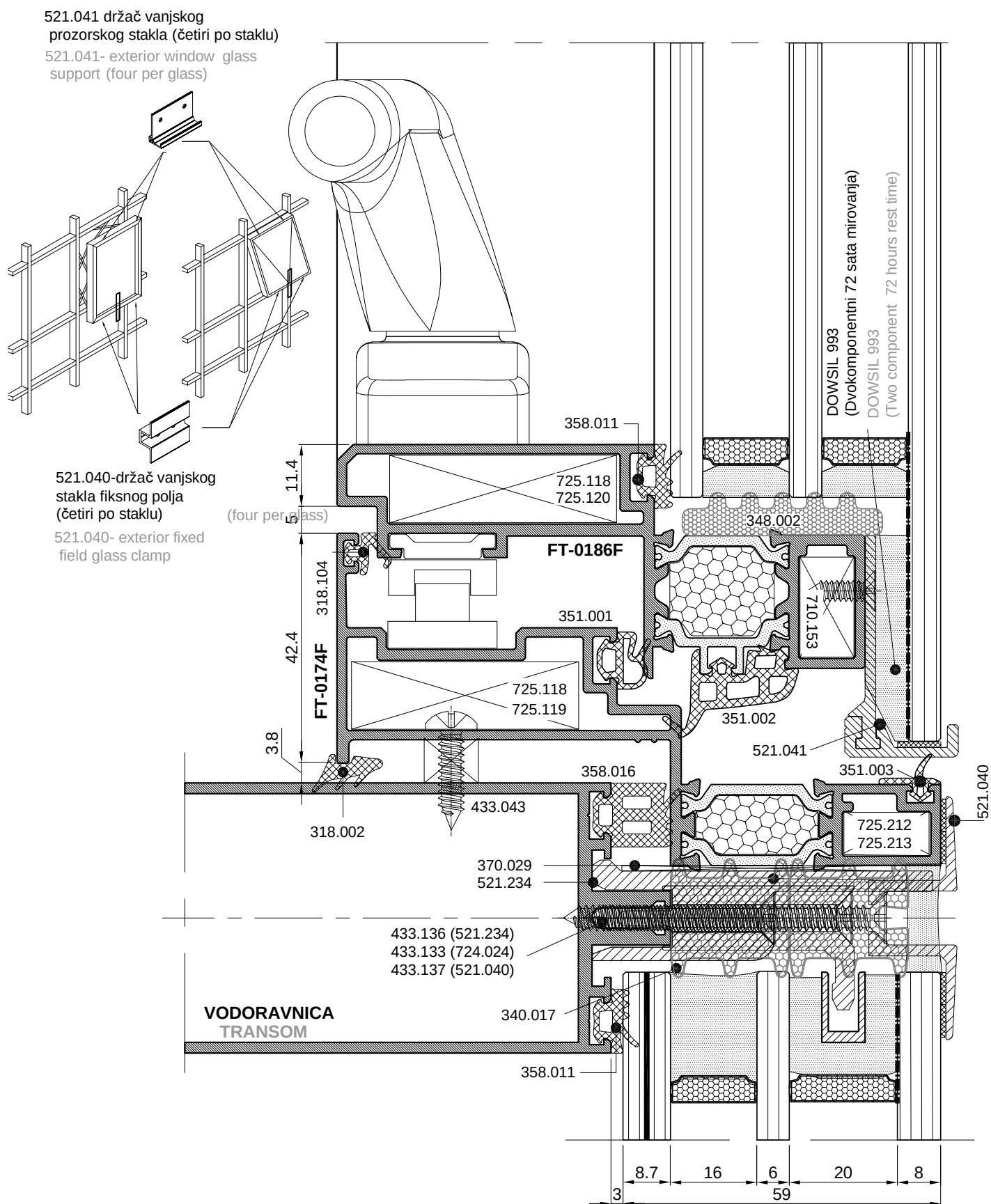
***VANJSKA STRANA PROFILA FT-0174 BOJI SE U CRNO.

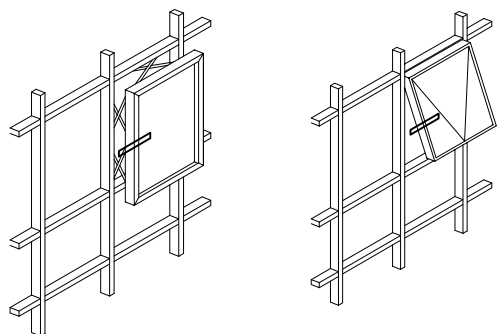
***EXTERIOR SIDE OF PROFILE FT-0174 IS COLOURED BLACK.

****VANJSKA STRANA PROFILA FT-0186 I F-0779 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI**

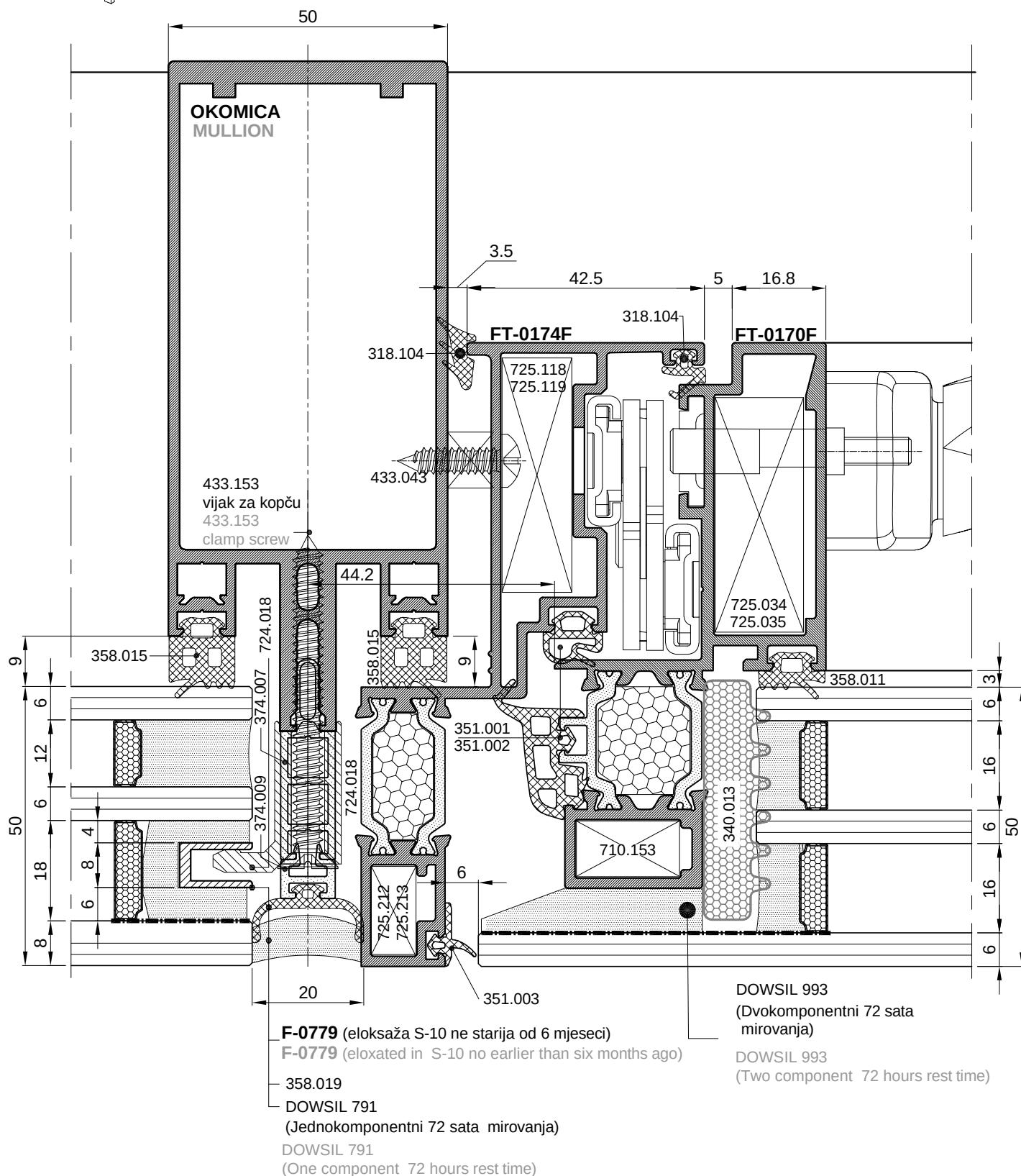
**EXTERIOR SIDE OF PROFILES FT-0186 AND F-0779 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO

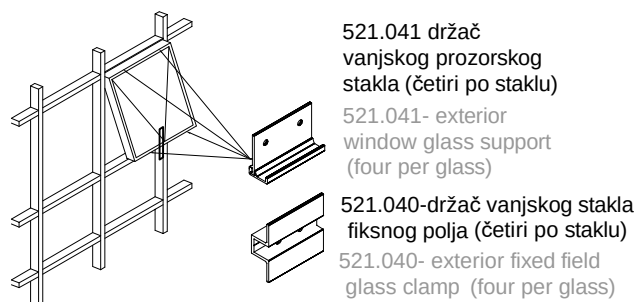
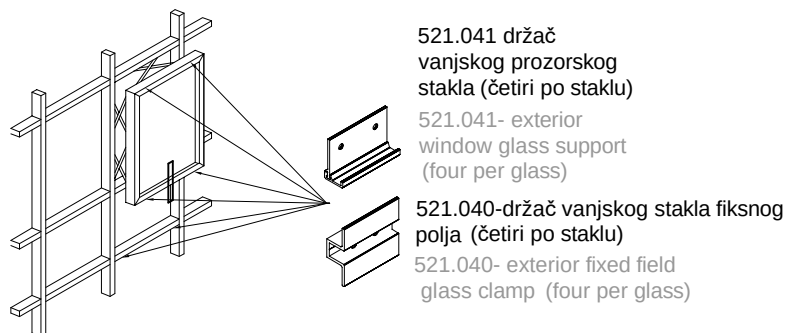
DEBLJINA STRUKTURALNOG KITA min 6mm *STRUCTURAL SEALANT THICKNESS min 6mm*



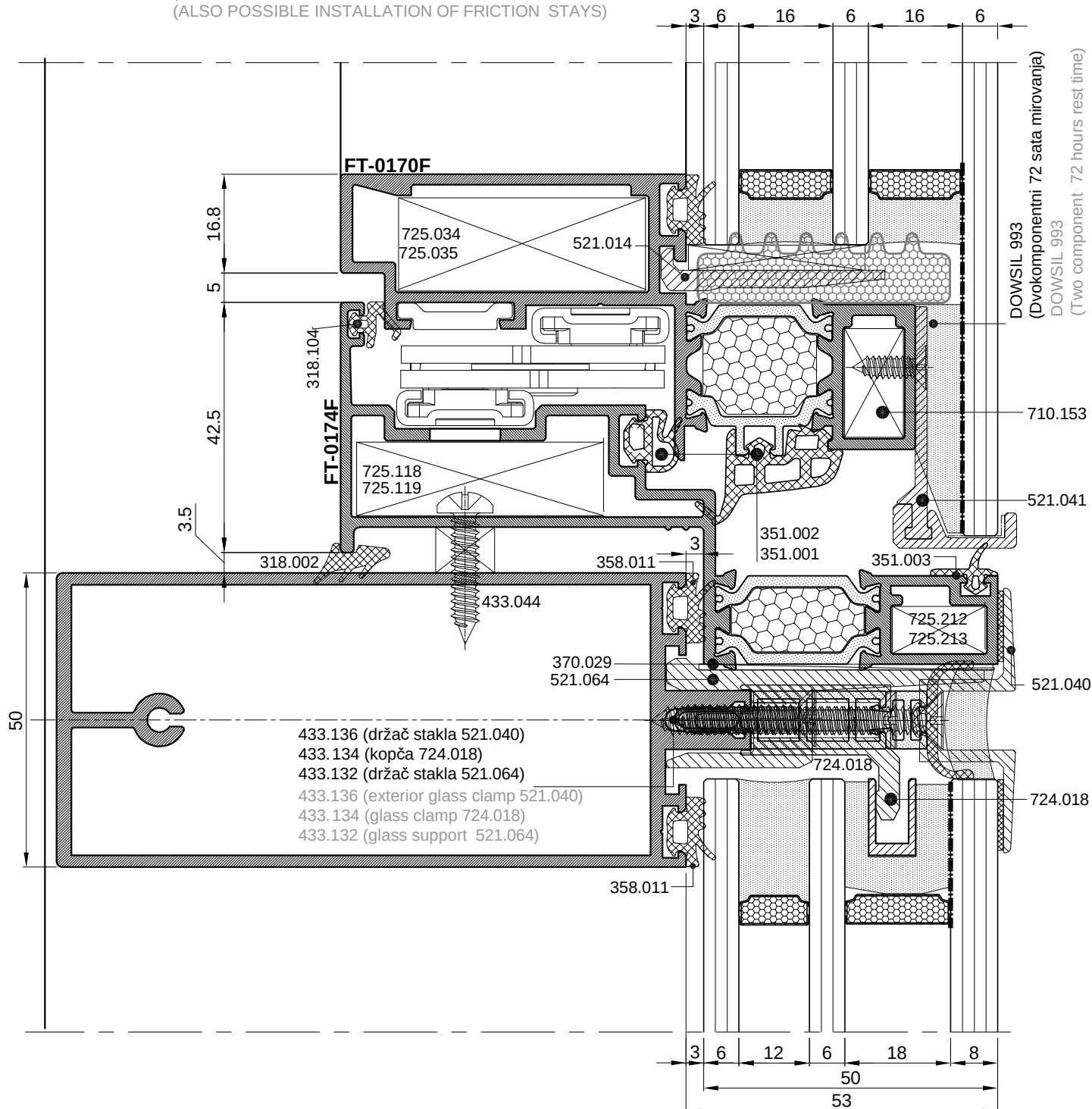


(MOGUĆA UGRADNJA I MAKAZA FASADNOG VENTUSA
(ALSO POSSIBLE INSTALLATION OF FRICTION STAYS)

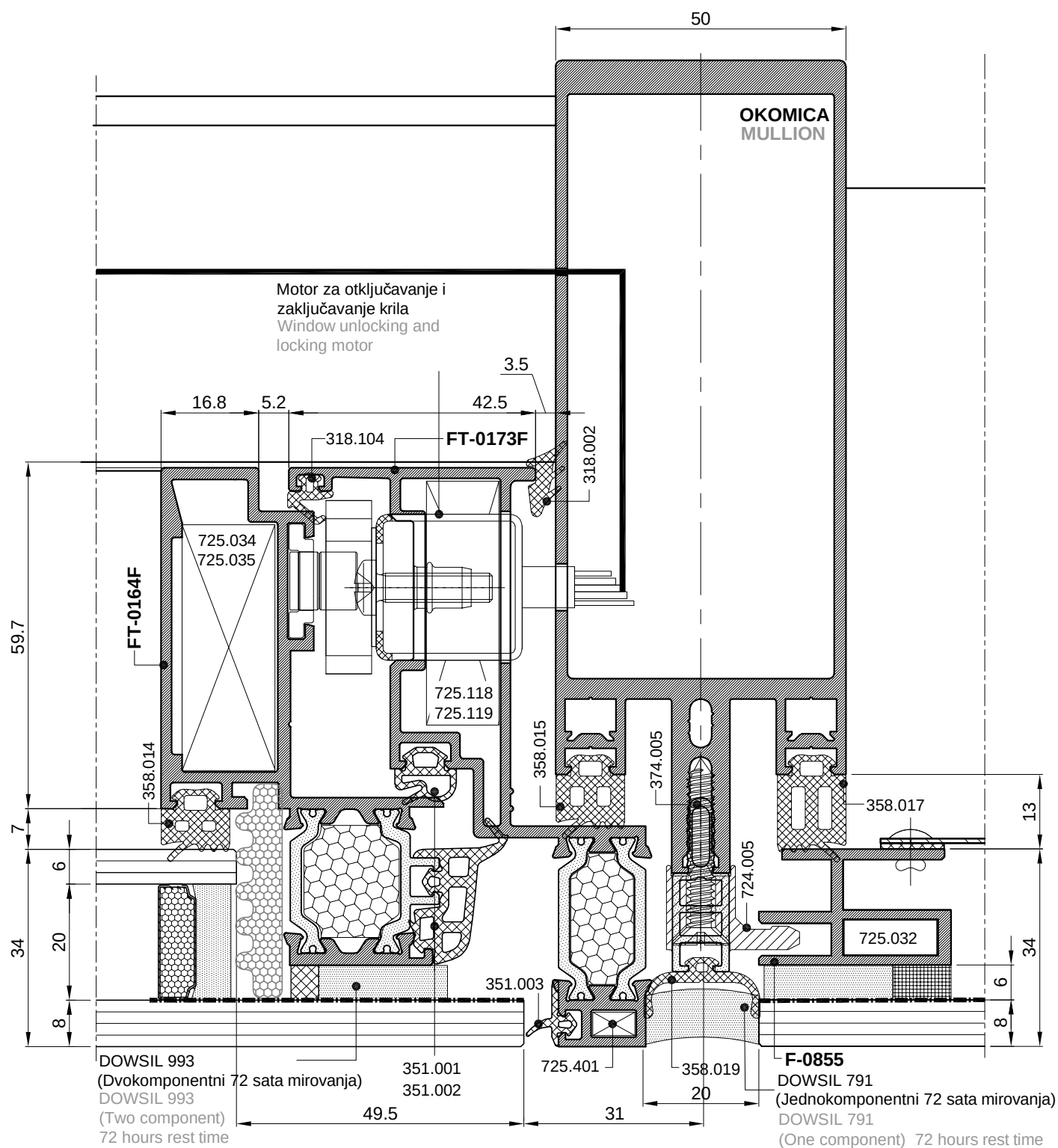
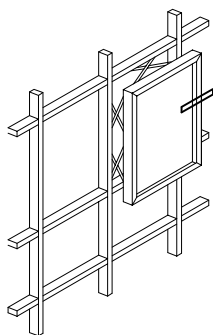


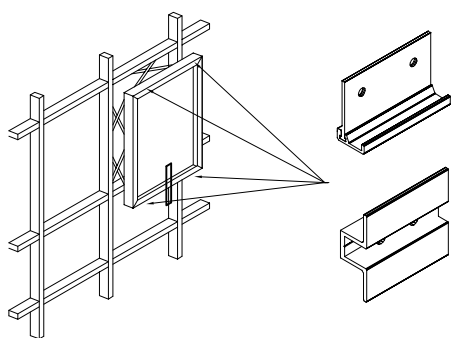


(MOGUĆA UGRADNJA I MAKAZA FASADNOG VENTUSA
(ALSO POSSIBLE INSTALLATION OF FRICTION STAYS)



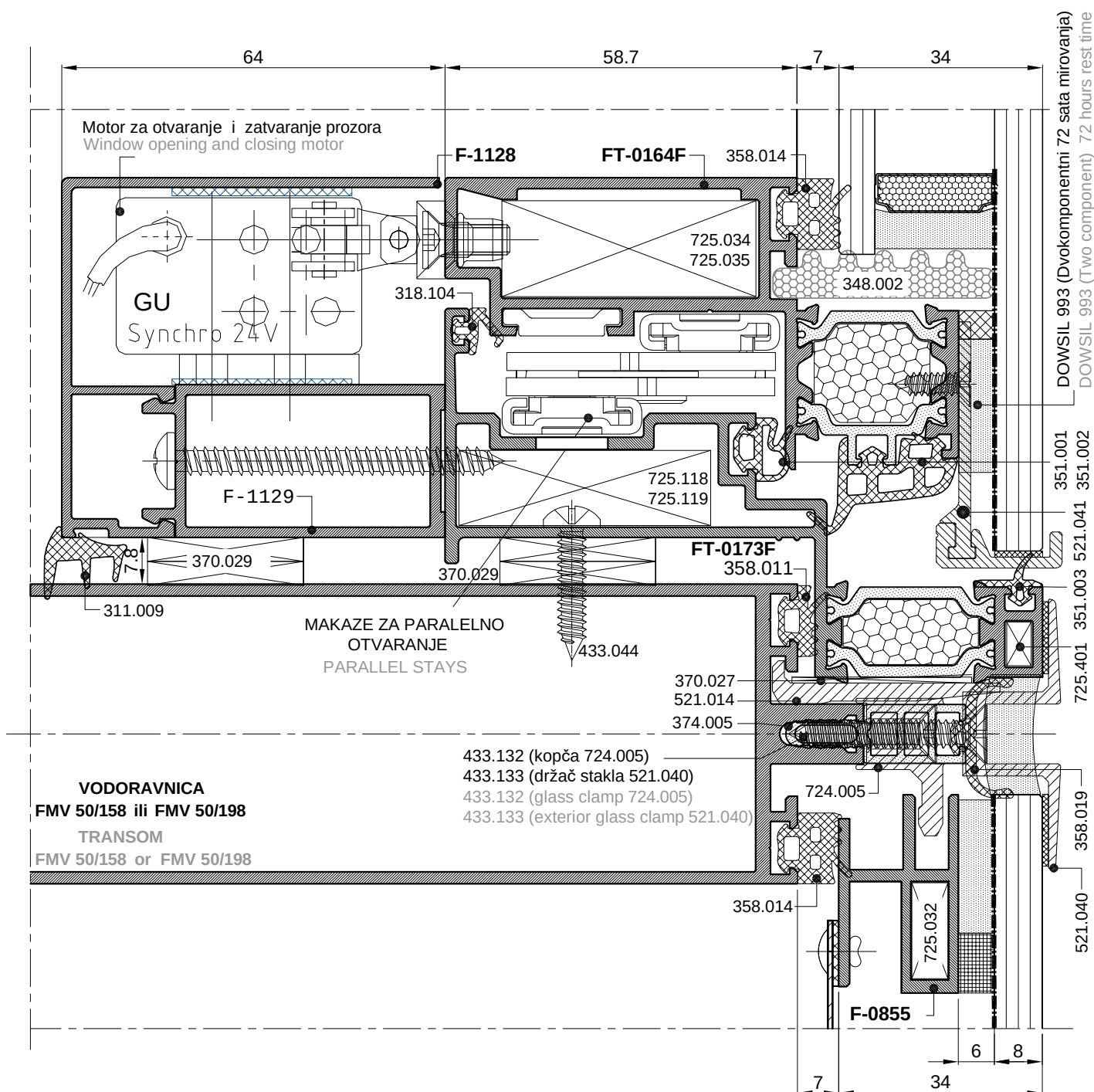
(MOGUĆA UGRADNJA I MAKAZA FASADNOG VENTUSA
(ALSO POSSIBLE INSTALLATION OF FRICTION STAYS)

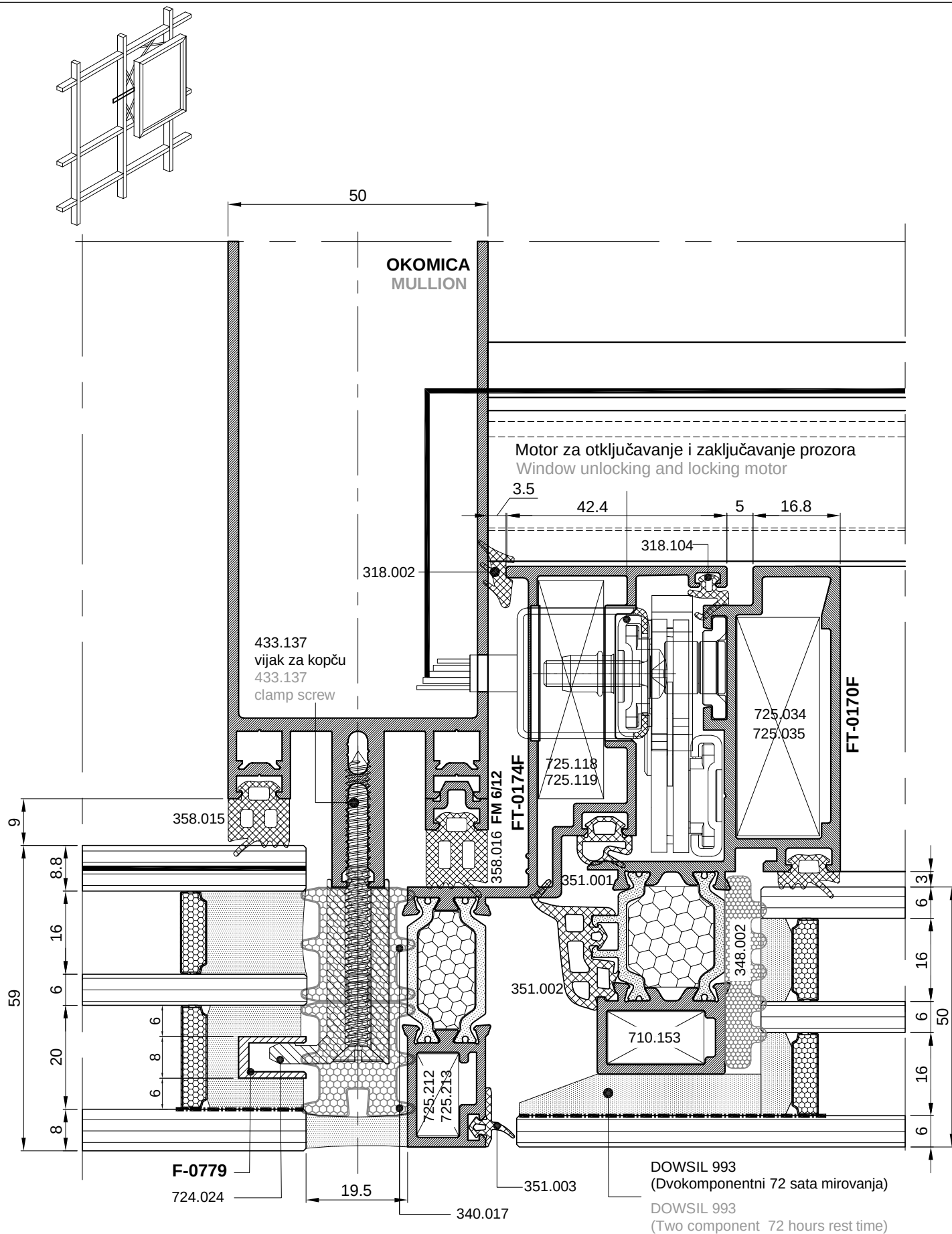




521.041 držač vanjskog prozorskog stakla (četiri po staklu)
521.041- exterior window glass support (four per glass)

521.040-držač vanjskog stakla fiksnog polja (četiri po staklu)
521.040- exterior fixed field glass clamp (four per glass)

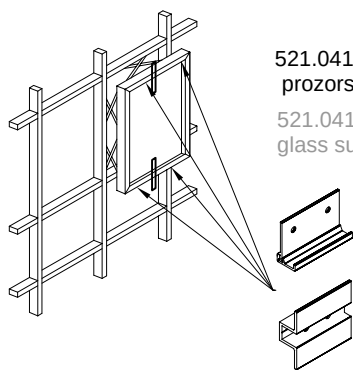




**VANJSKA STRANA PROFILA FT-0170 I F-0779 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI

**EXTERIOR SIDE OF PROFILES FT-0170 AND F-0779 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO

DEBLJINA STRUKTURALNOG KITA min 6mm *STRUCTURAL SEALANT THICKNESS min 6mm*



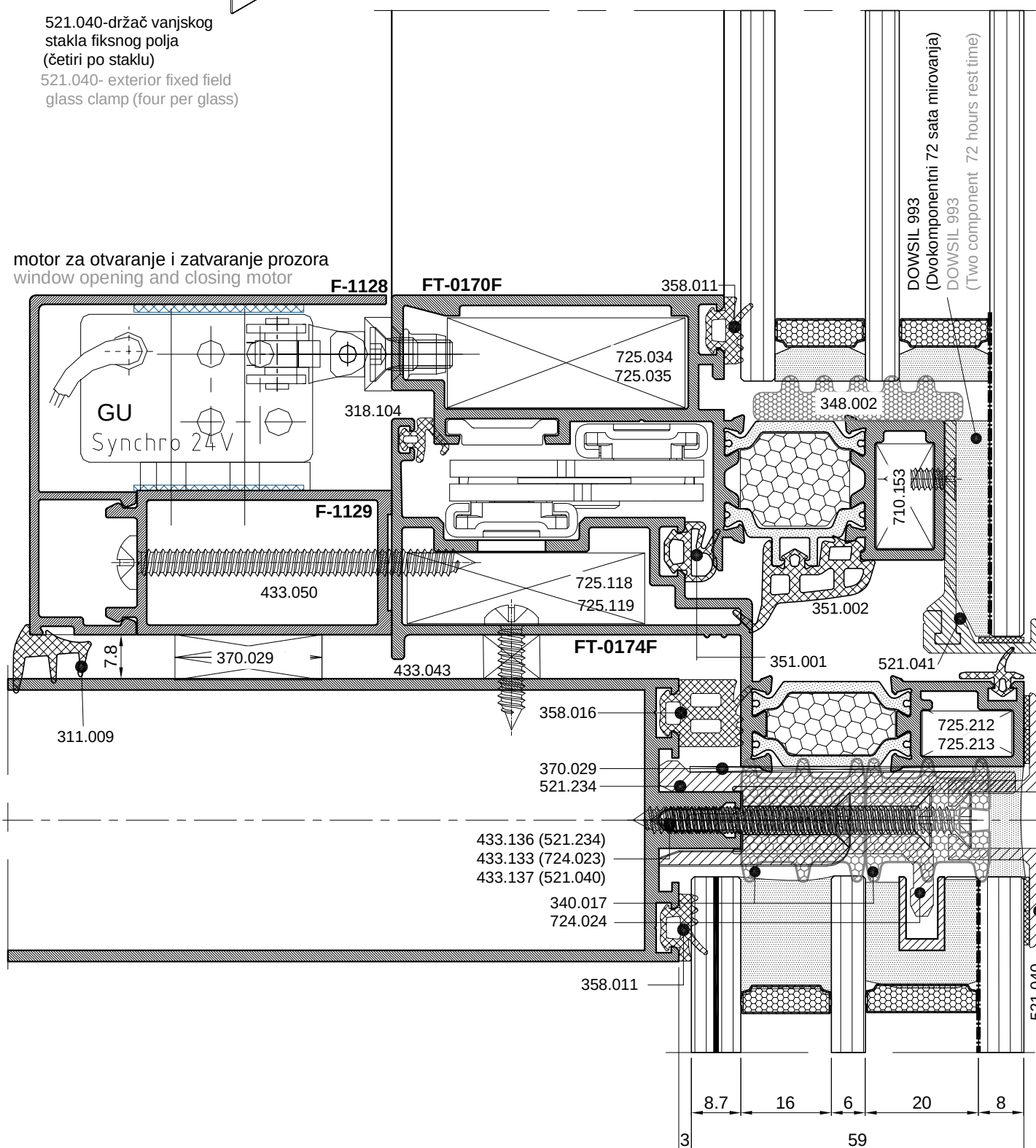
521.041 držač vanjskog
prozorskog stakla (četiri po staklu)

521.041- exterior window
glass support (four per glass)

521.040-držač vanjskog
stakla fiksnog polja
(četiri po staklu)

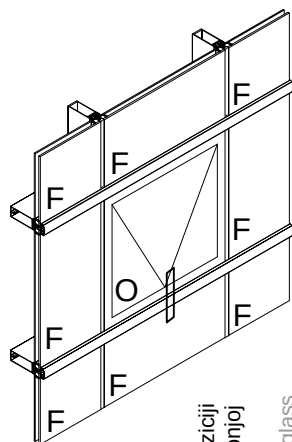
521.040- exterior fixed field
glass clamp (four per glass)

motor za otvaranje i zatvaranje prozora
window opening and closing motor

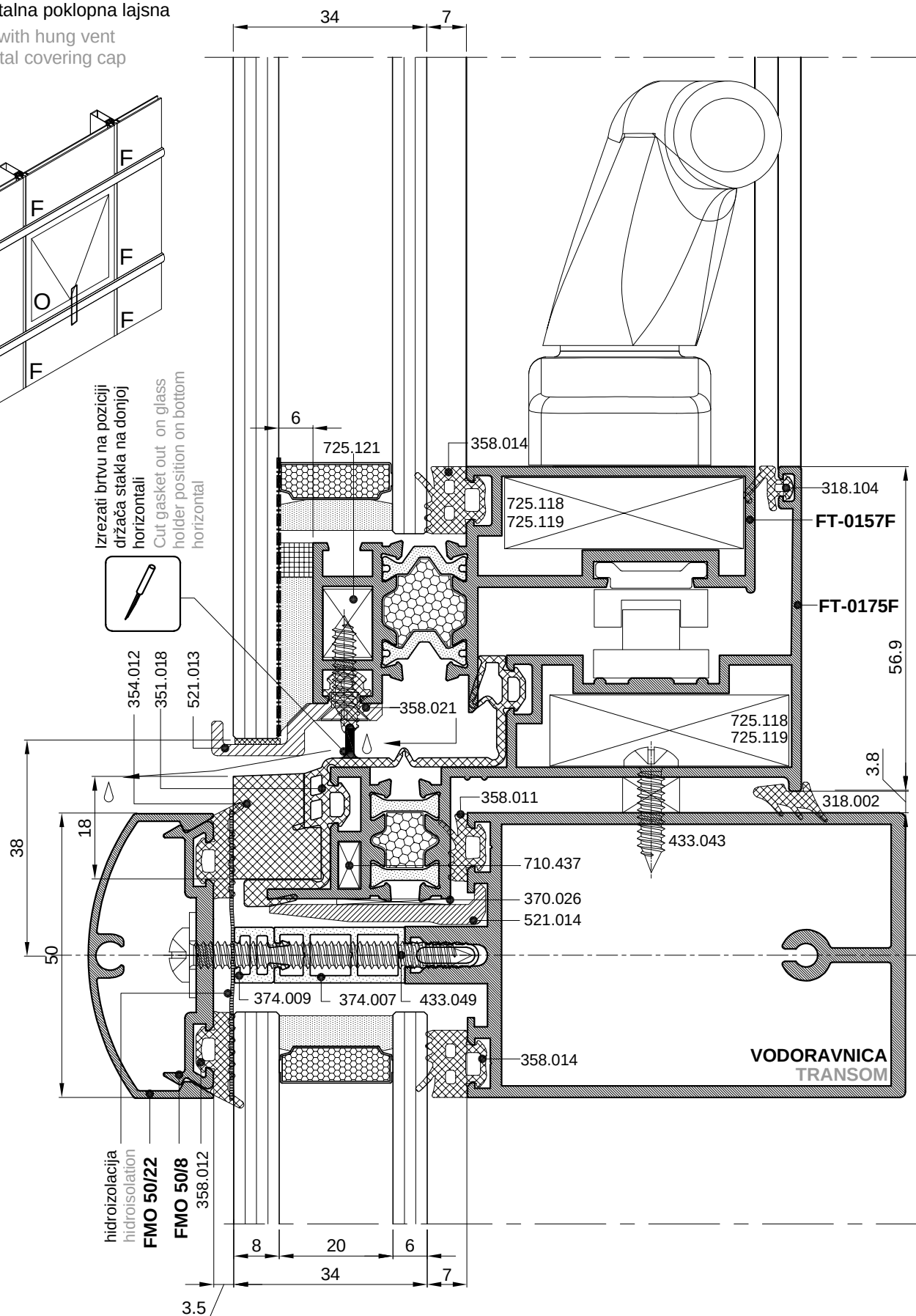


Fasada s ovješnim ventusom
- horizontalna poklopna lajsna

Facade with hung vent
- horizontal covering cap



Izrezati brtvu na poziciji
držača stakla na donjoj
horizontali
Cut gasket out on glass
holder position on bottom
horizontal



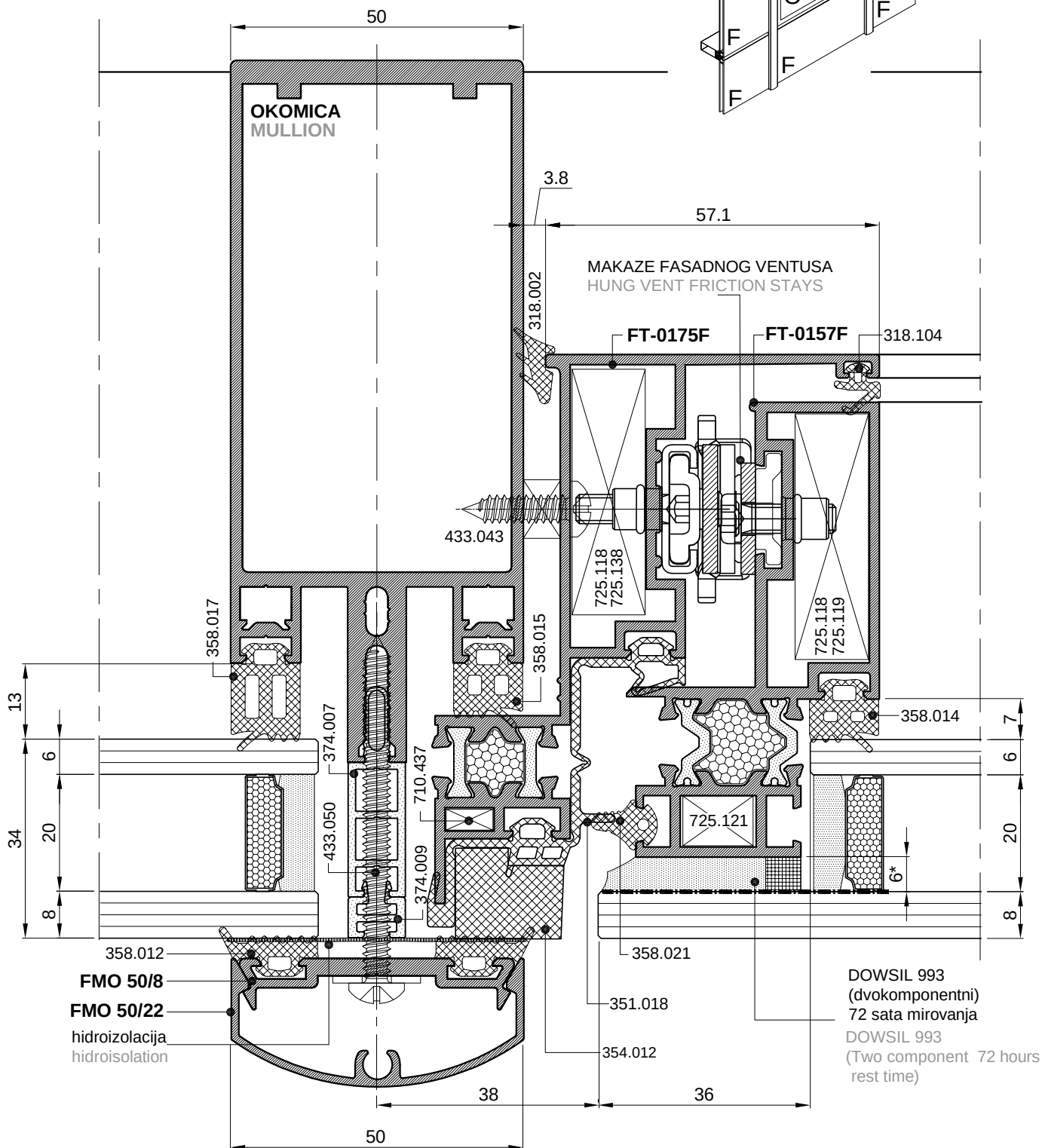
**VANJSKA STRANA PROFILA FT-0157 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI

**EXTERIOR SIDE OF PROFILE FT-0157 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO

DEBLJINA STRUKTURALNOG KITA min 6mm *STRUCTURAL SEALANT THICKNESS min 6mm*

Fasada s ovješnim ventusom
- vertikalna poklopna lajsna

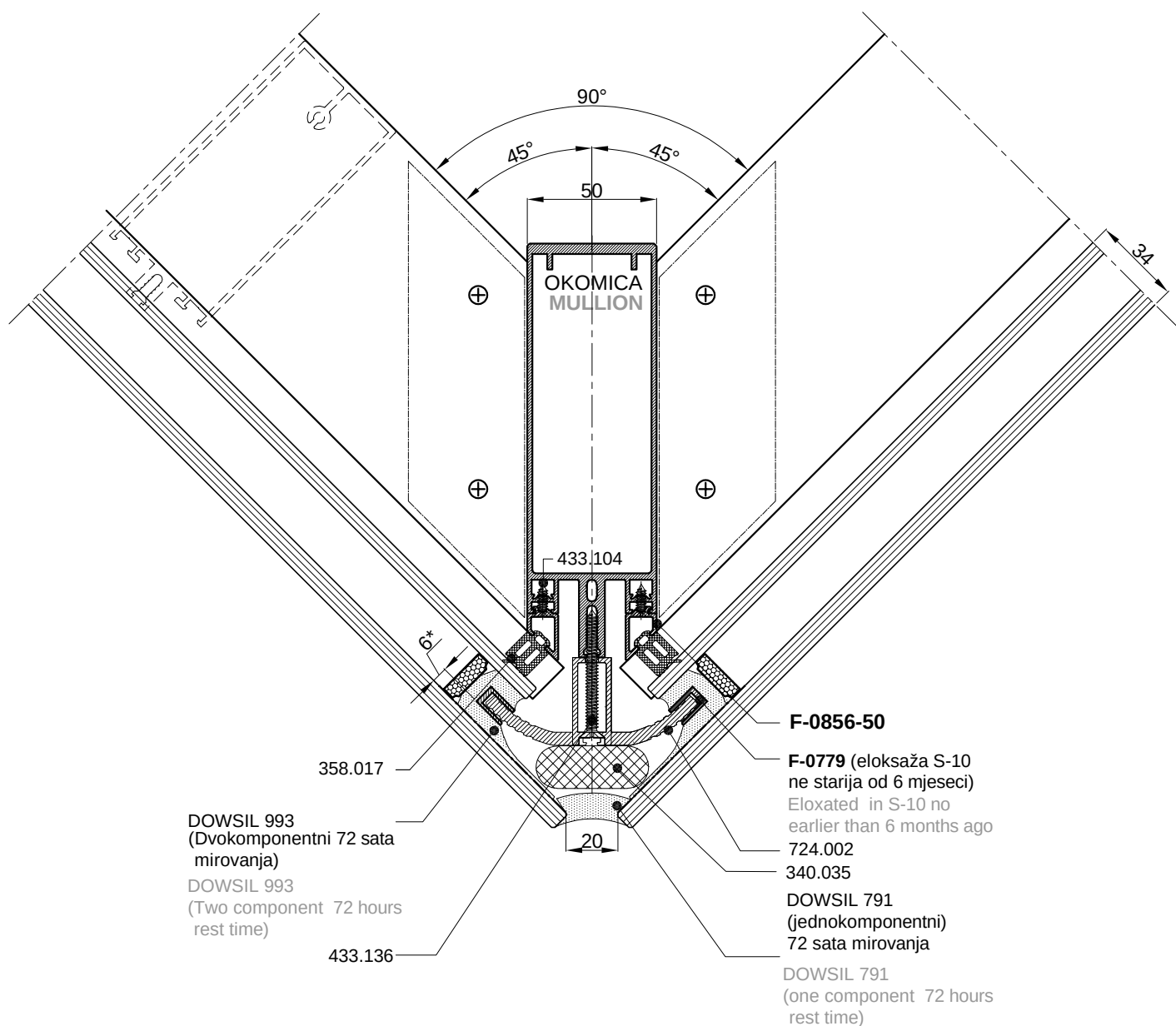
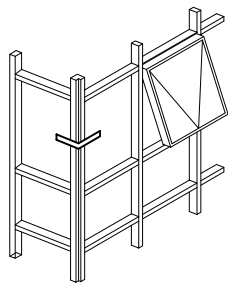
Facade with hung vent
- vertical covering cap



**VANJSKA STRANA PROFILA FT-0157 NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI

**EXTERIOR SIDE OF PROFILE FT-0157 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO

DEBLJINA STRUKTURALNOG KITA min 6mm *STRUCTURAL SEALANT THICKNESS min 6mm*

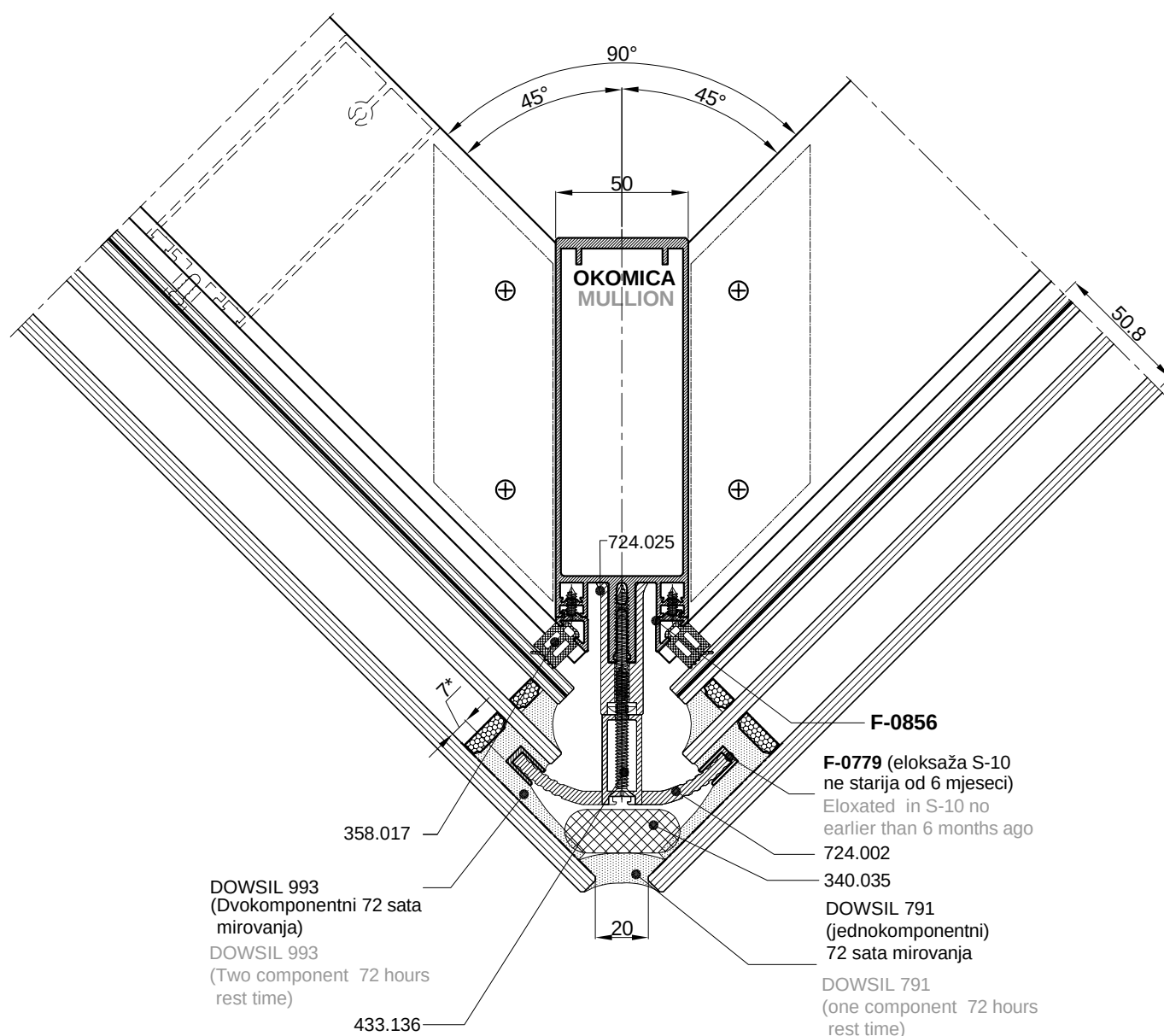
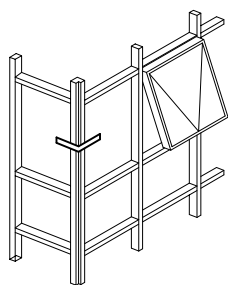


Napomena Notice:

Izrada klizača pod kutom za kuteve fasada je odgovornost proizvođača.
Making of angled sliders for facade corners is manufacturer's responsibility

DEBLJINA STRUKTURALNOG KITA min 6mm

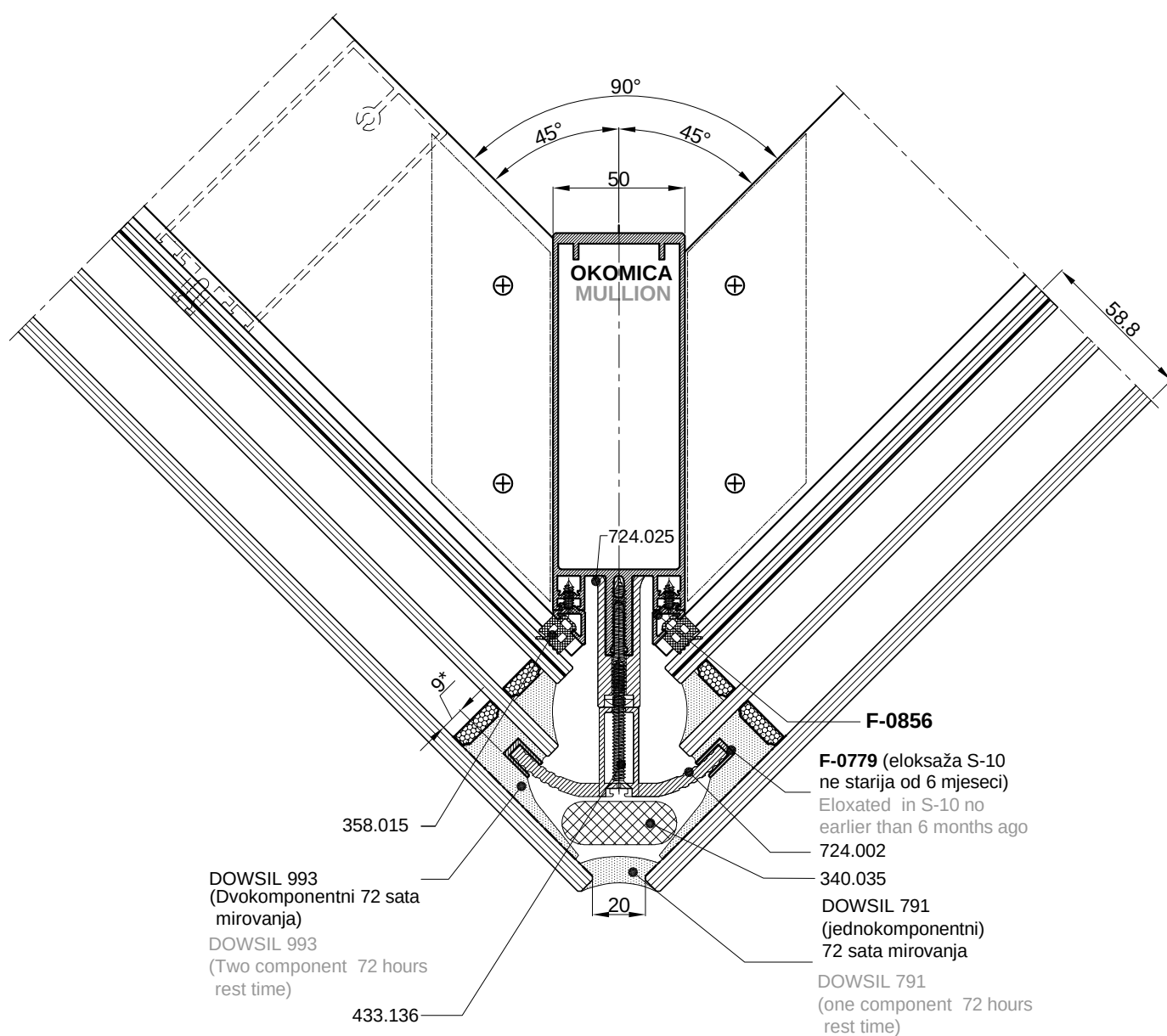
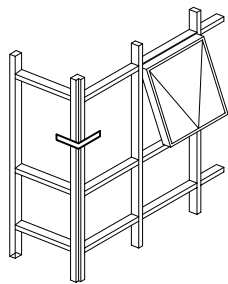
STRUCTURAL SEALANT THICKNESS min 6mm



Napomena Notice:

Izrada klizača pod kutom za kuteve fasada je odgovornost proizvođača.
Making of angled sliders for facade corners is manufacturer's responsibility

DEBLJINA STRUKTURALNOG KITA min 6mm
STRUCTURAL SEALANT THICKNESS min 6mm



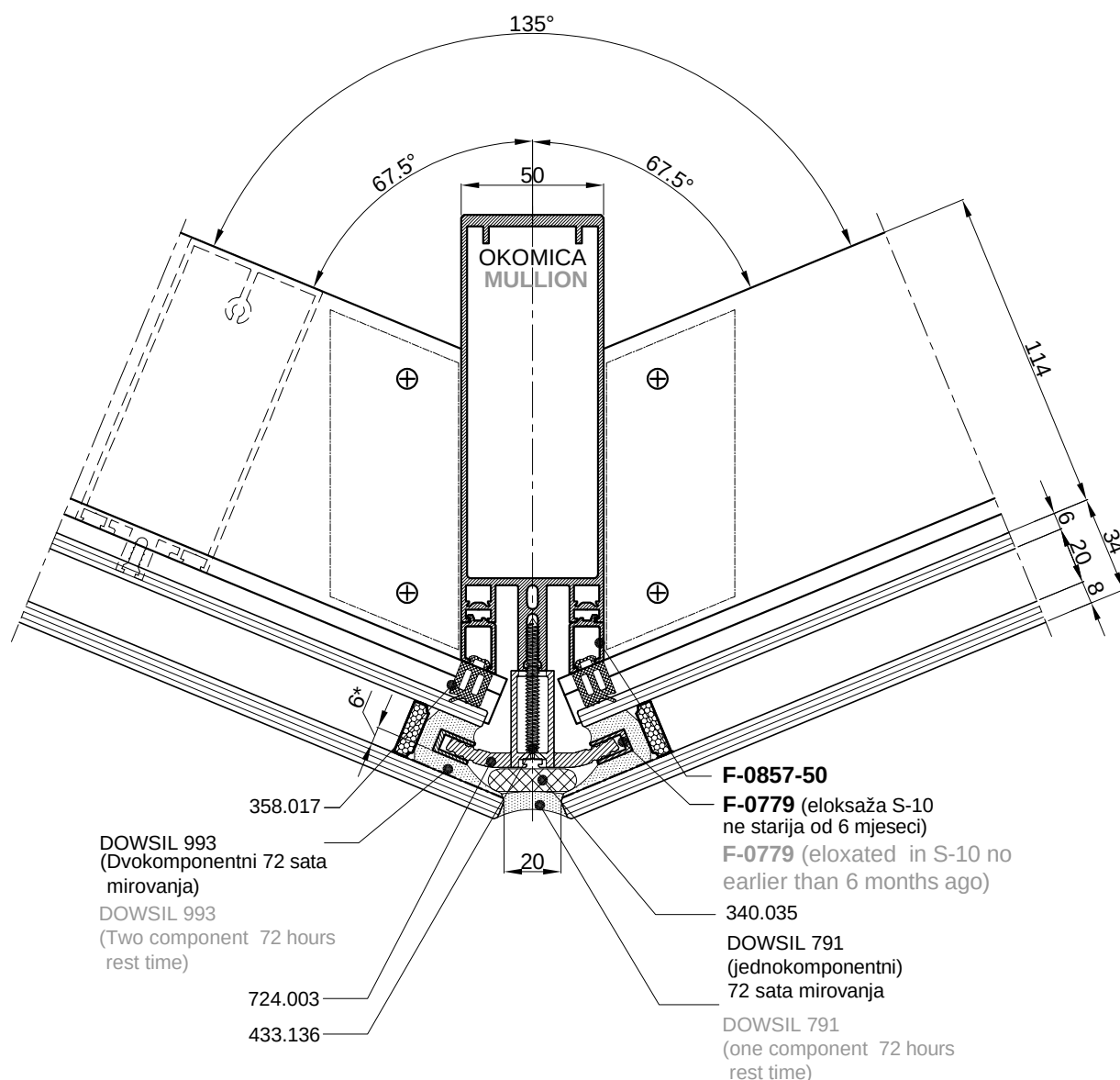
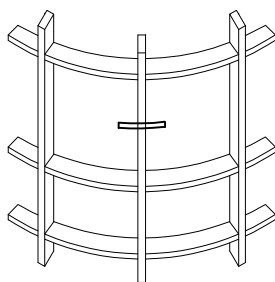
Napomena Notice:

Izrada klizača pod kutom za kuteve fasada je odgovornost proizvođača.

Making of angled sliders for facade corners is manufacturer's responsibility

DEBLJINA STRUKTURALNOG KITA min 6mm

STRUCTURAL SEALANT THICKNESS min 6mm

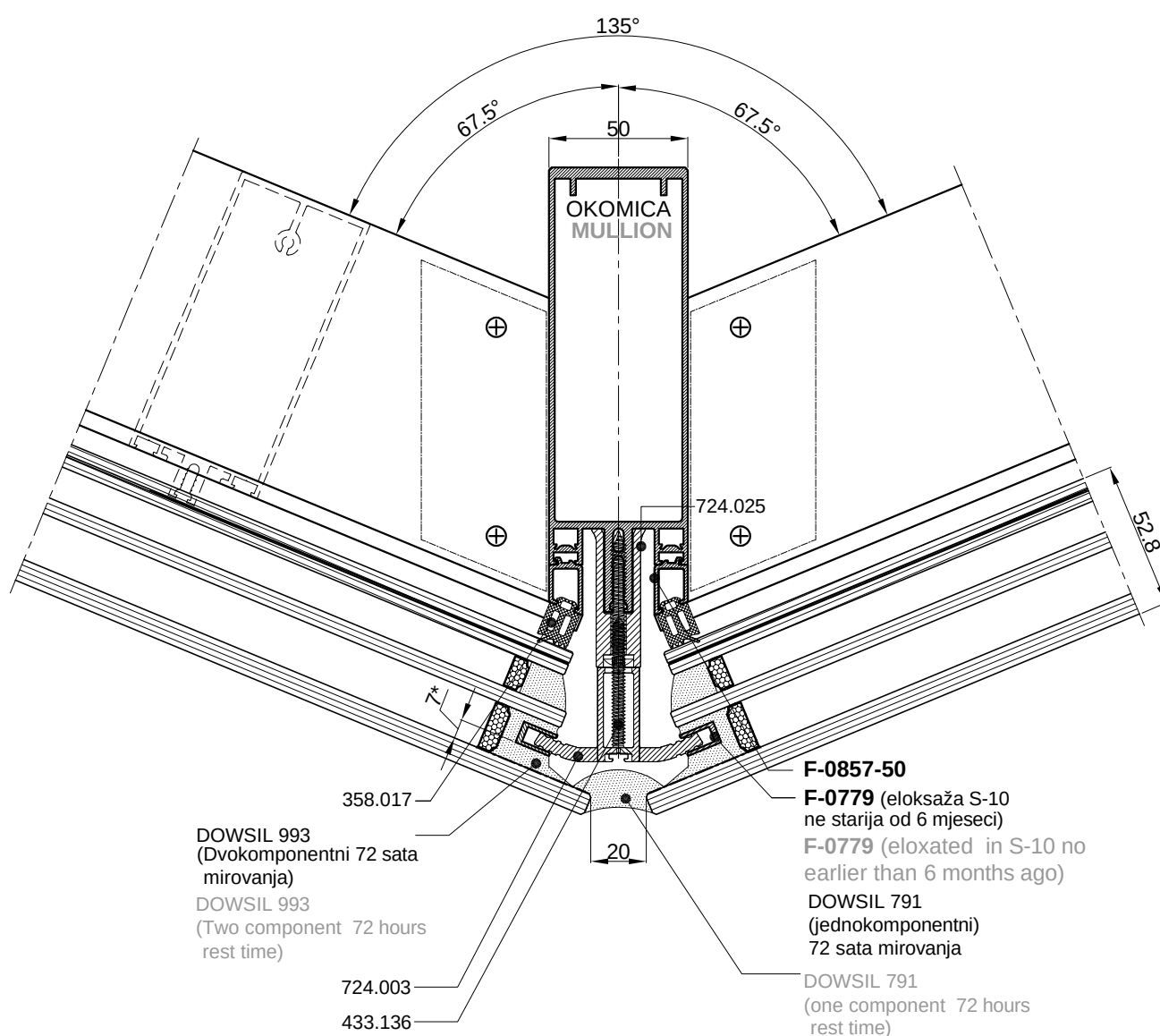
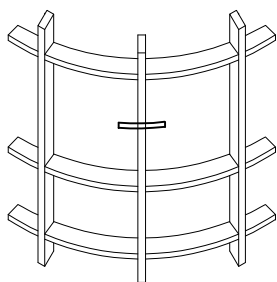


Napomena Notice:

Izrada klizača pod kutom za kuteve fasada je odgovornost proizvođača.
Making of angled sliders for facade corners is manufacturer's responsibility

DEBLJINA STRUKTURALNOG KITA min 6mm

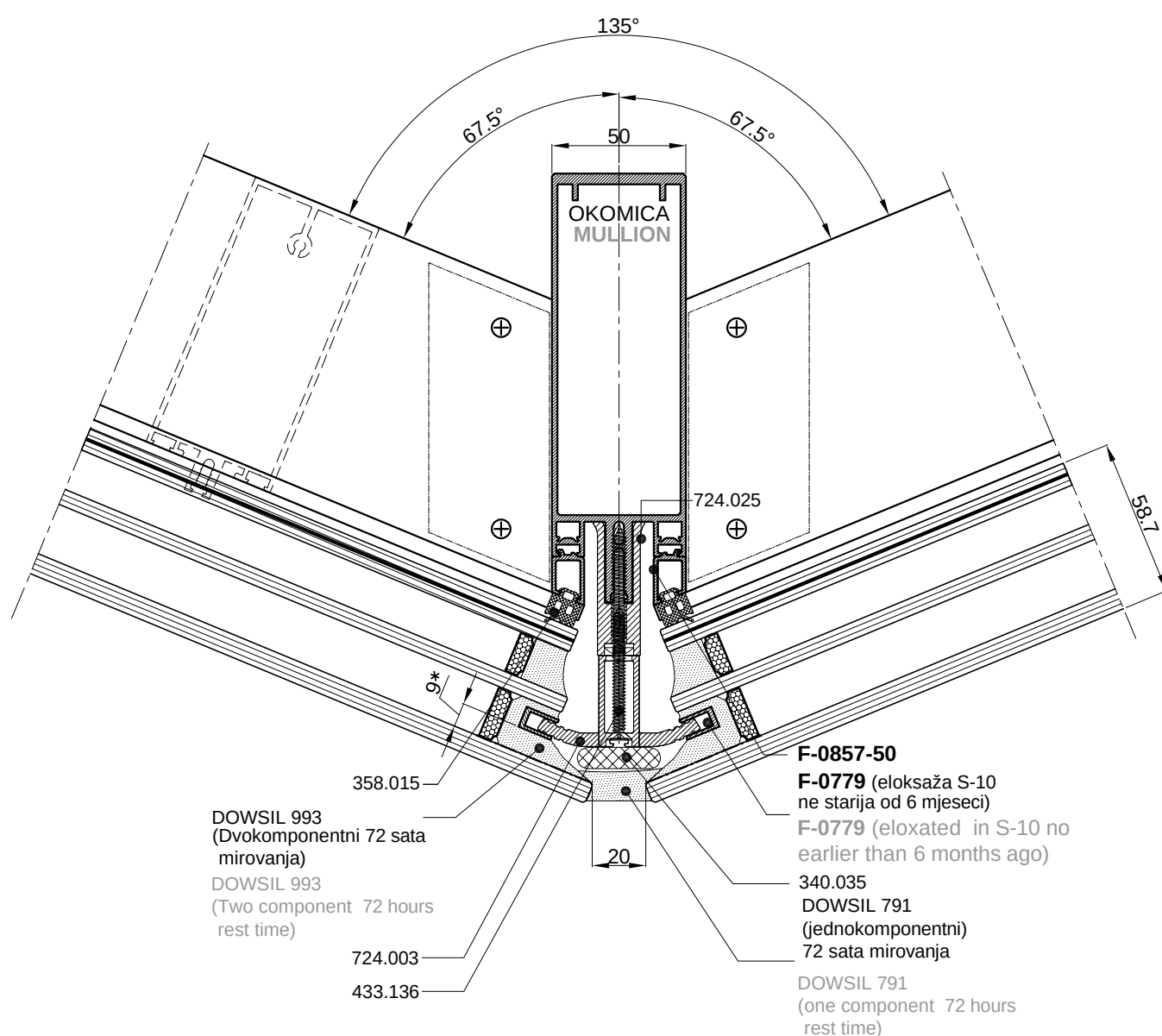
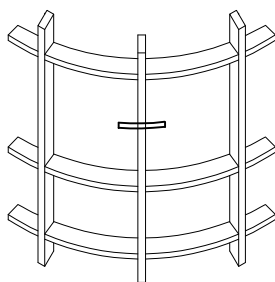
STRUCTURAL SEALANT THICKNESS min 6mm



Napomena Notice:

Izrada klizača pod kutom za kuteve fasada je odgovornost proizvođača.
Making of angled sliders for facade corners is manufacturer's responsibility

DEBLJINA STRUKTURALNOG KITA min 6mm
STRUCTURAL SEALANT THICKNESS min 6mm

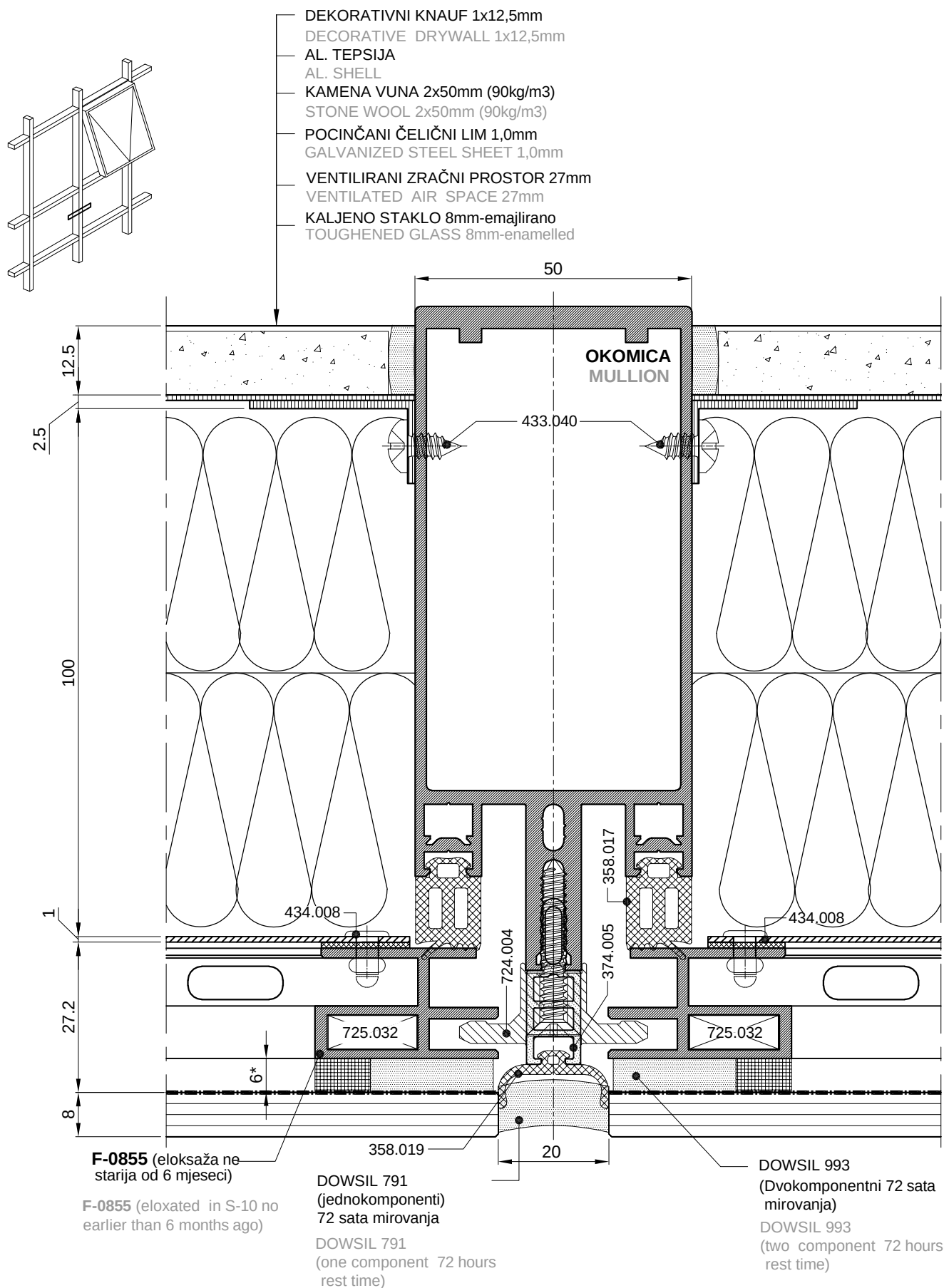


Napomena Notice:

Izrada klizača pod kutom za kuteve fasada je odgovornost proizvođača.
Making of angled sliders for facade corners is manufacturer's responsibility

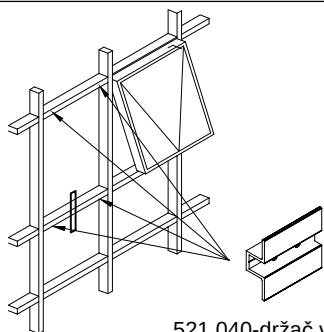
DEBLJINA STRUKTURALNOG KITA min 6mm

STRUCTURAL SEALANT THICKNESS min 6mm



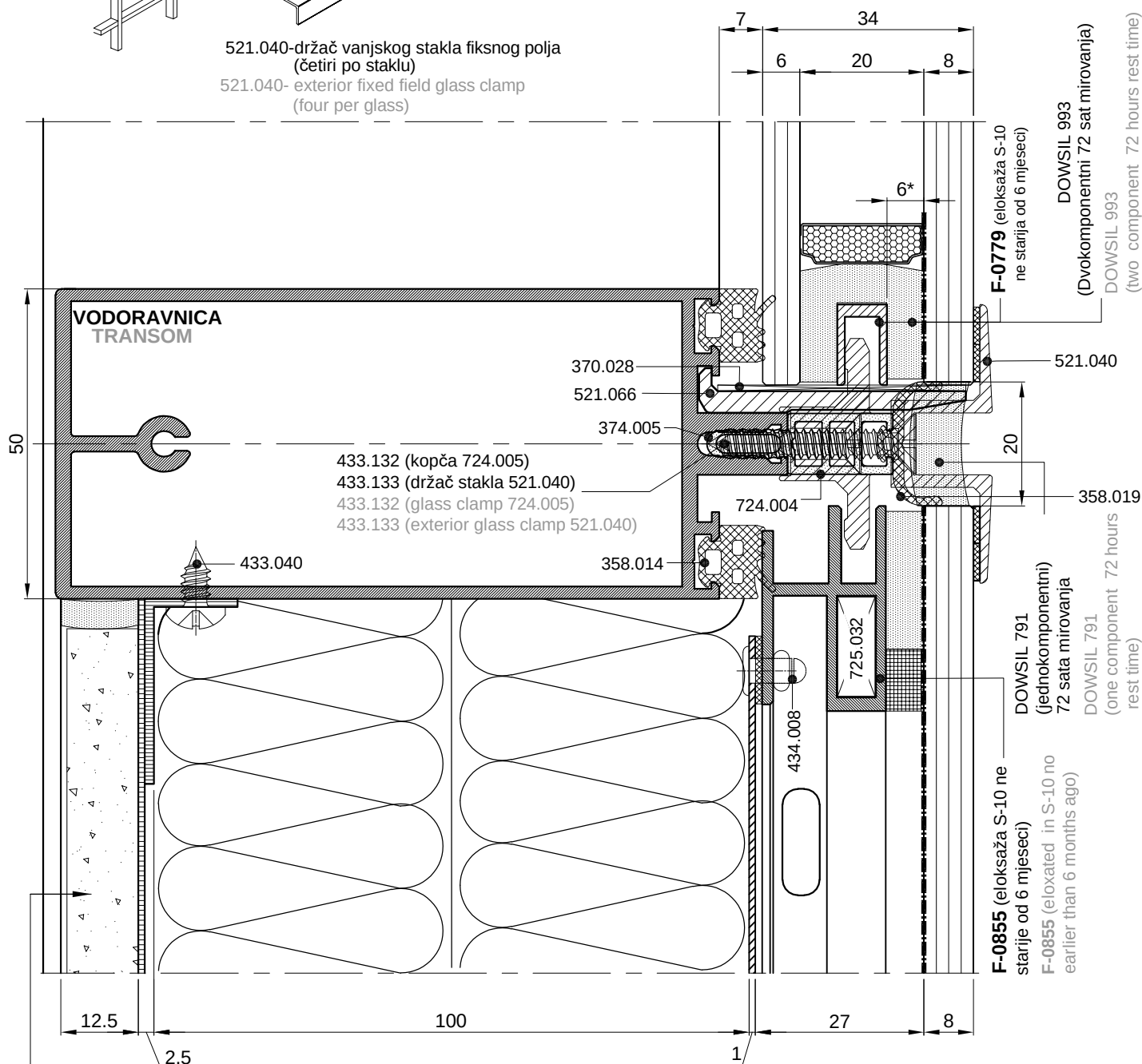
DEBLJINA STRUKTURALNOG KITA min 6mm

STRUCTURAL SEALANT THICKNESS min 6mm



521.040-držač vanjskog stakla fiksno polja
(četiri po staklu)

521.040- exterior fixed field glass clamp
(four per glass)



DEKORATIVNI KNAUF 1x12,5mm
DECORATIVE DRYWALL 1x12,5mm

AL. TEP SIJA

AL. SHELL

KAMENA VUNA 2x50mm (90kg/m3)

STONE WOOL 2x50mm (90kg/m³)

POCINČANI ČELIČNI LIM 1.0mm

GALVANIZED STEEL SHEET 1.0mm

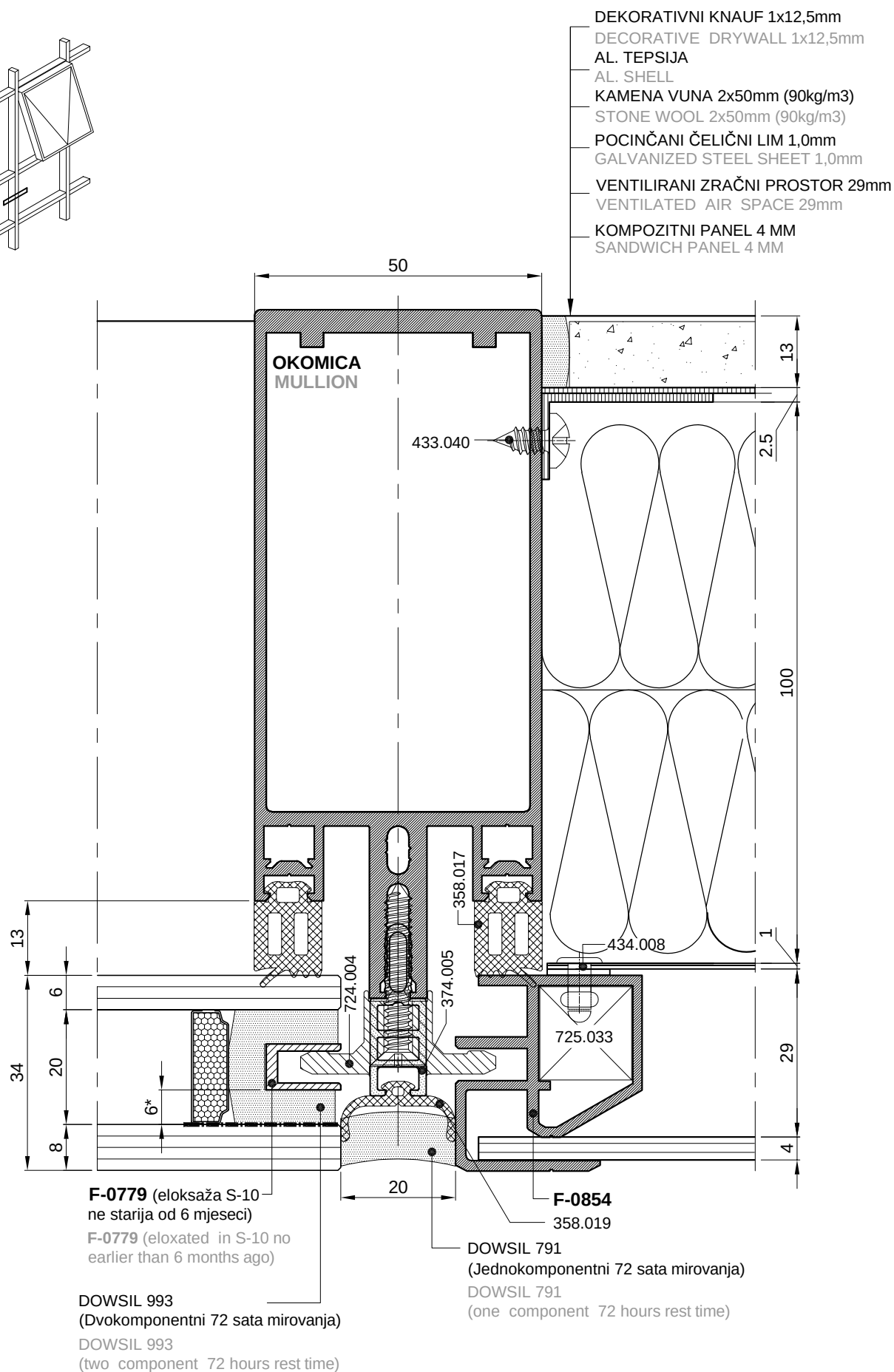
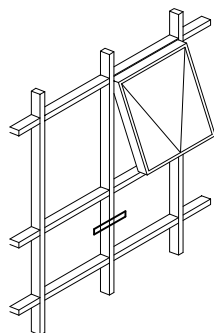
VENTILIRANI ZRAČNI PROSTOR 23mm

VENTILIRANI ZRACNI PROSTOR
VENTILATED AIR SPACE 27mm

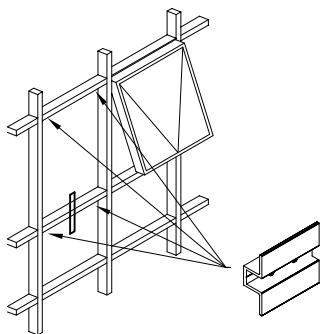
KALJENO STAKLO 8mm-emajlirano
TOUGHENED GLASS 8mm-enamelled

DEBLJINA STRUKTURALNOG KITA min 6mm

STRUCTURAL SEALANT THICKNESS min 6mm

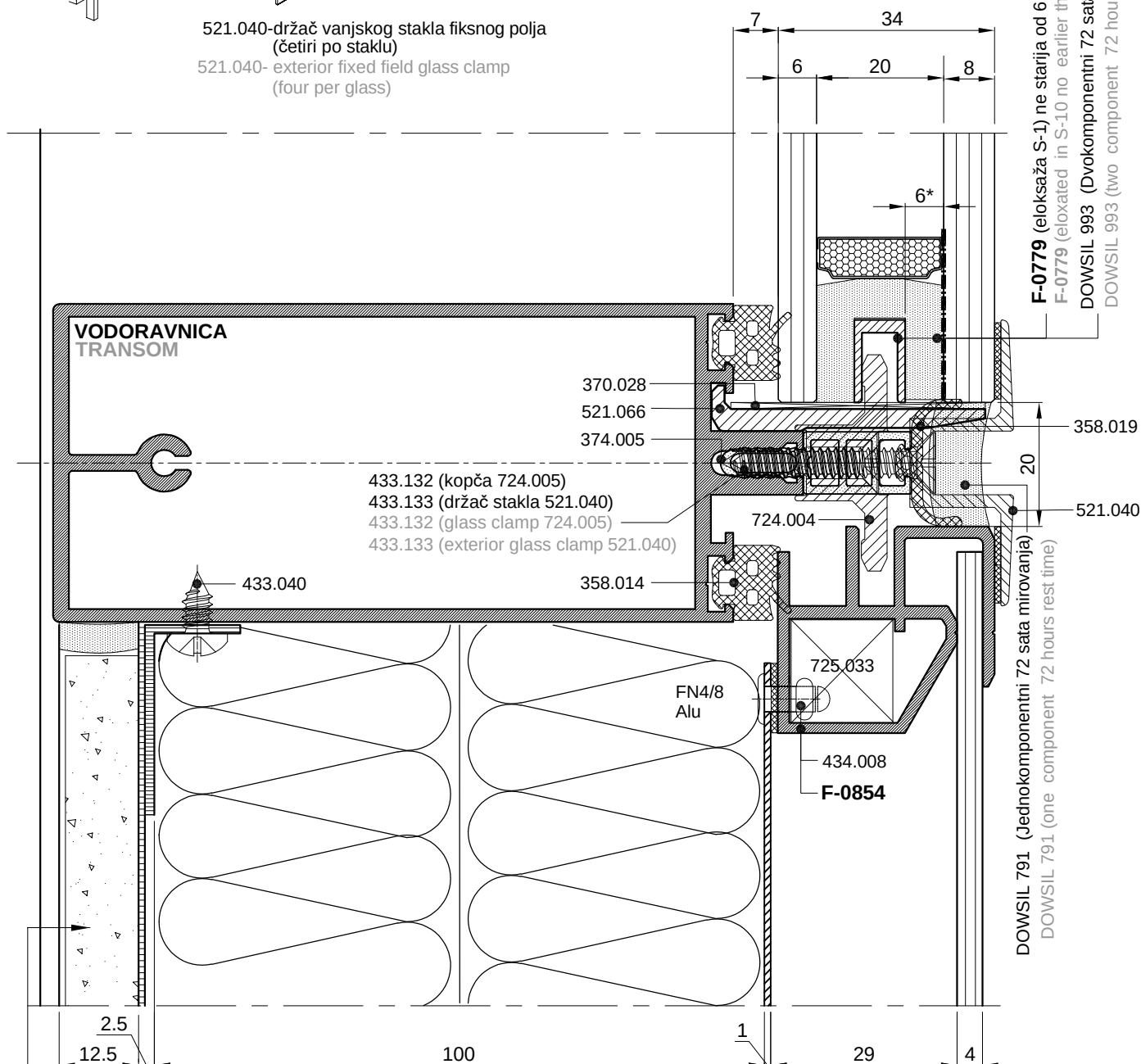


DEBLJINA STRUKTURALNOG KITA min 6mm *STRUCTURAL SEALANT THICKNESS min 6mm*



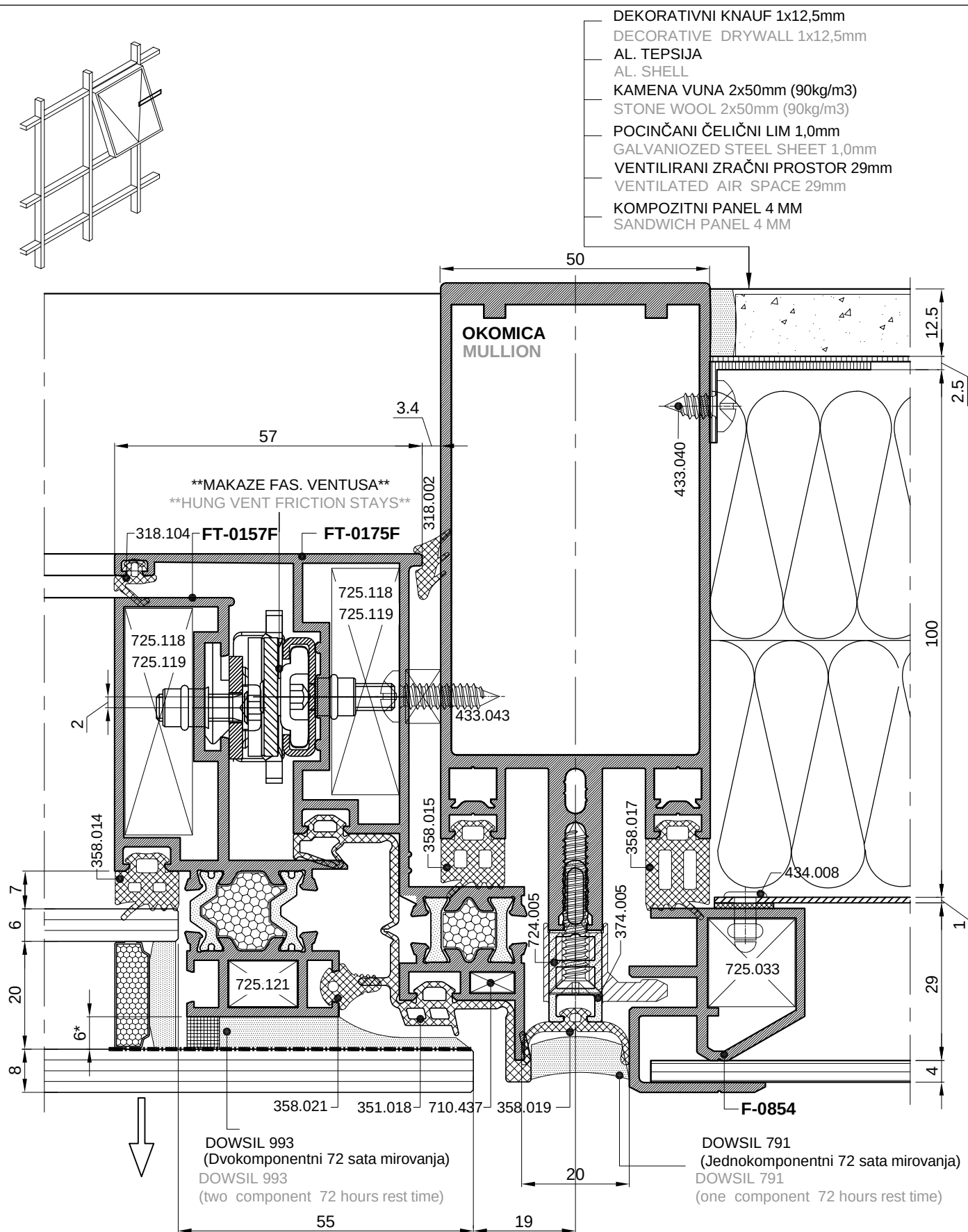
521.040-držač vanjskog stakla fiksnog polja
(četiri po staklu)

521.040- exterior fixed field glass clamp
(four per glass)



DEKORATIVNI KNAUF 1x12,5mm
DECORATIVE DRYWALL 1x12,5mm
AL. TEPSIJA
AL. SHELL
KAMENA VUNA 2x50mm (90kg/m3)
STONE WOOL 2x50mm (90kg/m3)
POCINČANI ČELIČNI LIM 1,0mm
GALVANIZED STEEL SHEET 1,0mm
VENTILIRANI ZRAČNI PROSTOR 29mm
VENTILATED AIR SPACE 29mm
KOMPOZITNI PANEL 4 MM
SANDWICH PANEL 4 MM

DEBLJINA STRUKTURALNOG KITA min 6mm *STRUCTURAL SEALANT THICKNESS min 6mm*



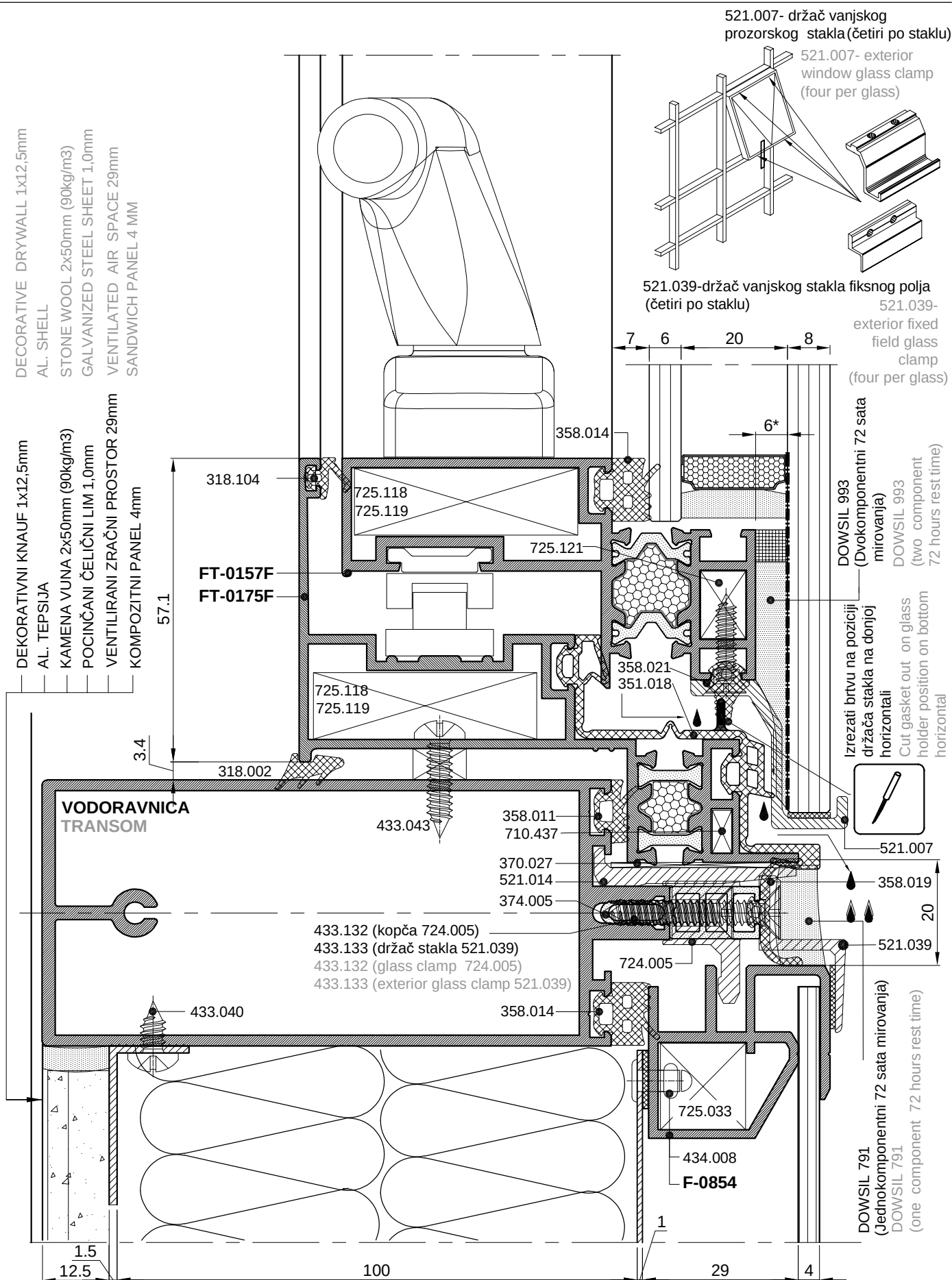
***VANJSKA STRANA PROFILA FT-0157F NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI

***EXTERIOR SIDE OF PROFILE FT-0157 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO

MAKAZE FASADNOG VENTUSA SA ZAKOVANIM KLIZAČEM NC-1459

HUNG VENT FRICTION STAYS WITH BOLTED SLIDING BAR NC-1459

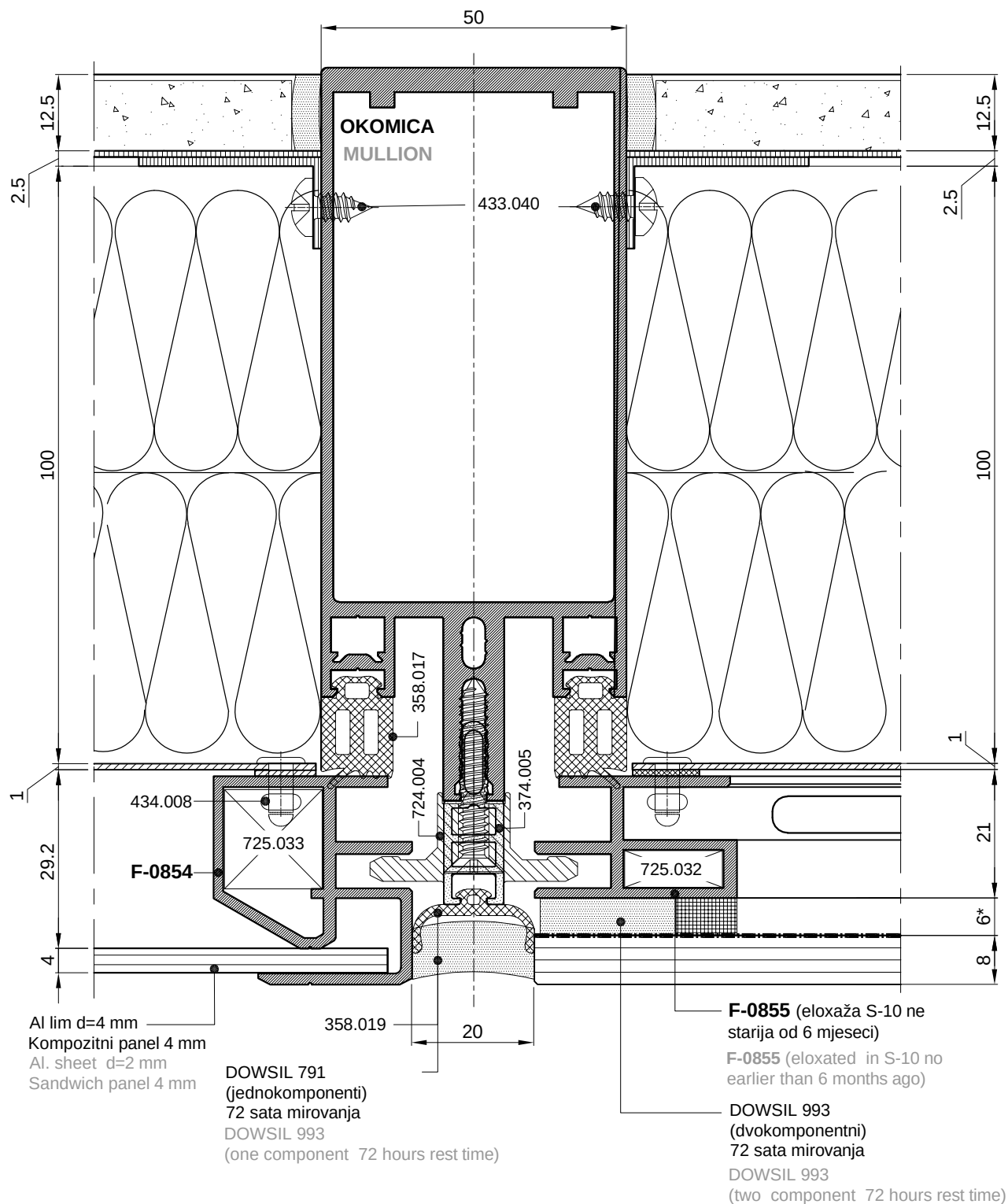
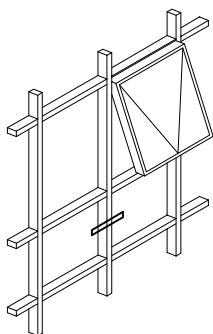
DEBLJINA STRUKTURALNOG KITA min 6mm *STRUCTURAL SEALANT THICKNESS min 6mm*

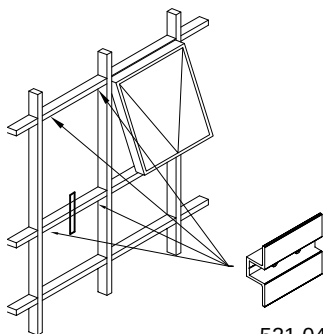


***VANJSKA STRANA PROFILA FT-0157F NA KOJU SE LIJEPI STAKLO MORA BITI ELOXIRANA U S-10 NE STARIJA OD 6 MJESECI

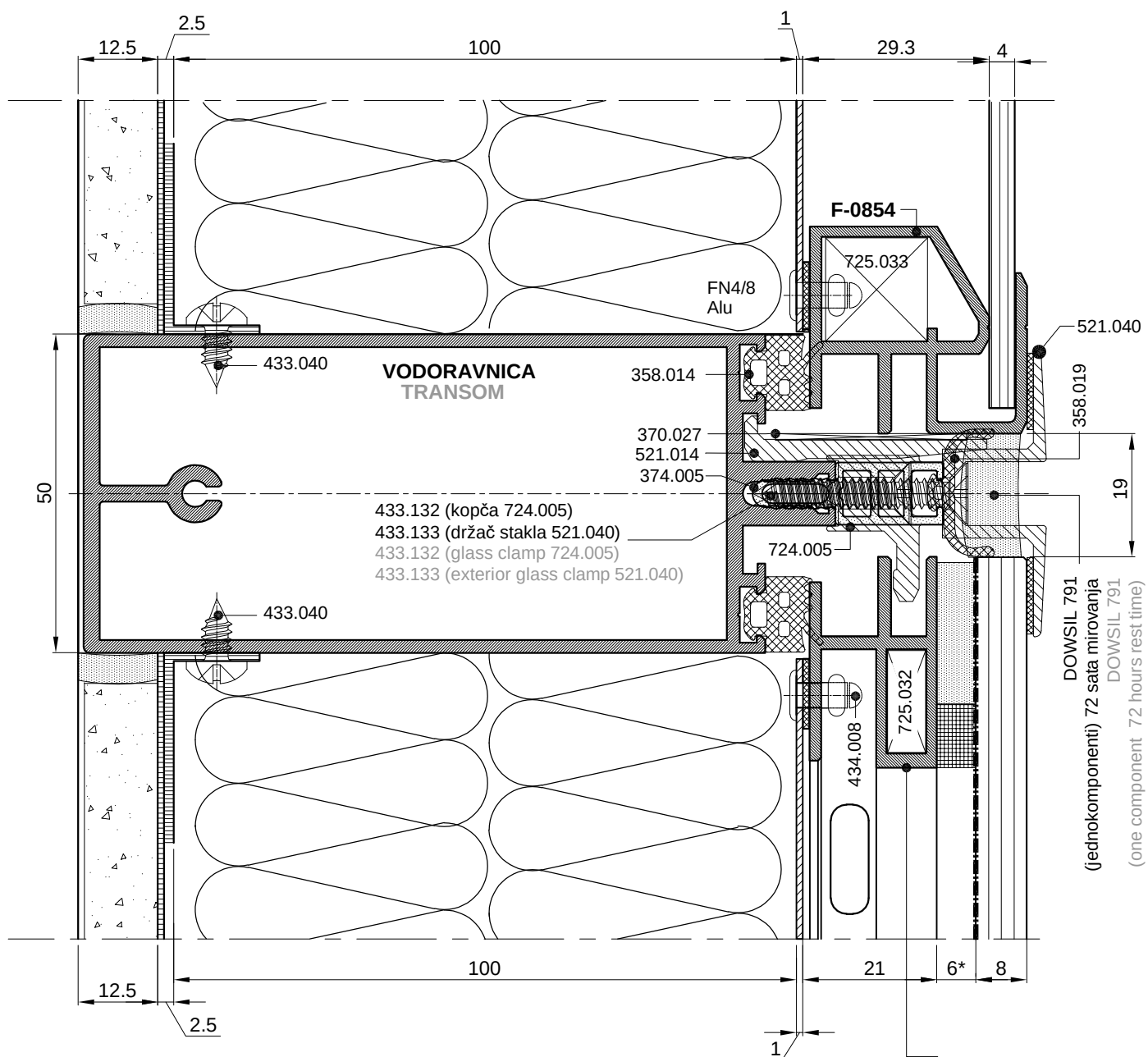
***EXTERIOR SIDE OF PROFILE FT-0157 ON WHICH THE GLASS IS GLUED MUST BE ELOXATED IN S-10 NO EARLIER THAN 6 MONTHS AGO

DEBLJINA STRUKTURALNOG KITA min 6mm *STRUCTURAL SEALANT THICKNESS min 6mm*





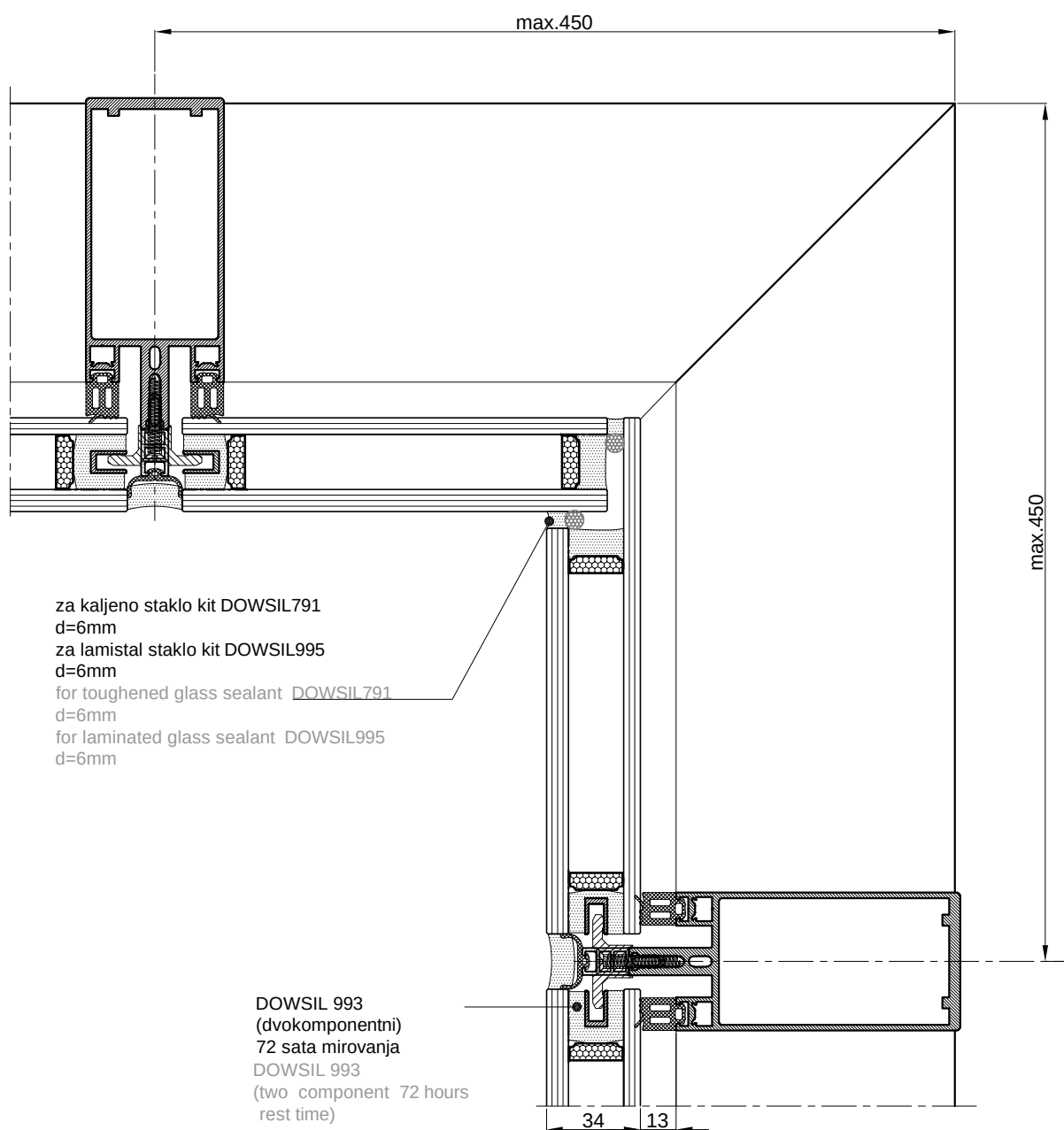
521.040-držač vanjskog stakla fiksnog polja
(četiri po staklu)
521.040- exterior fixed field glass clamp
(four per glass)



F-0855 (eloksaza S-10 ne starija od 6 mjeseci)

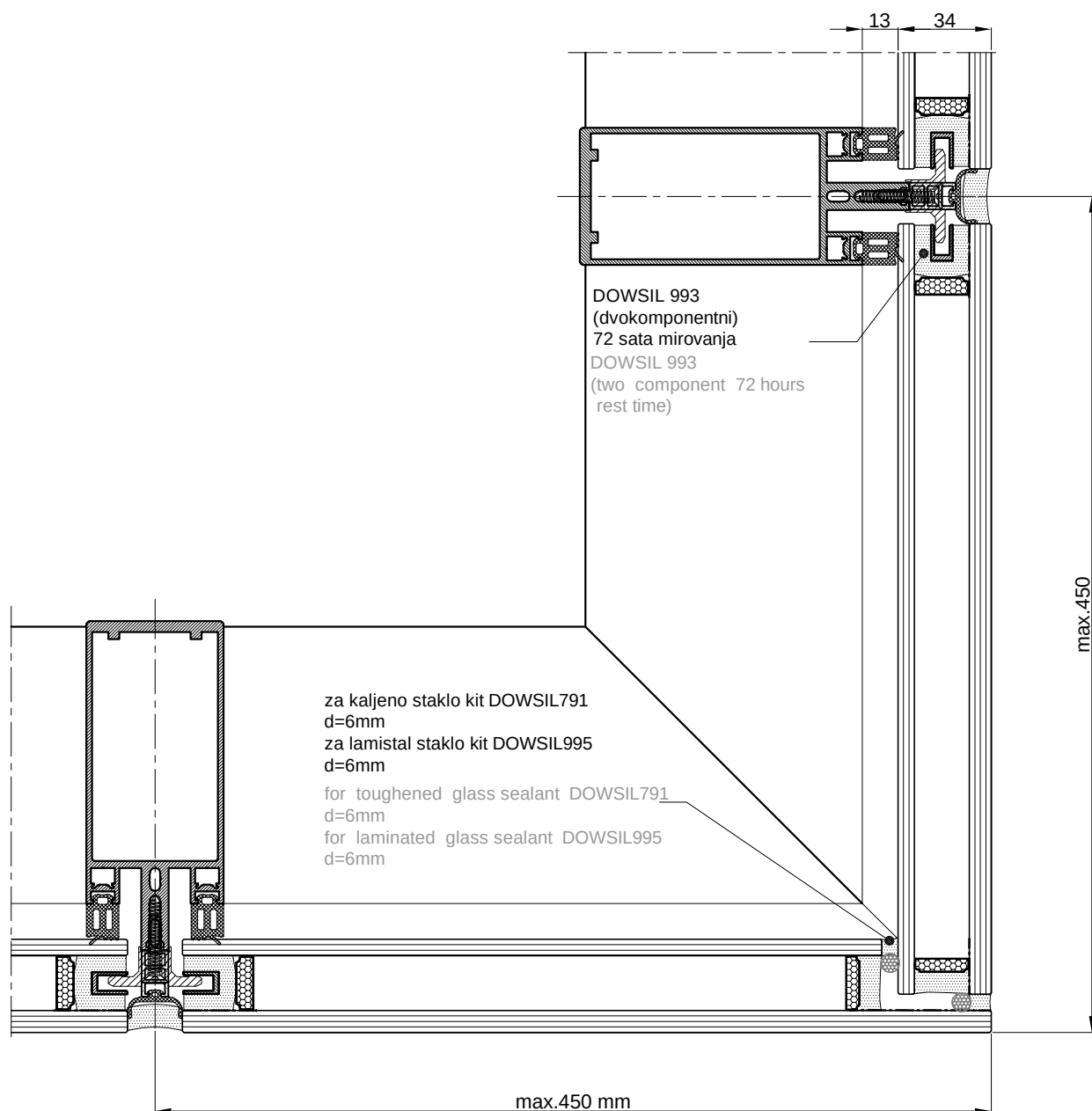
F-0855 (eloxated in S-10 no earlier than 6 months ago)

DEBLJINA STRUKTURALNOG KITA min 6mm *STRUCTURAL SEALANT THICKNESS min 6mm*



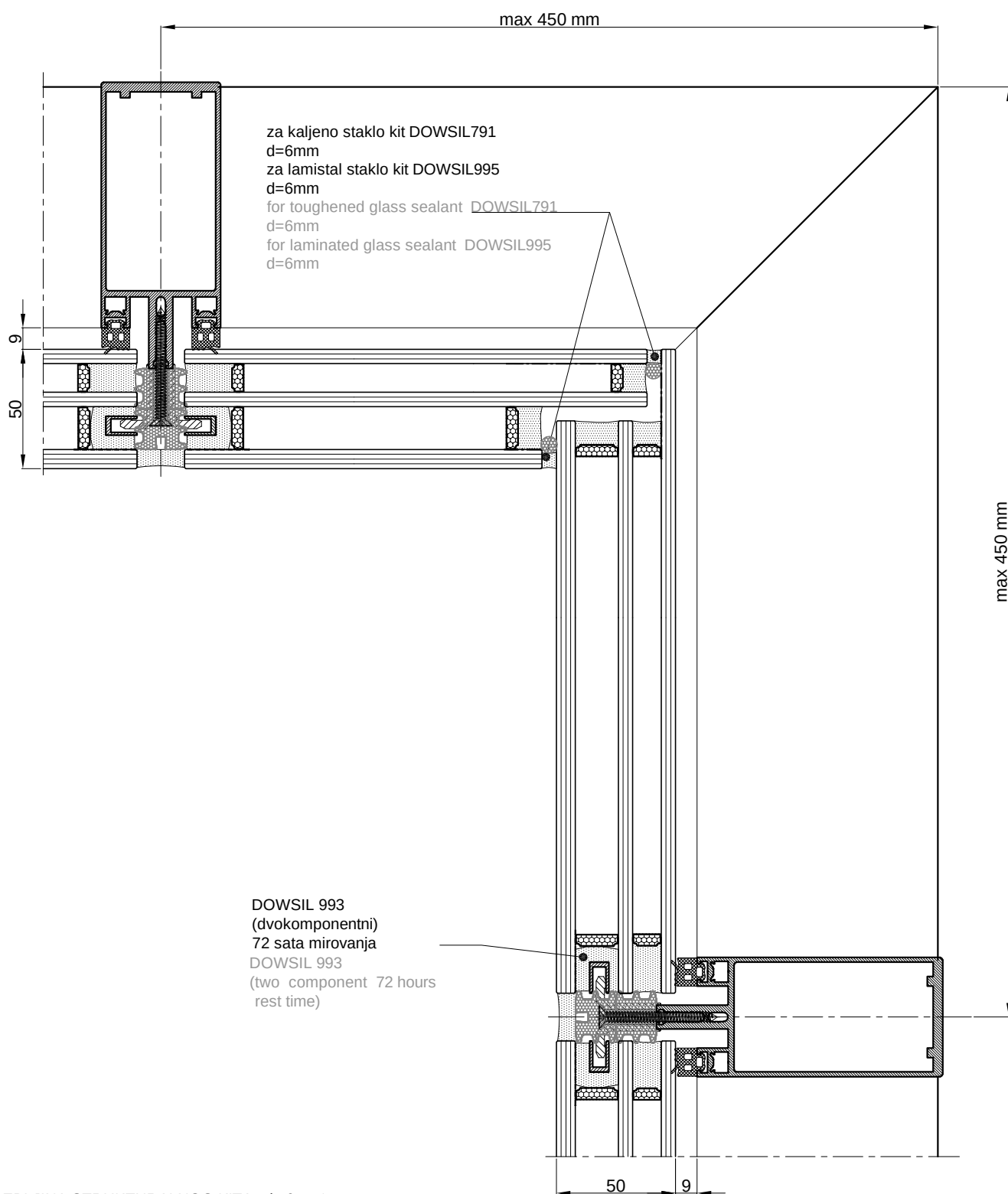
DEBLJINA STRUKTURALNOG KITA min 6mm

STRUCTURAL SEALANT THICKNESS min 6mm



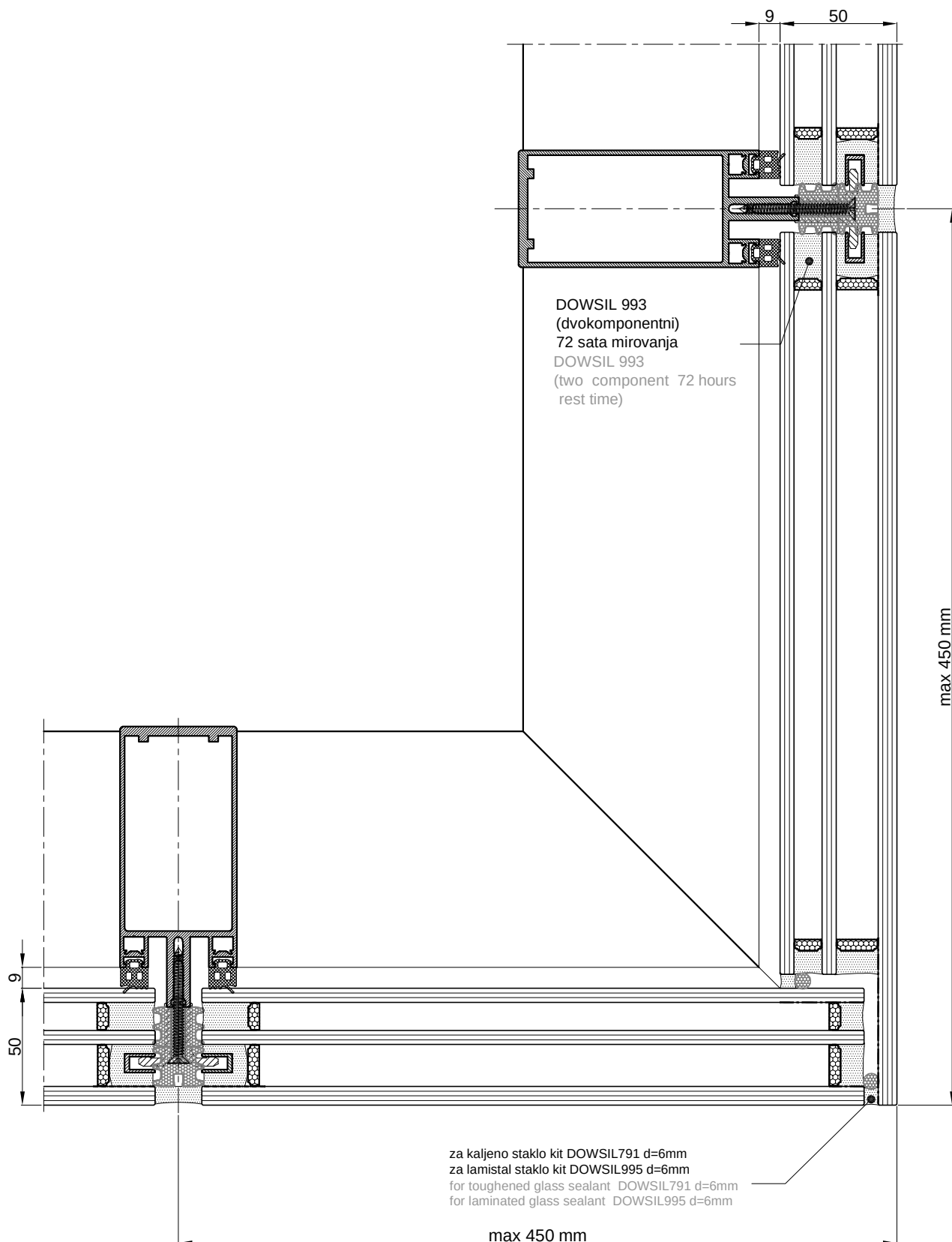
DEBLJINA STRUKTURALNOG KITA min 6mm

STRUCTURAL SEALANT THICKNESS min 6mm



DEBLJINA STRUKTURALNOG KITA min 6mm

STRUCTURAL SEALANT THICKNESS min 6mm



DEBLJINA STRUKTURALNOG KITA min 6mm

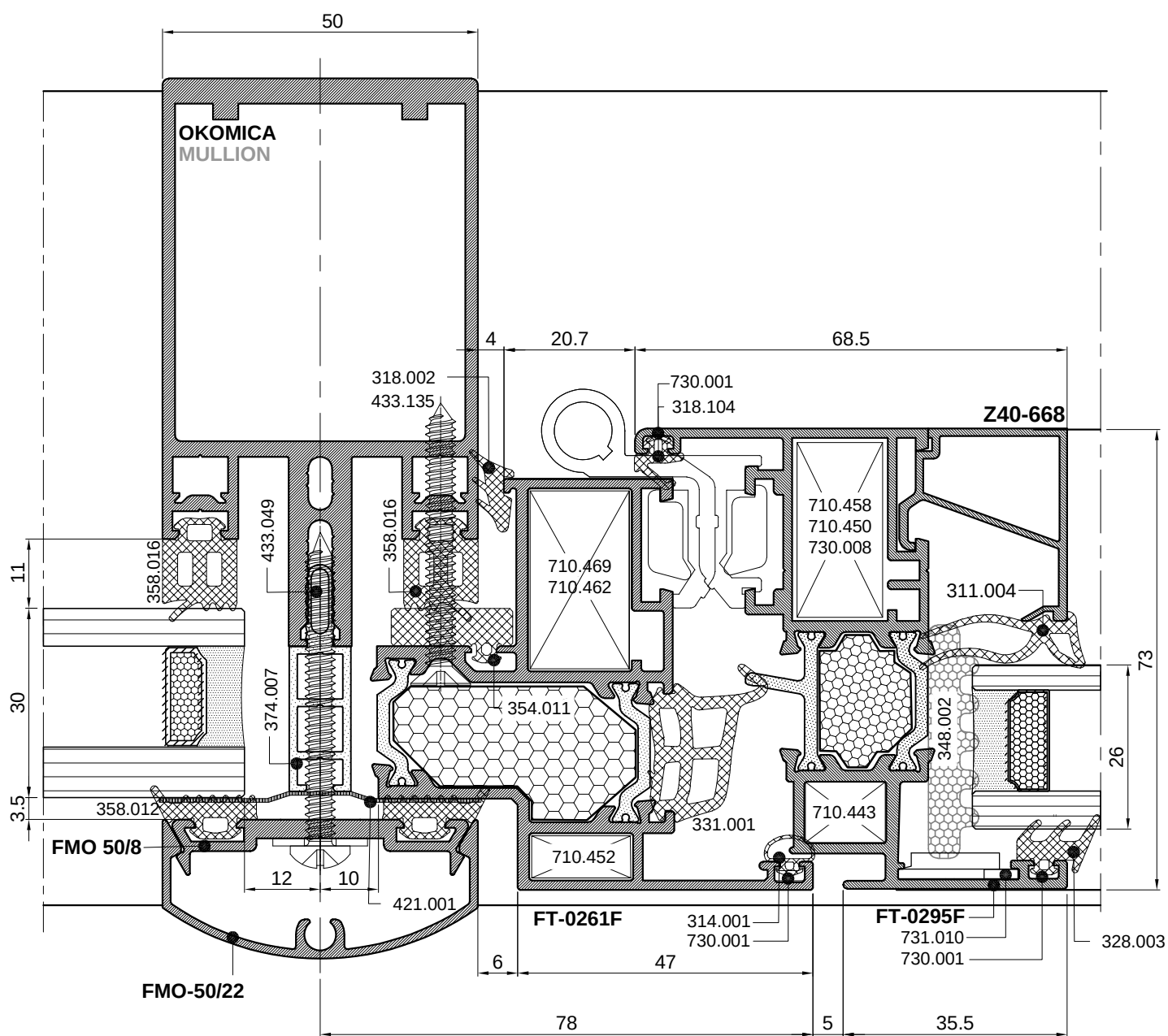
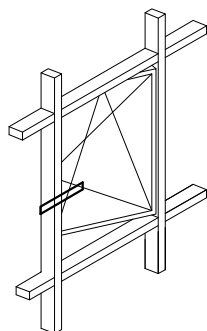
STRUCTURAL SEALANT THICKNESS min 6mm

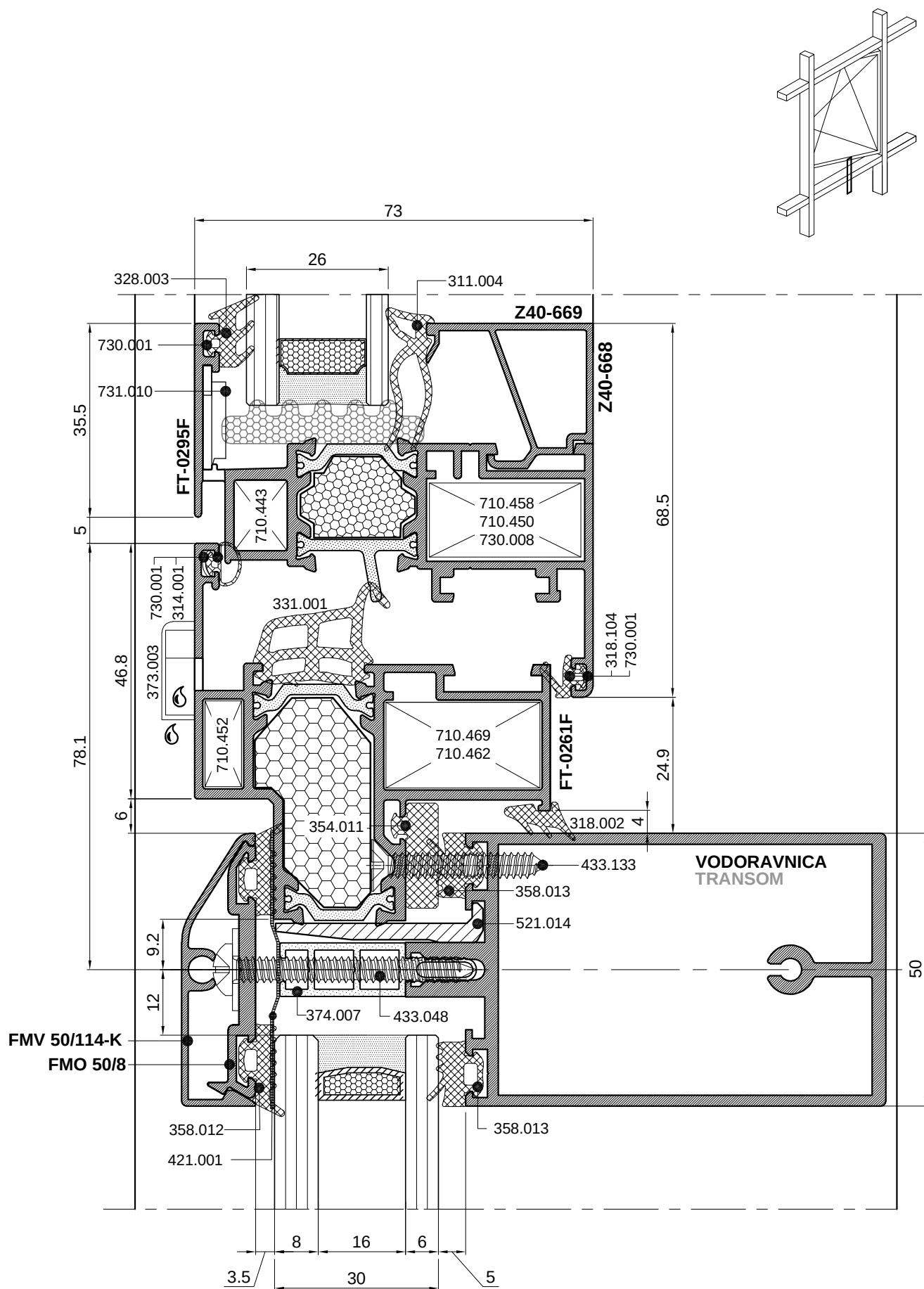
Spojevi fasade 50 FK sa serijama:

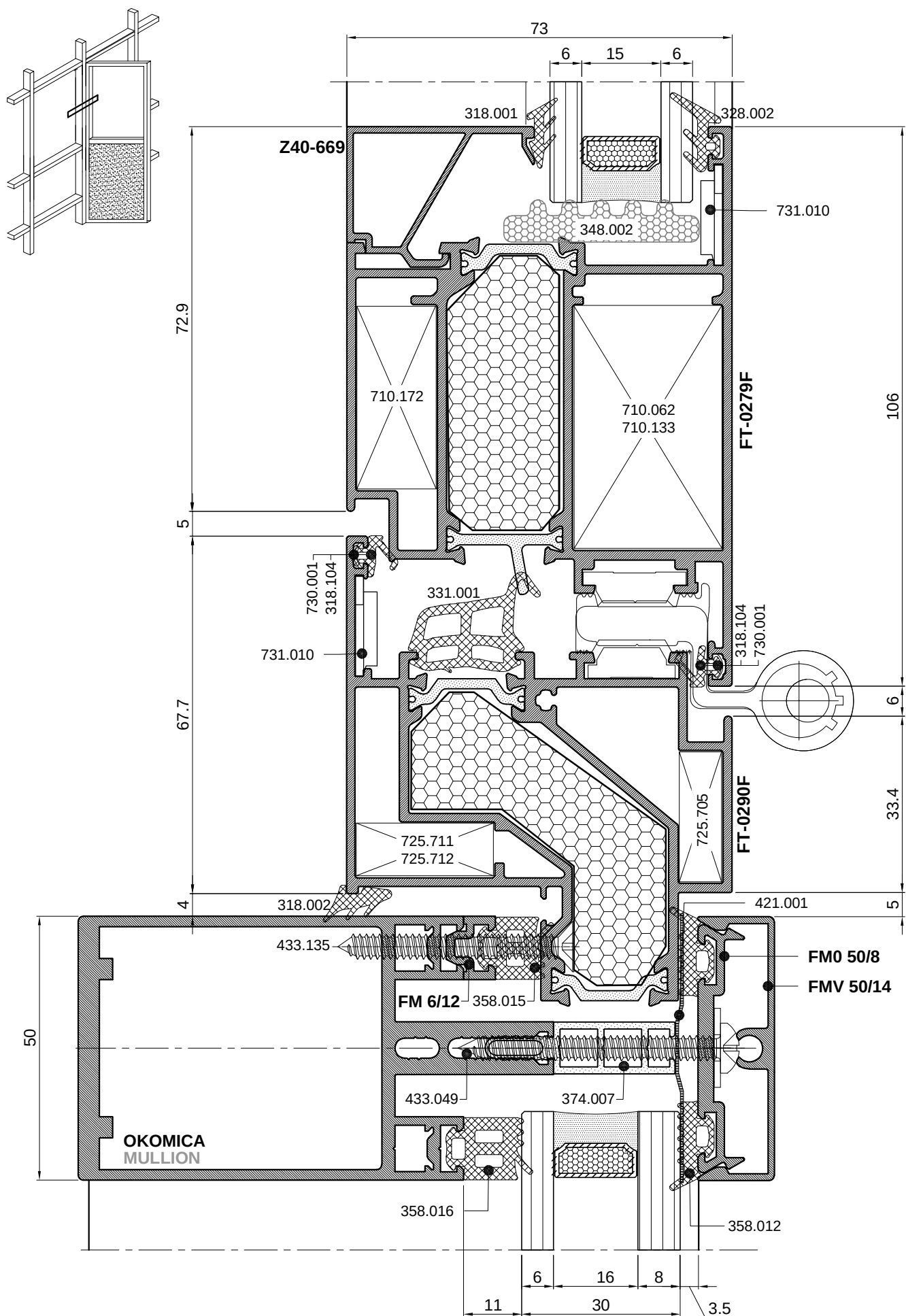
- Termo 65
- Termo 65 plus
- Termo 85
- Termo 85 SK
- Termo 85 PA
- Termo 65 VS
- Termo 85 VS
- Termo 120
- Termo 150
- Termo 150+
- Inowa
- Francuski balkon (sa Termo 85)
- Fiksni brisoleji

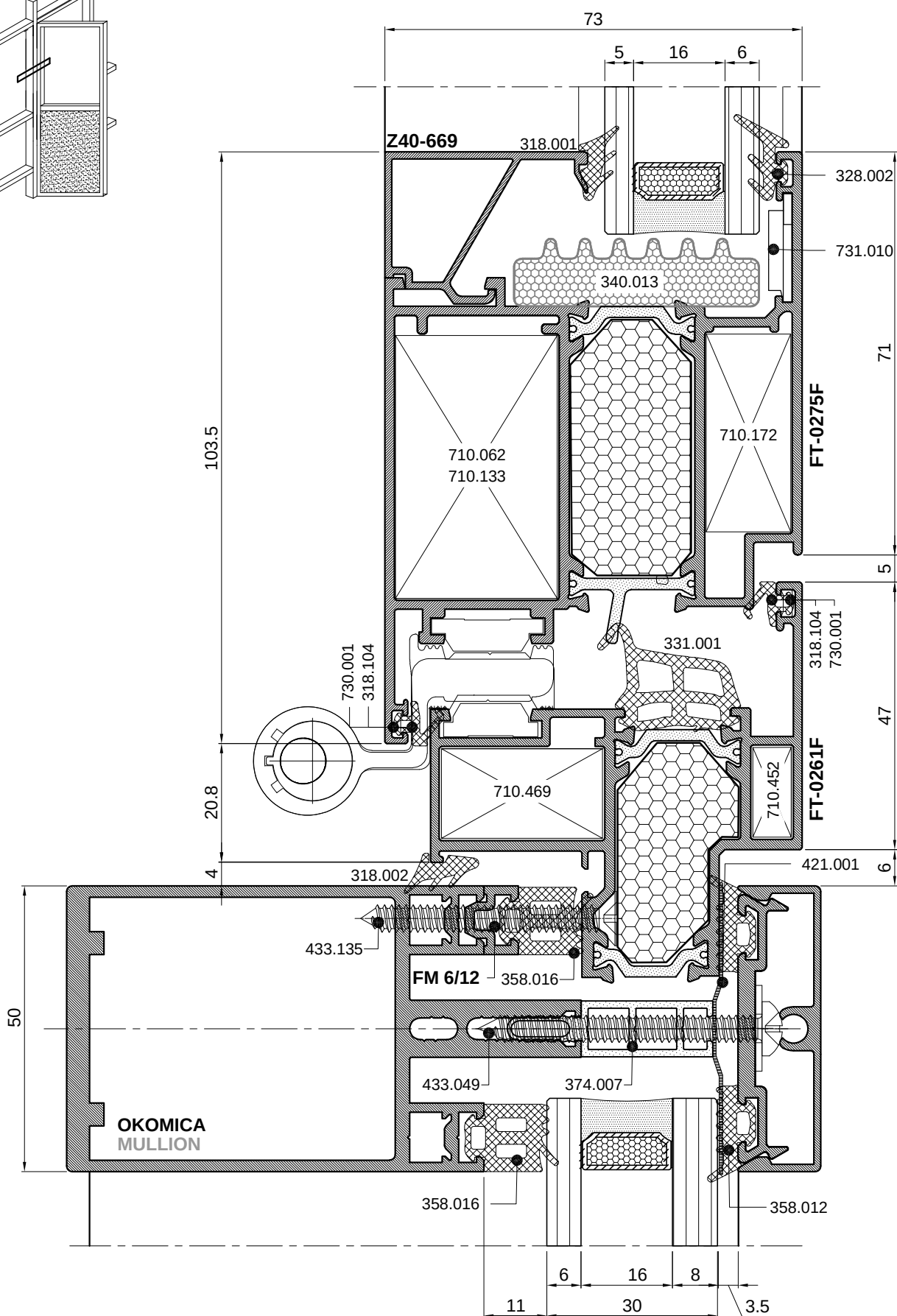
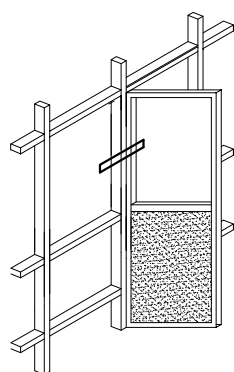
Connections of facade 50 FK with systems:

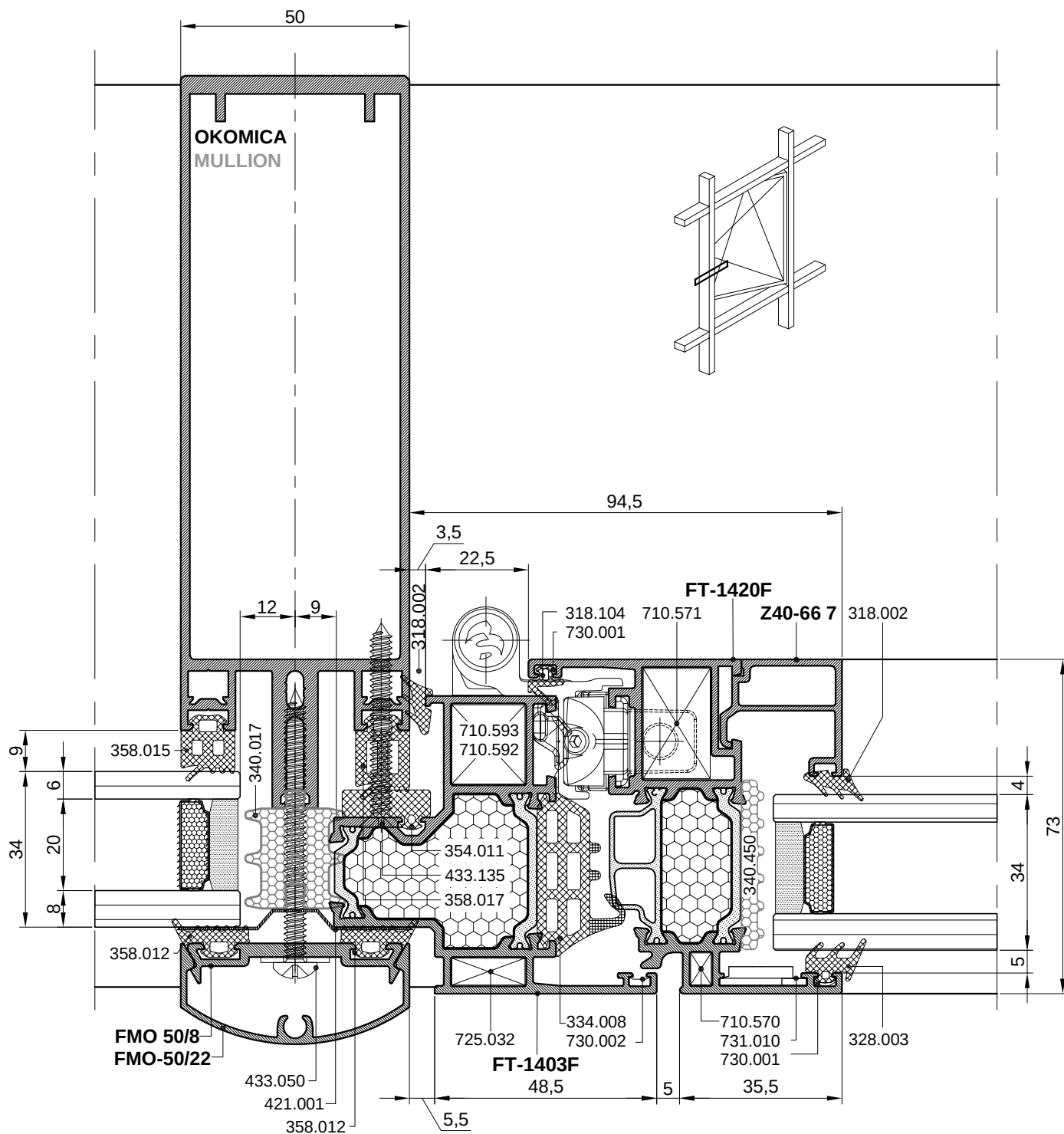
- Termo 65
- Termo 65 plus
- Termo 85
- Termo 85 SK
- Termo 85 PA
- Termo 65 VS
- Termo 85 VS
- Termo 120
- Termo 150
- Termo 150+
- Inowa
- French balcony (with Termo 85)
- Fixed sun breakers

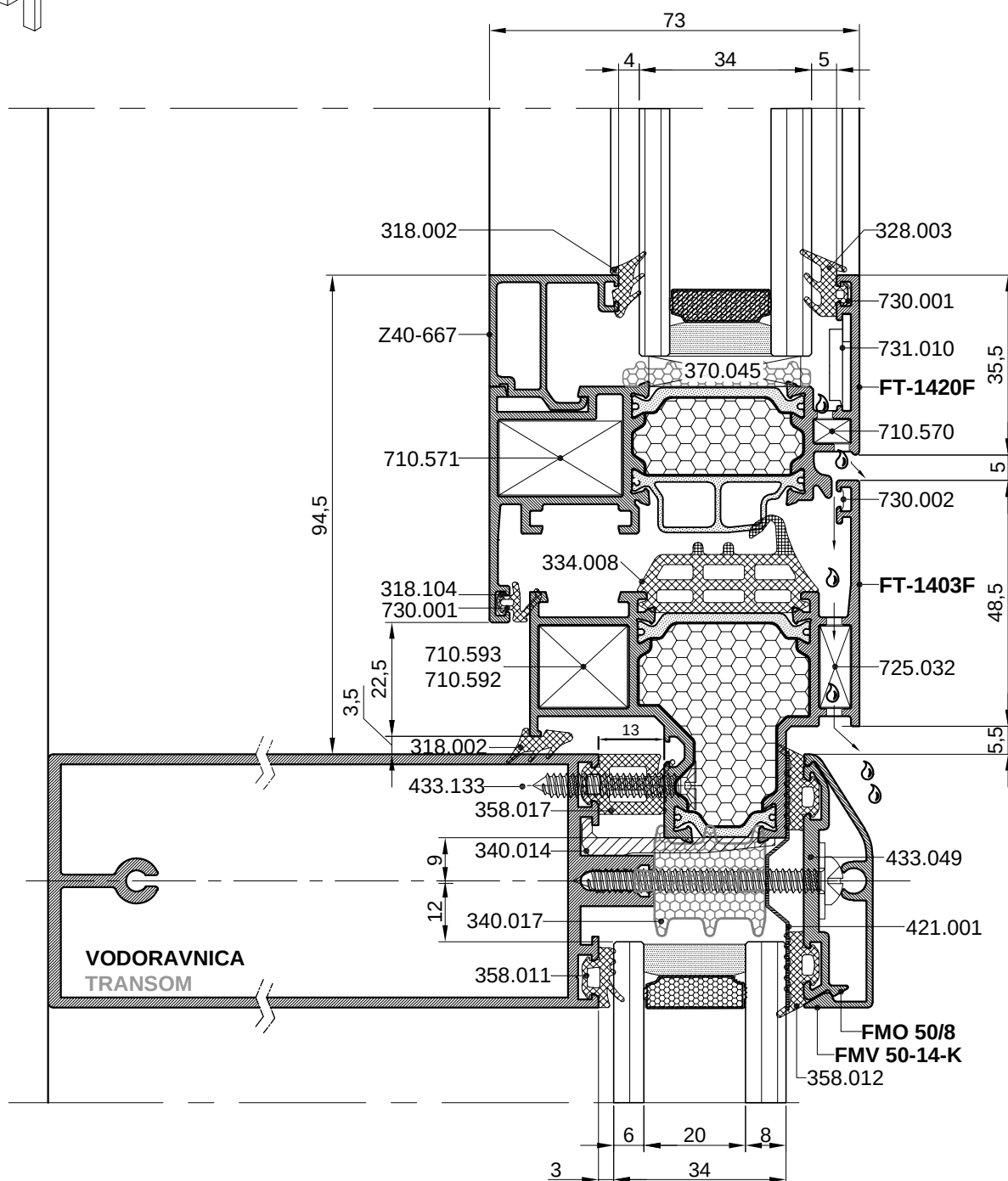
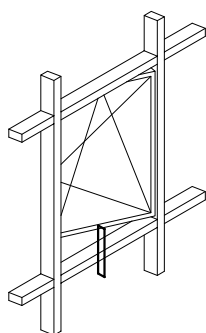


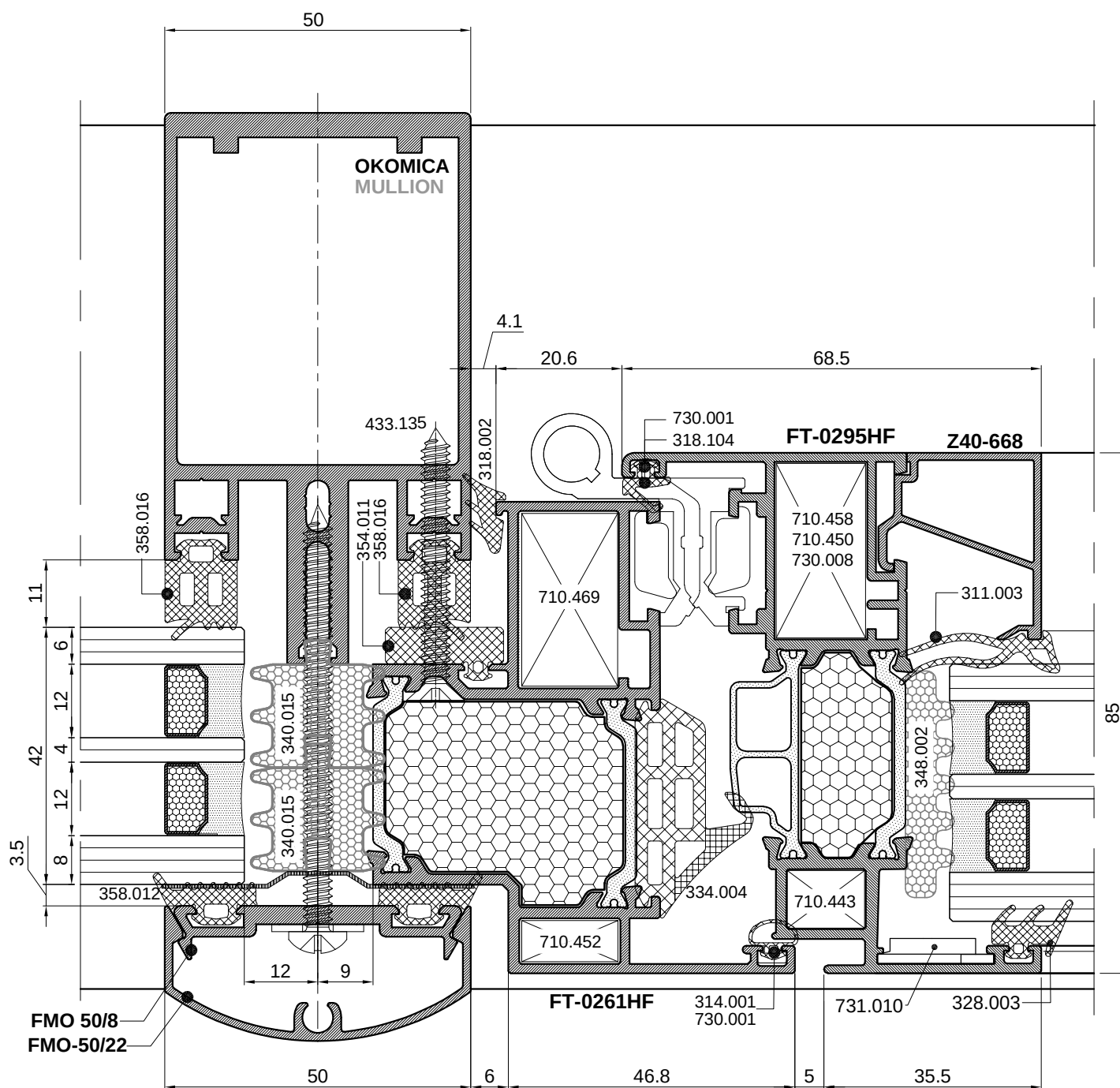
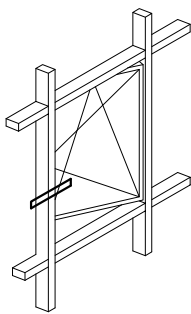


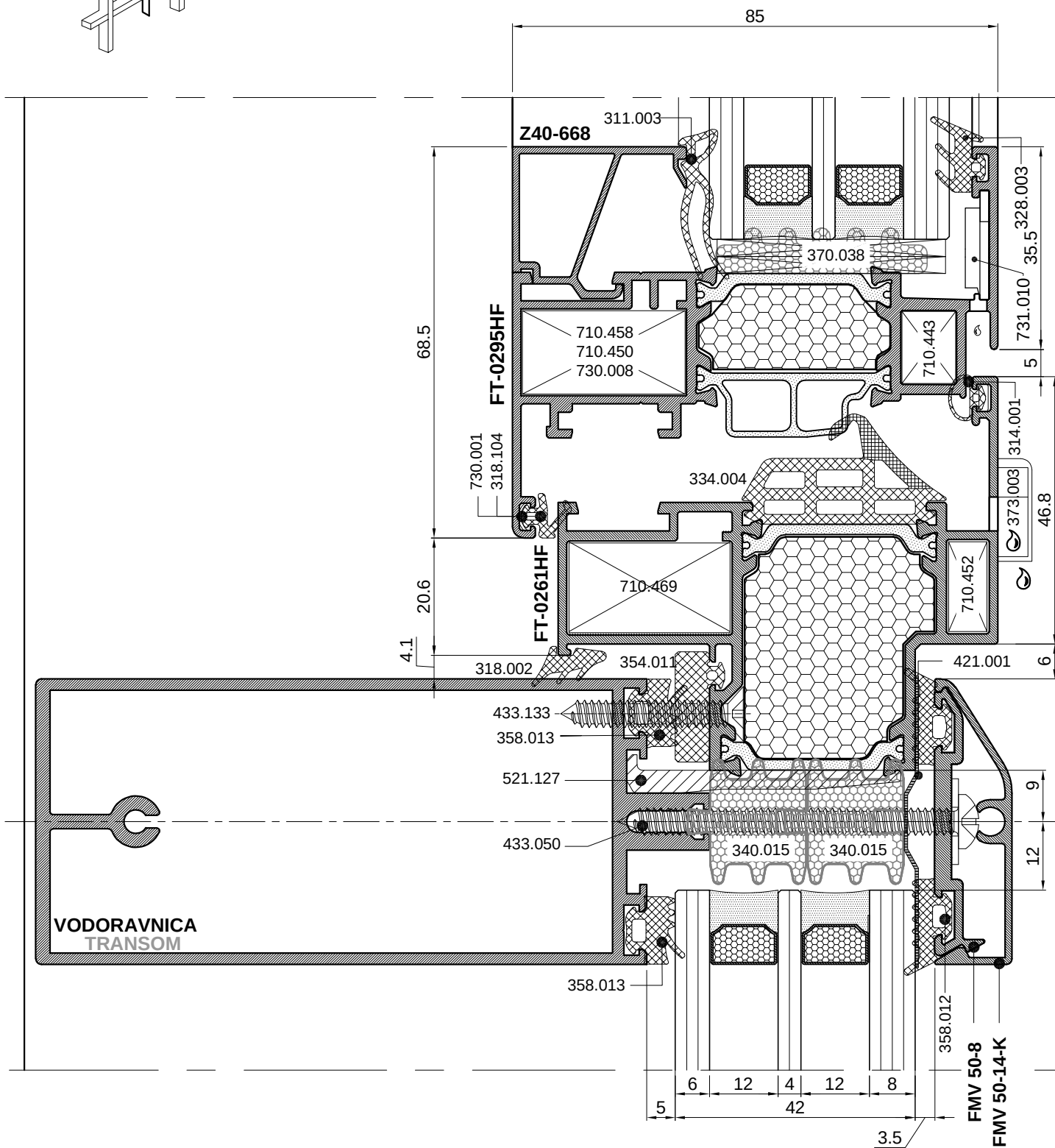
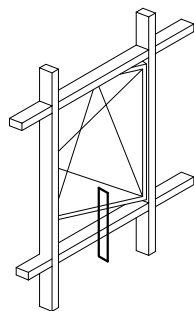


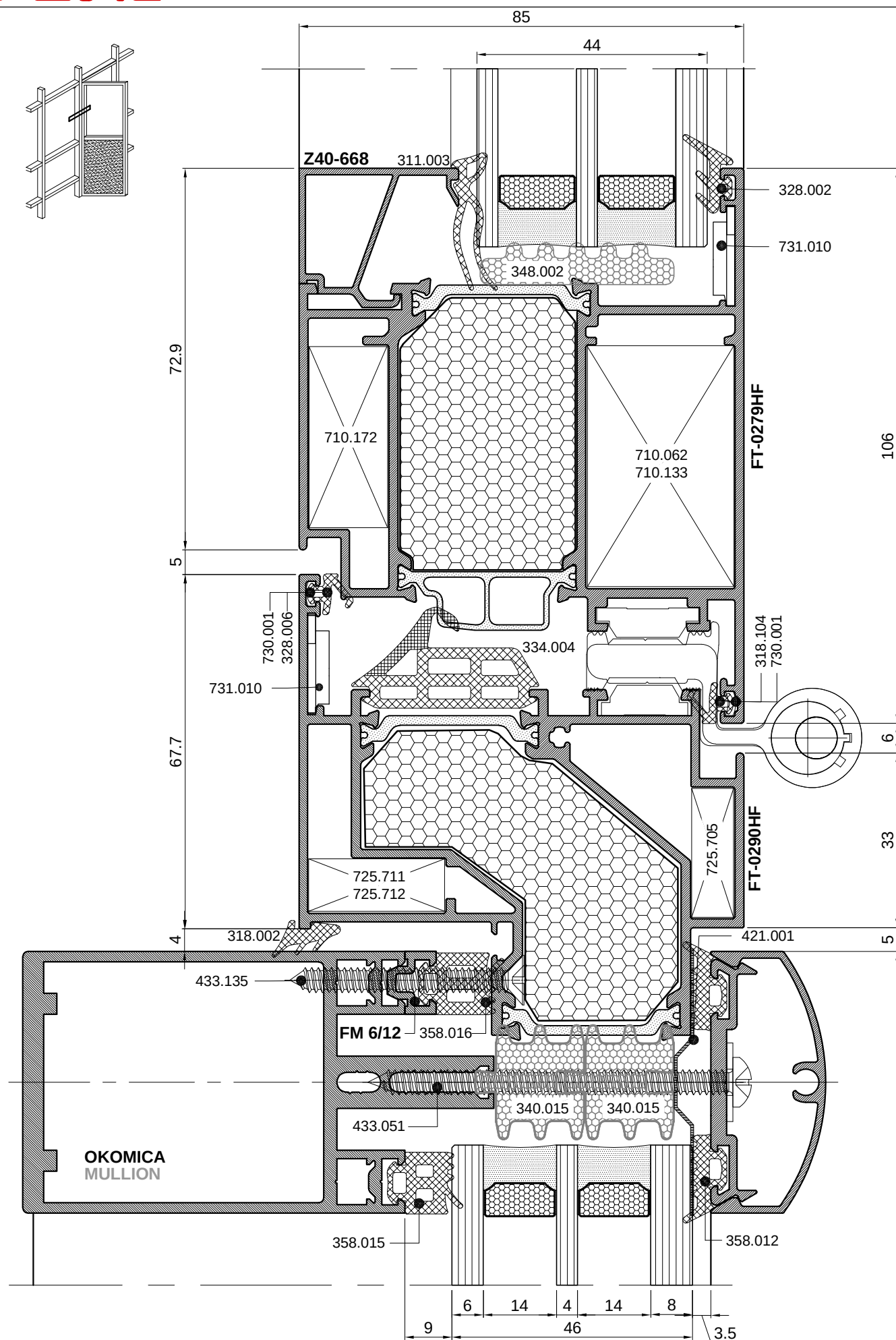


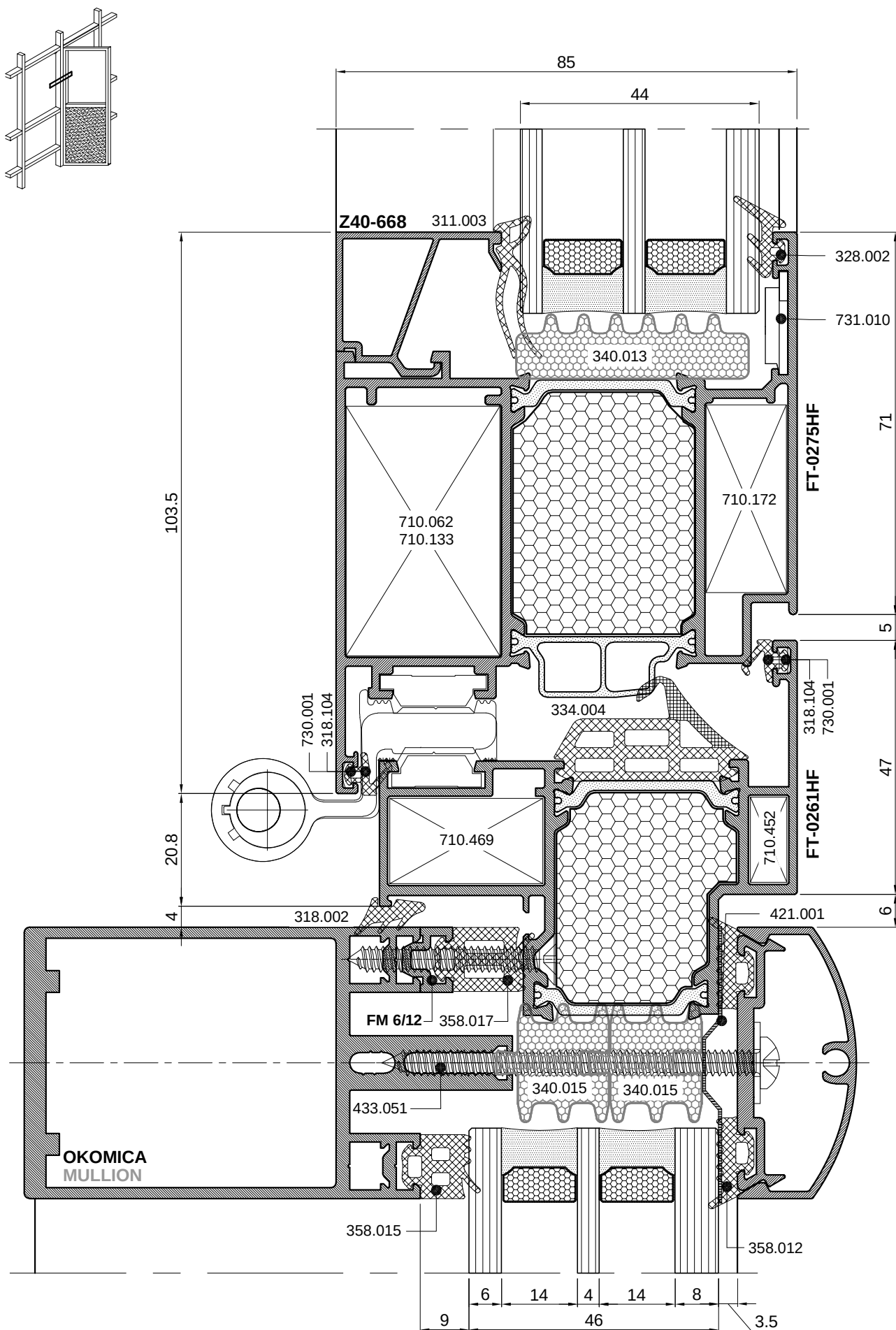


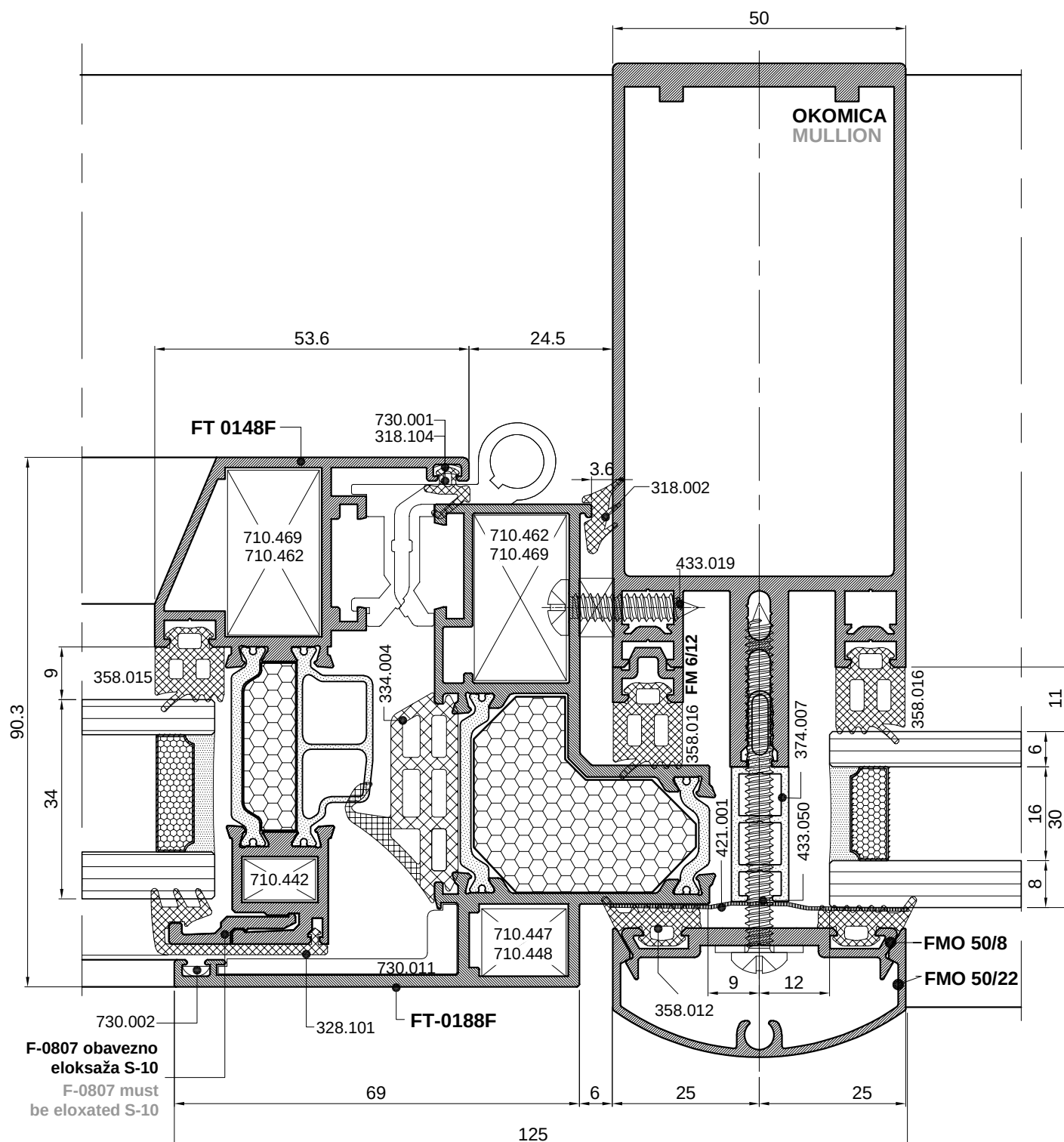
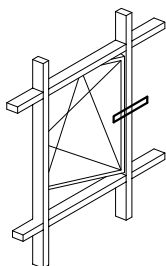


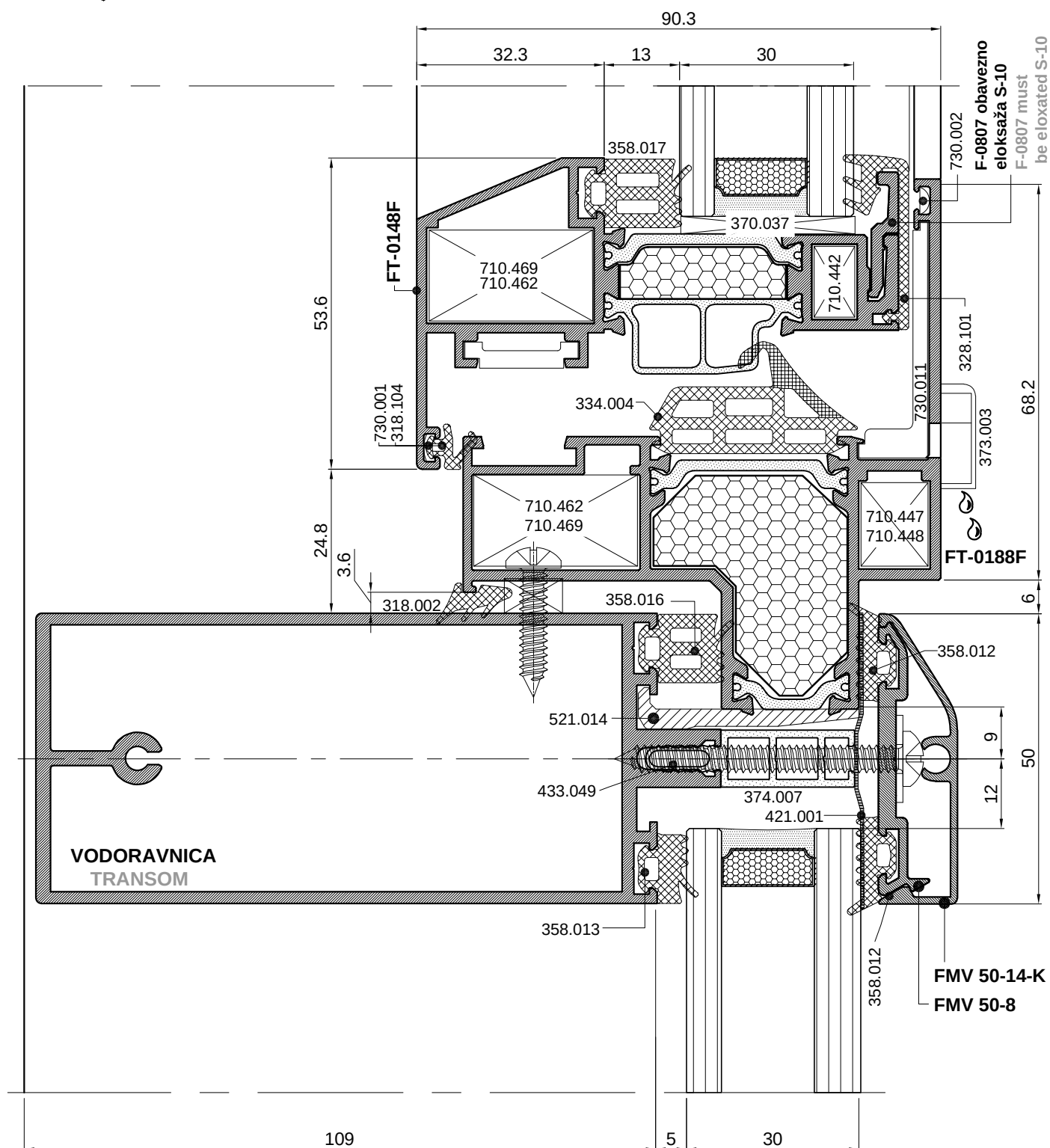
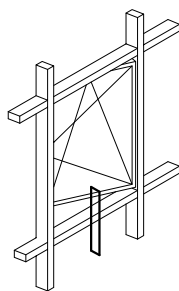


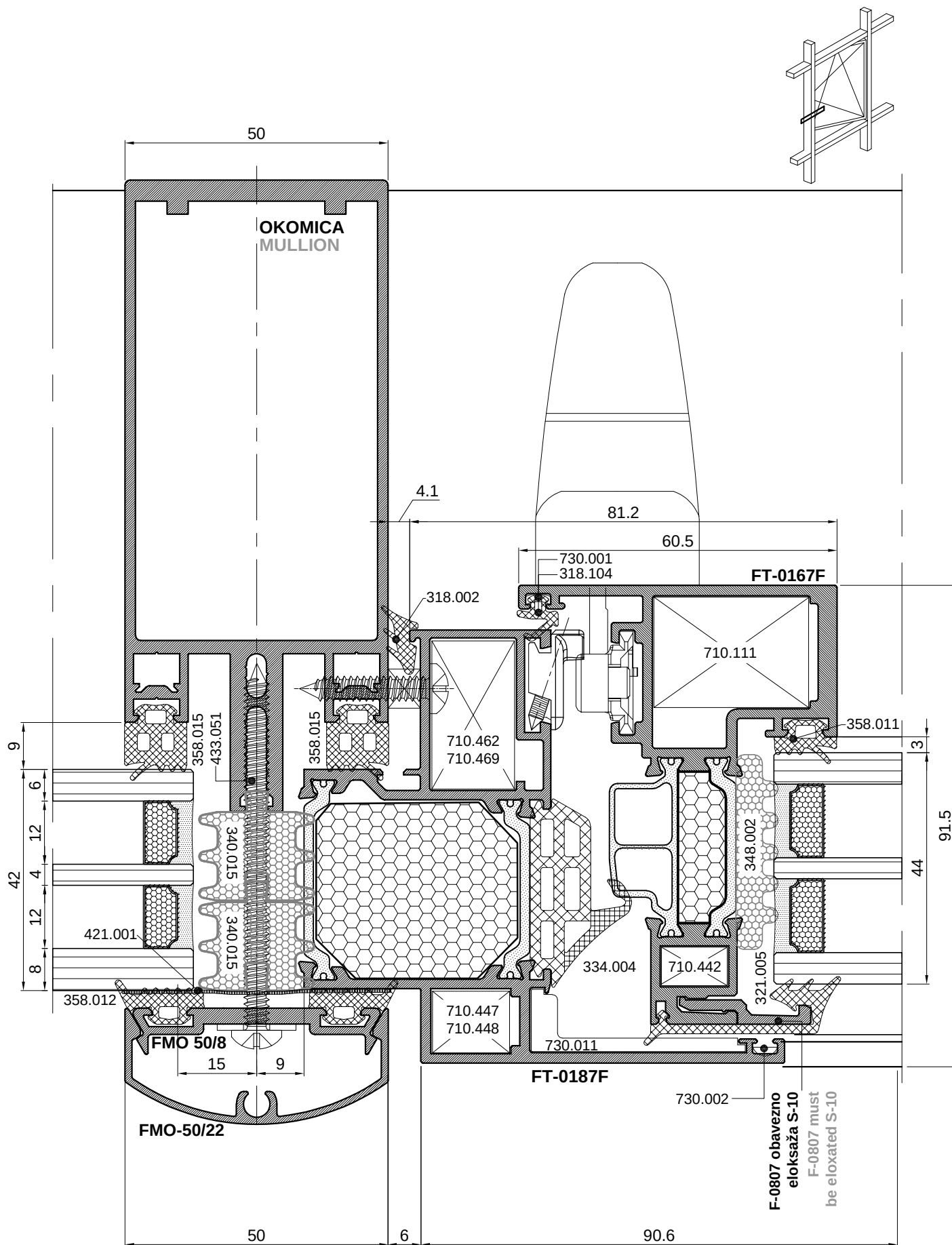


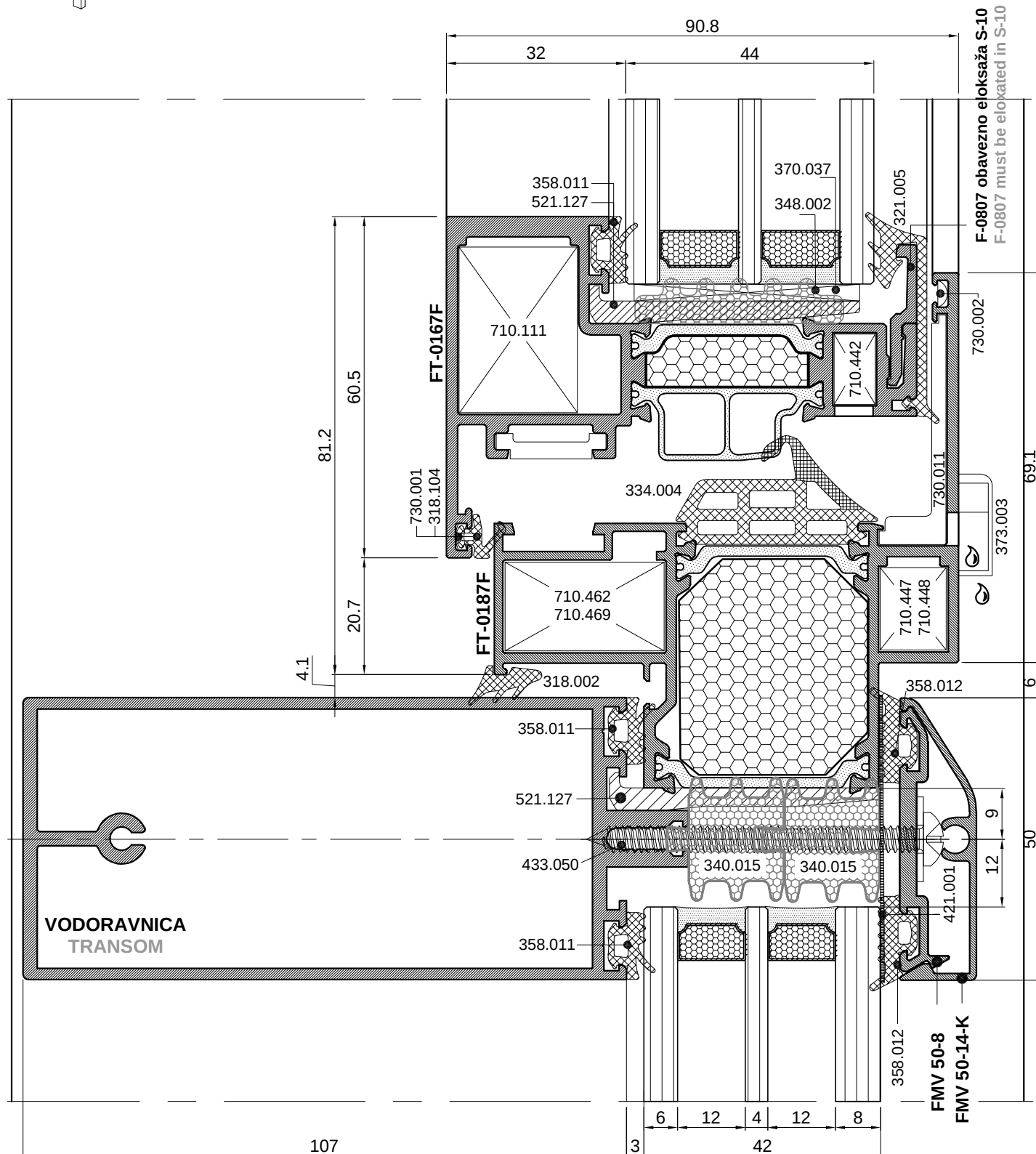
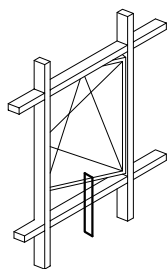


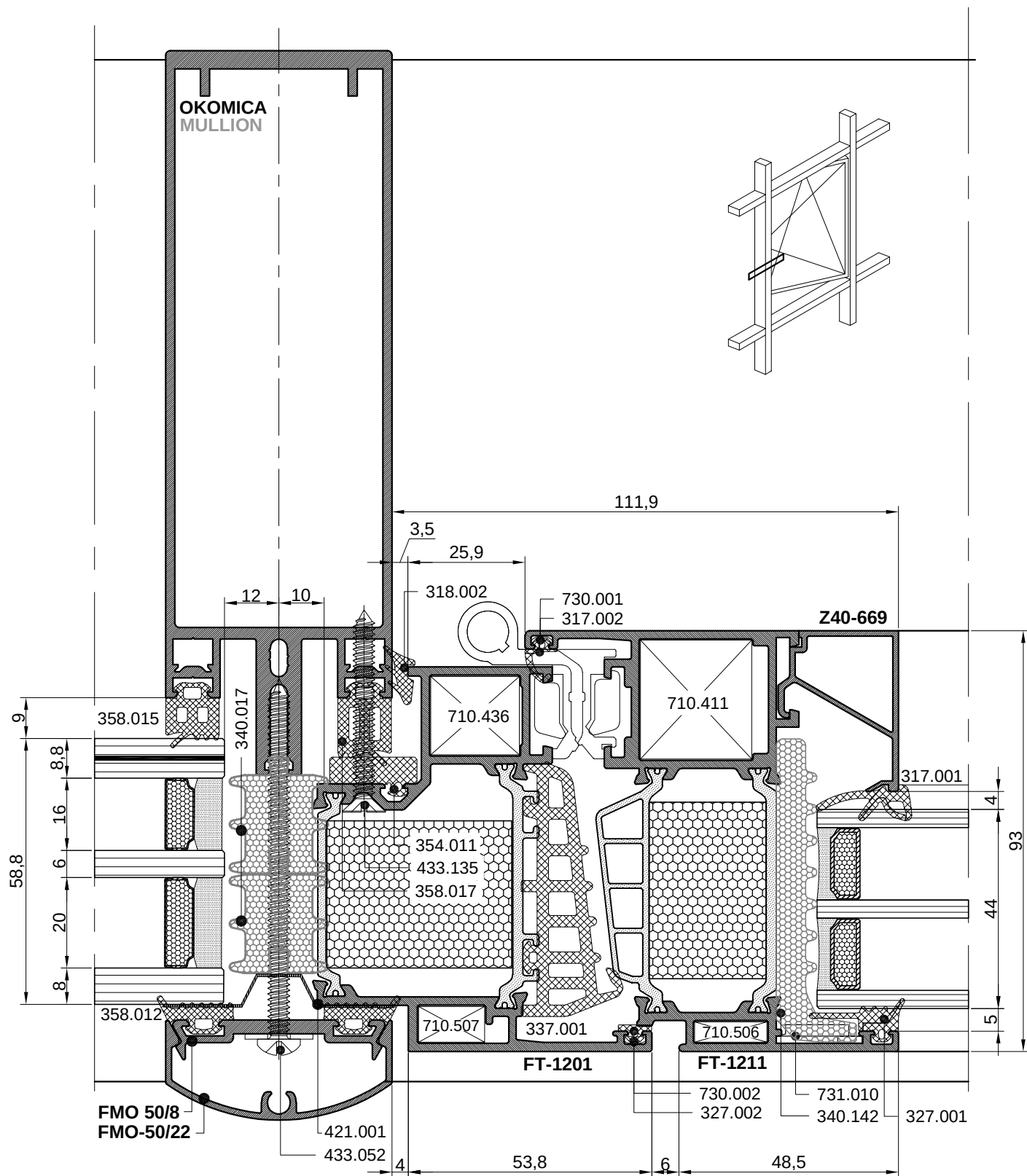


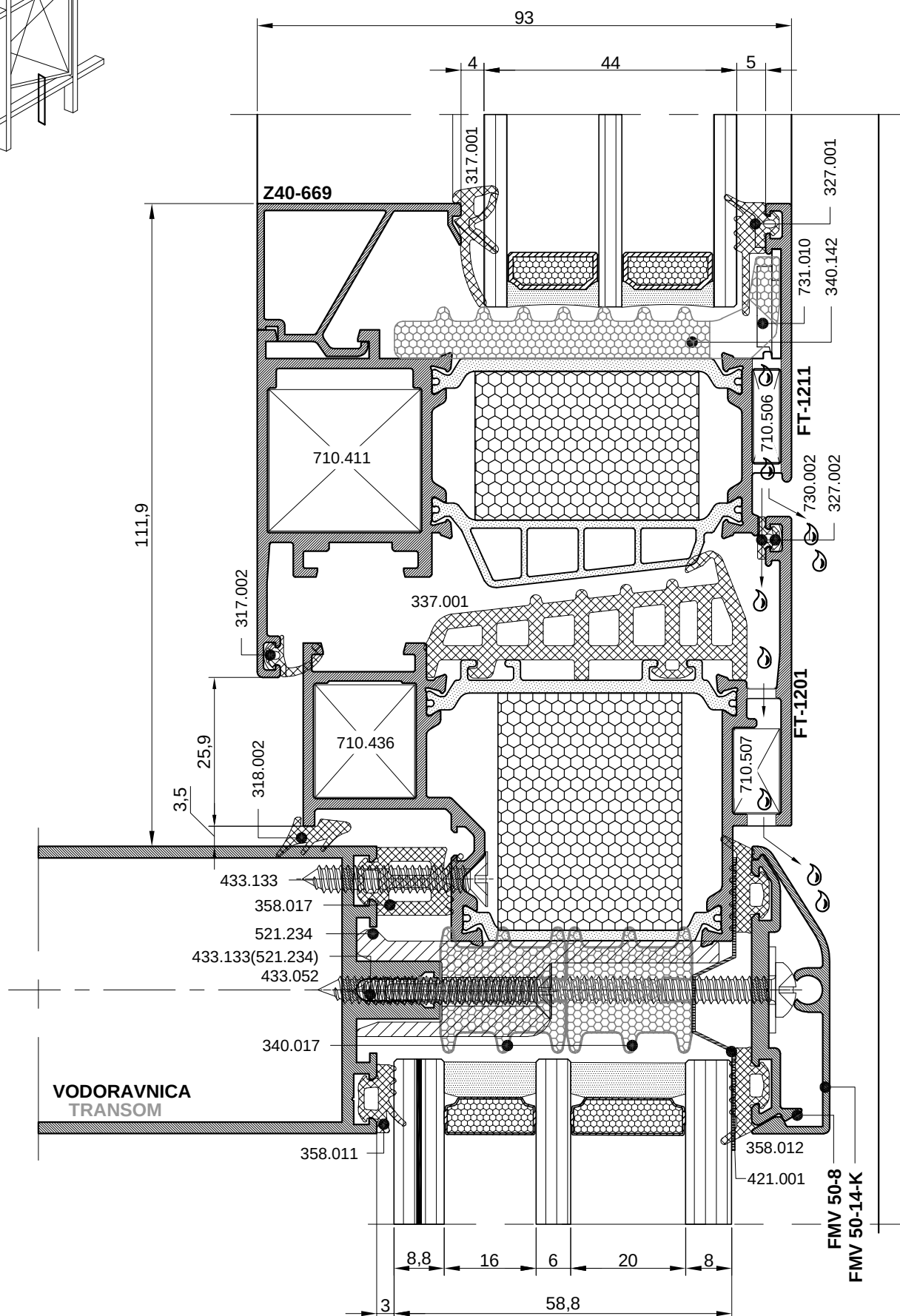
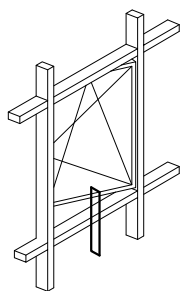


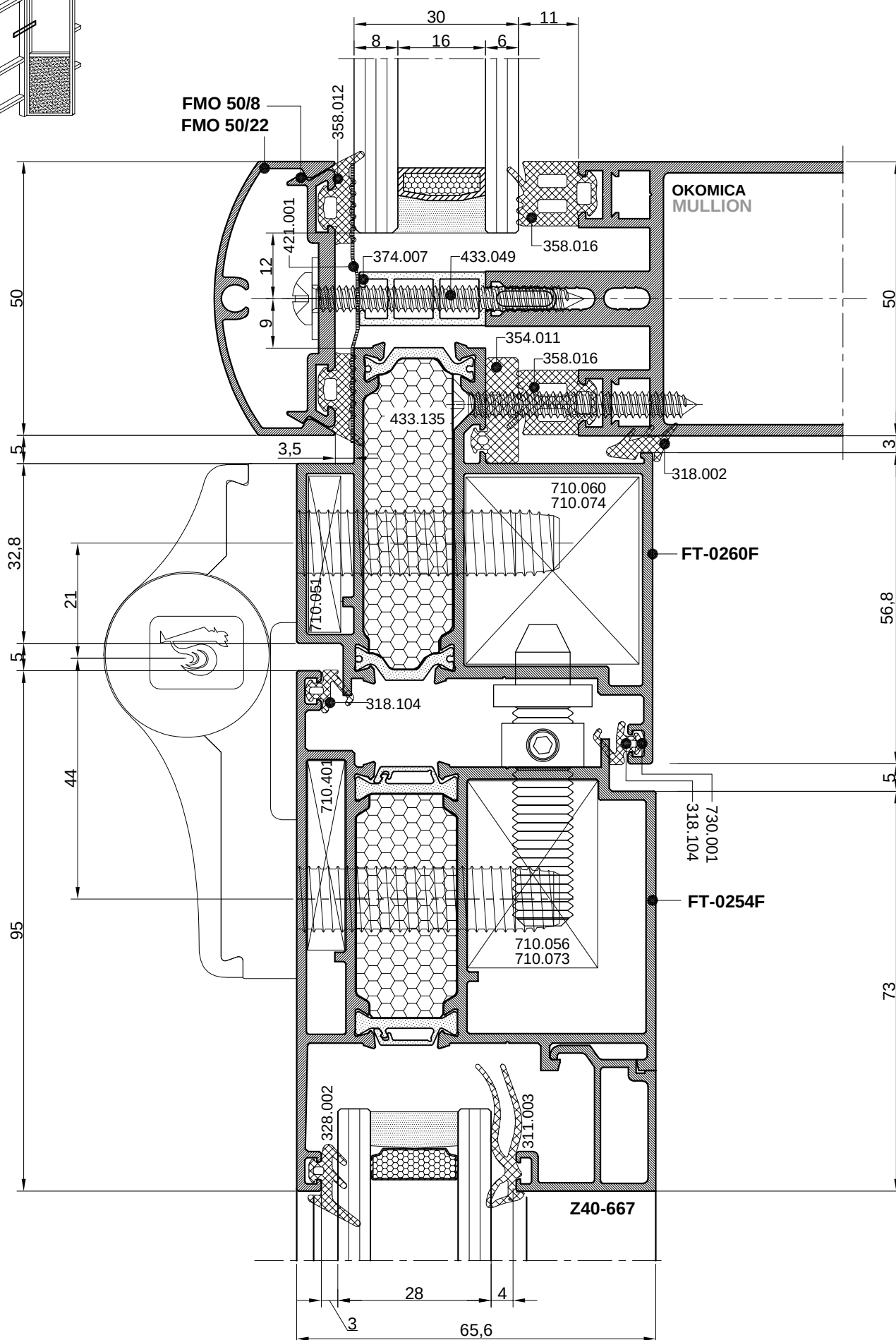
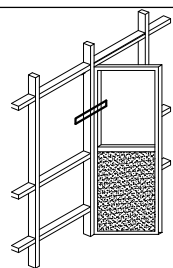


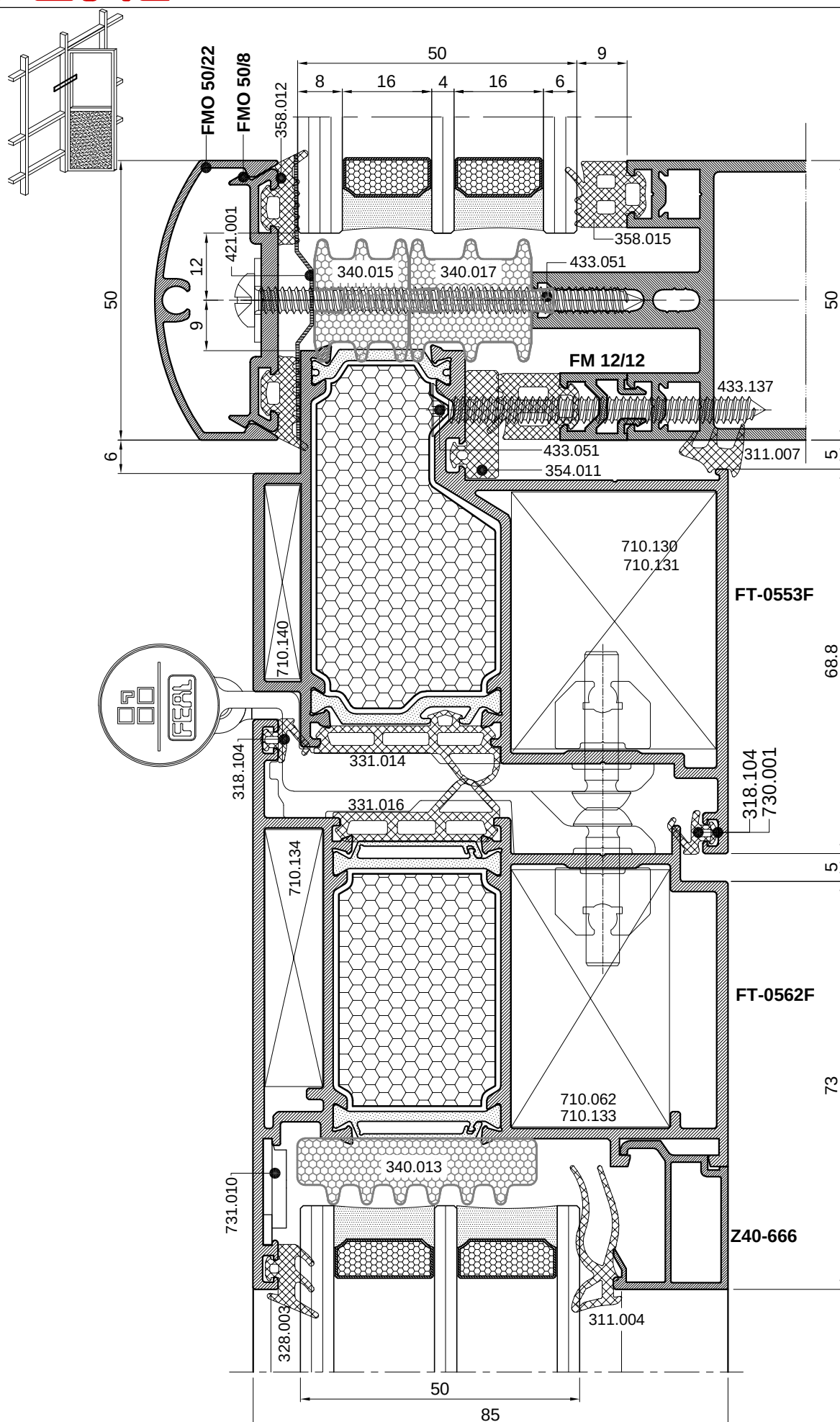


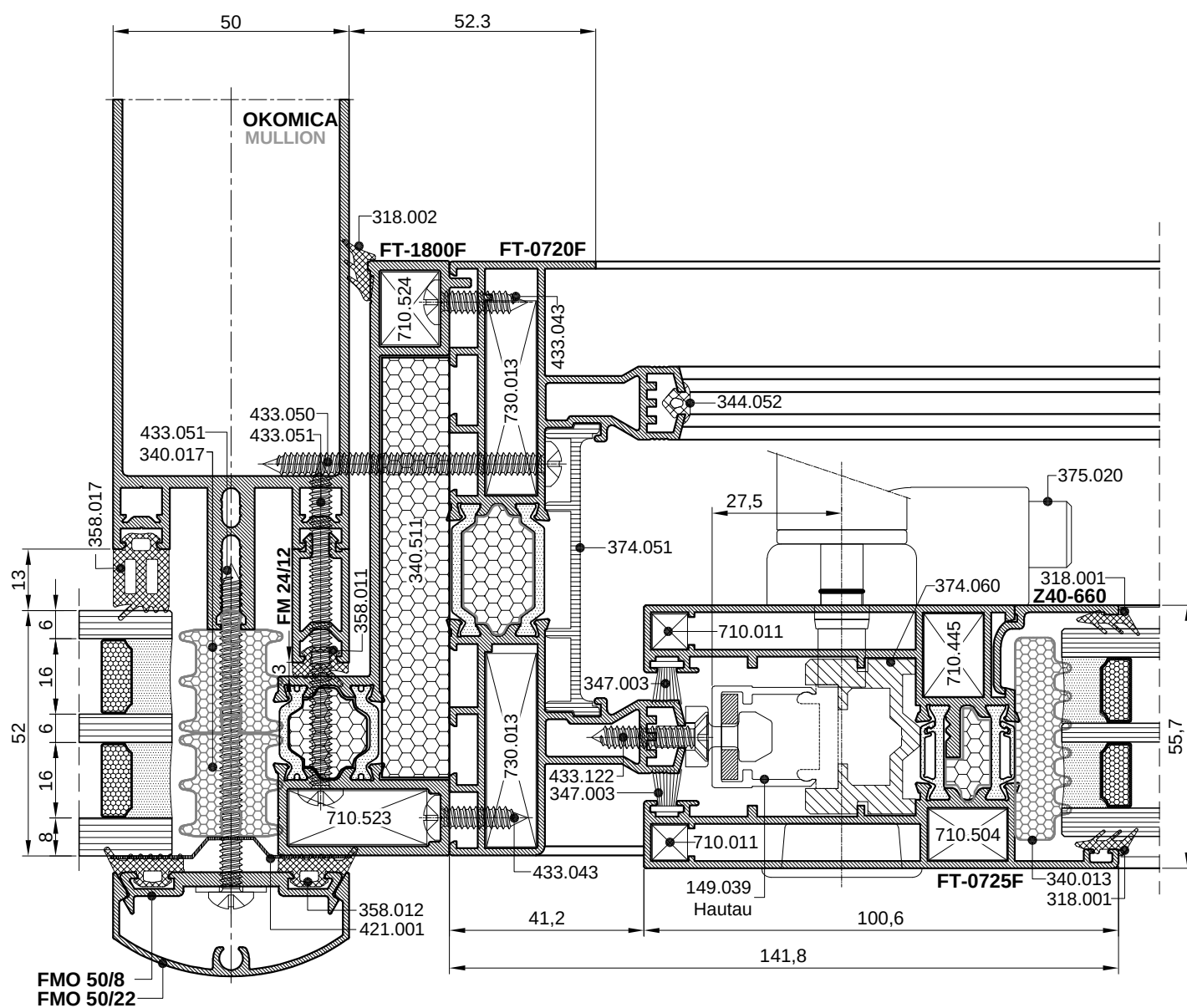
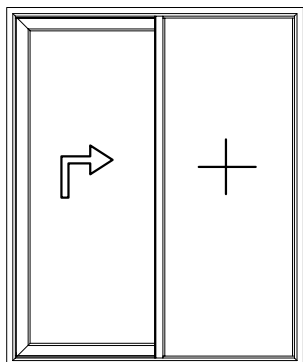


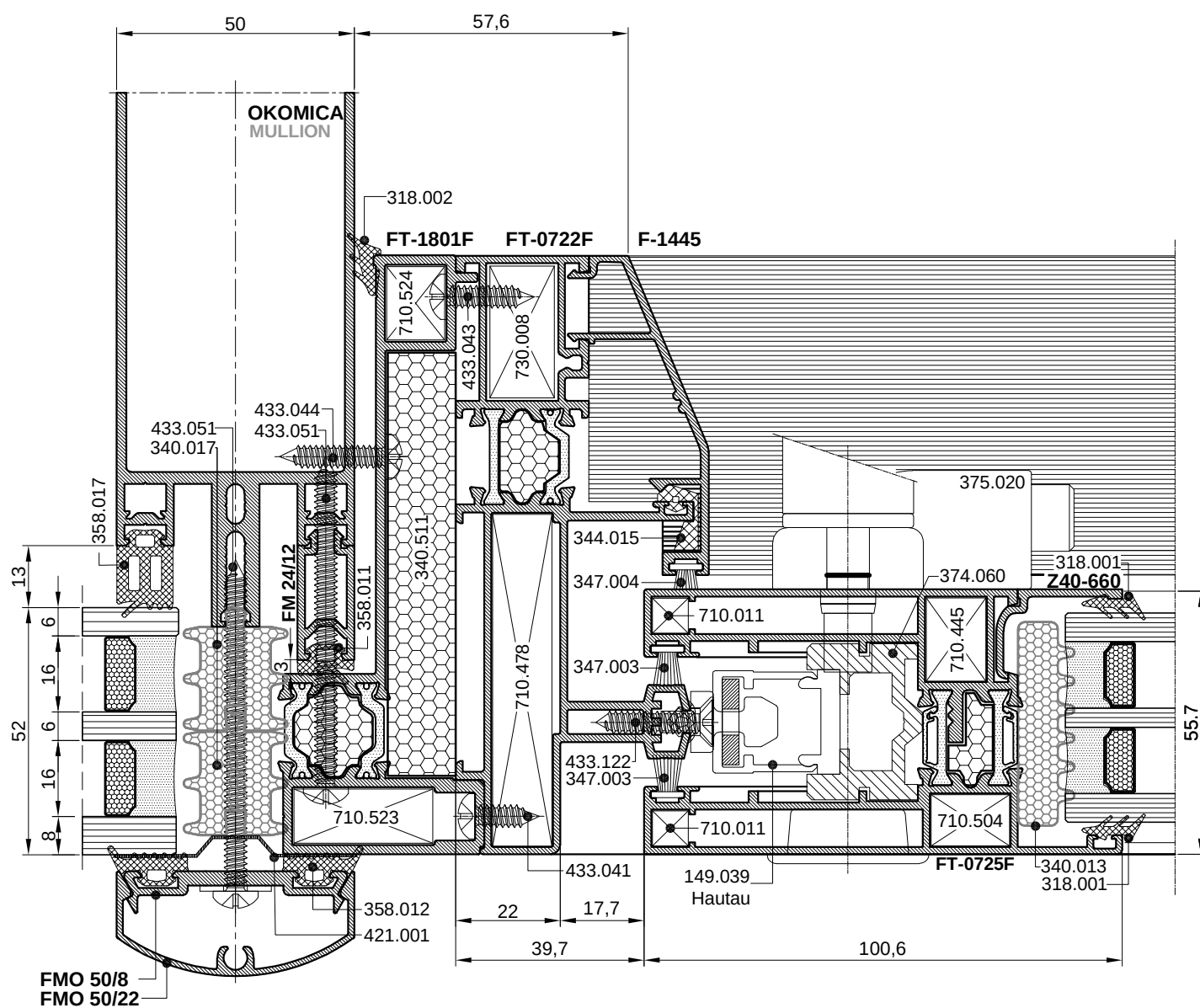
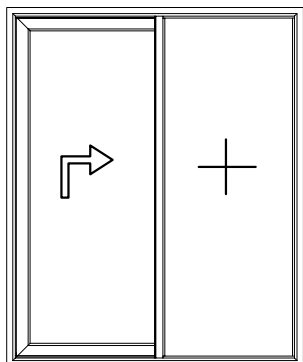


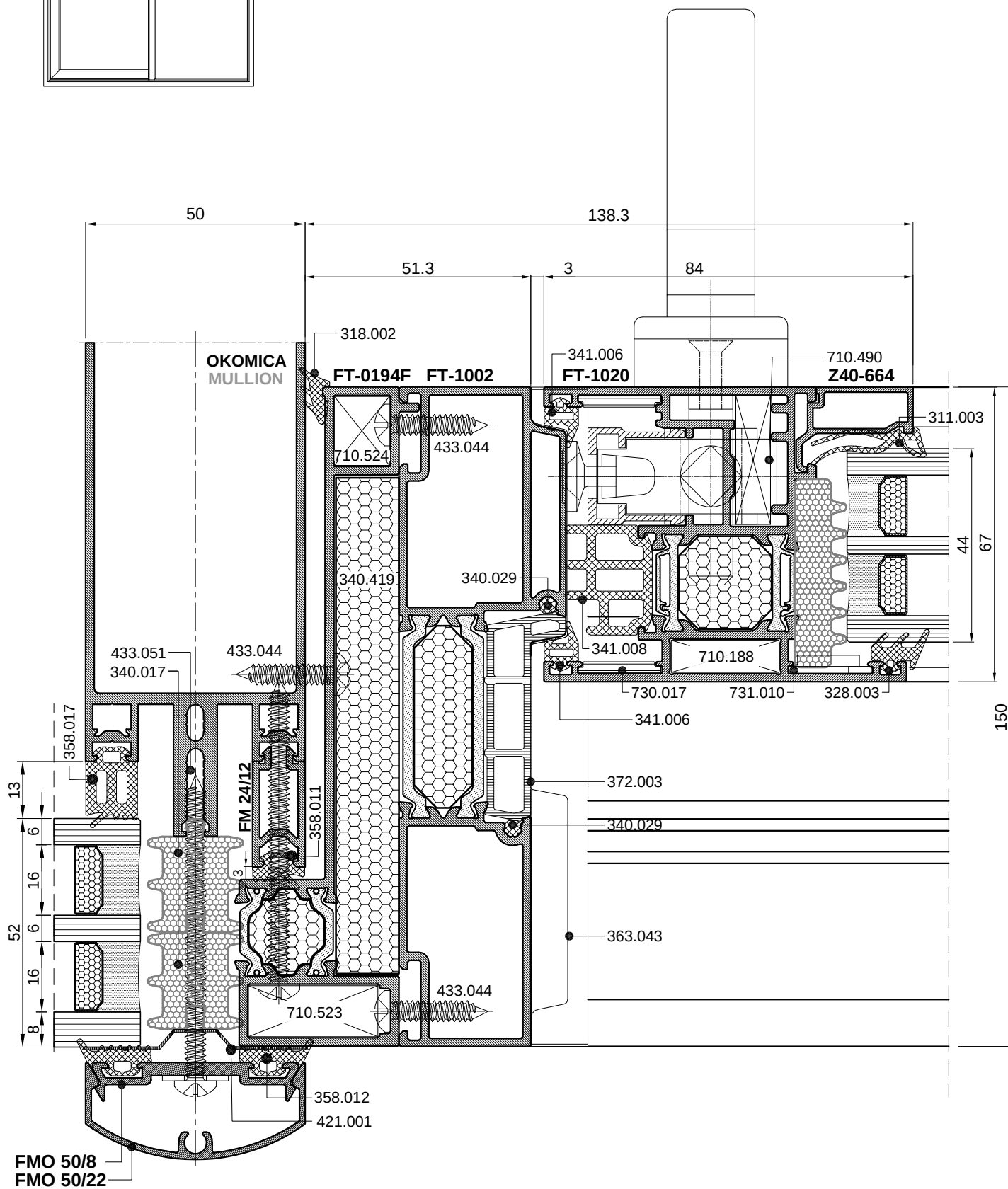
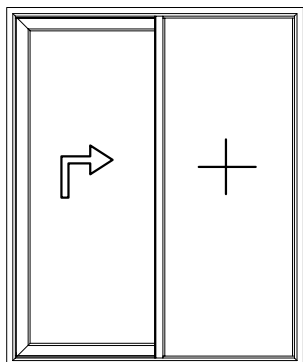


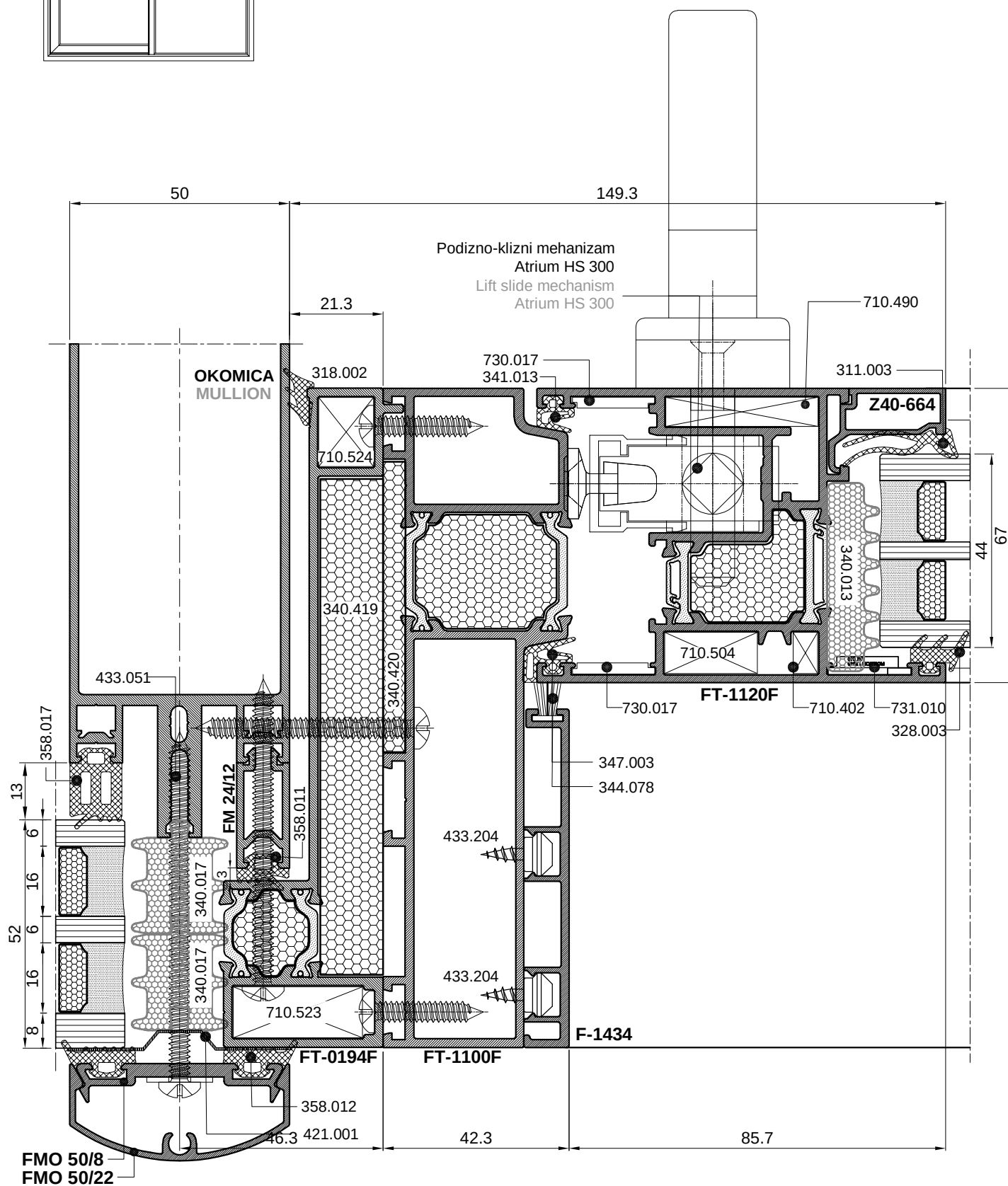
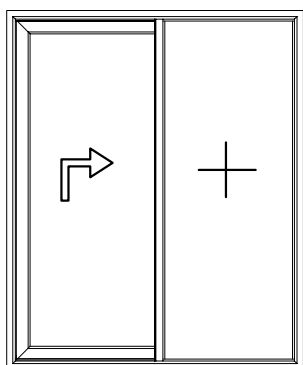


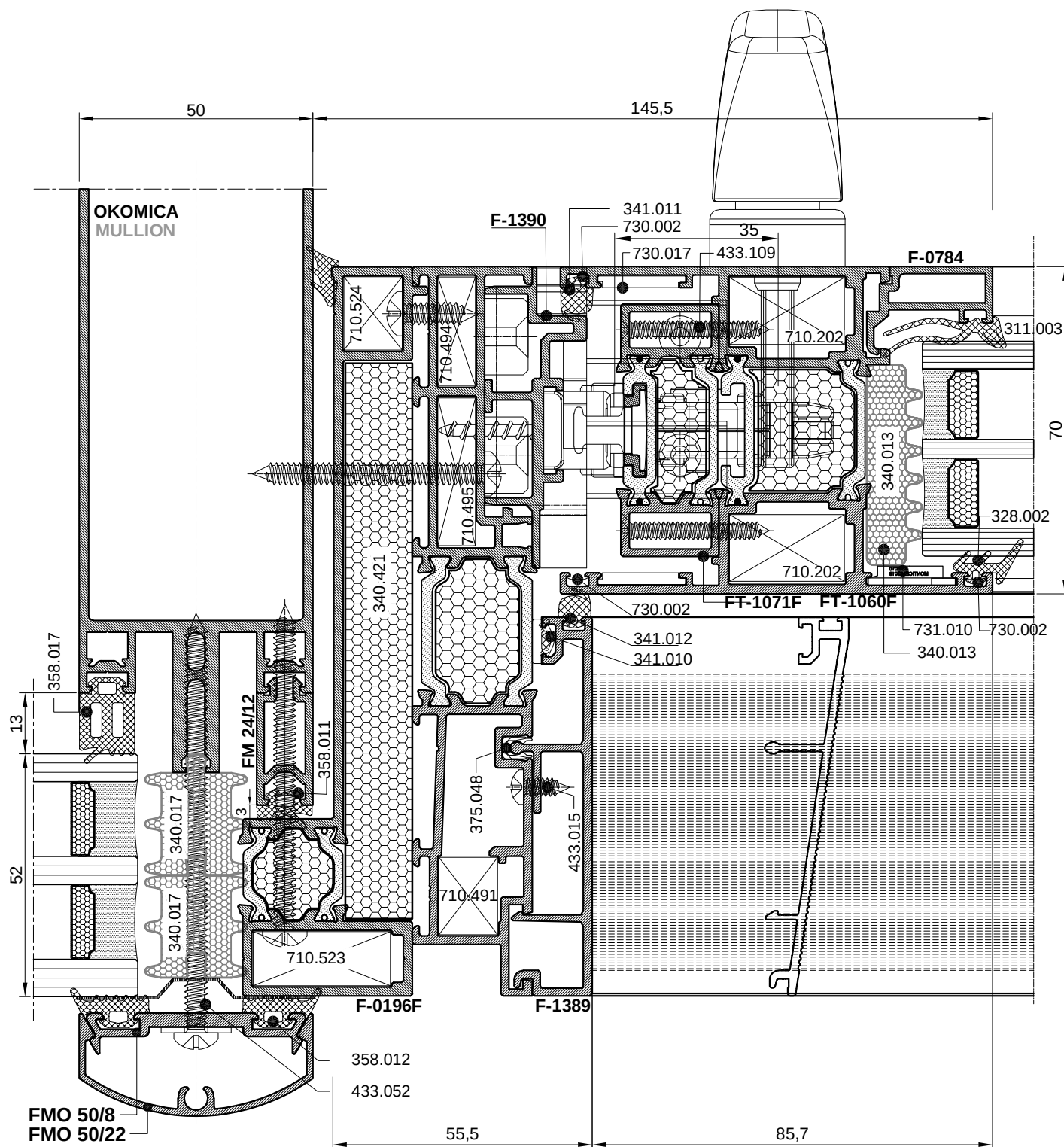
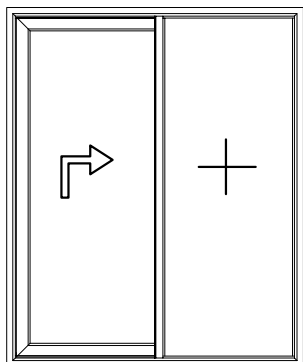


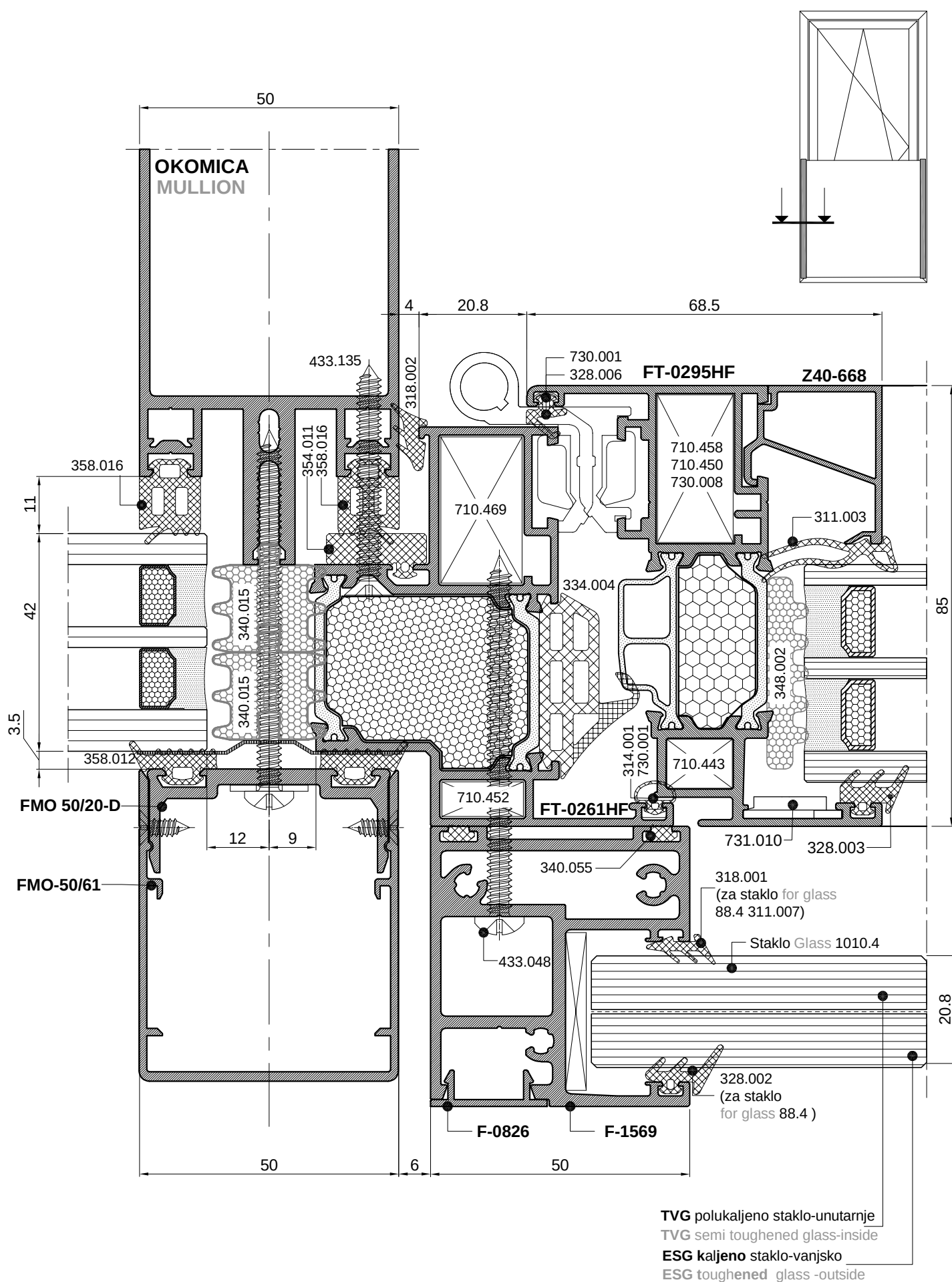


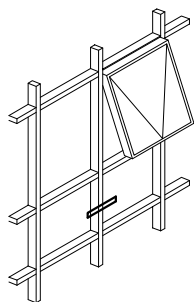






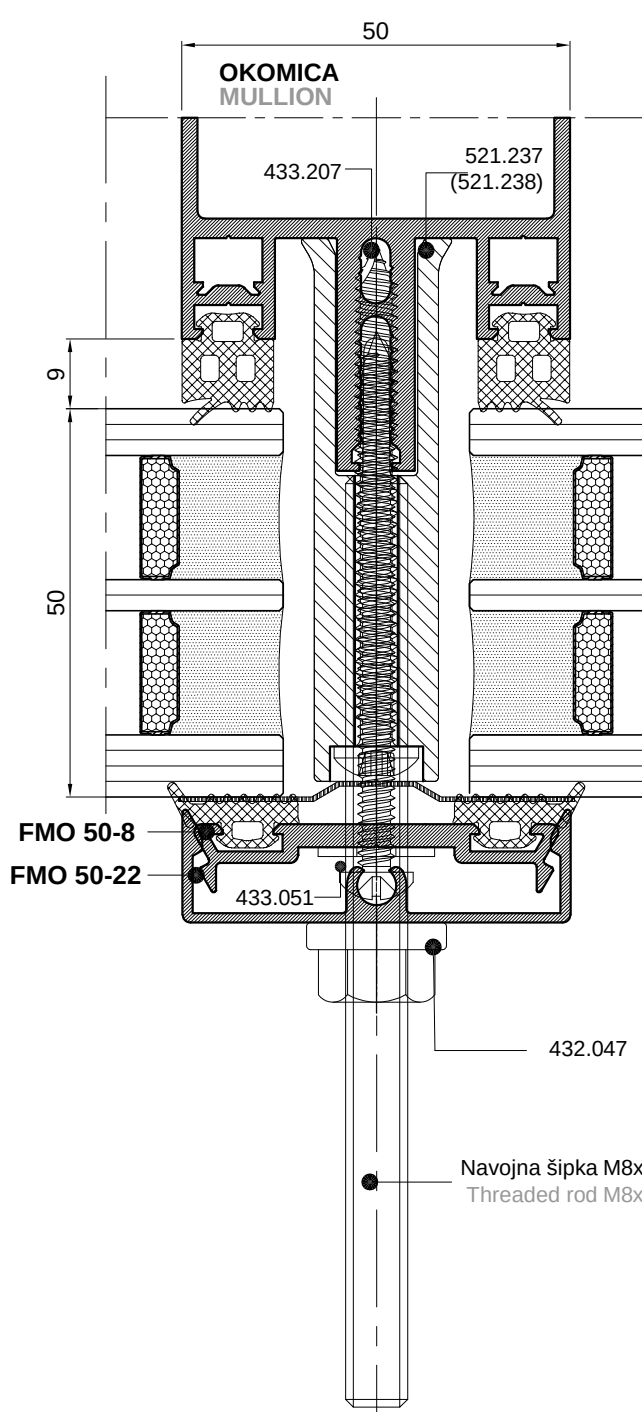
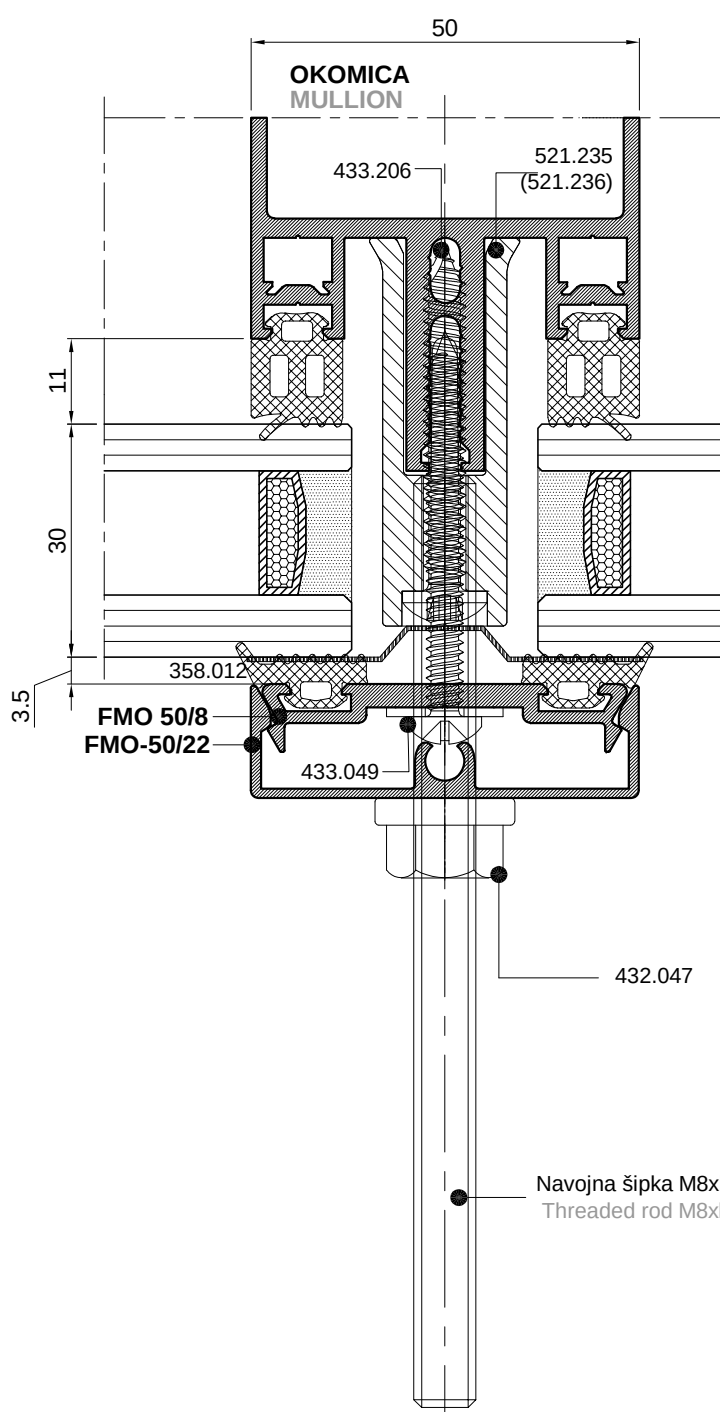
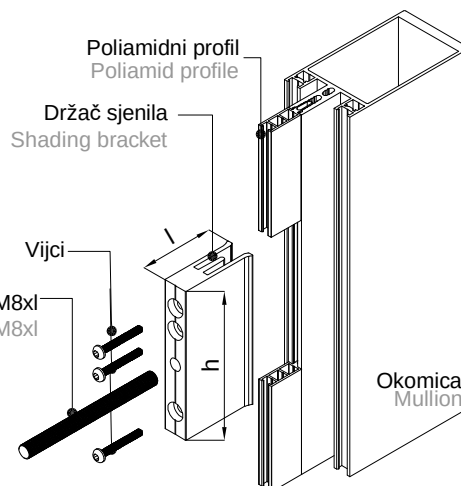


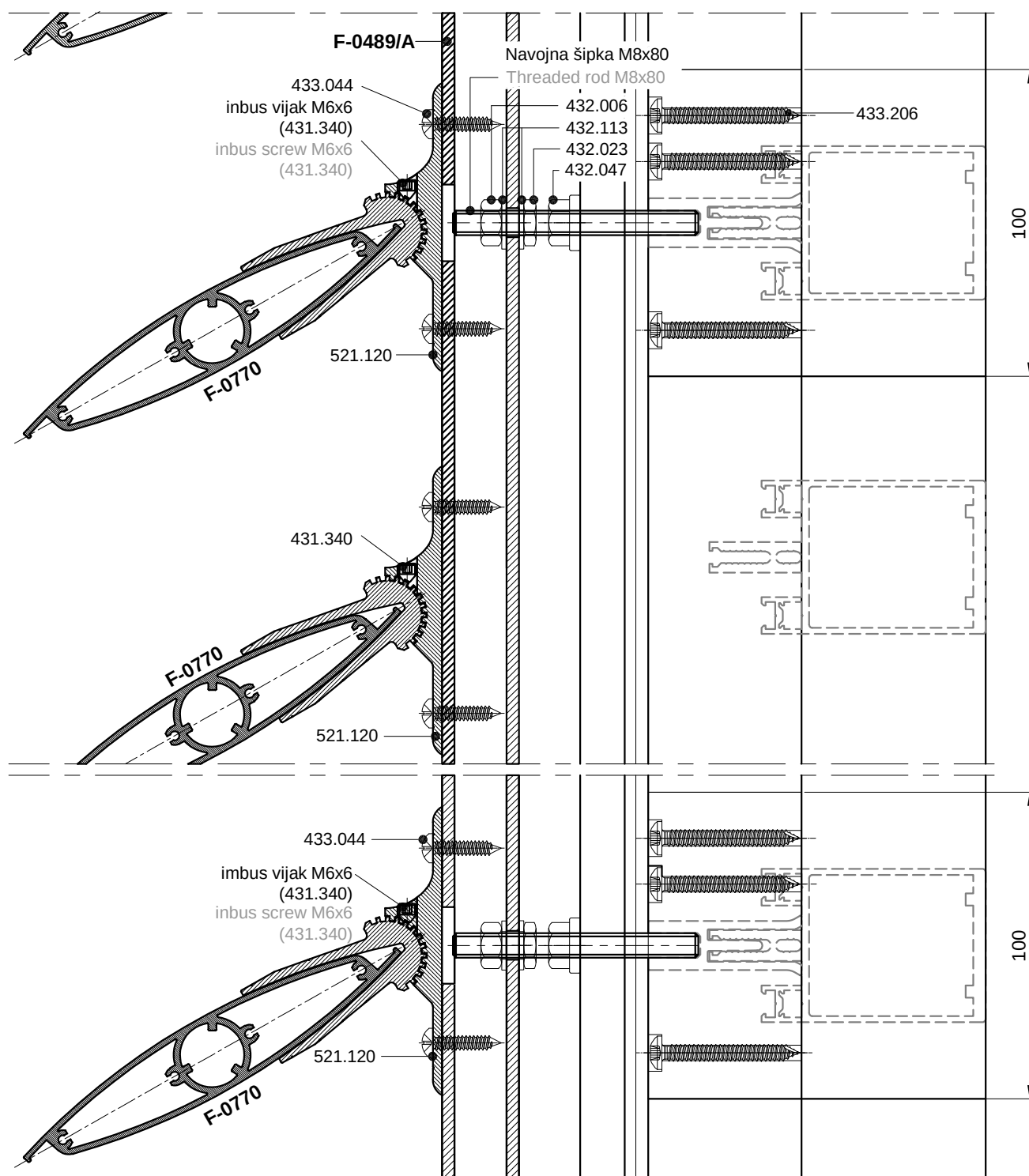
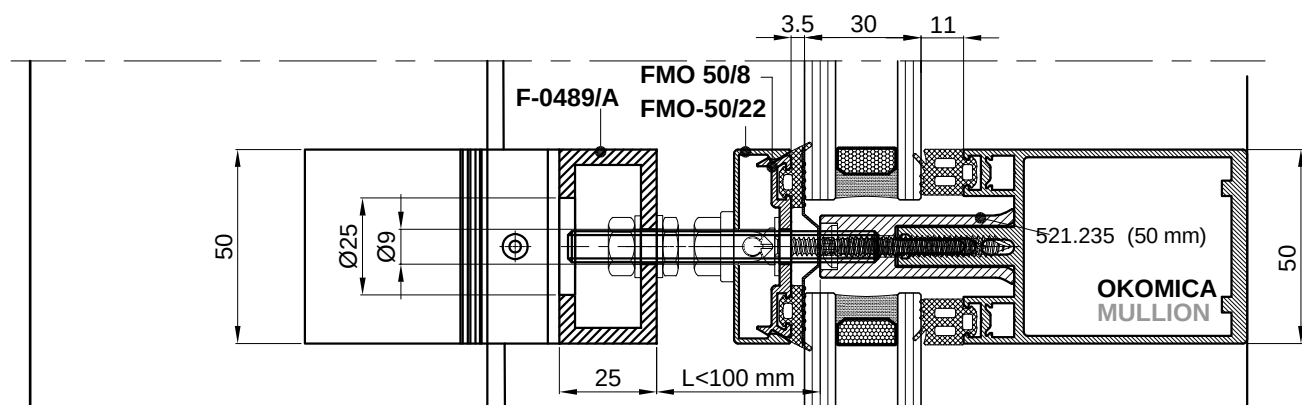




Držač sjenila Shading bracket	Vijci Screw	Dimenzije l x h Dimensions l x h
521.235	433.206	50x100 mm
521.236	433.206	50x160 mm
521.237	433.207	70x100 mm
521.238	433.207	70x160 mm

Navojna šipka M8xl
Threaded rod M8xl



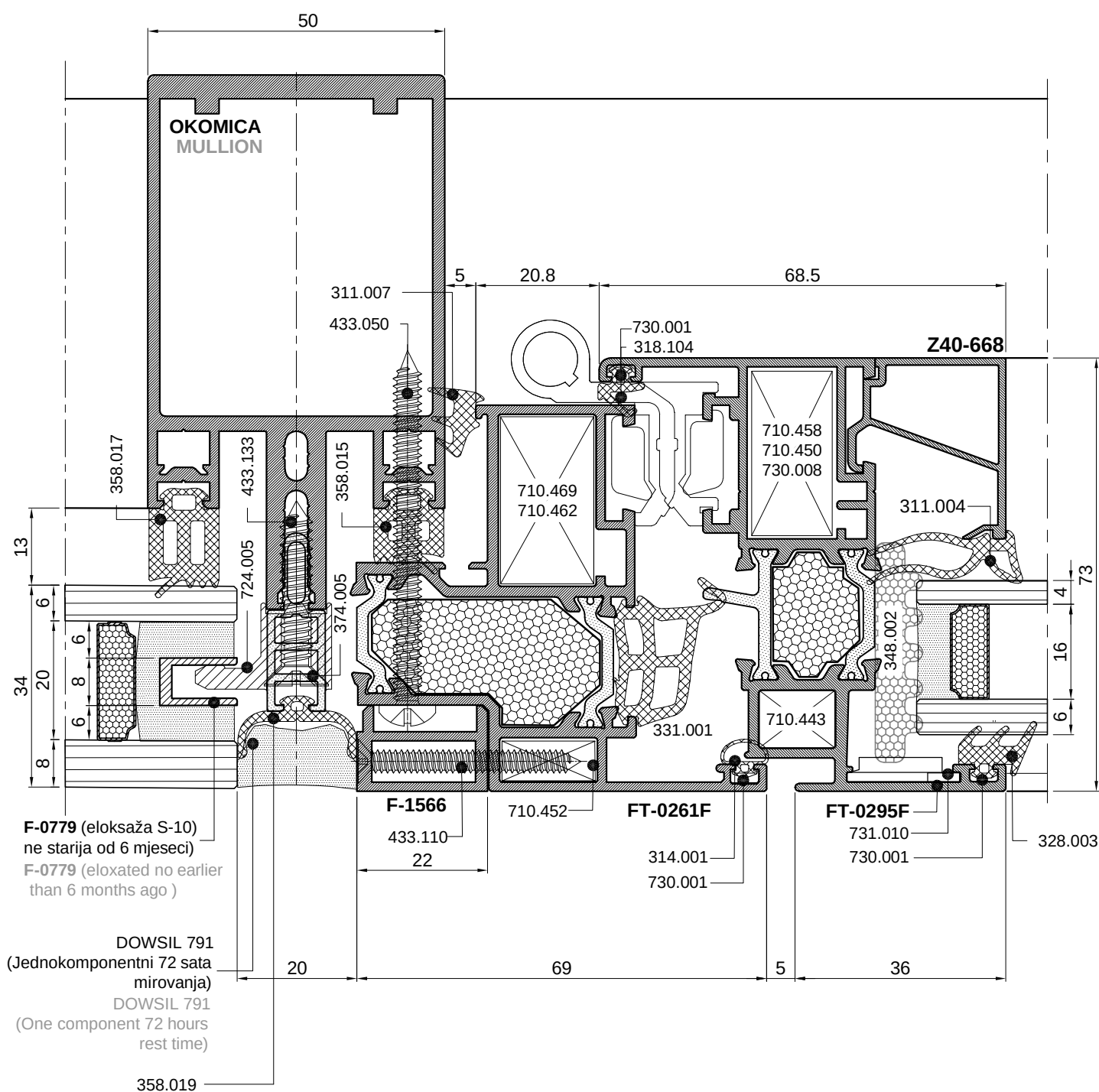
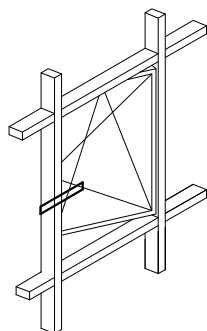


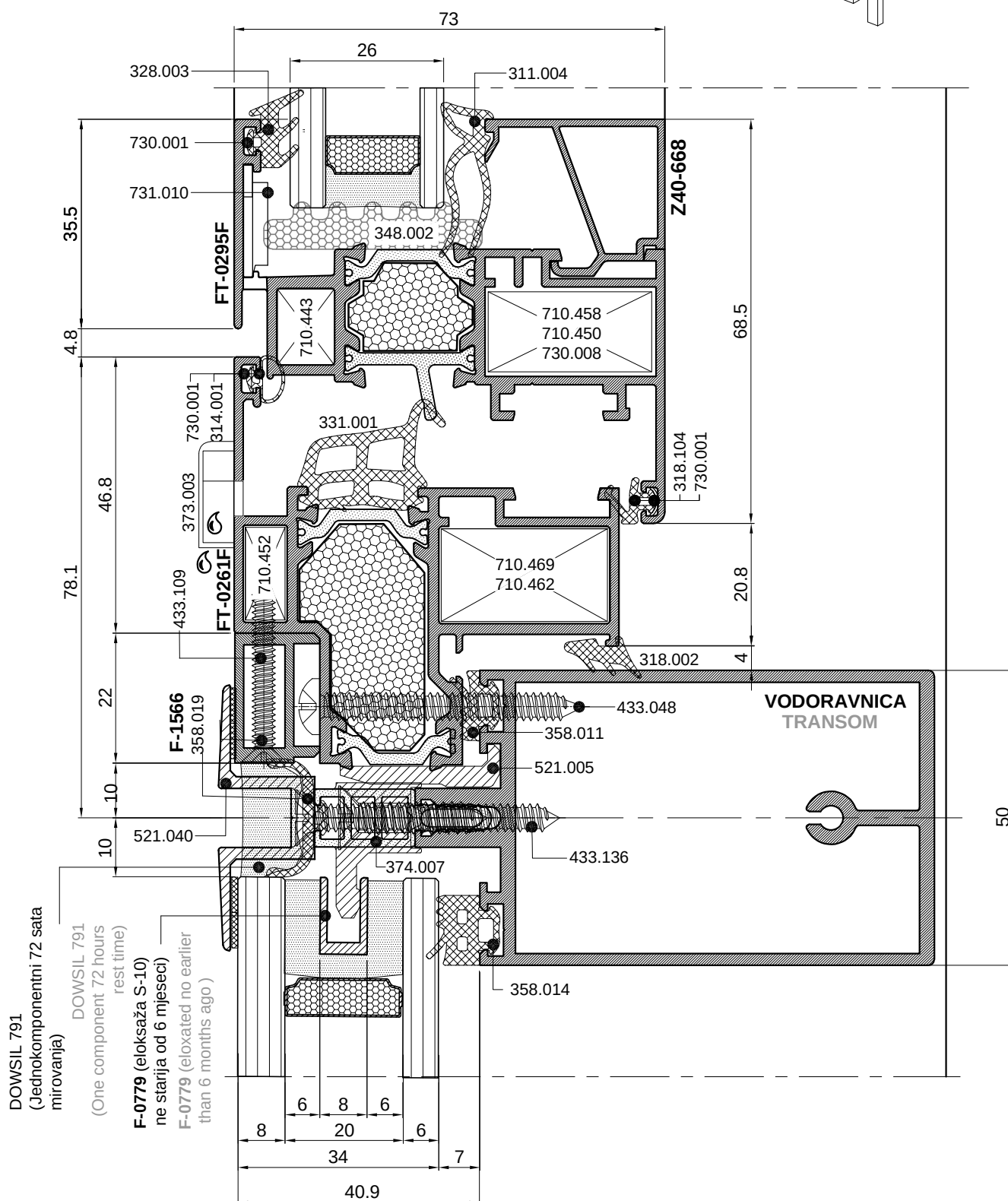
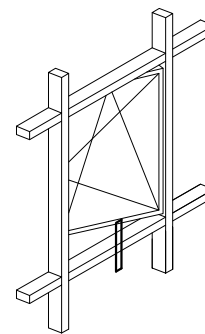
Spojevi fasade 50 FS sa serijama:

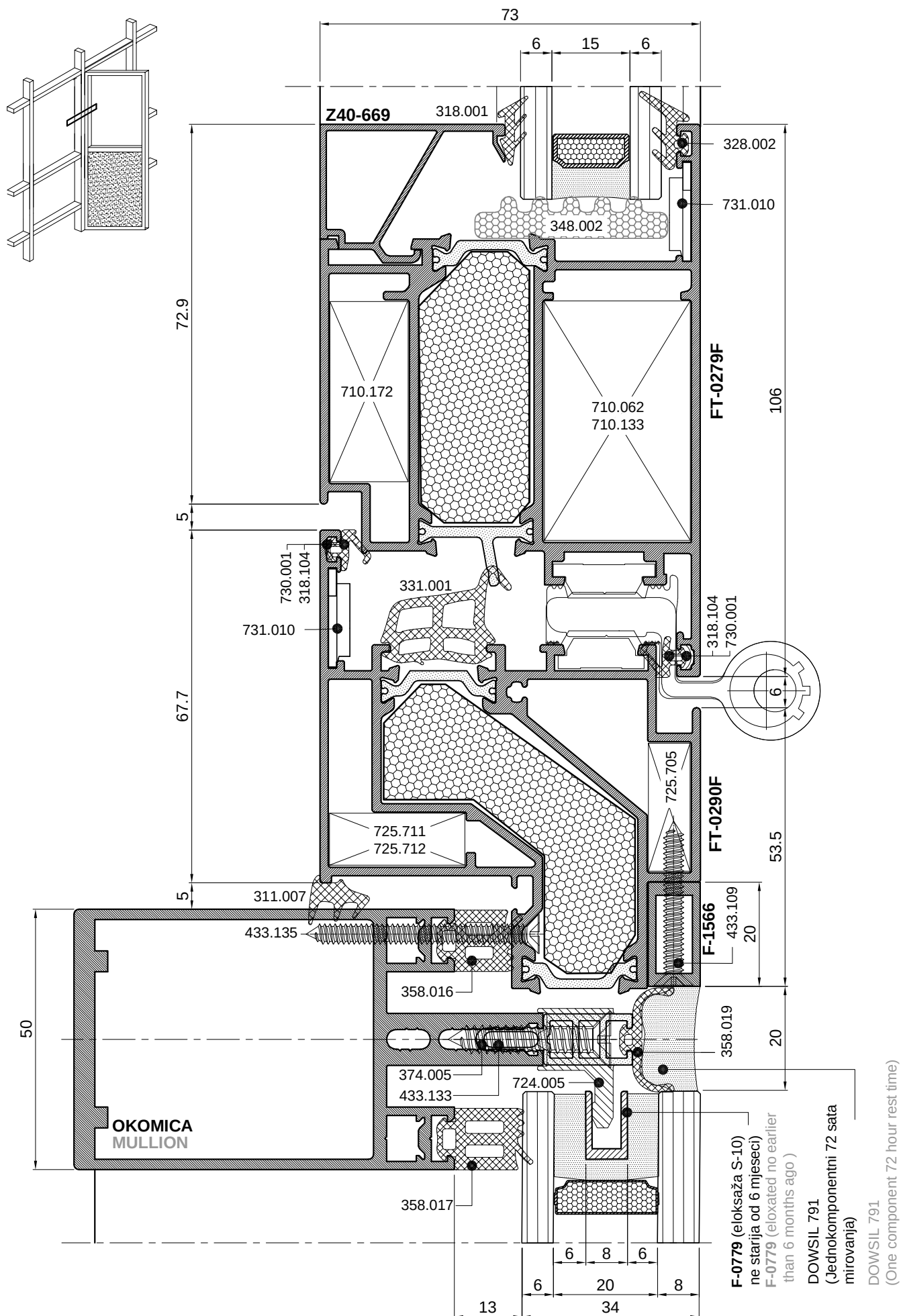
- Termo 65
- Termo 65 plus
- Termo 85
- Termo 85 SK
- Termo 85 PA
- Termo 65 VS
- Termo 85 VS
- Termo 120
- Termo 150
- Termo 150+
- Inowa
- Francuski balkon (sa Termo 85)

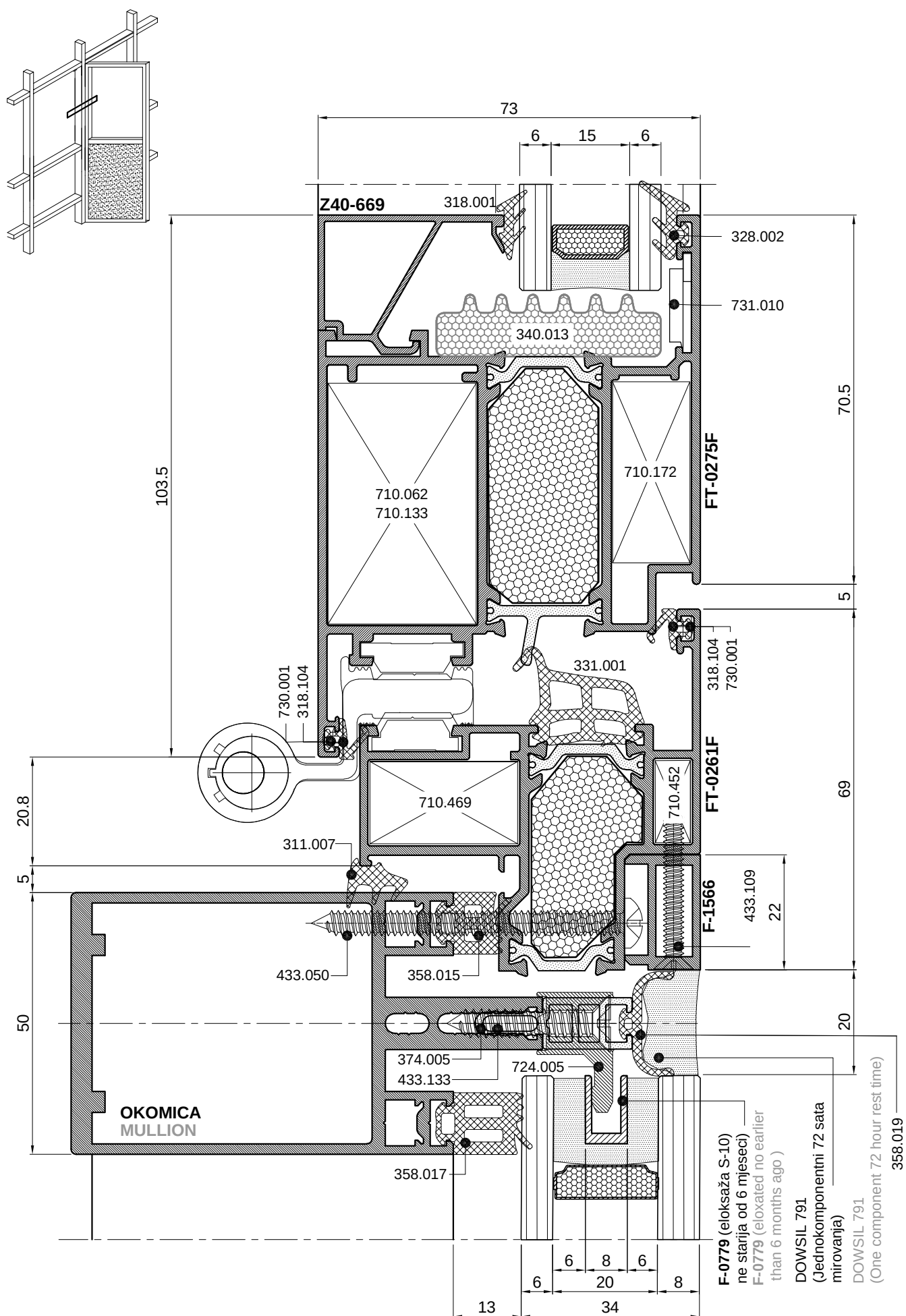
Connections of facade 50 FS with systems:

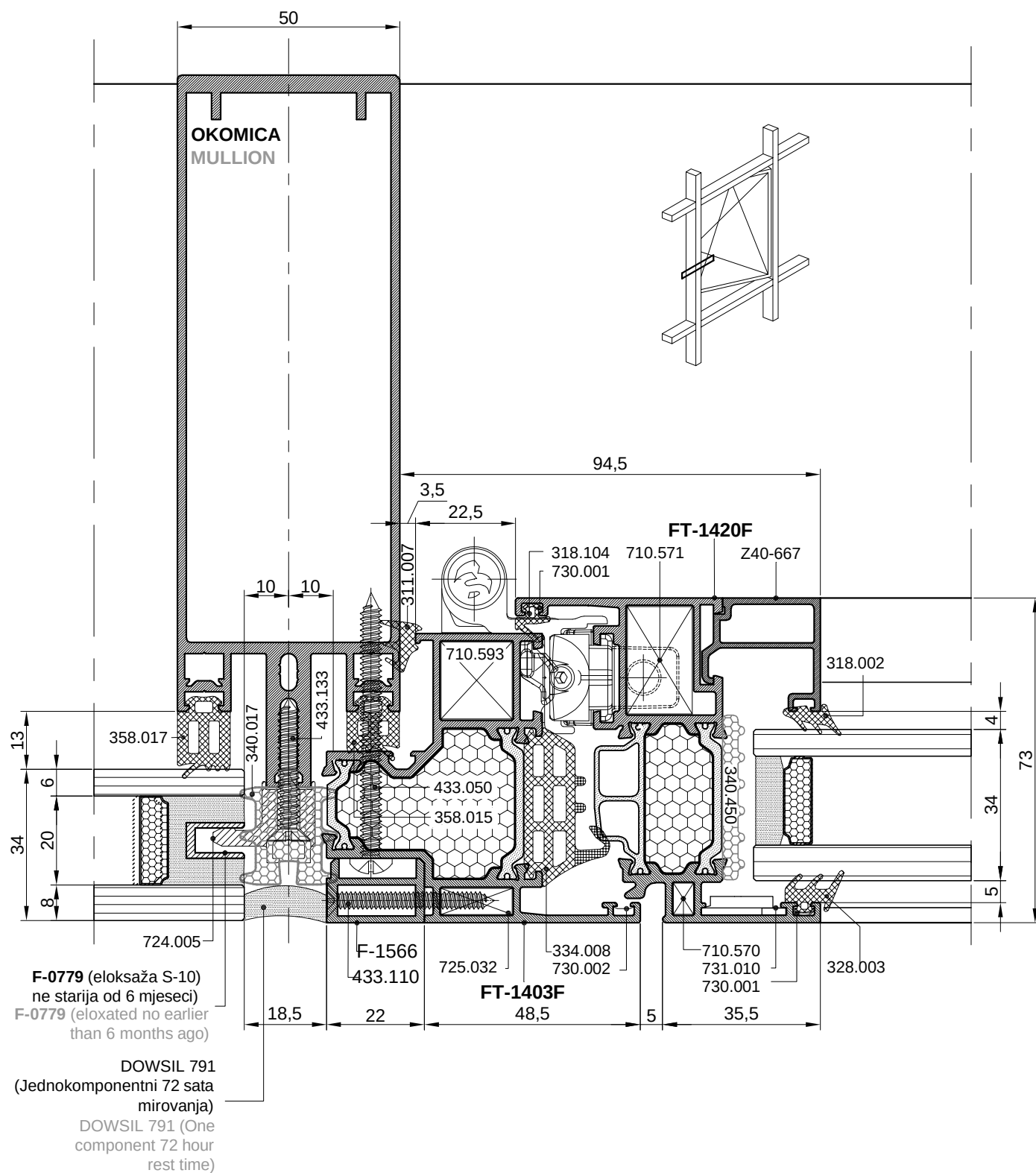
- Termo 65
- Termo 65 plus
- Termo 85
- Termo 85 SK
- Termo 85 PA
- Termo 65 VS
- Termo 85 VS
- Termo 120
- Termo 150
- Termo 150+
- Inowa
- French balcony (with Termo 85)

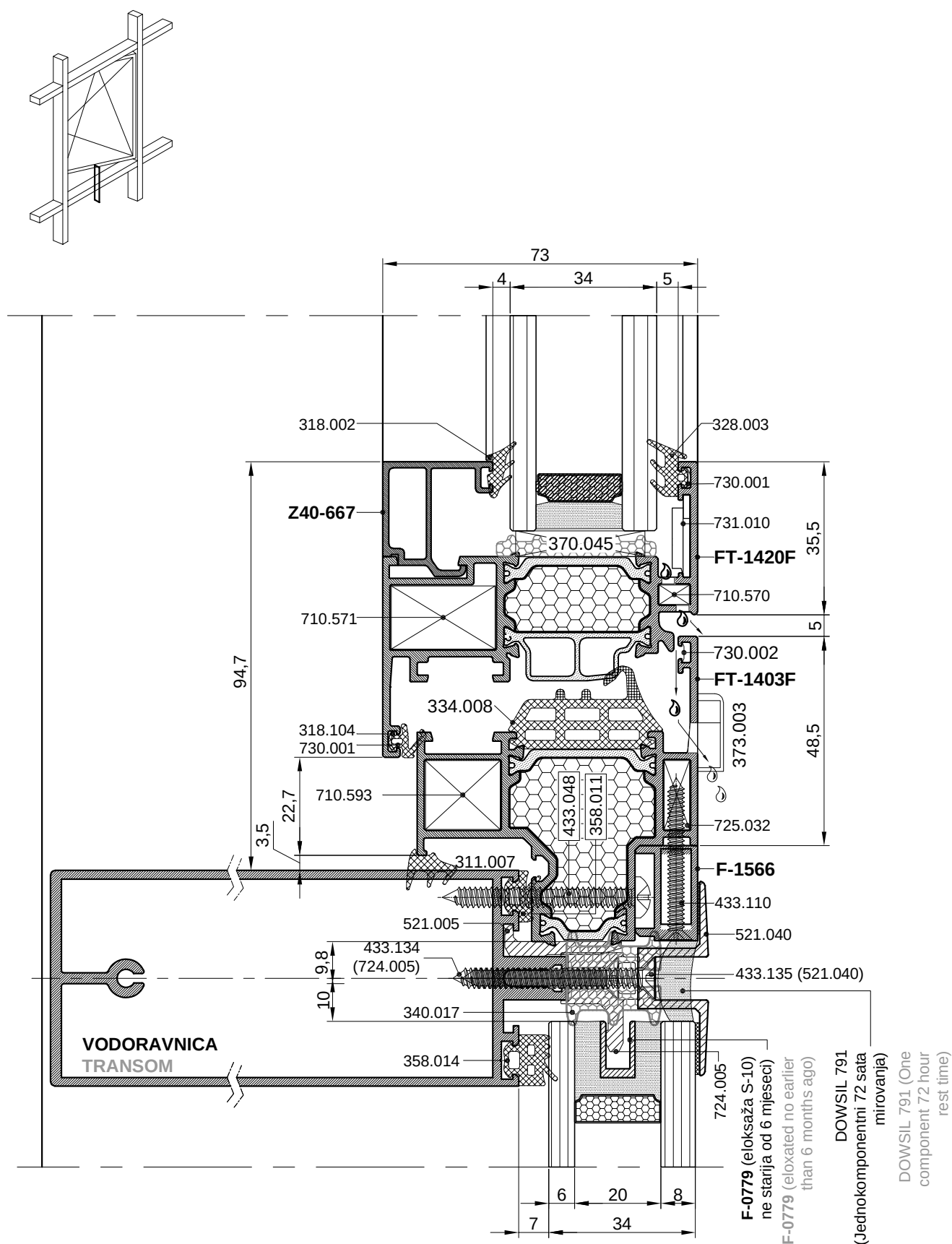


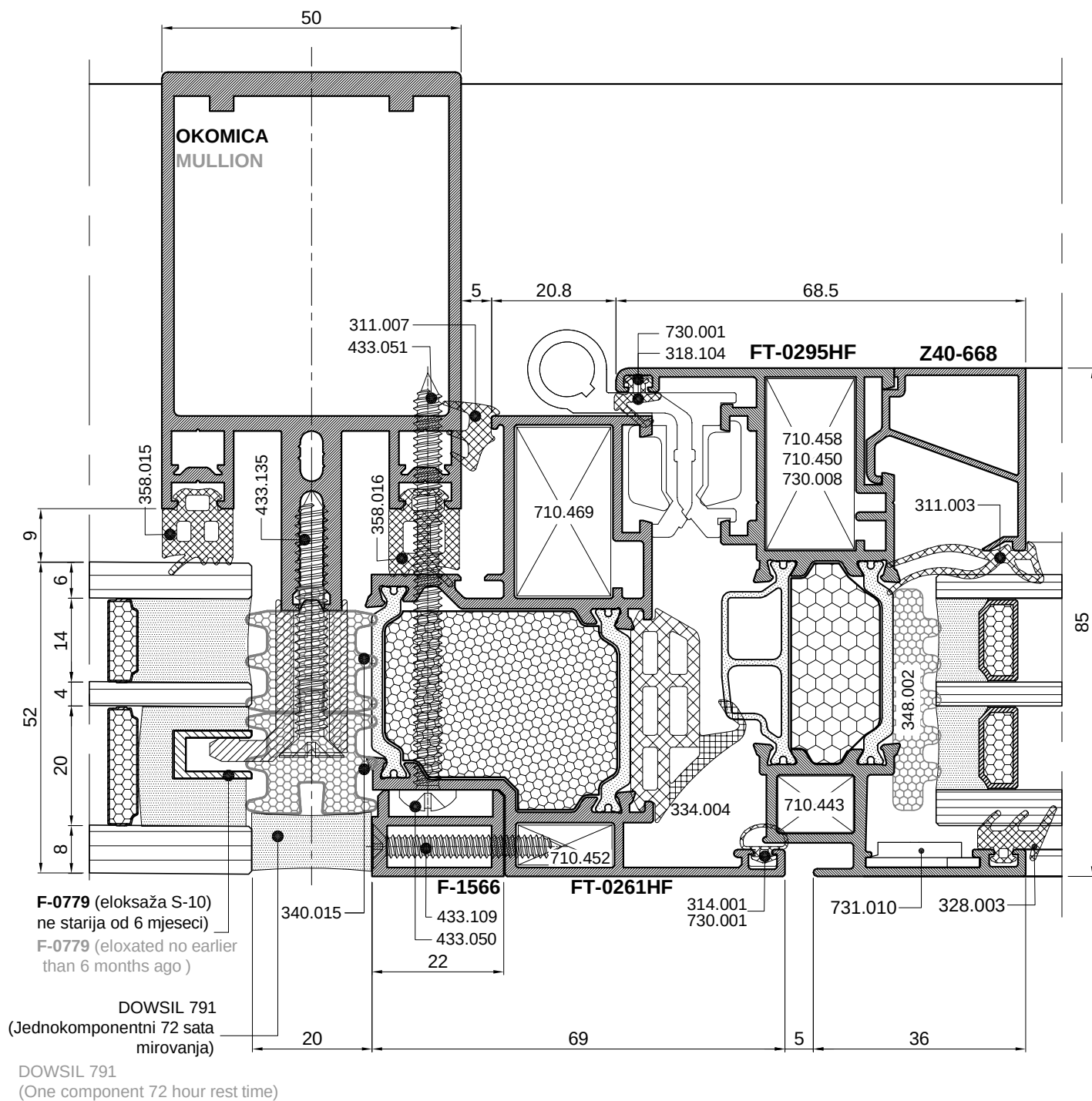
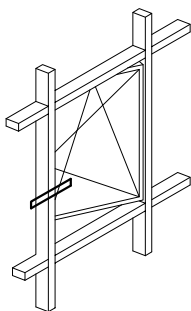


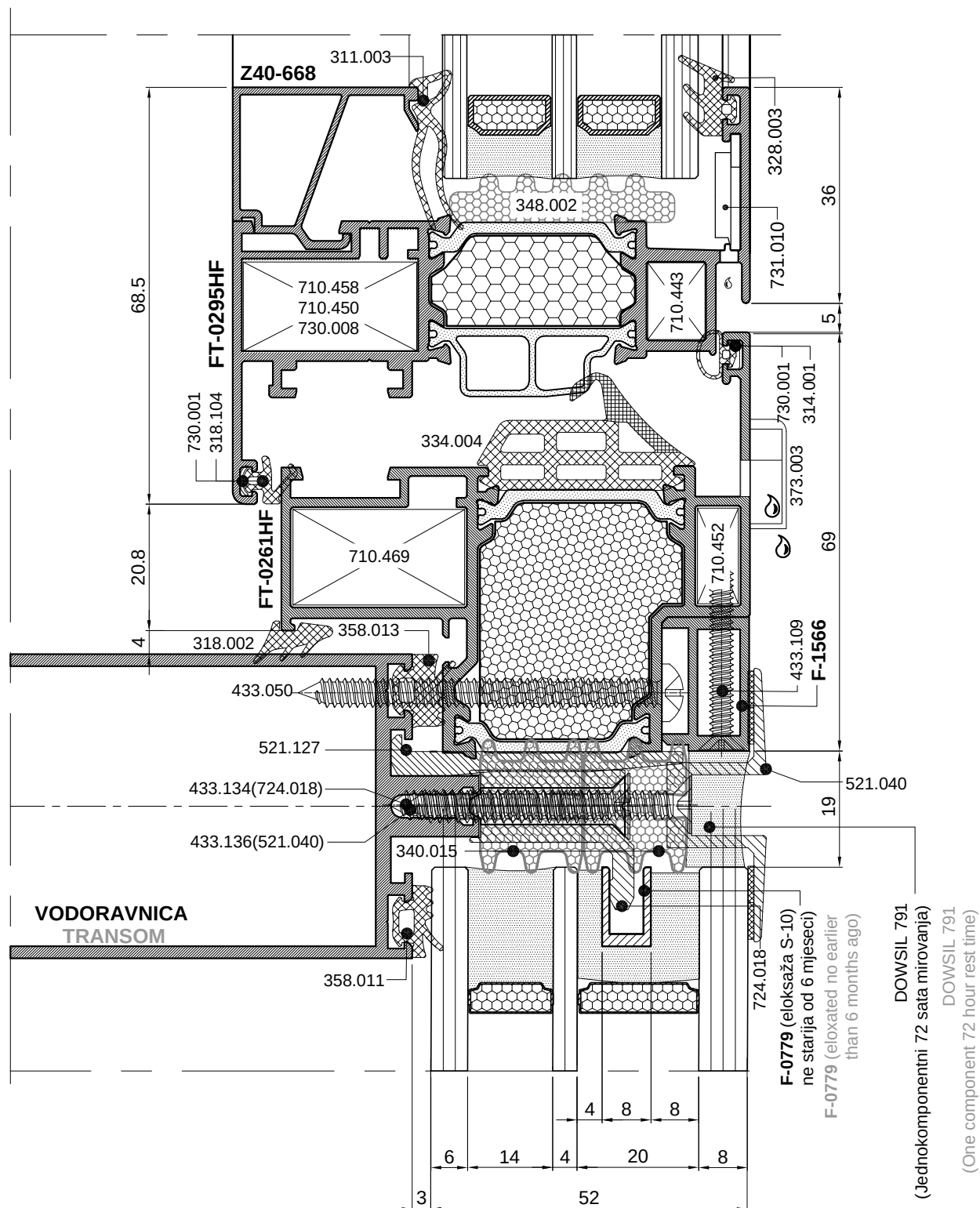
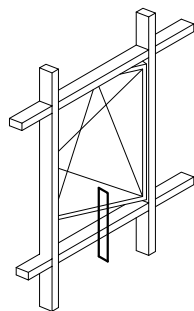


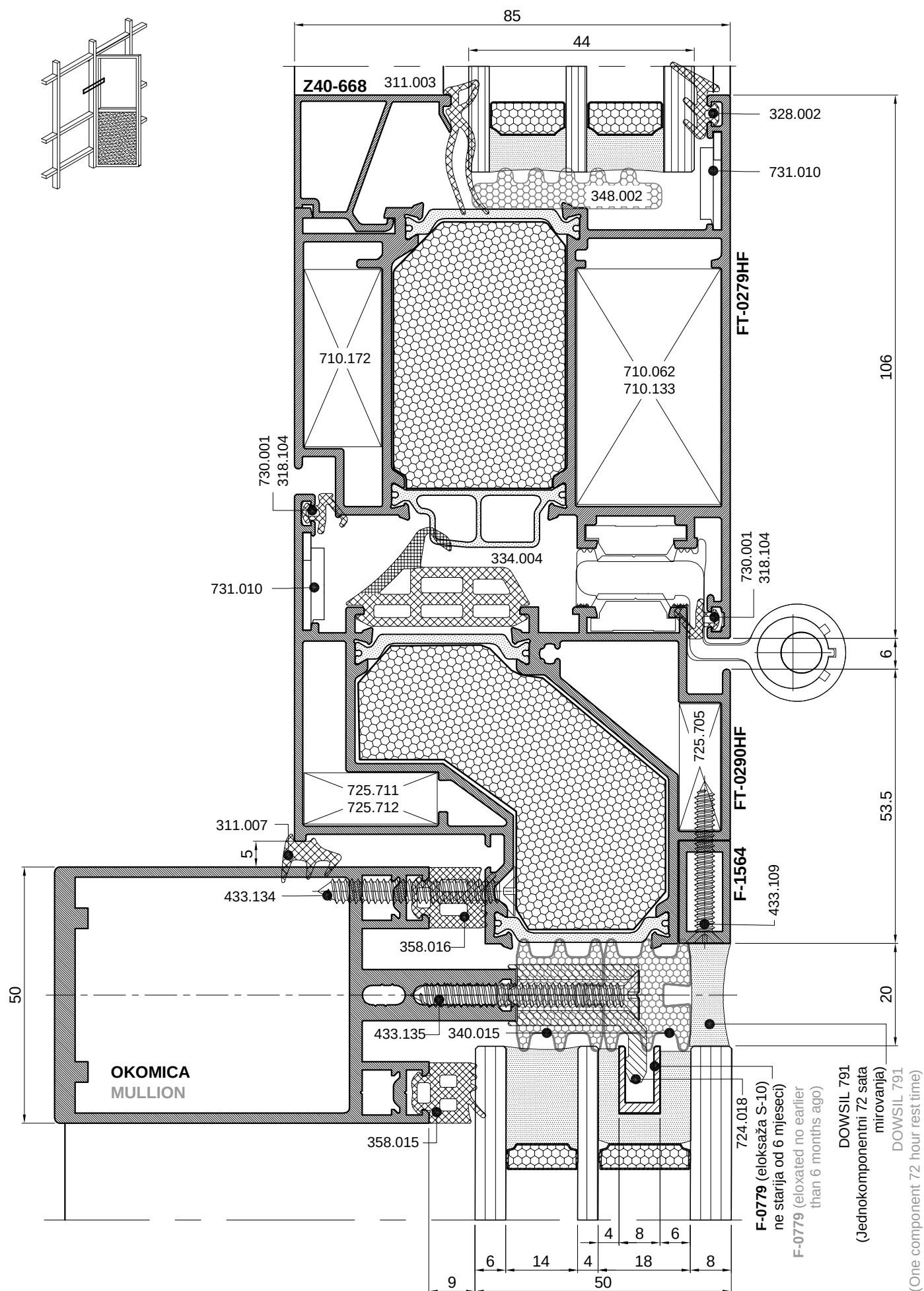


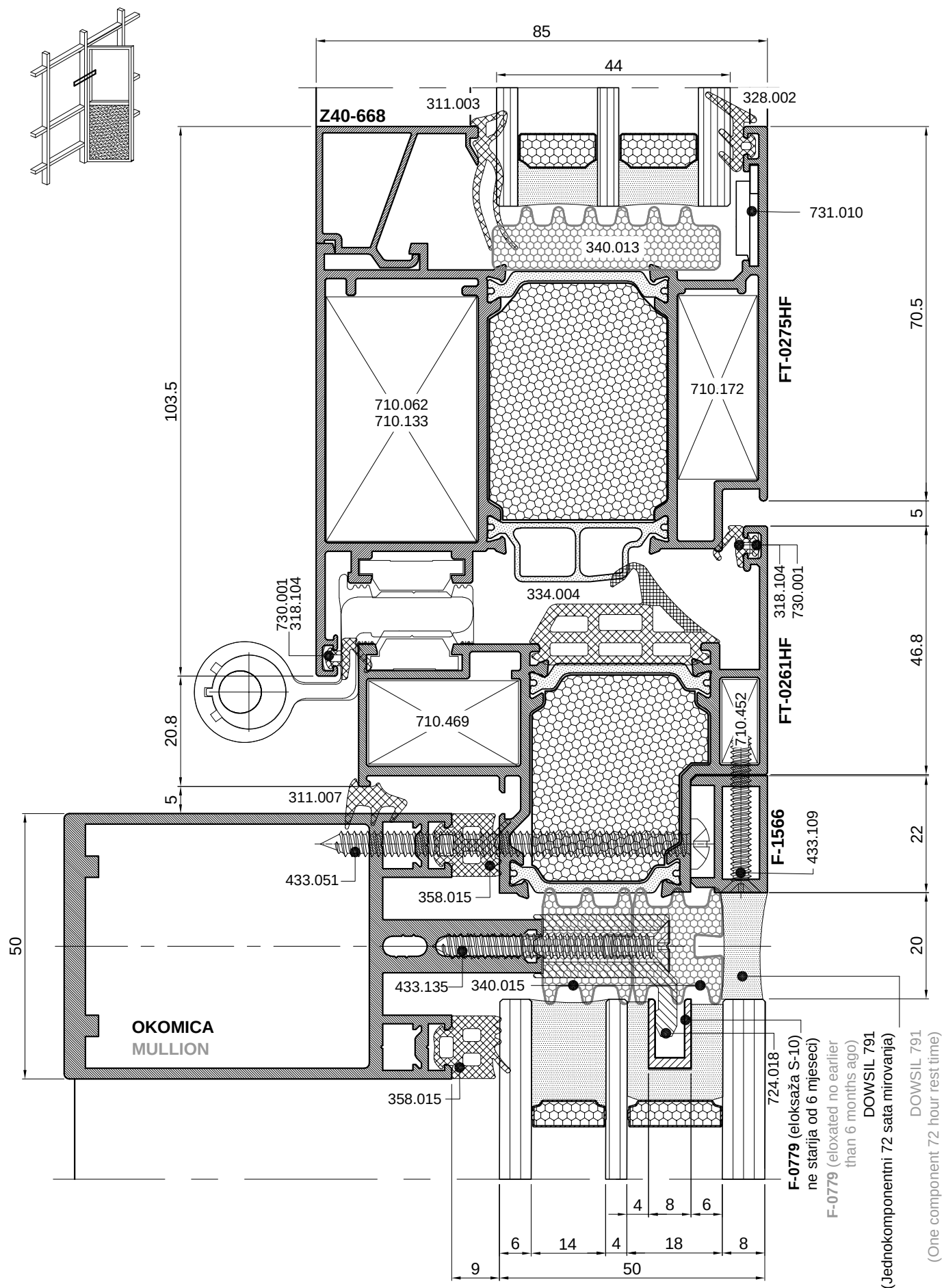


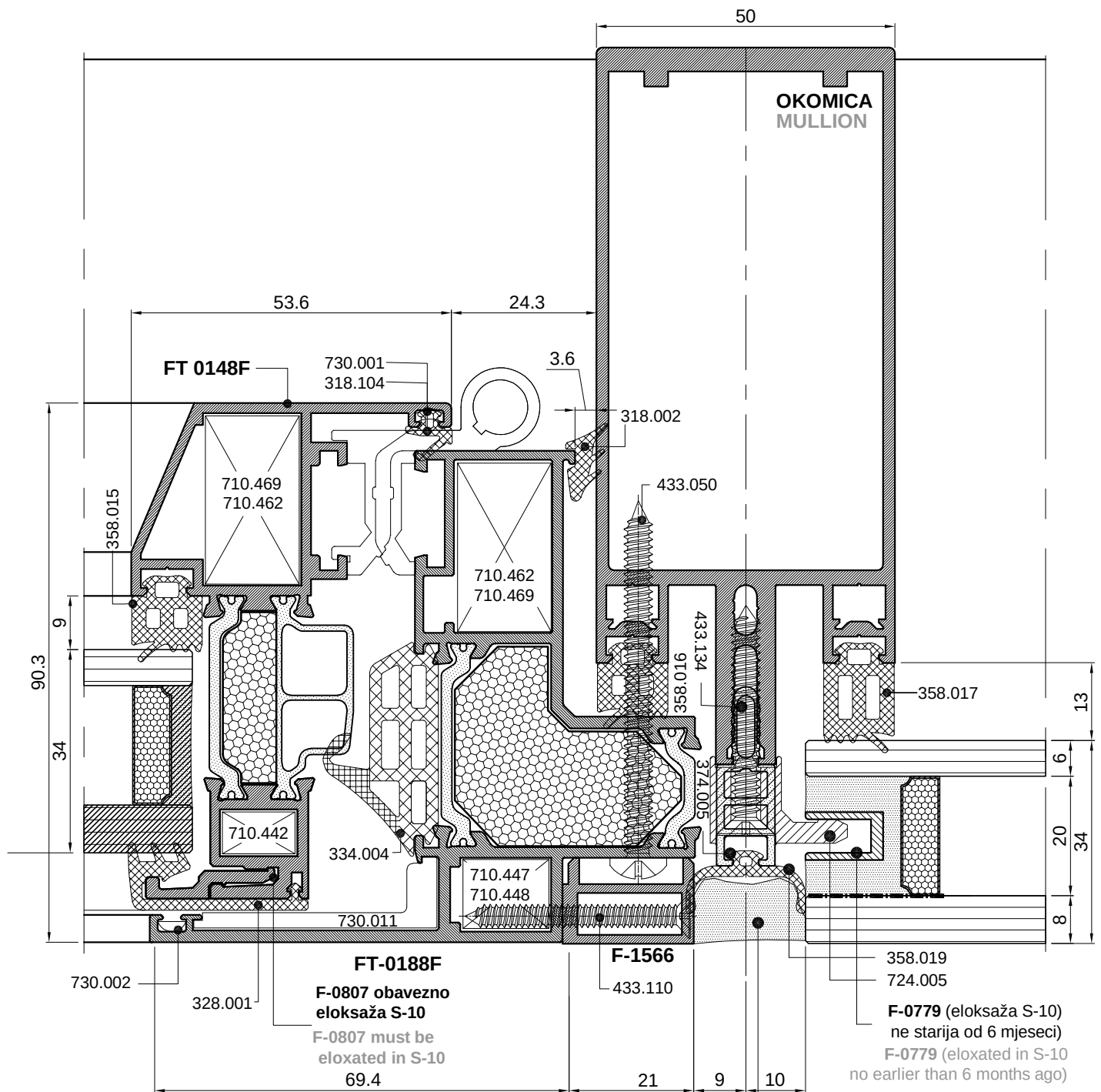
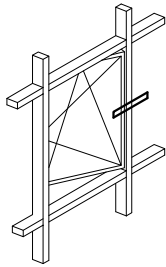






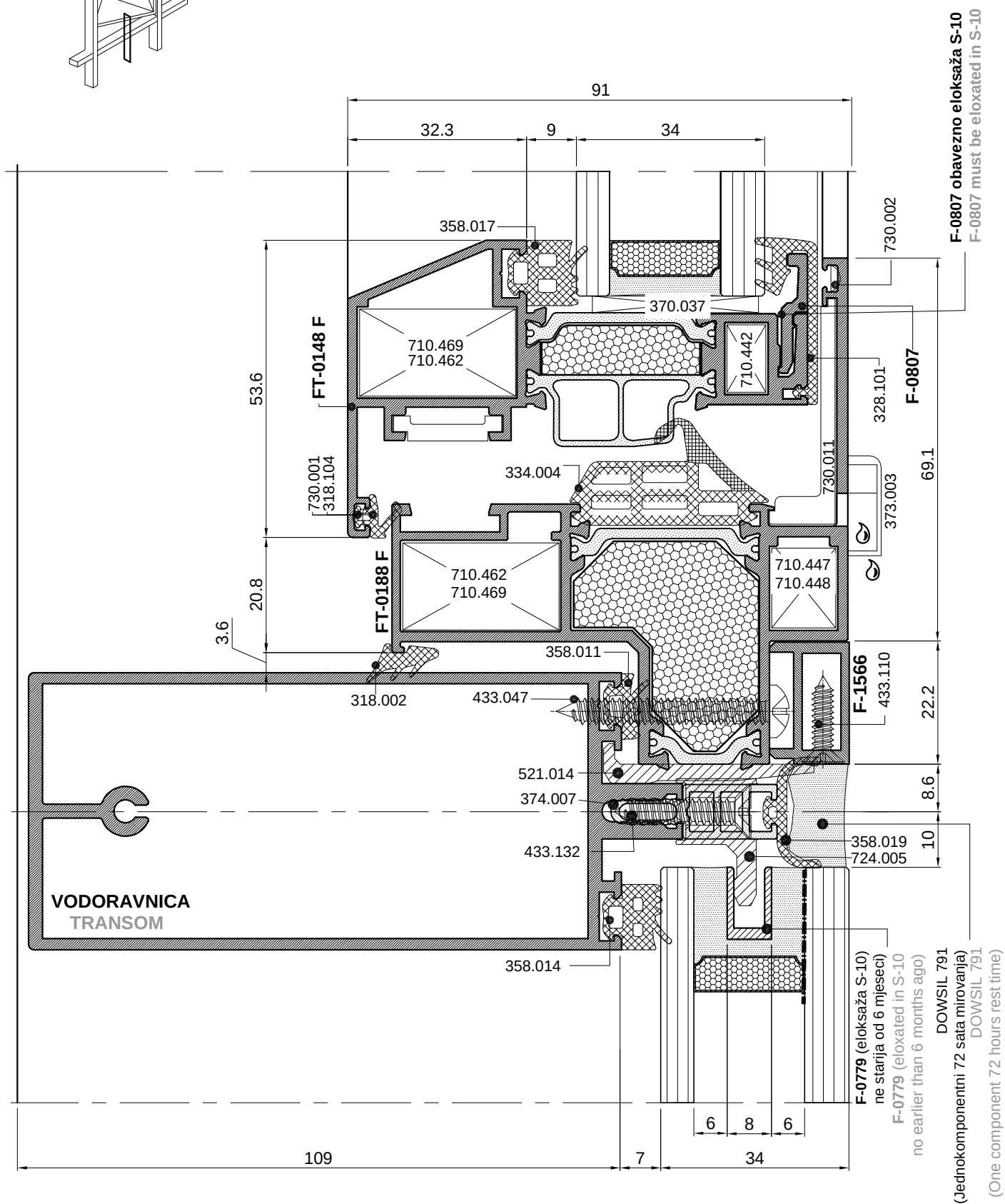
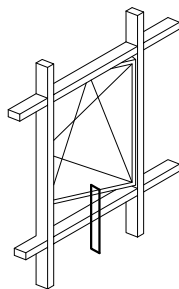


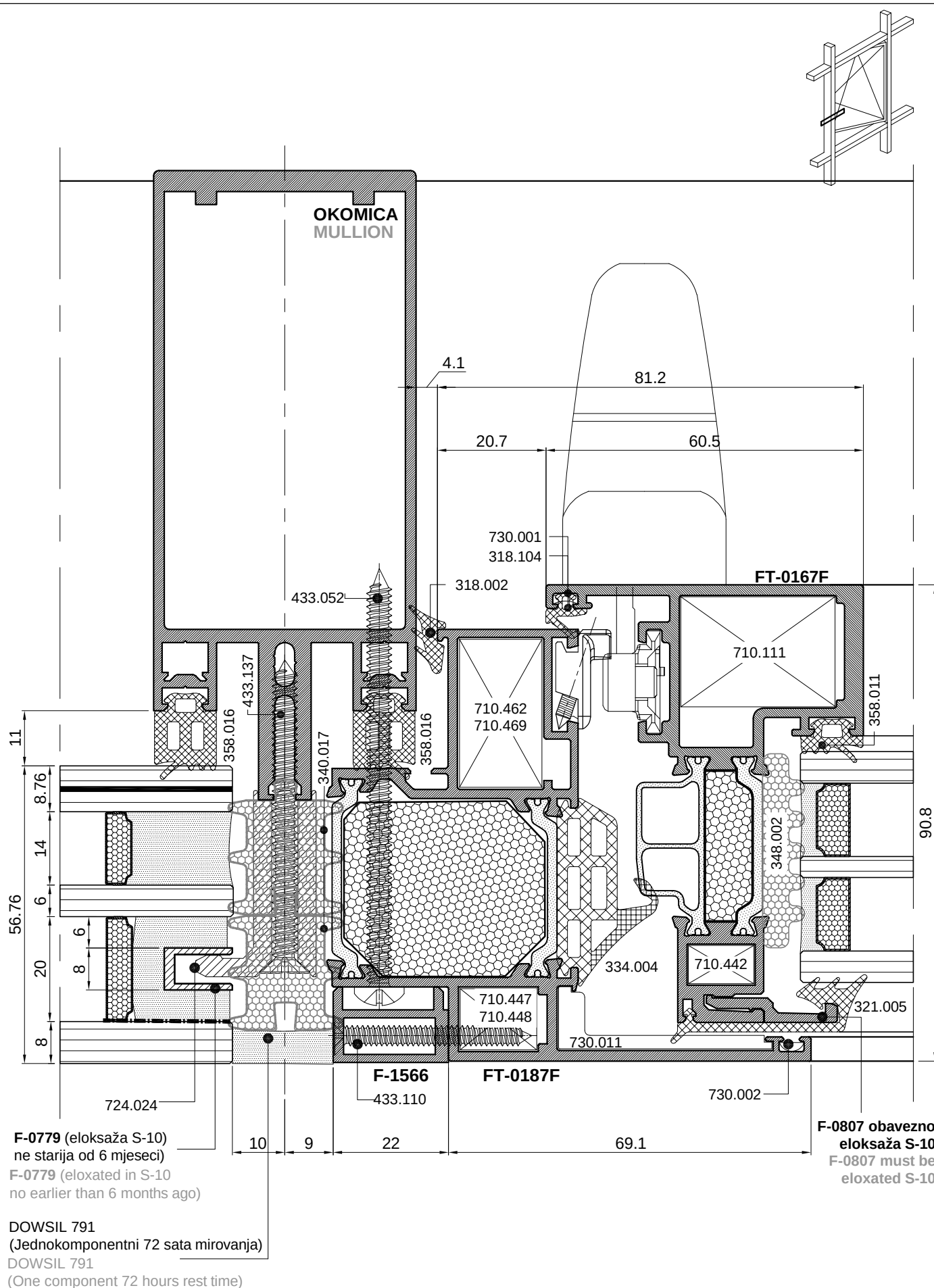


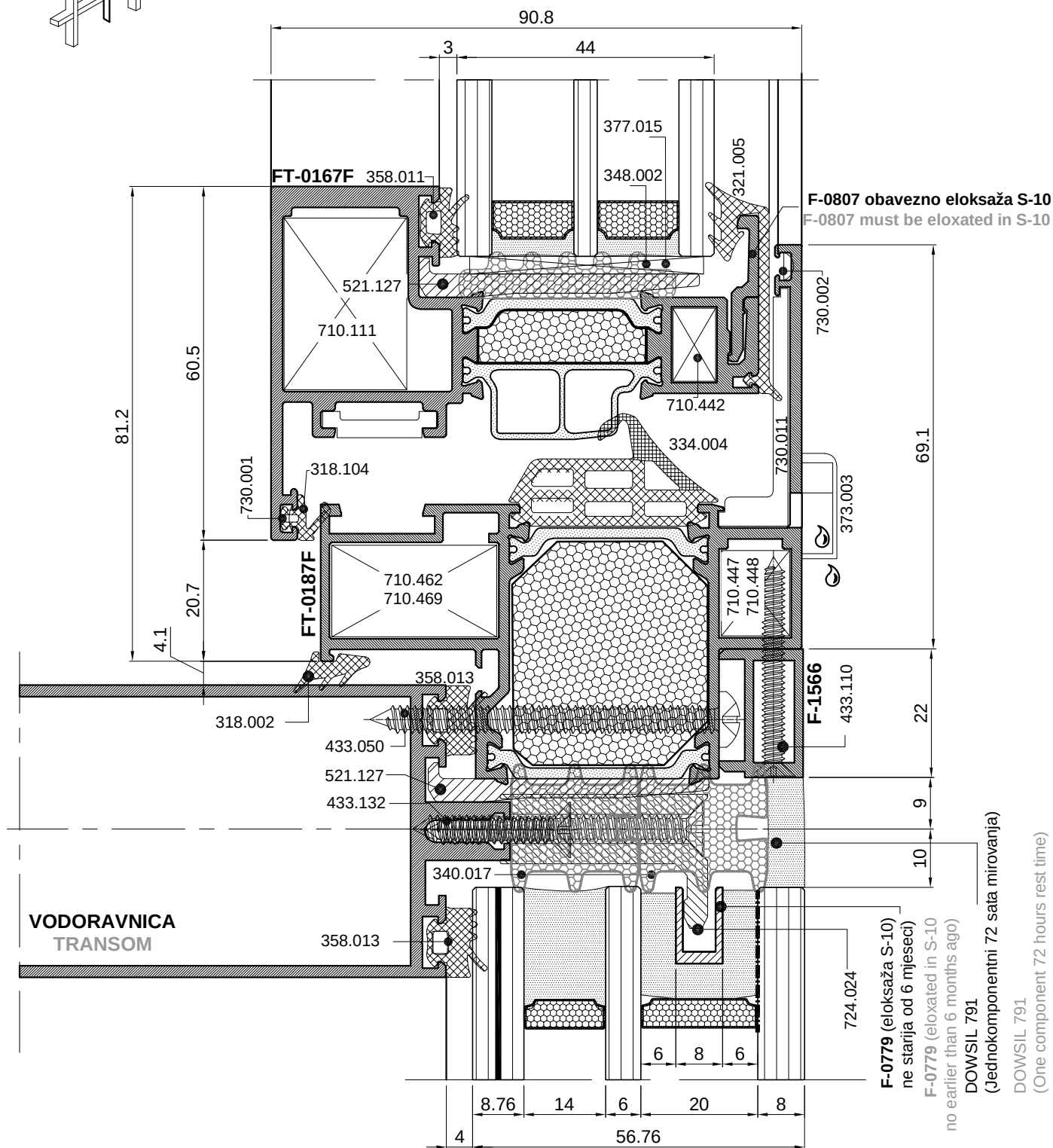
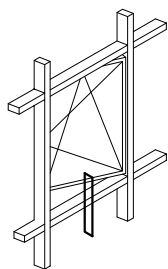


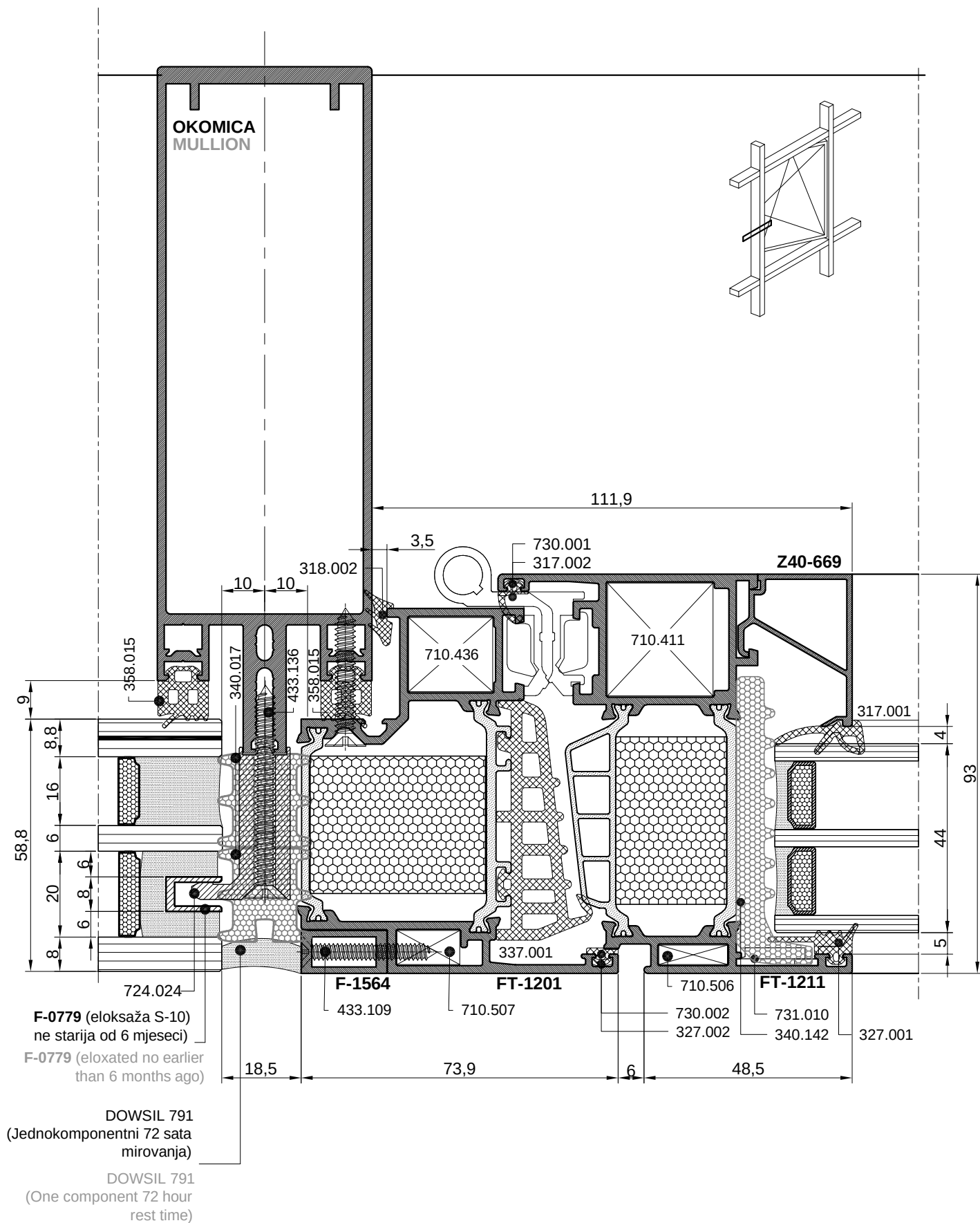
DOWSIL 791
(Jednokomponentni 72 sata mirovanja)

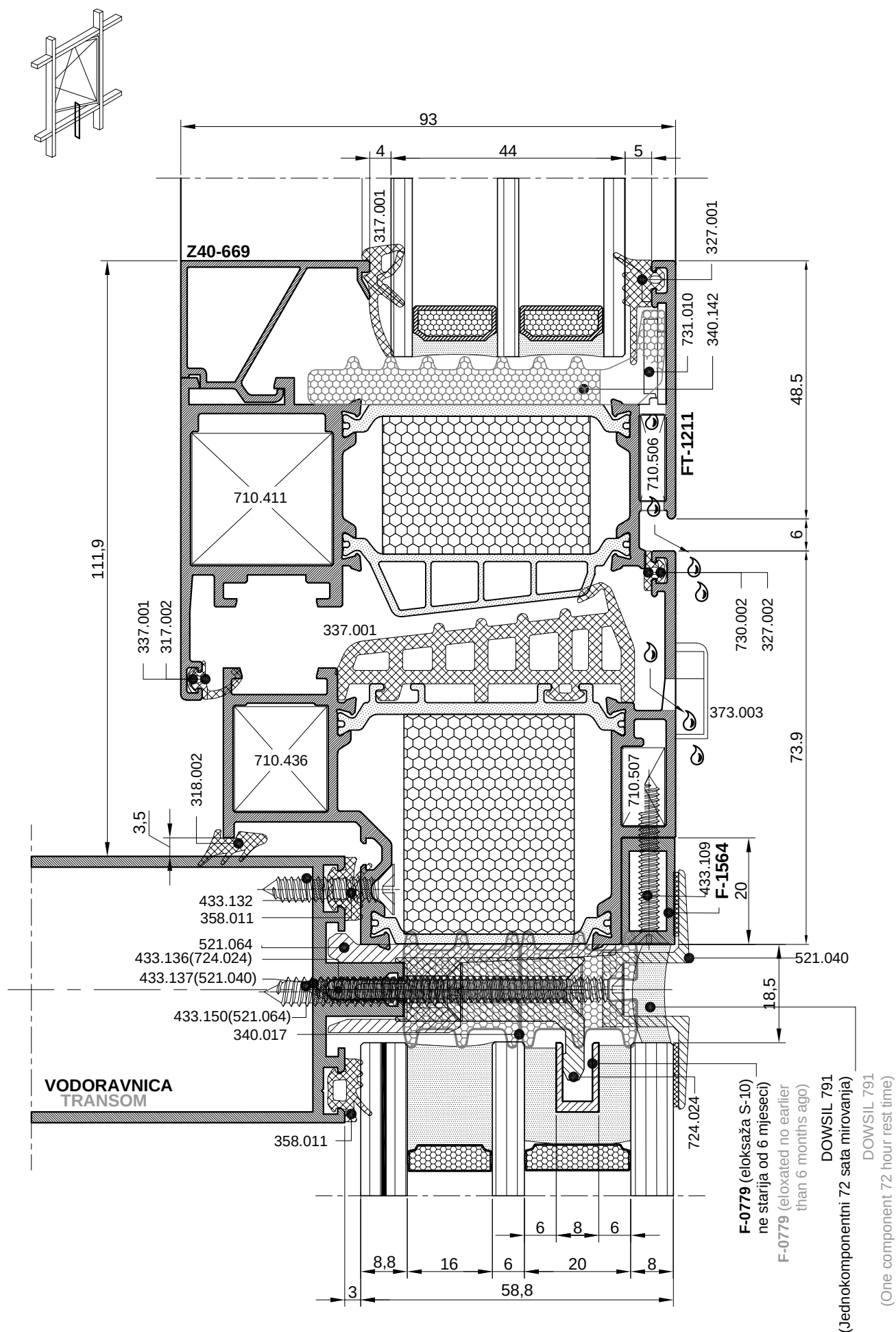
DOWSIL 791
(One component 72 hours rest time)

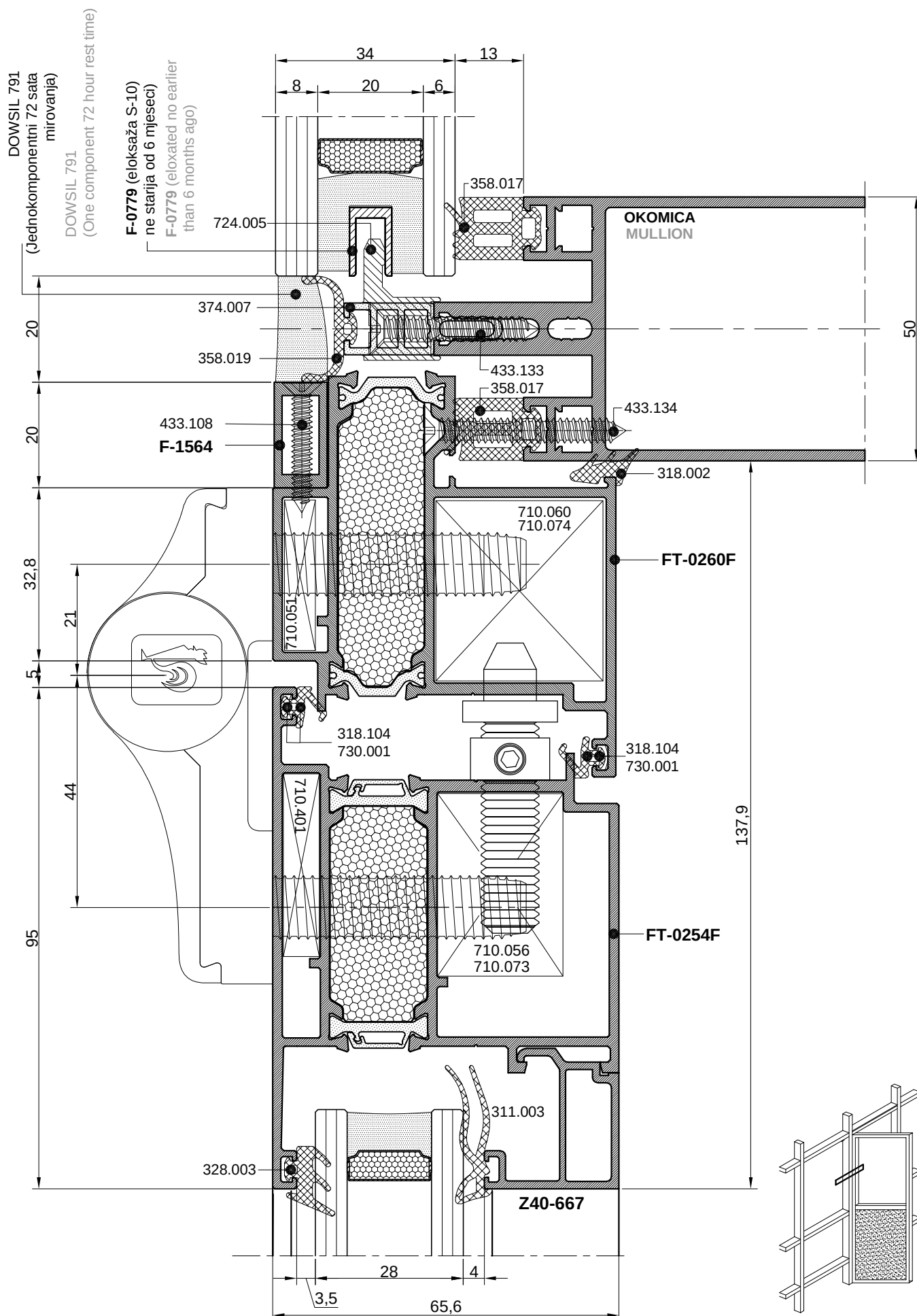


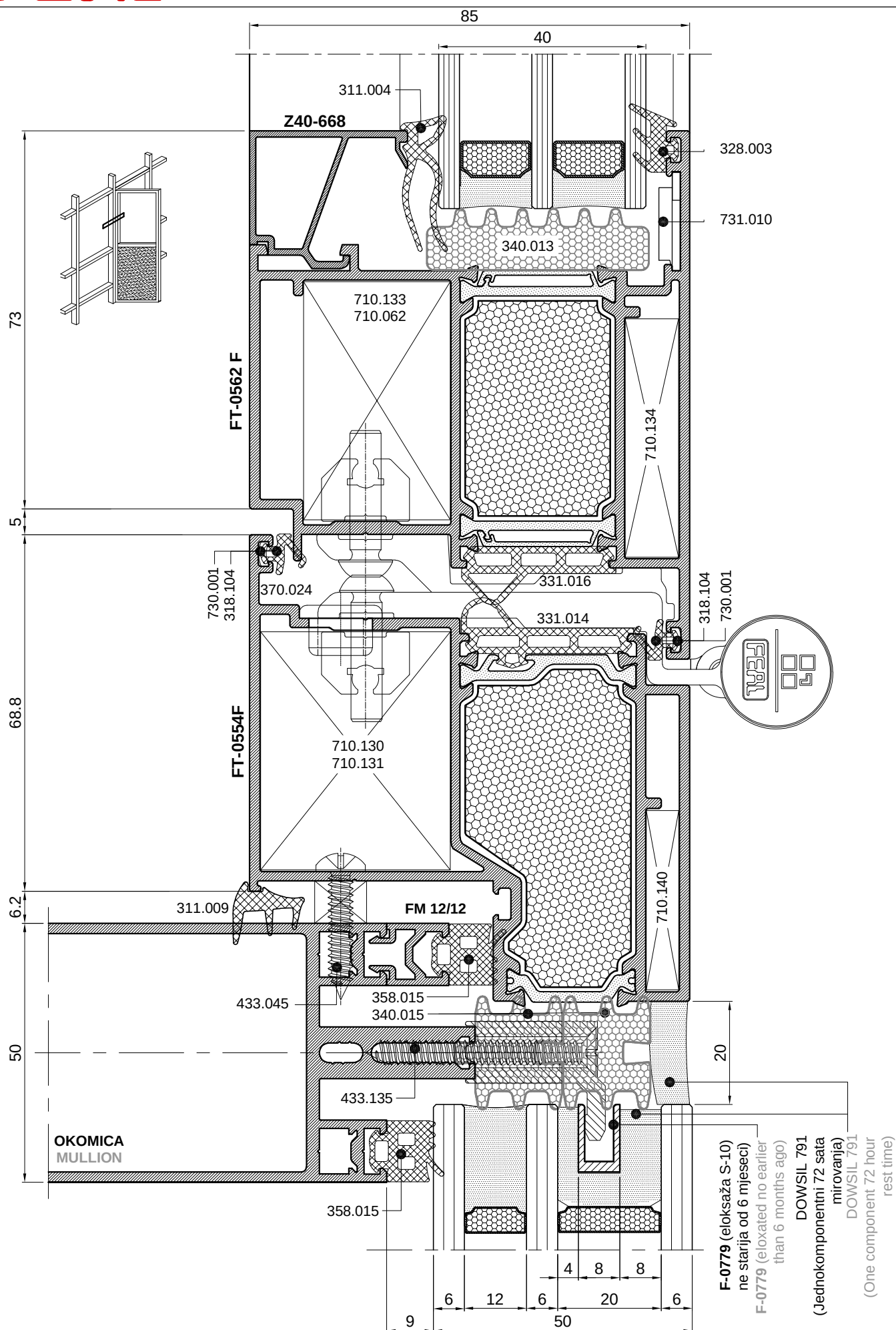


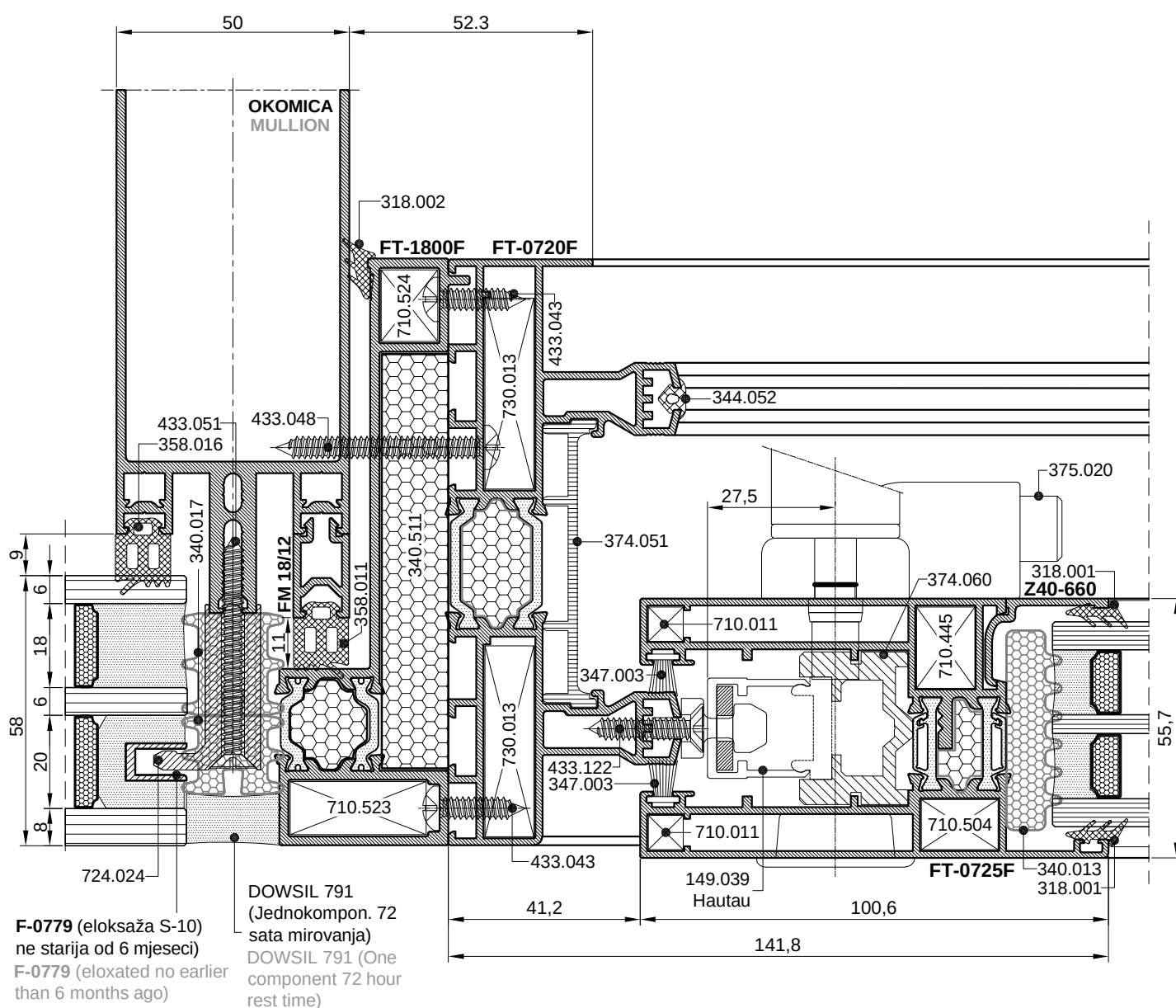
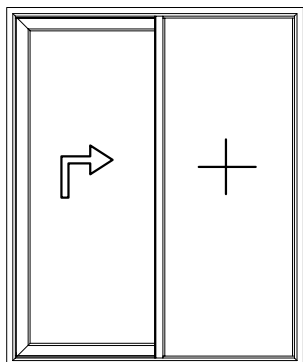


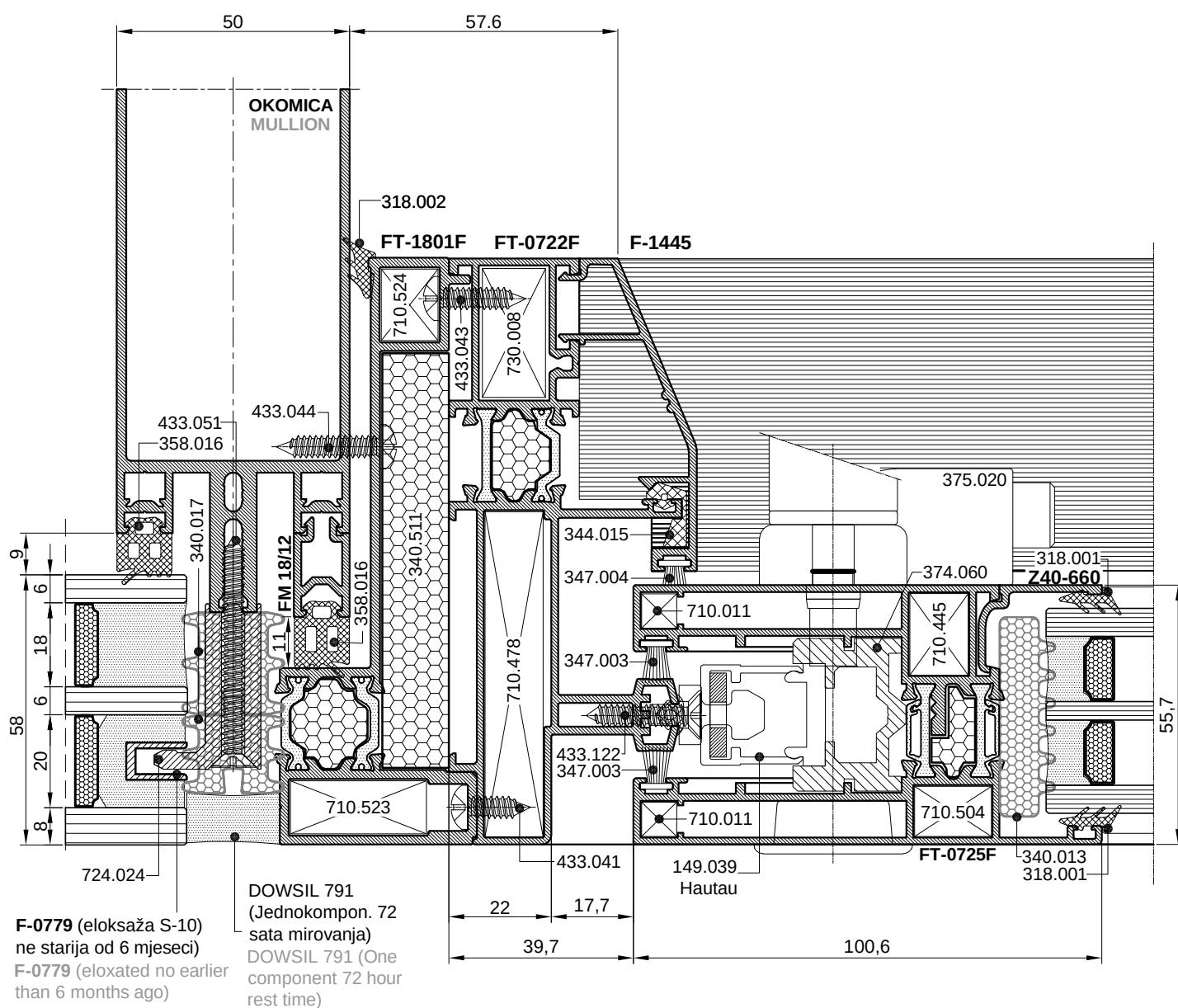
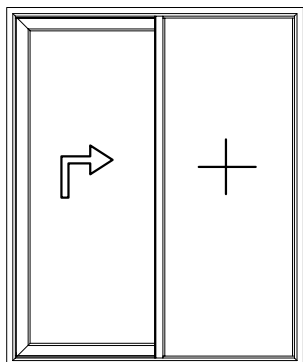


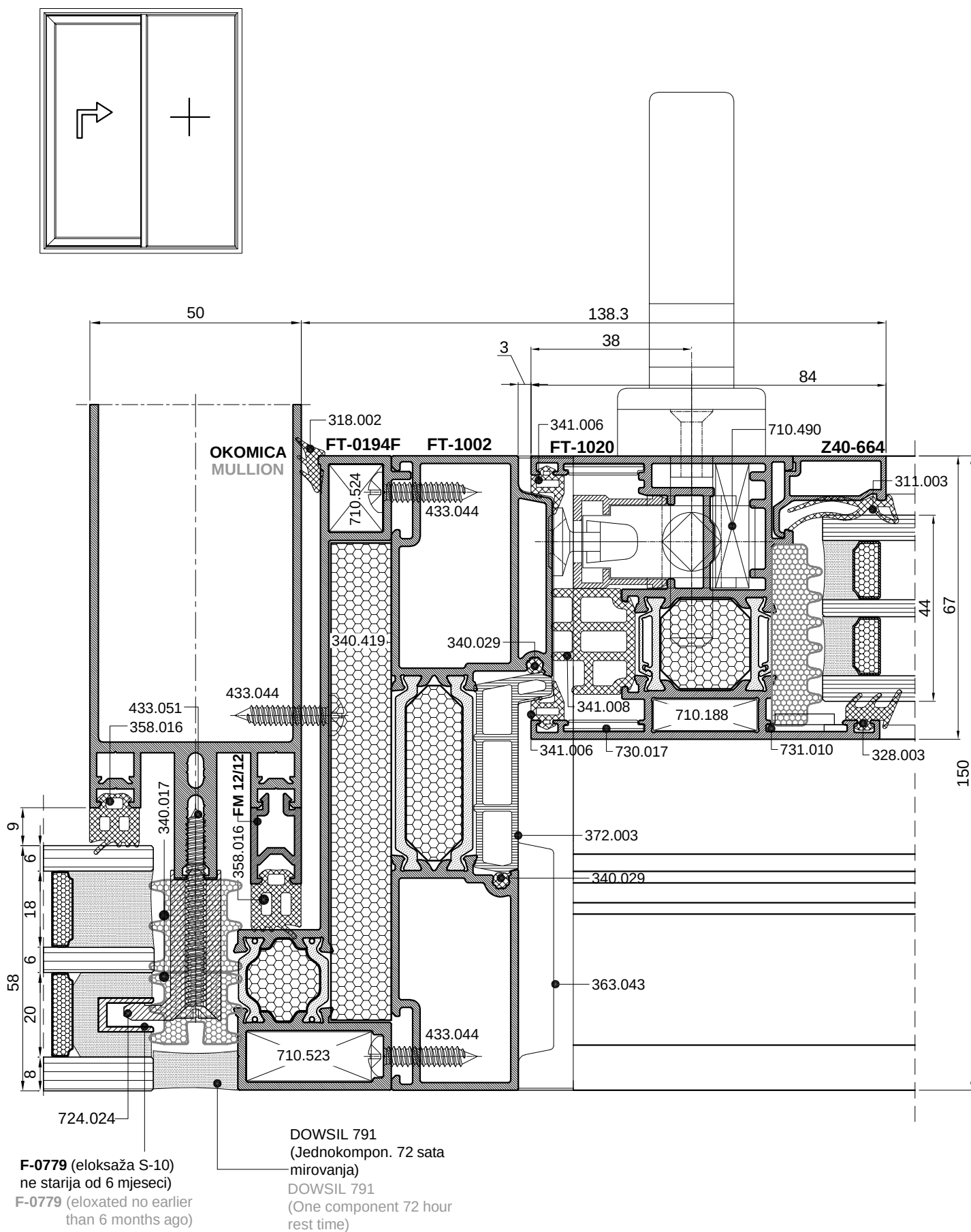


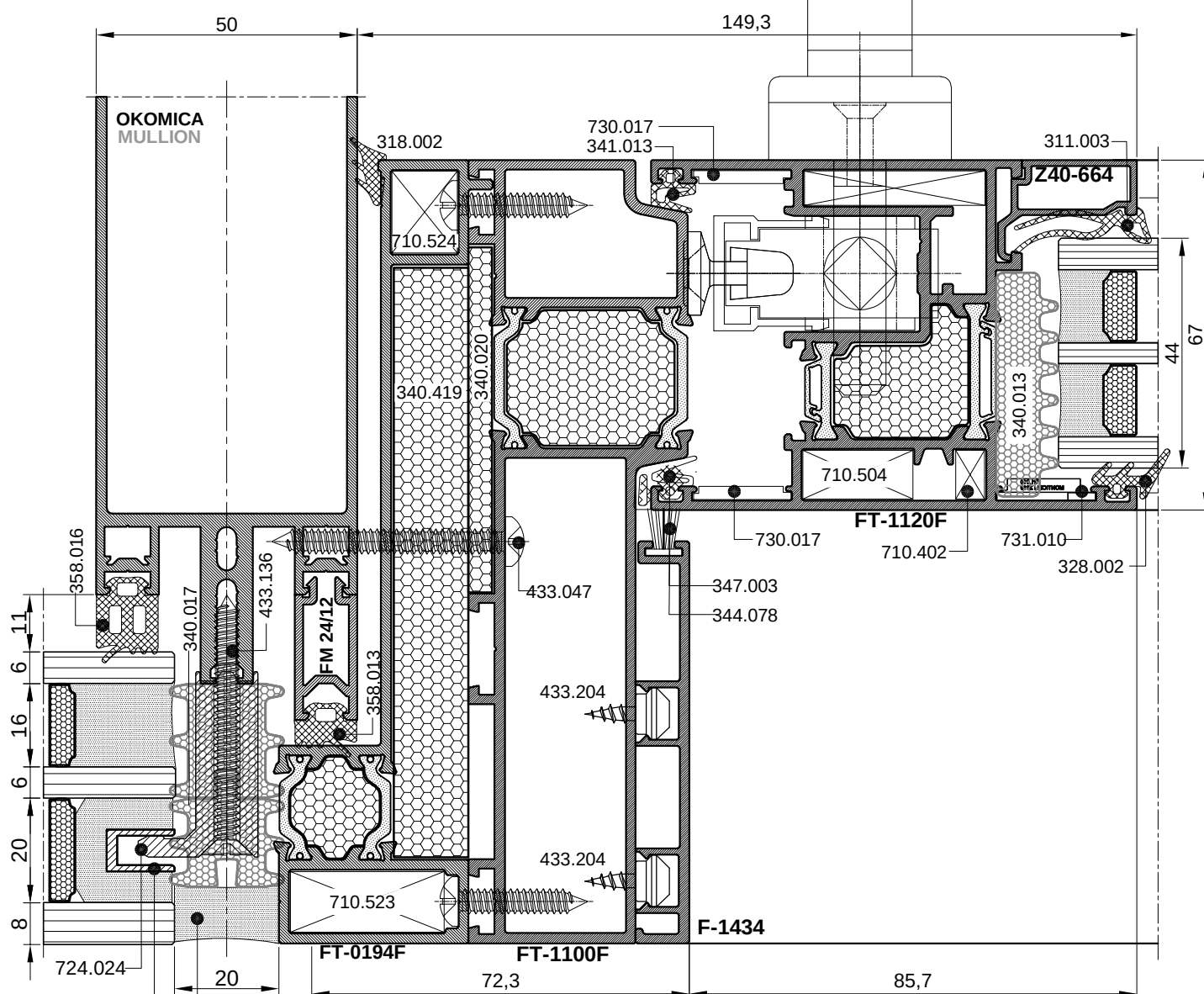
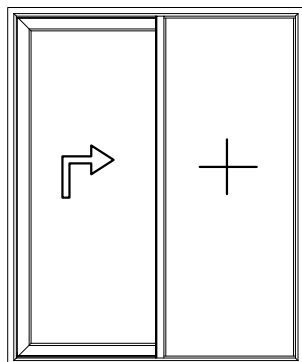




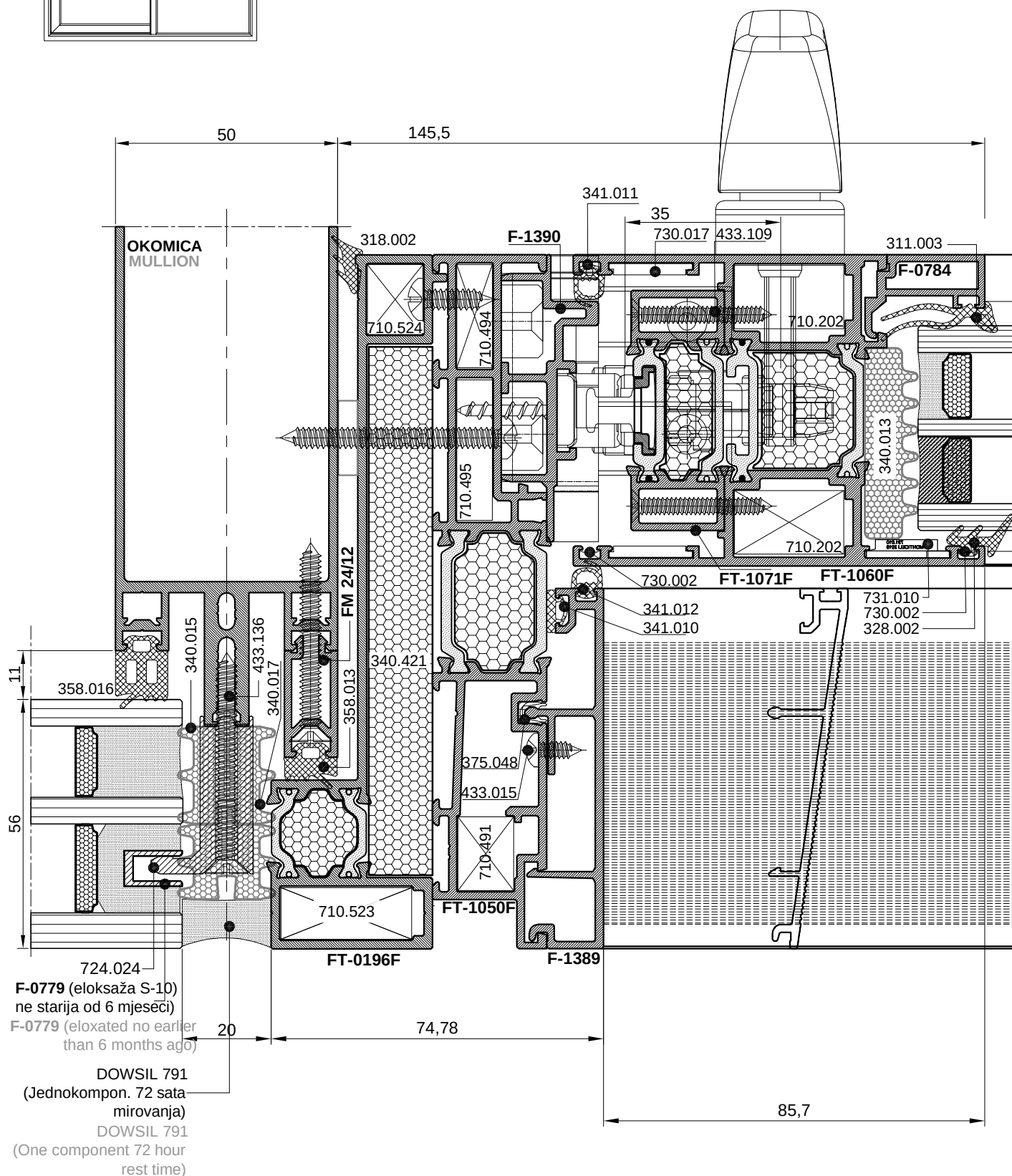
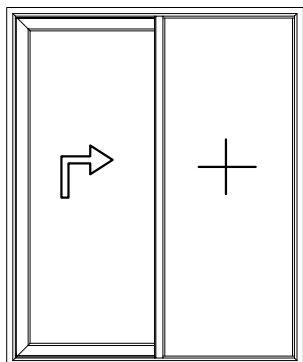


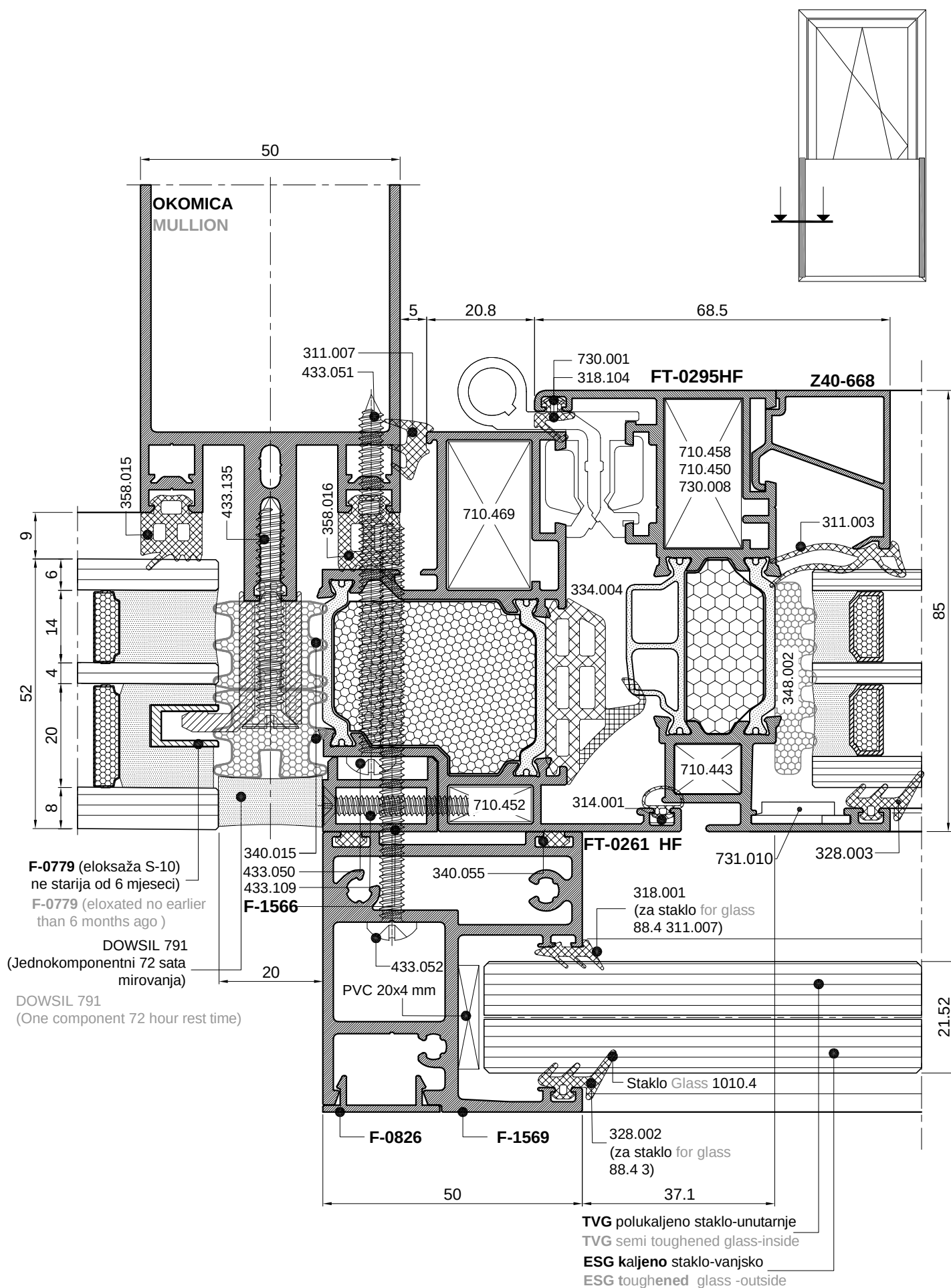






F-0779 (eloksaza S-10)
ne starija od 6 mjeseci)
F-0779 (eloxated no earlier
than 6 months ago)
DOWSIL 791
(jednkompon. 72 sata
mirovanja)
DOWSIL 791
(One component 72 hour
rest time)





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50 FK

Knjiga A / *Book A*
Svibanj 2025 / May 2025

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