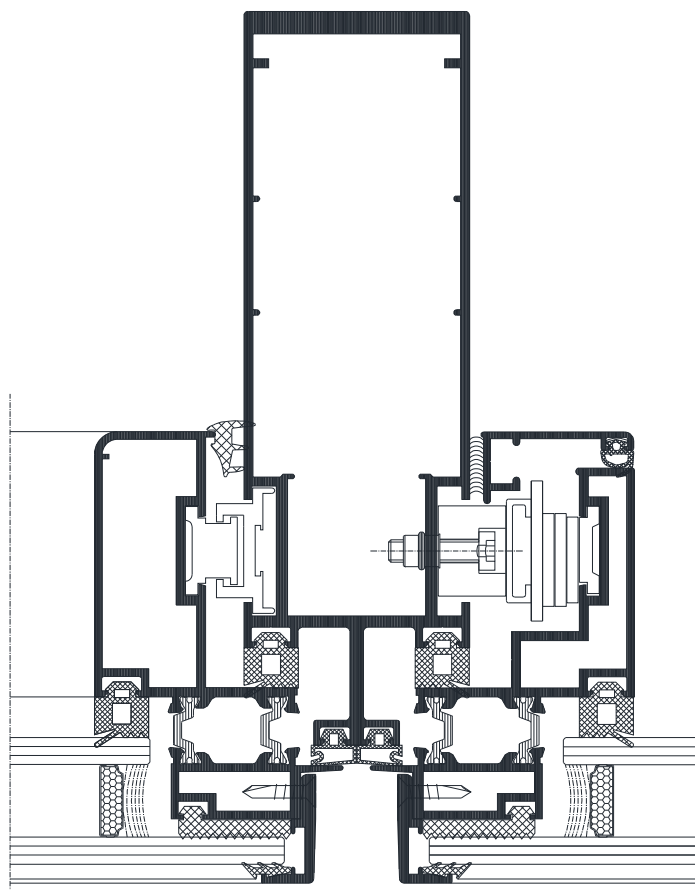
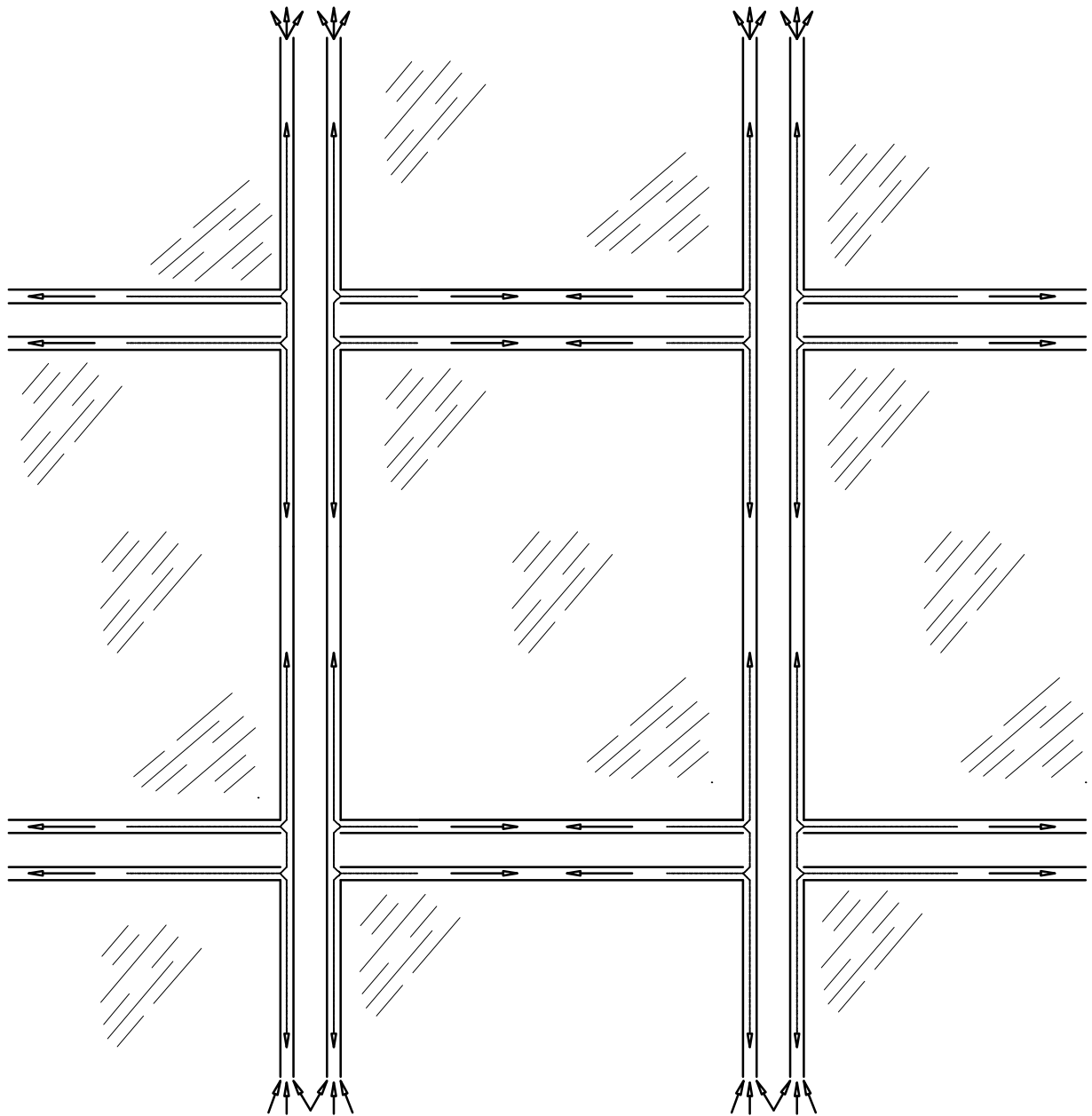


FEAL

FEAL d.o.o za preradu aluminija-Široki Brijeg, Trnska cesta 146



al. fasada **50 PS**



Sistem FEAL F-50-PS KONSTRUIRAN JE TAKO DA SU ZLIJEBOVI U OKOMICI I VODORAVNICI U RAZLICITIM RAVNIMA. MOGUCI KONDEZAT TIM JE NACINOM VODJEN SA ZLIJEBA VODORAVNICE U ZLIJEB OKOMICE, TE KONTROLIRANO DOLJE PREMA VANI (drenazni zlijeb). ISTOVREMENO ZRAK STRUJI KROZ OKOMICE I VODORAVNICE OD PARAPETA PREMA ATICI PRI CEMU OSTVARUJE POTREBNO VENTILIRANJE FASADE I SUSI MOGUCE KAPLJEVINE NASTALE KONDEZIRANJEM.

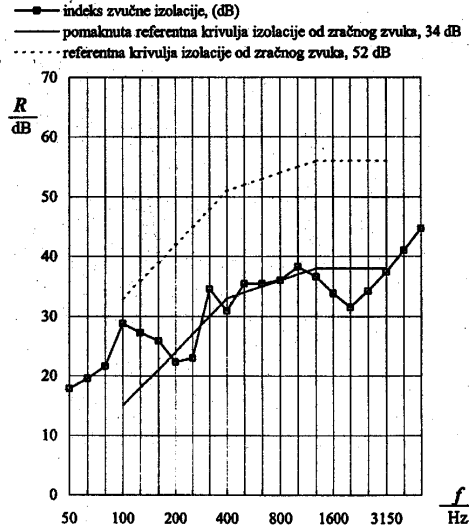


REZULTATI ISPITIVANJA izolacije od zračnog zvuka uzorka polustrukturalne al. fasade FEAL 50 PS

Tablica:

frekvencija f (Hz)	terca R (dB)
50	17.9
63	19.6
80	21.6
100	23.7
125	27.3
160	25.9
200	22.3
250	23.0
315	34.5
400	30.9
500	35.4
630	35.5
800	36.1
1000	38.3
1250	36.6
1600	33.8
2000	31.5
2500	34.3
3150	37.4
4000	41.0
5000	44.7

Dijagram:

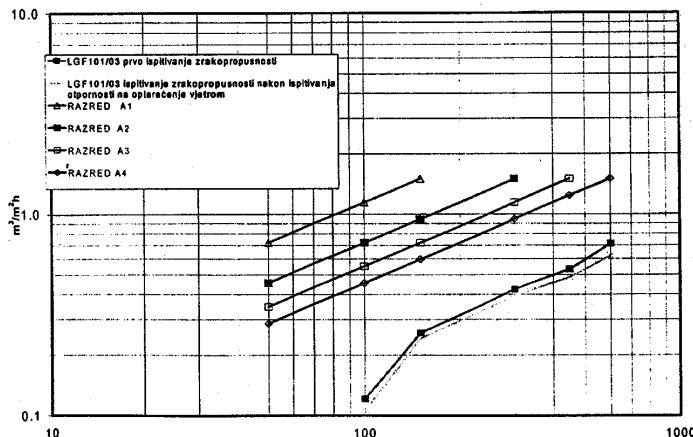


Voditelj laboratorija
Mr. sc. **Slobodan Siljanić**, dipl. ing. kem. tehn.

U skladu s HRN EN ISO 717-1:1998. vrednovani indeks zvučne izolacije za ispitani uzorak polustrukturalne aluminijske fasade FEAL 50 PS ostakljen IZO staklom 24 mm iznosi $R_w (C; C_{tr}; C_{50-5000}; C_{tr,50-5000}) = 34 (0; -2; 0; -3) \text{ dB}$.

REZULTATI ISPITIVANJA zrakopropusnosti uzorka polustrukturalne aluminijske fasade FEAL 50 PS.

3.3 Dijagram



3.2 Tablica mjernih rezultata

Δp (Pa)	Q (m^3/hm^2) LGF101/03	Q (m^3/hm^2) RAZRRED (HR EN12152:2001)			
		A1	A2	A3	A4
<i>prvo ispitivanje zrakopropusnosti</i>					
50	0.00	0.72	0.45	0.35	0.29
100	0.12	1.14	0.72	0.55	0.45
150	0.26	1.50	0.94	0.72	0.60
200	0.29		1.14	0.87	0.72
250	0.35		1.33	1.01	0.84
300	0.42		1.50	1.14	0.94
450	0.53			1.50	1.24
600	0.68				1.50

S obzirom na zrakopropusnost ispitani uzorak polustrukturalne al.fasade FEAL 50 PS ostakljen IZO staklom 24 mm može se svrstati u **razred A4**, u skladu s HRN EN 12152:2002.

Voditelj laboratorija
Mr. sc. **Slobodan Siljanić**, dipl. ing. kem. tehn.


REZULTATI ISPITIVANJA vodonepropusnosti uzorka polustrukturalne al. fasade FEAL 50 PS.

4.2 Tablica:

TLAK Δp (Pa)	VRJEME τ (min)	LGF 101/03	RAZRED (HRN EN 12154:2001)
0	15	+	
50	5	+	
100	5	+	
150	5	+/	R 4
200	5	+	
250	5	+	
300	5	+	R 5
450	5	+	R 6
600	5	+	R 7

+ Znači da nije došlo do propuštanja vode.
 ∇ Znači da je došlo do propuštanja vode.

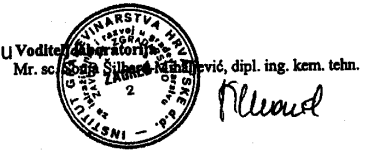
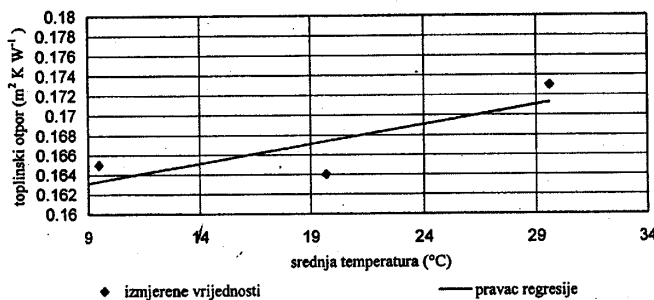


S obzirom na vodonepropusnost ispitani uzorak polustrukturalne al.fasade ostakljen IZO staklom 24 mm može se svrstati u **razred R7**, u skladu s HRN EN 12154:2001.

REZULTATI ISPITIVANJA otpornosti na vjetar uzorka polustrukturalne aluminijske fasade FEAL 50 PS ostakljene IZO staklom 24 mm u skladu s HRN EN 13116:2001

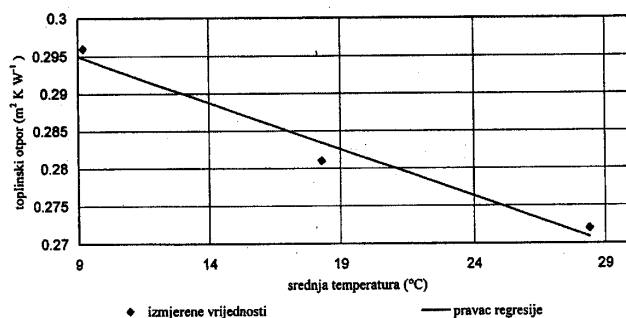
- maksimalno relativno čeonno savijanje je 1/2282 (max. doz. 1/200),
- nakon opterećenja prednja strana uzorka vratila se na 100% početne vrijednosti (min.doz. 95%)
- ispitivanje zrakopropusnosti nakon otpornosti na vjetar kazuje da nije došlo do prekoračenja vrijednosti u odnosu na prvo ispitivanje.

Pri opterećenju uzorka na 900 Pa (150% maksimalnog ispitnog tlaka) u trajanju od 15 s nije došlo do vidljivih promjena na uzorku.


REZULTATI ISPITIVANJA toplinske prohodnosti (koeficijent prolaza topline k) uzoraka polustrukturalne al.fasade 50 PS izrađenog od profila okomice i vodoravnice, ostakljenog IZO staklom 24 mm.


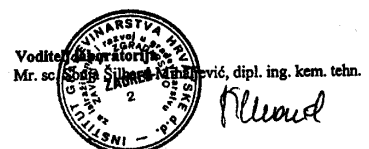
Za ispitni uzorak1 sa al.profilom vodoravnice SB-11/50

U skladu s HRN U.J5.510:1987, koeficijent prolaza topline ispitnog uzorka1 iznosi $k=3 \text{ WK}^{-1}\text{m}^2$



Za ispitni uzorak2 sa al.profilom okomice SB-003/50

U skladu s HRN U.J5.510:1987, koeficijent prolaza topline ispitnog uzorka2 iznosi $k=2.2 \text{ WK}^{-1}\text{m}^2$



Napomena: Ispitivanje je provedeno na Institutu Građevinarstva Hrvatske u Zagrebu

TEHNICKE PREDPOSTAVKE ANALIZE

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

- Staticki model nosaca: Nosac oslonjen u 2/3 krajnje točke sidrenja
- Uvjeti eksploatacije obzirom na vjetar:..... $V=50-180\text{km/h}$
- Maximalni vodoravni raster fasade:..... $L=60-210\text{cm}$
- Dozvoljeni progib nosaca:..... $f_{pr} \leq H/300(\text{cm})$
- Specifično opterećenje fasade vjetrom:..... $q(\text{kg/cm}^2)$
- Jedinicno opterećenje nosaca:..... $Q=q \times L(\text{kg/cm})$

Temeljna analiza je obuhvatila staticku 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.

Visina površine nad terenom koja je izložena dejstvu vjetra	Stupanj zaštite fasadnog objekta	DJELOVANJE VJETRA ZA ZEMLJOPISNE ZONE					
		I	I	II	II	III	III
		Kg/m ²	Km/h	Kg/m ²	Km/h	Kg/m ²	Km/h
Do 10 m	Zaštićen	30	79	40	91	55	107
	Poluzaštićen	40	91	55	107	60	112
	Izložen	45	97	70	120	110	151
Od 10 m do 30 m	Poluzaštićen	50	102	75	125	110	151
	Izložen	60	112	90	137	130	164
Od 30 m do 60 m	Izložen	70	120	105	148	150	176
Od 60 m do 100 m	Izložen	80	129	120	158	170	188

REZULTATI ANALIZE

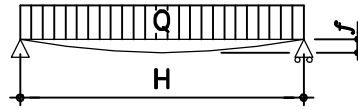
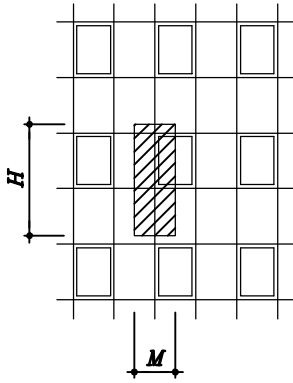
Rezultati staticke analize dobiveni su uporabom racunalnih programa za analizu:

- CADS Analyse 3D , UK
- Excel , Microsoft , USA

U samoj analizi varirani su kao ulazni parametri opterećenja usljed dejstva vjetra u rasponu $V=50-180\text{ km/h}$ i vodoravni raster fasade u rasponu $L=60-160\text{cm}$, a kao odziv - rezultat analize je dobiven maksimalni međukatni raster ili raster sidrenja longitudinalnih okomitih nosaca.

Sami rezultati analize za sve moguće varijante dati su tabelarno i u formi grafickih 2D dijagrama te se isti mogu koristiti u preliminarnom određivanju rastera sidrenja i odabiru nosaca.

Split, ozujak, 2002.



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

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

$Jx =$ [cm⁴]

$Q =$ [Kg]

$q = vjetar$ [Kg/m²]

$$Q = q * M * H = [Kg]$$

$E =$ MODUL ELASTICNOSTI [Kg/cm²]

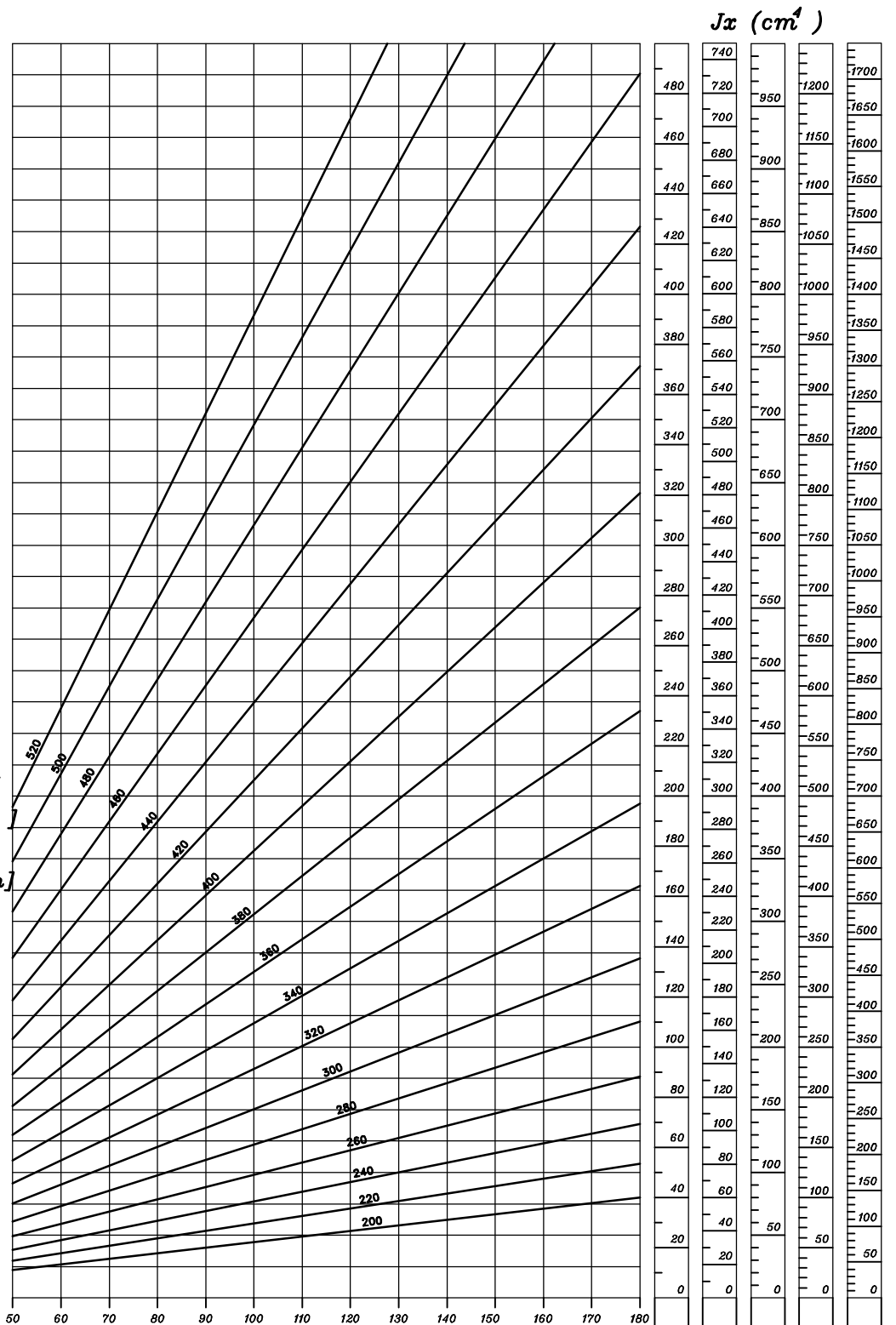
$f =$ PROGIB [cm]

$M = 115$ cm

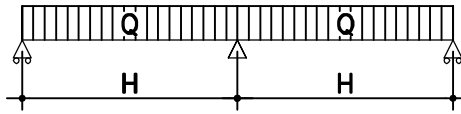
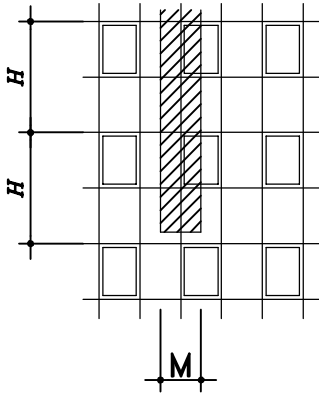
$H = 320$ cm

$q = 100$ Kg/m²

$Jx = 210$ cm⁴



$q = \text{Kg/m}^2$	V1	V1a	V2	V2a	V3
	50	75	100	125	175



$f_{adm} = H/300$

$$Jx = 0,00542 * \frac{Q * H^3}{E * f}$$

$Jx = [cm^4]$

$Q = [Kg]$

$q = [Kg/m^2]$

$$Q = q * M * H = [Kg]$$

$E = [Kg/cm^2]$

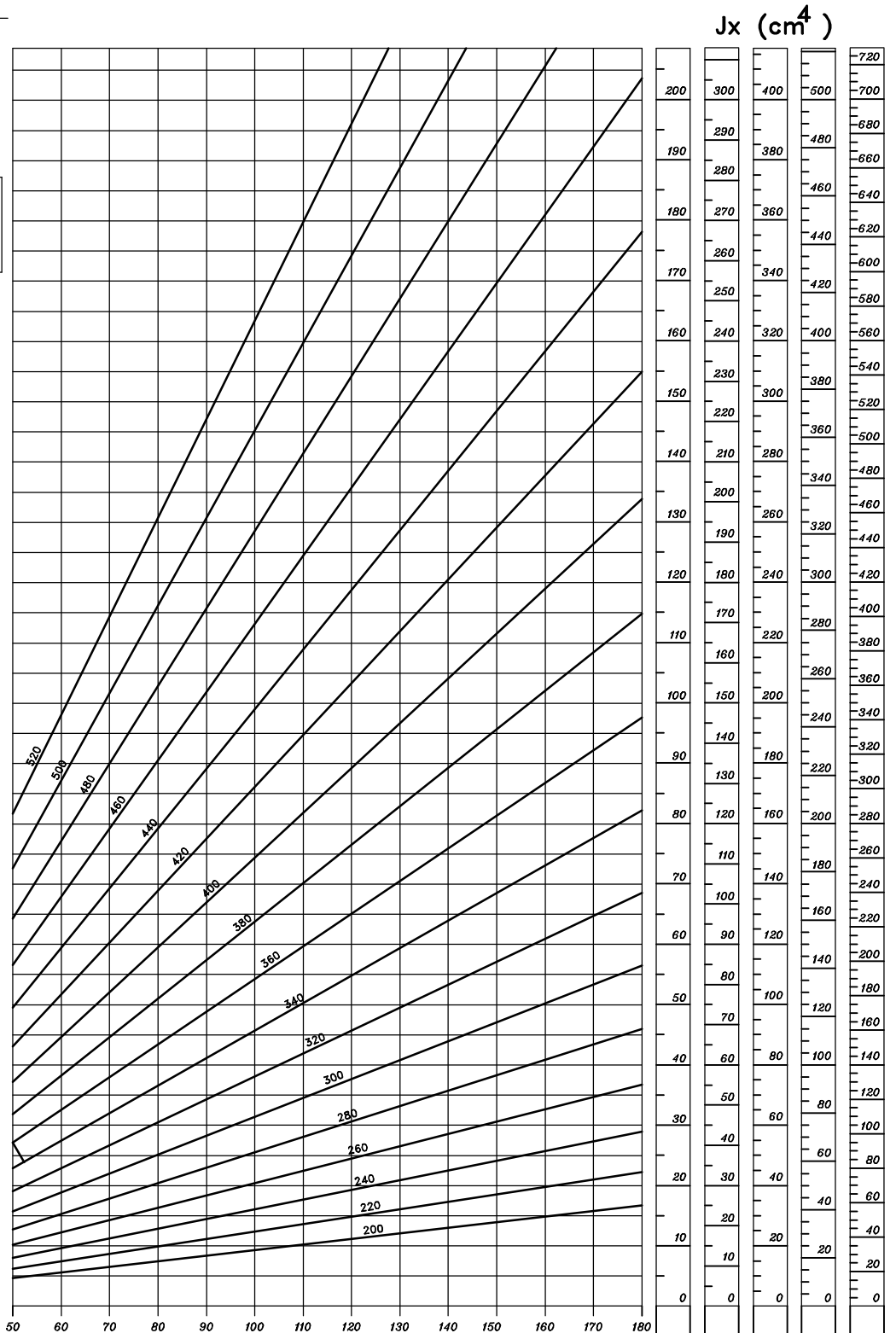
$f = [cm]$

$M = 115 cm$

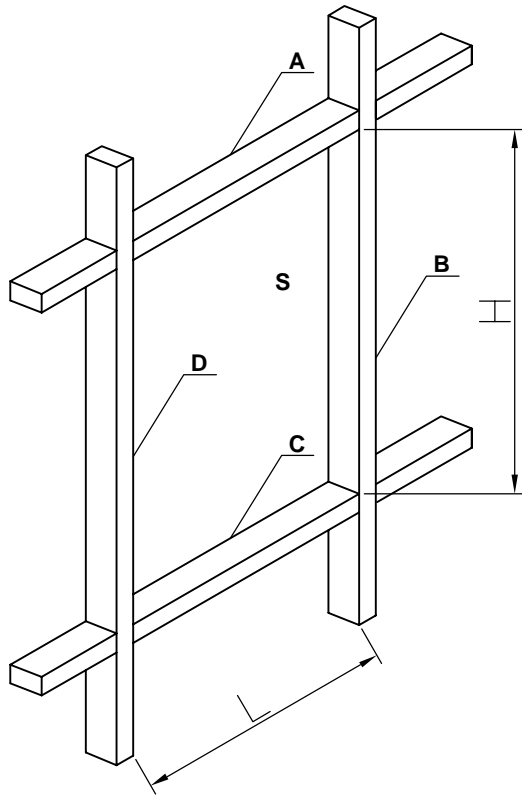
$H = 320 cm$

$q = 100 Kg/m^2$

$Jx = 87.5 cm^4$



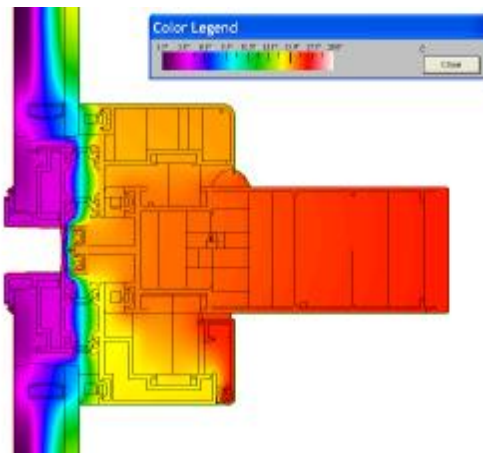
CLASSE	V1	V1a	V2	V2a	V3
q = Kg/m ²	50	75	100	125	175



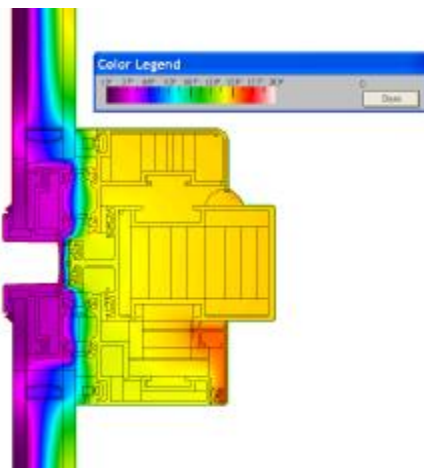
Proračun koeficijenta prolaska topline počiva na dvodimenzionalnoj numeričkoj metodi konačnih elemenata određene prema prEN ISO 10077-2.

DIMENZIJE	L	(m)	1
	H	(m)	1.2
A-vodoravnica	U_A	(W/m^2K)	2.92
B-okomica	U_B	(W/m^2K)	3.19
C-vodoravnica	U_C	(W/m^2K)	3.16
D-okomica	U_D	(W/m^2K)	3.14
S-staklo	U_S	(W/m^2K)	2.62
Kombinacija stakla i profila	U_F	(W/m^2K)	2.74

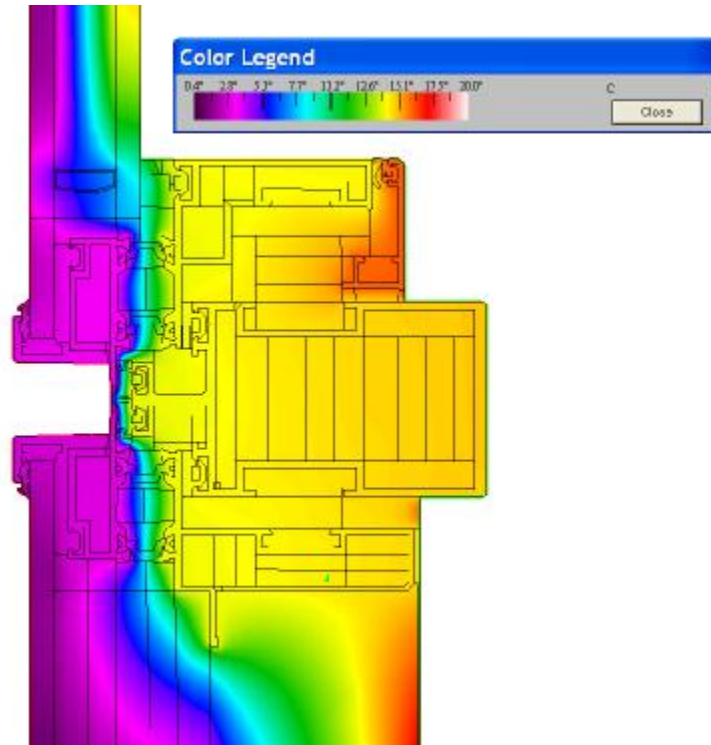
Temperaturni dijagram za B i D



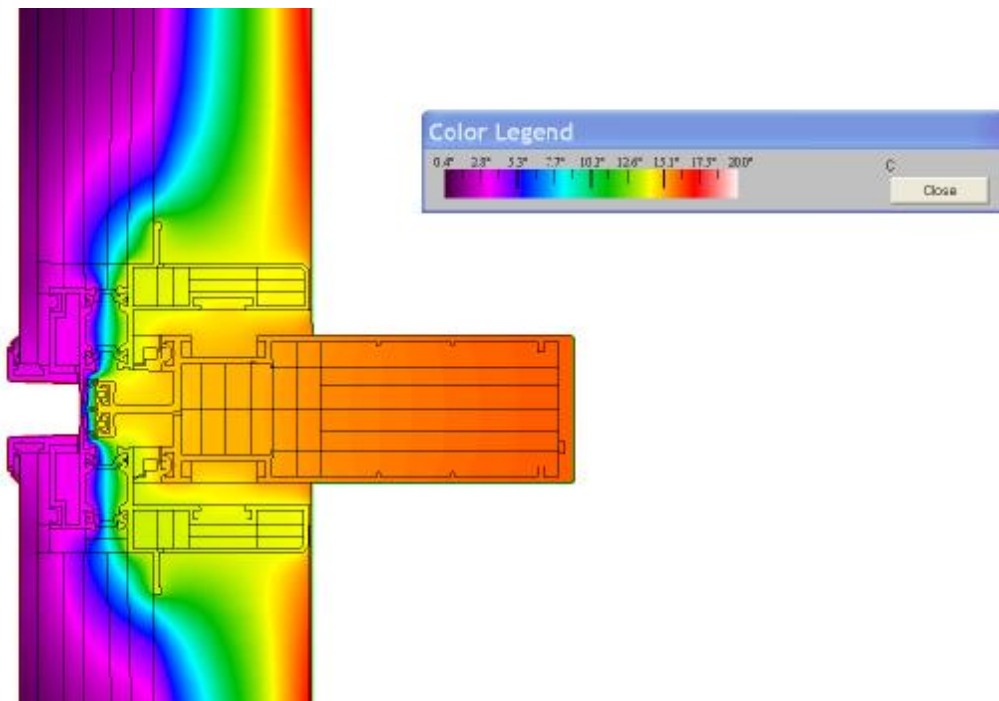
Temperaturni dijagram za A



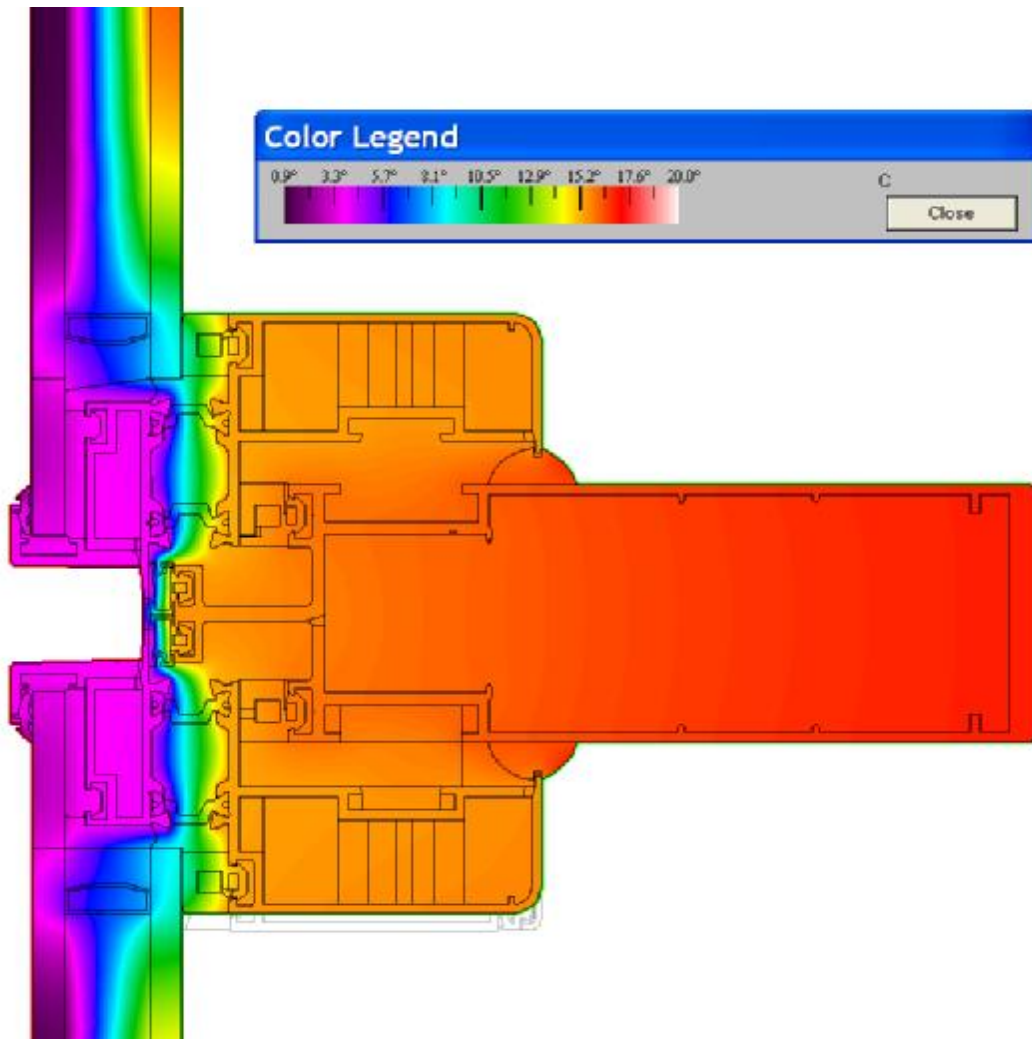
Temperaturni dijagram za C

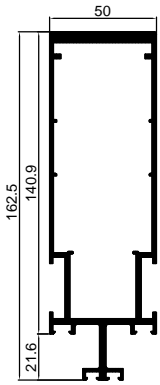


Temperaturni dijagram za E (parapet)

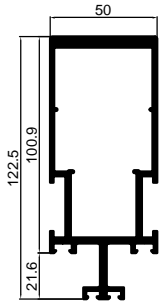


Temperaturni dijagram za F (fiksno)

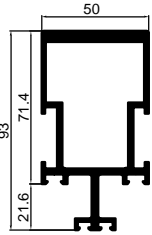




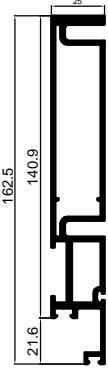
SB-003/50
T: kg/ml 3,1



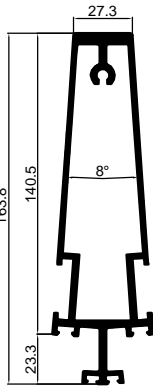
SB-002/50
T: kg/ml 2,62



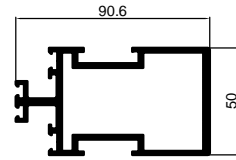
SB-001/50
T: kg/ml 2,28



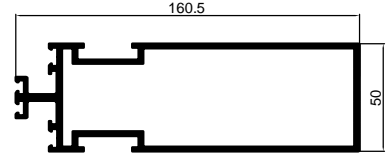
SB-004/25
T: kg/ml 2,44



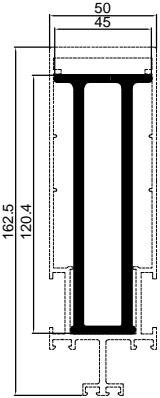
SB-003/50-S4
T: kg/ml 2,95



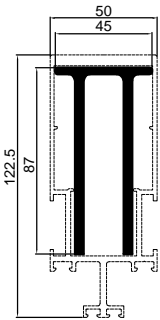
SB-011/50
T: kg/ml 1,99



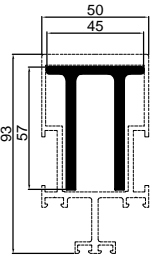
SB-012/50
T: kg/ml 2,67



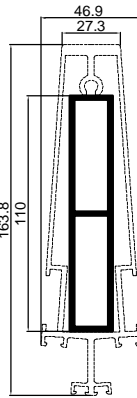
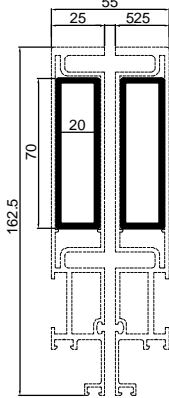
SB-061/M
T: kg/ml 3,1



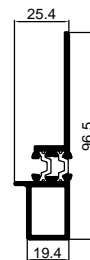
SB 061/M-87



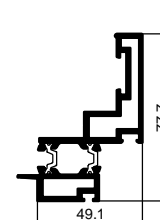
SB-061/M-57



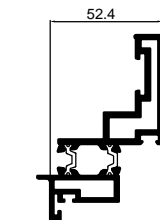
F-0062
T: kg/ml 1,44



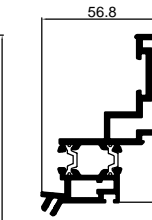
FT-0123
T: kg/ml 0,96



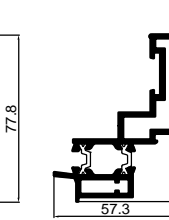
SB-022/021
T: kg/ml 1,62



SB-022/026
T: kg/ml 1,79



FT-0140
T: kg/ml 1,68



SB-022/027
T: kg/ml 1,60



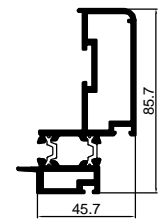
SB-031/6
T: kg/ml 0,24



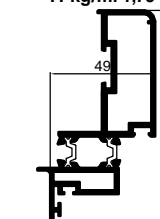
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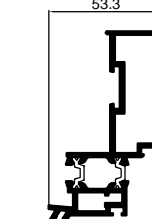
F-0850
T: kg/ml 0,257



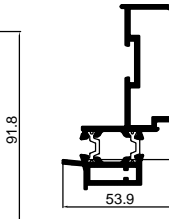
SB-023/021
T: kg/ml 1,66



SB-023/026
T: kg/ml 1,84



FT-0139
T: kg/ml 1,7



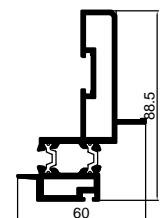
SB-023/027
T: kg/ml 1,62



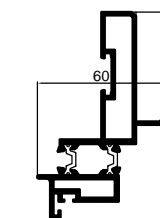
F-0810
T: kg/ml 0,22



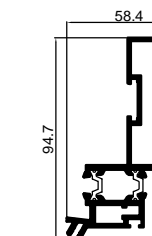
F-0860
T: kg/ml 0,287



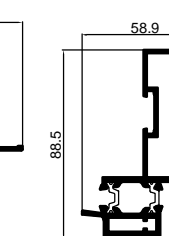
FT-0143
T: kg/ml 1,5



FT-0144
T: kg/ml 1,68



FT-0138
T: kg/ml 1,56



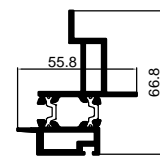
FT-0147
T: kg/ml 1,47



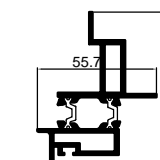
SB-025
T: kg/ml 0,245



SB-051/K
T: kg/ml 0,34

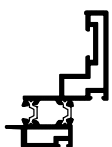
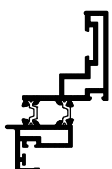
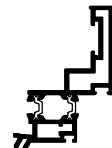
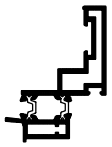
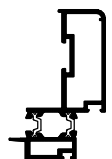
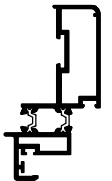
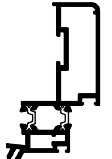
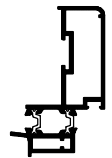


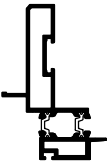
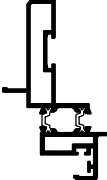
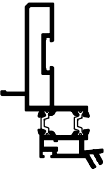
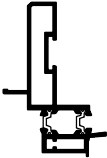
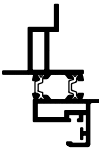
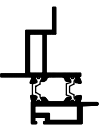

SB-024/021
T: kg/ml 1,32










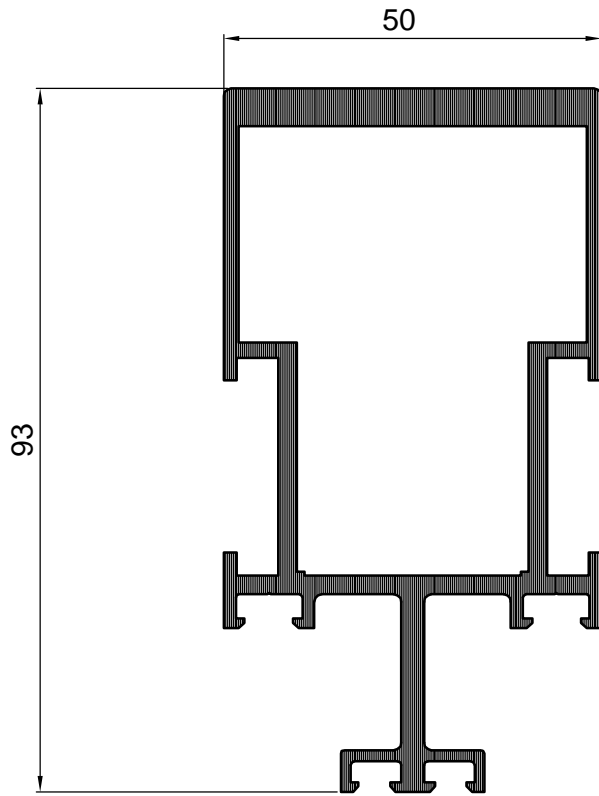
SB-024/026
T: kg/ml 1,52

Oznaka	Izgled-presjek	Težina /kg/ml/	Opseg /mm/	$\frac{I_x}{I_y}$	$\frac{W_x}{W_y}$	$\frac{I_x^4}{I_y^3}$	$\frac{W_x^3}{W_y}$
SB-001/50		2.28	428.8	77,8	14,4		
				22,65	9,1		
SB-002/50		2.61	487.8	164	24,2		
				29,7	11,9		
SB-003/50		3.09	567.73	354,7	40,6		
				39,7	15,9		
SB-003/50-S4		2.95	545.4	319	37,7		
				19,6	8,4		
SB-004/25		2.442	531.04	219.3	25,1		
				8,1	6,3		
SB-061 M		3.1	331	178,1	28,3		
				14,8	6,6		
SB-011/50		1.99	425.23	21,9	8,8		
				66,5	14,1		
SB-012/50		2.688	570	37,6	15		
				285,8	33,9		
SB-051/K		0.34	104.95				

Oznaka	Izgled-presjek	Težina /kg/ml/	Opseg /mm/	I_x /cm ⁴ /	W_x /cm ³ /
SB-022/021		1,62	333.40		
SB-022/026		1,79	410.36		
FT-0140		1,682	364.00		
SB-022/027		1,6	319.50		
SB-023/021		1,66	342.80		
SB-023/026		1,84	418.30		
FT-0139		1,707	374.30		
SB-023/027		1,62	328.40		

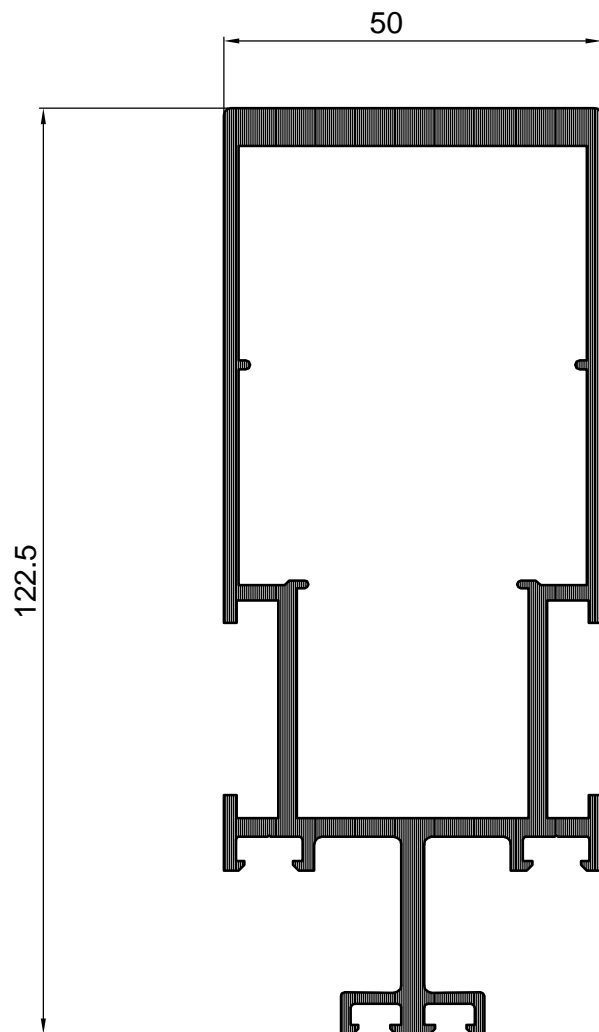
Oznaka	Izgled-presjek	Težina /kg/ml/	Opseg /mm/	I_x /cm ⁴ /	W_x /cm ³ /
FT-0143		1,5	345.30		
FT-0144		1,68	418.09		
FT-0138		1,557	375.18		
FT-0147		1,472	330.60		
SB-024/026		1,52	360.6		
SB-024/021		1,32	286.00		
FT-0123		0,961	256.43		

Oznaka	Izgled-presjek	Težina /kg/ml/	Opseg /mm/	I_x /cm ⁴ /	W_x /cm ³ /
SB-025		0,245	128		
SB-051/K		0,34	105		
SB-031/6		0,24	82		
SB-031/8		0,266	90		
F-0860		0,287	117		
F-0850		0,257	69		
F-0810		0,22	105		



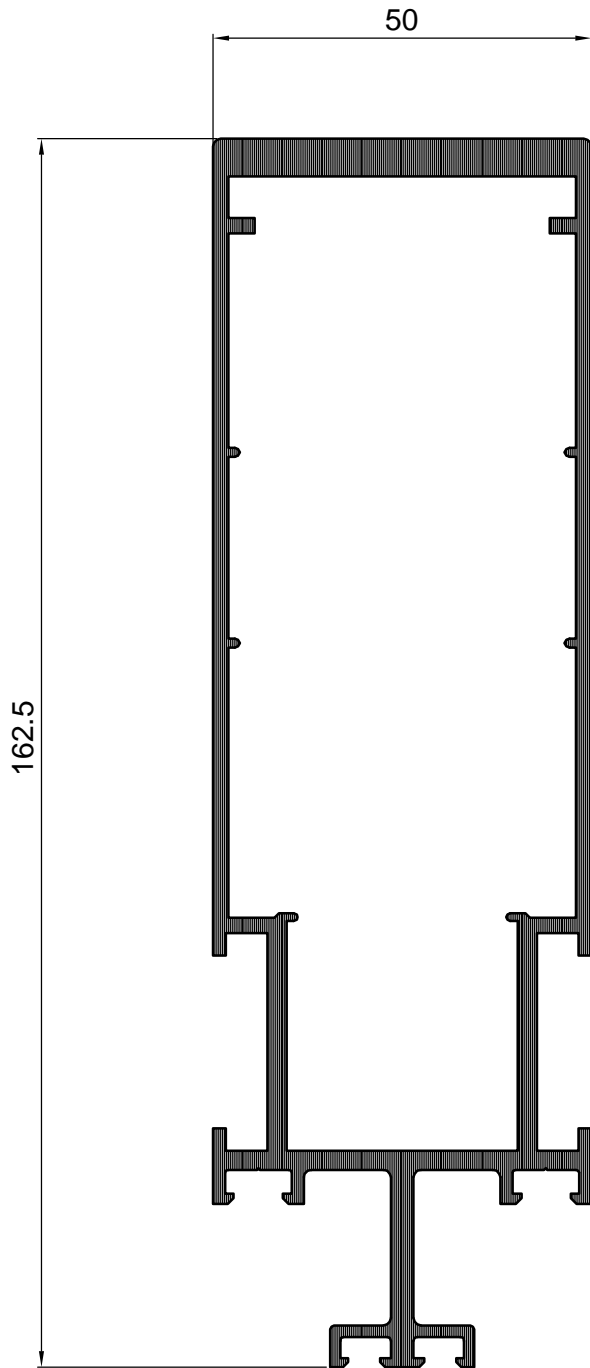
SB-001/50

P	846	mm ²
T	2,284	kg/m ¹
I _x	77,8	cm ⁴
I _y	22,65	cm ⁴
W _x	14,37	cm ³
W _y	9,06	cm ³



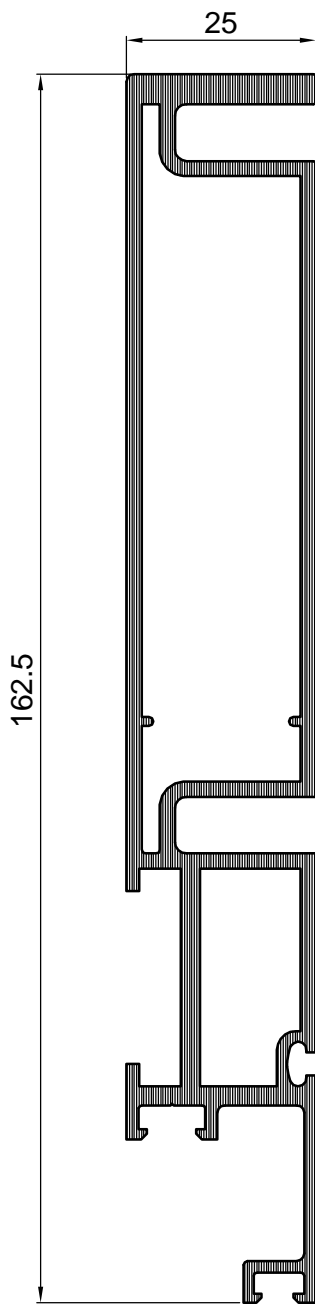
SB-002/50

P	970,5	mm ²
T	2,62	kg/m ¹
I _x	164	cm ⁴
I _y	29,7	cm ⁴
W _x	24,2	cm ³
W _y	11,9	cm ³



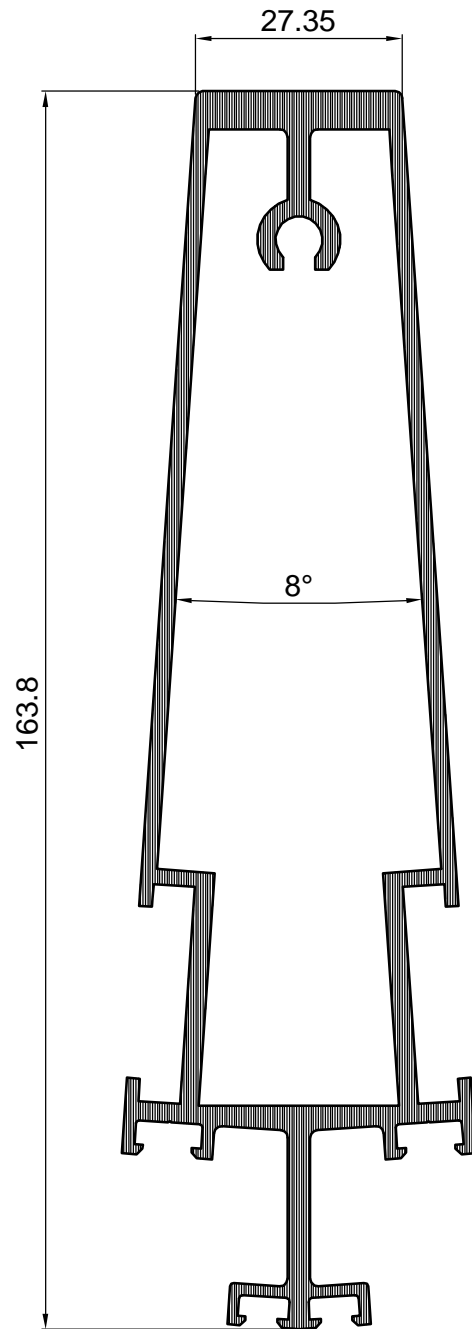
SB-003/50

P	1147,8	mm ²
T	3,1	kg/m
I _x	354,7	cm ⁴
I _y	39,7	cm ⁴
W _x	40,6	cm ³
W _y	15,9	cm ³



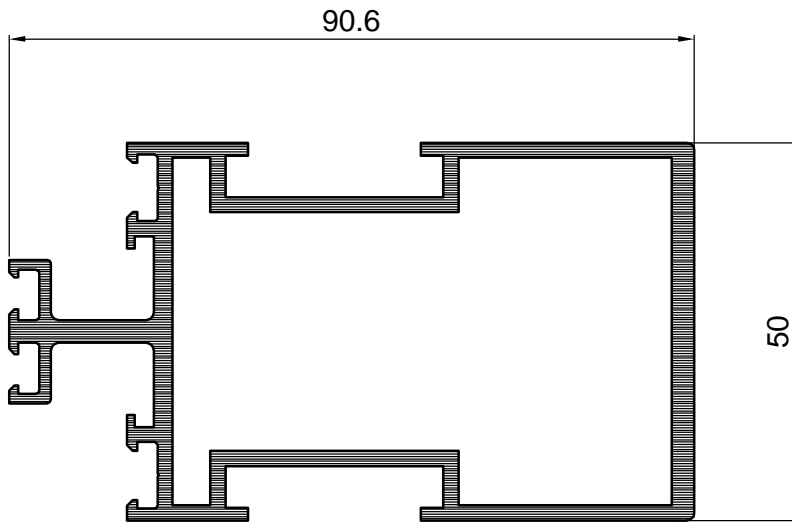
SB-004/25

P	904,34	mm ²
T	2,44	kg/m ¹
I _x	219,25	cm ⁴
I _y	8,1	cm ⁴
W _x	25,1	cm ³
W _y	6,3	cm ³



SB-003/50-S4

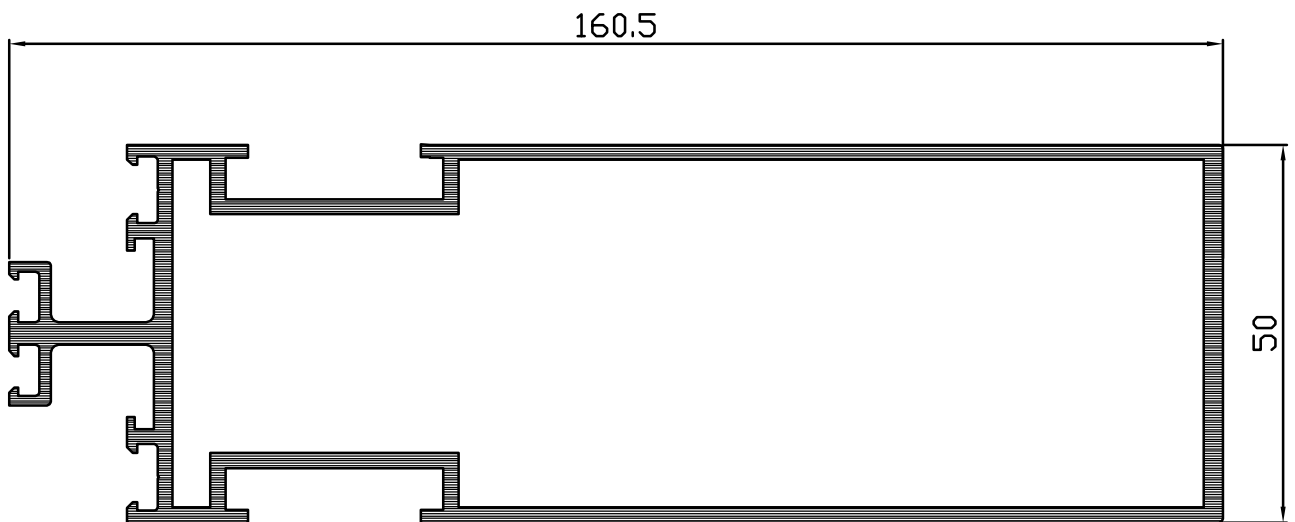
P	1092,7	mm ²
T	2,95	kg/m ¹
I _x	319	cm ⁴
I _y	19,55	cm ⁴
W _x	37,67	cm ³
W _y	8,34	cm ³



SB-011/50

P	738,63	mm ²
T	2	kg/m ¹
I _x	21,92	cm ⁴
I _y	66,46	cm ⁴
W _x	8,77	cm ³
W _y	14,13	cm ³

SB-011/50
težina: kg/ml 1.99

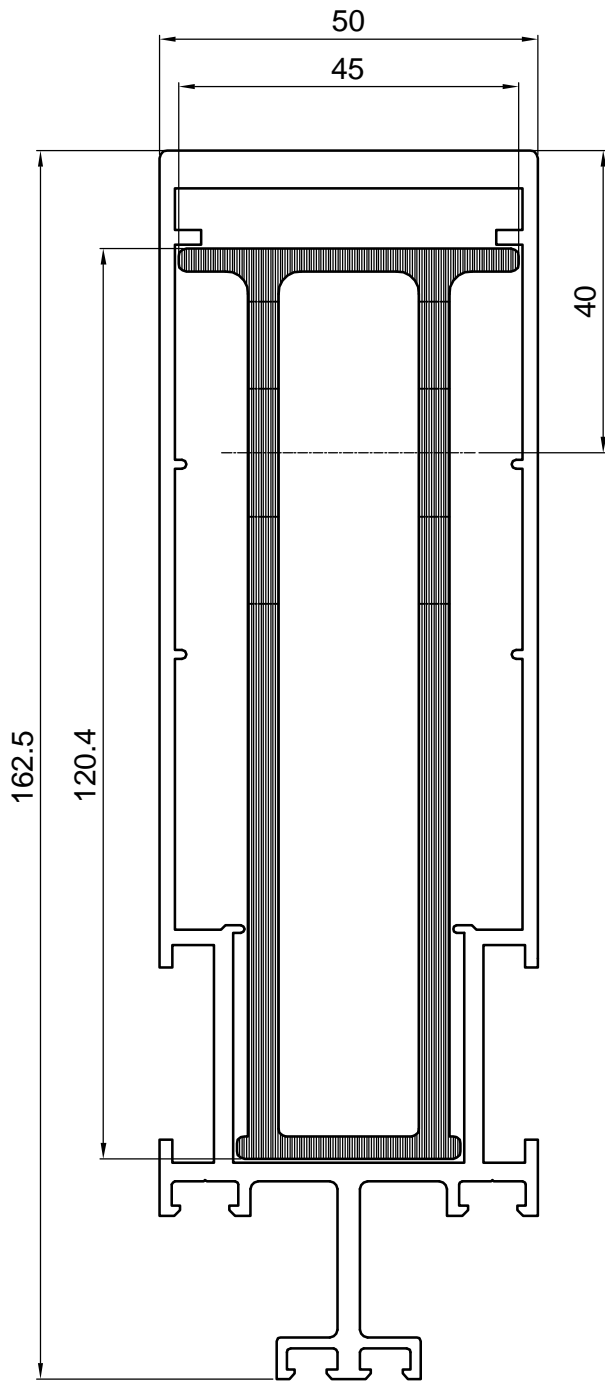


SB-012/50
težina: kg/ml 2.688

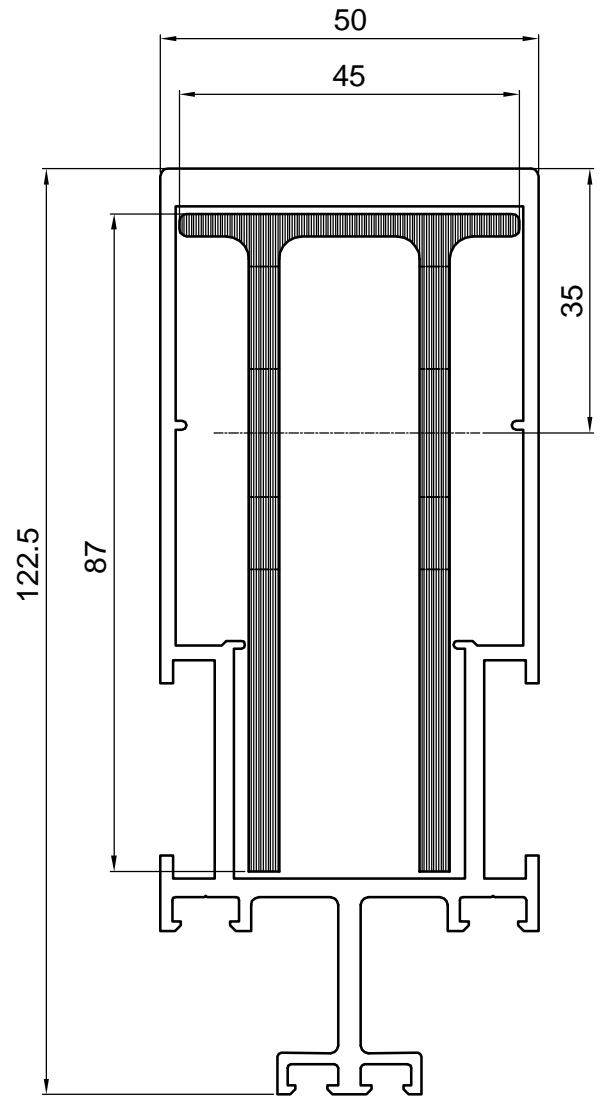
SB-012/50

P	995,67	mm ²
T	2,688	kg/m ¹
I _x	37,65	cm ⁴
I _y	285,77	cm ⁴
W _x	15	cm ³
W _y	33,9	cm ³

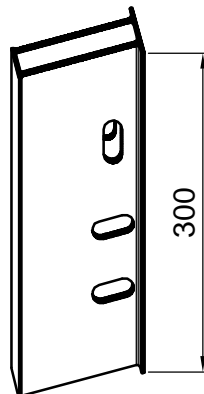
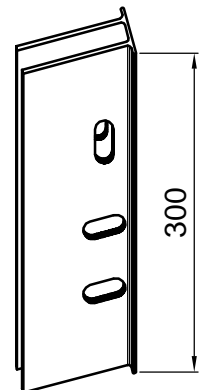
SPOJNICA OKOMICE SB-061/M



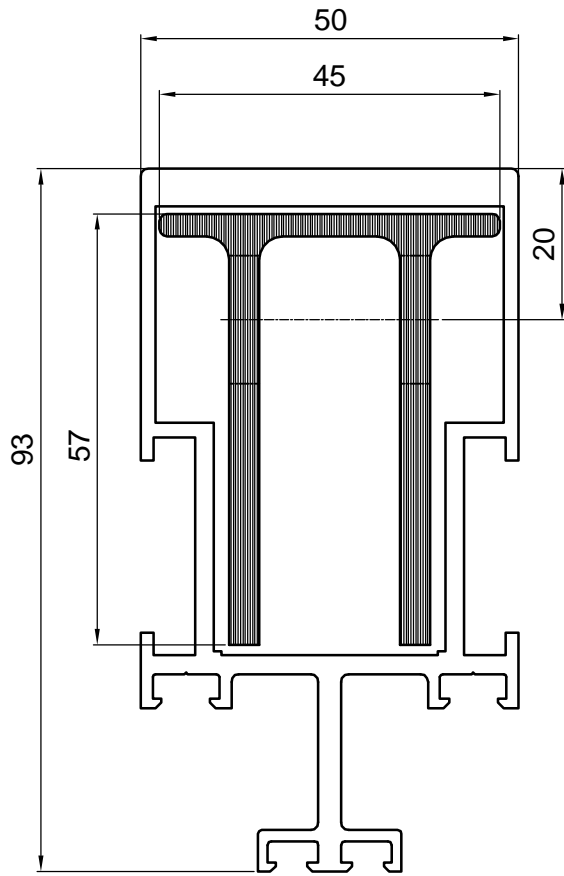
SPOJNICA OKOMICE SB-061/M-87


SB-061/M

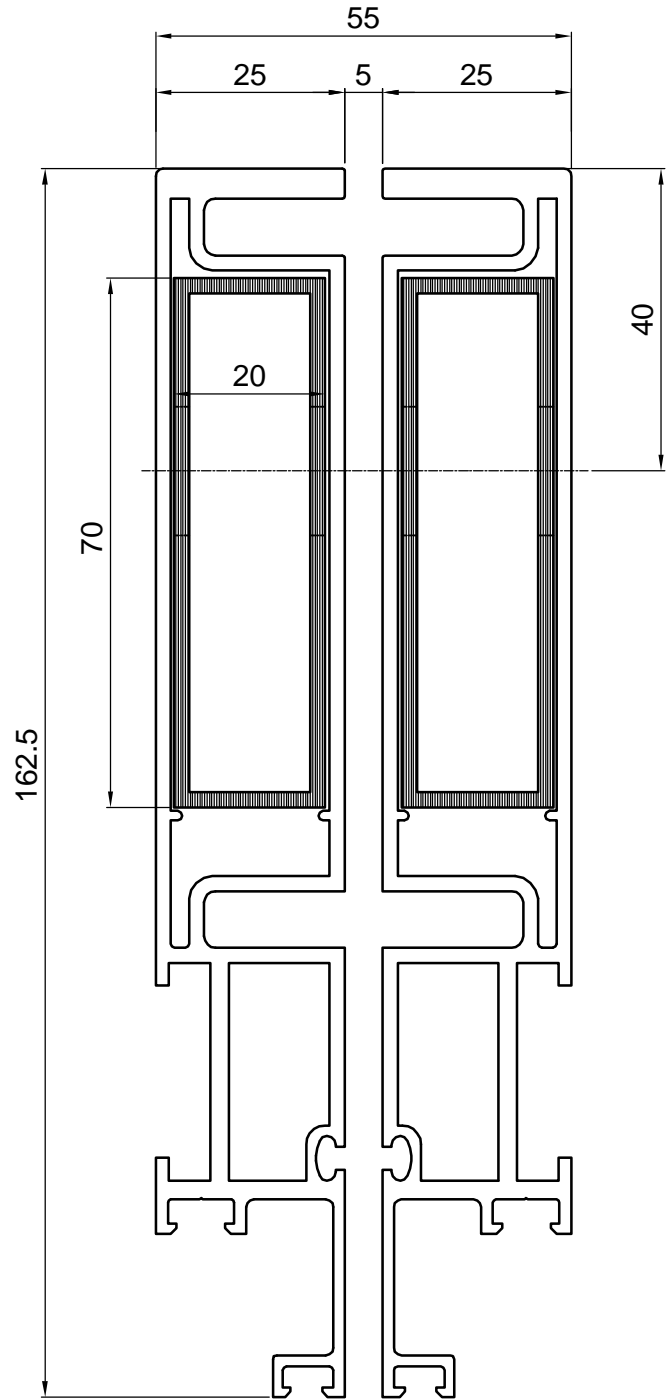
P	1145,5	mm ²
T	3,1	kg/m ¹
I _x	178,1	cm ⁴
I _y	14,8	cm ⁴
W _x	28,3	cm ³
W _y	6,6	cm ³


SB-061/M-87


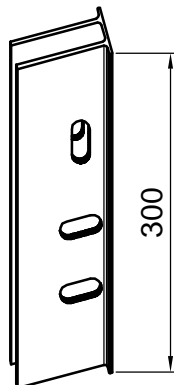
SPOJNICA OKOMICE SB-061/M-57



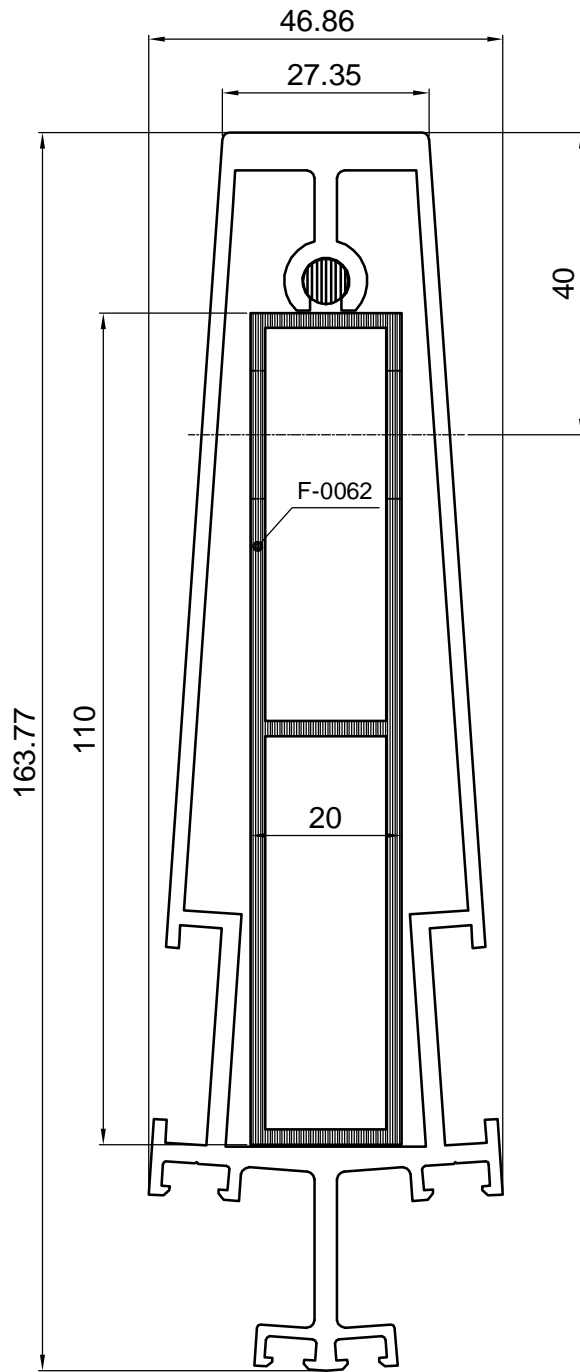
SPOJNICA OKOMICE 70x20x2,5

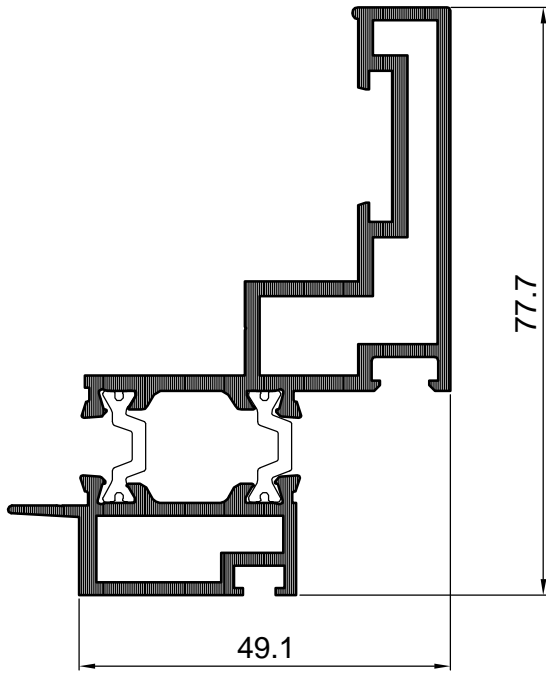


SB-061/M-57

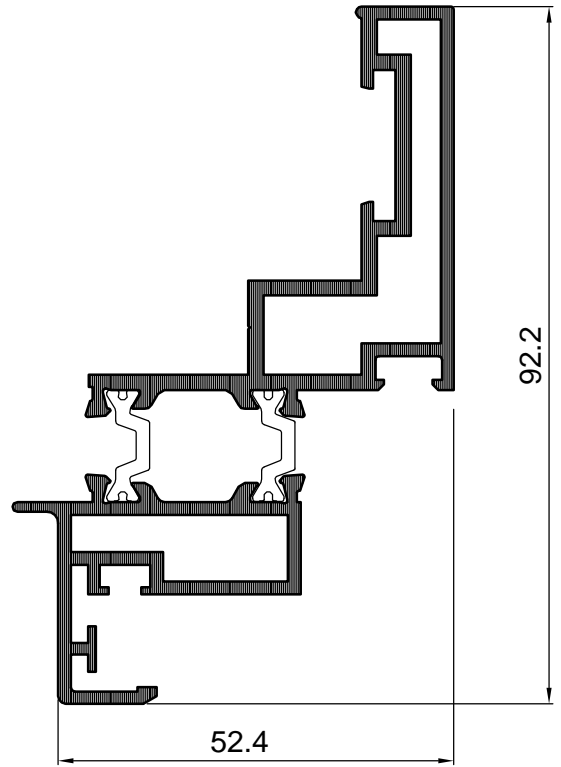


SPOJNICA OKOMICE F-0062

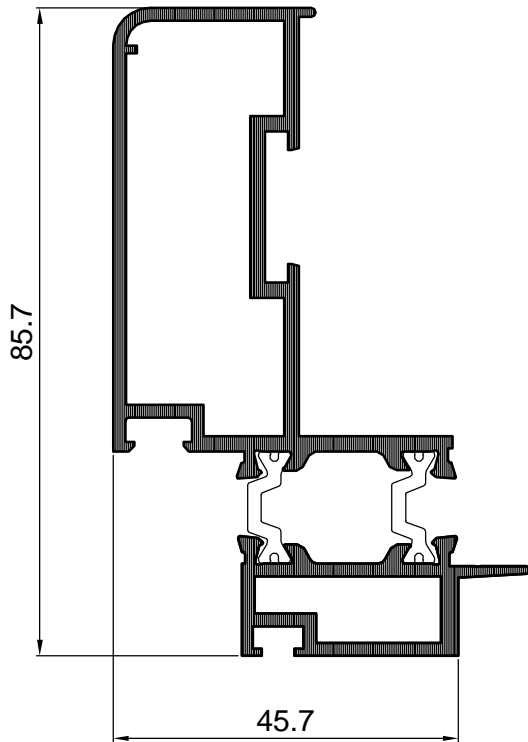




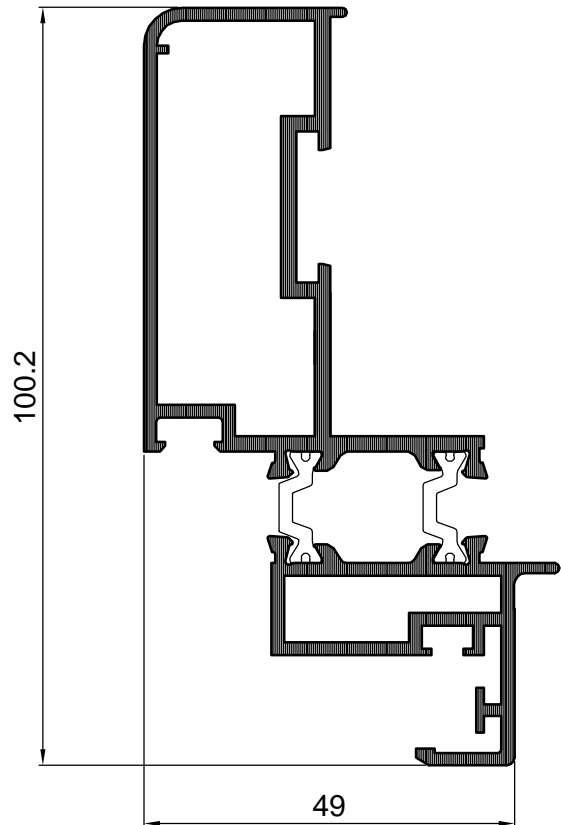
SB-022/021
težina: kg/ml 1,62



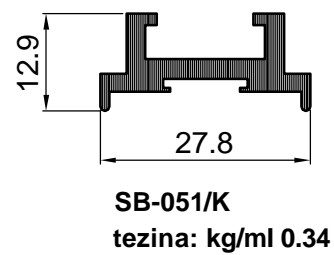
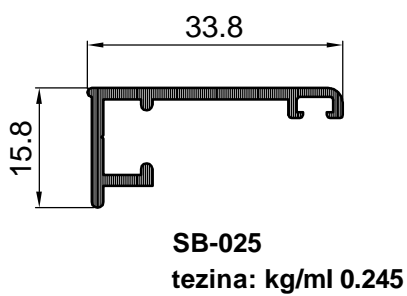
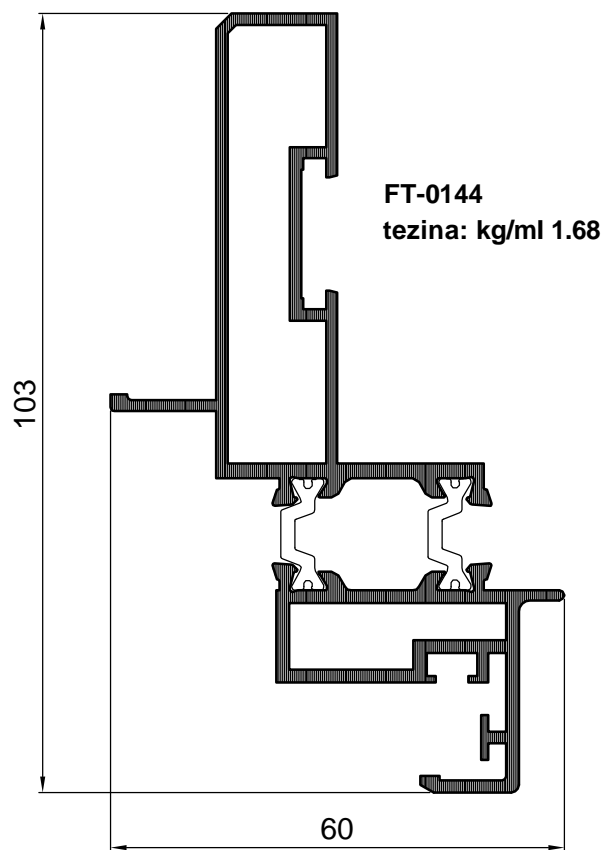
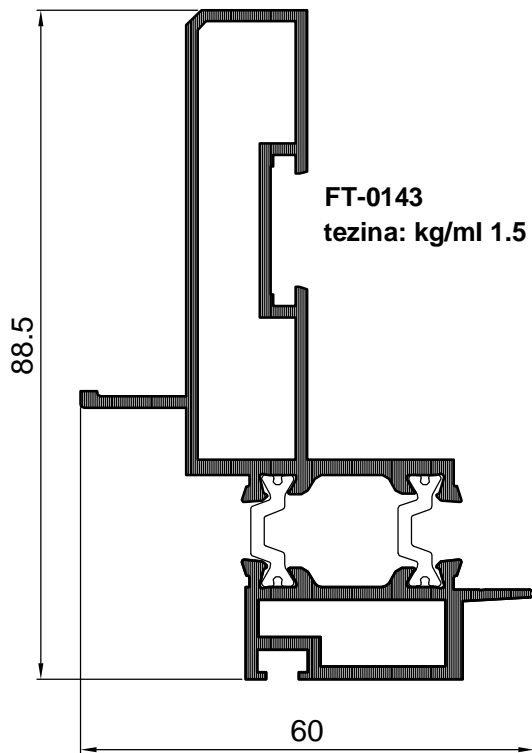
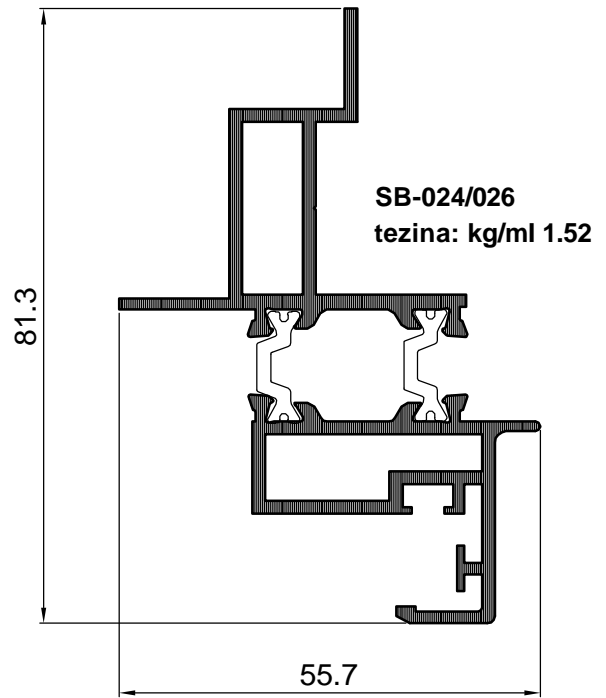
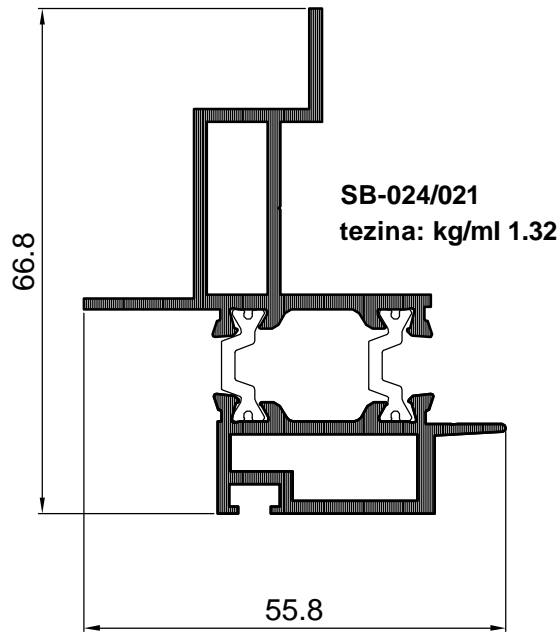
SB-022/026
težina: kg/ml 1,79

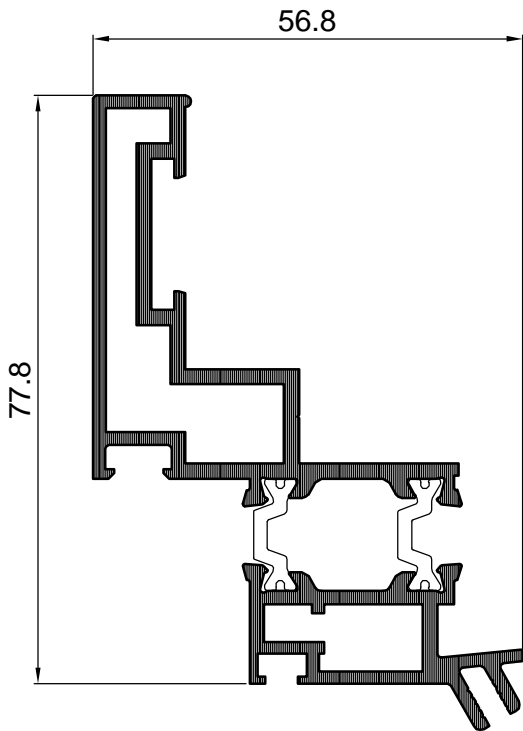


SB-023/021
težina: kg/ml 1.66

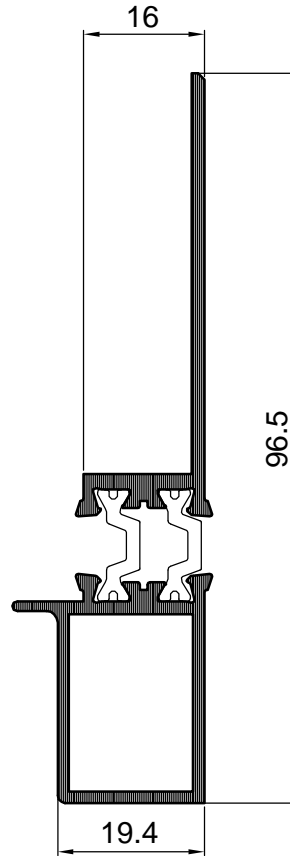


SB-023/026
težina: kg/ml 1,84

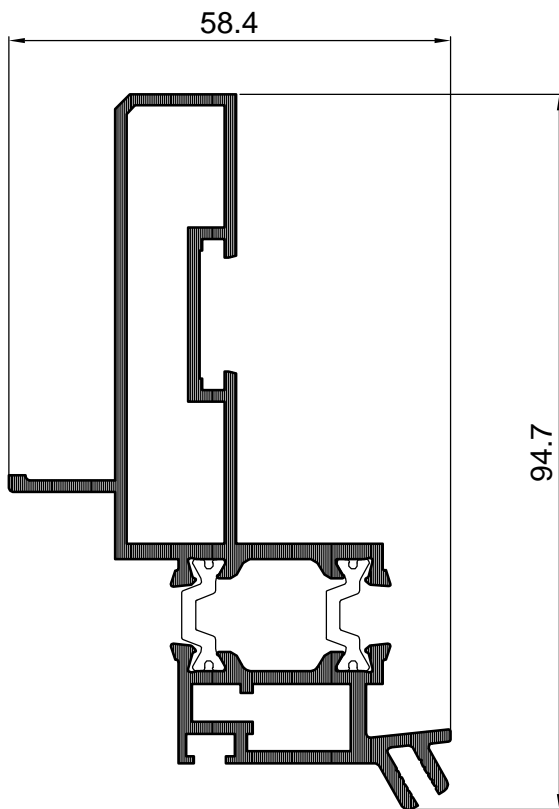




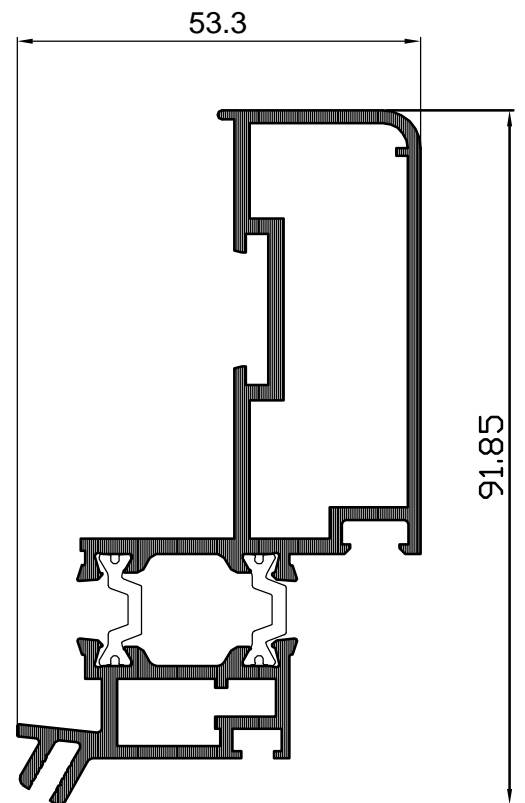
FT-0140
težina: kg/ml 1.682



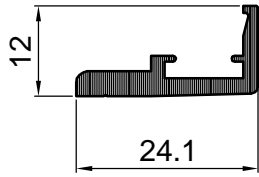
FT-0123
težina: kg/ml 0.961



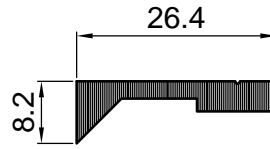
FT-0138
težina: kg/ml 1.557



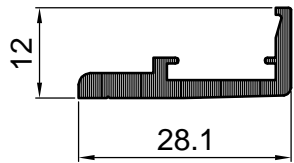
FT-0139
težina: kg/ml 1.707



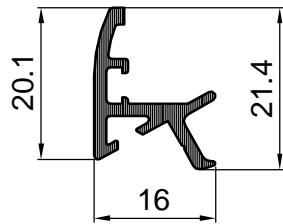
SB-031/6
težina: kg/ml 0.24



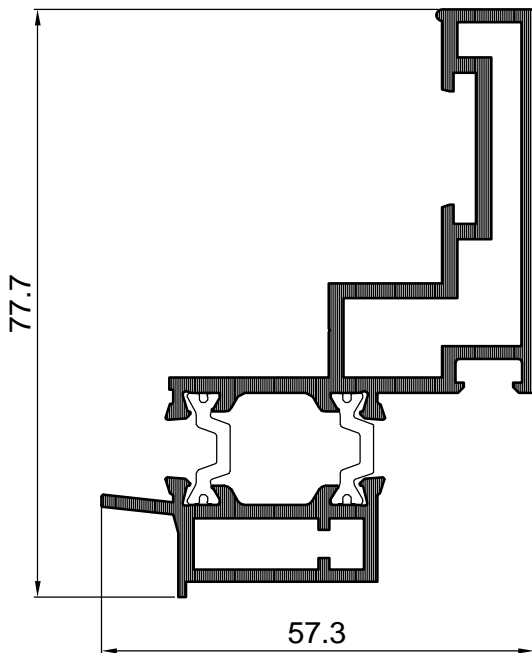
F-0850
težina: kg/ml 0,257



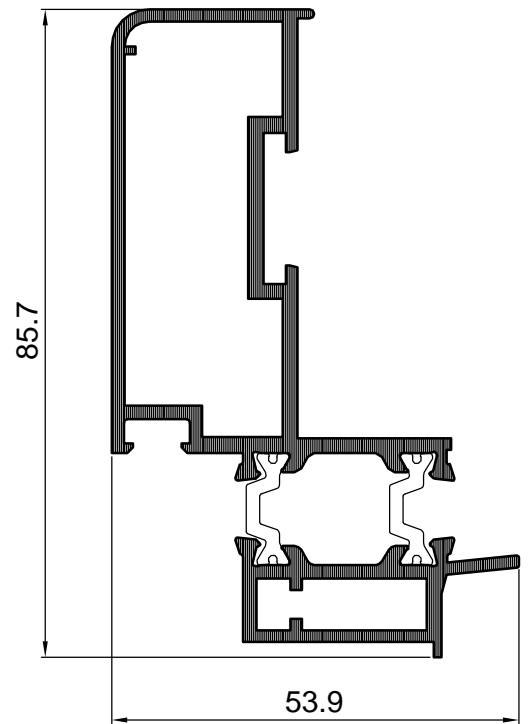
SB-031/8
težina: kg/ml 0.266



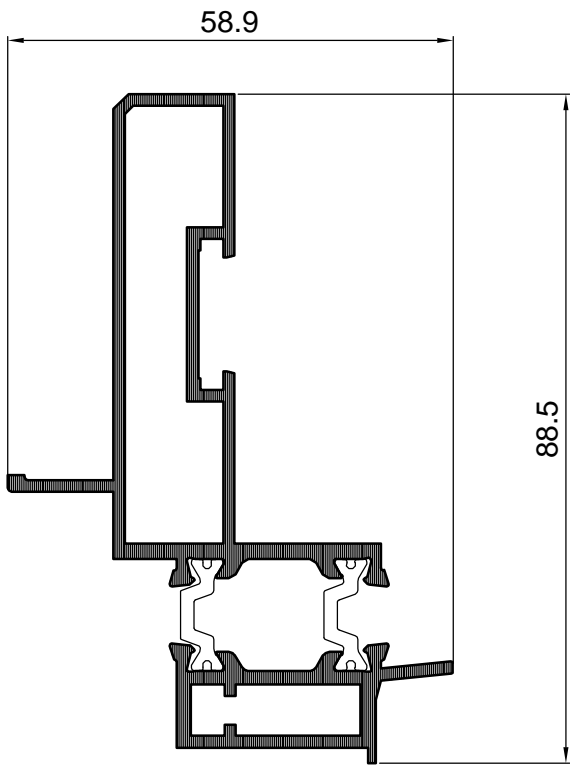
F-0810
težina: kg/ml 0.22



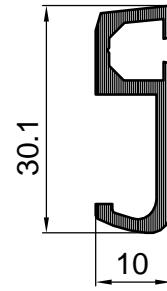
SB 022/027
težina: kg/ml 1,60



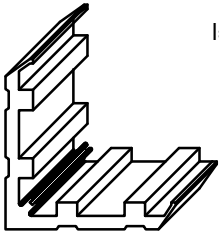
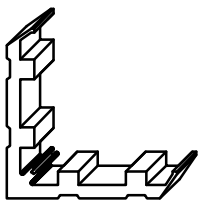
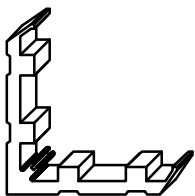

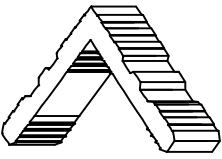

SB 023/027
težina: kg/ml 1,62


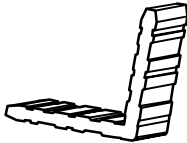


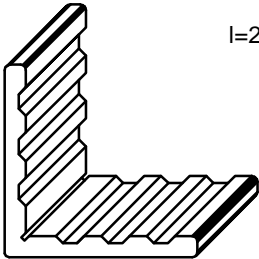



FT-0147
tezina: kg/ml 1,472

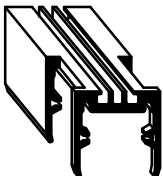
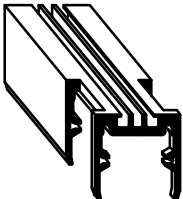
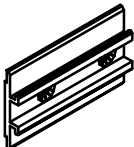
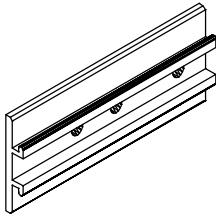
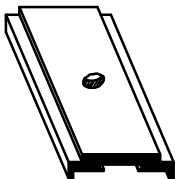
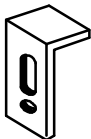


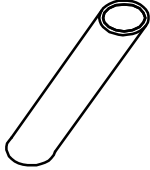
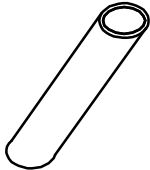
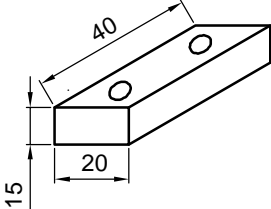
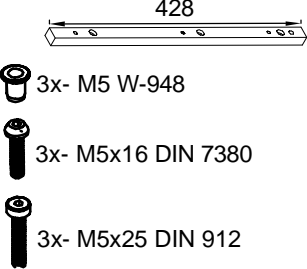
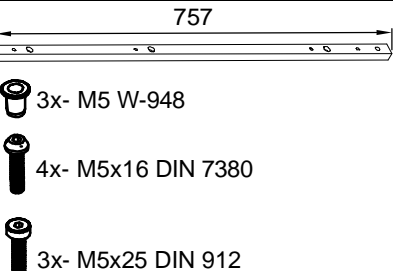
F-0860
tezina: kg/ml 0.287

CODE	Izgled-presjek	Opis	Materijal	Nap.
725.012	 <p style="text-align: right;">l=46 mm</p>	- Kutna spojnica za komoru 16,4x46,5 - Stara oznaka K-SP-01	Al.	
725.013	 <p style="text-align: right;">l=8,3mm</p>	- Kutna spojnica za komoru 16,5x8,8 - Stara oznaka K-SP-02	Al.	
725.014	 <p style="text-align: right;">l=6,6mm</p>	- Kutna spojnica za komoru 16,5x6,8 - Stara oznaka K-SP-11	Al.	
725.107	 <p style="text-align: right;">l=18,3mm</p>	- Kutna spojnica za komoru 18,8x13 - Stara oznaka K-SP-09	Al.	
725.108	 <p style="text-align: right;">l=14,5mm</p>	- Kutna spojnica za komoru 15x13 - Stara oznaka K-SP-10	Al.	
725.109	 <p style="text-align: right;">l=10mm</p>	- Kutna spojnica za komoru 10,5x13 - Stara oznaka K-SP-03	Al.	

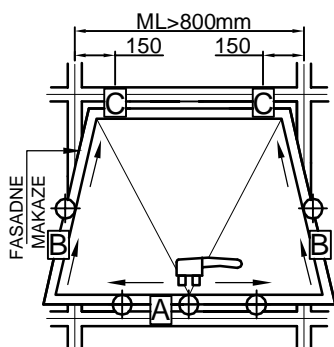
CODE	Izgled-presjek	Opis	Materijal	Nap.
725.110	 <p style="text-align: right;">l=8,6mm</p>	- Kutna spojnica za komoru 8,9x13 - Stara oznaka K-SP-08	Al.	
725.203	 <p style="text-align: right;">l=4,3mm</p>	- Kutna spojnica za komoru 8,5x4,7 - Stara oznaka K-SP-04	Al.	
725.302	 <p style="text-align: right;">l=14mm</p>	- Kutna spojnica za komoru 14,4x2,2 - Stara oznaka K-SP-12	Al.	
725.303	 <p style="text-align: right;">l=10mm</p>	- Kutna spojnica za komoru 10,4x2,2 - Stara oznaka K-SP-06	Al.	
725.402	 <p style="text-align: right;">l=22,3mm</p>	- Kutna spojnica za komoru 7,8x22,8 - Stara oznaka K-SP-07	Al.	
725.601	 <p style="text-align: right;">l=9,5mm</p>	- Kutna spojnica za komoru 10x5 - Stara oznaka K-SP-05	Al.	

CODE	Izgled-presjek	Opis	Materijal	Nap.
730.001		<ul style="list-style-type: none"> - Kutna spojnica za komoru 1.7x4.7 - Stara oznaka 210001186,(g 112 gs 0365 kutnik pomoćni), (0365 /G112/) 	Inox	
730.001		<ul style="list-style-type: none"> - Kutna spojnica za komoru 1.7x4.7 - Stara oznaka 210001187,(g 112/a pomoćni kutnik), (G112/A) 	Inox	
724.009		<ul style="list-style-type: none"> - Umetak za dodatno zaklju čavanje gornje vodoravnice otvaraju čeg krila - 50PS - Stara oznaka - KPS-001 	Al.	
724.010		<ul style="list-style-type: none"> - Umetak za dodatno zaklju čavanje gornje vodoravnice otvaraju čeg krila - 50PS - Stara oznaka - KPS-002 	Al.	
385.007		<ul style="list-style-type: none"> - Bravica za zaklju čavanje fiksnih staklenih otvora na fasadi 6-8 kom. / otvoru - Stara oznaka BS-P-11 	ZAMAK	
724.011		<ul style="list-style-type: none"> - Podmetač fiksnog otvora 60 mm - Stara oznaka - P-SP-21 	Al.	

CODE	Izgled-presjek	Opis	Materijal	Nap.
721.301		- Klizač za vodoravnicu l=65,5 mm - Stara oznaka KV-1- 50	Al.	
721.302		- Klizač za vodoravnicu l=134,5 mm - Stara oznaka KV-2- 50	Al.	
720.001		- Klizač za vodoravnicu l=59 mm - Stara oznaka KO-1-60	Al.	
720.301		- Klizač za vodoravnicu l=129 mm - Stara oznaka KO-2-50	Al.	
724.012		- Al. distancer klizača okomice - Stara oznaka - KO-1-50	Al.	
724.013		- Držać makaza u okomici L=22mm - Stara oznaka - D.M-1	Al.	

CODE	Izgled-presjek	Opis	Materijal	Nap.
521.019		- Distancer za čelični kutnik koji drži profil - Stara oznaka Distancer L=63 mm Ø 16/13	Inox	
521.020		- Distancer za čelični kutnik koji drži profil - Stara oznaka Distancer L=73 mm Ø 16/13	Inox	
724.014		- Umetak za dodatno zaključavanje na okomici - Stara oznaka - UDZ-40	Al.	
724.015	 <p>3x- M5 W-948 3x- M5x16 DIN 7380 3x- M5x25 DIN 912</p>	- Podmetač za makazu Notter 400 R - Stara oznaka - DPF-400	Al.	
724.016	 <p>3x- M5 W-948 4x- M5x16 DIN 7380 3x- M5x25 DIN 912</p>	- Podmetač za makazu Notter 600 R - Stara oznaka - DPF-600	Al.	

Okov fasadnog ventusa
sa mogućnošću zaključavanja u više točaka- EUGEN NOTTER



***Zaključavanje stranice "A"**

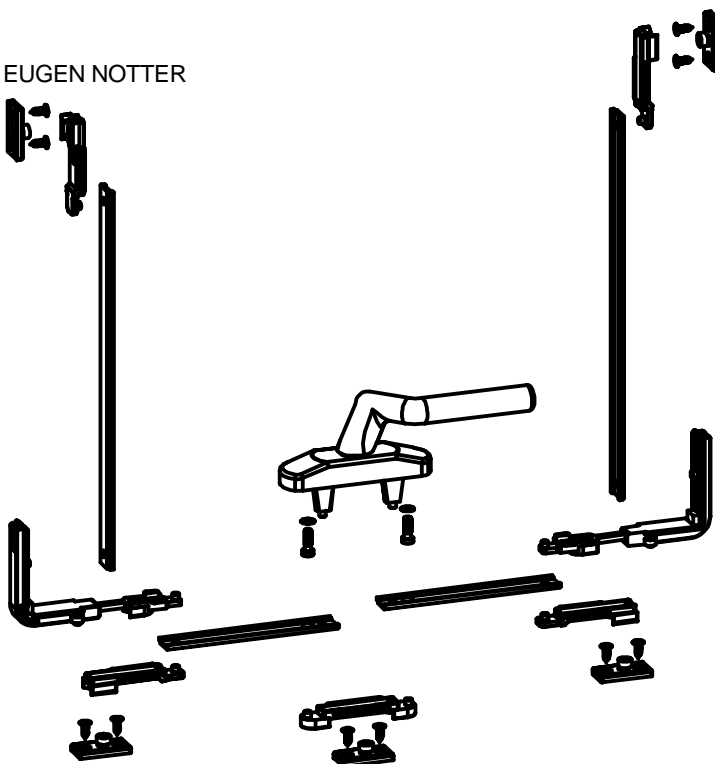
- 480 876 26 kom:1
- 430 879 05 kom:1-(jedno zaključ.)
- 430 877 05 set:1-(tri zaključava.)

***Zaključavanje stranice "A"+"B"**

- 480 876 26 kom:1
- 430 879 05 kom:1
- 430 877 05 set:1-(pet zaključava.)
- 430 878 05 set:1

***Zaključavanje stranice "C"**

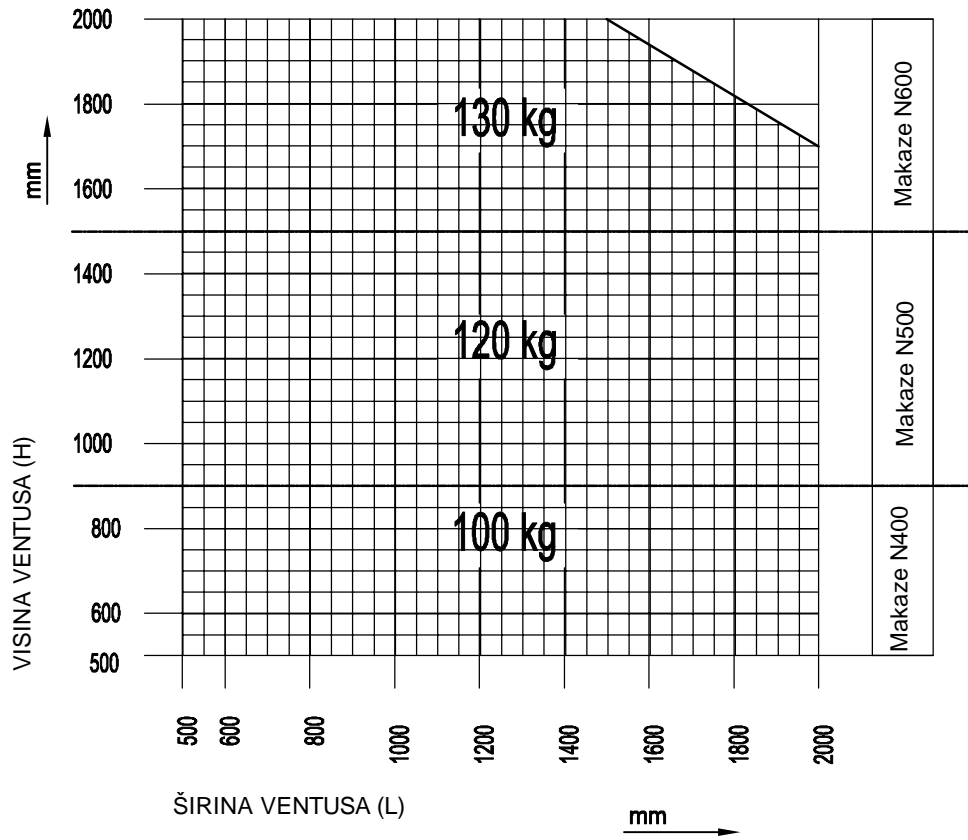
- 727.009 / 724.010 1par



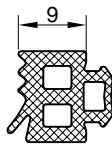
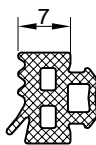
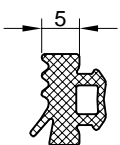
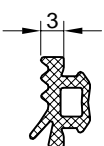
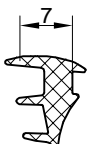
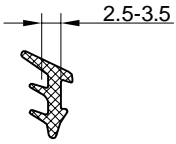
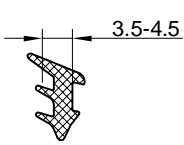
CODE	Kod proizvođača	Pozicija	Izgled pozicije	Opis
133.003	430 877 05	1		-Bazni mehanizam
133.004	430 878 05	2		-Bočno ključanje za visinu iznad 800 mm
133.005	430 879 05	3		-Dodatno ključanje za širinu iznad 1300 mm
101.000.01 101.000.02 101.000.03 101.000.04	480 876 21 480 876 23 480 876 25 480 876 26	4		-Ručica Elox So 21 RAL9016 23 RAL9005 25 RAL9006 26


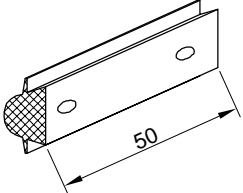


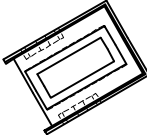
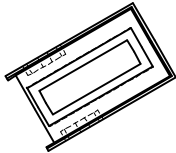
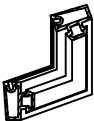
CODE	Kod proizvođača	Makaze fasadnog ventusa	Opis	Materijal	Proizvođač
133.000	030 956 00		visina 1500-2000mm širina <1750mm težina <120 kg kut otvaranja - 15°	Inox	E. Notter
133.001	030 955 00		visina 1100-1600mm širina <1750mm težina <105 kg kut otvaranja - 19°	Inox	E. Notter
133.002	030 954 00		visina 500-1200mm širina <1750mm težina <80 kg kut otvaranja - 25°	Inox	E. Notter

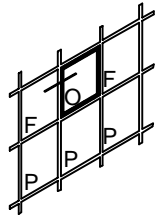
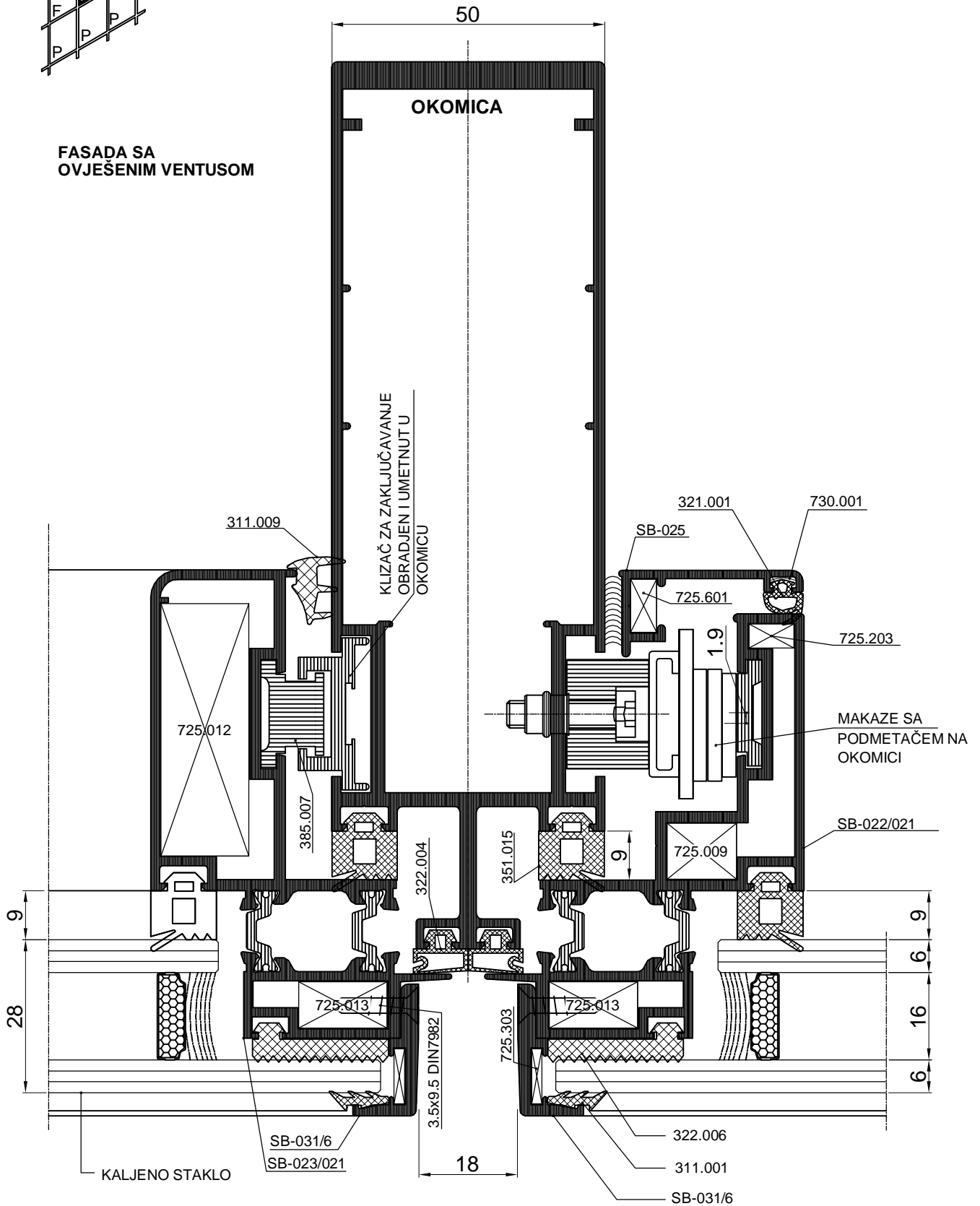
Dijagram nosivosti makaza Eugen Notter



CODE	Izgled-presjek	Opis	Materijal	Tvrdoća (ShA)
322.004		<ul style="list-style-type: none"> - Brtva prema staklu-vanjska. Nosi 4.5 mm. - Stara oznaka AT 1304 	EPDM	71
322.005		<ul style="list-style-type: none"> - Brtva prema staklu-vanjska. Nosi 12 mm. - Stara oznaka 20-009 	EPDM	71
322.006		<ul style="list-style-type: none"> - Brtva prema staklu-vanjska. Nosi 4 mm. - Stara oznaka AT 1502 	EPDM	71
322.007		<ul style="list-style-type: none"> - Brtva vanjska - Stara oznaka 02675 	EPDM	71
322.008		<ul style="list-style-type: none"> - Brtva na dilataciji - Stara oznaka 02164 	EPDM	71
351.017		<ul style="list-style-type: none"> - Brtva prema staklu /unutarnja/ nosi 13mm - Stara oznaka 02892 	EPDM	71
351.016		<ul style="list-style-type: none"> - Brtva prema staklu /unutarnja/ nosi 11mm - Stara oznaka 02856 	EPDM	71

CODE	Izgled-presjek	Opis	Materijal	Tvrdoća (ShA)
351.015		- Brtva prema staklu /unutarnja/ nosi 9mm - Stara oznaka 02877	EPDM	71
351.014		- Brtva prema staklu /unutarnja/ nosi 7mm - Stara oznaka 1966	EPDM	71
351.013		- Brtva prema staklu /unutarnja/ nosi 5mm - Stara oznaka 02864	EPDM	71
351.011		- Brtva prema staklu /unutarnja/ nosi 3mm - Stara oznaka 02852	EPDM	71
311.009		- Brtva prema staklu /unutarnja/ nosi 7mm - Stara oznaka UP-7	EPDM	71
311.001		- Brtva prema staklu /unutarnja/ - Stara oznaka 210.001.125 (921)	EPDM	71
311.002		- Brtva prema staklu /unutarnja/ - Stara oznaka 210.001.123 (918)	EPDM	71

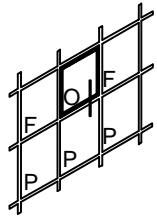
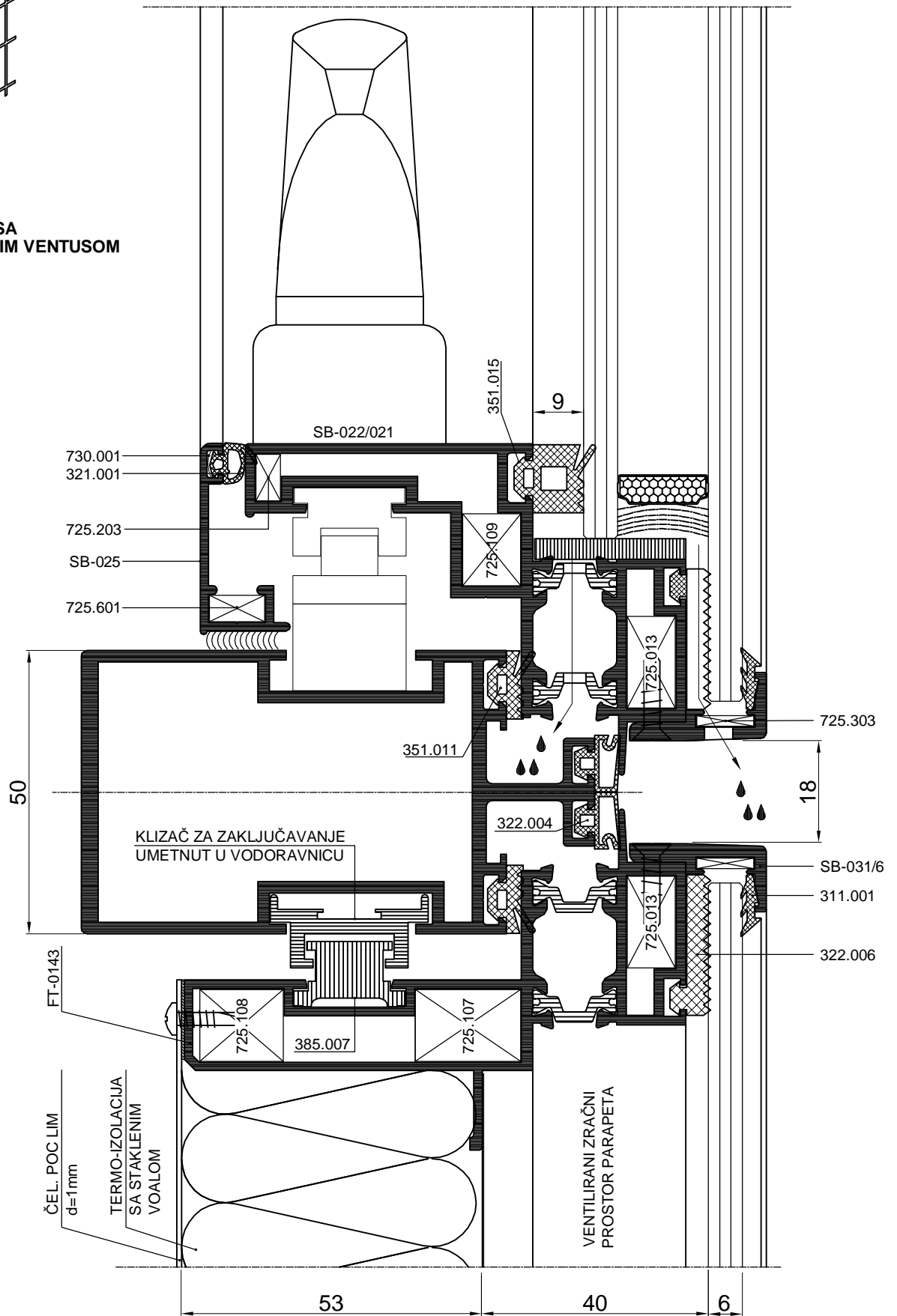
CODE	Izgled-presjek	Opis	Materijal	Tvrdoća (ShA)
321.001		<ul style="list-style-type: none"> - Brtva u krilu - Stara oznaka 210.001.090 (Z106) 	EPDM	61
355.001		<ul style="list-style-type: none"> - Brtva na okomici prema vodoravnici 50 mm - Stara oznaka 217 585 	EPDM	71
324.001		<ul style="list-style-type: none"> - Vanjska brtva fasade F-0860 - Stara oznaka 02-0860-4 	EPDM	71
344.021		<ul style="list-style-type: none"> - Brtva poluokomise i podmet. fiksnog otvora - Stara oznaka C-781 	EPDM	71
365.036		<ul style="list-style-type: none"> - Gumeni odstožnik vodoravnice SB-011/50 - Stara oznaka DG-2 	EPDM	71
365.037		<ul style="list-style-type: none"> - Gumeni odstožnik vodoravnice SB-012/50 - Stara oznaka DG-2A 	EPDM	71
365.038		<ul style="list-style-type: none"> - Vanjski kutnik brtve AT1304 - Stara oznaka K1304 	EPDM	71


**FASADA SA
OVJEŠENIM VENTUSOM**


****OSTAKLJENJE SA BRTVOM 322.006 SE KORISTI ZA PLOHE MANJE OD 1,8 m²**

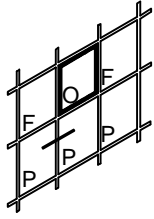
****VANJSKO STAKLO OBRUBLJENO MONTAŽNO-DEMONTAŽNOM LAJSNOM SB-031/6****

*****MAKAZE SA ZAKOVANIM KLIZAČEM NC-1459 I PODMETAČEM (20x15xL) ZA FIXIRANJE MAKAZA*****

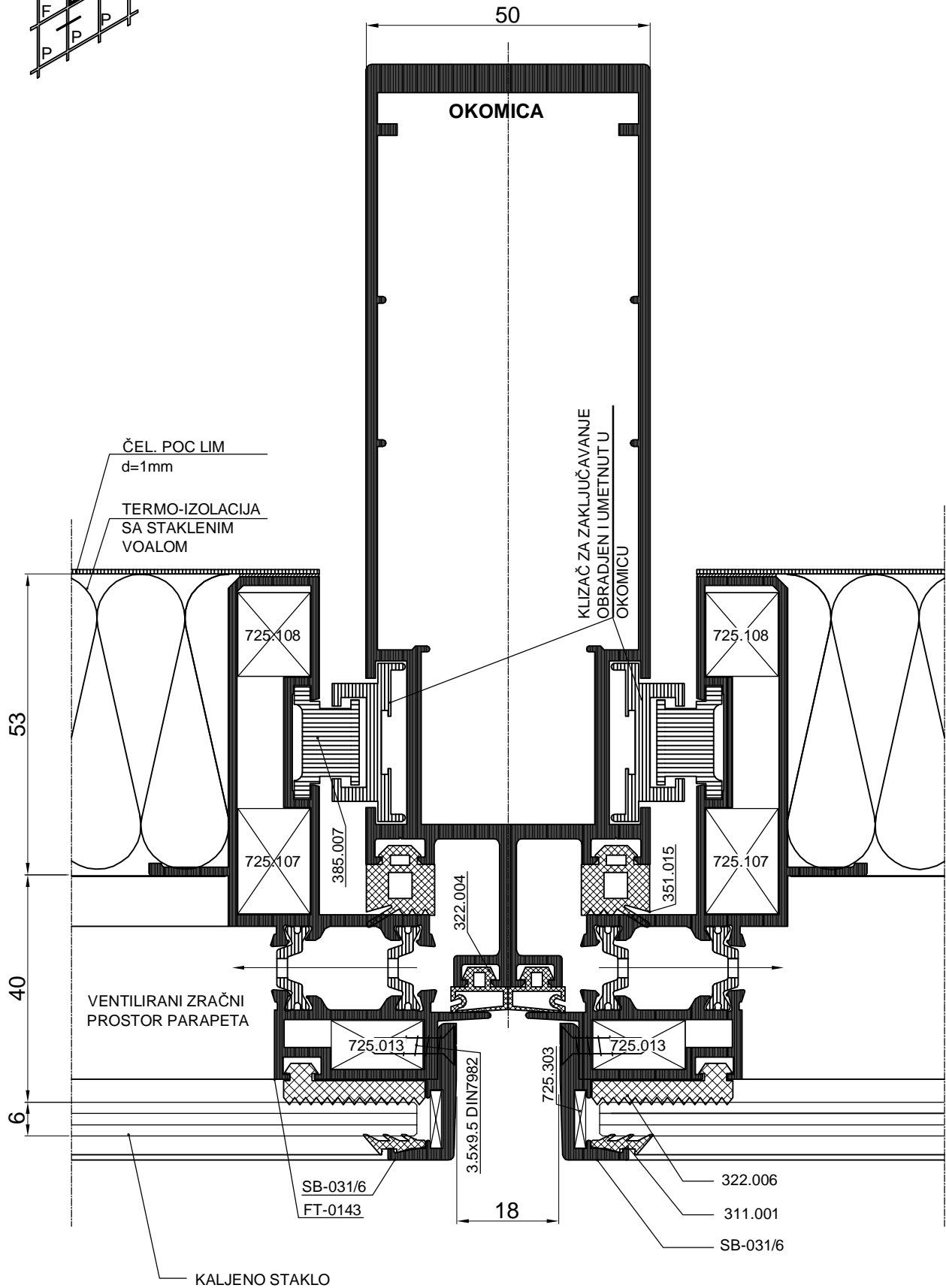

**FASADA SA
OVJEŠENIM VENTUSOM**


**OTVORI 4x25 ZA IZVOD MOGUĆIH KAPLJEVINA ²

**OSTAKLJENJE SA BRTVOM 322.006 SE KORISTI ZA PLOHE MANJE OD 1,8 m ²



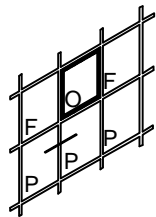
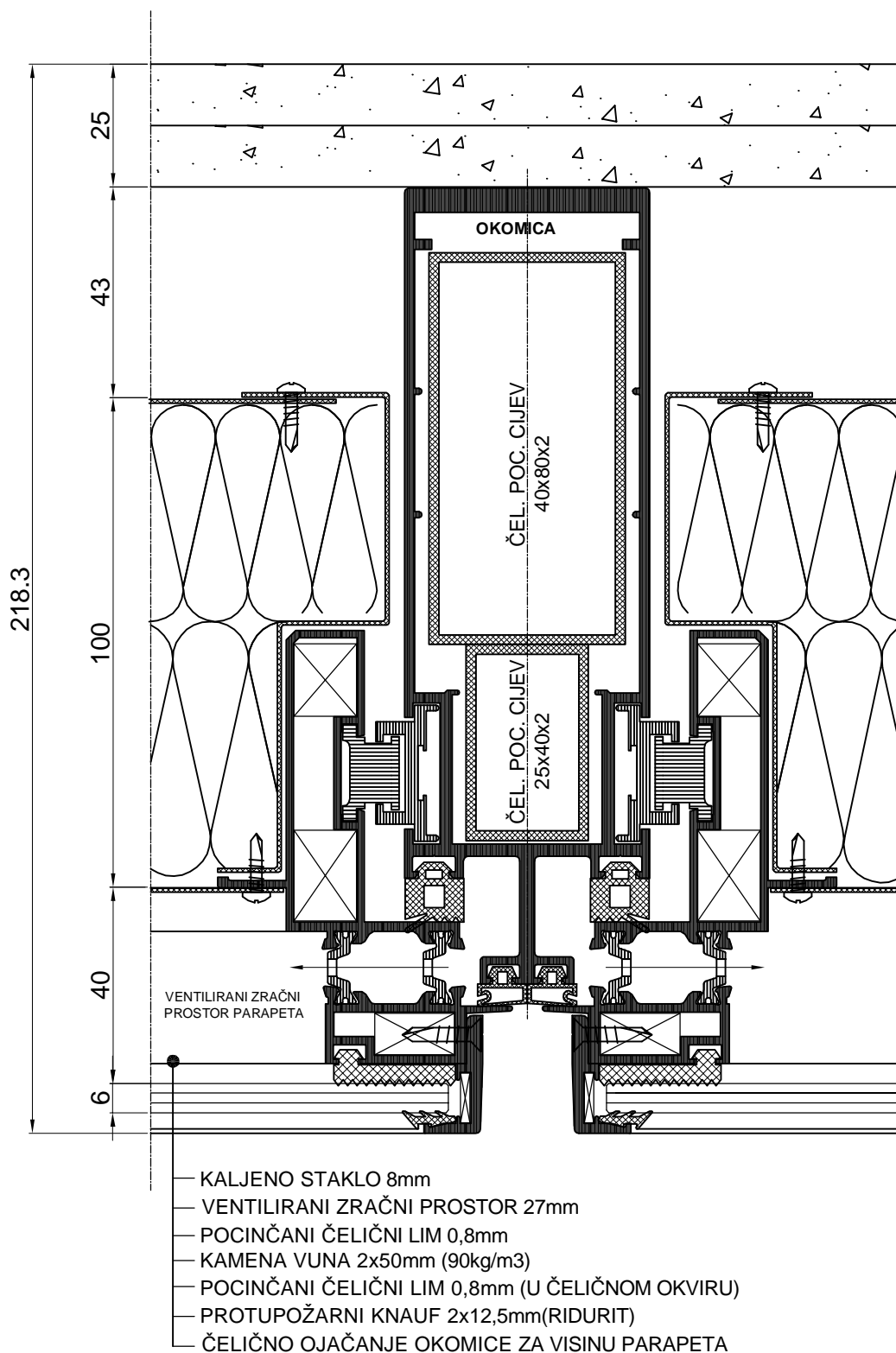
PARAPETNI DIO FASADE



****VANJSKO STAKLO OBRUBLJENO MONTAŽNO-DEMONTAŽNOM LAJSNOM SB-031/6****

****OSTAKLJENJE SA BRTVOM 322.006 SE KORISTI ZA PLOHE MANJE OD 1,8 m²**

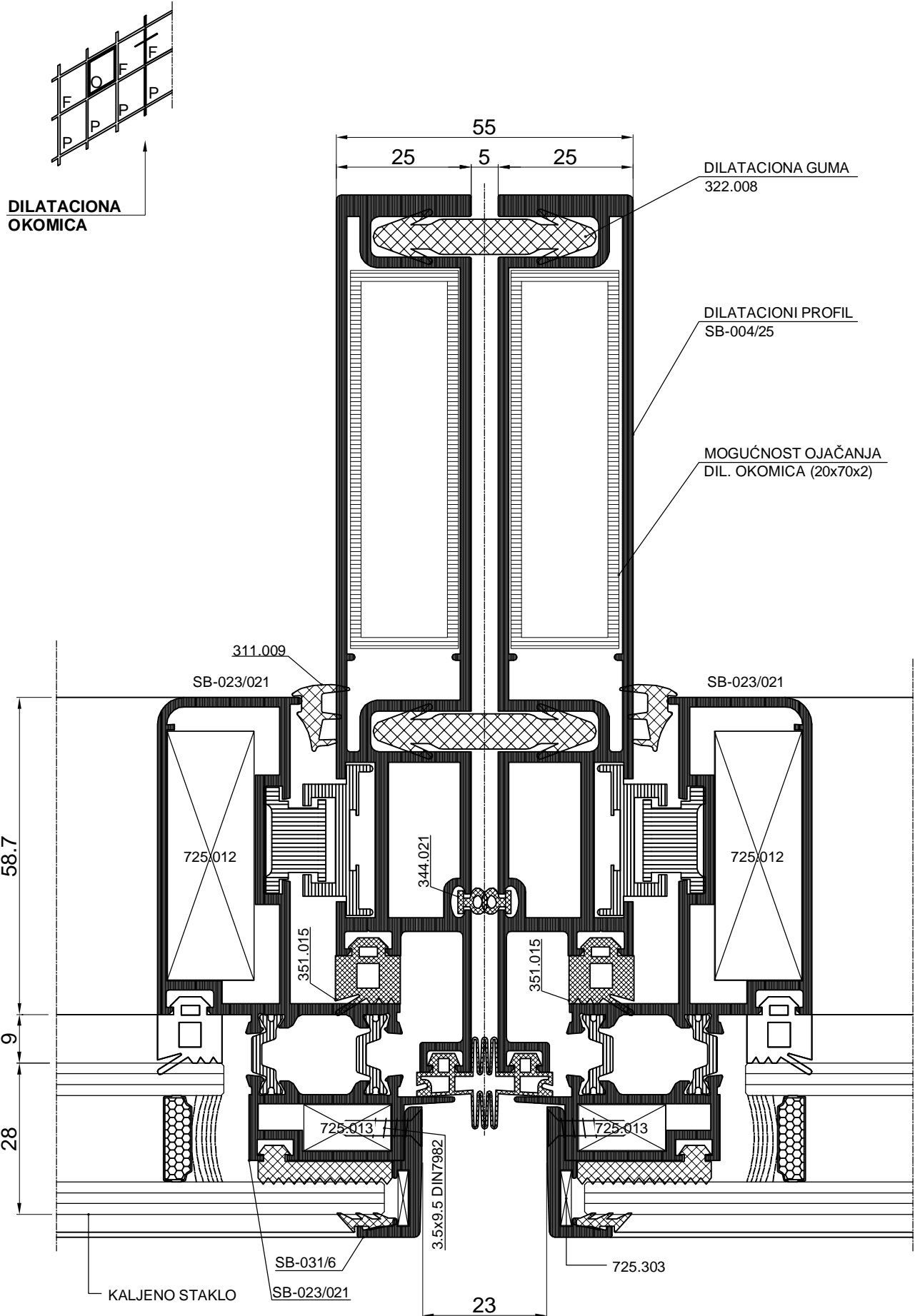
****OTVORI 4x25 ZA VENTILIRANJE PARAPETNOG DIJELA FASADE****


 PROTUPOŽARNI PARAPETNI
DIO FASADE


VANJSKO STAKLO OBRUBLJENO MONTAŽNO-DEMONTAŽNOM LAJSNOM SB-031/6

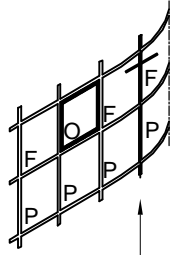
**OSTAKLJENJE SA BRTVOM 322.006 SE KORISTI ZA PLOHE MANJE OD 1,8 m²

OTVORI 4x25 ZA VENTILIRANJE PARAPETNOG DIJELA FASADE

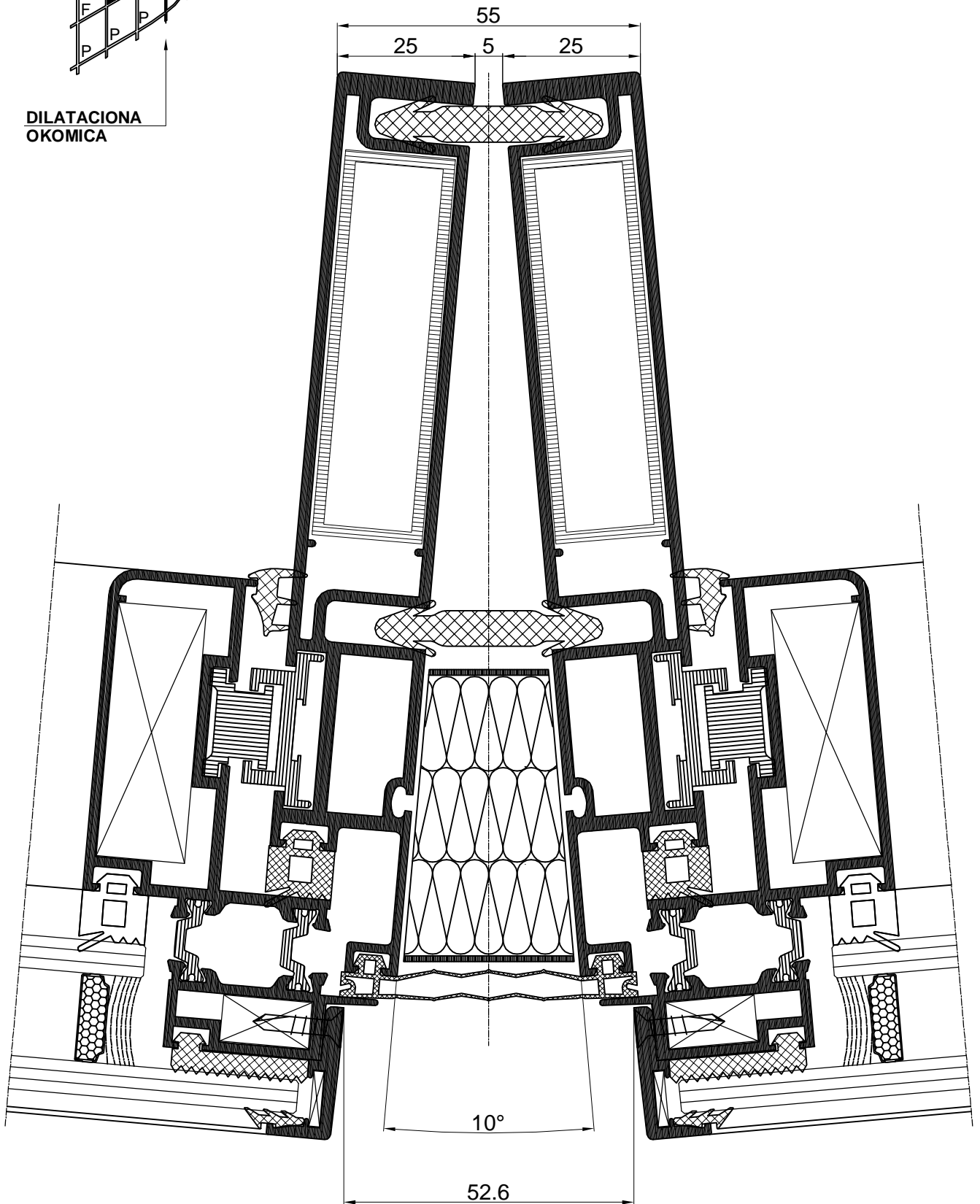


VANJSKO STAKLO OBRUBLJENO MONTAŽNO-DEMONTAŽNOM LAJSNOM SB-031/6

**OSTAKLJENJE SA BRTVOM 322.006 SE KORISTI ZA PLOHE MANJE OD 1,8 m²

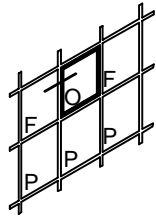
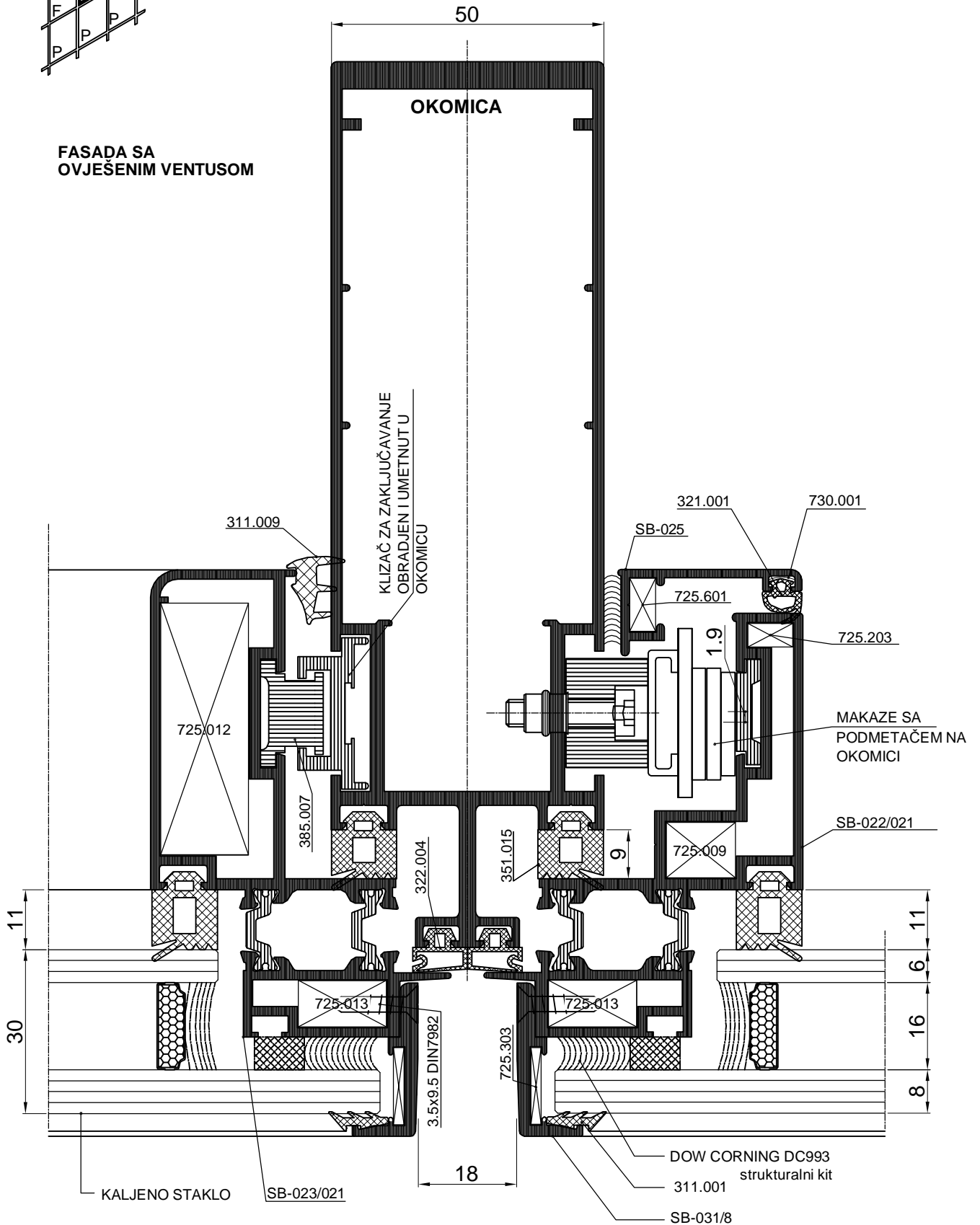


DILATACIONA
OKOMICA



VANJSKO STAKLO OBRUBLJENO MONTAŽNO-DEMONTAŽNOM LAJSNOM SB-031/6

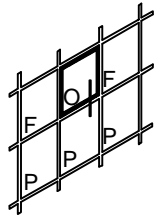
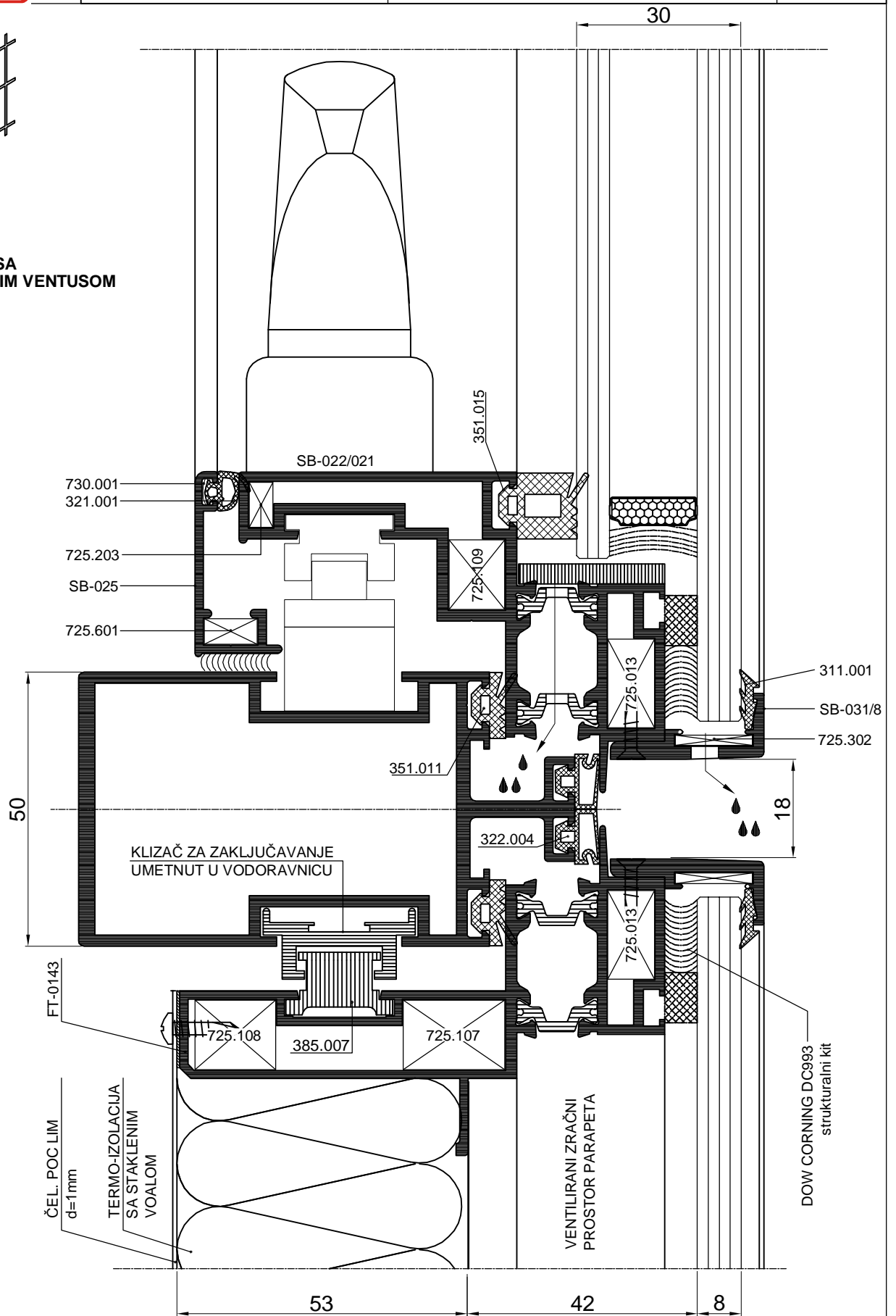
**OSTAKLJENJE SA BRTVOM 322.006 SE KORISTI ZA PLOHE MANJE OD 1,8 m²

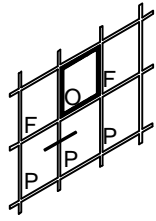

**FASADA SA
OVJEŠENIM VENTUSOM**


VANJSKO STAKLO ZALIJEPLJENO ZA AL. OKVIR STRUKTURALNIM LJEPILOM d=6mm ZA OKVIRE>1,8m 2

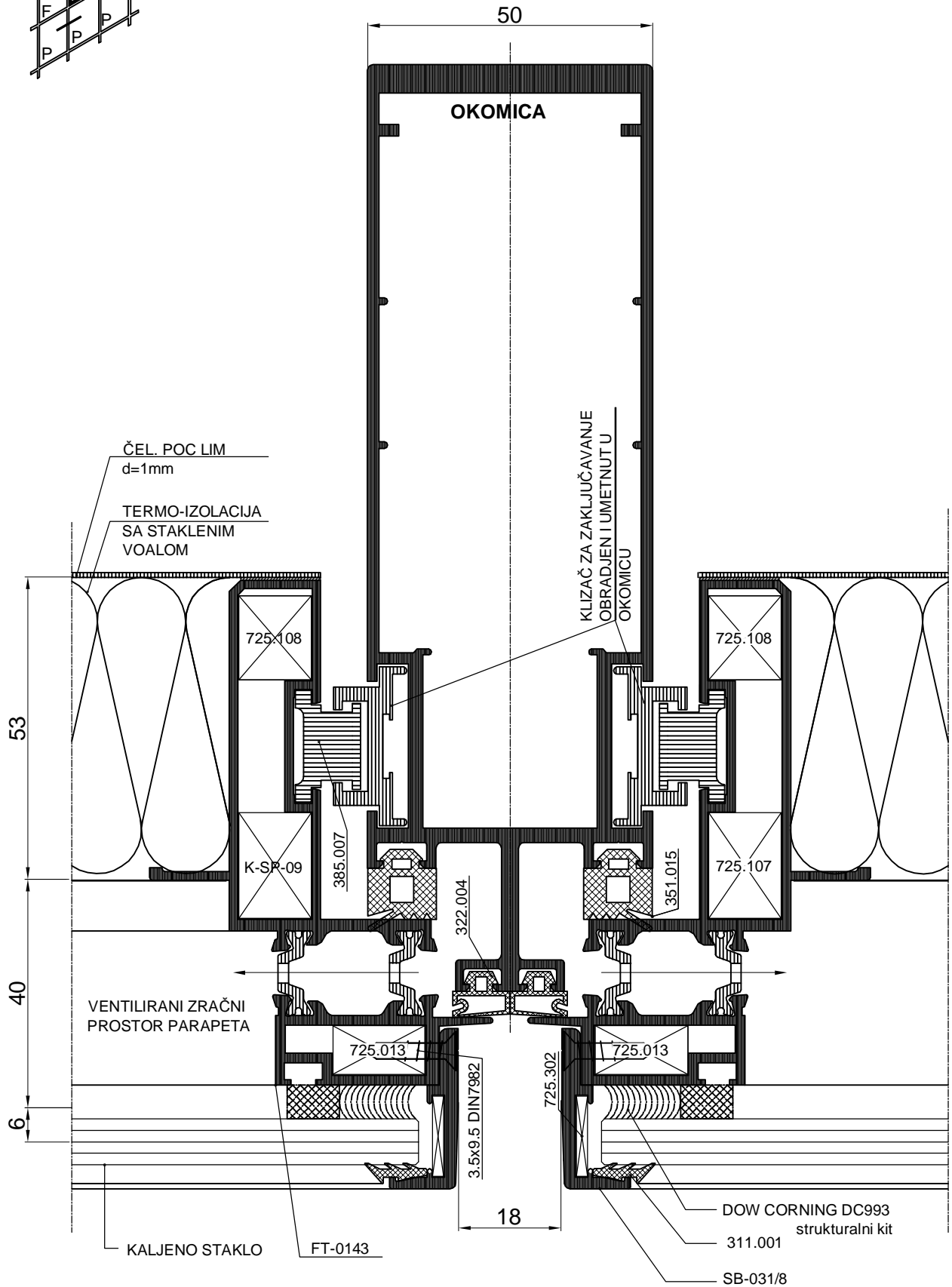
VANJSKO STAKLO OBRUBLJENO MONTAŽNO-DEMONTAŽNOM LAJSNOM SB-031/6

MAKAZE SA ZAKOVANIM KLIZAČEM NC-1459 I PODMETAČEM (20x15xL) ZA FIXIRANJE MAKAZA


**FASADA SA
OVJEŠENIM VENTUSOM**

****OTVORI 4x25 ZA IZVOD MOGUĆIH KAPLJEVINA ²**
****VANJSKO STAKLO ZALIJEPLJENO ZA AL. OKVIR STRUKTURALNIM LJEPILOM d=6mm ZA OKVIRE>1,8m ^{2**}**
****VANJSKO STAKLO OBRUBLJENO MONTAŽNO-DEMONTAŽNOM LAJSNOM SB-031/6****



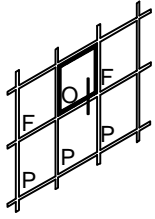
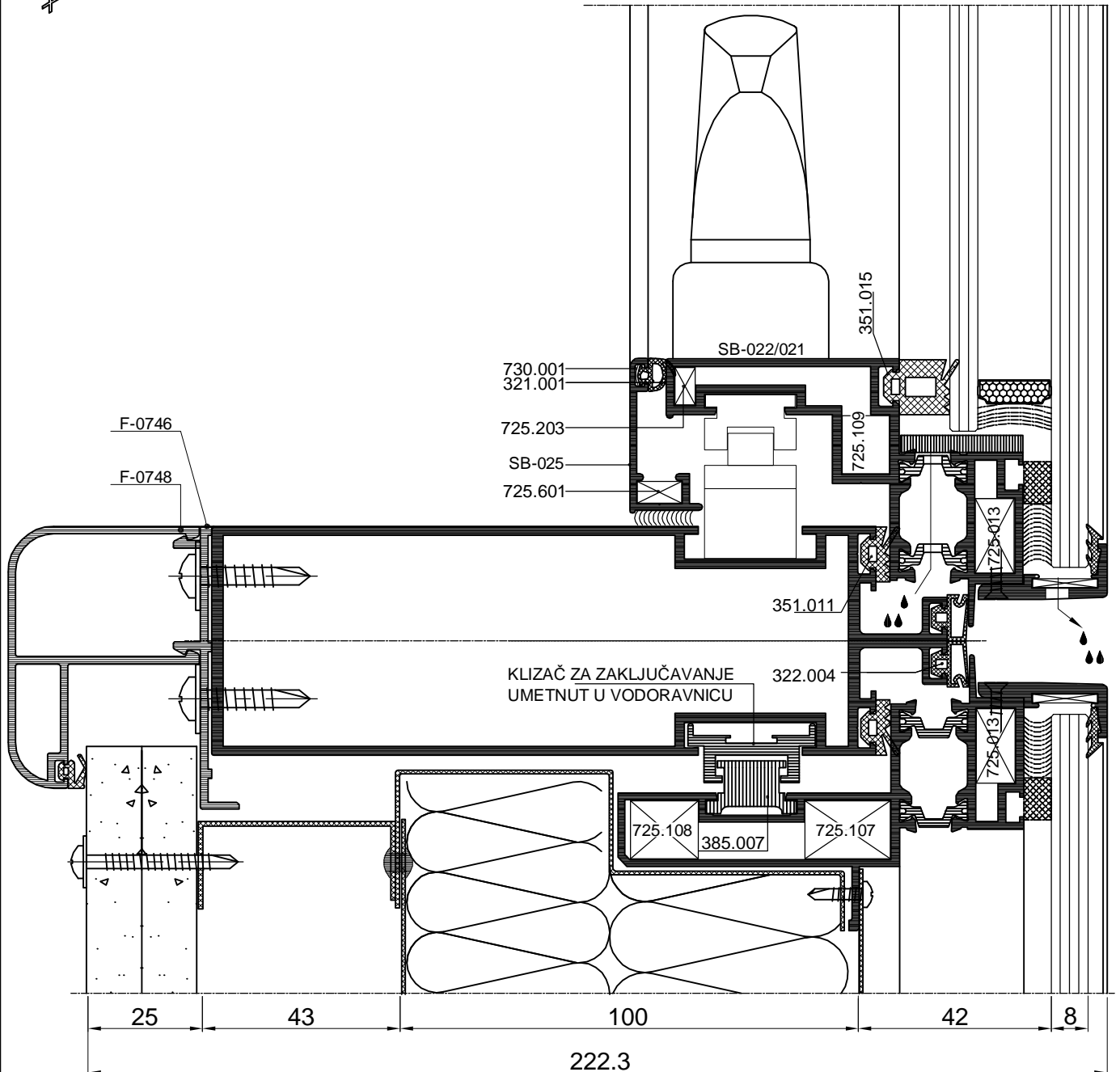
PARAPETNI DIO FASADE



****OTVORI 4x25 ZA VENTILIRANJE PARAPETNOG DIJELA FASADE****

****VANJSKO STAKLO ZALIJEPLJENO ZA AL. OKVIR STRUKTURALNIM LJEPILOM d=6mm ZA OKVIRE >1,8m ^{2**}**

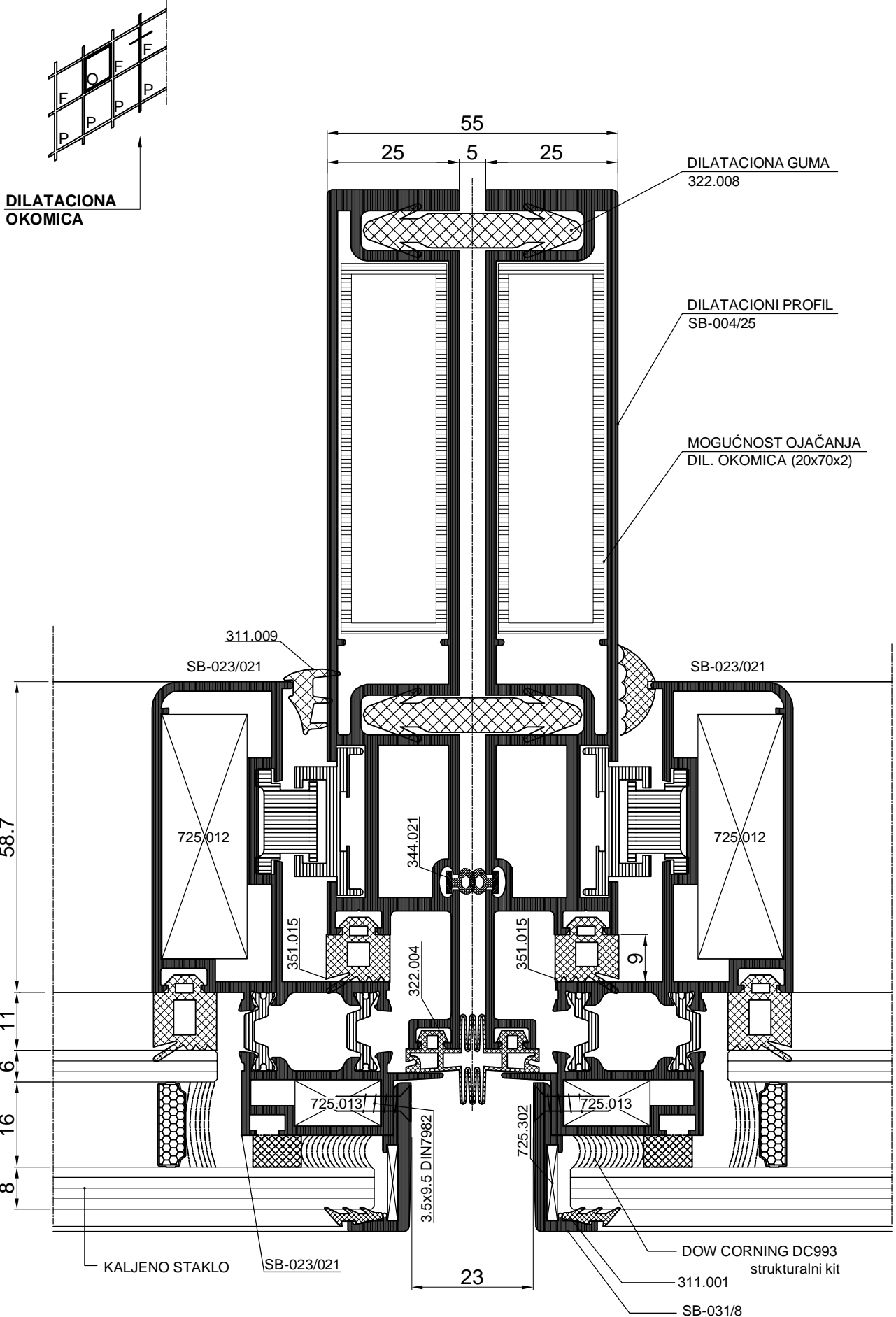
****VANJSKO STAKLO OBRUBLJENO MONTAŽNO-DEMONTAŽNOM LAJSNOM SB-031/6****


 PROTUPOŽARNI PARAPETNI
DIO FASADE


- KALJENO STAKLO 8mm
- VENTILIRANI ZRAČNI PROSTOR 27mm
- POCINČANI ČELIČNI LIM 0,8mm
- KAMENA VUNA 2x50mm (90kg/m³)
- POCINČANI ČELIČNI LIM 0,8mm (U ČELIČNOM OKVIRU)
- PROTUPOŽARNI KNAUF 2x12,5mm(RIDURIT)

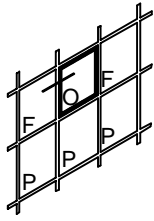
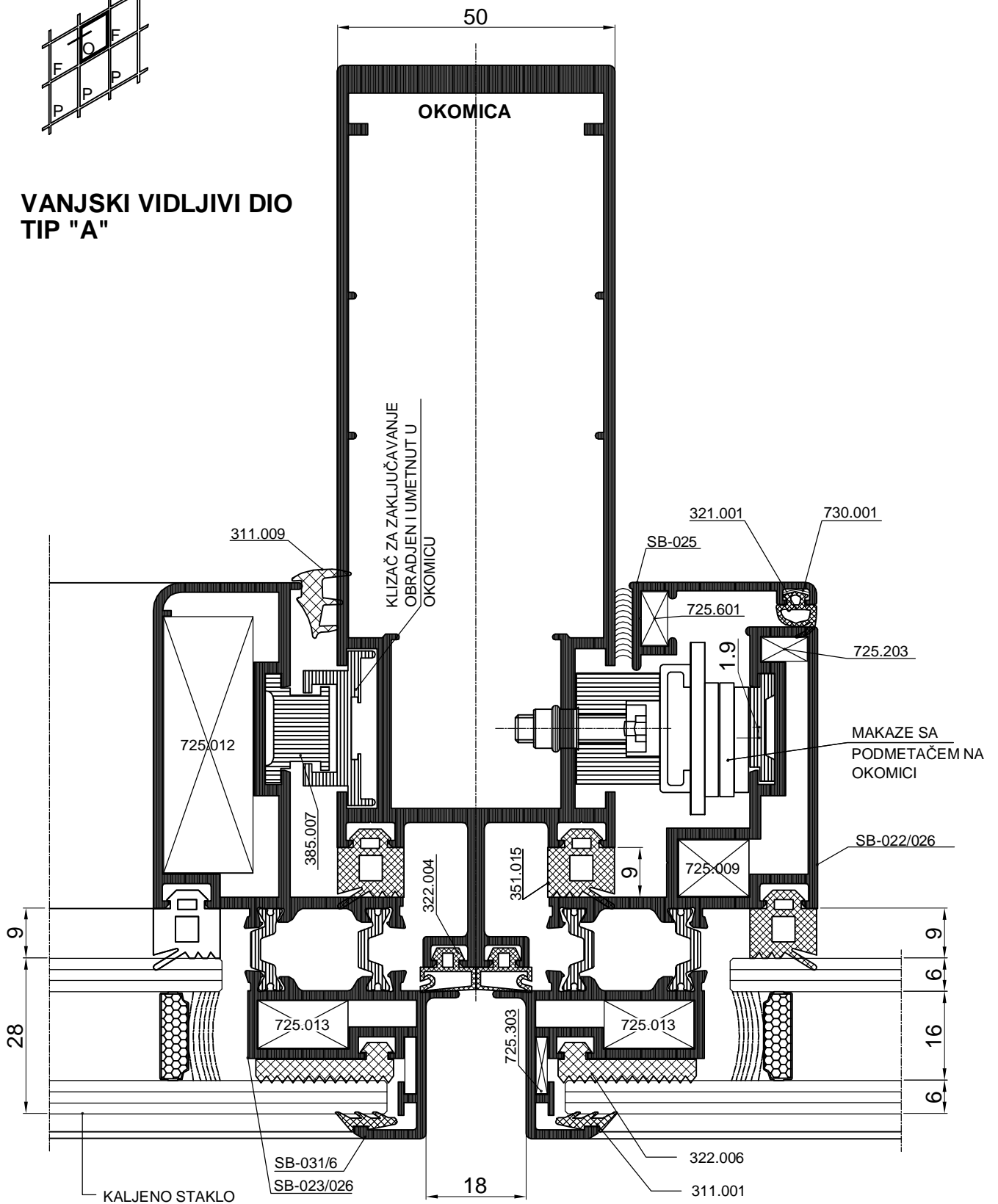
VANJSKO STAKLO ZALIJEPLJENO ZA AL. OKVIR STRUKTURALNIM LJEPILOM d=6mm ZA OKVIRE>1,8m 2

VANJSKO STAKLO OBRUBLJENO MONTAŽNO-DEMONTAŽNOM LAJSNOM SB-031/6



VANJSKO STAKLO ZALIJEPLJENO ZA AL. OKVIR STRUKTURALNIM LJEPILOM d=6mm ZA OKVIRE>1,8m ^{2}

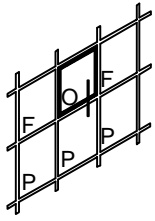
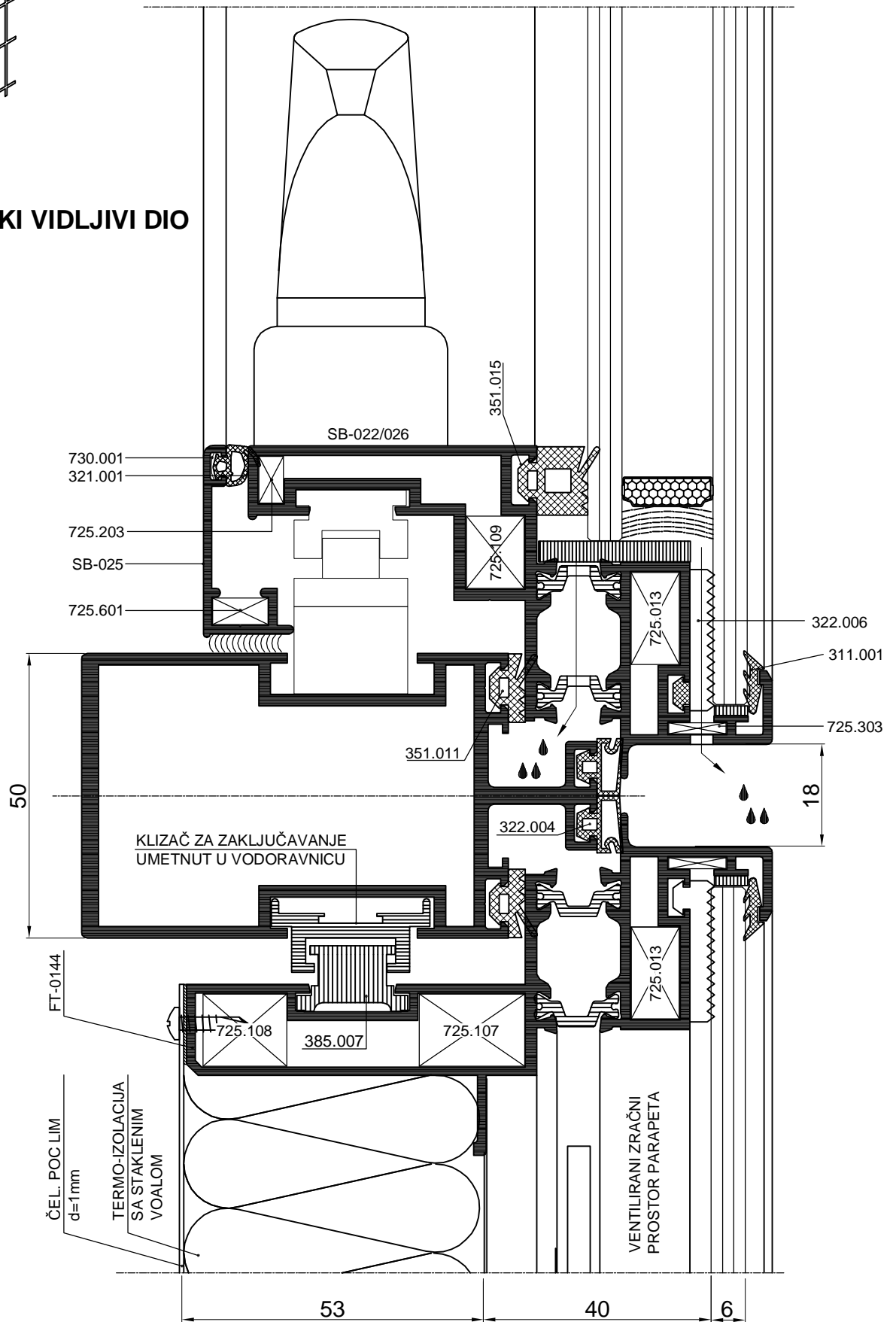
VANJSKO STAKLO OBRUBLJENO MONTAŽNO-DEMONTAŽNOM LAJSNOM SB-031/6


**VANJSKI VIDLJIVI DIO
TIP "A"**


**OSTAKLJENJE SA BRTVOM 322.006 SE KORISTI ZA PLOHE MANJE OD 1,8 m²

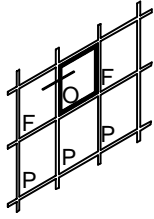
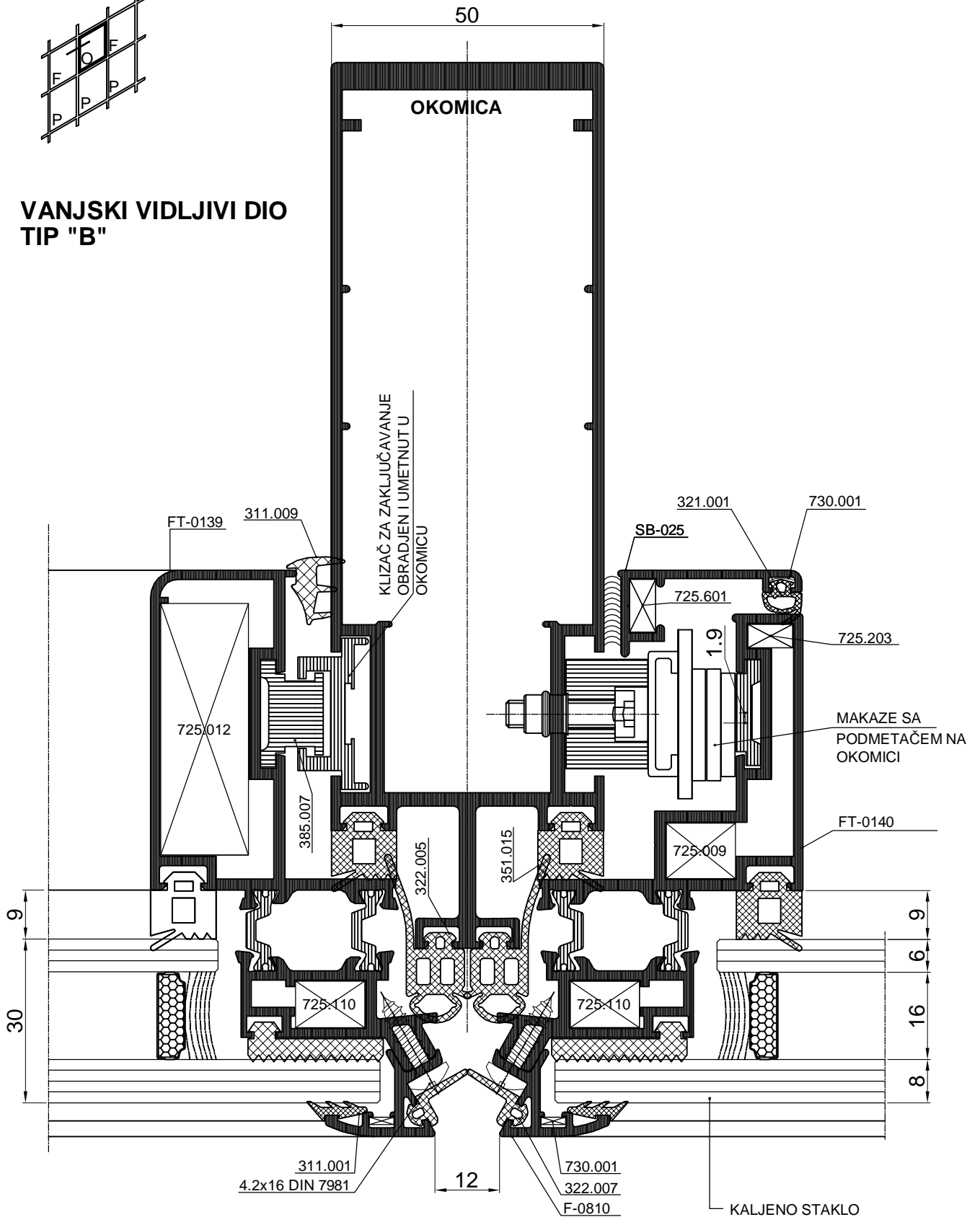
VANJSKO STAKLO OBRUBLJENO PROFILOM SB-023/026

MAKAZE SA ZAKOVANIM KLIZAČEM NC-1459 I PODMETAČEM (20x15xL) ZA FIXIRANJE MAKAZA


**VANJSKI VIDLJIVI DIO
TIP "A"**


**OTVORI 4x25 ZA IZVOD MOGUĆIH KAPLJEVINA ²

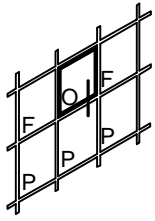
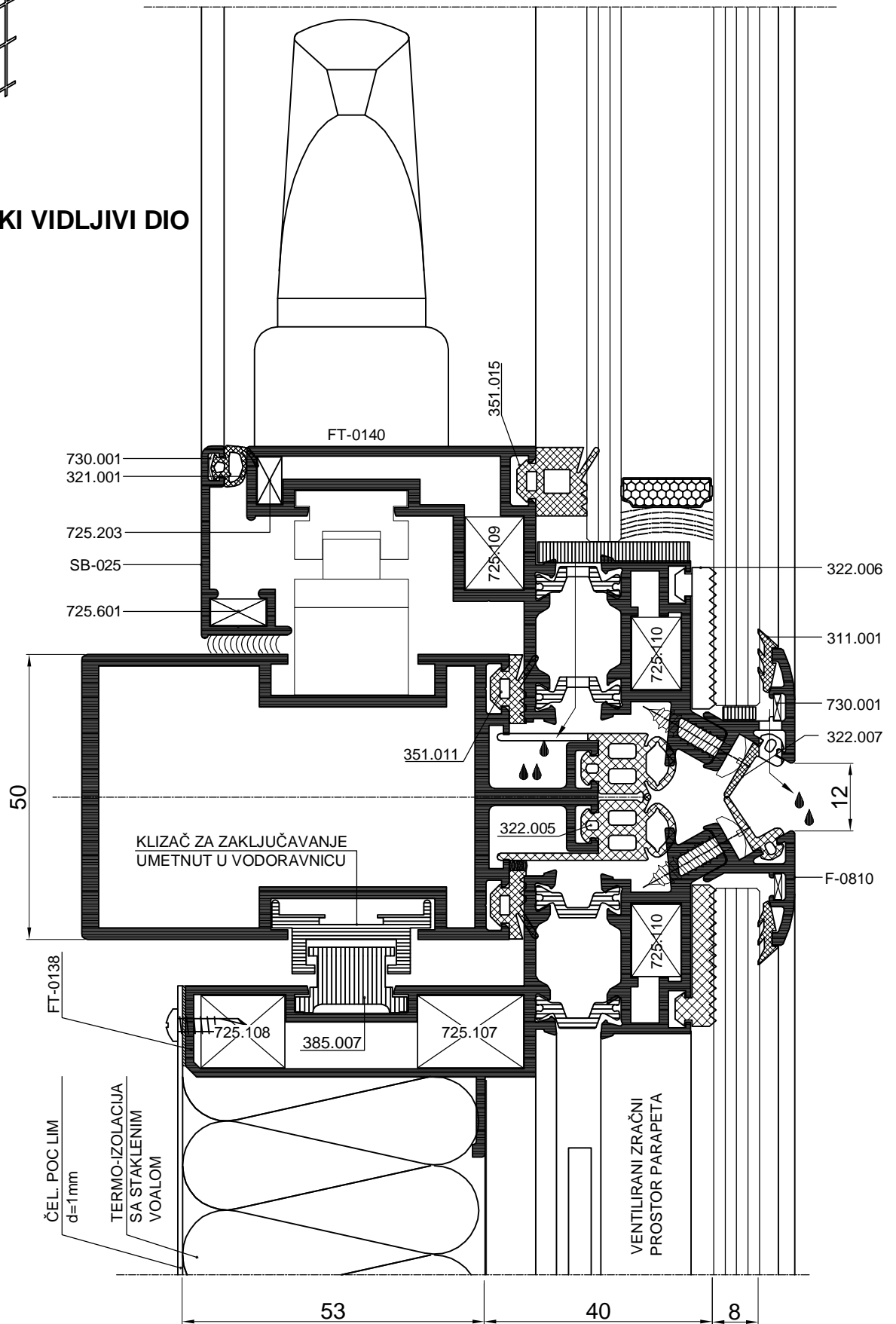
**OSTAKLJENJE SA BRTVOM 322.006 SE KORISTI ZA PLOHE MANJE OD 1,8 m ²


**VANJSKI VIDLJIVI DIO
TIP "B"**


**OSTAKLJENJE SA BRTVOM 322.006 SE KORISTI ZA PLOHE MANJE OD 1,8 m²

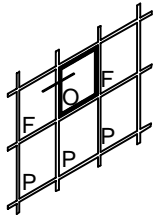
VANJSKO STAKLO OBRUBLJENO PROFILOM F-0810

MAKAZE SA ZAKOVANIM KLIZAČEM NC-1459 I PODMETAČEM (20x15xL) ZA FIXIRANJE MAKAZA

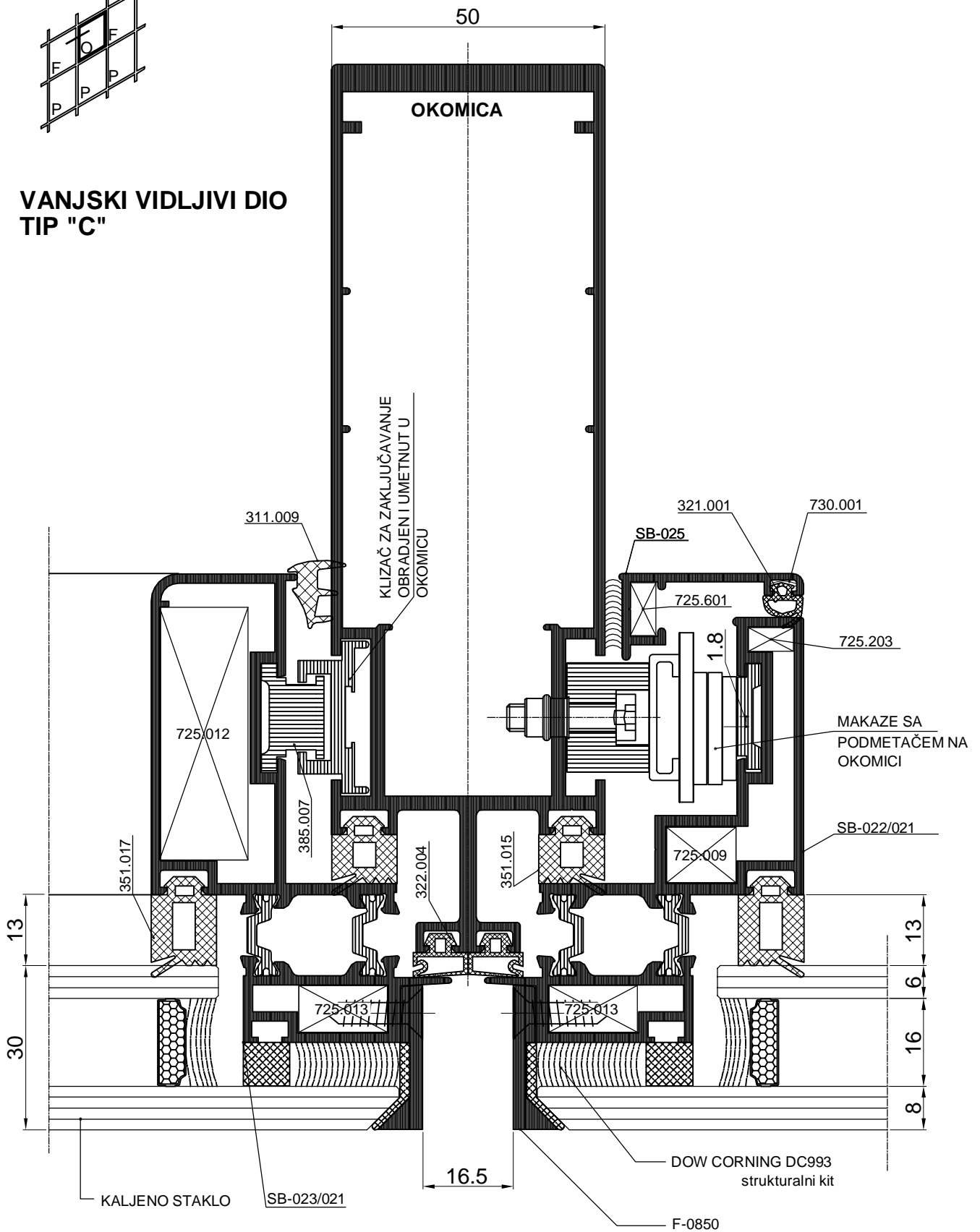

**VANJSKI VIDLJIVI DIO
TIP "B"**


**OTVORI 4x25 ZA IZVOD MOGUĆIH KAPLJEVINA ²

**OSTAKLJENJE SA BRTVOM AT 1502 SE KORISTI ZA PLOHE MANJE OD 1,8 m ²



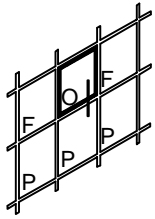
**VANJSKI VIDLJIVI DIO
TIP "C"**



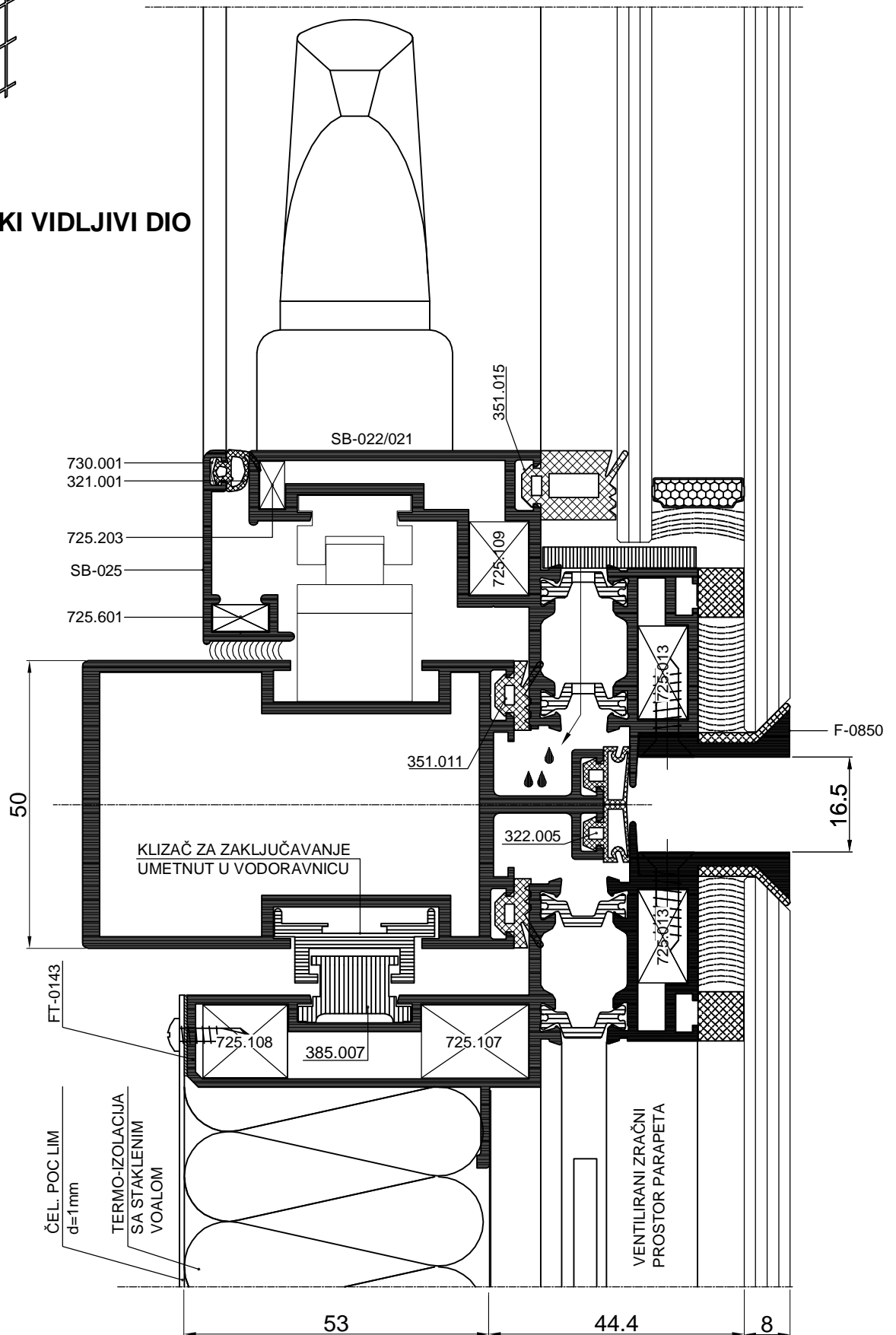
VANJSKO STAKLO ZALIJEPLJENO ZA AL. OKVIR STRUKTURALNIM LJEPILOM d=6mm ZA OKVIRE > 1,8m ^{2}

VANJSKO STAKLO OBRUBLJENO MONTAŽNO-DEMONTAŽNOM LAJSNOM F-0850

MAKAZE SA ZAKOVANIM KLIZAČEM NC-1459 I PODMETAČEM (20x15xL) ZA FIXIRANJE MAKAZA



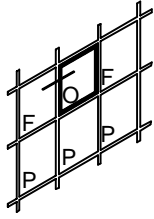
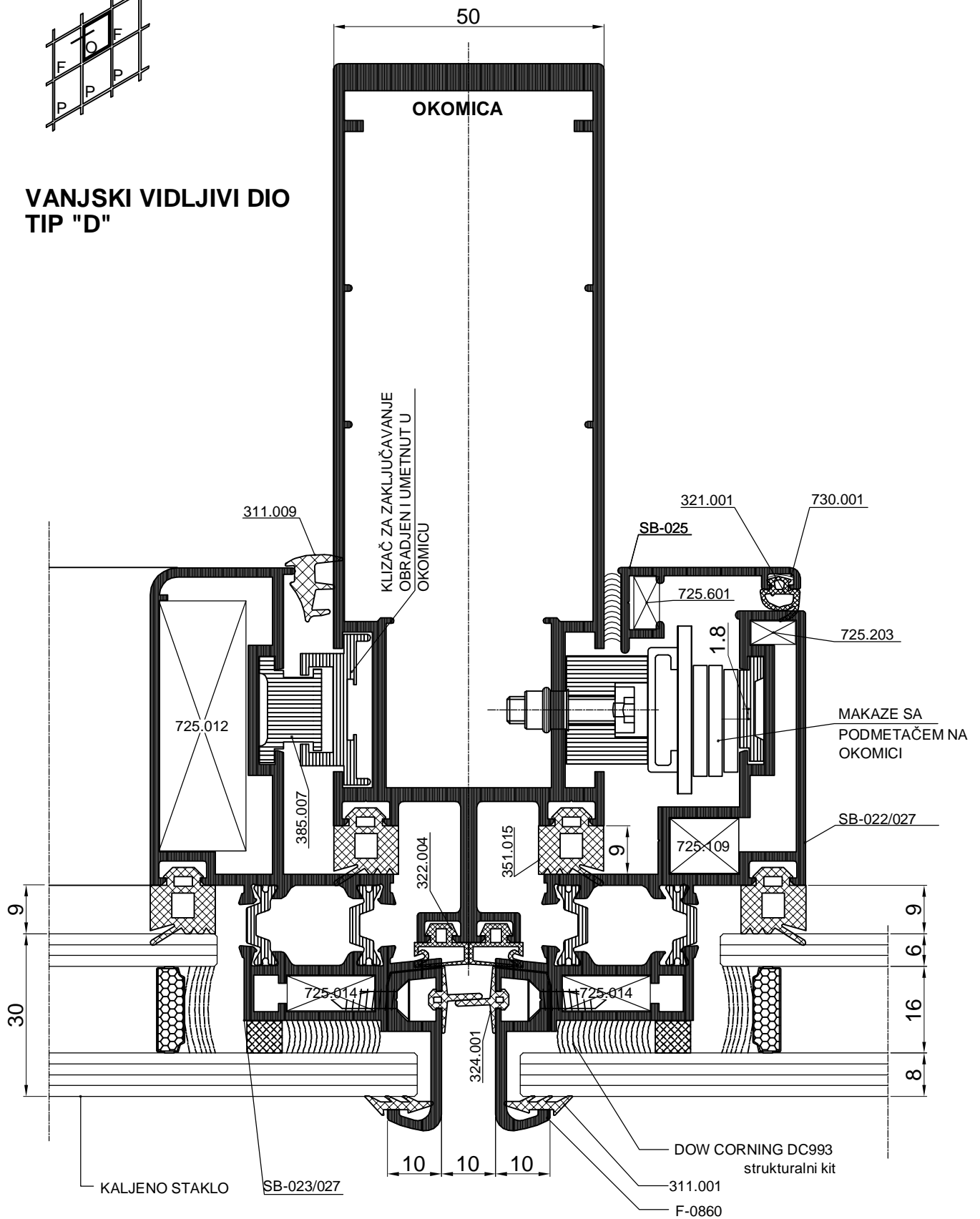
**VANJSKI VIDLJIVI DIO
TIP "C"**



**OTVORI 4x25 ZA IZVOD MOGUĆIH KAPLJEVINA ²

VANJSKO STAKLO ZALIJEPLEJNO ZA AL. OKVIR STRUKTURALNIM LJEPILOM d=6mm ZA OKVIRE > 1,8m ^{2}

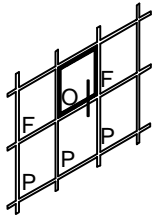
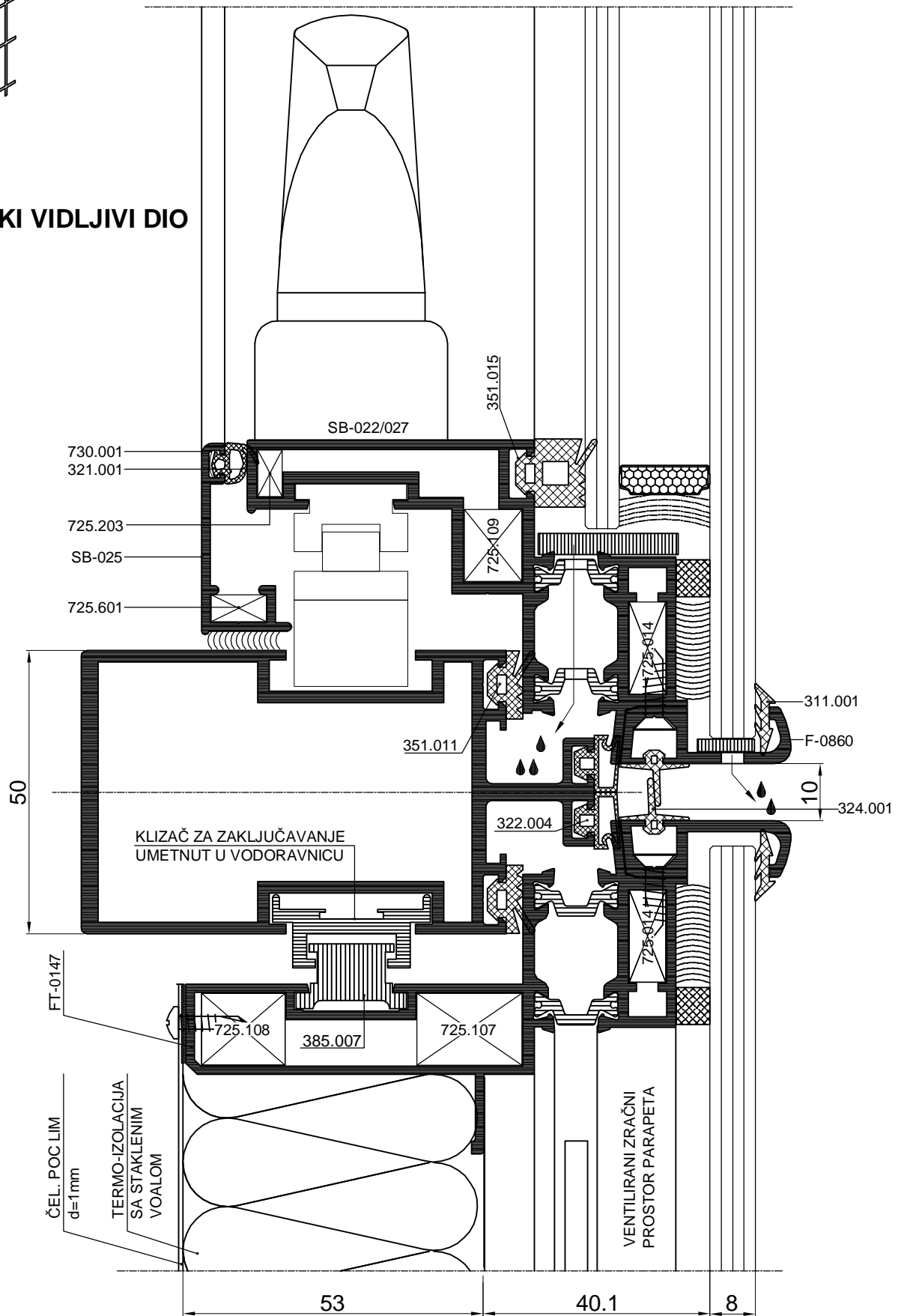
VANJSKO STAKLO OBRUBLJENO MONTAŽNO-DEMONTAŽNOM LAJSNOM F-0850


**VANJSKI VIDLJIVI DIO
TIP "D"**


VANJSKO STAKLO ZALIJEPLJENO ZA AL. OKVIR STRUKTURALNIM LJEPILOM d=6mm ZA OKVIRE > 1,8m ^{2}

VANJSKO STAKLO OBRUBLJENO MONTAŽNO-DEMONTAŽNOM LAJSNOM F-0860

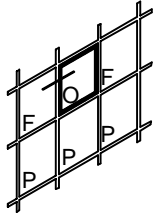
MAKAZE SA ZAKOVANIM KLIZAČEM NC-1459 I UMETKOM (20x15xL) ZA FIXIRANJE MAKAZA


**VANJSKI VIDLJIVI DIO
TIP "D"**


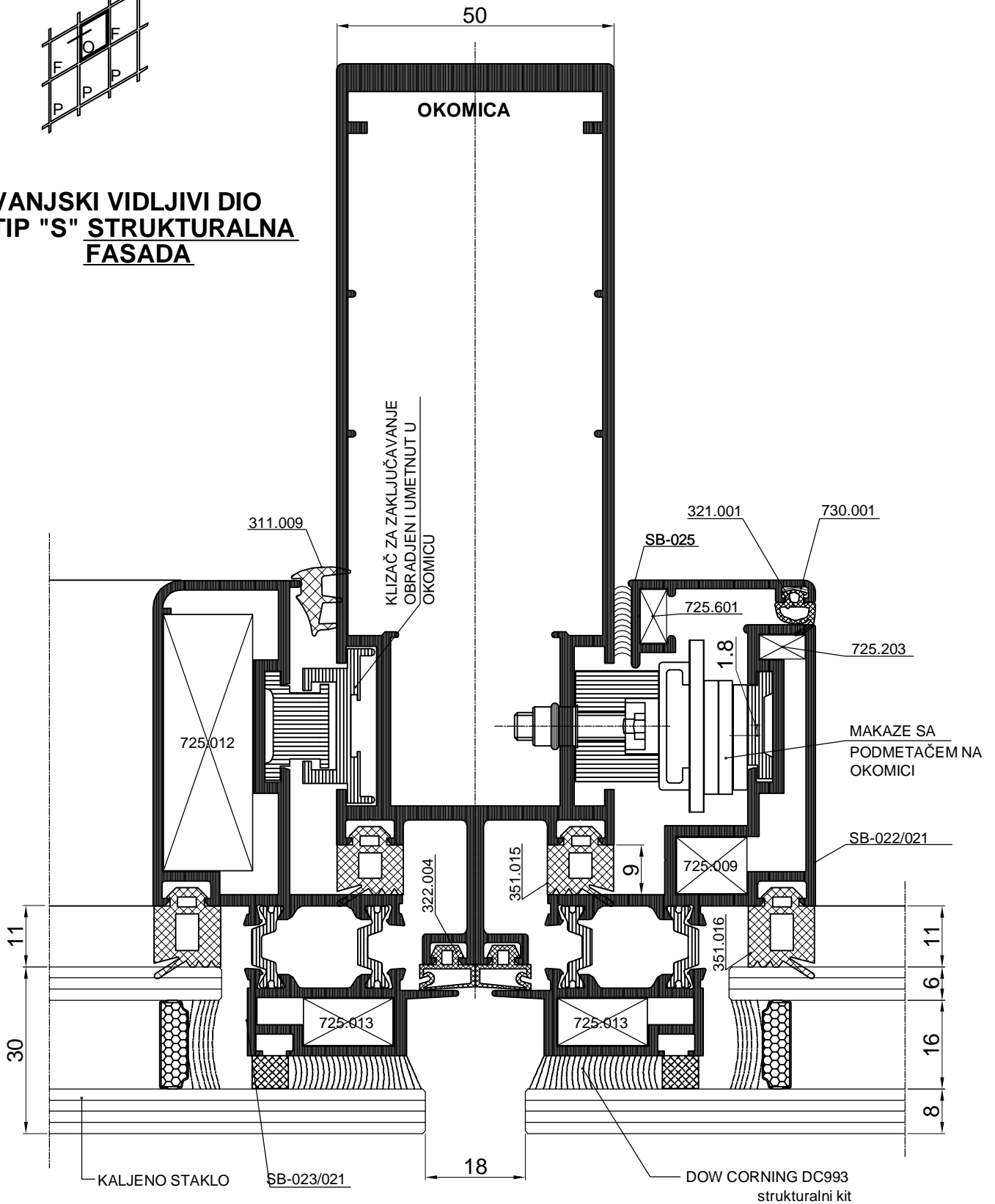
**OTVORI 4x25 ZA IZVOD MOGUĆIH KAPLJEVINA ²

VANJSKO STAKLO ZALIJEPLEJNO ZA AL. OKVIR STRUKTURALNIM LJEPILOM d=6mm ZA OKVIRE > 1,8m ^{2}

VANJSKO STAKLO OBRUBLJENO MONTAŽNO-DEMONTAŽNOM LAJSNOM F-0860



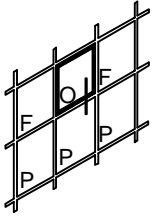
**VANJSKI VIDLJIVI DIO
TIP "S" STRUKTURALNA
FASADA**



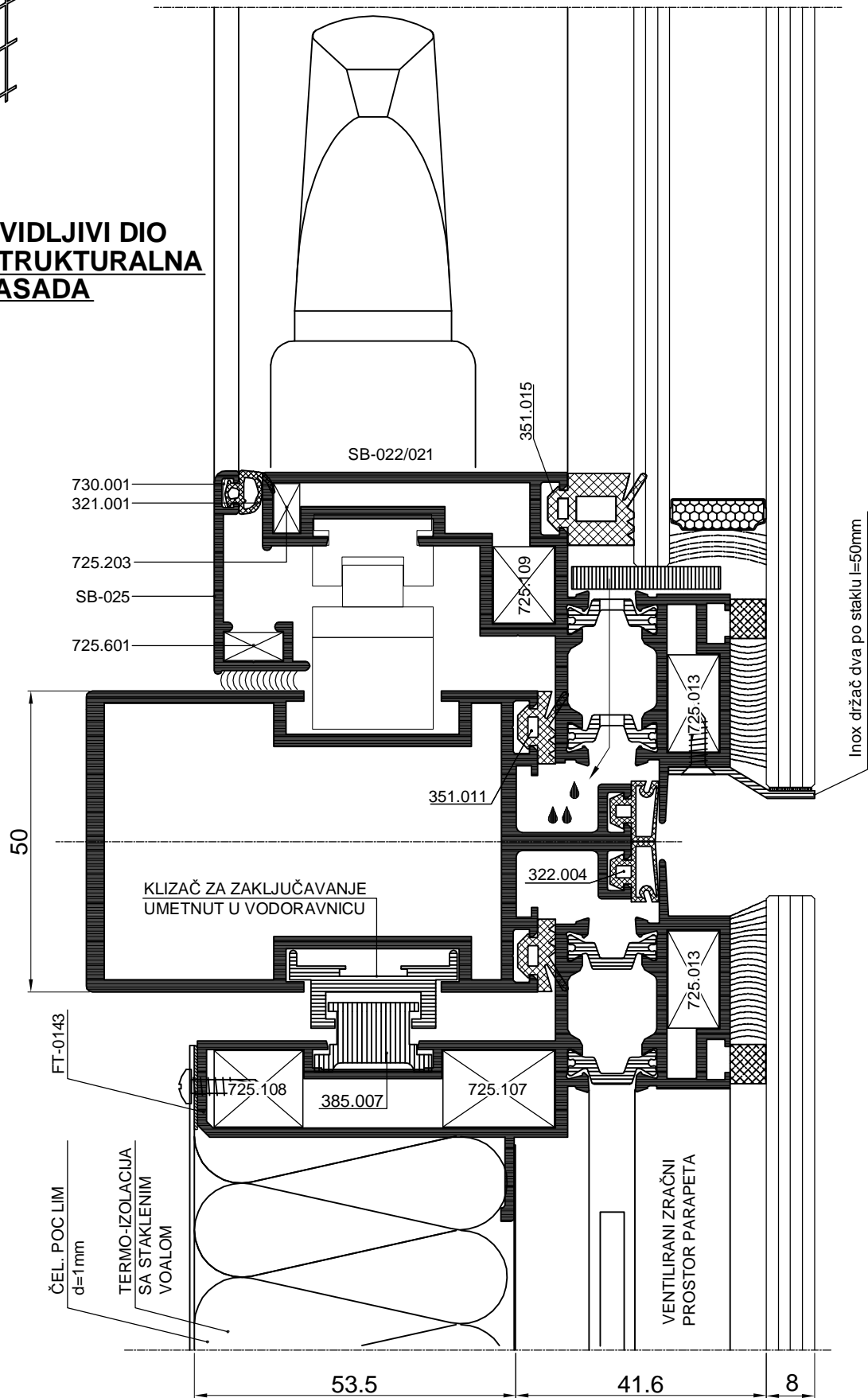
STRUKTURALNA FASADA ZA RAZLIKU OD POLUSTRUKTURALNE FASADE IMA ZA ZAVRŠNI PROFIL SB-021 KOJI MORA BITI ELOKSIRAN (eloksa za mladja od 6 mjeseci). NA SASTAVLJENI FASADNI ELEMENT LIJEPI SE FASADNO STAKLO POMOĆU NORTONOVE TRAKE I STRUKTURALNOG KITA DC 993. LJEPLJENJE IZVODI KUĆA KOJA IMA ODGOVARAJUĆU ATESTNU DOKUMENTACIJU.

VANJSKO STAKLO ZALJEPLJENO ZA AL. OKVIR STRUKTURALNIM LJEPILOM d=6mm ZA OKVIRE < 1,8m²

MAKAZE SA ZAKOVANIM KLIZAČEM NC-1459 I PODMETAČEM (20x15xL) ZA FIXIRANJE MAKAZA

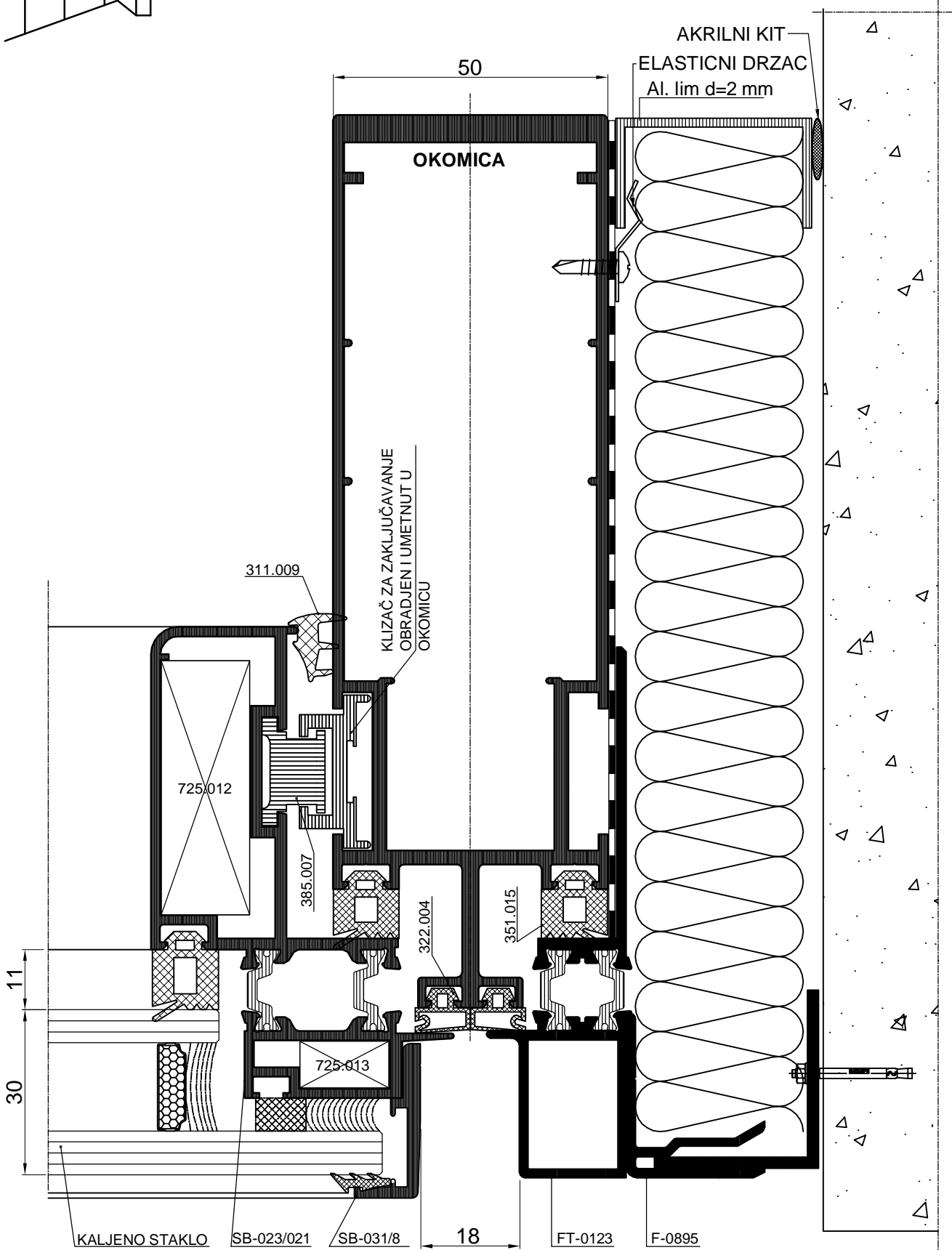
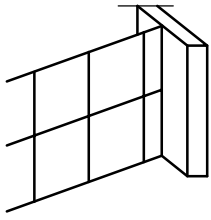


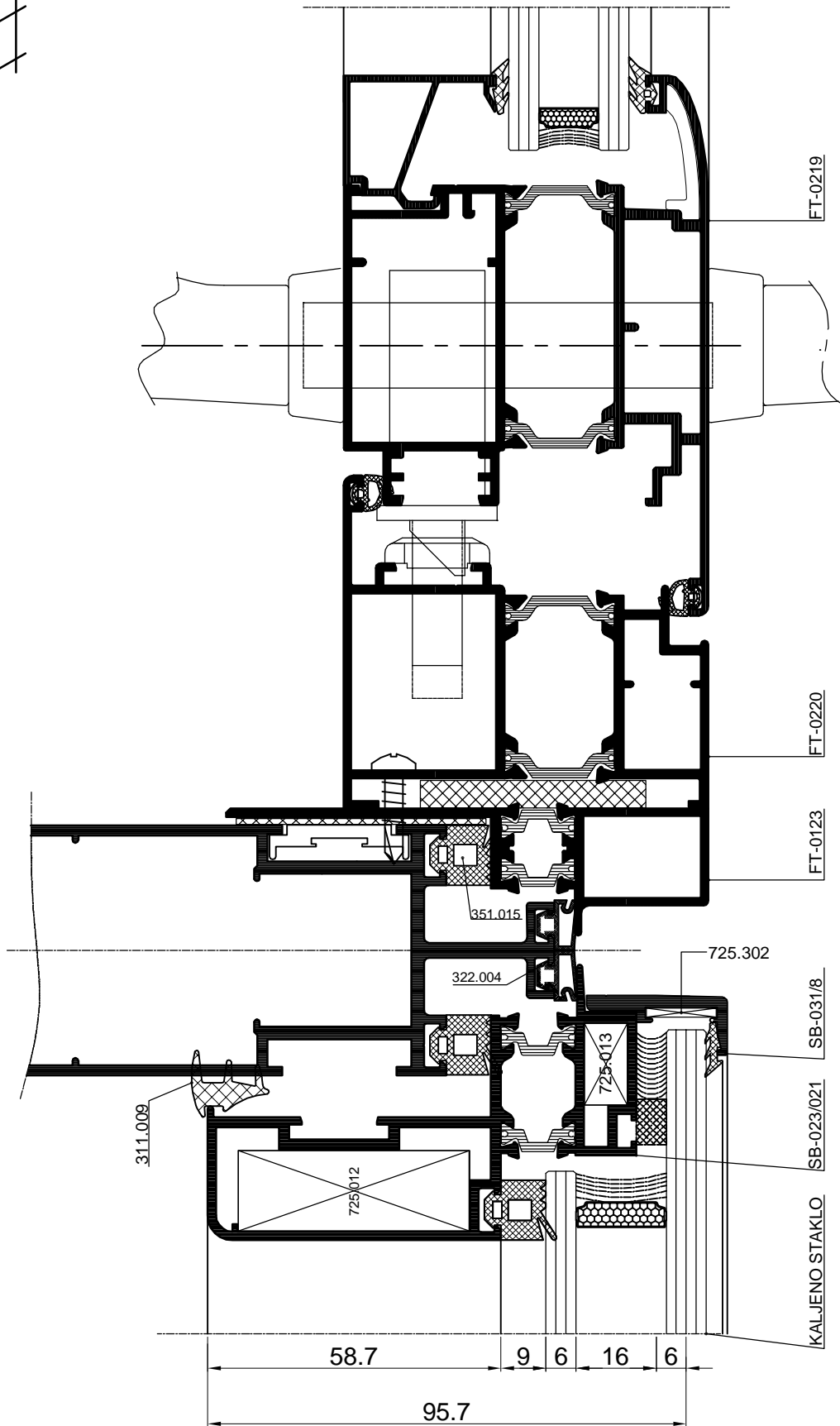
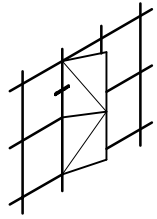
**VANJSKI VIDLJIVI DIO
TIP "S" STRUKTURALNA
FASADA**

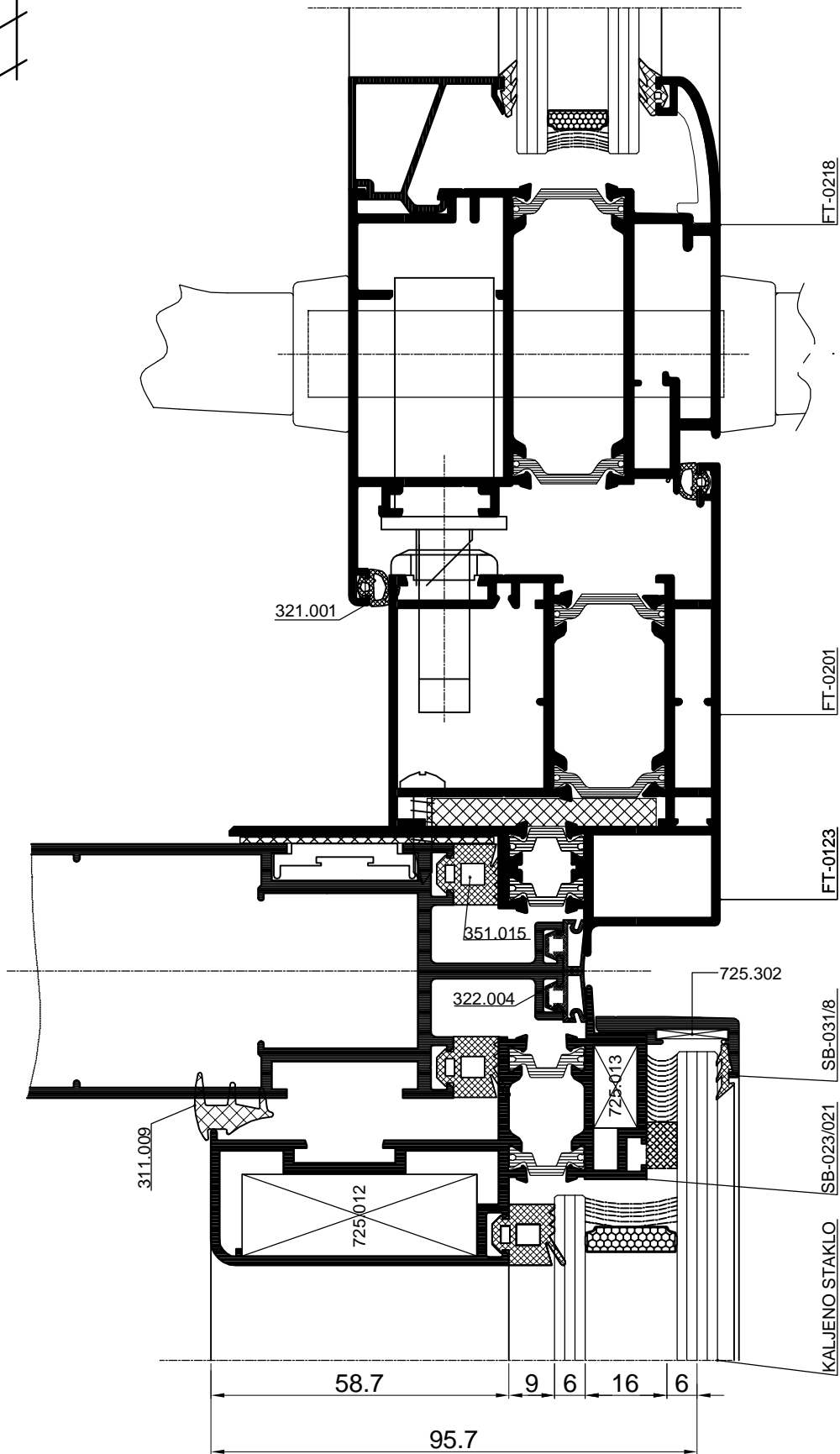
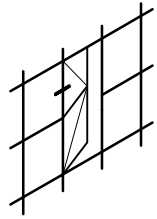


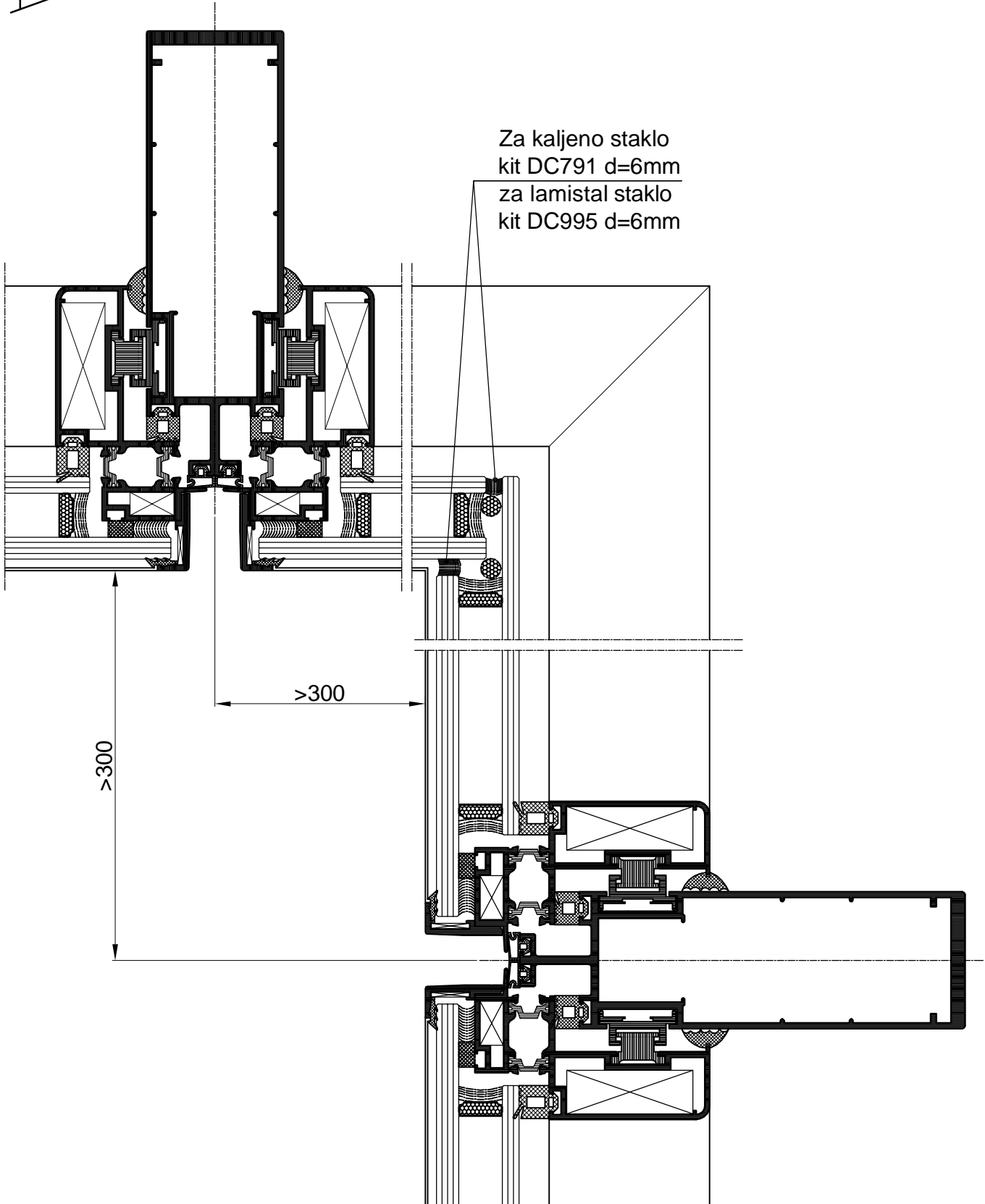
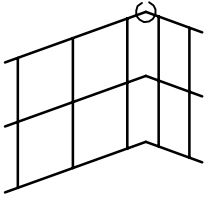
**OTVORI 4x25 ZA IZVOD MOGUĆIH KAPLJEVINA ²

VANJSKO STAKLO ZALIJEPLJENO ZA AL. OKVIR STRUKTURALNIM LJEPILOM d=6mm ZA OKVIRE < 1.8m ^{2}





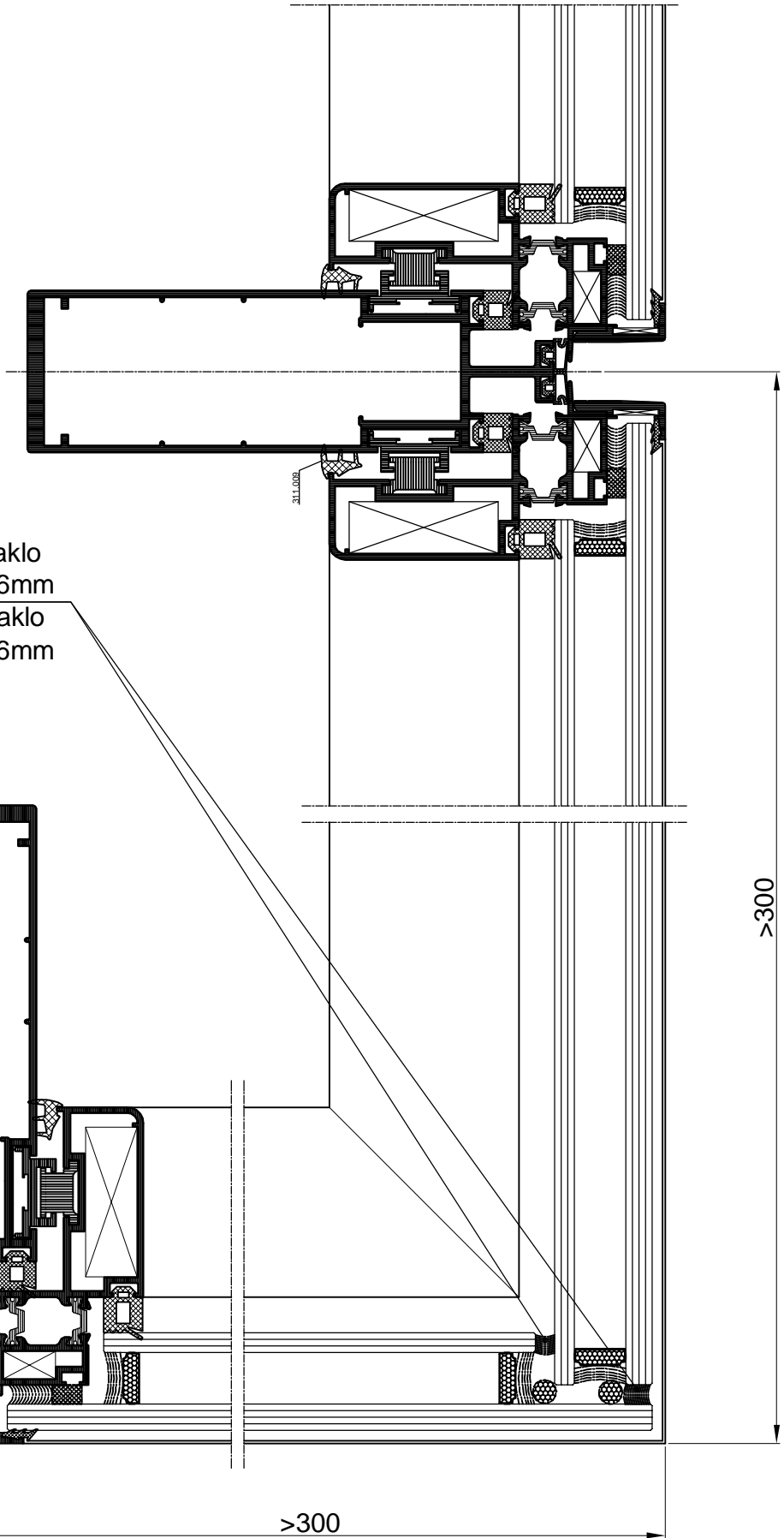
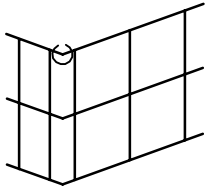




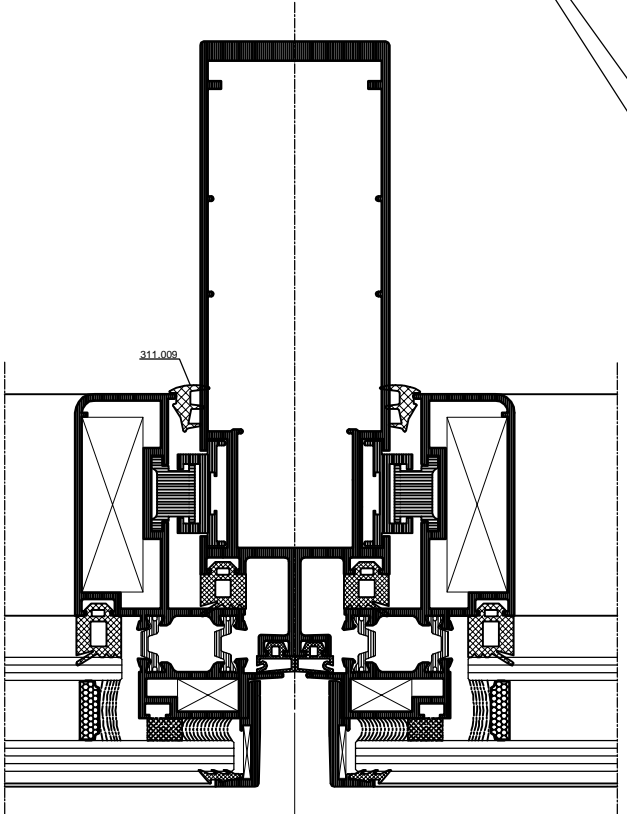
Za kaljeno staklo
kit DC791 d=6mm
za lamistal staklo
kit DC995 d=6mm

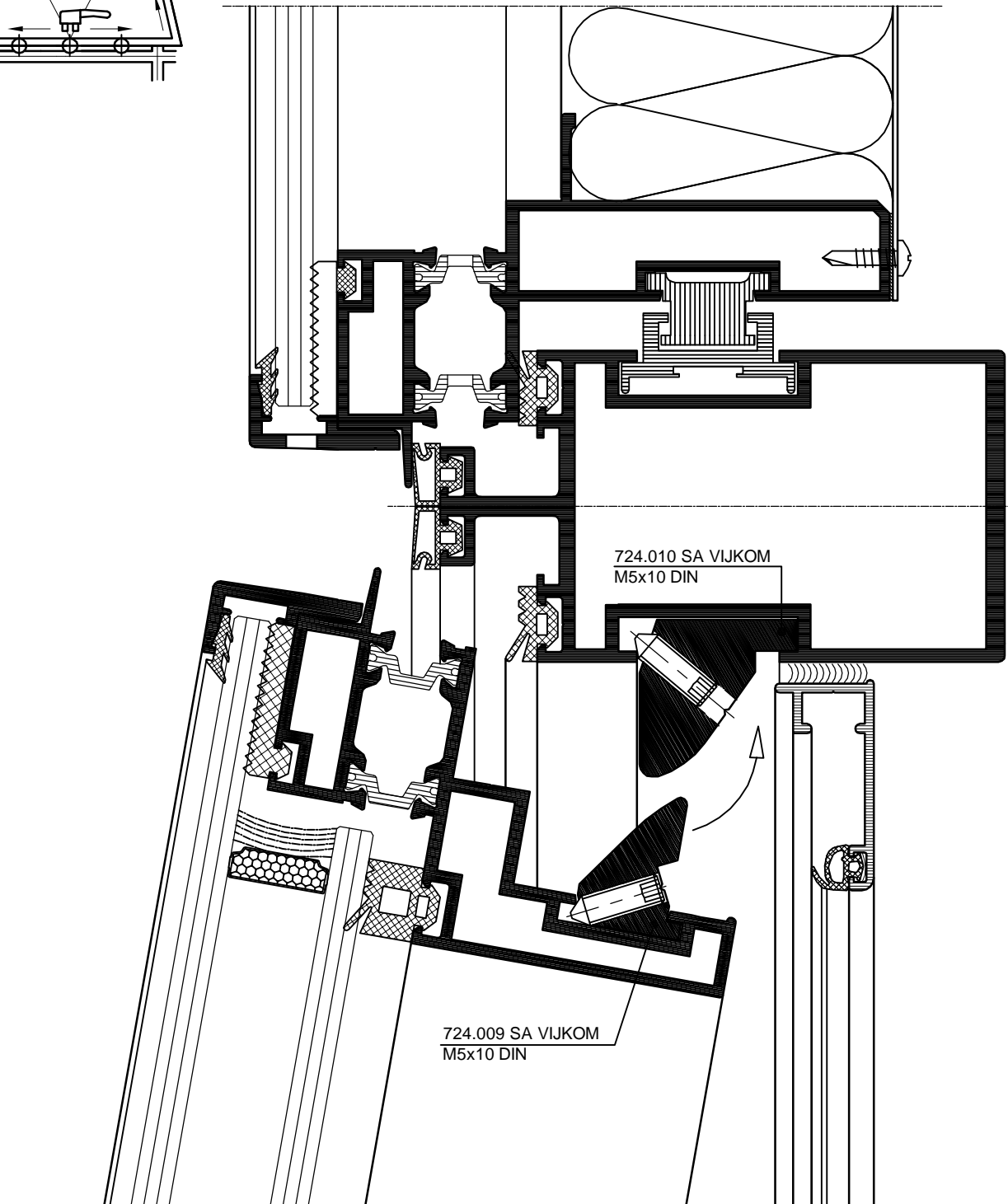
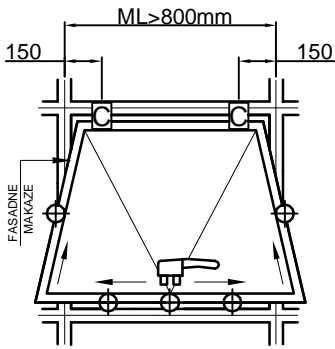
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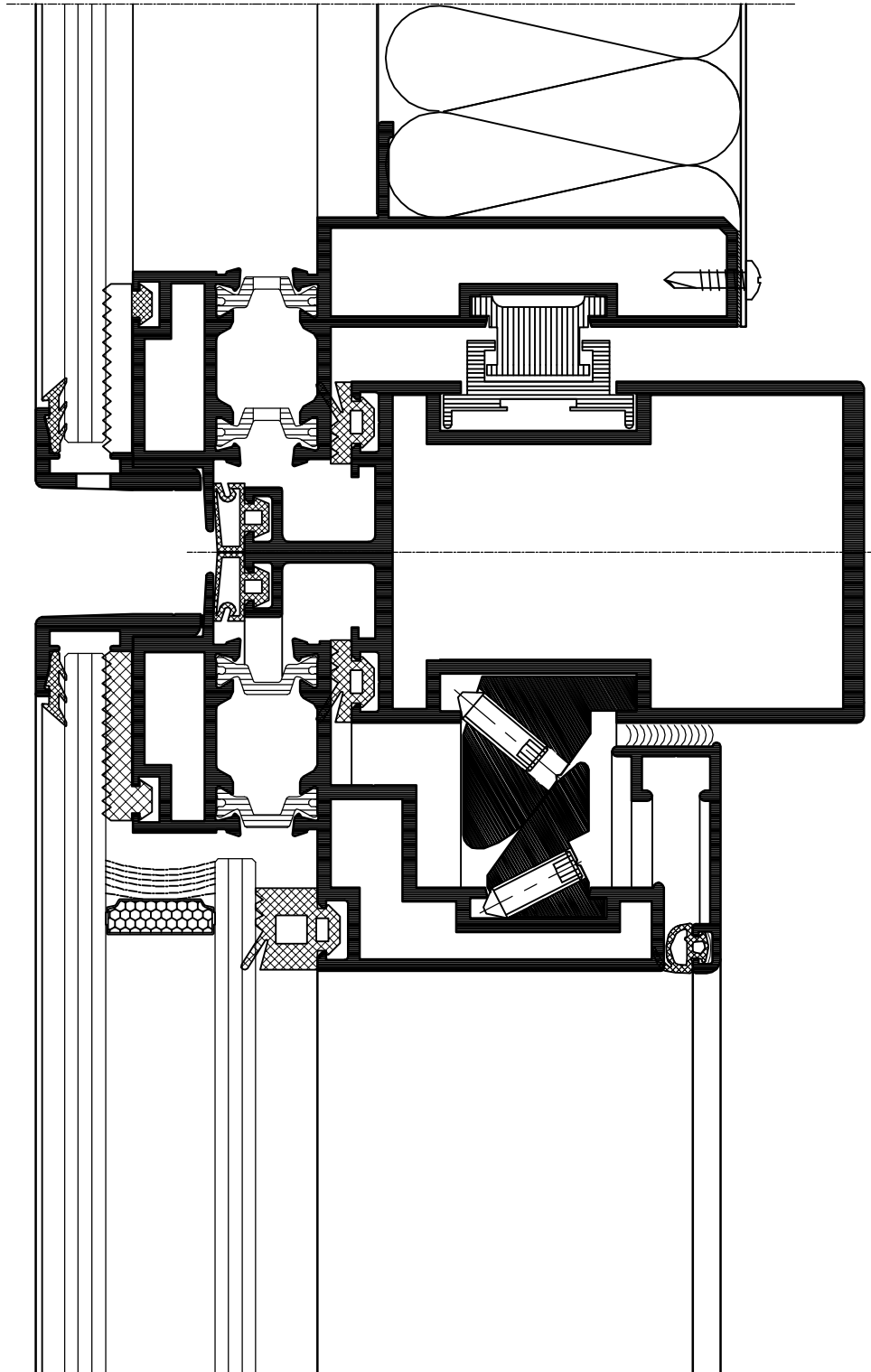
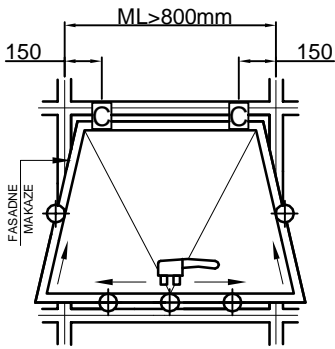
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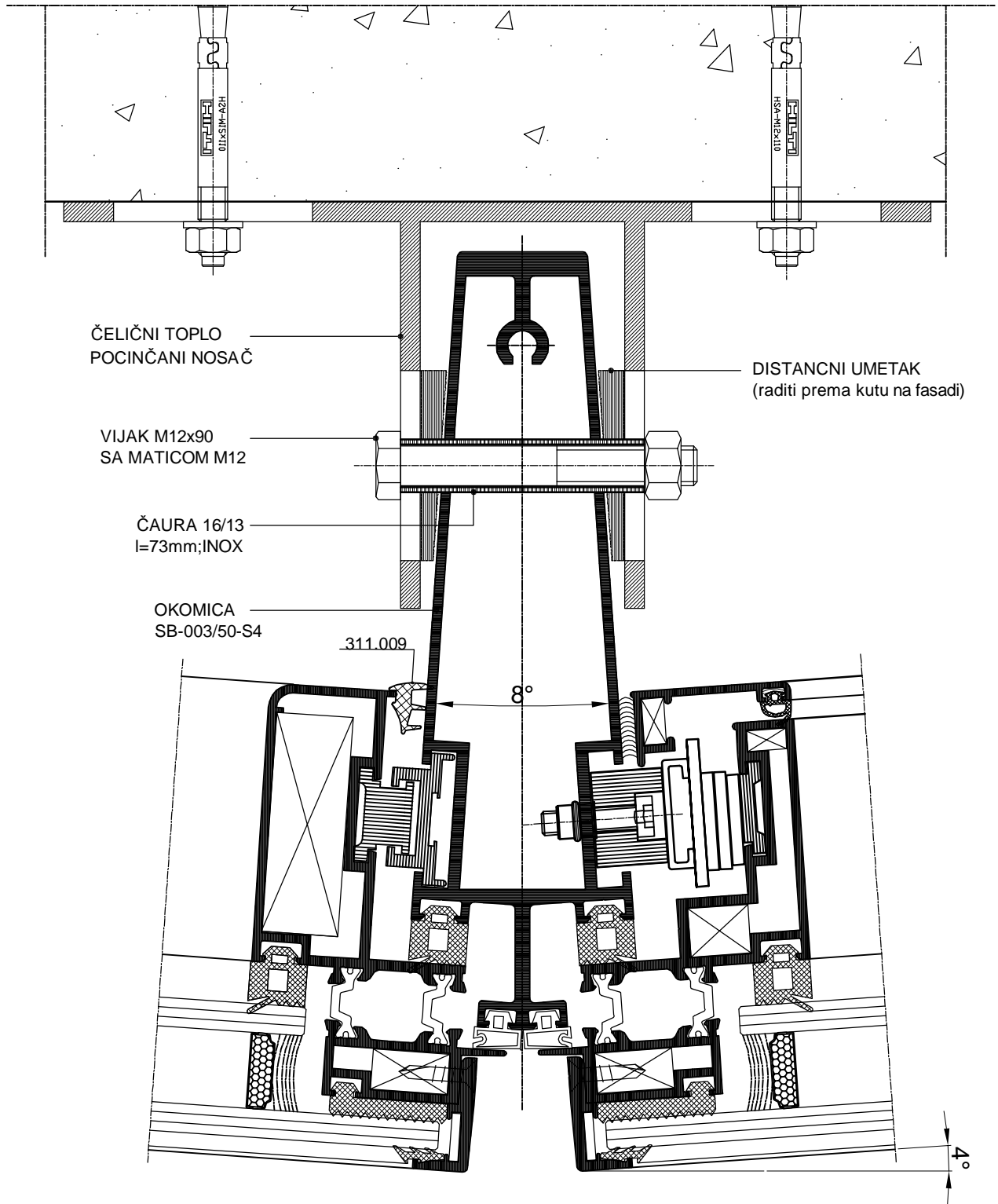


Za kaljeno staklo
kit DC791 d=6mm
za lamistal staklo
kit DC995 d=6mm

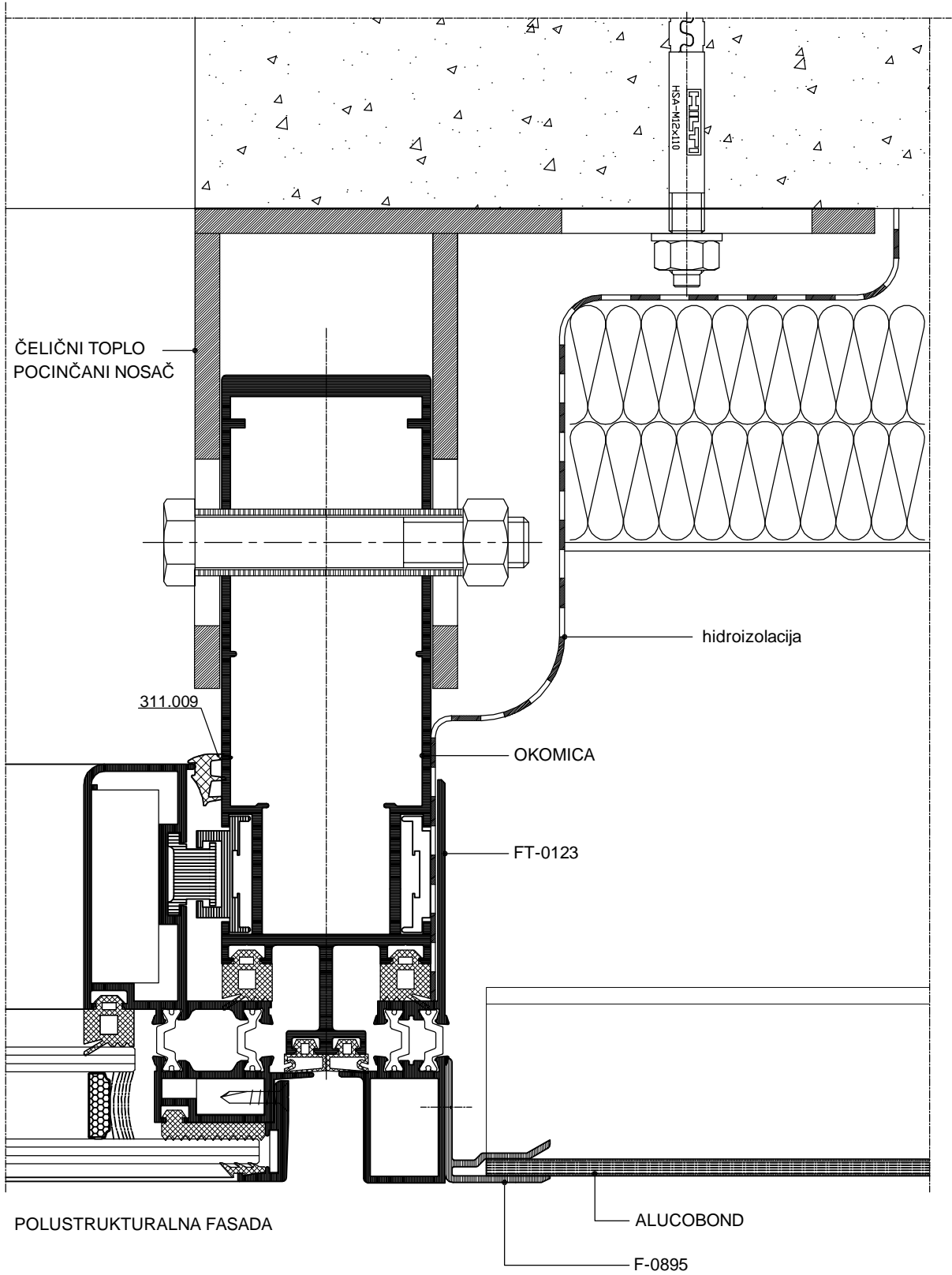


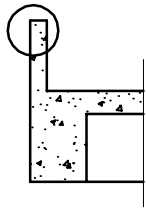




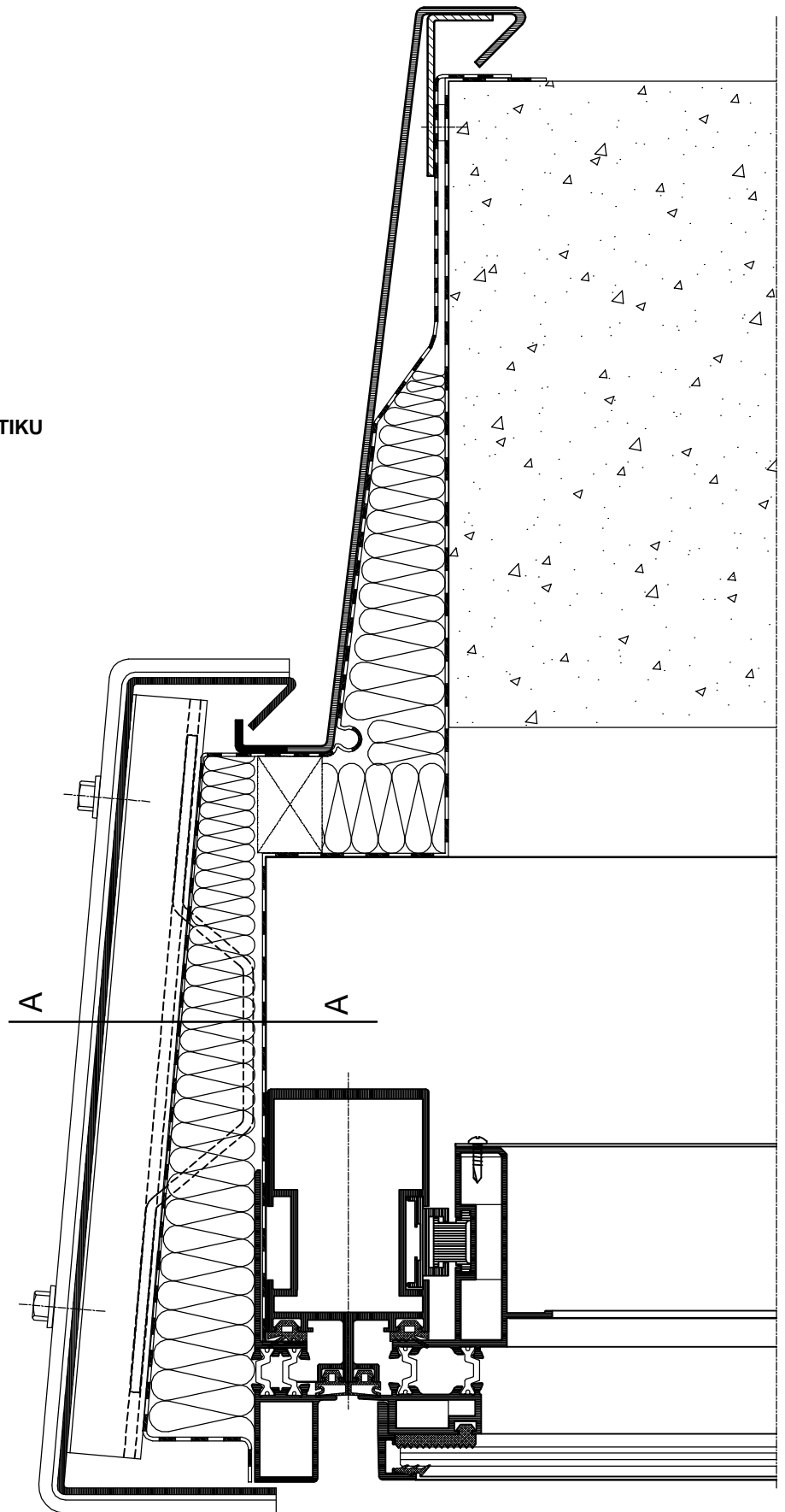
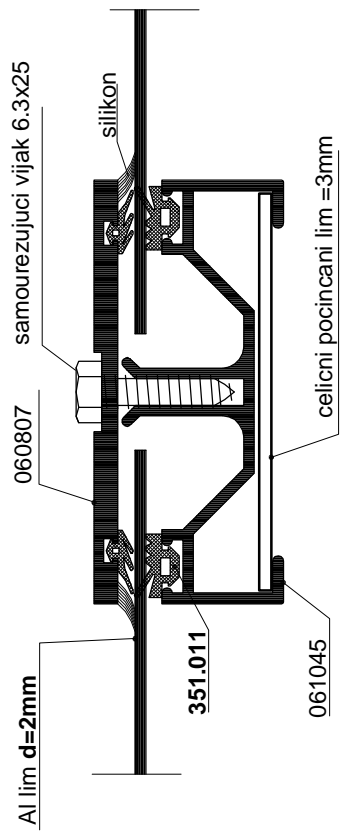


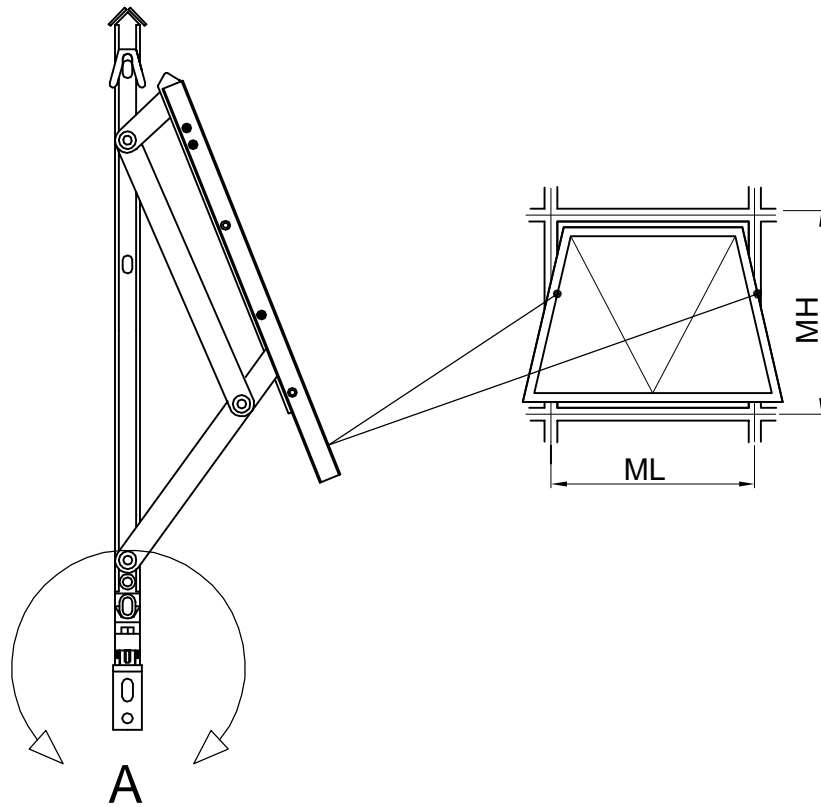
LUČNA FASADA KUT 7-9°





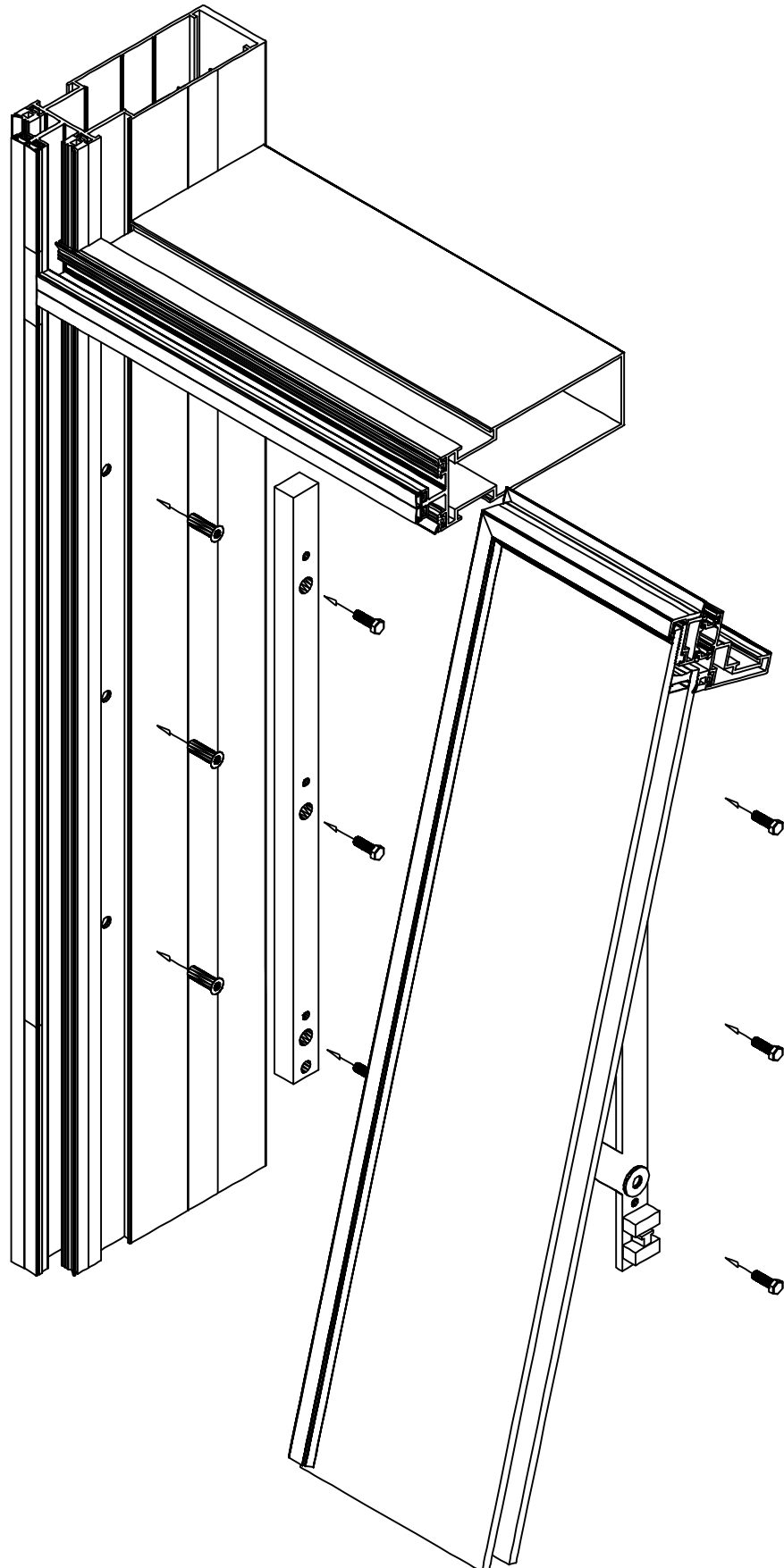
PRESJEK KROZ ATIKU

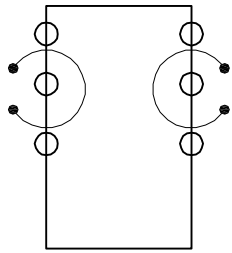




DETALJ - A

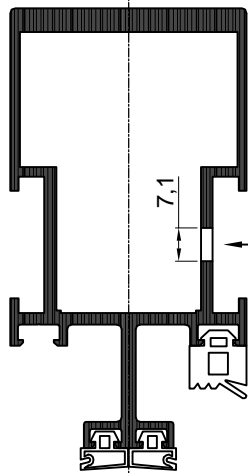






ZA VENTUSE
VANJSKO OTVARANJE

OKOMICA

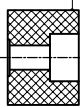


ZAKIVNA MATICA
M5 W-948 poz:1

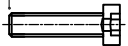


PODMETAČ ZA MAKAZU NA OKOMICI

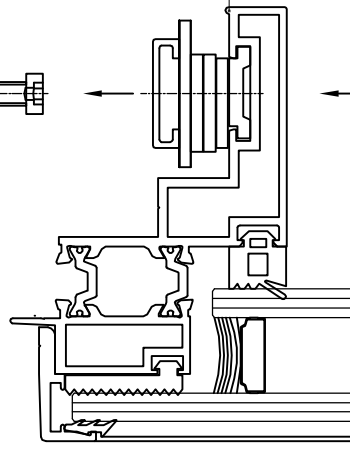
(naručuje se uz makaze
za pol. str. fasadu) poz:2



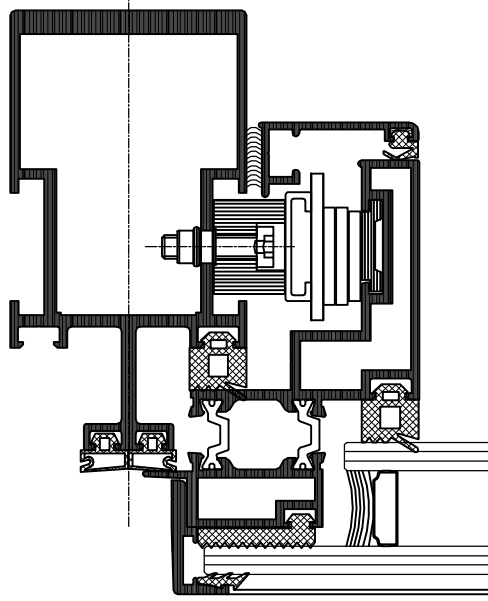
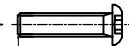
VIJAK M5x20
DIN 912 inox



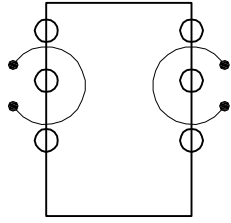
FASADNI VENTUS SA
UGRAĐENIM MAKAZAMA



SIGURNOSNI VIJAK
M5x20 W-284 inox



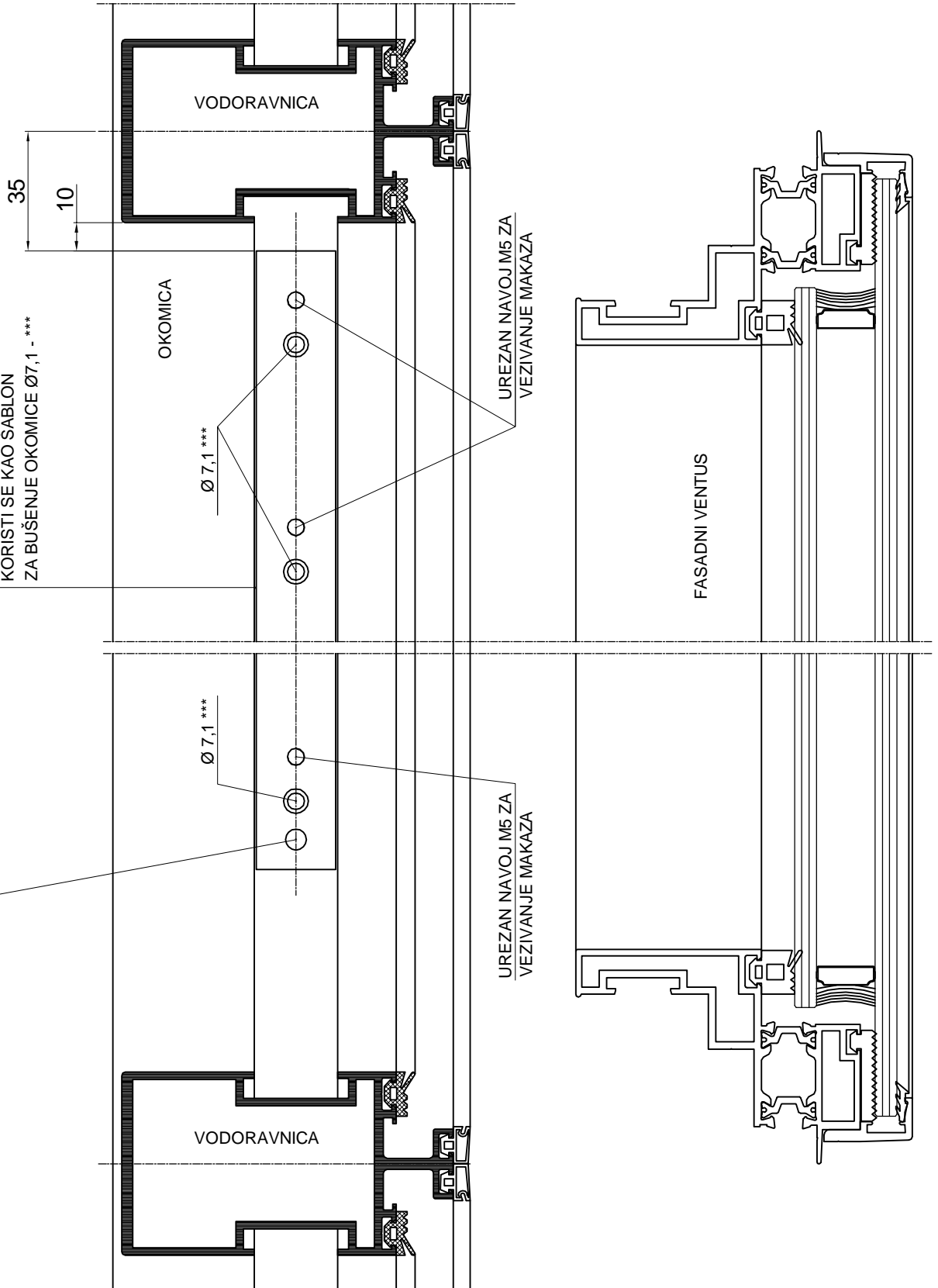
- OKOMICA SE BUŠI Ø7,1mm PO ŠABLONU (poz:2) ZA UGRADNJU ZAKIVNIH MATICE (poz:1) PRIJE UGRADNJE OKOMICA
- PODMETAČ OKOMICE poz:2 SE SPAJA ZA OKOMICU VIJKOM M5x20 KROZ ZAKIVNE MATICE
- OSTAKLJENI FASADNI VENTUS SA UGRAĐENIM MAKAZAMA SE U OTVORENOM POLOŽAJU MAKAZA SPAJA SIGURNOSNIM VIJCIMA ZA VEĆ MONTIRANI PODMETAČ OKOMICE
- FINO PODRŠAVANJE SE IZVODI VIJKOM M5x25 UGRAĐENIM U DONJEM DIJELU MAKAZA.

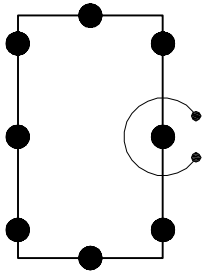


ZA VENTUSE
VANJSKO OTVARANJE

PODMIETAČ OKOMICE
(naručuje se uz makaze
za pol. str. fasadu) ,poz:2
KORISTI SE KAO ŠABLON
ZA BUŠENJE OKOMICE Ø7,1 - ***

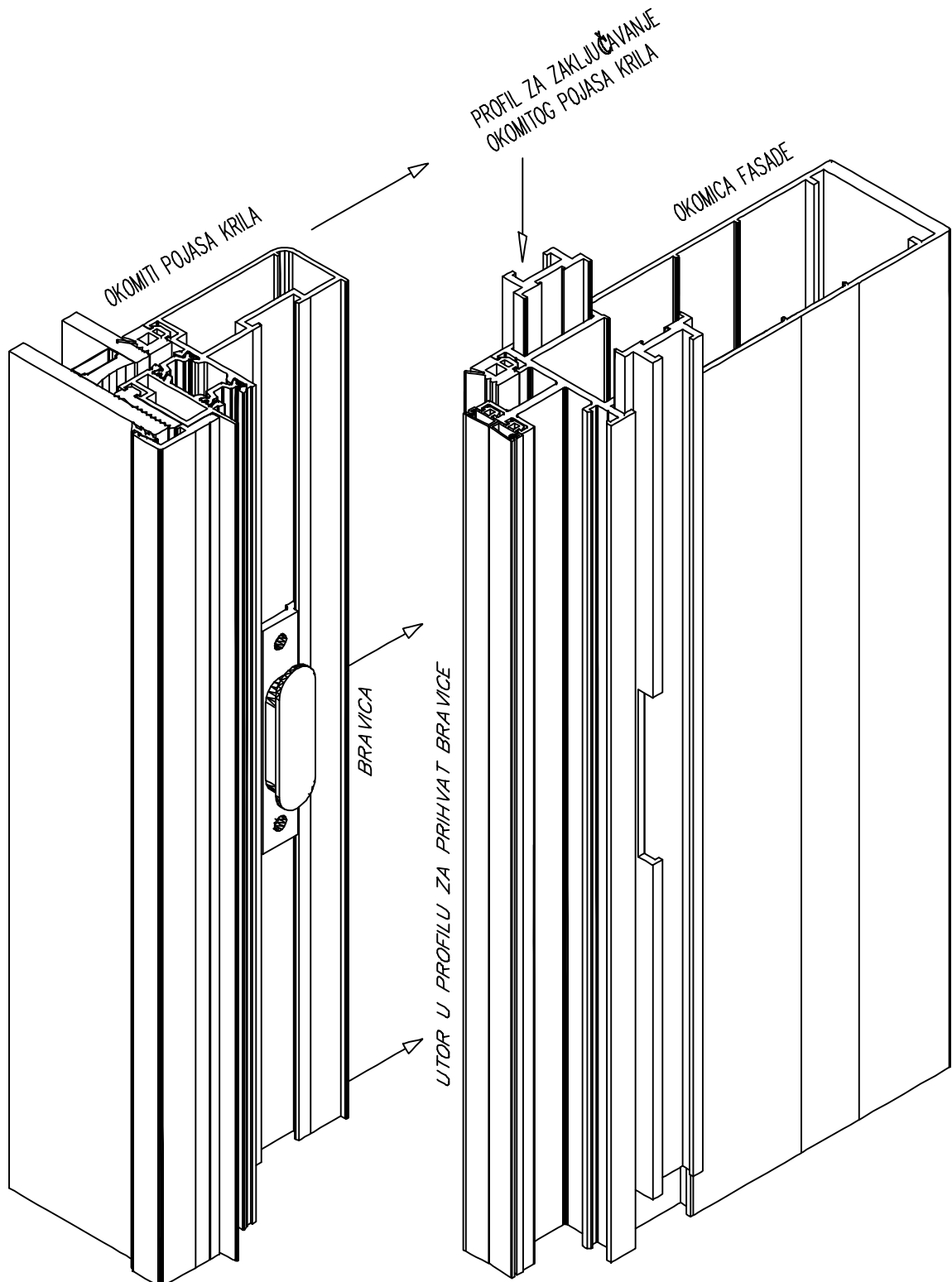
OTVOR U PODMIETAČU OKOMICE ZA
PRIHVAT DODATKA MAKAZA ZA
FINO PODEŠAVANJE VENTUSA

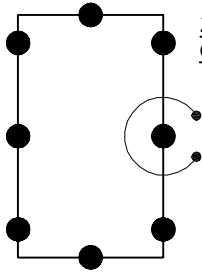




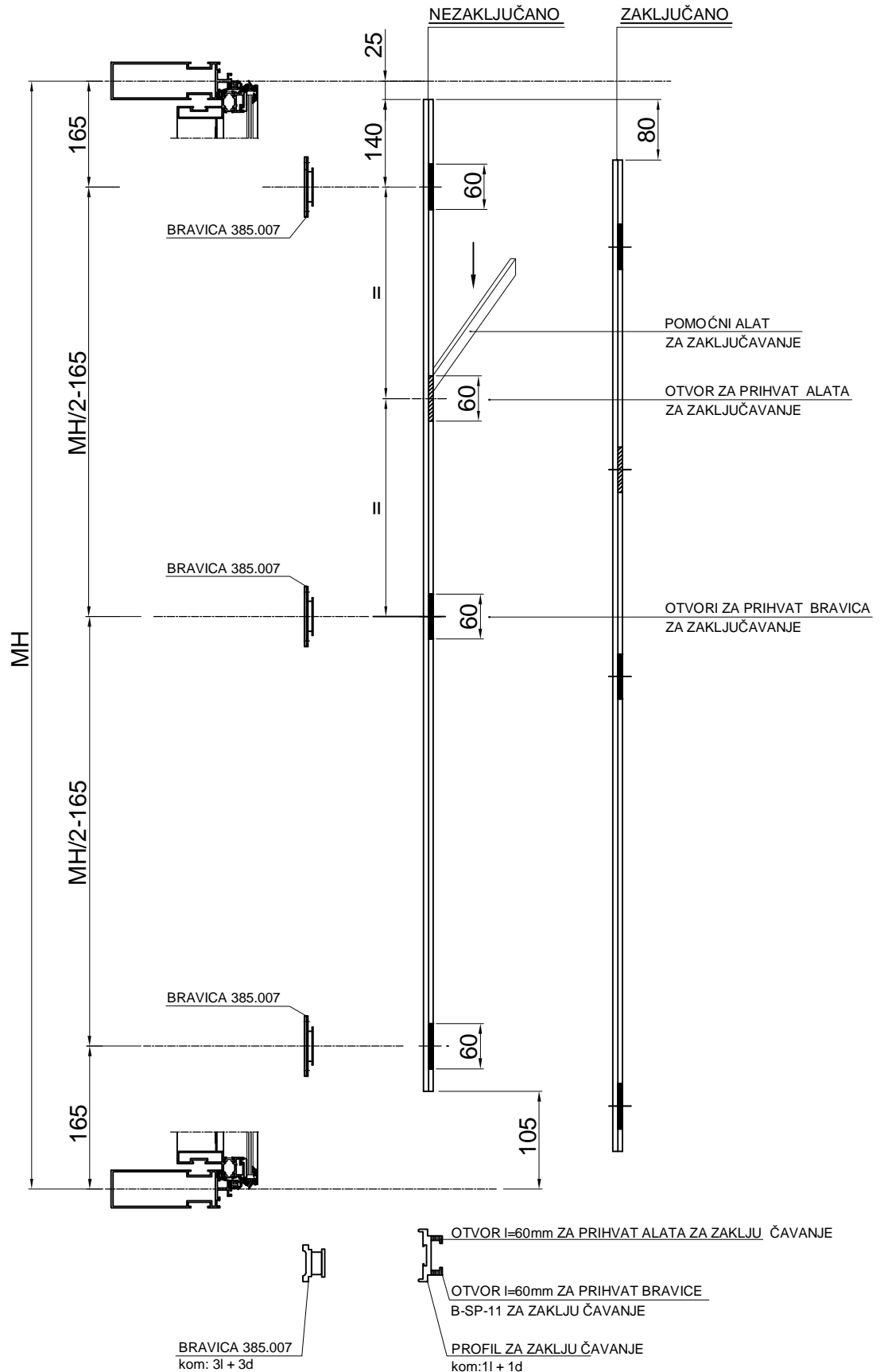
— ZA FIKSNE ILI PARAPETNE OKVIROVE FASADE

- BRAVICE ZA ZAKLJUČAVANJE NA OKOMITOM I VODORAVNOM POJASU KRILA OSTAKLJENOG FIKSNOG ILI PARAPETNOG DIJELA FASADE SE UMETNU KROZ UTORE U PROFIL ZA ZAKLJUČAVANJE (PRETHODNO OBRADJEN I MONTIRAN U OKOMICU I VODORAVNICU).
- VERTIKALNIM POMJERANJEM PROFILA ZA ZAKLJUČAVANJE PREMA DOLJE U OKOMICI OKVIR JE ZAKLJUČAN.
- BRAVICE NA VODORAVNOM POJASU OKVIRA SE ZAKLJUČAVAJU POMJERANJEM PROFILA ZA ZAKLJUČAVANJE $l=200\text{mm}$ LIJEVO ILI DESNO U VODORAVNICAMA FASADE .



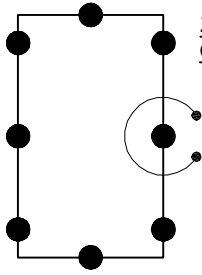


ZA FIKSNE ILI PARAPETNE
OKVIROVE FASADE



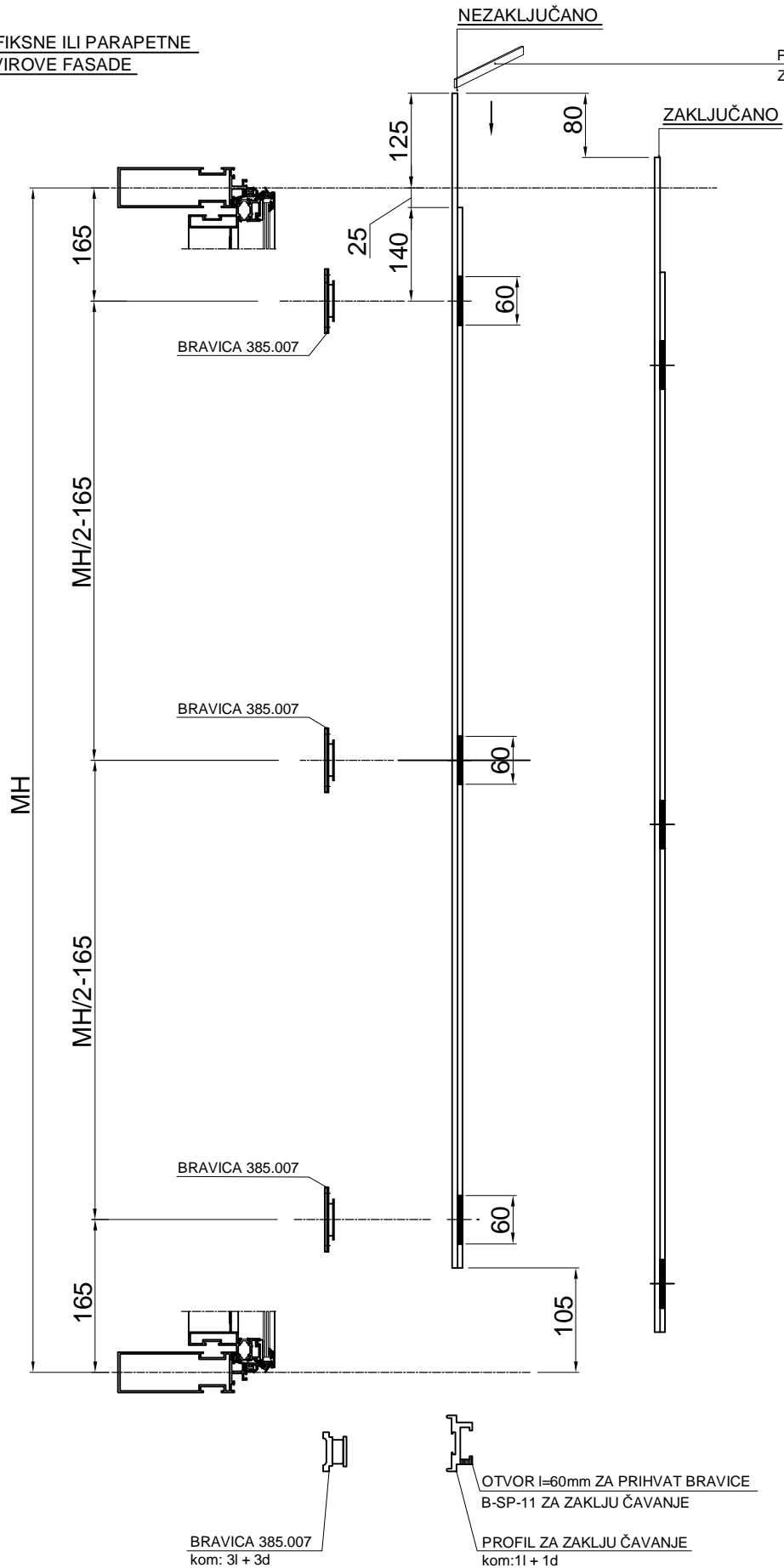
— VERTIKALNIM POMJERANJEM PROFILA ZA ZAKLJUČAVANJE PREMA DOLJE (~80mm) U OKOMICI OKVIR JE ZAKLJUČAN.

— OVAKAV NAČIN MONTAŽE JE PRIMJENLJIV UKOLIKO IZA PARAPETNIH OKVIROVA FASADE NEMA BETONSKOG PLATNA



ZA FIKSNE ILI PARAPETNE
OKVIROVE FASADE

POMOĆNI ALAT
ZA ZAKLJUČAVANJE



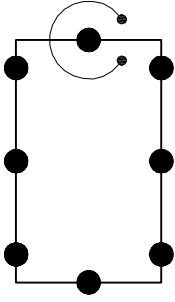
BRAVICA 385.007
kom: 3l + 3d

OTVOR l=60mm ZA PRIHVAT BRAVICE
B-SP-11 ZA ZAKLJUČAVANJE

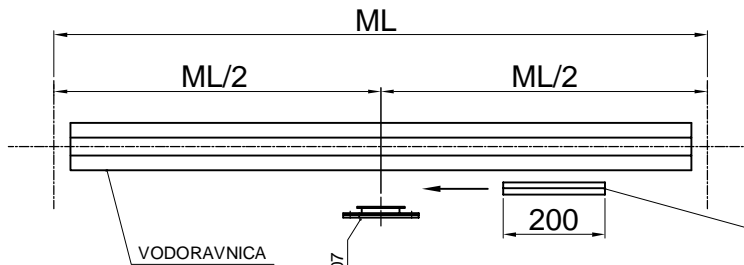
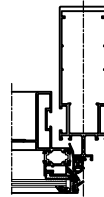
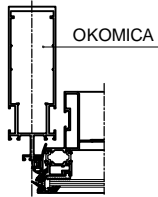
PROFIL ZA ZAKLJUČAVANJE
kom: 1l + 1d

— VERTIKALNIM POMJERANJEM PROFILA ZA ZAKLJUČAVANJE PREMA DOLJE (~80mm) U OKOMICI OKVIR JE ZAKLJUČAN.

— OVAKAV NAČIN MONTAŽE JE PRIMJENLJIV UKOLIKO IZA PARAPETNIH OKVIROVA FASADE POSTOJE BETONSKA PLATNA



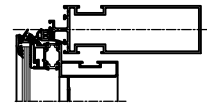
ZA FIKSNE ILI PARAPETNE OKVIROVE FASADE



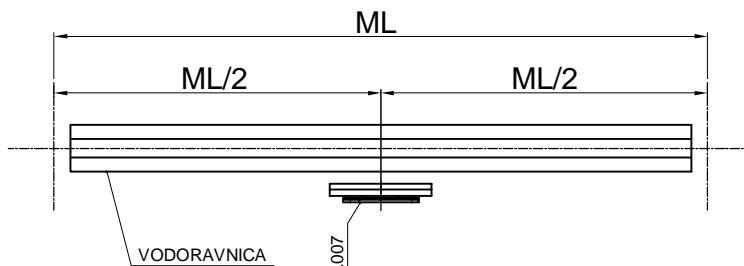
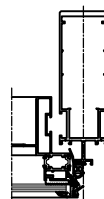
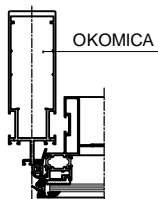
VODORAVNICA

BRAVICA 385.007

NEZAKLJUČANO



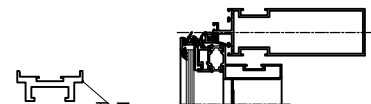
PROFIL ZA ZAKLJUČAVANJE
kom: 1d + 1g



VODORAVNICA

BRAVICA 385.007

ZAKLJUČANO

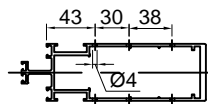
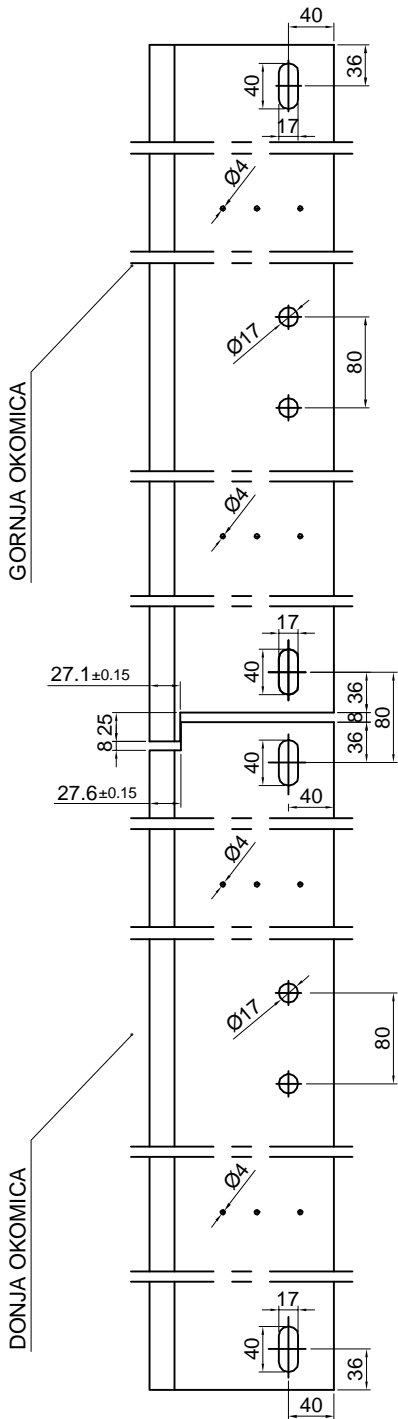


PROFIL ZA ZAKLJUČAVANJE
kom: 1d + 1g

— VODORAVNIM POMJERANJEM PROFILA ZA ZAKLJUČAVANJE U VODORAVNICI OKVIR JE ZAKLJUČAN KAD PROFIL ZA ZAKLJUČAVANJE OBRGLI BRAVICU 385.007.

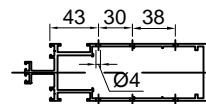
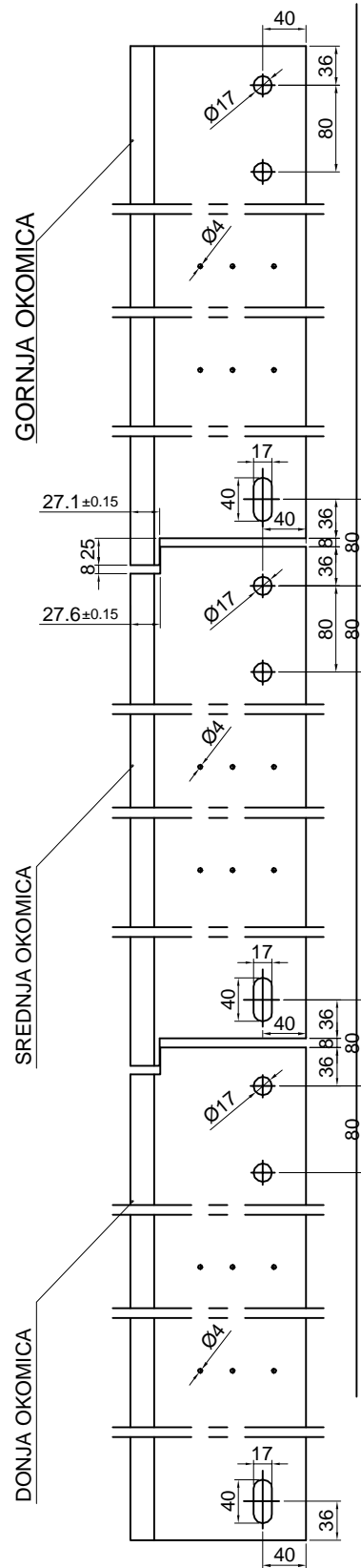
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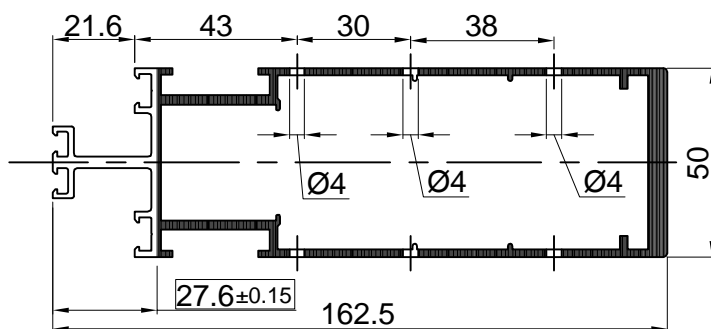
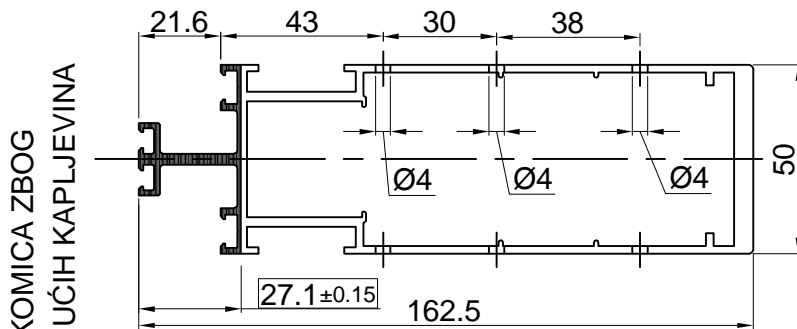
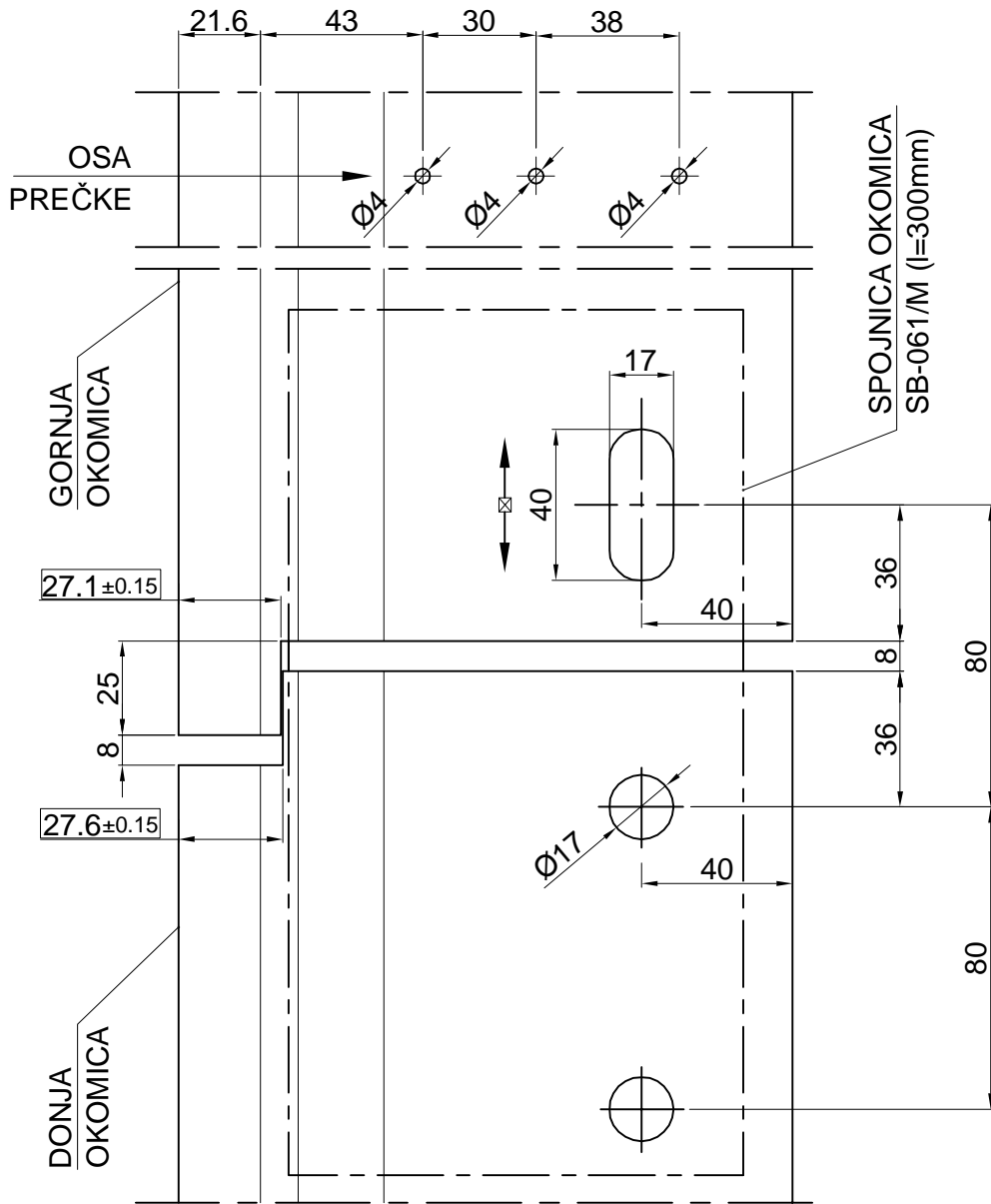
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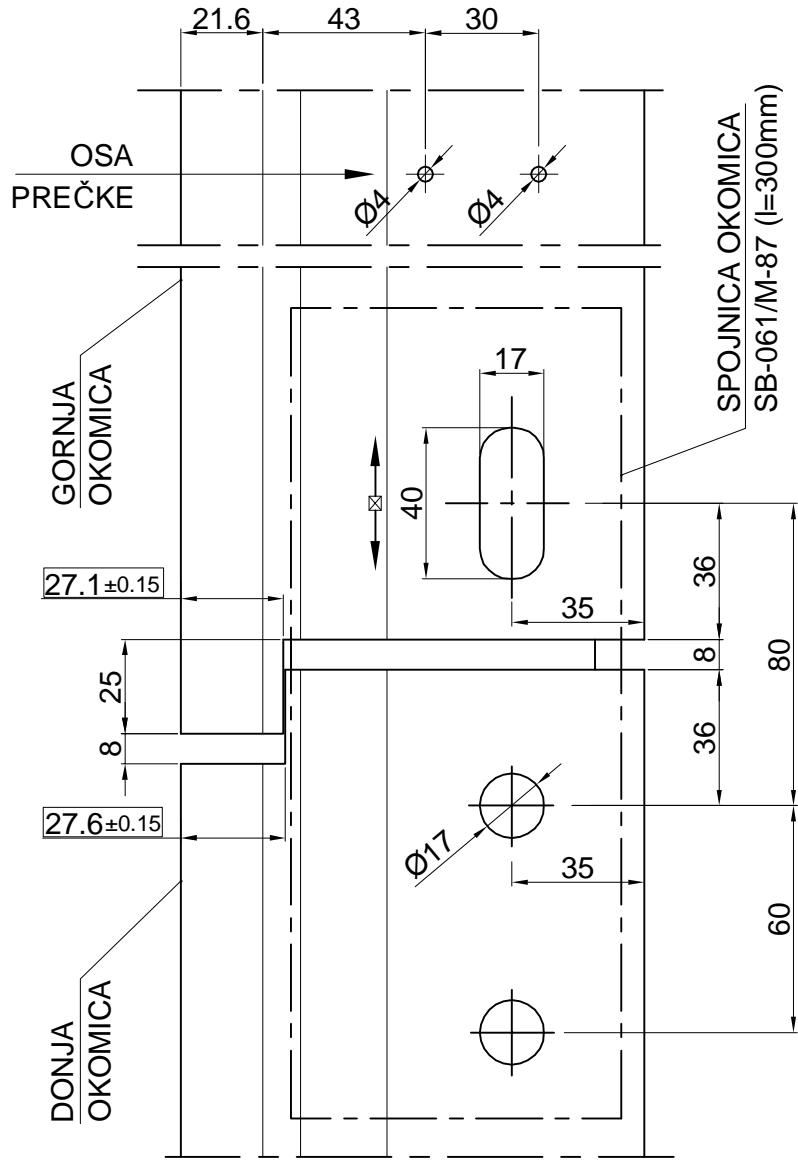


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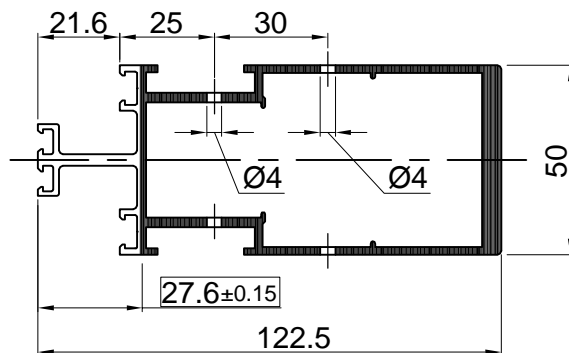
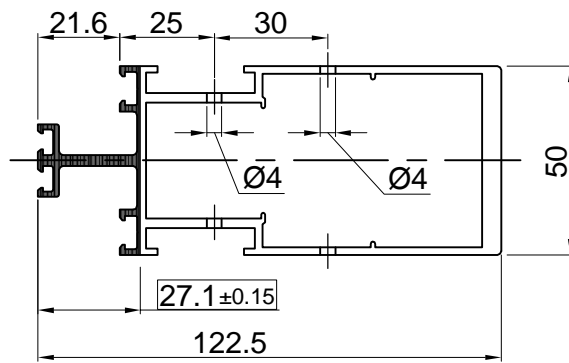
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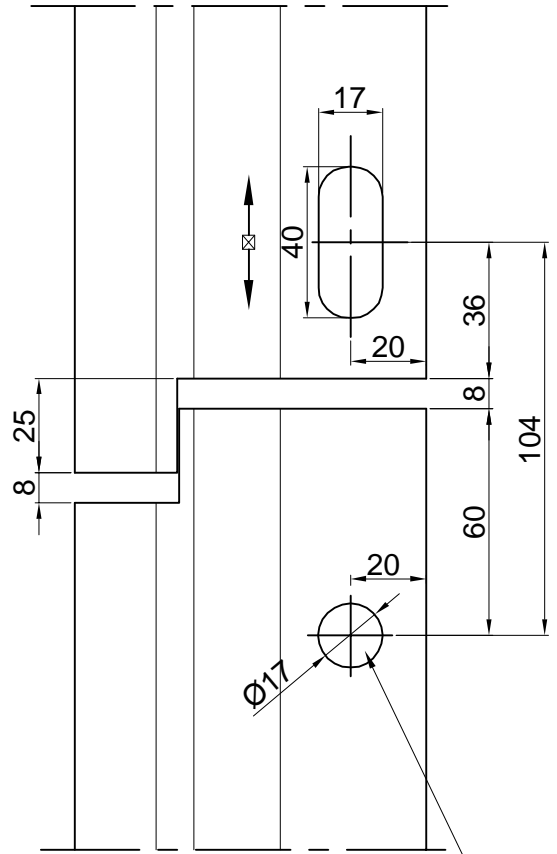
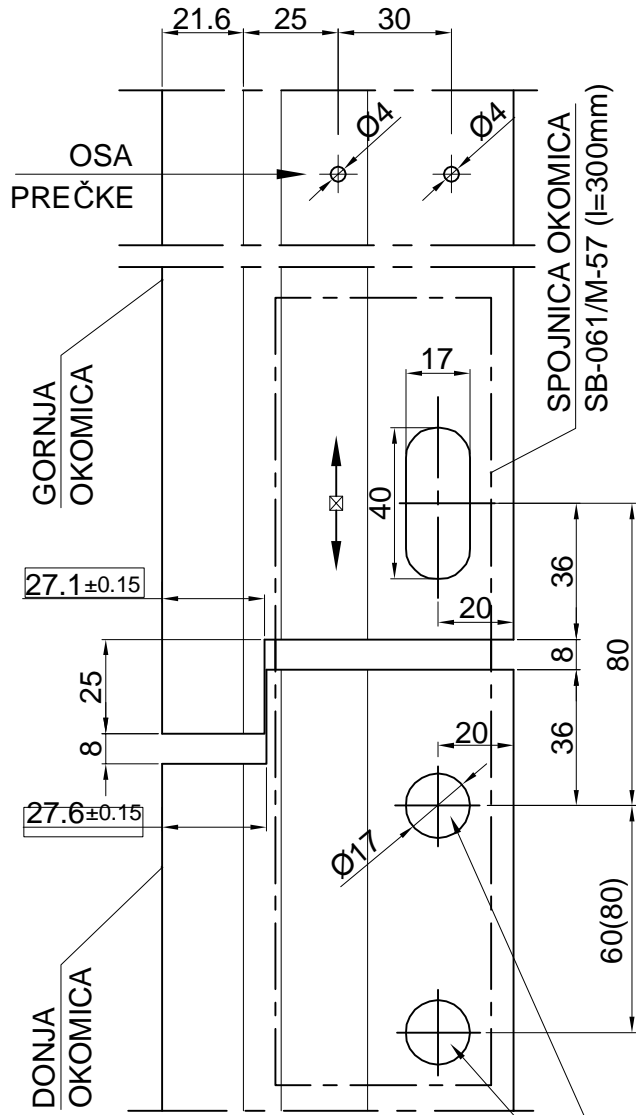




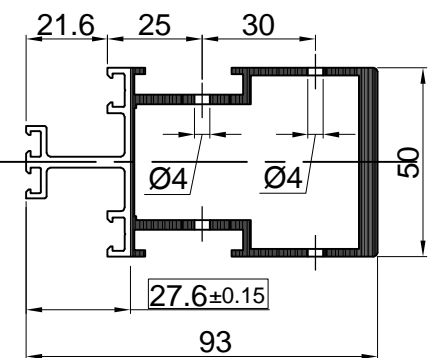
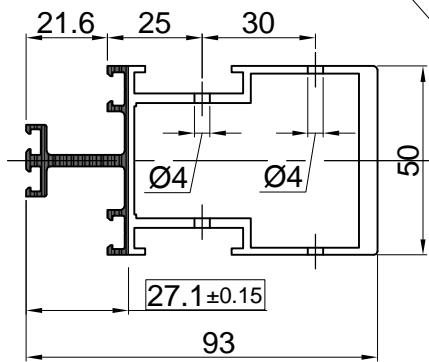


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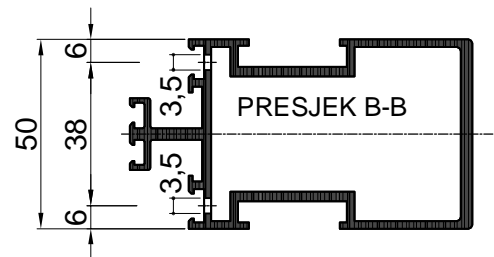
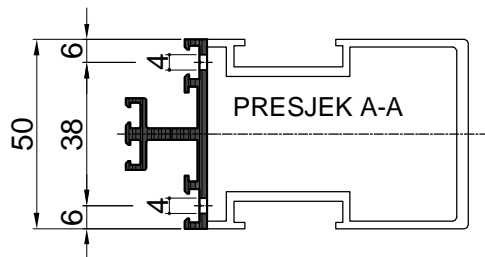
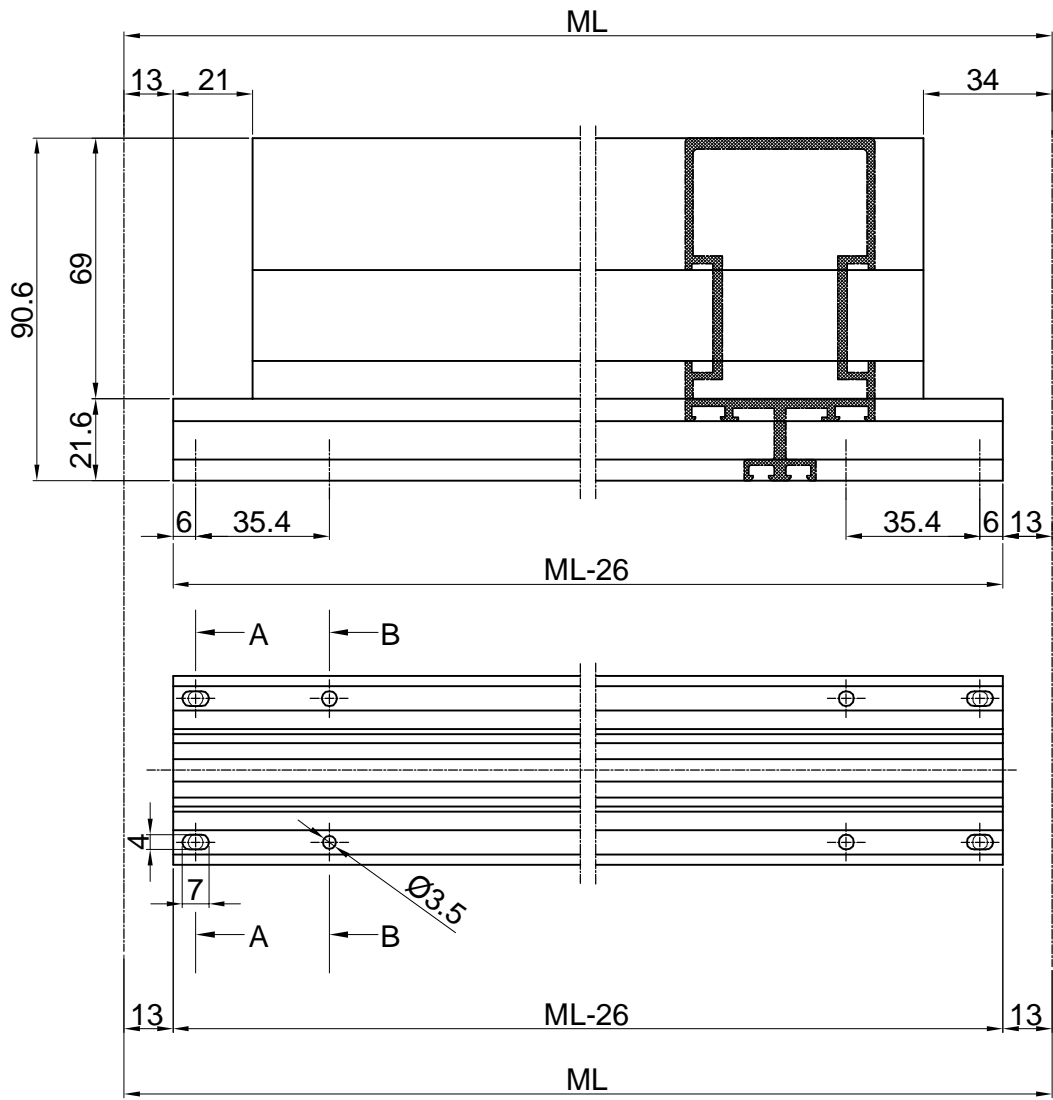


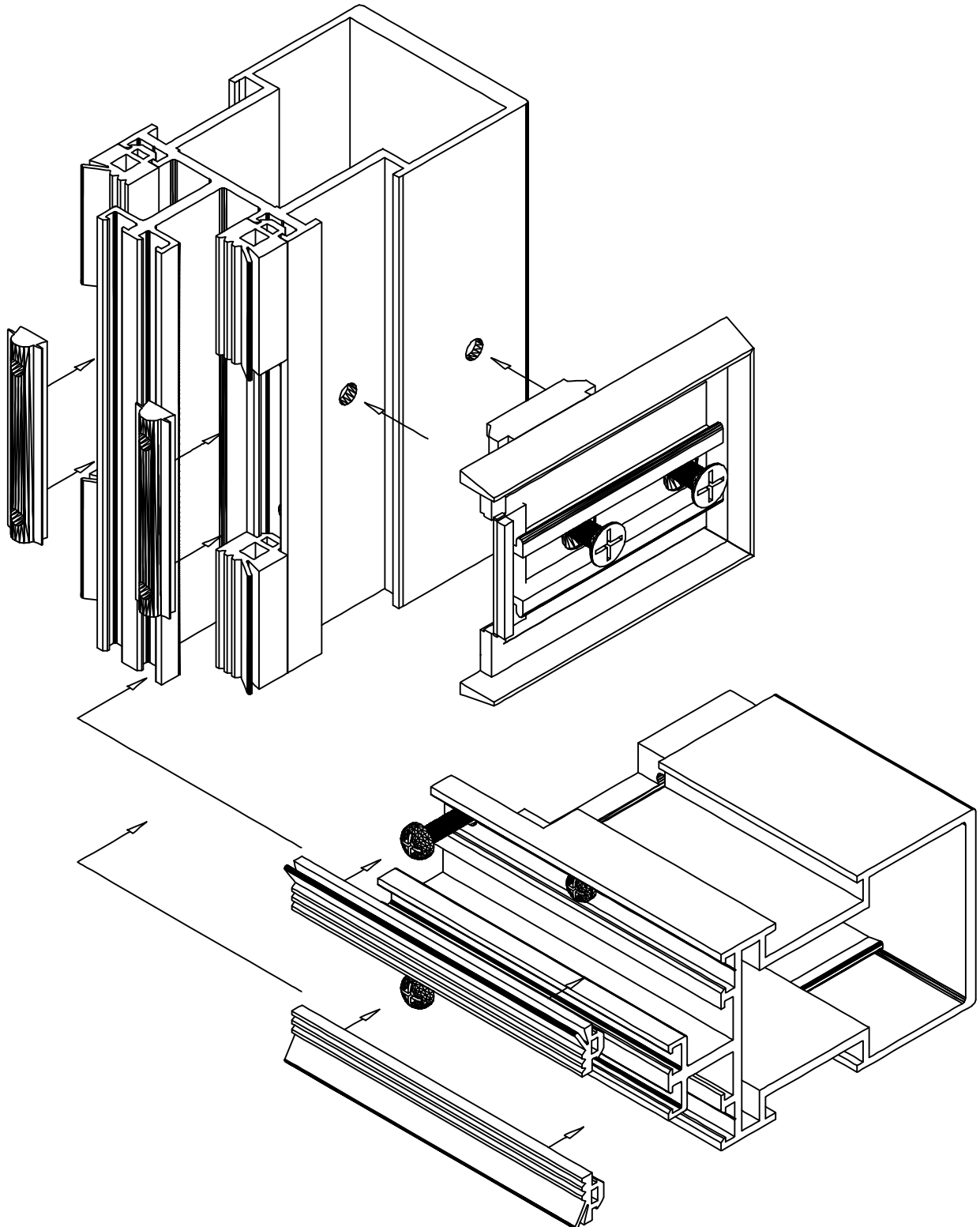
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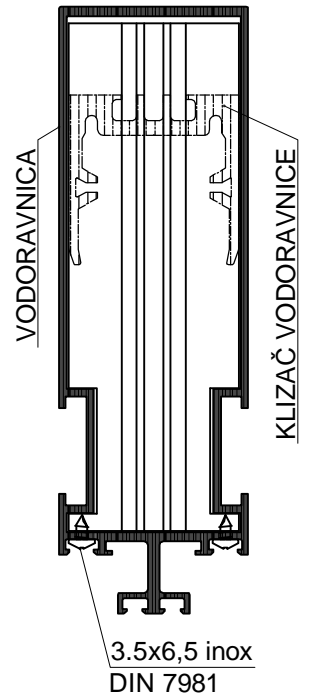
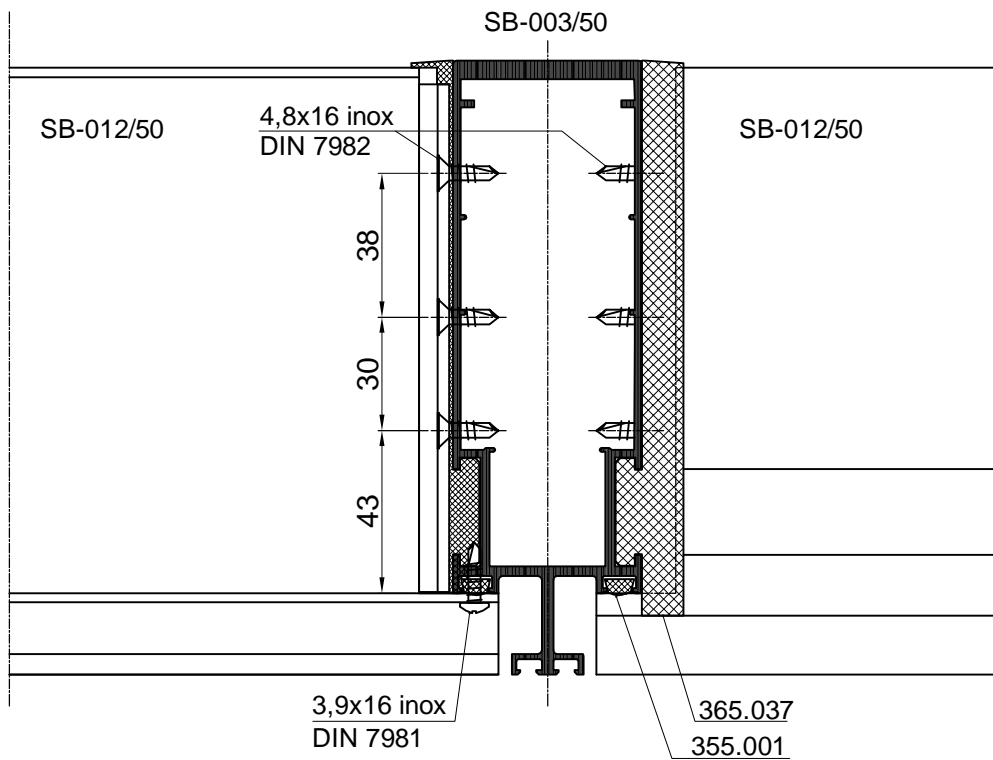
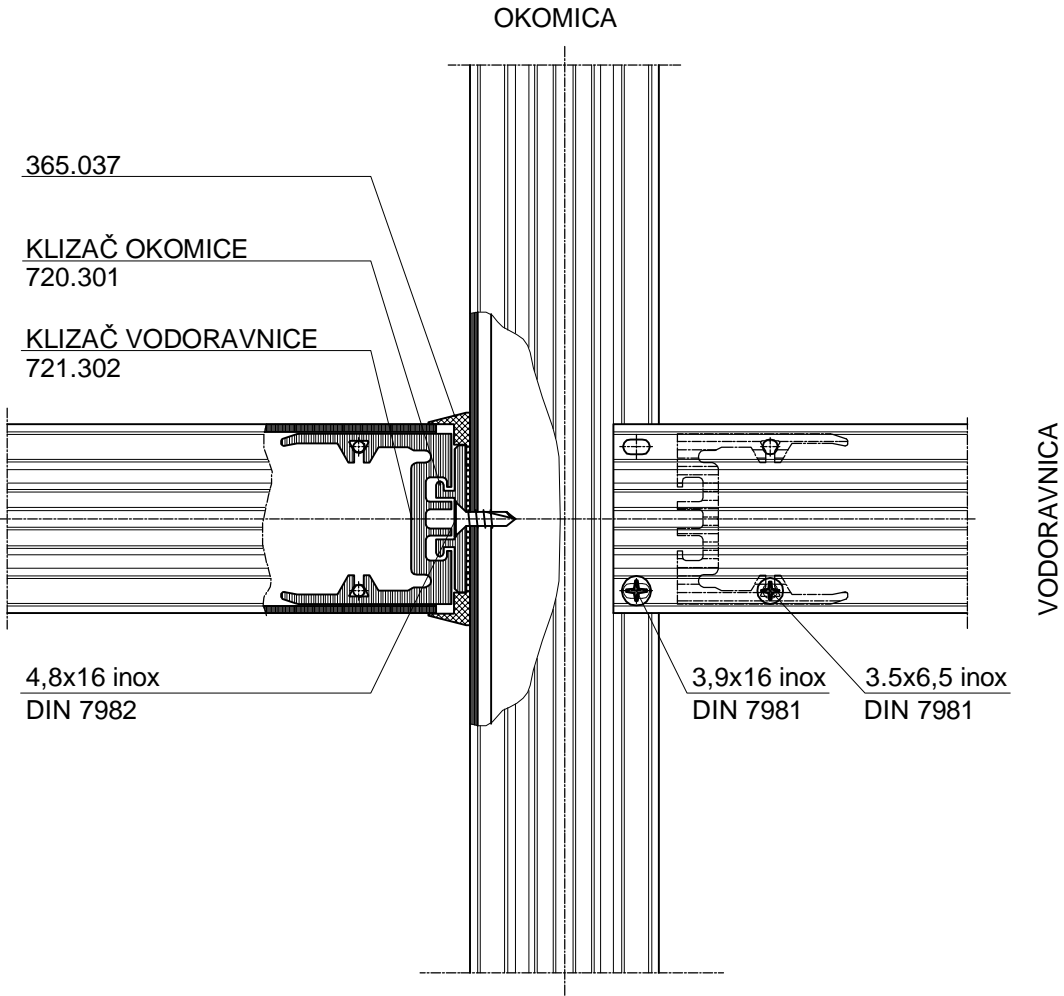


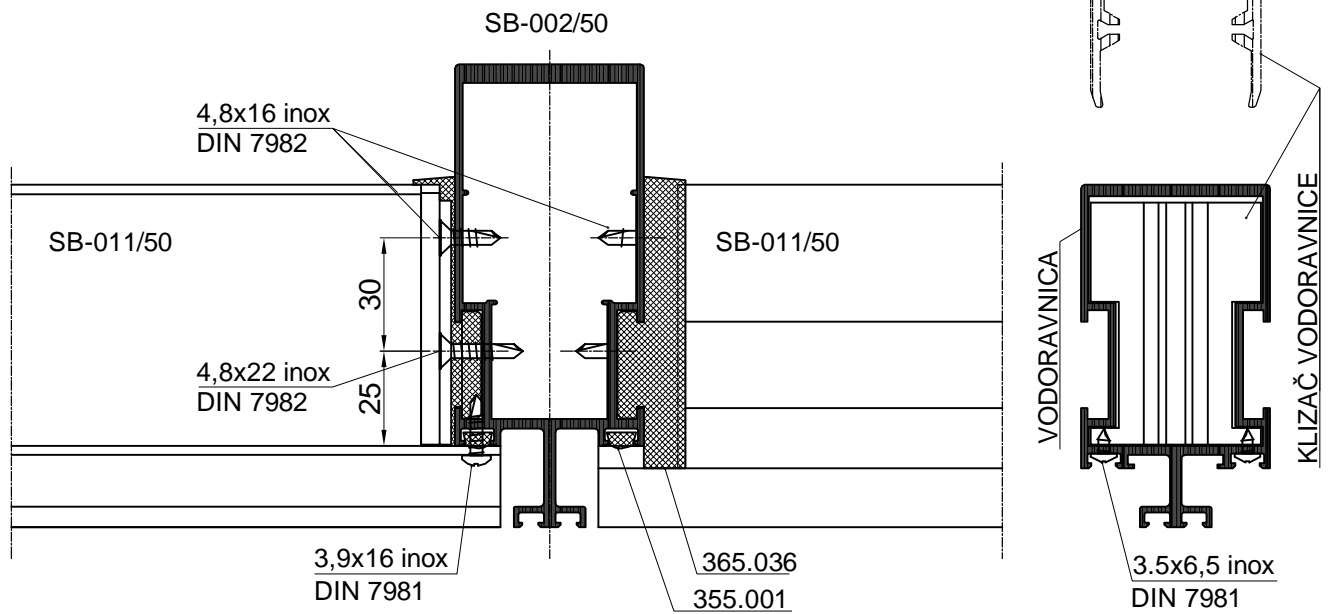
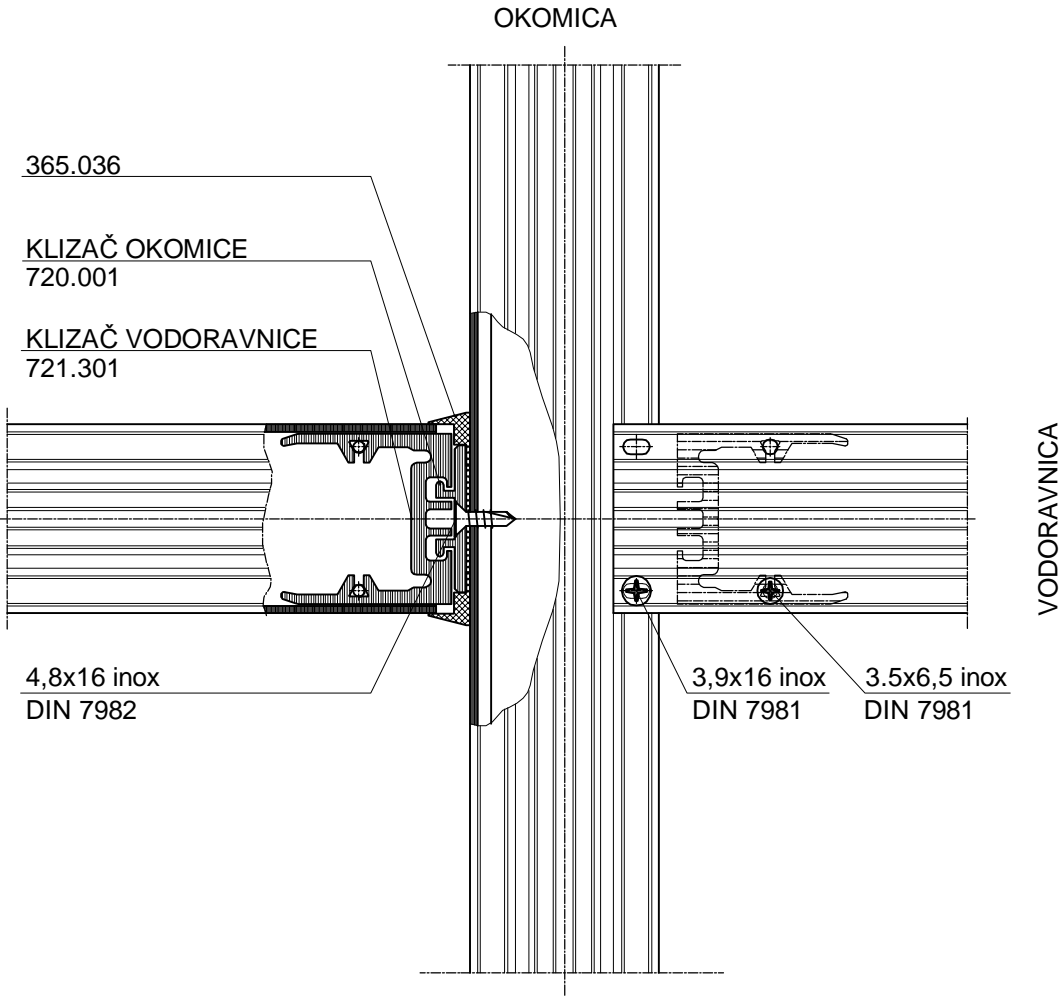
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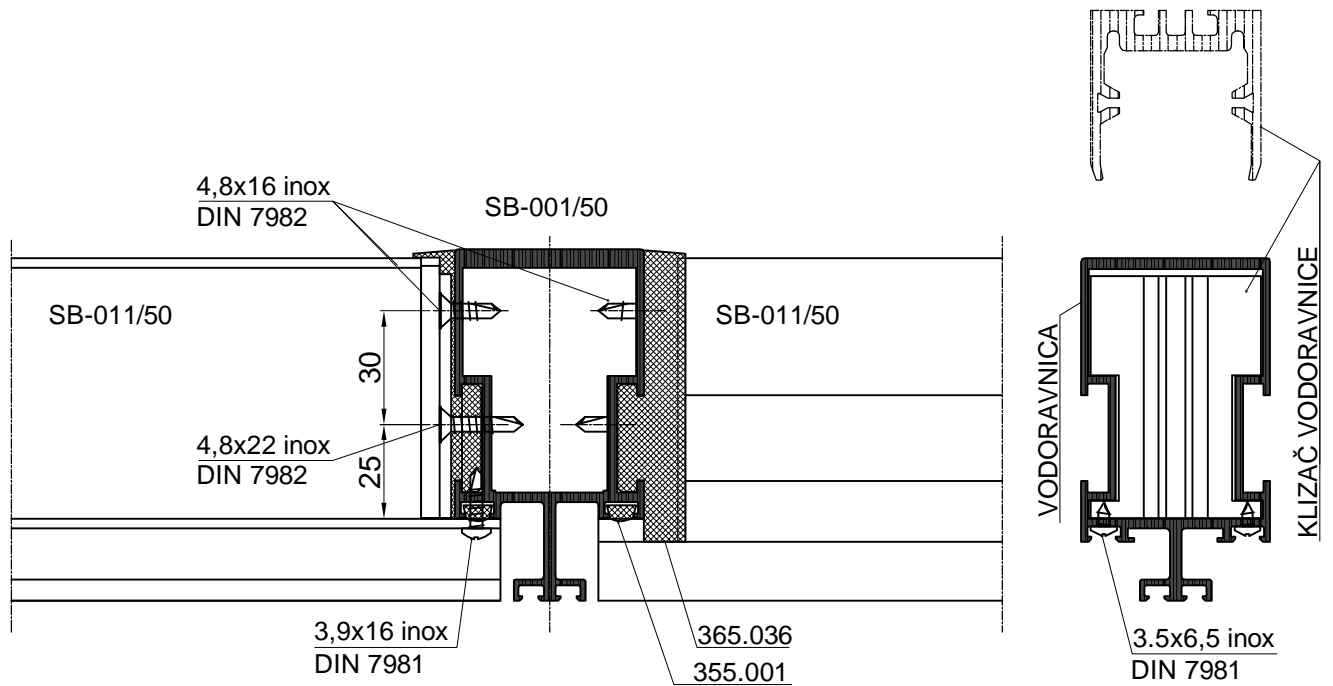
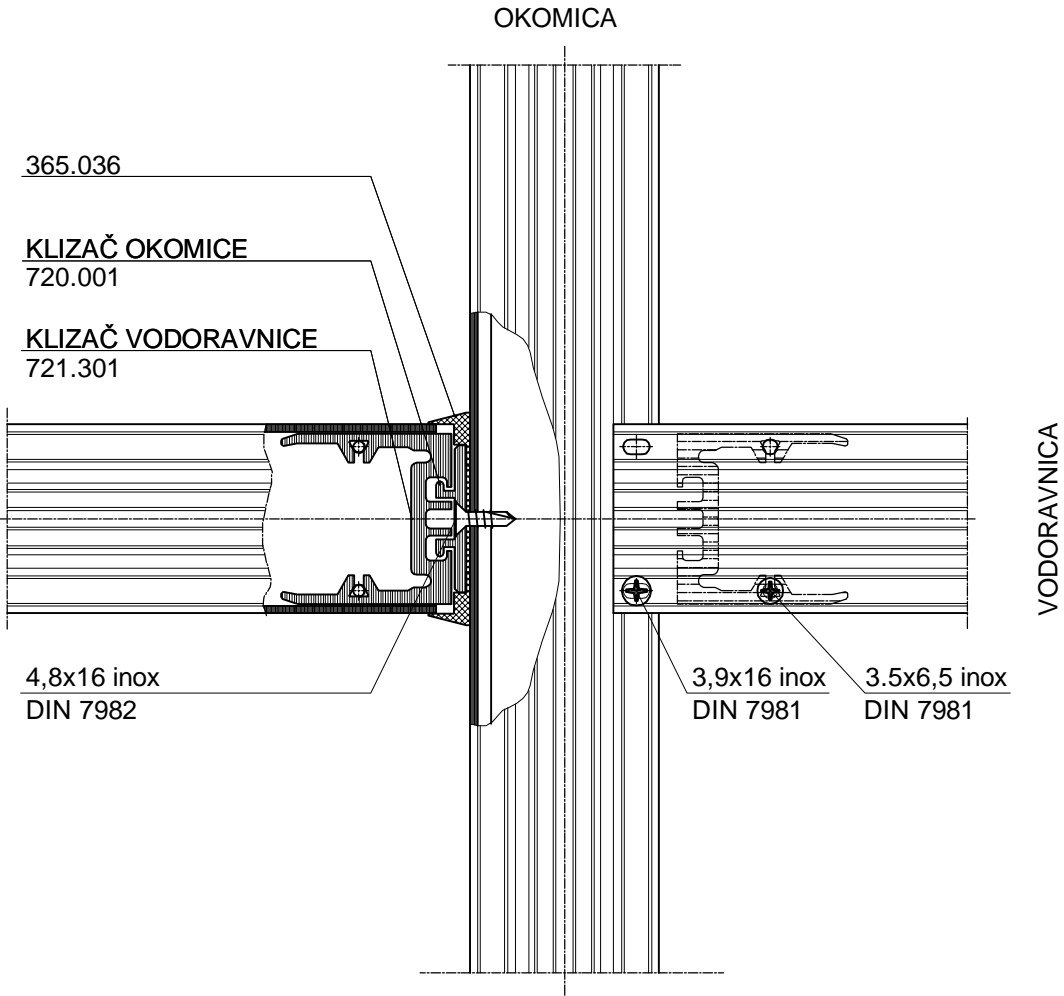
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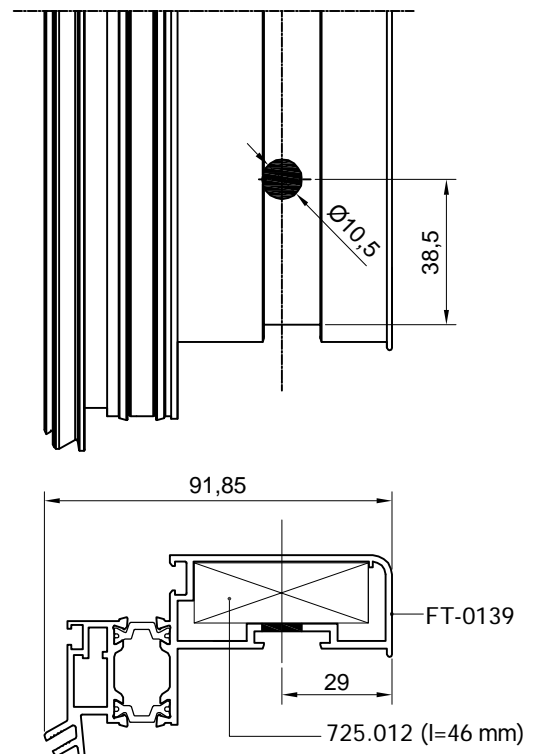
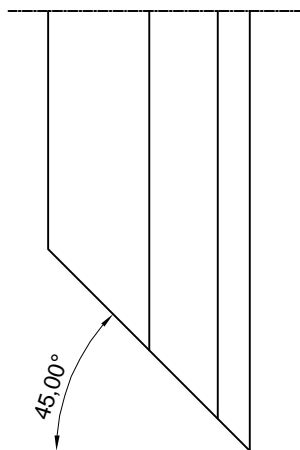
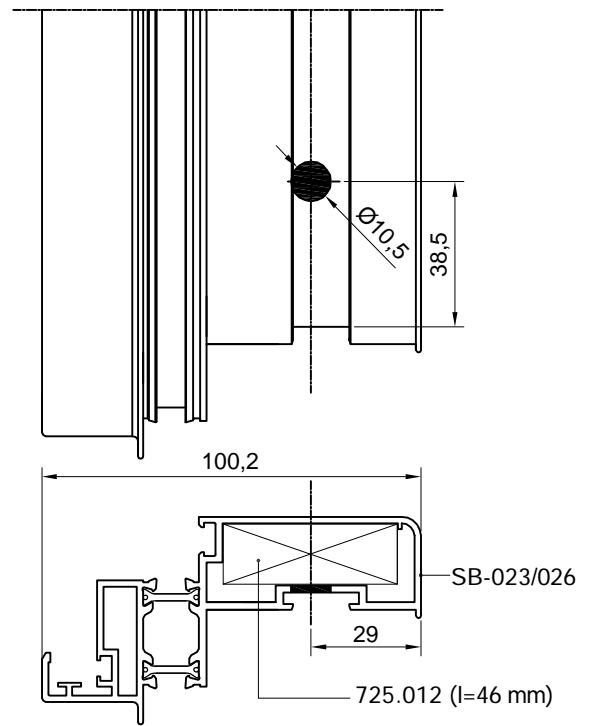
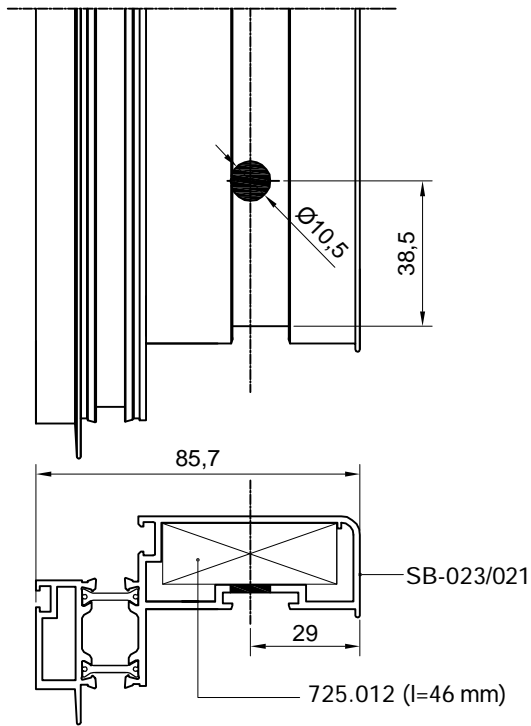




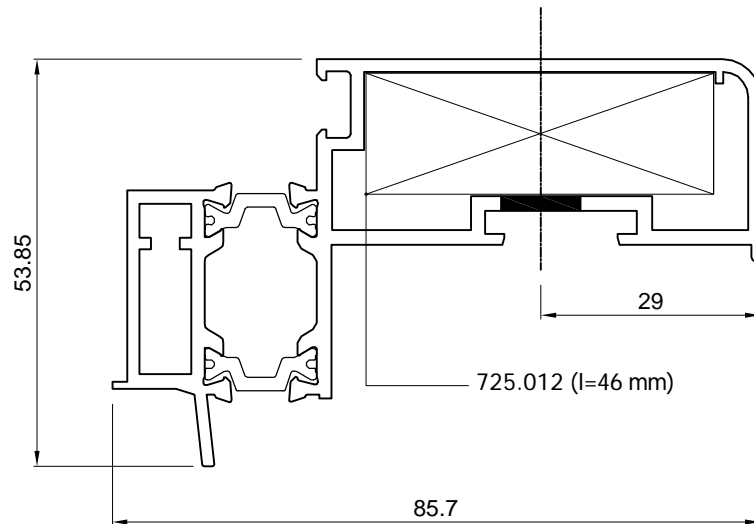
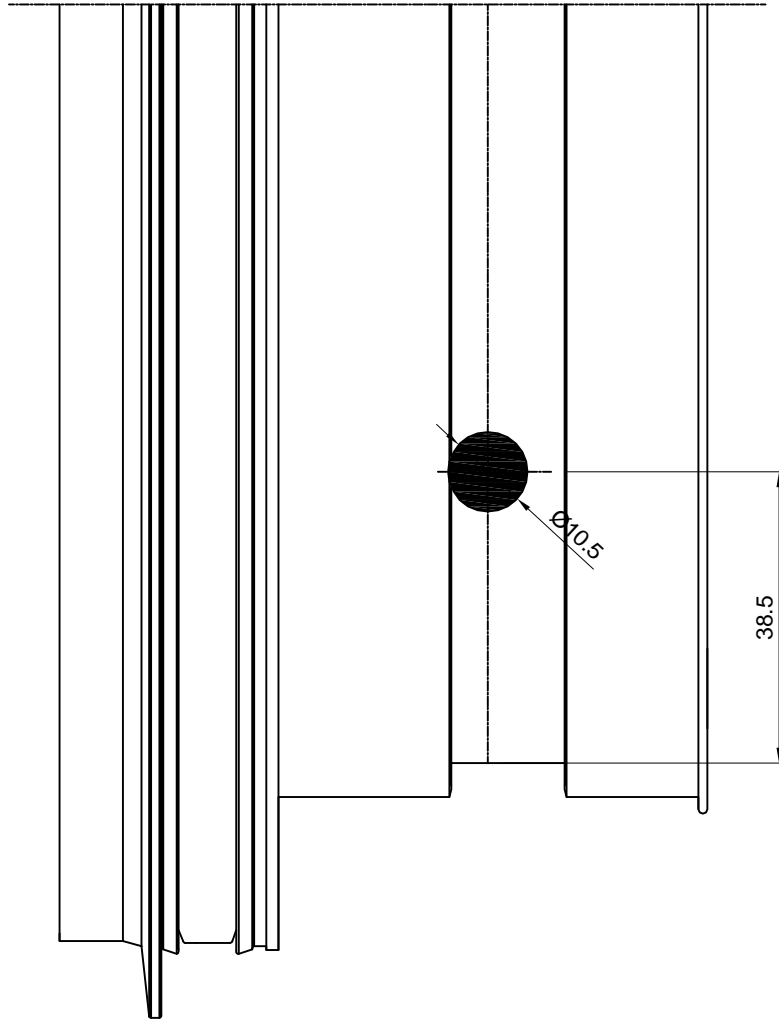




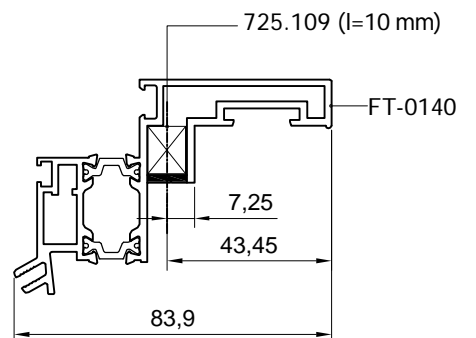
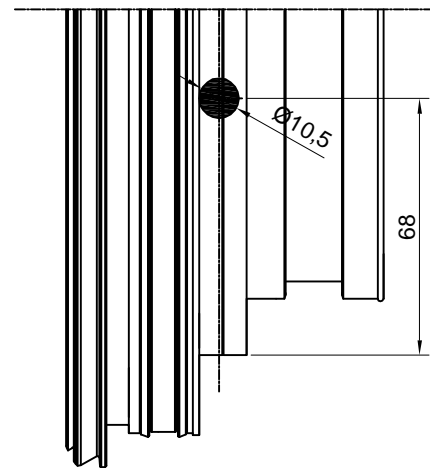
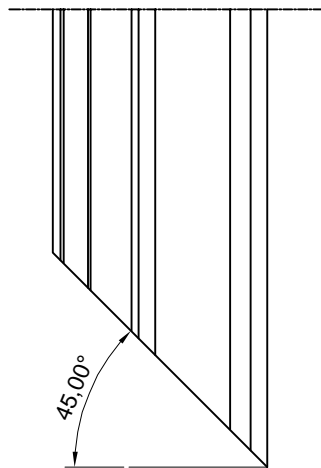
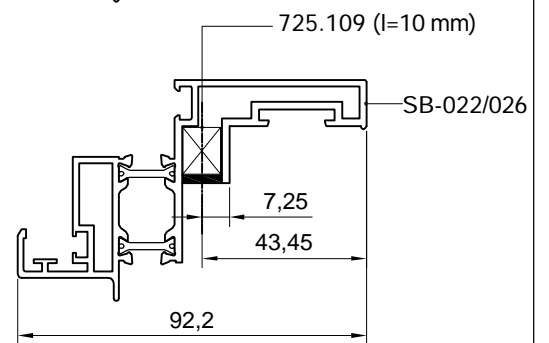
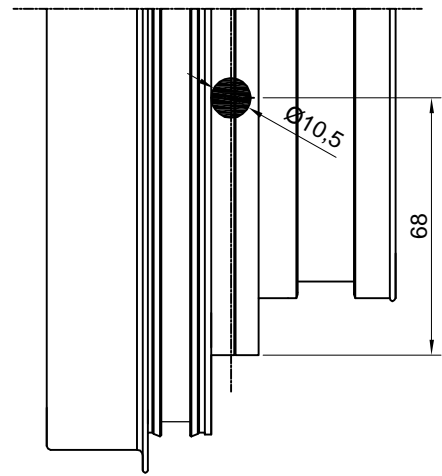
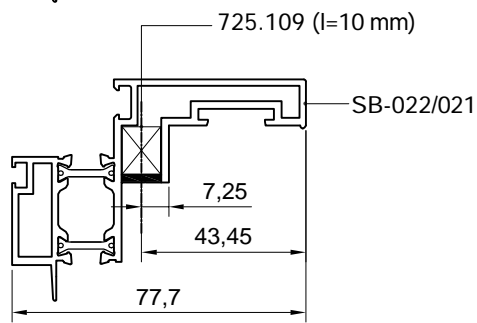
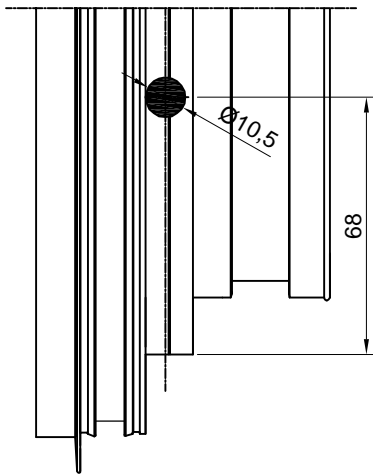
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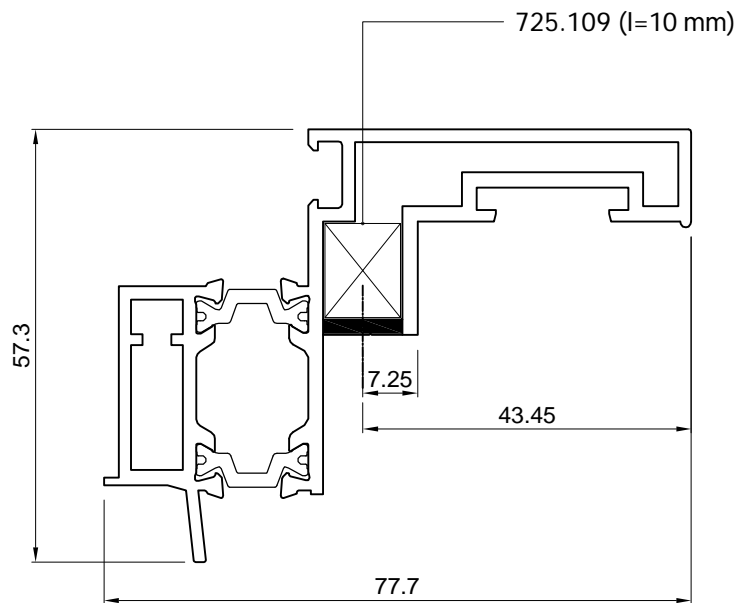
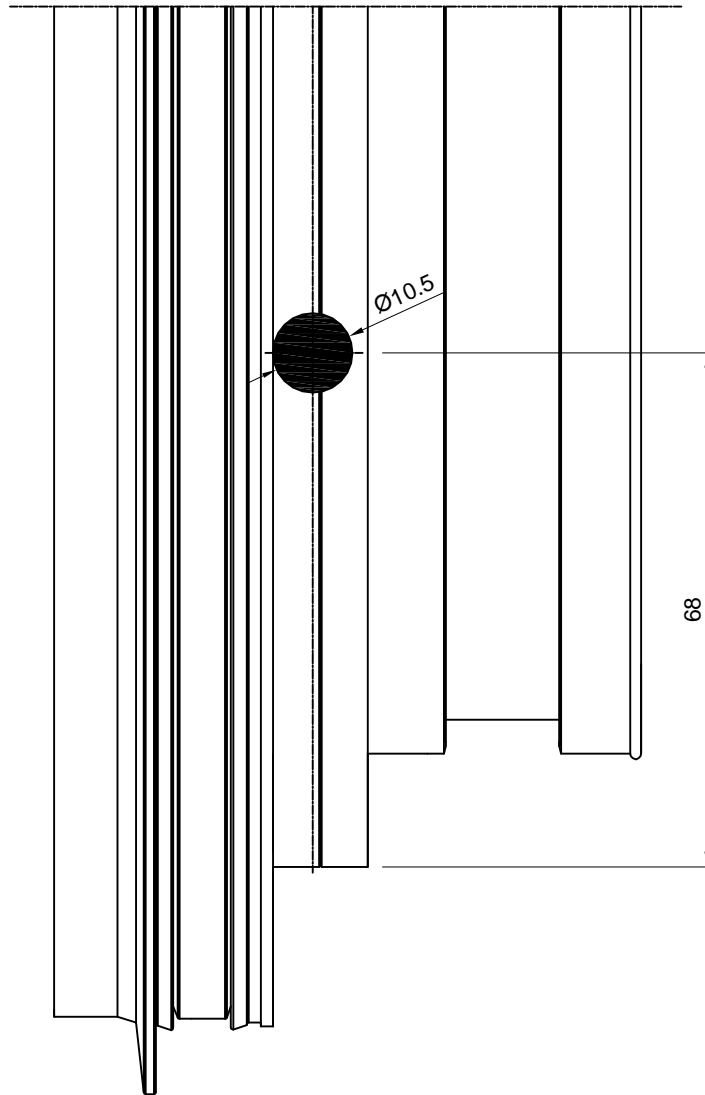
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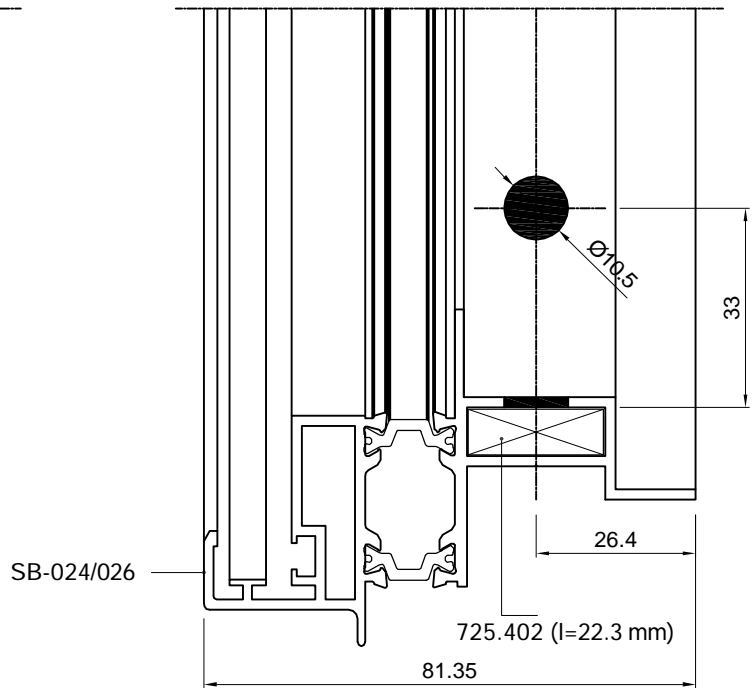
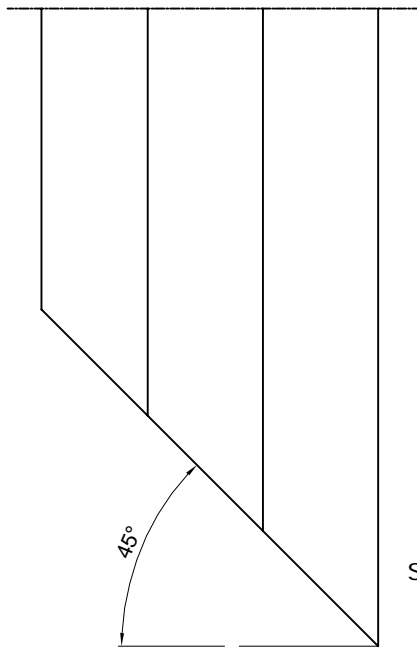
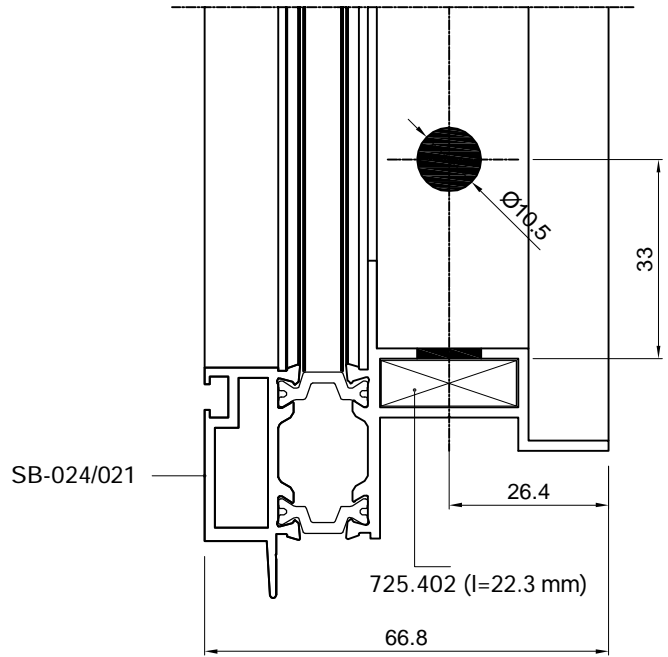
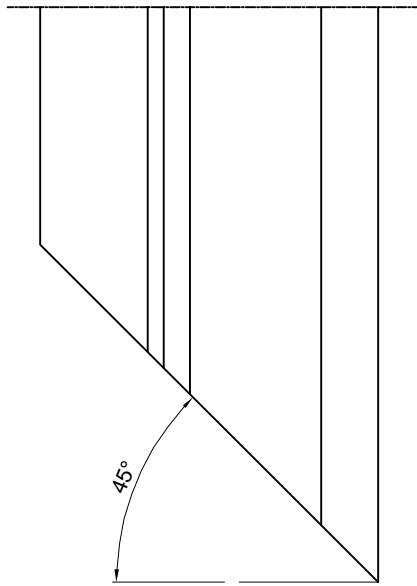
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- Obrada profila SB-022/027 za kutnik 725.109

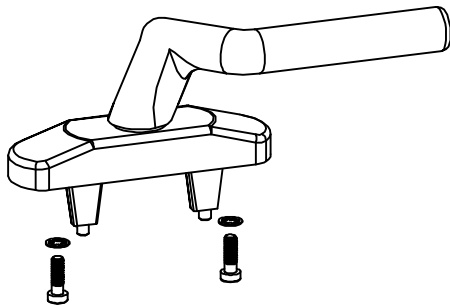
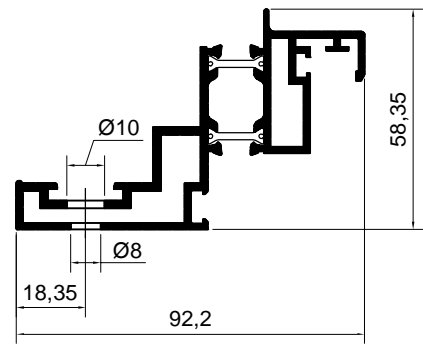
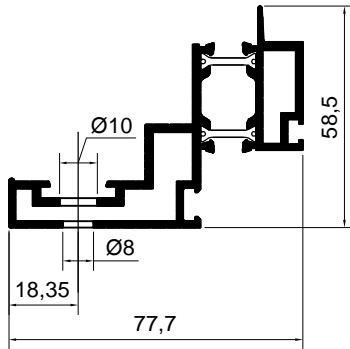
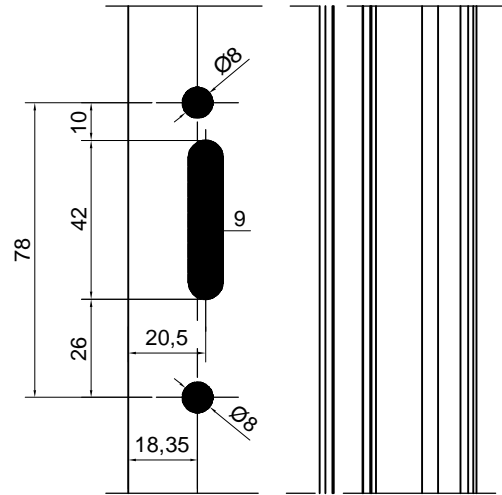
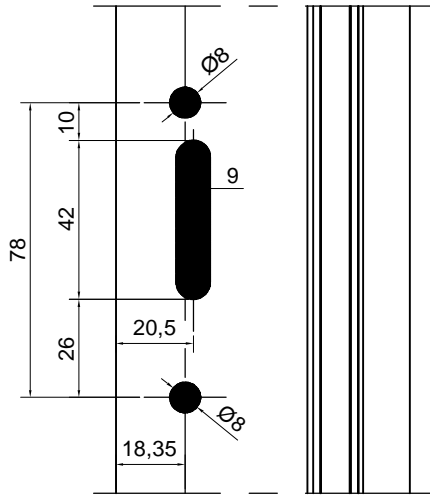


- Obrada profila SB-024/021, SB-024/026 za kutnik 725.402

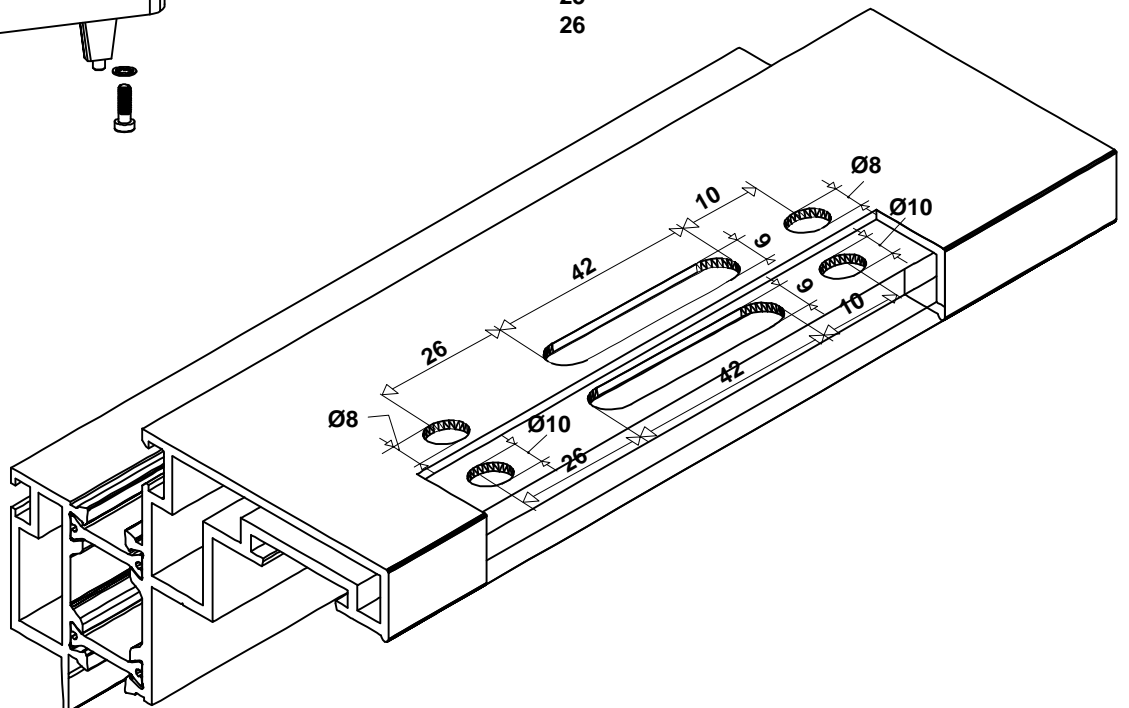


SB-022/021
OBRADA ZA RUČKU - 480 876

SB-022/026
OBRADA ZA RUČKU - 480 876

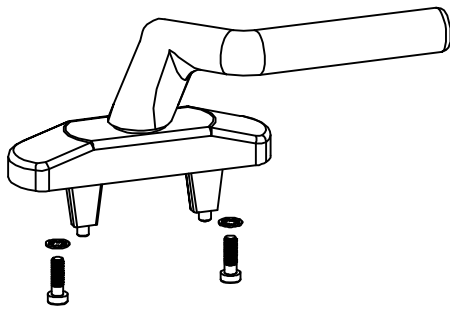
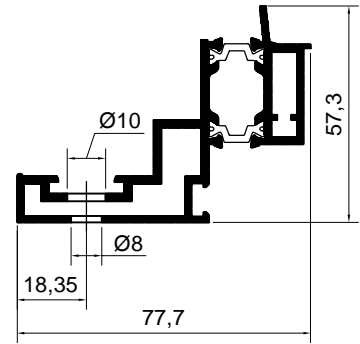
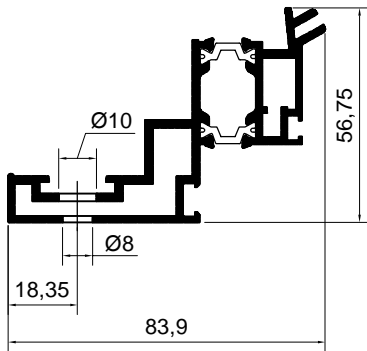
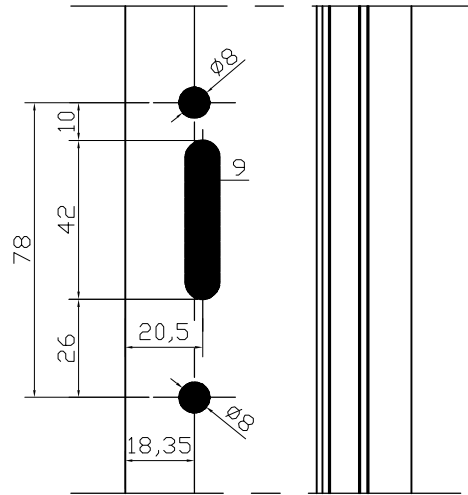
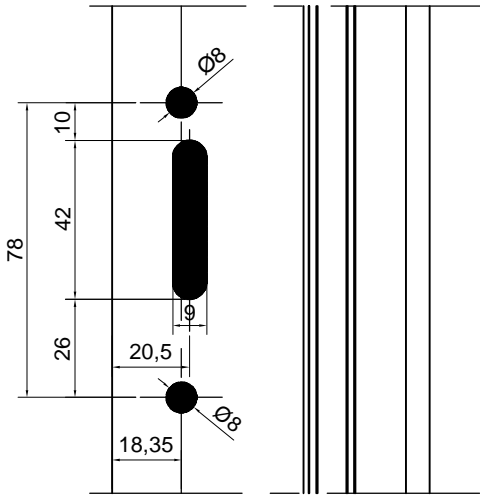


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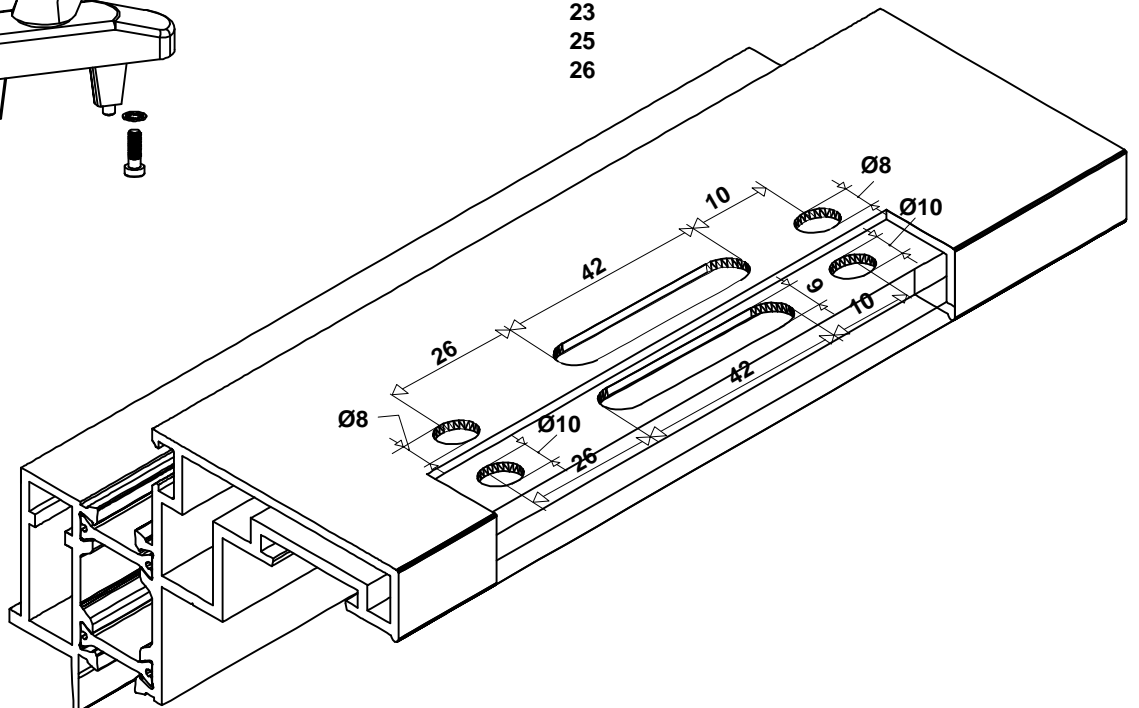


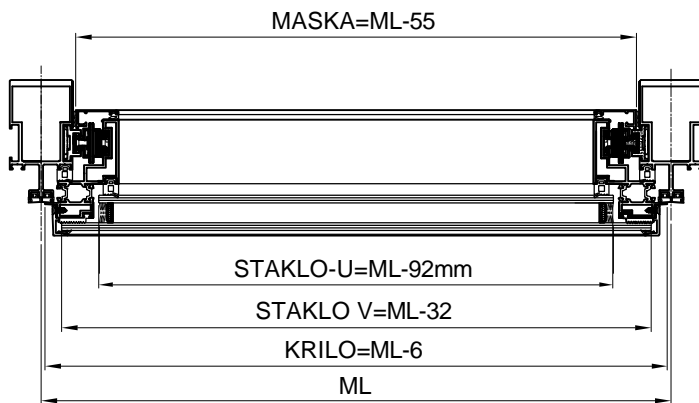
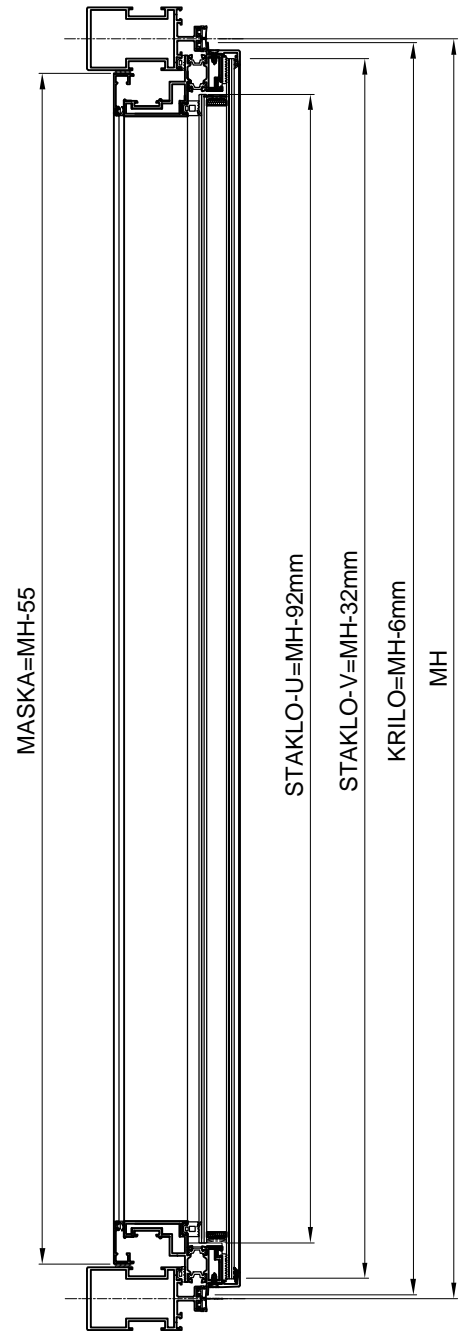
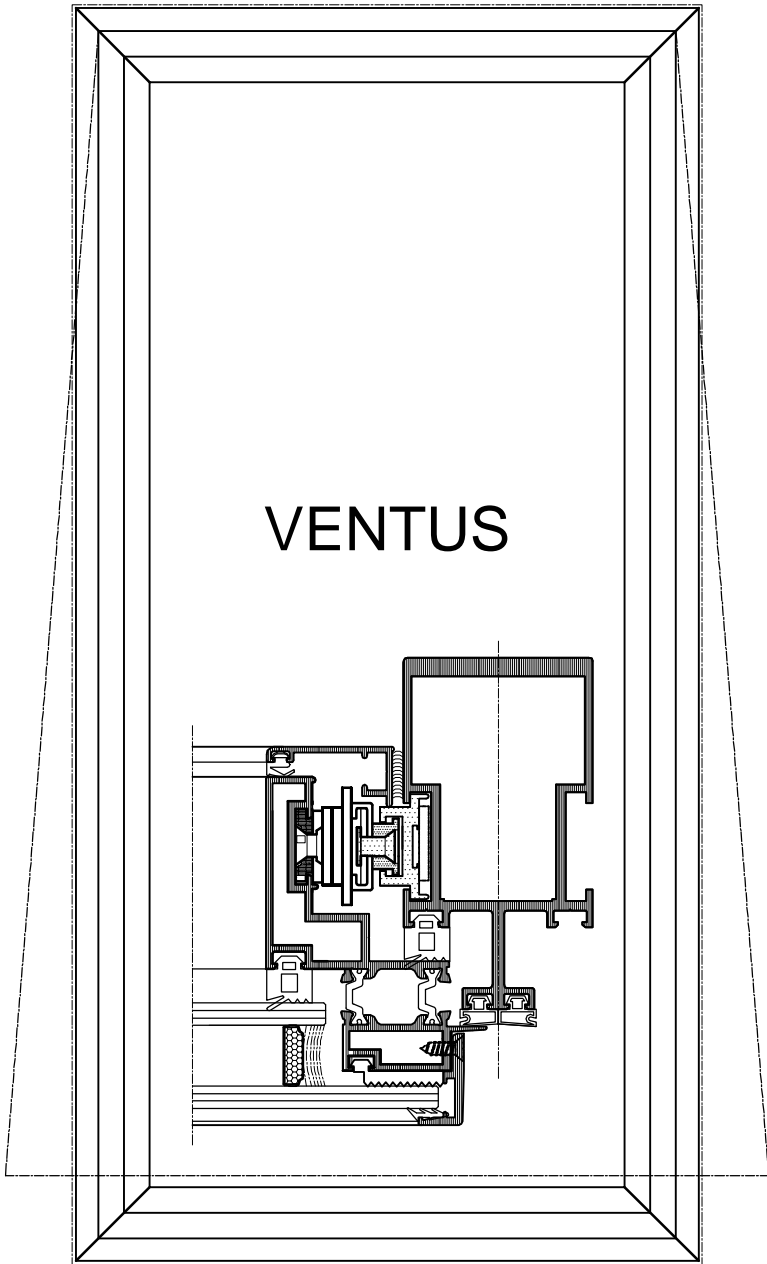
FT-0140
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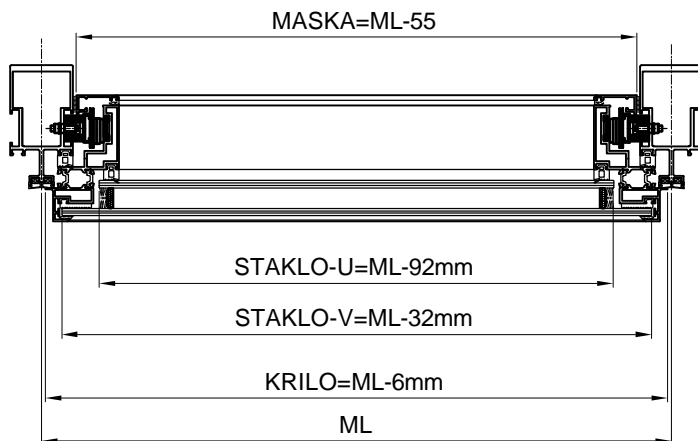
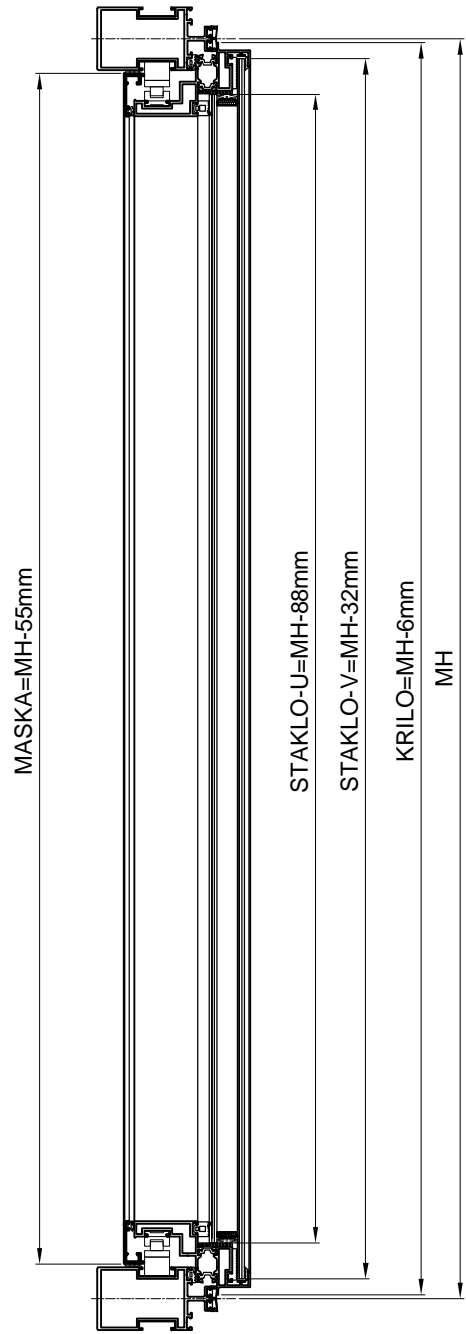
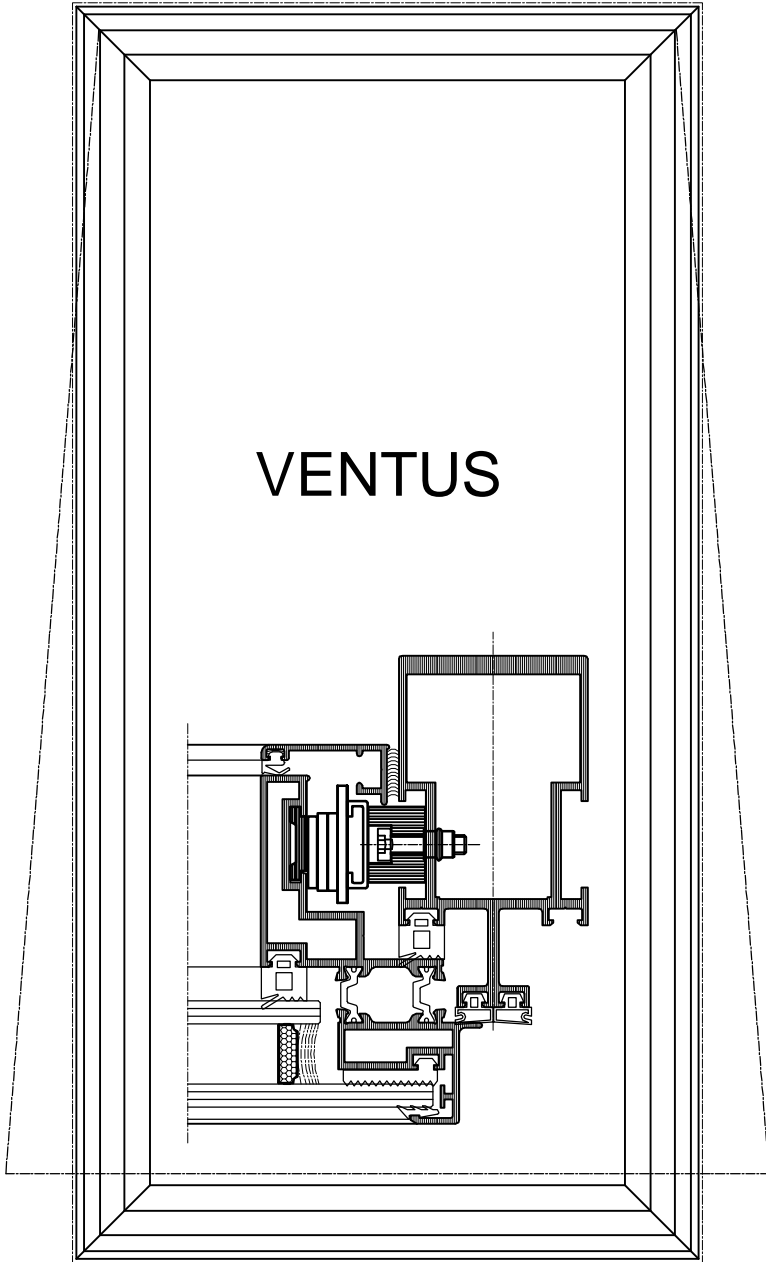
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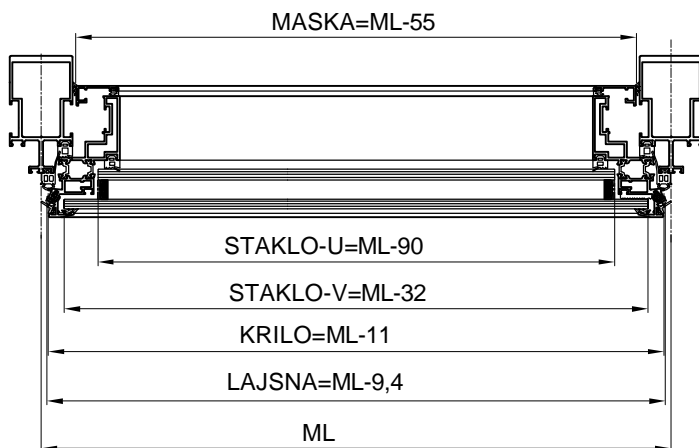
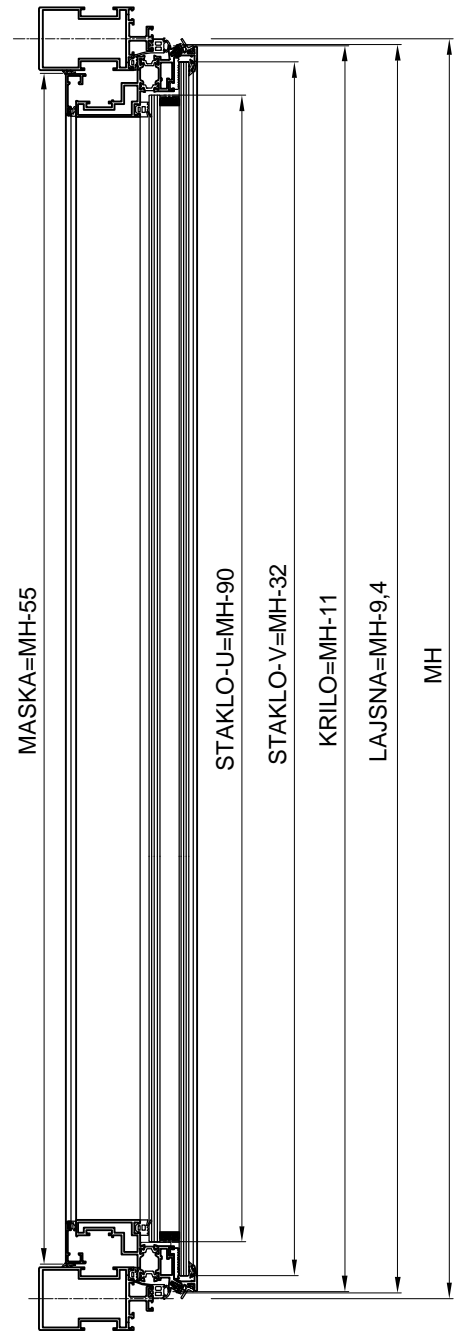
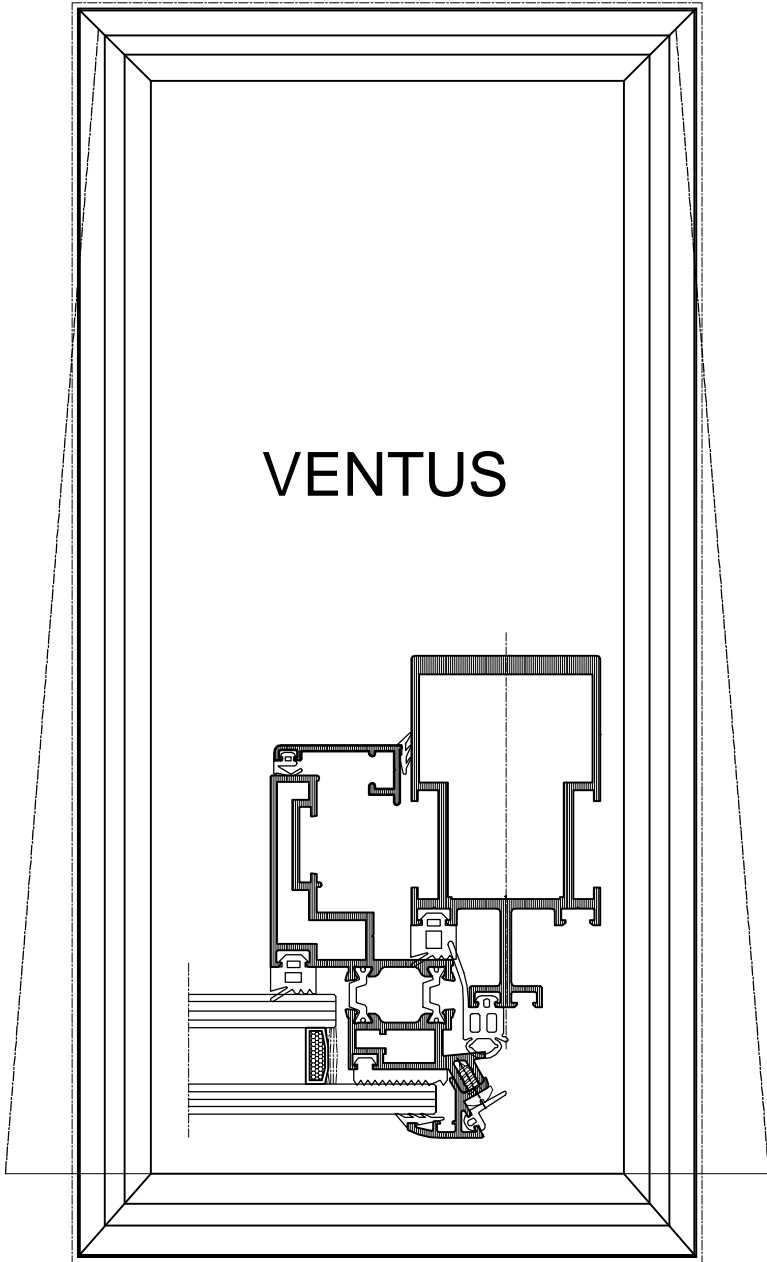


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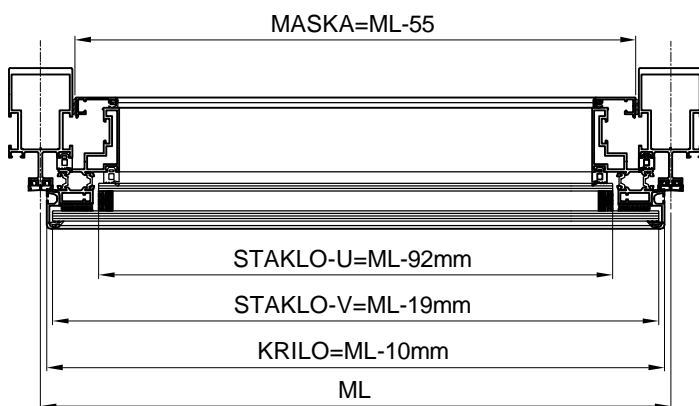
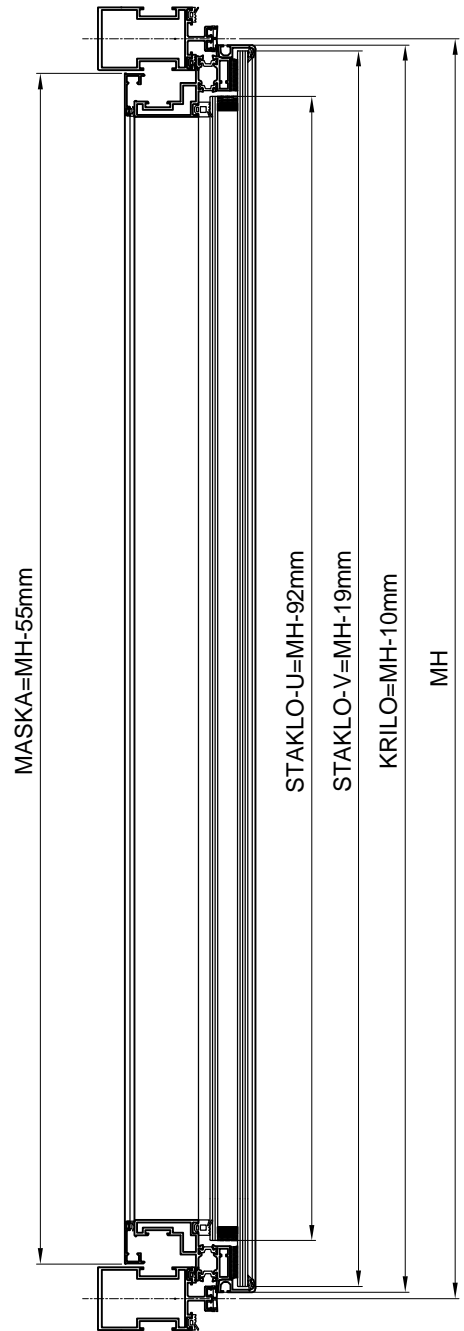
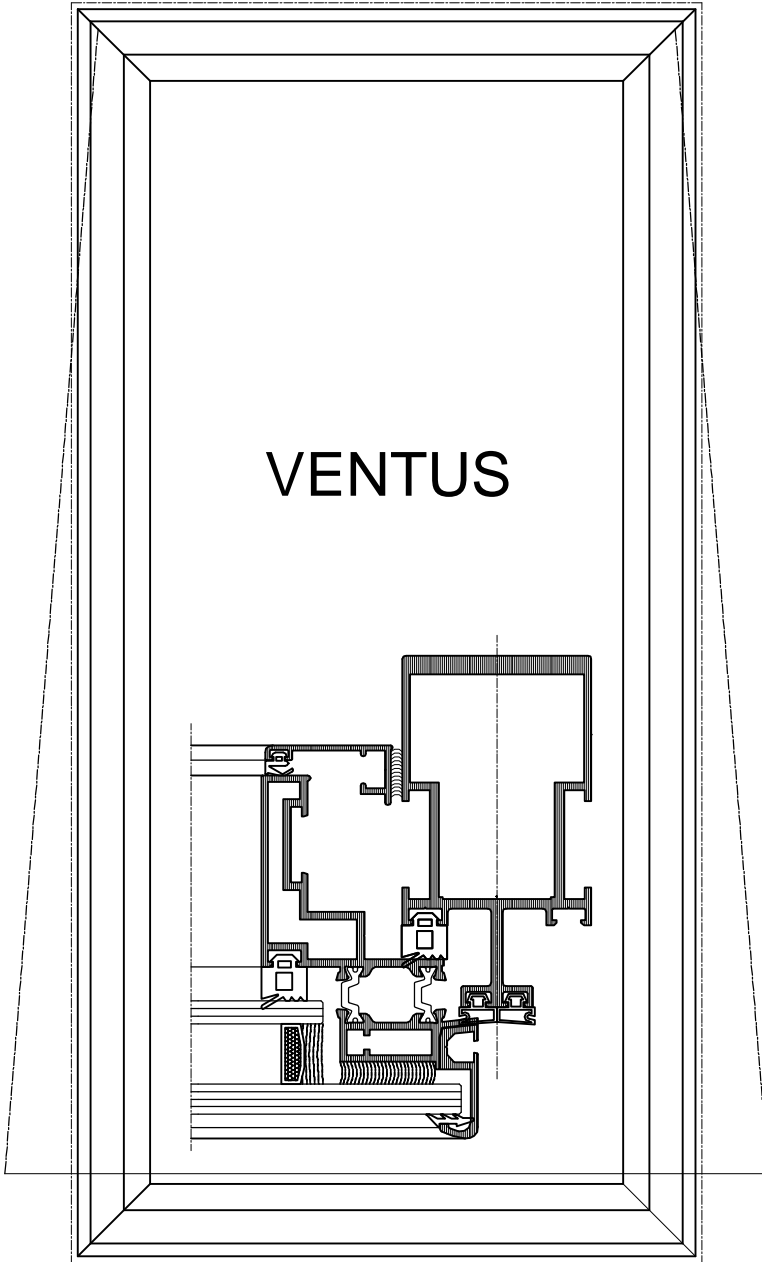


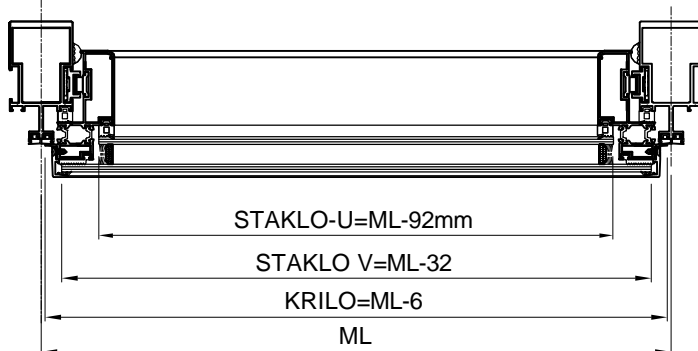
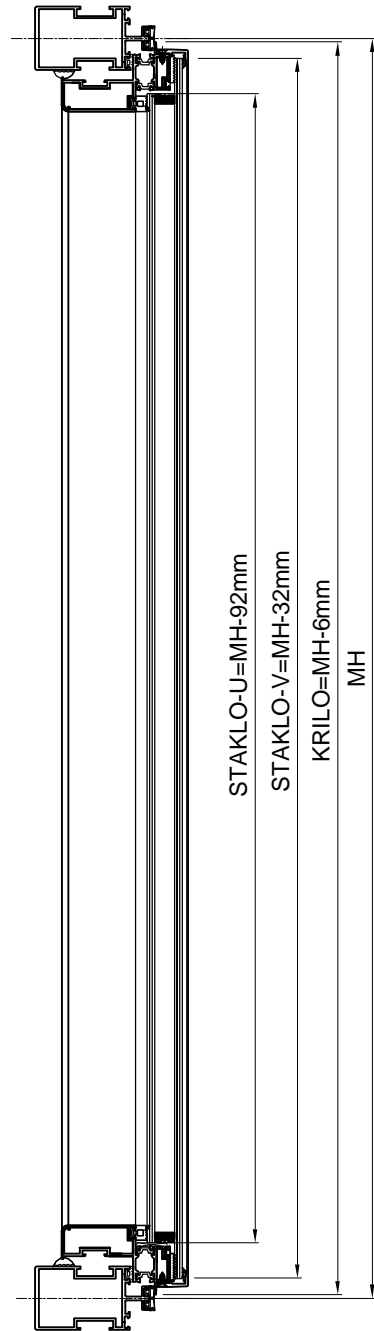
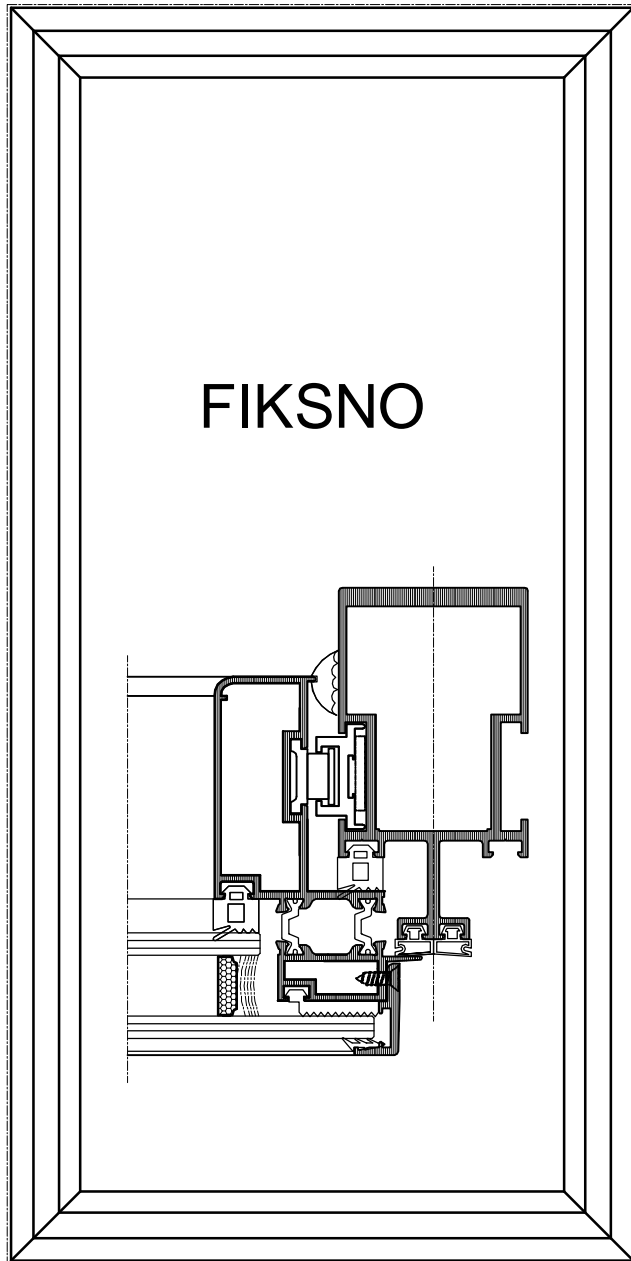


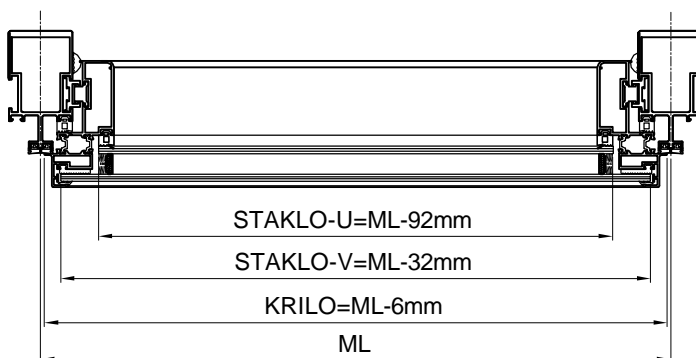
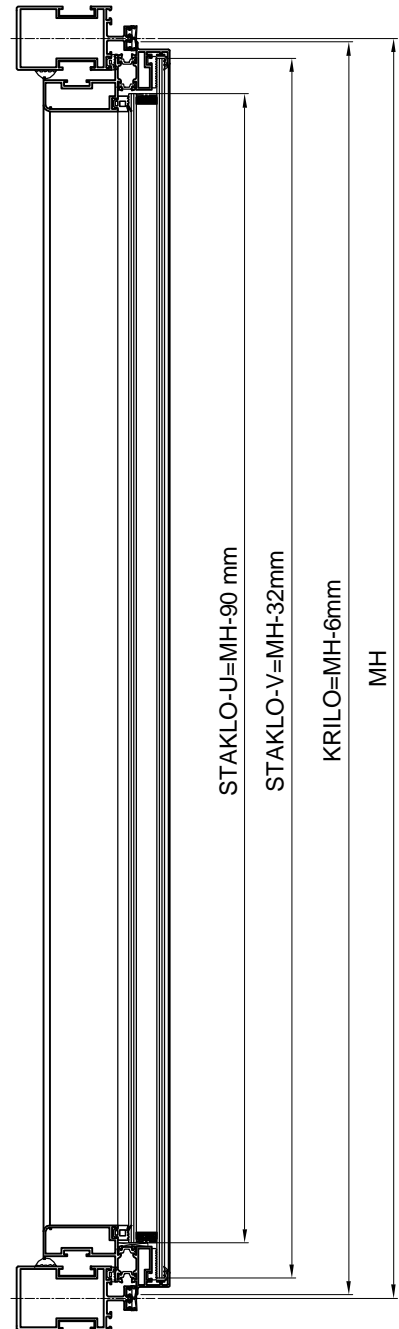
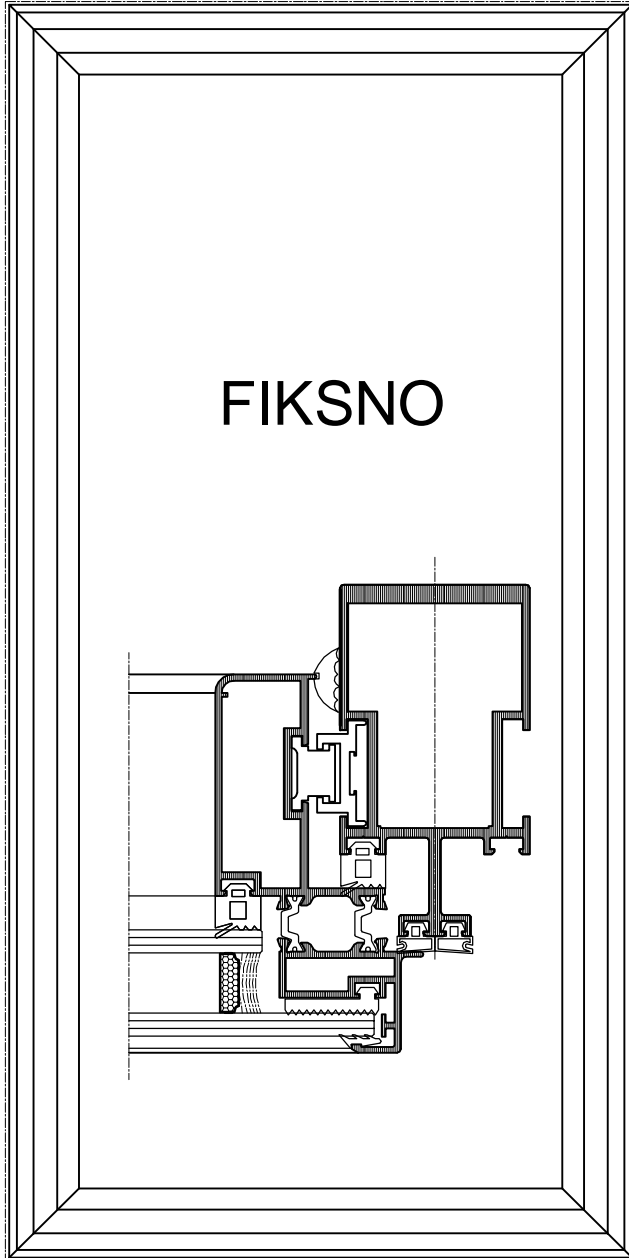


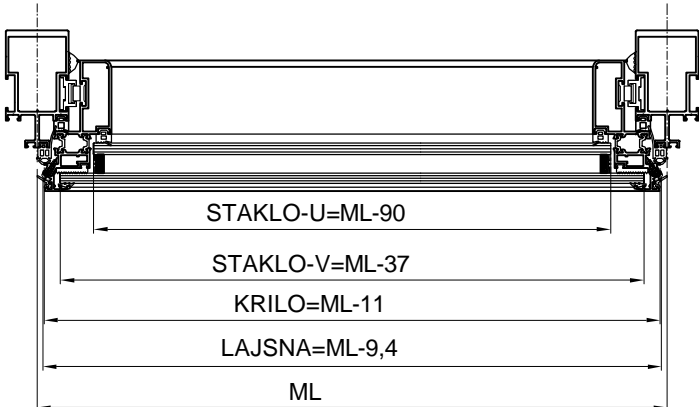
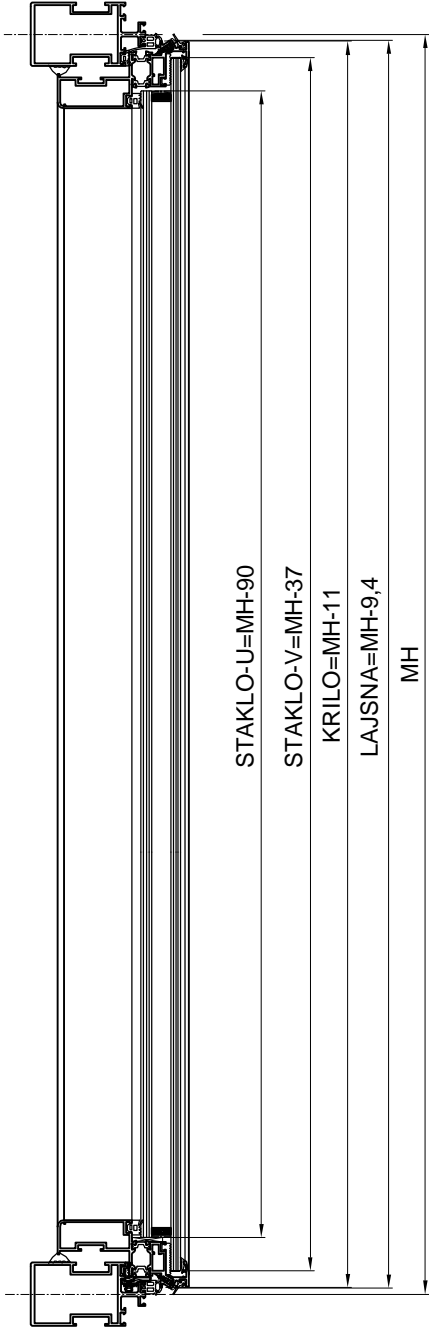
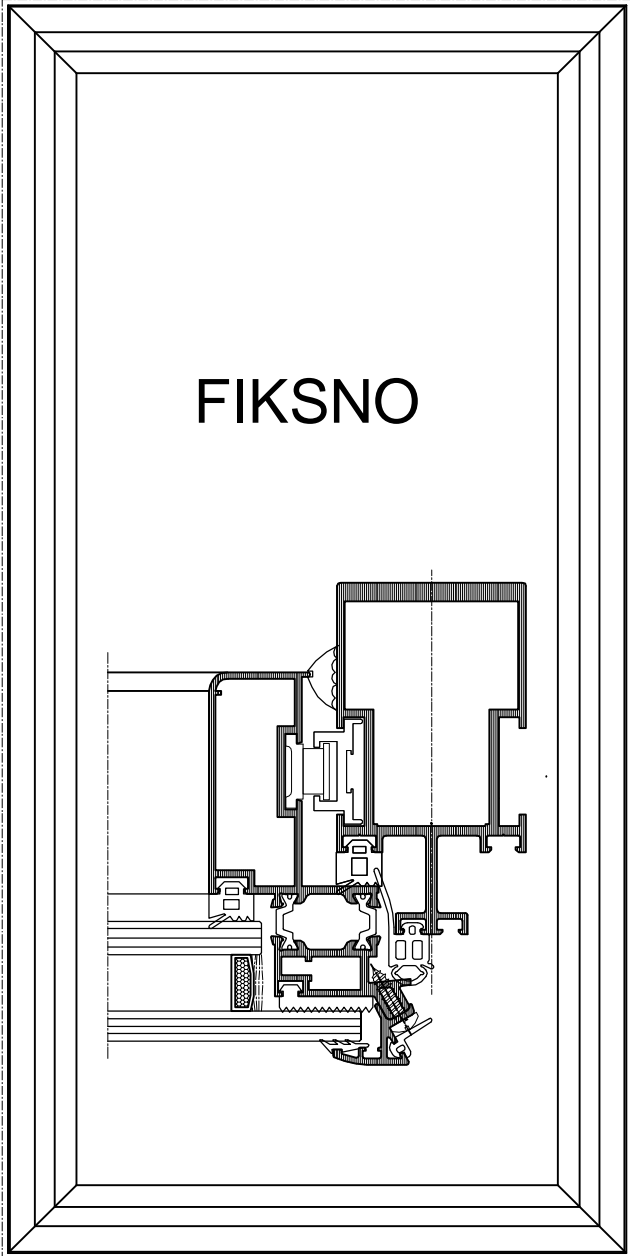


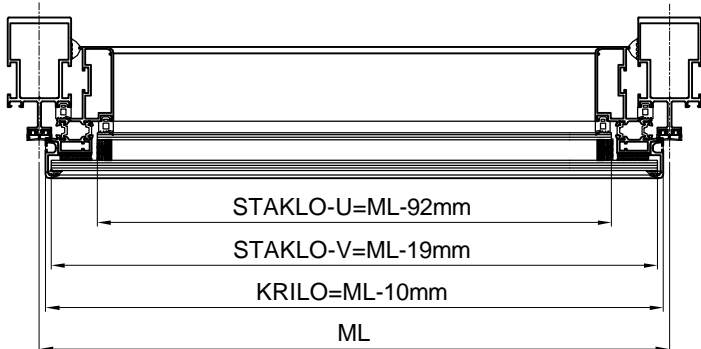
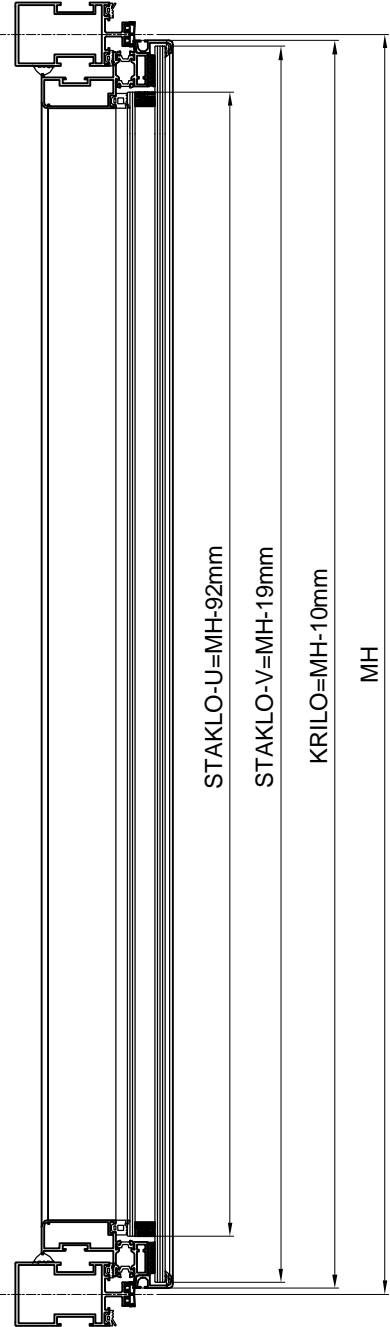
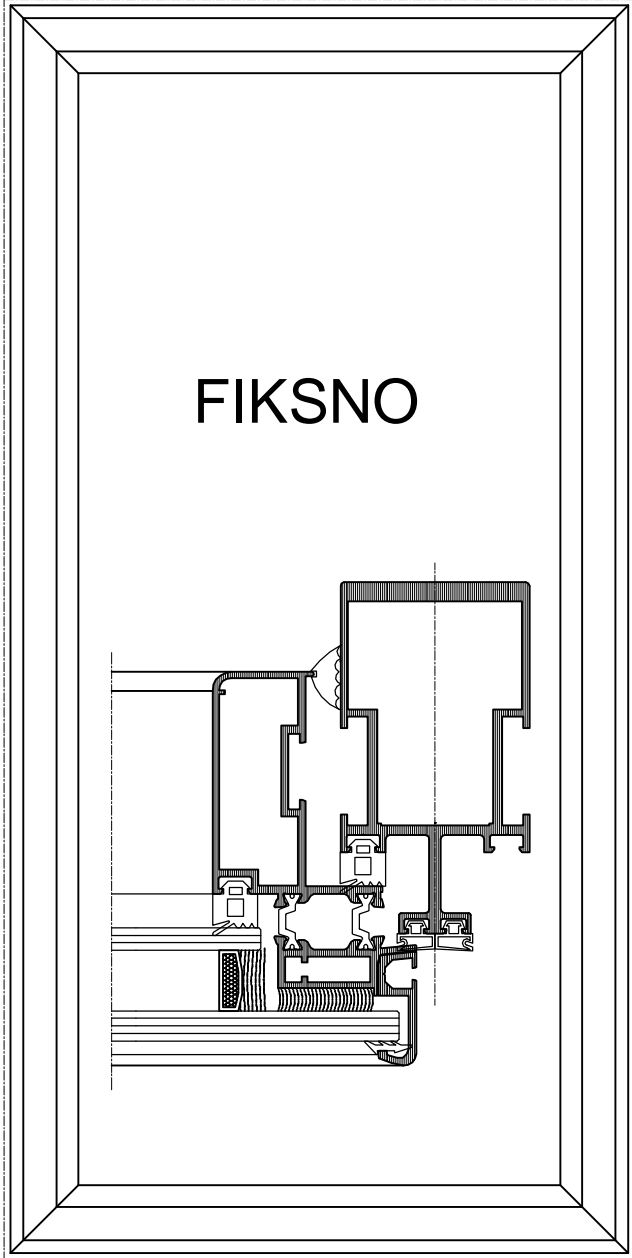
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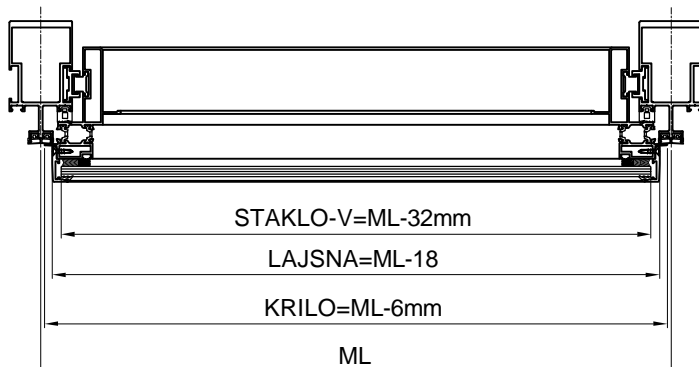
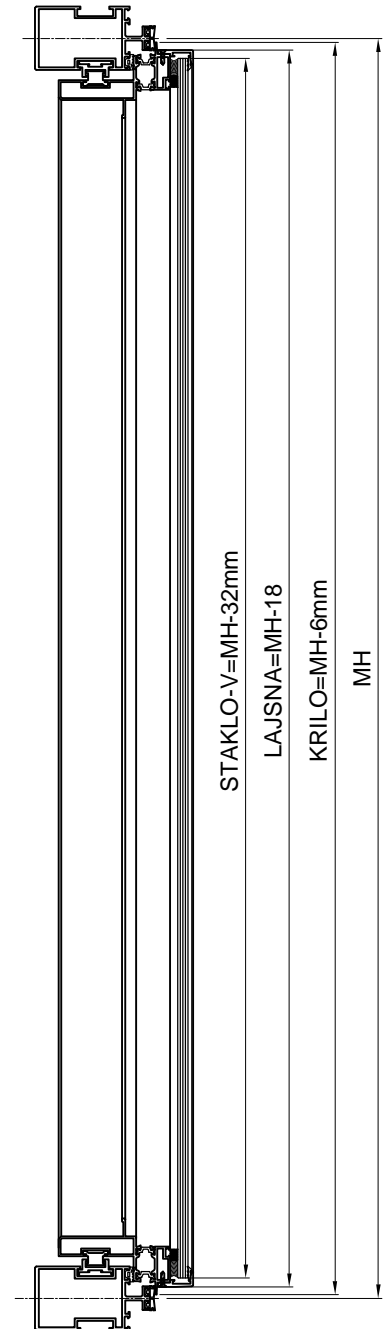
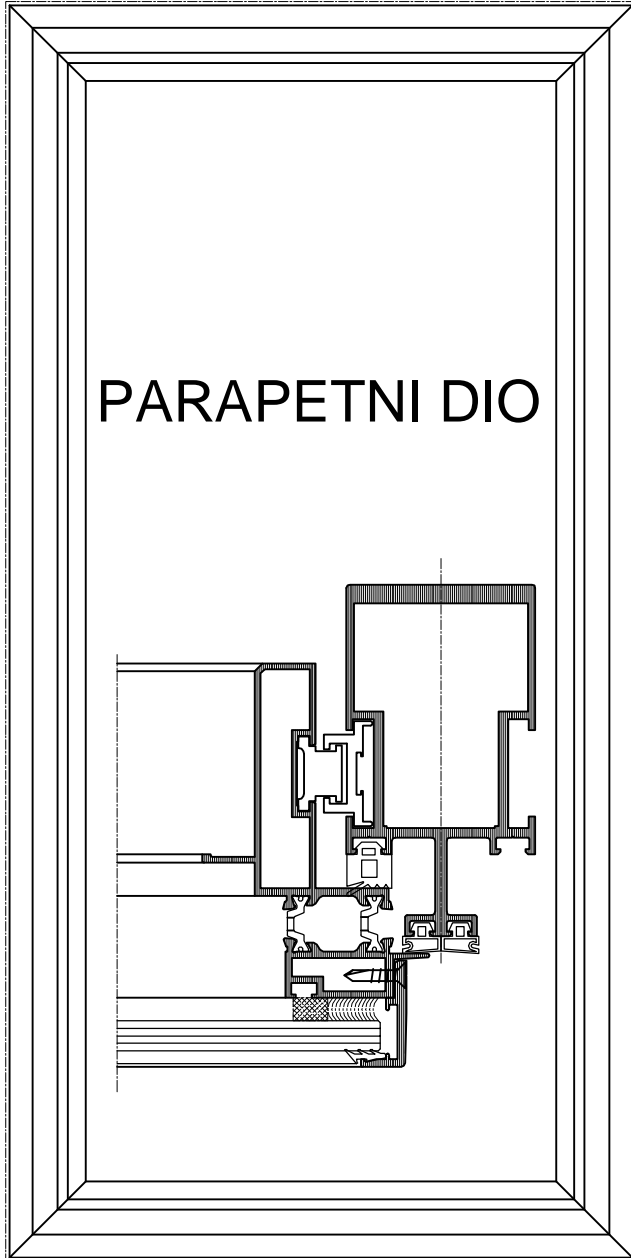




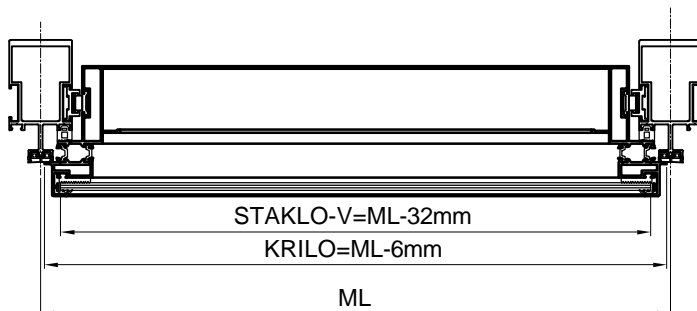
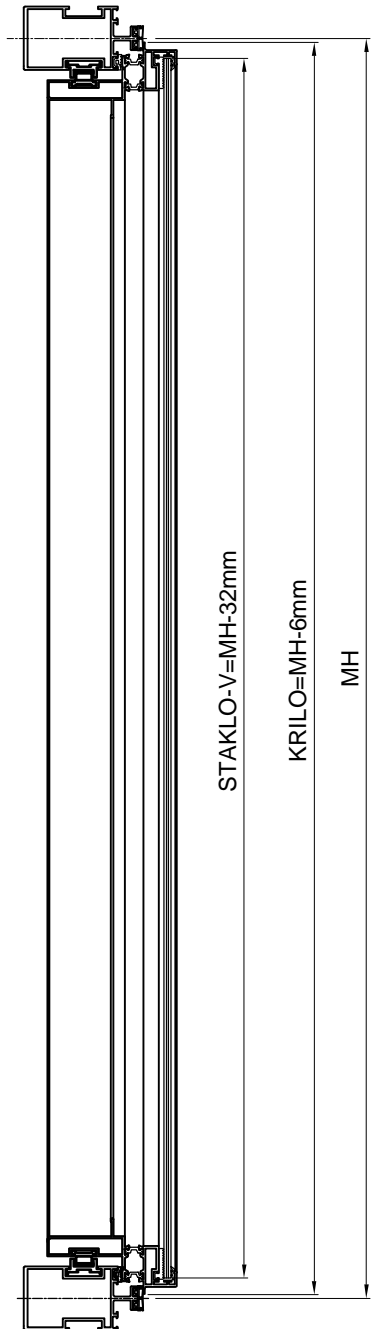
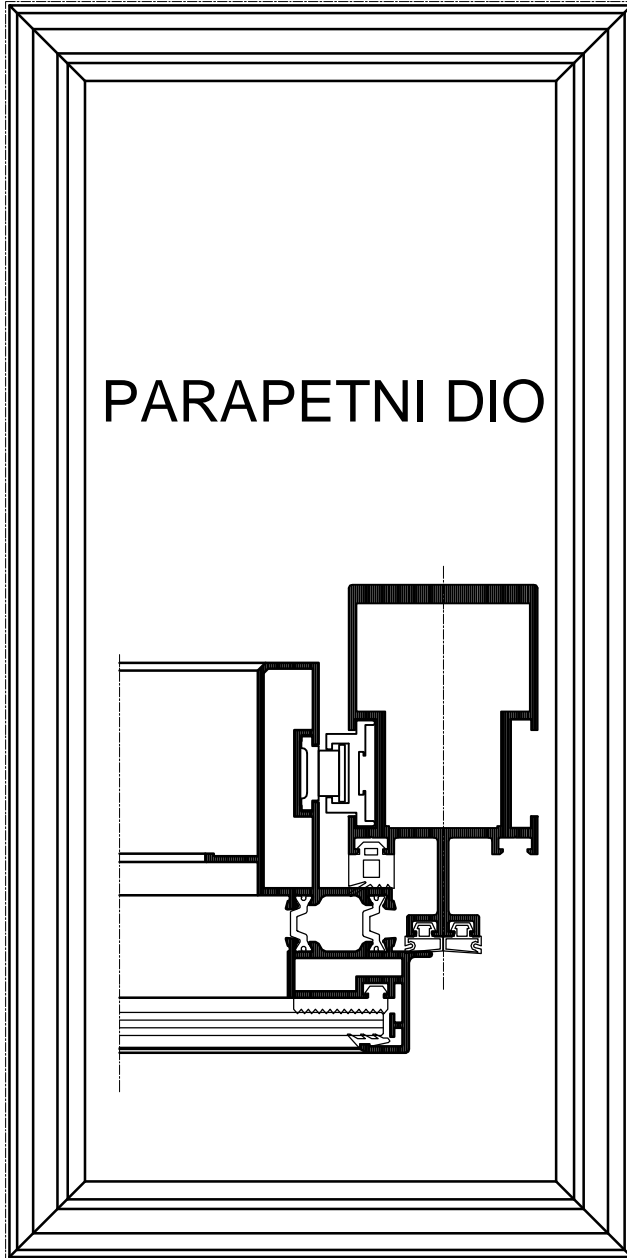


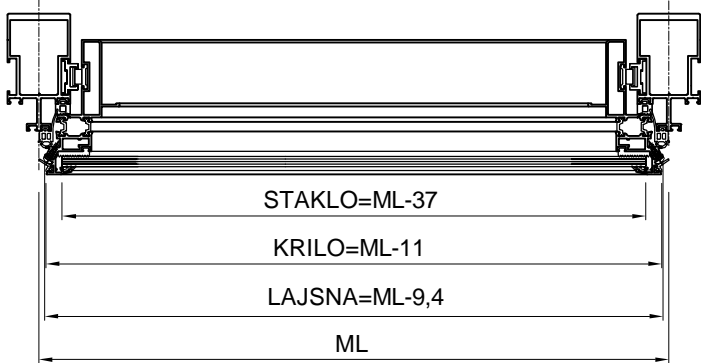
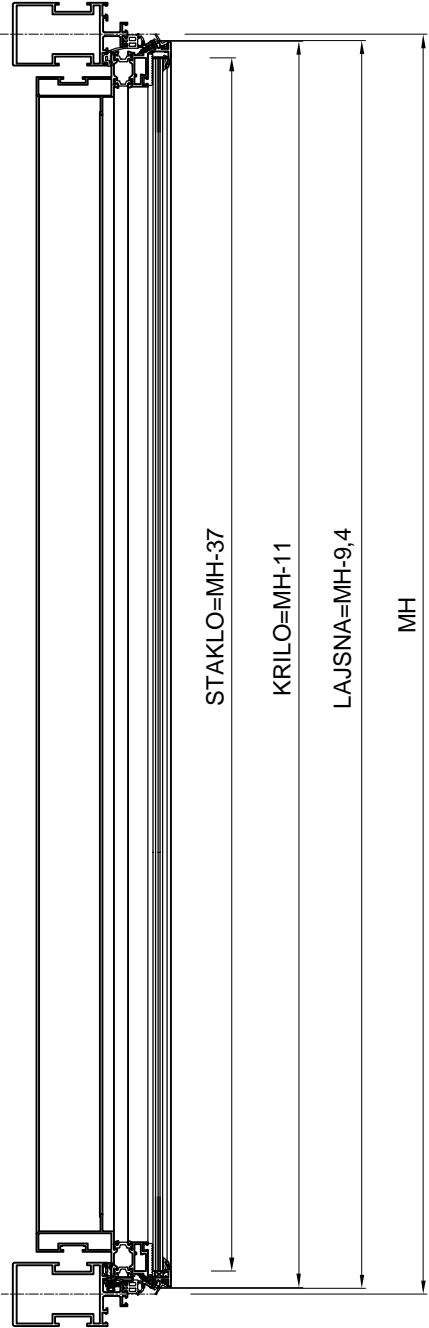
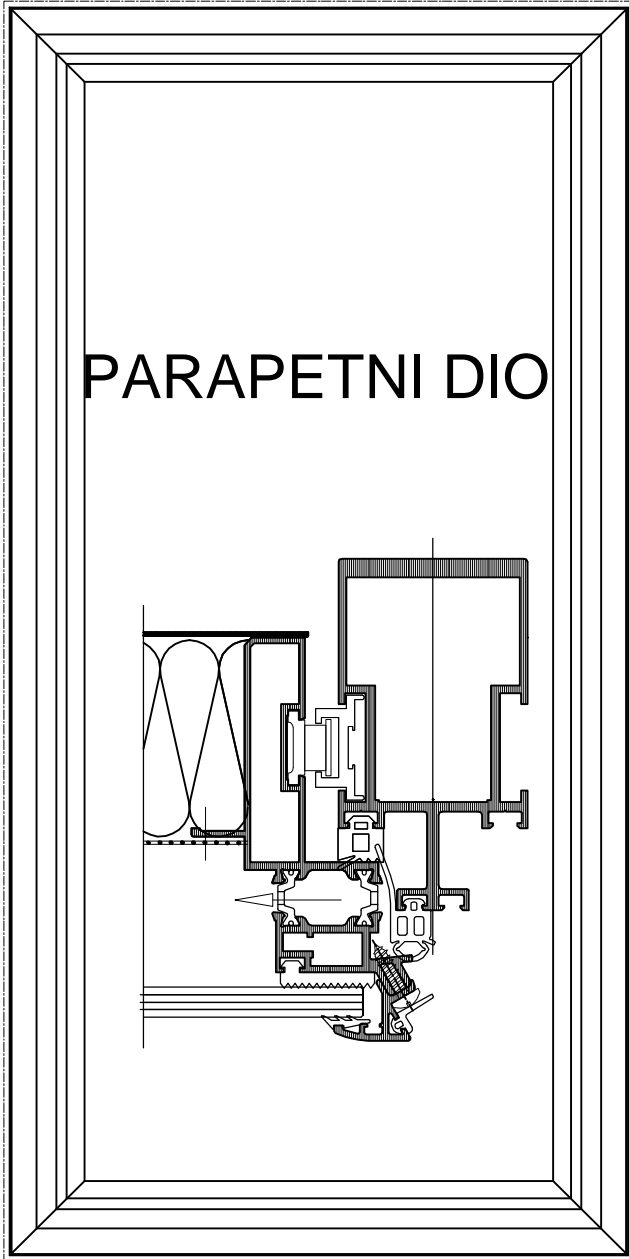


PARAPETNI DIO



PARAPETNI DIO





PARAPETNI DIO

