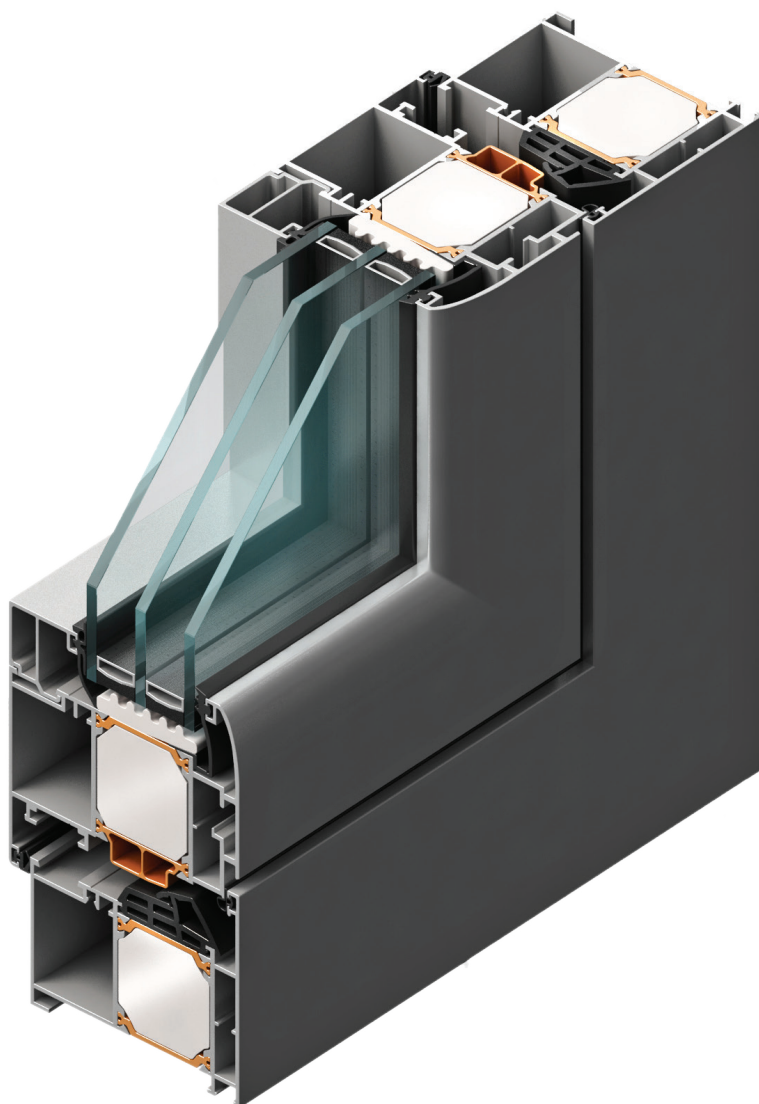


FEAL



TERM0 85

PROZORI I VRATA
WINDOWS AND DOORS

Knjiga A / *Book A*

SADRŽAJ CONTENT

01	ZNAČAJKE SISTEMA	204.01.001-008
01	SYSTEM CHARACTERISTICS	204.01.001-008
02	ISPITIVANJA I CERTIFIKATI	204.02.001-020
02	TESTING AND CERTIFICATES	204.02.001-020
03	PROFILI	204.03.001-064
03	PROFILES	204.03.001-064
04	PRIKAZ STAKLJENJA	204.04.001-008
04	GLAZING	204.04.001-008
05	PRESJECI	204.05.001-158
05	CROSS SECTION	204.05.001-158

Značajke sistema

System characteristics

OPIS SISTEMA:

Sistem TERMO 85 se koristi za izradu prozora (otvaranje unutra i vani), vrata (otvaranje unutra i vani) i fiksnih stijena.

To je sistem profila sa prekinutim termičkim mostom, osnovne ugradbene dubine dovratnika 77 i 85 mm, Pored osnovne varijante dovratnika/kрила sa ravnim linijama, moguće su izvedbe dovratnika/kрила i sa zaobljenim vanjskim linijama.

Prekid termičkog mosta se postiže poliamidnim trakama širine 34 mm (low lambda).

Radi dodatnog poboljšanja termičkih karakteristika profila, u komore profila se ugrađuju profilirani štapići od XPS -a (ekstrudirani polistiren - $\lambda=0.035 \text{ W/m}^2\text{K}$) i takvi profili dobivaju u nazivu slovo F.

Brtvljenje je izvedeno brtvama EPDM kvalitete.

Mogući tipovi otvaranja su: otklopno, zaokretno, zaokretno otvaranje vani, zaokretno oko srednje ose, otklopno-zaokretno, vrata sa otvaranjem prema unutra i vani.

Sistem je kompatibilan sa fasadnim sistemima 50FK/FS i 60K/S.

Mogućnost odabira profila sa žlijebom 16/13.

Okov koji se ugrađuje u sistem je standardni za eurožlijeb 15/20 i za žlijeb 16/13.

Karakteristike sistema:

-materijal.....	EN AW-6060
-max.masa krila.....	130 kg
-moguća debljina ispune.....	21-71 mm
-zrakopropusnost.....	EN 12207 (klasa 4)
-vodonepropusnost.....	EN 12208 (klasa E1200)
-zaštita od buke.....	DIN 717-1 (Rw=37-50 dB)
-proračun Uw koeficijenta.....	DIN EN ISO 10077-2 ($\geq 1,0 \text{ Wm}^2/\text{K}$)
-otpornost na udar vjetrova.....	EN 12210 (klasa C5 /B5)
-protuprovalnost.....	EN 1627 (RC2, RC3, RC4)
-materijal za brtvljenje (EPDM).....	DIN 7863
-površinska obrada.....	DIN 17611
-kontrola kvalitete.....	DIN EN ISO 9001

SYSTEM DESCRIPTION:

The system TERMO 85 is used for production the windows (inside and outside opening), doors (inside and outside opening) and fixed glass wall.

It is a profiles system with thermal break, basic mounting depth the frame 77 i 85 mm,

In addition to the basic variant of the frame / sash with flat lines, it is possible preformance frame/sash with the rounded outside lines.

The thermal bridge break is achieved with polyamide strips of 34 mm (low lambda)

Because of additional improvement of thermal characteristics the profiles, in the chamber stick in XPS -a (ekstrudirani polistiren - $\lambda=0.035 \text{ W/m}^2\text{K}$) and that profiles are given the name F.

The sealing are made with the gasket EPDM quality .

Possible types of opening: tilt, turn, turn outside opening, turn around middle axis, tilt and turn, door with outside and inside opening.

System is compatibilty with facade systems 50FK/KS i 60K/S.

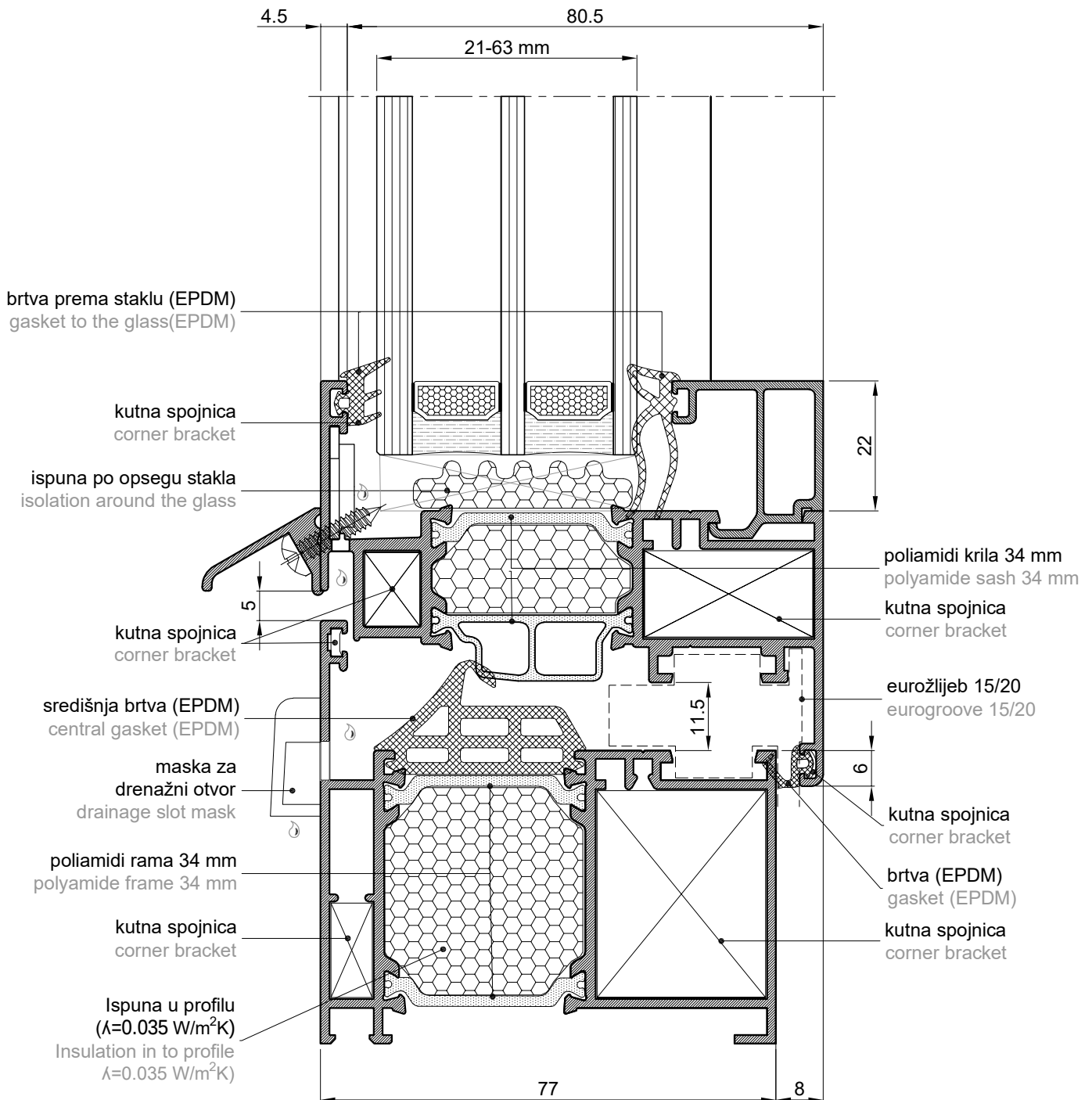
Possibility selection the profile with groove 16/13

The hardware which are installation in the this system is standard for euro grove and for groove 16/13

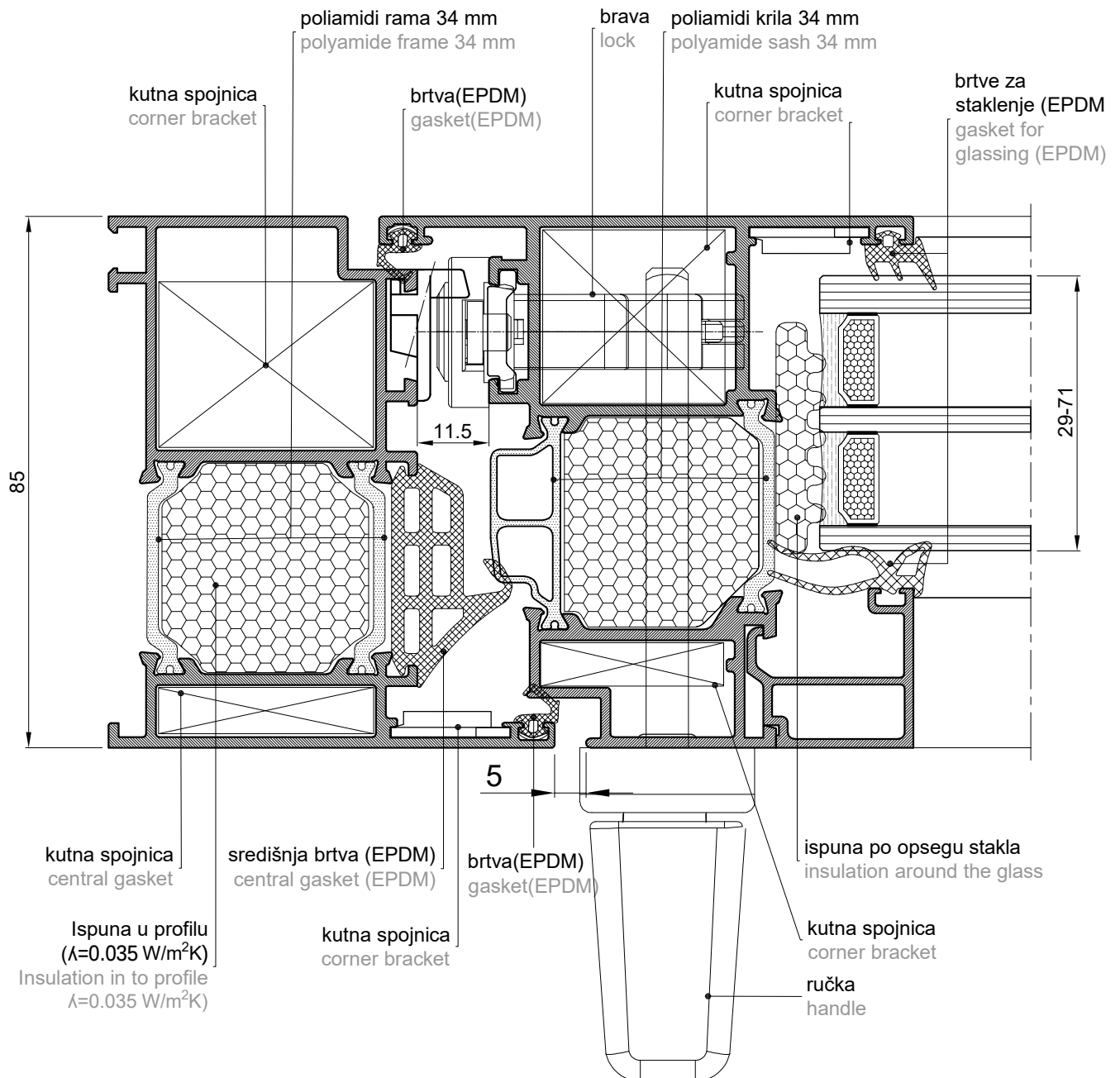
System characteristics:

-material.....	EN AW-6060
-mass OZ sash.....	130 kg
-possible infill depth.....	21-71 mm
-air permeability.....	EN 12207 (klasa 4)
-watertightness.....	EN 12208 (klasa E1200)
-airborne sound insulation.....	DIN 717-1 (Rw=37-50 dB)
-Uw calculation.....	DIN EN ISO 10077-2 ($\geq 1,0 \text{ Wm}^2/\text{K}$)
-wind resistance.....	EN 12210 (klasa C5 /B5)
-burglary.....	EN 1627 (RC2, RC3, RC4)
-materail for sealing (EPDM).....	DIN 7863
-surface processing.....	DIN 17611
-quality control.....	DIN EN ISO 9001

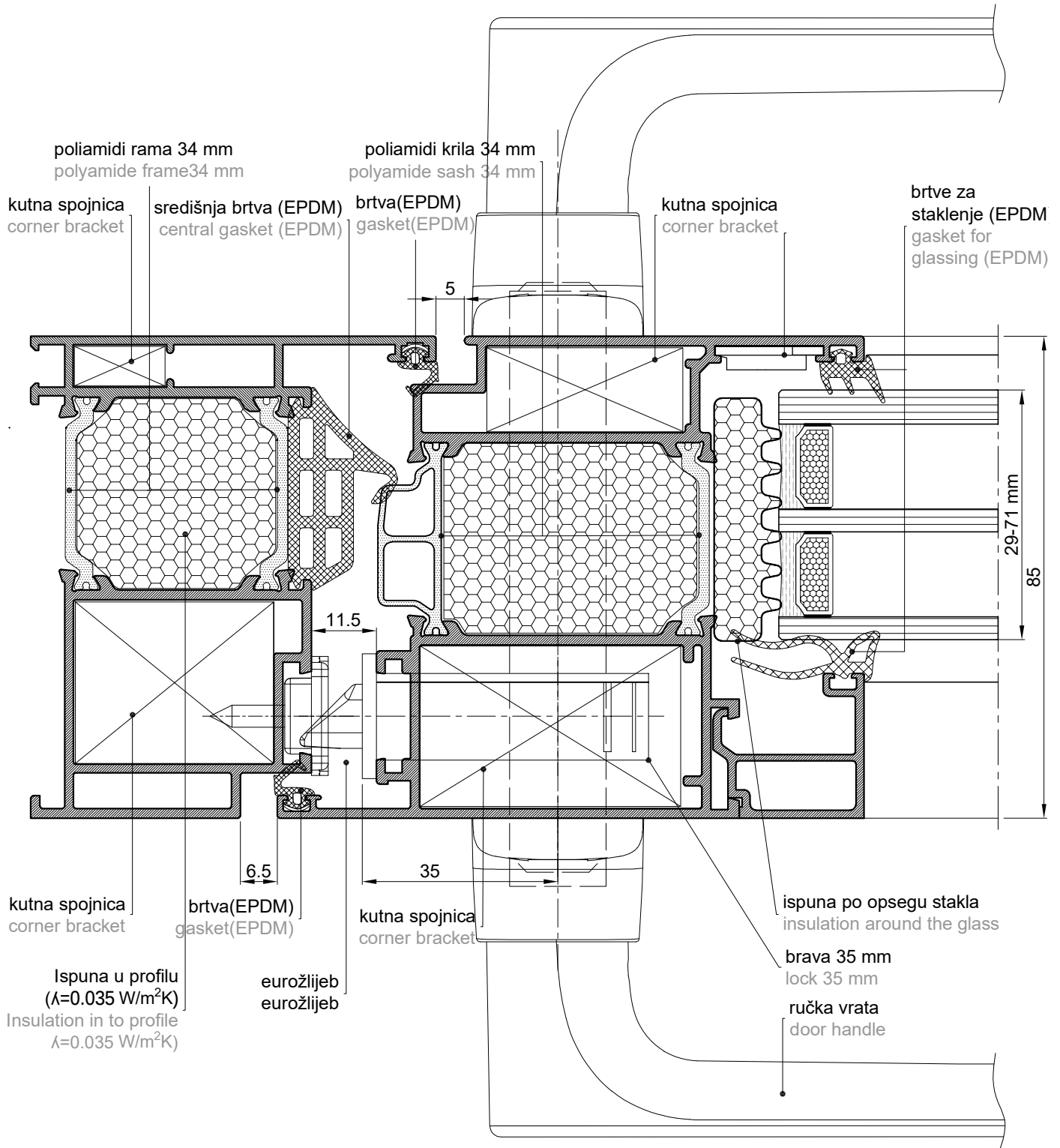
Sistem zaobljenih linija prozora System curved lines window



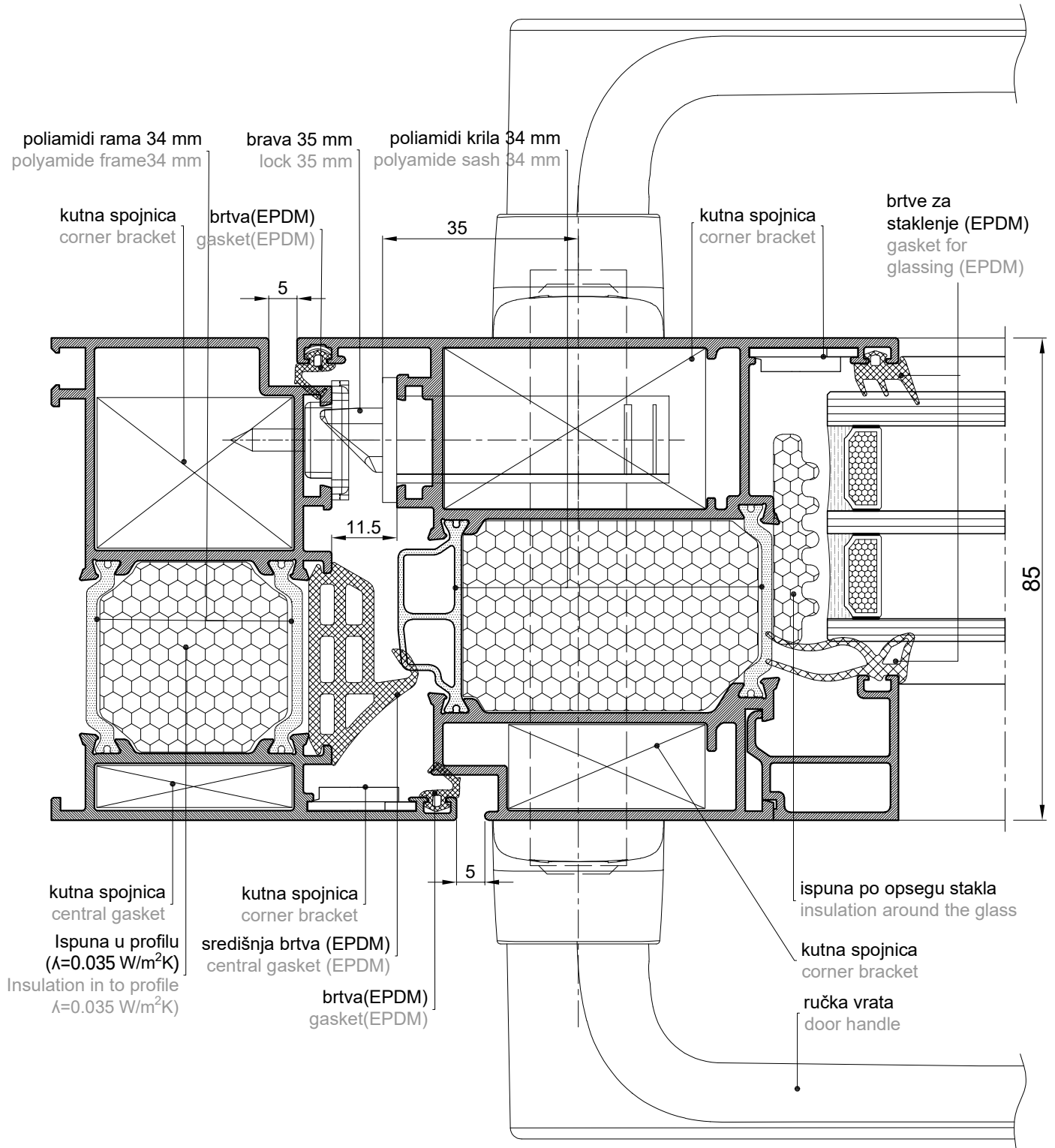
Sistem ravnih linija prozora System straight lines window



Sistem ravnih linija vrata System straight lines door



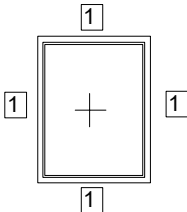
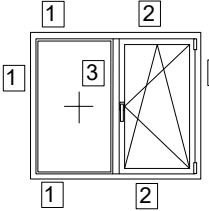
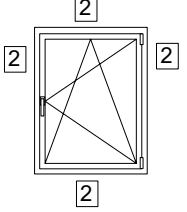
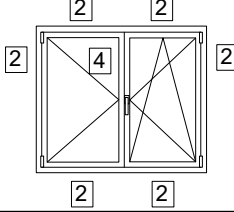
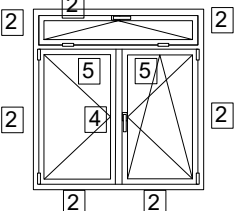
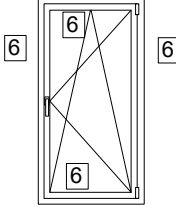
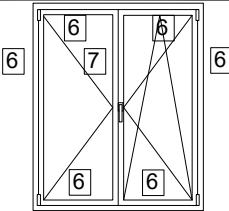
Sistem ravnih linija vrata System straight lines door



Ispitivanja i certifikati

Testing and certificates

ISPITIVANJA I CERTIFIKATI TEST AND CERTIFICATES										
Vrsta ispitivanja Type of test	Jednokrilni o-z prozor Single casement window	Dvokrilni prozor Double casement window	Jed.prozor, otv. vani Single cas. window, opening outside	Prozor, otv. oko srednje vodor. ose Window, horizontal pivot opening	Jed.balk. vrata Single balcony door	Dvo.balk. vrata Double balcony door	Jedokrilna vrata, otv.unutra Single door,opening outside	Jedokrilna vrata, otv.vani Single door,opening inside	Fiksna stijena Fixed al. wall	Ventus Bottom-hung window
Zrakopropusnost Air permeability EN12207	class 4	class 4	class 4	class 4	class 4	class 4	class 4	class 4		class 4
Vodonepropusno. Watertightness EN 12208	E1500	9A	8A	9A	9A	8A	8A	E1200		E1500
Vjetronepropusno. Resistance to wind EN 12210	C5/B5	C4/B4	C4/B4	C4/B4	C3/B3	C4/B4	C4/B4	C4/B4		C5/B5
Buka Rw Airborne sound reduction EN ISO 717-1	37-42 dB								50 dB	
Protuprovalnost Protection against burglary EN 1627	RC2, RC3	RC2			RC2				RC4	
Otpornost na istezanje, torziju... Resistance at strain, torsion...	+				+					
Pendtl test Impact resistance test EN 13049	4									
Protupožarnost Fire resistance test DIN EN 1363-1										
Toplinska provodljivost prozora, u skladu s EN ISO 10077-1, je Uw=1.1 [W/m²K] conductivity windows, in accordant with EN ISO 10077-1, je Uw=1.1 [W/m²K]									Thermal	

		Uf1 W/m2K	Uf2 W/m2K	Uf3 W/m2K	Uf4 W/m2K	Uf5 W/m2K	Uf6 W/m2K	Uf7 W/m2K	Ug W/m2K	Uw W/m2K
	-fiksno -fixed filed (1230x1480)	1,2 * 2,4							0,7 1,1	≥0,92 * ≥1,2 ≥1,2 * ≥1,5
	-otkl.-zao.s fiks. dijelom -tilt & turn with fixed field (1600x1480)	1,2 * 2,4	1,5 * 2,3	1,6 * 2,0					0,7 1,1	≥1,1 * ≥1,3 ≥1,3 * ≥1,6
	-otklopno -zaokretno - tilt & turn window (1230x1480)		1,5 * 2,3						0,7 1,1	≥1,1 * ≥1,3 ≥1,3 * ≥1,6
	-dvokrilno otklopno -zaokretno -double sash tilt & turn window (1600x1480)		1,5 * 2,3		1,6 * 2,1				0,7 1,1	≥1,1 * ≥1,4 ≥1,3 * ≥1,6
	-dvokrilno otkl. -zaok. s nadsvijetlom -double sash tilt & turn with overhead op. (1600x1980)		1,5 * 2,3		1,6 * 2,1	1,6 * 2,1			0,7 1,1	≥1,2 * ≥1,4 ≥1,4 * ≥1,7
	-balkonska vrata -balcony door (1100x2200)						1,4 * 2,4		0,7 1,1	≥1,0 * ≥1,4 ≥1,3 * ≥1,6
	-dvokrilna balkonska vrata -double balcony door (1600x2200)						1,4 * 2,3	1,4 * 2,3	0,7 1,1	≥1,1 * ≥1,4 ≥1,3 * ≥1,7

* Uf i Uw izračuni bez XPS ispuna u profilima

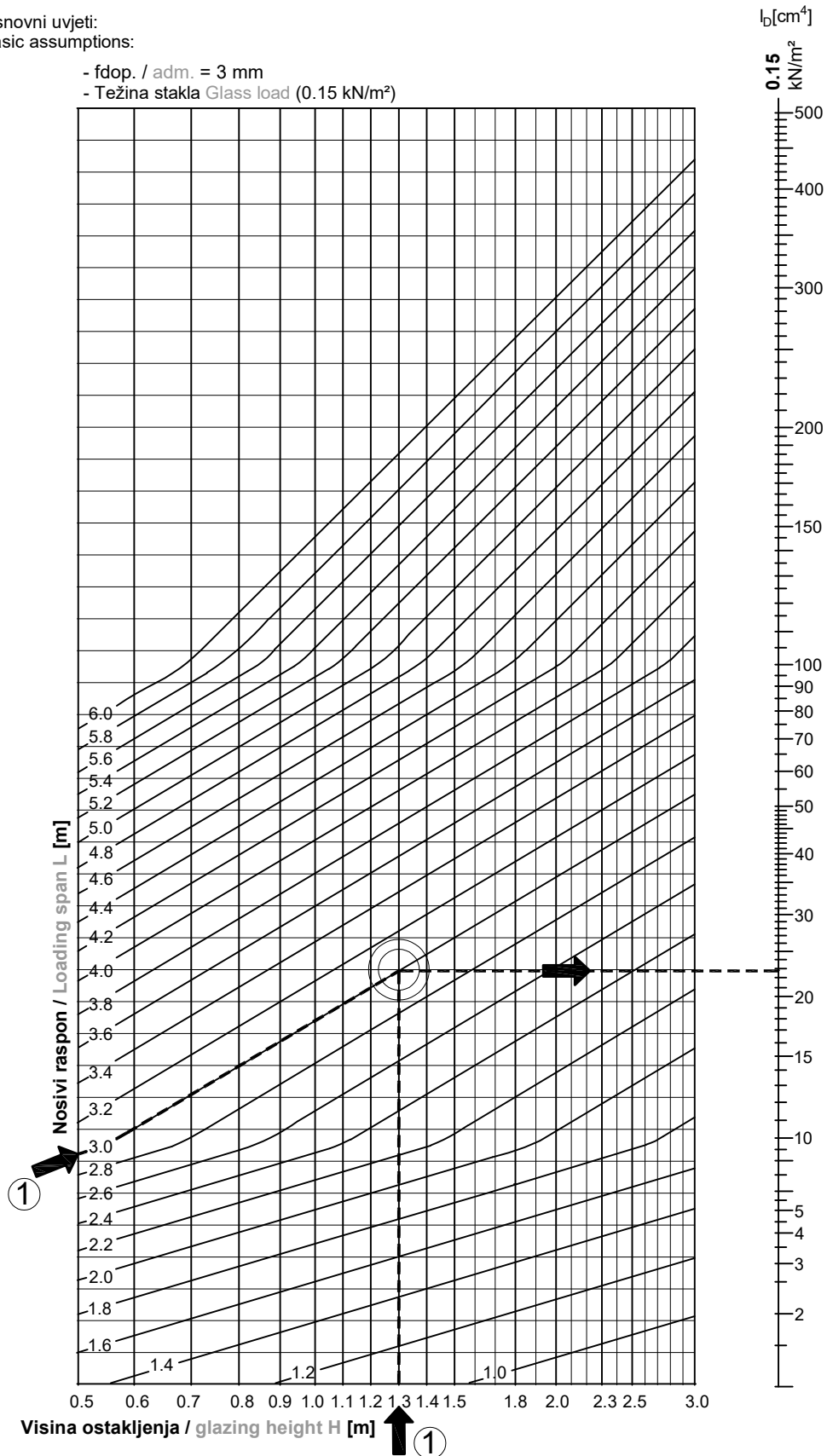
* Uf i Uw calculations without XPS isolation in the profiles

Proračun koeficijenta prolaza topline
Calculation of thermal transmittance<http://termika.feal.ba/>

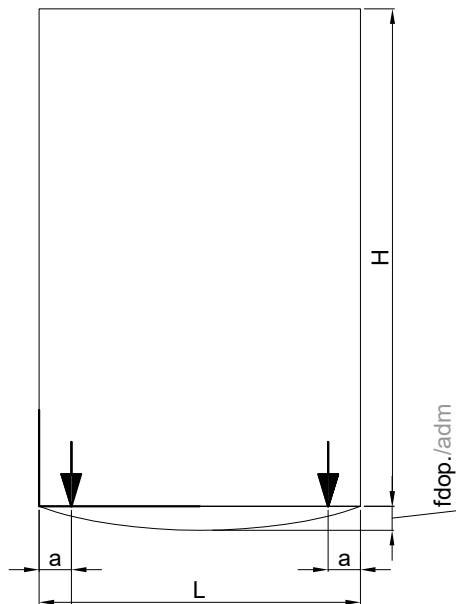
Statički dijagram težina stakla Structural diagram glass load

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 raspona / Load span:

L = 3.00 m

Visina ostakljenja / Glazing height:

H = 1.30 m

Debljina ostakljenja / Glazing thickness:

D = 20 mm*

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

2. Određivanje potrebnog momenta I_y pod jediničnim opt. 0.15 kN/m²
Determination of required moment I_y under unit load 0.15 kN/m²za / for q_s 0.15 kN/m² $I_{y0.15} = 23 \text{ cm}^4$ (① dijagram / diagram)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 $I_y = K_{20} \cdot I_{y0.15} = (3.33) \cdot 23 \text{ cm}^4 = 77 \text{ cm}^4$ 

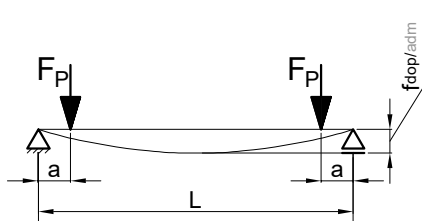
Vlastita težina profila nije uzeta u opterećenje !
The dead weight of the profile is not considered !

4. Odabrati profil iz tablice
Select the profile from the table

Statičke jednadžbe

Structural formulas

Nosač na dva oslonca / Beam on 2 supports



a = 150 mm fiksno / fixed

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

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

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

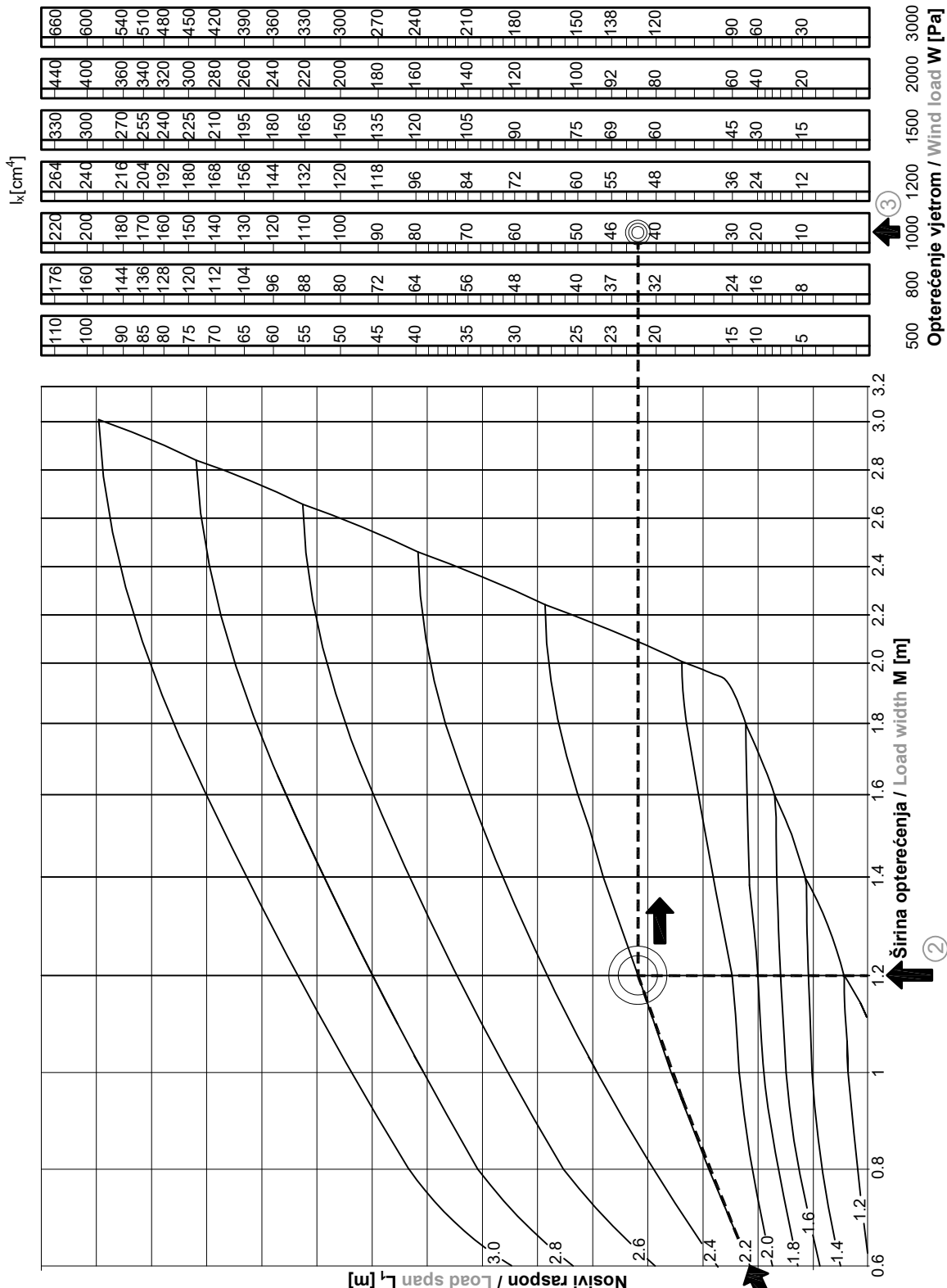
Tablica 1. Težina stakla
Table 1. Glass weight

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

①

Statički dijagram -opterećenje vjetrom Structural diagram of wind load

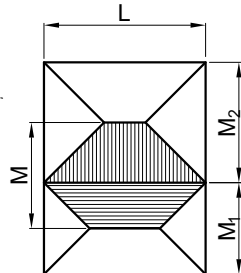
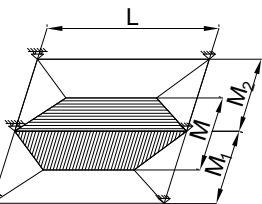
Trokutasto i trapezoidno opterećenje Triangular and trapezoidal load



Osnovni uvjeti
Basic assumptions:
fdop. / adm. = $L / 200$

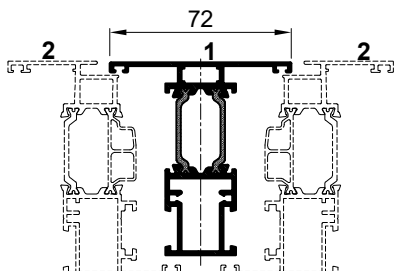
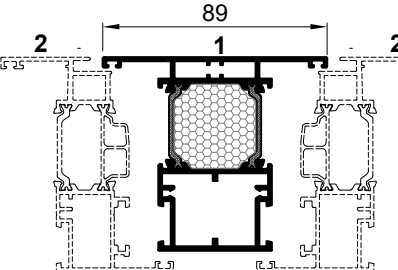
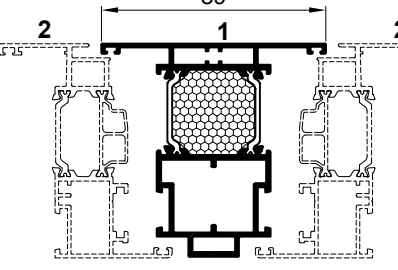
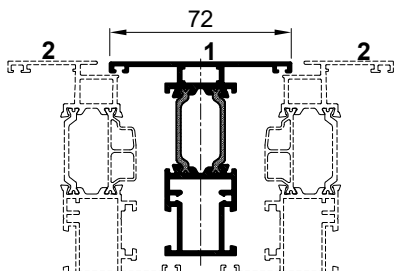
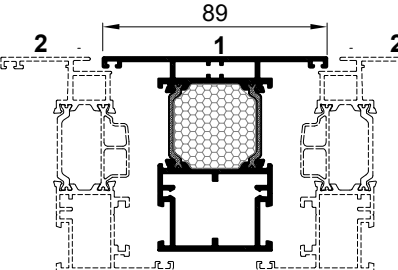
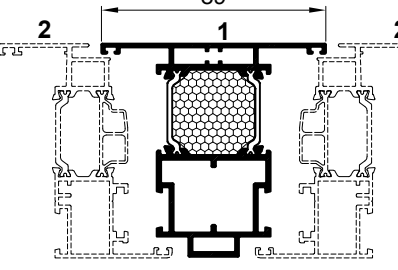
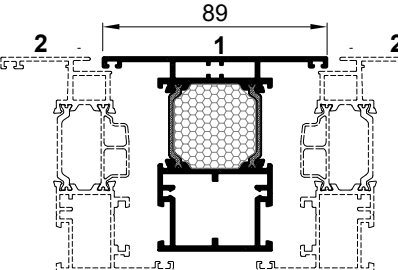
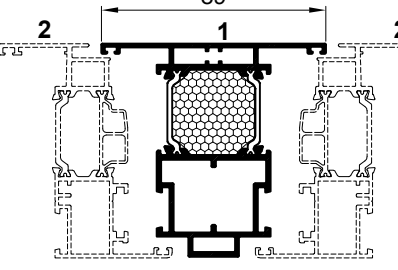
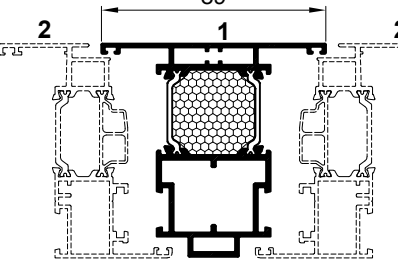
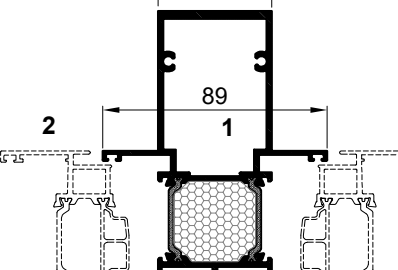
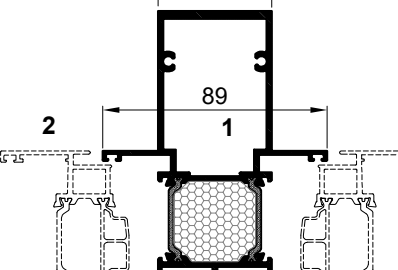
Trapezoidno
opterećenje

Trapezoidal load
 $M = (M_1 + M_2) / 2$



Primjer 1 / Example 1:	
① Nosivi raspon / Load span: $L = 2.20 \text{ m}$	② Širina opterećenja / Load width: $M_1 = 1.0 \text{ m}$ $M_2 = 1.4 \text{ m}$ $M = (M_1 + M_2) / 2 = 1.2 \text{ m}$
③ Tlak vjetra* / Wind pressure* $= 1000 \text{ Pa}$	
Rezultat / Result	
Potrebni l_x Required l_x $= 42 \text{ cm}^4$	
Odabrati odgovarajući profil iz tablice profila / Select the profile from the profile table	

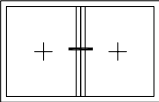
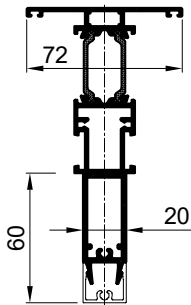
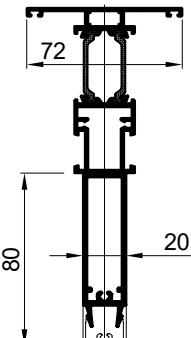
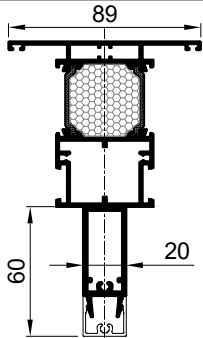
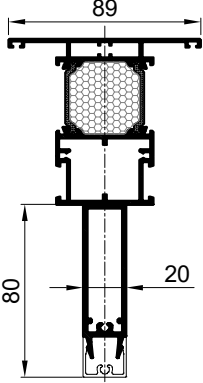
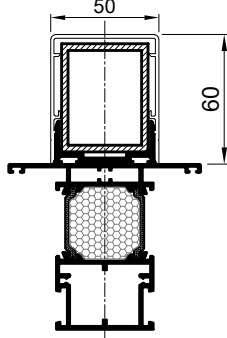
Vrijednosti momenta inercije
Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili Profiles 1+2	I _x (cm ⁴)	Profili Profiles 2+1+2	I _x (cm ⁴)						
  	 <table><tr><th>Profili Profiles</th><th>I_x (cm⁴)</th></tr><tr><td>1</td><td></td></tr><tr><td>FT-0205H</td><td>27</td></tr></table>	Profili Profiles	I _x (cm ⁴)	1		FT-0205H	27	FT-0205H+FT-0295H	61.23	FT-0295H+FT-0205H+FT-0295H	95.46
	Profili Profiles	I _x (cm ⁴)									
	1										
FT-0205H	27										
FT-0205H+FT-0203H	61.09	FT-0203H+FT-0205H+FT-0203H	95.18								
FT-0205H+FT-0221H	62.58	FT-0221H+FT-0205H+FT-0221H	61.09								
FT-0205H+FT-0204H	74.73	FT-0204H+FT-0205H+FT-0204H	122.46								
FT-0205H+FT-0230H	76.76	FT-0230H+FT-0205H+FT-0230H	126.52								
FT-0205H+FT-0218H	84.25	FT-0218H+FT-0205H+FT-0218H	141.5								
FT-0205H+FT-0247H	85.71	FT-0247H+FT-0205H+FT-0247H	144.42								
FT-0205H+FT-0275H	81.81	FT-0275H+FT-0205H+FT-0275H	136.62								
FT-0205H+FT-0291H	84.31	FT-0291H+FT-0205H+FT-0291H	141.62								
FT-0205H+FT-1615H	79.04	FT-1615H+FT-0205H+FT-1615H	131.08								
 	 <table><tr><th>Profili Profiles</th><th>I_x (cm⁴)</th></tr><tr><td>1</td><td></td></tr><tr><td>FT-0206H</td><td>34.87</td></tr></table>	Profili Profiles	I _x (cm ⁴)	1		FT-0206H	34.87	FT-0206H+FT-0295H	69.1	FT-0295H+FT-0206H+FT-0295H	103.33
	Profili Profiles	I _x (cm ⁴)									
	1										
FT-0206H	34.87										
FT-0206H+FT-0203H	68.96	FT-0203H+FT-0206H+FT-0203H	103.05								
FT-0206H+FT-0221H	70.45	FT-0221H+FT-0206H+FT-0221H	106.03								
FT-0206H+FT-0204H	82.6	FT-0204H+FT-0206H+FT-0204H	130.33								
FT-0206H+FT-0230H	84.63	FT-0230H+FT-0206H+FT-0230H	134.39								
FT-0206H+FT-0218H	92.12	FT-0218H+FT-0206H+FT-0218H	149.37								
FT-0206H+FT-0247H	93.58	FT-0247H+FT-0206H+FT-0247H	152.29								
FT-0206H+FT-0275H	89.68	FT-0275H+FT-0206H+FT-0275H	144.49								
FT-0206H+FT-0291H	92.18	FT-0291H+FT-0206H+FT-0291H	149.49								
FT-0206H+FT-1615H	86.91	FT-1615H+FT-0206H+FT-1615H	138.95								
	 <table><tr><th>Profili Profiles</th><th>I_x (cm⁴)</th></tr><tr><td>1</td><td></td></tr><tr><td>FT-0276H</td><td>44.24</td></tr></table>	Profili Profiles	I _x (cm ⁴)	1		FT-0276H	44.24	FT-0276H+FT-0295H	78.47	FT-0295H+FT-0276H+FT-0295H	112.7
	Profili Profiles	I _x (cm ⁴)									
	1										
FT-0276H	44.24										
FT-0276H+FT-0203H	78.33	FT-0203H+FT-0276H+FT-0203H	112.42								
FT-0276H+FT-0221H	79.82	FT-0221H+FT-0276H+FT-0221H	115.4								
FT-0276H+FT-0204H	91.97	FT-0204H+FT-0276H+FT-0204H	139.7								
FT-0276H+FT-0230H	94	FT-0230H+FT-0276H+FT-0230H	143.76								
FT-0276H+FT-0218H	101.49	FT-0218H+FT-0276H+FT-0218H	158.74								
FT-0276H+FT-0247H	102.95	FT-0247H+FT-0276H+FT-0247H	161.66								
FT-0276H+FT-0275H	99.05	FT-0275H+FT-0276H+FT-0275H	153.86								
FT-0276H+FT-0291H	101.55	FT-0291H+FT-0276H+FT-0291H	158.86								
FT-0276H+FT-1615H	96.28	FT-1615H+FT-0276H+FT-1615H	148.32								
	 <table><tr><th>Profili Profiles</th><th>I_x (cm⁴)</th></tr><tr><td>1</td><td></td></tr><tr><td>FT-0209H</td><td>133.33</td></tr></table>	Profili Profiles	I _x (cm ⁴)	1		FT-0209H	133.33	FT-0209H+FT-0295H	167.56	FT-0295H+FT-0209H+FT-0295H	201.79
	Profili Profiles	I _x (cm ⁴)									
	1										
FT-0209H	133.33										
FT-0209H+FT-0203H	167.42	FT-0203H+FT-0209H+FT-0203H	201.51								
FT-0209H+FT-0221H	168.91	FT-0221H+FT-0209H+FT-0221H	204.49								
FT-0209H+FT-0204H	181.06	FT-0204H+FT-0209H+FT-0204H	228.79								
FT-0209H+FT-0230H	183.09	FT-0230H+FT-0209H+FT-0230H	232.85								
FT-0209H+FT-0218H	190.58	FT-0218H+FT-0209H+FT-0218H	247.83								
FT-0209H+FT-0247H	192.04	FT-0247H+FT-0209H+FT-0247H	250.75								
FT-0209H+FT-0275H	188.14	FT-0275H+FT-0209H+FT-0275H	242.85								
FT-0209H+FT-0291H	190.64	FT-0291H+FT-0209H+FT-0291H	247.95								
FT-0209H+FT-1615H	185.37	FT-1615H+FT-0209H+FT-1615H	237.41								

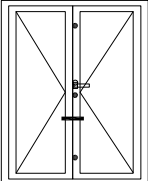
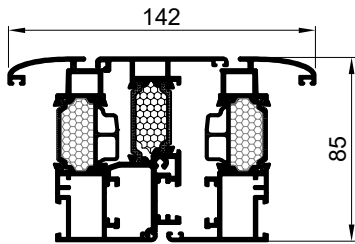
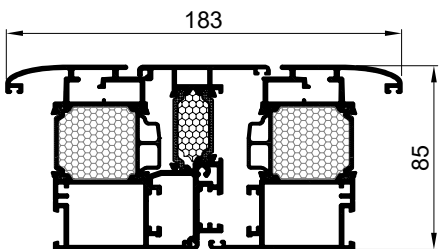
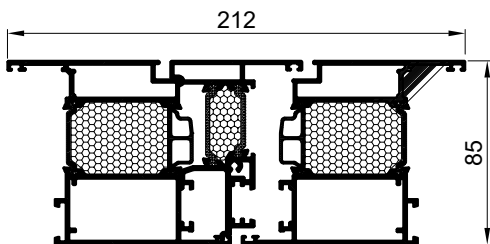
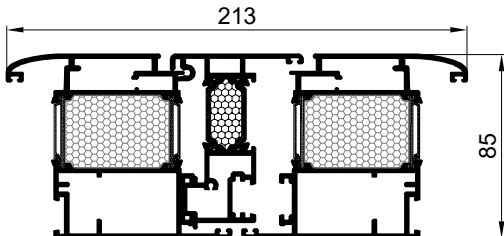
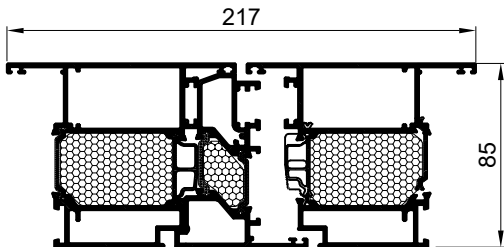
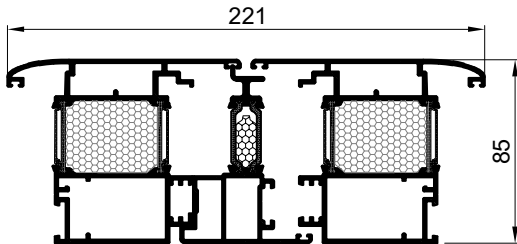
* Preduvjet: minimalno tri točke ključanja, s maksimalnim međusobnim razmakom 800 mm

* Precondition: min. 3 locking points, with max. distance between locking points 800 mm

Vrijednosti momenta inercije
 Moment of inertia values

Tip otvaranja Opening type	Profili Profiles	Profili Profiles	I _x (cm ⁴)
		FT-0205H i F-1634	101.35
		FT-0205H i NP-4183	150.27
		FT-0206H i F-1634	114.24
		FT-0206H i NP-4183	167.82
		FT-0206H i čelični profil 50x40x3	220.7

Vrijednosti momenta inercije Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili Profiles	Ix (cm ⁴)
		(FT-0203H i FT-0286H) + FT-0203H	96.26
		(FT-0204H i FT-0286H) + FT-0204H	124.41
		(FT-0275H i FT-0277H) + FT-0275H	138.52
		(FT-0218H i FT-0211/AH) + FT-0218H	146.54
		(FT-0279H i FT-0281H) + FT-0279H	146.17
		(FT-0219H i FT-0213/AH) + FT-0219H	142.91

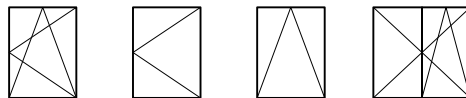
PREPORUKE ZA ODABIR PROFILA KRILA OVISNO O VELIČINI KRILA RECOMMENDATIONS FOR SELECTION OF SASH PROFILE BASED ON THE SASH SIZE

Grupa A - profili krila za prozore

Grupa B - profili krila za prozore i balkonska vrata

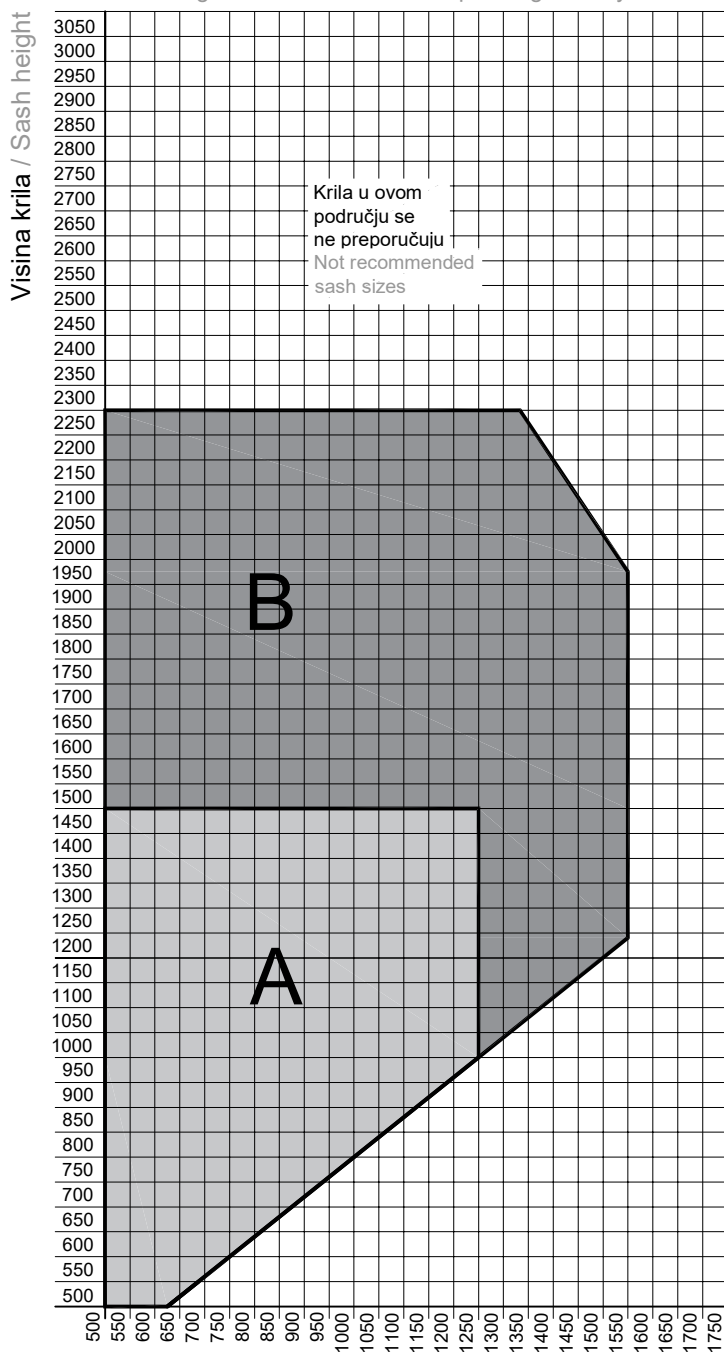
Group A - sash profiles for windows

Group B - sash profiles for windows and balcony doors



Dijagram veličina krila ovisan o geometriji profila krila

Sash size diagram based on the sash profile geometry



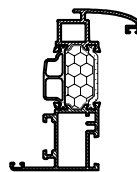
Prije konačnog odabira profila i dimenzija krila uzeti u obzir i ograničenja primjene okova prema preporuci proizvođača okova. Za izradu krila čije dimenzije se nalaze van graničnih dimenzija u dijagramu, staklo obavezno zalijepiti za profil krila (preporuke za lijepljenje /Knjiga B/ str. 204.11.010).

Before choosing the profile and sash dimensions, take into account the limitations of the application of hardware as recommended by the manufacturer of the hardware! To make sashes whose dimensions are outside the limits indicated in the diagram, the glass must be glued to the sash profile (recommendations for gluing /Book B/ page 204.11.010).

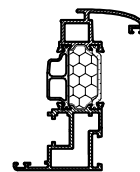
Grupa A

A ≤ 90 kg

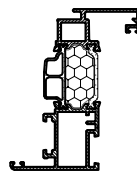
FT-0203HF



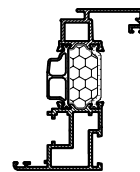
FT-0236HF



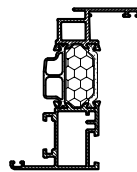
FT-0221HF



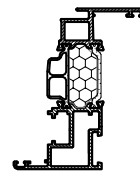
FT-0239HF



FT-0295HF



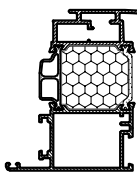
FT-0296HF



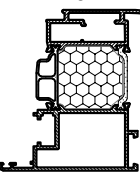
Grupa B

B ≤ 180 kg

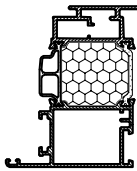
FT-0204HF



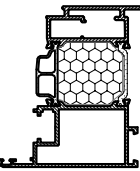
FT-0244HF



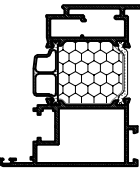
FT-0230HF



FT-0246HF



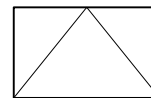
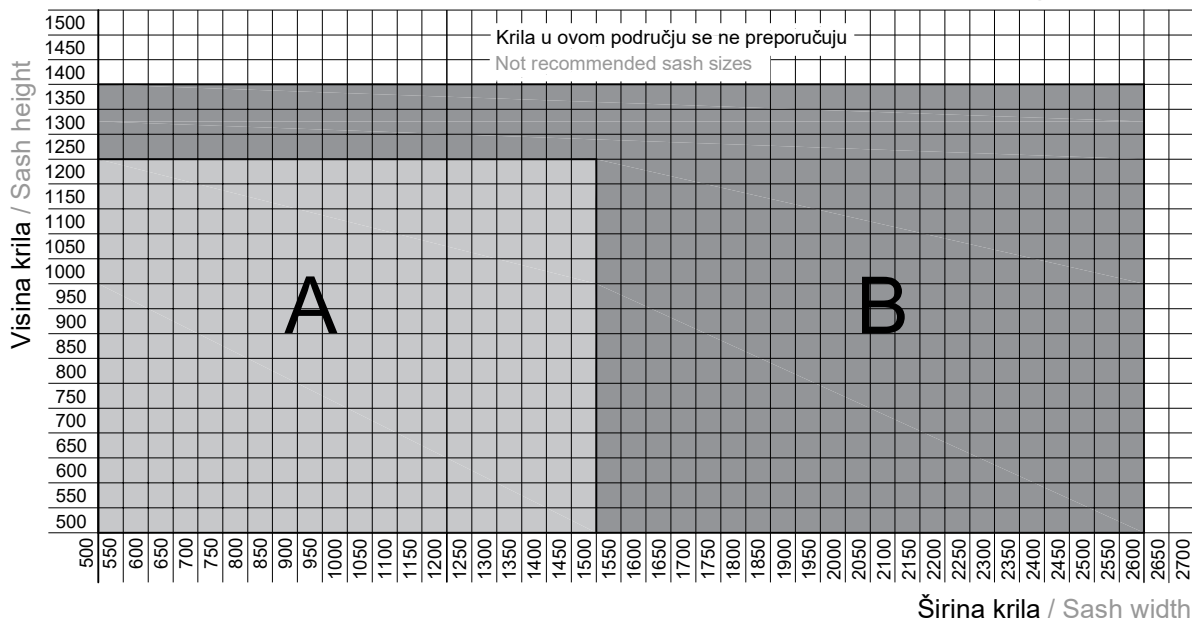
FT-1610HF



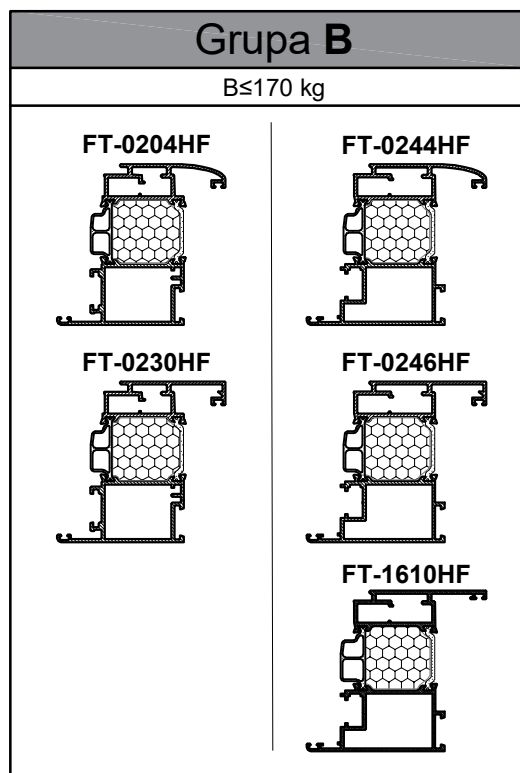
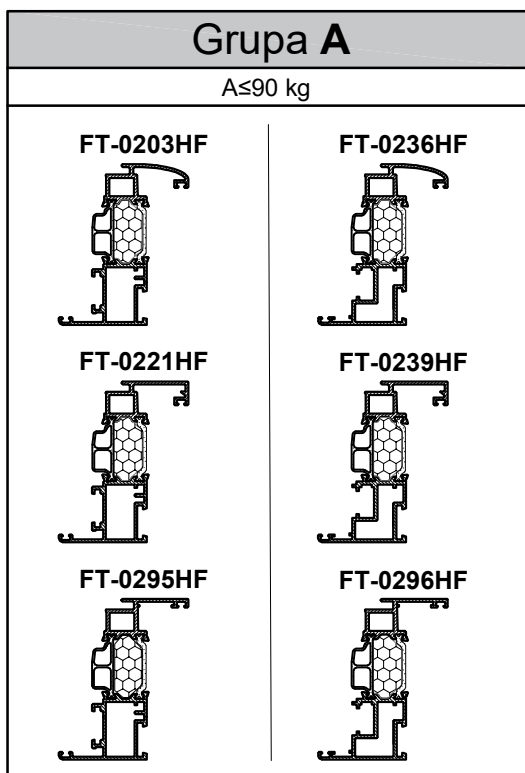
PREPORUKE ZA ODABIR PROFILA KRILA OVISNO O VELIČINI KRILA
RECOMMENDATIONS FOR SELECTION OF SASH PROFILE BASED ON THE SASH SIZE

Grupa A i B - profili krila za prozore
Group A and B - sash profiles for windows

Dijagram veličina krila ovisan o geometriji profila krila
Sash size diagram based on the sash profile geometry



Nadsvjetlo
Top light



Prije konačnog odabira profila i dimenzija krila uzeti u obzir i ograničenja primjene okova prema preporuci proizvođača okova. Za izradu krila čije dimenzije se nalaze van graničnih dimenzija u dijagramu, staklo obavezno zalijepiti za profil krila (preporuke za lijepljenje /Knjiga B/ str. 204.11.010).

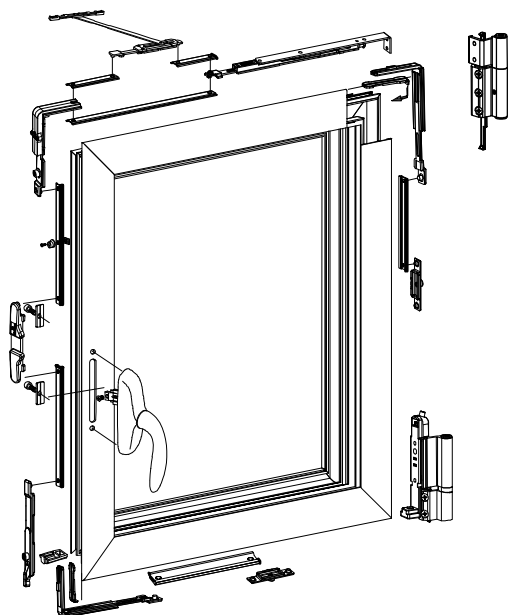
Before choosing the profile and sash dimensions, take into account the limitations of the application of hardware as recommended by the manufacturer of the hardware! To make sashes whose dimensions are outside the limits indicated in the diagram, the glass must be glued to the sash profile (recommendations for gluing /Book B/ page 204.11.010).

134.026.xx - OTKLOPNO-ZAOKRETNI MEHANIZAM - STUBLINA (4135.00)

134.026.xx - TILT-TURN MECHANISM - STUBLINA (4135.00)

Maksimalna težina krila 100 kg
Maximum sash weight 100 kg
Tablica nosivosti za:
Table of loads:

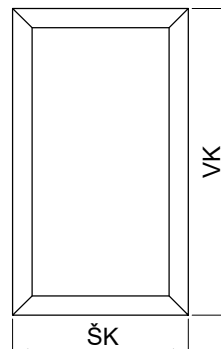
4135.00
4136.00
4137.00



Debljina stakla (mm)
Glass thickness (mm)

2400	38	31	27	23	20	18	16	15	14	13	12	11	10
2300	38	34	28	25	21	19	17	15	14	13	12	11	10
2200	38	33	30	25	22	20	18	16	15	14	13	11	10
2100	38	35	31	23	23	21	19	17	16	14	13	12	11
2000	38	38	33	28	25	22	20	18	16	15	14	12	11
1900	38	38	34	30	26	23	20	19	17	16	15	14	13
1800	38	38	38	31	27	24	21	20	18	16	15	14	13
1700	38	38	38	33	29	26	23	21	18	17	16	16	14
1600	38	38	38	35	31	27	25	22	20	18	16	15	13
1500	38	38	38	38	33	29	26	24	21	18	17	15	13
1400	38	38	38	38	35	31	27	25	22	21	17	16	13
1300	38	38	38	38	38	34	31	25	25	21	18	15	13
1200	38	38	38	38	38	35	33	29	25	21	18	15	13
1100	38	38	38	38	38	38	33	29	25	21	18	15	12
1000	38	38	38	38	38	38	33	29	25	21	18	13	10
900	38	38	38	38	38	38	33	29	21	19	15	11	8
800	38	38	38	38	38	38	31	25	20	15	10	8	x
700	38	38	38	38	38	33	31	24	18	13	x	x	x
600	38	38	38	38	38	33	31	21	x	x	x	x	x
500	38	38	38	38	38	29	x	x	x	x	x	x	x
465	38	38	38	38	38	x	x	x	x	x	x	x	x
VK(mm) ŠK(mm)	425	535	600	700	800	900	1000	1100	1200	1300	1400	1500	1600

x Neizvedivo / Unfeasible

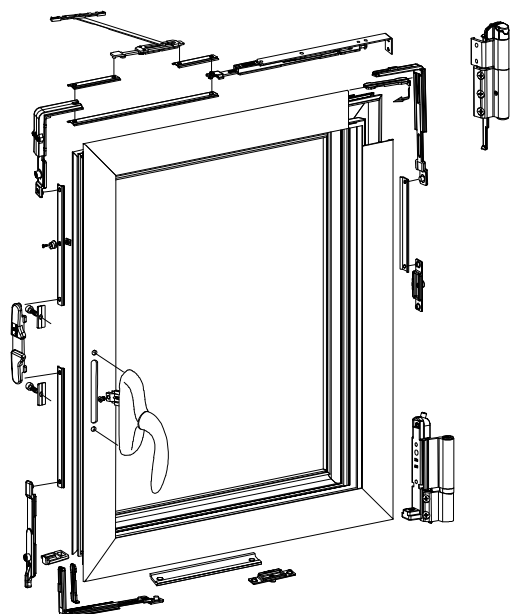


Debljina stakla
Glass thickness

mm	kg/m ²
6	15
8	20
10	25
12	30
14	35
16	40
18	45
20	50
22	55
24	60
26	65
28	70
30	80
32	85
34	90
36	95
38	100
40	105
42	110
44	115
46	120
48	125

Maksimalna težina krila 130 kg
Maximum sash weight 130 kg
Tablica nosivosti za:
Table of loads:

4135.00U
4136.00U
4137.00U

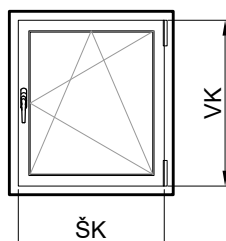


Debljina stakla (mm)
Glass thickness (mm)

2400	48	38	34	29	26	23	21	19	17	16	15	14	13
2300	48	40	36	31	27	24	21	20	18	17	15	14	13
2200	48	42	37	32	28	25	22	20	19	17	16	15	14
2100	48	44	39	34	29	26	24	21	20	18	17	16	15
2000	48	46	41	35	31	27	25	22	21	19	18	16	15
1900	48	48	43	37	33	29	26	24	22	20	19	17	16
1800	48	48	46	39	34	30	27	25	23	21	20	18	17
1700	48	48	48	42	36	32	29	26	24	22	21	19	18
1600	48	48	48	44	39	34	31	28	26	24	22	21	18
1500	48	48	48	47	41	37	33	30	27	25	24	21	18
1400	48	48	48	48	44	39	35	32	29	27	24	21	18
1300	48	48	48	48	48	42	38	35	32	27	24	21	18
1200	48	48	48	48	48	46	41	37	32	27	24	21	18
1100	48	48	48	48	48	48	45	37	32	27	24	20	16
1000	48	48	48	48	48	48	42	37	32	27	24	18	14
900	48	48	48	48	48	48	42	37	29	25	20	14	10
800	48	48	48	48	48	48	40	34	24	18	15	10	x
700	48	48	48	48	48	42	40	30	22	16	8	x	x
600	48	48	48	48	48	41	40	28	15	x	x	x	x
500	48	48	48	48	48	36	32	x	x	x	x	x	x
465	48	48	48	48	48	x	x	x	x	x	x	x	x
VK(mm) ŠK(mm)	425	535	600	700	800	900	1000	1100	1200	1300	1400	1500	1600

x Neizvedivo / Unfeasible

OTKLOPNO-ZAOKRETNI MEHANIZAM - GIESSE FUTURA 3D (130 micro)
TILT-TURN MECHANISM - GIESSE FUTURA 3D (130 micro)



Maksimalna težina krila **140 kg**
Maximum sash weight **140 kg**

Maksimalna težina krila (kg)
Maximum sash weight (kg)

Maximum load weight (kg)																
3000	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	x
2900	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	
2800	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	
2700	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	
2600	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	
2500	140	140	140	140	140	140	140	140	140	140	140	140	140	140	130	
2400	140	140	140	140	140	140	140	140	140	140	140	140	140	140	130	
2300	140	140	140	140	140	140	140	140	140	140	140	140	140	140	130	
2200	140	140	140	140	140	140	140	140	140	140	140	140	140	140	130	
2100	140	140	140	140	140	140	140	140	140	140	140	140	140	140	130	
2000	140	140	140	140	140	140	140	140	140	140	140	140	140	139	125	
1900	140	140	140	140	140	140	140	140	140	140	140	140	140	132	118	
1800	140	140	140	140	140	140	140	140	140	140	140	140	133	125	112	
1700	140	140	140	140	140	140	140	140	140	140	140	134	126	118	118	
1600	140	140	140	140	140	140	140	140	140	135	126	118	111	105		
1500	140	140	140	140	140	140	140	140	137	127	118	111	104	99		
1400	140	140	140	140	140	140	140	138	127	118	110	104	97		x	
1300	140	140	140	140	140	140	140	128	118	110	103	96		x	x	
1200	140	140	140	140	140	140	129	118	109	101	95		x	x	x	
1100	140	140	140	140	140	130	118	108	100	93		x	x	x	x	
1000	140	140	140	140	131	118	108	99	91		x	x	x	x	x	
900	140	140	140	133	118	106	97	89		x	x	x	x	x	x	
800	140	140	135	118	105	95	86		x	x	x	x	x	x	x	
700	140	138	118	104	92	83		x	x	x	x	x	x	x	x	
Lx(mm) Ex(mm)	500															
	600															
	700															
	800															
	900															
	1000															
	1100															
	1200															
1300																
1400																
1500																
1600																
1700																
1800																

350

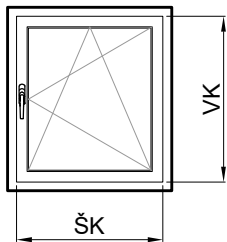
☒ **Neizvedivo / Unfeasible**

Maksimalna debljina stakla (mm)
Maximum glass thickness (mm)

3000	35	28	24	21	19	17	15	14	13	12	11	11	10	x
2900	35	29	25	22	20	18	16	15	14	13	12	11	10	10
2800	36	30	26	23	20	18	17	15	14	13	12	11	11	10
2700	38	31	27	24	21	19	17	16	15	13	13	12	11	10
2600	39	33	28	25	22	20	18	16	15	14	13	12	12	11
2500	44	37	31	27	24	22	20	18	17	16	15	14	13	11
2400	46	38	33	29	25	23	21	19	18	16	15	14	13	12
2300	48	40	34	30	27	24	22	20	18	17	16	15	14	12
2200	50	42	36	31	28	25	23	21	19	18	17	16	15	13
2100	50	44	37	33	29	26	24	22	20	19	17	16	15	13
2000	50	46	39	34	31	27	25	23	21	20	18	17	16	14
1900	50	48	41	36	32	29	26	24	22	21	19	18	16	14
1800	50	50	44	38	34	31	28	25	23	22	20	18	16	14
1700	50	50	46	40	36	32	29	27	25	23	21	18	16	14
1600	50	50	49	43	38	34	31	29	26	24	21	18	16	14
1500	50	50	50	46	41	37	33	31	27	24	21	18	16	14
1400	50	50	50	49	44	39	36	32	27	24	21	18	16	x
1300	50	50	50	50	47	42	38	32	27	24	21	18	x	x
1200	50	50	50	50	50	46	38	32	27	24	21	x	x	x
1100	50	50	50	50	50	46	38	32	27	24	x	x	x	x
1000	50	50	50	50	50	46	38	32	27	x	x	x	x	x
900	50	50	50	50	50	46	38	32	x	x	x	x	x	x
800	50	50	50	50	50	46	38	x	x	x	x	x	x	x
700	50	50	50	50	50	46	x	x	x	x	x	x	x	x
$\frac{V_k(mm)}{S_k(mm)}$	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800

350

X Neizvedivo / Unfeasible

SKRIVENI OTKLOPNO-ZAOKRETNI MEHANIZAM - GIESSE CHIC 3D STANDARD
HIDDEN TILT-TURN MECHANISM - GIESSE CHIC 3D STANDARD

Maksimalna
težina krila **100 kg**
Maximum
sash weight **100 kg**

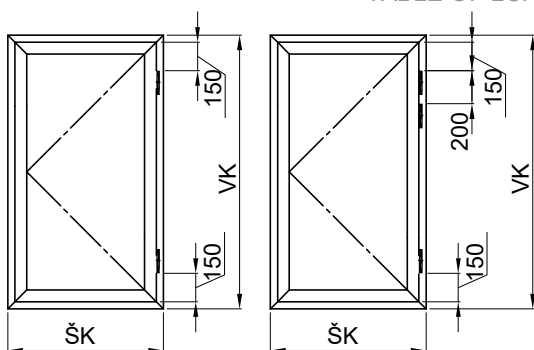
Maksimalna debljina stakla (mm) Maximum glass thickness (mm)														
2500	33	27	23	20	18	16	15	14	13	12	11			
2400	33	27	23	20	18	16	15	14	13	12	11			
2300	34	28	24	21	19	17	16	14	13	12	11			
2200	36	30	25	22	20	18	16	15	14	13	12			
2100	37	31	27	23	21	19	17	16	14	13	12			
2000	39	33	28	25	22	20	18	16	15	14	13			
1900	41	34	30	26	23	21	19	17	16	15	14			
1800	44	36	31	27	24	22	20	18	17	16	15			
1700	46	38	33	29	26	23	21	19	18	16	15			
1600	49	41	35	31	27	25	22	20	19	17	15			
1500	50	44	37	33	29	26	24	22	20	17	15			
1400	50	47	40	35	31	28	25	23	20	17	15			
1300	50	50	43	38	34	30	27	24	20	17	15			
1200	50	50	47	41	36	33	28	24	20	17	15			
1100	50	50	50	45	40	34	28	24	20	17	x			
1000	50	50	50	49	42	34	28	24	20	x	x			
900	50	50	50	50	42	34	28	24	x	x	x			
800	50	50	50	50	42	34	28	x	x	x	x			
700	50	50	50	50	42	34	x	x	x	x	x			
600	Vk(mm) ŠK(mm)	500												
		600												
		700												
		800												
		900												
		1000												
		1100												
		1200												
		1300												
		1400												
		1500												
		445												
		x Neizvedivo / Unfeasible												

Maksimalna težina krila (kg) Maximum sash weight (kg)													
600	2500	100	100	100	100	100	100	100	100	100	100	100	100
	2400	100	100	100	100	100	100	100	100	100	100	100	100
	2300	100	100	100	100	100	100	100	100	100	100	100	100
	2200	100	100	100	100	100	100	100	100	100	100	100	100
	2100	100	100	100	100	100	100	100	100	100	100	100	100
	2000	100	100	100	100	100	100	100	100	100	100	100	100
	1900	100	100	100	100	100	100	100	100	100	100	100	100
	1800	100	100	100	100	100	100	100	100	100	100	100	100
	1700	100	100	100	100	100	100	100	100	100	100	100	98
	1600	100	100	100	100	100	100	100	100	100	100	99	92
	1500	100	100	100	100	100	100	100	100	100	100	93	87
	1400	100	100	100	100	100	100	100	100	100	93	87	81
	1300	100	100	100	100	100	100	100	94	87	80	75	
	1200	100	100	100	100	100	100	95	87	80	74	69	
	1100	100	100	100	100	100	95	87	79	73	68	x	
	1000	100	100	100	100	96	87	79	72	67	x	x	
	900	100	100	100	98	87	78	71	65	x	x	x	
	800	100	100	99	87	77	69	63	x	x	x	x	
	700	100	100	87	76	67	61	x	x	x	x	x	
		Vk(mm) ŠK(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500
		445											
		x Neizvedivo / Unfeasible											

Maksimalna debljina stakla (mm) Maximum glass thickness (mm)														
2800	35	29	25	22	19	17	16	14	13	12	12	x		
2700	37	31	26	23	20	18	17	15	14	13	12	x		
2600	39	32	28	24	21	19	18	16	15	14	13	12		
2500	43	35	30	27	24	21	19	18	16	15	14	13		
2400	43	35	30	27	24	21	19	18	16	15	14	13		
2300	44	37	32	28	25	22	20	18	17	16	15	14		
2200	46	39	33	29	26	23	21	19	18	17	15	14		
2100	49	40	35	30	27	24	22	20	19	17	16	15		
2000	51	43	36	32	28	26	23	21	20	18	17	16		
1900	54	45	38	34	30	27	24	22	21	19	18	17		
1800	57	47	40	35	31	28	26	24	22	20	19	18		
1700	60	50	43	38	33	30	27	25	23	21	20	18		
1600	60	53	46	40	35	32	29	27	25	23	21	18		
1500	60	57	49	43	38	34	31	28	26	24	21	18		
1400	60	60	52	46	40	36	33	30	28	24	21	18		
1300	60	60	56	49	44	39	36	33	28	24	21	18		
1200	60	60	60	53	47	43	39	33	28	24	21	x		
1100	60	60	60	58	52	46	39	33	28	24	x	x		
1000	60	60	60	60	57	47	39	33	28	x	x	x		
900	60	60	60	60	58	47	39	33	x	x	x	x		
800	60	60	60	60	58	47	39	x	x	x	x	x		
700	60	60	60	60	58	47	x	x	x	x	x	x		
Vk(mm) ŠK(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600		
	470													
x Neizvedivo / Unfeasible														

Maksimalna težina krila (kg) Maximum sash weight (kg)														
2800	124	124	124	124	124	124	124	124	124	124	124	124	124	x
2700	126	126	126	126	126	126	126	126	126	126	126	126	126	x
2600	128	128	128	128	128	128	128	128	128	128	128	128	128	128
2500	130	130	130	130	130	130	130	130	130	130	130	130	130	130
2400	130	130	130	130	130	130	130	130	130	130	130	130	130	130
2300	130	130	130	130	130	130	130	130	130	130	130	130	130	130
2200	130	130	130	130	130	130	130	130	130	130	130	130	130	130
2100	130	130	130	130	130	130	130	130	130	130	130	130	130	130
2000	130	130	130	130	130	130	130	130	130	130	130	130	130	130
1900	130	130	130	130	130	130	130	130	130	130	130	130	130	130
1800	130	130	130	130	130	130	130	130	130	130	130	130	130	130
1700	130	130	130	130	130	130	130	130	130	130	130	130	130	127
1600	130	130	130	130	130	130	130	130	130	130	130	130	127	119
1500	130	130	130	130	130	130	130	130	130	130	130	128	119	112
1400	130	130	130	130	130	130	130	130	130	130	129	119	111	104
1300	130	130	130	130	130	130	130	130	130	130	119	111	103	97
1200	130	130	130	130	130	130	130	130	130	129	110	102	95	x
1100	130	130	130	130	130	130	130	119	109	101	94	x	x	x
1000	130	130	130	130	130	130	119	108	99	92	x	x	x	x
900	130	130	130	130	119	107	98	90	x	x	x	x	x	x
800	130	130	130	119	106	95	87	x	x	x	x	x	x	x
700	130	130	119	104	93	84	x	x	x	x	x	x	x	x
600	Vk(mm) ŠK(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	
		x Neizvedivo / Unfeasible												

- TABLICE NOSIVOSTI SPOJNICA - TABLE OF LOADS FOR HINGES

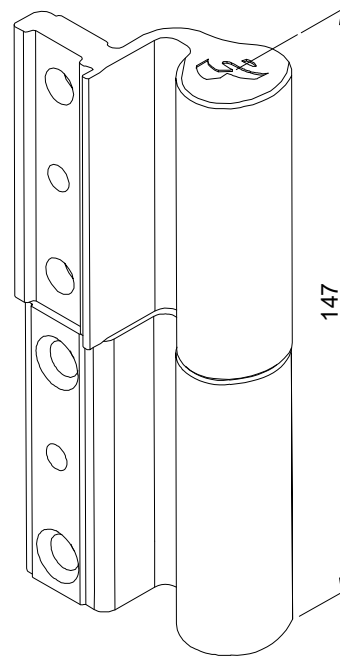


Napomena: Ukoliko se ugrade tri spojnice po preporuci, nosivost se uvećava za 10%.
Note: If three hinges are used as recommended, the load capability is increased 10%

Tablica nosivosti spojnice 114.001.xx (Stublina)

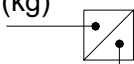
Table of loads for hinges 114.001.xx (Stublina)

2800	90 100	90 100	90 100	90 100	90 100	90 100	90 100	90 100	90 100	80 90	71 80	67 76	62 70
2700	90 100	90 100	90 100	90 100	90 100	90 100	90 100	90 100	90 100	76 86	67 76	62 70	58 66
2600	90 100	90 100	90 100	90 100	90 100	90 100	90 100	90 100	80 90	71 80	67 76	58 66	57 63
2500	90 100	90 100	90 100	90 100	90 100	90 100	90 100	90 100	76 86	67 76	62 70	58 66	55 61
2400	90 100	90 100	90 100	90 100	90 100	90 100	80 90	71 80	65 72	58 66	56 62	54 60	
2300	90 100	90 100	90 100	90 100	90 100	90 100	74 82	67 76	62 70	57 64	54 60	52 59	
2200	90 100	90 100	90 100	90 100	90 100	80 90	71 80	62 70	58 66	56 62	51 58	49 56	
2100	90 100	90 100	90 100	90 100	90 100	74 82	65 72	58 66	56 62	51 58	49 56	47 52	
2000	90 100	90 100	90 100	90 100	80 90	69 78	62 70	56 62	54 60	50 57	47 52	45 50	
1900	90 100	90 100	90 100	90 100	71 80	62 70	58 66	54 60	49 56	47 52	45 50		
1800	90 100	90 100	90 100	80 90	67 76	58 66	54 60	51 58	49 56	47 52	45 50		
1700	90 100	90 100	90 100	71 80	62 70	57 64	51 58	49 56	47 52	45 50			
1600	90 100	90 100	76 85	65 72	58 66	54 60	49 56	47 52	45 50				
1500	90 100	90 100	70 79	58 66	54 60	50 57	48 53	45 50					
1400	90 100	76 86	62 70	56 62	51 58	47 52	45 50						
1300	90 100	68 75	58 66	54 60	49 55	46 50							
VK	ŠK	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800



114.001.xx

A (kg)



B (kg)

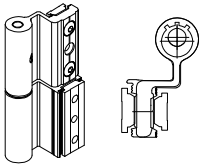
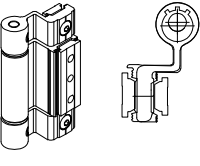
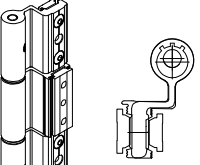
A - javna upotreba sa dvije spojnice

A - public use with two hinges

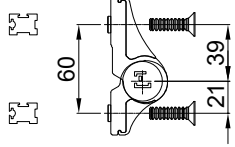
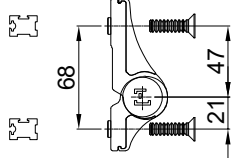
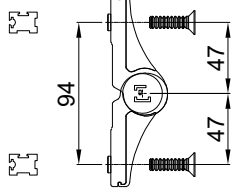
B - privatna upotreba sa dvije spojnice

B - private use with two hinge

- TABLICE NOSIVOSTI ŠARKI
 - TABLE OF LOADS FOR HINGES

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Nosivost Load	
			2 šarke 2 hinges	3 šarke 3 hinges
114.004.01 02 03		- Dvodijelna šarka-EURO ŽLIJEB - Oznaka proizvođača Stublina: 2024.00 - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge-EURO GROOVE - Manufacturer code Stublina: 2024.00 - Color: 01- white; 02 - gray;03 - black	Javna upotreba Public use	
			70 kg	85 kg
			Privatna upotreba Private use	
			80 kg	100 kg
114.005.01 02 03		- Trodijelna šarka-EURO ŽLIJEB - Oznaka proizvođača Stublina: 2129.00 - Boje: 01- bijela; 02 - siva;03 - crna - Three-part hinge-EURO GROOVE - Manufacturer code Stublina: 2129.00 - Color: 01- white; 02 - gray;03 - black	Javna upotreba Public use	
			90 kg	95 kg
			Privatna upotreba Private use	
			90 kg	100 kg
114.006.01 02 03		- Trodijelna šarka-EURO ŽLIJEB - Oznaka proizvođača Stublina: 2124.00 - Boje: 01- bijela; 02 - siva;03 - crna - Three-part hinge-EURO GROOVE - Manufacturer code Stublina: 2124.00 - Color: 01- white; 02 - gray;03 - black	Javna upotreba Public use	
			100 kg	105 kg
			Privatna upotreba Private use	
			100 kg	110 kg

- TABLICE NOSIVOSTI ŠARKI
- TABLE OF LOADS FOR HINGES

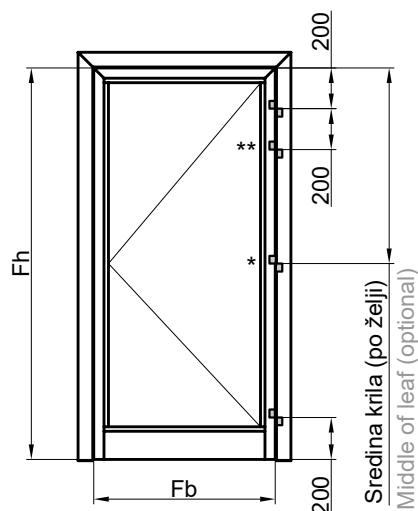
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Nosivost Load (2 šarke 2 hinges)
113.008.01 02 03		- Dvodijelna šarka OSNO 60 - Oznaka proizvođača ALU-B: Max3D 60 - Boje: 01- bijela; 02 - siva; 03 - crna - Two-part hinge AXIS 60 - Manufacturer code ALU-B: Max3D 60 - Color: 01- white; 02 - gray; 03 - black	120 kg
113.009.01 02 03		- Dvodijelna šarka OSNO 68 - Oznaka proizvođača ALU-B: Max3D 68 - Boje: 01- bijela; 02 - siva; 03 - crna - Two-part hinge AXIS 68 - Manufacturer code ALU-B: Max3D 68 - Color: 01- white; 02 - gray; 03 - black	120 kg
113.011.01 02 03		- Dvodijelna šarka OSNO 94 - Oznaka proizvođača ALU-B: Max3D 94 - Boje: 01- bijela; 02 - siva; 03 - crna - Two-part hinge AXIS 94 - Manufacturer code ALU-B: Max3D 94 - Color: 01- white; 02 - gray; 03 - black	120 kg

Preporuke za ugradnju šarki

Recommendations for montage of the hinges

Fh = Visina krila
Leaf height

Fb = Širina krila
Leaf width



EN 1935:2002 Annex E

Zatvarači vrata povećavaju opterećenje na šarke i njihov stupanj trošenja. Za zatvarače bez prigušenja otvaranja efektivna masa vrata je 20% veća od stvarne mase vrata. Za zatvarače s prigušenjem otvaranja efektivna masa vrata je 75% veća od stvarne mase vrata.

* Dodatna šarka za bolje brtvljenje preporučuje se za visine krila iznad 2200 mm.

** Na vratima s ugrađenim zatvaračem kao i na vratima za javnu upotrebu potrebno je koristiti najmanje tri šarke.

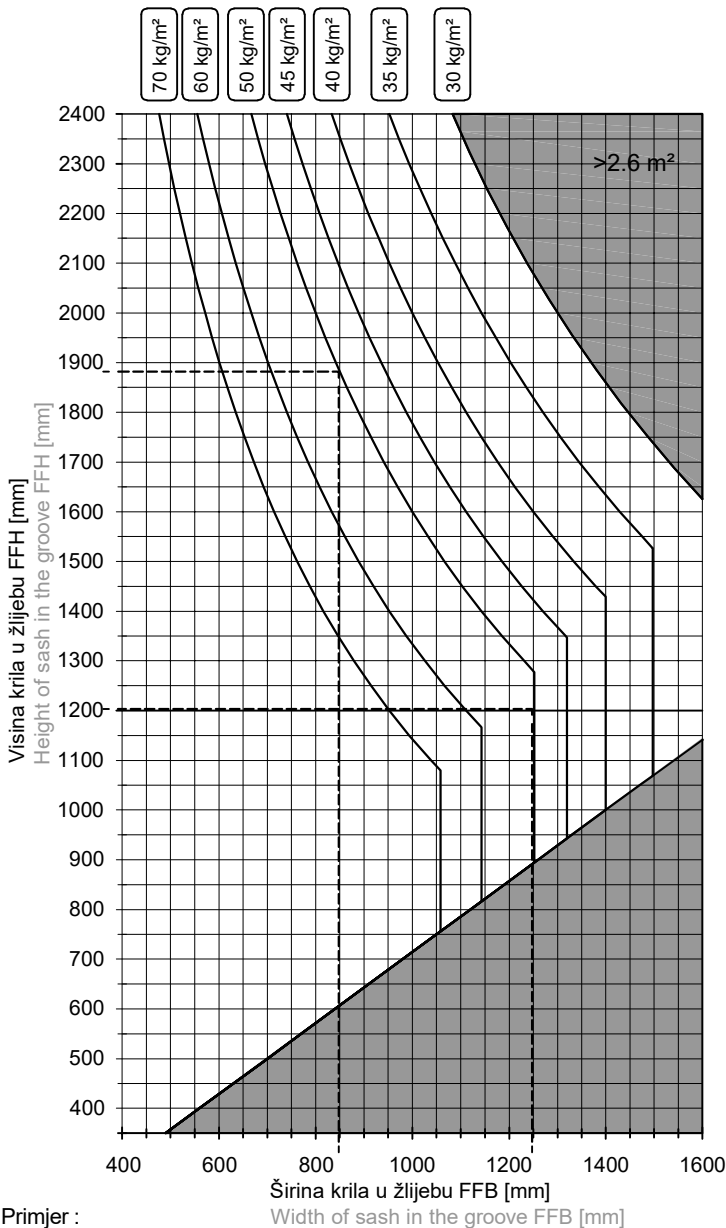
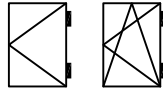
Door closers increase the loading on door hinges and their rate of wear. For door closers without backcheck the effective door mass is 20 % greater than the actual door mass. For back-check closers the effective door mass is calculated to be 75% greater.

* Additional door hinge for better sealing pressure is recommended for leaf height over 2200 mm.

** Doors fitted with door closers as well as doors for public use should use at least three hinges.

Dijagram primjene UNI-JET C za težine krila do 80 kg

Težine ispune



Primjer :

Težina krila = 50 kg/m²

Kod širine krila u žlijebu FFB od 850 mm dobijamo maksimalnu visinu krila u žlijebu FFH od 1880 mm.

Kod visine krila u žlijebu FFH od 1200 mm dobijamo maksimalnu širinu krila u žlijebu FFB od 1250 mm.

Napomena

Dozvoljene su dimenzije krila koje se nalaze samo lijevo od krivulje težina.

Nedozvoljene dimenzije su sivo zatamnjene. Ovaj dijagram primjene je važeći samo u vezi sa pripadajućim crtežom 0-44708.

Example :

Sash weight = 50 kg/m²

At the width of the wing 850mm in the FFB groove, we get the maximum height of the wing in the FFH groove 1880 mm.

At the height of the wing 1200 mm in the FFH groove, we get the maximum width of the sash in the FFH groove 1250mm.

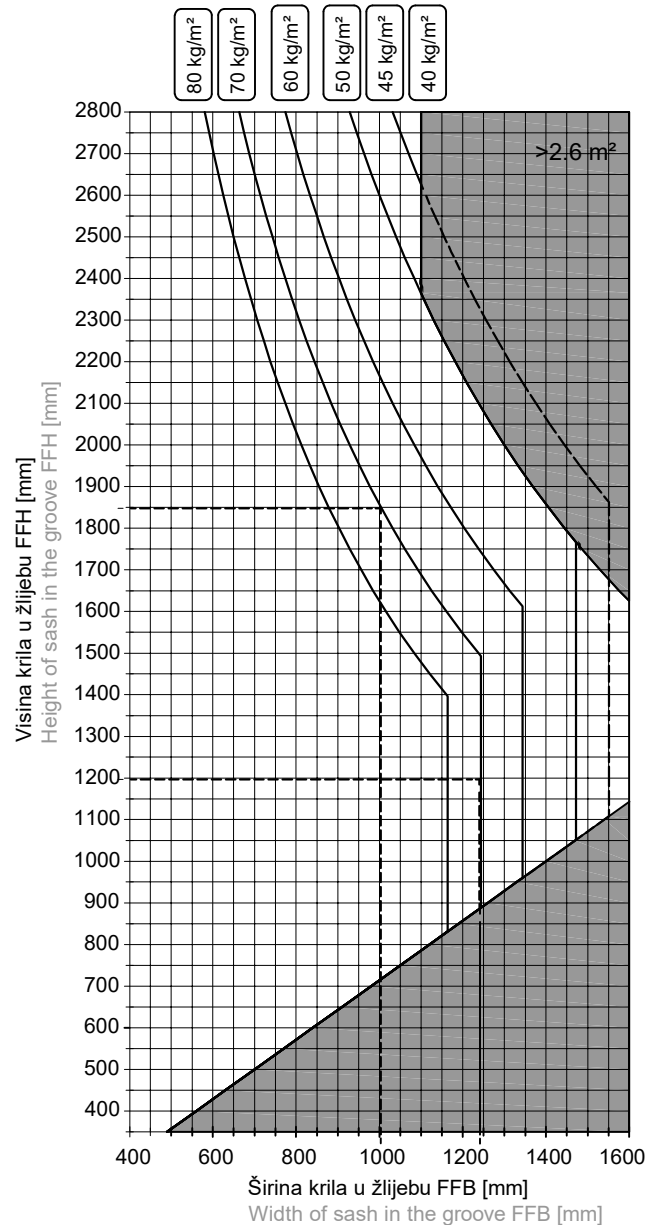
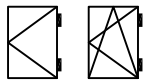
Remark

The authorized dimensions of the wings are located just to the left of the weight curve.

The unauthorized dimensions are gray dimmed. This application diagram is valid only in conjunction with the accompanying drawing 0-44708.

Dijagram primjene UNI-JET C za težine krila do 130 kg

Težine ispune



Primjer

Težina krila = 70 kg/m²

Kod širine krila u žlijebu FFB od 1000 mm dobijamo maksimalnu visinu krila u žlijebu FFH od 1850 mm.

Kod visine krila u žlijebu FFH od 1200 mm dobijamo maksimalnu širinu krila u žlijebu FFB od 1240 mm.

Napomena

Dozvoljene su dimenzije krila koje se nalaze lijevo od kriv. težina.

Nedozvoljene dimenzije su sivo zatamnjene. Ovaj dijagram primjene je važeći samo u vezi sa pripadajućim crtežom 0-44708.

Example

Sash weight = 70 kg/m²

At the width of the wing 1000 mm in the FFB groove, we get the maximum height of the wing in the FFH groove 1850 mm.

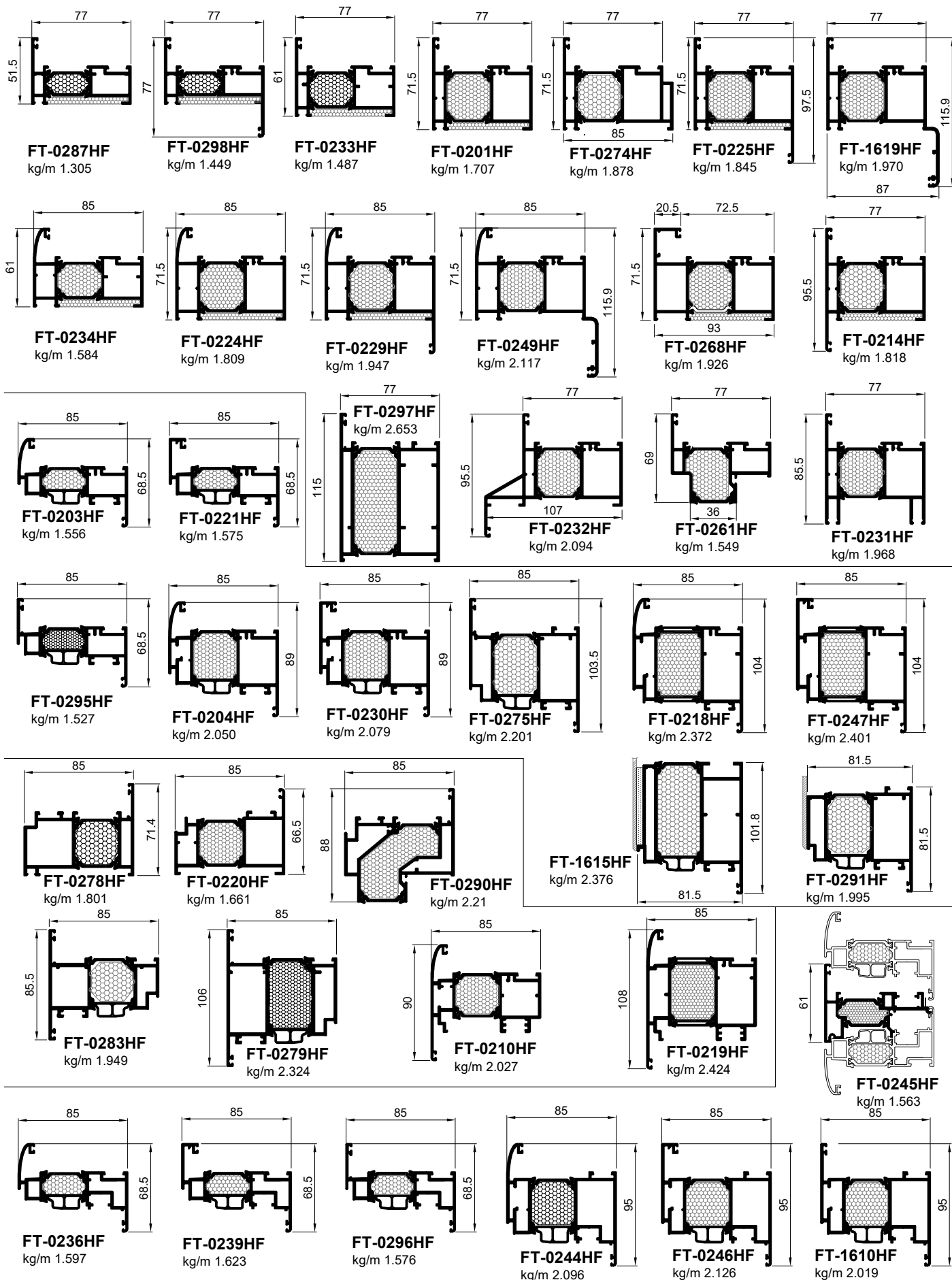
At the height of the wing 1200 mm in the FFH groove, we get the maximum width of the sash in the FFH groove 1240mm.

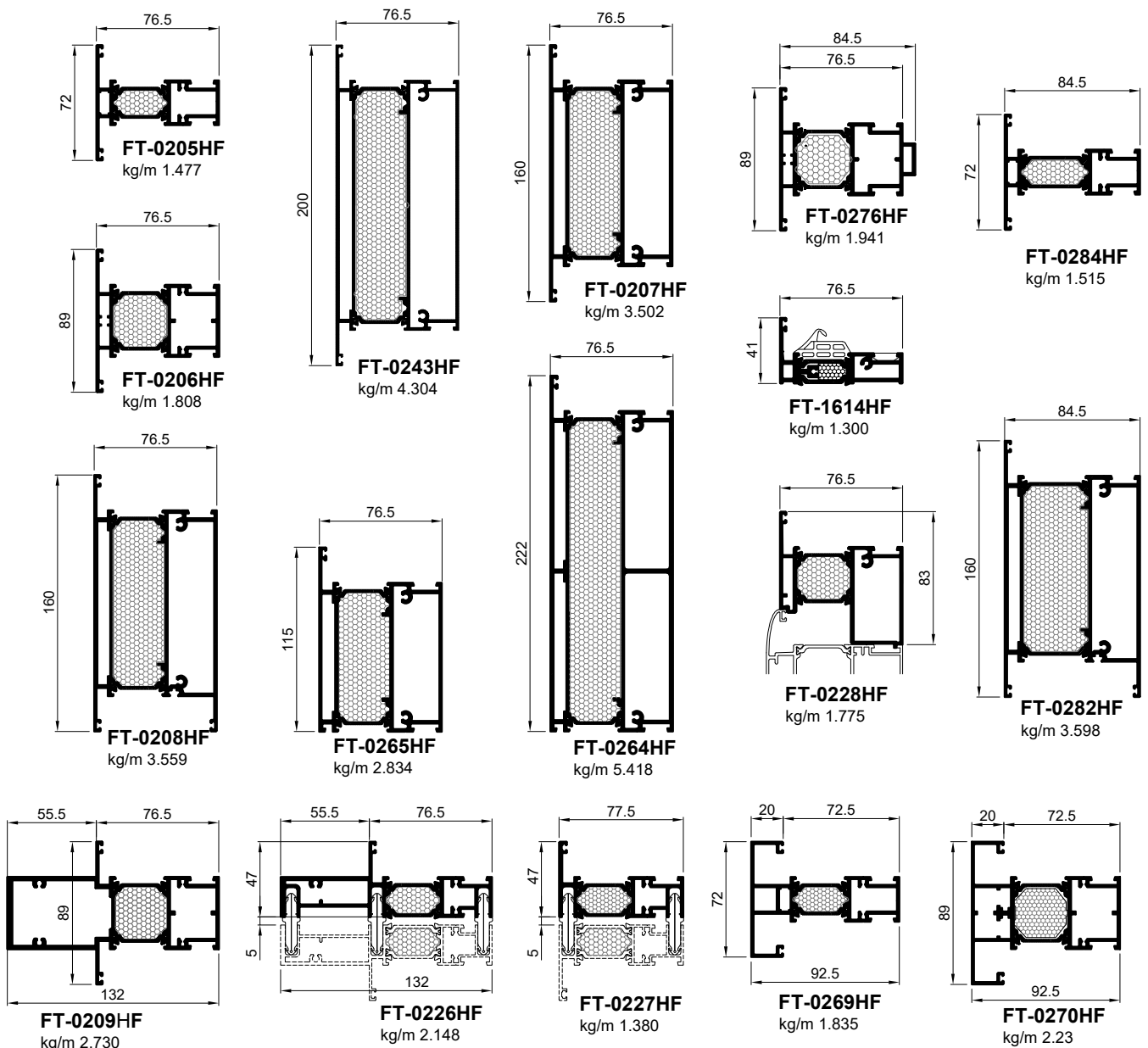
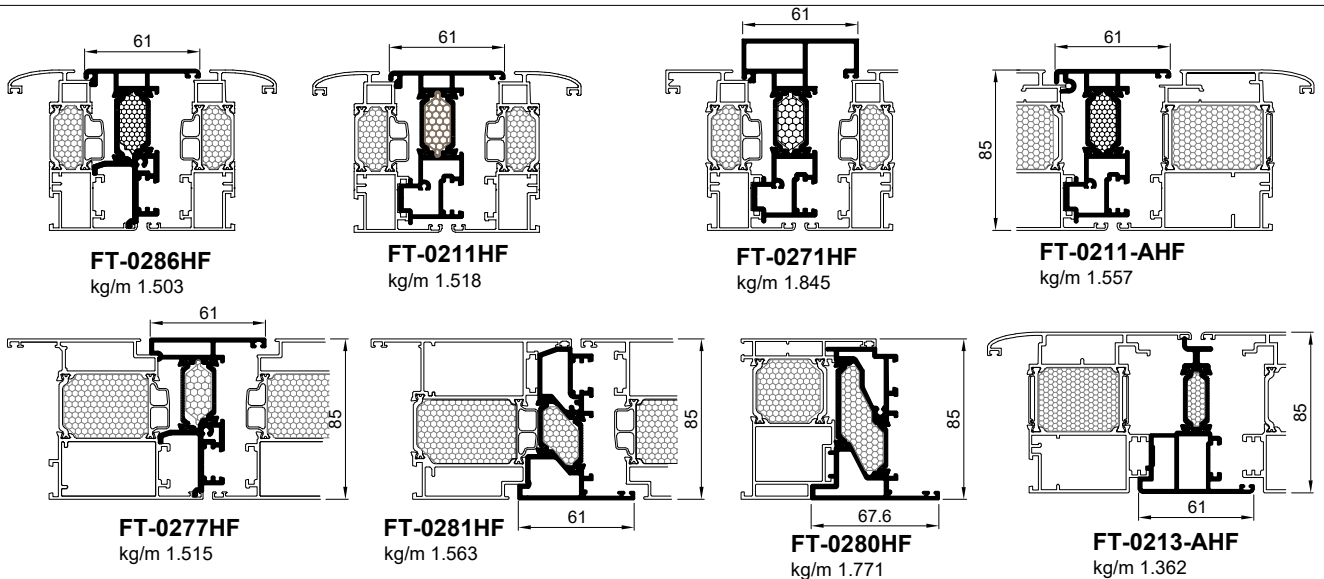
Remark

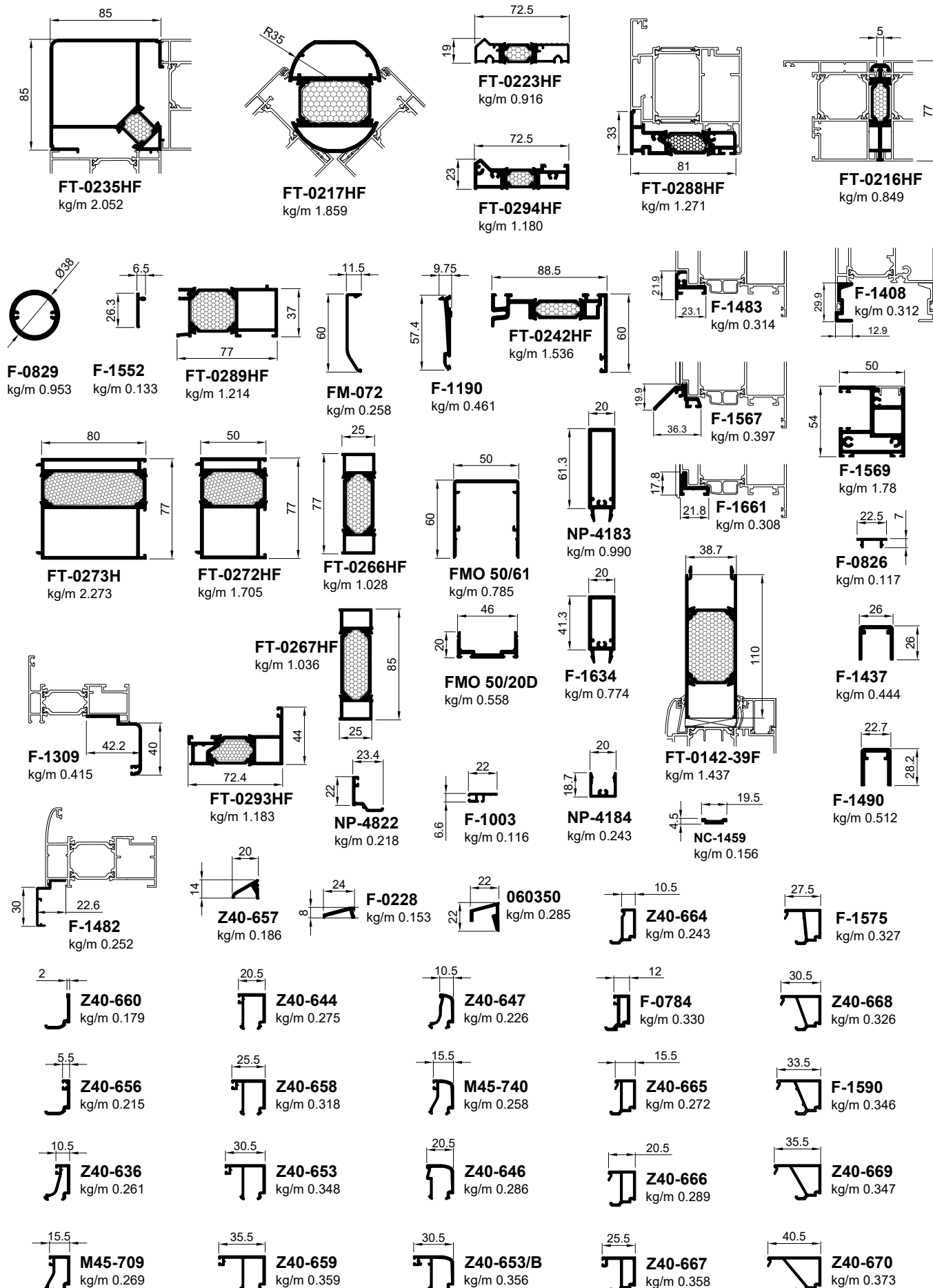
The authorized dimensions of the wings are located just to the left of the weight curve.

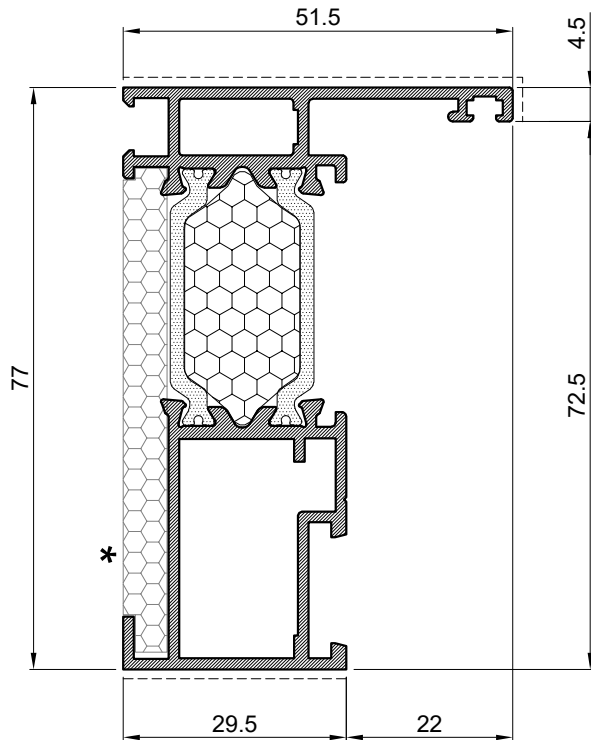
The unauthorized dimensions are gray dimmed. This application diagram is valid only in conjunction with the accompanying drawing 0-44708.

Profili Profiles

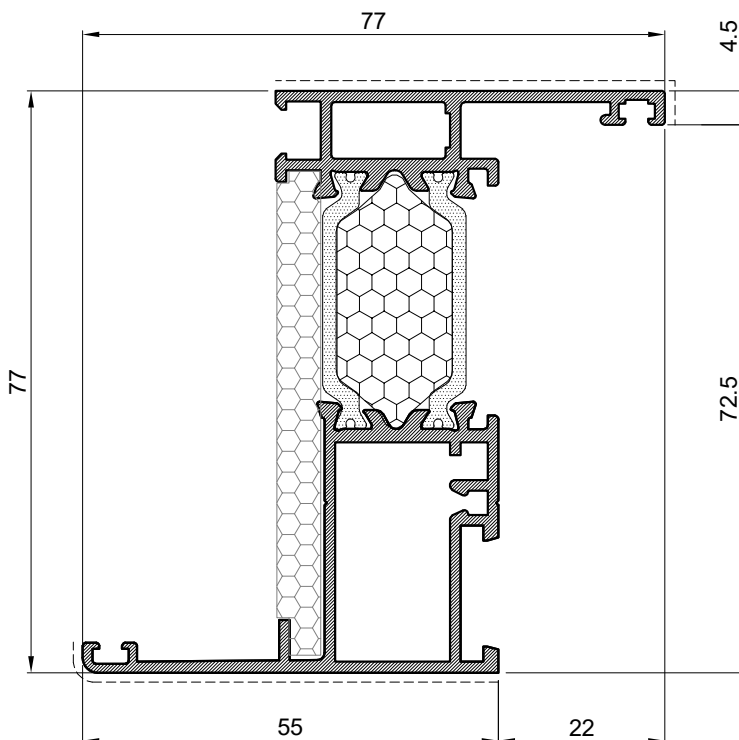






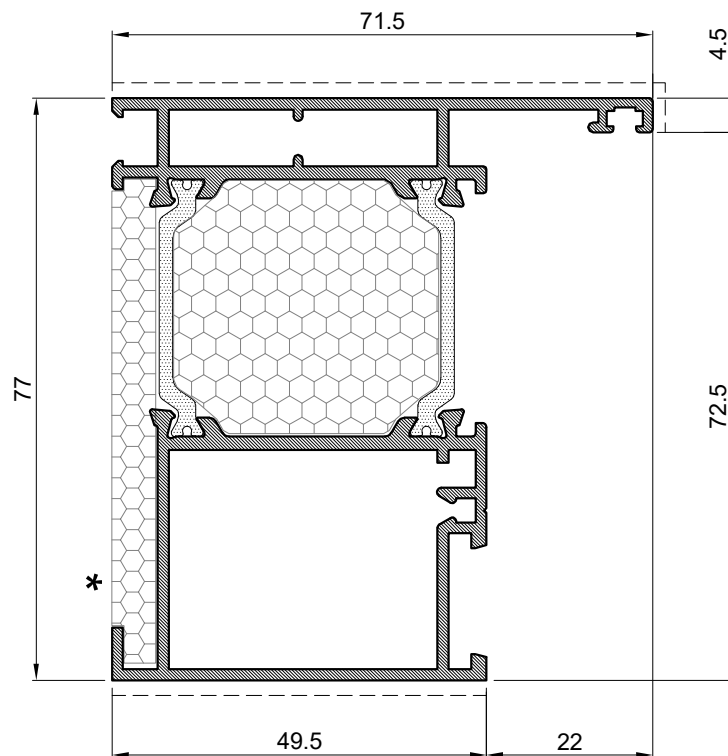


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0287HF	
Težina Weight	kg/m	1.305
Opseg Perimeter	mm	360
Moment inerције Moment of inertia	I _x (cm ⁴)	24.66
	I _y (cm ⁴)	5.68
	W _x (cm ³)	7.87
	W _y (cm ³)	1.73
L	mm	6500

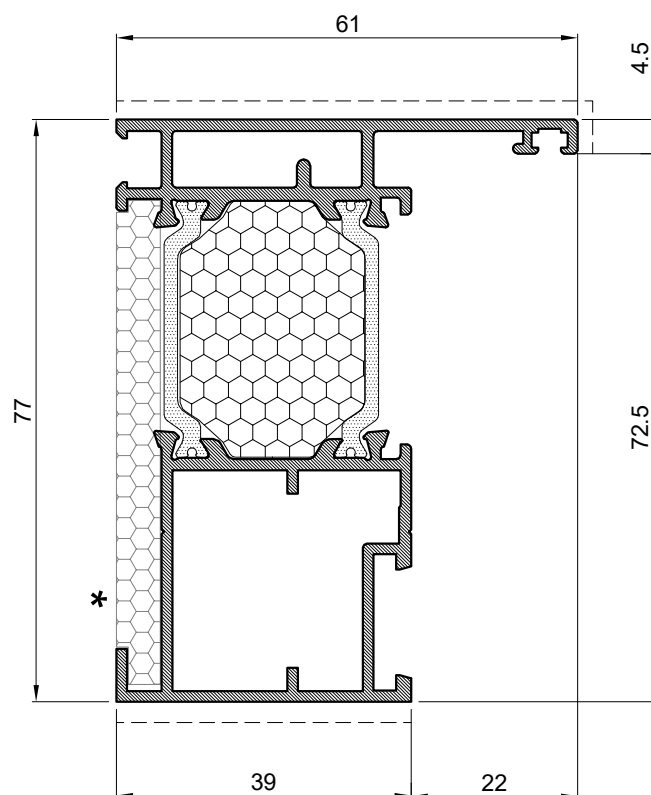


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0298HF	
Težina Weight	kg/m	1.449
Opseg Perimeter	mm	421
Moment inercije Moment of inertia	I _x (cm ⁴)	29.96
	I _y (cm ⁴)	10.17
	W _x (cm ³)	10.46
	W _y (cm ³)	2.47
L	mm	6500

* XPS-DODATNA TOPLINSKA IZOLACIJA, Uf VRIJEDNOST SMANJUJE ZA 15% - (samo na zahtjev kupca)
 XPS-ADDITIONAL THERMAL INSULATION, Uf VALUE DECREASES BY 15% - (delivered at customer`s request)
 PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
 PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

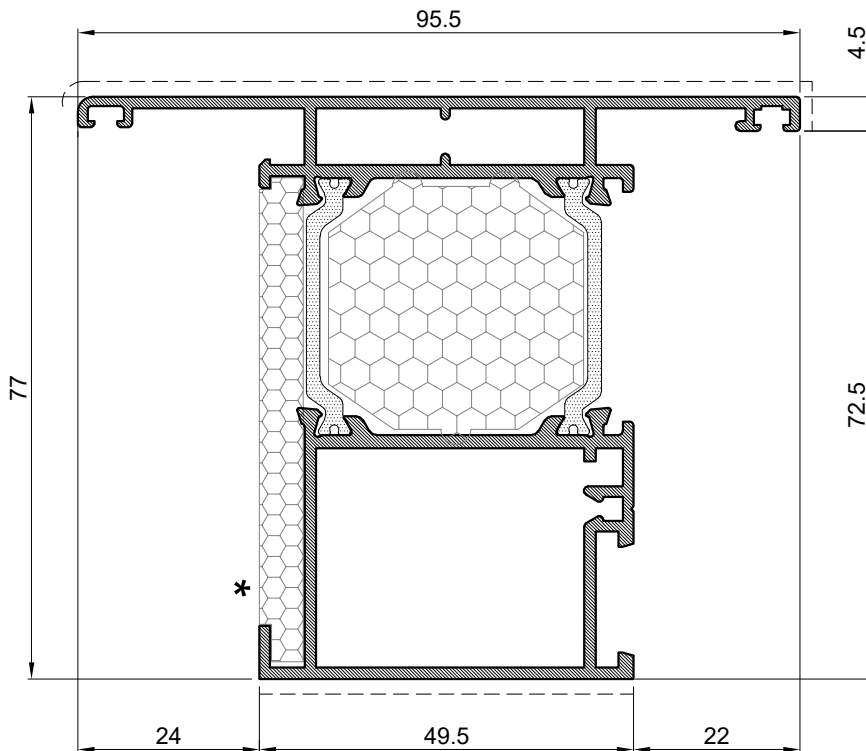


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0201HF	
Težina Weight	kg/m	1.707
Opseg Perimeter	mm	390
Moment inerције Moment of inertia	Ix (cm4)	33.69
	Iy (cm4)	18.71
	Wx (cm3)	10.66
	Wy (cm3)	4.41
L	mm	6500

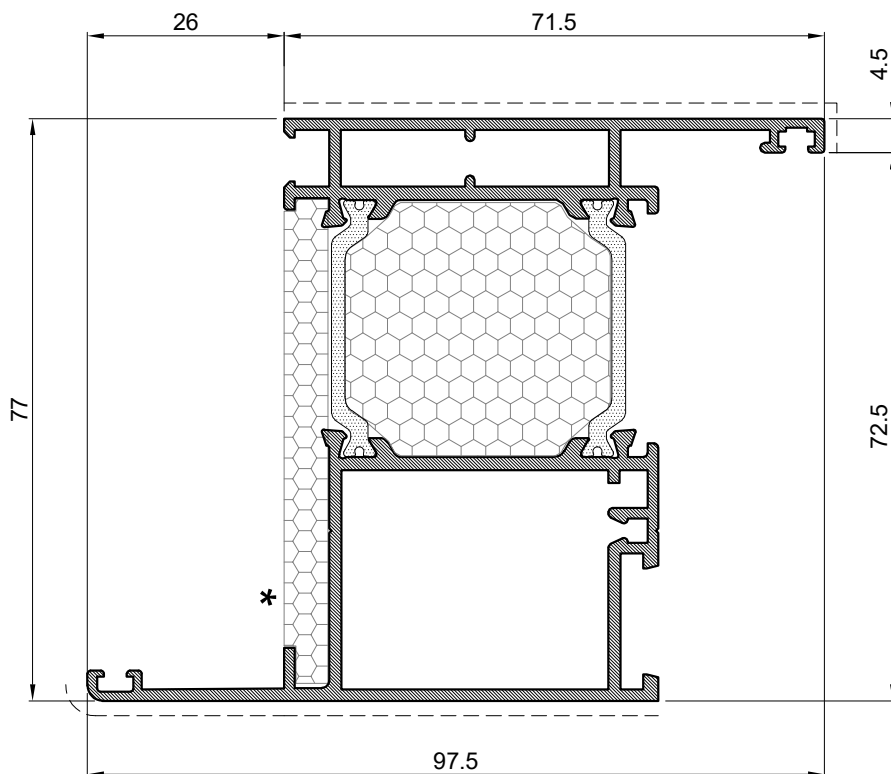


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0233HF	
Težina Weight	kg/m	1.487
Opseg Perimeter	mm	369
Moment inercije Moment of inertia	Ix (cm4)	28.91
	Iy (cm4)	10.38
	Wx (cm3)	9.1
	Wy (cm3)	2.77
L	mm	6500

* XPS-DODATNA TOPLINSKA IZOLACIJA, Uf VRIJEDNOST SMANJUJE ZA 15% - (samo na zahtjev kupca)
 XPS-ADDITIONAL THERMAL INSULATION, Uf VALUE DECREASES BY 15% - (delivered at customer's request)
 PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
 PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

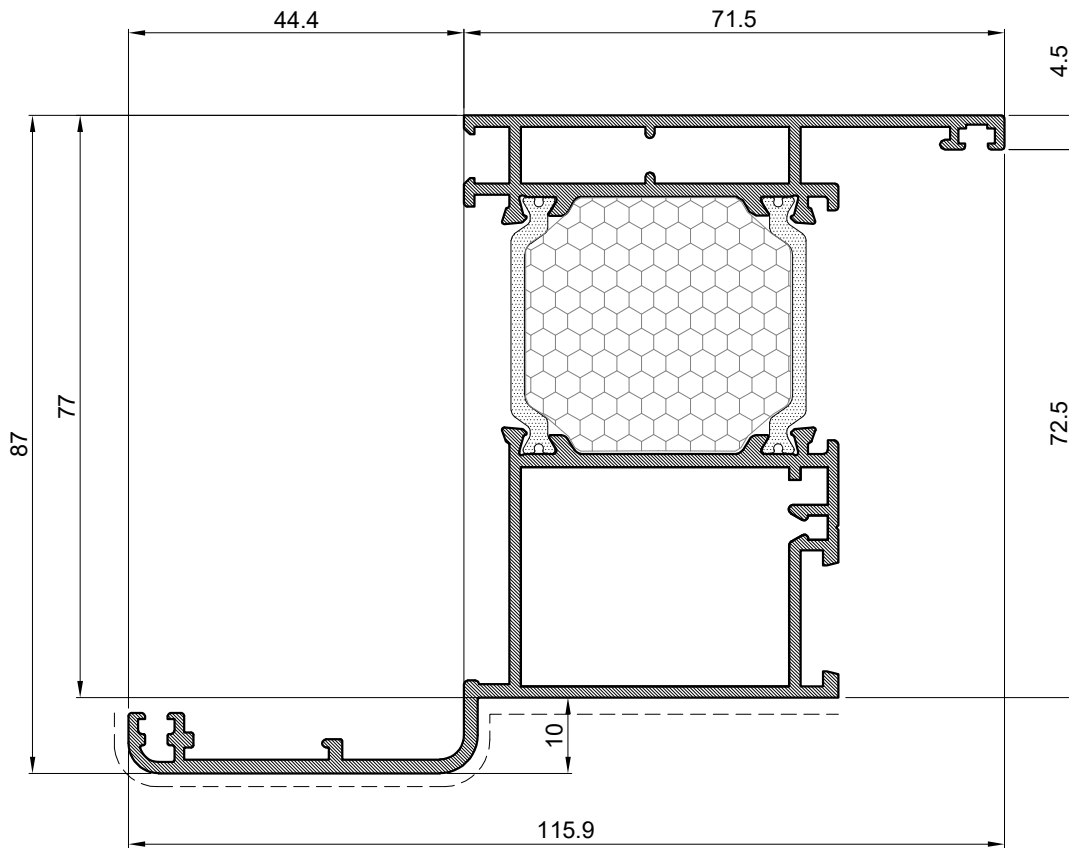


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0214HF	
Težina Weight	kg/m	1.818
Opseg Perimeter	mm	475
Moment inercije Moment of inertia	Ix (cm4)	36.52
	Iy (cm4)	25.45
	Wx (cm3)	11.04
	Wy (cm3)	5.08
L	mm	6500

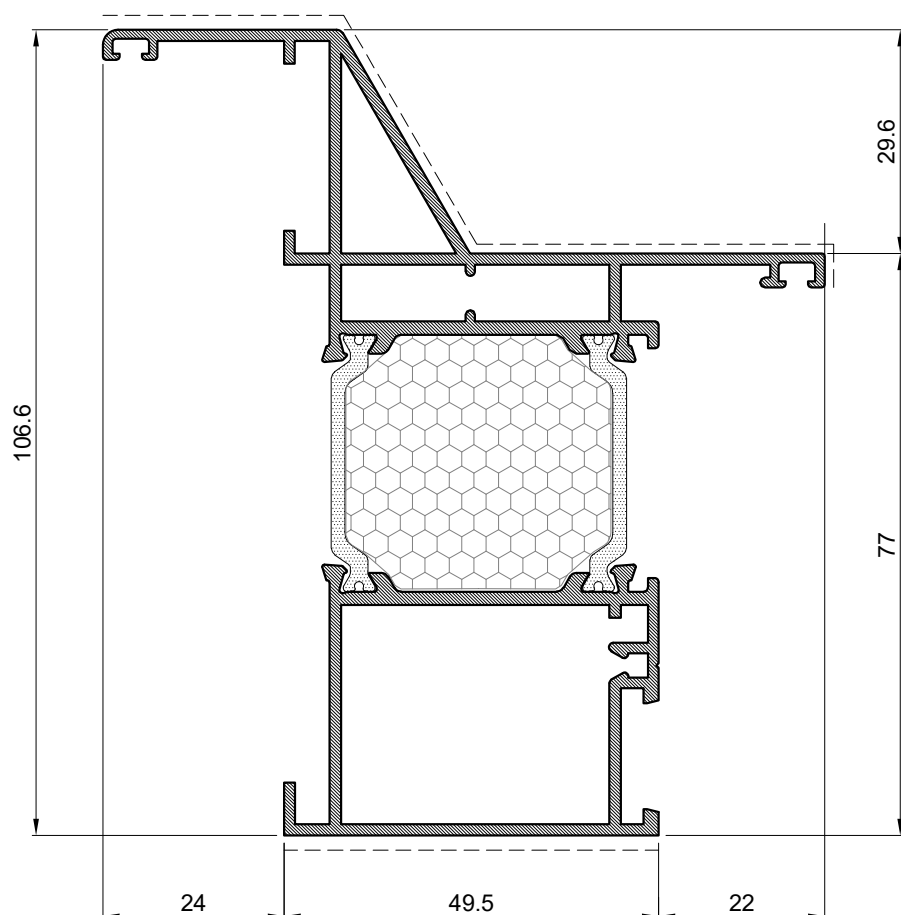


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0225HF	
Težina Weight	kg/m	1.845
Opseg Perimeter	mm	479
Moment inercije Moment of inertia	Ix (cm4)	39.52
	Iy (cm4)	26.92
	Wx (cm3)	16.57
	Wy (cm3)	5.2
L	mm	6500

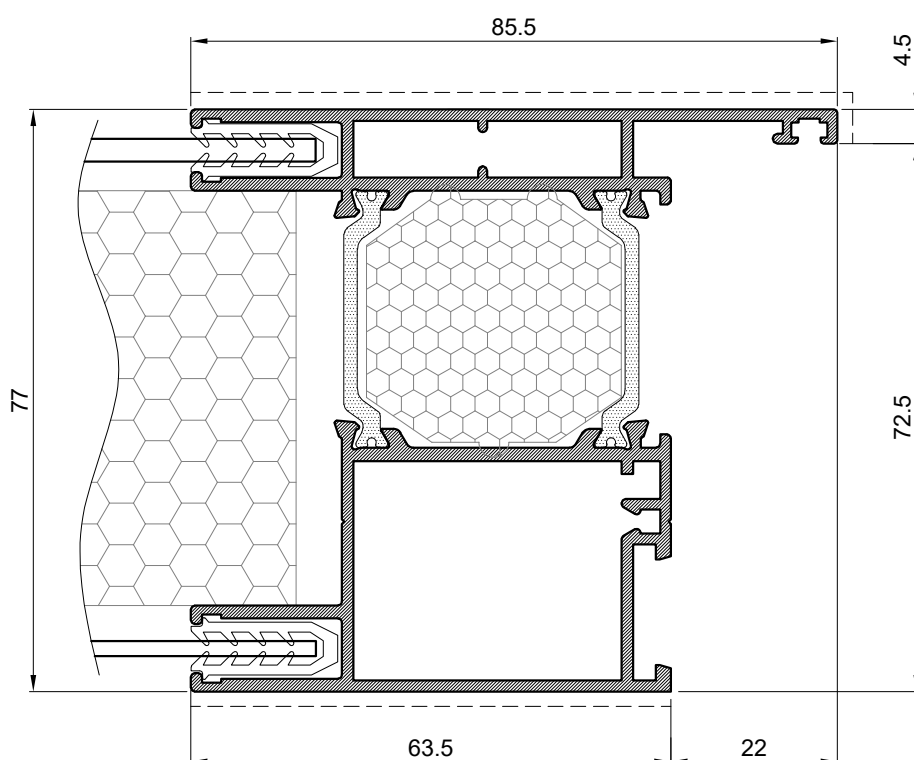
* XPS-DODATNA TOPLINSKA IZOLACIJA, Uf VRIJEDNOST SMANJUJE ZA 15% - (samo na zahtjev kupca)
 XPS-ADDITIONAL THERMAL INSULATION, Uf VALUE DECREASES BY 15% - (delivered at customer's request)
 PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
 PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”



* XPS-DODATNA TOPLINSKA IZOLACIJA, Uf VRIJEDNOST SMANJUJE ZA 15% - (samo na zahtjev kupca)
 XPS-ADDITIONAL THERMAL INSULATION, Uf VALUE DECREASES BY 15% - (delivered at customer`s request)
 PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
 PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

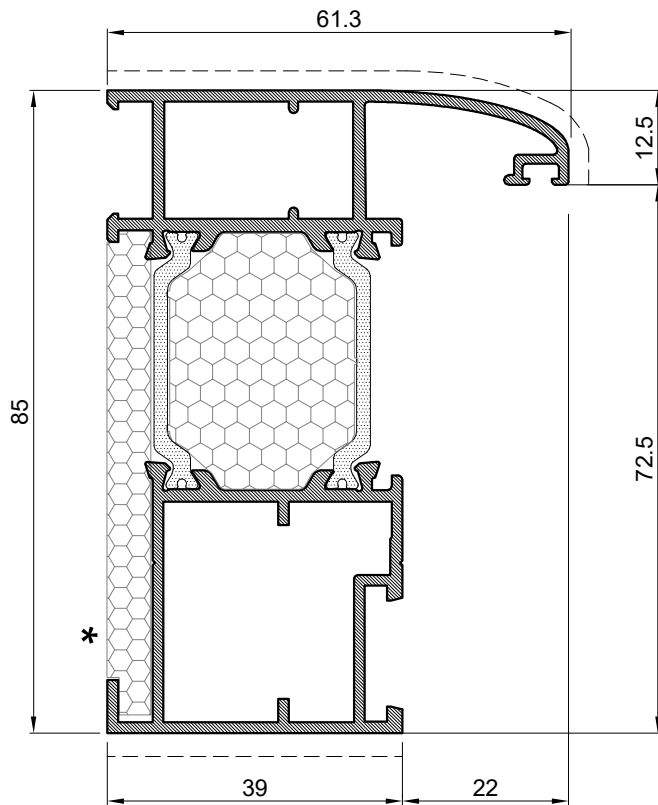


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0232HF	
Težina Weight	kg/m	2.094
Opseg Perimeter	mm	510
Moment inercije Moment of inertia	Ix (cm4)	60.61
	Iy (cm4)	27.83
	Wx (cm3)	15
	Wy (cm3)	5.81
L	mm	6500

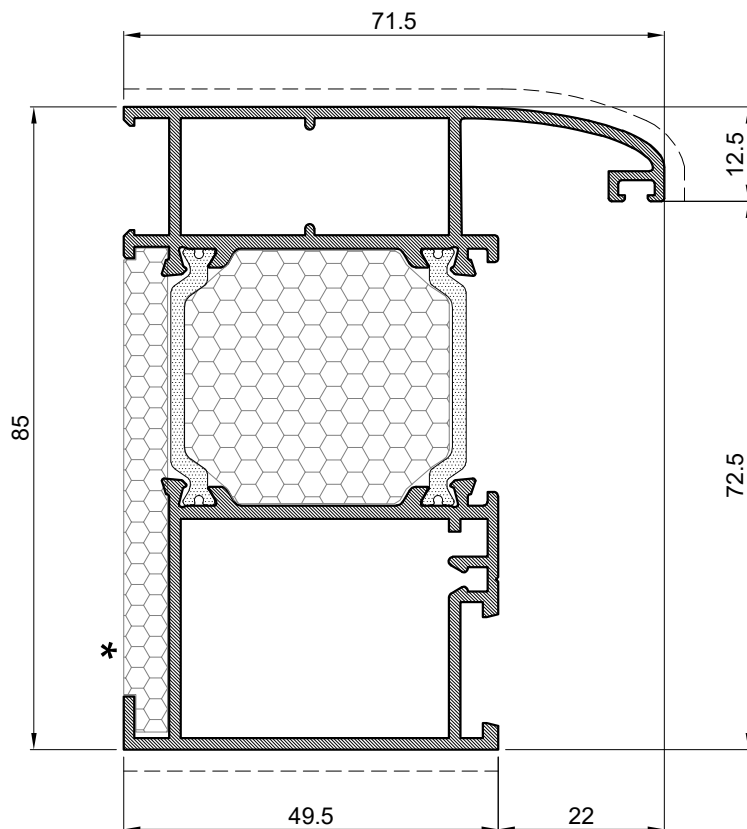


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0231HF	
Težina Weight	kg/m	1.968
Opseg Perimeter	mm	529
Moment inercije Moment of inertia	Ix (cm4)	41.33
	Iy (cm4)	29.33
	Wx (cm3)	13.38
	Wy (cm3)	6.15
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

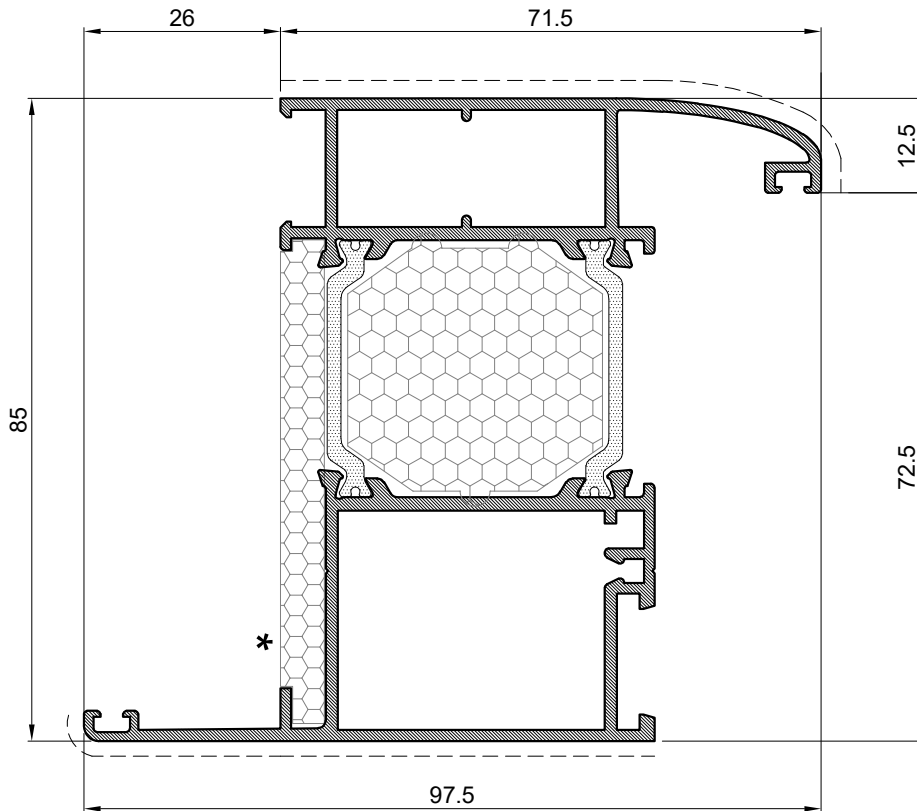


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0234HF	
Težina Weight	kg/m	1.584
Opseg Perimeter	mm	425
Moment inerције Moment of inertia	I _x (cm ⁴)	35.44
	I _y (cm ⁴)	12.22
	W _x (cm ³)	10.24
	W _y (cm ³)	3.32
L	mm	6500

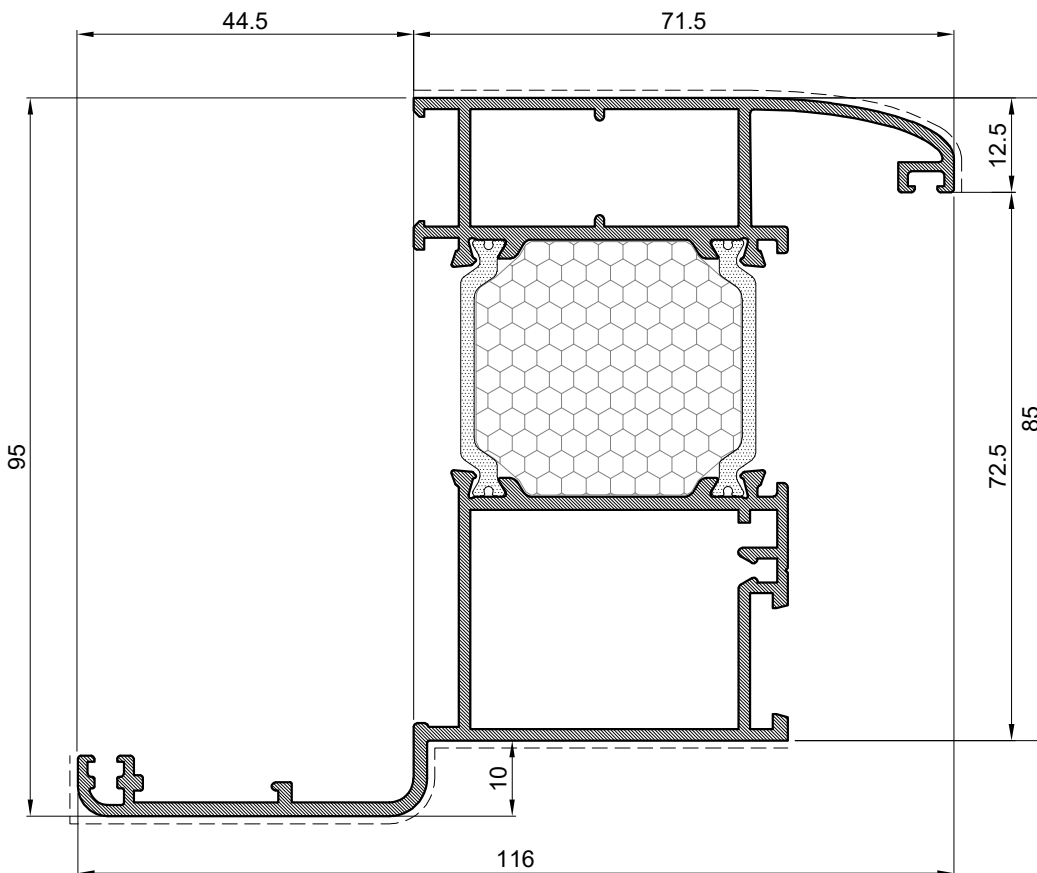


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0224HF	
Težina Weight	kg/m	1.809
Opseg Perimeter	mm	447
Moment inercije Moment of inertia	I _x (cm ⁴)	41.01
	I _y (cm ⁴)	21.25
	W _x (cm ³)	11.99
	W _y (cm ³)	5.08
L	mm	6500

* XPS-DODATNA TOPLINSKA IZOLACIJA, Uf VRIJEDNOST SMANJUJE ZA 15% - (samo na zahtjev kupca)
 XPS-ADDITIONAL THERMAL INSULATION, Uf VALUE DECREASES BY 15% - (delivered at customer`s request)
 PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F“
 PROFILE WITHOUT XPS DO NOT HAVE ENDING „F“

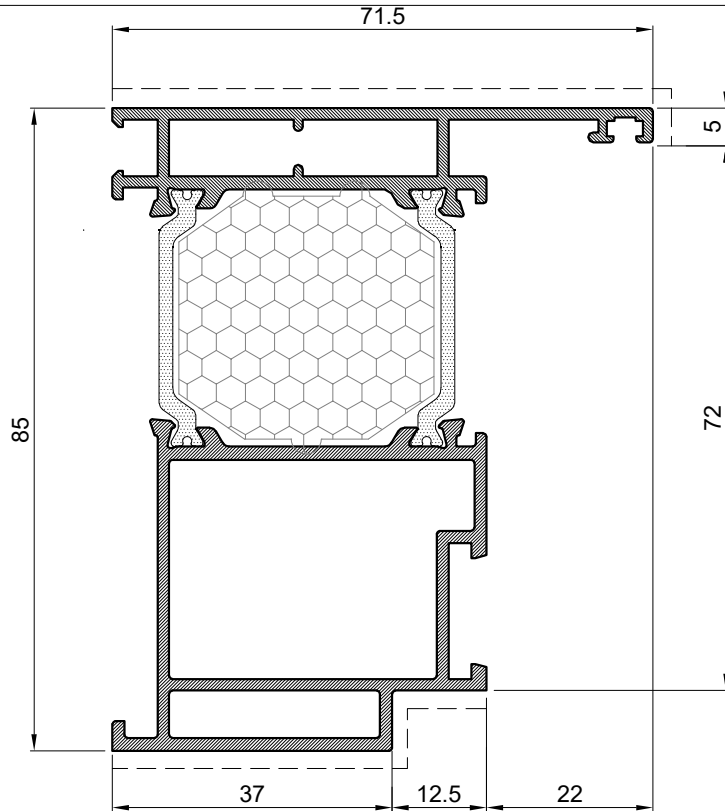


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0229HF	
Težina Weight	kg/m	1.947
Opseg Perimeter	mm	509
Moment inerције Moment of inertia	I _x (cm ⁴)	47.85
	I _y (cm ⁴)	29.72
	W _x (cm ³)	15.14
	W _y (cm ³)	5.66
L	mm	6500

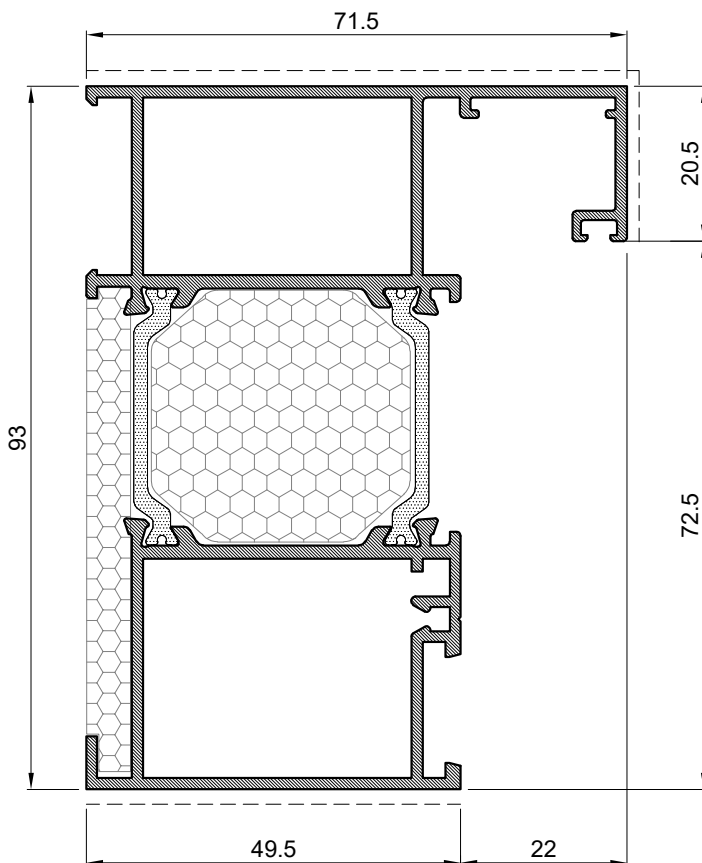


Profil rama Profile frame		
Br.Br.	FT-0249HF	
Težina Težina	kg/m	2.117
Opseg Perimeter	mm	563
Moment inercije Moment of inertia	I _x (cm ⁴)	62.67
	I _y (cm ⁴)	50.35
	W _x (cm ³)	17.71
	W _y (cm ³)	7.68
L	mm	6500

* XPS-DODATNA TOPLINSKA IZOLACIJA, Uf VRIJEDNOST SMANJUJE ZA 15% - (samo na zahtjev kupca)
 XPS-ADDITIONAL THERMAL INSULATION, Uf VALUE DECREASES BY 15% - (delivered at customer's request)
 PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
 PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

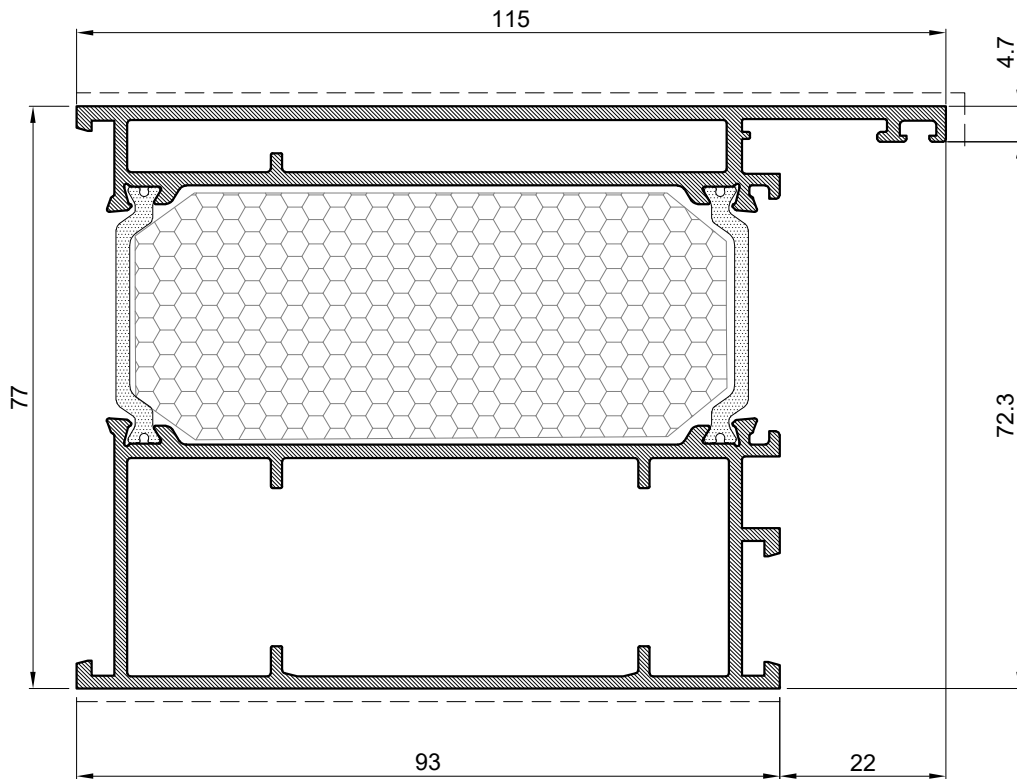


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0274HF	
Težina Weight	kg/m	1.878
Opseg Perimeter	mm	403
Moment inerције Moment of inertia	I _x (cm ⁴)	45.96
	I _y (cm ⁴)	19.52
	W _x (cm ³)	13.64
	W _y (cm ³)	4.5
L	mm	6500

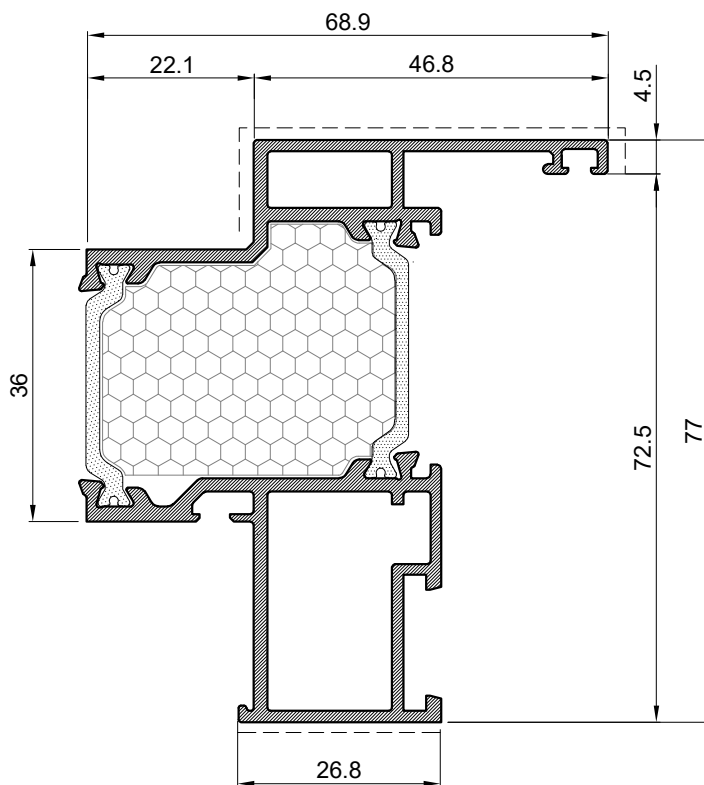


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0268HF	
Težina Weight	kg/m	1.926
Opseg Perimeter	mm	474
Moment inercije Moment of inertia	I _x (cm ⁴)	51.72
	I _y (cm ⁴)	25.65
	W _x (cm ³)	13.78
	W _y (cm ³)	6.32
L	mm	6500

* XPS-DODATNA TOPLINSKA IZOLACIJA, Uf VRIJEDNOST SMANJUJE ZA 15% - (samo na zahtjev kupca)
 XPS-ADDITIONAL THERMAL INSULATION, Uf VALUE DECREASES BY 15% - (delivered at customer`s request)
 PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
 PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

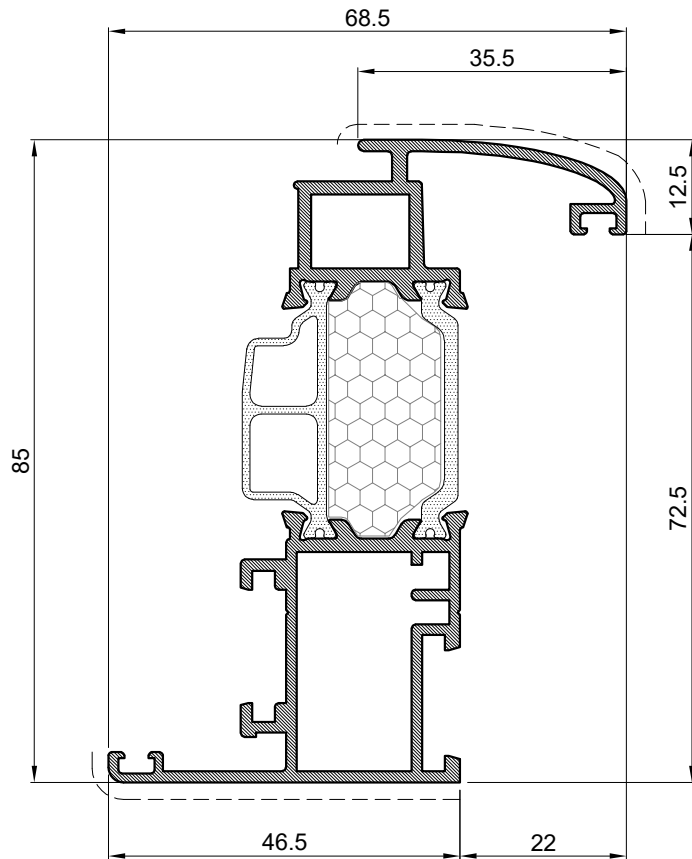


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0297HF	
Težina Weight	kg/m	2.653
Opseg Perimeter	mm	469
Moment inercije Moment of inertia	I _x (cm ⁴)	57.57
	I _y (cm ⁴)	94.25
	W _x (cm ³)	18.02
	W _y (cm ³)	14.82
L	mm	6500

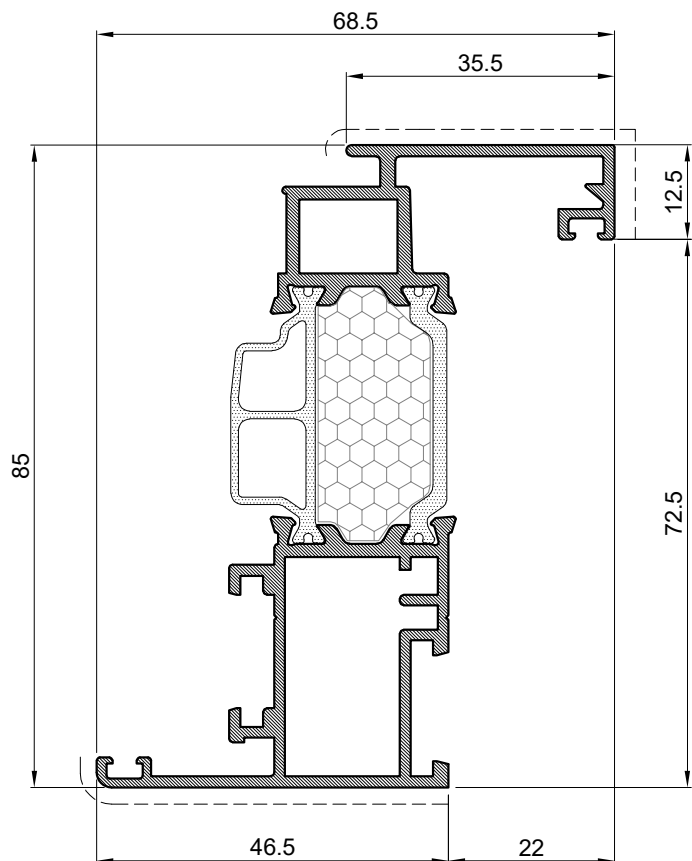


Profil rama u fasadi Profile frame in facade		
Art.Br. Art.Nr.	FT-0261HF	
Težina Weight	kg/m	1.549
Opseg Perimeter	mm	369
Moment inercije Moment of inertia	I _x (cm ⁴)	25.3
	I _y (cm ⁴)	12.41
	W _x (cm ³)	8.10
	W _y (cm ³)	3.22
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

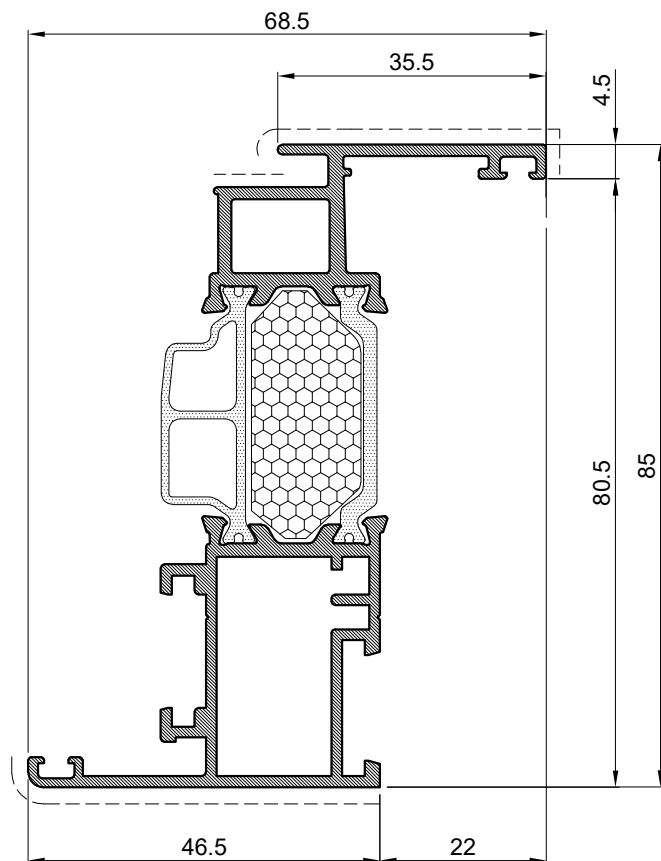


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0203HF	
Težina Weight	kg/m	1.556
Opseg Perimeter	mm	452
Moment inercije Moment of inertia	Ix (cm4)	34.09
	Iy (cm4)	9.02
	Wx (cm3)	10.62
	Wy (cm3)	2.58
L	mm	6500

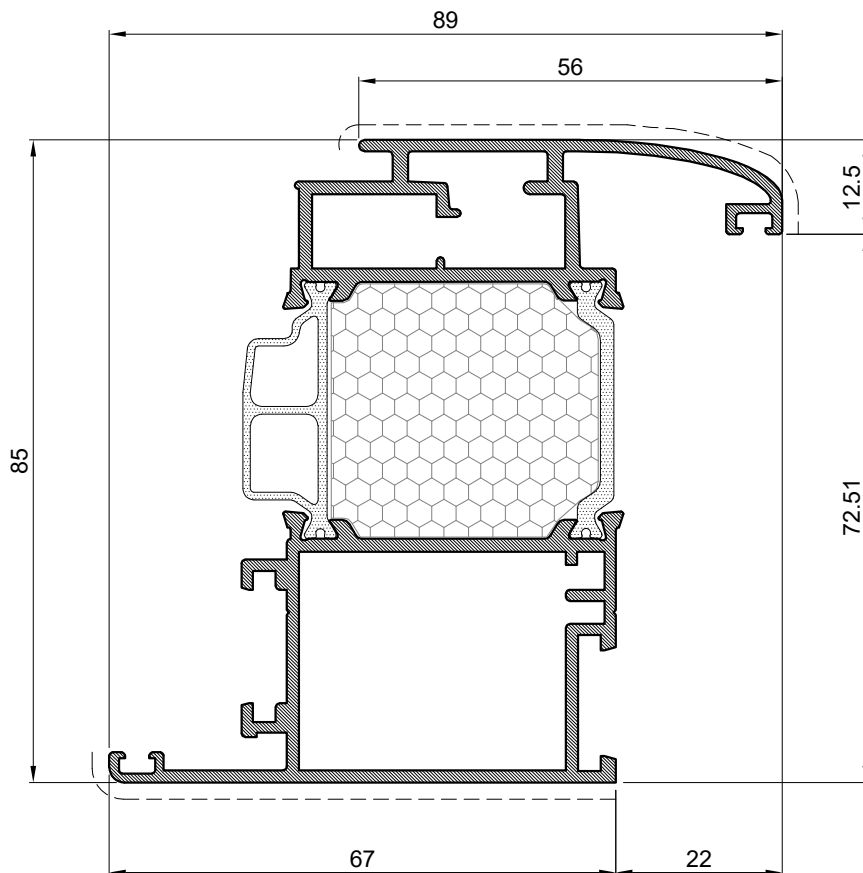


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0221HF	
Težina Weight	kg/m	1.575
Opseg Perimeter	mm	452
Moment inercije Moment of inertia	Ix (cm4)	35.58
	Iy (cm4)	10.17
	Wx (cm3)	11.34
	Wy (cm3)	2.85
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

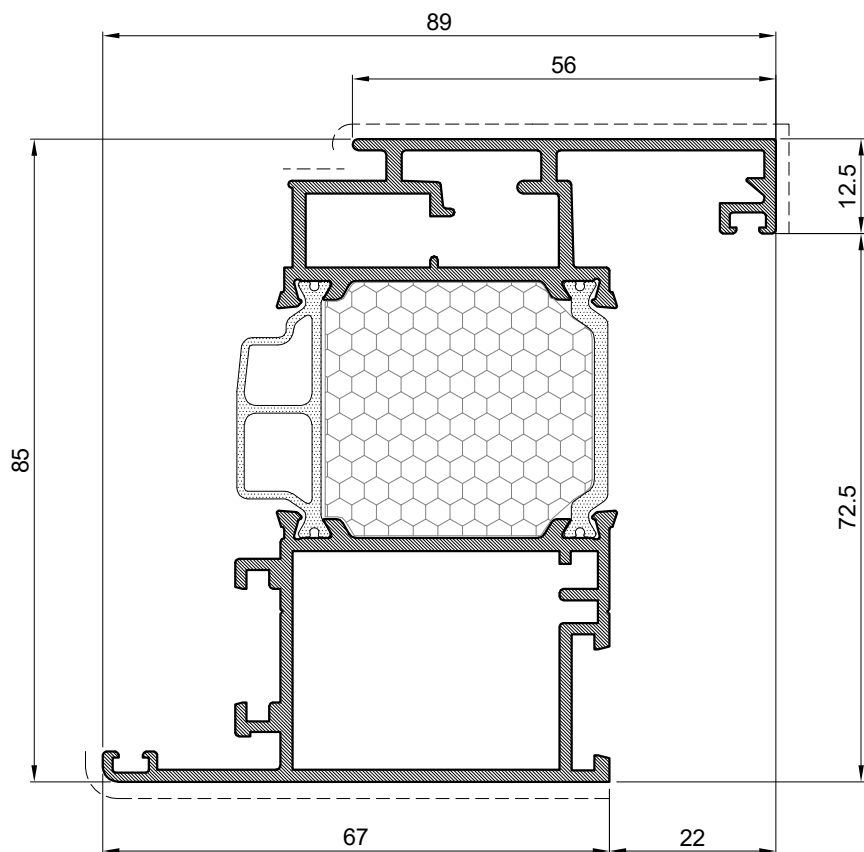


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0295HF	
Težina Weight	kg/m	1.527
Opseg Perimeter	mm	436
Moment inerције Moment of inertia	Ix (cm4)	34.23
	Iy (cm4)	8.23
	Wx (cm3)	10.59
	Wy (cm3)	2.38
L	mm	6500

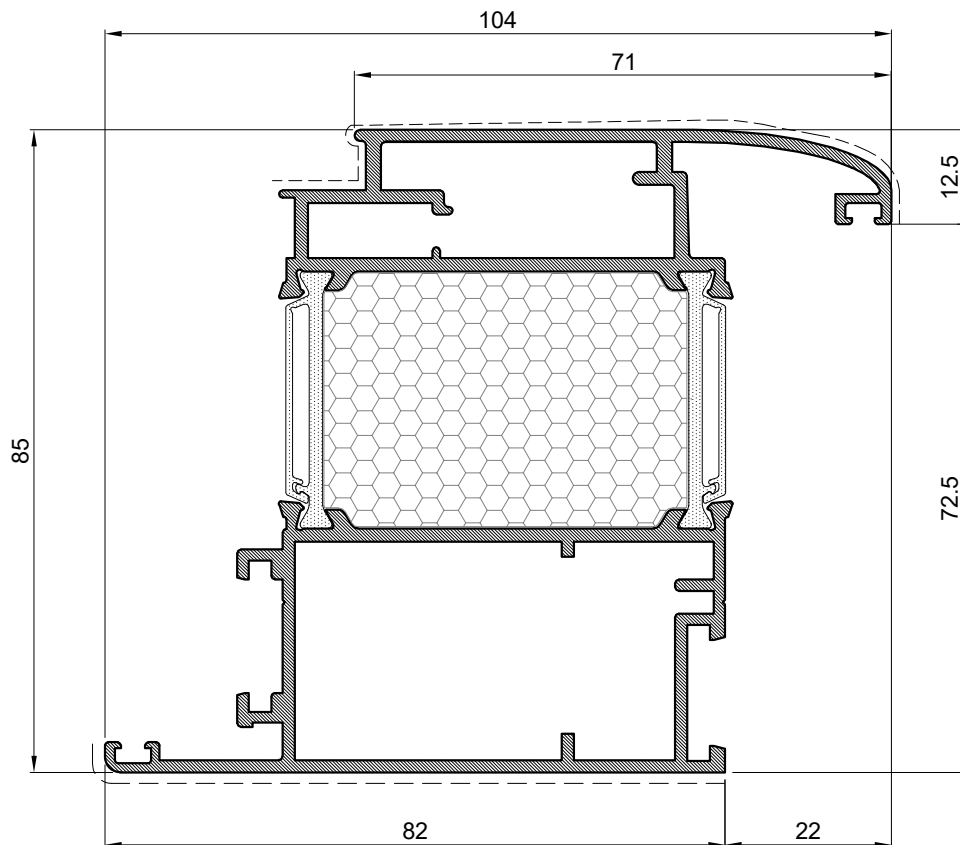


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0204HF	
Težina Weight	kg/m	2050
Opseg Perimeter	mm	481
Moment inercije Moment of inertia	Ix (cm4)	47.73
	Iy (cm4)	26.08
	Wx (cm3)	14.82
	Wy (cm3)	5.75
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

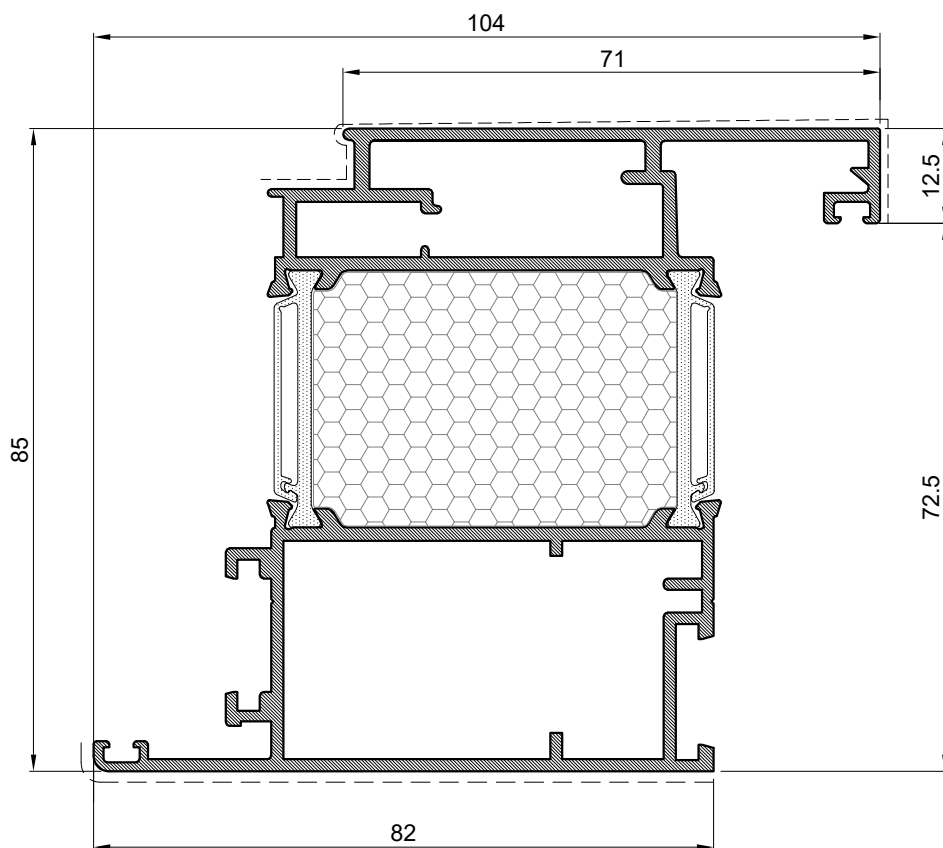


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0230HF	
Težina Weight	kg/m	2.079
Opseg Perimeter	mm	496
Moment inerције Moment of inertia	Ix (cm ⁴)	49.76
	Iy (cm ⁴)	28.24
	Wx (cm ³)	15.35
	Wy (cm ³)	6.14
L	mm	6500

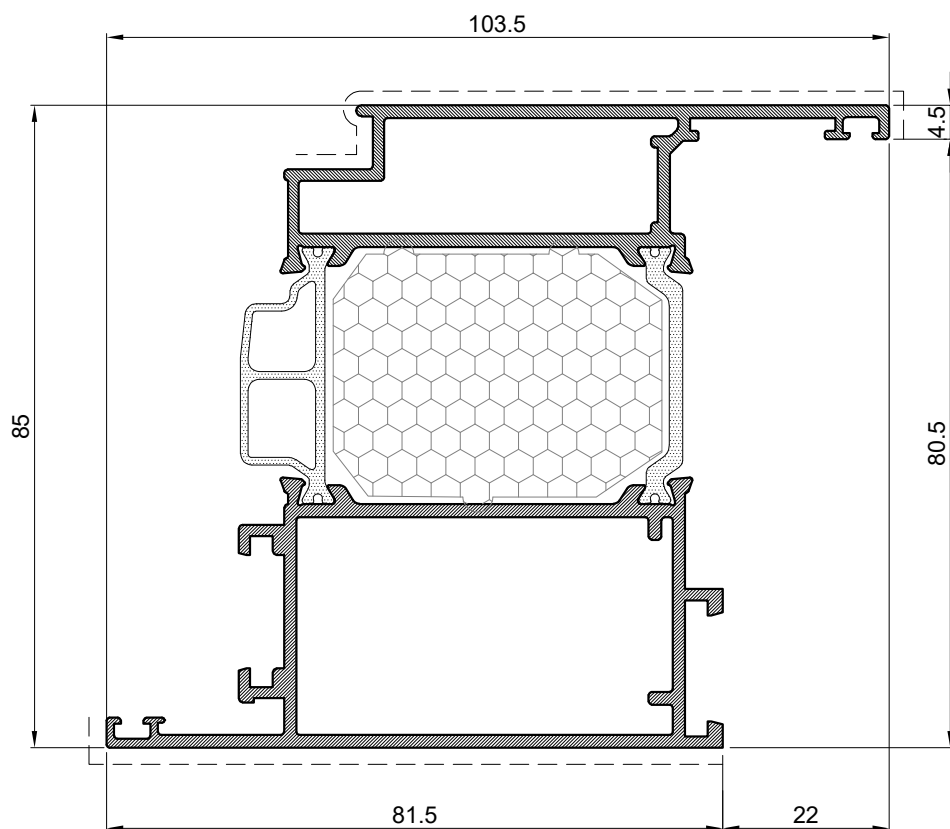


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0218HF	
Težina Weight	519	2.372
Opseg Perimeter	mm	518
Moment inerције Moment of inertia	Ix (cm ⁴)	57.25
	Iy (cm ⁴)	47.81
	Wx (cm ³)	17.94
	Wy (cm ³)	9.04
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

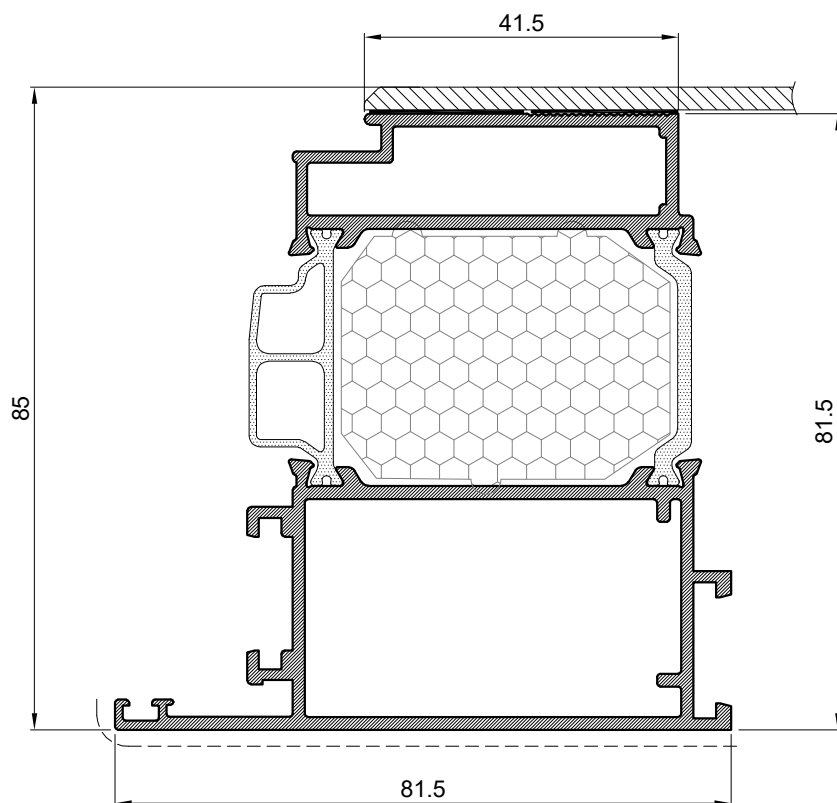


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0247HF	
Težina Weight	kg/m	2.401
Opseg Perimeter	mm	495
Moment inerције Moment of inertia	Ix (cm4)	58.71
	Iy (cm4)	50.54
	Wx (cm3)	18.14
	Wy (cm3)	9.44
L	mm	6500

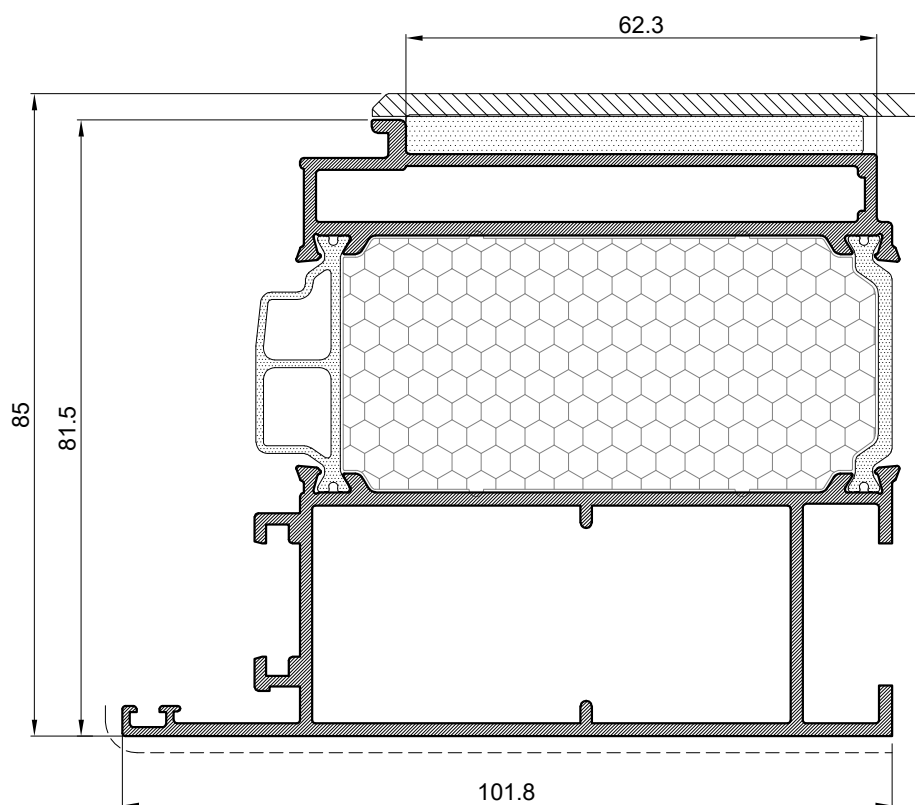


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0275HF	
Težina Weight	kg/m	2.202
Opseg Perimeter	mm	499
Moment inercije Moment of inertia	Ix (cm4)	54.81
	Iy (cm4)	42.12
	Wx (cm3)	17.19
	Wy (cm3)	8.05
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

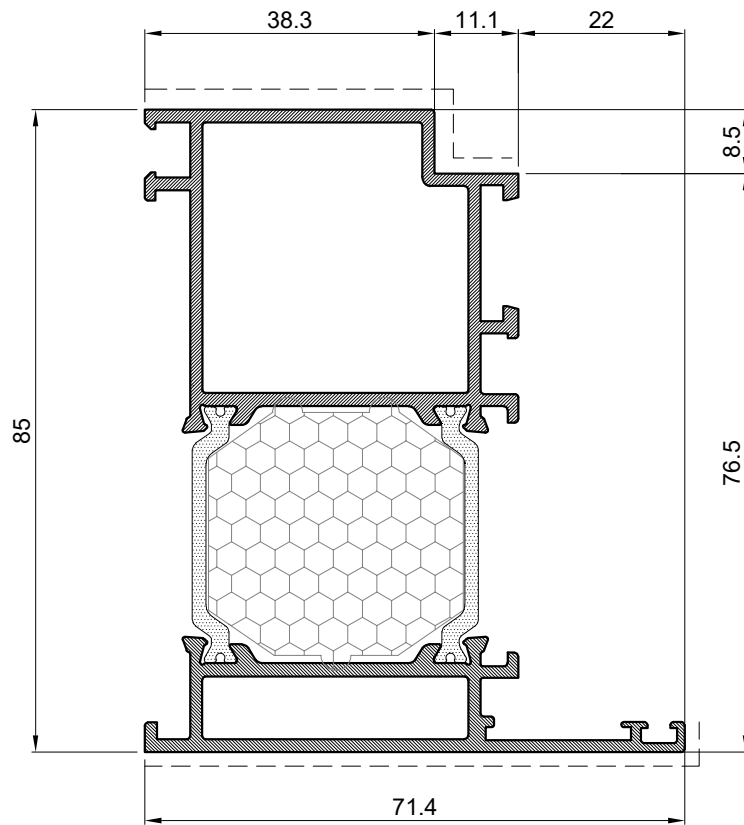


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0291HF	
Težina Weight	kg/m	1.995
Opseg Perimeter	mm	371
Moment inercije Moment of inertia	Ix (cm4)	57.31
	Iy (cm4)	30.87
	Wx (cm3)	12.75
	Wy (cm3)	6.52
L	mm	6500

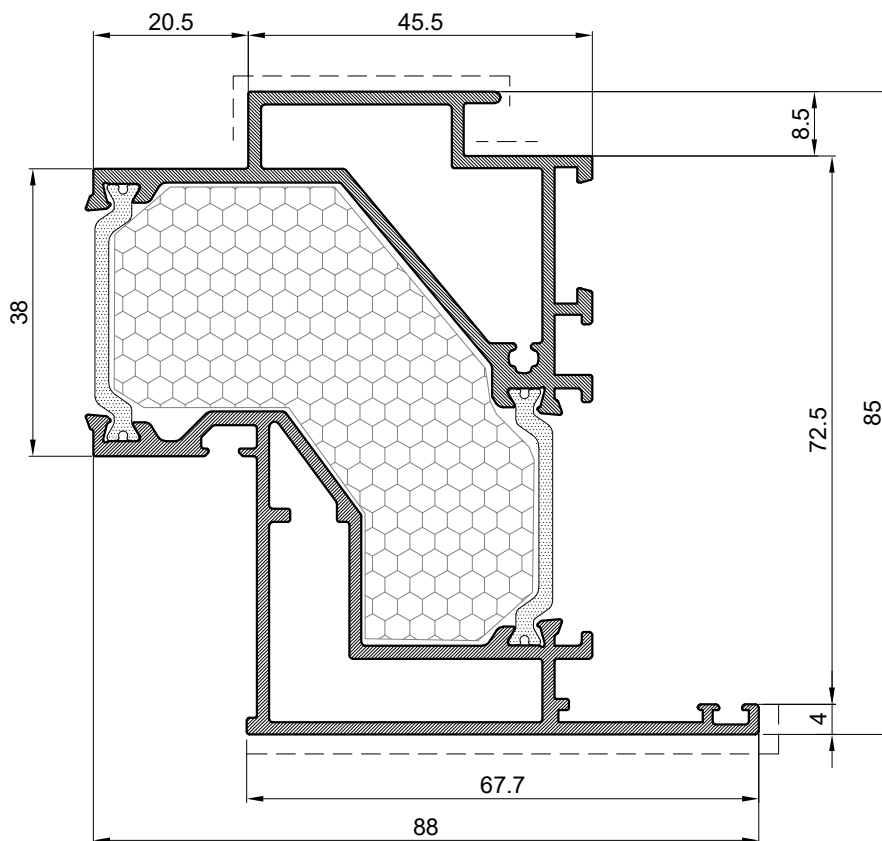


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-1615HF	
Težina Weight	kg/m	2.376
Opseg Perimeter	mm	472
Moment inercije Moment of inertia	Ix (cm4)	52.04
	Iy (cm4)	65.93
	Wx (cm3)	16.07
	Wy (cm3)	11.43
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
 PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

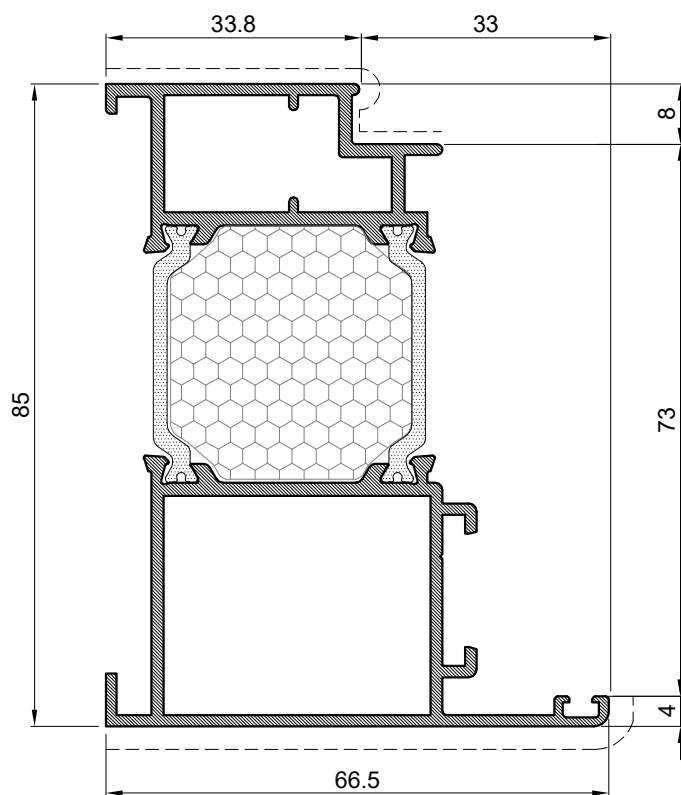


Profil rama, otvaranje vani Profile frame, outside opening		
Art.Br. Art.Nr.	FT-0278HF	
Težina Weight	kg/m	1.801
Opseg Perimeter	mm	411
Moment inerције Moment of inertia	I _x (cm ⁴)	42.92
	I _y (cm ⁴)	18.79
	W _x (cm ³)	12.28
	W _y (cm ³)	4.35
L	mm	6500



Profil rama u fasadi -otv.vani Profile frame in facade-outside opening		
Art.Br. Art.Nr.	FT-0290HF	
Težina Weight	kg/m	2.21
Opseg Perimeter	mm	456
Moment inerције Moment of inertia	I _x (cm ⁴)	48.33
	I _y (cm ⁴)	31.3
	W _x (cm ³)	14.18
	W _y (cm ³)	6.52
L	mm	6500

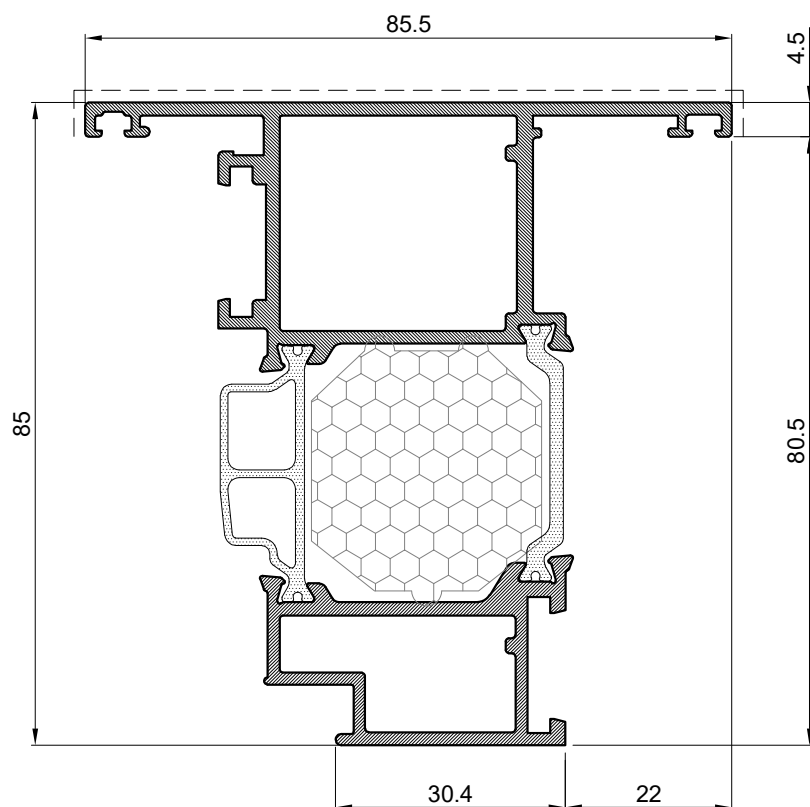
PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”



Profil rama-otvaranje vani
Profile frame-outside opening

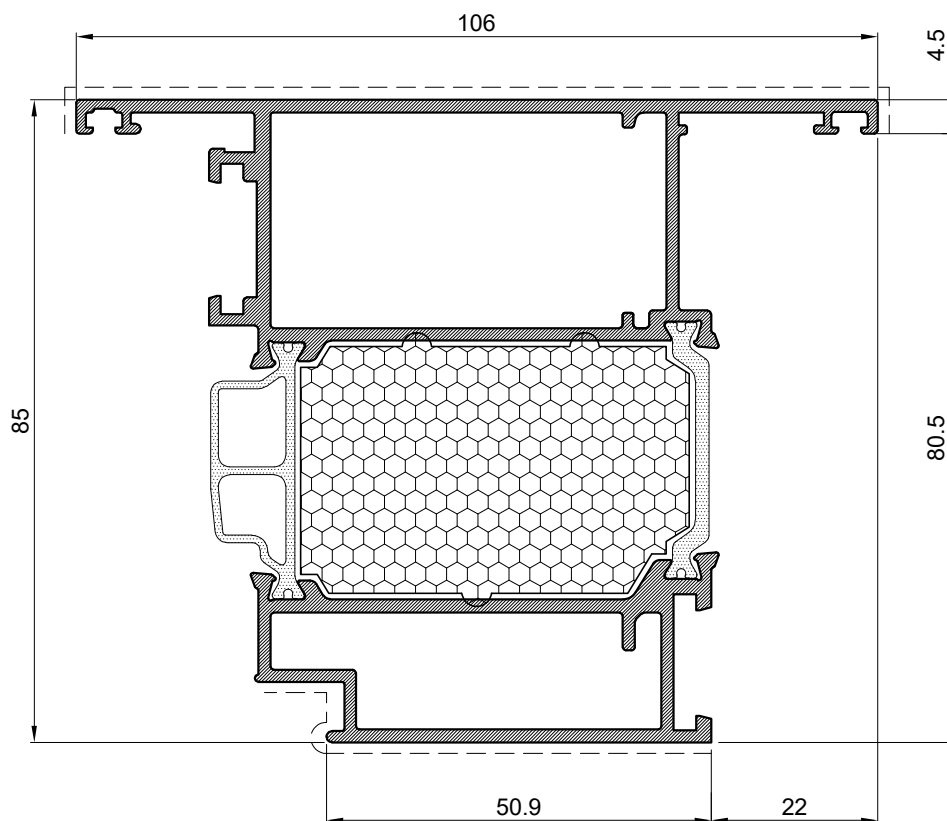
Art.Br. Art.Nr.	FT-0220HF	
Težina Weight	kg/m	1.661
Opseg Perimeter	mm	372
Moment inerције Moment of inertia	Ix (cm ⁴)	38.21
	Iy (cm ⁴)	14.92
	Wx (cm ³)	11.32
	Wy (cm ³)	3.72
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”



Profil krila, otvaranje vani
Profile sash, outside opening

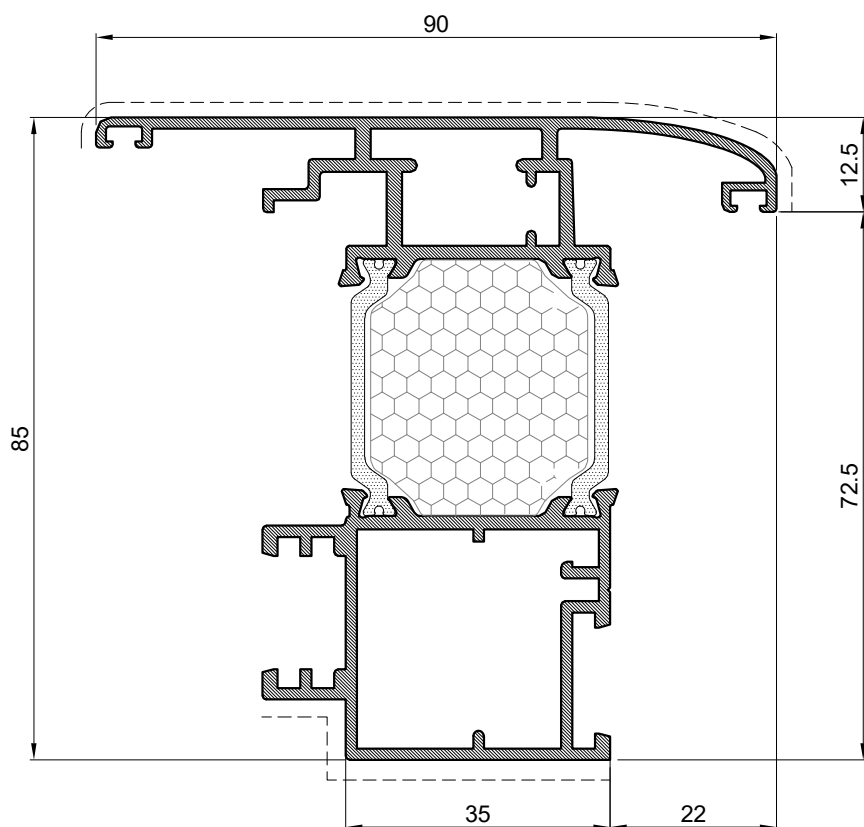
Art.Br. Art.Nr.	FT-0283HF	
Težina Weight	kg/m	1.949
Opseg Perimeter	mm	446
Moment inerције Moment of inertia	Ix (cm4)	44.89
	Iy (cm4)	21.88
	Wx (cm3)	12.24
	Wy (cm3)	5.09
L	mm	6500



Profil krila, otvaranje vani
Profile sash, outside opening

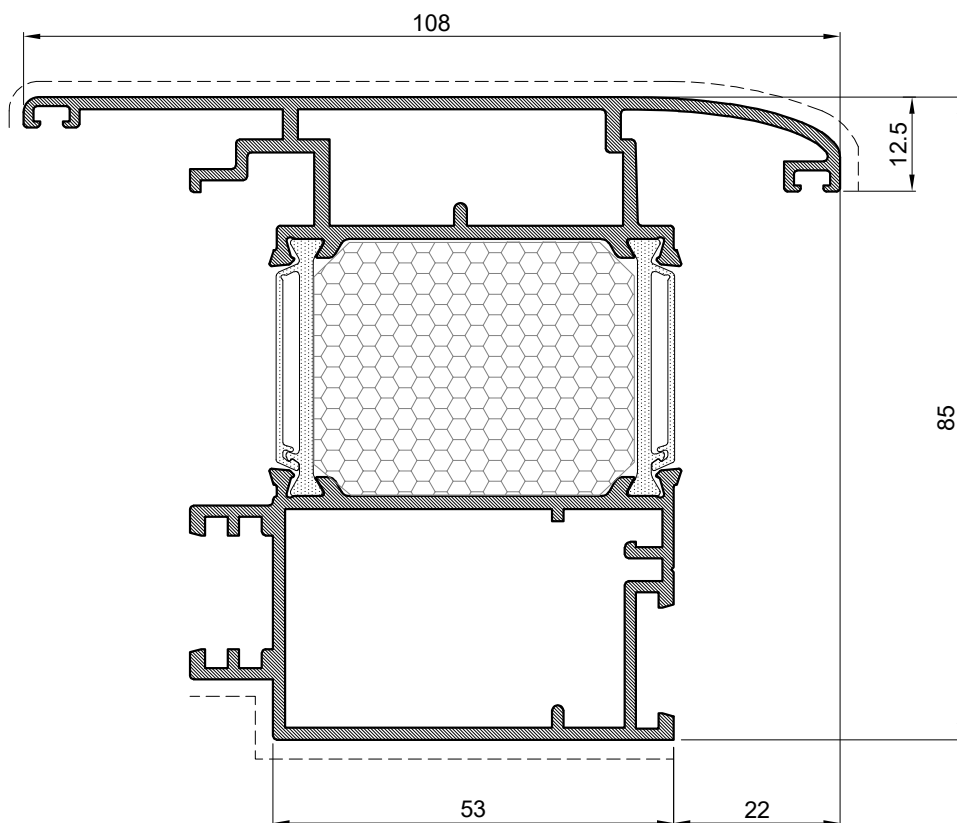
Art.Br. Art.Nr.	FT-0279HF	
Težina Weight	kg/m	2.324
Opseg Perimeter	mm	503
Moment inerције Moment of inertia	Ix (cm4)	56.61
	Iy (cm4)	49.66
	Wx (cm3)	16.22
	Wy (cm3)	9.3
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”



Profil krila-otvaranje vani
Profile sash-outside opening

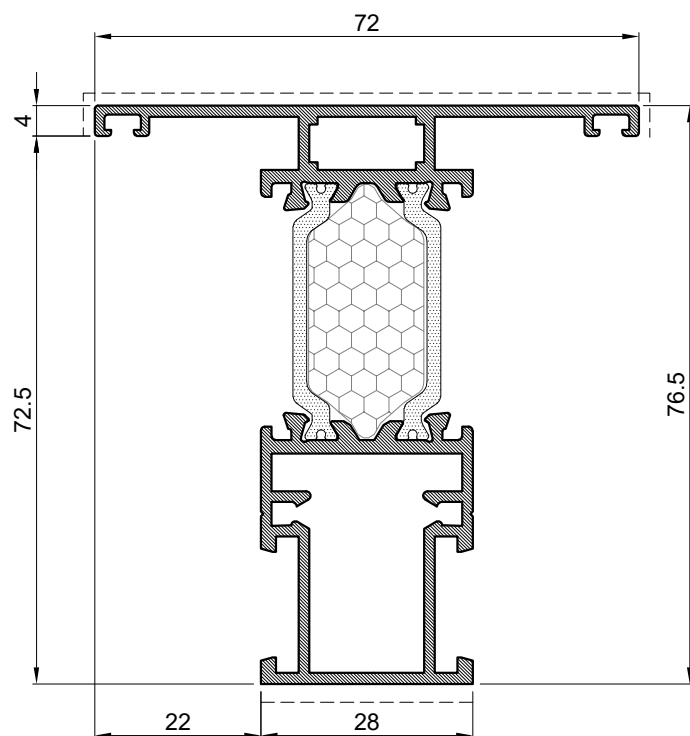
Art.Br. Art.Nr.	FT-0210HF	
Težina Weight	kg/m	2.027
Opseg Perimeter	mm	532
Moment inercije Moment of inertia	Ix (cm ⁴)	45.75
	Iy (cm ⁴)	23.21
	Wx (cm ³)	12.6
	Wy (cm ³)	4.93
L	mm	6500



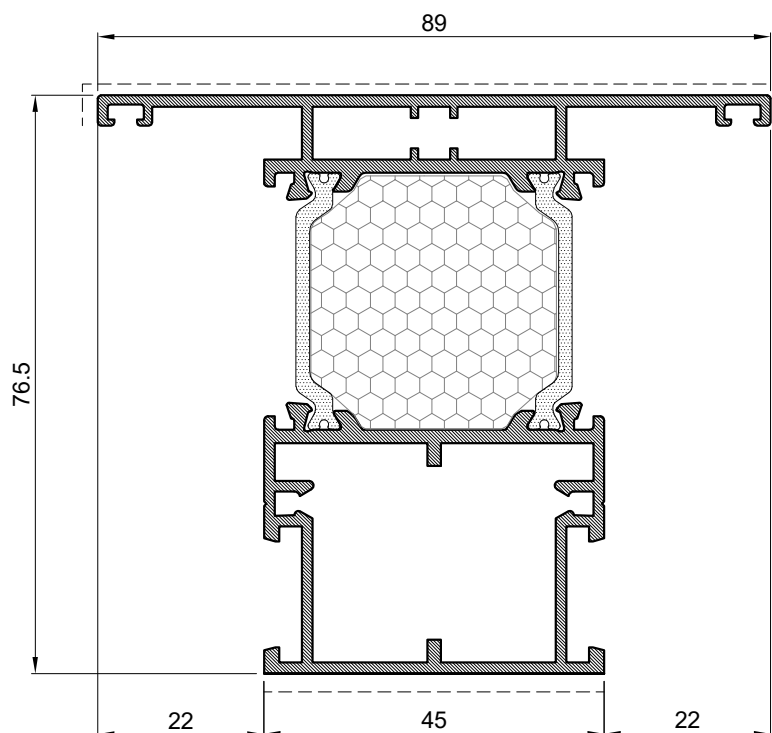
Profil krila-otvaranje vani
Profile sash-outside opening

Art.Br. Art.Nr.	FT-0219HF	
Težina Weight	kg/m	2.424
Opseg Perimeter	mm	570
Moment inercije Moment of inertia	Ix (cm ⁴)	55.99
	Iy (cm ⁴)	49.45
	Wx (cm ³)	15.62
	Wy (cm ³)	8.82
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

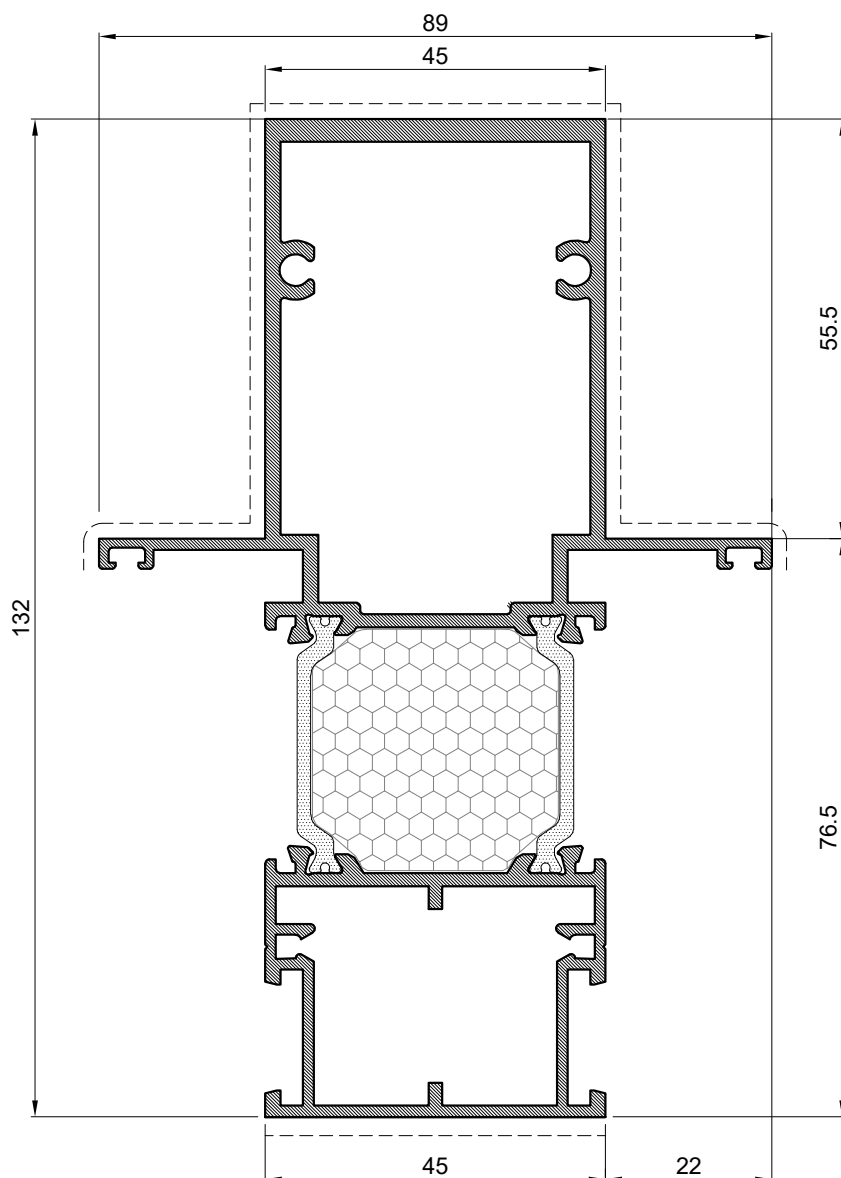


Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0205HF	
Težina Weight	kg/m	1.477
Opseg Perimeter	mm	391
Moment inercije Moment of inertia	I _x (cm ⁴)	27
	I _y (cm ⁴)	8.91
	W _x (cm ³)	8.34
	W _y (cm ³)	2.47
L	mm	6500



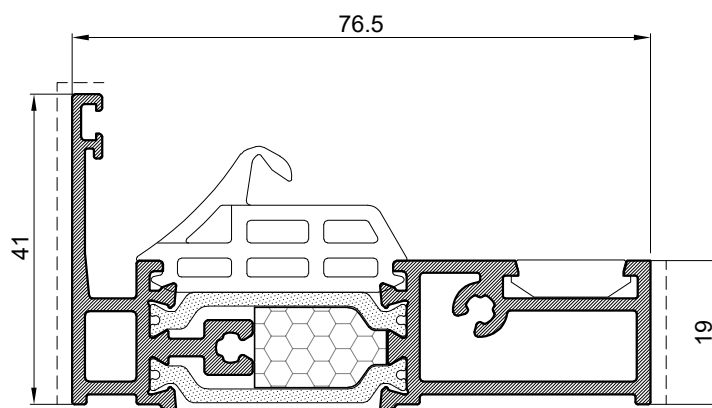
Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0206HF	
Težina Weight	kg/m	1.808
Opseg Perimeter	mm	435
Moment inercije Moment of inertia	I _x (cm ⁴)	34.87
	I _y (cm ⁴)	21.51
	W _x (cm ³)	10.84
	W _y (cm ³)	4.83
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”



Profil ojačane prečke
Reinforcement window mullion

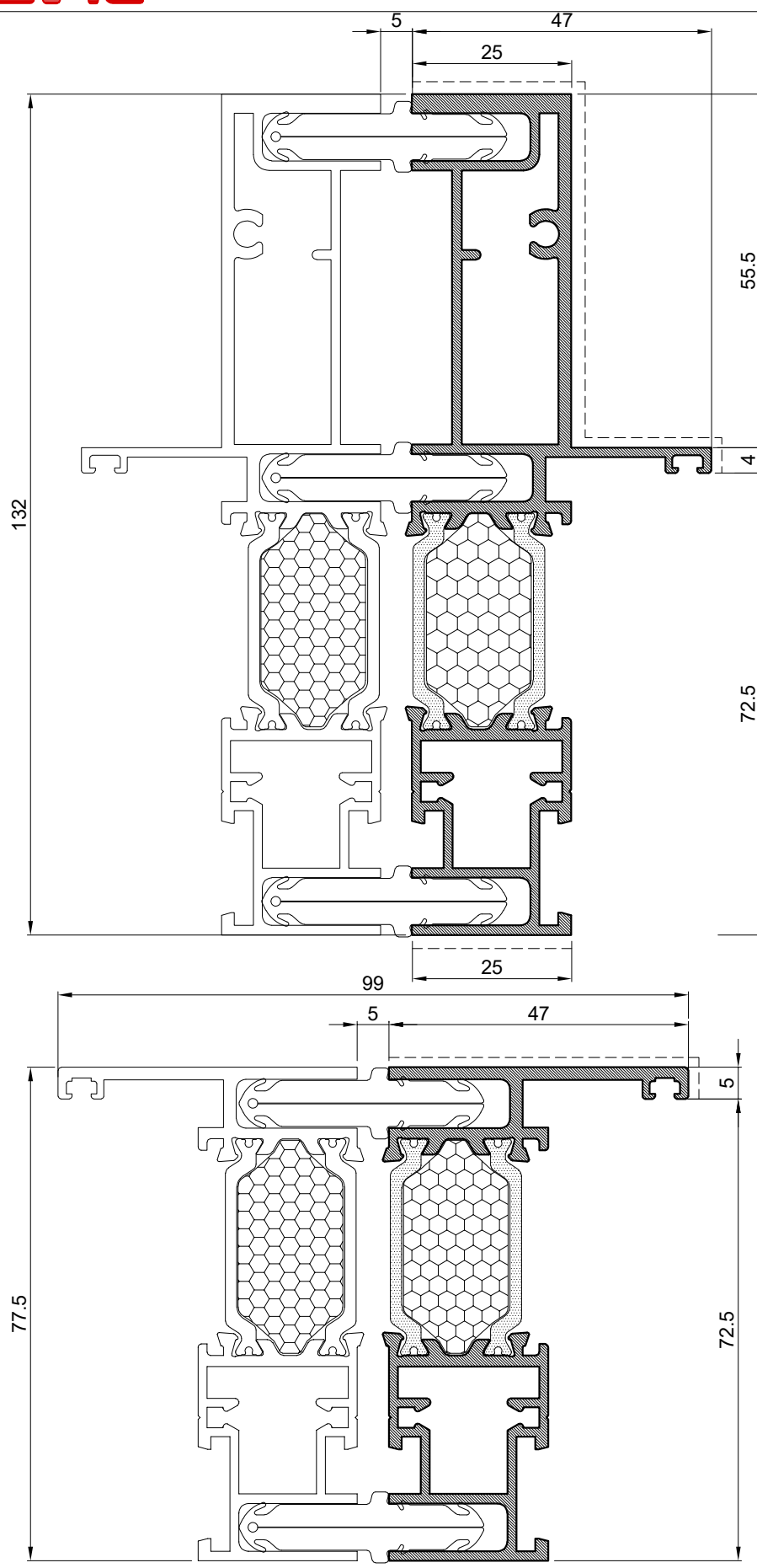
Art.Br. Art.Nr.	FT-0209HF	
Težina Weight	kg/m	2.730
Opseg Perimeter	mm	564
Moment inercije Moment of inertia	I _x (cm ⁴)	133.33
	I _y (cm ⁴)	34.73
	W _x (cm ³)	24.3
	W _y (cm ³)	7.8
L	mm	6500



Profil praga
Threshold profile

Art.Br. Art.Nr.	FT-1614HF	
Težina Weight	kg/m	1.300
Opseg Perimeter	mm	280
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”



Vezni profil s ojačanjem
Connection profile-reinforcement

Art.Br. Art.Nr.	FT-0226HF	
Težina Weight	kg/m	2.148
Opseg Perimeter	mm	505
Moment inercije Moment of inertia	I _x (cm ⁴)	100.31
	I _y (cm ⁴)	6.66
	W _x (cm ³)	18.54
	W _y (cm ³)	2.1
L	mm	6500

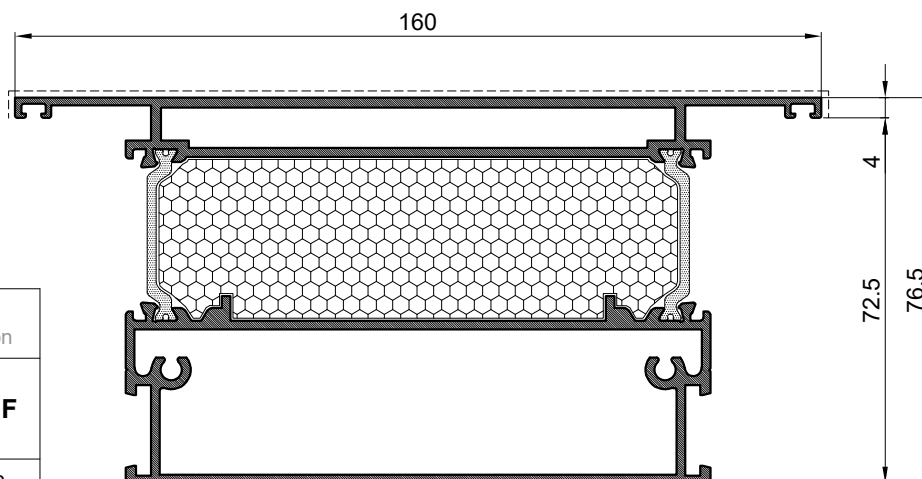
Vezni profil
Connection profile

Art.Br. Art.Nr.	FT-0227HF	
Težina Weight	kg/m	1.380
Opseg Perimeter	mm	388
Moment inercije Moment of inertia	I _x (cm ⁴)	24.96
	I _y (cm ⁴)	5.42
	W _x (cm ³)	8.15
	W _y (cm ³)	1.73
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

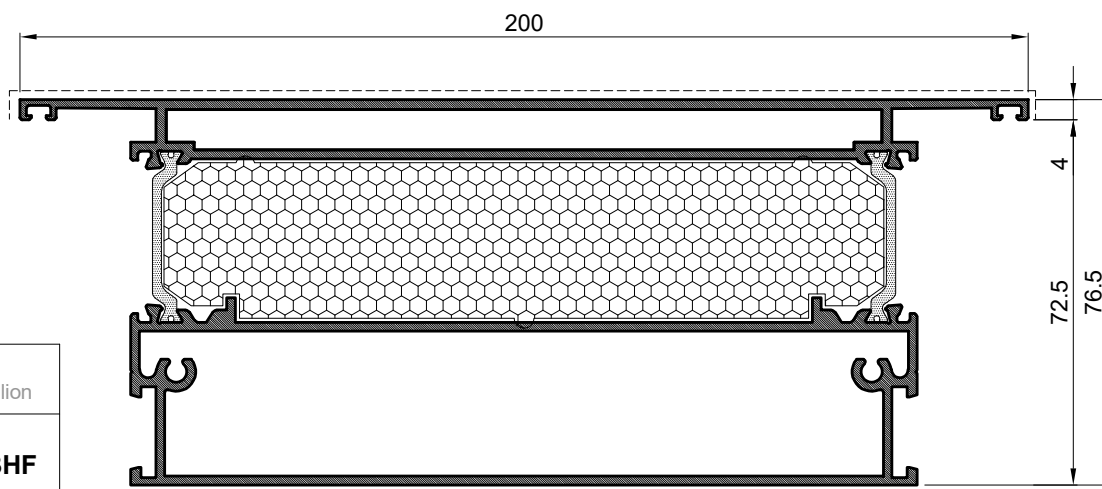
M 1:1.5

Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0207HF	
Težina Weight	kg/m	3.502
Opseg Perimeter	mm	588
Moment inercije Moment of inertia	Ix (cm ⁴)	71.91
	Iy (cm ⁴)	209.94
	Wx (cm ³)	22.46
	Wy (cm ³)	26.24
L	mm	6500

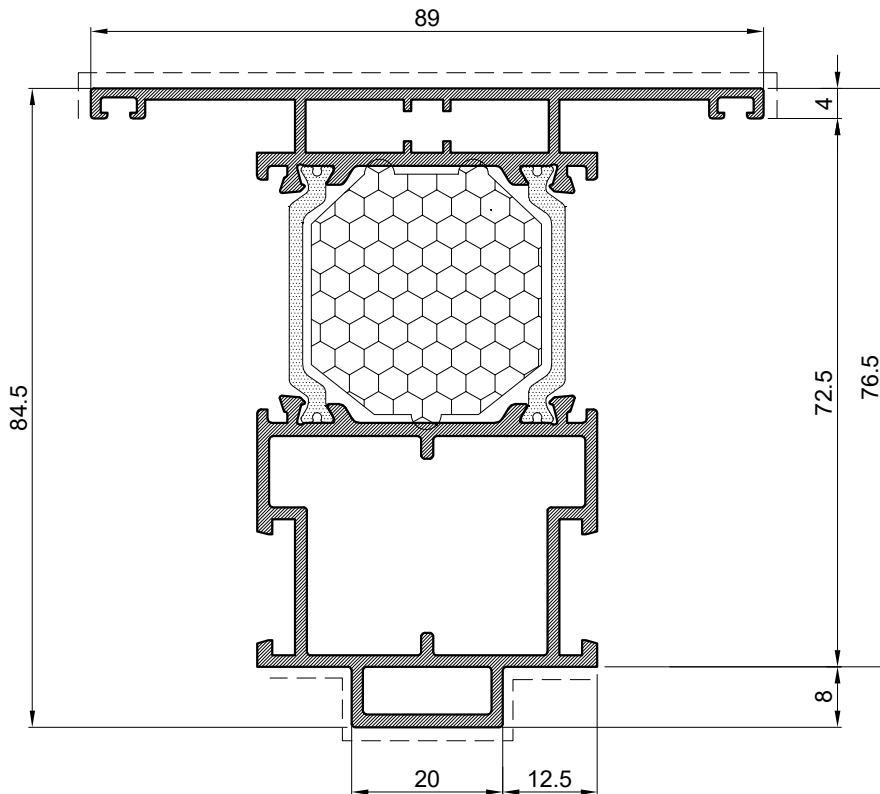


M 1:1.5

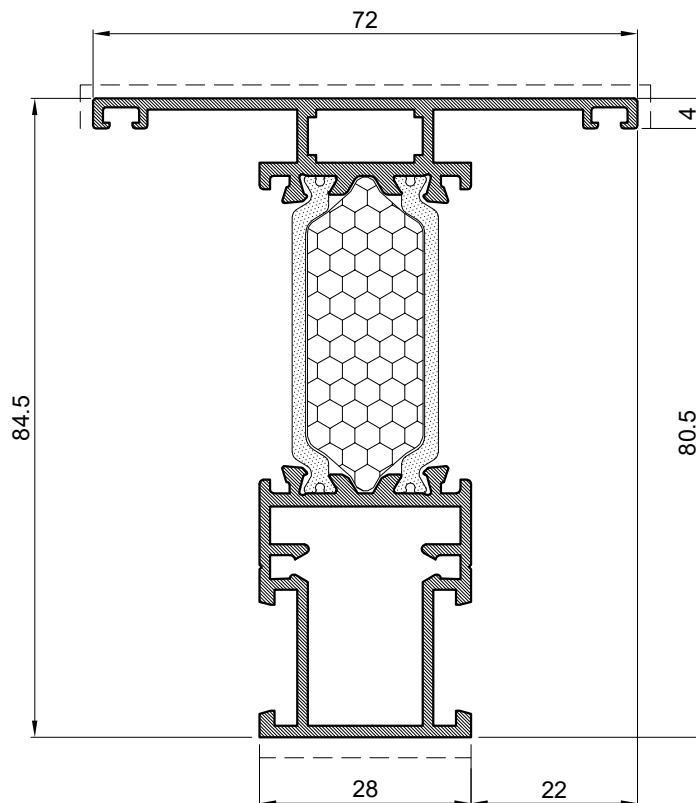
Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0243HF	
Težina Weight	kg/m	4.304
Opseg Perimeter	mm	677
Moment inercije Moment of inertia	Ix (cm ⁴)	93.1
	Iy (cm ⁴)	450.13
	Wx (cm ³)	29.01
	Wy (cm ³)	45.01
L	mm	6500



PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

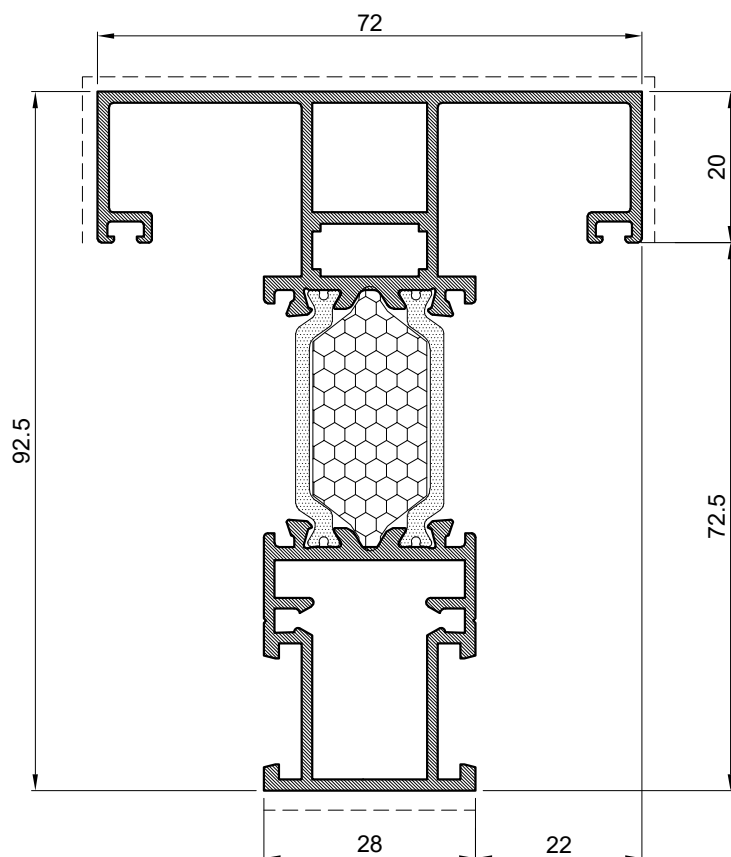


Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0276HF	
Težina Weight	kg/m	1.941
Opseg Perimeter	mm	478
Moment inercije Moment of inertia	I _x (cm ⁴)	44.24
	I _y (cm ⁴)	21.67
	W _x (cm ³)	12.52
	W _y (cm ³)	4.87
L	mm	6500

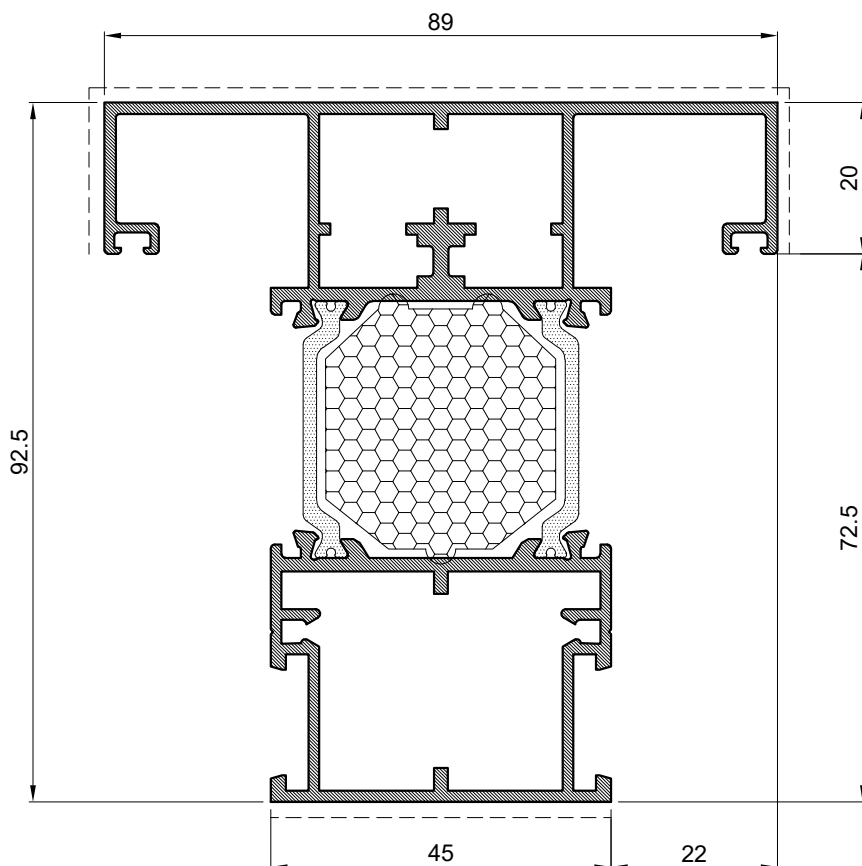


Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0284HF	
Težina Weight	kg/m	1.515
Opseg Perimeter	mm	416
Moment inercije Moment of inertia	I _x (cm ⁴)	34.47
	I _y (cm ⁴)	8.91
	W _x (cm ³)	9.91
	W _y (cm ³)	2.47
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

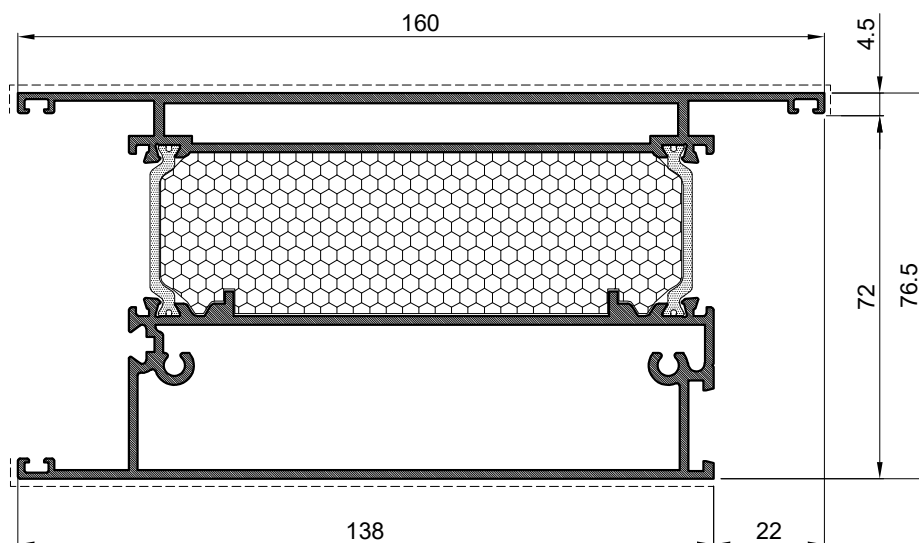


Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0269HF	
Težina Weight	kg/m	1.835
Opseg Perimeter	mm	523
Moment inercije Moment of inertia	I _x (cm ⁴)	45.3
	I _y (cm ⁴)	16.97
	W _x (cm ³)	11.19
	W _y (cm ³)	4.71
L	mm	6500

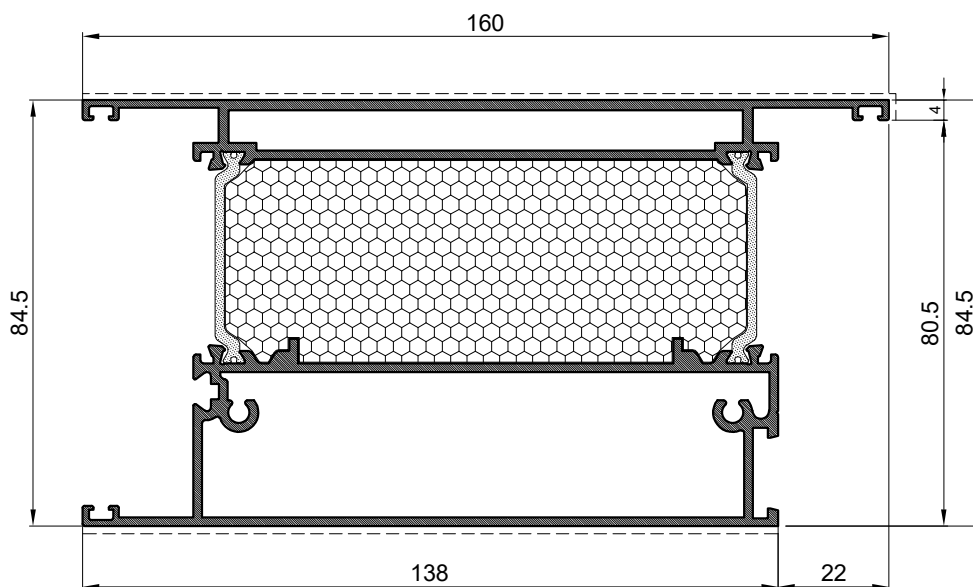


Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0270HF	
Težina Weight	kg/m	2.230
Opseg Perimeter	mm	551
Moment inercije Moment of inertia	I _x (cm ⁴)	57.16
	I _y (cm ⁴)	34.87
	W _x (cm ³)	14.33
	W _y (cm ³)	7.84
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

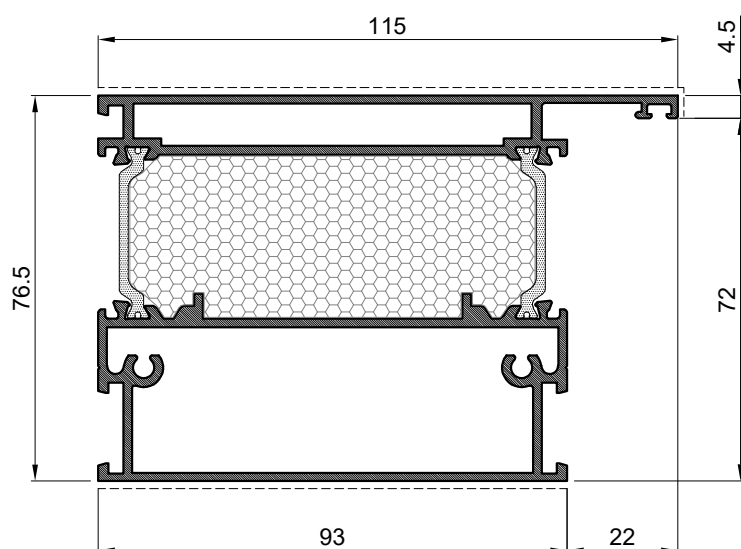
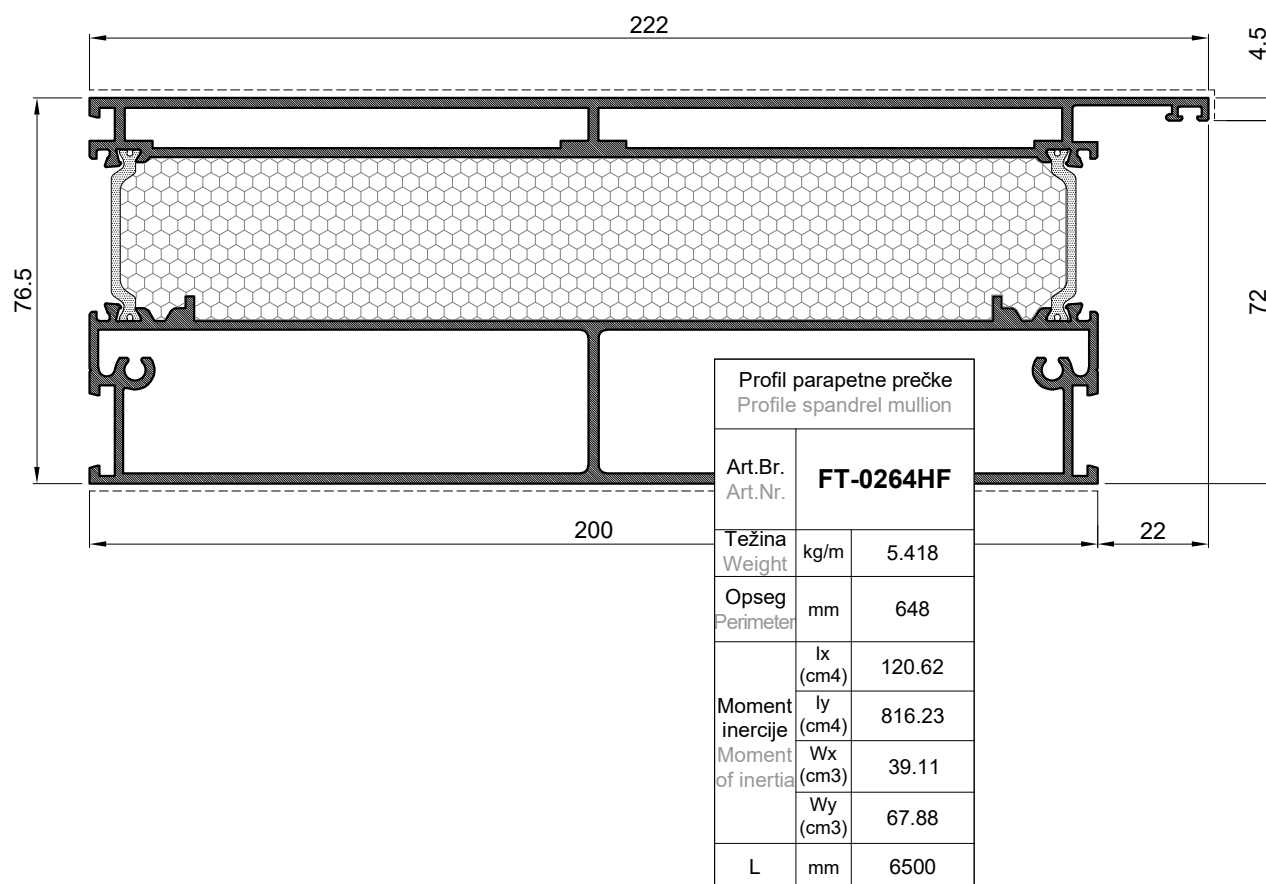


Profil parapetne prečke Profile spandrel mullion		
Art.Br. Art.Nr.	FT-0208HF	
Težina Weight	kg/m	3.559
Opseg Perimeter	mm	650
Moment inercije Moment of inertia	Ix (cm ⁴)	76.82
	Iy (cm ⁴)	229.98
	Wx (cm ³)	24.7
	Wy (cm ³)	27.94
L	mm	6500



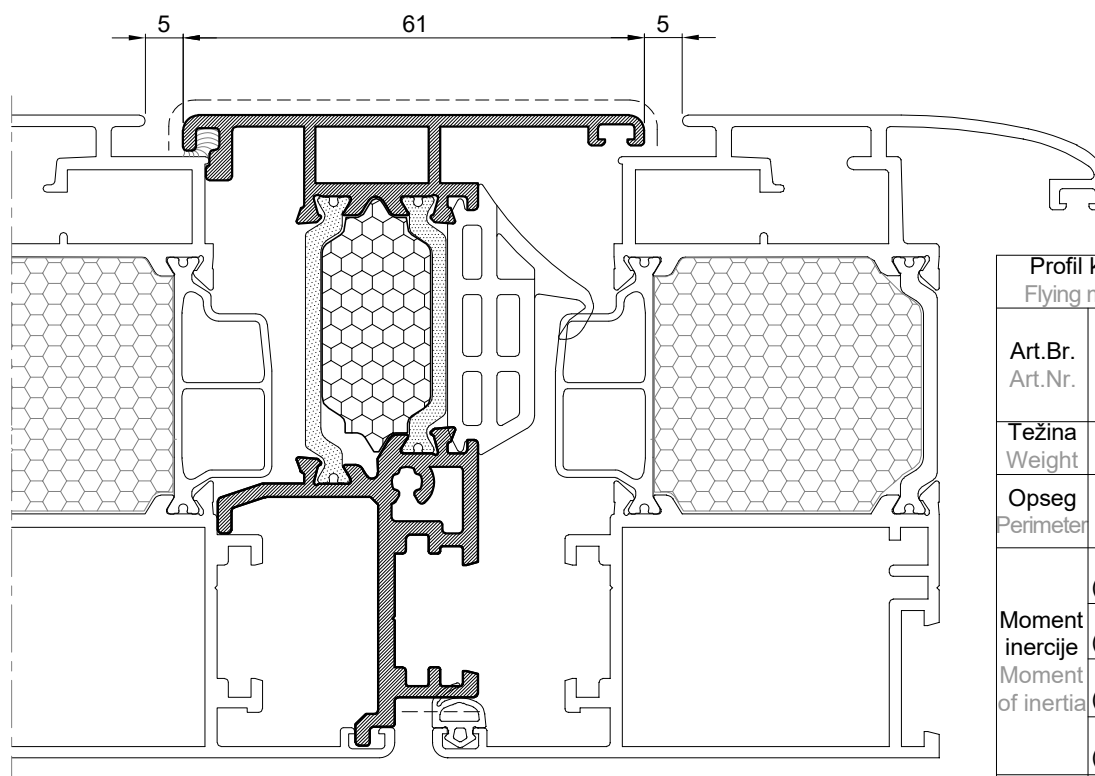
Profil parapetne prečke Profile spandrel mullion		
Art.Br. Art.Nr.	FT-0282HF	
Težina Weight	kg/m	3.598
Opseg Perimeter	mm	666
Moment inercije Moment of inertia	Ix (cm ⁴)	96.79
	Iy (cm ⁴)	230
	Wx (cm ³)	28.99
	Wy (cm ³)	27.94
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

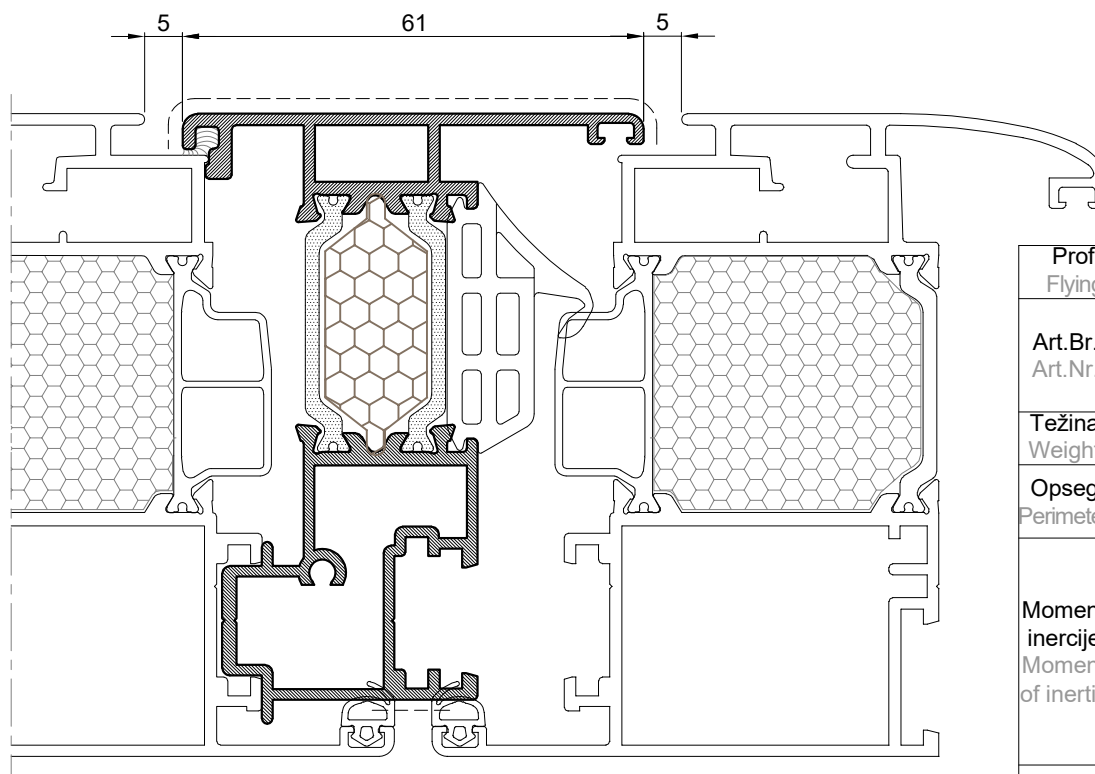


Profil parapetne prečke Profile spandrel mullion		
Art.Br. Art.Nr.	FT-0265HF	
Težina Weight	kg/m	2.834
Opseg Perimeter	mm	434
Moment inercije Moment of inertia	Ix (cm ⁴)	55.58
	Iy (cm ⁴)	109.02
	Wx (cm ³)	18.14
	Wy (cm ³)	16.51
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

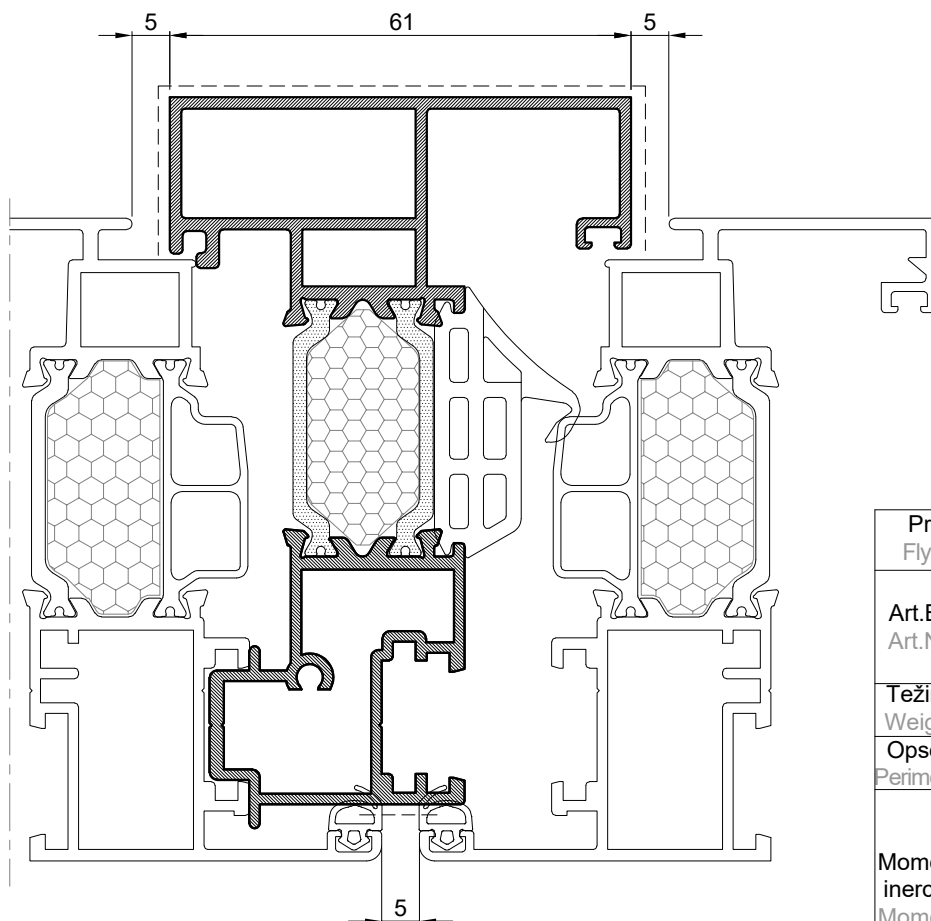


Profil komb.-za prozor Flying mullion-for window		
Art.Br. Art.Nr.	FT-0286HF	
Težina Weight	kg/m	1.503
Opseg Perimeter	mm	412
Moment inercije Moment of inertia	Ix (cm4)	26.74
	Iy (cm4)	6.94
	Wx (cm3)	7.42
	Wy (cm3)	2.05
L	mm	6500



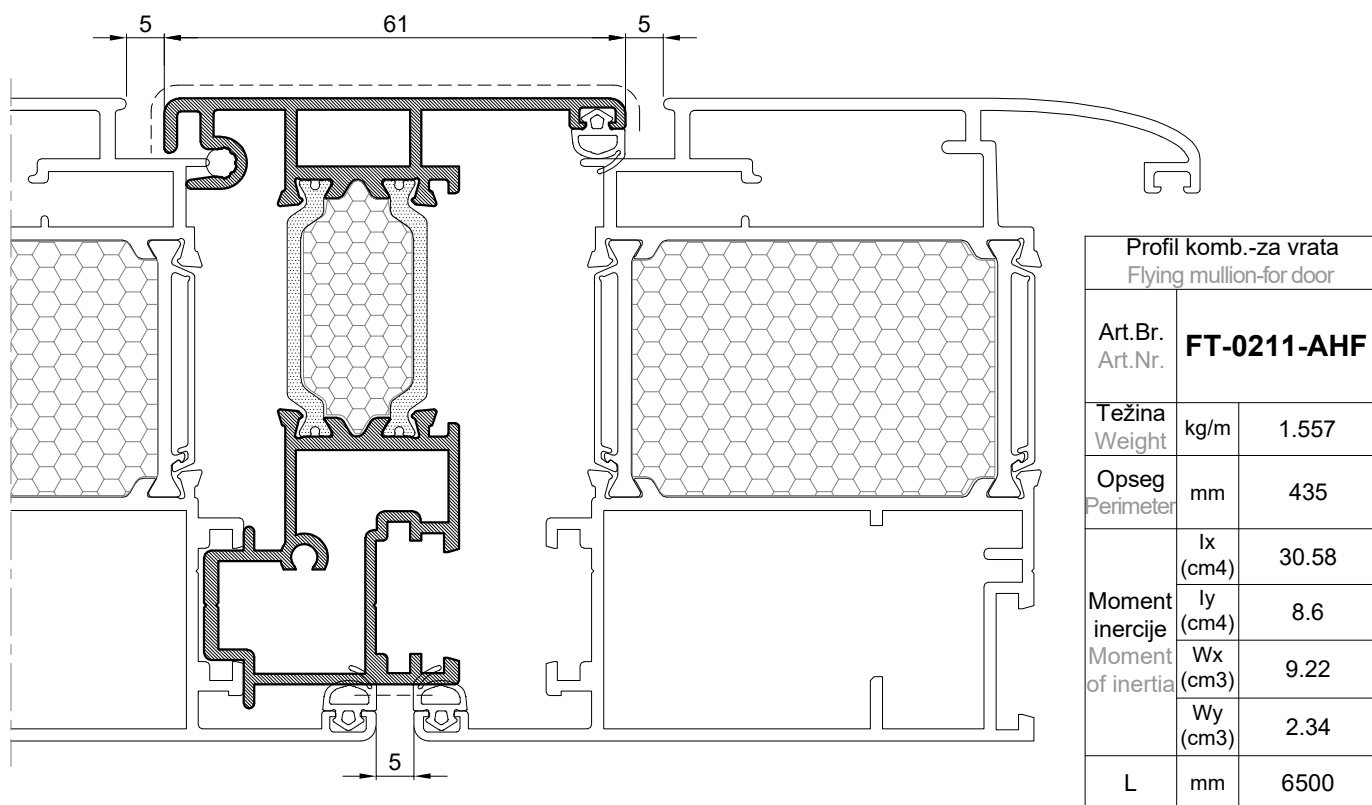
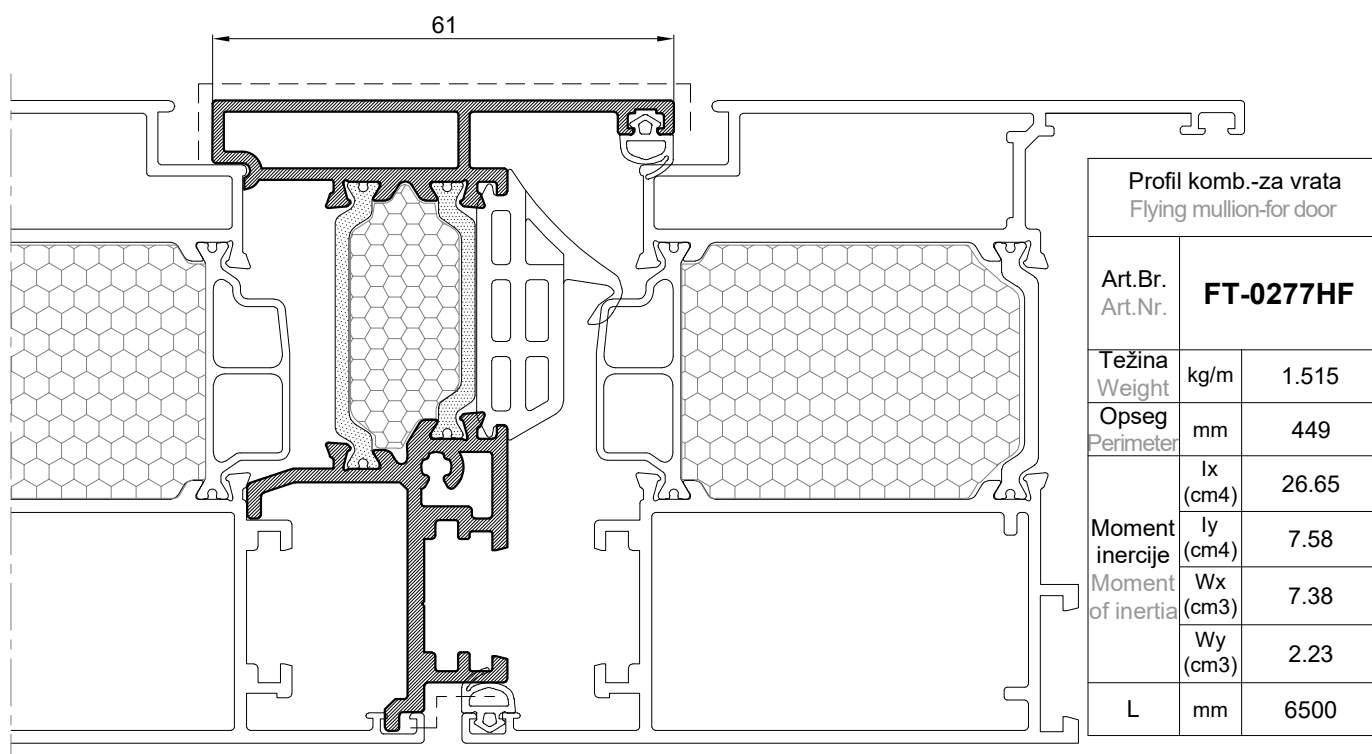
Profil komb.-za prozor Flying mullion-for window		
Art.Br. Art.Nr.	FT-0211HF	
Težina Weight	kg/m	1.518
Opseg Perimeter	mm	420
Moment inercije Moment of inertia	Ix (cm4)	29.86
	Iy (cm4)	8.18
	Wx (cm3)	9.15
	Wy (cm3)	2.26
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

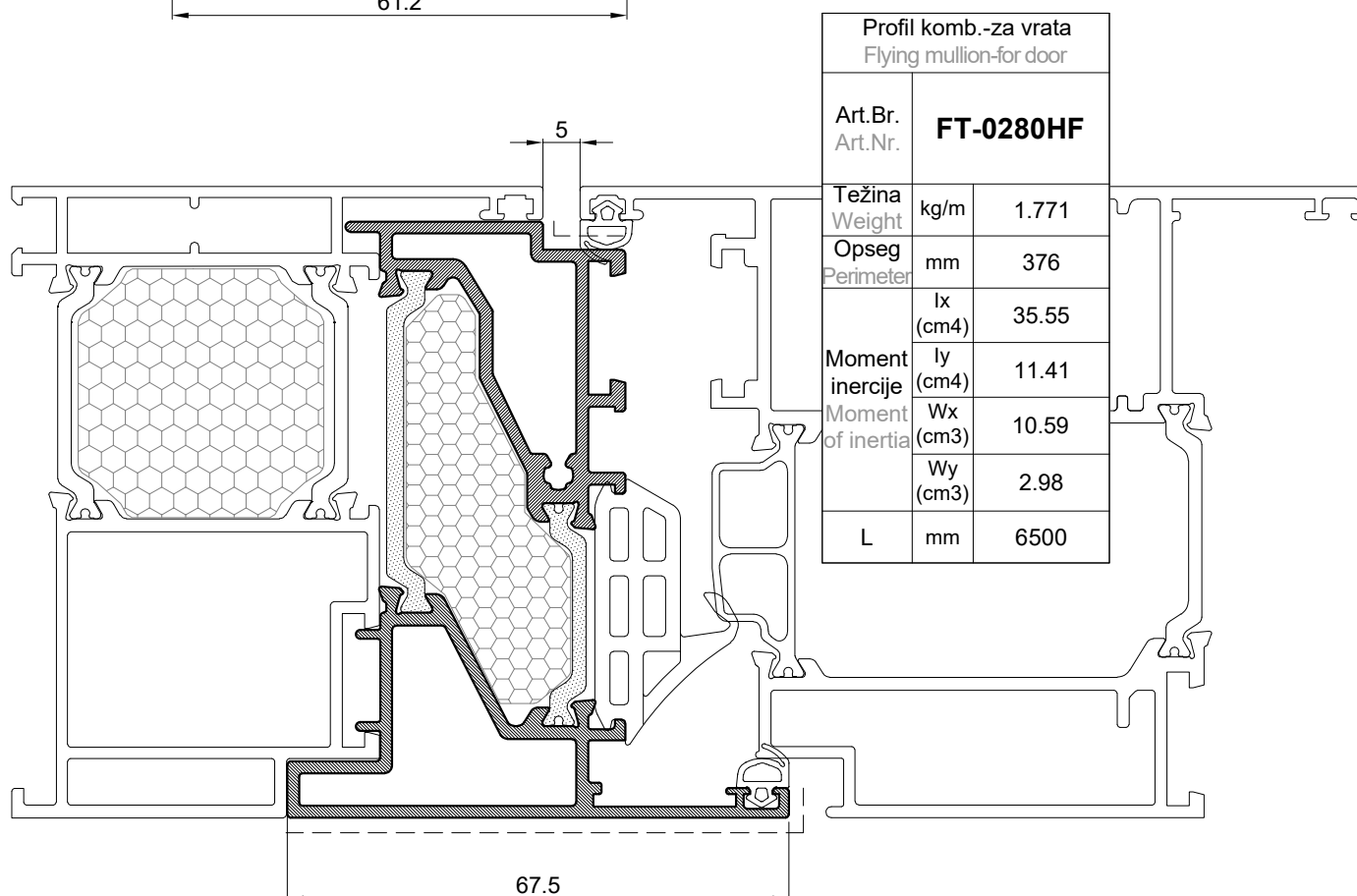
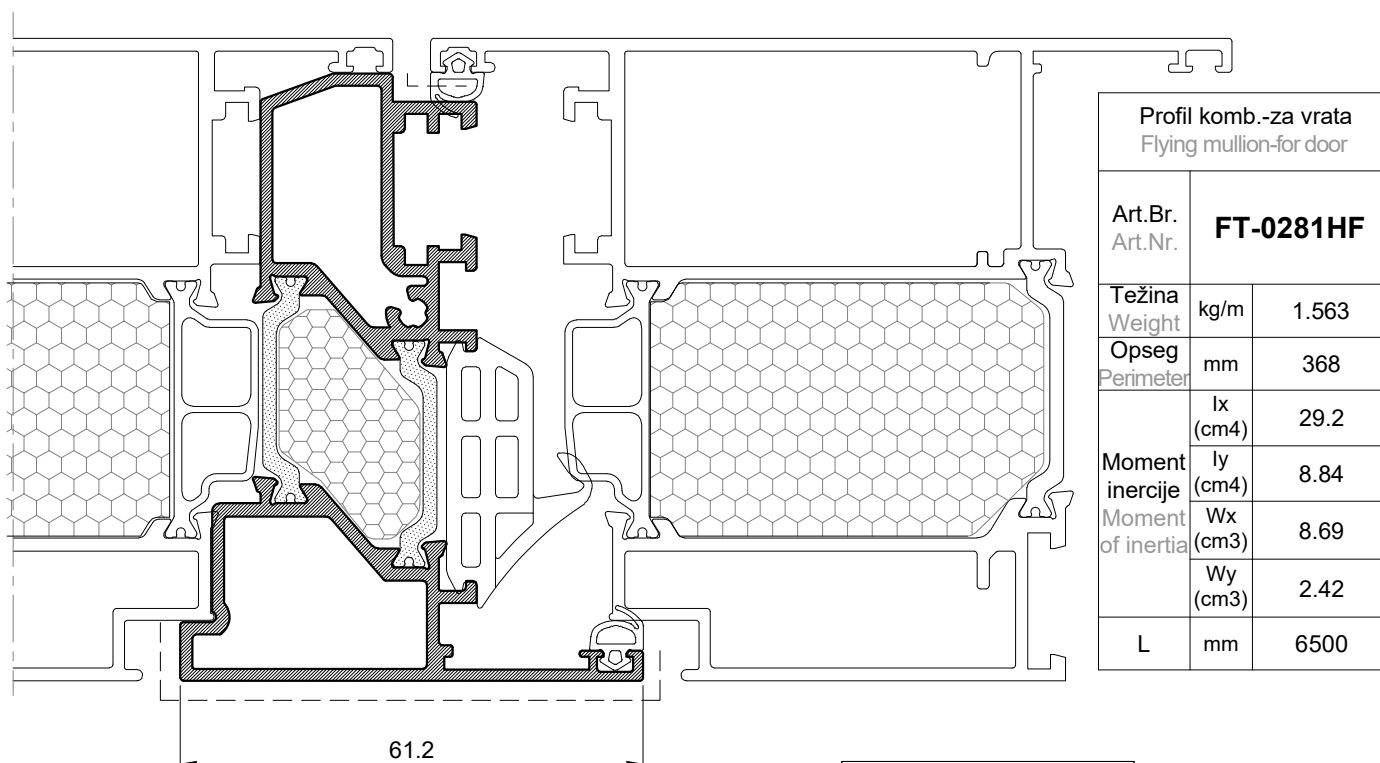


Profil komb.-za prozor Flying mullion-for window		
Art.Br. Art.Nr.	FT-0271HF	
Težina Weight	kg/m	1.845
Opseg Perimeter	mm	475
Moment inercije Moment of inertia	I _x (cm ⁴)	48.88
	I _y (cm ⁴)	14.08
	W _x (cm ³)	12.14
	W _y (cm ³)	3.98
L	mm	6500

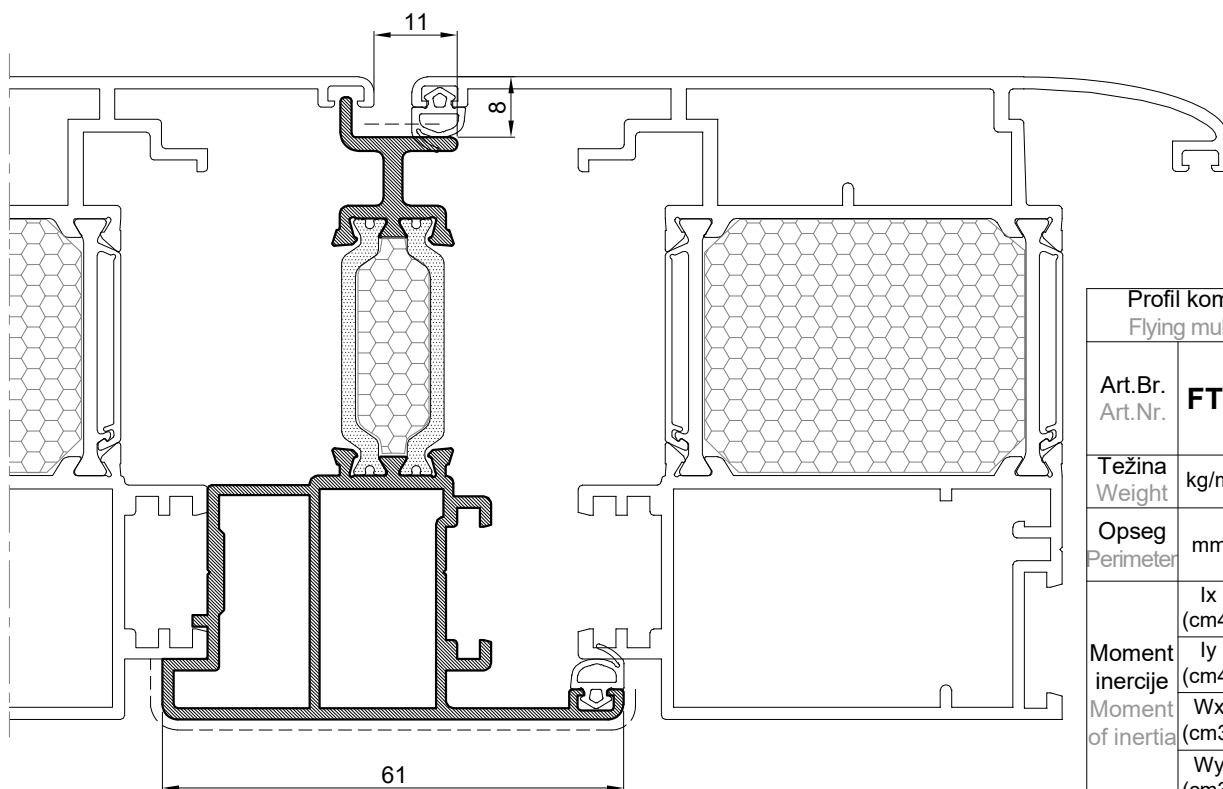
PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”



PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

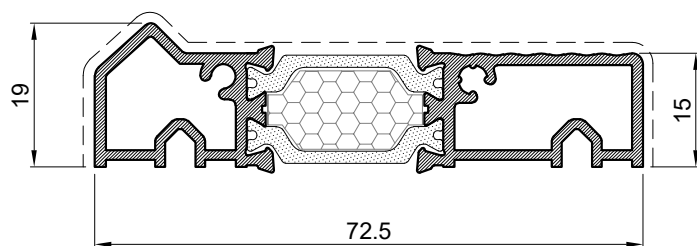


PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”



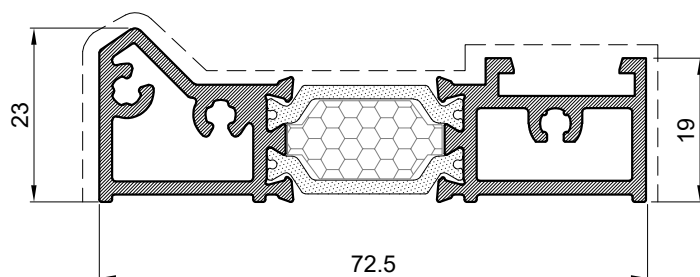
Profil komb.-za vrata Flying mullion-for door		
Art.Br. Art.Nr.	FT-0213-AHF	
Težina Weight	kg/m	1.362
Opseg Perimeter	mm	357
Moment inercije Moment of inertia	Ix (cm4)	21.92
	Iy (cm4)	8.21
	Wx (cm3)	5.3
	Wy (cm3)	2.4
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”



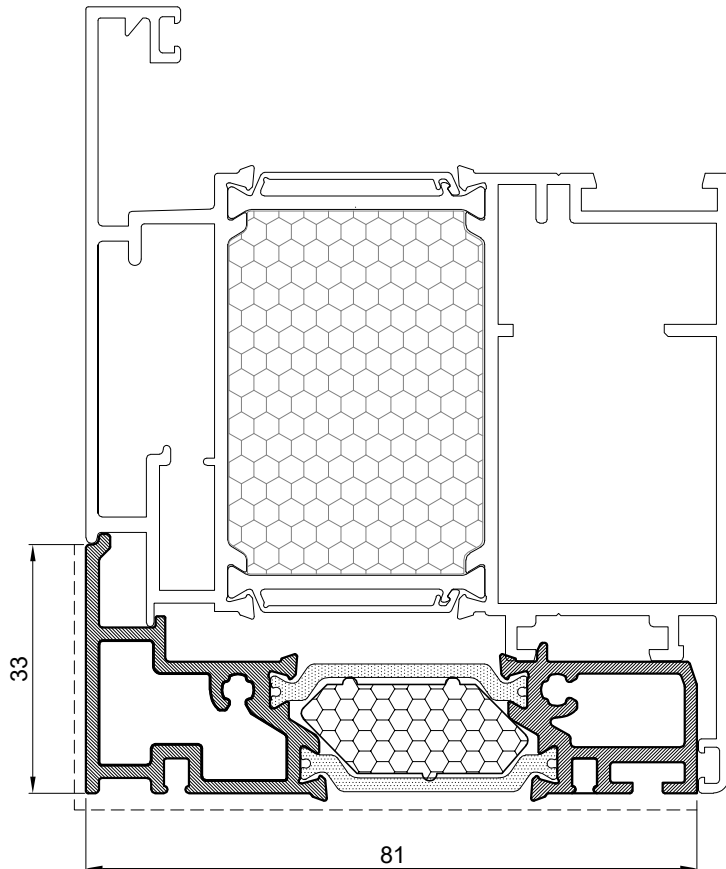
Profil praga Profile threshold

Art.Br. Art.Nr.	FT-0223HF	
Težina Weight	kg/m	0.916
Opseg Perimeter	mm	201
L	mm	6500



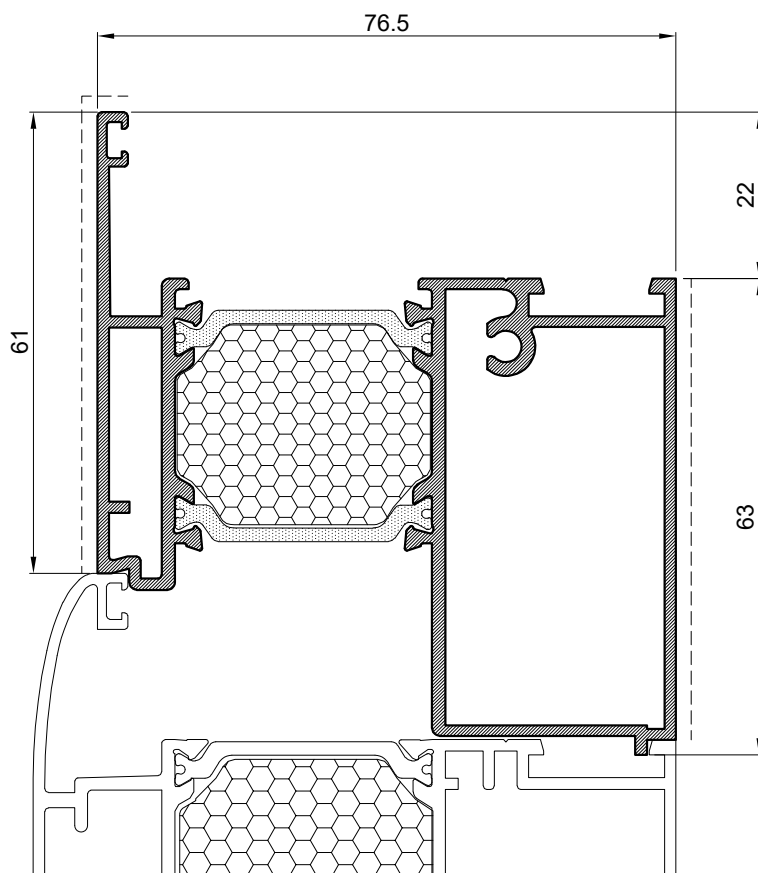
Profil praga Profile threshold

Art.Br. Art.Nr.	FT-0294HF	
Težina Weight	kg/m	1.180
Opseg Perimeter	mm	230
L	mm	6500

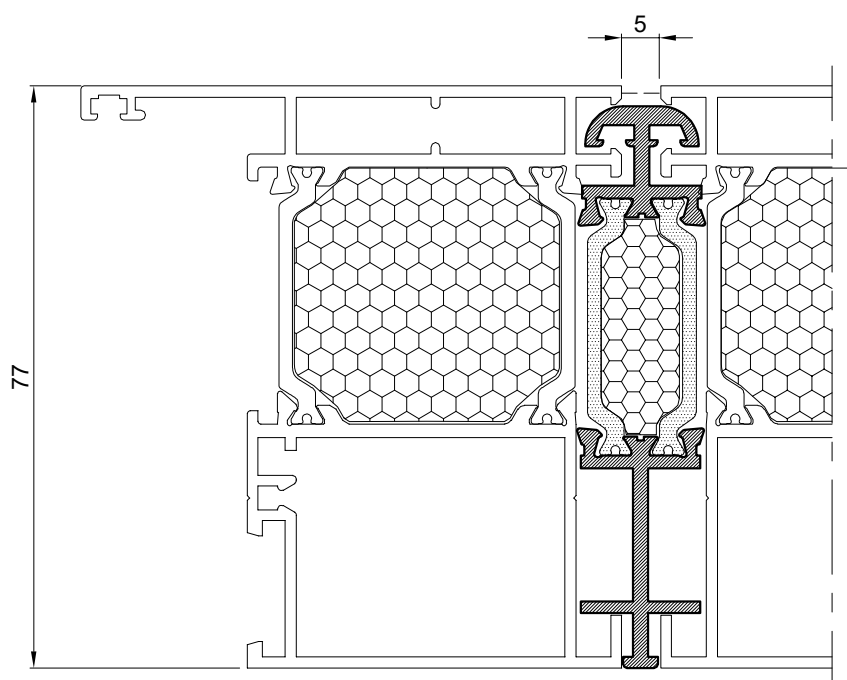
Profil parapeta
Profile spandrel

Art.Br. Art.Nr.	FT-0288HF	
Težina Weight	kg/m	1.271
Opseg Perimeter	mm	284
Moment inerције Moment of inertia	I _x (cm ⁴)	2.45
	I _y (cm ⁴)	24.41
	W _x (cm ³)	1.03
	W _y (cm ³)	7.6
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

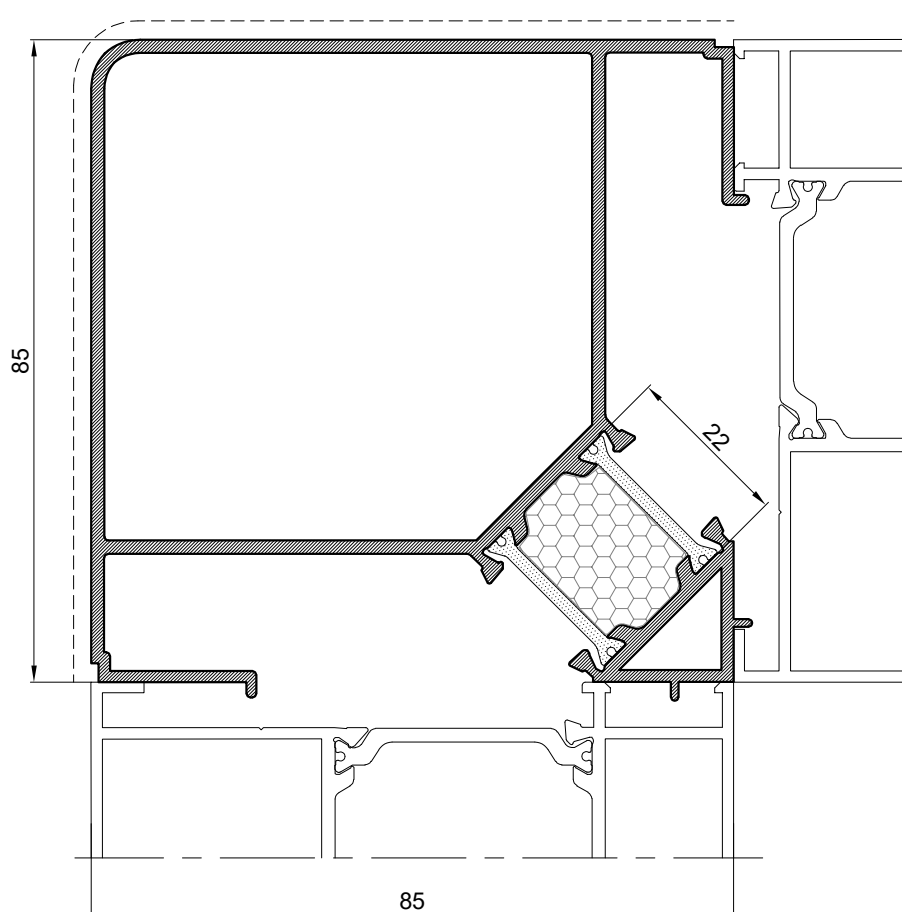


Parapetni profil Spandrel profile		
Art.Br. Art.Nr.	FT-0228HF	
Težina Weight	kg/m	1.775
Opseg Perimeter	mm	391
Moment inercije Moment of inertia	Ix (cm ⁴)	24.74
	Iy (cm ⁴)	45.27
	Wx (cm ³)	5.58
	Wy (cm ³)	11.56
L	mm	6500

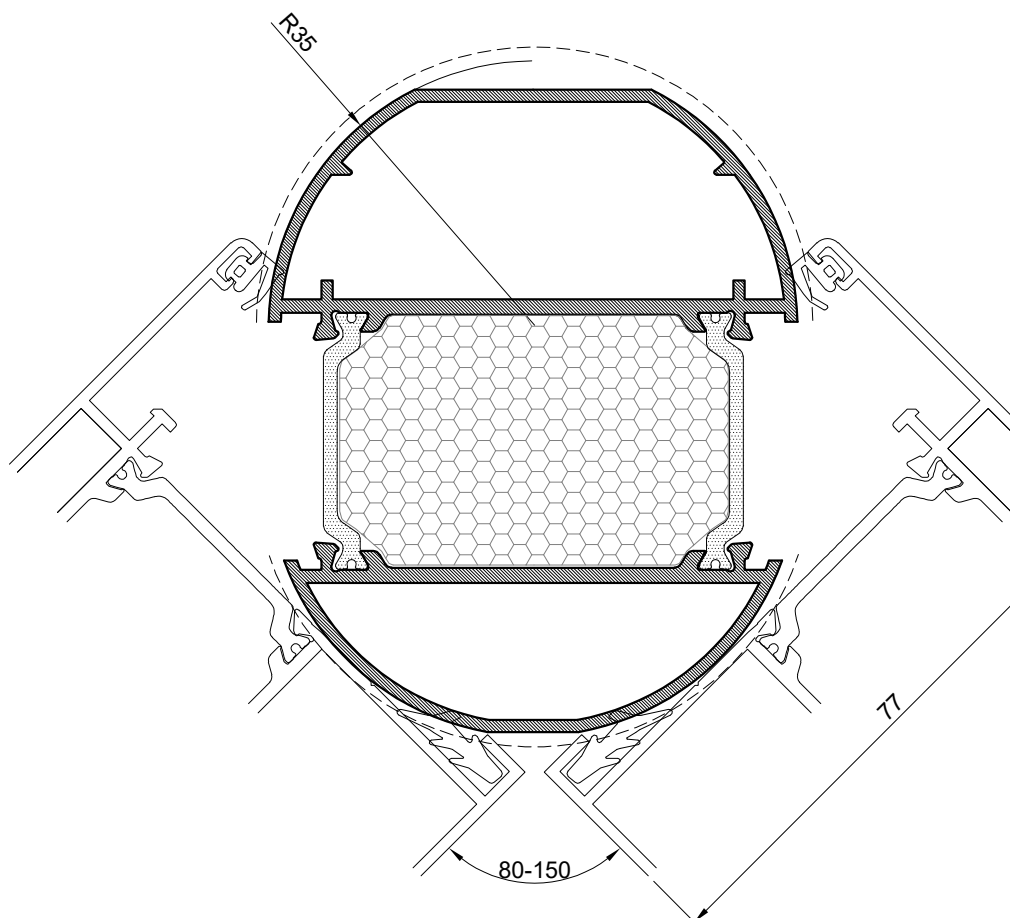


Vezni profil Connection profile		
Art.Br. Art.Nr.	FT-0216HF	
Težina Weight	kg/m	0.849
Opseg Perimeter	mm	253
Moment inercije Moment of inertia	Ix (cm ⁴)	11.08
	Iy (cm ⁴)	0.38
	Wx (cm ³)	3.79
	Wy (cm ³)	0.44
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

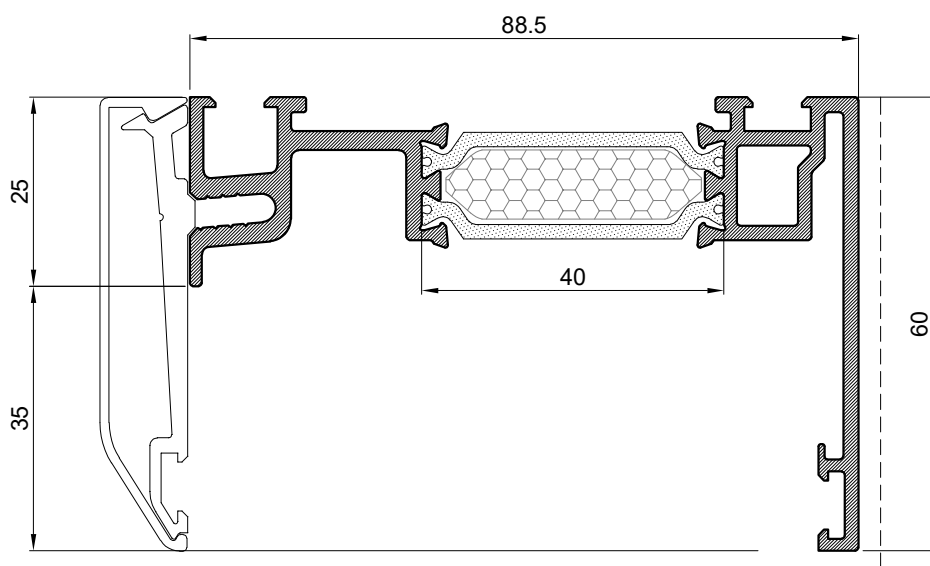


Profil za kut 90° Profile for corner 90°		
Art.Br. Art.Nr.	FT-0235HF	
Težina Weight	kg/m	2.052
Opseg Perimeter	mm	438
Moment inerције Moment of inertia	Ix (cm4)	63.64
	Iy (cm4)	68.81
	Wx (cm3)	15.65
	Wy (cm3)	15.65
L	mm	6500

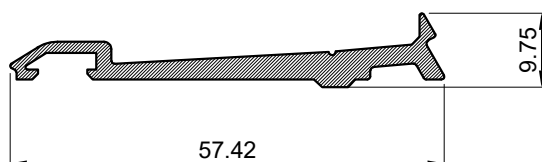


Profil za promjenjivi kut Profile for changeable corner		
Art.Br. Art.Nr.	FT-0217HF	
Težina Weight	kg/m	1.859
Opseg Perimeter	mm	310
Moment inerције Moment of inertia	Ix (cm4)	33.67
	Iy (cm4)	27.48
	Wx (cm3)	10.62
	Wy (cm3)	7.85
L	mm	6500

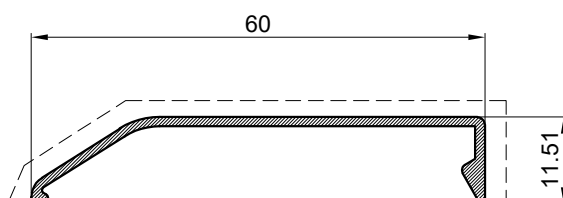
PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”



Profil za ugradnju Installation profile		
Art.Br. Art.Nr.	FT-0242HF	
Težina Weight	kg/m	1.536
Opseg Perimeter	mm	464
L	mm	6500

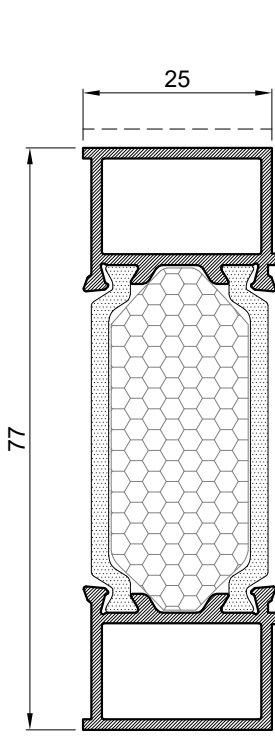


Profil za ugradnju Installation profile		
Art.Br. Art.Nr.	F-1190	
Težina Weight	kg/m	0.461
Opseg Perimeter	mm	145
L	mm	6500

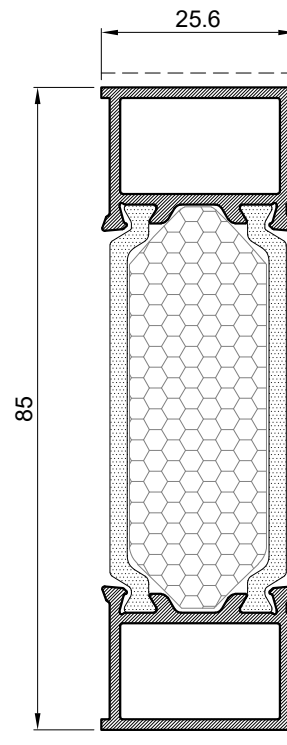


Profil za ugradnju Installation profile		
Art.Br. Art.Nr.	FM-072	
Težina Weight	kg/m	0.258
Opseg Perimeter	mm	152
L	mm	6500

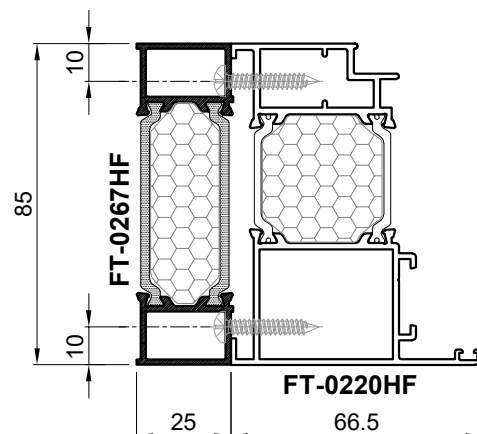
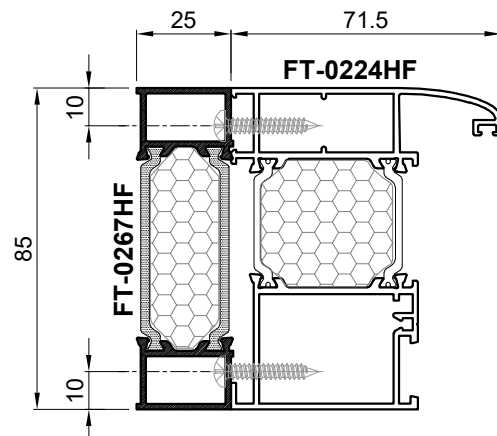
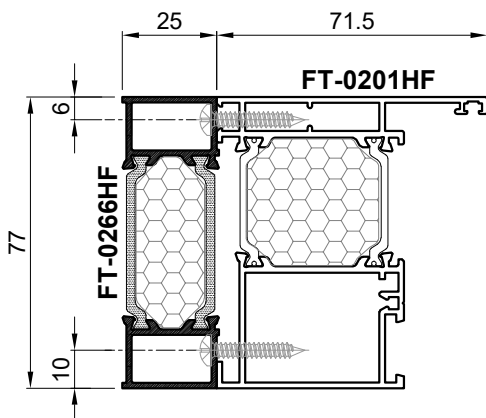
PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”



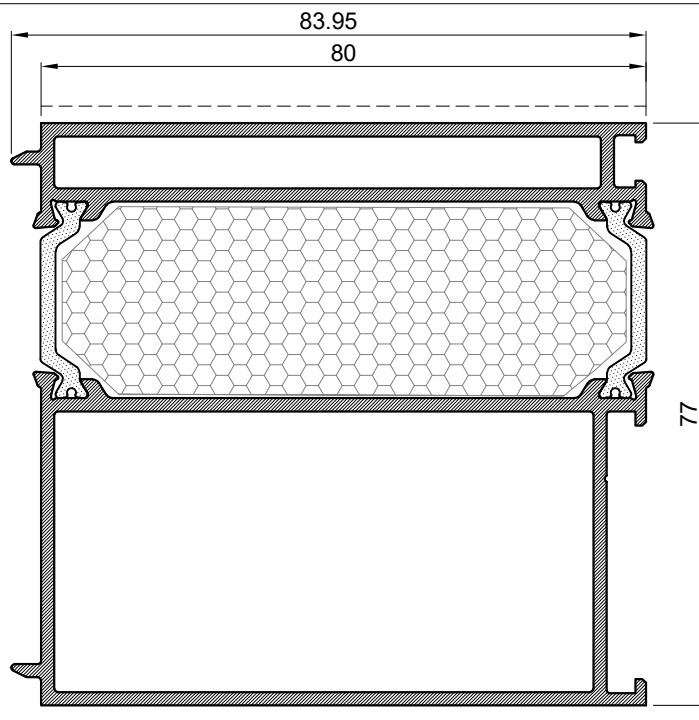
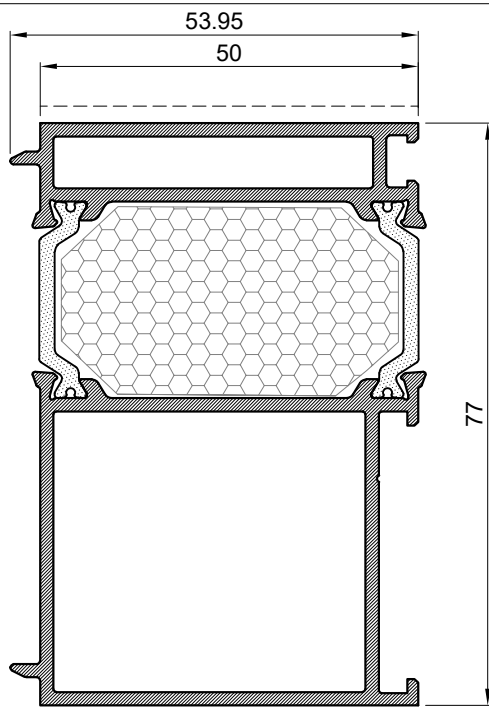
Profil za proširenje rama Frame extension profile		
Art.Br. Art.Nr.	FT-0266HF	
Težina Weight	kg/m	1.082
Opseg Opseg	mm	220
Moment inercije Moment of inertia	Ix (cm4)	16.51
	Iy (cm4)	2.02
	Wx (cm3)	6
	Wy (cm3)	1.56
L	mm	6500



Profil za proširenje rama Frame extension profile		
Art.Br. Art.Nr.	FT-0267HF	
Težina Weight	kg/m	1.036
Opseg Opseg	mm	236
Moment inercije Moment of inertia	Ix (cm4)	21.04
	Iy (cm4)	2.02
	Wx (cm3)	6.96
	Wy (cm3)	1.56
L	mm	6500

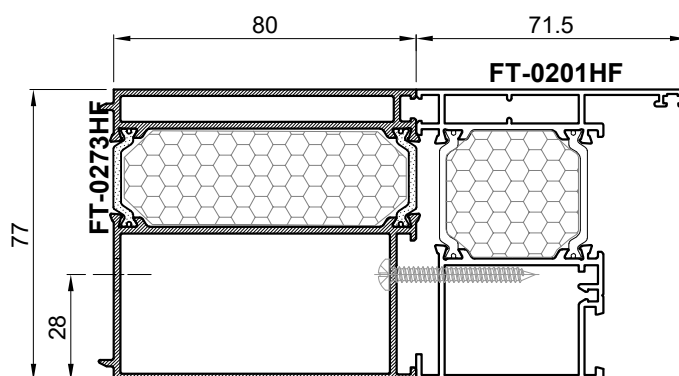
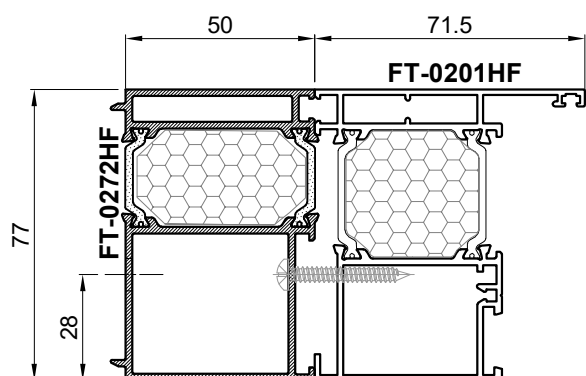


PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

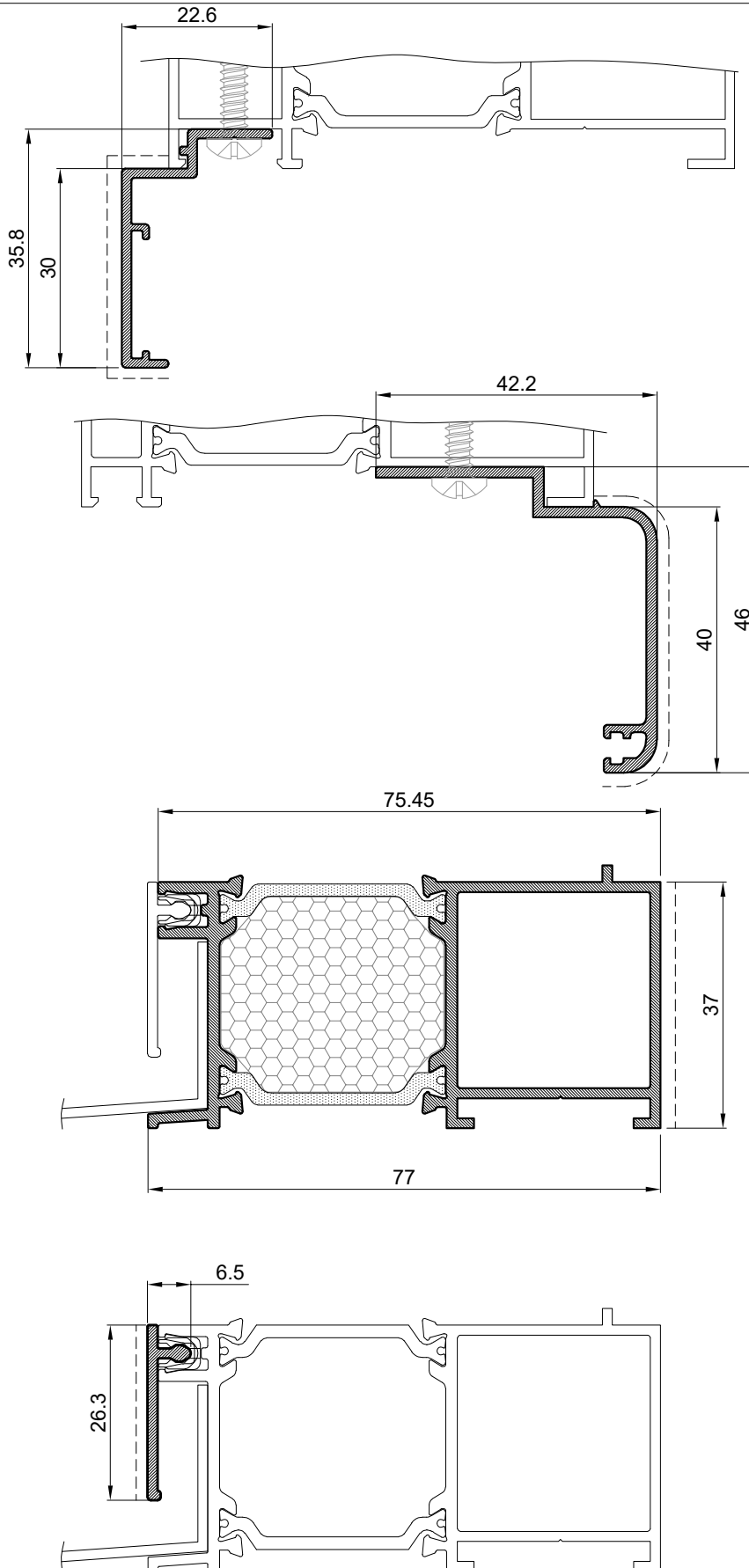


Profil za proširenje rama Frame extension profile		
Art.Br. Art.Nr.	FT-0272HF	
Težina Weight	kg/m	1.705
Opseg Perimeter	mm	293
Moment inerције Moment of inertia	Ix (cm ⁴)	33.58
	Iy (cm ⁴)	18.21
	Wx (cm ³)	10.45
	Wy (cm ³)	6.5
L	mm	6500

Profil za proširenje rama Frame extension profile		
Art.Br. Art.Nr.	FT-0273HF	
Težina Weight	kg/m	2.273
Opseg Perimeter	mm	353
Moment inerције Moment of inertia	Ix (cm ⁴)	47.71
	Iy (cm ⁴)	60.58
	Wx (cm ³)	14.45
	Wy (cm ³)	14.03
L	mm	6500



PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”



Profil Profile		
Art.Br. Art.Nr.	F-1482	
Težina Weight	kg/m	0.252
Opseg Perimeter	mm	137
L	mm	6500

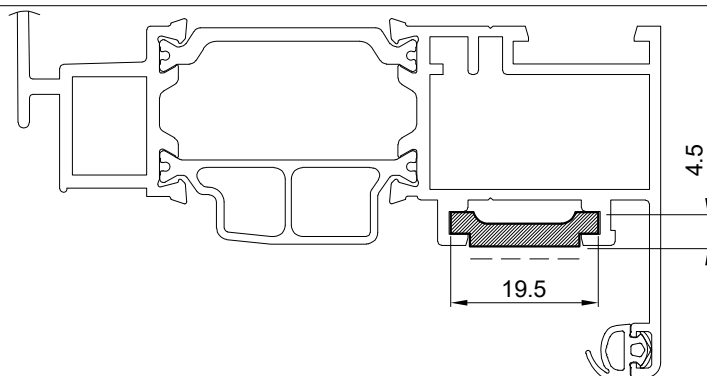
Profil Profile		
Art.Br. Art.Nr.	F-1309	
Težina Weight	kg/m	0.415
Opseg Perimeter	mm	200
L	mm	6500

Profil za ugradnju Installation profile		
Art.Br. Art.Nr.	FT-0289HF	
Težina Weight	kg/m	1.214
Opseg Perimeter	mm	295
Moment inercije Moment of inertia	Ix (cm4)	6.57
	Iy (cm4)	25.59
	Wx (cm3)	3.28
	Wy (cm3)	6.21
L	mm	6500

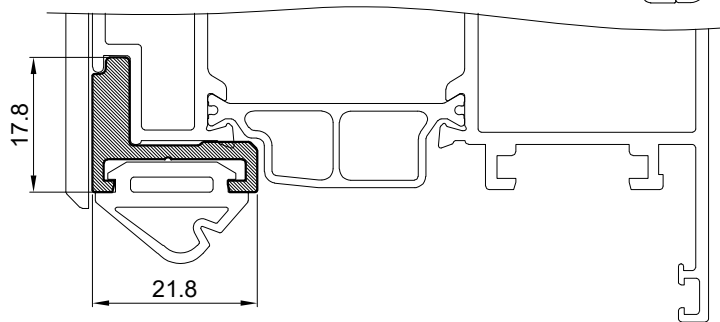
Profil Profile		
Art.Br. Art.Nr.	F-1552	
Težina Weight	kg/m	0.133
Opseg Perimeter	mm	66
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

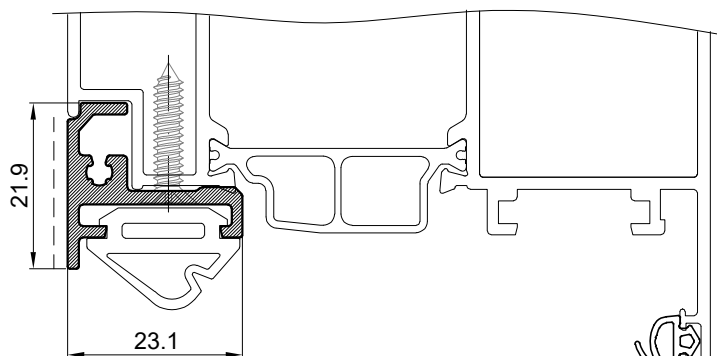
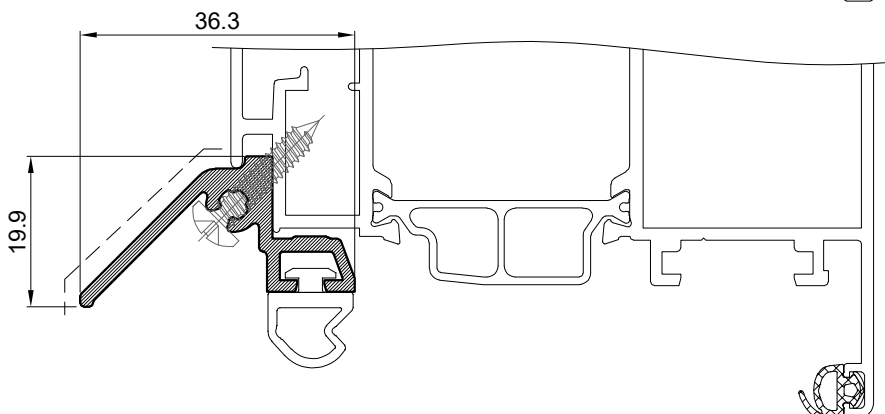
Profil klizača Slide profile		
Art.Br. Art.Nr.	NC-1459	
Težina Weight	kg/m	0.156
Opseg Perimeter	mm	51
L	mm	6500



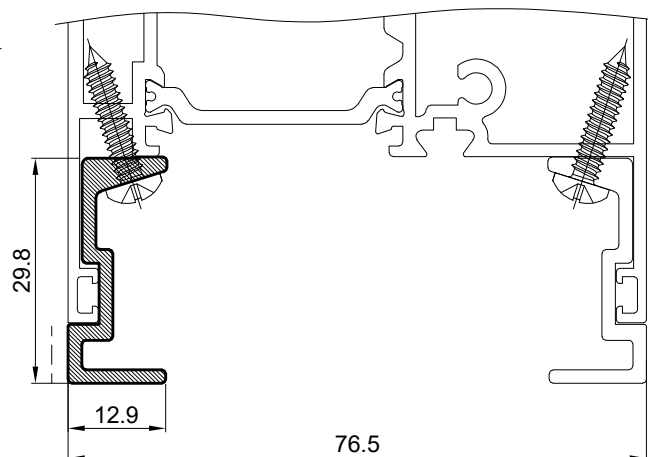
Profile Profile		
Art.Br. Art.Nr.	F-1661	
Težina Weight	kg/m	0.308
Opseg Perimeter	mm	94
L	mm	6500



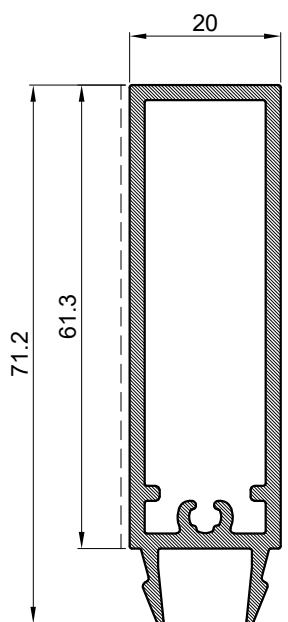
Profile Profile		
Art.Br. Art.Nr.	F-1567	
Težina Weight	kg/m	0.397
Opseg Perimeter	mm	146
L	mm	6500



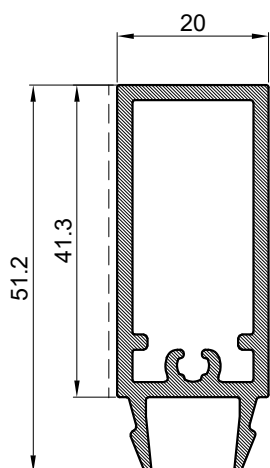
Profile Profile		
Art.Br. Art.Nr.	F-1483	
Težina Weight	kg/m	0.314
Opseg Perimeter	mm	127
L	mm	6500



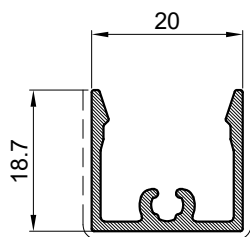
Profile Profile		
Art.Br. Art.Nr.	F-1408	
Težina Weight	kg/m	0.312
Opseg Perimeter	mm	112
L	mm	6500



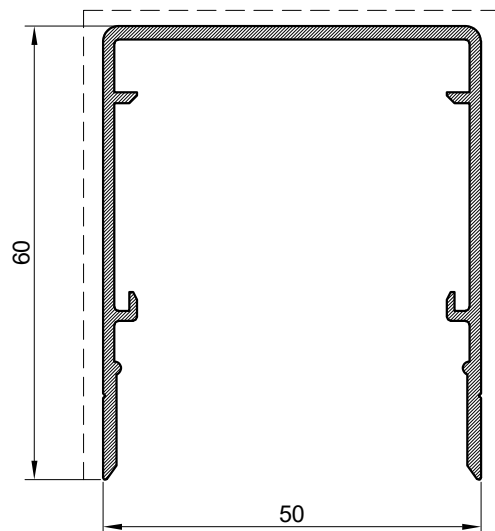
Profil ojačanja prečke Window crossbar reinforcement		
Art.Br. Art.Nr.	NP-4183	
Težina Weight	kg/m	0.990
Opseg Perimeter	mm	200
Moment inerције Moment of inertia	Ix (cm ⁴)	18.21
	Iy (cm ⁴)	2.34
	Wx (cm ³)	5.11
	Wy (cm ³)	2.34
L	mm	6500



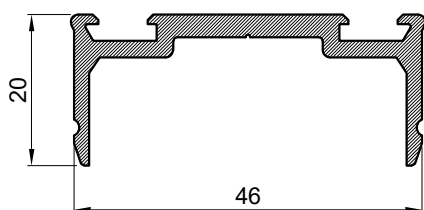
Profil ojačanja prečke Window crossbar reinforcement		
Art.Br. Art.Nr.	F-1634	
Težina Weight	kg/m	0.774
Opseg Perimeter	mm	160
Moment inercije Moment of inertia	Ix (cm ⁴)	7.06
	Iy (cm ⁴)	1.69
	Wx (cm ³)	2.69
	Wy (cm ³)	1.69
L	mm	6500



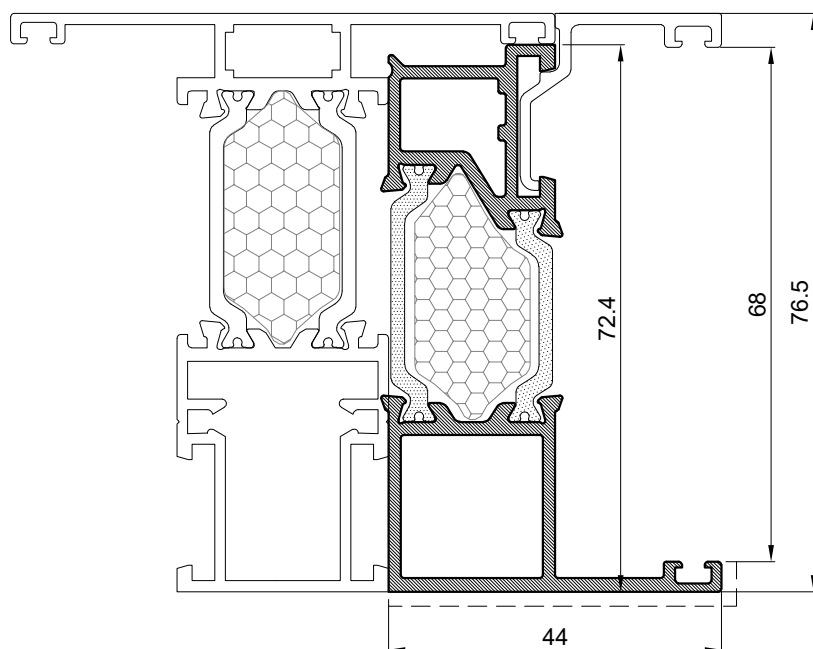
Maska profila ojačanja Reinforcement profile mask		
Art.Br. Art.Nr.	NP-4184	
Težina Weight	kg/m	0.243
Opseg Perimeter	mm	129
L	mm	6500



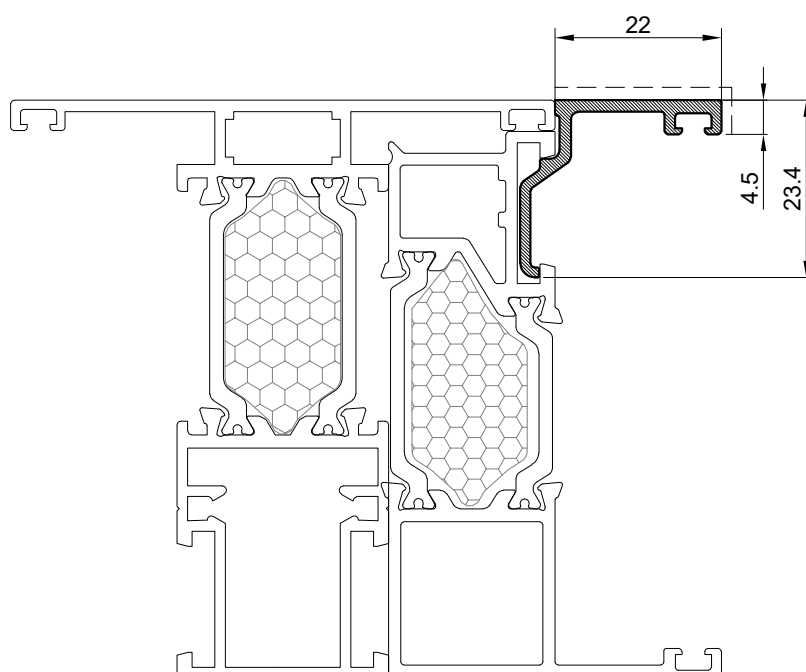
Profil ojačanja Reinforcement profile		
Art.Br. Art.Nr.	FMO 50/20D	
Težina Weight	kg/m	0.558
Opseg Perimeter	mm	185
L	mm	6500



Profil ojačanja Reinforcement profile		
Art.Br. Art.Nr.	FMO 50/61	
Težina Weight	kg/m	0.785
Opseg Perimeter	mm	365
L	mm	6500



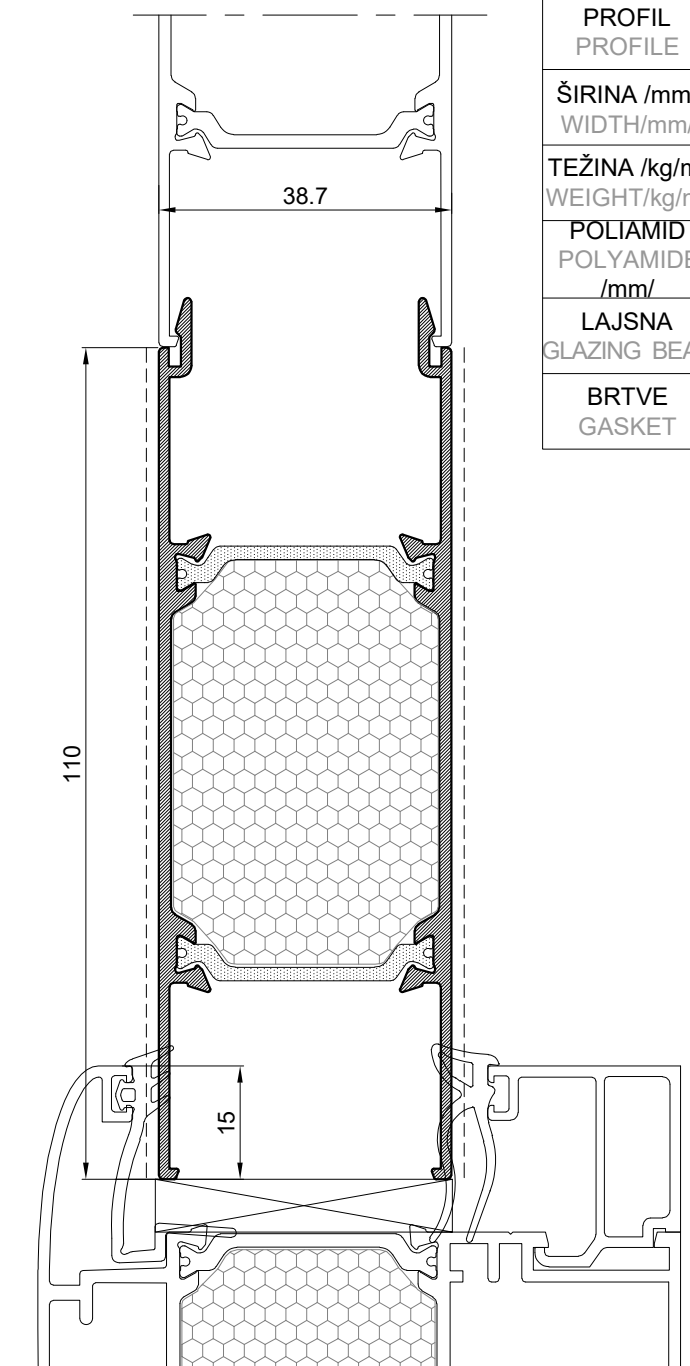
Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0293HF	
Težina Weight	kg/m	1.183
Opseg Perimeter	mm	270
Moment inercije Moment of inertia	Ix (cm ⁴)	17.97
	Iy (cm ⁴)	4.04
	Wx (cm ³)	6.06
	Wy (cm ³)	1.34
L	mm	6500



Profil Profile		
Art.Br. Art.Nr.	NP-4822	
Težina Weight	kg/m	0.218
Opseg Perimeter	mm	134
L	mm	6500

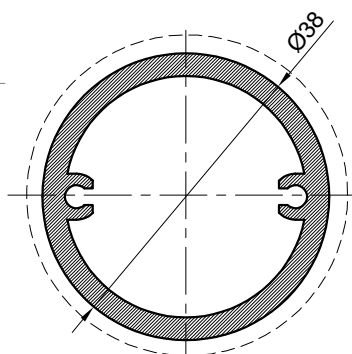
PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
 PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

PROFIL ISPUNE U OVISNOSTI O ŠIRINI POLIAMIDA INSULATION PROFILE IN DEPENDING ON THE WIDTH POLYAMIDE



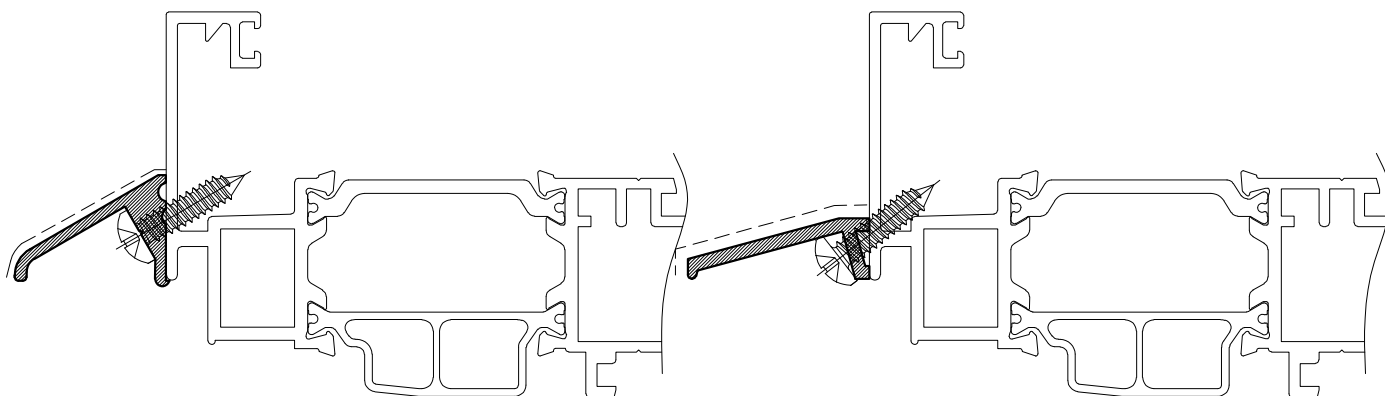
PROFIL PROFILE	FT-0142-39F	FT-0142-35F	FT-0142-33F	FT-0142-27F
ŠIRINA /mm/ WIDTH/mm/	38.7	34.7	32.7	26.7
TEŽINA /kg/m/ WEIGHT/kg/m/	1.437	1.423	1.413	1.372
POLIAMID POLYAMIDE /mm/	34	30	28	22
LAJSNA GLAZING BEAD	Z40-667 (25.5 mm)	Z40-668 (30.5 mm)	Z40-668 (30.5 mm)	Z40-669 (35.5 mm)
BRTVE GASKET	321.004 i 311.004	321.004 i 311.003	321.004 i 311.004	321.004 i 311.005

Profil ispuna Profile insulation		
Art.Br. Art.Nr.	FT-0142-39F	
Težina Weight	kg/m	1.437
Opseg Perimeter	mm	452
Moment inercije Moment of inertia	Ix (cm4)	48
	Iy (cm4)	14.56
	Wx (cm3)	8.16
	Wy (cm3)	7.53
L	mm	6500



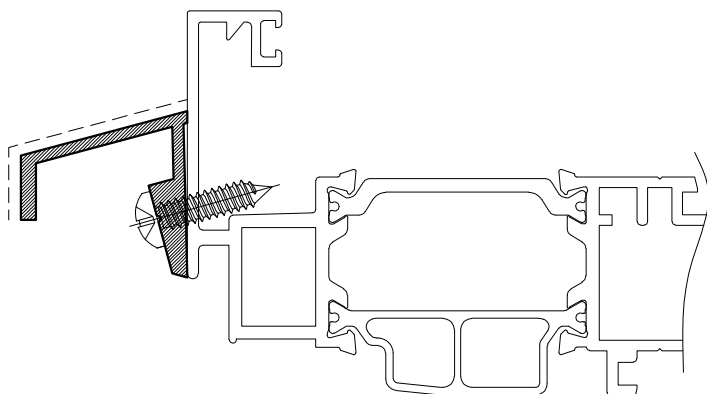
Profil rukohvata vrata Door handle profile		
Art.Br. Art.Nr.	F-0829	
Težina Weight	kg/m	0.953
Opseg Perimeter	mm	119
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

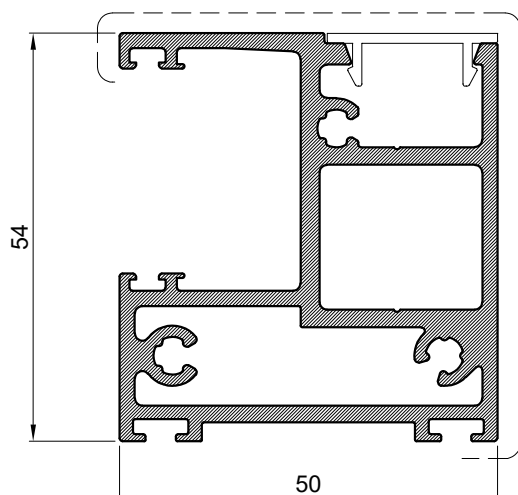


Profil Profile		
Art.Br. Art.Nr.	Z40-657	
Težina Weight	kg/m	0.186
Opseg Perimeter	mm	73
L	mm	6500

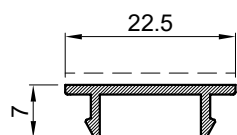
Profil Profile		
Art.Br. Art.Nr.	F-0228	
Težina Weight	kg/m	0.153
Opseg Perimeter	mm	68
L	mm	6500



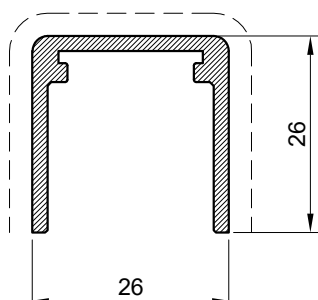
Profil Profile		
Art.Br. Art.Nr.	060350	
Težina Weight	kg/m	0.285
Opseg Perimeter	mm	107
L	mm	6500



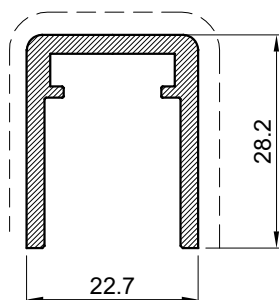
Profil francuskog balkona French balcony profile		
Art.Br. Art.Nr.	F-1569	
Težina Weight	kg/m	1.78
Opseg Perimeter	mm	357
L	mm	6500



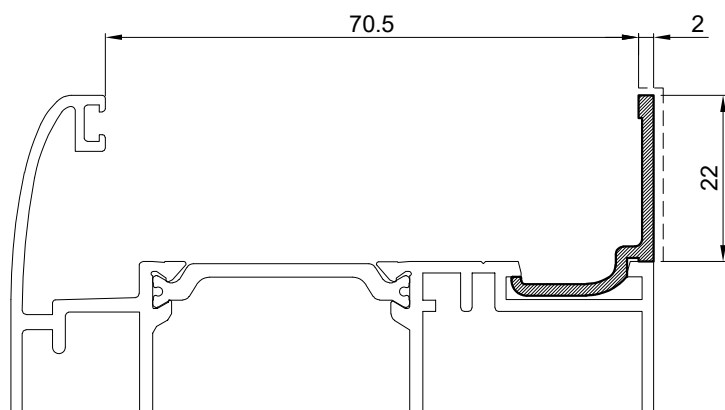
Pokrivni profil Cover profile		
Art.Br. Art.Nr.	F-0826	
Težina Weight	kg/m	0.117
Opseg Perimeter	mm	70
L	mm	6500



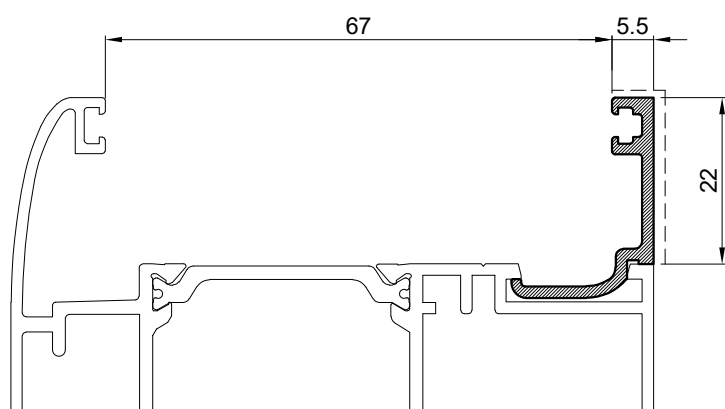
Profil rukovata za 1010.4 Handrail profile for 1010.4		
Art.Br. Art.Nr.	F-1437	
Težina Weight	kg/m	0.444
Opseg Perimeter	mm	154
L	mm	6500



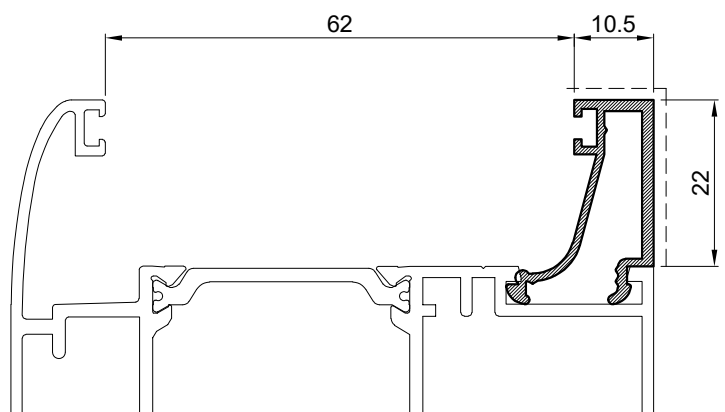
Profil rukovata za 88.4 Handrail profile for 88.4		
Art.Br. Art.Nr.	F-1490	
Težina Weight	kg/m	0.512
Opseg Perimeter	mm	158
L	mm	6500



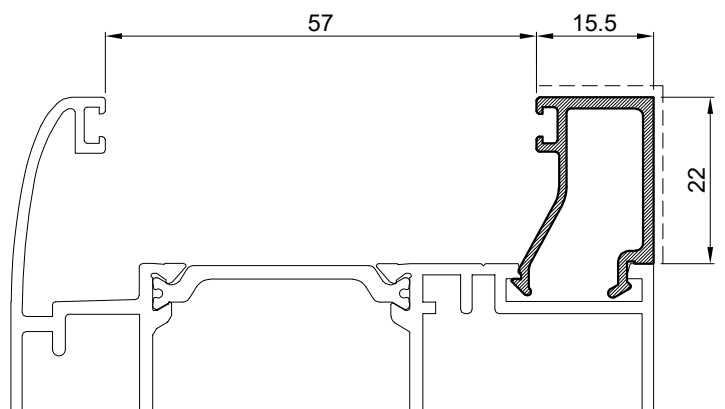
Profil Profile		
Art.Br. Art.Nr.	Z40-660	
Težina Weight	kg/m	0.179
Opseg Perimeter	mm	89
L	mm	6500



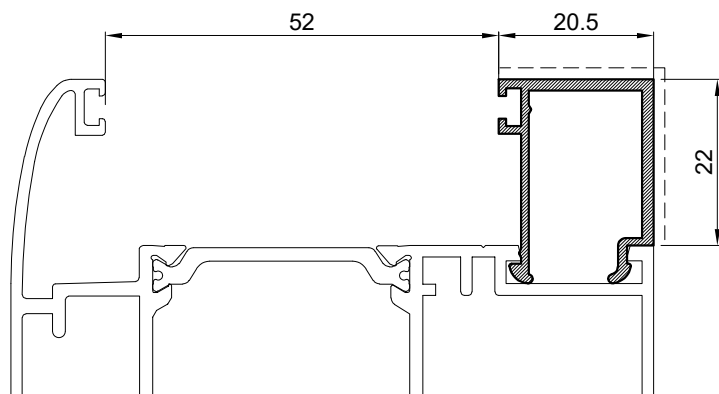
Profil Profile		
Art.Br. Art.Nr.	Z40-656	
Težina Weight	kg/m	0.215
Opseg Perimeter	mm	107
L	mm	6500



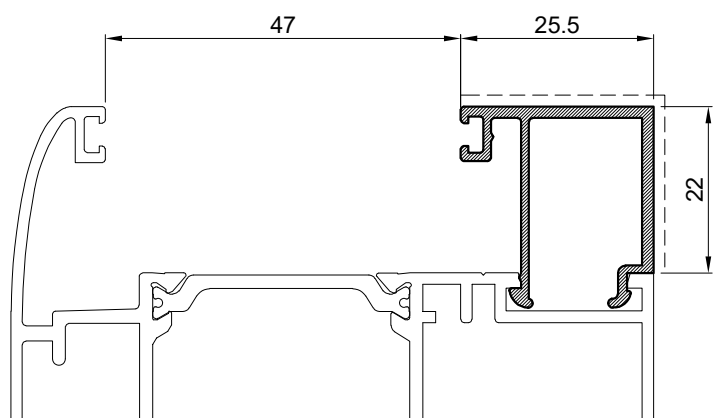
Profil Profile		
Art.Br. Art.Nr.	Z40-636	
Težina Weight	kg/m	0.261
Opseg Perimeter	mm	158
L	mm	6500



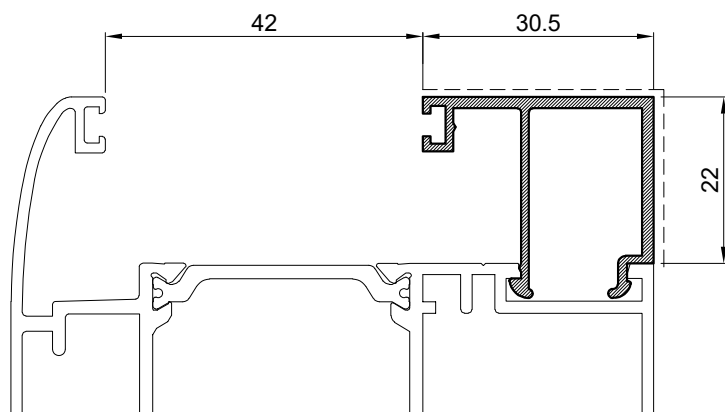
Profil Profile		
Art.Br. Art.Nr.	M45-709	
Težina Weight	kg/m	0.269
Opseg Perimeter	mm	153
L	mm	6500



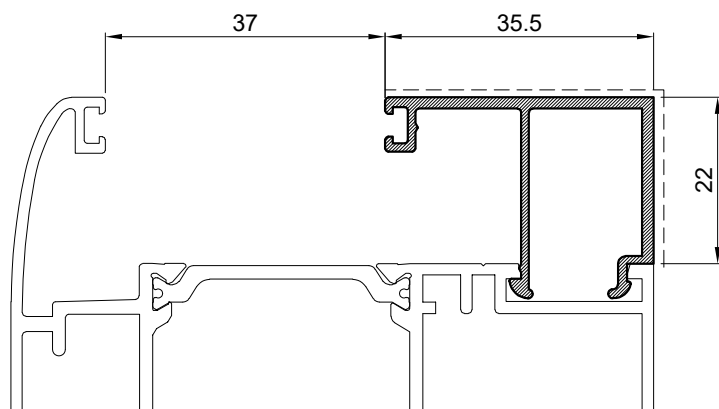
Profil Profile		
Art.Br. Art.Nr.	Z40-644	
Težina Weight	kg/m	0.275
Opseg Perimeter	mm	166
L	mm	6500



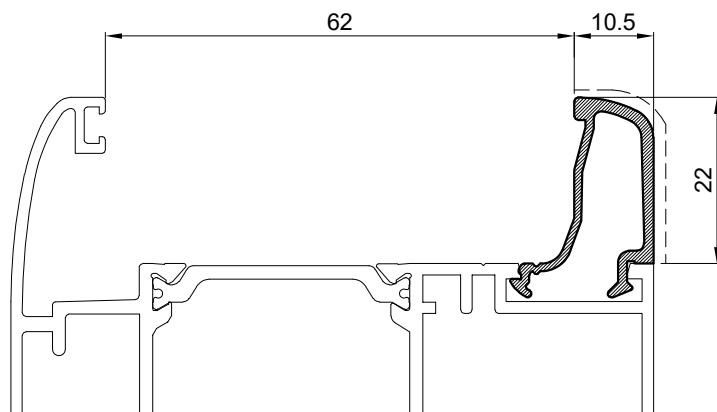
Profil Profile		
Art.Br. Art.Nr.	Z40-658	
Težina Weight	kg/m	0.318
Opseg Perimeter	mm	184
L	mm	6500



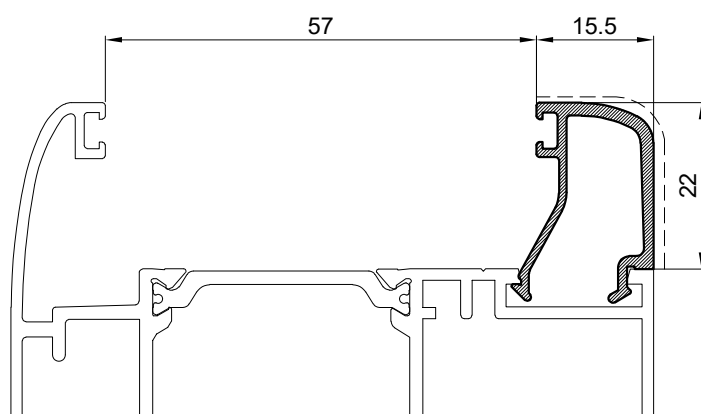
Profil Profile		
Art.Br. Art.Nr.	Z40-653	
Težina Weight	kg/m	0.348
Opseg Perimeter	mm	196
L	mm	6500



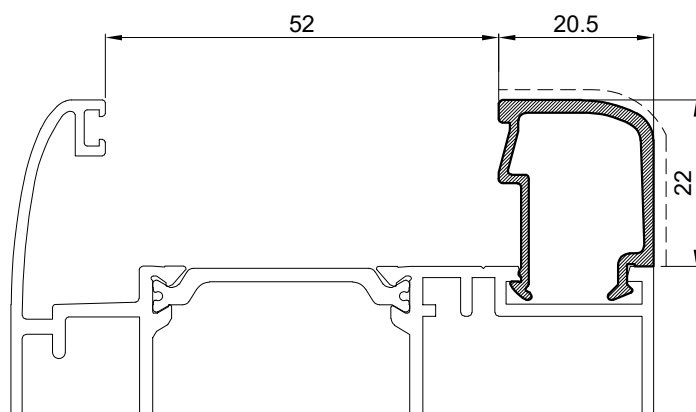
Profil Profile		
Art.Br. Art.Nr.	Z40-659	
Težina Weight	kg/m	0.359
Opseg Perimeter	mm	204
L	mm	6500



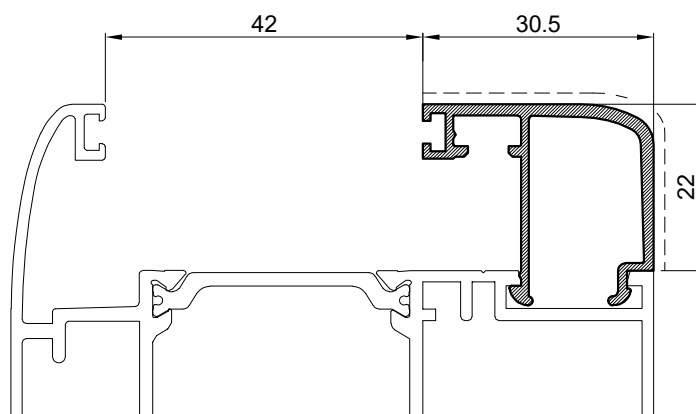
Profil Profile		
Art.Br. Art.Nr.	Z40-647	
Težina Weight	kg/m	0.226
Opseg Perimeter	mm	138
L	mm	6500



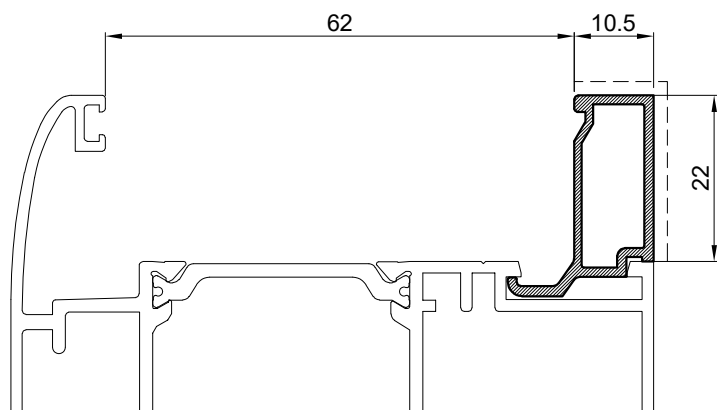
Profil Profile		
Art.Br. Art.Nr.	M45-740	
Težina Weight	kg/m	0.258
Opseg Perimeter	mm	148
L	mm	6500



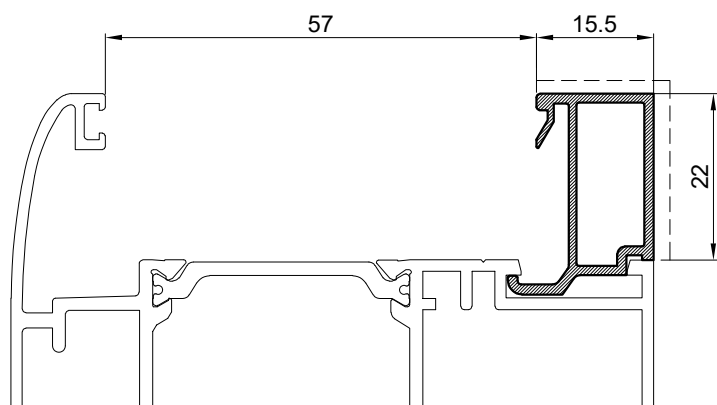
Profil Profile		
Art.Br. Art.Nr.	Z40-646	
Težina Weight	kg/m	0.286
Opseg Perimeter	mm	154
L	mm	6500



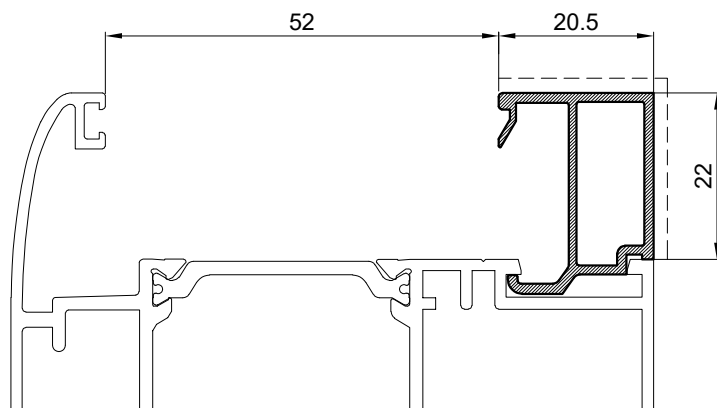
Profil Profile		
Art.Br. Art.Nr.	Z40-653/B	
Težina Weight	kg/m	0.356
Opseg Perimeter	mm	197
L	mm	6500



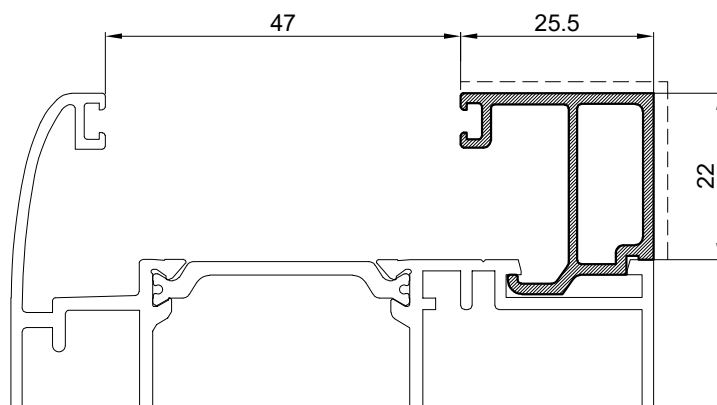
Profil Profile		
Art.Br. Art.Nr.	Z40-664	
Težina Weight	kg/m	0.243
Opseg Perimeter	mm	93
L	mm	6500



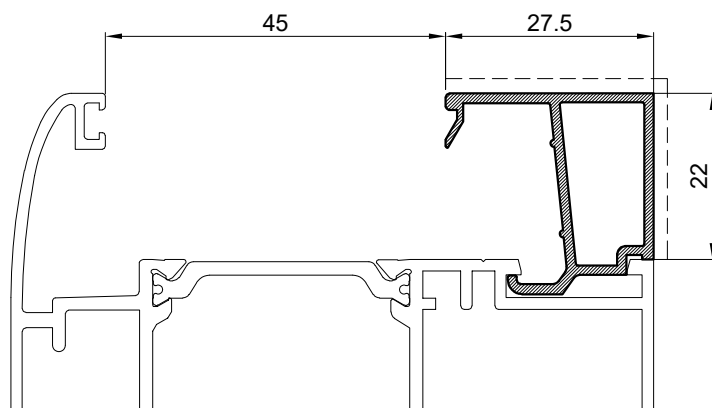
Profil Profile		
Art.Br. Art.Nr.	Z40-665	
Težina Weight	kg/m	0.272
Opseg Perimeter	mm	112
L	mm	6500



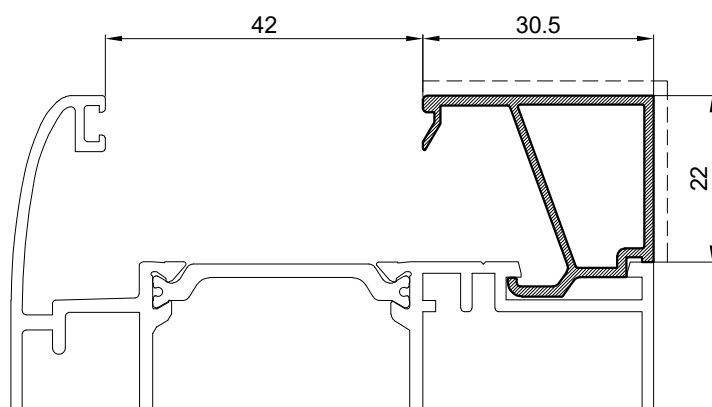
Profil Profile		
Art.Br. Art.Nr.	Z40-666	
Težina Weight	kg/m	0.289
Opseg Perimeter	mm	122
L	mm	6500



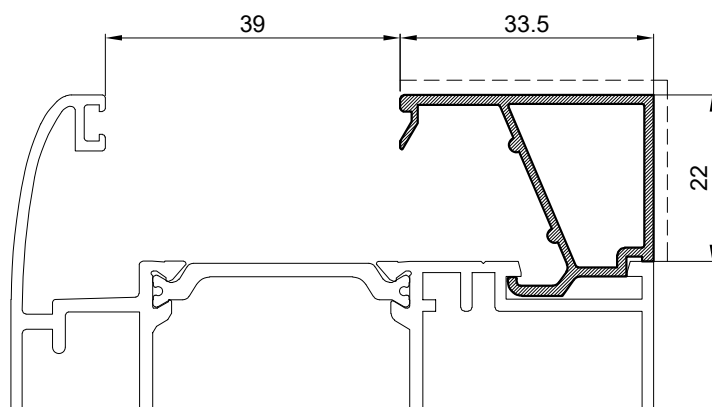
Profil Profile		
Art.Br. Art.Nr.	Z40-667	
Težina Weight	kg/m	0.358
Opseg Perimeter	mm	139
L	mm	6500



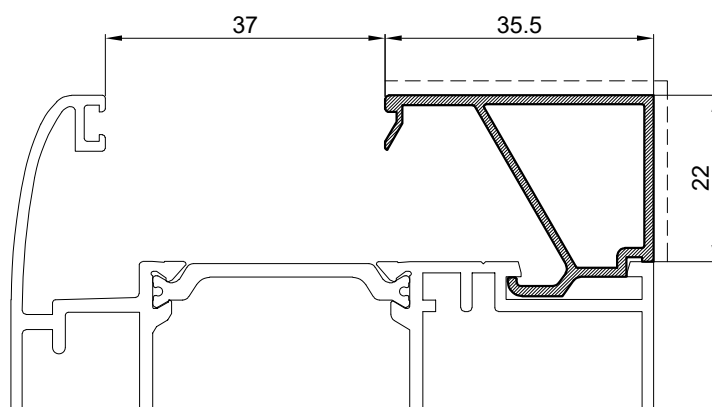
Profil Profile		
Art.Br. Art.Nr.	F-1575	
Težina Weight	kg/m	0.327
Opseg Perimeter	mm	133.4
L	mm	6500



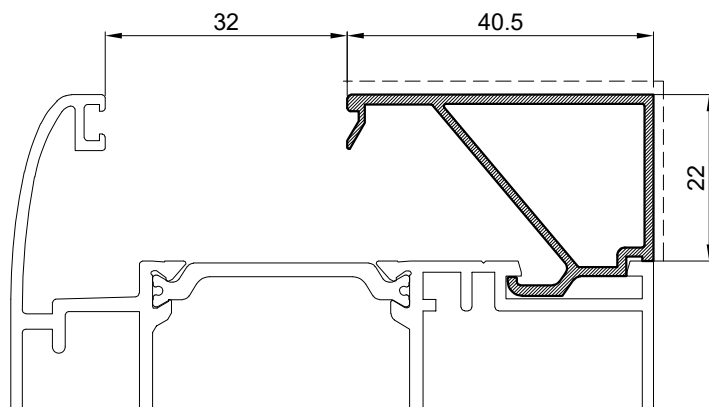
Profil Profile		
Art.Br. Art.Nr.	Z40-668	
Težina Weight	kg/m	0.326
Opseg Perimeter	mm	135
L	mm	6500



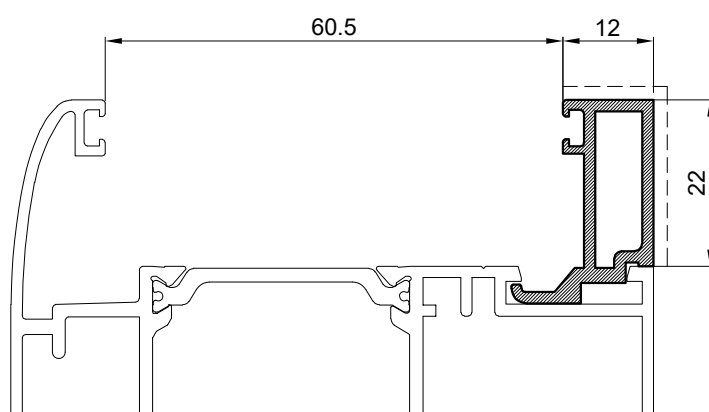
Profil Profile		
Art.Br. Art.Nr.	F-1590	
Težina Weight	kg/m	0.346
Opseg Perimeter	mm	142.75
L	mm	6500



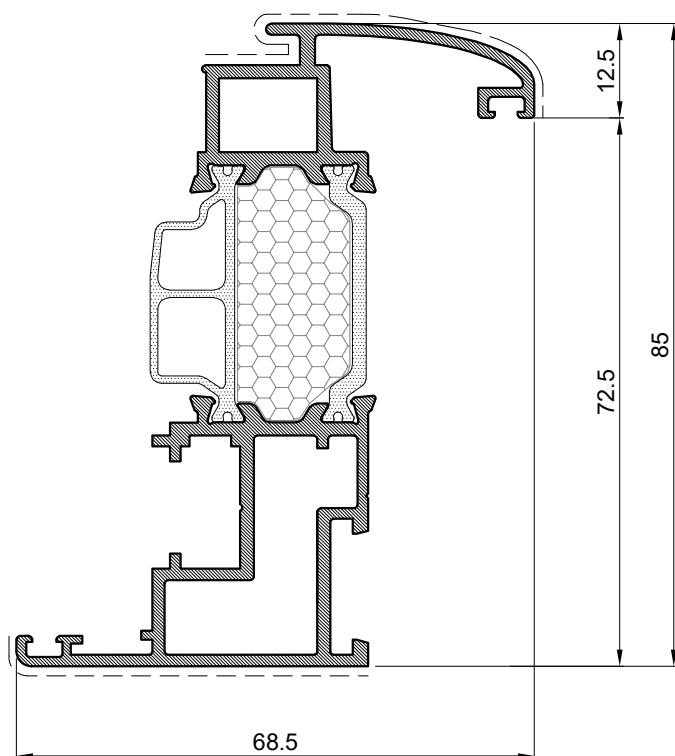
Profil Profile		
Art.Br. Art.Nr.	Z40-669	
Težina Weight	kg/m	0.347
Opseg Perimeter	mm	143
L	mm	6500



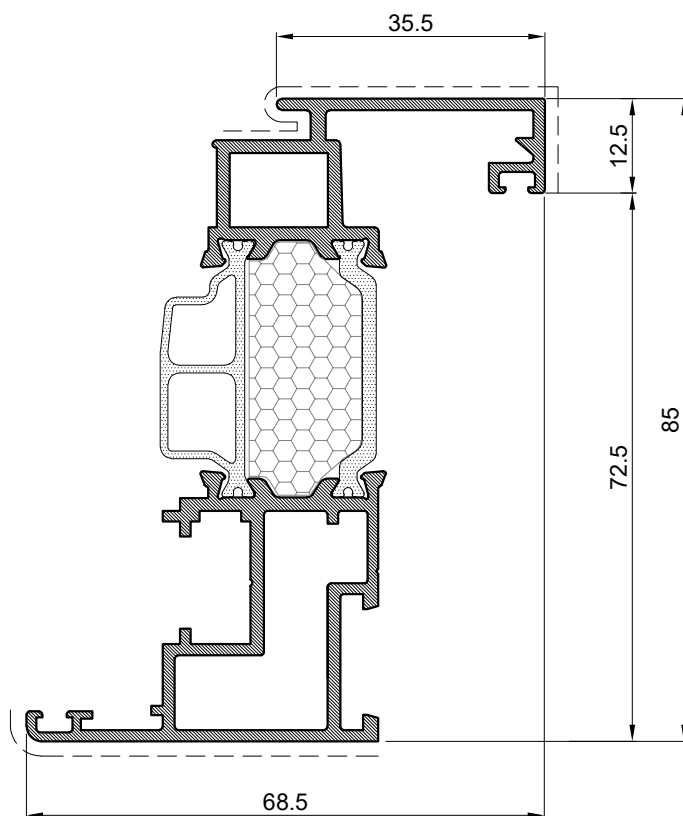
Profil Profile		
Art.Br. Art.Nr.	Z40-670	
Težina Weight	kg/m	0.373
Opseg Perimeter	mm	150
L	mm	6500



Profil Profile		
Art.Br. Art.Nr.	F-0784	
Težina Weight	kg/m	0.330
Opseg Perimeter	mm	105
L	mm	6500

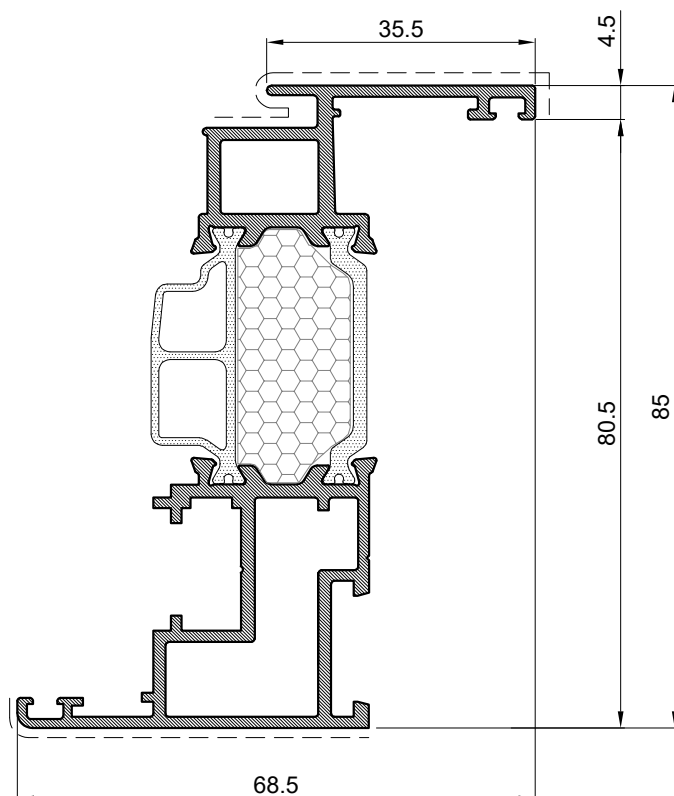


Profil krila prozora Profile window sash		
Art.Br. Art.Nr.	FT-0236HF	
Težina Weight	kg/m	1.597
Opseg Perimeter	mm	448
Moment inercije Moment of inertia	I _x (cm ⁴)	34.93
	I _y (cm ⁴)	9.06
	W _x (cm ³)	10.69
	W _y (cm ³)	2.59
L	mm	6500

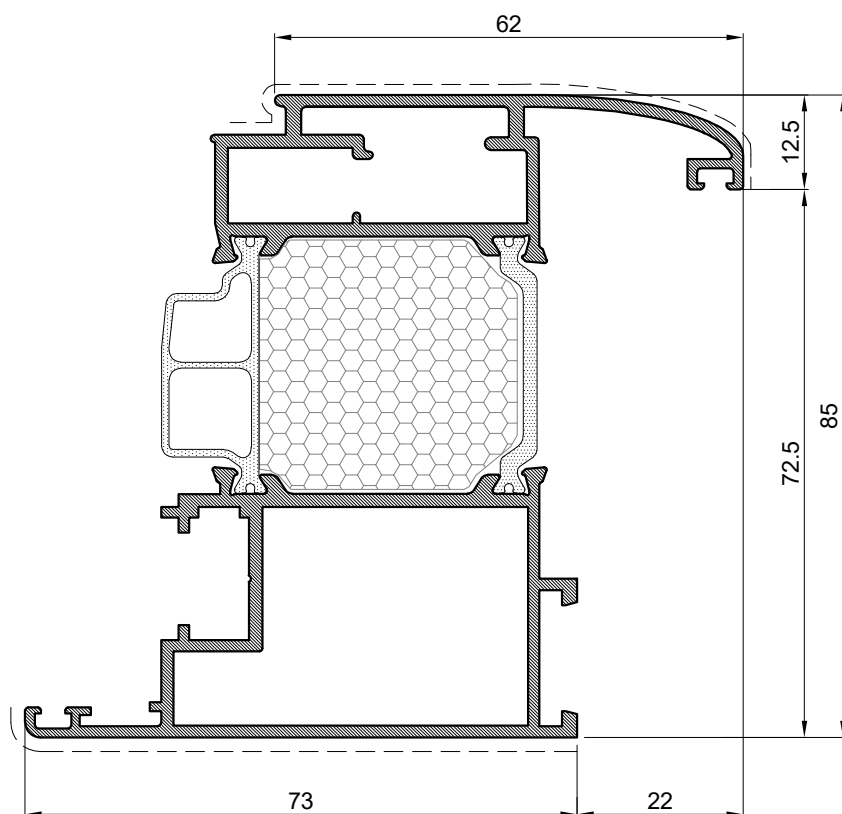


Profil krila prozora Profile window sash		
Art.Br. Art.Nr.	FT-0239HF	
Težina Weight	kg/m	1.623
Opseg Perimeter	mm	461
Moment inercije Moment of inertia	I _x (cm ⁴)	36.48
	I _y (cm ⁴)	10.24
	W _x (cm ³)	11.41
	W _y (cm ³)	2.87
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
 PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

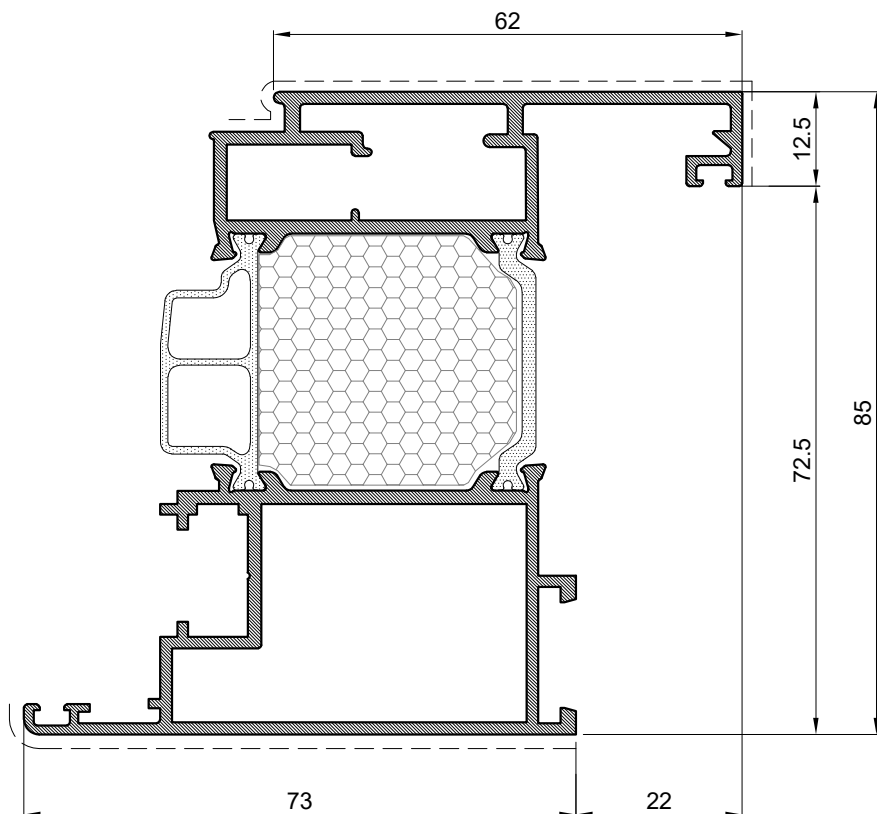


Profil krila prozora Profile window sash		
Art.Br. Art.Nr.	FT-0296HF	
Težina Weight	kg/m	1.576
Opseg Perimeter	mm	441
Moment inerције Moment of inertia	I _x (cm ⁴)	35.05
	I _y (cm ⁴)	8.26
	W _x (cm ³)	10.65
	W _y (cm ³)	2.39
L	mm	6500

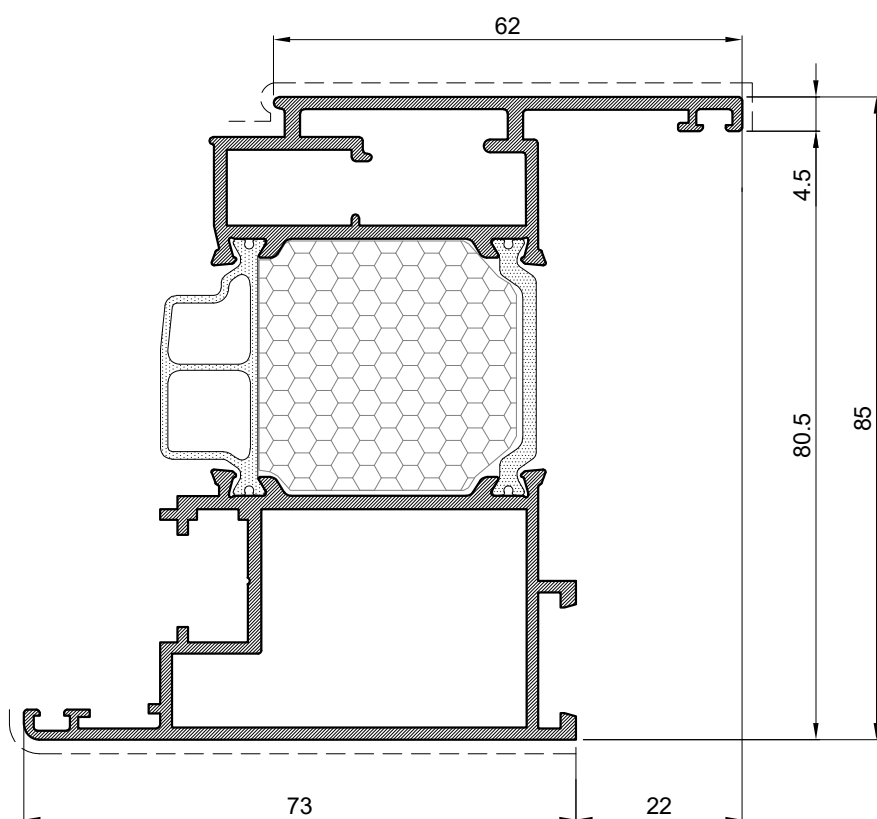


Profil krila prozora Profile window sash		
Art.Br. Art.Nr.	FT-0244HF	
Težina Weight	kg/m	2.096
Opseg Perimeter	mm	495
Moment inercije Moment of inertia	I _x (cm ⁴)	50.84
	I _y (cm ⁴)	31.4
	W _x (cm ³)	15.89
	W _y (cm ³)	6.56
L	mm	6500

PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

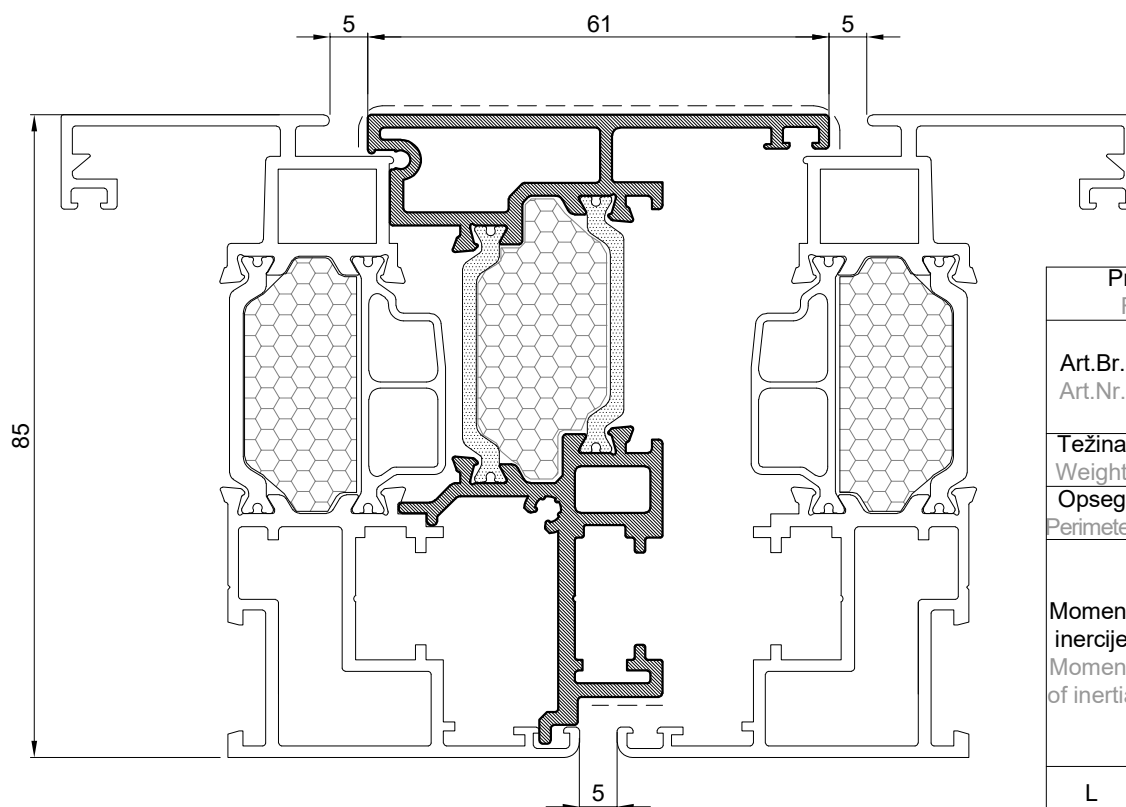


Profil krila prozora Profile window sash		
Art.Br. Art.Nr.	FT-0246HF	
Težina Weight	kg/m	2.126
Opseg Perimeter	mm	508
Moment inerције Moment of inertia	Ix (cm ⁴)	52.29
	Iy (cm ⁴)	33.81
	Wx (cm ³)	16.1
	Wy (cm ³)	7.06
L	mm	6500



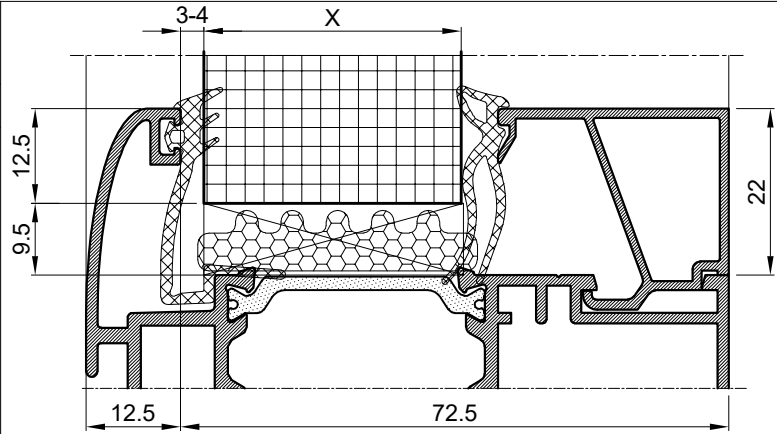
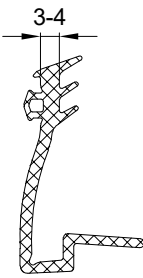
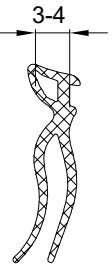
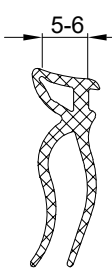
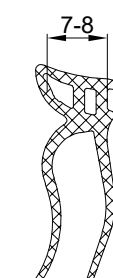
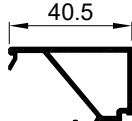
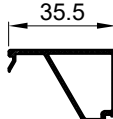
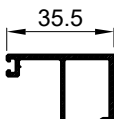
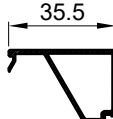
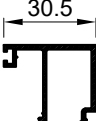
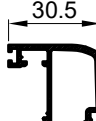
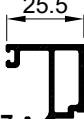
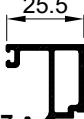
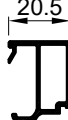
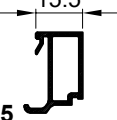
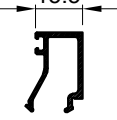
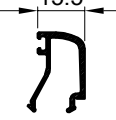
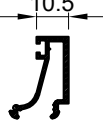
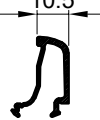
Profil krila prozora Profile window sash		
Art.Br. Art.Nr.	FT-1610HF	
Težina Weight	kg/m	2.019
Opseg Perimeter	mm	470
Moment inerције Moment of inertia	Ix (cm ⁴)	51.06
	Iy (cm ⁴)	29.46
	Wx (cm ³)	16.1
	Wy (cm ³)	6.08
L	mm	6500

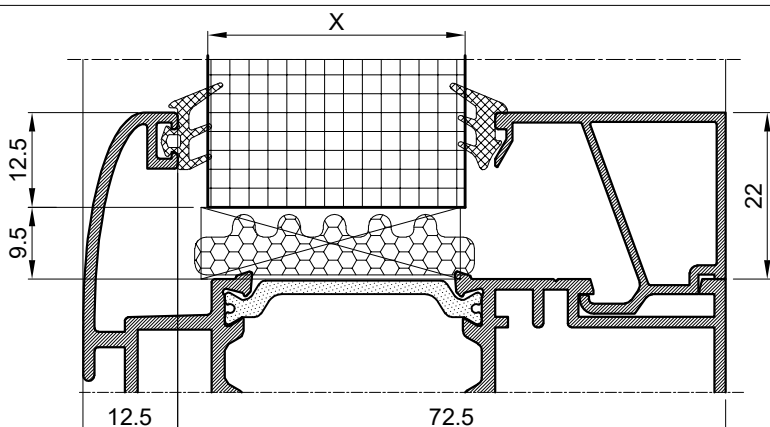
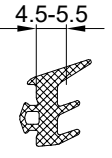
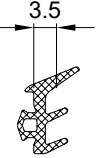
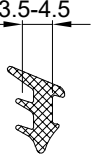
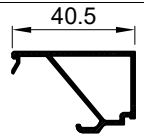
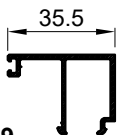
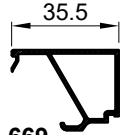
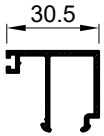
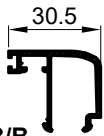
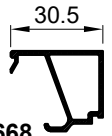
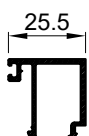
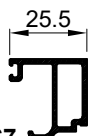
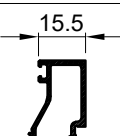
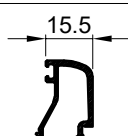
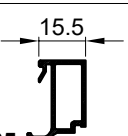
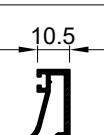
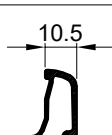
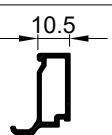
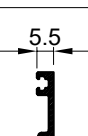
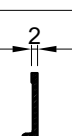
PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVAK „F”
PROFILE WITHOUT XPS DO NOT HAVE ENDING „F”

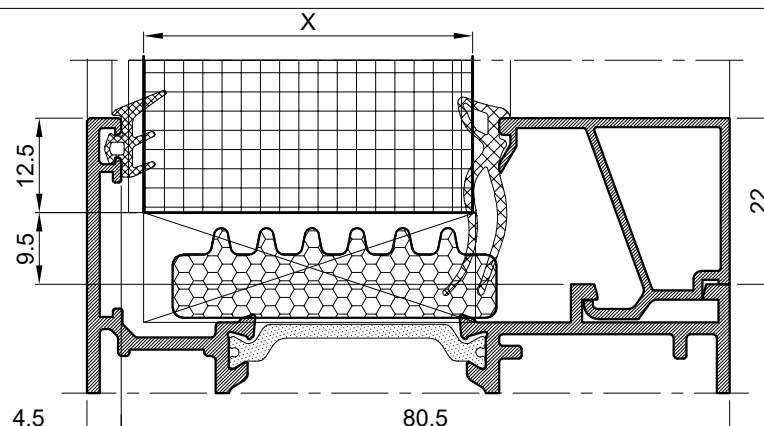
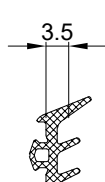
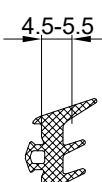
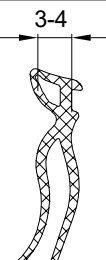
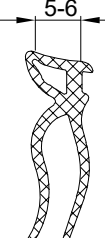
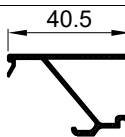
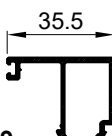
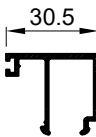
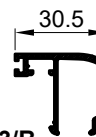
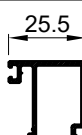
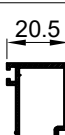
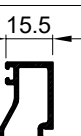
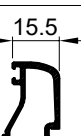
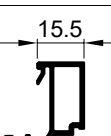
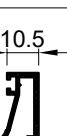
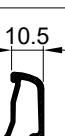


Profil kombatute Flying mullion		
Art.Br. Art.Nr.	FT-0245HF	
Težina Weight	kg/m	1.563
Opseg Perimeter	mm	415
Moment inercije Moment of inertia	Ix (cm4)	28.09
	Iy (cm4)	8.51
	Wx (cm3)	7.55
	Wy (cm3)	2.45
L	mm	6500

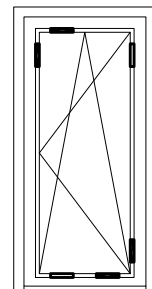
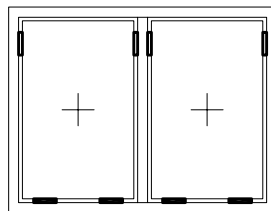
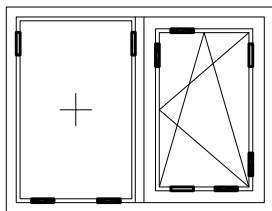
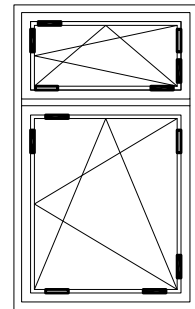
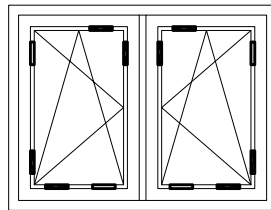
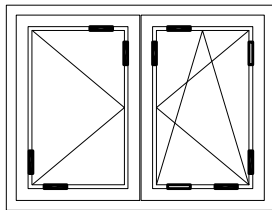
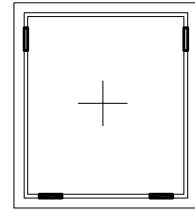
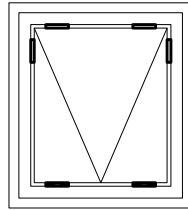
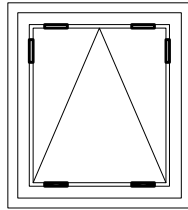
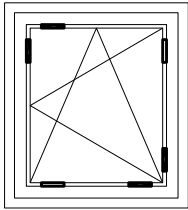
Prikaz stakljenja Glazing

Vanjska brtva Outside gasket		Unutarnje brtve Inside gaskets		
321.004	311.003	311.004	311.005	
				
Ispuna X Fillings X	Vanjska brtva Outside gas.	Unutar. brtva Inside gasket	LAJSNE ZA STAKLO BEAD FOR GLASS	
21	321.004	311.005		
22-23	321.004	311.004		
24-25	321.004	311.003		
26	321.004	311.005		
27-28	321.004	311.004		
29-30	321.004	311.003		
31	321.004	311.005		
32-33	321.004	311.004		
34-35	321.004	311.003		
36	321.004	311.005		
37-38	321.004	311.004		
39-40	321.004	311.003		
41	321.004	311.005		
42-43	321.004	311.004		
44-45	321.004	311.003		
46	321.004	311.005		
47-48	321.004	311.004		
49-50	321.004	311.003		
51	321.004	311.005		
52-53	321.004	311.004		
54-55	321.004	311.003		
56	321.004	311.005		
57-58	321.004	311.004		
59-60	321.004	311.003		
61-62	321.004	311.004		
63	321.004	311.003		

Vanjske brtve Outside gaskets Unutarnja brtva Inside gasket					
321.003 (Z113)	321.002 (Z111)	311.002 (918)			
					
Ispuna X	Vanjska brtva	Unutarnja brtva	LAJSNE ZA STAKLO BEAD FOR GLASS		
22-23	321.003	311.002			 Z40-670
24	321.002	311.002			
27-28	321.003	311.002	 Z40-659		 Z40-669
29	321.002	311.002			
32-33	321.003	311.002	 Z40-653	 Z40-653/B	 Z40-668
34	321.002	311.002			
37-38	321.003	311.002	 Z40-658		 Z40-667
39	321.002	311.002			
42-43	321.003	311.002	 Z40-644	 Z40-646	 Z40-666
44	321.002	311.002			
47-48	321.003	311.002	 M45-709	 M45-740	 Z40-665
49	321.002	311.002			
52-53	321.003	311.002	 Z40-636	 Z40-647	 Z40-664
54	321.002	311.002			
57-58	321.003	311.002	 Z40-656		
59	321.002	311.002			
61-62	321.003	311.002	 Z40-660		
63	321.002	311.002			

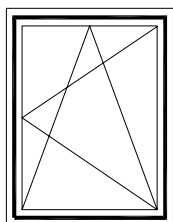
Vanjske brtve Outside gaskets		Unutarnje brtve Inside gaskets				
321.002 (Z111)	321.003 (Z113)	311.003	311.004			
						
Ispuna X Fillings X	Vanjska brtva Outside gas.	Unutar. brtva Inside gasket	LAJSNE ZA STAKLO BEAD FOR GLASS			
29-30	321.003	311.004				
31-32	321.002	311.004				
33	321.002	311.003				
34-35	321.003	311.004				
36-37	321.002	311.004				
38	321.002	311.003				
39-40	321.003	311.004				
41-42	321.002	311.004				
43	321.002	311.003				
44-45	321.003	311.004				
46-47	321.002	311.004				
48	321.002	311.003				
49-50	321.003	311.004				
51-52	321.002	311.004				
53	321.002	311.003				
54-55	321.003	311.004				
56-57	321.002	311.004				
58	321.002	311.003				
59-60	321.003	311.004				
61-62	321.002	311.004				
63	321.002	311.003				
34-35	321.003	311.004				
66-67	321.002	311.004				
68	321.002	311.003				
69-70	321.002	311.004				
71	321.002	311.003				
						
						
						
						
						
						

PREPORUKE ZA RASPORED PODMETAČA KOD UGRADNJE ELEMENATA ZA ISPUNU RECOMMENDATION FOR PACKERS PLACEMENT BY INSTALLATION OF FILLINGS



-  nosivi podmetač
support packer
-  odstojni podmetač
distance packer

Materijal podmetača: PVC
Material packers: PVC

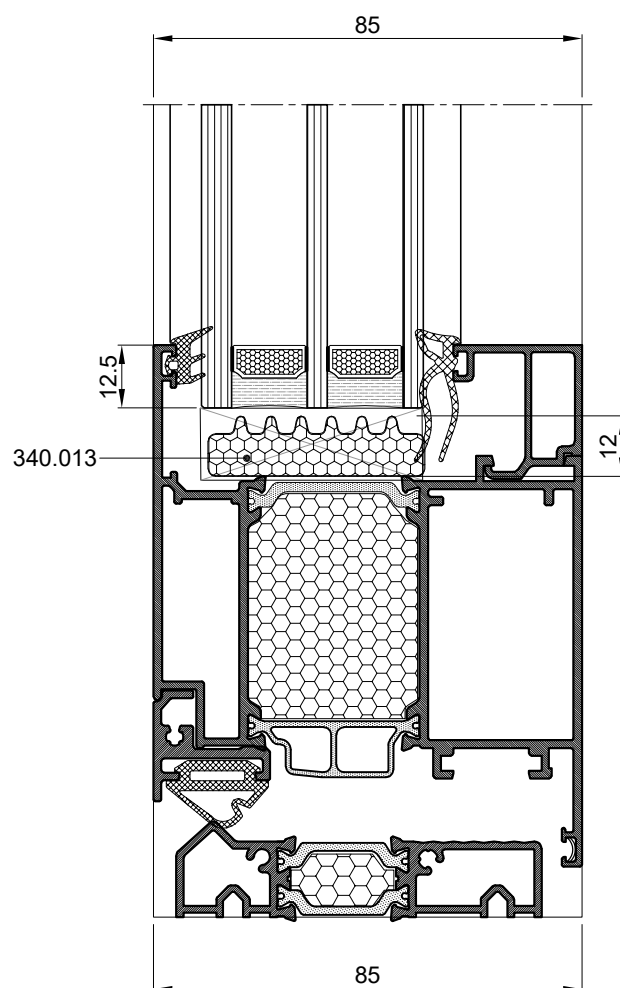
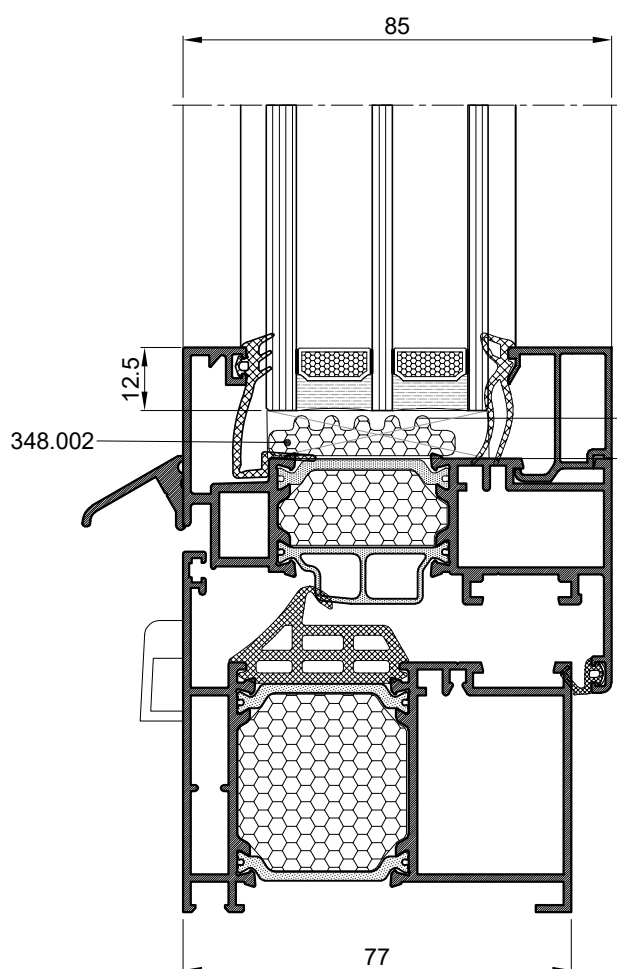


ISPUNA OKO STAKLA

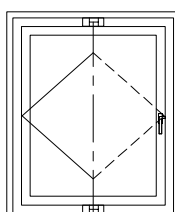
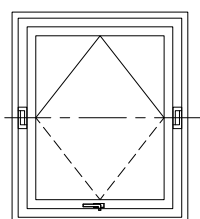
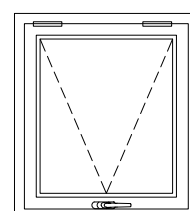
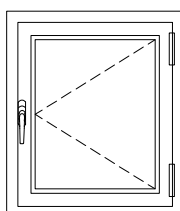
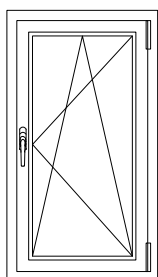
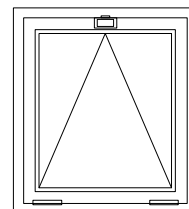
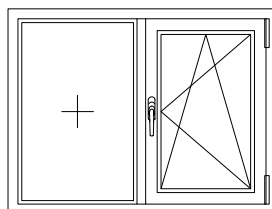
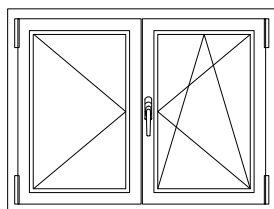
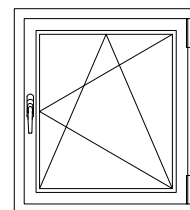
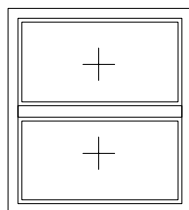
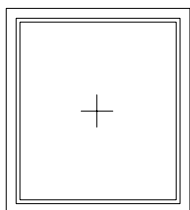
-Radi povećanja toplinskih svojstava, u prostor oko stakla se umeću profilirane trake, debljine 8 mm i 12 mm, od termoizolacionog materijala XPE - $\lambda=0.038 \text{ W/m}^2\text{K}$

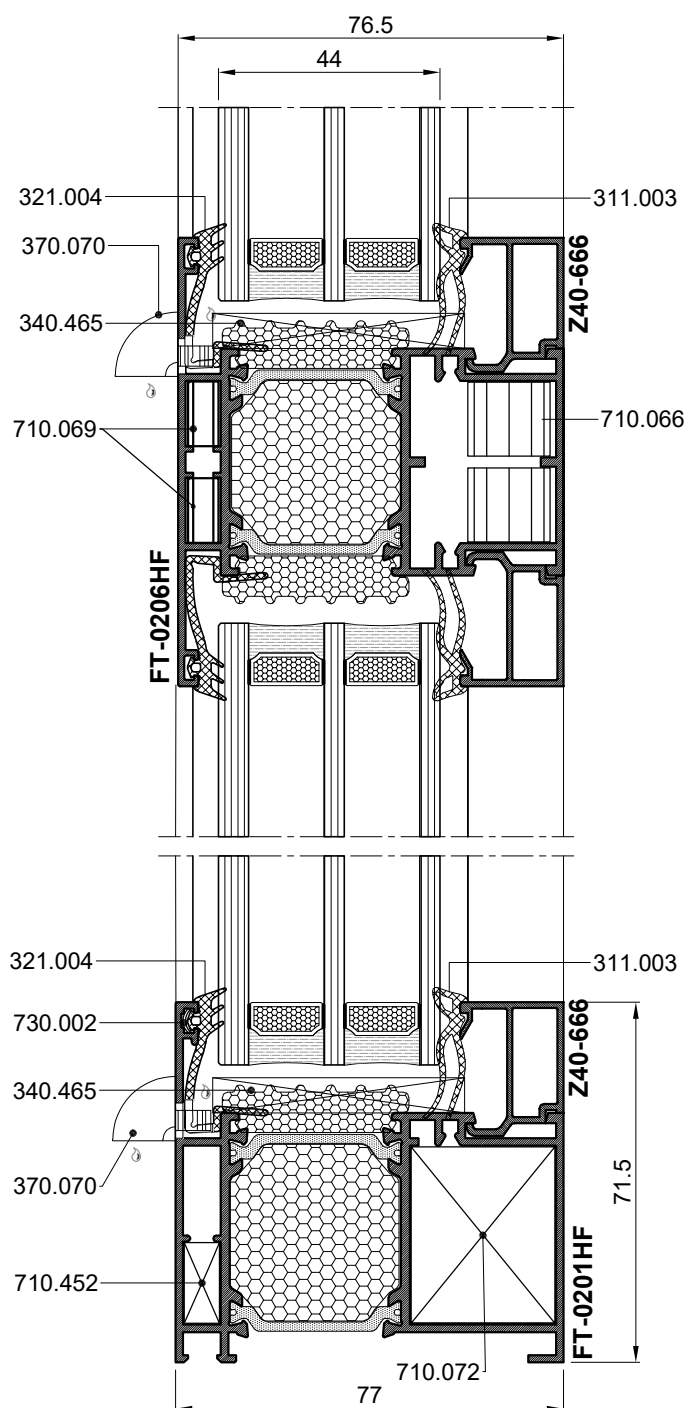
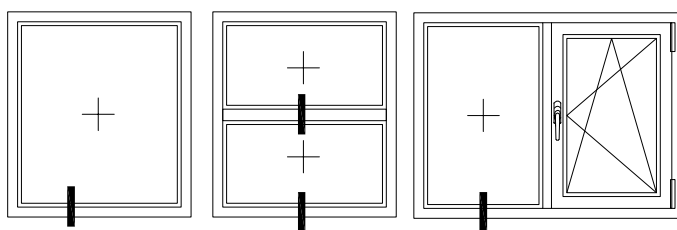
FILLS AROUND GLASS

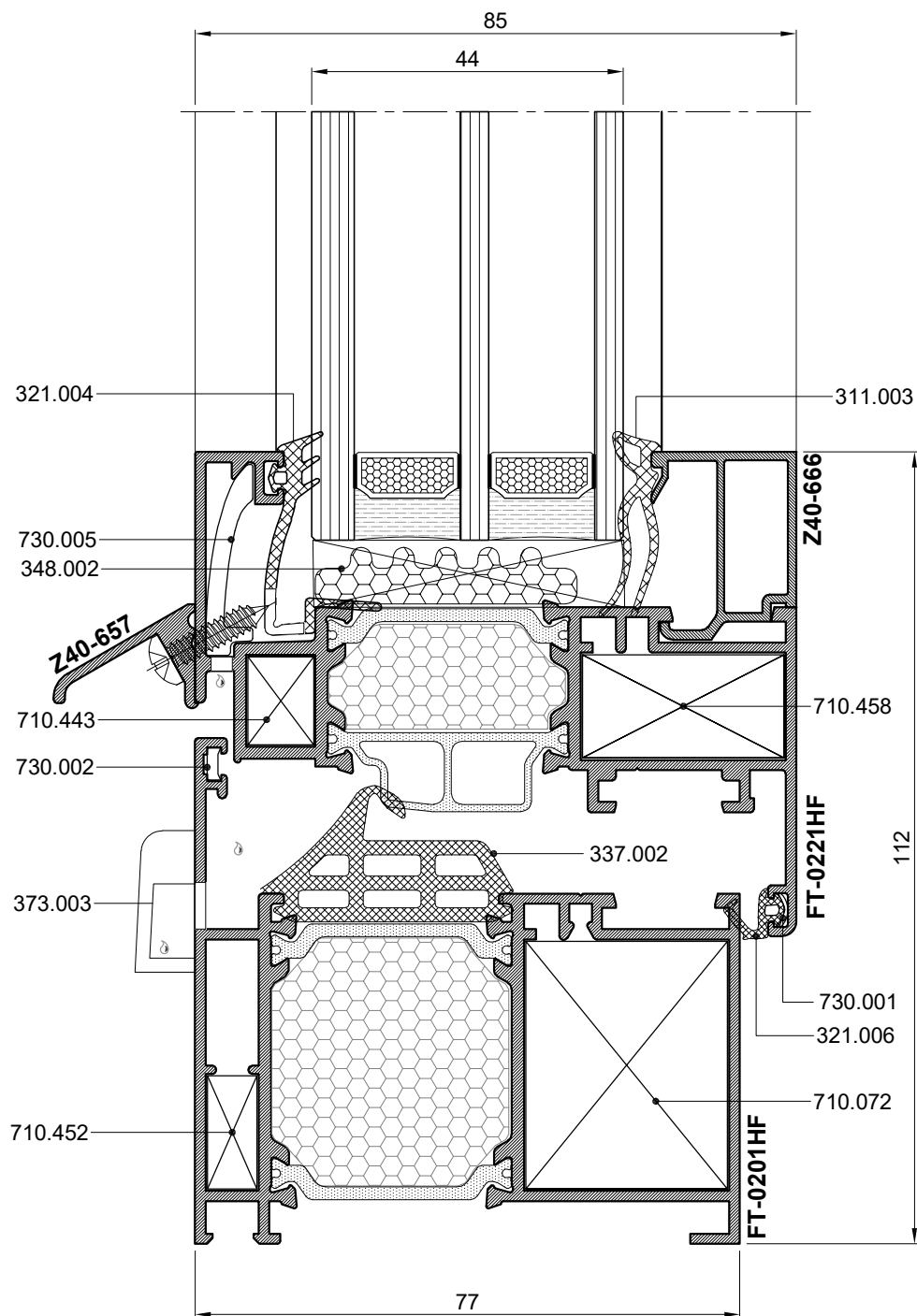
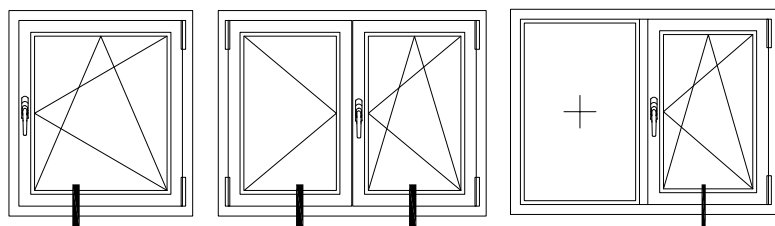
-To increase thermal properties, profiled strips are inserted into the area around the glass, thickness 8 mm and 12 mm, made of thermal insulation material XPE - $\lambda = 0.038 \text{ W / m}^2\text{K}$

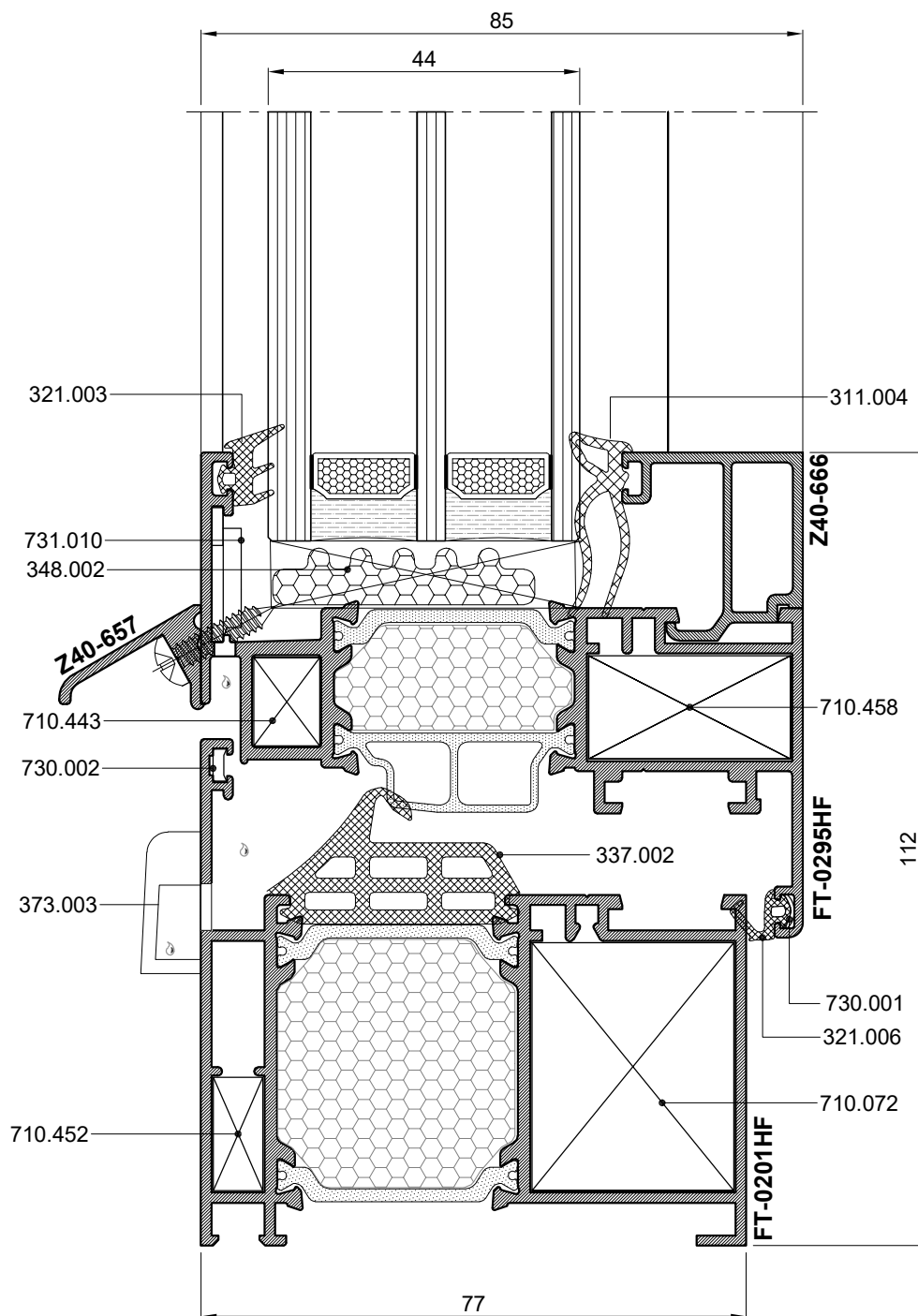
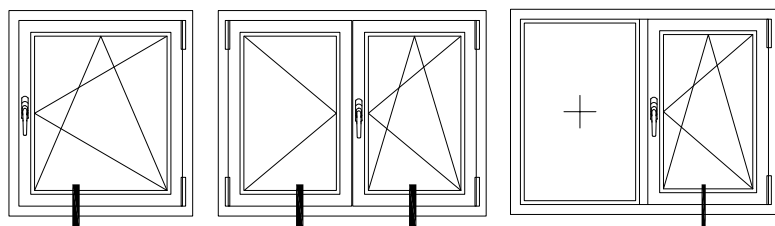


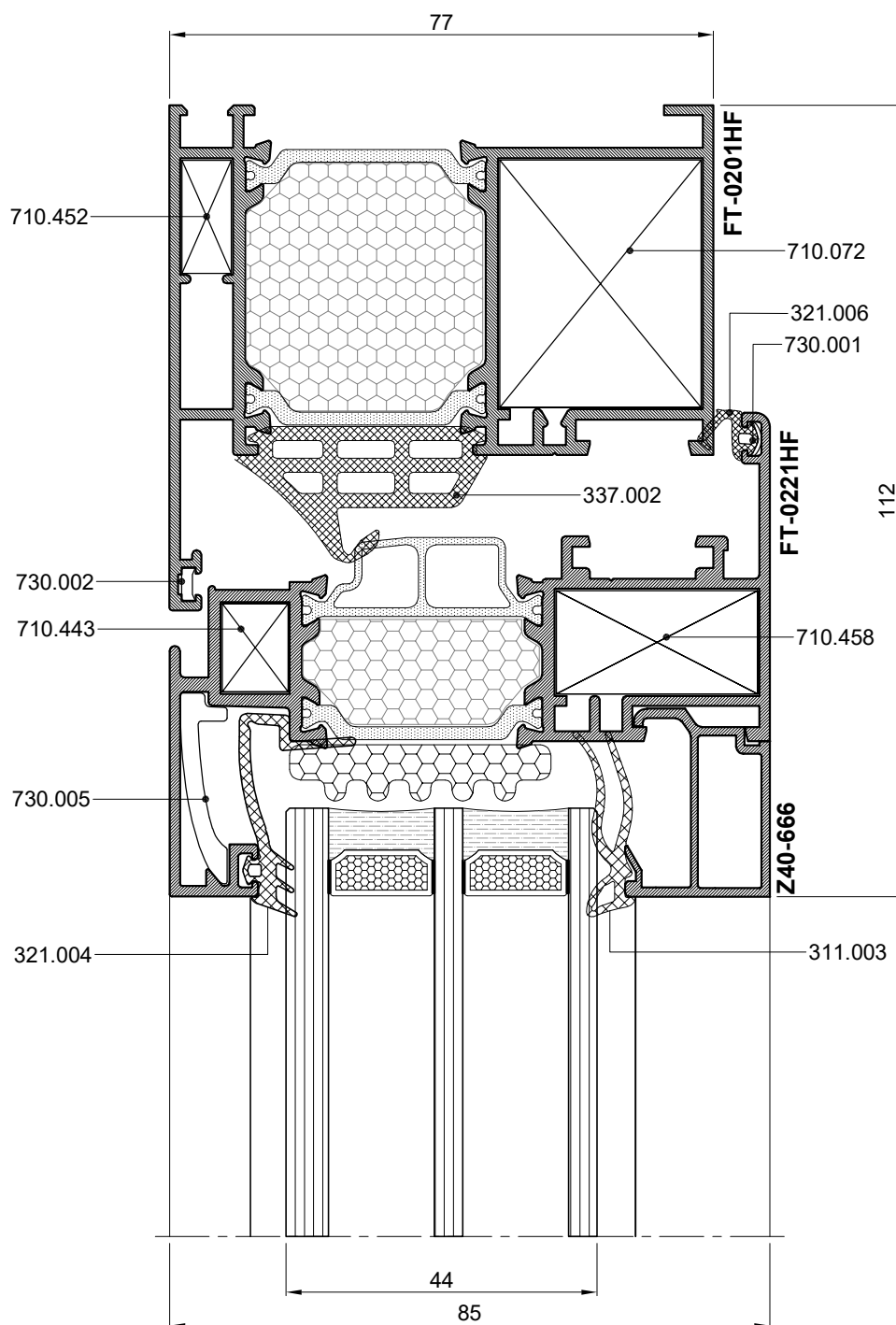
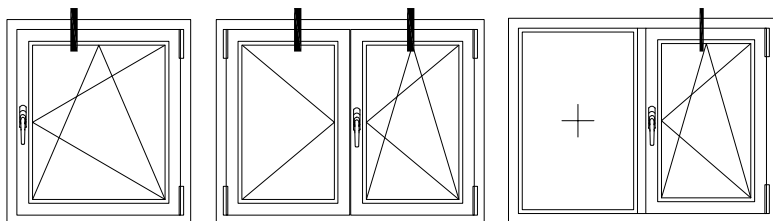
Presjeci Cross section

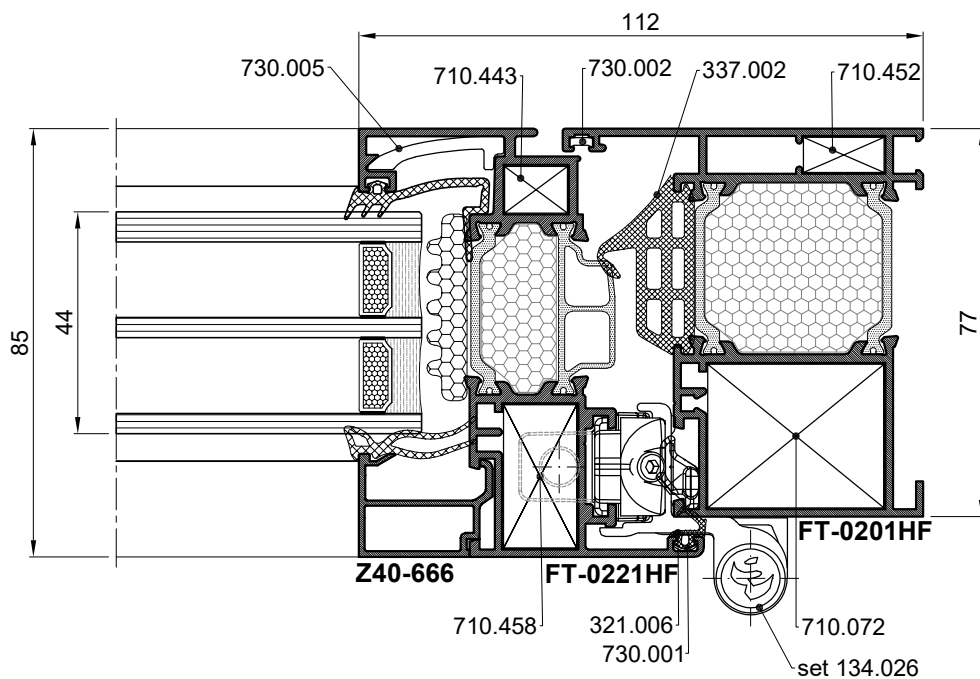
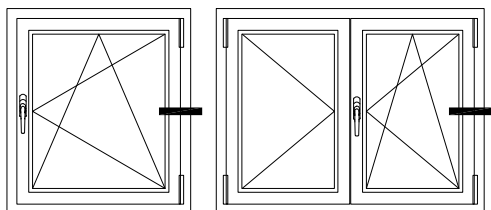




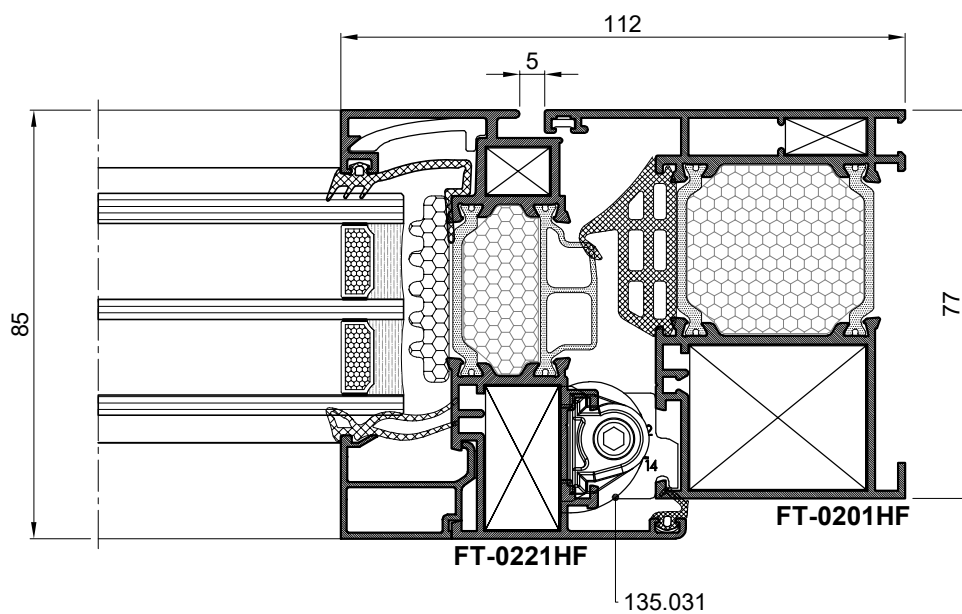


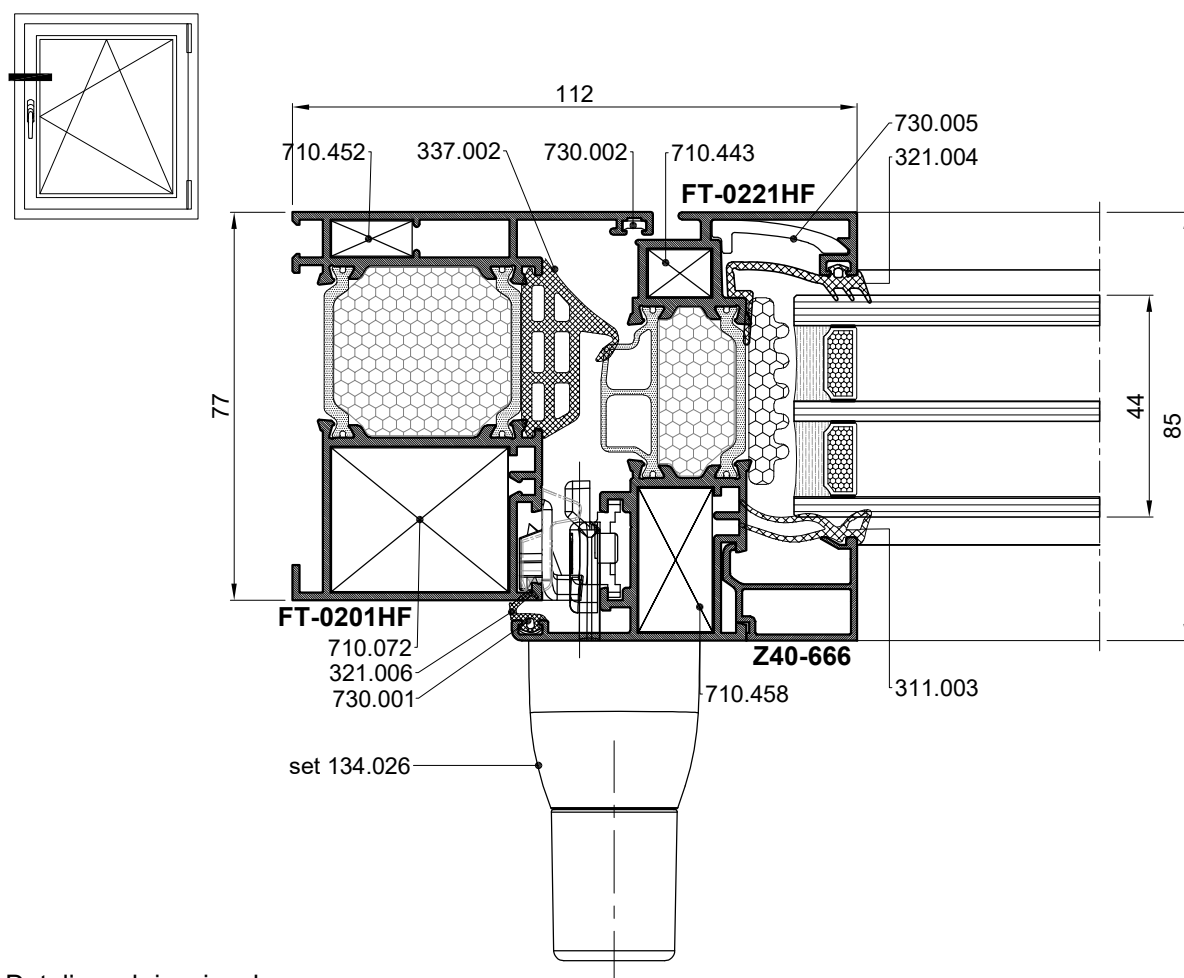




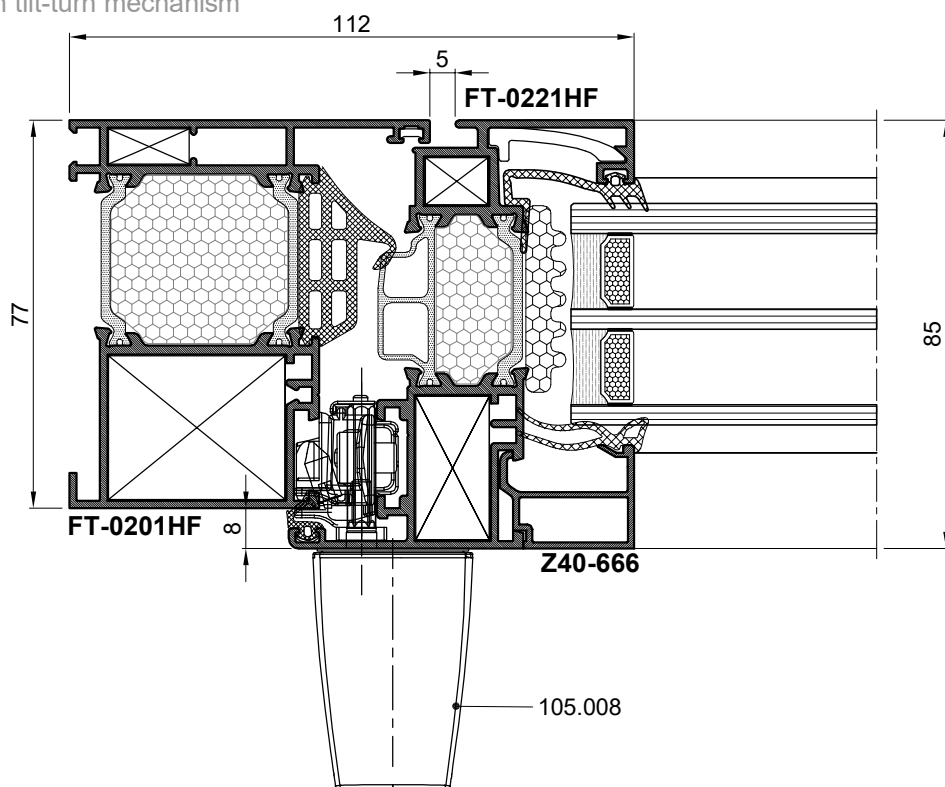


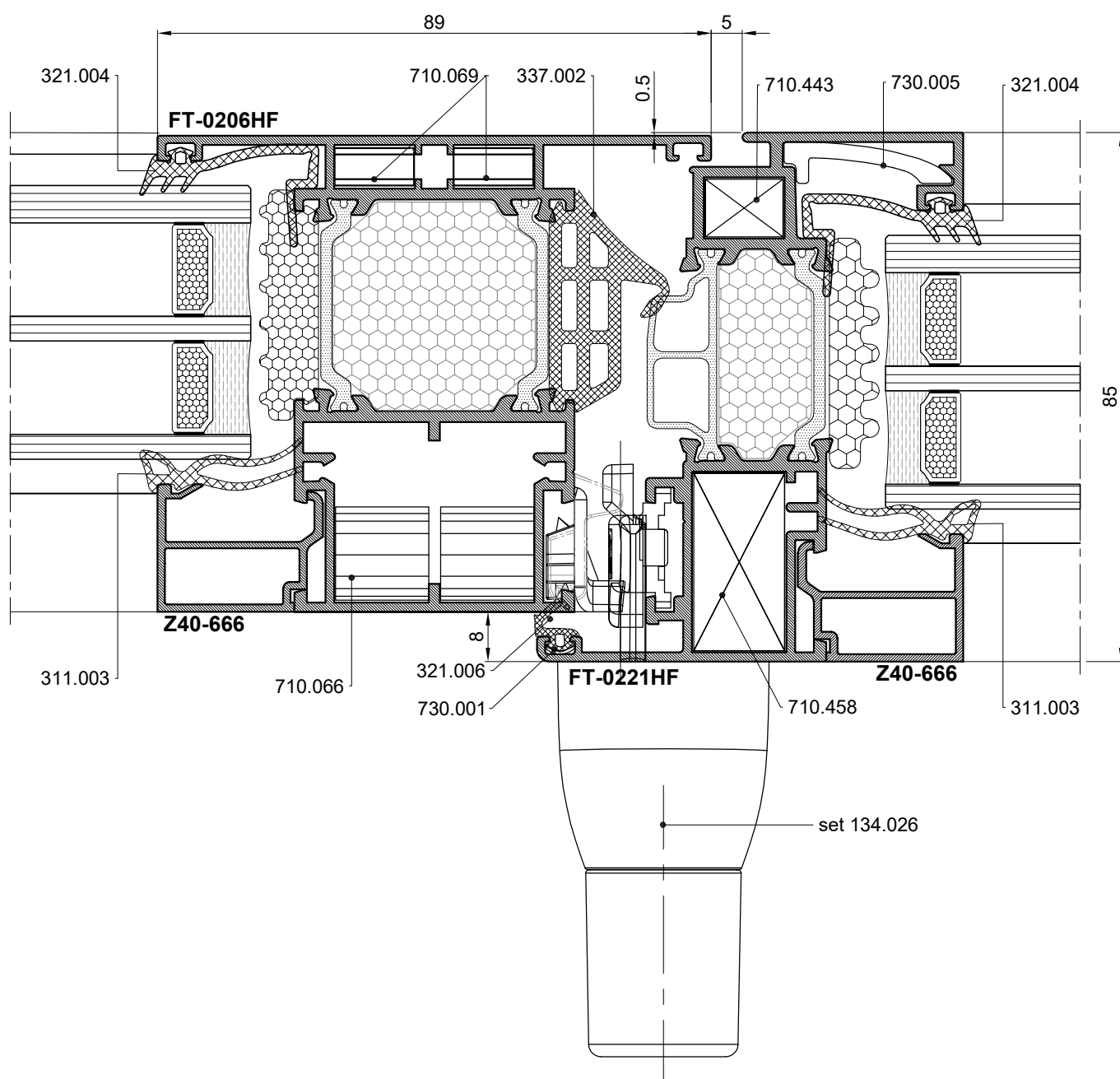
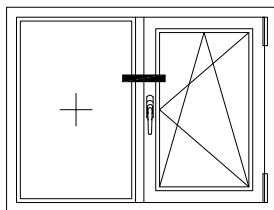
Detalj sa skrivenim okovom
Details with hidden tilt-turn mechanism

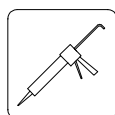
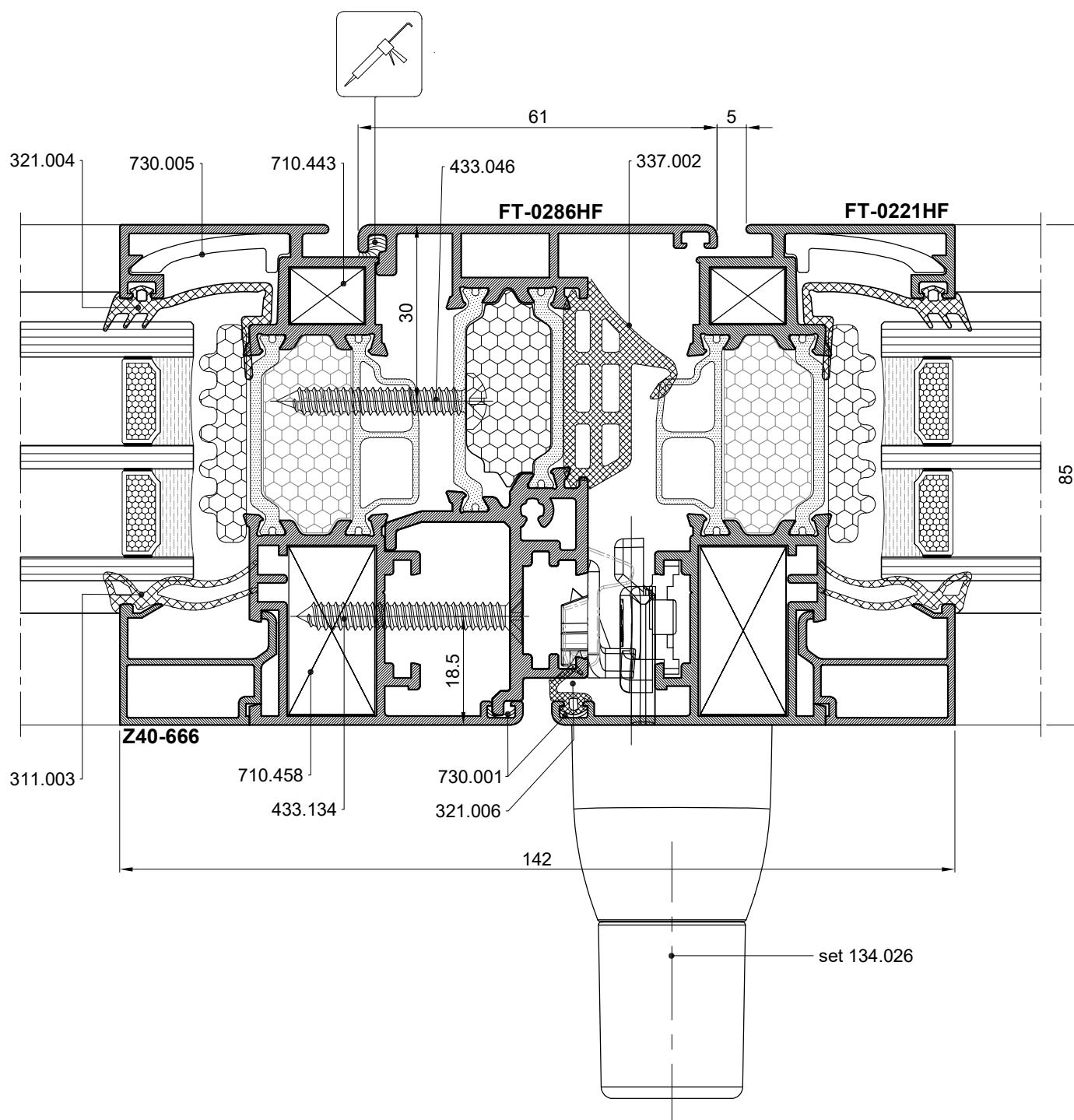
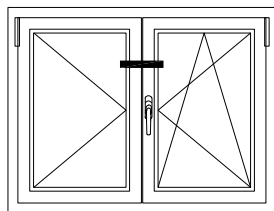




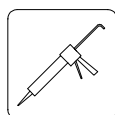
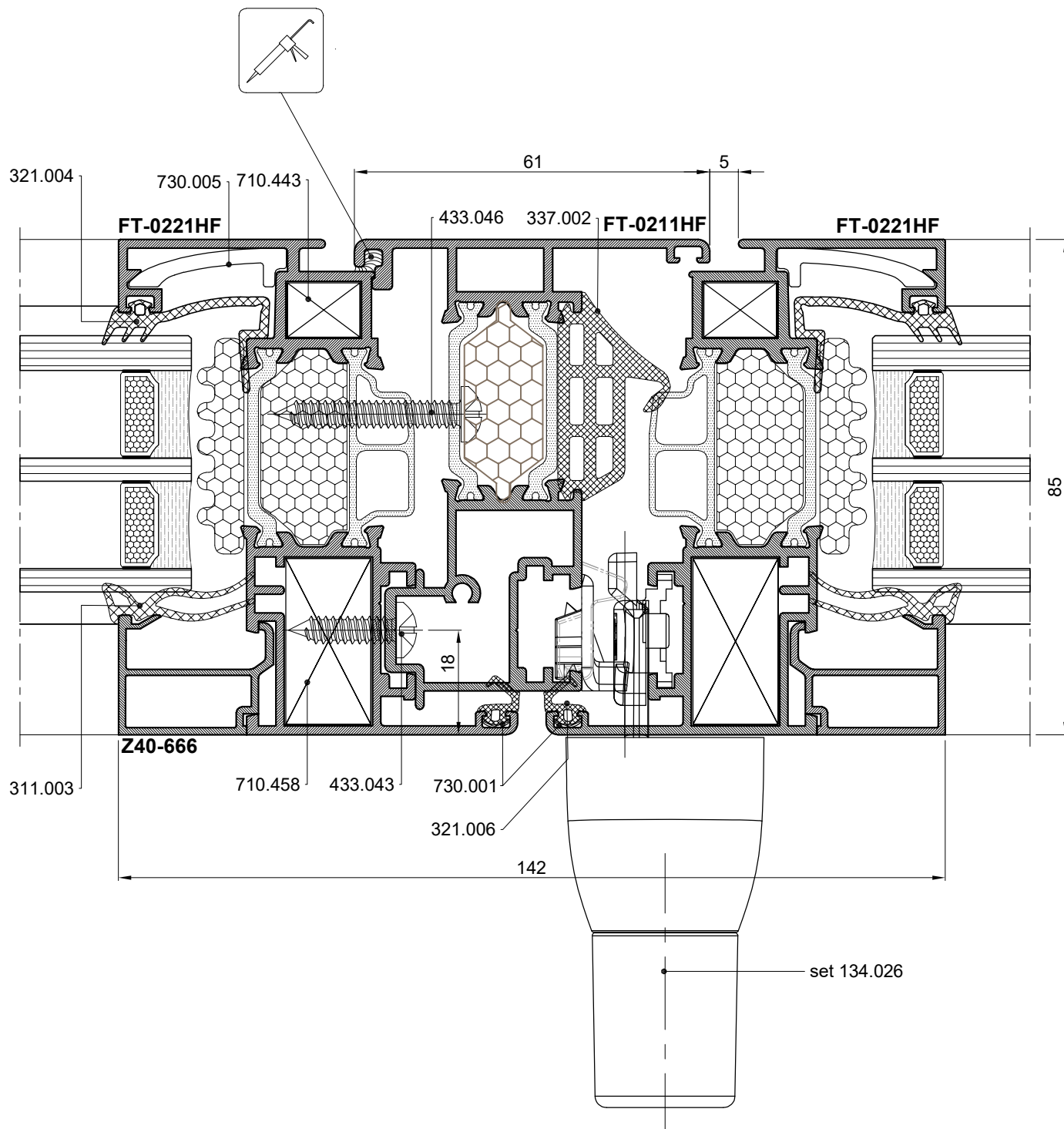
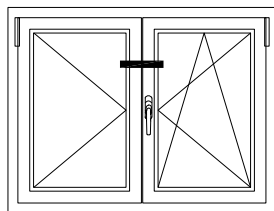
Detalj sa skrivenim okovom
Details with hidden tilt-turn mechanism



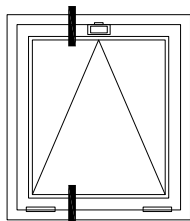




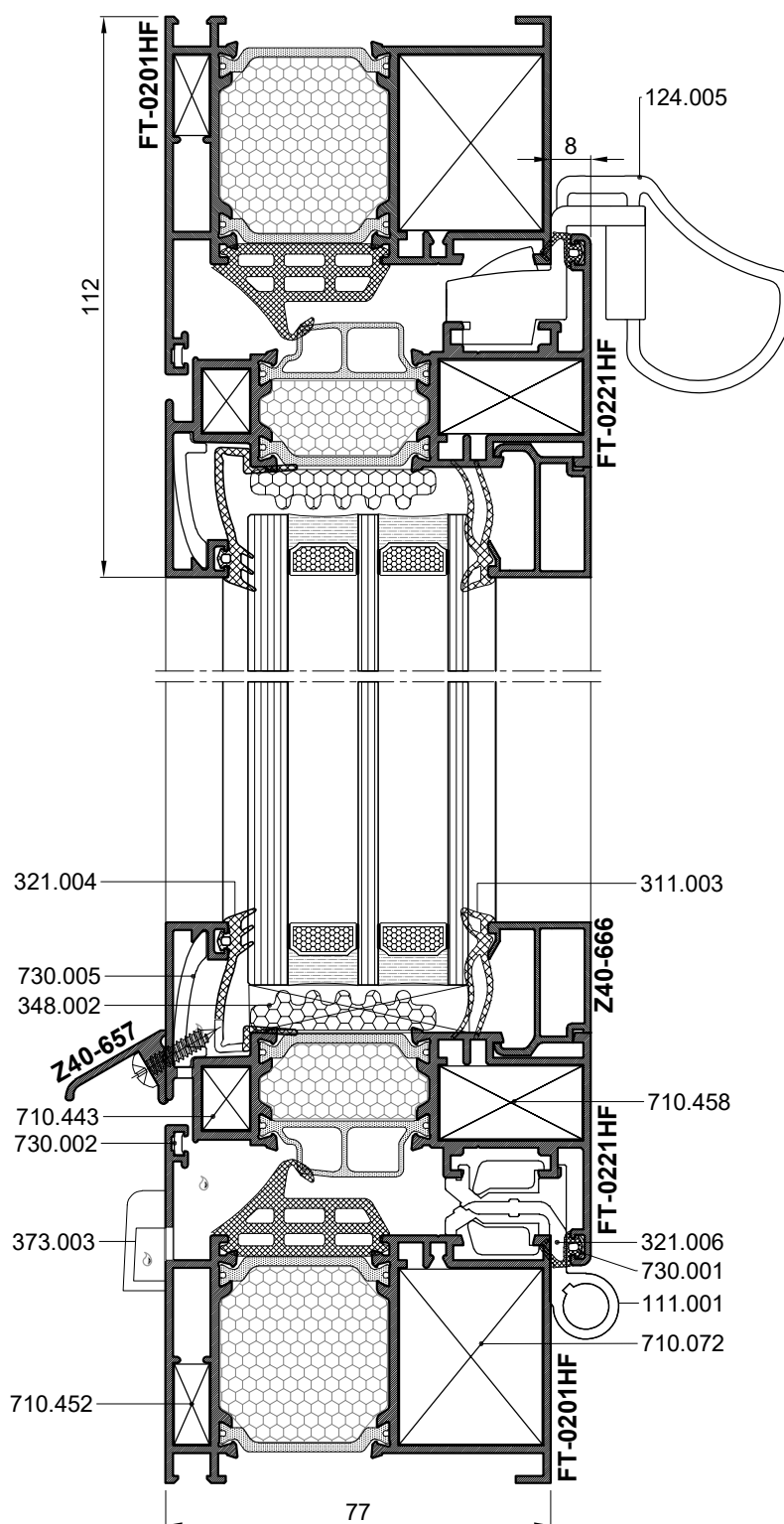
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

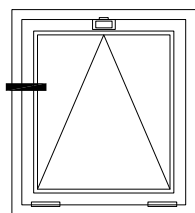


ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

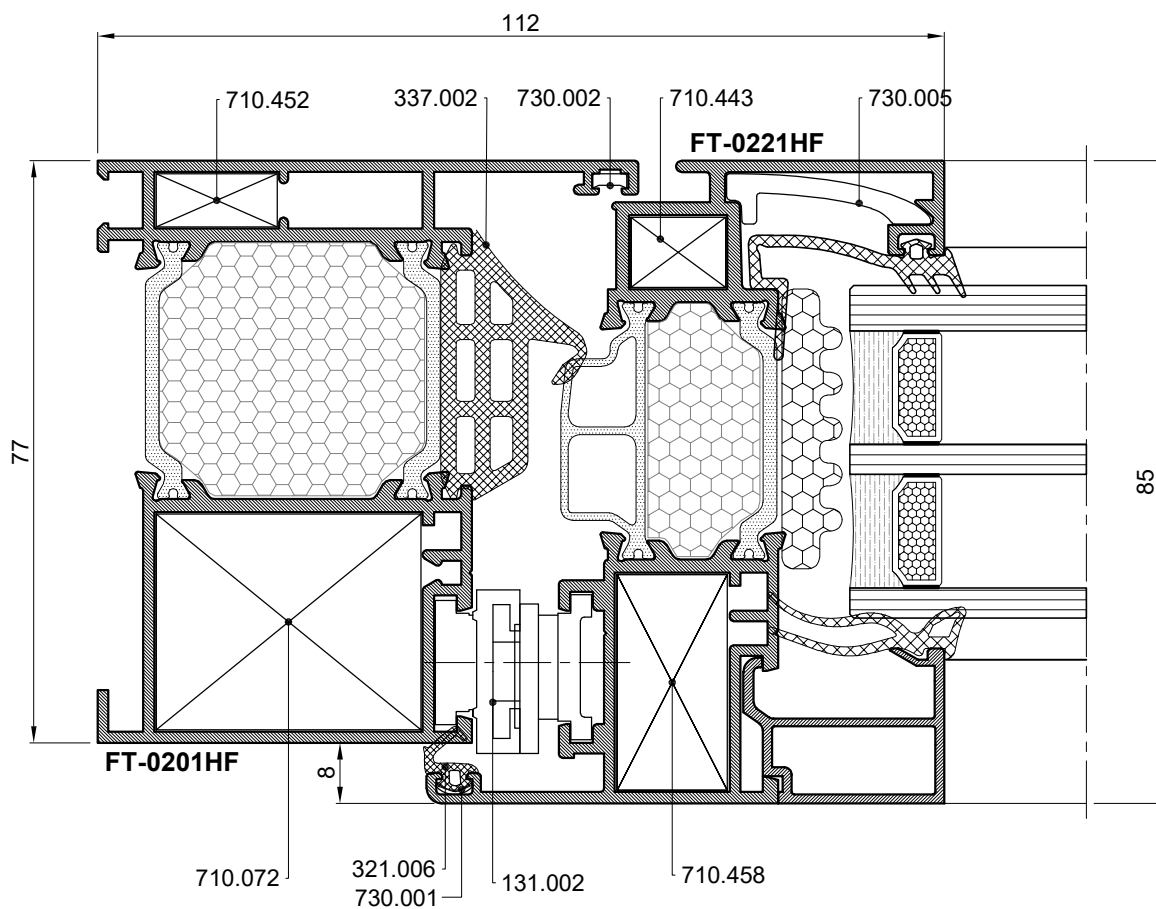


OTKLOPNI PROZOR - VENTUS
sa bravicom za zatvaranje (124.005) i škarama (131.002)
TILT WINDOW - VENTUS
with lock for closing - (124.005) and scissors (131.002)

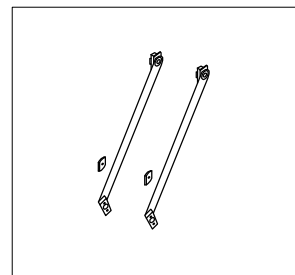


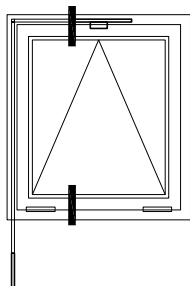


OTKLOPNI PROZOR - VENTUS
sa bravicom za zatvaranje (124.005) i škarama (131.002)
TILT WINDOW - VENTUS
with lock for closing - (124.005) and scissors (131.002)

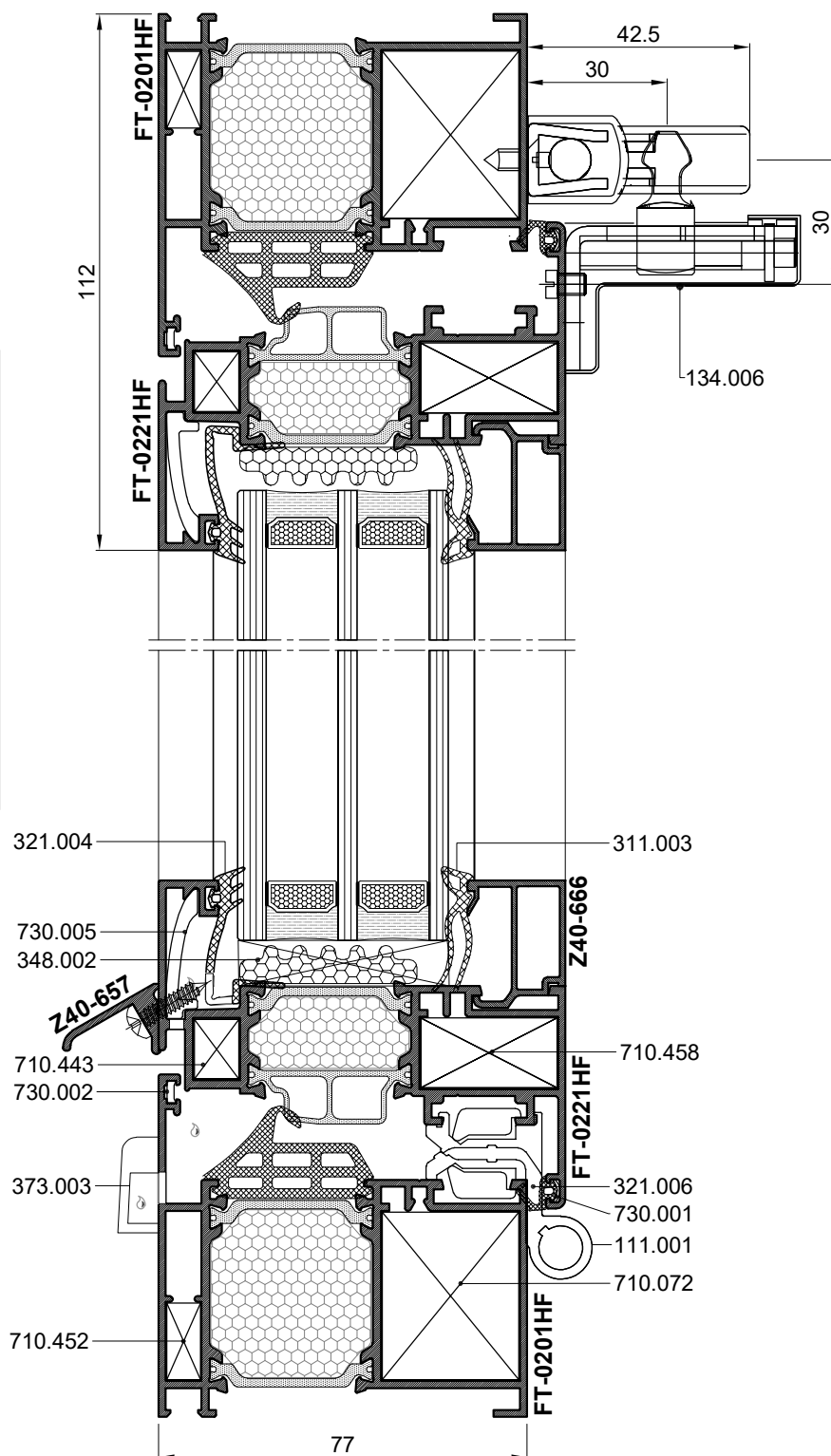
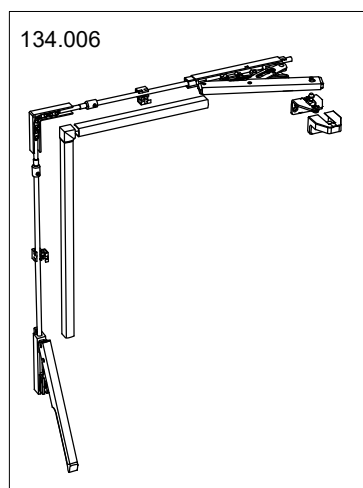


131.002

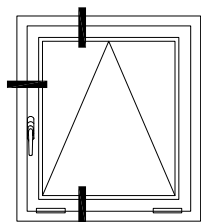




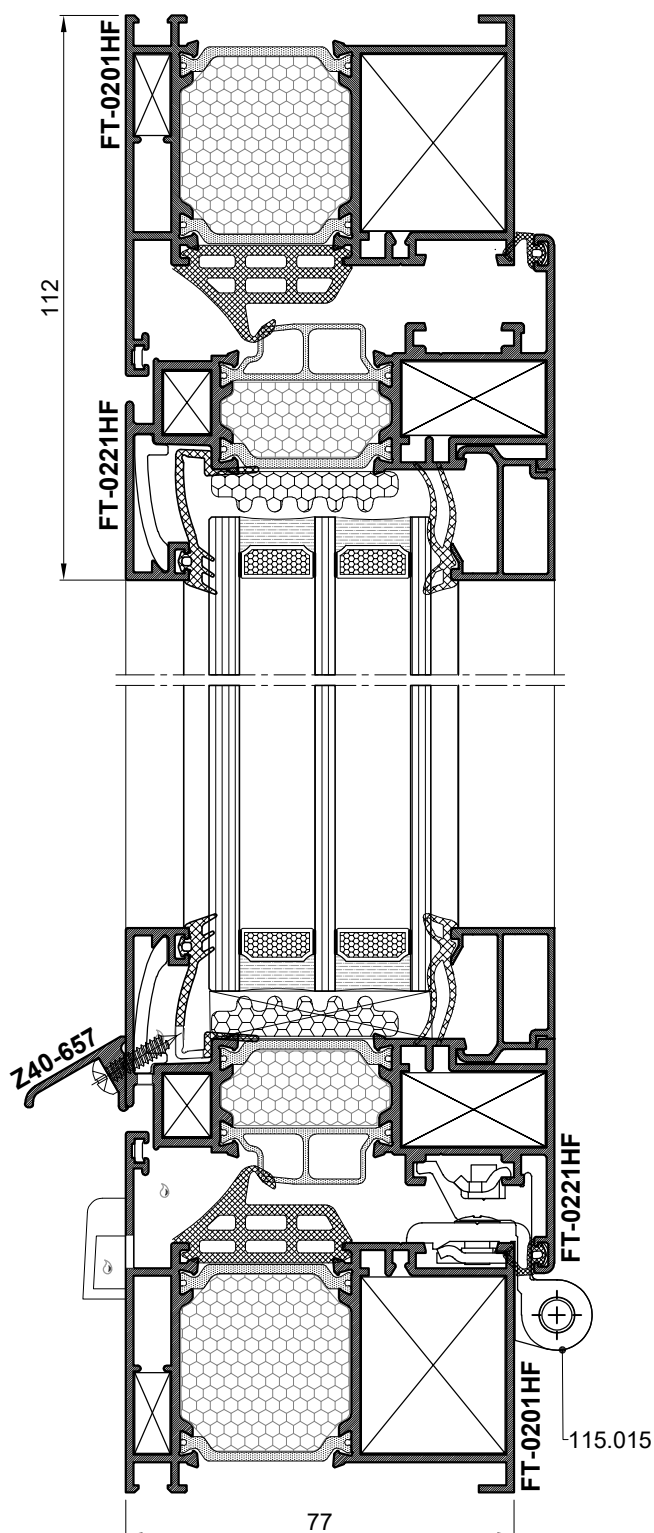
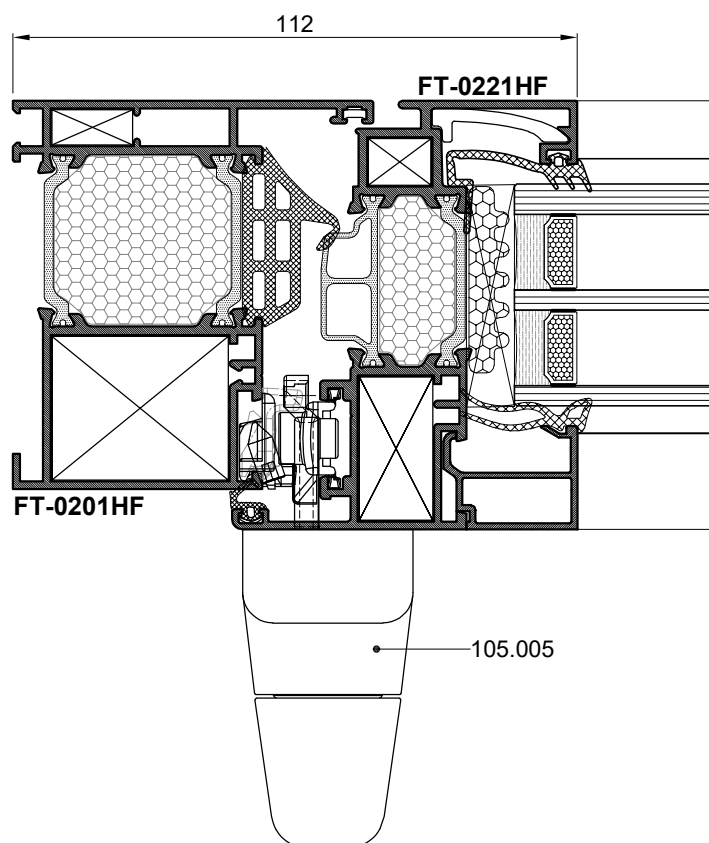
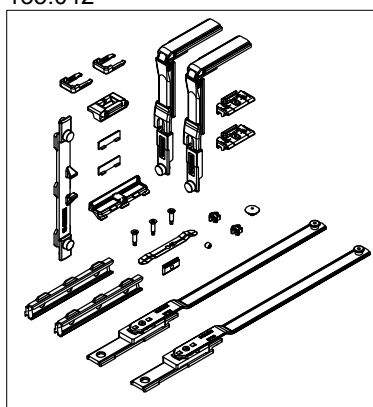
OTKLOPNI PROZOR - VENTUS sa ručkom za visinu (134.006)
TILT WINDOW - VENTUS with handle for height (134.006)



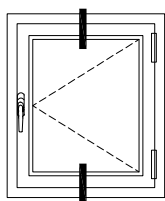
OTKLOPNI PROZOR - VENTUS sa ručkom na okomici (135.042)
TILT WINDOW - VENTUS with handle on side (135.042)



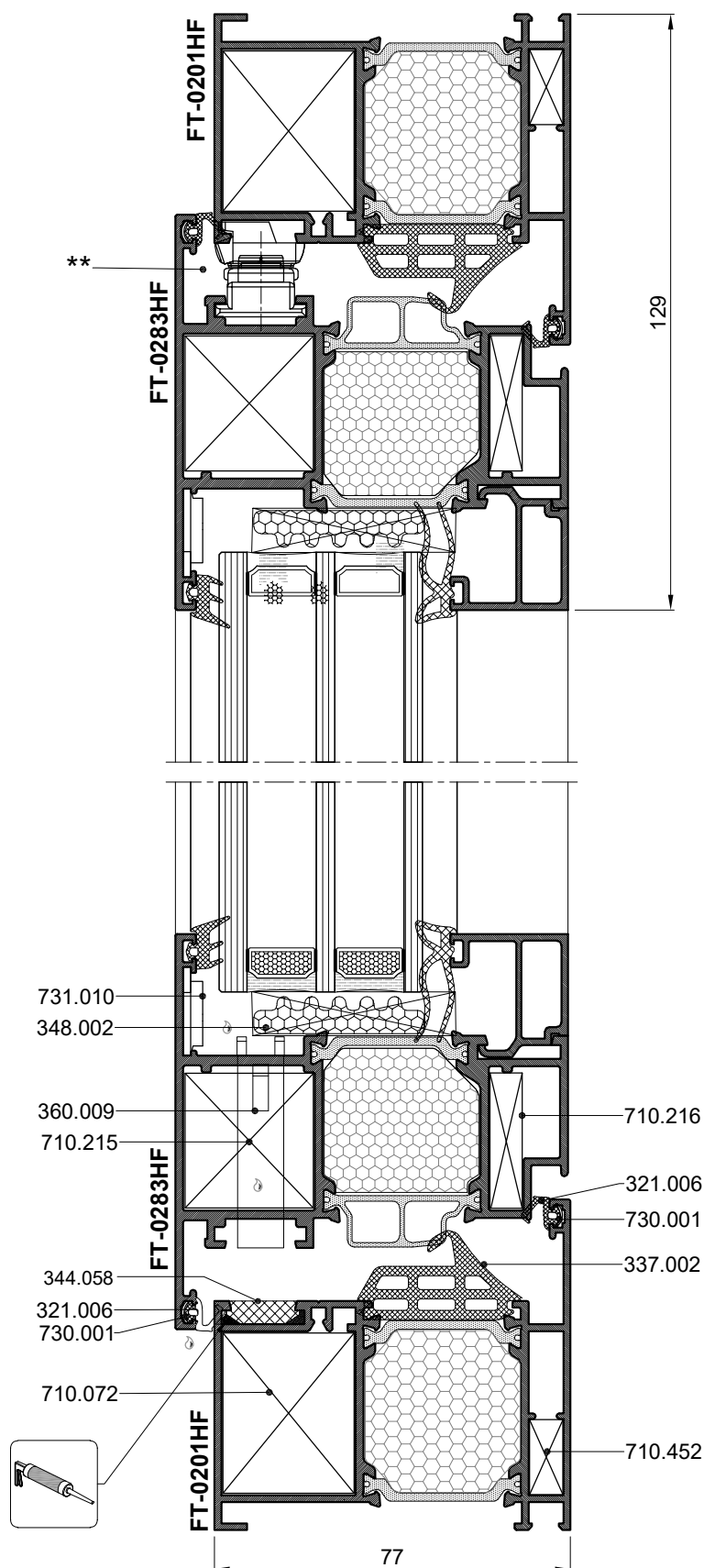
135.042

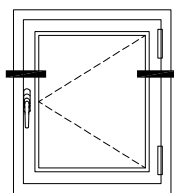


ZAOKRETNI PROZOR - otvaranje vani, zaokretno oko okomite osi
TURN WINDOW - outwards opening, turn around the vertical axis

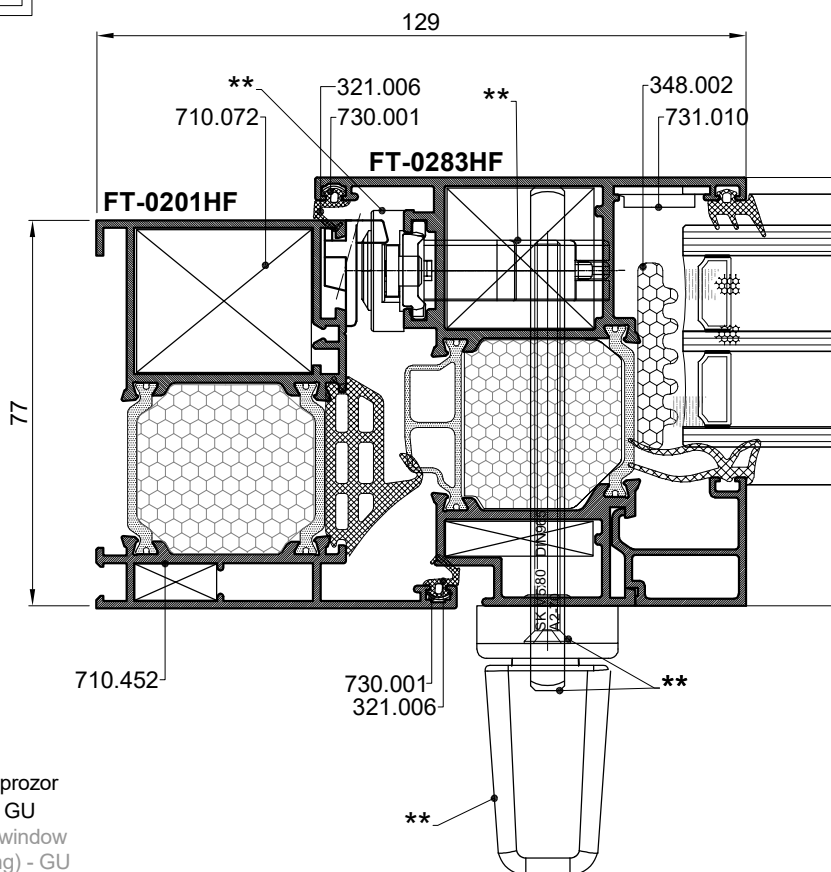


** Okov za zaokretni prozor
- (otvaranje vani) - GU
Hardware for turn window
- (outwards opening) - GU

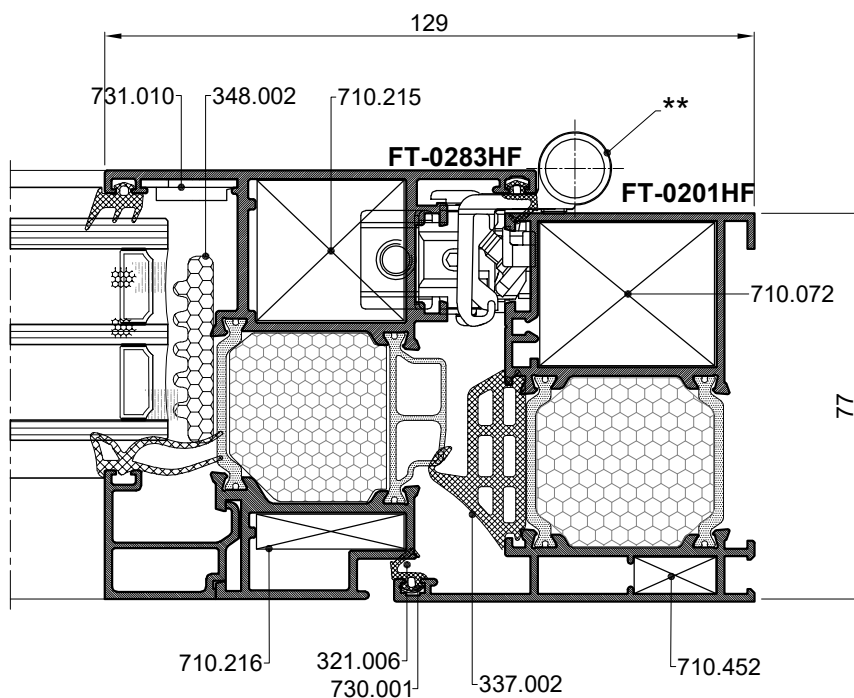


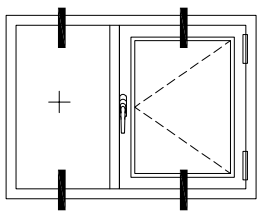


ZAOKRETNI PROZOR - otvaranje vani, zaokretno oko okomite osi
TURN WINDOW - outwards opening, turn around the vertical axis

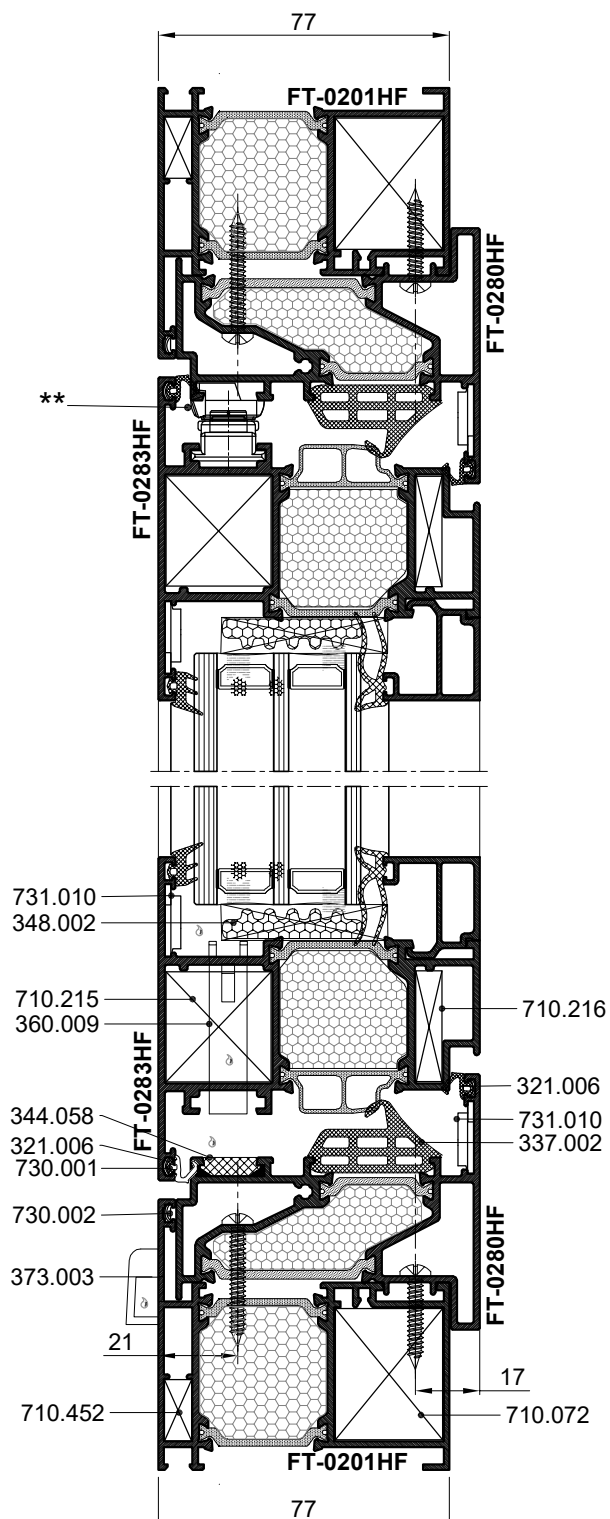
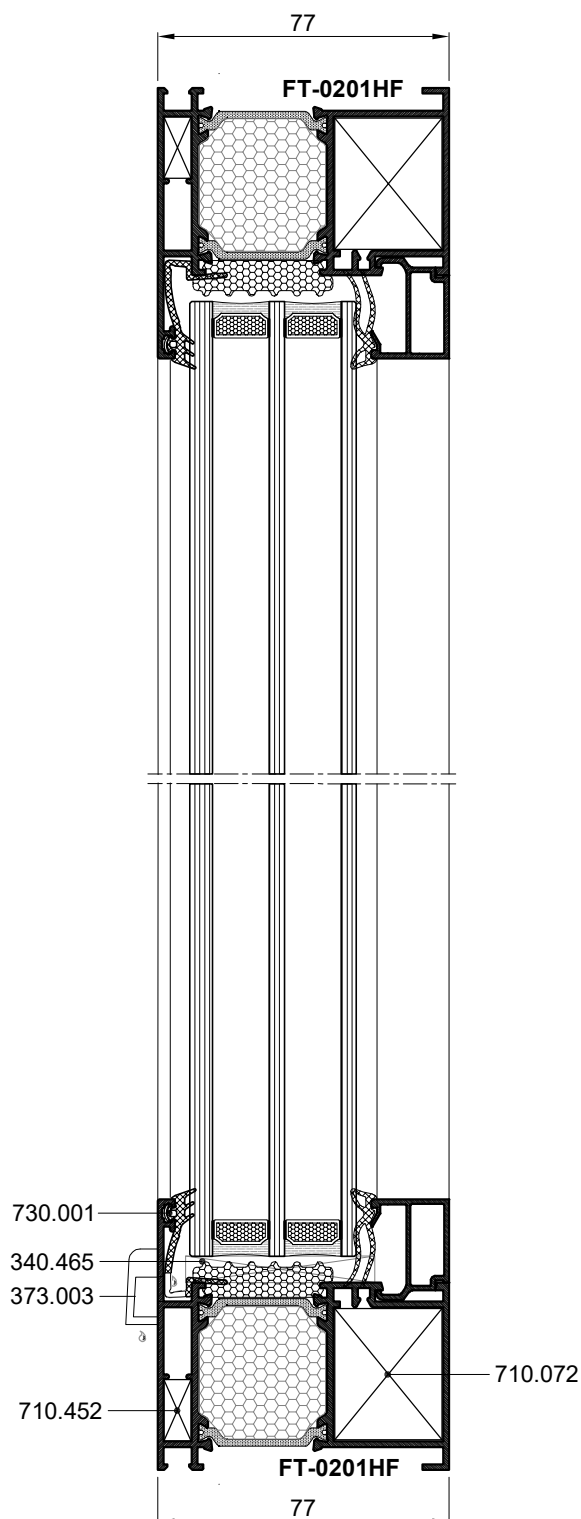


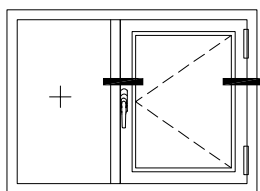
** Okov za zaokretni prozor
- (otvaranje vani) - GU
Hardware for turn window
- (outwards opening) - GU



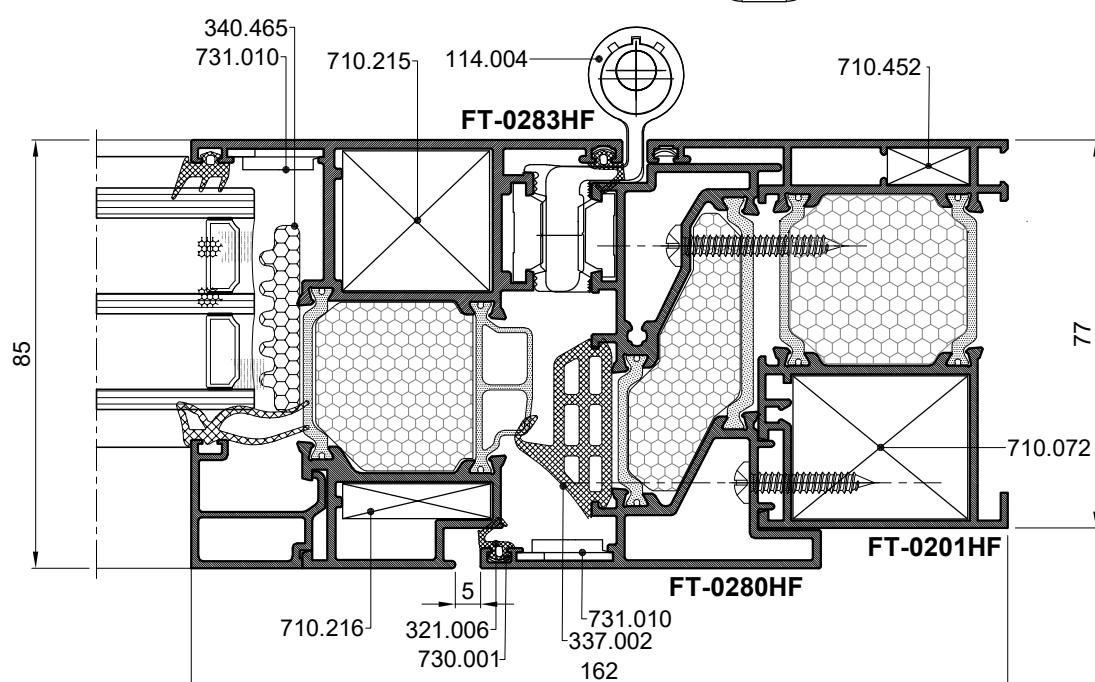
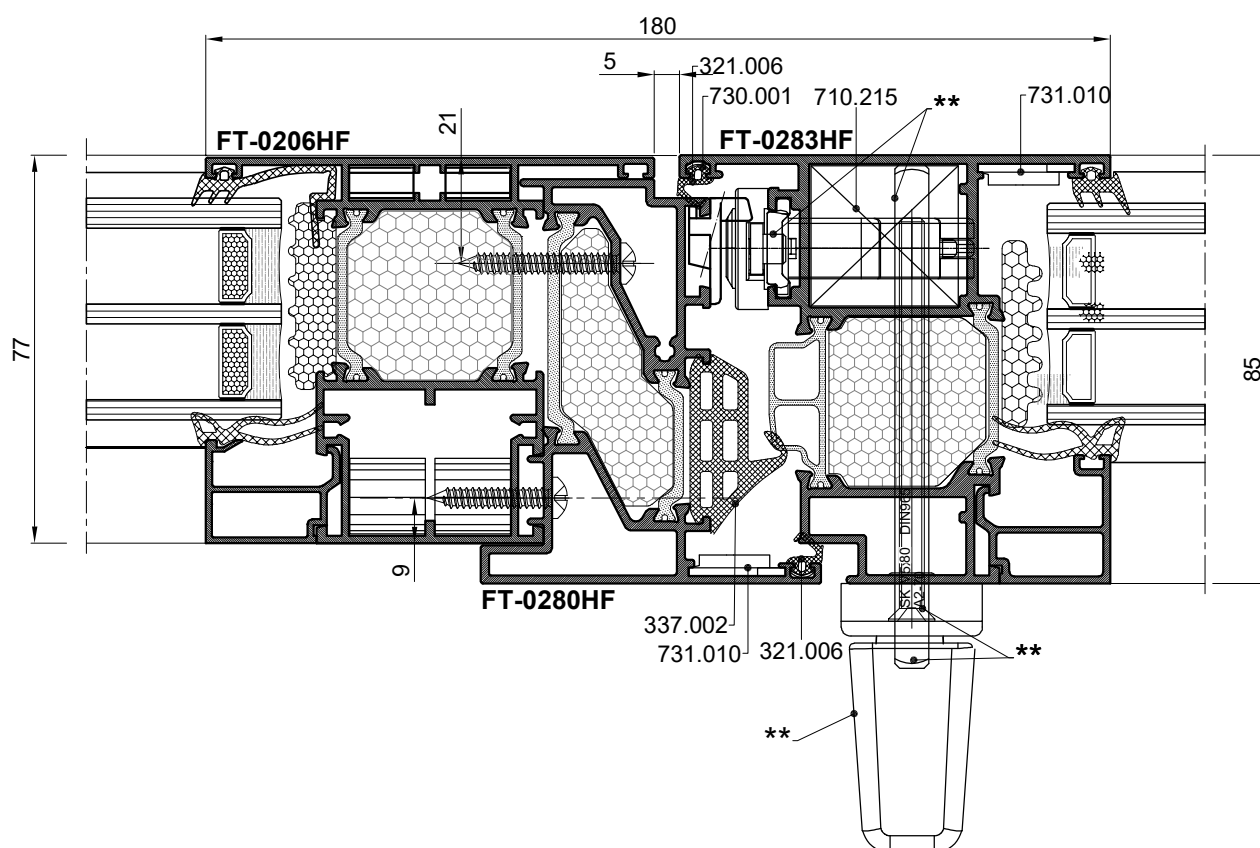


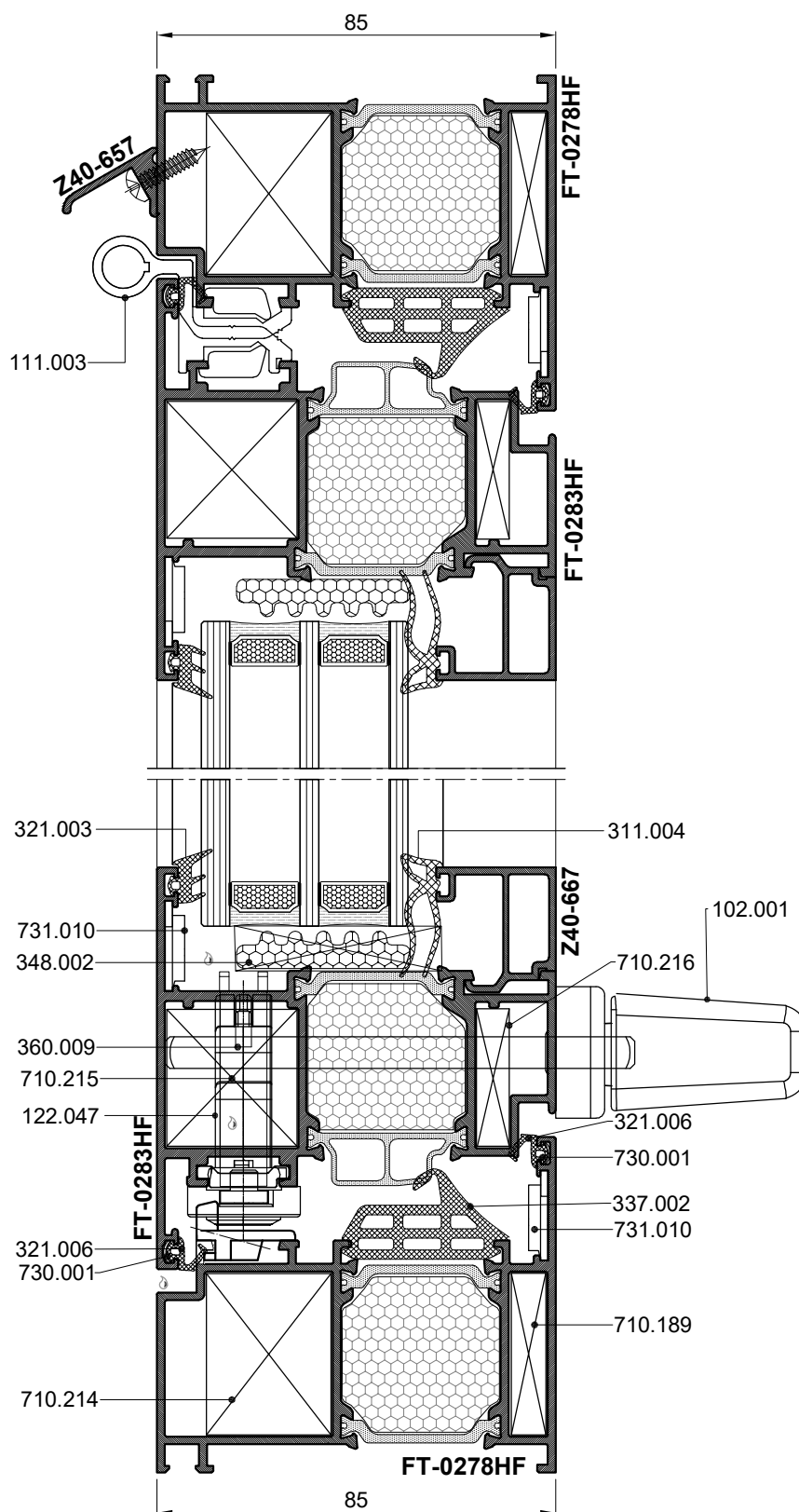
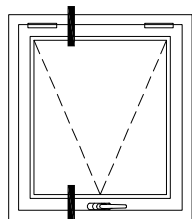
** Okov za zaokretni prozor
- (otvaranje vani) - GU
Hardware for turn window
- (outwards opening) - GU

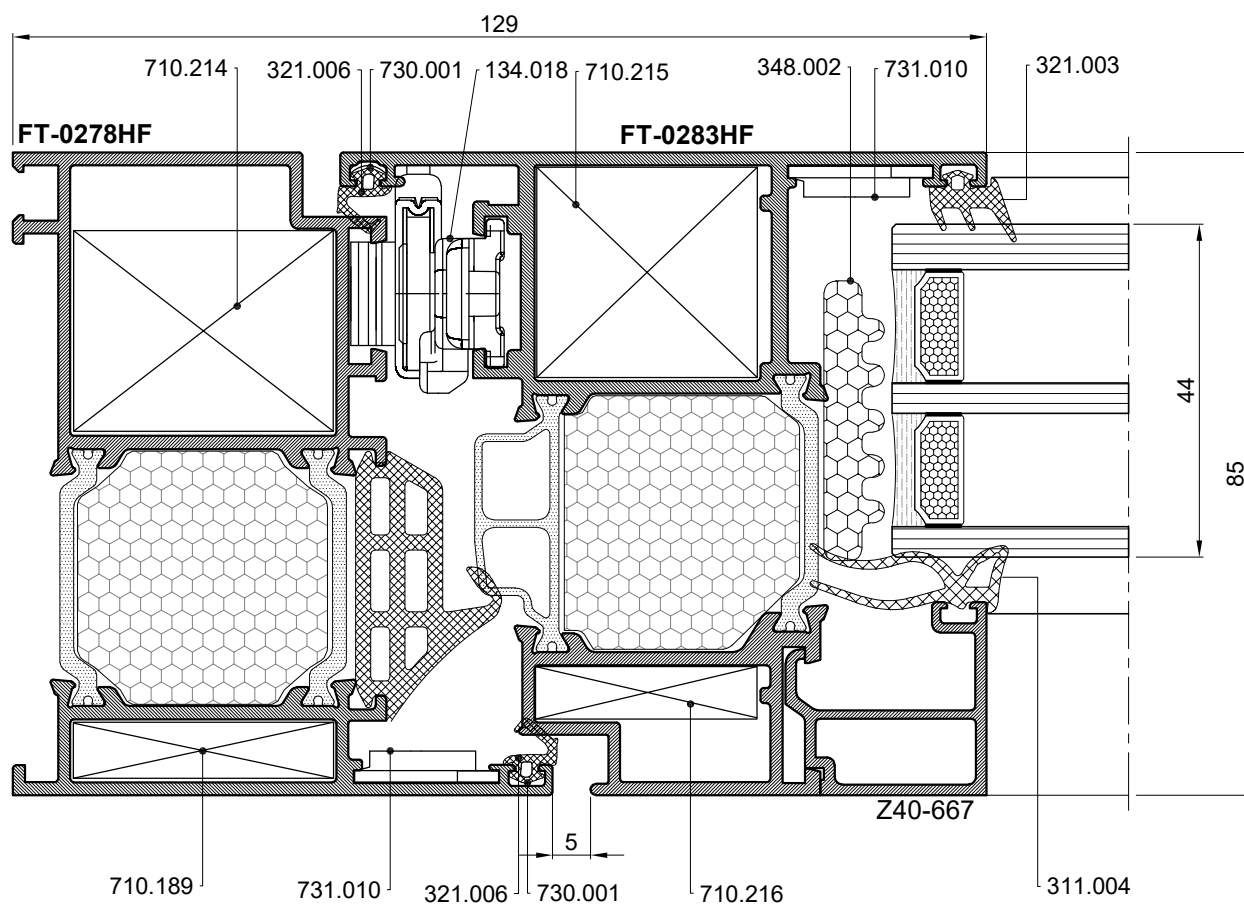
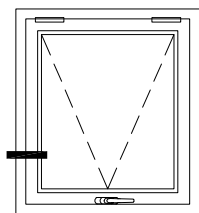


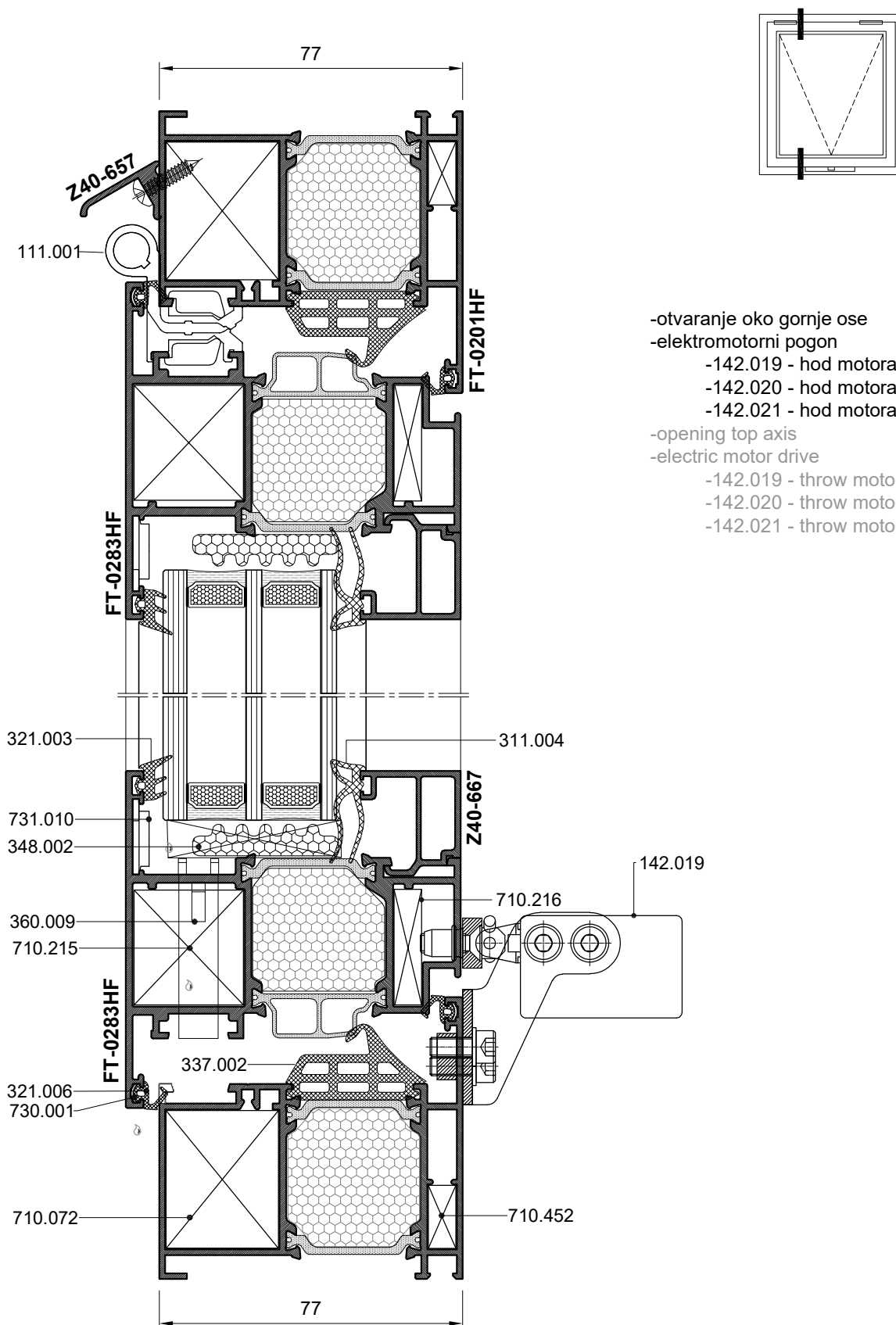


** Okov za zaokretni prozor
- (otvaranje vani) - GU
Hardware for turn window
- (outwards opening) - GU

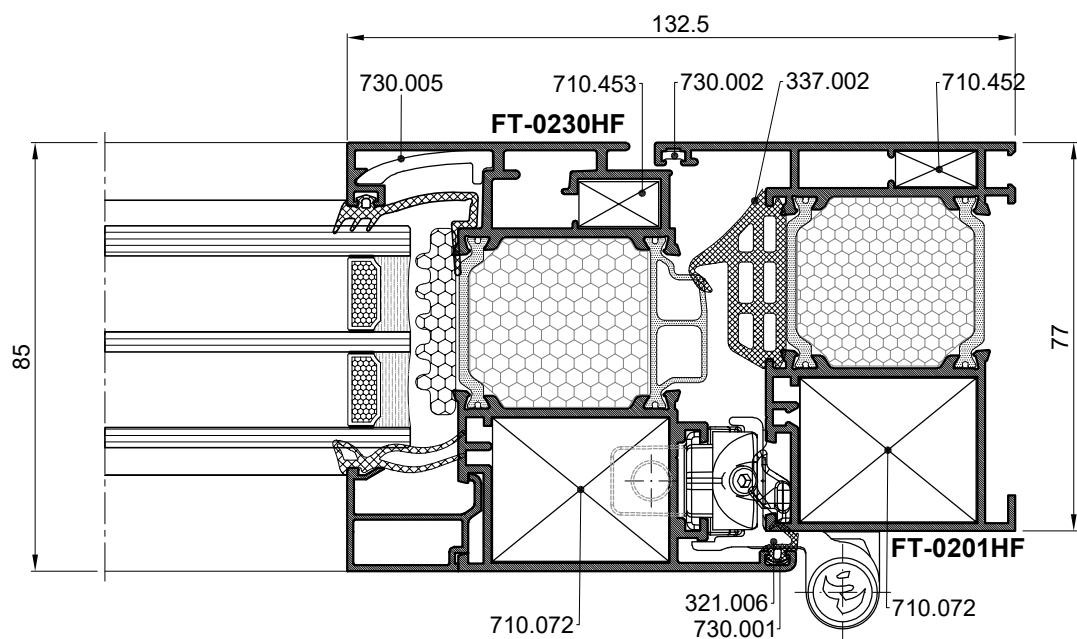
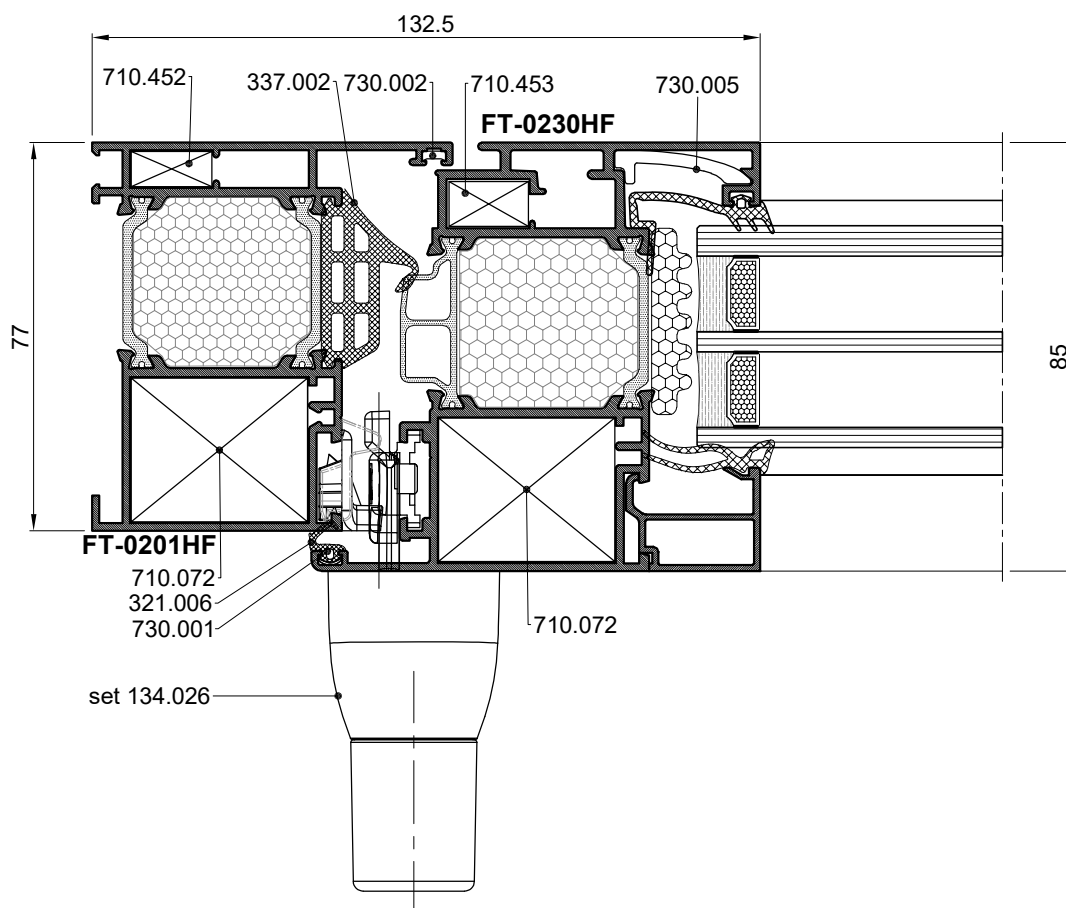
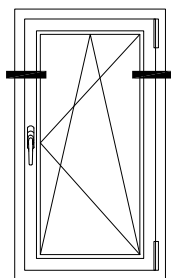


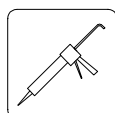
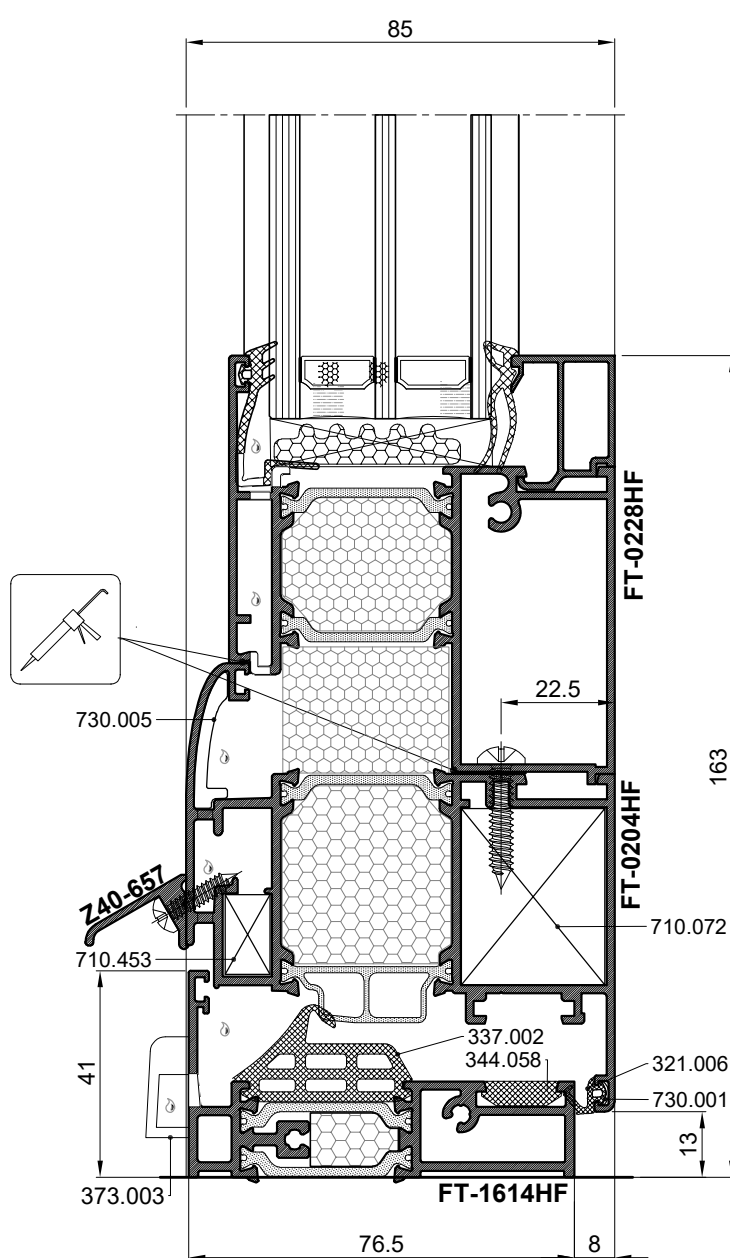
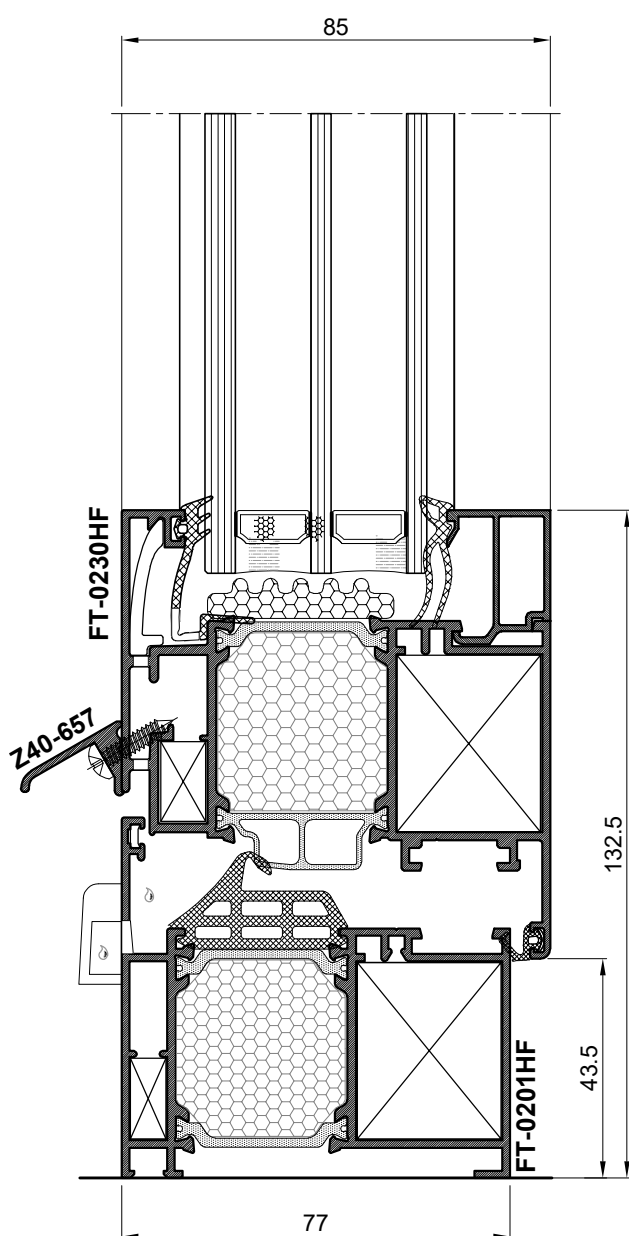
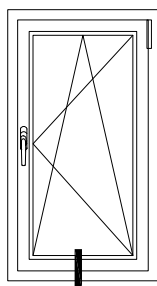






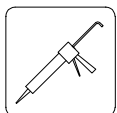
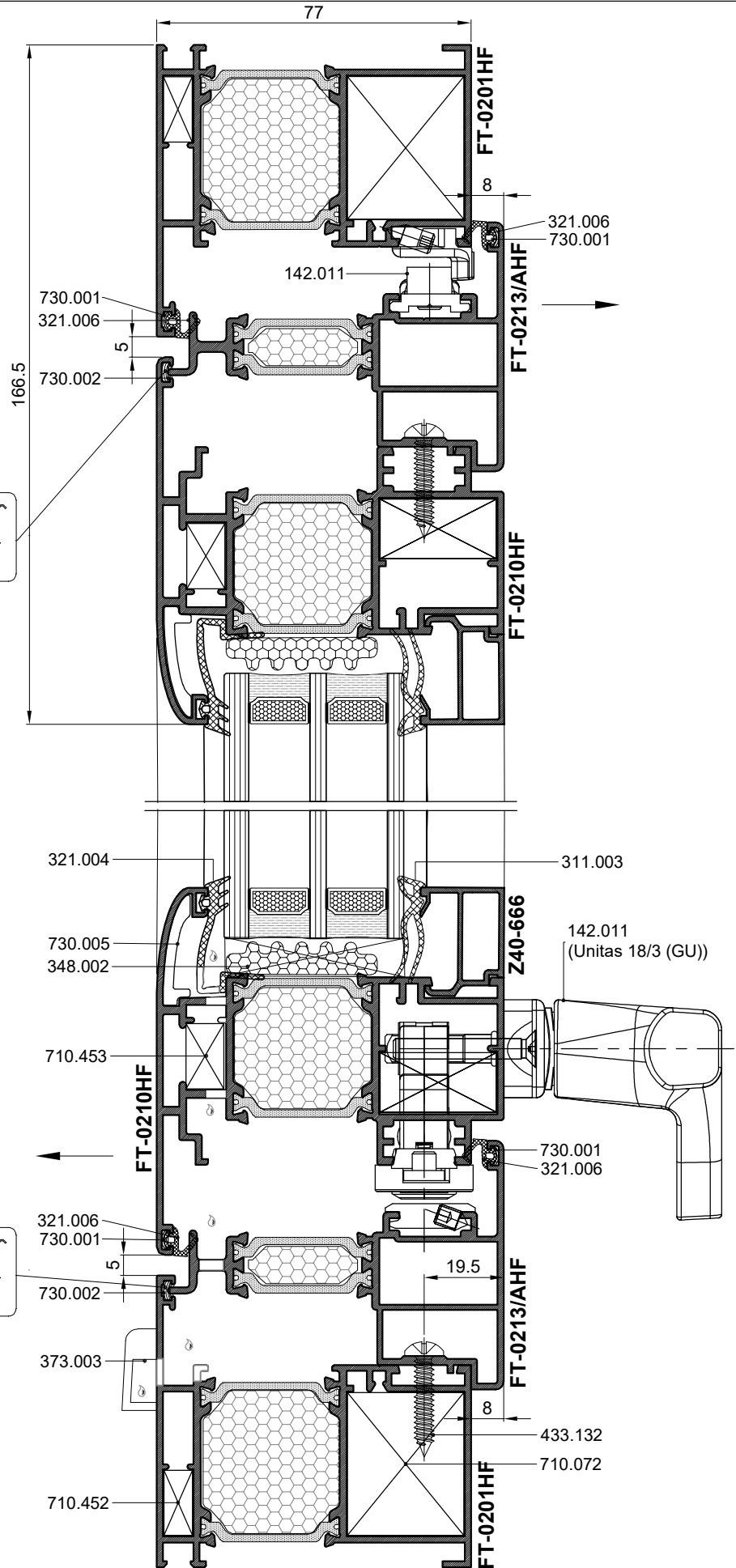
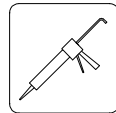
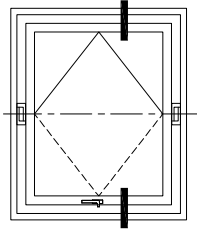
- otvaranje oko gornje ose
- elektromotorni pogon
 - 142.019 - hod motora 200 mm
 - 142.020 - hod motora 300 mm
 - 142.021 - hod motora 400 mm
- opening top axis
- electric motor drive
 - 142.019 - throw motor 200 mm
 - 142.020 - throw motor 300 mm
 - 142.021 - throw motor 400 mm



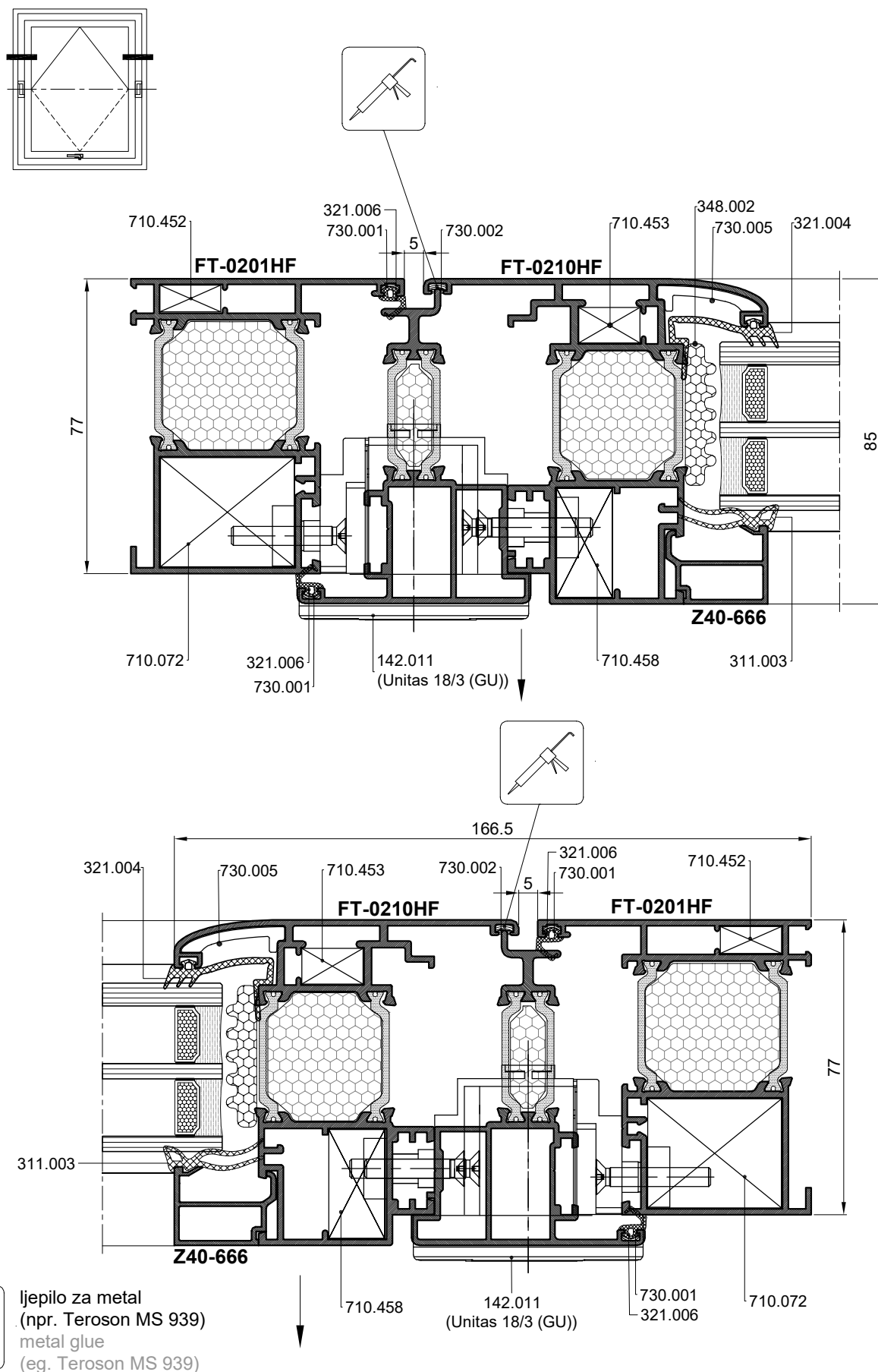


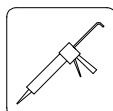
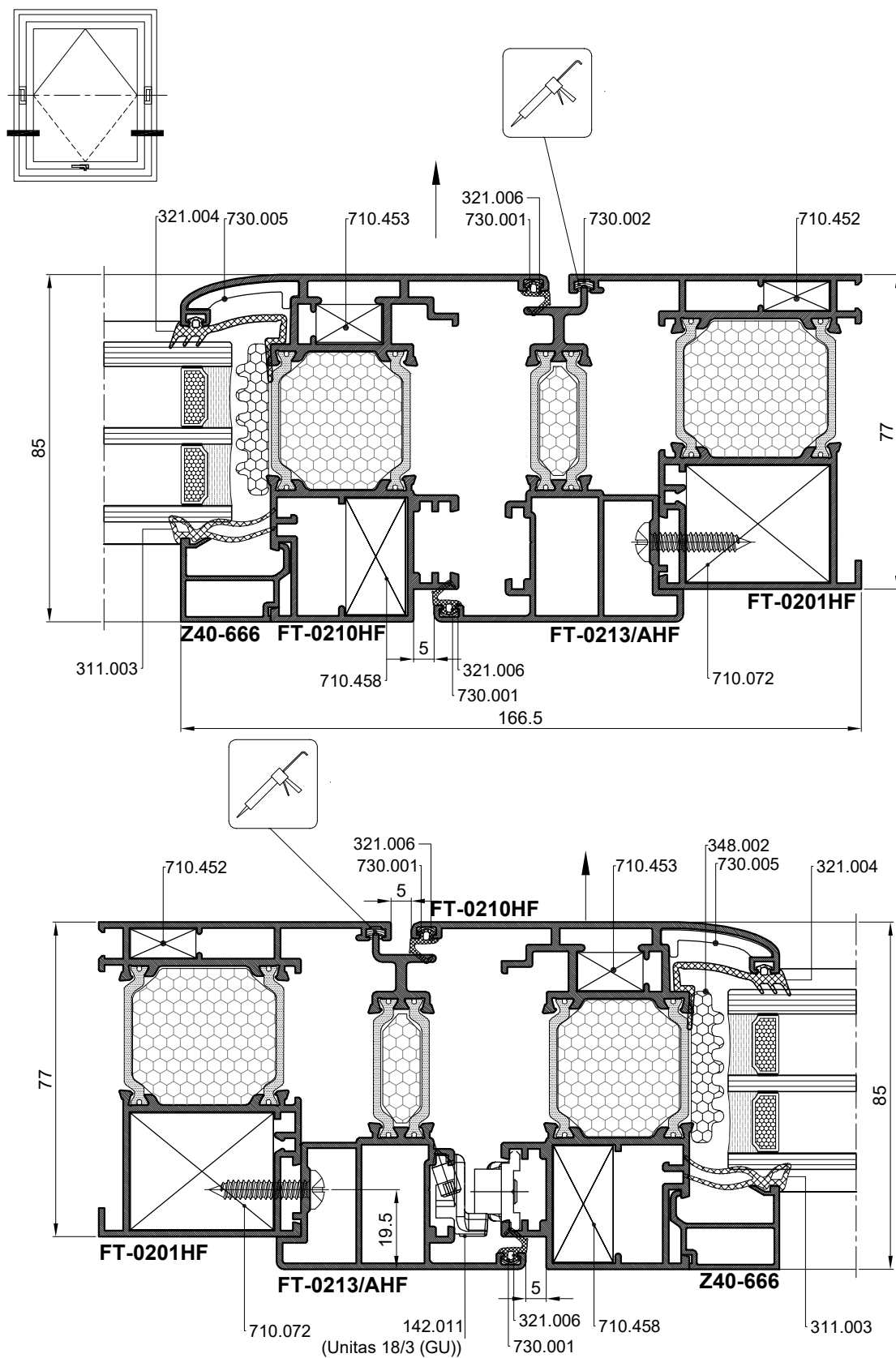
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

PROZOR - OTVARANJE OKO
SREDNJE VODORAVNE OSE
WINDOW - HORIZONTAL
PIVOT OPENING



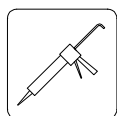
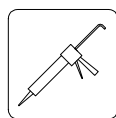
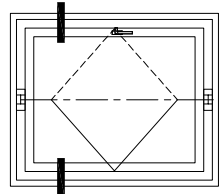
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)



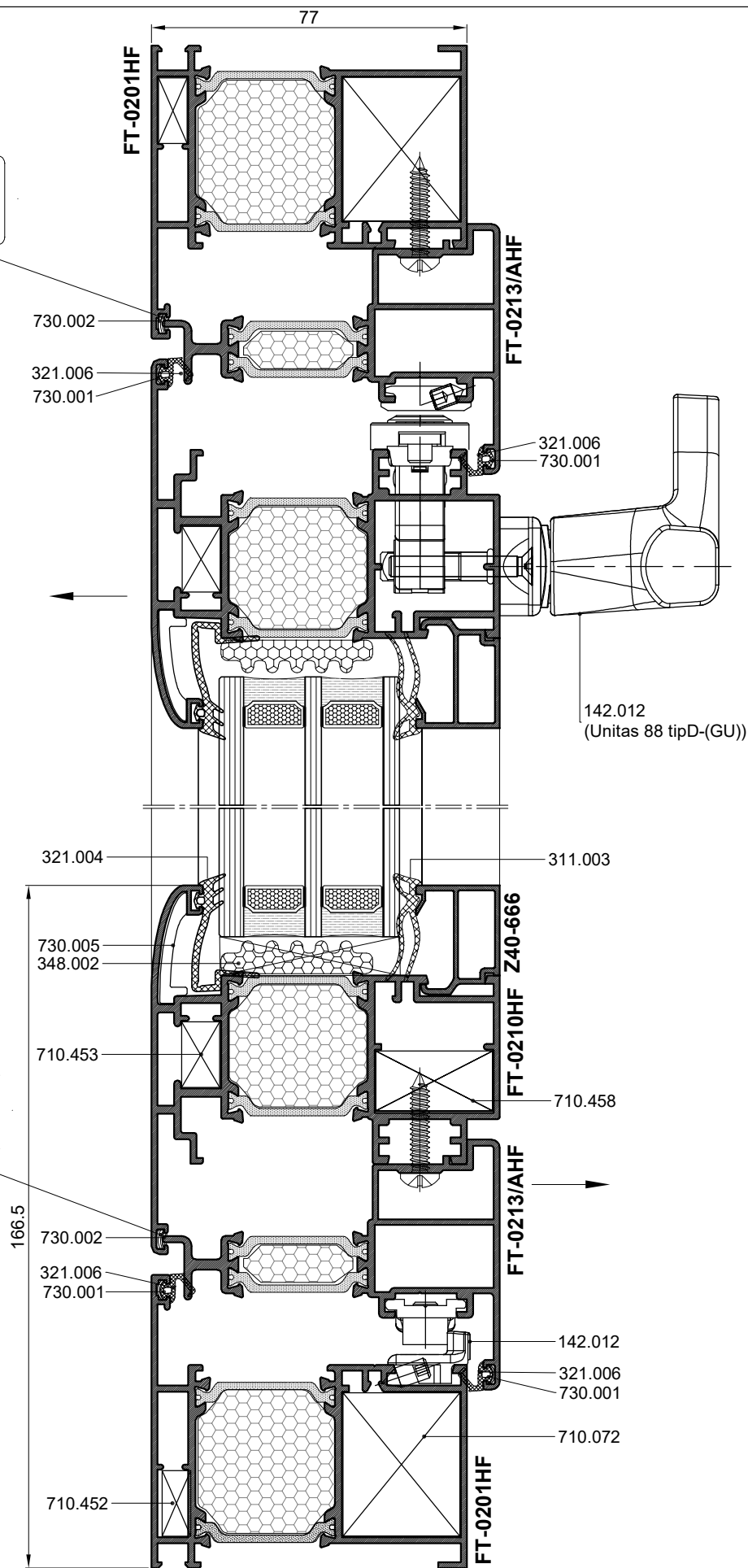


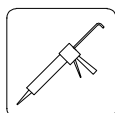
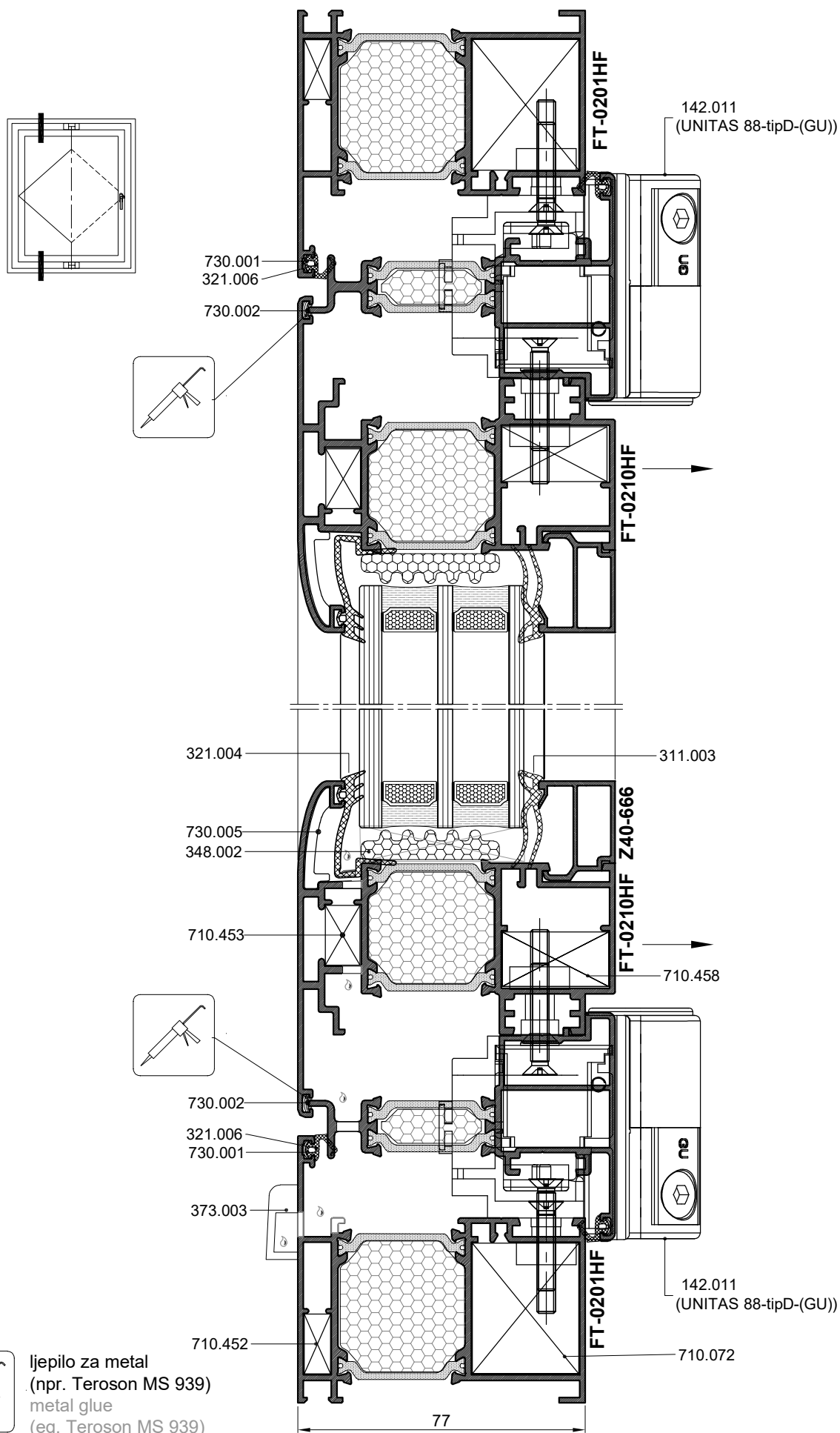
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

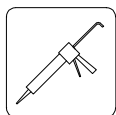
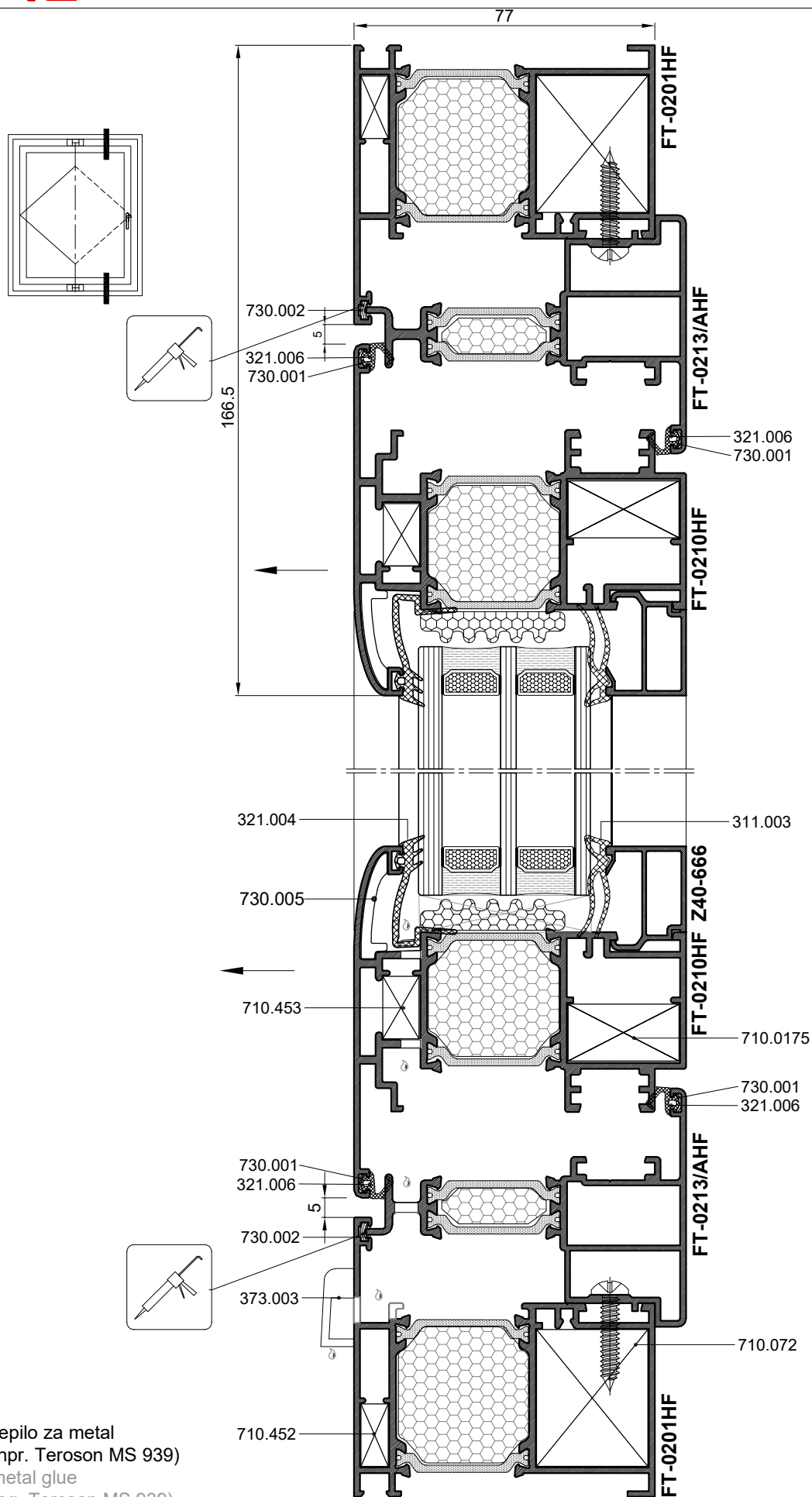
PROZOR - OTVARANJE OKO SREDNJE OKOMITE OSE
WINDOW VERTICAL PIVOT OPENING



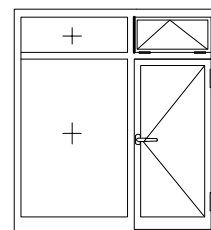
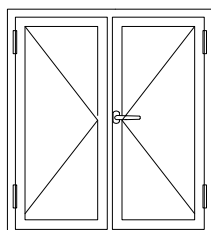
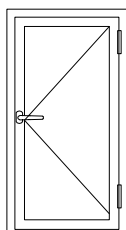
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

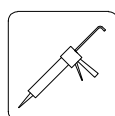
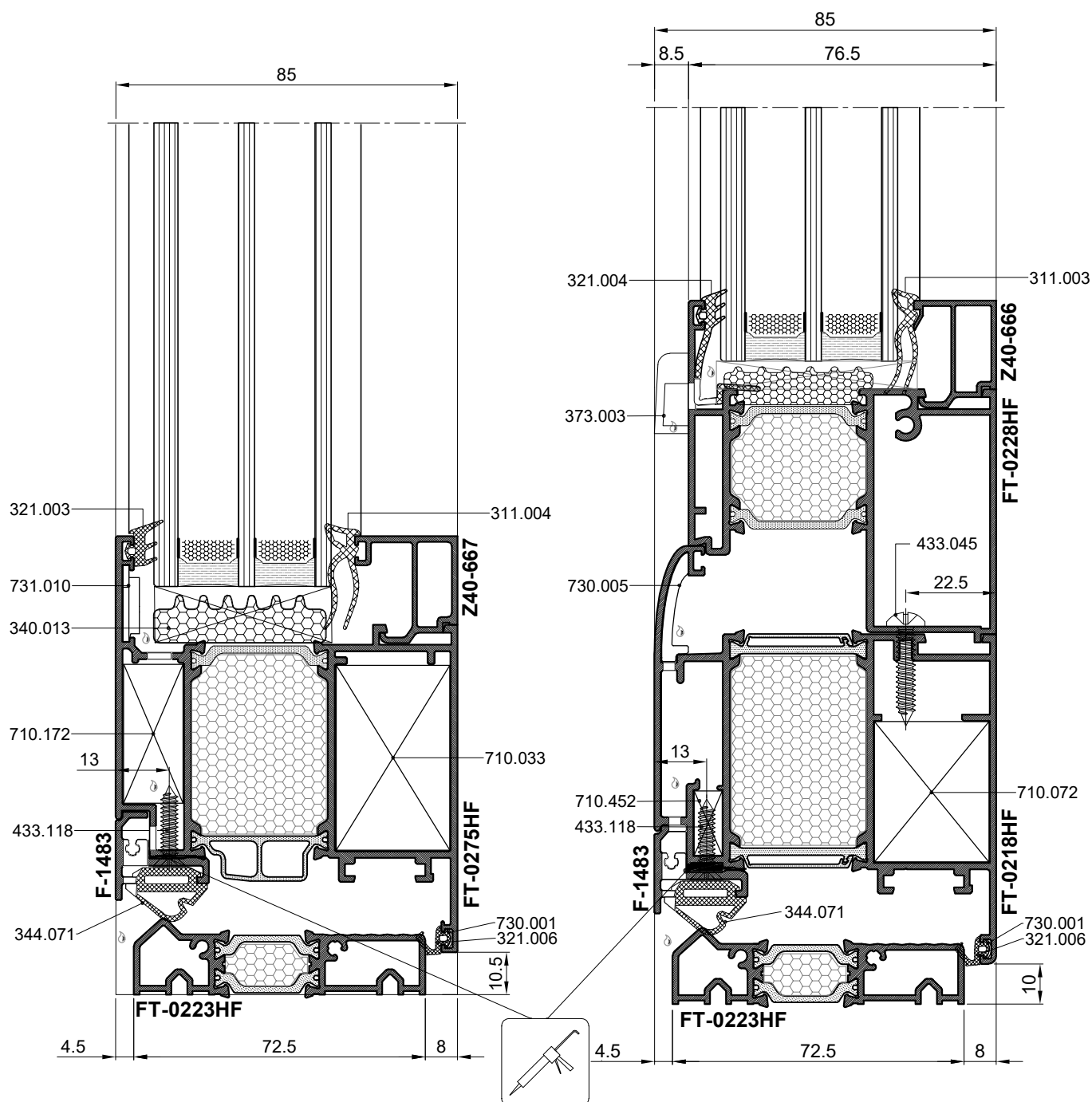
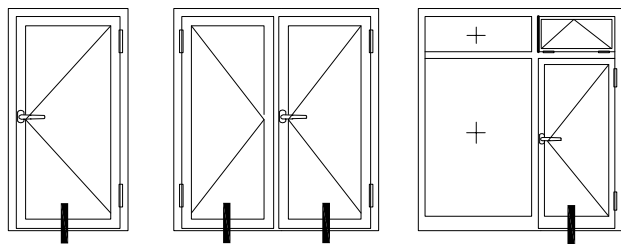




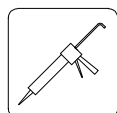
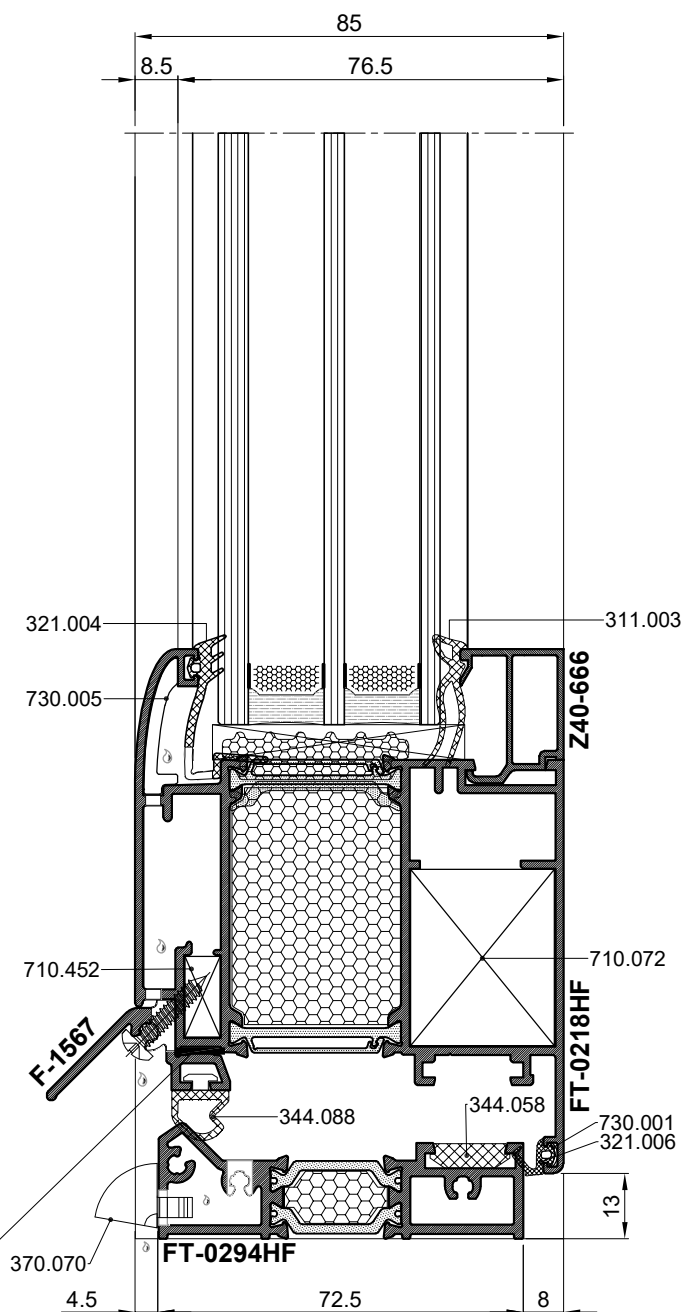
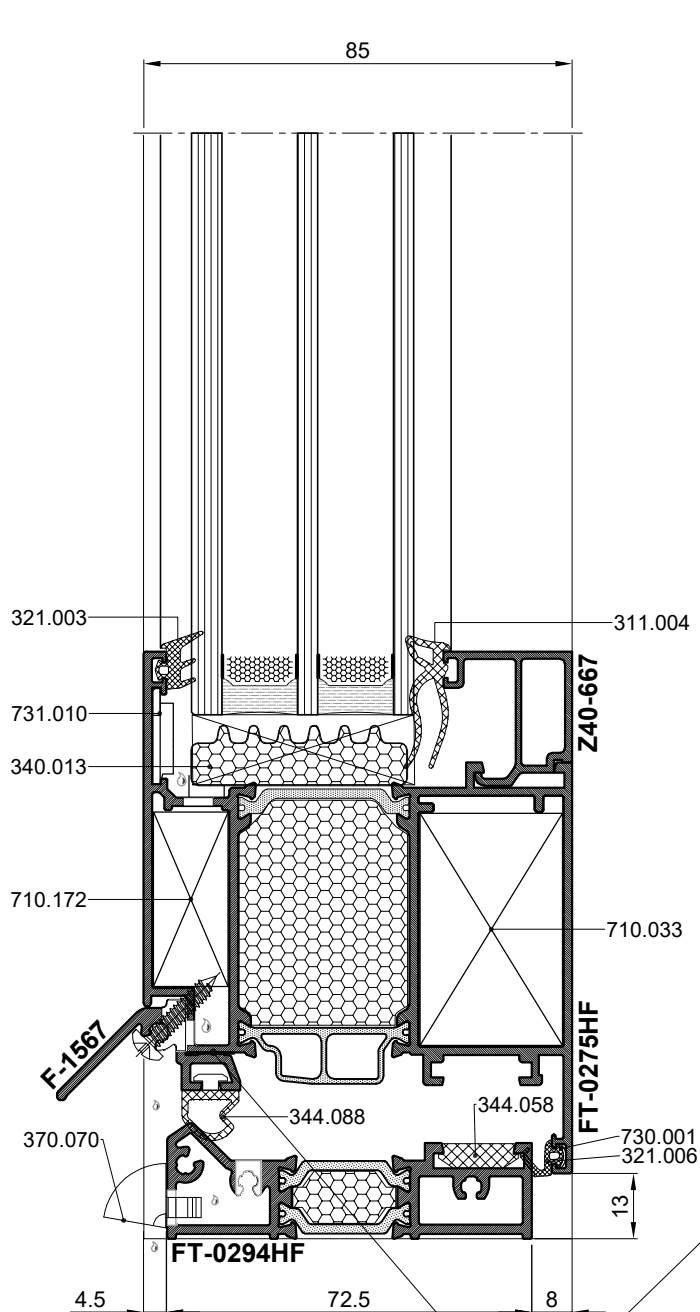
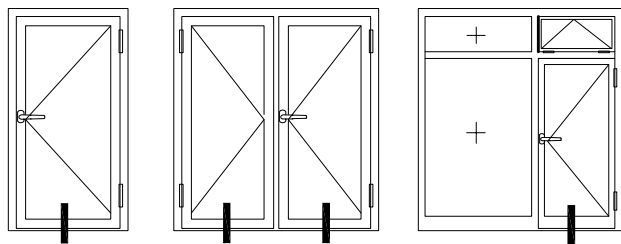


ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

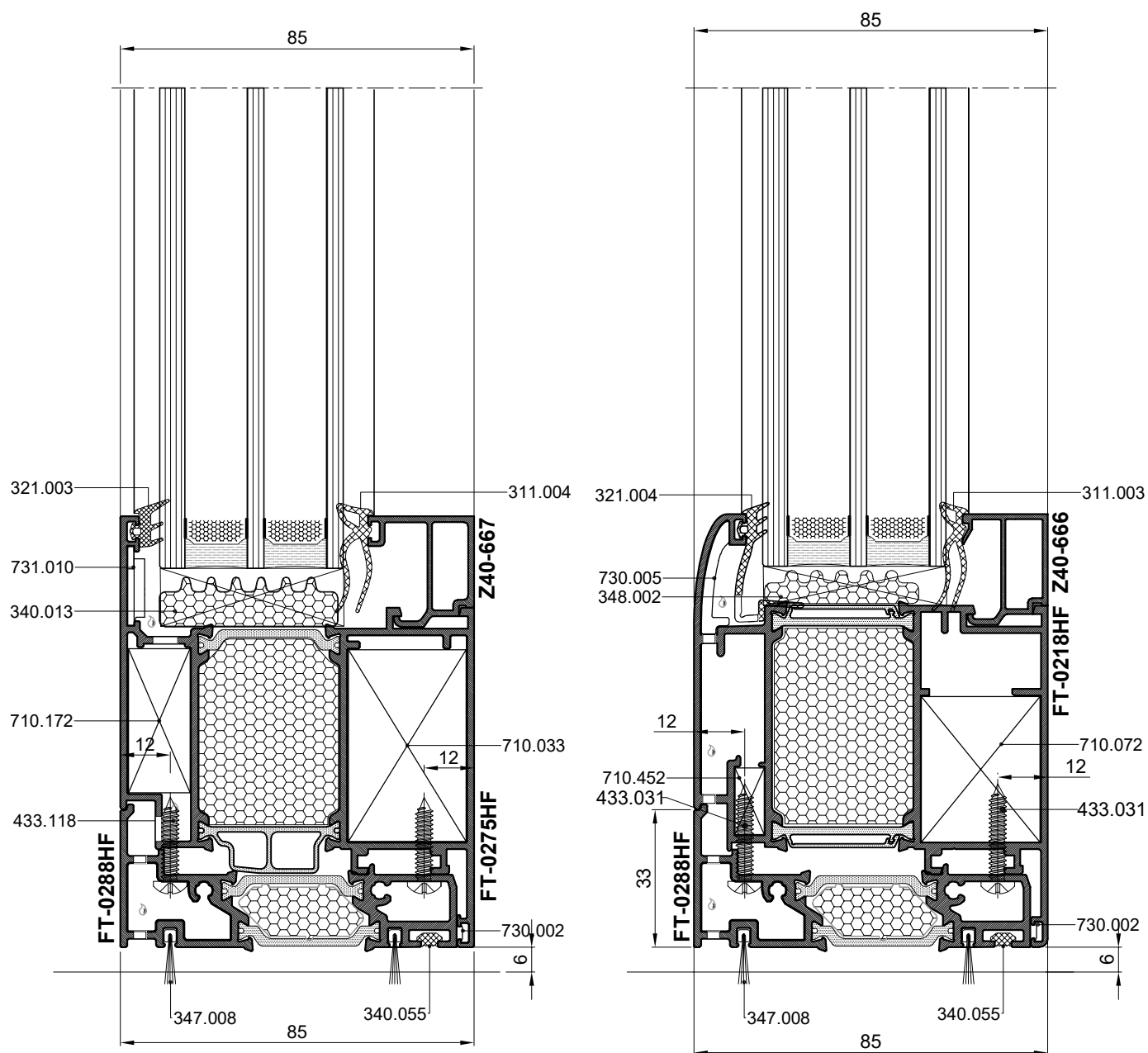
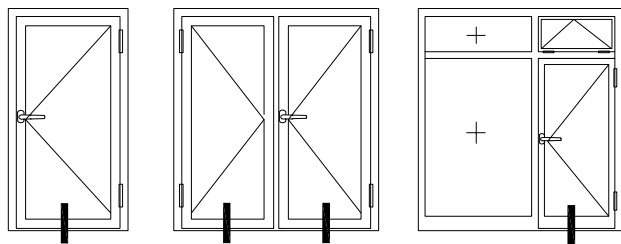


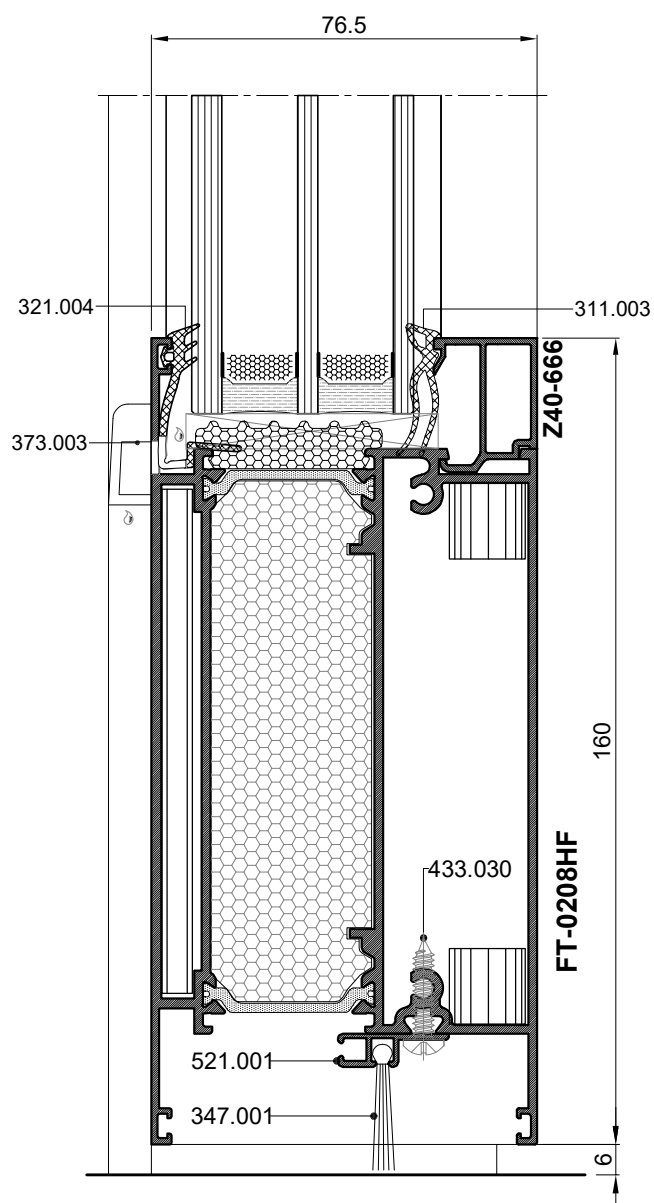
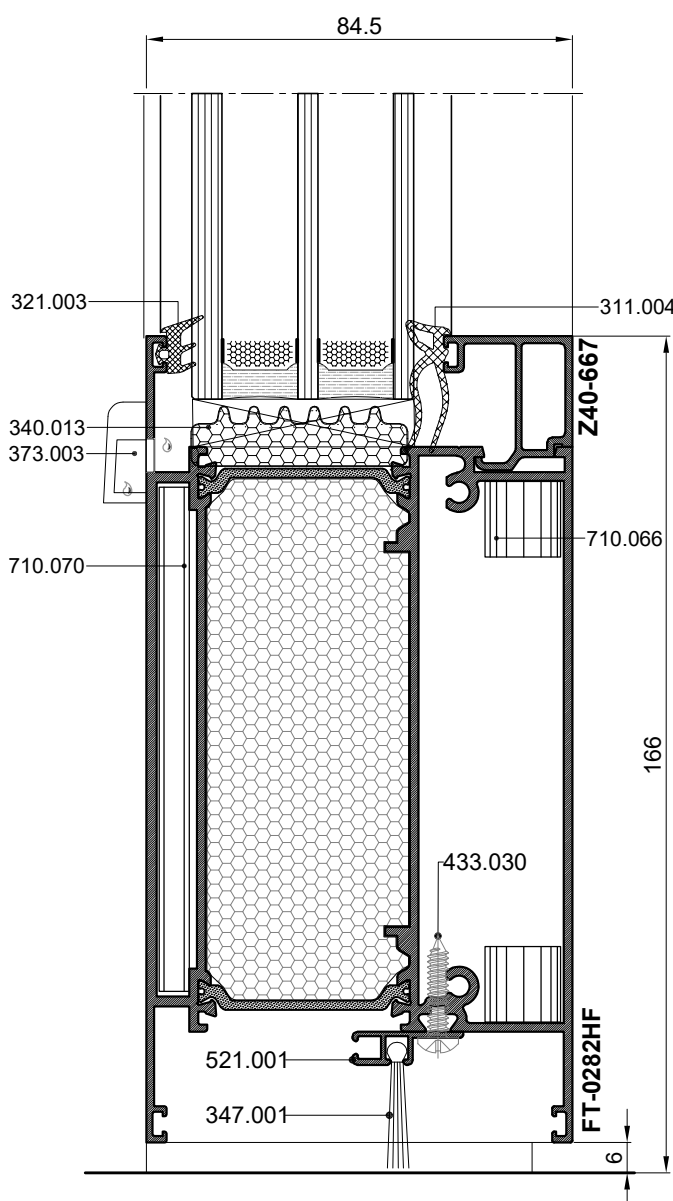
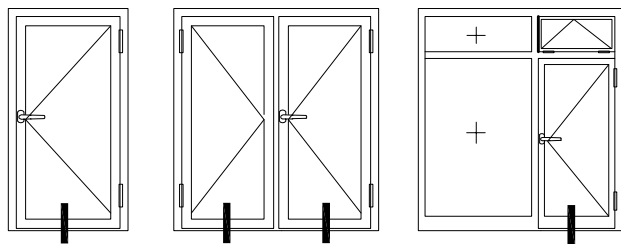


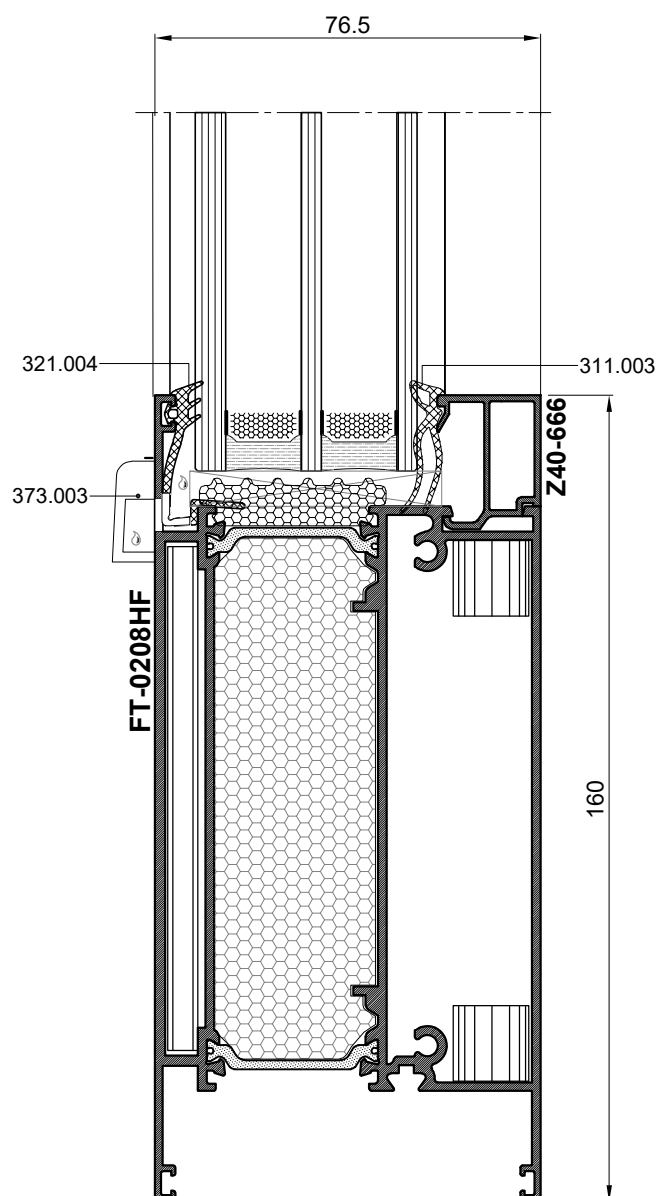
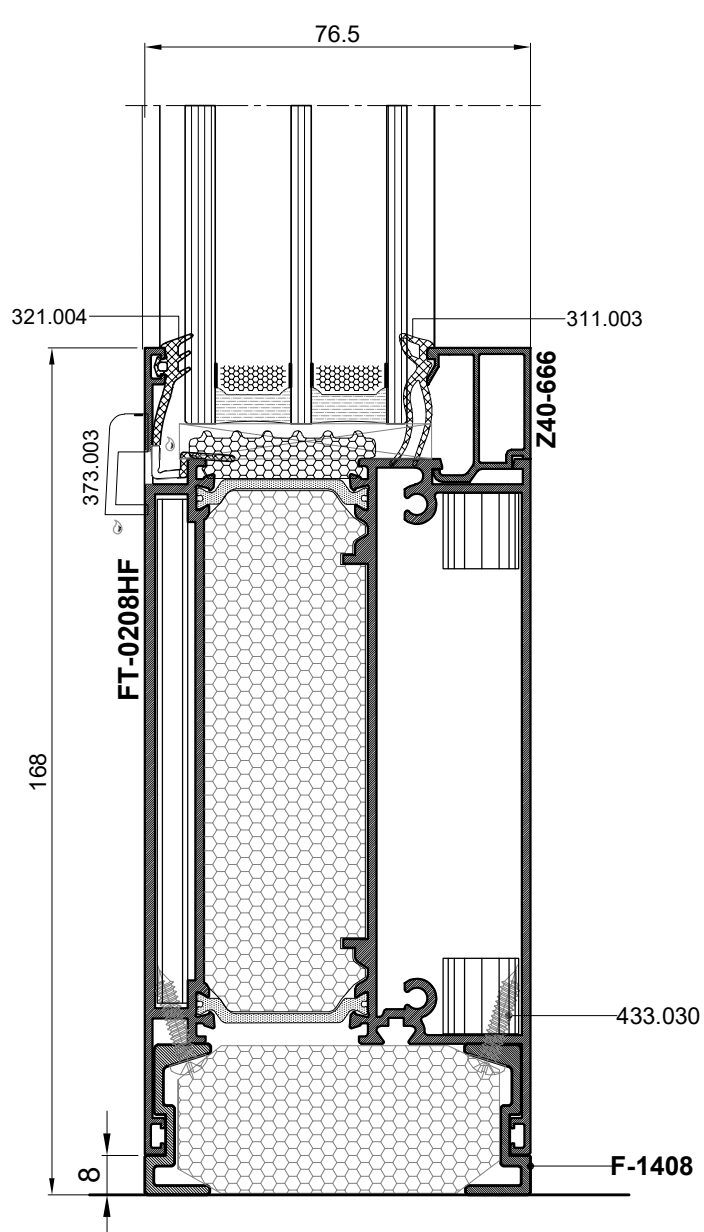
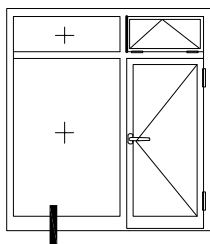
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

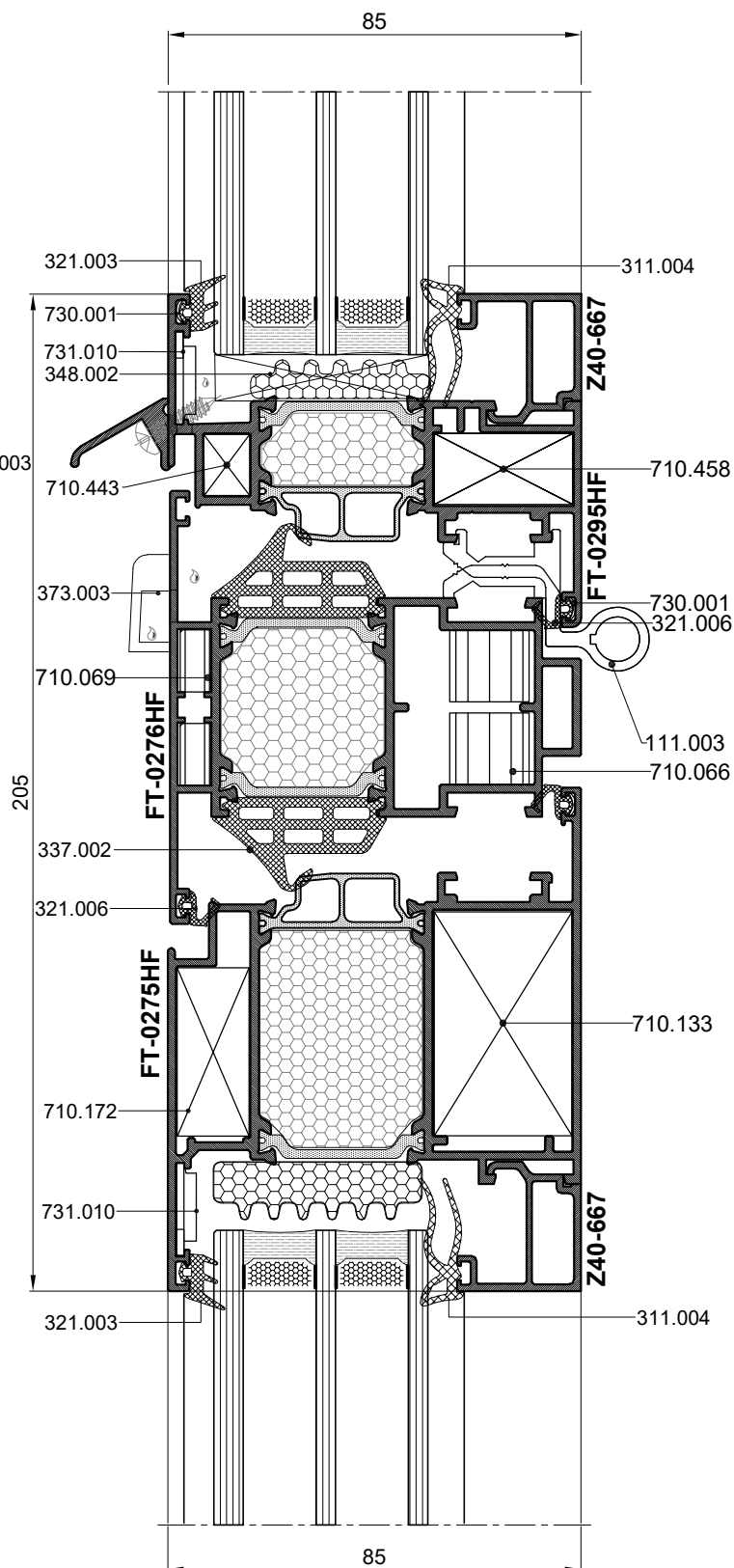
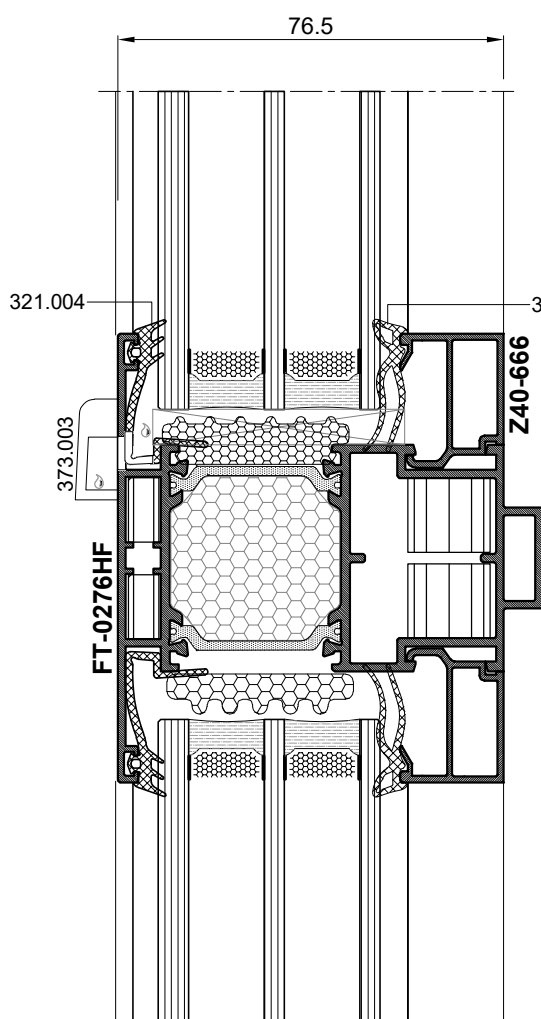
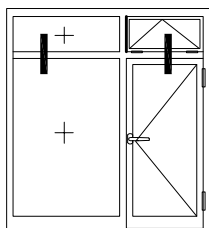


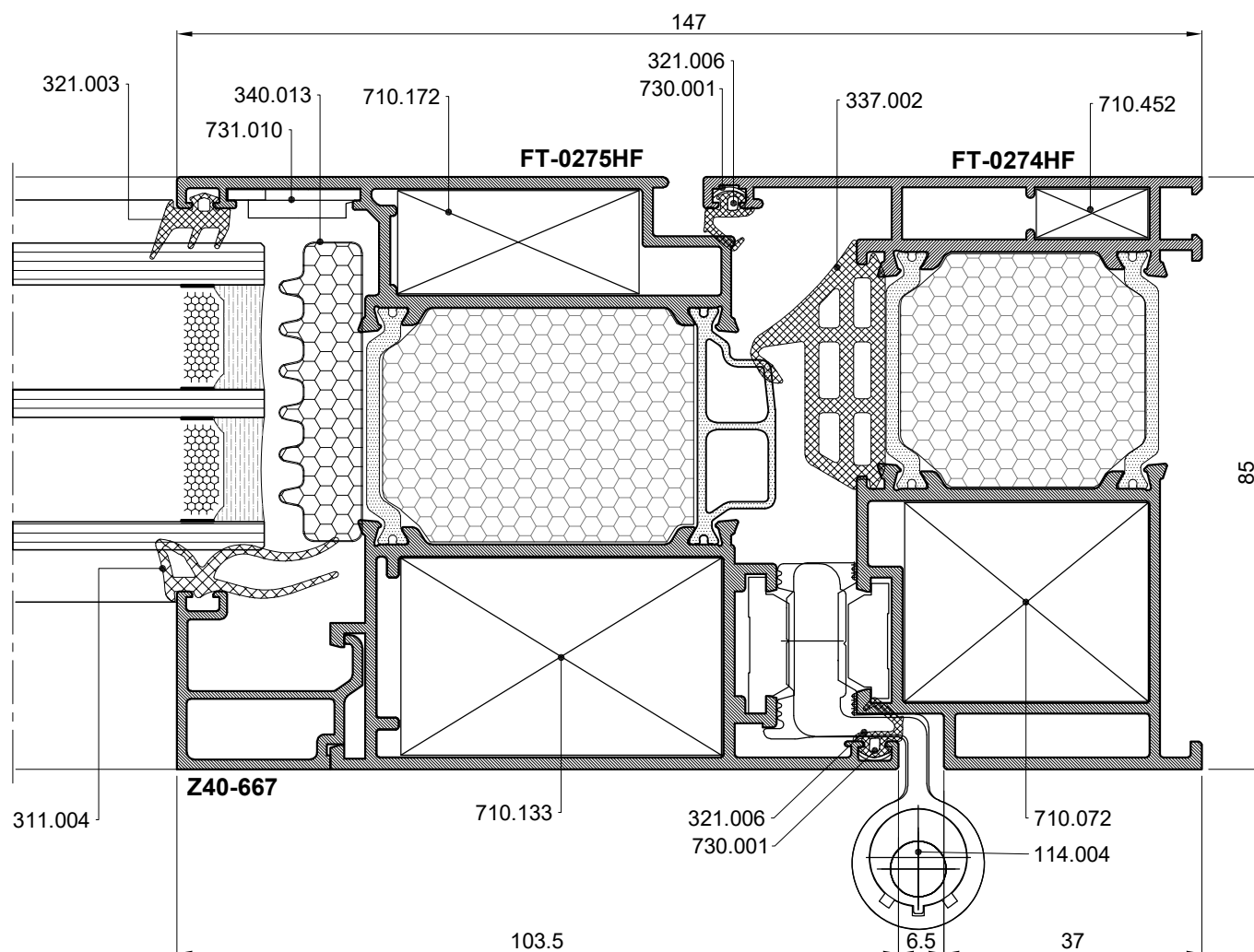
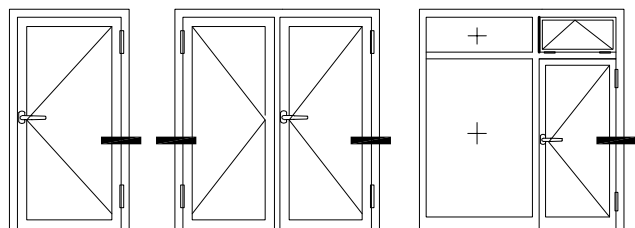
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

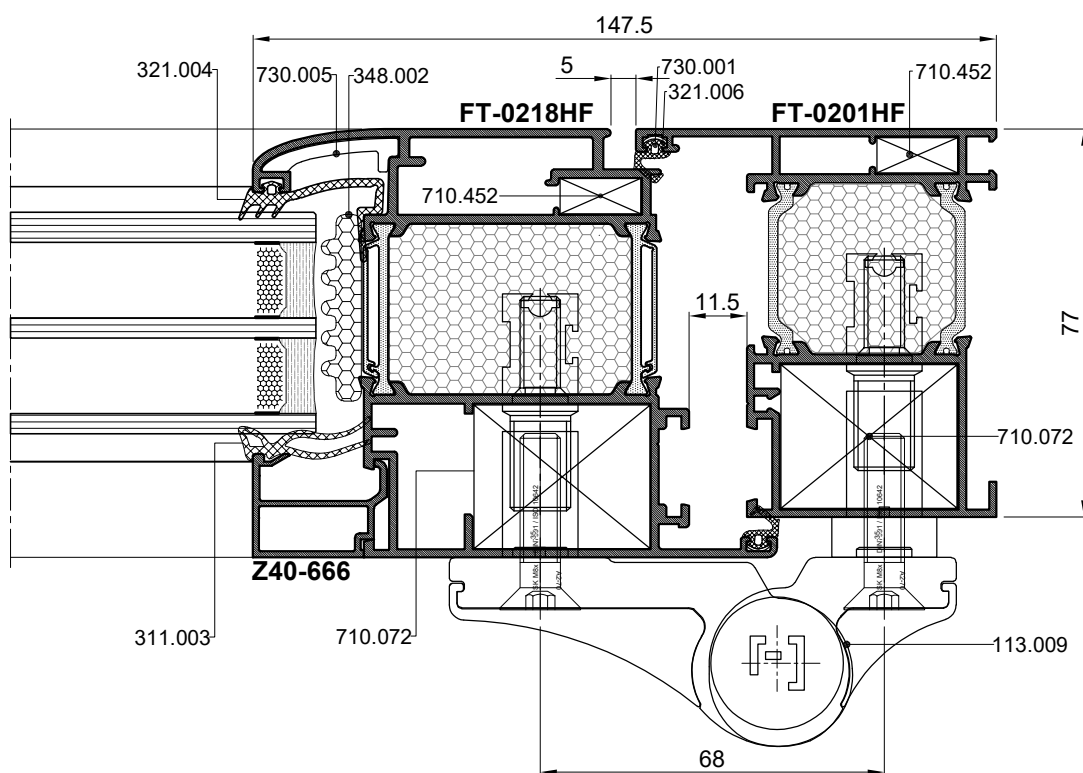
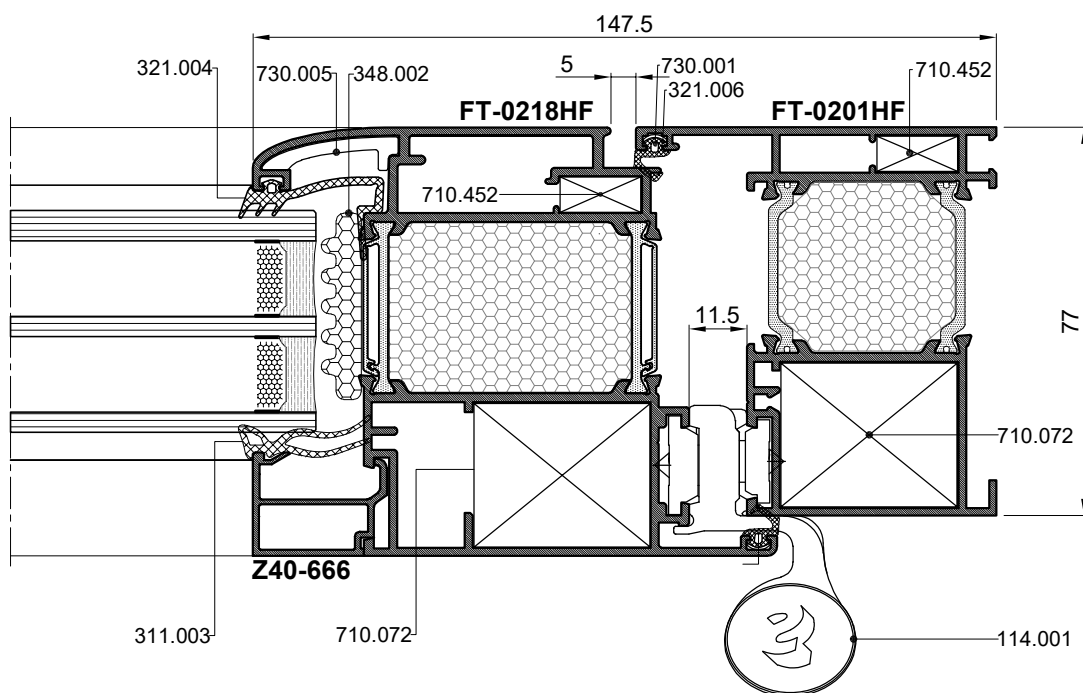
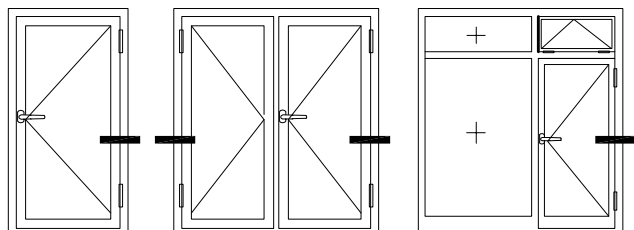


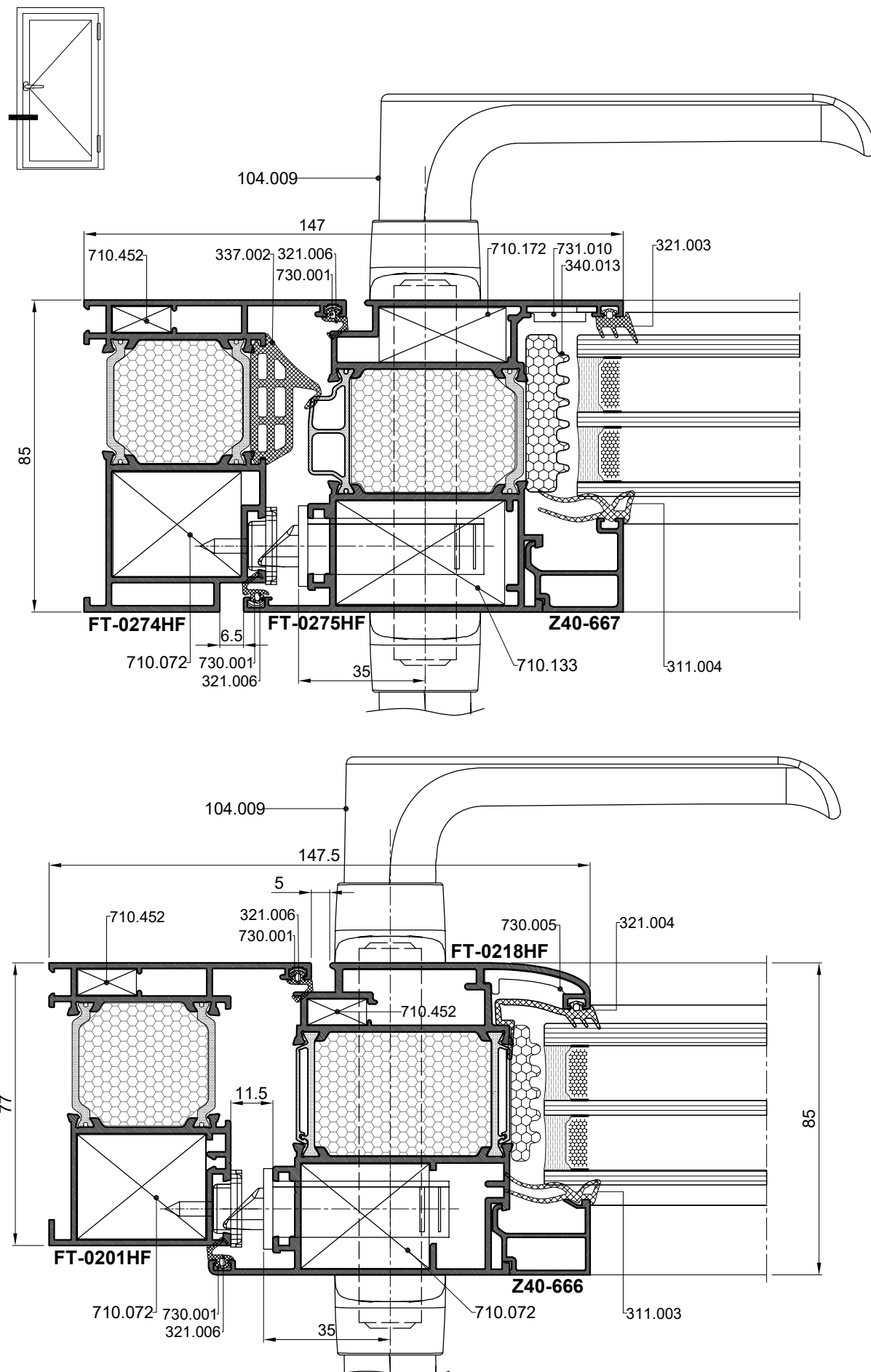


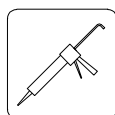
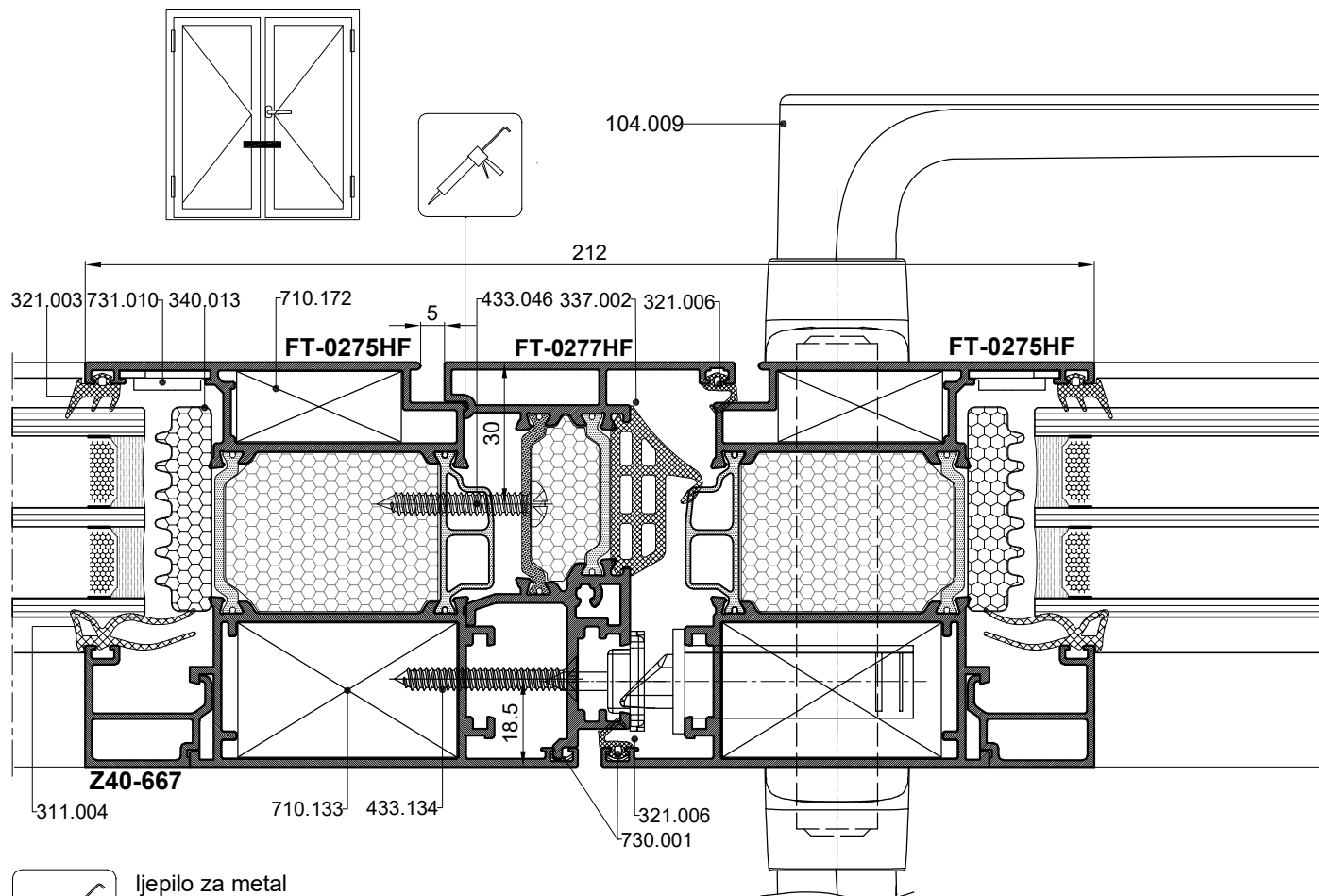




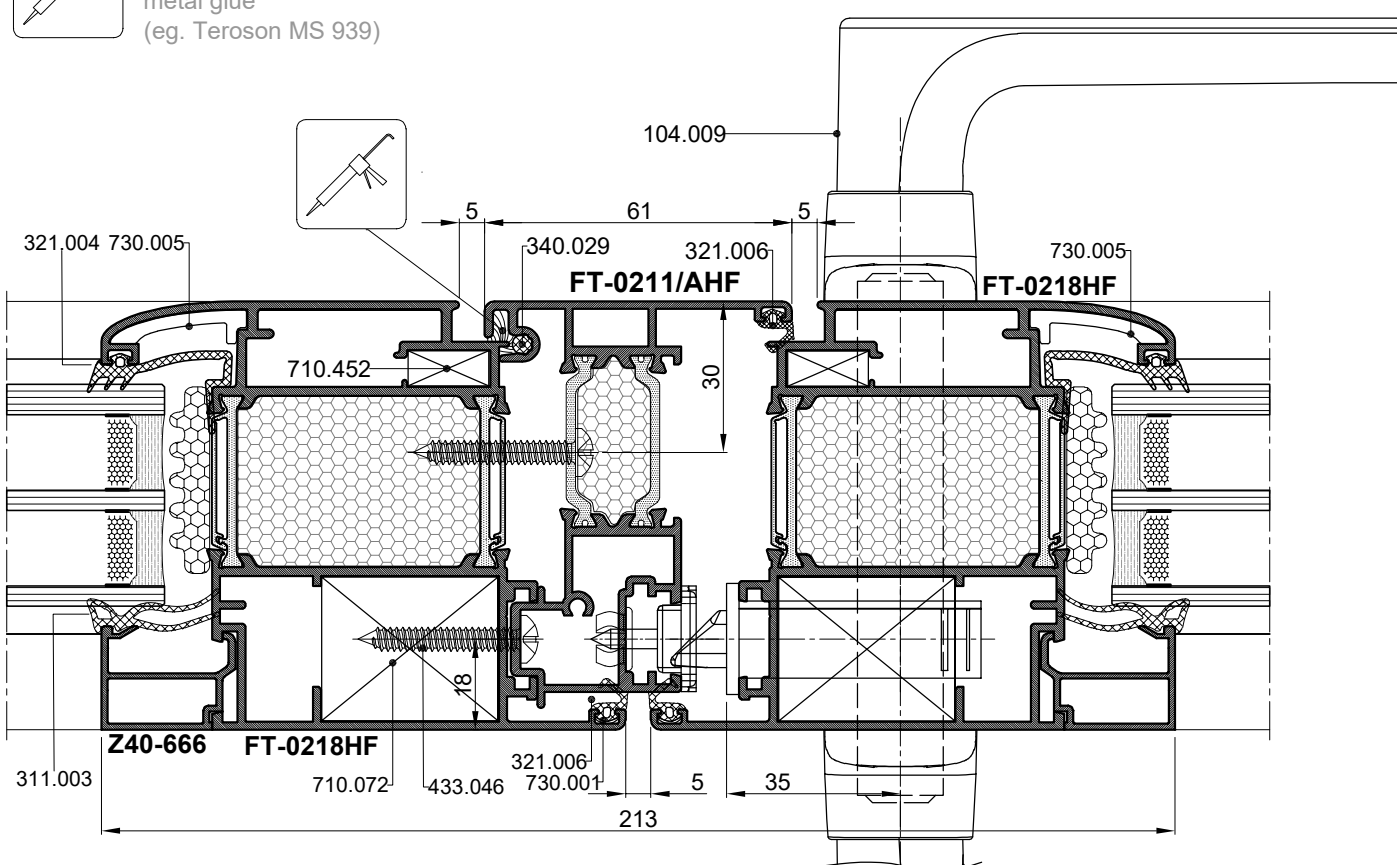


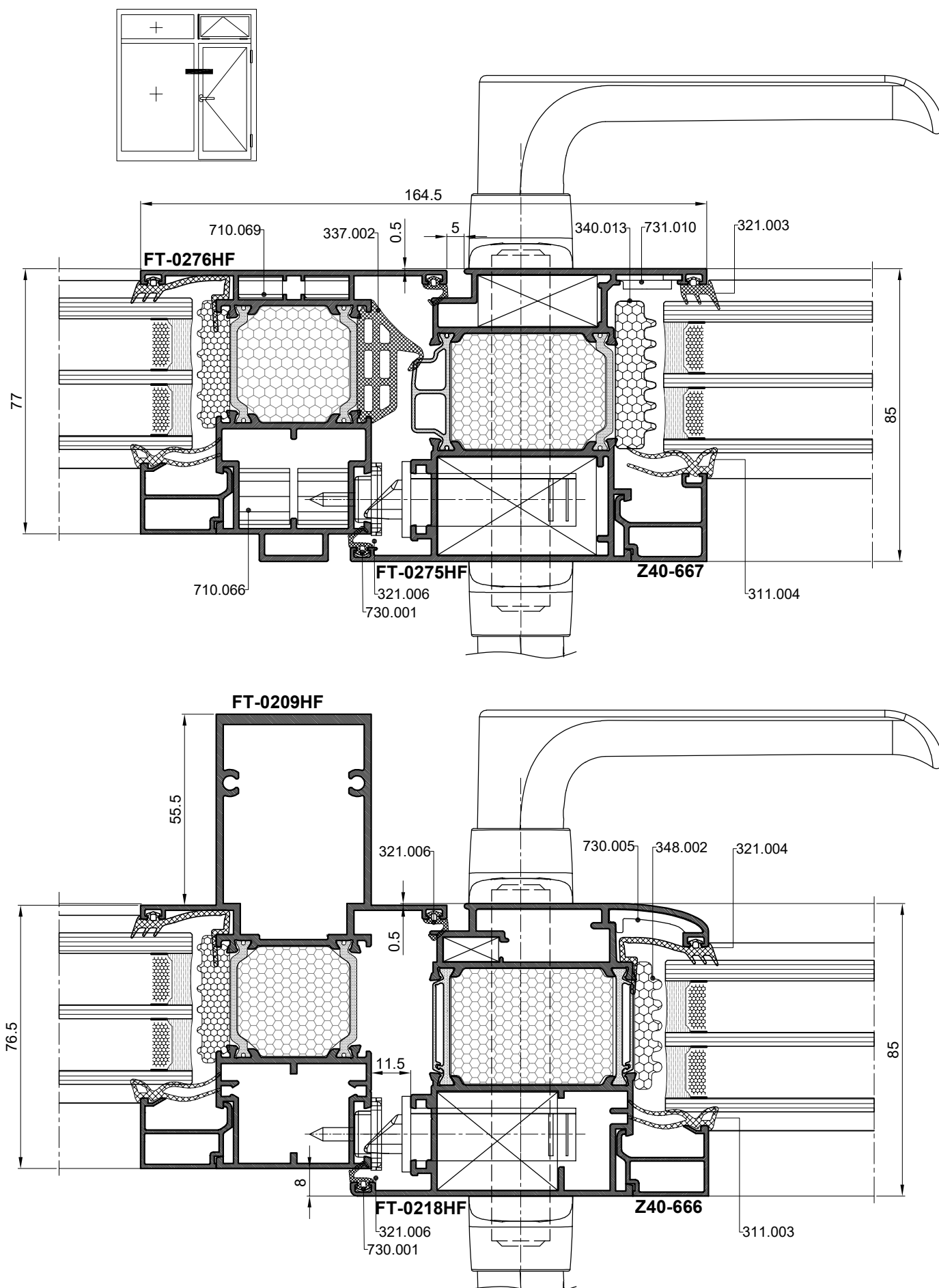




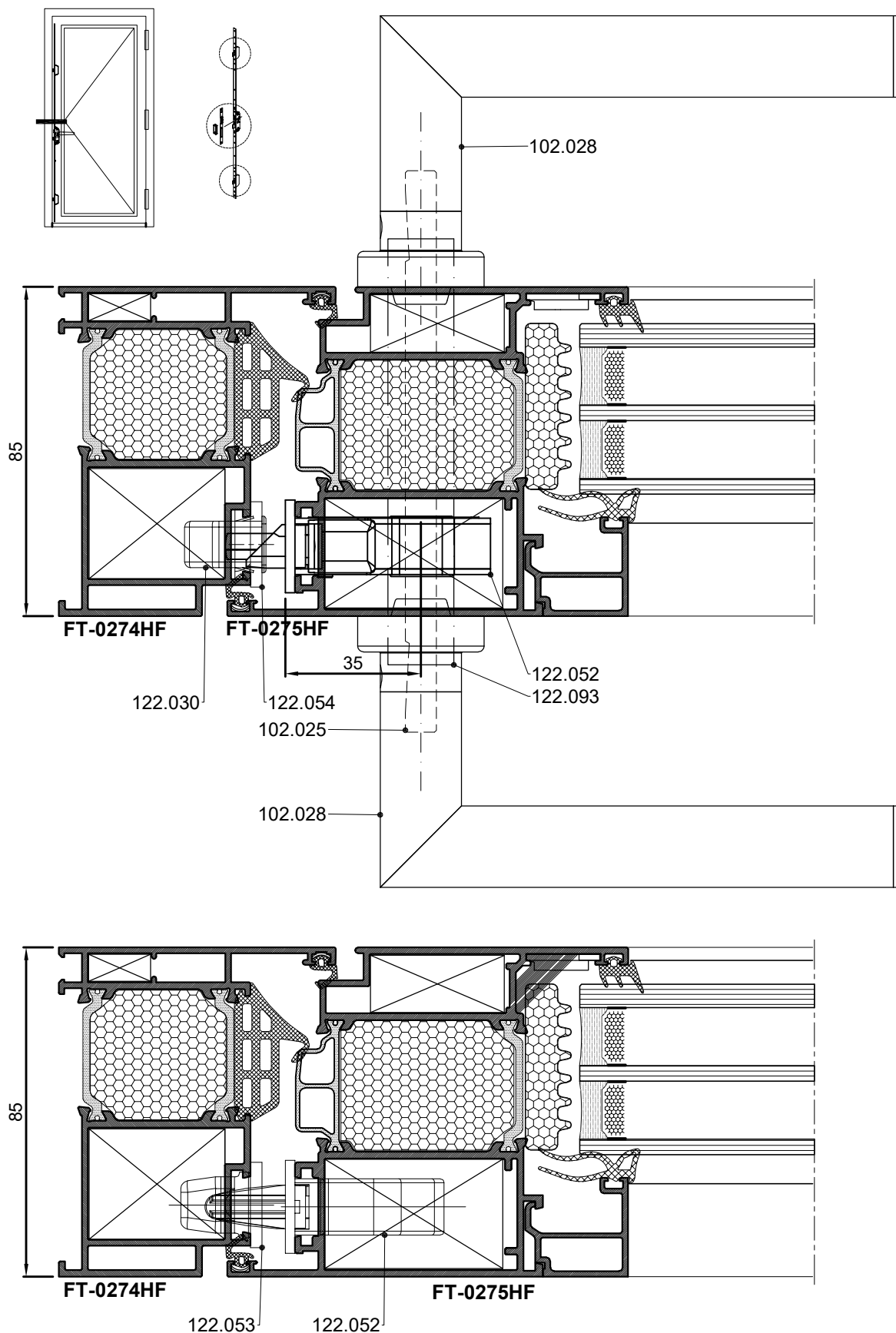


ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

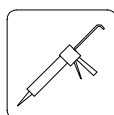
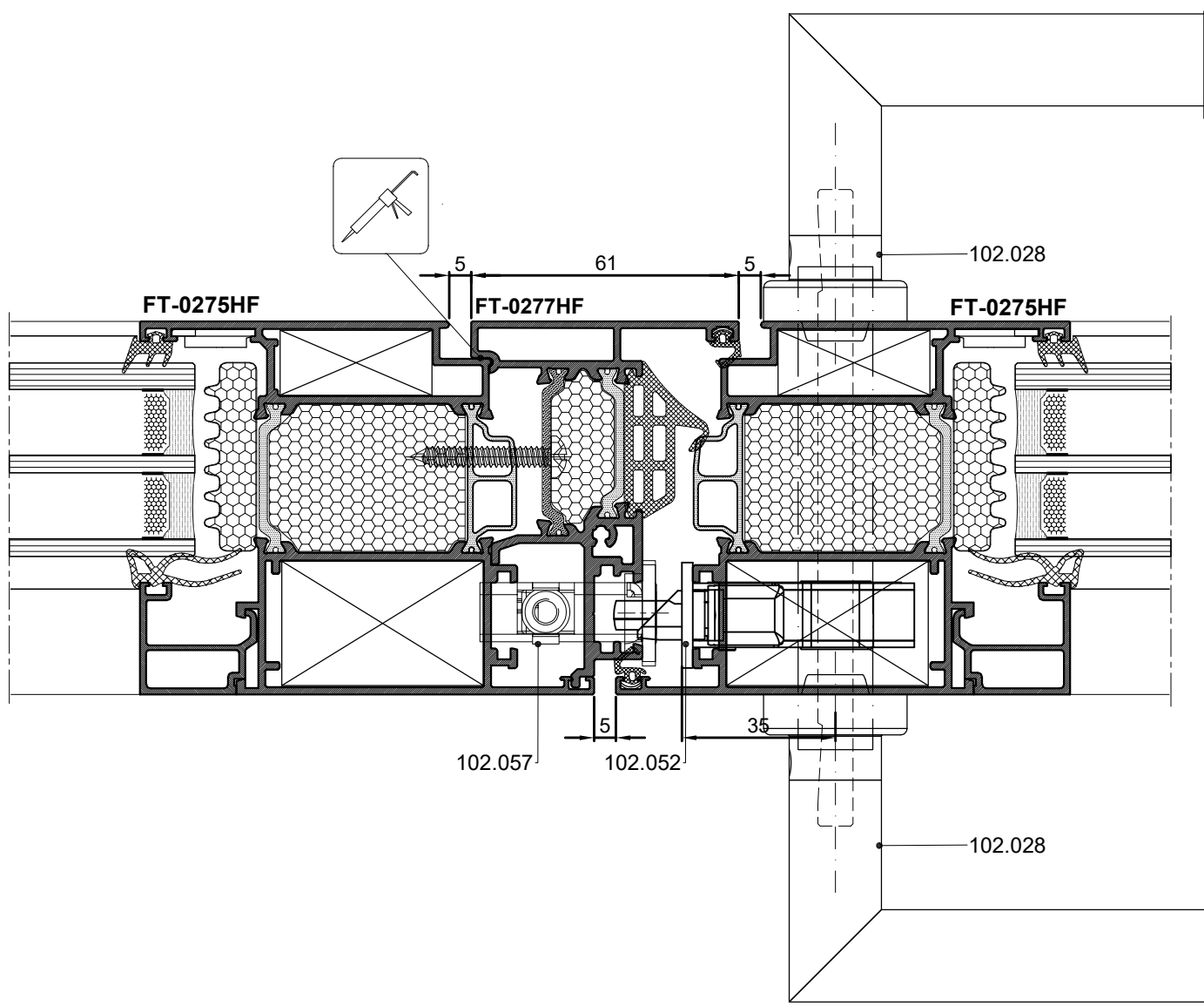
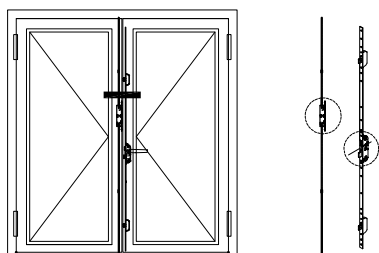




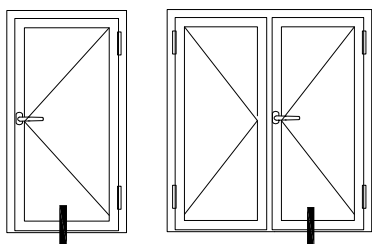
VRATA SA SIG.BRAVOM 35 mm-MR2 (GU)
DOOR WITH SIG.LOCK 35 mm-MR2 (GU)



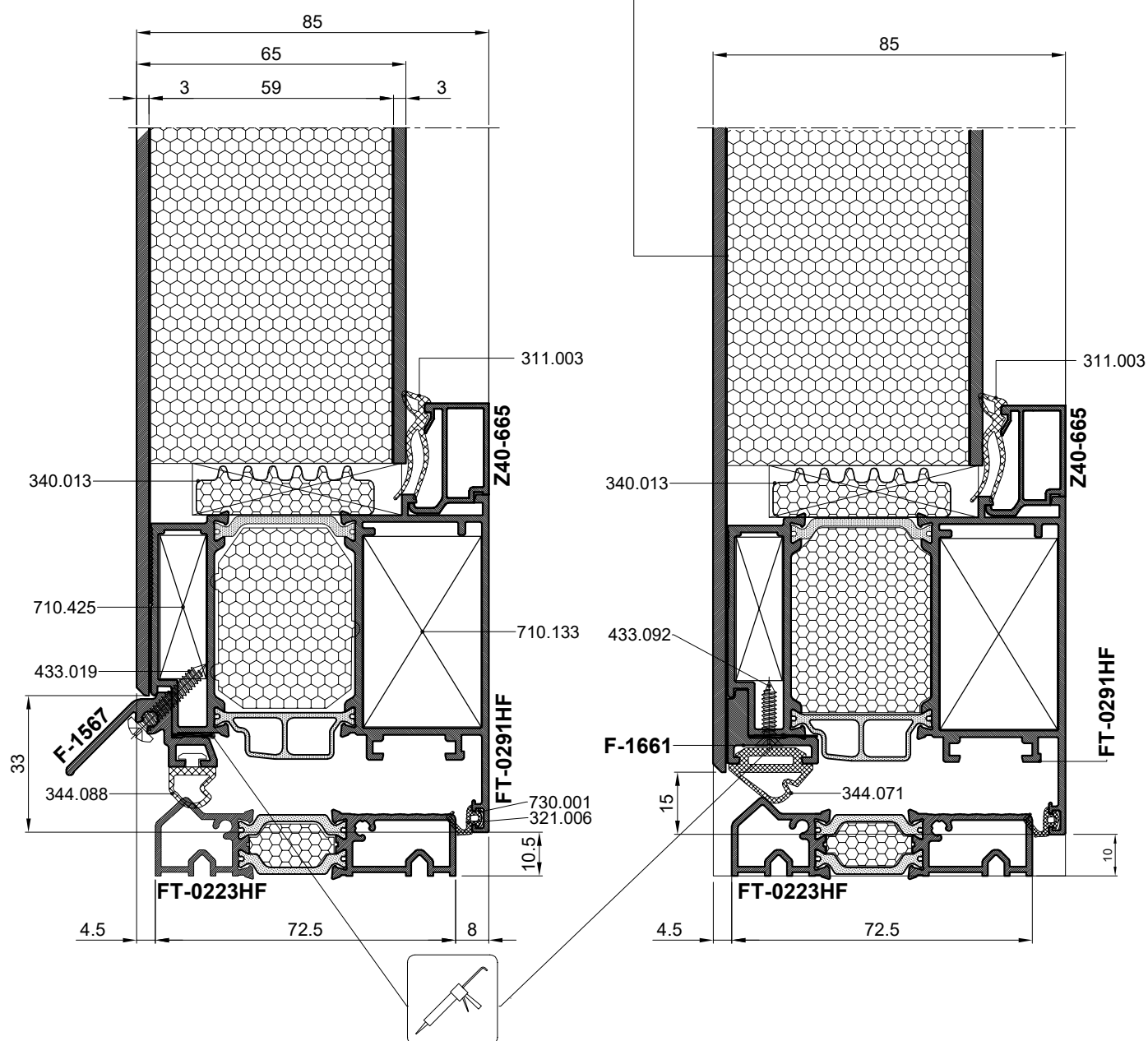
VRATA SA SIG.BRAVOM 35 mm-MR2 (GU)
DOOR WITH SIG.LOCK 35 mm-MR2 (GU)



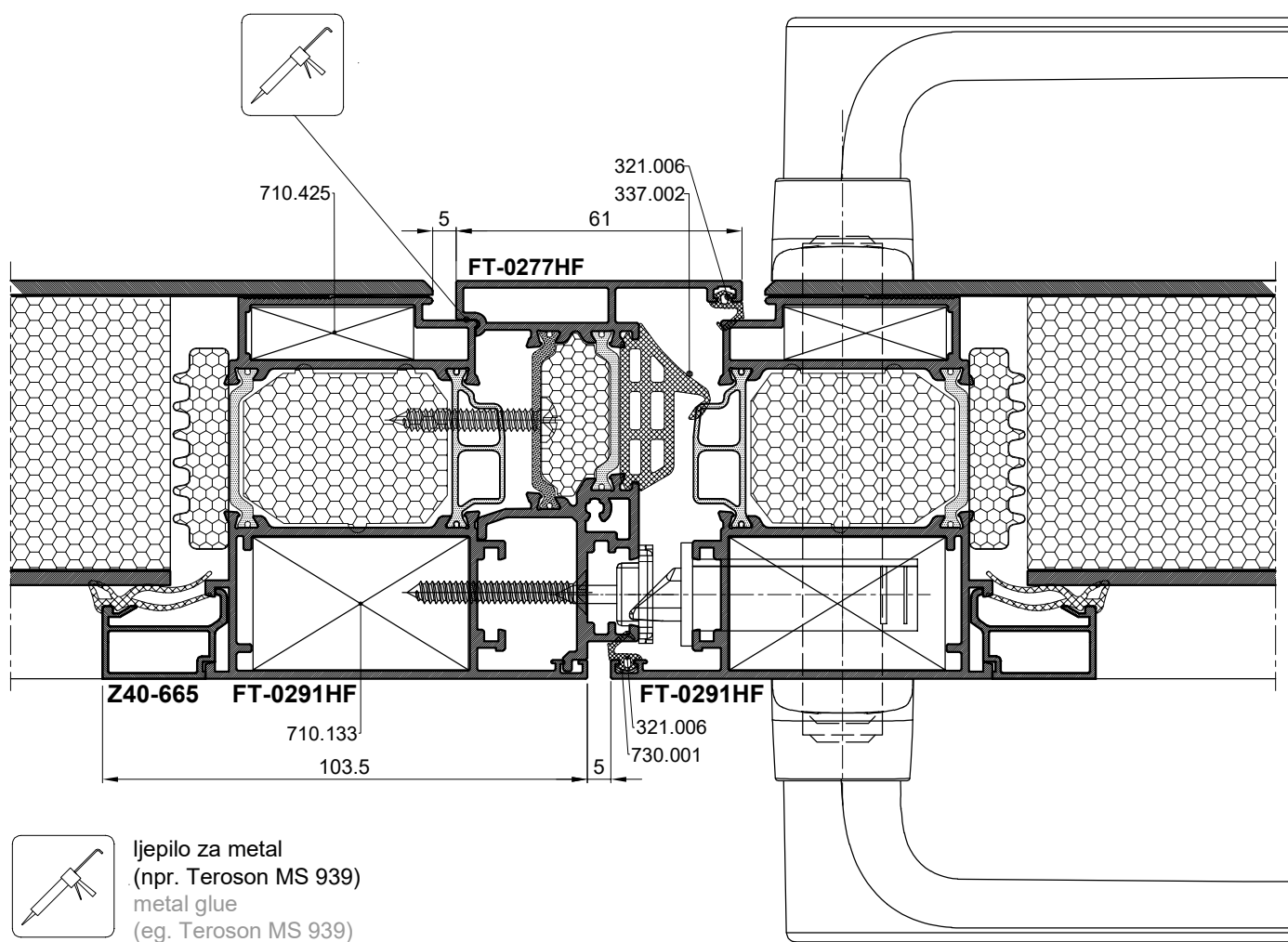
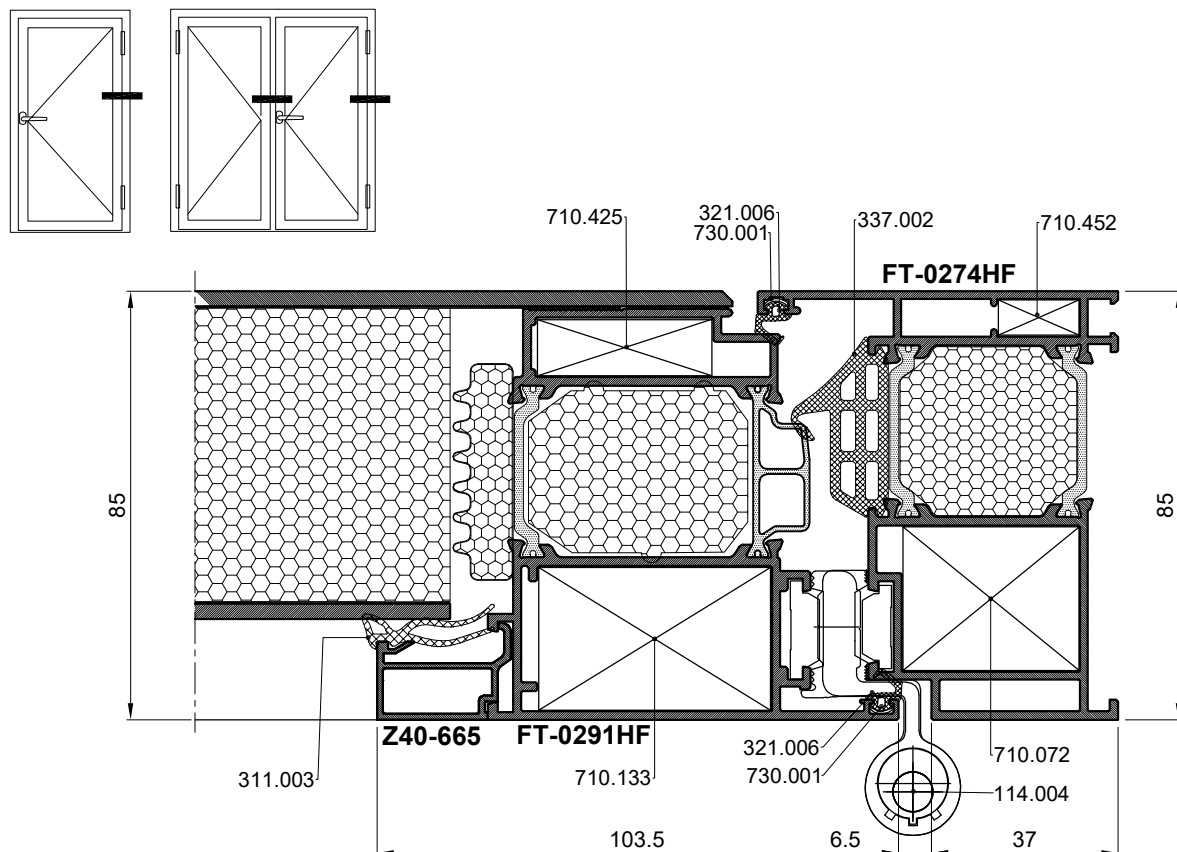
lijepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

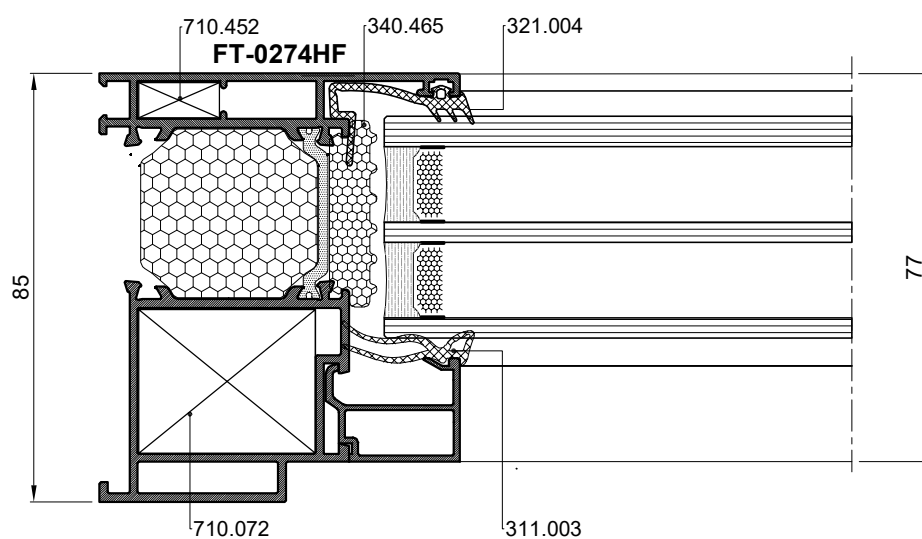
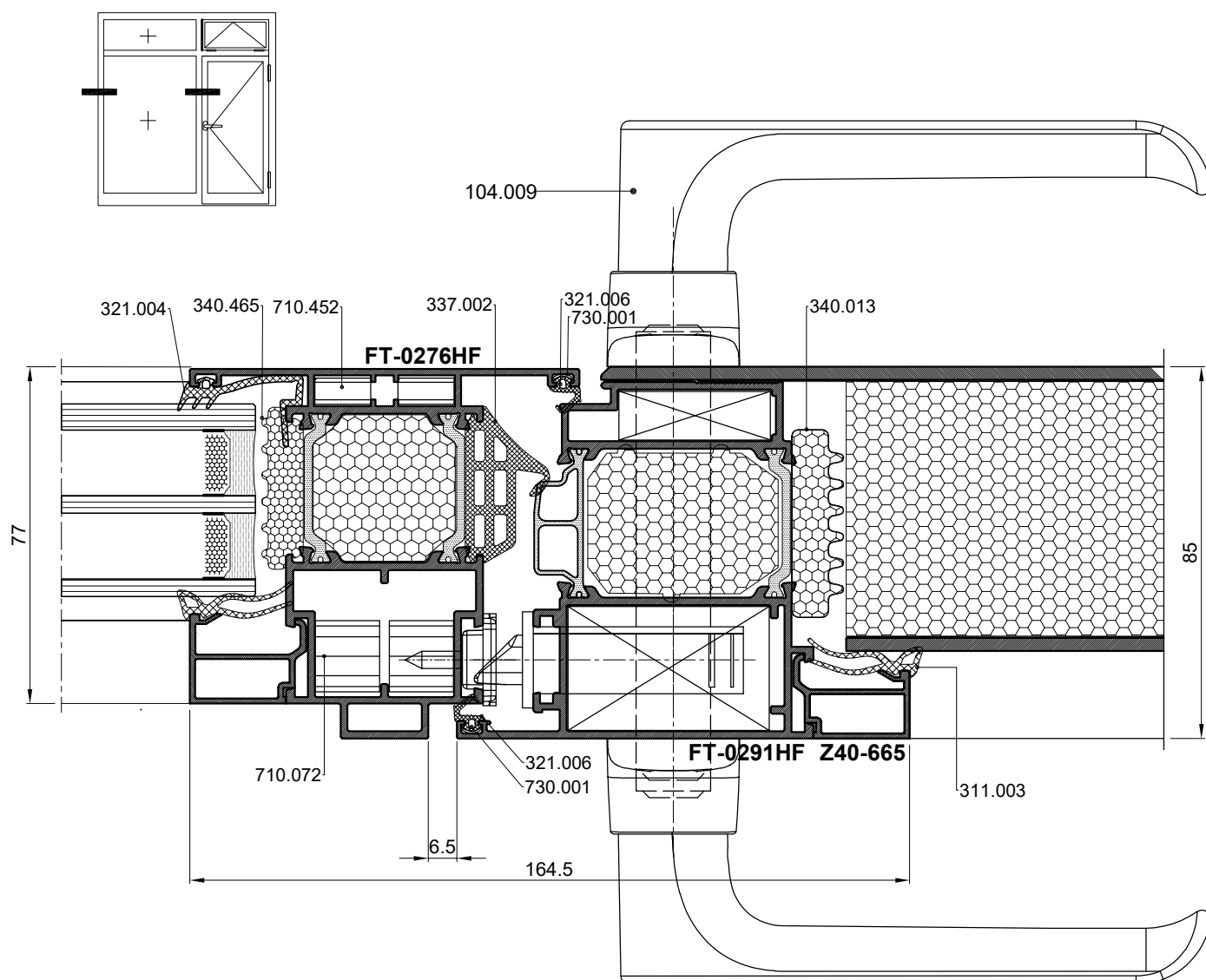


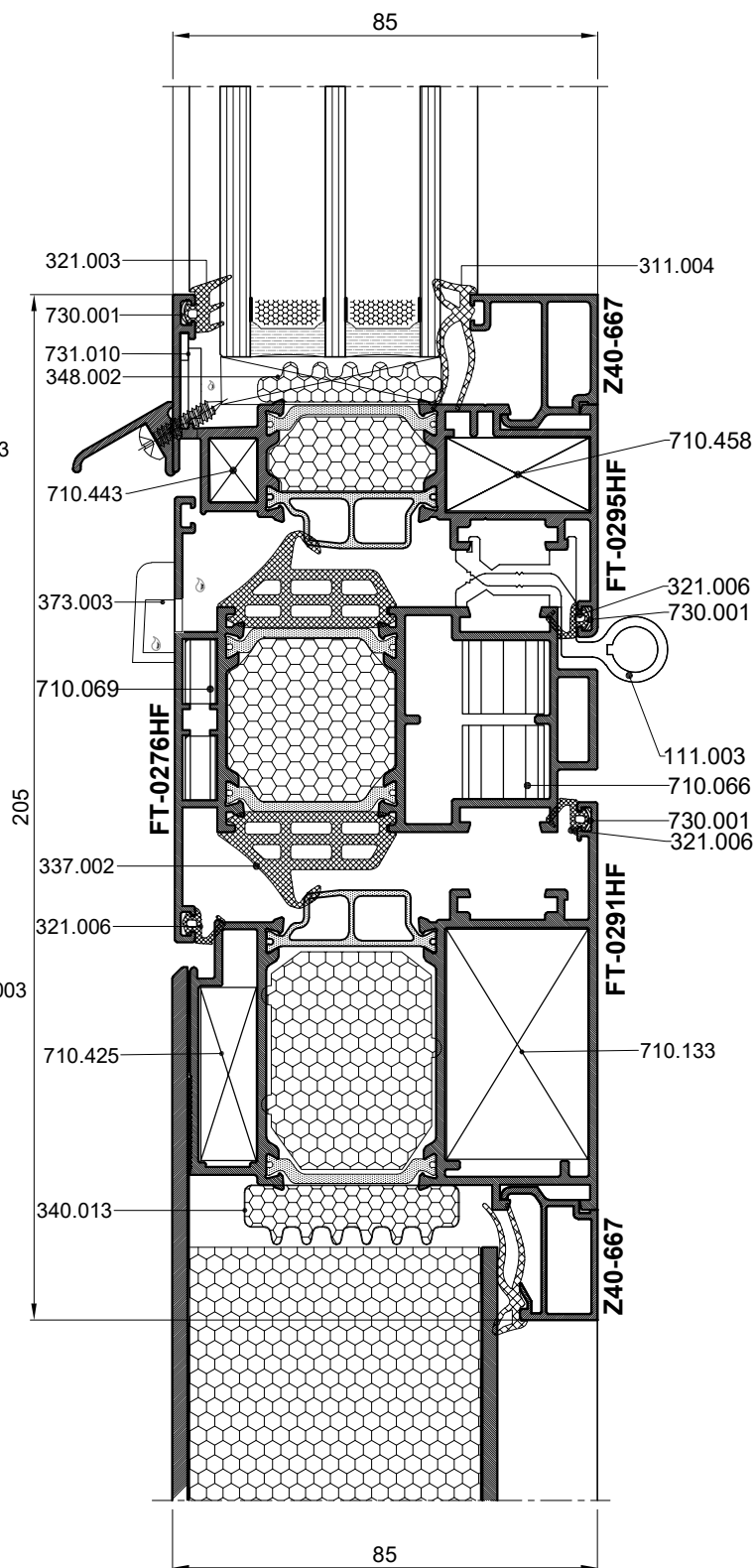
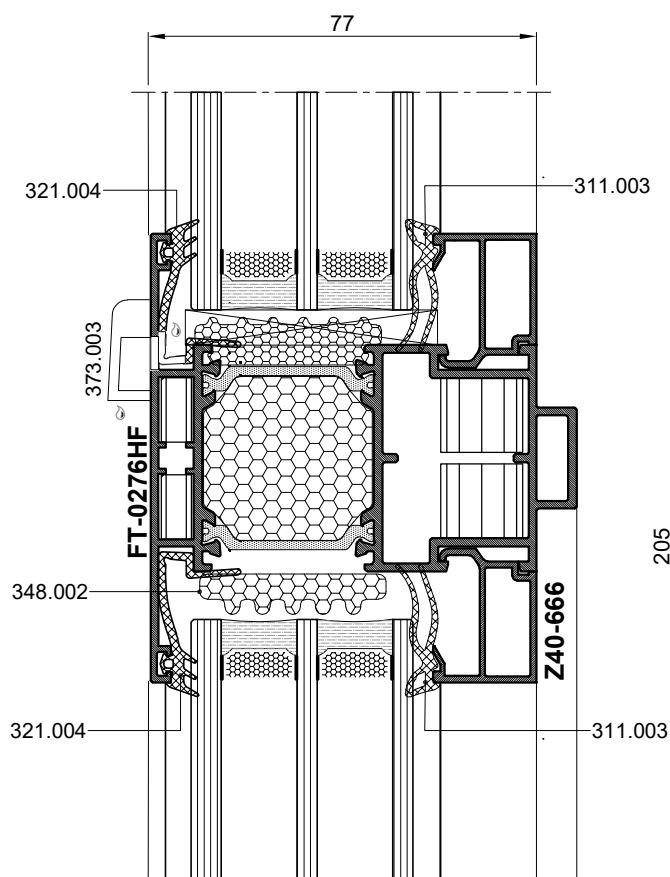
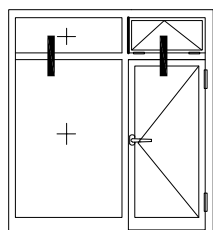
Terostat T-8519-primer-414.001
 Terostat MS 9399 (Loctite)-ljepilo-414.002
 Terostat T-8519P-primer-414.001
 Terostat MS 9399 (Loctite)-adhesive-414.002

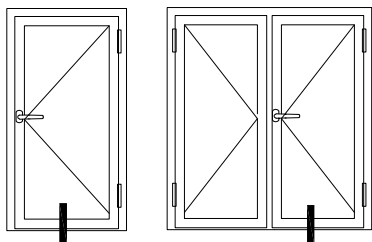


ljepilo za metal
 (npr. Teroson MS 939)
 metal glue
 (eg. Teroson MS 939)

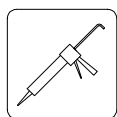
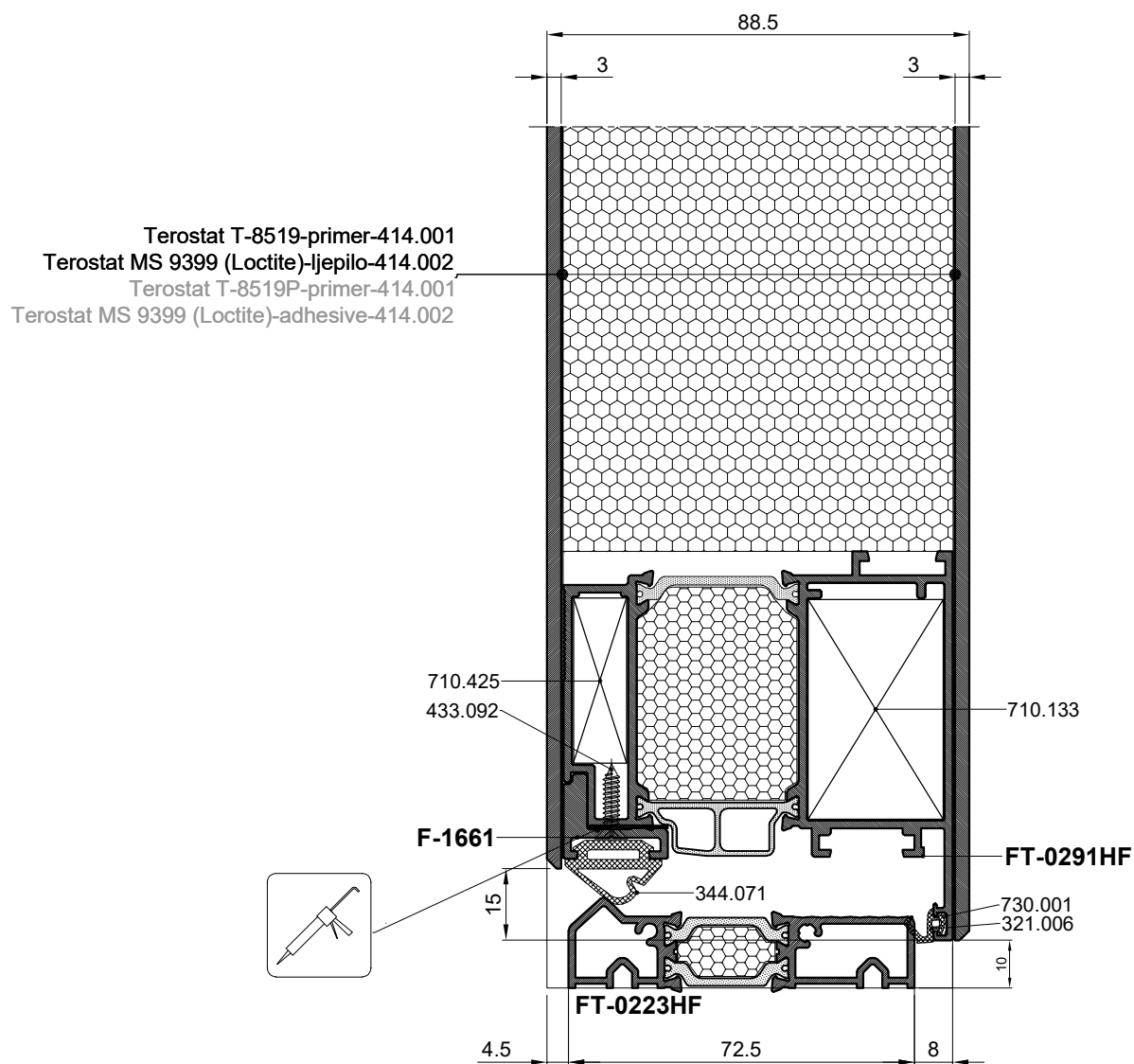




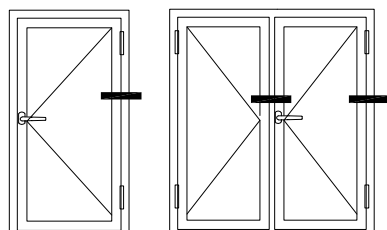




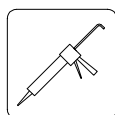
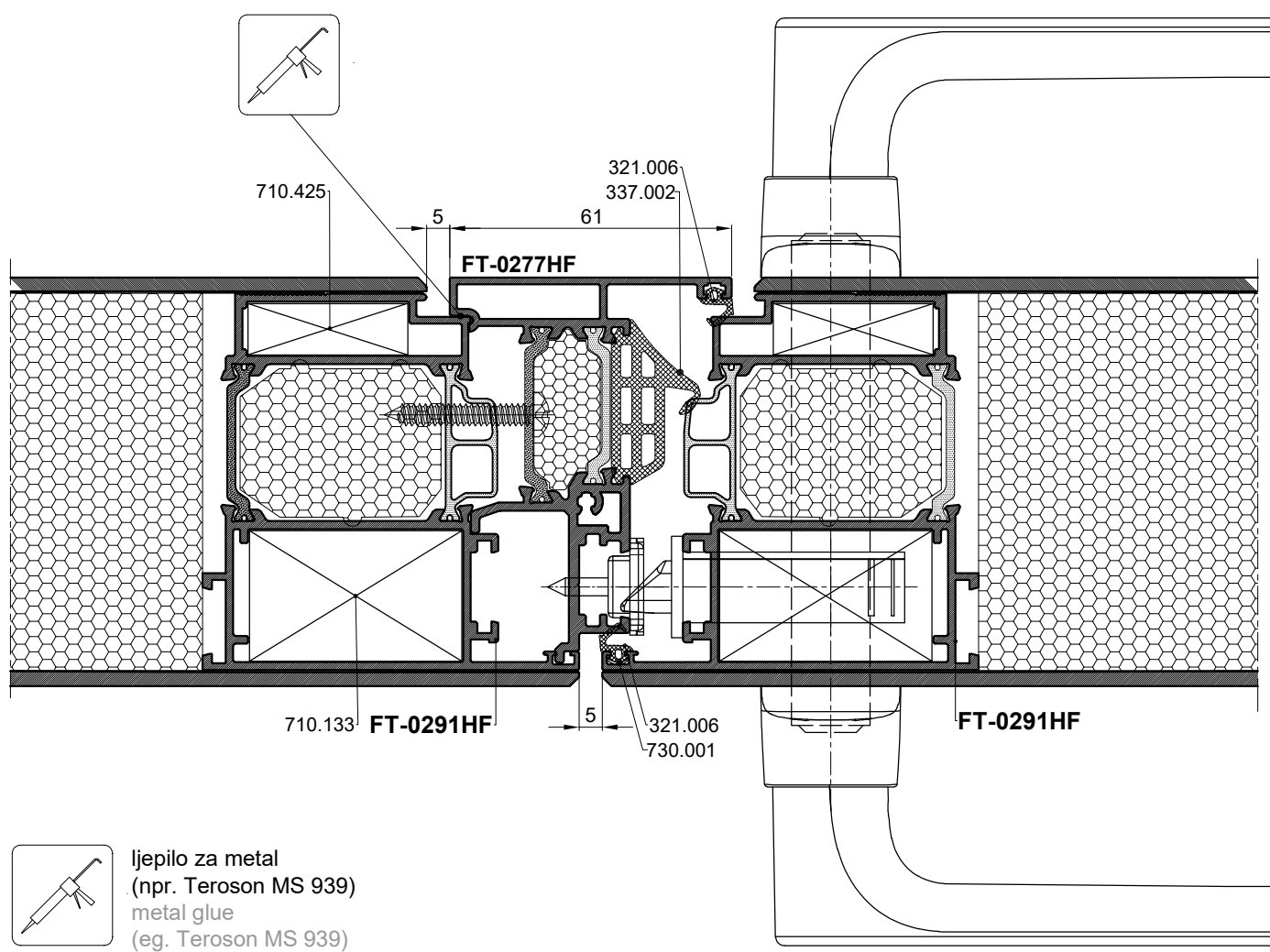
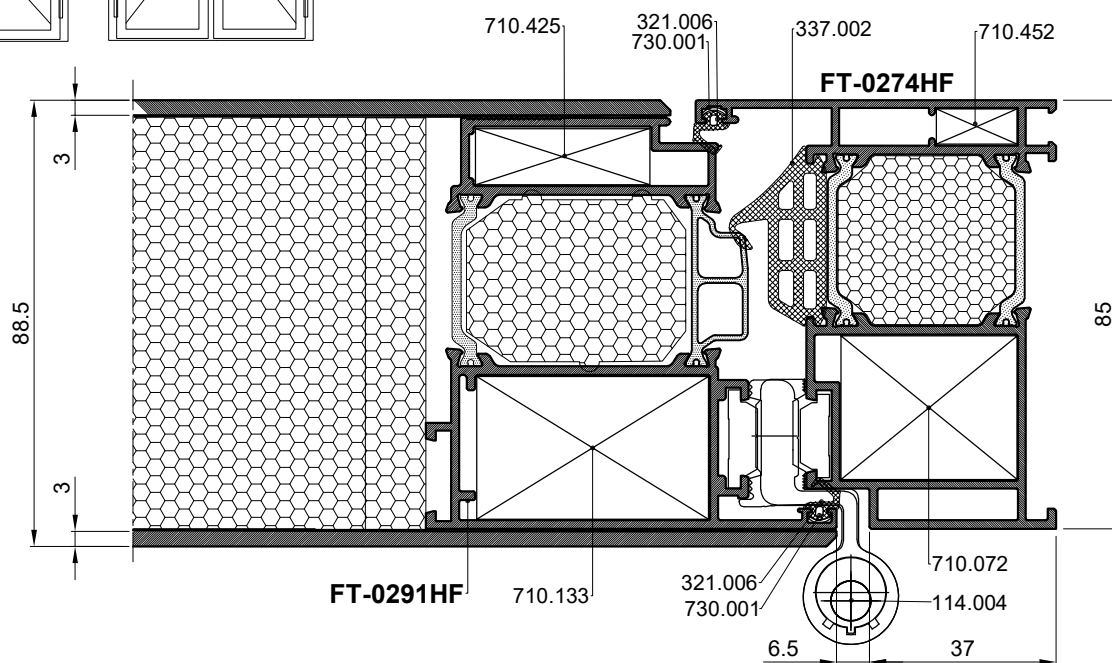
VRATA SA OBOSTRANOM OBLOGOM
DOOR WITH DOUBLE-SIDED LINING



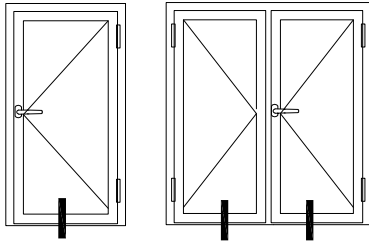
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)



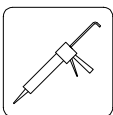
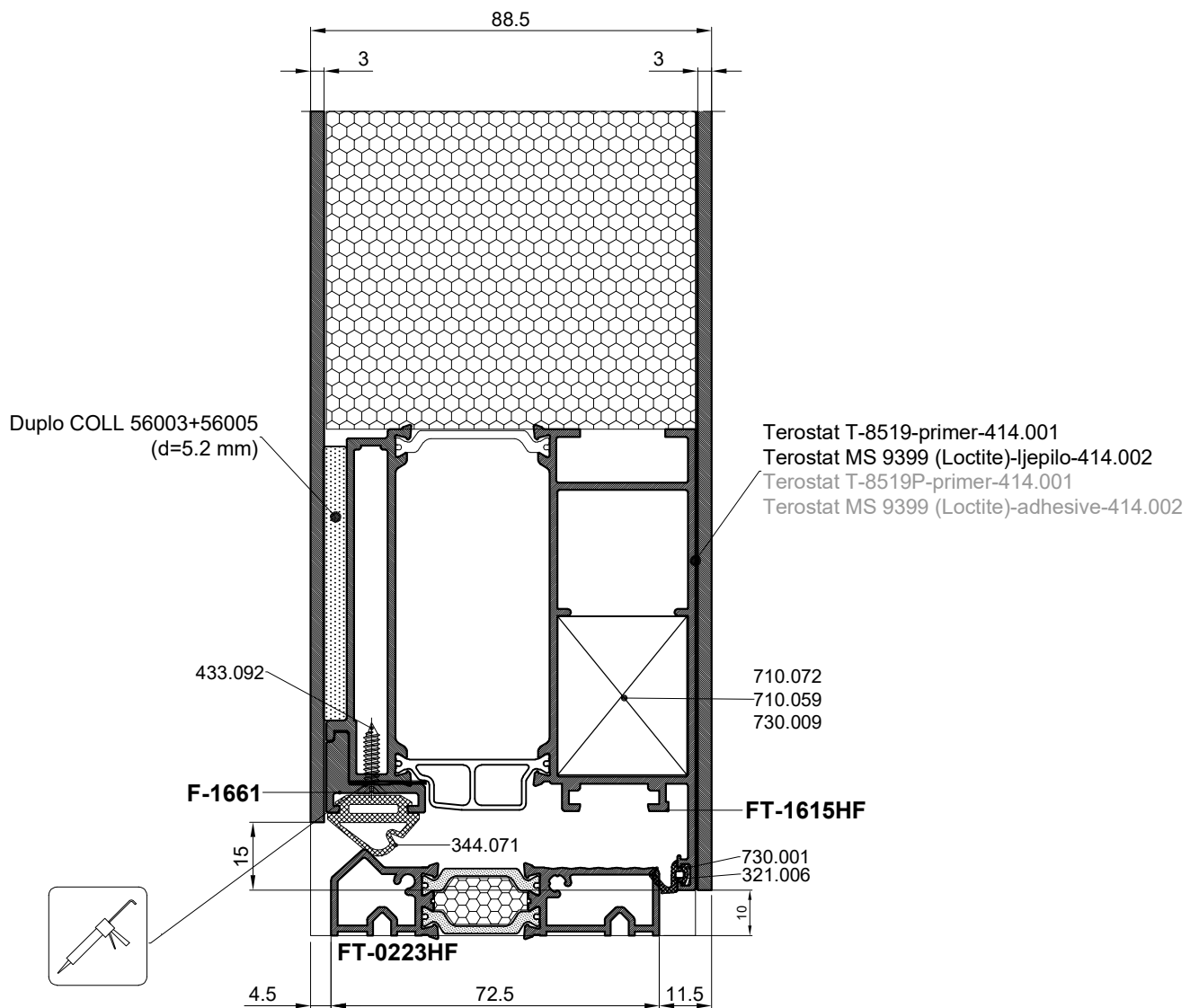
VRATA SA OBOSTRANOM OBLOGOM
DOOR WITH DOUBLE-SIDED LINING



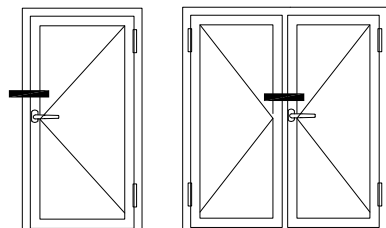
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)



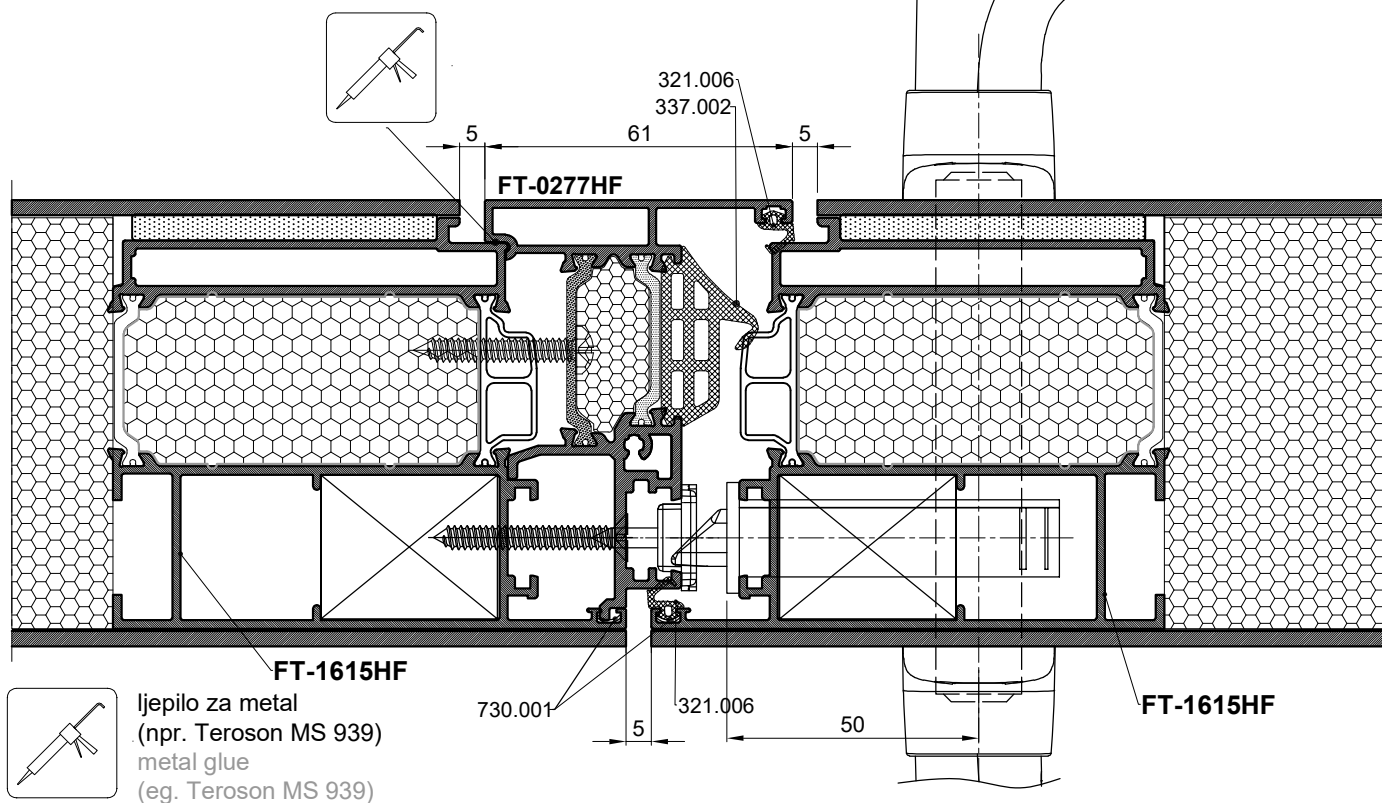
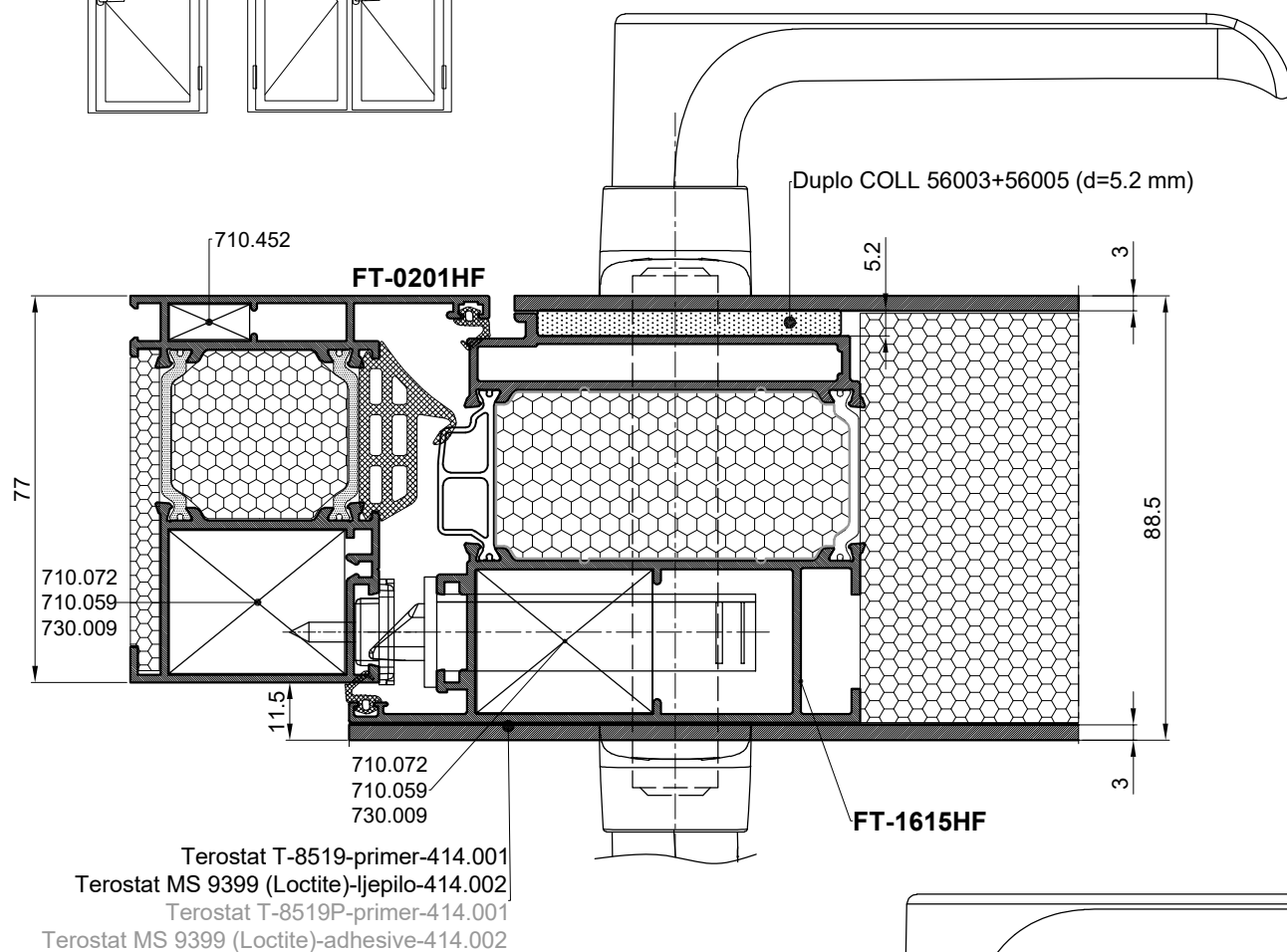
VRATA SA OBOSTRANOM OBLOGOM
DOOR WITH DOUBLE-SIDED LINING

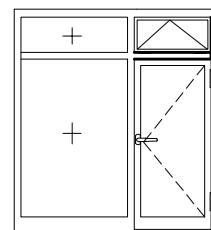
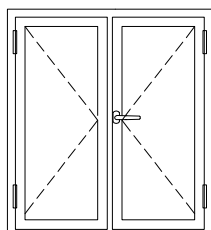
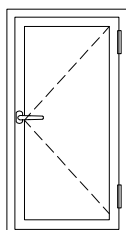


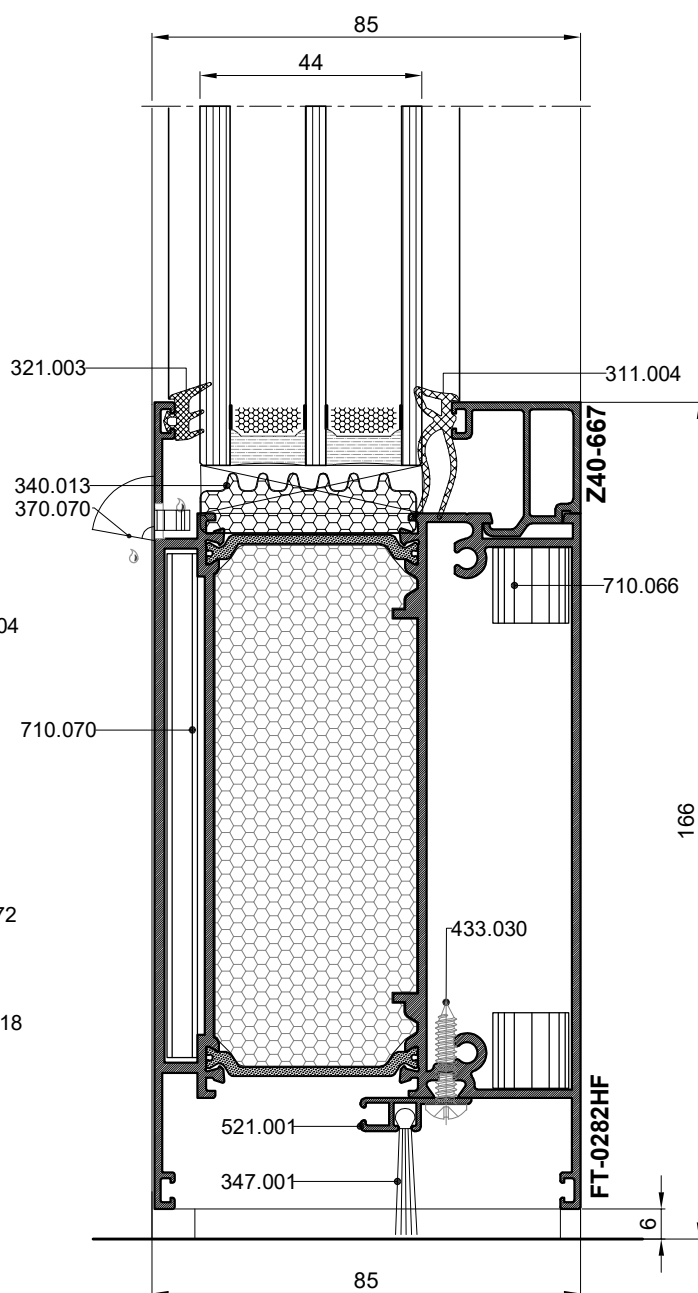
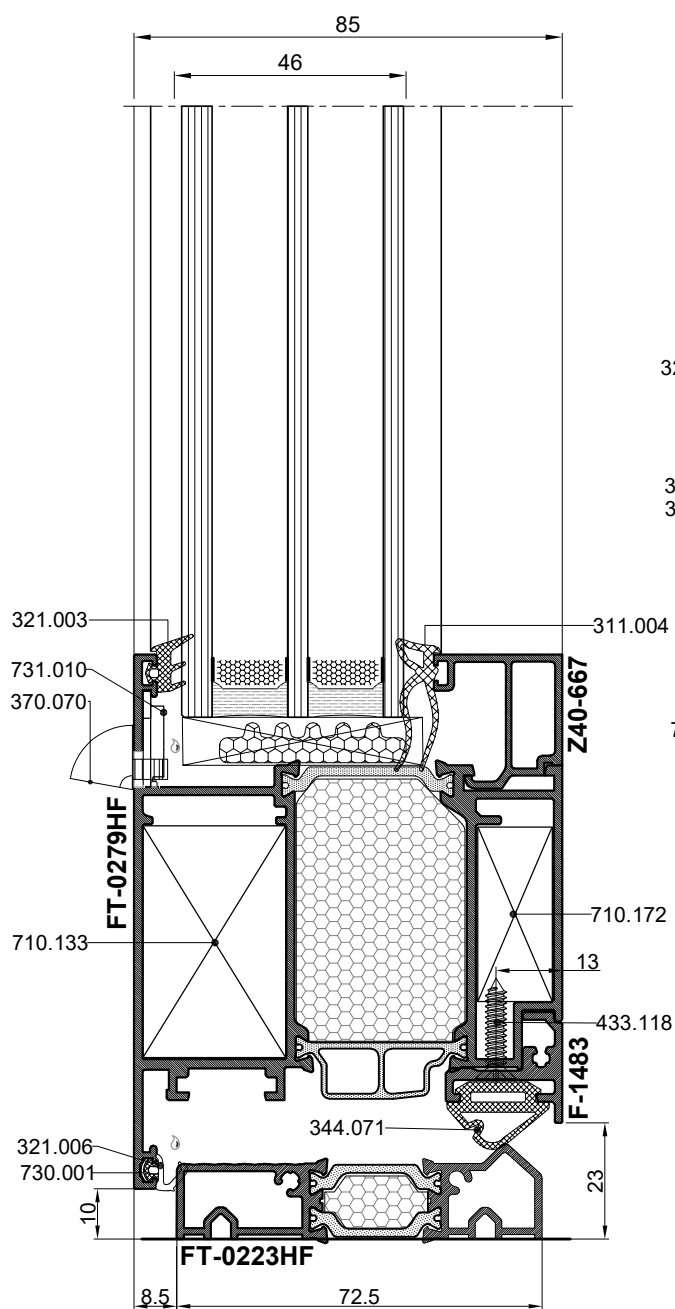
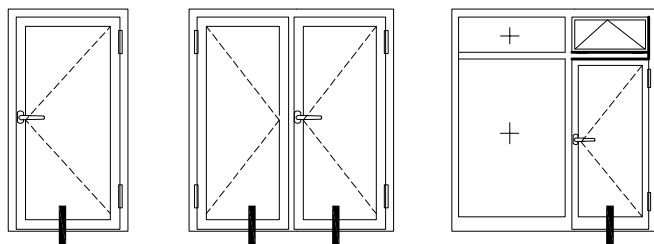
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

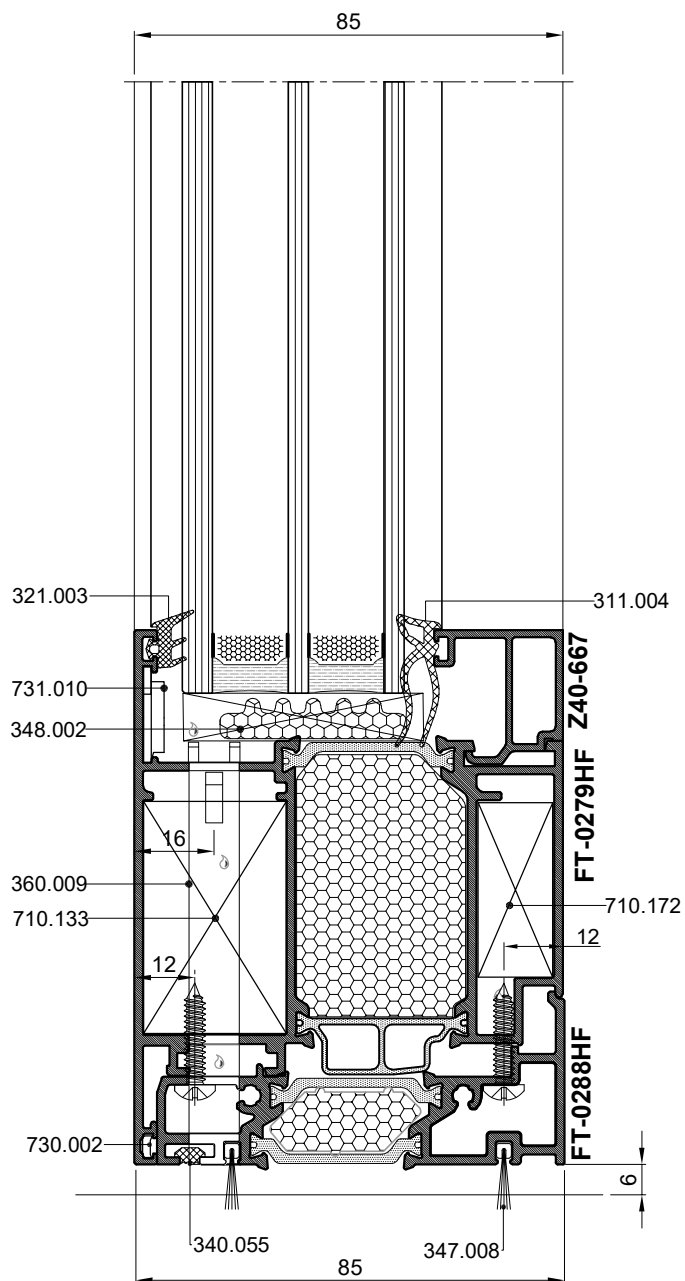
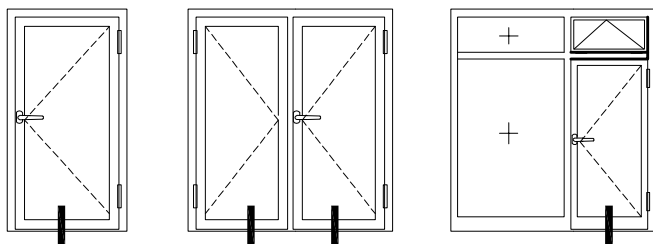


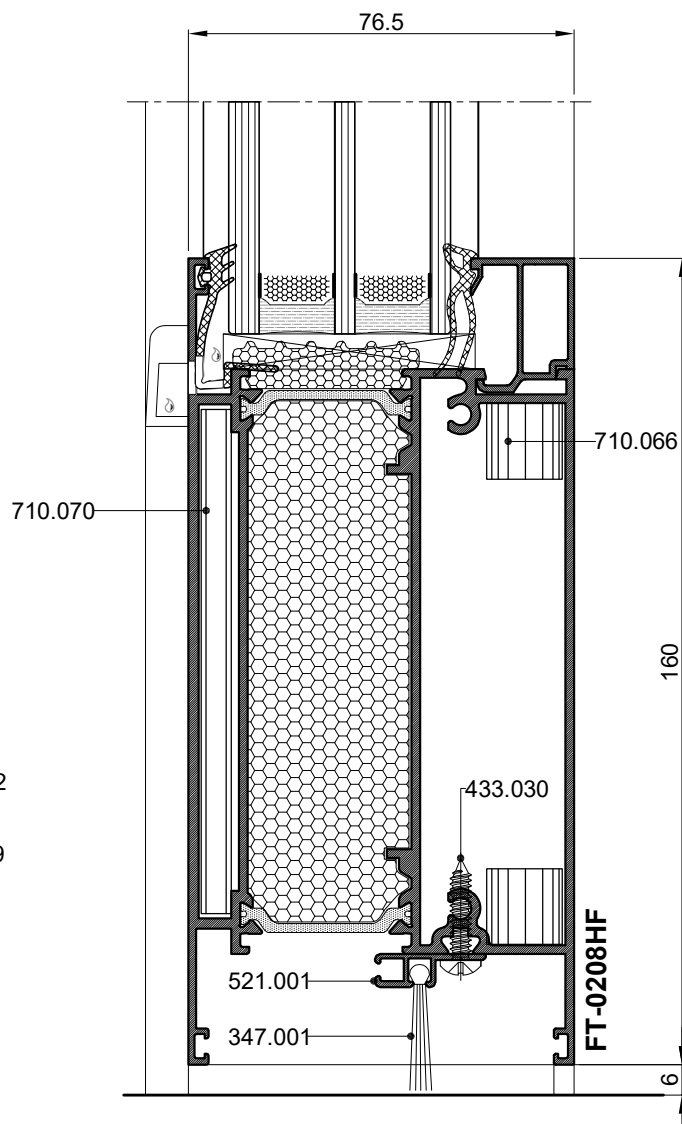
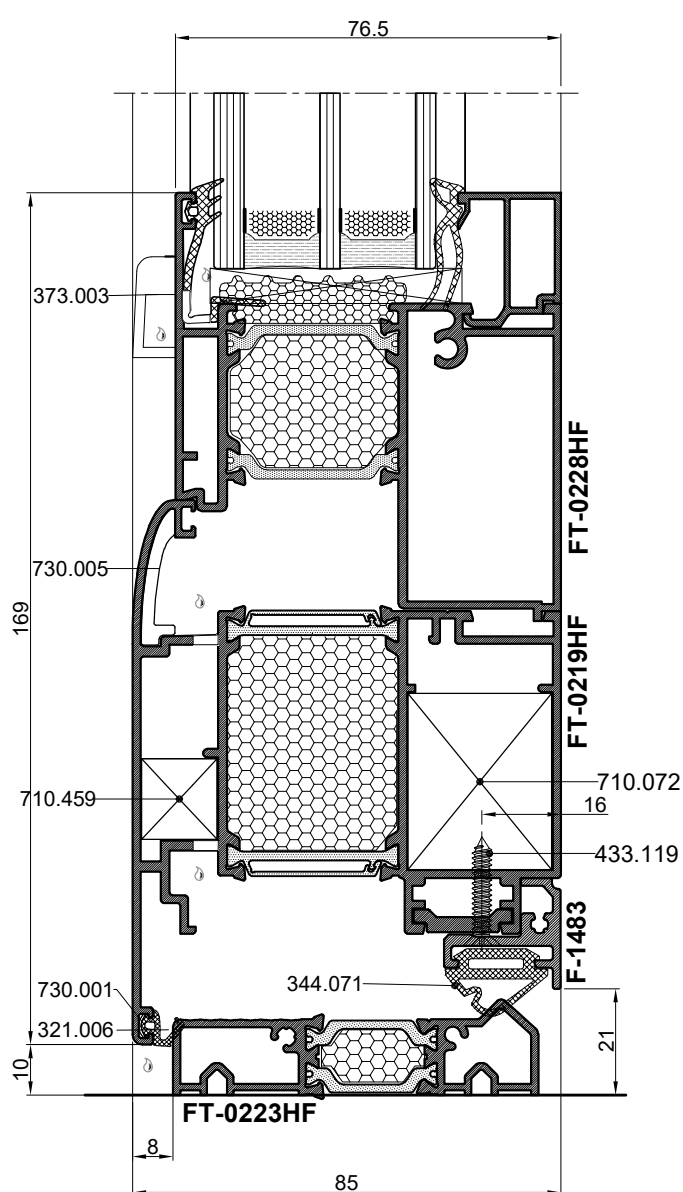
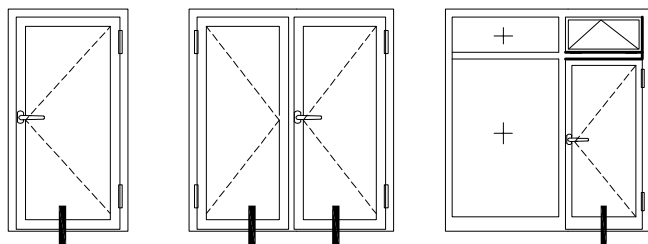
VRATA SA OBOSTRANOM OBLOGOM
DOOR WITH DOUBLE-SIDED LINING

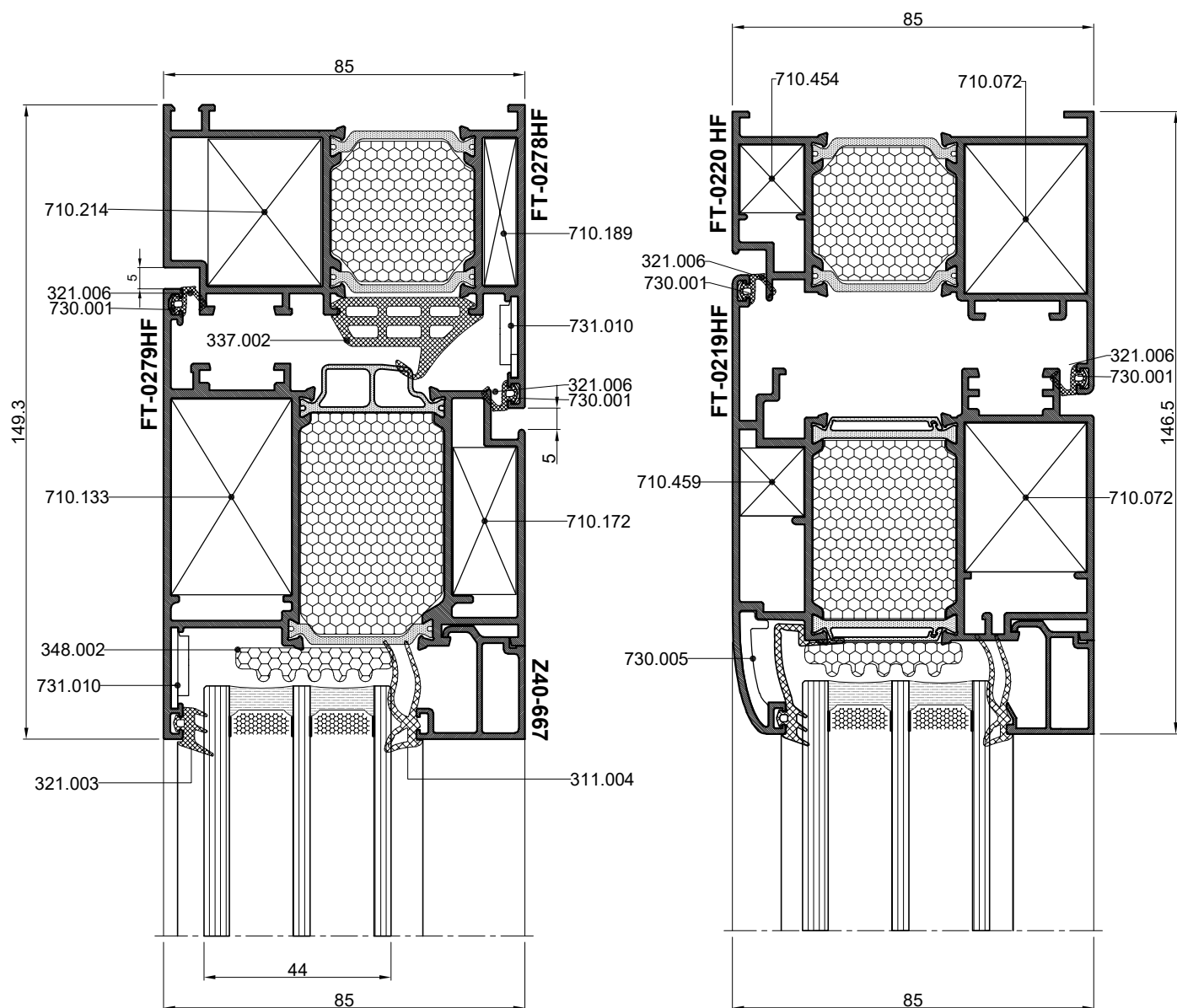
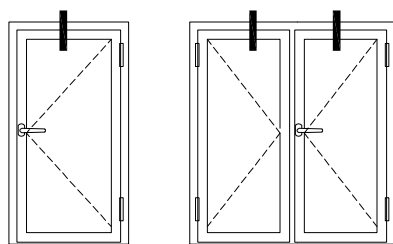


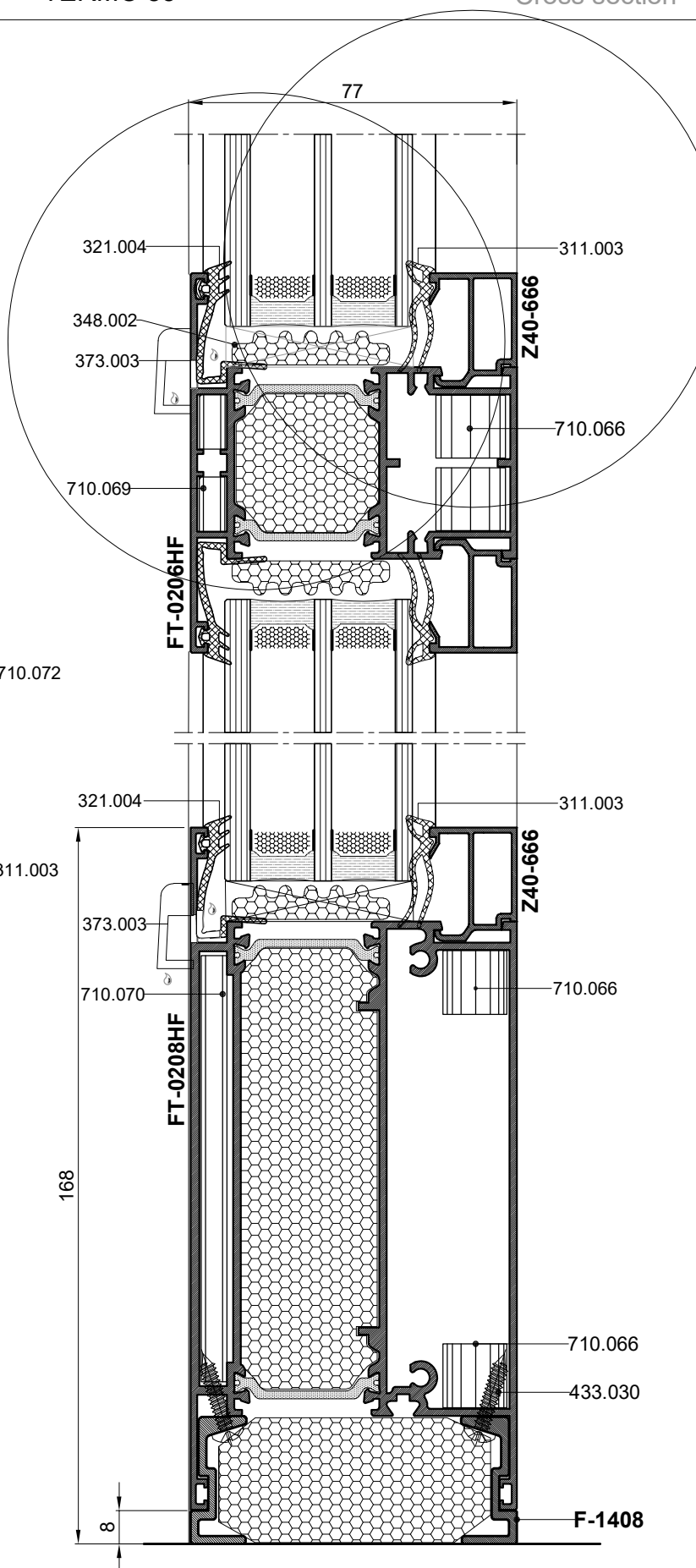
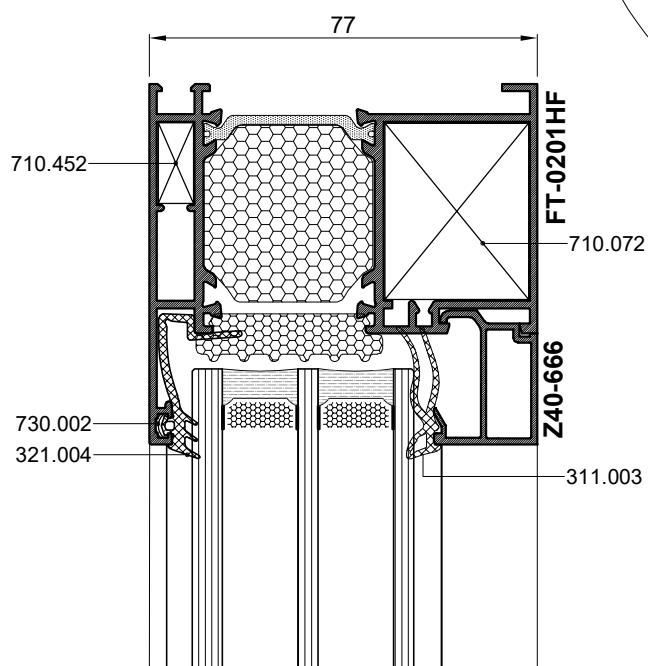
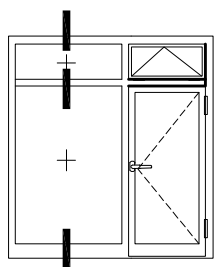


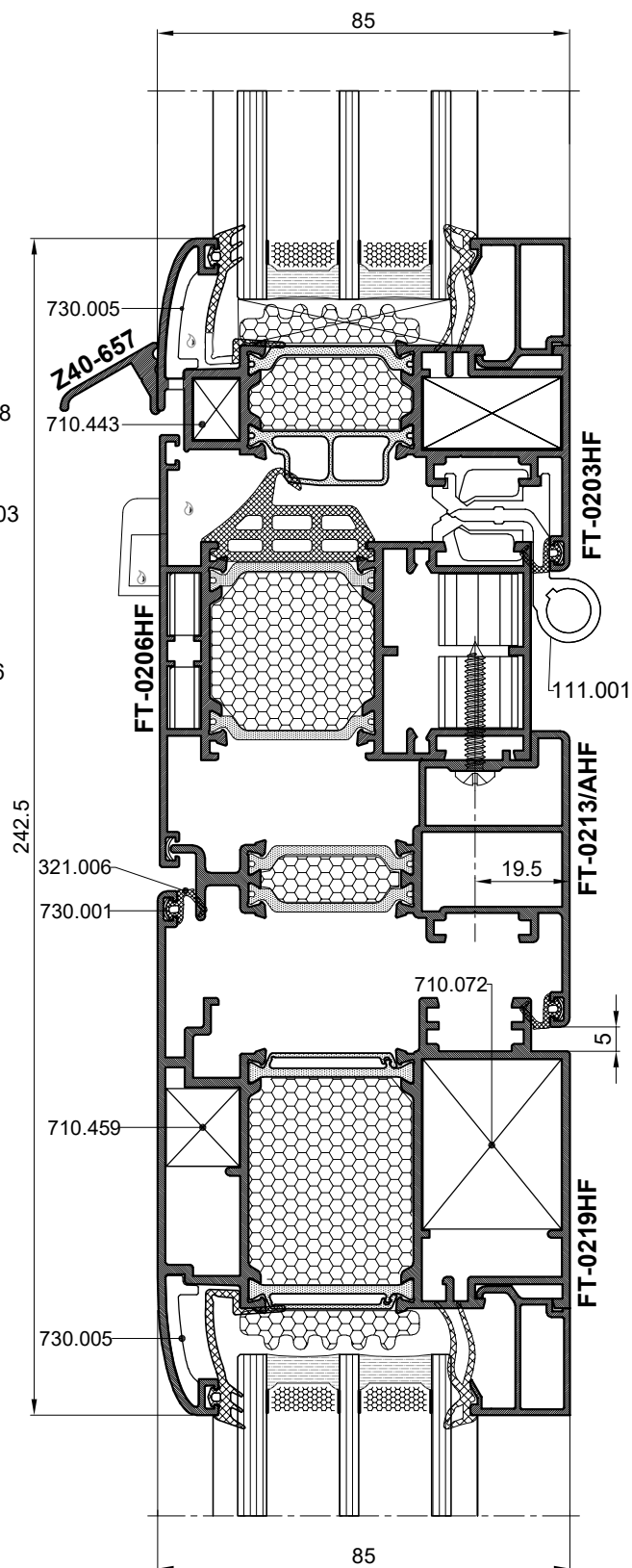
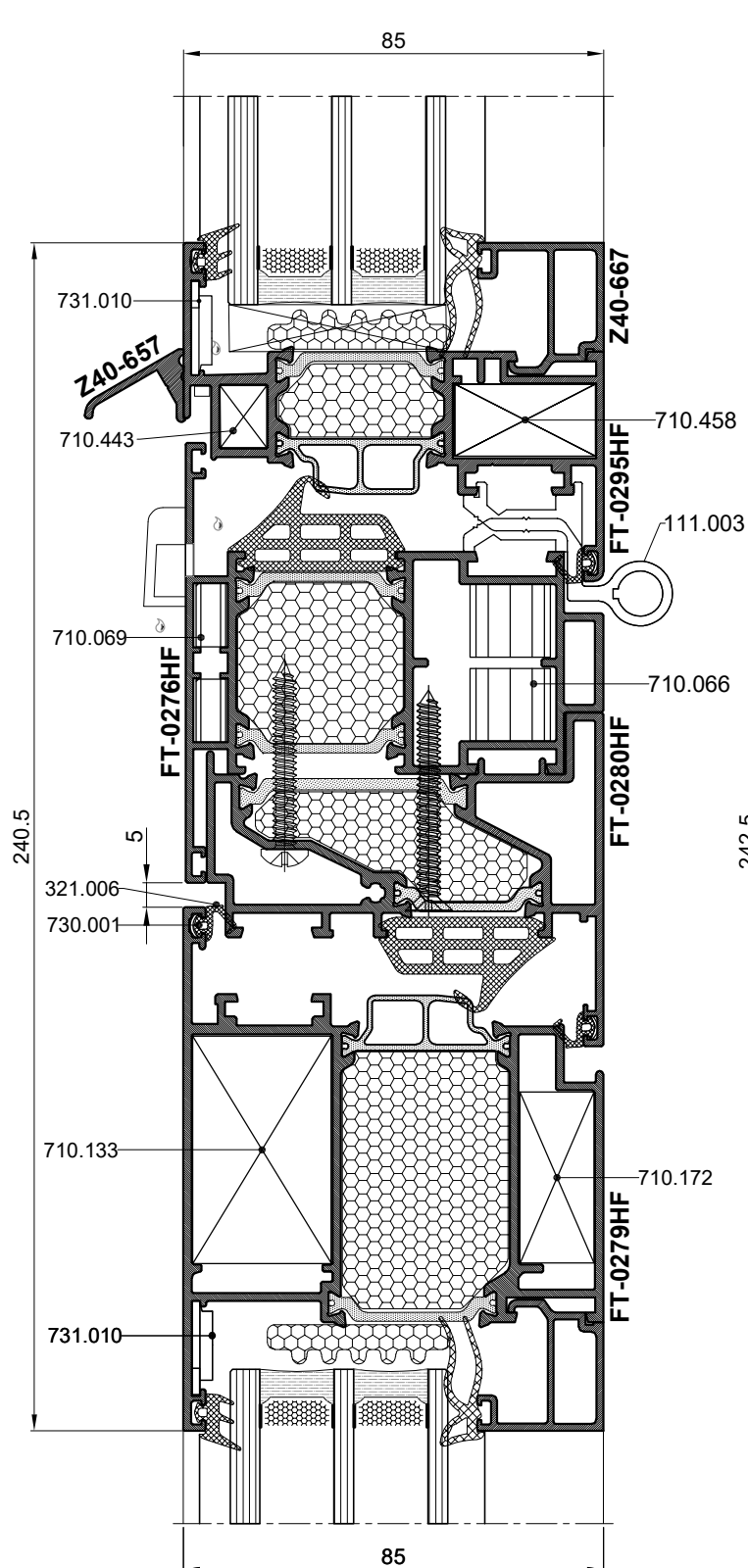
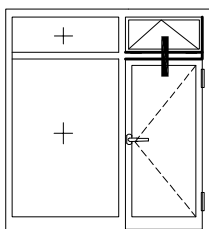


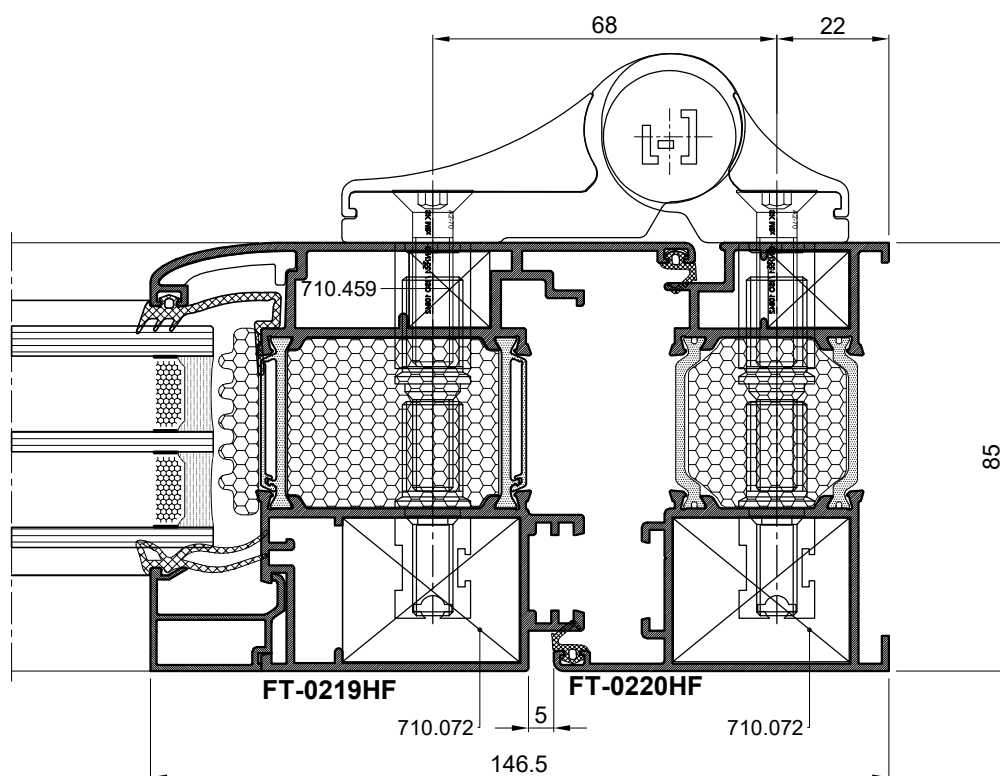
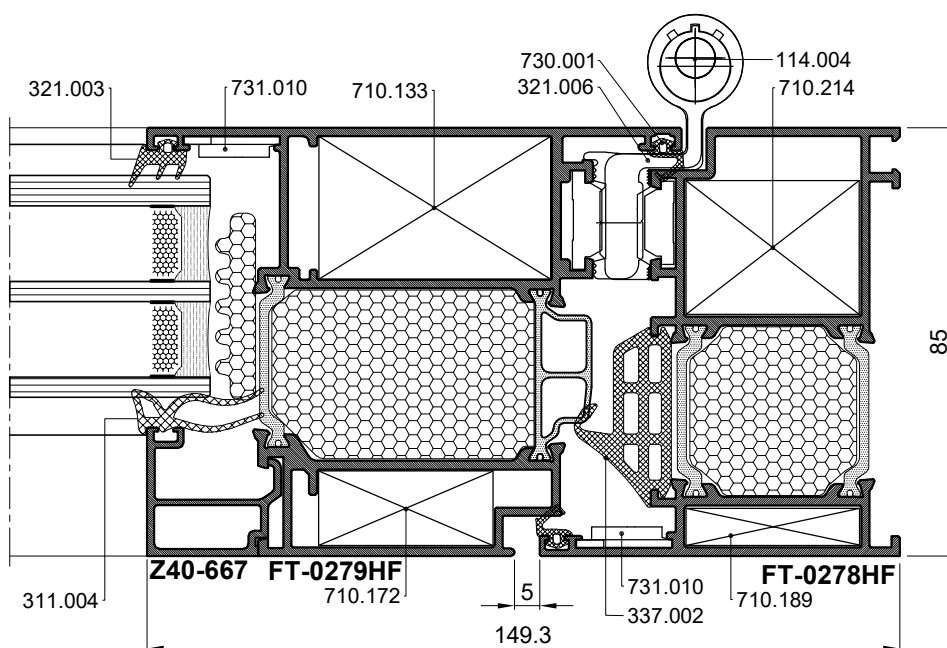
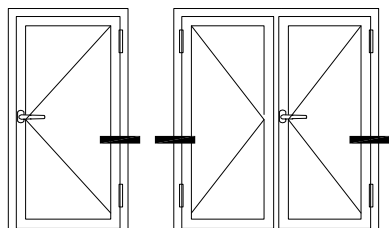


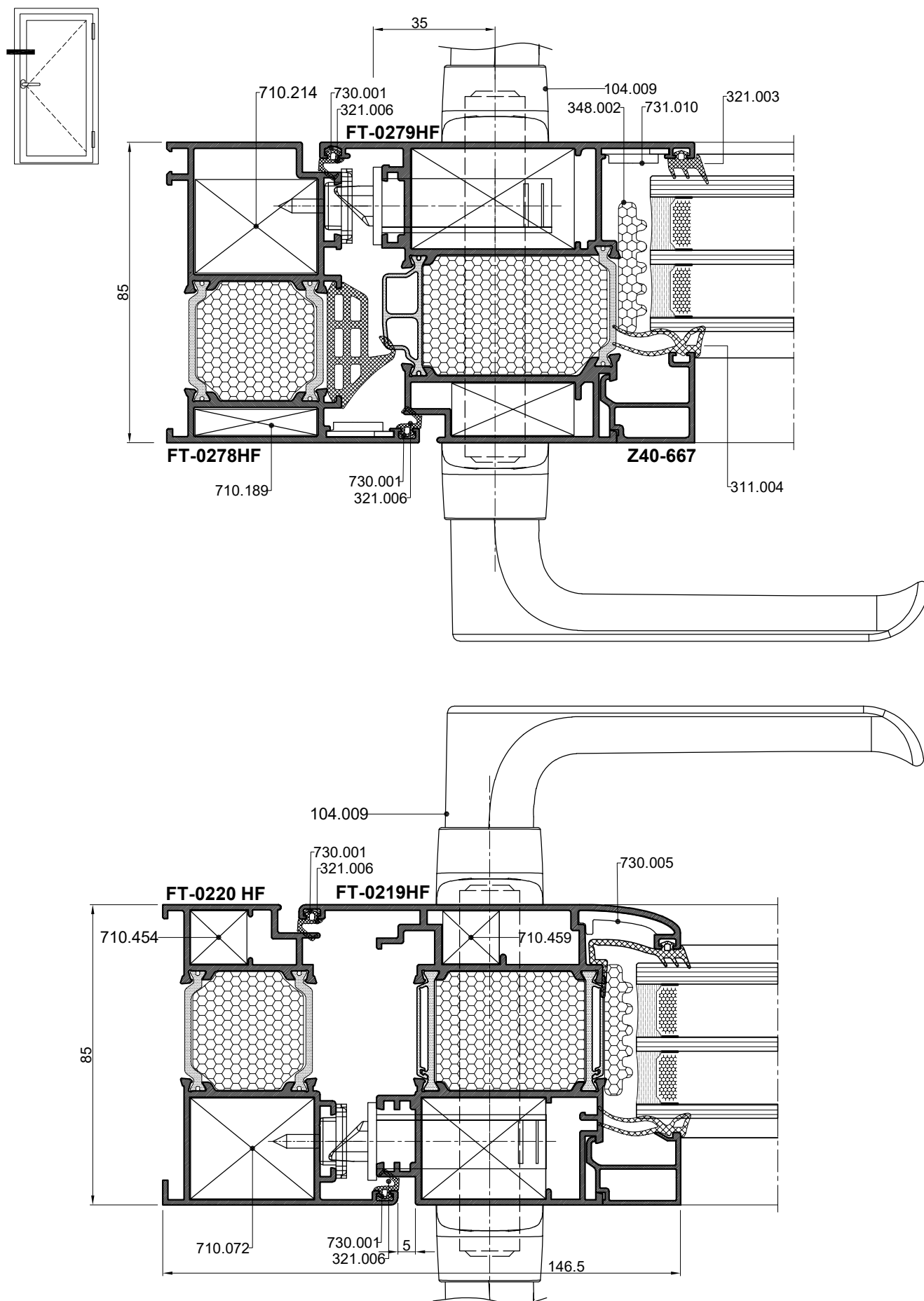


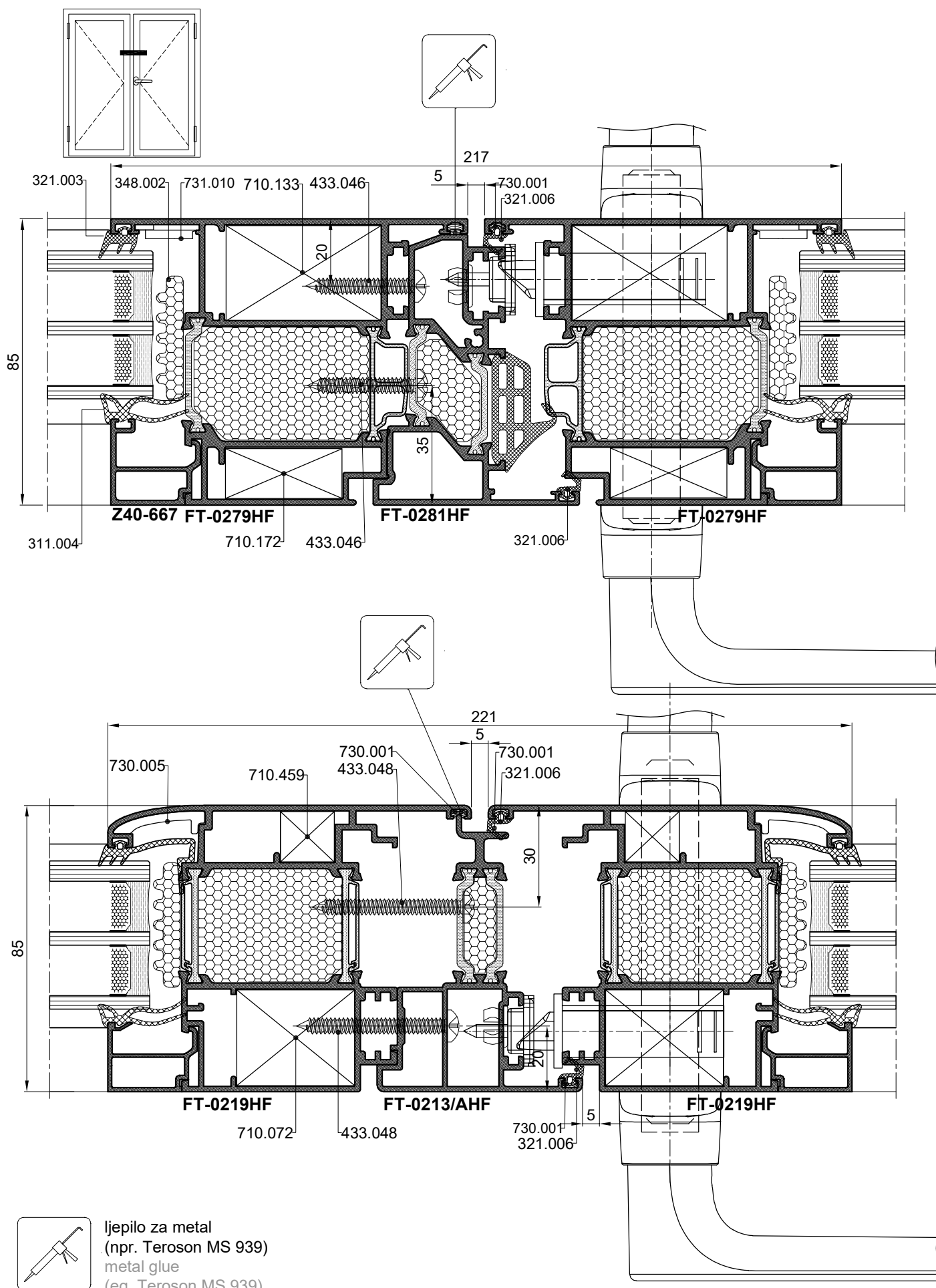


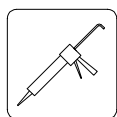
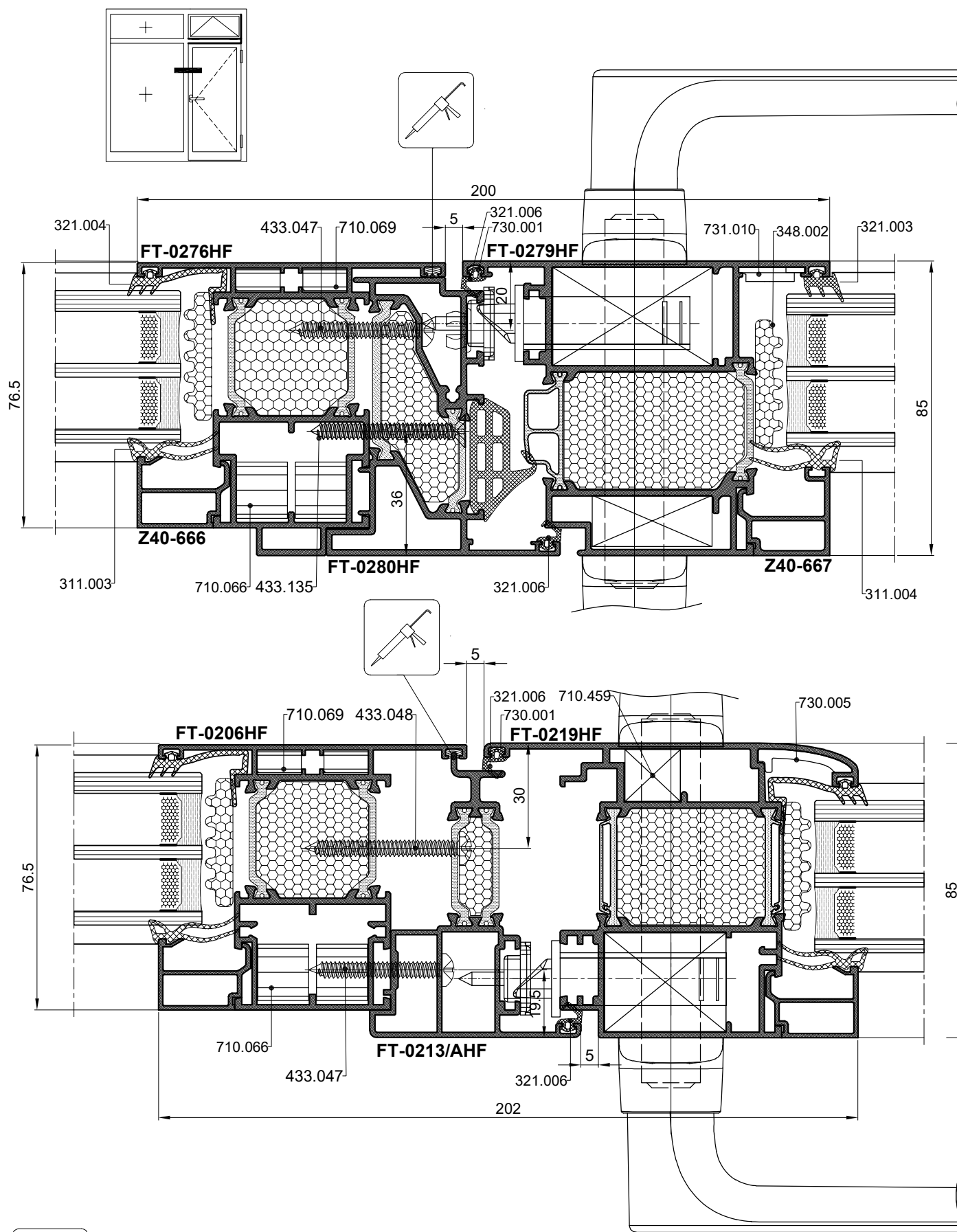




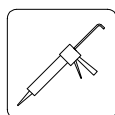
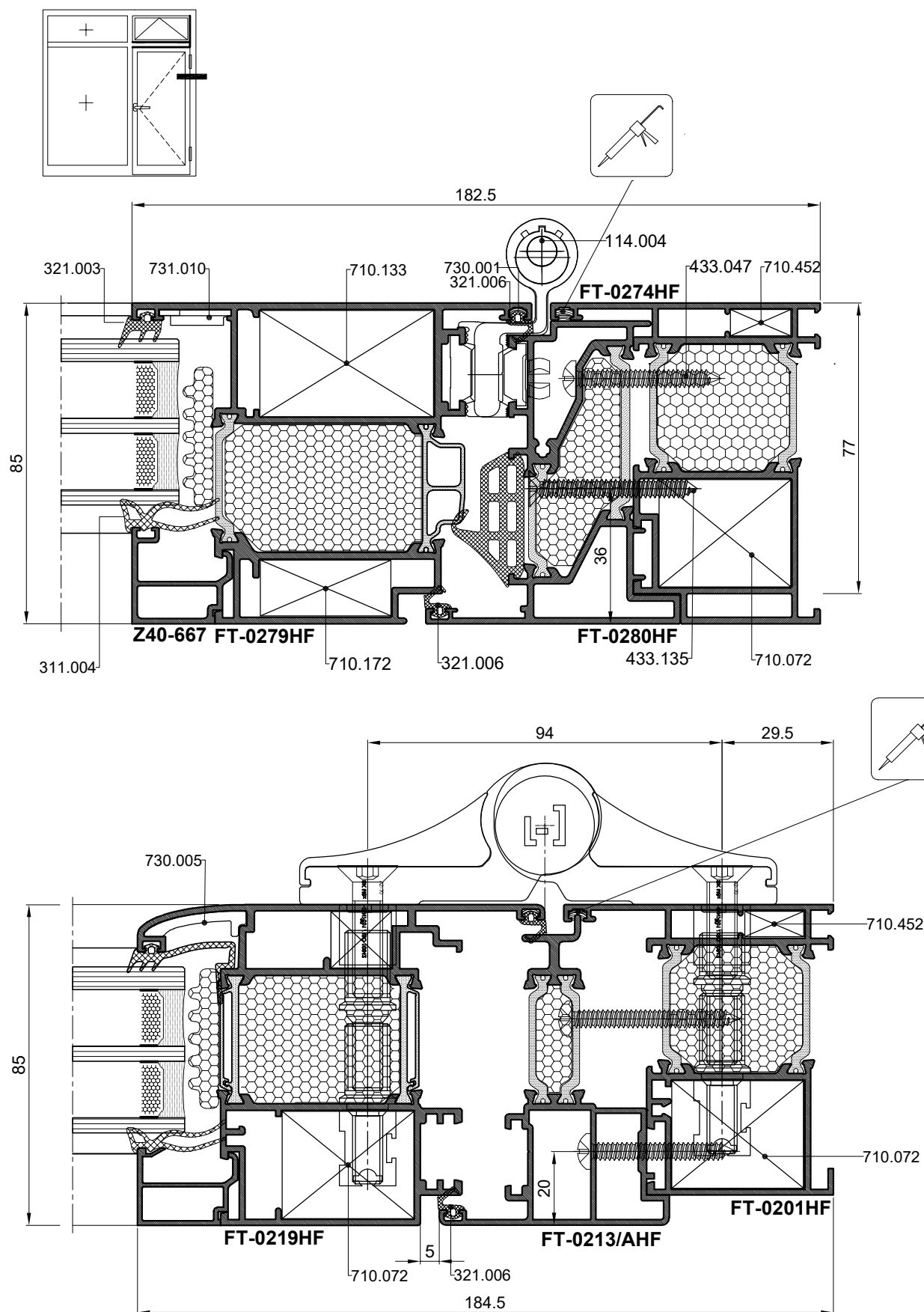






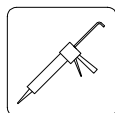
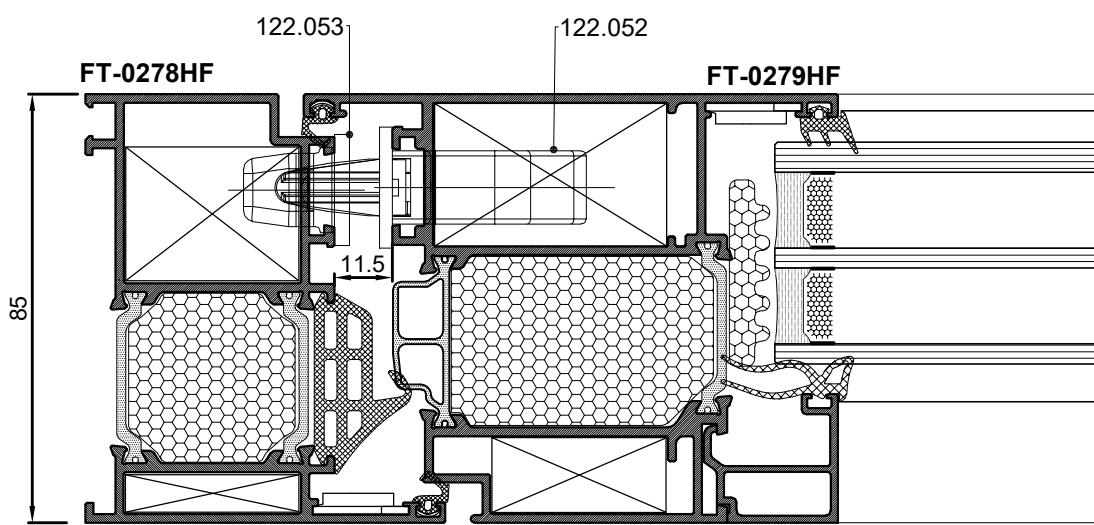
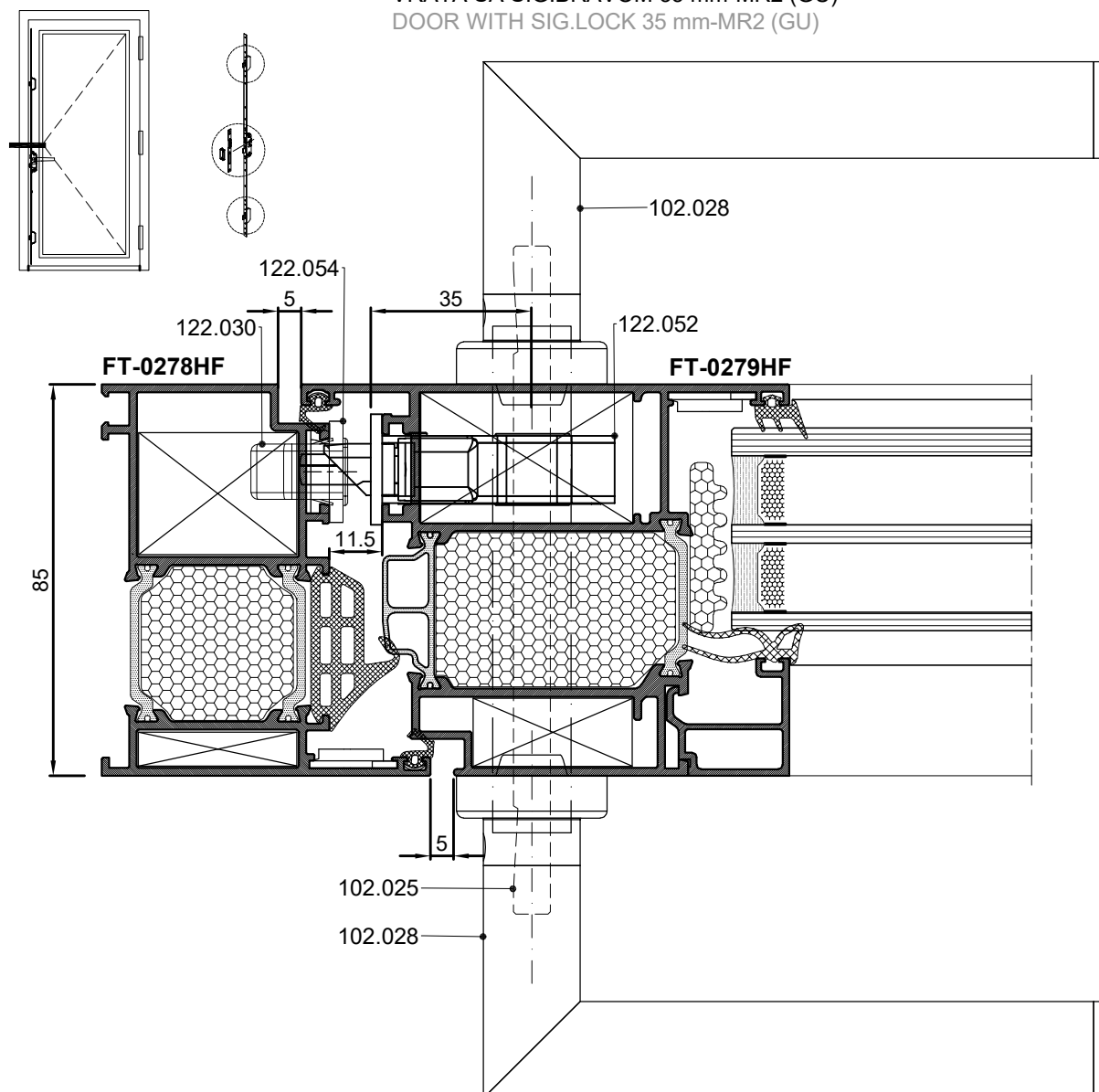


ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)



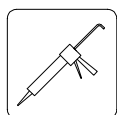
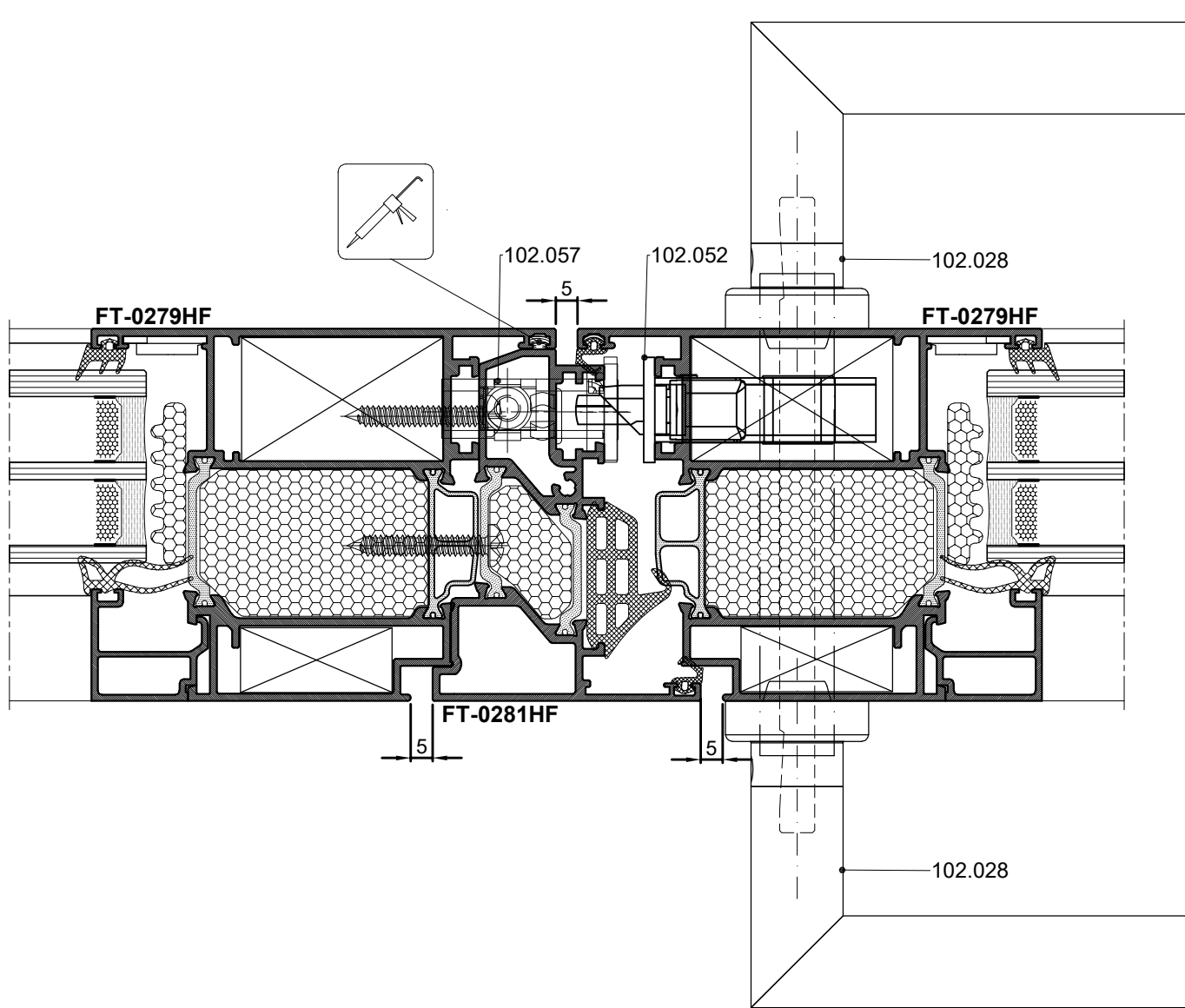
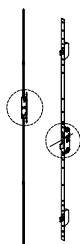
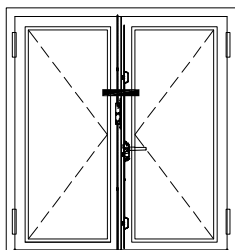
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

VRATA SA SIG.BRAVOM 35 mm-MR2 (GU)
DOOR WITH SIG.LOCK 35 mm-MR2 (GU)

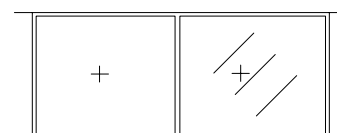
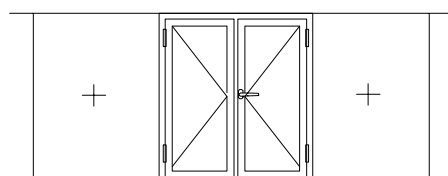
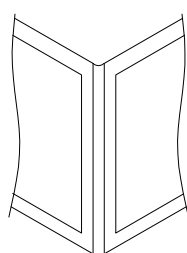
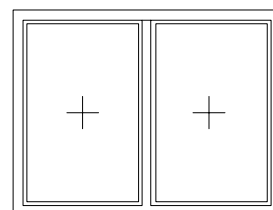
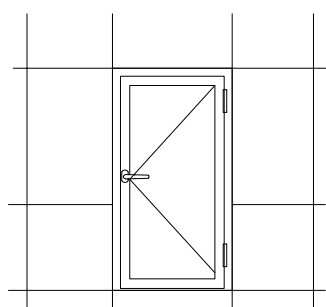
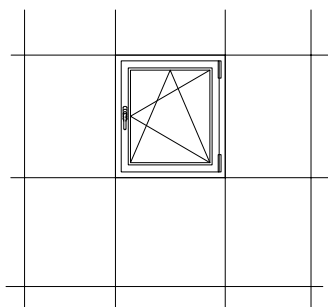


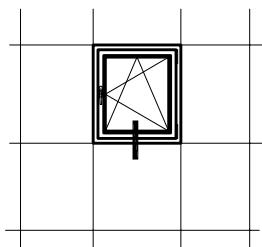
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

VRATA SA SIG.BRAVOM 35 mm-MR2 (GU)
DOOR WITH SIG.LOCK 35 mm-MR2 (GU)

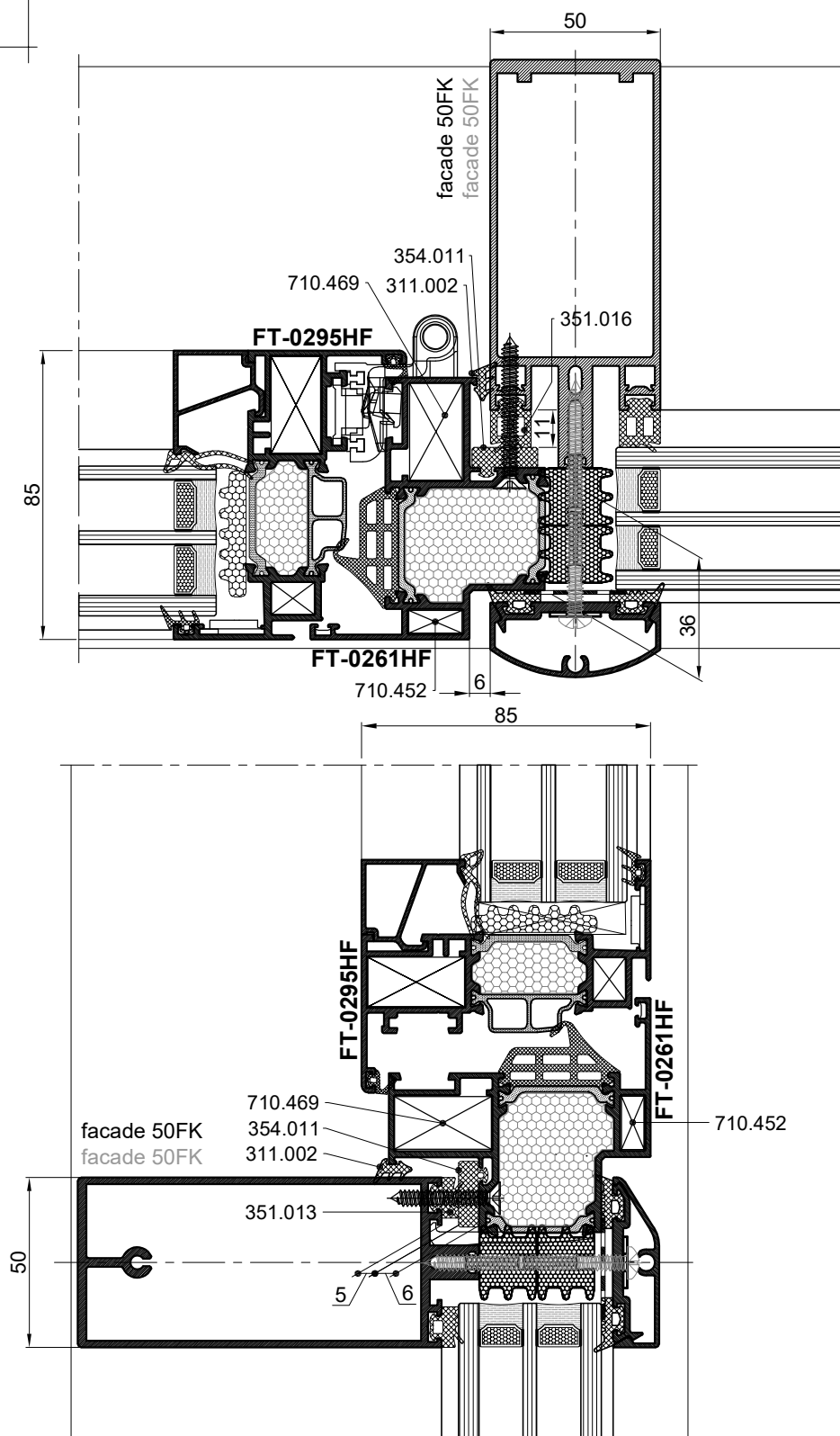


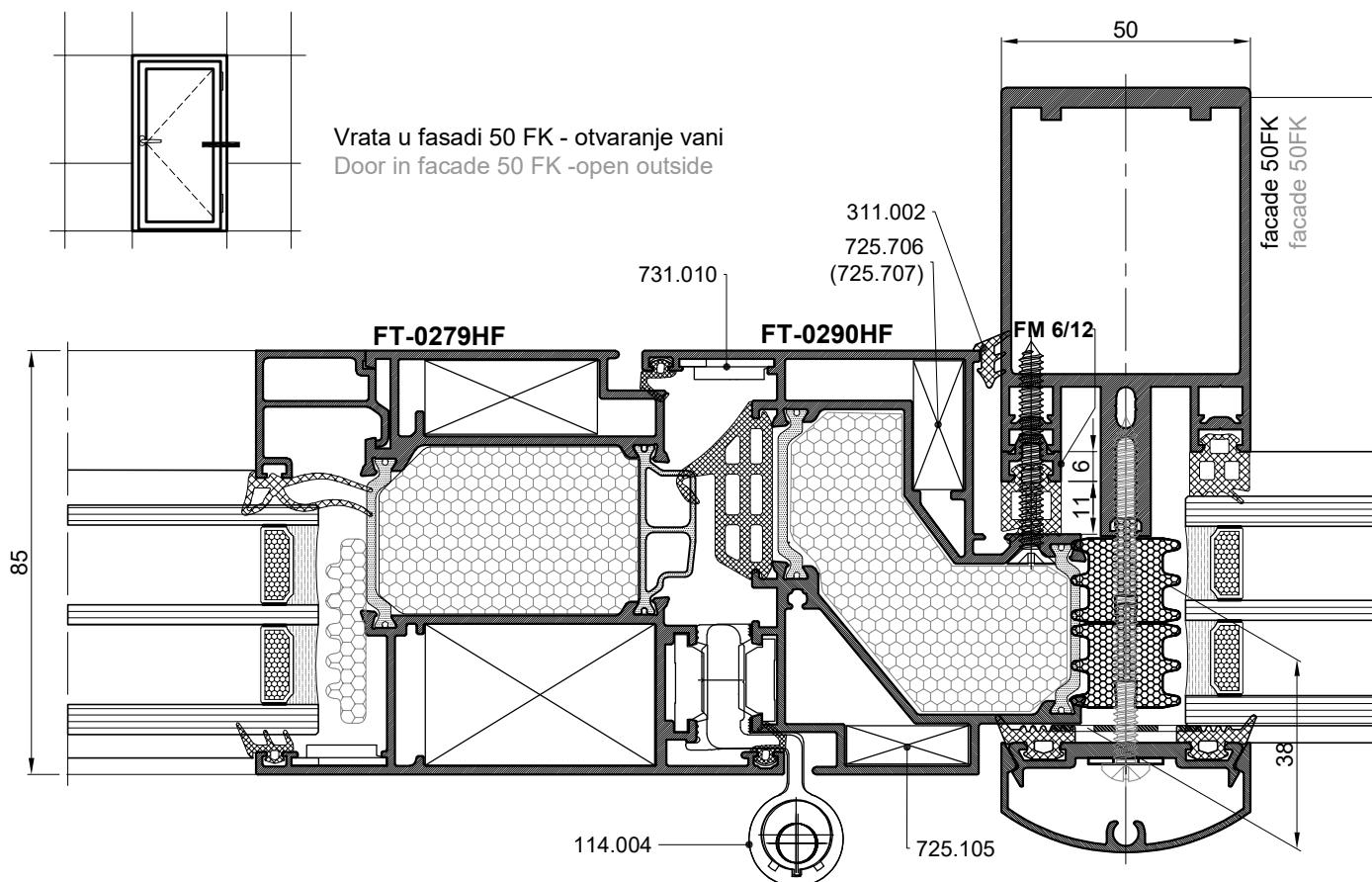
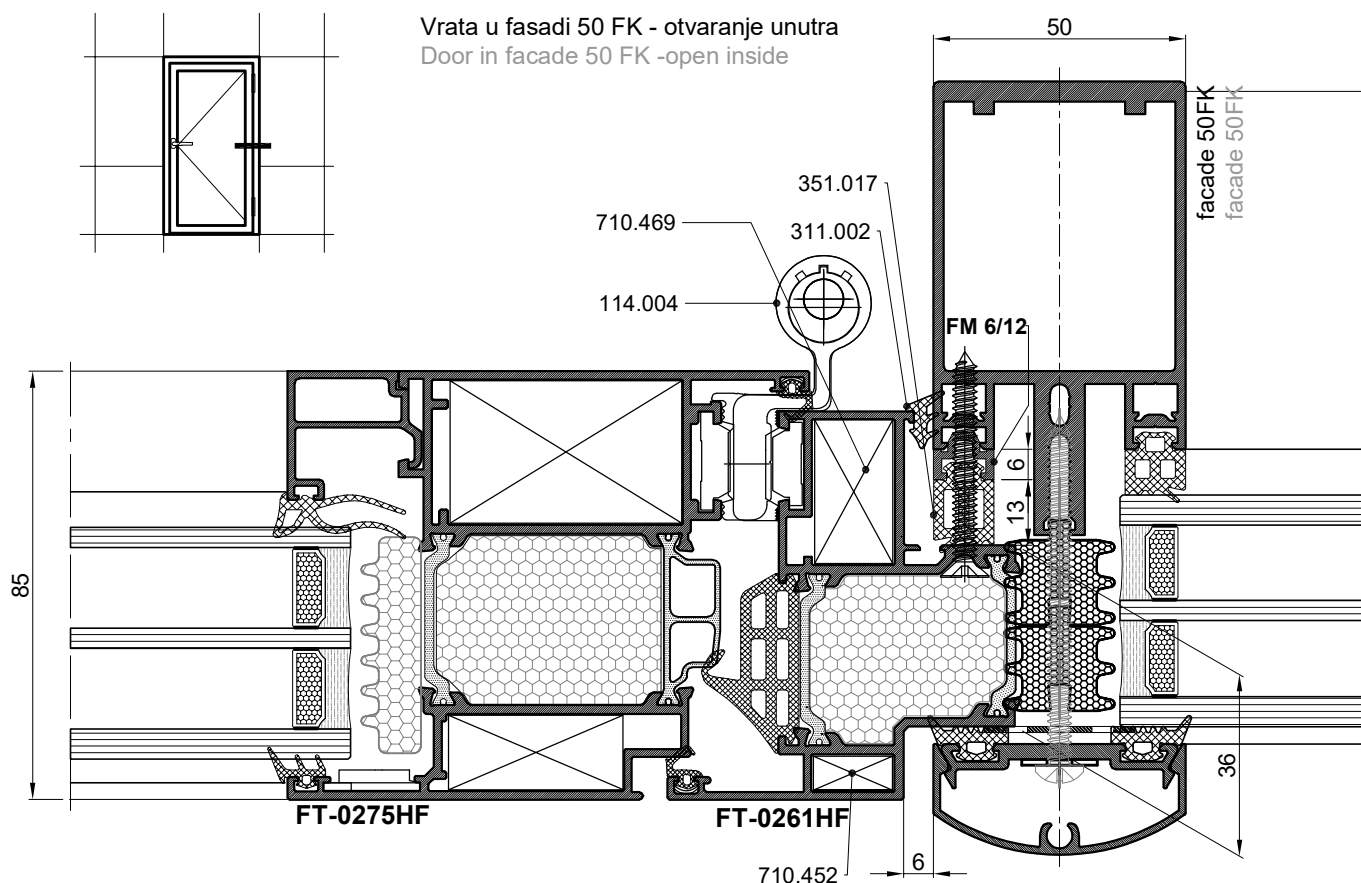
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

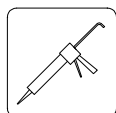
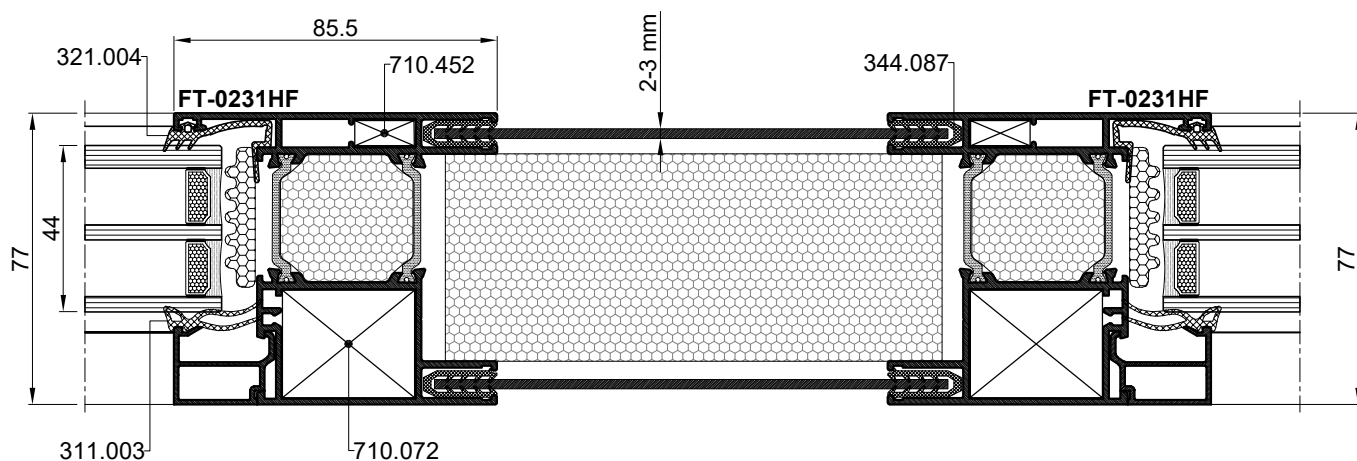
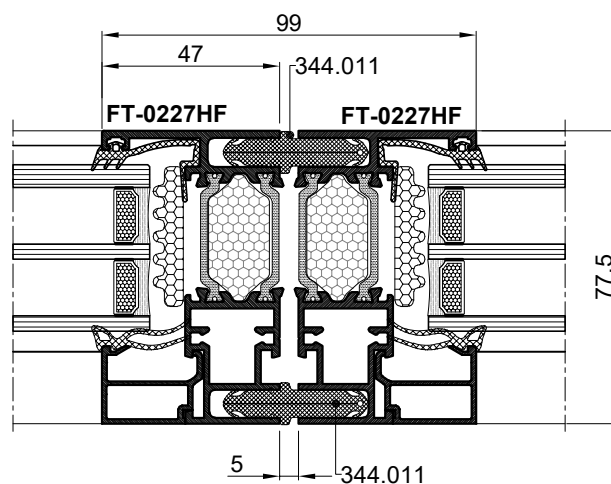
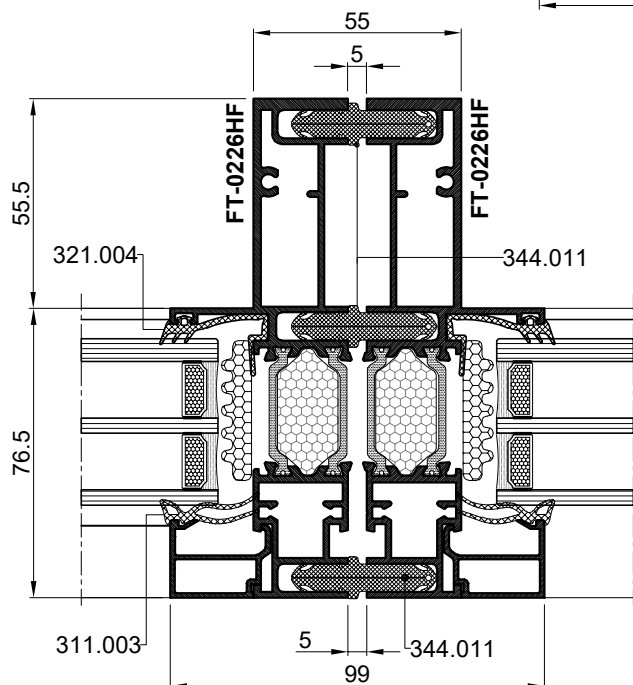
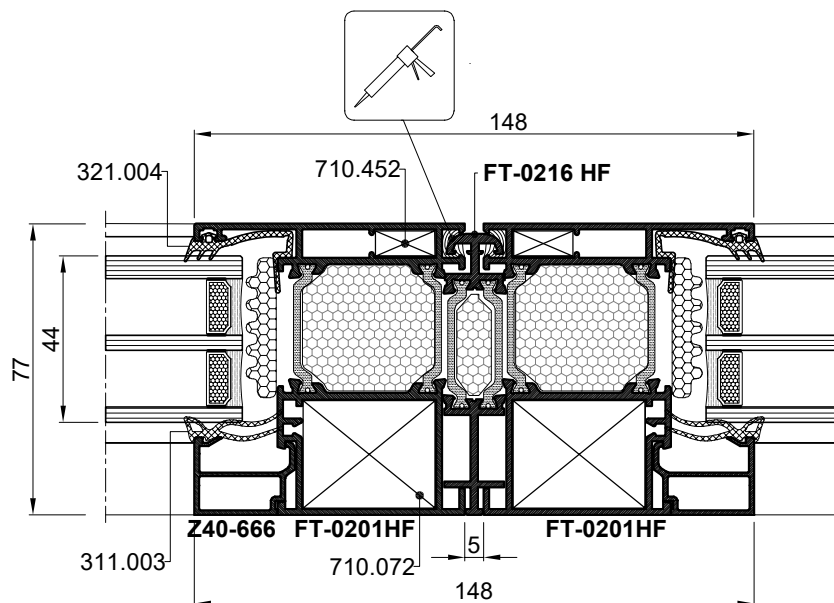
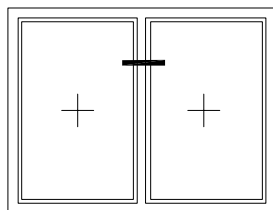




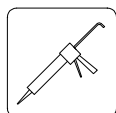
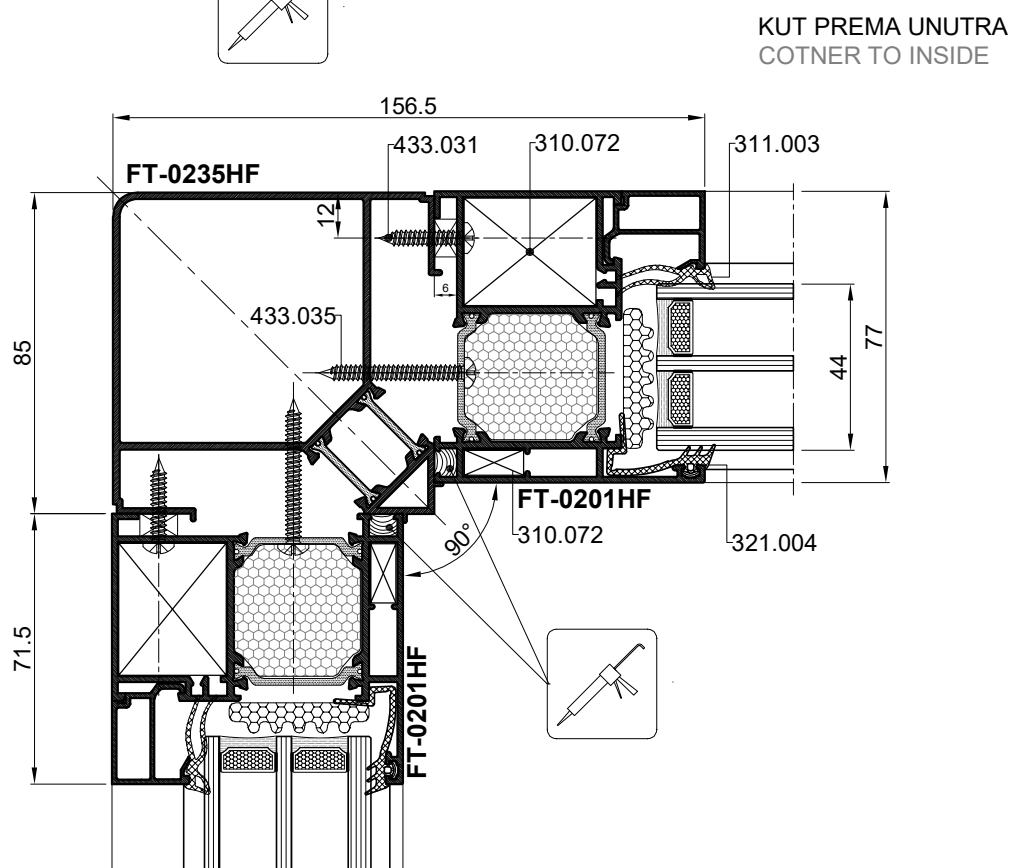
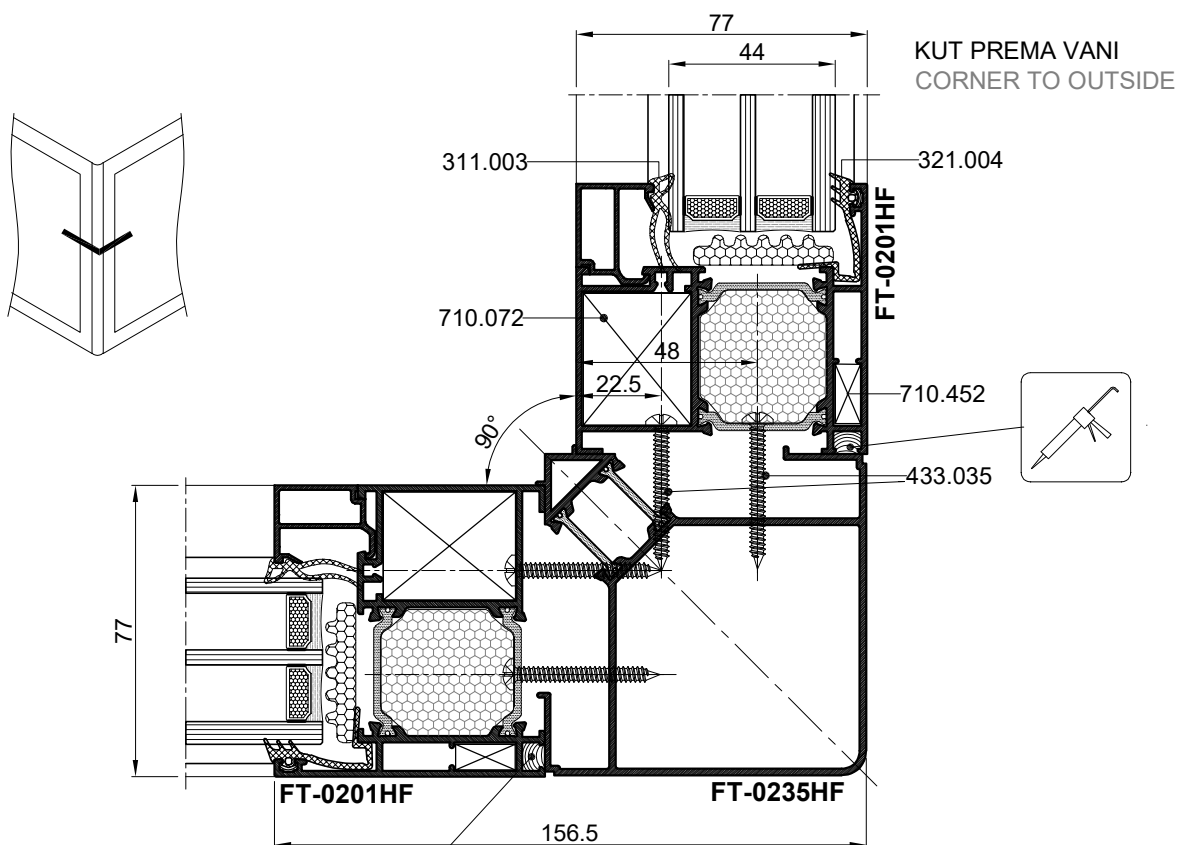
Prozor u fasadi 50 FK
Window in facade 50 FK



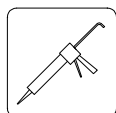
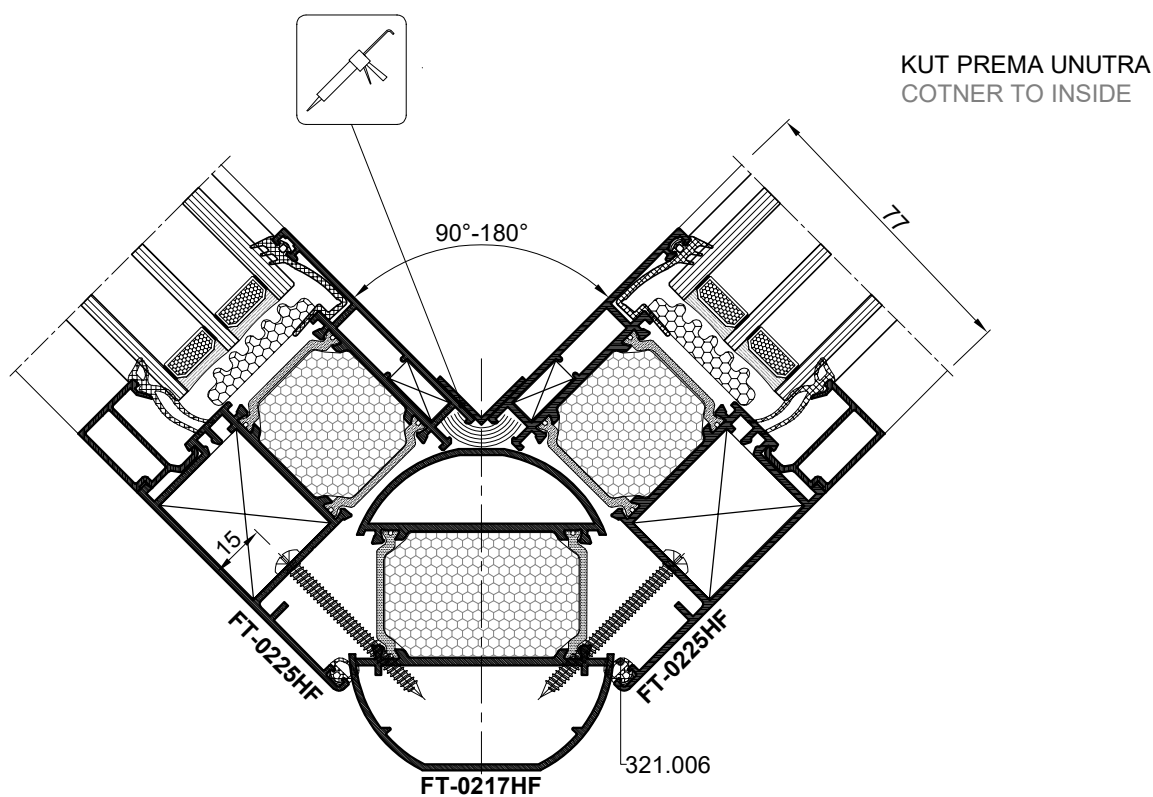
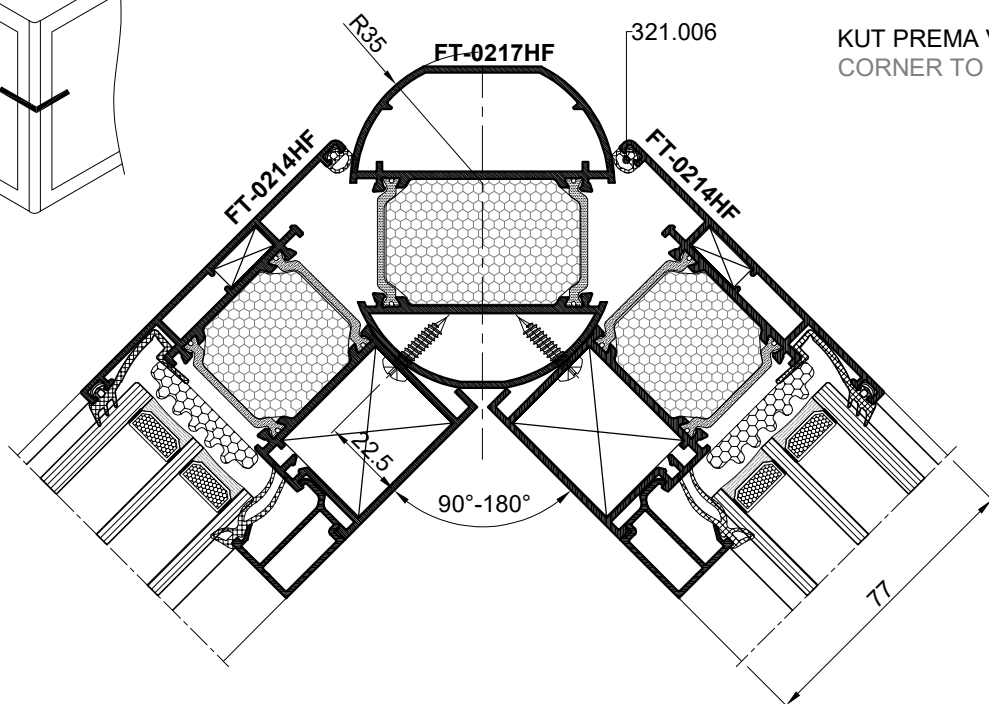
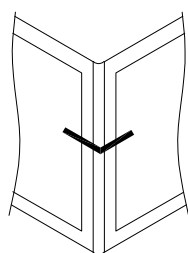




ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)



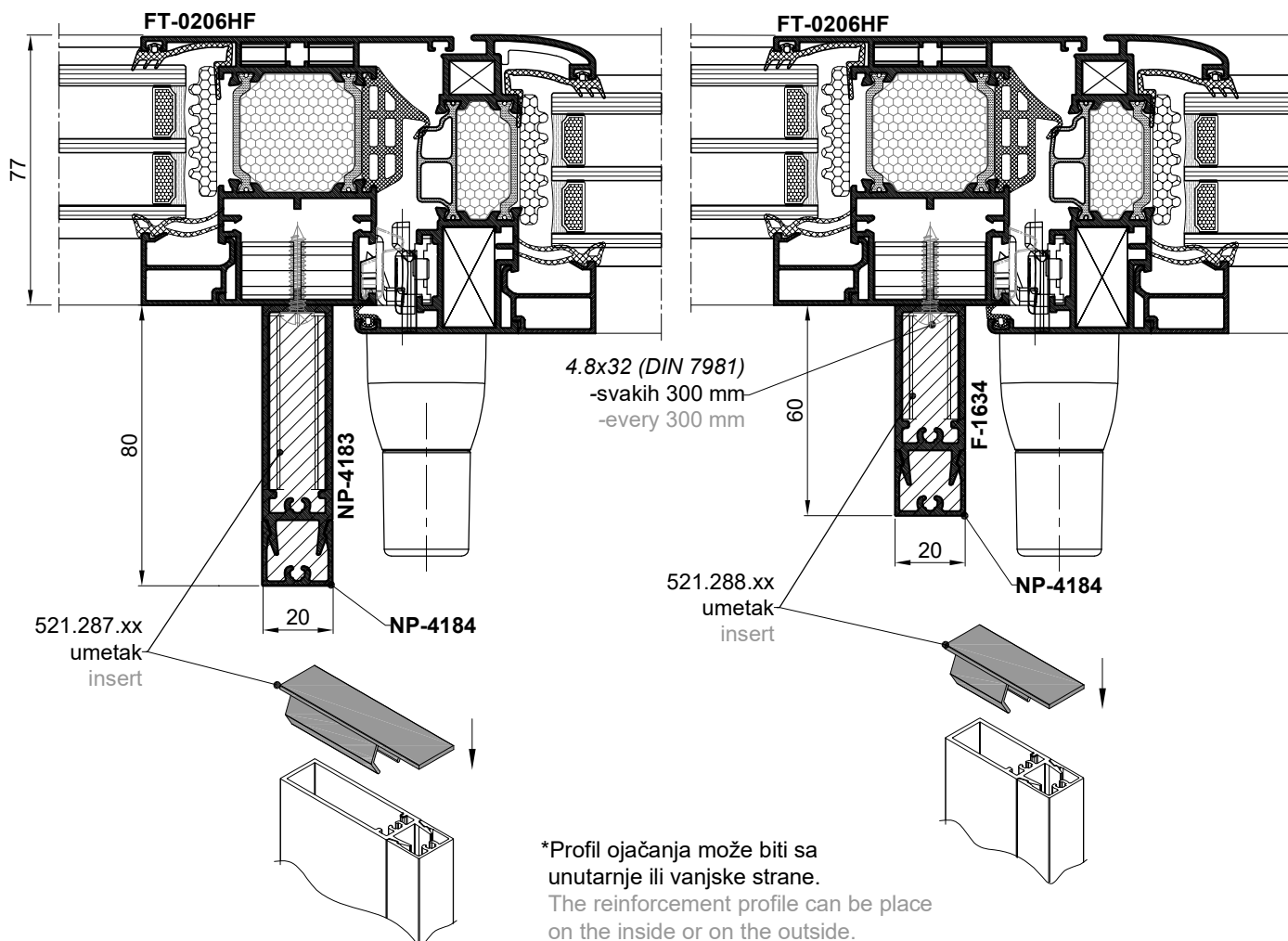
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)



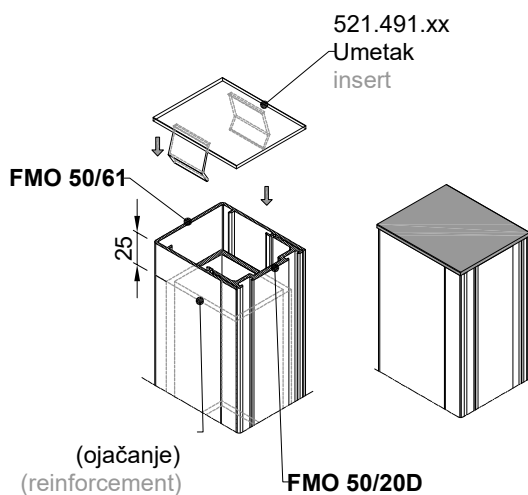
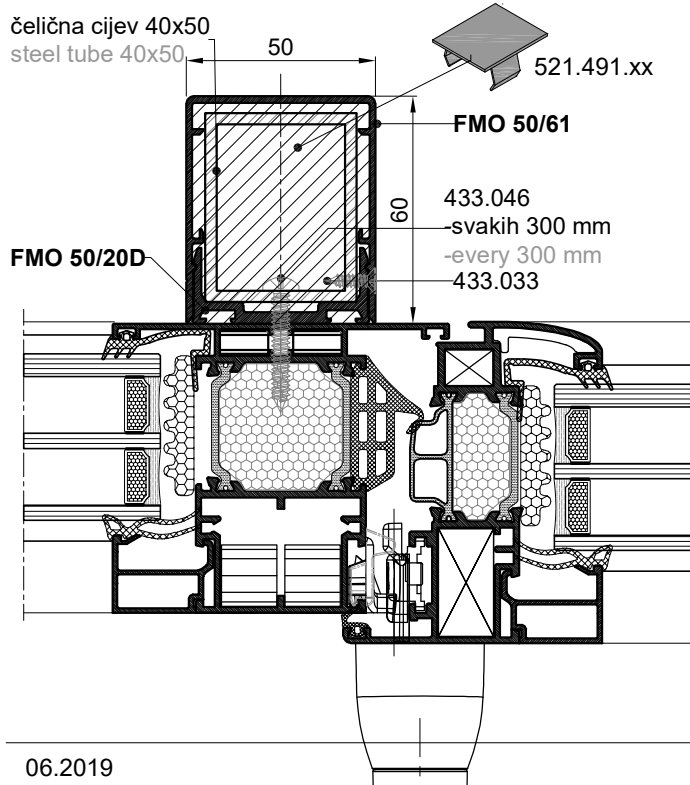
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

Ojačanje 80 mm
Reinforcement 80 mm

Ojačanje 60 mm
Reinforcement 60 mm

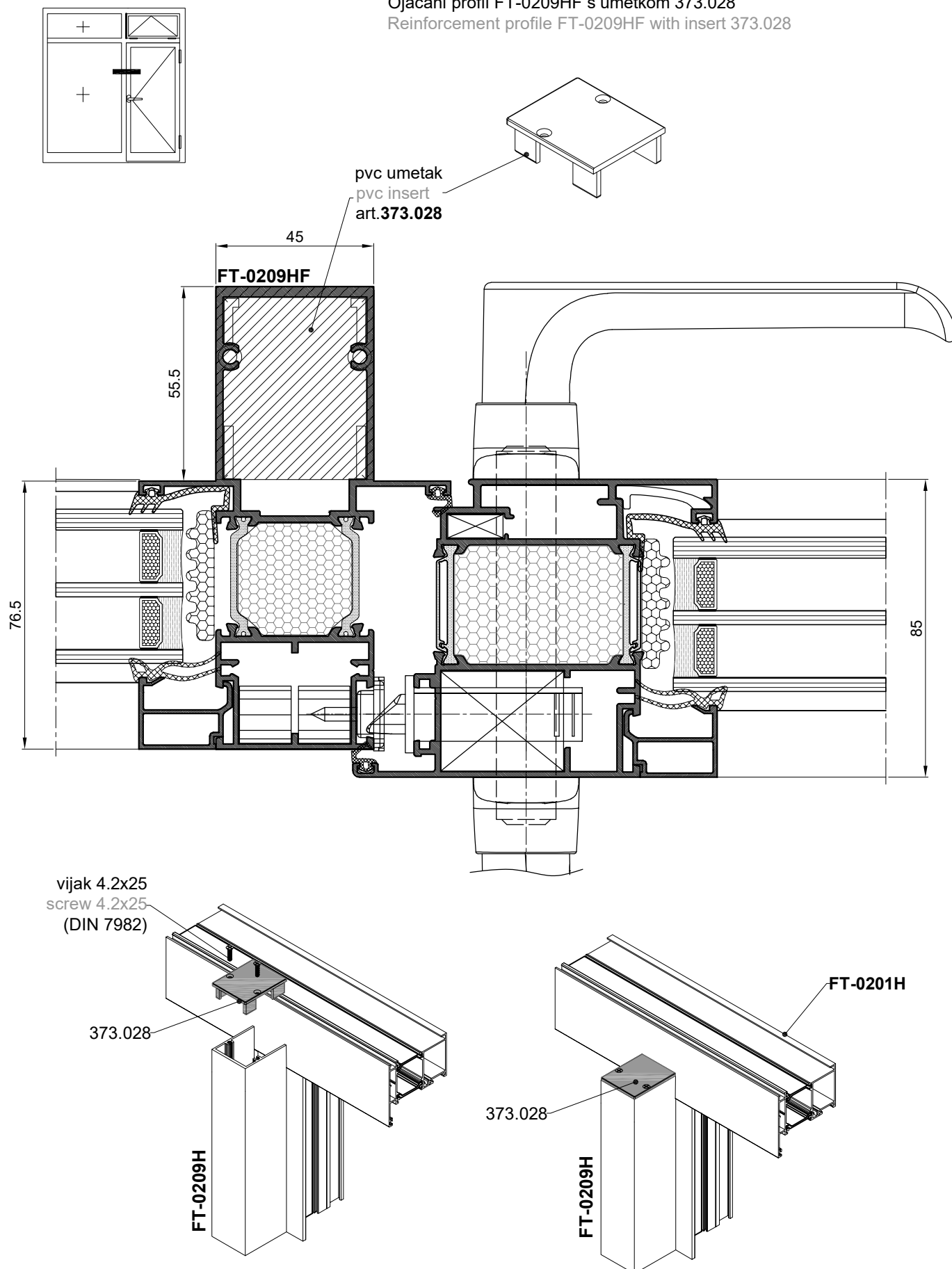


Ojačanje sa čeličnom cijevi
Reinforcement with steel tube

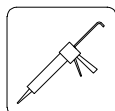
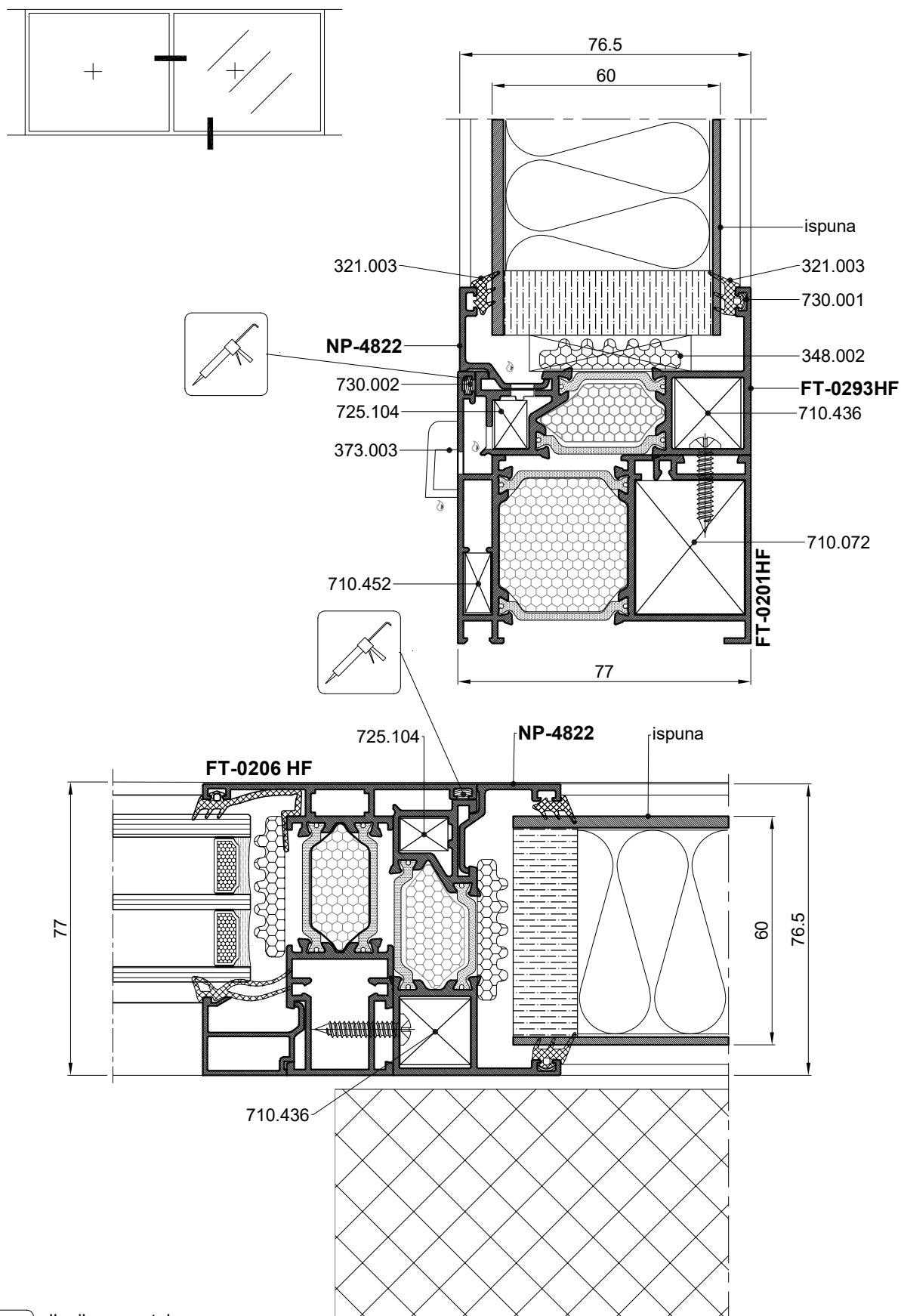


-Profil FMO 50/61 (maska ojačanja) mora biti 50 mm duži od profila ojačanja.
-FMO 50/61 profile (reinforcement mask) must be 50 mm longer than the reinforcement profile.
*Ojačanje sa čeličnom cijevi ide na vanjsku stranu profila prečke.
Reinforcement with steel tube goes to the exterior side of window crossbar.

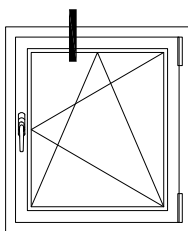
Ojačani profil FT-0209HF s umetkom 373.028
Reinforcement profile FT-0209HF with insert 373.028



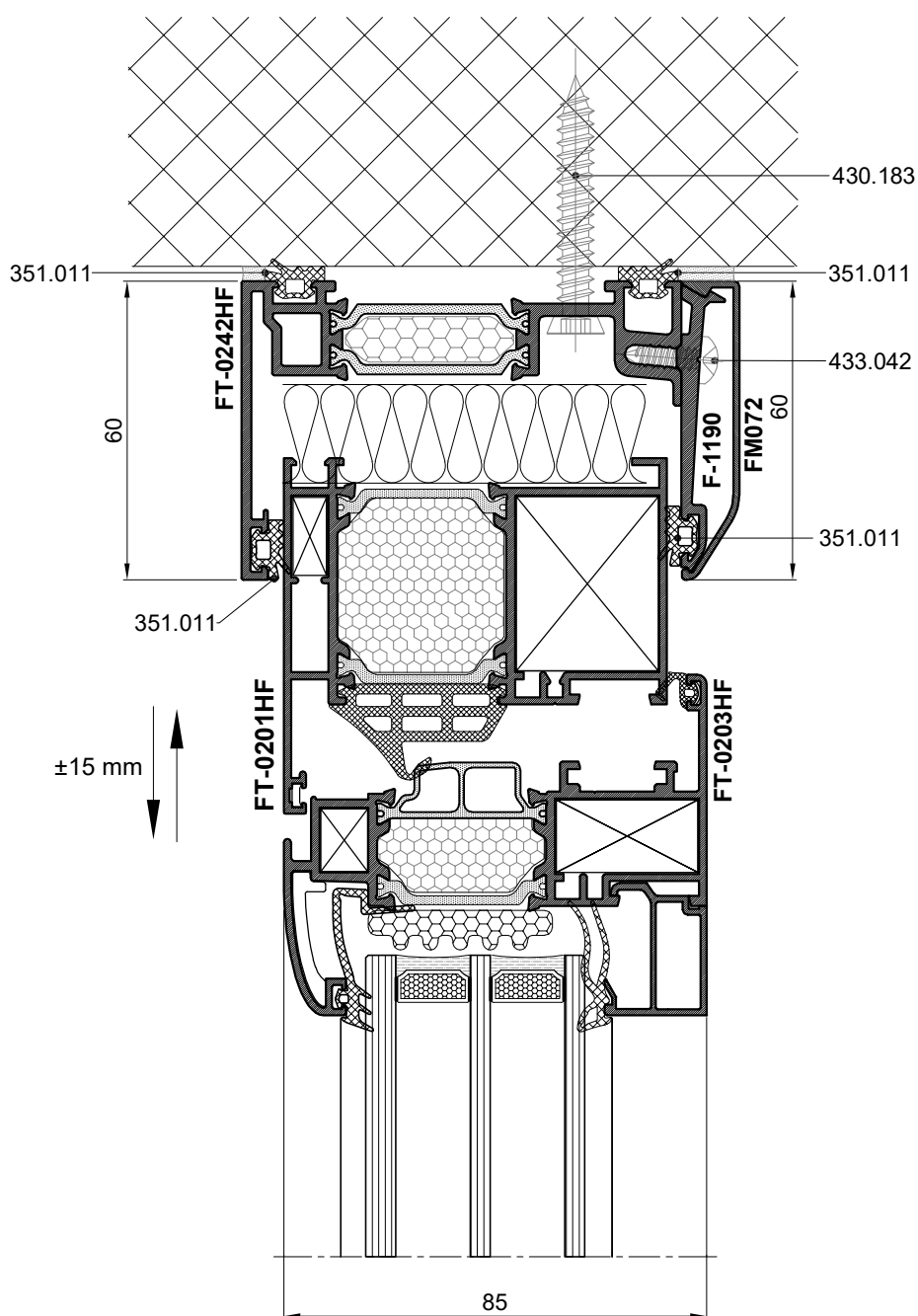
Detalj ostakljivanja s vanjske strane
Detail of glazing on the outside

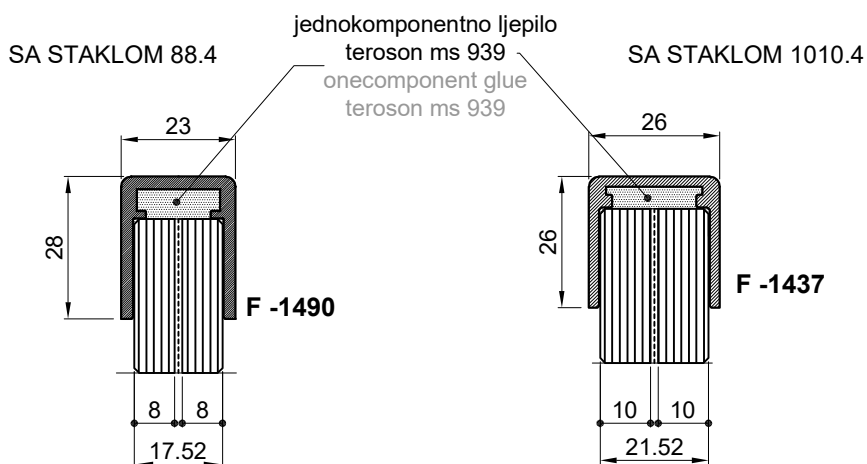
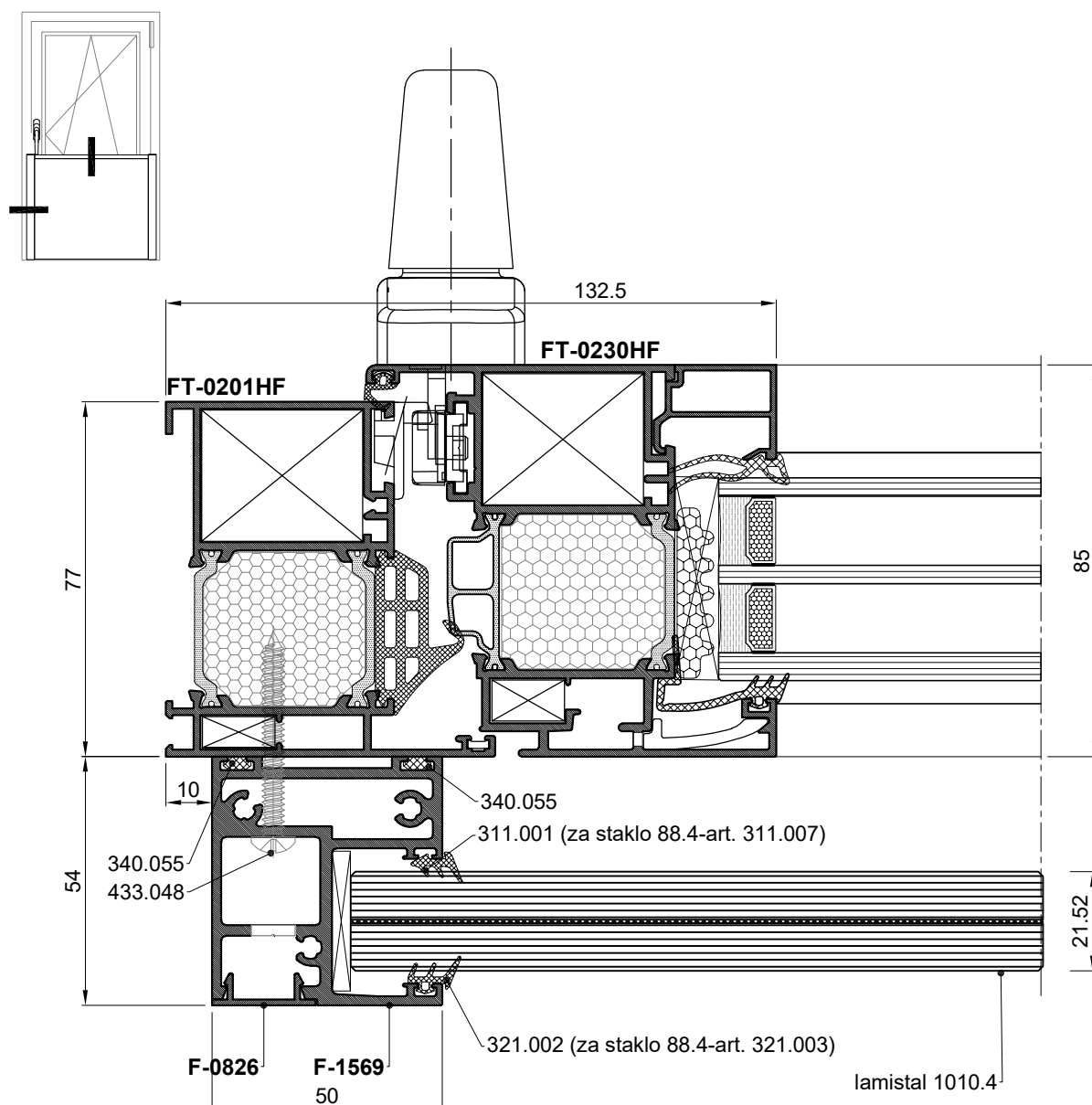


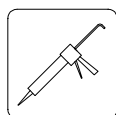
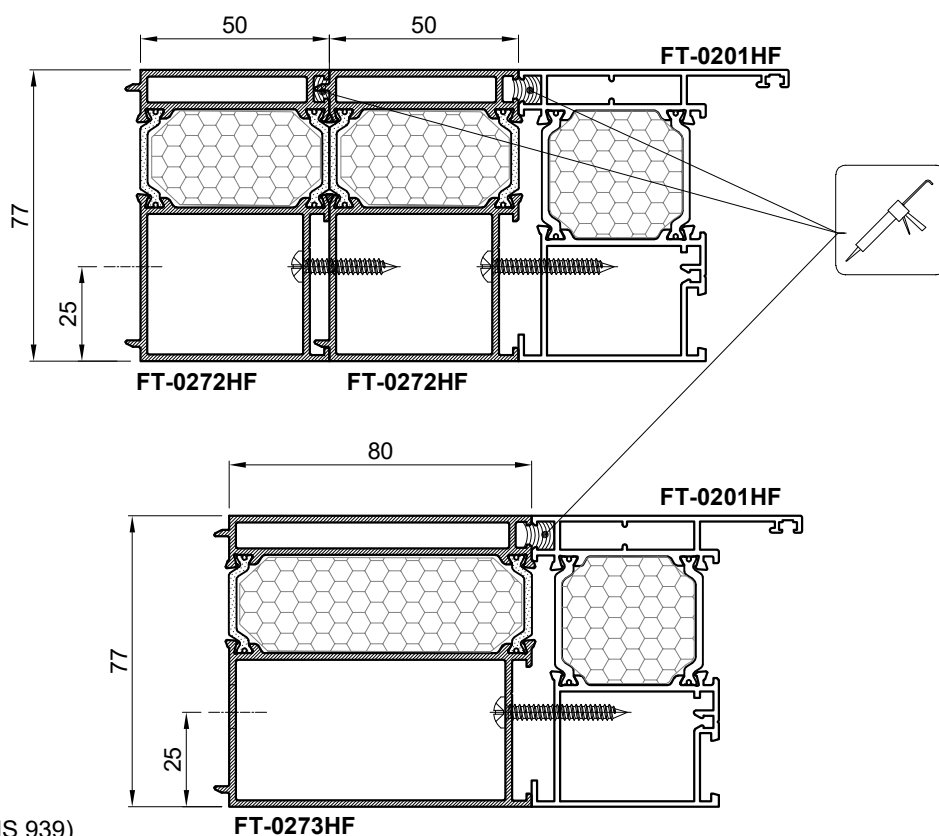
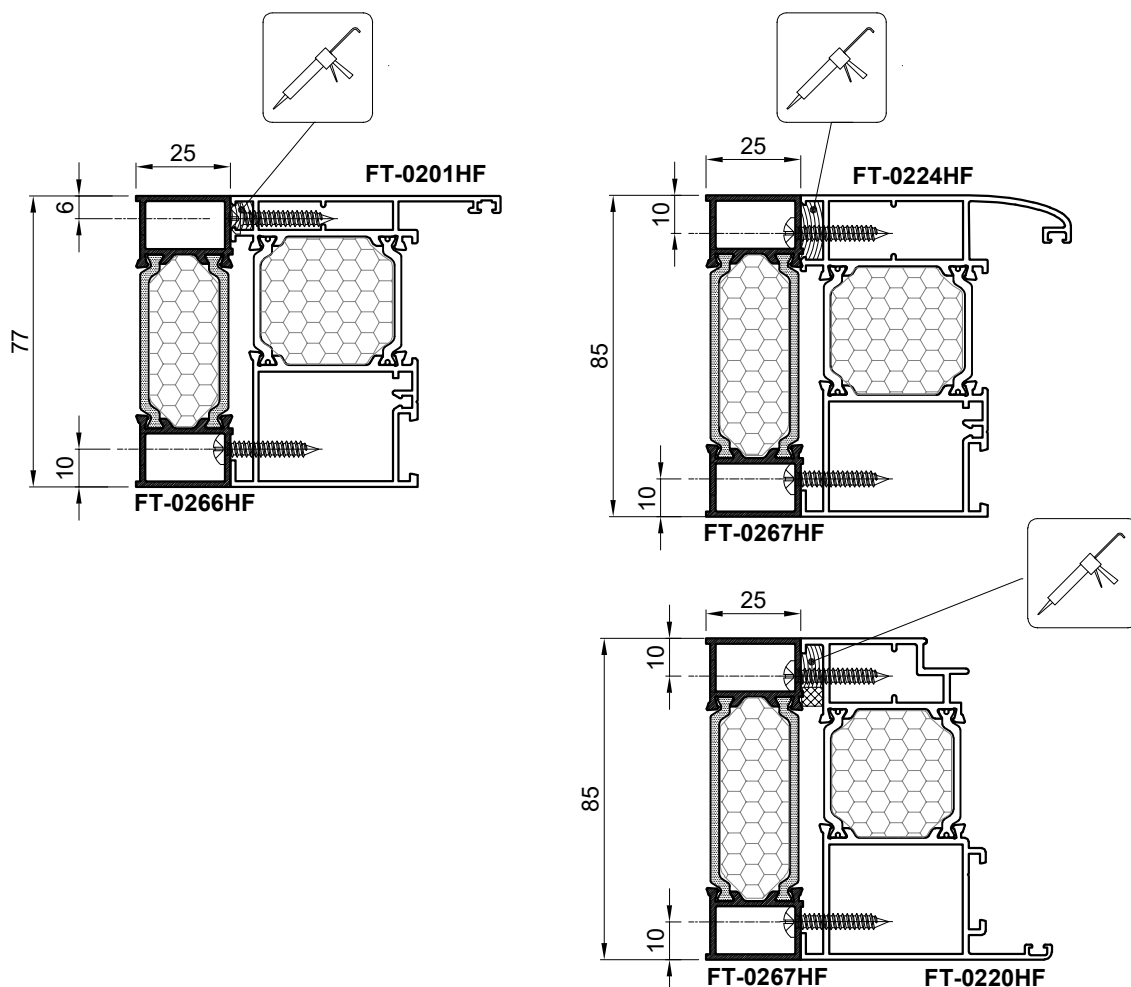
lijepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)



PROFIL ZA UGRADNJU
INSTALATION PROFILE





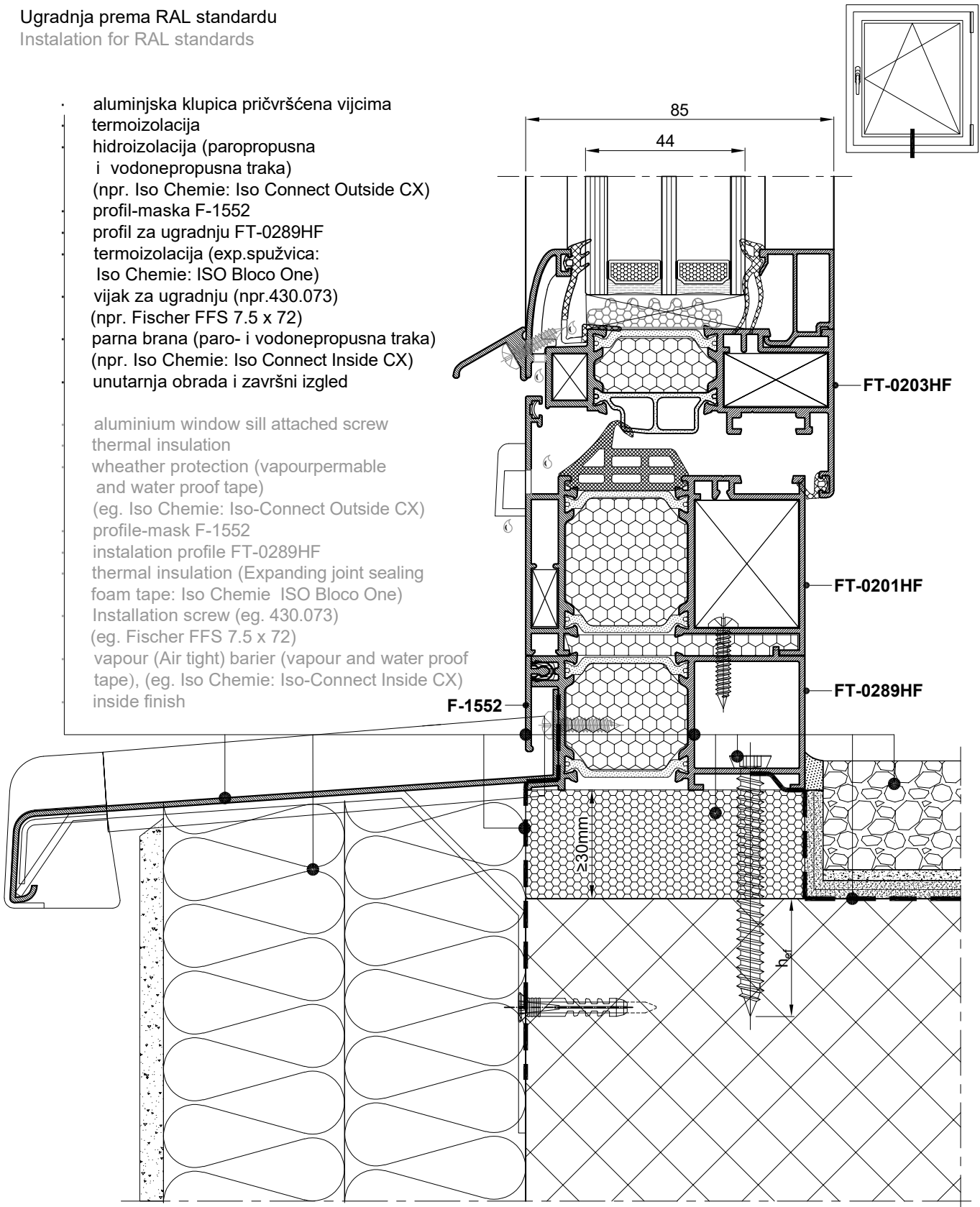


ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

Ugradnja prema RAL standardu Installation for RAL standards

aluminjska klupica pričvršćena vijcima
termoizolacija
hidroizolacija (paropropusna
i vodonepropusna traka)
(npr. Iso Chemie: Iso Connect Outside CX)
profil-mask F-1552
profil za ugradnju FT-0289HF
termoizolacija (exp.spužvica:
Iso Chemie: ISO Bloco One)
vijak za ugradnju (npr.430.073)
(npr. Fischer FFS 7.5 x 72)
parna brana (paro- i vodonepropusna traka)
(npr. Iso Chemie: Iso Connect Inside CX)
unutarnja obrada i završni izgled

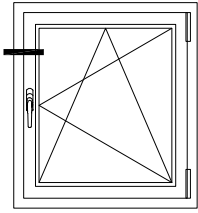
aluminium window sill attached screw
thermal insulation
weather protection (vapourpermable
and water proof tape)
(eg. Iso Chemie: Iso-Connect Outside CX)
profile-mask F-1552
installation profile FT-0289HF
thermal insulation (Expanding joint sealing
foam tape: Iso Chemie ISO Bloco One)
Installation screw (eg. 430.073)
(eg. Fischer FFS 7.5 x 72)
vapour (Air tight) barrier (vapour and water proof
tape), (eg. Iso Chemie: Iso-Connect Inside CX)
inside finish



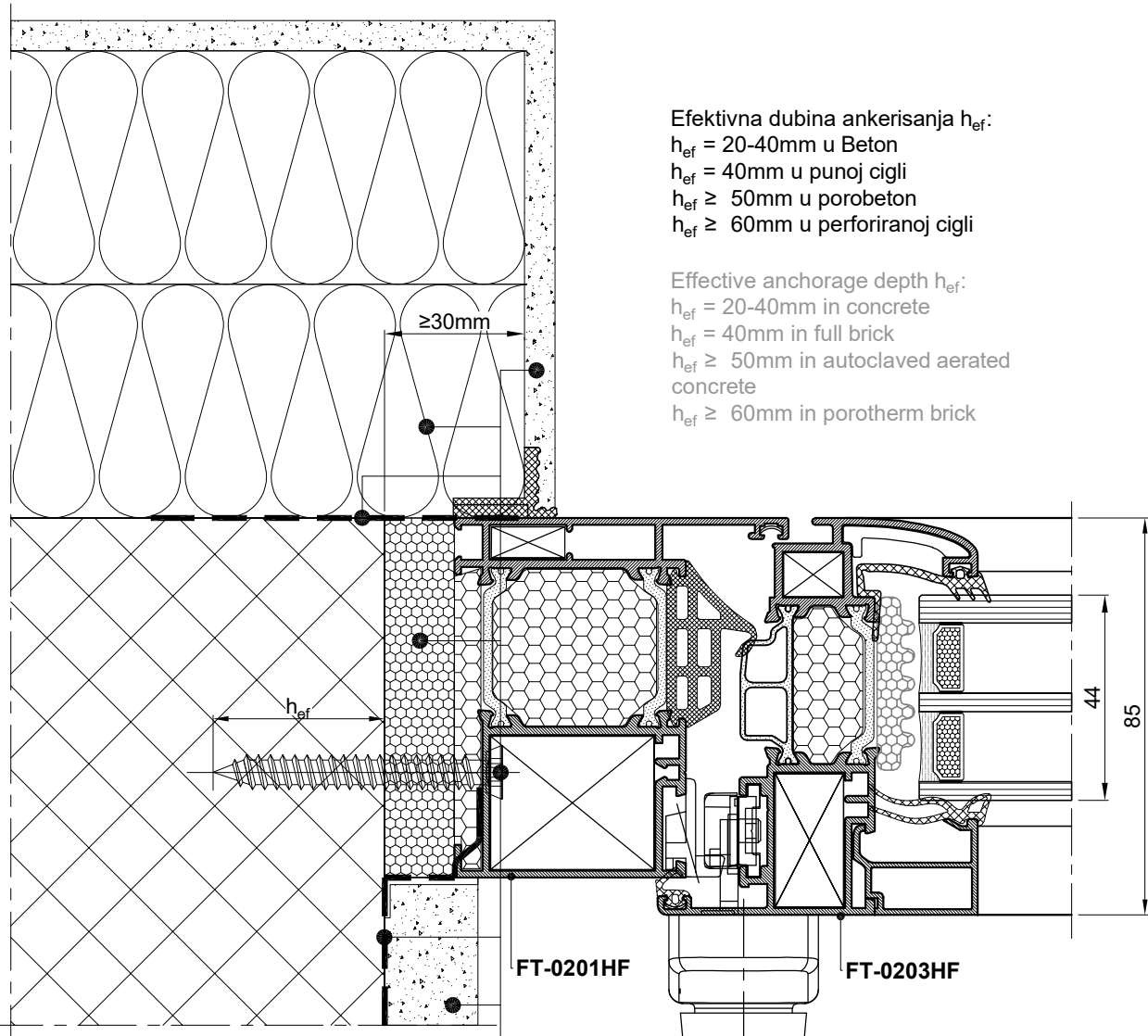
Koeficijent prolaza topline presjeka
 $U_f = 1.2 \text{ W/m}^2\text{K}$
Heat transfer coefficient of cross section
 $U_f = 1.2 \text{ W / m}^2\text{K}$

Efektivna dubina ankerisanja h_{ef} :
 $h_{ef} = 20\text{-}40\text{mm}$ u Beton
 $h_{ef} = 40\text{mm}$ u punoj cigli
 $h_{ef} \geq 50\text{mm}$ u porobeton
 $h_{ef} \geq 60\text{mm}$ u perforiranoj cigli

Effective anchorage depth h_{ef} :
 $h_{ef} = 20\text{-}40\text{mm}$ in concrete
 $h_{ef} = 40\text{mm}$ in full brick
 $h_{ef} \geq 50\text{mm}$ in autoclaved aerated
concrete
 $h_{ef} \geq 60\text{mm}$ in porotherm brick



Ugradnja prema RAL standardu
Installation for RAL standards



Efektivna dubina ankerisanja h_{ef} :

$h_{ef} = 20-40\text{mm}$ u Beton

$h_{ef} = 40\text{mm}$ u punoj cigli

$h_{ef} \geq 50\text{mm}$ u porobeton

$h_{ef} \geq 60\text{mm}$ u perforiranoj cigli

Effective anchorage depth h_{ef} :

$h_{ef} = 20-40\text{mm}$ in concrete

$h_{ef} = 40\text{mm}$ in full brick

$h_{ef} \geq 50\text{mm}$ in autoclaved aerated concrete

$h_{ef} \geq 60\text{mm}$ in porotherm brick

vanjska obrada i završni izgled
termoizolacija
hidroizolacija (paropropusna
i vodonepropusna traka)
(npr. Iso Chemie: Iso Connect Outside CX)
termoizolacija (exp.spužvica: Iso Chemie:
ISO Bloco One)
vijak za ugradnju (npr.430.184)
(npr. Fischer FFS 7.5 x 62)
parna brana (paro- i vodonepropusna traka)
(npr. Iso Chemie: Iso Connect Inside CX)
unutarnja obrada i završni izgled

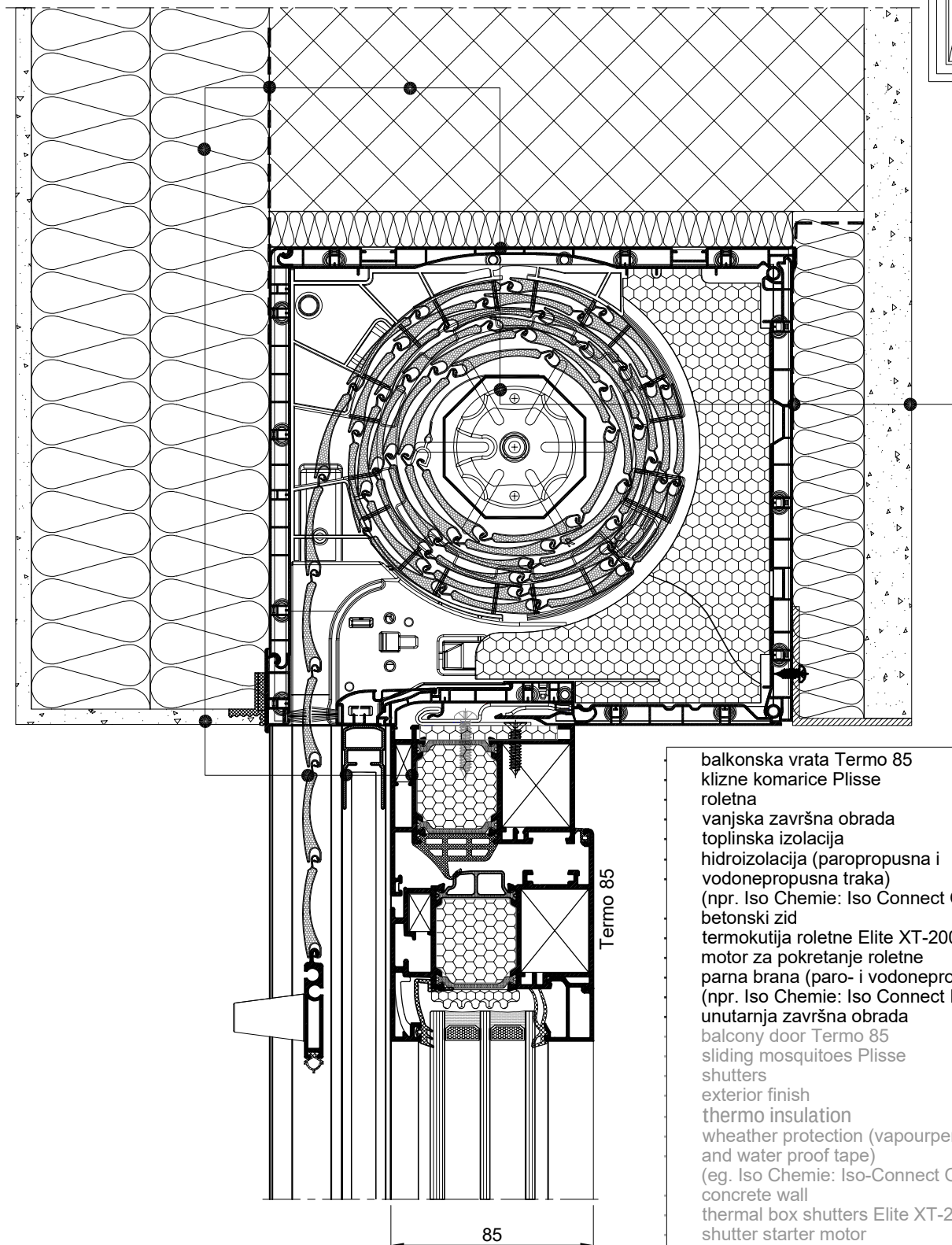
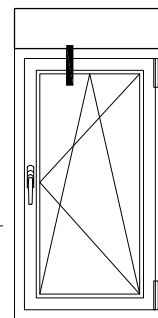
outside finish
thermal insulation
weather protection (vapourpermeable
and water proof tape)
(eg. Iso Chemie: Iso Connect Outside CX)
thermal insulation (Expanding joint sealing foam tape:
Iso Chemie ISO Bloco One)
Installation screw (eg. 430.184)
(eg. Fischer FFS 7.5 x 62)
vapour (Air tight) barrier (vapour and water proof tape)
(eg. Iso Chemie: Iso Connect Inside CX)
inside finish

Koeficijent prolaza topline presjeka

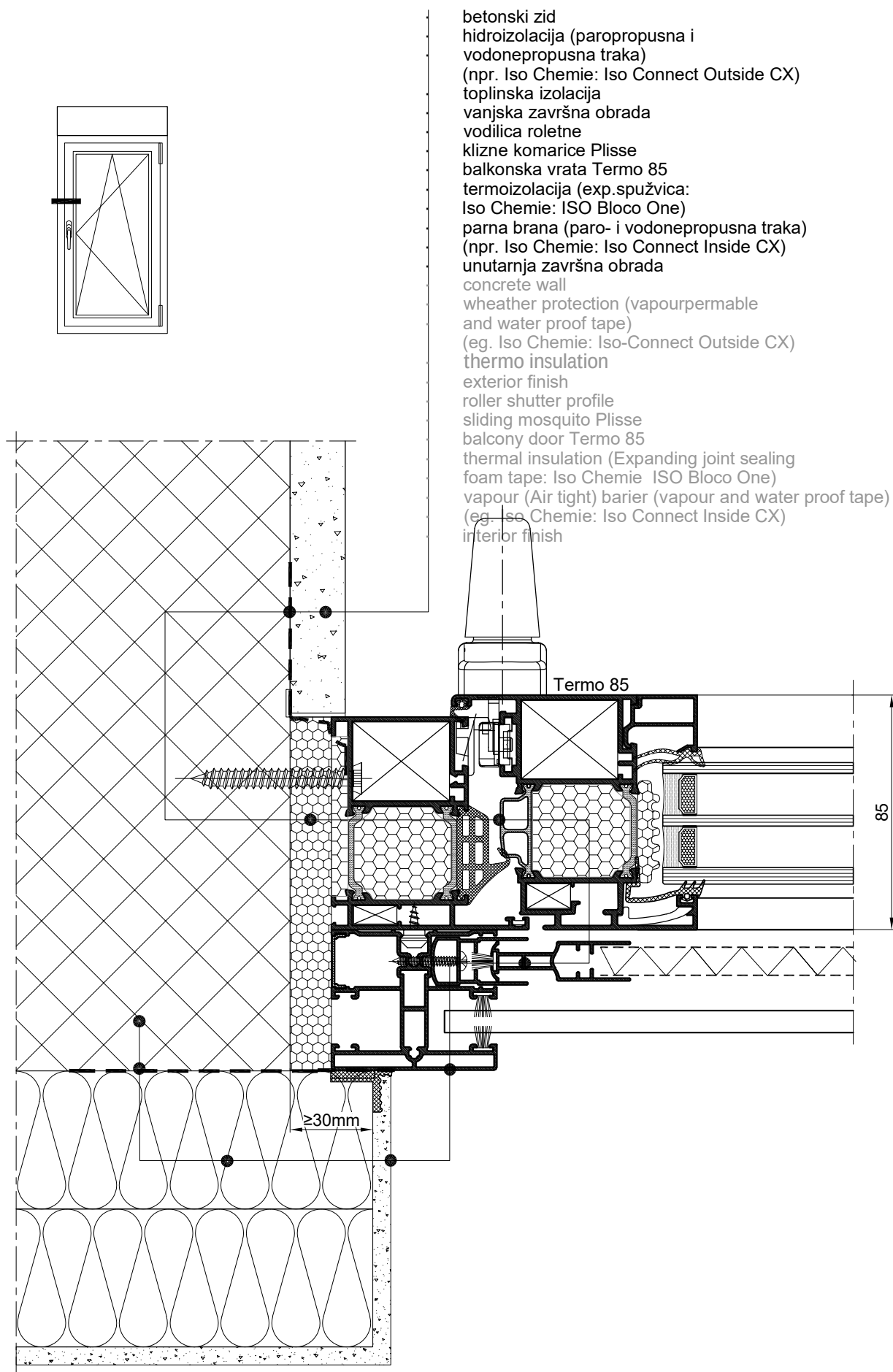
$U_f = 1.2 \text{ W/m}^2\text{K}$

Heat transfer coefficient of cross section

$U_f = 1.2 \text{ W / m}^2\text{K}$

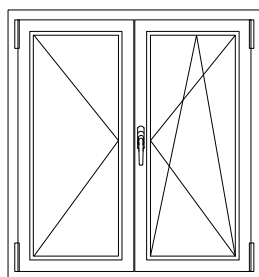
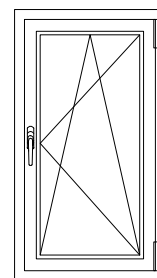
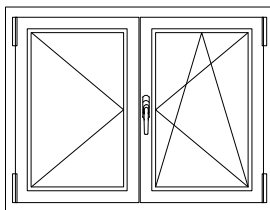
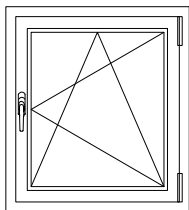


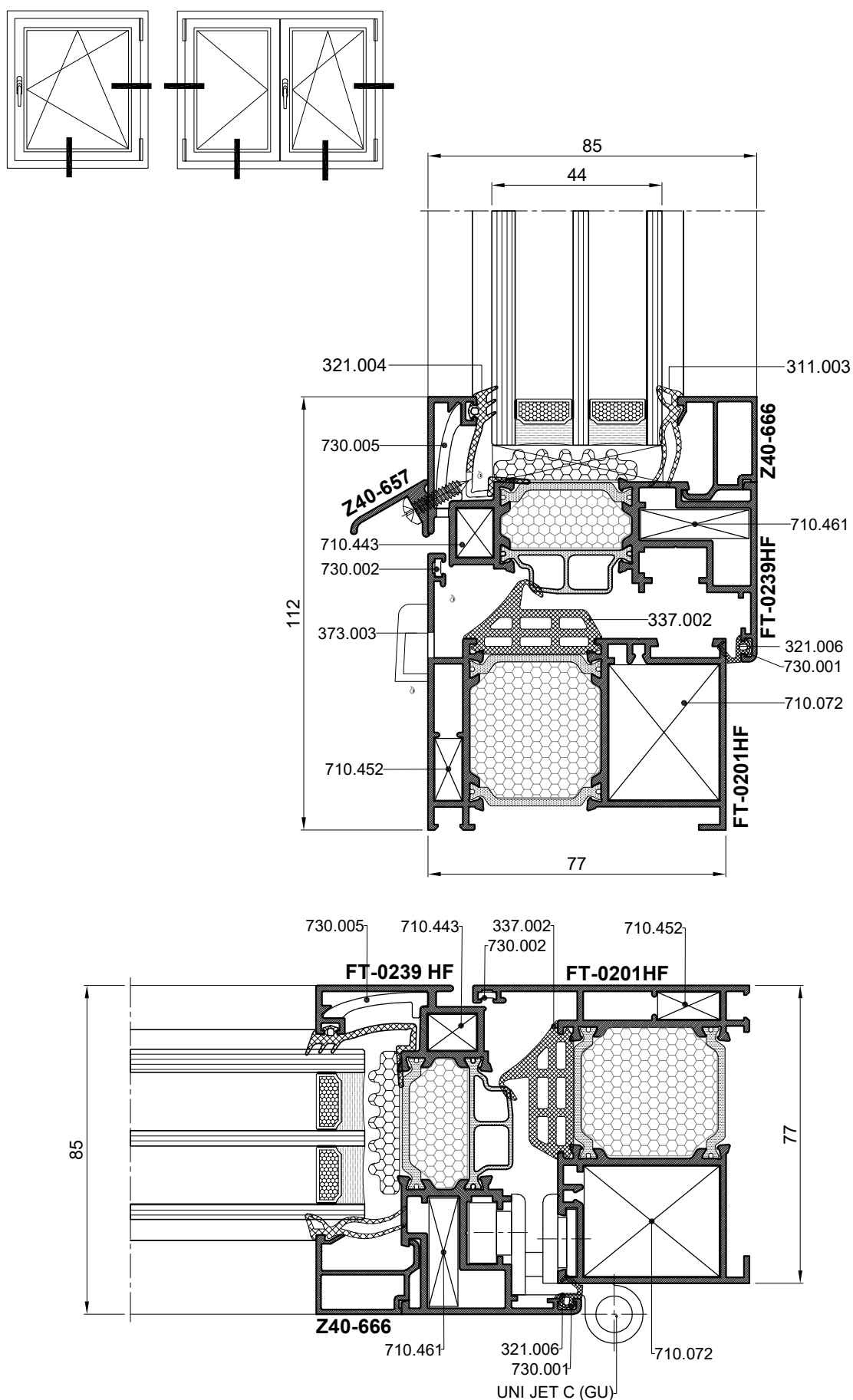
balkonska vrata Termo 85
 klizne komarice Plisse
 roletna
 vanjska završna obrada
 toplinska izolacija
 hidroizolacija (paropropusna i
 vodonepropusna traka)
 (npr. Iso Chemie: Iso Connect Outside CX)
 betonski zid
 termokutija roletne Elite XT-200x220
 motor za pokretanje roletne
 parna brana (paro- i vodonepropusna traka)
 (npr. Iso Chemie: Iso Connect Inside CX)
 unutarnja završna obrada
 balcony door Termo 85
 sliding mosquitoes Plisse
 shutters
 exterior finish
 thermo insulation
 weather protection (vapourpermeable
 and water proof tape)
 (eg. Iso Chemie: Iso-Connect Outside CX)
 concrete wall
 thermal box shutters Elite XT-200x220
 shutter starter motor
 vapour (Air tight) barrier (vapour and water
 proof tape)
 (eg. Iso Chemie: Iso Connect Inside CX)
 interior finish

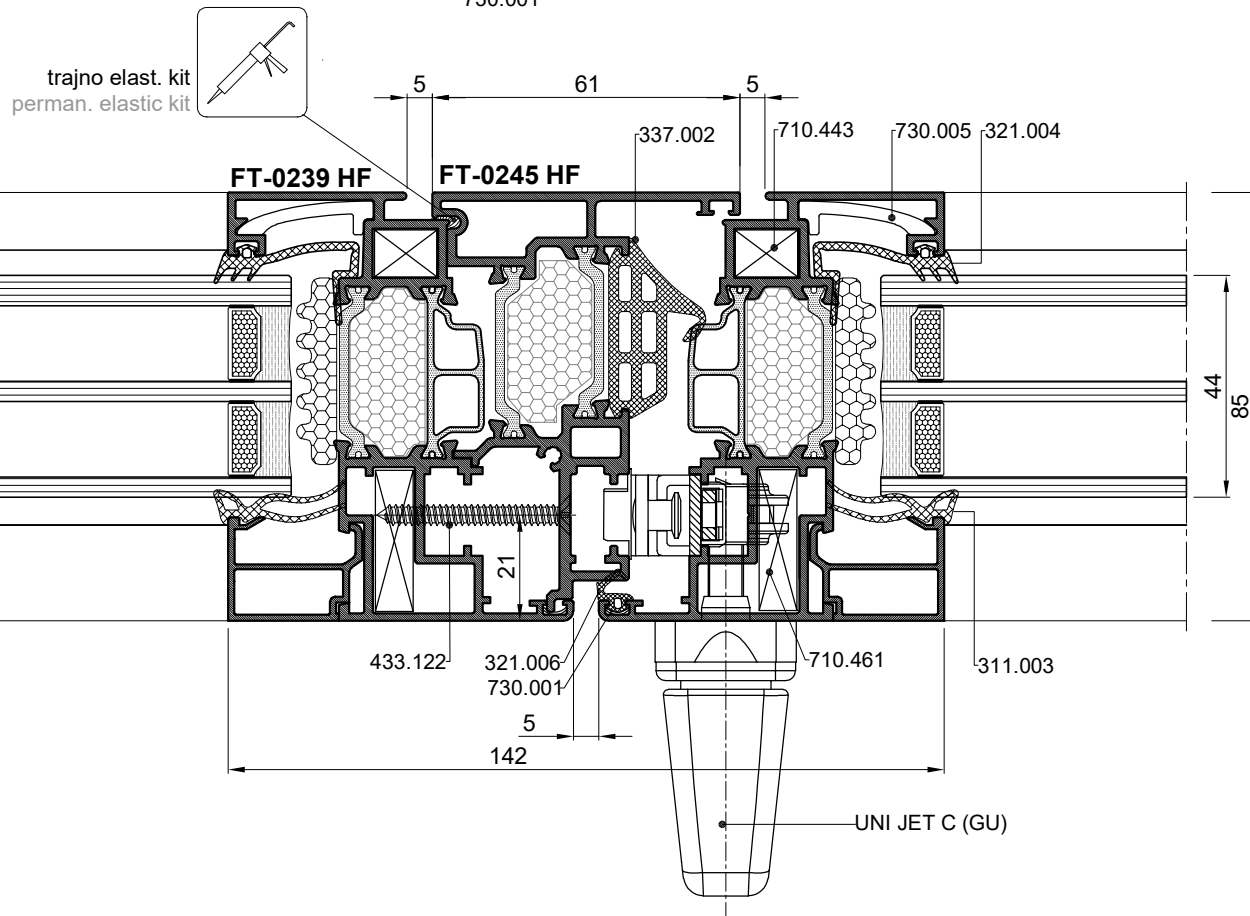
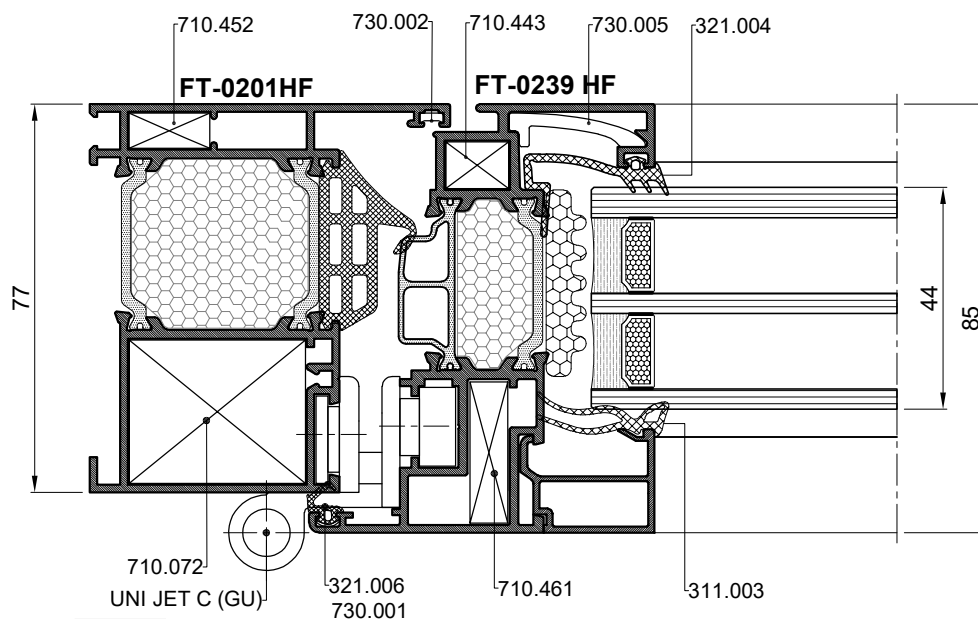
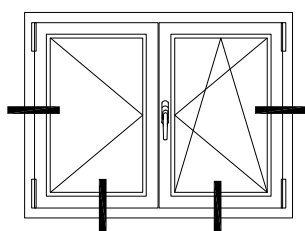


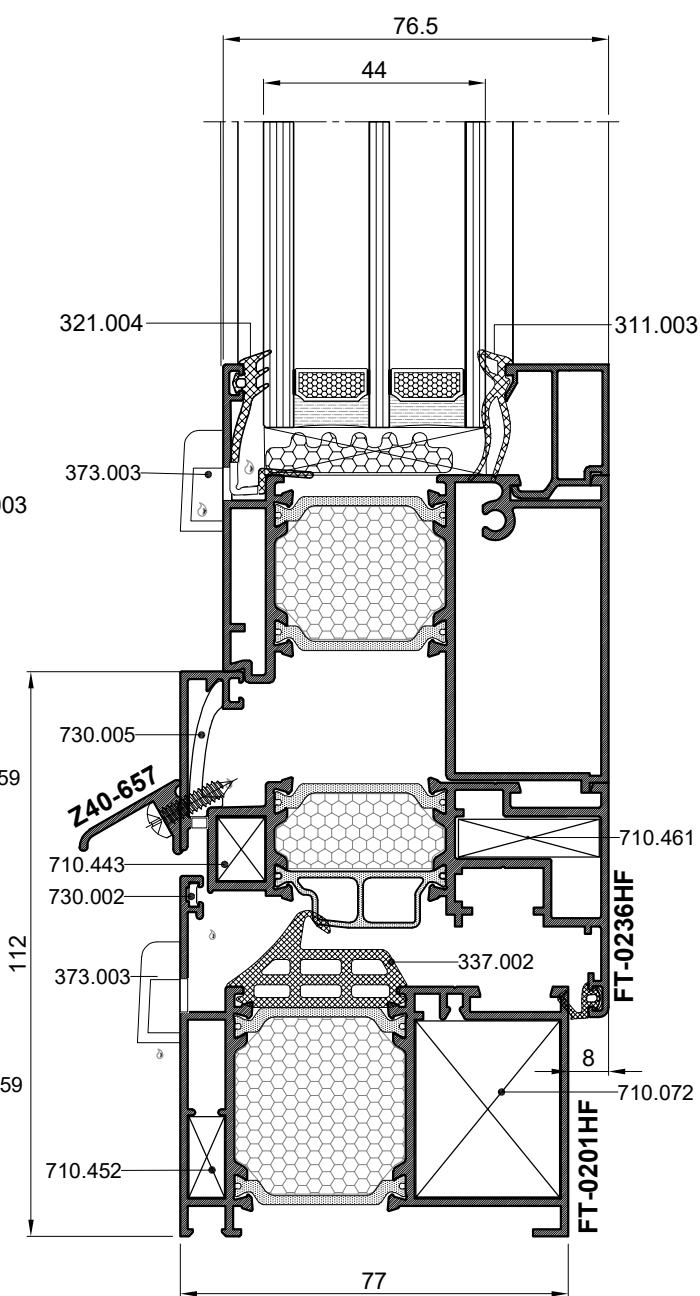
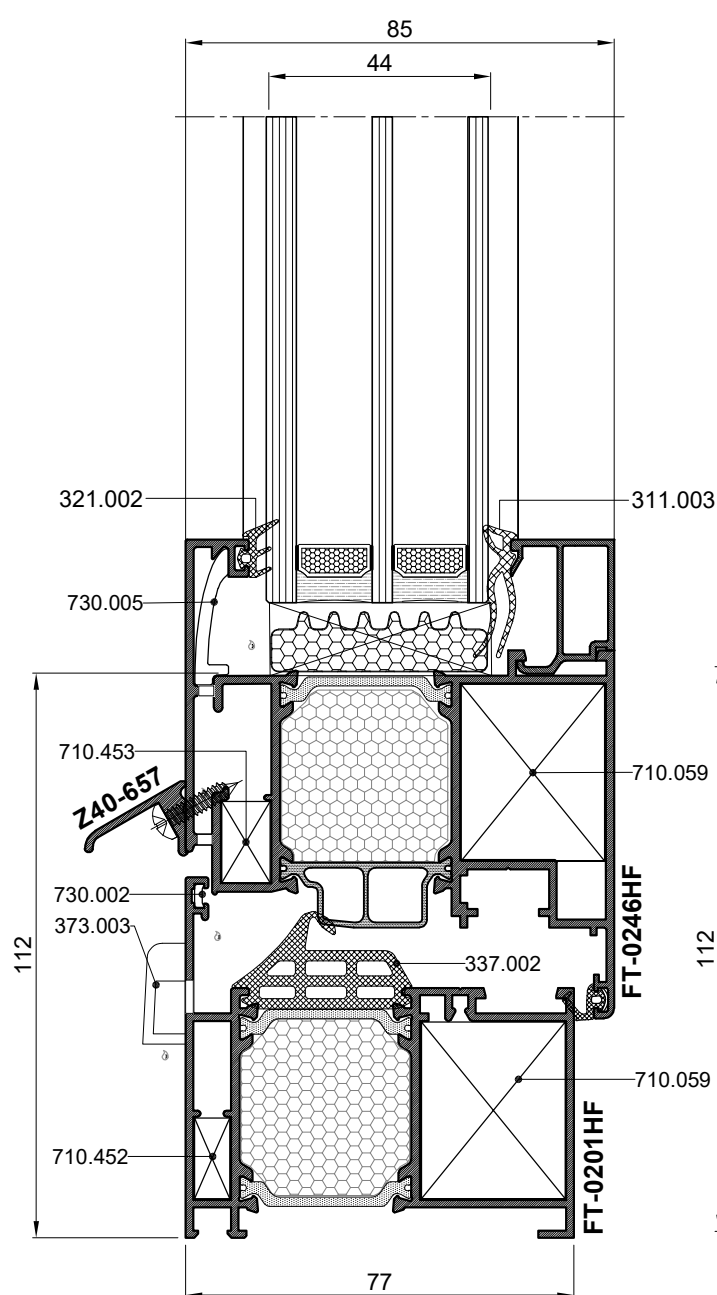
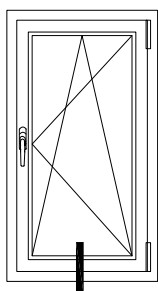
Profili sa žlijebom 16/13

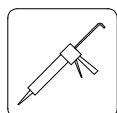
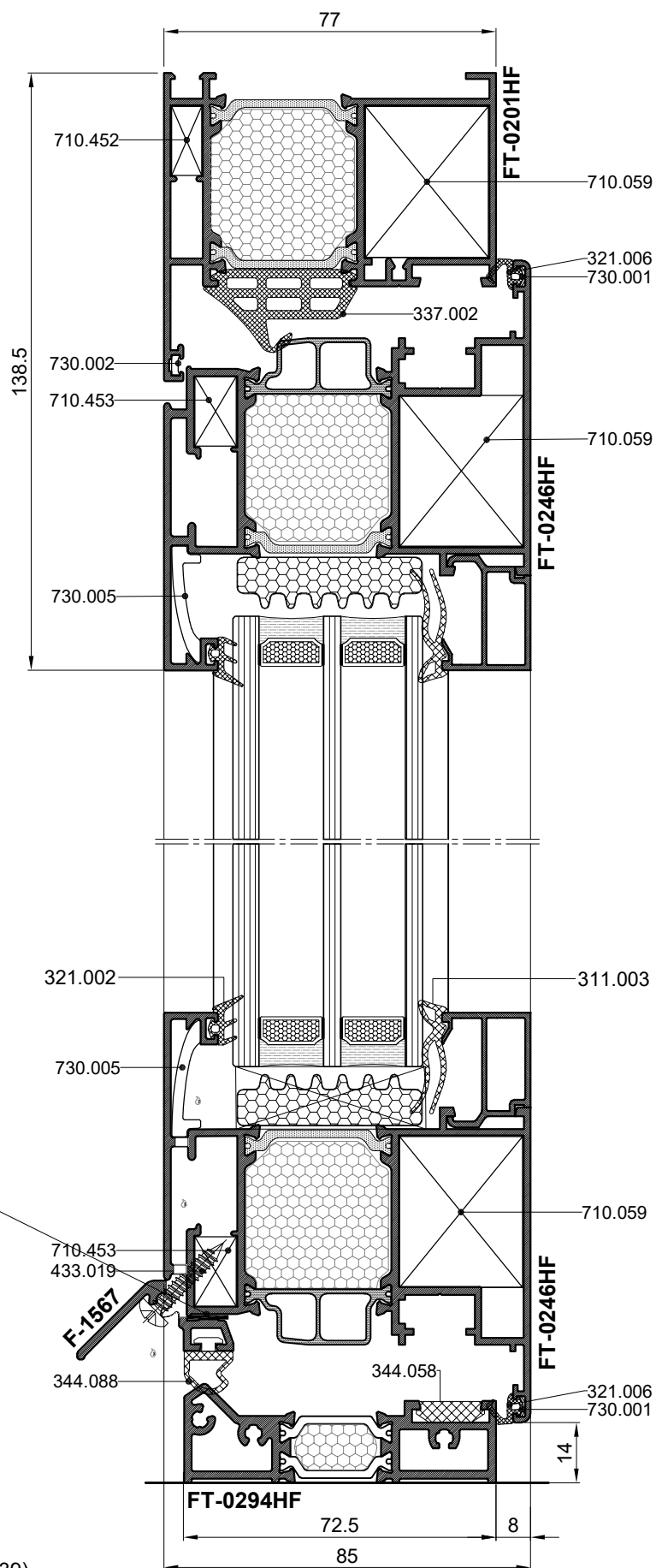
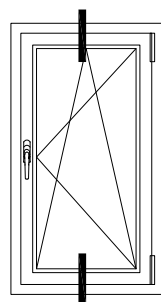
Grooved profiles 16/13



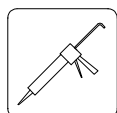
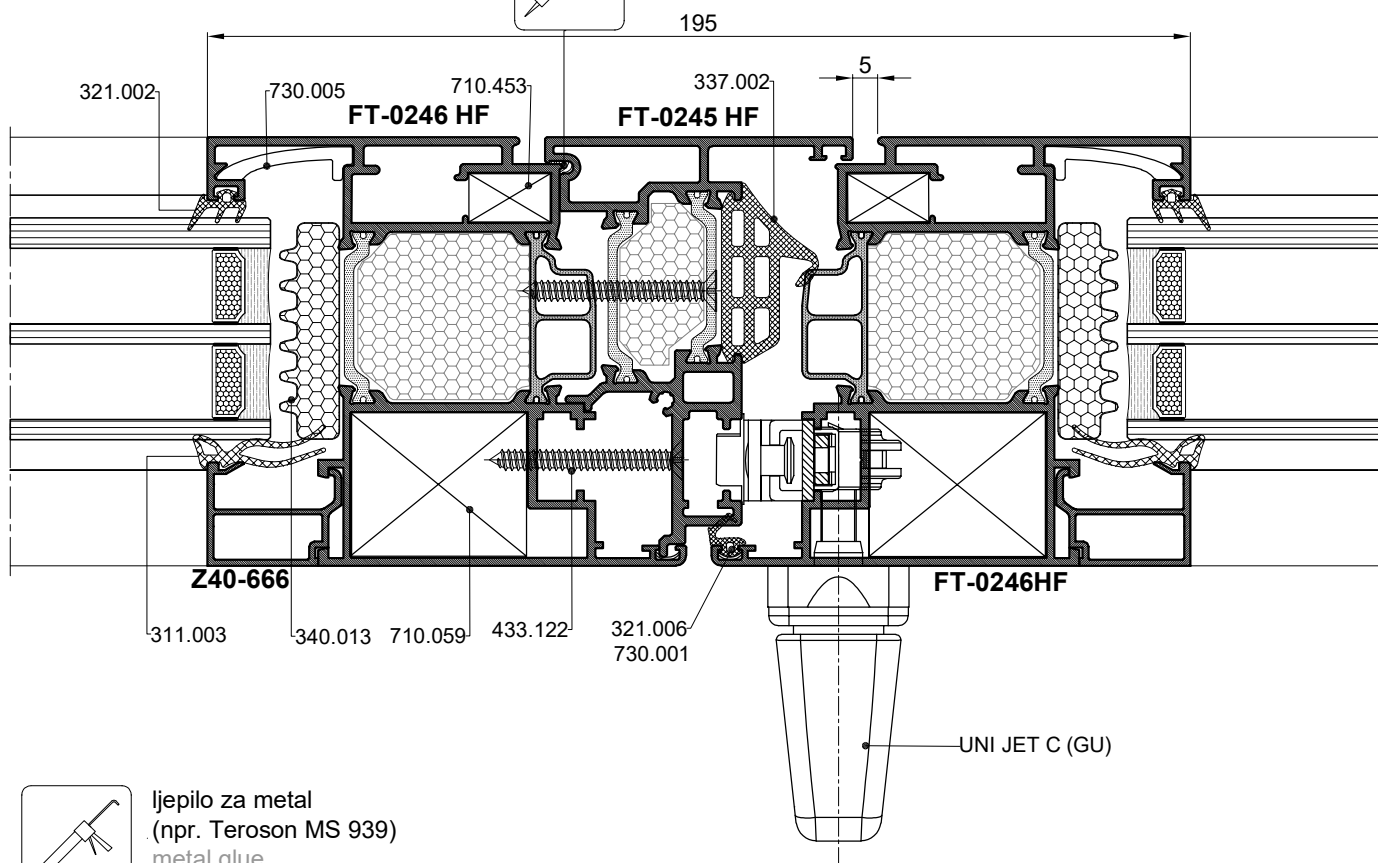
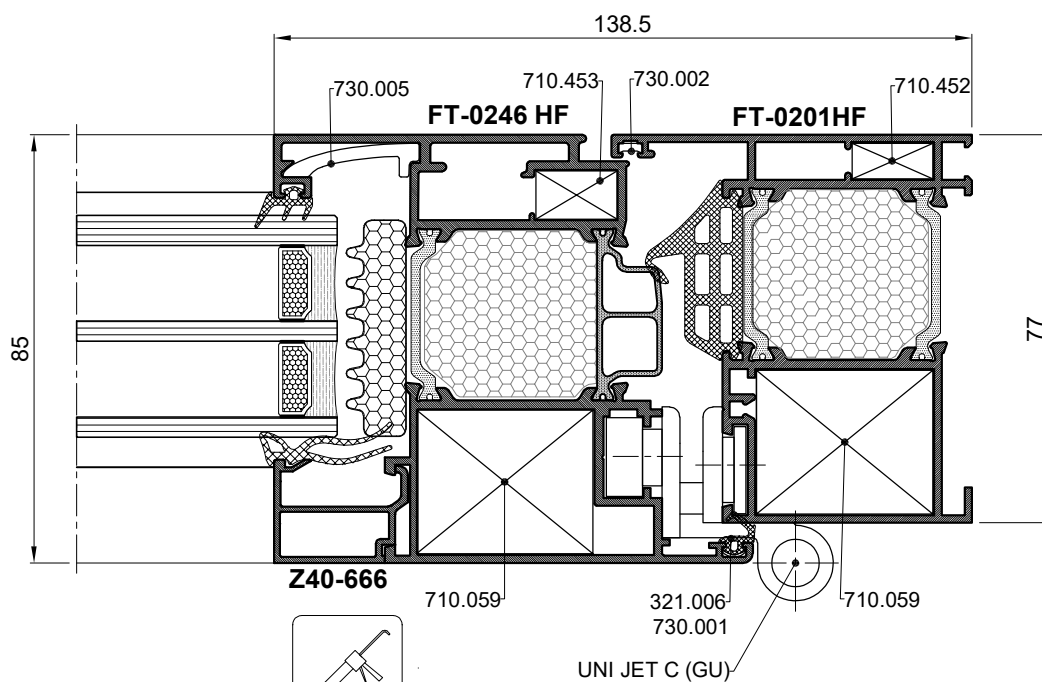
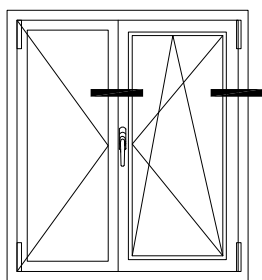








ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)



ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

FEAL



Skenirajte QR kod i registrirajte
se na partner.feal.ba

*Scan the QR code and register
on partner.feal.ba*

TERMO 85

Knjiga A / *Book A*

Lipanj 2020 / June 2020

FEAL d.o.o.

Trnska cesta 146

88220 Široki Brijeg

Bosna i Hercegovina

Tel. +387 39 704-269; 705-807; 705-636

Fax. +387 39 704-358

info@feal.ba

www.feal.ba