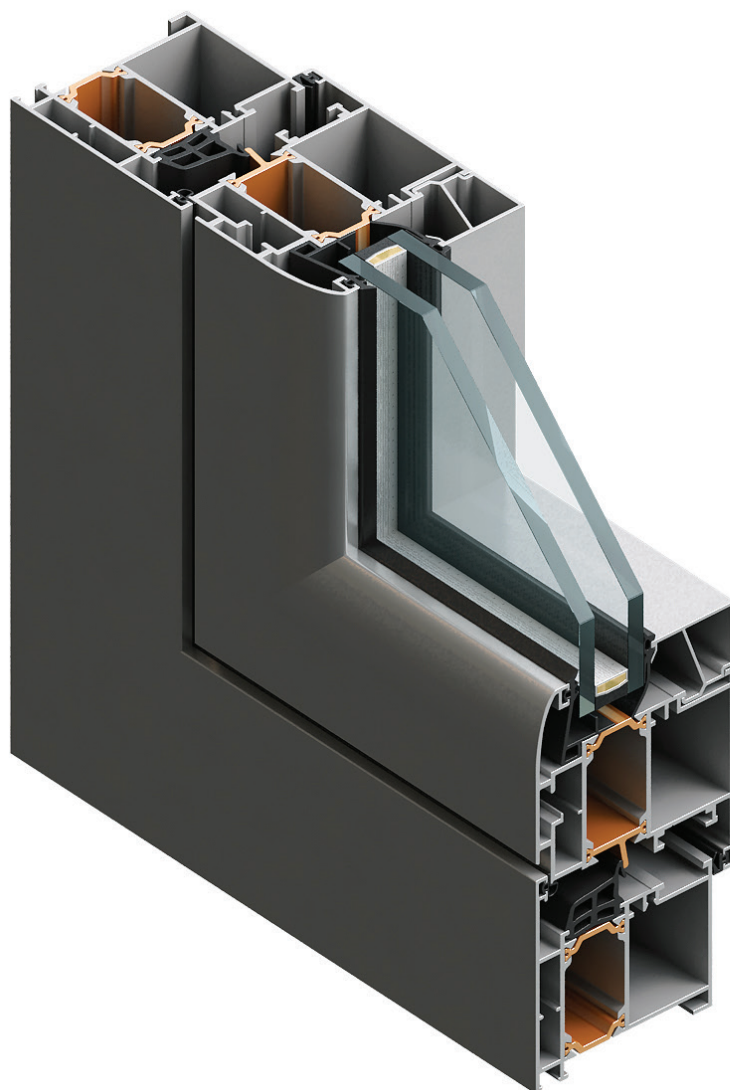


FEAL



TERM0 65

PROZORI I VRATA
WINDOWS AND DOORS

Knjiga A / *Book A*

SADRŽAJ CONTENT

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Značajke sistema

System characteristics

OPIS SISTEMA:

Sistem TERMO 65 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 65 i 73 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 22 mm.

Radi dodatnog poboljšanja termičkih karakteristika profila, u komore se ugrađuju profili 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.....	9-59 mm
-zrakopropusnost.....	EN 12207 (klasa 4)
-vodonepropusnost.....	EN 12208 (klasa 9A)
-zaštita od buke.....	DIN 4109 ($R_w=38 \text{ dB}$)
-protuprovalnost.....	EN 1627 (RC2, RC3)
-proračun U_w koeficijenta.....	DIN EN ISO 10077-2 ($\geq 1,3 \text{ Wm}^2/\text{K}$)
-otpornost na udar vjetrova.....	EN 12210 (klasa C5/B5)
-materijal za brtvljenje (EPDM).....	DIN 7863
-površinska obrada.....	DIN 17611
-kontrola kvalitete.....	DIN EN ISO 9001

SYSTEM DESCRIPTION:

The system TERMO 65 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 65 i 73 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 22 mm width

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.

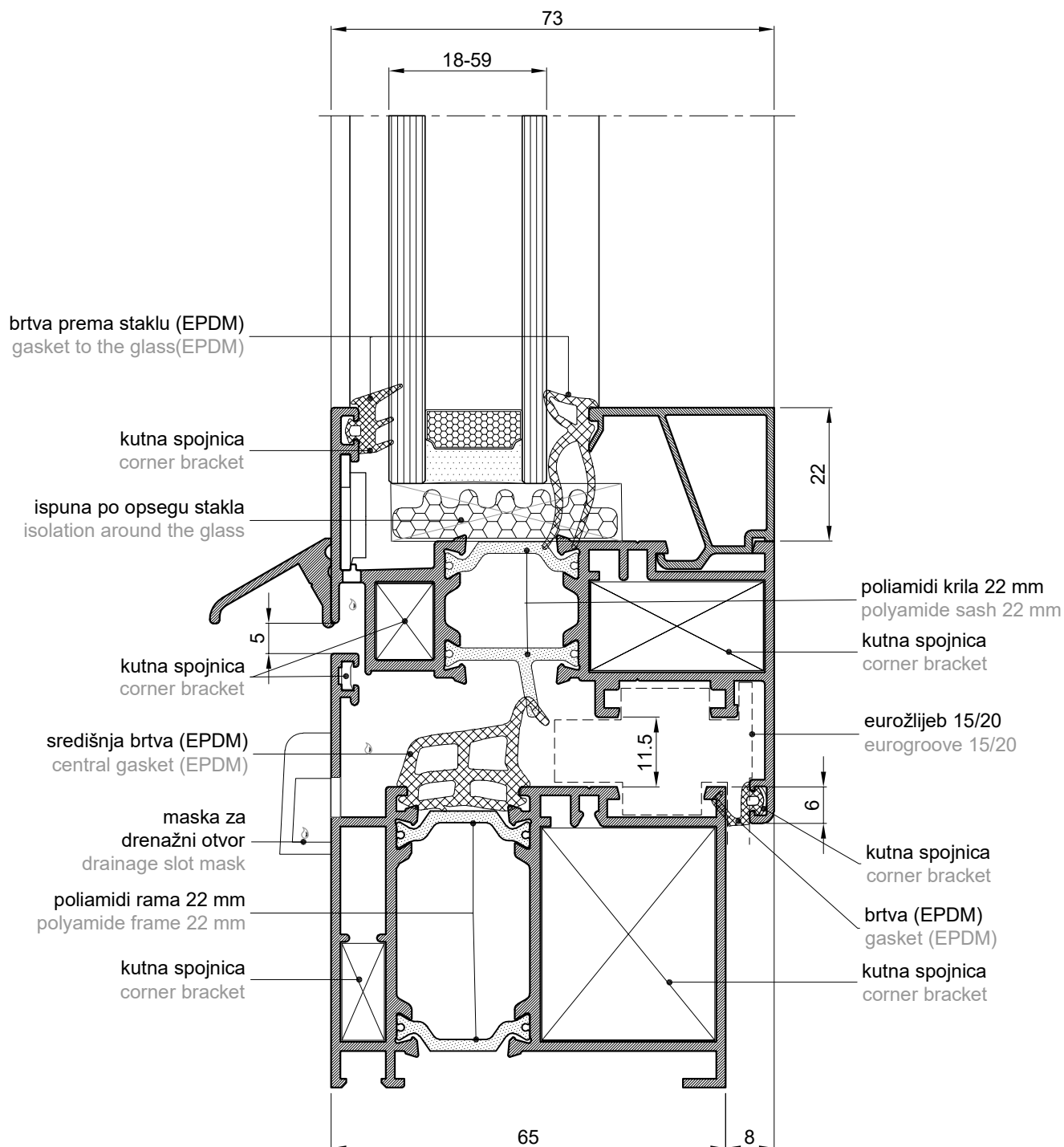
System is compatibilty with facade systems 50FK/KS i 60K/S.

Possibility selection the profile with groove 16/13

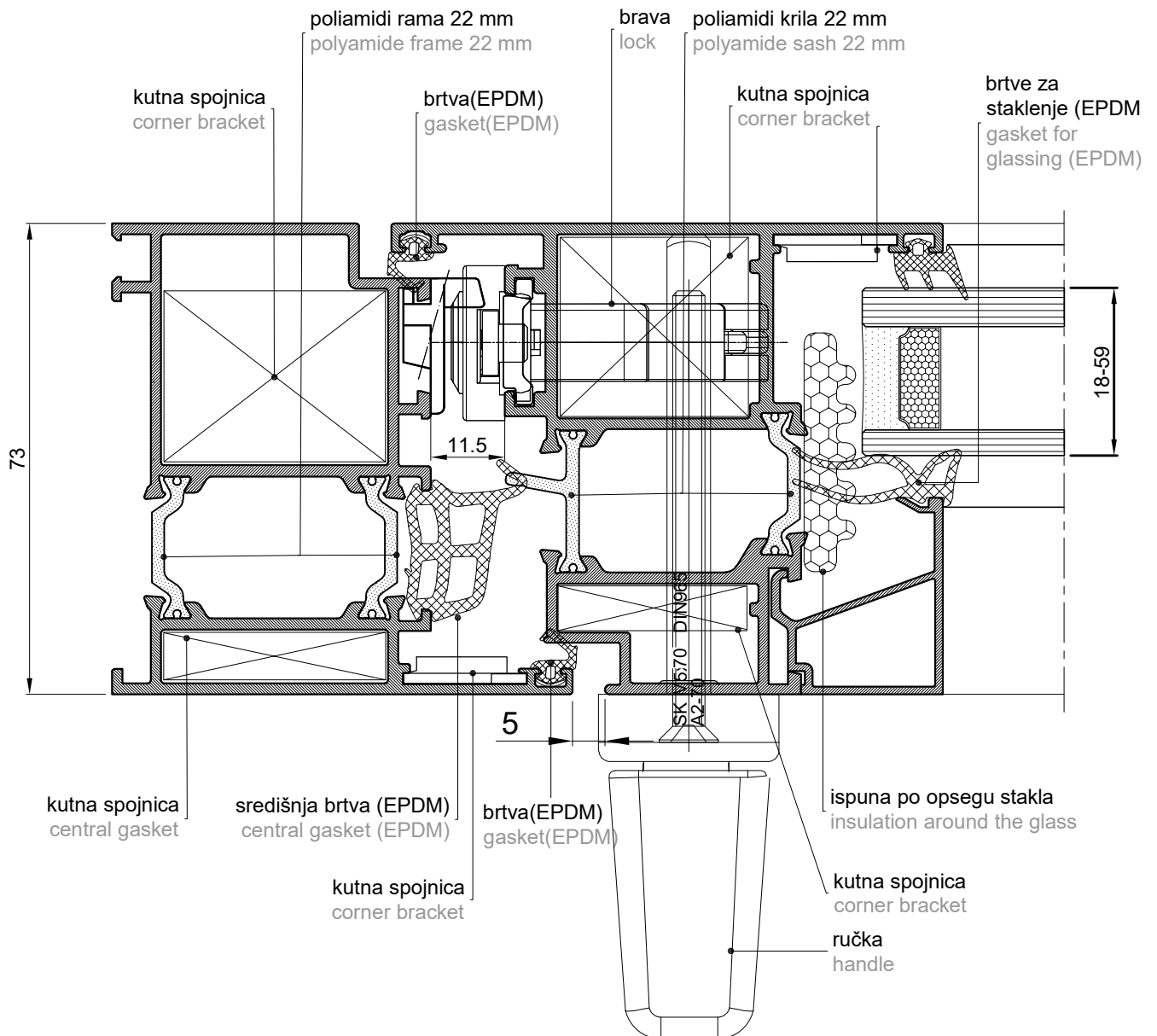
The hardware which are installation in the this system is standard for euro grove and for groove 16/13

System characteristics:

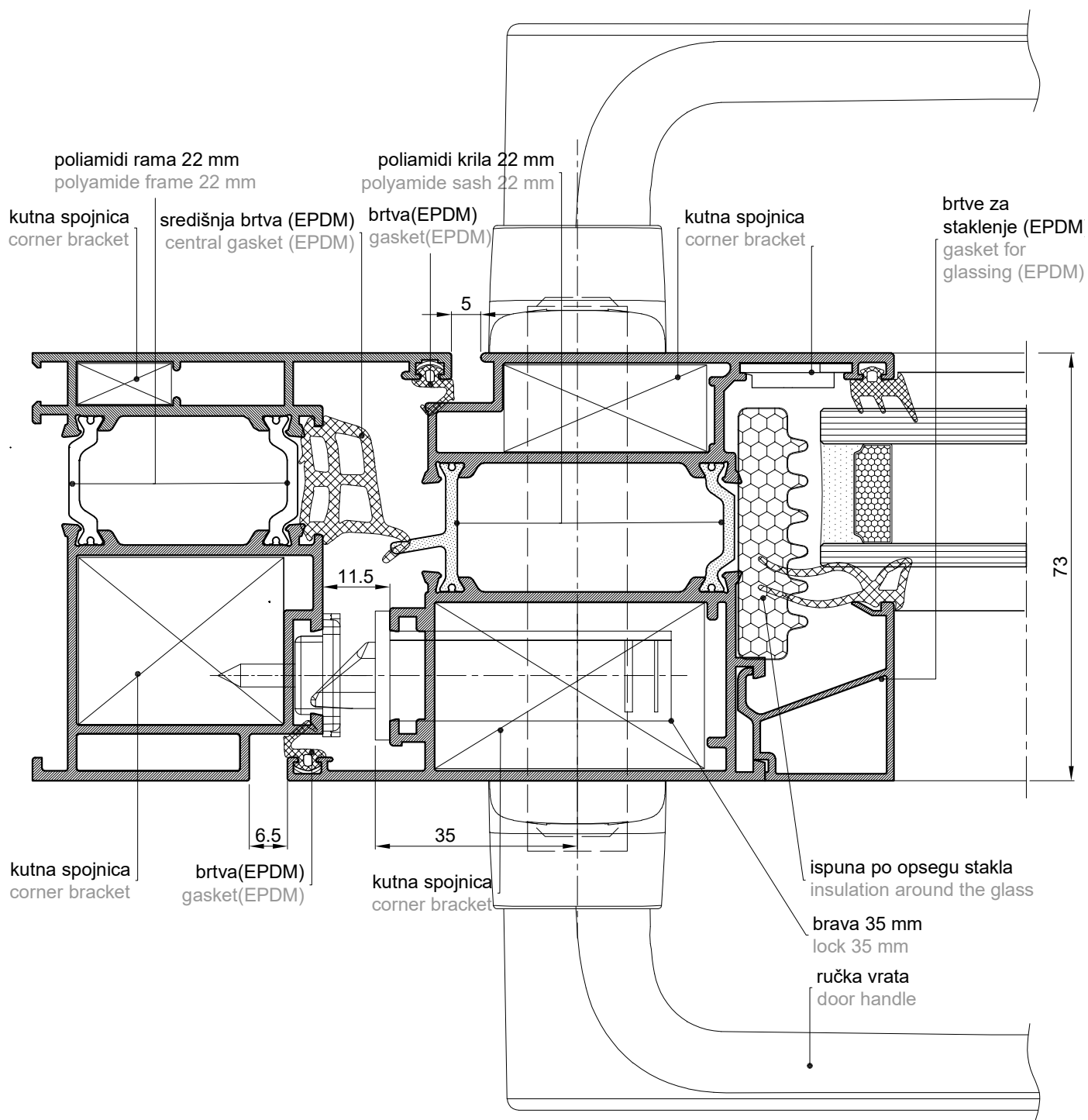
-material.....	EN AW-6060
-mass OZ sash.....	130 kg
-possible infill depth.....	9-59 mm
-air permeability.....	EN 12207 (klasa 4)
-watertightness.....	EN 12208 (klasa 9A)
-airborne sound insulation.....	DIN 4109 ($R_w=38 \text{ dB}$)
-protection against burglary.....	EN 1627 (RC2, RC3)
- U_w calculation.....	DIN EN ISO 10077-2 ($\geq 1,4 \text{ Wm}^2/\text{K}$)
-wind resistance.....	EN 12210 (klasa C45/B5)
-materail for sealing (EPDM).....	DIN 7863
-surface processing.....	DIN 17611
-quality control.....	DIN EN ISO 9001



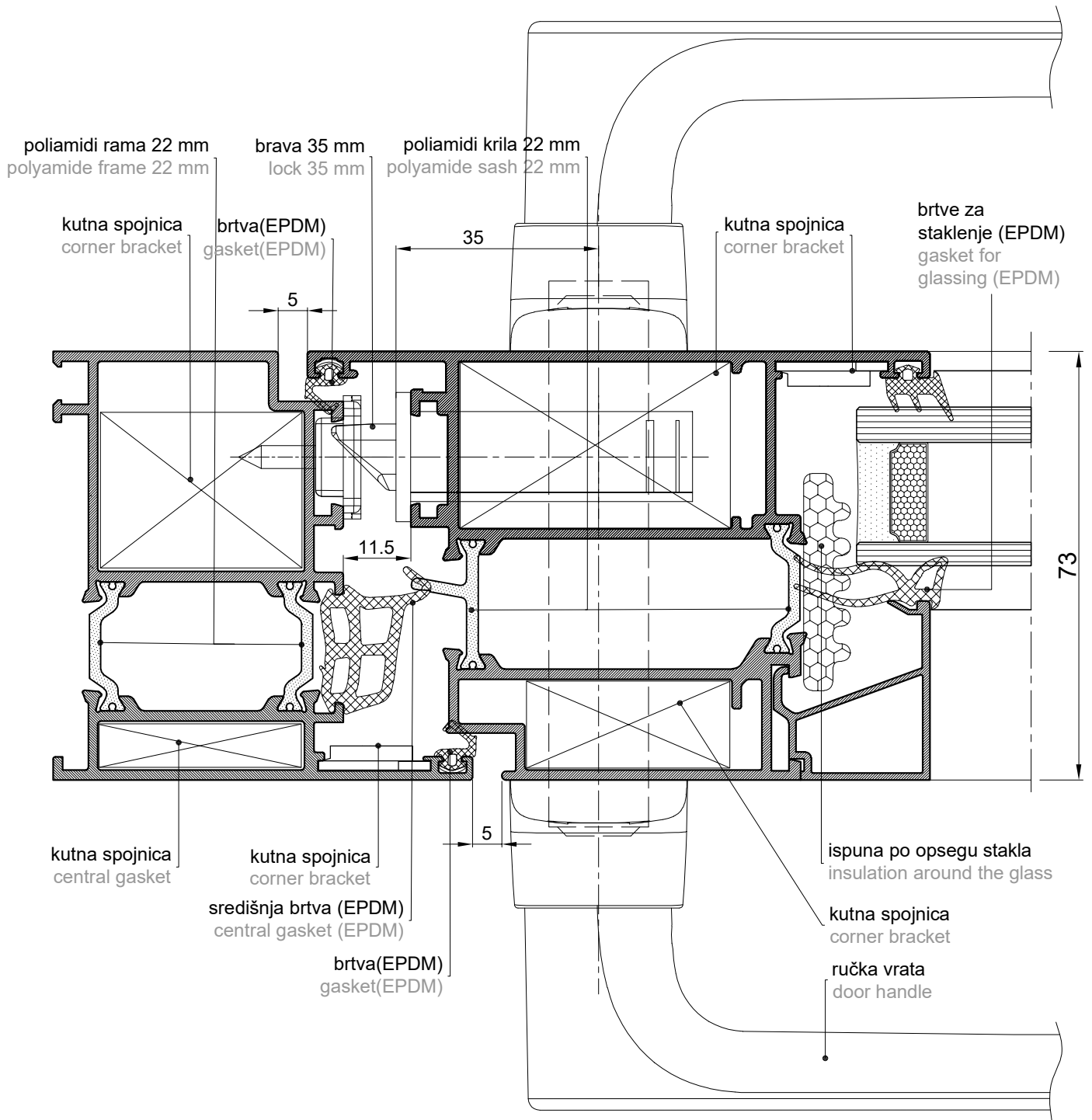
Sistem ravnih linija prozora System straight lines window



Sistem ravnih linija vrata System straight lines door



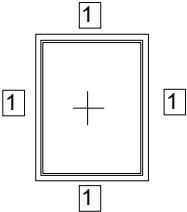
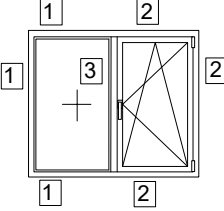
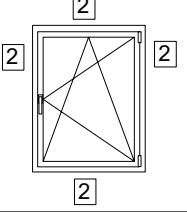
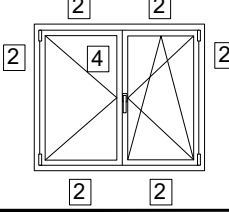
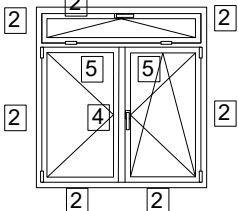
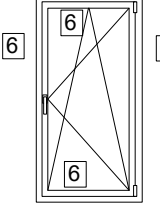
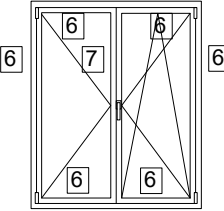
Sistem ravnih linija vrata System straight lines door



Ispitivanja i certifikati

Testing and certificates

ISPITIVANJA I CERTIFIKATI TEST AND CERTIFICATES							
Vrsta ispitivanja Type of test	Jednokr. prozor Single window	Dvokr. prozor Double window	Dvokr. prozor s nadsvijetlom Double window with vent.	Prozor, otv. oko srednje vodor. ose Window, horizontal pivot opening	Jed.balk.vrata Single balcony door	Dvo.balk. vrata Double balcony door	Jedokr. prozor s fiksnim dijelom Single window with fixed part
Zrakopropusnost Air permeability EN12207	class 4	class 4	class 4	class 3	class 4	class 4	class 4
Vodonepropusnost Watertightness EN 12208	E900	9A	9A	E900	8A	9A	8A
Vjetronepropusnost Resistance to wind EN 12210	C5/B5	C4/B4	C4/B4	C4/B4	C4/B4	C3/B3	C5/B5
Buka Rw Airborne sound reduction EN ISO 717-1	38 dB						
Protuprovalnost Protection against burglary EN 1627	RC2, RC3	RC2			RC2		
Otpornost na istezanje, torziju... Resistance at strain, torsion...	+				+		
Pendtl test Impact resistance test EN 13049	4						
Toplinska provodljivost prozora, u skladu s EN ISO 10077-1, je U_w=1.4 [W/m²K] Thermal conductivity windows, in accordant with EN ISO 10077-1, je U_w=1.4 [W/m²K]							

		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)	2.1 * 2.7							0,7	≥1.1
										* ≥1,2
									1,1	≥1,4
										* ≥1,5
	-otkl.-zao.s fiks. dijelom -tilt & turn with fixed field (1600x1480)	2.1 * 2.7	2.5 * 2.9	2.4 * 2.7					0,7	≥1.3
										* ≥1.4
									1,1	≥1.6
										* ≥1.7
	-otklopno -zaokretno - tilt & turn window (1230x1480)		2.5 * 2.9						0,7	≥1.4
										* ≥1.5
									1,1	≥1.6
										* ≥1.8
	-dvokrilno otklopno -zaokretno -double sash tilt & turn window (1600x1480)		2.5 * 2.9		2.7 * 2.9				0,7	≥1.5
										* ≥1.6
									1,1	≥1.7
										* ≥1.9
	-dvokrilno otkl. -zaok. s nadsvijetlom -double sash tilt & turn with overhead op. (1600x1980)		2.5 * 2.9		2.7 * 2.9	2.5 * 2.8			0,7	≥1.5
										* ≥1.7
									1,1	≥1.8
										* ≥1.9
	-balkonska vrata -balcony door (1100x2200)						2.3 * 2.8		0,7	≥1.3
										* ≥1.5
									1,1	≥1.6
										* ≥1.8
	-dvokrilna balkonska vrata -double balcony door (1600x2200)						2.3 * 2.8	2.4 * 2.9	0,7	≥1.4
										* ≥1.6
									1,1	≥1.7
										* ≥1.9

* 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/>



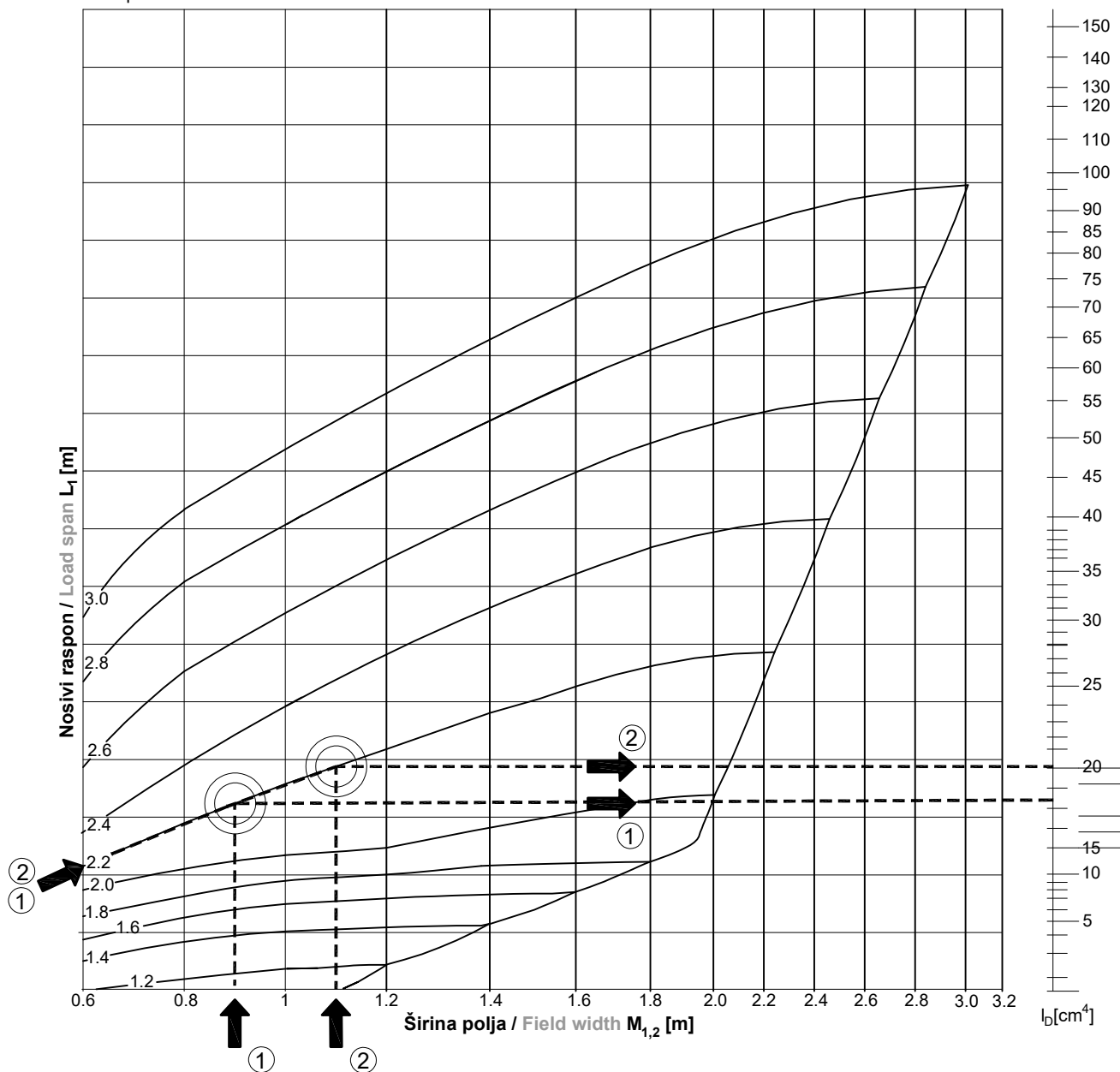
Statički dijagram -opterećenje vjetrom **Structural diagram of wind load**
Trokutasto i trapezoidno opterećenje **Triangular and trapezoidal load**

Osnovni uvjeti

Basic assumptions:

Jed. opterećenje 1.0 kN/m² Unit load 1.0 kN/m²

fdop. / adm. = $L / 200$



Statički dijagram -opterećenje vjetrom Structural diagram of wind load

Trokutasto i trapezoidno opterećenje Triangular and trapezoidal load

Primjer primjene dijagrama opterećenja Example of load diagram application

1. Ulazni podaci / Input data:

Nosivi raspon / Load span:

$$L = 2.20 \text{ m}$$

Širina polja / Field width:

$$M_1 = 0.9 \text{ m}$$

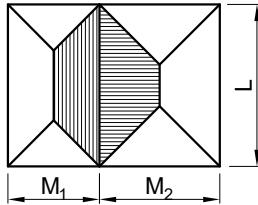
$$M_2 = 1.1 \text{ m}$$

Tlak vjetra*

$$\text{Wind pressure}^* = 0.9 \text{ kN/m}^2$$

Podtlak vjetra*

$$\text{Wind suction}^* = -0.7 \text{ kN/m}^2$$



2. Određivanje potrebnog momenta I_x pod jediničnim opt. 1.0 kN/m^2

Determination of required moment I_x under unit load 1.0 kN/m^2

Vrijednosti momenata inercije iz dijagrama

Values of moment of inertia from diagram :

$$I_{D1} = 18 \text{ cm}^4 \text{ (1 dijagram / diagram)}$$

$$I_{D2} = 20 \text{ cm}^4 \text{ (2 dijagram / diagram)}$$

Zbroj s obje strane

$$\text{Sum of both sides: } I_D = 38 \text{ cm}^4$$

3. Određivanje potrebnog momenta I_x pod opterećenjem na građevini

Determination of required moment I_x under load on the building

Pretpostavljeni tlak vjetra* / Wind pressure assumed*

$$w_p = 0.9 \text{ kN/m}^2$$

$$\text{potrebni / required } I_x = w_p \cdot I_D = 0.9 \cdot 38 \text{ cm}^4 = 34 \text{ cm}^4$$

Pretpostavljeni podtlak vjetra* / Wind suction assumed*

$$w_s = -0.7 \text{ kN/m}^2$$

$$\text{potrebni / required } I_x = w_s \cdot I_D = (-0.7) \cdot 38 \text{ cm}^4 = -26.6 \text{ cm}^4$$

*opterećenje vjetrom mora biti izračunato prema
važećim standardima te poziciji i obliku građevine
*the wind load must be determined according to the valid
standards and to the position and shape of the building.

4. Odabire se veća apsolutna vrijednost: 34 cm^4

Greater absolute value is selected: 34 cm^4

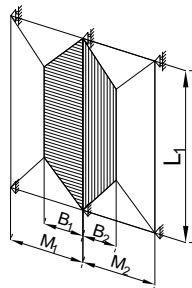
5. Odabrati profil iz tablice

Select the profile from the table

Statičke jednačbe Structural formulas

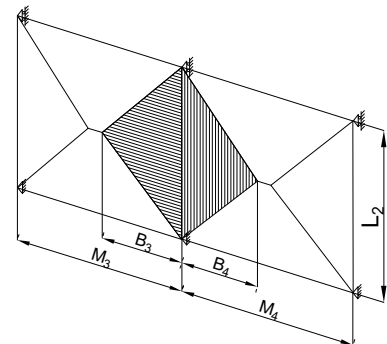
Trapezoidno
opterećenje

$$M_{1,2} < L_1$$



Trokutasto
opterećenje

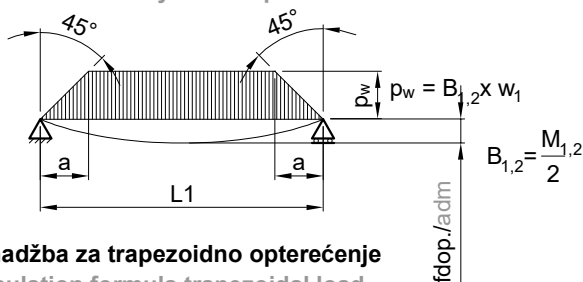
$$M_{3,4} \geq L_2$$



I_x (cm⁴) = Moment inercije / Moment of inertia
 $L_{1,2}$ (cm) = Nosivi raspon opterećenja / Load span
 $B_{1,2}$ (cm) = Širina opterećenja trapezoidnog opterećenja / Load width of trapezoidal load $B_{1,2} = M_{1,2}/2$
 $B_{3,4}$ (cm) = Širina opterećenja trokutasto opterećenja / Load width of triangular load $B_{3,4} = L_2/2$
 w_p (kN/cm²) = Tlak vjetra / Wind pressure
 w_s (kN/cm²) = Podtlak vjetra / Wind suction
 p_w (kN/cm) = Linijsko opterećenje / Line load
 E (kN/cm²) = Modul elastičnosti / Modulus of elasticity $7 \cdot 10^3$
 $fdop.$ / adm. (cm) = dopušteni progib / adm. deflection

Statički sistem trapezoidnog opterećenja

Structural system trapezoidal load



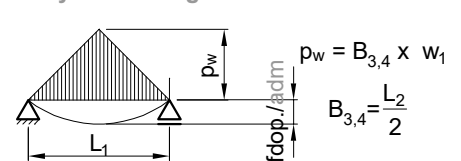
Jednadžba za trapezoidno opterećenje

Calculation formula trapezoidal load

$$I_x = \frac{p_w \cdot L_1^4 \cdot T}{1920 \cdot E \cdot fdop. / adm.} \cdot \left(25 - 40 \frac{a^2}{L_1^2} + 16 \frac{a^4}{L_1^4} \right)$$

Statički sistem trokutastog opterećenja

Statical system triangular load



Jednadžba za trokutasto opterećenje

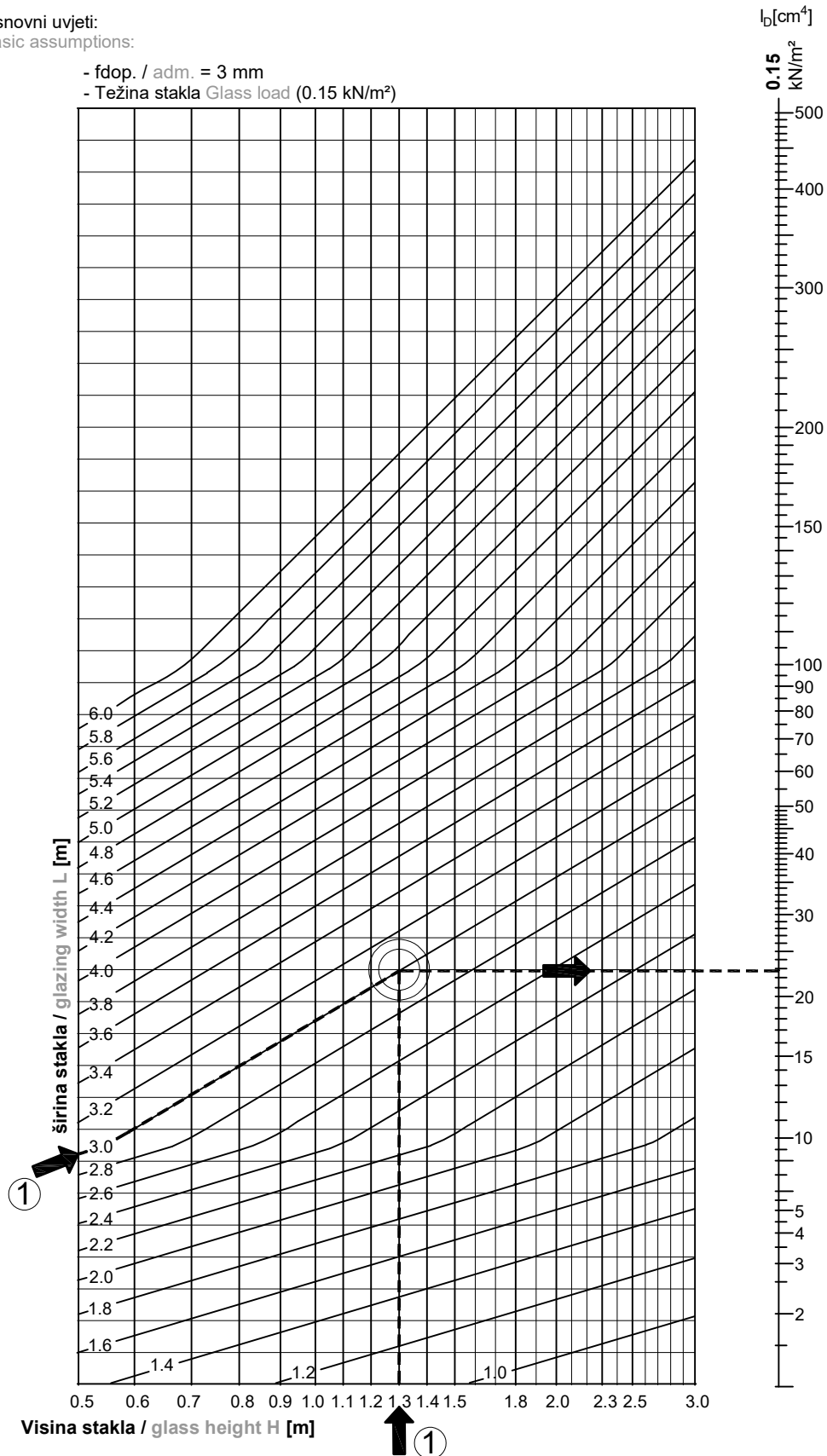
Calculation formula triangular load

$$I_x = \frac{p_w \cdot L_2^4}{120 \cdot E \cdot fdop. / adm.}$$

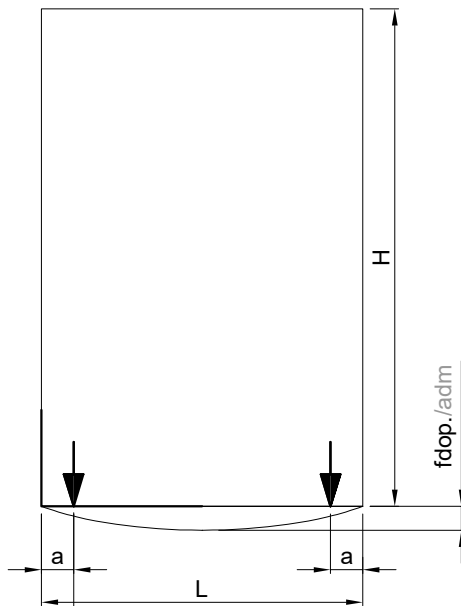
Statički dijagram Težina stakla Structural diagram glass load

Osnovni uvjeti:
Basic assumptions:

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



Statički dijagram Težina stakla Structural diagram glass load



1. Ulazni podaci / Input data:

Širina stakla / Glass width:
 $L = 3.00 \text{ m}$
 Visina stakla / Glass height:
 $H = 1.30 \text{ m}$
 Debljina stakla / Glass thickness:
 $D = 20 \text{ mm}^*$

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

2. Određivanje potrebnog momenta ly pod jediničnim opt. 0.15 kN/m^2 Determination of required moment ly under unit load 0.15 kN/m^2

za / for $q_s 0.15 \text{ kN/m}^2$
 $ly_{0.15} = 23 \text{ cm}^4$ (① dijagram / diagram)

3. Određivanje potrebnog momenta lx pod opterećenjem na objektu Determination of required moment lx under load on the building

Debljina stakla Glass thickness $D=20 \text{ mm} \implies K=3.33$

Potrebni / required $ly = K_{20} \cdot ly_{0.15} = (3.33) \cdot 23 \text{ cm}^4 = 77 \text{ cm}^4$



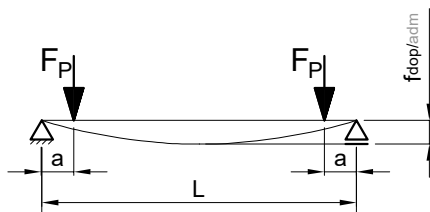
Vlastita težina profila nije uzeta u opterećenje !
 The dead weight of the profile is not considered !

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

Statičke jednadžbe

Structural formulas

Nosač na dva oslonca / Beam on 2 supports



$a = 150 \text{ mm}$ fiksno / fixed

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

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

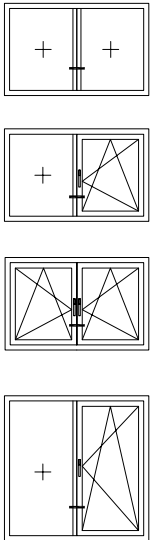
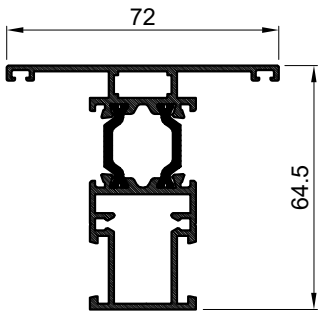
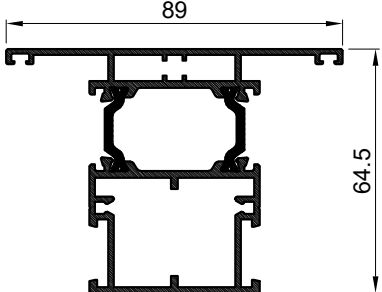
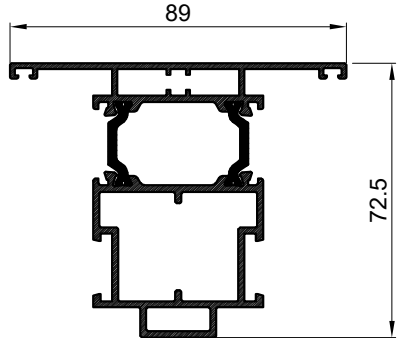
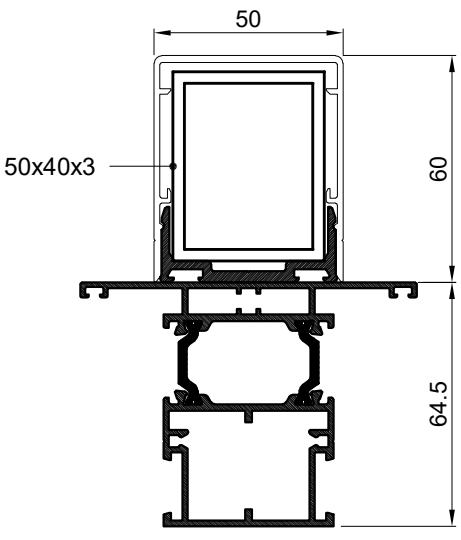
ly (cm^4) = Moment inercije / Moment of inertia
 F_P (kN) = Pojedinačno opterećenje / Single load
 a (cm) = Udaljenost oslonca / Support distance
 H (cm) = Visina stakla / Glass height
 L (cm) = Širina stakla / Glass width
 q_s (kN/cm^2) = Težina stakla / Glass weight
 $fdop. / adm.$ (cm) = dop.progib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

Tablica 1. Težina stakla
 Table 1. Glass weight

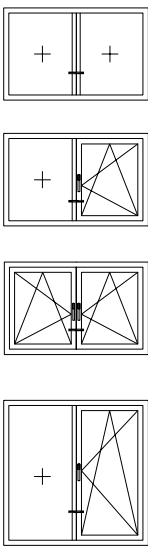
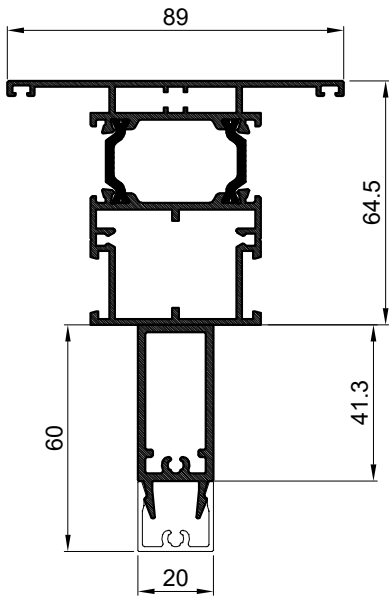
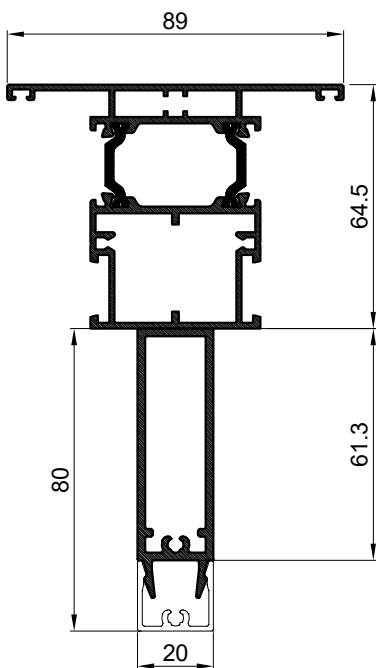
Koeficijent K Coefficient K	1	1.33	1.66	2	2.33	2.66	3	3.33	3.66	4	4.33	4.66	5	5.33	5.66	6	6.33	6.66	7	7.33	7.66	8
kN/m^2	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20	1.25
kg/m^2	15	20	25	30	35	40	45	50	55	60	65	70	80	85	90	95	100	105	110	115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



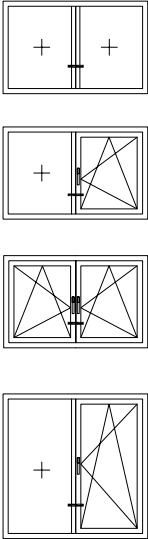
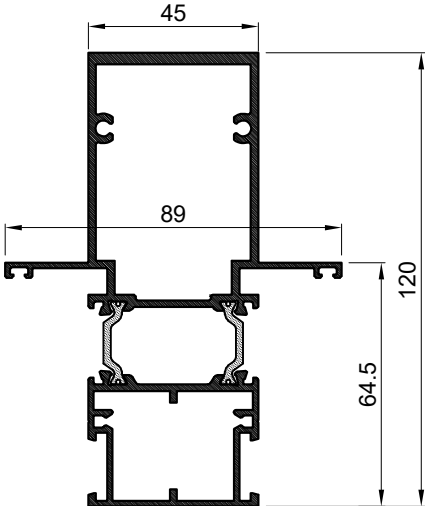
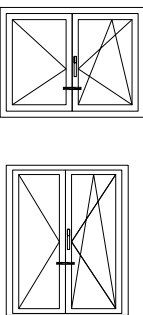
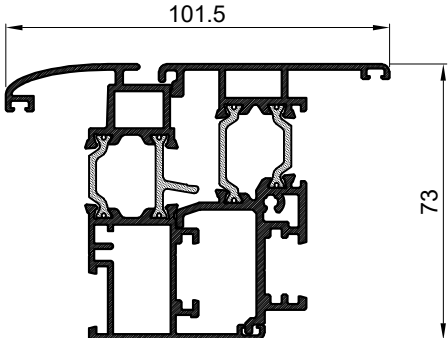
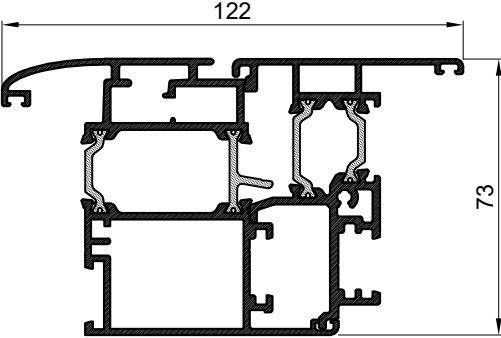
Vrijednosti momenta inercije Moment of inertia values

Tip otvaranja Opening type	Profili Profiles	Izgled View	I_x (cm ⁴)	I_y (cm ⁴)
	FT-0205		17.78	8.91
	FT-0206		23.18	21.51
	FT-0206		30.71	21.67
	FT-0206+ čel.profil 50x40x3		111.76	39.28

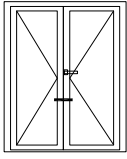
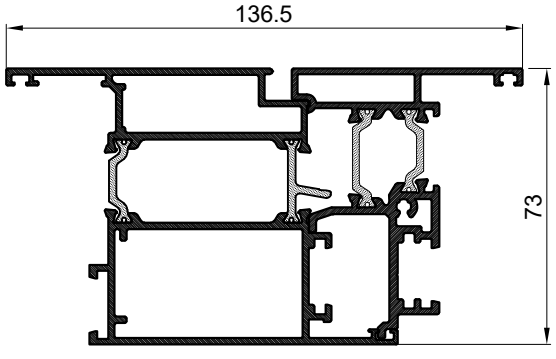
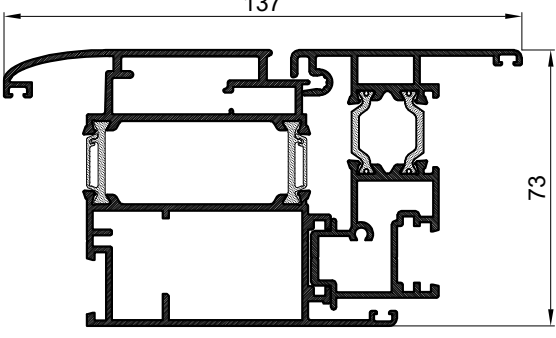
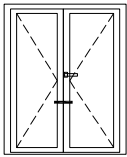
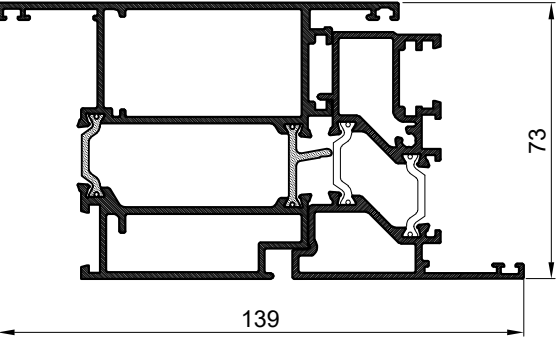
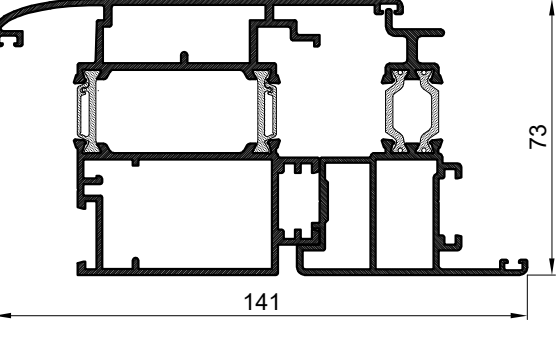
Vrijednosti momenta inercije
Moment of inertia values

Tip otvaranja Opening type	Profili Profiles	Izgled View	I_x (cm ⁴)	I_y (cm ⁴)
	FT-0206+ F-1634		92.47	23.21
	FT-0206+ NP-4183		142.36	23.85

Vrijednosti momenta inercije
Moment of inertia values

Tip otvaranja Opening type	Profili Profiles	Izgled View	I_x (cm ⁴)	I_y (cm ⁴)
	FT-0209		108.01	34.73
	FT-0286 + FT-0203		43.12	43.94
	FT-0286 + FT-0204		52.84	87.96

Vrijednosti momenta inercije
 Moment of inertia values

Tip otvaranja Opening type	Profili Profiles	Izgled View	I_x (cm ⁴)	I_y (cm ⁴)
	FT-0277 + FT-0275		58.27	123.08
	FT-0211-A + FT-0218		61.57	130.6
	FT-2281 + FT-0279		62.43	134.06
	FT-0213-A + FT-0219		60.37	141.85

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

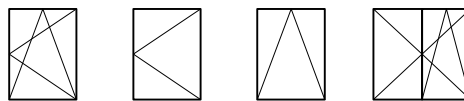
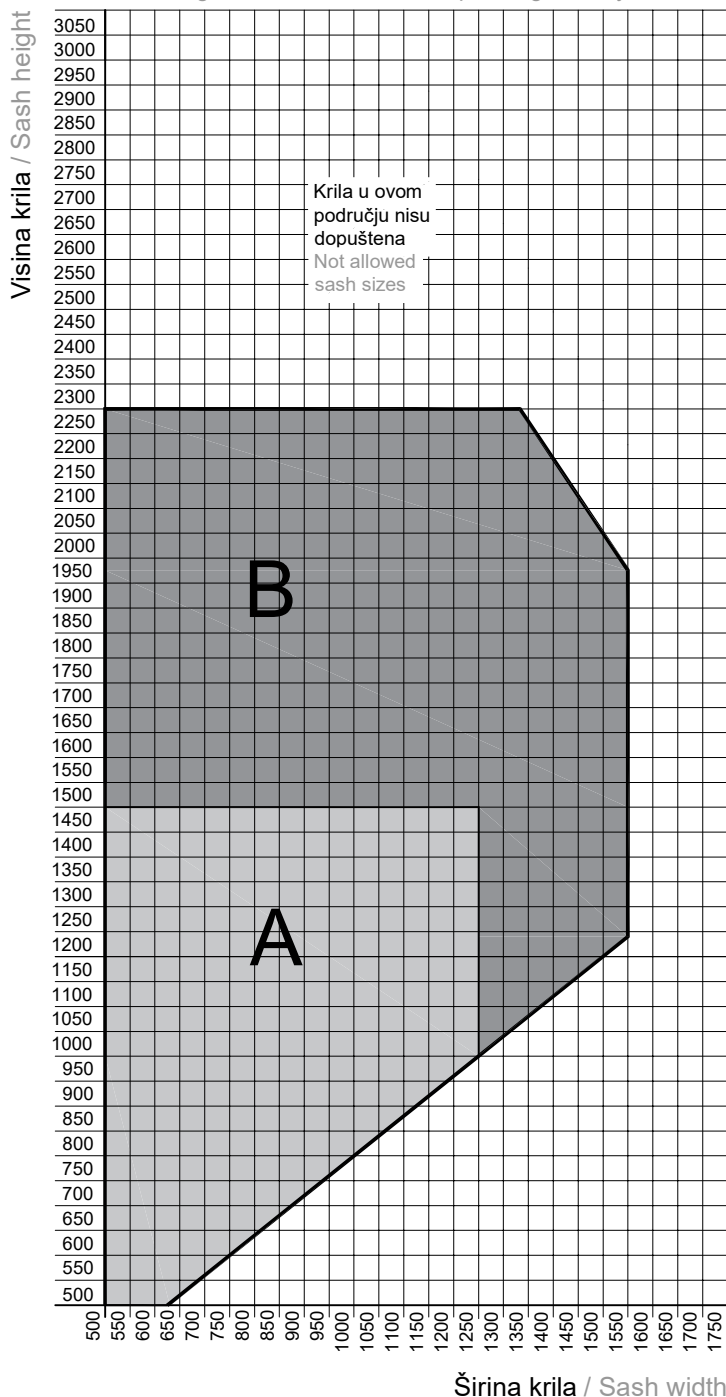
Grupa B - profili krila za prozore i balkonska vrata

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



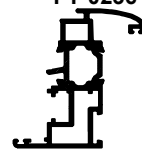
Grupa A

A ≤ 90 kg

FT-0203



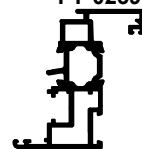
FT-0236



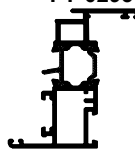
FT-0221



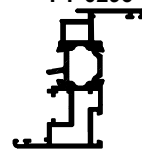
FT-0239



FT-0295



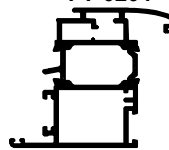
FT-0296



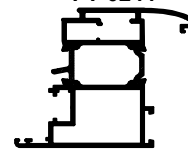
Grupa B

B ≤ 180 kg

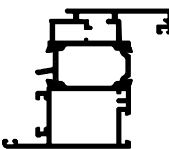
FT-0204



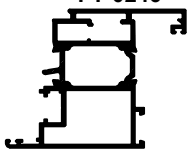
FT-0244



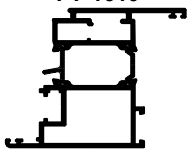
FT-0230



FT-0246

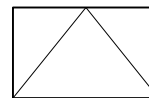
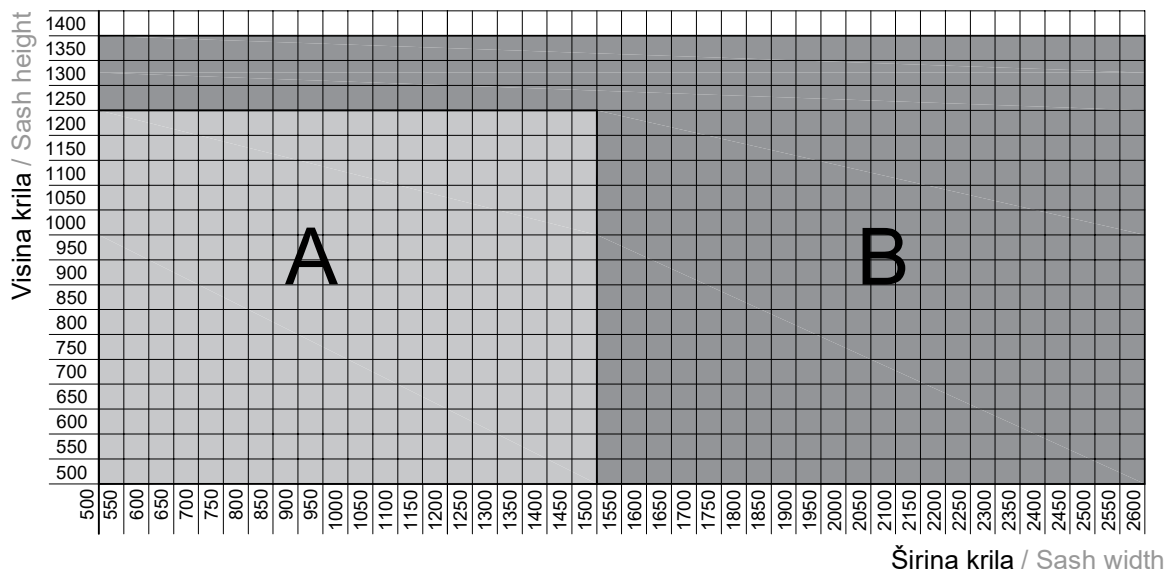


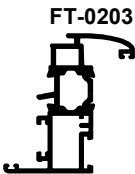
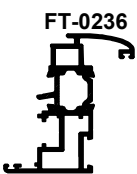
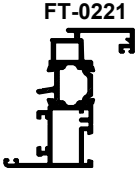
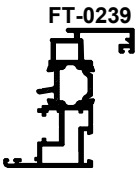
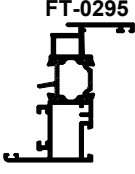
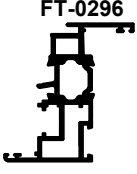
FT-1610

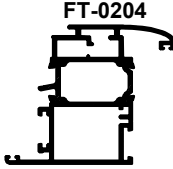
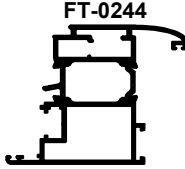
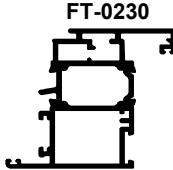
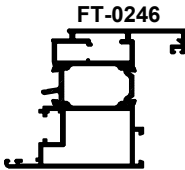
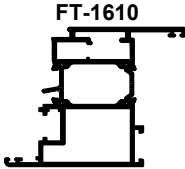


Prije konačnog odabira profila i dimenzija krila uzeti u obzir i ograničenja primjene okova prema preporuci proizvođača okova. Za izradu krila čije dimenzije se nalaze van graničnih dimenzija u dijagramu, staklo obavezno zalijepiti za profil krila (preporuke za lijepljenje /Knjiga B/ str. xxx.xx.xxx).

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 xxx.xx.xxx).

PREPORUKE ZA ODABIR PROFILA KRILA OVISNO O VELIČINI KRILA
RECOMMENDATIONS FOR SELECTION OF SASH PROFILE BASED ON THE SASH SIZEGrupa A i B - profili krila za prozore
Group A and B - sash profiles for windowsNadsvjetlo
Top lightDijagram veličina krila ovisan o geometriji profila krila
Sash size diagram based on the sash profile geometry

Grupa A	
A ≤ 90 kg	
 FT-0203	 FT-0236
 FT-0221	 FT-0239
 FT-0295	 FT-0296

Grupa B	
B ≤ 170 kg	
 FT-0204	 FT-0244
 FT-0230	 FT-0246
	 FT-1610



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. xxx.xx.xxx).

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 xxx.xx.xxx).

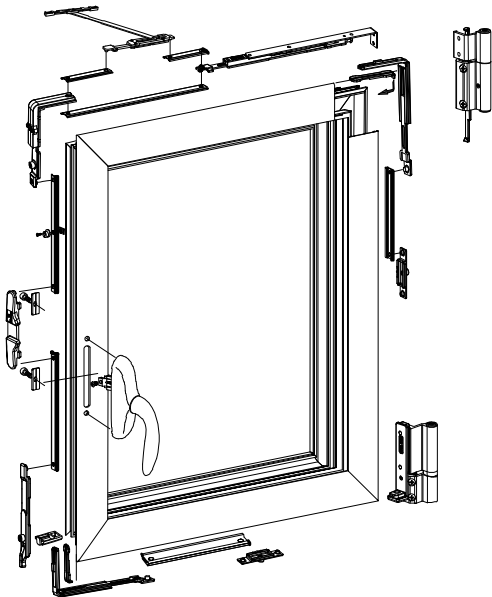
134.000.xx - OTKLOPNO-ZAKRETNI MEHANIZAM - STUBLINA (4035)

134.000.xx - TILT-TURN MECHANISM - STUBLINA (4035)

Maksimalna težina krila 100 kg
Maximum sash weight 100 kg

Tabela nosivosti za:
Table of loads:

4030.00, 4035.00
4031.00, 4036.00
4032.00, 4037.00
4033.00, 4038.00

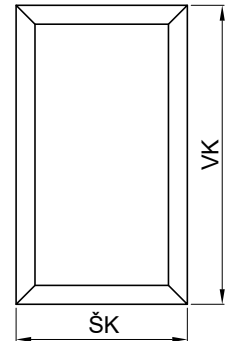


Debljina stakla (mm)

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) SK(mm)	425	535	600	700	800	900	1000	1100	1200	1300	1400	1500	1600

x Neizvedivo / Unfeasible



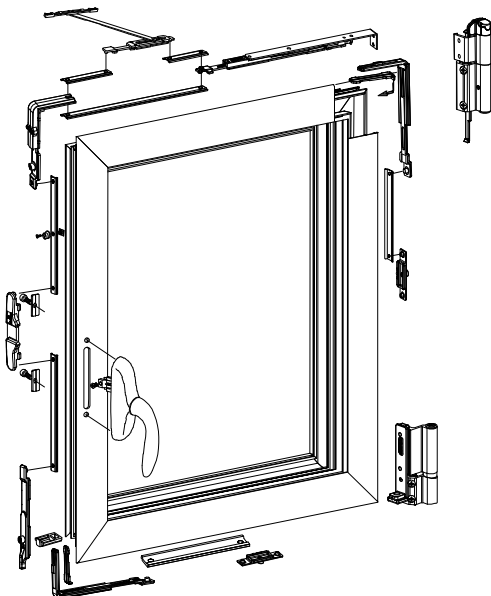
Debljina stakla
Glass thickness

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

Tabela nosivosti za:
Table of loads:

4030.00U, 4035.00U
4031.00U, 4036.00U
4032.00U, 4037.00U
4033.00U, 4038.00U



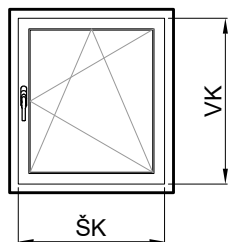
Debljina stakla (mm)

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) SK(mm)	425	535	600	700	800	900	1000	1100	1200	1300	1400	1500	1600

x Neizvedivo / Unfeasible

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



Maksimalna
težina krila **130 kg**
Maximum
sash weight **130 kg**

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

3000	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	134	126	118	118	118
1600	140	140	140	140	140	140	140	140	140	135	126	118	111	110	105
1500	140	140	140	140	140	140	140	140	137	127	118	111	110	104	99
1400	140	140	140	140	140	140	140	138	127	118	110	104	97	x	x
1300	140	140	140	140	140	140	140	128	118	110	103	96	x	x	x
1200	140	140	140	140	140	140	129	118	109	101	95	x	x	x	x
1100	140	140	140	140	140	130	118	108	100	93	x	x	x	x	x
1000	140	140	140	140	131	118	108	99	91	x	x	x	x	x	x
900	140	140	140	133	118	106	97	89	x	x	x	x	x	x	x
800	140	140	135	118	105	95	86	x	x	x	x	x	x	x	x
700	140	138	118	104	92	83	x	x	x	x	x	x	x	x	x
L(kmm) V(kmm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	

350

☒ **Neizvedivo / Unfeasible**

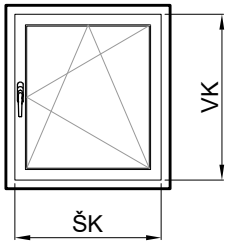
Maksimalna debljina stakla (mm)
Maximum glass thickness (mm)

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
$\frac{V_k(\text{mm})}{S_k(\text{mm})}$	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800

350

X Neizvedivo / Unfeasible

SKRIVENI OTKLOPNO-ZAKRETNÍ MECHANIZAM - GIESSE CHIC 3D STANDARD
HIDDEN TILT-TURN MECHANISM - GIESSE CHIC 3D STANDARD



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

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
Vx(mm) / Sx(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500

445

X Neizvedivo / Unfeasible

Maksimalna težina krila (kg) Maximum sash weight (kg)												
	2500	100	100	100	100	100	100	100	100	100	100	100
	2400	100	100	100	100	100	100	100	100	100	100	100
	2300	100	100	100	100	100	100	100	100	100	100	100
	2200	100	100	100	100	100	100	100	100	100	100	100
	2100	100	100	100	100	100	100	100	100	100	100	100
	2000	100	100	100	100	100	100	100	100	100	100	100
	1900	100	100	100	100	100	100	100	100	100	100	100
	1800	100	100	100	100	100	100	100	100	100	100	100
	1700	100	100	100	100	100	100	100	100	100	100	98
	1600	100	100	100	100	100	100	100	100	100	99	92
	1500	100	100	100	100	100	100	100	100	100	93	87
	1400	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
600	700	100	100	87	76	67	61	x	x	x	x	x
Vk(mm) Sk(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	

445

x Neizvedivo / Unfeasible

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	
600	V(klmm) S(klmm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600

470

x

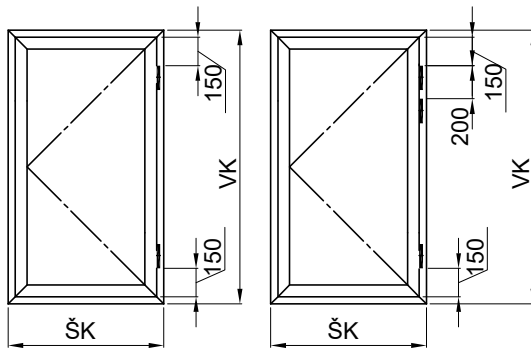
Neizvedivo / Unfeasible

Maksimalna težina krila (kg) Maximum sash weight (kg)													
2800	124	124	124	124	124	124	124	124	124	124	124	124	x
2700	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
2500	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
2300	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
2100	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
1900	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
1700	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	127	119
1500	130	130	130	130	130	130	130	130	130	130	128	119	112
1400	130	130	130	130	130	130	130	130	129	119	111	104	
1300	130	130	130	130	130	130	130	130	119	111	103	97	
1200	130	130	130	130	130	130	130	129	110	102	95	x	
1100	130	130	130	130	130	130	119	109	101	94	x	x	
1000	130	130	130	130	130	119	108	99	92	x	x	x	
900	130	130	130	130	119	107	98	90	x	x	x	x	
800	130	130	130	119	106	95	87	x	x	x	x	x	
700	130	130	119	104	93	84	x	x	x	x	x	x	
600	V(kmm) S(kmm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600

470

x Neizvedivo / Unfeasible

- TABLICE NOSIVOSTI SPOJNICA - TABLE OF LOADS FOR HINGES

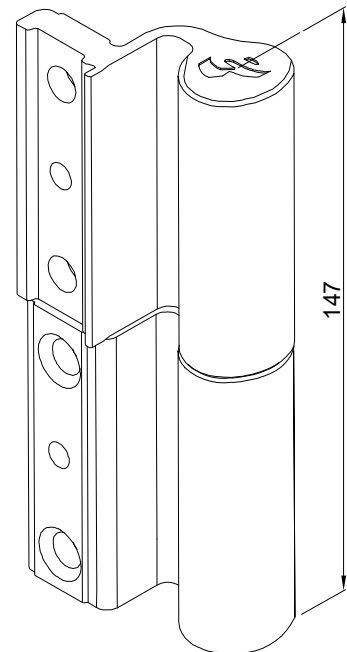


Napomena: Ukoliko se ugrade tri spojnice po preporuci, nosivost se uvećava za 10%.
Note: If three hinges are used as recommended, the load capability is increased 10%

Tablica nosivosti spojnice 114.001.xx (Stublina)

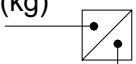
Table of loads for hinges 114.001.xx (Stublina)

2800	90 100	90 100	90 100	90 100	90 100	90 100	90 100	90 100	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	76 86	67 76	62 70	58 66
2600	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	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)

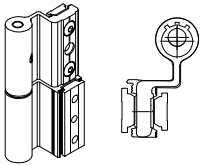
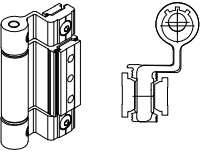
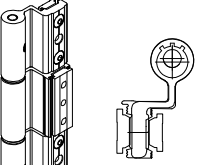
A - javna upotreba sa dvije spojnice

A - public use with two hinges

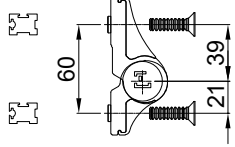
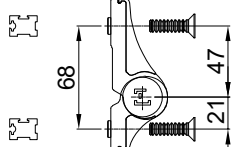
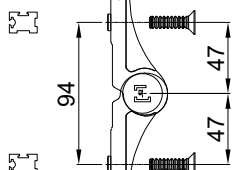
B - privatna upotreba sa dvije spojnice

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

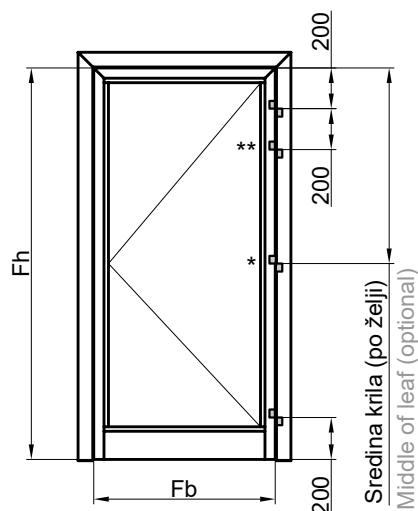
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Nosivost Load (2 šarke 2 hinges)
113.008.01 02 03		- Dvodijelna šarka OSNO 60 - Oznaka proizvođača ALU-B: Max3D 60 - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge AXIS 60 - Manufacturer code ALU-B: Max3D 60 - Color: 01- white; 02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

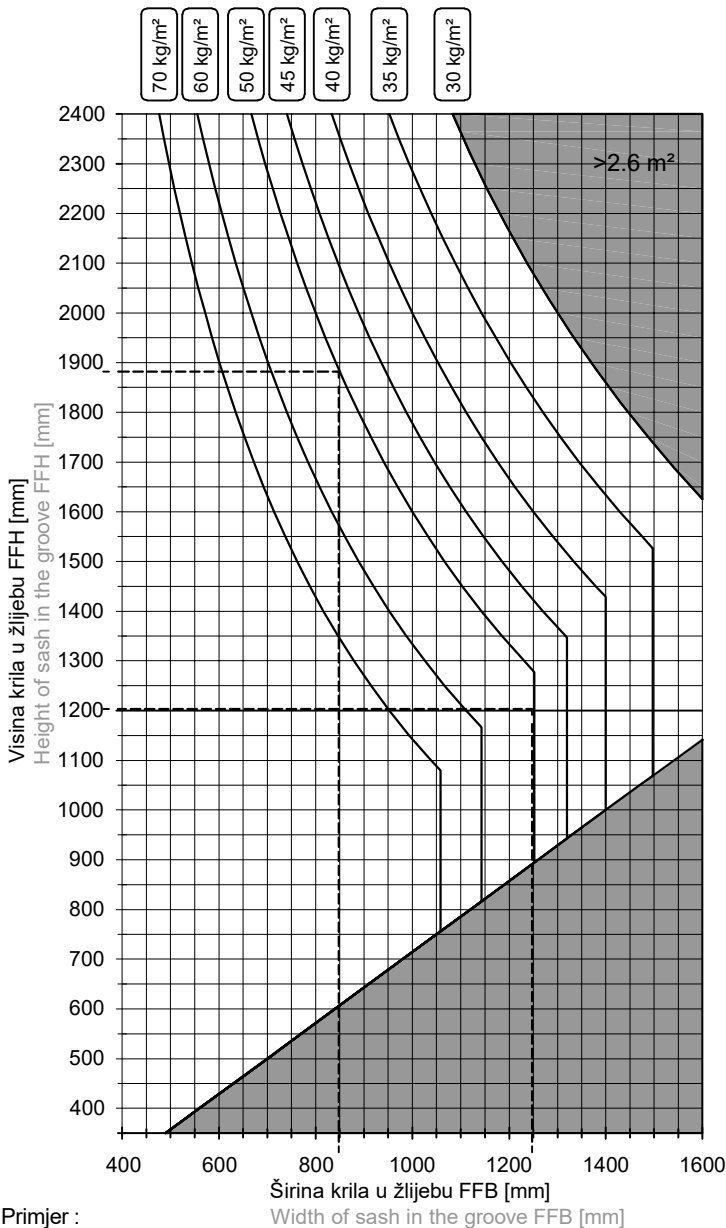
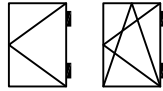
Door closers increase the loading on door hinges and their rate of wear. For door closers without backcheck the effective door mass is 20 % greater than the actual door mass. For back-check closers the effective door mass is calculated to be 75% greater.

* 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 FFH 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 FFH 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 FFH 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.

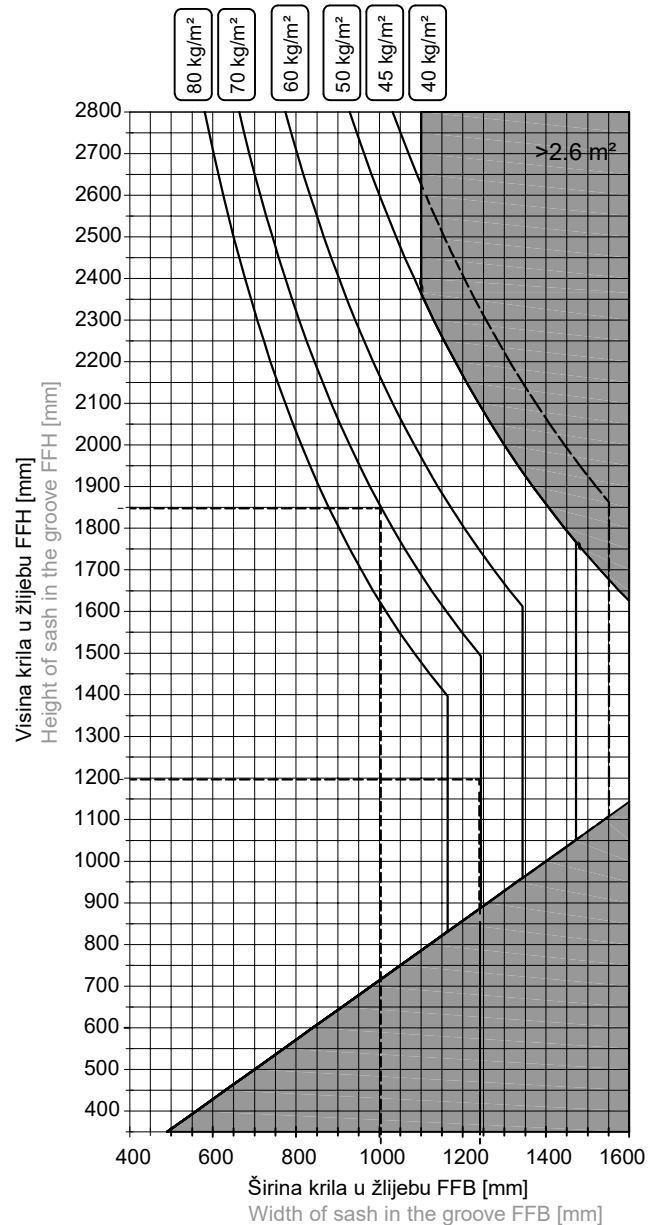
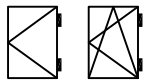
Remark

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 FFH 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 FFH 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 FFH groove, we get the maximum height of the wing in the FFH groove 1850 mm.

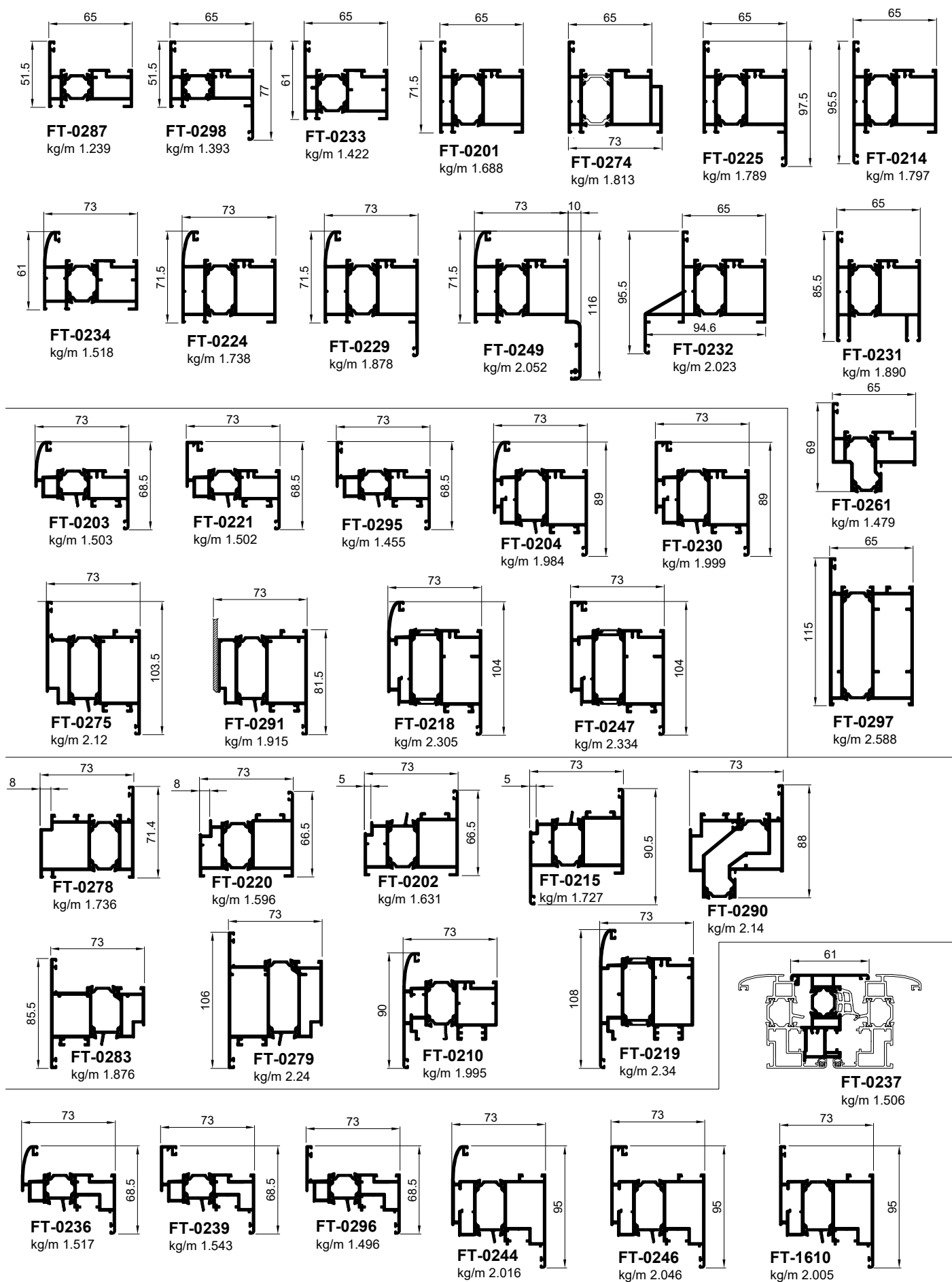
At the height of the wing 1200 mm in the FFH groove, we get the maximum width of the sash in the FFH groove 1240mm.

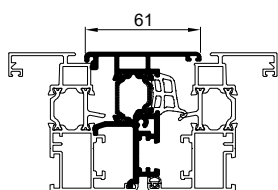
Remark

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

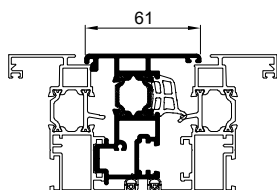
The unauthorized dimensions are gray dimmed. This application diagram is valid only in conjunction with the accompanying drawing 0-44708.

Profili Profiles

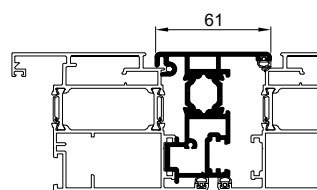




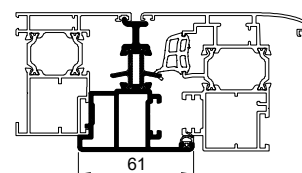
FT-0286
kg/m 1.417



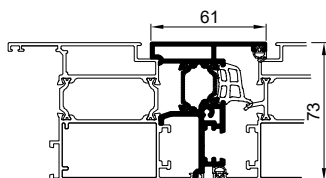
FT-0211
kg/m 1.478



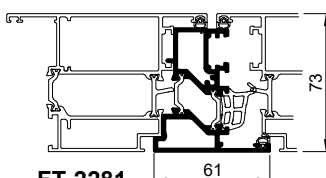
FT-0211-A
kg/m 1.492



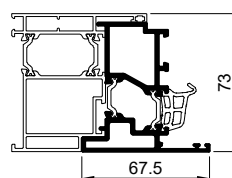
FT-0213
kg/m 1.339



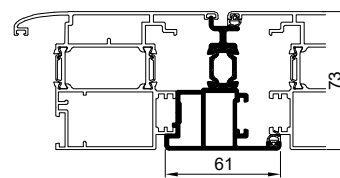
FT-0277
kg/m 1.451



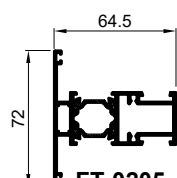
FT-2281
kg/m 1.522



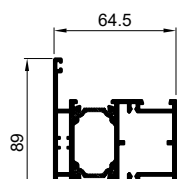
FT-2280
kg/m 1.574



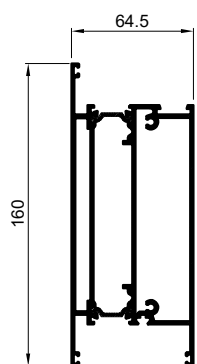
FT-0213-A
kg/m 1.293



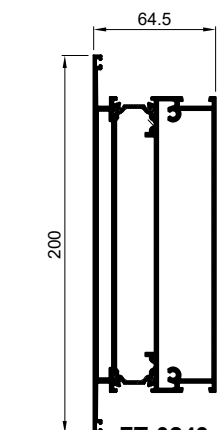
FT-0205
kg/m 1.452



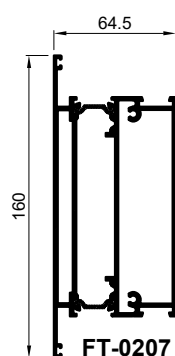
FT-0206
kg/m 1.789



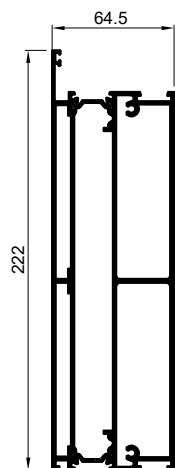
FT-0208
kg/m 3.497



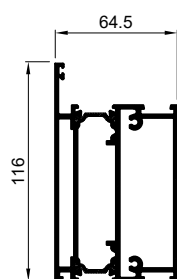
FT-0243
kg/m 4.239



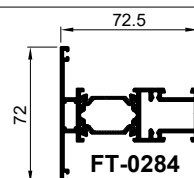
FT-0207
kg/m 3.437



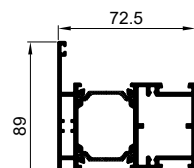
FT-0264
kg/m 5.353



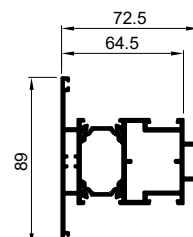
FT-0265
kg/m 2.769



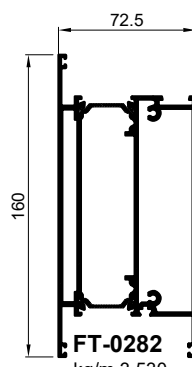
FT-0284
kg/m 1.450



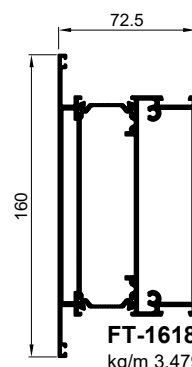
FT-1621
kg/m 1.740



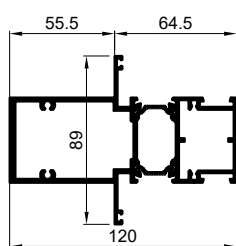
FT-0276
kg/m 1.876



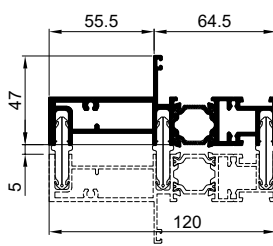
FT-0282
kg/m 3.530



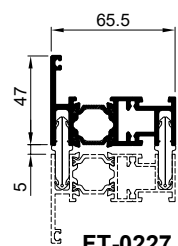
FT-1618
kg/m 3.479



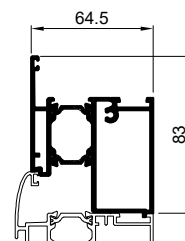
FT-0209
kg/m 2.711



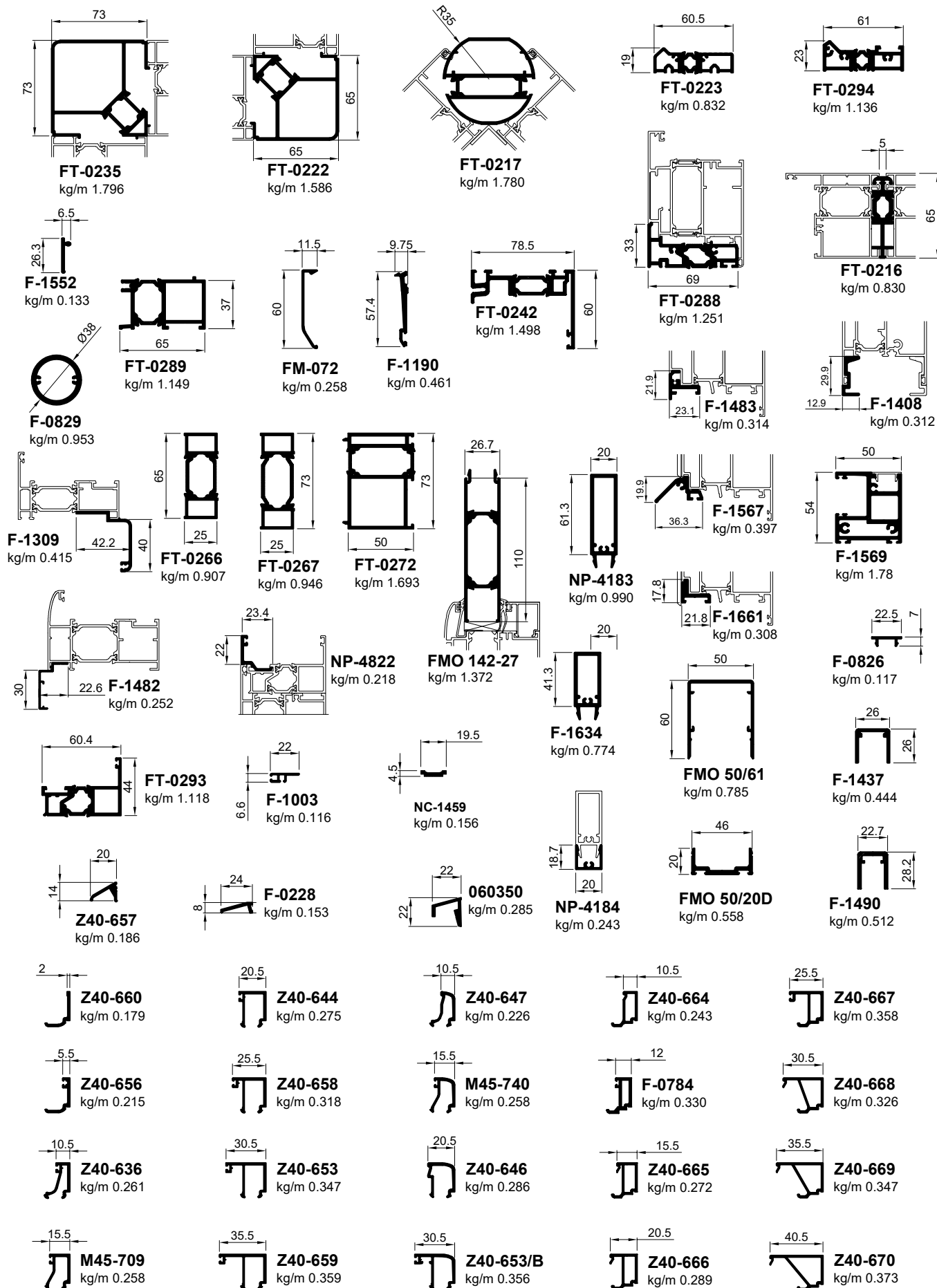
FT-0226
kg/m 2.027

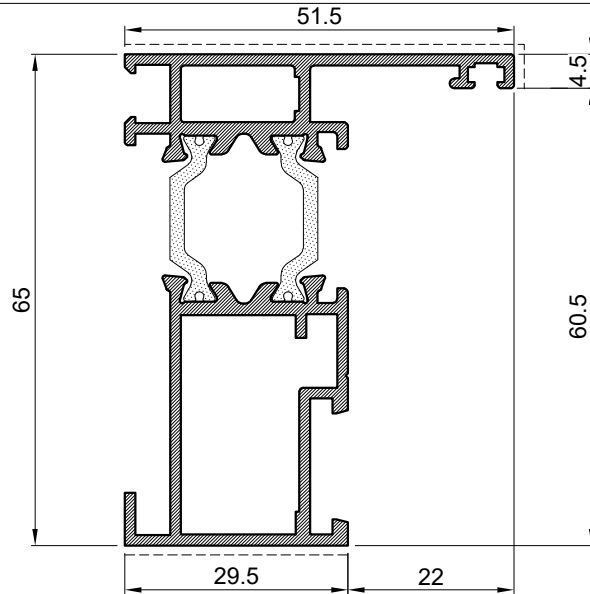


FT-0227
kg/m 1.311

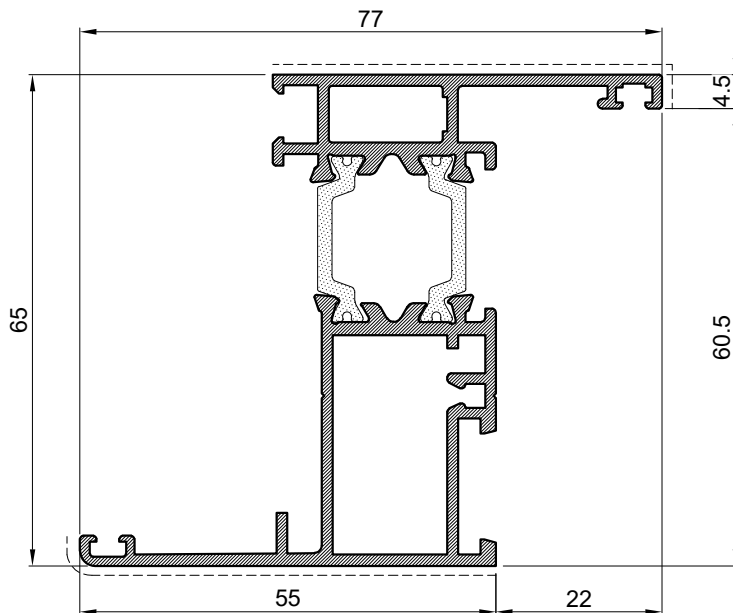


FT-0228
kg/m 1.707

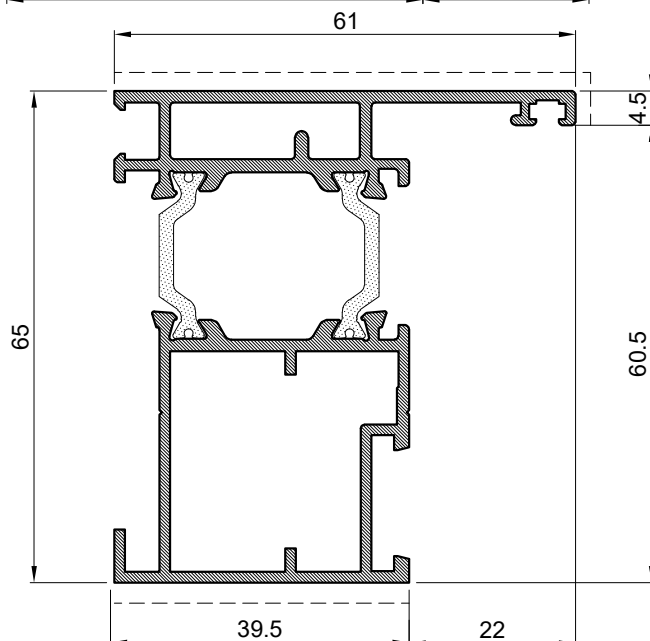




Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0287	
Težina Weight	kg/m	1.239
Opseg Perimeter	mm	336
Moment inercije Moment of inertia	Ix (cm4)	16.49
	Iy (cm4)	5.68
	Wx (cm3)	5.89
	Wy (cm3)	1.73
L	mm	6500

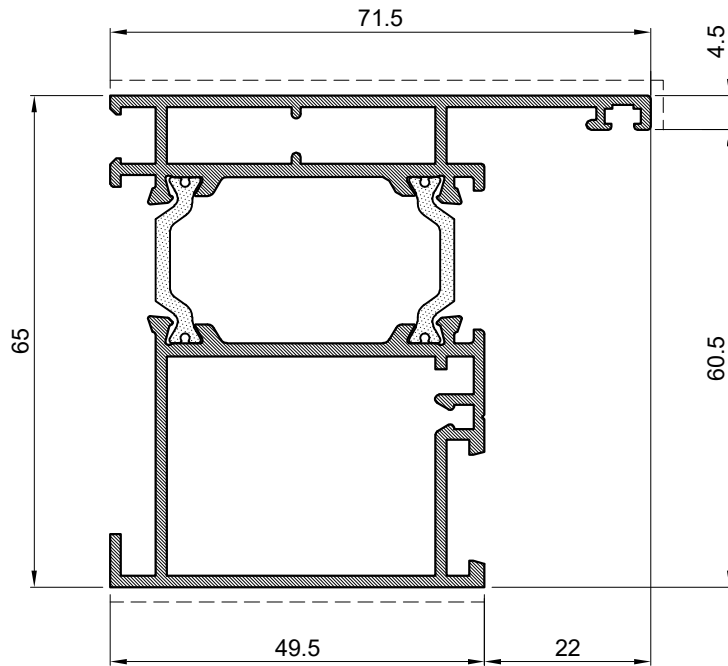


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0298	
Težina Weight	kg/m	1.393
Opseg Perimeter	mm	397
Moment inercije Moment of inertia	Ix (cm4)	20.5
	Iy (cm4)	10.17
	Wx (cm3)	8.13
	Wy (cm3)	2.47
L	mm	6500

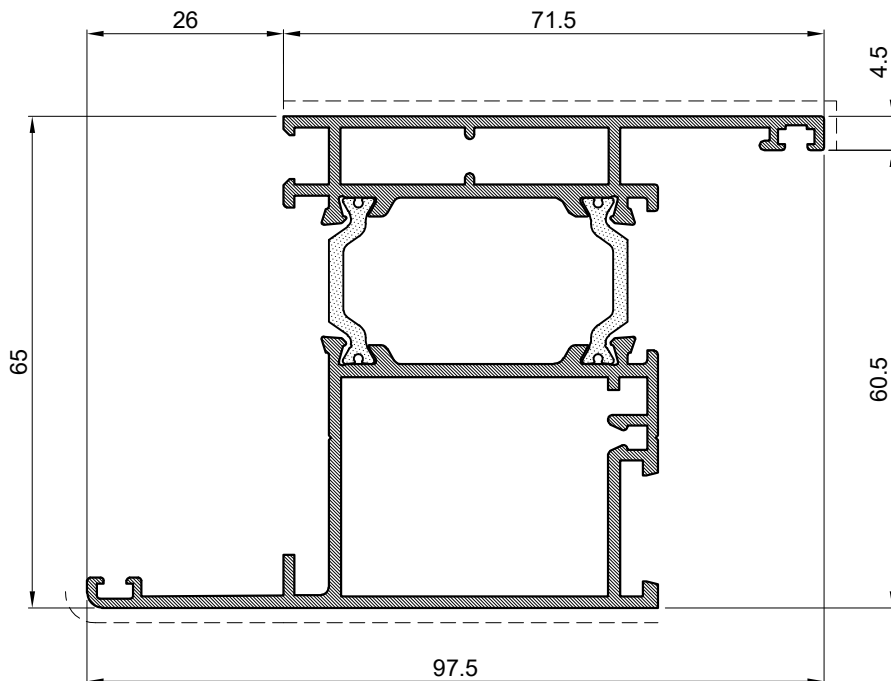


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0233	
Težina Weight	kg/m	1.422
Opseg Perimeter	mm	345
Moment inercije Moment of inertia	Ix (cm4)	19.36
	Iy (cm4)	10.38
	Wx (cm3)	6.84
	Wy (cm3)	2.77
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

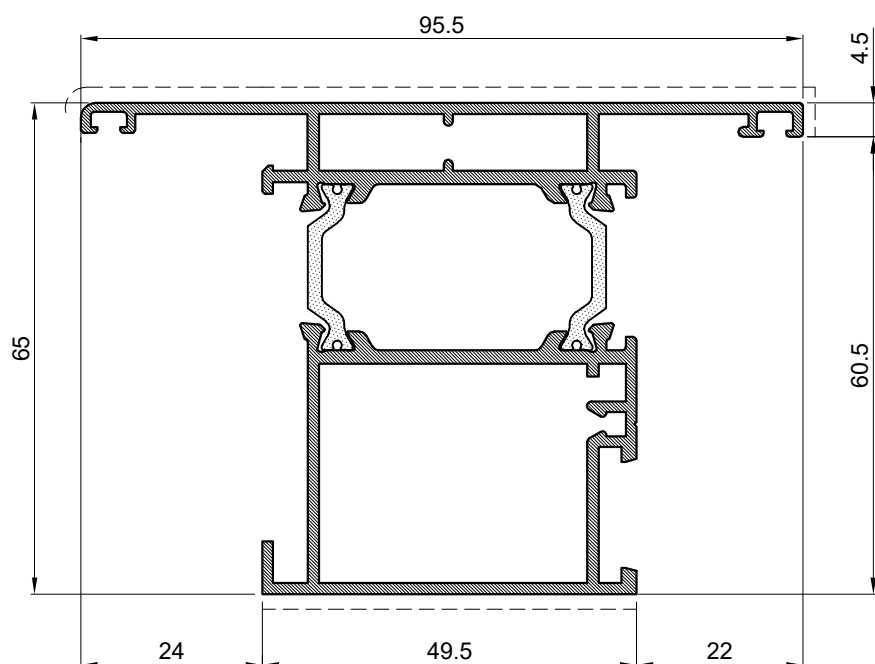


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0201	
Težina Weight	kg/m	1.688
Opseg Perimeter	mm	371
Moment inerције Moment of inertia	I _x (cm ⁴)	22.59
	I _y (cm ⁴)	18.71
	W _x (cm ³)	8
	W _y (cm ³)	4.41
L	mm	6500

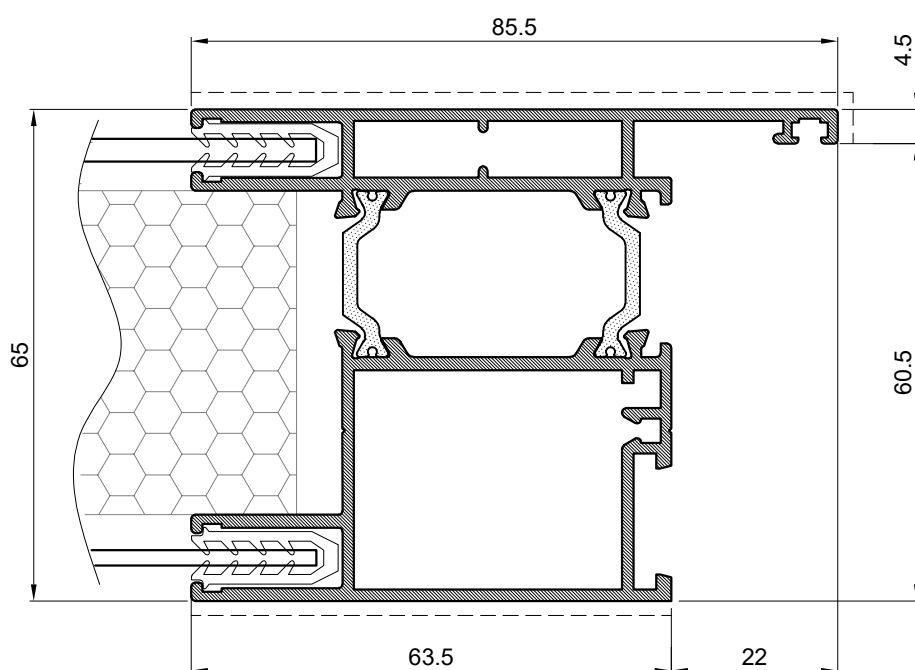


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0225	
Težina Weight	kg/m	1.789
Opseg Perimeter	mm	433
Moment inercije Moment of inertia	I _x (cm ⁴)	27.03
	I _y (cm ⁴)	26.92
	W _x (cm ³)	10.4
	W _y (cm ³)	5.2
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

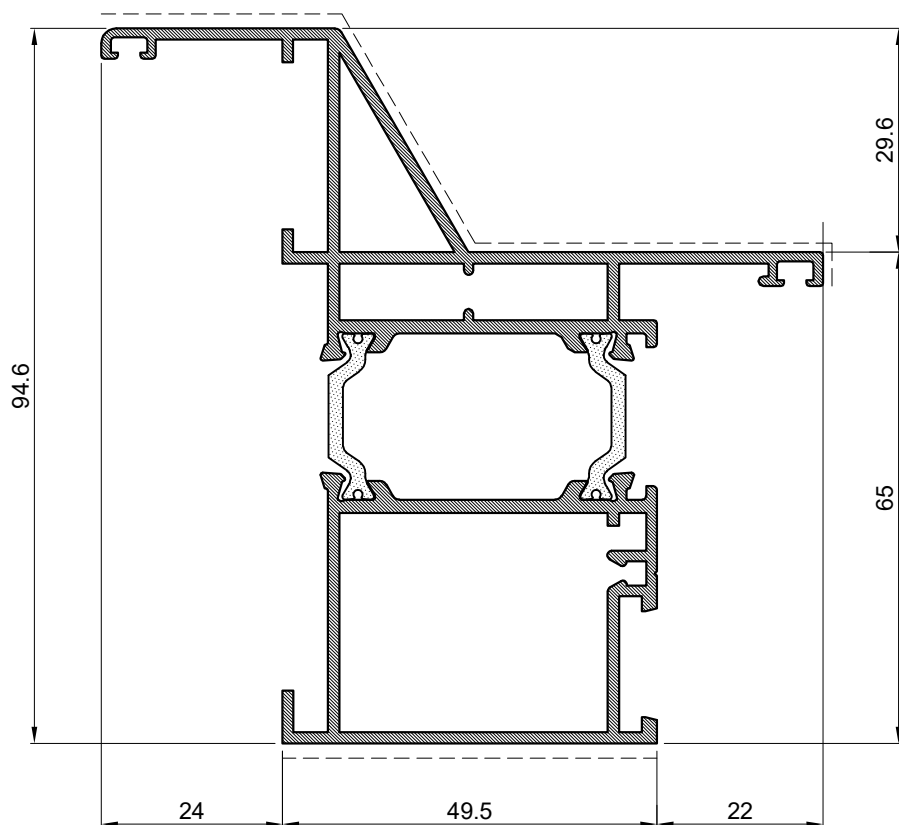


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0214	
Težina Weight	kg/m	1.797
Opseg Perimeter	mm	427
Moment inercije Moment of inertia	I _x (cm ⁴)	24.44
	I _y (cm ⁴)	25.45
	W _x (cm ³)	8.32
	W _y (cm ³)	5.08
L	mm	6500

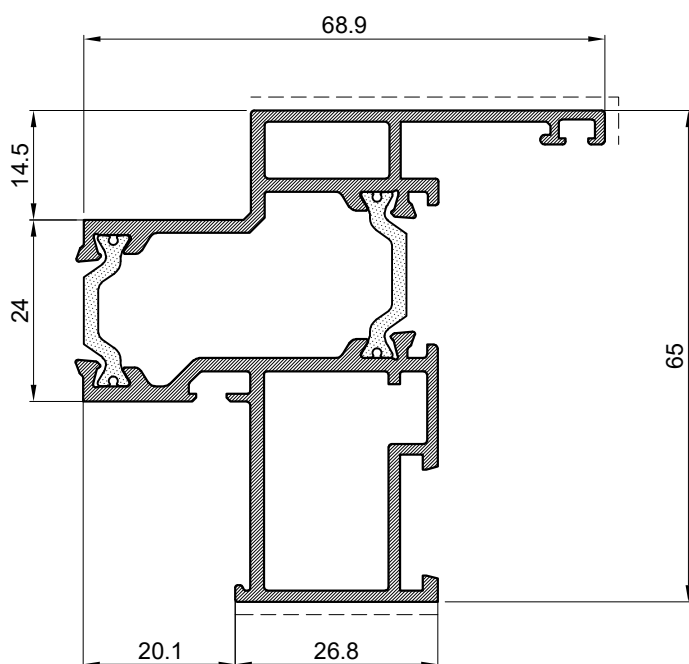


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0231	
Težina Weight	kg/m	1.890
Opseg Perimeter	mm	491
Moment inercije Moment of inertia	I _x (cm ⁴)	27.86
	I _y (cm ⁴)	29.33
	W _x (cm ³)	10.16
	W _y (cm ³)	6.15
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

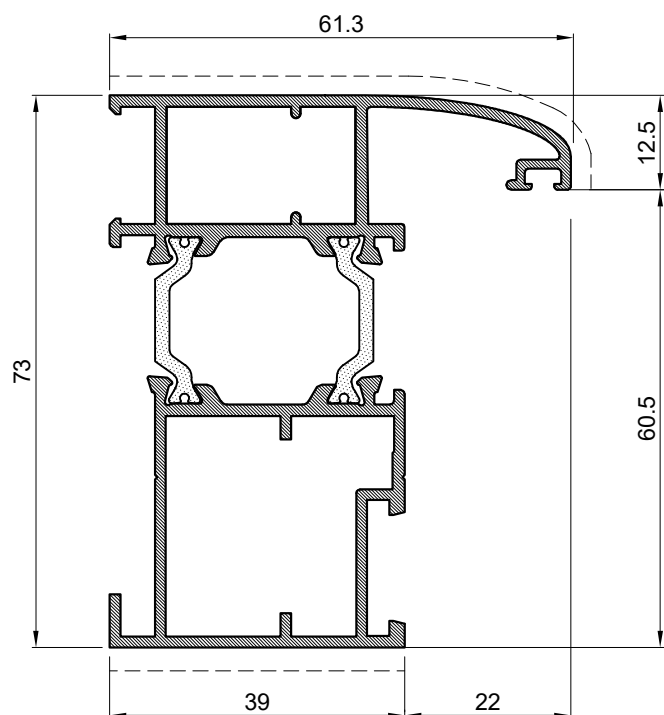


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0232	
Težina Weight	kg/m	2.023
Opseg Perimeter	mm	489
Moment inerције Moment of inertia	Ix (cm4)	44.23
	Iy (cm4)	27.83
	Wx (cm3)	12.14
	Wy (cm3)	5.81
L	mm	6500

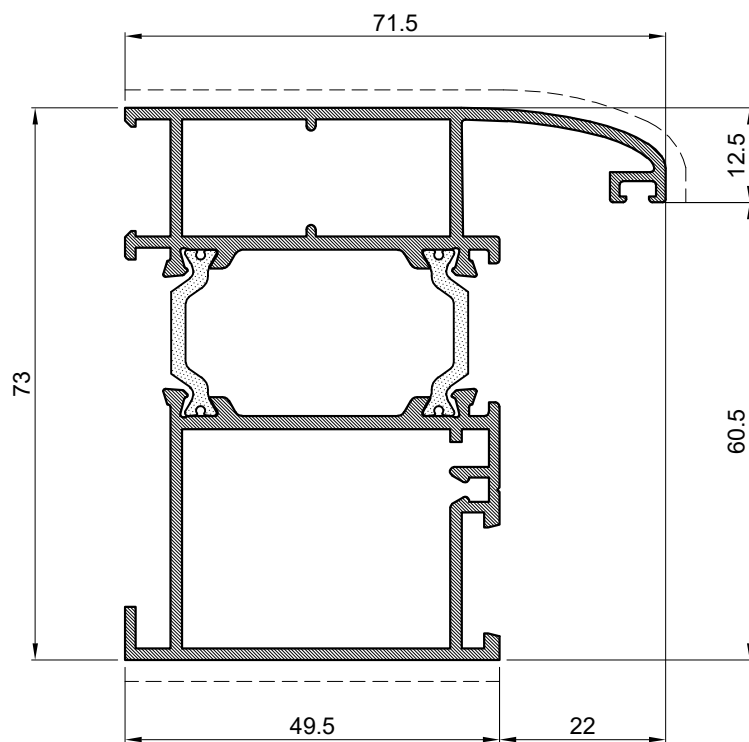


Profil rama u fasadi Profile frame in facade		
Art.Br. Art.Nr.	FT-0261	
Težina Weight	kg/m	1.479
Opseg Perimeter	mm	361
Moment inercije Moment of inertia	Ix (cm4)	16.41
	Iy (cm4)	12.38
	Wx (cm3)	5.83
	Wy (cm3)	3.22
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

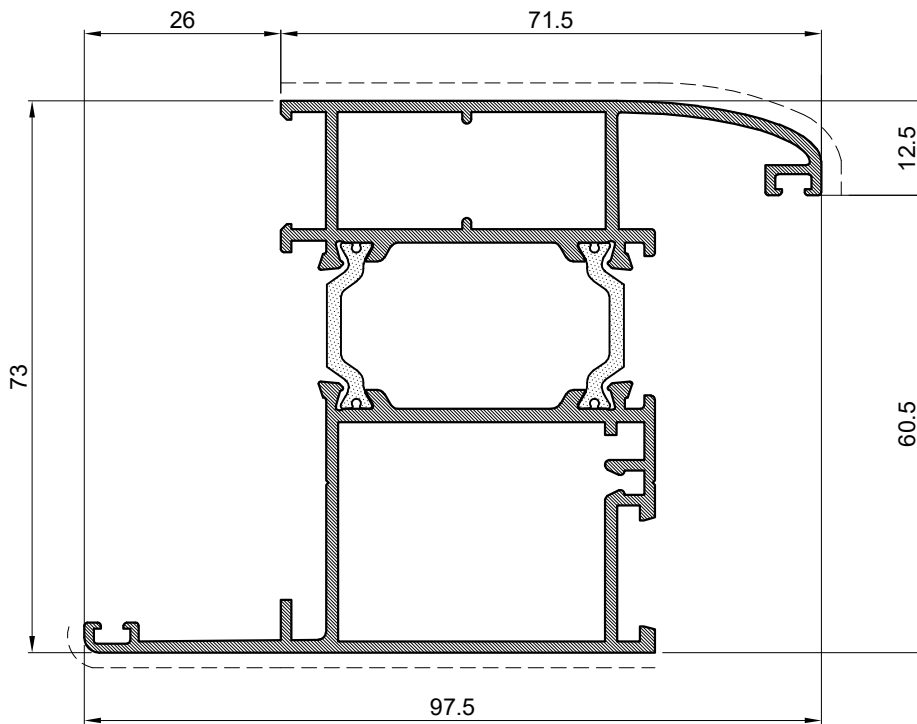


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0234	
Težina Weight	kg/m	1.518
Opseg Perimeter	mm	376
Moment inercije Moment of inertia	I _x (cm ⁴)	24.37
	I _y (cm ⁴)	12.22
	W _x (cm ³)	7.91
	W _y (cm ³)	3.32
L	mm	6500

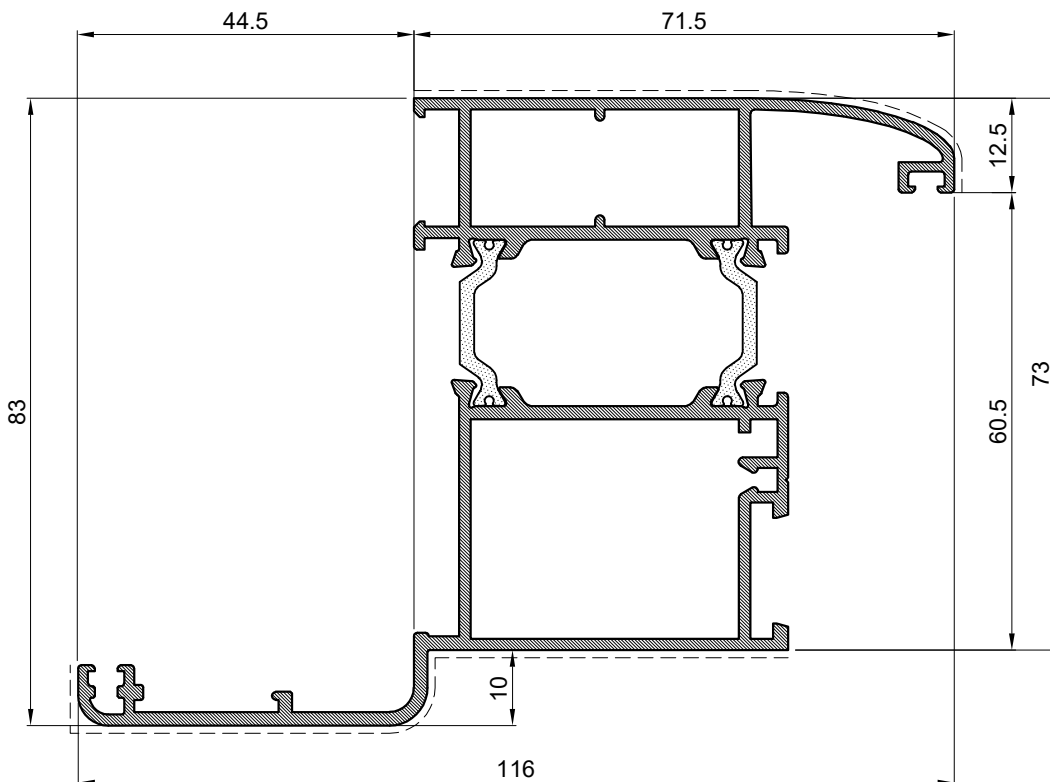


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0224	
Težina Weight	kg/m	1.738
Opseg Perimeter	mm	408
Moment inercije Moment of inertia	I _x (cm ⁴)	28.24
	I _y (cm ⁴)	21.25
	W _x (cm ³)	9.25
	W _y (cm ³)	5.08
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

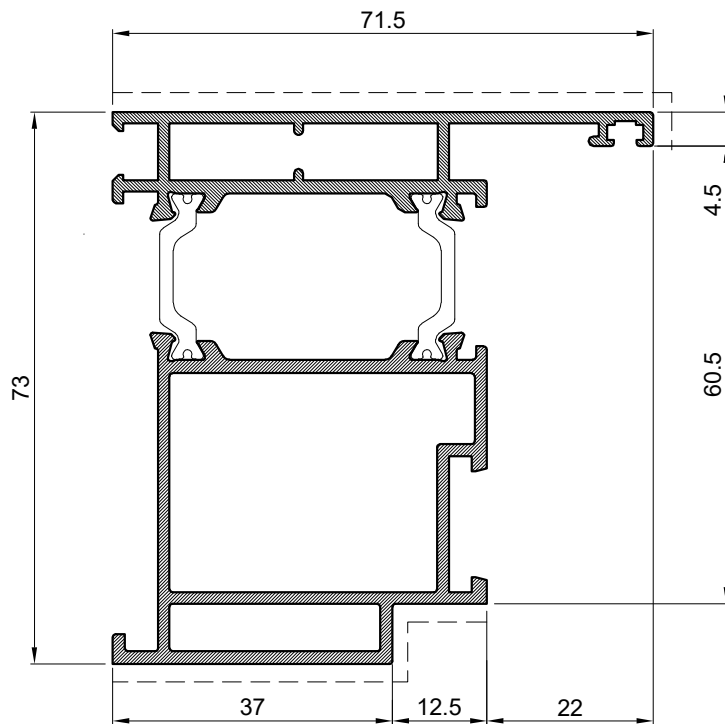


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0229	
Težina Weight	kg/m	1.878
Opseg Perimeter	mm	461
Moment inercije Moment of inertia	I _x (cm ⁴)	33.45
	I _y (cm ⁴)	29.72
	W _x (cm ³)	11.86
	W _y (cm ³)	5.66
L	mm	6500

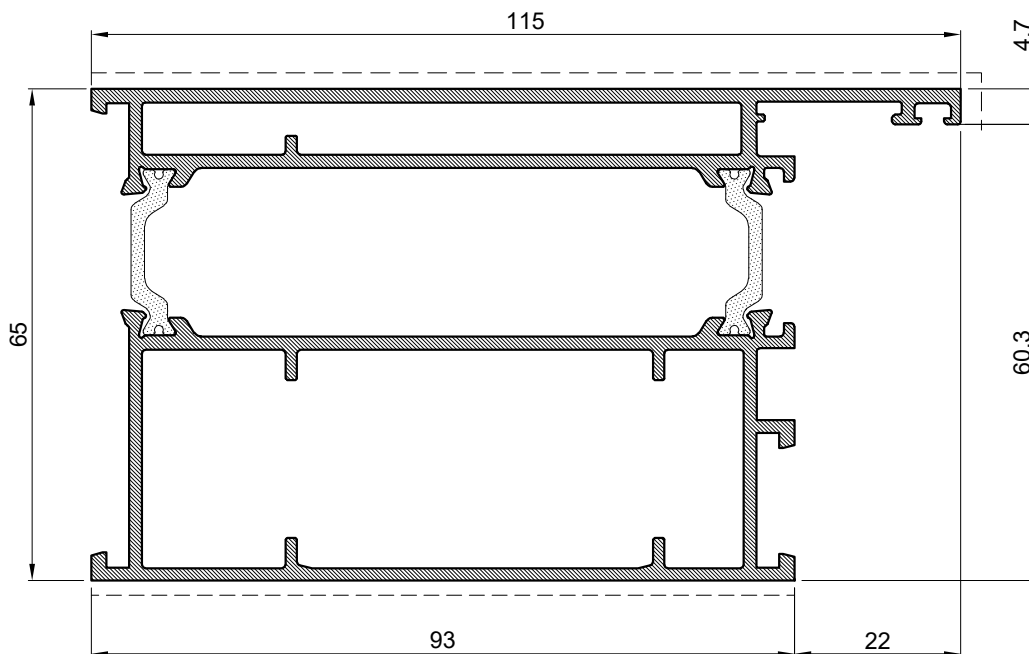


Profil rama Profile frame		
Br.Br.	FT-0249	
Težina Težina	kg/m	2.052
Opseg Perimeter	mm	540
Moment inercije Moment inercije	I _x (cm ⁴)	45.75
	I _y (cm ⁴)	50.35
	W _x (cm ³)	14.11
	W _y (cm ³)	7.68
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

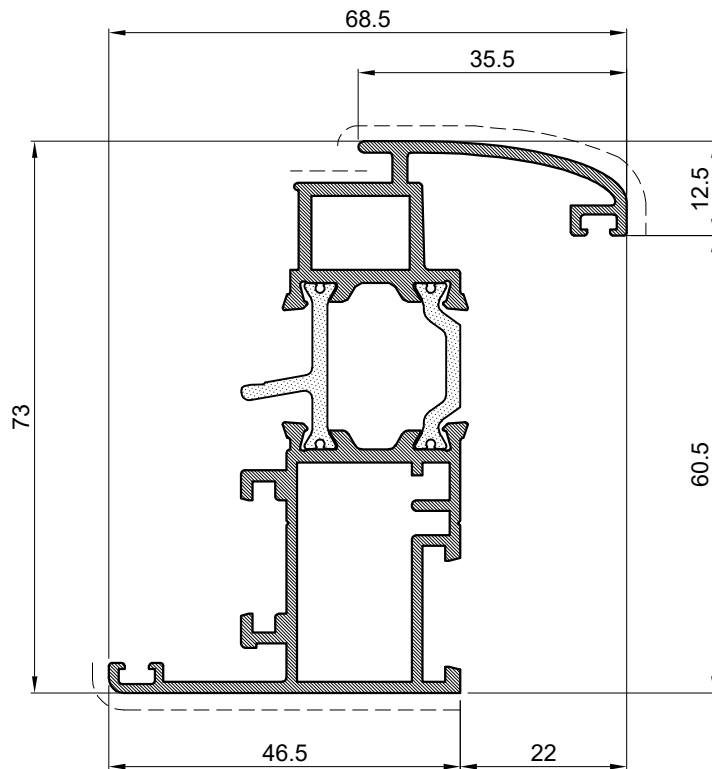


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0274	
Težina Weight	kg/m	1.813
Opseg Perimeter	mm	379
Moment inercije Moment of inertia	I _x (cm ⁴)	32.54
	I _y (cm ⁴)	19.52
	W _x (cm ³)	10.57
	W _y (cm ³)	4.5
L	mm	6500

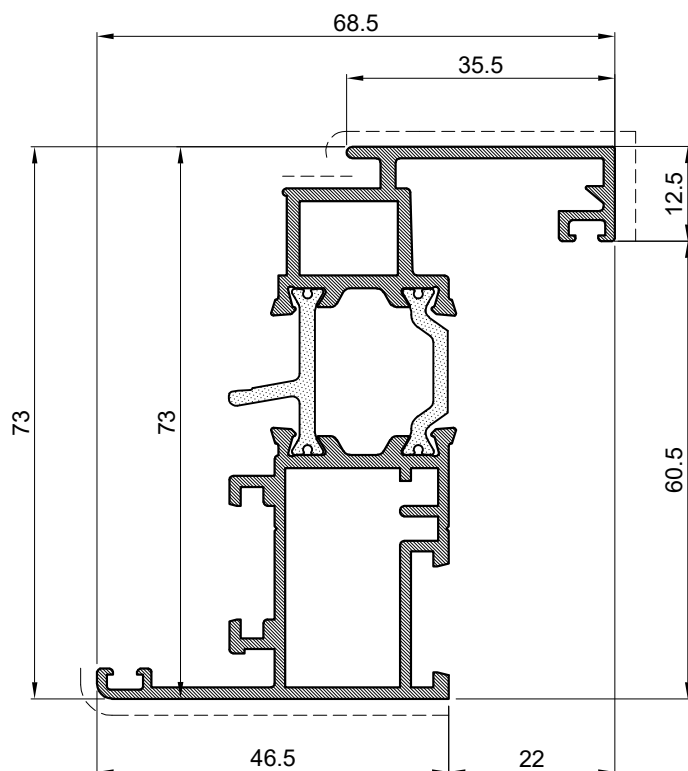


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0297	
Težina Weight	kg/m	2.588
Opseg Perimeter	mm	445
Moment inercije Moment of inertia	I _x (cm ⁴)	39.01
	I _y (cm ⁴)	94.25
	W _x (cm ³)	13.7
	W _y (cm ³)	14.82
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

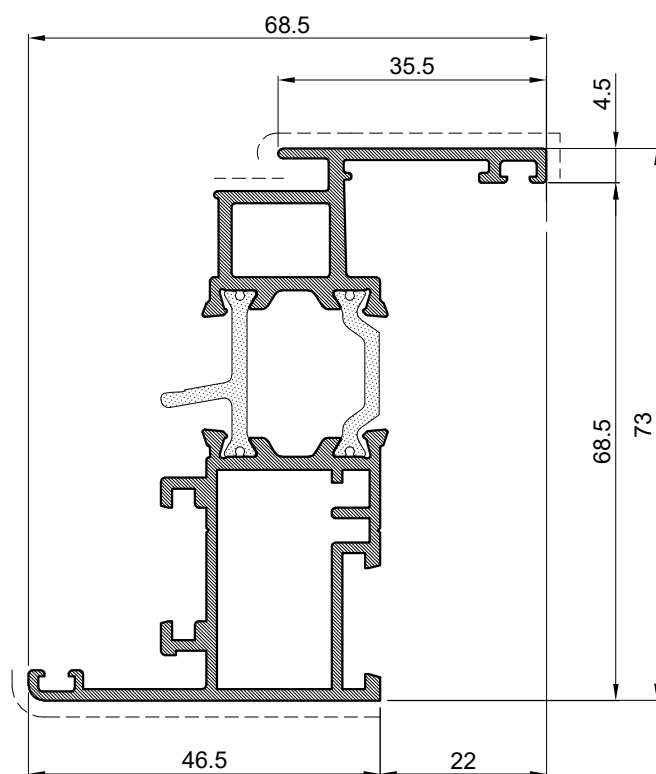


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0203	
Težina Weight	kg/m	1.503
Opseg Perimeter	mm	421
Moment inercije Moment of inertia	Ix (cm4)	23.56
	Iy (cm4)	9.02
	Wx (cm3)	8.51
	Wy (cm3)	2.58
L	mm	6500



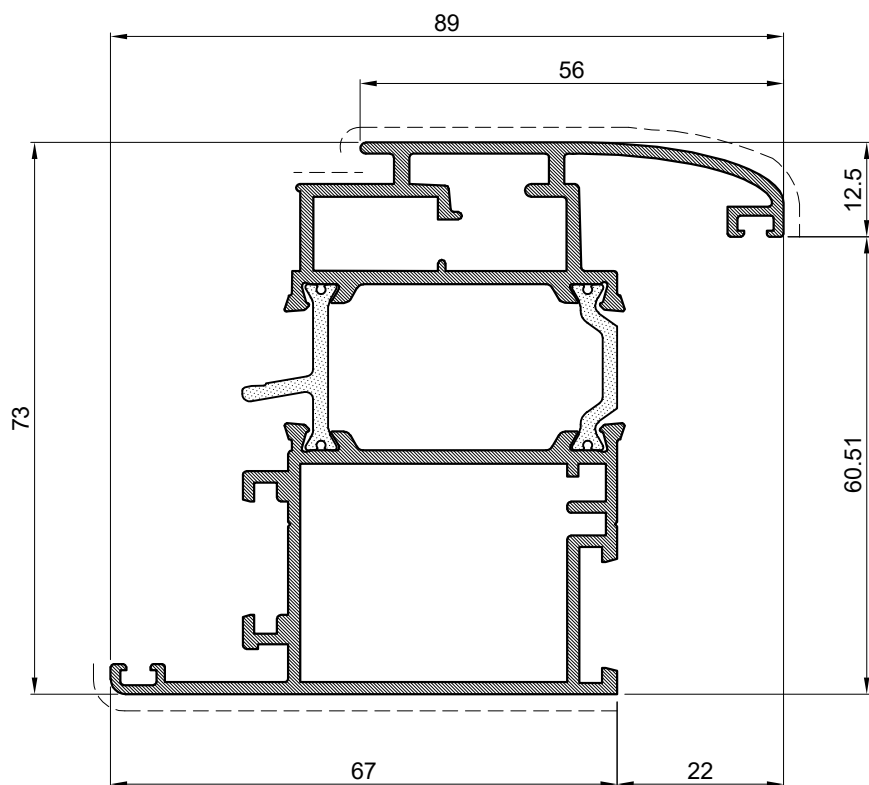
Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0221	
Težina Weight	kg/m	1.502
Opseg Perimeter	mm	431
Moment inercije Moment of inertia	Ix (cm4)	24.65
	Iy (cm4)	10.17
	Wx (cm3)	8.84
	Wy (cm3)	2.58
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

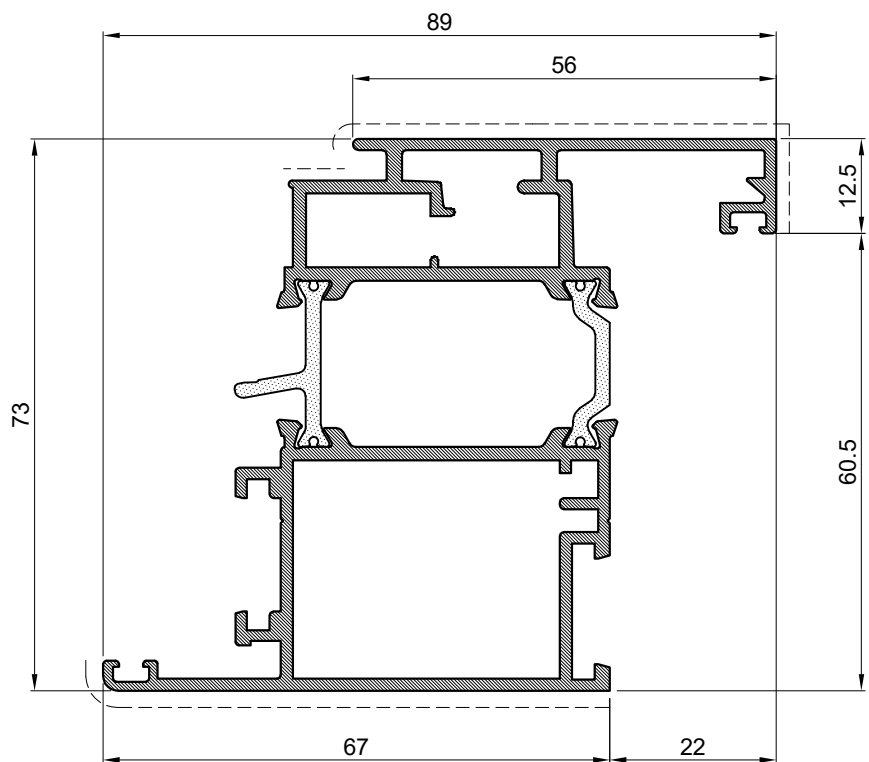


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0295	
Težina Weight	kg/m	1.455
Opseg Perimeter	mm	412
Moment inerције Moment of inertia	Ix (cm ⁴)	23.8
	Iy (cm ⁴)	8.23
	Wx (cm ³)	8.55
	Wy (cm ³)	2.38
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

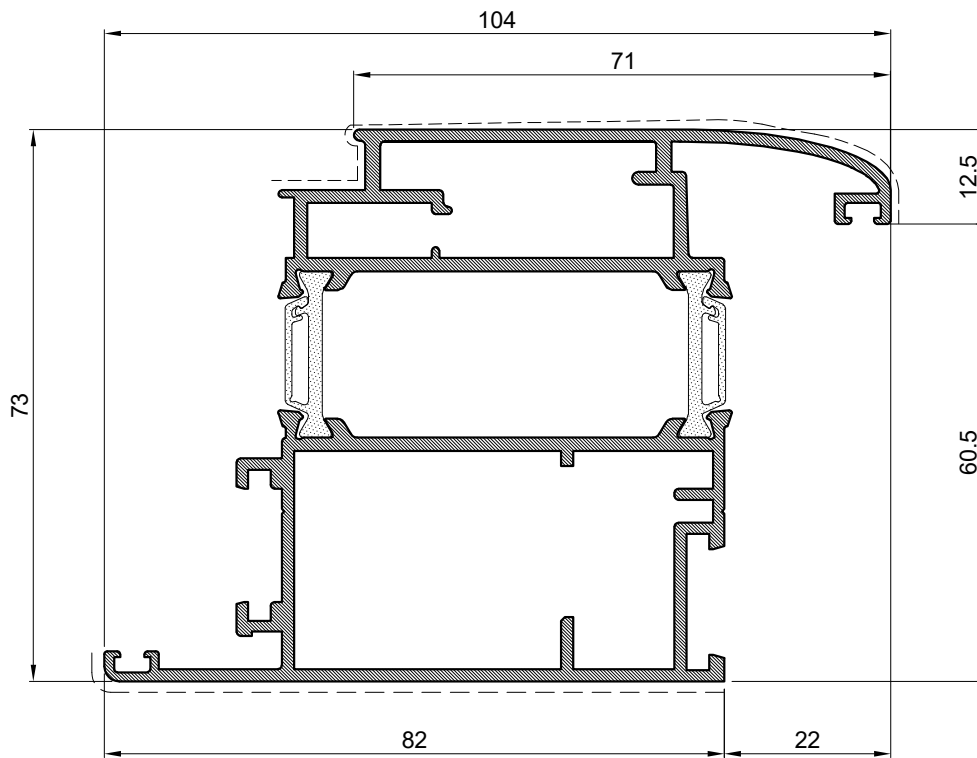


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0204	
Težina Weight	kg/m	1.984
Opseg Perimeter	mm	463
Moment inercije Moment of inertia	Ix (cm4)	33.51
	Iy (cm4)	26.23
	Wx (cm3)	11.75
	Wy (cm3)	5.79
L	mm	6500

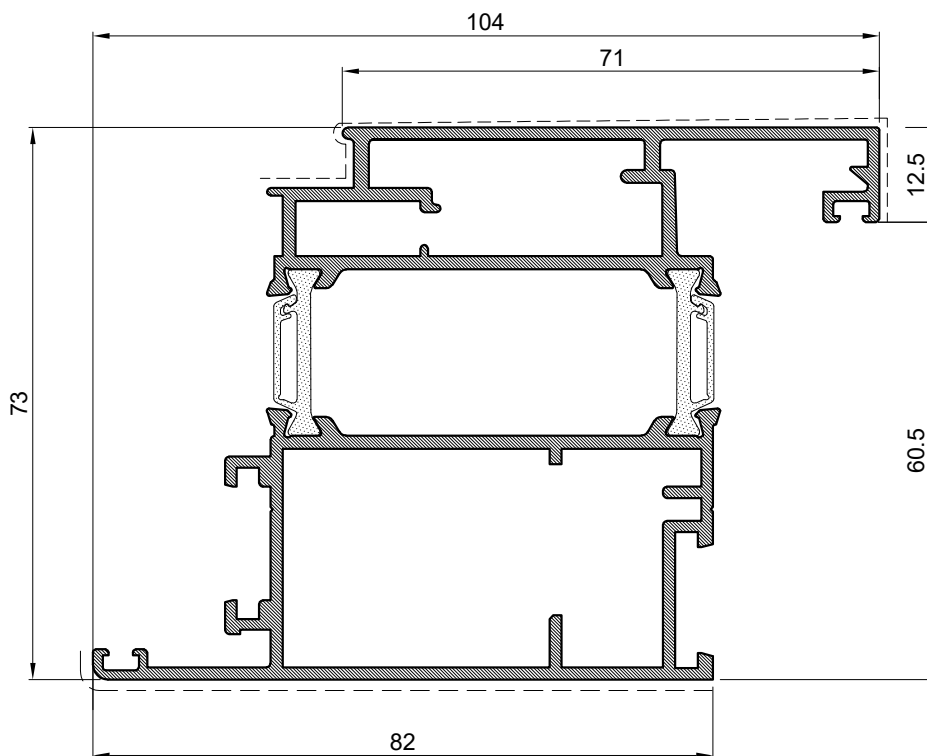


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0230	
Težina Weight	kg/m	1.999
Opseg Perimeter	mm	479
Moment inercije Moment of inertia	Ix (cm4)	34.54
	Iy (cm4)	28.24
	Wx (cm3)	11.94
	Wy (cm3)	6.14
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

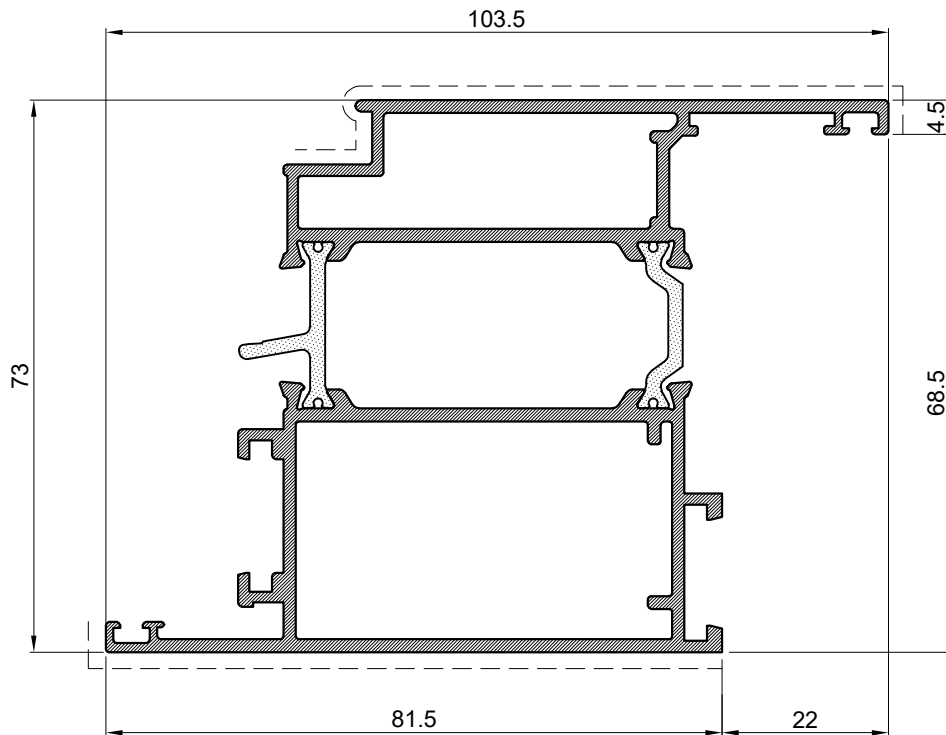


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0218	
Težina Weight	519	2.305
Opseg Perimeter	mm	484
Moment inerције Moment of inertia	I _x (cm ⁴)	39.85
	I _y (cm ⁴)	47.91
	W _x (cm ³)	13.97
	W _y (cm ³)	9.07
L	mm	6500

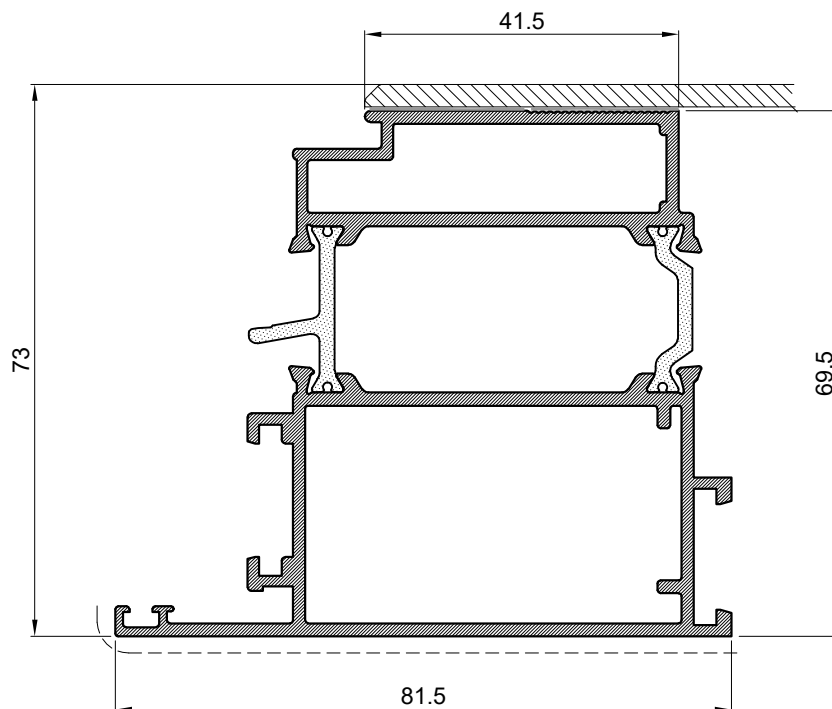


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0247	
Težina Weight	kg/m	2.334
Opseg Perimeter	mm	472
Moment inercije Moment of inertia	I _x (cm ⁴)	40.94
	I _y (cm ⁴)	50.64
	W _x (cm ³)	14.18
	W _y (cm ³)	9.46
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

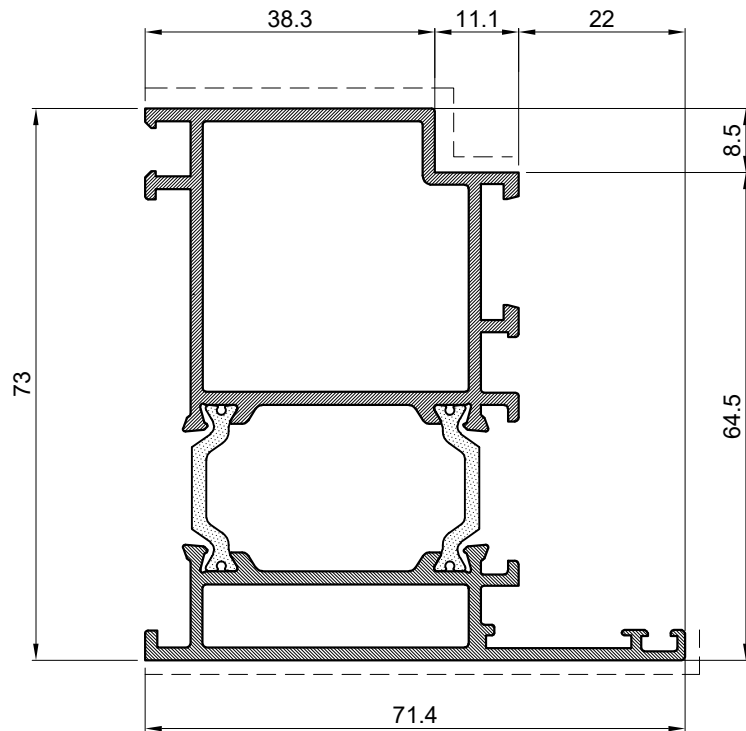


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0275	
Težina Weight	kg/m	2.12
Opseg Perimeter	mm	499
Moment inerције Moment of inertia	I _x (cm ⁴)	38.51
	I _y (cm ⁴)	42.12
	W _x (cm ³)	13.93
	W _y (cm ³)	8.05
L	mm	6500

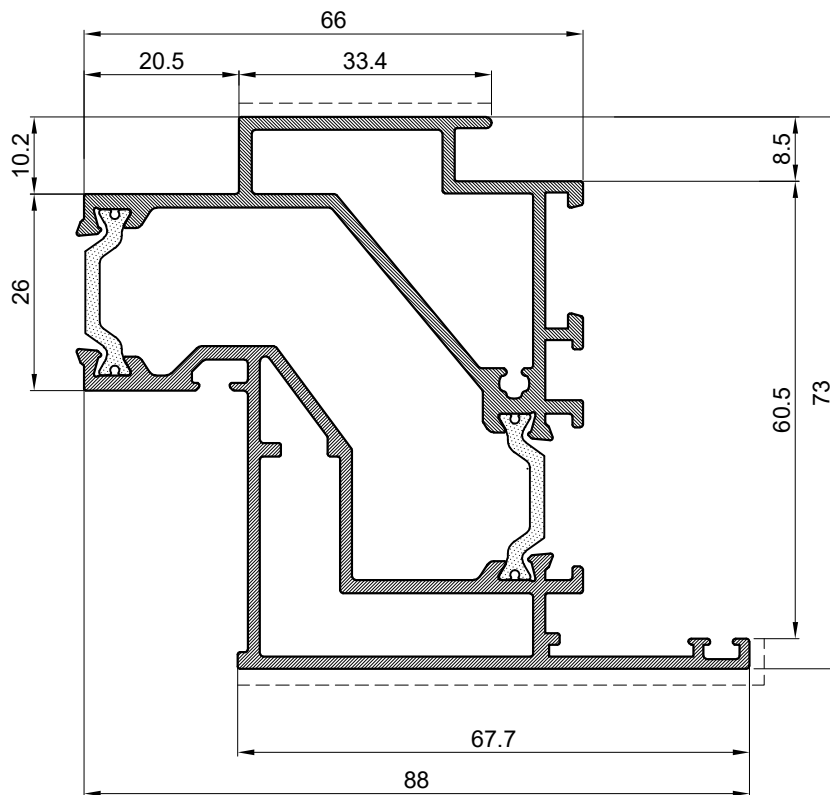


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0291	
Težina Weight	kg/m	1.915
Opseg Perimeter	mm	371
Moment inerције Moment of inertia	I _x (cm ⁴)	29.68
	I _y (cm ⁴)	30.87
	W _x (cm ³)	10.38
	W _y (cm ³)	6.52
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

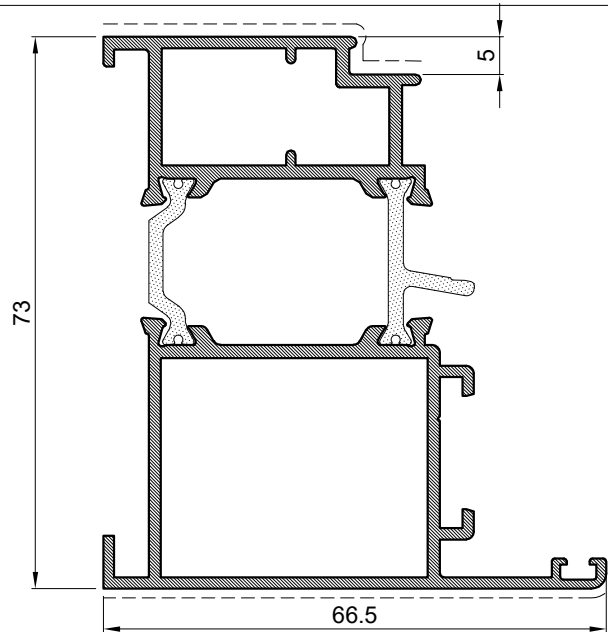


Profil rama, otvaranje vani Profile frame, outside opening		
Art.Br. Art.Nr.	FT-0278	
Težina Weight	kg/m	1.736
Opseg Perimeter	mm	387
Moment inercije Moment of inertia	Ix (cm4)	30.15
	Iy (cm4)	18.79
	Wx (cm3)	9.47
	Wy (cm3)	4.35
L	mm	6500



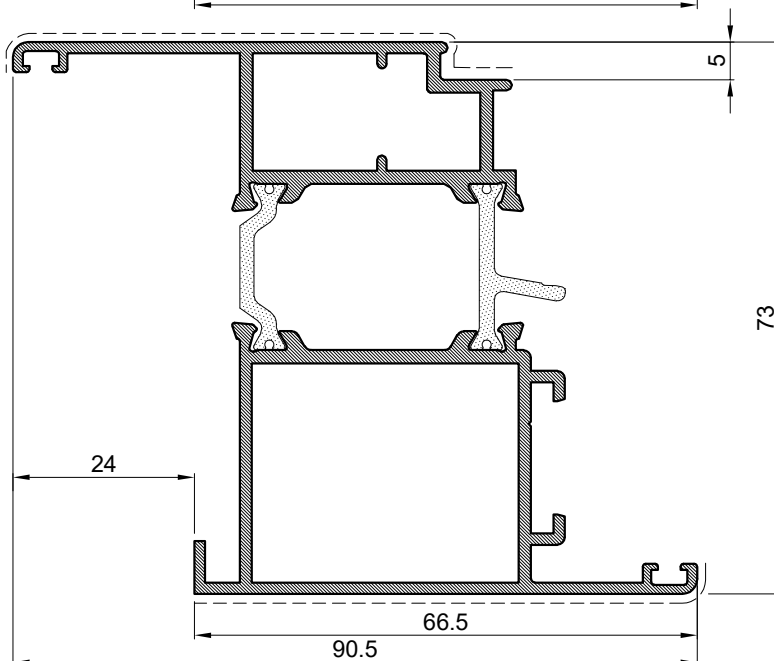
Profil rama u fasadi -otv.vani Profile frame in facade-outside opening		
Art.Br. Art.Nr.	FT-0290	
Težina Weight	kg/m	2.14
Opseg Perimeter	mm	440
Moment inercije Moment of inertia	Ix (cm4)	34.33
	Iy (cm4)	31.3
	Wx (cm3)	9.01
	Wy (cm3)	6.52
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



Profil rama, otvaranje vani
Profile frame, outside opening

Art.Br. Art.Nr.	FT-0202	
Težina Weight	kg/m	1.631
Opseg Perimeter	mm	373
Moment inercije Moment of inertia	Ix (cm4)	26.71
	Iy (cm4)	14.88
	Wx (cm3)	9.11
	Wy (cm3)	3.7
L	mm	6500

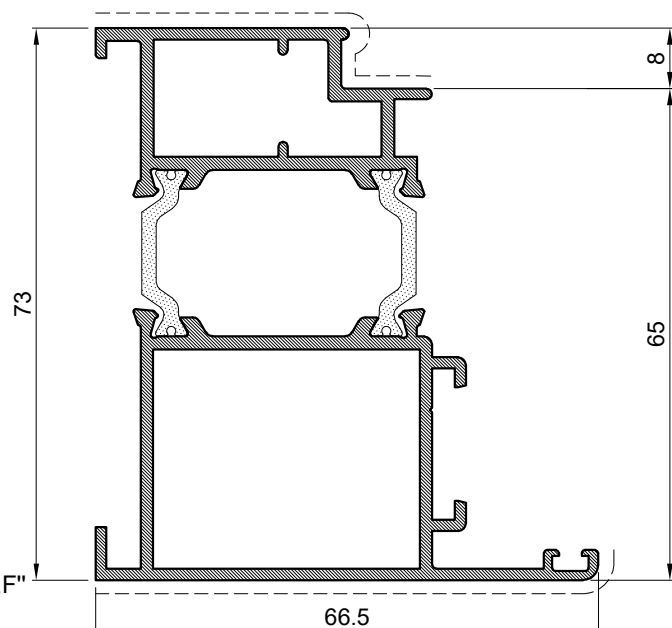


Profil rama-otvaranje vani
Profile frame-outside opening

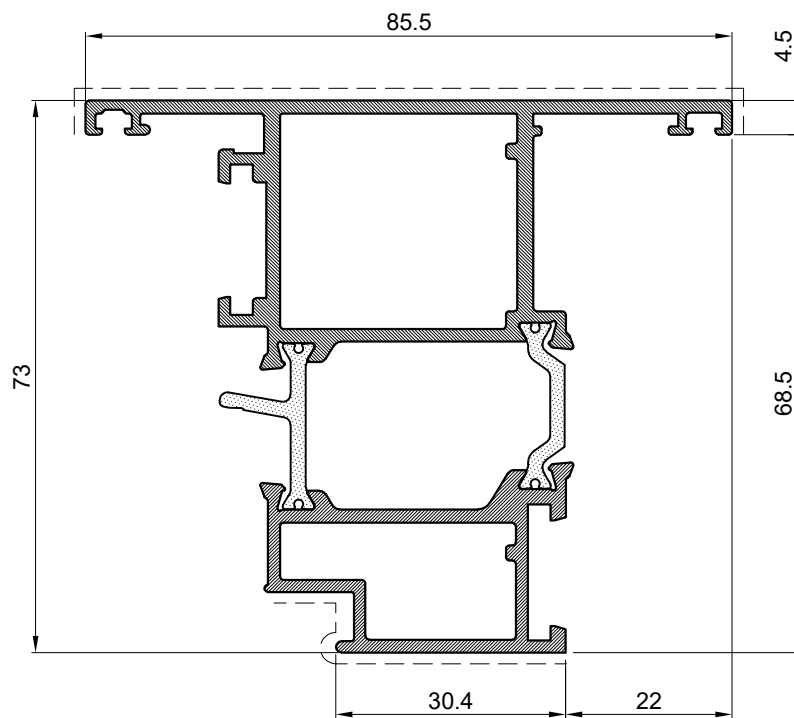
Art.Br. Art.Nr.	FT-0215	
Težina Weight	kg/m	1.727
Opseg Perimeter	mm	430
Moment inercije Moment of inertia	Ix (cm4)	30.2
	Iy (cm4)	20.77
	Wx (cm3)	10.85
	Wy (cm3)	4.36
L	mm	6500

Profil rama-otvaranje vani
Profile frame-outside opening

Art.Br. Art.Nr.	FT-0220	
Težina Weight	kg/m	1.596
Opseg Perimeter	mm	354
Moment inercije Moment of inertia	Ix (cm4)	26.73
	Iy (cm4)	14.92
	Wx (cm3)	9.14
	Wy (cm3)	3.72
L	mm	6500

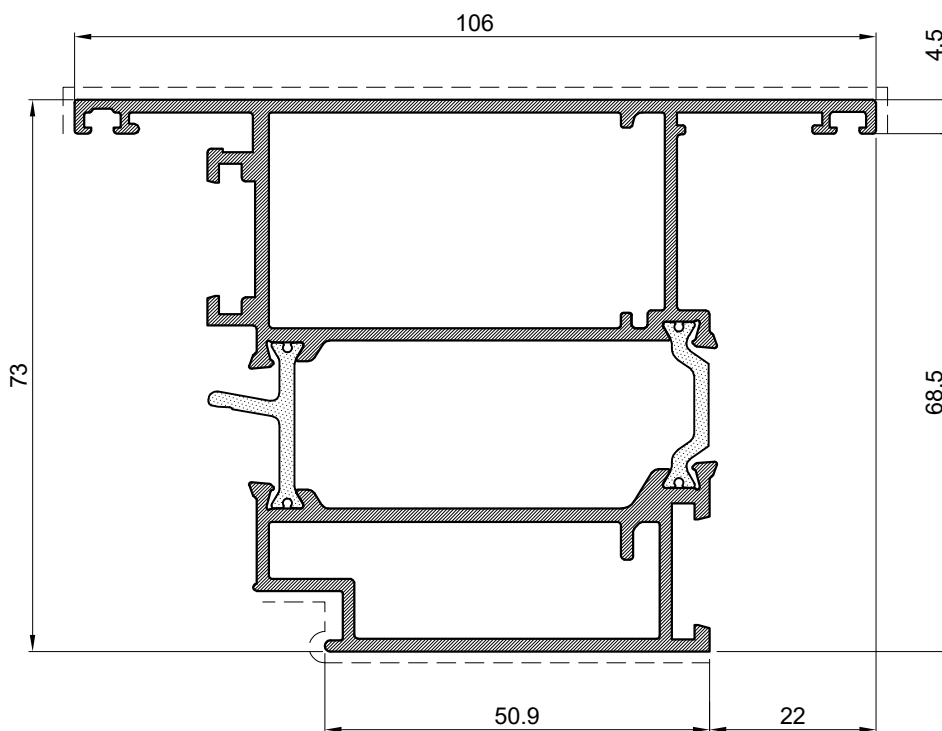


PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



Profil krila, otvaranje vani
Profile sash, outside opening

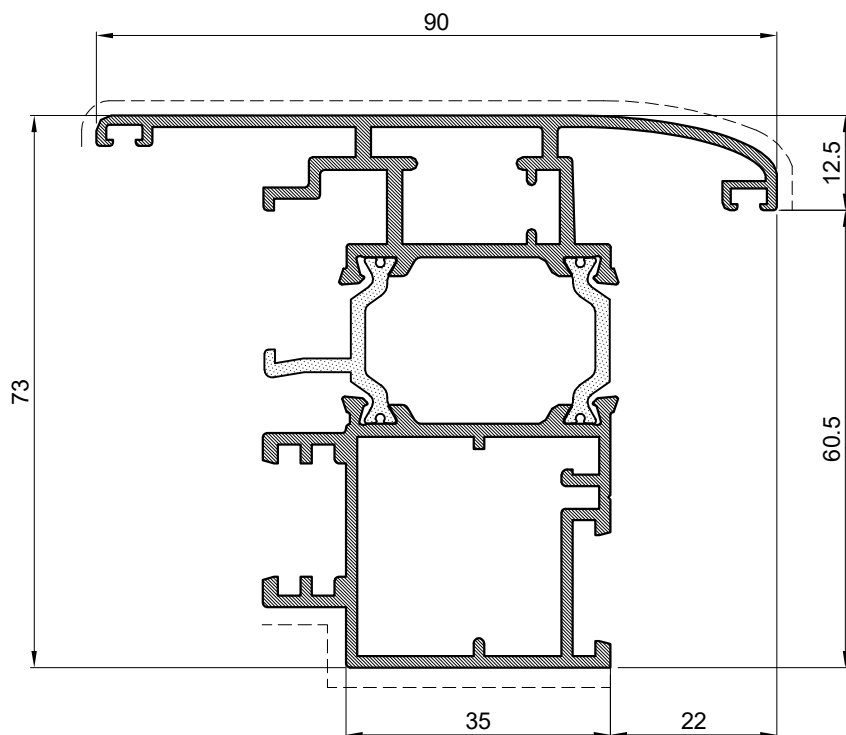
Art.Br. Art.Nr.	FT-0283	
Težina Weight	kg/m	1.876
Opseg Perimeter	mm	422
Moment inerције Moment of inertia	Ix (cm4)	31.49
	Iy (cm4)	21.88
	Wx (cm3)	9.88
	Wy (cm3)	5.09
L	mm	6500



Profil krila, otvaranje vani
Profile sash, outside opening

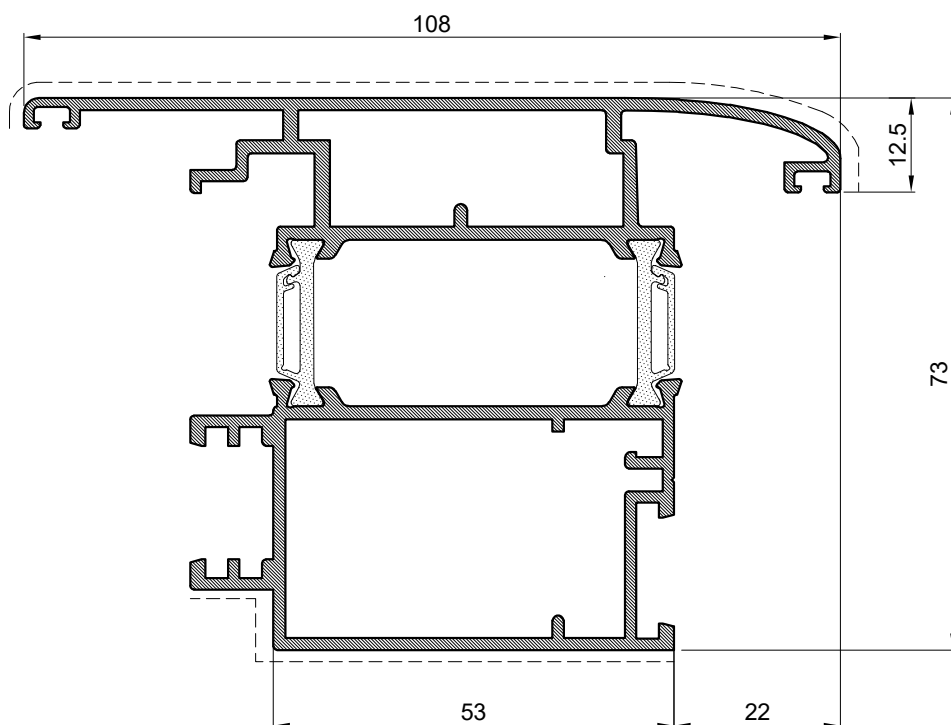
Art.Br. Art.Nr.	FT-0279	
Težina Weight	kg/m	2.24
Opseg Perimeter	mm	496
Moment inerције Moment of inertia	Ix (cm4)	39.8
	Iy (cm4)	49.66
	Wx (cm3)	13.12
	Wy (cm3)	9.3
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



Profil krila-otvaranje vani
Profile sash-outside opening

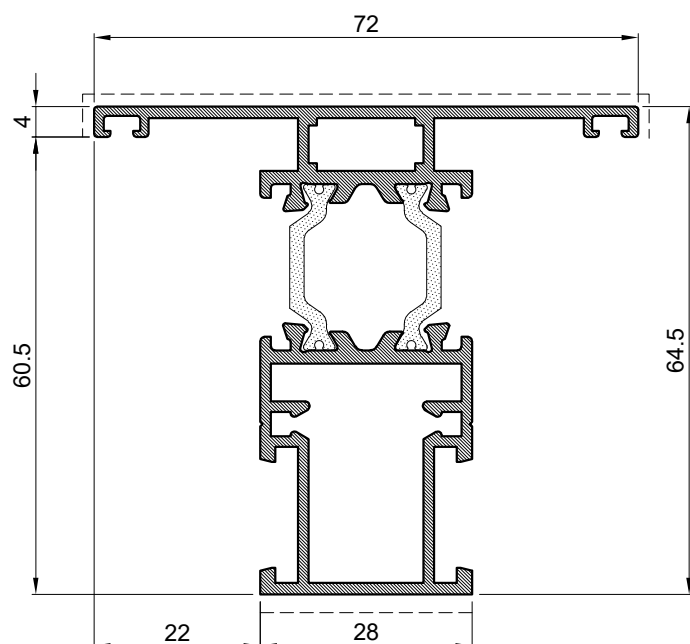
Art.Br. Art.Nr.	FT-0210	
Težina Weight	kg/m	1.995
Opseg Perimeter	mm	530
Moment inercije Moment of inertia	Ix (cm ⁴)	31.21
	Iy (cm ⁴)	23.21
	Wx (cm ³)	9.66
	Wy (cm ³)	4.93
L	mm	6500



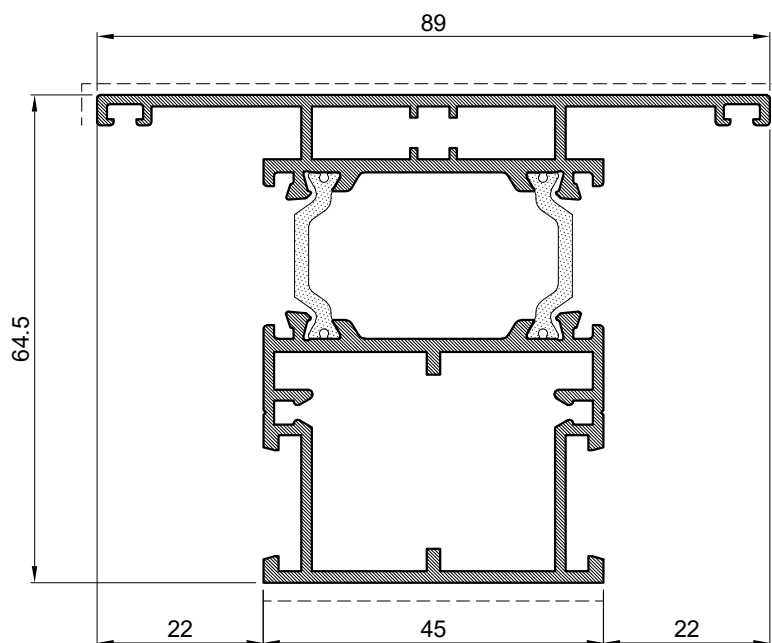
Profil krila-otvaranje vani
Profile sash-outside opening

Art.Br. Art.Nr.	FT-0219	
Težina Weight	kg/m	2.34
Opseg Perimeter	mm	547
Moment inercije Moment of inertia	Ix (cm ⁴)	38.49
	Iy (cm ⁴)	49.45
	Wx (cm ³)	12.06
	Wy (cm ³)	8.82
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

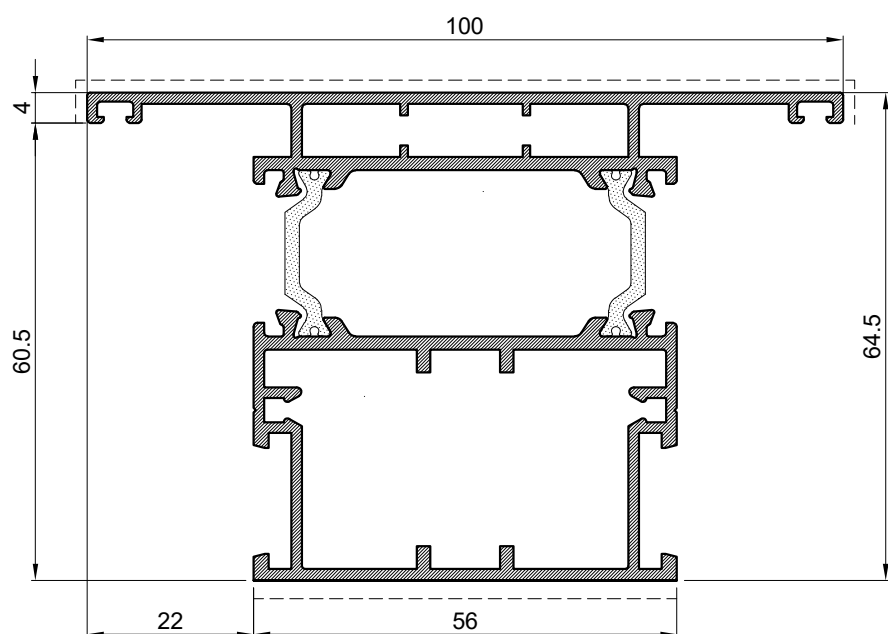


Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0205	
Težina Weight	kg/m	1.452
Opseg Perimeter	mm	379
Moment inercije Moment of inertia	Ix (cm4)	17.78
	Iy (cm4)	8.91
	Wx (cm3)	6.14
	Wy (cm3)	2.47
L	mm	6500

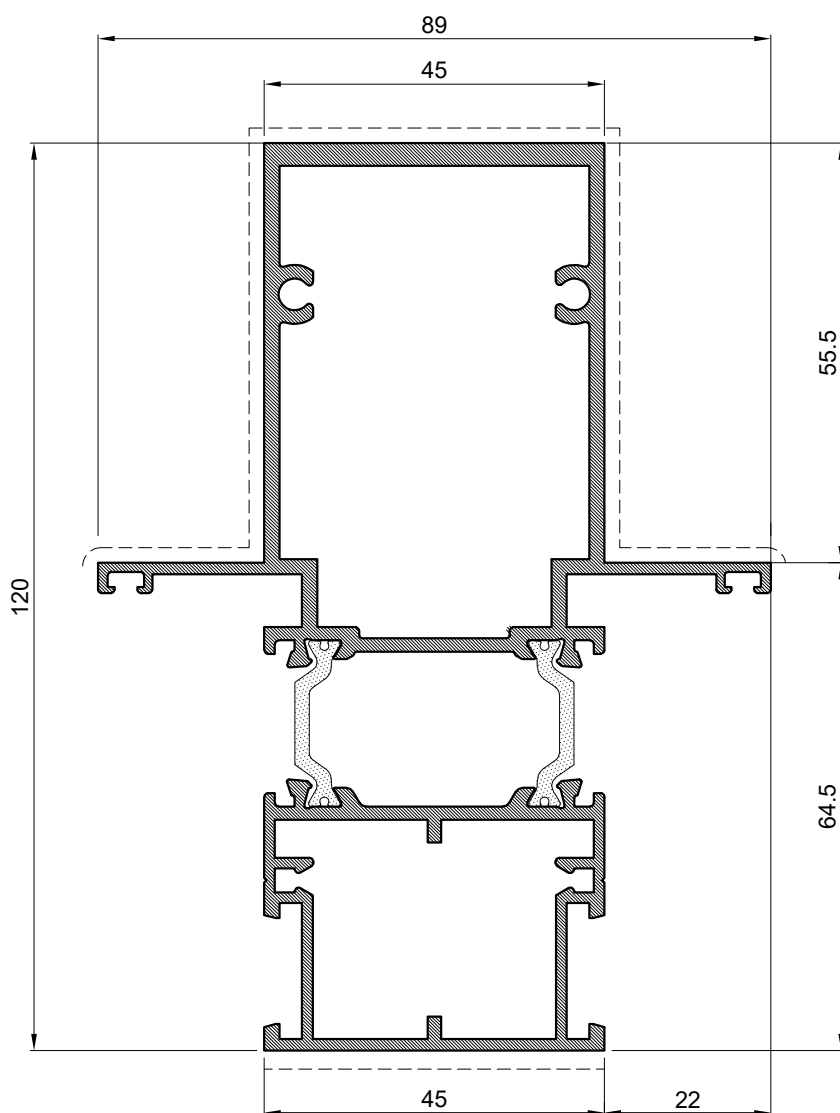


Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0206	
Težina Weight	kg/m	1.789
Opseg Perimeter	mm	410
Moment inercije Moment of inertia	Ix (cm4)	23.17
	Iy (cm4)	21.51
	Wx (cm3)	8.05
	Wy (cm3)	4.83
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

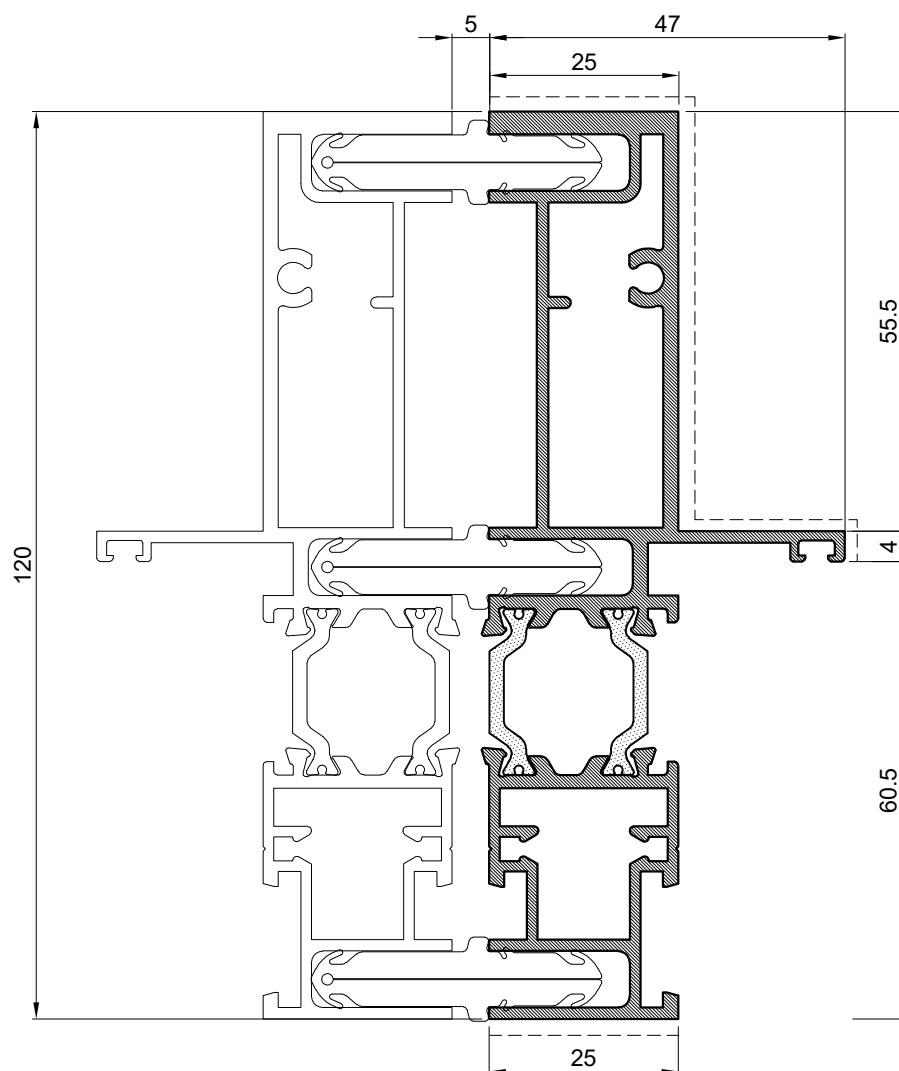


Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-2620	
Težina Weight	kg/m	1.977
Opseg Perimeter	mm	554
Moment inerције Moment of inertia	I _x (cm ⁴)	26.8
	I _y (cm ⁴)	34.03
	W _x (cm ³)	9.37
	W _y (cm ³)	6.81
L	mm	6500

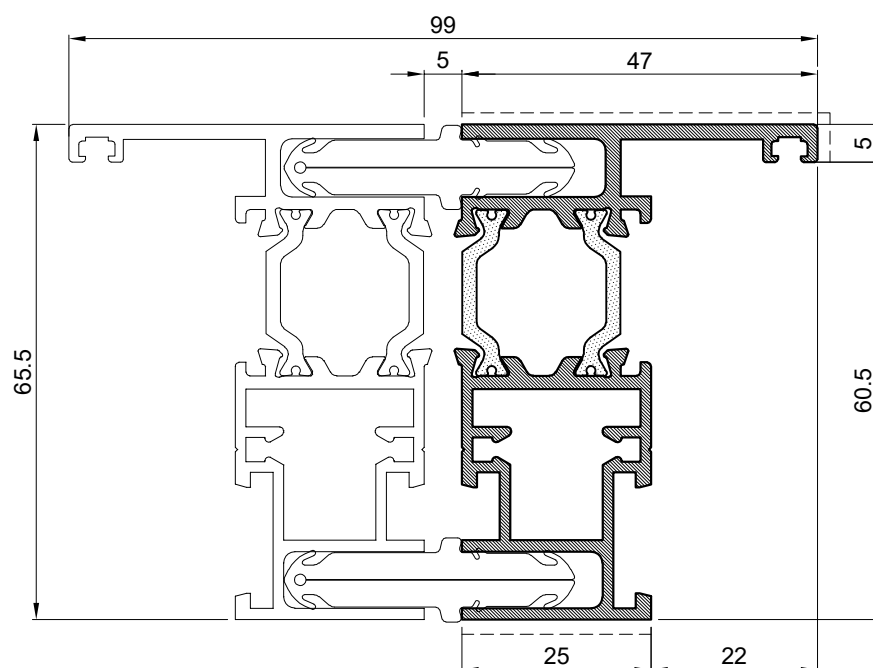


Profil ojačane prečke Reinforcement window mullion		
Art.Br. Art.Nr.	FT-0209	
Težina Weight	kg/m	2.711
Opseg Perimeter	mm	520
Moment inercije Moment of inertia	I _x (cm ⁴)	108
	I _y (cm ⁴)	34.73
	W _x (cm ³)	21.62
	W _y (cm ³)	7.8
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



Vezni profil s ojačanjem Connection profile-reinforcement		
Art.Br. Art.Nr.	FT-0226	
Težina Weight	kg/m	2.027
Opseg Perimeter	mm	516
Moment inercije Moment of inertia	Ix (cm4)	80.44
	Iy (cm4)	6.66
	Wx (cm3)	16.34
	Wy (cm3)	2.1
L	mm	6500

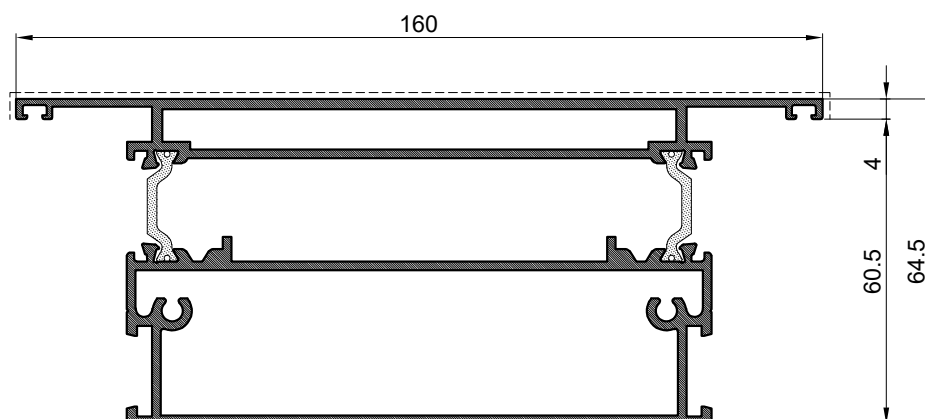


Vezni profil Connection profile		
Art.Br. Art.Nr.	FT-0227	
Težina Weight	kg/m	1.311
Opseg Perimeter	mm	386
Moment inercije Moment of inertia	Ix (cm4)	16.5
	Iy (cm4)	5.42
	Wx (cm3)	6
	Wy (cm3)	1.73
L	mm	6500

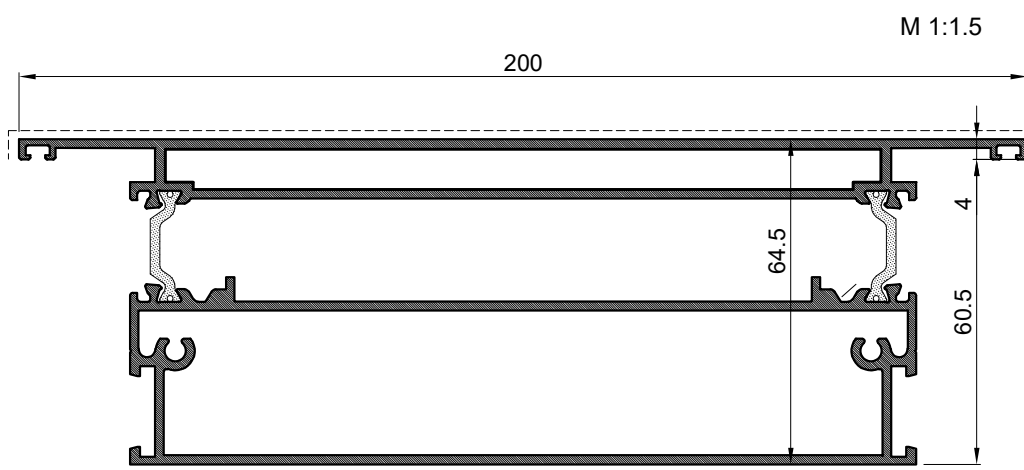
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

M 1:1.5

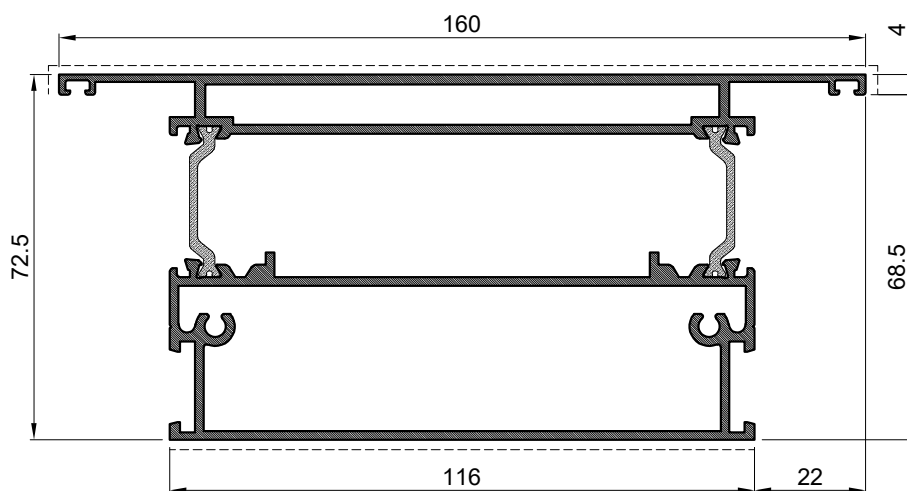
Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0207	
Težina Weight	kg/m	3.437
Opseg Perimeter	mm	559
Moment inercije Moment of inertia	I _x (cm ⁴)	48.28
	I _y (cm ⁴)	209.94
	W _x (cm ³)	16.84
	W _y (cm ³)	26.24
L	mm	6500



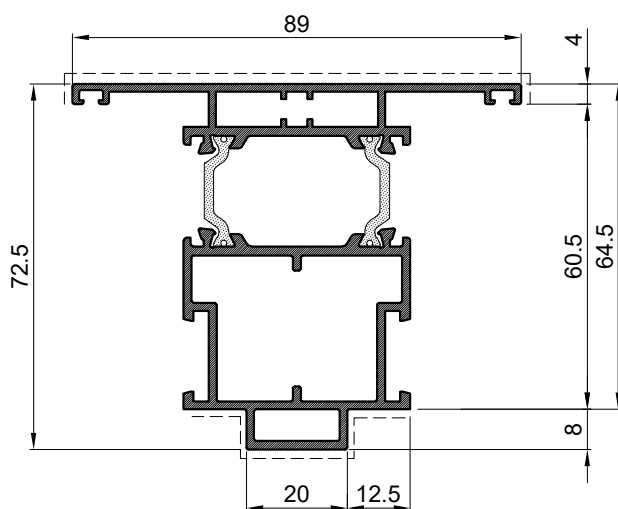
Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0243	
Težina Weight	kg/m	4.239
Opseg Perimeter	mm	677
Moment inercije Moment of inertia	I _x (cm ⁴)	62.88
	I _y (cm ⁴)	450.12
	W _x (cm ³)	21.93
	W _y (cm ³)	45.01
L	mm	6500



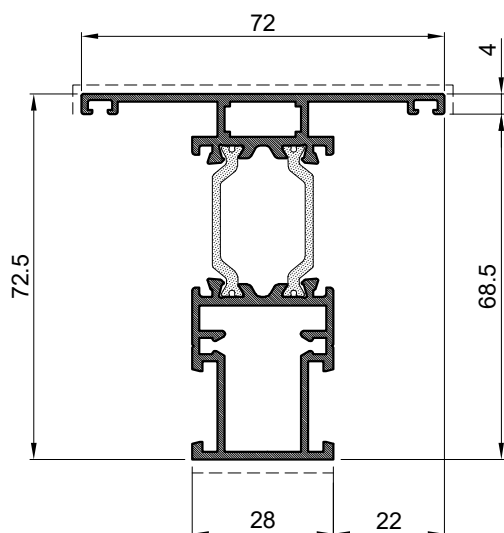
Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-1618	
Težina Weight	kg/m	3.479
Opseg Perimeter	mm	581
Moment inercije Moment of inertia	I _x (cm ⁴)	63.36
	I _y (cm ⁴)	209.98
	W _x (cm ³)	20.53
	W _y (cm ³)	26.25
L	mm	6500



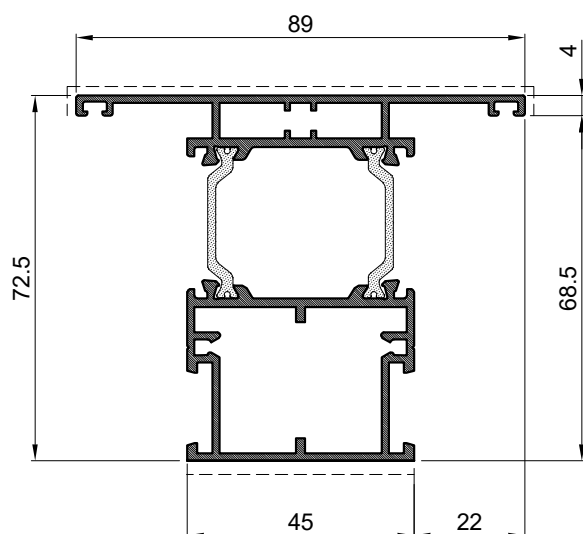
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0276	
Težina Weight	kg/m	1.876
Opseg Perimeter	mm	454
Moment inercije Moment of inertia	Ix (cm4)	30.71
	Iy (cm4)	21.67
	Wx (cm3)	9.5
	Wy (cm3)	4.83
L	mm	6500

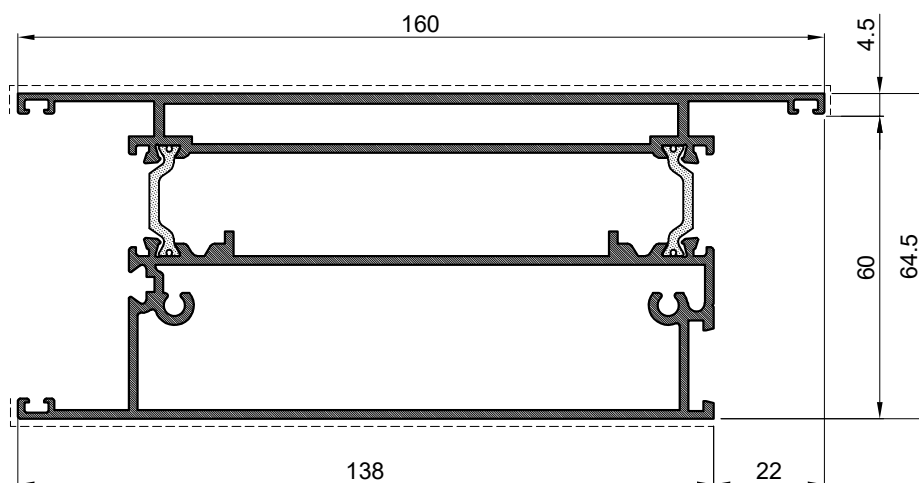


Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0284	
Težina Weight	kg/m	1.450
Opseg Perimeter	mm	392
Moment inercije Moment of inertia	Ix (cm4)	23.66
	Iy (cm4)	8.91
	Wx (cm3)	7.59
	Wy (cm3)	2.48
L	mm	6500

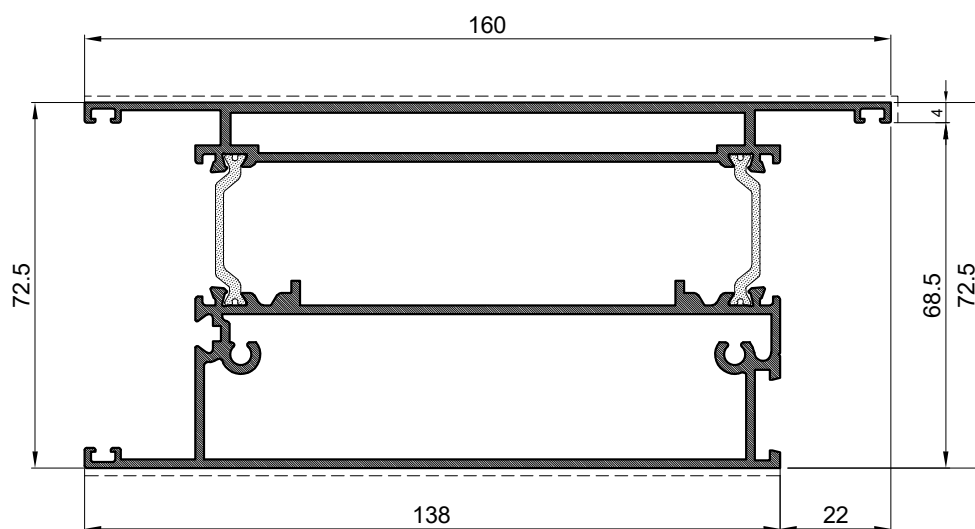


Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-1621	
Težina Weight	kg/m	1.740
Opseg Perimeter	mm	480
Moment inercije Moment of inertia	Ix (cm4)	30.64
	Iy (cm4)	21.51
	Wx (cm3)	9.88
	Wy (cm3)	4.83
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

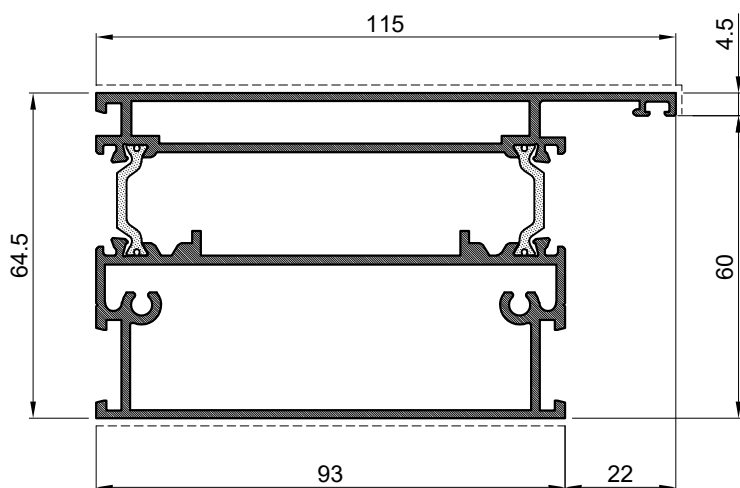
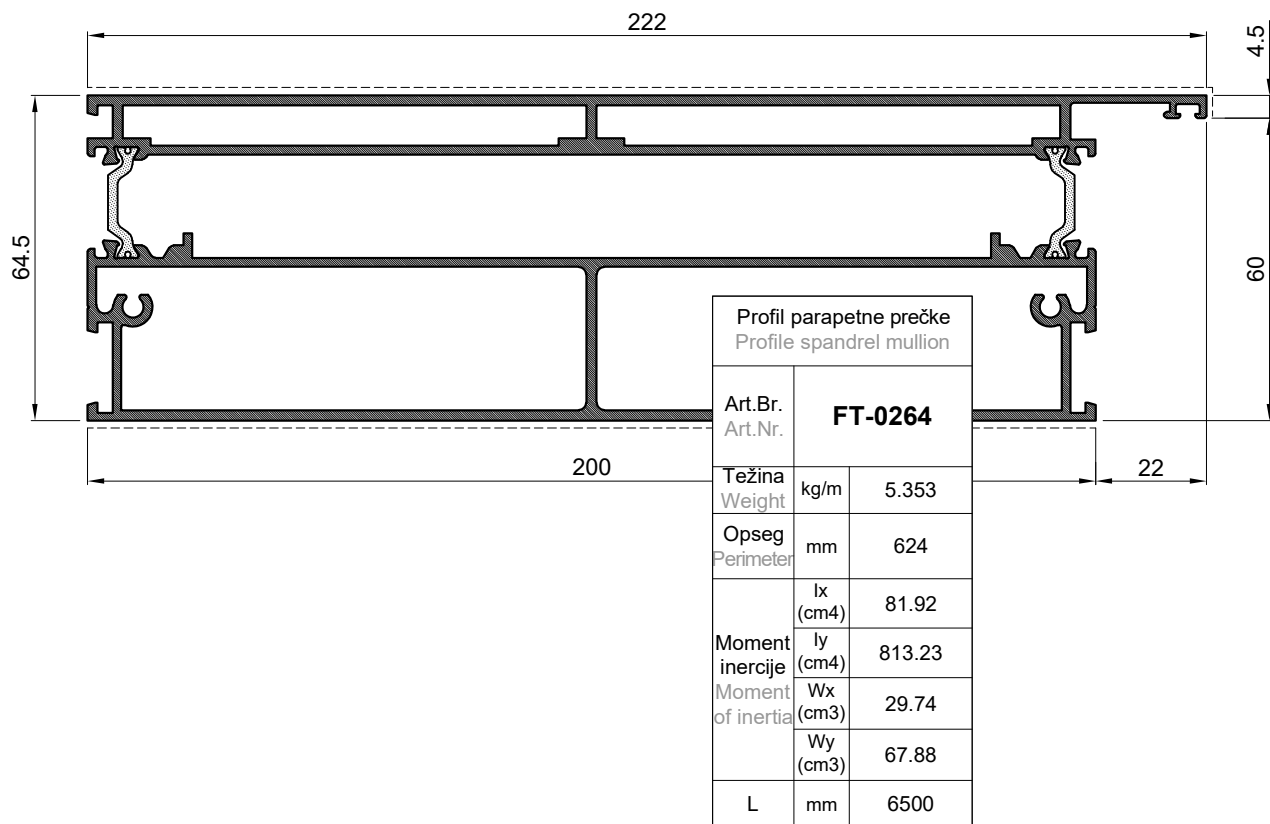


Profil parapetne prečke Profile spandrel mullion		
Art.Br. Art.Nr.	FT-0208	
Težina Weight	kg/m	3.497
Opseg Perimeter	mm	626
Moment inercije Moment of inertia	Ix (cm4)	52.07
	Iy (cm4)	230.02
	Wx (cm3)	18.7
	Wy (cm3)	27.94
L	mm	6500



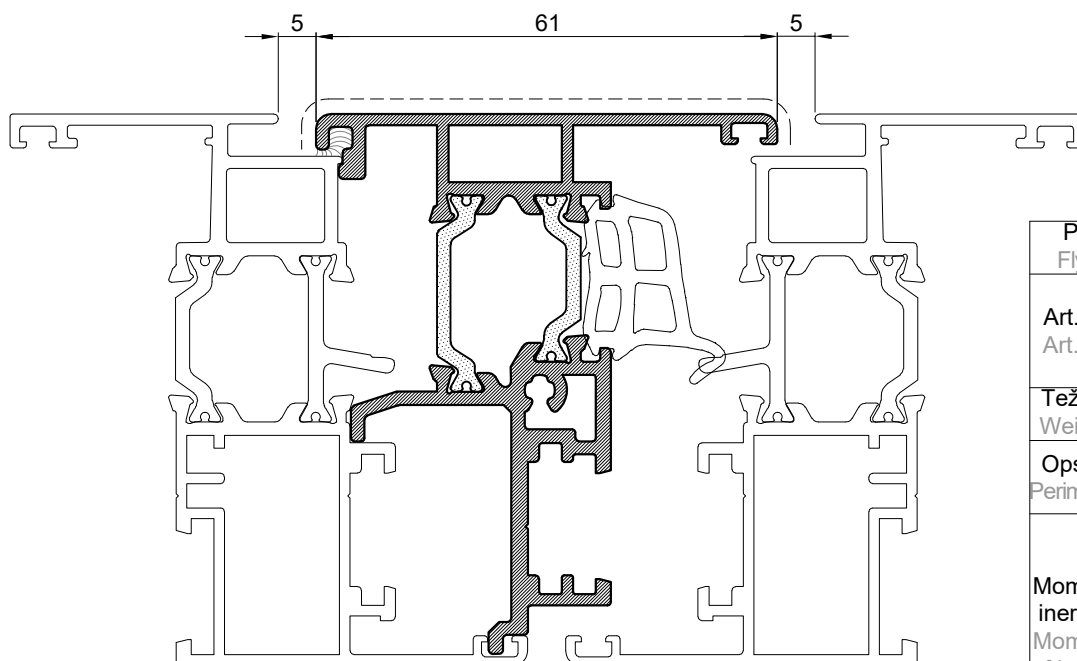
Profil parapetne prečke Profile spandrel mullion		
Art.Br. Art.Nr.	FT-0282	
Težina Weight	kg/m	3.53
Opseg Perimeter	mm	642
Moment inercije Moment of inertia	Ix (cm4)	67.89
	Iy (cm4)	230
	Wx (cm3)	22.64
	Wy (cm3)	27.94
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

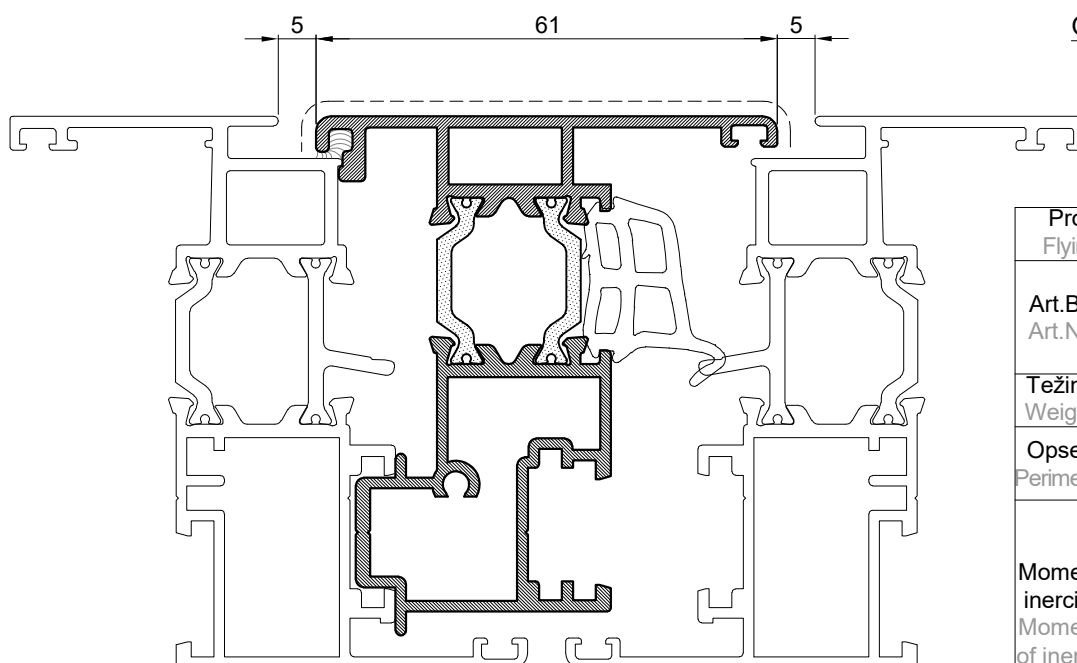


Profil parapetne prečke Profile spandrel mullion		
Art.Br. Art.Nr.	FT-0265	
Težina Weight	kg/m	2.769
Opseg Perimeter	mm	410
Moment inercije Moment of inertia	Ix (cm4)	37.23
	Iy (cm4)	109.23
	Wx (cm3)	13.45
	Wy (cm3)	16.51
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



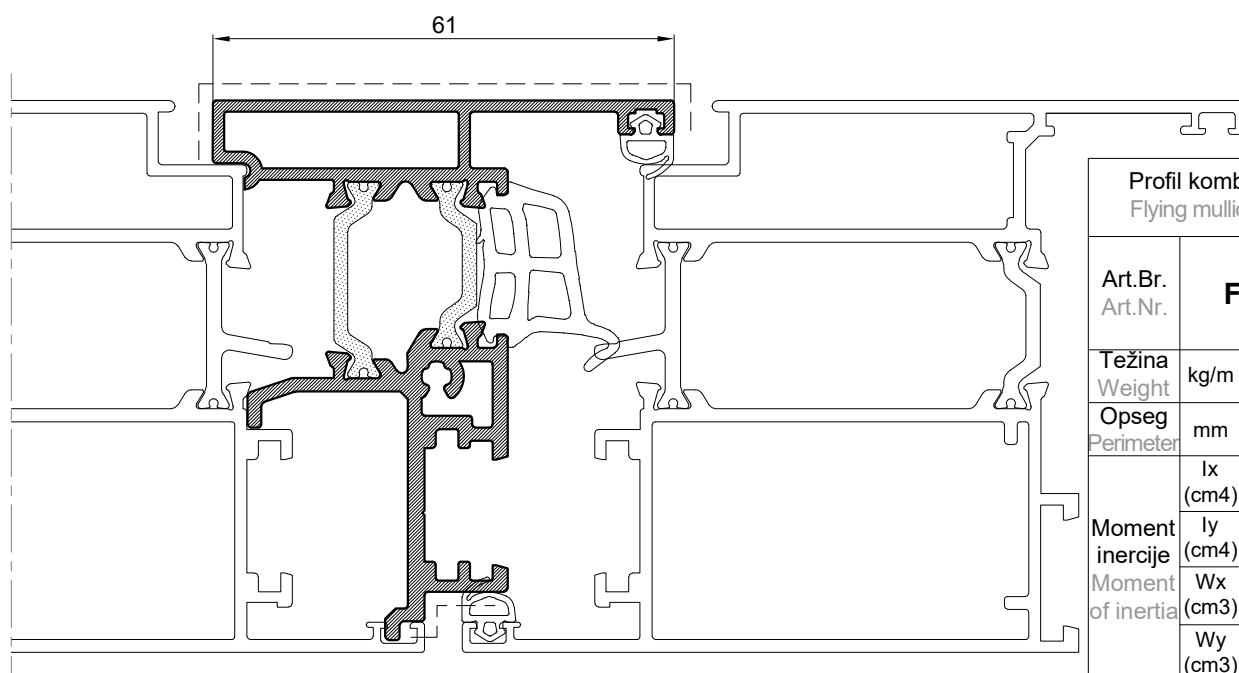
Profil komb.-za prozor Flying mullion-for window		
Art.Br. Art.Nr.	FT-0286	
Težina Weight	kg/m	1.417
Opseg Perimeter	mm	384
Moment inercije Moment of inertia	Ix (cm ⁴)	17.13
	Iy (cm ⁴)	6.51
	Wx (cm ³)	5.22
	Wy (cm ³)	1.94
L	mm	6500



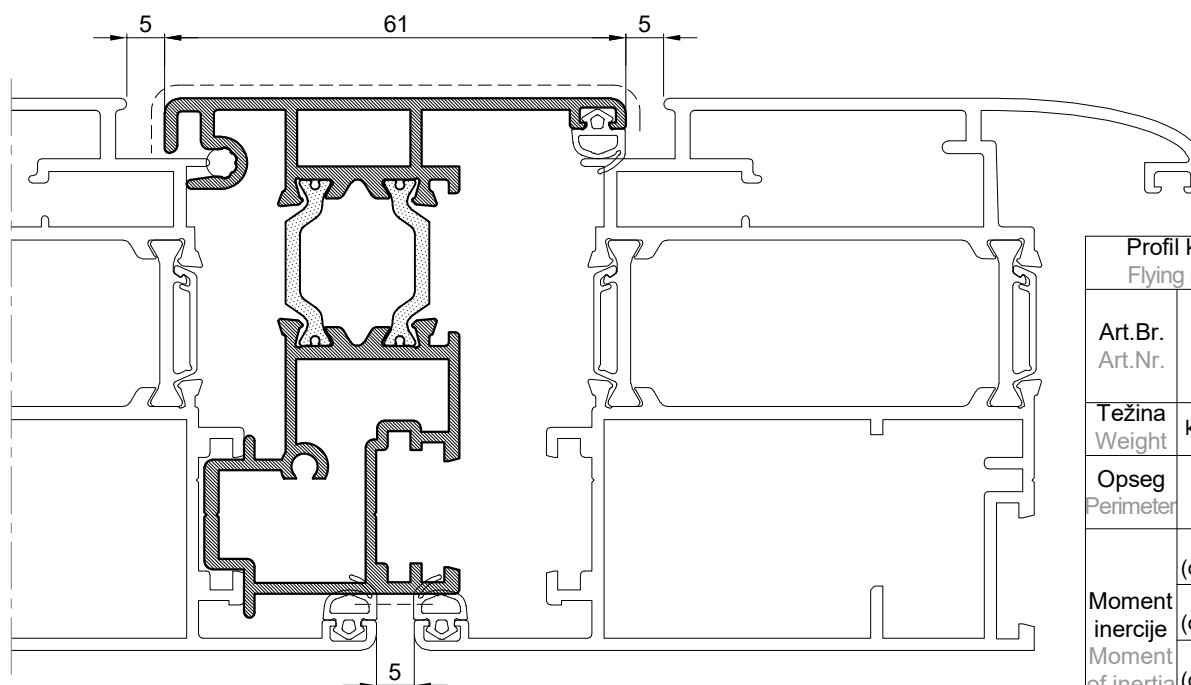
OPCIJA

Profil komb.-za prozor Flying mullion-for window		
Art.Br. Art.Nr.	FT-0211	
Težina Weight	kg/m	1.478
Opseg Perimeter	mm	375
Moment inercije Moment of inertia	Ix (cm ⁴)	20.07
	Iy (cm ⁴)	7.81
	Wx (cm ³)	6.83
	Wy (cm ³)	2.17
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

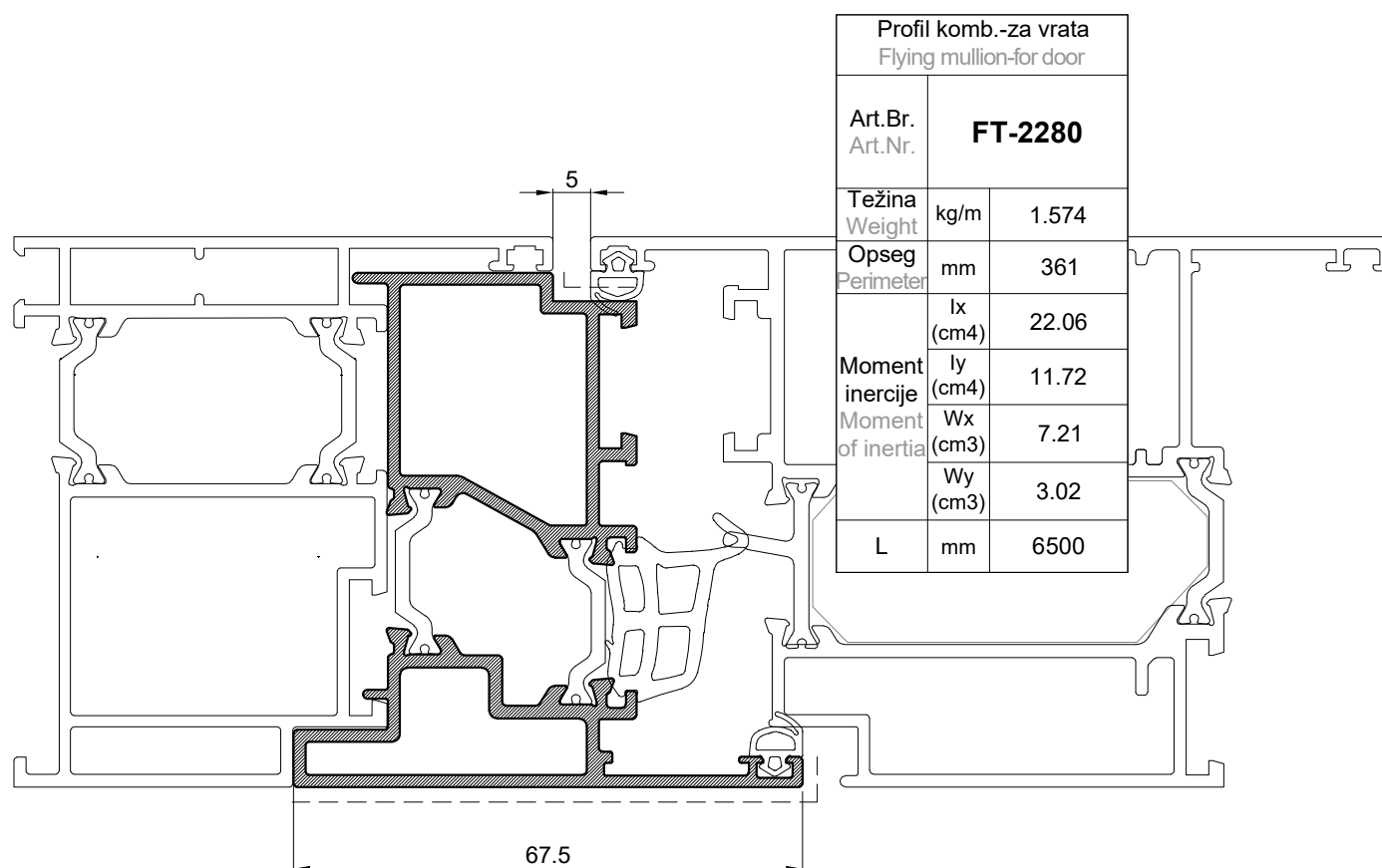
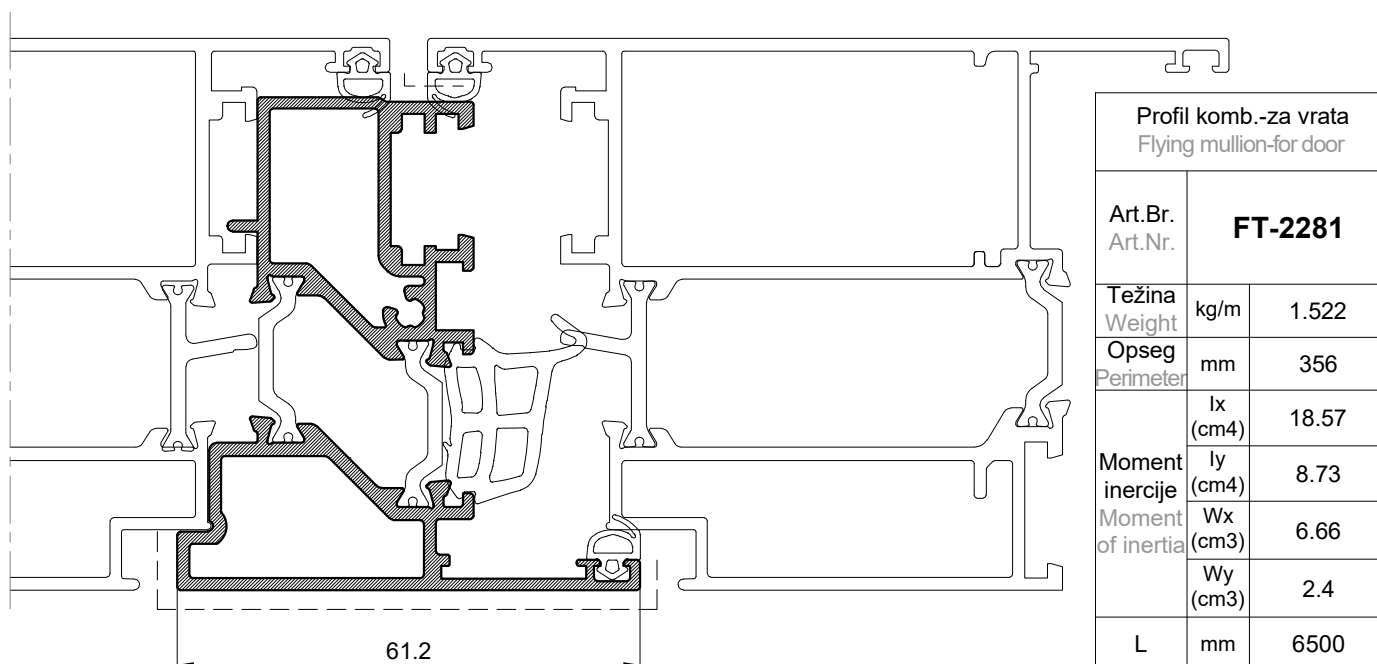


Profil komb.-za vrata Flying mullion-for door		
Art.Br. Art.Nr.	FT-0277	
Težina Weight	kg/m	1.451
Opseg Perimeter	mm	423
Moment inercije Moment of inertia	Ix (cm4)	17.43
	Iy (cm4)	4.58
	Wx (cm3)	5.28
	Wy (cm3)	2.23
L	mm	6500

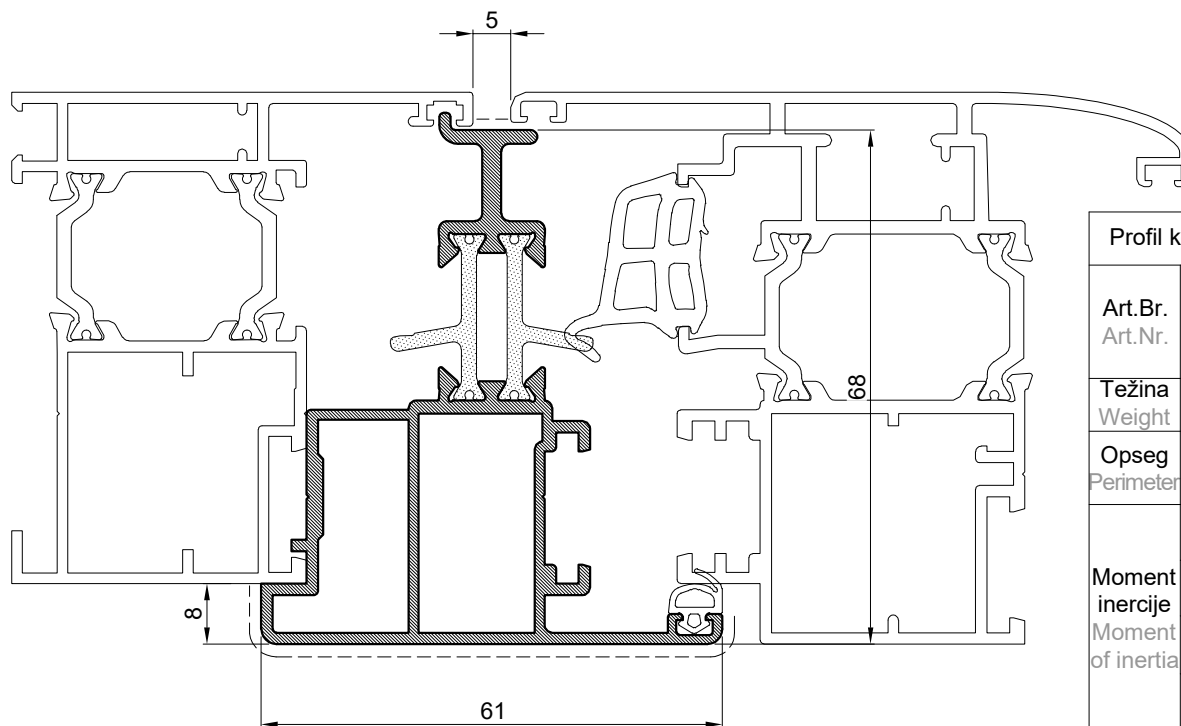


Profil komb.-za vrata Flying mullion-for door		
Art.Br. Art.Nr.	FT-0211-A	
Težina Weight	kg/m	1.492
Opseg Perimeter	mm	410
Moment inercije Moment of inertia	Ix (cm4)	20.4
	Iy (cm4)	8.59
	Wx (cm3)	6.62
	Wy (cm3)	2.34
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

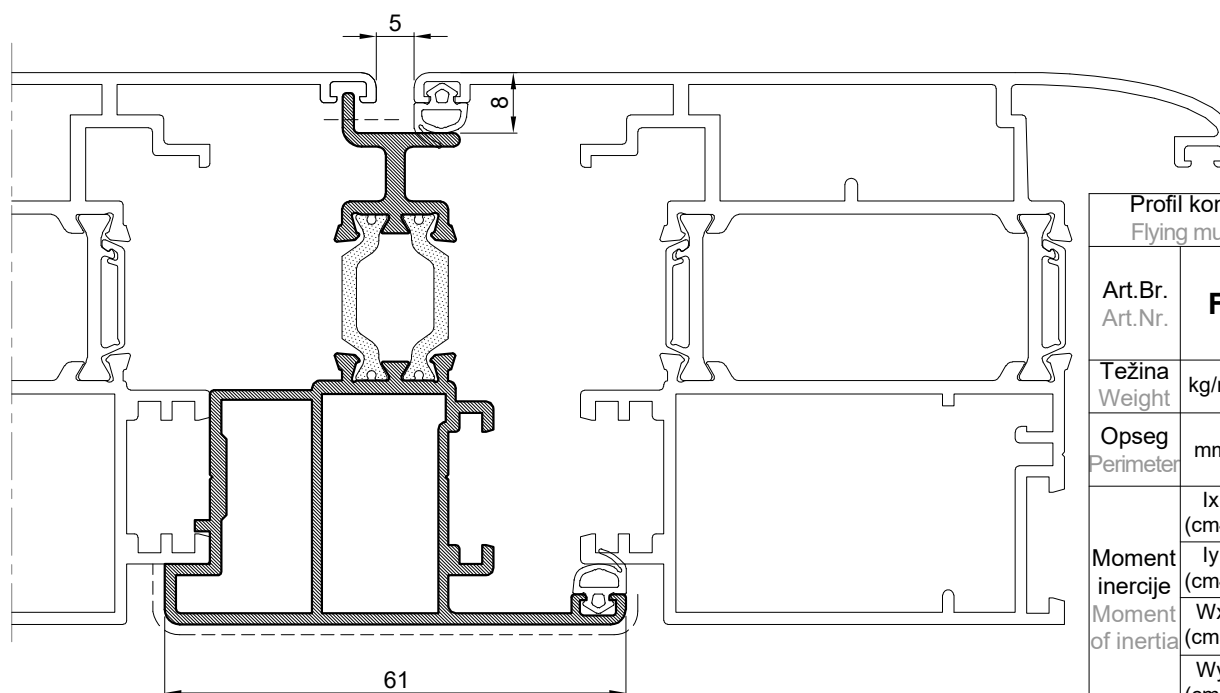


PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



Profil komb. Flying mullion

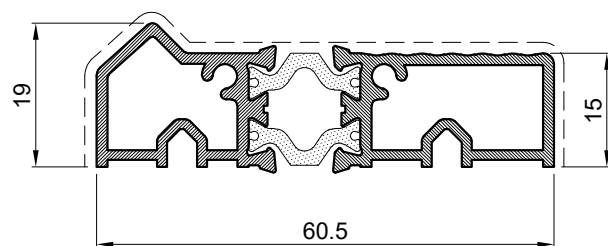
Art.Br. Art.Nr.	FT-0213	
Težina Weight	kg/m	1.339
Opseg Perimeter	mm	376
Moment inercije Moment of inertia	I _x (cm ⁴)	15.81
	I _y (cm ⁴)	18.16
	W _x (cm ³)	4.45
	W _y (cm ³)	2.38
L	mm	6500



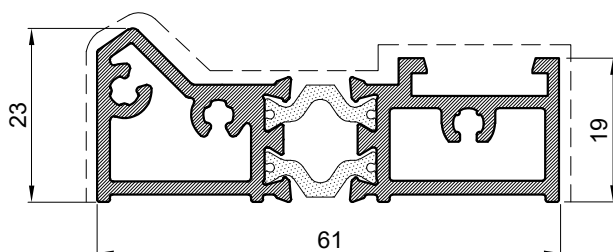
Profil komb.-za vrata
Flying mullion-for door

Art.Br. Art.Nr.	FT-0213-A	
Težina Weight	kg/m	1.293
Opseg Perimeter	mm	333
Moment inercije Moment of inertia	I _x (cm ⁴)	15.6
	I _y (cm ⁴)	8.21
	W _x (cm ³)	4.39
	W _y (cm ³)	2.4
L	mm	6500

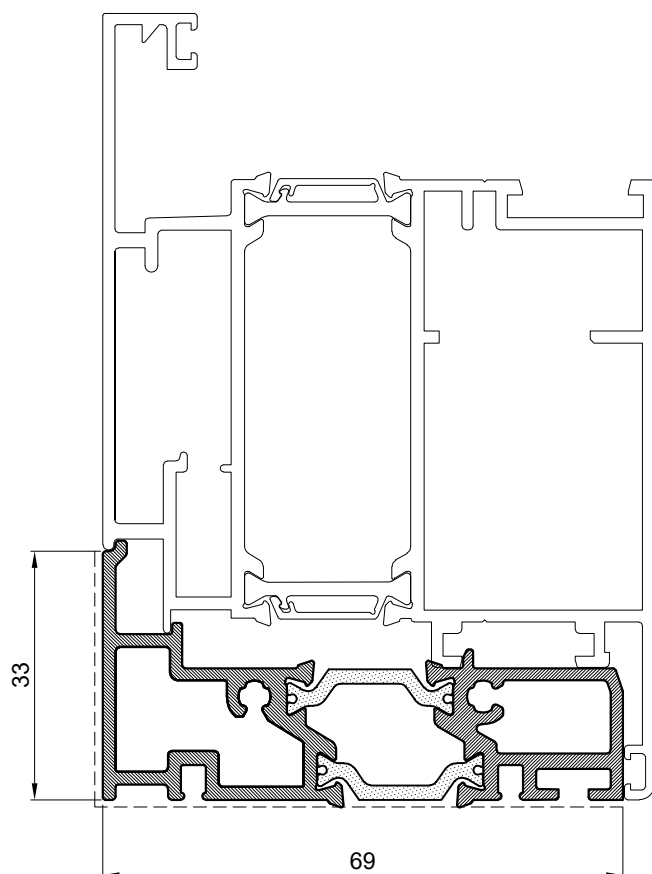
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



Profil praga Profile threshold		
Art.Br. Art.Nr.	FT-0223	
Težina Weight	kg/m	0.832
Opseg Perimeter	mm	175
L	mm	6500

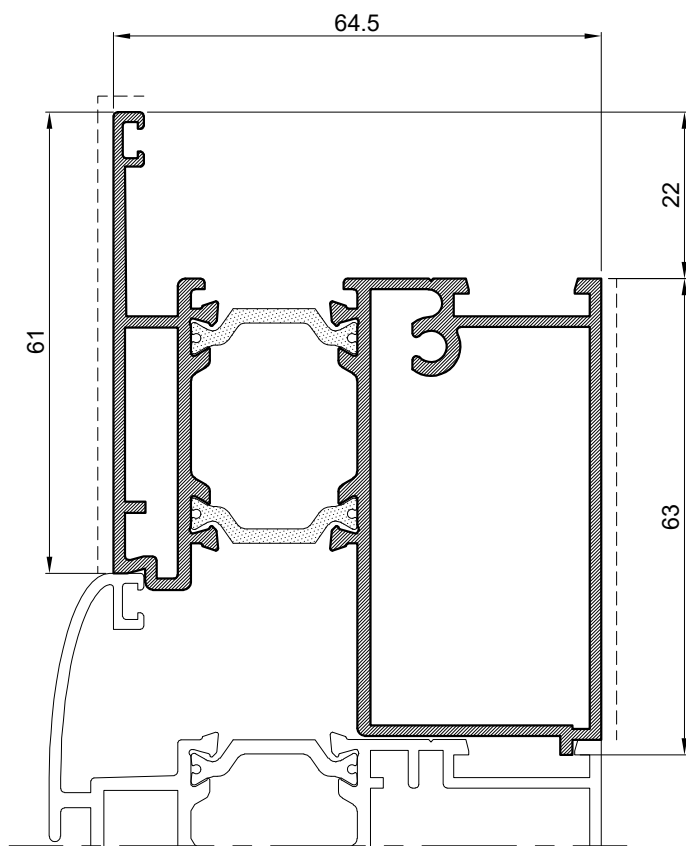


Profil praga Profile threshold		
Art.Br. Art.Nr.	FT-0294	
Težina Weight	kg/m	1.136
Opseg Perimeter	mm	206
L	mm	6500

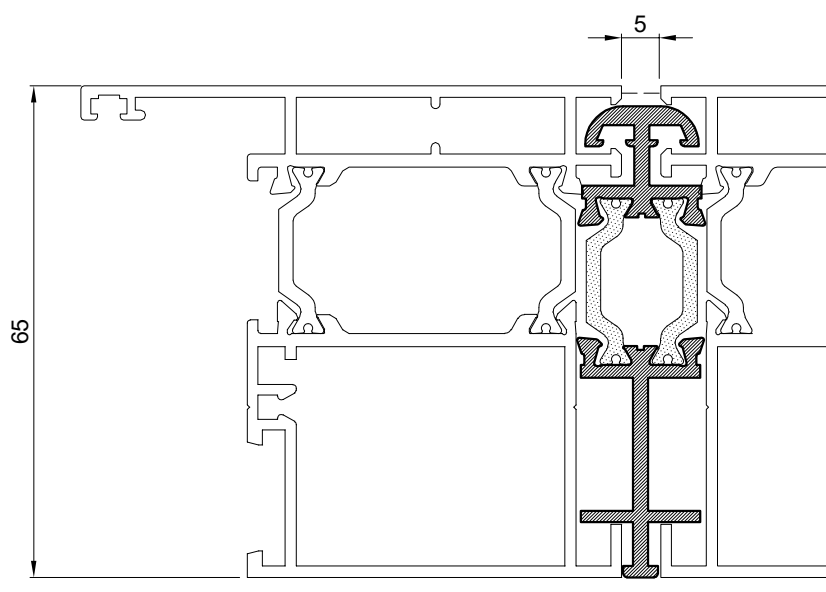


Profil parapeta Profile spandrel		
Art.Br. Art.Nr.	FT-0288	
Težina Weight	kg/m	1.251
Opseg Perimeter	mm	260
Moment inercije Moment of inertia	I _x (cm ⁴)	2.45
	I _y (cm ⁴)	16.19
	W _x (cm ³)	1.03
	W _y (cm ³)	5.83
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

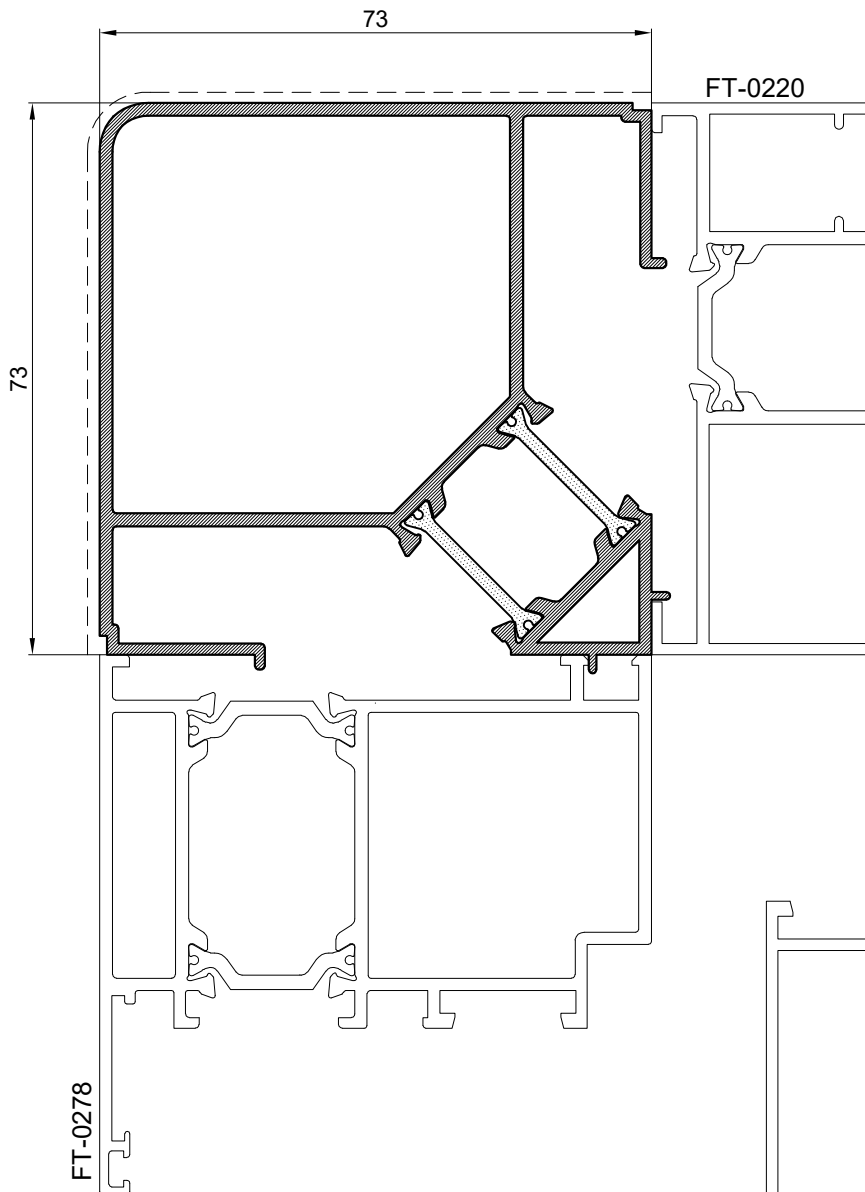


Parapetni profil Spandrel profile		
Art.Br. Art.Nr.	FT-0228	
Težina Weight	kg/m	1.707
Opseg Perimeter	mm	371
Moment inercije Moment of inertia	Ix (cm ⁴)	24.74
	Iy (cm ⁴)	22.75
	Wx (cm ³)	5.58
	Wy (cm ³)	8.62
L	mm	6500



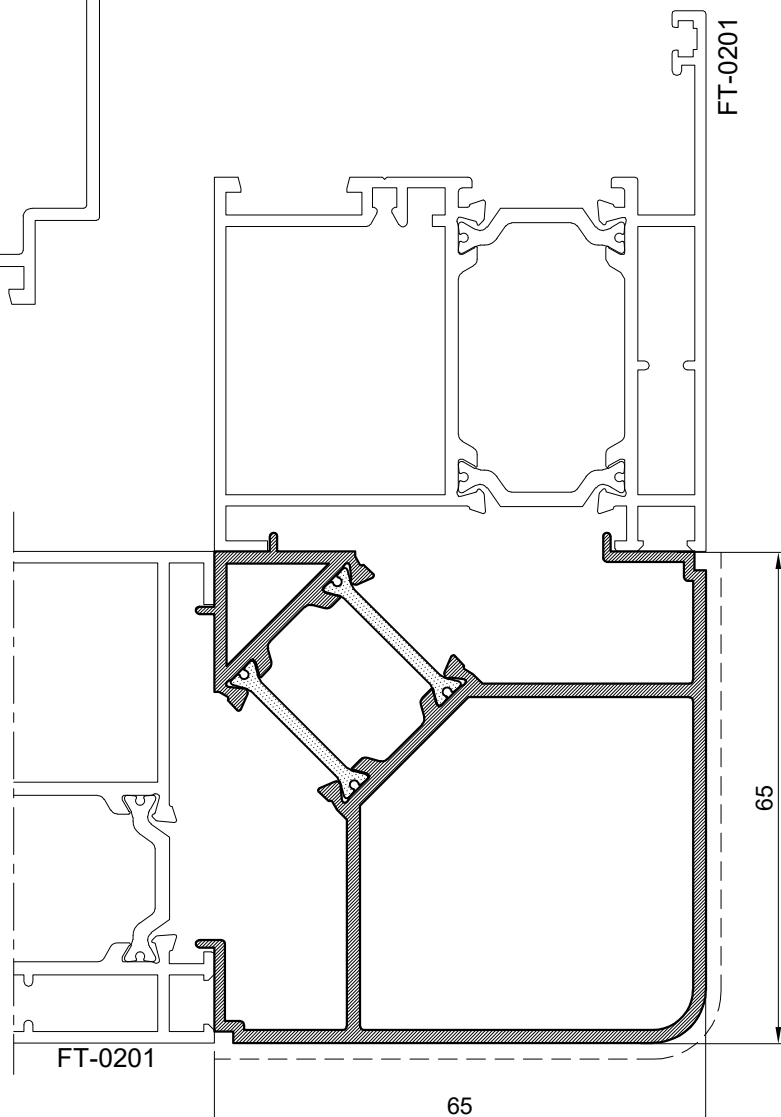
Vezni profil Connection profile		
Art.Br. Art.Nr.	FT-0216	
Težina Weight	kg/m	0.830
Opseg Perimeter	mm	248
Moment inercije Moment of inertia	Ix (cm ⁴)	6.96
	Iy (cm ⁴)	0.39
	Wx (cm ³)	2.69
	Wy (cm ³)	0.45
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

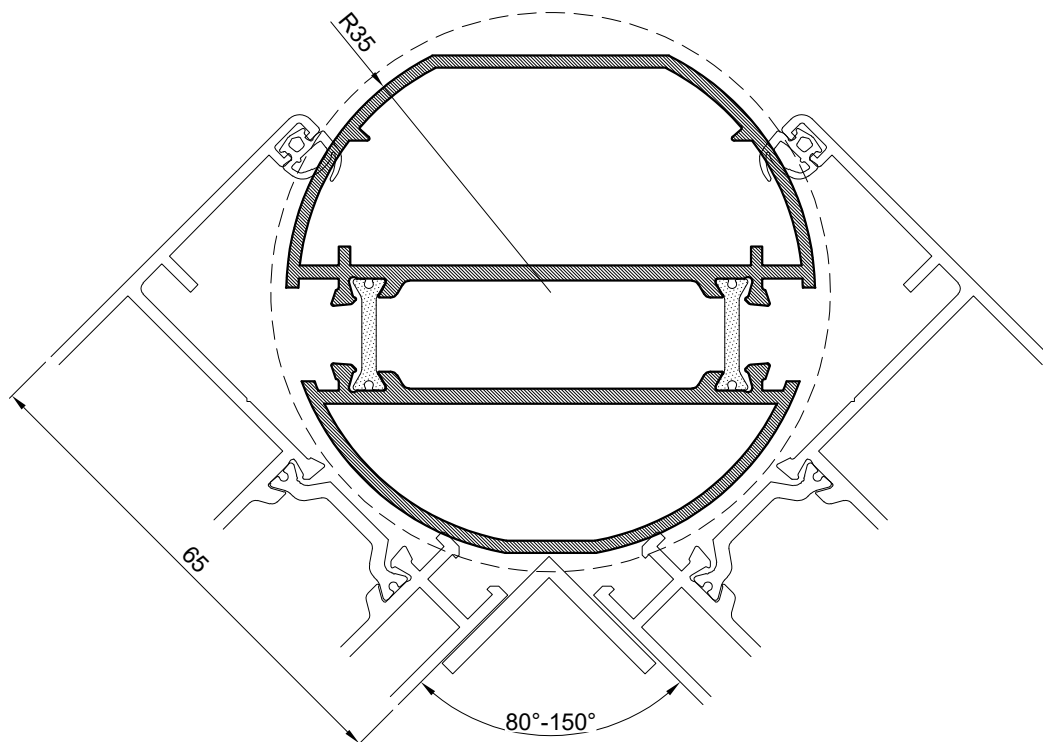


Profil za kut 90° Profile for corner 90°		
Art.Br. Art.Nr.	FT-0235	
Težina Weight	kg/m	1.796
Opseg Perimeter	mm	448
Moment inercije Moment of inertia	I _x (cm ⁴)	39.33
	I _y (cm ⁴)	42.91
	W _x (cm ³)	11.34
	W _y (cm ³)	11.34
L	mm	6500

Profil za kut 90° Profile for corner 90°		
Art.Br. Art.Nr.	FT-0222	
Težina Weight	kg/m	1.586
Opseg Perimeter	mm	390
Moment inercije Moment of inertia	I _x (cm ⁴)	25.78
	I _y (cm ⁴)	28.54
	W _x (cm ³)	8.31
	W _y (cm ³)	8.31
L	mm	6500

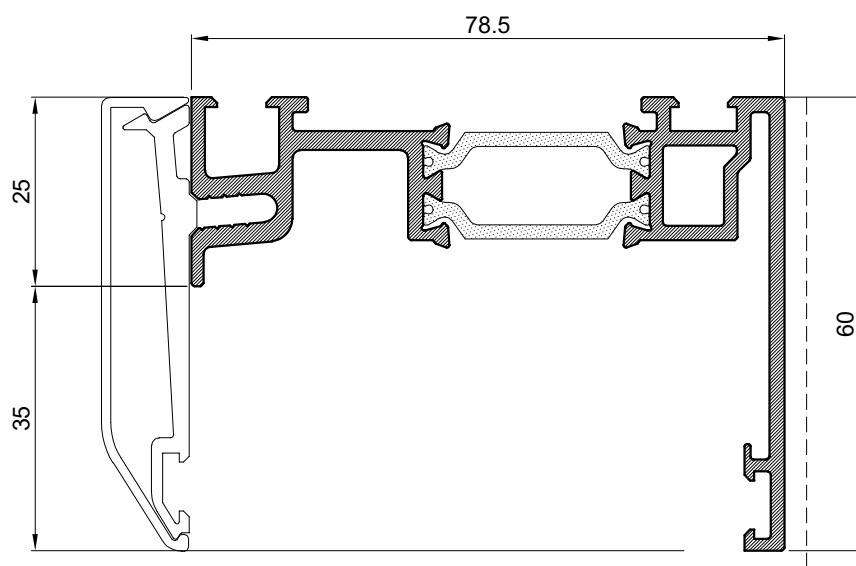


PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

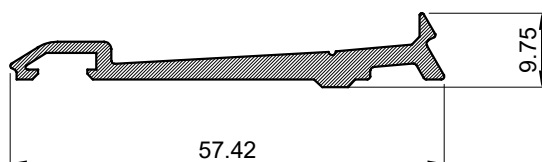


Profil za promjenjivi kut Profile for changeable corner		
Art.Br. Art.Nr.	FT-0217	
Težina Weight	kg/m	1.780
Opseg Perimeter	mm	269
Moment inerције Moment of inertia	Ix (cm4)	16.92
	Iy (cm4)	27.48
	Wx (cm3)	6.4
	Wy (cm3)	7.85
L	mm	6500

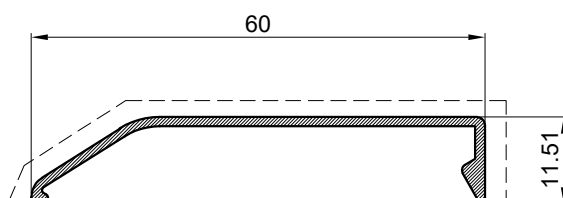
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



Profil za ugradnju Installation profile		
Art.Br. Art.Nr.	FT-0242	
Težina Weight	kg/m	1.498
Opseg Perimeter	mm	444
L	mm	6500

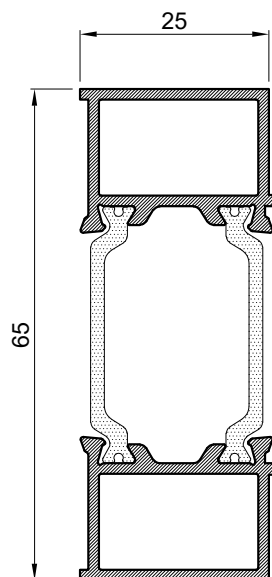


Profil za ugradnju Installation profile		
Art.Br. Art.Nr.	F-1190	
Težina Weight	kg/m	0.461
Opseg Perimeter	mm	145
L	mm	6500

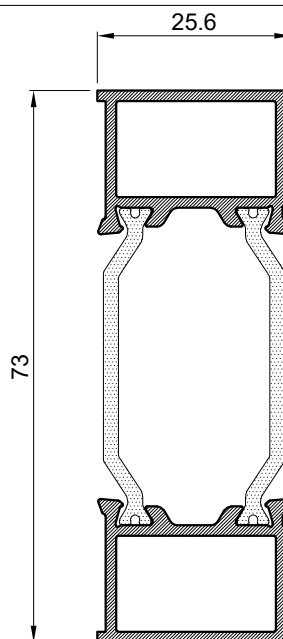


Profil za ugradnju Installation profile		
Art.Br. Art.Nr.	FM-072	
Težina Weight	kg/m	0.258
Opseg Perimeter	mm	152
L	mm	6500

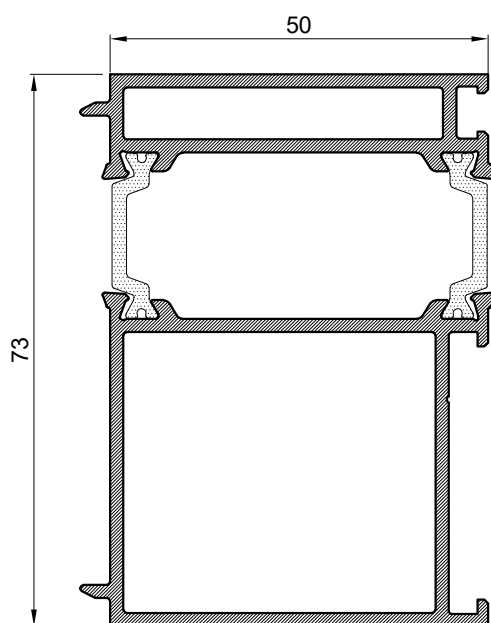
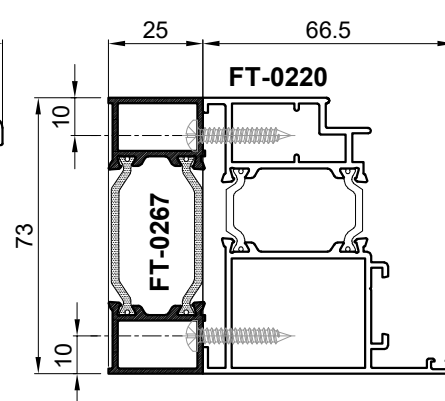
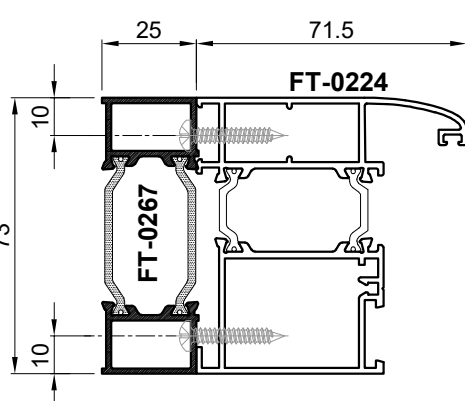
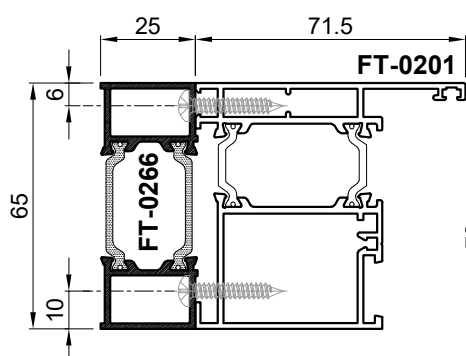
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



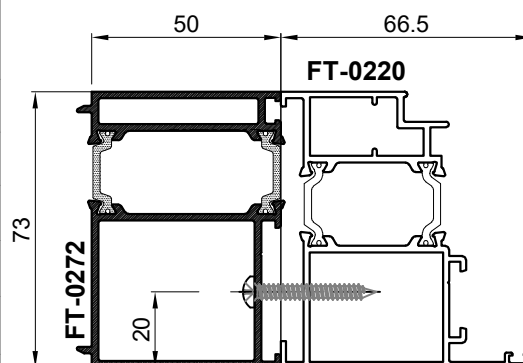
Profil za proširenje rama Frame extension profile		
Art.Br. Art.Nr.	FT-0266	
Težina Weight	kg/m	1.693
Opseg Opseg	mm	196
Moment inerције Moment of inertia	I _x (cm ⁴)	10.08
	I _y (cm ⁴)	2.02
	W _x (cm ³)	4.59
	W _y (cm ³)	1.56
L	mm	6500



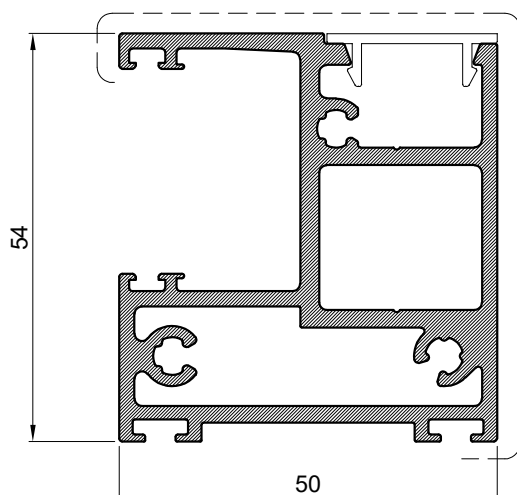
Profil za proširenje rama Frame extension profile		
Art.Br. Art.Nr.	FT-0267	
Težina Weight	kg/m	0.946
Opseg Opseg	mm	212
Moment inerције Moment of inertia	I _x (cm ⁴)	14.46
	I _y (cm ⁴)	2.02
	W _x (cm ³)	5.52
	W _y (cm ³)	1.56
L	mm	6500



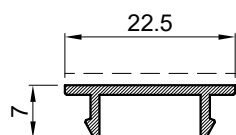
Profil za proširenje rama Frame extension profile		
Art.Br. Art.Nr.	FT-0272	
Težina Weight	kg/m	1.693
Opseg Opseg	mm	289
Moment inerције Moment of inertia	I _x (cm ⁴)	29.92
	I _y (cm ⁴)	18.21
	W _x (cm ³)	9.51
	W _y (cm ³)	6.5
L	mm	6500



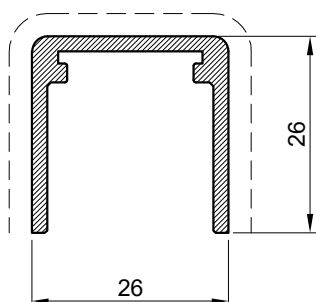
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



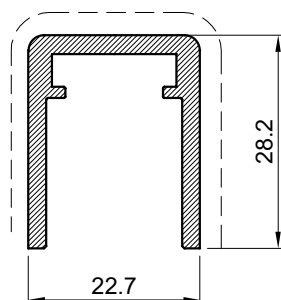
Profil francuskog balkona French balcony profile		
Art.Br. Art.Nr.	F-1569	
Težina Weight	kg/m	1.78
Opseg Perimeter	mm	357
L	mm	6500



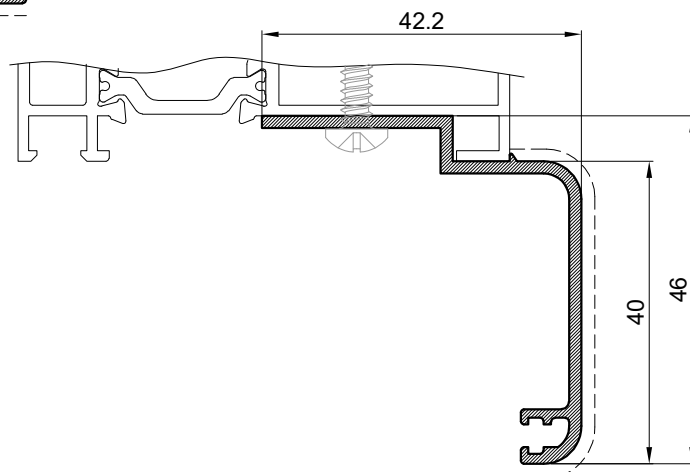
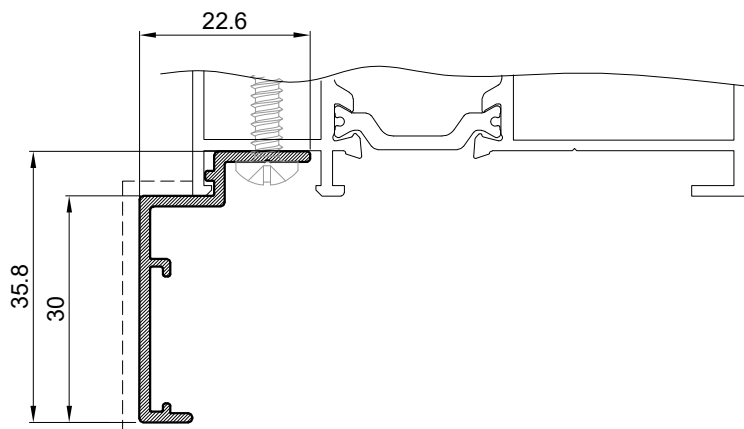
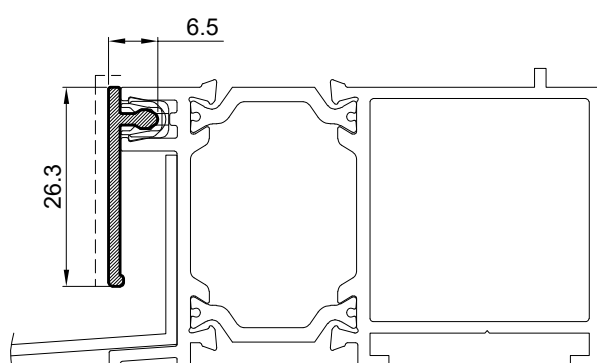
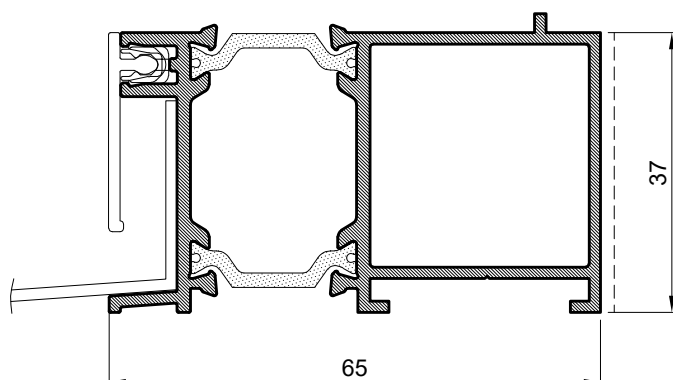
Pokrivni profil Cover profile		
Art.Br. Art.Nr.	F-0826	
Težina Weight	kg/m	0.117
Opseg Perimeter	mm	70
L	mm	6500



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 za ugradnju Installation profile		
Art.Br. Art.Nr.	FT-0289	
Težina Weight	kg/m	1.149
Opseg Perimeter	mm	271
Moment inercije Moment of inertia	Ix (cm4)	6.57
	Iy (cm4)	16.6
	Wx (cm3)	3.28
	Wy (cm3)	4.97
L	mm	6500

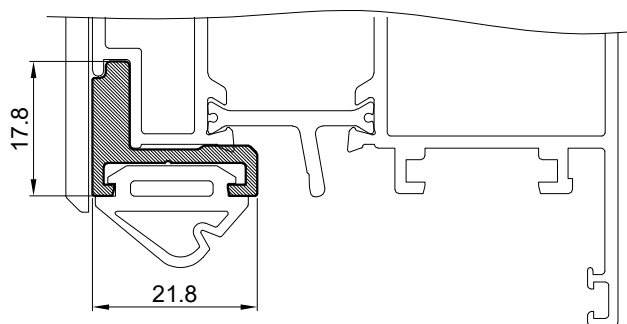
Profil Profile		
Art.Br. Art.Nr.	F-1552	
Težina Weight	kg/m	0.133
Opseg Perimeter	mm	66
L	mm	6500

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

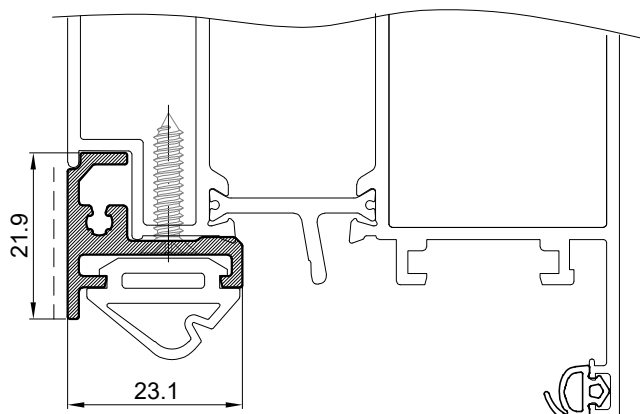
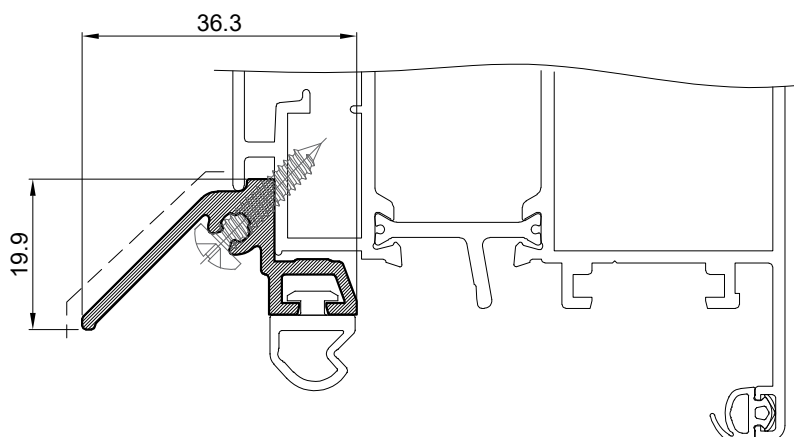
Profil Profile		
Art.Br. Art.Nr.	F-1309	
Težina Weight	kg/m	0.415
Opseg Perimeter	mm	200
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

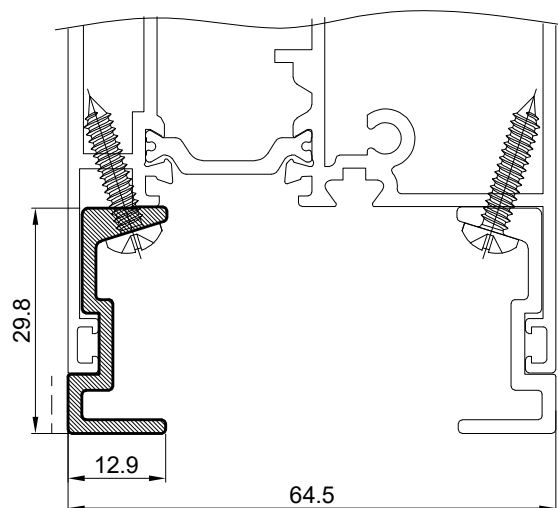
Profile Profile		
Art.Br. Art.Nr.	F-1661	
Težina Weight	kg/m	0.308
Opseg Perimeter	mm	94
L	mm	6500



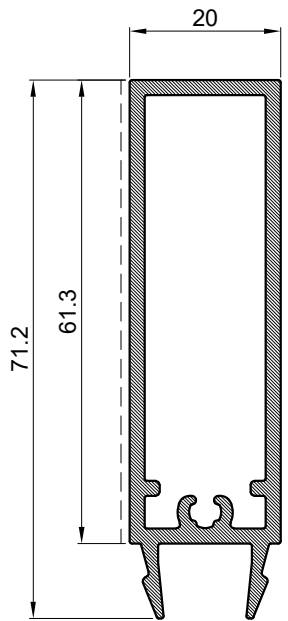
Profile Profile		
Art.Br. Art.Nr.	F-1567	
Težina Weight	kg/m	0.397
Opseg Perimeter	mm	146
L	mm	6500



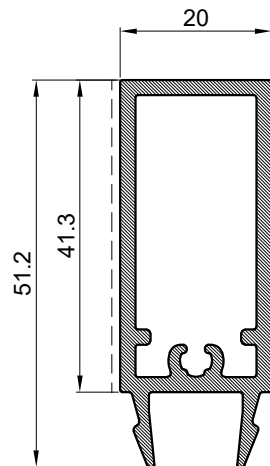
Profile Profile		
Art.Br. Art.Nr.	F-1483	
Težina Weight	kg/m	0.314
Opseg Perimeter	mm	127
L	mm	6500



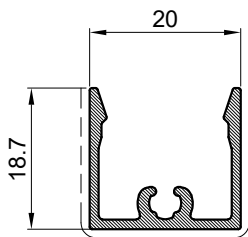
Profile Profile		
Art.Br. Art.Nr.	F-1408	
Težina Weight	kg/m	0.312
Opseg Perimeter	mm	112
L	mm	6500



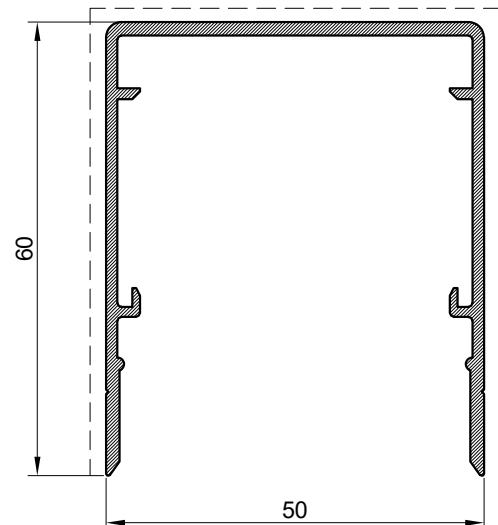
Profil ojačanja prečke Window crossbar reinforcement		
Art.Br. Art.Nr.	NP-4183	
Težina Weight	kg/m	0.990
Opseg Perimeter	mm	200
Moment inerције Moment of inertia	Ix (cm ⁴)	18.21
	Iy (cm ⁴)	2.34
	Wx (cm ³)	5.11
	Wy (cm ³)	2.34
L	mm	6500



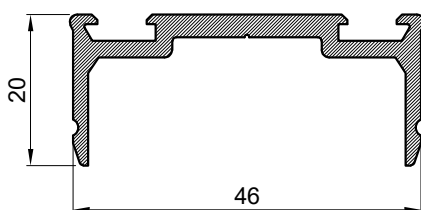
Profil ojačanja prečke Window crossbar reinforcement		
Art.Br. Art.Nr.	F-1634	
Težina Weight	kg/m	0.774
Opseg Perimeter	mm	160
Moment inercije Moment of inertia	Ix (cm ⁴)	7.06
	Iy (cm ⁴)	1.69
	Wx (cm ³)	2.69
	Wy (cm ³)	1.69
L	mm	6500



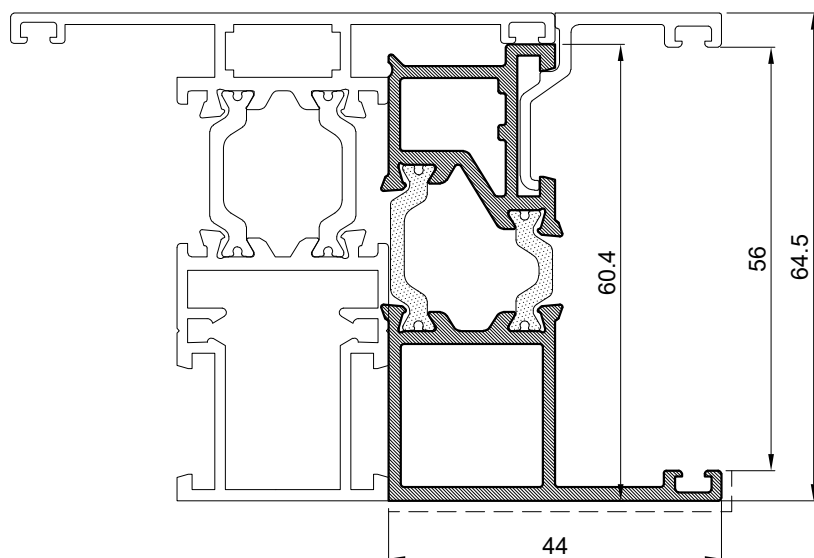
Maska profila ojačanja Reinforcement profile mask		
Art.Br. Art.Nr.	NP-4184	
Težina Weight	kg/m	0.243
Opseg Perimeter	mm	129
L	mm	6500



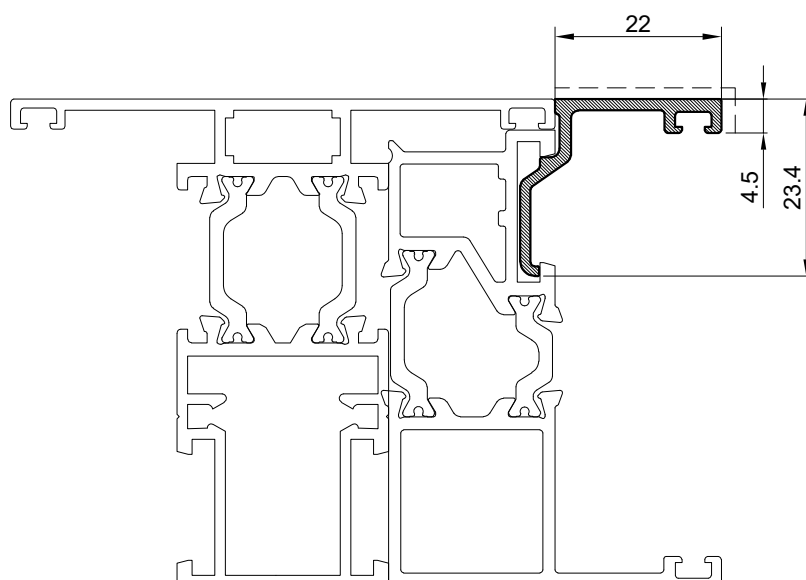
Profil ojačanja Reinforcement profile		
Art.Br. Art.Nr.	FMO 50/20D	
Težina Weight	kg/m	0.558
Opseg Perimeter	mm	185
L	mm	6500



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



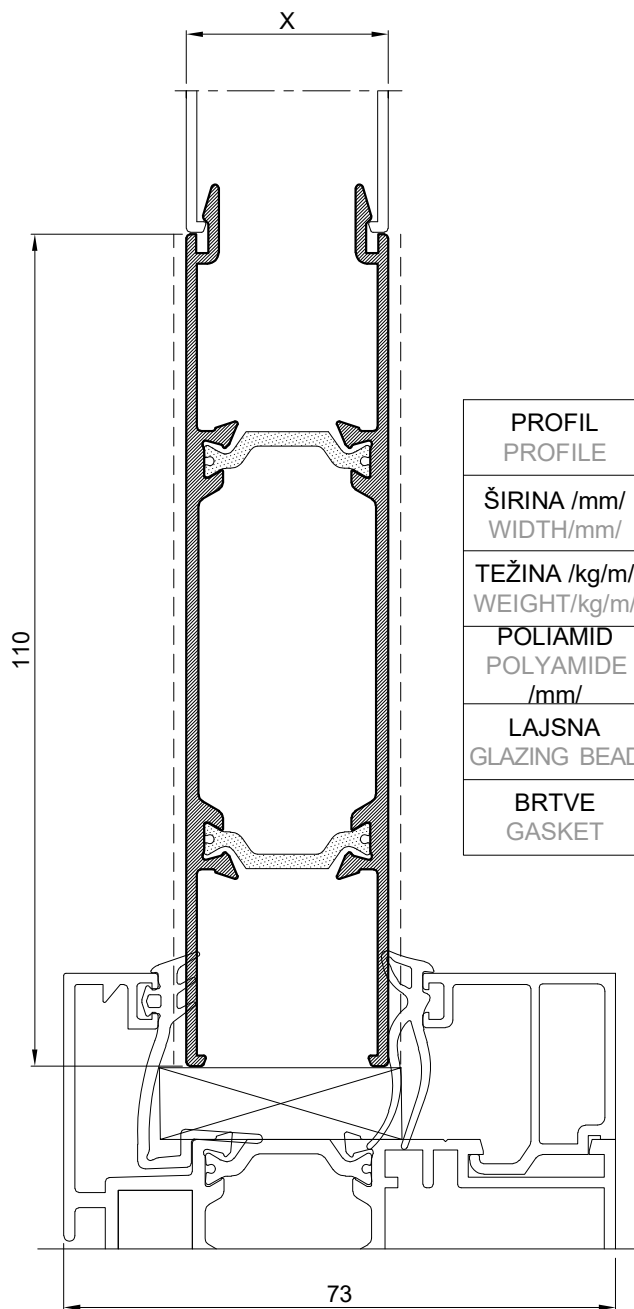
Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0293	
Težina Weight	kg/m	1.183
Opseg Perimeter	mm	270
Moment inercije Moment of inertia	I _x (cm ⁴)	17.97
	I _y (cm ⁴)	4.04
	W _x (cm ³)	6.06
	W _y (cm ³)	1.34
L	mm	6500



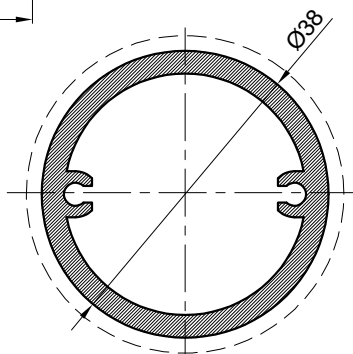
Profil Profile		
Art.Br. Art.Nr.	NP-4822	
Težina Weight	kg/m	0.218
Opseg Perimeter	mm	134
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

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

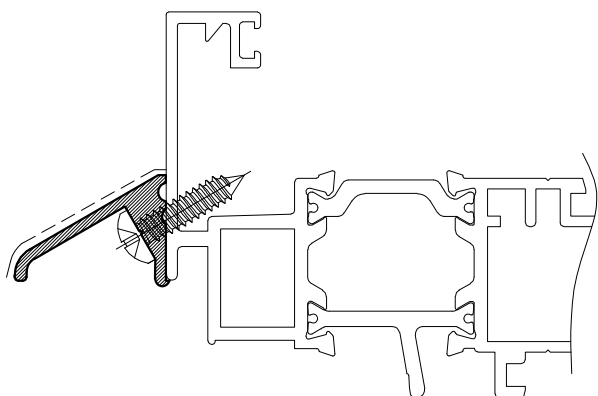


PROFIL PROFILE	FT-0142-39	FT-0142-35	FT-0142-33	FT-0142-27	FT-0142
ŠIRINA /mm/ WIDTH/mm/	38.7	34.7	32.7	26.7	19.5
TEŽINA /kg/m/ WEIGHT/kg/m/	1.437	1.423	1.413	1.372	1.327
POLIAMID POLYAMIDE /mm/	34	30	28	22	14.8
LAJSNA GLAZING BEAD	Z40-664 (10.5 mm)	Z40-665 (15.5 mm)	Z40-666 (20.5 mm)	Z40-667 (25.5 mm)	Z40-668 (30.5 mm)
BRTVE GASKET	321.004 i 311.005	321.004 i 311.004	321.004 i 311.003	321.004 i 311.004	321.004 i 311.004

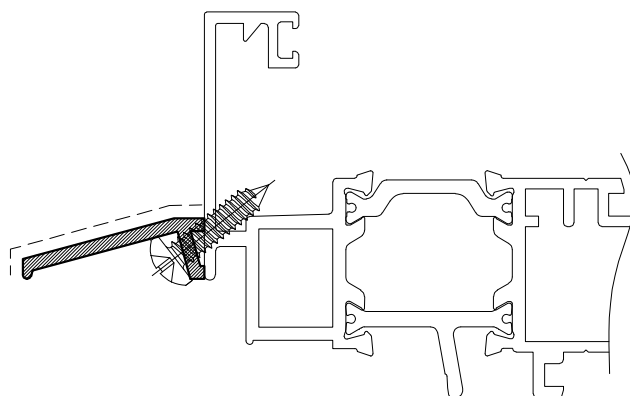


Profil rukohvata vrata Door handle profile		
Art.Br. Art.Nr.	F-0829	
Težina Weight	kg/m	0.953
Opseg Perimeter	mm	119
L	mm	6500

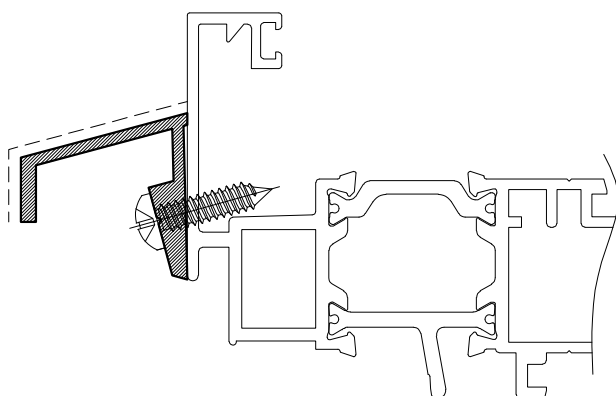
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



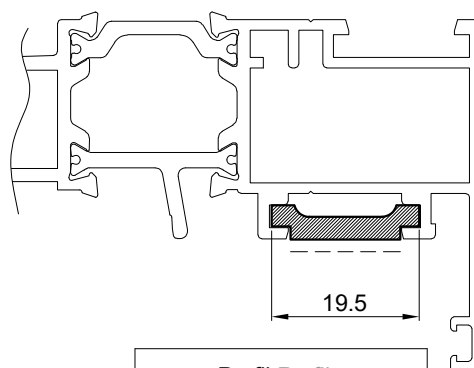
Profil Profile		
Art.Br. Art.Nr.	Z40-657	
Težina Weight	kg/m	0.186
Opseg Perimeter	mm	73
L	mm	6500



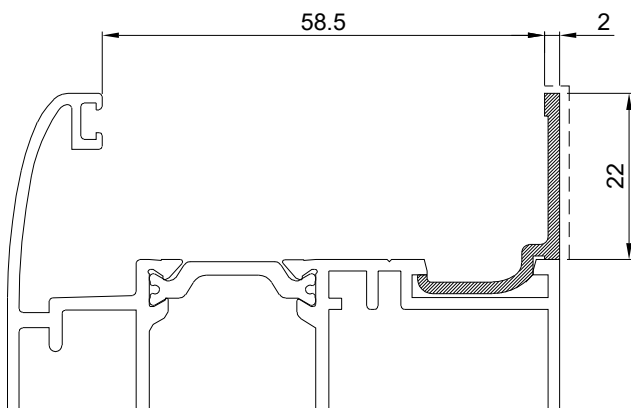
Profil Profile		
Art.Br. Art.Nr.	F-0228	
Težina Weight	kg/m	0.153
Opseg Perimeter	mm	68
L	mm	6500



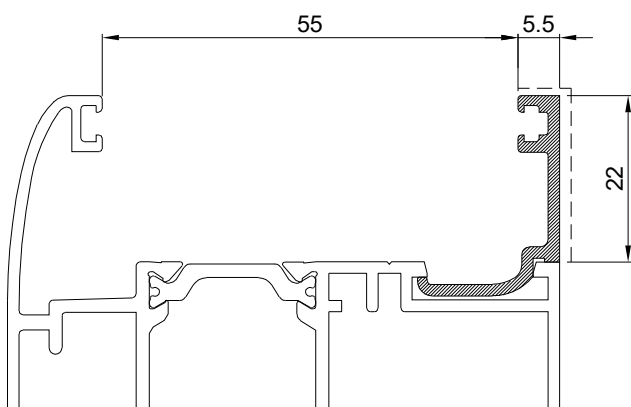
Profil Profile		
Art.Br. Art.Nr.	060350	
Težina Weight	kg/m	0.285
Opseg Perimeter	mm	107
L	mm	6500



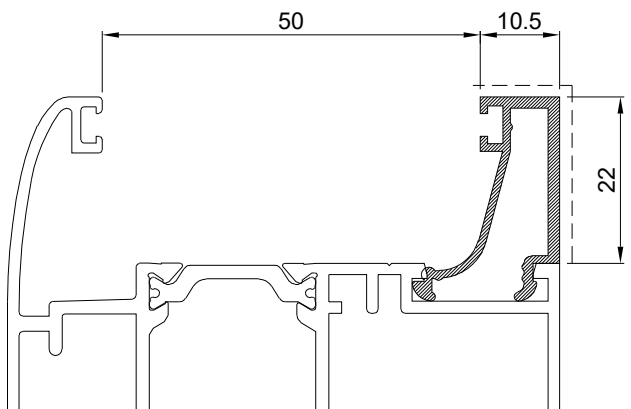
Profil Profile		
Art.Br. Art.Nr.	NC-1459	
Težina Weight	kg/m	0.156
Opseg Perimeter	mm	49
L	mm	6500



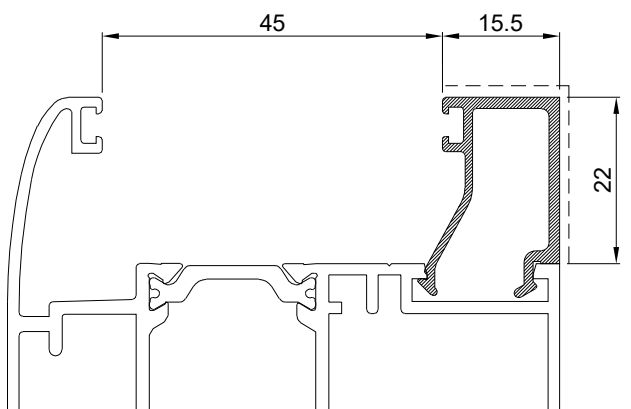
Profil Profile		
Art.Br. Art.Nr.	Z40-660	
Težina Weight	kg/m	0.179
Opseg Perimeter	mm	89
L	mm	6500



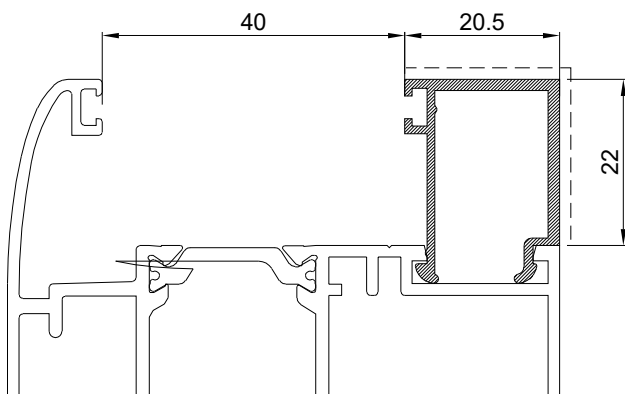
Profil Profile		
Art.Br. Art.Nr.	Z40-656	
Težina Weight	kg/m	0.215
Opseg Perimeter	mm	107
L	mm	6500



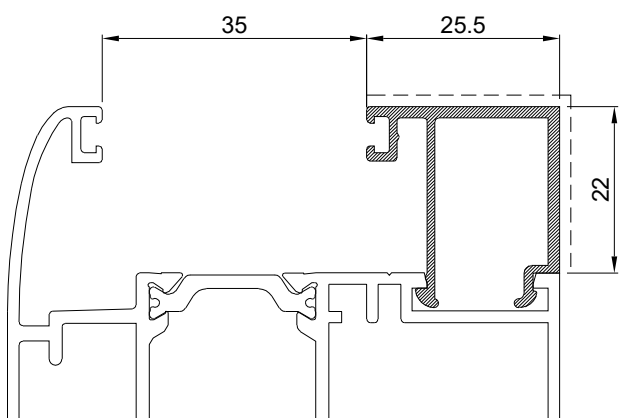
Profil Profile		
Art.Br. Art.Nr.	Z40-636	
Težina Weight	kg/m	0.261
Opseg Perimeter	mm	158
L	mm	6500



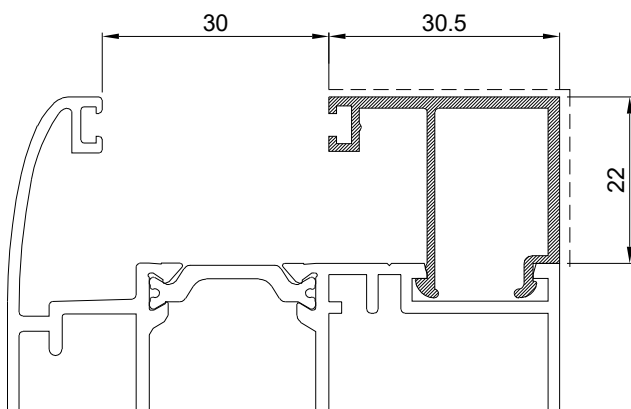
Profil Profile		
Art.Br. Art.Nr.	M45-709	
Težina Weight	kg/m	0.258
Opseg Perimeter	mm	153
L	mm	6500



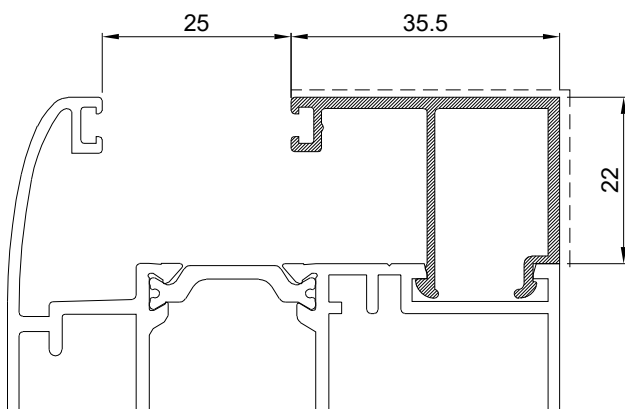
Profil Profile		
Art.Br. Art.Nr.	Z40-644	
Težina Weight	kg/m	0.275
Opseg Perimeter	mm	166
L	mm	6500



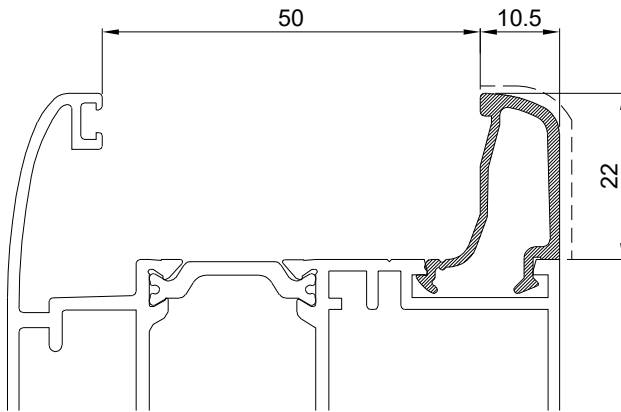
Profil Profile		
Art.Br. Art.Nr.	Z40-658	
Težina Weight	kg/m	0.318
Opseg Perimeter	mm	184
L	mm	6500



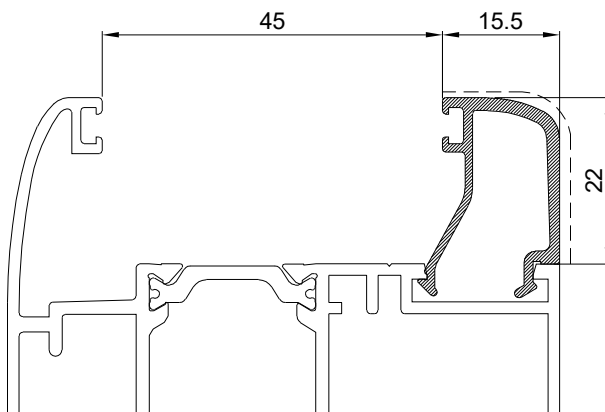
Profil Profile		
Art.Br. Art.Nr.	Z40-653	
Težina Weight	kg/m	0.347
Opseg Perimeter	mm	196
L	mm	6500



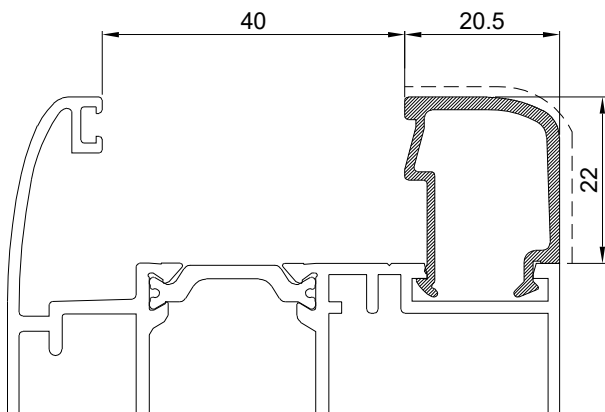
Profil Profile		
Art.Br. Art.Nr.	Z40-659	
Težina Weight	kg/m	0.359
Opseg Perimeter	mm	204
L	mm	6500



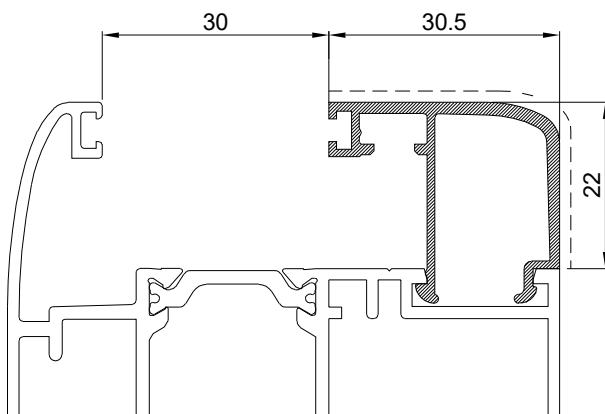
Profil Profile		
Art.Br. Art.Nr.	Z40-647	
Težina Weight	kg/m	0.226
Opseg Perimeter	mm	138
L	mm	6500



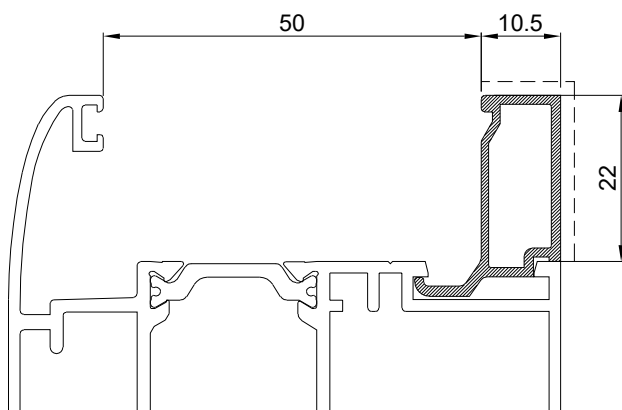
Profil Profile		
Art.Br. Art.Nr.	M45-740	
Težina Weight	kg/m	0.258
Opseg Perimeter	mm	148
L	mm	6500



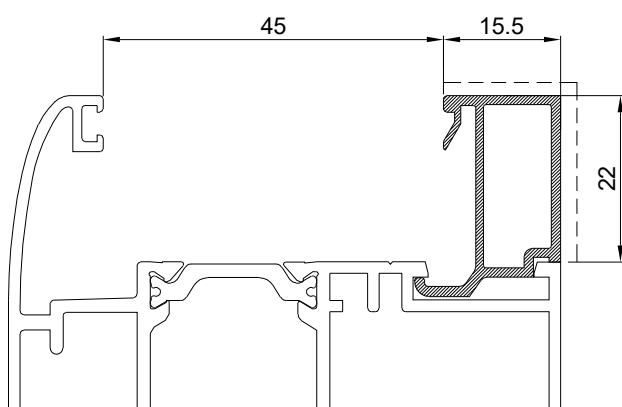
Profil Profile		
Art.Br. Art.Nr.	Z40-646	
Težina Weight	kg/m	0.286
Opseg Perimeter	mm	154
L	mm	6500



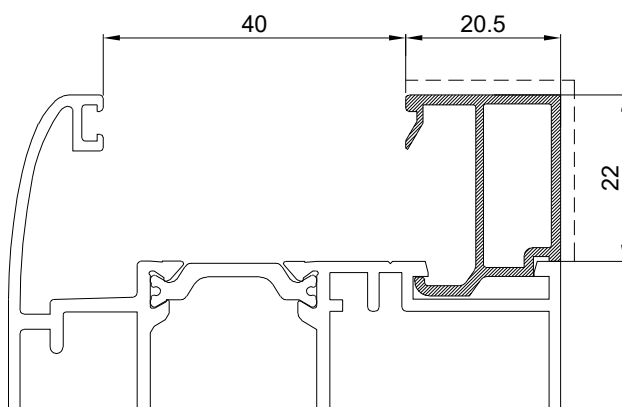
Profil Profile		
Art.Br. Art.Nr.	Z40-653/B	
Težina Weight	kg/m	0.356
Opseg Perimeter	mm	197
L	mm	6500



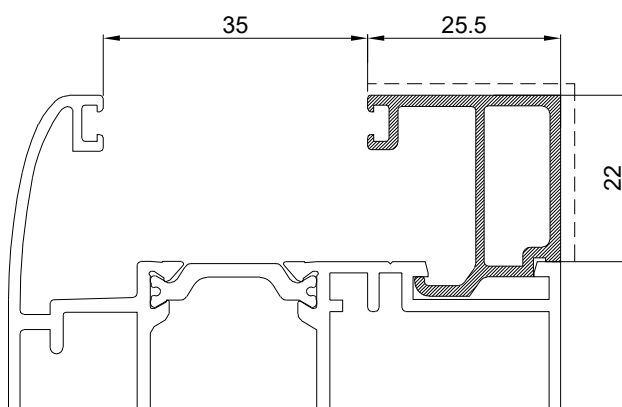
Profil Profile		
Art.Br. Art.Nr.	Z40-664	
Težina Weight	kg/m	0.243
Opseg Perimeter	mm	93
L	mm	6500



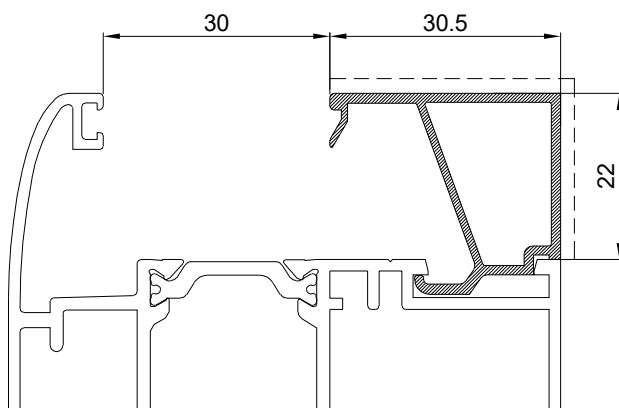
Profil Profile		
Art.Br. Art.Nr.	Z40-665	
Težina Weight	kg/m	0.272
Opseg Perimeter	mm	112
L	mm	6500



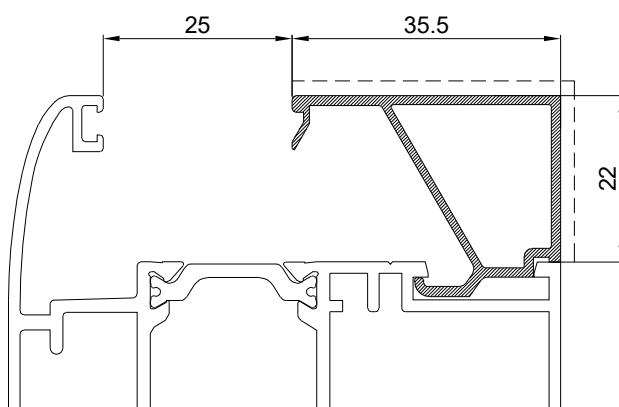
Profil Profile		
Art.Br. Art.Nr.	Z40-666	
Težina Weight	kg/m	0.289
Opseg Perimeter	mm	122
L	mm	6500



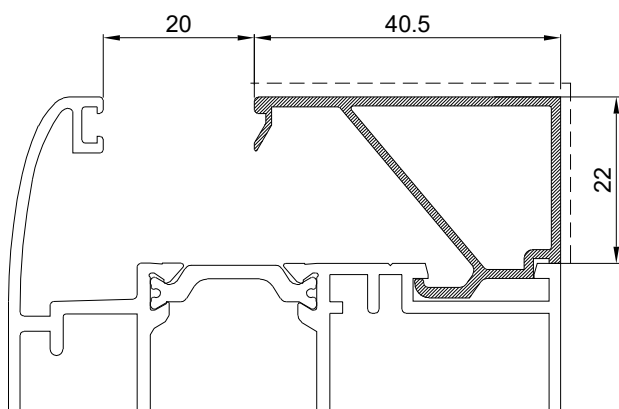
Profil Profile		
Art.Br. Art.Nr.	Z40-667	
Težina Weight	kg/m	0.358
Opseg Perimeter	mm	139
L	mm	6500



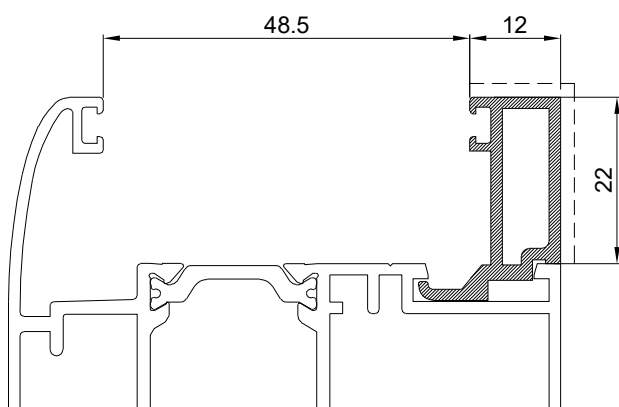
Profil Profile		
Art.Br. Art.Nr.	Z40-668	
Težina Weight	kg/m	0.326
Opseg Perimeter	mm	135
L	mm	6500



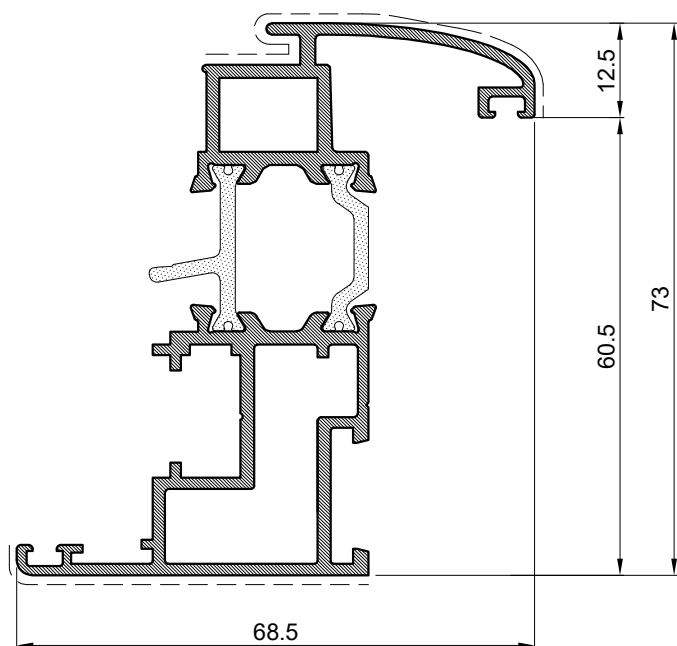
Profil Profile		
Art.Br. Art.Nr.	Z40-669	
Težina Weight	kg/m	0.347
Opseg Perimeter	mm	143
L	mm	6500



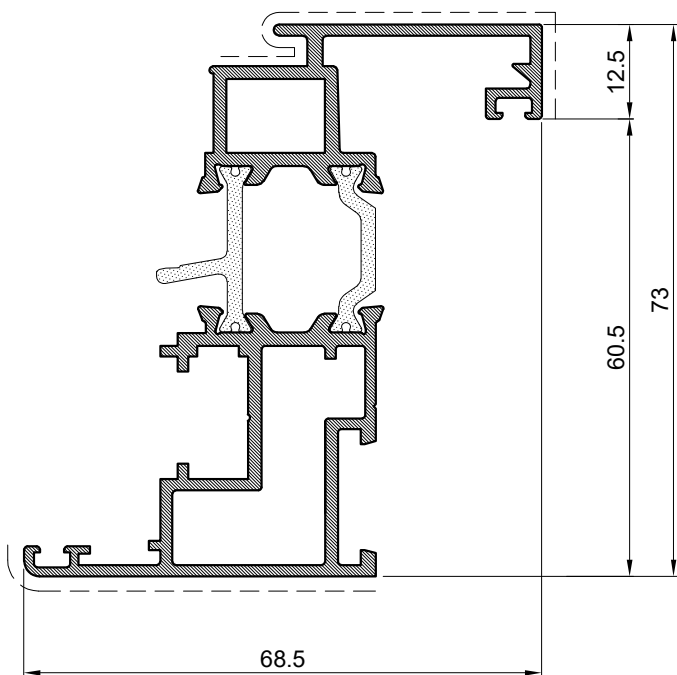
Profil Profile		
Art.Br. Art.Nr.	Z40-670	
Težina Weight	kg/m	0.373
Opseg Perimeter	mm	150
L	mm	6500



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

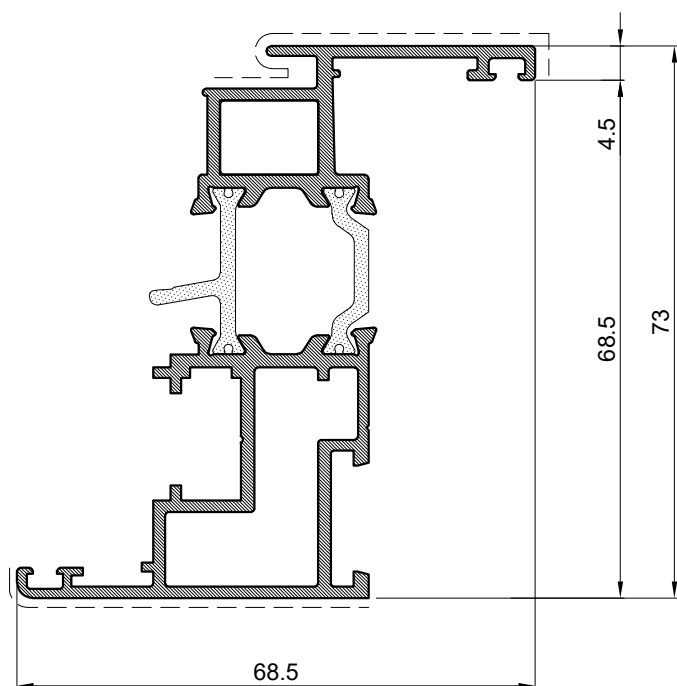


Profil krila prozora Profile window sash		
Art.Br. Art.Nr.	FT-0236	
Težina Weight	kg/m	1.517
Opseg Perimeter	mm	420
Moment inerције Moment of inertia	I _x (cm ⁴)	24.16
	I _y (cm ⁴)	9.06
	W _x (cm ³)	8.57
	W _y (cm ³)	2.59
L	mm	6500



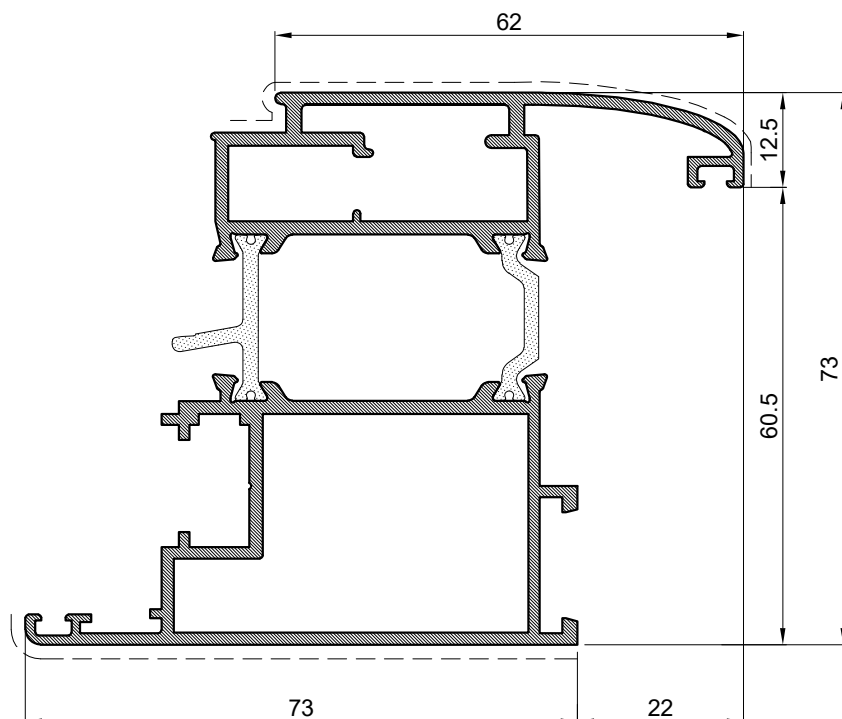
Profil krila prozora Profile window sash		
Art.Br. Art.Nr.	FT-0239	
Težina Weight	kg/m	1.543
Opseg Perimeter	mm	415
Moment inercije Moment of inertia	I _x (cm ⁴)	25.27
	I _y (cm ⁴)	10.24
	W _x (cm ³)	9.17
	W _y (cm ³)	2.87
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

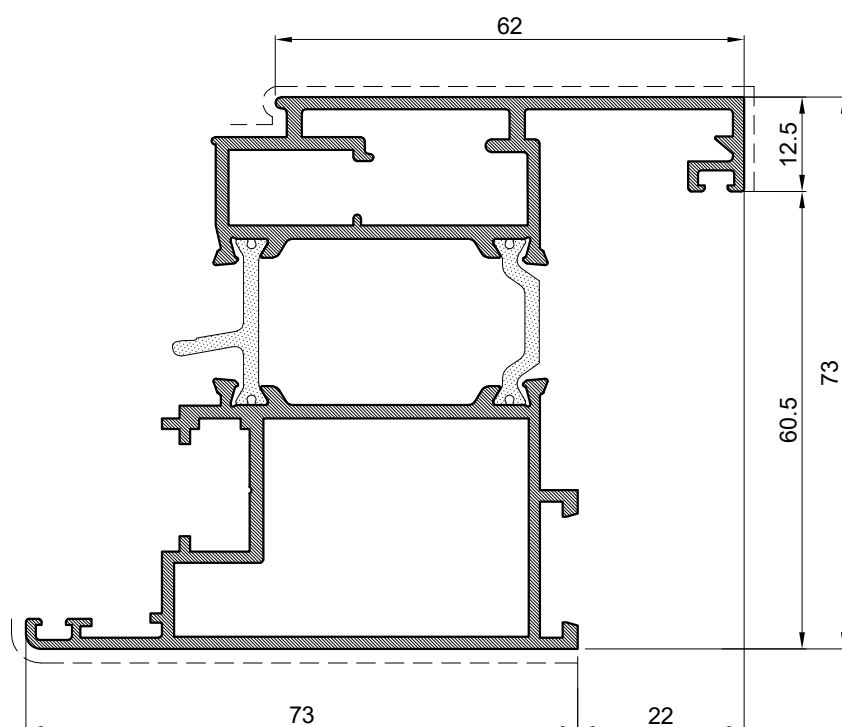


Profil krila prozora Profile window sash		
Art.Br. Art.Nr.	FT-0296	
Težina Weight	kg/m	1.496
Opseg Perimeter	mm	429
Moment inercije Moment of inertia	I _x (cm ⁴)	23.8
	I _y (cm ⁴)	8.23
	W _x (cm ³)	8.55
	W _y (cm ³)	2.38
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
 PROFILE WITH XPS HAVE ENDING „F”

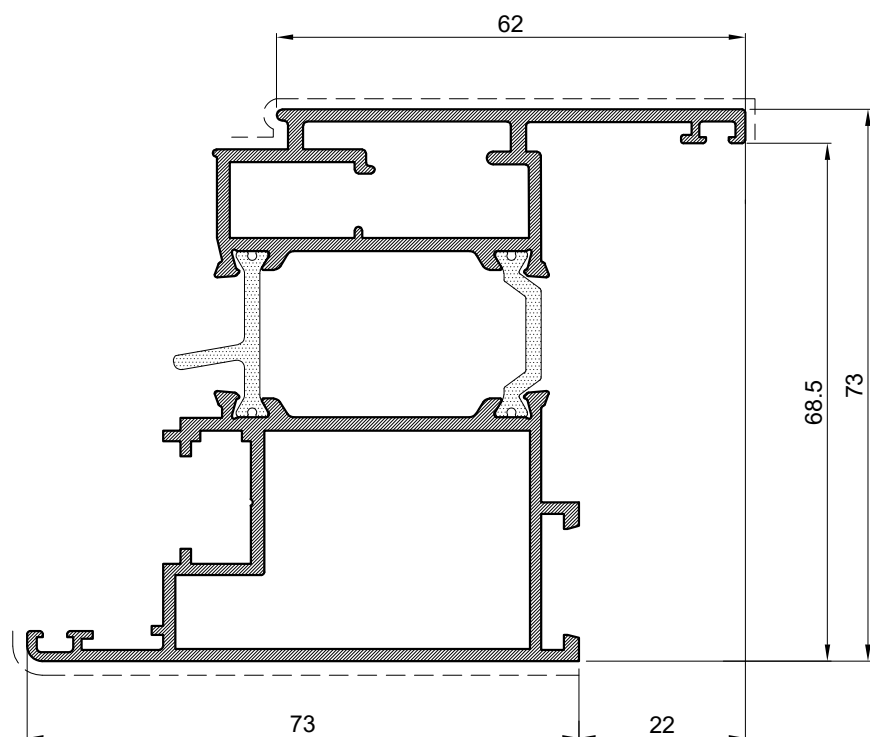


Profil krila prozora Profile window sash		
Art.Br. Art.Nr.	FT-0244	
Težina Weight	kg/m	2.016
Opseg Perimeter	mm	471
Moment inercije Moment of inertia	I _x (cm ⁴)	35.39
	I _y (cm ⁴)	31.4
	W _x (cm ³)	12.39
	W _y (cm ³)	6.56
L	mm	6500



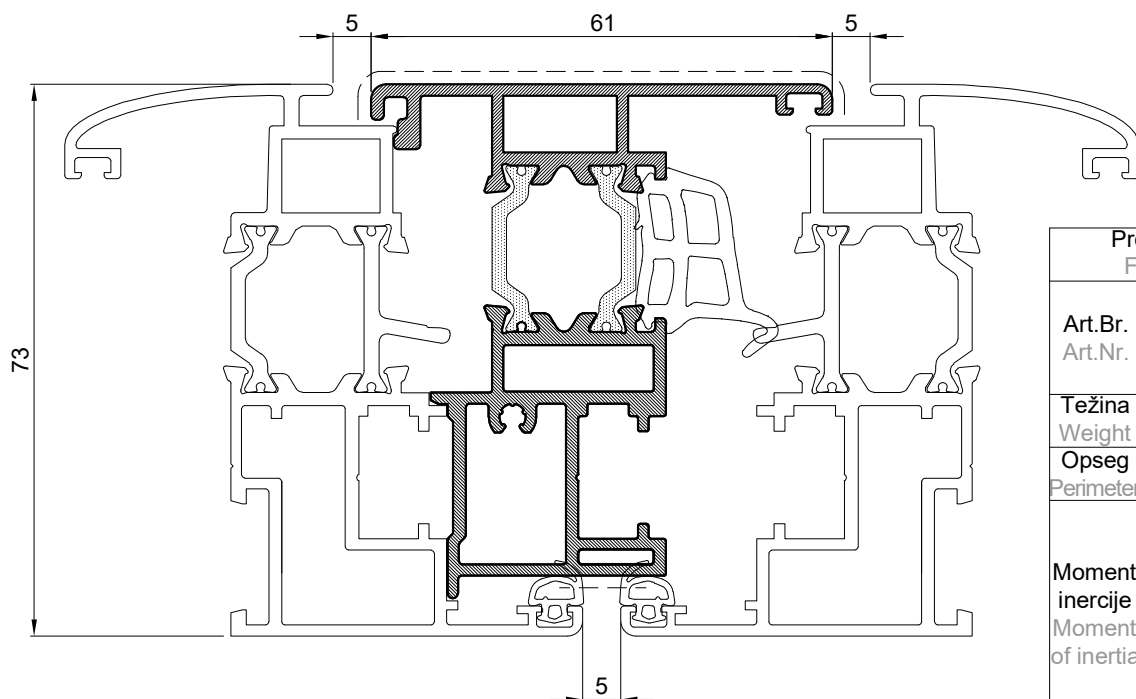
Profil krila prozora Profile window sash		
Art.Br. Art.Nr.	FT-0246	
Težina Weight	kg/m	2.046
Opseg Perimeter	mm	476
Moment inercije Moment of inertia	I _x (cm ⁴)	36.46
	I _y (cm ⁴)	33.81
	W _x (cm ³)	12.59
	W _y (cm ³)	7.06
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



Profil krila prozora Profile window sash		
Art.Br. Art.Nr.	FT-1610	
Težina Weight	kg/m	2.005
Opseg Perimeter	mm	446
Moment inercije Moment of inertia	Ix (cm ⁴)	35.7
	Iy (cm ⁴)	29.46
	Wx (cm ³)	12.52
	Wy (cm ³)	6.08
L	mm	6500

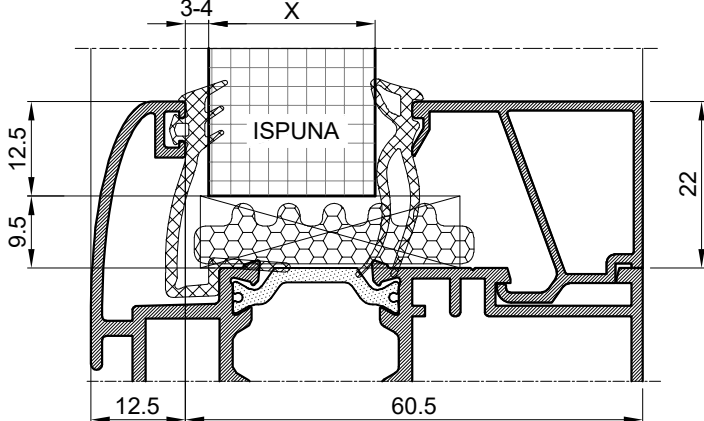
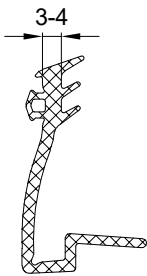
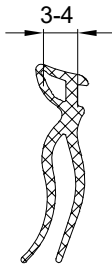
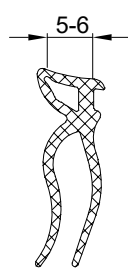
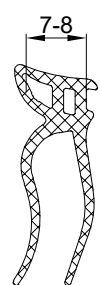
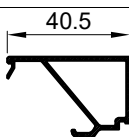
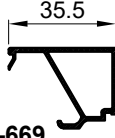
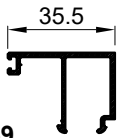
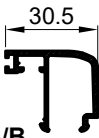
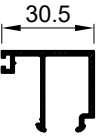
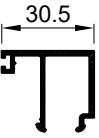
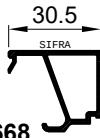
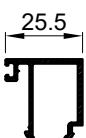
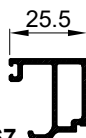
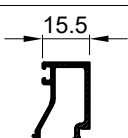
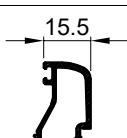
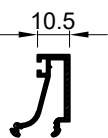
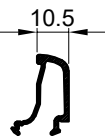
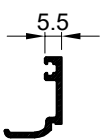
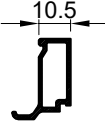
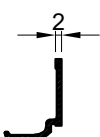
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
 PROFILE WITH XPS HAVE ENDING „F”

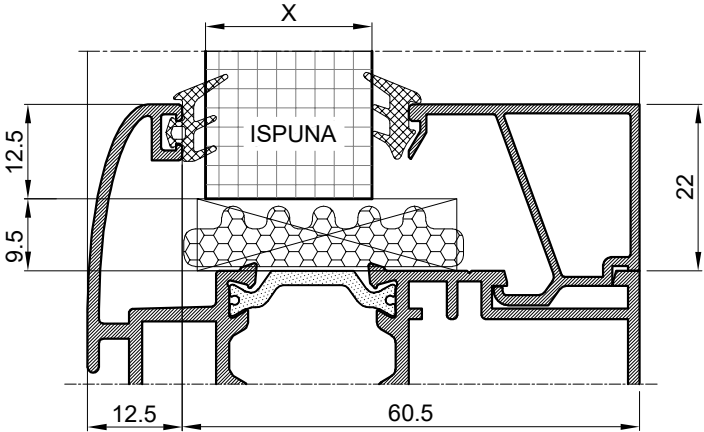
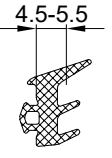
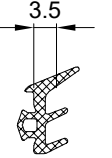
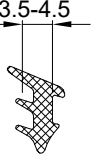
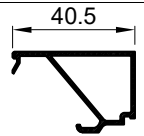
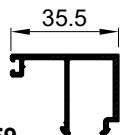
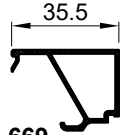
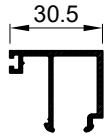
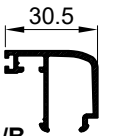
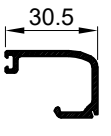
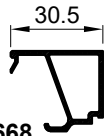
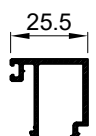
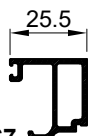
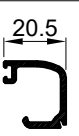
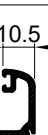


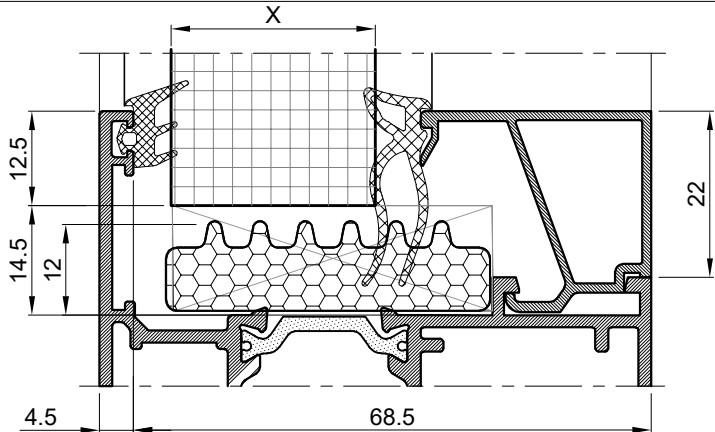
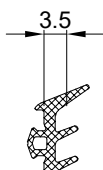
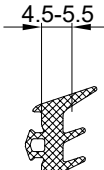
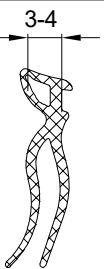
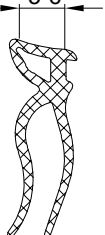
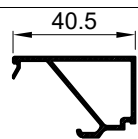
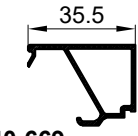
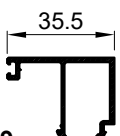
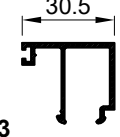
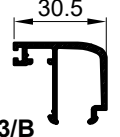
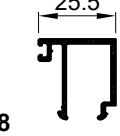
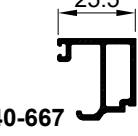
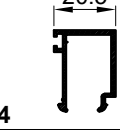
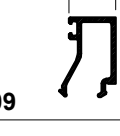
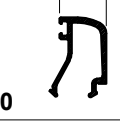
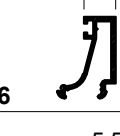
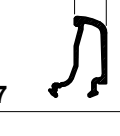
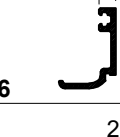
Profil kombatute Flying mullion		
Art.Br. Art.Nr.	FT-0237	
Težina Weight	kg/m	1.506
Opseg Perimeter	mm	350
Moment inercije Moment of inertia	I _x (cm ⁴)	19.69
	I _y (cm ⁴)	7.33
	W _x (cm ³)	6.91
	W _y (cm ³)	2.07
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

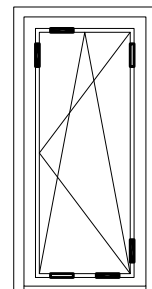
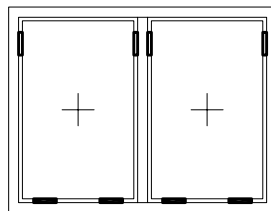
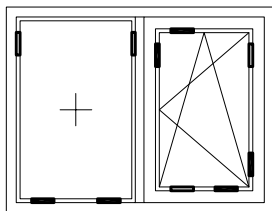
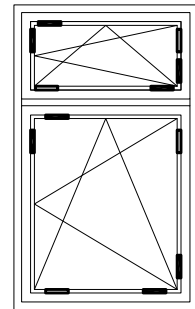
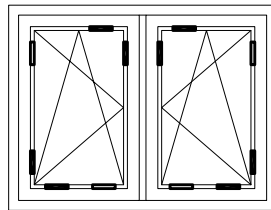
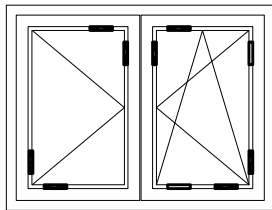
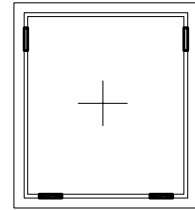
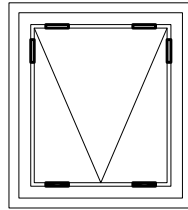
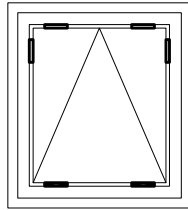
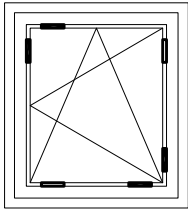
Prikaz stakljenja Glazing

Vanjska brtva Outside gasket		Unutarnje brtve Inside gasket		
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	
9	321.004	311.005		
10-11	321.004	311.004		
12-13	321.004	311.003		
14	321.004	311.005		
15-16	321.004	311.004		
17-18	321.004	311.003		
19	321.004	311.005		
20-21	321.004	311.004		
22-23	321.004	311.003		
24	321.004	311.005		
25-26	321.004	311.004		
27-28	321.004	311.003		
29	321.004	311.005		
30-31	321.004	311.004		
32-33	321.004	311.003		
34	321.004	311.005		
35-36	321.004	311.004		
37-38	321.004	311.003		
39	321.004	311.005		
40-41	321.004	311.004		
42-43	321.004	311.003		
44	321.004	311.005		
45-46	321.004	311.004		
47-48	321.004	311.003		
49-50	321.004	311.004		
51	321.004	311.003		

Vanjska brtva Outside gasket Unutarnja brtva Inside gasket						
321.003 (Z113)	321.002 (Z111)	311.002 (918)				
						
Ispuna X Fillings X	Vanjska brtva Outside gas.	Unutar. brtva Inside gasket	LAJSNE ZA STAKLO BEAD FOR GLASS			
10-11	321.003	311.002				
12	321.002	311.002				Z40-670
15-16	321.003	311.002				
17	321.002	311.002	Z40-659			Z40-669
20-21	321.003	311.002				
22	321.002	311.002	Z40-653	Z40-653/B	Z40-661	Z40-668
25-26	321.003	311.002				
27	321.002	311.002	Z40-658			Z40-667
30-31	321.003	311.002				
32	321.002	311.002	Z40-644	Z40-646	Z40-648	Z40-666
35-36	321.003	311.002				
37	321.002	311.002	M45-709	M45-740	Z40-662	Z40-665
40-41	321.003	311.002				
42	321.002	311.002	Z40-636	Z40-647	Z40-649	Z40-664
45-46	321.003	311.002				
47	321.002	311.002	Z40-656			
49-50	321.003	311.002				
51	321.002	311.002	Z40-660			

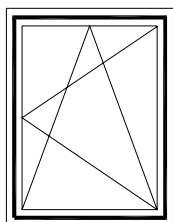
Vanjske brtve Outside gaskets		Unutarnje brtve Inside gaskets			
321.002 (Z111)	311.003 (Z113)	311.003	311.004		
					
Ispuna X Fillings X	Vanjska brtva Outside gas.	Unutar. brtva Inside gasket	LAJSNE ZA STAKLO BEAD FOR GLASS		
17-18	321.003	311.004			
19-20	321.002	311.004			
21	321.002	311.003			
22-23	321.003	311.004			
24-25	321.002	311.004			
26	321.002	311.003			
27-28	321.003	311.004			
29-30	321.002	311.004			
31	321.002	311.003			
32-33	321.003	311.004			
34-35	321.002	311.004			
36	321.002	311.003			
37-38	321.003	311.004			
39-40	321.002	311.004			
41	321.002	311.003			
42-43	321.003	311.004			
44-45	321.002	311.004			
46	321.002	311.003			
47-48	321.003	311.004			
49-50	321.002	311.004			
51	321.002	311.003			
52-53	321.003	311.004			
54-55	321.002	311.004			
56	321.002	311.003			
57-58	321.003	311.004			
59	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

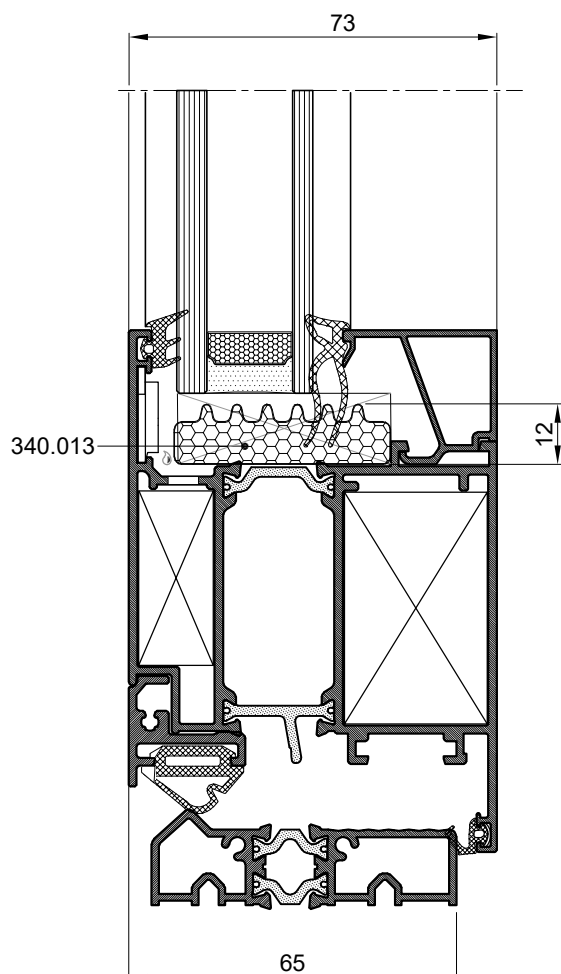
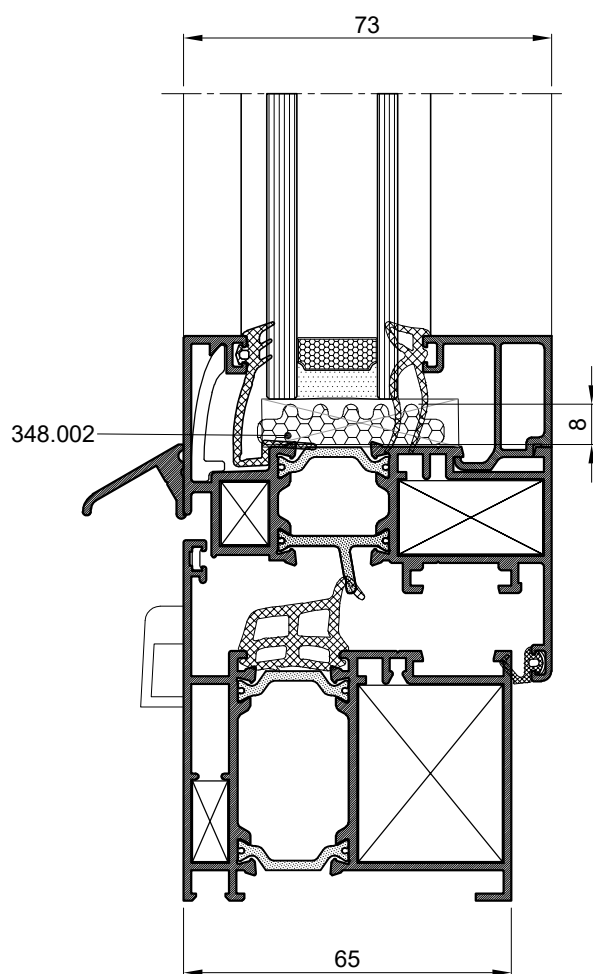


ISPUNA OKO STAKLA

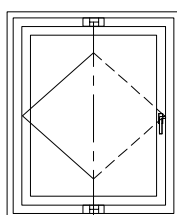
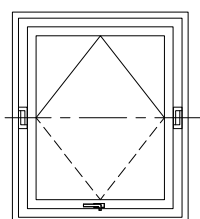
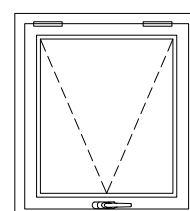
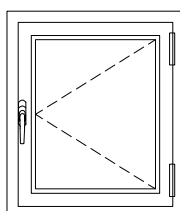
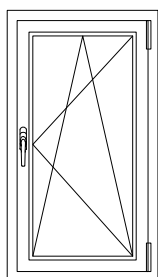
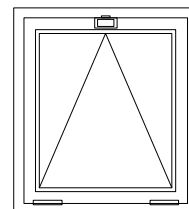
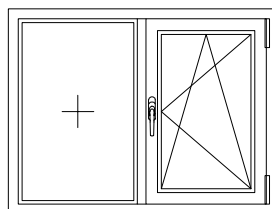
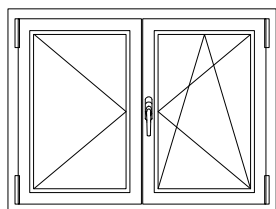
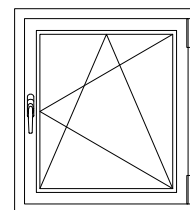
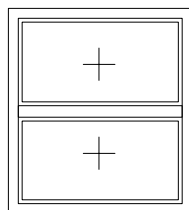
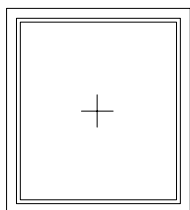
-Radi povećanja toplinskih svojstava, u prostor oko stakla se umeću profilirane trake, debljine 8 mm i 12 mm, od termoizolacionog materijala XPE - $\lambda=0.038 \text{ W/m}^2\text{K}$

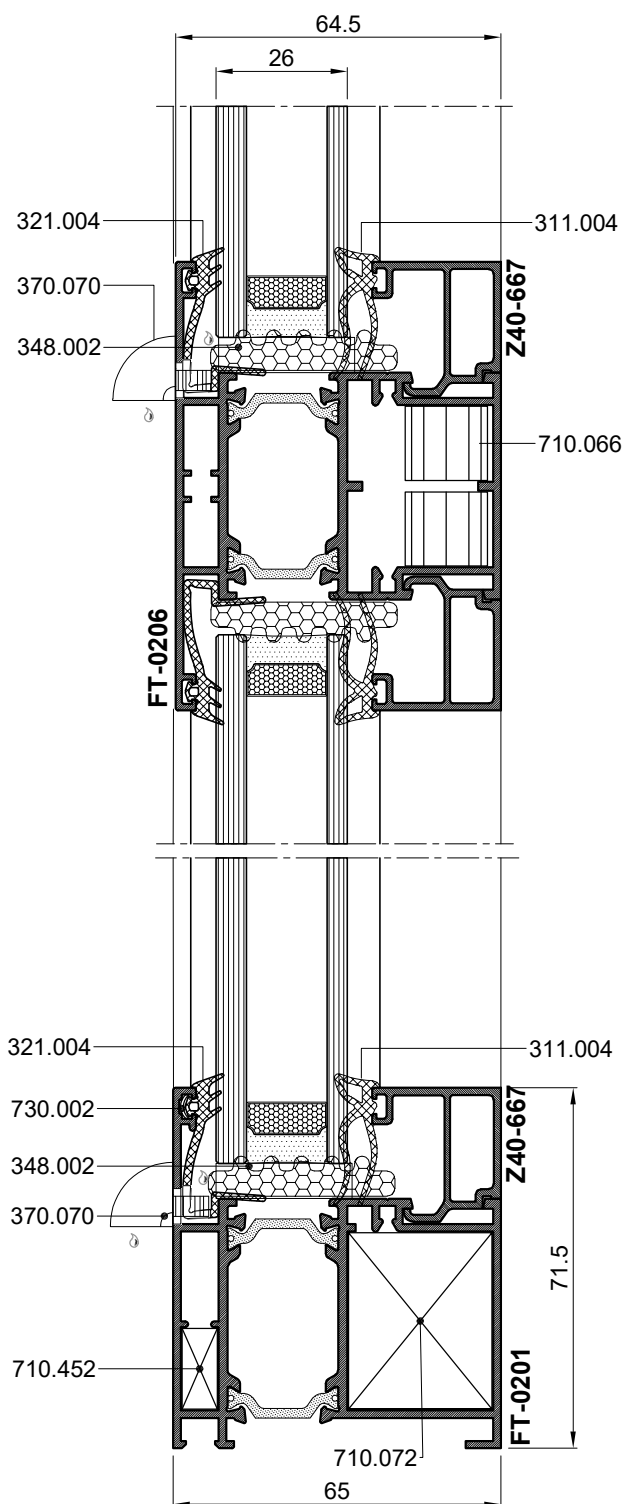
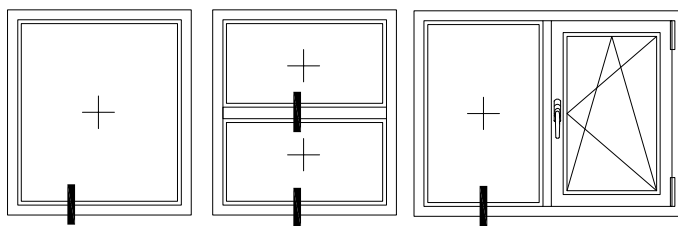
FILLS AROUND GLASS

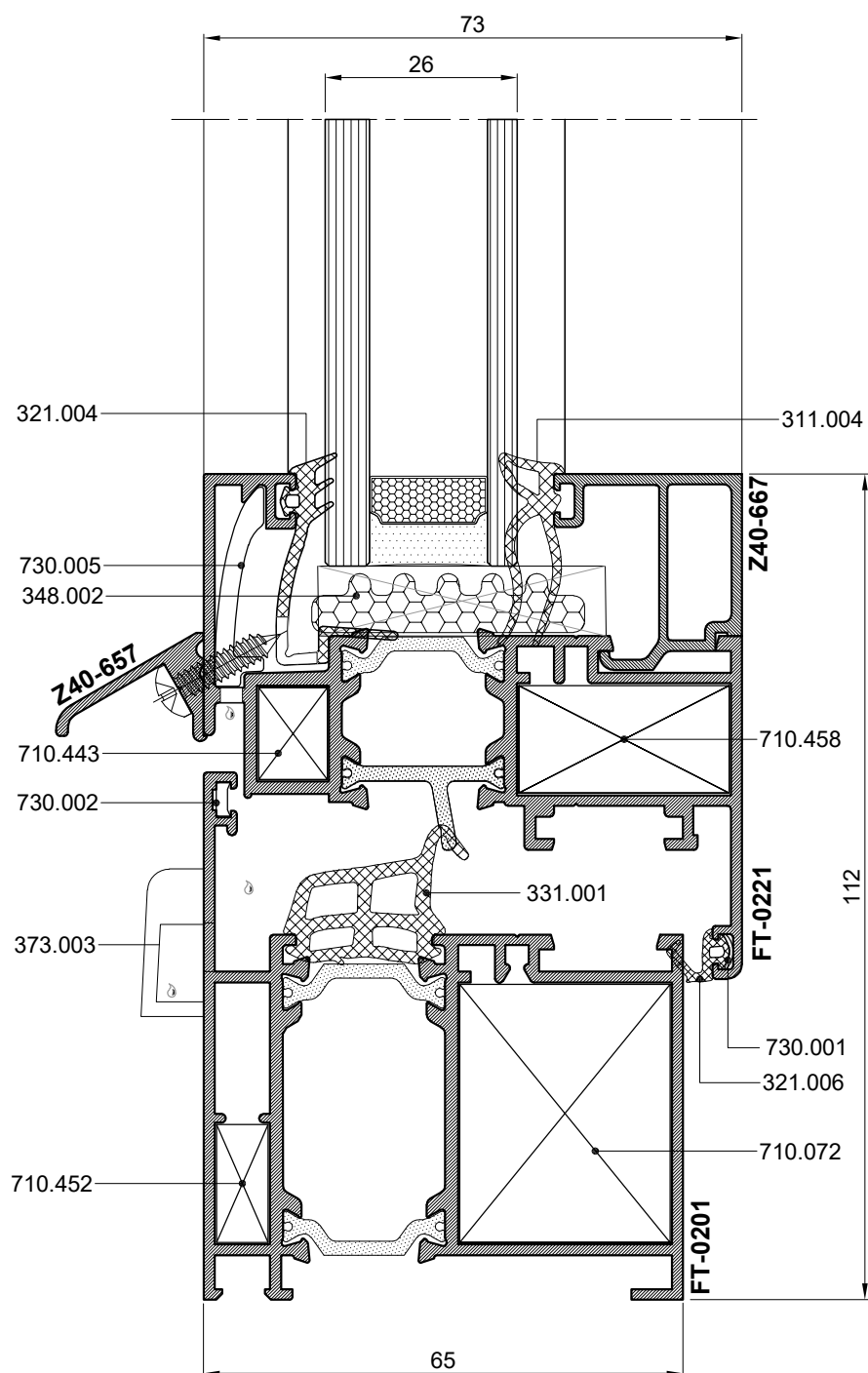
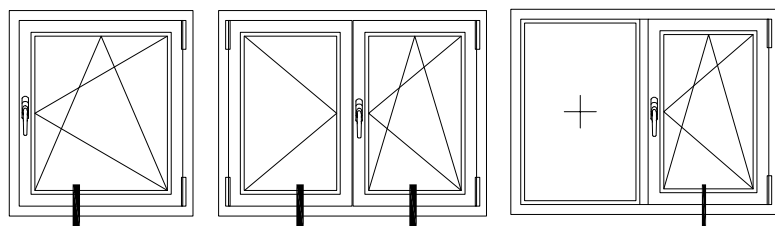
-To increase thermal properties, profiled strips are inserted into the area around the glass, thickness 8 mm and 12 mm, made of thermal insulation material XPE - $\lambda = 0.038 \text{ W / m}^2\text{K}$

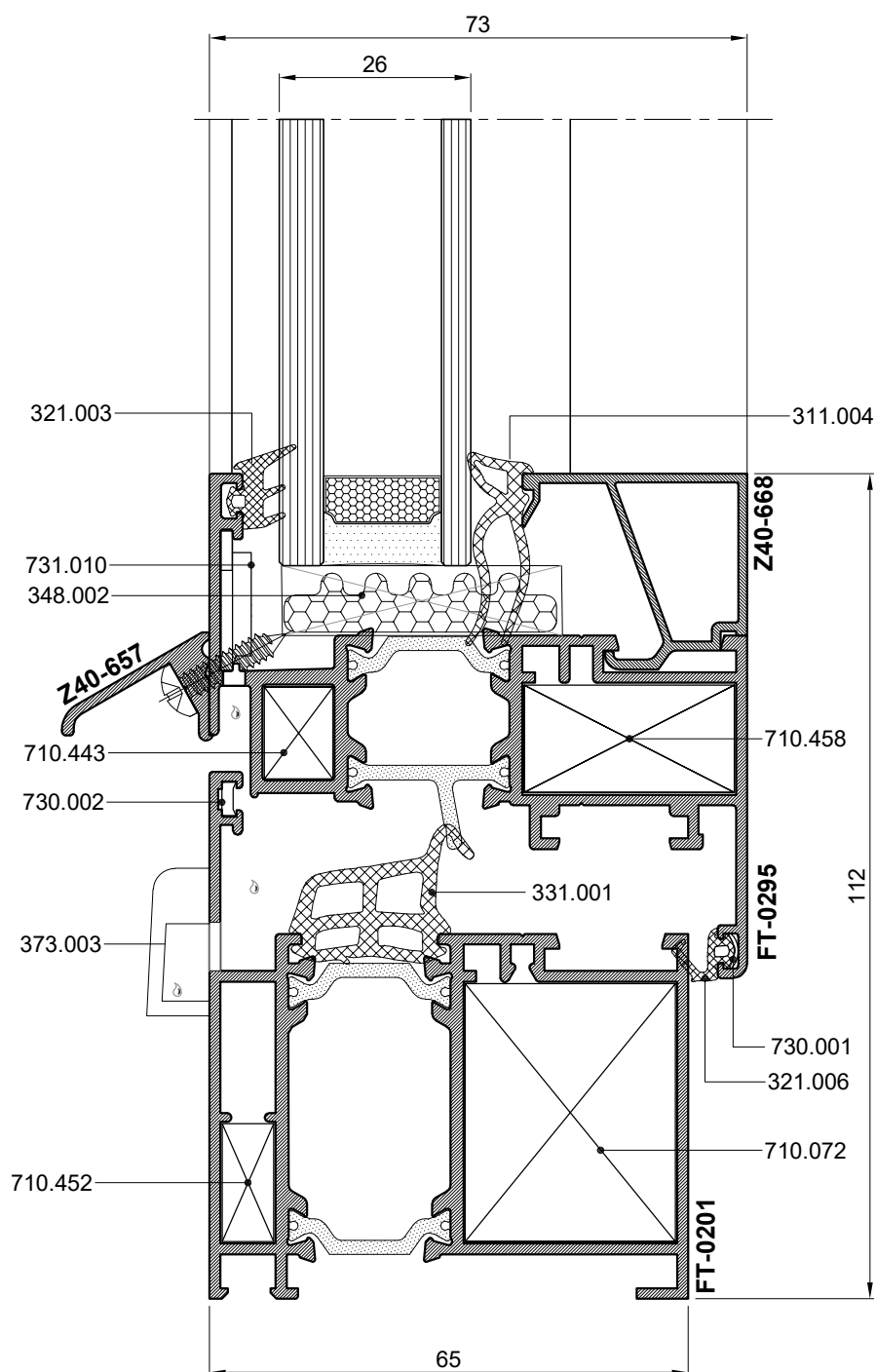
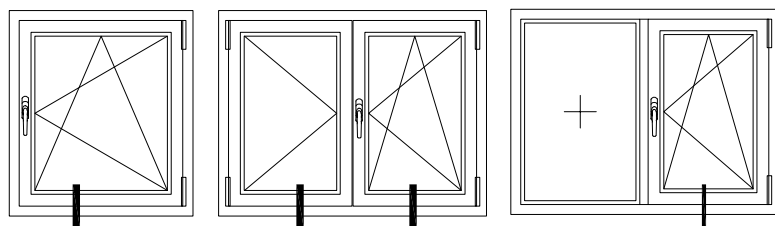


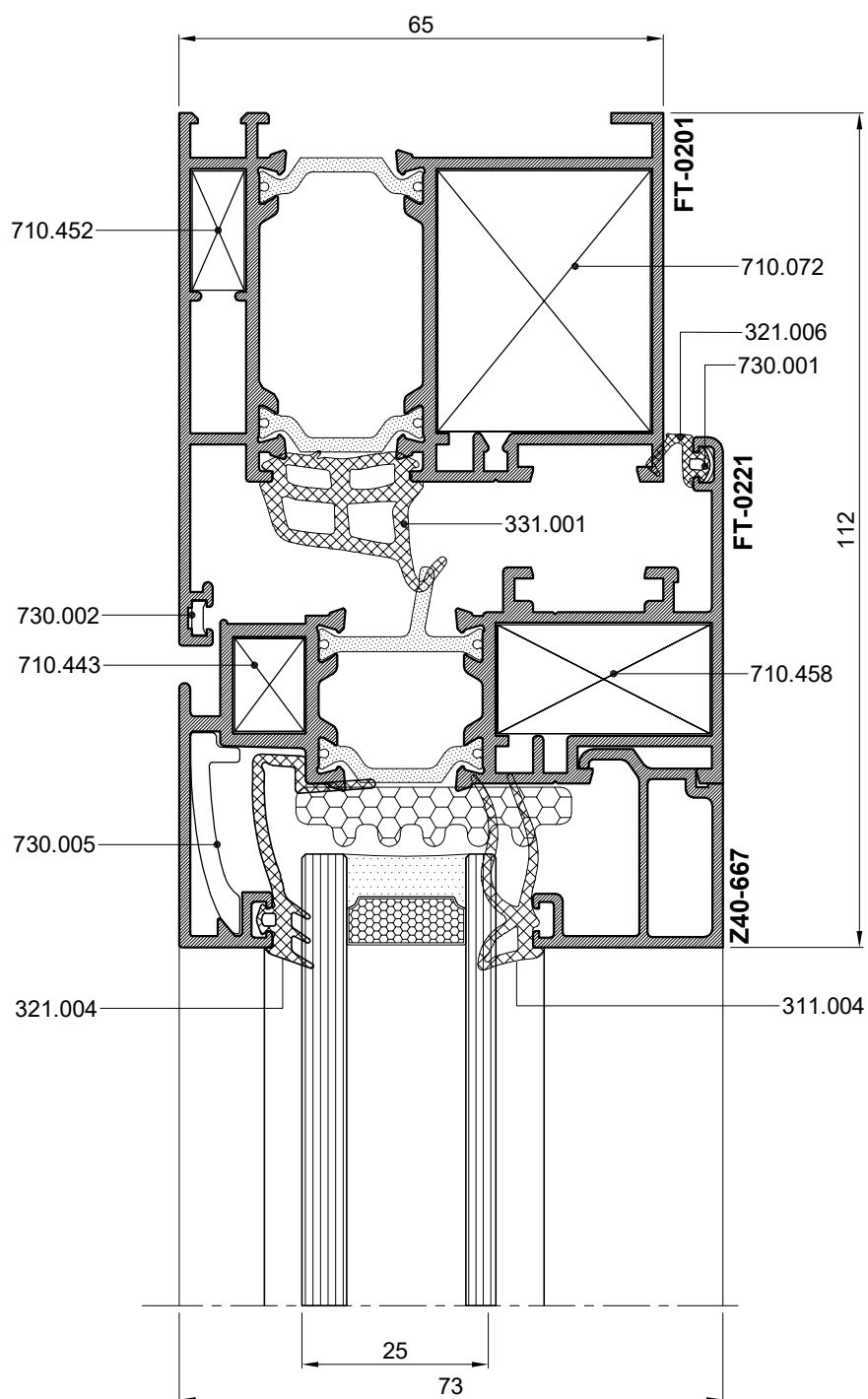
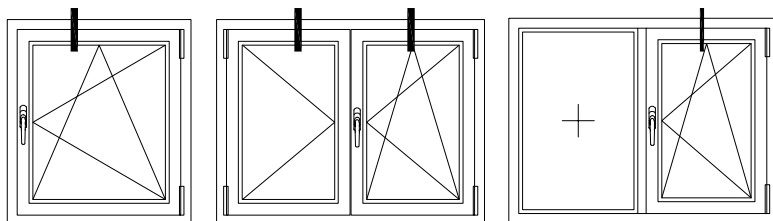
Presjeci Cross section

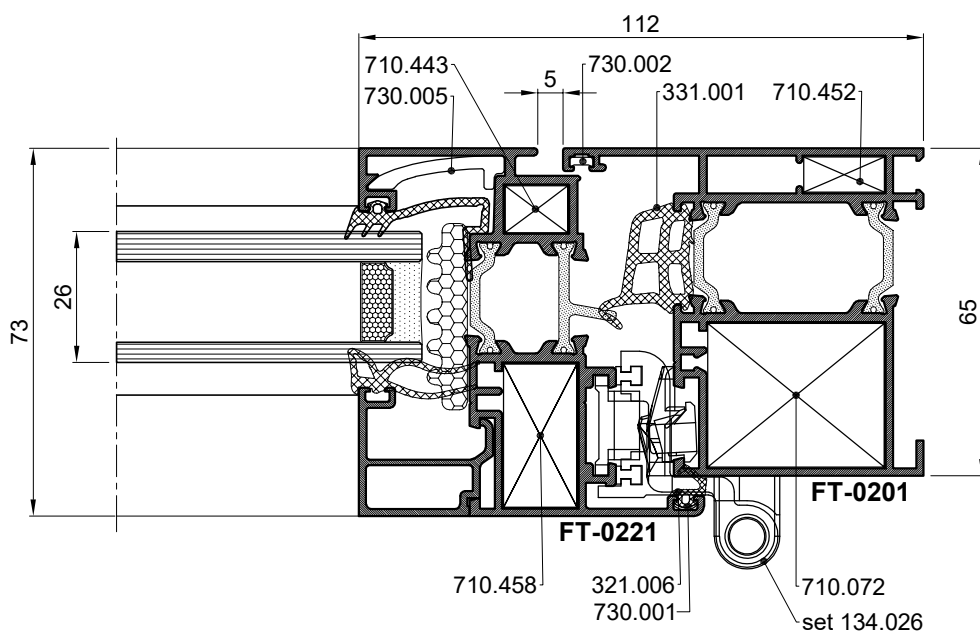
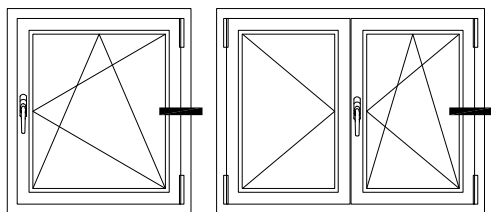




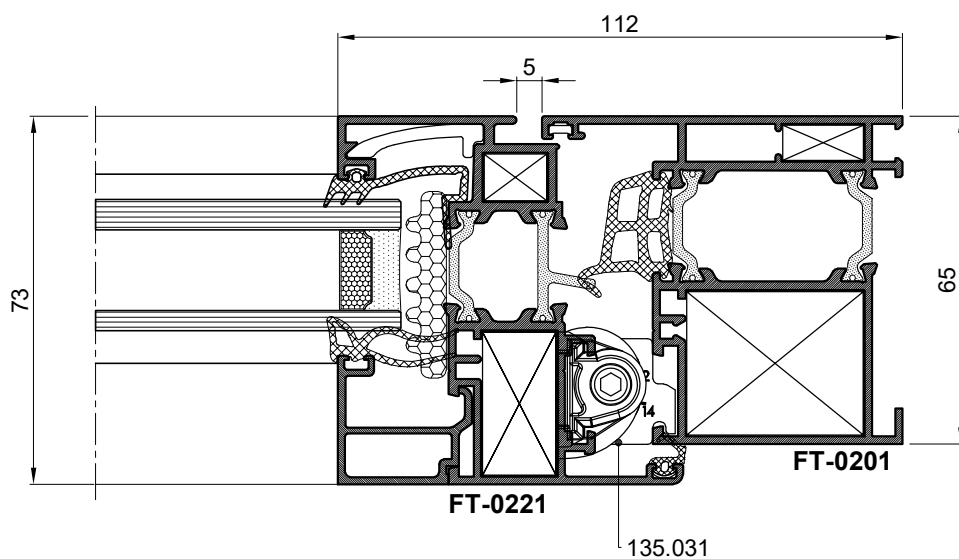


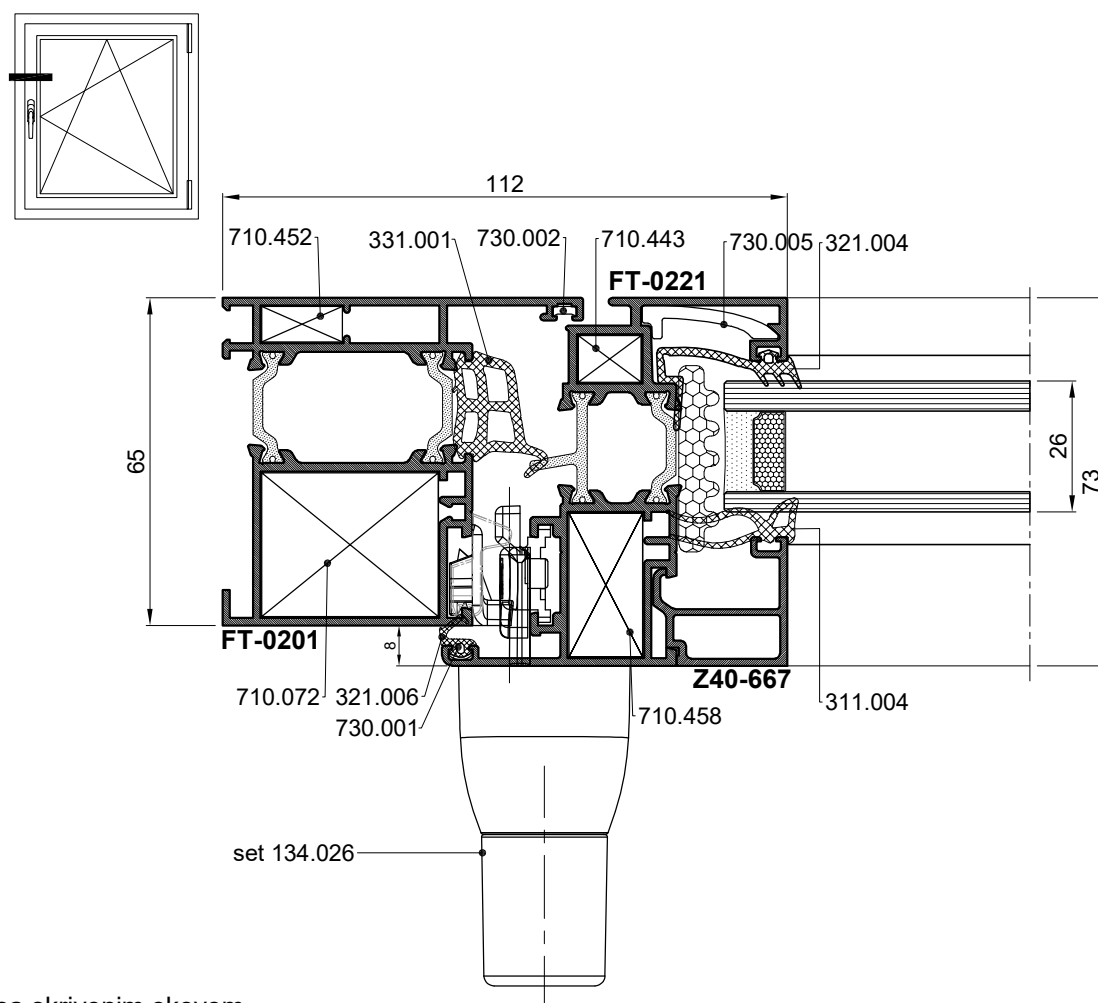




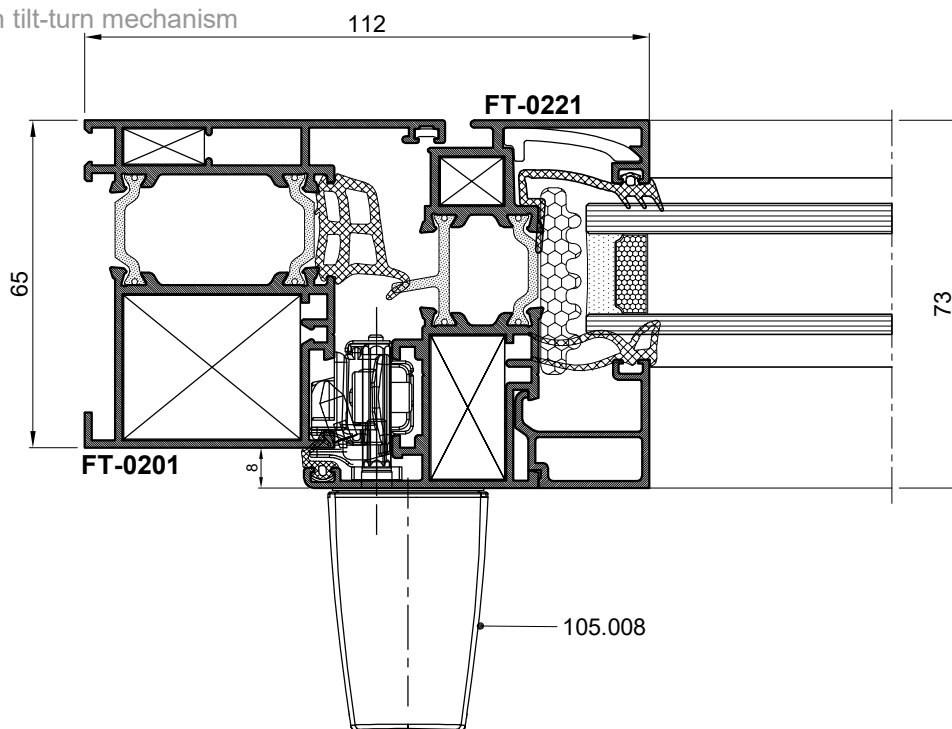


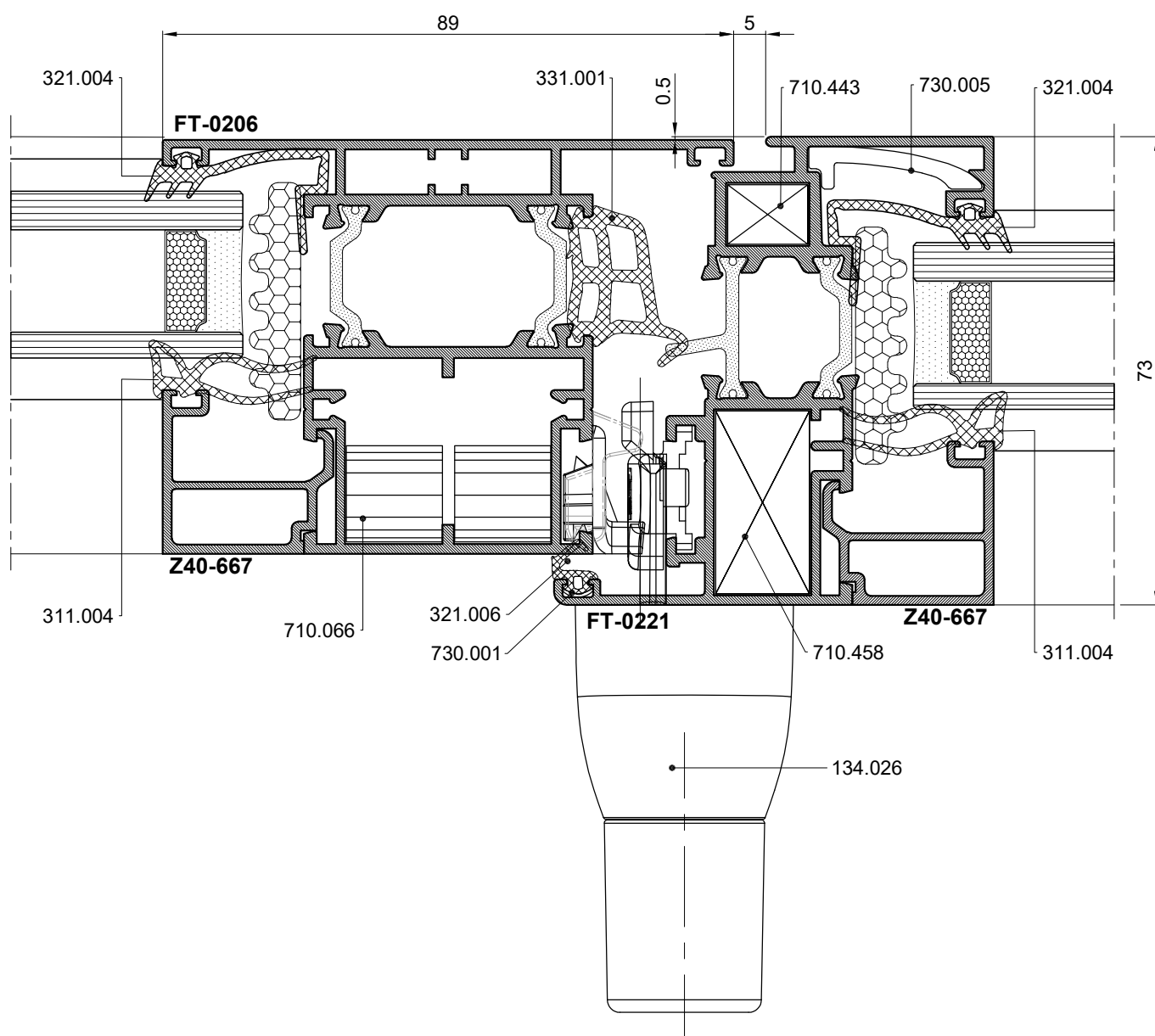
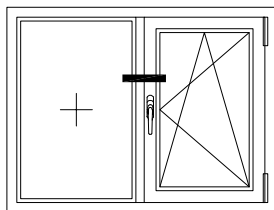
Detalj sa skrivenim okovom
Details with hidden tilt-turn mechanism

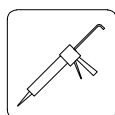
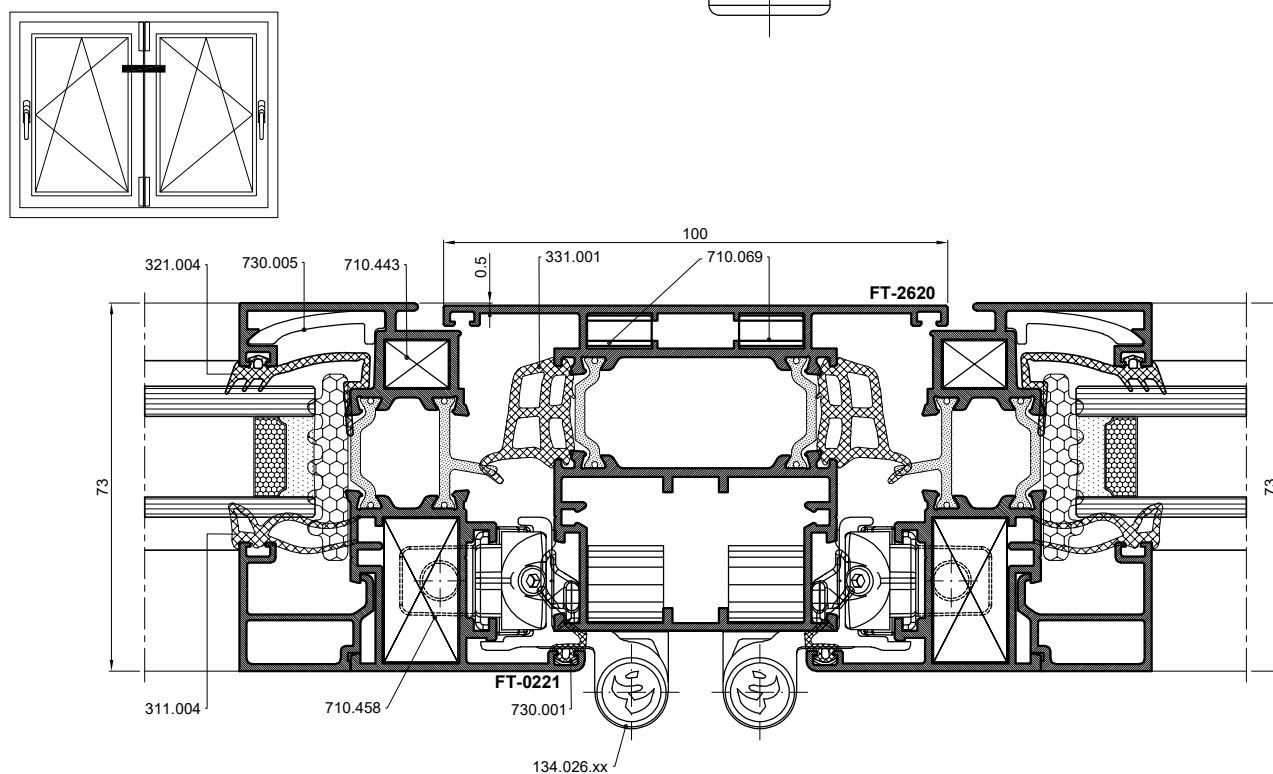
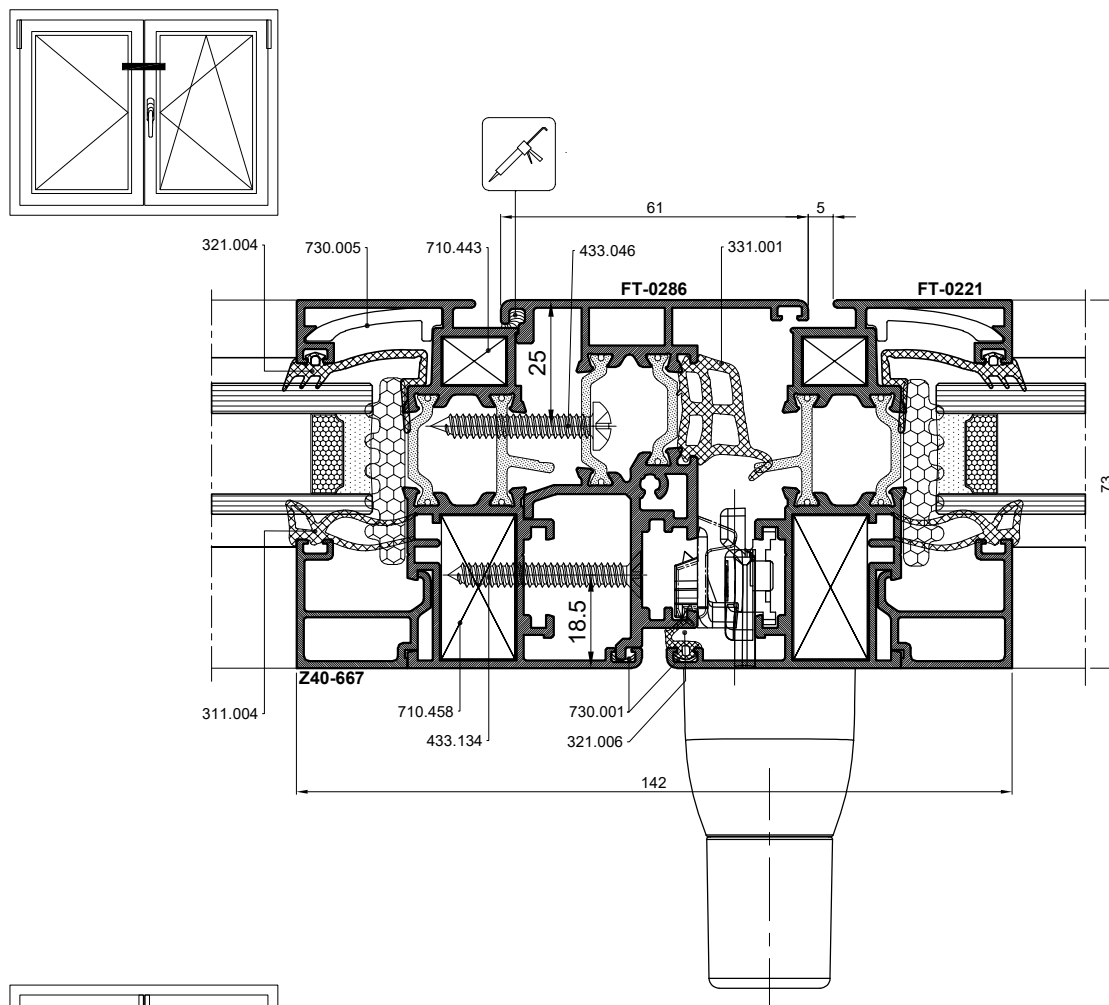




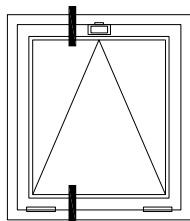
Detalj sa skrivenim okovom
Details with hidden tilt-turn mechanism



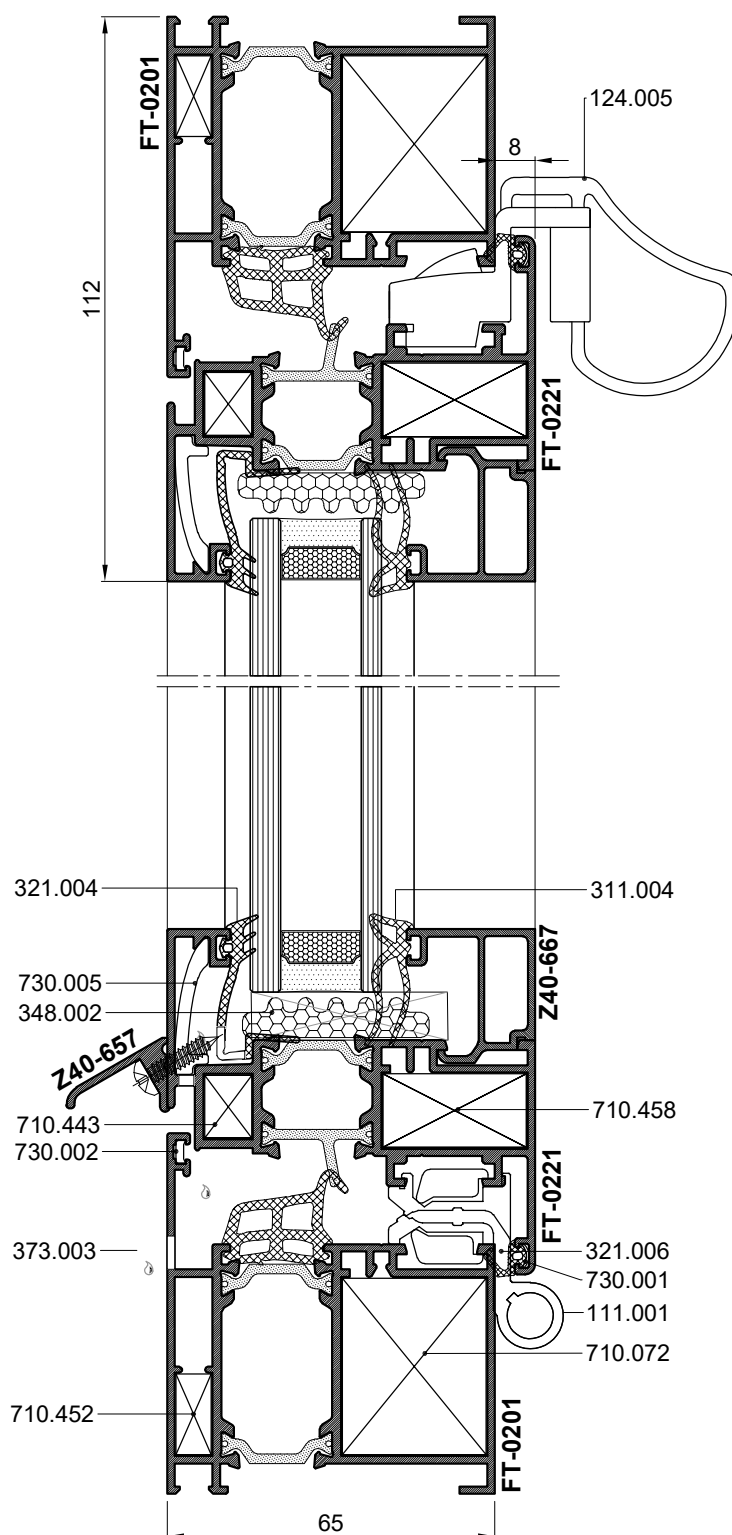


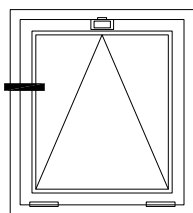


ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

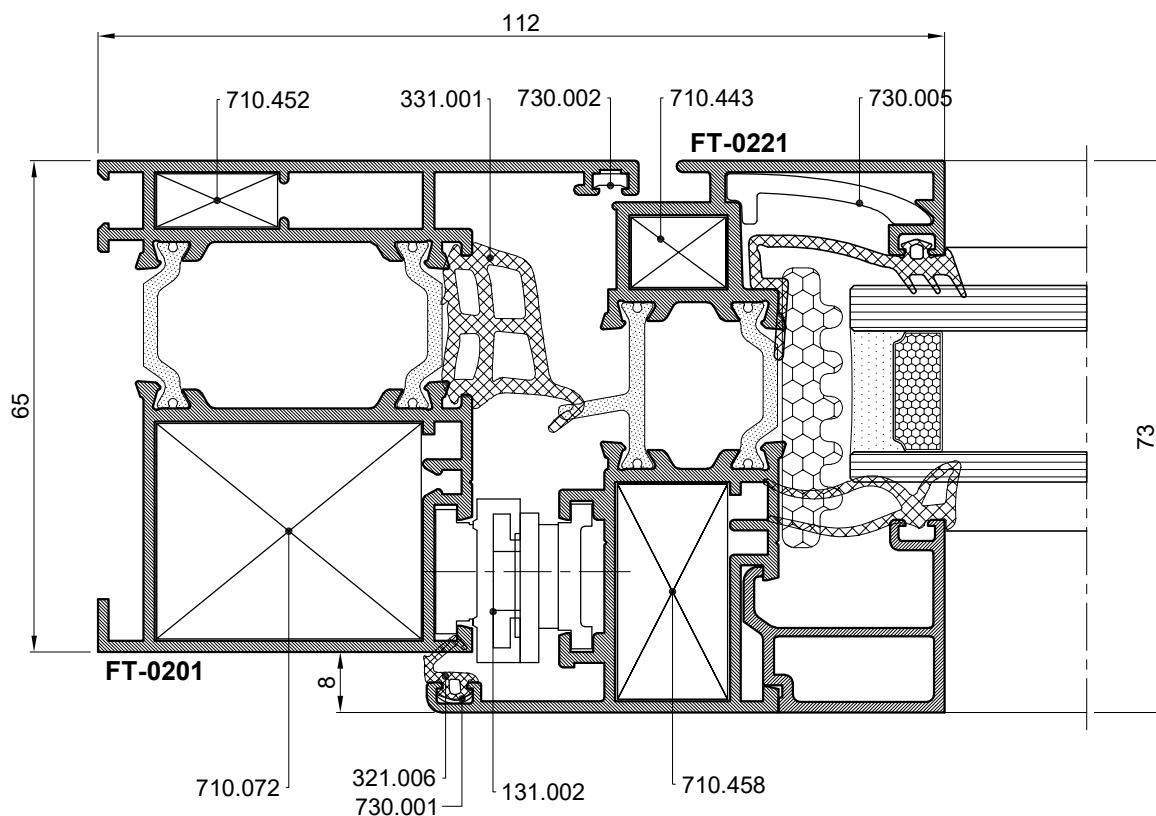


OTKLOPNI PROZOR - VENTUS
sa bravicom za zatvaranje (124.005) i škarama (131.002)
TILT WINDOW - VENTUS
with lock for closing - (124.005) and scissors (131.002)

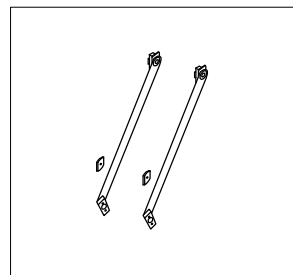


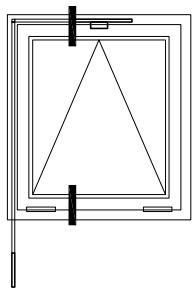


OTKLOPNI PROZOR - VENTUS
sa bravicom za zatvaranje (124.005) i škarama (131.002)
TILT WINDOW - VENTUS
with lock for closing - (124.005) and scissors (131.002)

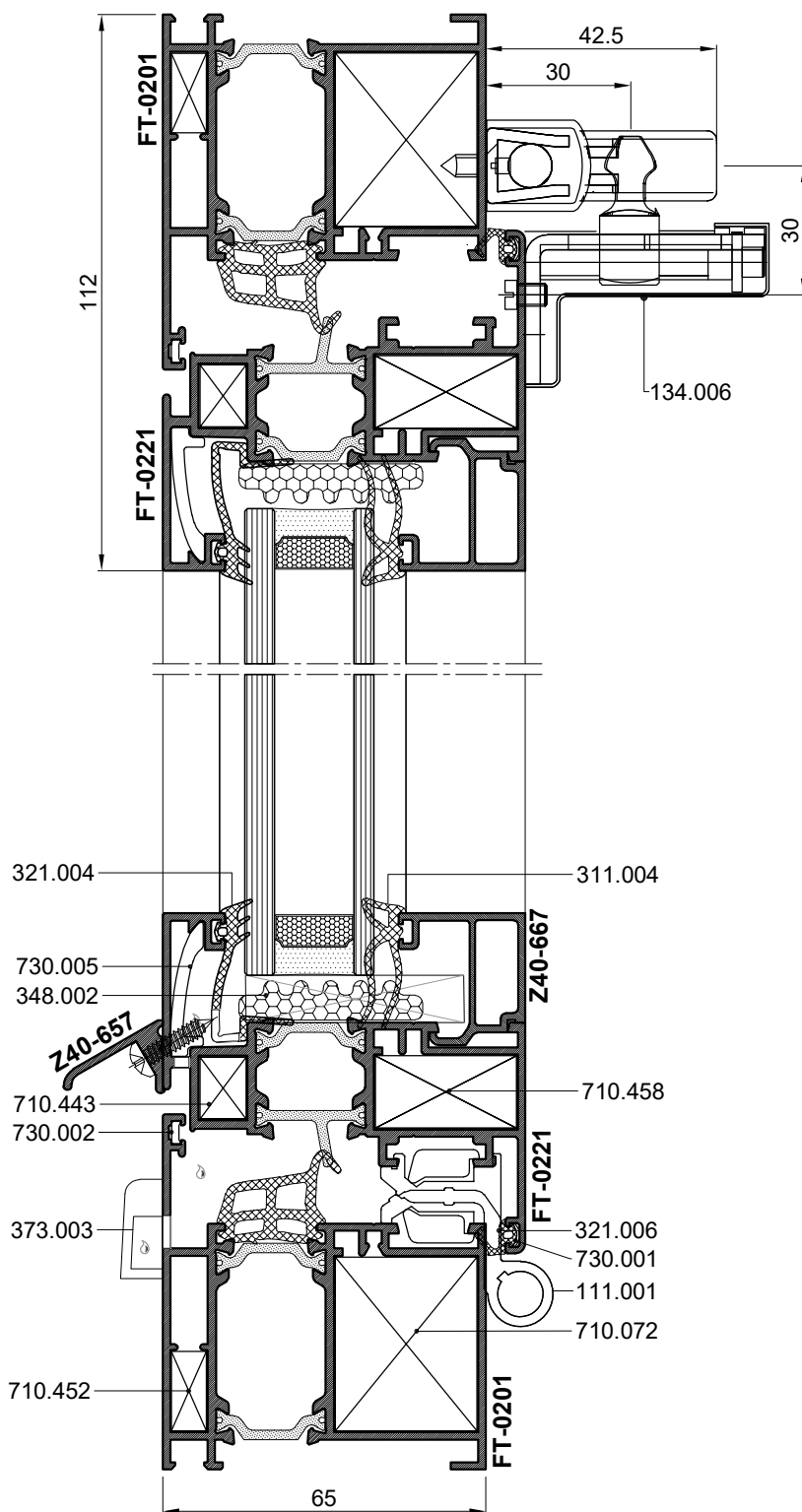
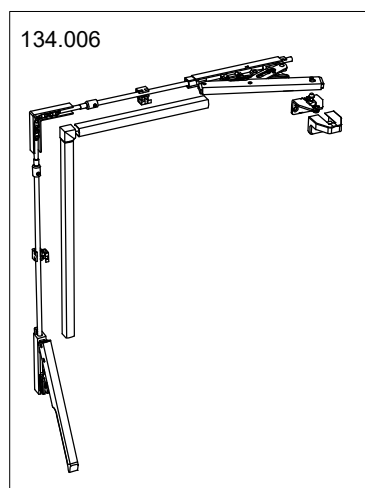


131.002

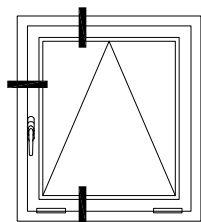




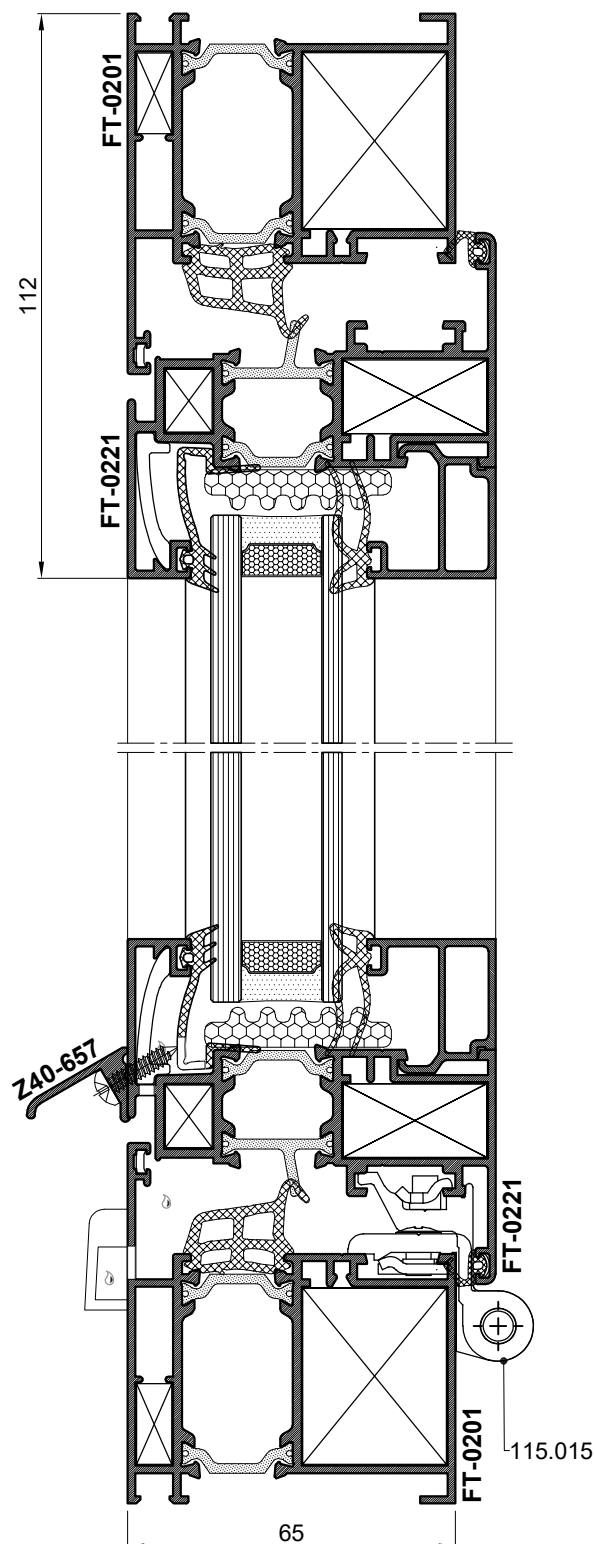
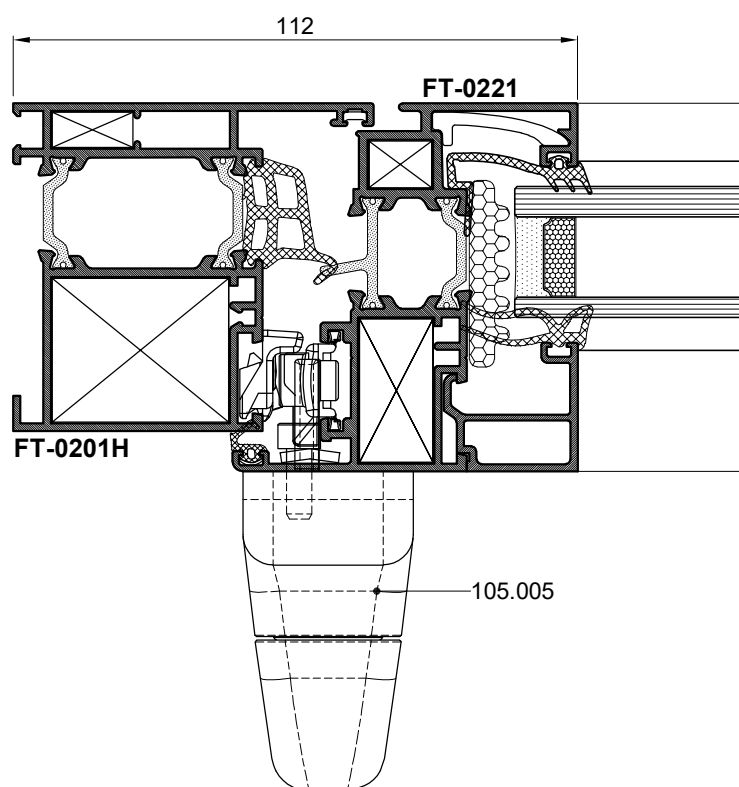
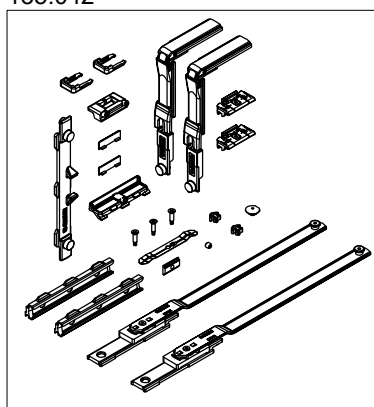
OTKLOPNI PROZOR - VENTUS sa ručkom za visinu (134.006)
TILT WINDOW - VENTUS with handle for height (134.006)

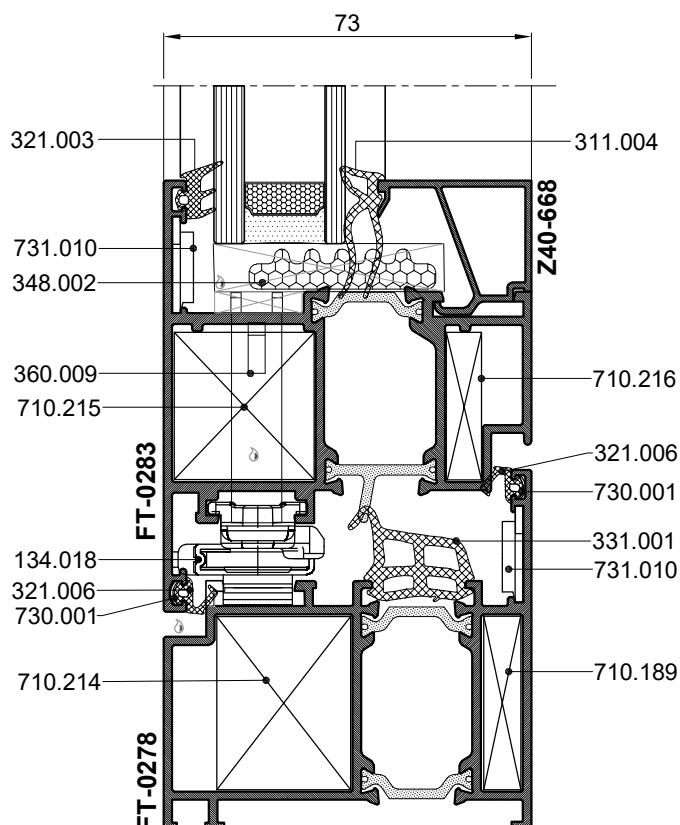
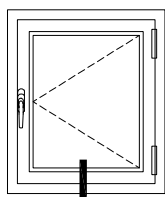


OTKLOPNI PROZOR - VENTUS sa ručkom na okomici (135.042)
TILT WINDOW - VENTUS with handle on side (135.042)

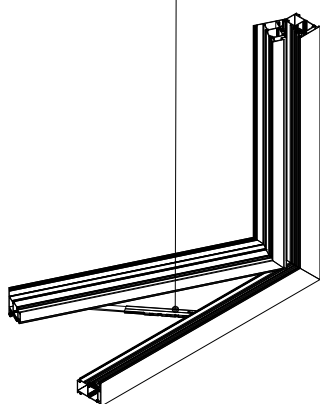


135.042

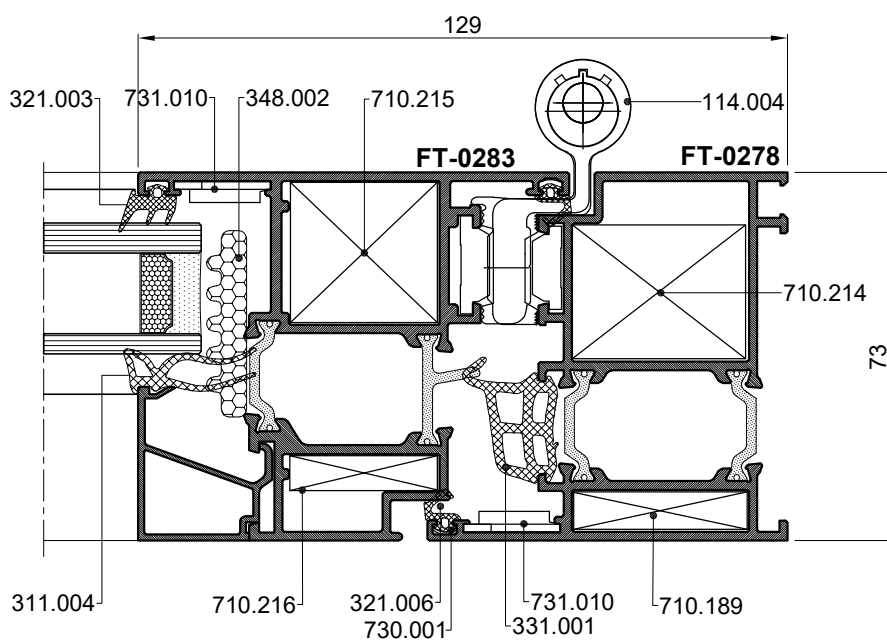
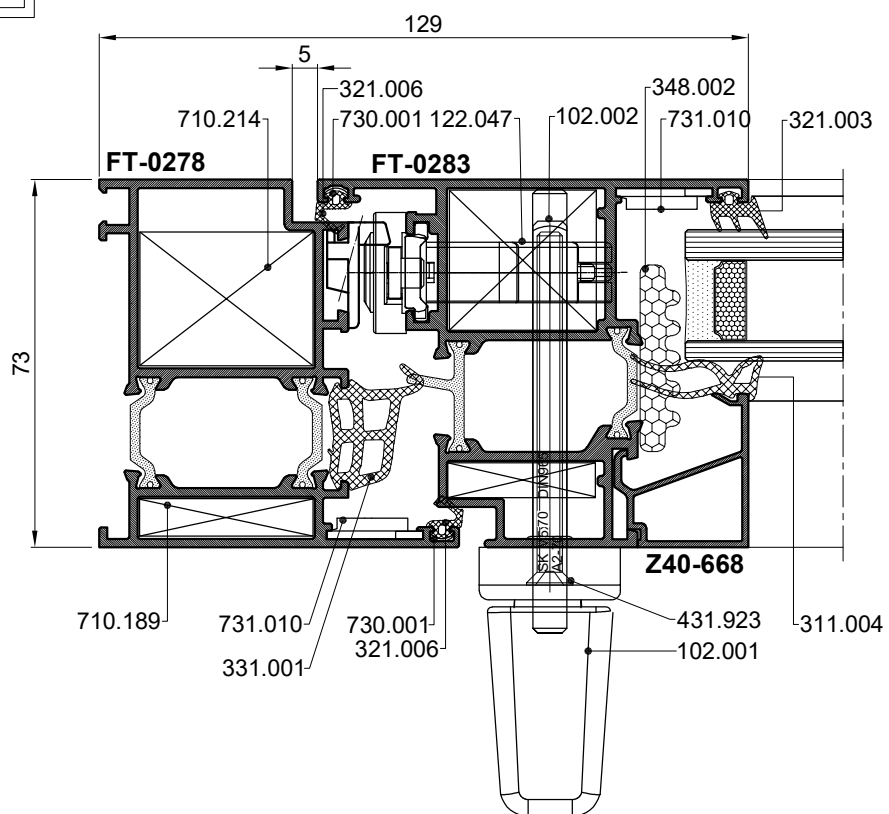
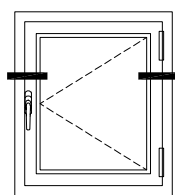


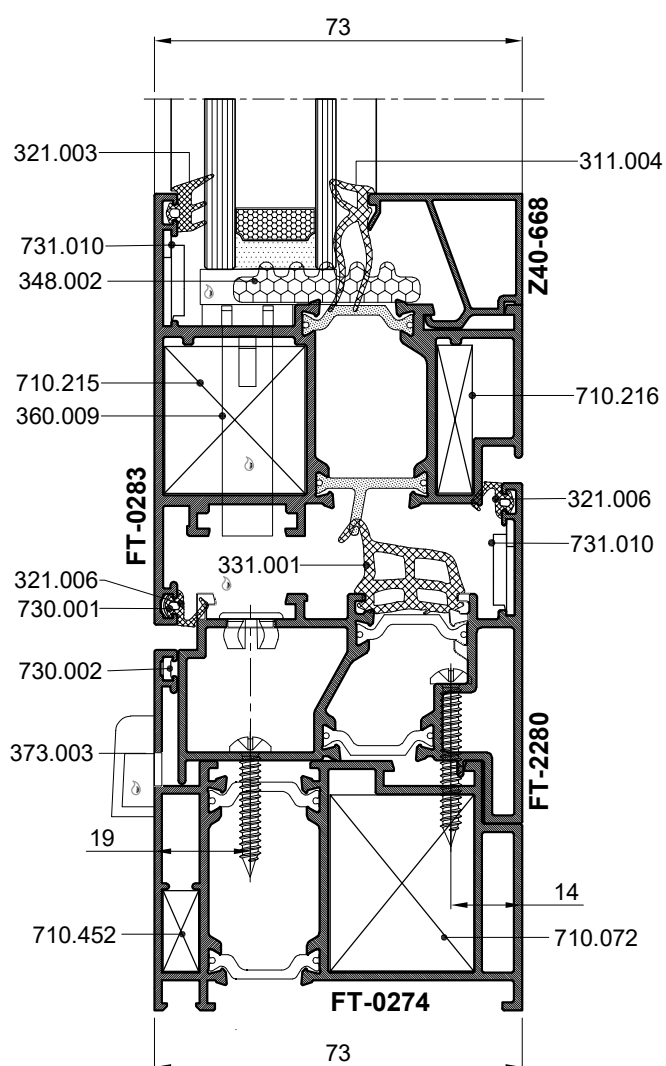
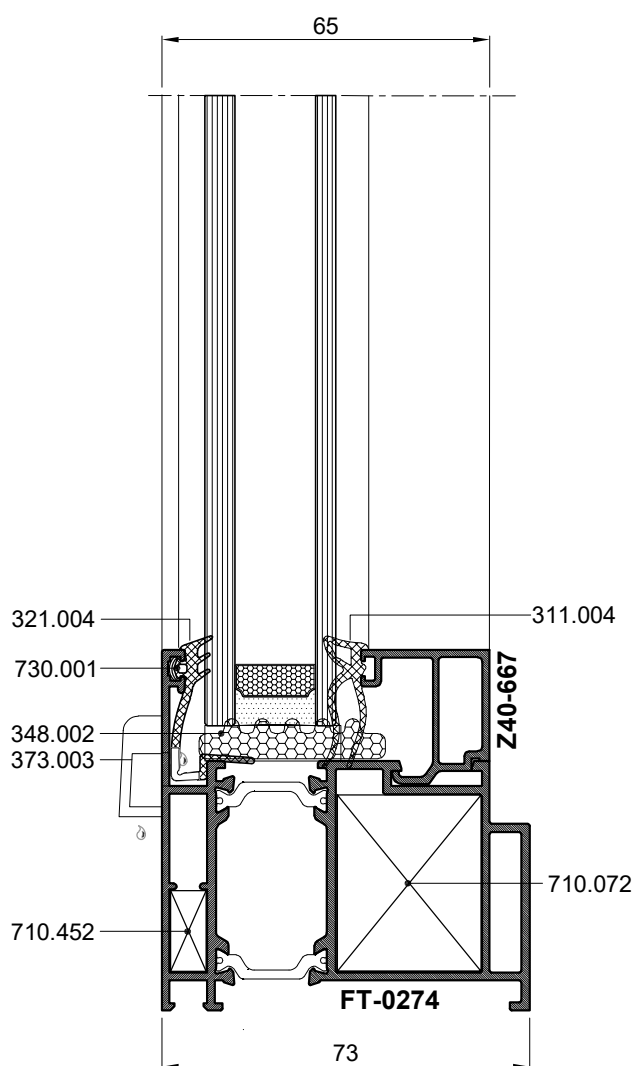
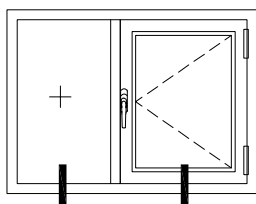


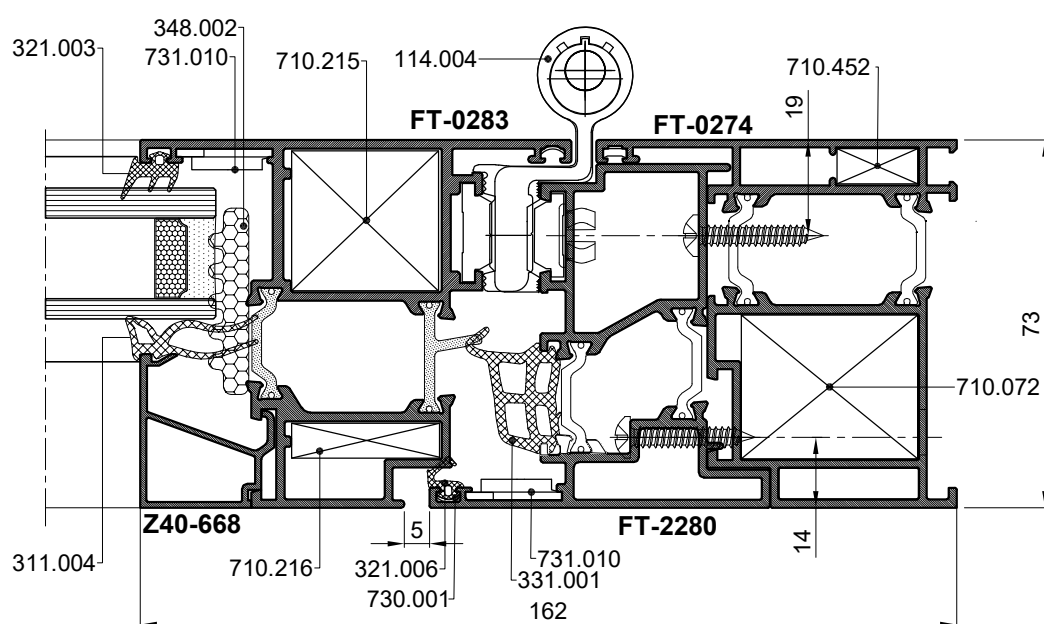
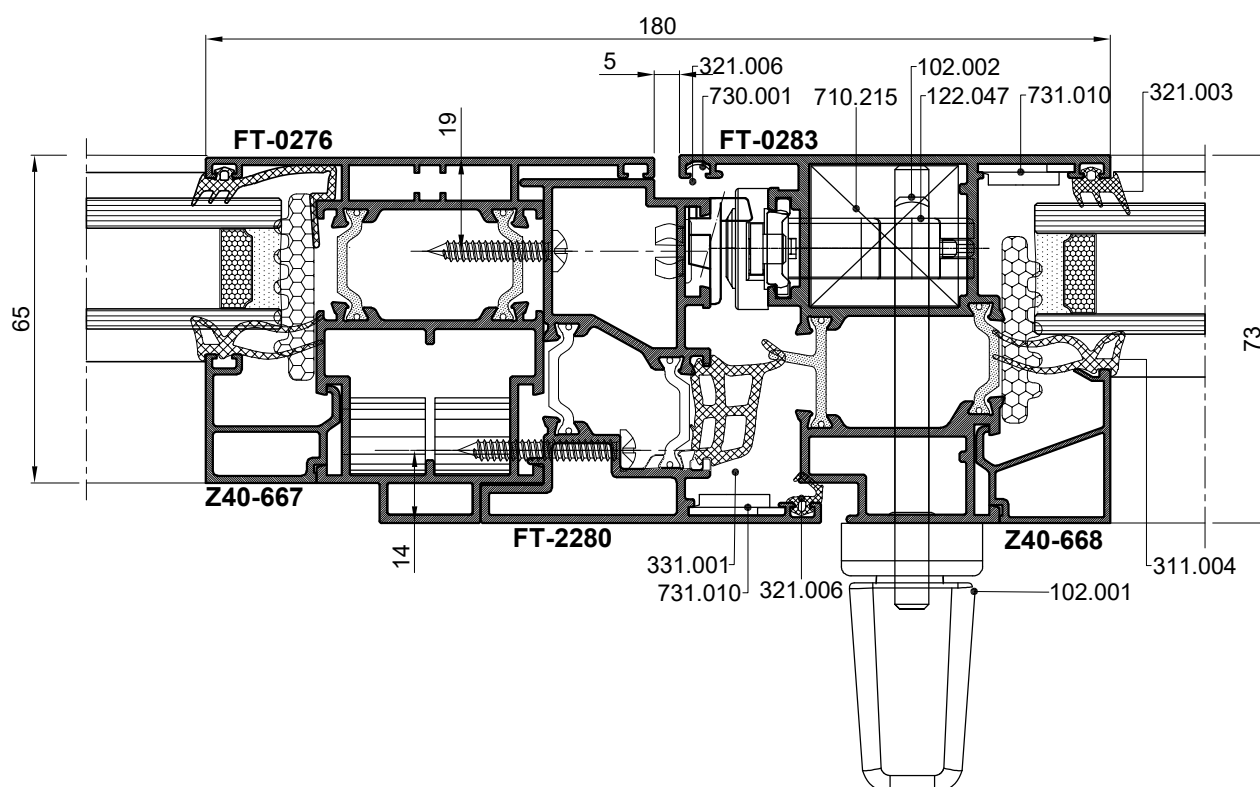
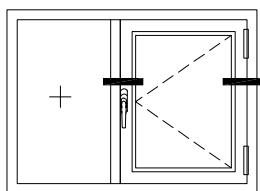
134.018
teleskopske škare, graničnik otvaranja
telescope stays, opening limiter

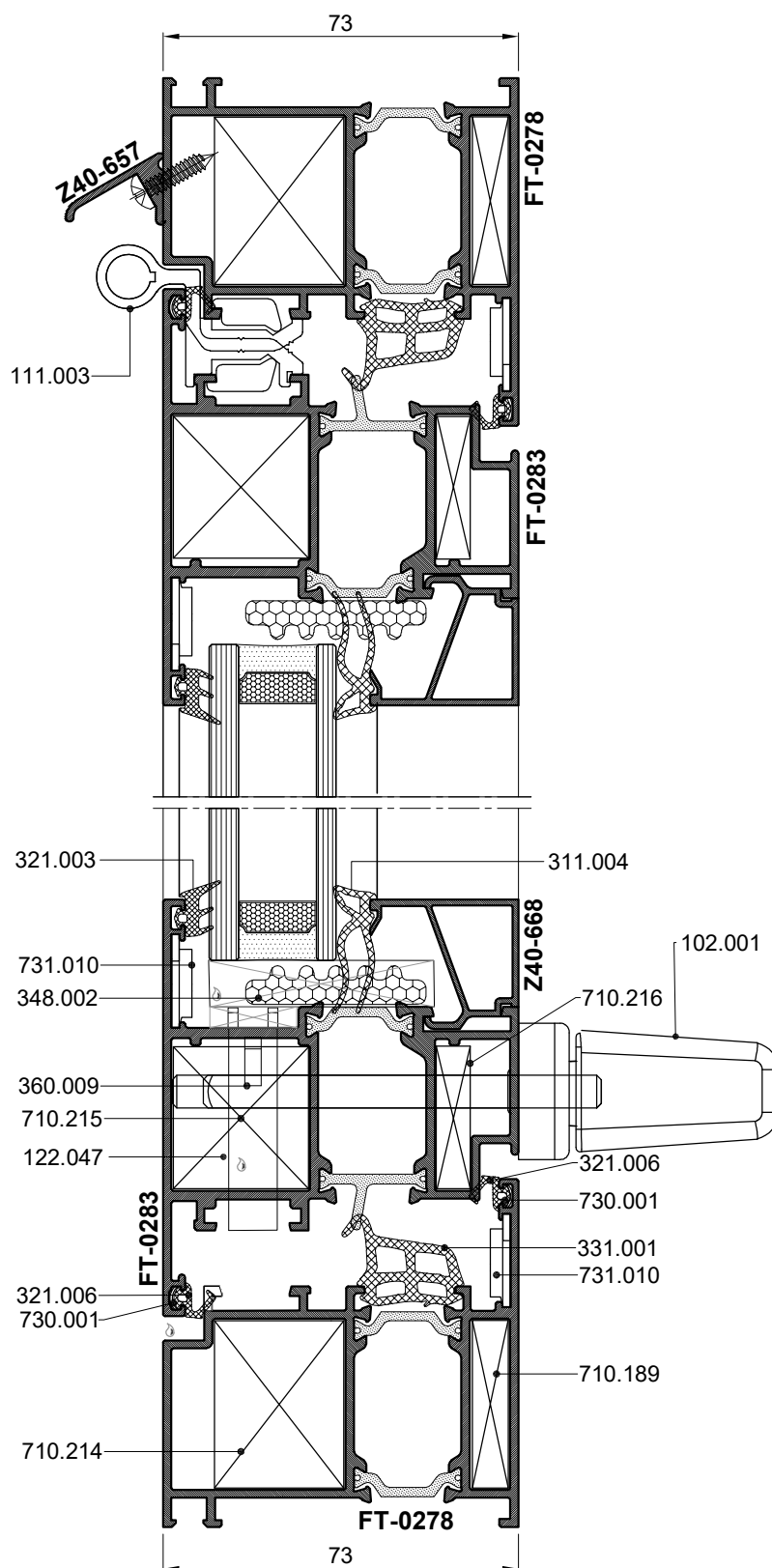
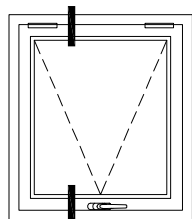


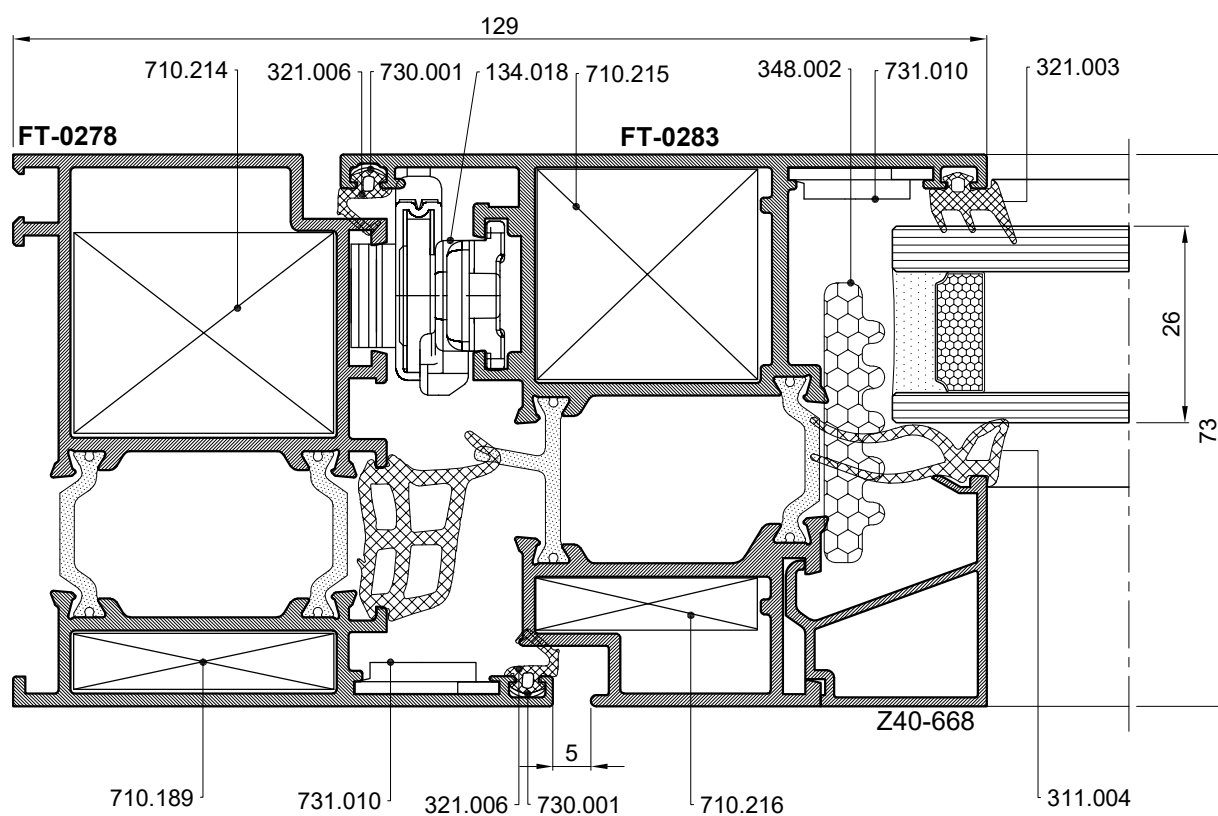
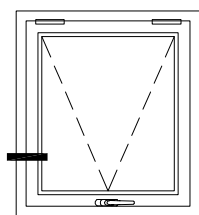
Oznaka Code	Opis Description	kom pcs
122.047	brava 35 mm lock 35 mm	1
102.001	6-25916-35-0 (GU) ručka dirigent-F handle dirigent-F	1
102.002	6-28072-00-0 (GU) firkant 7x7x143 square 7x7x143	1
431.923	9-26874-81-0-1 (GU) vijak M5x70 DIN 635 screw M5x70 DIN 635	2
134.005	tuljac eccentric pin	2
134.004	4010.27(Stub.) prihvatnik eccentric pin guide	2
114.004	4010.03 (Stub.) šarka two-part hinge	2
134.018	2024.00 (Stub.) teleskopski graničnik telescope limiter	1

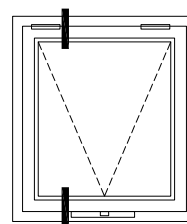
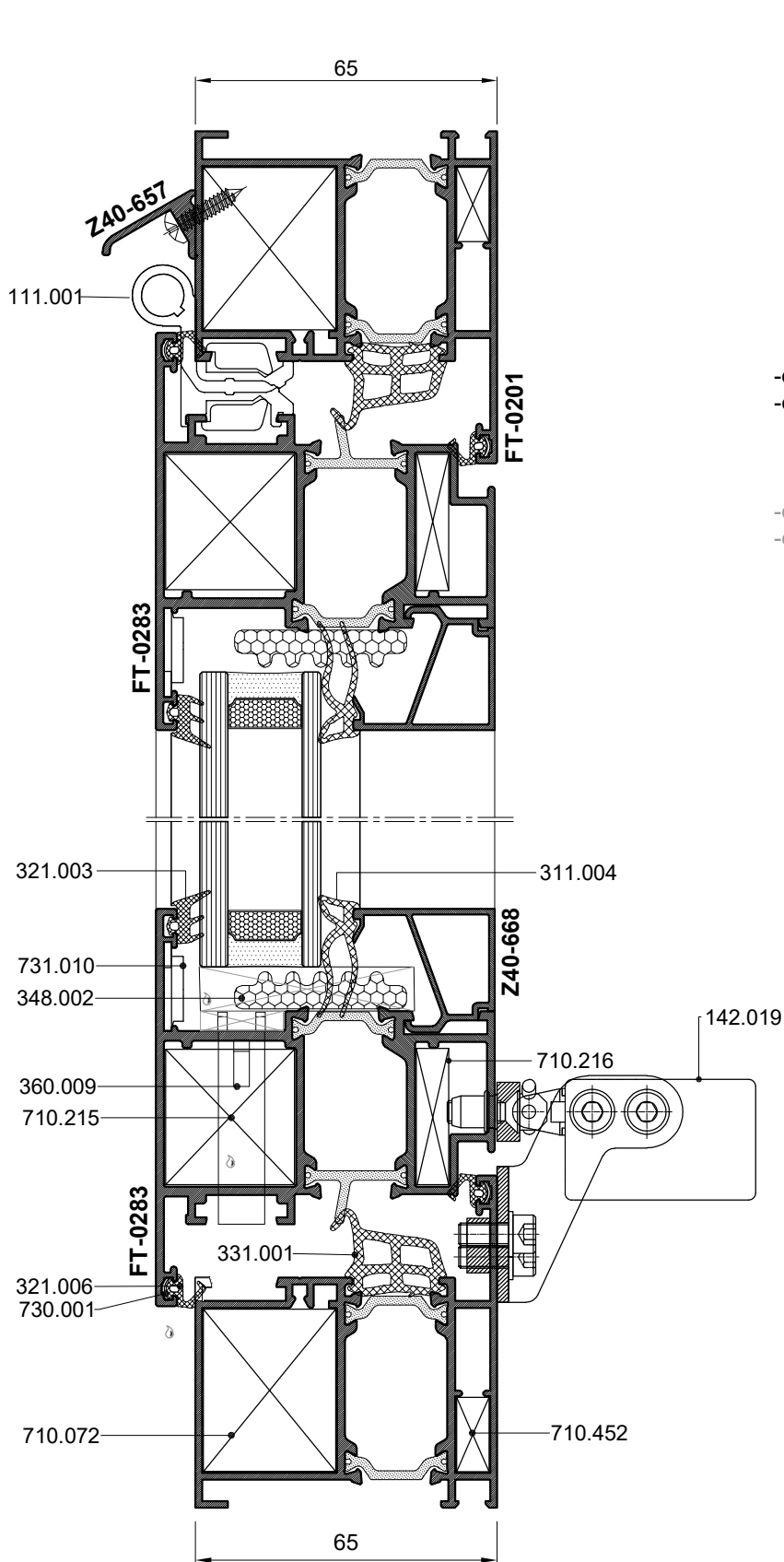




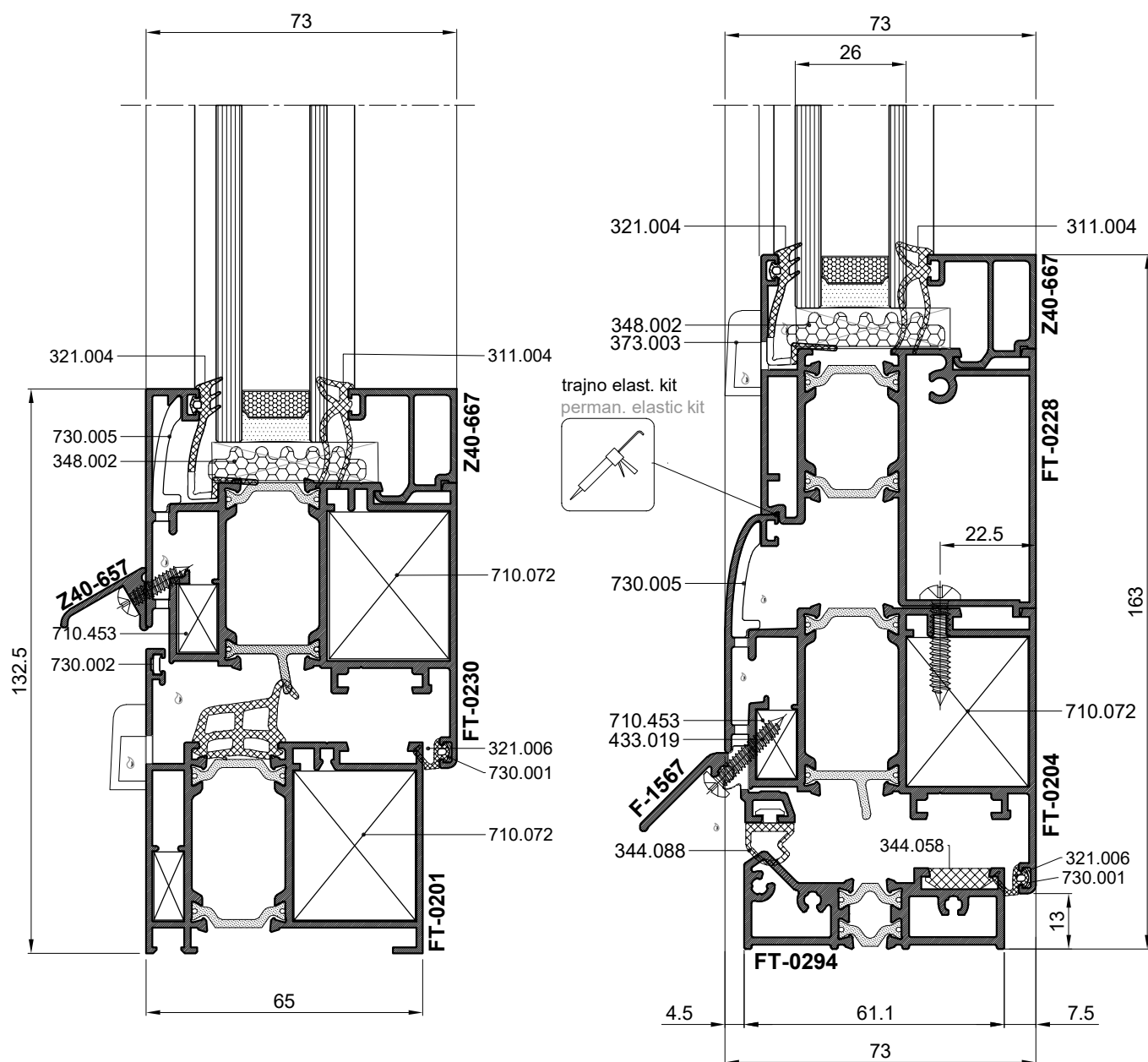
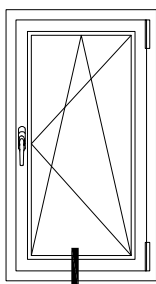




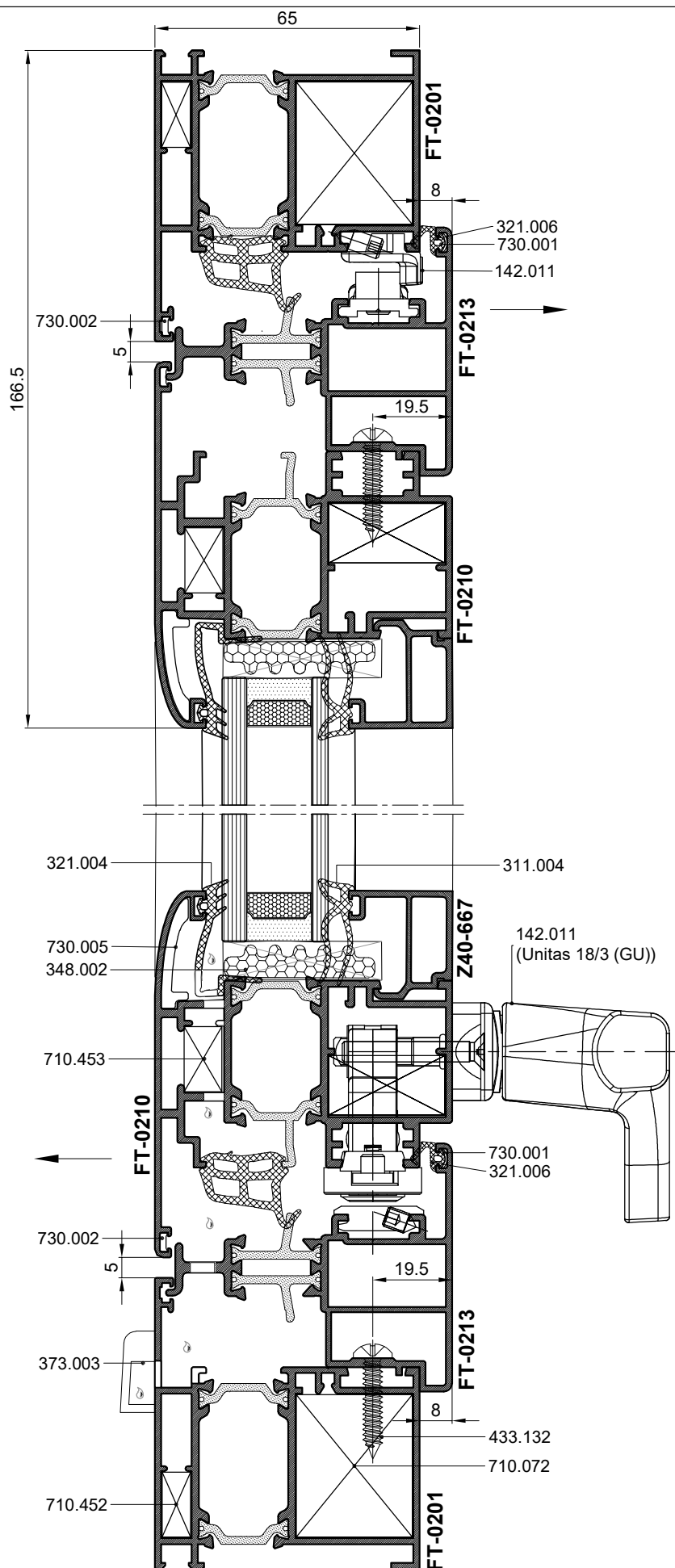
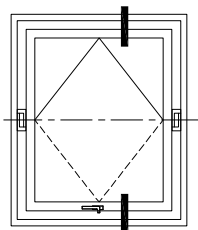


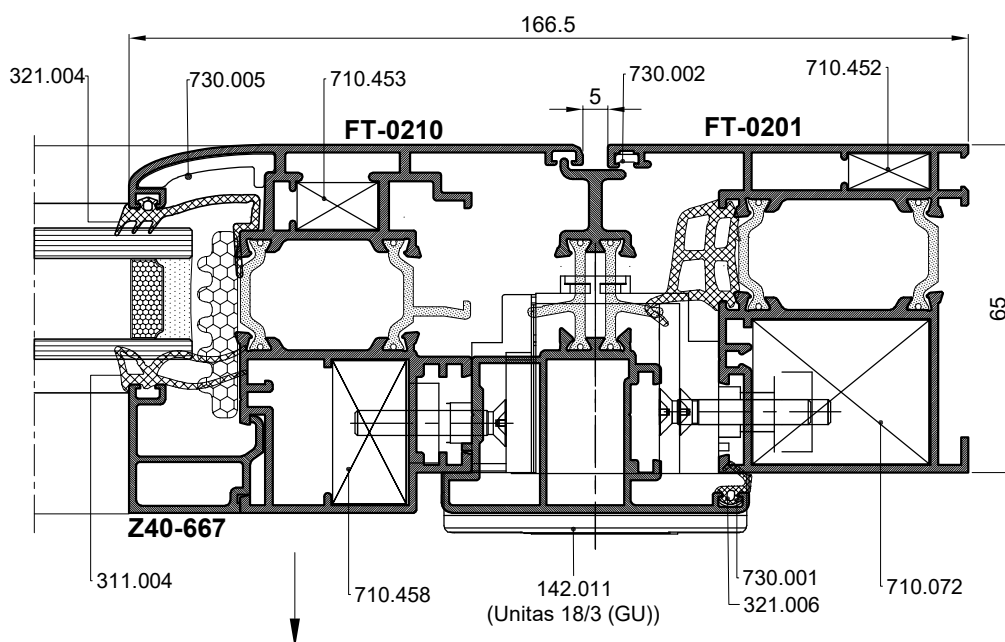
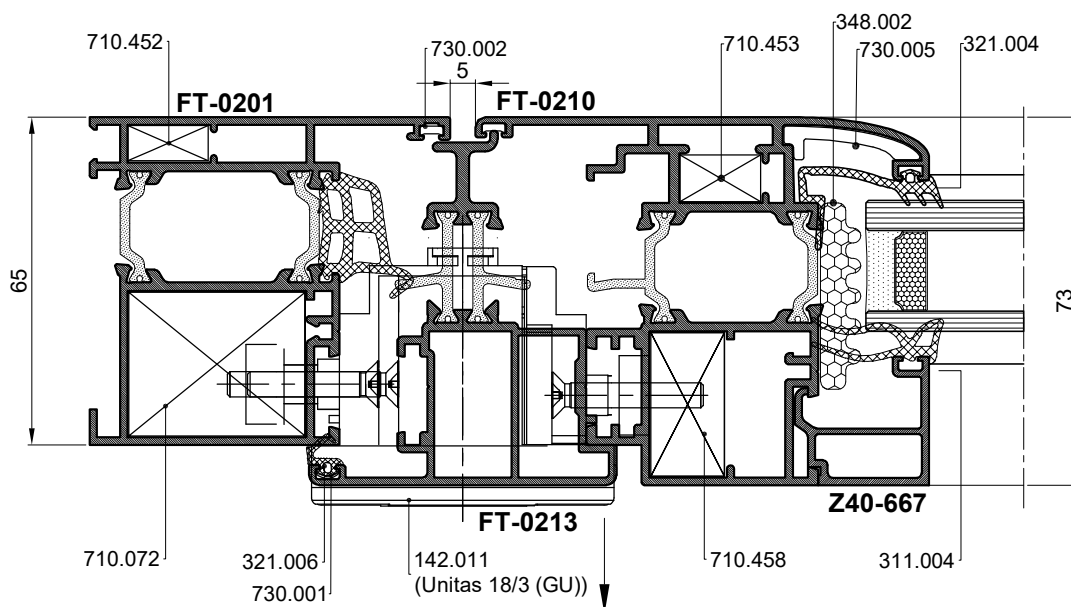
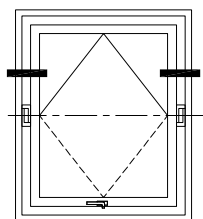


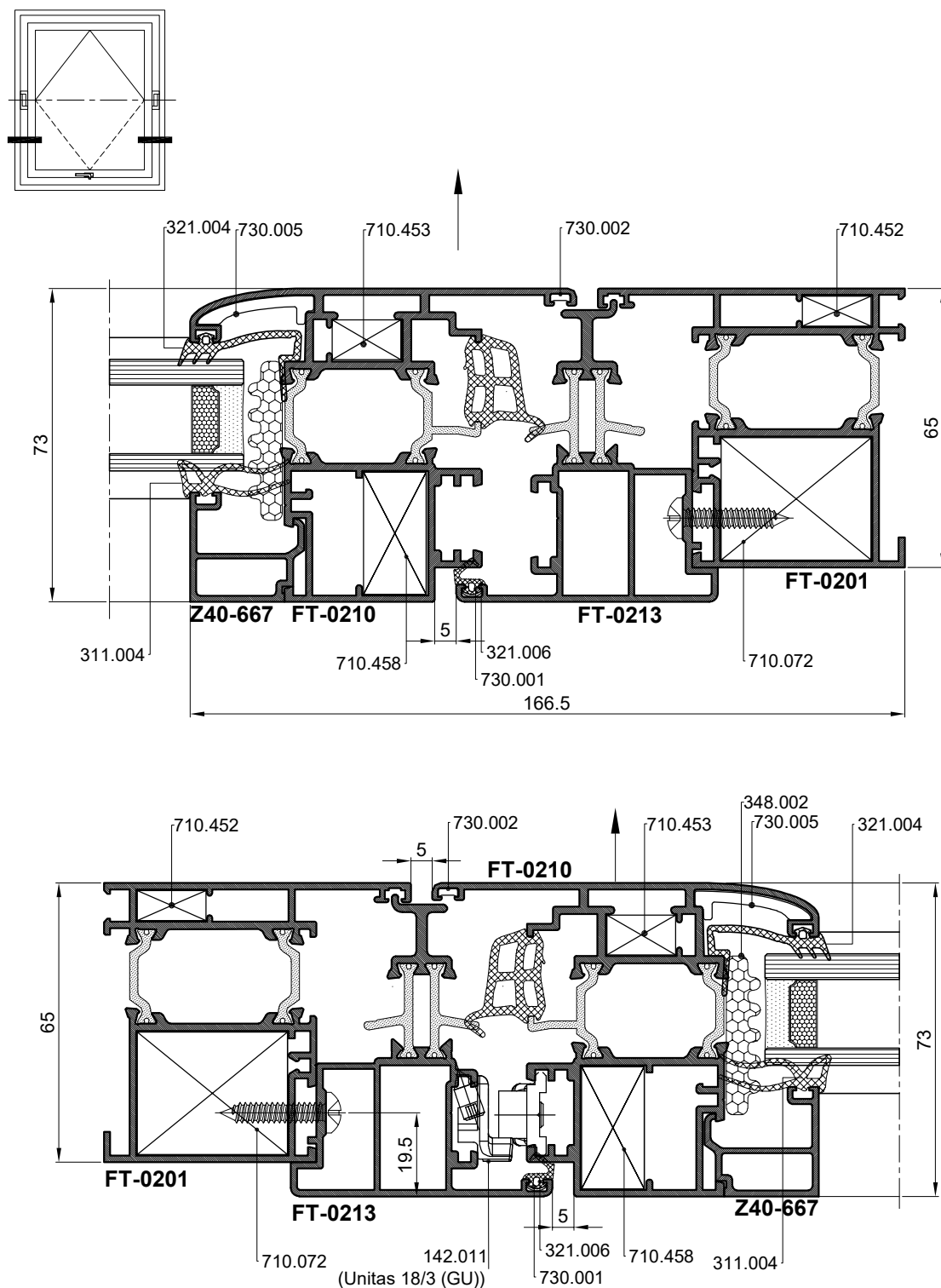
- otvaranje oko gornje ose
- elektromotorni pogon
 - 142.019 - hod motora 200 mm
 - 142.020 - hod motora 300 mm
 - 142.021 - hod motora 400 mm
- opening top axis
- electric motor drive
 - 142.019 - throw motor 200 mm
 - 142.020 - throw motor 300 mm
 - 142.021 - throw motor 400 mm



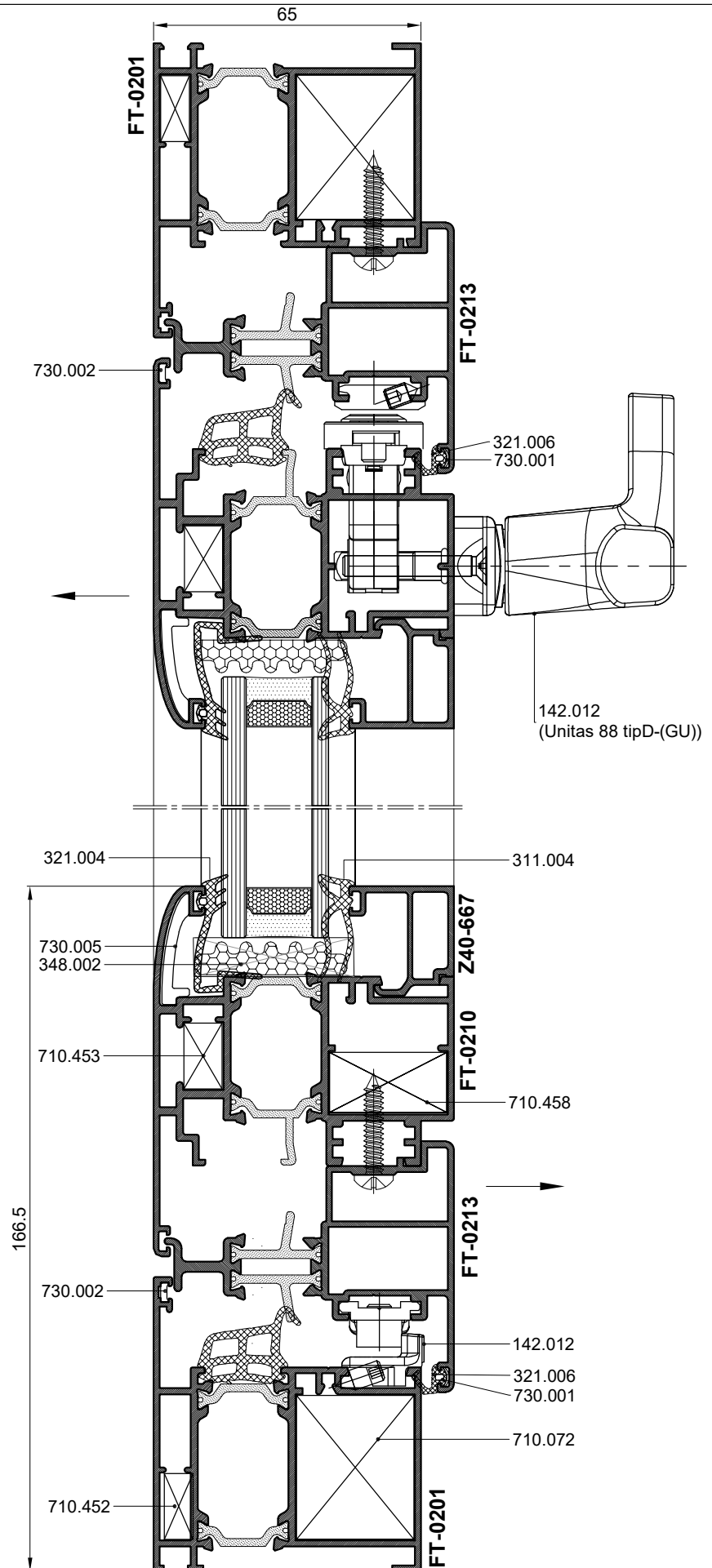
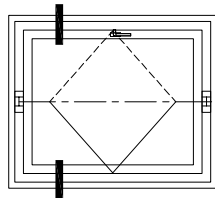
PROZOR - OTVARANJE OKO
SREDNJE VODORAVNE OSE
WINDOW - HORIZONTAL
PIVOT OPENING

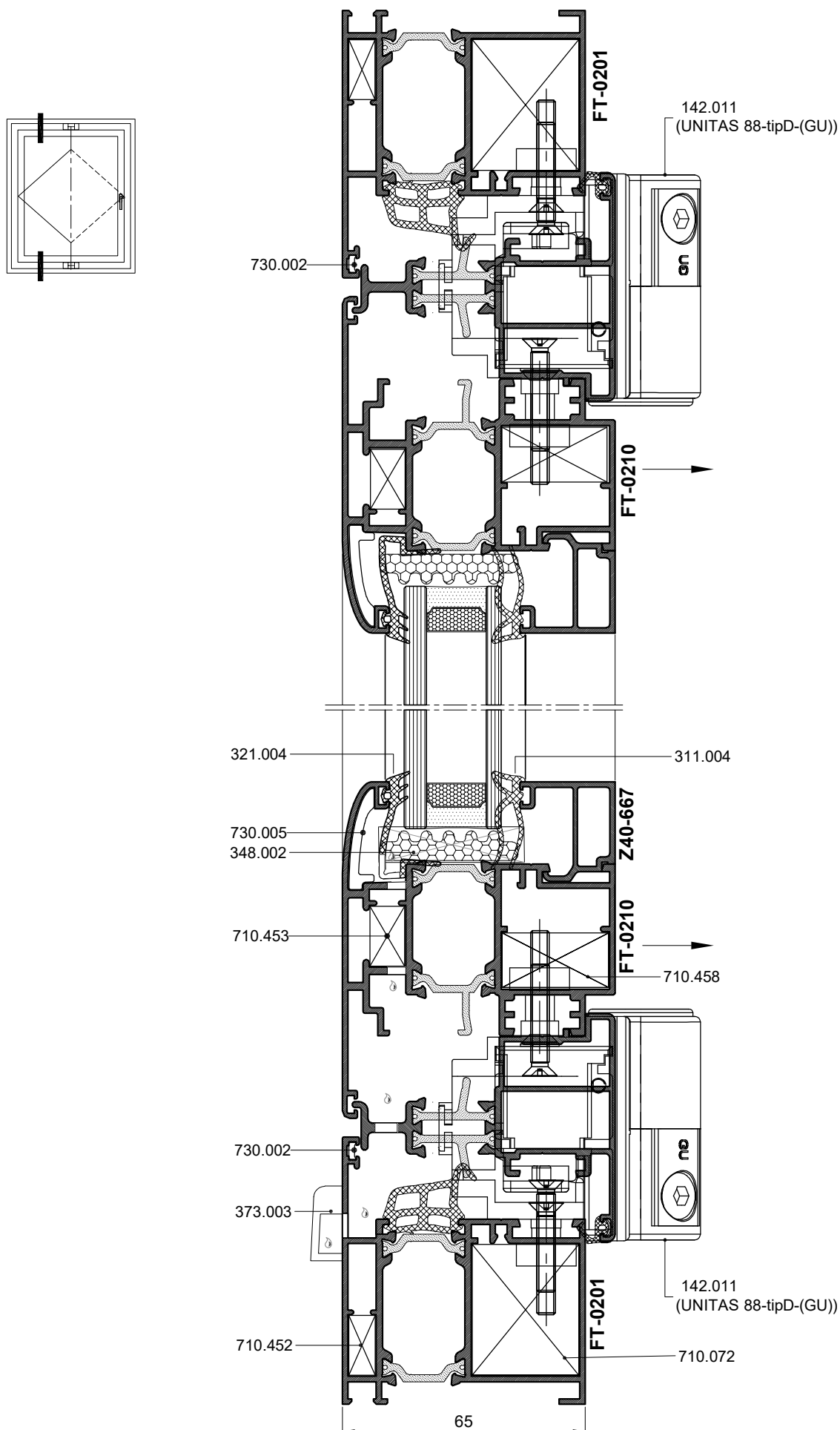


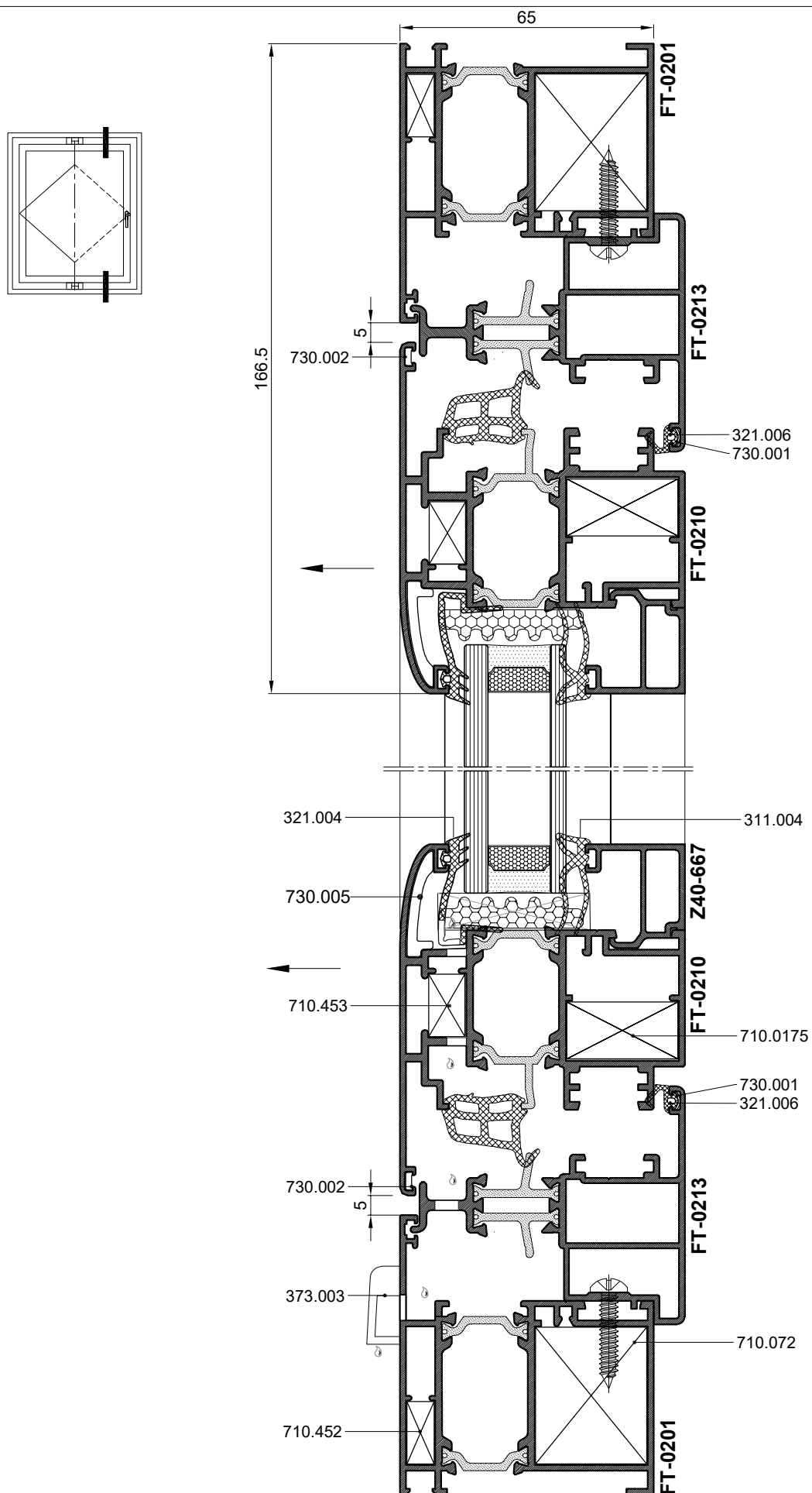


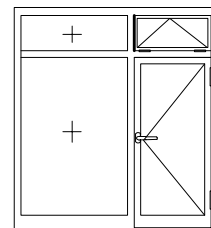
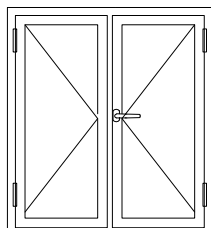
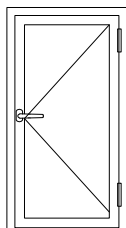


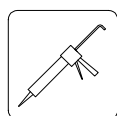
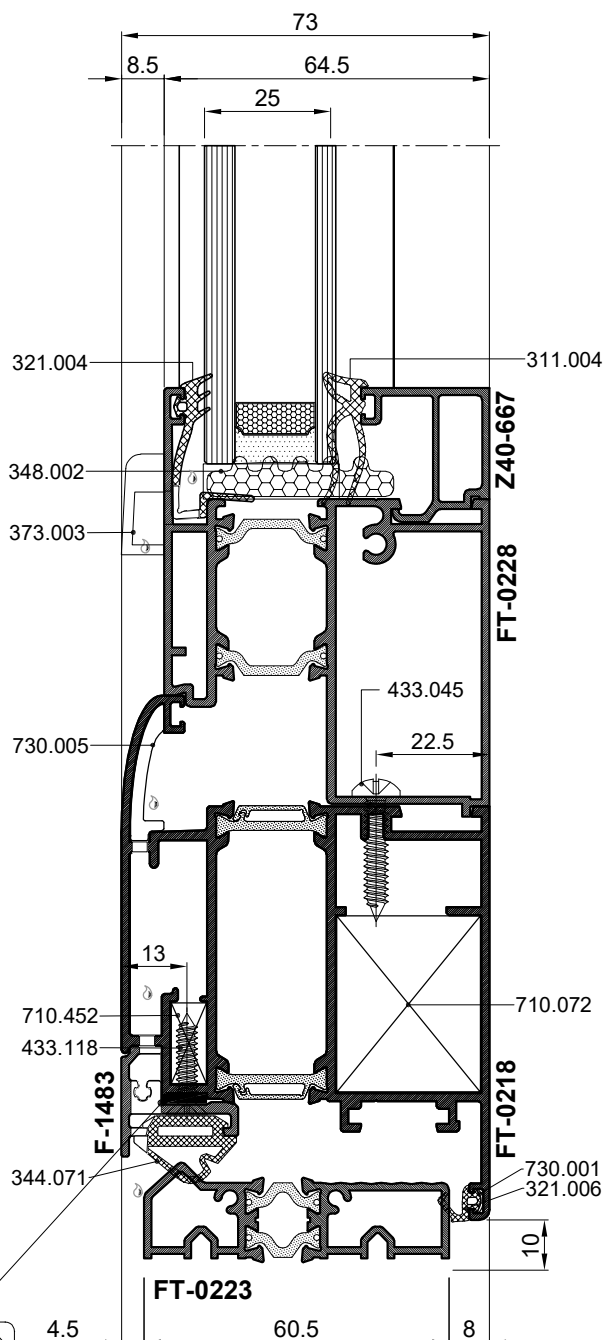
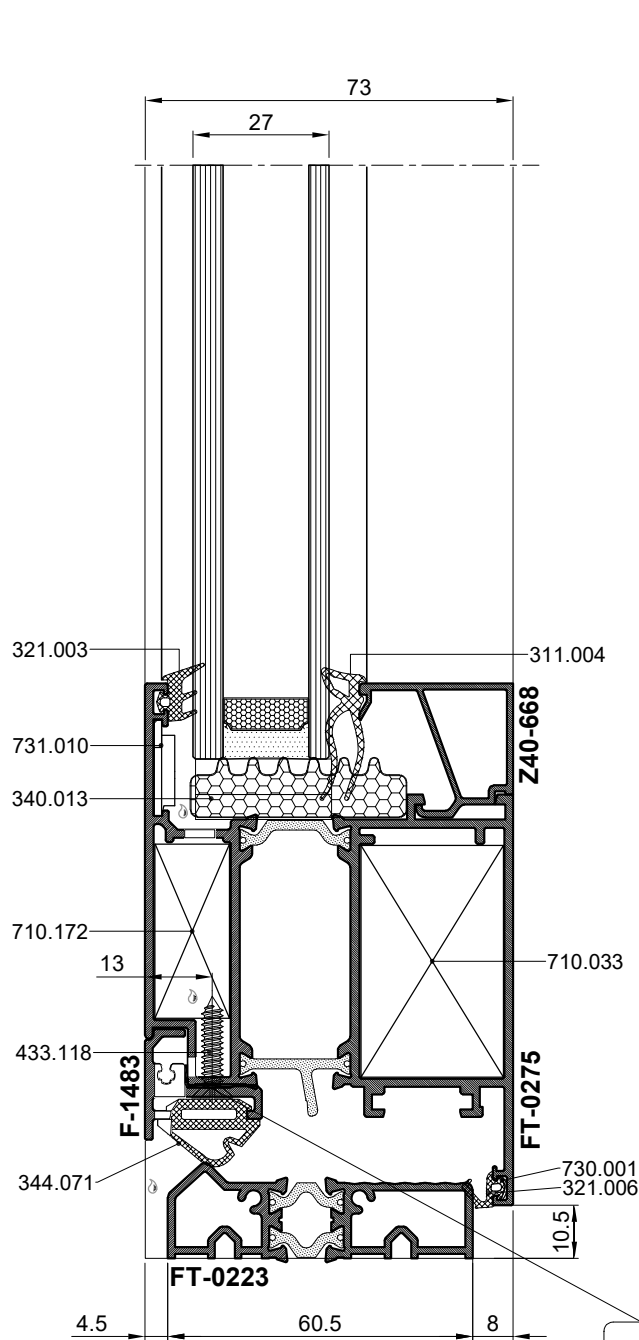
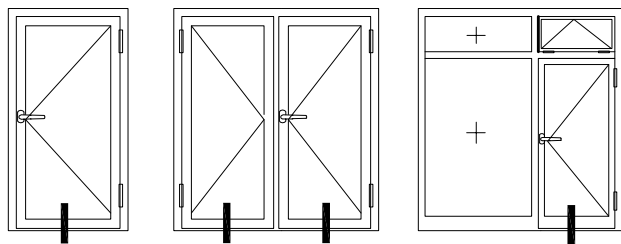
PROZOR - OTVARANJE OKO SREDNJE OKOMITE OSE
WINDOW VERTICAL PIVOT OPENING



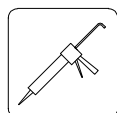
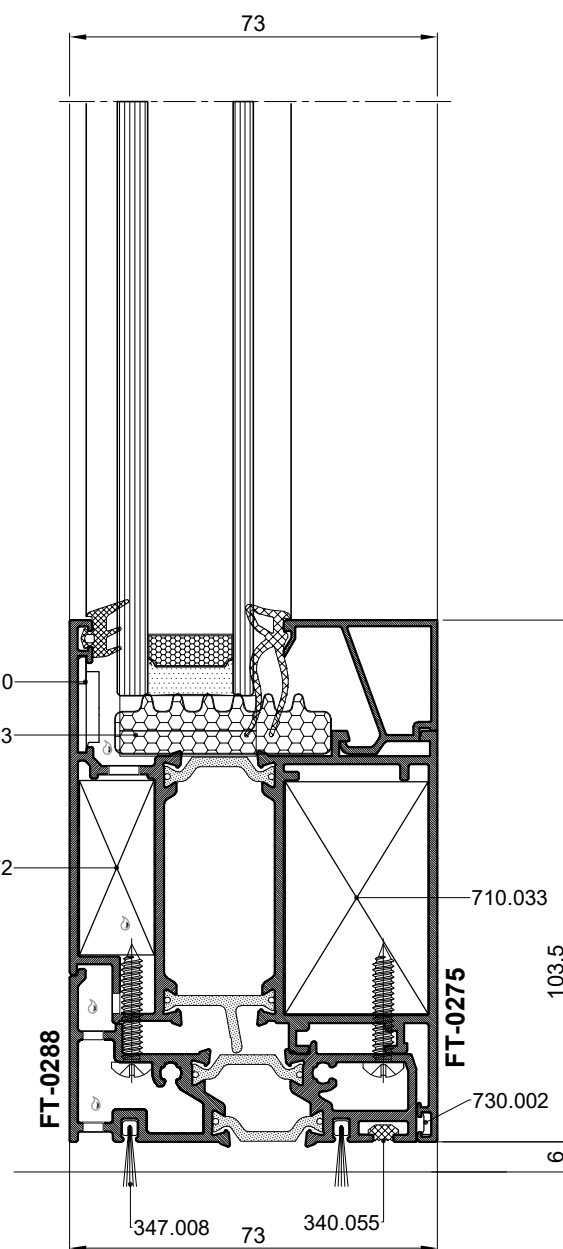
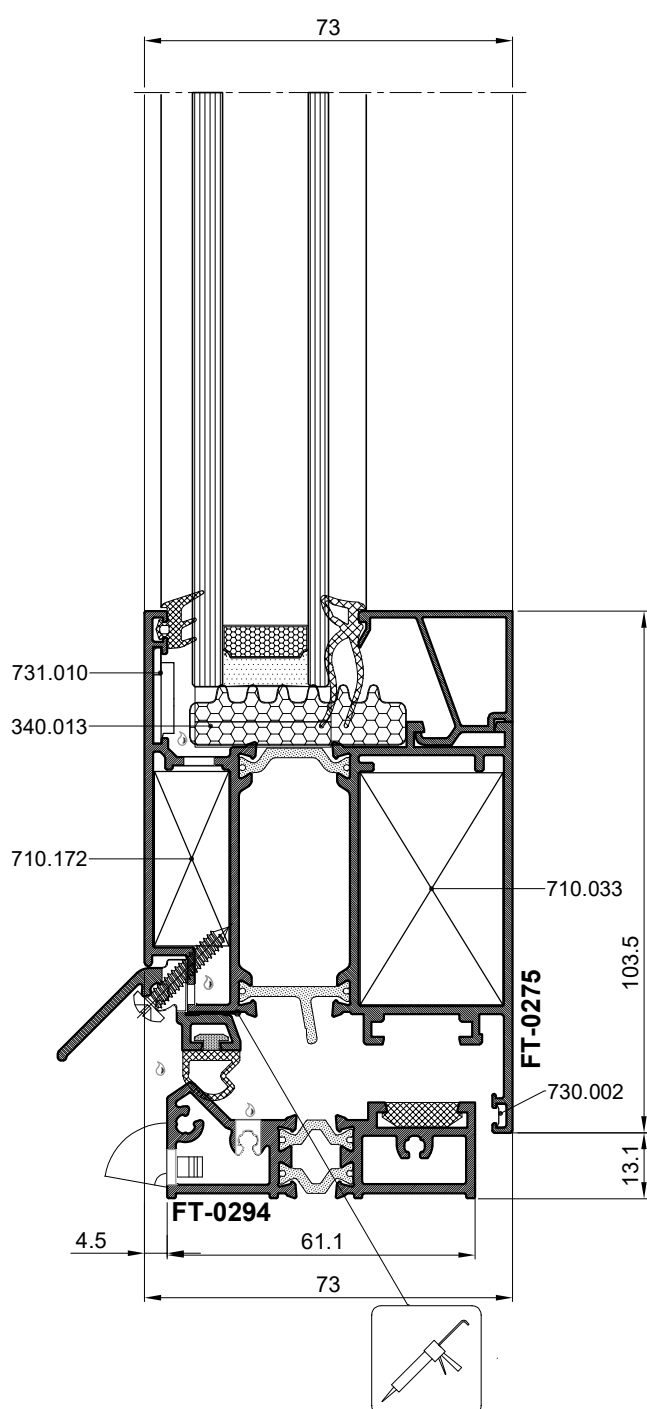
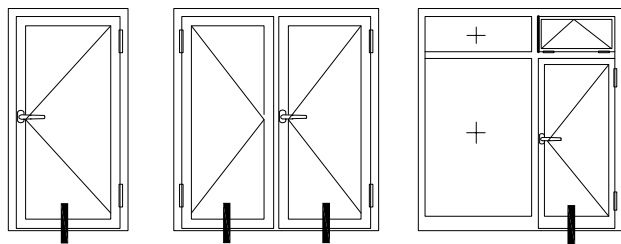




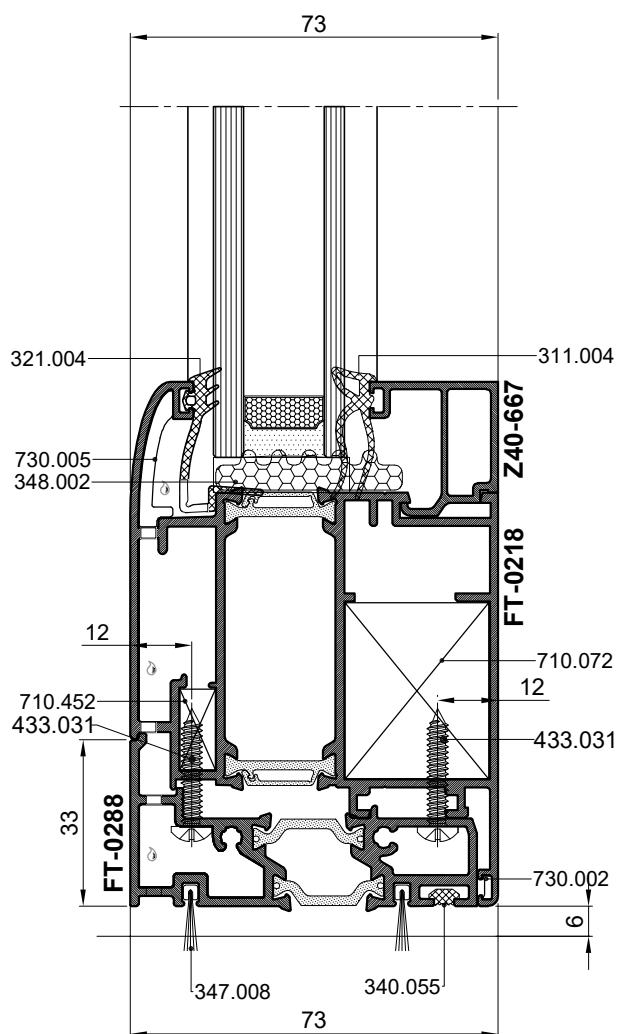
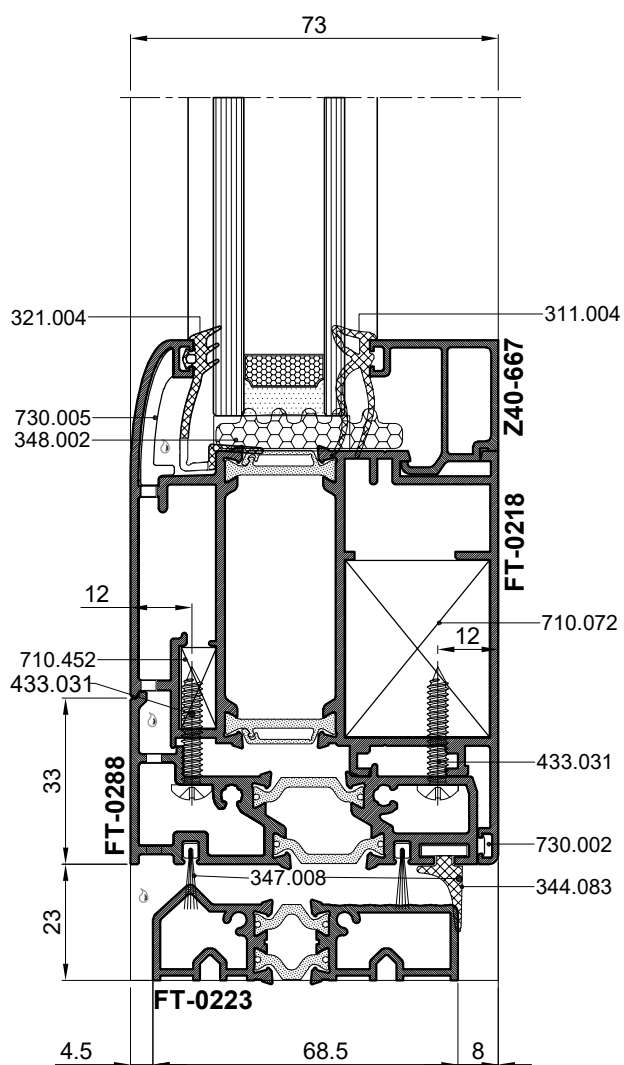
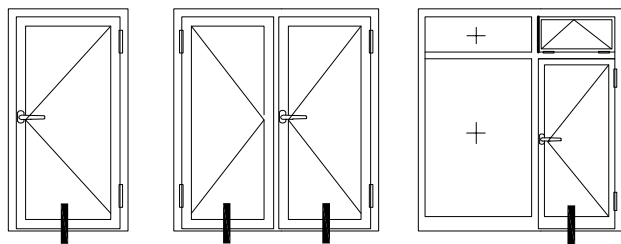


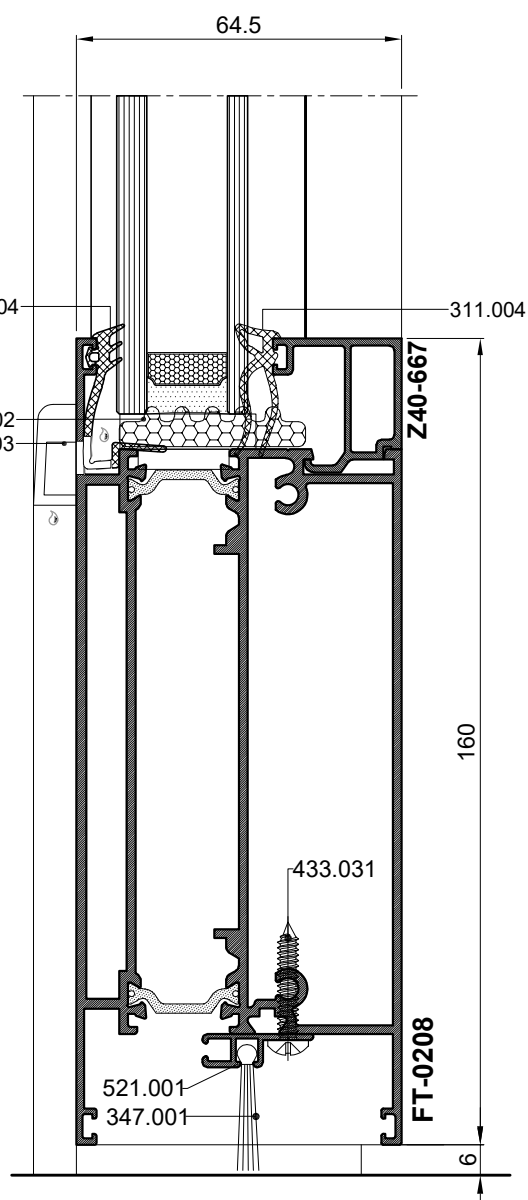
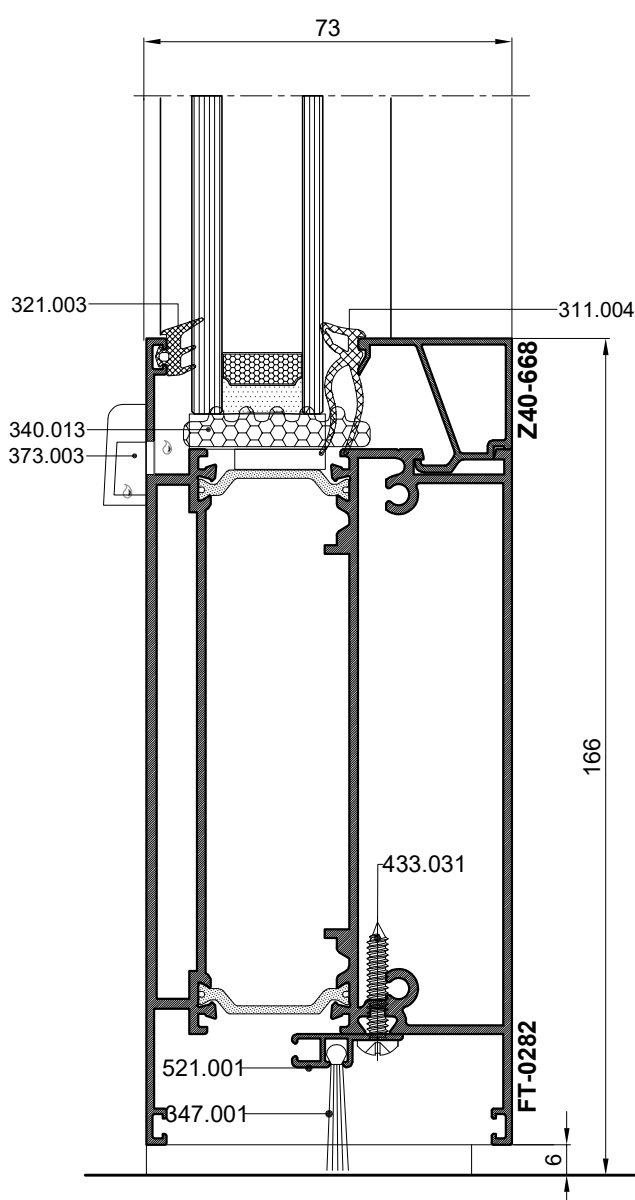
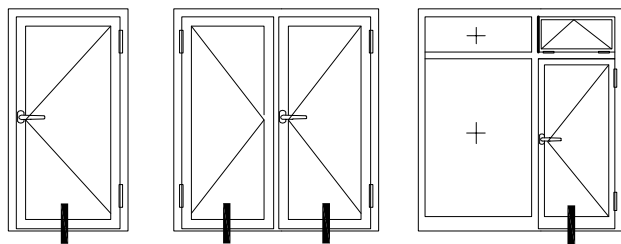


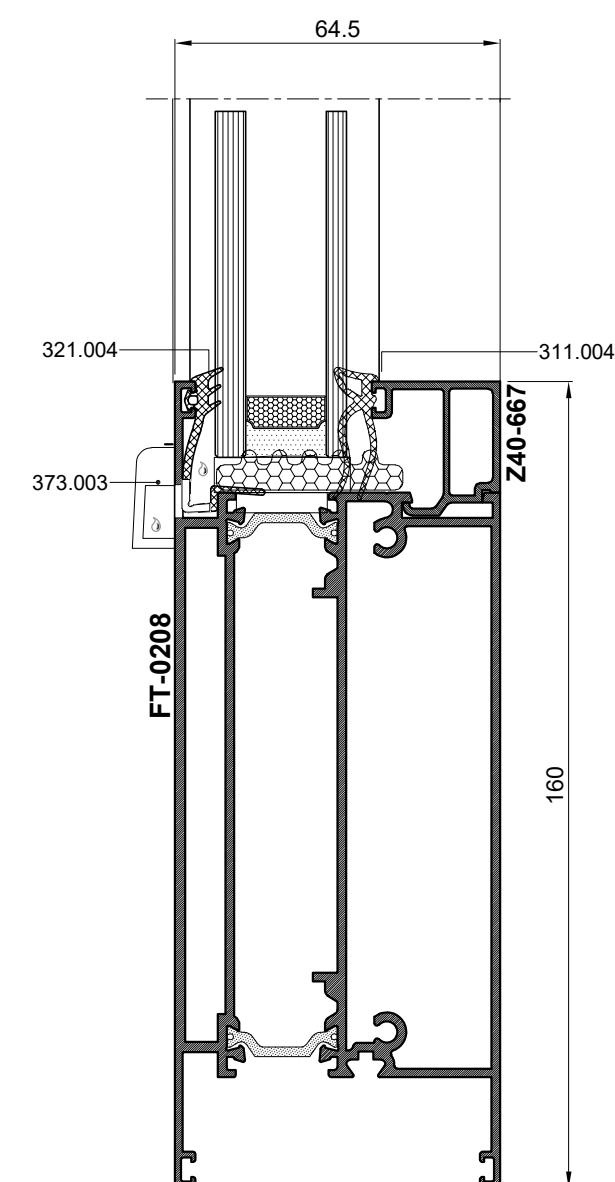
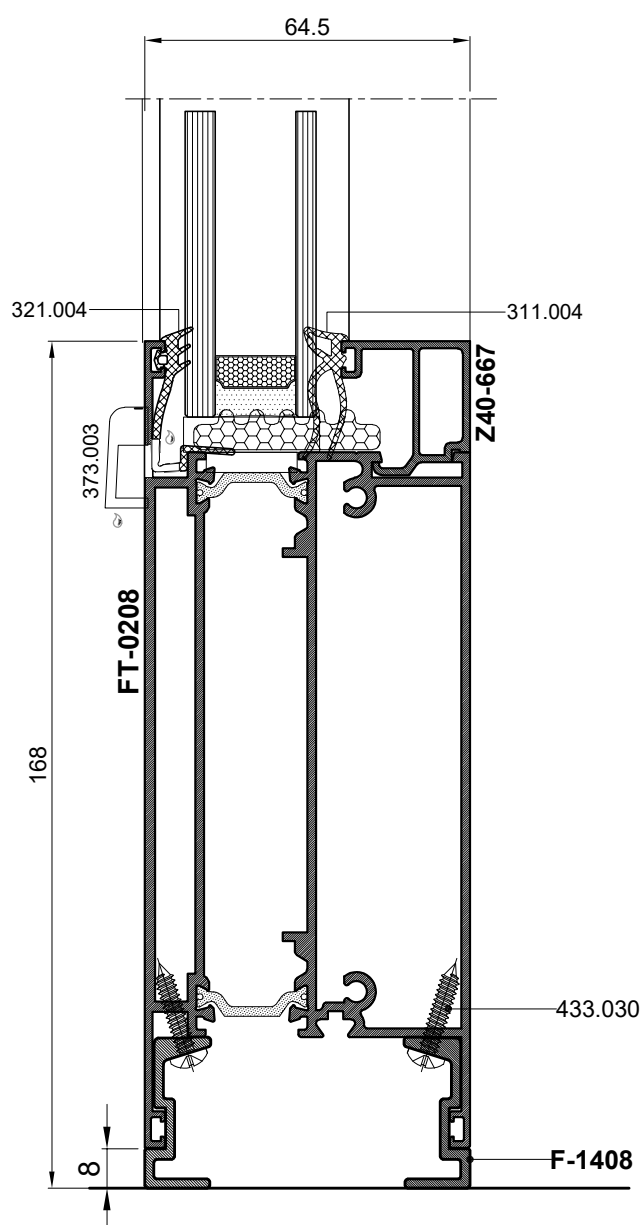
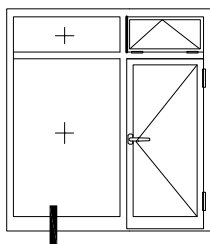
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

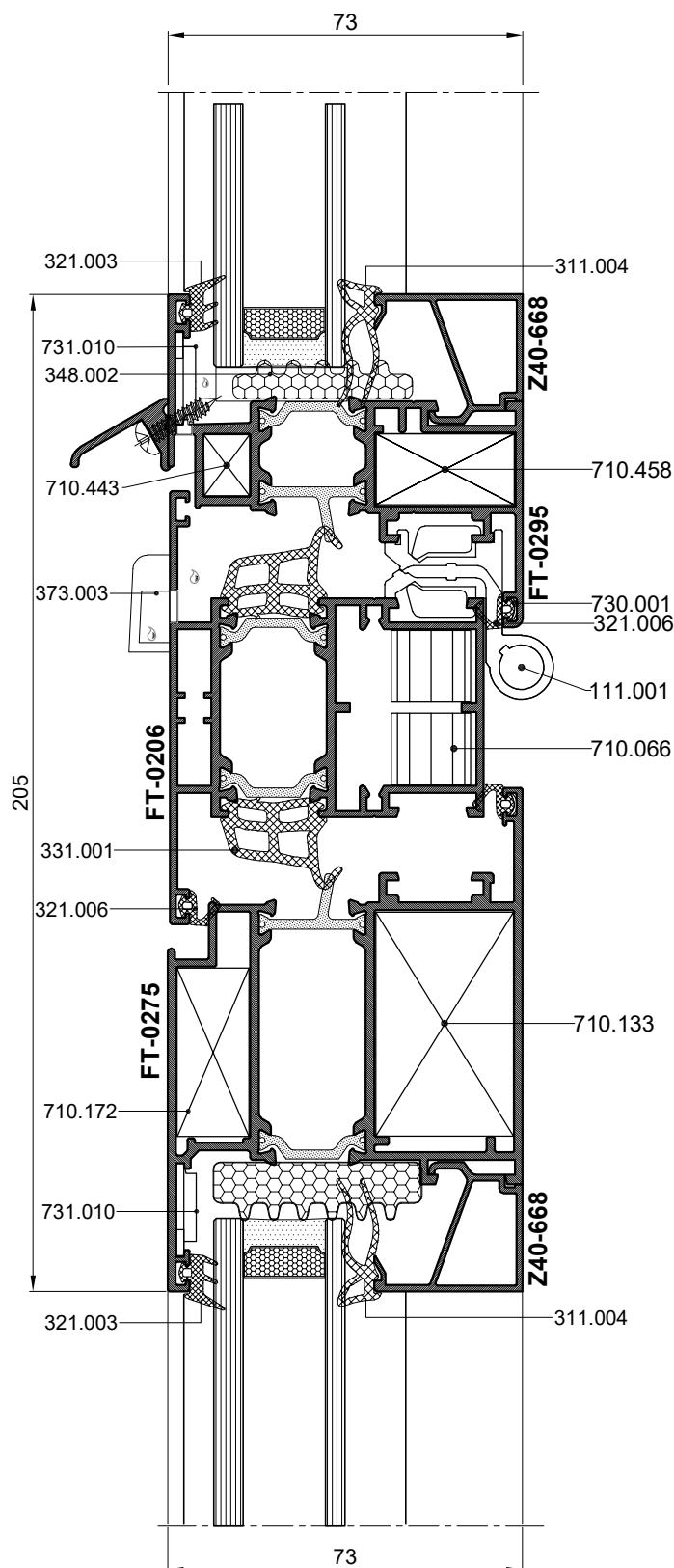
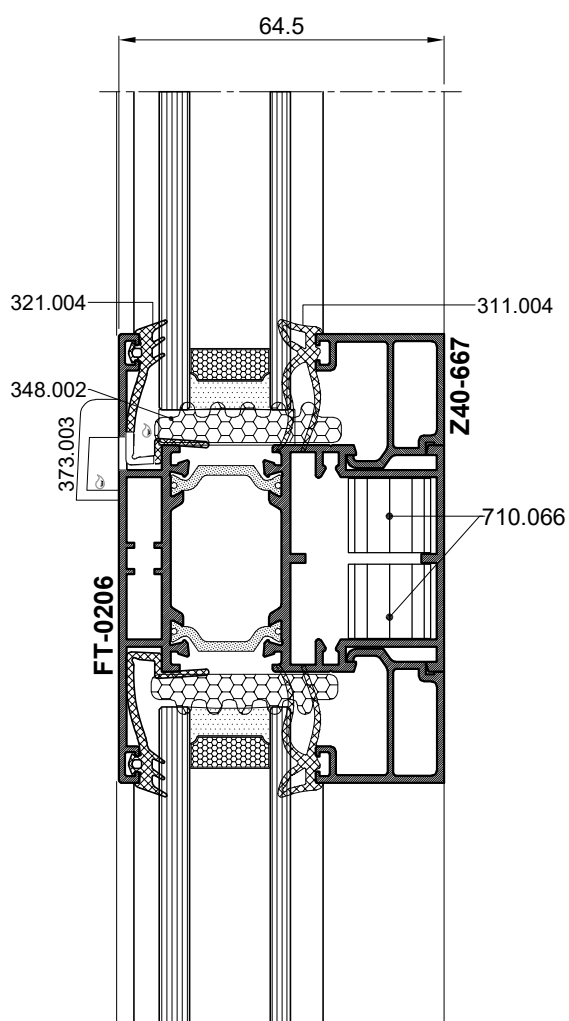
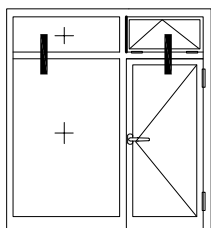


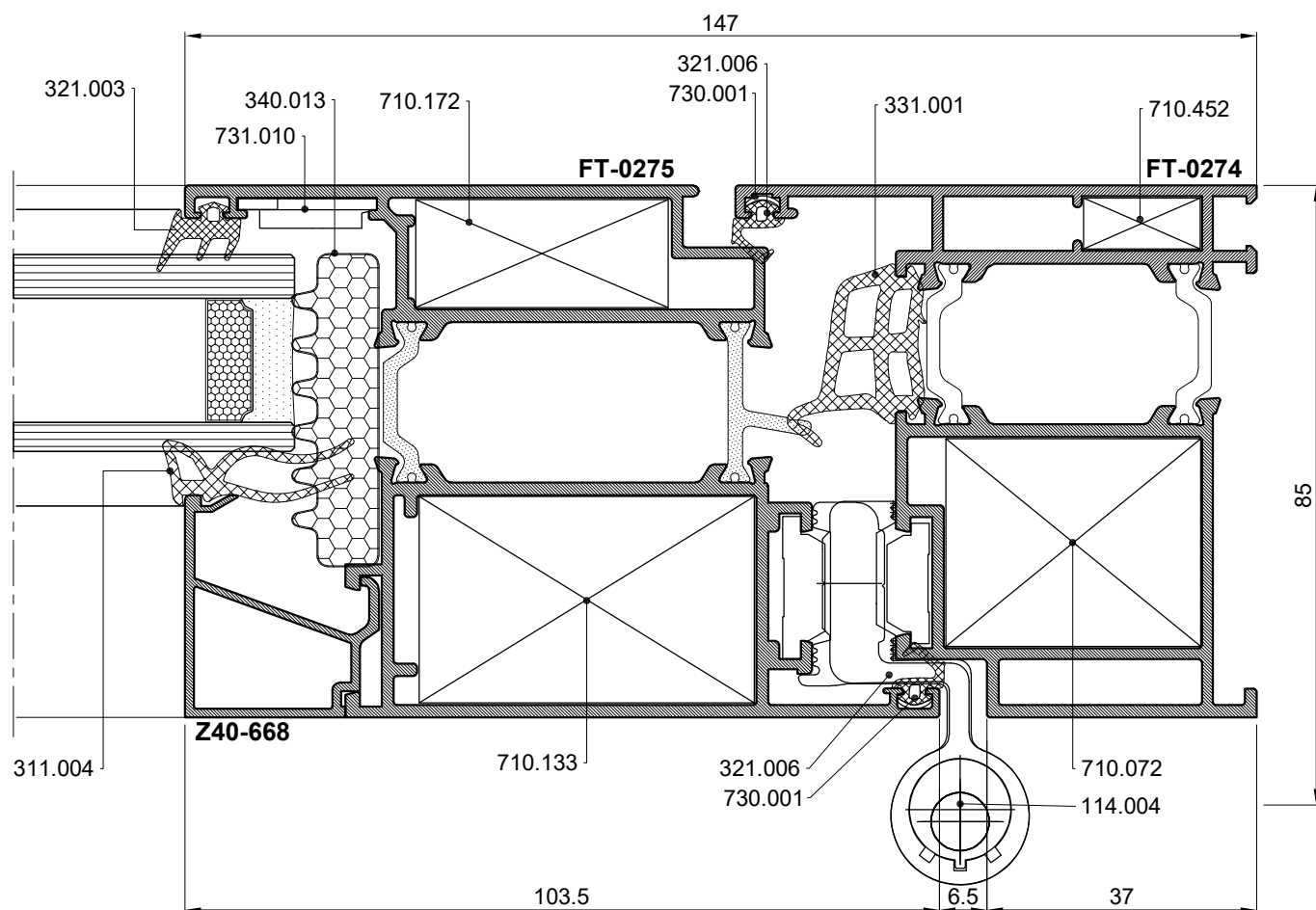
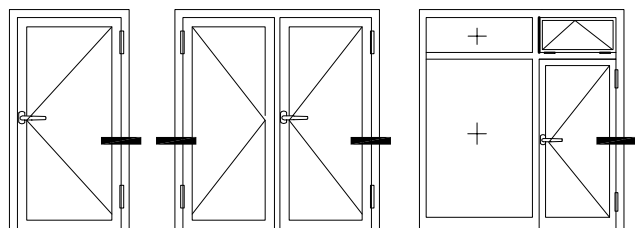
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

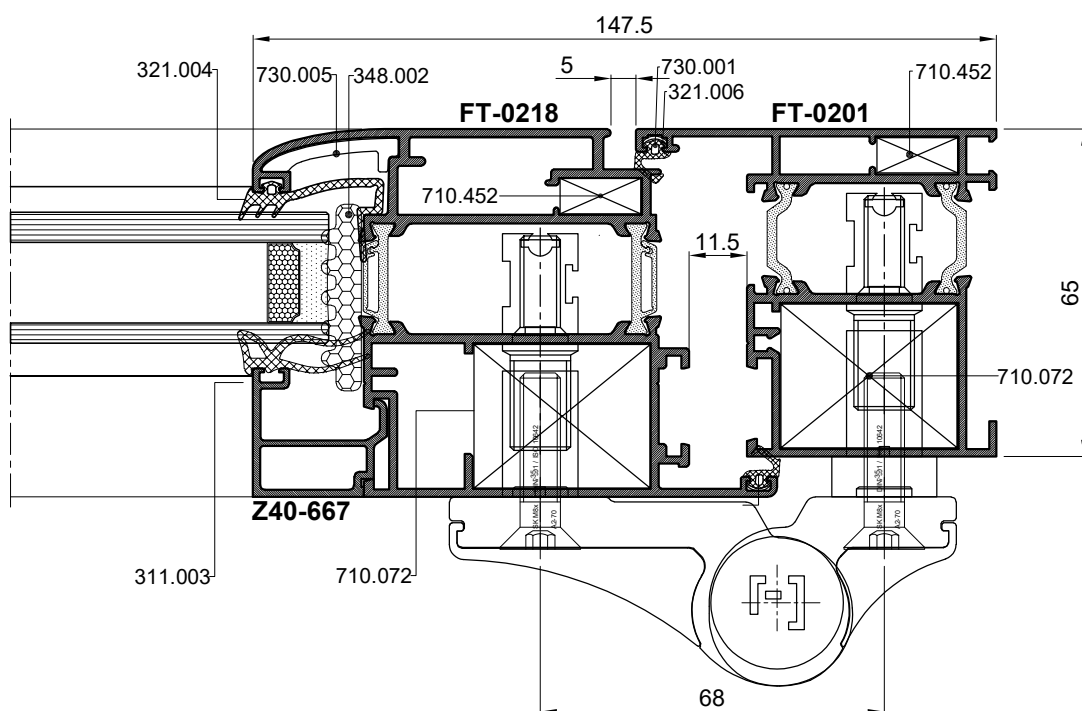
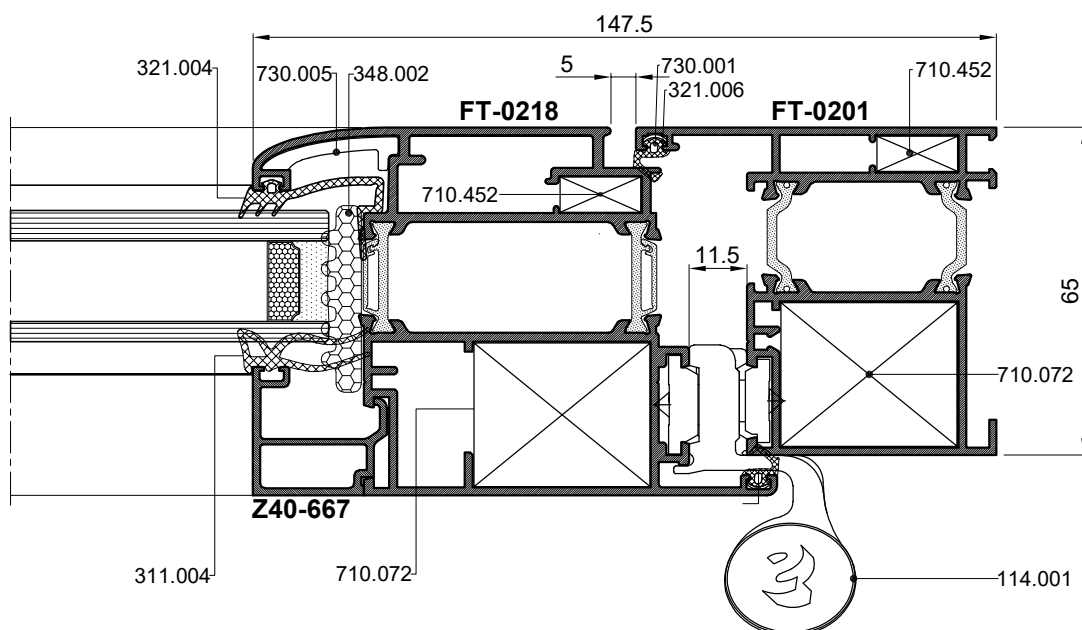
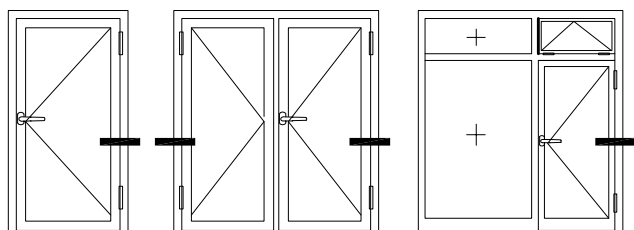


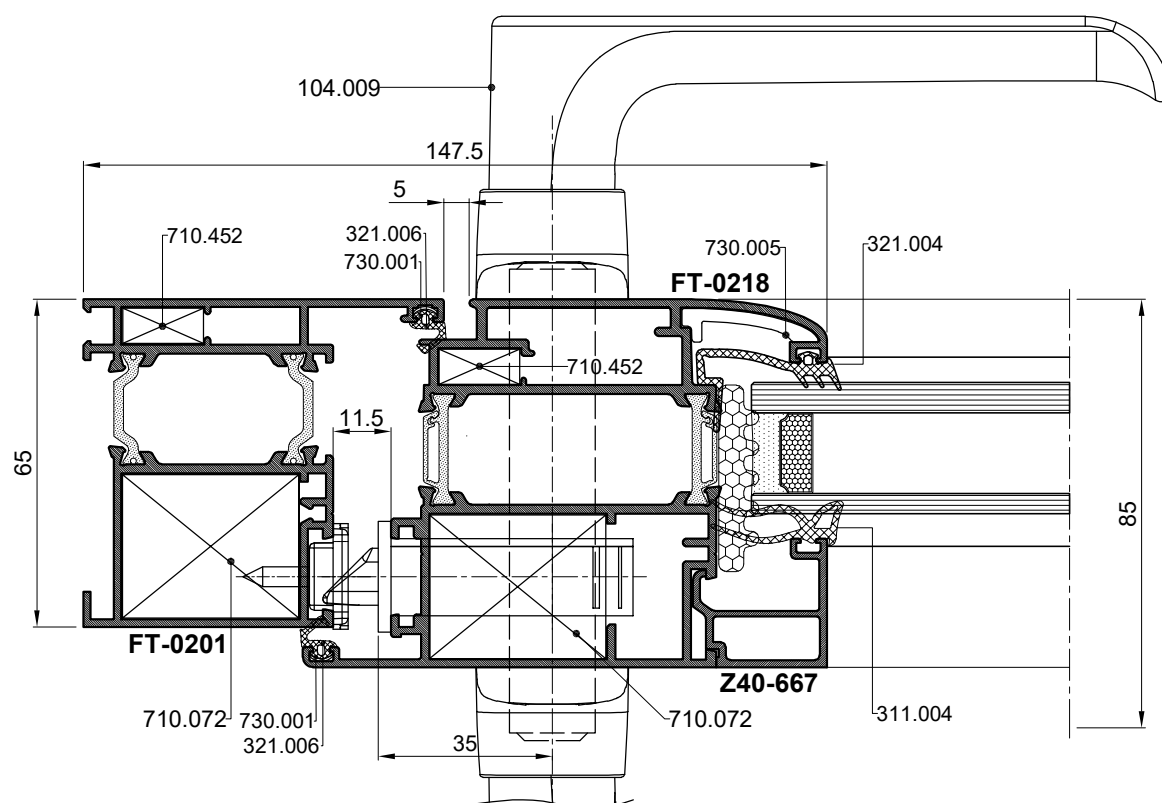
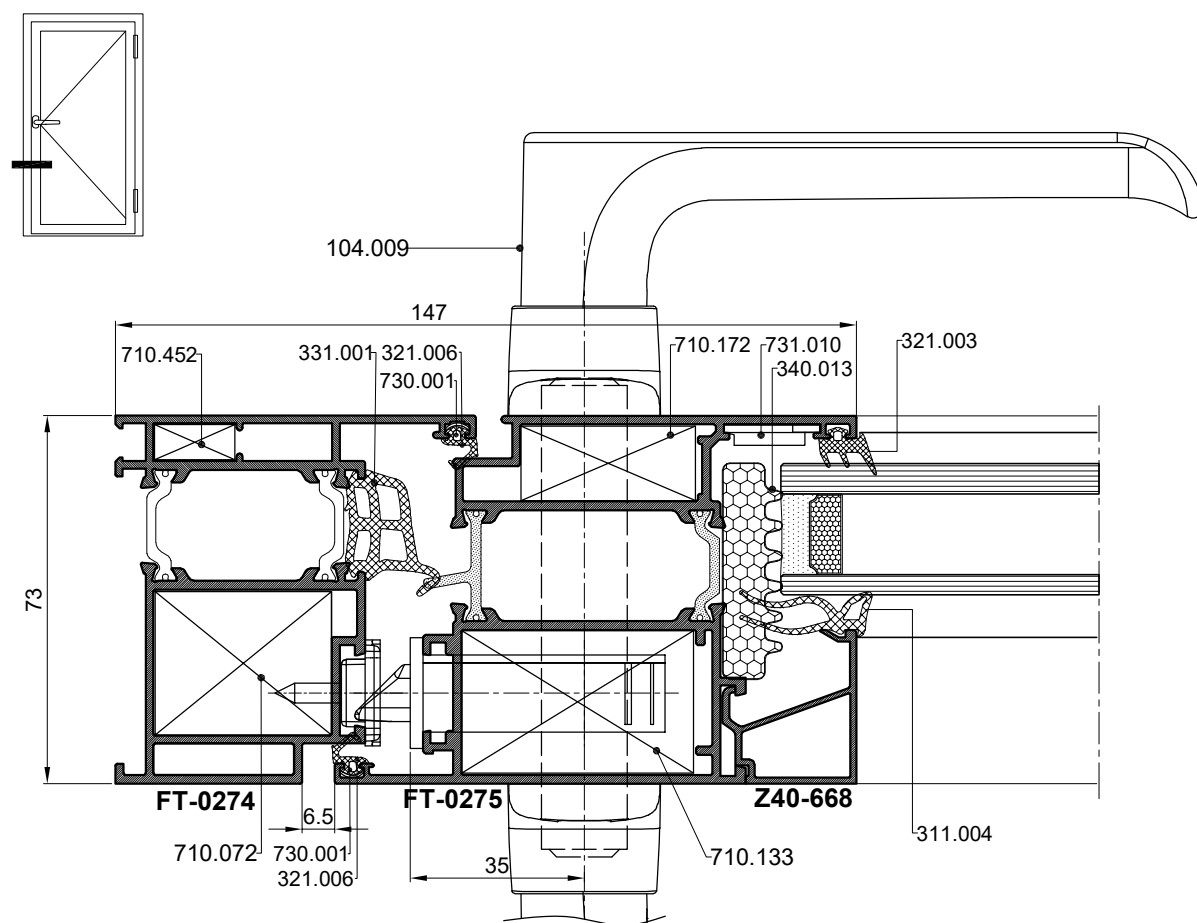


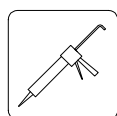
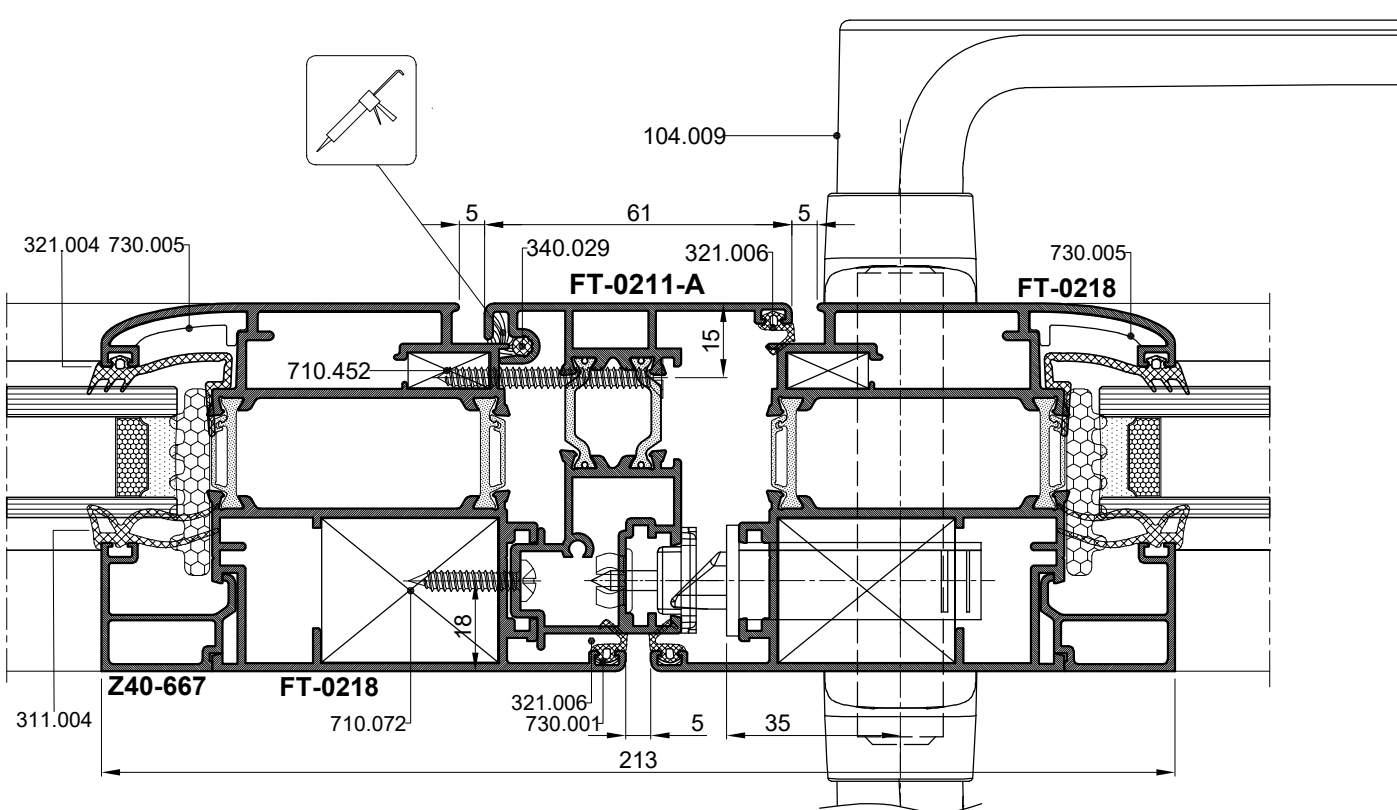
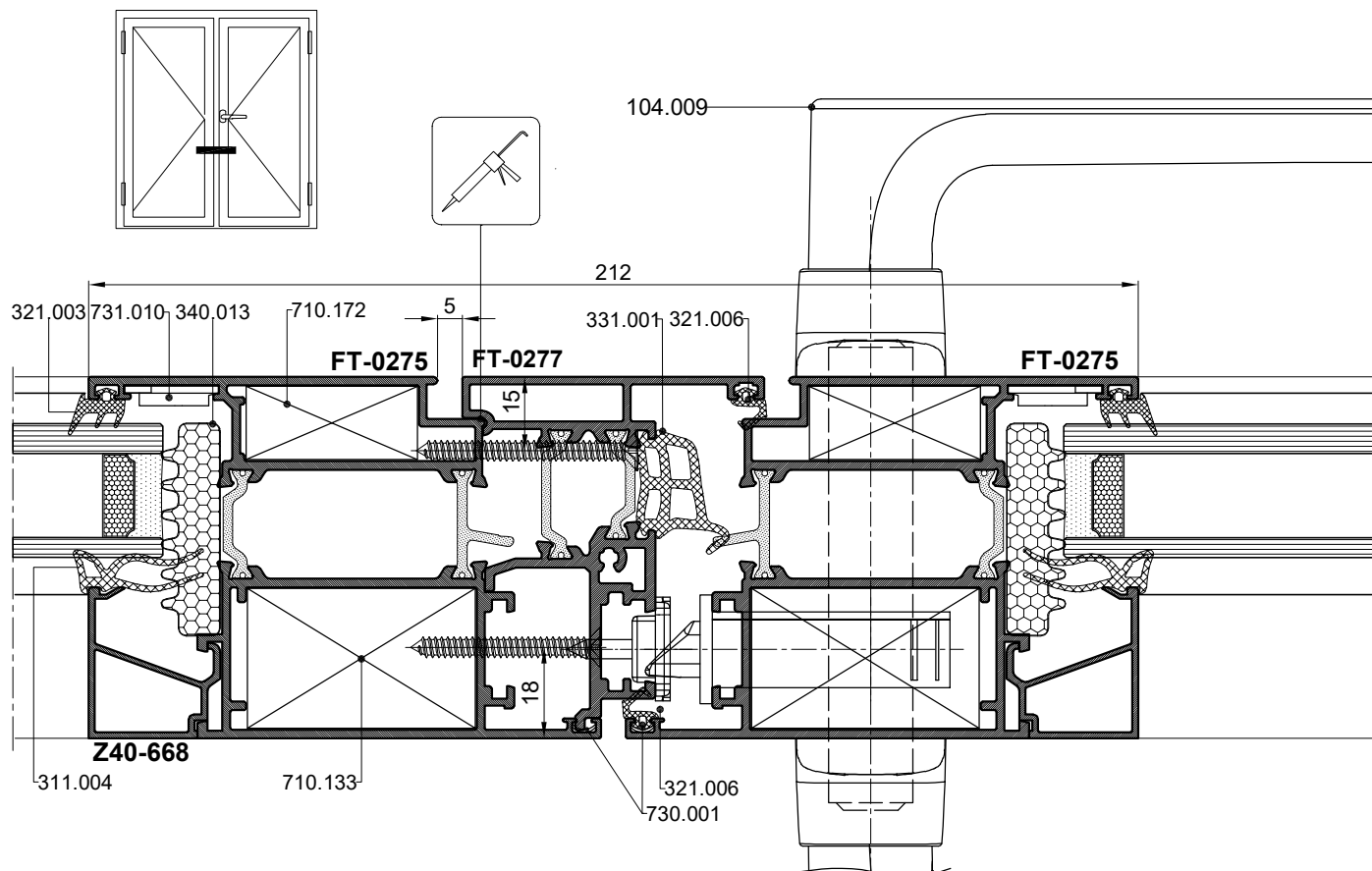




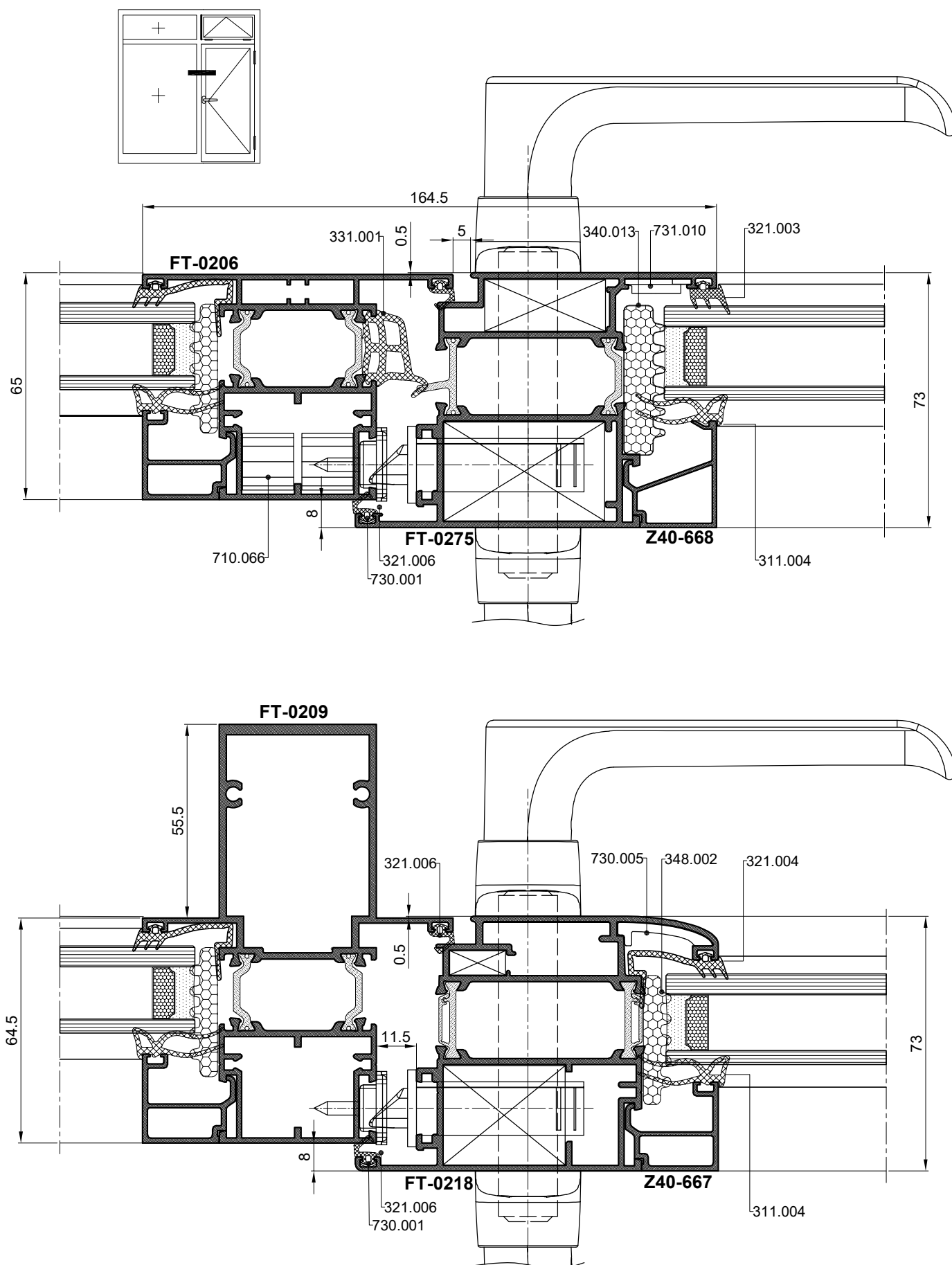




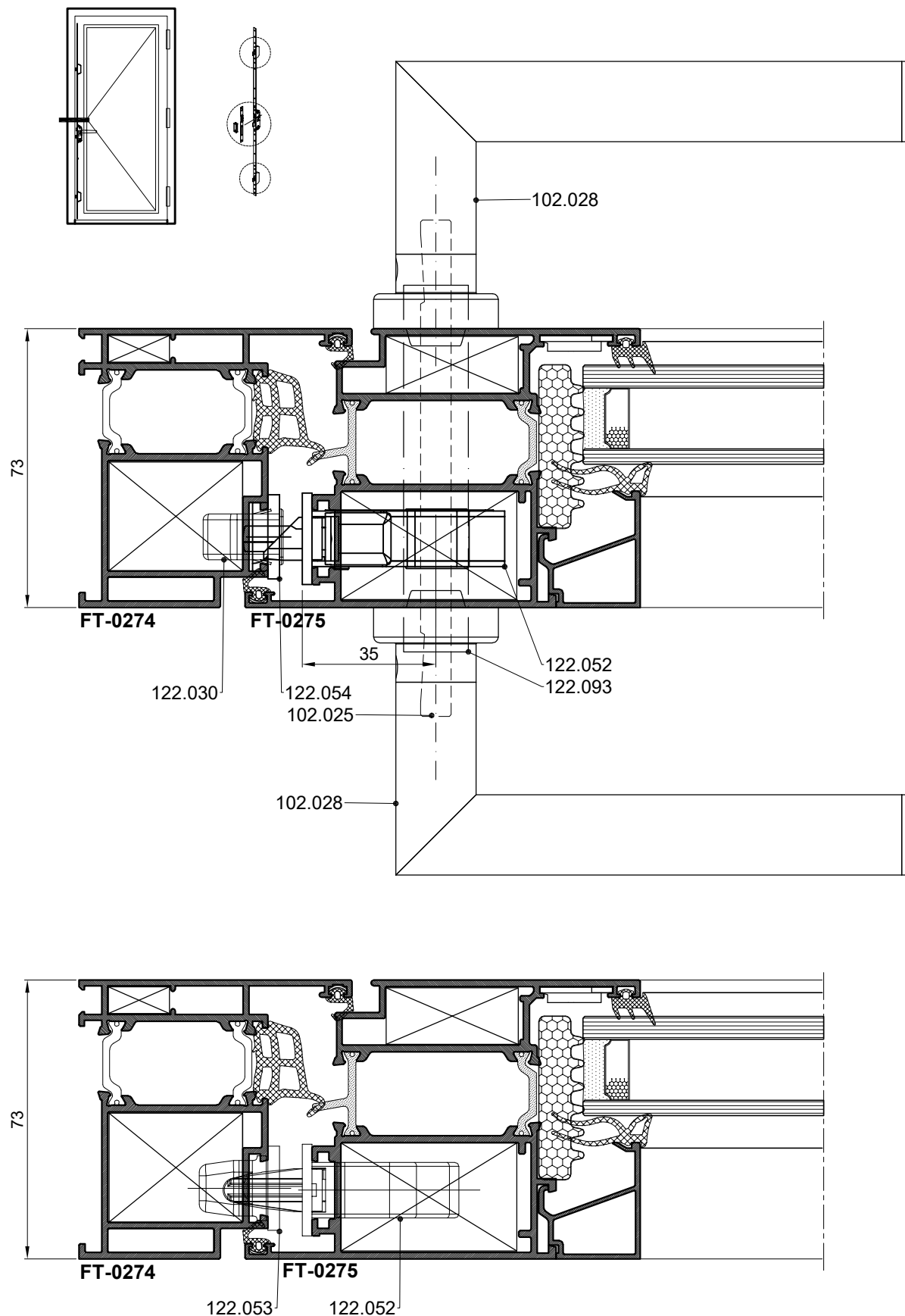




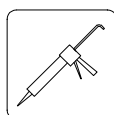
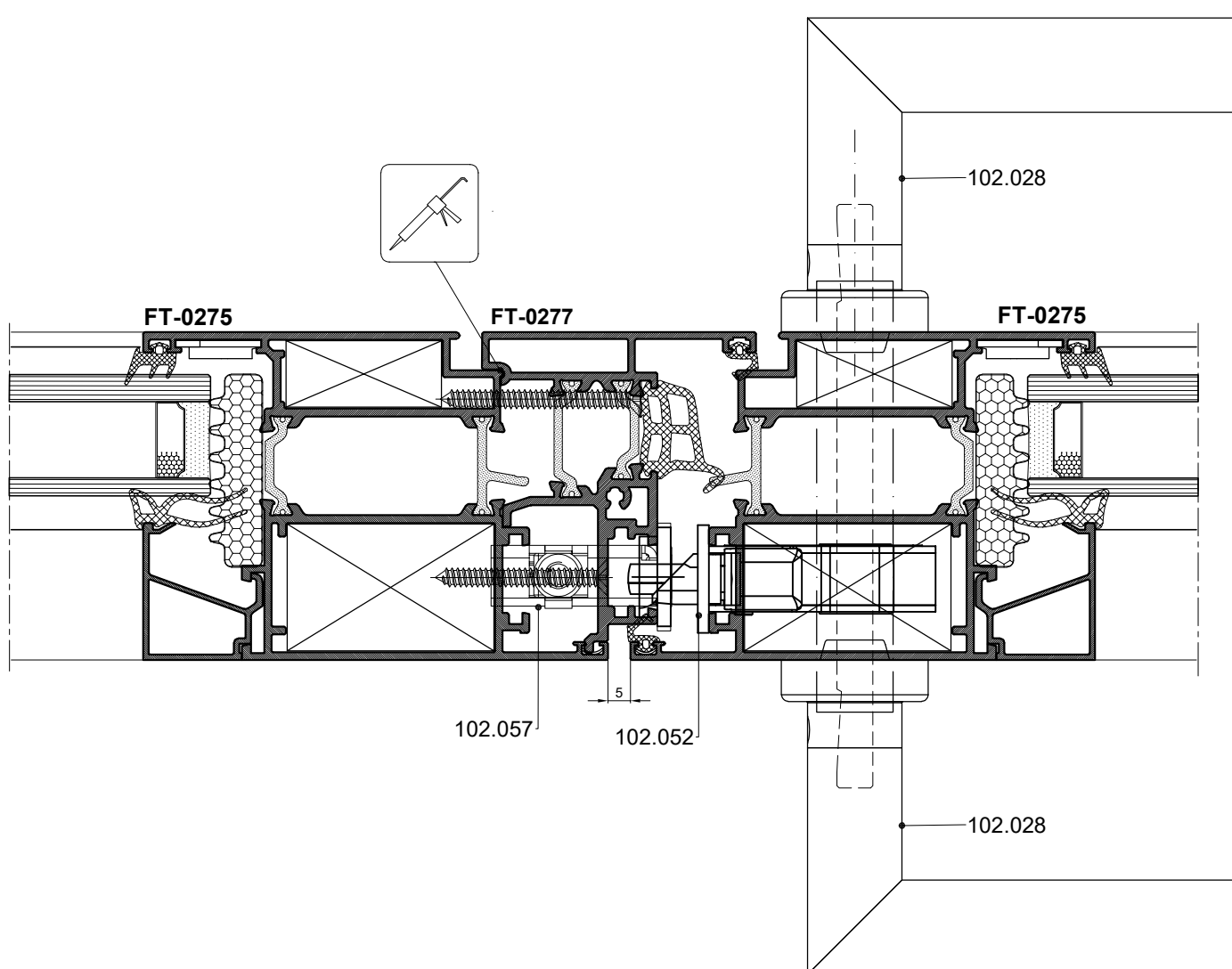
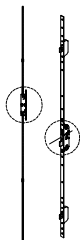
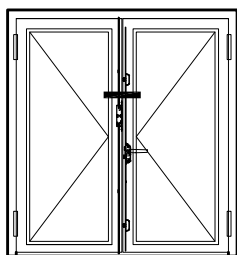
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)



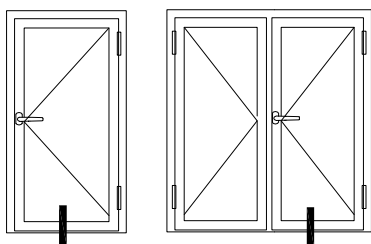
VRATA SA OBOSTRANOM OBLOGOM I SIG.BRAVOM 35 mm-MR2 (GU)
DOOR WITH BOTH SIDES AND SIG.LOCK 35 mm-MR2 (GU)



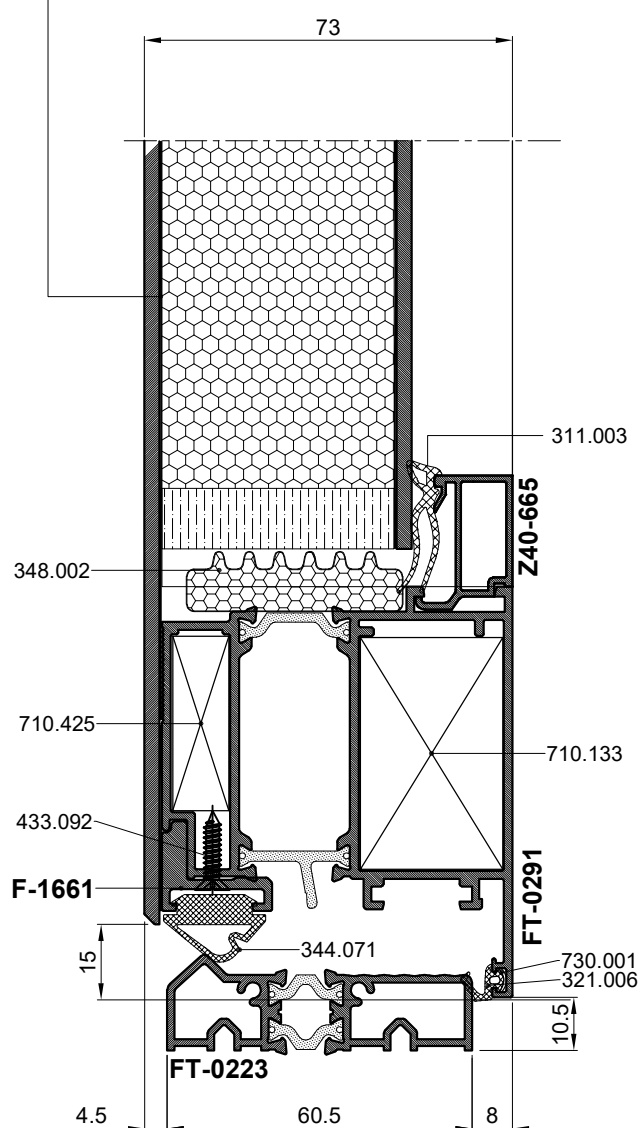
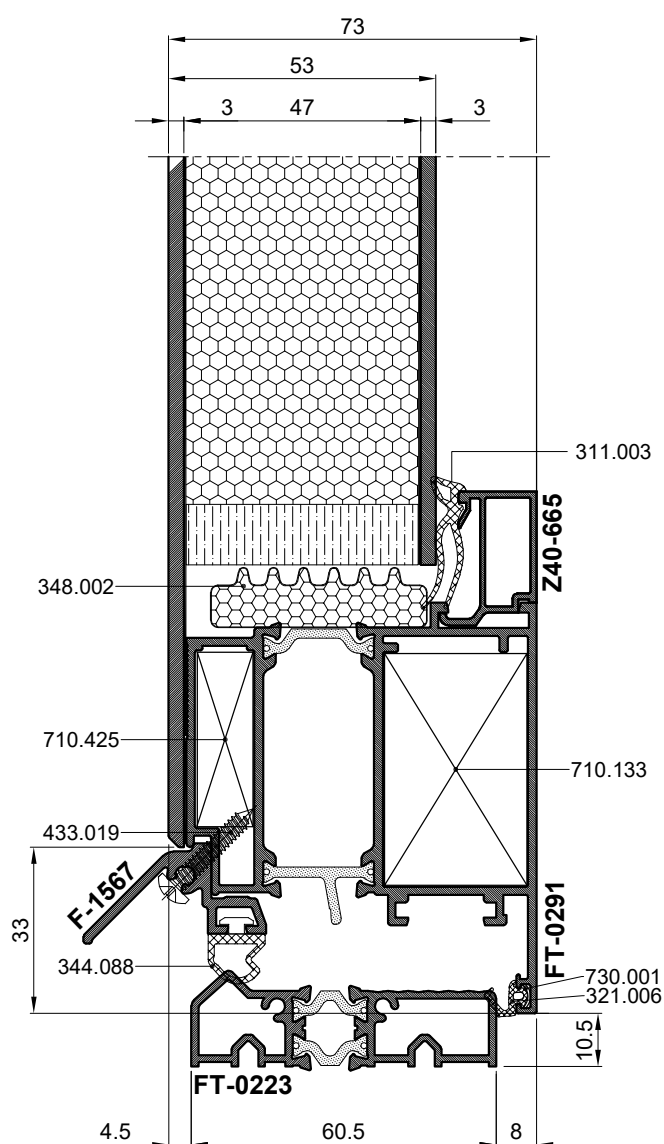
VRATA SA OBOSTRANOM OBLOGOM I SIG.BRAVOM 35 mm-MR2 (GU)
DOOR WITH BOTH SIDES AND SIG.LOCK 35 mm-MR2 (GU)

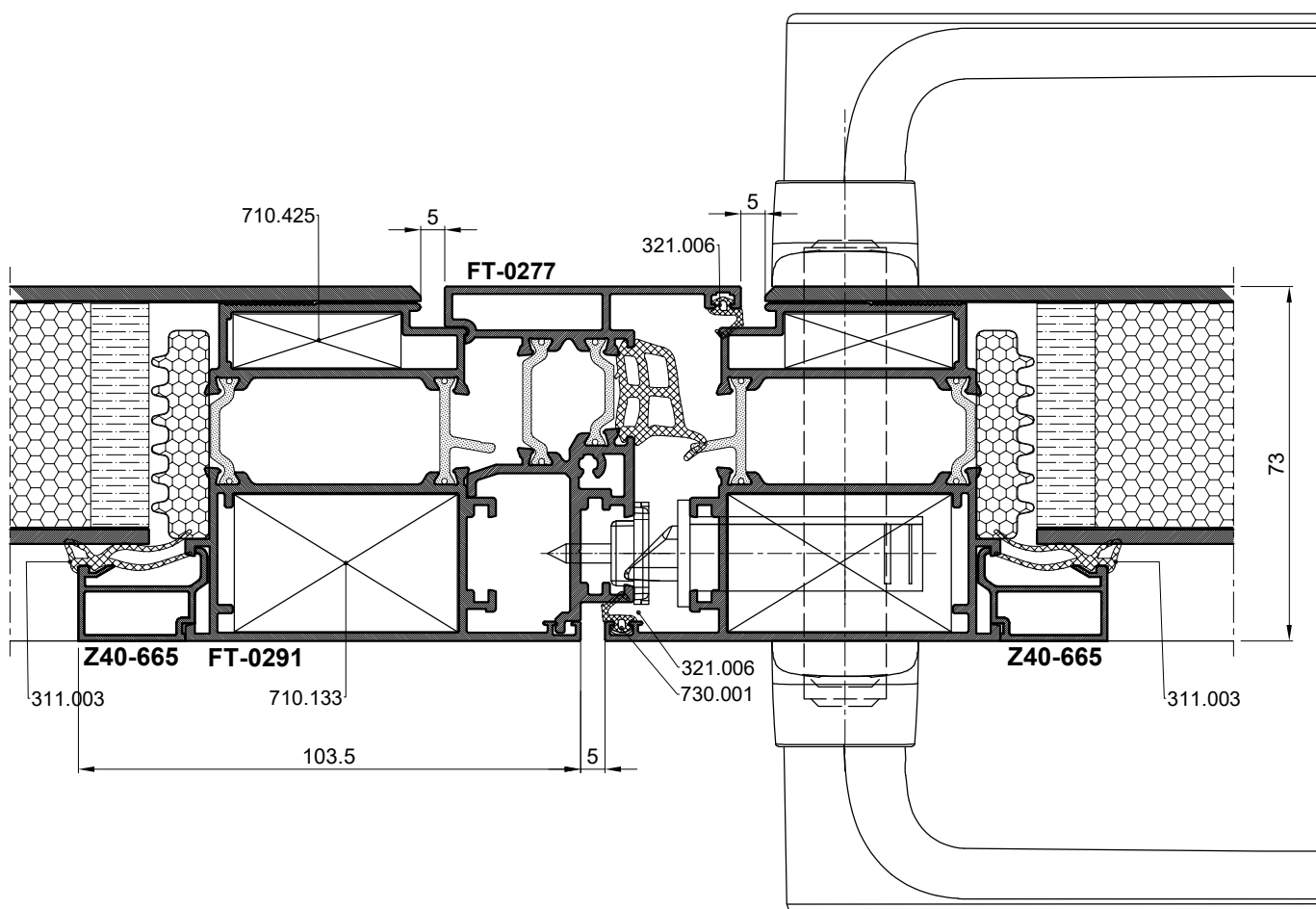
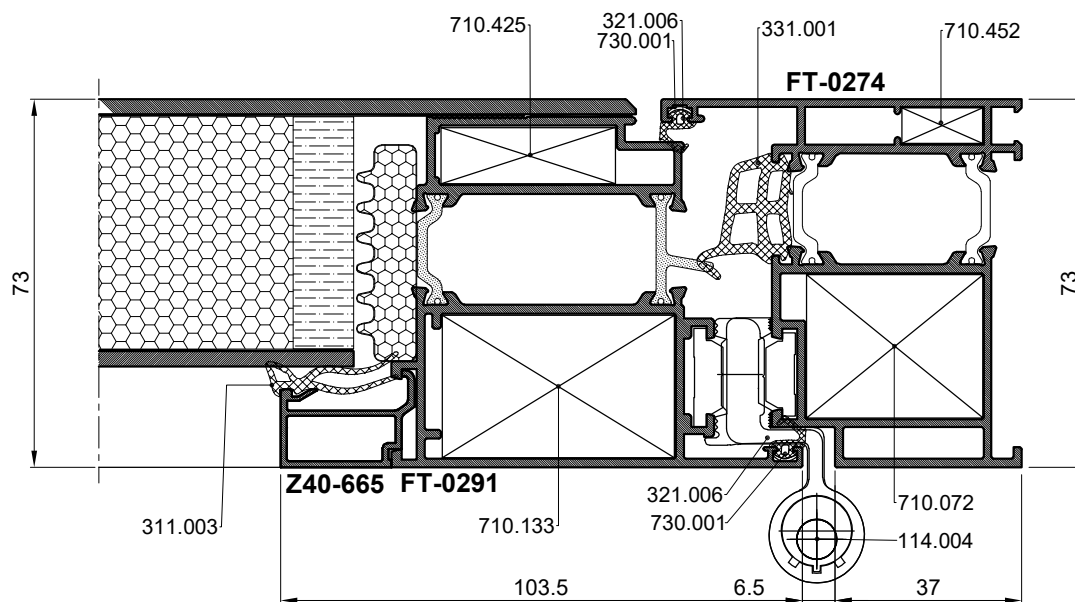
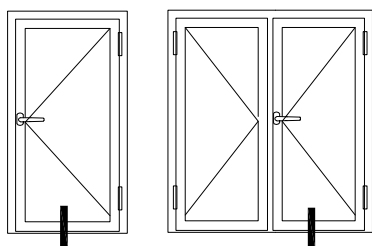


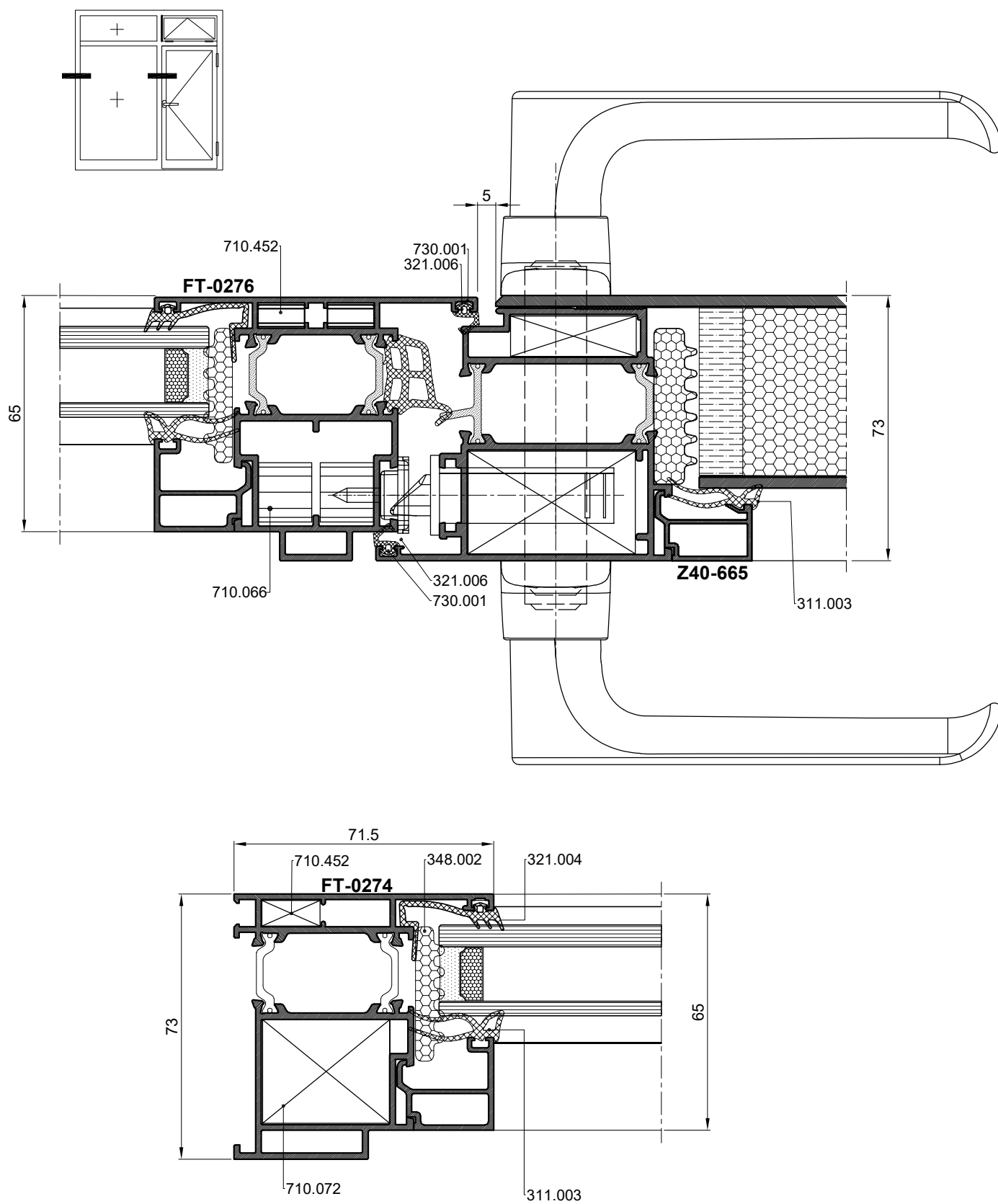
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

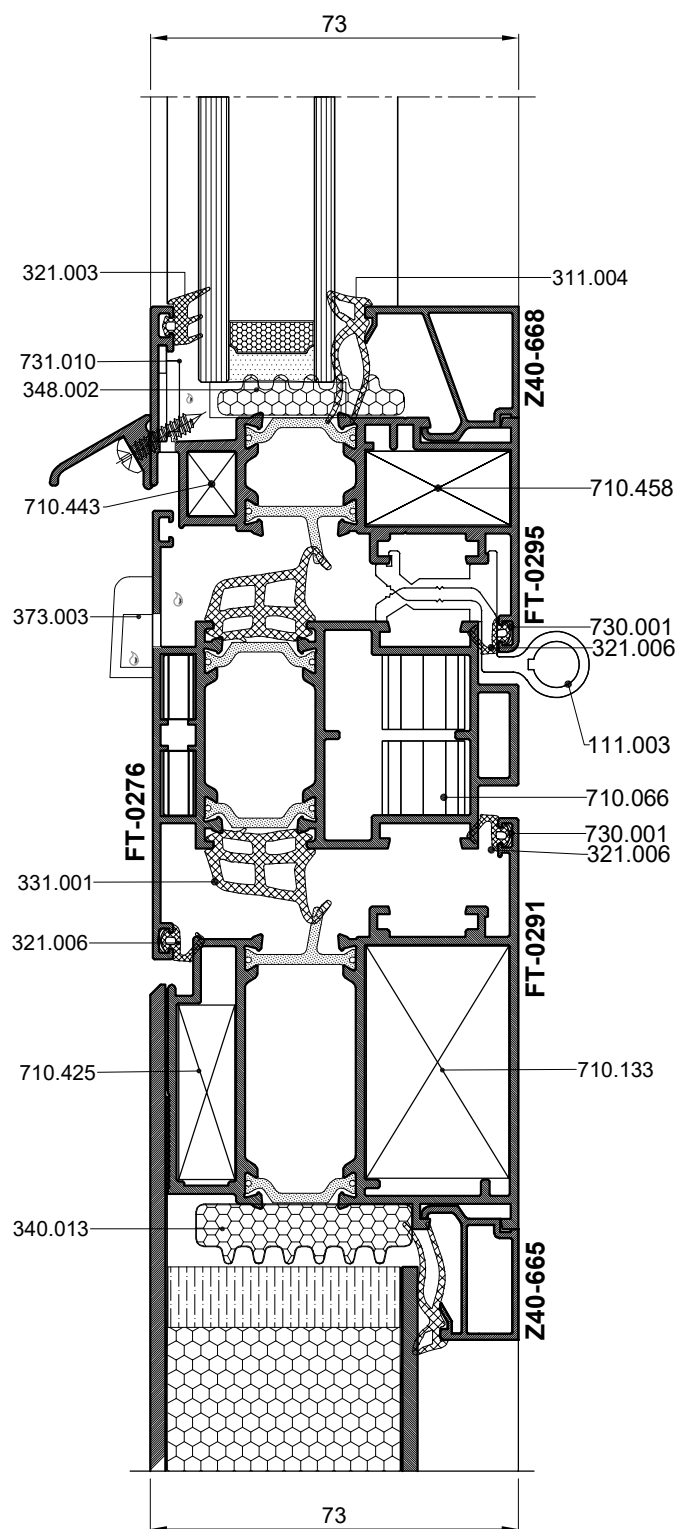
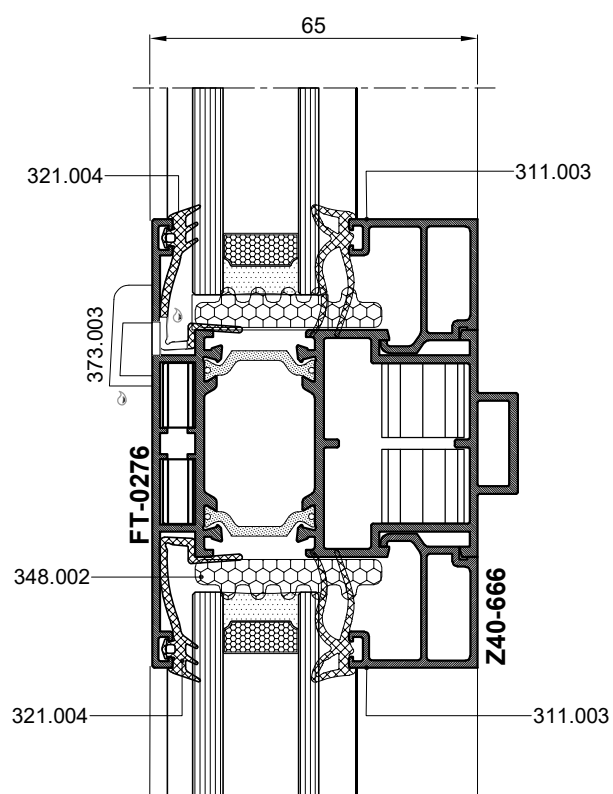
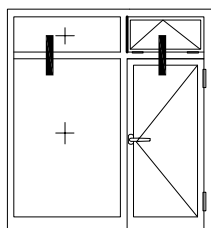


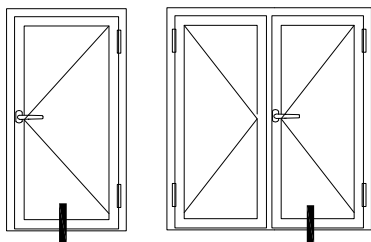
Terostat T-8519-primer-414.001
 Terostat MS 9399 (Loctite)-ljepilo-414.002
 Terostat T-8519P-primer-414.001
 Terostat MS 9399 (Loctite)-adhesive-414.002





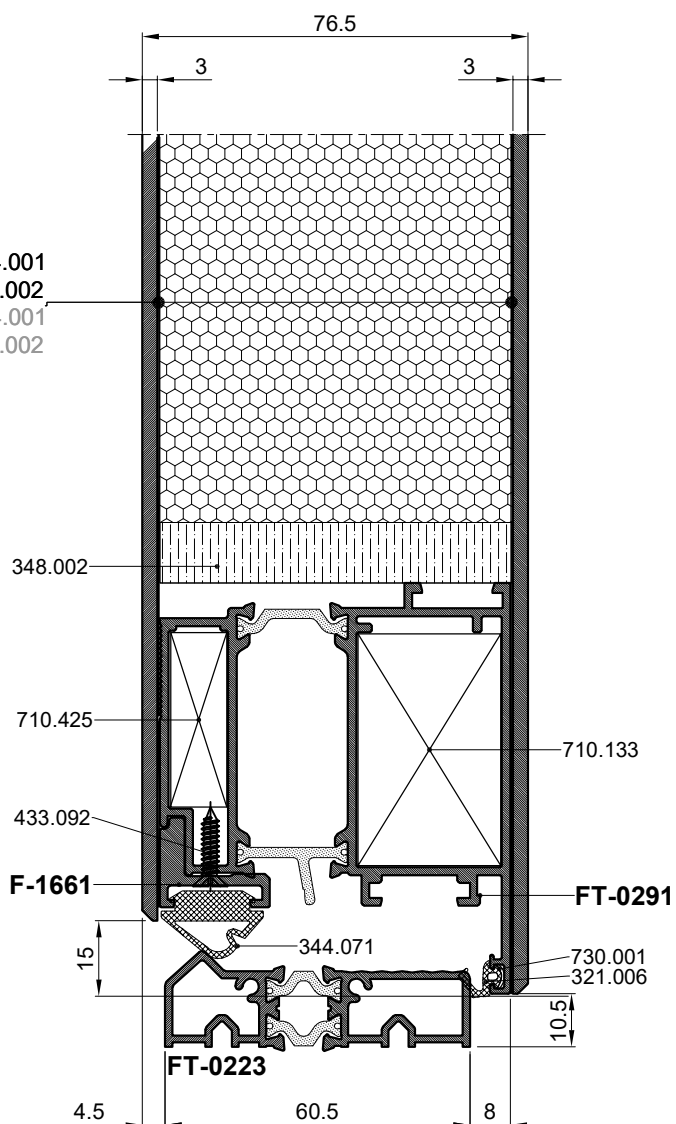


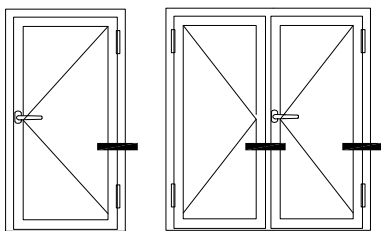




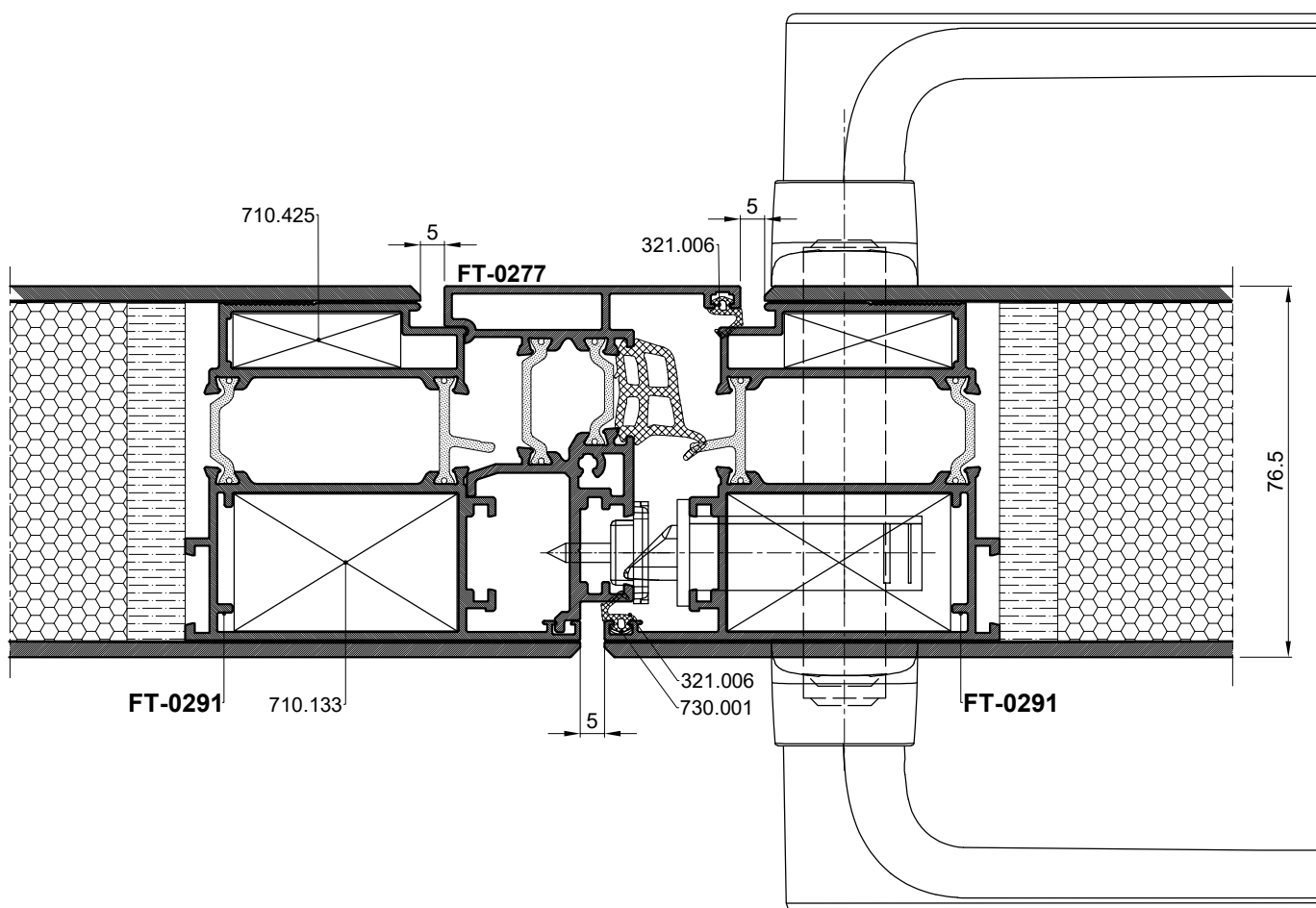
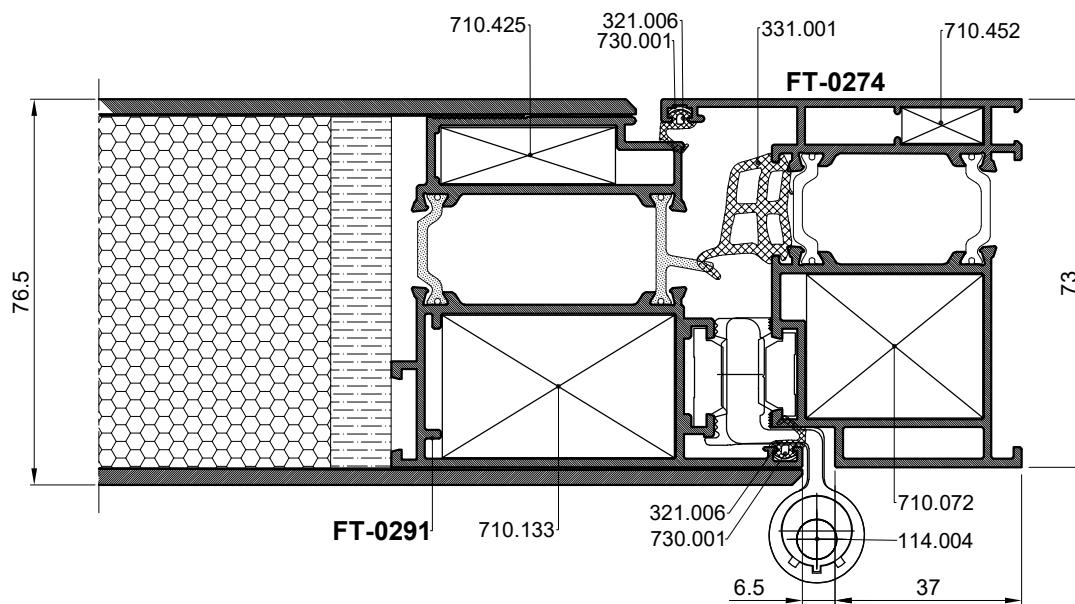
VRATA SA OBOSTRANOM OBLOGOM
DOOR WITH DOUBLE-SIDED LINING

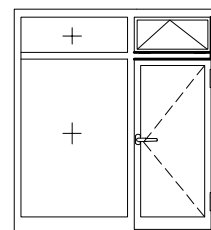
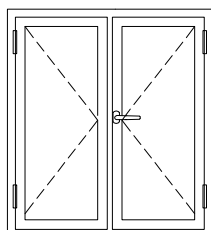
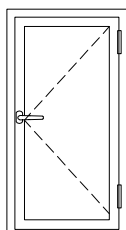
Terostat T-8519-primer-414.001
Terostat MS 9399 (Loctite)-ljepilo-414.002
Terostat T-8519P-primer-414.001
Terostat MS 9399 (Loctite)-adhesive-414.002

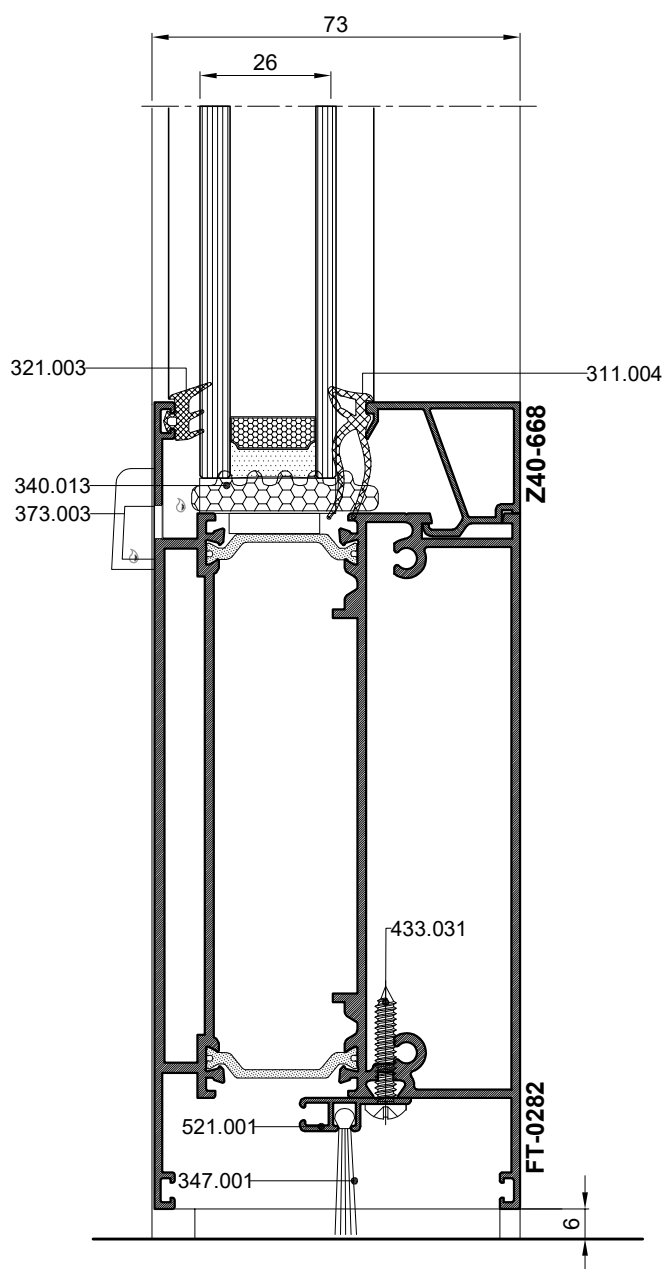
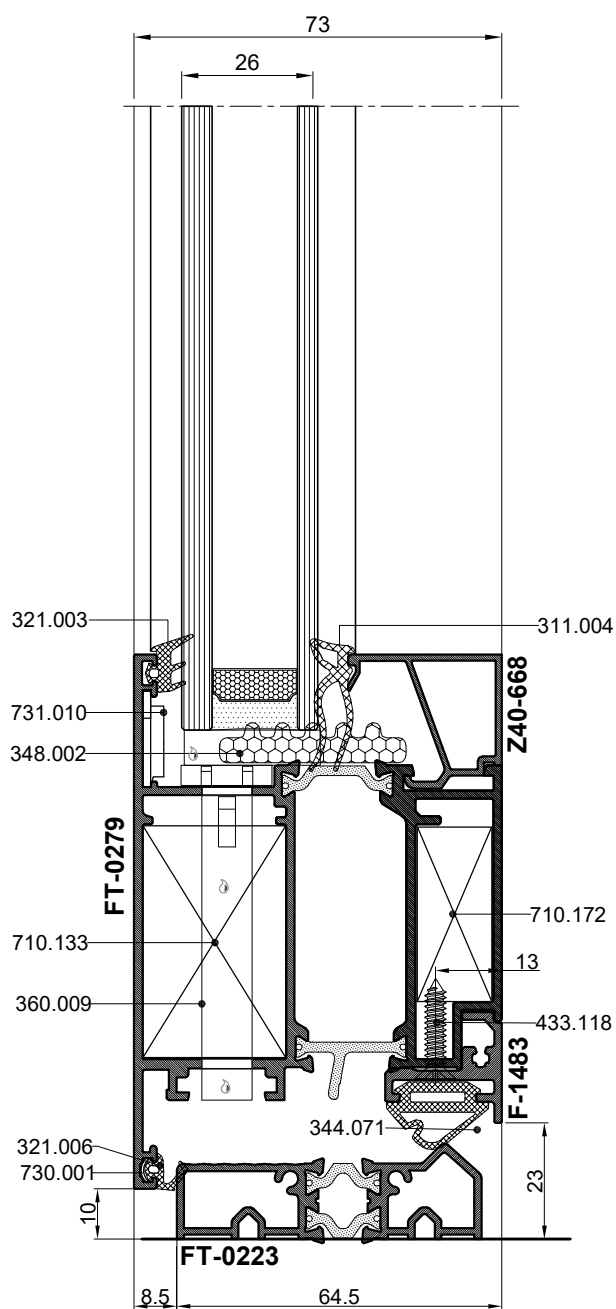
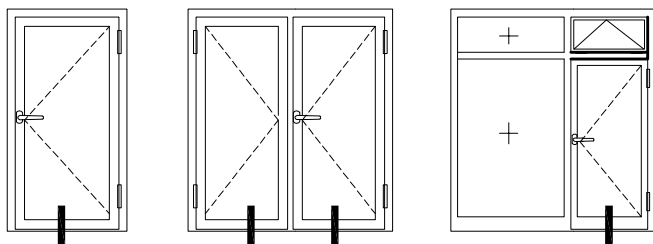


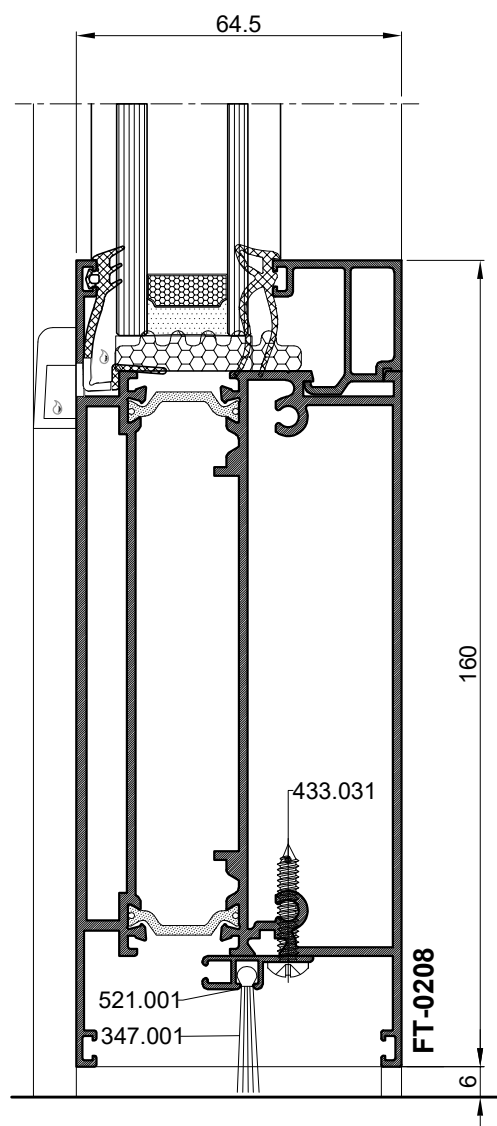
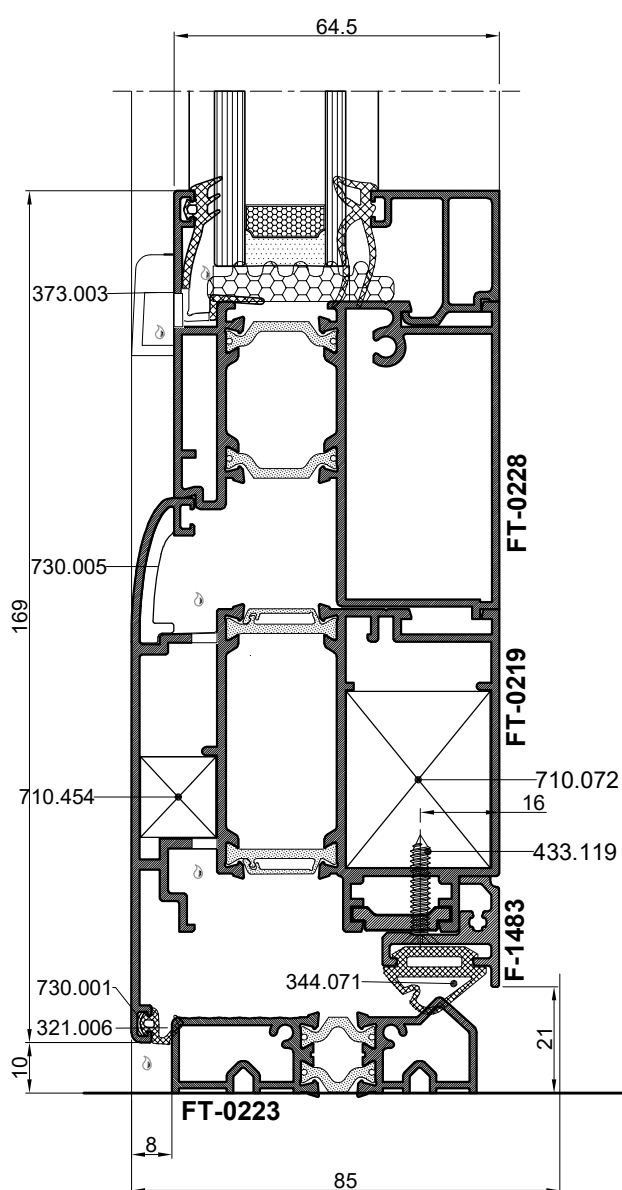
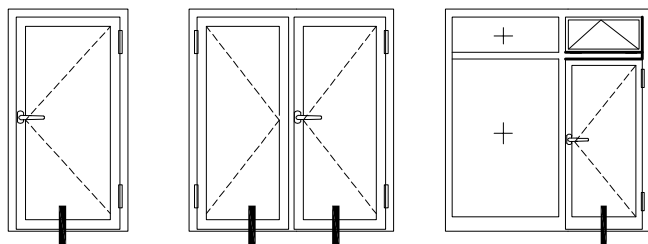


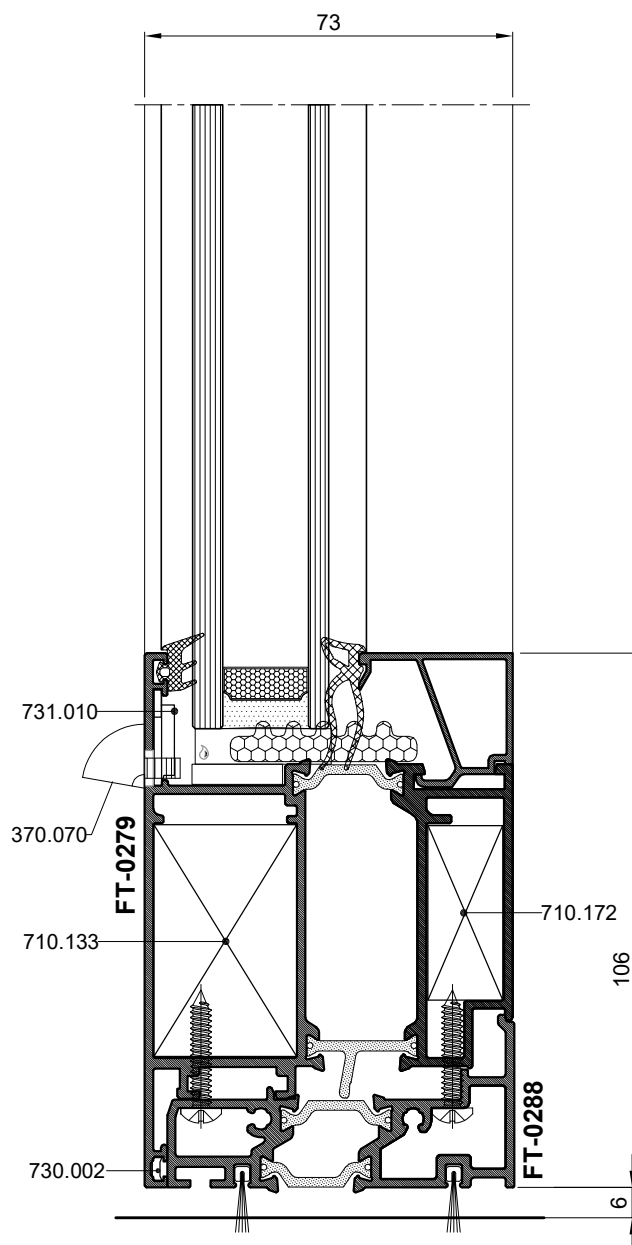
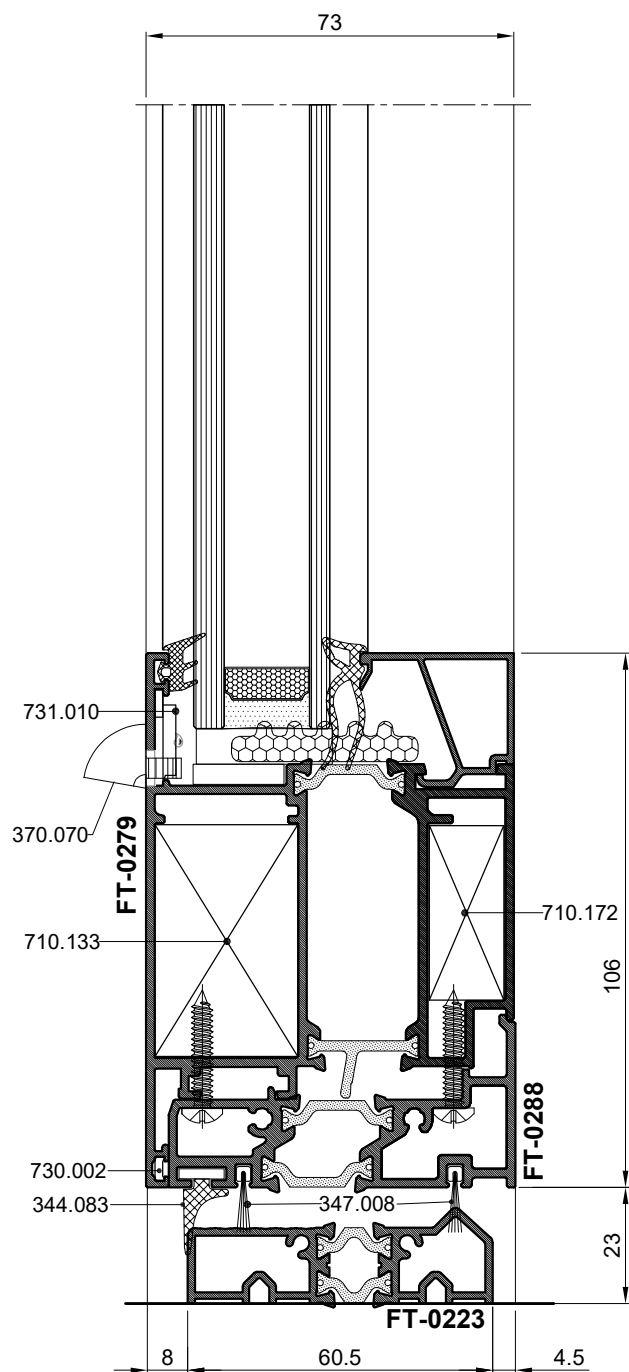
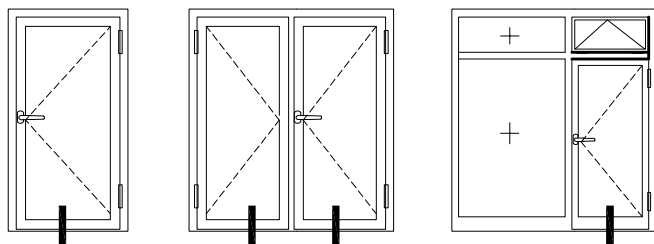
VRATA SA OBOSTRANOM OBLOGOM
DOOR WITH DOUBLE-SIDED LINING

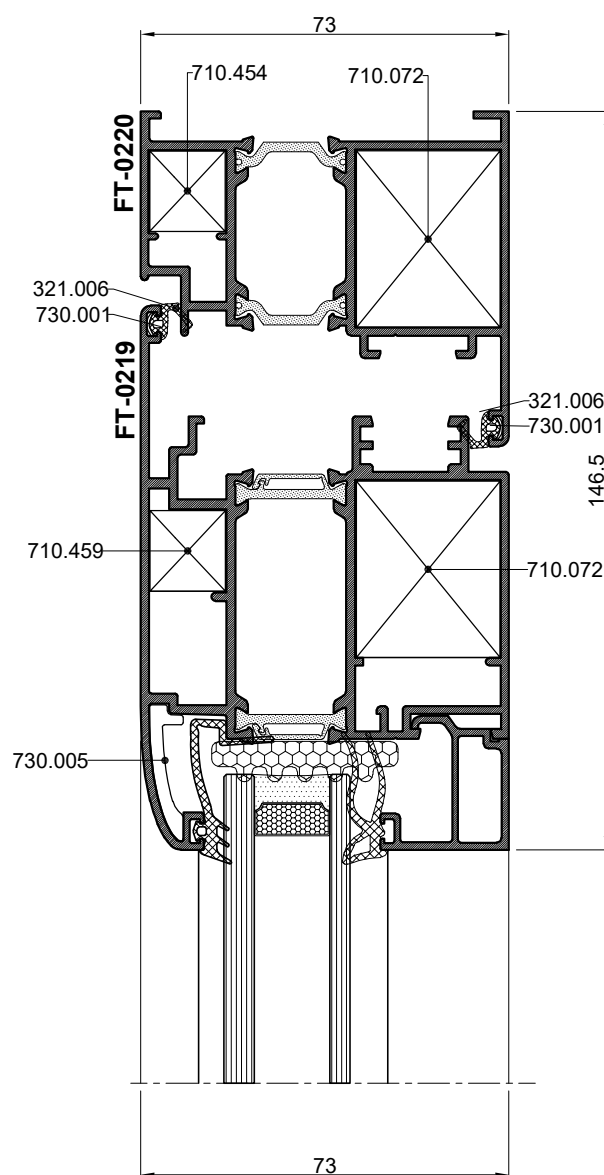
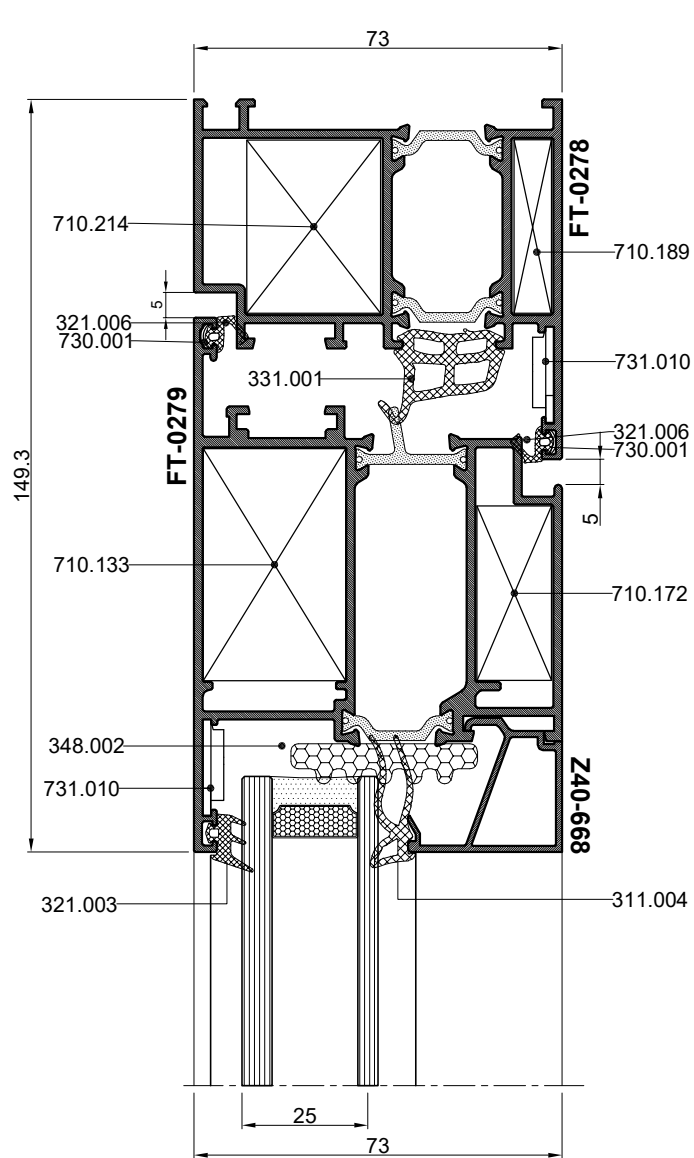
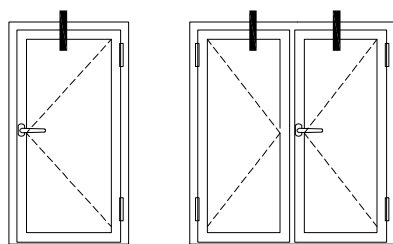


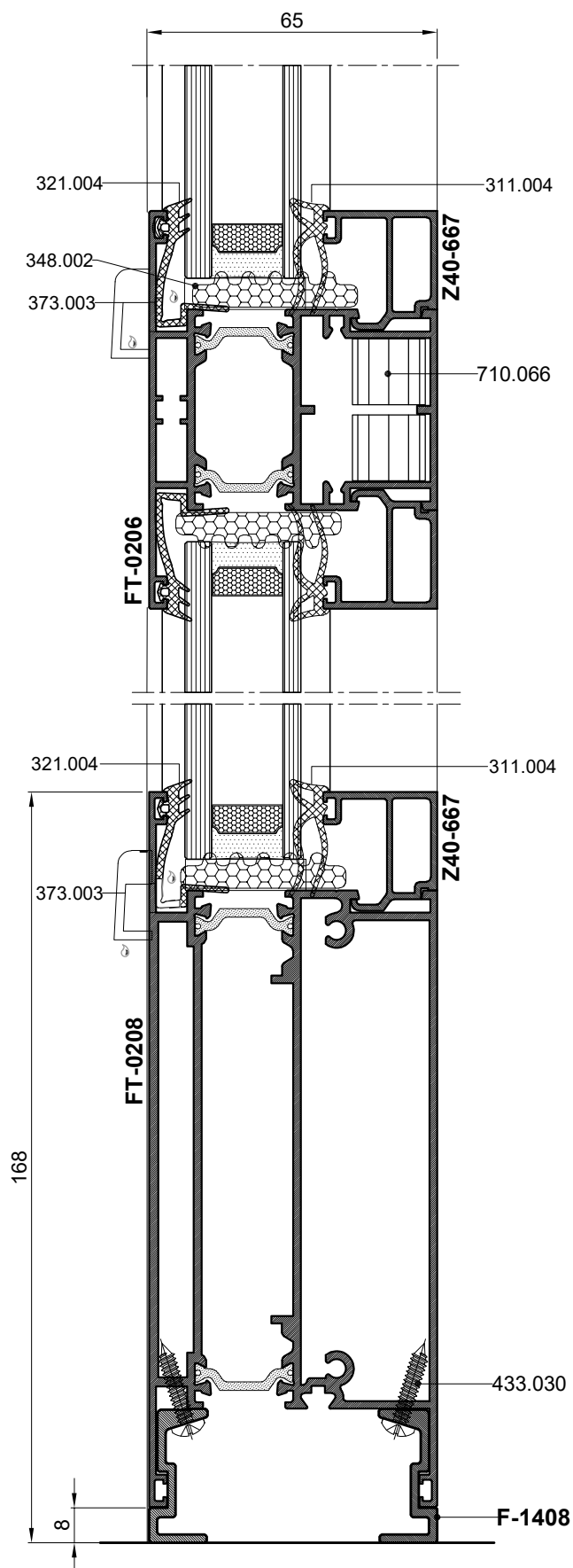
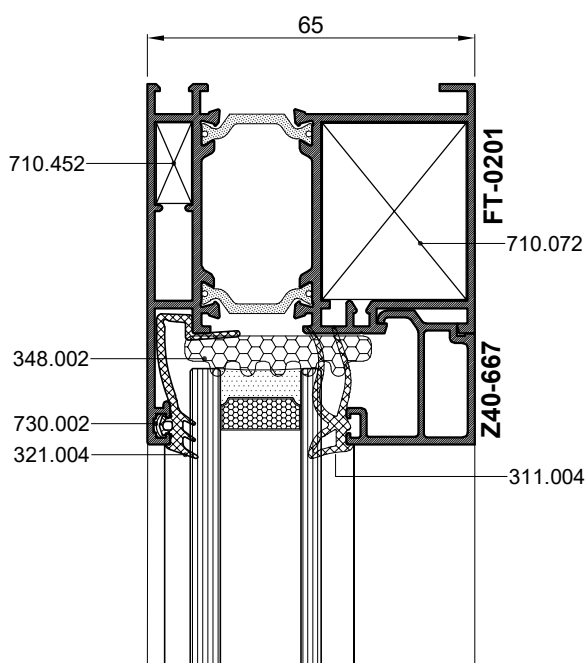
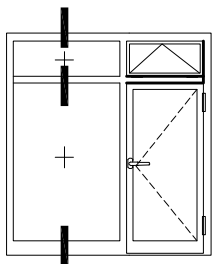


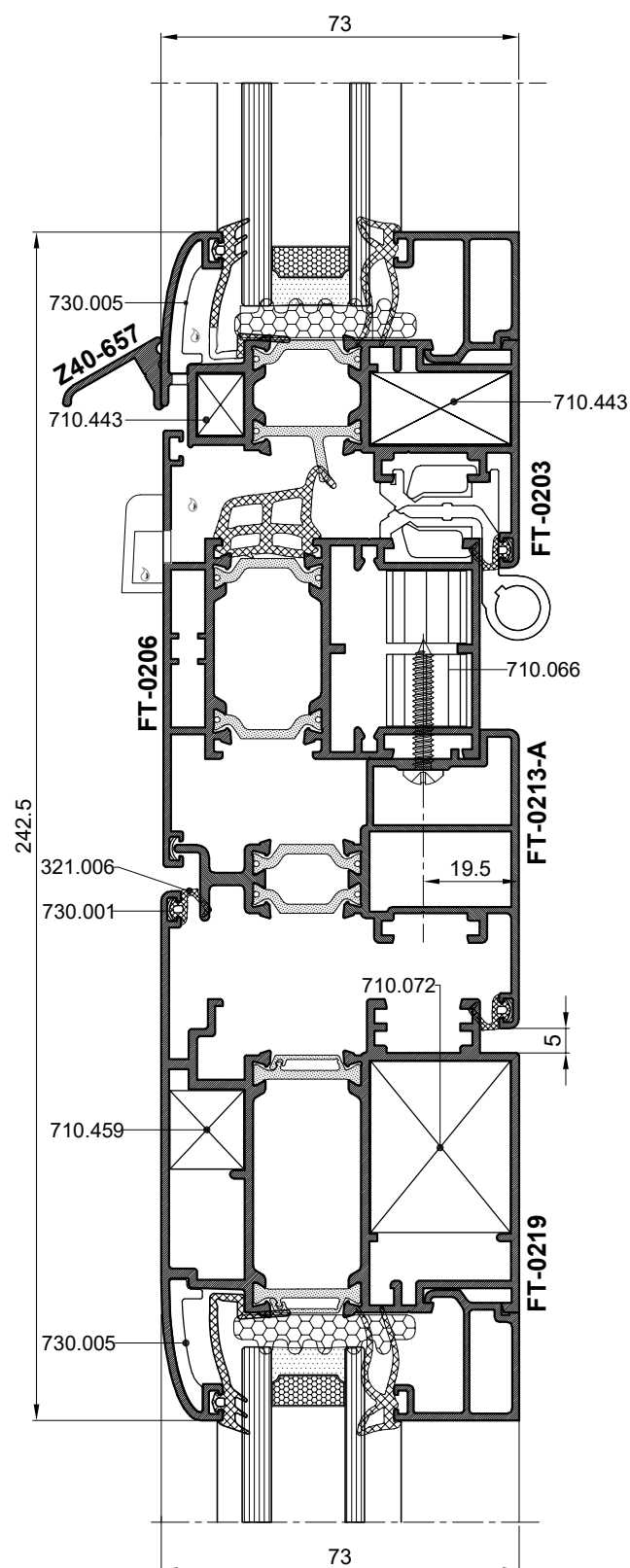
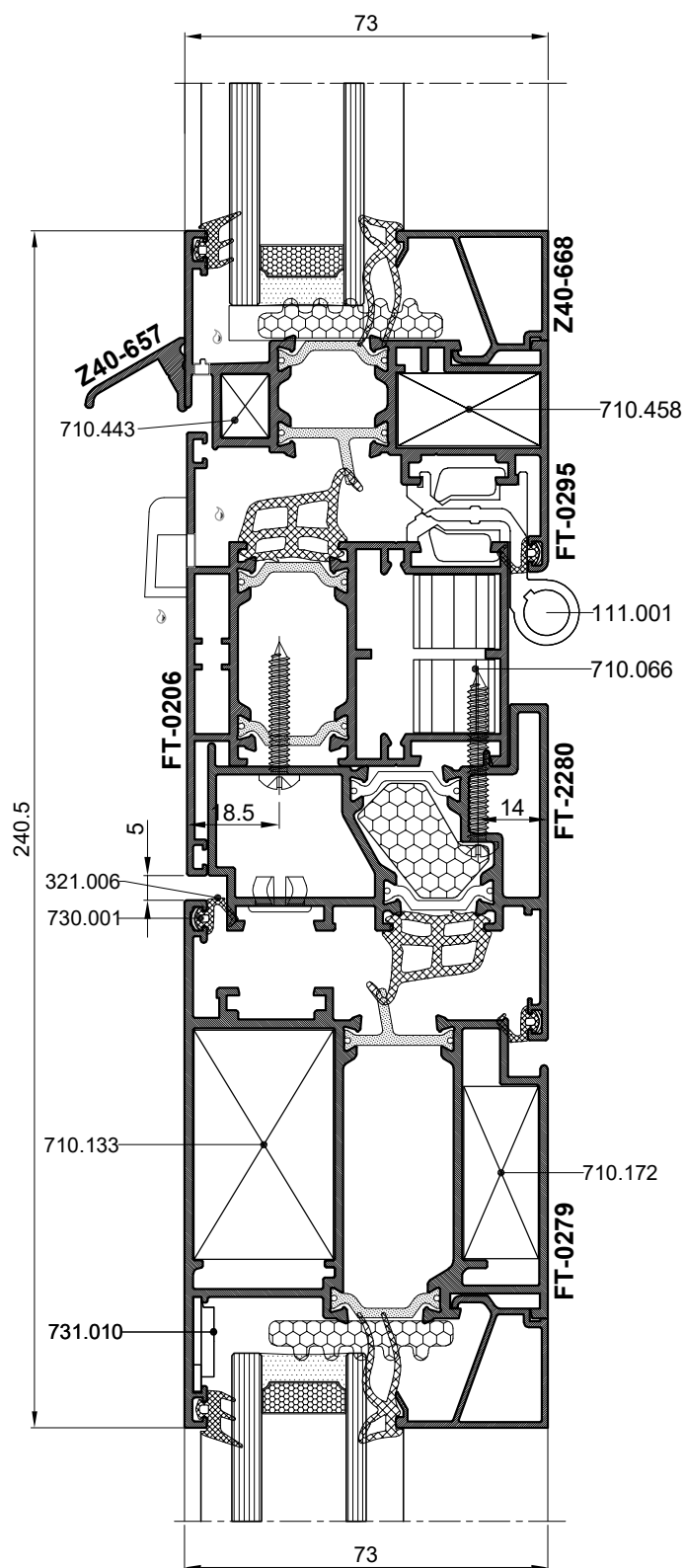
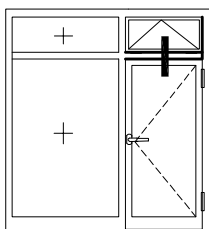


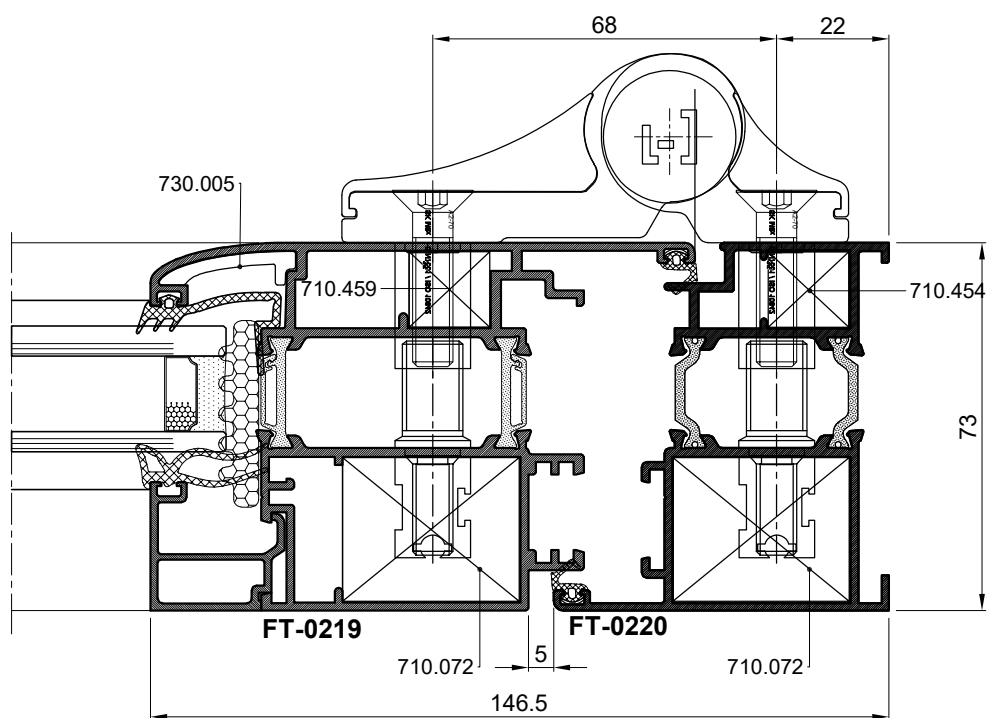
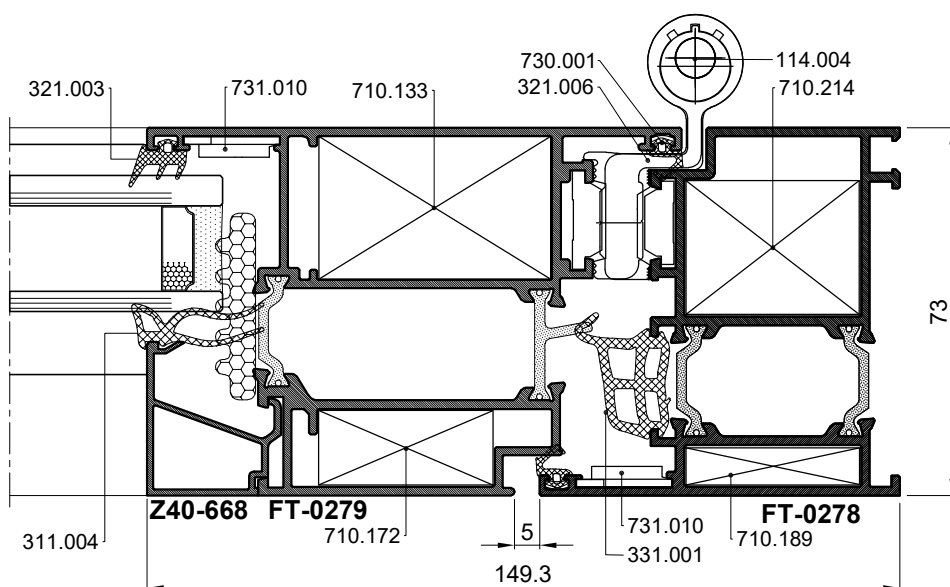
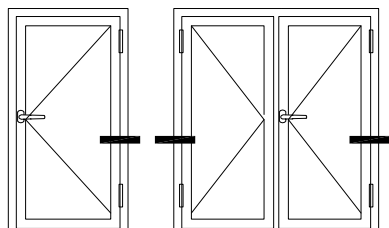


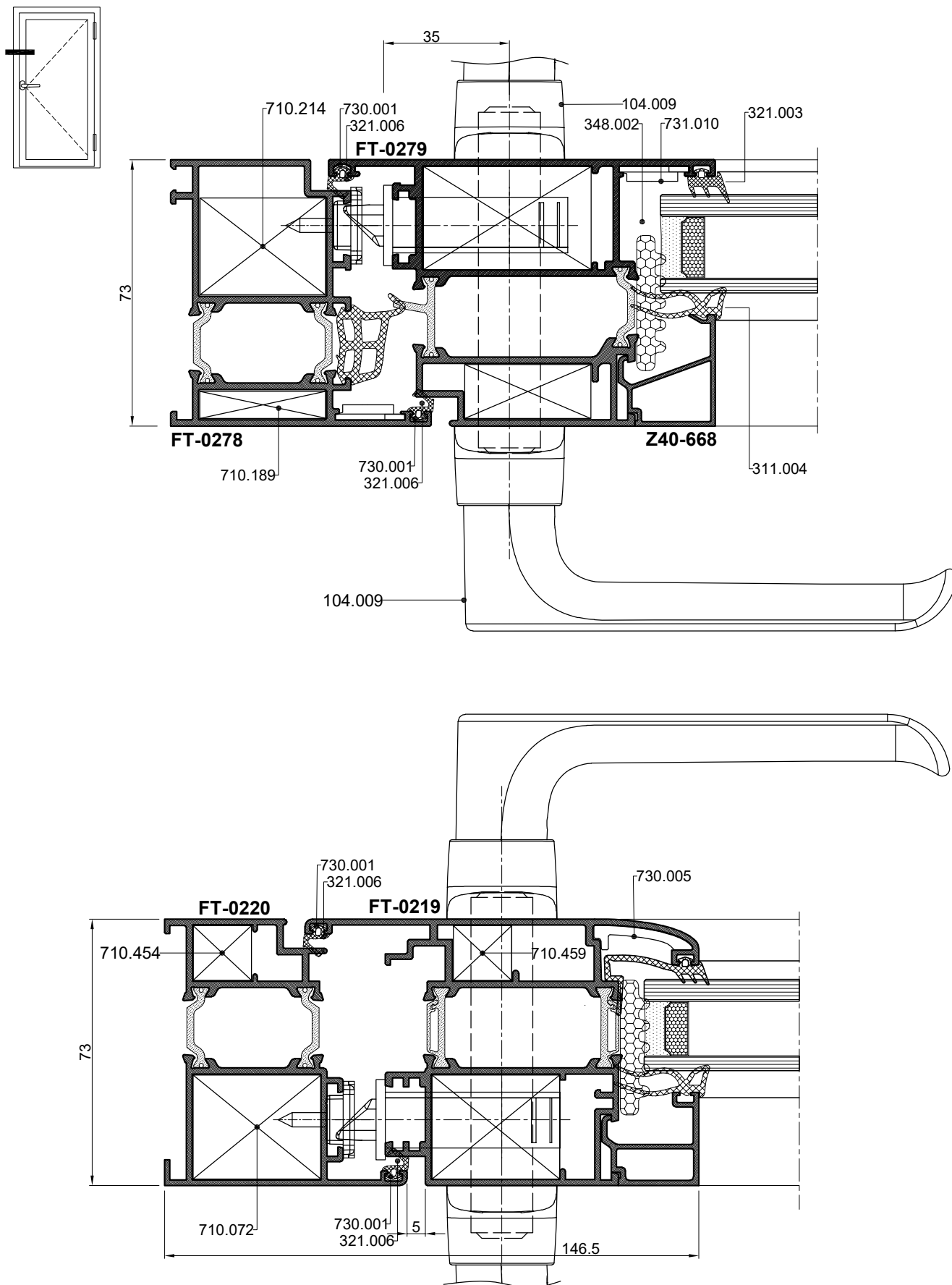


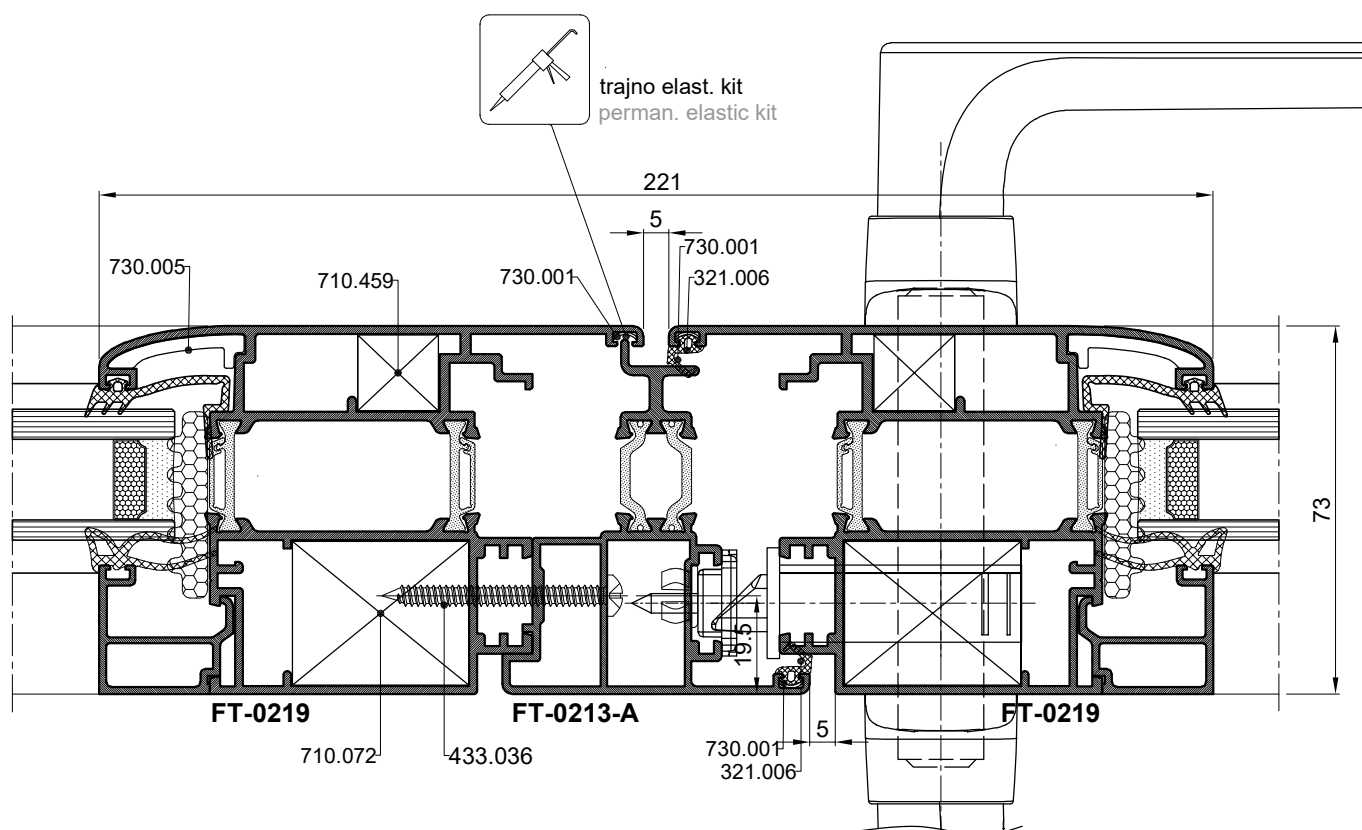
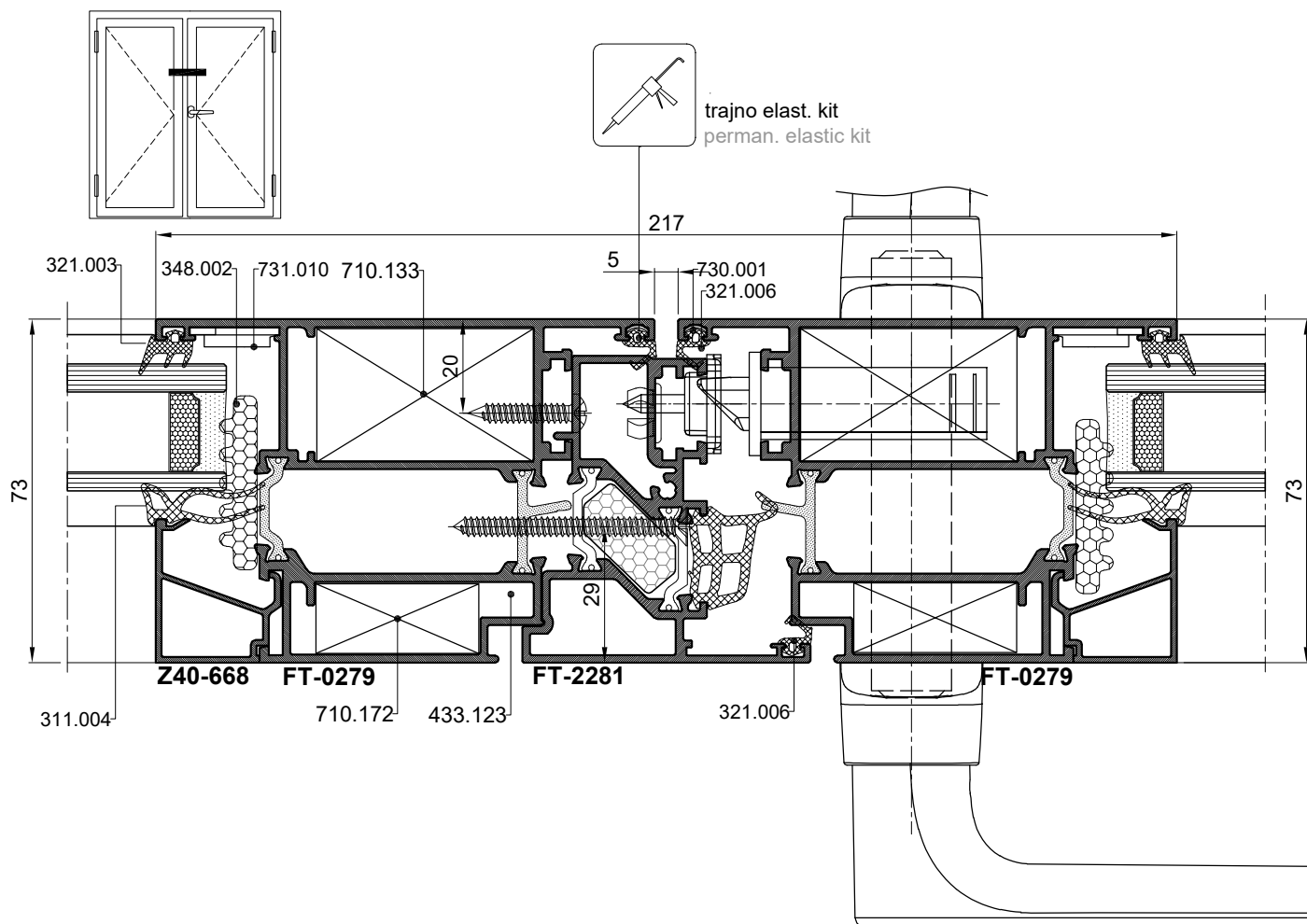


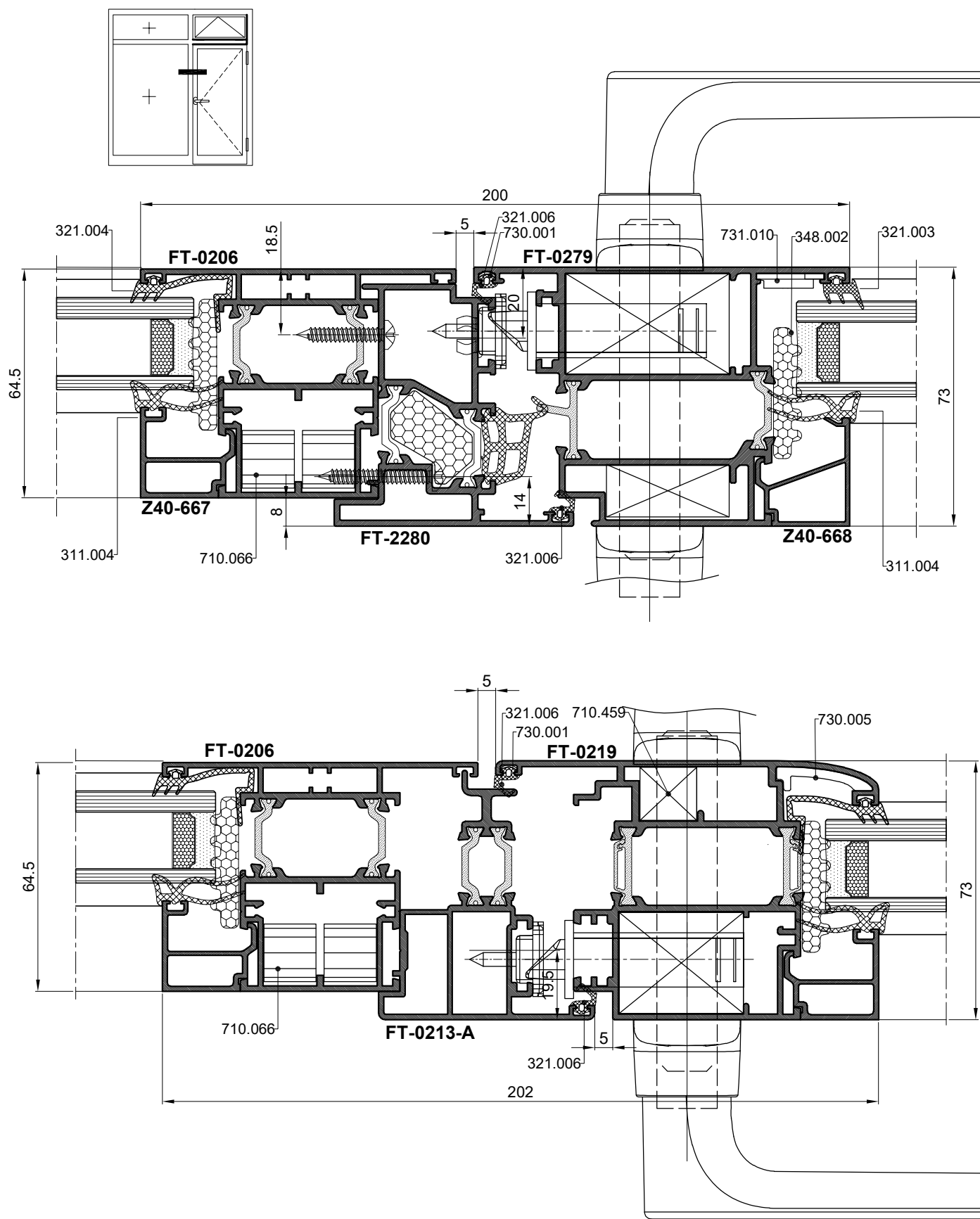


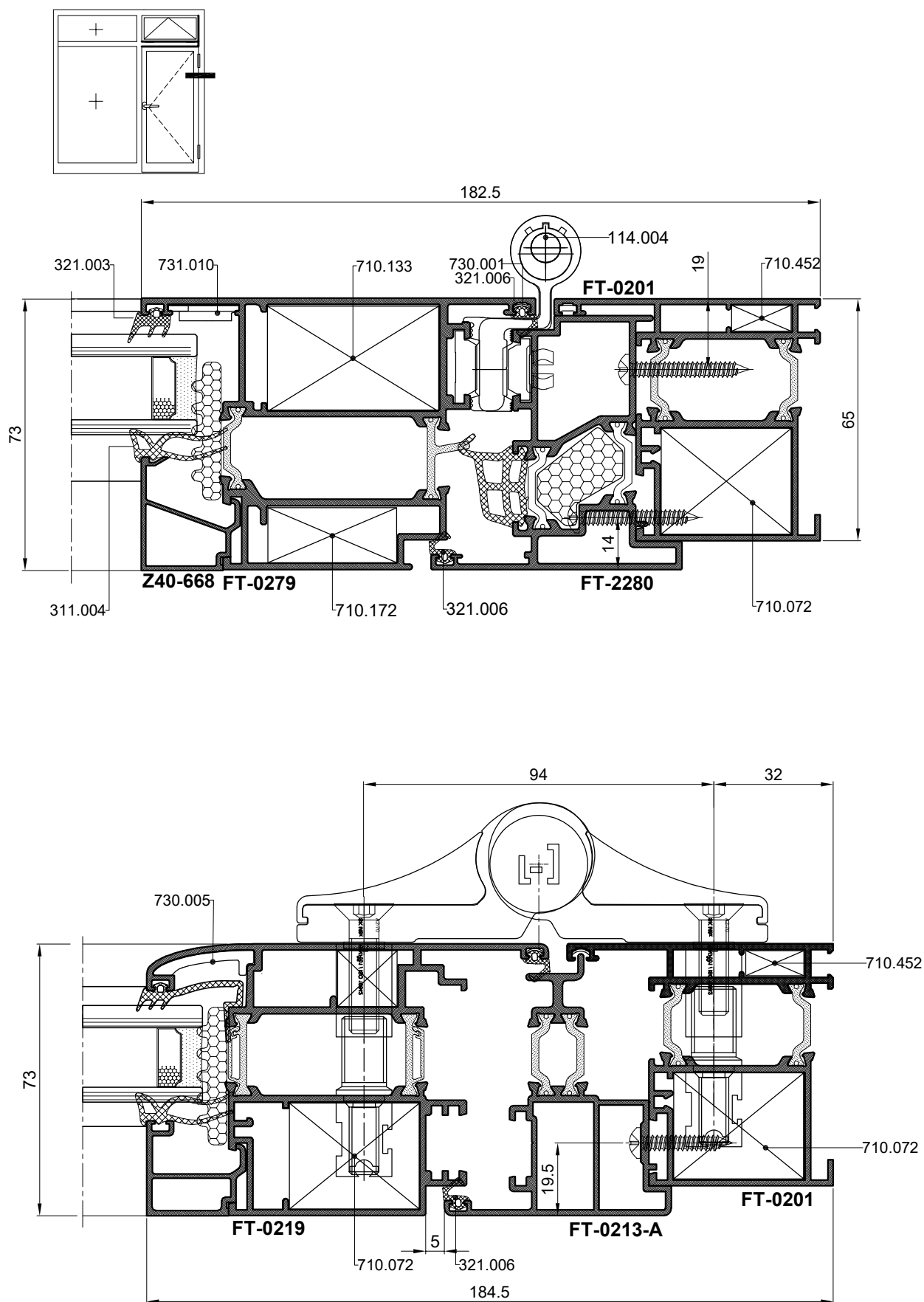




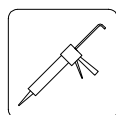
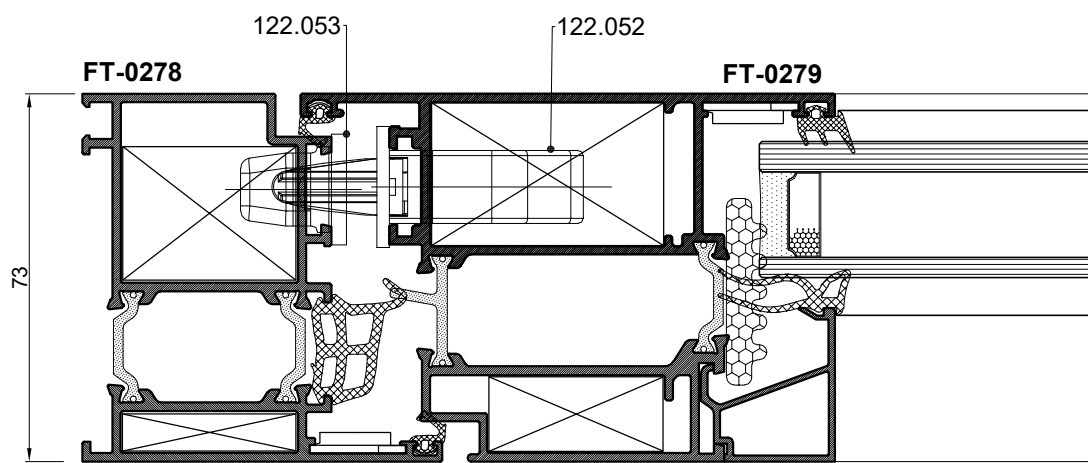
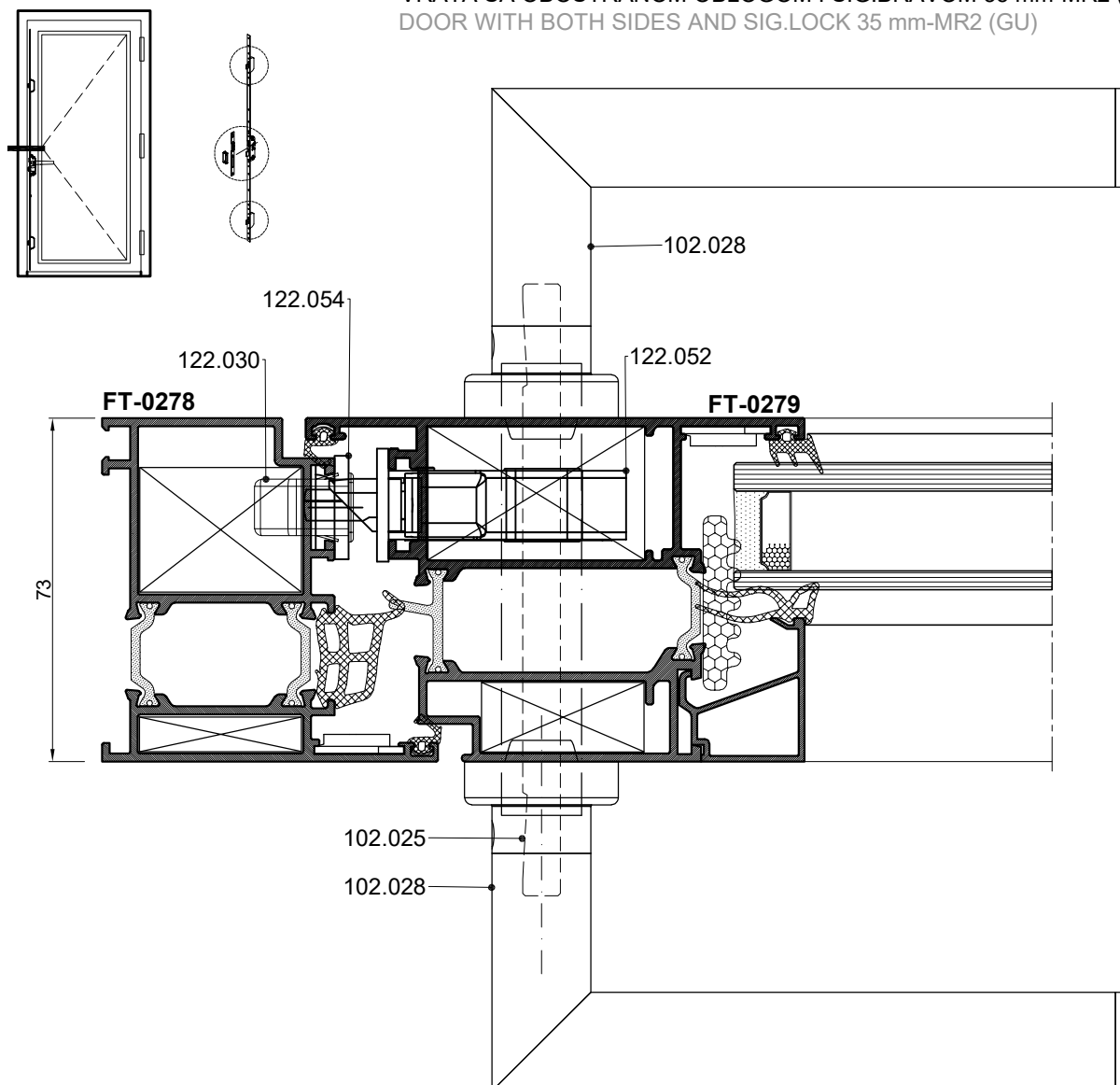






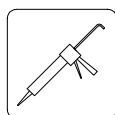
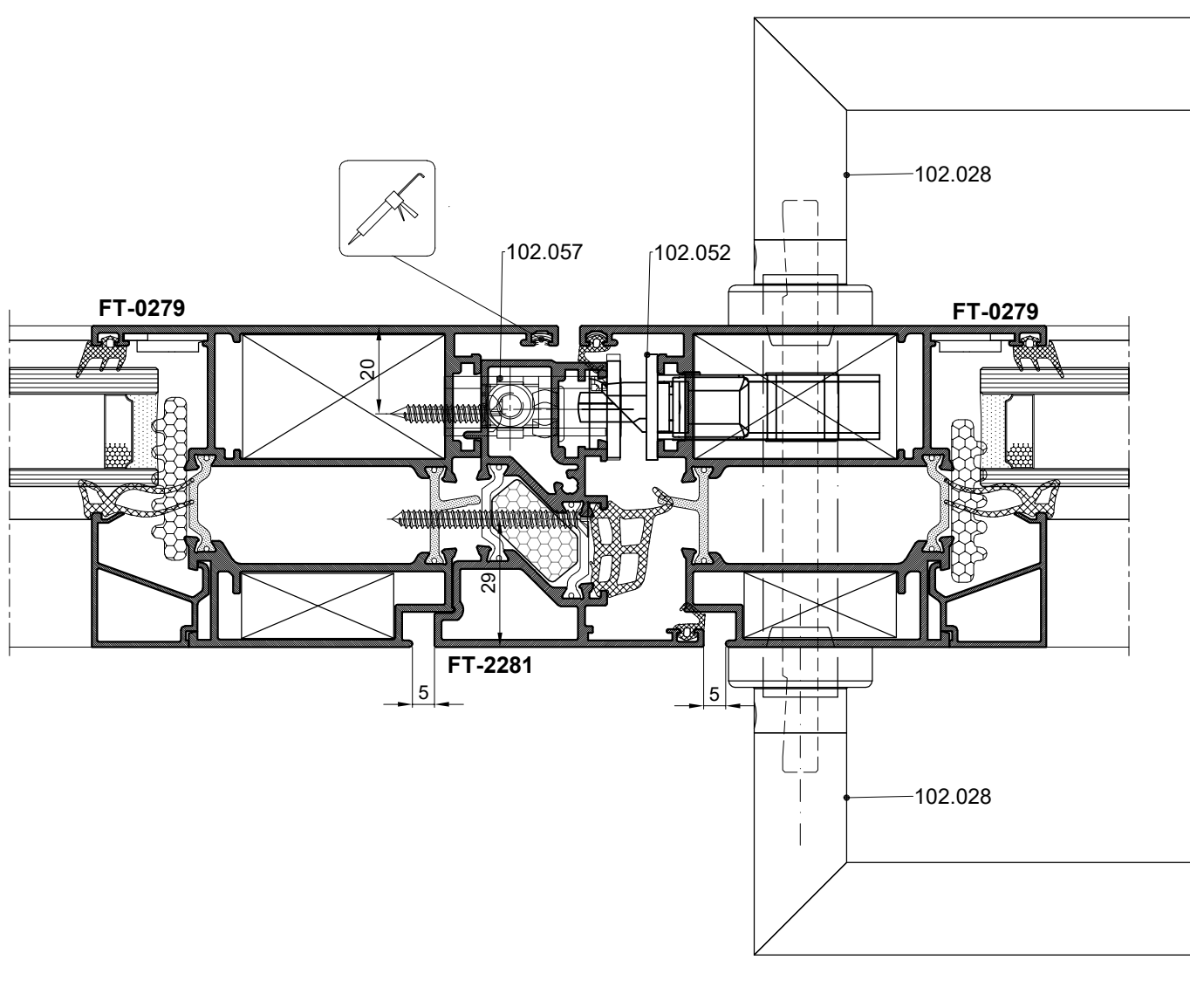
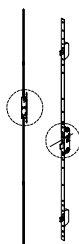
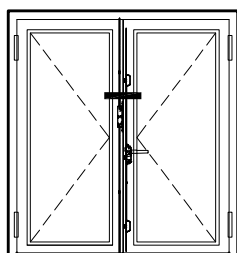


VRATA SA OBOSTRANOM OBLOGOM I SIG.BRAVOM 35 mm-MR2 (GU)
DOOR WITH BOTH SIDES AND SIG.LOCK 35 mm-MR2 (GU)

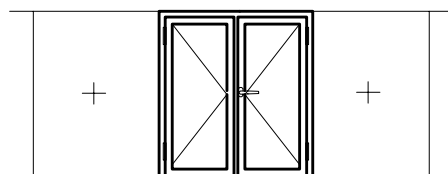
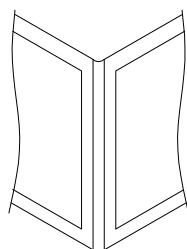
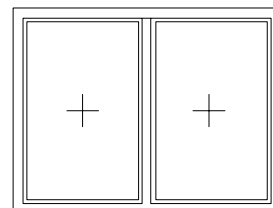
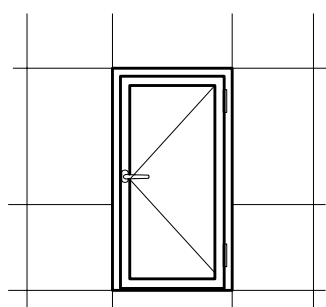
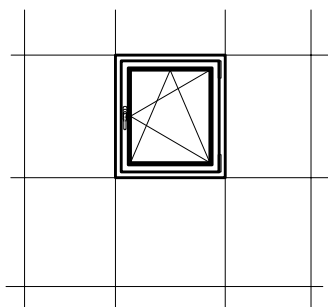


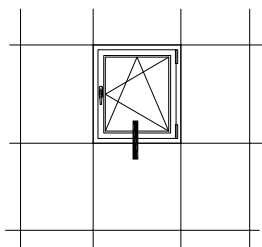
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

VRATA SA OBOSTRANOM OBLOGOM I SIG.BRAVOM 35 mm-MR2 (GU)
DOOR WITH BOTH SIDES AND SIG.LOCK 35 mm-MR2 (GU)

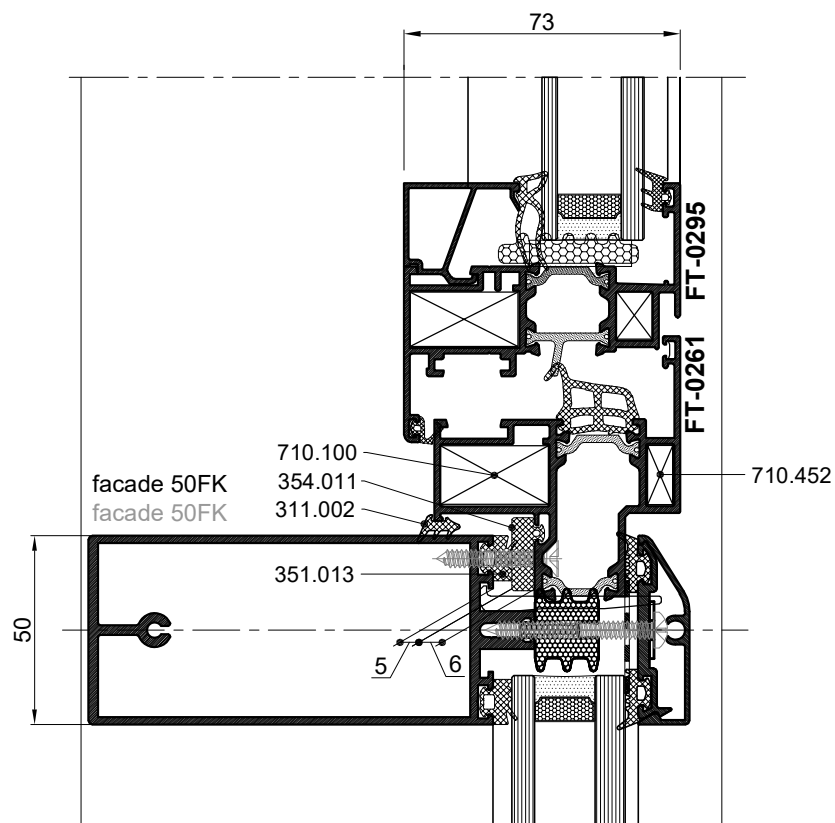
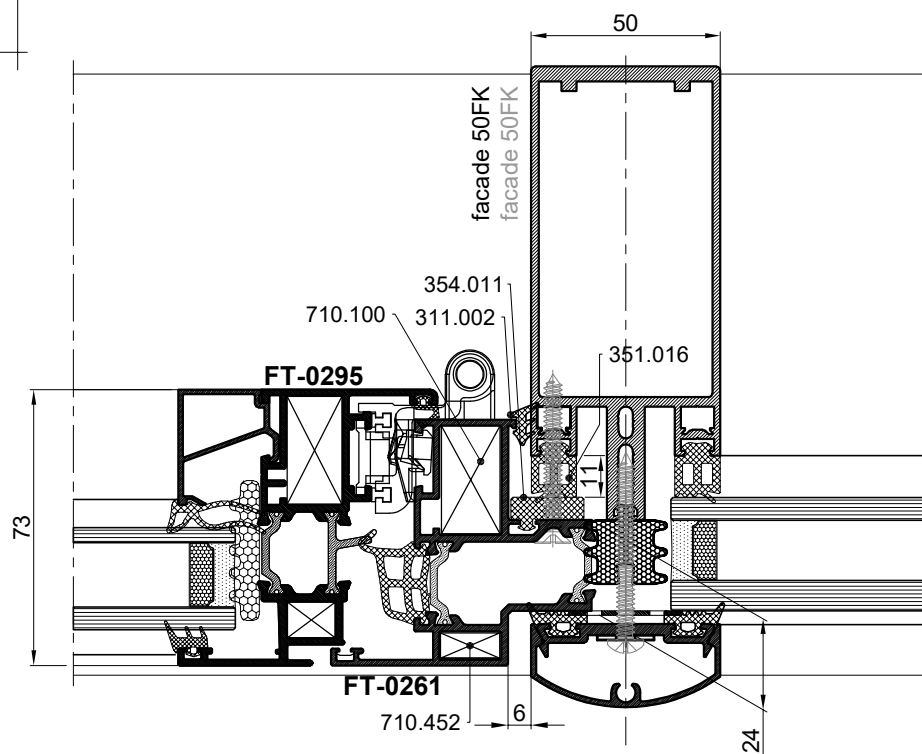


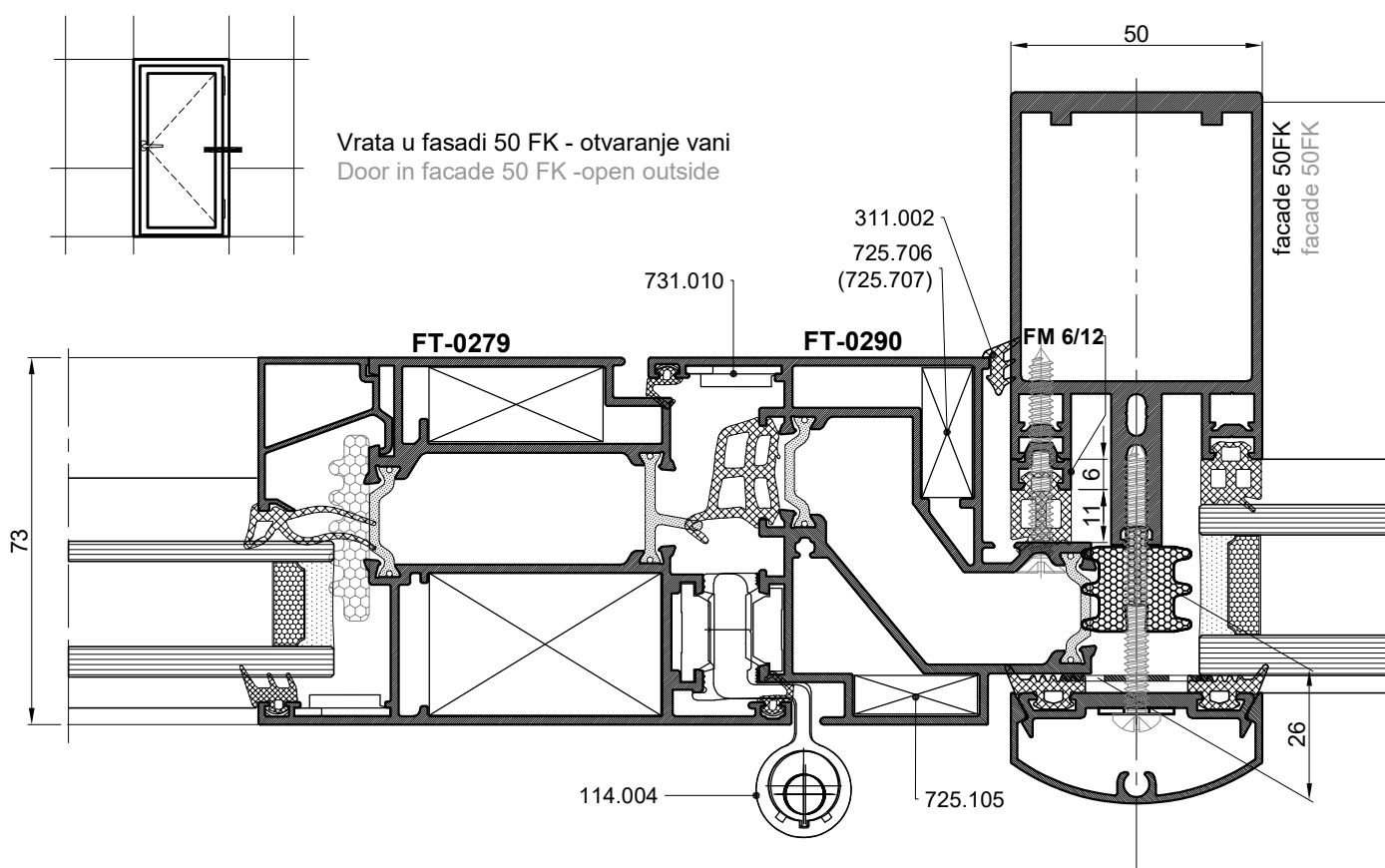
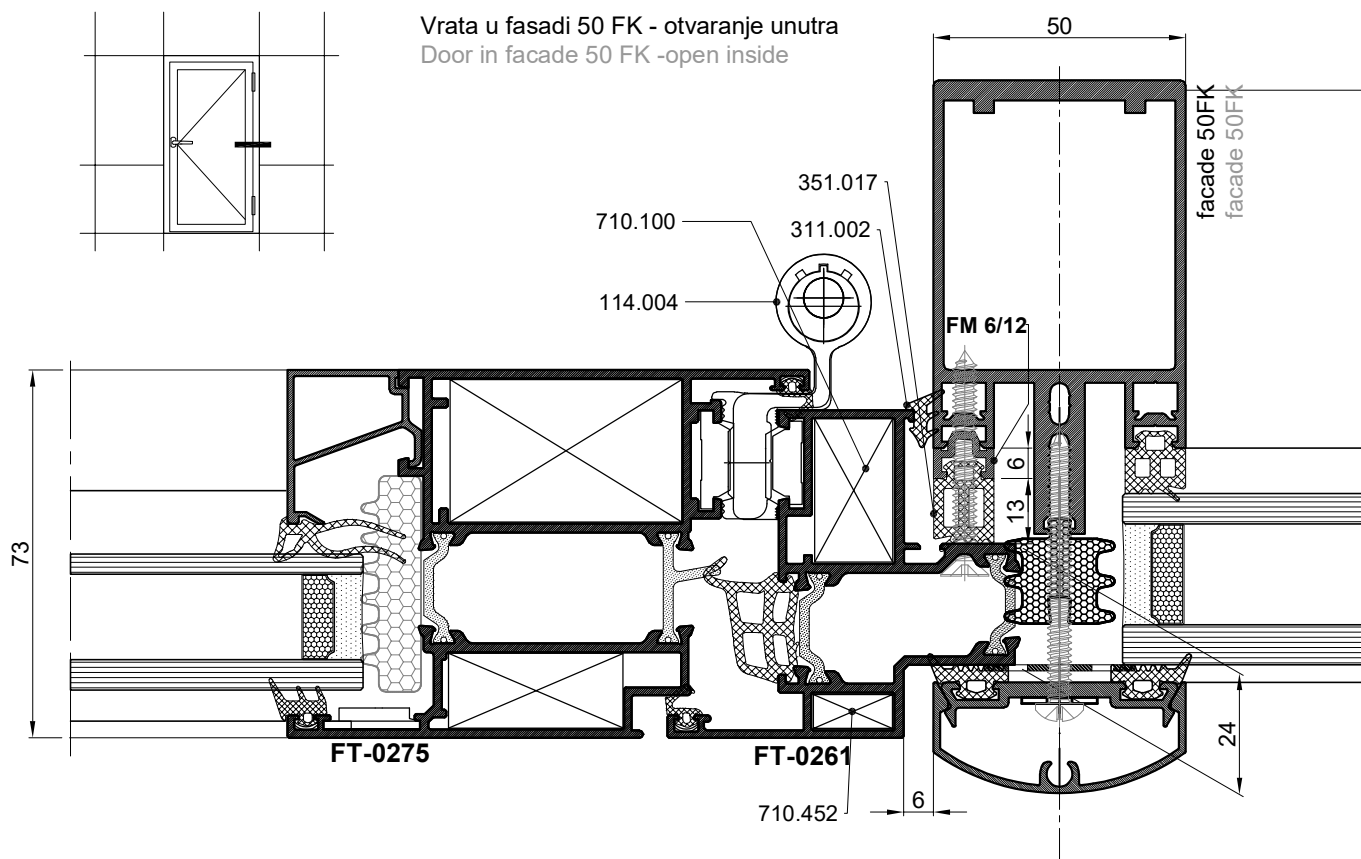
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

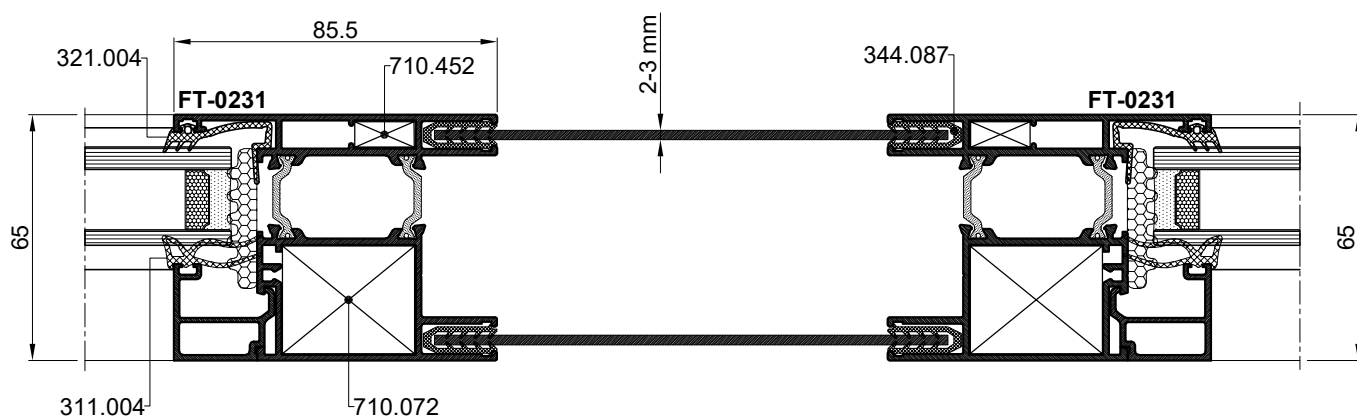
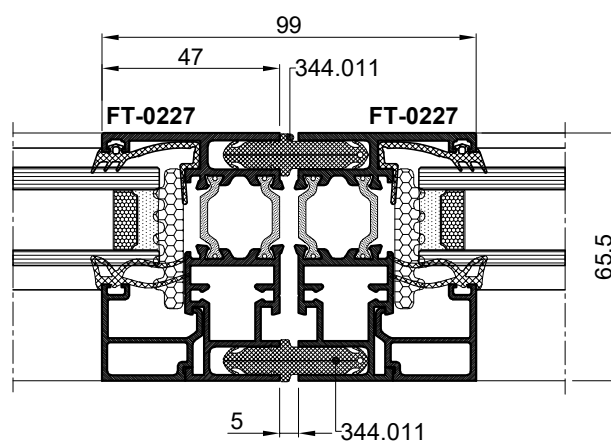
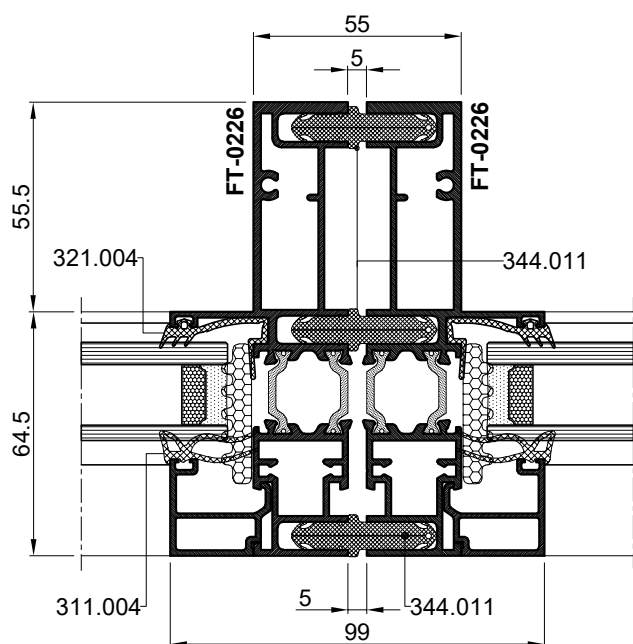
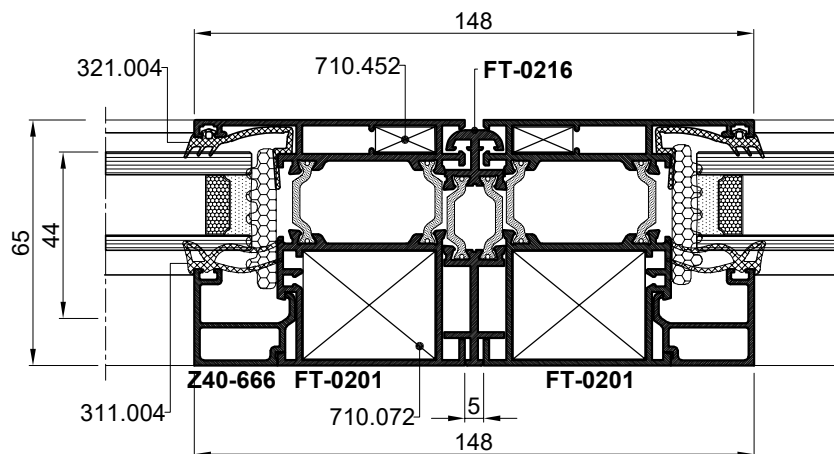
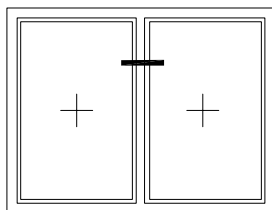




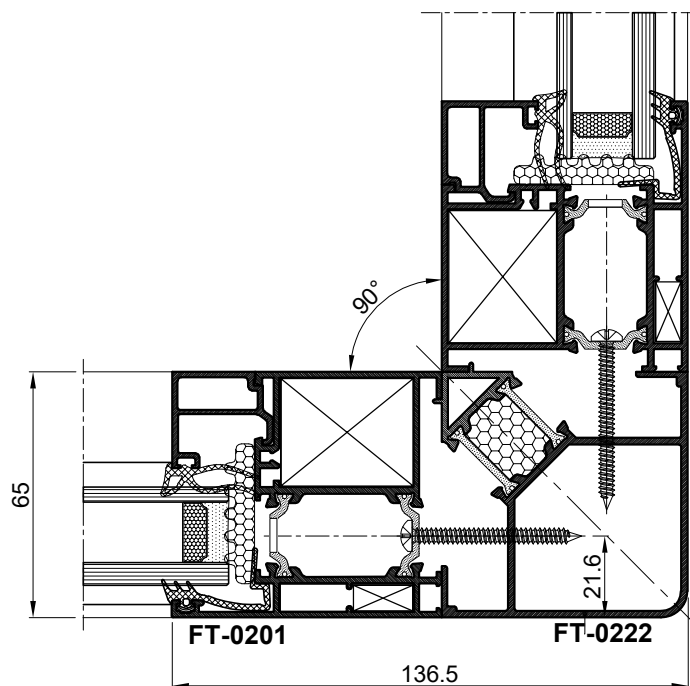
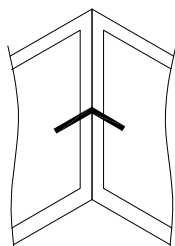
Prozor u fasadi 50 FK
Window in facade 50 FK



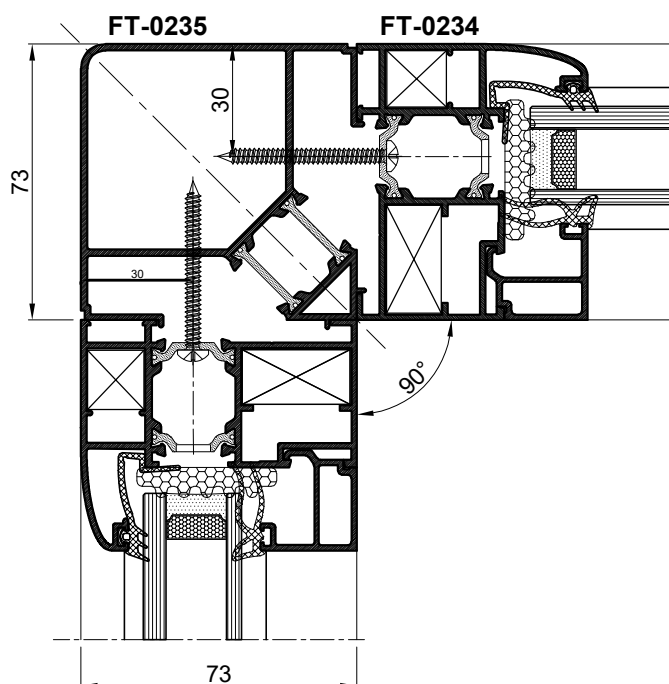




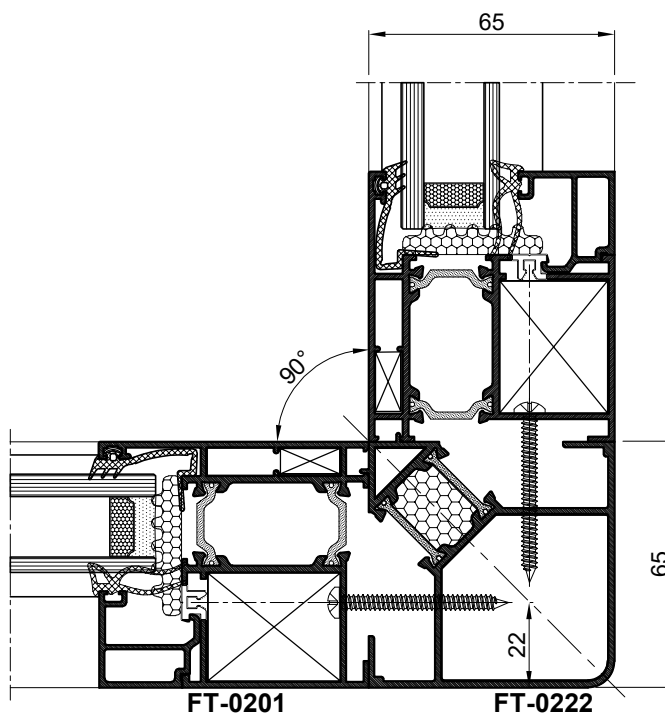
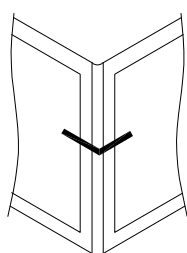
KUT 90° - PREMA VANI
CORNER 90° - TO OUTSIDE



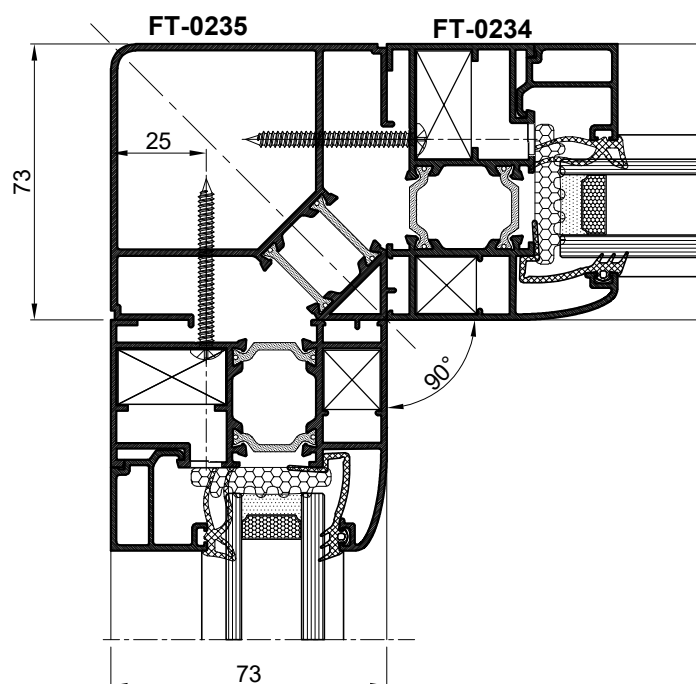
KUT 90° - PREMA VANI
CORNER 90° - TO OUTSIDE

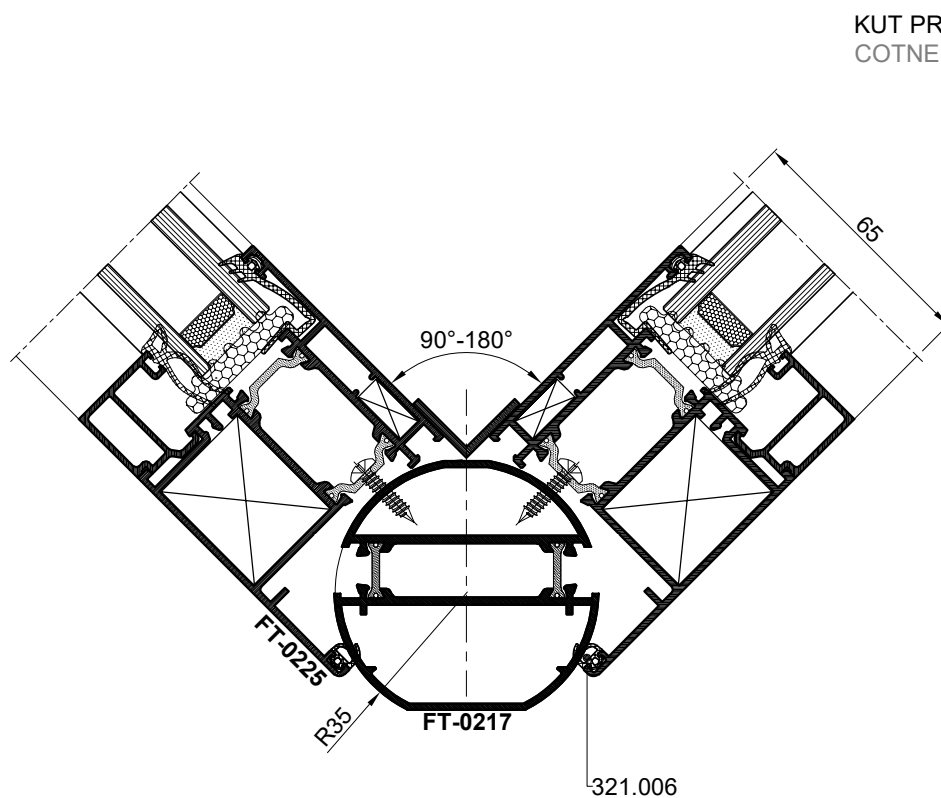
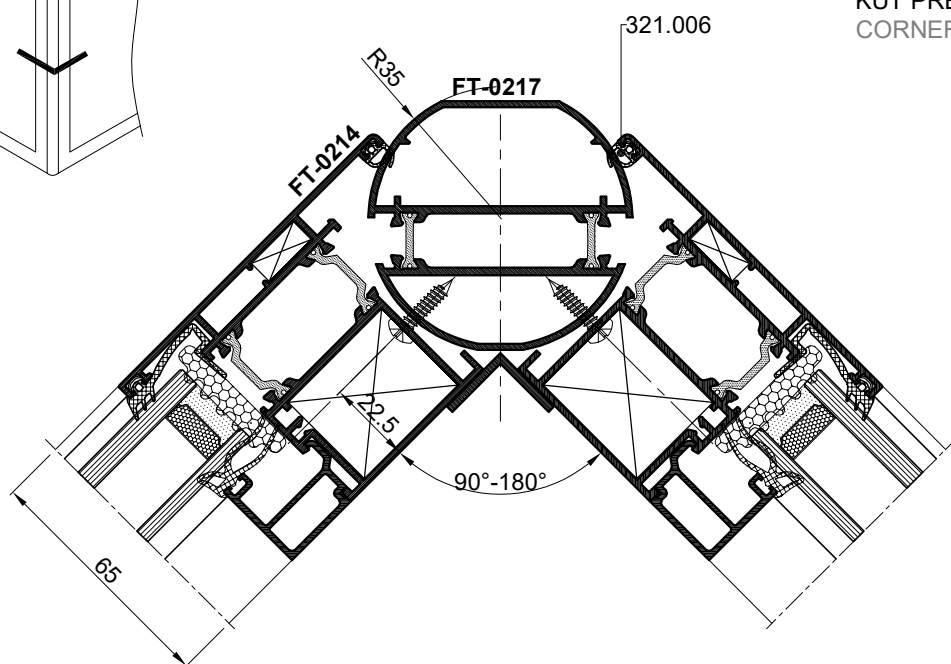
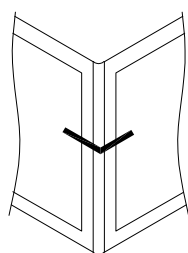


KUT 90° - PREMA UNUTRA
CORNER 90° - TO INSIDE



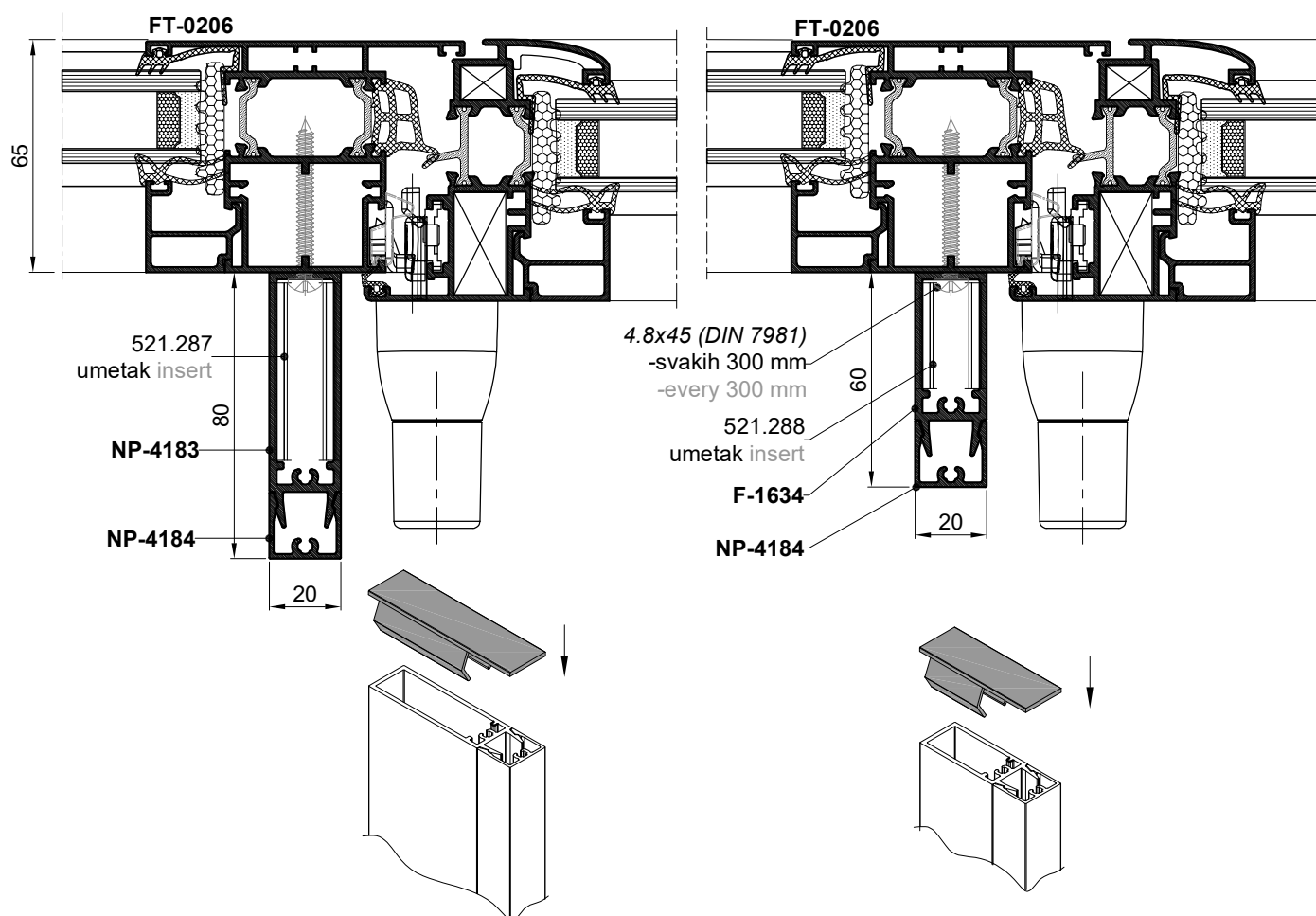
KUT 90° - PREMA UNUTRA
CORNER 90° - TO INSIDE



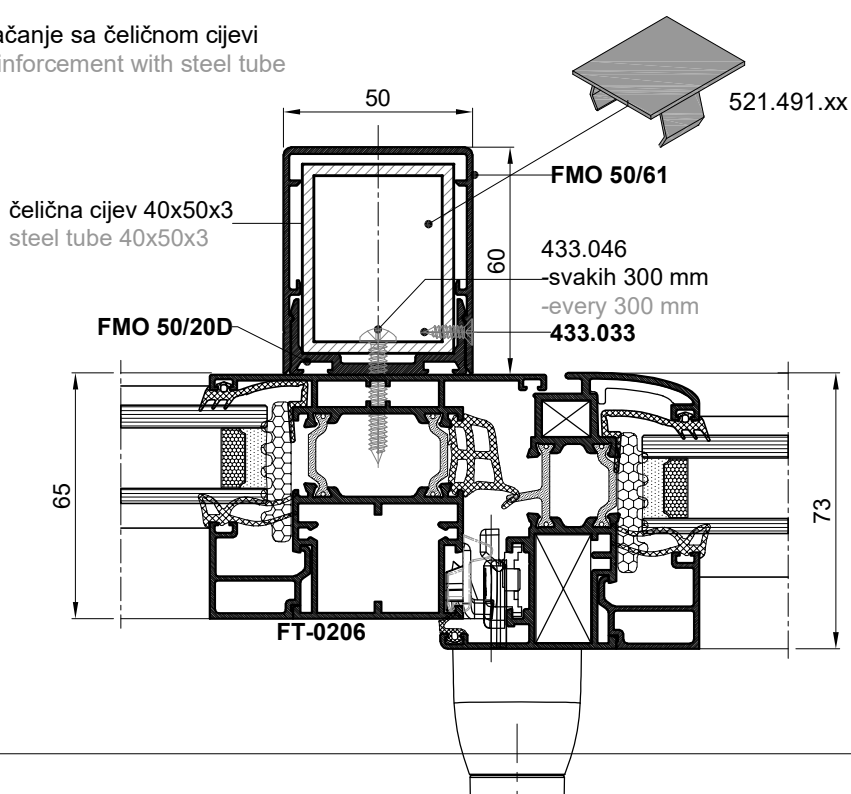


Ojačanje 80 mm
Reinforcement 80 mm

Ojačanje 60 mm
Reinforcement 60 mm

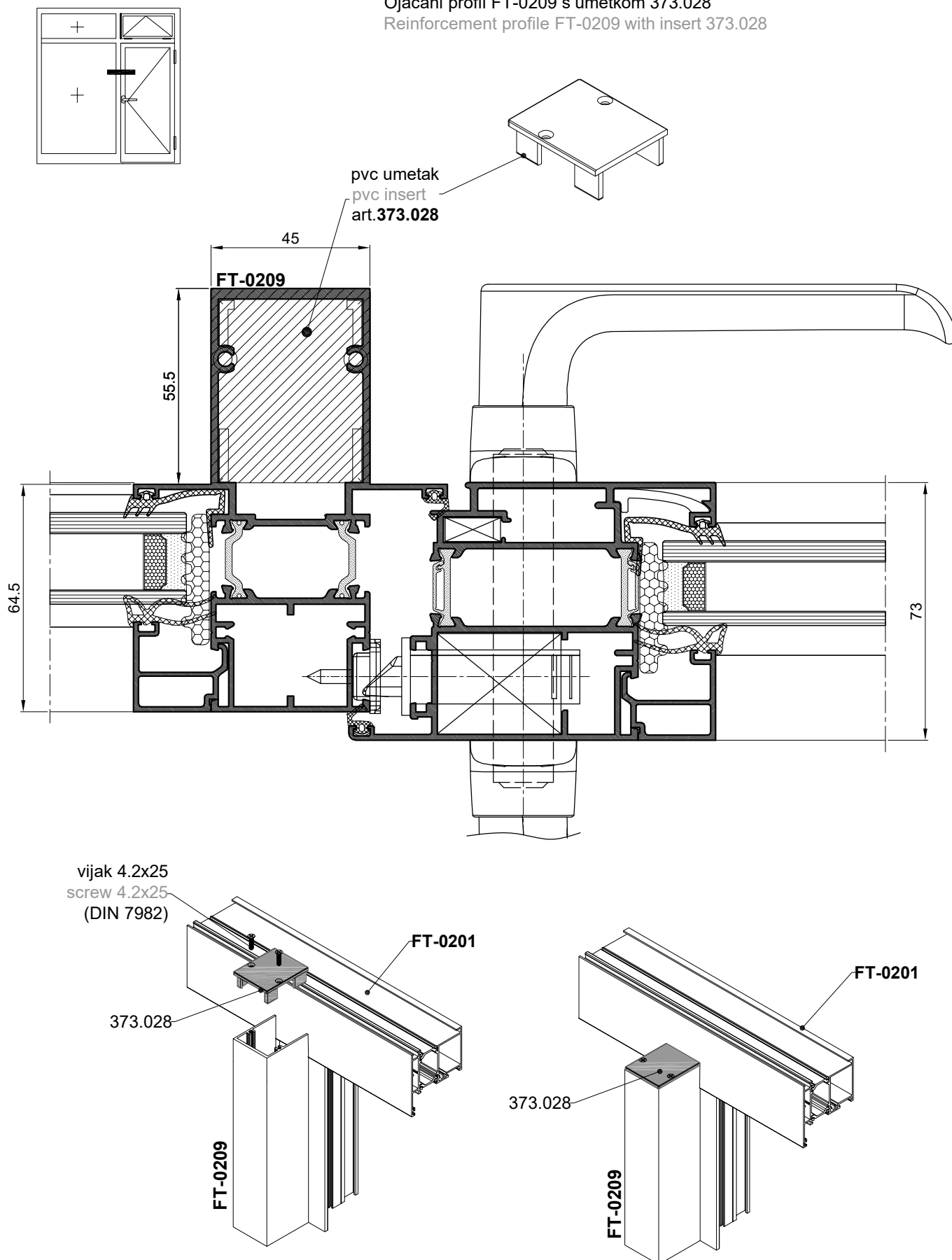


Ojačanje sa čeličnom cijevi
Reinforcement with steel tube

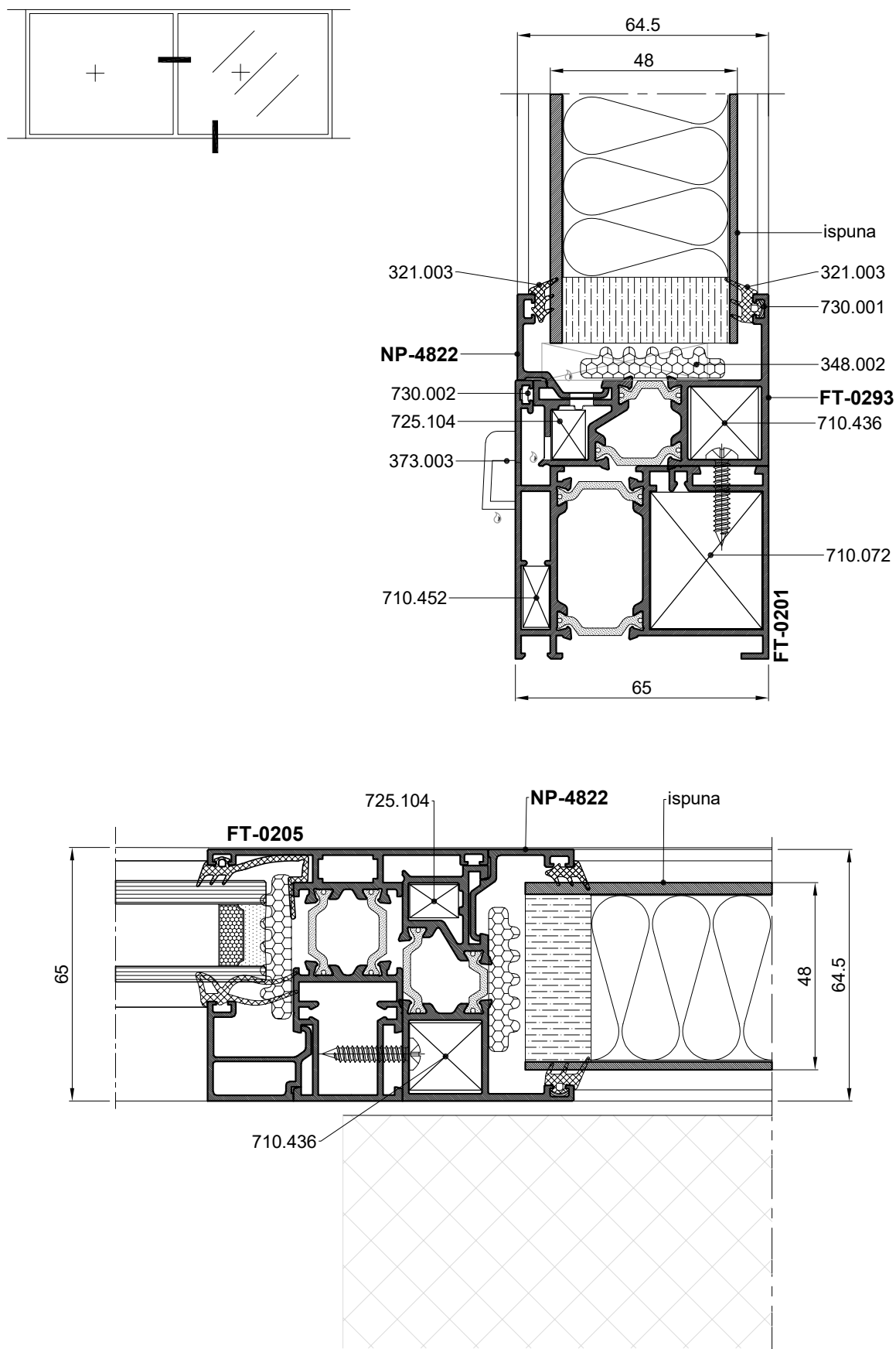


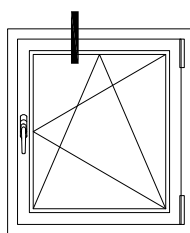
-Profil FMO 50/61 (maska ojačanja) mora biti 50 mm duži od profila ojačanja.
-FMO 50/61 profile (reinforcement mask) must be 50 mm longer than the reinforcement profile.

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

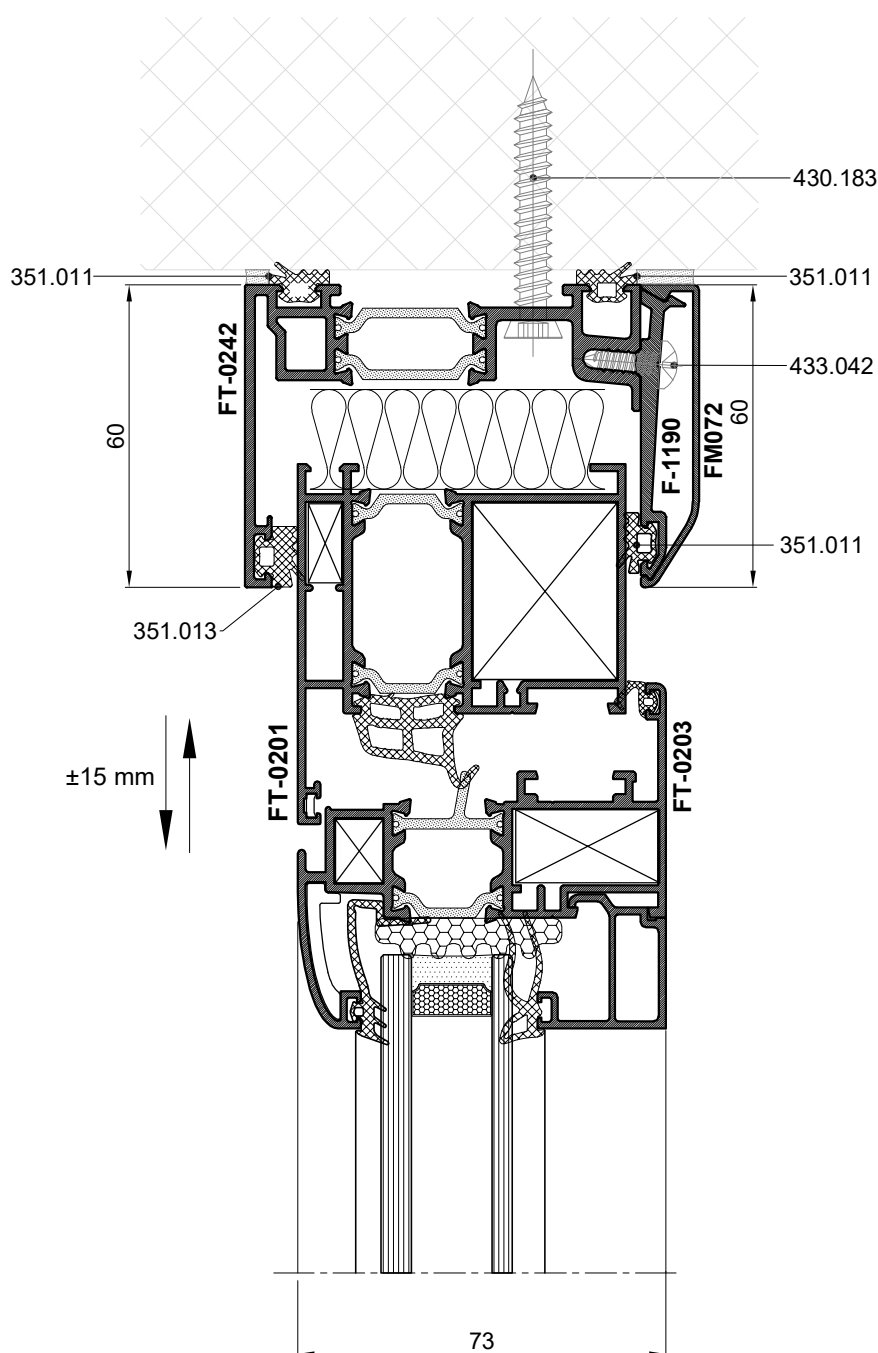


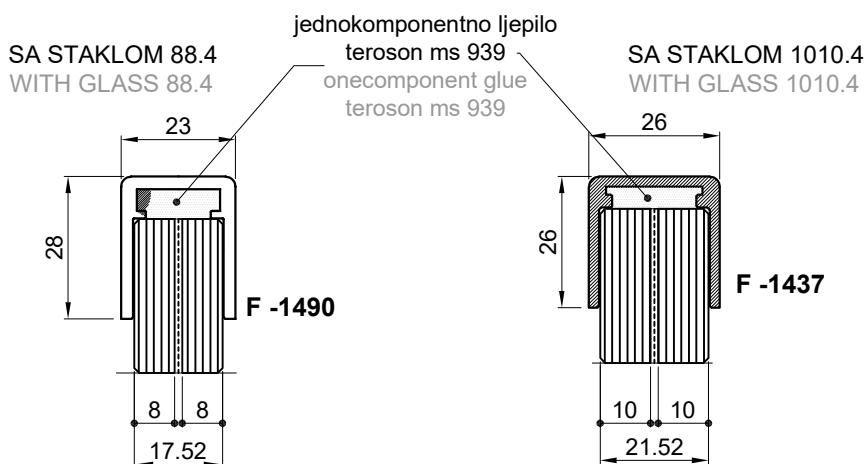
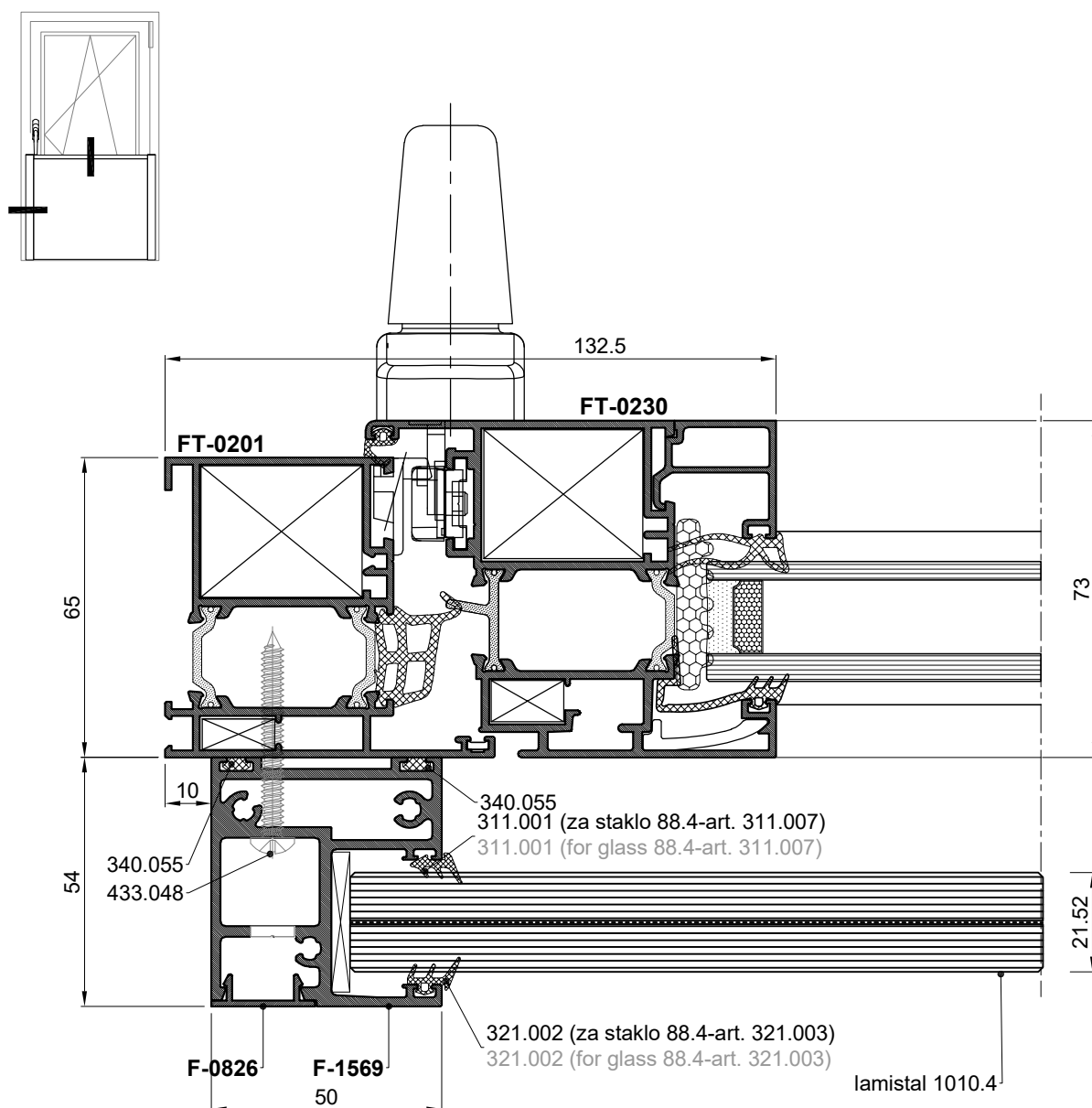
Detalj ostakljivanja s vanjske strane
Detail of glazing on the outside

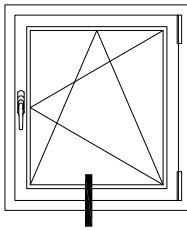




PROFIL ZA UGRADNJU
INSTALATION PROFILE

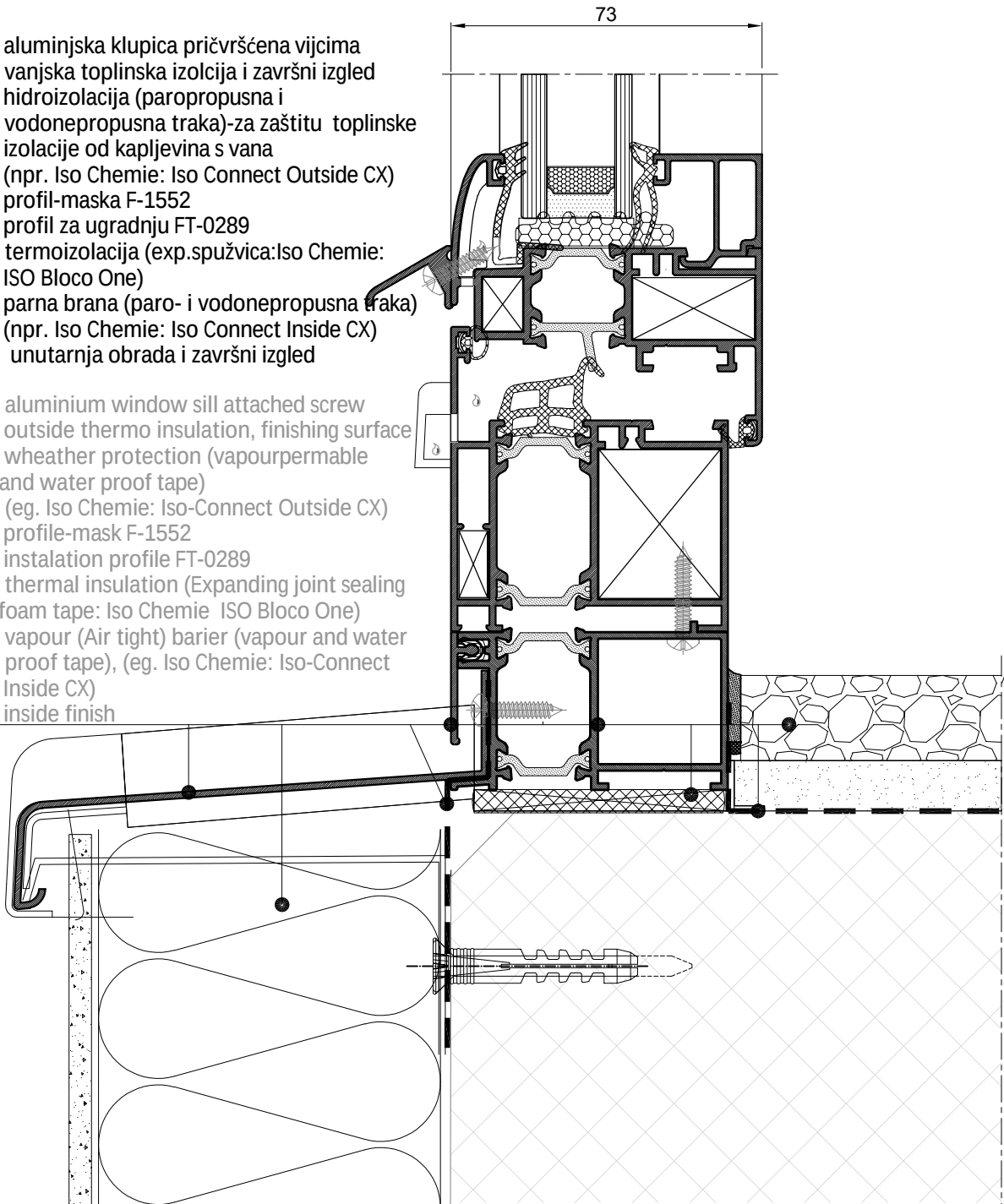


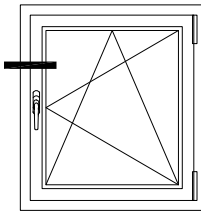




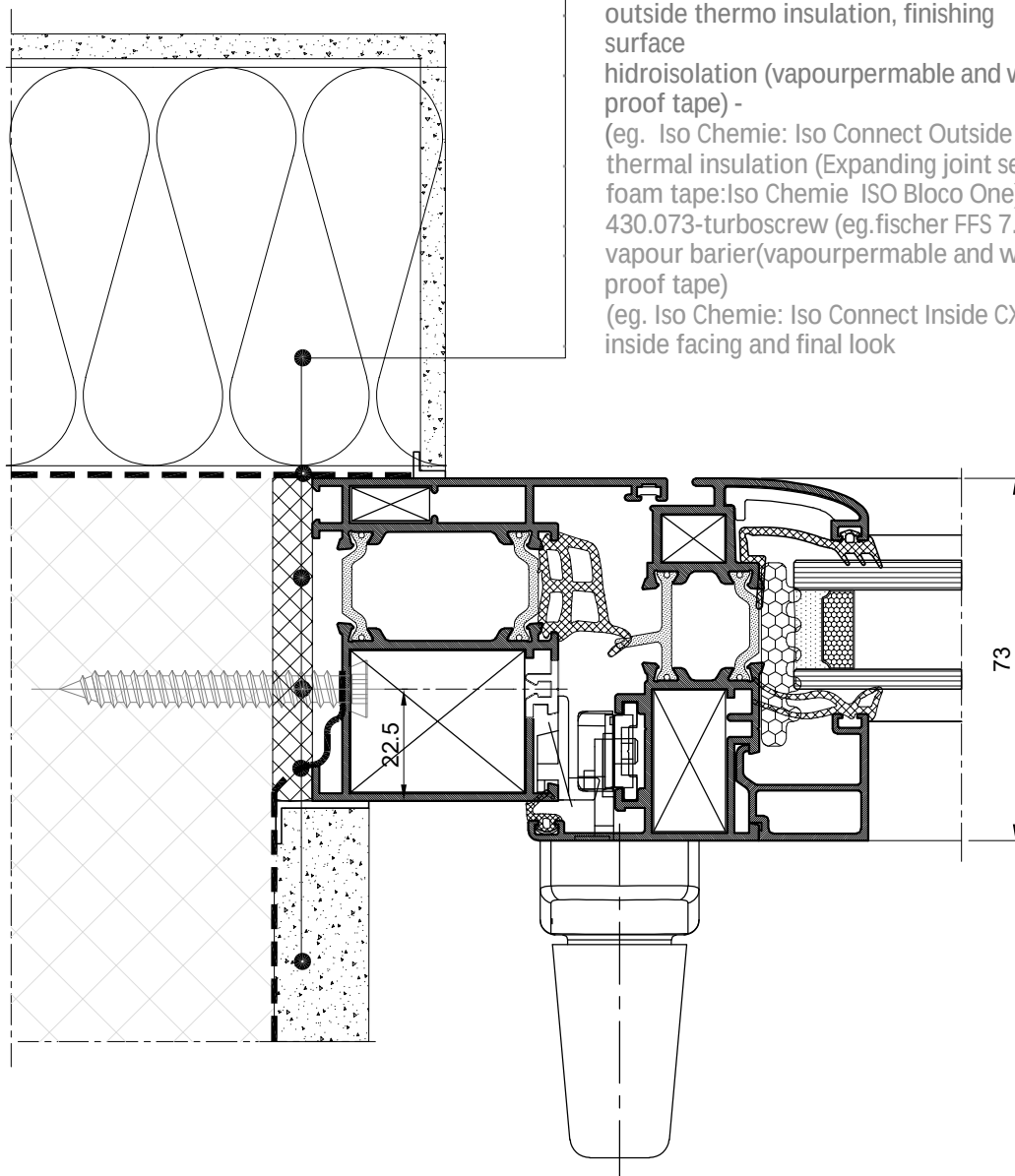
Ugradnja prema RAL standardu
Installation for RAL standards

- aluminjska klupica pričvršćena vijcima
- vanjska toplinska izolacija i završni izgled
- hidroizolacija (paropropusna i vodonepropusna traka)-za zaštitu toplinske izolacije od kapljevina s vana (npr. Iso Chemie: Iso Connect Outside CX)
- profil-mask F-1552
- profil za ugradnju FT-0289
- termoizolacija (exp.spužvica: Iso Chemie: ISO Bloco One)
- parna brana (paro- i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Inside CX)
- unutarnja obrada i završni izgled
- aluminium window sill attached screw
- outside thermo insulation, finishing surface
- weather protection (vapourpermeable and water proof tape) (eg. Iso Chemie: Iso-Connect Outside CX)
- profile-mask F-1552
- instalation profile FT-0289
- thermal insulation (Expanding joint sealing foam tape: Iso Chemie ISO Bloco One)
- vapour (Air tight) barrier (vapour and water proof tape), (eg. Iso Chemie: Iso-Connect Inside CX)
- inside finish

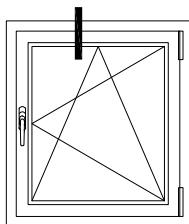




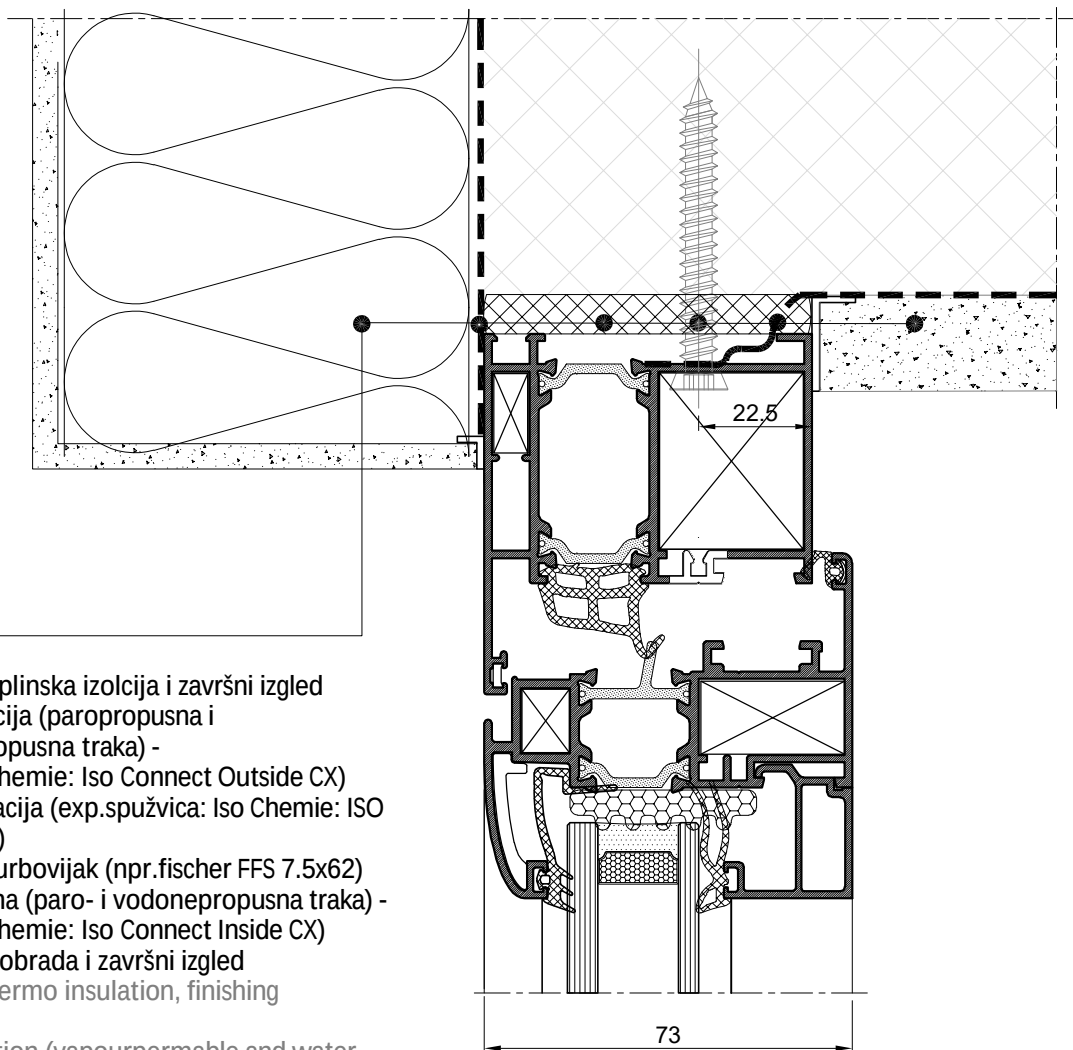
Ugradnja prema RAL standardu
Installation for RAL standards



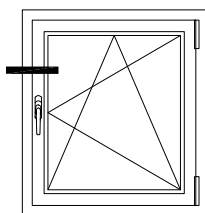
vanjska toplinska izolacija i završni izgled
hidroizolacija (paropropusna i vodonepropusna traka) -
(npr. Iso Chemie: Iso Connect Outside CX)
termoizolacija (exp.spužvica: Iso Chemie: ISO Bloco One)
430.073-turbovijak (npr.fischer FFS 7.5x72)
parna brana (paro- i vodonepropusna traka) -
(npr. Iso Chemie: Iso Connect Inside CX)
unutarnja obrada i završni izgled
outside thermo insulation, finishing surface
hydroisolation (vapourpermable and water proof tape) -
(eg. Iso Chemie: Iso Connect Outside CX)
thermal insulation (Expanding joint sealing foam tape:Iso Chemie ISO Bloco One)
430.073-turboscrew (eg.fischer FFS 7.5x72)
vapour barrier(vapourpermable and water proof tape)
(eg. Iso Chemie: Iso Connect Inside CX)
inside facing and final look



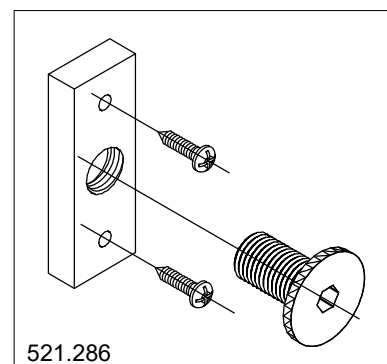
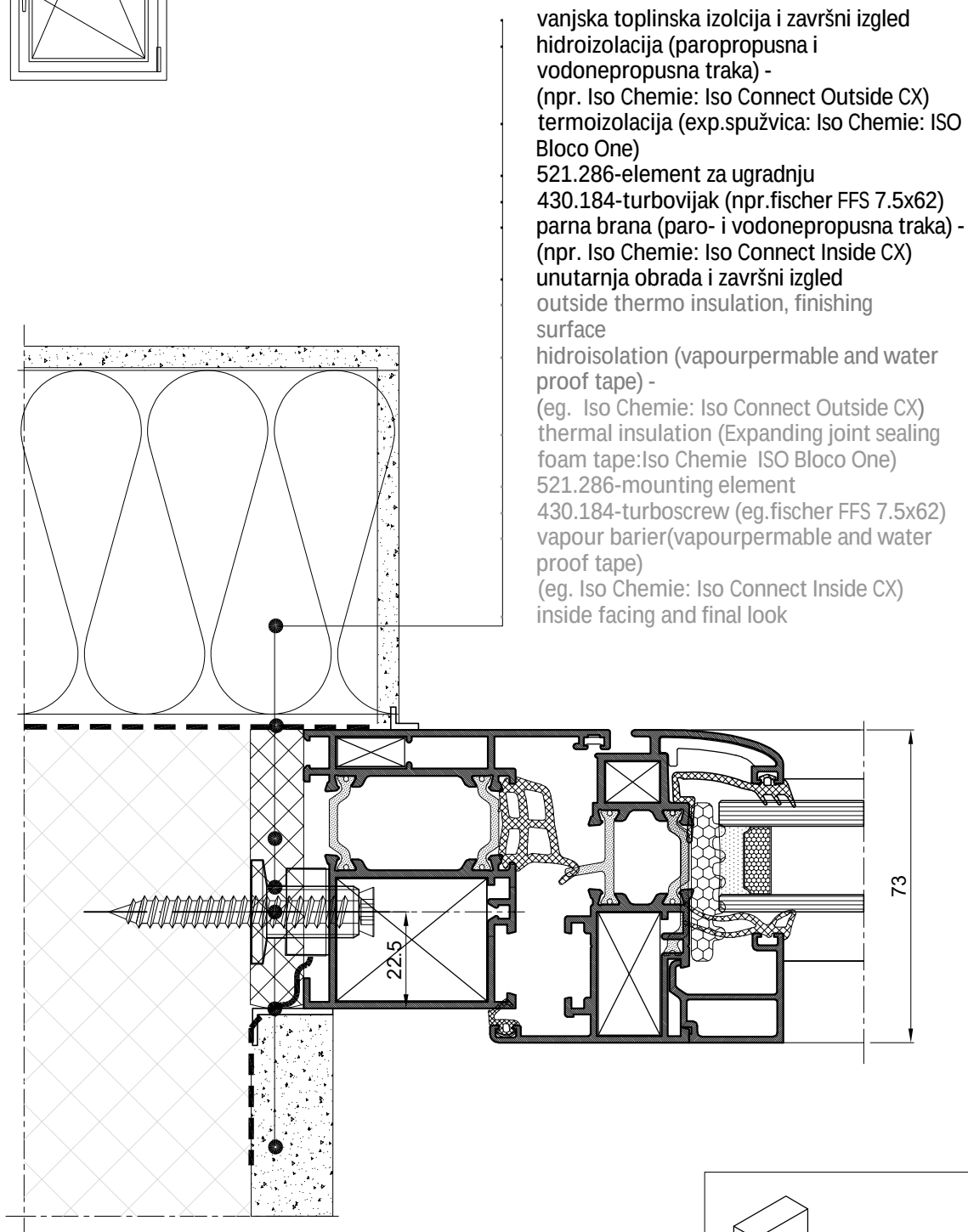
Ugradnja prema RAL standardu
Installation for RAL standards

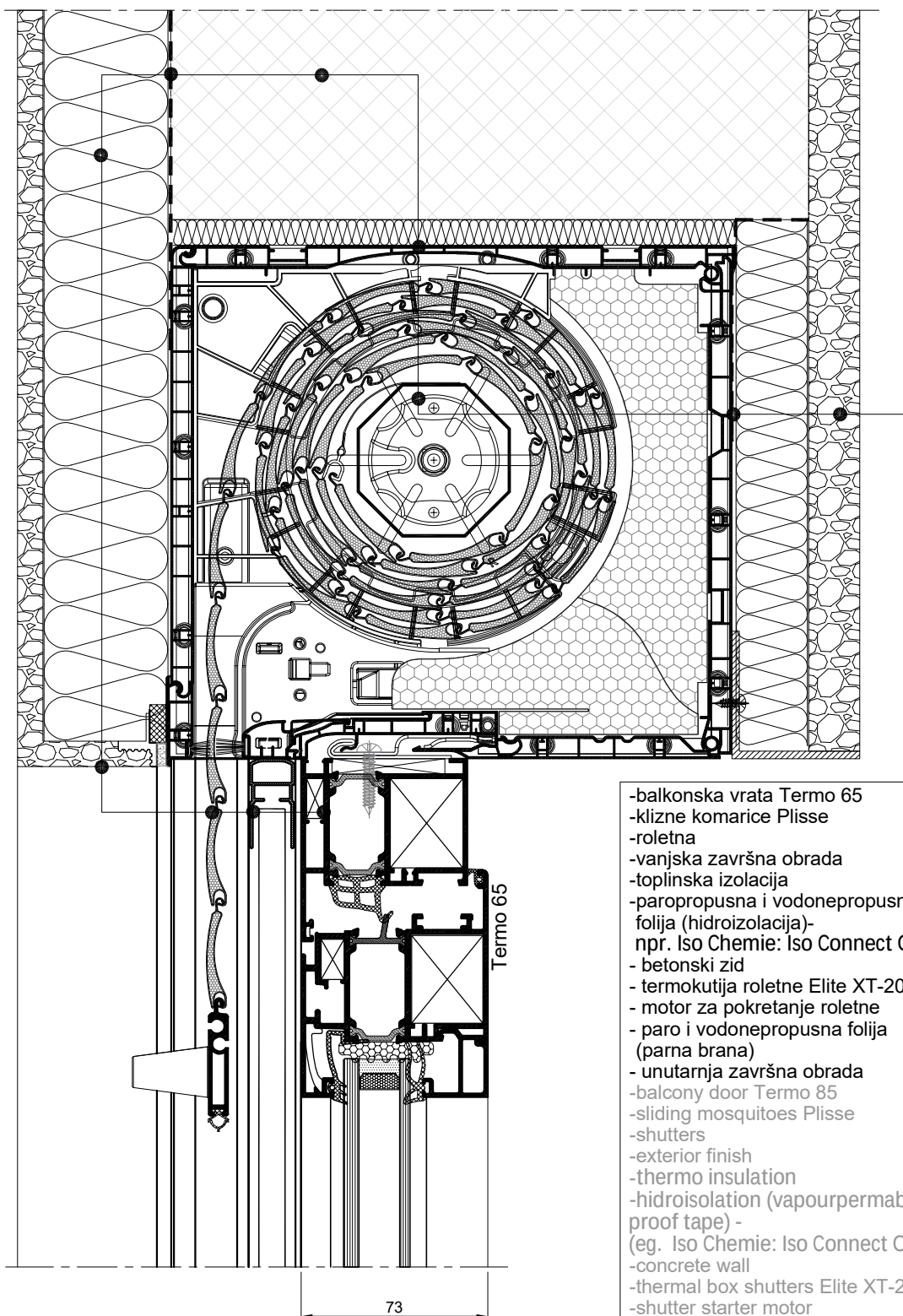
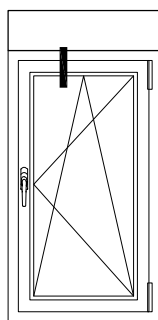


vanjska toplinska izolacija i završni izgled
hidroizolacija (paropropusna i
vodonepropusna traka) -
(npr. Iso Chemie: Iso Connect Outside CX)
termoizolacija (exp.spužvica: Iso Chemie: ISO
Bloco One)
430.184-turbovijak (npr.fischer FFS 7.5x62)
parna brana (paro- i vodonepropusna traka) -
(npr. Iso Chemie: Iso Connect Inside CX)
unutarnja obrada i završni izgled
outside thermo insulation, finishing
surface
hidroisolation (vapourpermable and water
proof tape) -
(eg. Iso Chemie: Iso Connect Outside CX)
thermal insulation (Expanding joint sealing
foam tape:Iso Chemie ISO Bloco One)
430.184-turboscrew (eg.fischer FFS 7.5x62)
vapour barrier(vapourpermable and water
proof tape)
(eg. Iso Chemie: Iso Connect Inside CX)
inside facing and final look

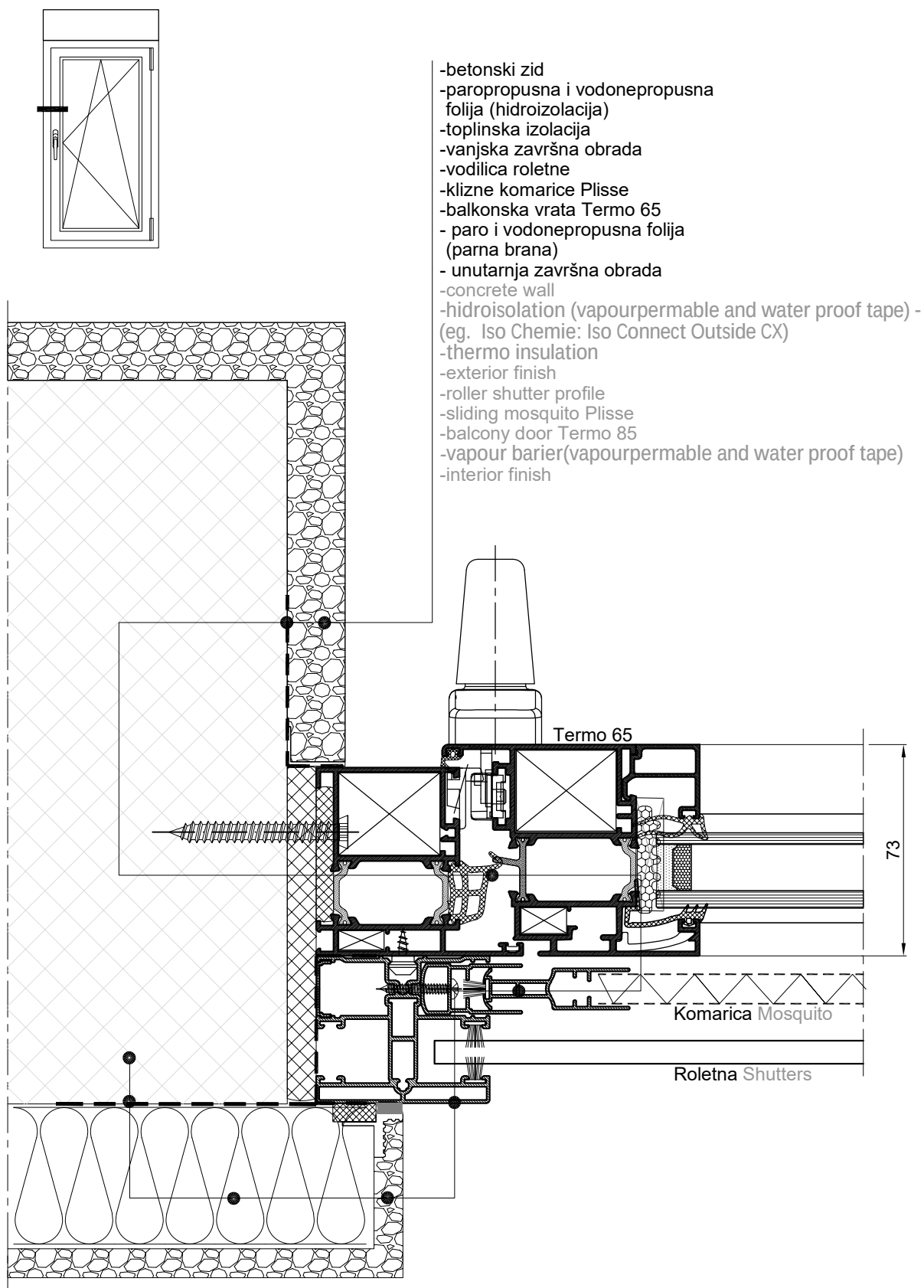


Ugradnja sa elementom za ugradnju 521.286
Installation for Installation with mounting element 521.286



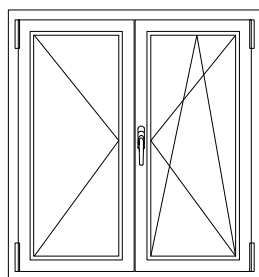
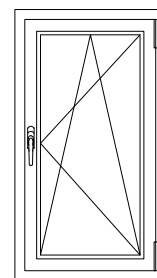
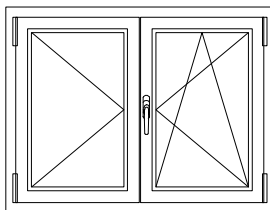
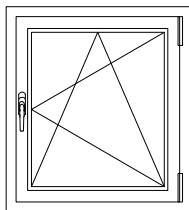


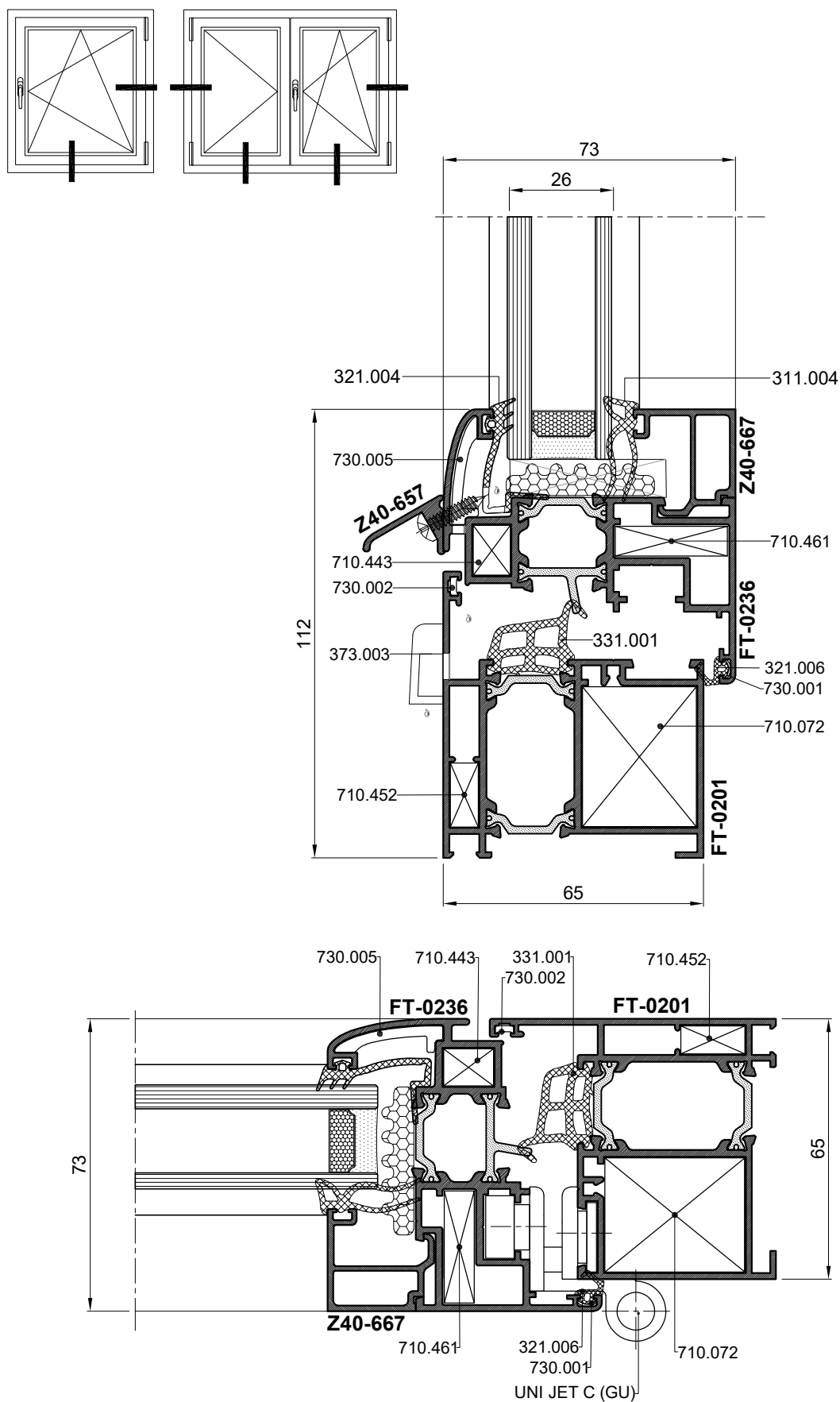
- balkonska vrata Termo 65
- klizne komarice Plisse
- roletna
- vanjska završna obrada
- toplinska izolacija
- paropropusna i vodonepropusna folija (hidroizolacija)-
- npr. Iso Chemie: Iso Connect Outside CX
- betonski zid
- termokutija roletne Elite XT-200x220
- motor za pokretanje roletne
- paro i vodonepropusna folija (parna brana)
- unutarnja završna obrada
- balcony door Termo 85
- sliding mosquitoes Plisse
- shutters
- exterior finish
- thermo insulation
- hidroisolation (vapourpermable and water proof tape) -
- (eg. Iso Chemie: Iso Connect Outside CX)
- concrete wall
- thermal box shutters Elite XT-200x220
- shutter starter motor
- vapour barrier(vapourpermable and water proof tape)
- interior finish

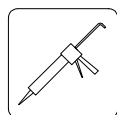
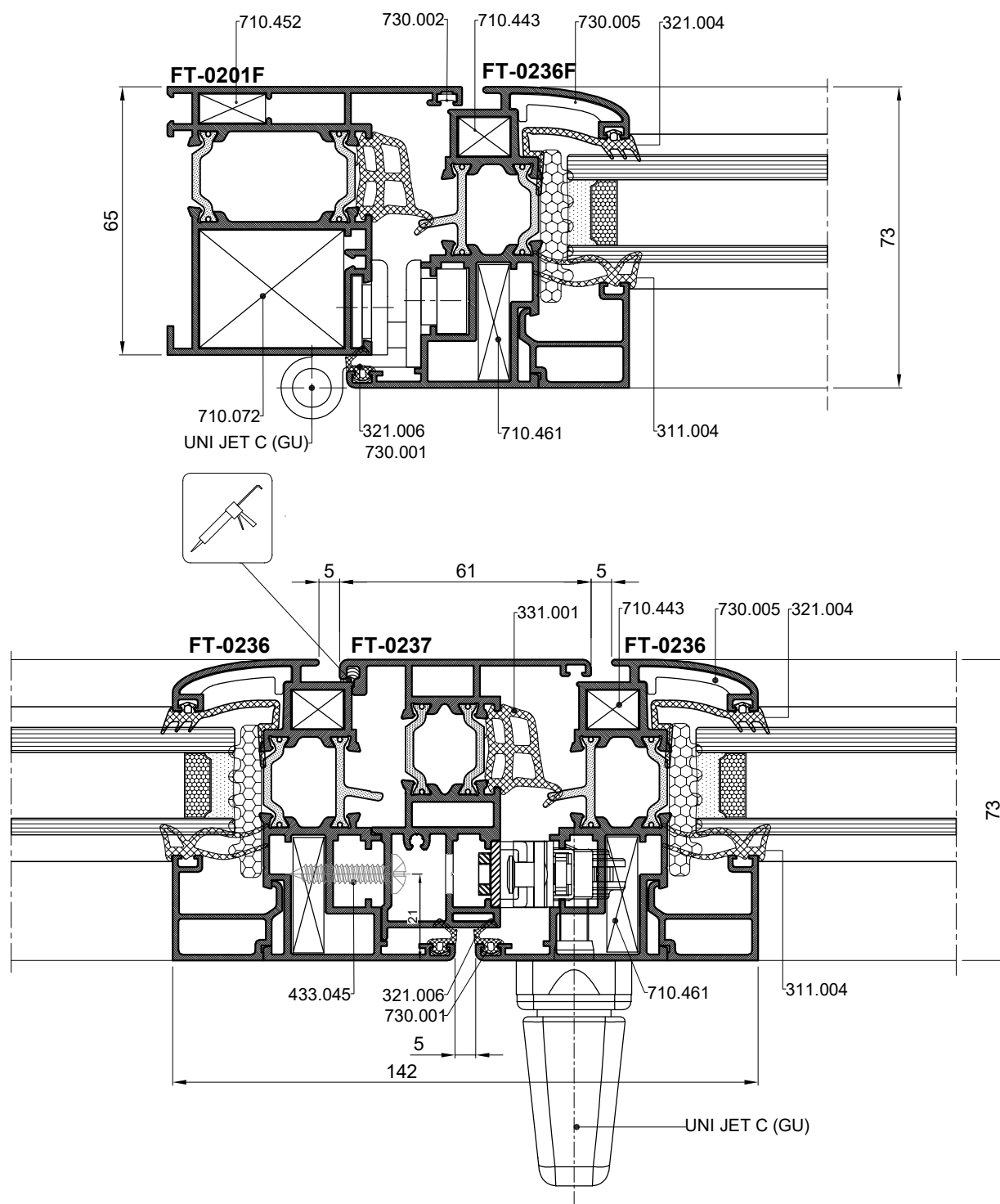
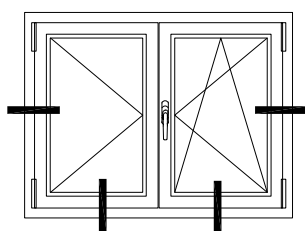


Profili sa žlijebom 16/13

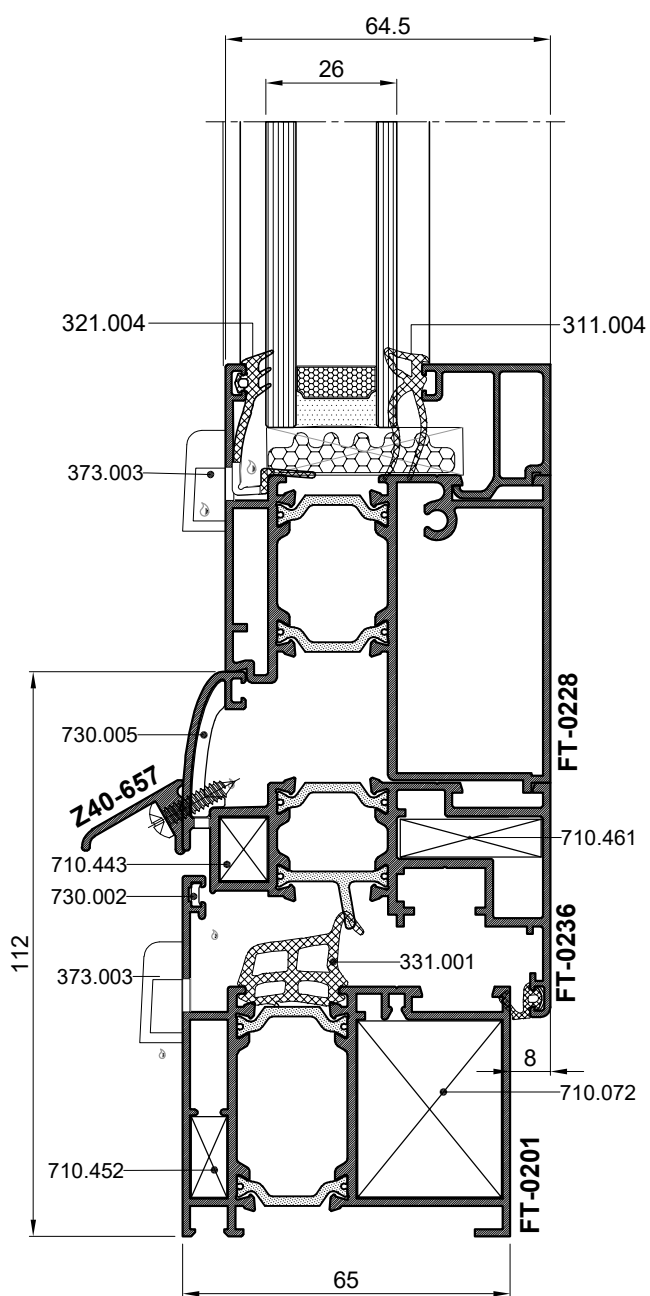
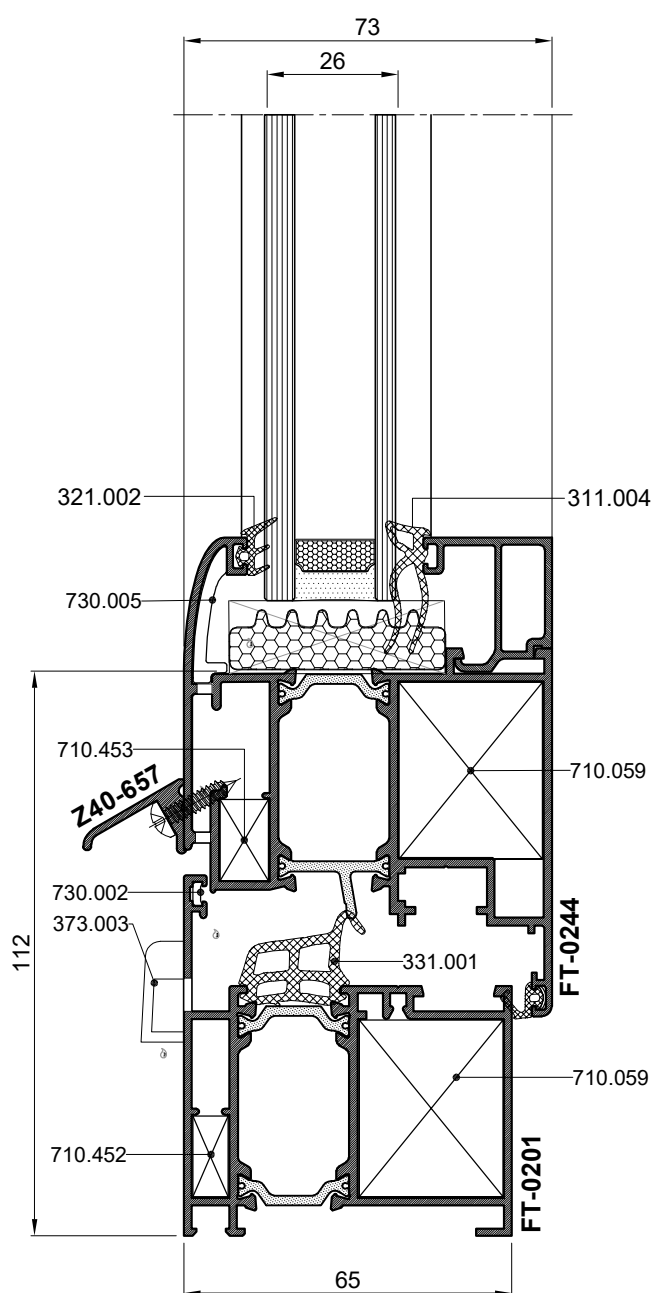
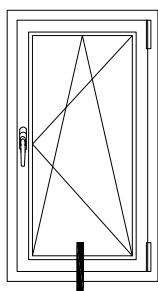
Grooved profiles 16/13

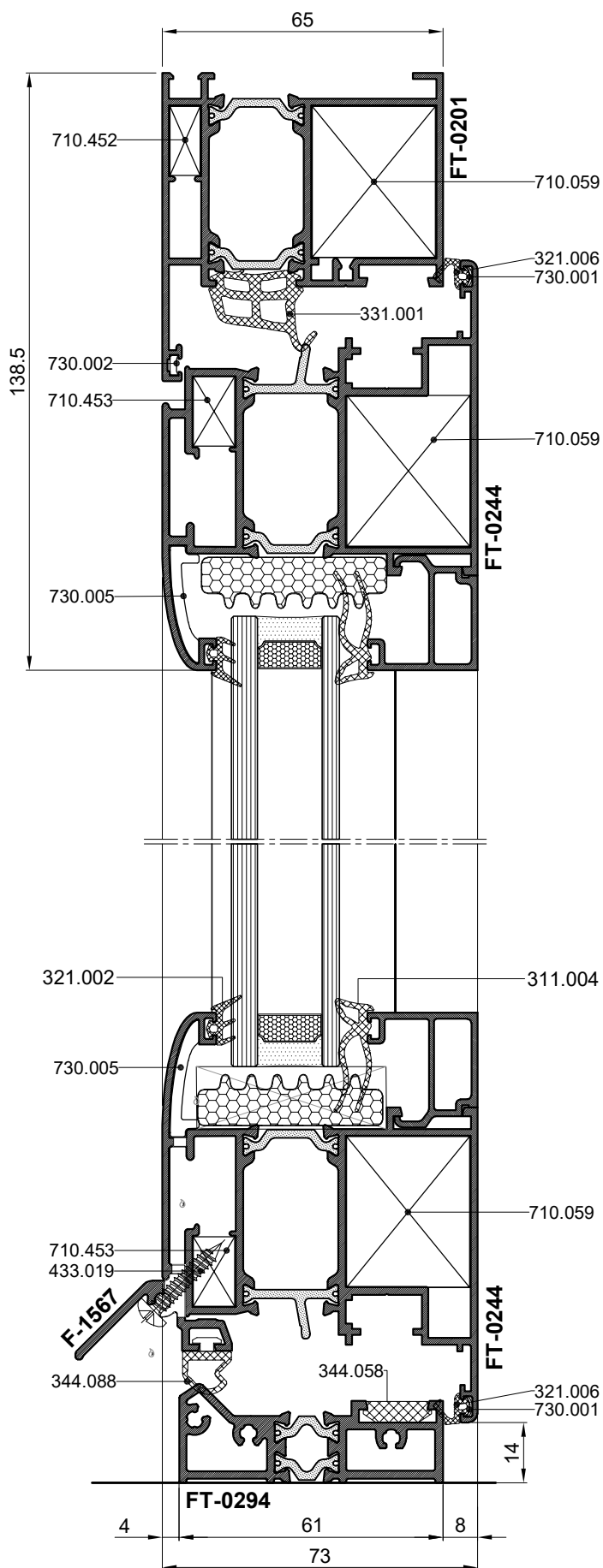
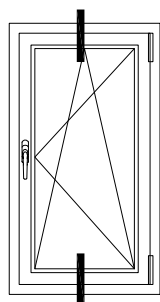


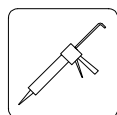
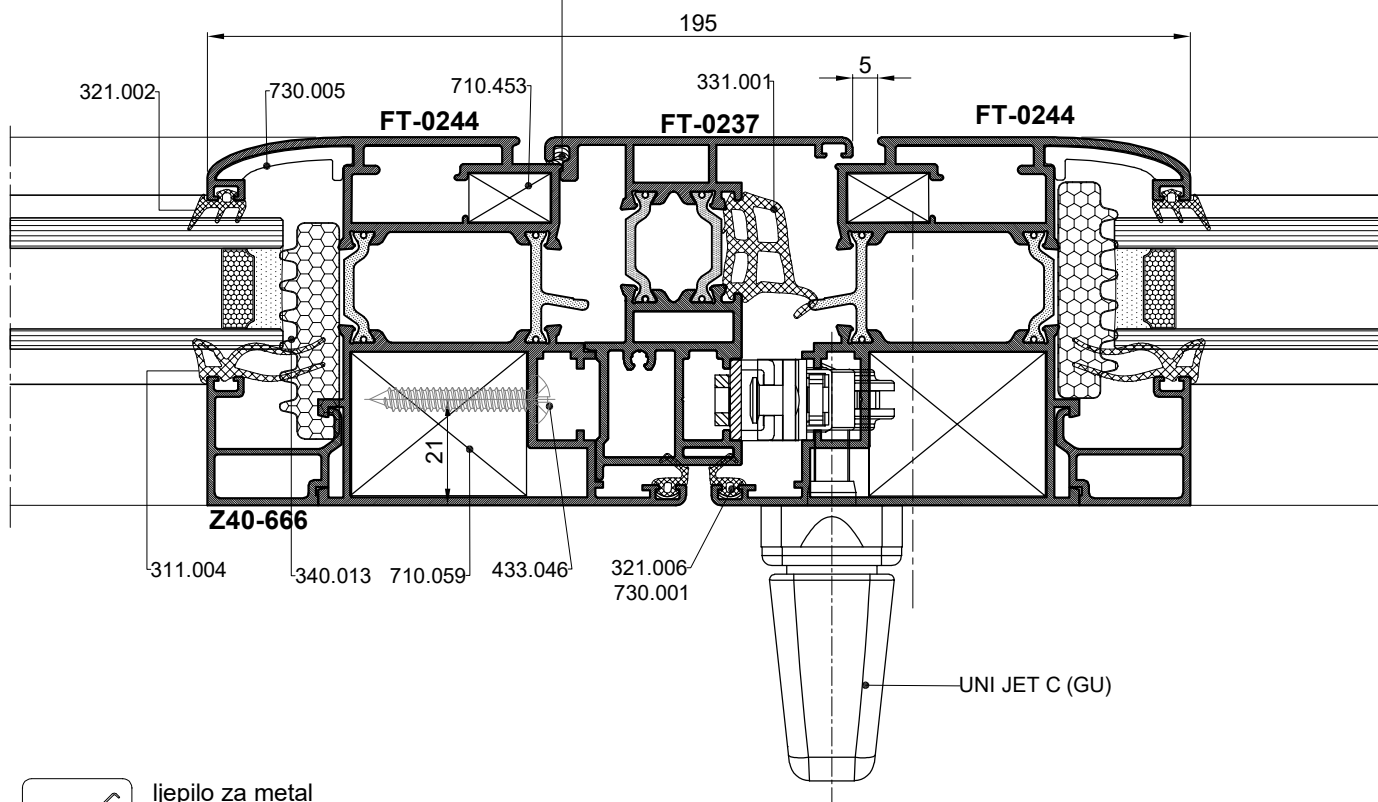
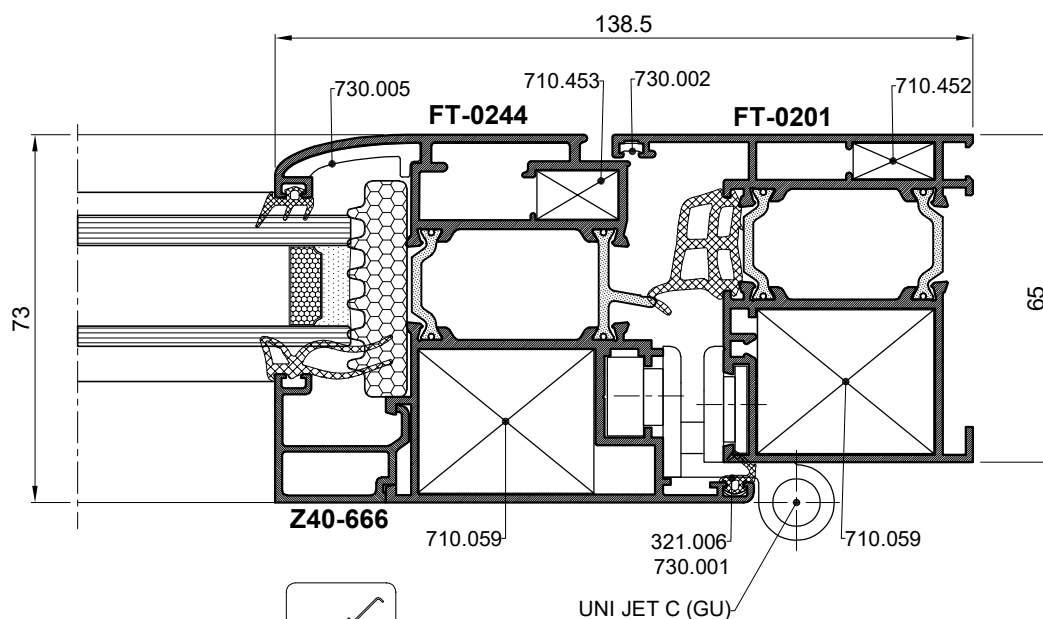
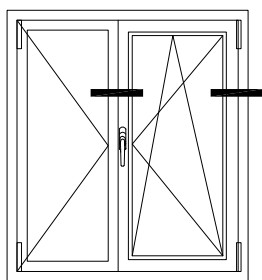




ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)







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

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TERMO 65

Knjiga A / *Book A*
Siječanj 2020. / *January 2020*

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