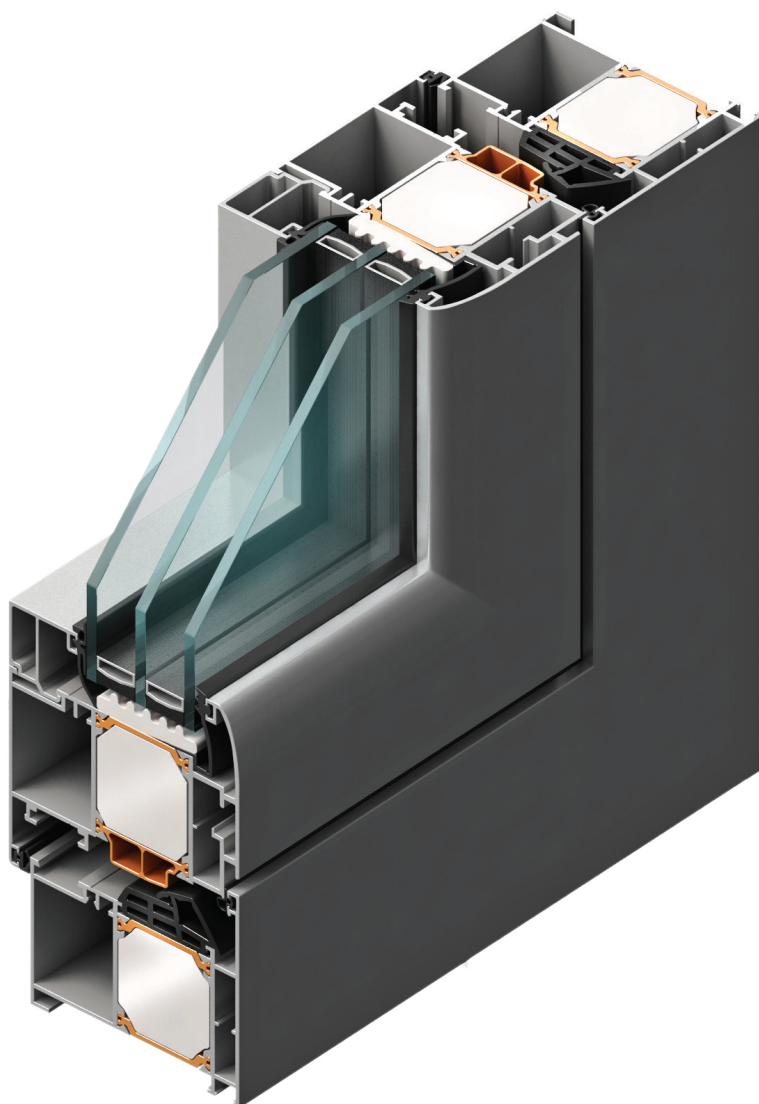


FEAL



TERMO 60

PROZORI I VRATA
WINDOWS AND DOORS

Knjiga A / *Book A*

SADRŽAJ CONTENT

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Značajke sistema

System characteristics

OPIS SISTEMA:

Sistem TERMO 60 se koristi za izradu prozora, vrata (otvaranje unutra i vani) i fiksnih stijena. To je sistem profila sa prekinutim termičkim mostom, osnovne ugradbene dubine dovratnika 60 i 68 mm, Pored osnovne varijante dovratnika/krila sa ravnim linijama, moguće su izvedbe dovratnika/krila i sa zaobljenim vanjskim linijama.

Prekid termičkog mosta se postiže poliamidnim trakama širine 24 i 26 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, otklopno-zaokretno, vrata sa otvaranjem prema unutra i prema vani.

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

Mogućnost odabira profila sa žlijebom 16/9.

Okov koji se ugrađuje u sistem je standardni za eurožlijeb 15/20 i za žlijeb 16/9.

Karakteristike sistema:

-materijal.....	EN AW-6060
-max.masa krila.....	130 kg
-moguća debljina ispune.....	4-54 mm
-zrakopropusnost.....	EN 12207 (klasa 4)
-vodonepropusnost.....	EN 12208 (klasa E900)
-zaštita od buke.....	DIN 4109 (Rw=39 dB)
-protuprovalnost.....	EN 1627 (RC2)
-proračun Uw koeficijenta.....	DIN EN ISO 10077-2 ($\geq 1,2 \text{ Wm}^2/\text{K}$)
-otpornost na udar vjetrova.....	EN 12210 (klasa C4/B4)
-materijal za brtvljenje (EPDM).....	DIN 7863
-površinska obrada.....	DIN 17611
-kontrola kvalitete.....	DIN EN ISO 9001

SYSTEM DESCRIPTION:

The system TERMO 60 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 60 i 68 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 24 and 26 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.

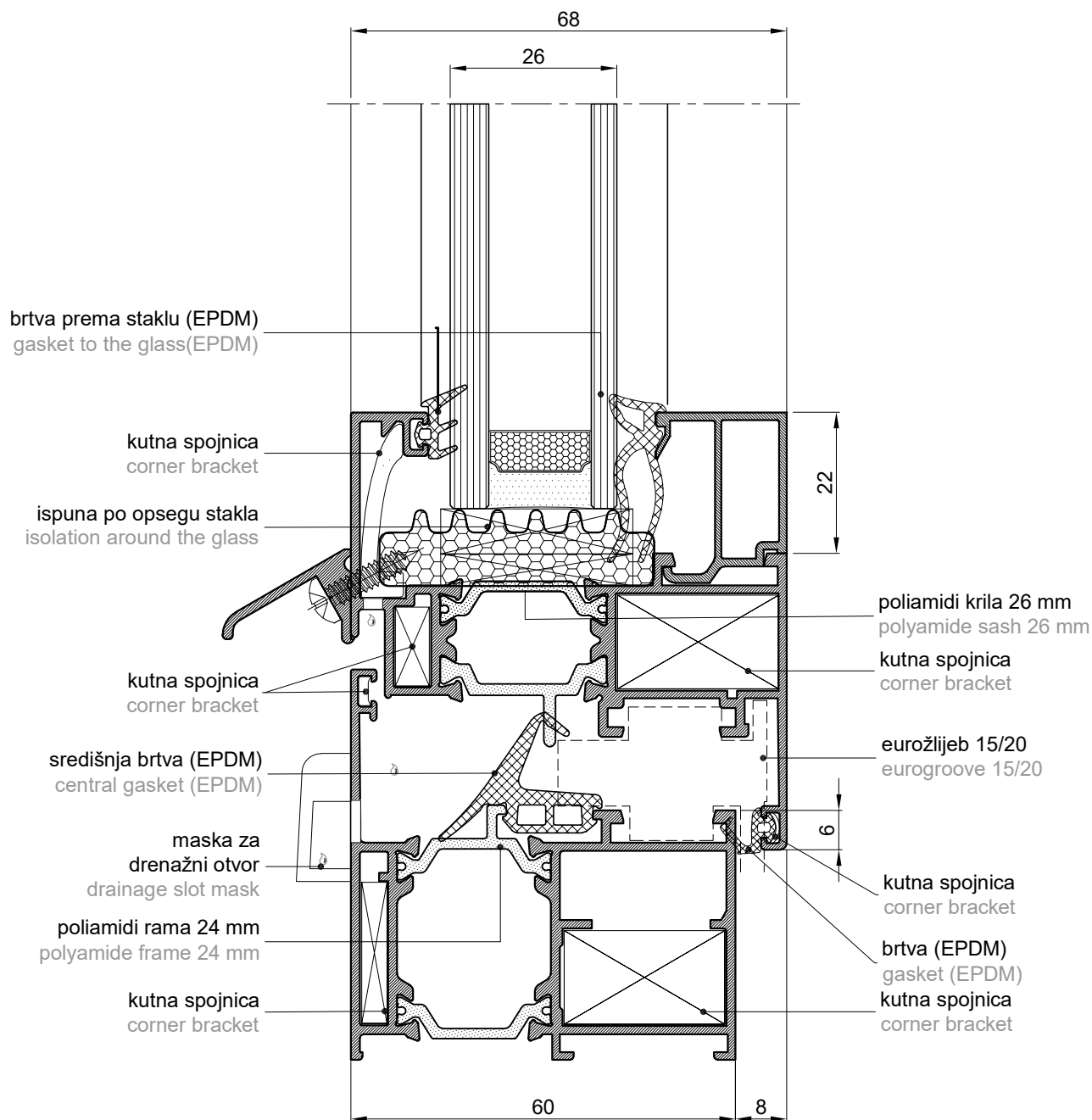
System is compatibility with facade systems 50FK/KS i 60K/S.

Possibility selection the profile with groove 16/9

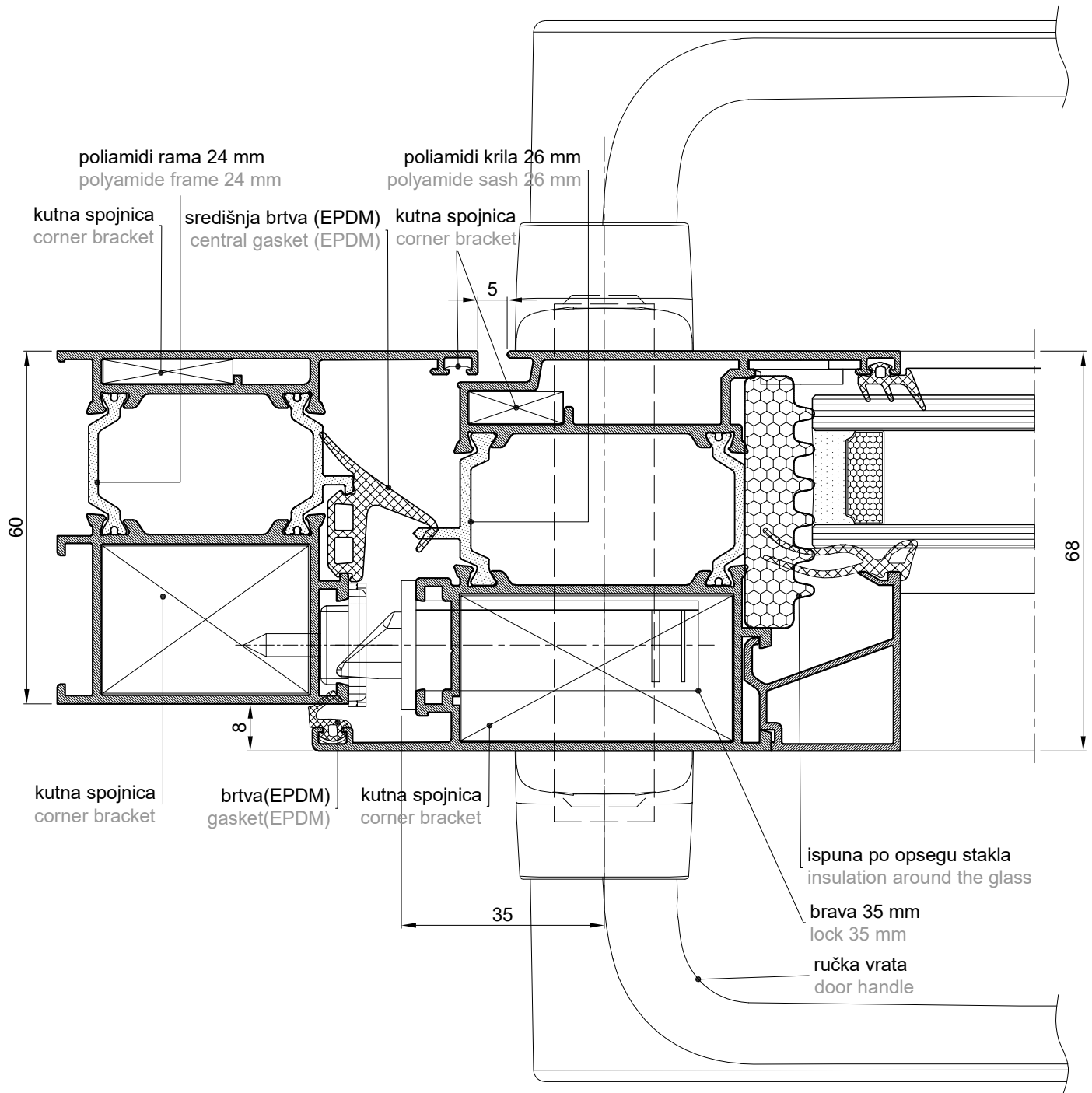
The hardware which are installation in the this system is standard for euro groove and for groove 16/9

System characteristics:

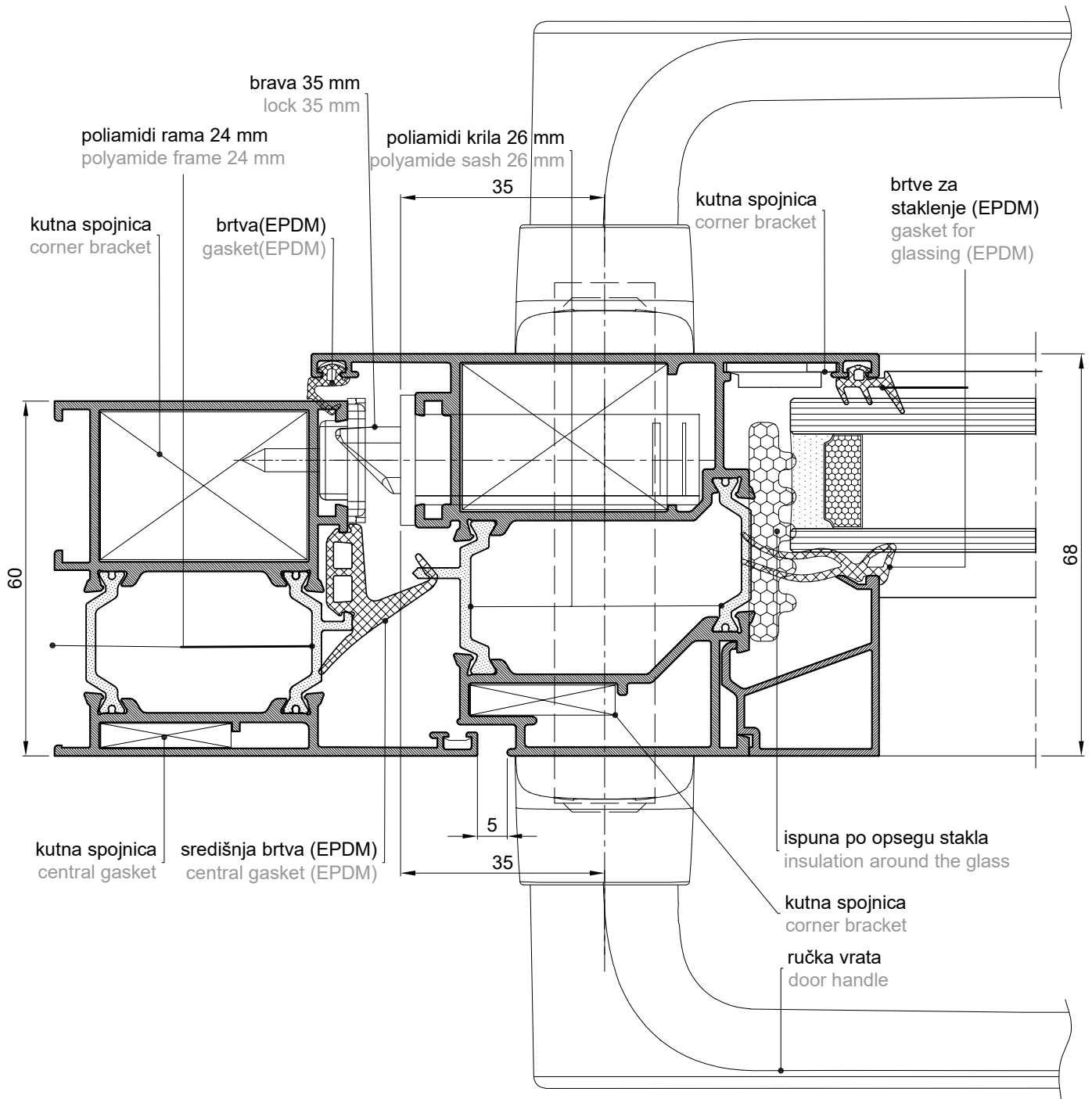
-material.....	EN AW-6060
-mass OZ sash.....	130 kg
-possible infill depth.....	4-54 mm
-air permeability.....	EN 12207 (klasa 4)
-watertightness.....	EN 12208 (klasa E900)
-airborne sound insulation.....	DIN 4109 (Rw=39 dB)
-protection against burglary.....	EN 1627 (RC2)
-Uw calculation.....	DIN EN ISO 10077-2 ($\geq 1,2 \text{ Wm}^2/\text{K}$)
-wind resistance.....	EN 12210 (klasa C44/B4)
-materail for sealing (EPDM).....	DIN 7863
-surface processing.....	DIN 17611
-quality control.....	DIN EN ISO 9001



Sistem ravnih linija vrata System straight lines door



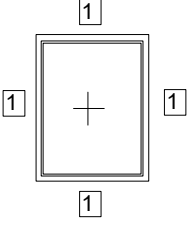
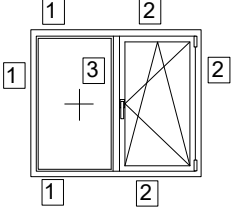
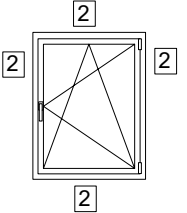
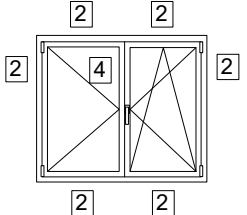
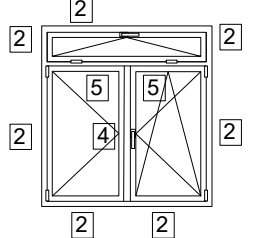
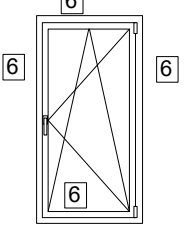
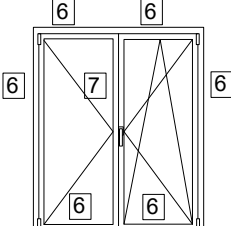
Sistem ravnih linija vrata System straight lines door



Ispitivanja i certifikati

Testing and certificates

ISPITIVANJA I CERTIFIKATI TEST AND CERTIFICATES					
Vrsta ispitivanja Type of test	Jednokrili prozor Single window	Dvokrili prozor Double window	Dvokrili prozor s nadsvjetlom Double window with vent.	Jed.balk.vrata Single balcony door	Jedn. vrata otv. vani Single door
Zrakopropusnost Air permeability EN12207	class 4	class 4	class 4	class 4	
Vodonepropusnost Watertightness EN 12208	E900	8A	9A	9A	
Vjetronepropusnost Resistance to wind EN 12210	C4/B4	C3/B3	C3/B3	C4/B4	
Buka Rw Airborne sound reduction EN ISO 717-1	39 dB				37 dB
Protuprovalnost Protection against burglary EN 1627	RC2				
Pendtl test Impact resistance test EN 13049	3				
Toplinska provodljivost prozora, u skladu s EN ISO 10077-1, je Uw=1.2 [W/m²K] Thermal conductivity windows, in accordant with EN ISO 10077-1, je Uw=1.2 [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)	1.8 * 2.5							0.7	≥ 1.0 * ≥ 1.2
									1.1	≥ 1.4 * ≥ 1.5
	-otkl.-zao.s fiks. dijelom -tilt & turn with fixed field (1600x1480)	1.8 * 2.5	2.0 * 2.5	1.9 * 2.4					0.7	≥ 1.2 * ≥ 1.4
									1.1	≥ 1.5 * ≥ 1.7
	-otklopno -zaokretno - tilt & turn window (1230x1480)		2.0 * 2.5						0.7	≥ 1.2 * ≥ 1.4
									1.1	≥ 1.5 * ≥ 1.6
	-dvokrilno otklopno -zaokretno -double sash tilt & turn window (1600x1480)		2.0 * 2.5		2.2 * 2.5				0.7	≥ 1.3 * ≥ 1.5
									1.1	≥ 1.6 * ≥ 1.7
	-dvokrilno otkl. -zaok. s nadsvijetlom -double sash tilt & turn with overhead op. (1600x1980)		2.0 * 2.5		2.2 * 2.5	2.1 * 2.4			0.7	≥ 1.3 * ≥ 1.5
									1.1	≥ 1.6 * ≥ 1.8
	-balkonska vrata -balcony door (1100x2200)						1.9 * 2.6		0.7	≥ 1.2 * ≥ 1.4
									1.1	≥ 1.5 * ≥ 1.7
	-dvokrilna balkonska vrata -double balcony door (1600x2200)						1.9 * 2.6	2.0 * 2.6	0.7	≥ 1.3 * ≥ 1.5
									1.1	≥ 1.5 * ≥ 1.8

* Uf i Uw izračuni bez XPS ispuna u profilima

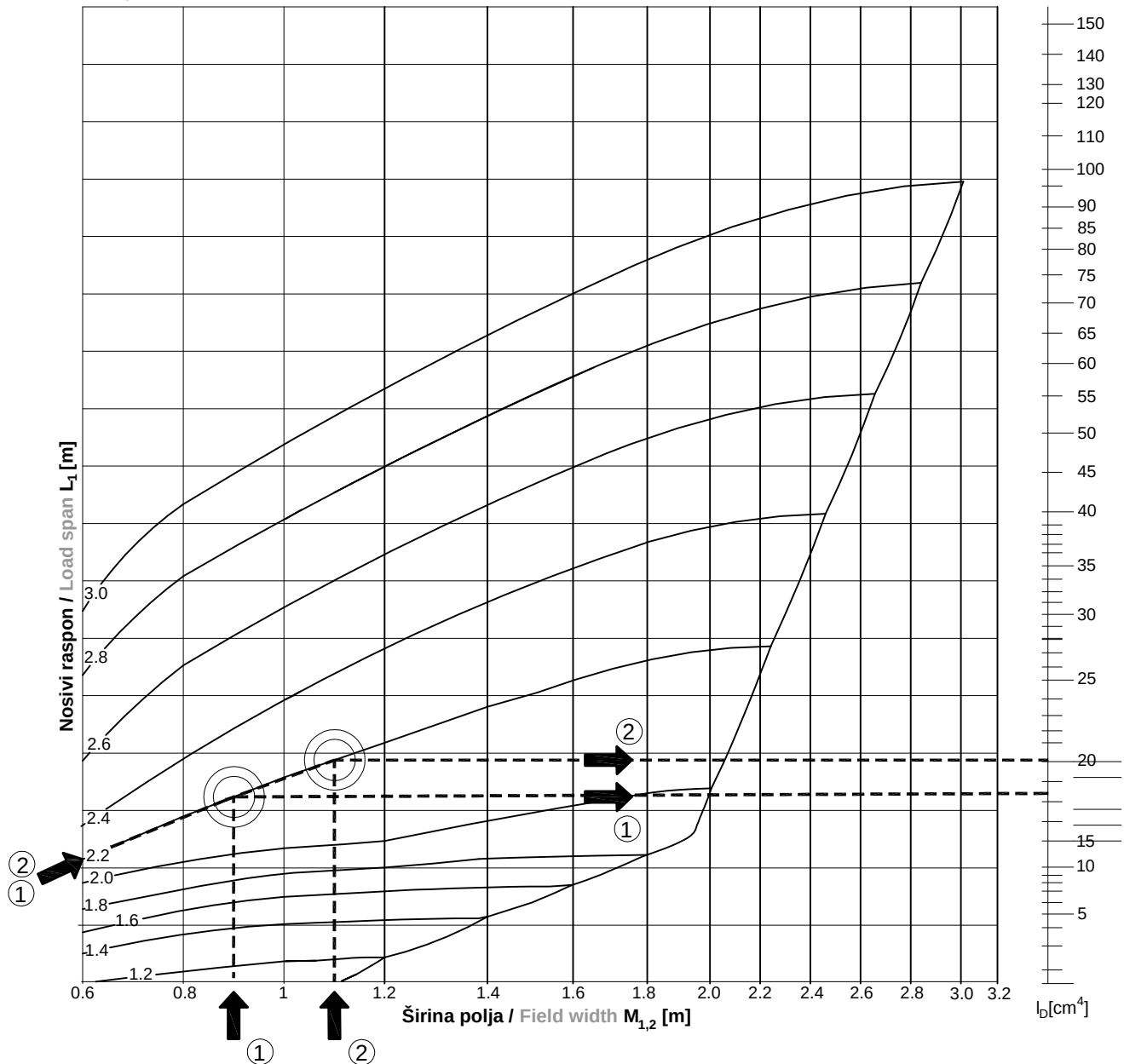
* Uf i Uw calculations without XPS isolation in the profiles

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:

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

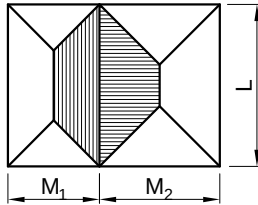
$$M_2 = 1.1 \text{ m}$$

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

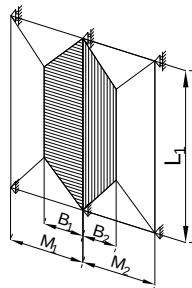
5. Odabirati profil iz tablice

Select the profile from the table

Statičke jednadžbe Structural formulas

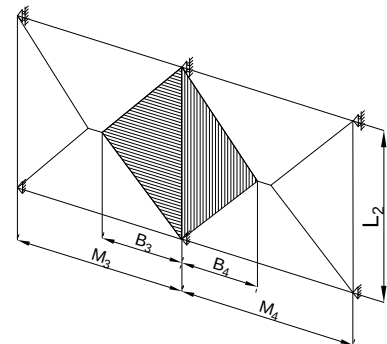
Trapezoidno opterećenje

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



Trokutasto opterećenje

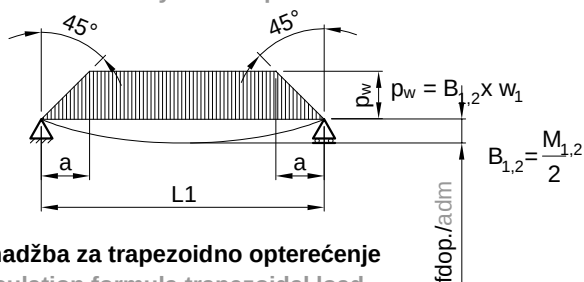
$$M_{3,4} \geq L_2$$



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



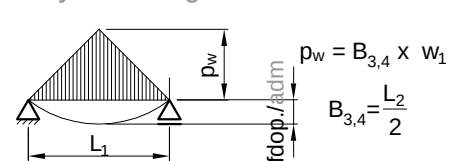
Jednadžba za trapezoidno opterećenje

Calculation formula trapezoidal load

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

Statički sistem trokutastog opterećenja

Statical system triangular load



Jednadžba za trokutasto opterećenje

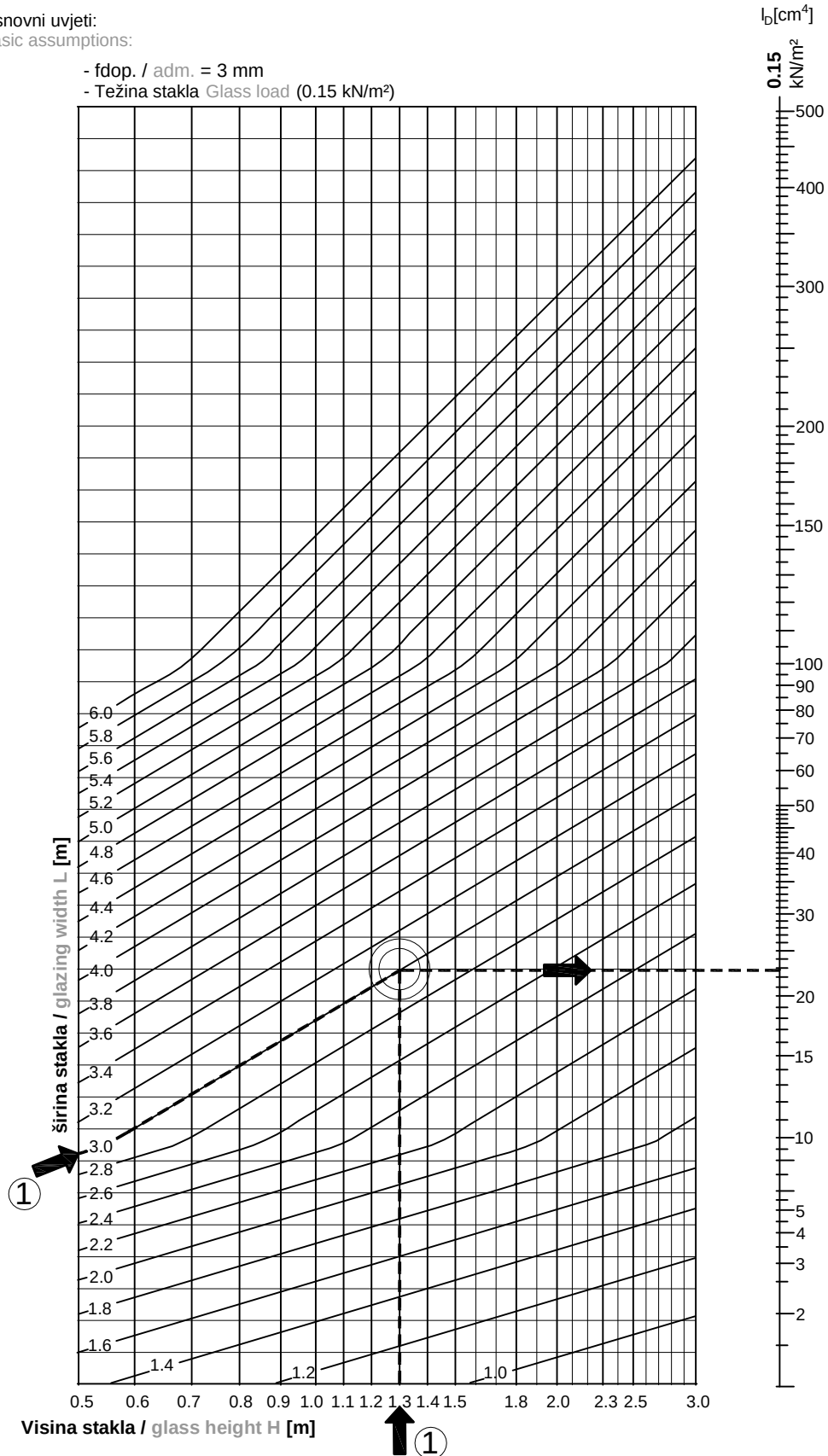
Calculation formula triangular load

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

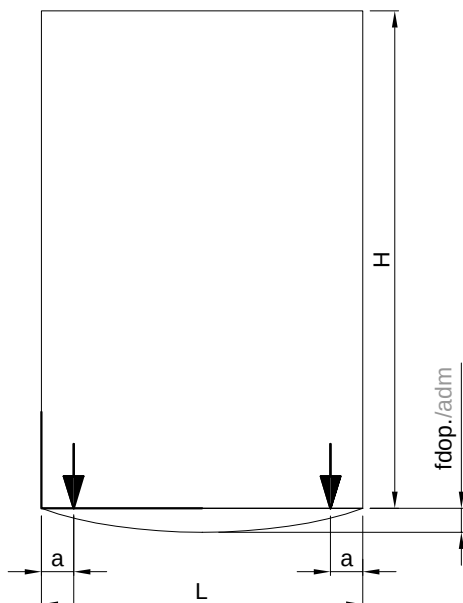
Statički dijagram Težina stakla Structural diagram glass load

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 m

Visina stakla / Glass height:

H = 1.30 m

Debljina stakla / Glass thickness:

D = 20 mm*

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

2. Određivanje potrebnog momenta I_y pod jediničnim opt. 0.15 kN/m² Determination of required moment I_y under unit load 0.15 kN/m²

za / for q_s 0.15 kN/m²

$I_{y0.15} = 23 \text{ cm}^4$ (① dijagram / diagram)

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

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

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



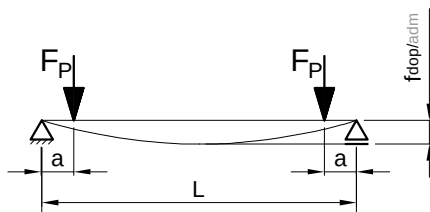
Vlastita težina profila nije uzeta u opterećenje !
The dead weight of the profile is not considered !

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

Statičke jednadžbe

Structural formulas

Nosač na dva oslonca / Beam on 2 supports



a = 150 mm fiksno / fixed

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

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

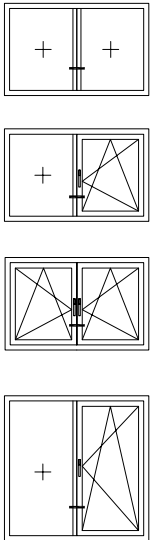
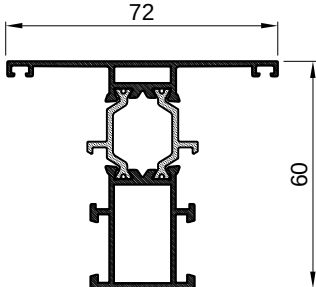
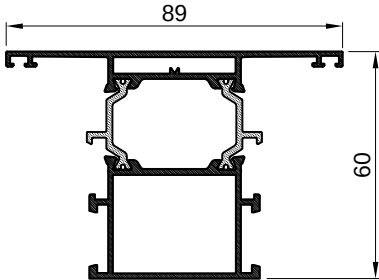
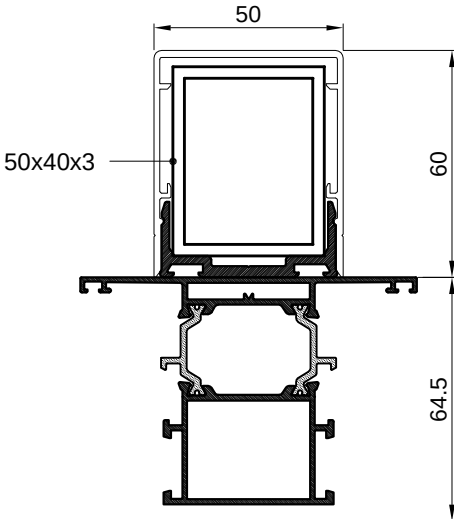
I_y (cm⁴) = Moment inercije / Moment of inertia
 F_p (kN) = Pojedinačno opterećenje / Single load
 a (cm) = Udaljenost oslonca / Support distance
 H (cm) = Visina stakla / Glass height
 L (cm) = Širina stakla / Glass width
 q_s (kN/cm²) = Težina stakla / Glass weight
 $f_{dop./adm.}$ (cm) = dop.progib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

Tablica 1. Težina stakla
Table 1. Glass weight

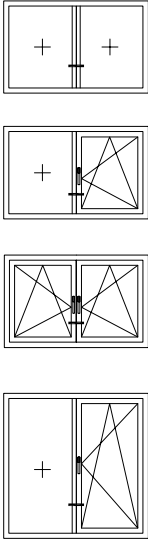
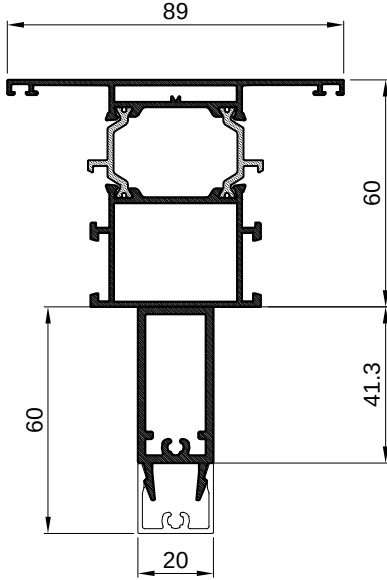
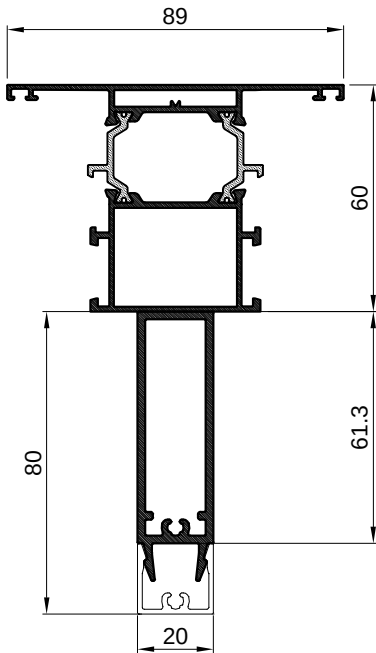
Koeficijent K Coefficient K	1	1.33	1.66	2	2.33	2.66	3	3.33	3.66	4	4.33	4.66	5	5.33	5.66	6	6.33	6.66	7	7.33	7.66	8
kN/m ²	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20	1.25
kg/m ²	15	20	25	30	35	40	45	50	55	60	65	70	80	85	90	95	100	105	110	115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



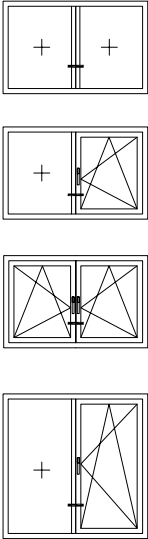
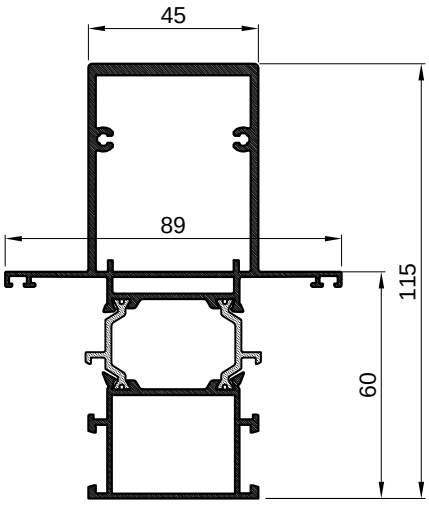
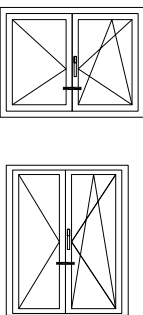
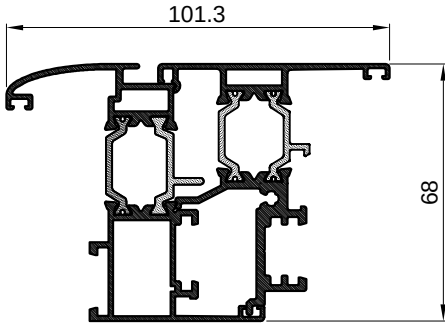
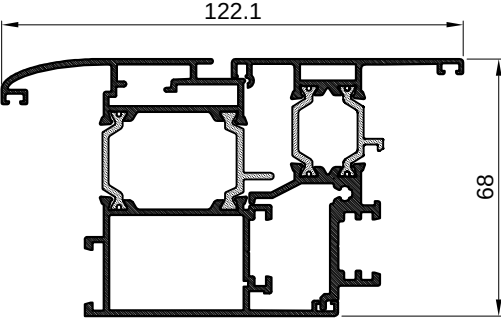
Vrijednosti momenta inercije
Moment of inertia values

Tip otvaranja Opening type	Profili Profiles	Izgled View	I_x (cm ⁴)	I_y (cm ⁴)
	FT-0621		12.84	6.82
	FT-0622		16.8	16.76
	FT-0622+ čel.profil 50x40x3		26.04	22.27

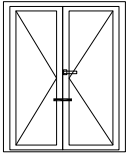
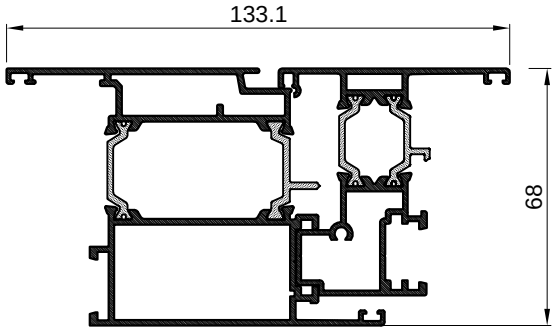
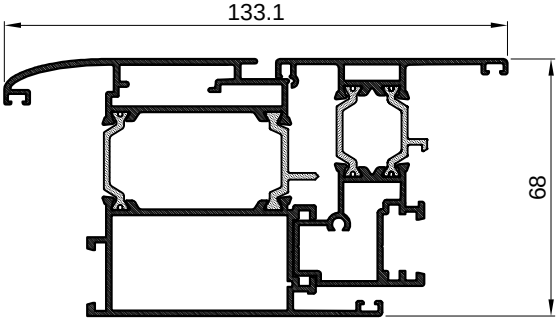
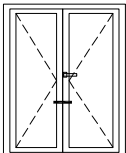
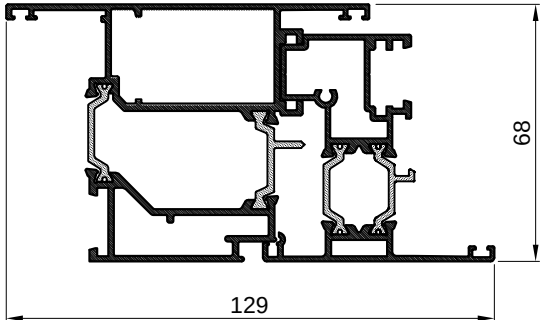
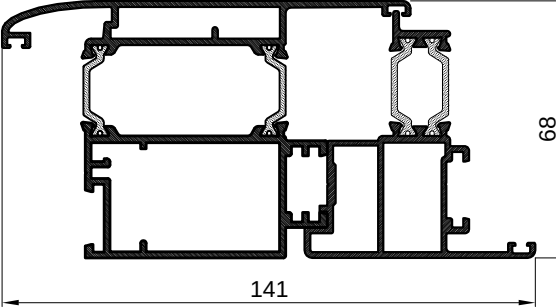
Vrijednosti momenta inercije
Moment of inertia values

Tip otvaranja Opening type	Profili Profiles	Izgled View	I_x (cm ⁴)	I_y (cm ⁴)
	FT-0622+ F-1634		75.91	18.45
	FT-0622+ NP-4183		119.01	19.1

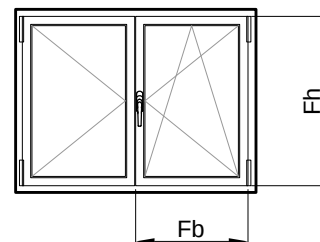
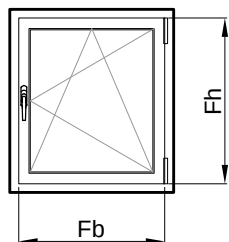
Vrijednosti momenta inercije
 Moment of inertia values

Tip otvaranja Opening type	Profili Profiles	Izgled View	I_x (cm ⁴)	I_y (cm ⁴)
	FT-0624		87.58	30.04
	FT-0622 + FT-0635		30.49	12.76
	FT-0615 + FT-0635		38.71	26.7

Vrijednosti momenta inercije
Moment of inertia values

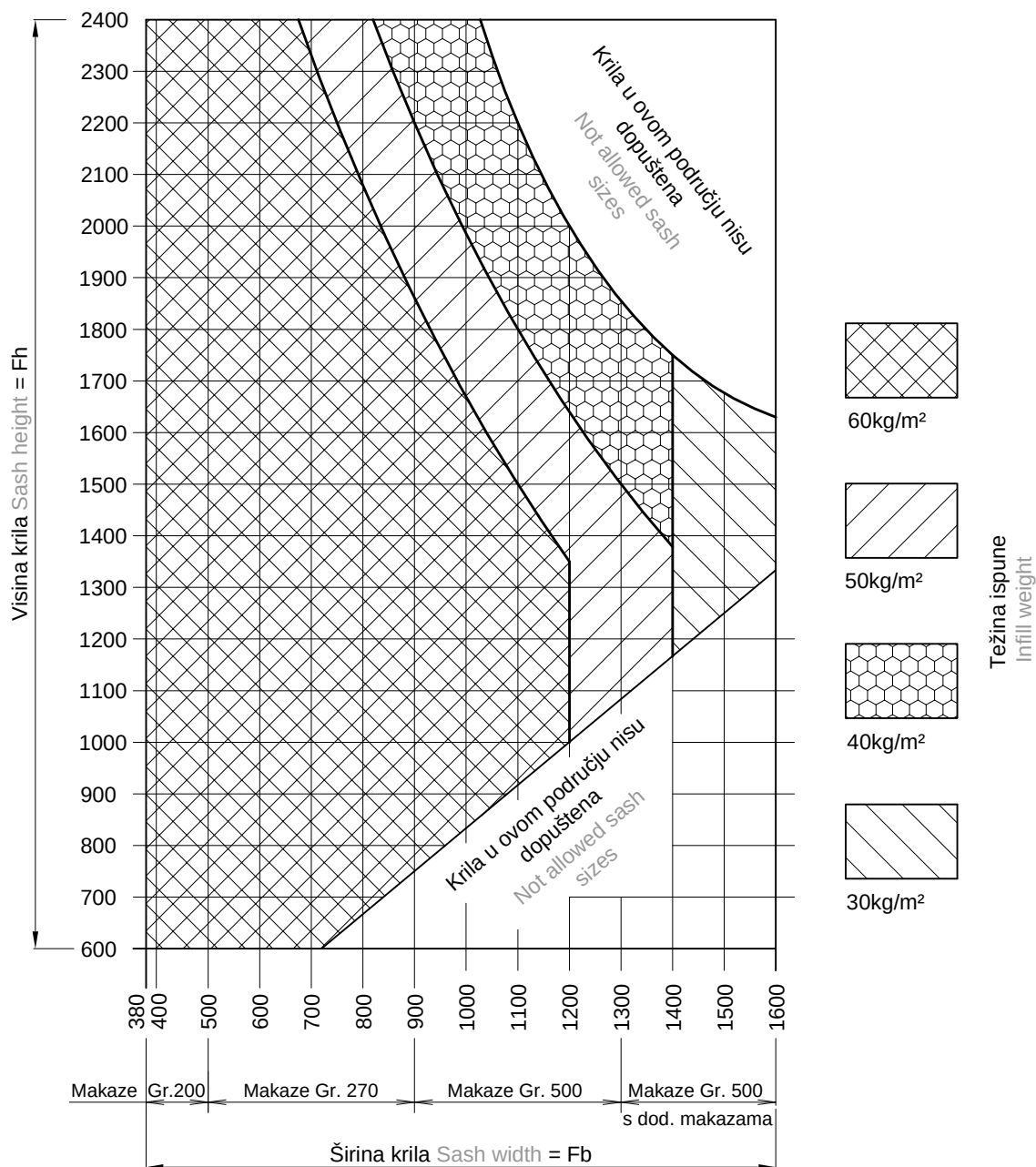
Tip otvaranja Opening type	Profili Profiles	Izgled View	I_x (cm ⁴)	I_y (cm ⁴)
	FT-0650 + FT-0631		42.48	37.25
	FT-0613 + FT-0631		42.78	39.53
	FT-0619 + FT-0631		41.26	34.83
	FT-0614 + FT-0632		43.5	54.09

- DIJAGRAM ZA GLAVNO KRILO OTKLOPNO-ZAOKRETNOG MEHANIZAMA - "EUGEN NOTTER AL 2000"
- DIAGRAM FOR MAIN SASH OF TILT-TURN MECHANISM - "EUGEN NOTTER AL 2000"



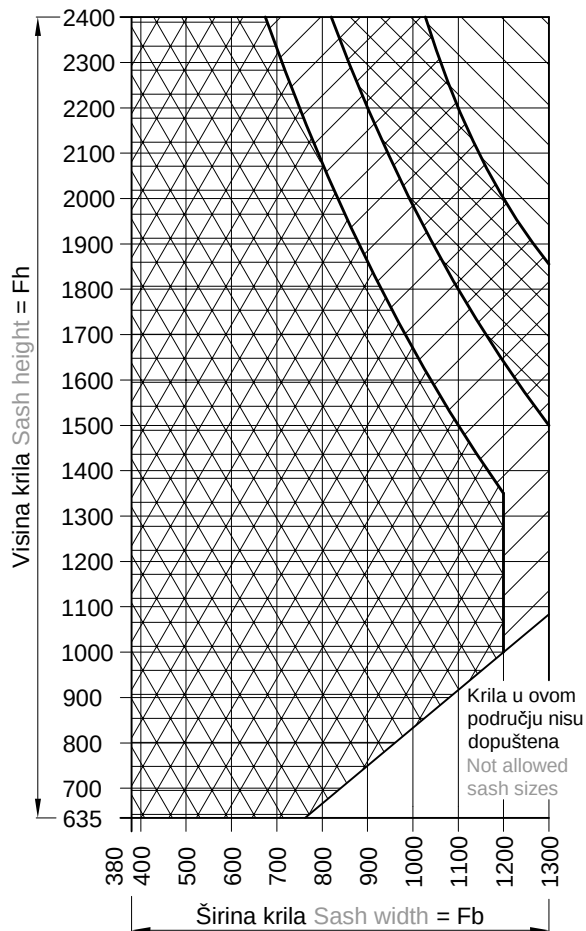
Dijagram za izbor dopuštene veličine krila
za težinu od **100 Kg**

Diagram for selection of allowed sash size
for weight of **100 Kg**



- DIJAGRAM ZA POMOĆNO KRILO OTKLOPNO-ZAOKRETNOG MEHANIZAMA - "EUGEN NOTTER AL 2000"
- DIAGRAM FOR AUXILIARY SASH OF TILT-TURN MECHANISM - "EUGEN NOTTER AL 2000"

Dijagram za izbor dopuštene visine pomoćnog krila maksimalna težina krila 100kg
Diagram for selection of allowed height of auxiliary sash maximal weight 100kg



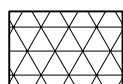
30kg/m²



40kg/m²

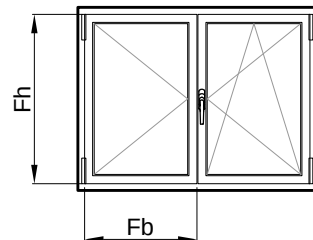


50kg/m²

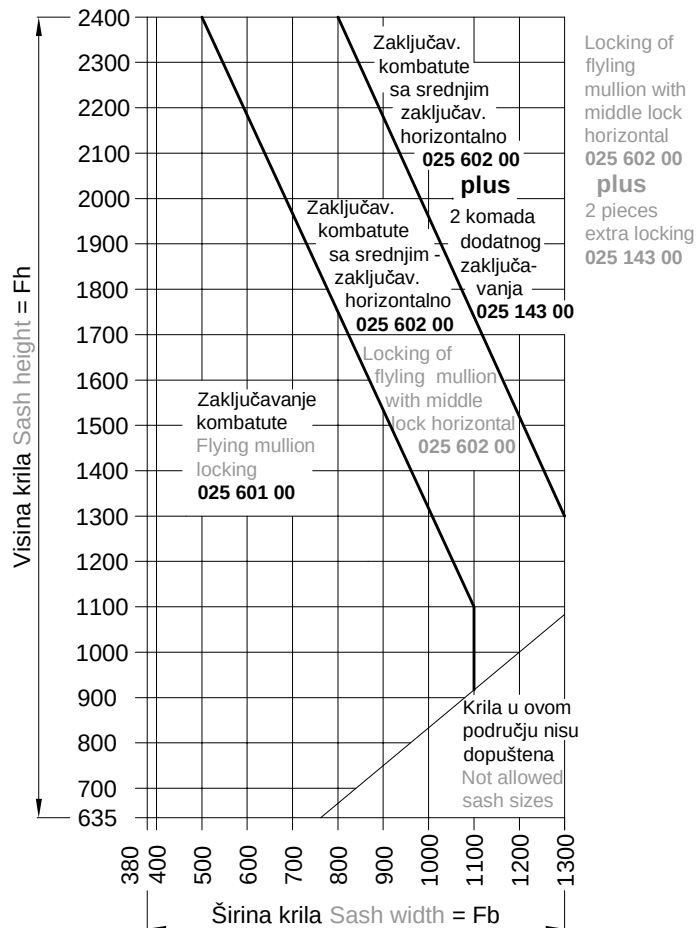


60kg/m²

Težina ispunе
Infill weight



Dijagram za izbor varijante okova
Diagram for selection of hardware



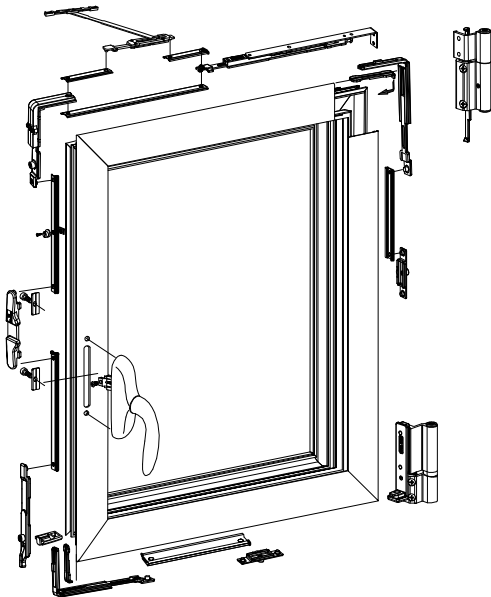
134.000.xx - OTKLOPNO-ZAKRETNI MEHANIZAM - STUBLINA (4035)

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

Maksimalna težina krila 100 kg
Maximum sash weight 100 kg

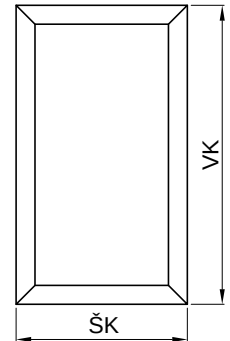
Tabela nosivosti za:
Table of loads:

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



Debljina stakla
Glass thickness

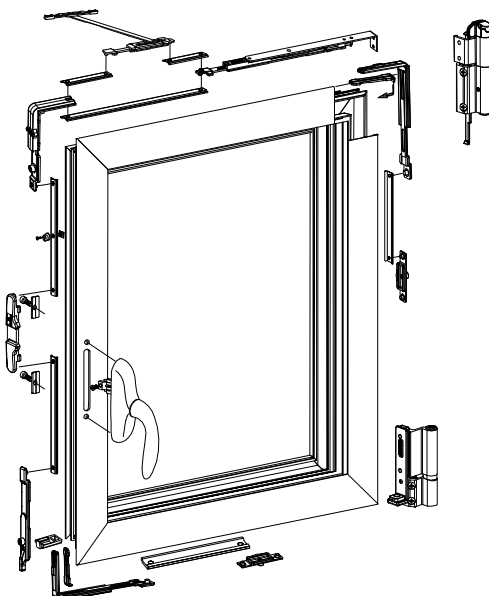
mm	kg/m ²
6	15
8	20
10	25
12	30
14	35
16	40
18	45
20	50
22	55
24	60
26	65
28	70
30	80
32	85
34	90
36	95
38	100
40	105
42	110
44	115
46	120
48	125

X Neizvedivo / Unfeasible

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

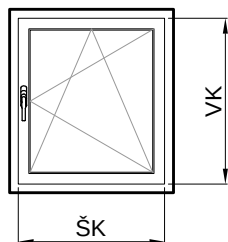


Maksimalna težina krila 130 kg
Maximum sash weight 130 kg

Tabela nosivosti za:
Table of loads:

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

OTKLOPNO-ZAOKRETNi 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 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
vk(mm) εk(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800

600

350

X Neizvedivo / Unfeasible

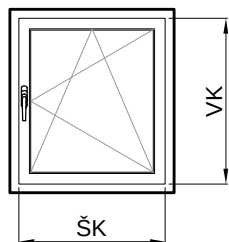
Maksimalna težina krila (kg)
Maximum sash weight (kg)

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

600

350

☒ **Neizvedivo / Unfeasible**

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

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

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

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

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

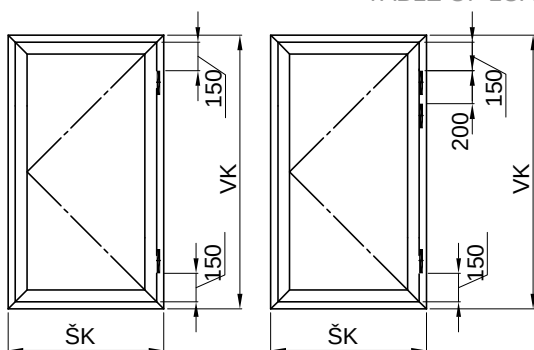
		2800	35	29	25	22	19	17	16	14	13	12	12	x
		2700	37	31	26	23	20	18	17	15	14	13	12	x
		2600	39	32	28	24	21	19	18	16	15	14	13	12
		2500	43	35	30	27	24	21	19	18	16	15	14	13
		2400	43	35	30	27	24	21	19	18	16	15	14	13
		2300	44	37	32	28	25	22	20	18	17	16	15	14
		2200	46	39	33	29	26	23	21	19	18	17	15	14
		2100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

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

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

		2800	124	124	124	124	124	124	124	124	124	124	124	x
		2700	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
		2500	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
		2300	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
		2100	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
		1900	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
		1700	130	130	130	130	130	130	130	130	130	130	130	127
		1600	130	130	130	130	130	130	130	130	130	130	127	119
		1500	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	Vk(mm) SK(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	
	470	x	Neizvedivo / Unfeasible											

- TABLICE NOSIVOSTI SPOJNICA - TABLE OF LOADS FOR HINGES

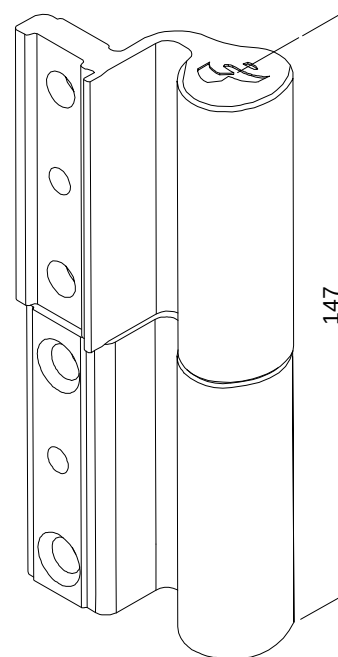


Napomena: Ukoliko se ugrade tri spojnice po preporuci, nosivost se uvećava za 10%.
Note: If three hinges are used as recommended, the load capability is increased 10%

Tablica nosivosti spojnice 114.001.xx (Stublina)

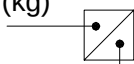
Table of loads for hinges 114.001.xx (Stublina)

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



114.001.xx

A (kg)



B (kg)

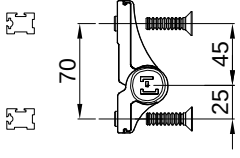
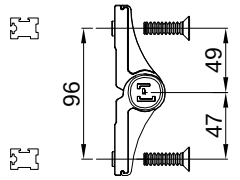
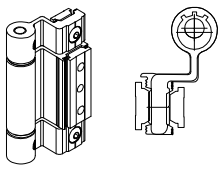
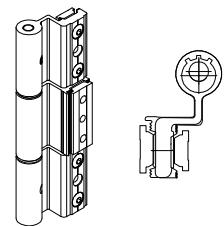
A - javna upotreba sa dvije spojnice

A - public use with two hinges

B - privatna upotreba sa dvije spojnice

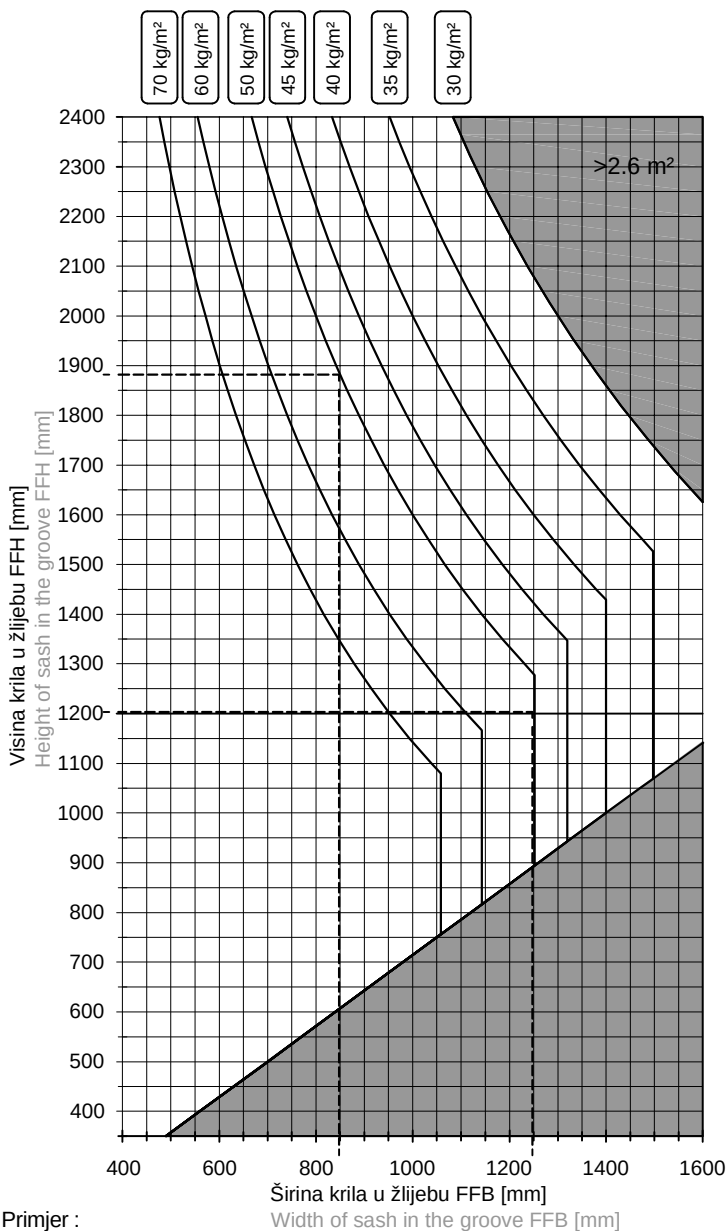
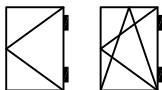
B - private use with two hinge

- TABLICE NOSIVOSTI SPOJNICA
 - TABLE OF LOADS FOR HINGES

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Nosivost 2 spojnice 2 hinges	Nosivost 3 spojnice 3 hinges
113.009.01 .02 .03		- Dvodijelna šarka OSNO 70 - Oznaka proizvođača ALU-B: Max3D 70 - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge OSNO 70 - Manufacturer code ALU-B: Max3D 70 - Color: 01- white; 02 - gray;03 - black	120 kg	160 kg
113.011.01 .02 .03		- Dvodijelna šarka OSNO 96 - Stara oznaka: Max3D 94 - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge OSNO 96 - Former code: Max3D 94 - Color: 01- white; 02 - gray;03 - black	120 kg	160 kg
114.005.01 .02 .03		- Trodijelna šarka-EURO ŽLIJEB - Oznaka proizvođača Stublina: 2129.00 - Three-part hinge-EURO GROOVE - Manufacturer code Stublina: 2129.00	90 kg	100 kg
114.006.01 .02 .03		- Trodijelna šarka-EURO ŽLIJEB - Oznaka proizvođača Stublina: 2124.00 - Three-part hinge-EURO GROOVE - Manufacturer code Stublina: 2124.00	100 kg	110 kg

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

Težine ispune



Primjer :

Težina krila = 50 kg/m²

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

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

Napomena

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

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

Example :

Sash weight = 50 kg/m²

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

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

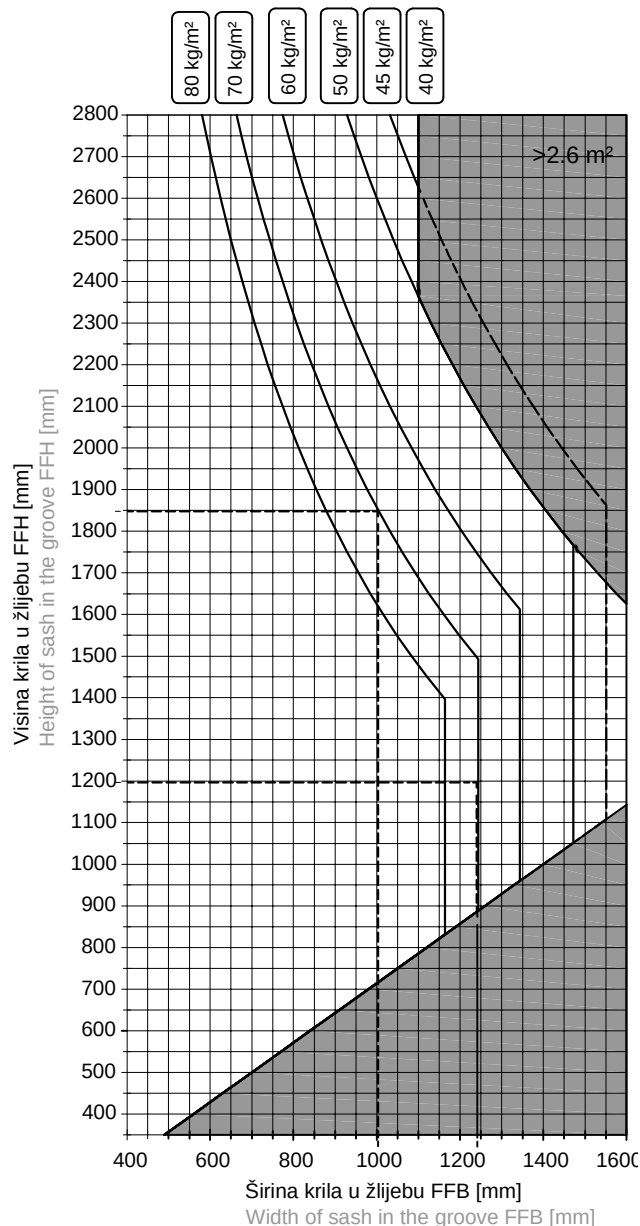
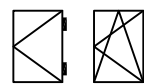
Remark

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

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

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

Težine ispune



Primjer

Težina krila = 70 kg/m²

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

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

Napomena

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

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

Example

Sash weight = 70 kg/m²

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

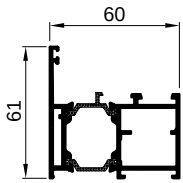
At the height of the wing 1200 mm in the FFH groove, we get the maximum width of the sash in the FFH groove 1240mm.

Remark

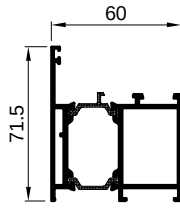
The authorized dimensions of the wings are located just to the left of the weight curve.

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

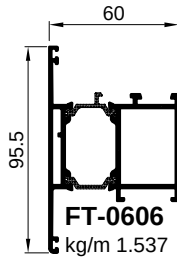
Profili Profiles



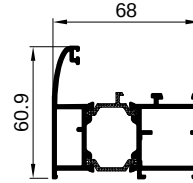
FT-0601
kg/m 1.239



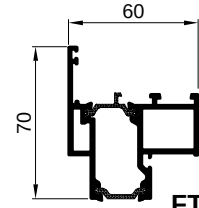
FT-0603
kg/m 1.428



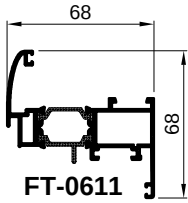
FT-0606
kg/m 1.537



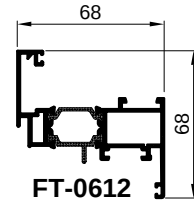
FT-0602
kg/m 1.340



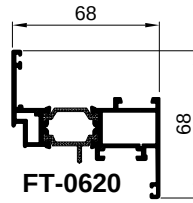
FT-0607
kg/m 1.49



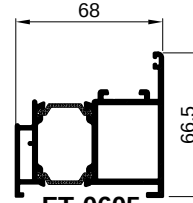
FT-0611
kg/m 1.205



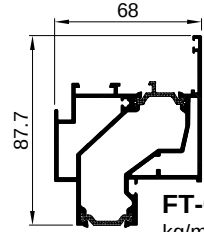
FT-0612
kg/m 1.235



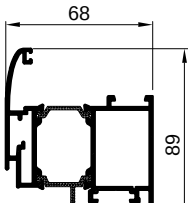
FT-0620
kg/m 1.207



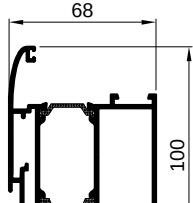
FT-0605
kg/m 1.480



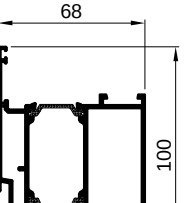
FT-0608
kg/m 2.02



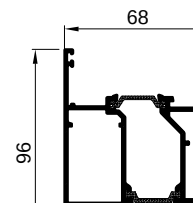
FT-0615
kg/m 1.645



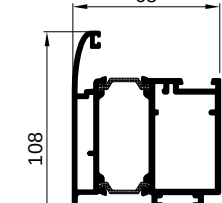
FT-0613
kg/m 1.829



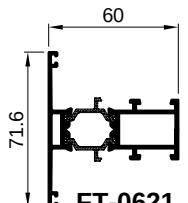
FT-0650
kg/m 1.783



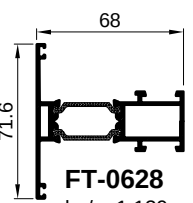
FT-0619
kg/m 1.791



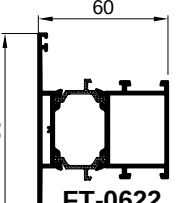
FT-0614
kg/m 2.122



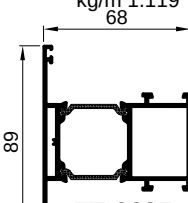
FT-0621
kg/m 1.119



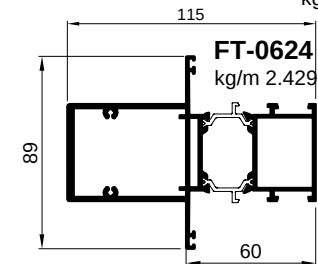
FT-0628
kg/m 1.139



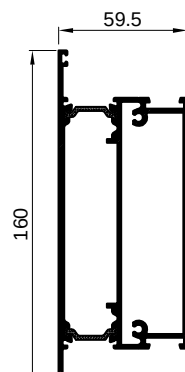
FT-0622
kg/m 1.398



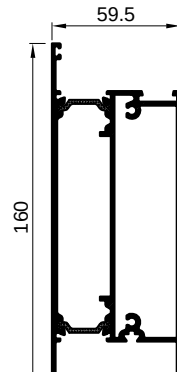
FT-0627
kg/m 1.422



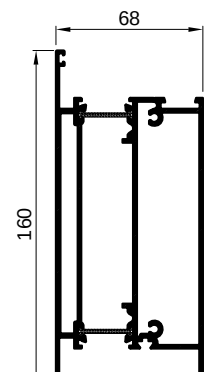
FT-0624
kg/m 2.429



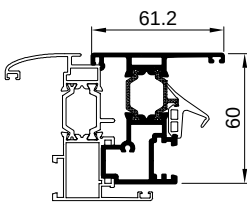
FT-0625
kg/m 2.953



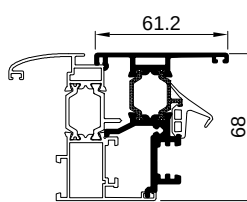
FT-0623
kg/m 3.056



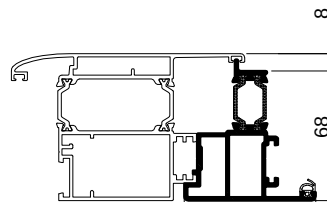
FT-0626
kg/m 3.502



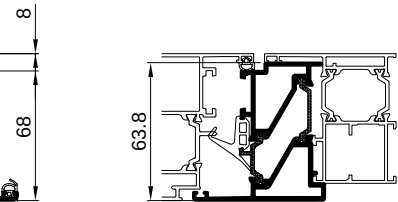
FT-0631
kg/m 1.185



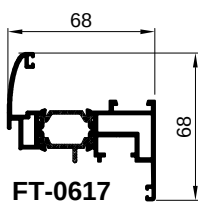
FT-0635
kg/m 1.217



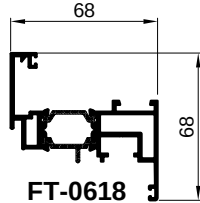
FT-0632
kg/m 1.202



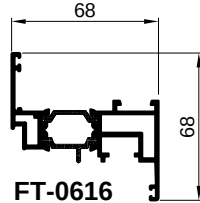
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kg/m 1.338



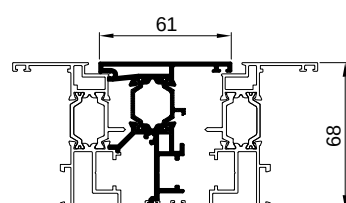
FT-0617
kg/m 1.248



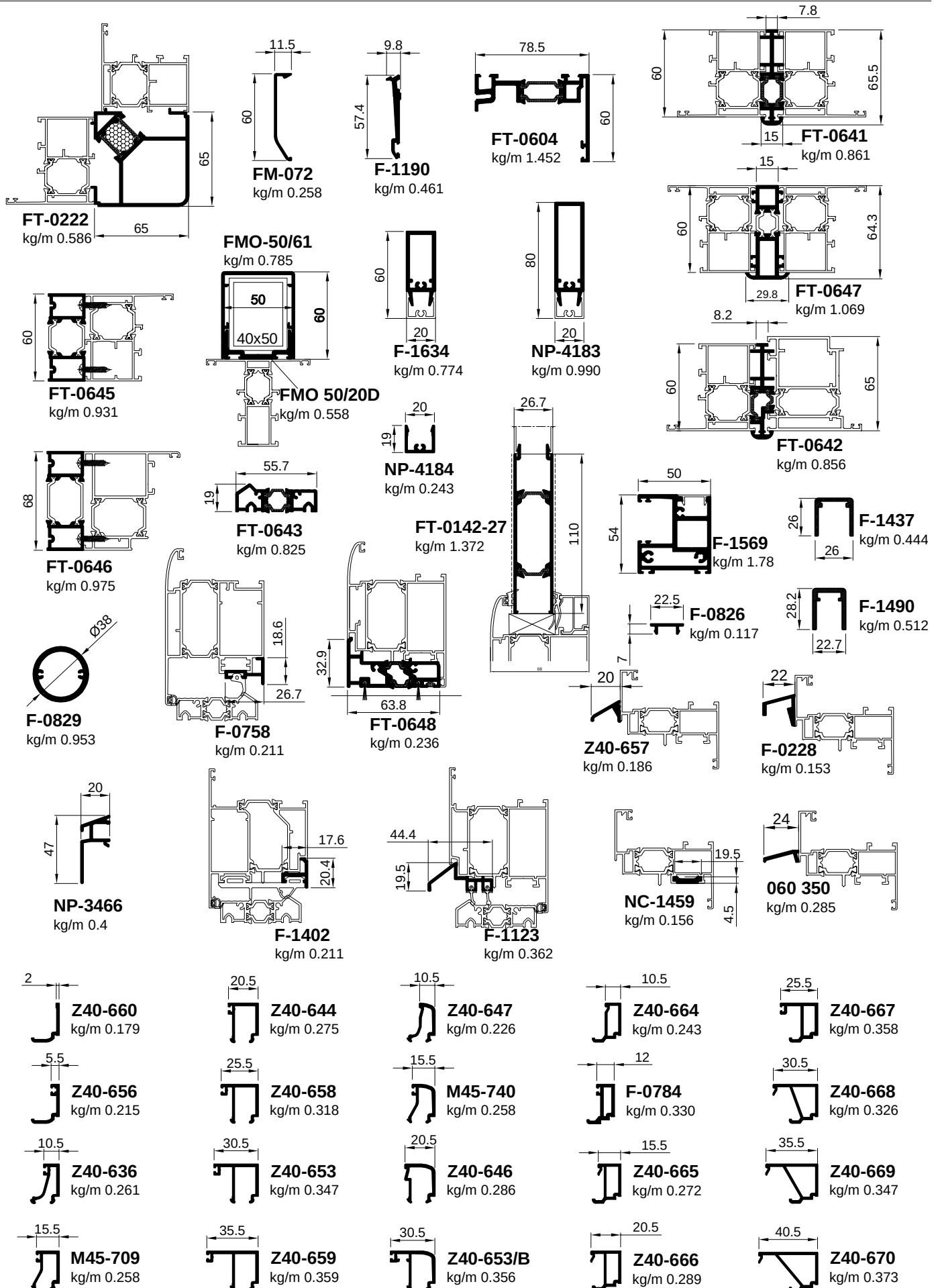
FT-0618
kg/m 1.274

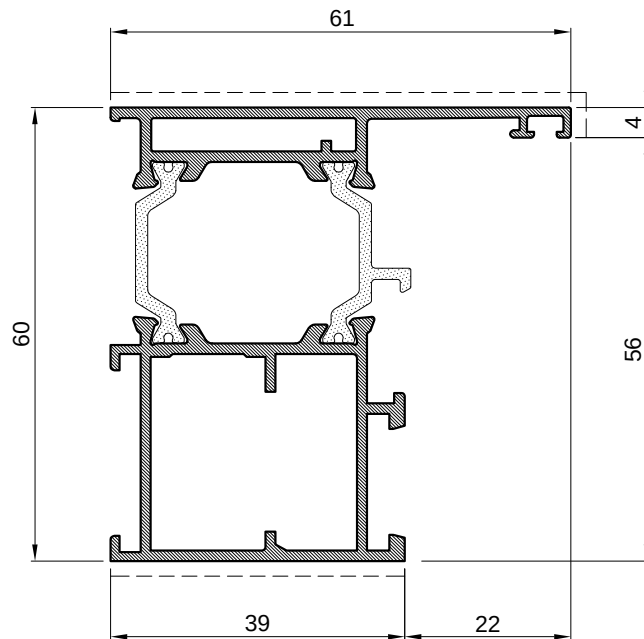


FT-0616
kg/m 1.243

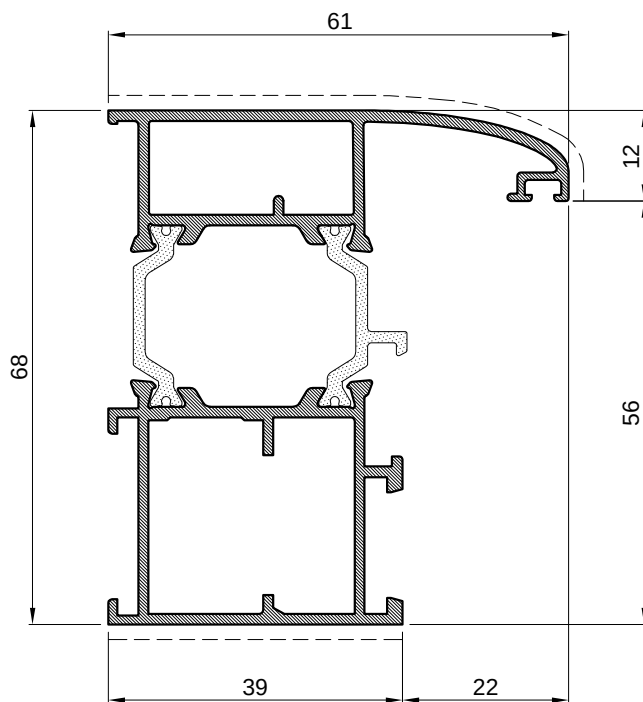


FT-0633
kg/m 1.189



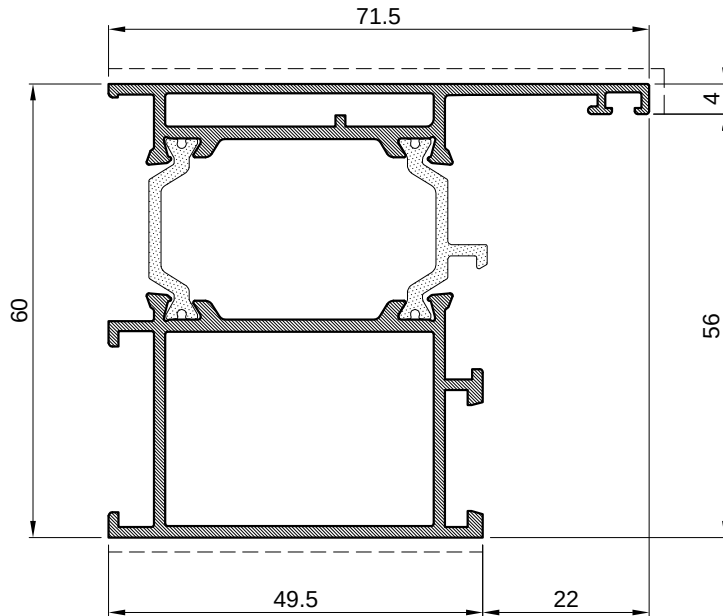


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0601	
Težina Weight	kg/m	1.239
Opseg Perimeter	mm	320
Moment inercije Moment of inertia	Ix (cm4)	14.58
	Iy (cm4)	8.73
	Wx (cm3)	5.77
	Wy (cm3)	2.27
L	mm	6500

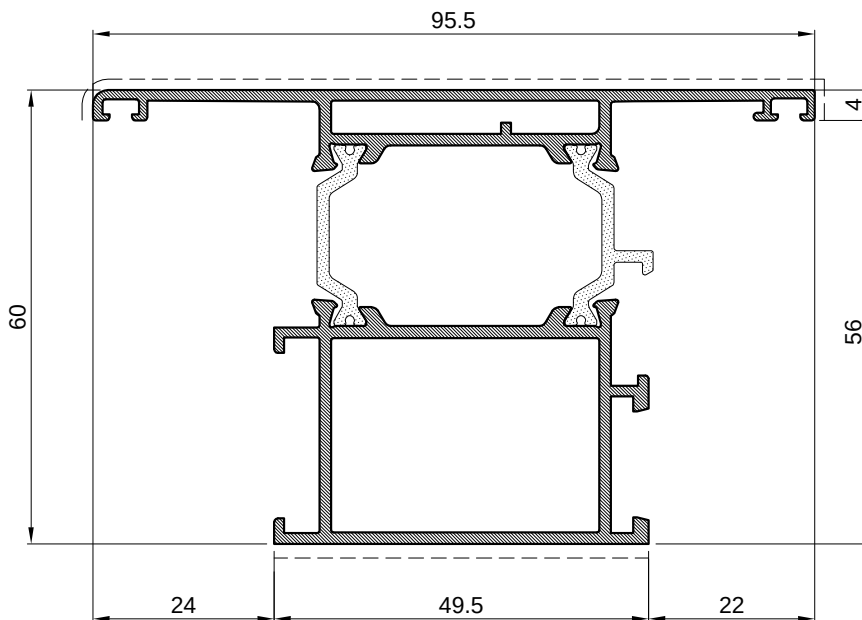


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0602	
Težina Weight	kg/m	1.340
Opseg Perimeter	mm	351
Moment inercije Moment of inertia	Ix (cm4)	18.98
	Iy (cm4)	10.75
	Wx (cm3)	6.8
	Wy (cm3)	2.85
L	mm	6500

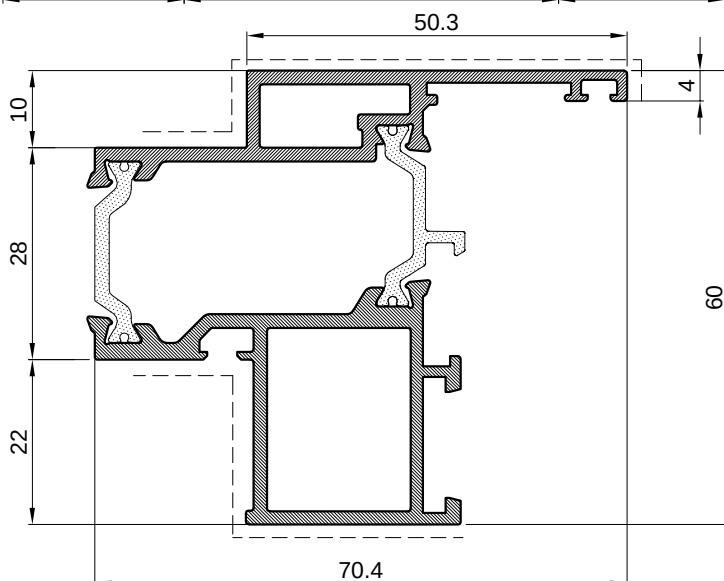
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0603	
Težina Weight	kg/m	1.428
Opseg Perimeter	mm	345
Moment inerције Moment of inertia	I _x (cm ⁴)	17.36
	I _y (cm ⁴)	15.08
	W _x (cm ³)	6.91
	W _y (cm ³)	3.48
L	mm	6500

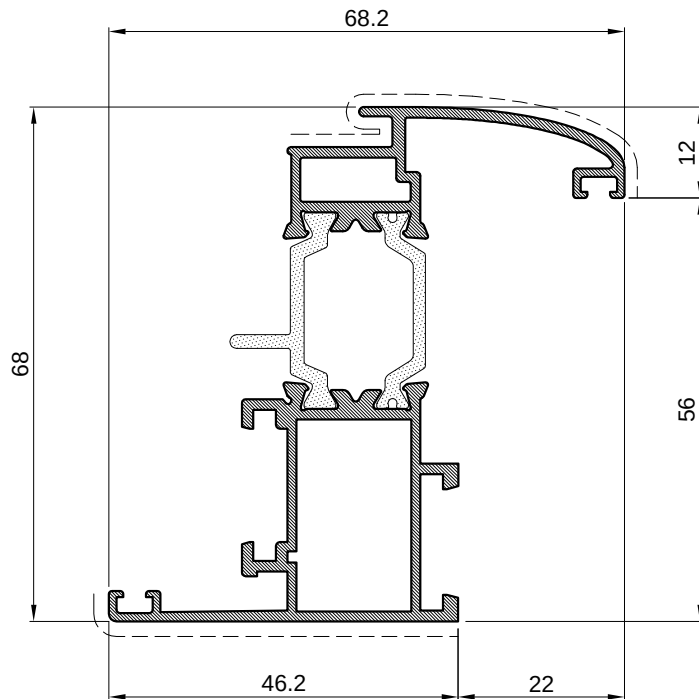


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0606	
Težina Weight	kg/m	1.537
Opseg Perimeter	mm	425
Moment inercije Moment of inertia	I _x (cm ⁴)	19.13
	I _y (cm ⁴)	21.58
	W _x (cm ³)	7.21
	W _y (cm ³)	4.41
L	mm	6500

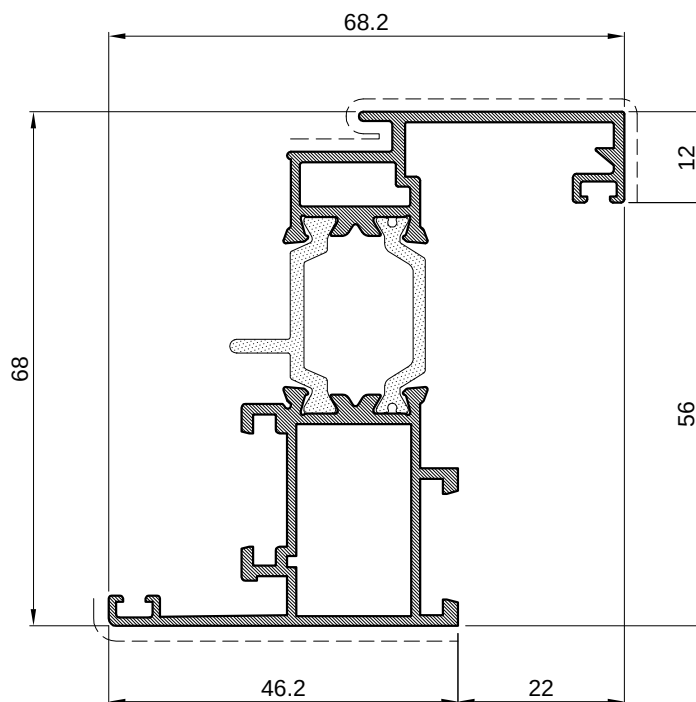


Profil rama Profile frame		
Art.Br. Art.Nr.	FT-0607	
Težina Weight	kg/m	1.49
Opseg Perimeter	mm	357
Moment inercije Moment of inertia	I _x (cm ⁴)	14.89
	I _y (cm ⁴)	12.72
	W _x (cm ³)	5.86
	W _y (cm ³)	3.17
L	mm	6500

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

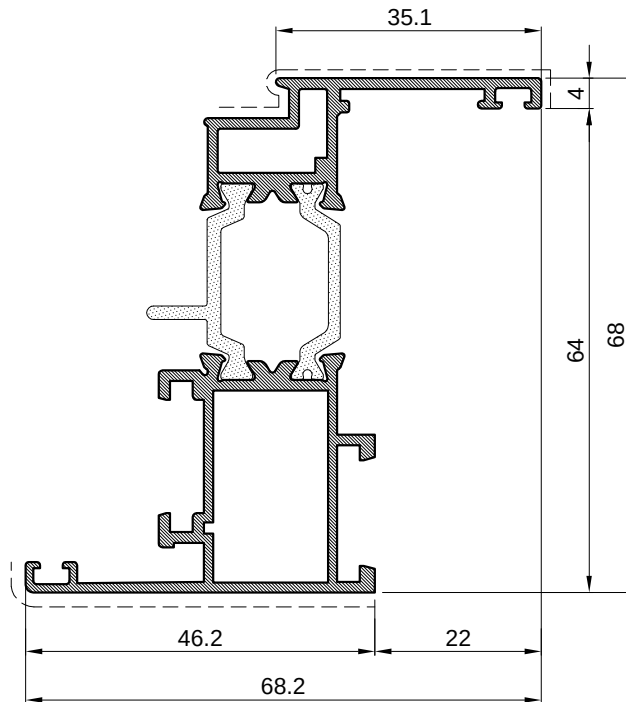


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0611	
Težina Weight	kg/m	1.205
Opseg Perimeter	mm	385
Moment inercije Moment of inertia	Ix (cm4)	17.18
	Iy (cm4)	7.41
	Wx (cm3)	6.63
	Wy (cm3)	2.16
L	mm	6500

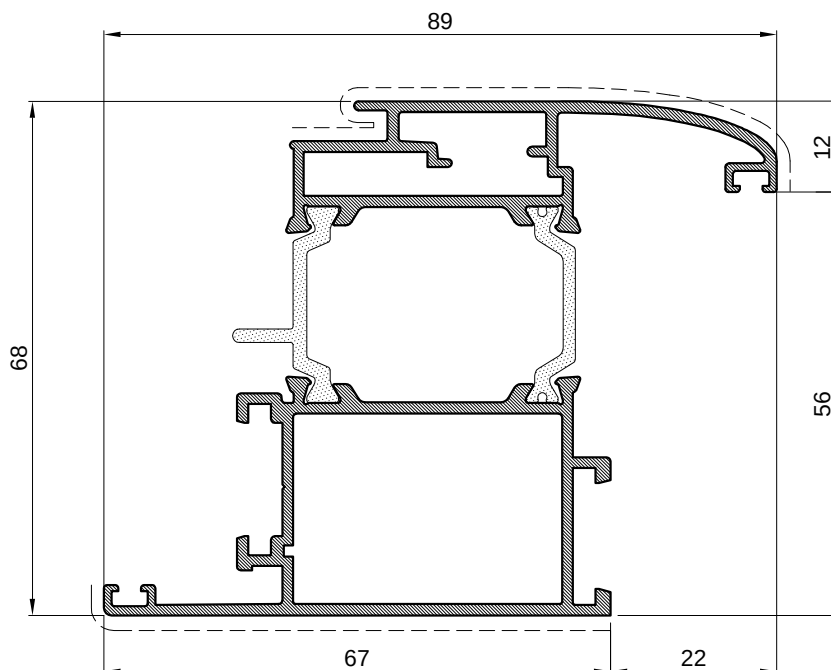


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0612	
Težina Weight	kg/m	1.235
Opseg Perimeter	mm	400
Moment inercije Moment of inertia	Ix (cm4)	18.1
	Iy (cm4)	8.5
	Wx (cm3)	7.14
	Wy (cm3)	2.45
L	mm	6500

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

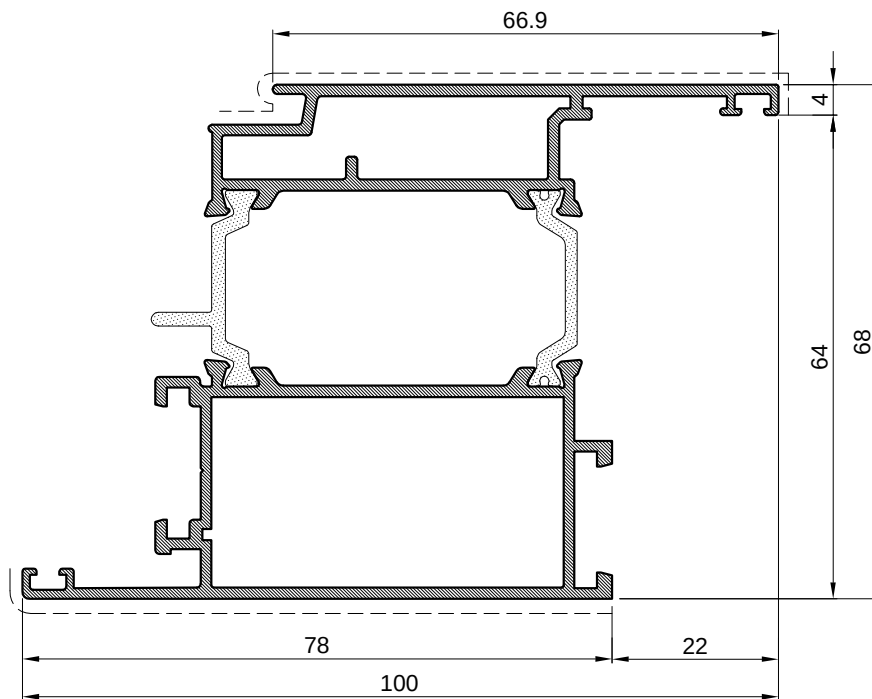


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0620	
Težina Weight	kg/m	1.207
Opseg Perimeter	mm	334
Moment inerције Moment of inertia	I _x (cm ⁴)	17.74
	I _y (cm ⁴)	6.65
	W _x (cm ³)	6.9
	W _y (cm ³)	1.91
L	mm	6500

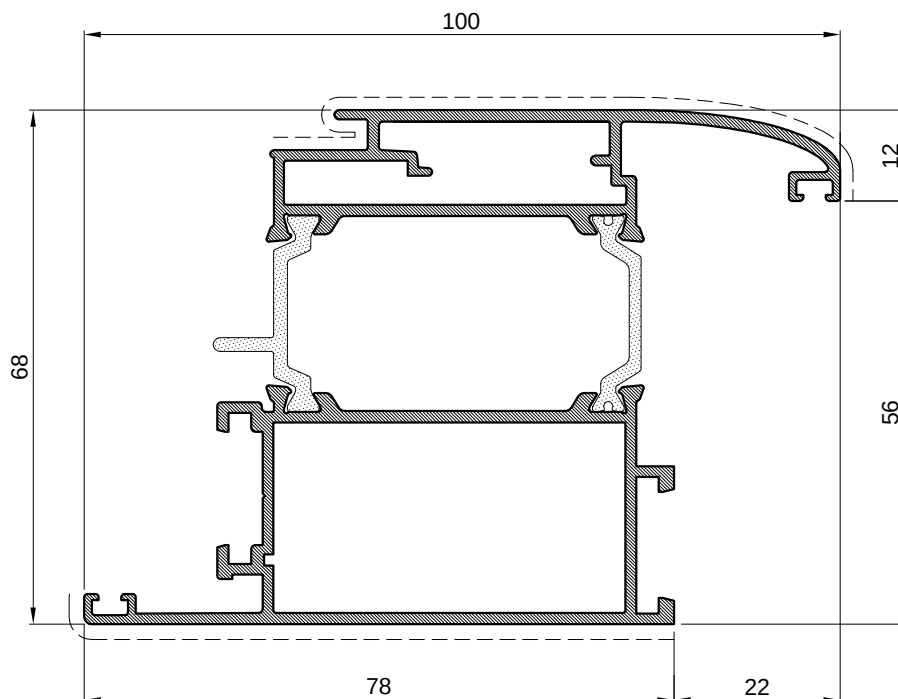


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0615	
Težina Weight	kg/m	1.645
Opseg Perimeter	mm	469
Moment inerције Moment of inertia	I _x (cm ⁴)	25.4
	I _y (cm ⁴)	21.35
	W _x (cm ³)	9.88
	W _y (cm ³)	4.78
L	mm	6500

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

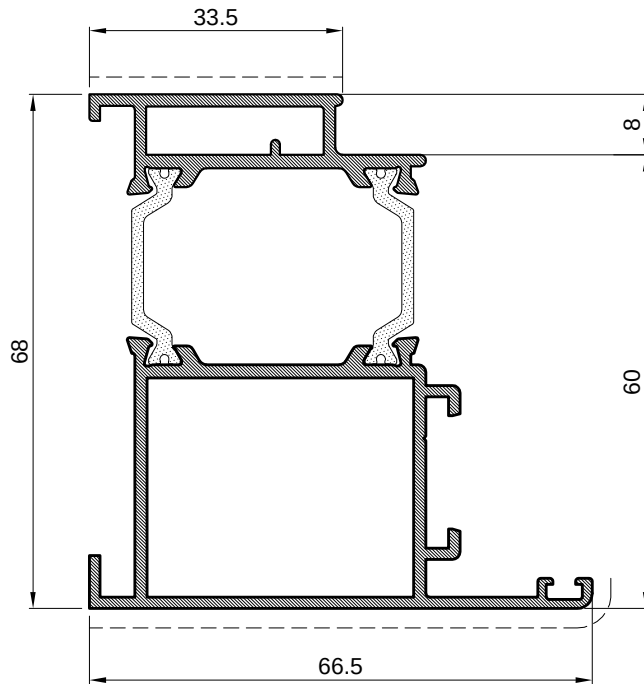


Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0650	
Težina Weight	kg/m	1.783
Opseg Perimeter	mm	434
Moment inerције Moment of inertia	I _x (cm ⁴)	28.53
	I _y (cm ⁴)	30.87
	W _x (cm ³)	11.12
	W _y (cm ³)	6.06
L	mm	6500



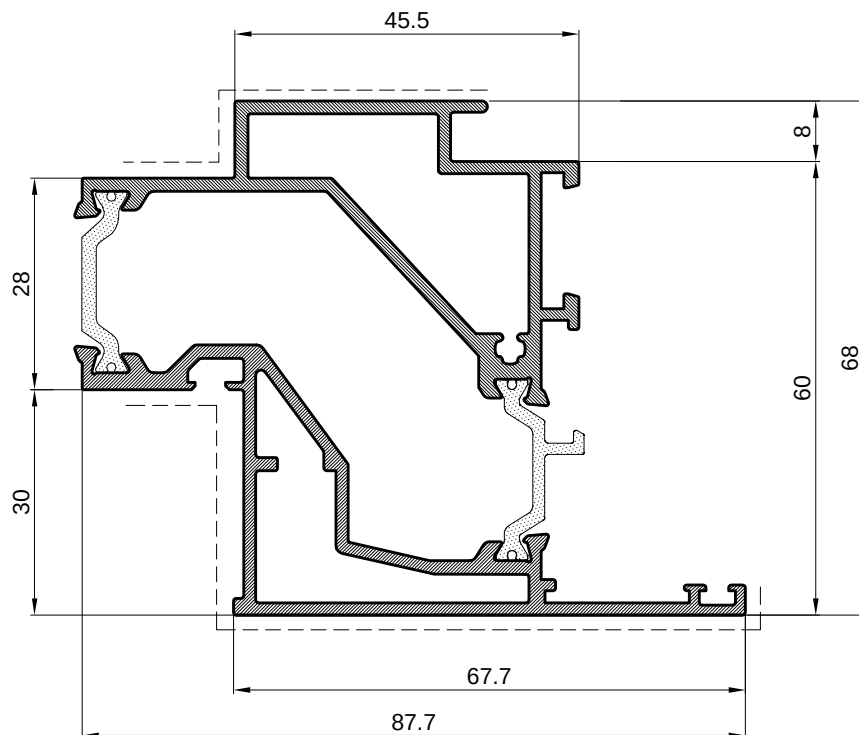
Profil krila Profile sash		
Art.Br. Art.Nr.	FT-0613	
Težina Weight	kg/m	1.829
Opseg Perimeter	mm	468
Moment inerције Moment of inertia	I _x (cm ⁴)	28.83
	I _y (cm ⁴)	33.14
	W _x (cm ³)	11.08
	W _y (cm ³)	6.59
L	mm	6500

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



Profil rama-otvaranje vani
Profile frame-outside opening

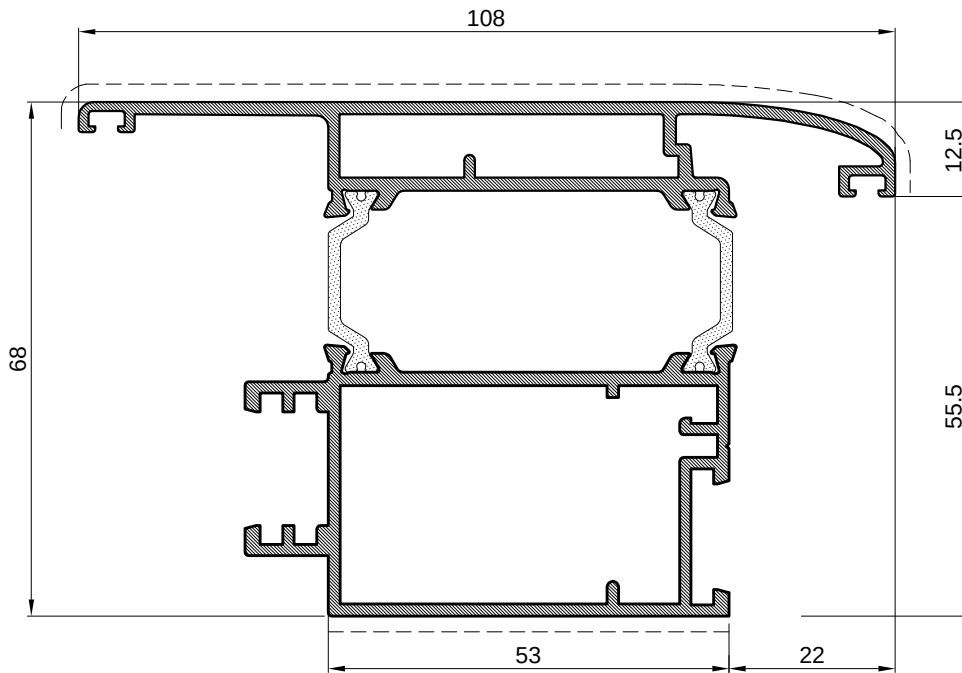
Art.Br. Art.Nr.	FT-0605	
Težina Weight	kg/m	1.480
Opseg Perimeter	mm	356
Moment inercije Moment of inertia	Ix (cm4)	22.7
	Iy (cm4)	13.81
	Wx (cm3)	8.2
	Wy (cm3)	3.44
L	mm	6500



Profil rama-otvaranje vani
Profile frame-outside opening

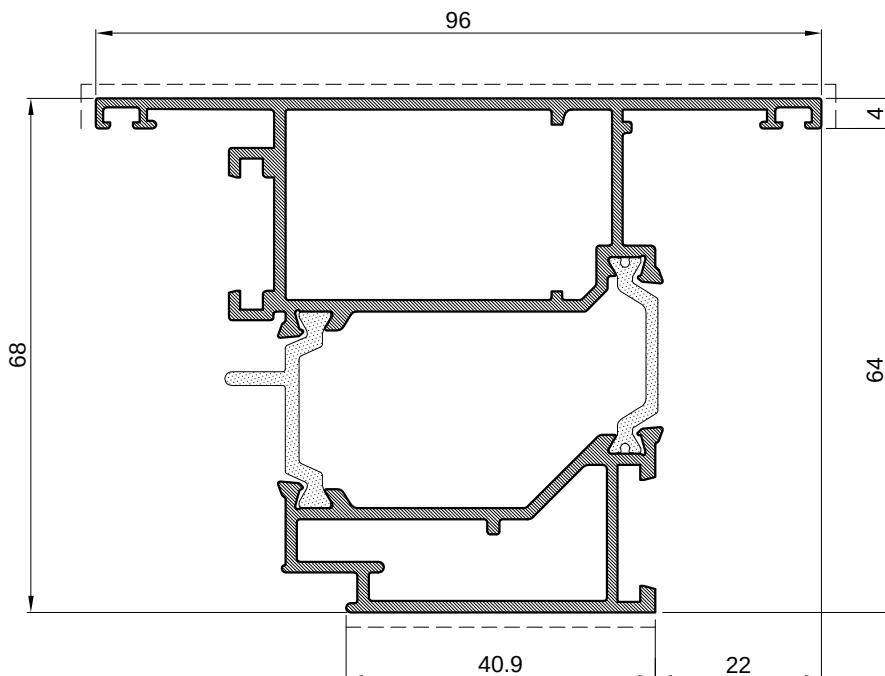
Art.Br. Art.Nr.	FT-0608	
Težina Weight	kg/m	2.02
Opseg Perimeter	mm	416
Moment inercije Moment of inertia	Ix (cm4)	28.26
	Iy (cm4)	29.01
	Wx (cm3)	10.03
	Wy (cm3)	5.96
L	mm	6500

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



Profil krila-otvaranje vani
Profile sash-outside opening

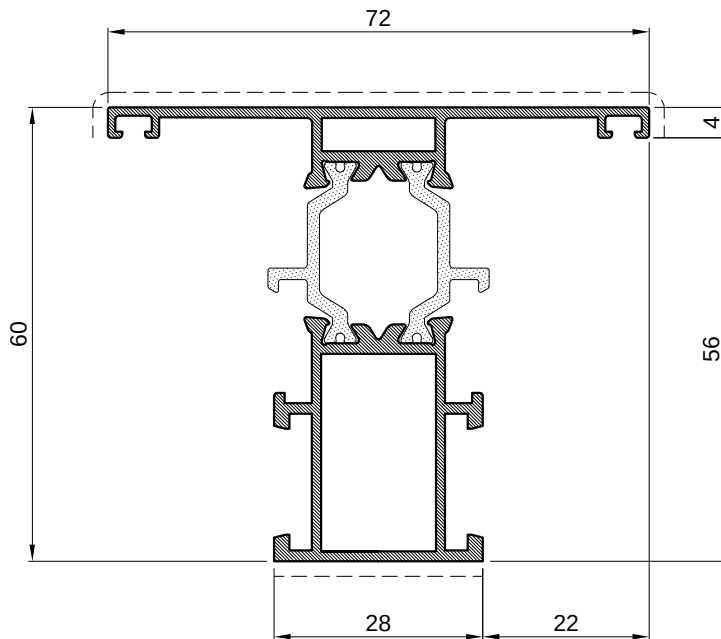
Art.Br. Art.Nr.	FT-0614	
Težina Weight	kg/m	2.122
Opseg Perimeter	mm	492
Moment inerције Moment of inertia	Ix (cm4)	32.07
	Iy (cm4)	46.01
	Wx (cm3)	10.81
	Wy (cm3)	8.08
L	mm	6500



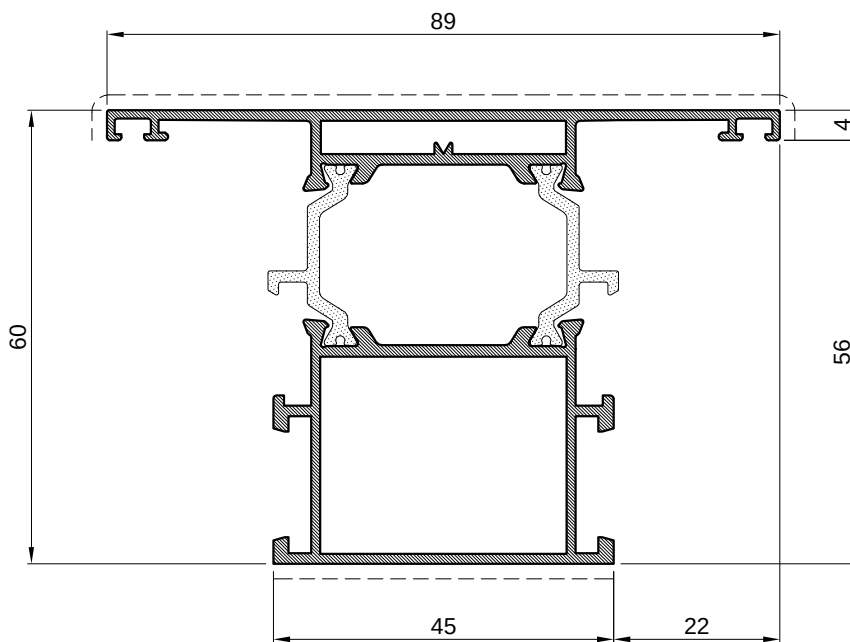
Profil krila-otvaranje vani
Profile sash-outside opening

Art.Br. Art.Nr.	FT-0619	
Težina Weight	kg/m	1.791
Opseg Perimeter	mm	439
Moment inercije Moment of inertia	Ix (cm4)	27.31
	Iy (cm4)	28.45
	Wx (cm3)	9.58
	Wy (cm3)	5.9
L	mm	6500

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

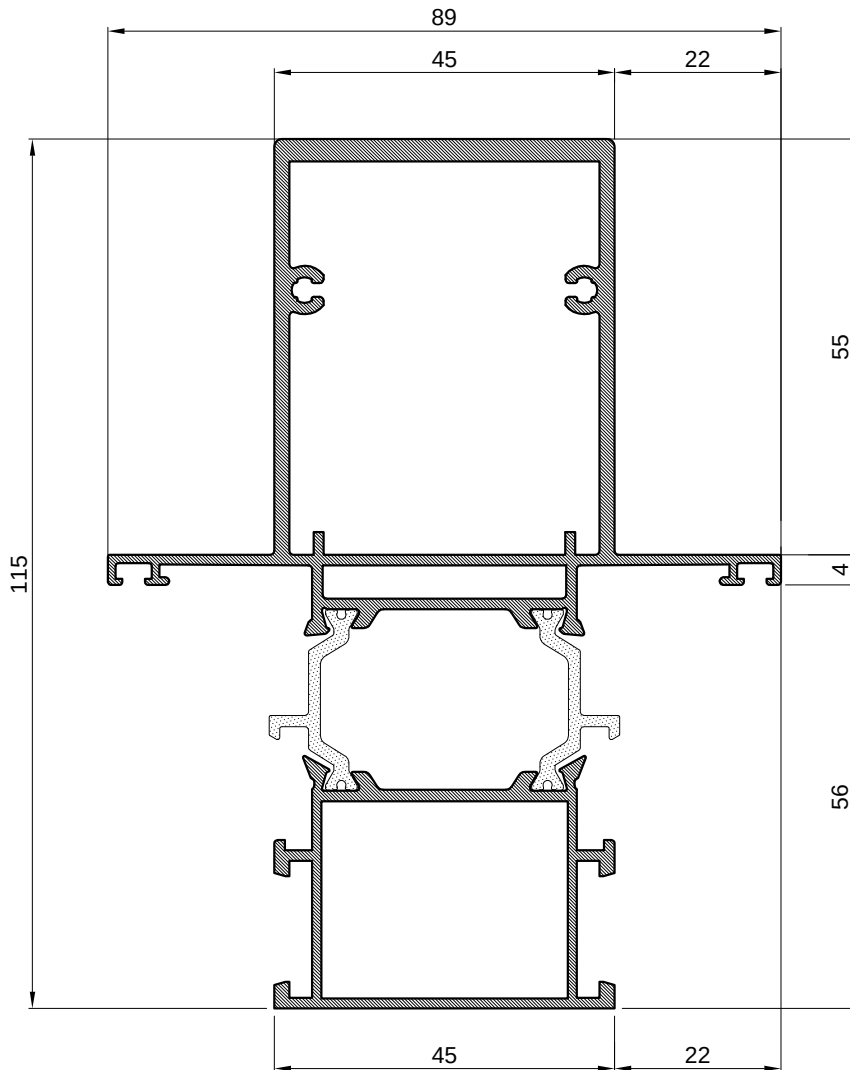


Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0621	
Težina Weight	kg/m	1.119
Opseg Perimeter	mm	362
Moment inercije Moment of inertia	Ix (cm4)	12.84
	Iy (cm4)	6.82
	Wx (cm3)	4.84
	Wy (cm3)	1.9
L	mm	6500

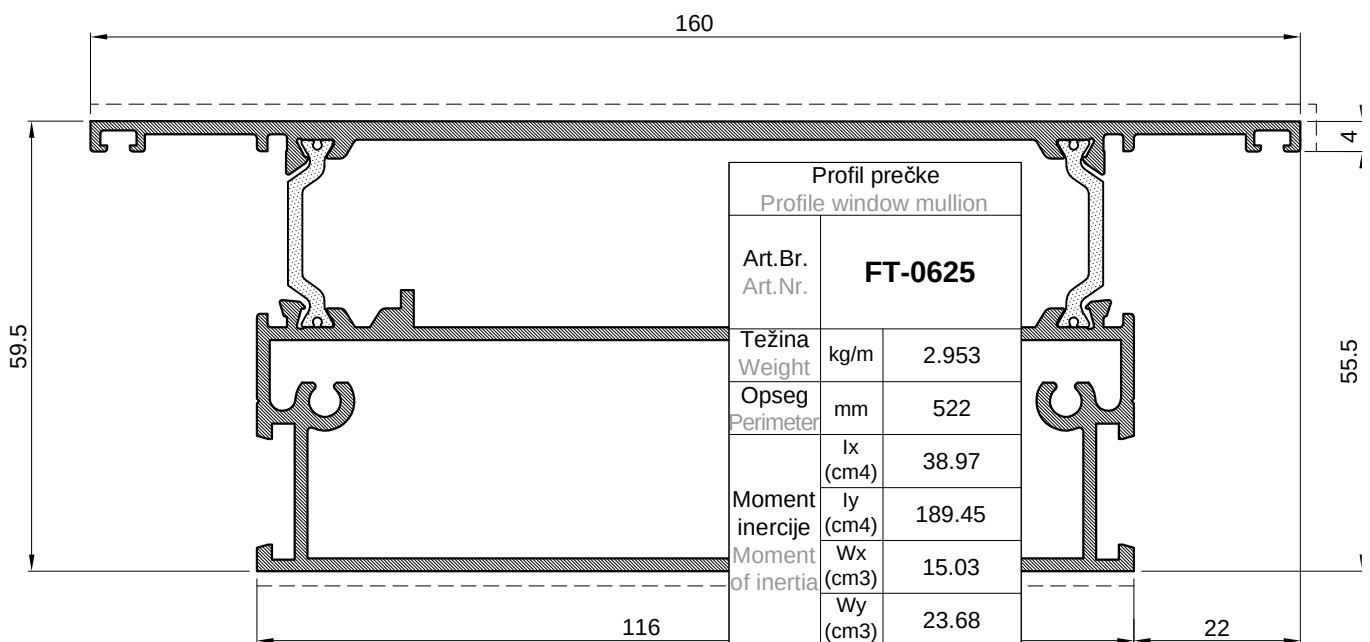


Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0622	
Težina Weight	kg/m	1.398
Opseg Perimeter	mm	421
Moment inercije Moment of inertia	Ix (cm4)	16.8
	Iy (cm4)	16.76
	Wx (cm3)	6.26
	Wy (cm3)	3.76
L	mm	6500

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

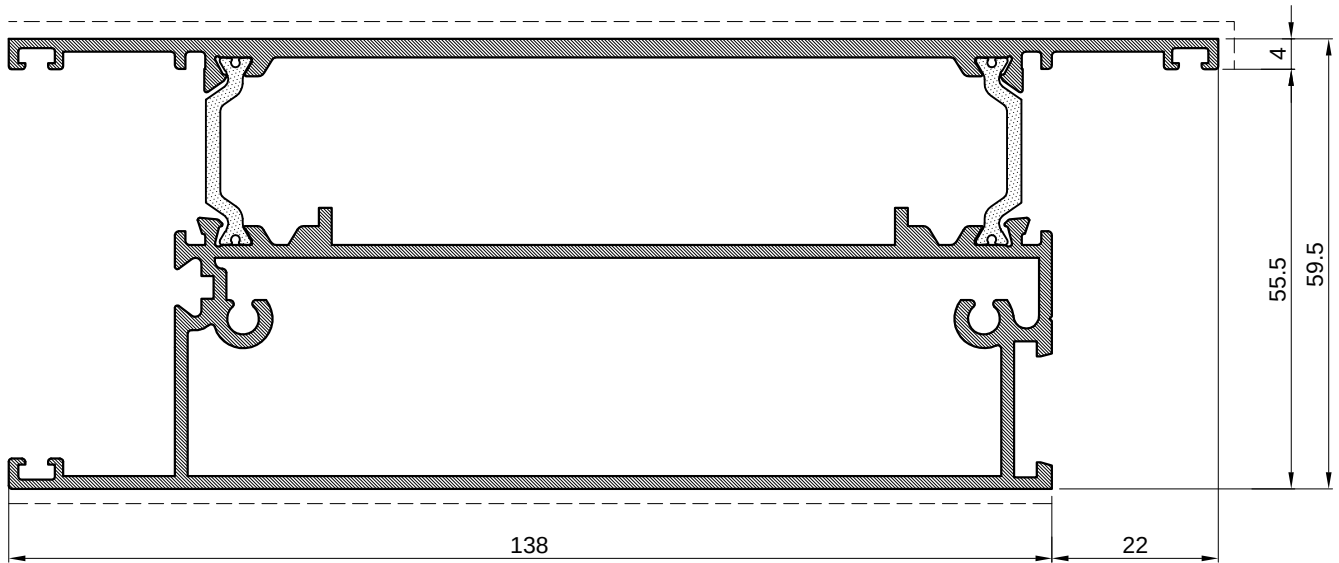


Profil ojačane prečke Reinforcement window mullion		
Art.Br. Art.Nr.	FT-0624	
Težina Weight	kg/m	2.429
Opseg Perimeter	mm	529
Moment inercije Moment of inertia	Ix (cm4)	87.58
	Iy (cm4)	30.04
	Wx (cm3)	17.26
	Wy (cm3)	6.75
L	mm	6500



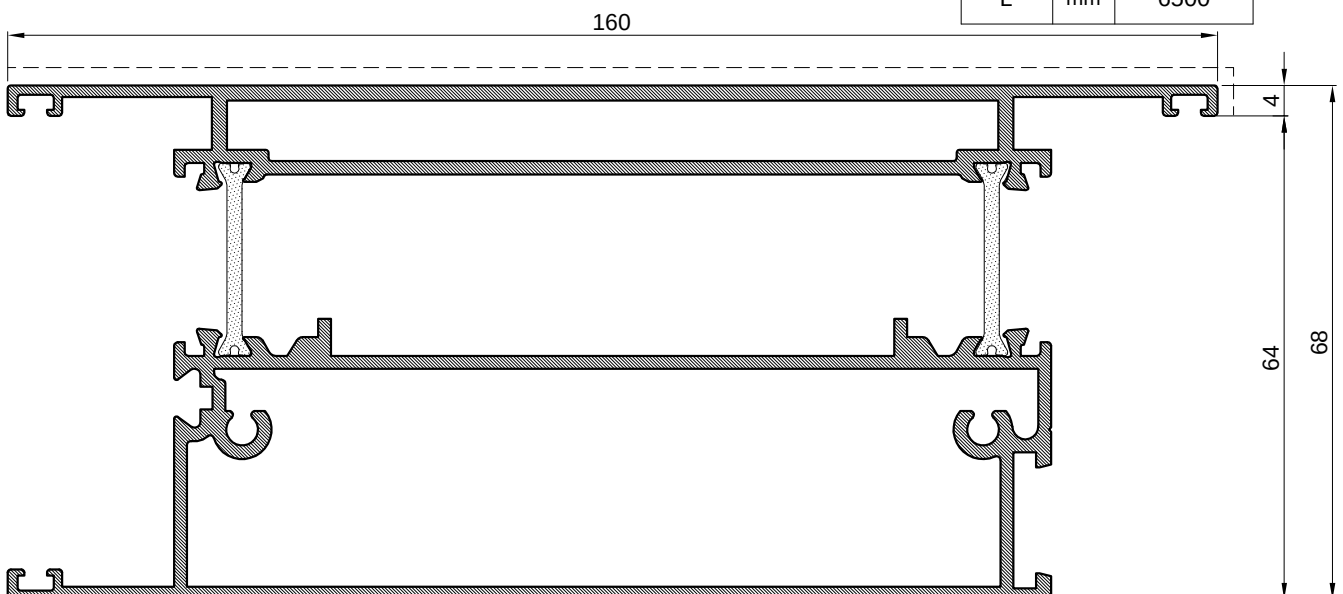
Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0625	
Težina Weight	kg/m	2.953
Opseg Perimeter	mm	522
Moment inercije Moment of inertia	Ix (cm4)	38.97
	Iy (cm4)	189.45
	Wx (cm3)	15.03
	Wy (cm3)	23.68
L	mm	6500

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

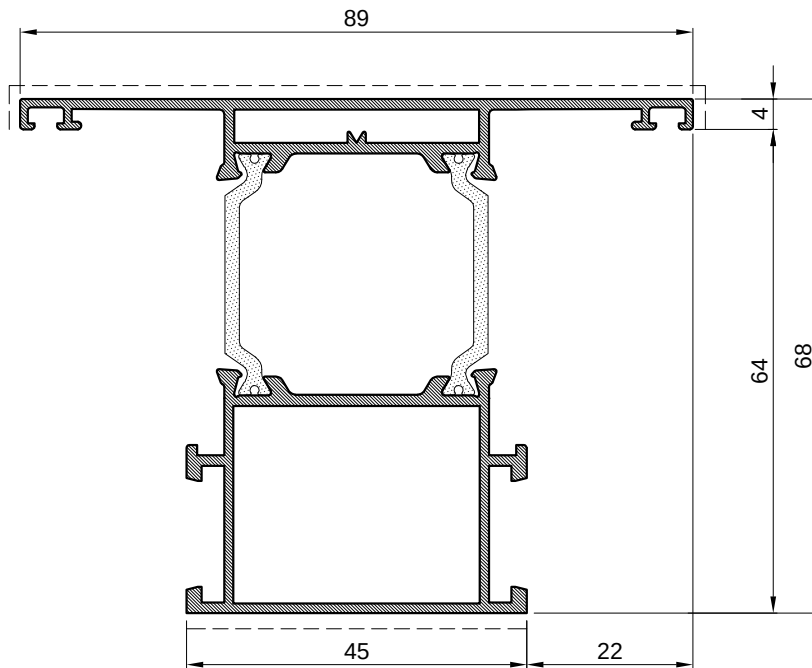


Profil parapetne prečke Profile spandrel mullion		
Art.Br. Art.Nr.	FT-0623	
Težina Weight	kg/m	3.056
Opseg Perimeter	mm	605
Moment inerције Moment of inertia	Ix (cm ⁴)	42.05
	Iy (cm ⁴)	209.41
	Wx (cm ³)	16.75
	Wy (cm ³)	25.33
L	mm	6500

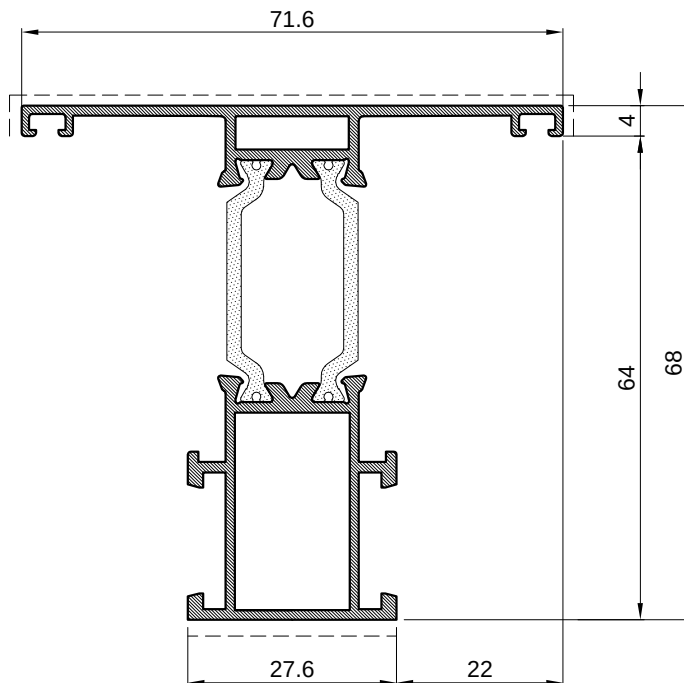
Profil parapetne prečke Profile spandrel mullion		
Art.Br. Art.Nr.	FT-0626	
Težina Weight	kg/m	3.502
Opseg Perimeter	mm	646
Moment inerције Moment of inertia	Ix (cm ⁴)	58.64
	Iy (cm ⁴)	229.97
	Wx (cm ³)	20.39
	Wy (cm ³)	27.94
L	mm	6500



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



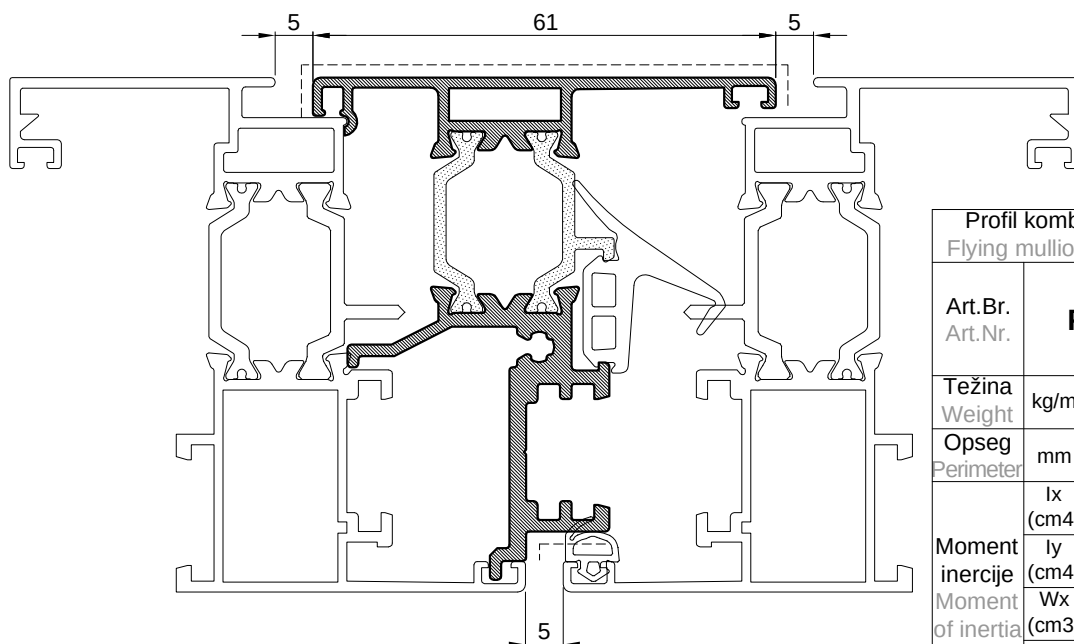
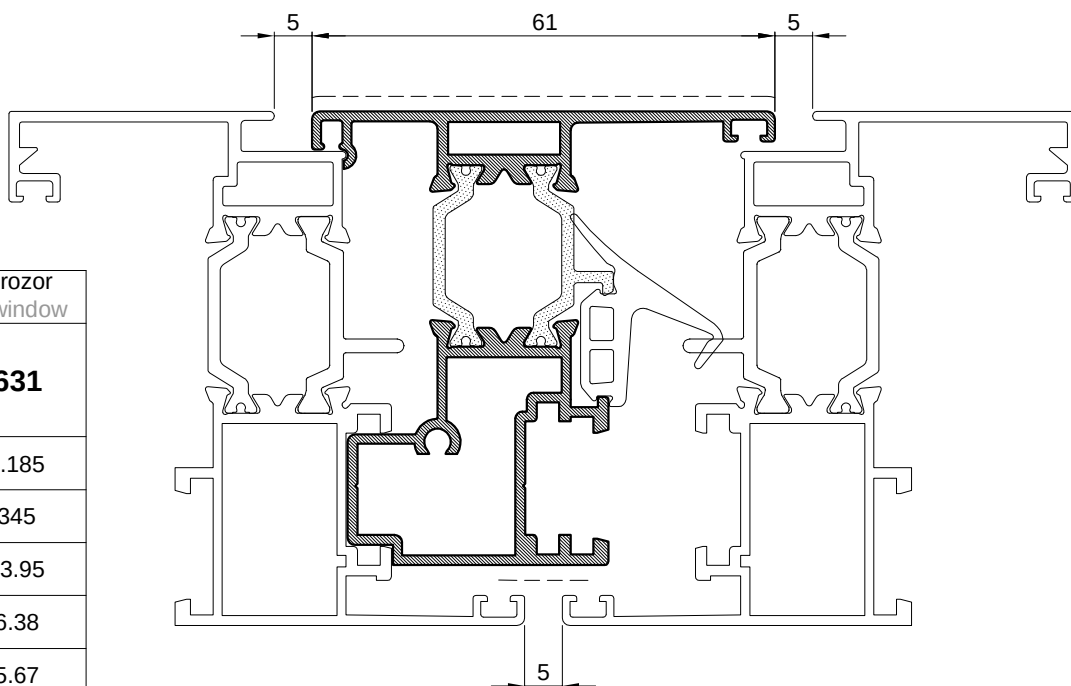
Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0627	
Težina Weight	kg/m	1.422
Opseg Perimeter	mm	366
Moment inercije Moment of inertia	I _x (cm ⁴)	22.53
	I _y (cm ⁴)	16.76
	W _x (cm ³)	7.7
	W _y (cm ³)	3.76
L	mm	6500



Profil prečke Profile window mullion		
Art.Br. Art.Nr.	FT-0628	
Težina Weight	kg/m	1.139
Opseg Perimeter	mm	331
Moment inercije Moment of inertia	I _x (cm ⁴)	17.28
	I _y (cm ⁴)	6.82
	W _x (cm ³)	5.97
	W _y (cm ³)	1.9
L	mm	6500

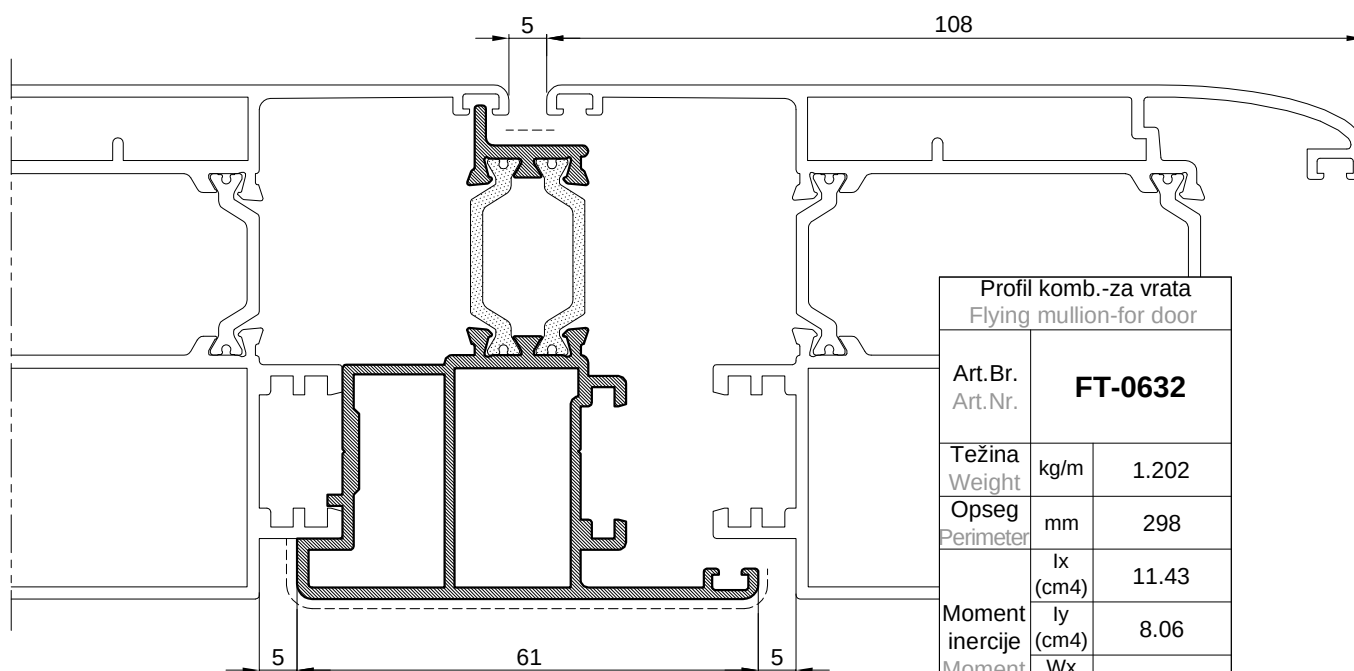
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

Profil komb.-za prozor Flying mullion-for window		
Art.Br. Art.Nr.	FT-0631	
Težina Weight	kg/m	1.185
Opseg Perimeter	mm	345
Moment inercije Moment of inertia	Ix (cm4)	13.95
	Iy (cm4)	6.38
	Wx (cm3)	5.67
	Wy (cm3)	1.77
L	mm	6500

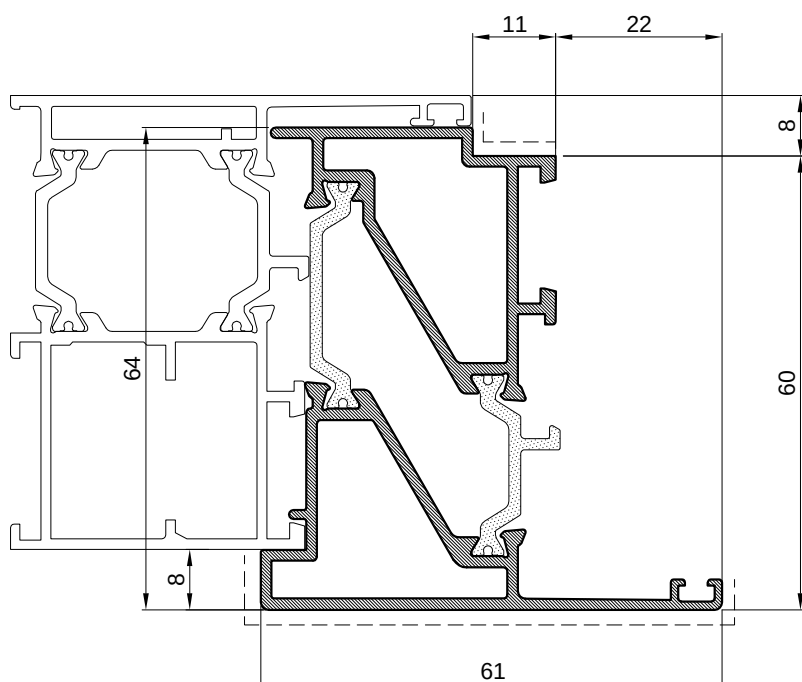


Profil komb.-za prozor Flying mullion-for window		
Art.Br. Art.Nr.	FT-0635	
Težina Weight	kg/m	1.217
Opseg Perimeter	mm	382
Moment inercije Moment of inertia	Ix (cm4)	13.31
	Iy (cm4)	5.35
	Wx (cm3)	4.41
	Wy (cm3)	1.58
L	mm	6500

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

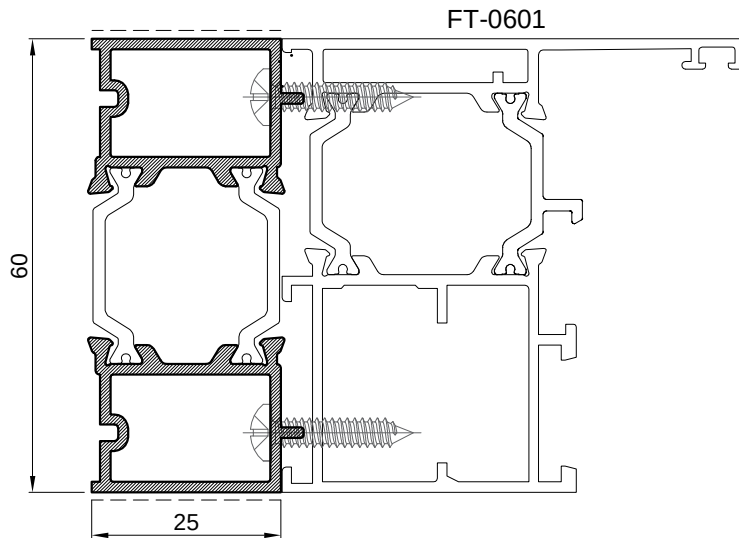


Profil komb.-za vrata Flying mullion-for door		
Art.Br. Art.Nr.	FT-0632	
Težina Weight	kg/m	1.202
Opseg Perimeter	mm	298
Moment inerције Moment of inertia	I _x (cm ⁴)	11.43
	I _y (cm ⁴)	8.06
	W _x (cm ³)	3.19
	W _y (cm ³)	2.32
L	mm	6500

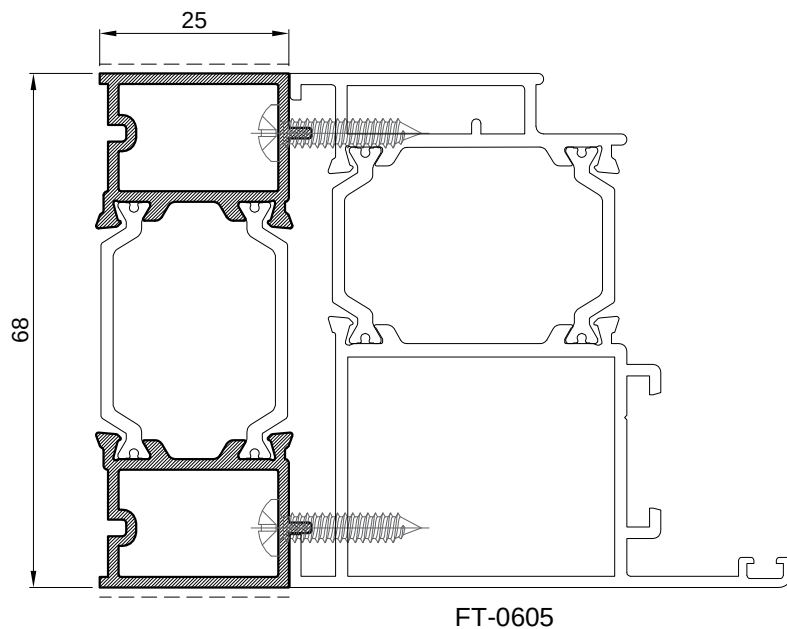


Profil kombatute Flying mullion		
Art.Br. Art.Nr.	FT-0634	
Težina Weight	kg/m	1.338
Opseg Perimeter	mm	313
Moment inercije Moment of inertia	I _x (cm ⁴)	16.99
	I _y (cm ⁴)	8.1
	W _x (cm ³)	6.26
	W _y (cm ³)	2.13
L	mm	6500

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

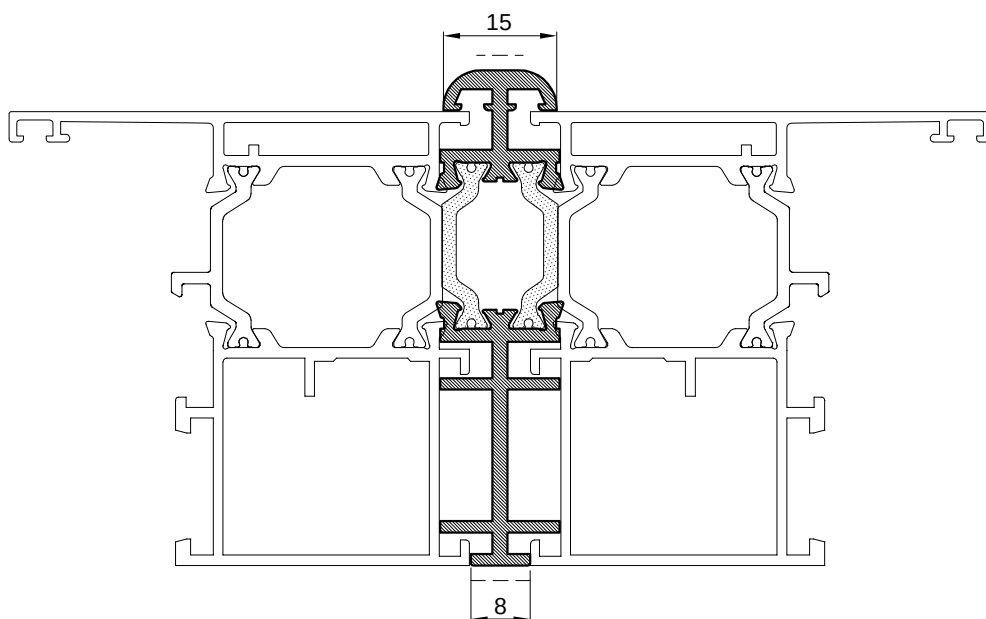


Profil za proširenje rama Frame extension profile		
Art.Br. Art.Nr.	FT-0645	
Težina Weight	kg/m	0.931
Opseg Perimeter	mm	186
Moment inerције Moment of inertia	Ix (cm ⁴)	9.27
	Iy (cm ⁴)	2.35
	Wx (cm ³)	4.21
	Wy (cm ³)	1.56
L	mm	6500

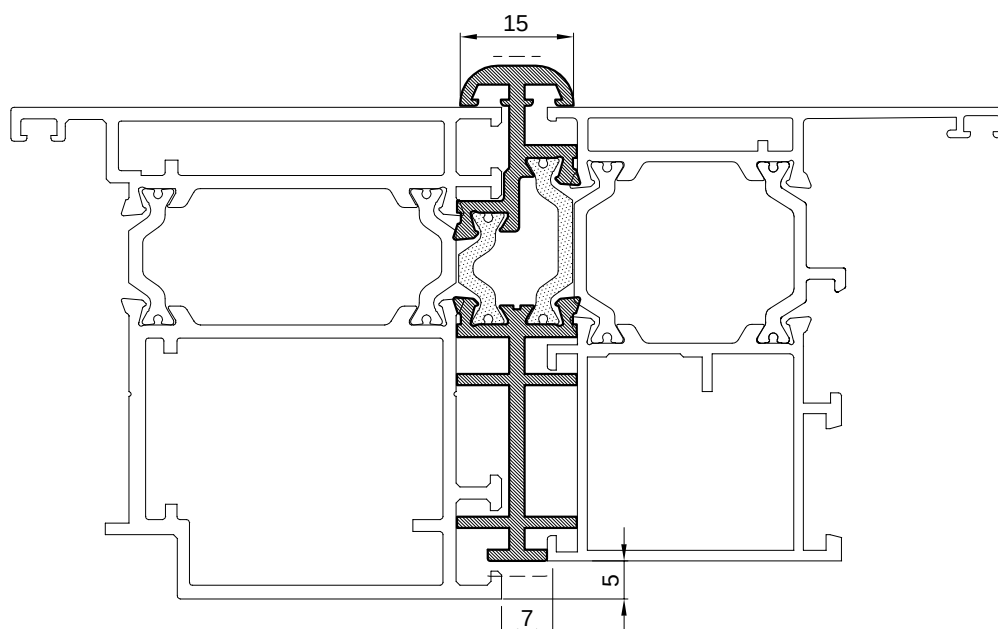


Profil komb.-za vrata Flying mullion-for door		
Art.Br. Art.Nr.	FT-0646	
Težina Weight	kg/m	0.975
Opseg Perimeter	mm	202
Moment inerције Moment of inertia	Ix (cm ⁴)	12.77
	Iy (cm ⁴)	2.35
	Wx (cm ³)	5.19
	Wy (cm ³)	1.56
L	mm	6500

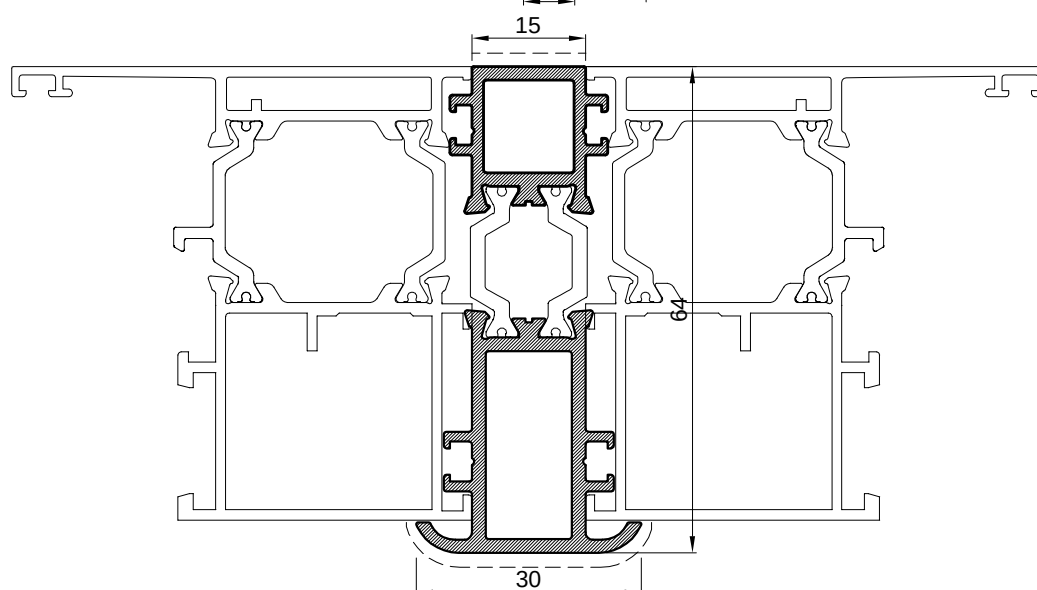
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



Vezni profil Connection profile		
Art.Br. Art.Nr.	FT-0641	
Težina Weight	kg/m	0.861
Opseg Perimeter	mm	280
Moment inercije Moment of inertia	Ix (cm4)	8.93
	Iy (cm4)	0.43
	Wx (cm3)	3.4
	Wy (cm3)	0.51
L	mm	6500

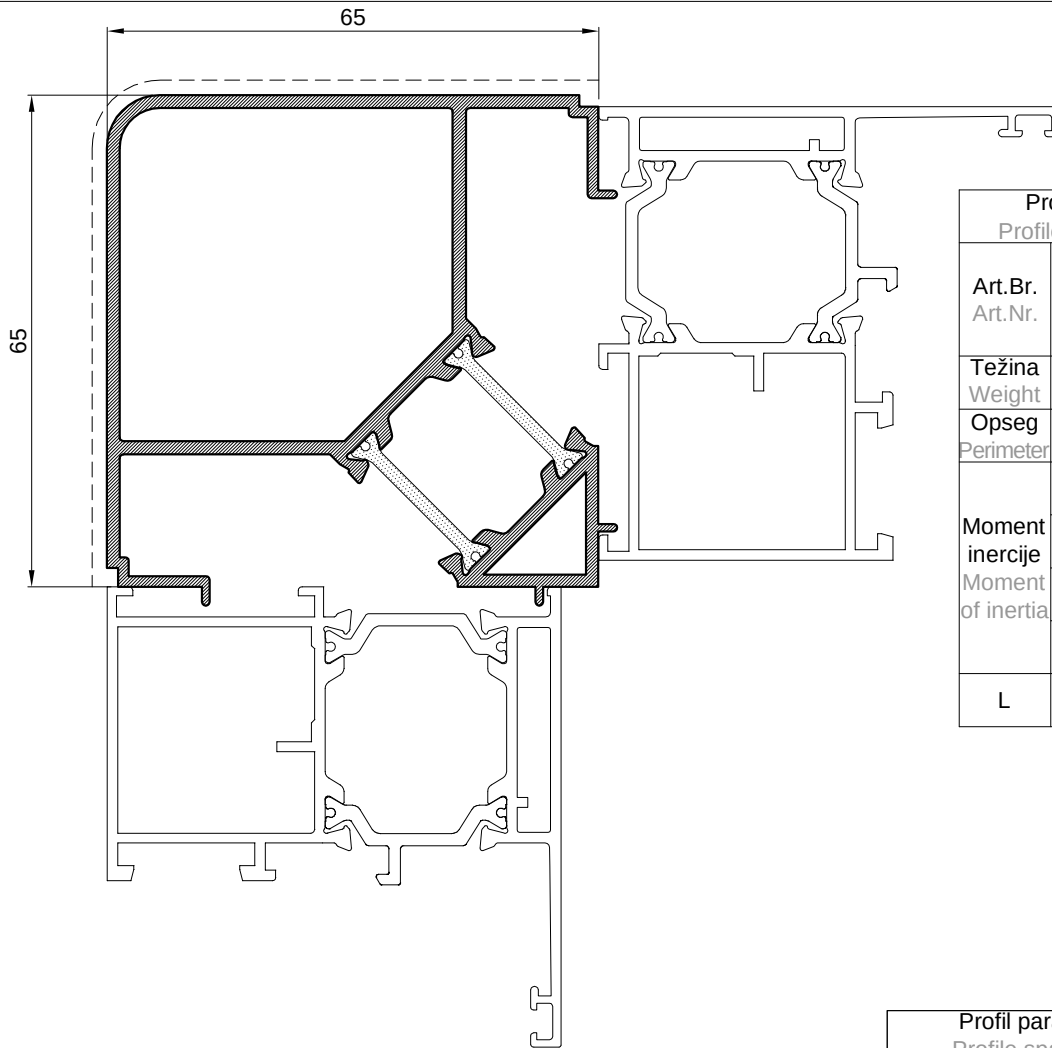


Vezni profil Connection profile		
Art.Br. Art.Nr.	FT-0642	
Težina Weight	kg/m	0.856
Opseg Perimeter	mm	287
Moment inercije Moment of inertia	Ix (cm4)	8.87
	Iy (cm4)	0.43
	Wx (cm3)	3.33
	Wy (cm3)	0.51
L	mm	6500

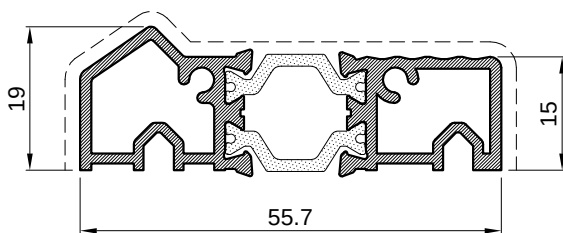


Vezni profil Connection profile		
Art.Br. Art.Nr.	FT-0647	
Težina Weight	kg/m	1.069
Opseg Perimeter	mm	262
Moment inercije Moment of inertia	Ix (cm4)	12.37
	Iy (cm4)	1.6
	Wx (cm3)	4.72
	Wy (cm3)	1.07
L	mm	6500

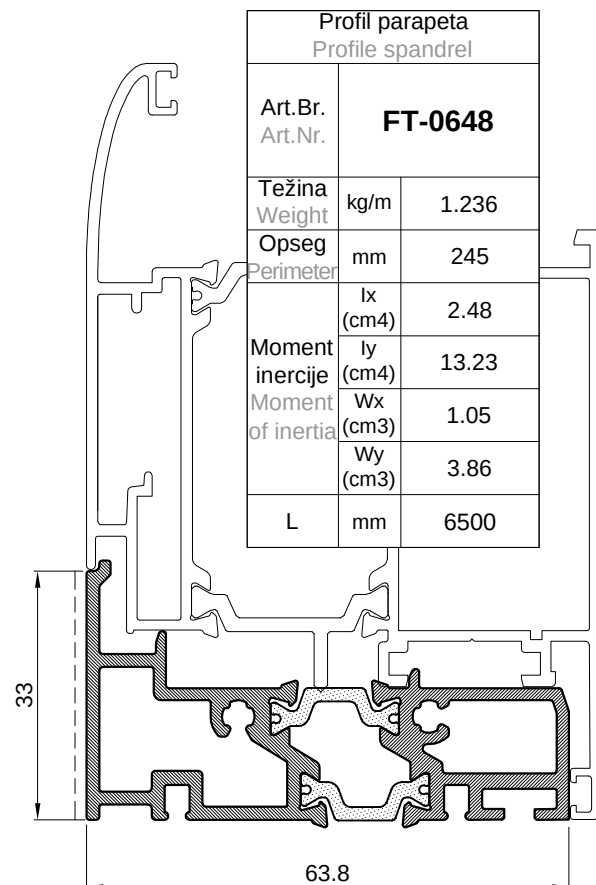
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



Profil za kut 90° Profile for corner 90°		
Art.Br. Art.Nr.	FT-0222	
Težina Weight	kg/m	1.586
Opseg Perimeter	mm	390
Moment inercije Moment of inertia	Ix (cm4)	25.82
	Iy (cm4)	28.58
	Wx (cm3)	8.32
	Wy (cm3)	8.32
L	mm	6500

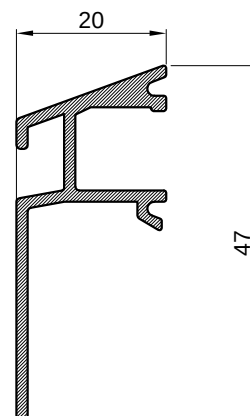
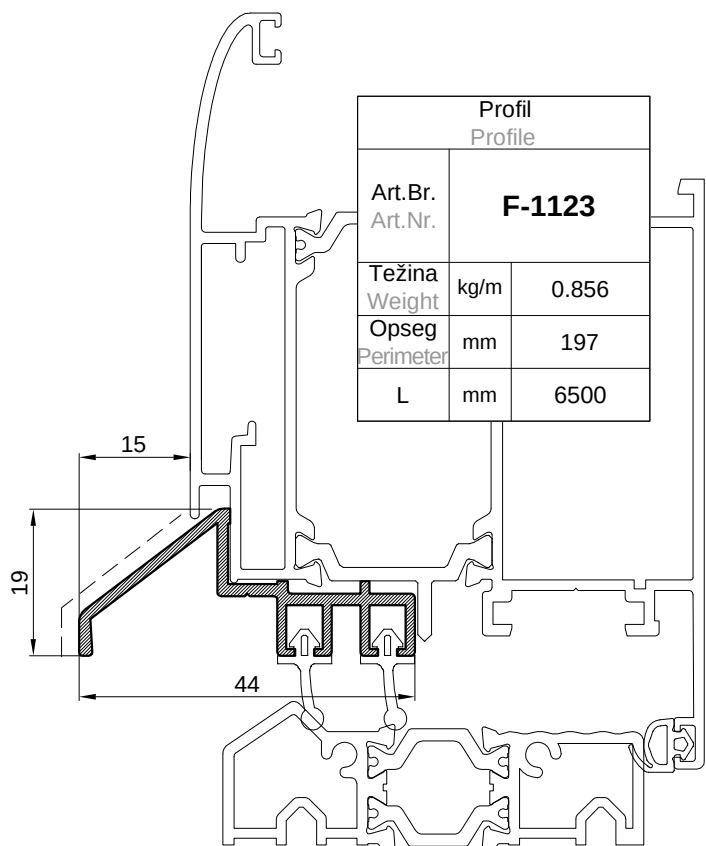


Profil praga Profile threshold		
Art.Br. Art.Nr.	FT-0643	
Težina Weight	kg/m	0.825
Opseg Perimeter	mm	172
L	mm	6500

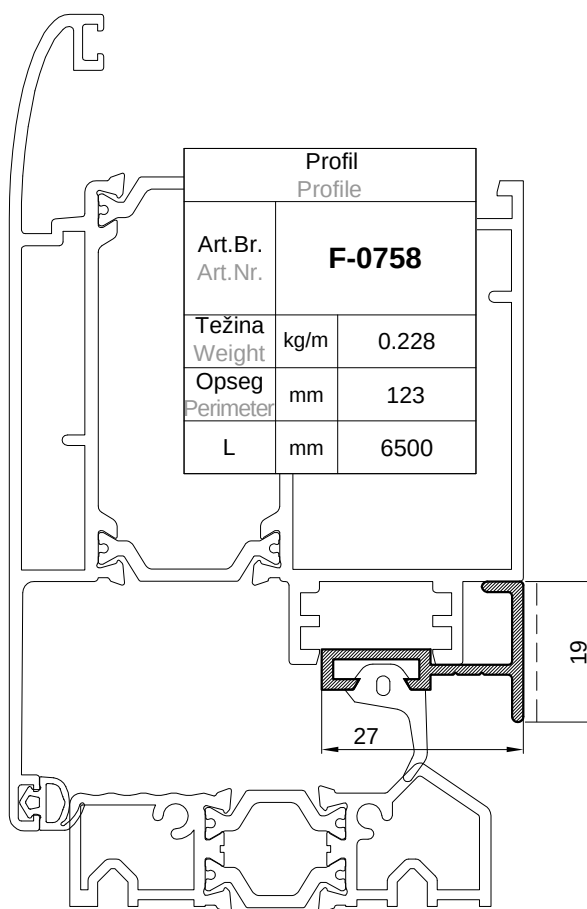
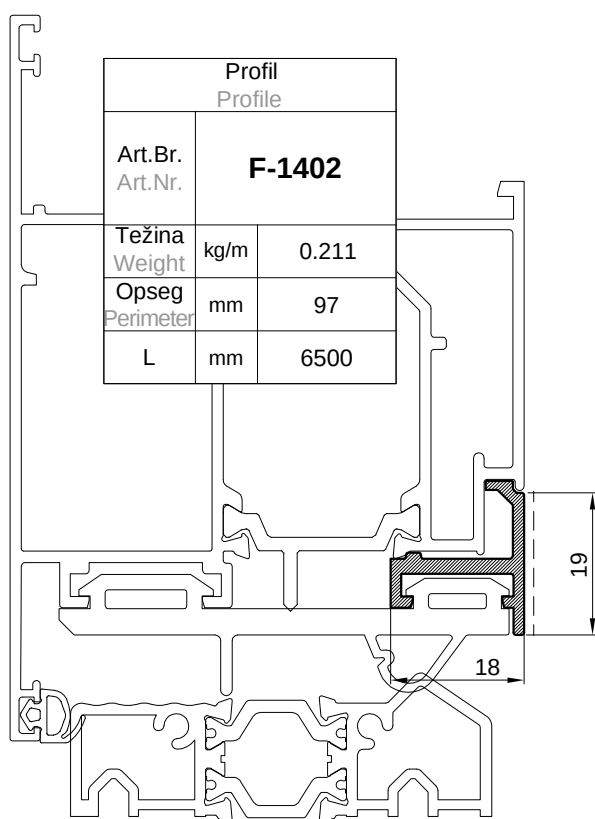


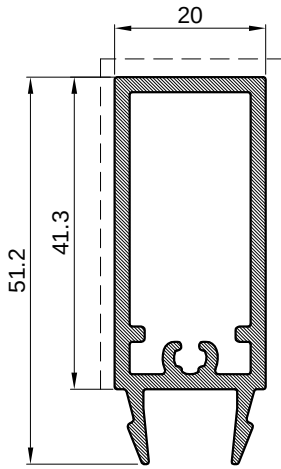
Profil parapeta Profile spandrel		
Art.Br. Art.Nr.	FT-0648	
Težina Weight	kg/m	1.236
Opseg Perimeter	mm	245
Moment inercije Moment of inertia	Ix (cm4)	2.48
	Iy (cm4)	13.23
	Wx (cm3)	1.05
	Wy (cm3)	3.86
L	mm	6500

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

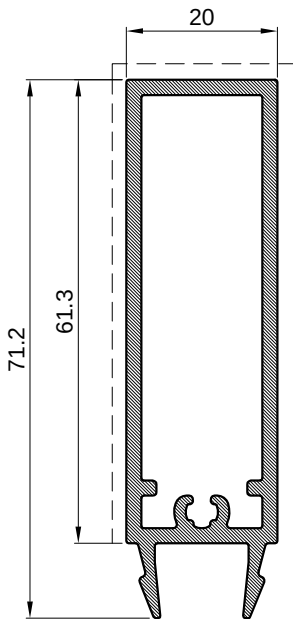
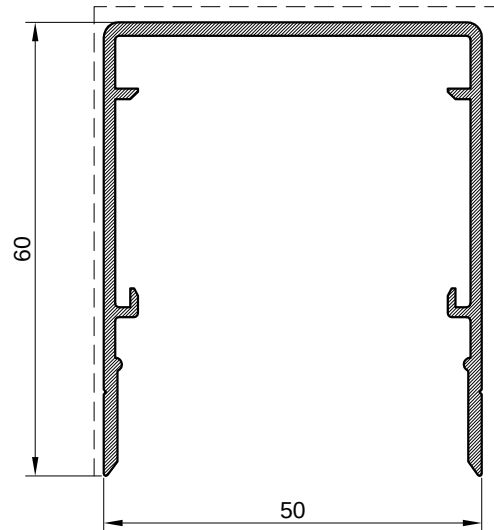


Profil Profile		
Art.-Br.	NP-3466	
Težina	kg/m	0.4
Opseg	mm	180
Dužina isporuke	mm	6500



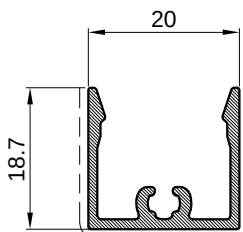
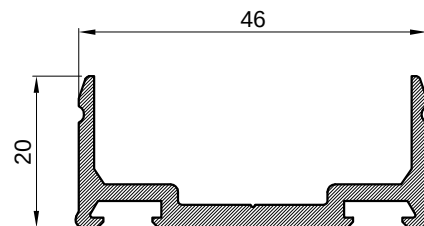


Profil ojačanja prečke Window crossbar reinforcement		
Art.Br. Art.Nr.	F-1634	
Težina Weight	kg/m	0.774
Opseg Perimeter	mm	160
Moment inercije Moment of inertia	I _x (cm ⁴)	7.06
	I _y (cm ⁴)	1.69
	W _x (cm ³)	2.69
	W _y (cm ³)	1.69
L	mm	6500



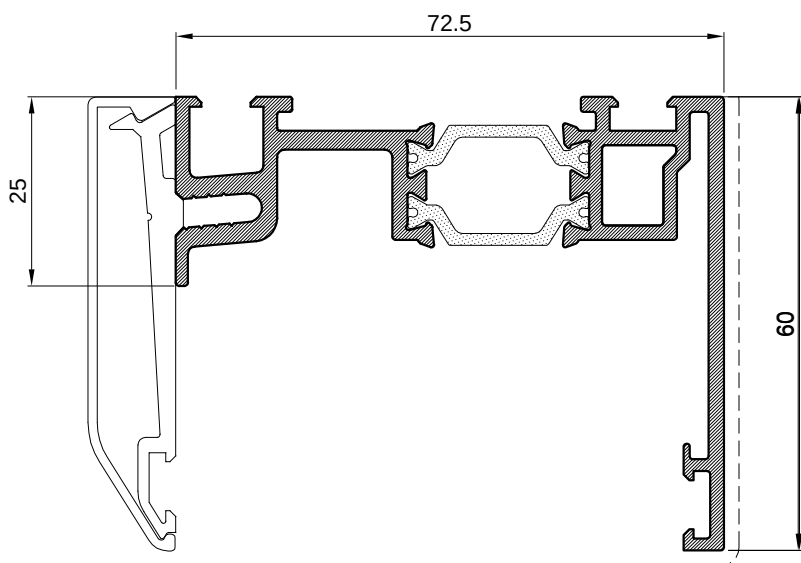
Profil ojačanja prečke Window crossbar reinforcement		
Art.Br. Art.Nr.	NP-4183	
Težina Weight	kg/m	0.990
Opseg Perimeter	mm	200
Moment inercije Moment of inertia	I _x (cm ⁴)	18.21
	I _y (cm ⁴)	2.34
	W _x (cm ³)	5.11
	W _y (cm ³)	2.34
L	mm	6500

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

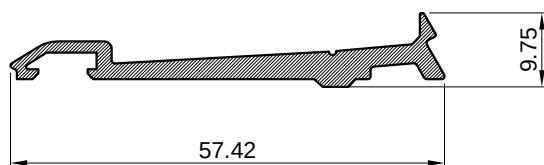


Maska profila ojačanja Reinforcement profile mask		
Art.Br. Art.Nr.	NP-4184	
Težina Weight	kg/m	0.243
Opseg Perimeter	mm	129
L	mm	6500

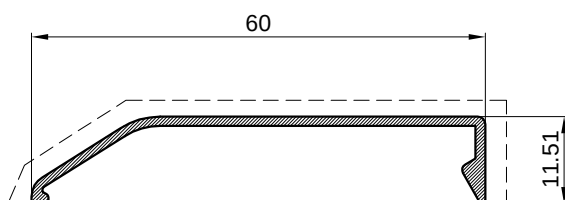
Profil ojačanja Reinforcement profile		
Art.Br. Art.Nr.	FMO 50/20D	
Težina Weight	kg/m	0.558
Opseg Perimeter	mm	185
L	mm	6500



Profil za ugradnju Installation profile		
Art.Br. Art.Nr.	FT-0604	
Težina Weight	kg/m	1.452
Opseg Perimeter	mm	432
L	mm	6500

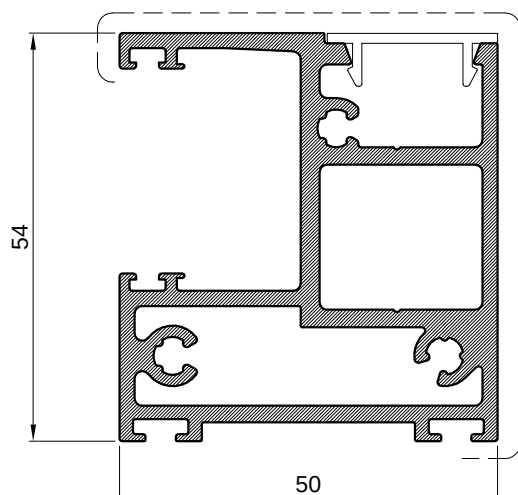


Profil za ugradnju Installation profile		
Art.Br. Art.Nr.	F-1190	
Težina Weight	kg/m	0.461
Opseg Perimeter	mm	145
L	mm	6500

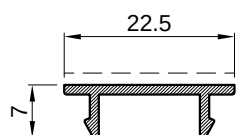


Profil za ugradnju Installation profile		
Art.Br. Art.Nr.	FM-072	
Težina Weight	kg/m	0.258
Opseg Perimeter	mm	152
L	mm	6500

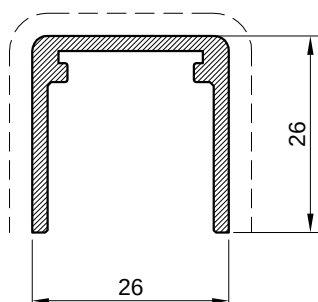
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”



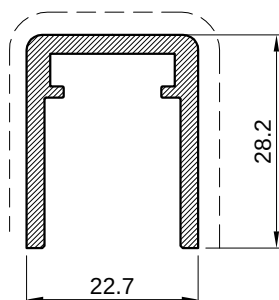
Profil francuskog balkona French balcony profile		
Art.Br. Art.Nr.	F-1569	
Težina Weight	kg/m	1.78
Opseg Perimeter	mm	357
L	mm	6500



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

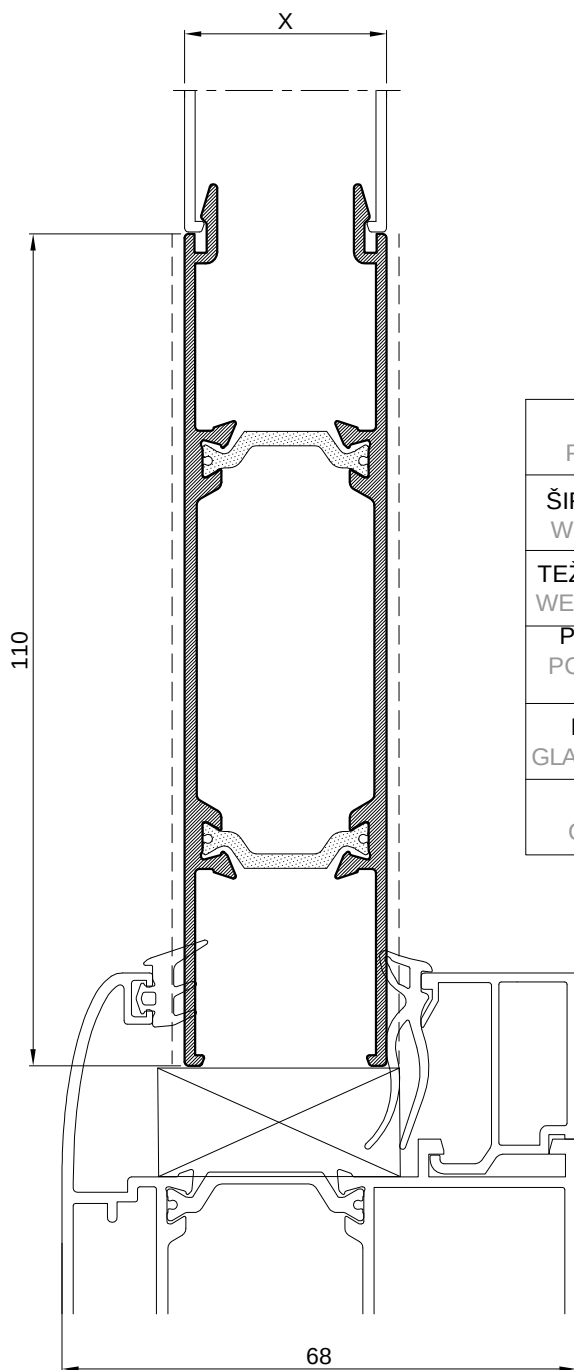


Profil rukovata za 1010.4 Handrail profile for 1010.4		
Art.Br. Art.Nr.	F-1437	
Težina Weight	kg/m	0.444
Opseg Perimeter	mm	154
L	mm	6500

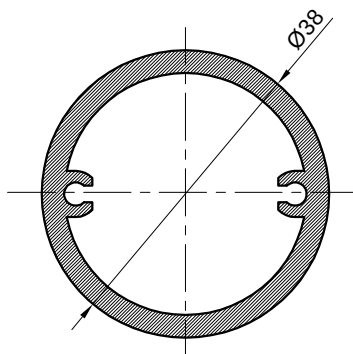


Profil rukovata za 88.4 Handrail profile for 88.4		
Art.Br. Art.Nr.	F-1490	
Težina Weight	kg/m	0.512
Opseg Perimeter	mm	158
L	mm	6500

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

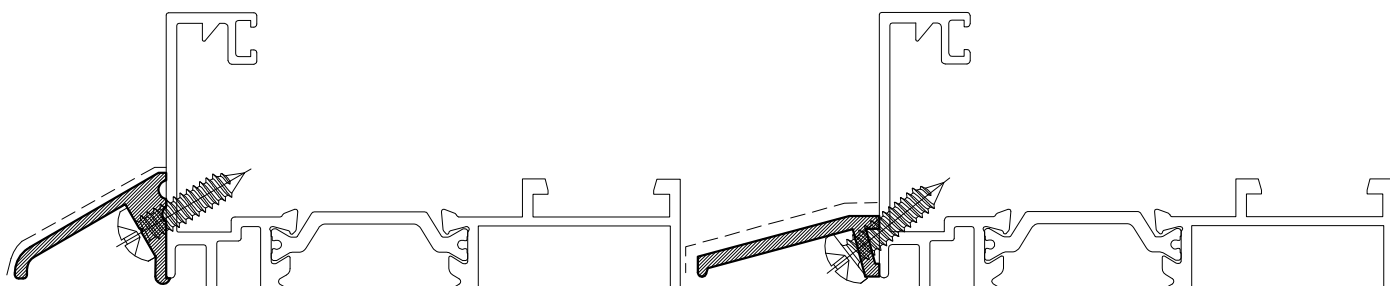


PROFIL PROFILE	FT-0142-35	FT-0142-33	FT-0142-27	FT-0142
ŠIRINA /mm/ WIDTH/mm/	34.7	32.7	26.7	19.5
TEŽINA /kg/m/ WEIGHT/kg/m/	1.423	1.413	1.372	1.327
POLIAMID POLYAMIDE /mm/	30	28	22	14.8
LAJSNA GLAZING BEAD	Z40-664 (10.5 mm)	Z40-665 (15.5 mm)	Z40-666 (20.5 mm)	Z40-667 (25.5 mm)
BRTVE GASKET	321.003 i 311.004	321.002 i 311.003	321.002 i 311.004	321.003 i 311.004



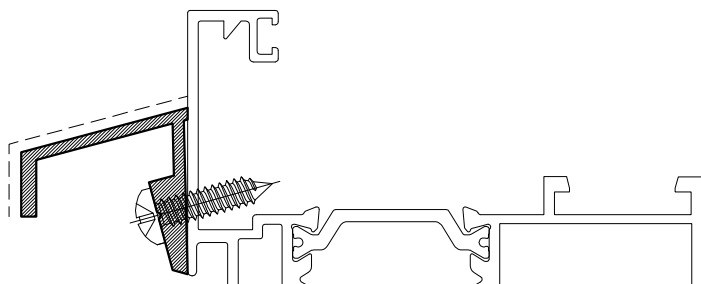
Profil rukohvata vrata Door handle profile		
Art.Br. Art.Nr.	F-0829	
Težina Weight	kg/m	0.953
Opseg Perimeter	mm	119
L	mm	6500

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

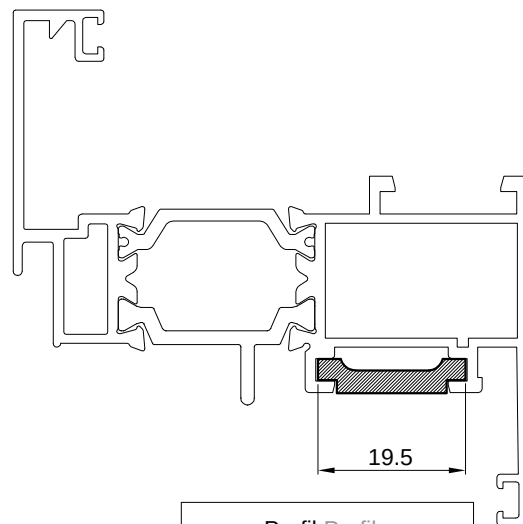


Profil Profile		
Art.Br. Art.Nr.	Z40-657	
Težina Weight	kg/m	0.186
Opseg Perimeter	mm	73
L	mm	6500

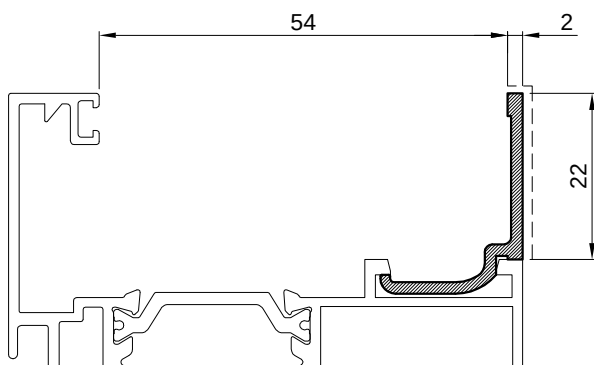
Profil Profile		
Art.Br. Art.Nr.	F-0228	
Težina Weight	kg/m	0.153
Opseg Perimeter	mm	68
L	mm	6500



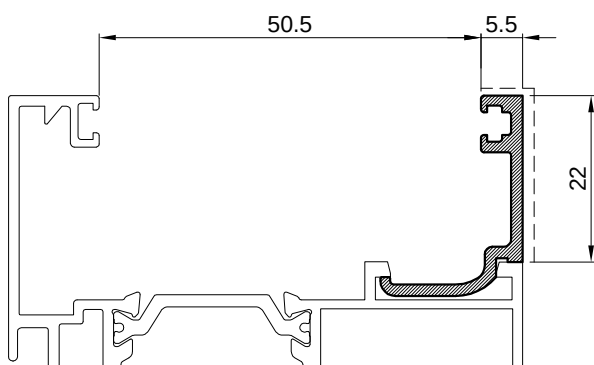
Profil Profile		
Art.Br. Art.Nr.	060050	
Težina Weight	kg/m	0.285
Opseg Perimeter	mm	107
L	mm	6500



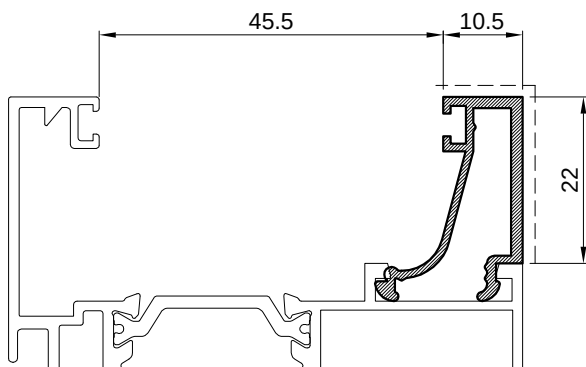
Profil Profile		
Art.Br. Art.Nr.	NC-1459	
Težina Weight	kg/m	0.156
Opseg Perimeter	mm	49
L	mm	6500



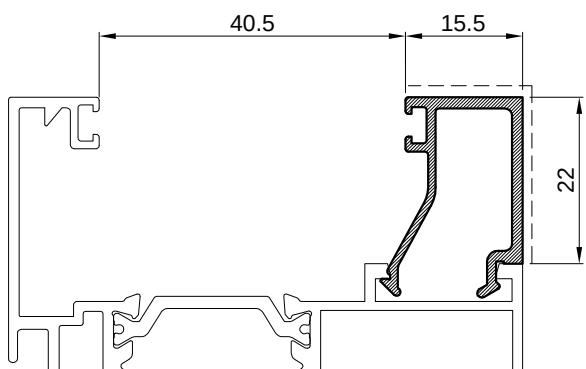
Profil Profile		
Art.Br. Art.Nr.	Z40-660	
Težina Weight	kg/m	0.179
Opseg Perimeter	mm	89
L	mm	6500



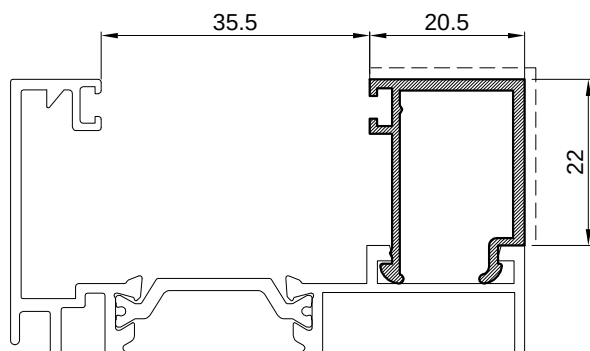
Profil Profile		
Art.Br. Art.Nr.	Z40-656	
Težina Weight	kg/m	0.215
Opseg Perimeter	mm	107
L	mm	6500



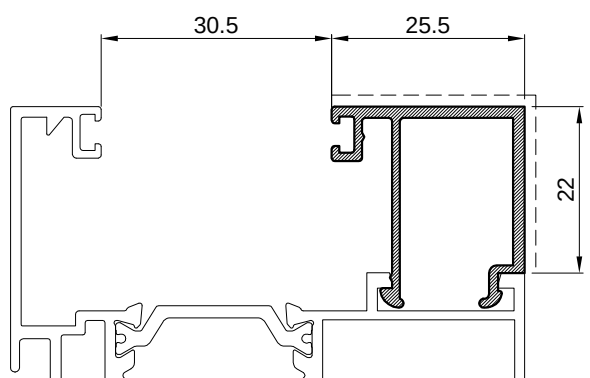
Profil Profile		
Art.Br. Art.Nr.	Z40-636	
Težina Weight	kg/m	0.261
Opseg Perimeter	mm	158
L	mm	6500



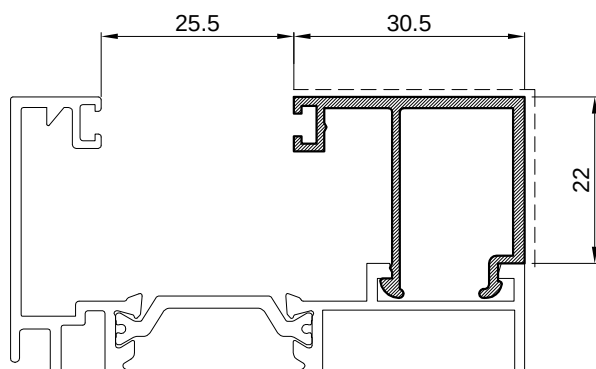
Profil Profile		
Art.Br. Art.Nr.	M45-709	
Težina Weight	kg/m	0.258
Opseg Perimeter	mm	153
L	mm	6500



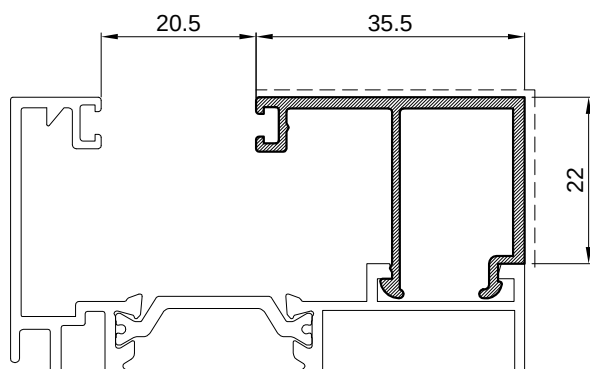
Profil Profile		
Art.Br. Art.Nr.	Z40-644	
Težina Weight	kg/m	0.275
Opseg Perimeter	mm	166
L	mm	6500



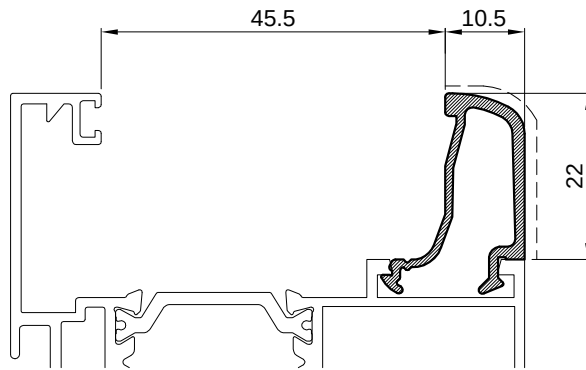
Profil Profile		
Art.Br. Art.Nr.	Z40-658	
Težina Weight	kg/m	0.318
Opseg Perimeter	mm	184
L	mm	6500



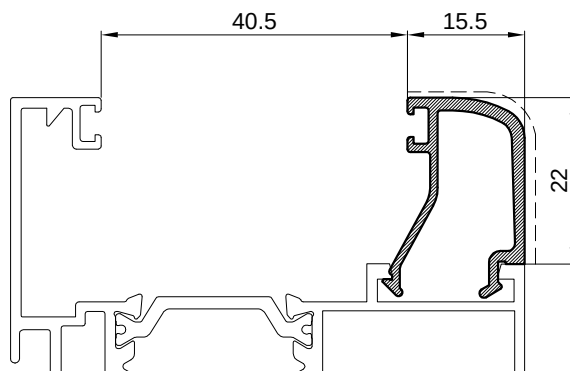
Profil Profile		
Art.Br. Art.Nr.	Z40-653	
Težina Weight	kg/m	0.347
Opseg Perimeter	mm	196
L	mm	6500



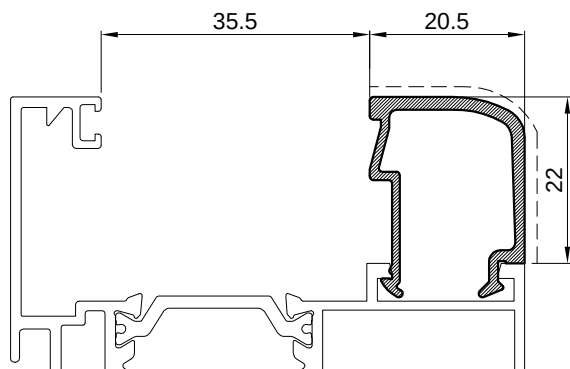
Profil Profile		
Art.Br. Art.Nr.	Z40-659	
Težina Weight	kg/m	0.359
Opseg Perimeter	mm	204
L	mm	6500



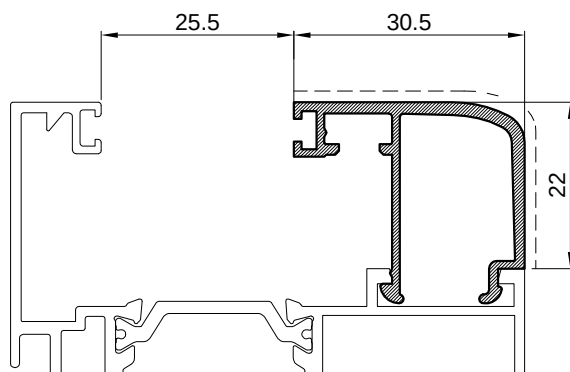
Profil Profile		
Art.Br. Art.Nr.	Z40-647	
Težina Weight	kg/m	0.226
Opseg Perimeter	mm	138
L	mm	6500



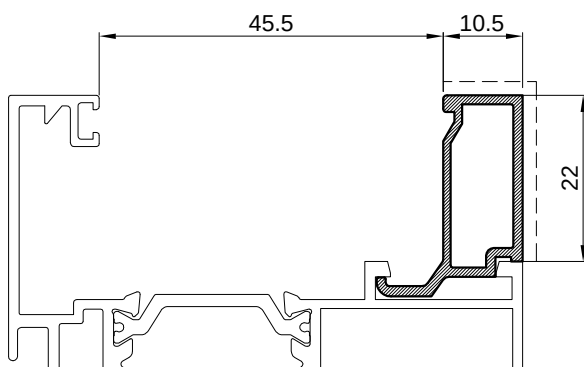
Profil Profile		
Art.Br. Art.Nr.	M45-740	
Težina Weight	kg/m	0.258
Opseg Perimeter	mm	148
L	mm	6500



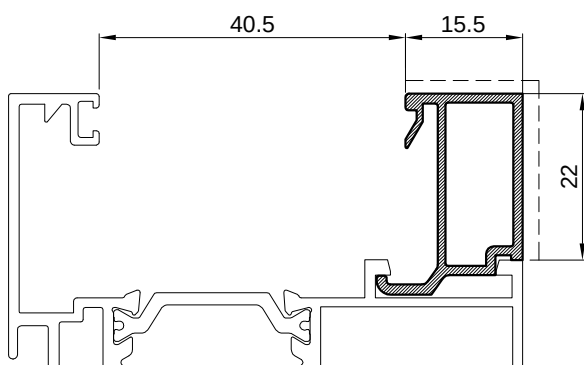
Profil Profile		
Art.Br. Art.Nr.	Z40-646	
Težina Weight	kg/m	0.286
Opseg Perimeter	mm	154
L	mm	6500



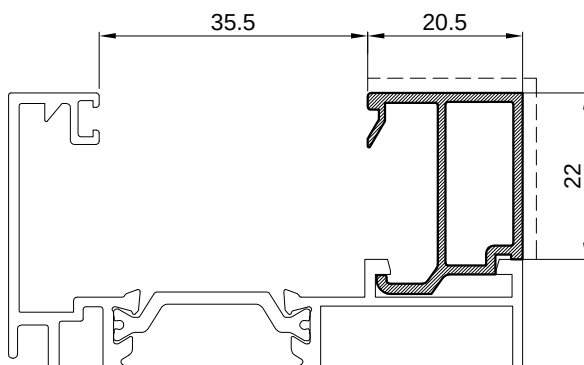
Profil Profile		
Art.Br. Art.Nr.	Z40-653/B	
Težina Weight	kg/m	0.356
Opseg Perimeter	mm	197
L	mm	6500



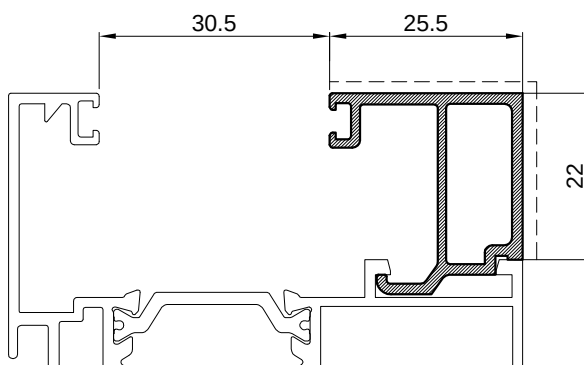
Profil Profile		
Art.Br. Art.Nr.	Z40-664	
Težina Weight	kg/m	0.243
Opseg Perimeter	mm	93
L	mm	6500



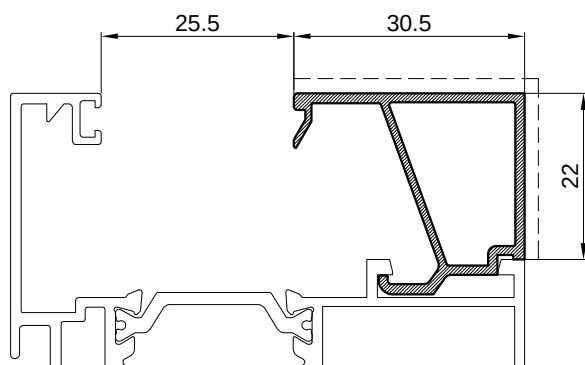
Profil Profile		
Art.Br. Art.Nr.	Z40-665	
Težina Weight	kg/m	0.272
Opseg Perimeter	mm	112
L	mm	6500



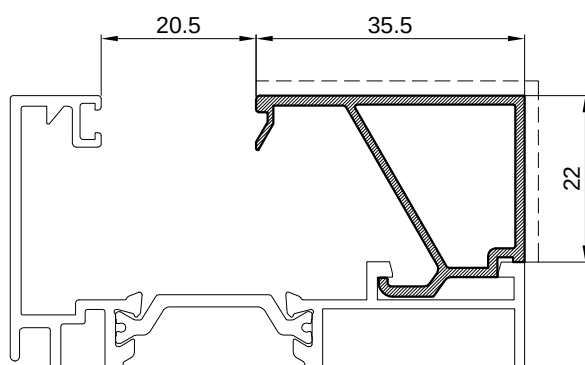
Profil Profile		
Art.Br. Art.Nr.	Z40-666	
Težina Weight	kg/m	0.289
Opseg Perimeter	mm	122
L	mm	6500



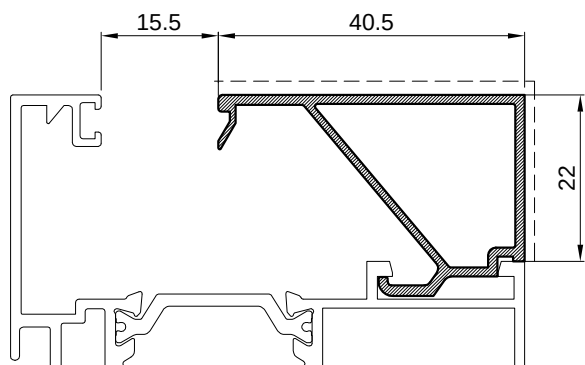
Profil Profile		
Art.Br. Art.Nr.	Z40-667	
Težina Weight	kg/m	0.358
Opseg Perimeter	mm	139
L	mm	6500



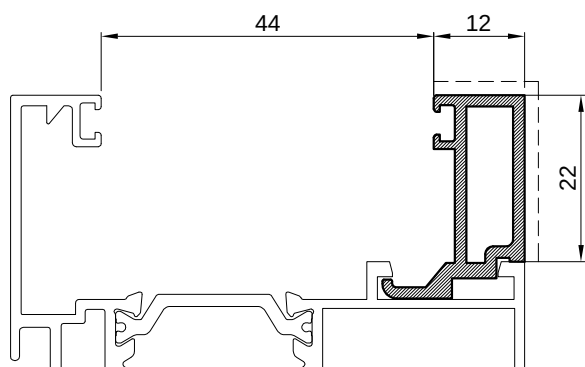
Profil Profile		
Art.Br. Art.Nr.	Z40-668	
Težina Weight	kg/m	0.326
Opseg Perimeter	mm	135
L	mm	6500



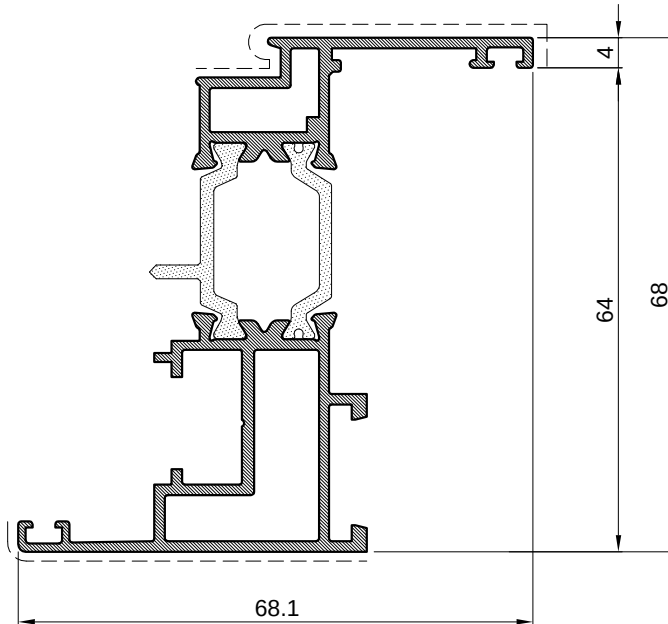
Profil Profile		
Art.Br. Art.Nr.	Z40-669	
Težina Weight	kg/m	0.347
Opseg Perimeter	mm	143
L	mm	6500



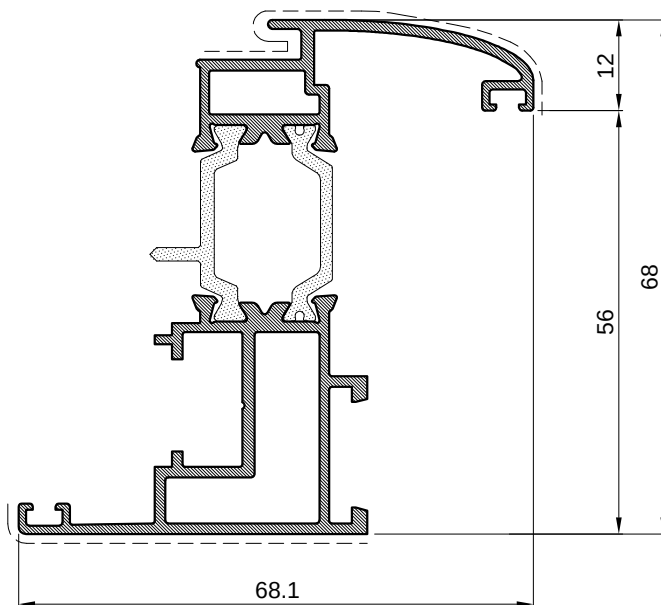
Profil Profile		
Art.Br. Art.Nr.	Z40-670	
Težina Weight	kg/m	0.373
Opseg Perimeter	mm	150
L	mm	6500



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

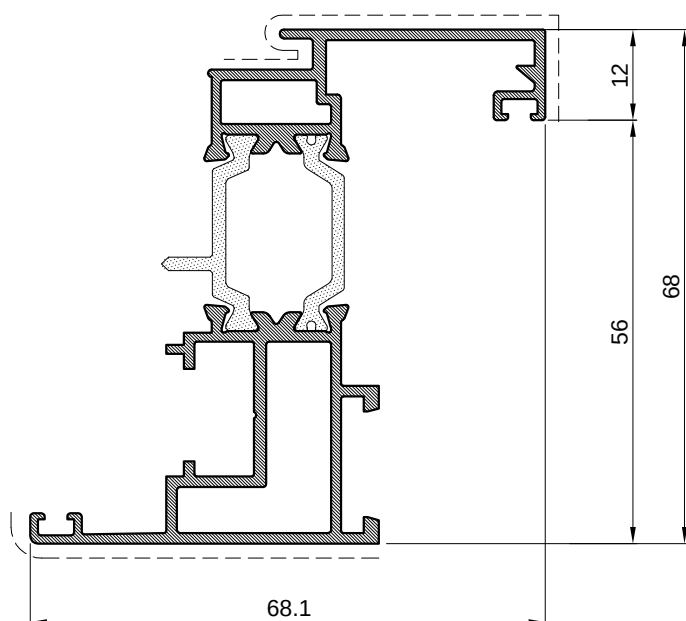


Profil okvira		
Art.-Br.	FT-0616	
Težina	kg/m	1.243
Opseg	mm	388
Moment inercije	I _x (cm ⁴)	18.32
	I _y (cm ⁴)	6.46
	W _x (cm ⁴)	6.96
	W _y (cm ⁴)	1.88
Dužina isporuke	mm	6500

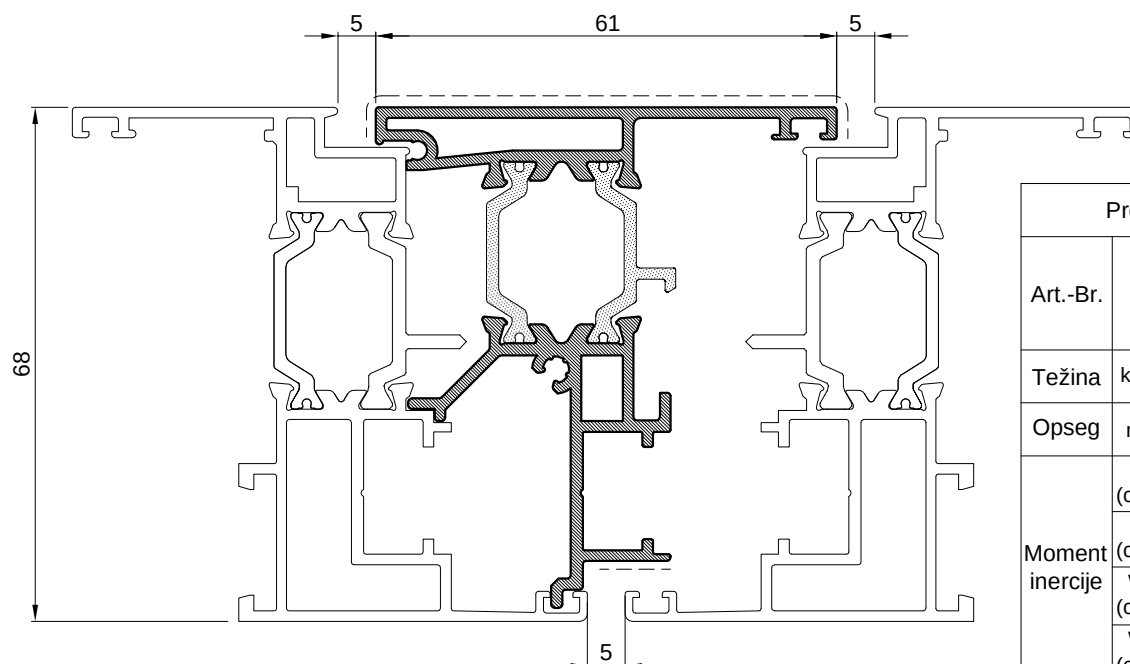


Profil okvira		
Art.-Br.	FT-0617	
Težina	kg/m	1.248
Opseg	mm	410
Moment inercije	I _x (cm ⁴)	17.75
	I _y (cm ⁴)	7.21
	W _x (cm ⁴)	6.69
	W _y (cm ⁴)	2.11
Dužina isporuke	mm	6500

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



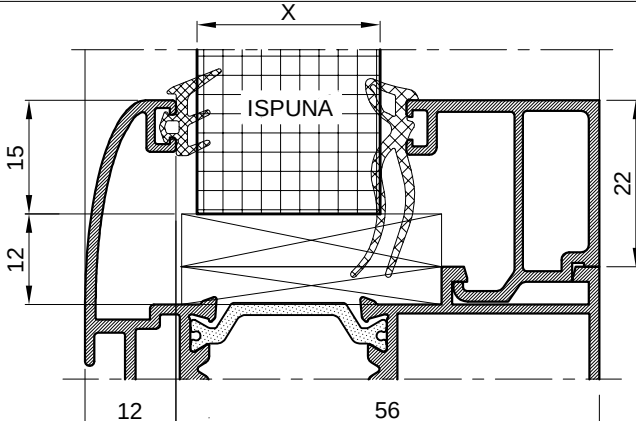
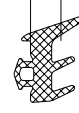
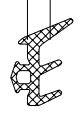
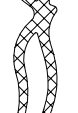
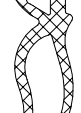
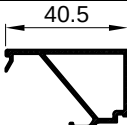
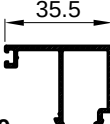
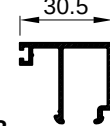
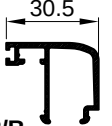
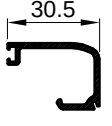
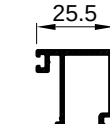
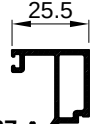
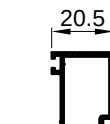
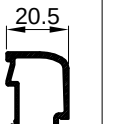
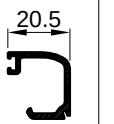
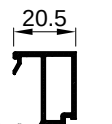
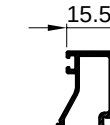
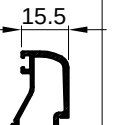
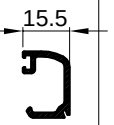
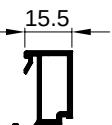
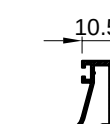
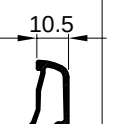
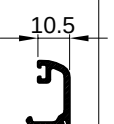
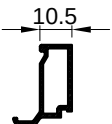
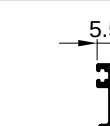
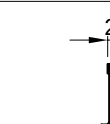
Profil okvira		
Art.-Br.	FT-0618	
Težina	kg/m	1.274
Opseg	mm	423
Moment inercije	I _x (cm ⁴)	18.71
	I _y (cm ⁴)	8.28
	W _x (cm ⁴)	7.25
	W _y (cm ⁴)	2.37
Dužina isporuke	mm	6500

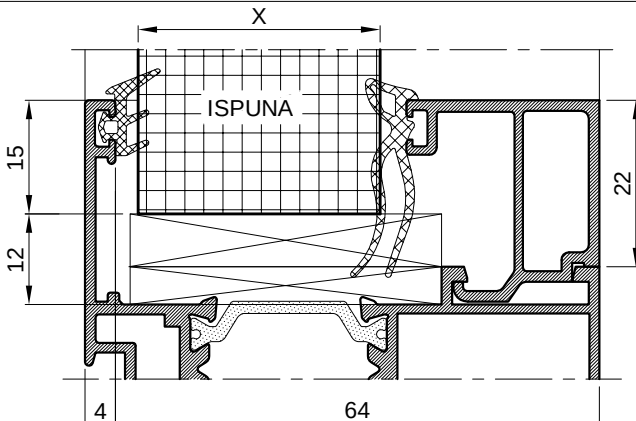
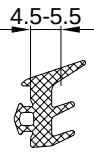
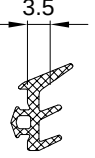
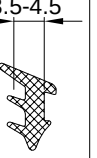
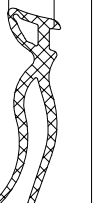
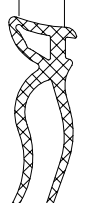
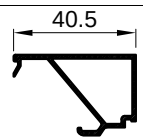
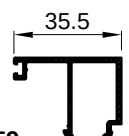
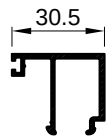
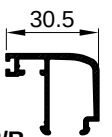
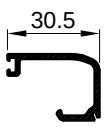
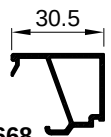
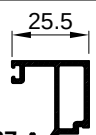
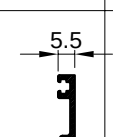
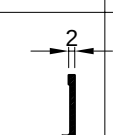
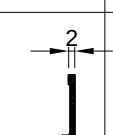


Profil okvira		
Art.-Br.	FT-0633	
Težina	kg/m	1.189
Opseg	mm	402
Moment inercije	I _x (cm ⁴)	12.07
	I _y (cm ⁴)	6.46
	W _x (cm ⁴)	3.75
	W _y (cm ⁴)	1.85
Dužina isporuke	mm	6500

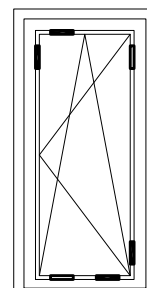
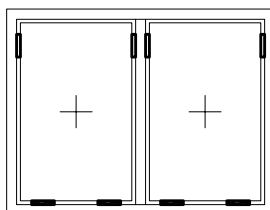
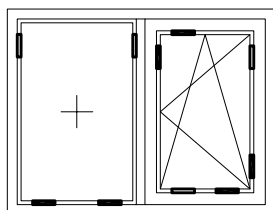
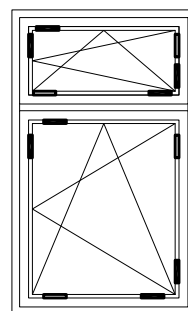
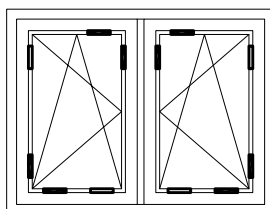
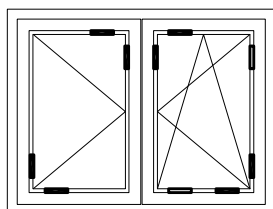
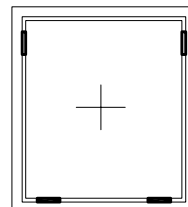
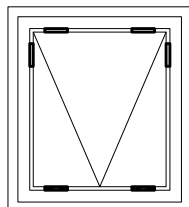
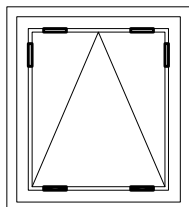
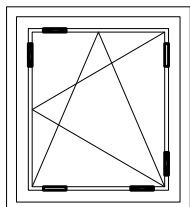
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFILE WITH XPS HAVE ENDING „F”

Prikaz stakljenja Glazing

Vanjska brtva Outside gasket		Unutarnje brtve Inside gasket						
321.003 (Z113)	321.002 (Z111)	311.002 (918)	311.003	311.004				
								
Ispuna X Fillings X	Vanjska brtva Outside gas.	Unutar. brtva Inside gasket	LAJSNE ZA STAKLO BEAD FOR GLASS					
4-5	321.003	311.004						
6-7	321.002	311.004						
8	321.002	311.003 (311.002)						
9-10	321.003	311.004						
11-12	321.002	311.004						
13	321.002	311.003 (311.002)						
14-15	321.003	311.004						
16-17	321.002	311.004						
18	321.002	311.003 (311.002)						
19-20	321.003	311.004						
21-22	321.002	311.004						
23	321.002	311.003 (311.002)						
24-25	321.003	311.004						
26-27	321.002	311.004						
28	321.002	311.003 (311.002)						
29-30	321.003	311.004						
31-32	321.002	311.004						
33	321.002	311.003 (311.002)						
34-35	321.003	311.004						
36-37	321.002	311.004						
38	321.002	311.003 (311.002)						
39-40	321.003	311.004						
41-42	321.002	311.004						
43	321.002	311.003 (311.002)						
44	321.003	311.004						
45	321.002	311.004						
46	321.002	311.003 (311.002)						

Vanjska brtva Outside gasket		Unutarnje brtve Inside gasket						
321.003 (Z113)	321.002 (Z111)	311.002 (918)	311.003	311.004				
								
Ispuna X Fillings X	Vanjska brtva Outside gas.	Unutar. brtva Inside gasket	LAJSNE ZA STAKLO BEAD FOR GLASS					
12-13	321.003	311.004						
14-15	321.002	311.004						
16	321.002	311.003 (311.002)						
17-18	321.003	311.004						
19-20	321.002	311.004						
21	321.002	311.003 (311.002)						
22-23	321.003	311.004						
24-25	321.002	311.004						
26	321.002	311.003 (311.002)						
27-28	321.003	311.004						
29-30	321.002	311.004						
31	321.002	311.003 (311.002)						
32-33	321.003	311.004						
34-35	321.002	311.004						
36	321.002	311.003 (311.002)						
37-38	321.003	311.004						
39-40	321.002	311.004						
41	321.002	311.003 (311.002)						
42-43	321.003	311.004						
44-45	321.002	311.004						
46	321.002	311.003 (311.002)						
47-48	321.003	311.004						
49-50	321.002	311.004						
51	321.002	311.003 (311.002)						
52	321.003	311.004						
53	321.002	311.004						
54	321.002	311.003 (311.002)						
55	321.003	311.004						
56	321.002	311.004						
57	321.002	311.003 (311.002)						
58	321.003	311.004						
59	321.002	311.004						
60	321.002	311.003 (311.002)						
61	321.003	311.004						
62	321.002	311.004						
63	321.002	311.003 (311.002)						
64	321.003	311.004						
65	321.002	311.004						
66	321.002	311.003 (311.002)						
67	321.003	311.004						
68	321.002	311.004						
69	321.002	311.003 (311.002)						
70	321.003	311.004						
71	321.002	311.004						
72	321.002	311.003 (311.002)						

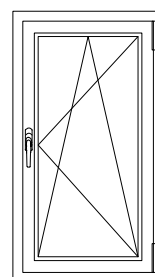
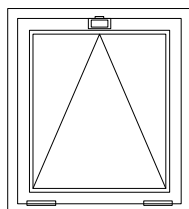
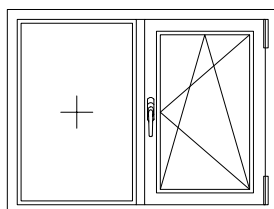
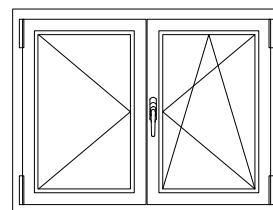
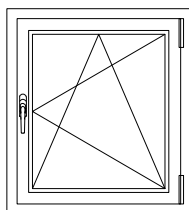
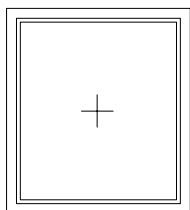
PREPORUKE ZA RASPORED PODMETAČA KOD UGRADNJE ELEMENATA ZA ISPUNU RECOMMENDATION FOR PACKERS PLACEMENT BY INSTALLATION OF FILLINGS

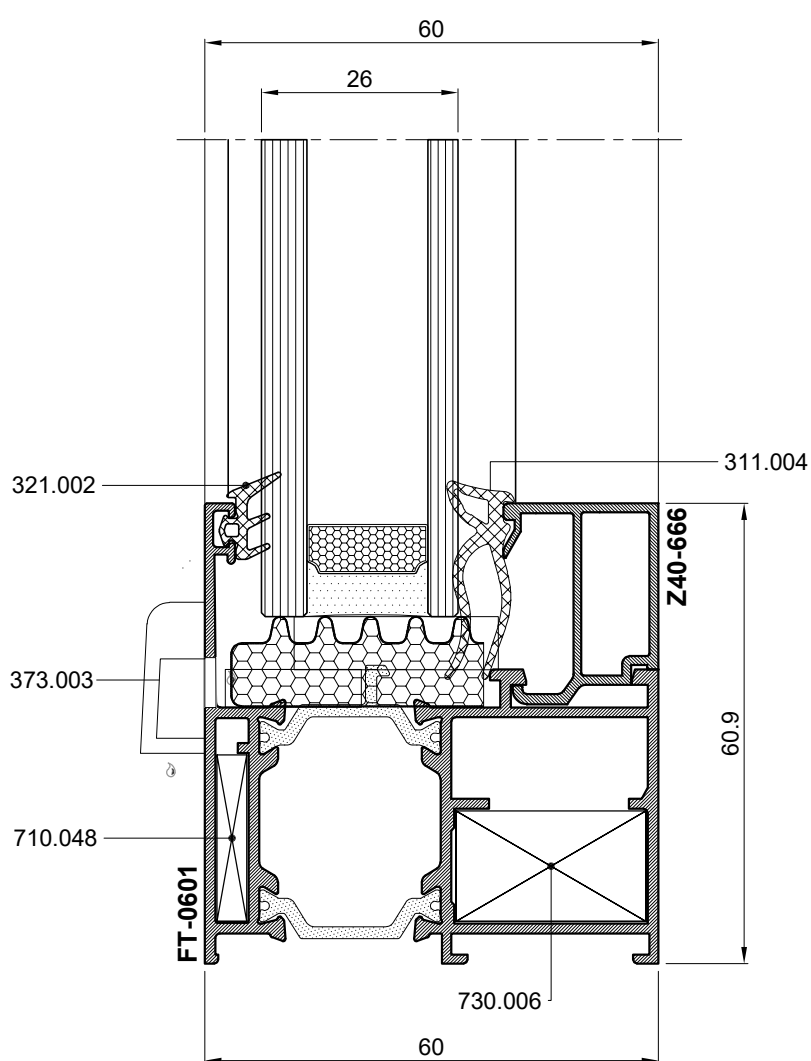
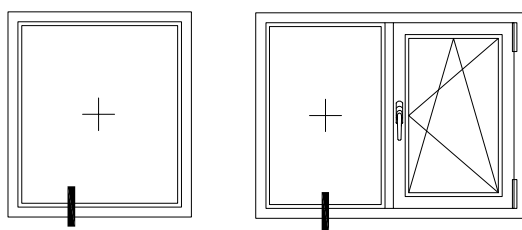


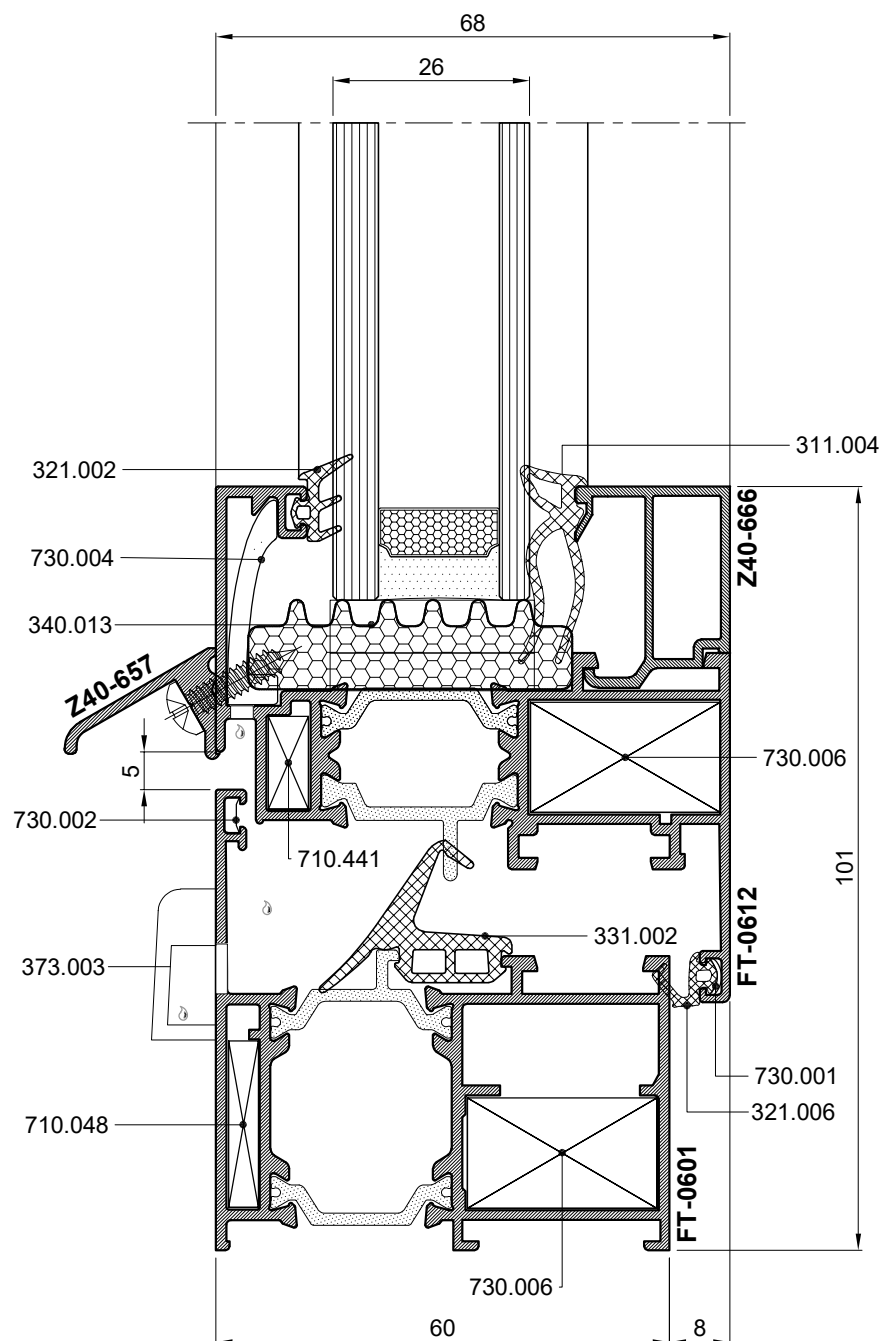
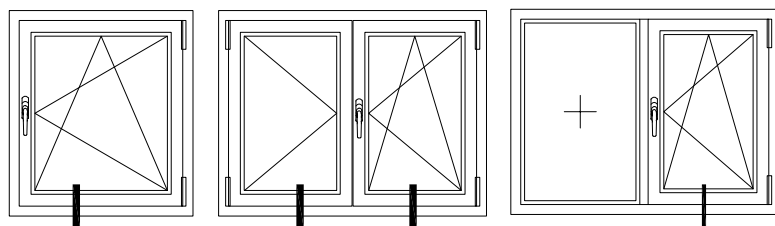
-  nosivi podmetač
support packer
-  odstojni podmetač
distance packer

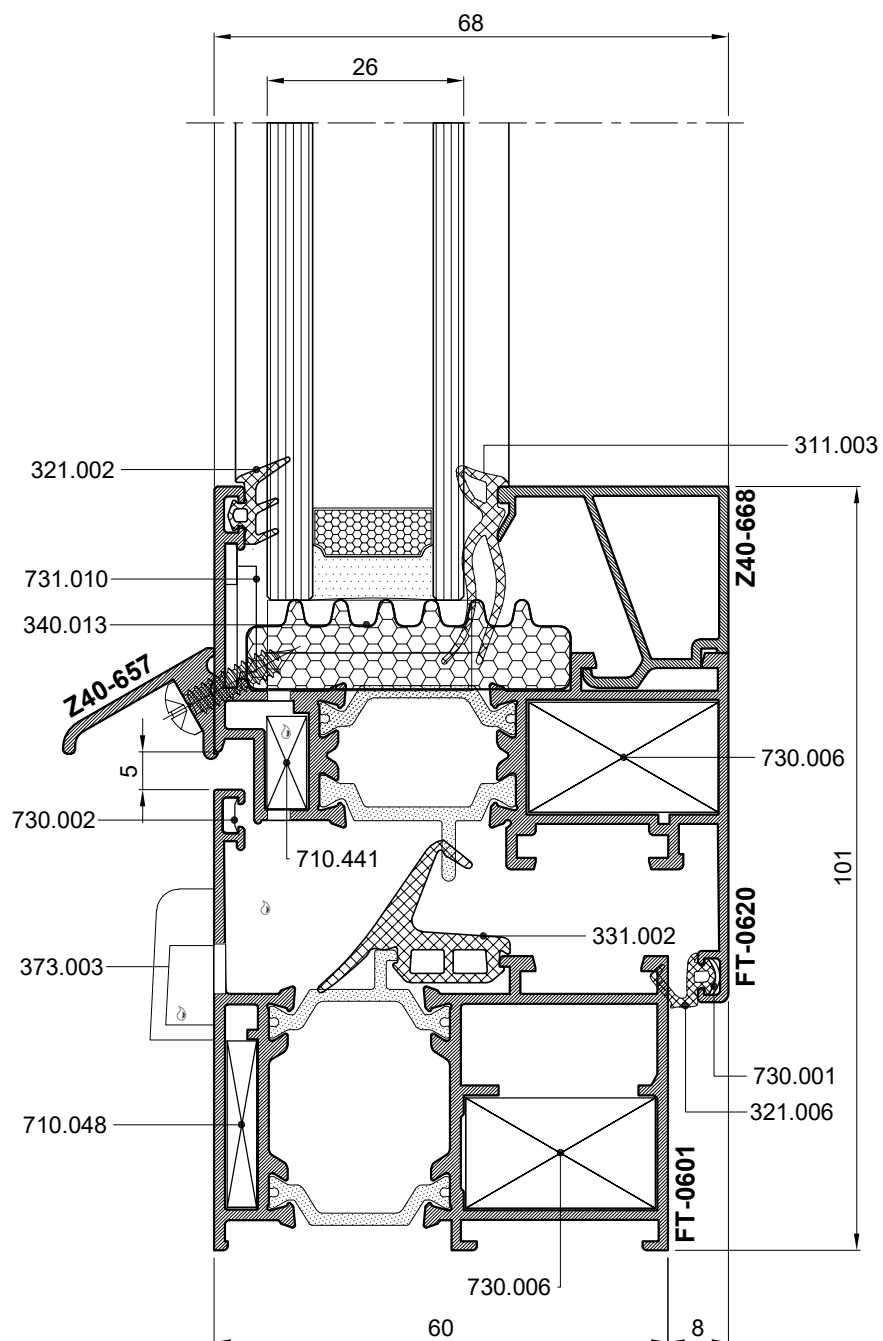
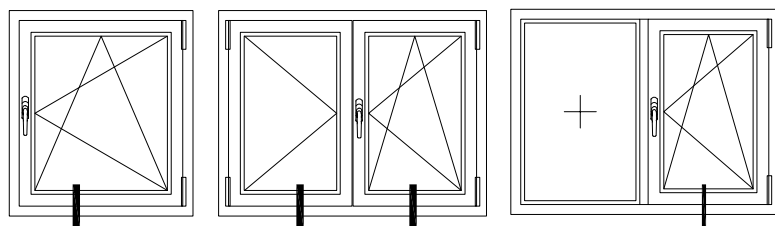
Materijal podmetača: PVC
Material packers: PVC

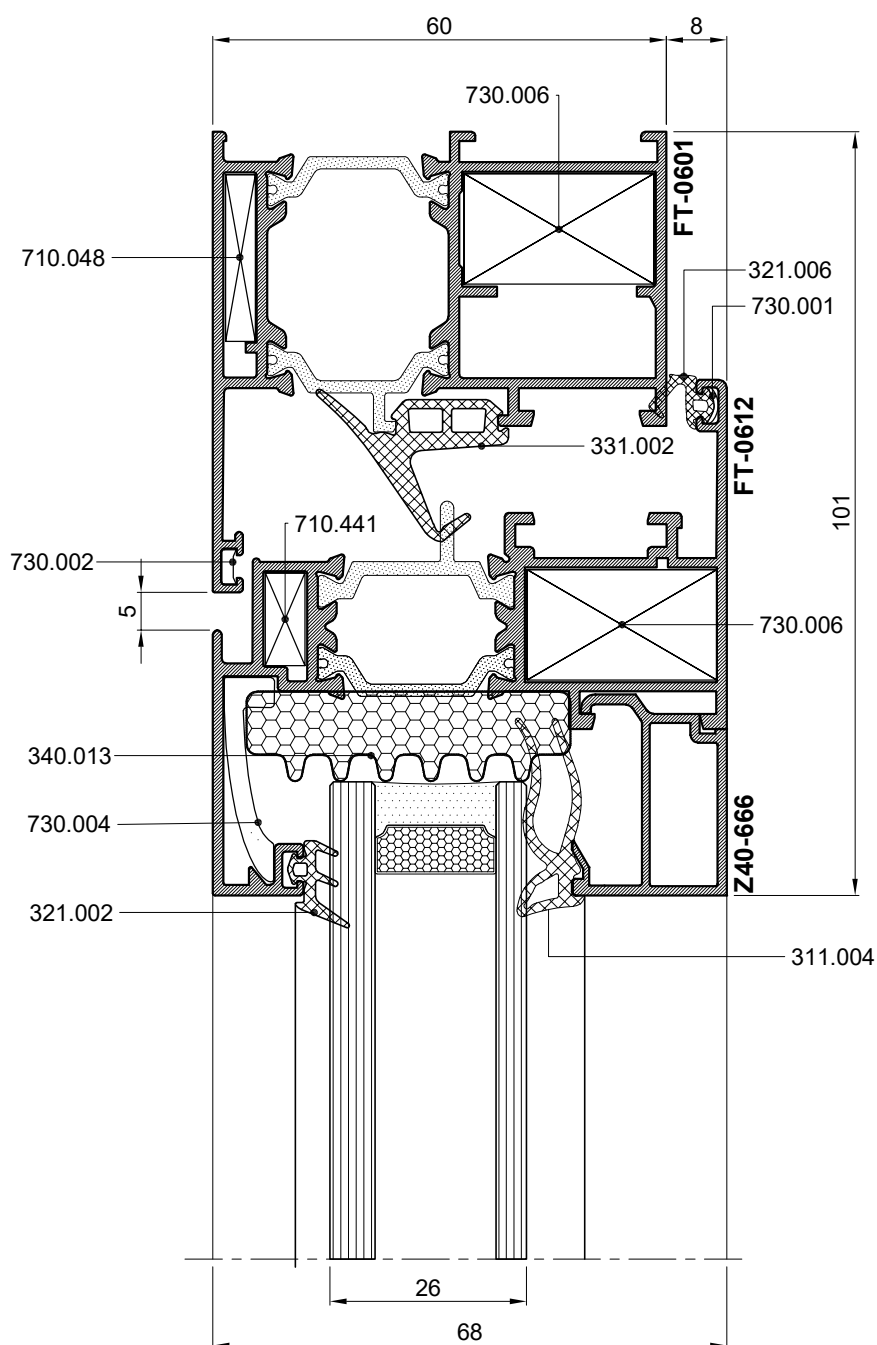
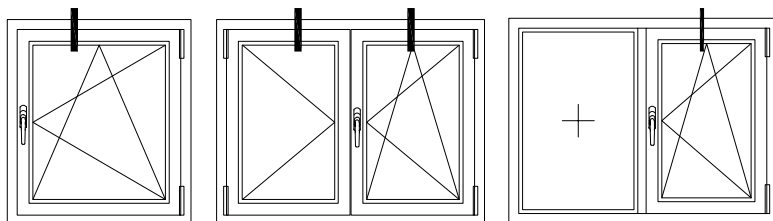
Presjeci Cross section

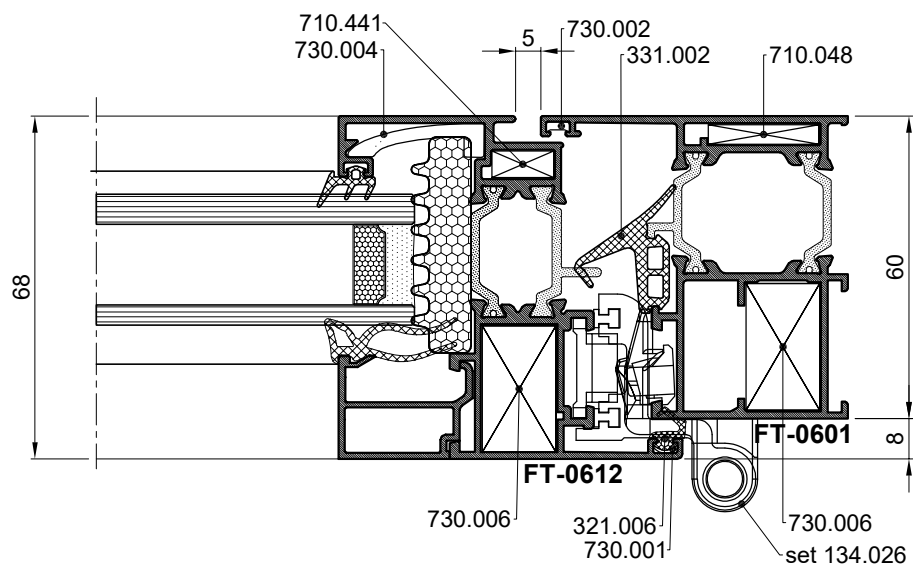
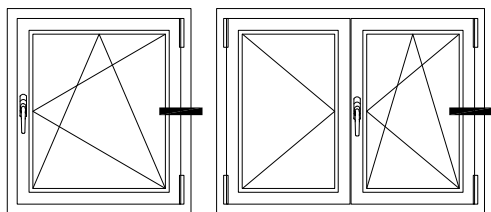




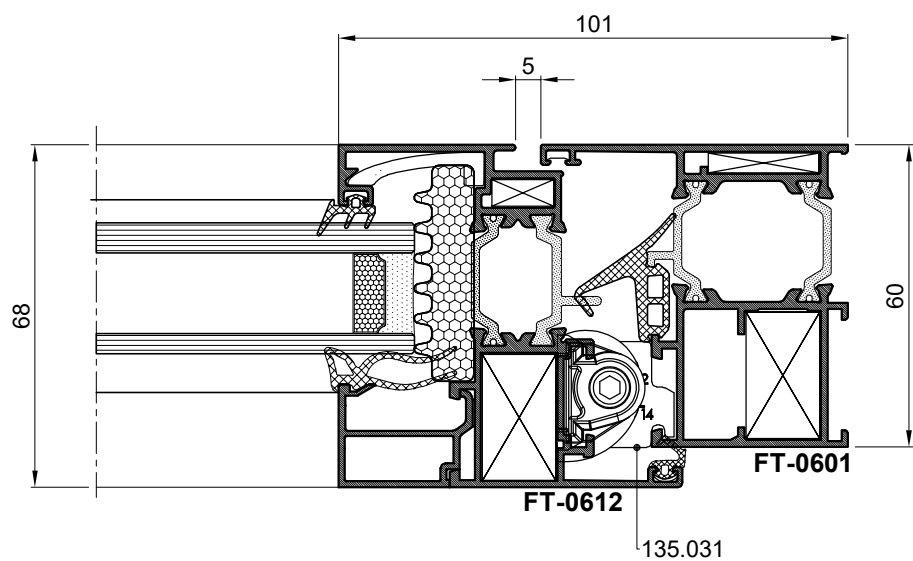


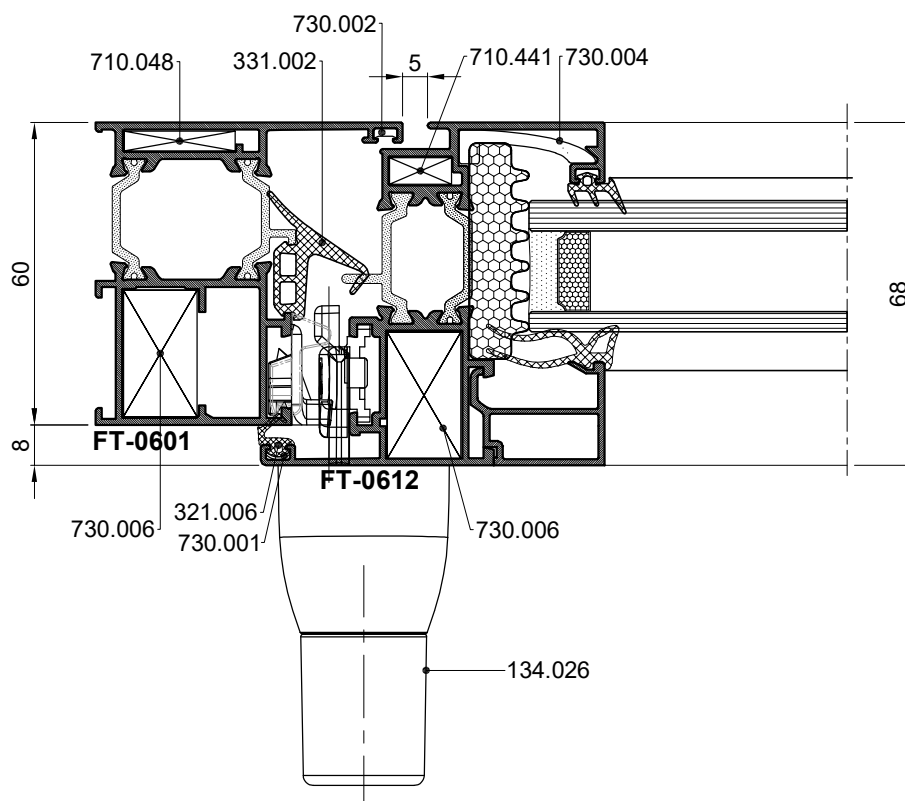
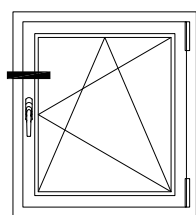




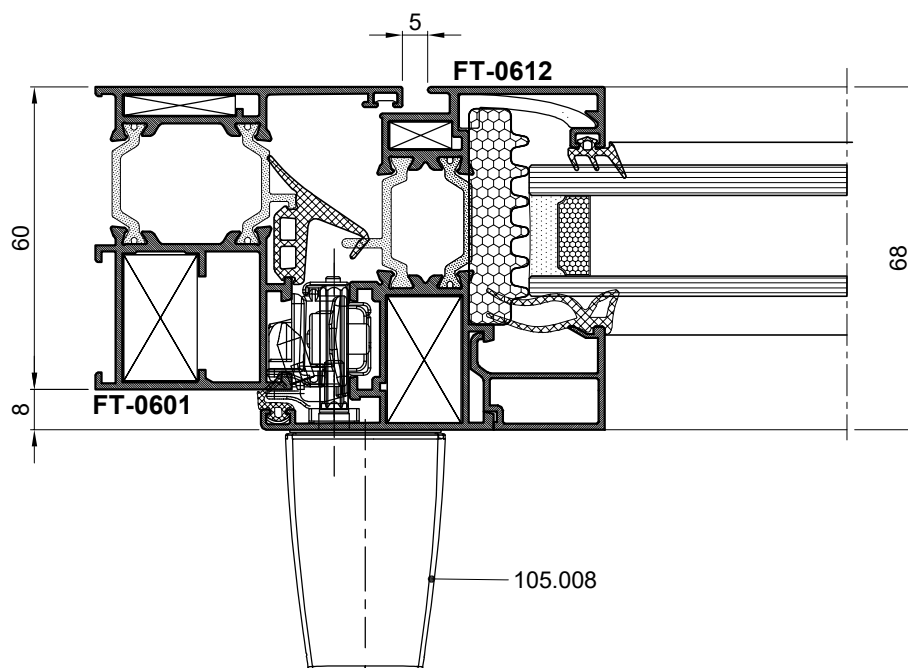


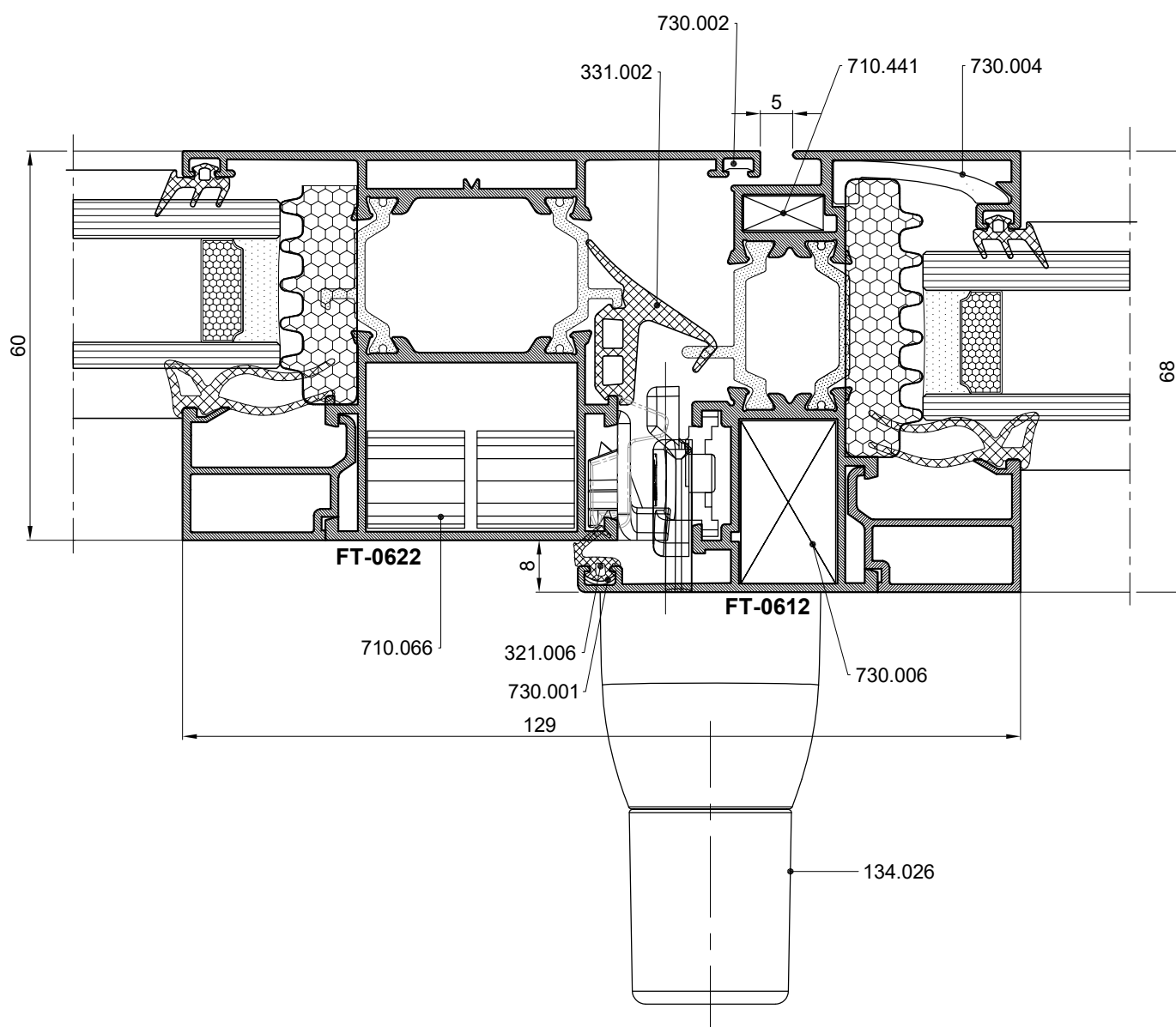
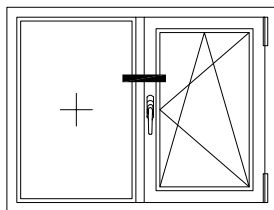
Detalj sa skrivenim okovom
Details with hidden tilt-turn mechanism

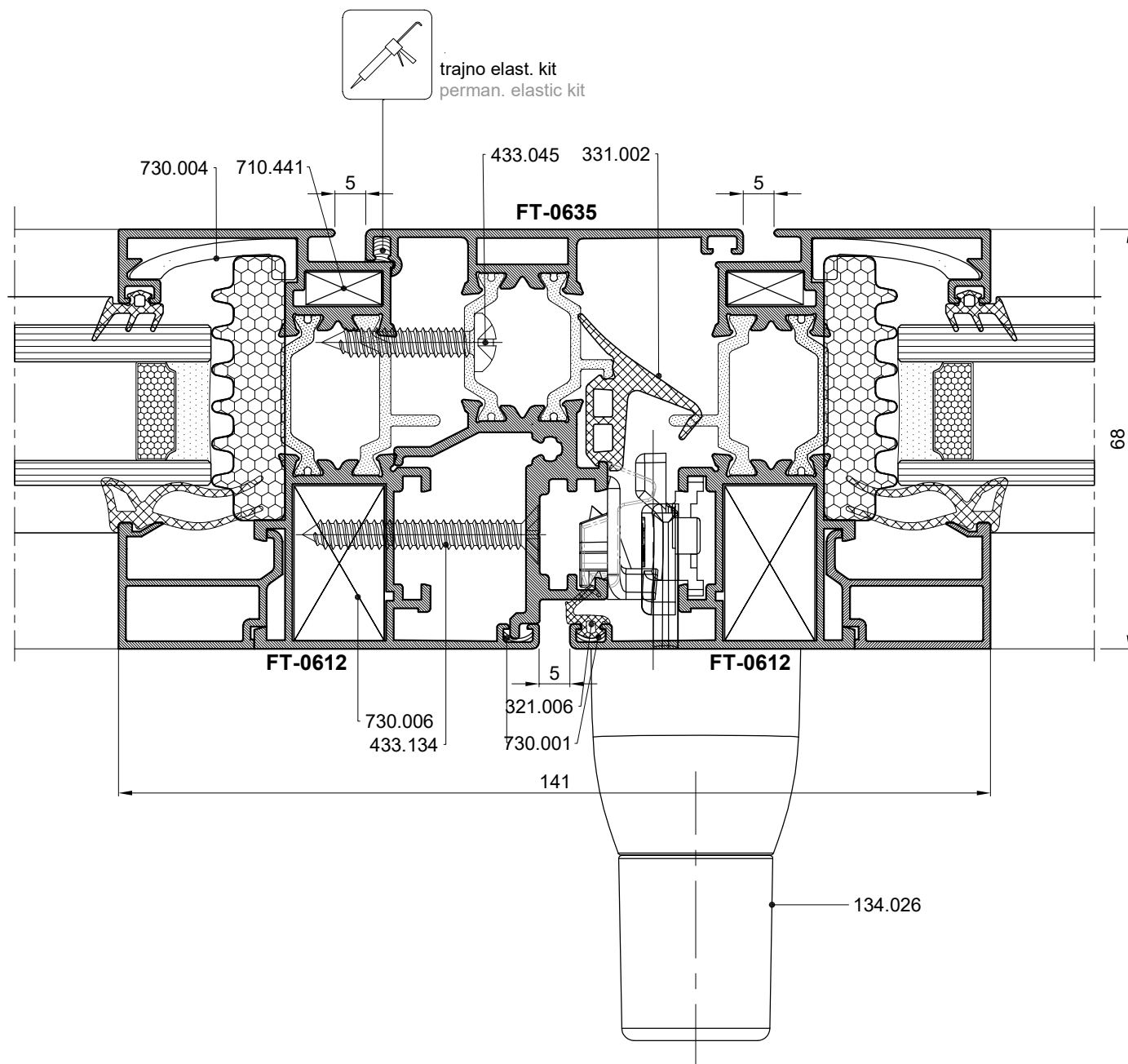
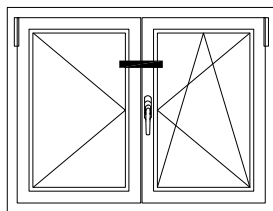


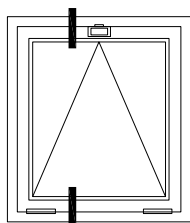


Detalj sa skrivenim okovom
Details with hidden tilt-turn mechanism

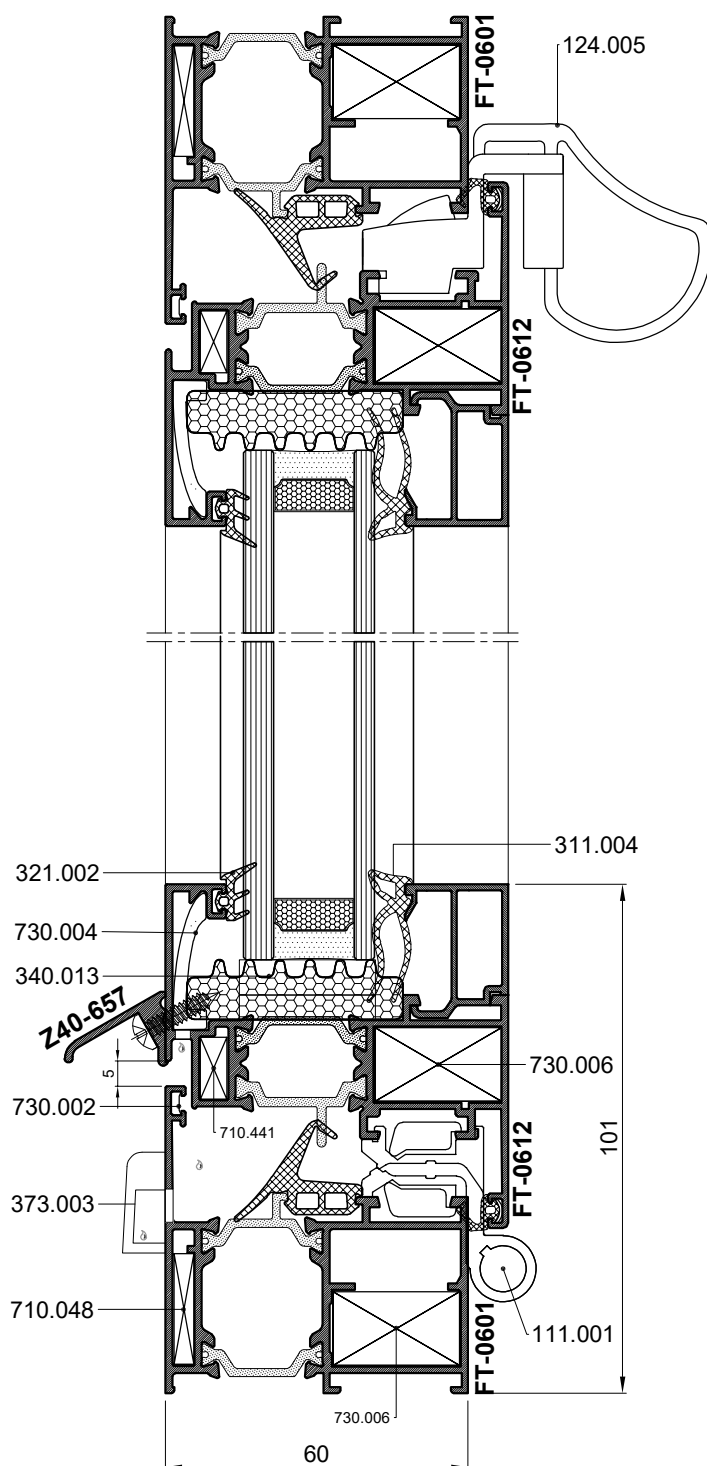


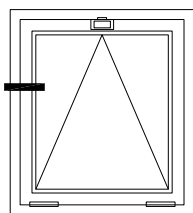




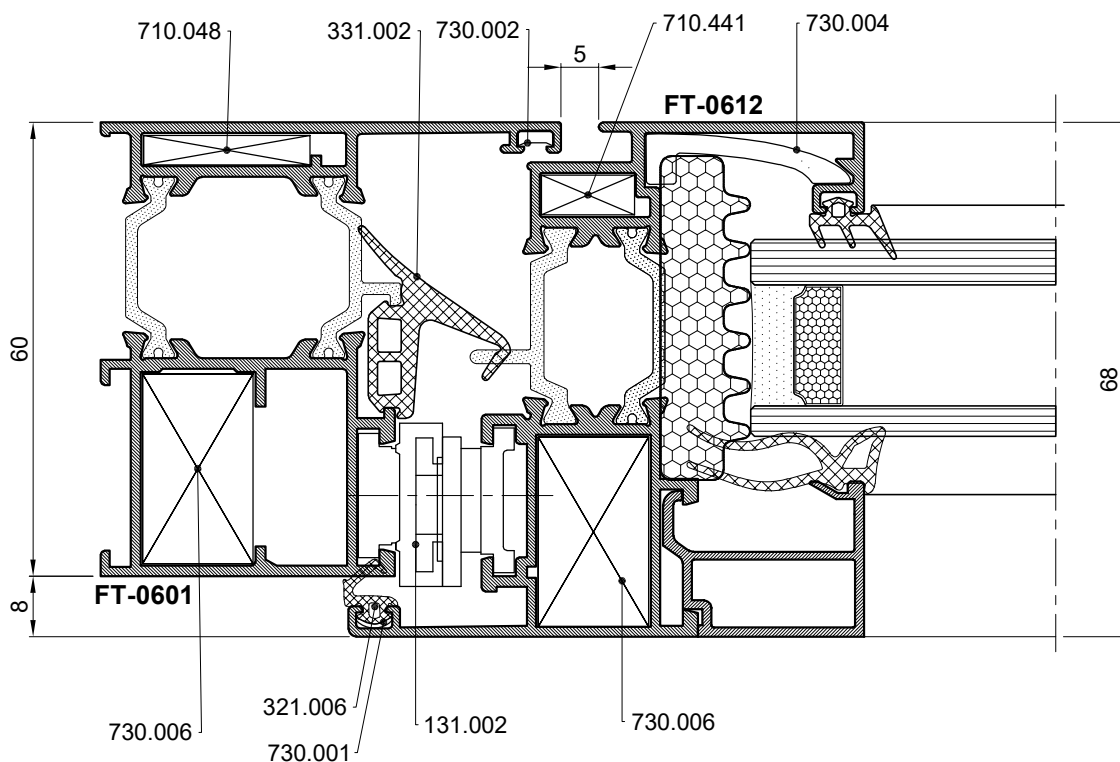


OTKLOPNI PROZOR - VENTUS
sa bravicom za zatvaranje (124.005) i škarama (131.002)
TILT WINDOW - VENTUS
with lock for closing - (124.005) and scissors (131.002)



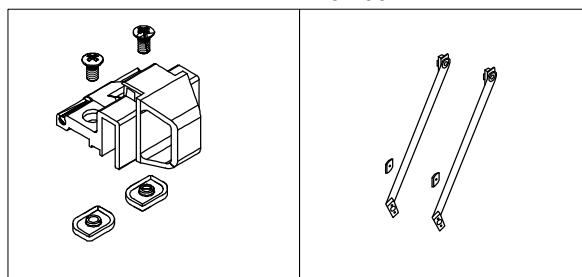


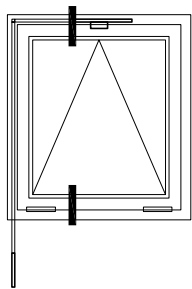
OTKLOPNI PROZOR - VENTUS
sa bravicom za zatvaranje (124.005) i škarama (131.002)
TILT WINDOW - VENTUS
with lock for closing - (124.005) and scissors (131.002)



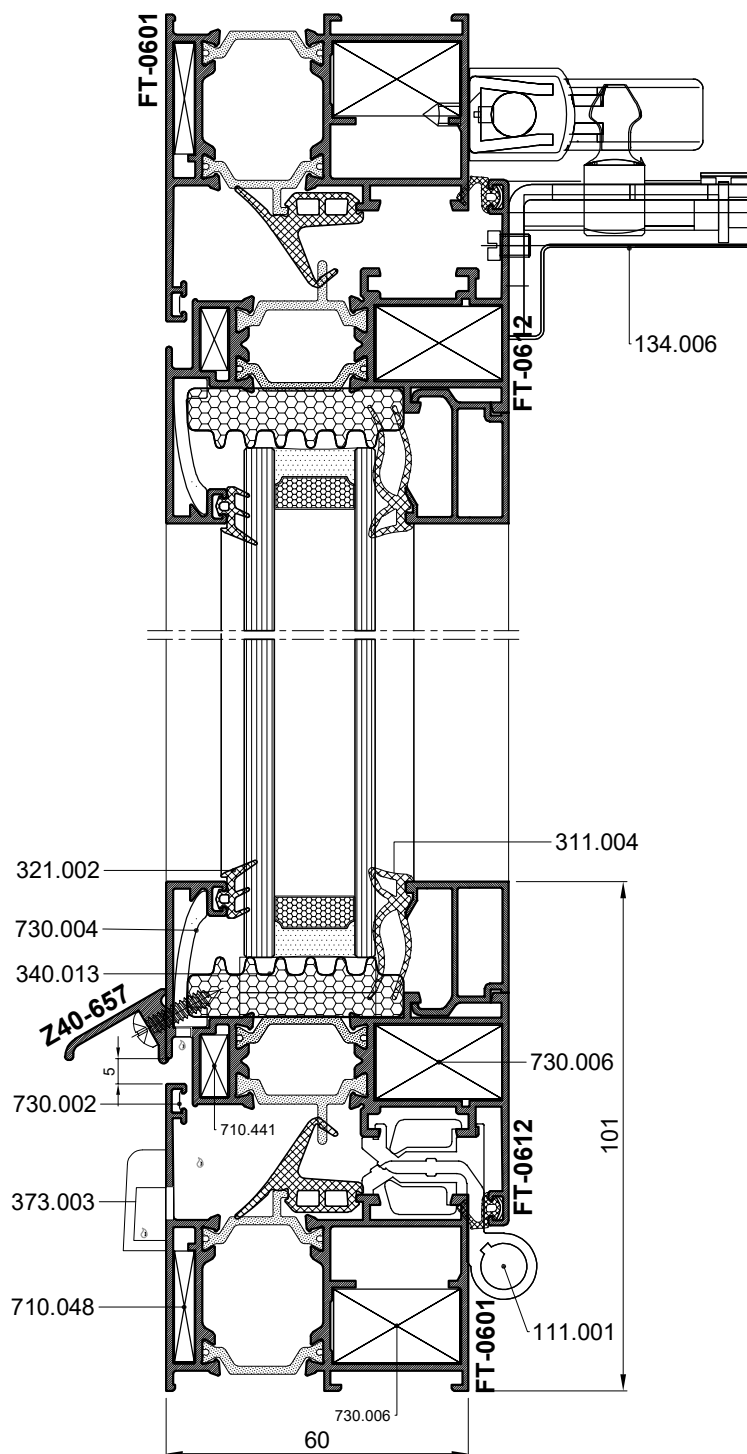
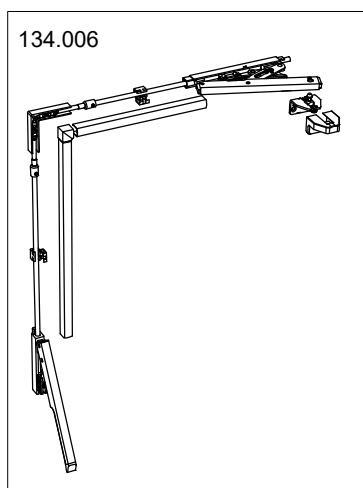
124.005

131.002

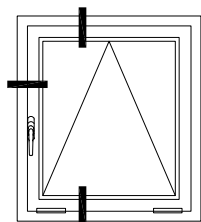




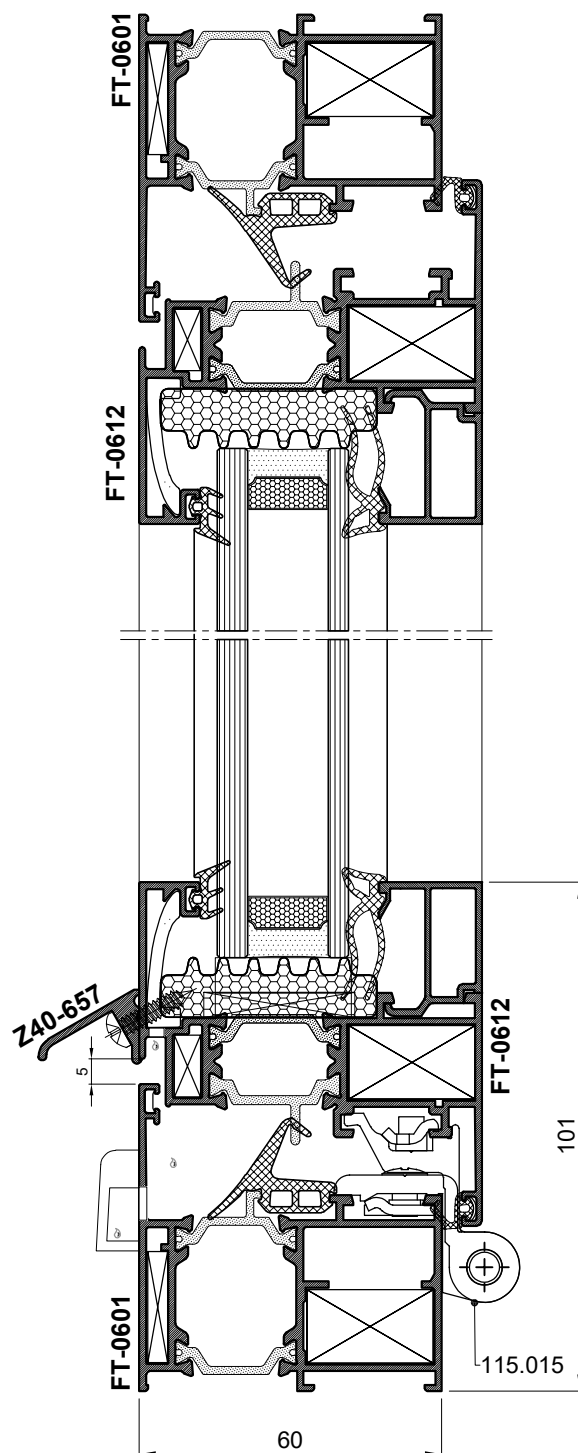
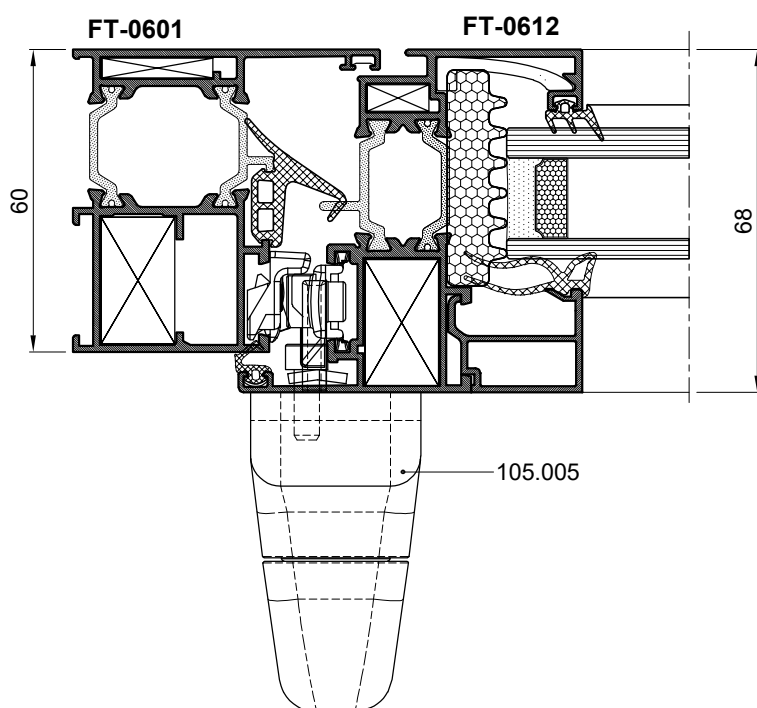
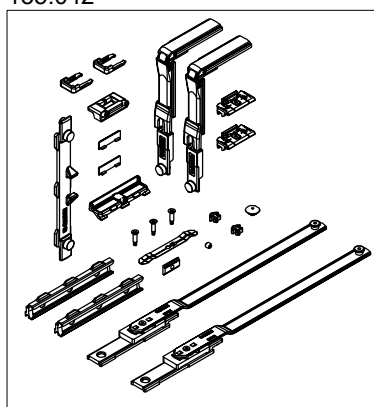
OTKLOPNI PROZOR - VENTUS sa ručkom za visinu (134.006)
TILT WINDOW - VENTUS with handle for height (134.006)

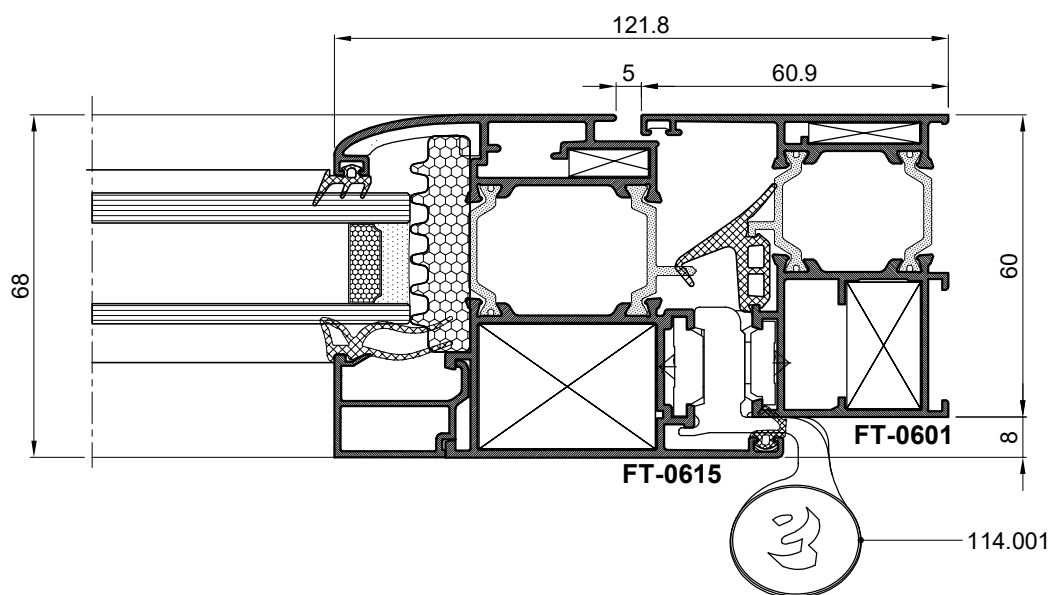
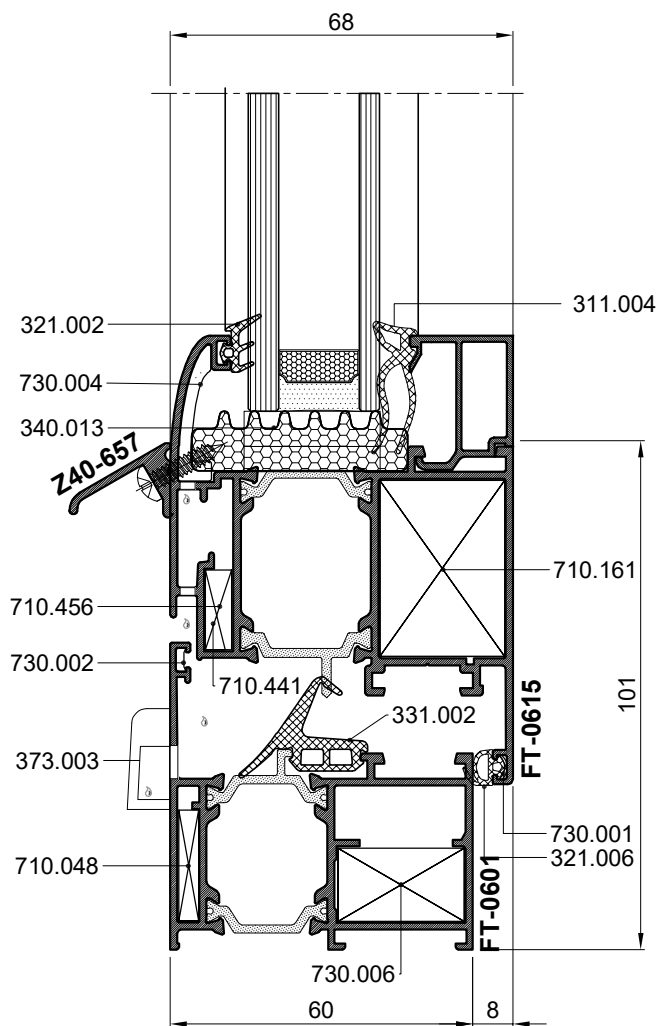
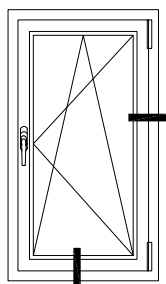


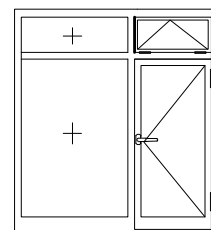
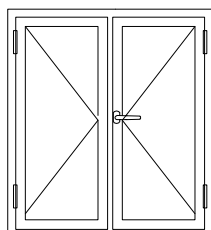
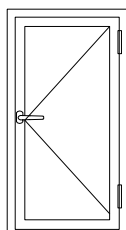
OTKLOPNI PROZOR - VENTUS sa ručkom na okomici (135.042)
TILT WINDOW - VENTUS with handle on side (135.042)

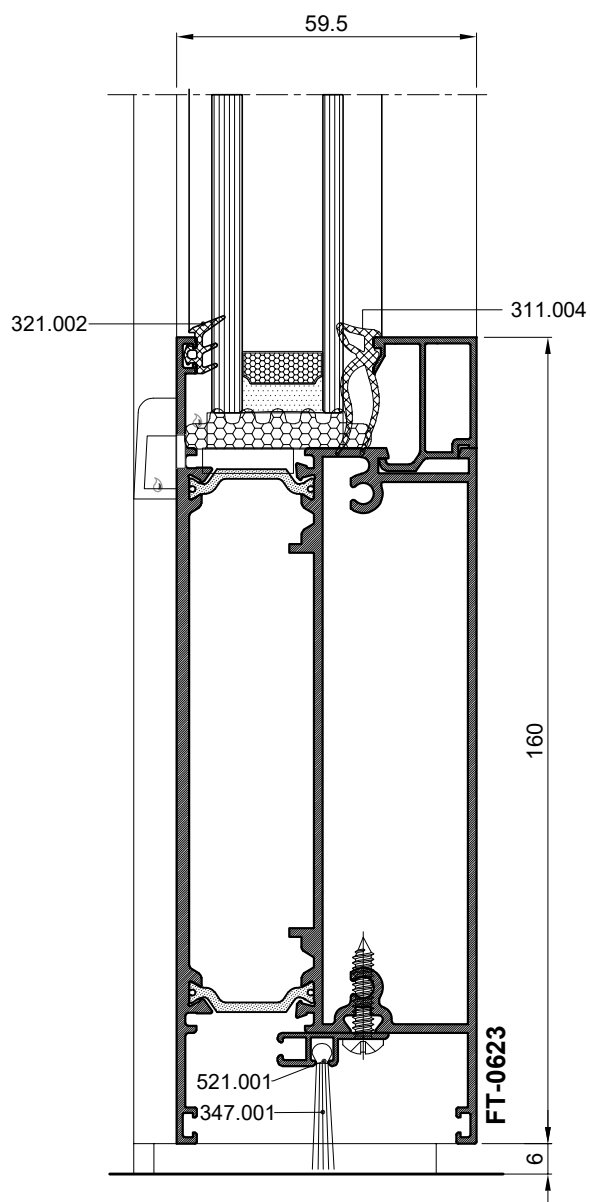
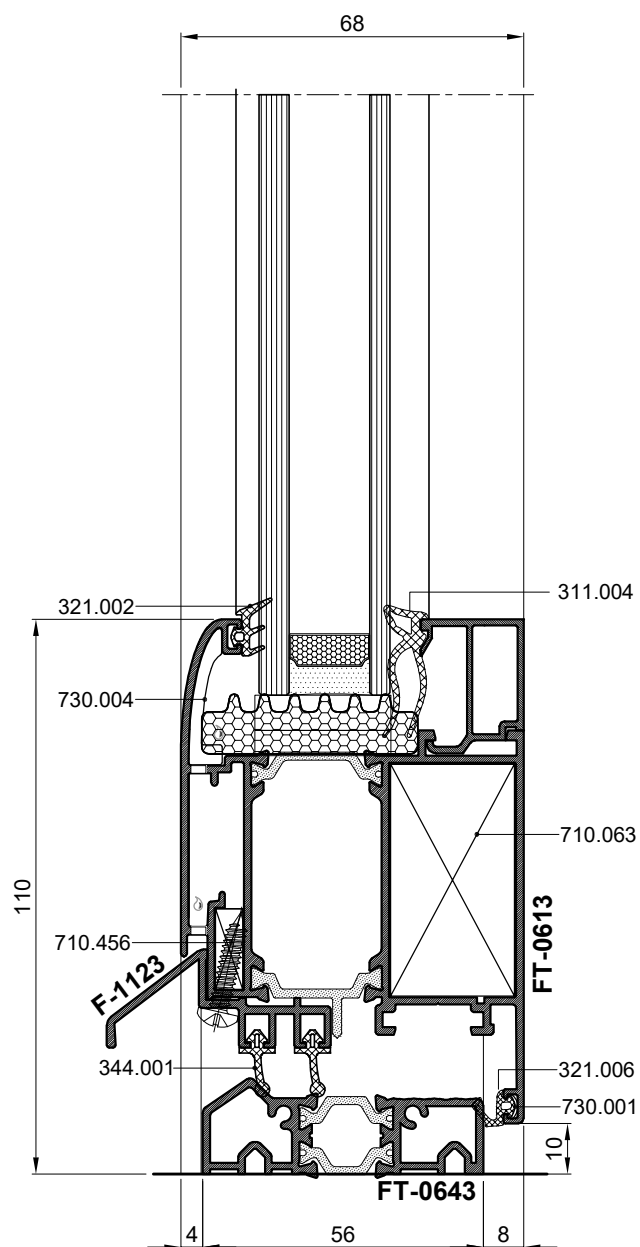
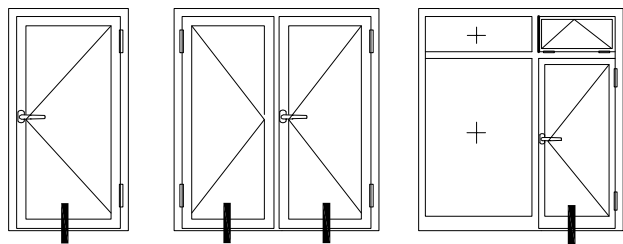


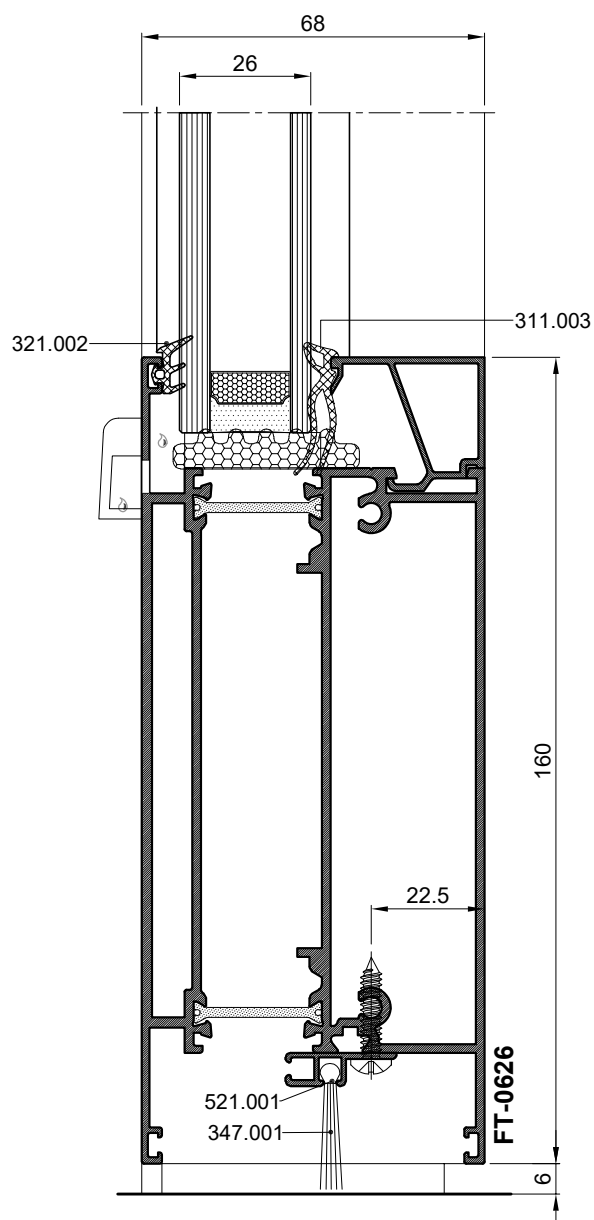
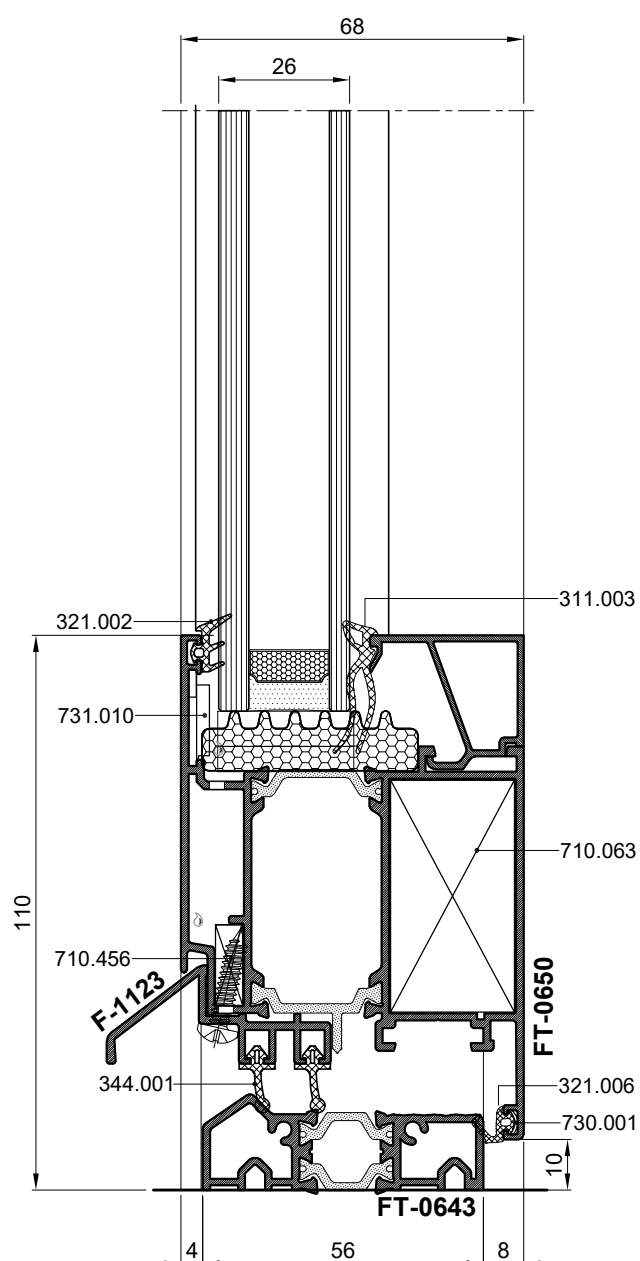
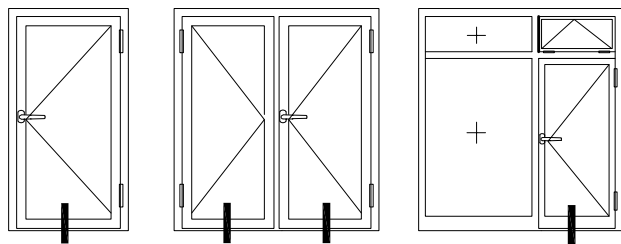
135.042

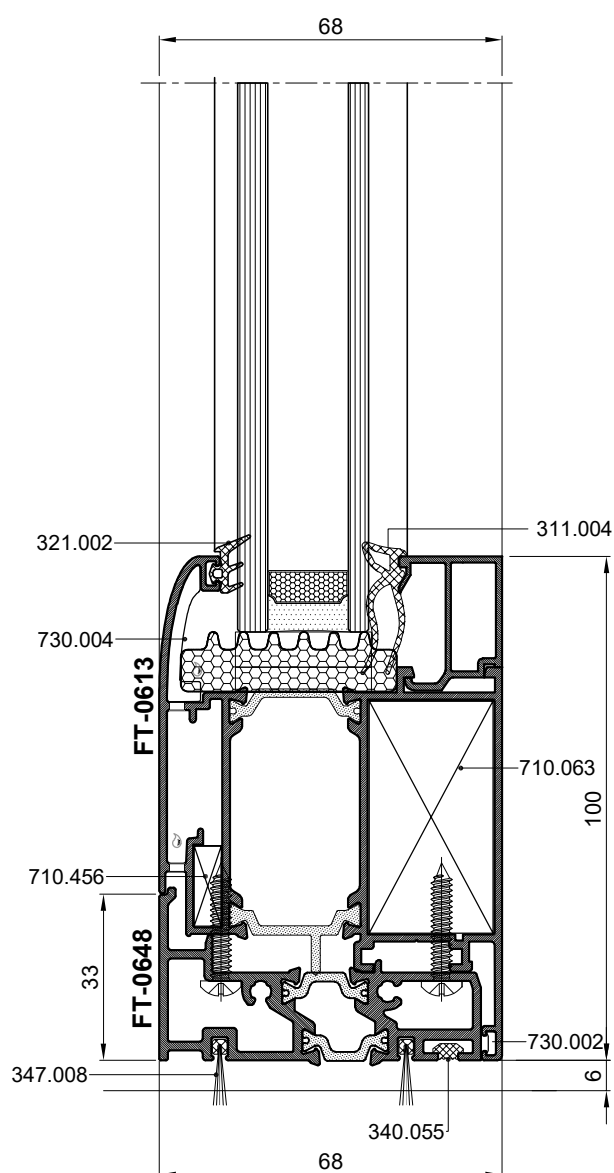
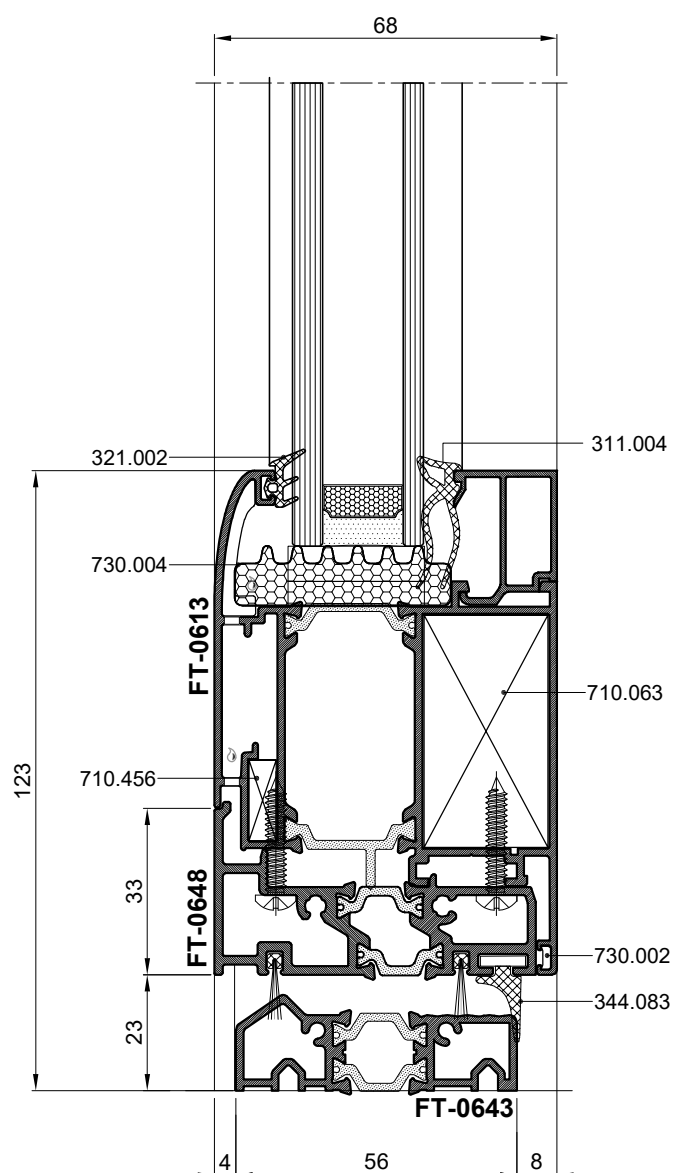
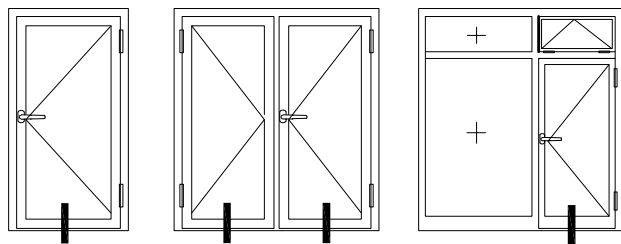


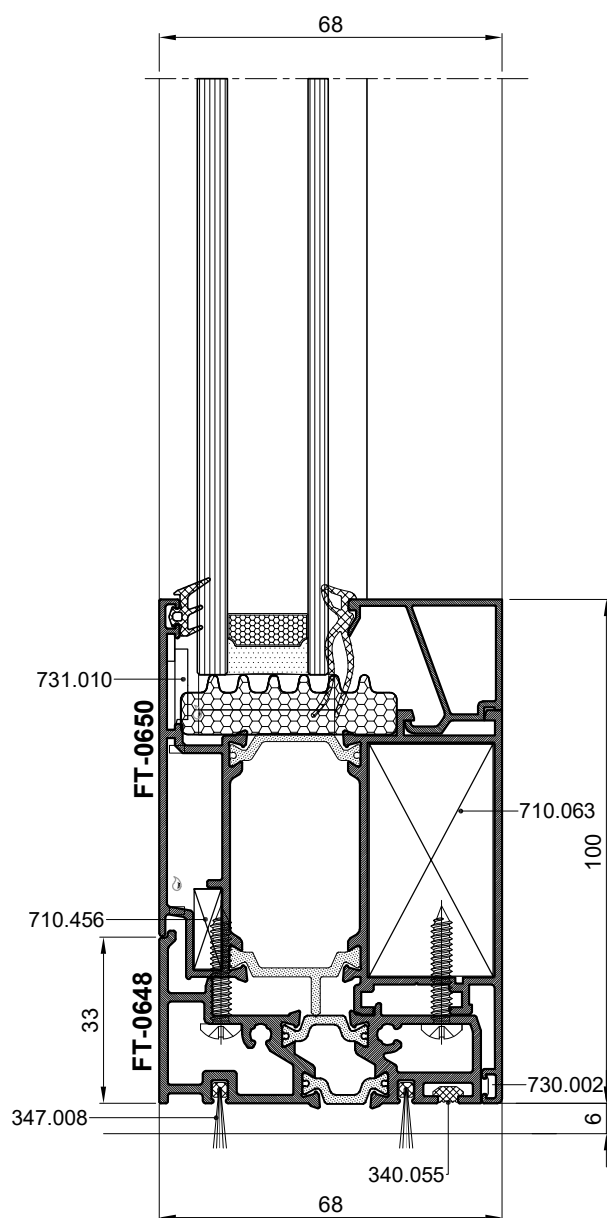
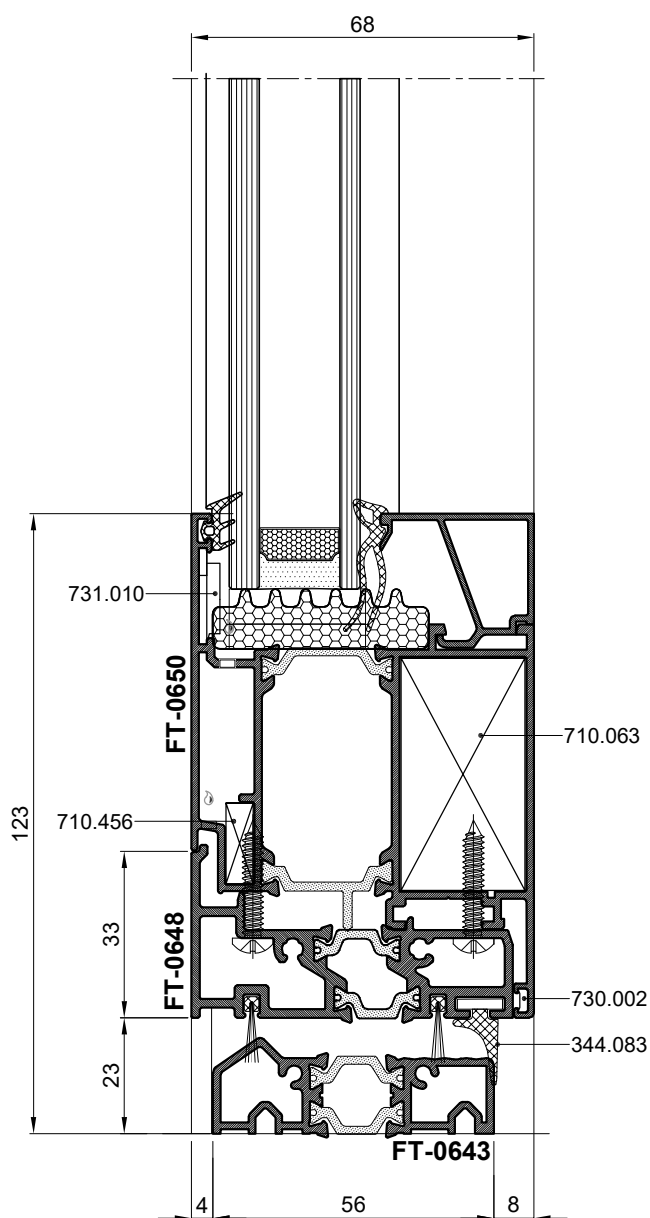
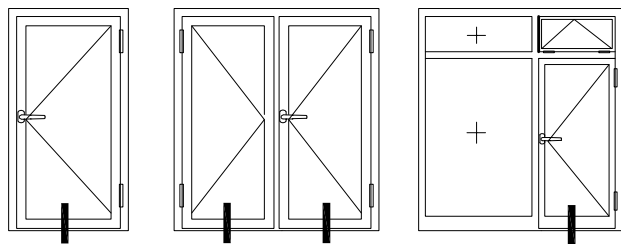


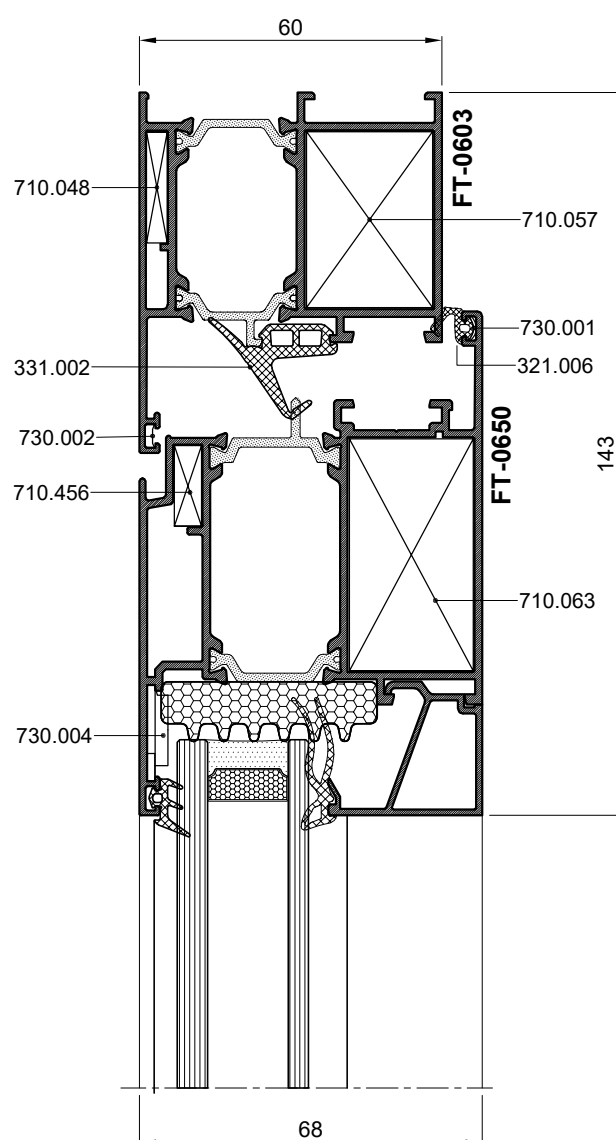
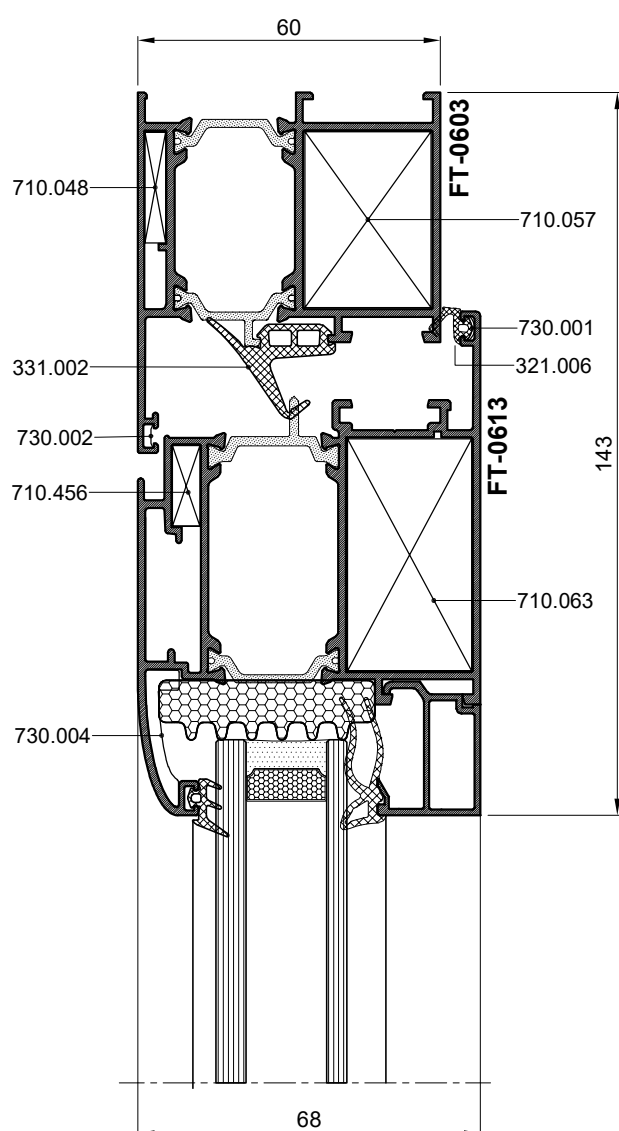
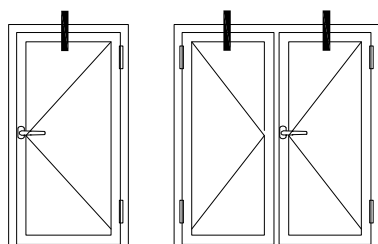


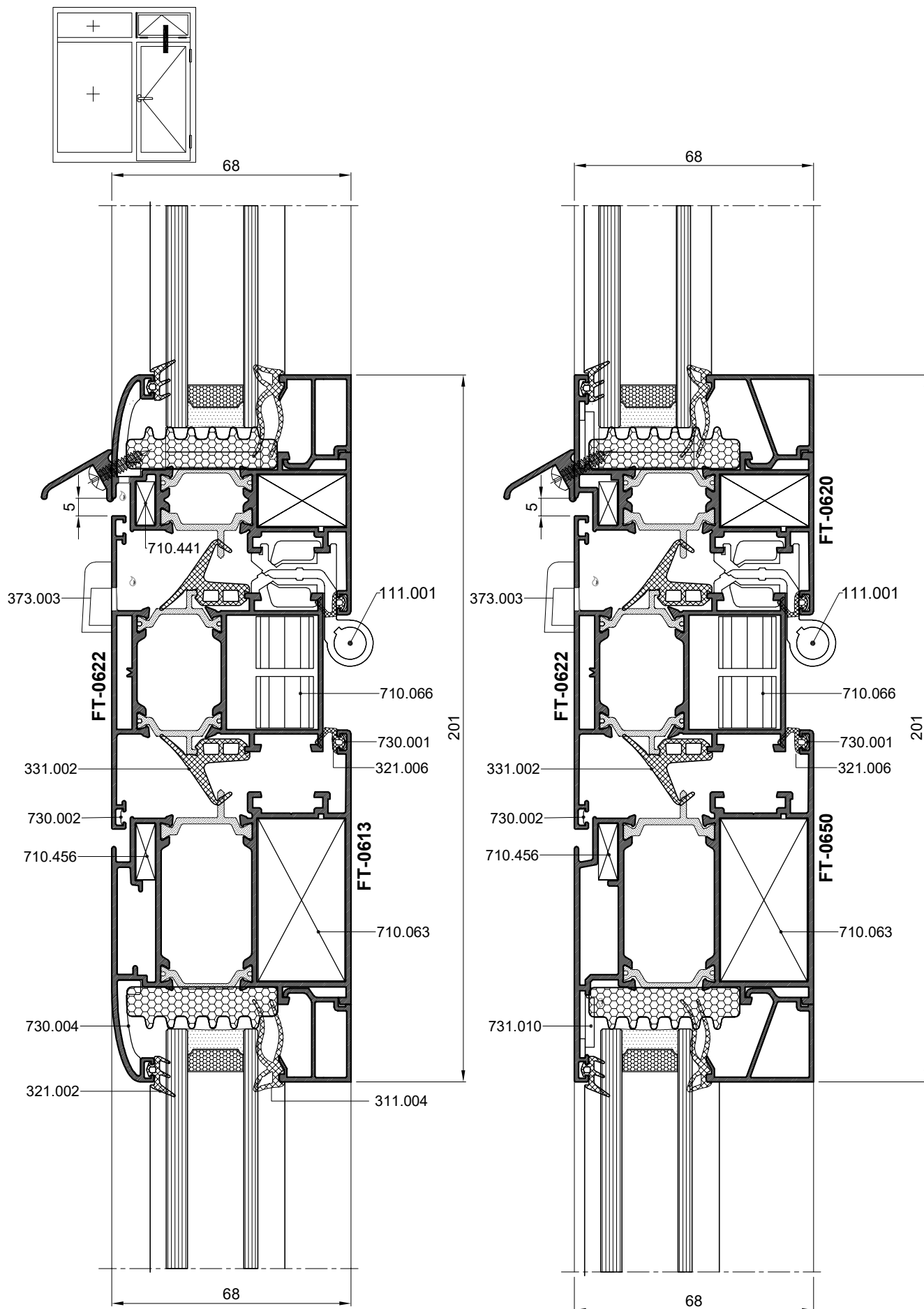


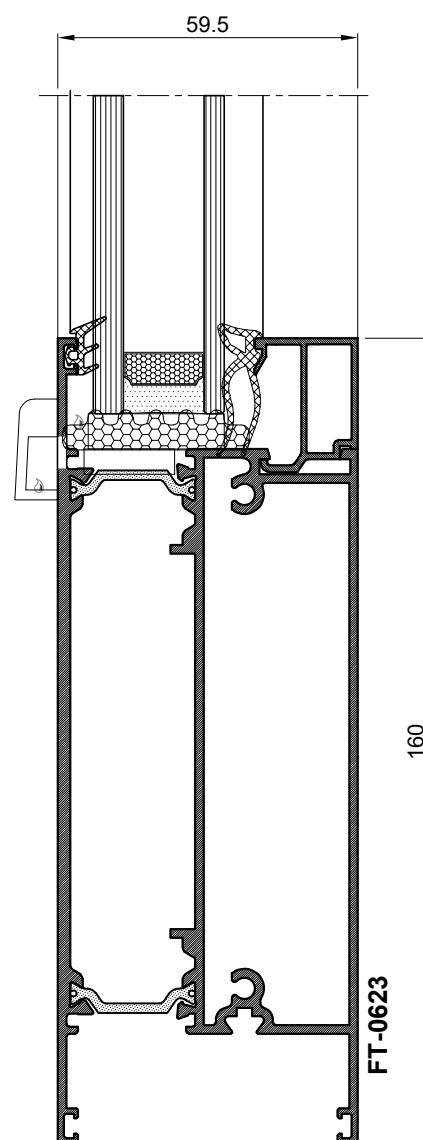
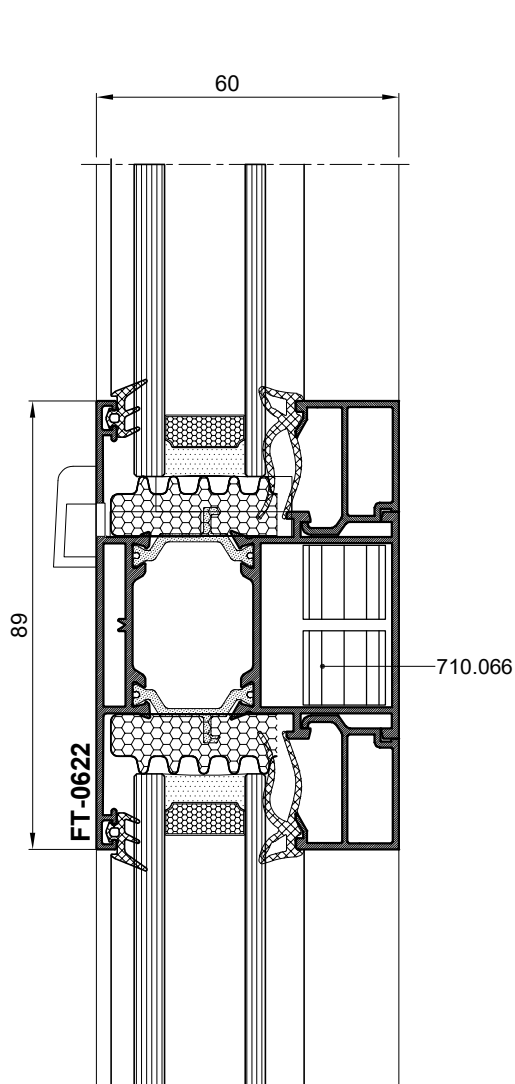
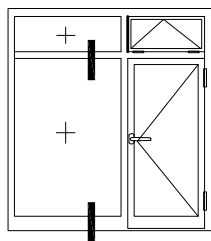


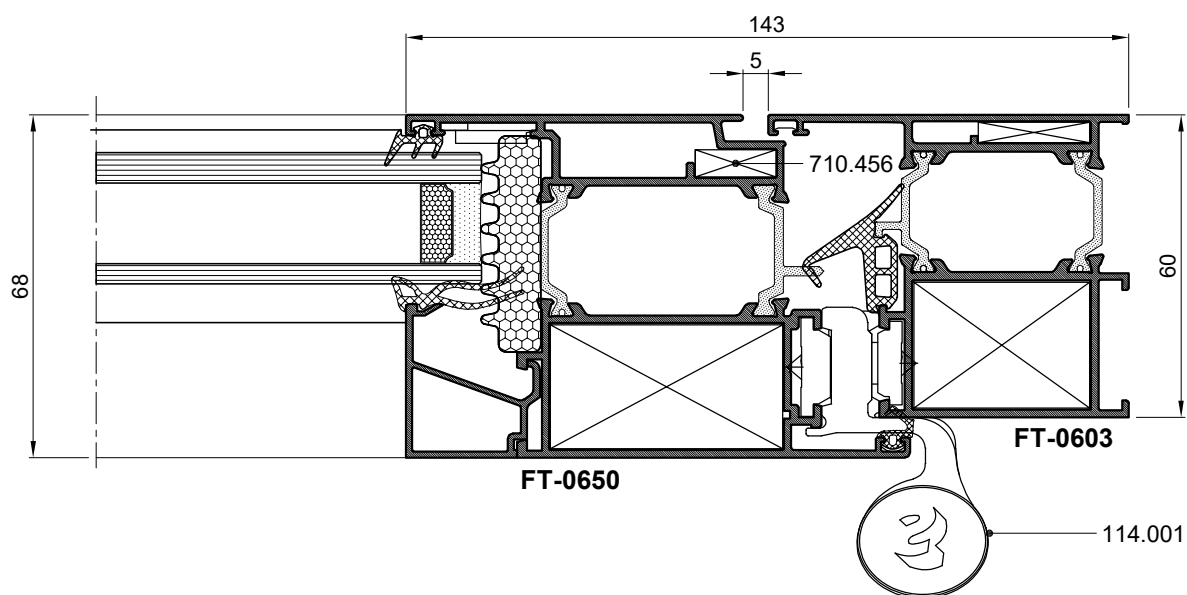
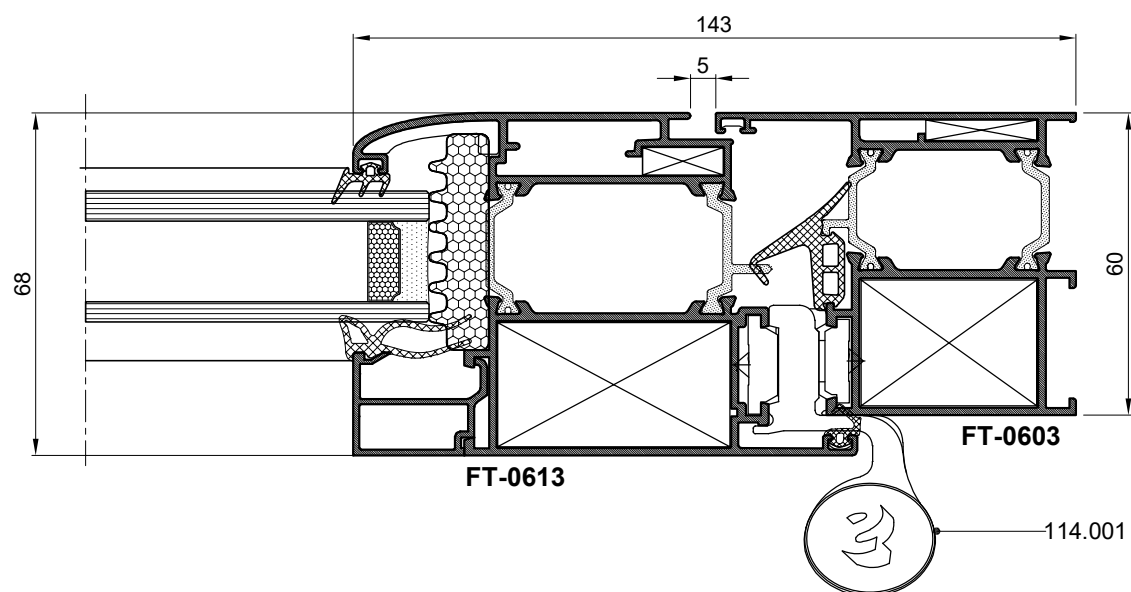
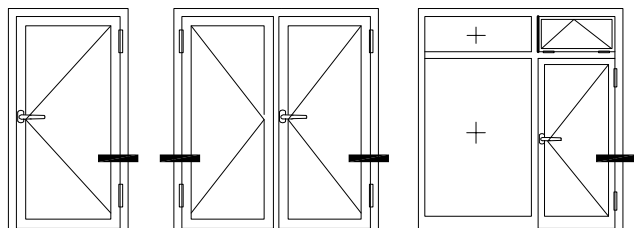


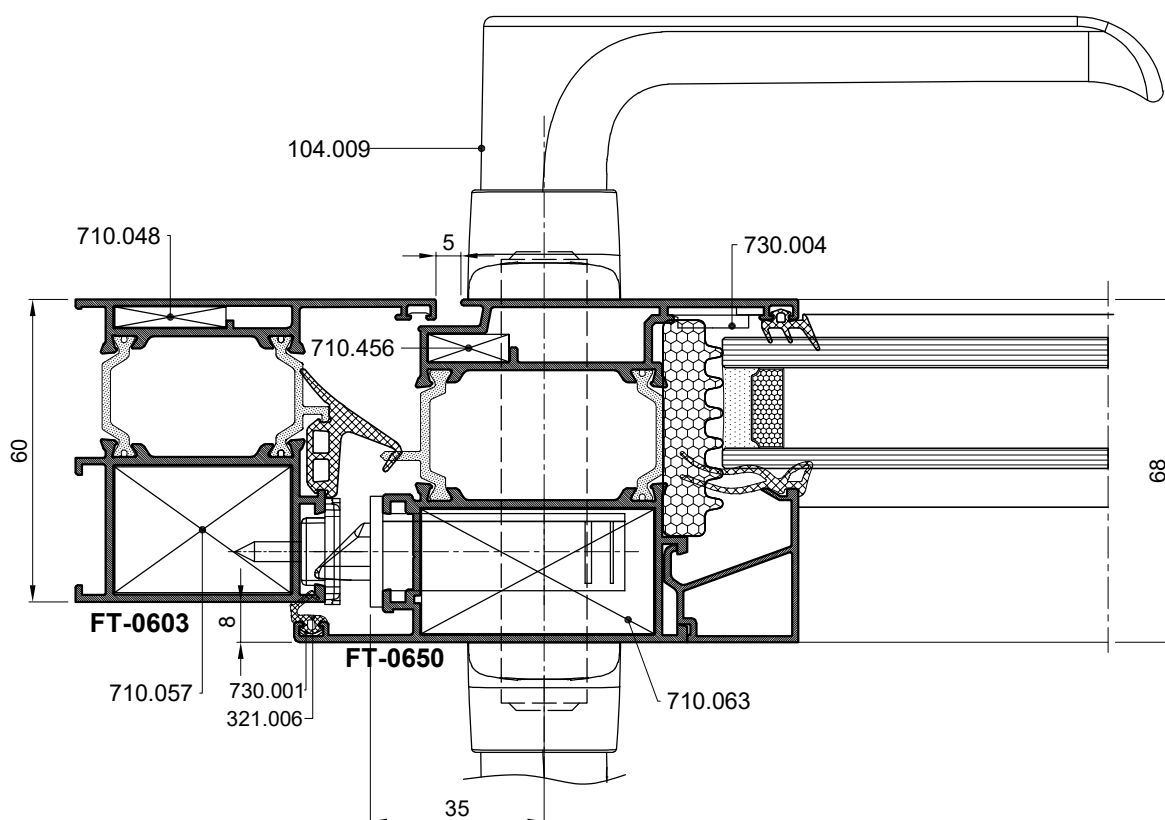
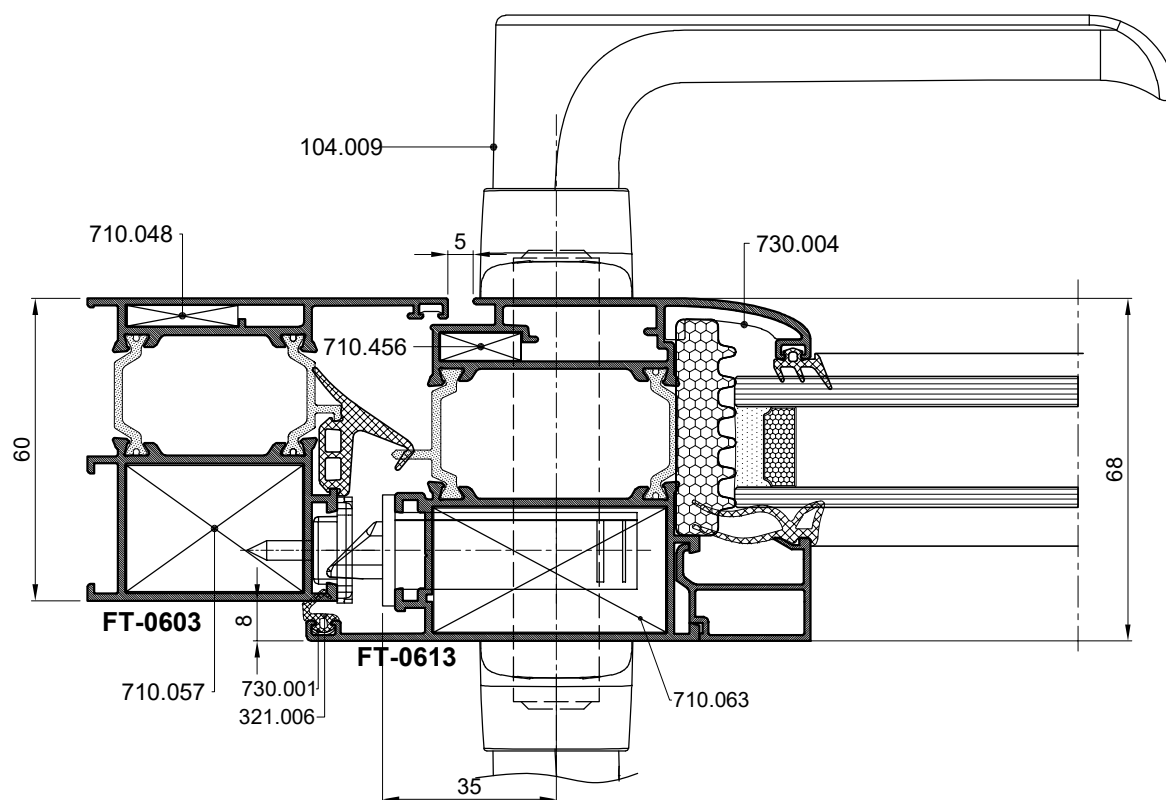
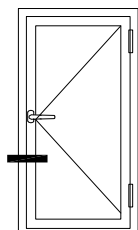


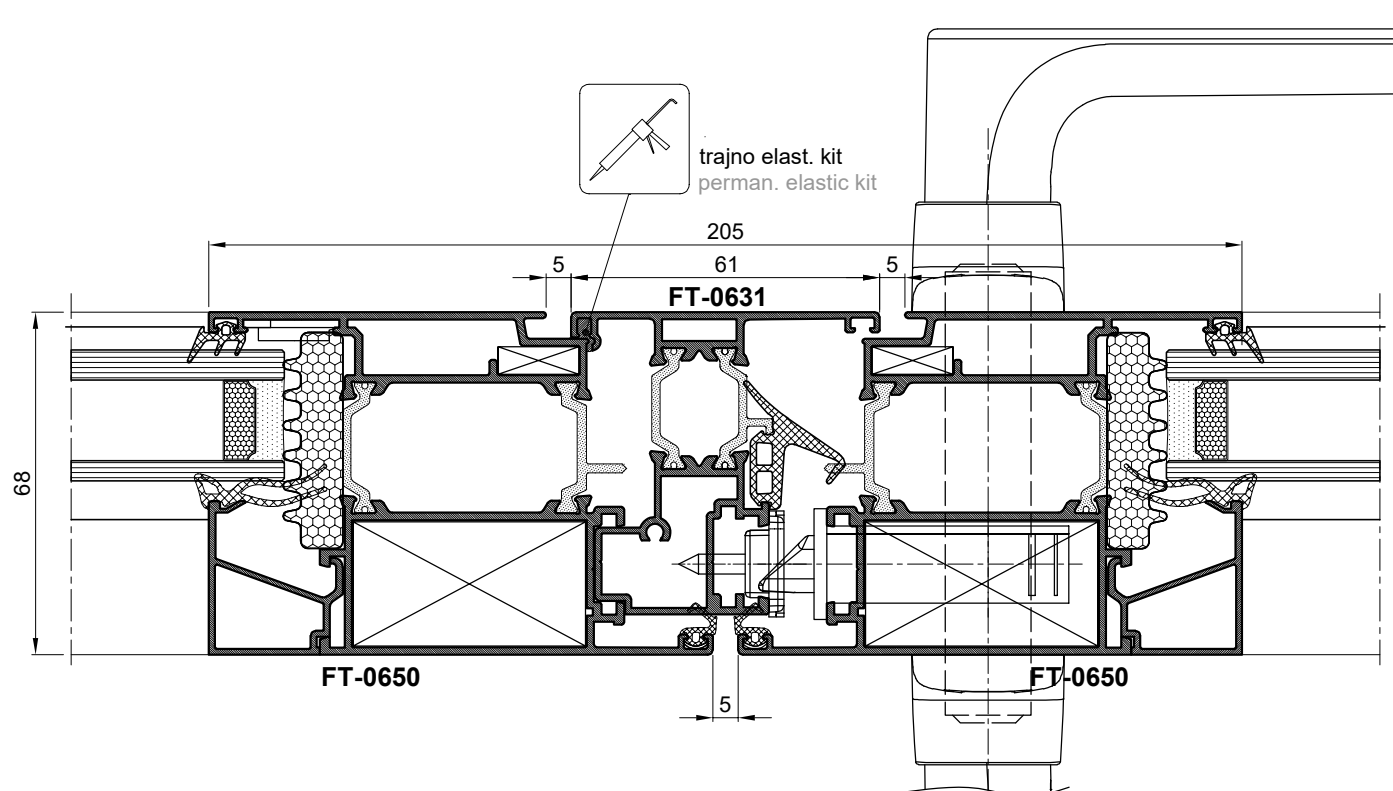
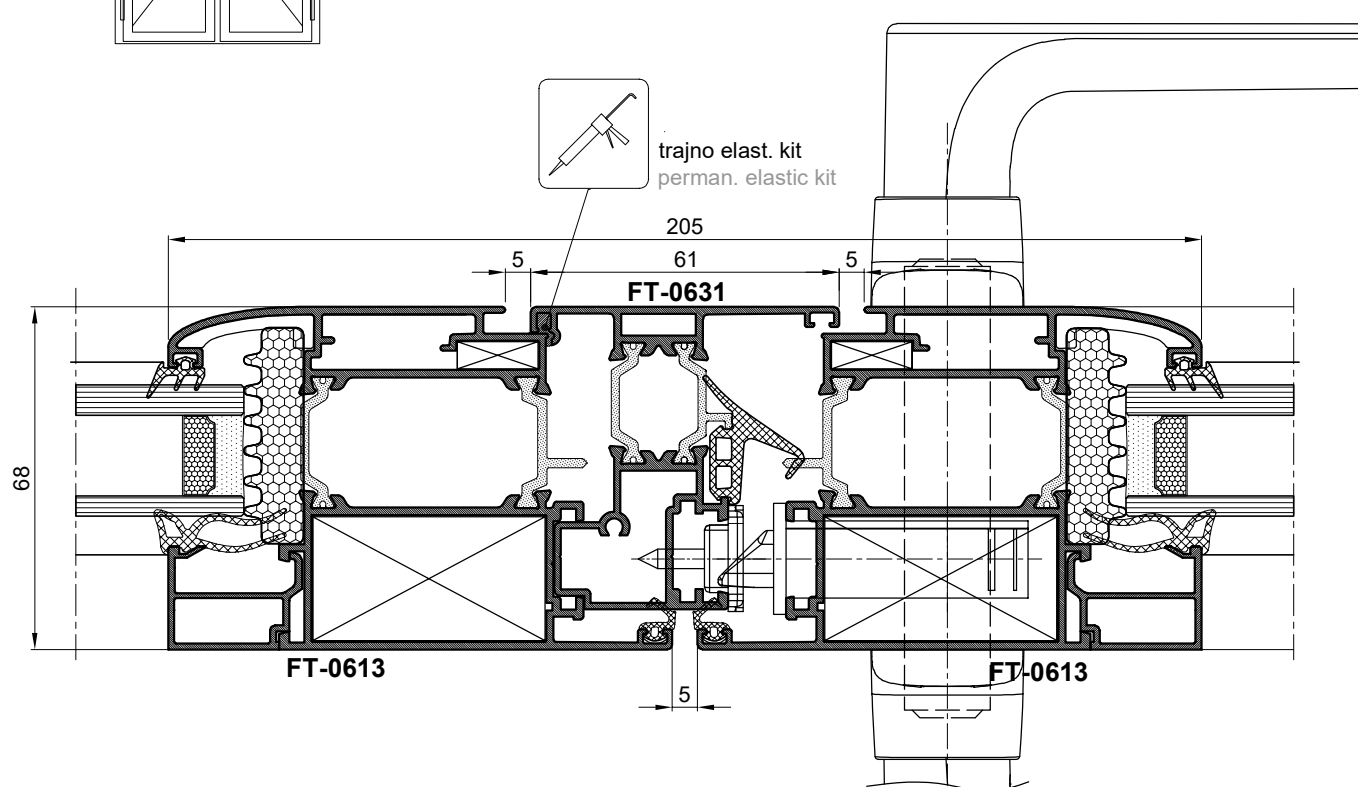
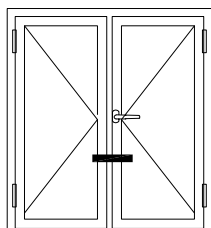


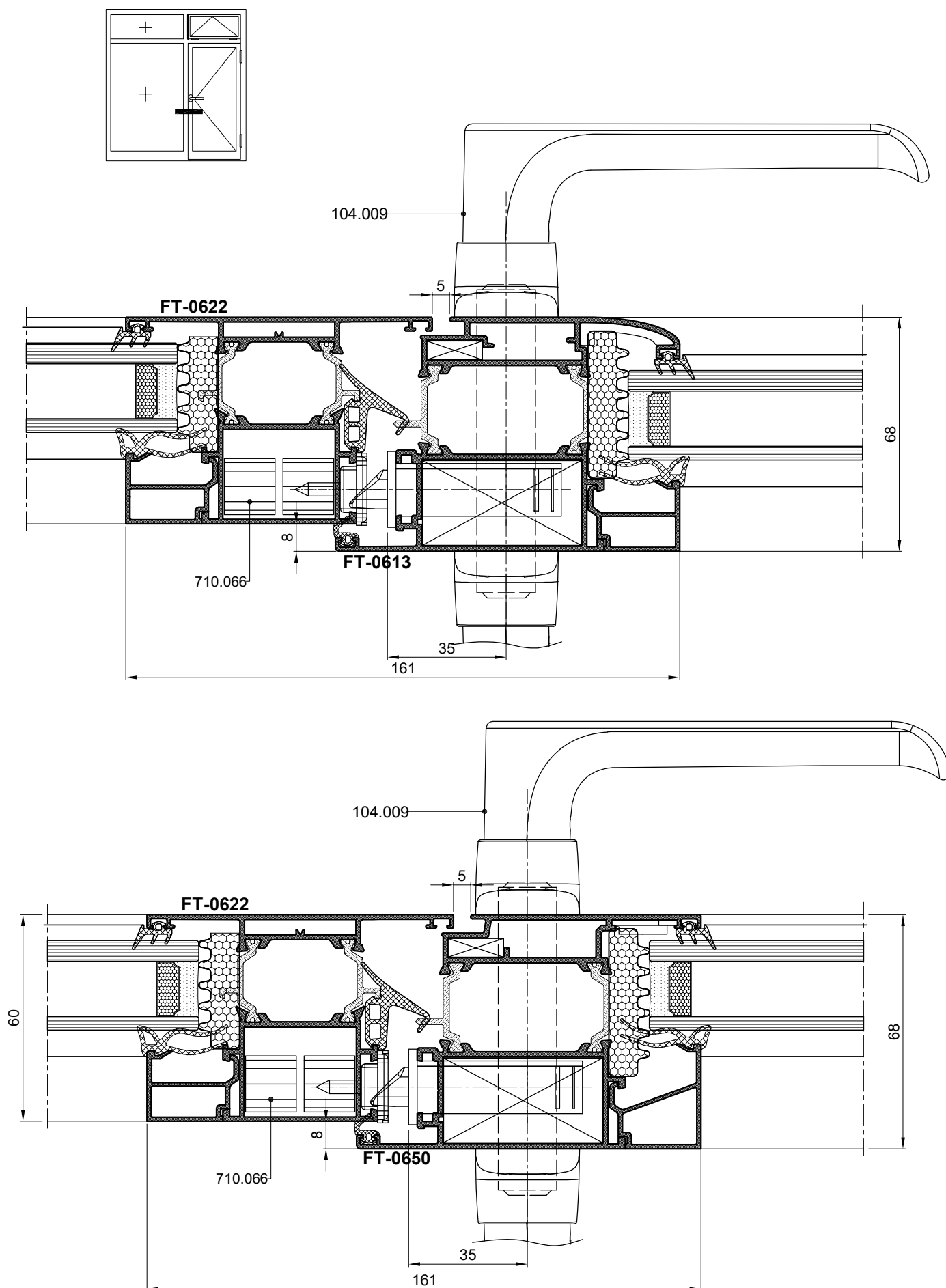


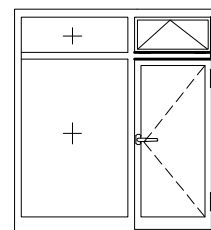
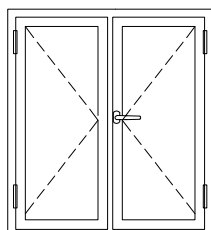
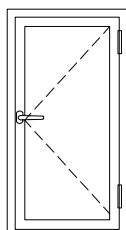


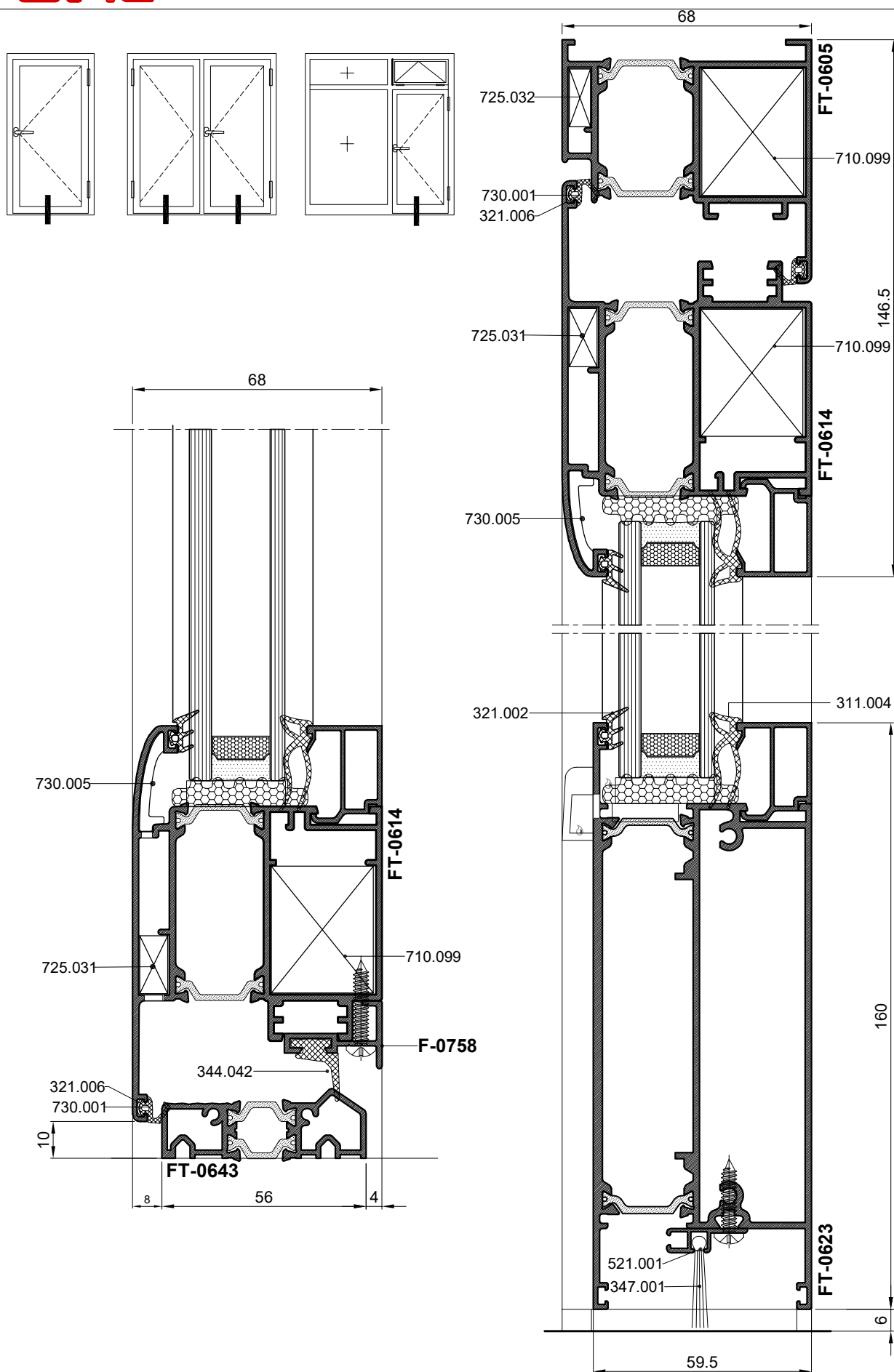


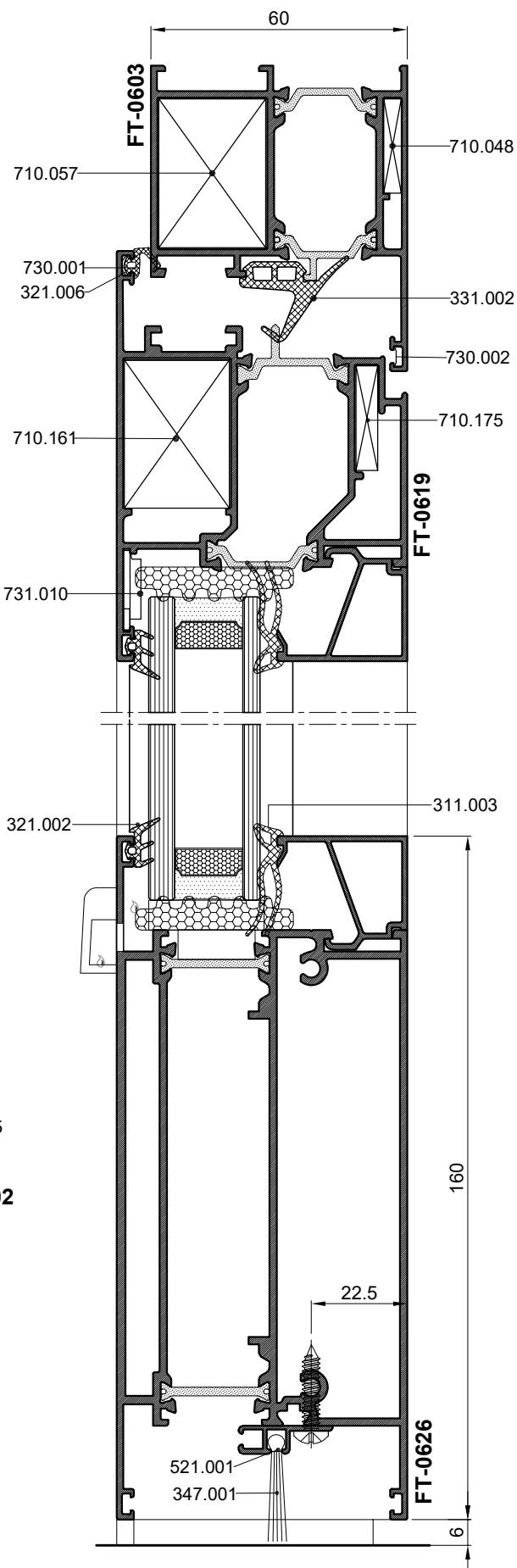
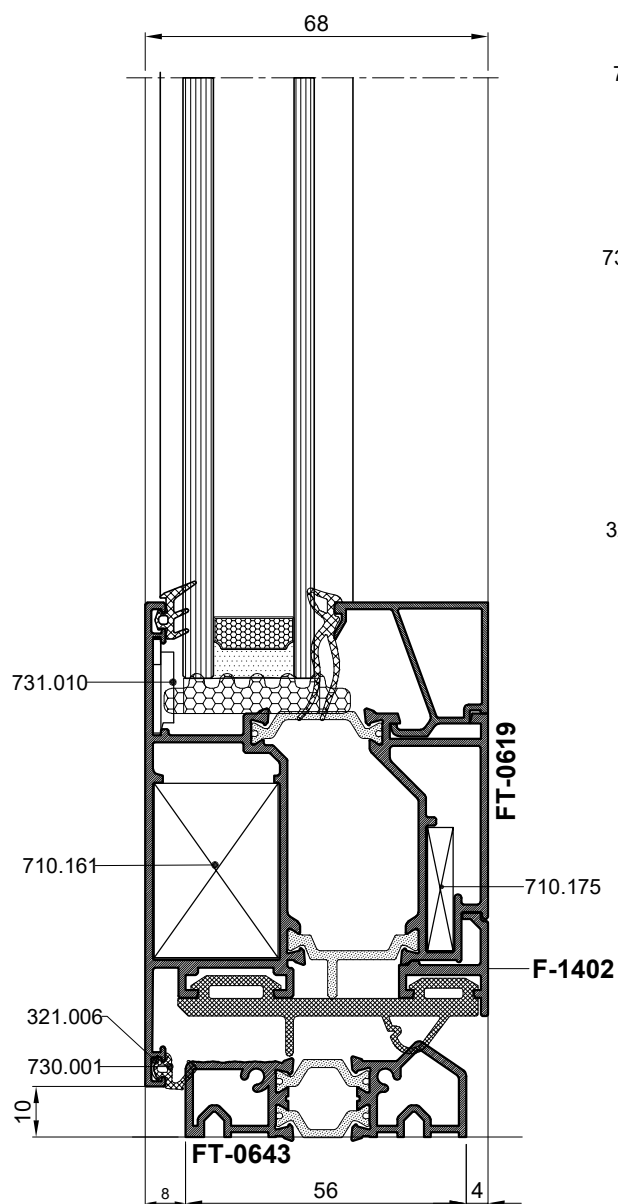
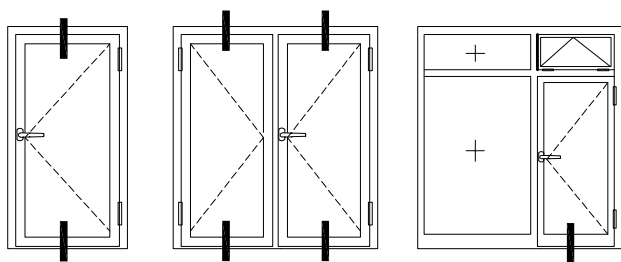


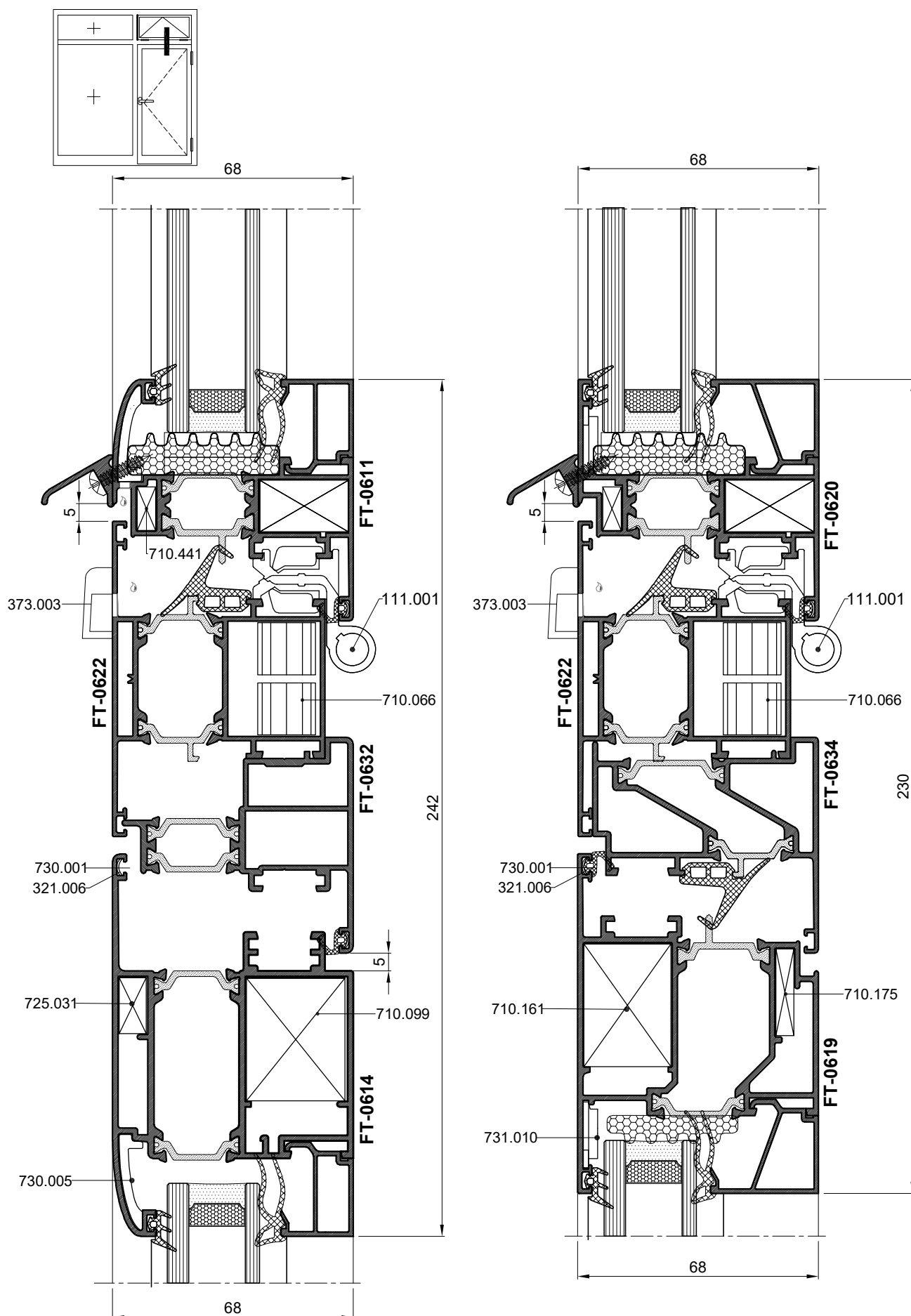


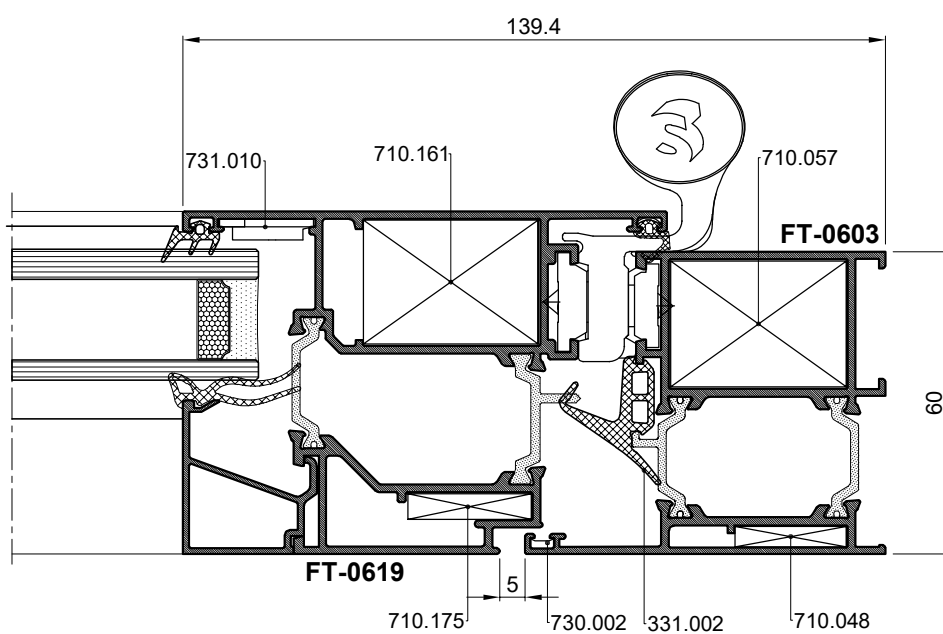
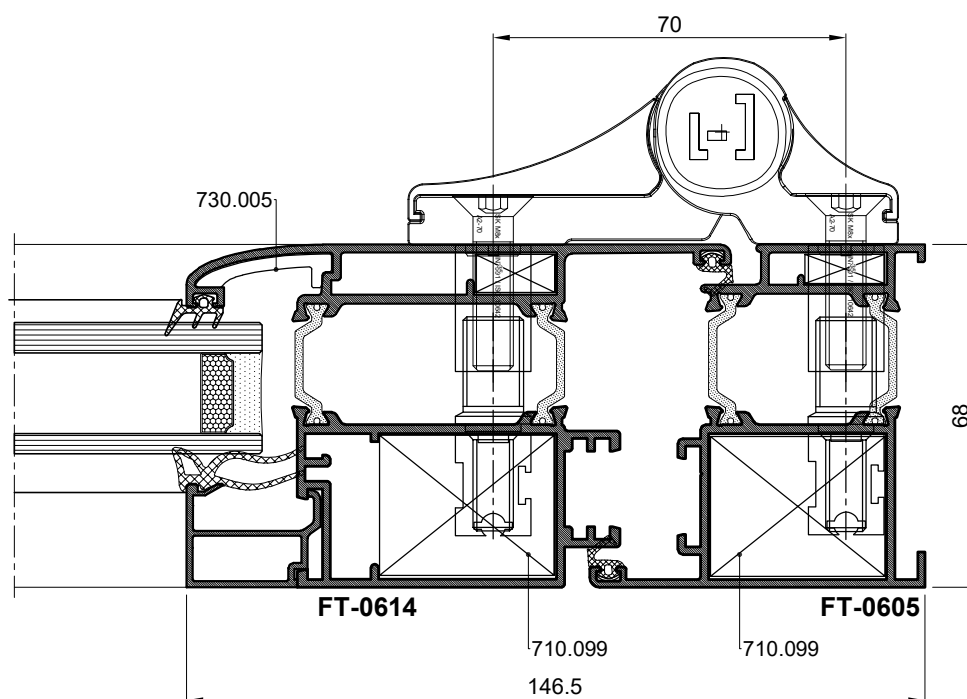
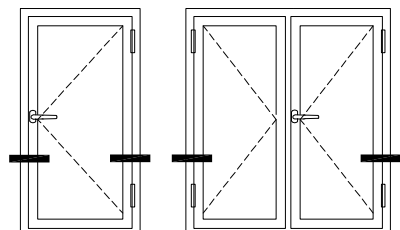


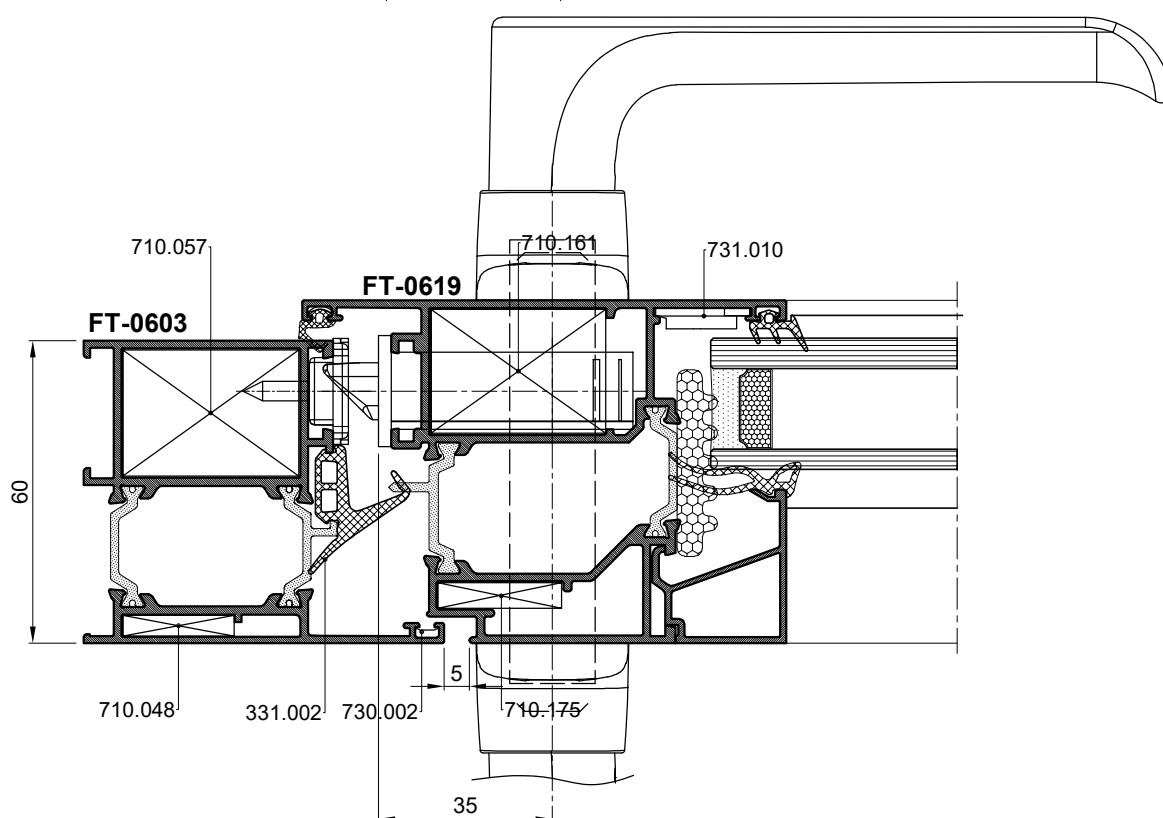
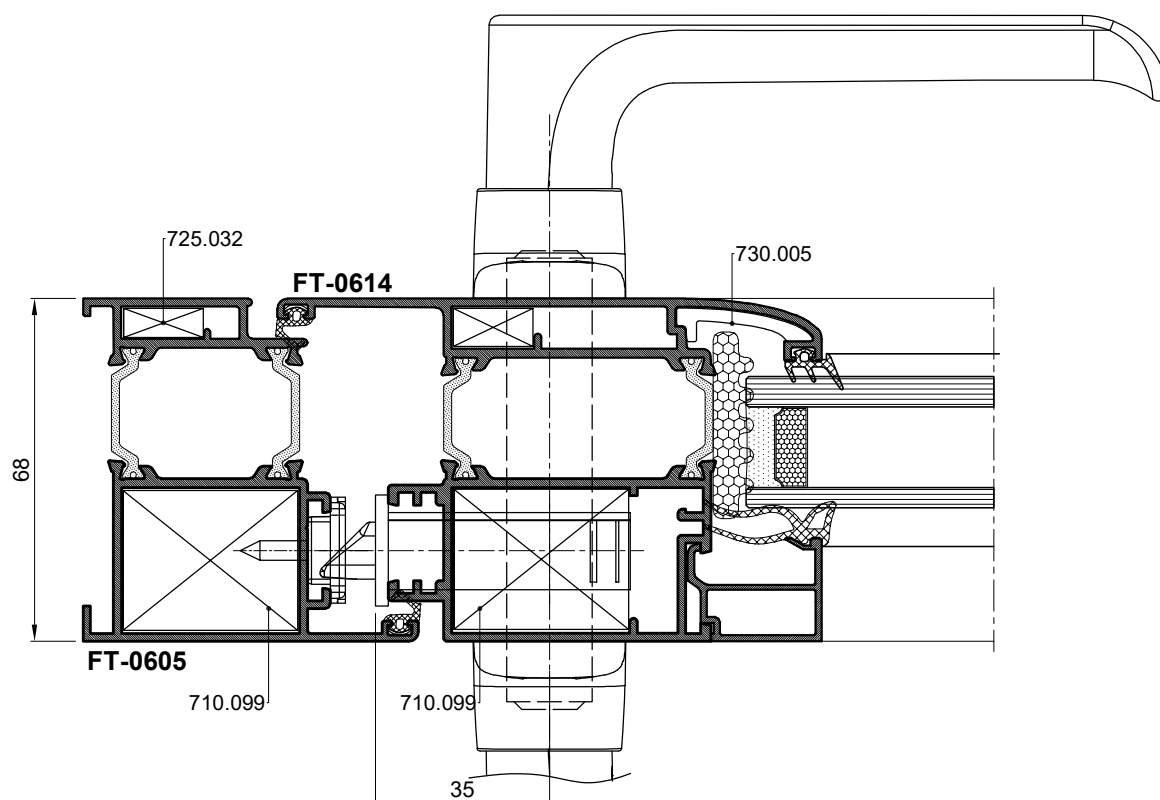
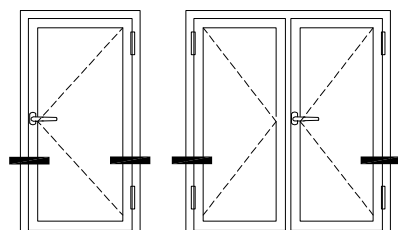


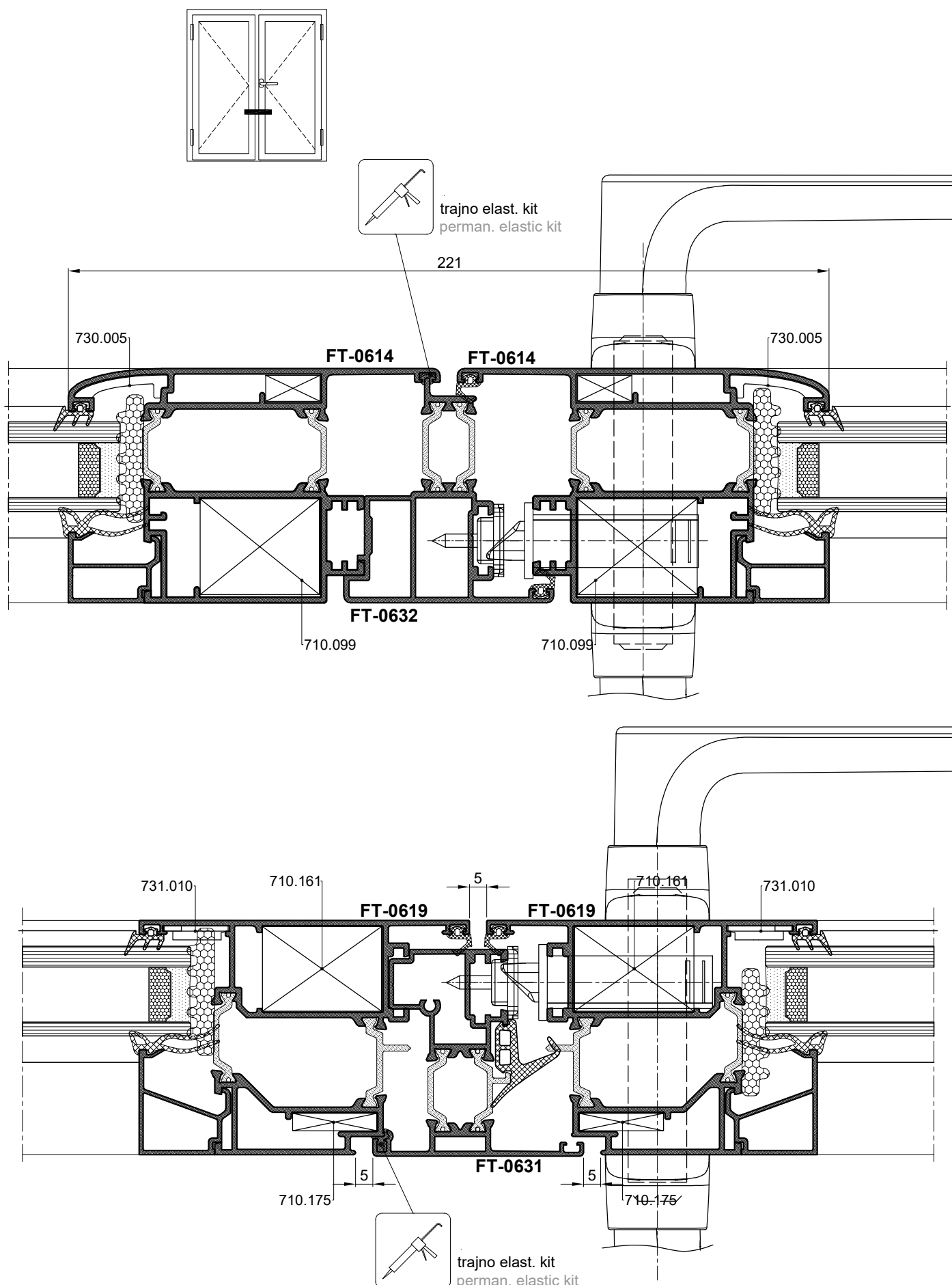


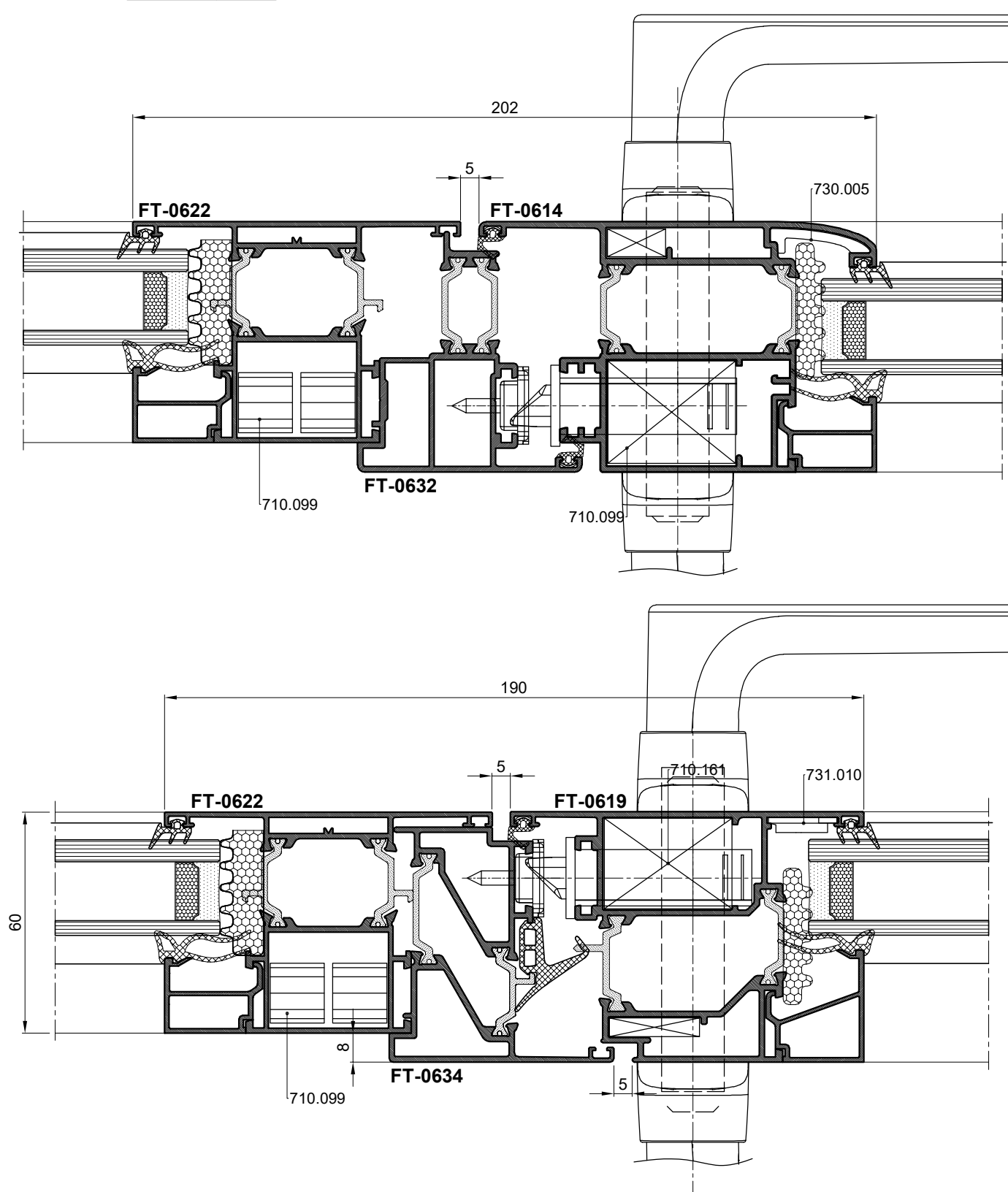
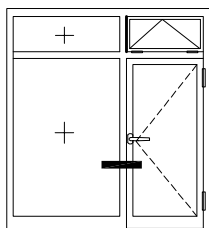


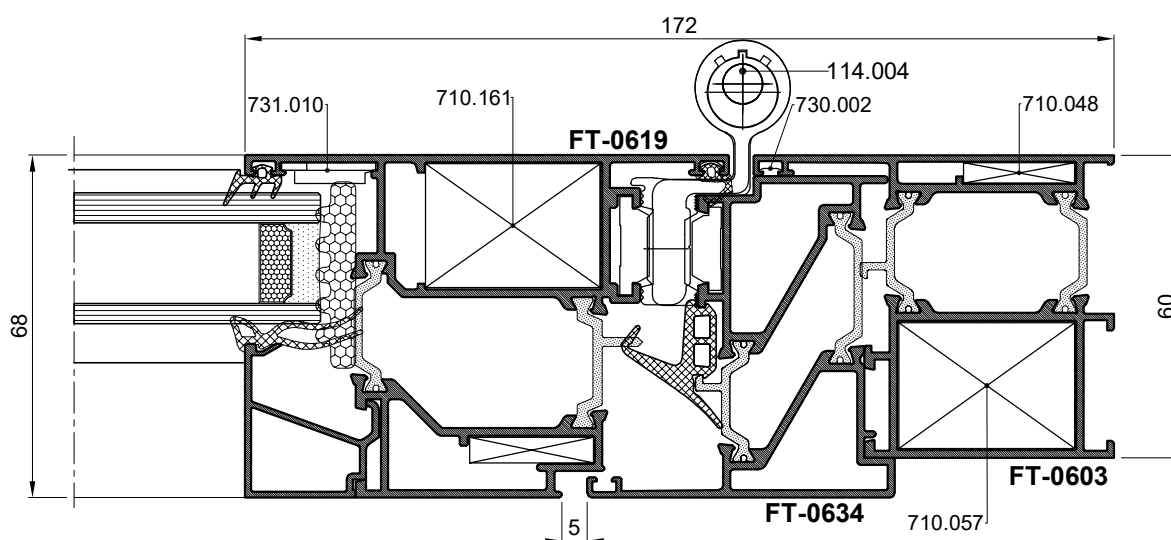
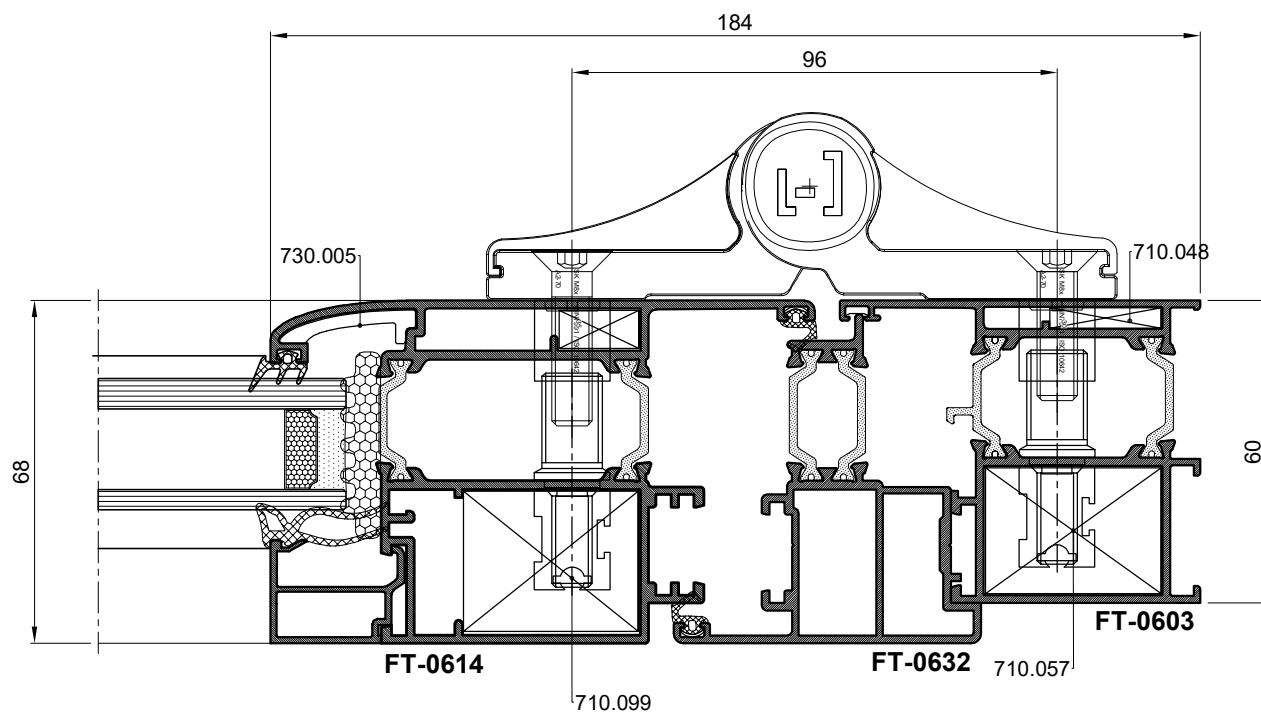
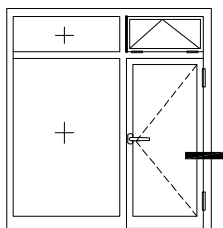


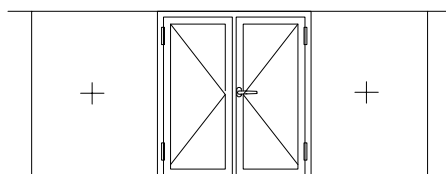
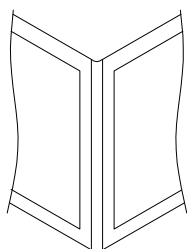
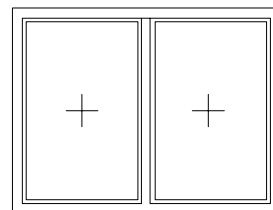
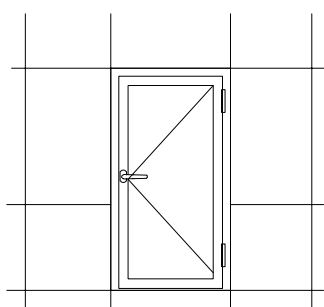
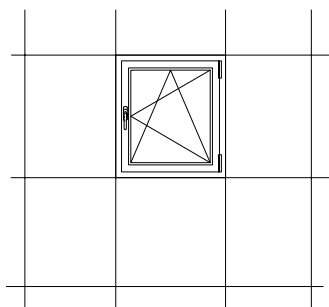


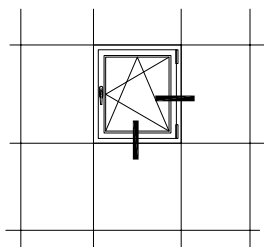




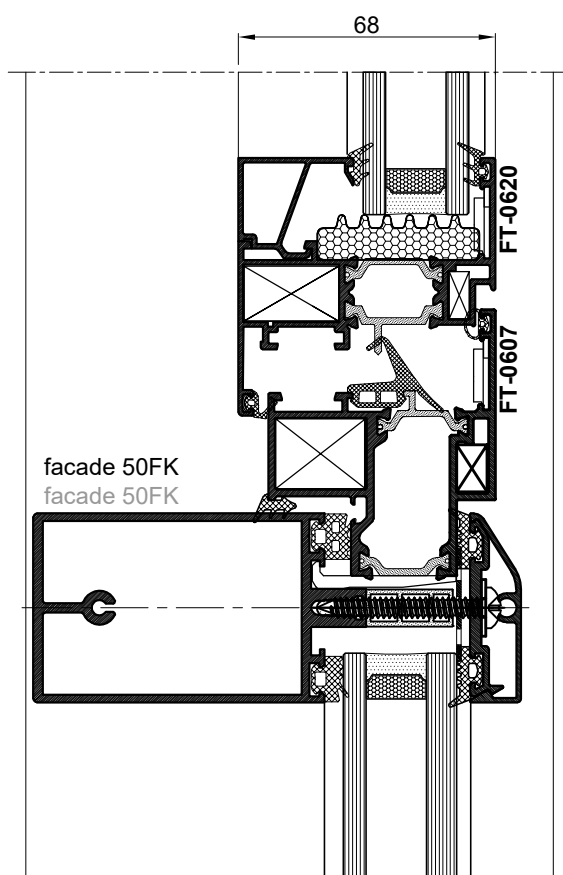
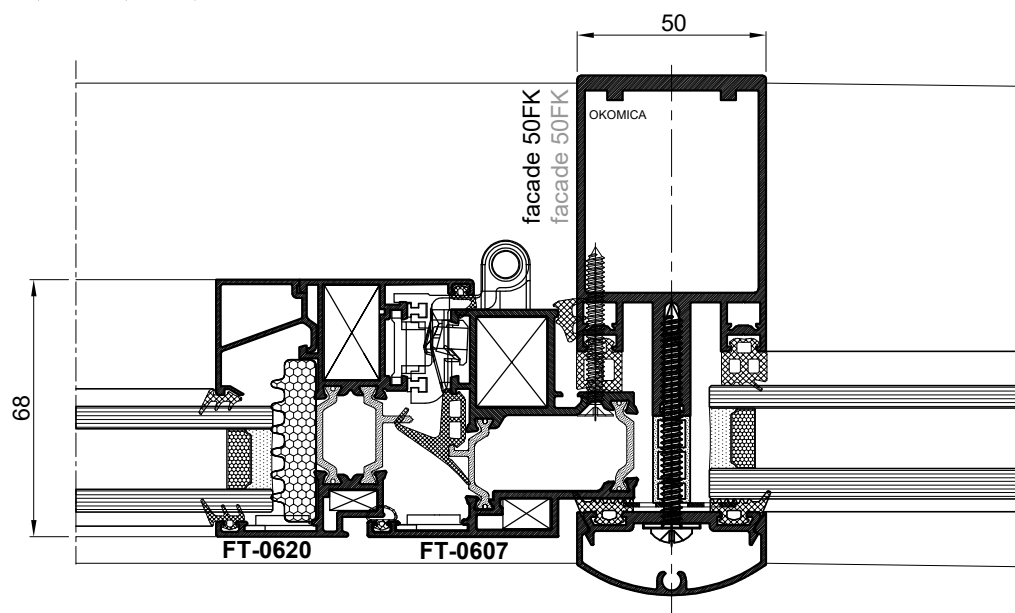


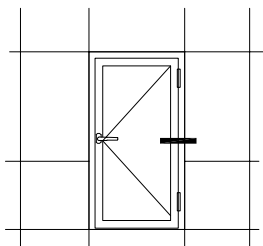




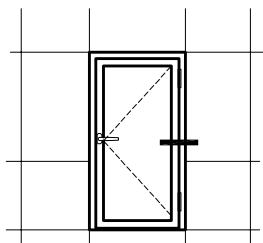
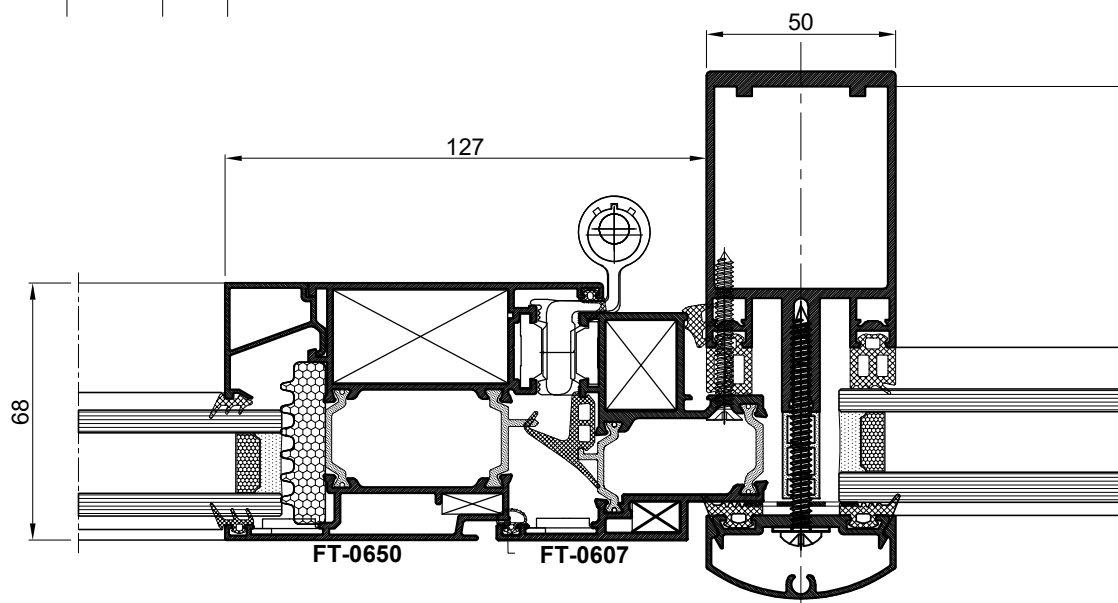


Prozor u fasadi 50 FK
Window in facade 50 FK

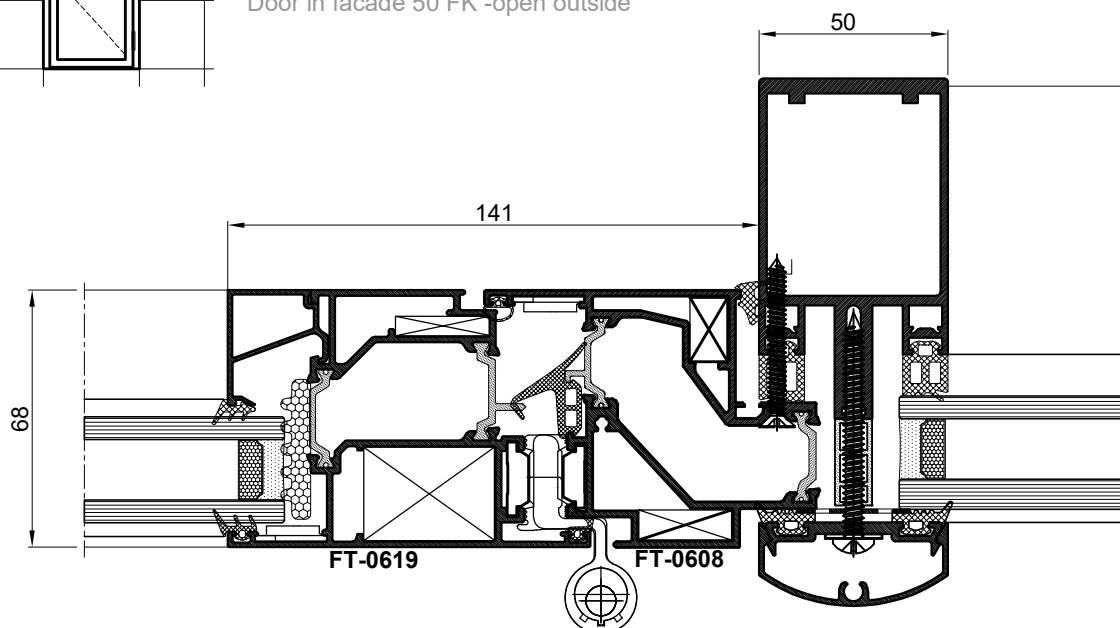


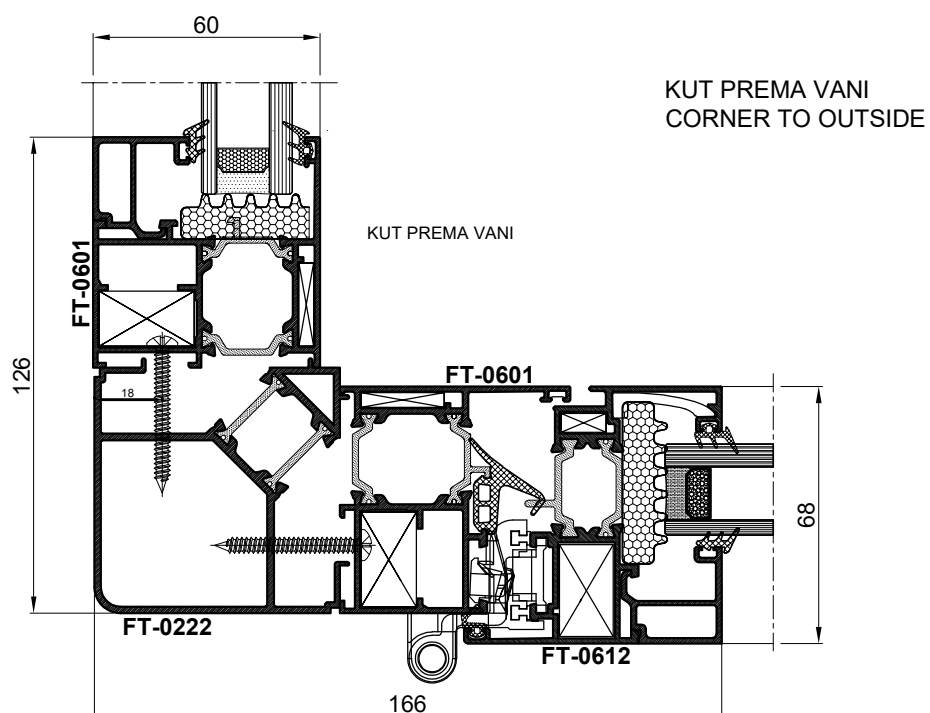
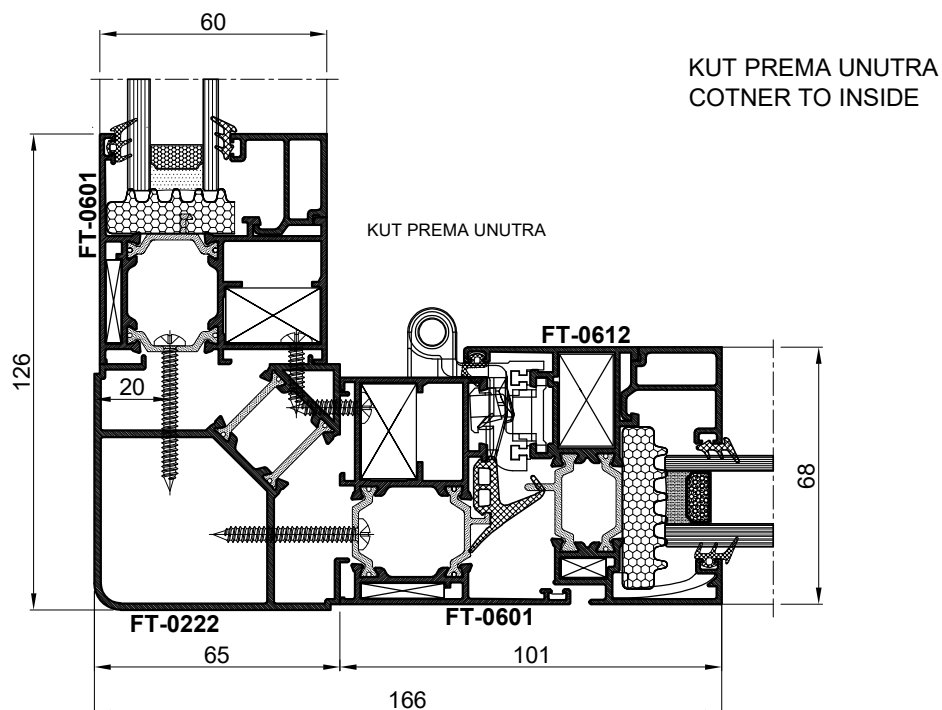
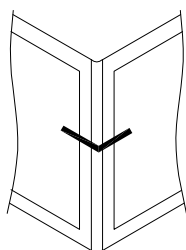


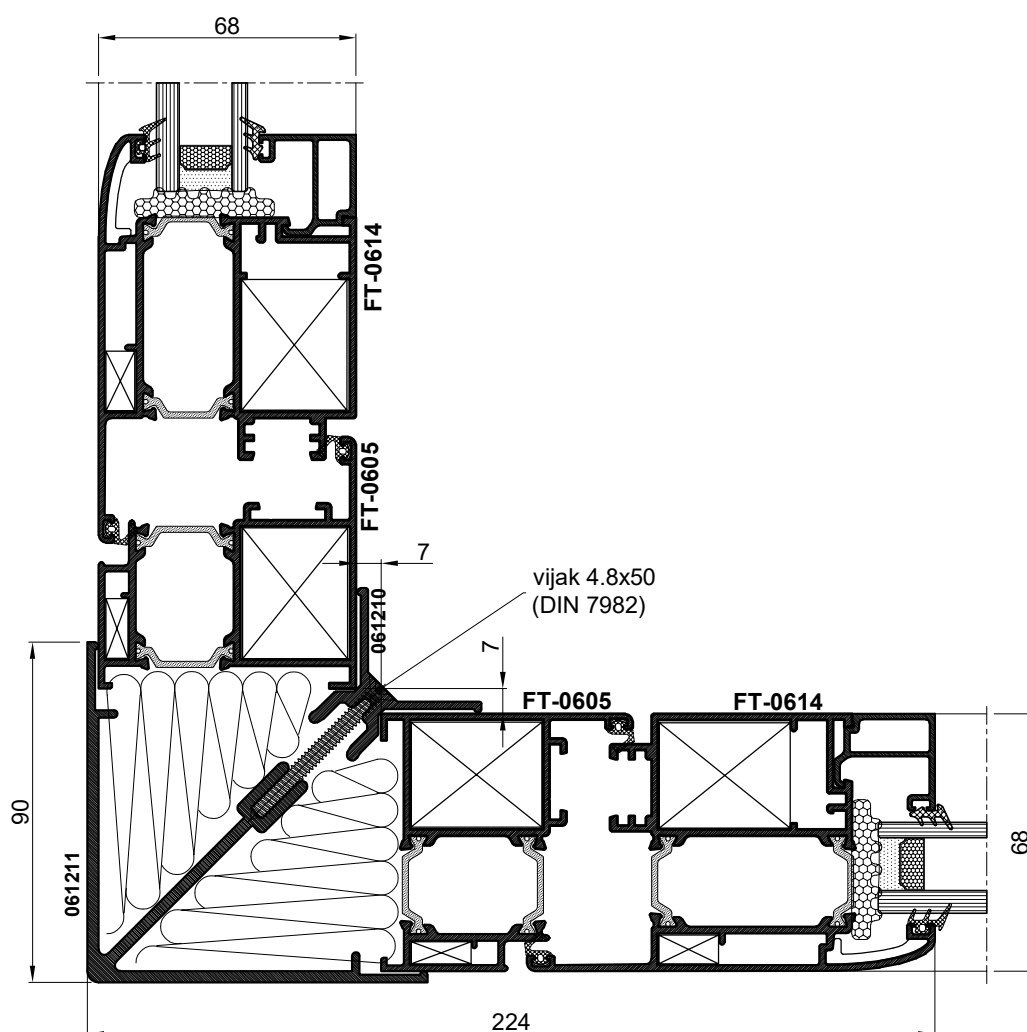
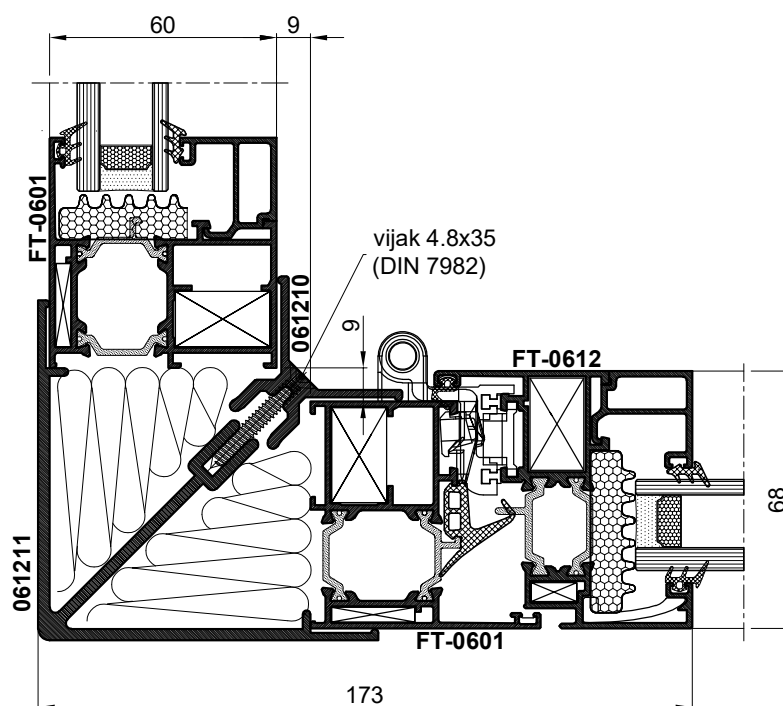
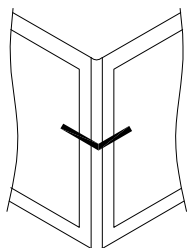
Vrata u fasadi 50 FK - otvaranje unutra
Door in facade 50 FK -open inside



Vrata u fasadi 50 FK - otvaranje vani
Door in facade 50 FK -open outside

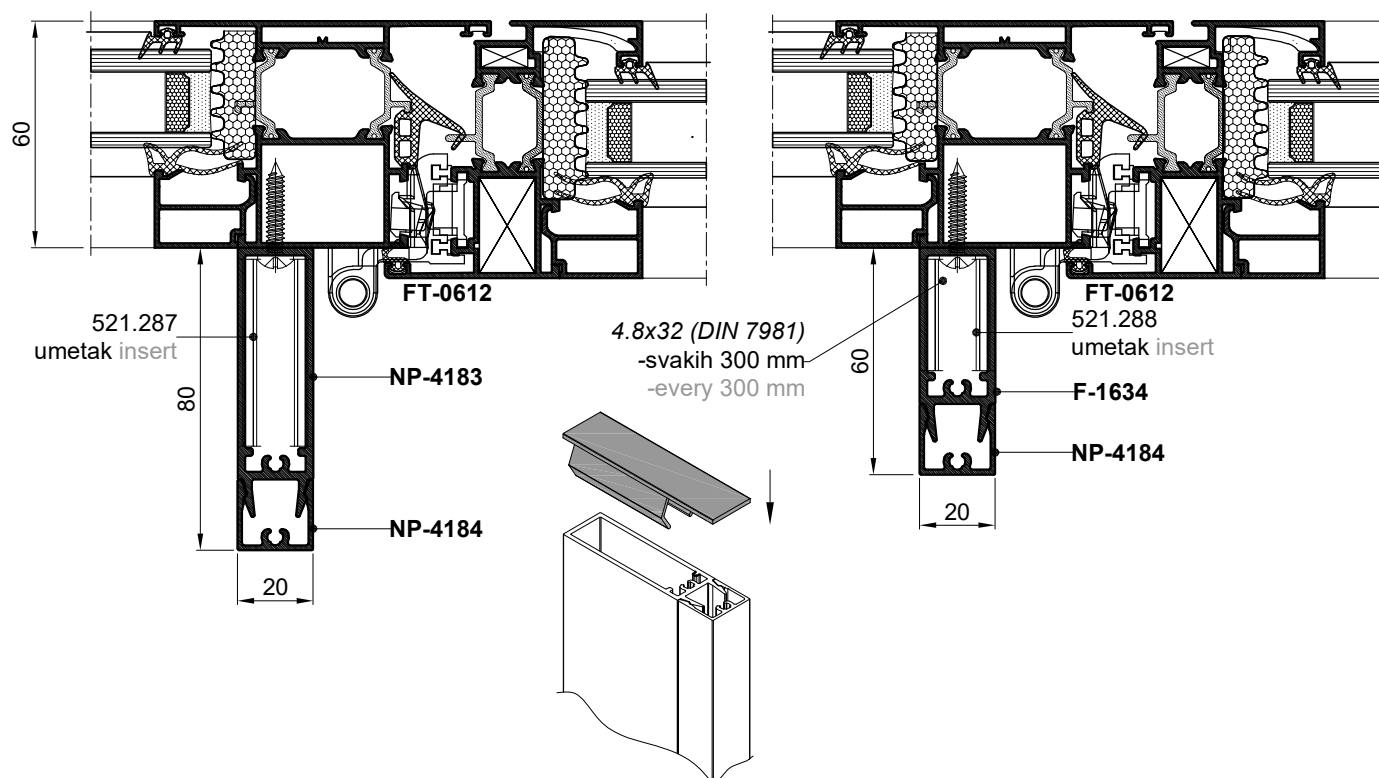




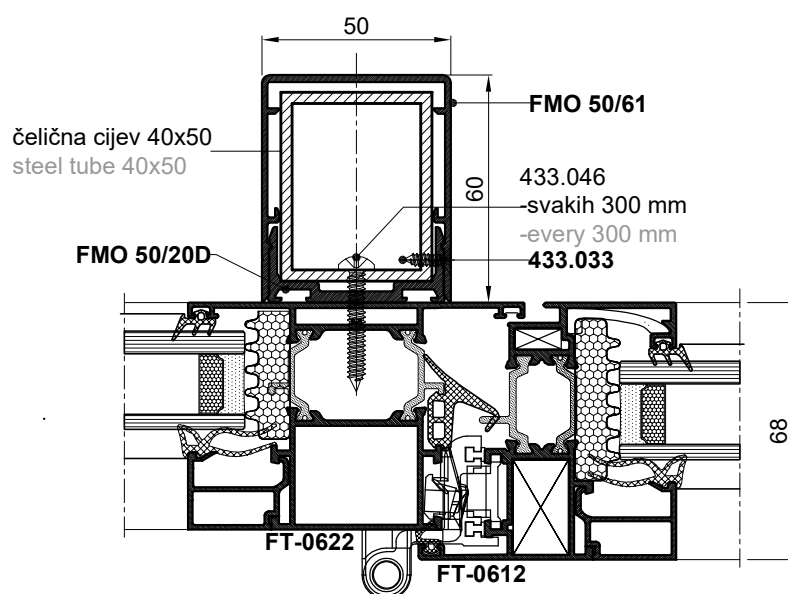


Ojačanje 80 mm
Reinforcement 80 mm

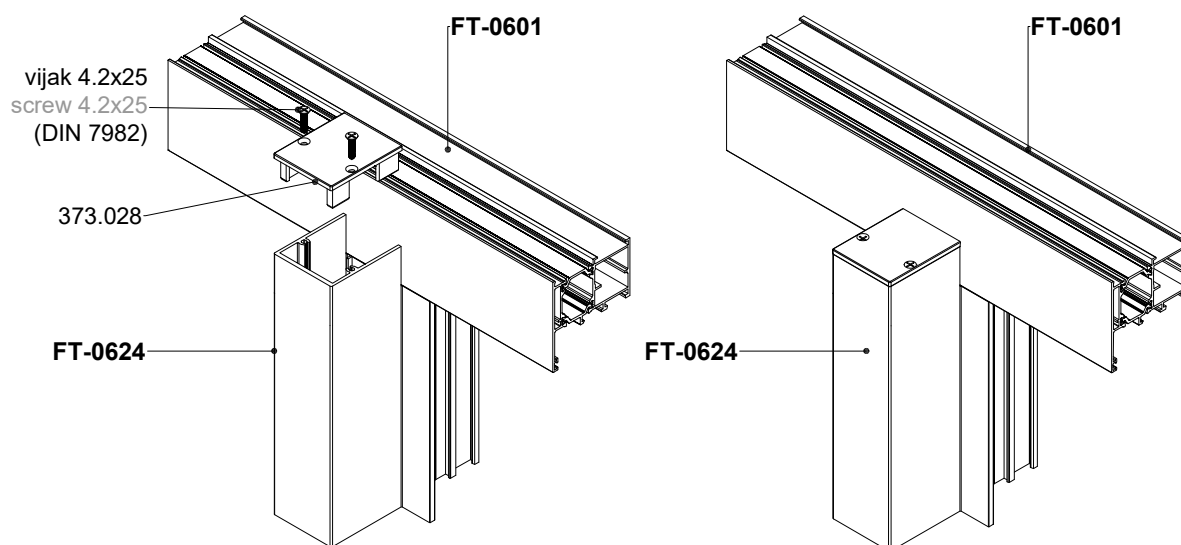
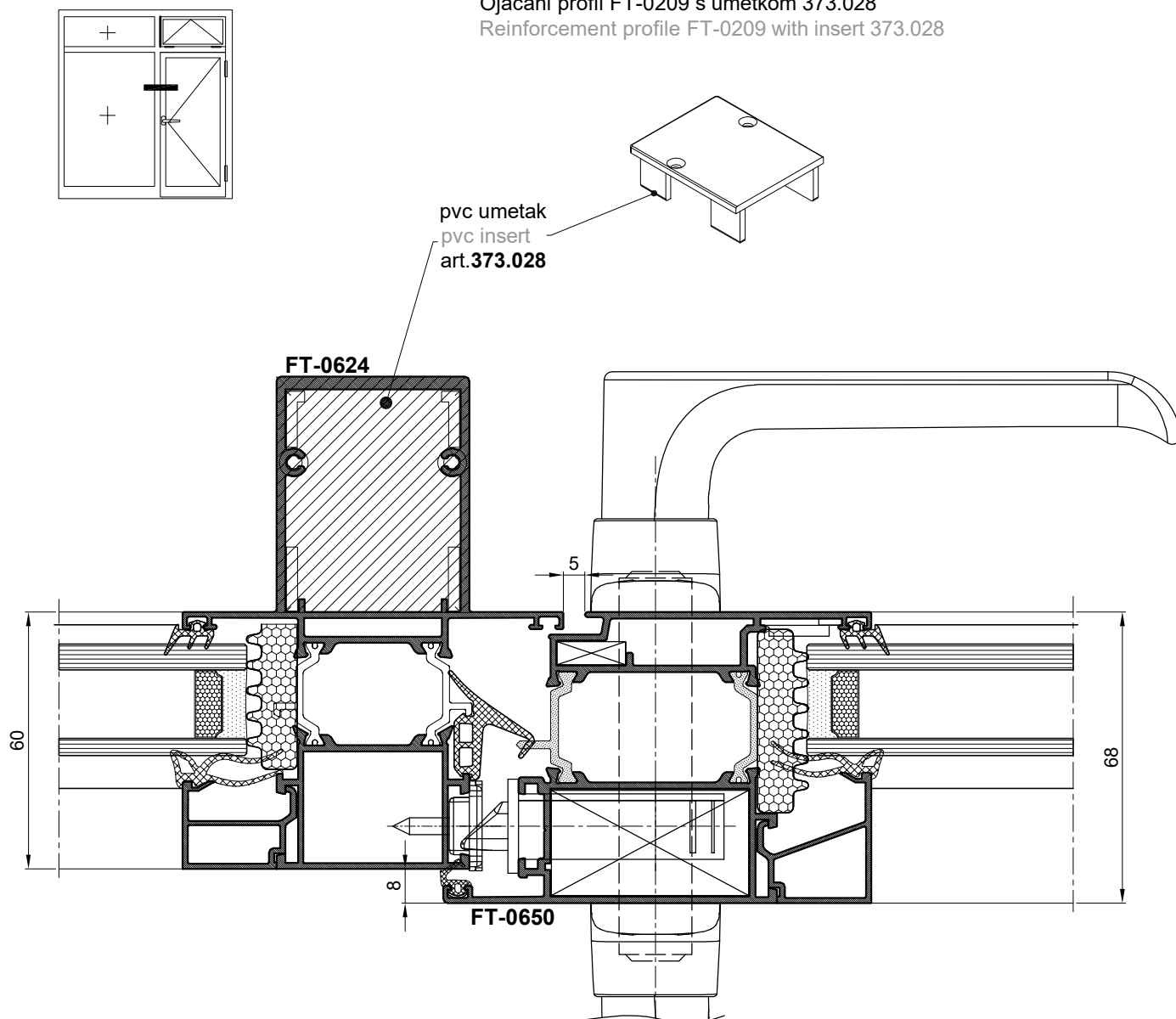
Ojačanje 60 mm
Reinforcement 60 mm

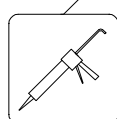
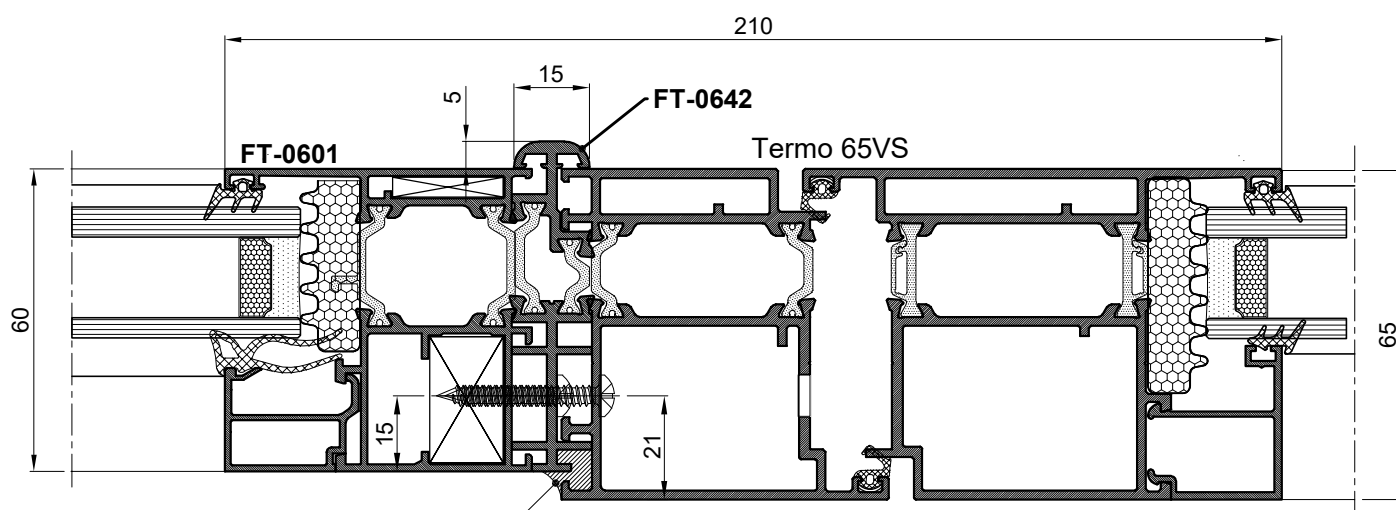
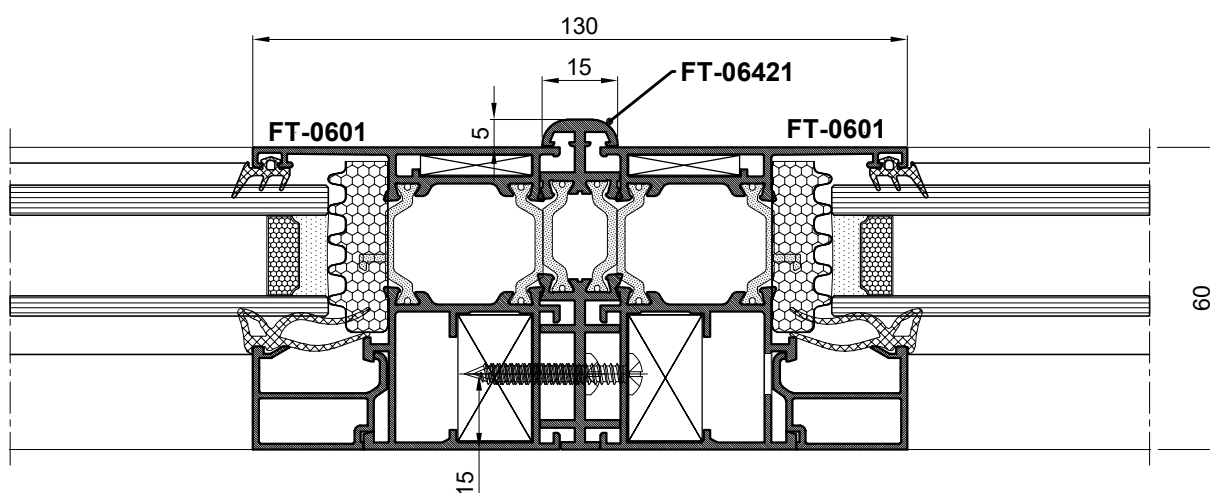
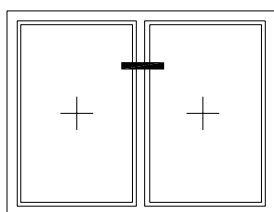


Ojačanje sa čeličnom cijevi
Reinforcement with steel tube

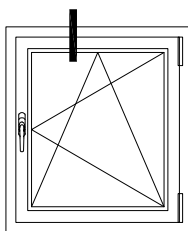


Ojačani profil FT-0209 s umetkom 373.028
Reinforcement profile FT-0209 with insert 373.028

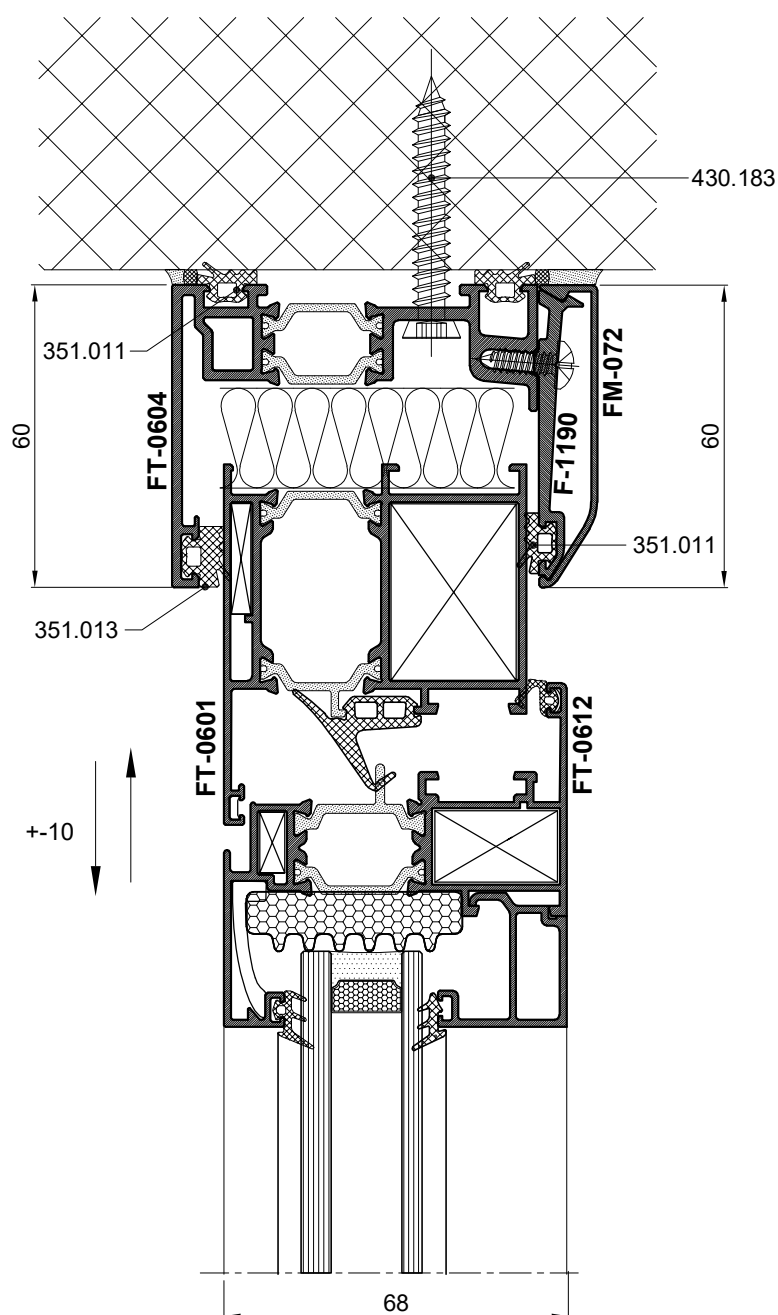


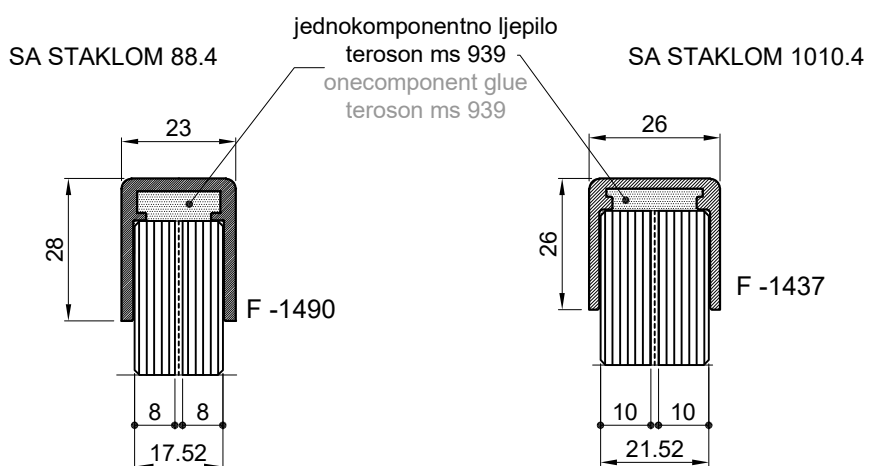
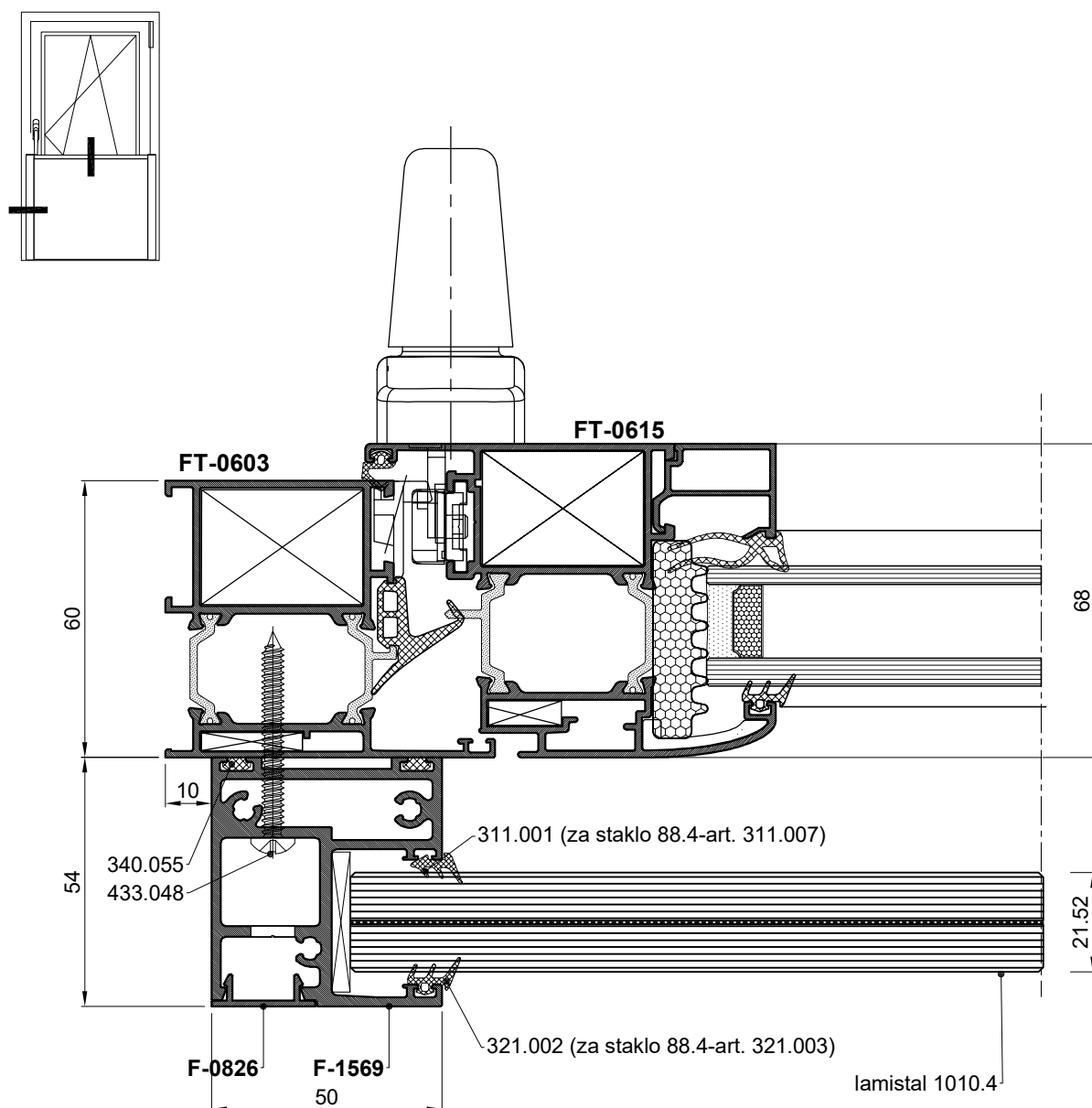


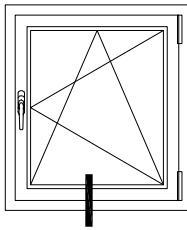
trajno elast. kit
perman. elastic kit



PROFIL ZA UGRADNJU
INSTALATION PROFILE



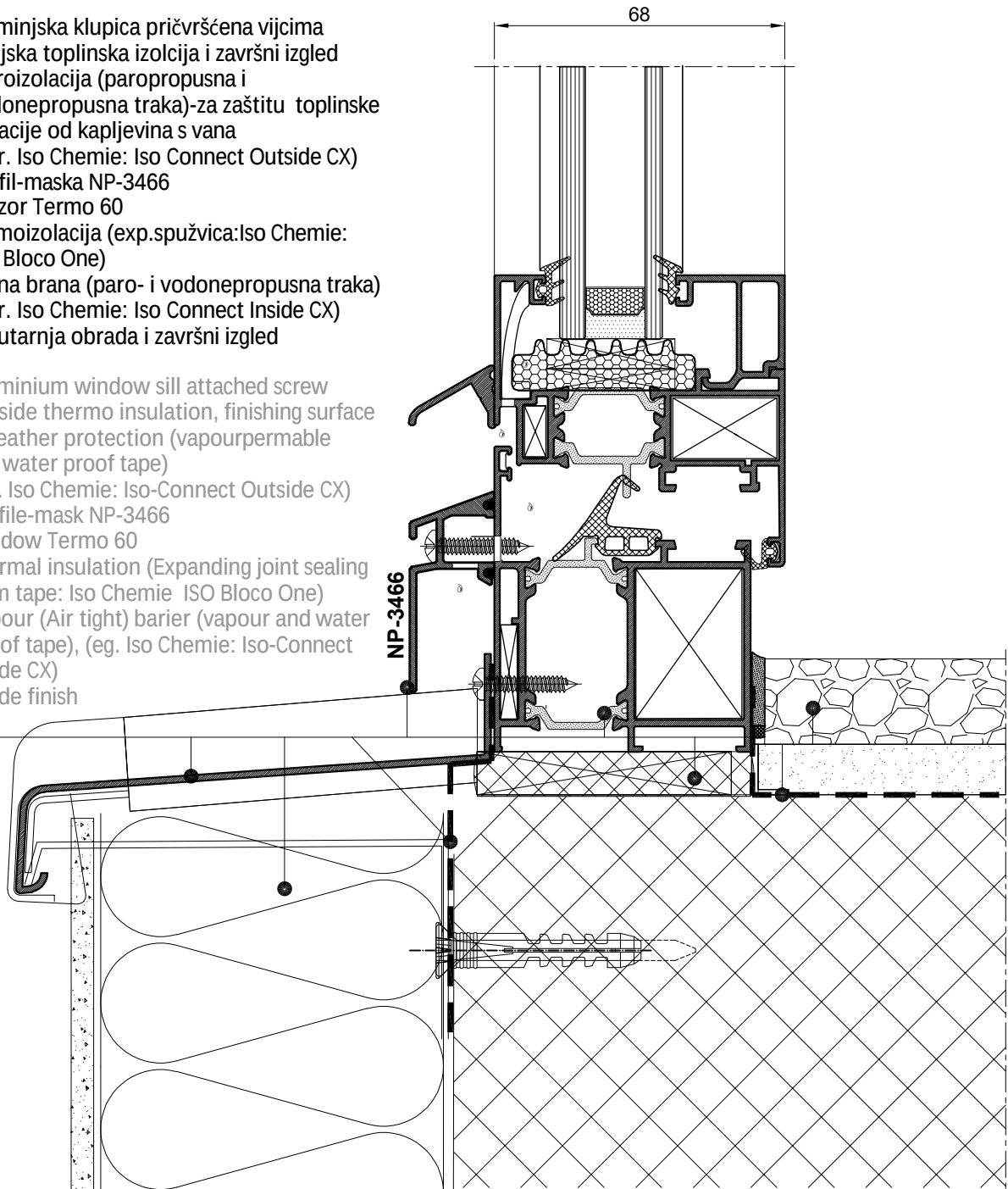


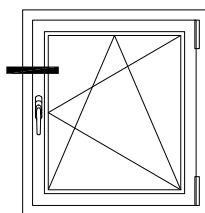


Ugradnja prema RAL standardu
Installation for RAL standards

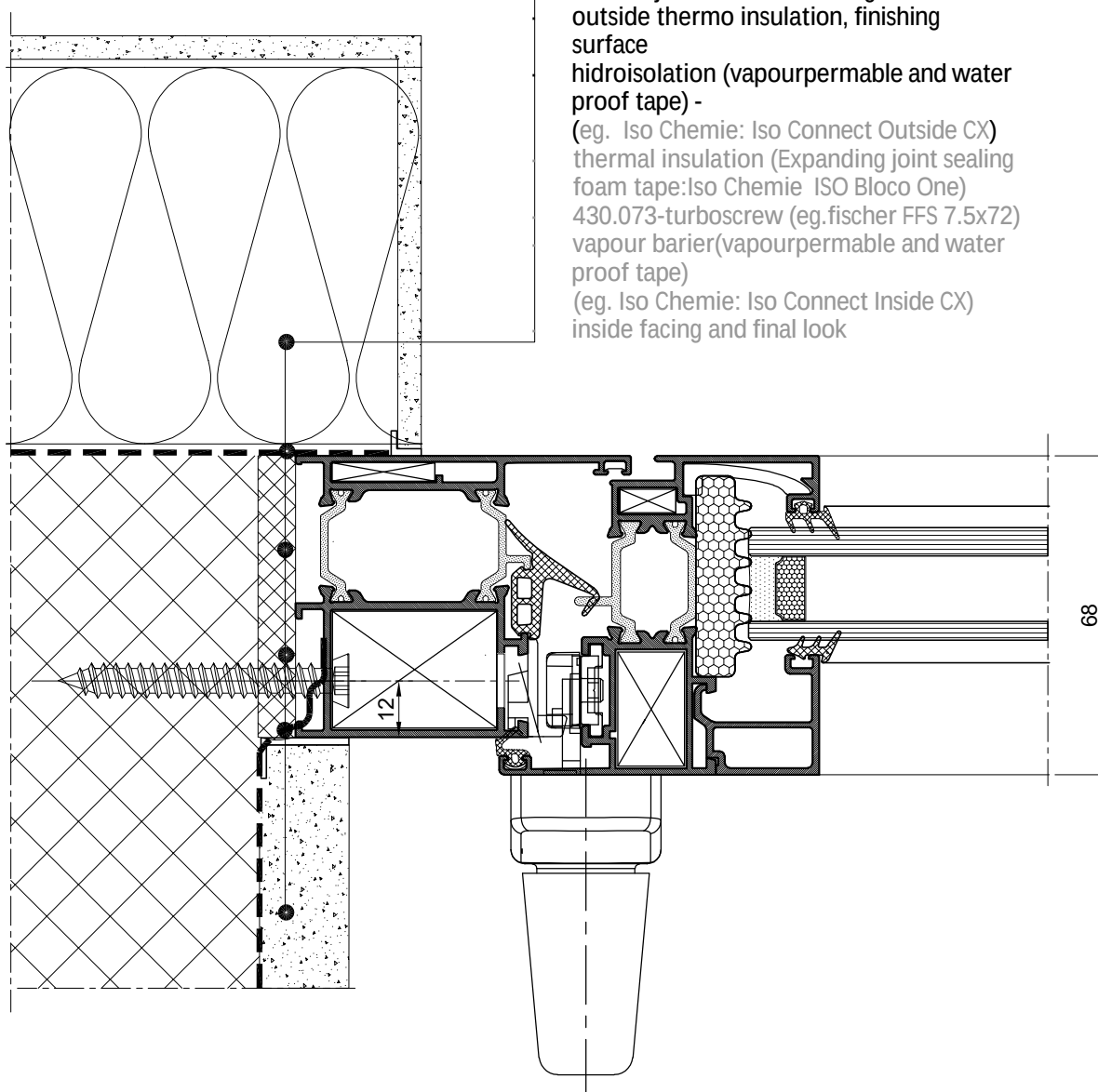
- aluminijska klupica pričvršćena vijcima
- vanjska toplinska izolacija i završni izgled
- hidroizolacija (paropropusna i vodonepropusna traka)-za zaštitu toplinske izolacije od kapljevina s vana (npr. Iso Chemie: Iso Connect Outside CX)
- profil-mask NP-3466
- prozor Termo 60
- termoizolacija (exp.spužvica:Iso 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 (vapourpermable and water proof tape) (eg. Iso Chemie: Iso-Connect Outside CX)
- profile-mask NP-3466
- window Termo 60
- 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

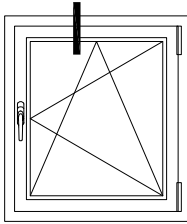




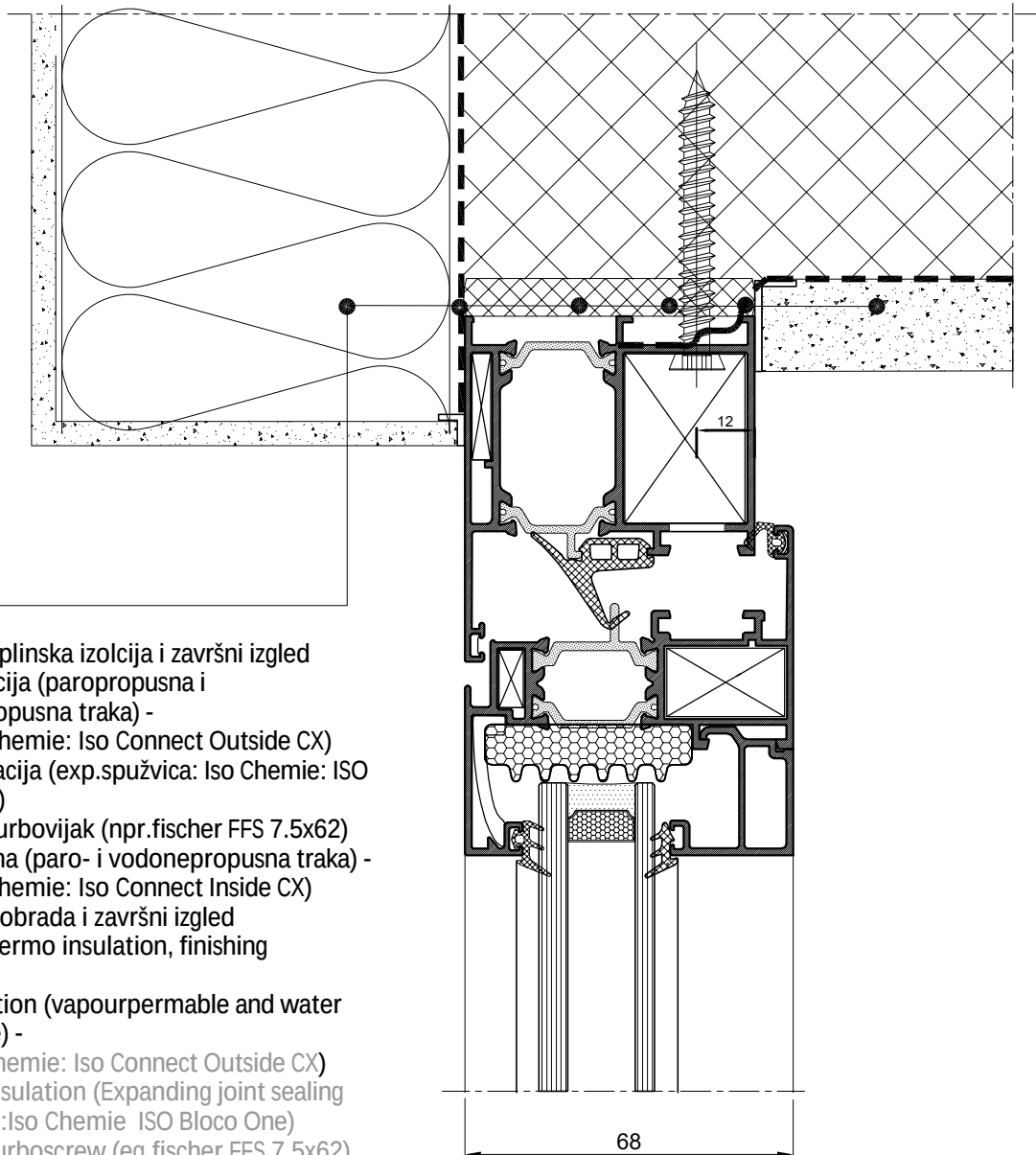
Ugradnja prema RAL standardu
Installation for RAL standards



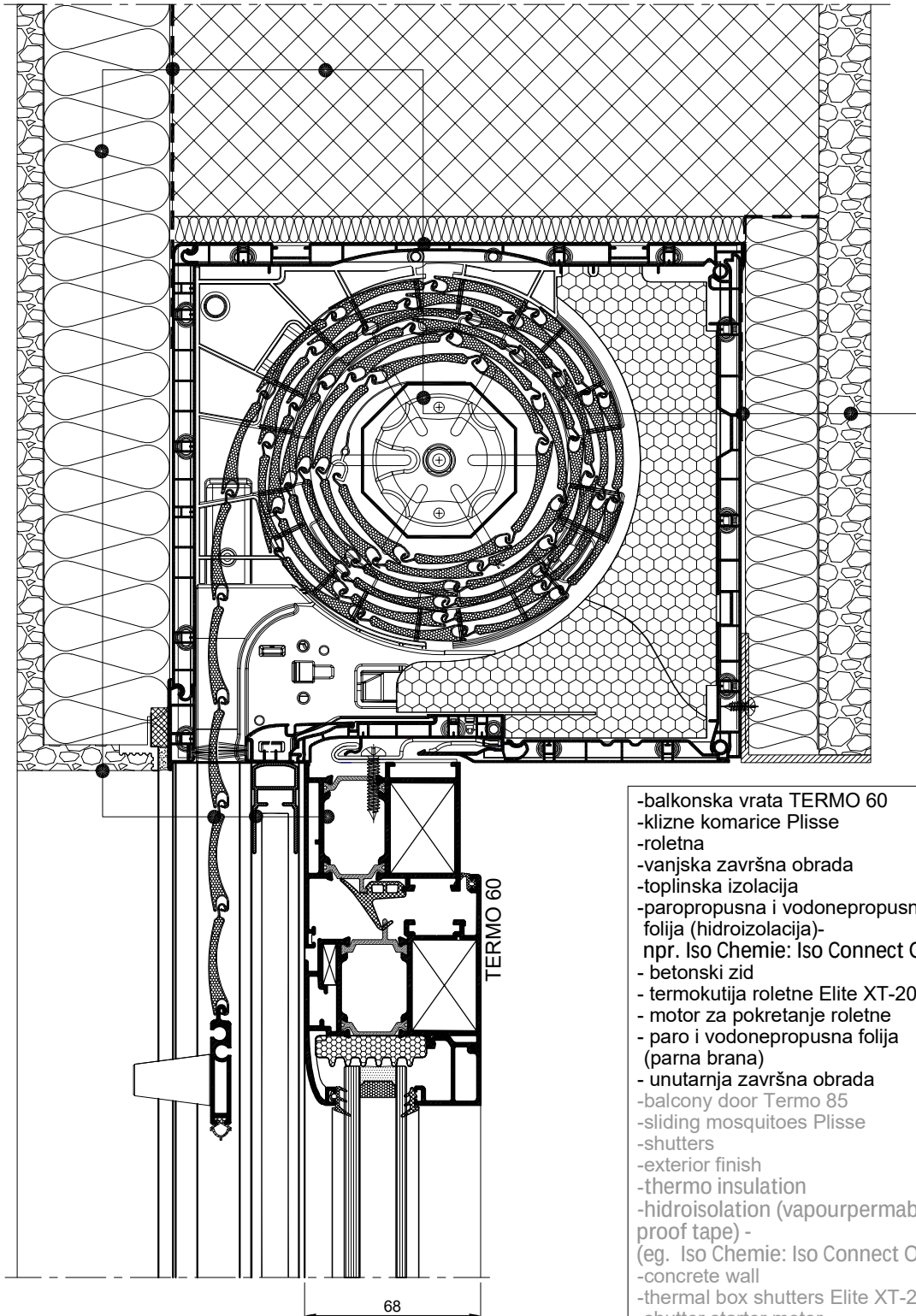
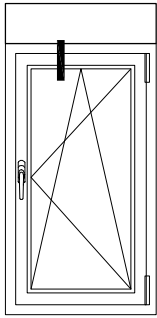
vanjska toplinska izolacija i završni izgled
hidroizolacija (paropropusna i
vodonepropusna traka) -
(npr. Iso Chemie: Iso Connect Outside CX)
termoizolacija (exp.spužvica: Iso Chemie: ISO
Bloco One)
430.073-turbovijak (npr.fischer FFS 7.5x72)
parna brana (paro- i vodonepropusna traka) -
(npr. Iso Chemie: 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



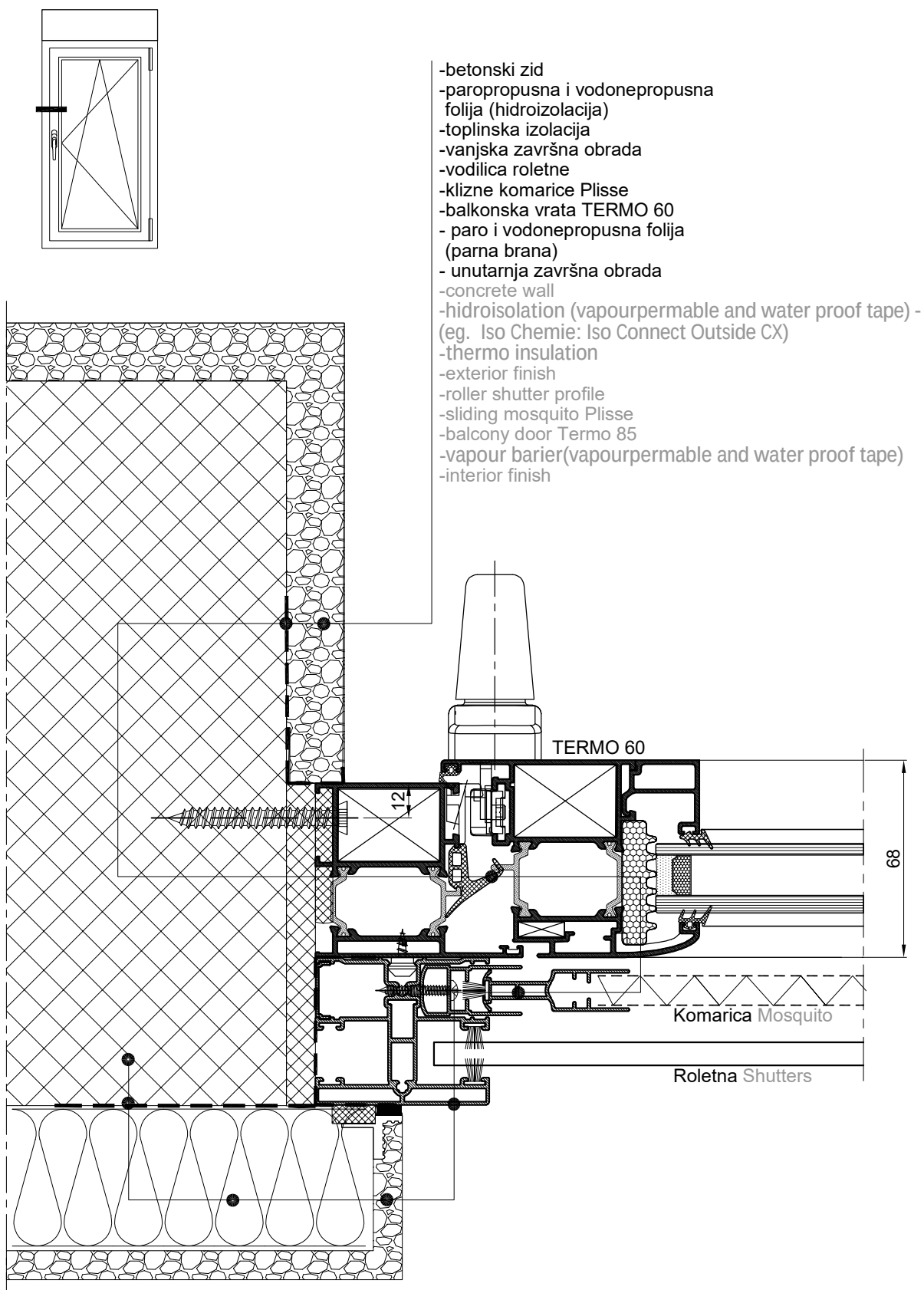
Ugradnja prema RAL standardu
Installation for RAL standards



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

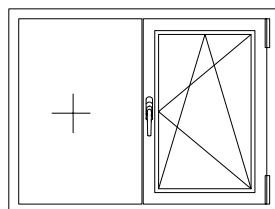
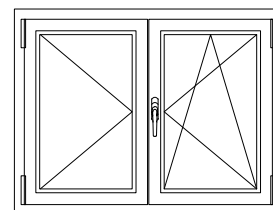
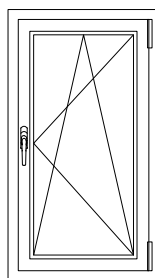
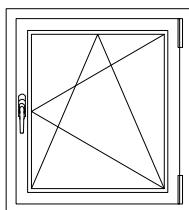


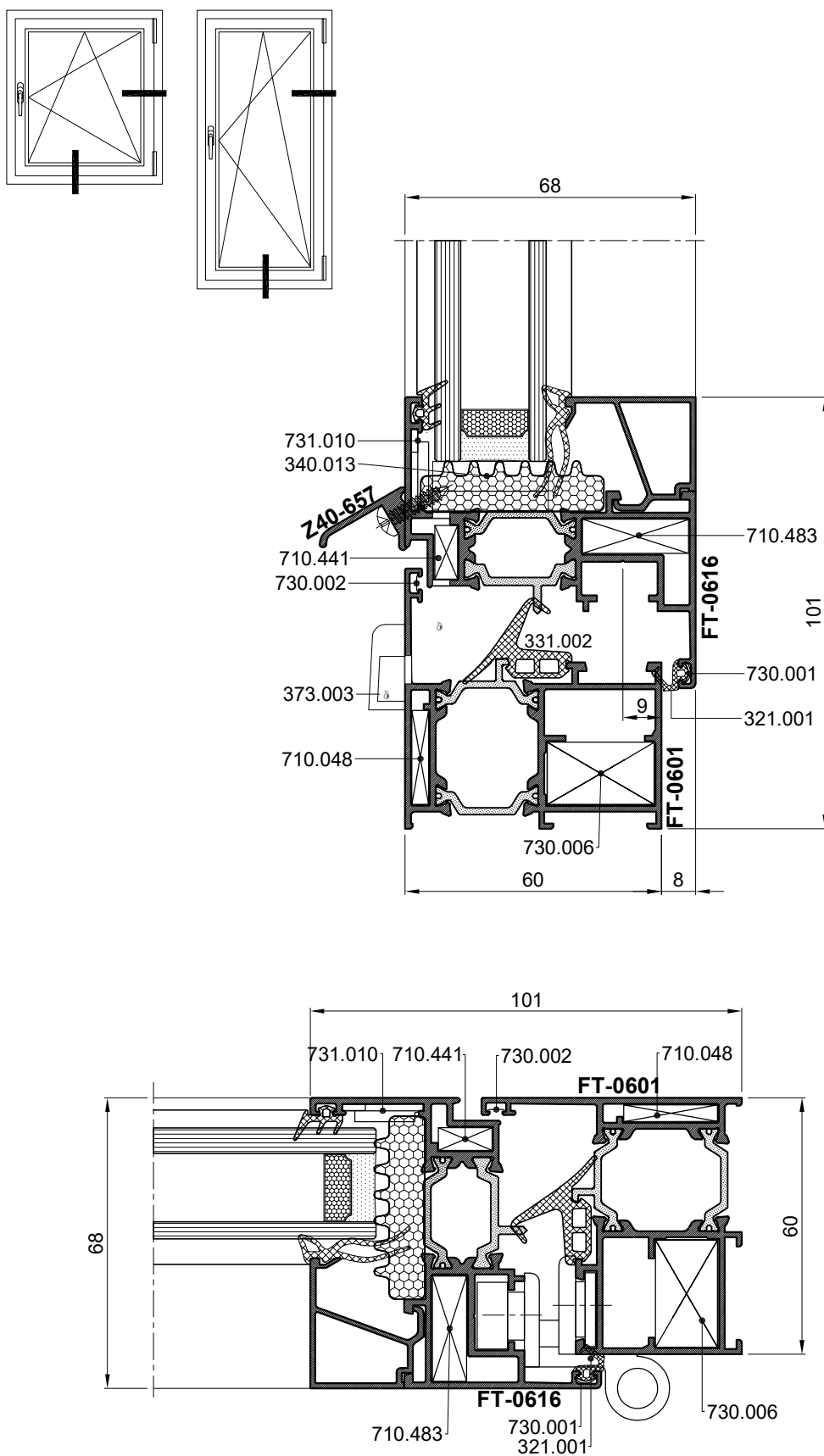
- balkonska vrata TERMO 60
- klizne komarice Plisse
- roletna
- vanjska završna obrada
- toplinska izolacija
- paropropusna i vodonepropusna folija (hidroizolacija)-
- npr. Iso Chemie: Iso Connect Outside CX
- betonski zid
- termokutija roletne Elite XT-200x220
- motor za pokretanje roletne
- paro i 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

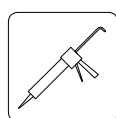
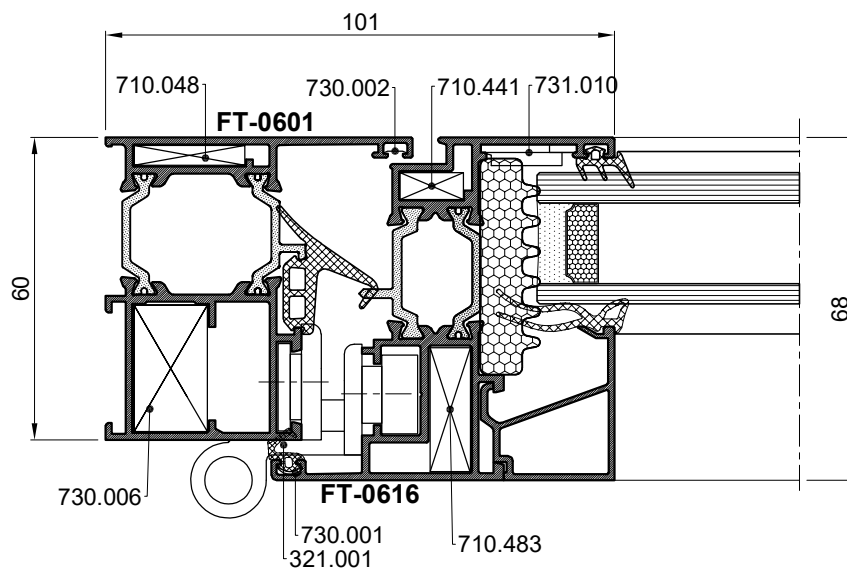
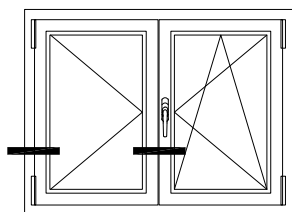


Profili sa žlijebom 16/9

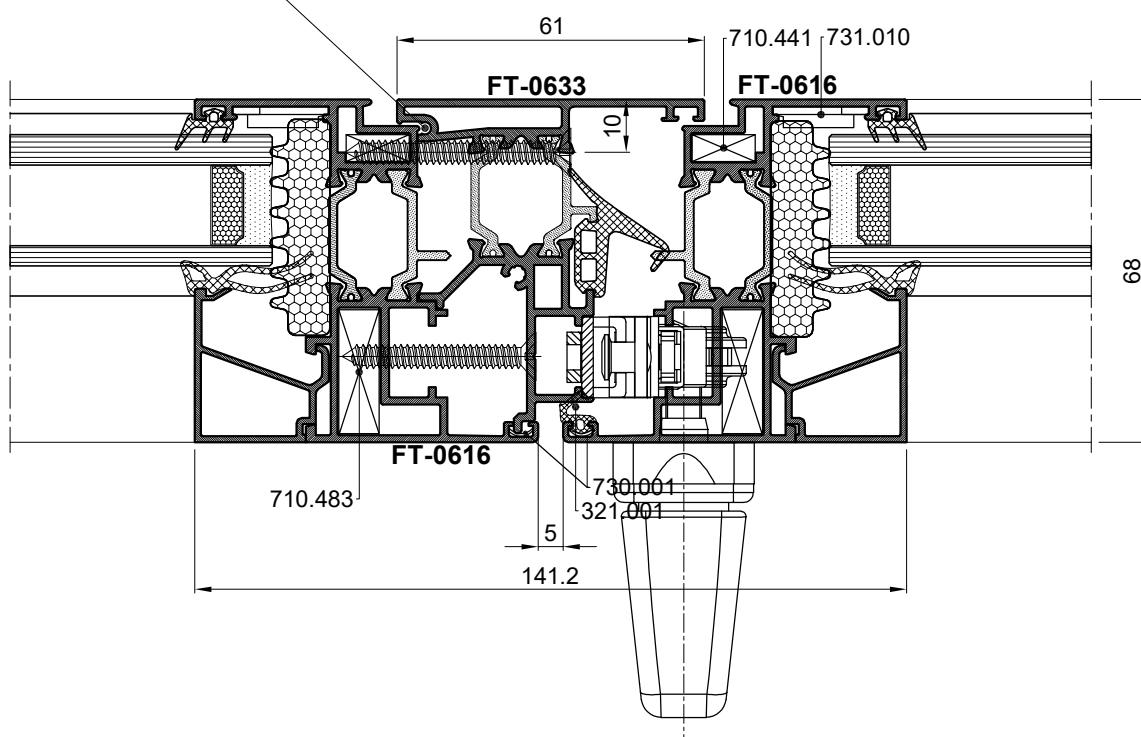
Grooved profiles 16/9

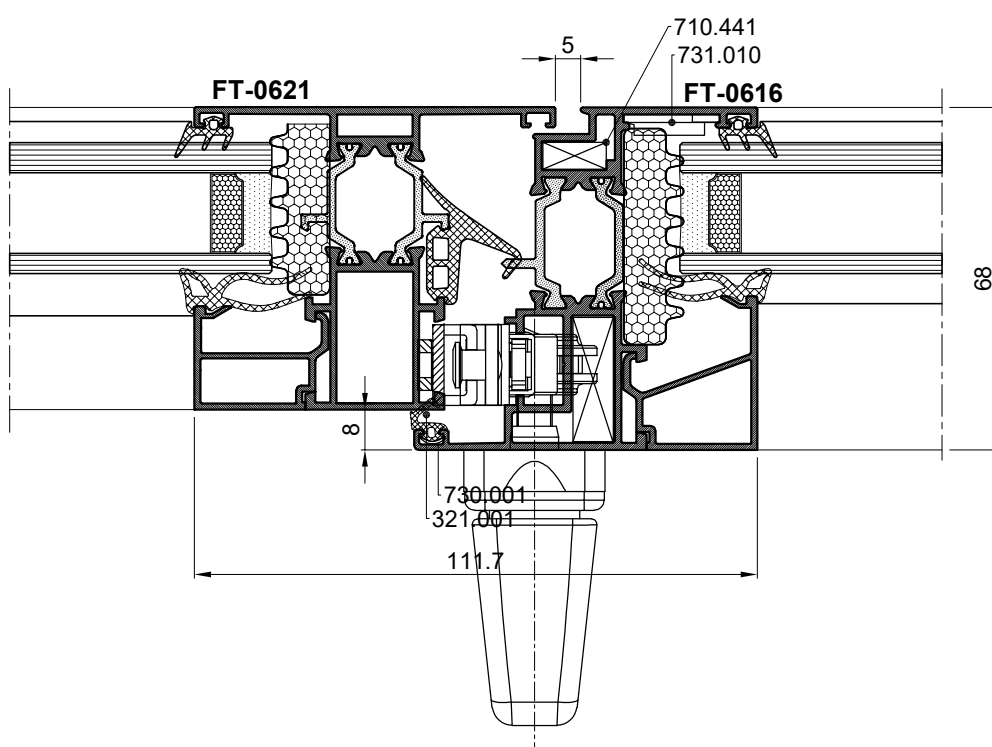
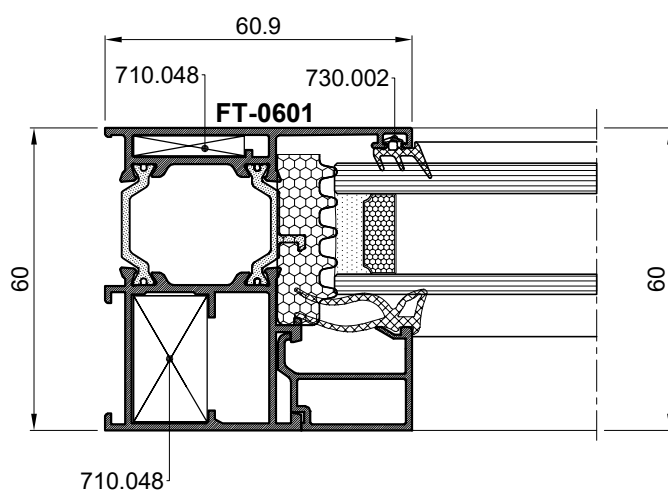
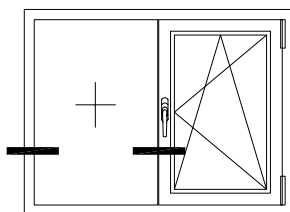






trajno elast. kit
perman. elastic kit





FEAL

TERMO 60

Knjiga A / *Book A*

Ožujak 2020 / *March 2020*

FEAL d.o.o.

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