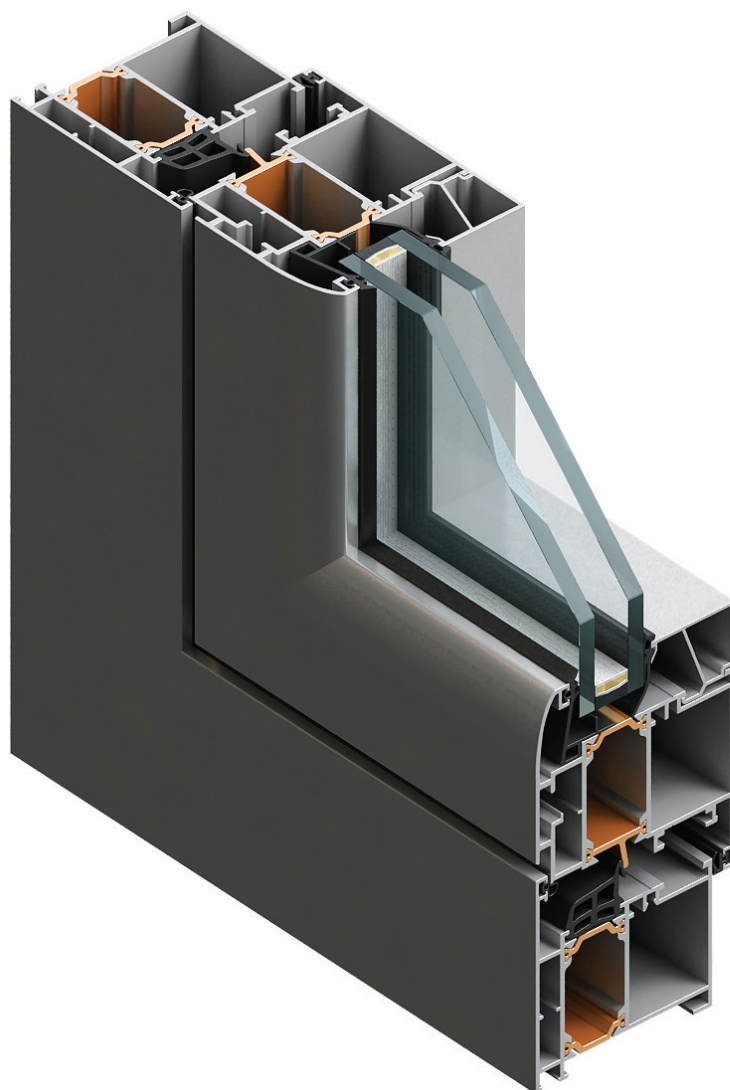


# FEAL



## TERM0 65

PROZORI I VRATA  
*WINDOWS AND DOORS*

Knjiga A / *Book A*





## SADRŽAJ CONTENT

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# Značajke sistema

## System characteristics



## OPIS SISTEMA:

Sistem TERMO 65 se koristi za izradu prozora (otvaranje unutra i vani), vrata (otvaranje unutra i vani) i fiksnih stijena.

To je sistem profila sa prekinutim termičkim mostom, osnovne ugradbene dubine dovratnika 65 i 73 mm, Pored osnovne varijante dovratnika/krila sa ravnim linijama, moguće su izvedbe dovratnika/krila i sa zaobljenim vanjskim linijama.

Prekid termičkog mosta se postiže poliamidnim trakama širine 22 mm.

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

Brtvljenje je izvedeno brtvama EPDM kvalitete.

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

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

Mogućnost odabira profila sa žlijebom 16/13.

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

## Karakteristike sistema:

|                                      |   |
|--------------------------------------|---|
| -materijal.....                      | EN AW-6060  |
| -max.masa krila.....                 | 130 kg  |
| -moguća debljina ispune.....         | 9-59 mm   |
| -zrakopropusnost.....                | EN 12207 (klasa 4)                                      |
| -vodonepropusnost.....               | EN 12208 (klasa 9A)                                     |
| -zaštita od buke.....                | DIN 4109 ( $R_w=38 \text{ dB}$ )                        |
| -protuprovalnost.....                | EN 1627 (RC2, RC3)                                      |
| -proračun $U_w$ koeficijenta.....    | DIN EN ISO 10077-2 ( $\geq 1,3 \text{ Wm}^2/\text{K}$ ) |
| -otpornost na udar vjetrova.....     | EN 12210 (klasa C5/B5)                                  |
| -materijal za brtvljenje (EPDM)..... | DIN 7863  |
| -površinska obrada.....              | DIN 17611   |
| -kontrola kvalitete.....             | DIN EN ISO 9001   |

## SYSTEM DESCRIPTION:

The system TERMO 65 is used for production the windows (inside and outside opening), doors (inside and outside opening) and fixed glass wall.

It is a profiles system with thermal break, basic mounting depth the frame 65 i 73 mm,

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

The thermal bridge break is achieved with polyamide strips of 22 mm width

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

The sealing are made with the gasket EPDM quality .

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

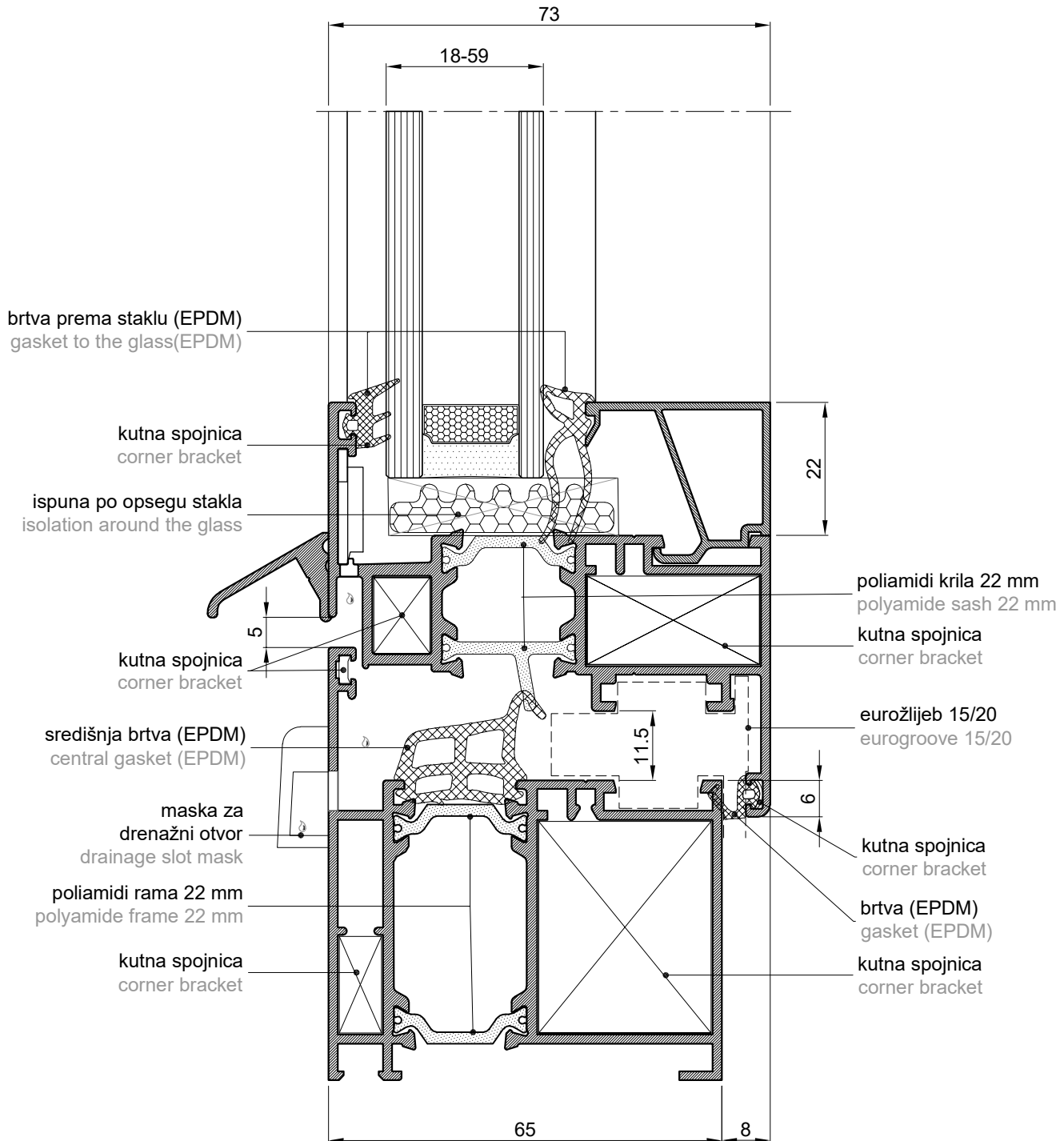
System is compatibility with facade systems 50FK/KS i 60K/S.

Possibility selection the profile with groove 16/13

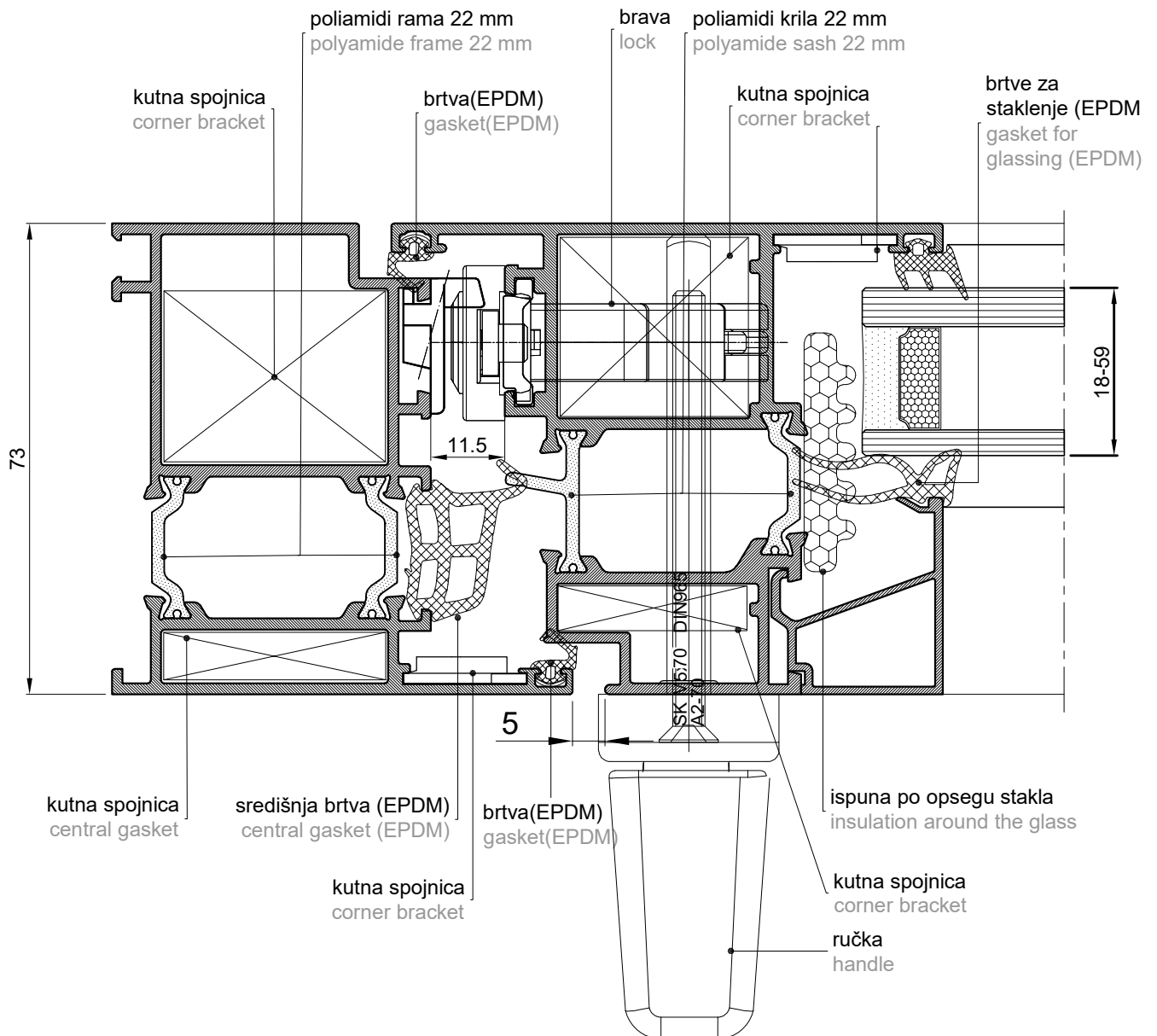
The hardware which are installation in the this system is standard for euro grove and for groove 16/13

## System characteristics:

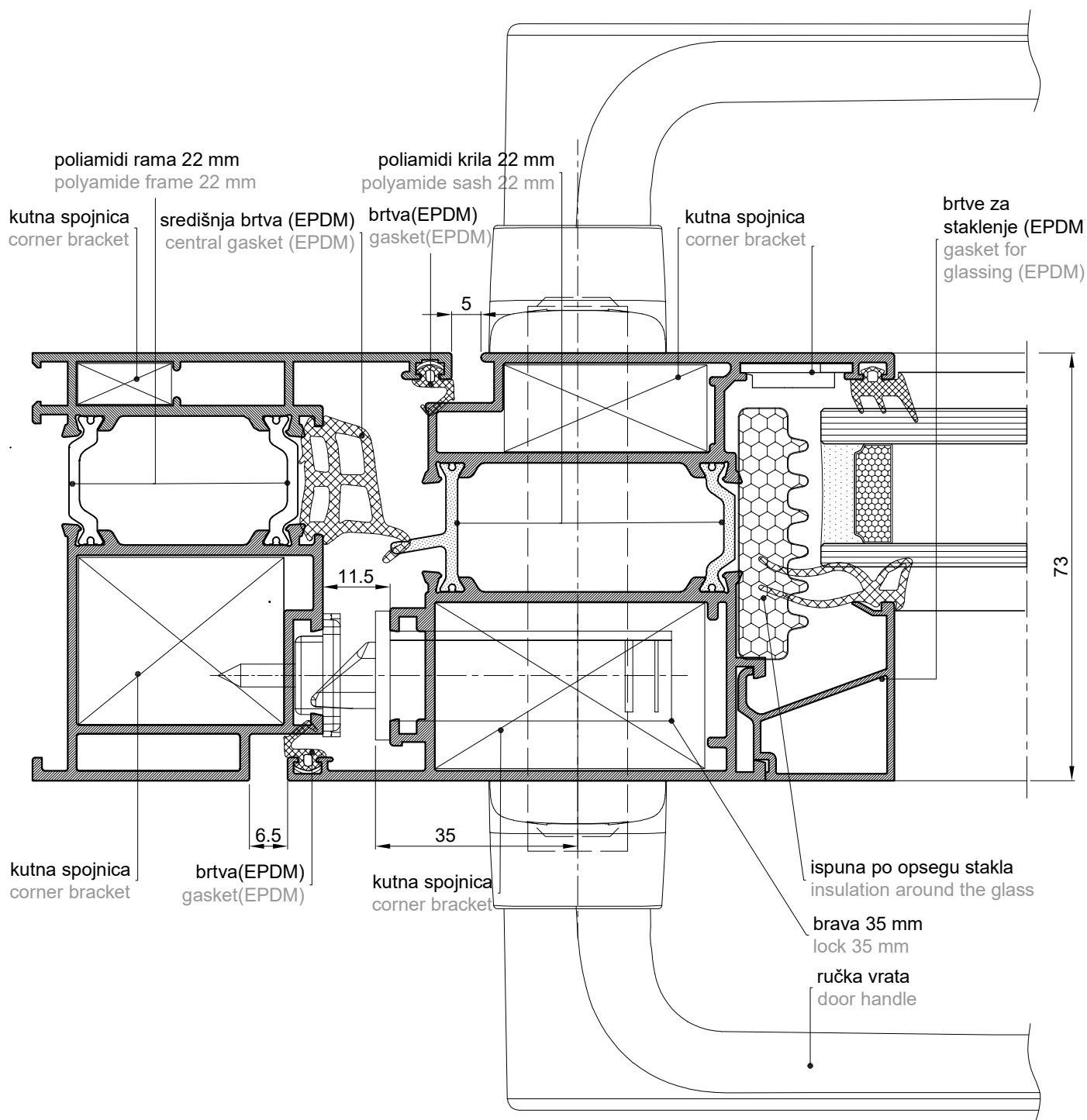
|                                   |   |
|-----------------------------------|---|
| -material.....                    | EN AW-6060  |
| -mass OZ sash.....                | 130 kg  |
| -possible infill depth.....       | 9-59 mm   |
| -air permeability.....            | EN 12207 (klasa 4)          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



### Sistem ravnih linija prozora System straight lines window

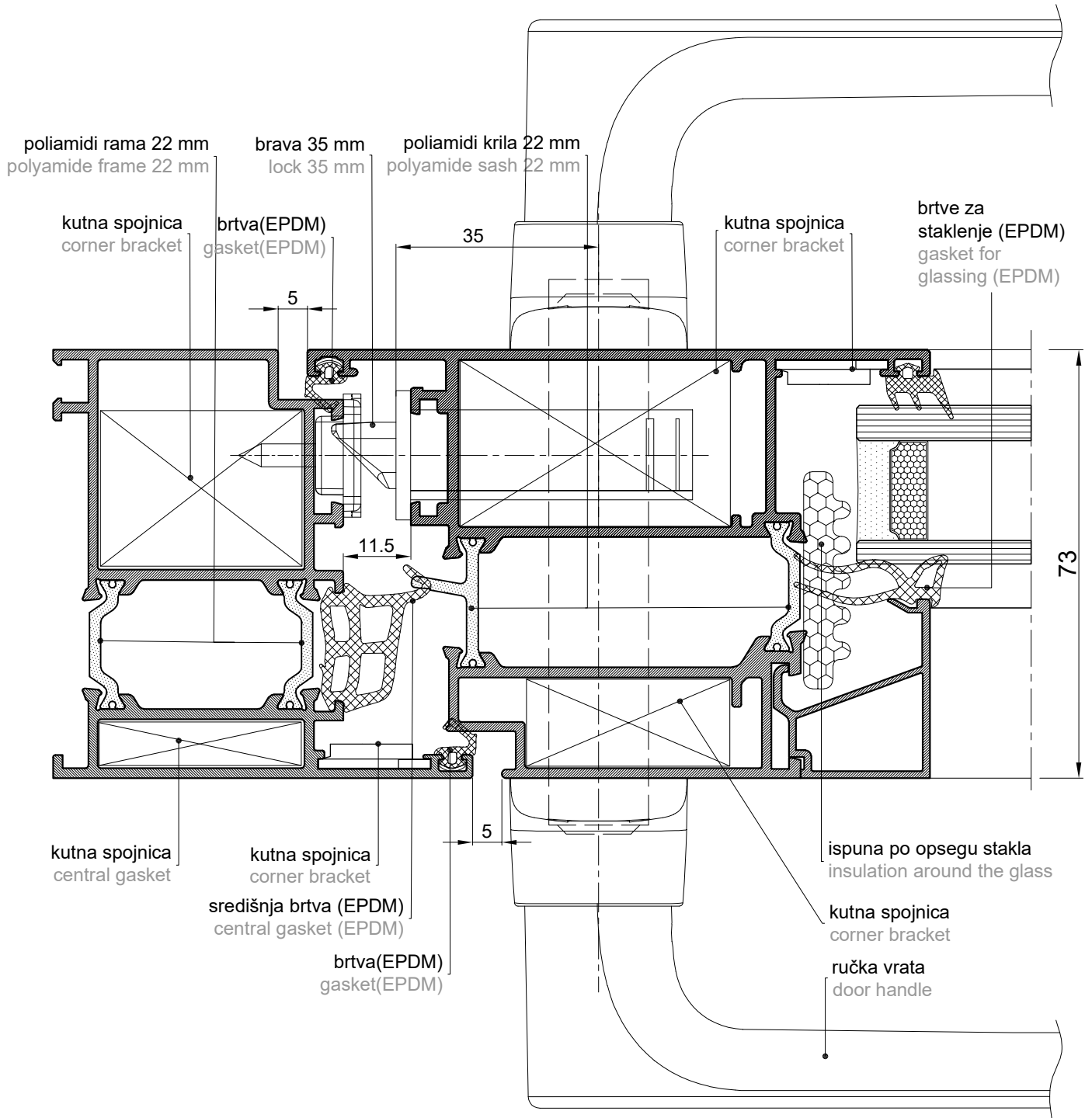


### Sistem ravnih linija vrata System straight lines door





### Sistem ravnih linija vrata System straight lines door



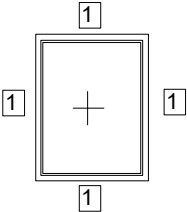
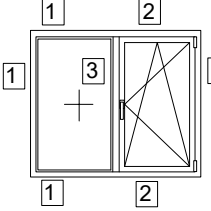
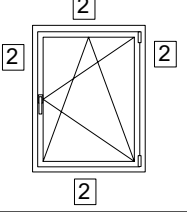
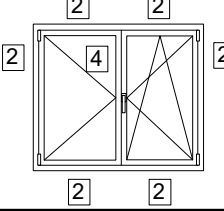
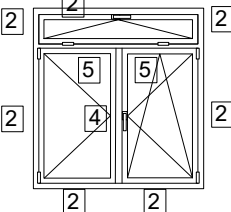
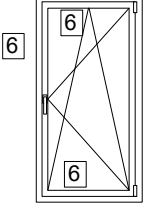
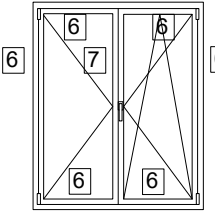


# Ispitivanja i certifikati

## Testing and certificates



| ISPITIVANJA I CERTIFIKATI TEST AND CERTIFICATES  |                                  |                                |  |   |  |  |   |
|--|----------------------------------|--------------------------------|--|---|--|--|---|
| Vrsta ispitivanja<br>Type of test  | Jednokr. prozor<br>Single window | Dvokr. prozor<br>Double window | Dvokr. prozor s<br>nadsvijetlom<br>Double window with<br>vent. | Prozor, otv.<br>oko srednje<br>vodor. ose<br>Window,<br>horizontal<br>pivot opening | Jed.balk.vrata<br>Single<br>balcony door | Dvo.balk.<br>vrata<br>Double<br>balcony door | Jedokr. prozor<br>s fiksnim<br>dijelom<br>Single<br>window with<br>fixed part |
| Zrakopropusnost<br>Air permeability<br>EN12207   | <b>class 4</b>                   | <b>class 4</b>                 | <b>class 4</b>   | <b>class 3</b>  | <b>class 4</b>                           | <b>class 4</b>                               | <b>class 4</b>  |
| Vodonepropusnost<br>Watertightness<br>EN 12208   | <b>E900</b>                      | <b>9A</b>                      | <b>9A</b>  | <b>E900</b>   | <b>8A</b>                                | <b>9A</b>                                    | <b>8A</b>   |
| Vjetronepropusnost<br>Resistance to wind<br>EN 12210   | <b>C5/B5</b>                     | <b>C4/B4</b>                   | <b>C4/B4</b>   | <b>C4/B4</b>  | <b>C4/B4</b>                             | <b>C3/B3</b>                                 | <b>C5/B5</b>  |
| Buka Rw<br>Airborne sound<br>reduction<br>EN ISO 717-1   | <b>38 dB</b>                     |                                |  |   |  |  |   |
| Protuprovalnost<br>Protection against<br>burglary<br>EN 1627   | <b>RC2, RC3</b>                  | <b>RC2</b>                     |  |   | <b>RC2</b>                               |  |   |
| Otpornost na<br>istezanje, torziju...<br>Resistance at<br>strain, torsion...   | <b>+</b>                         |                                |  |   | <b>+</b>                                 |  |   |
| Pendtl test<br>Impact resistance<br>test<br>EN 13049   | <b>4</b>                         |                                |  |   |  |  |   |
| Toplinska provodljivost prozora, u skladu s EN ISO 10077-1, je <b>U<sub>w</sub>=1.4 [W/m<sup>2</sup>K]</b><br>Thermal conductivity windows, in accordant with EN ISO 10077-1, je <b>U<sub>w</sub>=1.4 [W/m<sup>2</sup>K]</b> |                                  |                                |  |   |  |  |   |

|   |   | Uf1<br>W/m2K               | Uf2<br>W/m2K               | Uf3<br>W/m2K               | Uf4<br>W/m2K               | Uf5<br>W/m2K               | Uf6<br>W/m2K               | Uf7<br>W/m2K               | Ug<br>W/m2K | Uw<br>W/m2K |
|---|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-------------|-------------|
|    | -fiksno<br>-fixed filed<br><br>(1230x1480)  | <b>2.1</b><br>* <b>2.7</b> |                            |                            |                            |                            |                            |                            | 0,7         | ≥1.1        |
|   |   |                            |                            |                            |                            |                            |                            |                            |             | * ≥1,2      |
|   |   |                            |                            |                            |                            |                            |                            |                            | 1,1         | ≥1,4        |
|   |   |                            |                            |                            |                            |                            |                            |                            |             | * ≥1,5      |
|    | -otkl.-zao.s<br>fiks. dijelom<br>-tilt & turn<br>with fixed field<br><br>(1600x1480)                                | <b>2.1</b><br>* <b>2.7</b> | <b>2.5</b><br>* <b>2.9</b> | <b>2.4</b><br>* <b>2.7</b> |                            |                            |                            |                            | 0,7         | ≥1.3        |
|   |   |                            |                            |                            |                            |                            |                            |                            |             | * ≥1.4      |
|   |   |                            |                            |                            |                            |                            |                            |                            | 1,1         | ≥1.6        |
|   |   |                            |                            |                            |                            |                            |                            |                            |             | * ≥1.7      |
|    | -otklopno<br>-zaokretno<br>- tilt & turn<br>window<br><br>(1230x1480)   |                            | <b>2.5</b><br>* <b>2.9</b> |                            |                            |                            |                            |                            | 0,7         | ≥1.4        |
|   |   |                            |                            |                            |                            |                            |                            |                            |             | * ≥1.5      |
|   |   |                            |                            |                            |                            |                            |                            |                            | 1,1         | ≥1.6        |
|   |   |                            |                            |                            |                            |                            |                            |                            |             | * ≥1.8      |
|   | -dvokrilno<br>otklopno<br>-zaokretno<br>-double sash<br>tilt & turn<br>window<br><br>(1600x1480)                    |                            | <b>2.5</b><br>* <b>2.9</b> |                            | <b>2.7</b><br>* <b>2.9</b> |                            |                            |                            | 0,7         | ≥1.5        |
|   |   |                            |                            |                            |                            |                            |                            |                            |             | * ≥1.6      |
|   |   |                            |                            |                            |                            |                            |                            |                            | 1,1         | ≥1.7        |
|   |   |                            |                            |                            |                            |                            |                            |                            |             | * ≥1.9      |
|  | -dvokrilno otkl.<br>-zaok. s<br>nadsvijetlom<br>-double sash<br>tilt & turn with<br>overhead op.<br><br>(1600x1980) |                            | <b>2.5</b><br>* <b>2.9</b> |                            | <b>2.7</b><br>* <b>2.9</b> | <b>2.5</b><br>* <b>2.8</b> |                            |                            | 0,7         | ≥1.5        |
|   |   |                            |                            |                            |                            |                            |                            |                            |             | * ≥1.7      |
|   |   |                            |                            |                            |                            |                            |                            |                            | 1,1         | ≥1.8        |
|   |   |                            |                            |                            |                            |                            |                            |                            |             | * ≥1.9      |
|  | -balkonska<br>vrata<br>-balcony door<br><br>(1100x2200)   |                            |                            |                            |                            |                            | <b>2.3</b><br>* <b>2.8</b> |                            | 0,7         | ≥1.3        |
|   |   |                            |                            |                            |                            |                            |                            |                            |             | * ≥1.5      |
|   |   |                            |                            |                            |                            |                            |                            |                            | 1,1         | ≥1.6        |
|   |   |                            |                            |                            |                            |                            |                            |                            |             | * ≥1.8      |
|  | -dvokrilna<br>balkonska<br>vrata<br>-double<br>balcony door<br><br>(1600x2200)                                      |                            |                            |                            |                            |                            | <b>2.3</b><br>* <b>2.8</b> | <b>2.4</b><br>* <b>2.9</b> | 0,7         | ≥1.4        |
|   |   |                            |                            |                            |                            |                            |                            |                            |             | * ≥1.6      |
|   |   |                            |                            |                            |                            |                            |                            |                            | 1,1         | ≥1.7        |
|   |   |                            |                            |                            |                            |                            |                            |                            |             | * ≥1.9      |

\* Uf i Uw izračuni bez XPS ispuna u profilima

\* Uf i Uw calculations without XPS isolation in the profiles

Proračun koeficijenta prolaza topline  
Calculation of thermal transmittance

<http://termika.feal.ba/>



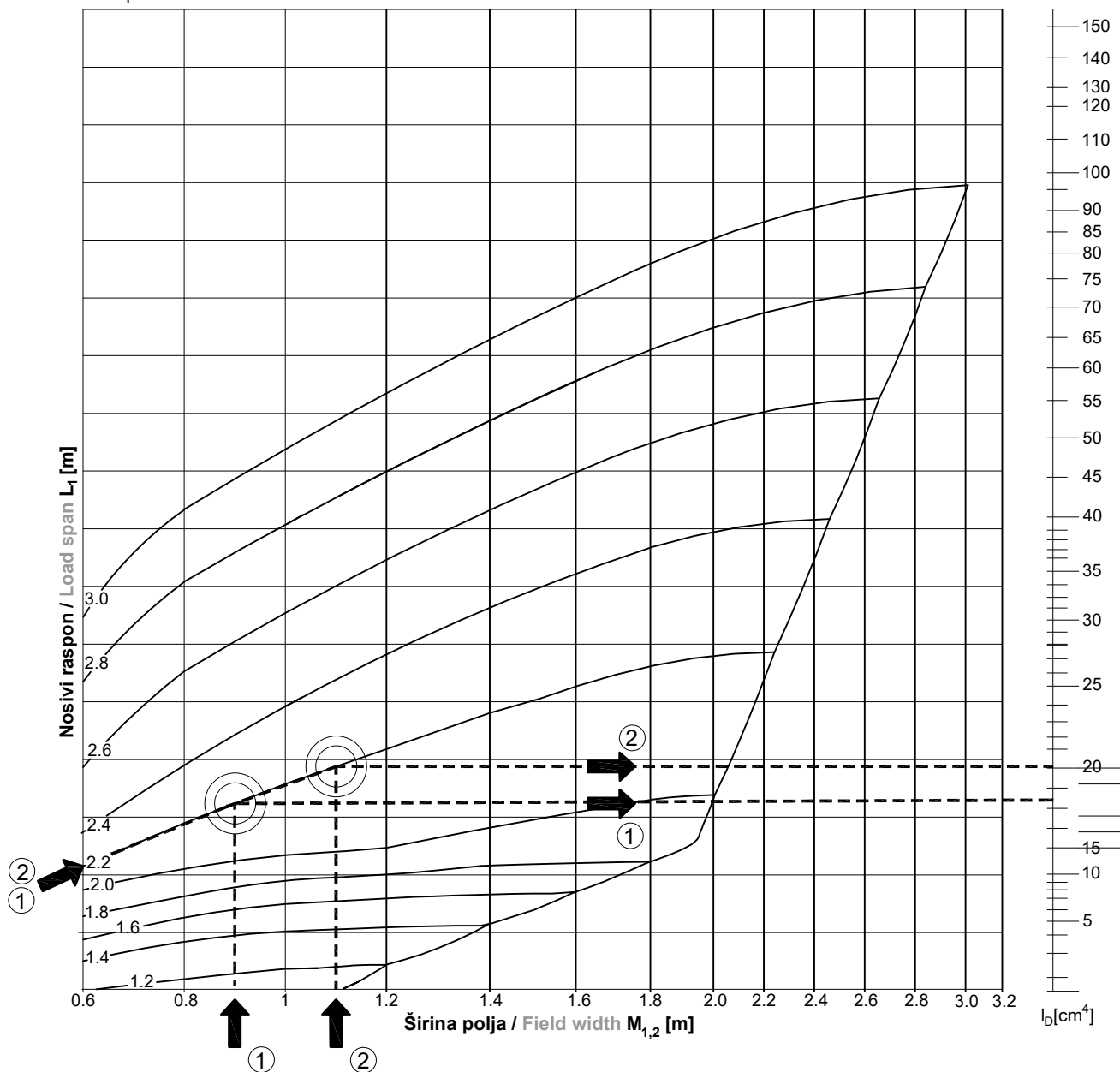
**Statički dijagram -opterećenje vjetrom** **Structural diagram of wind load**  
**Trokutasto i trapezoidno opterećenje** **Triangular and trapezoidal load**

Osnovni uvjeti

Basic assumptions:

Jed. opterećenje 1.0 kN/m<sup>2</sup> Unit load 1.0 kN/m<sup>2</sup>

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:

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

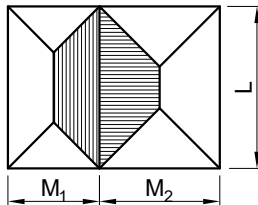
$$M_2 = 1.1 \text{ m}$$

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. $1.0 \text{ kN/m}^2$ Determination of required moment $I_x$ under unit load $1.0 \text{ kN/m}^2$

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: $34 \text{ cm}^4$ Greater absolute value is selected: $34 \text{ cm}^4$

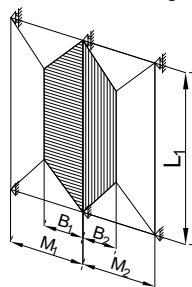
### 5. Odabrati profil iz tablice

Select the profile from the table

## Statičke jednačbe Structural formulas

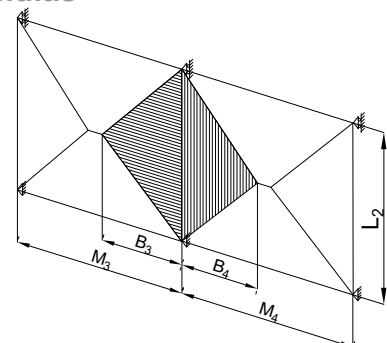
Trapezoidno  
opterećenje

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



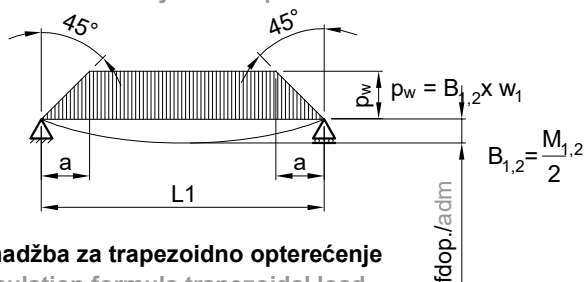
Trokutasto  
opterećenje

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



$I_x$  (cm<sup>4</sup>) = 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/cm<sup>2</sup>) = Tlak vjetra / Wind pressure  
 $w_s$  (kN/cm<sup>2</sup>) = Podtlak vjetra / Wind suction  
 $p_w$  (kN/cm) = Linijsko opterećenje / Line load  
 $E$  (kN/cm<sup>2</sup>) = Modul elastičnosti / Modulus of elasticity  $7 \cdot 10^3$   
 $fdop.$  / adm. (cm) = dopušteni progib / adm. deflection

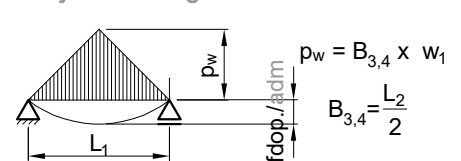
### Statički sistem trapezoidnog opterećenja Structural system trapezoidal load



### Jednadžba za trapezoidno opterećenje Calculation formula trapezoidal load

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

### Statički sistem trokutastog opterećenja Statical system triangular load



### Jednadžba za trokutasto opterećenje Calculation formula triangular load

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

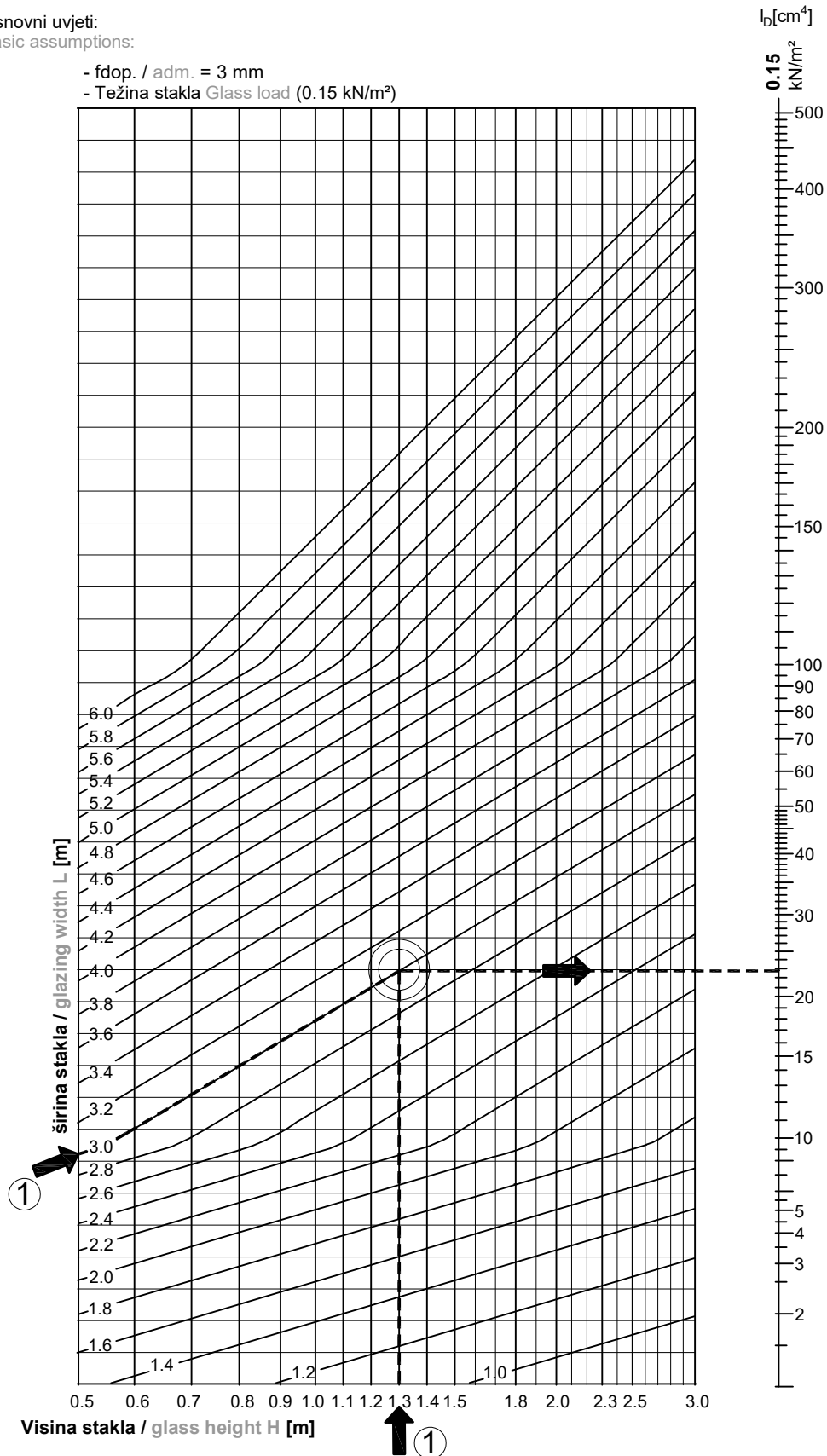


## Statički dijagram Težina stakla Structural diagram glass load

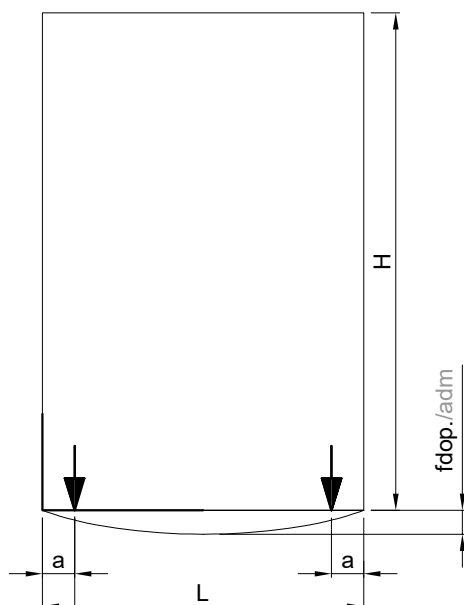
Osnovni uvjeti:

Basic assumptions:

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



## 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/m<sup>2</sup>  
Determination of required moment  $I_y$  under unit load 0.15 kN/m<sup>2</sup>za / for  $q_s$  0.15 kN/m<sup>2</sup> $I_{y0.15} = 23 \text{ cm}^4$  (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 ==&gt;&gt; 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 !

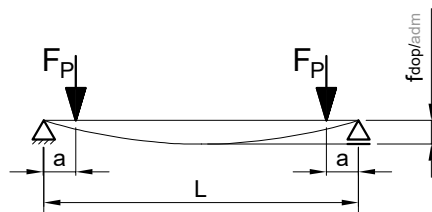
## 4. Odabrati profil iz tablice

Select the profile from the table

## Statičke jednadžbe

## Structural formulas

Nosač na dva oslonca / Beam on 2 supports



a = 150 mm fiksno / fixed

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

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

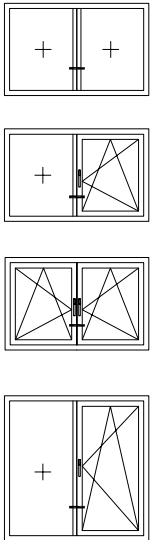
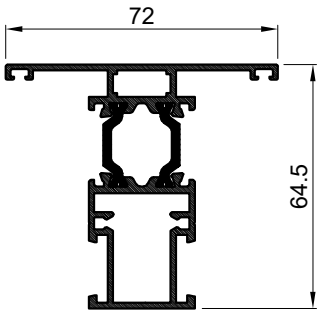
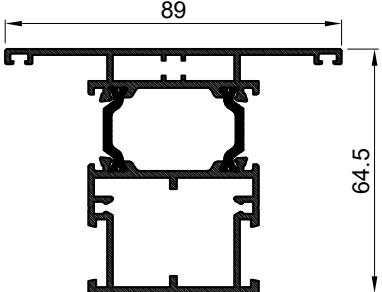
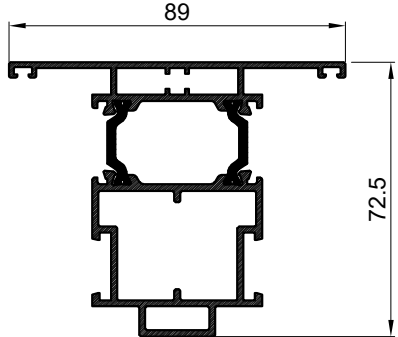
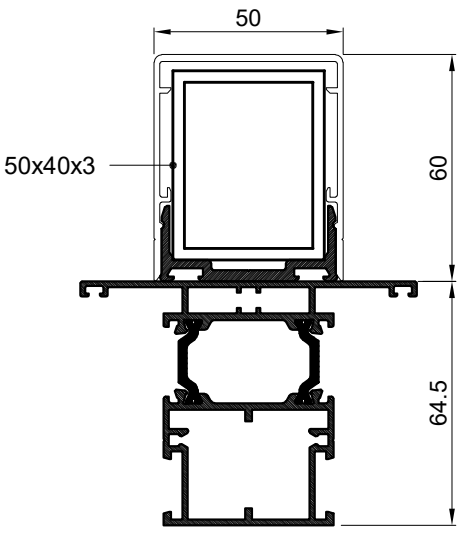
$I_y$  (cm<sup>4</sup>) = Moment inercije / Moment of inertia  
 $F_P$  (kN) = Pojedinačno opterećenje / Single load  
 $a$  (cm) = Udaljenost oslonca / Support distance  
 $H$  (cm) = Visina stakla / Glass height  
 $L$  (cm) = Širina stakla / Glass width  
 $q_s$  (kN/cm<sup>2</sup>) = Težina stakla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

Tablica 1. Težina stakla  
Table 1. Glass weight

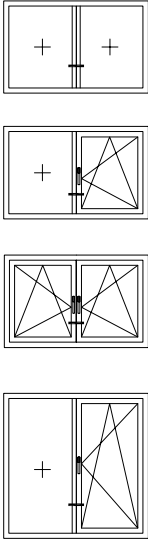
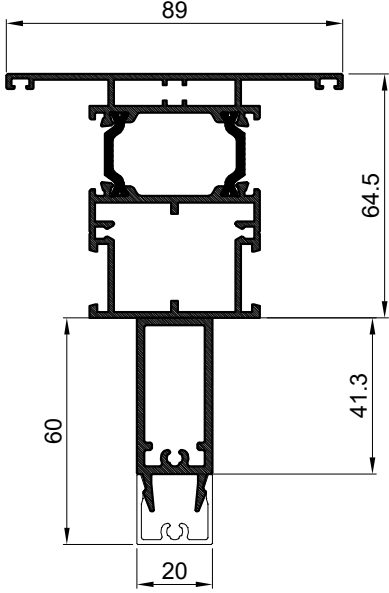
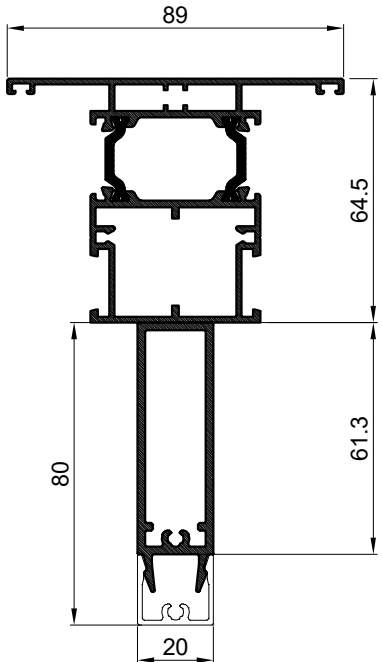
| Koeficijent K<br>Coefficient K              | 1    | 1.33 | 1.66 | 2    | 2.33 | 2.66 | 3    | 3.33 | 3.66 | 4    | 4.33 | 4.66 | 5    | 5.33 | 5.66 | 6    | 6.33 | 6.66 | 7    | 7.33 | 7.66 | 8    |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| kN/m <sup>2</sup>                           | 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 <sup>2</sup>                           | 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<br>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   |



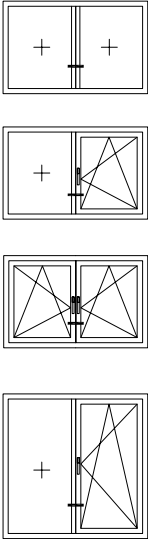
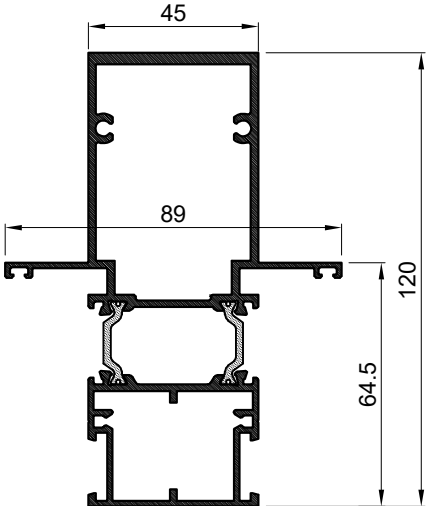
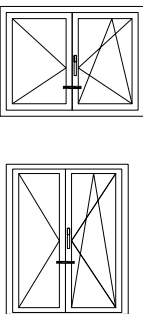
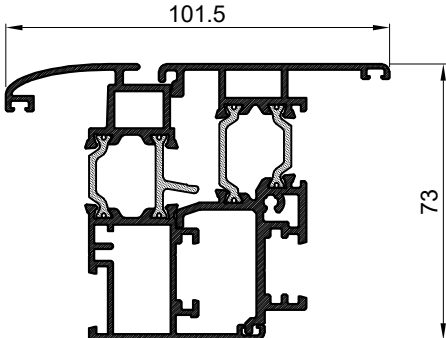
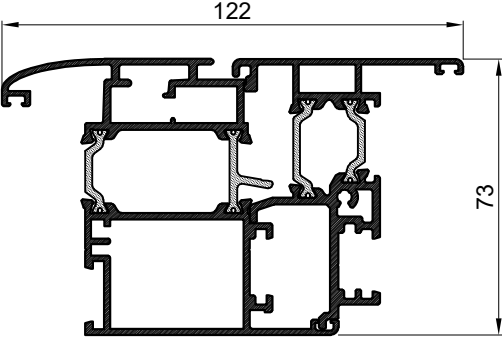
### Vrijednosti momenta inercije Moment of inertia values

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

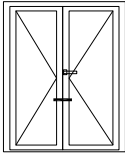
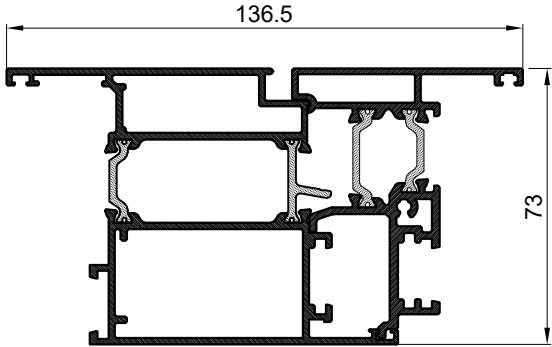
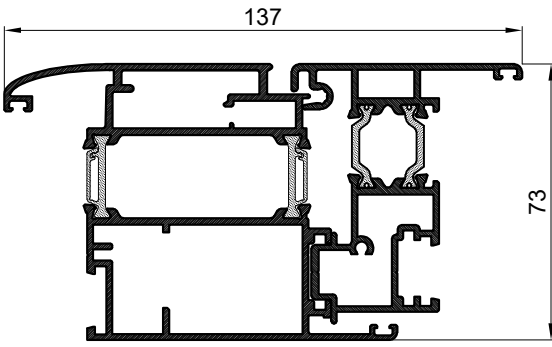
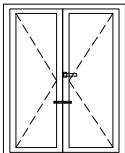
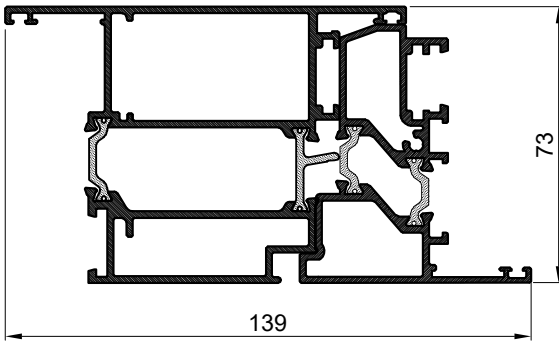
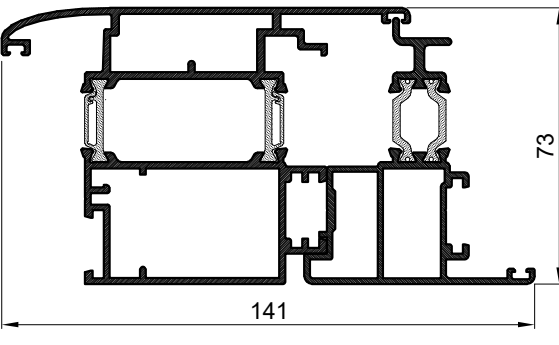
Vrijednosti momenta inercije  
Moment of inertia values

| Tip otvaranja<br>Opening type  | Profili<br>Profiles | Izgled<br>View   | $I_x$<br>(cm <sup>4</sup> ) | $I_y$<br>(cm <sup>4</sup> ) |
|--|---------------------|--|-----------------------------|-----------------------------|
|  | FT-0206+<br>F-1634  |   | 92.47                       | 23.21                       |
|  | FT-0206+<br>NP-4183 |  | 142.36                      | 23.85                       |

Vrijednosti momenta inercije  
Moment of inertia values

| Tip otvaranja<br>Opening type   | Profili<br>Profiles              | Izgled<br>View   | $I_x$<br>(cm <sup>4</sup> ) | $I_y$<br>(cm <sup>4</sup> ) |
|---|----------------------------------|--|-----------------------------|-----------------------------|
|    | <b>FT-0209</b>                   |    | 108.01                      | 34.73                       |
|  | <b>FT-0286<br/>+<br/>FT-0203</b> |  | 43.12                       | 43.94                       |
|   | <b>FT-0286<br/>+<br/>FT-0204</b> |  | 52.84                       | 87.96                       |

Vrijednosti momenta inercije  
Moment of inertia values

| Tip otvaranja<br>Opening type   | Profili<br>Profiles       | Izgled<br>View   | $I_x$<br>(cm <sup>4</sup> ) | $I_y$<br>(cm <sup>4</sup> ) |
|---|---------------------------|--|-----------------------------|-----------------------------|
|    | FT-0277<br>+<br>FT-0275   |    | 58.27                       | 123.08                      |
|   | FT-0211-A<br>+<br>FT-0218 |   | 61.57                       | 130.6                       |
|  | FT-0281<br>+<br>FT-0279   |  | 62.43                       | 134.06                      |
|   | FT-0213-A<br>+<br>FT-0219 |  | 60.37                       | 141.85                      |

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

Grupa A - profili krila za prozore

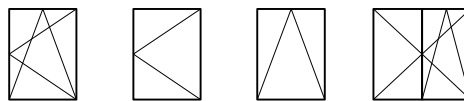
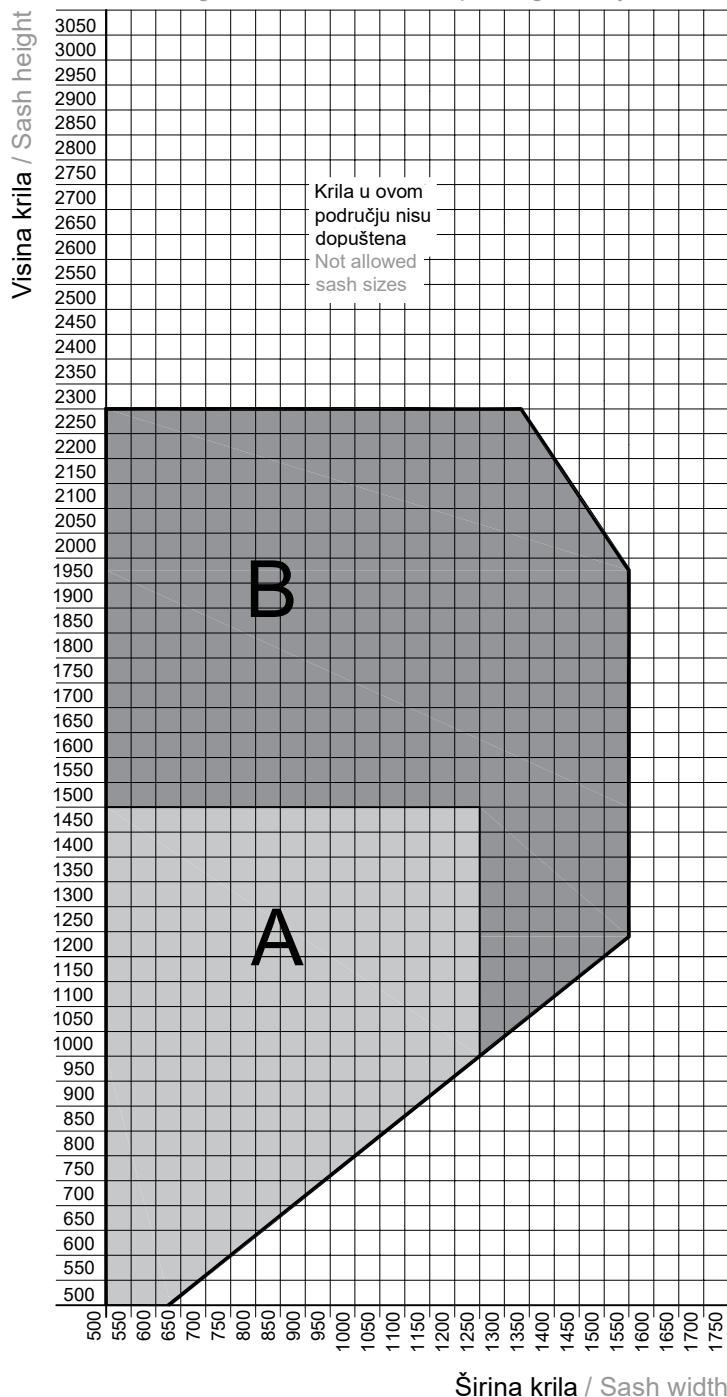
Grupa B - profili krila za prozore i balkonska vrata

Group A - sash profiles for windows

Group B - sash profiles for windows and balcony doors

Dijagram veličina krila ovisan o geometriji profila krila

Sash size diagram based on the sash profile geometry



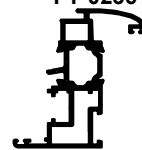
### Grupa A

A ≤ 90 kg

FT-0203



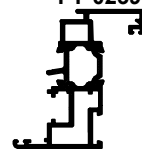
FT-0236



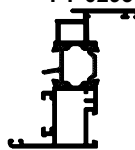
FT-0221



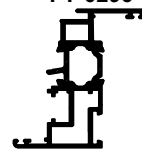
FT-0239



FT-0295



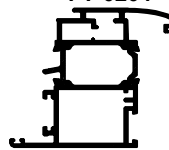
FT-0296



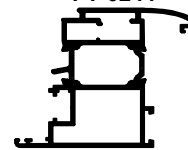
### Grupa B

B ≤ 180 kg

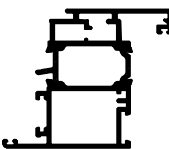
FT-0204



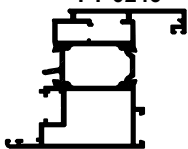
FT-0244



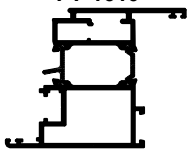
FT-0230



FT-0246

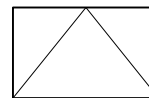
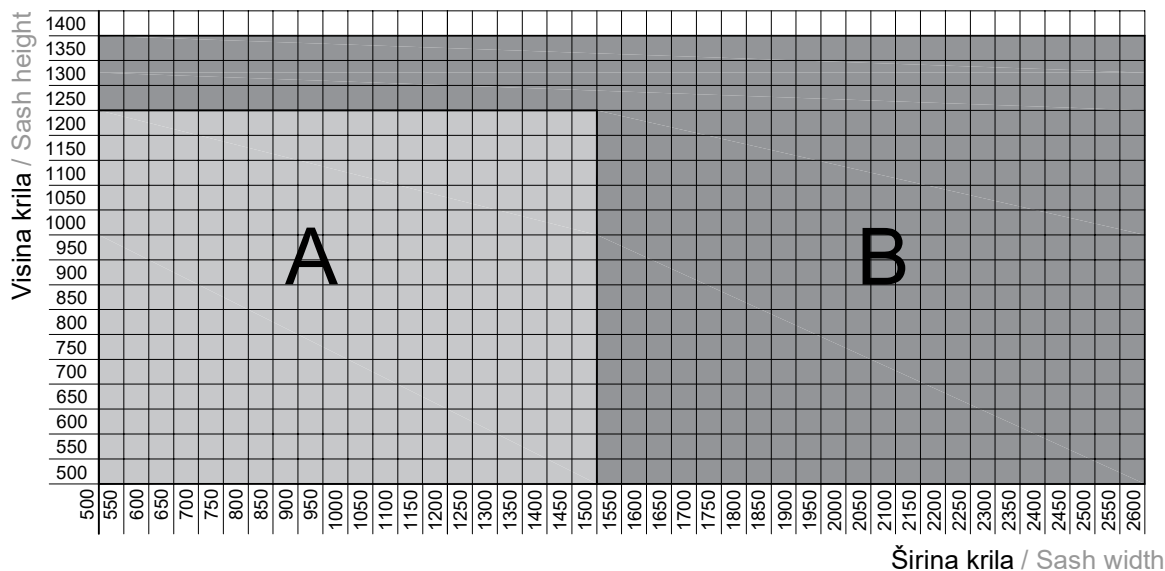


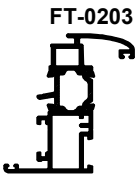
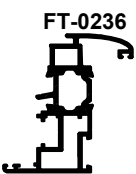
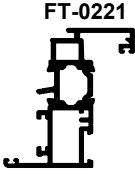
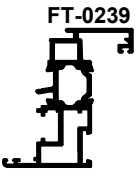
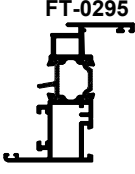
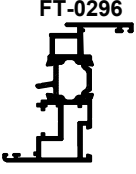
FT-1610

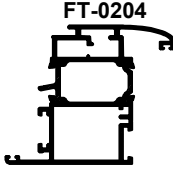
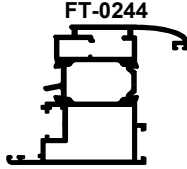
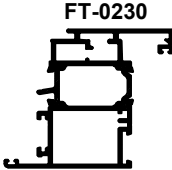
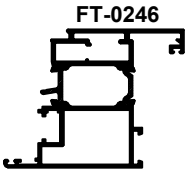
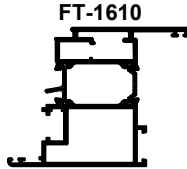


Prije konačnog odabira profila i dimenzija krila uzeti u obzir i ograničenja primjene okova prema preporuci proizvođača okova. Za izradu krila čije dimenzije se nalaze van graničnih dimenzija u dijagramu, staklo obavezno zalijepiti za profil krila (preporuke za lijepljenje /Knjiga B/ str. xxx.xx.xxx).

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

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

| Grupa A  |  |
|--|--|
| A ≤ 90 kg  |  |
| <br>FT-0203 | <br>FT-0236 |
| <br>FT-0221 | <br>FT-0239 |
| <br>FT-0295 | <br>FT-0296 |

| Grupa B   |  |
|---|--|
| B ≤ 170 kg  |  |
| <br>FT-0204 | <br>FT-0244 |
| <br>FT-0230 | <br>FT-0246 |
|   | <br>FT-1610 |



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

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



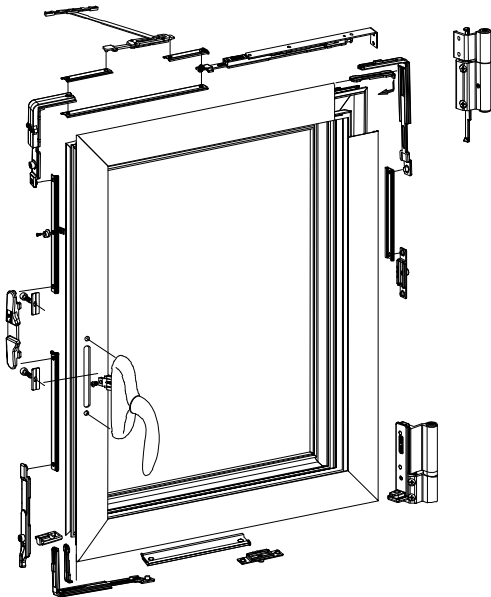
## 134.000.xx - OTKLOPNO-ZAKRETNI MEHANIZAM - STUBLINA (4035)

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

Maksimalna težina krila 100 kg  
Maximum sash weight 100 kg

Tabela nosivosti za:  
Table of loads:

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

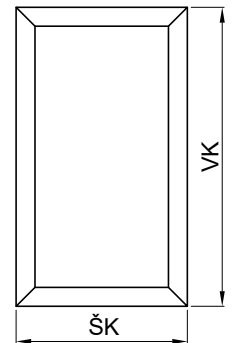


Debljina stakla (mm)

Glass thickness (mm)

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

**x** Neizvedivo / Unfeasible



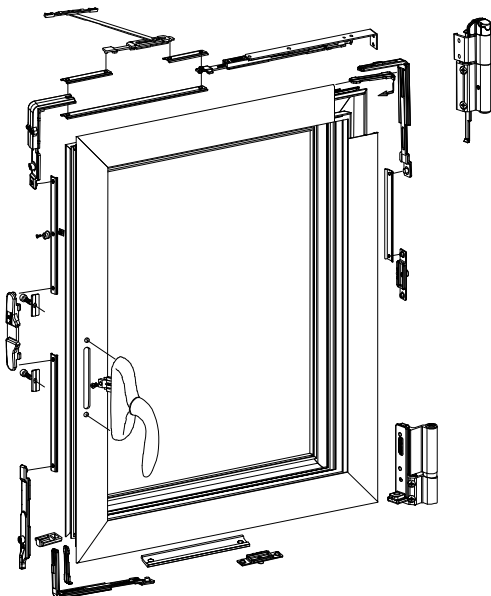
Debljina stakla  
Glass thickness

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

Maksimalna težina krila 130 kg  
Maximum sash weight 130 kg

Tabela nosivosti za:  
Table of loads:

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



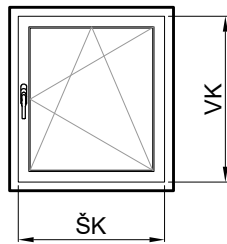
Debljina stakla (mm)

Glass thickness (mm)

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

**x** Neizvedivo / Unfeasible

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



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

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

|     |  |     |     |     |     |     |      |      |      |      |      |      |      |      |      |   |
|-----|--|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|---|
|     | 3000                                       | 130 | 130 | 130 | 130 | 130 | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | x |
|     | 2900                                       | 130 | 130 | 130 | 130 | 130 | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  |   |
|     | 2800                                       | 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  |   |
|     | 2600                                       | 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  | 130  |   |
|     | 2400                                       | 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  | 130  |   |
|     | 2200                                       | 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  | 130  |   |
|     | 2000                                       | 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  | 132  | 118  |   |
|     | 1800                                       | 140 | 140 | 140 | 140 | 140 | 140  | 140  | 140  | 140  | 140  | 140  | 133  | 125  | 112  |   |
|     | 1700                                       | 140 | 140 | 140 | 140 | 140 | 140  | 140  | 140  | 140  | 140  | 134  | 126  | 118  | 118  |   |
|     | 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  | 128  | 118  | 110  | 103  | 96   | x    | 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    |   |
| 600 | V <sub>k</sub> (mm)<br>S <sub>k</sub> (mm) | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 |   |

350

☒ **Neizvedivo / Unfeasible**

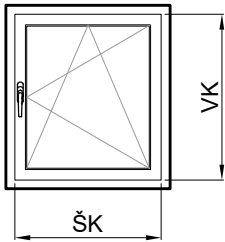
Maksimalna debljina stakla (mm)  
Maximum glass thickness (mm)

|                  |      |     |     |     |     |      |      |      |      |      |      |      |      |      |    |
|------------------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|----|
| 600              | 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)<br>Sk(mm) | 500  | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 |    |

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**X** Neizvedivo / Unfeasible

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



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

[illegible]

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

|      |                  |     |     |     |     |     |      |      |      |      |      |      |      |
|------|------------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| 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   |      |      |
| 2500 | 43               | 35  | 30  | 27  | 24  | 21  | 19   | 18   | 16   | 15   | 14   | 13   |      |
| 2400 | 43               | 35  | 30  | 27  | 24  | 21  | 19   | 18   | 16   | 15   | 14   | 13   |      |
| 2300 | 44               | 37  | 32  | 28  | 25  | 22  | 20   | 18   | 17   | 16   | 15   | 14   |      |
| 2200 | 46               | 39  | 33  | 29  | 26  | 23  | 21   | 19   | 18   | 17   | 15   | 14   |      |
| 2100 | 49               | 40  | 35  | 30  | 27  | 24  | 22   | 20   | 19   | 17   | 16   | 15   |      |
| 2000 | 51               | 43  | 36  | 32  | 28  | 26  | 23   | 21   | 20   | 18   | 17   | 16   |      |
| 1900 | 54               | 45  | 38  | 34  | 30  | 27  | 24   | 22   | 21   | 19   | 18   | 17   |      |
| 1800 | 57               | 47  | 40  | 35  | 31  | 28  | 26   | 24   | 22   | 20   | 19   | 18   |      |
| 1700 | 60               | 50  | 43  | 38  | 33  | 30  | 27   | 25   | 23   | 21   | 20   | 18   |      |
| 1600 | 60               | 53  | 46  | 40  | 35  | 32  | 29   | 27   | 25   | 23   | 21   | 18   |      |
| 1500 | 60               | 57  | 49  | 43  | 38  | 34  | 31   | 28   | 26   | 24   | 21   | 18   |      |
| 1400 | 60               | 60  | 52  | 46  | 40  | 36  | 33   | 30   | 28   | 24   | 21   | 18   |      |
| 1300 | 60               | 60  | 56  | 49  | 44  | 39  | 36   | 33   | 28   | 24   | 21   | 18   |      |
| 1200 | 60               | 60  | 60  | 53  | 47  | 43  | 39   | 33   | 28   | 24   | 21   | x    |      |
| 1100 | 60               | 60  | 60  | 58  | 52  | 46  | 39   | 33   | 28   | 24   | x    | x    |      |
| 1000 | 60               | 60  | 60  | 60  | 57  | 47  | 39   | 33   | 28   | x    | x    | x    |      |
| 900  | 60               | 60  | 60  | 60  | 58  | 47  | 39   | 33   | x    | x    | x    | x    |      |
| 800  | 60               | 60  | 60  | 60  | 58  | 47  | 39   | x    | x    | x    | x    | x    |      |
| 700  | 60               | 60  | 60  | 60  | 58  | 47  | x    | x    | x    | x    | x    | x    |      |
| 600  | V(kmm)<br>5(kmm) | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 |

470

x Neizvedivo / Unfeasible

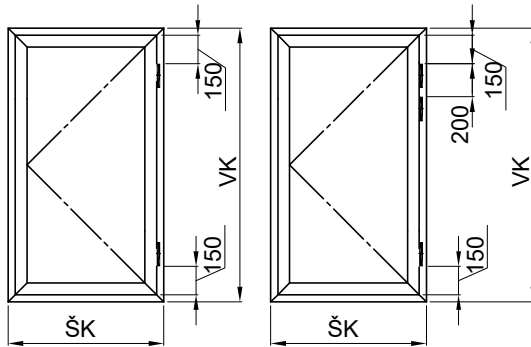
| Maksimalna težina krila (kg)<br>Maximum sash weight (kg) |                  |     |     |     |     |     |      |      |      |      |      |      |      |
|--|------------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| 2800   | 124              | 124 | 124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

470

x

Neizvedivo / Unfeasible

### - TABLICE NOSIVOSTI SPOJNICA - TABLE OF LOADS FOR HINGES

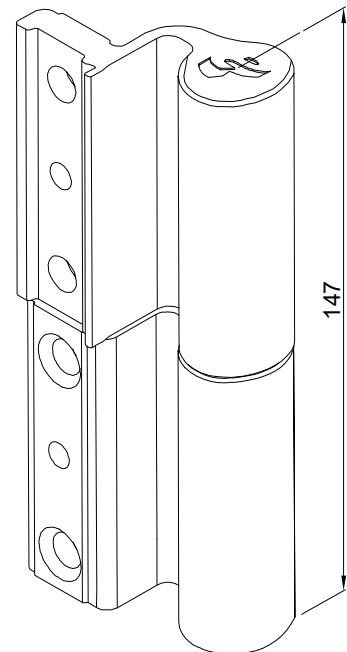


Napomena: Ukoliko se ugrade tri spojnice po preporuci, nosivost se uvećava za 10%.  
Note: If three hinges are used as recommended, the load capability is increased 10%

Tablica nosivosti spojnice 114.001.xx (Stublina)

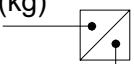
Table of loads for hinges 114.001.xx (Stublina)

|          |        |        |        |        |        |        |        |        |        |       |       |       |       |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 2800     | 90/100 | 90/100 | 90/100 | 90/100 | 90/100 | 90/100 | 90/100 | 90/100 | 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 | 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<br>ŠK | 700    | 800    | 900    | 1000   | 1100   | 1200   | 1300   | 1400   | 1500   | 1600  | 1700  | 1800  |       |



114.001.xx

A (kg)



B (kg)

A - javna upotreba sa dvije spojnice

A - public use with two hinges

B - privatna upotreba sa dvije spojnice

B - private use with two hinge

- TABLICE NOSIVOSTI ŠARKI  
- TABLE OF LOADS FOR HINGES

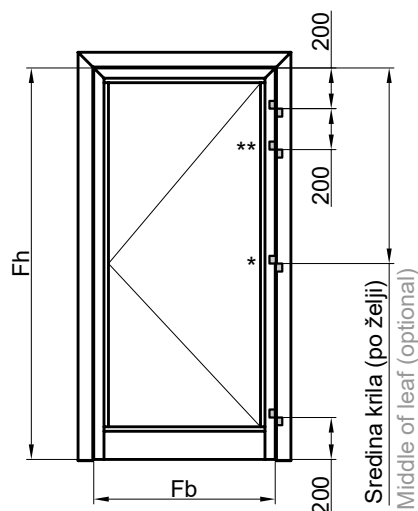
| Oznaka<br>Code         | Izgled-presjek<br>View-cross section   | Opis<br>Description  | Nosivost<br>Load                 |                     |
|------------------------|--|--|----------------------------------|---------------------|
|                        |  |  | 2 šarke<br>2 hinges          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

- TABLICE NOSIVOSTI ŠARKI  
- TABLE OF LOADS FOR HINGES

| Oznaka<br>Code         | Izgled-presjek<br>View-cross section   | Opis<br>Description  | Nosivost<br>Load<br>(2 šarke 2 hinges) |
|------------------------|--|--|--|
| 113.008.01<br>02<br>03 |   | <ul style="list-style-type: none"> <li>- Dvodijelna šarka OSNO 60</li> <li>- Oznaka proizvođača ALU-B: Max3D 60</li> <li>- Boje: 01- bijela; 02 - siva; 03 - crna</li> <li>- Two-part hinge AXIS 60</li> <li>- Manufacturer code ALU-B: Max3D 60</li> <li>- Color: 01- white; 02 - gray; 03 - black</li> </ul> | 120 kg                                 |
| 113.009.01<br>02<br>03 |   | <ul style="list-style-type: none"> <li>- Dvodijelna šarka OSNO 68</li> <li>- Oznaka proizvođača ALU-B: Max3D 68</li> <li>- Boje: 01- bijela; 02 - siva; 03 - crna</li> <li>- Two-part hinge AXIS 68</li> <li>- Manufacturer code ALU-B: Max3D 68</li> <li>- Color: 01- white; 02 - gray; 03 - black</li> </ul> | 120 kg                                 |
| 113.011.01<br>02<br>03 |  | <ul style="list-style-type: none"> <li>- Dvodijelna šarka OSNO 94</li> <li>- Oznaka proizvođača ALU-B: Max3D 94</li> <li>- Boje: 01- bijela; 02 - siva; 03 - crna</li> <li>- Two-part hinge AXIS 94</li> <li>- Manufacturer code ALU-B: Max3D 94</li> <li>- Color: 01- white; 02 - gray; 03 - black</li> </ul> | 120 kg                                 |

## Preporuke za ugradnju šarki

## Recommendations for montage of the hinges

Fh = Visina krila  
Leaf heightFb = Širina krila  
Leaf width

## EN 1935:2002 Annex E

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

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

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

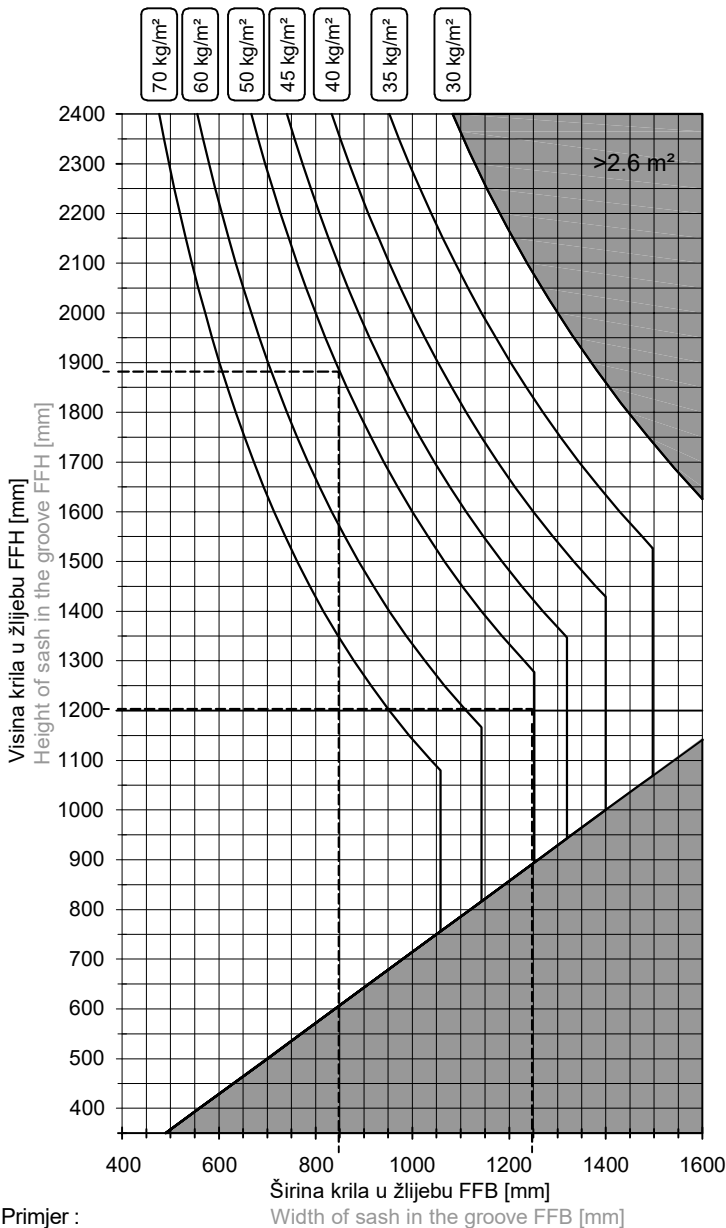
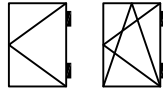
Door closers increase the loading on door hinges and their rate of wear. For door closers without backcheck the effective door mass is 20 % greater than the actual door mass. For back-check closers the effective door mass is calculated to be 75% greater.

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

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

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

Težine ispune



Primjer :

Težina krila = 50 kg/m<sup>2</sup>

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/m<sup>2</sup>

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.

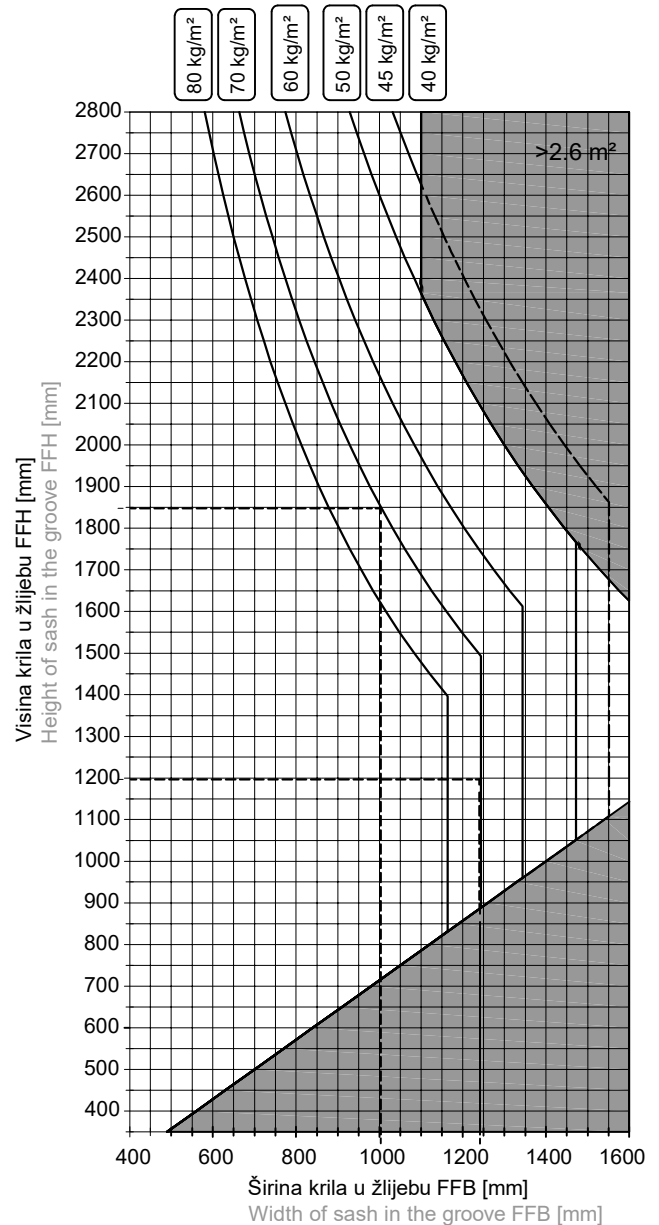
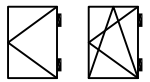
Remark

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/m<sup>2</sup>

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/m<sup>2</sup>

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.

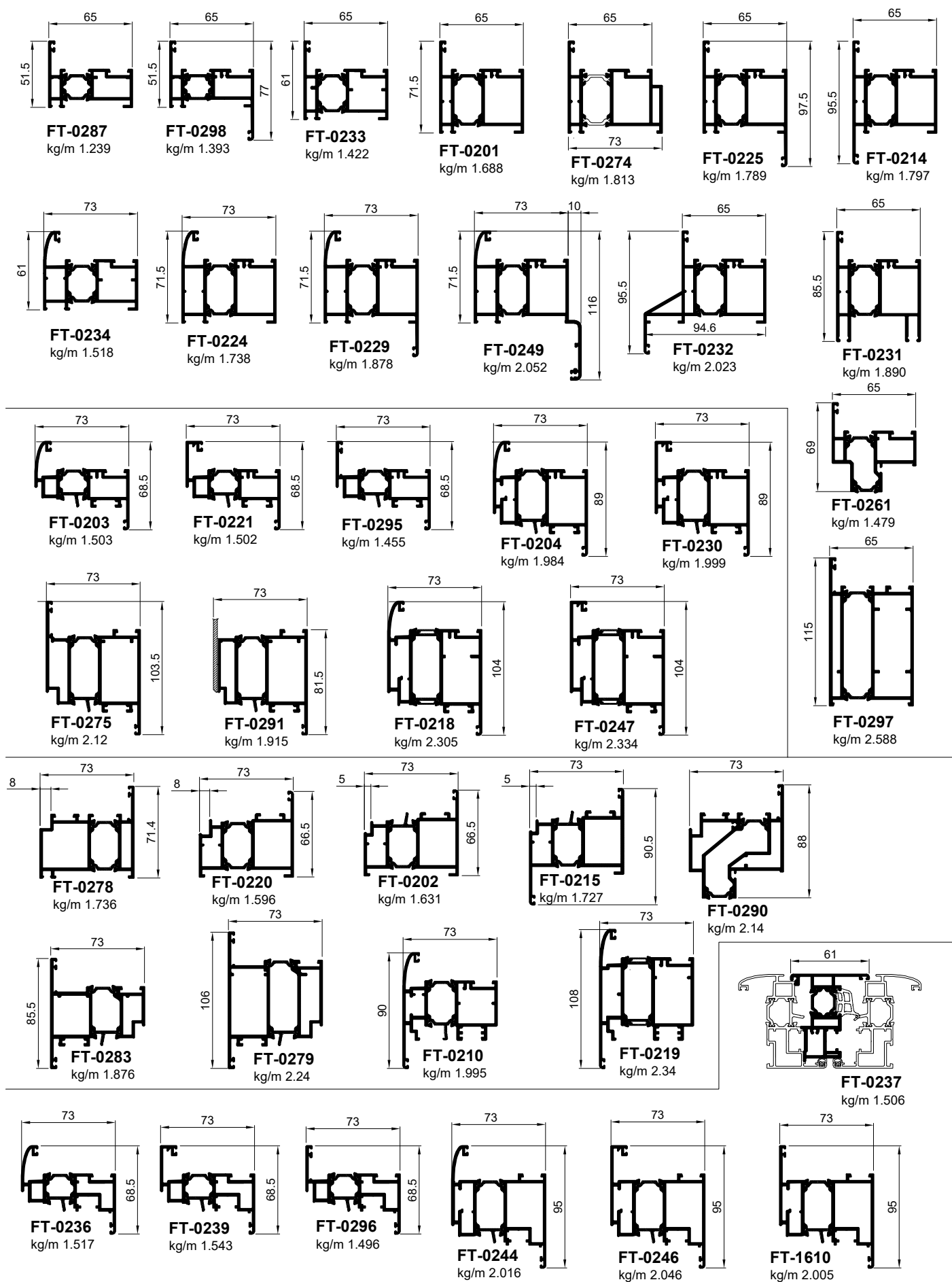
The unauthorized dimensions are gray dimmed. This application diagram is valid only in conjunction with the accompanying drawing 0-44708.

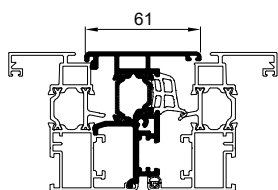




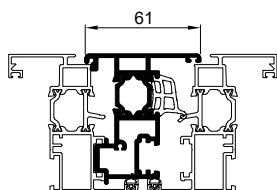
# Profili Profiles



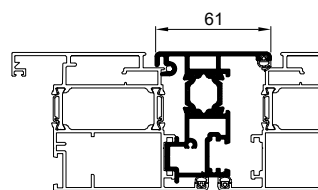




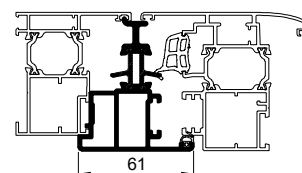
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kg/m 1.417



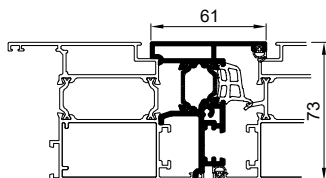
**FT-0211**  
kg/m 1.478



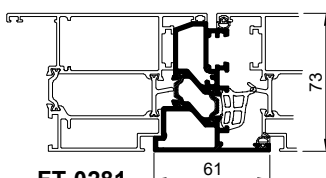
**FT-0211-A**  
kg/m 1.492



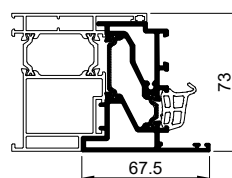
**FT-0213**  
kg/m 1.339



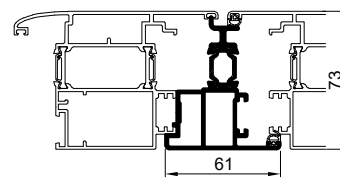
**FT-0277**  
kg/m 1.451



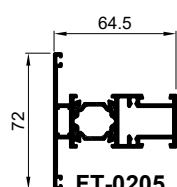
**FT-0281**  
kg/m 1.508



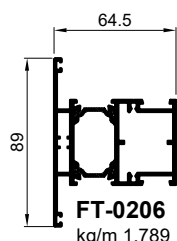
**FT-0280**  
kg/m 1.683



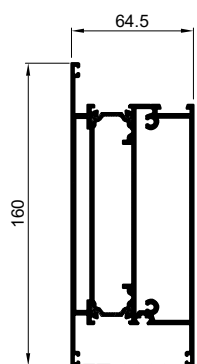
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kg/m 1.293



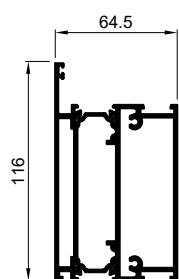
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kg/m 1.452



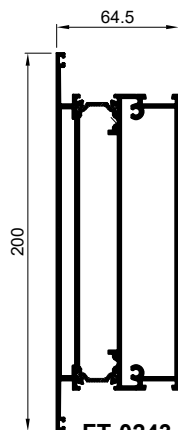
**FT-0206**  
kg/m 1.789



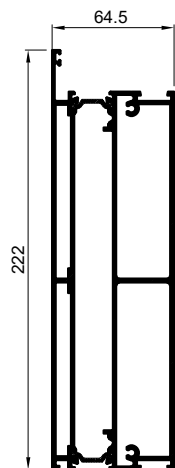
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kg/m 3.497



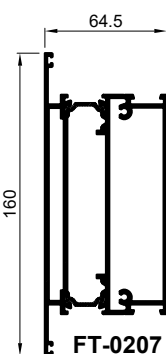
**FT-0265**  
kg/m 2.769



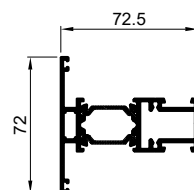
**FT-0243**  
kg/m 4.239



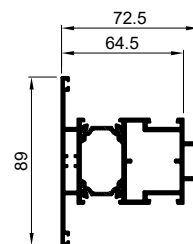
**FT-0264**  
kg/m 5.353



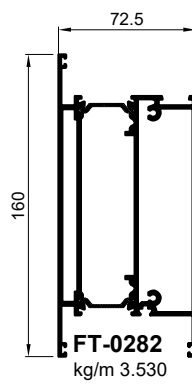
**FT-0207**  
kg/m 3.437



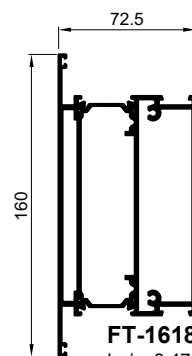
**FT-0284**  
kg/m 1.450



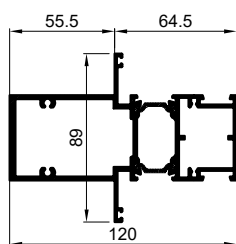
**FT-0276**  
kg/m 1.876



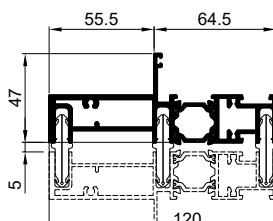
**FT-0282**  
kg/m 3.530



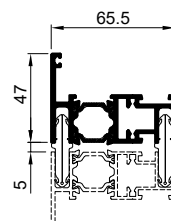
**FT-1618**  
kg/m 3.479



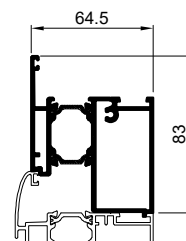
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kg/m 2.711



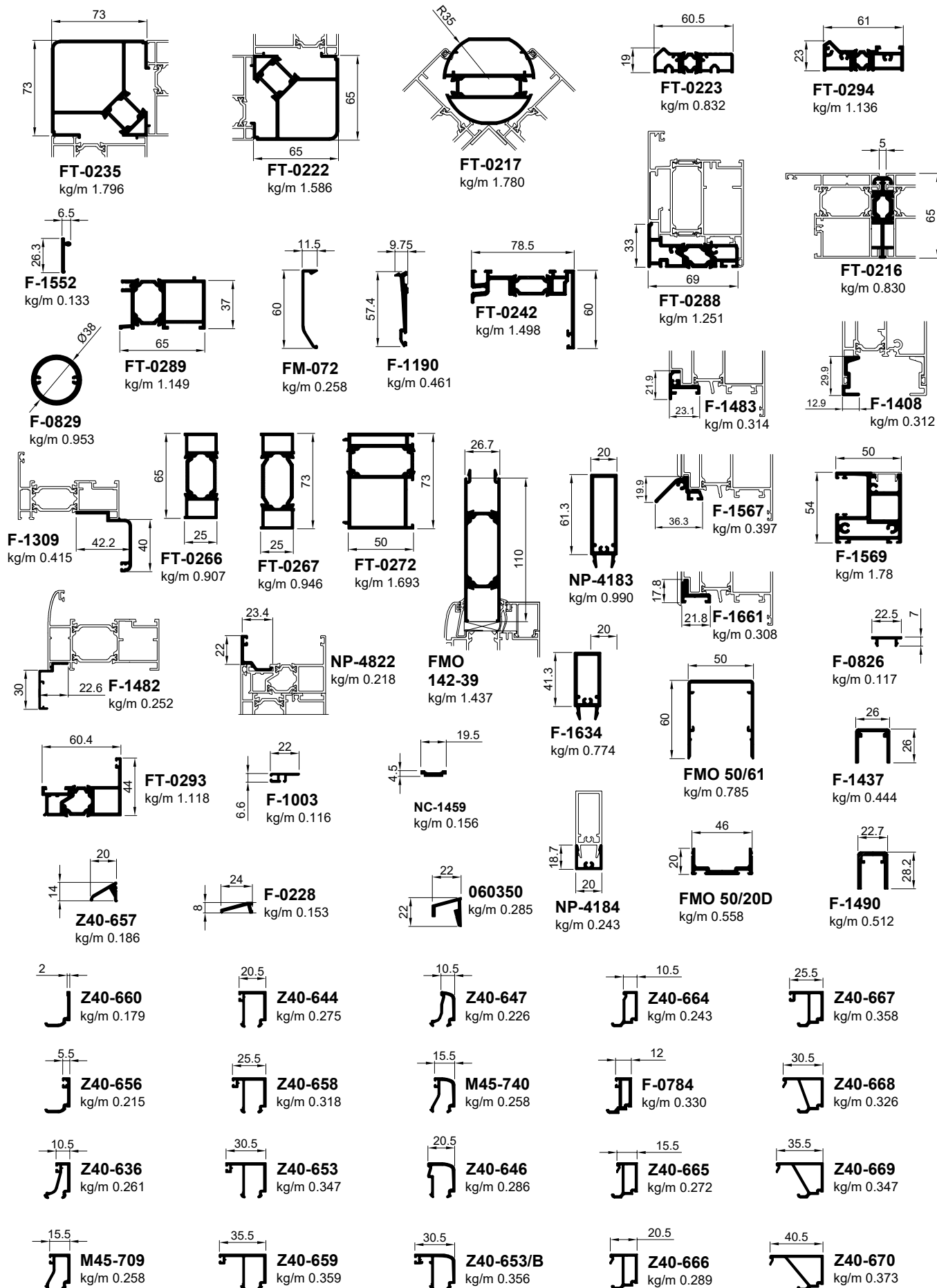
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kg/m 2.027



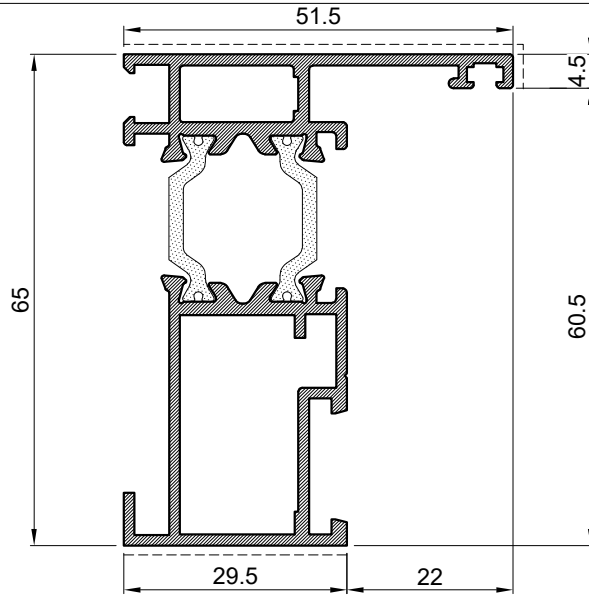
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kg/m 1.311



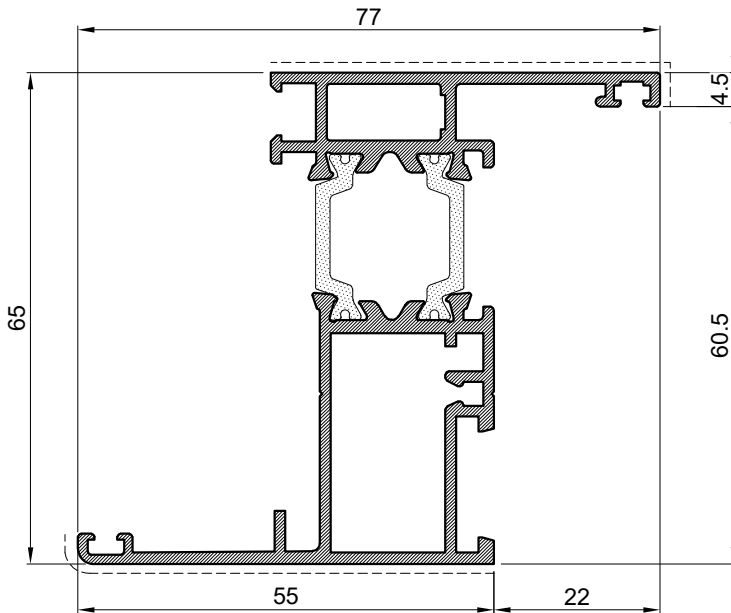
**FT-0228**  
kg/m 1.707



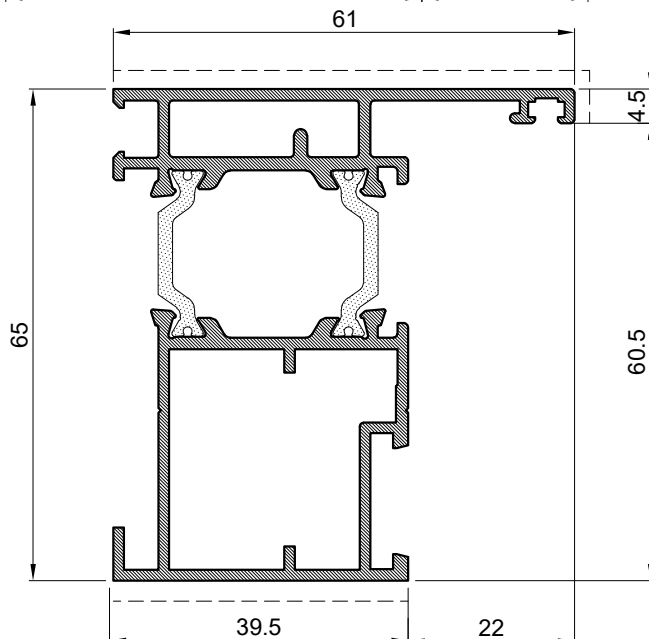




| Profil rama Profile frame                  |                |       |
|--|----------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0287</b> |       |
| Težina<br>Weight                           | kg/m           | 1.239 |
| Opseg<br>Perimeter                         | mm     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

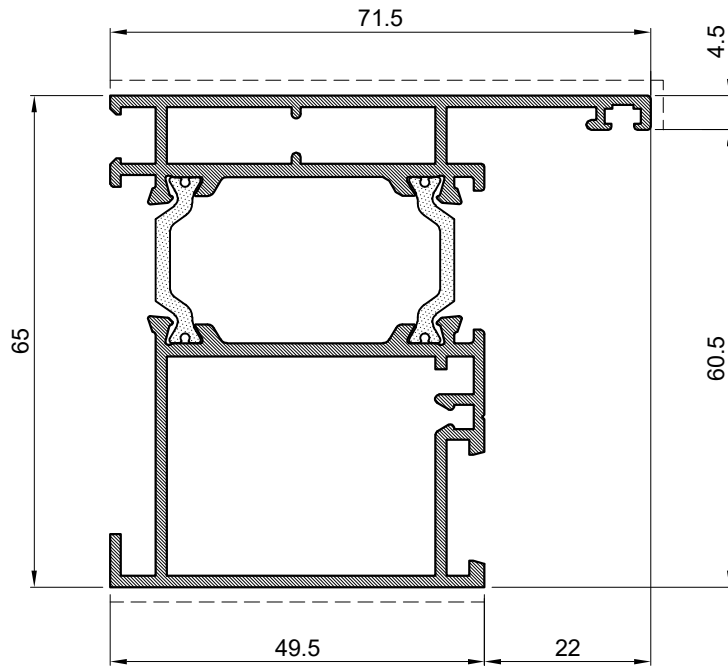


| Profil rama Profile frame                  |                |       |
|--|----------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0298</b> |       |
| Težina<br>Weight                           | kg/m           | 1.393 |
| Opseg<br>Perimeter                         | mm     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

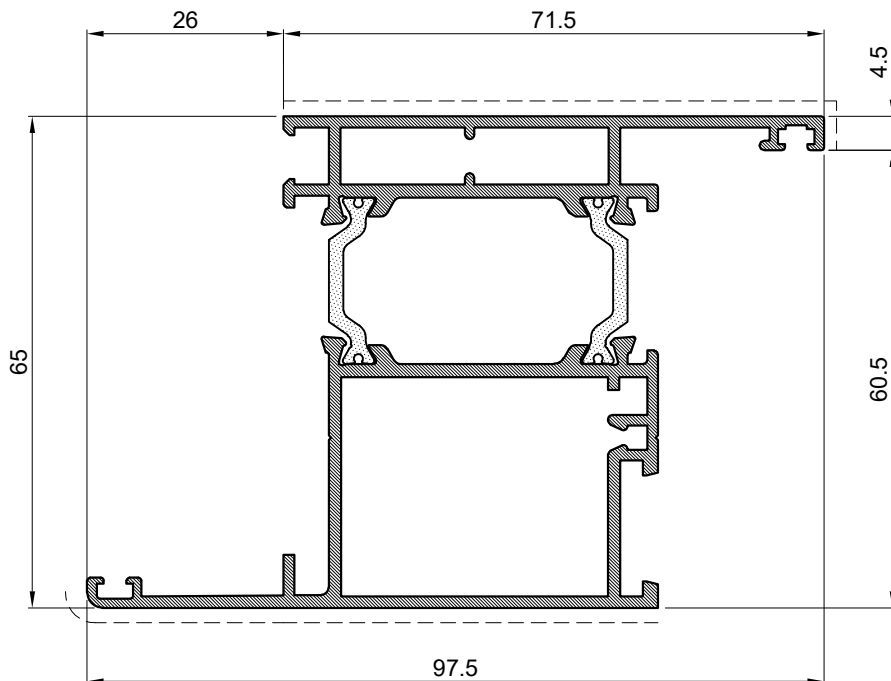


| Profil rama Profile frame                  |                |       |
|--|----------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0233</b> |       |
| Težina<br>Weight                           | kg/m           | 1.422 |
| Opseg<br>Perimeter                         | mm     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

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



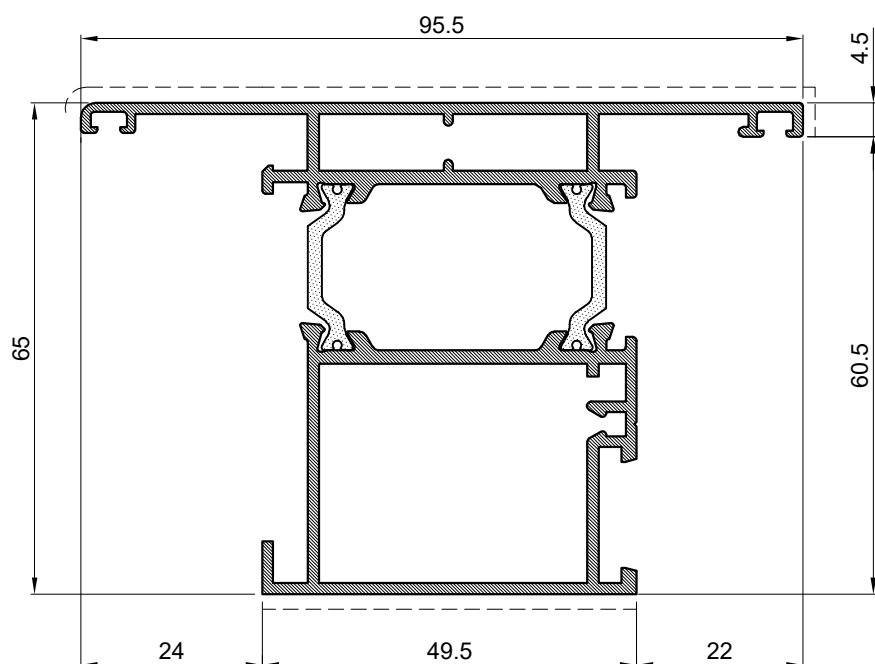
| Profil rama Profile frame                  |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0201</b>                       |       |
| Težina<br>Weight                           | kg/m                                 | 1.688 |
| Opseg<br>Perimeter                         | mm                                   | 371   |
| Moment<br>inerције<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 22.59 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 18.71 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 8     |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 4.41  |
| L  | mm                                   | 6500  |



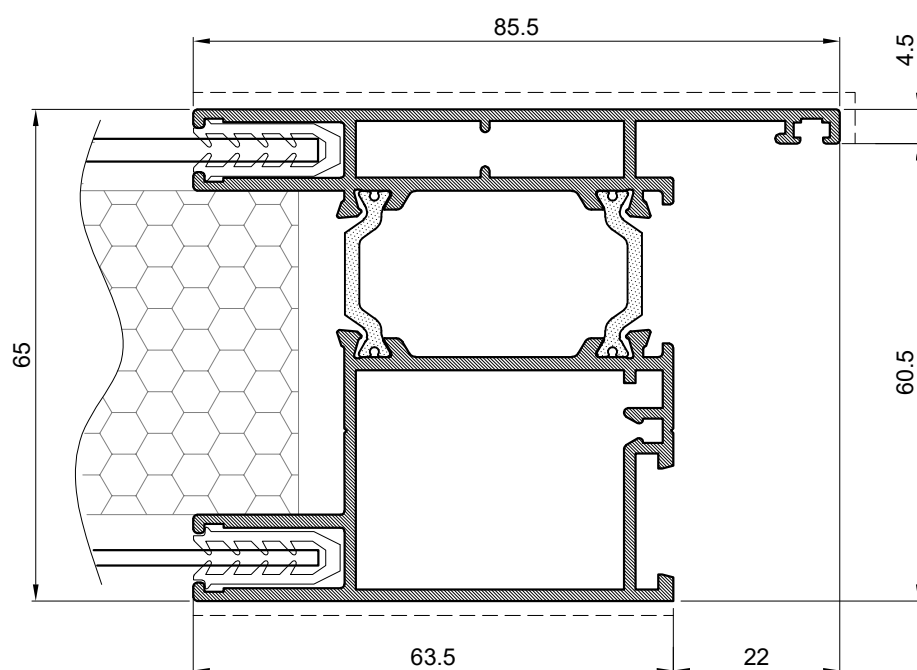
| Profil rama Profile frame                  |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0225</b>                       |       |
| Težina<br>Weight                           | kg/m                                 | 1.789 |
| Opseg<br>Perimeter                         | mm                                   | 433   |
| Moment<br>inercije<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 27.03 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 26.92 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 10.4  |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 5.2   |
| L  | mm                                   | 6500  |

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



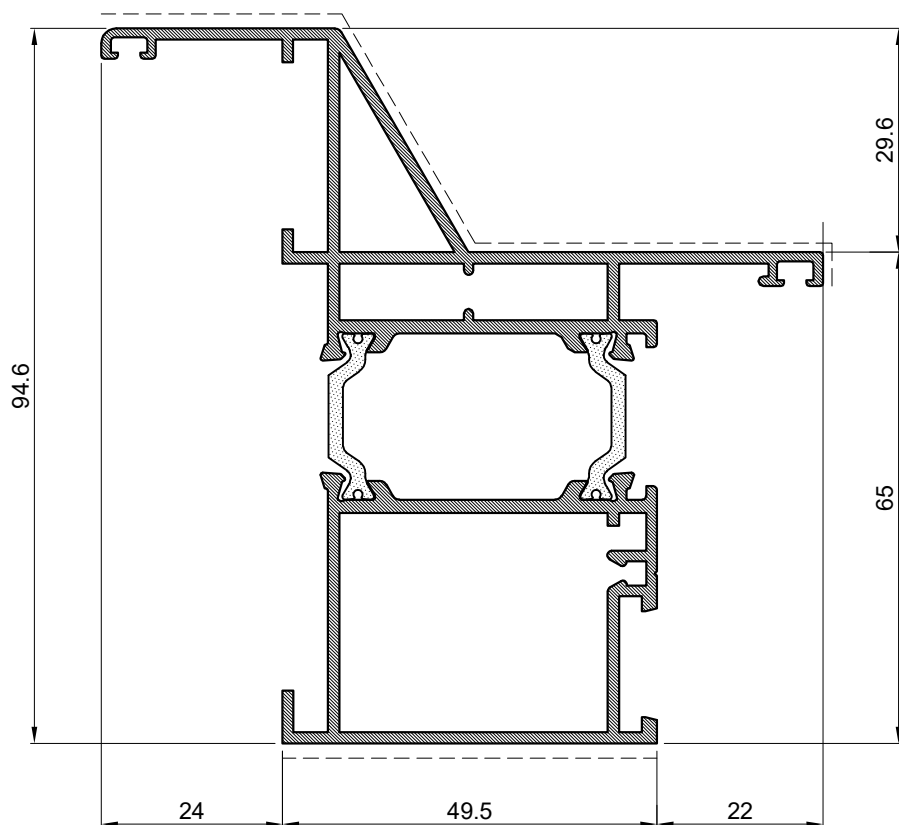


| Profil rama Profile frame                  |                          |       |
|--|--------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0214</b>           |       |
| Težina<br>Weight                           | kg/m                     | 1.797 |
| Opseg<br>Perimeter                         | mm                       | 427   |
| Moment<br>inercije<br>Moment<br>of inertia | Ix<br>(cm <sup>4</sup> ) | 24.44 |
|  | Iy<br>(cm <sup>4</sup> ) | 25.45 |
|  | Wx<br>(cm <sup>3</sup> ) | 8.32  |
|  | Wy<br>(cm <sup>3</sup> ) | 5.08  |
| L  | mm                       | 6500  |

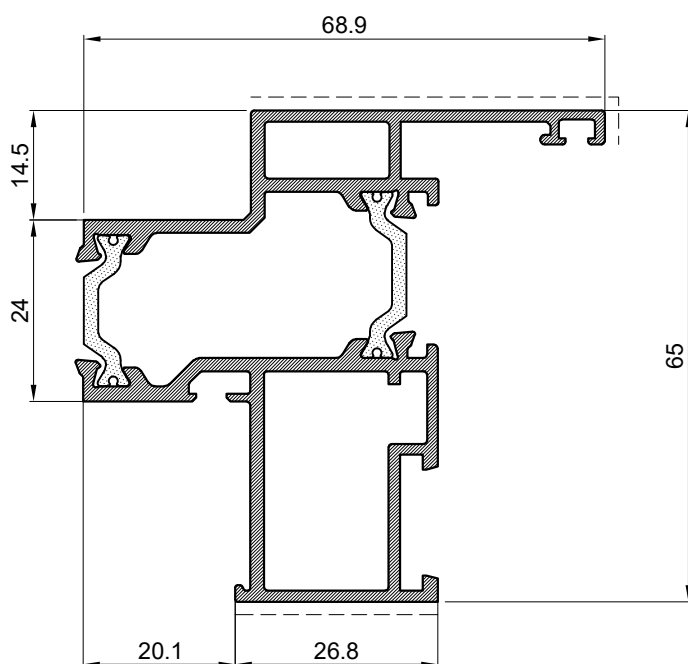


| Profil rama Profile frame                  |                          |       |
|--|--------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0231</b>           |       |
| Težina<br>Weight                           | kg/m                     | 1.890 |
| Opseg<br>Perimeter                         | mm                       | 491   |
| Moment<br>inercije<br>Moment<br>of inertia | Ix<br>(cm <sup>4</sup> ) | 27.86 |
|  | Iy<br>(cm <sup>4</sup> ) | 29.33 |
|  | Wx<br>(cm <sup>3</sup> ) | 10.16 |
|  | Wy<br>(cm <sup>3</sup> ) | 6.15  |
| L  | mm                       | 6500  |

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

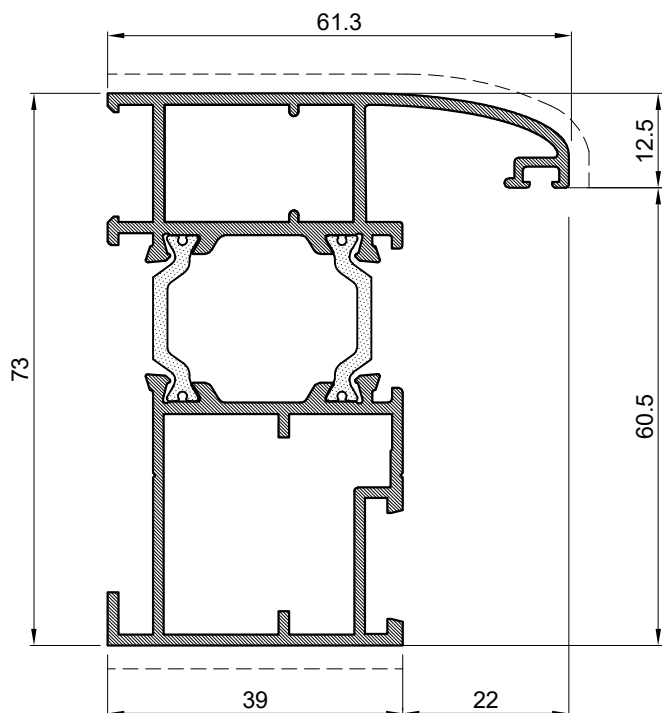


| Profil rama Profile frame                  |                          |       |
|--|--------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0232</b>           |       |
| Težina<br>Weight                           | kg/m                     | 2.023 |
| Opseg<br>Perimeter                         | mm                       | 489   |
| Moment<br>inerције<br>Moment<br>of inertia | Ix<br>(cm <sup>4</sup> ) | 44.23 |
|  | Iy<br>(cm <sup>4</sup> ) | 27.83 |
|  | Wx<br>(cm <sup>3</sup> ) | 12.14 |
|  | Wy<br>(cm <sup>3</sup> ) | 5.81  |
| L  | mm                       | 6500  |

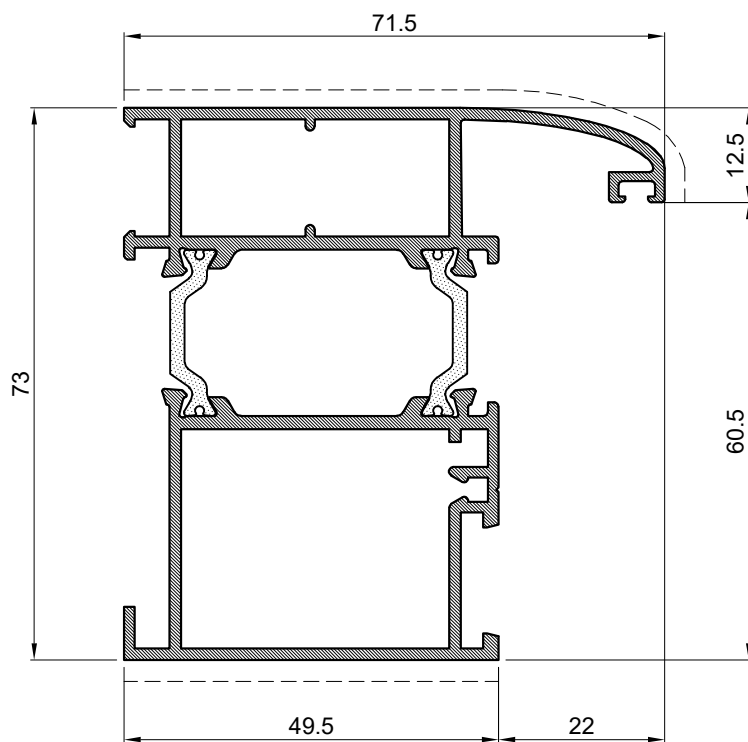


| Profil rama u fasadi<br>Profile frame in facade |                          |       |
|---|--------------------------|-------|
| Art.Br.<br>Art.Nr.                              | <b>FT-0261</b>           |       |
| Težina<br>Weight                                | kg/m                     | 1.479 |
| Opseg<br>Perimeter                              | mm                       | 361   |
| Moment<br>inercije<br>Moment<br>of inertia      | Ix<br>(cm <sup>4</sup> ) | 16.41 |
|   | Iy<br>(cm <sup>4</sup> ) | 12.38 |
|   | Wx<br>(cm <sup>3</sup> ) | 5.83  |
|   | Wy<br>(cm <sup>3</sup> ) | 3.22  |
| L   | mm                       | 6500  |

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

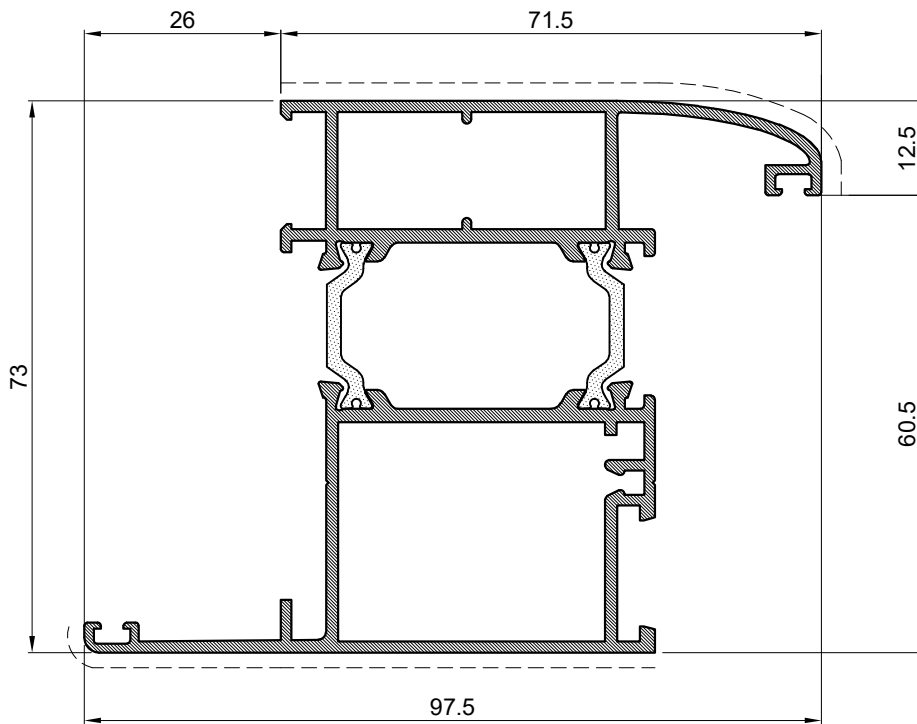


| Profil rama Profile frame                  |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0234</b>                       |       |
| Težina<br>Weight                           | kg/m                                 | 1.518 |
| Opseg<br>Perimeter                         | mm                                   | 376   |
| Moment<br>inercije<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 24.37 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 12.22 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 7.91  |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 3.32  |
| L  | mm                                   | 6500  |

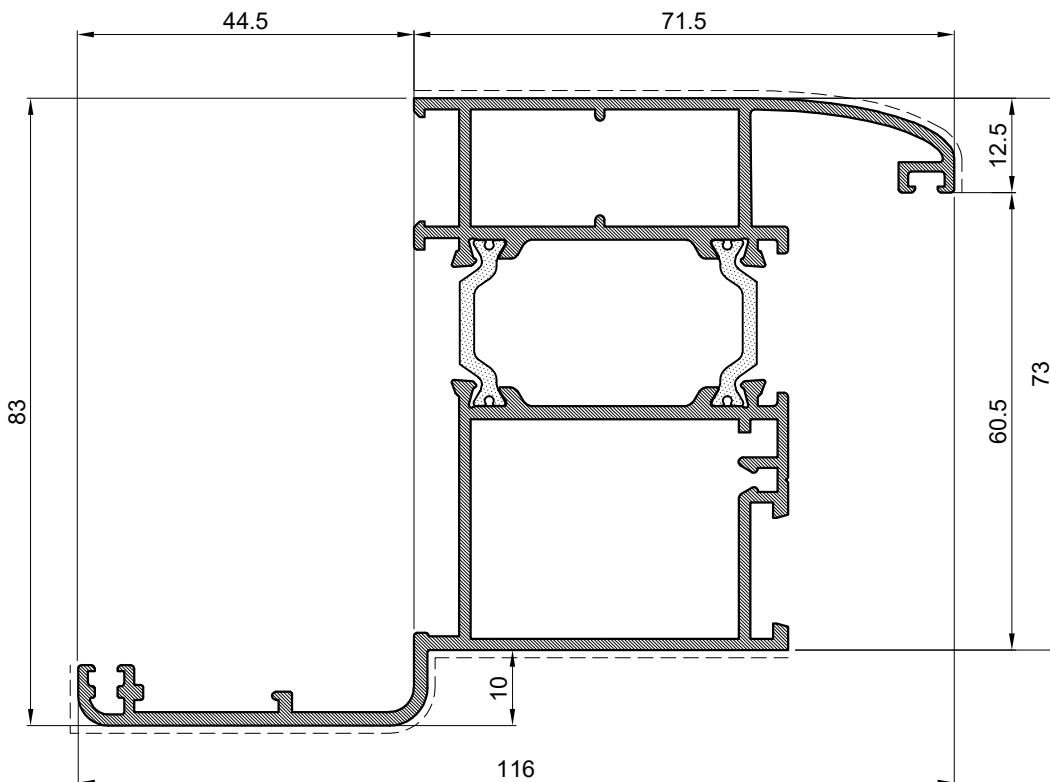


| Profil rama Profile frame                  |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0224</b>                       |       |
| Težina<br>Weight                           | kg/m                                 | 1.738 |
| Opseg<br>Perimeter                         | mm                                   | 408   |
| Moment<br>inercije<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 28.24 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 21.25 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 9.25  |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 5.08  |
| L  | mm                                   | 6500  |

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

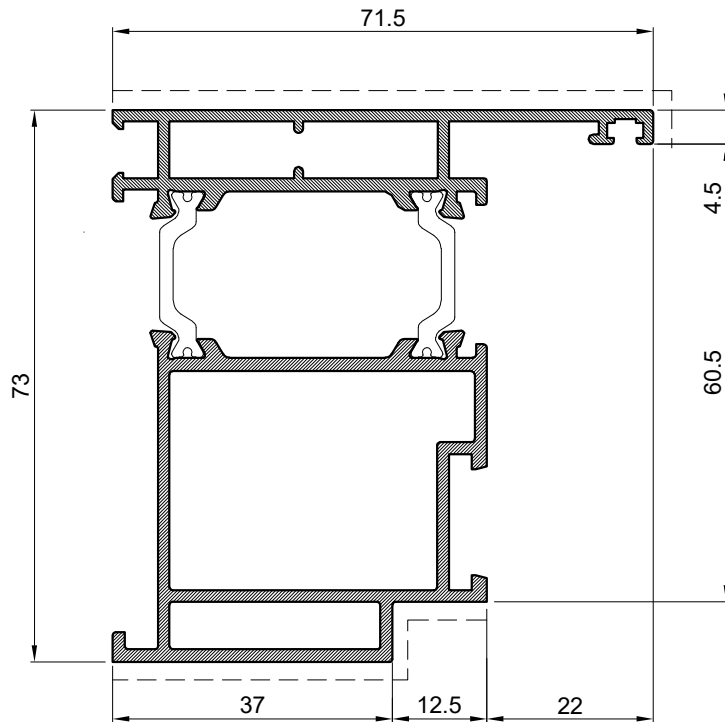


| Profil rama Profile frame                  |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0229</b>                       |       |
| Težina<br>Weight                           | kg/m                                 | 1.878 |
| Opseg<br>Perimeter                         | mm                                   | 461   |
| Moment<br>inercije<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 33.45 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 29.72 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 11.86 |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 5.66  |
| L  | mm                                   | 6500  |

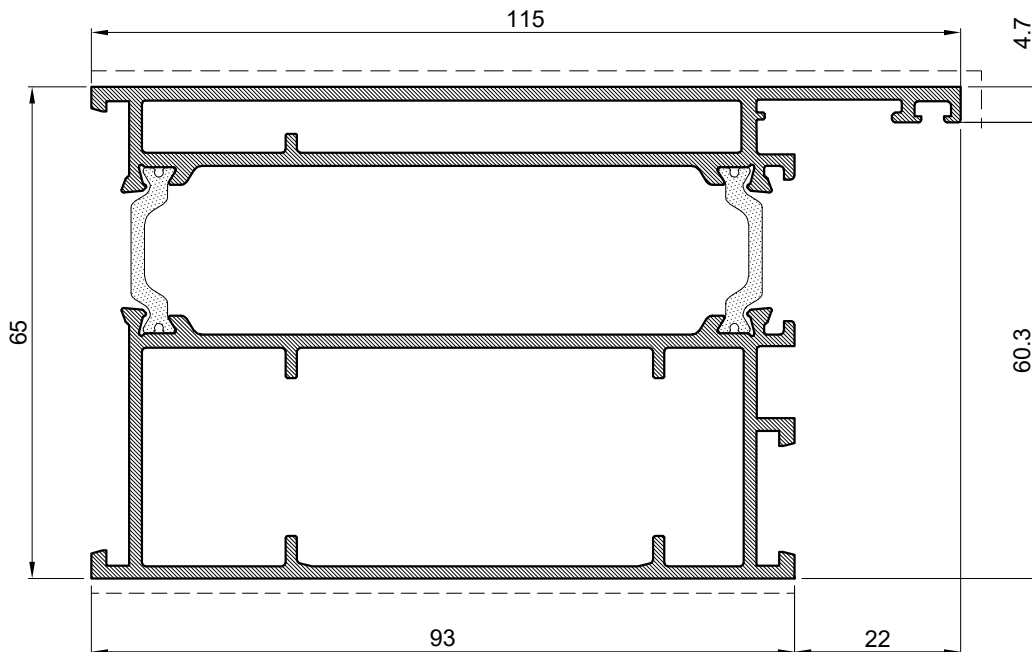


| Profil rama Profile frame                |                                      |       |
|--|--------------------------------------|-------|
| Br.Br.                                   | <b>FT-0249</b>                       |       |
| Težina<br>Težina                         | kg/m                                 | 2.052 |
| Opseg<br>Perimeter                       | mm                                   | 540   |
| Moment<br>inercije<br>Moment<br>inercije | I <sub>x</sub><br>(cm <sup>4</sup> ) | 45.75 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 50.35 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 14.11 |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 7.68  |
| L  | mm                                   | 6500  |

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

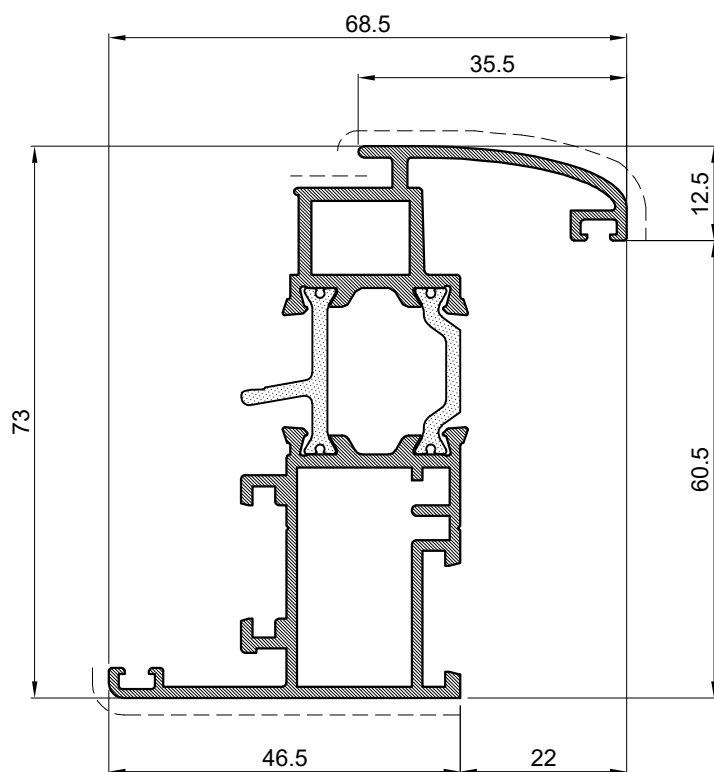


| Profil rama Profile frame                  |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0274</b>                       |       |
| Težina<br>Weight                           | kg/m                                 | 1.813 |
| Opseg<br>Perimeter                         | mm                                   | 379   |
| Moment<br>inercije<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 32.54 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 19.52 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 10.57 |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 4.5   |
| L  | mm                                   | 6500  |

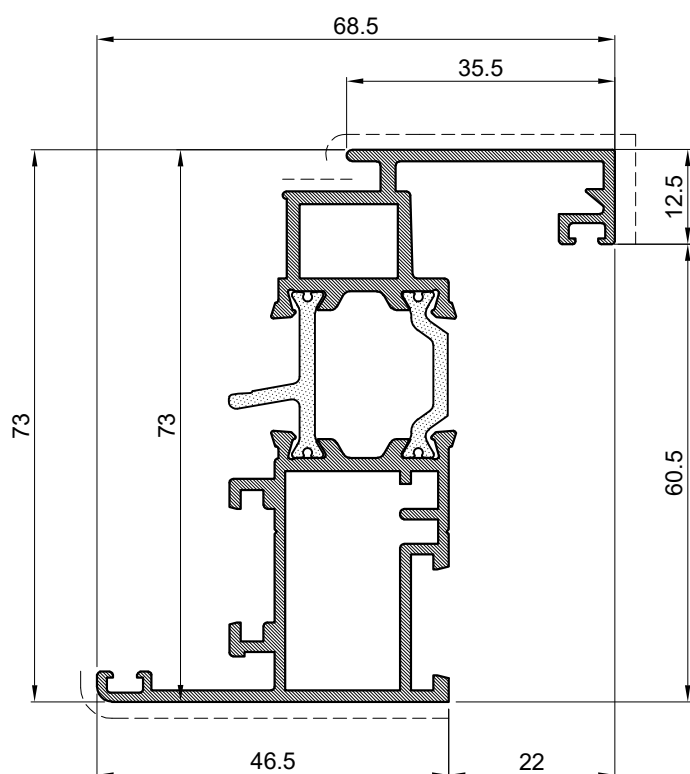


| Profil rama Profile frame                  |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0297</b>                       |       |
| Težina<br>Weight                           | kg/m                                 | 2.588 |
| Opseg<br>Perimeter                         | mm                                   | 445   |
| Moment<br>inercije<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 39.01 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 94.25 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 13.7  |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 14.82 |
| L  | mm                                   | 6500  |

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

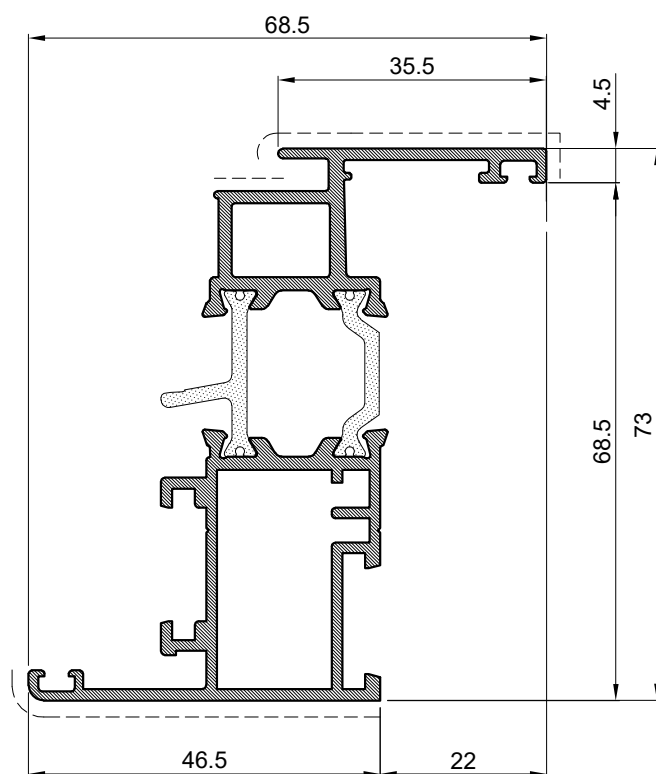


| Profil krila Profile sash                  |                |       |
|--|----------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0203</b> |       |
| Težina<br>Weight                           | kg/m           | 1.503 |
| Opseg<br>Perimeter                         | mm     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



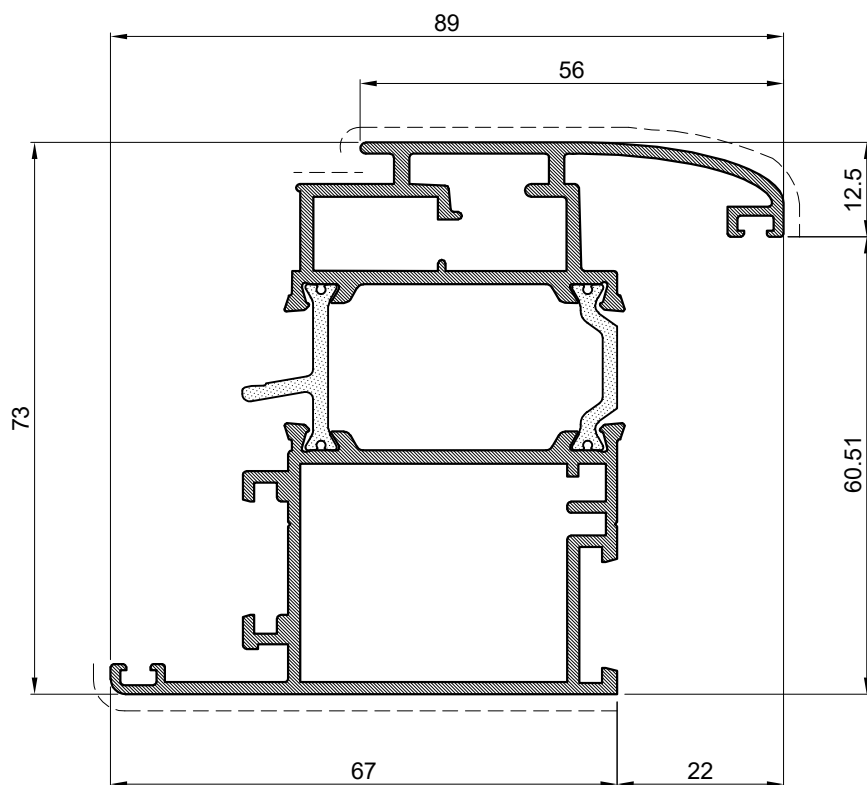
| Profil krila Profile sash                  |                |       |
|--|----------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0221</b> |       |
| Težina<br>Weight                           | kg/m           | 1.502 |
| Opseg<br>Perimeter                         | mm     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

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

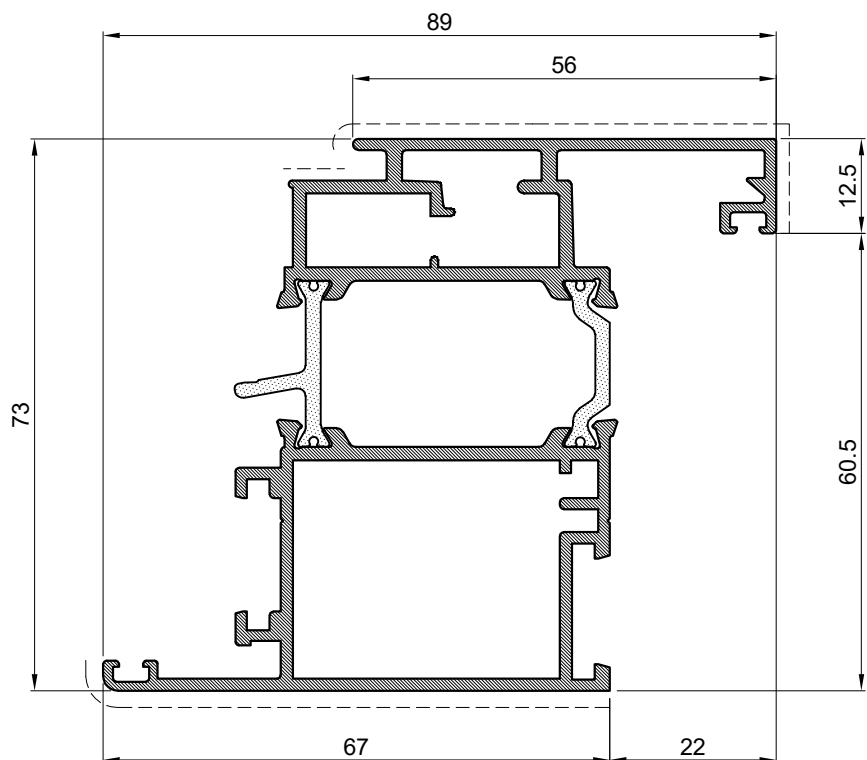


| Profil krila Profile sash                  |                |       |
|--|----------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0295</b> |       |
| Težina<br>Weight                           | kg/m           | 1.455 |
| Opseg<br>Perimeter                         | mm             | 412   |
| Moment<br>inercije<br>Moment<br>of inertia | Ix<br>(cm4)    | 23.8  |
|  | Iy<br>(cm4)    | 8.23  |
|  | Wx<br>(cm3)    | 8.55  |
|  | Wy<br>(cm3)    | 2.38  |
| L  | mm             | 6500  |

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



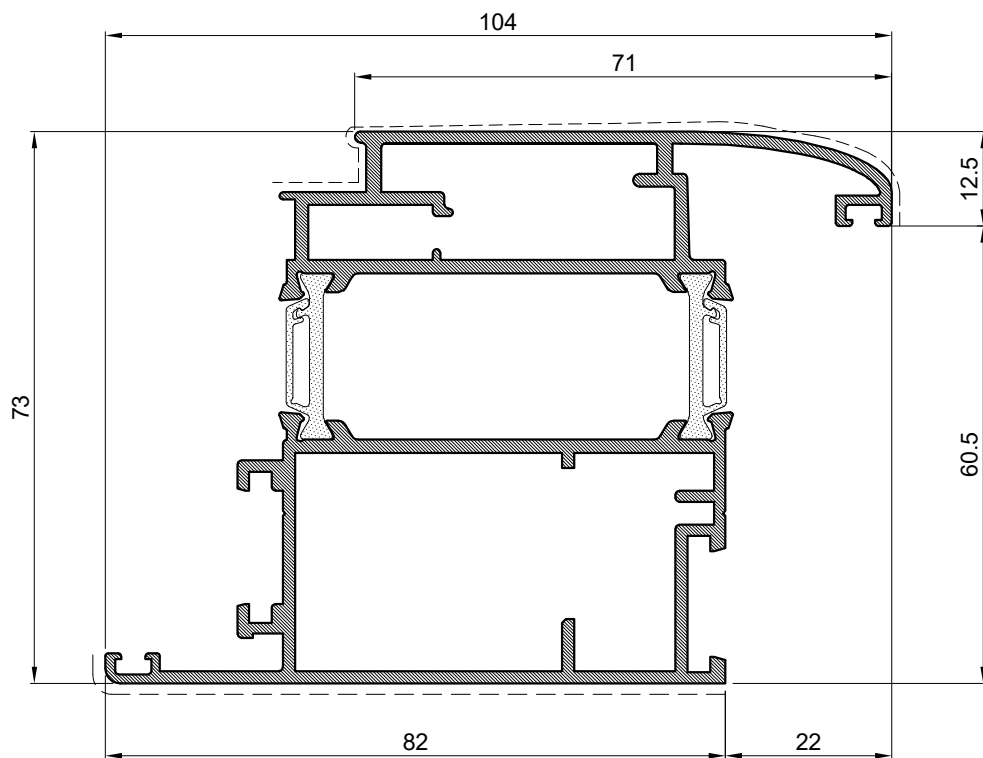
| Profil krila Profile sash                  |                          |       |
|--|--------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0204</b>           |       |
| Težina<br>Weight                           | kg/m                     | 1.984 |
| Opseg<br>Perimeter                         | mm                       | 463   |
| Moment<br>inercije<br>Moment<br>of inertia | Ix<br>(cm <sup>4</sup> ) | 33.51 |
|  | Iy<br>(cm <sup>4</sup> ) | 26.23 |
|  | Wx<br>(cm <sup>3</sup> ) | 11.75 |
|  | Wy<br>(cm <sup>3</sup> ) | 5.79  |
| L  | mm                       | 6500  |



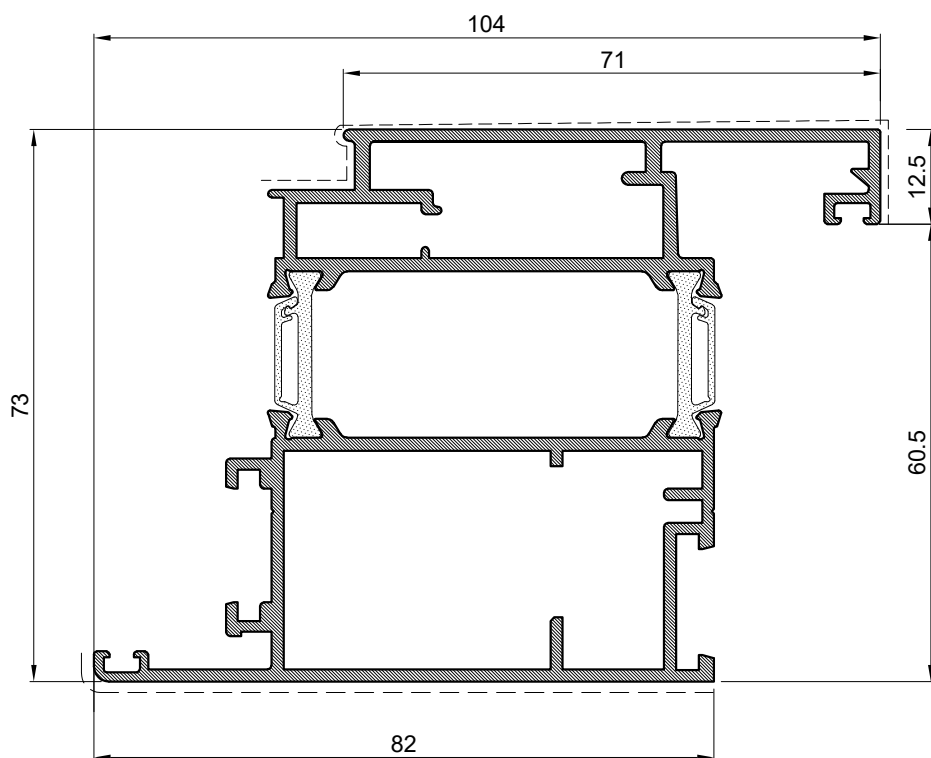
| Profil krila Profile sash                  |                          |       |
|--|--------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0230</b>           |       |
| Težina<br>Weight                           | kg/m                     | 1.999 |
| Opseg<br>Perimeter                         | mm                       | 479   |
| Moment<br>inercije<br>Moment<br>of inertia | Ix<br>(cm <sup>4</sup> ) | 34.54 |
|  | Iy<br>(cm <sup>4</sup> ) | 28.24 |
|  | Wx<br>(cm <sup>3</sup> ) | 11.94 |
|  | Wy<br>(cm <sup>3</sup> ) | 6.14  |
| L  | mm                       | 6500  |

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



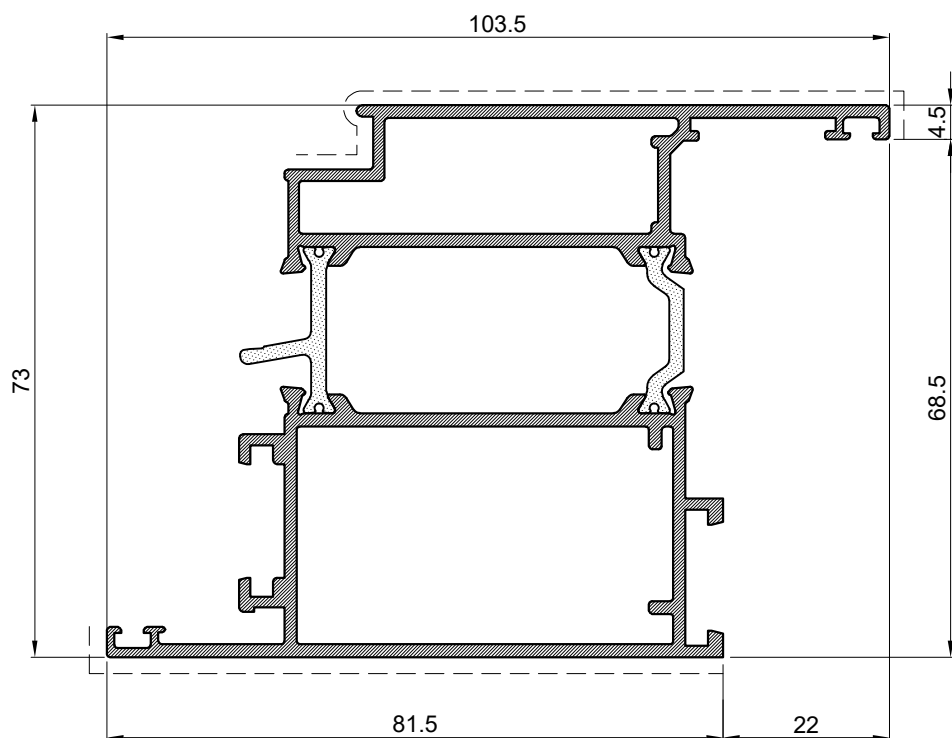


| Profil krila Profile sash                  |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0218</b>                       |       |
| Težina<br>Weight                           | 519                                  | 2.305 |
| Opseg<br>Perimeter                         | mm                                   | 484   |
| Moment<br>inerције<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 39.85 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 47.91 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 13.97 |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 9.07  |
| L  | mm                                   | 6500  |

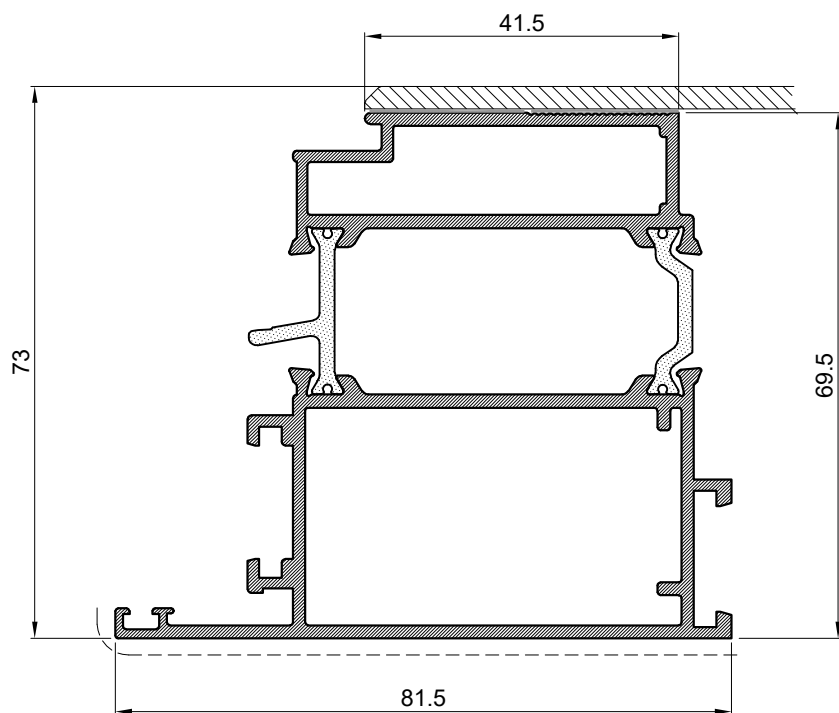


| Profil krila Profile sash                  |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0247</b>                       |       |
| Težina<br>Weight                           | kg/m                                 | 2.334 |
| Opseg<br>Perimeter                         | mm                                   | 472   |
| Moment<br>inercije<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 40.94 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 50.64 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 14.18 |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 9.46  |
| L  | mm                                   | 6500  |

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

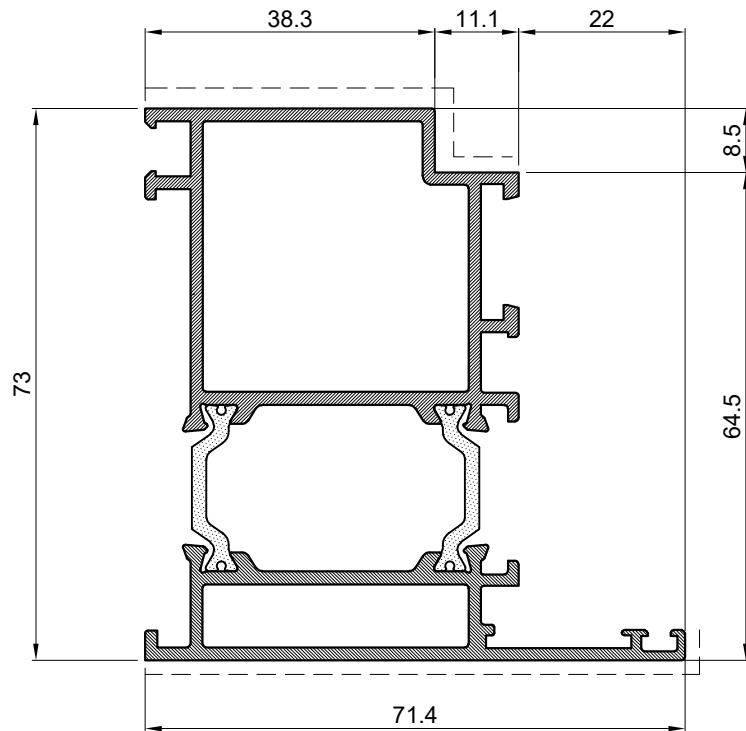


| Profil krila Profile sash                  |                          |       |
|--|--------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0275</b>           |       |
| Težina<br>Weight                           | kg/m                     | 2.12  |
| Opseg<br>Perimeter                         | mm                       | 499   |
| Moment<br>inerције<br>Moment<br>of inertia | Ix<br>(cm <sup>4</sup> ) | 38.51 |
|  | Iy<br>(cm <sup>4</sup> ) | 42.12 |
|  | Wx<br>(cm <sup>3</sup> ) | 13.93 |
|  | Wy<br>(cm <sup>3</sup> ) | 8.05  |
| L  | mm                       | 6500  |

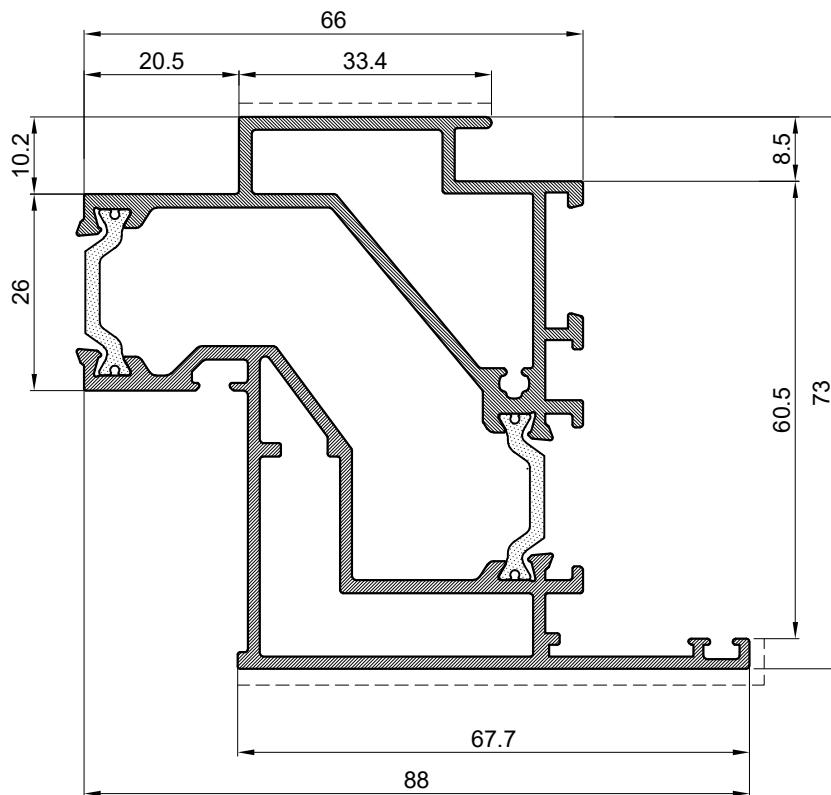


| Profil krila Profile sash                  |                          |       |
|--|--------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0291</b>           |       |
| Težina<br>Weight                           | kg/m                     | 1.915 |
| Opseg<br>Perimeter                         | mm                       | 371   |
| Moment<br>inercije<br>Moment<br>of inertia | Ix<br>(cm <sup>4</sup> ) | 29.68 |
|  | Iy<br>(cm <sup>4</sup> ) | 30.87 |
|  | Wx<br>(cm <sup>3</sup> ) | 10.38 |
|  | Wy<br>(cm <sup>3</sup> ) | 6.52  |
| L  | mm                       | 6500  |

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

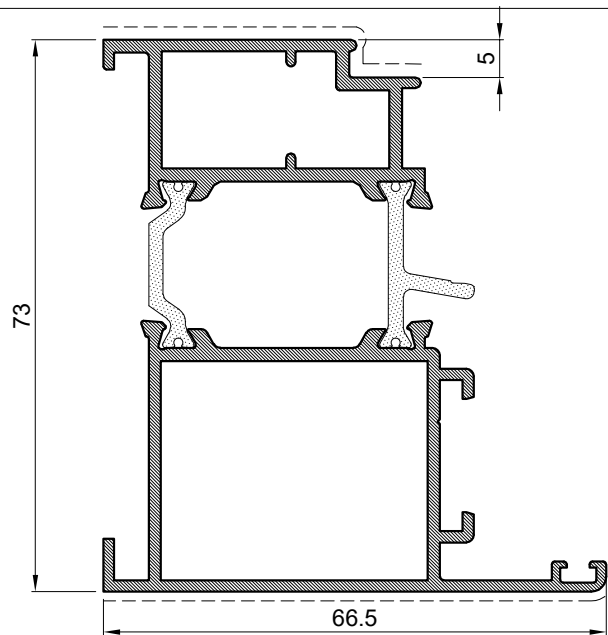


| Profil rama, otvaranje vani<br>Profile frame, outside opening |                |       |
|---|----------------|-------|
| Art.Br.<br>Art.Nr.  | <b>FT-0278</b> |       |
| Težina<br>Weight  | kg/m           | 1.736 |
| Opseg<br>Perimeter  | mm             | 387   |
| Moment<br>inercije<br>Moment<br>of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



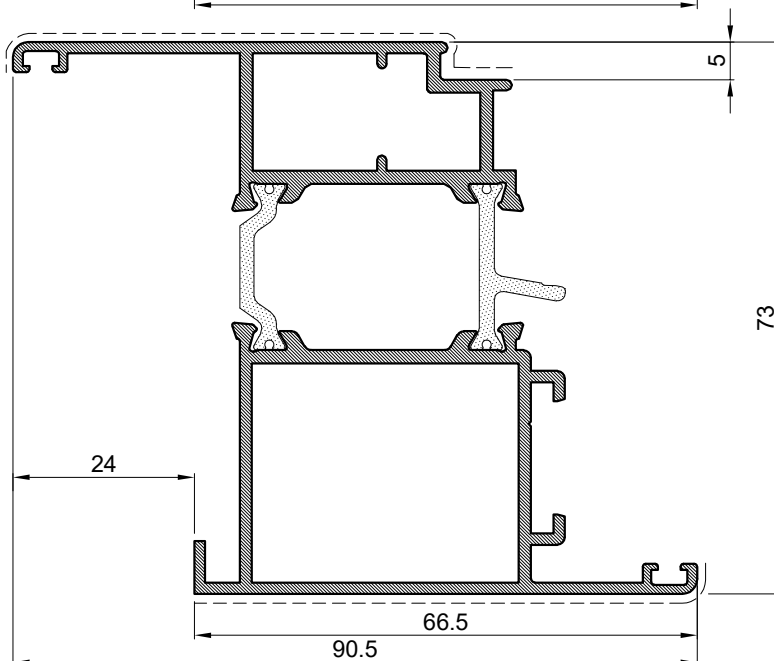
| Profil rama u fasadi -otv.vani<br>Profile frame in<br>facade-outside opening |                |       |
|--|----------------|-------|
| Art.Br.<br>Art.Nr.   | <b>FT-0290</b> |       |
| Težina<br>Weight   | kg/m           | 2.14  |
| Opseg<br>Perimeter   | mm             | 440   |
| Moment<br>inercije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

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



Profil rama, otvaranje vani  
Profile frame, outside opening

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

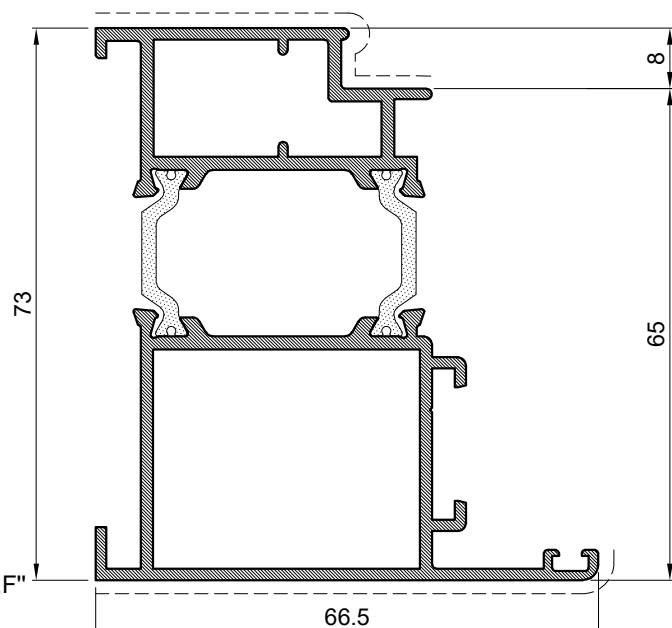


Profil rama-otvaranje vani  
Profile frame-outside opening

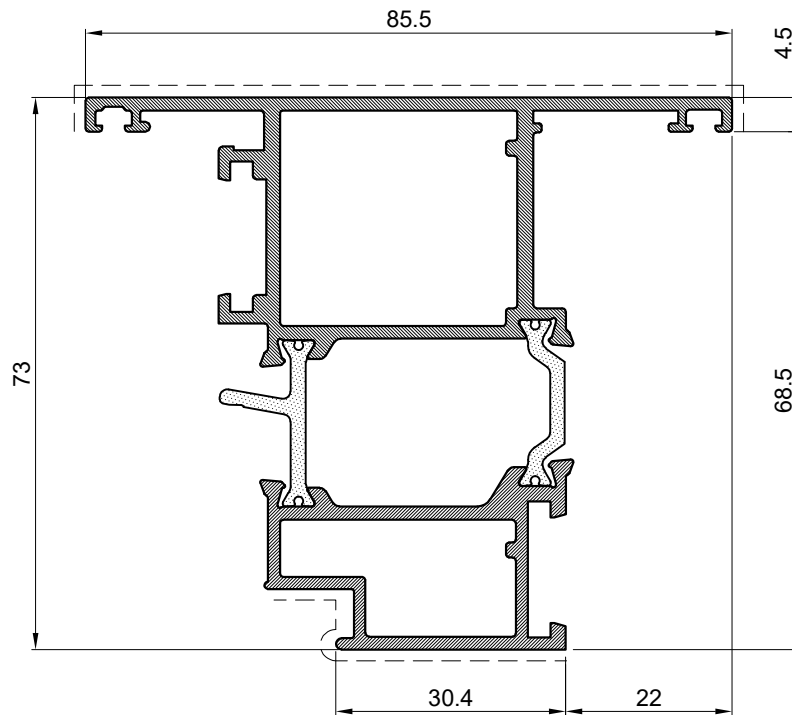
|  |                |       |
|--|----------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0215</b> |       |
| Težina<br>Weight                           | kg/m           | 1.727 |
| Opseg<br>Perimeter                         | mm             | 430   |
| Moment<br>inerције<br>Moment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

Profil rama-otvaranje vani  
Profile frame-outside opening

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

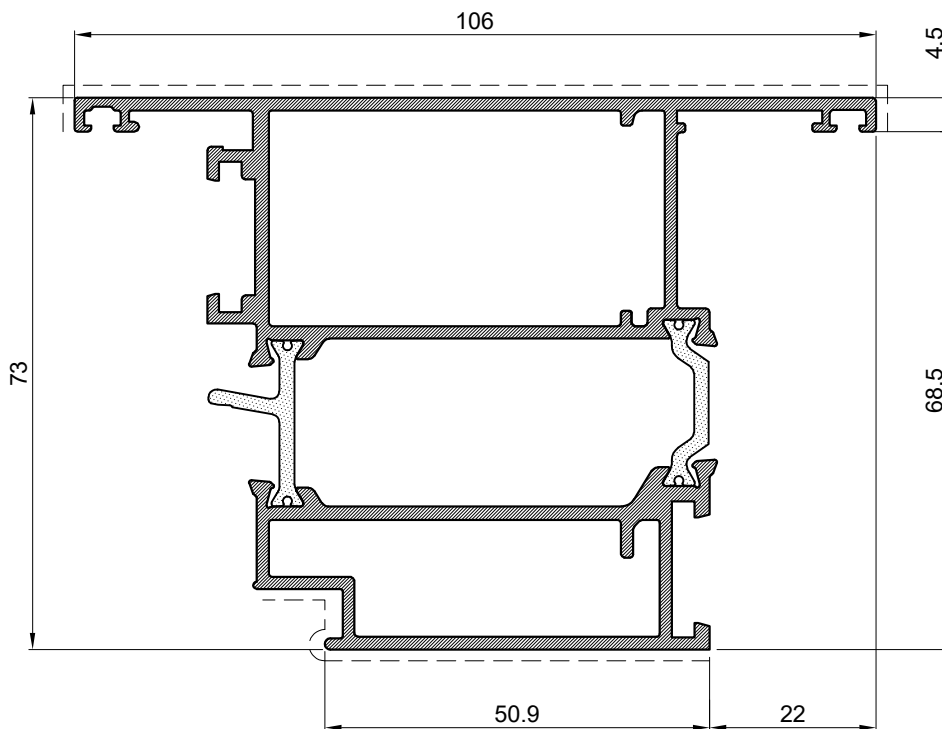


PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”  
PROFILE WITH XPS HAVE ENDING „F”



Profil krila, otvaranje vani  
Profile sash, outside opening

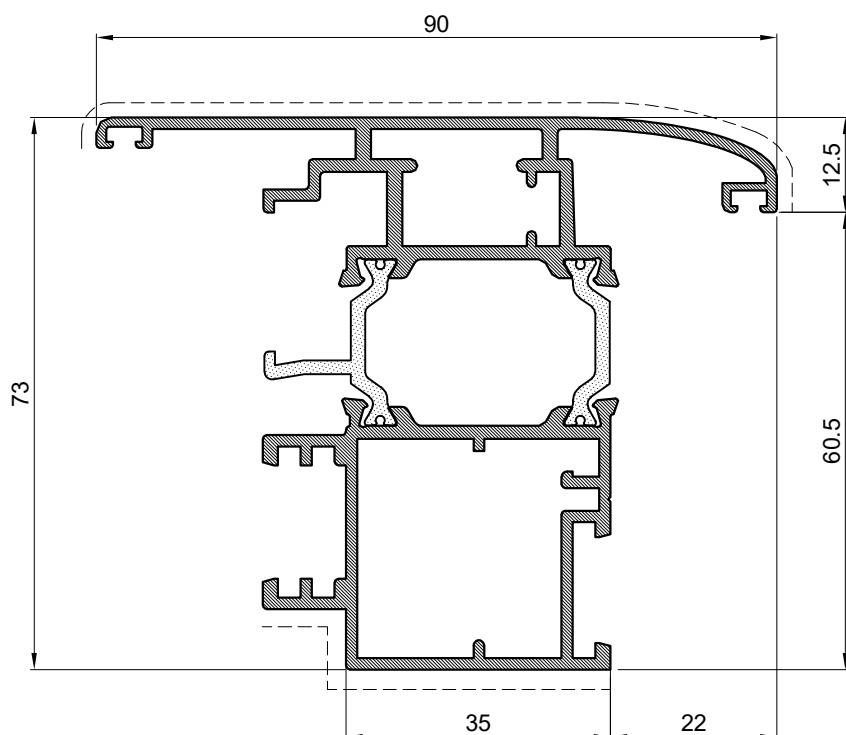
|  |                |       |
|--|----------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0283</b> |       |
| Težina<br>Weight                           | kg/m           | 1.876 |
| Opseg<br>Perimeter                         | mm             | 422   |
| Moment<br>inerције<br>Moment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



Profil krila, otvaranje vani  
Profile sash, outside opening

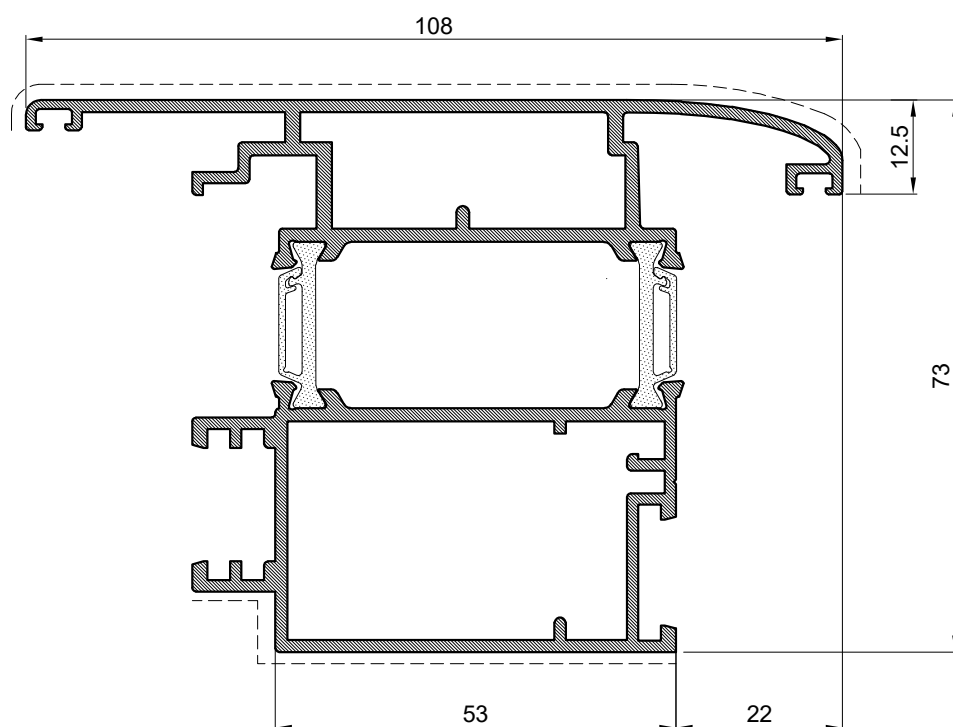
|  |                |       |
|--|----------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0279</b> |       |
| Težina<br>Weight                           | kg/m           | 2.24  |
| Opseg<br>Perimeter                         | mm             | 496   |
| Moment<br>inerције<br>Moment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

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



Profil krila-otvaranje vani  
Profile sash-outside opening

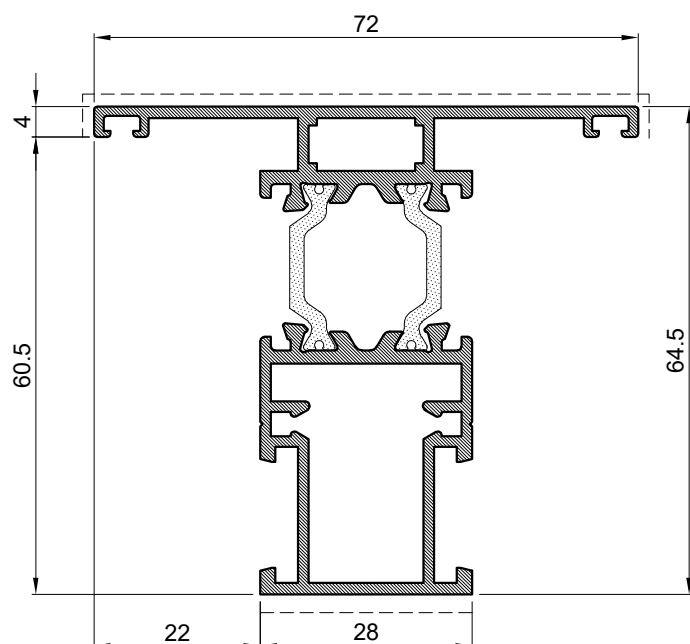
|  |                          |       |
|--|--------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0210</b>           |       |
| Težina<br>Weight                           | kg/m                     | 1.995 |
| Opseg<br>Perimeter                         | mm       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



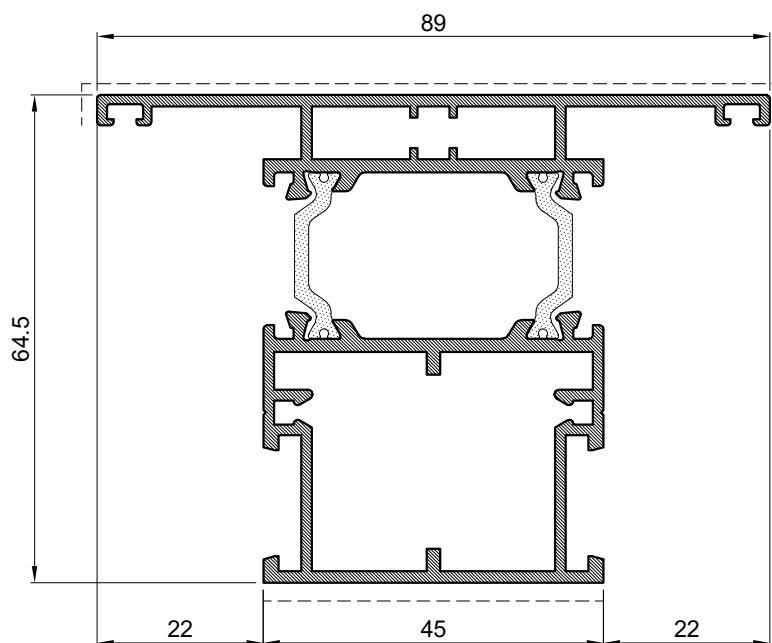
Profil krila-otvaranje vani  
Profile sash-outside opening

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

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

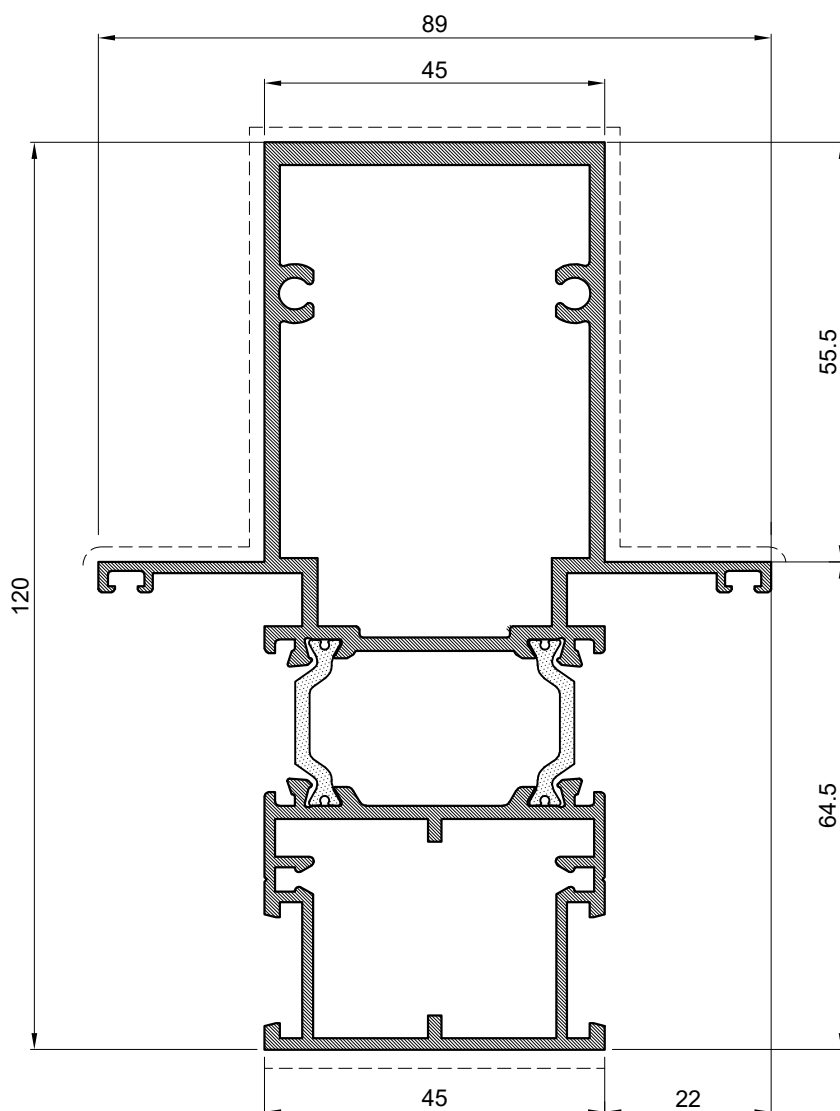


| Profil prečke<br>Profile window mullion    |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0205</b>                       |       |
| Težina<br>Weight                           | kg/m                                 | 1.452 |
| Opseg<br>Perimeter                         | mm                                   | 379   |
| Moment<br>inercije<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 17.78 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 8.91  |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 6.14  |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 2.47  |
| L  | mm                                   | 6500  |



| Profil prečke<br>Profile window mullion    |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0206</b>                       |       |
| Težina<br>Weight                           | kg/m                                 | 1.789 |
| Opseg<br>Perimeter                         | mm                                   | 410   |
| Moment<br>inercije<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 23.17 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 21.51 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 8.05  |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 4.83  |
| L  | mm                                   | 6500  |

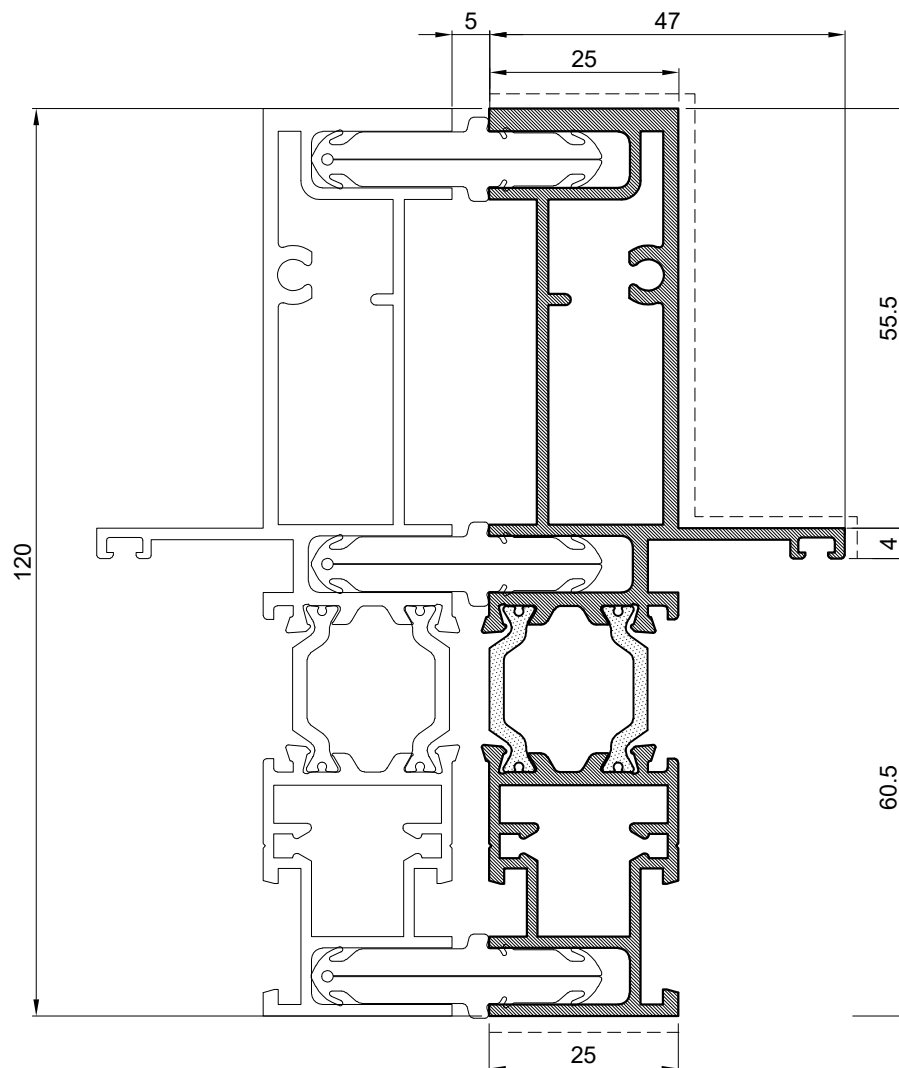
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”  
PROFILE WITH XPS HAVE ENDING „F”



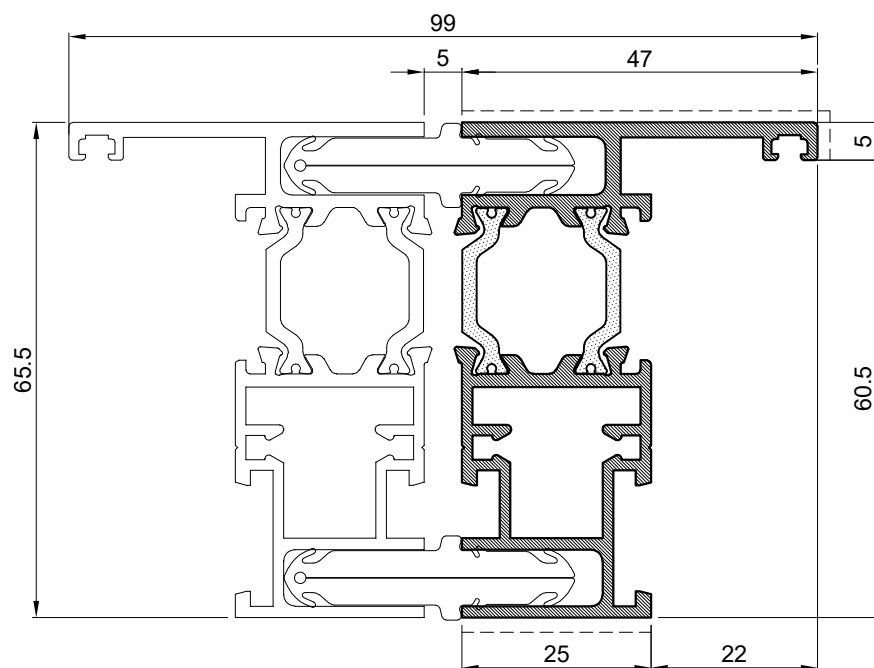
| Profil ojačane prečke<br>Reinforcement window mullion |                                      |       |
|---|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                                    | <b>FT-0209</b>                       |       |
| Težina<br>Weight                                      | kg/m                                 | 2.711 |
| Opseg<br>Perimeter                                    | mm                                   | 520   |
| Moment<br>inercije<br>Moment<br>of inertia            | I <sub>x</sub><br>(cm <sup>4</sup> ) | 108   |
|   | I <sub>y</sub><br>(cm <sup>4</sup> ) | 34.73 |
|   | W <sub>x</sub><br>(cm <sup>3</sup> ) | 21.62 |
|   | W <sub>y</sub><br>(cm <sup>3</sup> ) | 7.8   |
| L   | mm                                   | 6500  |

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





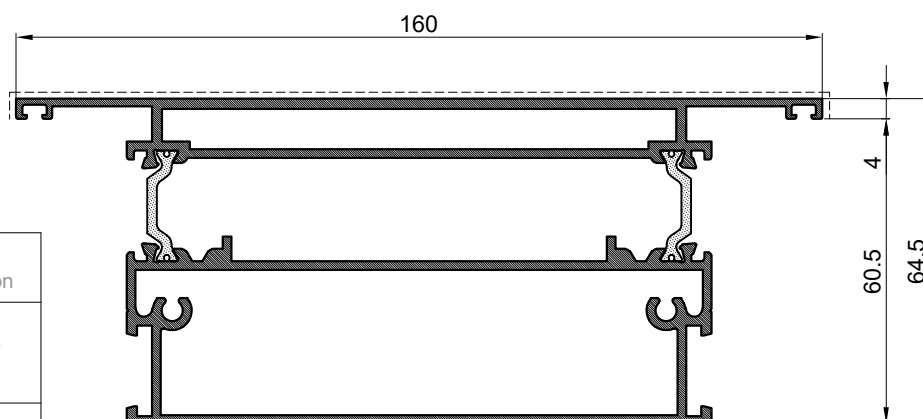
| Vezni profil s ojačanjem<br>Connection profile-reinforcement |                |       |
|--|----------------|-------|
| Art.Br.<br>Art.Nr.   | <b>FT-0226</b> |       |
| Težina<br>Weight   | kg/m           | 2.027 |
| Opseg<br>Perimeter   | mm             | 516   |
| Moment<br>inercije<br>Moment<br>of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



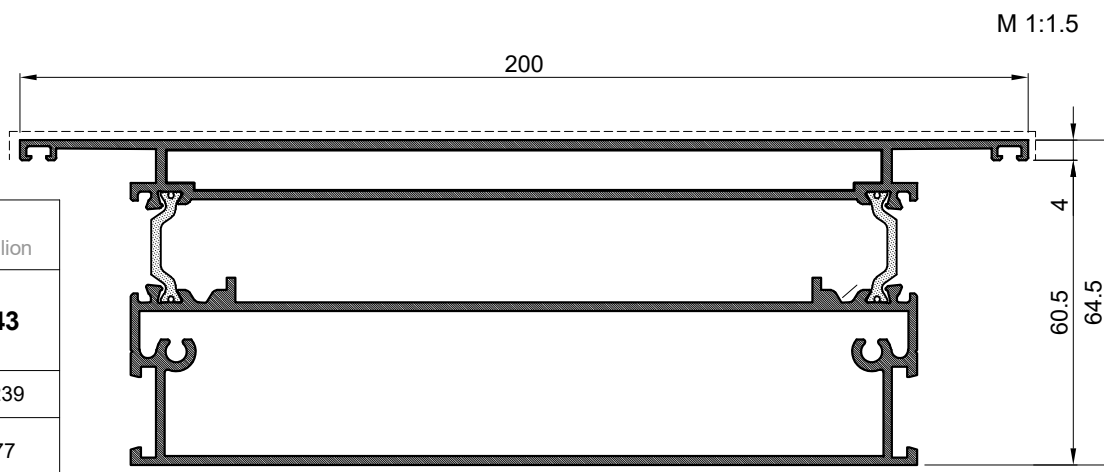
| Vezni profil<br>Connection profile         |                |       |
|--|----------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0227</b> |       |
| Težina<br>Weight                           | kg/m           | 1.311 |
| Opseg<br>Perimeter                         | mm     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

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

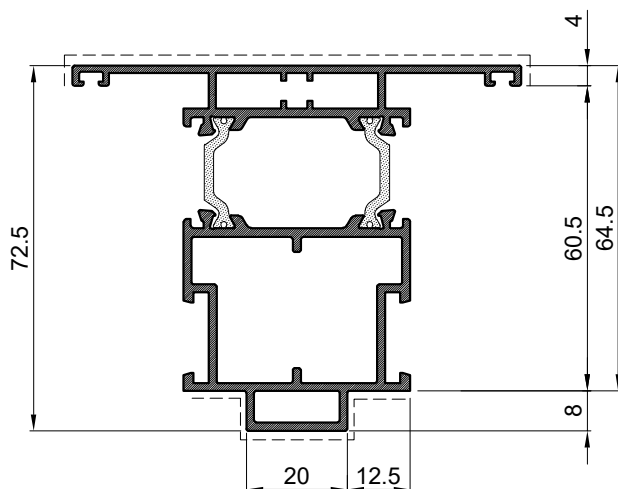
| Profil prečke<br>Profile window mullion    |                          |        |
|--|--------------------------|--------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0207</b>           |        |
| Težina<br>Weight                           | kg/m                     | 3.437  |
| Opseg<br>Perimeter                         | mm                       | 559    |
| Moment<br>inercije<br>Moment<br>of inertia | Ix<br>(cm <sup>4</sup> ) | 48.28  |
|  | Iy<br>(cm <sup>4</sup> ) | 209.94 |
|  | Wx<br>(cm <sup>3</sup> ) | 16.84  |
|  | Wy<br>(cm <sup>3</sup> ) | 26.24  |
| L  | mm                       | 6500   |



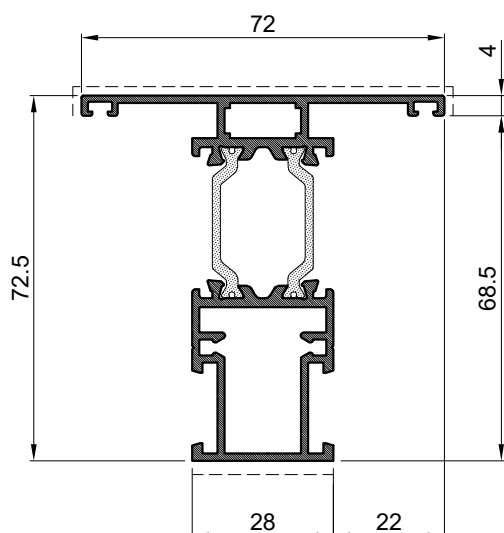
| Profil prečke<br>Profile window mullion    |                          |        |
|--|--------------------------|--------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0243</b>           |        |
| Težina<br>Weight                           | kg/m                     | 4.239  |
| Opseg<br>Perimeter                         | mm                       | 677    |
| Moment<br>inercije<br>Moment<br>of inertia | Ix<br>(cm <sup>4</sup> ) | 62.88  |
|  | Iy<br>(cm <sup>4</sup> ) | 450.12 |
|  | Wx<br>(cm <sup>3</sup> ) | 21.93  |
|  | Wy<br>(cm <sup>3</sup> ) | 45.01  |
| L  | mm                       | 6500   |



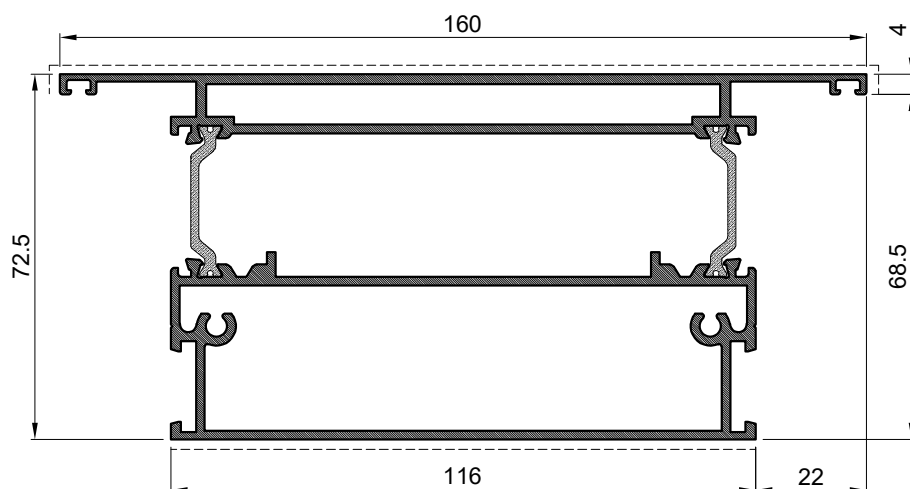
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”  
PROFILE WITH XPS HAVE ENDING „F”



| Profil prečke<br>Profile window mullion    |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0276</b>                       |       |
| Težina<br>Weight                           | kg/m                                 | 1.876 |
| Opseg<br>Perimeter                         | mm                                   | 454   |
| Moment<br>inerције<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 30.71 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 21.67 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 9.5   |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 4.83  |
| L  | mm                                   | 6500  |

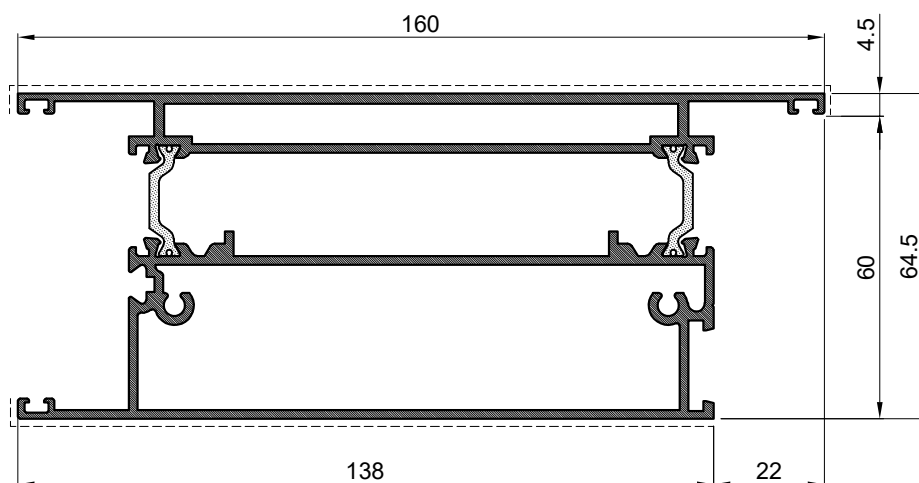


| Profil prečke<br>Profile window mullion    |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0284</b>                       |       |
| Težina<br>Weight                           | kg/m                                 | 1.450 |
| Opseg<br>Perimeter                         | mm                                   | 392   |
| Moment<br>inercije<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 23.66 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 8.91  |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 7.59  |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 2.48  |
| L  | mm                                   | 6500  |

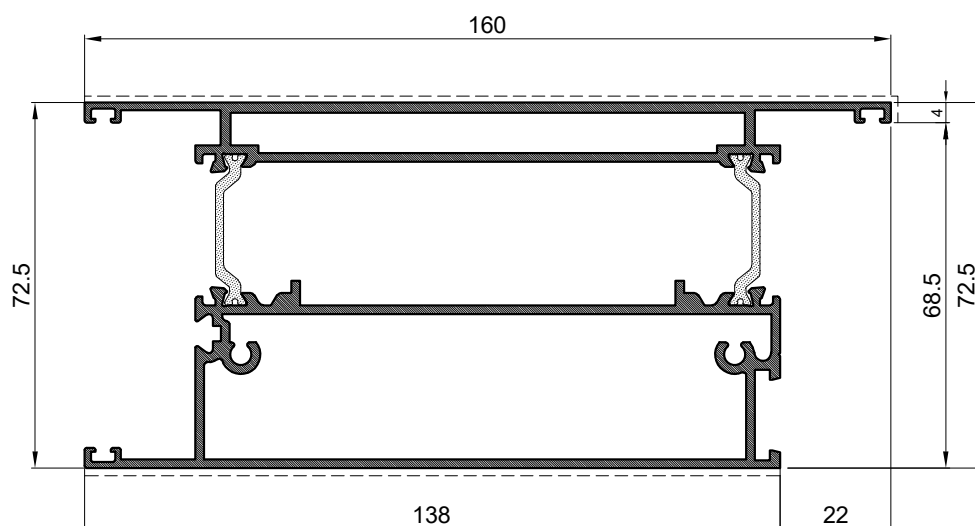


| Profil prečke<br>Profile window mullion    |                                      |        |
|--|--------------------------------------|--------|
| Art.Br.<br>Art.Nr.                         | <b>FT-1618</b>                       |        |
| Težina<br>Weight                           | kg/m                                 | 3.479  |
| Opseg<br>Perimeter                         | mm                                   | 581    |
| Moment<br>inercije<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 63.36  |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 209.98 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 20.53  |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 26.25  |
| L  | mm                                   | 6500   |

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

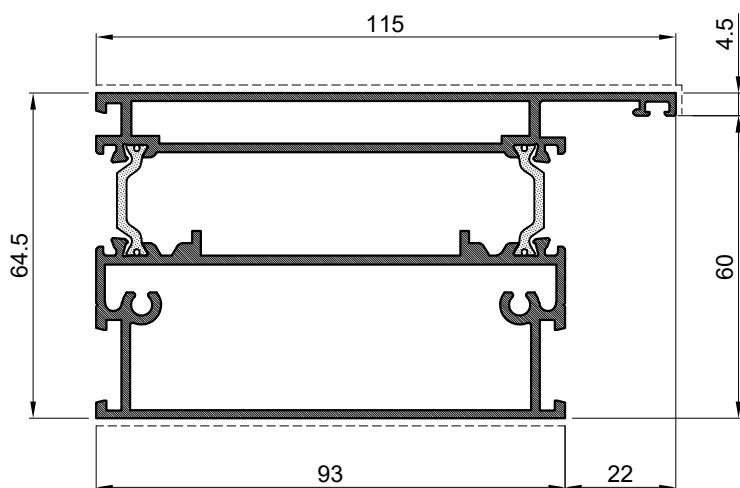
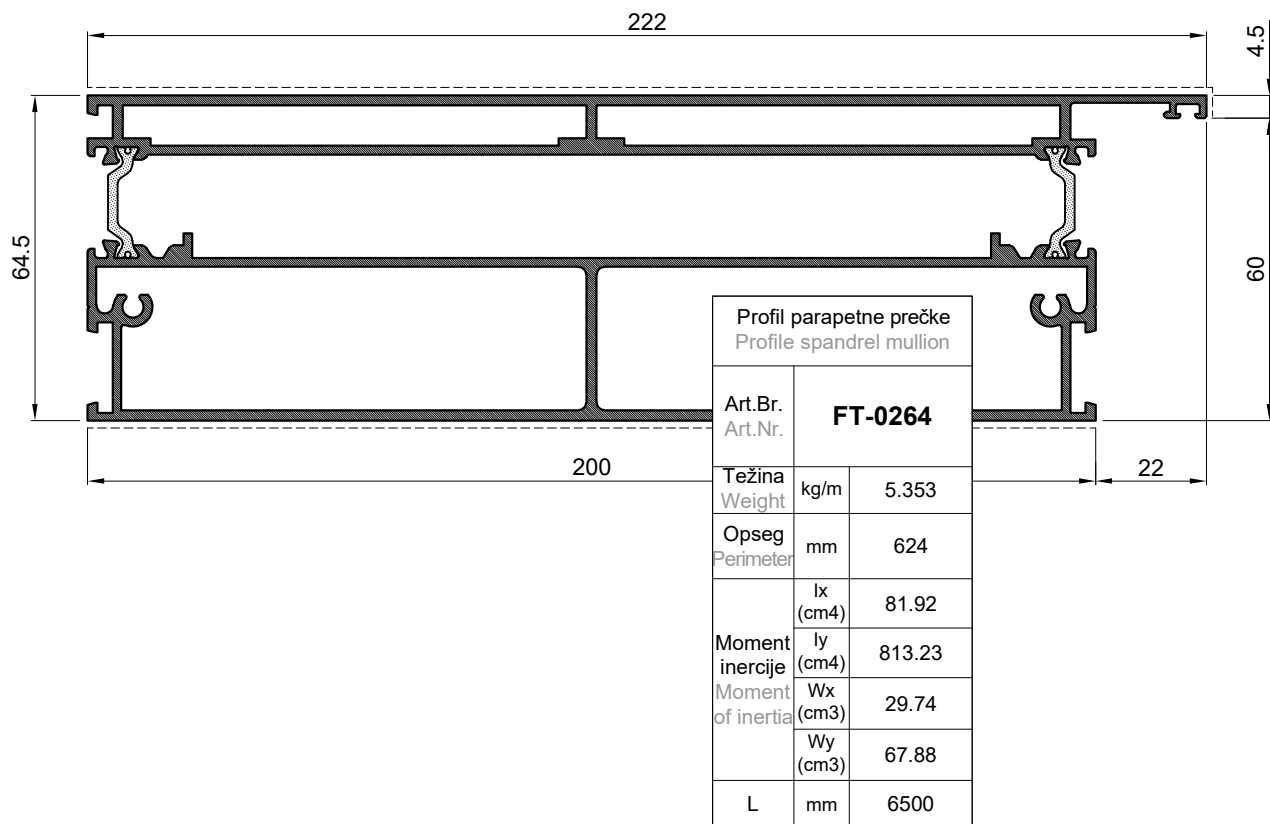


| Profil parapetne prečke<br>Profile spandrel mullion |                                      |        |
|---|--------------------------------------|--------|
| Art.Br.<br>Art.Nr.                                  | <b>FT-0208</b>                       |        |
| Težina<br>Weight                                    | kg/m                                 | 3.497  |
| Opseg<br>Perimeter                                  | mm                                   | 626    |
| Moment<br>inerције<br>Moment<br>of inertia          | I <sub>x</sub><br>(cm <sup>4</sup> ) | 52.07  |
|   | I <sub>y</sub><br>(cm <sup>4</sup> ) | 230.02 |
|   | W <sub>x</sub><br>(cm <sup>3</sup> ) | 18.7   |
|   | W <sub>y</sub><br>(cm <sup>3</sup> ) | 27.94  |
| L   | mm                                   | 6500   |



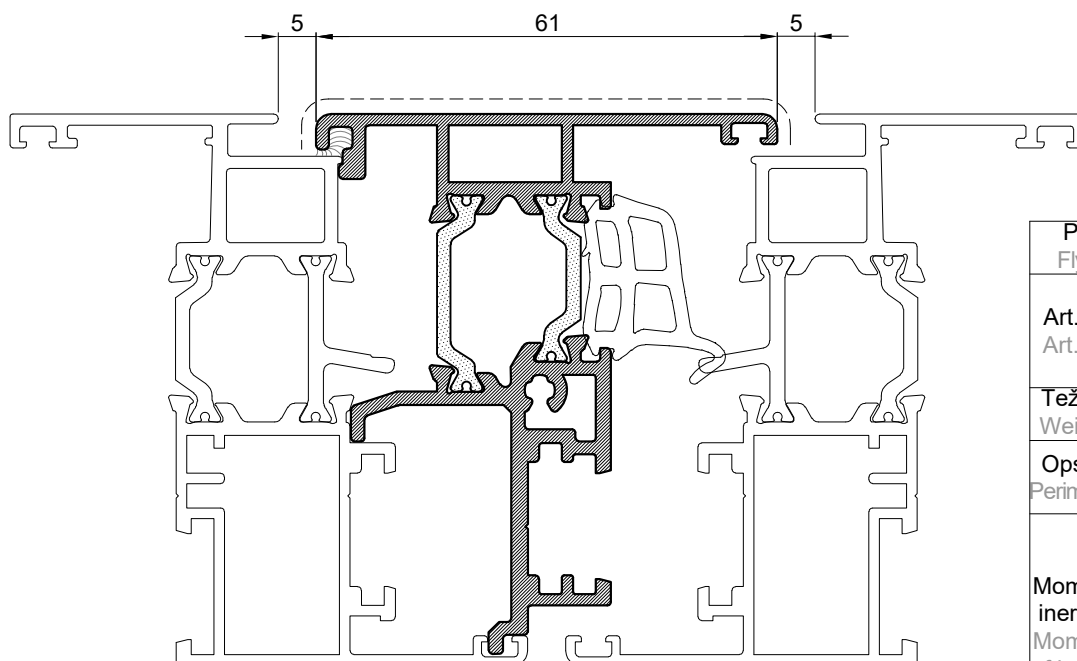
| Profil parapetne prečke<br>Profile spandrel mullion |                                      |       |
|---|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                                  | <b>FT-0282</b>                       |       |
| Težina<br>Weight                                    | kg/m                                 | 3.53  |
| Opseg<br>Perimeter                                  | mm                                   | 642   |
| Moment<br>inercije<br>Moment<br>of inertia          | I <sub>x</sub><br>(cm <sup>4</sup> ) | 67.89 |
|   | I <sub>y</sub><br>(cm <sup>4</sup> ) | 230   |
|   | W <sub>x</sub><br>(cm <sup>3</sup> ) | 22.64 |
|   | W <sub>y</sub><br>(cm <sup>3</sup> ) | 27.94 |
| L   | mm                                   | 6500  |

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

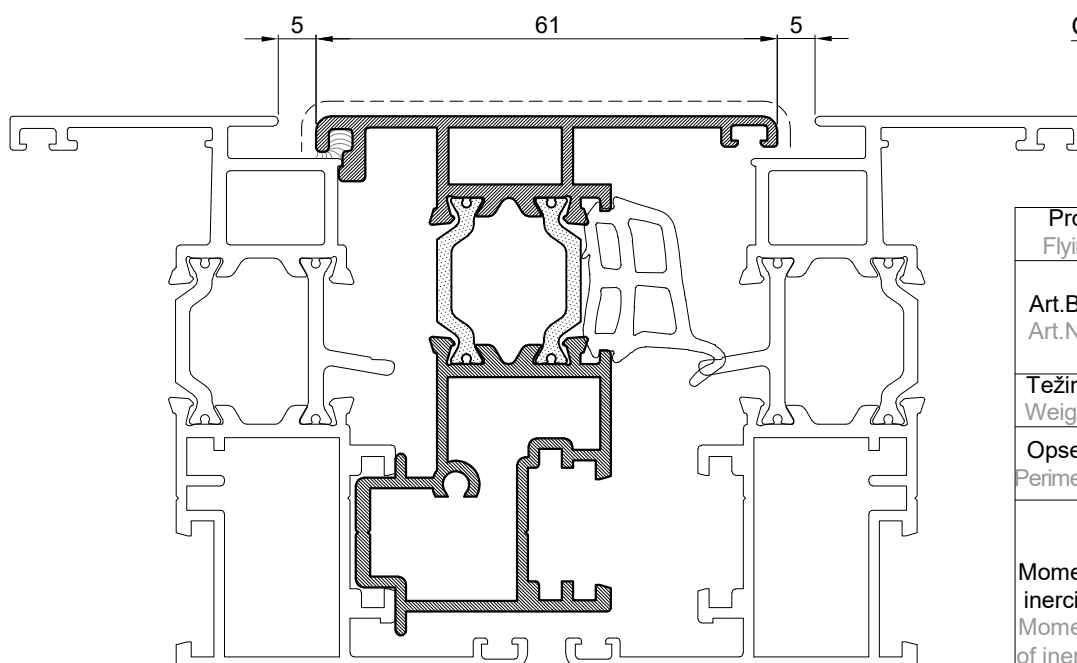


| Profil parapetne prečke<br>Profile spandrel mullion |                                      |        |
|---|--------------------------------------|--------|
| Art.Br.<br>Art.Nr.                                  | <b>FT-0265</b>                       |        |
| Težina<br>Weight                                    | kg/m                                 | 2.769  |
| Opseg<br>Perimeter                                  | mm                                   | 410    |
| Moment<br>inercije<br>Moment<br>of inertia          | I <sub>x</sub><br>(cm <sup>4</sup> ) | 37.23  |
|   | I <sub>y</sub><br>(cm <sup>4</sup> ) | 109.23 |
|   | W <sub>x</sub><br>(cm <sup>3</sup> ) | 13.45  |
|   | W <sub>y</sub><br>(cm <sup>3</sup> ) | 16.51  |
| L   | mm                                   | 6500   |

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



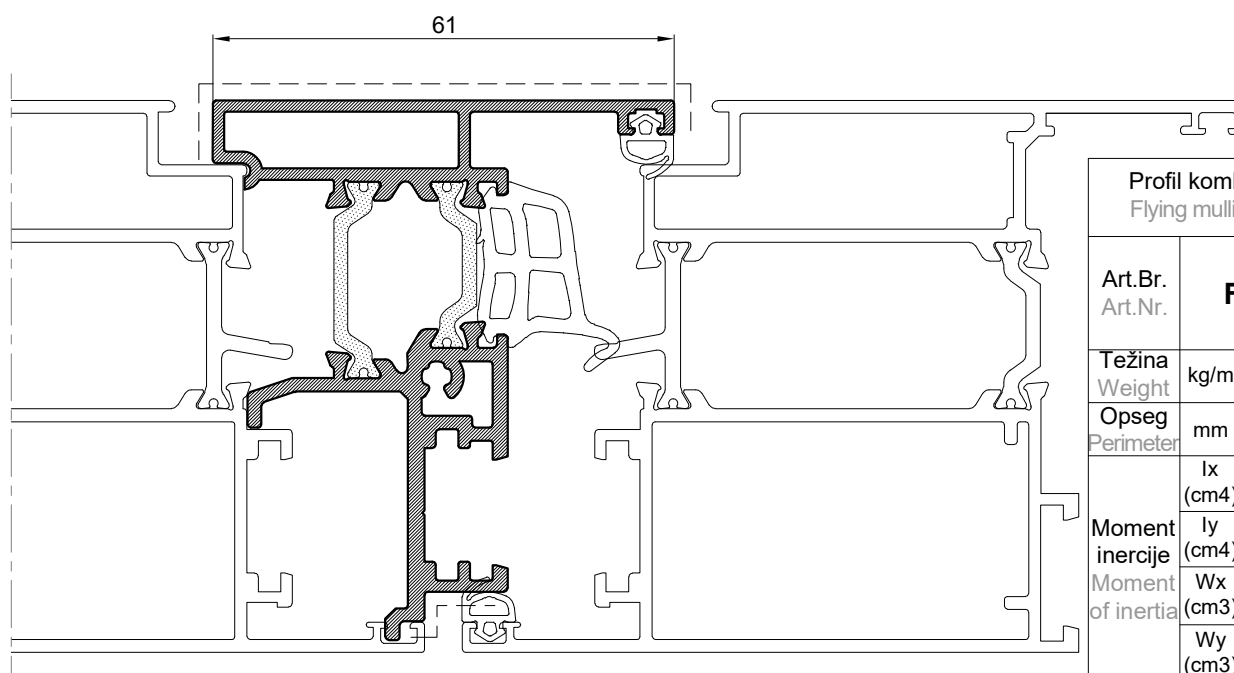
| Profil komb.-za prozor<br>Flying mullion-for window |                |       |
|---|----------------|-------|
| Art.Br.<br>Art.Nr.                                  | <b>FT-0286</b> |       |
| Težina<br>Weight                                    | kg/m           | 1.417 |
| Opseg<br>Perimeter                                  | mm             | 384   |
| Moment<br>inercije<br>Moment<br>of inertia          | Ix<br>(cm4)    | 17.13 |
|   | Iy<br>(cm4)    | 6.51  |
|   | Wx<br>(cm3)    | 5.22  |
|   | Wy<br>(cm3)    | 1.94  |
| L   | mm             | 6500  |



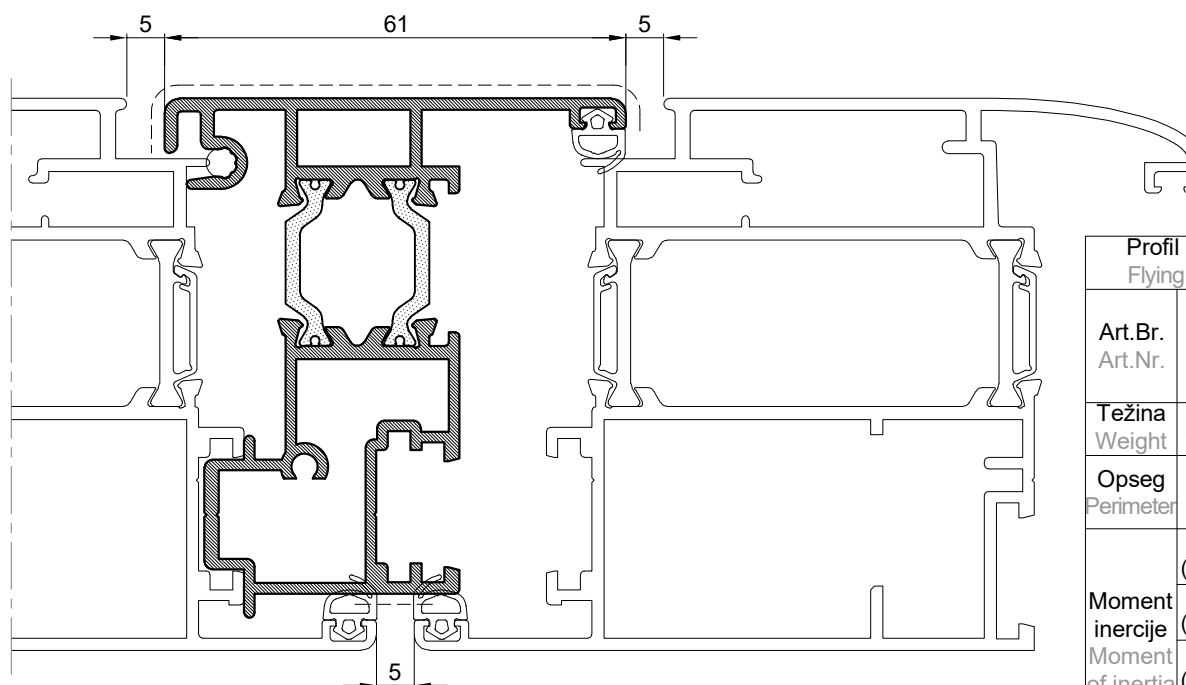
### OPCIJA

| Profil komb.-za prozor<br>Flying mullion-for window |                |       |
|---|----------------|-------|
| Art.Br.<br>Art.Nr.                                  | <b>FT-0211</b> |       |
| Težina<br>Weight                                    | kg/m           | 1.478 |
| Opseg<br>Perimeter                                  | mm             | 375   |
| Moment<br>inercije<br>Moment<br>of inertia          | Ix<br>(cm4)    | 20.07 |
|   | Iy<br>(cm4)    | 7.81  |
|   | Wx<br>(cm3)    | 6.83  |
|   | Wy<br>(cm3)    | 2.17  |
| L   | mm             | 6500  |

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

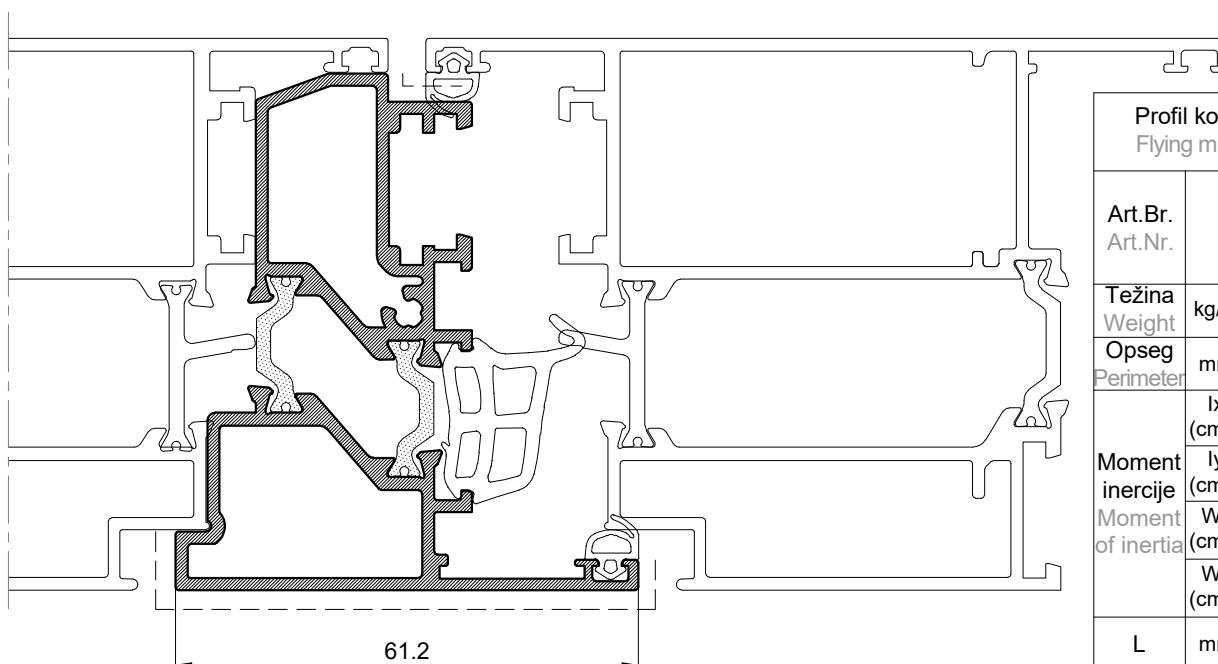


| Profil komb.-za vrata<br>Flying mullion-for door |                |       |
|--|----------------|-------|
| Art.Br.<br>Art.Nr.                               | <b>FT-0277</b> |       |
| Težina<br>Weight                                 | kg/m           | 1.451 |
| Opseg<br>Perimeter                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

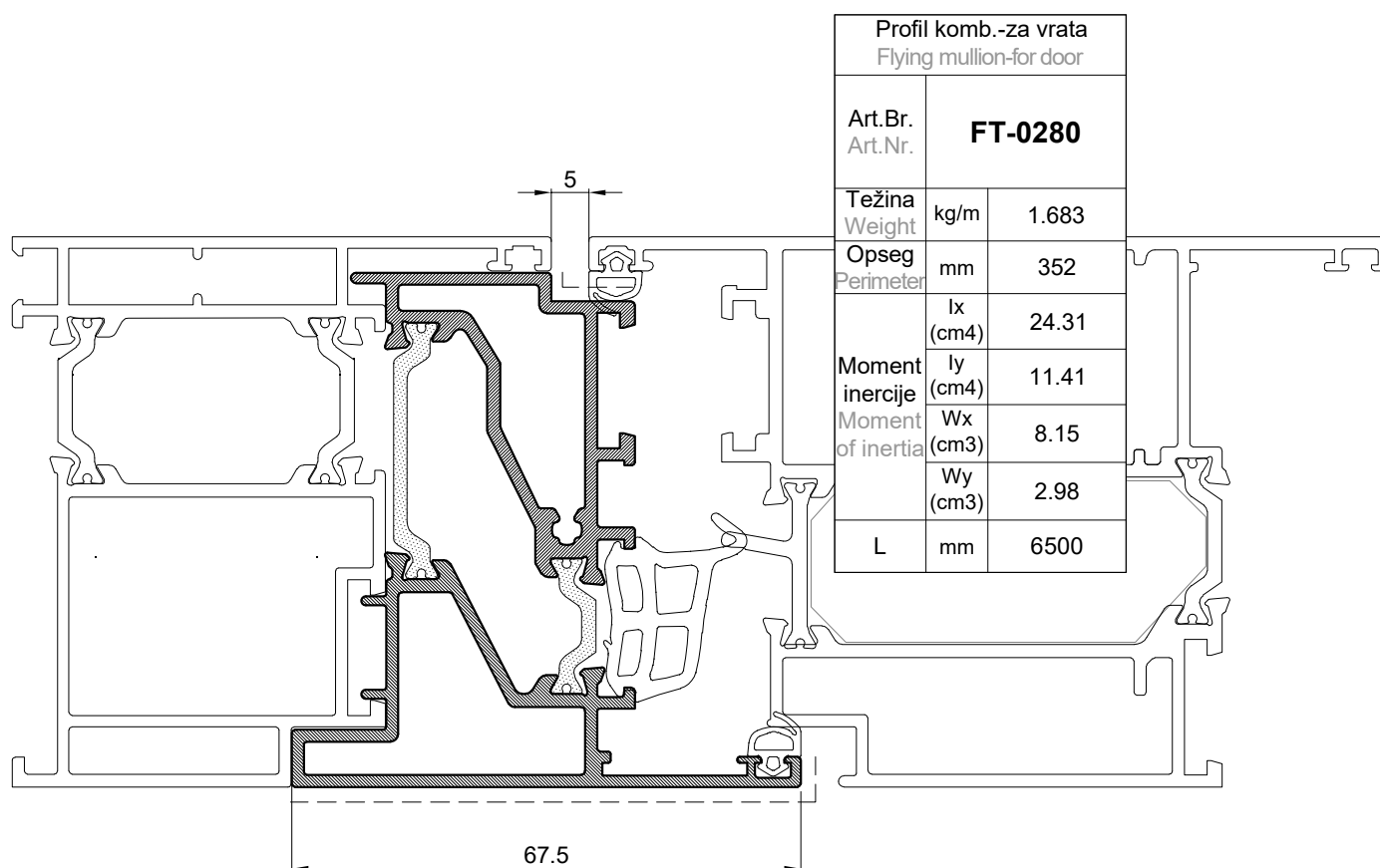


| Profil komb.-za vrata<br>Flying mullion-for door |                  |       |
|--|------------------|-------|
| Art.Br.<br>Art.Nr.                               | <b>FT-0211-A</b> |       |
| Težina<br>Weight                                 | kg/m             | 1.492 |
| Opseg<br>Perimeter        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

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



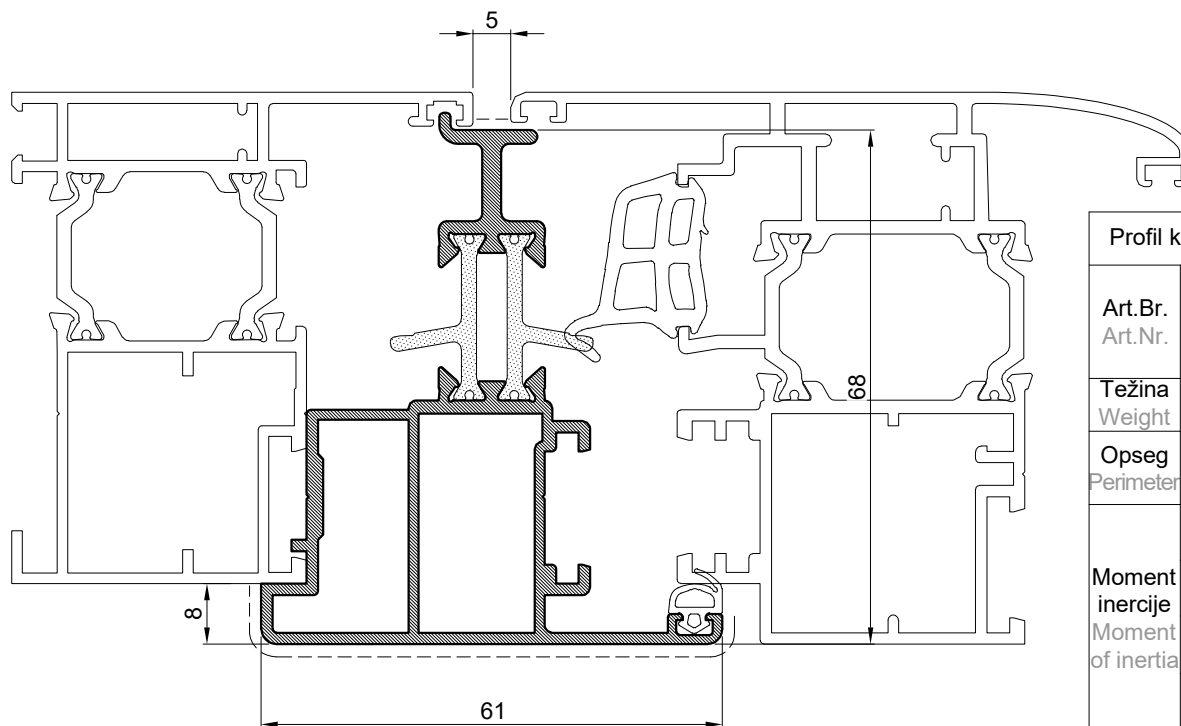
| Profil komb.-za vrata<br>Flying mullion-for door |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                               | <b>FT-0281</b>                       |       |
| Težina<br>Weight                                 | kg/m                                 | 1.508 |
| Opseg<br>Perimeter                               | mm                                   | 344   |
| Moment<br>inerције<br>Moment<br>of inertia       | I <sub>x</sub><br>(cm <sup>4</sup> ) | 19.41 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 8.84  |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 6.44  |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 2.42  |
| L  | mm                                   | 6500  |



| Profil komb.-za vrata<br>Flying mullion-for door |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                               | <b>FT-0280</b>                       |       |
| Težina<br>Weight                                 | kg/m                                 | 1.683 |
| Opseg<br>Perimeter                               | mm                                   | 352   |
| Moment<br>inercije<br>Moment<br>of inertia       | I <sub>x</sub><br>(cm <sup>4</sup> ) | 24.31 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 11.41 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 8.15  |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 2.98  |
| L  | mm                                   | 6500  |

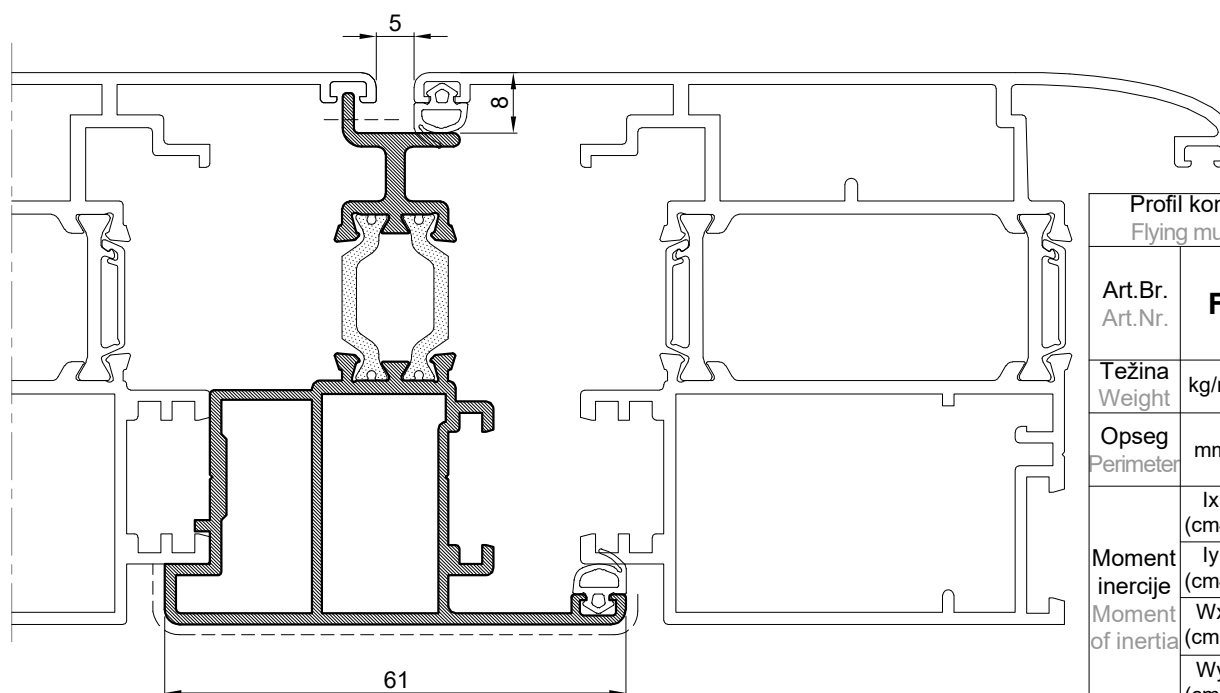
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”  
PROFILE WITH XPS HAVE ENDING „F”





Profil komb. Flying mullion

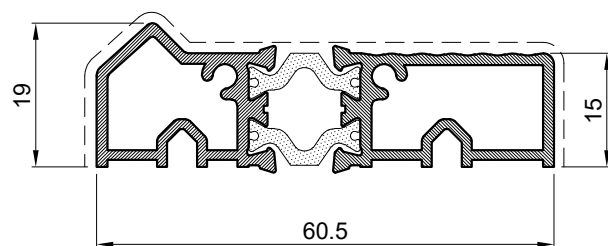
|  |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0213</b>                       |       |
| Težina<br>Weight                           | kg/m                                 | 1.339 |
| Opseg<br>Perimeter                         | mm                                   | 376   |
| Moment<br>inercije<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 15.81 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 18.16 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 4.45  |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 2.38  |
| L  | mm                                   | 6500  |



Profil komb.-za vrata  
Flying mullion-for door

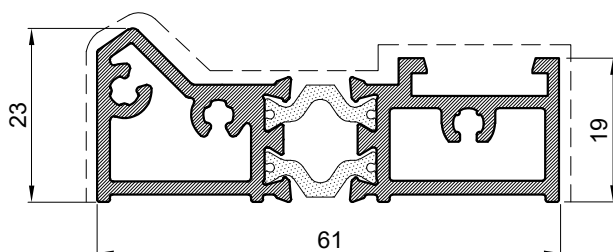
|  |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0213-A</b>                     |       |
| Težina<br>Weight                           | kg/m                                 | 1.293 |
| Opseg<br>Perimeter                         | mm                                   | 333   |
| Moment<br>inercije<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 15.6  |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 8.21  |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 4.39  |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 2.4   |
| L  | mm                                   | 6500  |

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



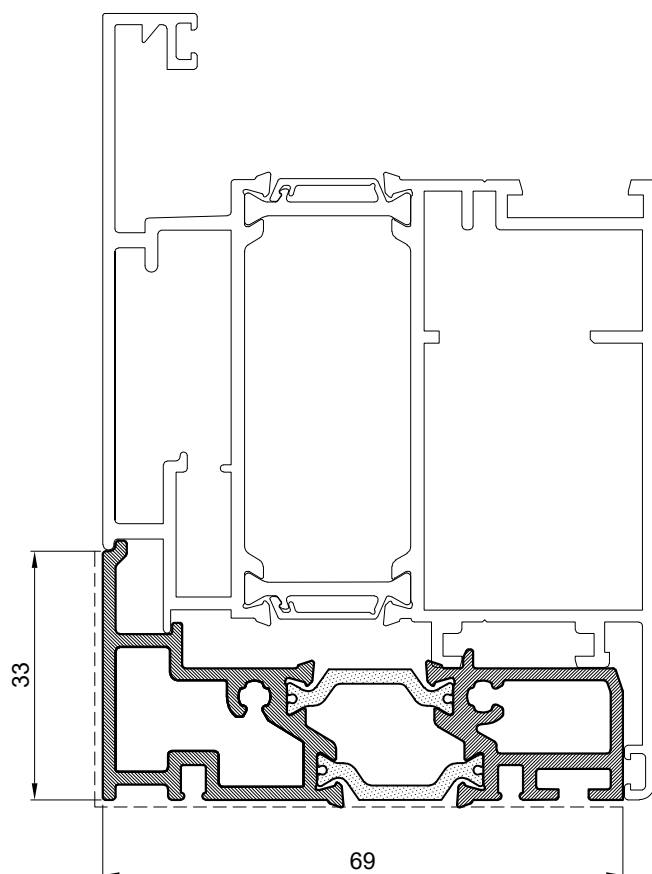
Profil praga Profile threshold

|                    |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>FT-0223</b> |       |
| Težina<br>Weight   | kg/m           | 0.832 |
| Opseg<br>Perimeter | mm             | 175   |
| L                  | mm             | 6500  |



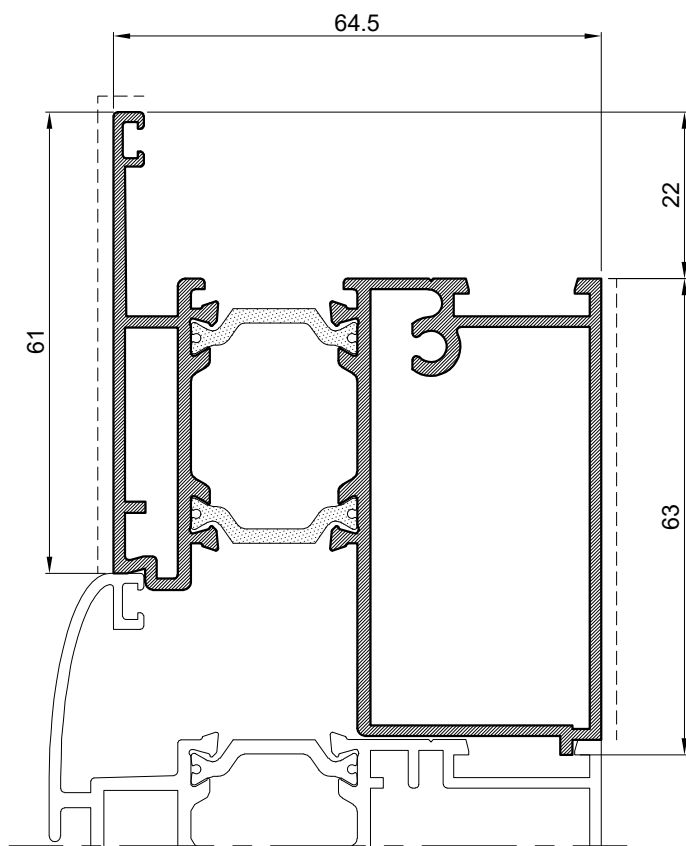
Profil praga Profile threshold

|                    |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>FT-0294</b> |       |
| Težina<br>Weight   | kg/m           | 1.136 |
| Opseg<br>Perimeter | mm             | 206   |
| L                  | mm             | 6500  |

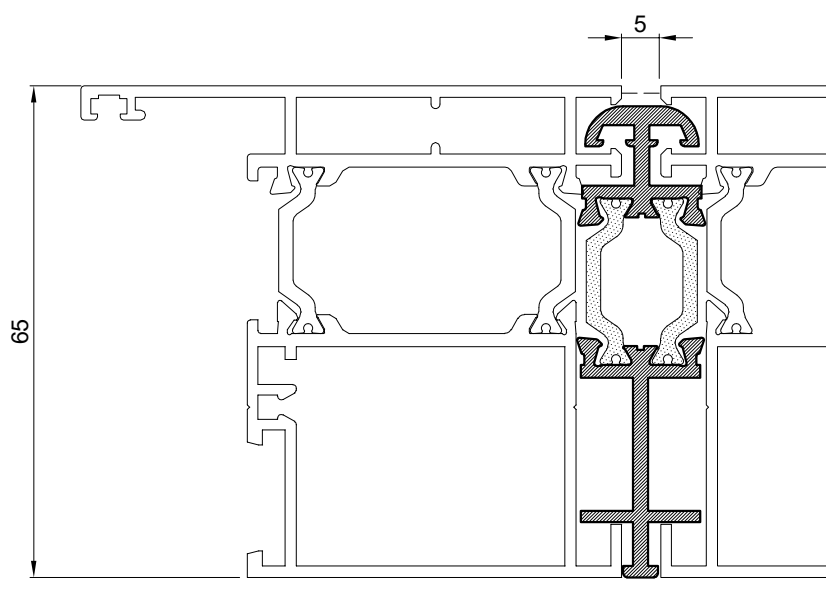
Profil parapeta  
Profile spandrel

|  |                |       |
|--|----------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0288</b> |       |
| Težina<br>Weight                           | kg/m           | 1.251 |
| Opseg<br>Perimeter                         | mm             | 260   |
| Moment<br>inercije<br>Moment<br>of inertia | Ix<br>(cm4)    | 2.45  |
|  | Iy<br>(cm4)    | 16.19 |
|  | Wx<br>(cm3)    | 1.03  |
|  | Wy<br>(cm3)    | 5.83  |
| L  | mm             | 6500  |

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

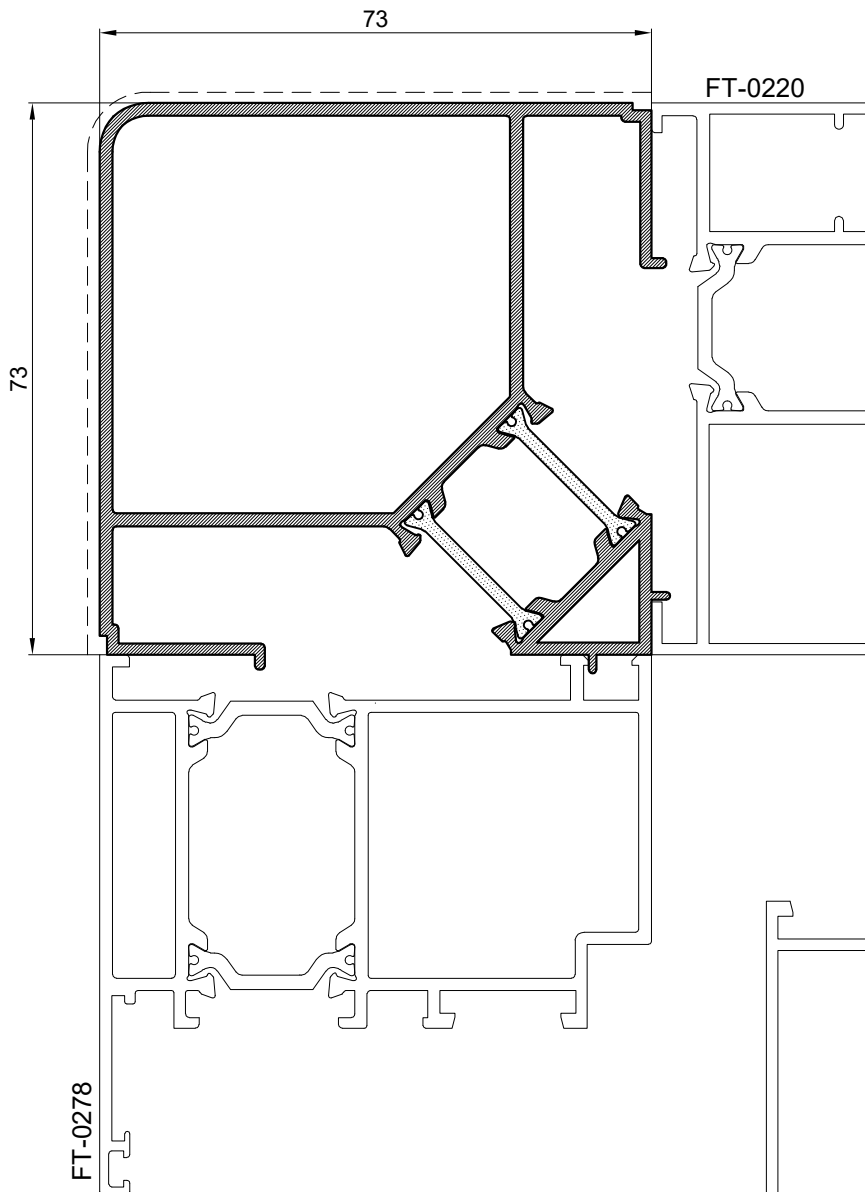


| Parapetni profil<br>Spandrel profile       |                          |       |
|--|--------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0228</b>           |       |
| Težina<br>Weight                           | kg/m                     | 1.707 |
| Opseg<br>Perimeter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



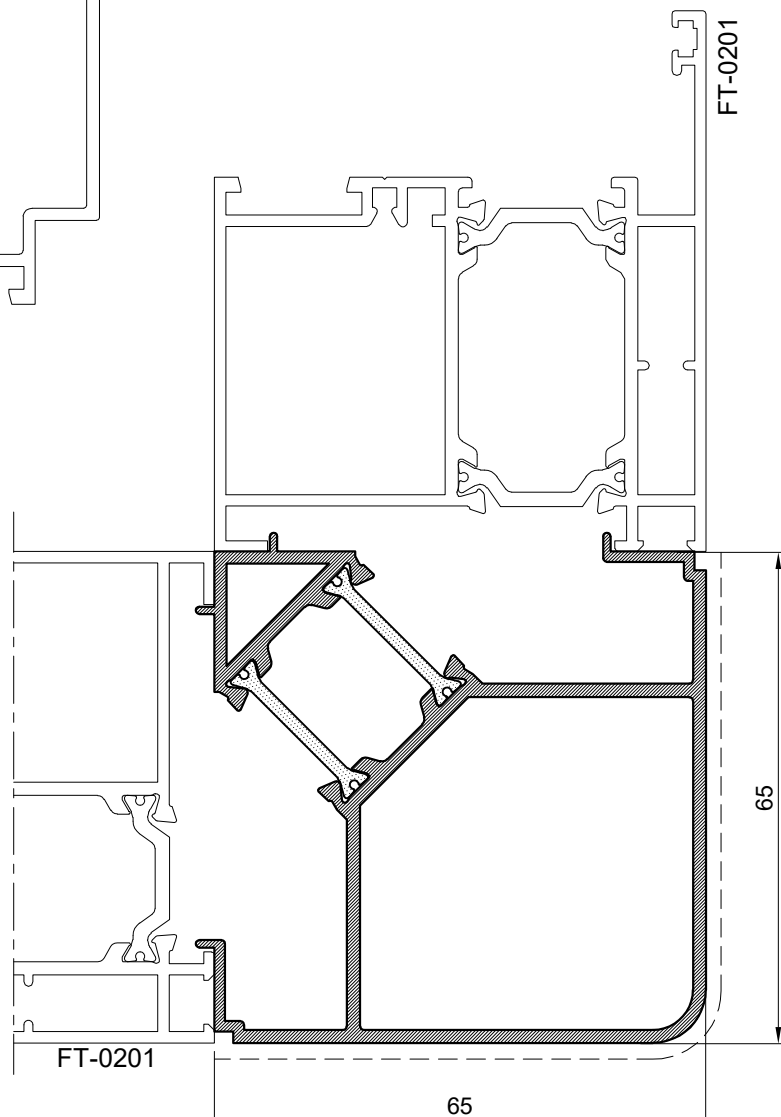
| Vezni profil<br>Connection profile         |                          |       |
|--|--------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0216</b>           |       |
| Težina<br>Weight                           | kg/m                     | 0.830 |
| Opseg<br>Perimeter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

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

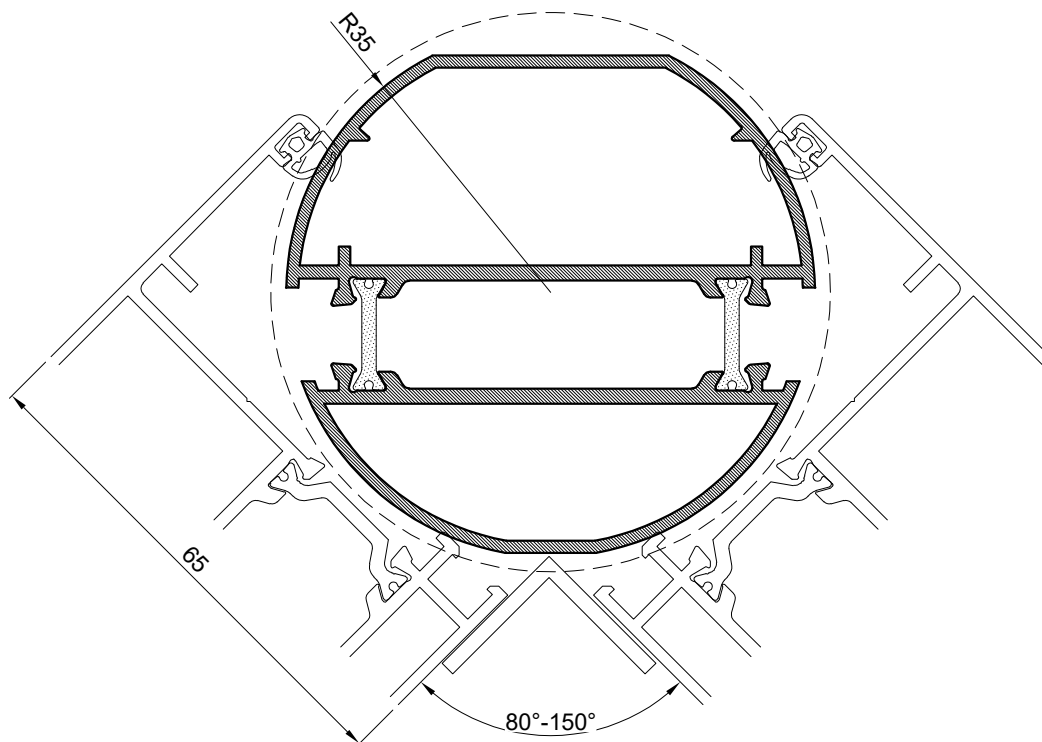


| Profil za kut 90°<br>Profile for corner 90° |                                      |       |
|---|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                          | <b>FT-0235</b>                       |       |
| Težina<br>Weight                            | kg/m                                 | 1.796 |
| Opseg<br>Perimeter                          | mm                                   | 448   |
| Moment<br>inercije<br>Moment<br>of inertia  | I <sub>x</sub><br>(cm <sup>4</sup> ) | 39.33 |
|   | I <sub>y</sub><br>(cm <sup>4</sup> ) | 42.91 |
|   | W <sub>x</sub><br>(cm <sup>3</sup> ) | 11.34 |
|   | W <sub>y</sub><br>(cm <sup>3</sup> ) | 11.34 |
| L   | mm                                   | 6500  |

| Profil za kut 90°<br>Profile for corner 90° |                                      |       |
|---|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                          | <b>FT-0222</b>                       |       |
| Težina<br>Weight                            | kg/m                                 | 1.586 |
| Opseg<br>Perimeter                          | mm                                   | 390   |
| Moment<br>inercije<br>Moment<br>of inertia  | I <sub>x</sub><br>(cm <sup>4</sup> ) | 25.78 |
|   | I <sub>y</sub><br>(cm <sup>4</sup> ) | 28.54 |
|   | W <sub>x</sub><br>(cm <sup>3</sup> ) | 8.31  |
|   | W <sub>y</sub><br>(cm <sup>3</sup> ) | 8.31  |
| L   | mm                                   | 6500  |



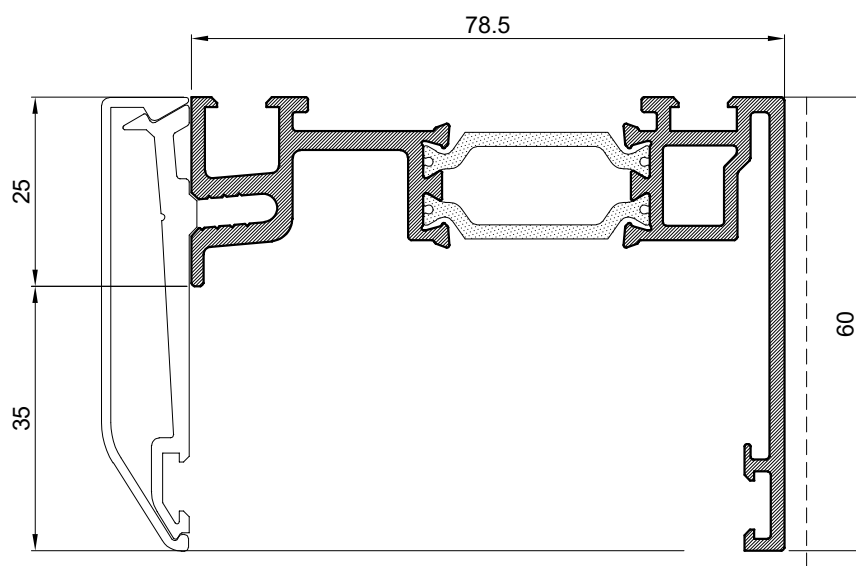
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”  
PROFILE WITH XPS HAVE ENDING „F”



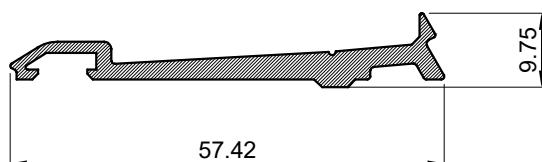
Profil za promjenjivi kut  
Profile for changeable corner

|  |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0217</b>                       |       |
| Težina<br>Weight                           | kg/m                                 | 1.780 |
| Opseg<br>Perimeter                         | mm                                   | 269   |
| Moment<br>inercije<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 16.92 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 27.48 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 6.4   |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 7.85  |
| L  | mm                                   | 6500  |

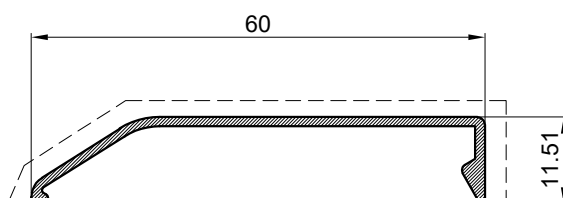
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”  
PROFILE WITH XPS HAVE ENDING „F”



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

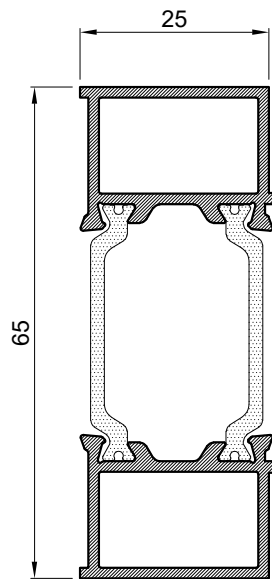


| Profil za ugradnju<br>Installation profile |               |       |
|--|---------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>F-1190</b> |       |
| Težina<br>Weight                           | kg/m          | 0.461 |
| Opseg<br>Perimeter                         | mm         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

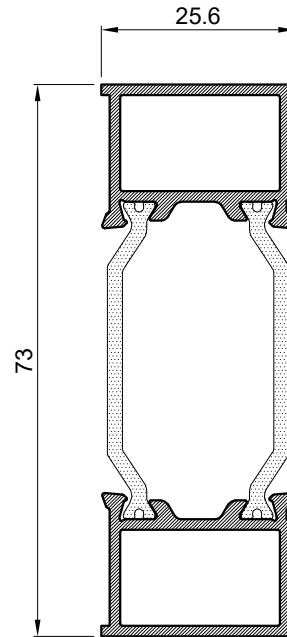


| Profil za ugradnju<br>Installation profile |               |       |
|--|---------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FM-072</b> |       |
| Težina<br>Weight                           | kg/m          | 0.258 |
| Opseg<br>Perimeter                         | mm         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

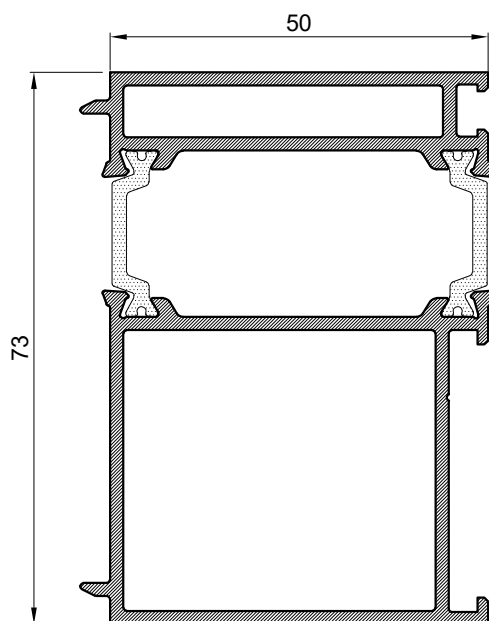
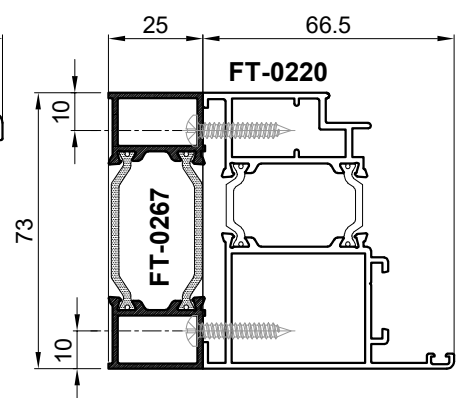
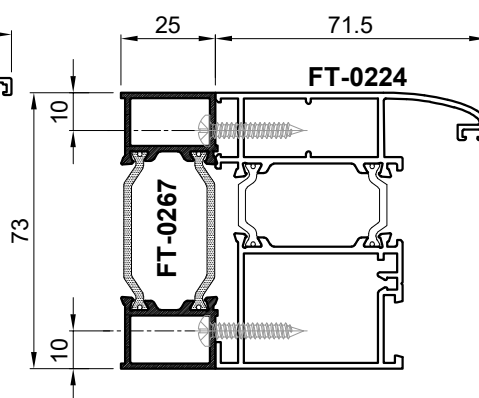
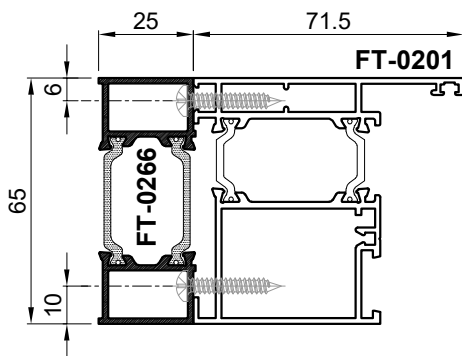
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”  
PROFILE WITH XPS HAVE ENDING „F”



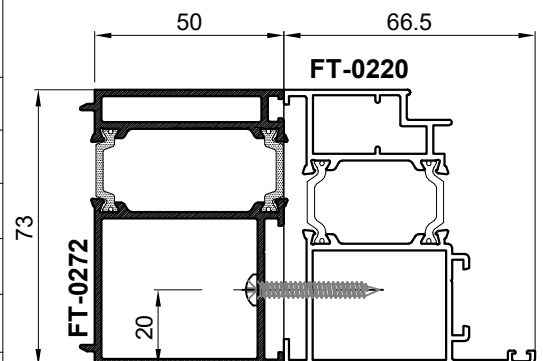
| Profil za proširenje rama<br>Frame extension profile |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                                   | <b>FT-0266</b>                       |       |
| Težina<br>Weight                                     | kg/m                                 | 1.693 |
| Opseg<br>Opseg                                       | mm                                   | 196   |
| Moment<br>inerције<br>Moment<br>of inertia           | I <sub>x</sub><br>(cm <sup>4</sup> ) | 10.08 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 2.02  |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 4.59  |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 1.56  |
| L  | mm                                   | 6500  |



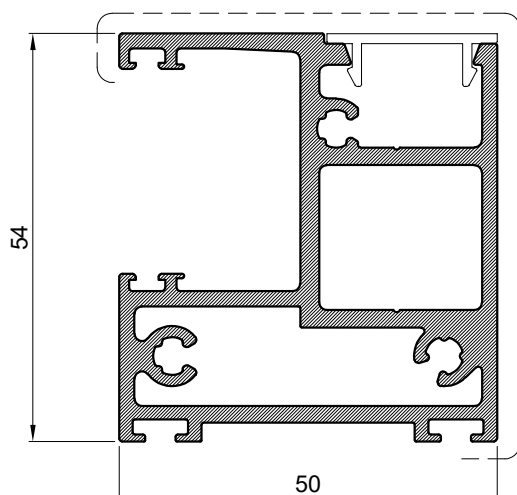
| Profil za proširenje rama<br>Frame extension profile |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                                   | <b>FT-0267</b>                       |       |
| Težina<br>Weight                                     | kg/m                                 | 0.946 |
| Opseg<br>Opseg                                       | mm                                   | 212   |
| Moment<br>inerције<br>Moment<br>of inertia           | I <sub>x</sub><br>(cm <sup>4</sup> ) | 14.46 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 2.02  |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 5.52  |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 1.56  |
| L  | mm                                   | 6500  |



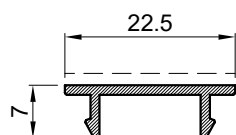
| Profil za proširenje rama<br>Frame extension profile |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                                   | <b>FT-0272</b>                       |       |
| Težina<br>Weight                                     | kg/m                                 | 1.693 |
| Opseg<br>Opseg                                       | mm                                   | 289   |
| Moment<br>inerције<br>Moment<br>of inertia           | I <sub>x</sub><br>(cm <sup>4</sup> ) | 29.92 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 18.21 |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 9.51  |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 6.5   |
| L  | mm                                   | 6500  |



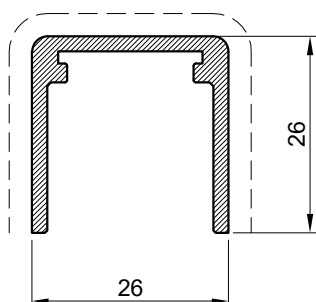
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”  
PROFILE WITH XPS HAVE ENDING „F”



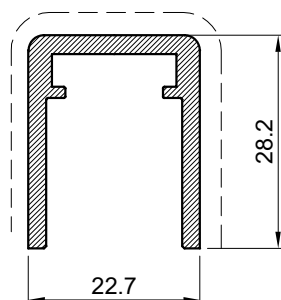
| Profil francuskog balkona<br>French balcony profile |               |      |
|---|---------------|------|
| Art.Br.<br>Art.Nr.                                  | <b>F-1569</b> |      |
| Težina<br>Weight                                    | kg/m          | 1.78 |
| Opseg<br>Perimeter              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



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

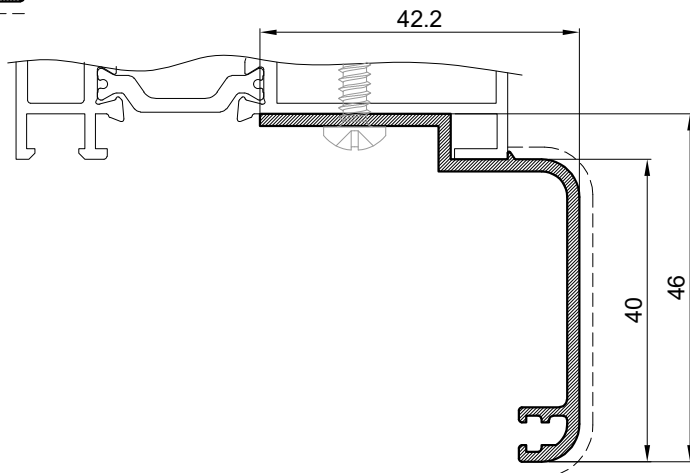
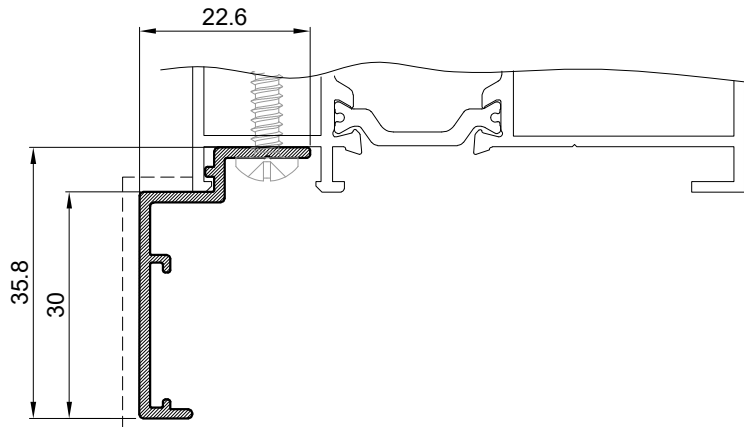
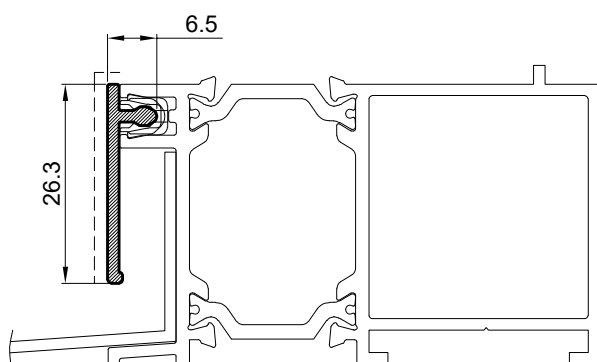
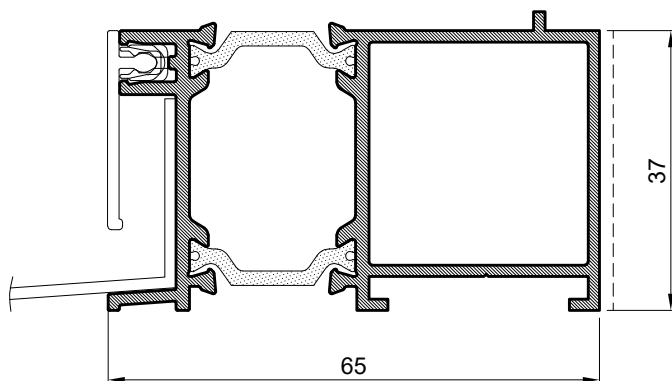


| Profil rukovata za 1010.4<br>Handrail profile for 1010.4 |               |       |
|--|---------------|-------|
| Art.Br.<br>Art.Nr.                                       | <b>F-1437</b> |       |
| Težina<br>Weight   | kg/m          | 0.444 |
| Opseg<br>Perimeter                                  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



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





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

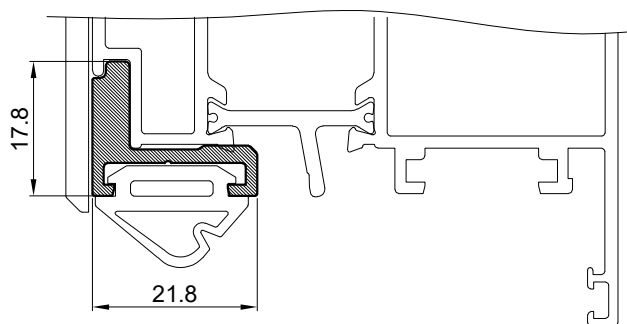
| Profil Profile     |               |       |
|--------------------|---------------|-------|
| Art.Br.<br>Art.Nr. | <b>F-1552</b> |       |
| Težina<br>Weight   | kg/m          | 0.133 |
| Opseg<br>Perimeter | mm            | 66    |
| L                  | mm            | 6500  |

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

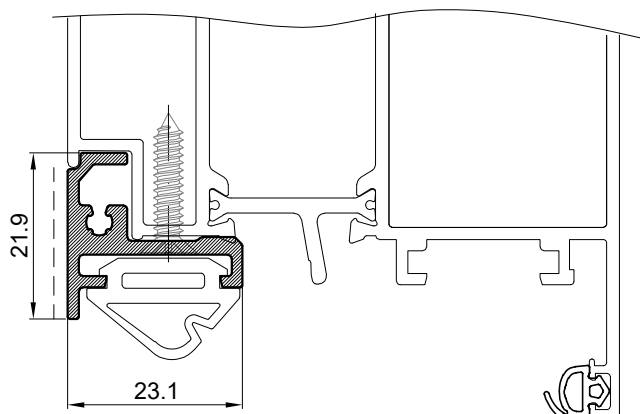
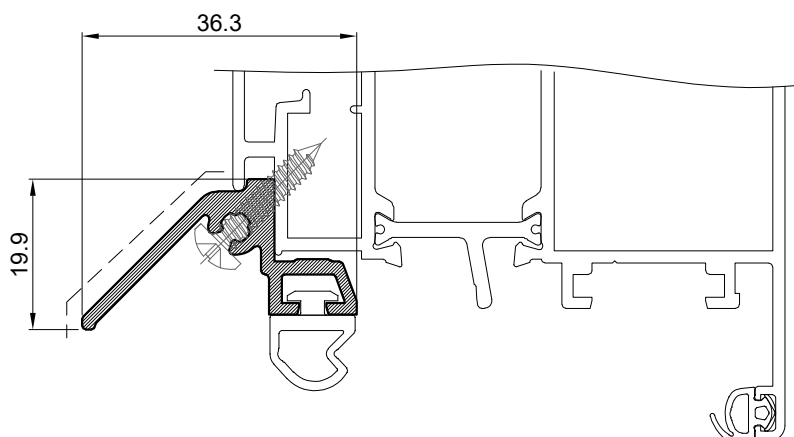
| Profil Profile     |               |       |
|--------------------|---------------|-------|
| Art.Br.<br>Art.Nr. | <b>F-1309</b> |       |
| Težina<br>Weight   | kg/m          | 0.415 |
| Opseg<br>Perimeter | mm            | 200   |
| L                  | mm            | 6500  |

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

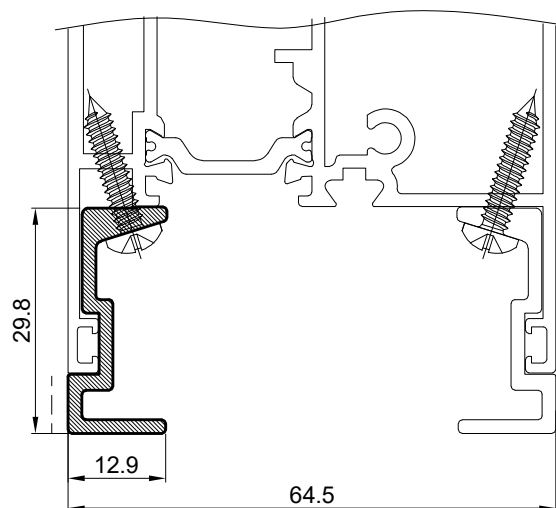
| Profile Profile    |               |       |
|--------------------|---------------|-------|
| Art.Br.<br>Art.Nr. | <b>F-1661</b> |       |
| Težina<br>Weight   | kg/m          | 0.308 |
| Opseg<br>Perimeter | mm            | 94    |
| L                  | mm            | 6500  |



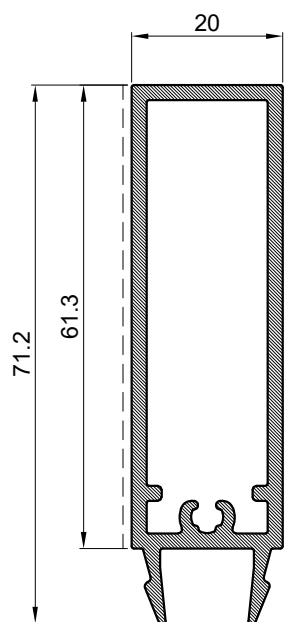
| Profile Profile    |               |       |
|--------------------|---------------|-------|
| Art.Br.<br>Art.Nr. | <b>F-1567</b> |       |
| Težina<br>Weight   | kg/m          | 0.397 |
| Opseg<br>Perimeter | mm            | 146   |
| L                  | mm            | 6500  |



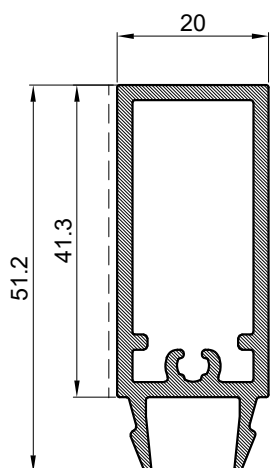
| Profile Profile    |               |       |
|--------------------|---------------|-------|
| Art.Br.<br>Art.Nr. | <b>F-1483</b> |       |
| Težina<br>Weight   | kg/m          | 0.314 |
| Opseg<br>Perimeter | mm            | 127   |
| L                  | mm            | 6500  |



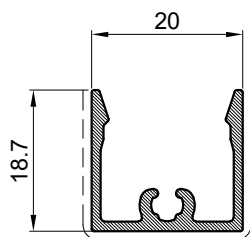
| Profile Profile    |               |       |
|--------------------|---------------|-------|
| Art.Br.<br>Art.Nr. | <b>F-1408</b> |       |
| Težina<br>Weight   | kg/m          | 0.312 |
| Opseg<br>Perimeter | mm            | 112   |
| L                  | mm            | 6500  |



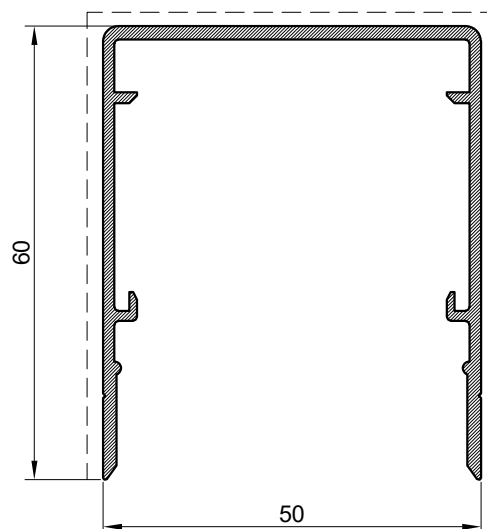
| Profil ojačanja prečke<br>Window crossbar<br>reinforcement |                          |       |
|--|--------------------------|-------|
| Art.Br.<br>Art.Nr.   | <b>NP-4183</b>           |       |
| Težina<br>Weight   | kg/m                     | 0.990 |
| Opseg<br>Perimeter   | mm                 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



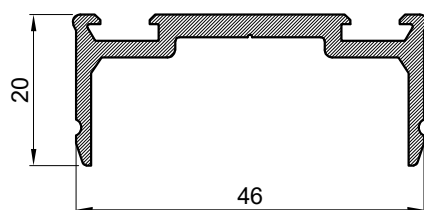
| Profil ojačanja prečke<br>Window crossbar<br>reinforcement |                          |       |
|--|--------------------------|-------|
| Art.Br.<br>Art.Nr.   | <b>F-1634</b>            |       |
| Težina<br>Weight   | kg/m                     | 0.774 |
| Opseg<br>Perimeter   | mm                 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



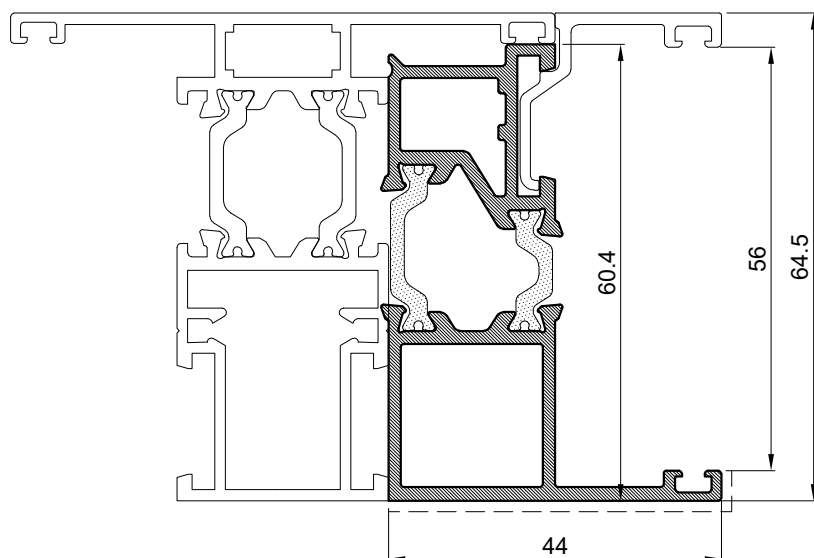
| Maska profila ojačanja<br>Reinforcement profile mask |                |       |
|--|----------------|-------|
| Art.Br.<br>Art.Nr.                                   | <b>NP-4184</b> |       |
| Težina<br>Weight                                     | kg/m           | 0.243 |
| Opseg<br>Perimeter    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



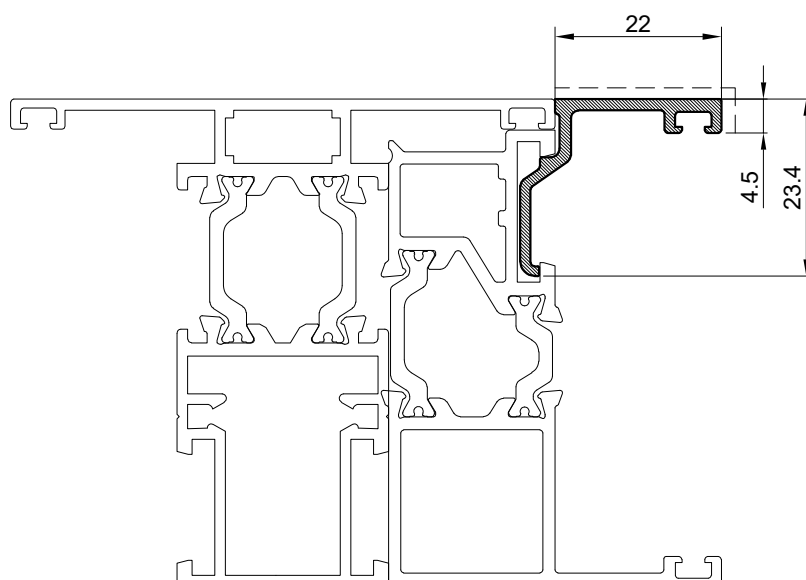
| Profil ojačanja<br>Reinforcement profile |                   |       |
|--|-------------------|-------|
| Art.Br.<br>Art.Nr.                       | <b>FMO 50/20D</b> |       |
| Težina<br>Weight                         | kg/m              | 0.558 |
| Opseg<br>Perimeter                       | mm 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



| Profil ojačanja<br>Reinforcement profile |                  |       |
|--|------------------|-------|
| Art.Br.<br>Art.Nr.                       | <b>FMO 50/61</b> |       |
| Težina<br>Weight                         | kg/m             | 0.785 |
| Opseg<br>Perimeter                       | mm               | 365   |
| L  | mm               | 6500  |



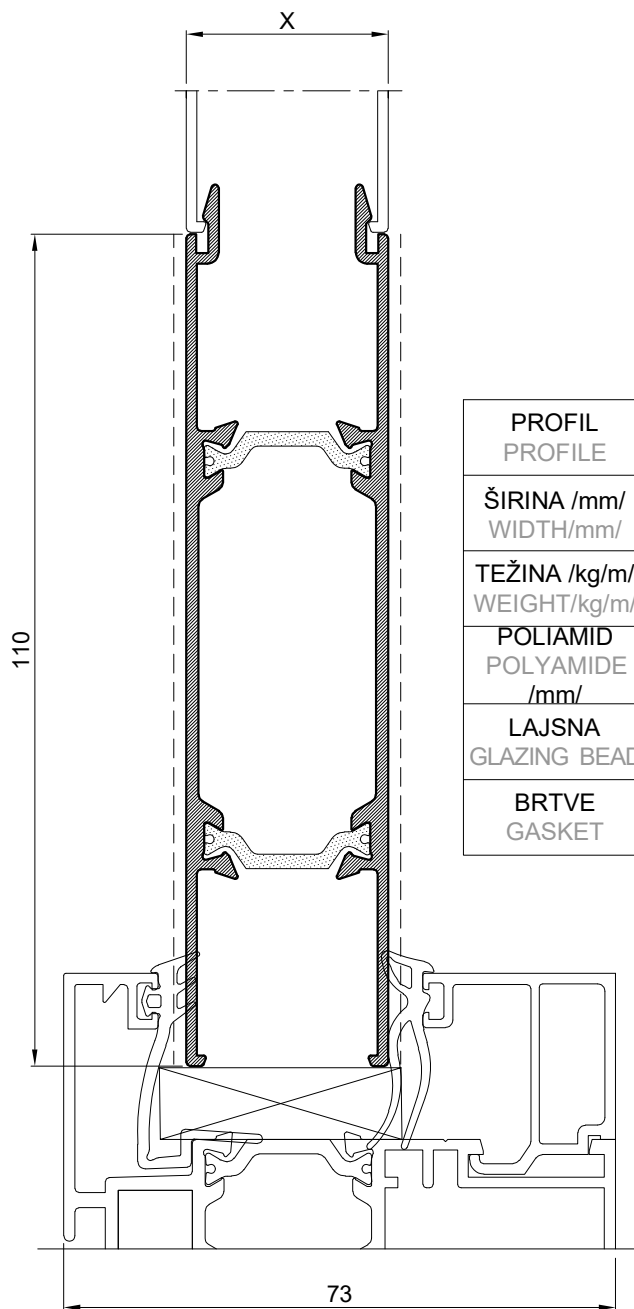
| Profil rama Profile frame                  |                          |       |
|--|--------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0293</b>           |       |
| Težina<br>Weight                           | kg/m                     | 1.183 |
| Opseg<br>Perimeter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



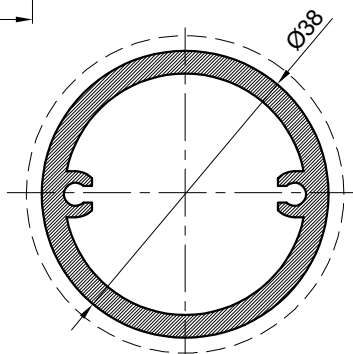
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>NP-4822</b> |       |
| Težina<br>Weight   | kg/m           | 0.218 |
| Opseg<br>Perimeter | mm             | 134   |
| L                  | mm             | 6500  |

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

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

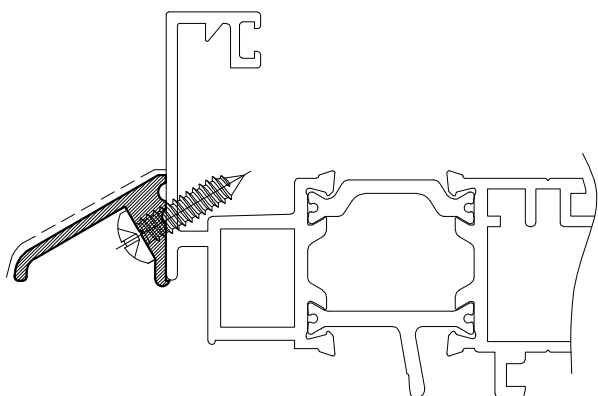


| PROFIL<br>PROFILE             | FT-0142-39           | FT-0142-35           | FT-0142-33           | FT-0142-27           | FT-0142              |
|-------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ŠIRINA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

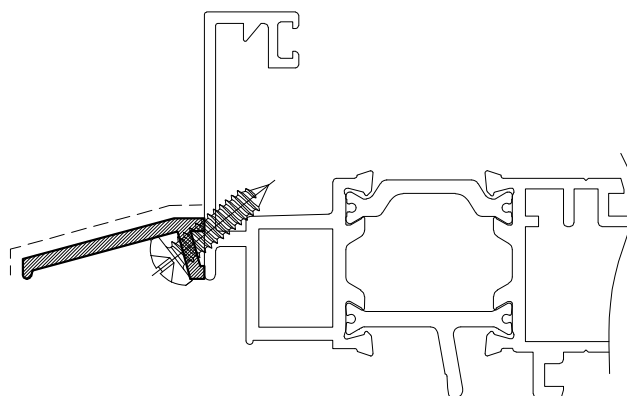


| Profil rukohvata vrata<br>Door handle profile |               |       |
|---|---------------|-------|
| Art.Br.<br>Art.Nr.                            | <b>F-0829</b> |       |
| Težina<br>Weight                              | kg/m          | 0.953 |
| Opseg<br>Perimeter                            |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

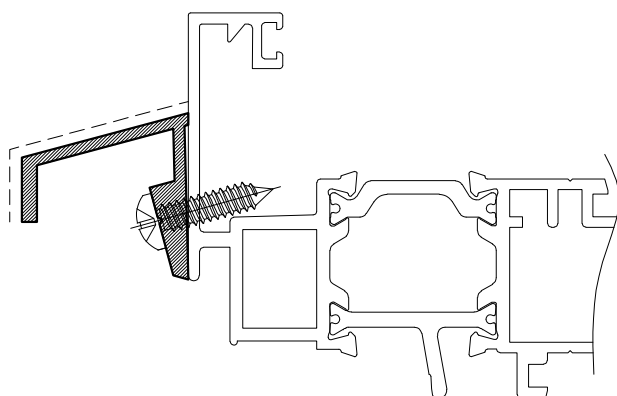
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”  
PROFILE WITH XPS HAVE ENDING „F”



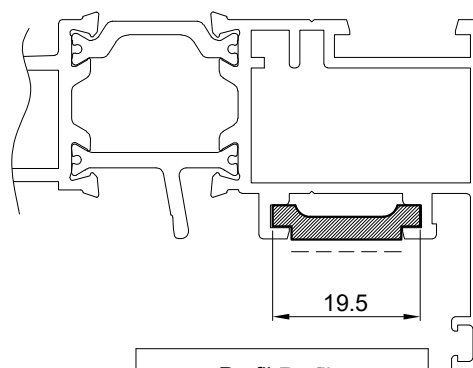
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-657</b> |       |
| Težina<br>Weight   | kg/m           | 0.186 |
| Opseg<br>Perimeter | mm             | 73    |
| L                  | mm             | 6500  |



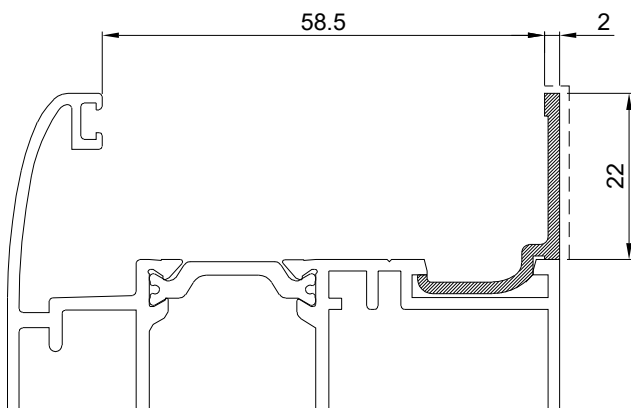
| Profil Profile     |               |       |
|--------------------|---------------|-------|
| Art.Br.<br>Art.Nr. | <b>F-0228</b> |       |
| Težina<br>Weight   | kg/m          | 0.153 |
| Opseg<br>Perimeter | mm            | 68    |
| L                  | mm            | 6500  |



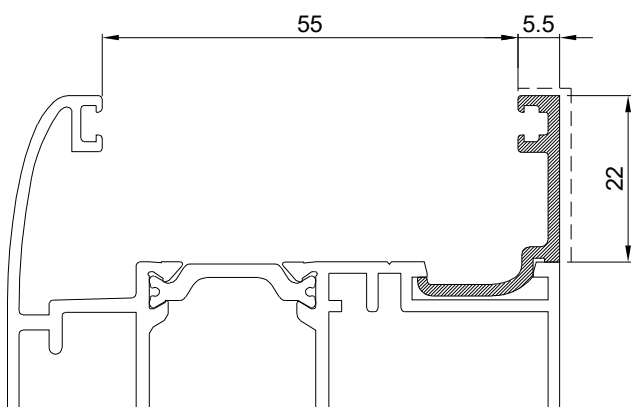
| Profil Profile     |               |       |
|--------------------|---------------|-------|
| Art.Br.<br>Art.Nr. | <b>060350</b> |       |
| Težina<br>Weight   | kg/m          | 0.285 |
| Opseg<br>Perimeter | mm            | 107   |
| L                  | mm            | 6500  |



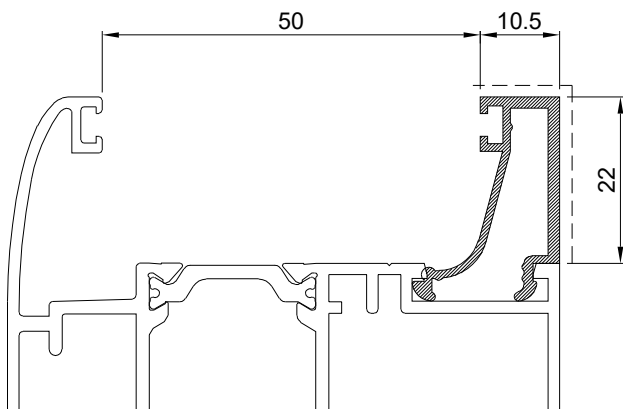
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>NC-1459</b> |       |
| Težina<br>Weight   | kg/m           | 0.156 |
| Opseg<br>Perimeter | mm             | 49    |
| L                  | mm             | 6500  |



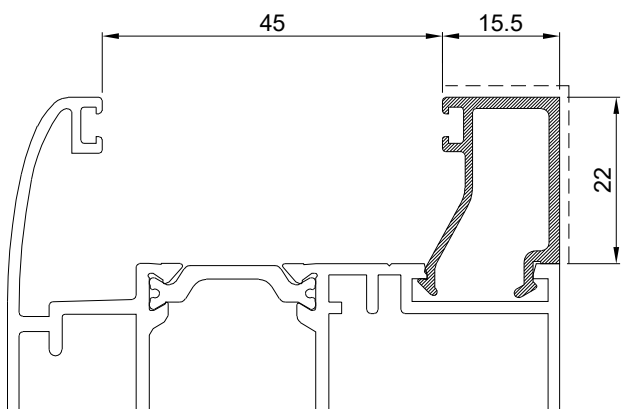
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-660</b> |       |
| Težina<br>Weight   | kg/m           | 0.179 |
| Opseg<br>Perimeter | mm             | 89    |
| L                  | mm             | 6500  |



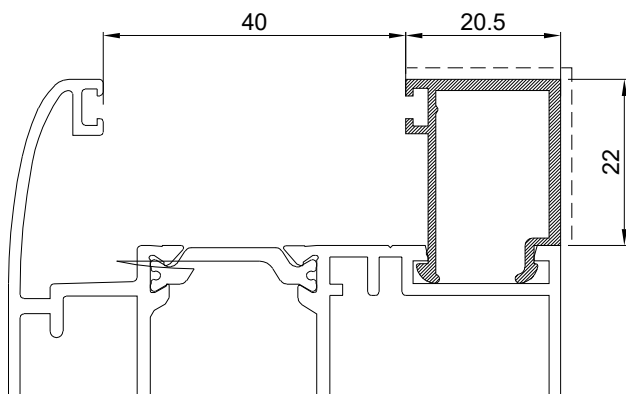
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-656</b> |       |
| Težina<br>Weight   | kg/m           | 0.215 |
| Opseg<br>Perimeter | mm             | 107   |
| L                  | mm             | 6500  |



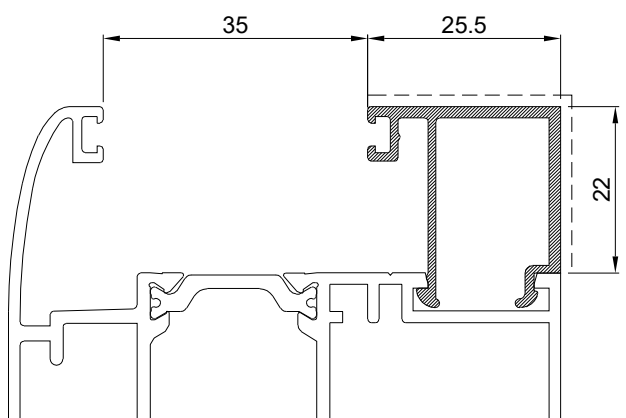
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-636</b> |       |
| Težina<br>Weight   | kg/m           | 0.261 |
| Opseg<br>Perimeter | mm             | 158   |
| L                  | mm             | 6500  |



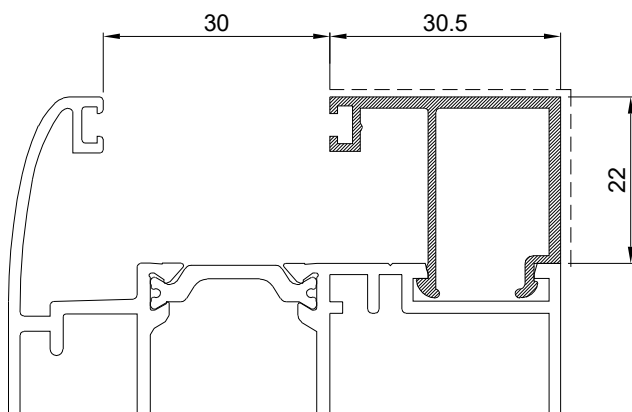
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>M45-709</b> |       |
| Težina<br>Weight   | kg/m           | 0.258 |
| Opseg<br>Perimeter | mm             | 153   |
| L                  | mm             | 6500  |



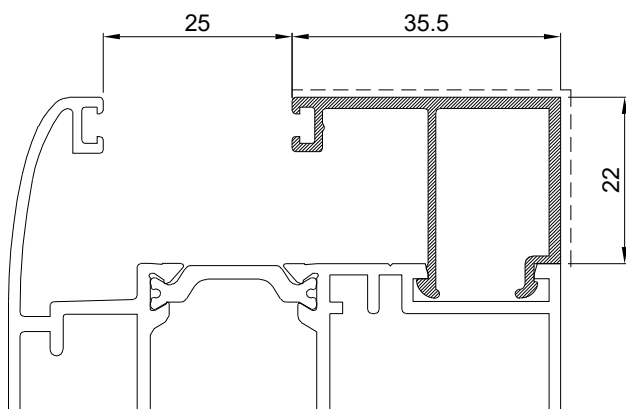
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-644</b> |       |
| Težina<br>Weight   | kg/m           | 0.275 |
| Opseg<br>Perimeter | mm             | 166   |
| L                  | mm             | 6500  |



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

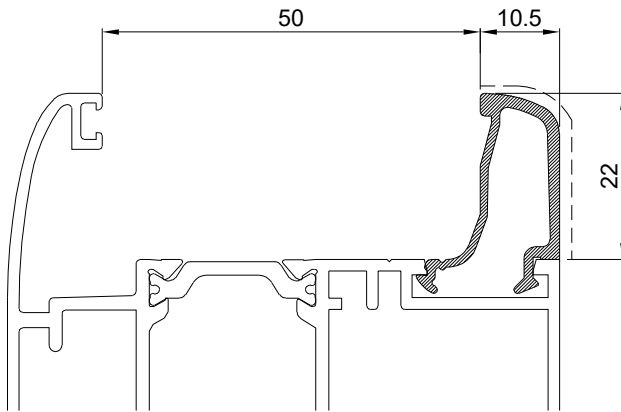


| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-653</b> |       |
| Težina<br>Weight   | kg/m           | 0.347 |
| Opseg<br>Perimeter | mm             | 196   |
| L                  | mm             | 6500  |

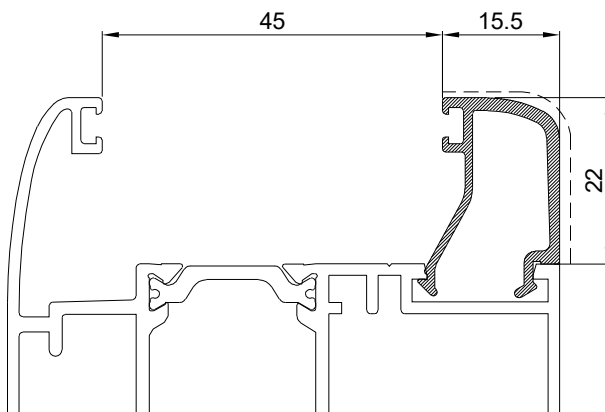


| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-659</b> |       |
| Težina<br>Weight   | kg/m           | 0.359 |
| Opseg<br>Perimeter | mm             | 204   |
| L                  | mm             | 6500  |

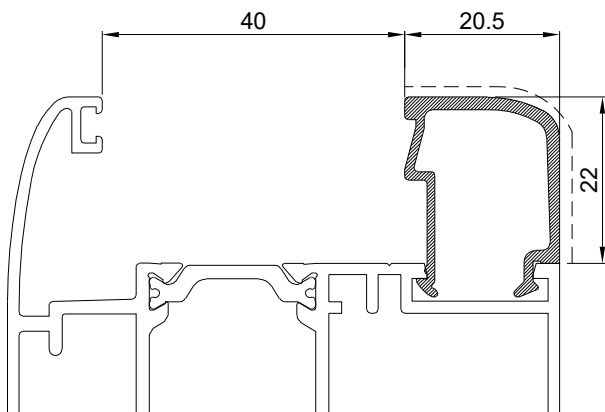




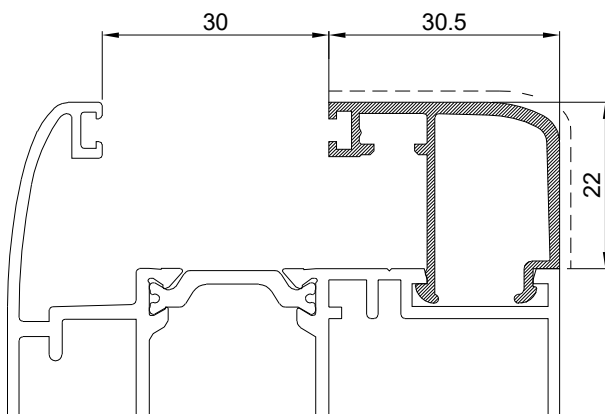
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-647</b> |       |
| Težina<br>Weight   | kg/m           | 0.226 |
| Opseg<br>Perimeter | mm             | 138   |
| L                  | mm             | 6500  |



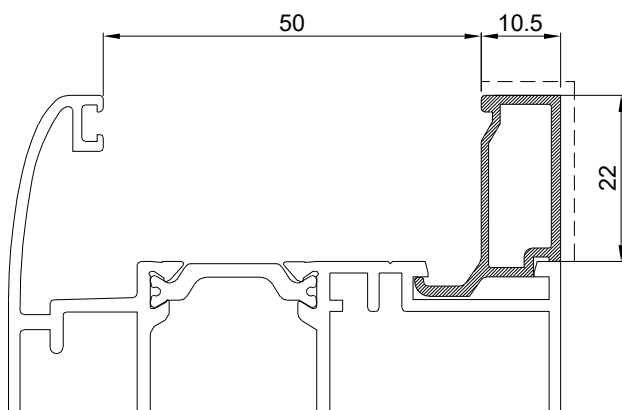
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>M45-740</b> |       |
| Težina<br>Weight   | kg/m           | 0.258 |
| Opseg<br>Perimeter | mm             | 148   |
| L                  | mm             | 6500  |



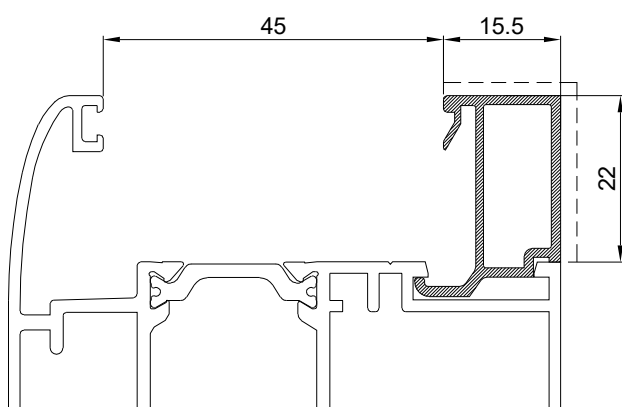
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-646</b> |       |
| Težina<br>Weight   | kg/m           | 0.286 |
| Opseg<br>Perimeter | mm             | 154   |
| L                  | mm             | 6500  |



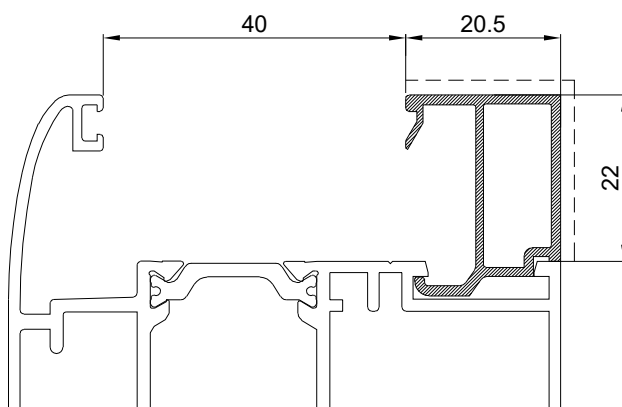
| Profil Profile     |                  |       |
|--------------------|------------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-653/B</b> |       |
| Težina<br>Weight   | kg/m             | 0.356 |
| Opseg<br>Perimeter | mm               | 197   |
| L                  | mm               | 6500  |



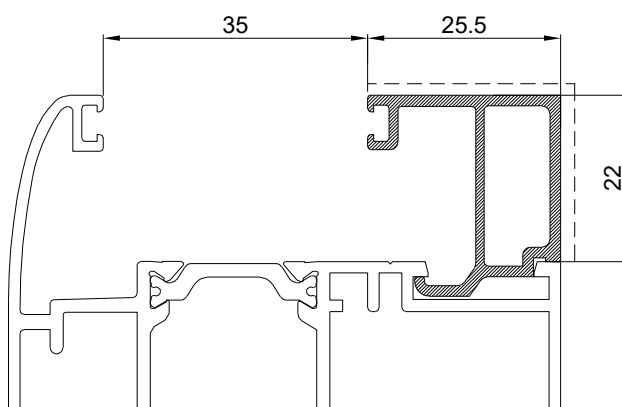
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-664</b> |       |
| Težina<br>Weight   | kg/m           | 0.243 |
| Opseg<br>Perimeter | mm             | 93    |
| L                  | mm             | 6500  |



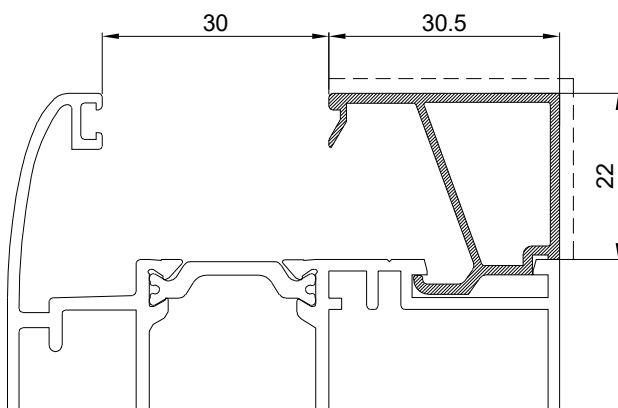
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-665</b> |       |
| Težina<br>Weight   | kg/m           | 0.272 |
| Opseg<br>Perimeter | mm             | 112   |
| L                  | mm             | 6500  |



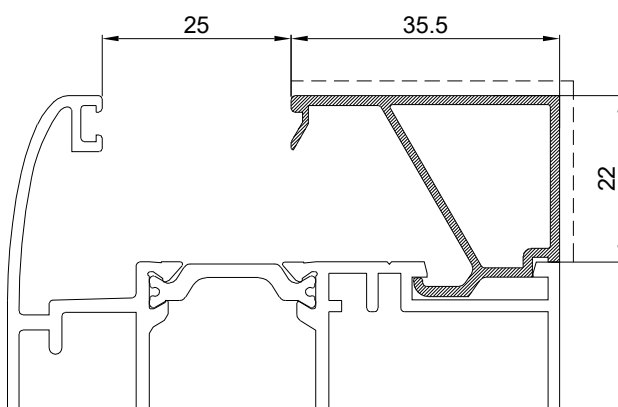
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-666</b> |       |
| Težina<br>Weight   | kg/m           | 0.289 |
| Opseg<br>Perimeter | mm             | 122   |
| L                  | mm             | 6500  |



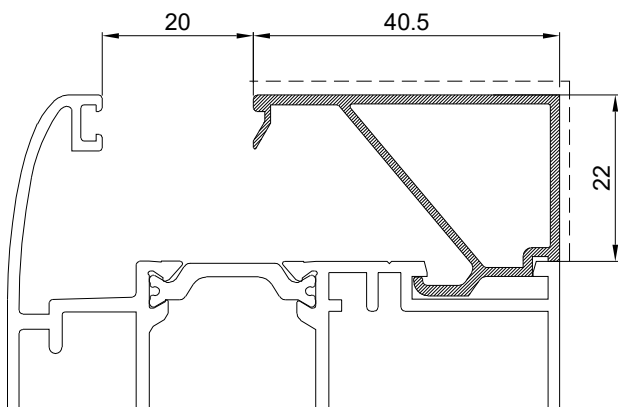
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-667</b> |       |
| Težina<br>Weight   | kg/m           | 0.358 |
| Opseg<br>Perimeter | mm             | 139   |
| L                  | mm             | 6500  |



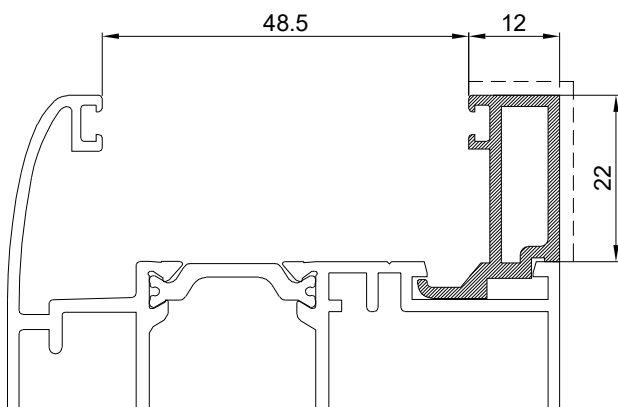
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-668</b> |       |
| Težina<br>Weight   | kg/m           | 0.326 |
| Opseg<br>Perimeter | mm             | 135   |
| L                  | mm             | 6500  |



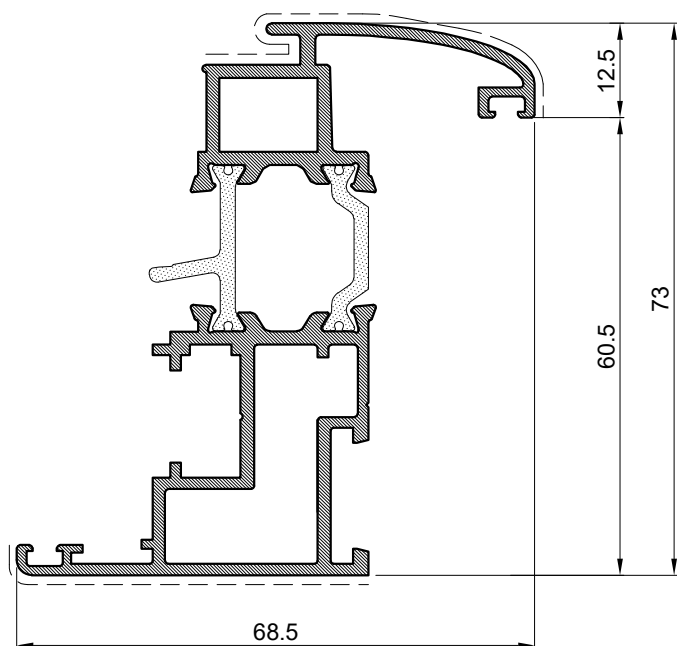
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-669</b> |       |
| Težina<br>Weight   | kg/m           | 0.347 |
| Opseg<br>Perimeter | mm             | 143   |
| L                  | mm             | 6500  |



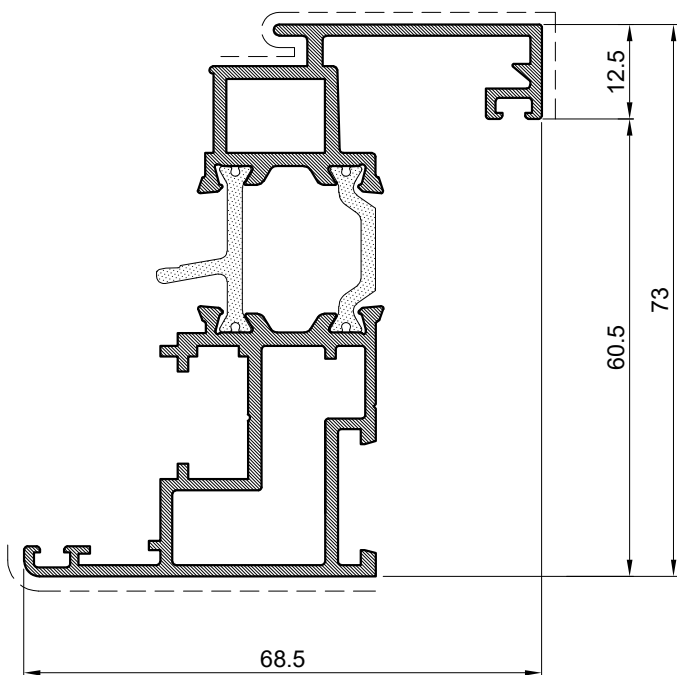
| Profil Profile     |                |       |
|--------------------|----------------|-------|
| Art.Br.<br>Art.Nr. | <b>Z40-670</b> |       |
| Težina<br>Weight   | kg/m           | 0.373 |
| Opseg<br>Perimeter | mm             | 150   |
| L                  | mm             | 6500  |



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

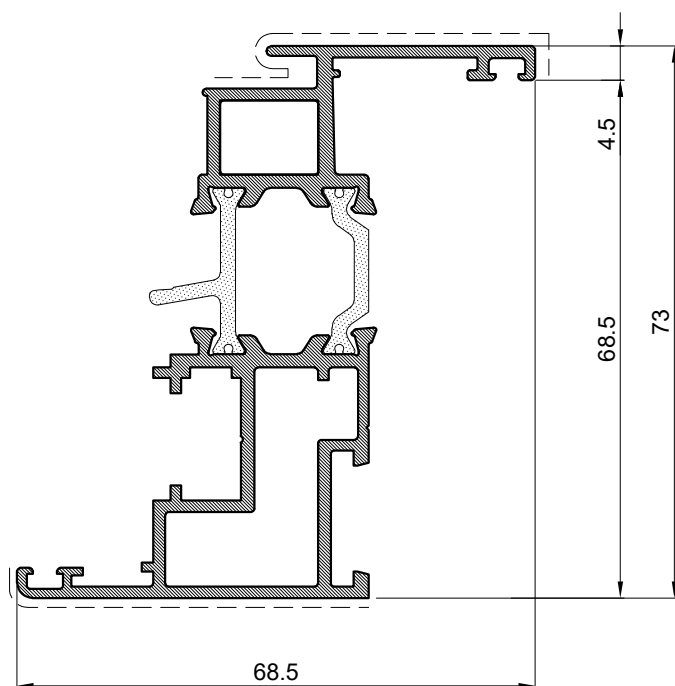


| Profil krila prozora<br>Profile window sash |                                      |       |
|---|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                          | <b>FT-0236</b>                       |       |
| Težina<br>Weight                            | kg/m                                 | 1.517 |
| Opseg<br>Perimeter                          | mm                                   | 420   |
| Moment<br>inerције<br>Moment<br>of inertia  | I <sub>x</sub><br>(cm <sup>4</sup> ) | 24.16 |
|   | I <sub>y</sub><br>(cm <sup>4</sup> ) | 9.06  |
|   | W <sub>x</sub><br>(cm <sup>3</sup> ) | 8.57  |
|   | W <sub>y</sub><br>(cm <sup>3</sup> ) | 2.59  |
| L   | mm                                   | 6500  |



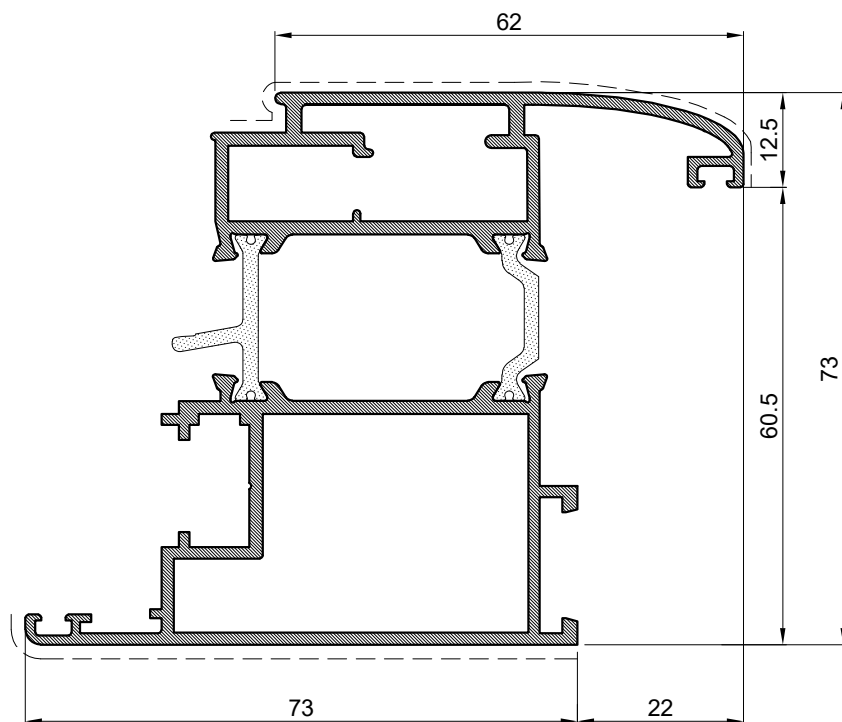
| Profil krila prozora<br>Profile window sash |                                      |       |
|---|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                          | <b>FT-0239</b>                       |       |
| Težina<br>Weight                            | kg/m                                 | 1.543 |
| Opseg<br>Perimeter                          | mm                                   | 415   |
| Moment<br>inerције<br>Moment<br>of inertia  | I <sub>x</sub><br>(cm <sup>4</sup> ) | 25.27 |
|   | I <sub>y</sub><br>(cm <sup>4</sup> ) | 10.24 |
|   | W <sub>x</sub><br>(cm <sup>3</sup> ) | 9.17  |
|   | W <sub>y</sub><br>(cm <sup>3</sup> ) | 2.87  |
| L   | mm                                   | 6500  |

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

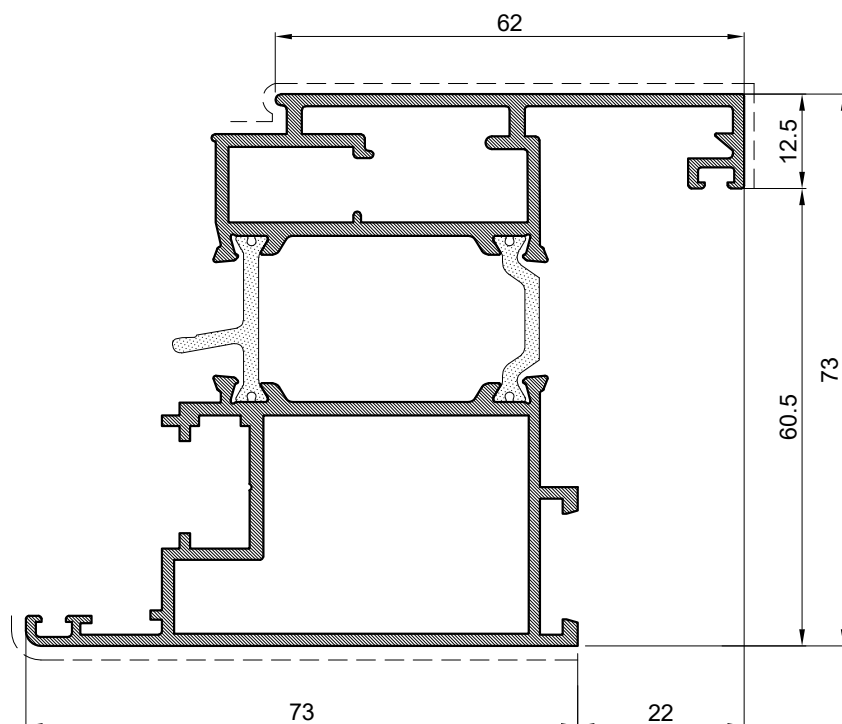


| Profil krila prozora<br>Profile window sash |                                      |       |
|---|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                          | <b>FT-0296</b>                       |       |
| Težina<br>Weight                            | kg/m                                 | 1.496 |
| Opseg<br>Perimeter                          | mm                                   | 429   |
| Moment<br>inercije<br>Moment<br>of inertia  | I <sub>x</sub><br>(cm <sup>4</sup> ) | 23.8  |
|   | I <sub>y</sub><br>(cm <sup>4</sup> ) | 8.23  |
|   | W <sub>x</sub><br>(cm <sup>3</sup> ) | 8.55  |
|   | W <sub>y</sub><br>(cm <sup>3</sup> ) | 2.38  |
| L   | mm                                   | 6500  |

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

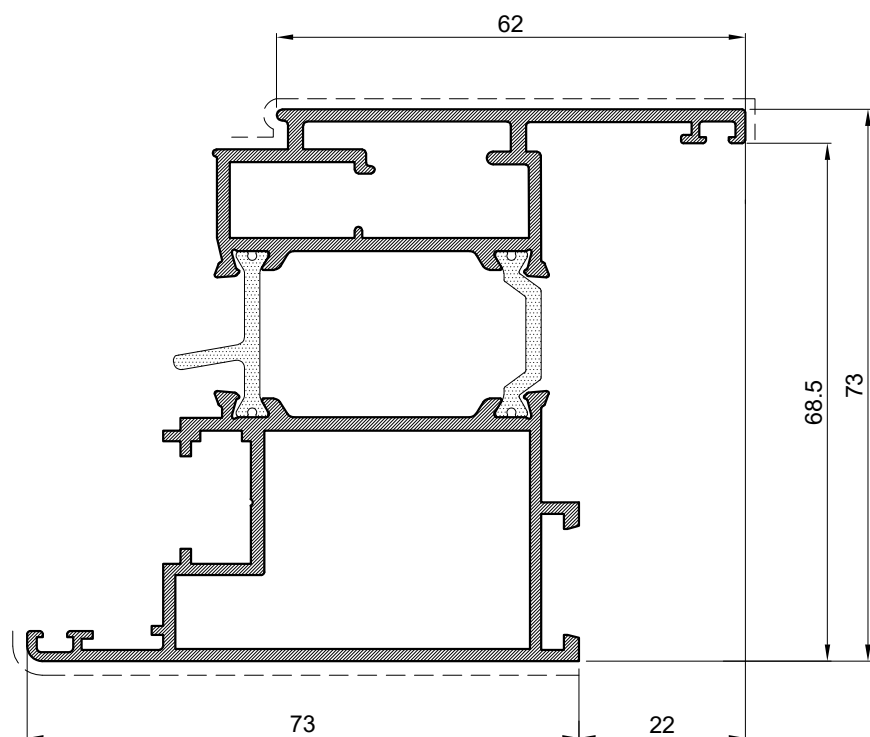


| Profil krila prozora<br>Profile window sash |                                      |       |
|---|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                          | <b>FT-0244</b>                       |       |
| Težina<br>Weight                            | kg/m                                 | 2.016 |
| Opseg<br>Perimeter                          | mm                                   | 471   |
| Moment<br>inercije<br>Moment<br>of inertia  | I <sub>x</sub><br>(cm <sup>4</sup> ) | 35.39 |
|   | I <sub>y</sub><br>(cm <sup>4</sup> ) | 31.4  |
|   | W <sub>x</sub><br>(cm <sup>3</sup> ) | 12.39 |
|   | W <sub>y</sub><br>(cm <sup>3</sup> ) | 6.56  |
| L   | mm                                   | 6500  |



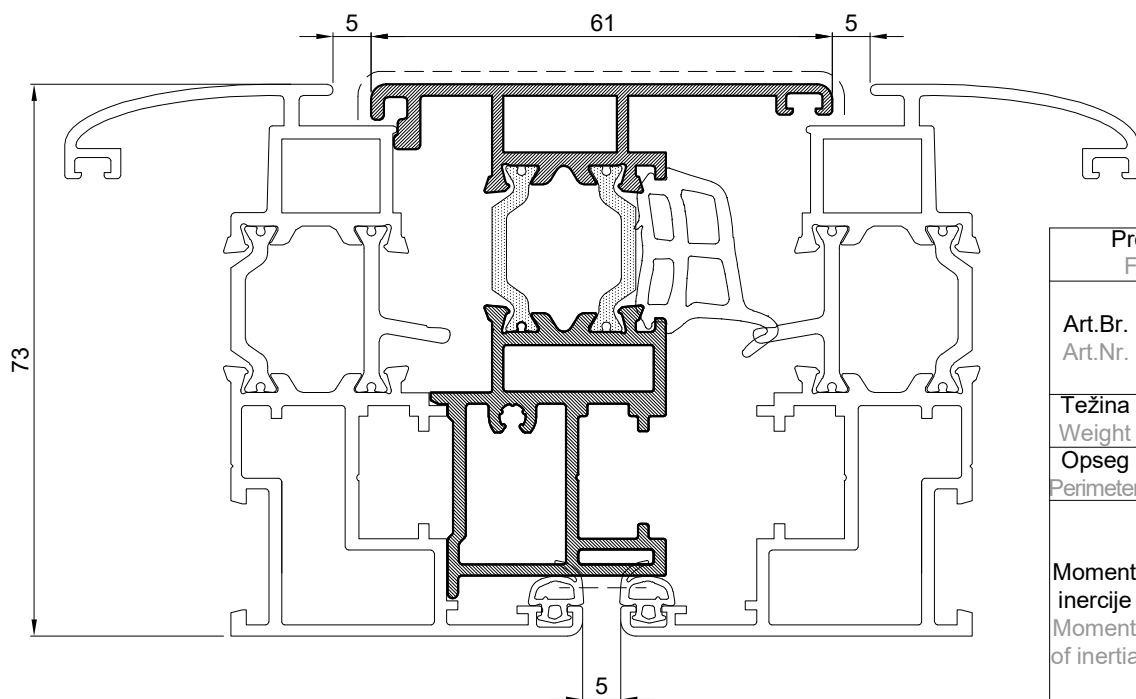
| Profil krila prozora<br>Profile window sash |                                      |       |
|---|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                          | <b>FT-0246</b>                       |       |
| Težina<br>Weight                            | kg/m                                 | 2.046 |
| Opseg<br>Perimeter                          | mm                                   | 476   |
| Moment<br>inercije<br>Moment<br>of inertia  | I <sub>x</sub><br>(cm <sup>4</sup> ) | 36.46 |
|   | I <sub>y</sub><br>(cm <sup>4</sup> ) | 33.81 |
|   | W <sub>x</sub><br>(cm <sup>3</sup> ) | 12.59 |
|   | W <sub>y</sub><br>(cm <sup>3</sup> ) | 7.06  |
| L   | mm                                   | 6500  |

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



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

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



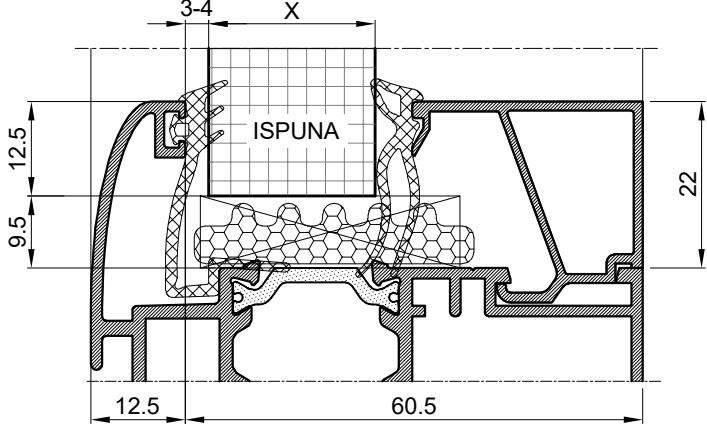
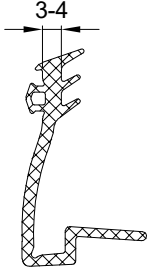
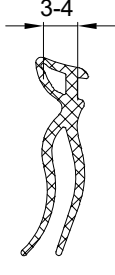
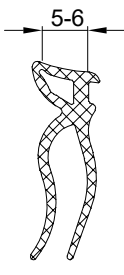
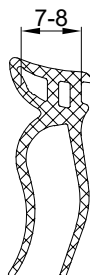
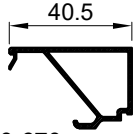
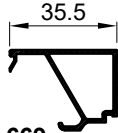
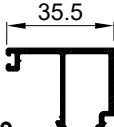
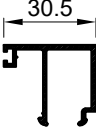
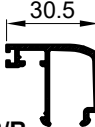
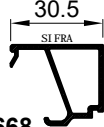





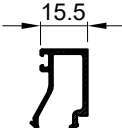
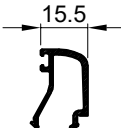
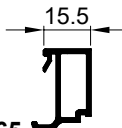
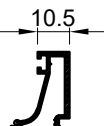
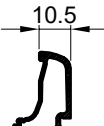
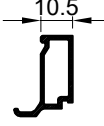
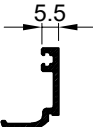
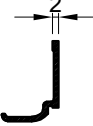
| Profil kombatute<br>Flying mullion         |                                      |       |
|--|--------------------------------------|-------|
| Art.Br.<br>Art.Nr.                         | <b>FT-0237</b>                       |       |
| Težina<br>Weight                           | kg/m                                 | 1.506 |
| Opseg<br>Perimeter                         | mm                                   | 350   |
| Moment<br>inercije<br>Moment<br>of inertia | I <sub>x</sub><br>(cm <sup>4</sup> ) | 19.69 |
|  | I <sub>y</sub><br>(cm <sup>4</sup> ) | 7.33  |
|  | W <sub>x</sub><br>(cm <sup>3</sup> ) | 6.91  |
|  | W <sub>y</sub><br>(cm <sup>3</sup> ) | 2.07  |
| L  | mm                                   | 6500  |

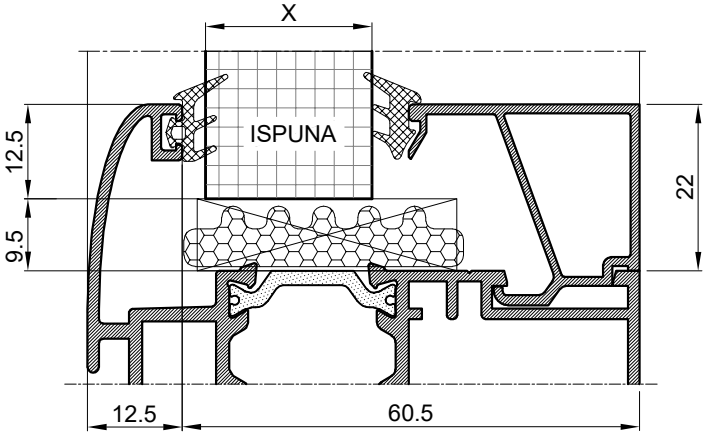
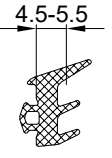
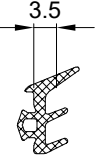
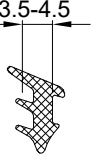
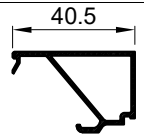
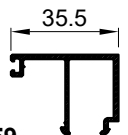
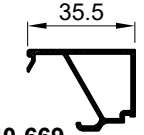
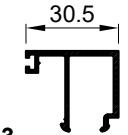
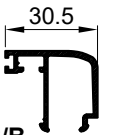
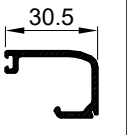

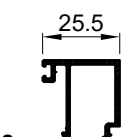
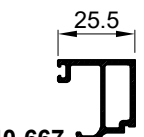
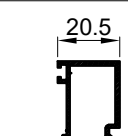
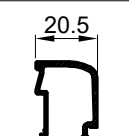
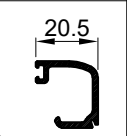
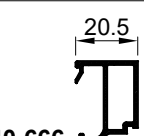
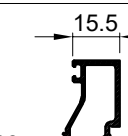
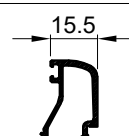
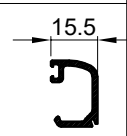
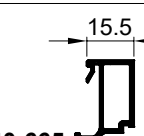
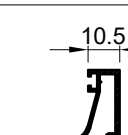
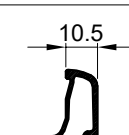
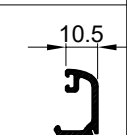
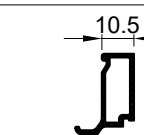
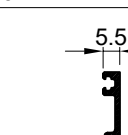
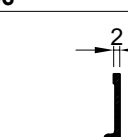
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”  
PROFILE WITH XPS HAVE ENDING „F”

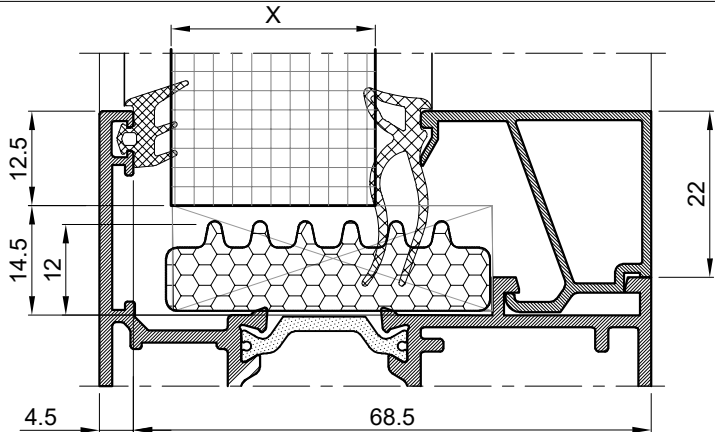
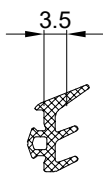
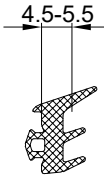
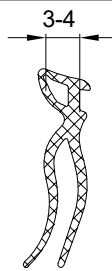
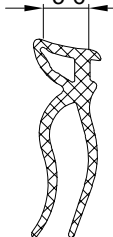
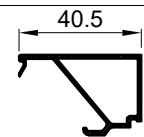
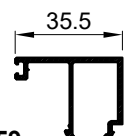
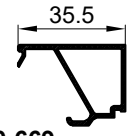
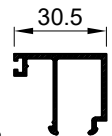
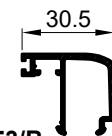
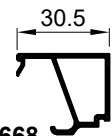
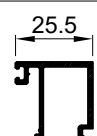
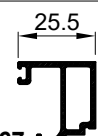


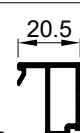
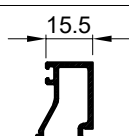
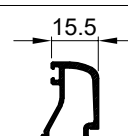
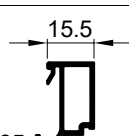
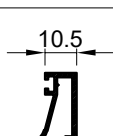
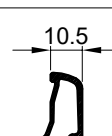
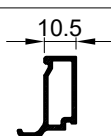
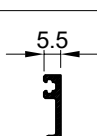
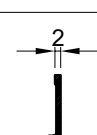


# Prikaz stakljenja Glazing

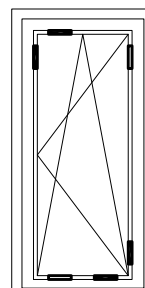
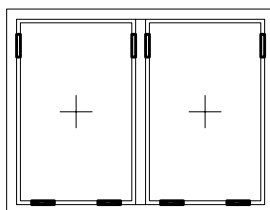
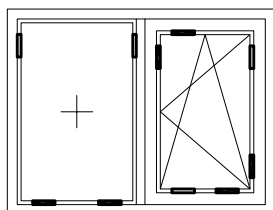
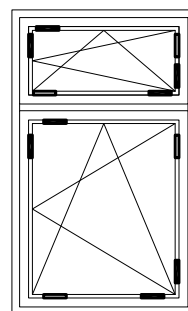
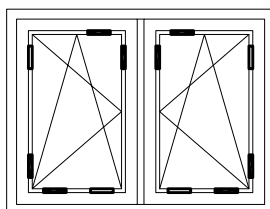
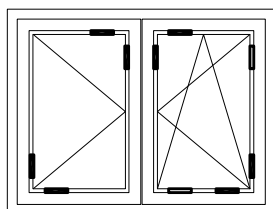
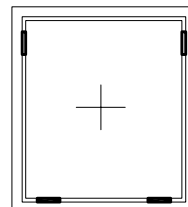
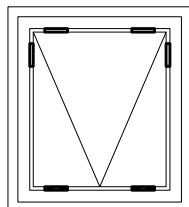
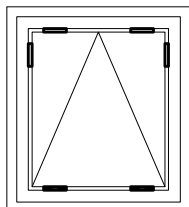
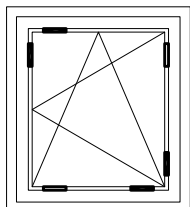




| Vanjska brtva<br>Outside gasket   |   | Unutarnje brtve<br>Inside gasket  |   |  |  |
|---|---|---|---|--|--|
| 321.004   | 311.003   | 311.004   | 311.005   |  |  |
|  |  |  |      |  |  |
| Ispuna X<br>Fillings X  | Vanjska brtva<br>Outside gas.   | Unutar. brtva<br>Inside gasket  | LAJSNE ZA STAKLO<br>BEAD FOR GLASS  |  |  |
| 9   | 321.004   | 311.005   |    |  |  |
| 10-11   | 321.004   | 311.004   |   |  |  |
| 12-13   | 321.004   | 311.003   |   |  |  |
| 14  | 321.004   | 311.005   |    |  |  |
| 15-16   | 321.004   | 311.004   |   |  |  |
| 17-18   | 321.004   | 311.003   |   |  |  |
| 19  | 321.004   | 311.005   |      |  |  |
| 20-21   | 321.004   | 311.004   |   |  |  |
| 22-23   | 321.004   | 311.003   |   |  |  |
| 24  | 321.004   | 311.005   |    |  |  |
| 25-26   | 321.004   | 311.004   |   |  |  |
| 27-28   | 321.004   | 311.003   |   |  |  |
| 29  | 321.004   | 311.005   |  |  |  |
| 30-31   | 321.004   | 311.004   |   |  |  |
| 32-33   | 321.004   | 311.003   |   |  |  |
| 34  | 321.004   | 311.005   |  |  |  |
| 35-36   | 321.004   | 311.004   |   |  |  |
| 37-38   | 321.004   | 311.003   |   |  |  |
| 39  | 321.004   | 311.005   |    |  |  |
| 40-41   | 321.004   | 311.004   |   |  |  |
| 42-43   | 321.004   | 311.003   |   |  |  |
| 44  | 321.004   | 311.005   |  |  |  |
| 45-46   | 321.004   | 311.004   |   |  |  |
| 47-48   | 321.004   | 311.003   |   |  |  |
| 49-50   | 321.004   | 311.005   |    |  |  |
| 51  | 321.004   | 311.004   |   |  |  |
|   | 321.004   | 311.003   |   |  |  |
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| <div> <div>Vanjska brtva<br/>Outside gasket</div> <div>Unutarnja brtva<br/>Inside gasket</div> </div> |   |   |   |  |   |   |
|---|---|---|---|--|---|---|
| 321.003<br>(Z113)   | 321.002<br>(Z111)   | 311.002<br>(918)  |   |  |   |   |
|                      |  |  |   |  |   |   |
| Ispuna X<br>Fillings X  | Vanjska brtva<br>Outside gas.   | Unutar. brtva<br>Inside gasket  | LAJSNE ZA STAKLO<br>BEAD FOR GLASS  |  |   |   |
| 10-11   | 321.003   | 311.002   |   |  |   |    |
| 12  | 321.002   | 311.002   |   |  |   | <b>Z40-670</b>  |
| 15-16   | 321.003   | 311.002   |    |  |   |    |
| 17  | 321.002   | 311.002   | <b>Z40-659</b>  |  |   | <b>Z40-669</b>  |
| 20-21   | 321.003   | 311.002   |  |  |  |  |
| 22  | 321.002   | 311.002   | <b>Z40-653</b>  | <b>Z40-653/B</b>   | <b>Z40-661</b>  | <b>Z40-668</b>  |
| 25-26   | 321.003   | 311.002   |  |  |   |  |
| 27  | 321.002   | 311.002   | <b>Z40-658</b>  |  |   | <b>Z40-667</b>  |
| 30-31   | 321.003   | 311.002   |  |  |  |  |
| 32  | 321.002   | 311.002   | <b>Z40-644</b>  | <b>Z40-646</b>   | <b>Z40-648</b>  | <b>Z40-666</b>  |
| 35-36   | 321.003   | 311.002   |  |  |  |  |
| 37  | 321.002   | 311.002   | <b>M45-709</b>  | <b>M45-740</b>   | <b>Z40-662</b>  | <b>Z40-665</b>  |
| 40-41   | 321.003   | 311.002   |  |  |  |  |
| 42  | 321.002   | 311.002   | <b>Z40-636</b>  | <b>Z40-647</b>   | <b>Z40-649</b>  | <b>Z40-664</b>  |
| 45-46   | 321.003   | 311.002   |  |  |   |   |
| 47  | 321.002   | 311.002   | <b>Z40-656</b>  |  |   |   |
| 49-50   | 321.003   | 311.002   |  |  |   |   |
| 51  | 321.002   | 311.002   | <b>Z40-660</b>  |  |   |   |

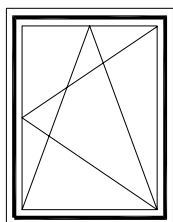
| Vanjske brtve<br>Outside gaskets  |   | Unutarnje brtve<br>Inside gaskets   |   |     |   |
|---|---|---|---|---|---|
| 321.002<br>(Z111)   | 311.003<br>(Z113)   | 311.003   | 311.004   |   |   |
|  |  |  |    |   |   |
| Ispuna X<br>Fillings X  | Vanjska brtva<br>Outside gas.   | Unutar. brtva<br>Inside gasket  | LAJSNE ZA STAKLO<br>BEAD FOR GLASS  |   |   |
| 17-18   | 321.003   | 311.004   |   |   |    |
| 19-20   | 321.002   | 311.004   |   |   |   |
| 21  | 321.002   | 311.003   |   |   | <b>Z40-670</b>  |
| 22-23   | 321.003   | 311.004   |   |   |   |
| 24-25   | 321.002   | 311.004   |    |   |    |
| 26  | 321.002   | 311.003   | <b>Z40-659</b>  |   | <b>Z40-669</b>  |
| 27-28   | 321.003   | 311.004   |   |   |   |
| 29-30   | 321.002   | 311.004   |  |   |  |
| 31  | 321.002   | 311.003   | <b>Z40-653</b>  | <b>Z40-653/B</b>  | <b>Z40-668</b>  |
| 32-33   | 321.003   | 311.004   |   |   |   |
| 34-35   | 321.002   | 311.004   |  |   |  |
| 36  | 321.002   | 311.003   | <b>Z40-658</b>  |   | <b>Z40-667</b>  |
| 37-38   | 321.003   | 311.004   |   |   |   |
| 39-40   | 321.002   | 311.004   |  |  |  |
| 41  | 321.002   | 311.003   | <b>Z40-644</b>  | <b>Z40-646</b>  | <b>Z40-666</b>  |
| 42-43   | 321.003   | 311.004   |  |  |  |
| 44-45   | 321.002   | 311.004   | <b>M45-709</b>  | <b>M45-740</b>  | <b>Z40-665</b>  |
| 46  | 321.002   | 311.003   |   |   |   |
| 47-48   | 321.003   | 311.004   |  |  |  |
| 49-50   | 321.002   | 311.004   | <b>Z40-636</b>  | <b>Z40-647</b>  | <b>Z40-664</b>  |
| 51  | 321.002   | 311.003   |   |   |   |
| 52-53   | 321.003   | 311.004   |  |   |   |
| 54-55   | 321.002   | 311.004   | <b>Z40-656</b>  |   |   |
| 56  | 321.002   | 311.003   |   |   |   |
| 57-58   | 321.002   | 311.004   |  |   |   |
| 59  | 321.002   | 311.003   | <b>Z40-660</b>  |   |   |

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



-  nosivi podmetač  
support packer
-  odstojni podmetač  
distance packer

Materijal podmetača: PVC  
Material packers: PVC

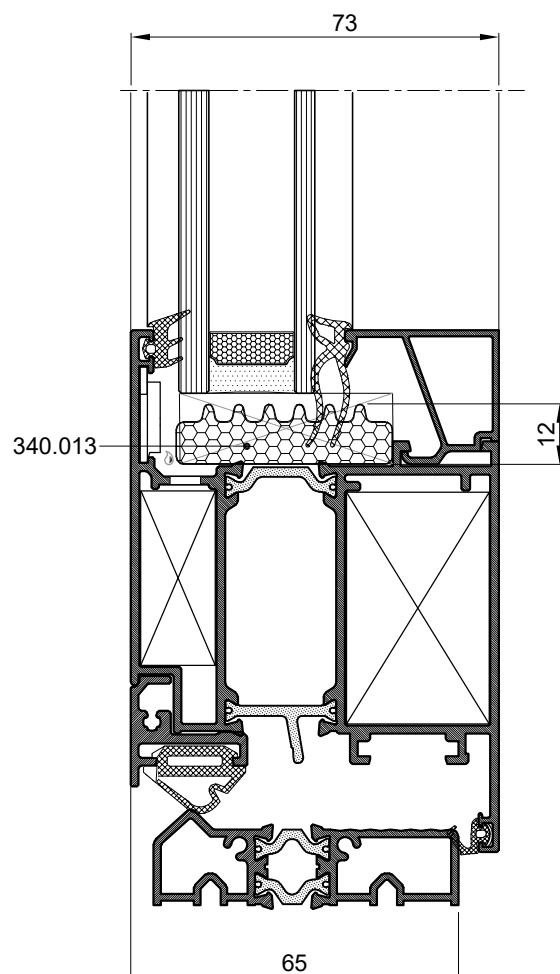
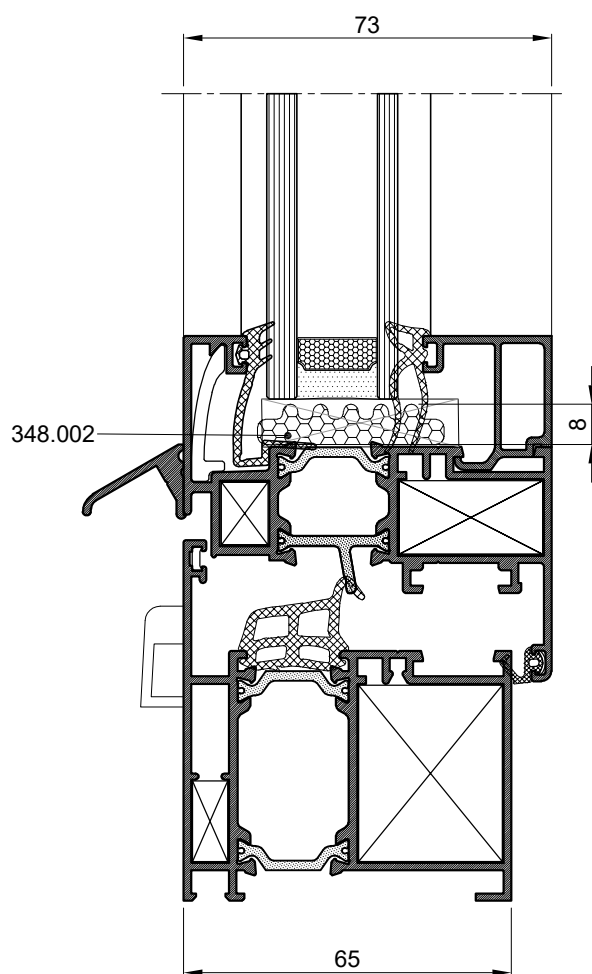


### ISPUNA OKO STAKLA

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

### FILLS AROUND GLASS

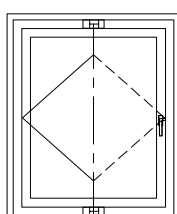
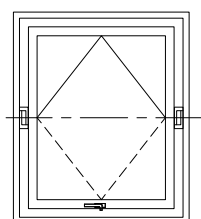
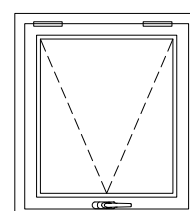
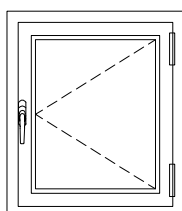
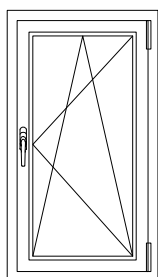
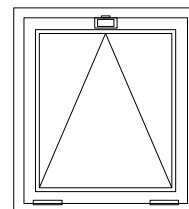
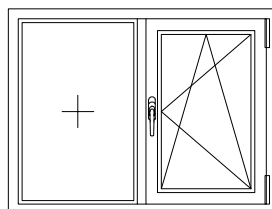
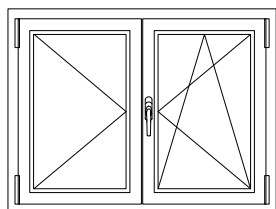
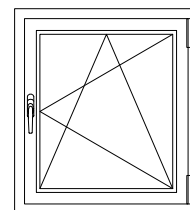
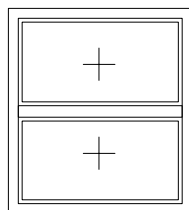
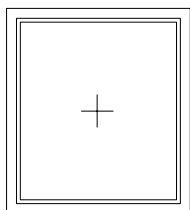
-To increase thermal properties, profiled strips are inserted into the area around the glass, thickness 8 mm and 12 mm, made of thermal insulation material XPE -  $\lambda = 0.038 \text{ W / m}^2\text{K}$

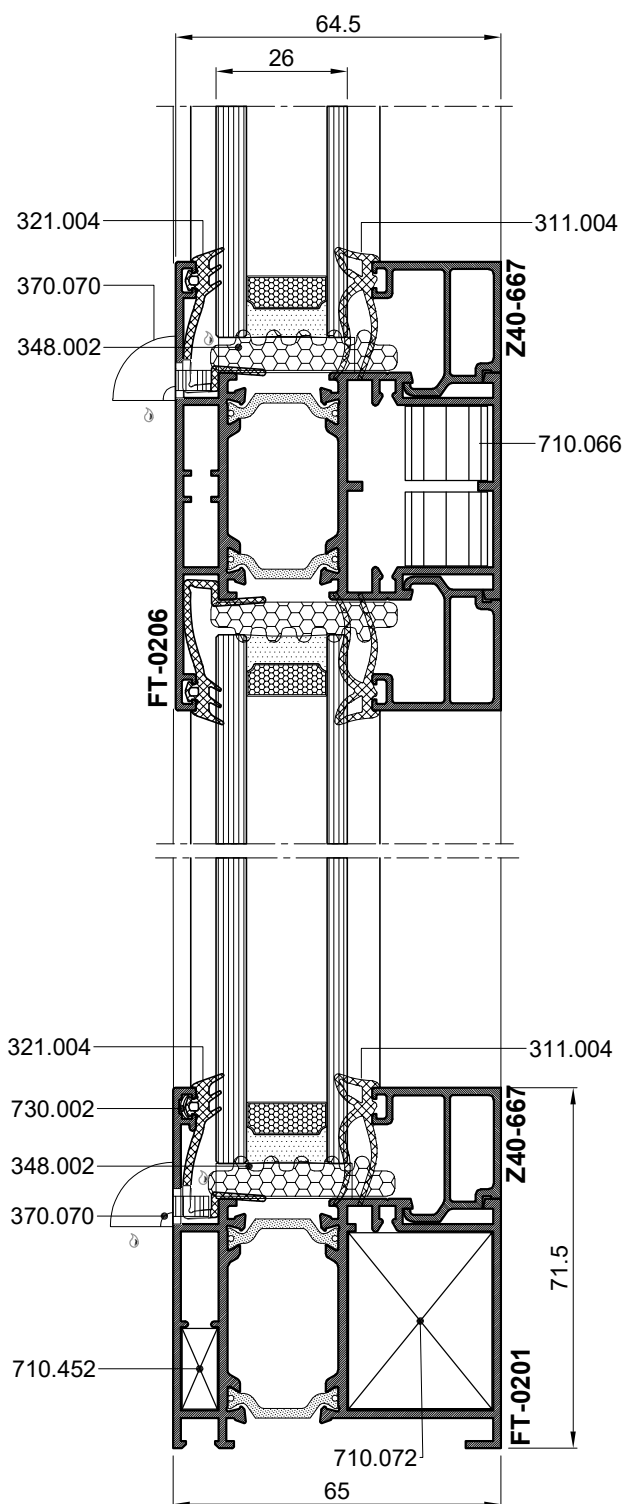
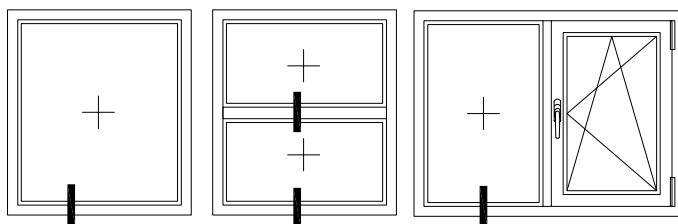


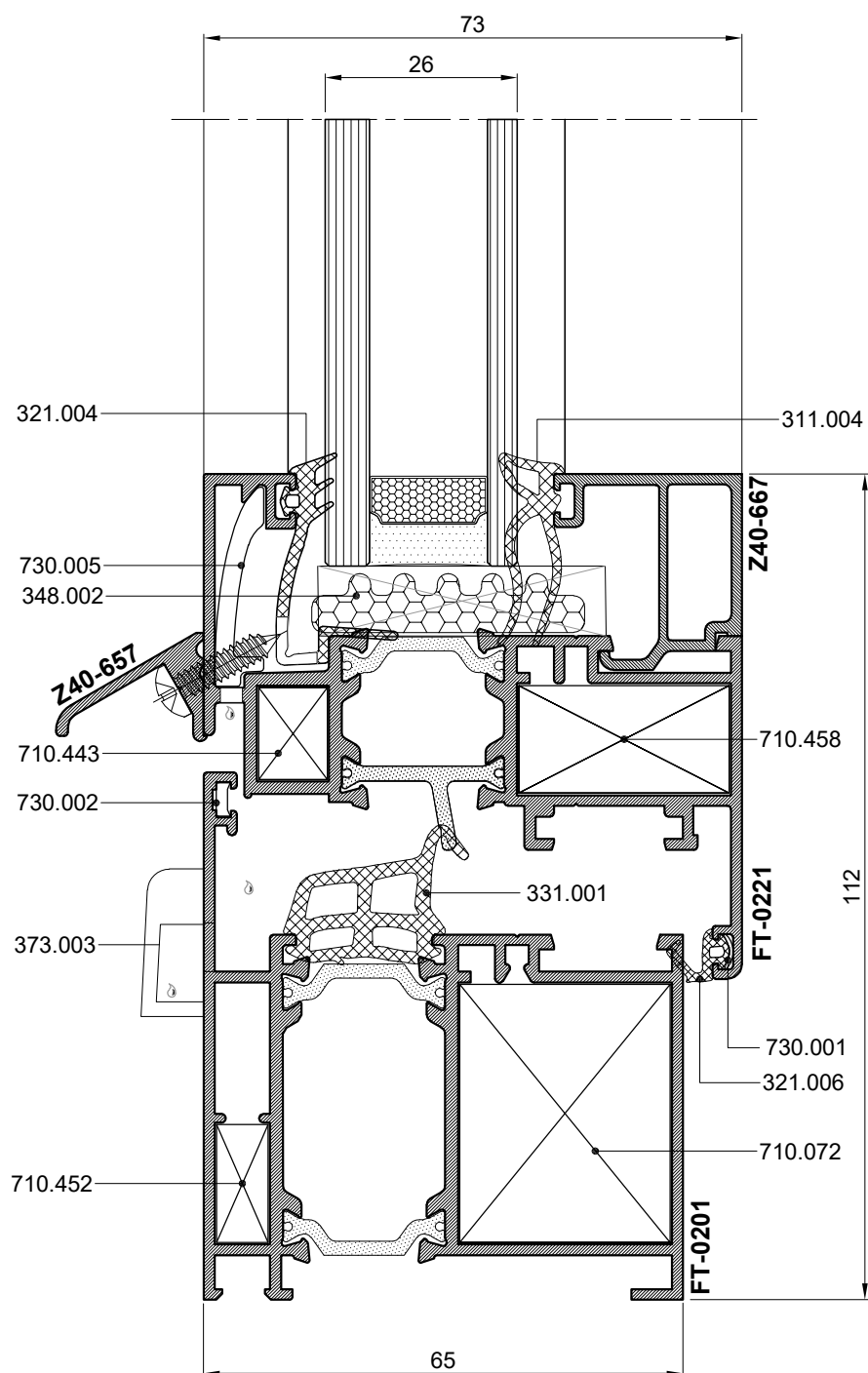
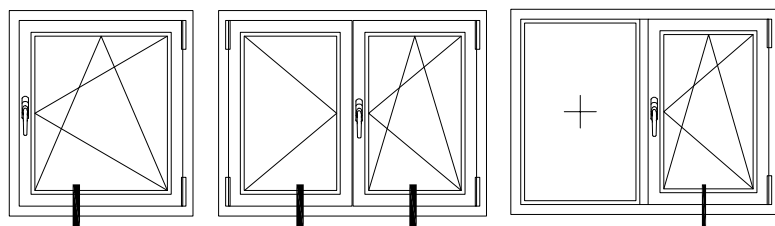


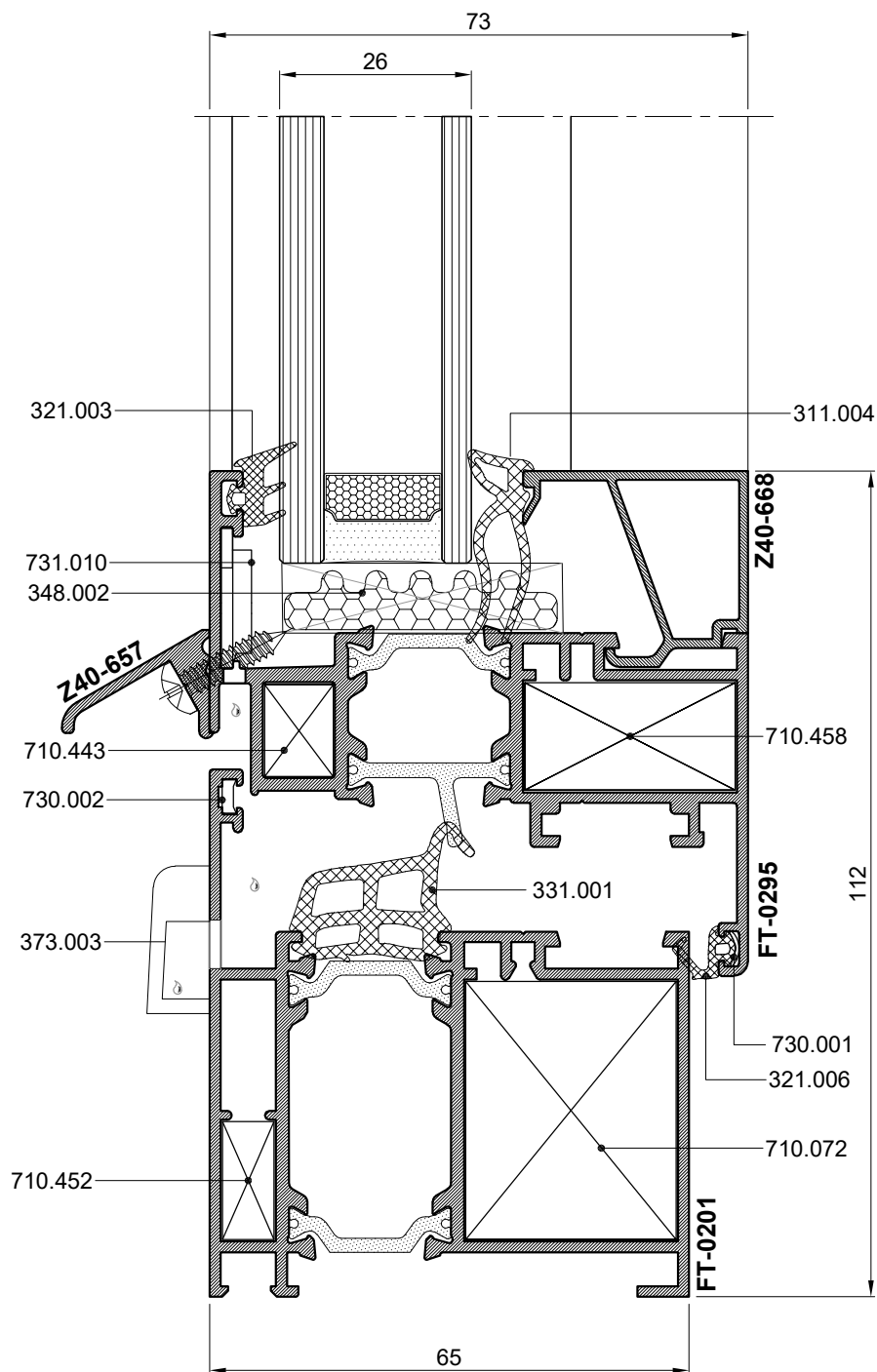
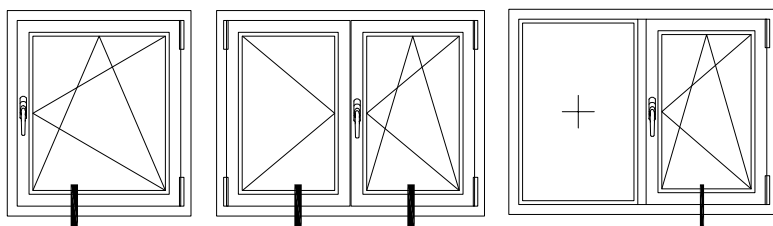


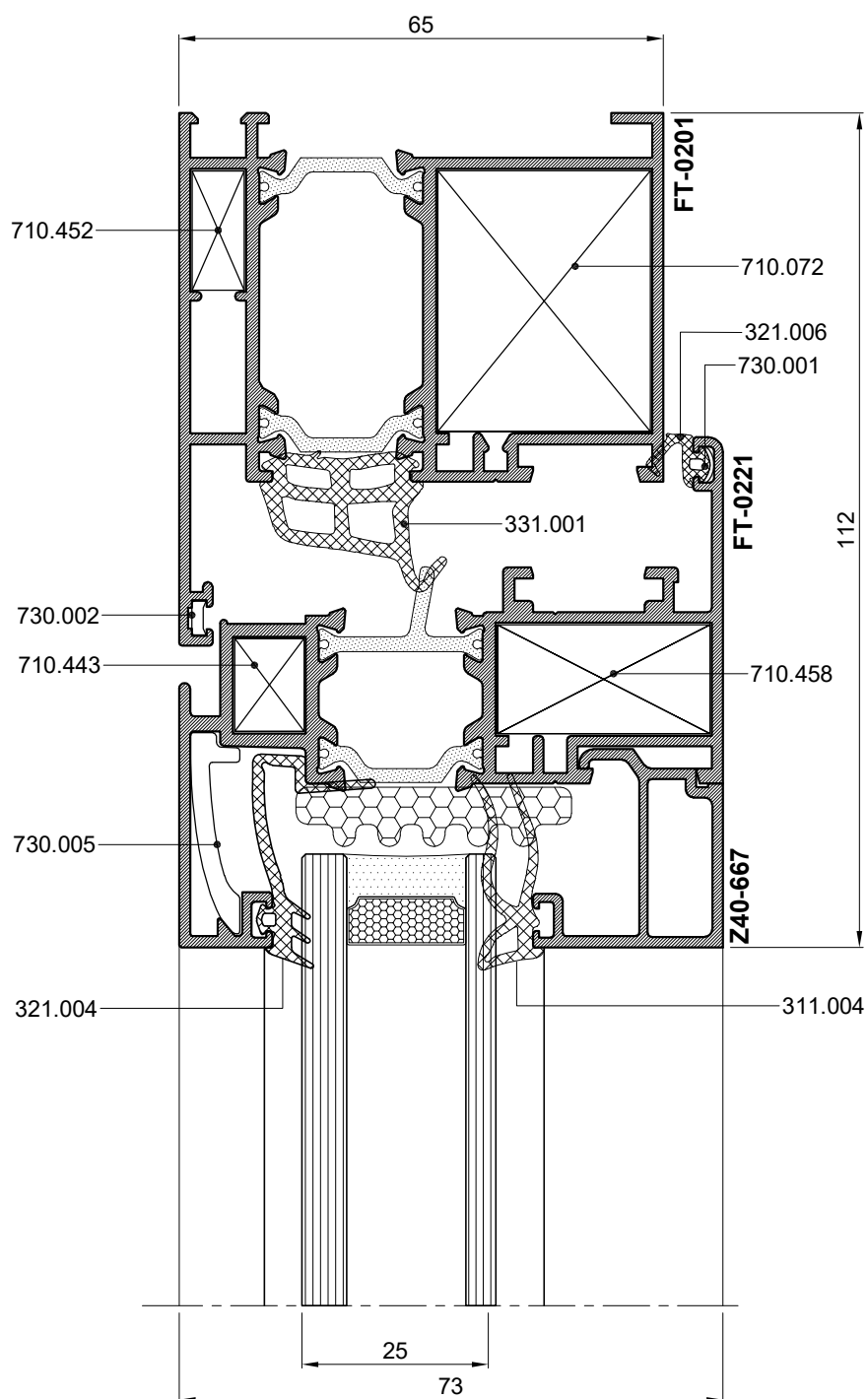
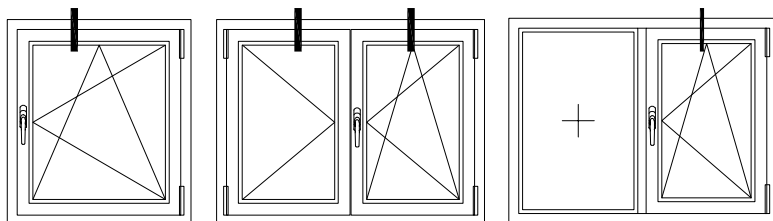
# Presjeci Cross section

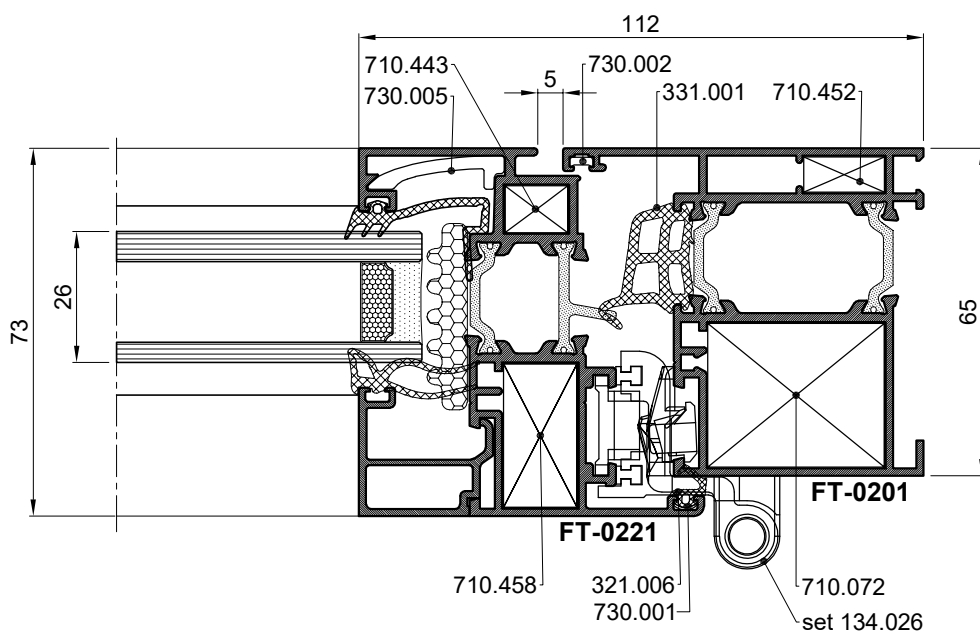
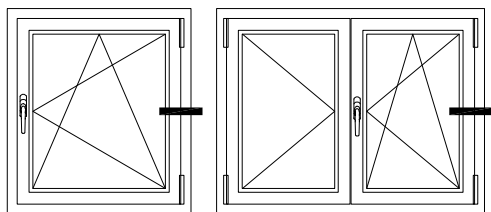




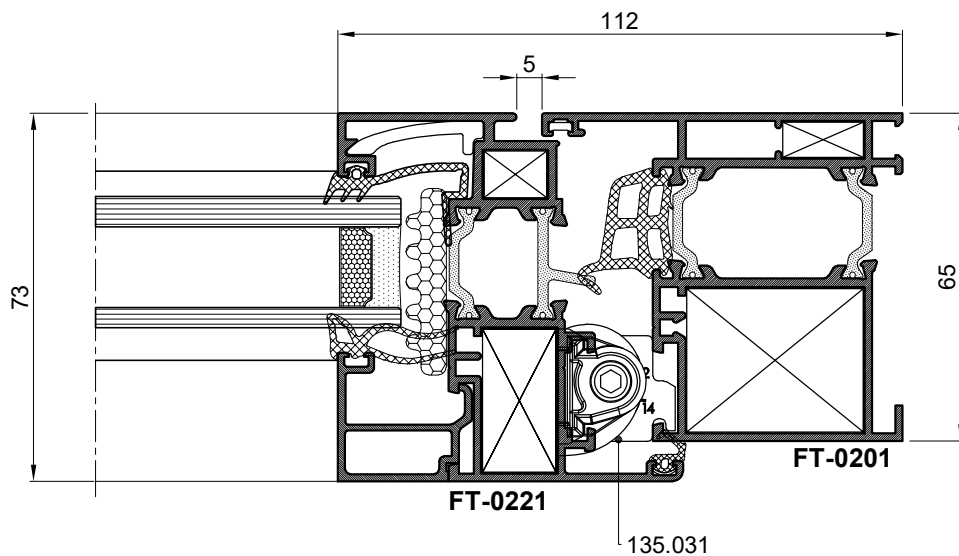


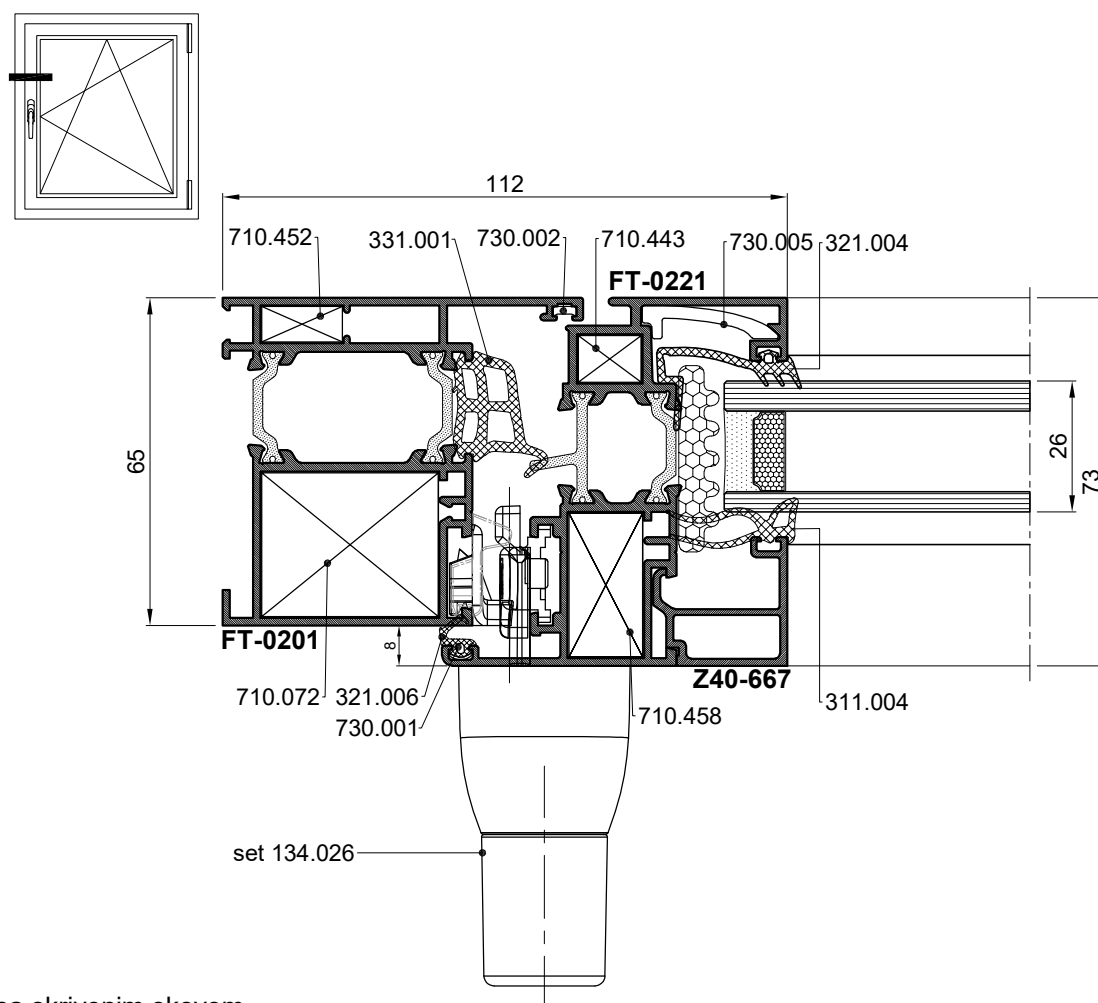




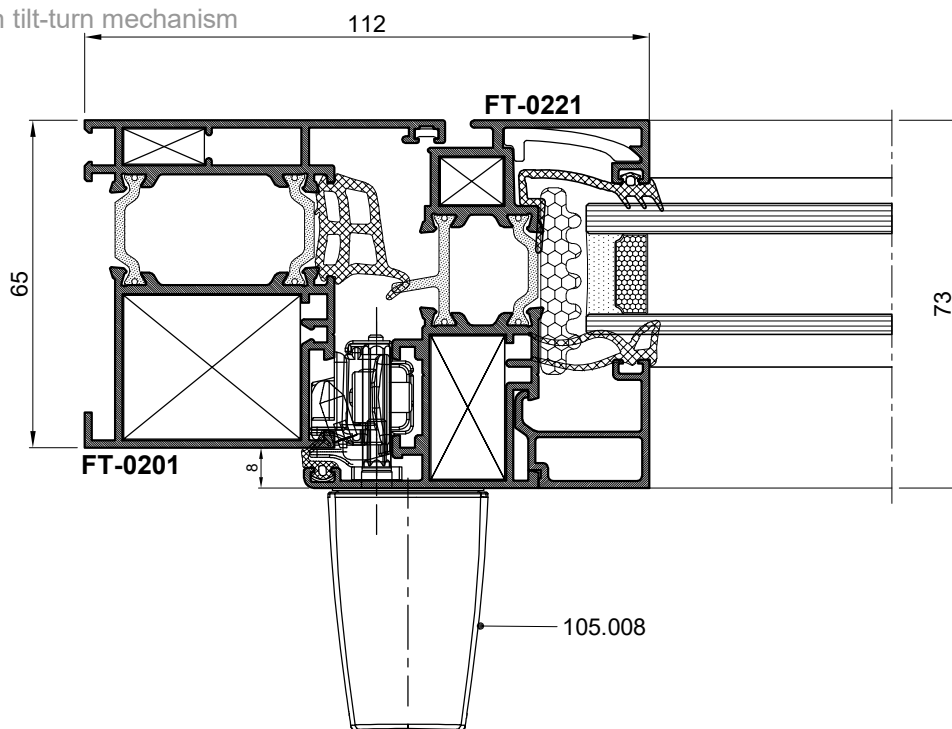


Detalj sa skrivenim okovom  
Details with hidden tilt-turn mechanism

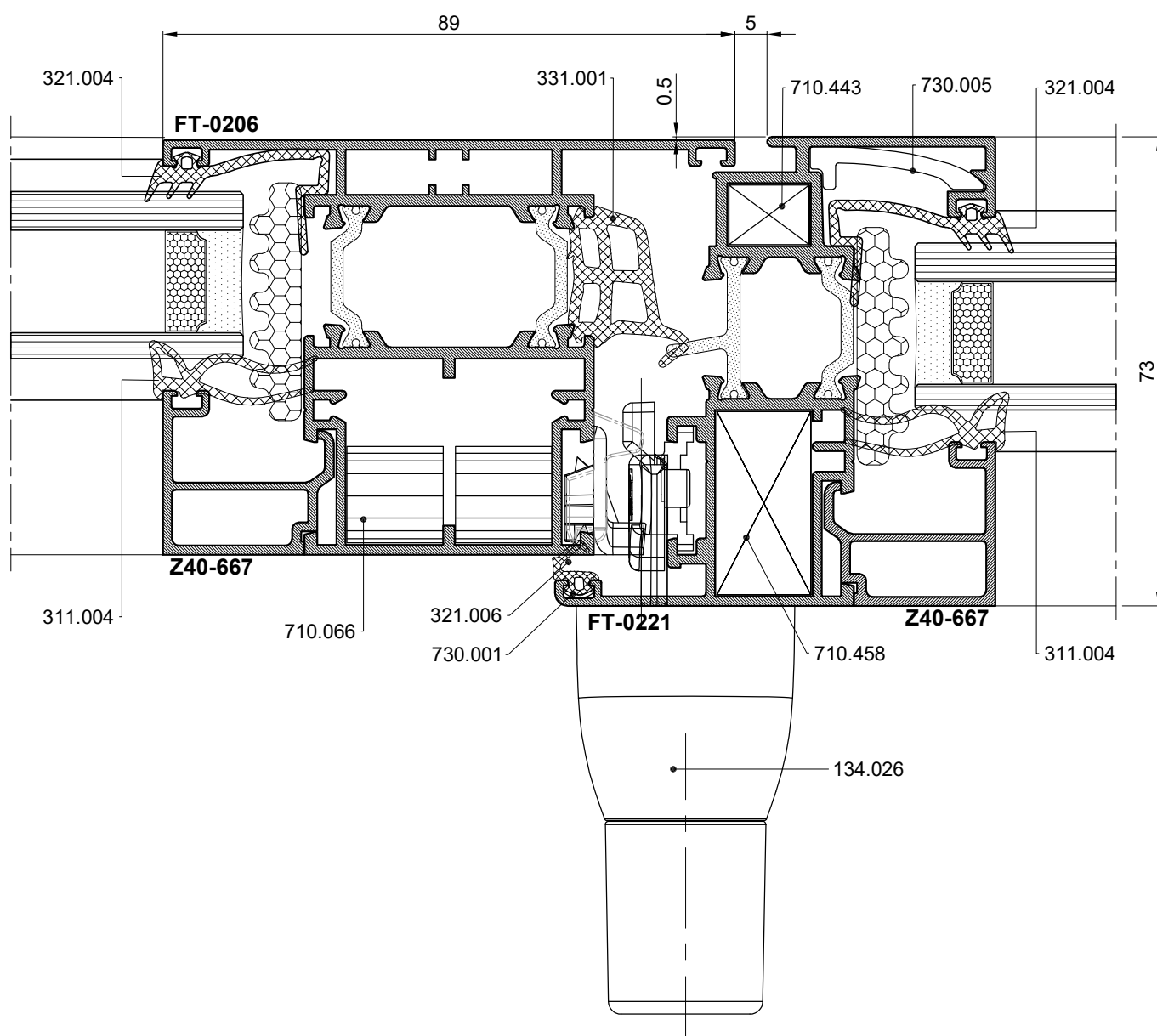
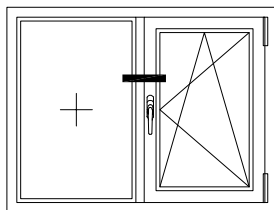


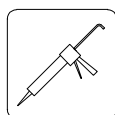
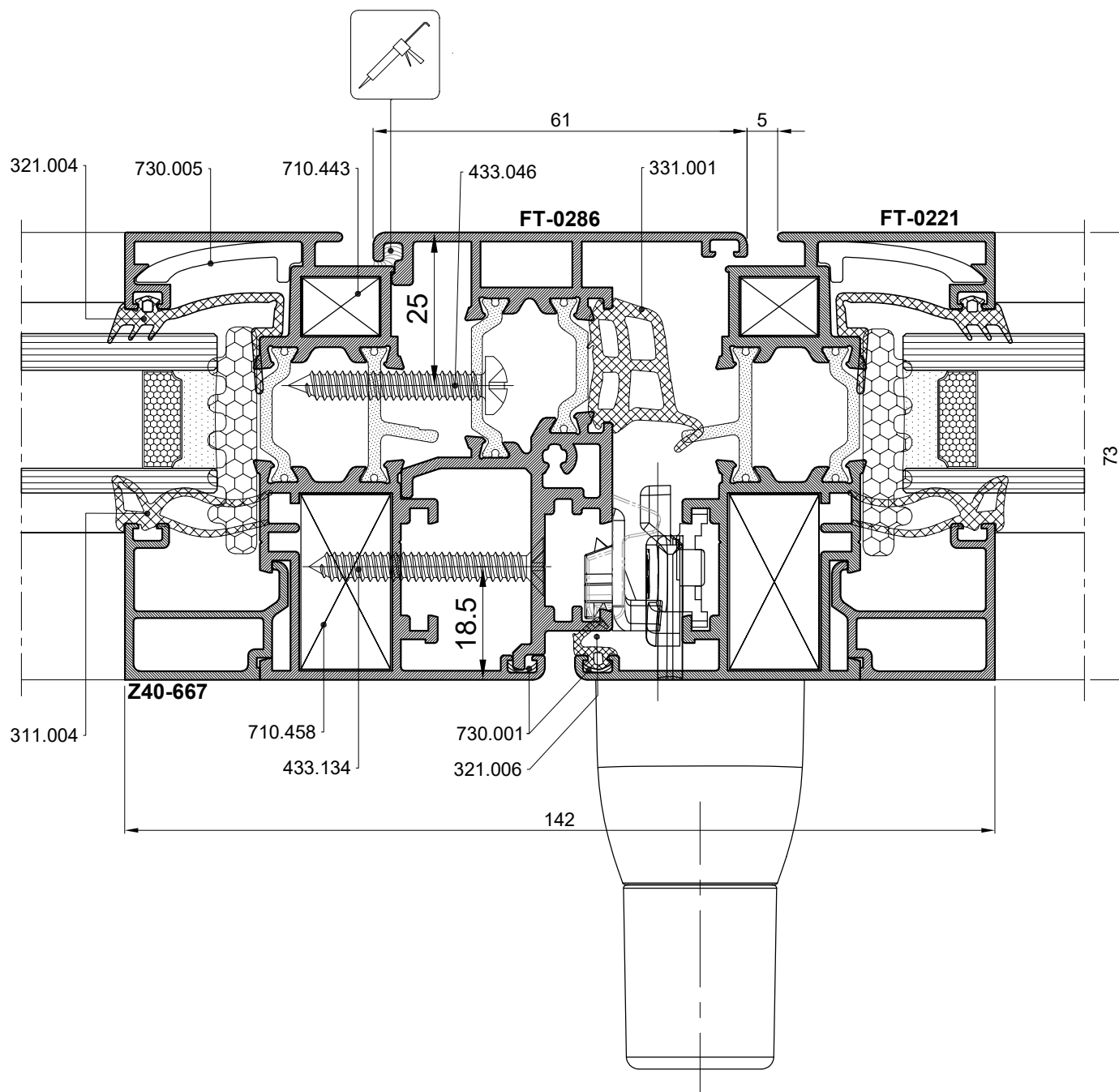
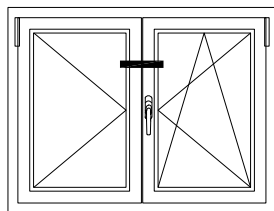


Detalj sa skrivenim okovom  
Details with hidden tilt-turn mechanism

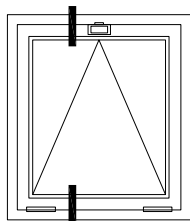




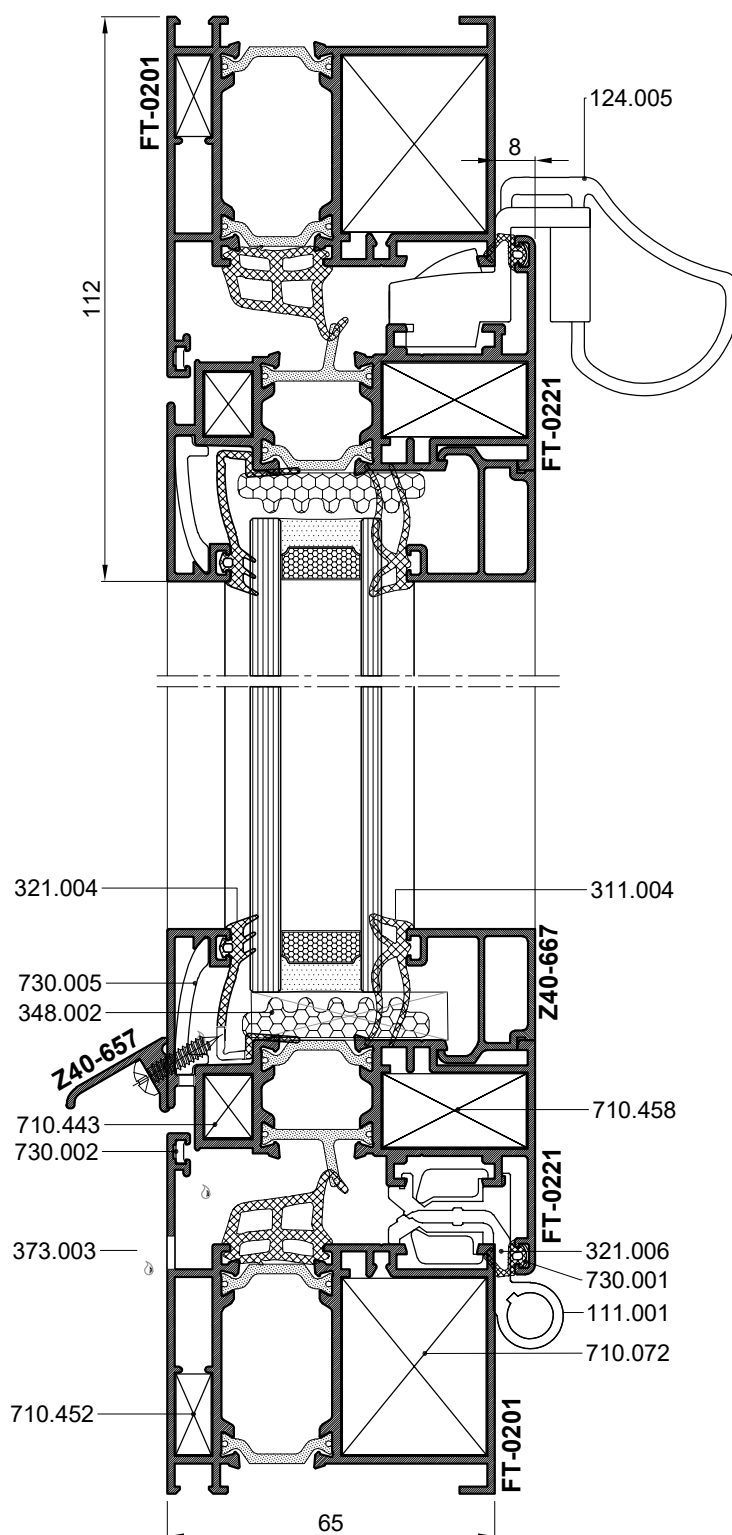


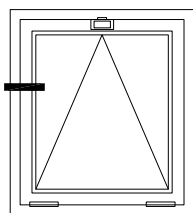


ljepilo za metal  
(npr. Teroson MS 939)  
metal glue  
(eg. Teroson MS 939)

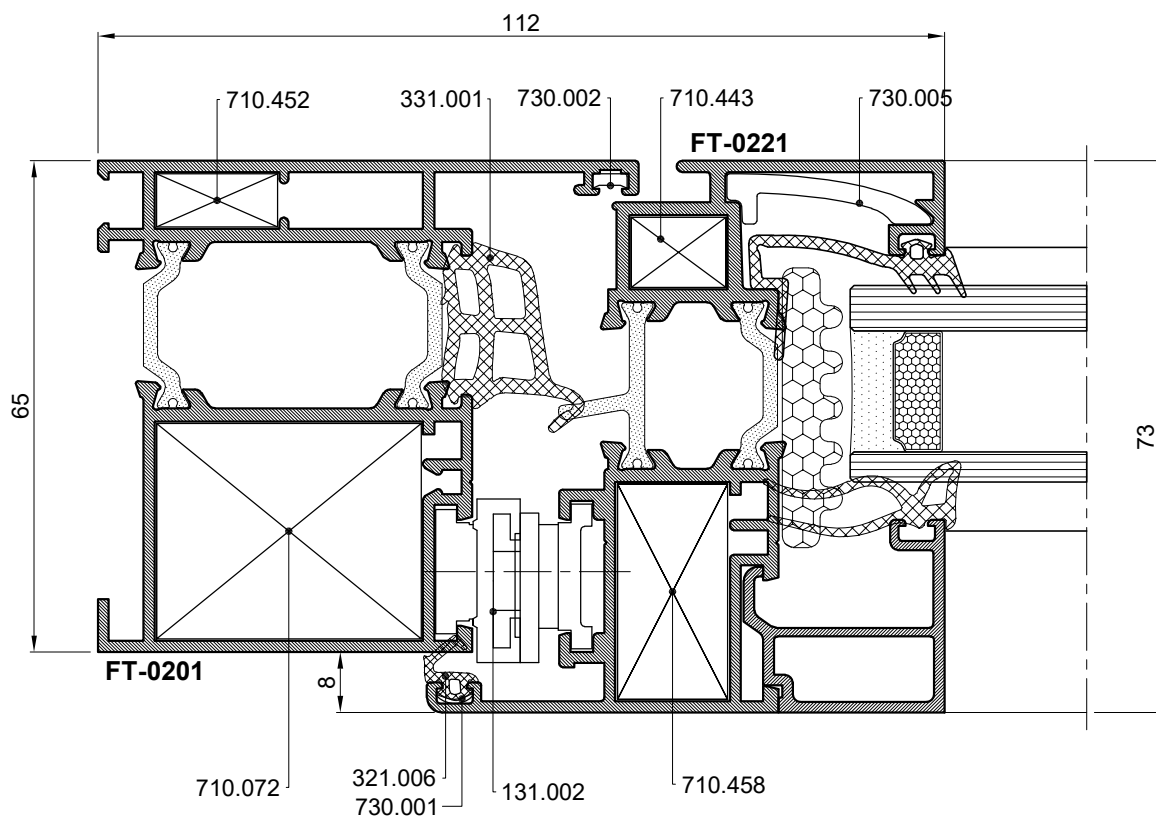


OTKLOPNI PROZOR - VENTUS  
sa bravicom za zatvaranje (124.005) i škarama (131.002)  
TILT WINDOW - VENTUS  
with lock for closing - (124.005) and scissors (131.002)

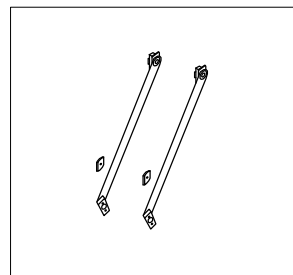


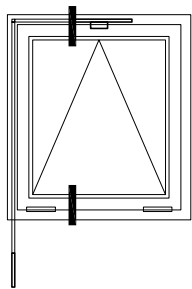


OTKLOPNI PROZOR - VENTUS  
sa bravicom za zatvaranje (124.005) i škarama (131.002)  
TILT WINDOW - VENTUS  
with lock for closing - (124.005) and scissors (131.002)

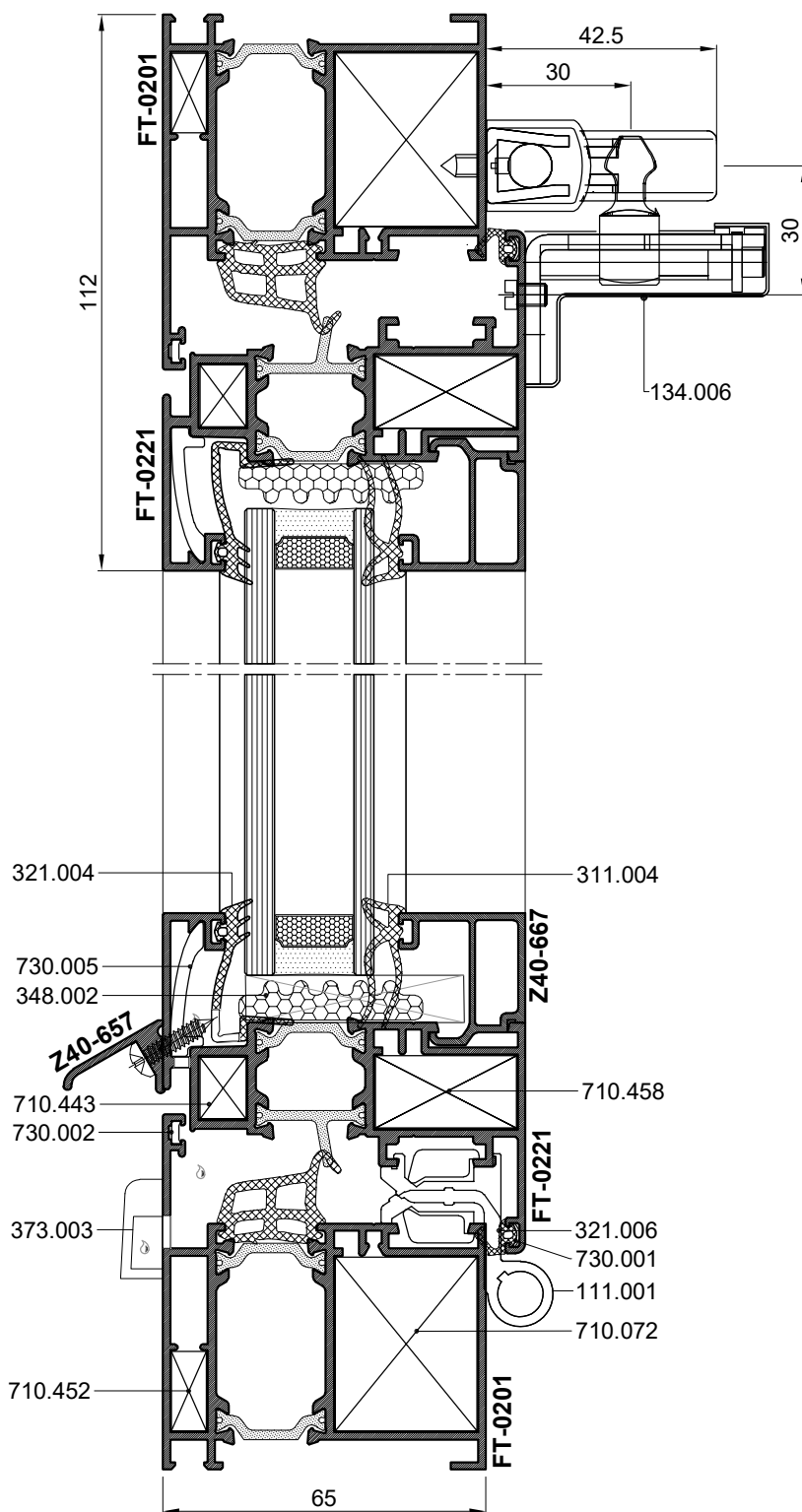
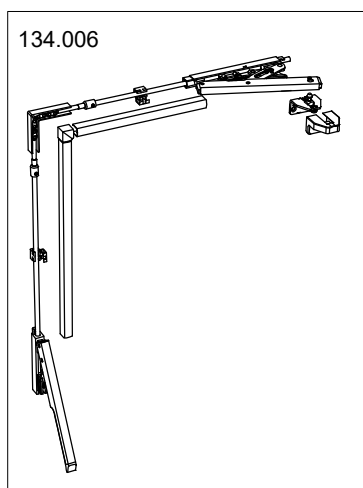


131.002

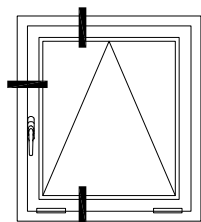




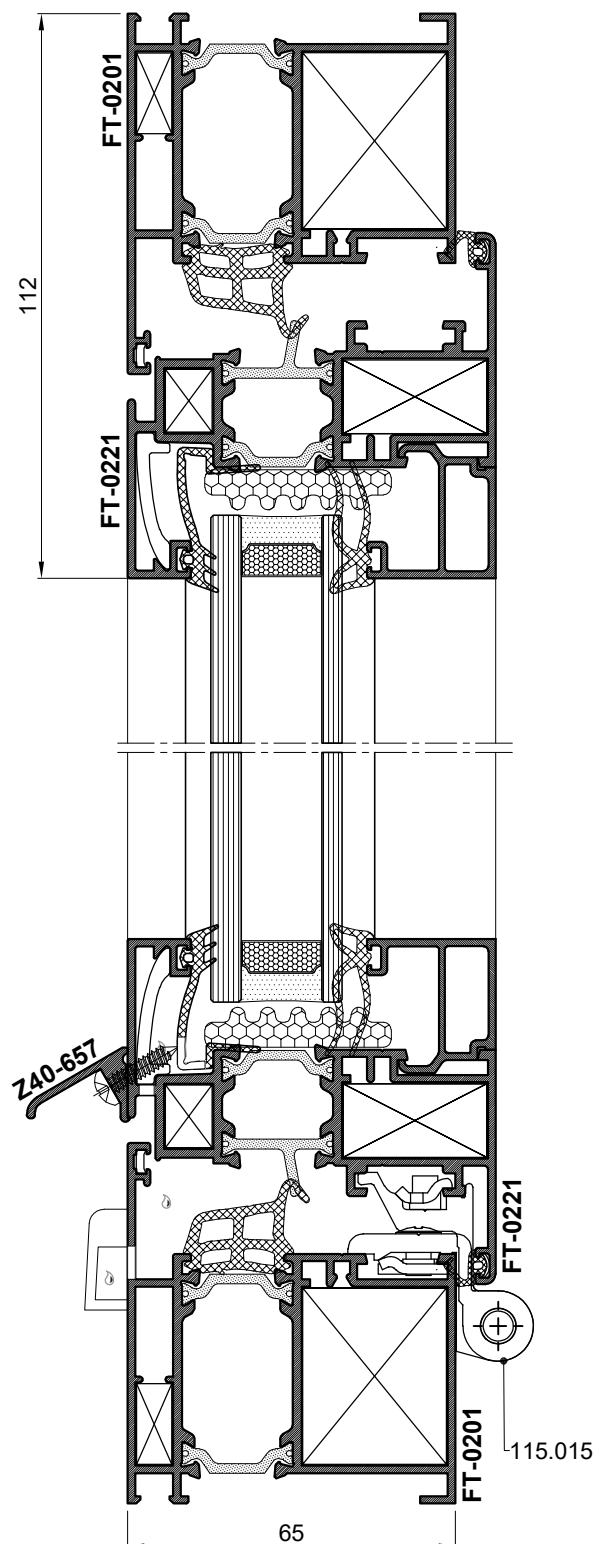
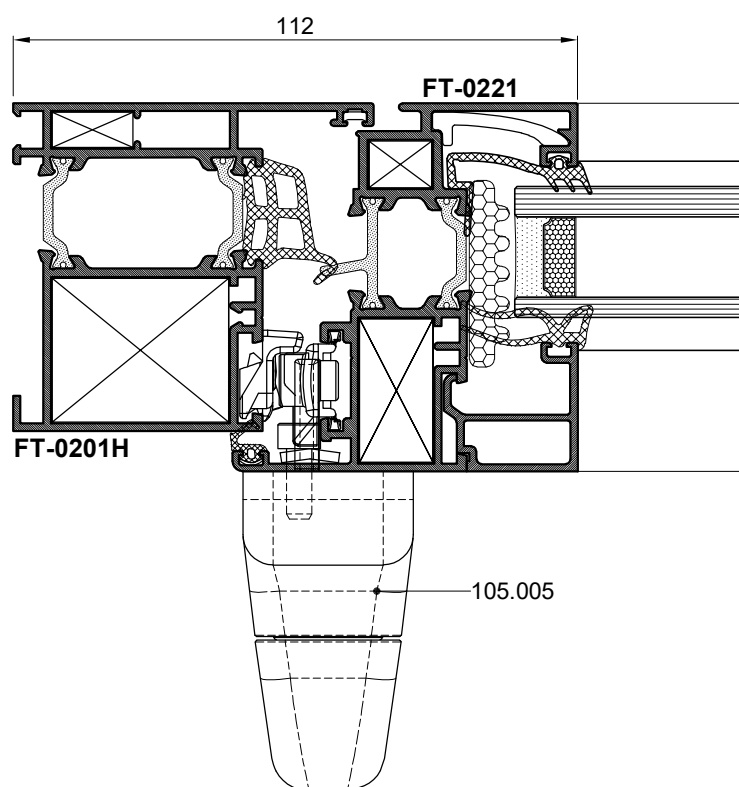
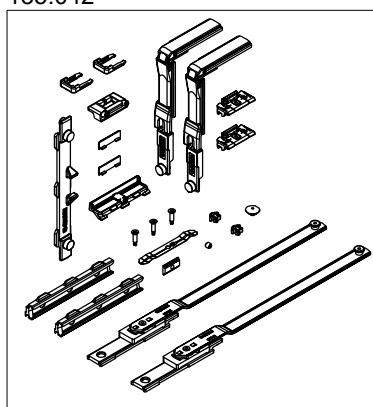
OTKLOPNI PROZOR - VENTUS sa ručkom za visinu (134.006)  
TILT WINDOW - VENTUS with handle for height (134.006)

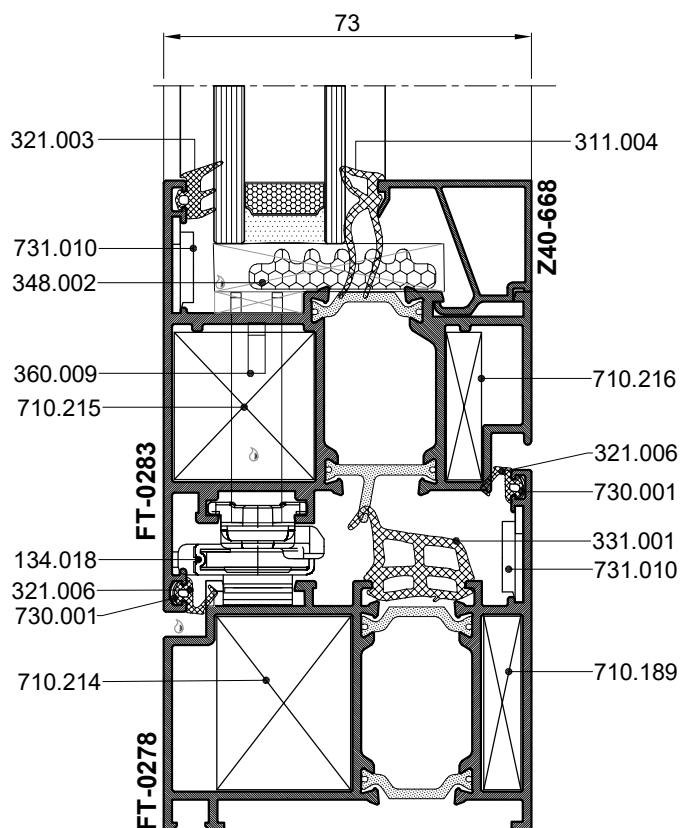
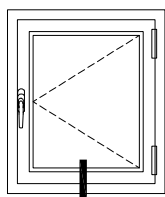


OTKLOPNI PROZOR - VENTUS sa ručkom na okomici (135.042)  
TILT WINDOW - VENTUS with handle on side (135.042)

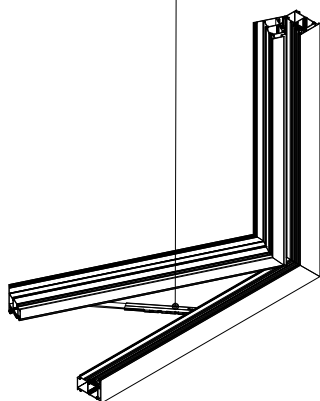


135.042

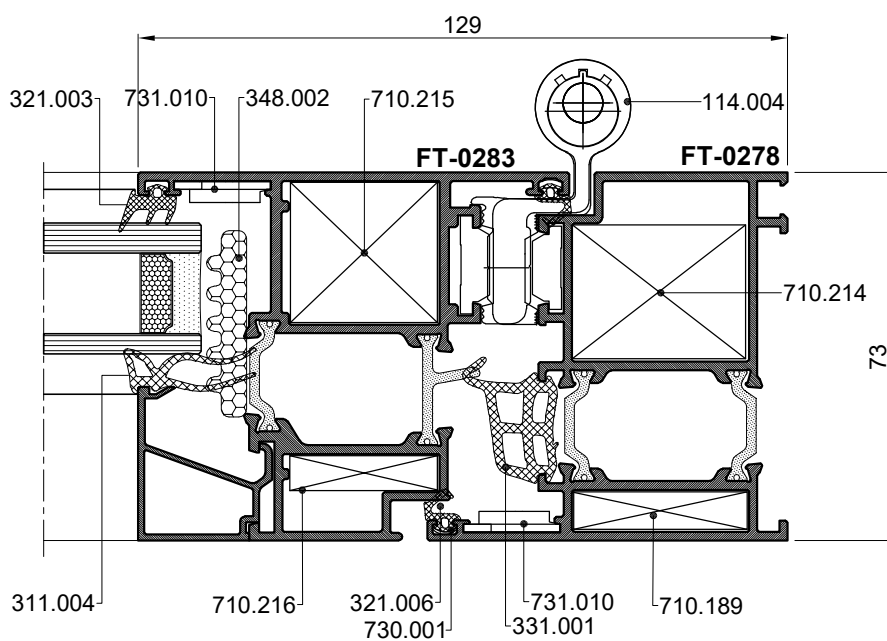
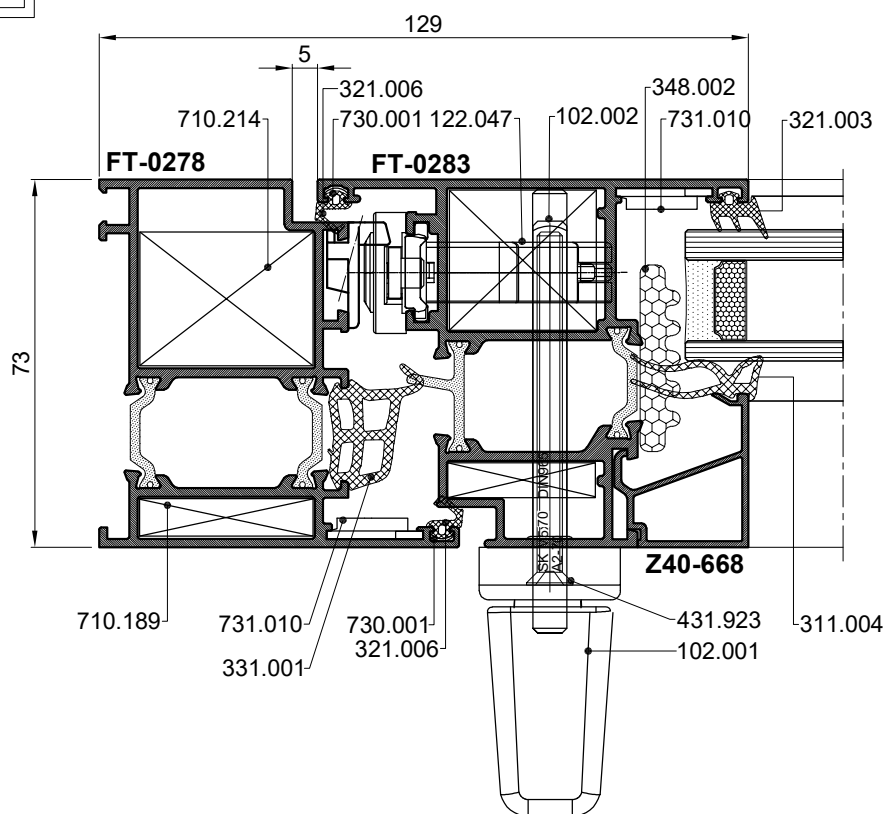
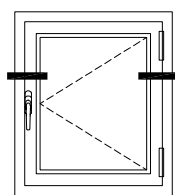




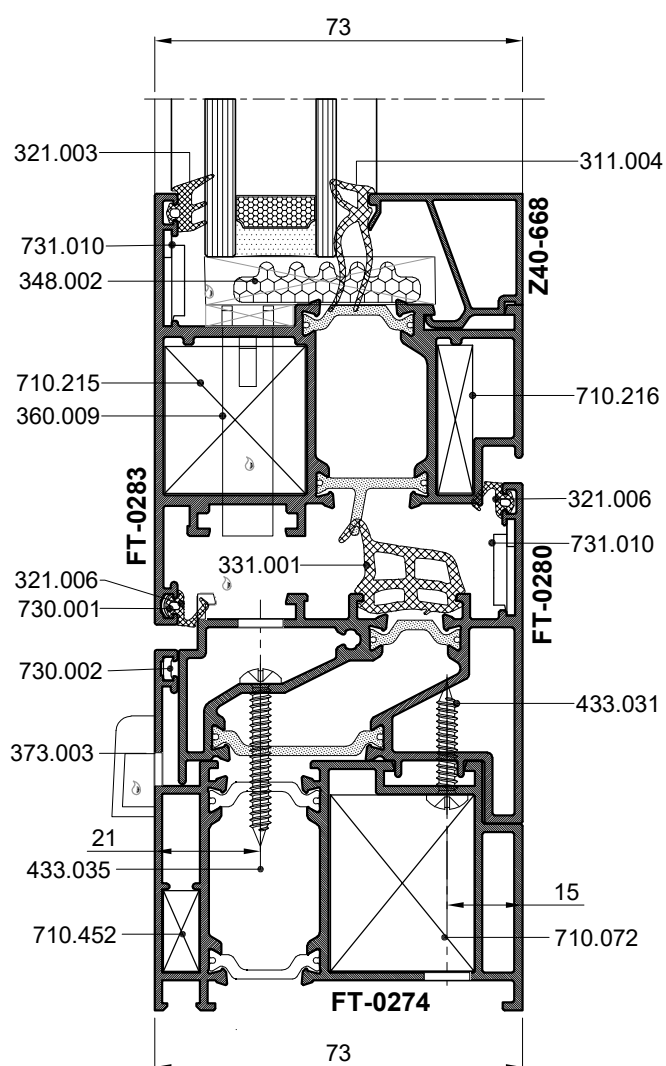
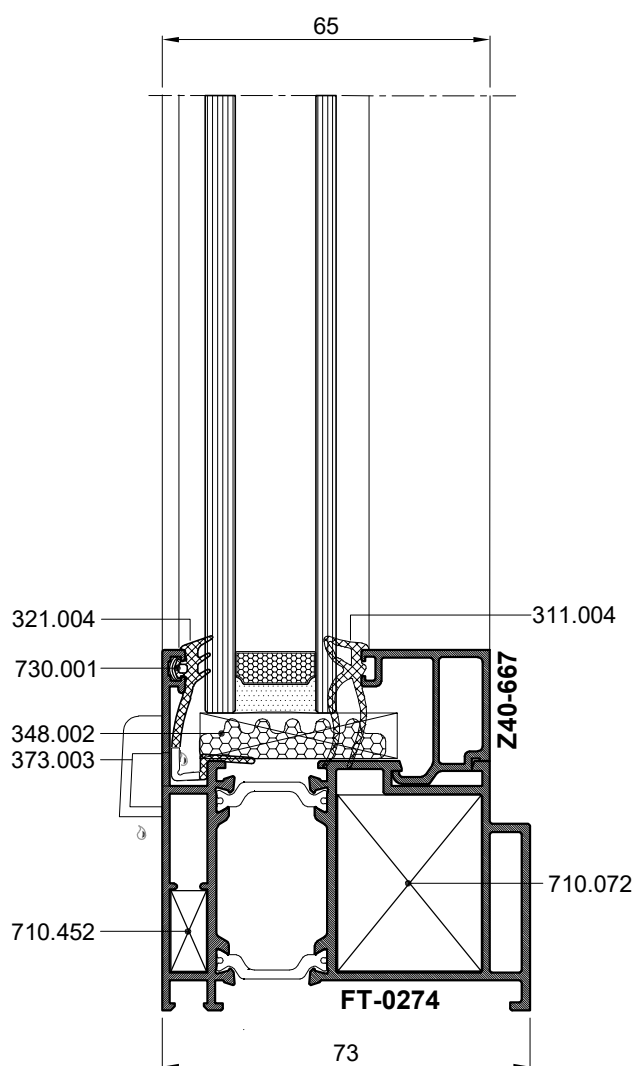
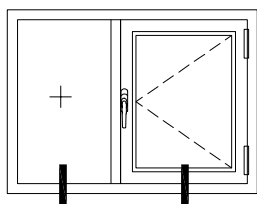
134.018  
teleskopske škare, graničnik otvaranja  
telescope stays, opening limiter

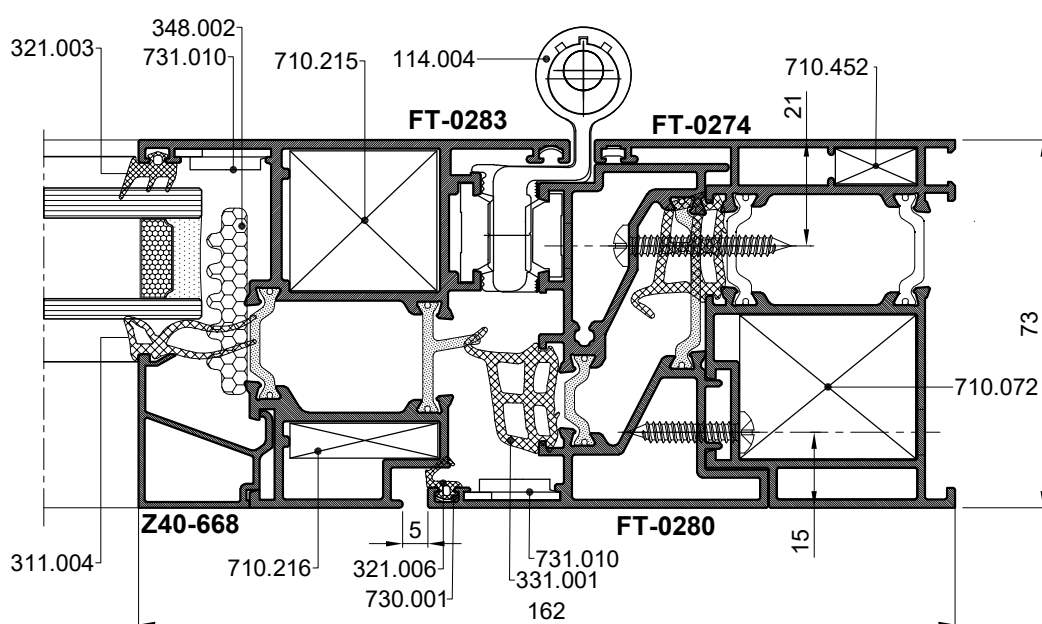
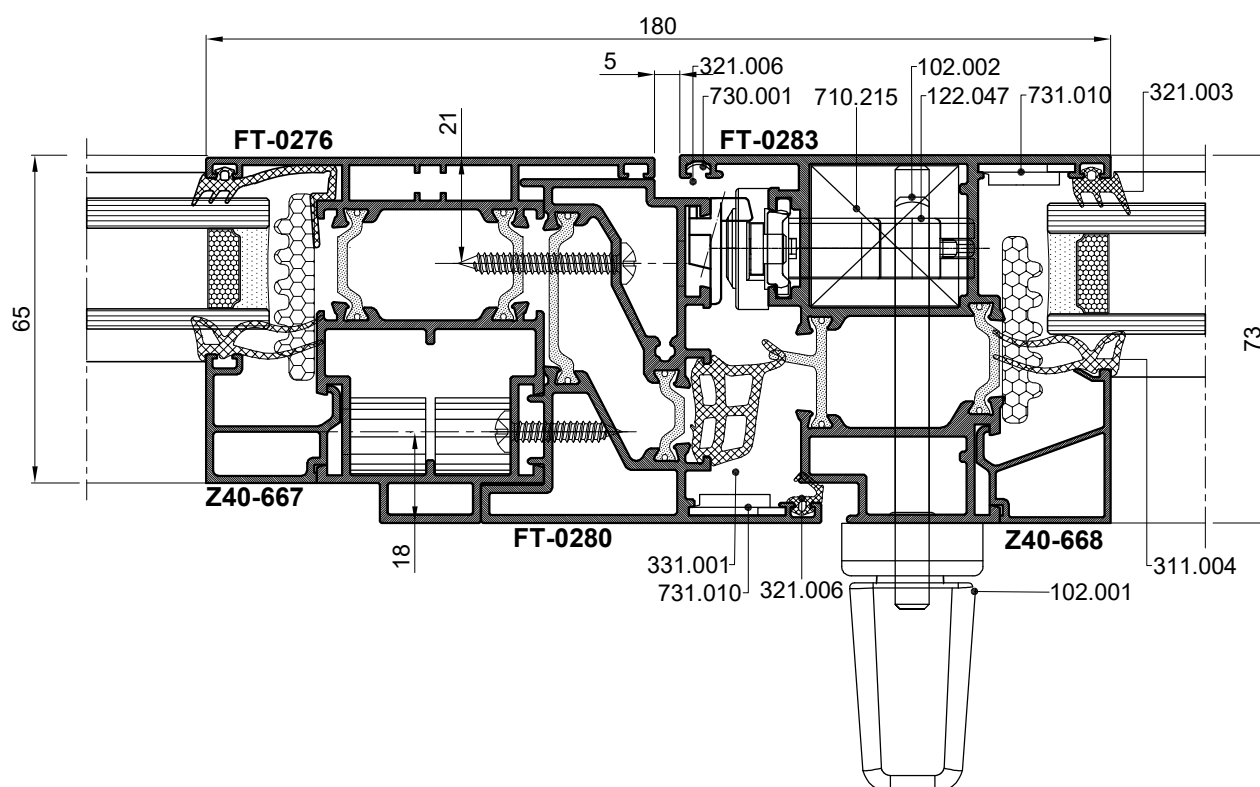
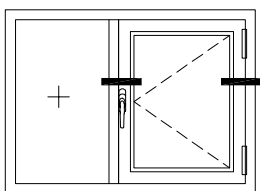


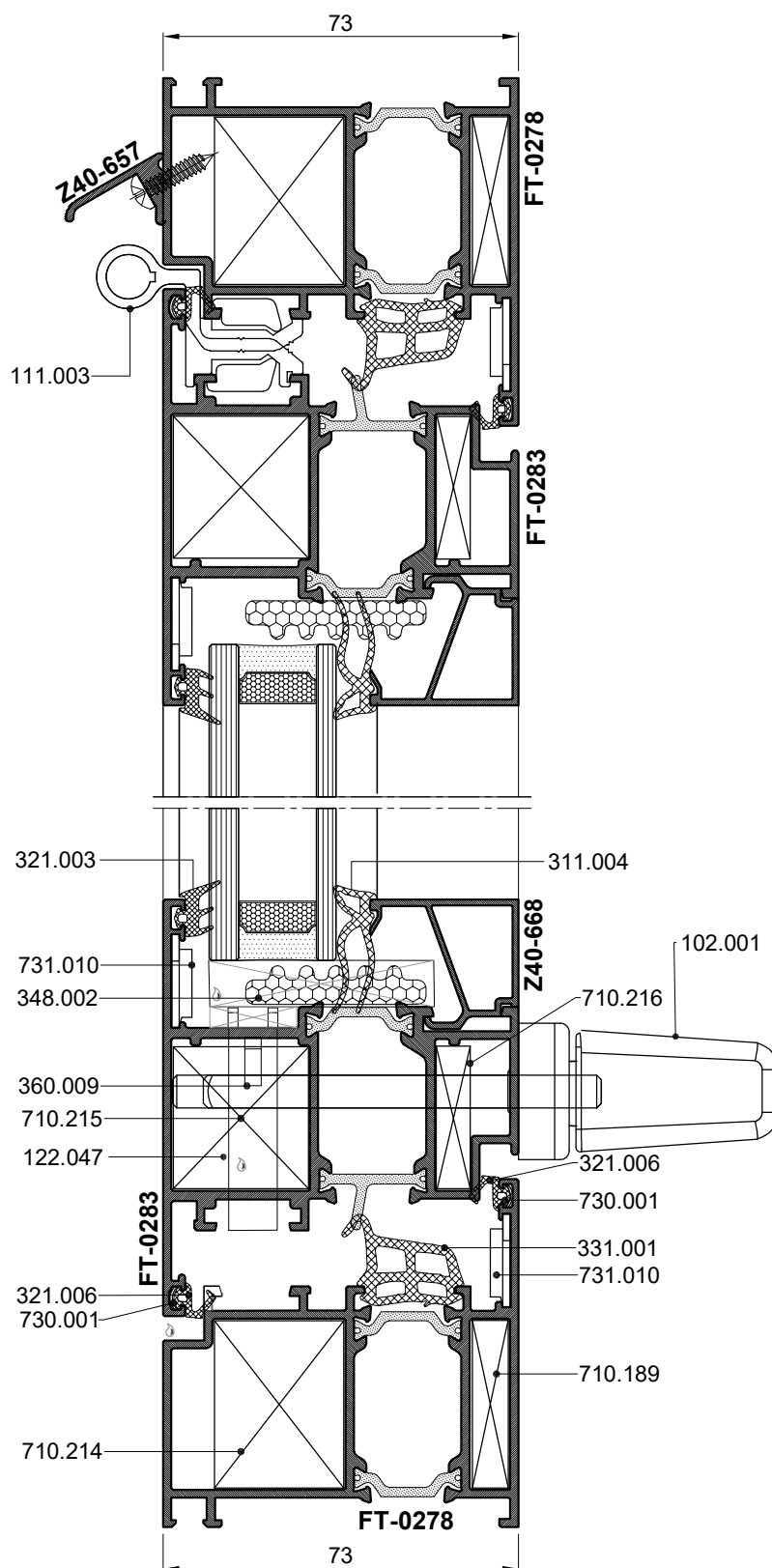
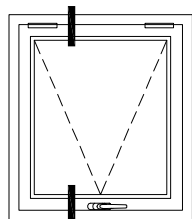
| Oznaka<br>Code | Opis<br>Description   | kom<br>pcs |
|----------------|---|------------|
| 122.047        | brava 35 mm<br>lock 35 mm   | 1          |
| 102.001        | 6-25916-35-0 (GU)<br>ručka dirigent-F<br>handle dirigent-F        | 1          |
| 102.002        | 6-28072-00-0 (GU)<br>firkant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

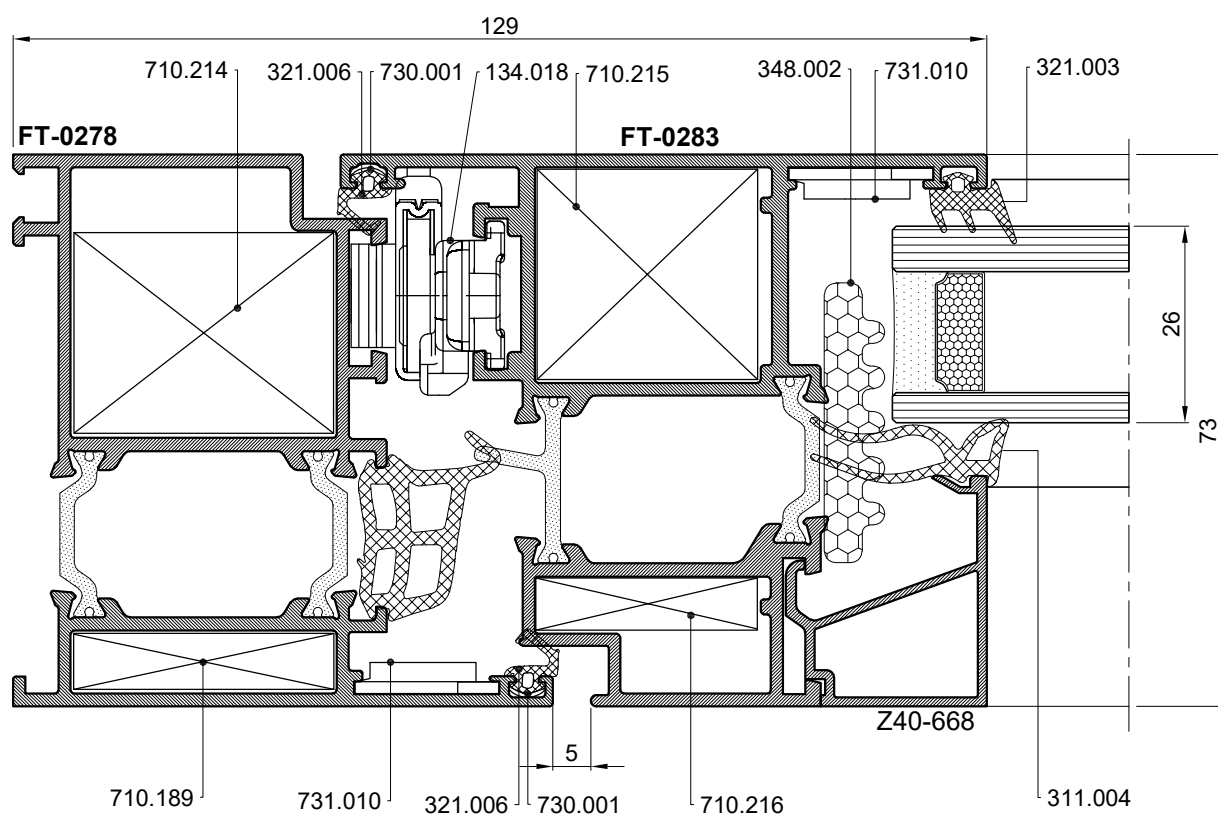
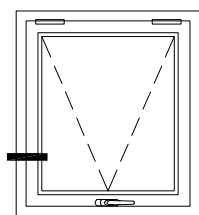


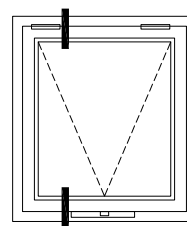
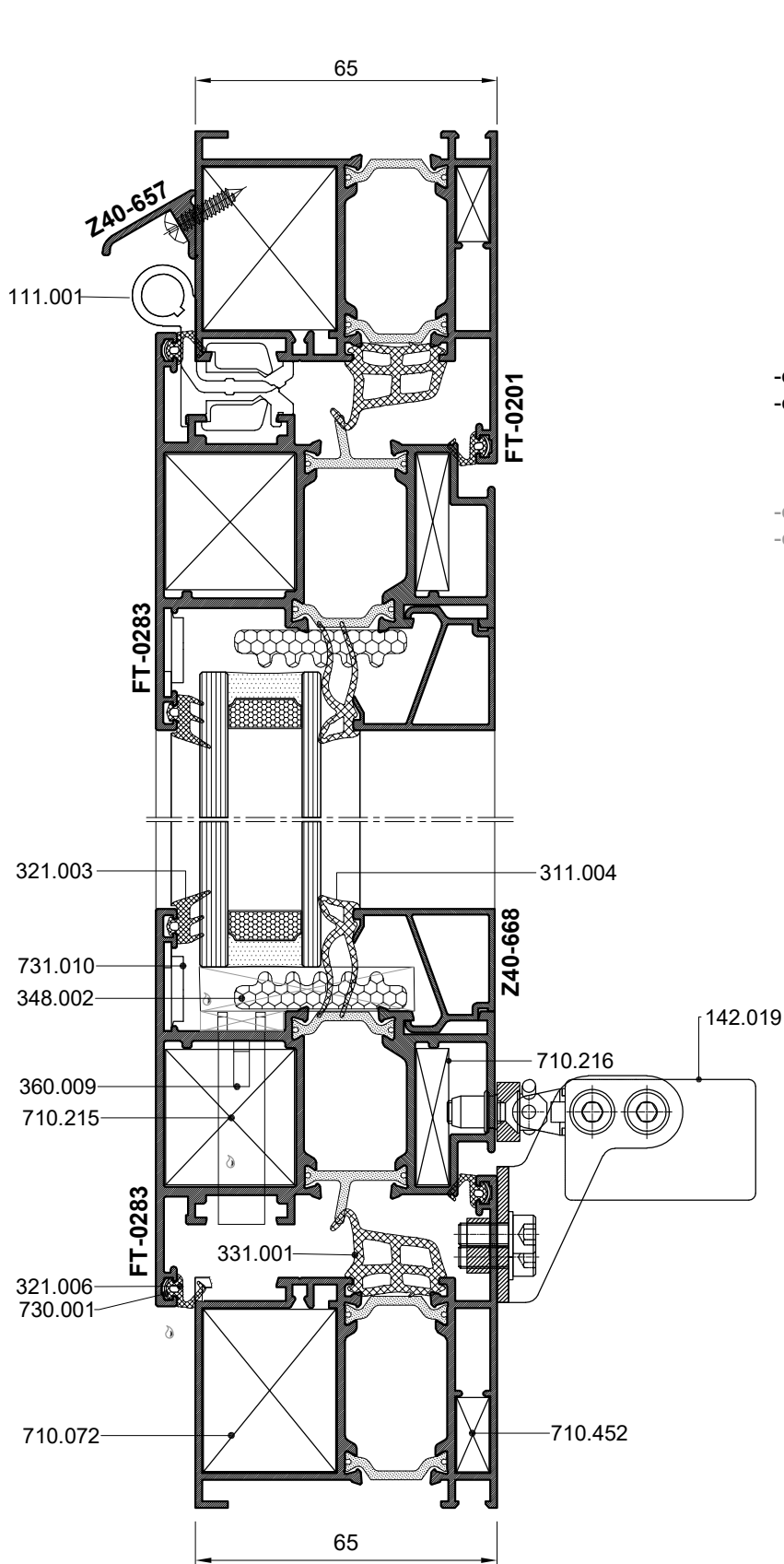




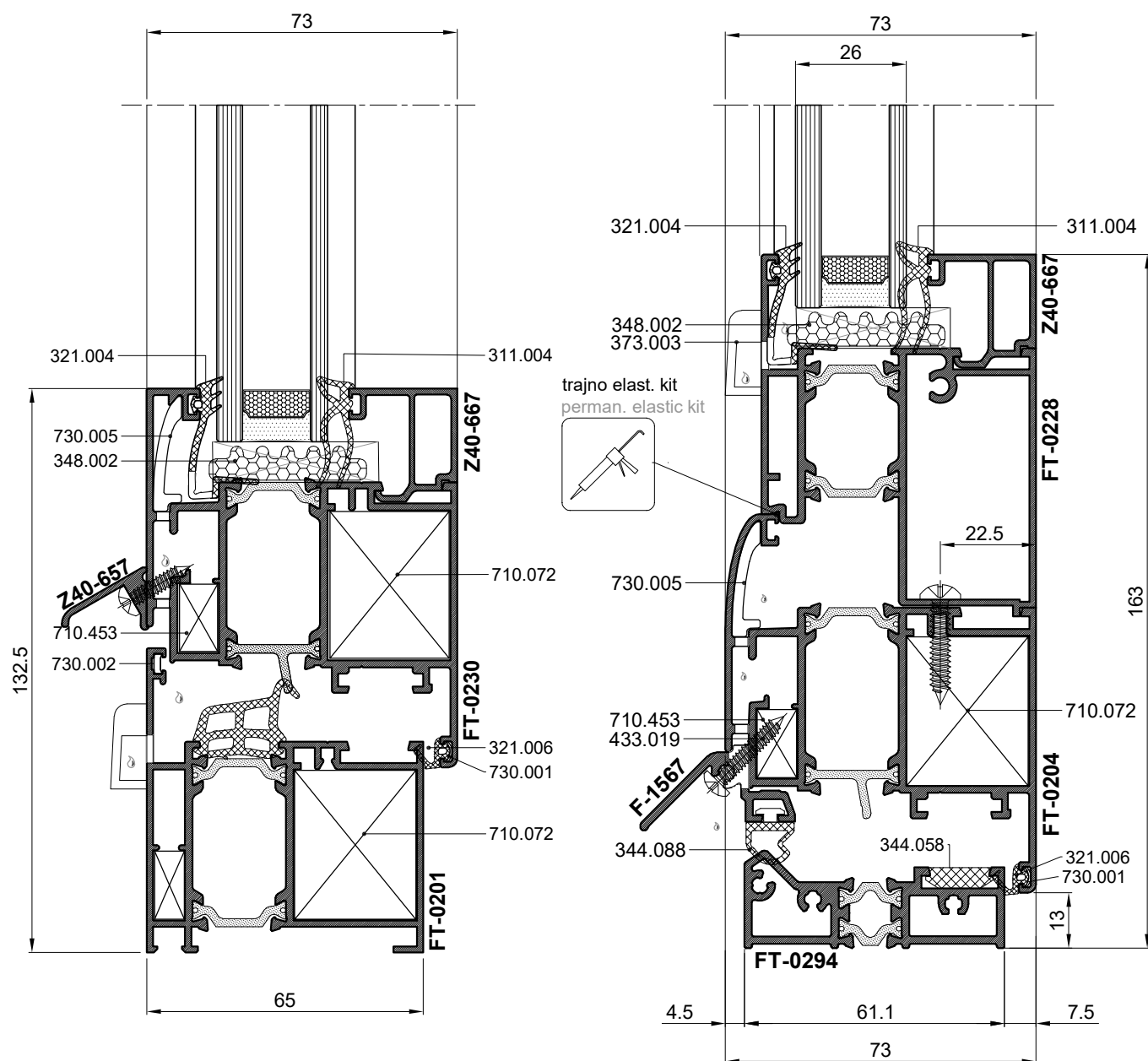
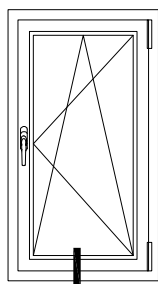




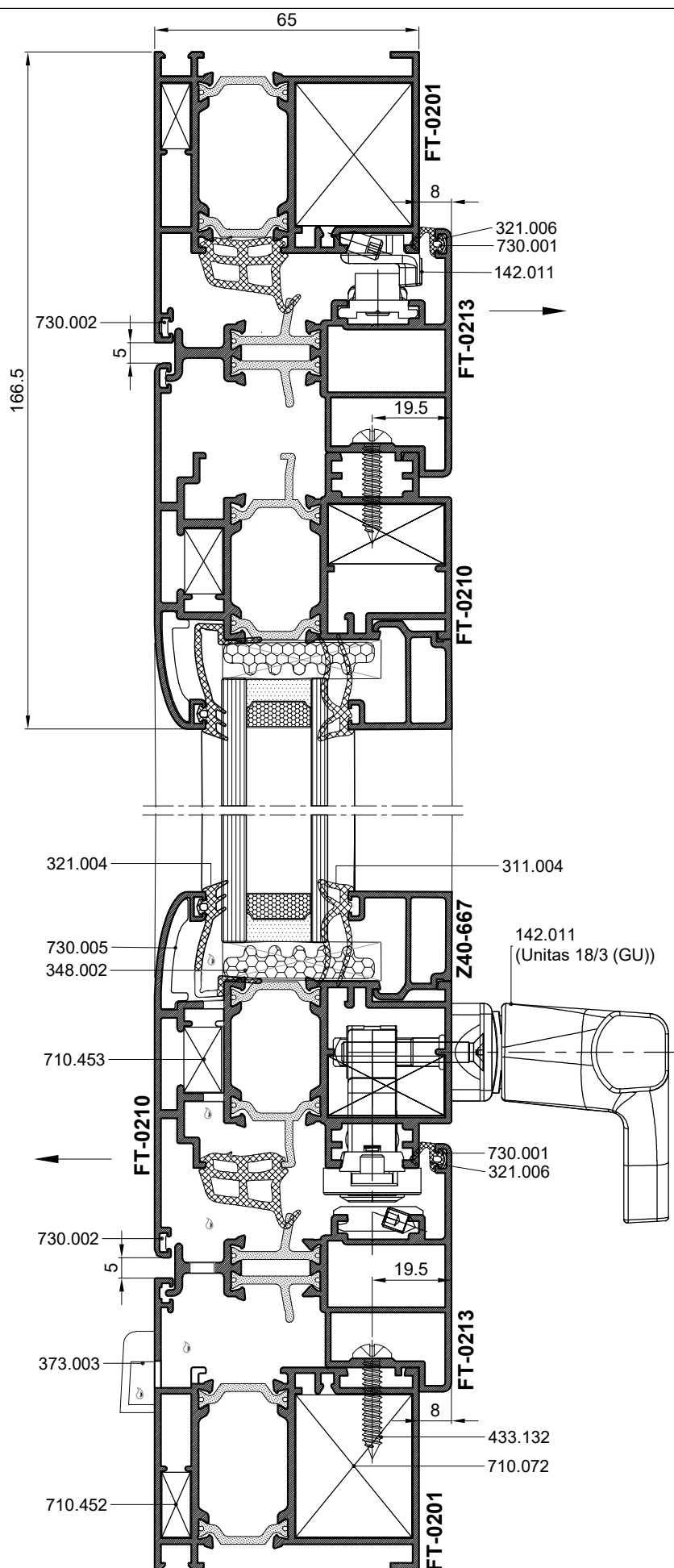
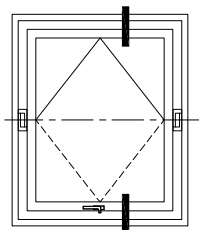




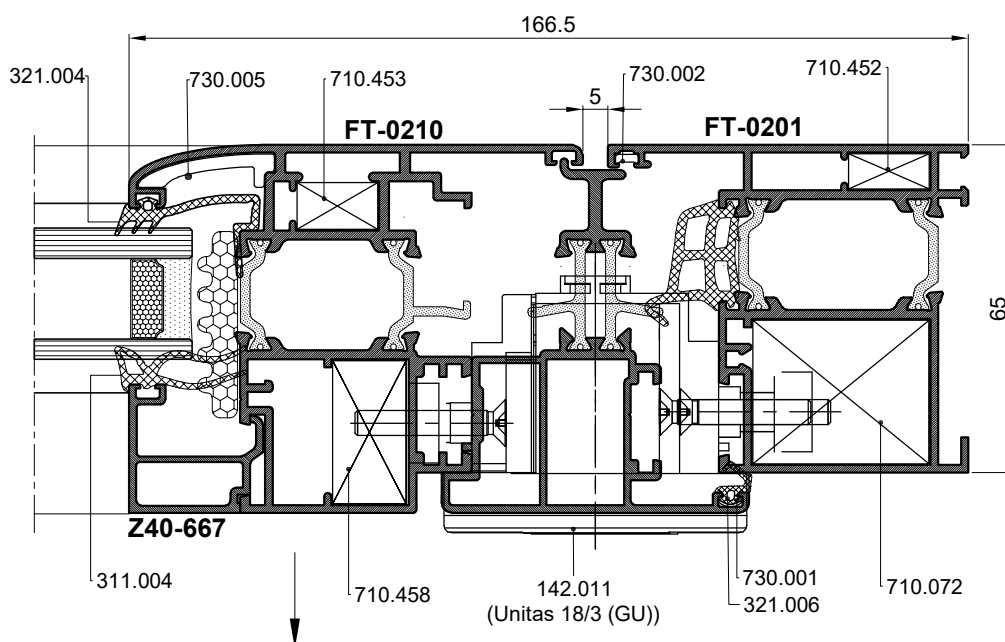
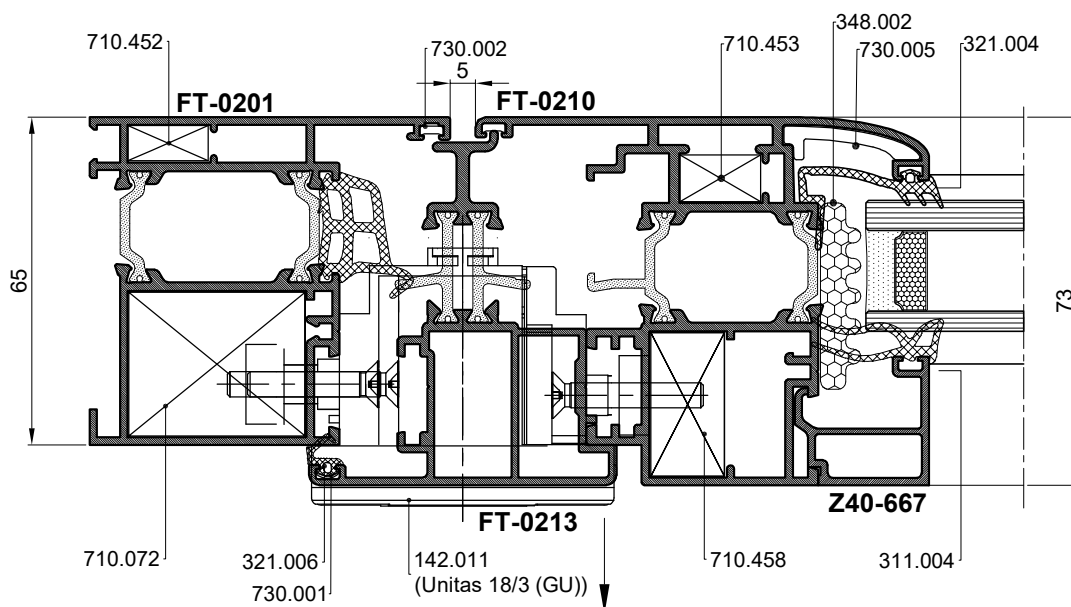
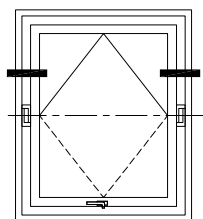
- otvaranje oko gornje ose
- elektromotorni pogon
  - 142.019 - hod motora 200 mm
  - 142.020 - hod motora 300 mm
  - 142.021 - hod motora 400 mm
- opening top axis
- electric motor drive
  - 142.019 - throw motor 200 mm
  - 142.020 - throw motor 300 mm
  - 142.021 - throw motor 400 mm



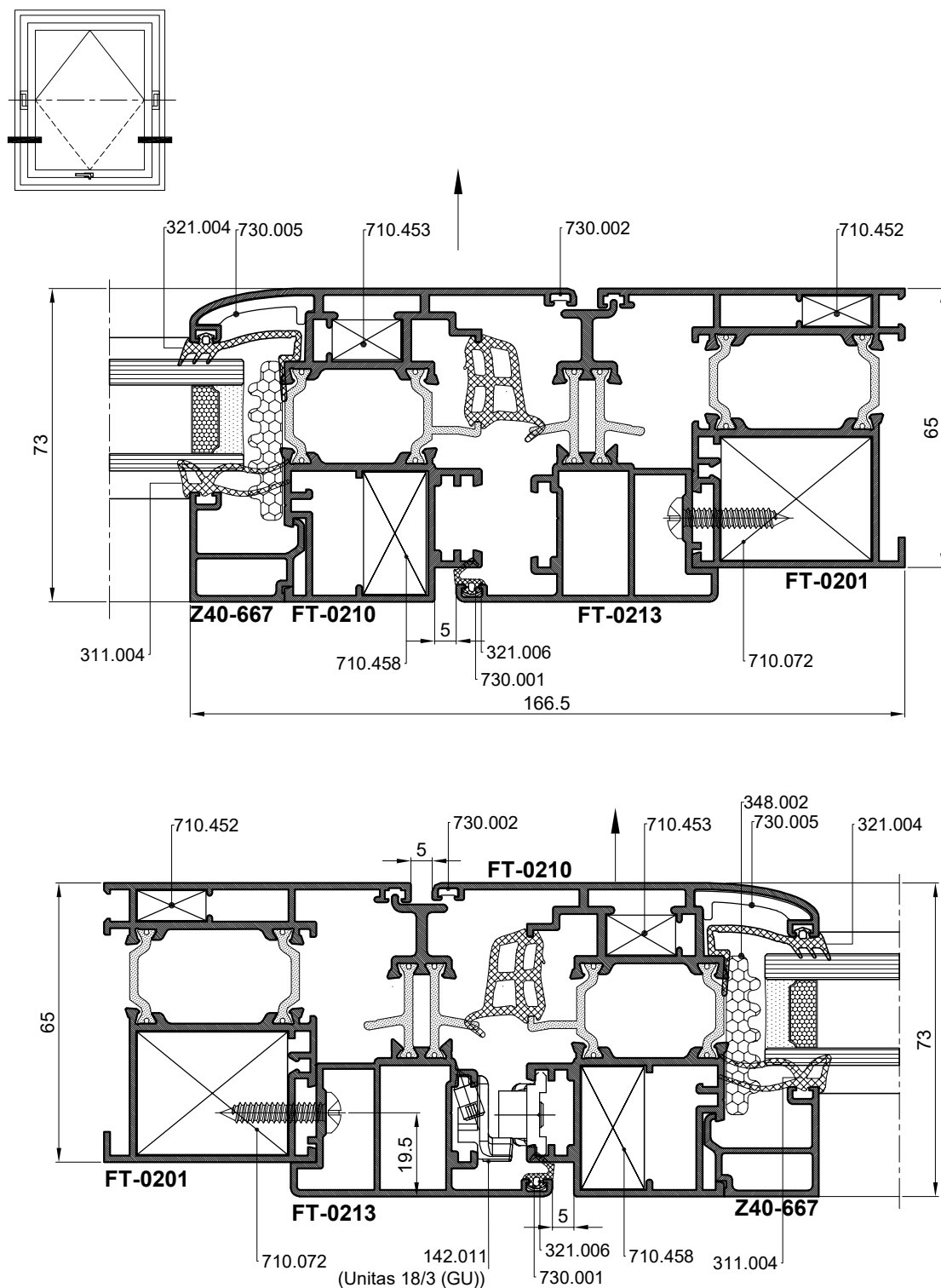
PROZOR - OTVARANJE OKO  
SREDNJE VODORAVNE OSE  
WINDOW - HORIZONTAL  
PIVOT OPENING



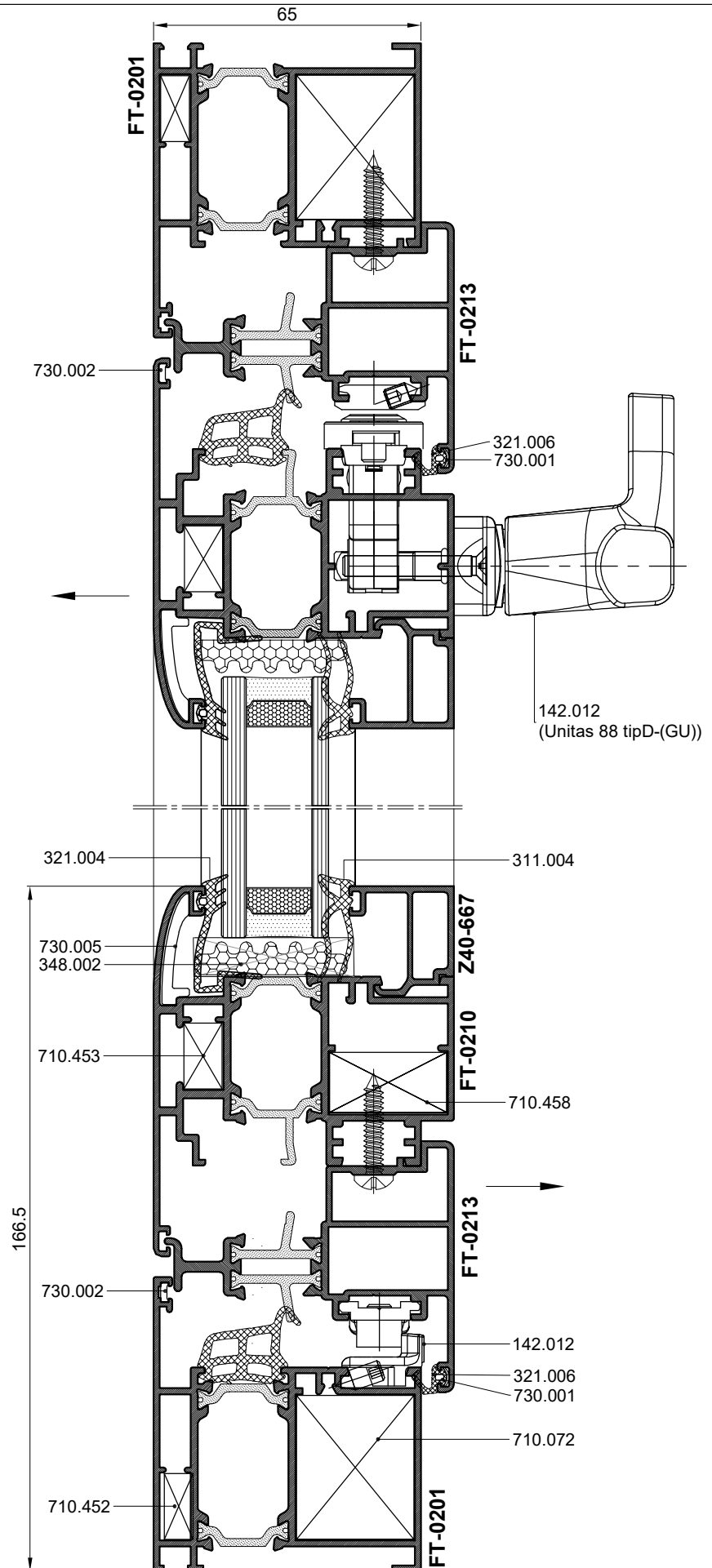
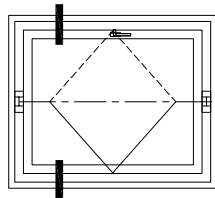


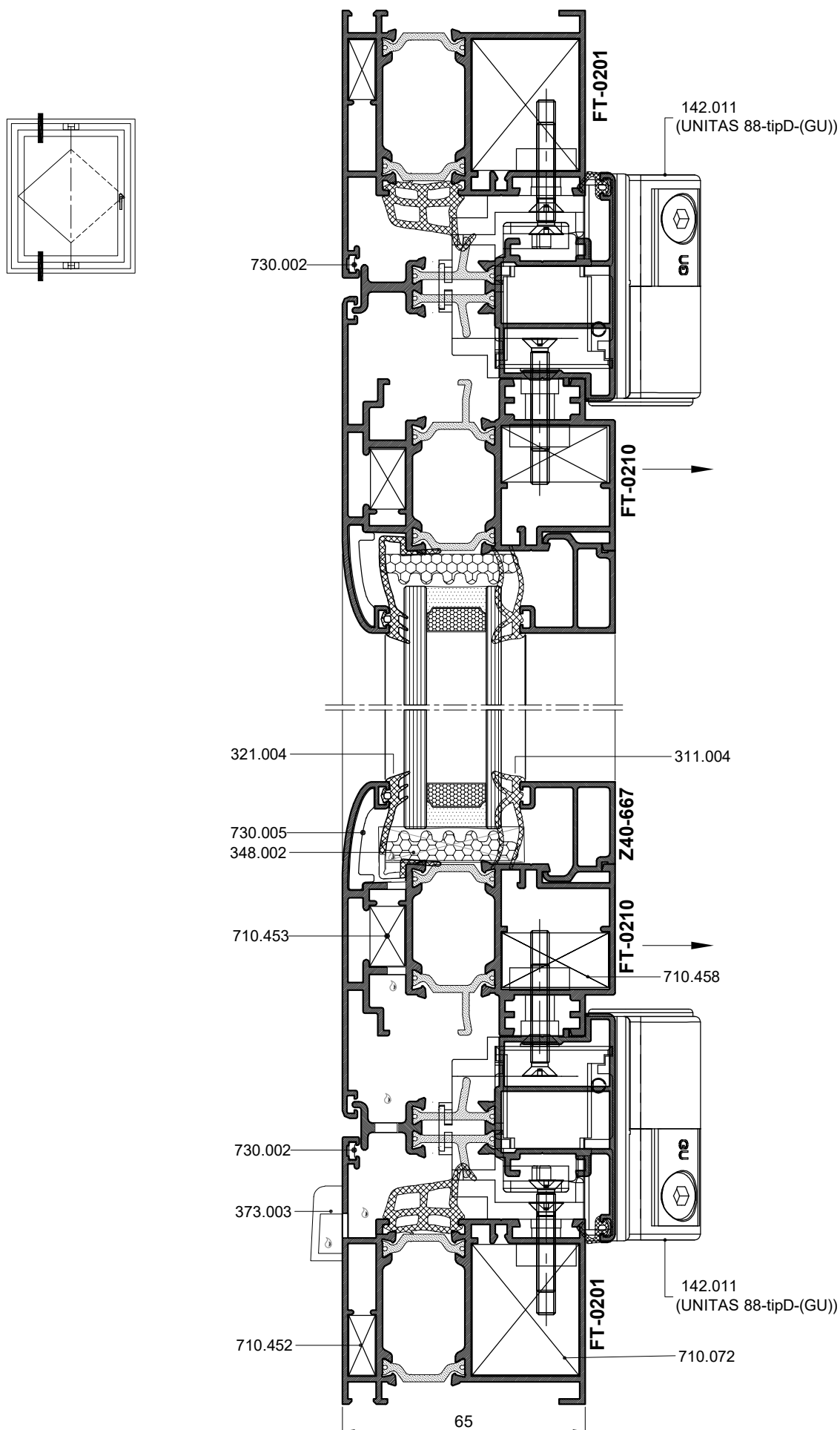


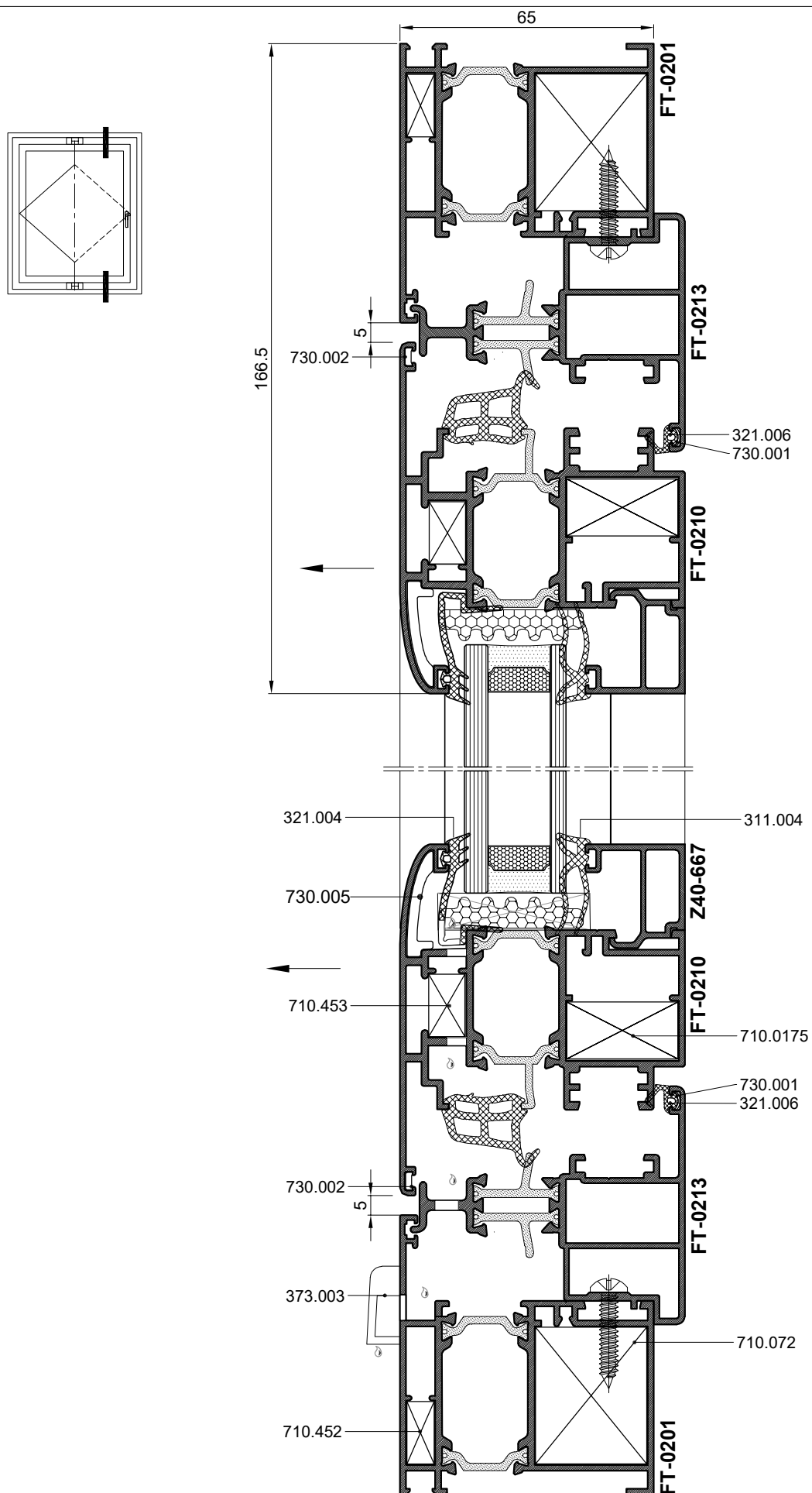


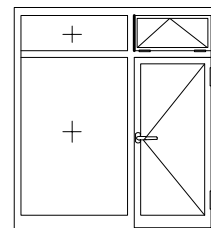
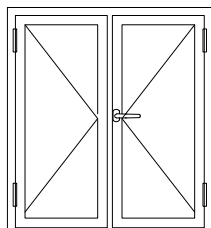
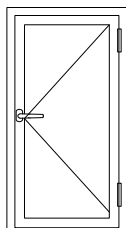


PROZOR - OTVARANJE OKO SREDNJE OKOMITE OSE  
WINDOW VERTICAL PIVOT OPENING

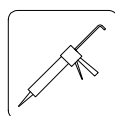
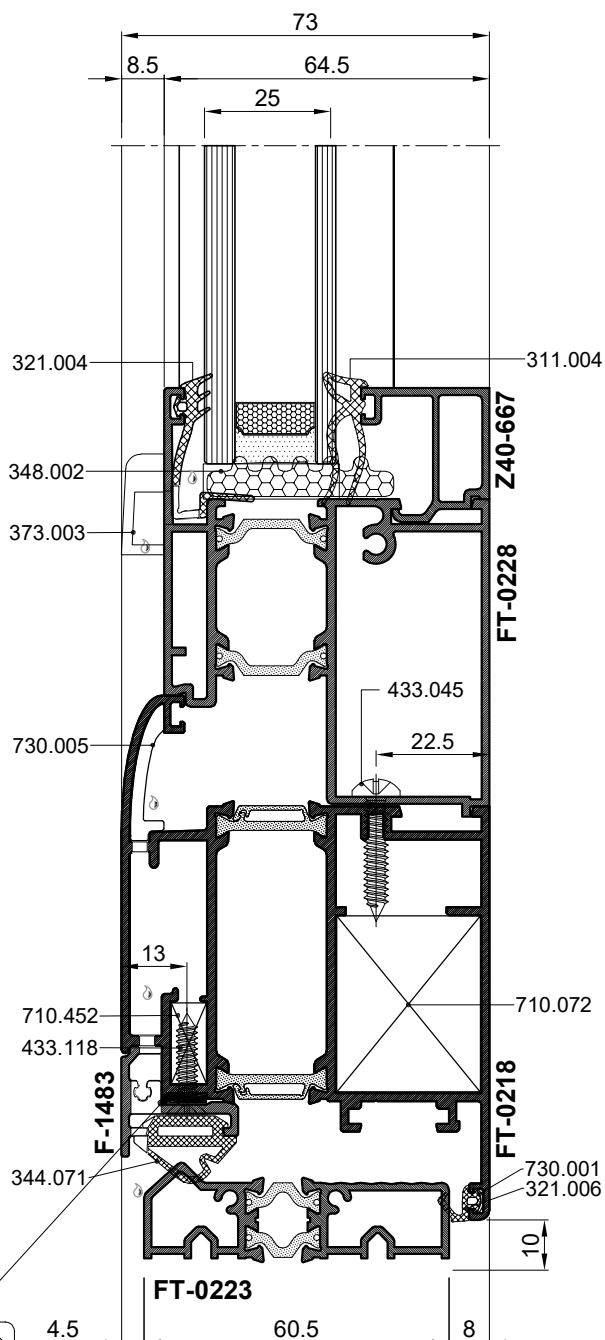
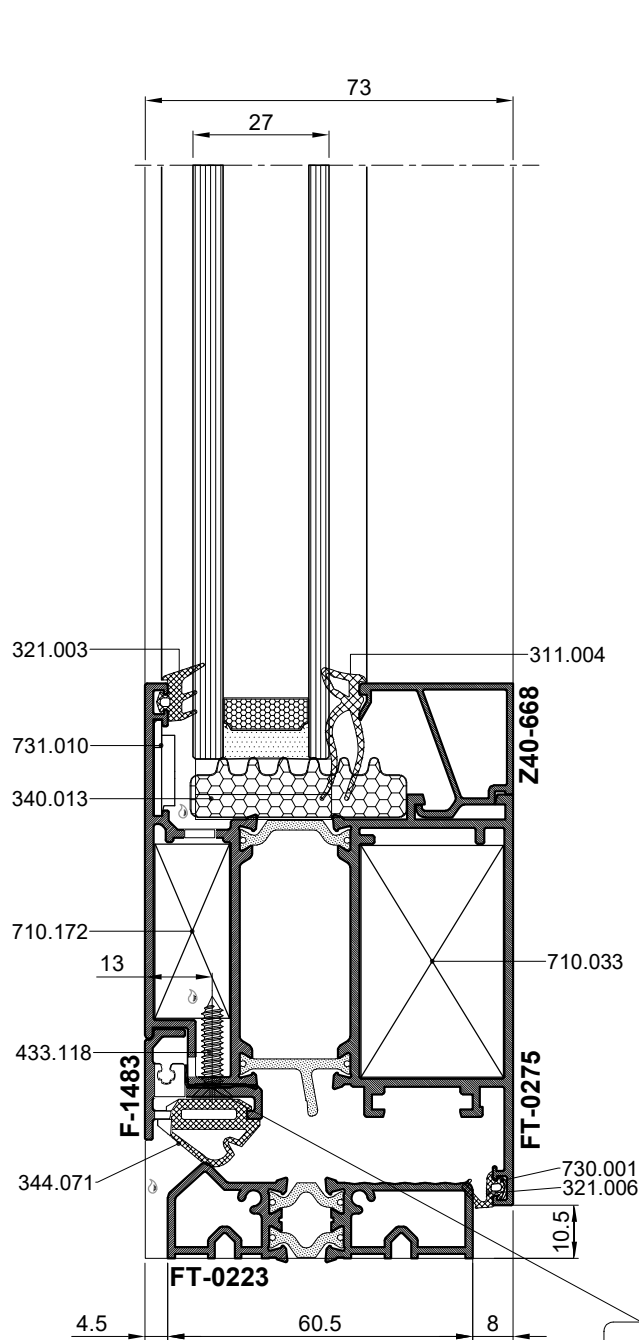
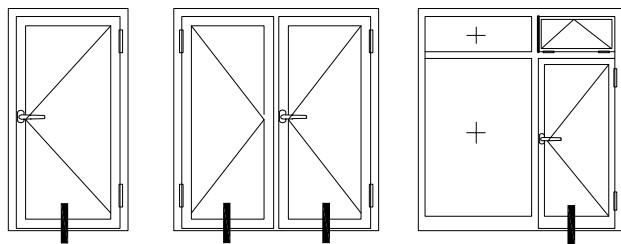




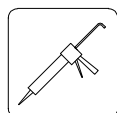
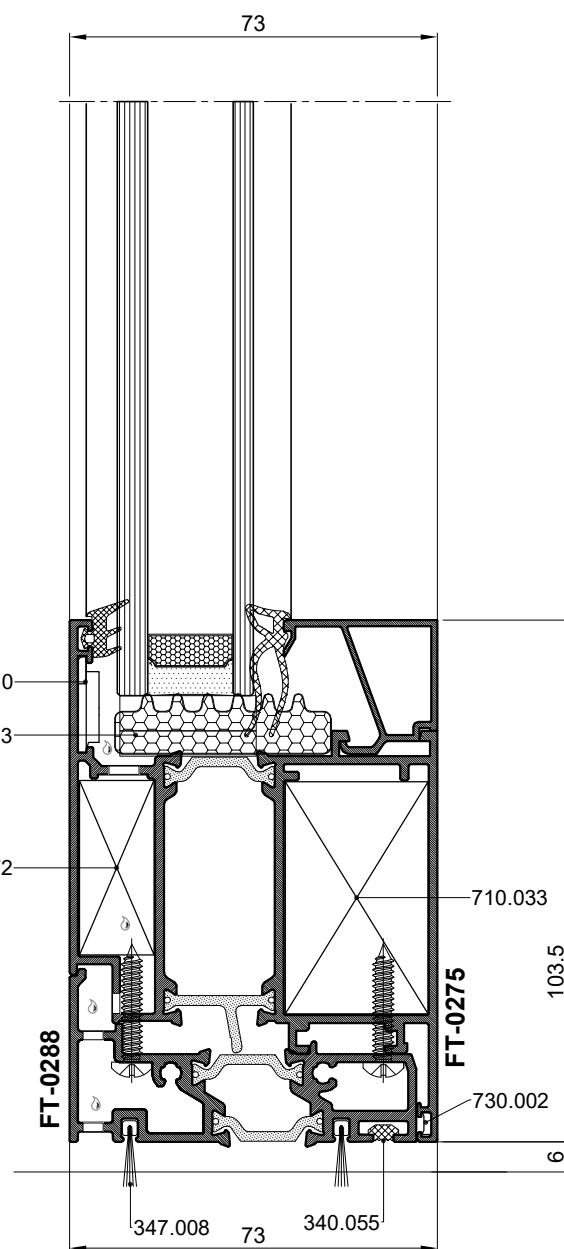
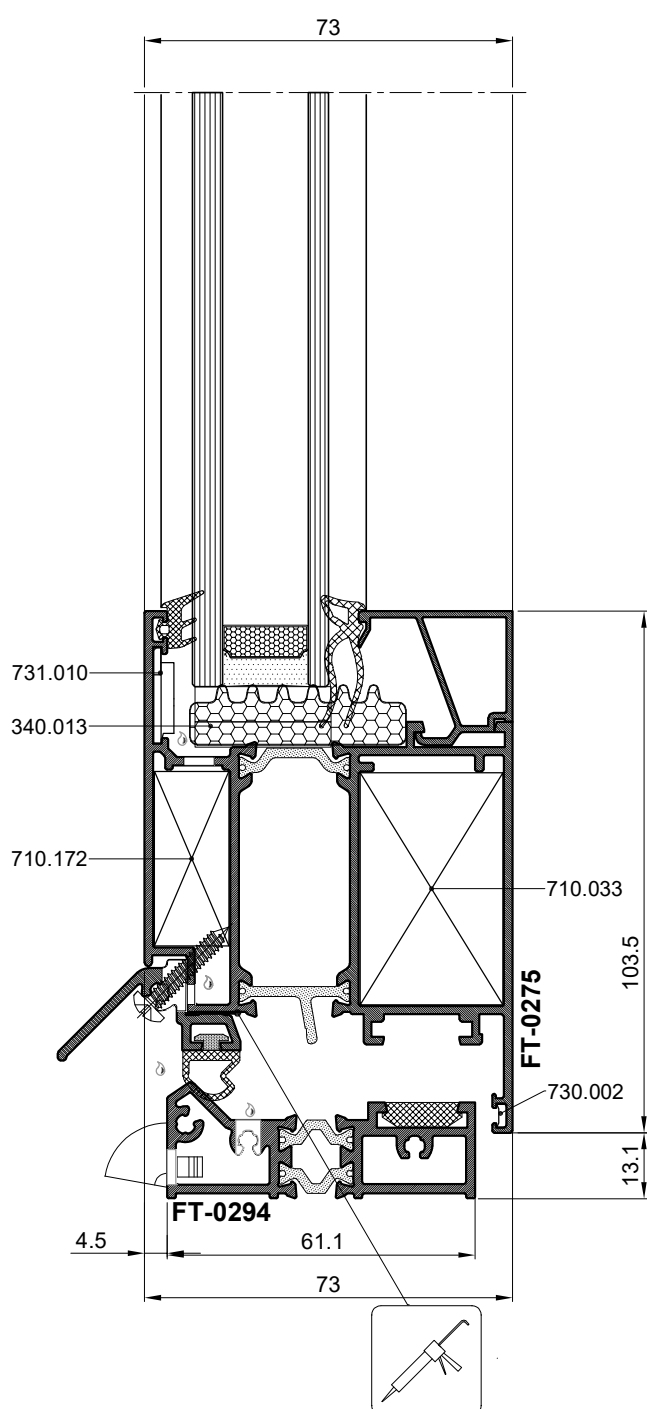
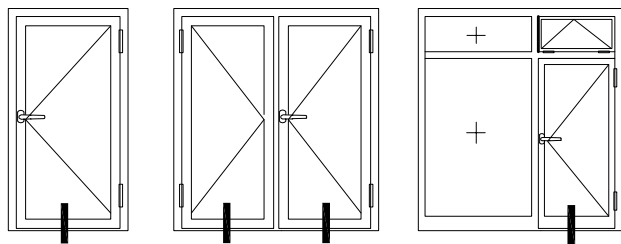






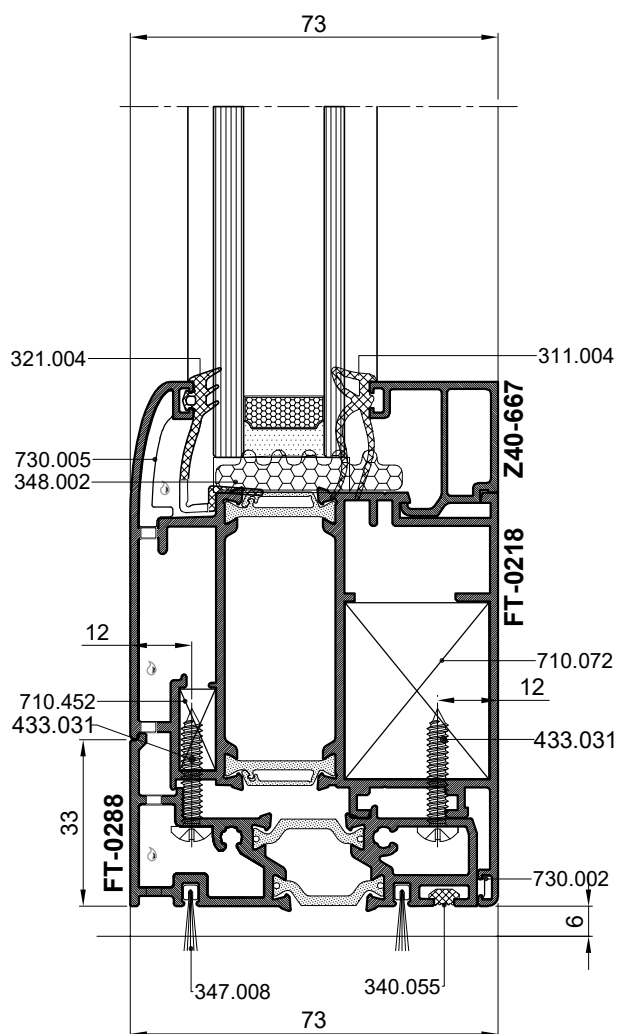
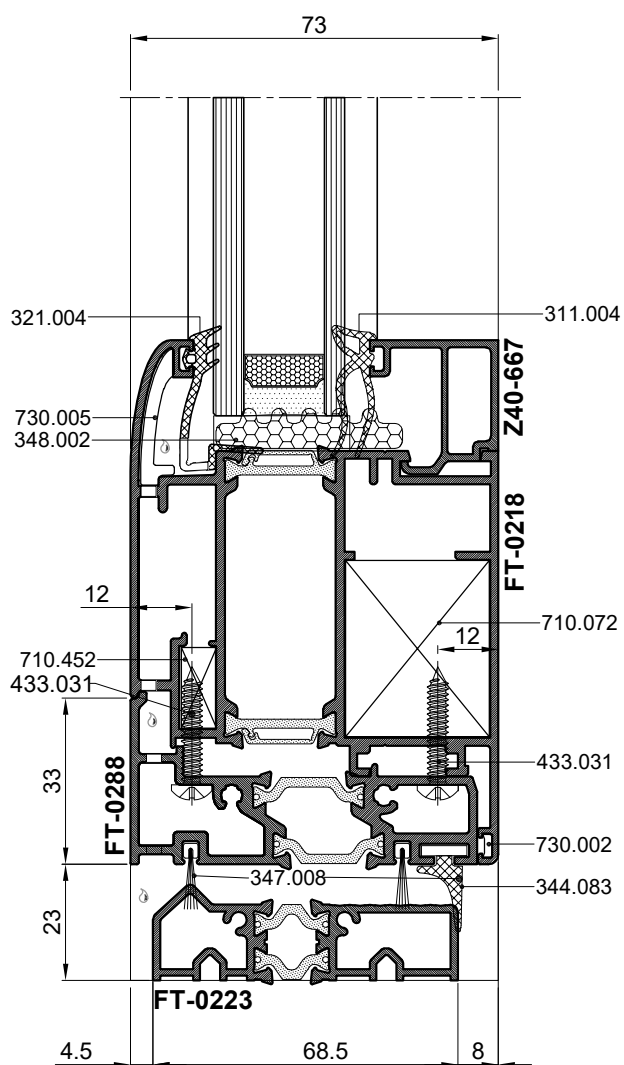
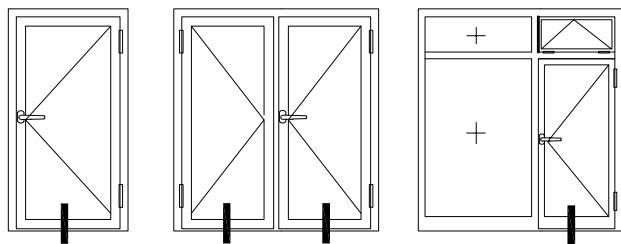


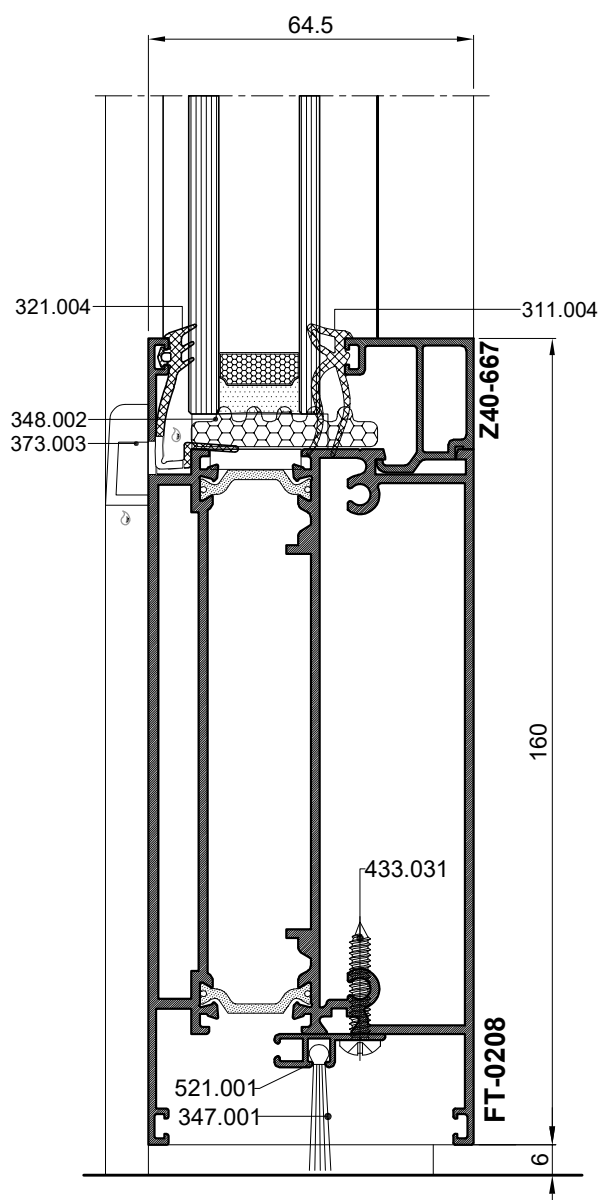
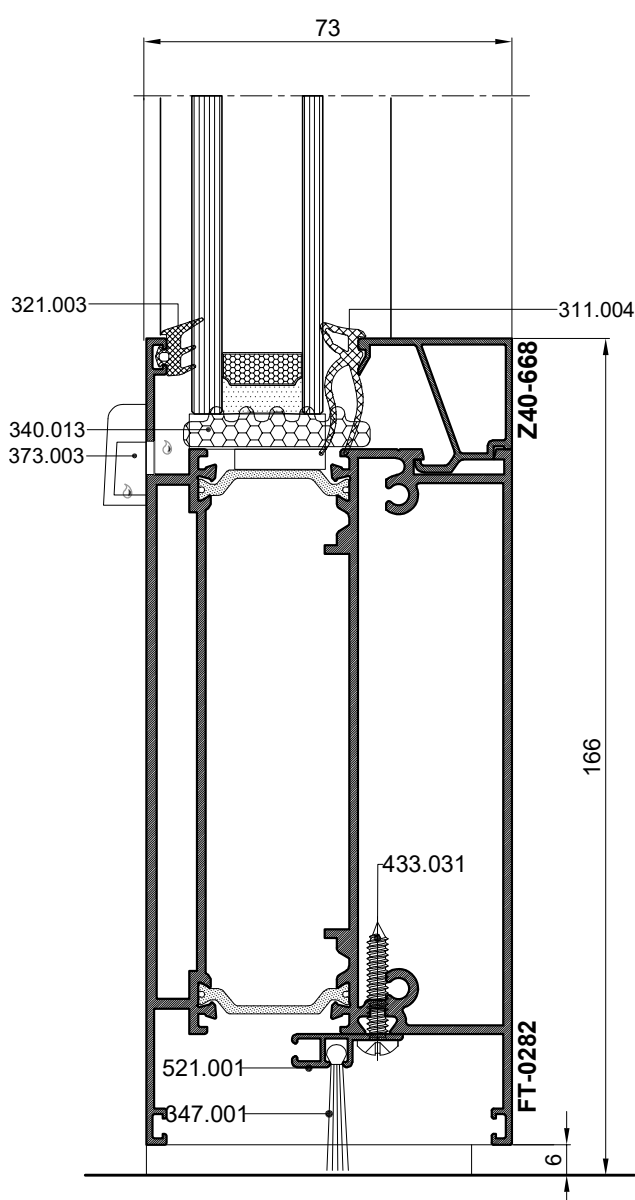
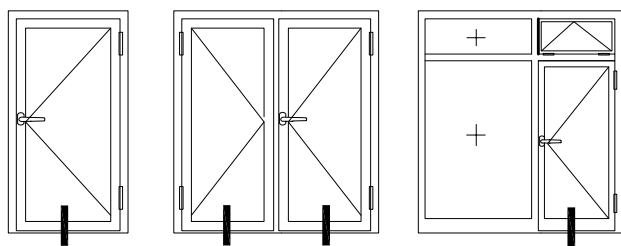
ljepilo za metal  
(npr. Teroson MS 939)  
metal glue  
(eg. Teroson MS 939)

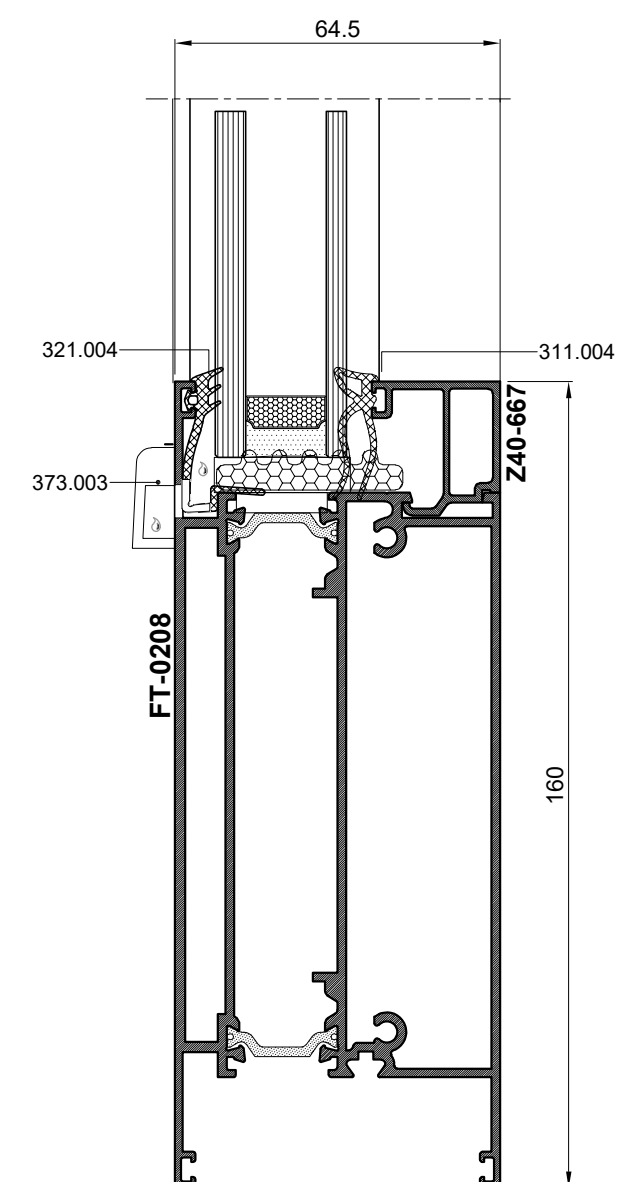
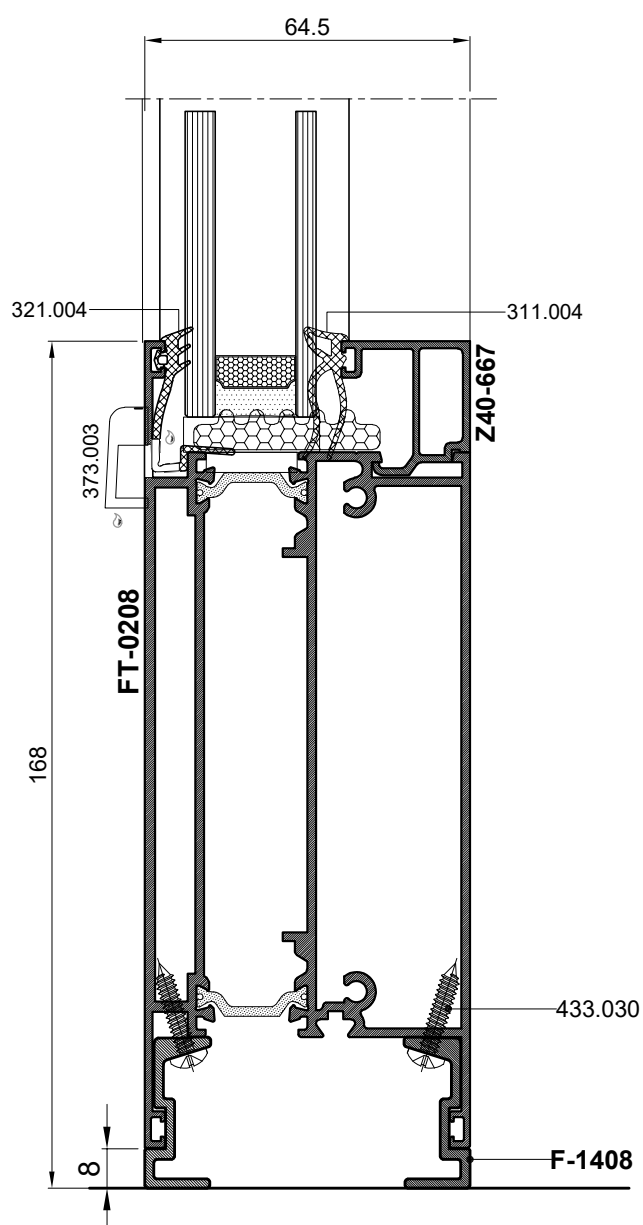
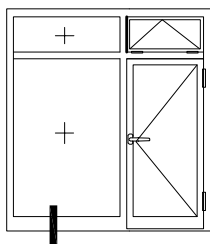


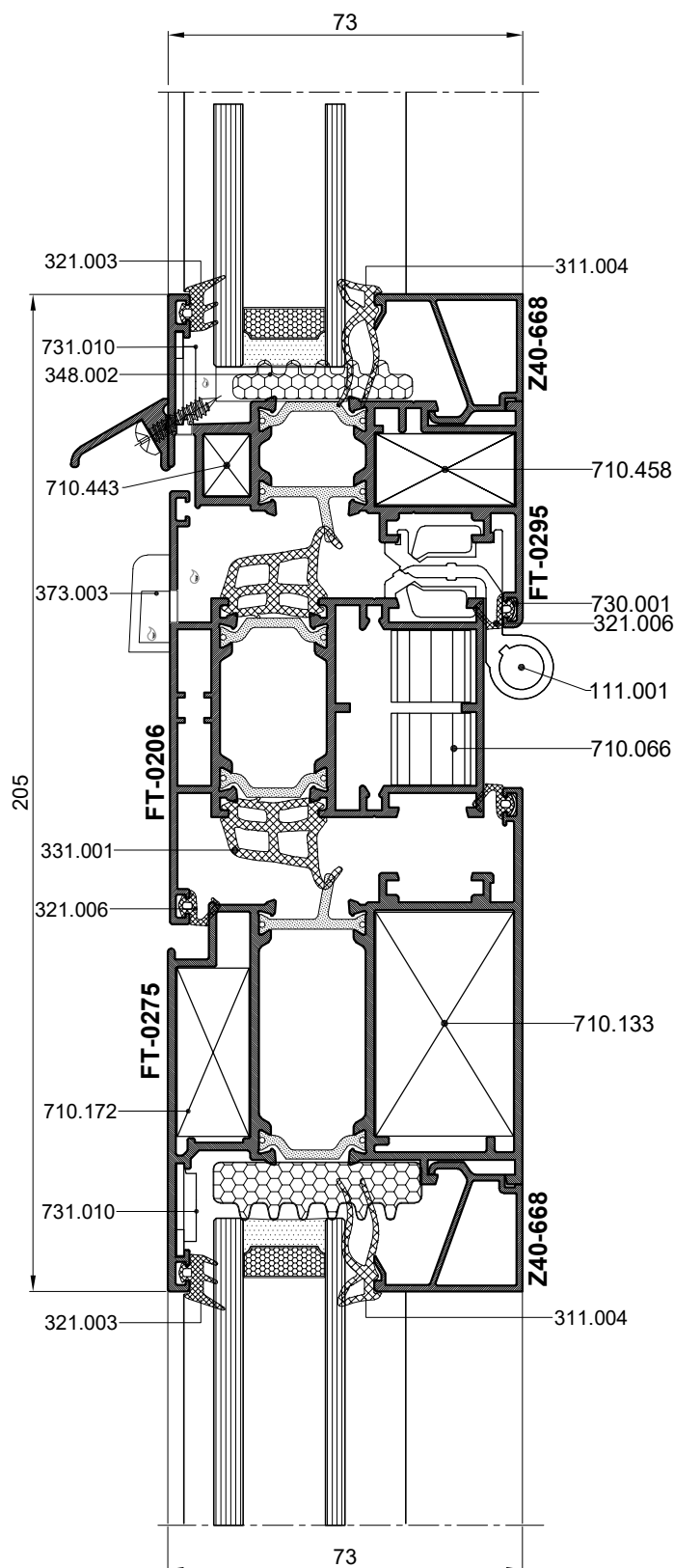
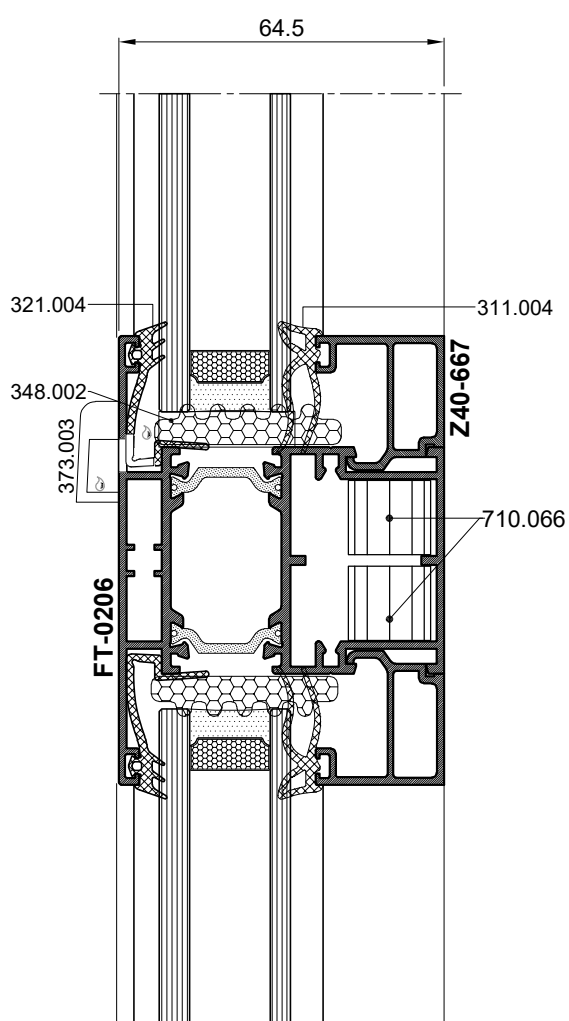
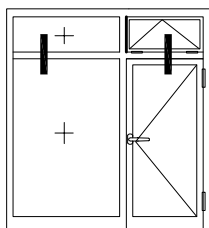
ljepilo za metal  
(npr. Teroson MS 939)  
metal glue  
(eg. Teroson MS 939)

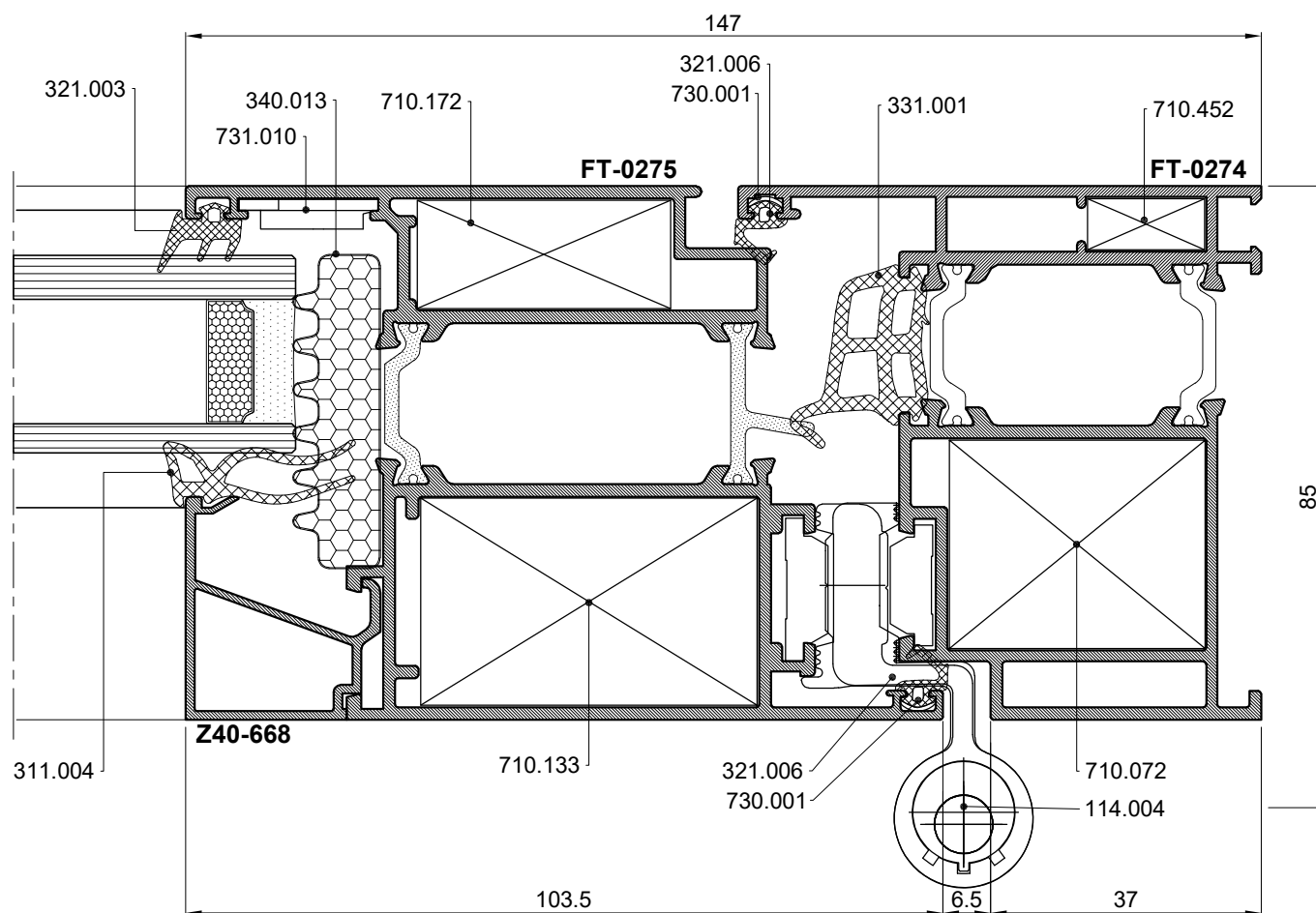
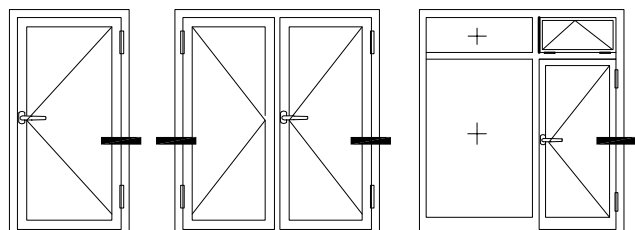


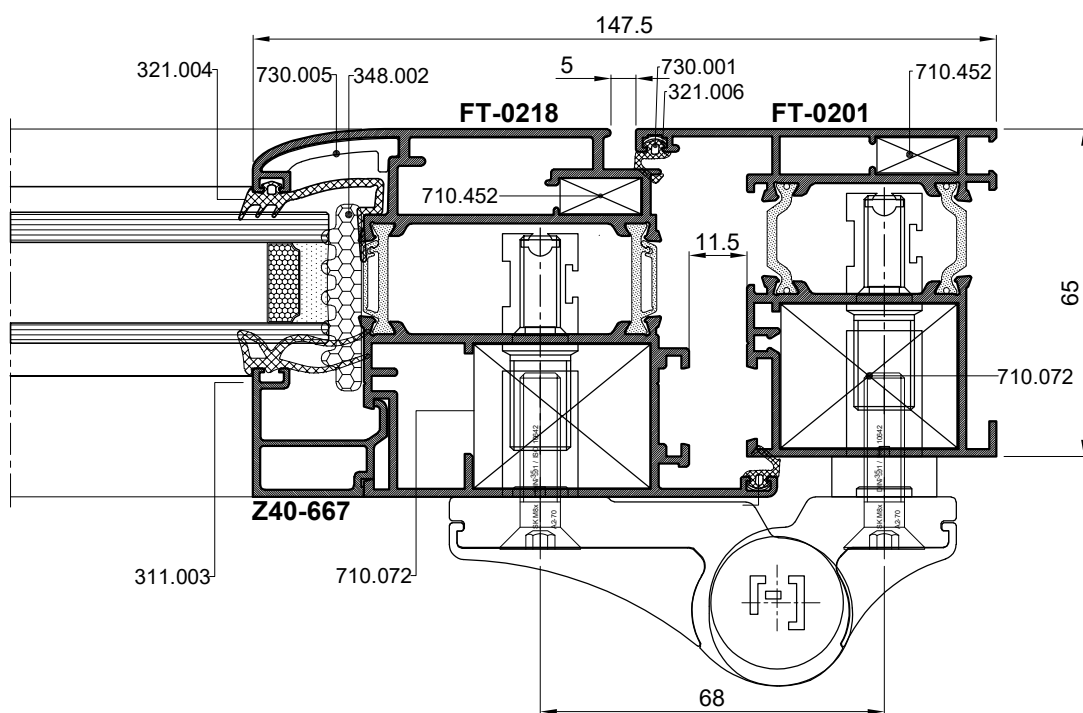
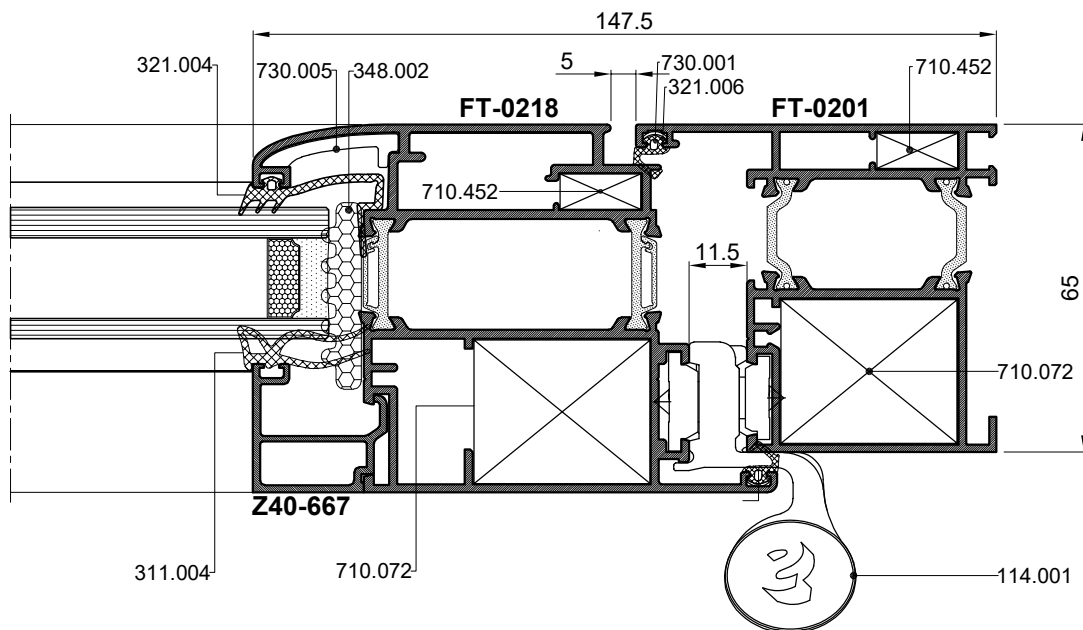
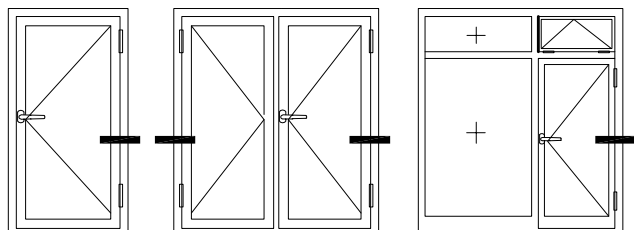


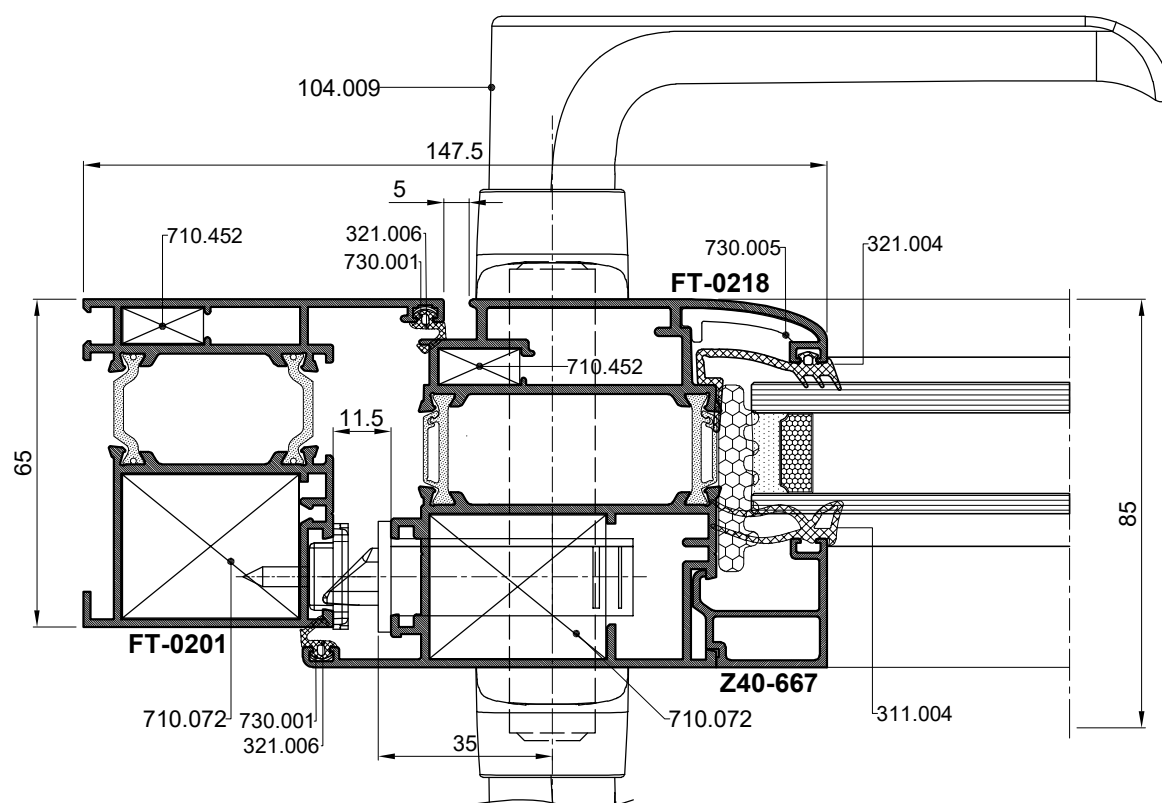
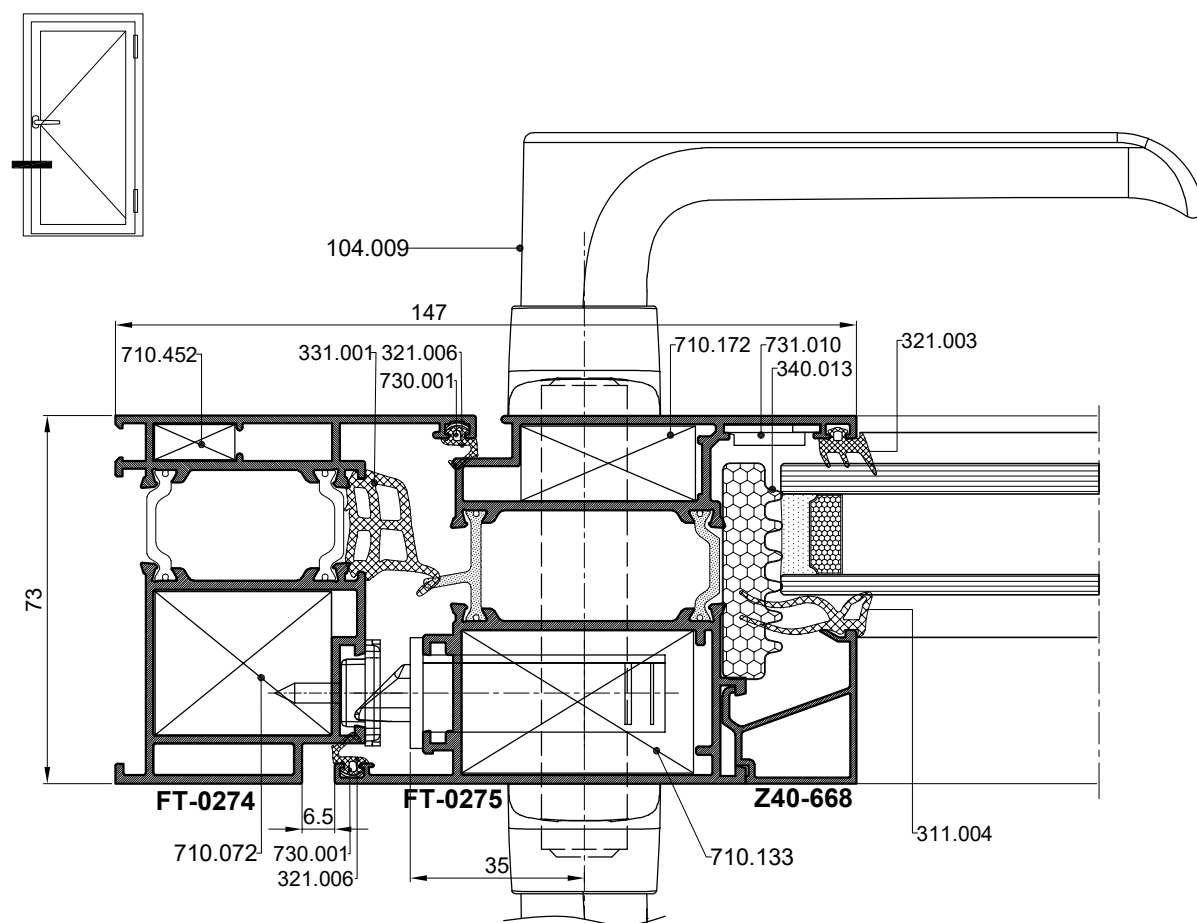


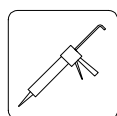
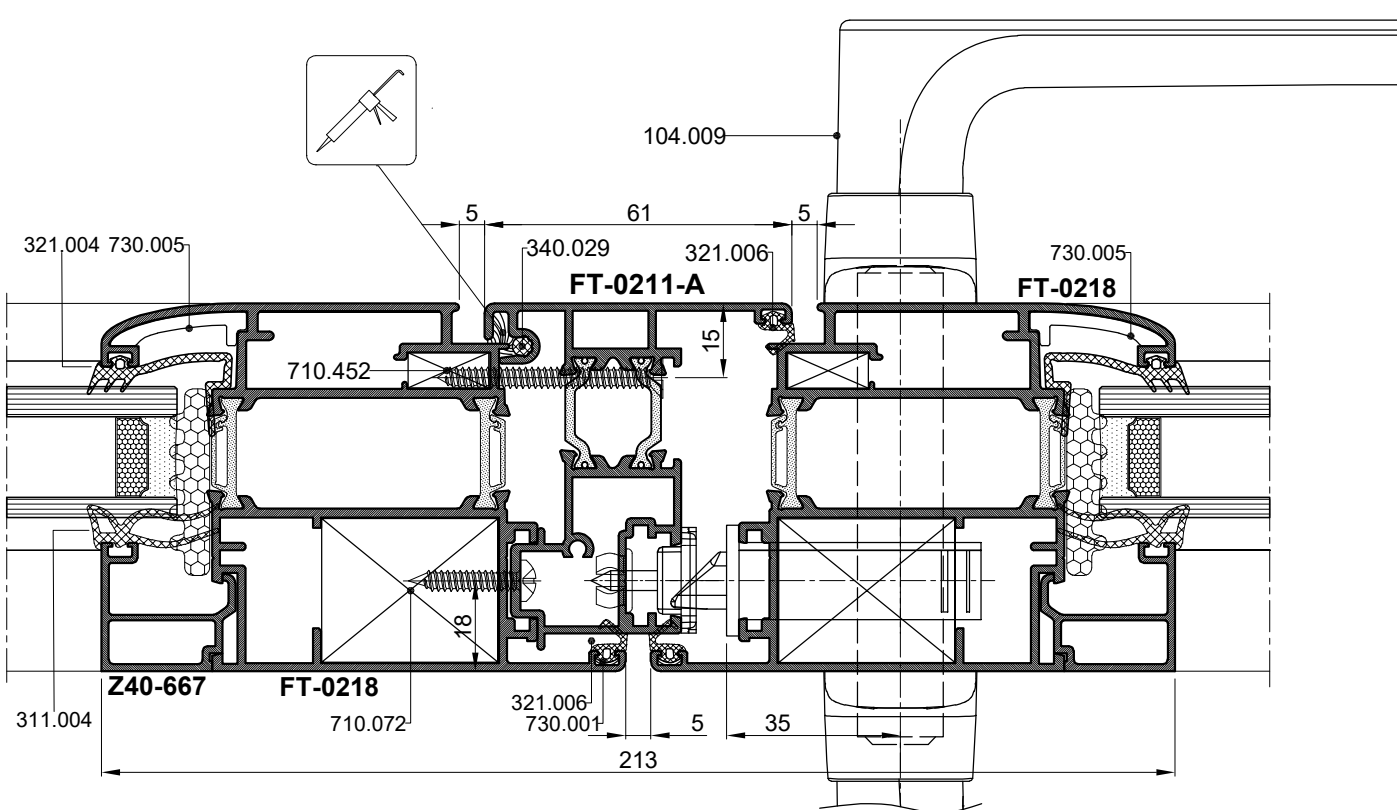
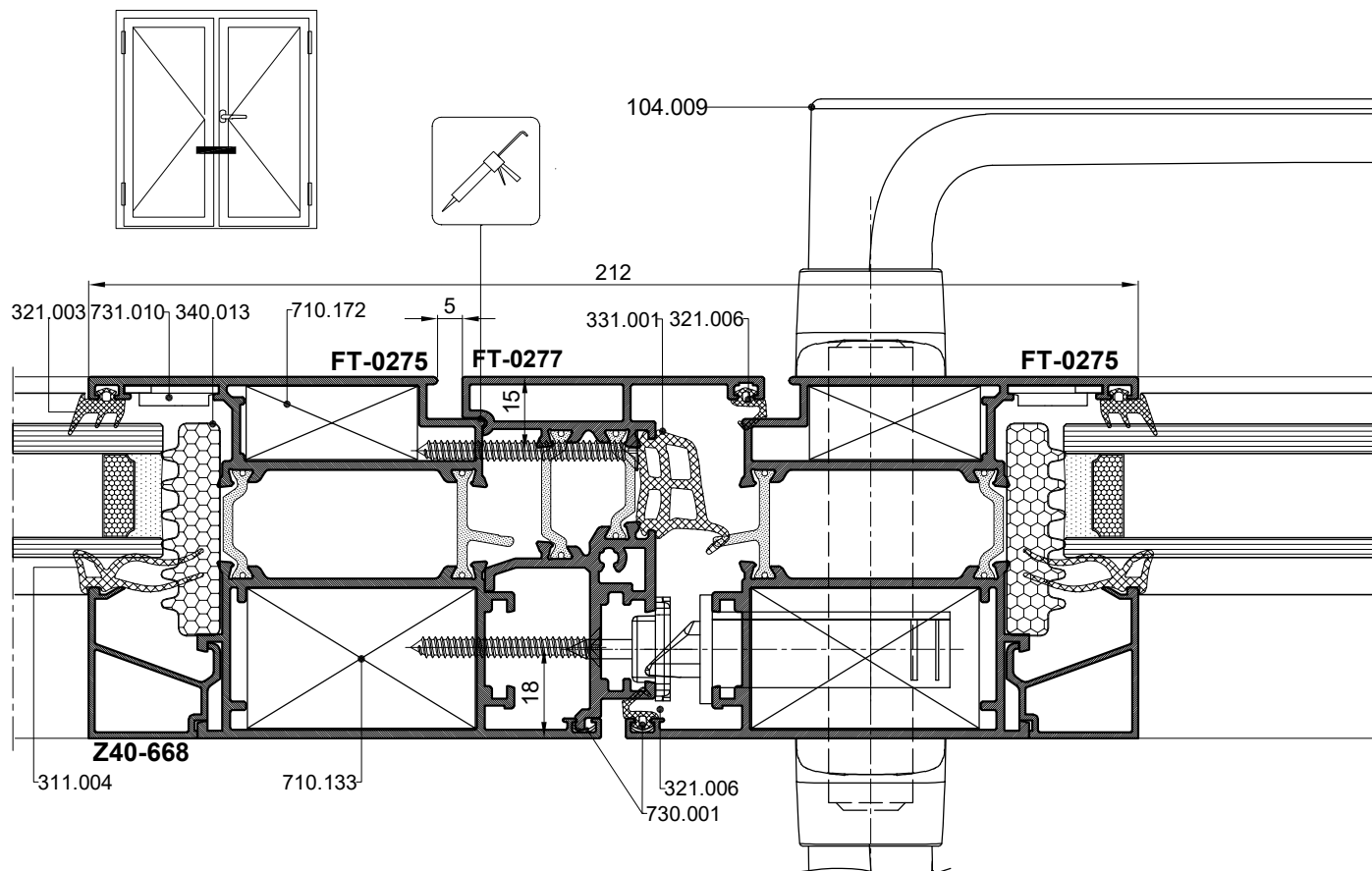






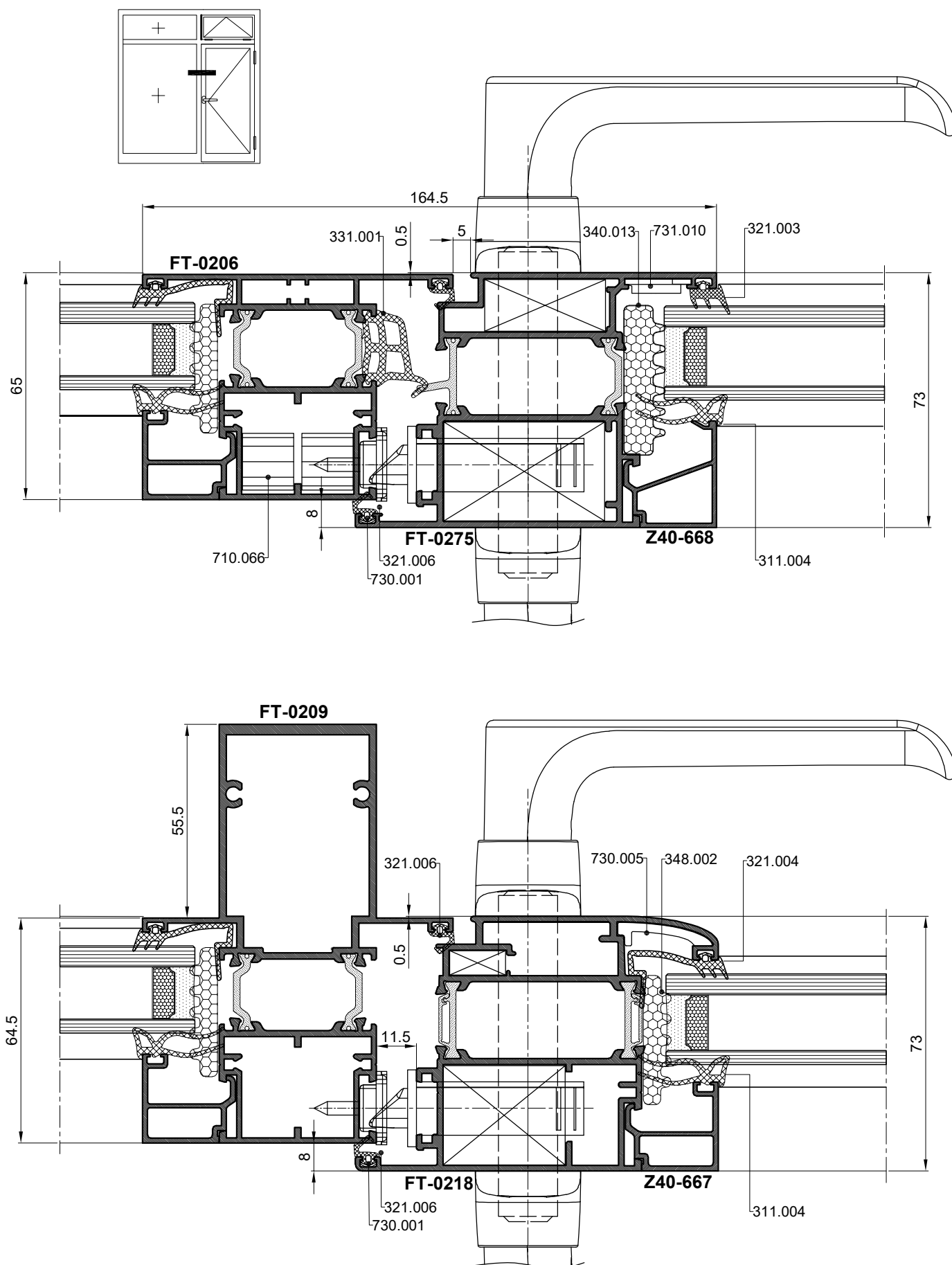




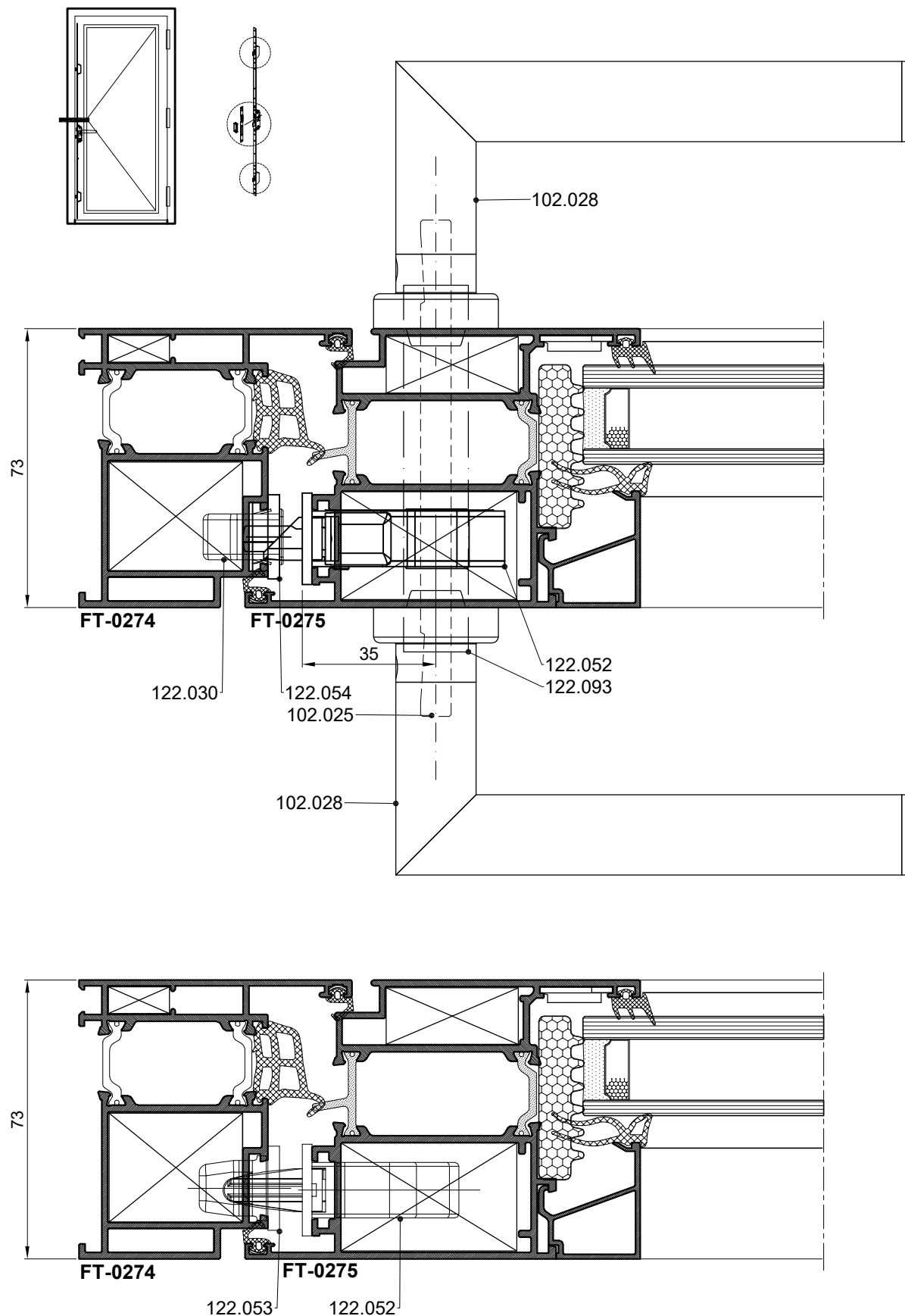


ljepilo za metal  
(npr. Teroson MS 939)  
metal glue  
(eg. Teroson MS 939)

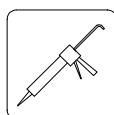
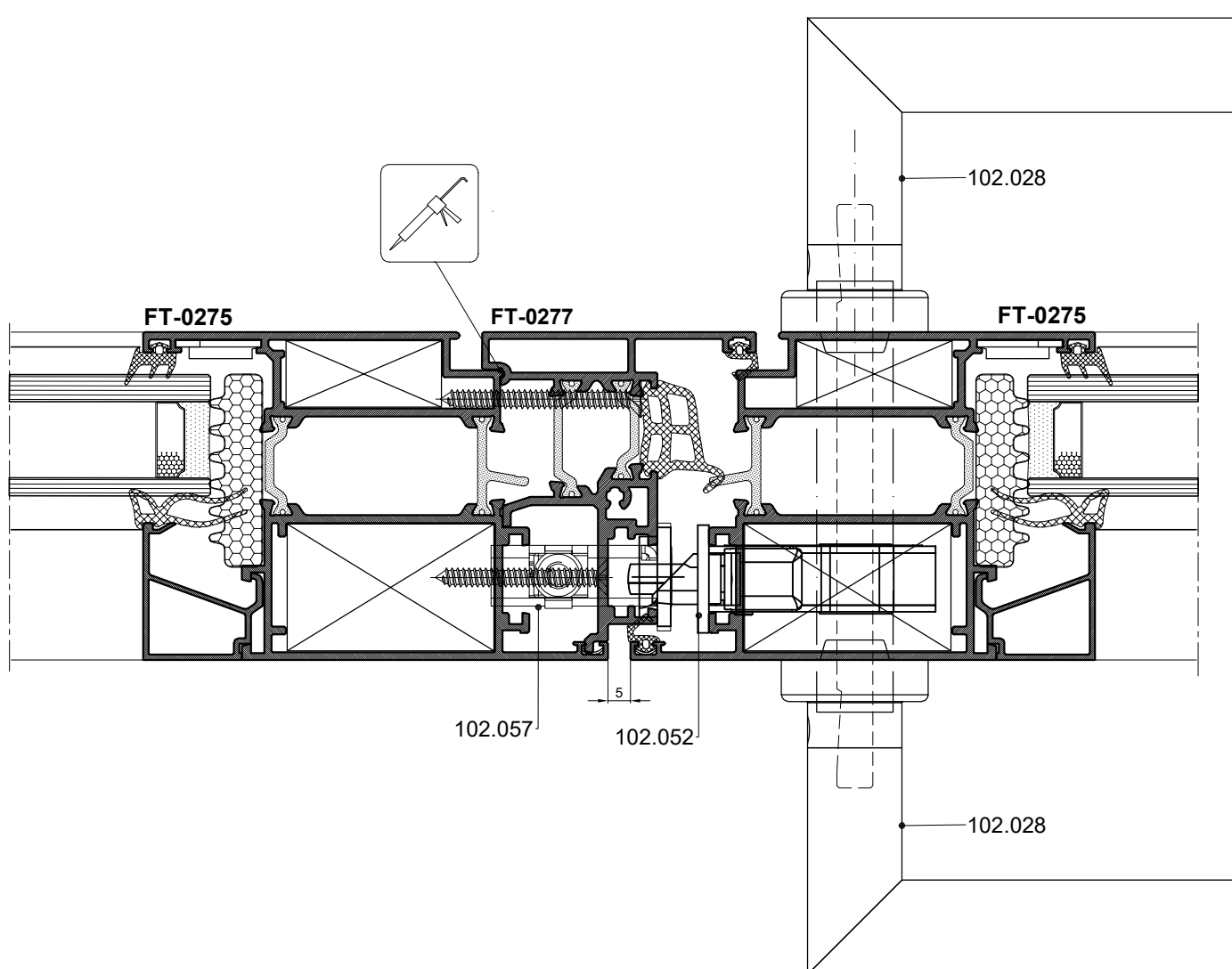
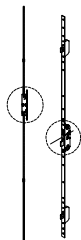
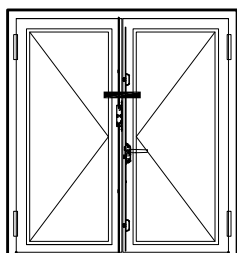




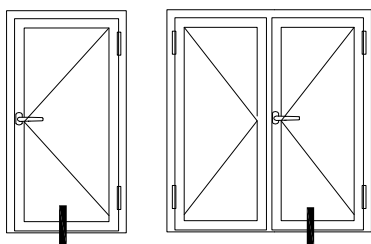
VRATA SA OBOSTRANOM OBLOGOM I SIG.BRAVOM 35 mm-MR2 (GU)  
DOOR WITH BOTH SIDES AND SIG.LOCK 35 mm-MR2 (GU)



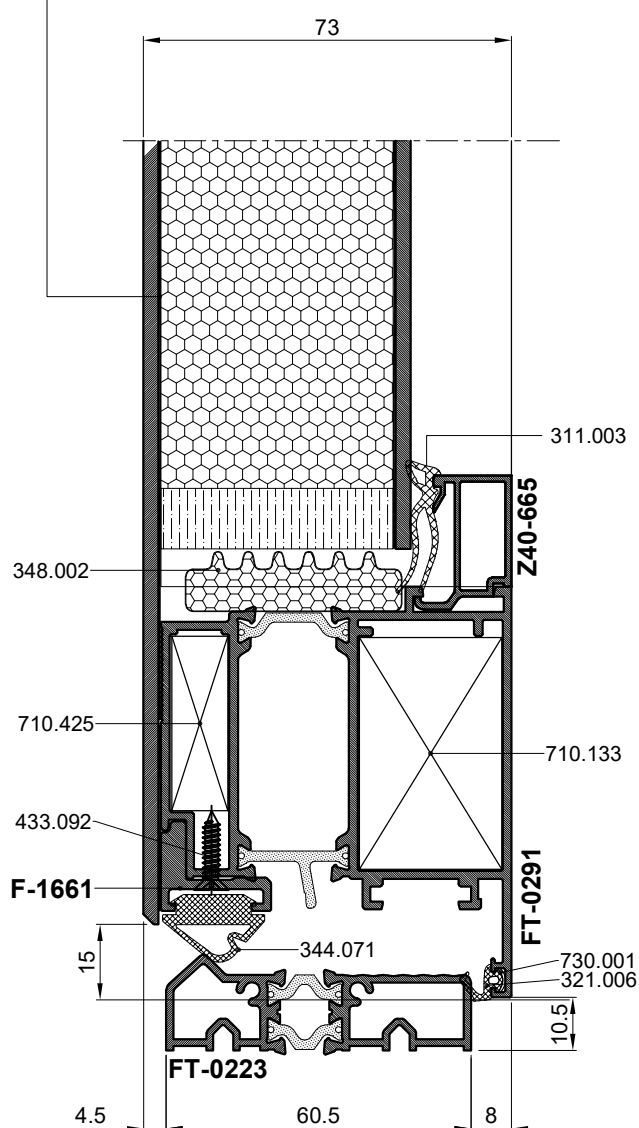
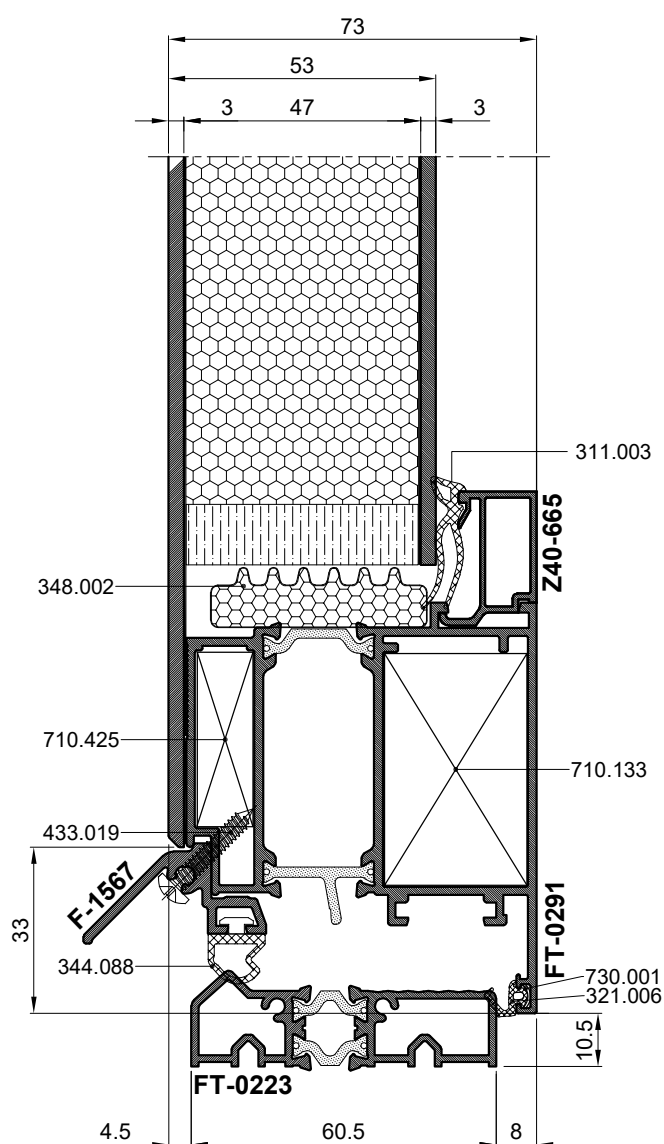
VRATA SA OBOSTRANOM OBLOGOM I SIG.BRAVOM 35 mm-MR2 (GU)  
DOOR WITH BOTH SIDES AND SIG.LOCK 35 mm-MR2 (GU)

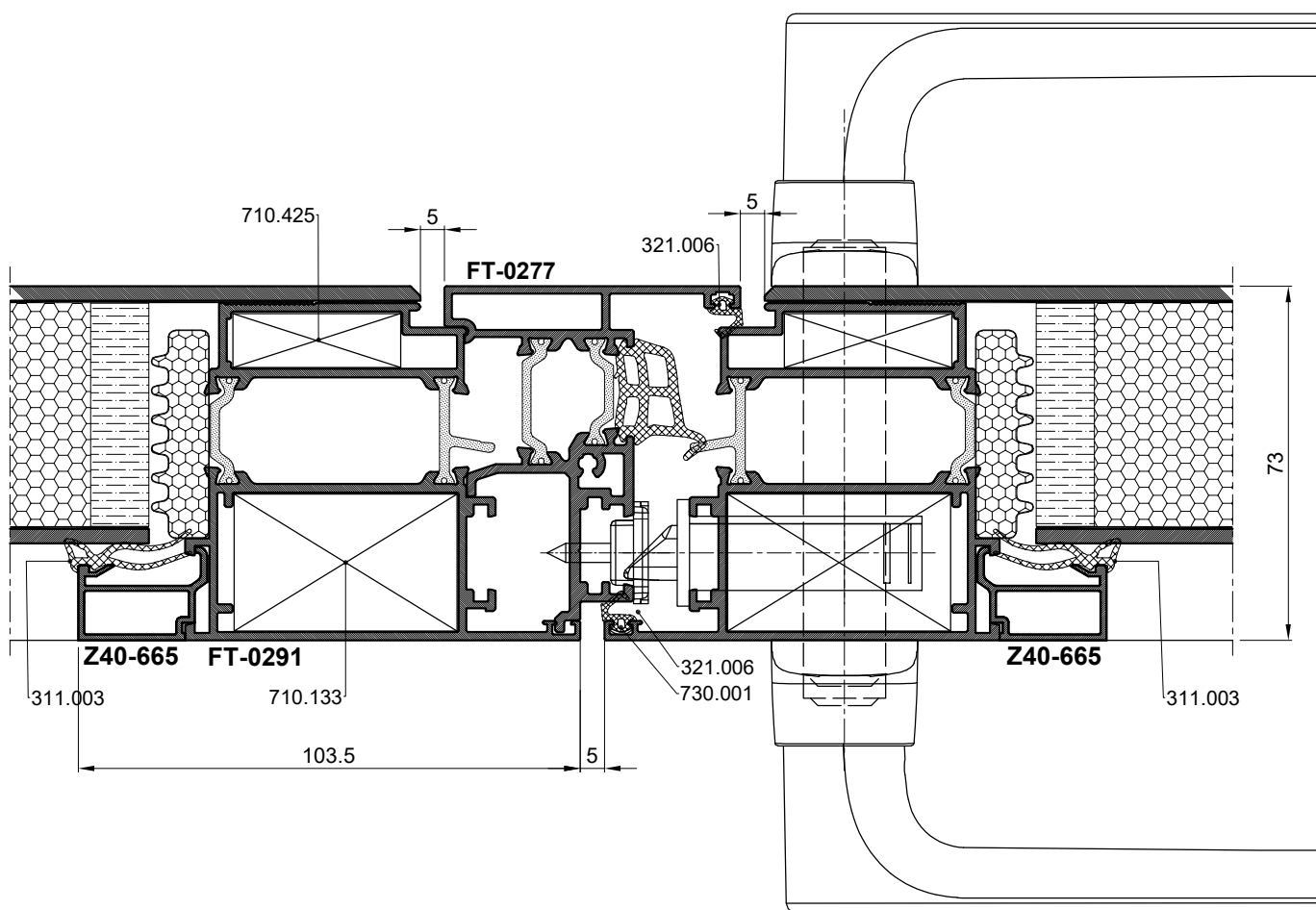
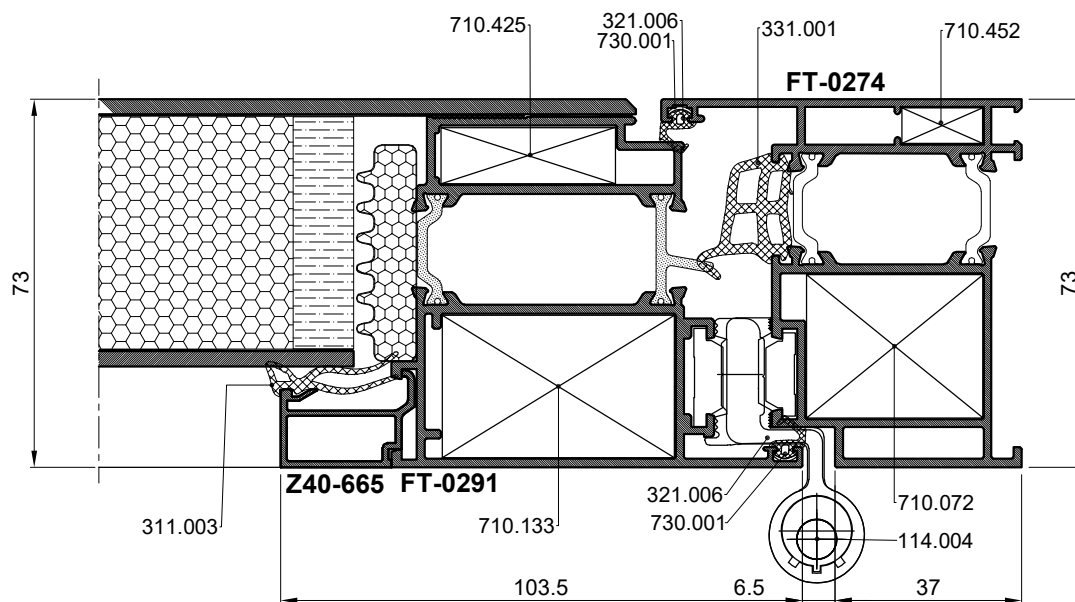
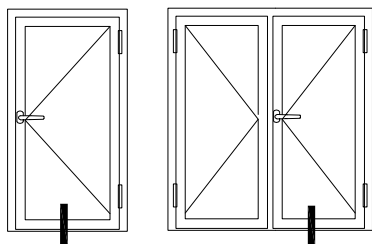


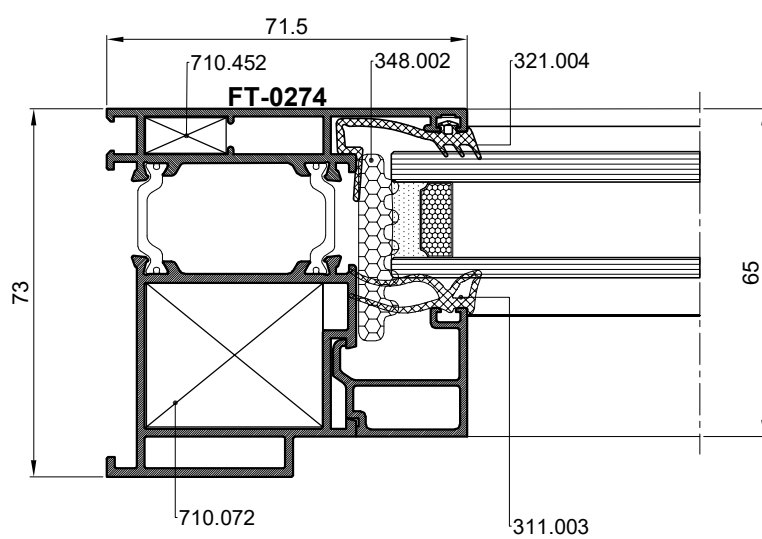
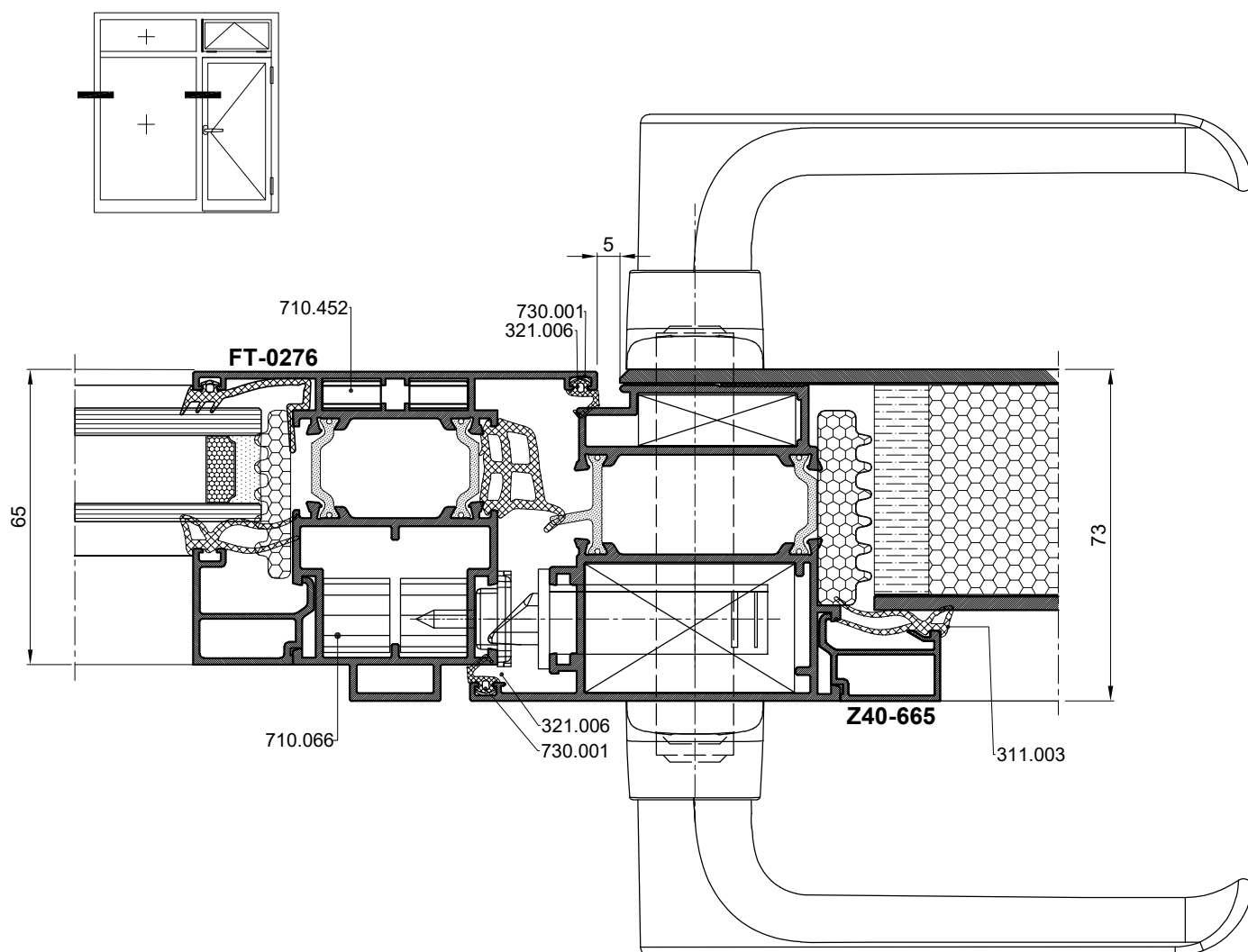
ljepilo za metal  
(npr. Teroson MS 939)  
metal glue  
(eg. Teroson MS 939)

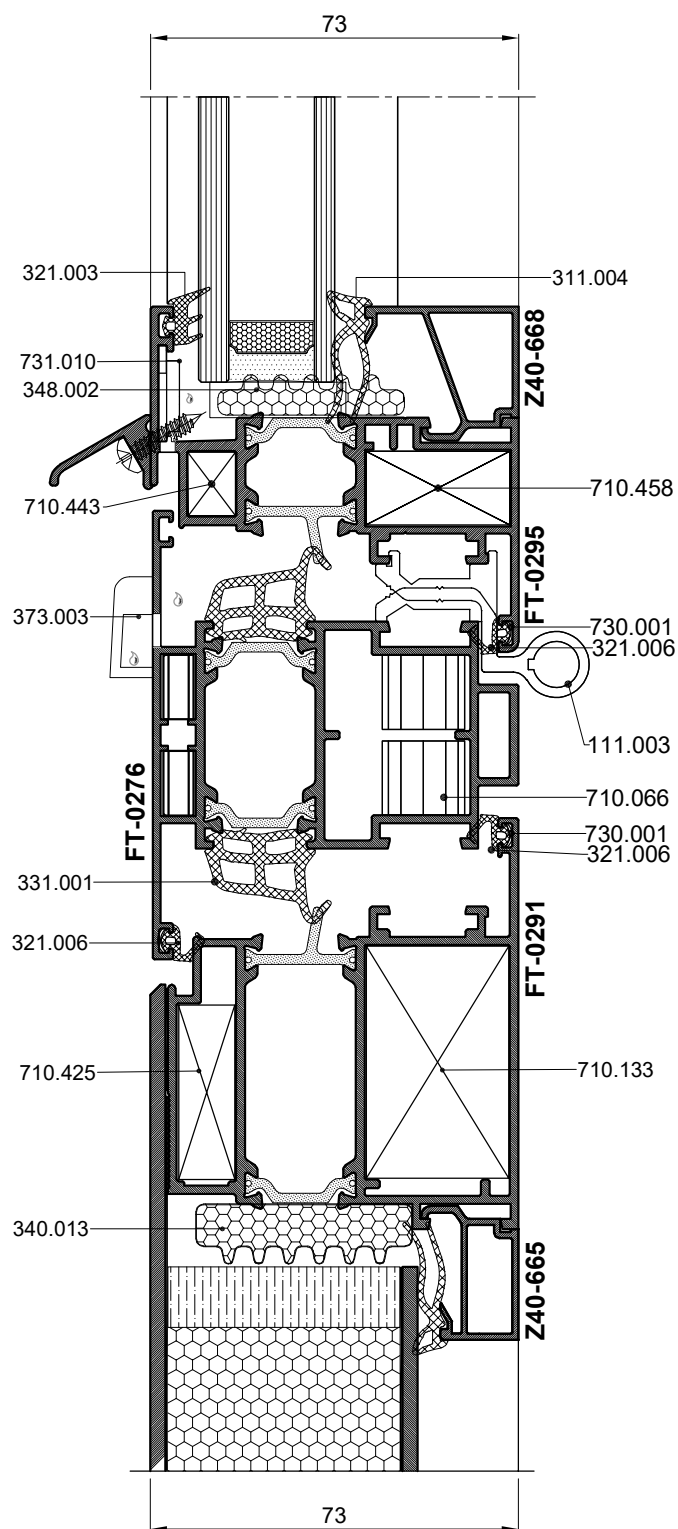
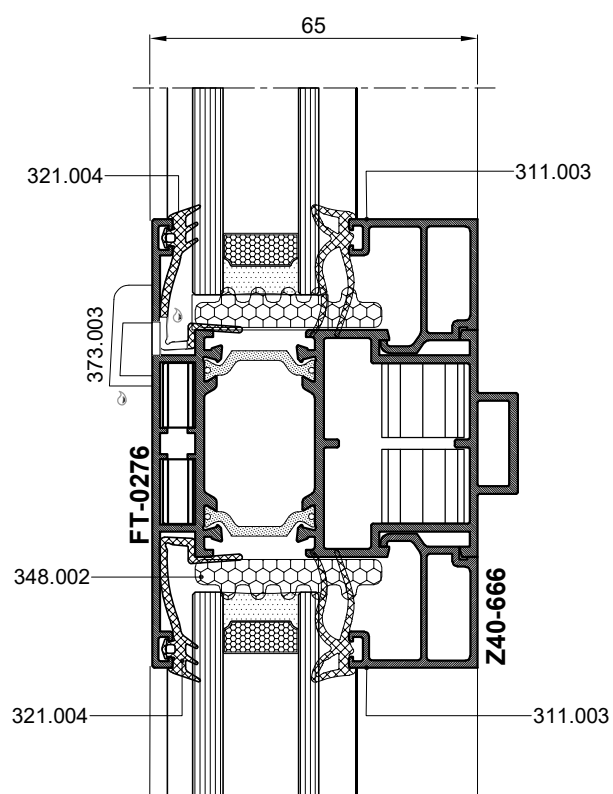
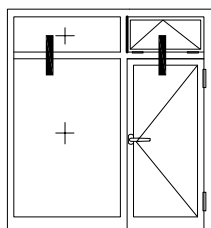


Terostat T-8519-primer-414.001  
 Terostat MS 9399 (Loctite)-ljepilo-414.002  
 Terostat T-8519P-primer-414.001  
 Terostat MS 9399 (Loctite)-adhesive-414.002

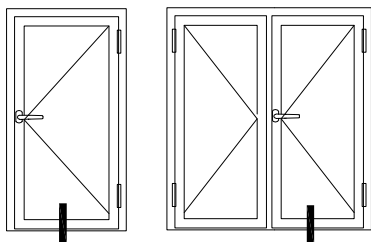






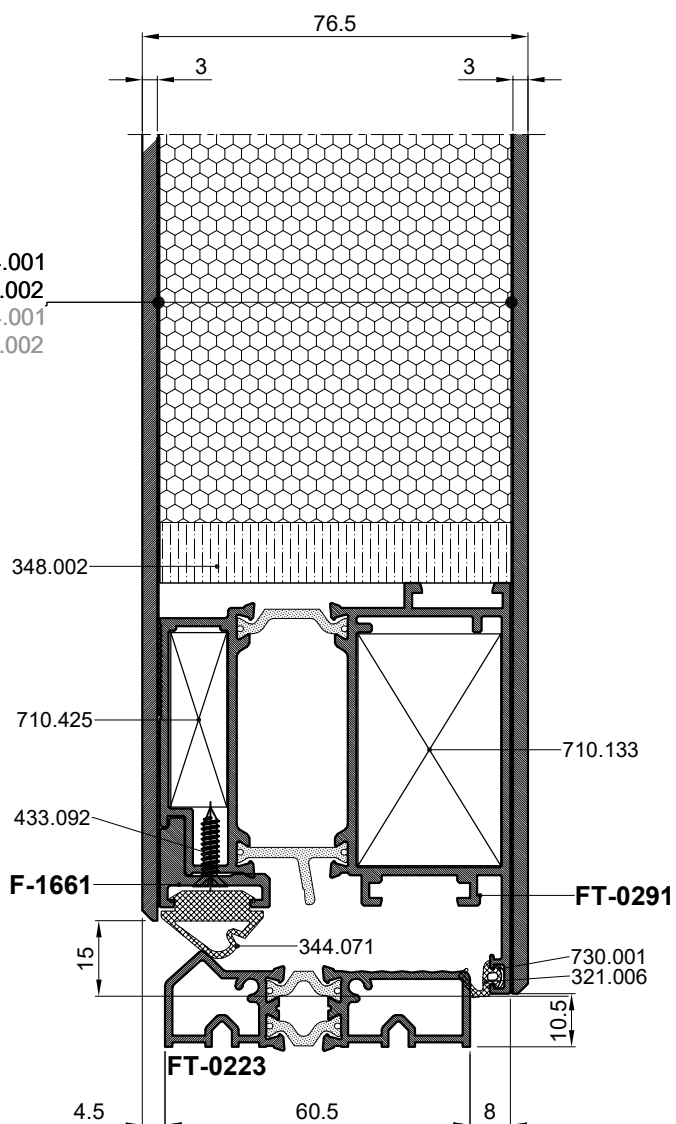




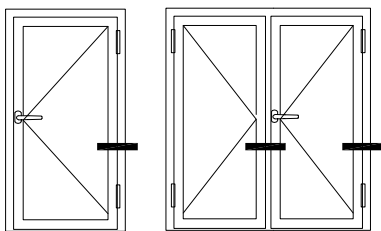


VRATA SA OBOSTRANOM OBLOGOM  
DOOR WITH DOUBLE-SIDED LINING

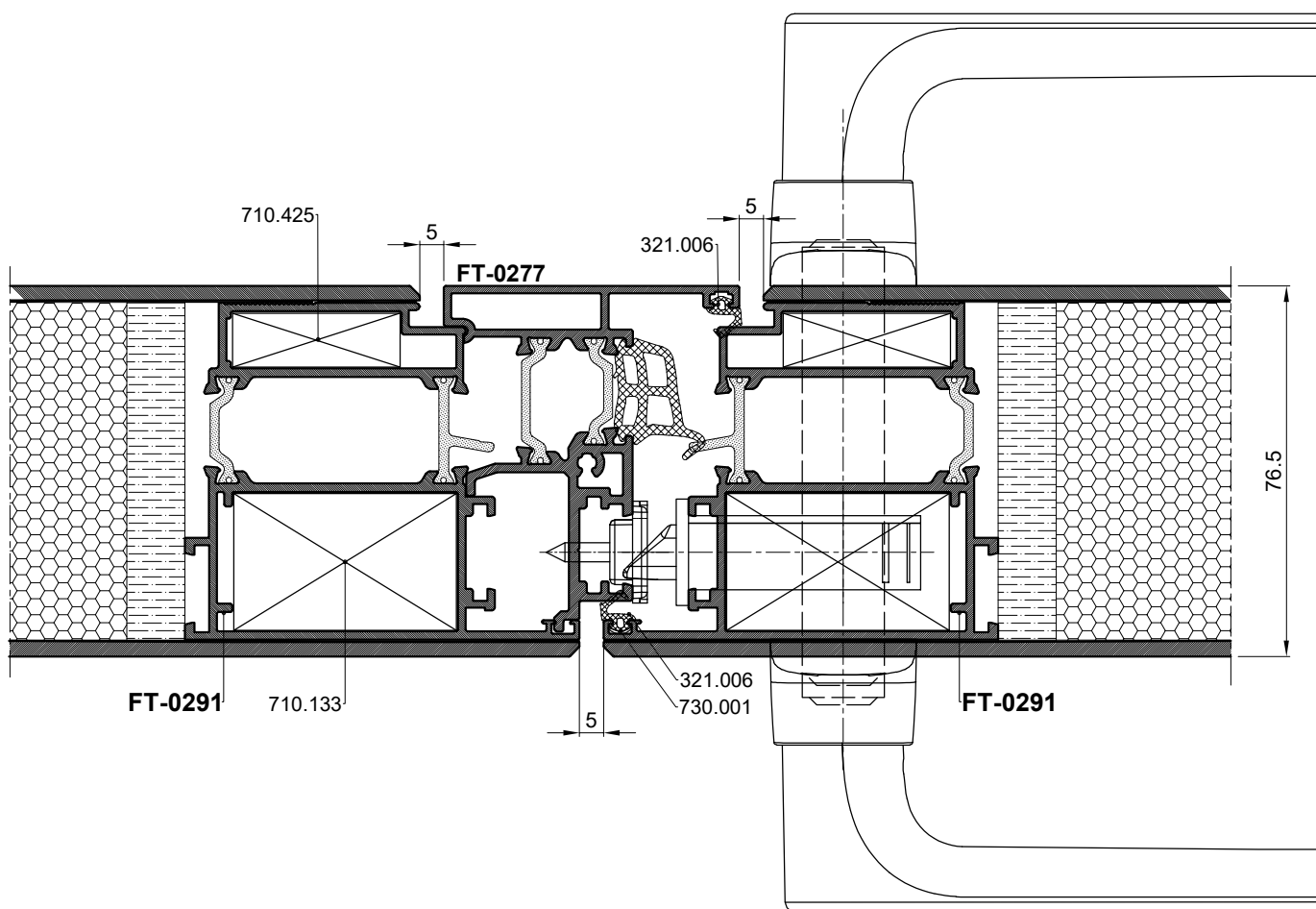
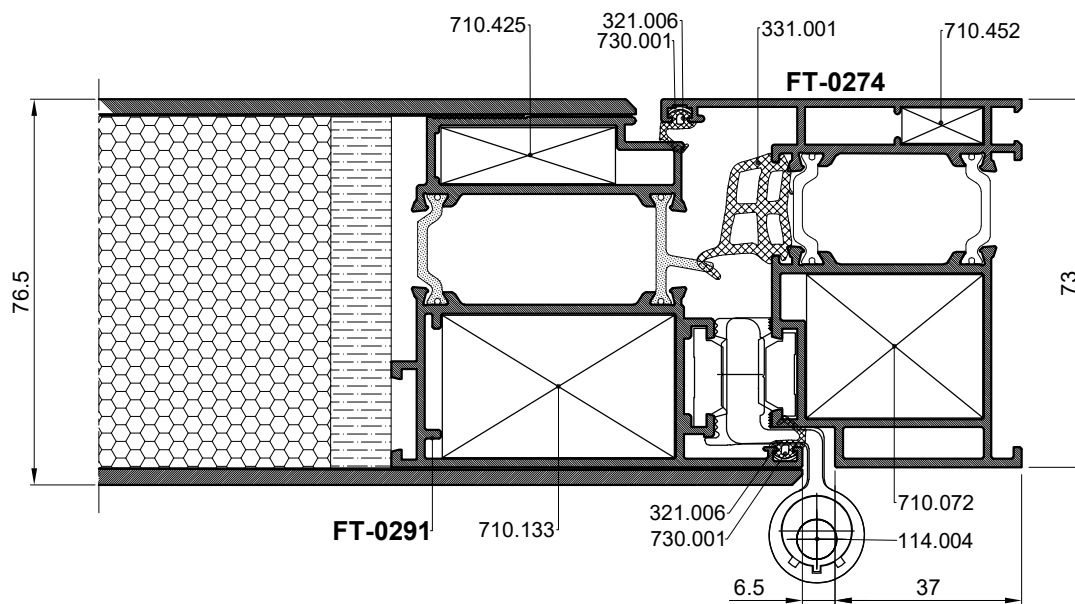
Terostat T-8519-primer-414.001  
Terostat MS 9399 (Loctite)-ljepilo-414.002  
Terostat T-8519P-primer-414.001  
Terostat MS 9399 (Loctite)-adhesive-414.002



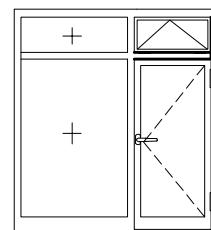
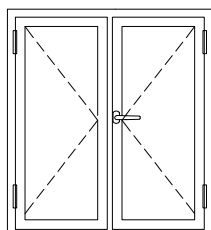
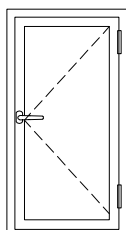




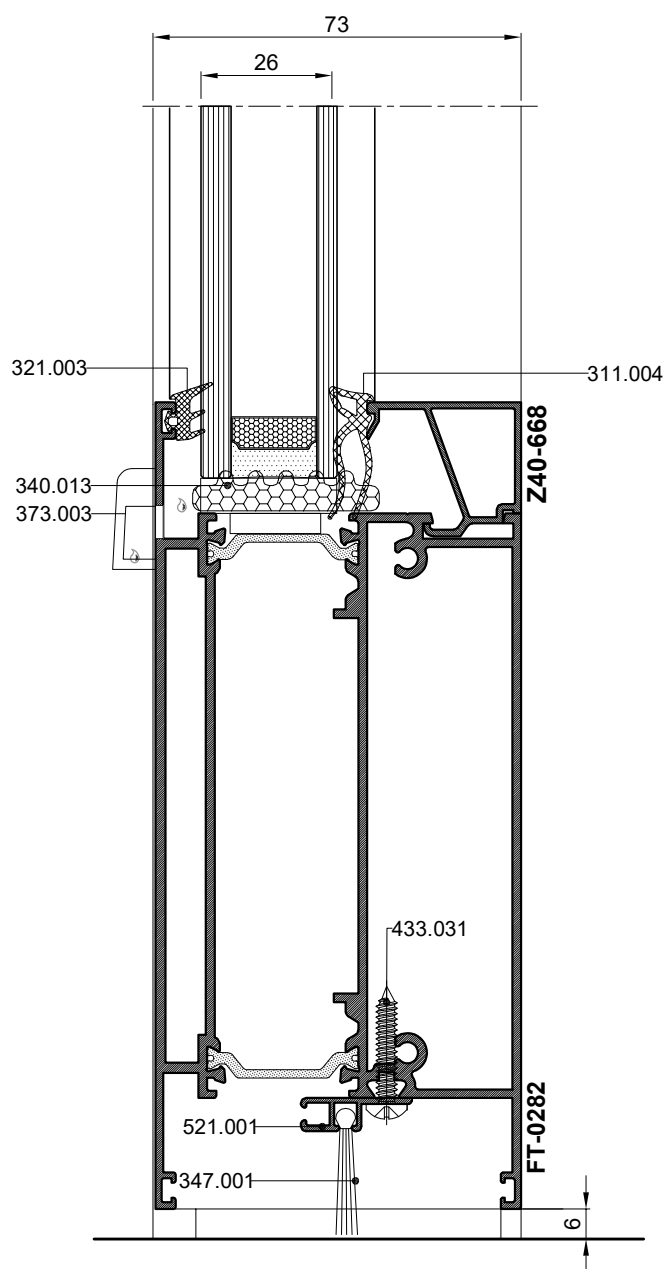
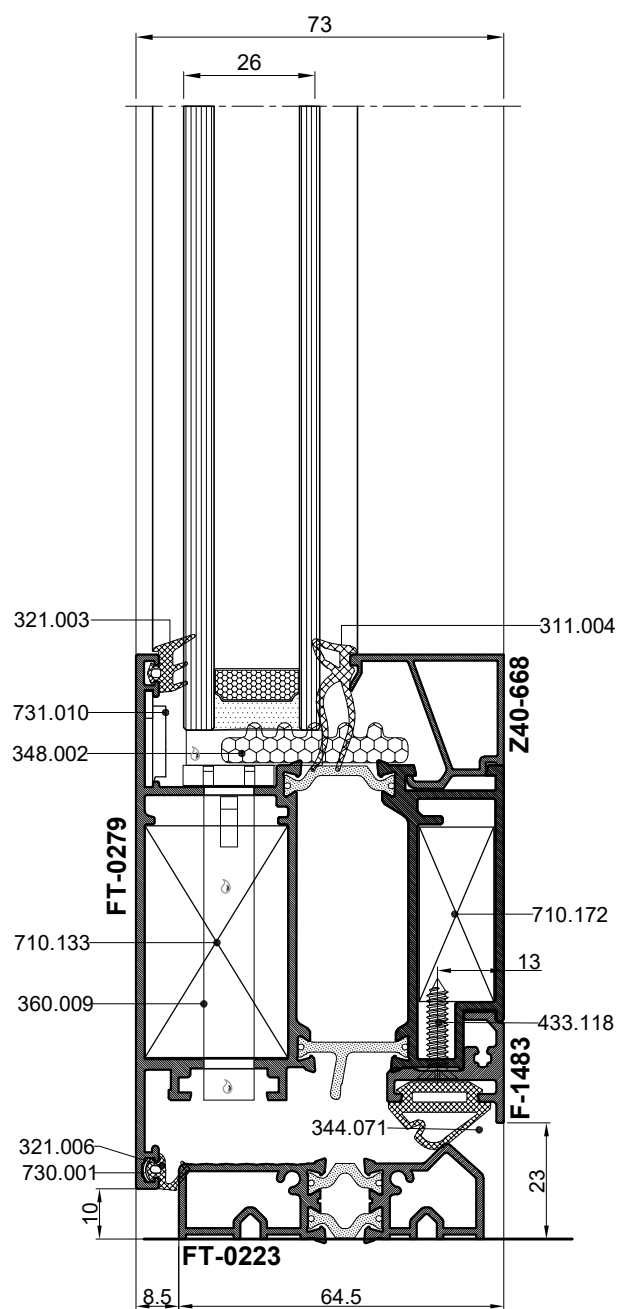
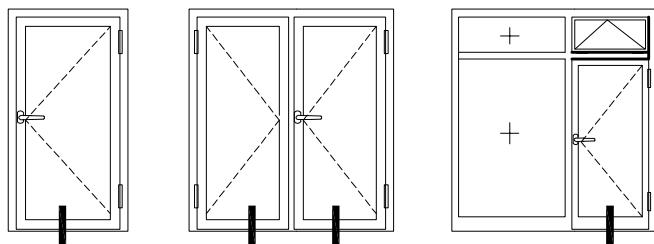
VRATA SA OBOSTRANOM OBLOGOM  
DOOR WITH DOUBLE-SIDED LINING

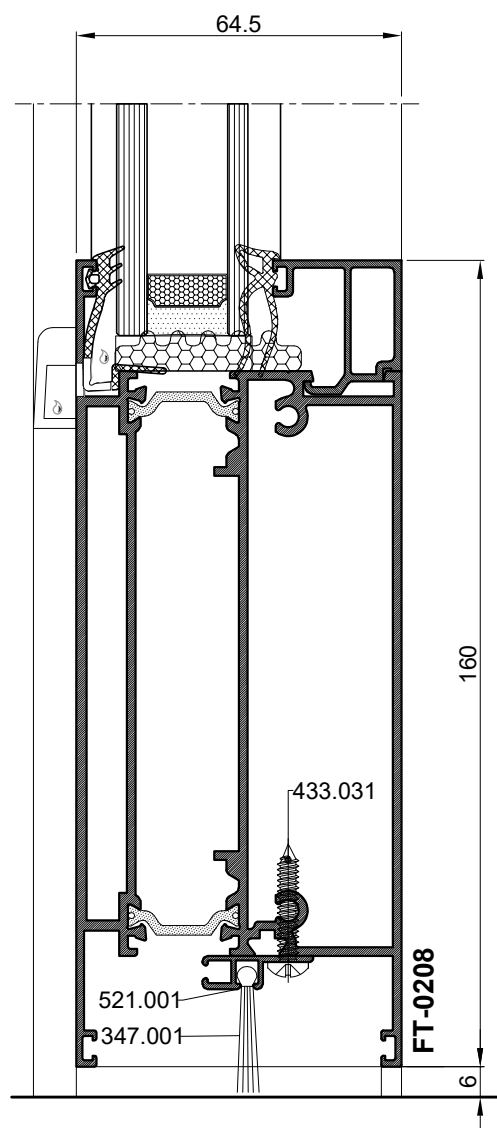
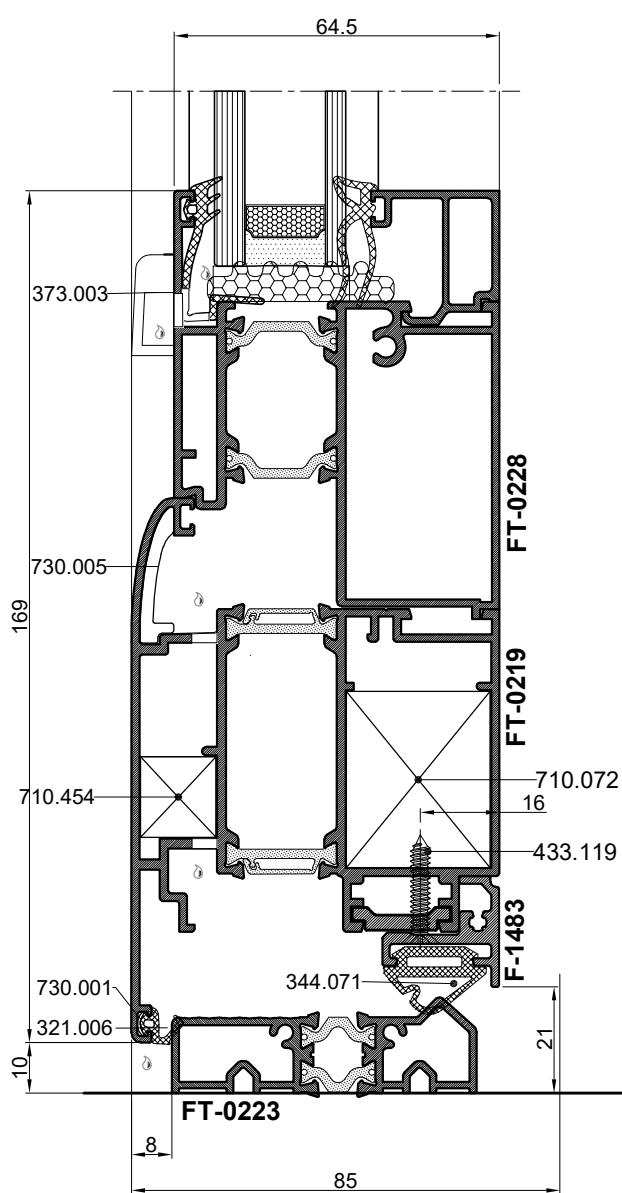
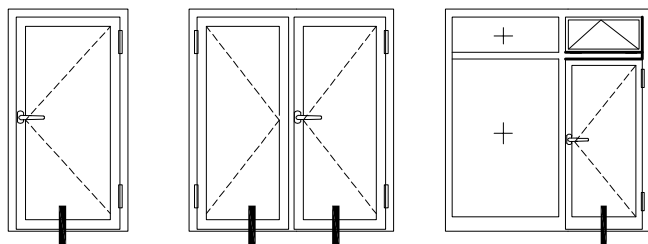


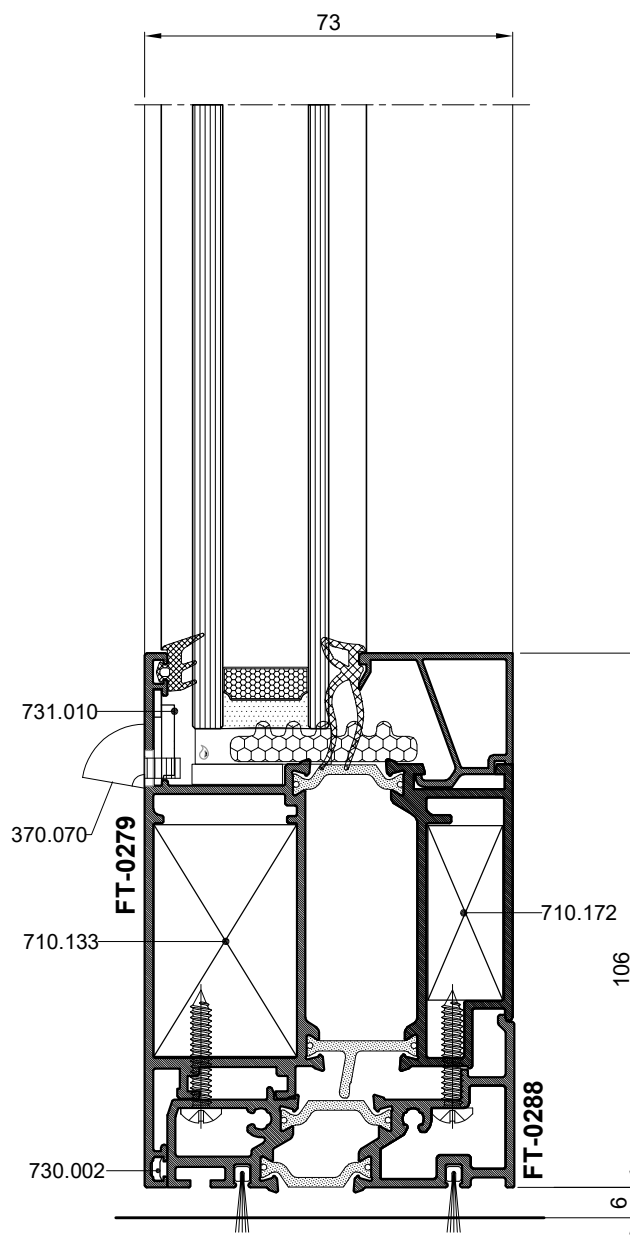
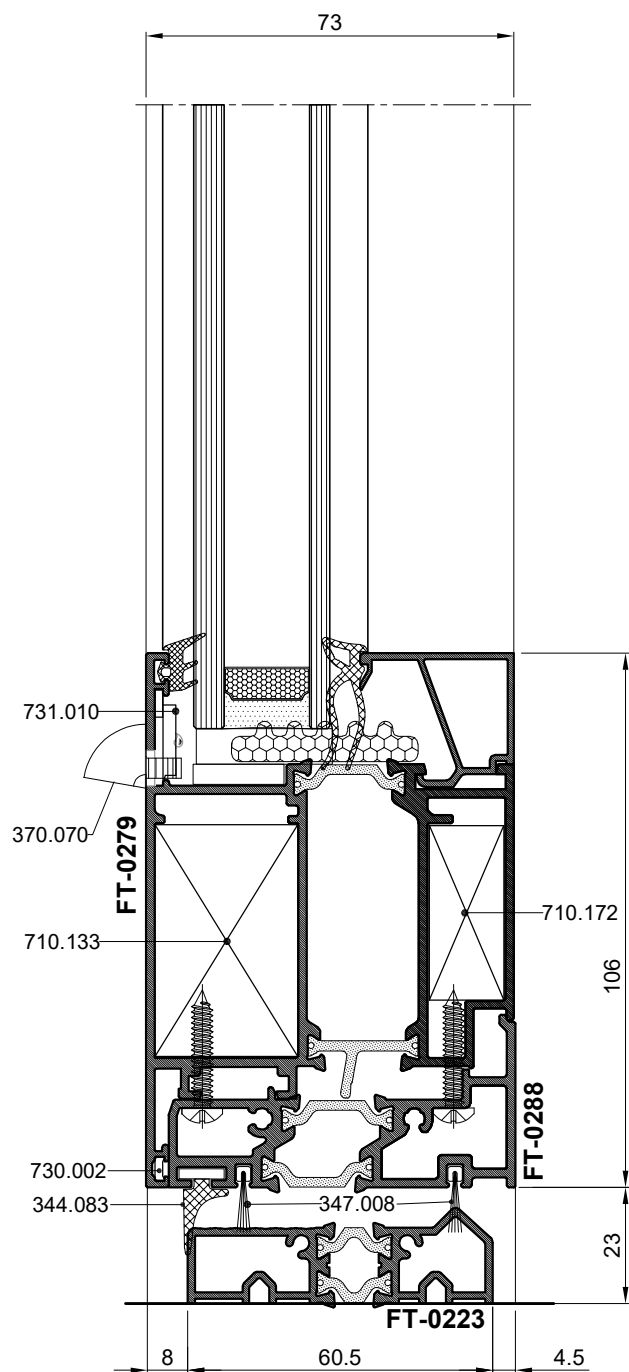
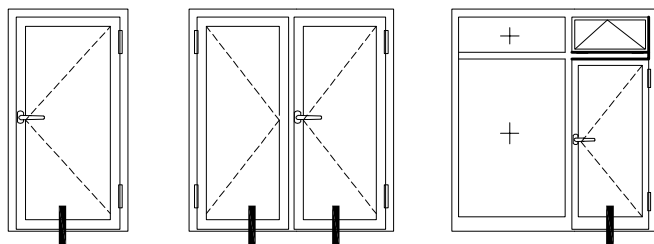


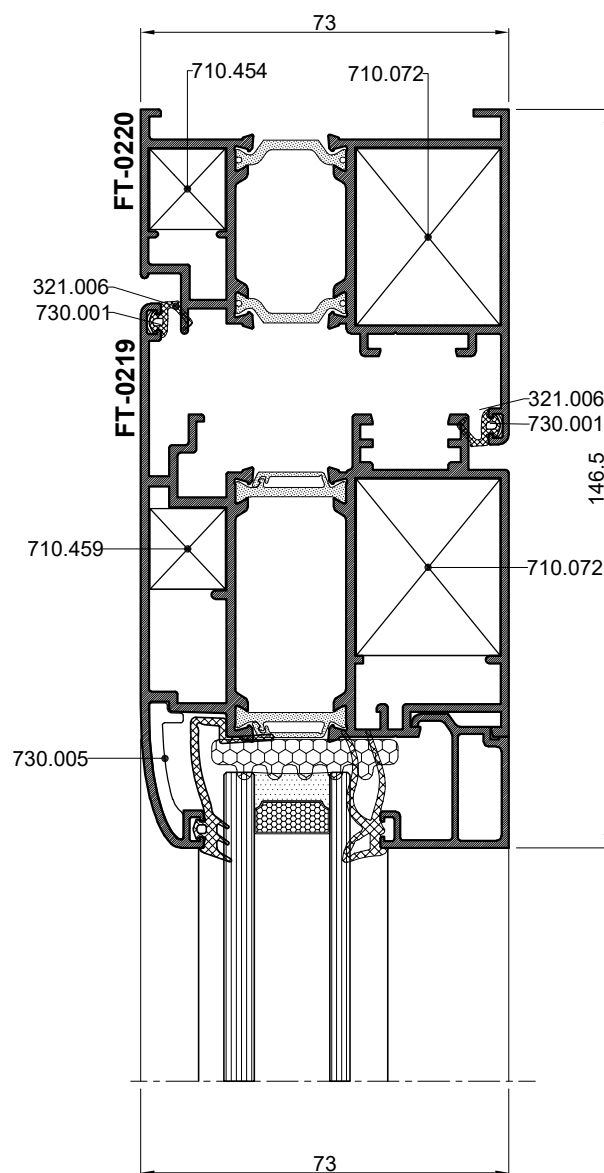
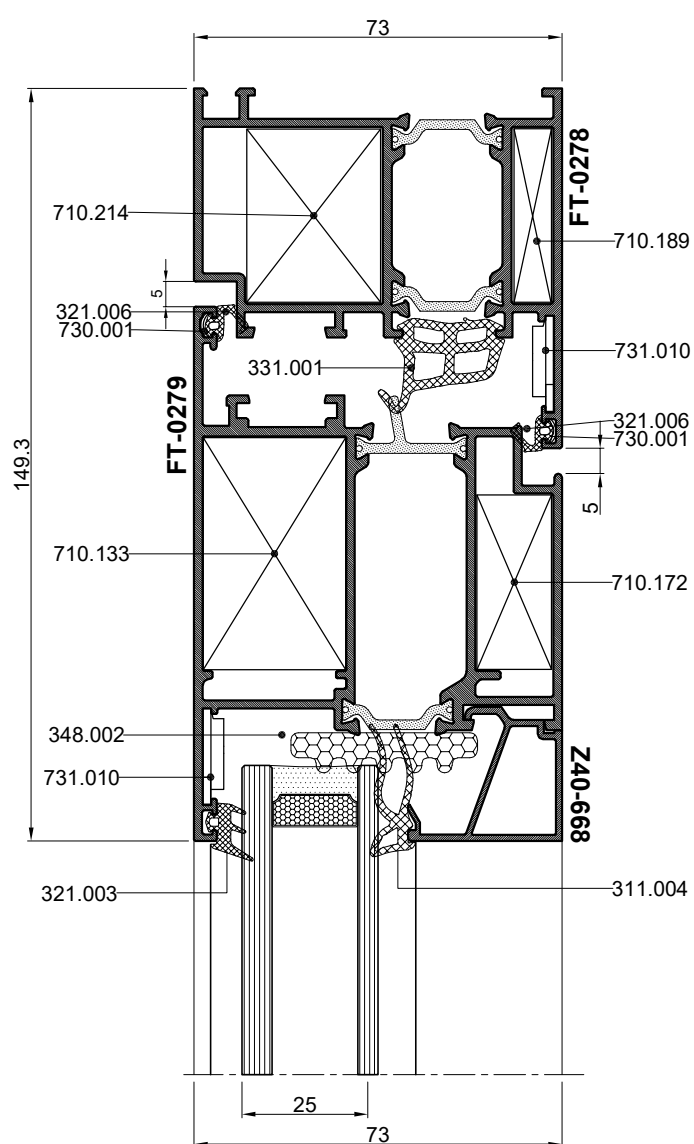
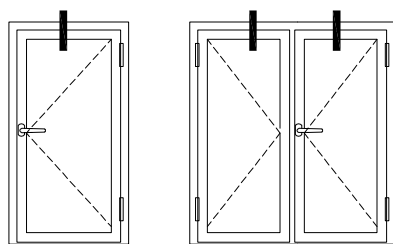




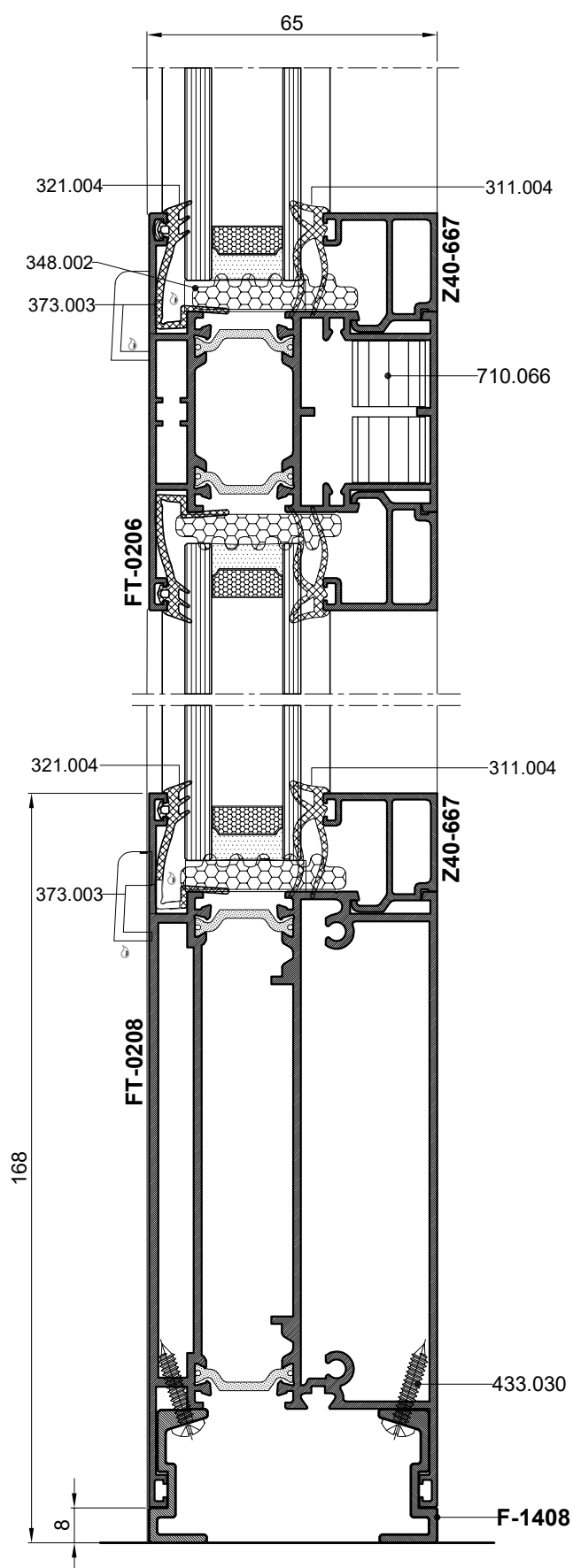
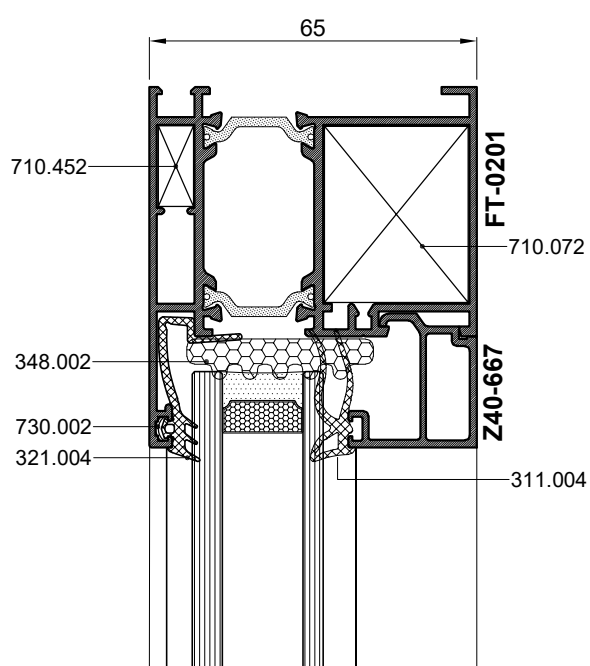
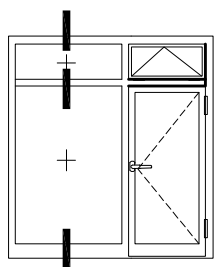


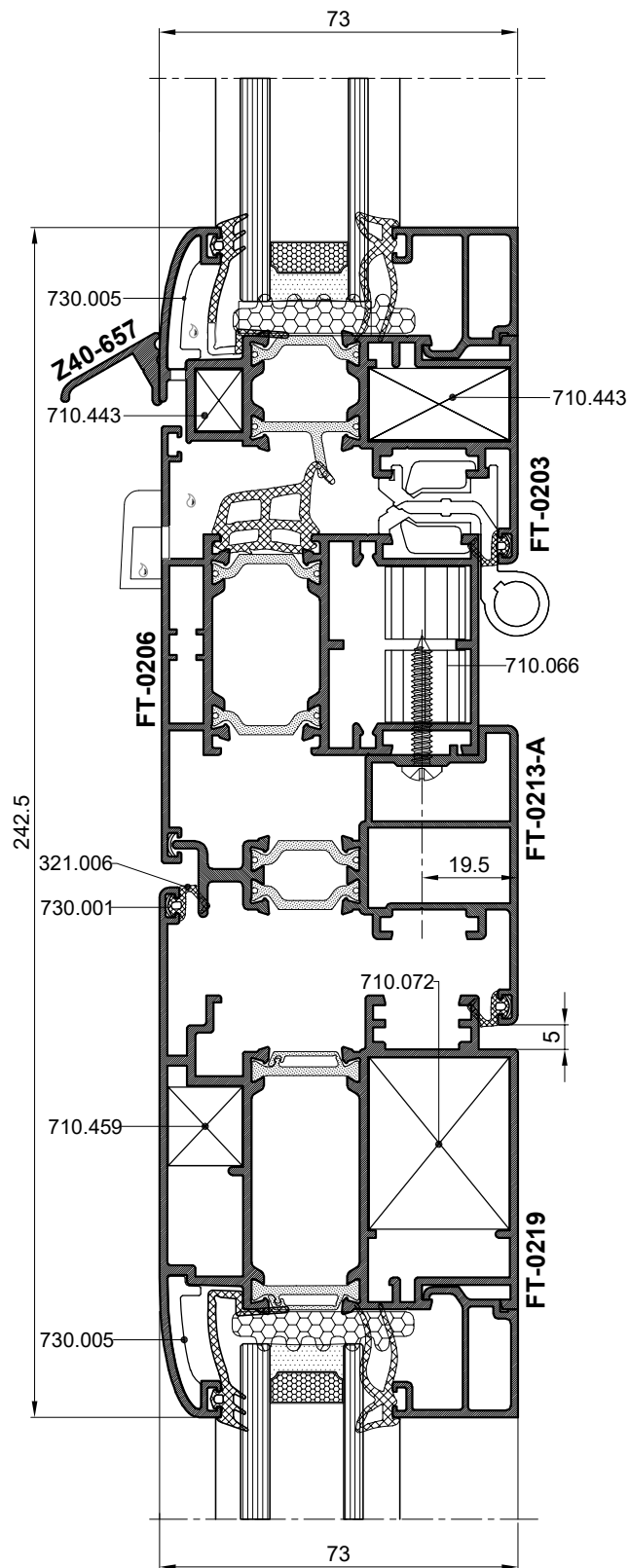
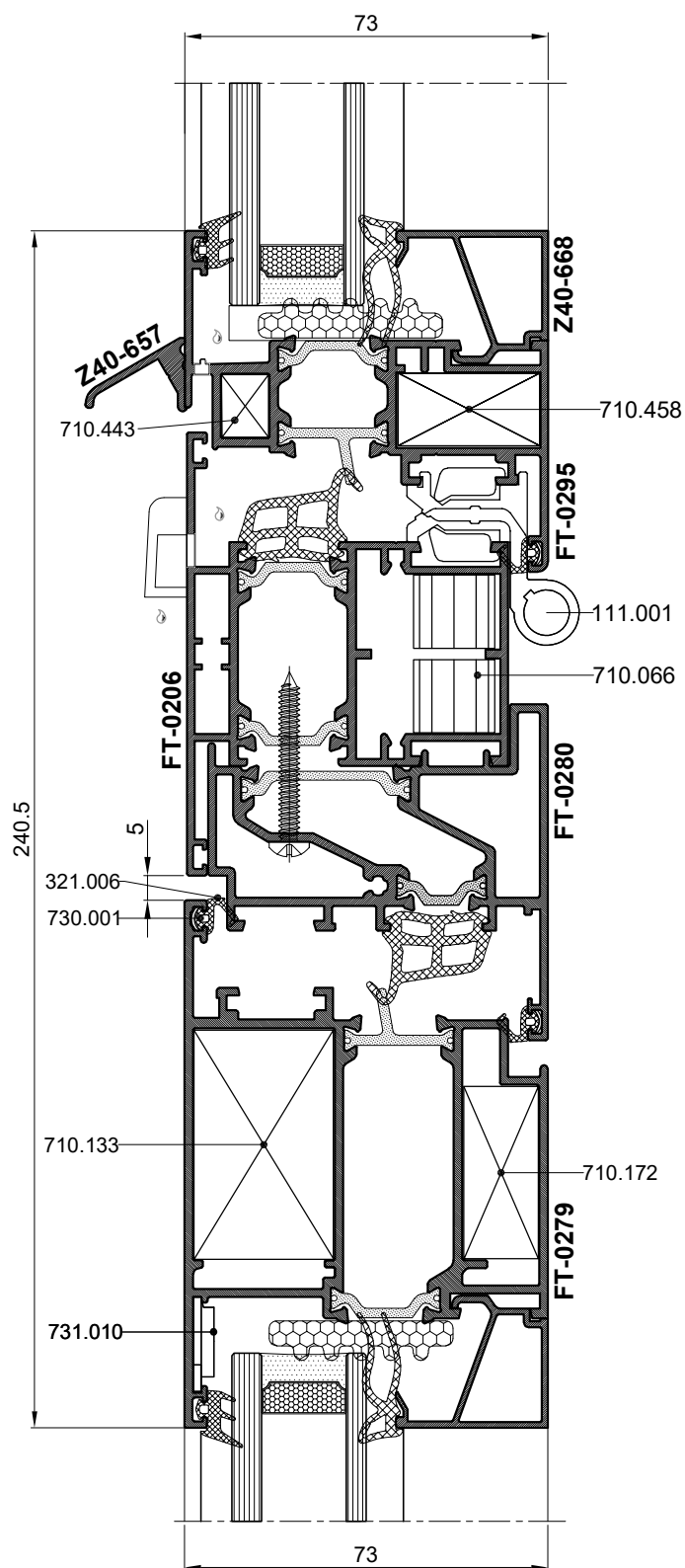
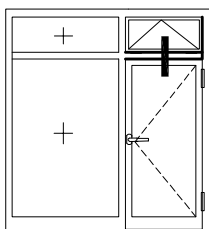


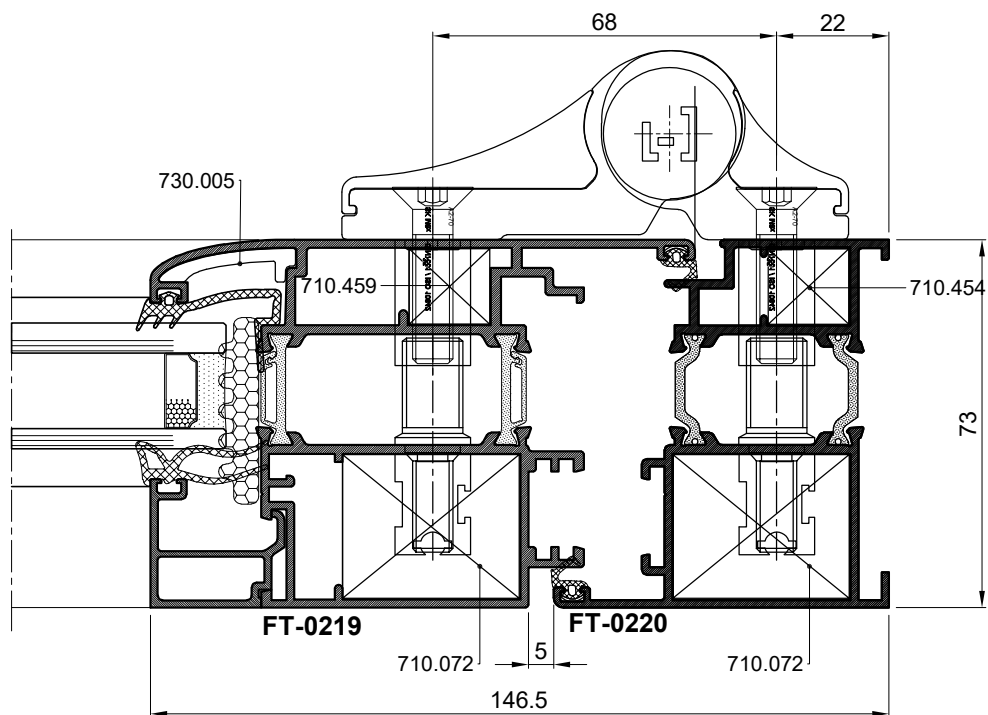
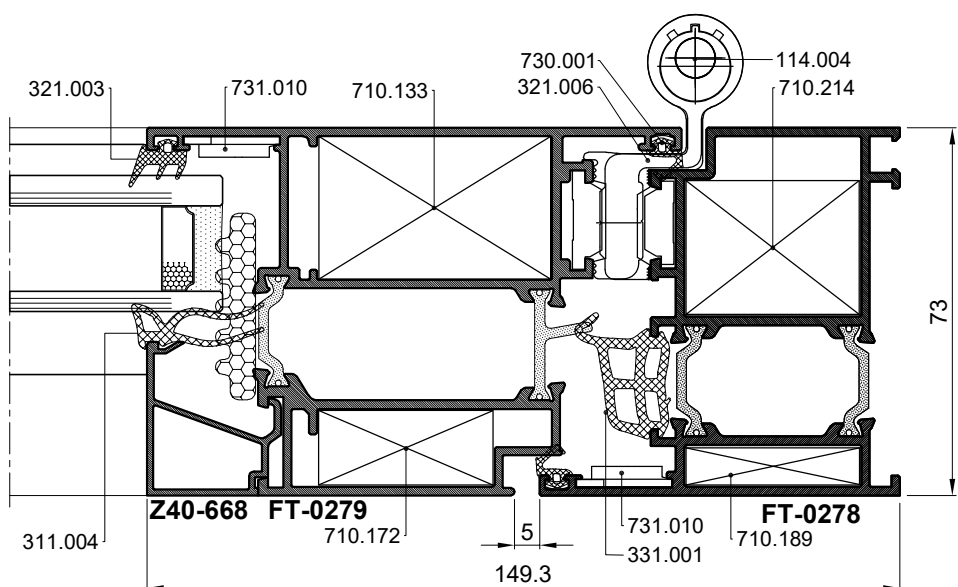
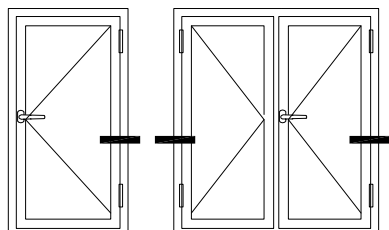


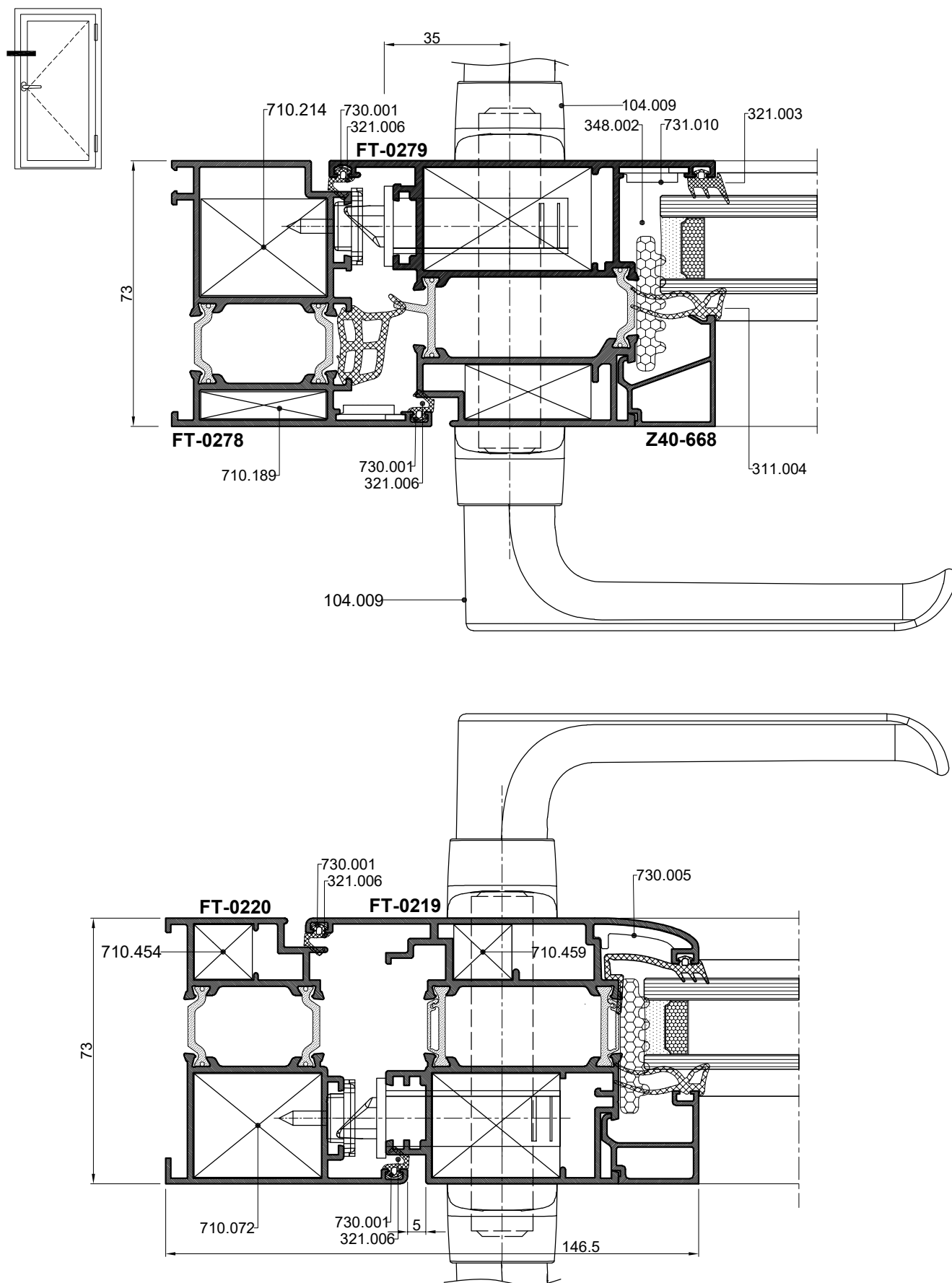


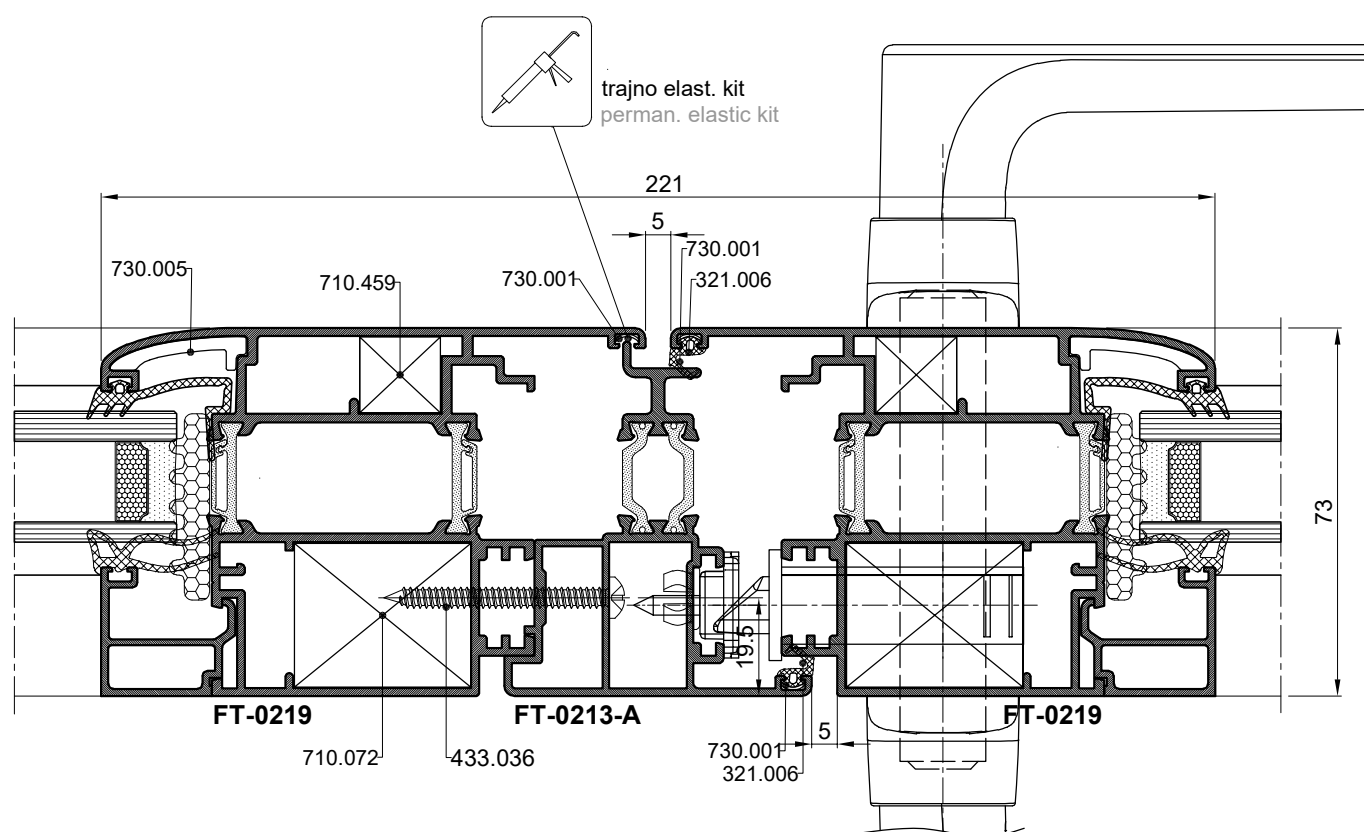
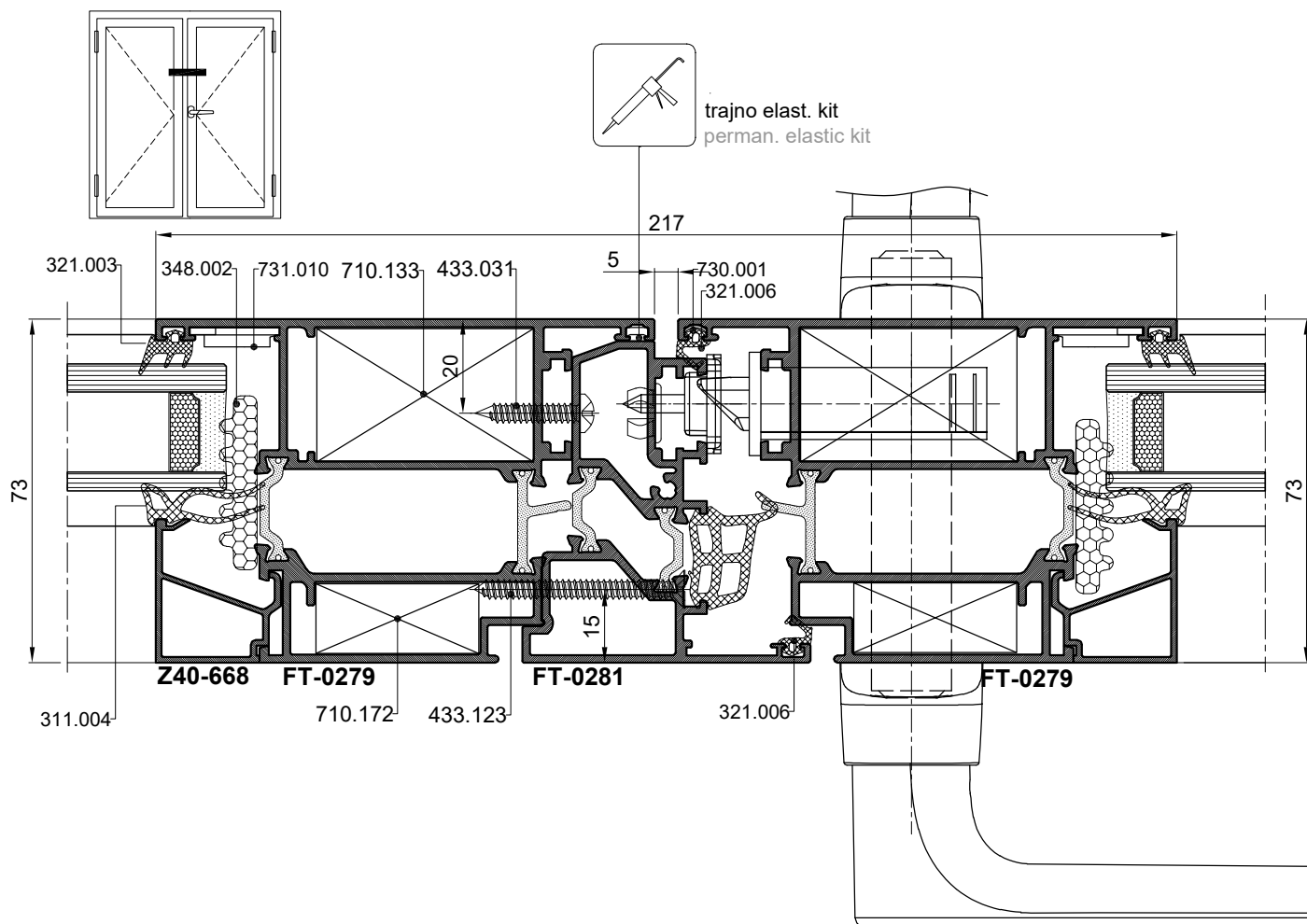


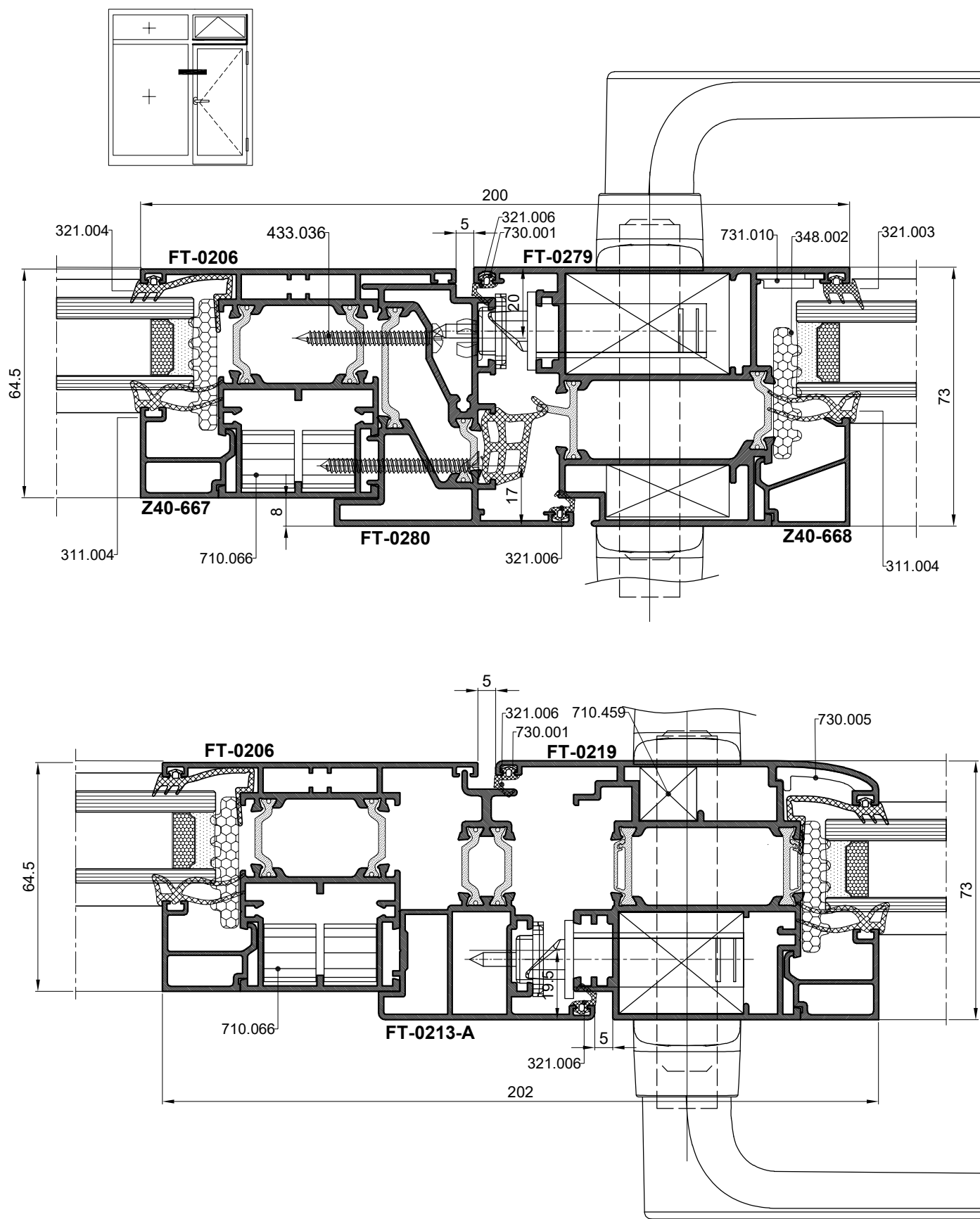




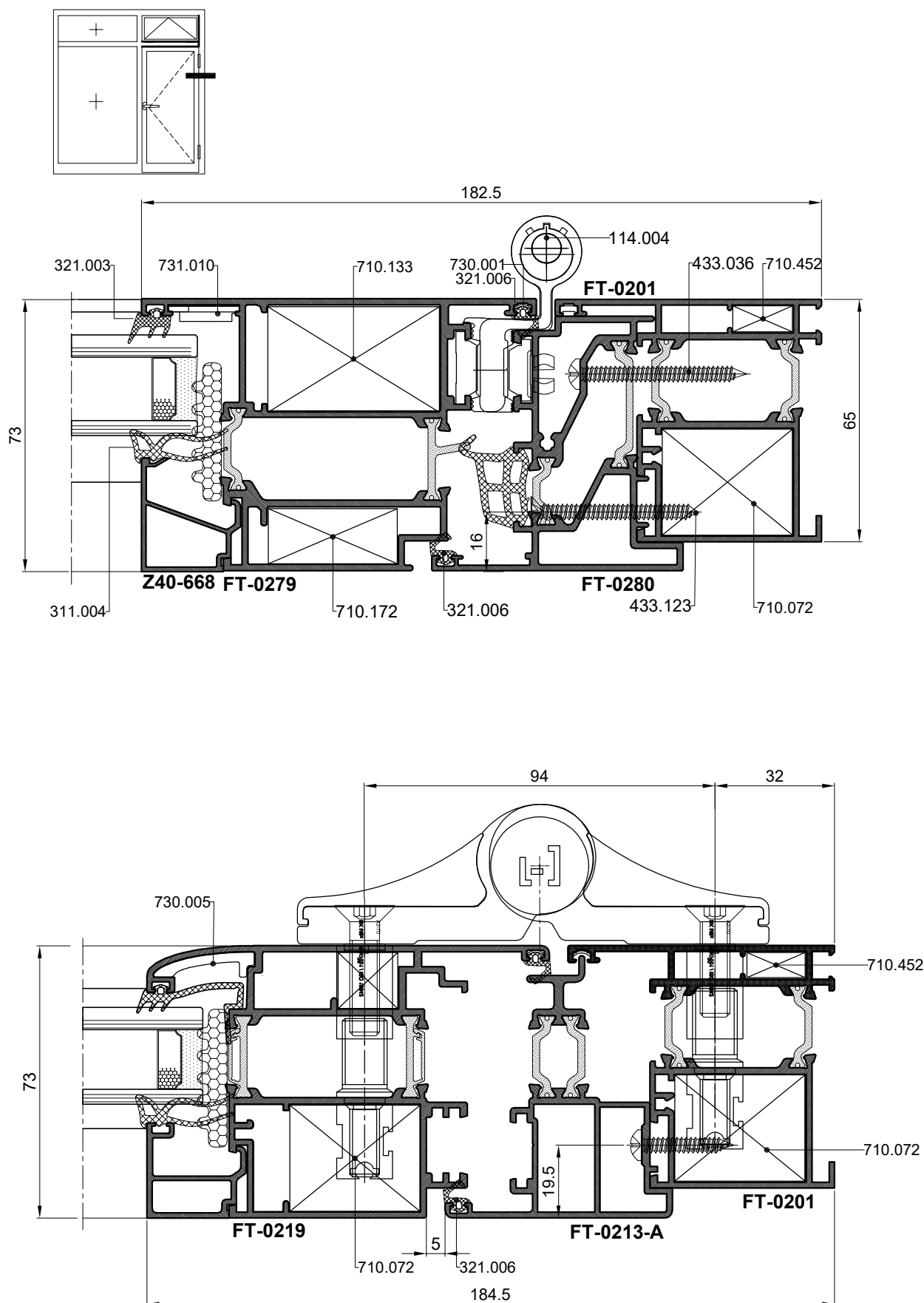




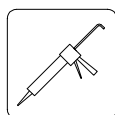
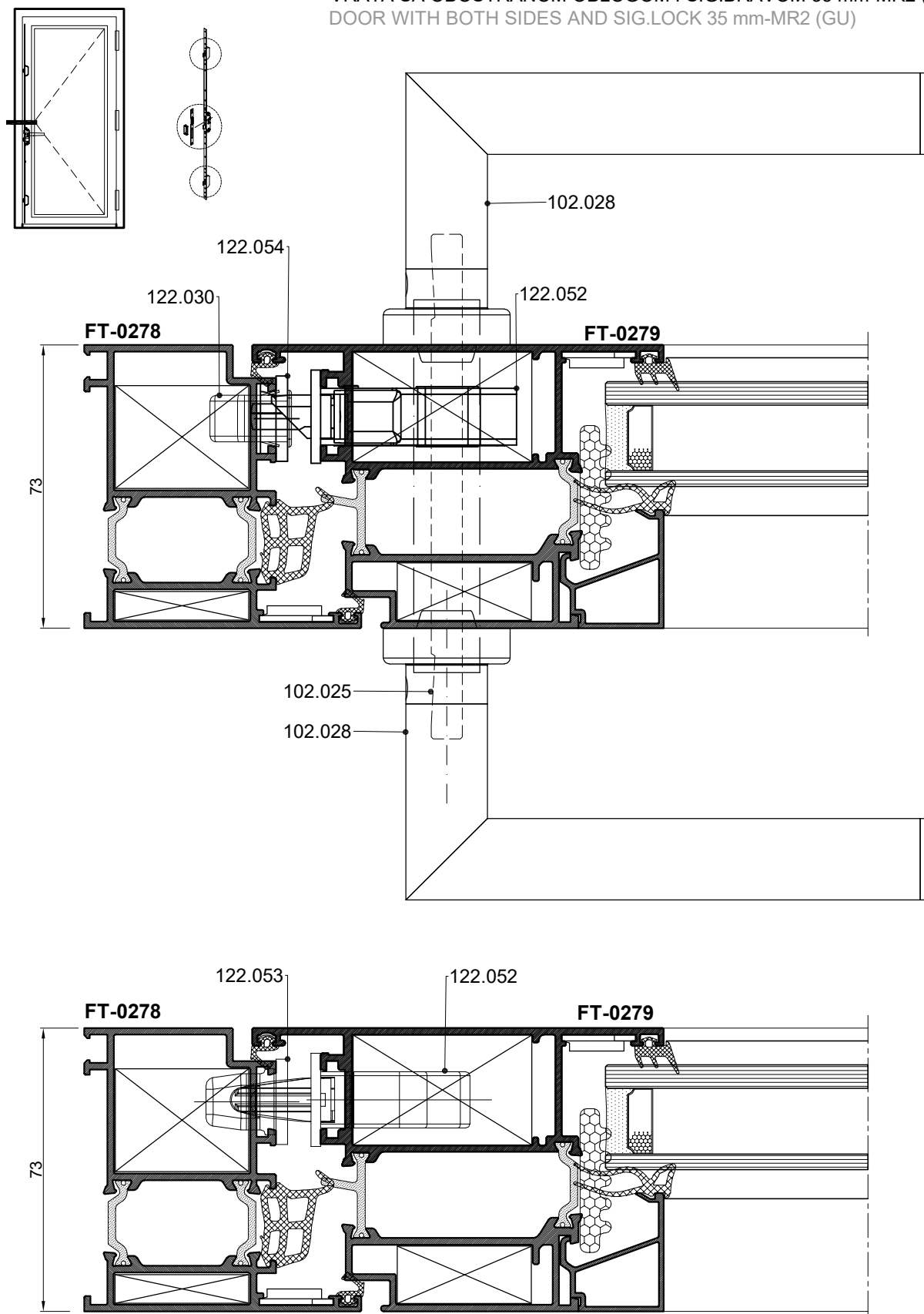








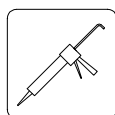
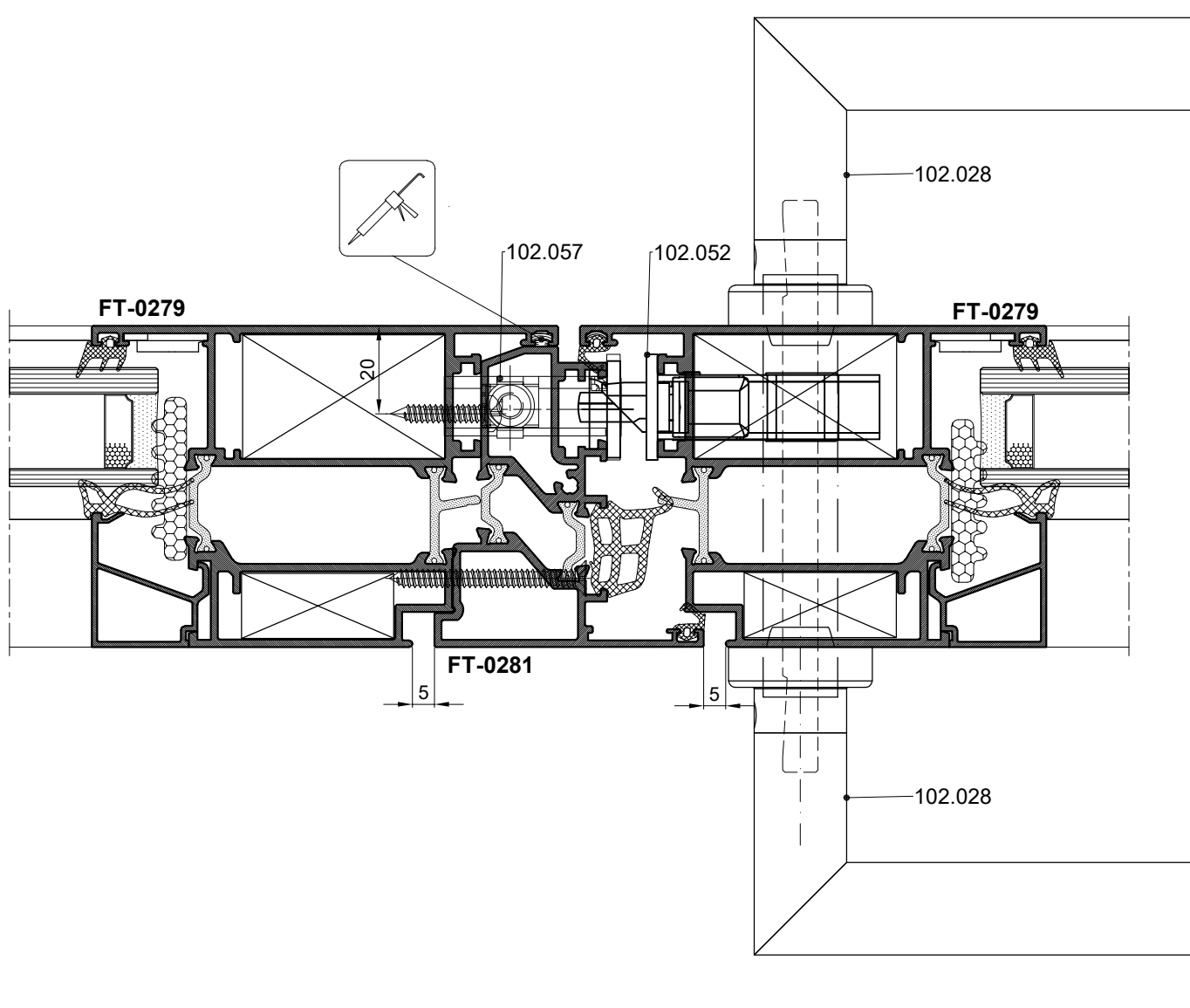
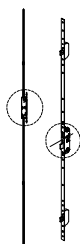
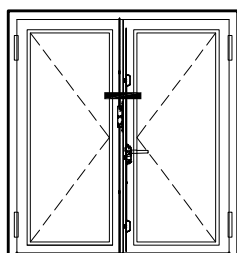
VRATA SA OBOSTRANOM OBLOGOM I SIG.BRAVOM 35 mm-MR2 (GU)  
DOOR WITH BOTH SIDES AND SIG.LOCK 35 mm-MR2 (GU)



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

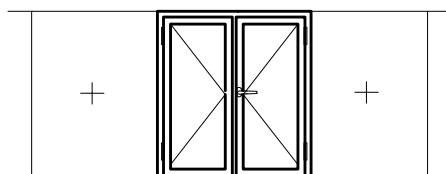
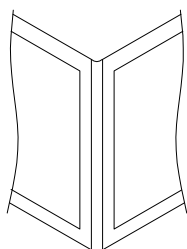
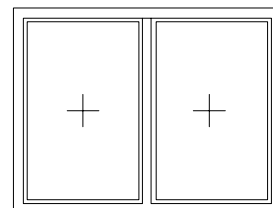
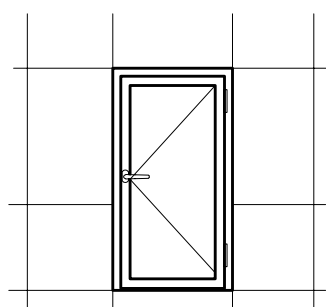
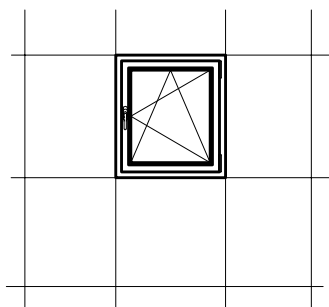


VRATA SA OBOSTRANOM OBLOGOM I SIG.BRAVOM 35 mm-MR2 (GU)  
DOOR WITH BOTH SIDES AND SIG.LOCK 35 mm-MR2 (GU)

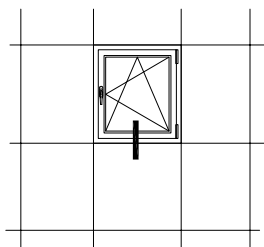


ljepilo za metal  
(npr. Teroson MS 939)  
metal glue  
(eg. Teroson MS 939)

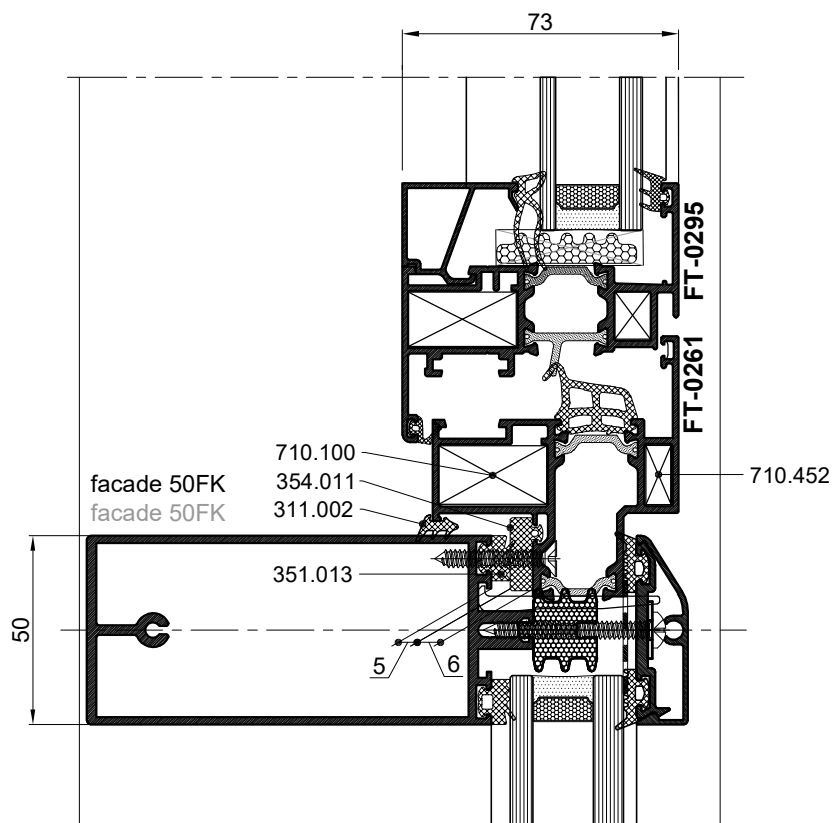
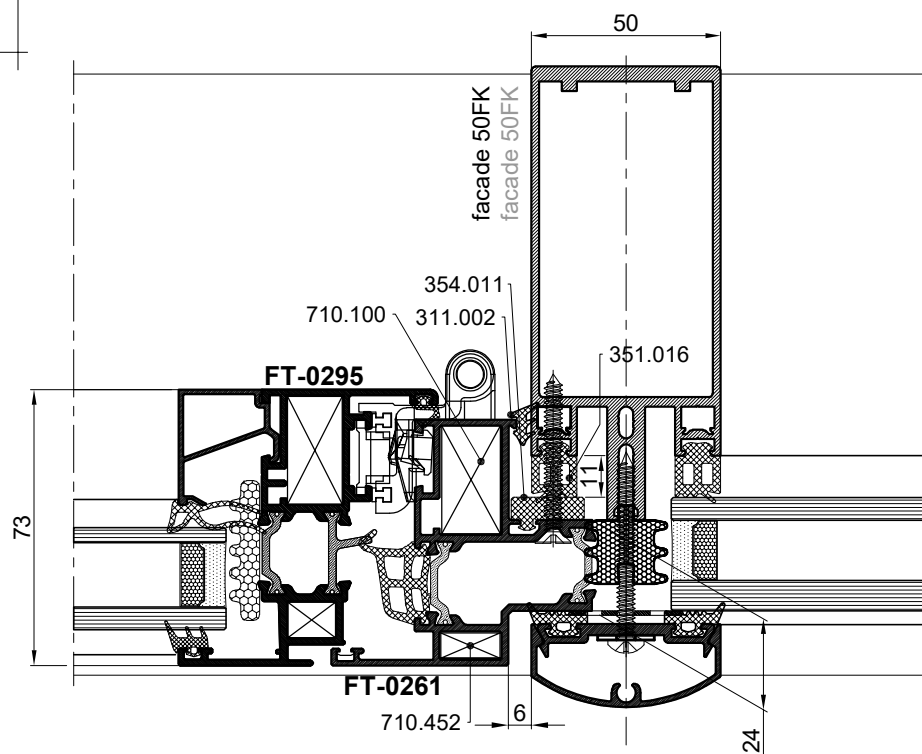


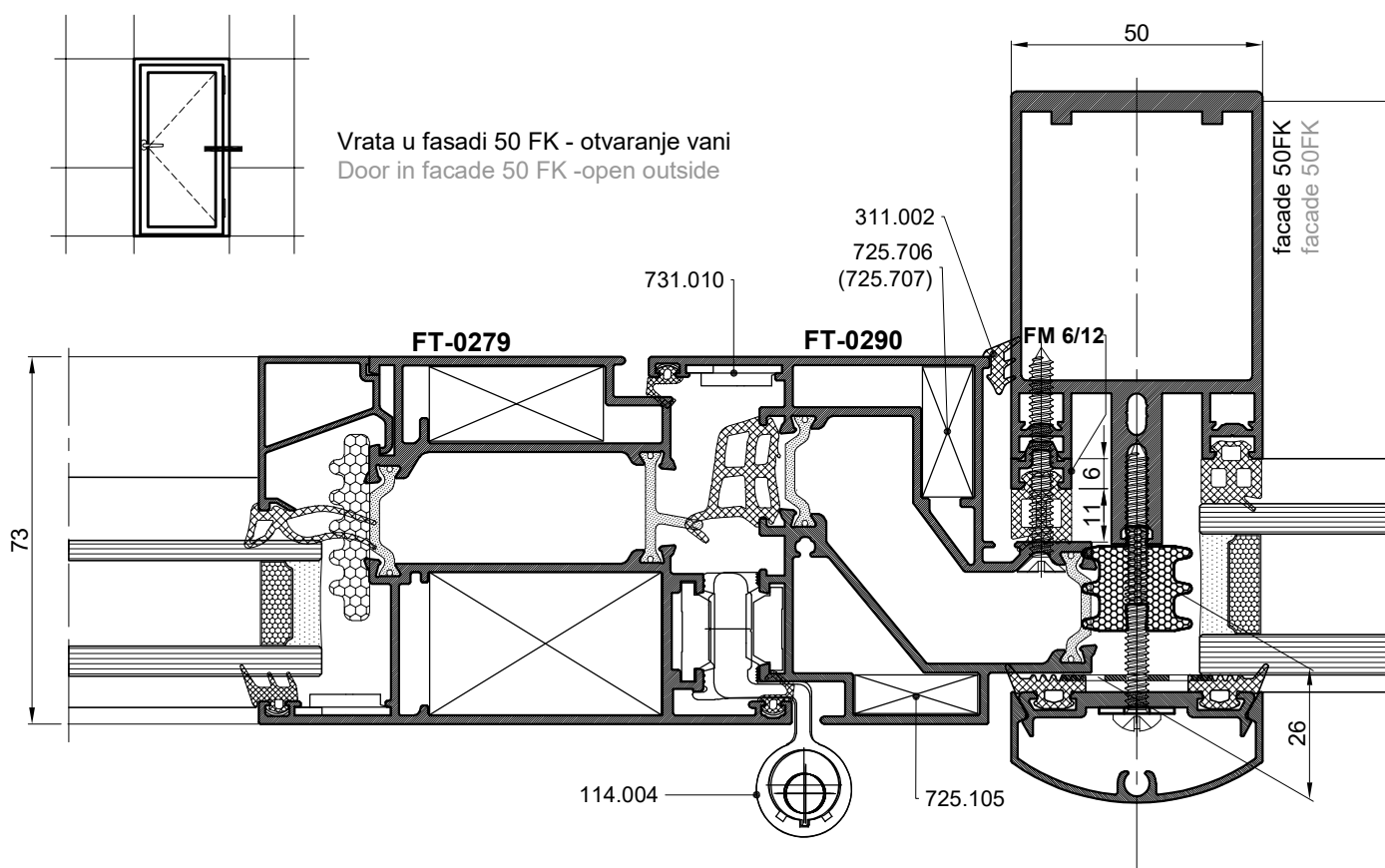
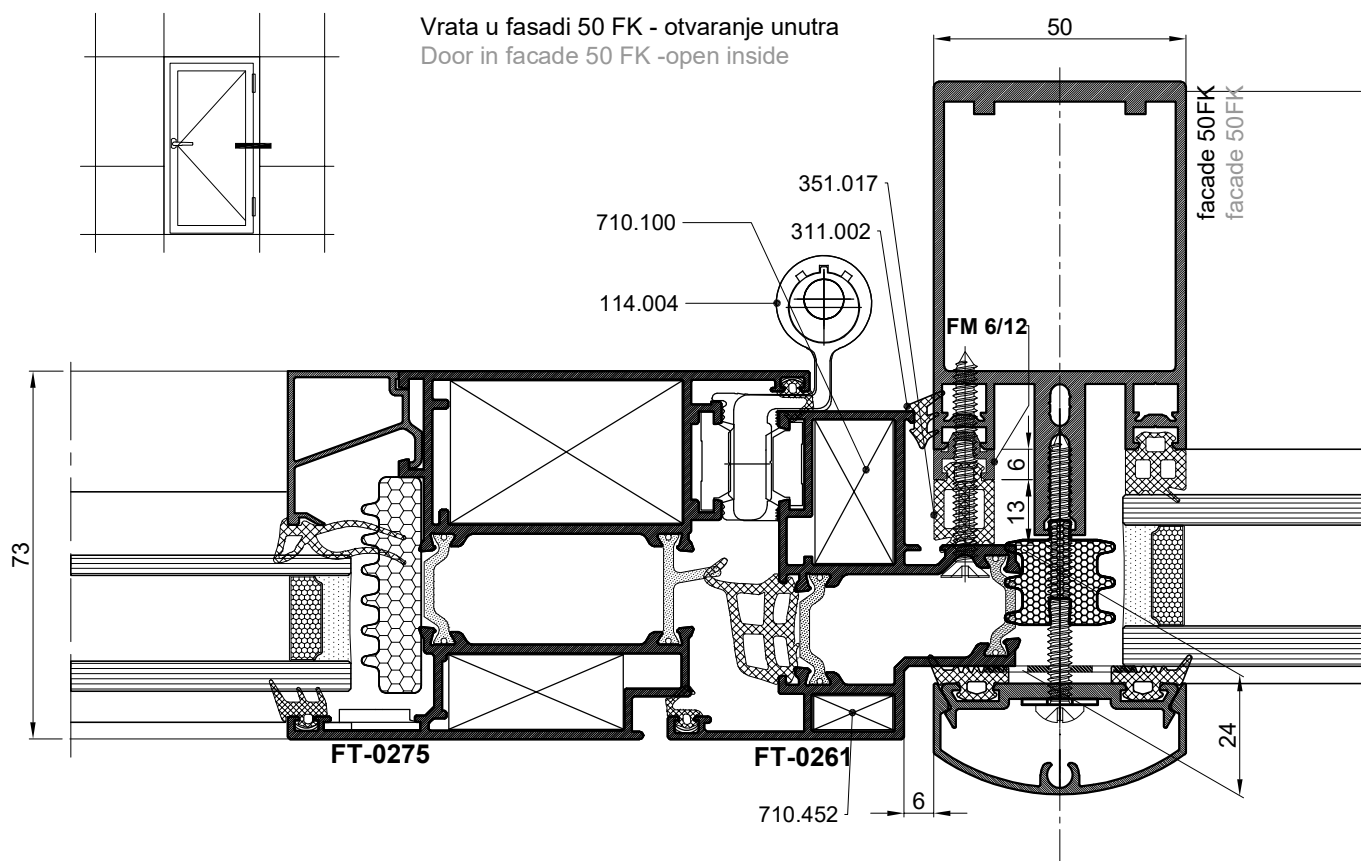


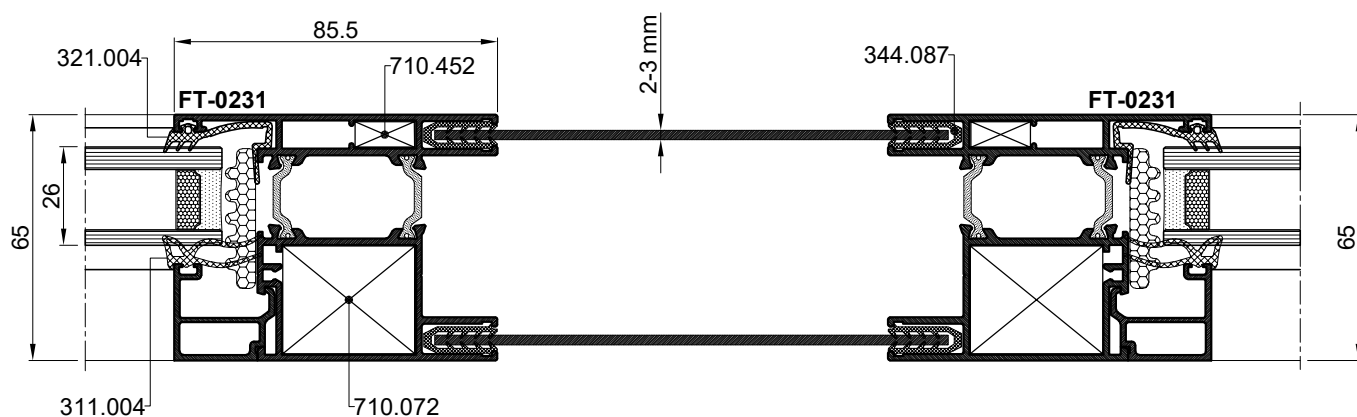
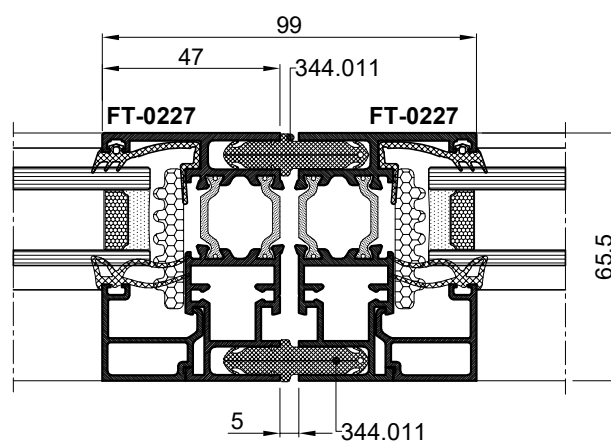
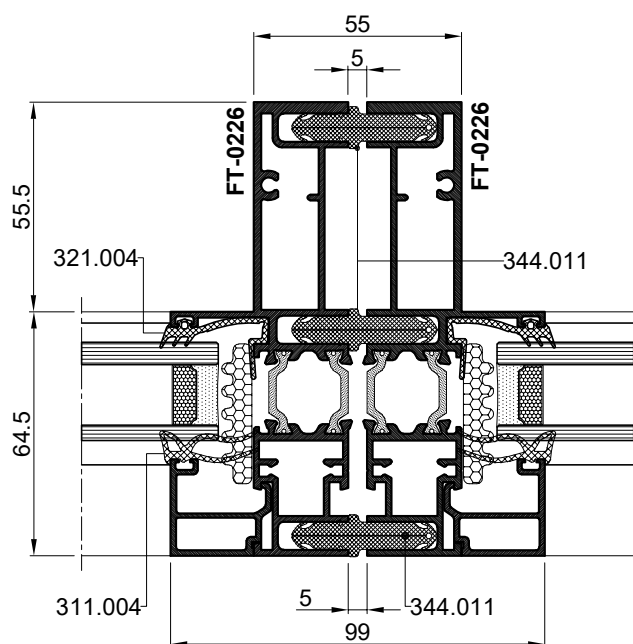
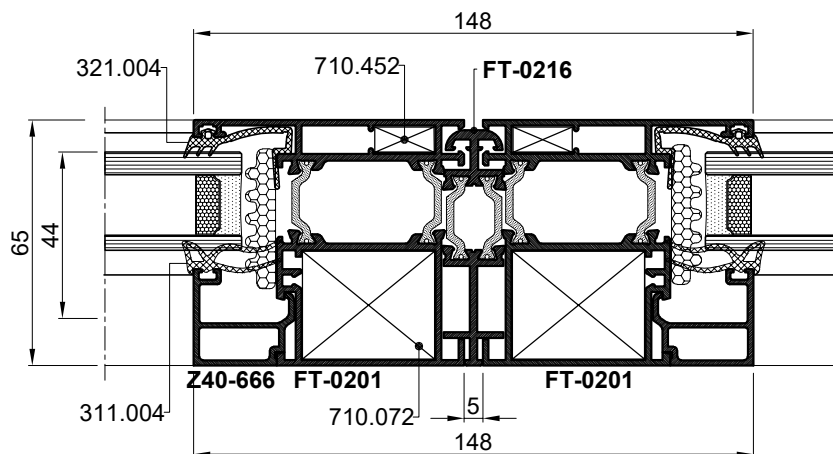
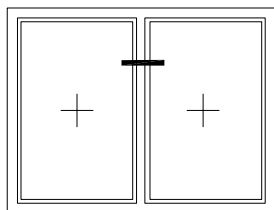


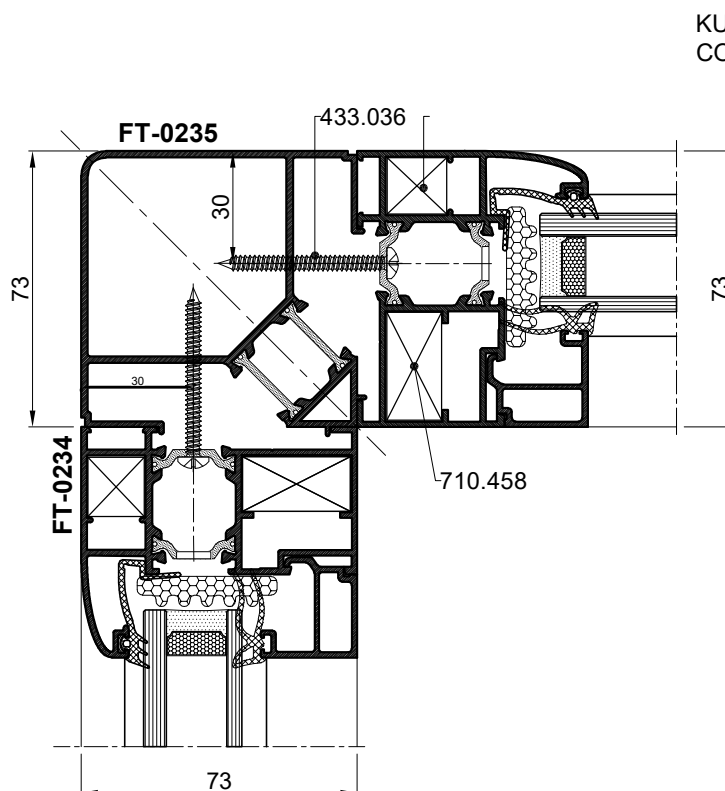
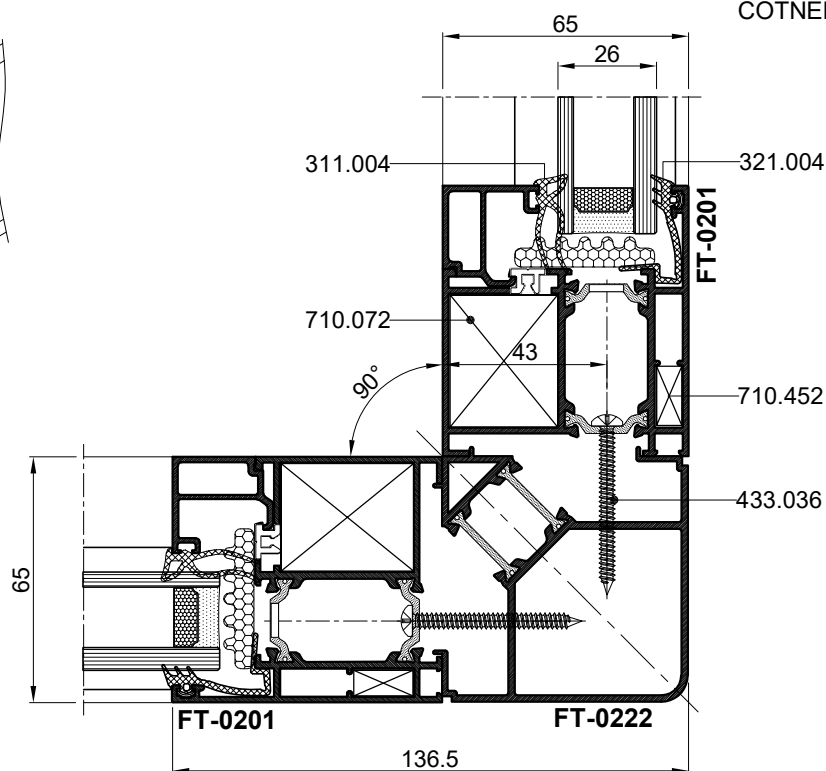
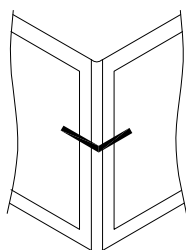


Prozor u fasadi 50 FK  
Window in facade 50 FK

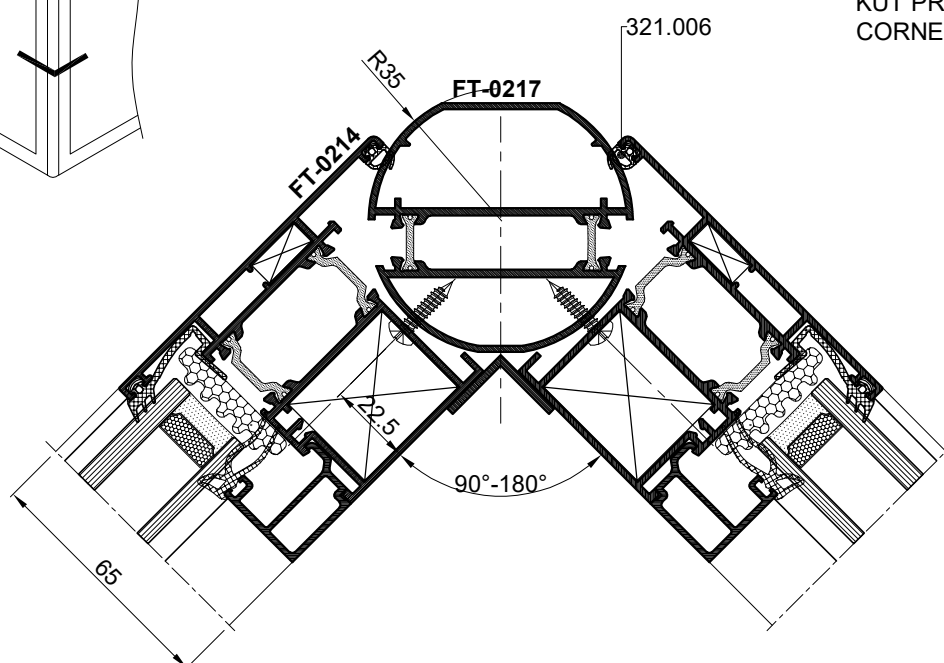
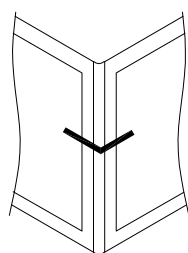




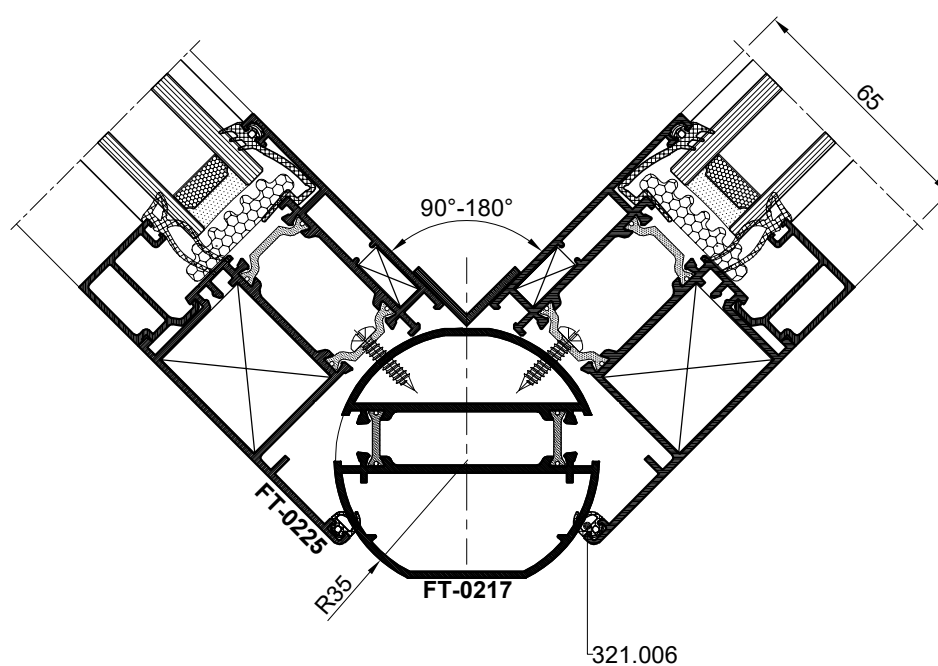








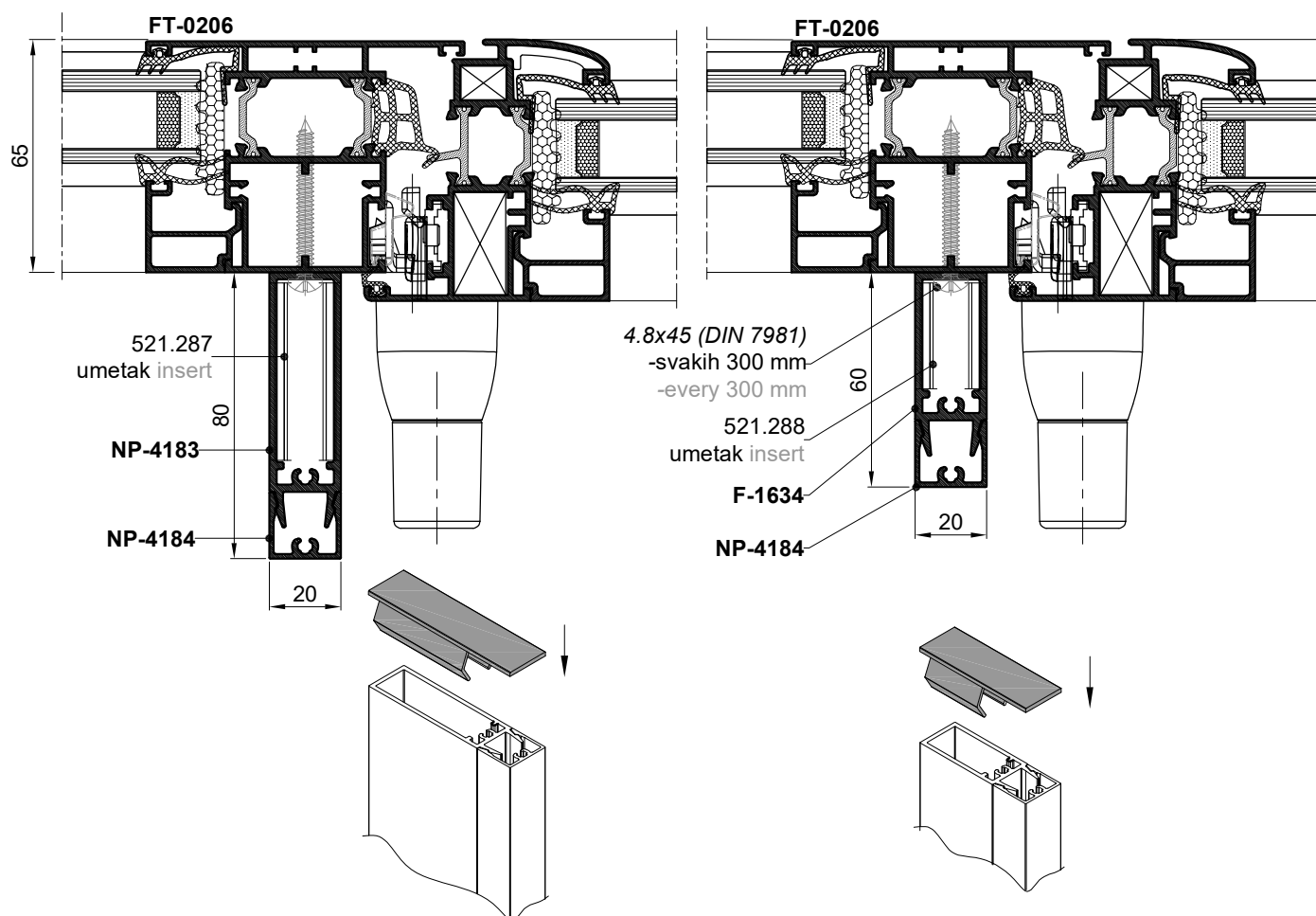
KUT PREMA VANI  
CORNER TO OUTSIDE



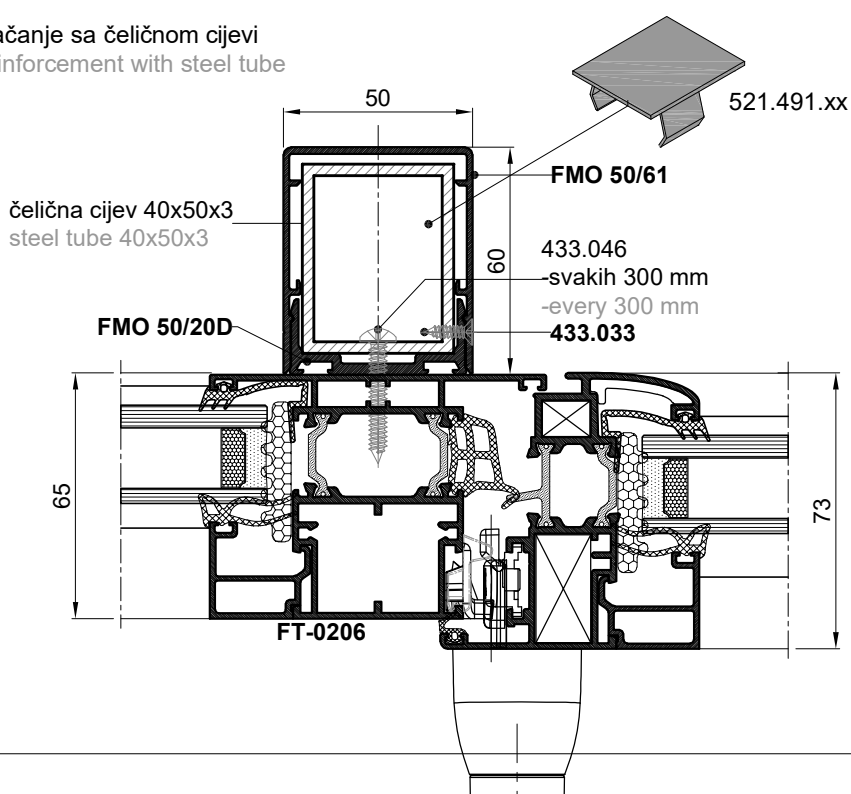
KUT PREMA UNUTRA  
COTNER TO INSIDE

Ojačanje 80 mm  
Reinforcement 80 mm

Ojačanje 60 mm  
Reinforcement 60 mm

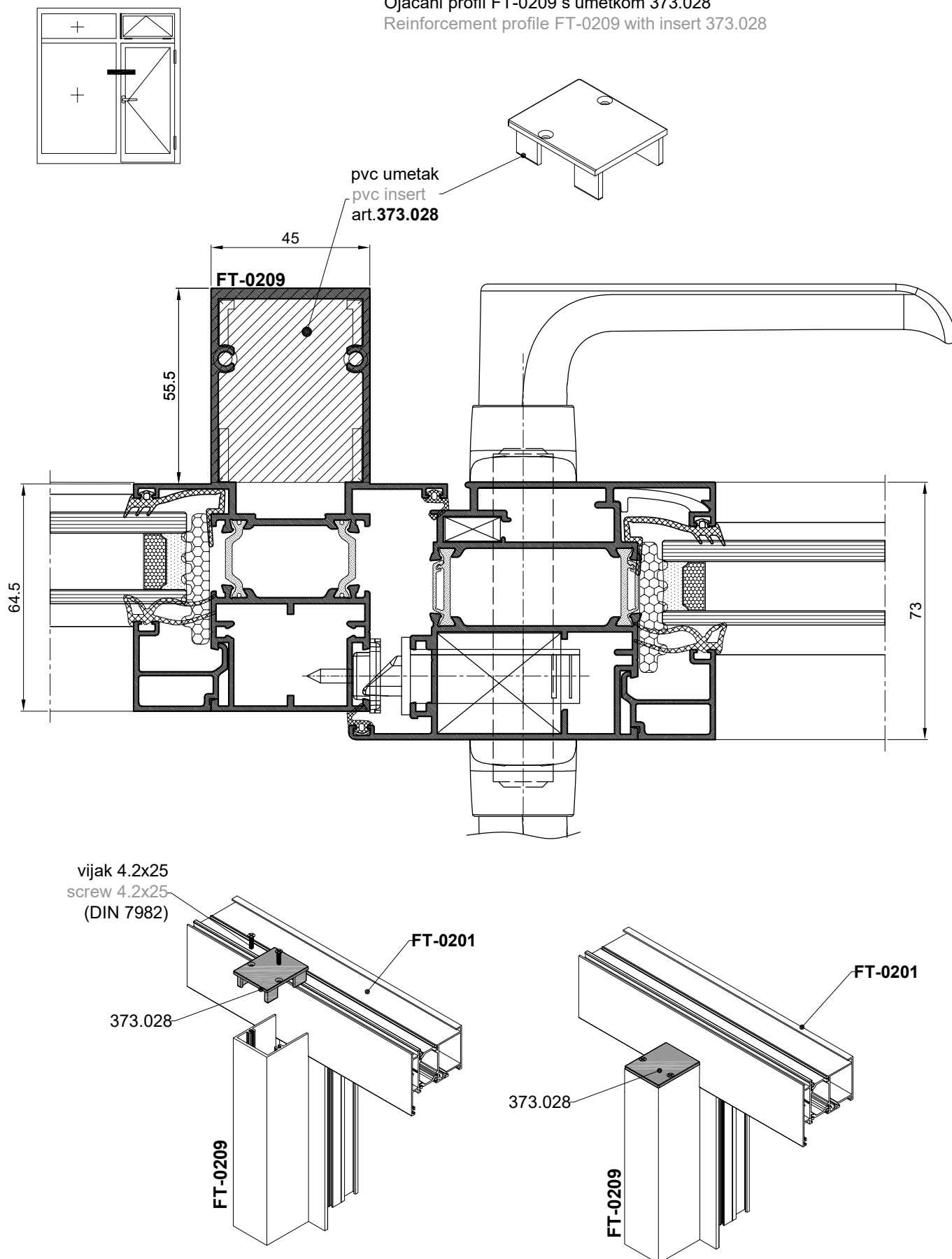


Ojačanje sa čeličnom cijevi  
Reinforcement with steel tube

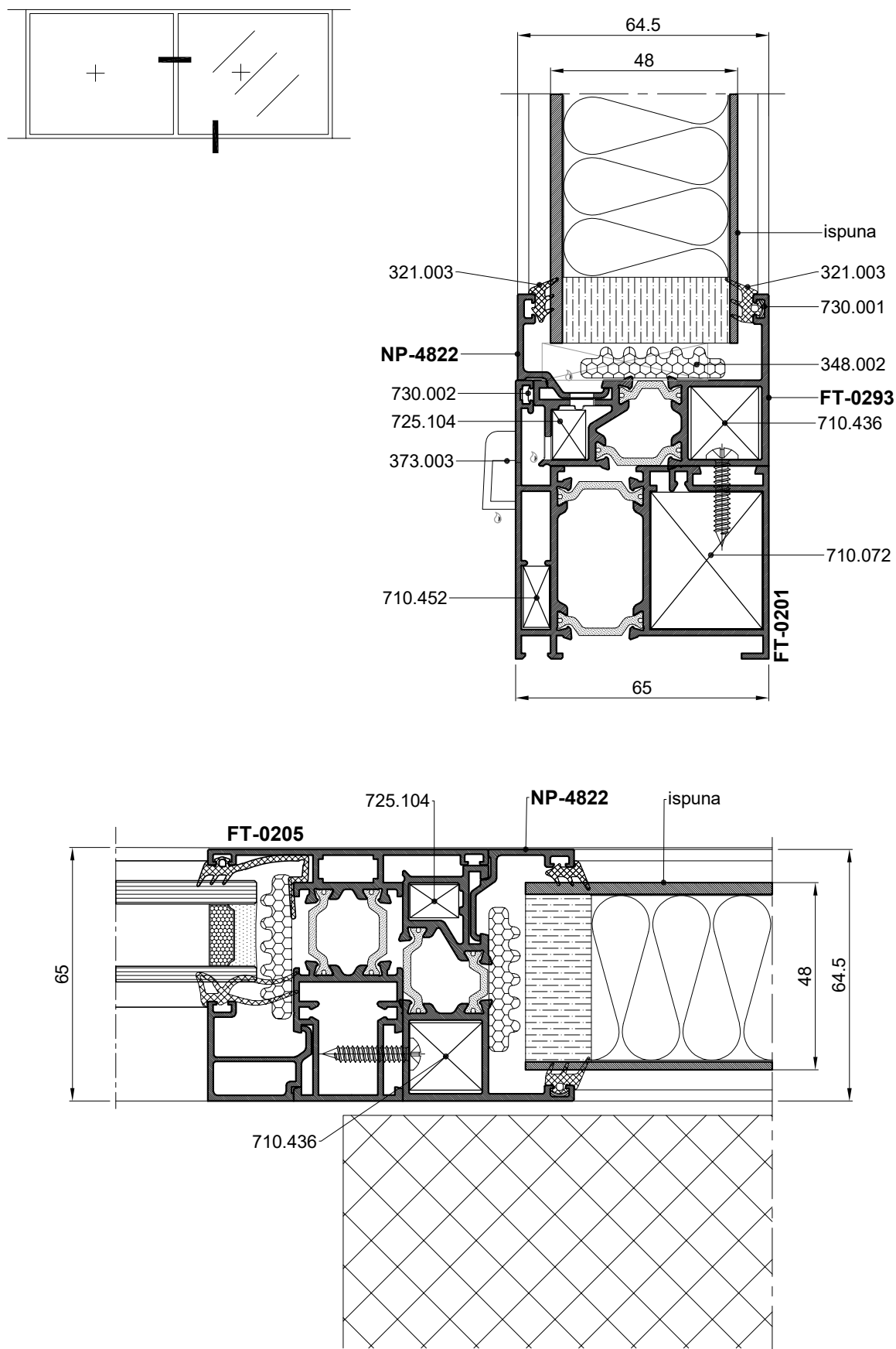


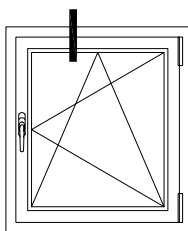
-Profil FMO 50/61 (maska ojačanja) mora biti 50 mm duži od profila ojačanja.  
-FMO 50/61 profile (reinforcement mask) must be 50 mm longer than the reinforcement profile.

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

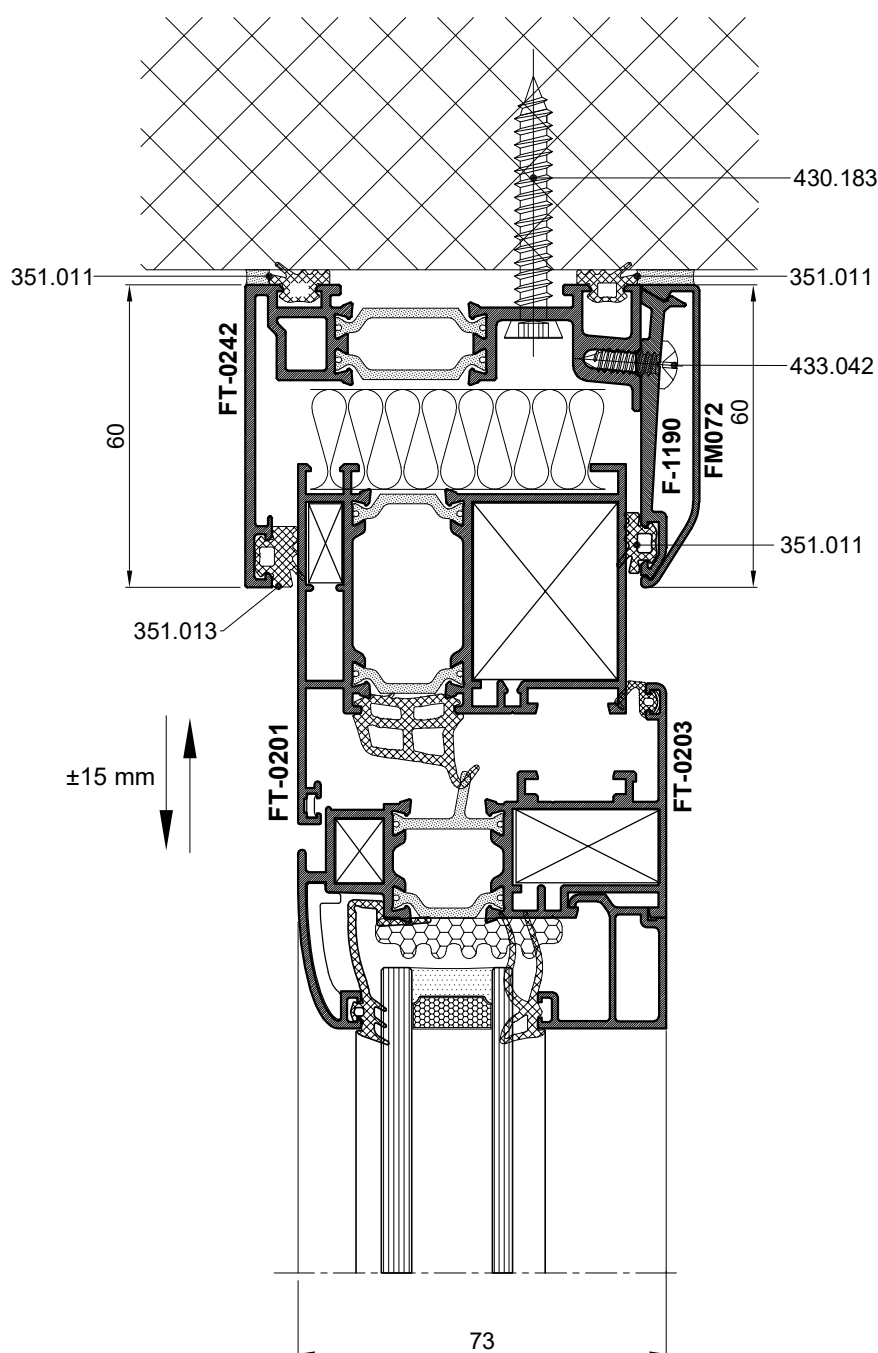


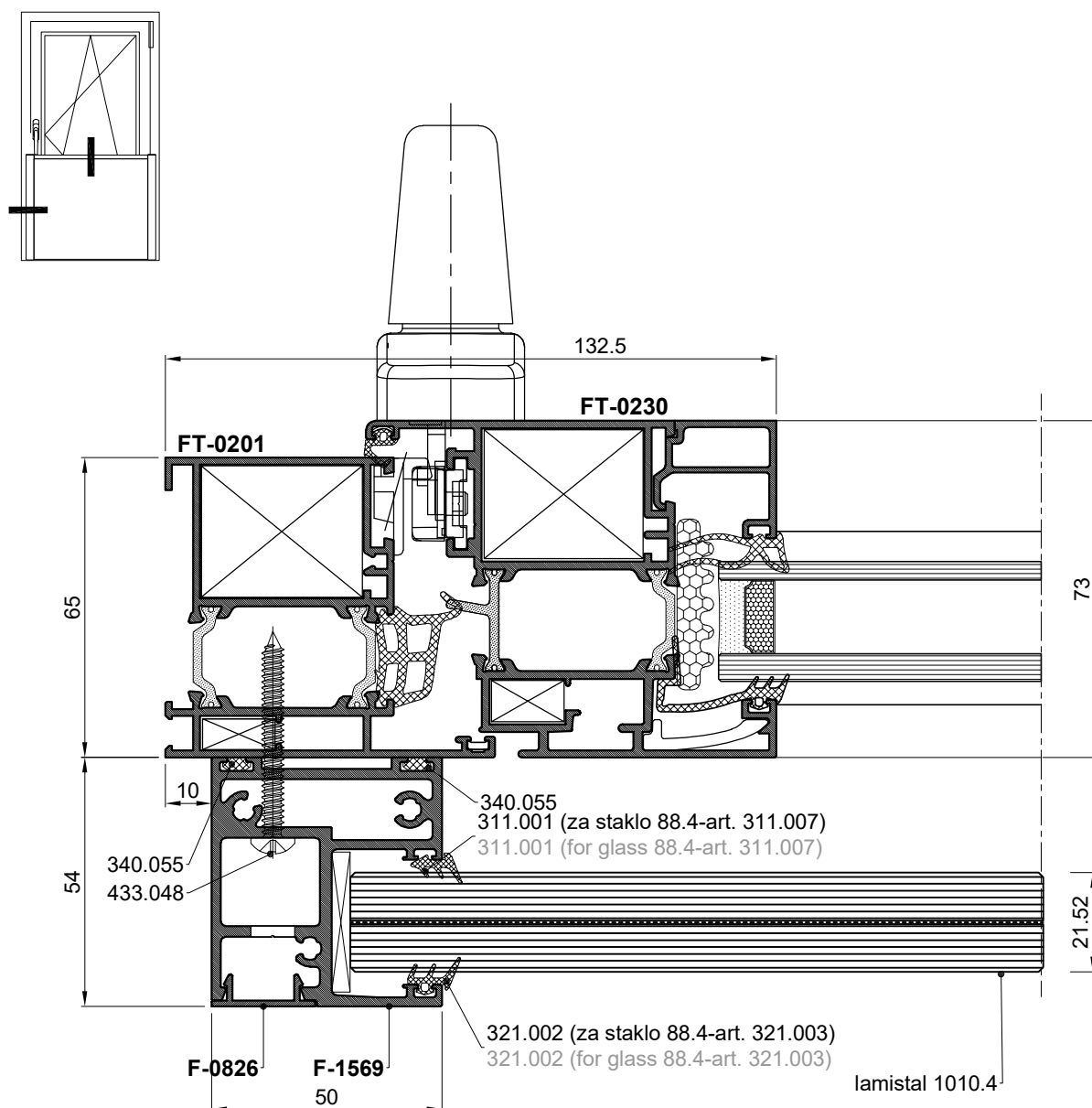
Detalj ostakljivanja s vanjske strane  
Detail of glazing on the outside





PROFIL ZA UGRADNJU  
INSTALATION PROFILE

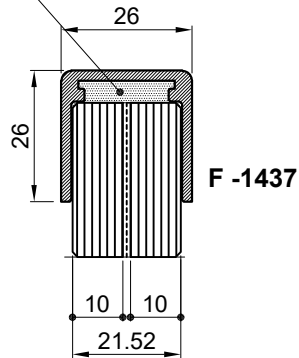
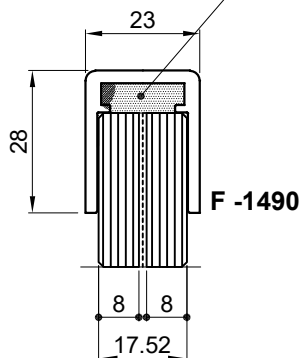


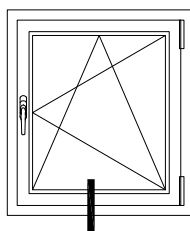


SA STAKLOM 88.4  
WITH GLASS 88.4

jednokomponentno ljepilo  
teroson ms 939  
onecomponent glue  
teroson ms 939

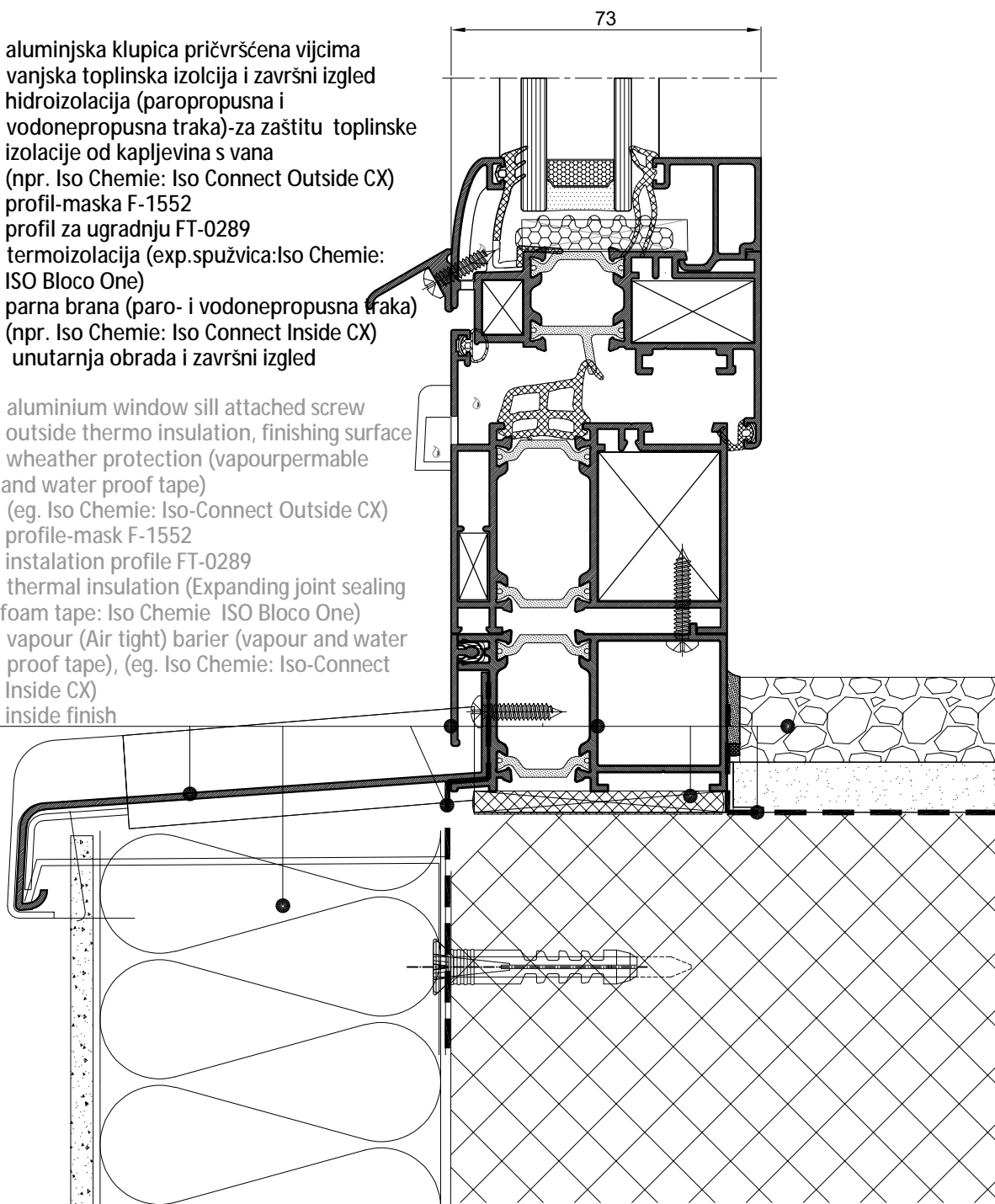
SA STAKLOM 1010.4  
WITH GLASS 1010.4



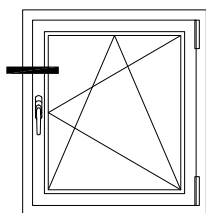


Ugradnja prema RAL standardu  
Installation for RAL standards

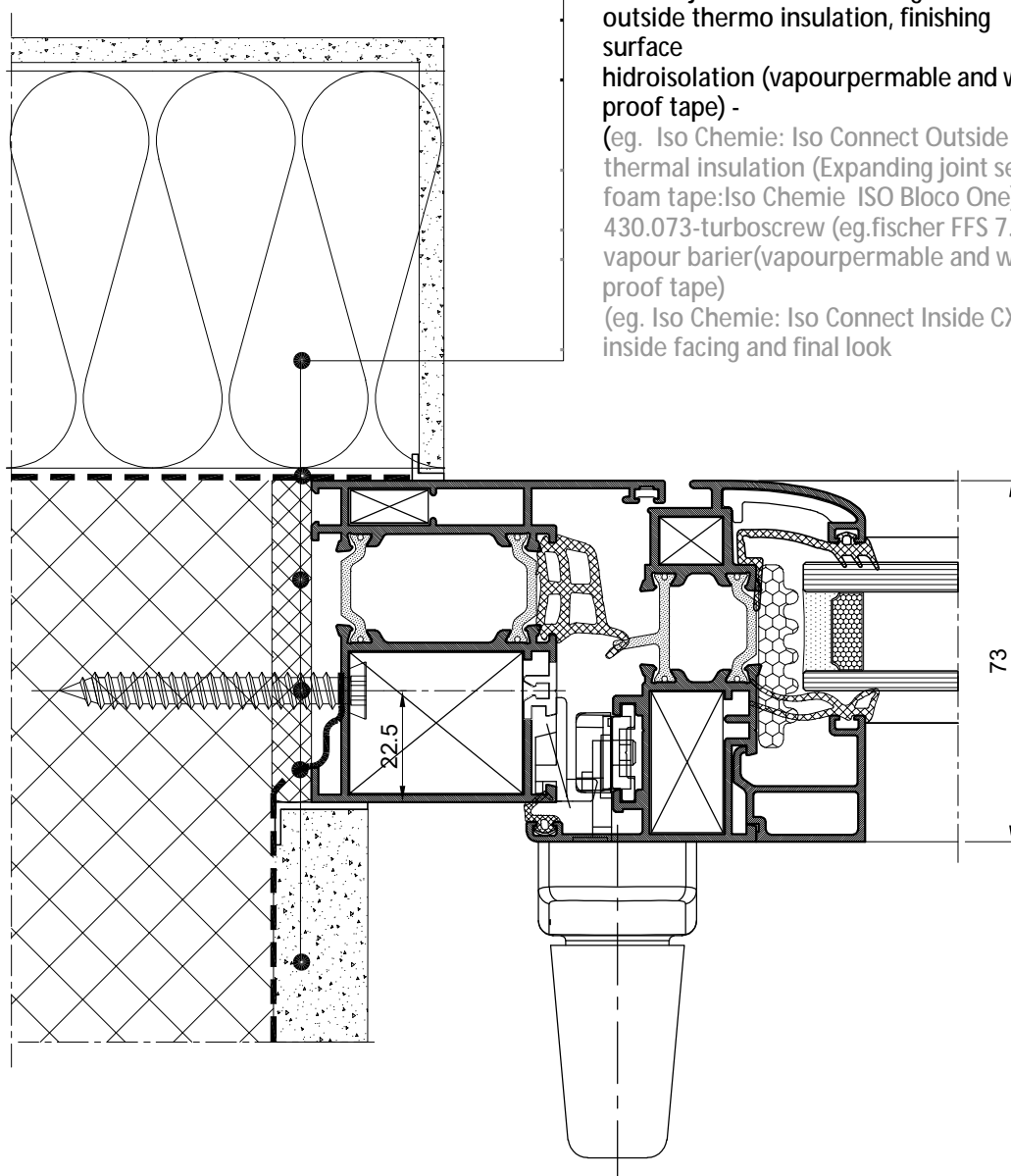
- aluminjska klupica pričvršćena vijcima
- vanjska toplinska izolacija i završni izgled
- hidroizolacija (paropropusna i vodonepropusna traka)-za zaštitu toplinske izolacije od kapljevina s vana (npr. Iso Chemie: Iso Connect Outside CX)
- profil-mask F-1552
- profil za ugradnju FT-0289
- termoizolacija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





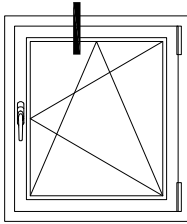


Ugradnja prema RAL standardu  
Installation for RAL standards

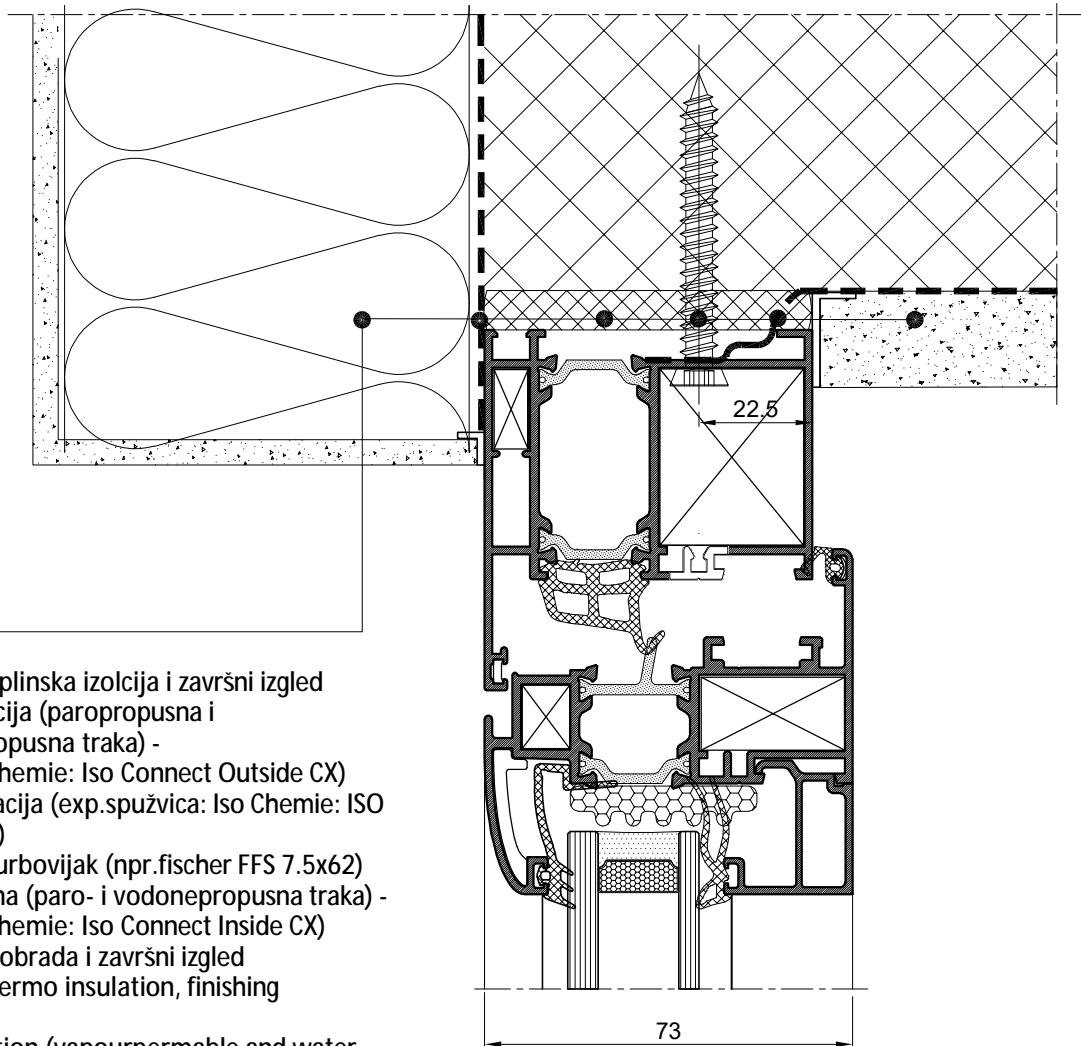


vanjska toplinska izolacija i završni izgled  
hidroizolacija (paropropusna i  
vodonepropusna traka) -  
(npr. Iso Chemie: Iso Connect Outside CX)  
termoizolacija (exp.spužvica: Iso Chemie: ISO  
Bloco One)  
430.073-turbovijak (npr.fischer FFS 7.5x72)  
parna brana (paro- i vodonepropusna traka) -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

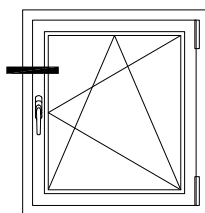




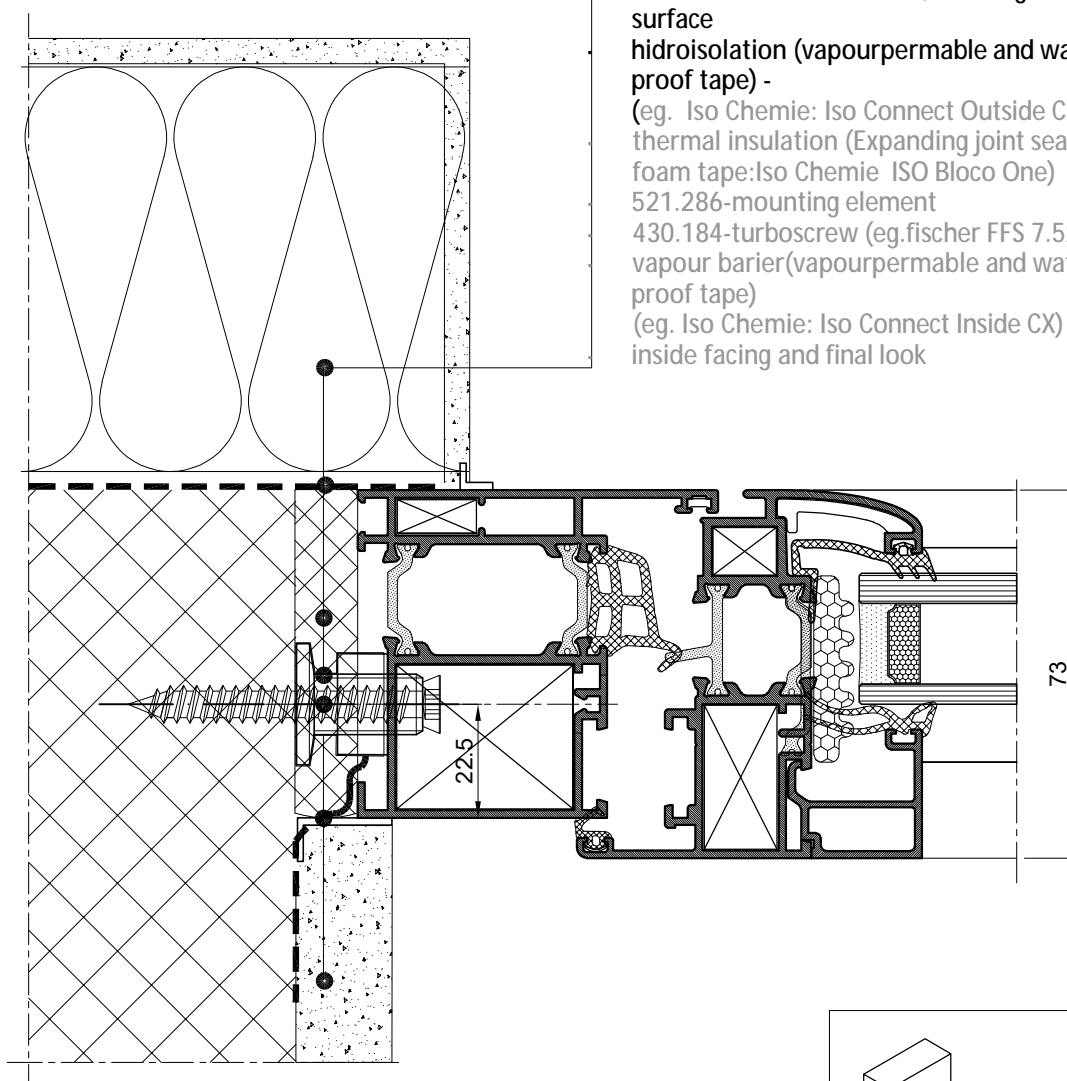
Ugradnja prema RAL standardu  
Installation for RAL standards



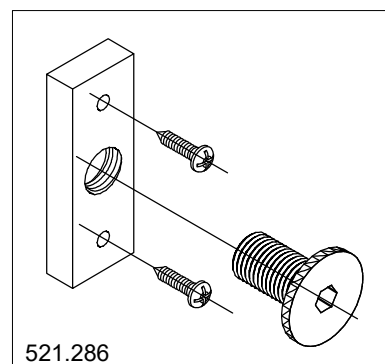
vanjska toplinska izolacija i završni izgled  
hidroizolacija (paropropusna i  
vodonepropusna traka) -  
(npr. Iso Chemie: Iso Connect Outside CX)  
termoizolacija (exp.spužvica: Iso Chemie: ISO  
Bloco One)  
430.184-turbovijak (npr.fischer FFS 7.5x62)  
parna brana (paro- i vodonepropusna traka) -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



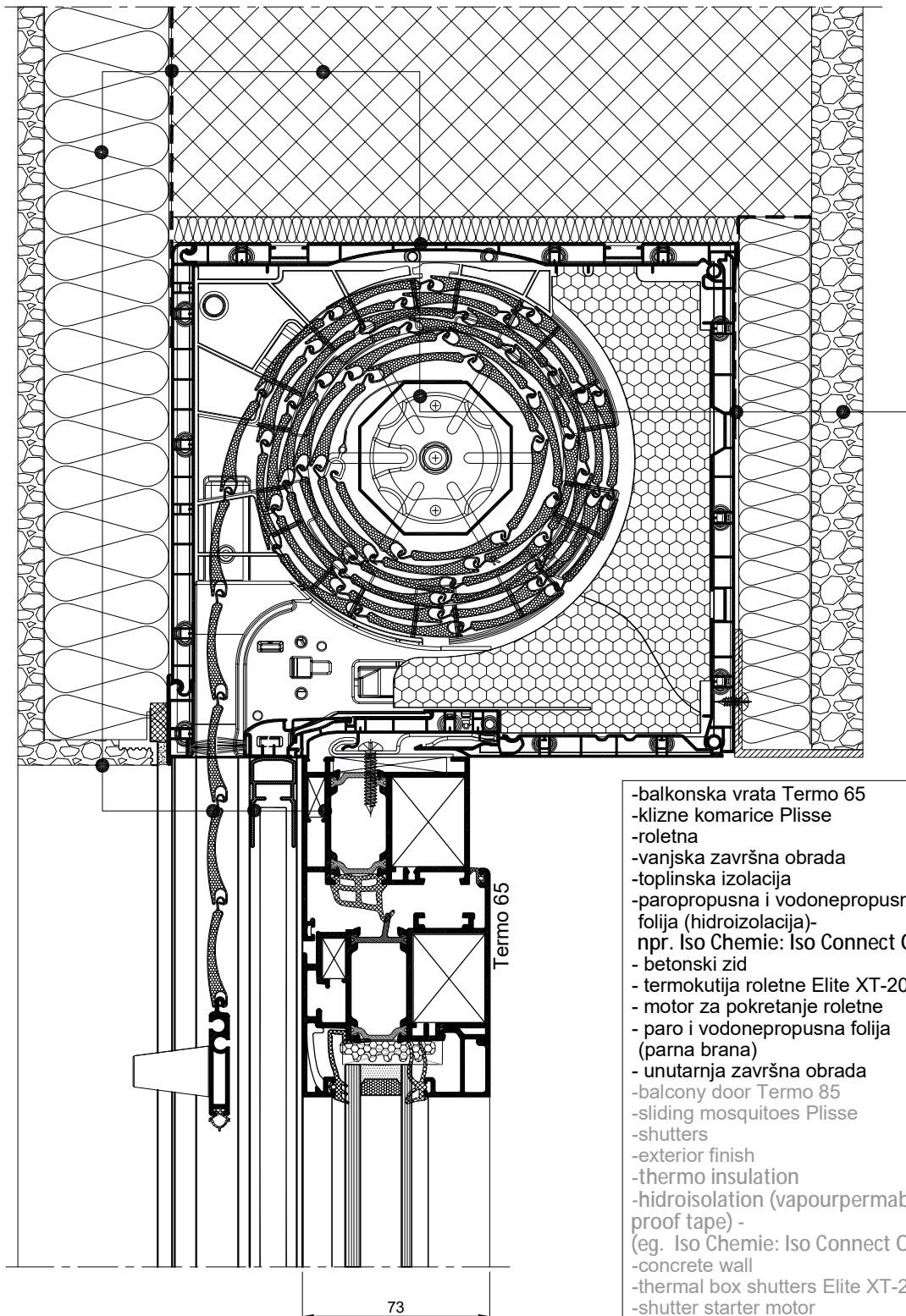
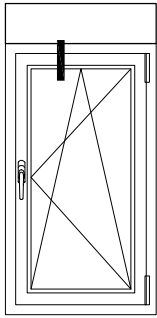
Ugradnja sa elementom za ugradnju 521.286  
Installation for Installation with mounting element 521.286



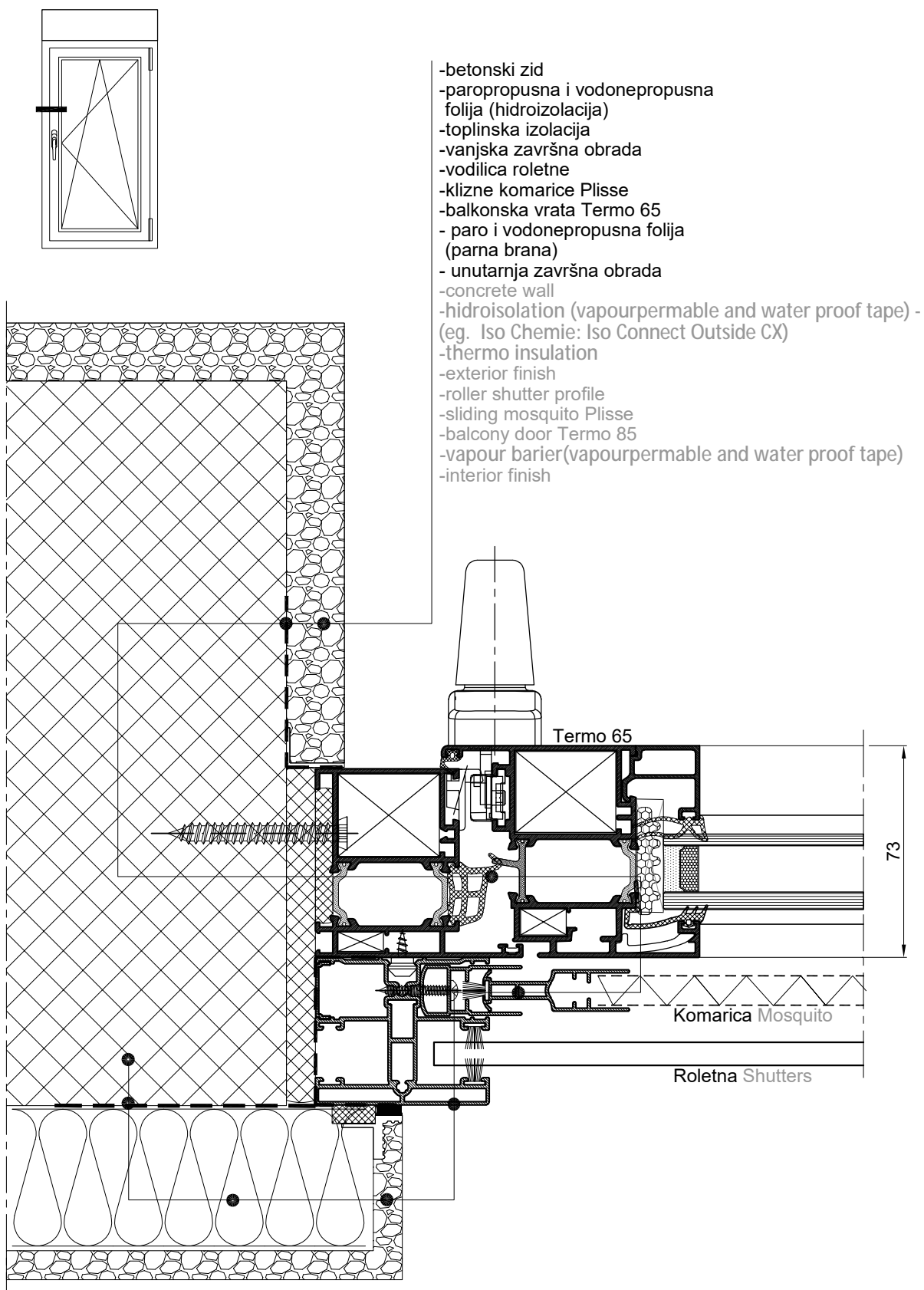
vanjska toplinska izolacija i završni izgled  
hidroizolacija (paropropusna i  
vodonepropusna traka) -  
(npr. Iso Chemie: Iso Connect Outside CX)  
termoizolacija (exp.spužvica: Iso Chemie: ISO  
Bloco One)  
521.286-element za ugradnju  
430.184-turbovijak (npr.fischer FFS 7.5x62)  
parna brana (paro- i vodonepropusna traka) -  
(npr. Iso Chemie: Iso Connect Inside CX)  
unutarnja obrada i završni izgled  
outside thermo insulation, finishing  
surface  
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)  
521.286-mounting element  
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



521.286

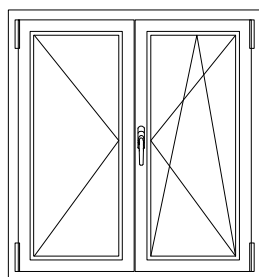
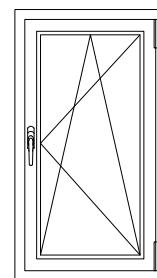
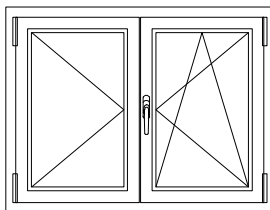
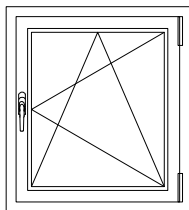


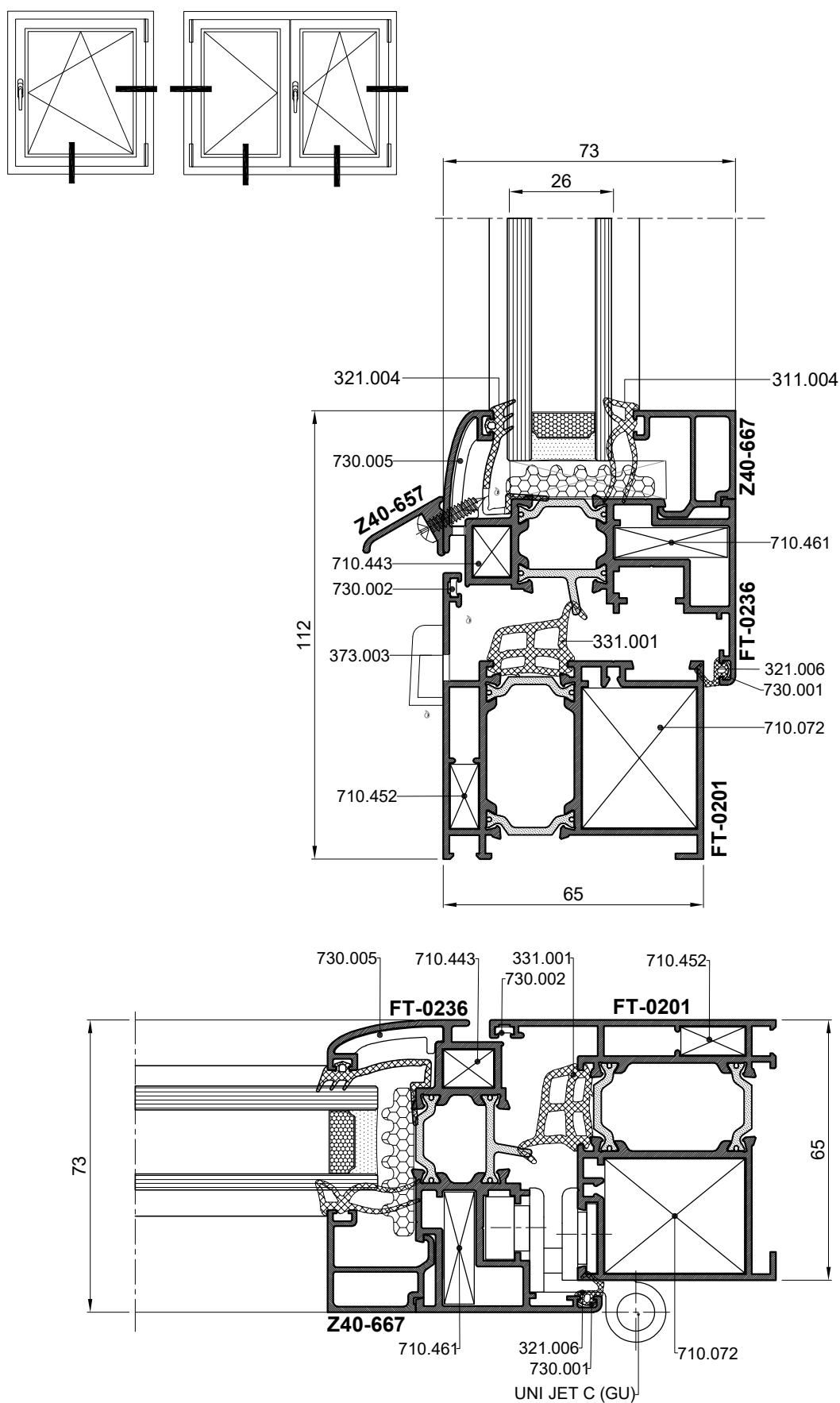
- balkonska vrata Termo 65
- klizne komarice Plisse
- roletna
- vanjska završna obrada
- toplinska izolacija
- paropropusna i vodonepropusna folija (hidroizolacija)-
- npr. Iso Chemie: Iso Connect Outside CX
- betonski zid
- termokutija roletne Elite XT-200x220
- motor za pokretanje roletne
- paro i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

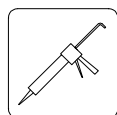
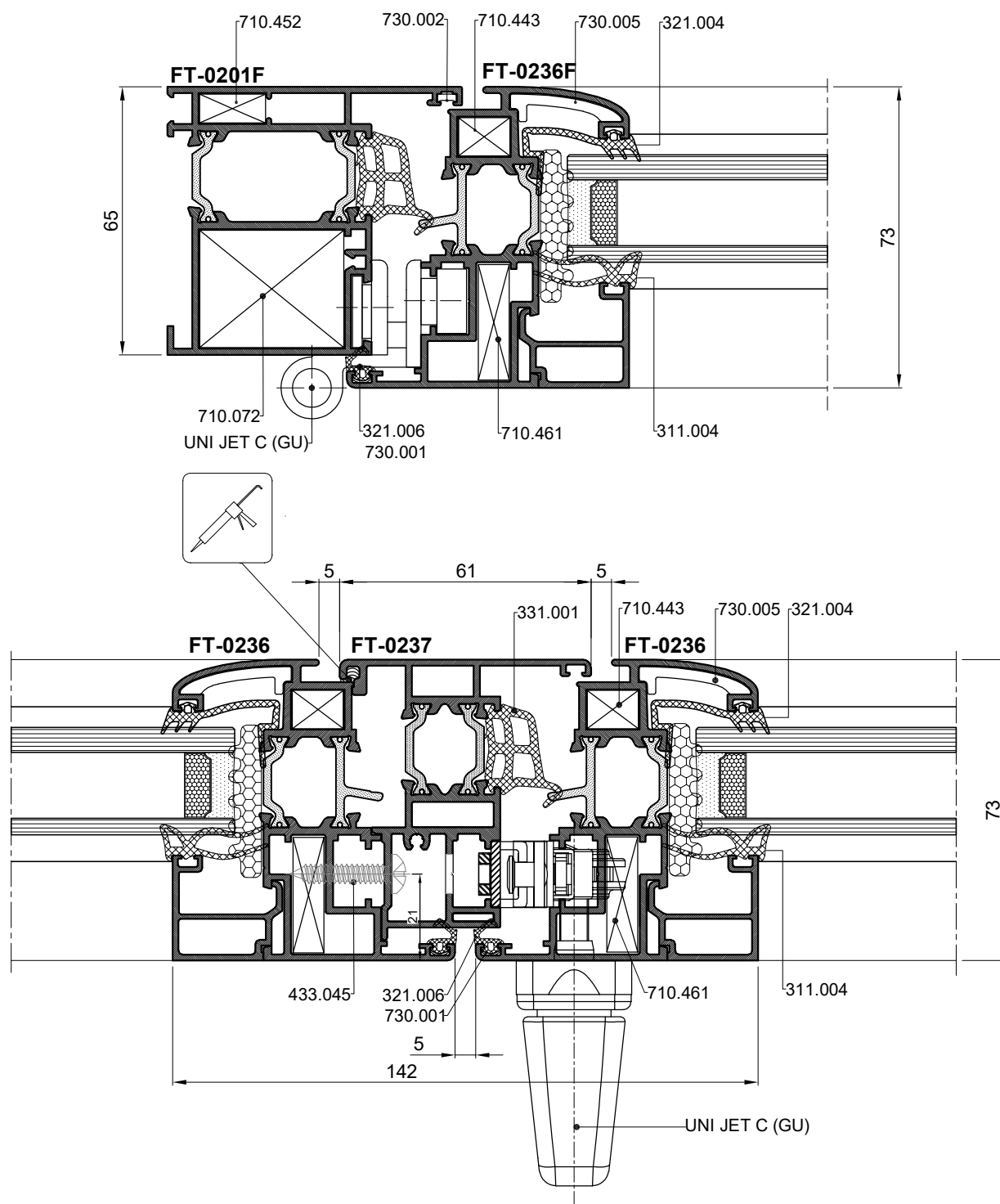
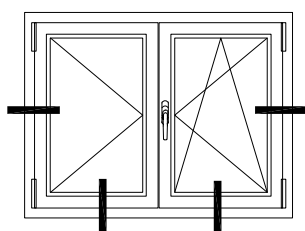


# Profili sa žlijebom 16/13

## Grooved profiles 16/13

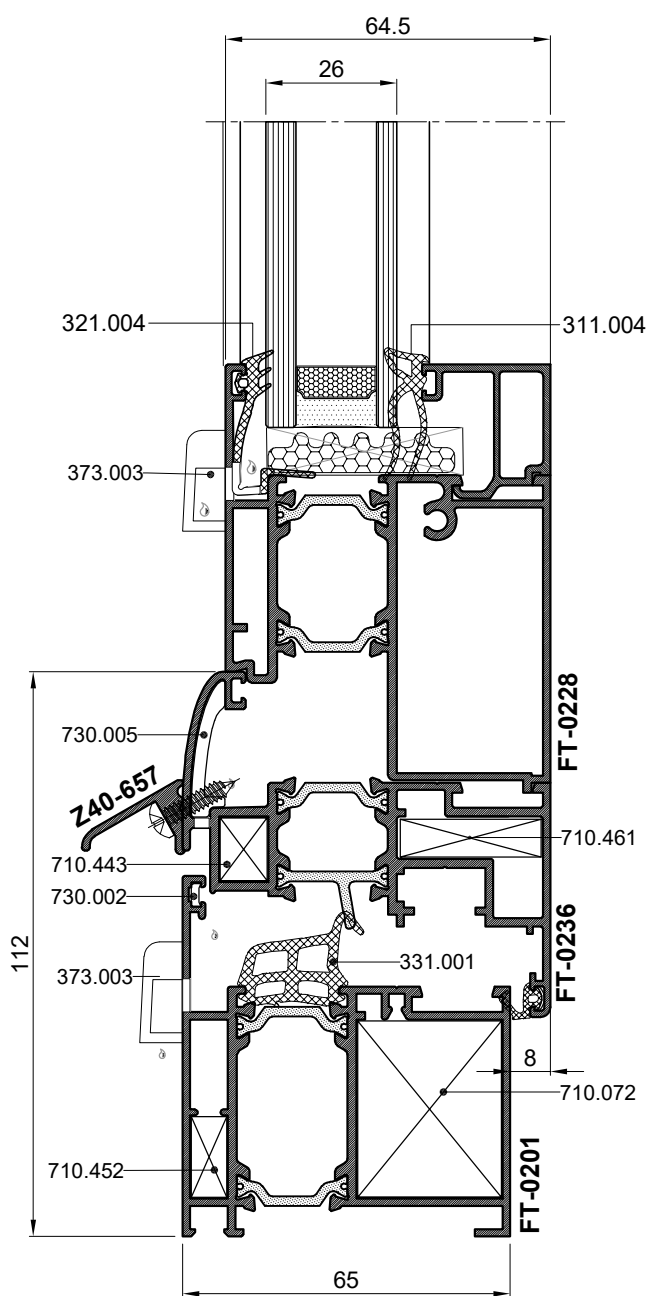
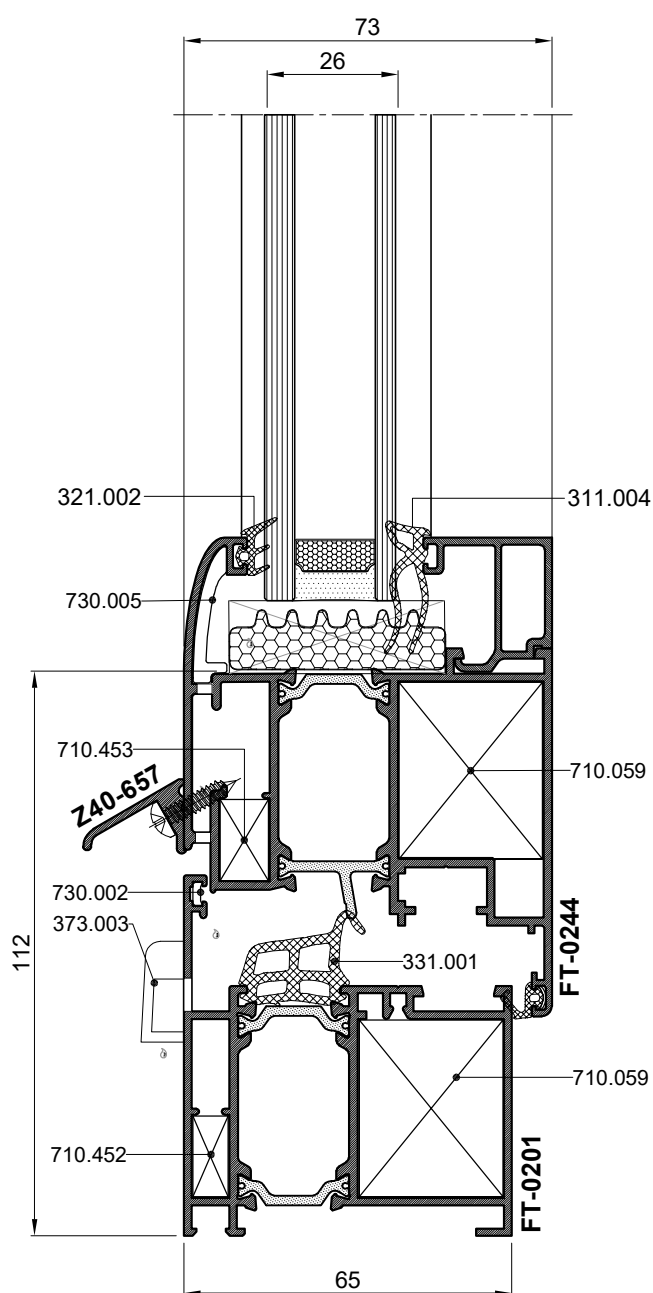
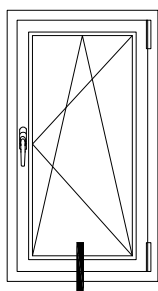


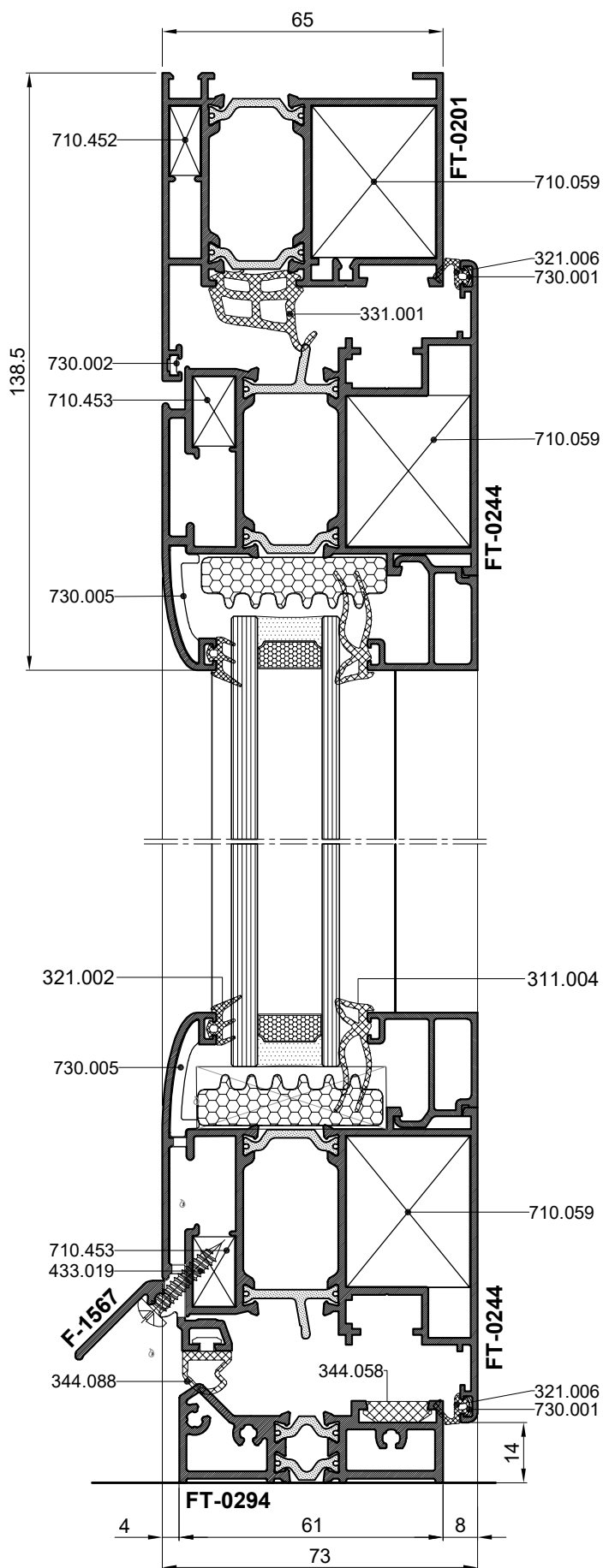
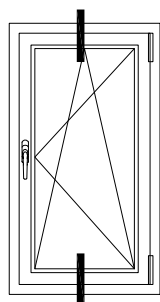


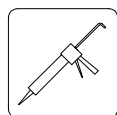
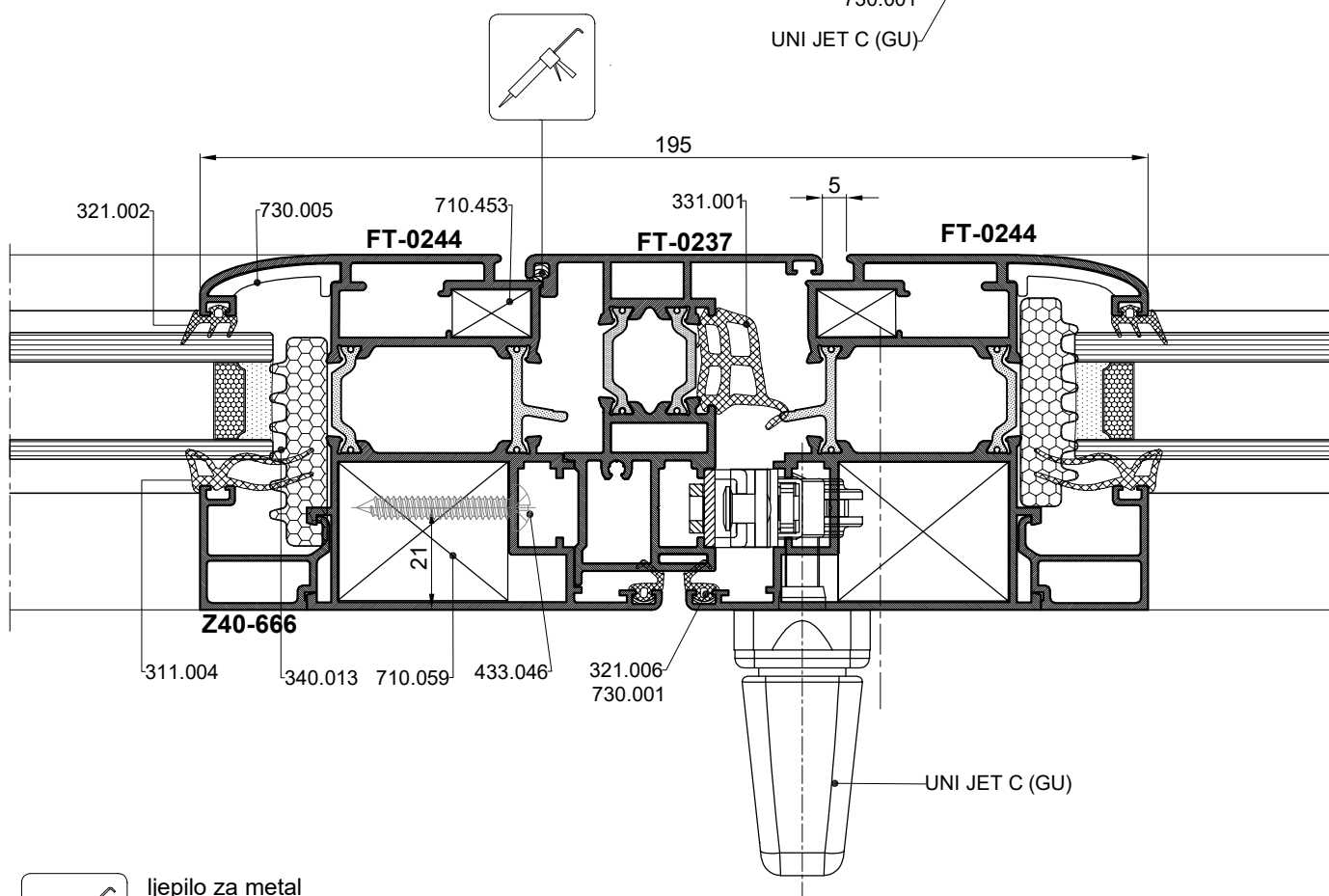
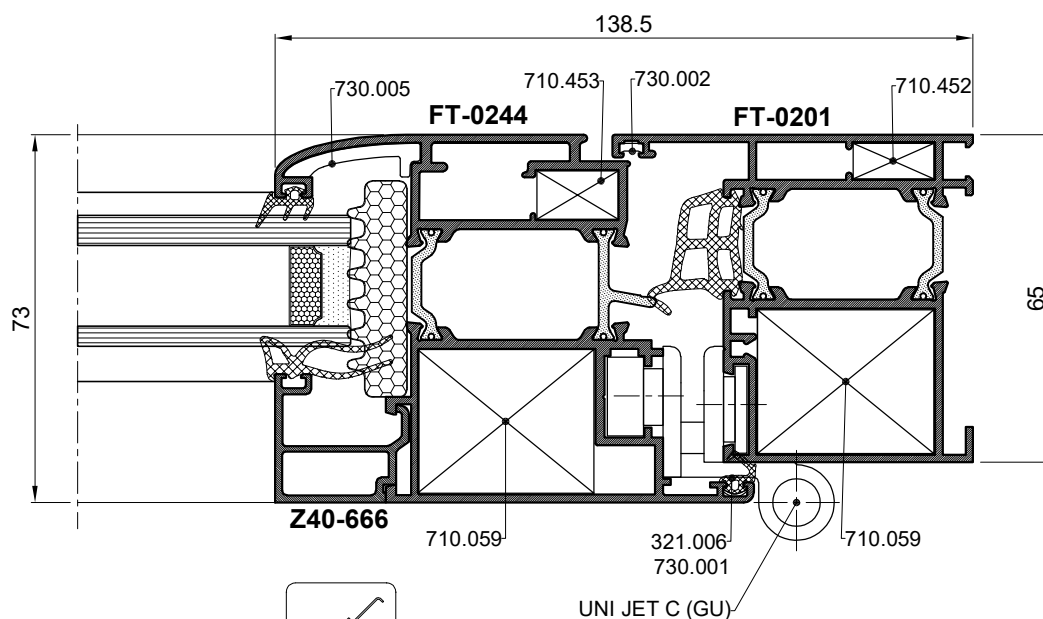
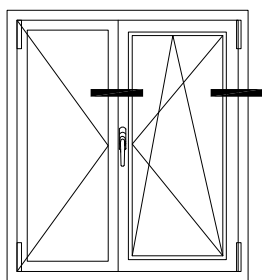


ljepilo za metal  
(npr. Teroson MS 939)  
metal glue  
(eg. Teroson MS 939)









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





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## TERMO 65

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

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