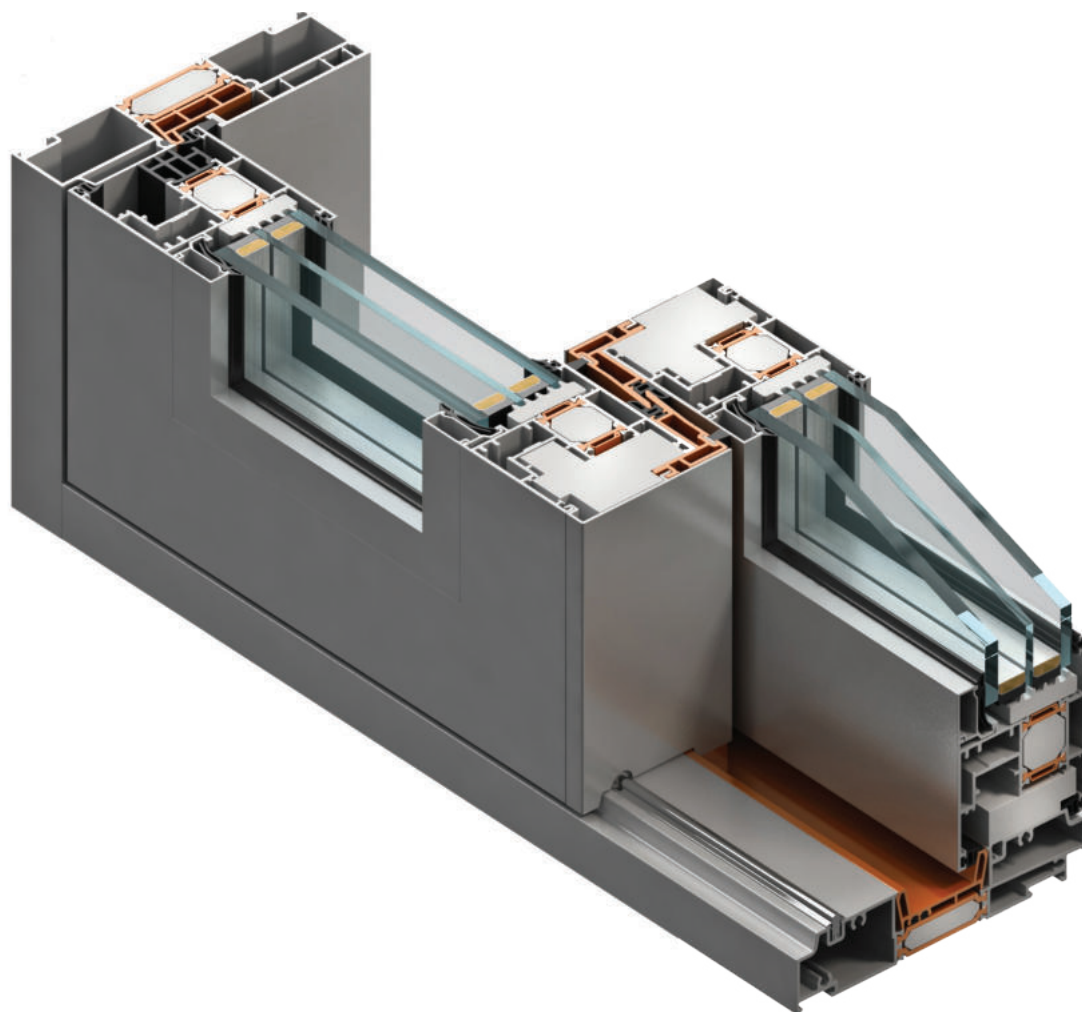


# FEAL



## TERMO 150

PODIZNO-KLIZNA VRATA  
*LIFT & SLIDE DOORS*

Knjiga A / *Book A*

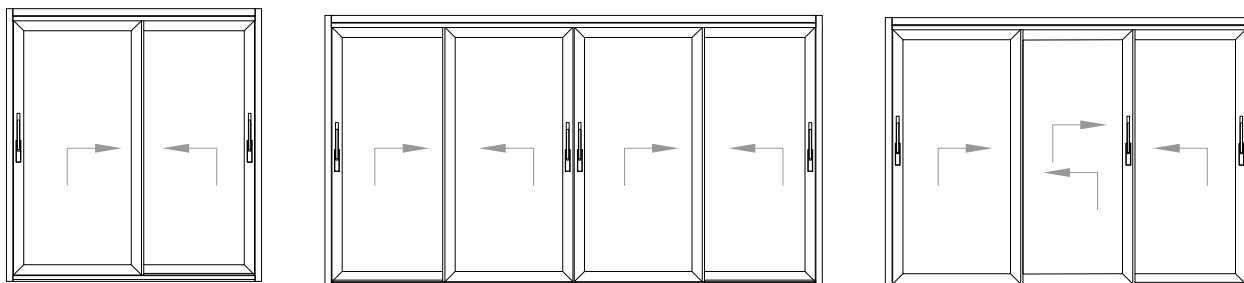


## SADRŽAJ - CONTENT

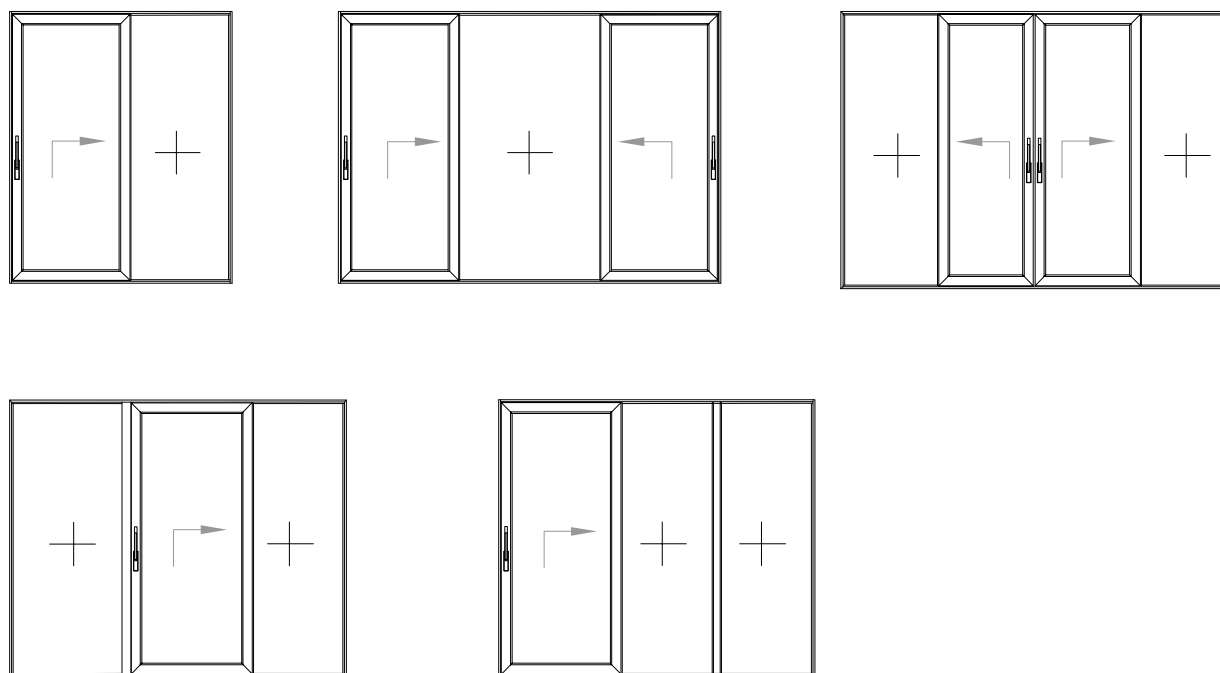
01	ZNAČAJKE SISTEMA	406.01.000
01	SYSTEM CHARACTERISTICS	406.01.000
02	ISPITIVANJA I CERTIFIKATI	406.02.000
02	TESTING AND CERTIFICATES	406.02.000
03	PROFILI	406.03.000
03	PROFILES	406.03.000
04	PRIKAZ STAKLJENJA	406.04.000
04	GLAZING	406.04.000
05	PRESJECI TERMO 150 (podizno klizno)	406.05.000
05	CROSS SECTIONS TERMO 150 (lift and sliding)	406.05.000
05	PRESJECI TERMO 150 plus (podizno klizno s fiksnim dijelom)	406.05.100
05	CROSS SECTIONS 150 plus (lift and sliding with fixed part)	406.05.100

TIPOLOGIJA IZRADE  
 TYPOLOGY OF PRODUCTION

Termo 150



Termo 150 plus

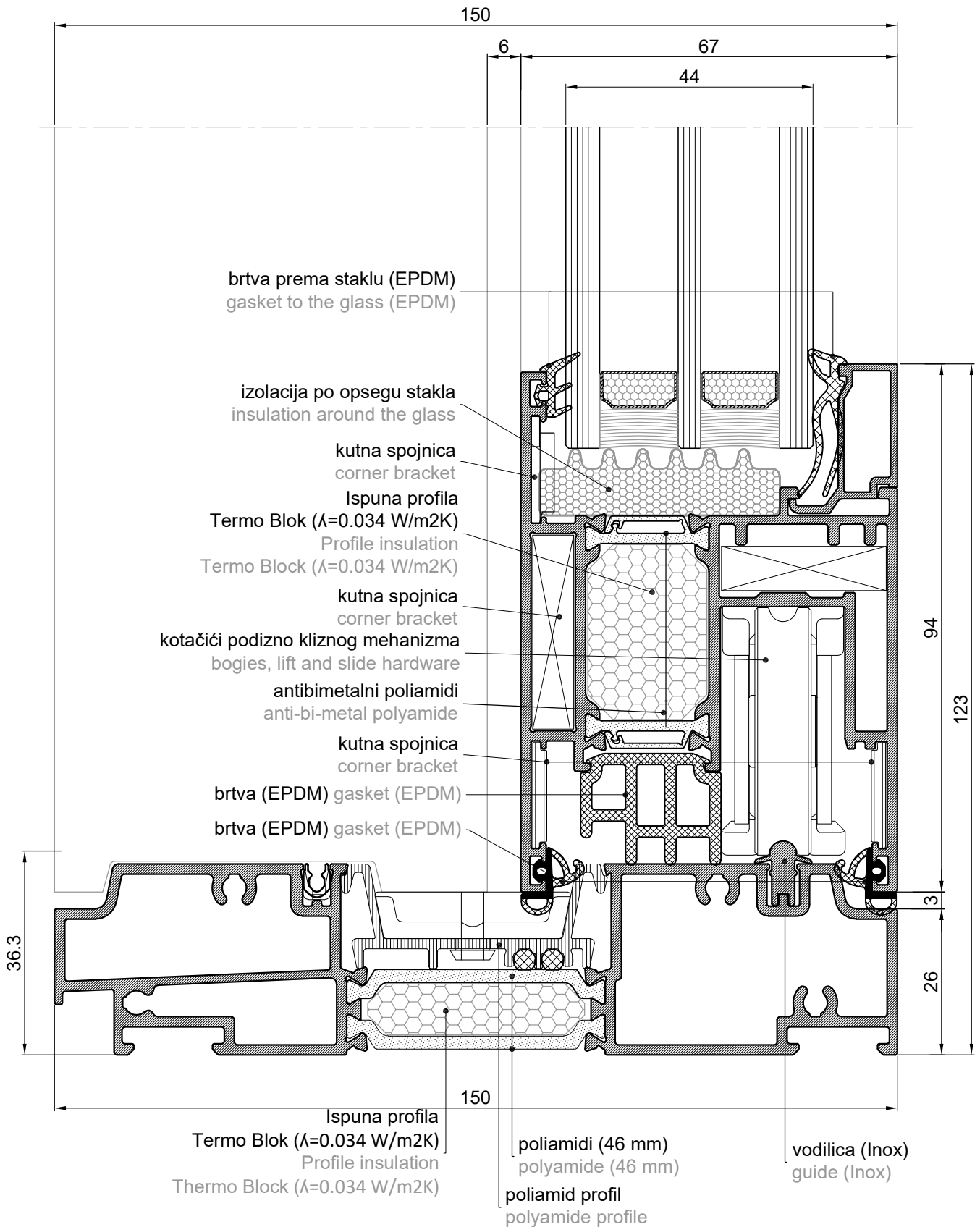


# Značajke sistema

## System characteristics



PODIZNO KLIZNI SISTEM VRATA  
LIFT AND SLIDE DOORS SYSTEM



## OPIS SISTEMA TERMO 150

## DESCRIPTION OF SYSTEM TERMO 150

Sistem Termo 150 koristi se za izradu podizno-kliznih vrata (dvokrilnih, trokrilnih i četverokrilnih). Profili su izvedeni s prekinutim toplinskim mostom osnovne ugradbene dubine rama 150 mm (dvostazno) i 233 mm (trostazno), dubine krila 67 mm te vidljive širine rama 26 mm.

Prekid toplinskog mosta postiže se poliamidnim trakama (46 mm za ram i 22 mm za krilo (antibimetalni)). Radi poboljšanja toplinskih karakteristika (smanjenja toplinske provodljivosti) u komore profila se ugrađuju trake od ekstrudiranog polistirena (XPS-a).

U kombinaciji s troslojnim staklom i odgovarajućim distancerom stakla sistem može postići ukupni koeficijent prolaska topline  $U_d=1$  [W/m<sup>2</sup>K].

Brtvljenje između krila i rama izvedeno je EPDM brtvama.

Staklo je u krilu učvršćeno unutarnjim letvicama te zabrtvljeno EPDM brtvama s obje strane.

Okov je sistemski podizno-klizni.

System Termo 150 is used for the production of lift & slide doors (double-lite, three-lite and four-lite slide door).

Profiles are made with thermal break, basic mounting depth for frame is 150 mm (double-track frame) and 233 mm (triple-track frame), depth on sash is 67 mm with visible frame widths of 26 mm.

Thermal brake is achieved with polyamide tapes (46 mm for frame and 22 mm for sash (anti-bi-metal)).

For improved thermal characteristics (reduction of thermal conductivity) polyester insulation tapes (XPS) are embedded into profile chambers.

In combination with three pane glass and adequate spacer system can reach total thermal transmittance coefficient of  $U_d=1$  [W/m<sup>2</sup>K].

Sealing between frame and sash is done the EPDM gasket.

Glass in sash is fixed with inner profile and sealed with EPDM gaskets on both side.

Hardware (lift-slide) is systemic.

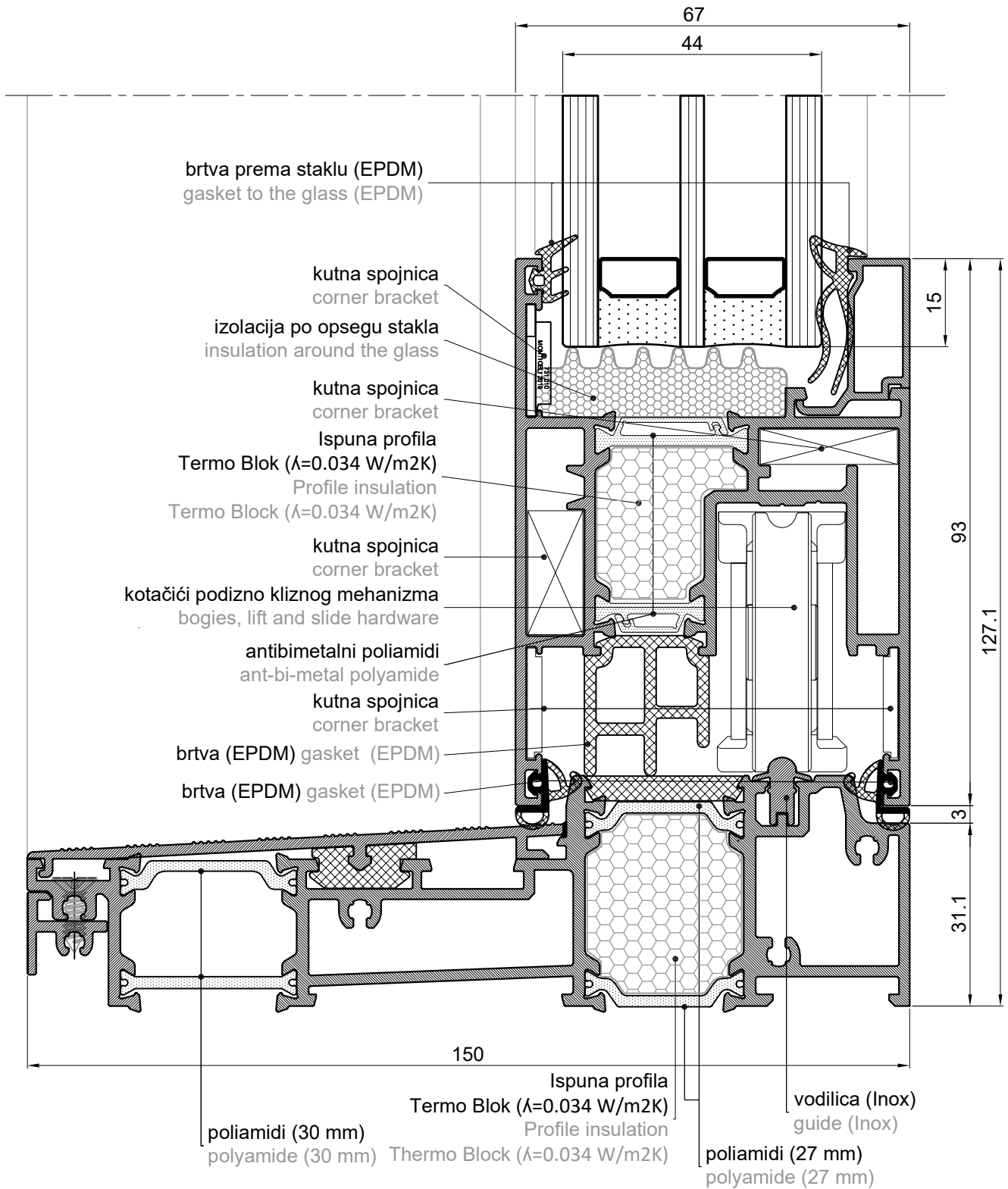
## Karakteristike sistema:

-materijal.....	EN AW-6060
-masa krila.....	do 330 kg
-debljina stakla.....	14-54 mm
-materijal za brtvljenje (EPDM).....	DIN 7863
-zrakopropusnost.....	EN 12207 (klasa 4)
-vodonepropusnost.....	EN 12208 (klasa E1050)
-otpornost na udar vjetra.....	EN 12210 (klasa C4/B4)
-proračun $U_d$ koeficijenta.....	DIN EN ISO 10077-2
-površinska obrada.....	DIN 17611
-kontrola kvalitete.....	DIN EN ISO 9001

## System characteristics:

-material.....	EN AW-6060
-sash weight.....	up to 330 kg
-glass thichness.....	14-54 mm
-material for sealing (EPDM).....	DIN 7863
-air permeability.....	EN 12207 (class 4)
-water tightness.....	EN 12208 (class E1050)
-resistance to wind.....	EN 12210 (class C4/B4)
-calculation of $U_d$ coefficient.....	DIN EN ISO 10077-2
-surface treatment.....	DIN 17611
-quality control.....	DIN EN ISO 9001

PODIZNO KLIZNI SISTEM VRATA SA INTEGRIRANIM FIKSNIM DIJELOM  
LIFT AND SLIDE DOOR SYSTEM WITH THE INTEGRATED FIXED PART



OPIS SISTEMA TERMO 150 plus  
DESCRIPTION OF SYSTEM TERMO 150 plus

Sistem Termo 150 plus koristi se za izradu podizno-kliznih vrata ( jedno krilo podizno klizno+fiksno, dva srednja krila podizno klizna bokovi fiksni i srednje krilo podizno klizno a bokovi fiksni).

Profili su izvedeni s prekinutim toplinskim mostom osnovne ugradbene dubine rama 150 mm, dubine krila 67 mm te vidljive širine rama 32 mm.

Prekid toplinskog mosta postiže se poliamidnim trakama (30 i 27 mm za ram i 26 i 18.6 mm za krilo (antibimetalni)).

Radi poboljšanja toplinskih karakteristika (smanjenja toplinske provodljivosti) u komore profila se ugrađuju trake od ekstrudiranog polistirena (XPS-a).

U kombinaciji s troslojnim staklom i odgovarajućim distancerom stakla sistem može postići ukupni koeficijent prolaska topline  $U_d=1$  [W/m<sup>2</sup>K].

Brtvljenje između krila i rama izvedeno je EPDM brtvama.

Staklo je u krilu učvršćeno unutarnjim letvicama te zabrtvljeno EPDM brtvama s obje strane.

Okov je sistemski podizno-klizni.

System Termo 150 plus is used for the production lift & slide doors (single sash lift & slide+fixed, double central sashes lift & slide with side profile fixed and central sash is lift & slide and side profile fixed). Profiles are made with thermal break, basic mounting depth for frame is 150 mm, depth on sash is 67 mm with visible frame width of 32 mm.

Thermal brake is achieved with polyamide tapes (30 i 27 mm for frame and 26 i 18.6 mm for sash (anti-bi-metal)).

For improved thermal characteristics (reduction of thermal conductivity) polyester insulation tapes (XPS) are embedded into profile chambers.

In combination with three pane glass and adequate spacer system can reach total thermal transmittance coefficient of  $U_d=1$  [W/m<sup>2</sup>K].

Sealing between frame and sash is done the EPDM gasket.

Glass in sash is fixed with inner profile and sealed with EPDM gasket on both sides

Hardware (lift-slide) is systemic.

Karakteristike sistema:

-materijal.....	EN AW-6060
-masa krila.....	do 330 kg
-debljina stakla.....	14-54 mm
-materijal za brtvljenje (EPDM).....	DIN 7863
-zrakopropusnost.....	EN 12207 (klasa 4)
-vodonepropusnost.....	EN 12208 (klasa E1050)
-otpornost na udar vjetra.....	EN 12210 (klasa C4/B4)
-proračun $U_d$ koeficijenta.....	DIN EN ISO 10077-2
-površinska obrada.....	DIN 17611
-kontrola kvalitete.....	DIN EN ISO 9001

System characteristics:

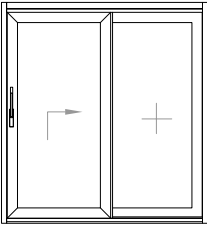
-material.....	EN AW-6060
-sash weight.....	up to 330 kg
- glass thickness.....	14-54 mm
-material for sealing (EPDM).....	DIN 7863
-air permeability.....	EN 12207 (klasa 4)
-water tightness .....	EN 12208 (klasa E1050)
-resistance to wind.....	EN 12210 (klasa C4/B4)
-calculation of $U_d$ coefficient.....	DIN EN ISO 10077-2
-surface treatment.....	DIN 17611
-control quality.....	DIN EN ISO 9001

# Ispitivanja i certifikati

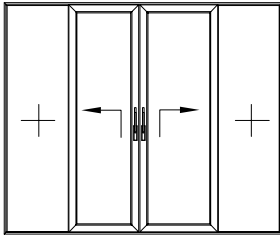
## Testing and certificates



ISPITIVANJA I CERTIFIKATI U TERMO 150  
 TESTING AND CERTIFICATES IN TERMO 150

Vrsta ispitivanja Type testing	
<b>Zrakopropusnost</b> Air permeability (EN12207)	Class <b>4</b>
<b>Vodonepropusnost</b> Watertightness (EN 12208)	Class <b>E1050</b>
<b>Otpornost na vjetar</b> Resistance to wind (EN 12210)	Class <b>C4/B4</b>
<b>Protuprovalnost</b> Protection against burglary (EN 1627)	<b>RC2</b>

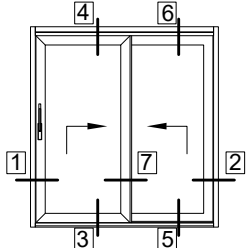
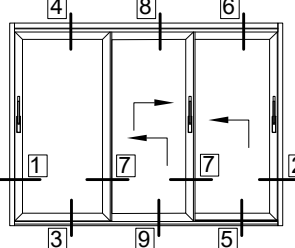
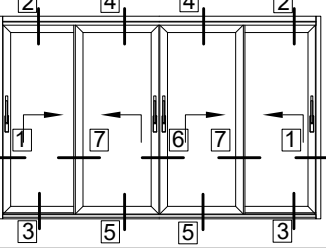
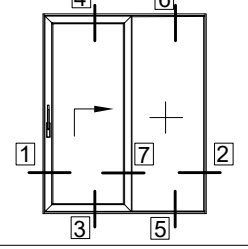
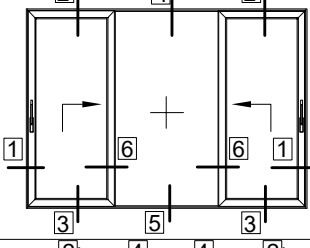
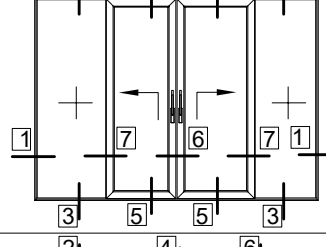
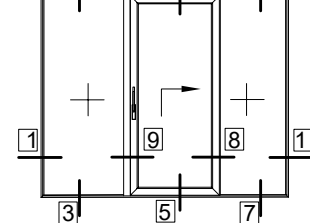
 ISPITIVANJA I CERTIFIKATI U TERMO 150 plus  
 TESTING AND CERTIFICATES IN TERMO 150 plus

Vrsta ispitivanja Type testing	
<b>Zrakopropusnost</b> Air permeability (EN12207)	Class <b>4</b>
<b>Vodonepropusnost</b> Watertightness (EN 12208)	Class <b>E750</b>
<b>Otpornost na vjetar</b> Resistance to wind (EN 12210)	Class <b>C2/B3</b>
<b>Sila otvaranja</b> Operating forces according to (EN 13115:2020-08)	Class <b>1</b>

 Tablica 1. Usporedba klasa, tlaka i brzine vjetra  
 Table 1. Comparison class, wind pressure and wind speed

Klasa prema EN 12208 Classe acc. to EN 12208	1A	2A	3A	4A	5A	6A	7A	8A	9A	E750	E900	E1050	E1200	E1350	E1500	E1650	E1800	E1950
Pa	0	50	100	150	200	250	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950
m/s	0	8.8	12.5	15.2	17.6	19.7	21.5	26.4	30.5	34.1	37.3	40.3	43.1	45.7	48.2	50.5	52.8	54.9
km/h	0	31.7	44.8	54.9	63.4	70.9	77.6	95	109.7	122.7	134.4	145.1	155.1	164.6	173.5	181.9	190	197.8

#### TOPLINSKI IZRAČUNI THERMAL CALCULATION

		Uf1 [W/m <sup>2</sup> K]	Uf2 [W/m <sup>2</sup> K]	Uf3 [W/m <sup>2</sup> K]	Uf4 [W/m <sup>2</sup> K]	Uf5 [W/m <sup>2</sup> K]	Uf6 [W/m <sup>2</sup> K]	Uf7 [W/m <sup>2</sup> K]	Uf8 [W/m <sup>2</sup> K]	Uf9 [W/m <sup>2</sup> K]	Ug [W/m <sup>2</sup> K]	Ud [W/m <sup>2</sup> K] >
	TERMO 150	2.4	2.7	2.5	2.7	2.9	2.8	2.8			0.7 0.6	1.2 1.2
	TERMO 150	2.4	2.7	2.5	2.7	2.7	2.8	2.8	2.2	2.2	0.7 0.6	1.2 1.1
	TERMO 150	2.7	2.8	2.9	2.7	2.5	2.2	2.8			0.7 0.6	1.3 1.2
	TERMO 150 plus	2.2	1.7	2.2	2.6	1.6	1.6	3.0			0.7 0.6	1.1 1.0
	TERMO 150 plus	2.2	2.6	2.2	2.6	1.6	1.6	3.0			0.7 0.6	1.1 1.0
	TERMO 150 plus	1.7	1.6	1.6	2.6	2.2	2.2	3.0			0.7 0.6	1.1 1.1
	TERMO 150 plus	1.7	1.6	1.7	2.6	2.2	1.6	1.6	3.0	3.0	0.7 0.6	1.1 1.0

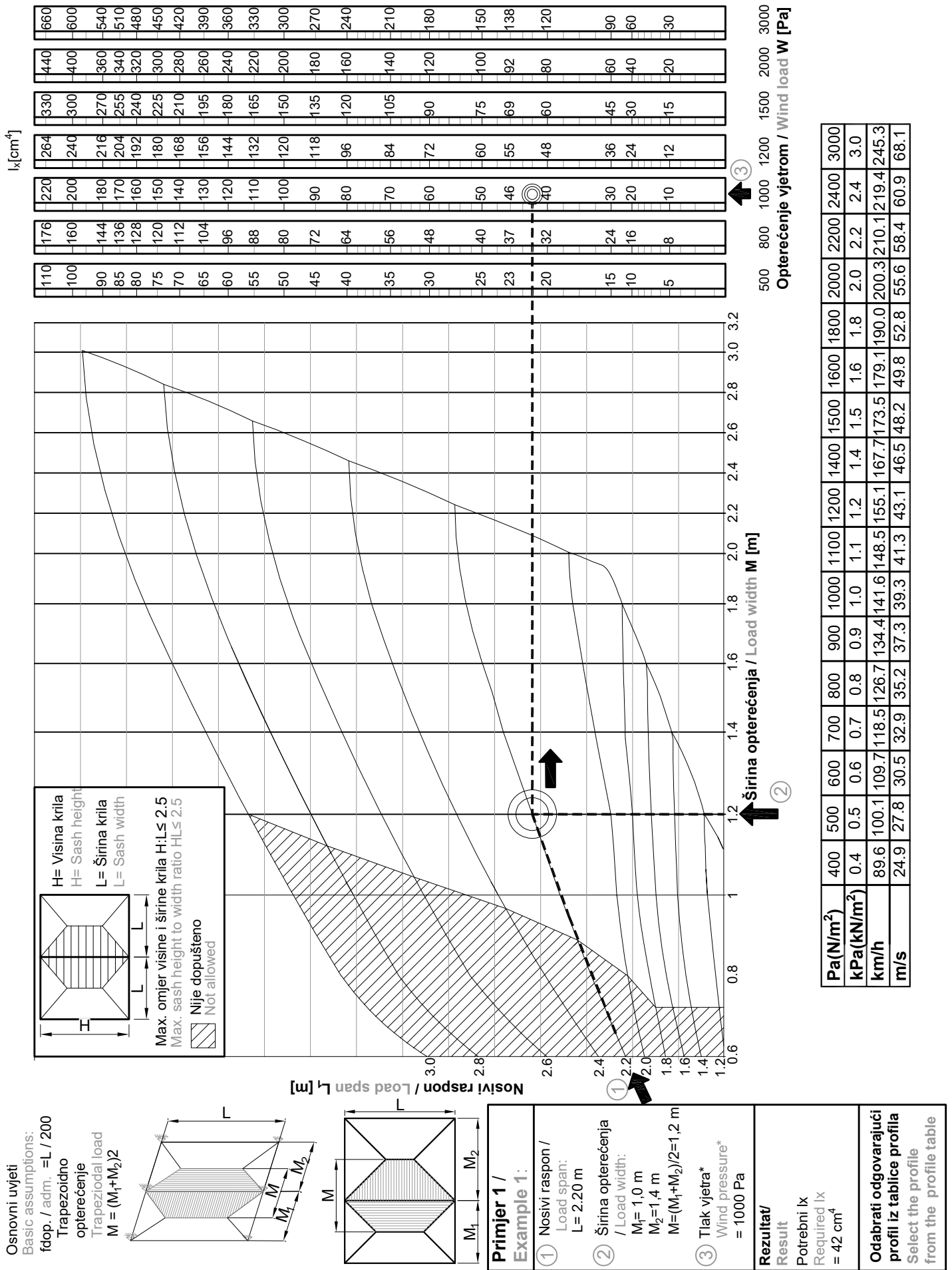
Proračun koeficijenta prolaza topline  
Calculation of thermal transmittance

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



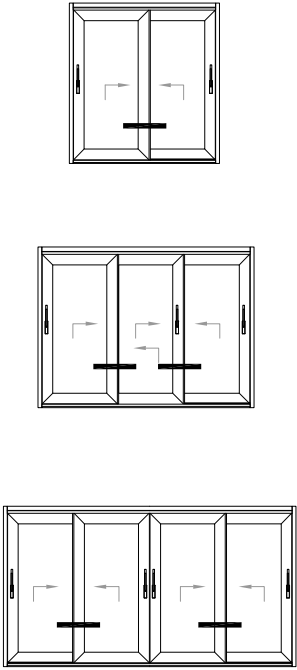
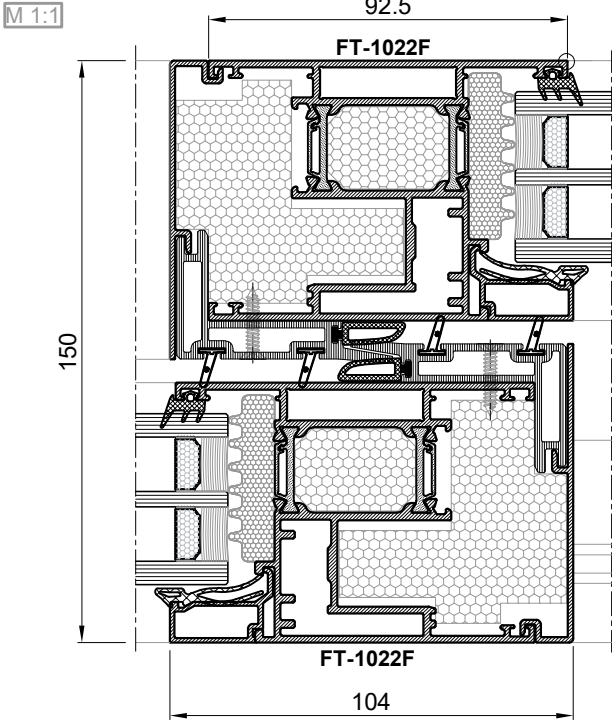
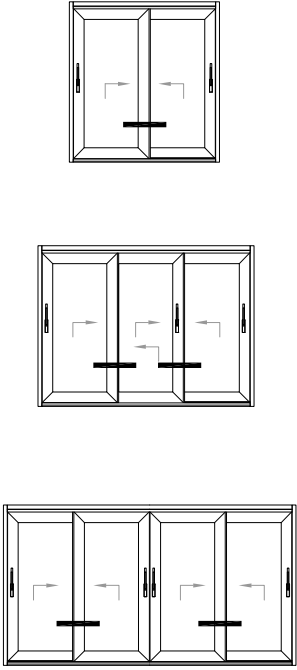
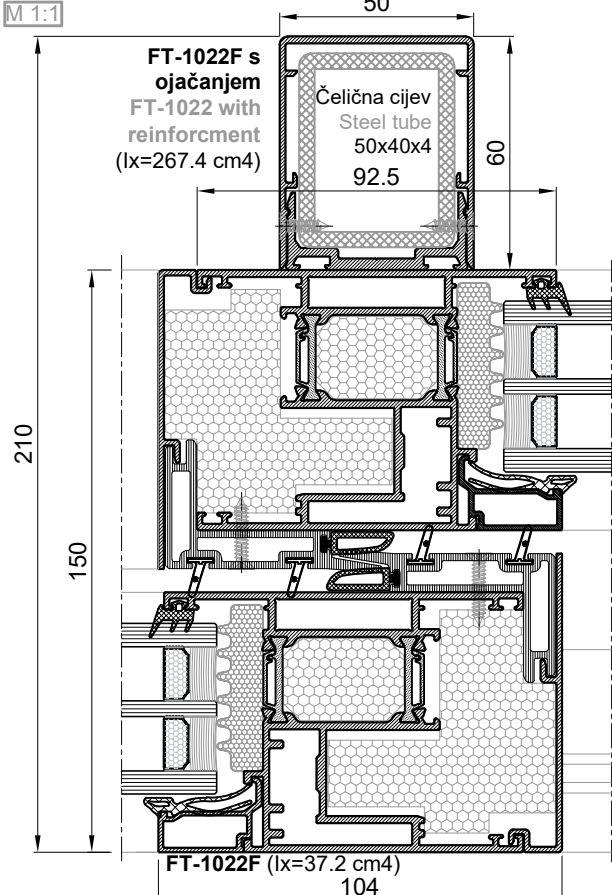
### Statički dijagram - opterećenje vjetrom / Structural diagram of wind load

Trokutasto i trapezoidno opterećenje / Triangular and trapezoidal load



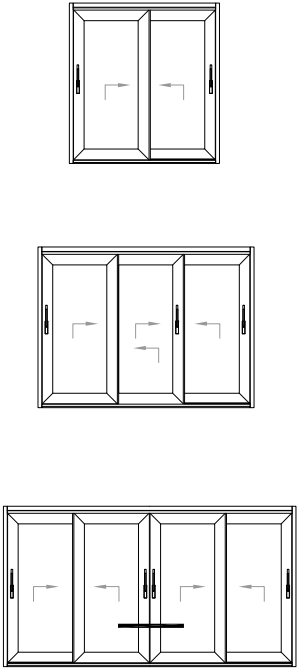
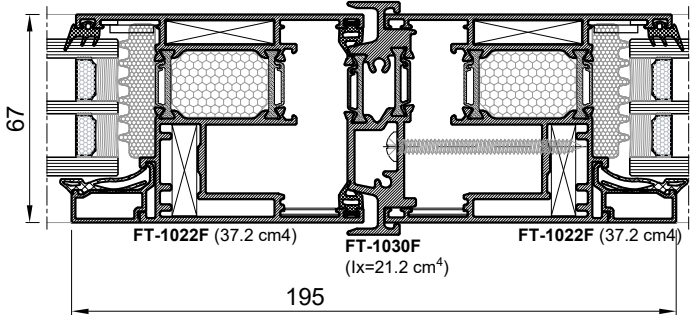
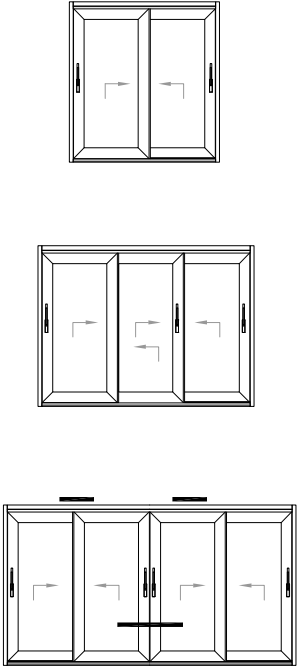
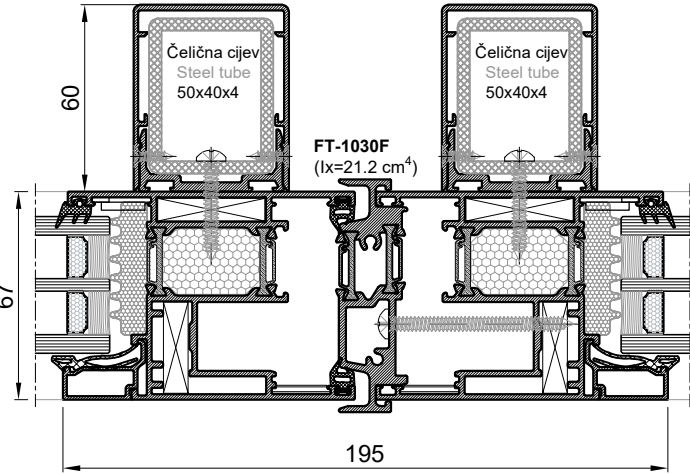
#### Vrijednosti momenta inercije

Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili Profiles	$I_x$ (cm <sup>4</sup> )
	 <p>M 1:1</p> <p>92.5</p> <p>FT-1022F</p> <p>150</p> <p>FT-1022F</p> <p>104</p>	<p>FT-1022F i FT-1022F</p>	<p>74.4</p>
	 <p>M 1:1</p> <p>50</p> <p>FT-1022F s ojačanjem FT-1022 with reinforcement (<math>I_x=267.4</math> cm<sup>4</sup>)</p> <p>Čelična cijev Steel tube 50x40x4 92.5</p> <p>60</p> <p>210</p> <p>150</p> <p>FT-1022F (<math>I_x=37.2</math> cm<sup>4</sup>)</p> <p>104</p>	<p>FT-1022 (ojačanje) i FT1022</p>	<p>304,8</p>

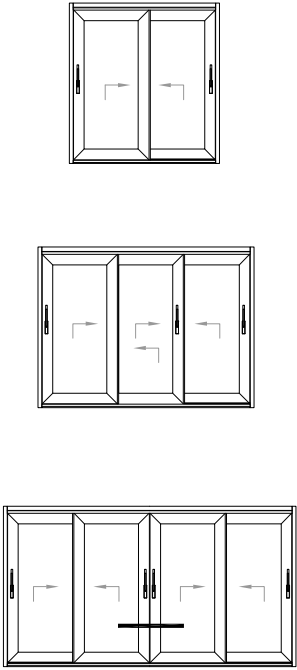
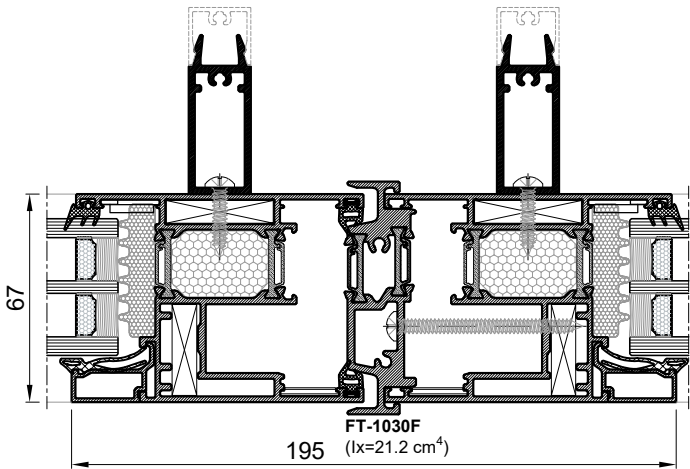
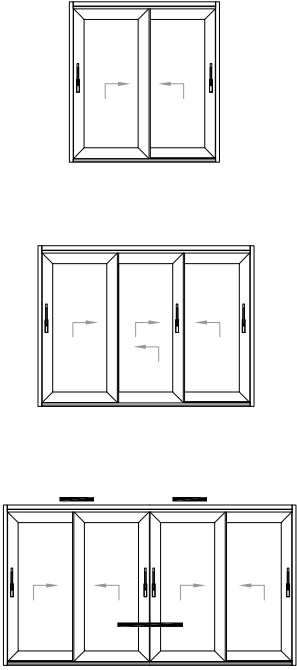
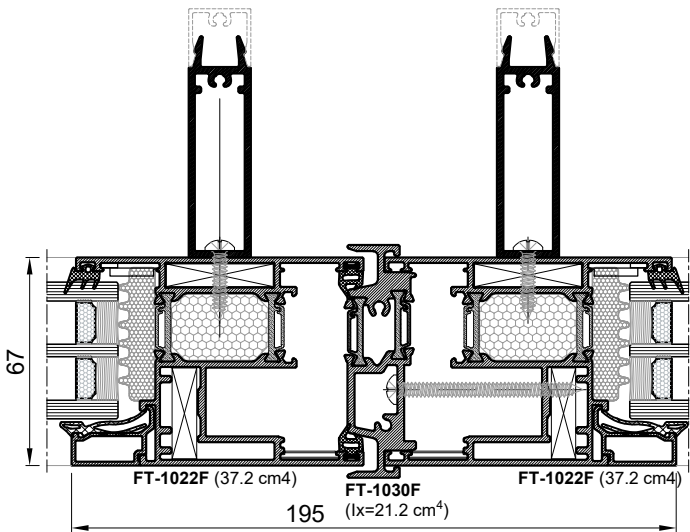
#### Vrijednosti momenta inercije

Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili Profiles	Ix (cm <sup>4</sup> )
	<p>M 1:1</p> 	<p>FT-1022F i FT-1022F + (FT-1030)</p>	<p>95,6</p>
	<p>M 1:1</p> <p>FT-1022F s ojačanjem FT-1022 with reinforcment (Ix=267.4 cm<sup>4</sup>)</p> <p>FT-1022F s ojačanjem FT-1022 with reinforcment (Ix=267.4 cm<sup>4</sup>)</p> 	<p>FT-1022 (ojačanje) i FT1022 (ojačanje) + FT-1030</p>	<p>556</p>

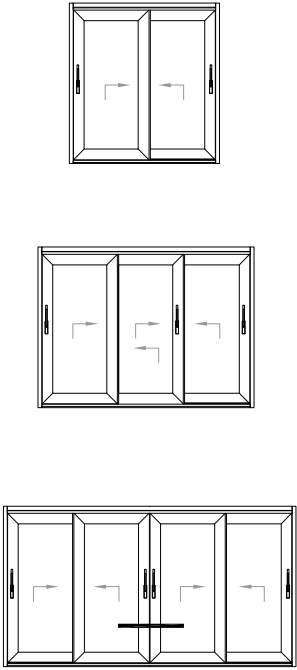
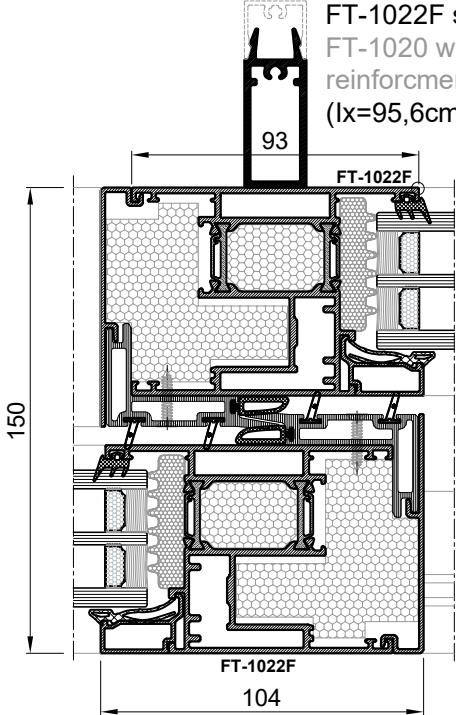
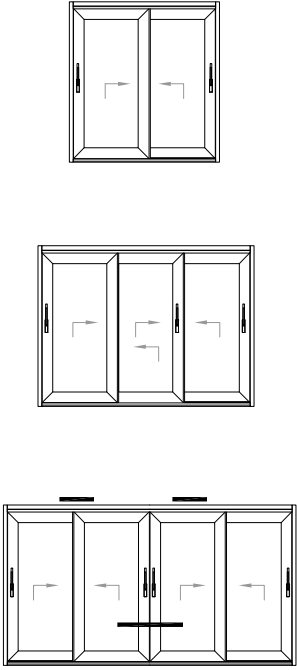
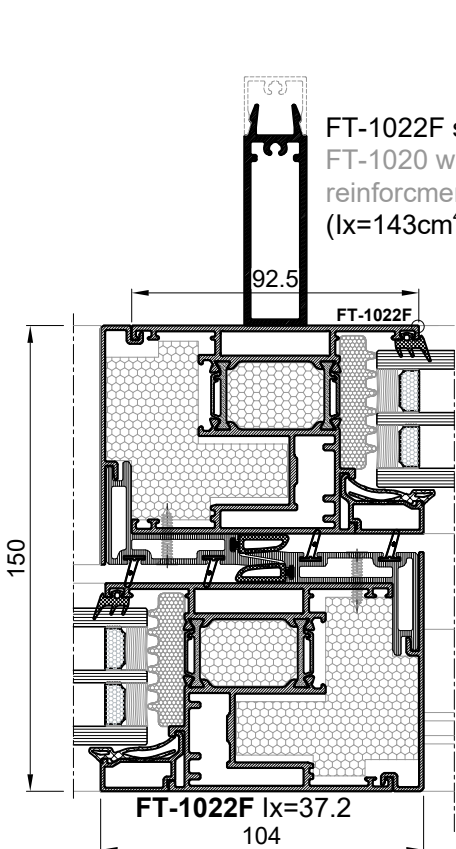
#### Vrijednosti momenta inercije

Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili Profiles	I <sub>x</sub> (cm <sup>4</sup> )
	<p>M 1:1</p> <p>FT-1022F s ojačanjem FT-1020 with reinforcement (I<sub>x</sub>=95,6cm<sup>4</sup>)</p> <p>FT-1022F s ojačanjem FT-1020 with reinforcement (I<sub>x</sub>=95,6cm<sup>4</sup>)</p>  <p>67</p> <p>195</p> <p>FT-1030F (I<sub>x</sub>=21.2 cm<sup>4</sup>)</p>	<p>FT-1022F + F-1634 i FT-1022F + F-1634 + (FT-1030)</p>	<p>212,5</p>
	<p>M 1:1</p> <p>FT-1022F s ojačanjem FT-1020 with reinforcement (I<sub>x</sub>=143cm<sup>4</sup>)</p> <p>FT-1022F s ojačanjem FT-1020 with reinforcement (I<sub>x</sub>=143cm<sup>4</sup>)</p>  <p>67</p> <p>195</p> <p>FT-1022F (37.2 cm<sup>4</sup>)</p> <p>FT-1030F (I<sub>x</sub>=21.2 cm<sup>4</sup>)</p> <p>FT-1022F (37.2 cm<sup>4</sup>)</p>	<p>FT-1022F + NP-4183 i FT-1022F + NP-4183 + (FT-1030)</p>	<p>307,2</p>

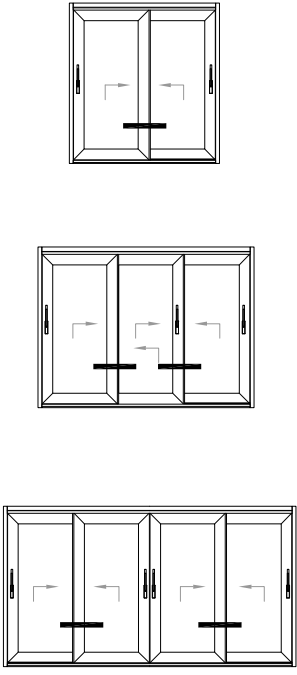
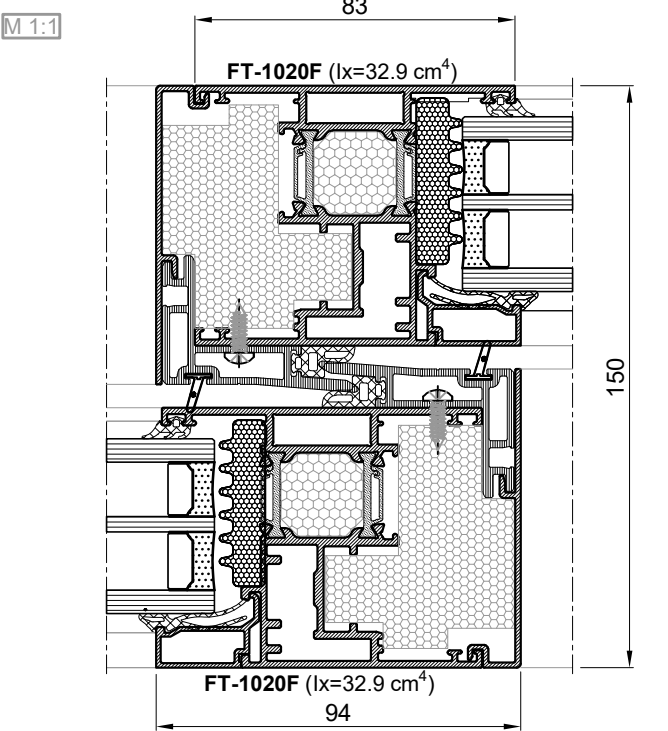
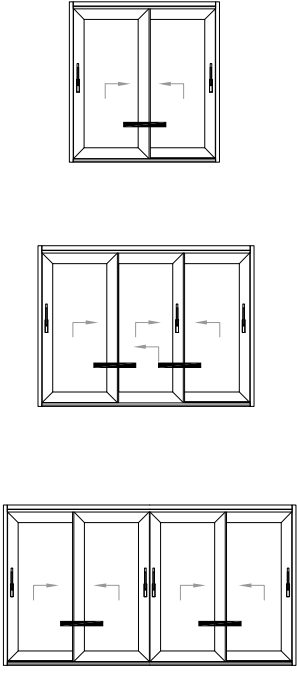
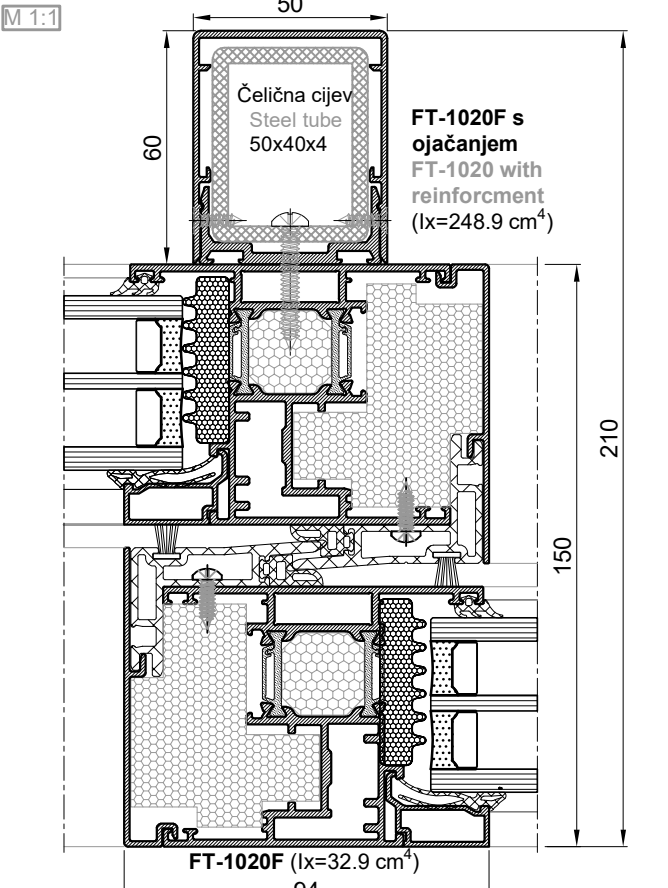
#### Vrijednosti momenta inercije

Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili Profiles	Ix (cm <sup>4</sup> )
	<p>M 1:1</p>  <p>FT-1022F s ojačanjem FT-1020 with reinforcement (Ix=95,6cm<sup>4</sup>)</p> <p>93</p> <p>FT-1022F</p> <p>150</p> <p>FT-1022F</p> <p>104</p>	<p>FT-1022F + F-1634 i FT-1022F</p>	<p>132,8</p>
	<p>M 1:1</p>  <p>FT-1022F s ojačanjem FT-1020 with reinforcement (Ix=143cm<sup>4</sup>)</p> <p>92.5</p> <p>FT-1022F</p> <p>150</p> <p>FT-1022F Ix=37.2</p> <p>104</p>	<p>FT-1022 + NP-4138 i FT1022</p>	<p>180</p>

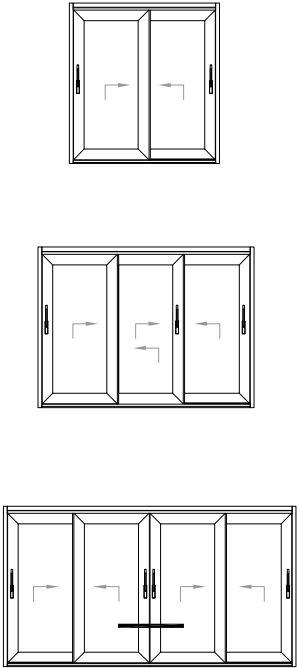
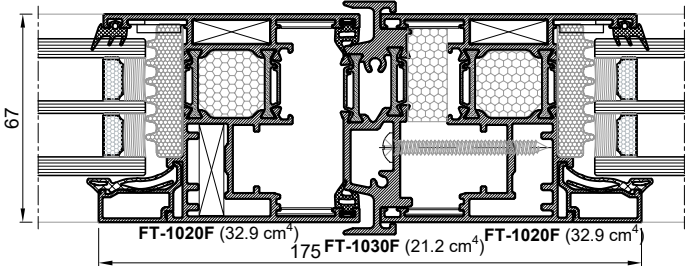
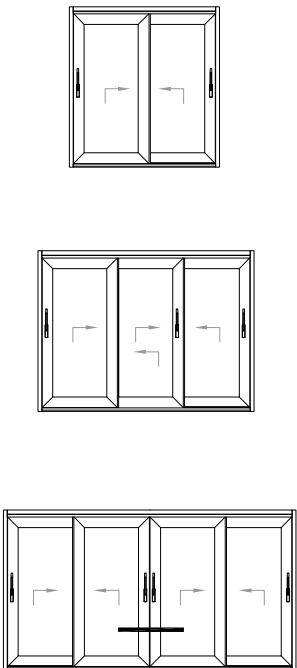
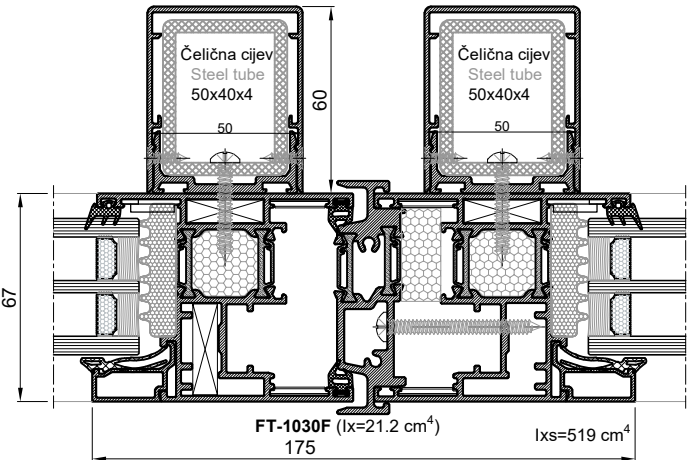
#### Vrijednosti momenta inercije

Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili Profiles	$I_x$ (cm <sup>4</sup> )
		<p>FT-1020F i FT-1020F</p>	<p>65.8</p>
		<p>FT1020 (ojačanje) i FT-1020</p>	<p>282.6</p>

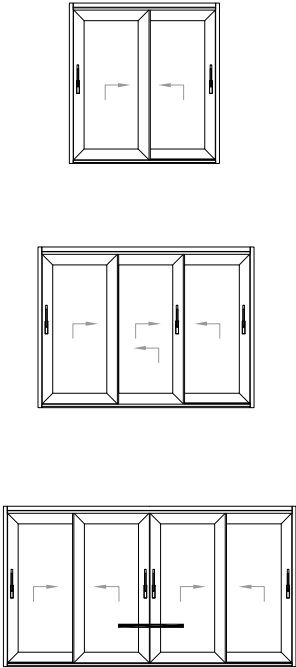
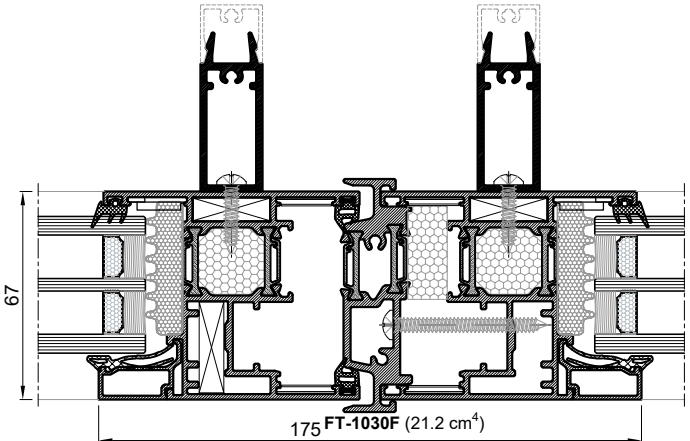
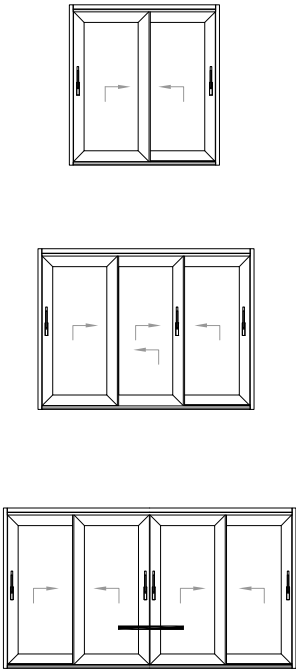
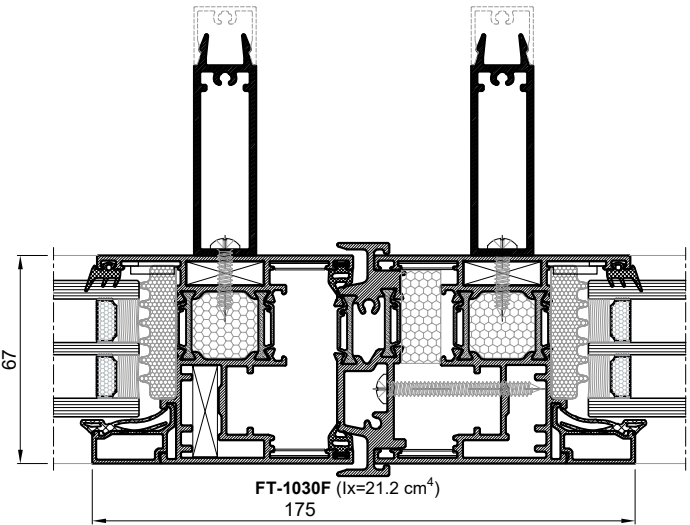
#### Vrijednosti momenta inercije

Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili Profiles	I <sub>x</sub> (cm <sup>4</sup> )
	<p>M 1:1</p>  <p>FT-1020F (32.9 cm<sup>4</sup>) 175 FT-1030F (21.2 cm<sup>4</sup>) FT-1020F (32.9 cm<sup>4</sup>)</p>	<p>FT-1020F i FT-1020F + (FT-1030)</p>	<p>87</p>
	<p>M 1:1</p> <p>FT-1020F s ojačanjem FT-1020 with reinforcement (I<sub>x</sub>=248.9 cm<sup>4</sup>) FT-1020F s ojačanjem FT-1020 with reinforcement (I<sub>x</sub>=248.9 cm<sup>4</sup>)</p>  <p>Čelična cijev Steel tube 50x40x4 60 50 50</p> <p>FT-1030F (I<sub>x</sub>=21.2 cm<sup>4</sup>) 175 I<sub>xs</sub>=519 cm<sup>4</sup></p>	<p>FT-1020 (ojačanje) i FT1020 (ojačanje) + FT-1030</p>	<p>519</p>

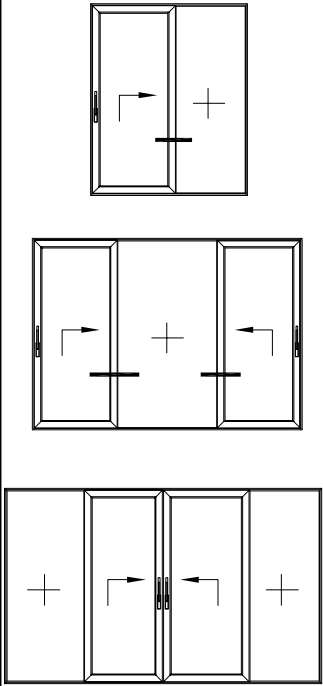
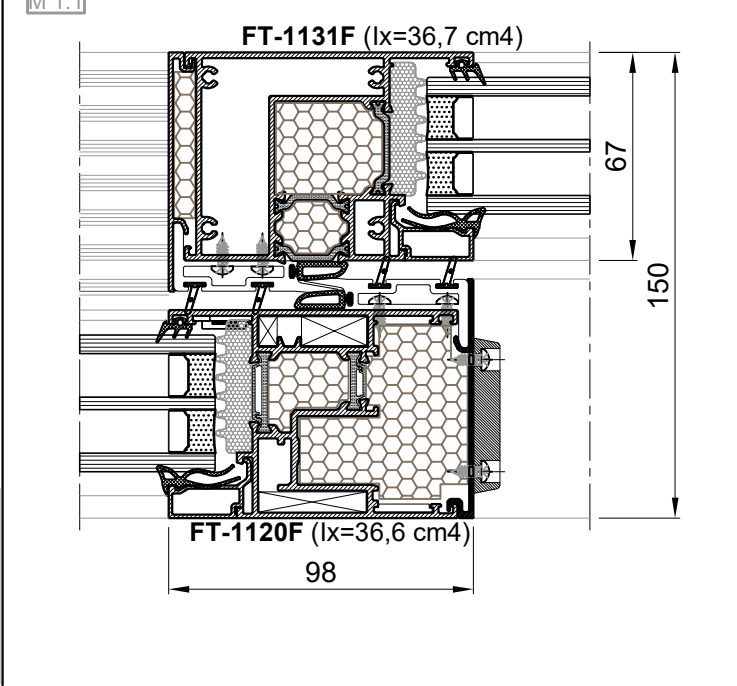
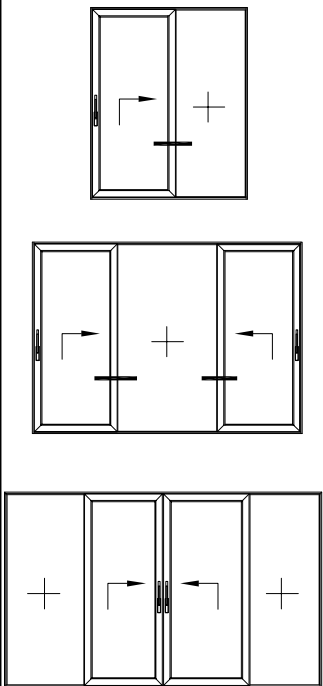
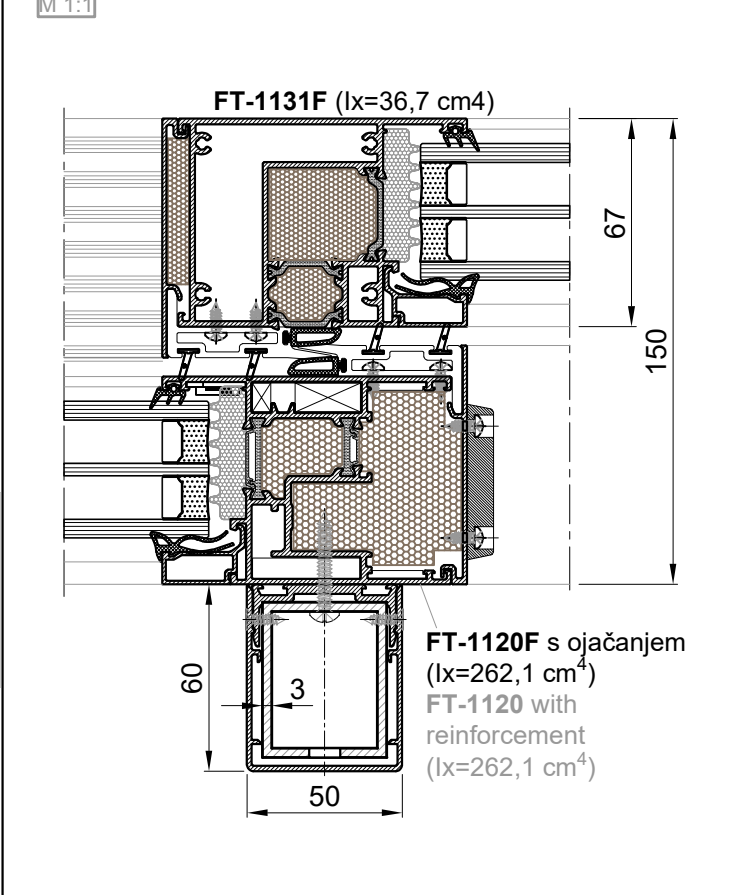
#### Vrijednosti momenta inercije

Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili Profiles	Ix (cm <sup>4</sup> )
	<p><b>M 1:1</b></p> <p>FT-1020F s ojačanjem FT-1020 with reinforcement (Ix=89,4cm<sup>4</sup>)</p> <p>FT-1020F s ojačanjem FT-1020 with reinforcement (Ix=89,4cm<sup>4</sup>)</p>  <p>67</p> <p>175 FT-1030F (21.2 cm<sup>4</sup>)</p>	<p>FT-1020F + F-1634 i FT-1020F + F1634 + (FT-1030)</p>	<p>200</p>
	<p><b>M 1:1</b></p> <p>FT-1020F s ojačanjem FT-1020 with reinforcement (Ix=134,8cm<sup>4</sup>)</p> <p>FT-1020F s ojačanjem FT-1020 with reinforcement (Ix=134,8cm<sup>4</sup>)</p>  <p>67</p> <p>FT-1030F (Ix=21.2 cm<sup>4</sup>) 175</p>	<p>FT-1020F + NP-4183 i FT-1020F + NP-4183 + (FT-1030)</p>	<p>291</p>

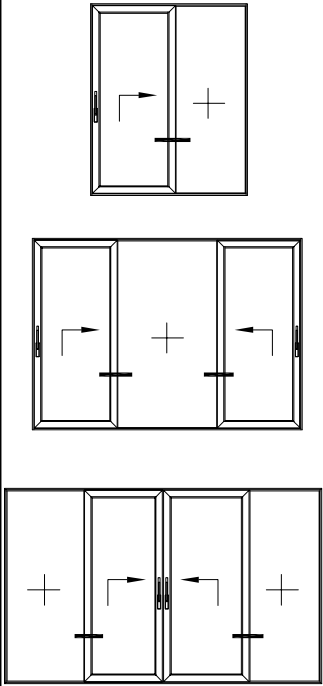
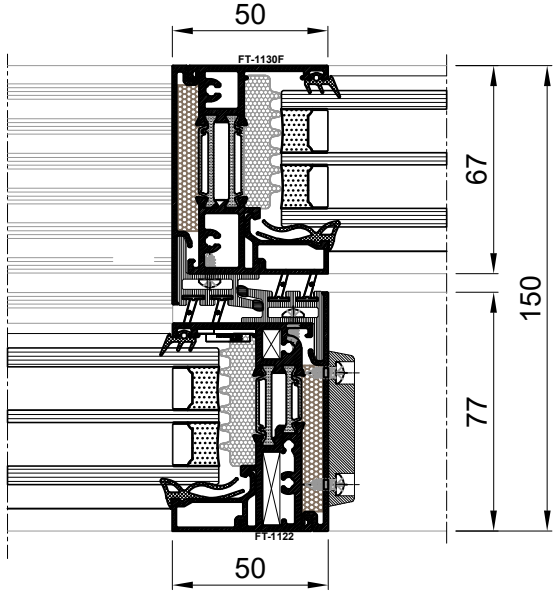
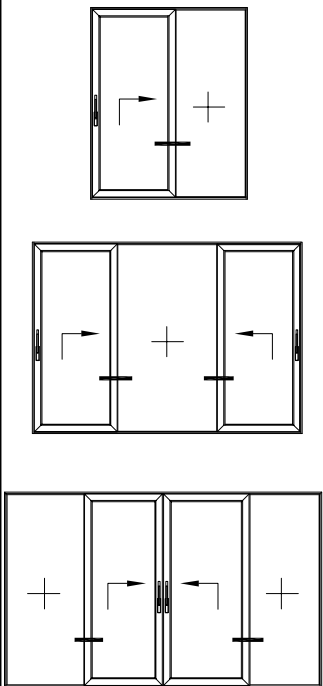
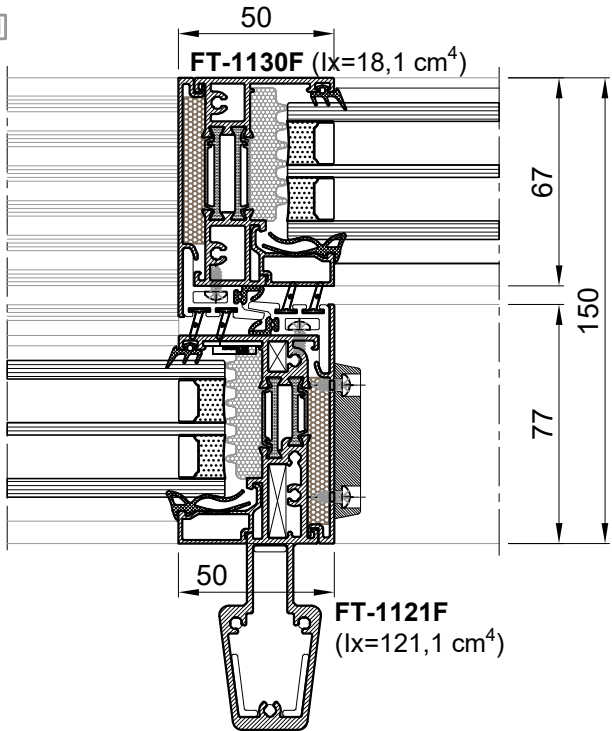
#### Vrijednosti momenta inercije

Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili Profiles	I <sub>x</sub> (cm <sup>4</sup> )
	<p>M 1:1</p>  <p>FT-1131F (I<sub>x</sub>=36,7 cm<sup>4</sup>)</p> <p>FT-1120F (I<sub>x</sub>=36,6 cm<sup>4</sup>)</p>	<p>FT-1131F i FT-1120F</p>	<p>73,4</p>
	<p>M 1:1</p>  <p>FT-1131F (I<sub>x</sub>=36,7 cm<sup>4</sup>)</p> <p>FT-1120F s ojačanjem (I<sub>x</sub>=262,1 cm<sup>4</sup>) FT-1120 with reinforcement (I<sub>x</sub>=262,1 cm<sup>4</sup>)</p>	<p>FT-1131 i FT1120 (ojačanje)</p>	<p>300,8</p>

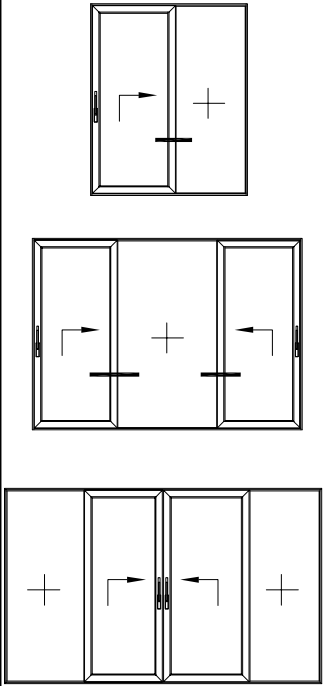
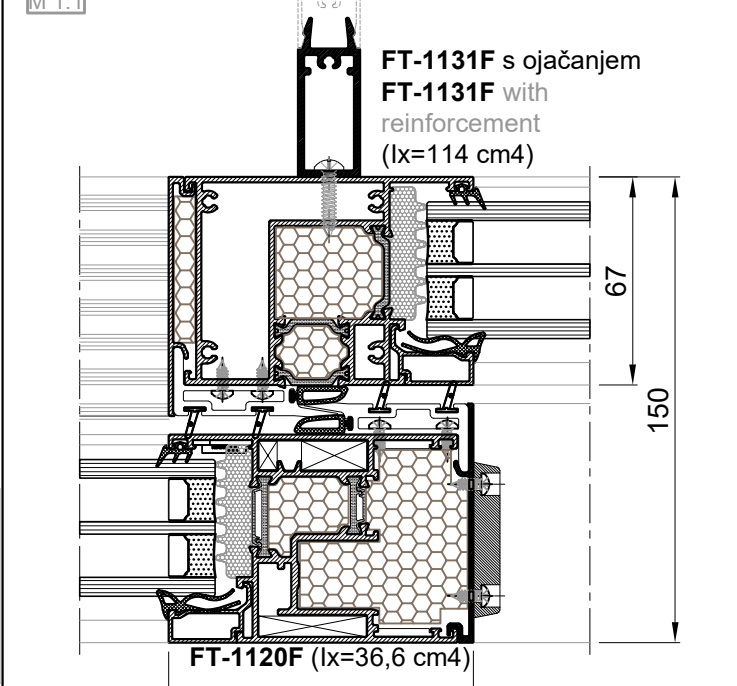
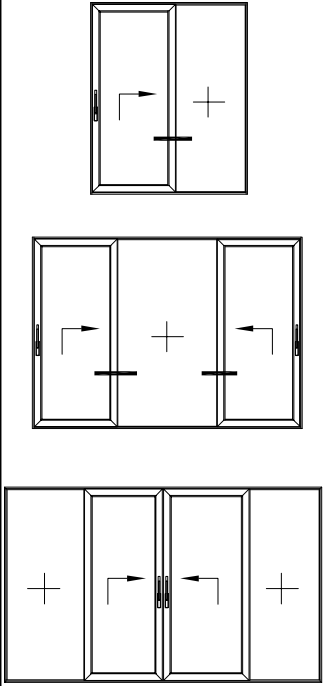
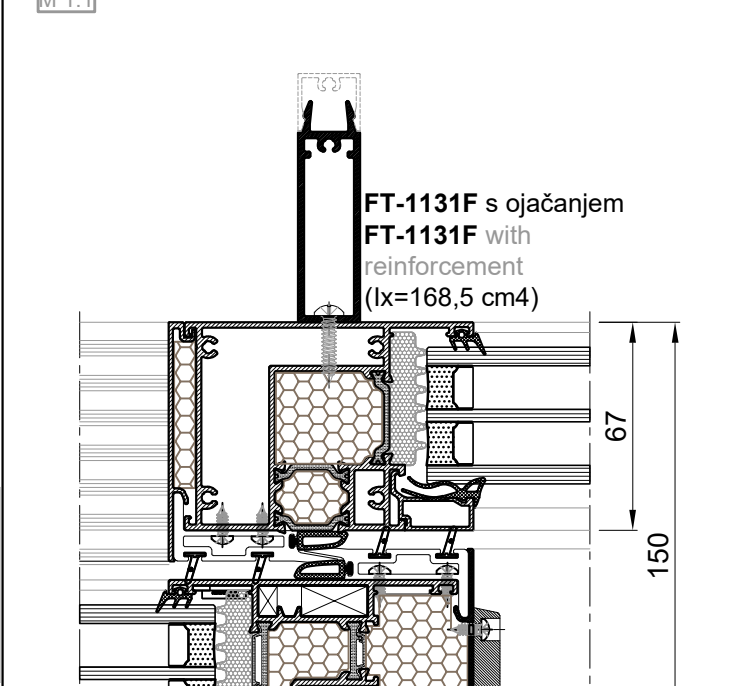
#### Vrijednosti momenta inercije

Moment of inertia values

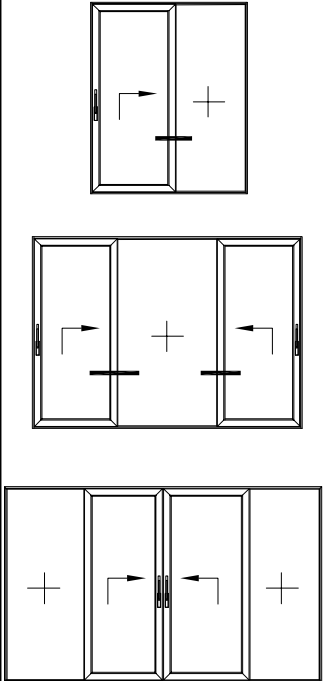
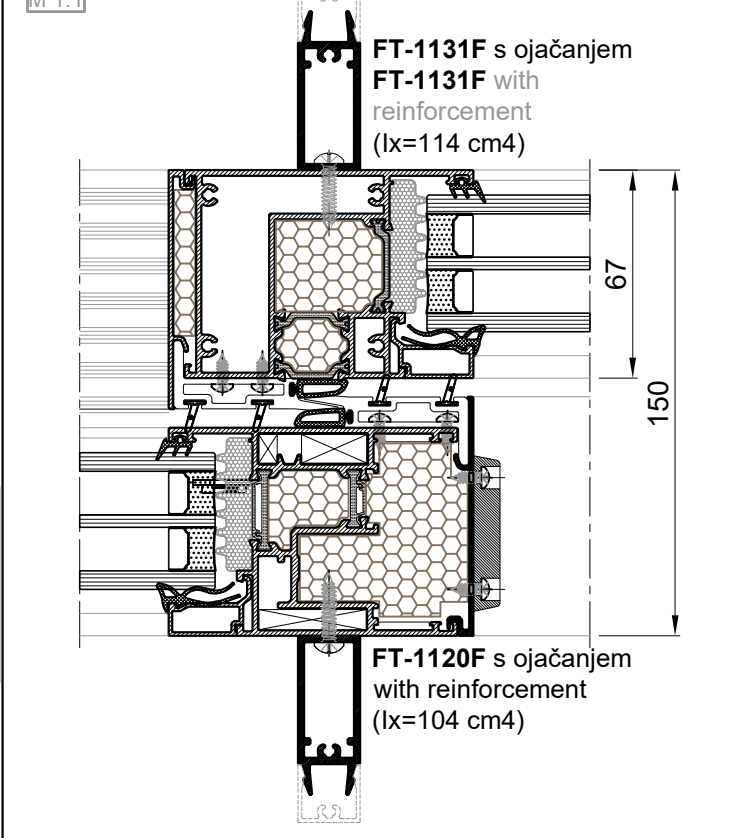
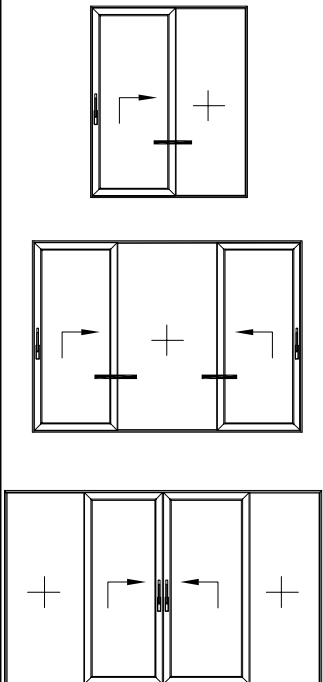
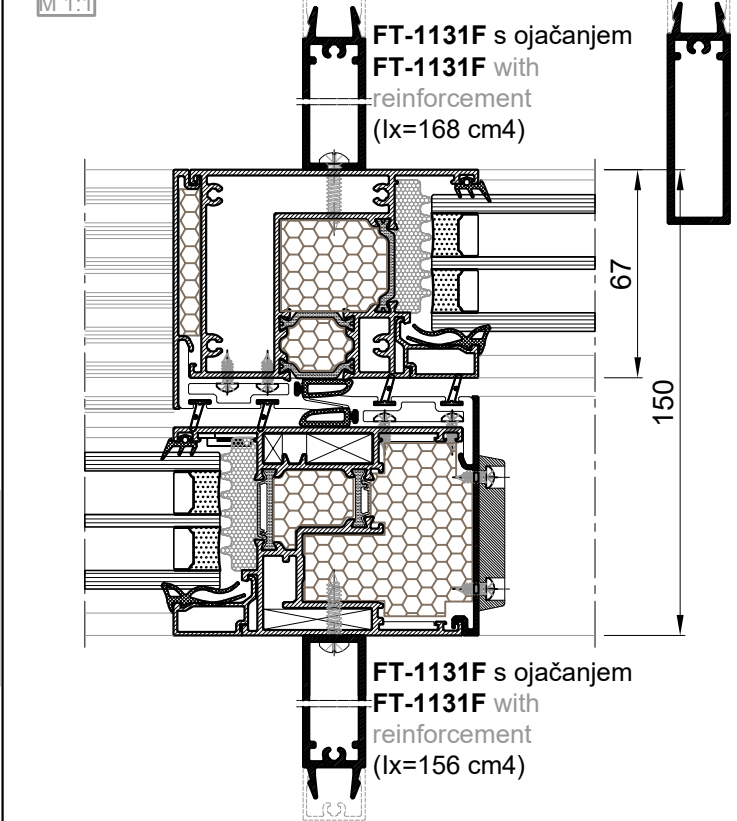
Tip otvaranja Opening type	Izgled View	Profili Profiles	Ix (cm <sup>4</sup> )
		<p>FT-1130F i FT-1122F</p>	<p>37</p>
	<p>M 1:1</p> 	<p>FT-1130F i FT-1121F</p>	<p>139.2</p>

#### Vrijednosti momenta inercije

Moment of inertia values

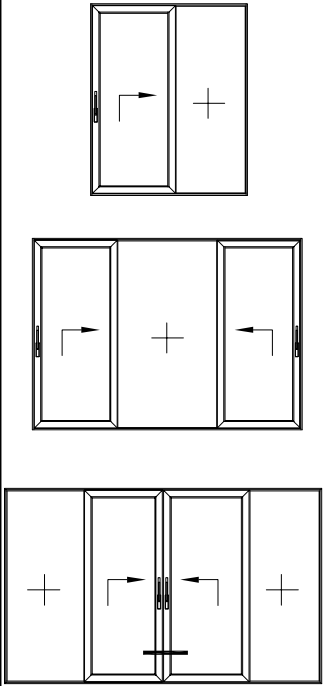
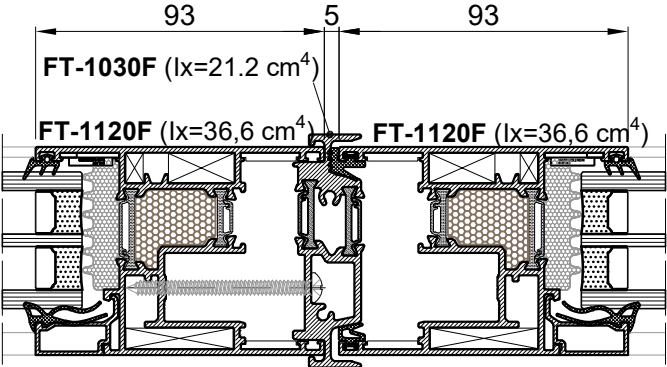
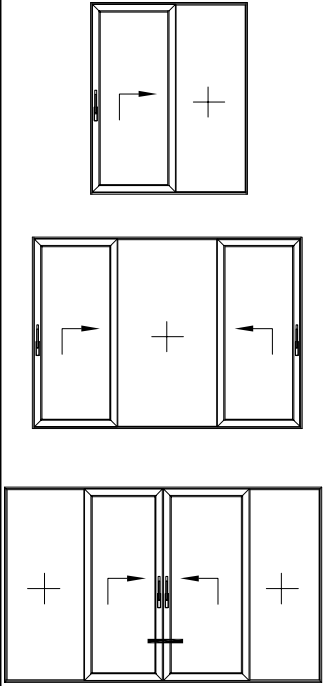
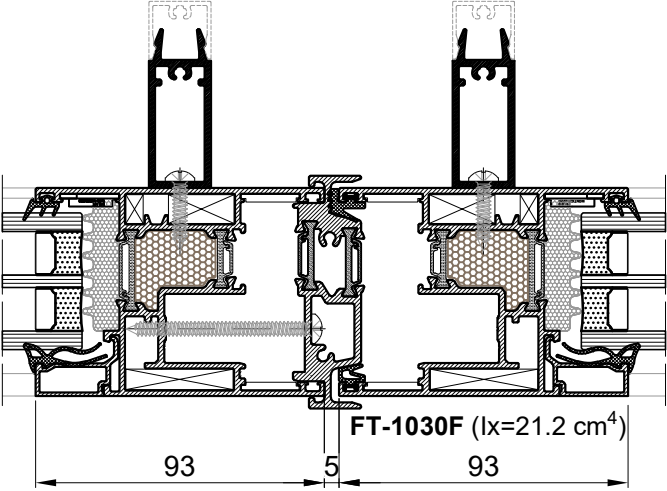
Tip otvaranja Opening type	Izgled View	Profili Profiles	Ix (cm <sup>4</sup> )
	<p>M 1:1</p>  <p>FT-1131F s ojačanjem FT-1131F with reinforcement (Ix=114 cm<sup>4</sup>)</p> <p>FT-1120F (Ix=36,6 cm<sup>4</sup>)</p>	<p>FT-1131F + F-1634 i FT-1120F</p>	<p>150,6</p>
	<p>M 1:1</p>  <p>FT-1131F s ojačanjem FT-1131F with reinforcement (Ix=168,5 cm<sup>4</sup>)</p> <p>FT-1120F (Ix=36,6 cm<sup>4</sup>)</p>	<p>FT-1131 + NP-4183 i FT1120</p>	<p>205.2</p>

Vrijednosti momenta inercije  
Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili Profiles	I <sub>x</sub> (cm <sup>4</sup> )
	<p>M 1:1</p>  <p>FT-1131F s ojačanjem FT-1131F with reinforcement (I<sub>x</sub>=114 cm<sup>4</sup>)</p> <p>FT-1120F s ojačanjem with reinforcement (I<sub>x</sub>=104 cm<sup>4</sup>)</p>	<p>FT-1131F + F-1634 i FT-1120F + F-1634</p>	<p>218</p>
	<p>M 1:1</p>  <p>FT-1131F s ojačanjem FT-1131F with reinforcement (I<sub>x</sub>=168 cm<sup>4</sup>)</p> <p>FT-1131F s ojačanjem FT-1131F with reinforcement (I<sub>x</sub>=156 cm<sup>4</sup>)</p>	<p>FT-1131F + NP-4183 i FT-1120F + NP-4183</p>	<p>324</p>

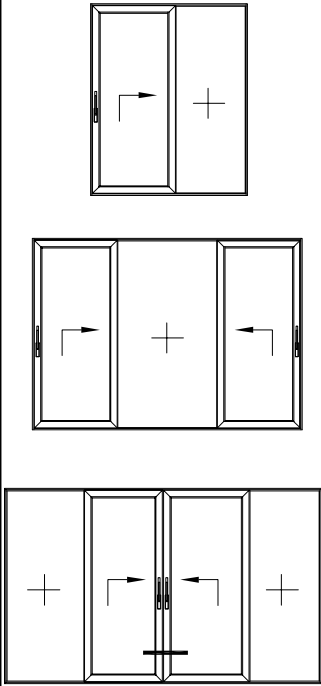
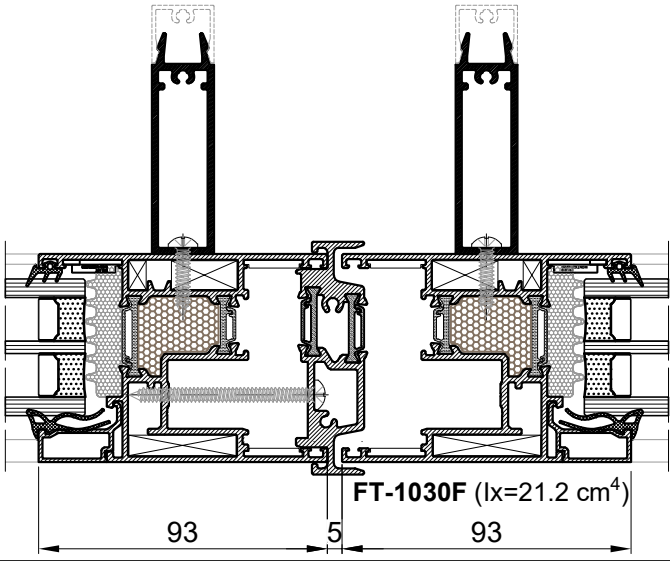
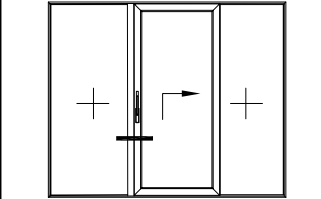
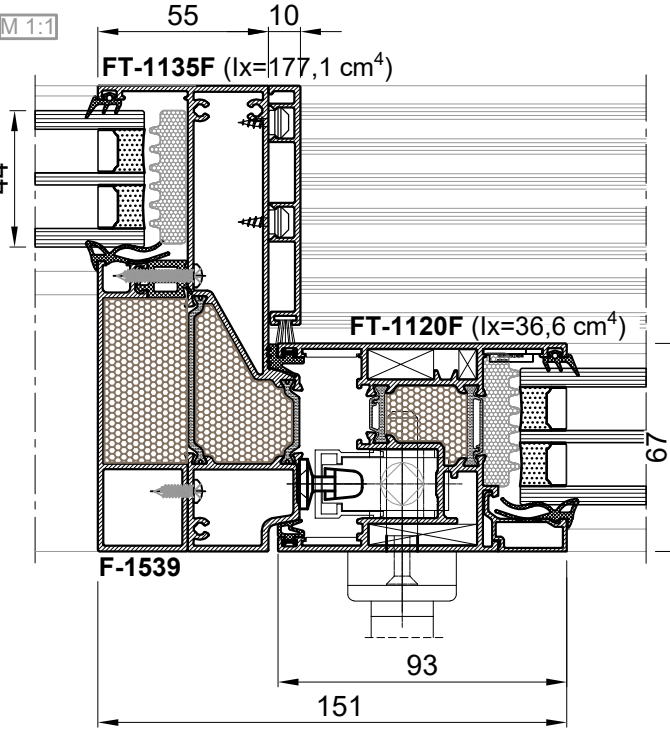
#### Vrijednosti momenta inercije

Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili Profiles	Ix (cm <sup>4</sup> )
	<p>M 1:1</p>  <p>93 5 93</p> <p>FT-1030F (Ix=21.2 cm<sup>4</sup>)</p> <p>FT-1120F (Ix=36.6 cm<sup>4</sup>) FT-1120F (Ix=36.6 cm<sup>4</sup>)</p>	<p>FT-1120F + (FT-1030F) i FT1120</p>	<p>94.4</p>
	<p>M 1:1</p> <p>FT-1120F s ojačanjem FT-1120F s ojačanjem FT-1120 with reinforcement FT-1120 with reinforcement (Ix=95,3cm<sup>4</sup>) (Ix=95,3cm<sup>4</sup>)</p>  <p>93 5 93</p> <p>FT-1030F (Ix=21.2 cm<sup>4</sup>)</p>	<p>FT-1120F + F-1634 i FT-1120F + F1634 + (FT-1030)</p>	<p>211,8</p>

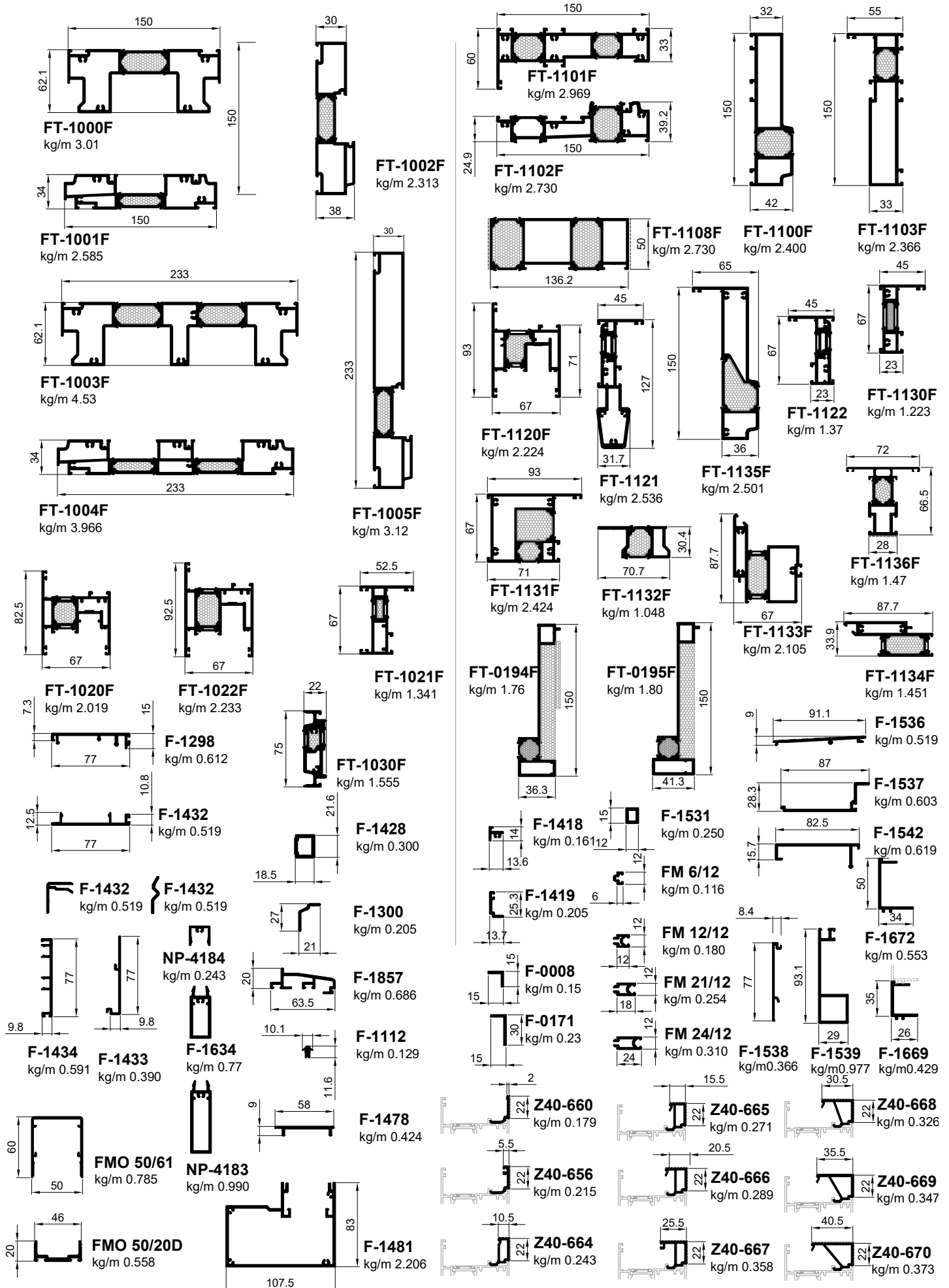
#### Vrijednosti momenta inercije

Moment of inertia values

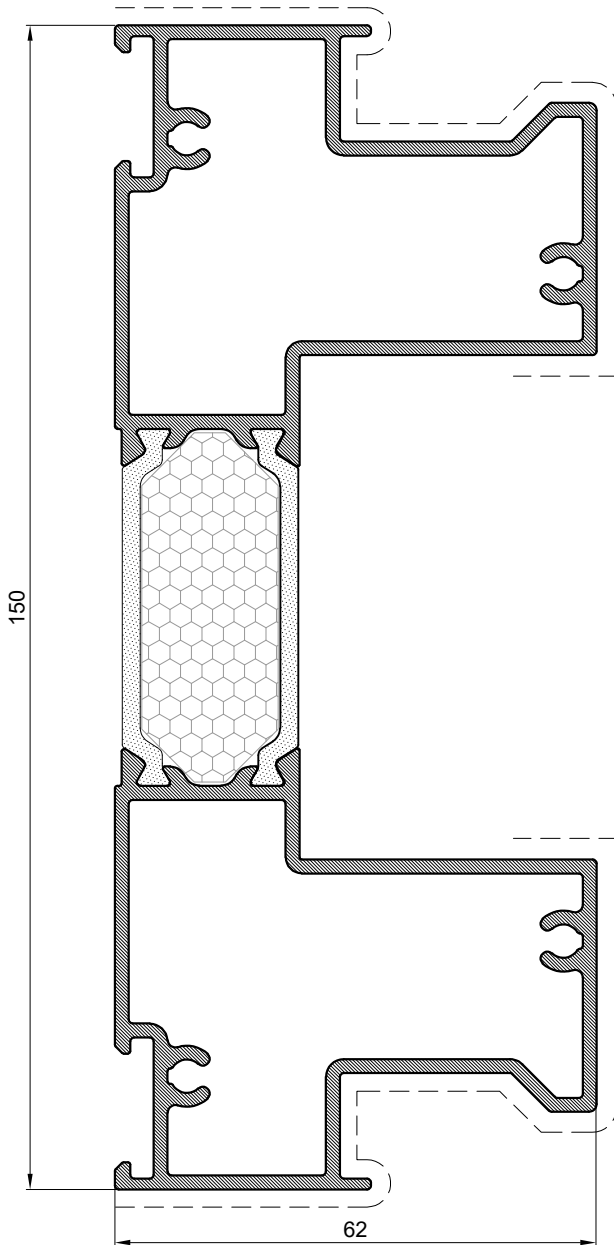
Tip otvaranja Opening type	Izgled View	Profili Profiles	Ix (cm <sup>4</sup> )
	<p>M 1:1</p> <p>FT-1120F s ojačanjem FT-1120 with reinforcement (Ix=142,8cm<sup>4</sup>)</p> <p>FT-1120F s ojačanjem FT-1120 with reinforcement (Ix=142,8cm<sup>4</sup>)</p>  <p>FT-1030F (Ix=21.2 cm<sup>4</sup>)</p> <p>93 5 93</p>	<p>FT-1120F + NP-4183 i FT-1120F + NP-4183 + (FT-1030)</p>	<p>306,8</p>
	<p>M 1:1</p> <p>55 10</p> <p>FT-1135F (Ix=177,1 cm<sup>4</sup>)</p> <p>44</p> <p>FT-1120F (Ix=36,6 cm<sup>4</sup>)</p> <p>67</p> <p>F-1539</p> <p>93</p> <p>151</p> 	<p>FT-1120F i FT-1135F</p>	<p>213.7</p>

# Profili Profiles



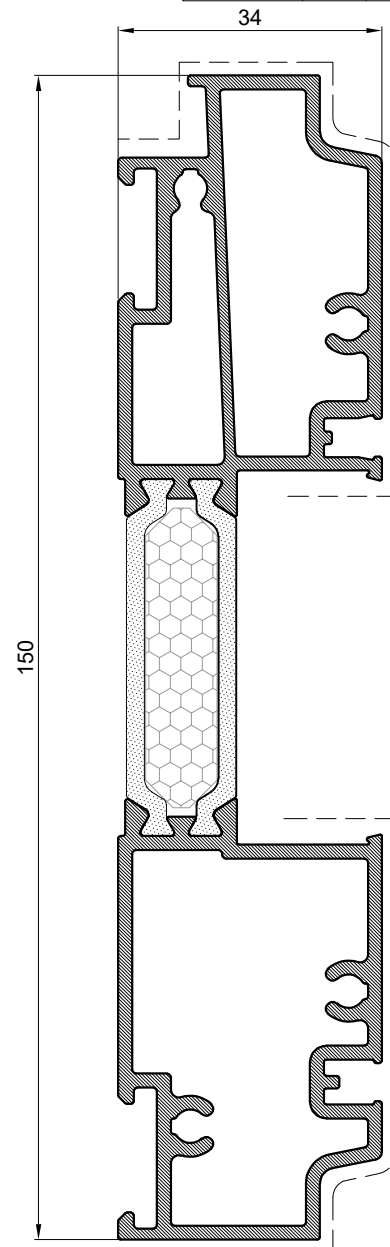




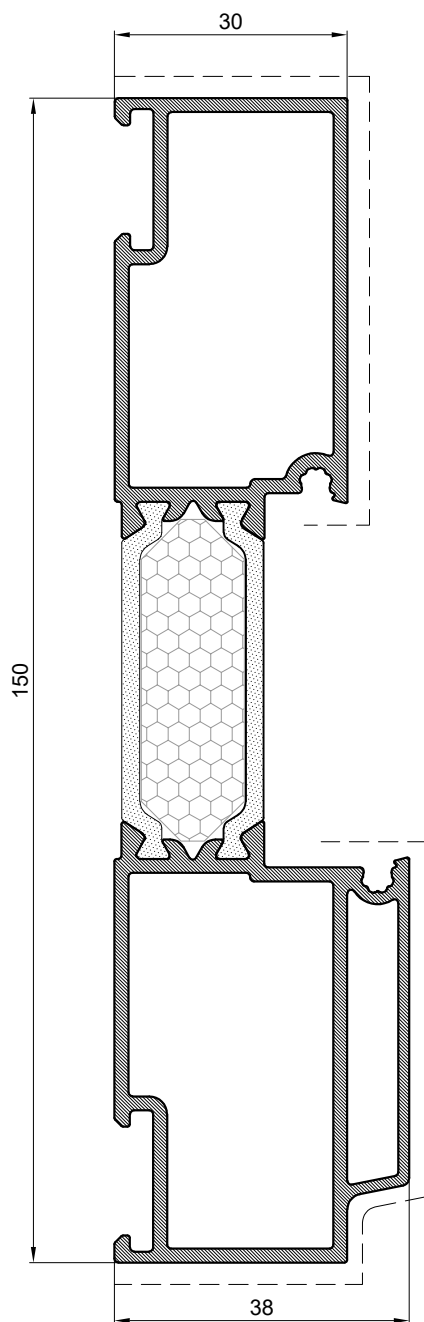


Profil rama Frame profile		
Art.-Br. Art.-Nr.	<b>FT-1000F</b>	
Težina Weight	kg/m	3.01
Opseg Perimeter	mm	570
Moment inercije Moment of inertia	Ix (cm <sup>4</sup> )	192.05
	Iy (cm <sup>4</sup> )	46.86
	Wx (cm <sup>4</sup> )	25.61
	Wy (cm <sup>4</sup> )	13.53
L	mm	6500

Profil rama Frame profile		
Art.-Br. Art.-Nr.	<b>FT-1001F</b>	
Težina Weight	kg/m	2.585
Opseg Perimeter	mm	468
Moment inercije Moment of inertia	Ix (cm <sup>4</sup> )	153.12
	Iy (cm <sup>4</sup> )	11.59
	Wx (cm <sup>4</sup> )	20.03
	Wy (cm <sup>4</sup> )	6.76
L	mm	6500

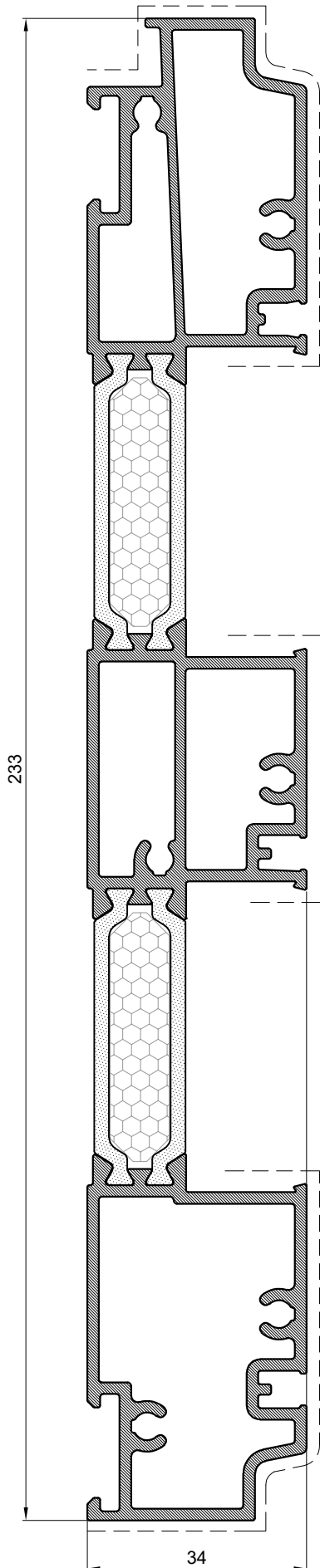


**PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”**  
**PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"**



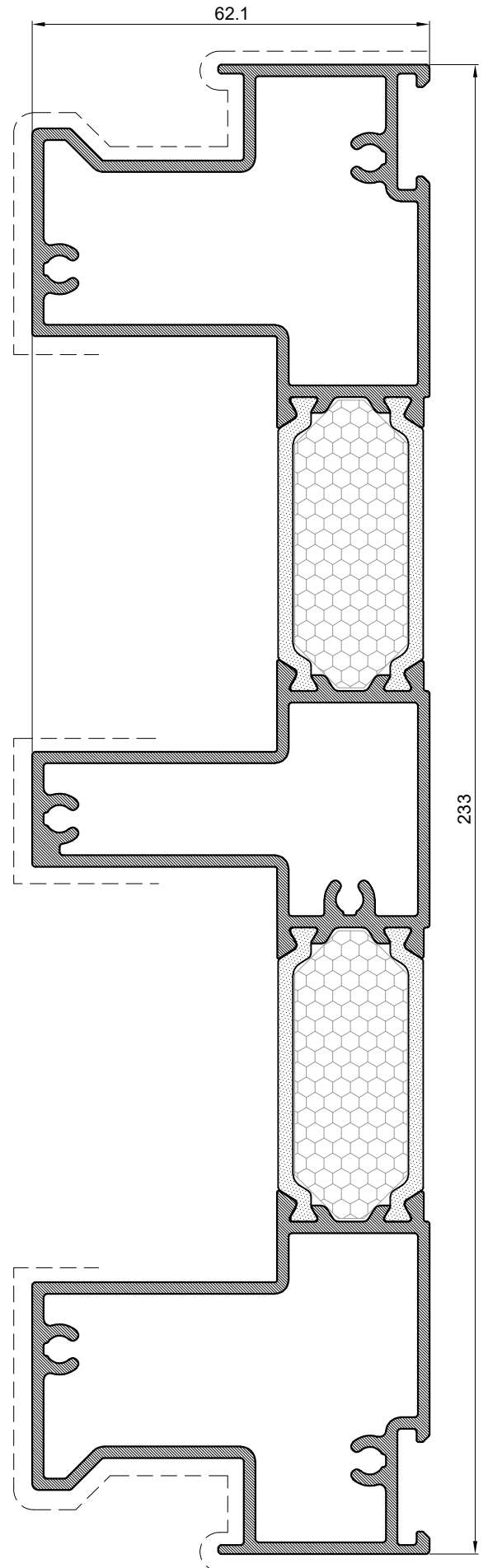
Profil rama Frame profile		
Art.-Br. Art.-Nr.	<b>FT-1002F</b>	
Težina Weight	kg/m	2.313
Opseg Perimeter	mm	448
Moment inercije Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	136.85
	I <sub>y</sub> (cm <sup>4</sup> )	12.07
	W <sub>x</sub> (cm <sup>4</sup> )	17.18
	W <sub>y</sub> (cm <sup>4</sup> )	5.79
L	mm	6500

**PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”**  
**PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"**

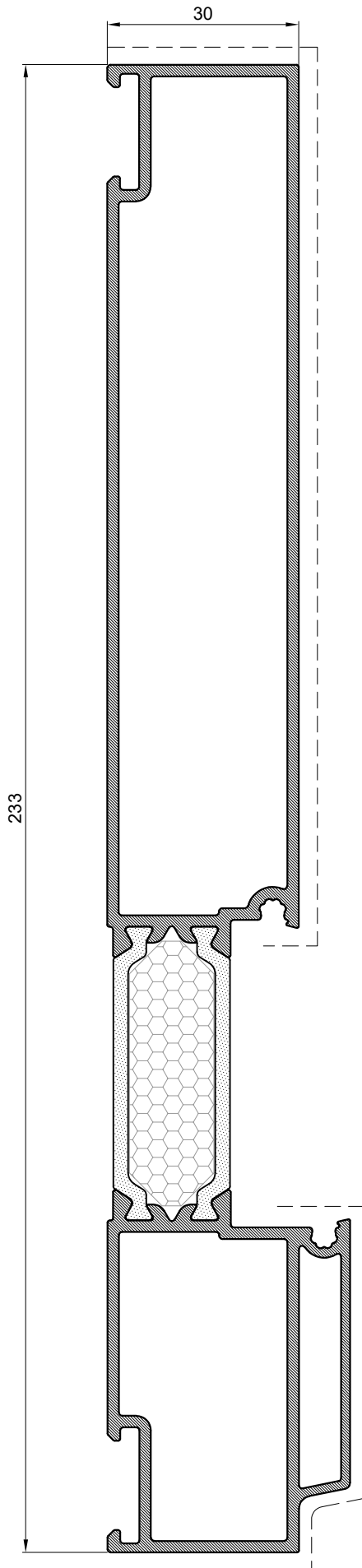


Profil rama Frame profile		
Art.-Br. Art.-Nr.	<b>FT-1004F</b>	
Težina Weight	kg/m	3.966
Opseg Perimeter	mm	526
Moment inerције Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	537.38
	I <sub>y</sub> (cm <sup>4</sup> )	16.9
	W <sub>x</sub> (cm <sup>4</sup> )	45.73
	W <sub>y</sub> (cm <sup>4</sup> )	9.73
L	mm	6500

Profil rama Frame profile		
Art.-Br. Art.-Nr.	<b>FT-1003F</b>	
Težina Weight	kg/m	4.53
Opseg Perimeter	mm	630
Moment inercije Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	656.66
	I <sub>y</sub> (cm <sup>4</sup> )	66.3
	W <sub>x</sub> (cm <sup>4</sup> )	56.37
	W <sub>y</sub> (cm <sup>4</sup> )	18.98
L	mm	6500

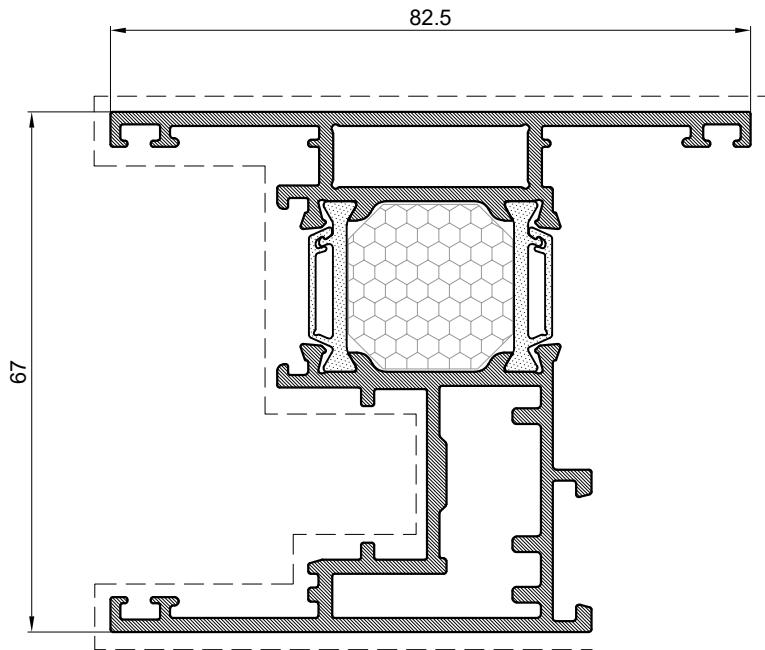


**PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”**  
**PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"**

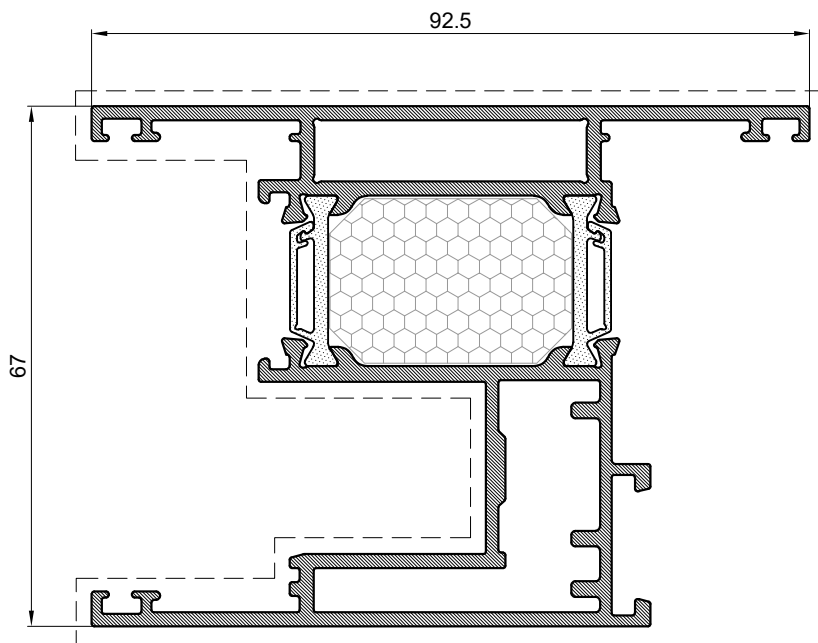


Frame profile Frame profile		
Art.-Br. Art.-Br.	<b>FT-1005F</b>	
Težina Weight	kg/m	3.12
Opseg Perimeter	mm	534
Moment inercije Moment of inertia	Ix (cm <sup>4</sup> )	460.2
	Iy (cm <sup>4</sup> )	18.16
	Wx (cm <sup>4</sup> )	37.46
	Wy (cm <sup>4</sup> )	8.45
L	mm	6500

**PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”**  
**PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"**

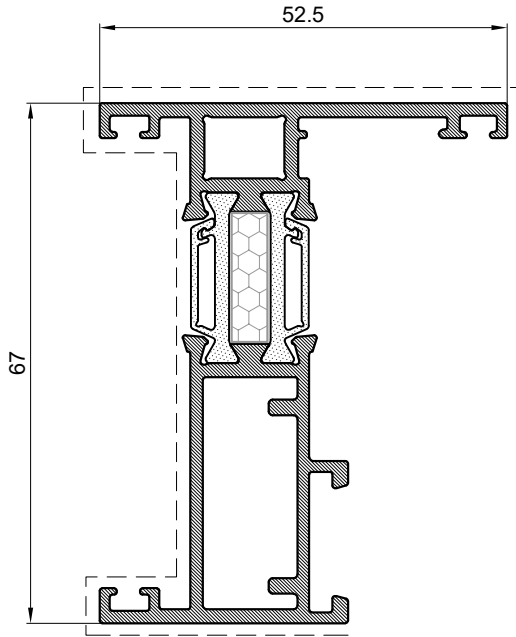


Profil krila do 150 kg Sash profile to 150 kg		
Art.-Br. Art.-Nr.	<b>FT-1020F</b>	
Težina Weight	kg/m	2.019
Opseg Perimeter	mm	569
Moment inerције Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	32.93
	I <sub>y</sub> (cm <sup>4</sup> )	21.86
	W <sub>x</sub> (cm <sup>4</sup> )	9.38
	W <sub>y</sub> (cm <sup>4</sup> )	5.12
L	mm	6500

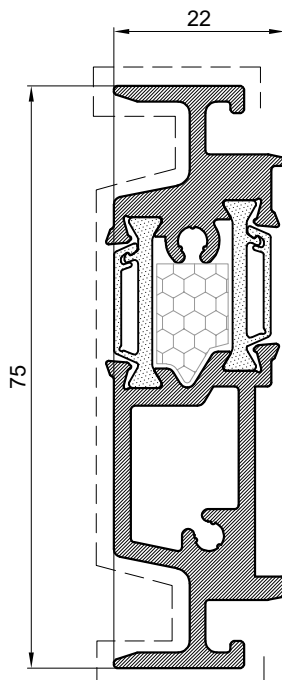


Profil krila preko 150 kg Sahs profile over 150 kg		
Art.-Br. Art.-Nr.	<b>FT-1022F</b>	
Težina Weight	kg/ m	2.233
Opseg Perimeter	mm	629
Moment inercije Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	37.23
	I <sub>y</sub> (cm <sup>4</sup> )	33.44
	W <sub>x</sub> (cm <sup>4</sup> )	10.64
	W <sub>y</sub> (cm <sup>4</sup> )	7.06
L	mm	6500

**PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”**  
**PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"**

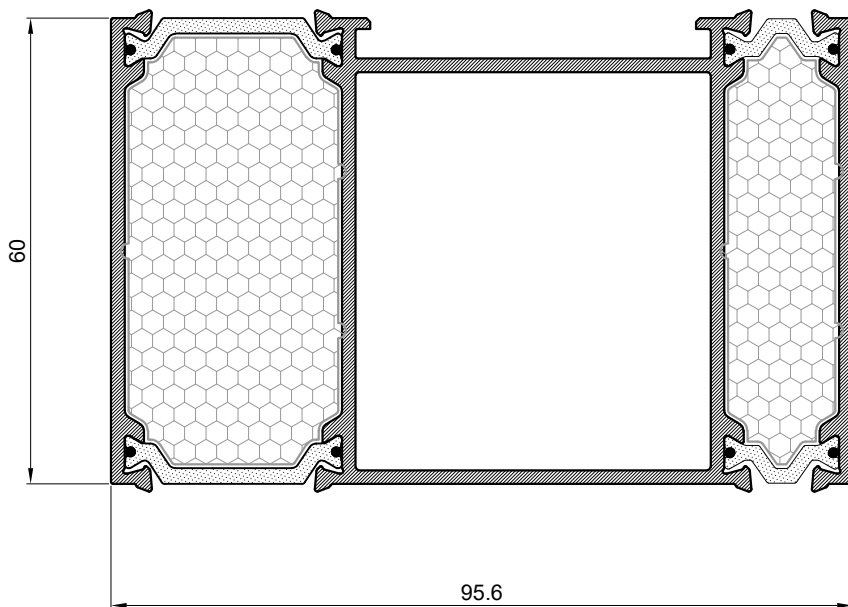


Profil krila Sash profile		
Art.-Br. Art.-Nr.	<b>FT-1021F</b>	
Težina Weight	kg/m	1.341
Opseg Perimeter	mm	374
Moment inercije Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	20.15
	I <sub>y</sub> (cm <sup>4</sup> )	5.19
	W <sub>x</sub> (cm <sup>4</sup> )	5.49
	W <sub>y</sub> (cm <sup>4</sup> )	1.64
L	mm	6500

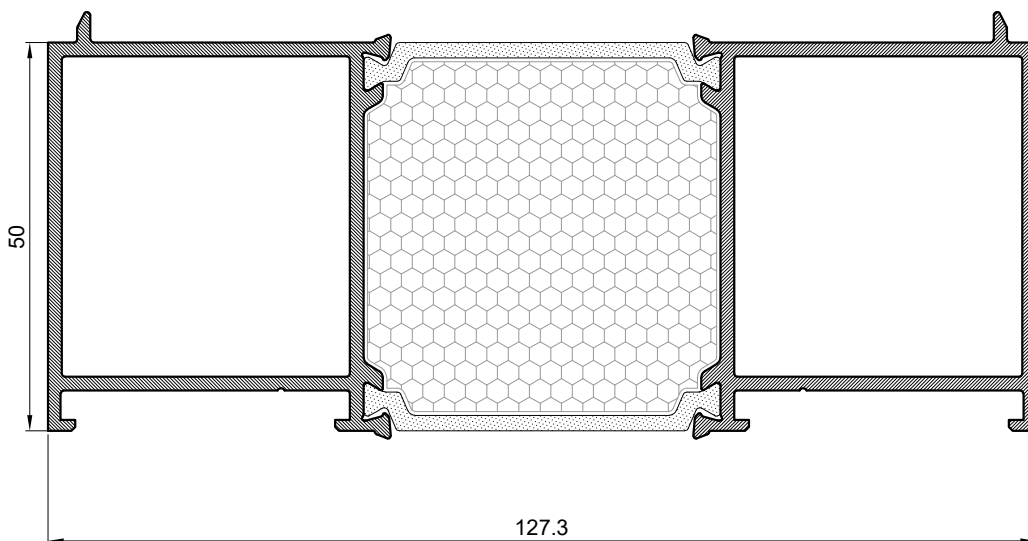


Profil spoja krila Sash joint profile		
Art.-Br. Art.-Nr.	<b>FT-1030F</b>	
Težina Weight	kg/m	1.555
Opseg Perimeter	mm	265
Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	21.23
	I <sub>y</sub> (cm <sup>4</sup> )	1.78
	W <sub>x</sub> (cm <sup>4</sup> )	5.60
	W <sub>y</sub> (cm <sup>4</sup> )	1.51
L	mm	6500

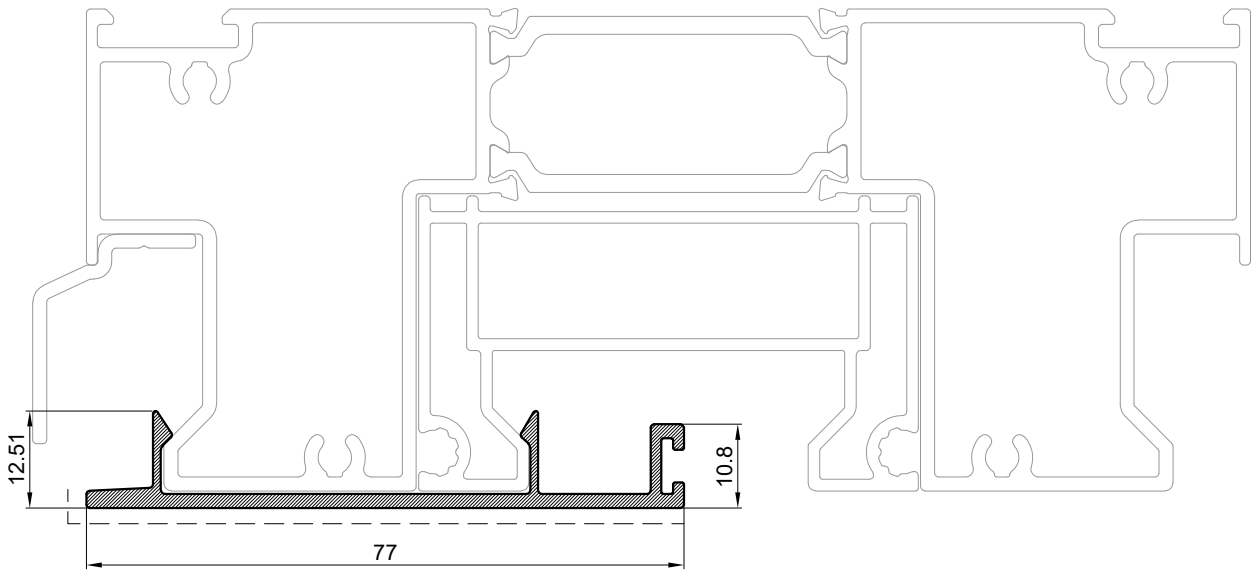
**PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”**  
**PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"**



Profil podštoka Connection profile for T150		
Art.Br. Art.Nr.	<b>FT-1009F</b>	
Težina Weight	kg/m'	<b>2.149</b>
Opseg Perimeter	mm	<b>333</b>
Moment inercije	I <sub>x</sub> (cm <sup>4</sup> )	<b>52.98</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>22.3</b>
Moments of inertia	W <sub>x</sub> (cm <sup>3</sup> )	<b>14.59</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>10.15</b>
L	mm	<b>6500</b>

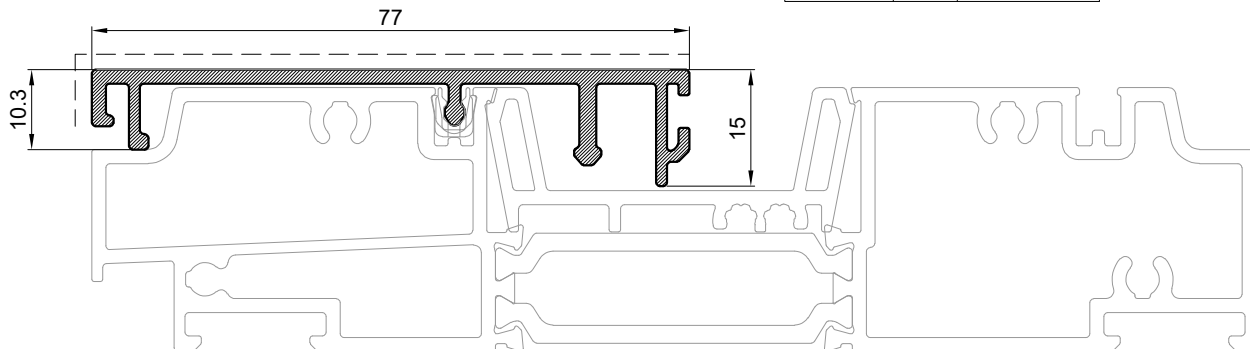


Profil podštoka Connection profile for T150		
Art.Br. Art.Nr.	<b>FT-1008F</b>	
Težina Weight	kg/m'	<b>2.126</b>
Opseg Perimeter	mm	<b>405</b>
Moment inercije	I <sub>x</sub> (cm <sup>4</sup> )	<b>102.89</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>23.24</b>
Moments of inertia	W <sub>x</sub> (cm <sup>3</sup> )	<b>21.81</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>8.35</b>
L	mm	<b>6500</b>

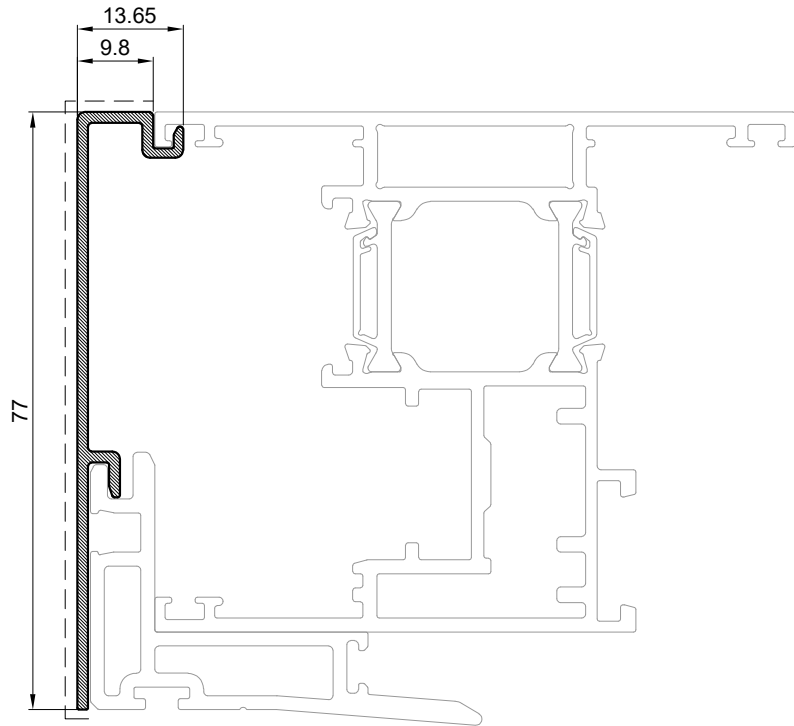


Profil maska Mask profile		
Art.-Br. Art.-Nr.	<b>F-1432</b>	
Težina Weight	kg/m	0.519
Opseg Perimeter	mm	228
L	mm	6500

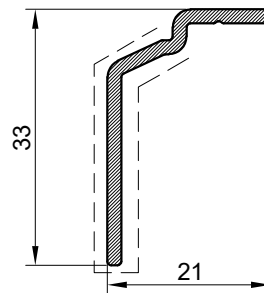
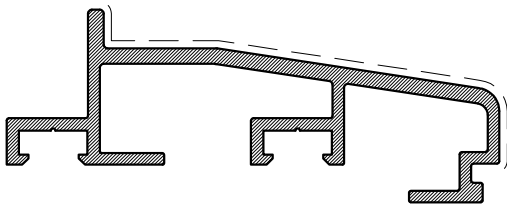
Profil maska Mask profile		
Art.-Br. Art.-Nr.	<b>F-1298</b>	
Težina Weight	kg/m	0.612
Opseg Perimeter	mm	257
L	mm	6500



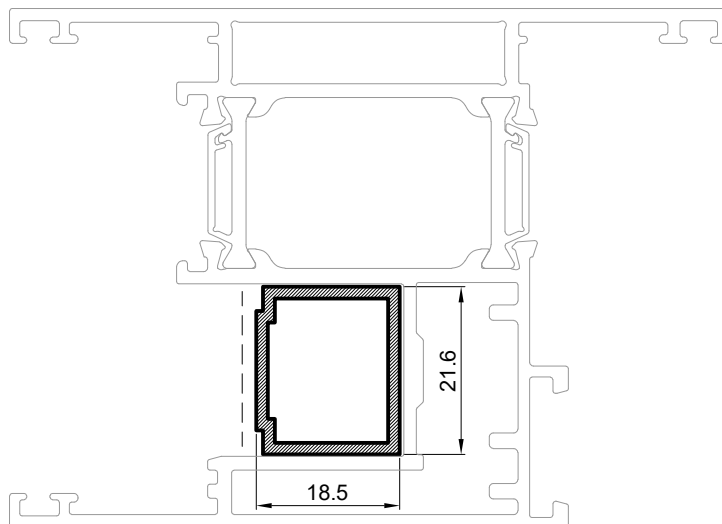
Profil spoja krila Sash joint profile		
Art.-Br. Art.-Nr.	<b>F-1433</b>	
Težina Weight	0.390	0.390
Opseg Perimeter	209	209
L	mm	6500



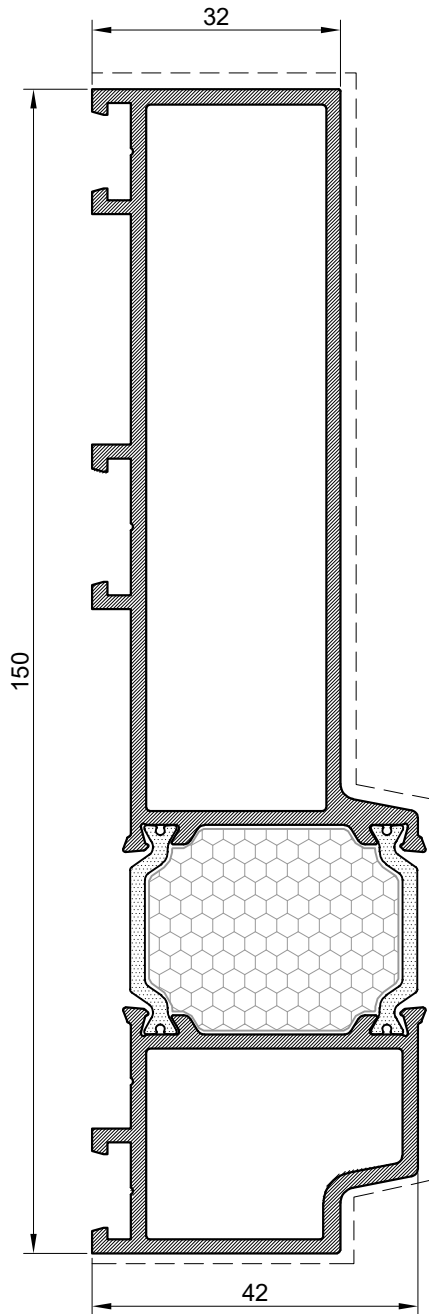
Profil za nadsvijetlo Toplight profile		
Art.-Br. Art.-Nr.	<b>F-1857</b>	
Težina Weight	kg/m	0.686
Opseg Perimeter	mm	295.7
L	mm	6500



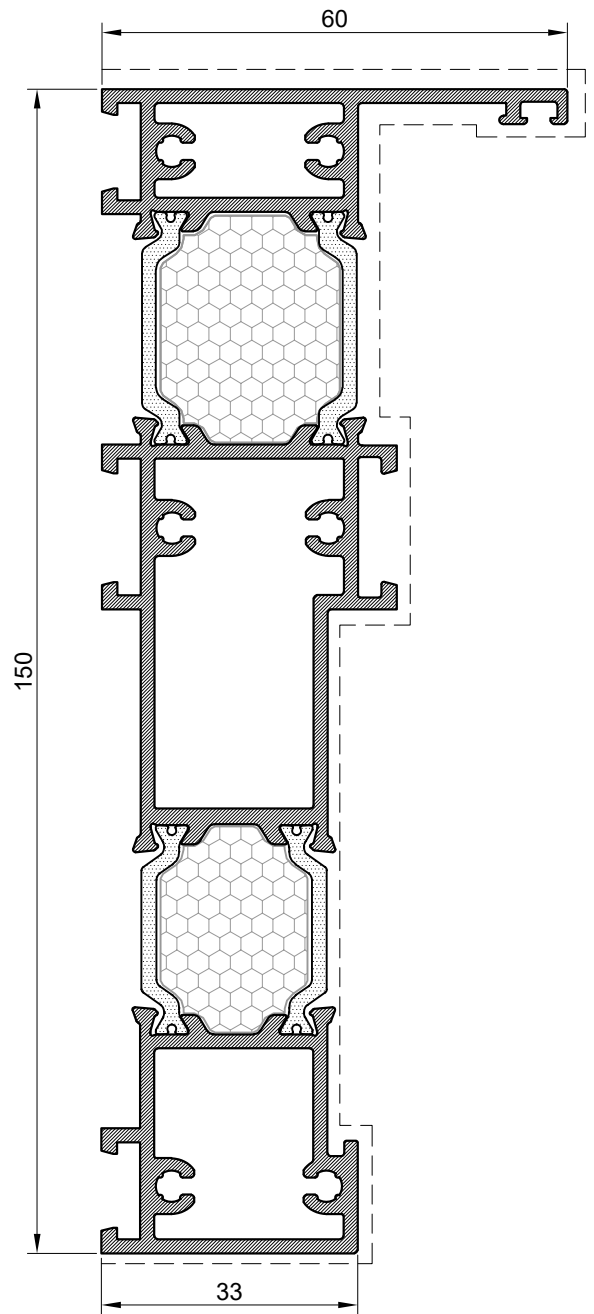
Okapnica Drip cap profile		
Art.-Br. Art.-Nr.	<b>F-1300</b>	
Težina Weight	kg/m	0.234
Opseg Perimeter	mm	88
L	mm	6500



Dodatni profil Additional profile		
Art.-Br. Art.-Nr.	<b>F-1428</b>	
Težina Weight	kg/m	0.300
Opseg Perimeter	mm	80
L	mm	6500

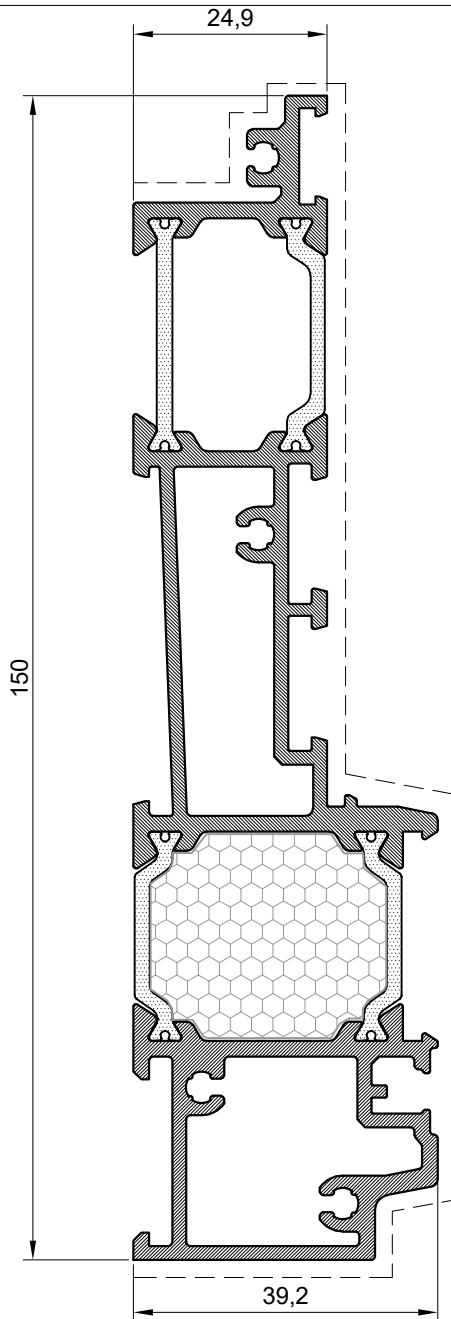


Profil rama Frame profile		
Art.-Br. Art.-Nr.	<b>FT-1100F</b>	
Težina Weight	kg/m	2400
Opseg Perimeter	mm	451
Moment inercije Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	156.84
	I <sub>y</sub> (cm <sup>4</sup> )	14.68
	W <sub>x</sub> (cm <sup>4</sup> )	24.90
	W <sub>y</sub> (cm <sup>4</sup> )	6.09
L	mm	6500

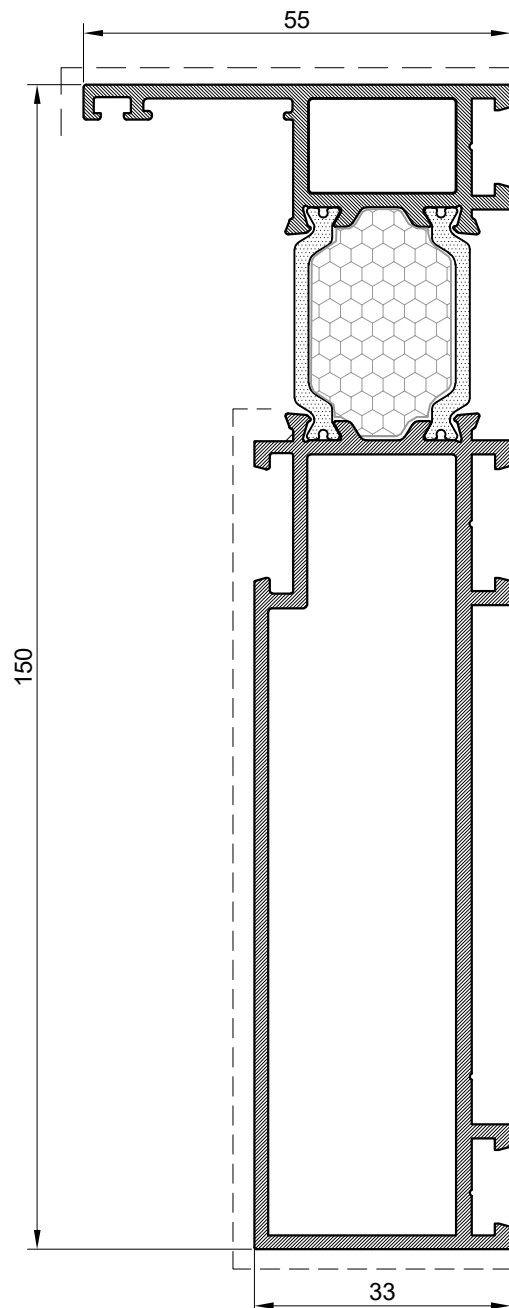


Profil rama Frame profile		
Art.-Br. Art.-Nr.	<b>FT-1101F</b>	
Težina Weight	kg/m	2.969
Opseg Perimeter	mm	551
Moment inercije Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	205.25
	I <sub>y</sub> (cm <sup>4</sup> )	16.61
	W <sub>x</sub> (cm <sup>4</sup> )	31.09
	W <sub>y</sub> (cm <sup>4</sup> )	4.09
L	mm	6500

**PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”**  
**PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"**

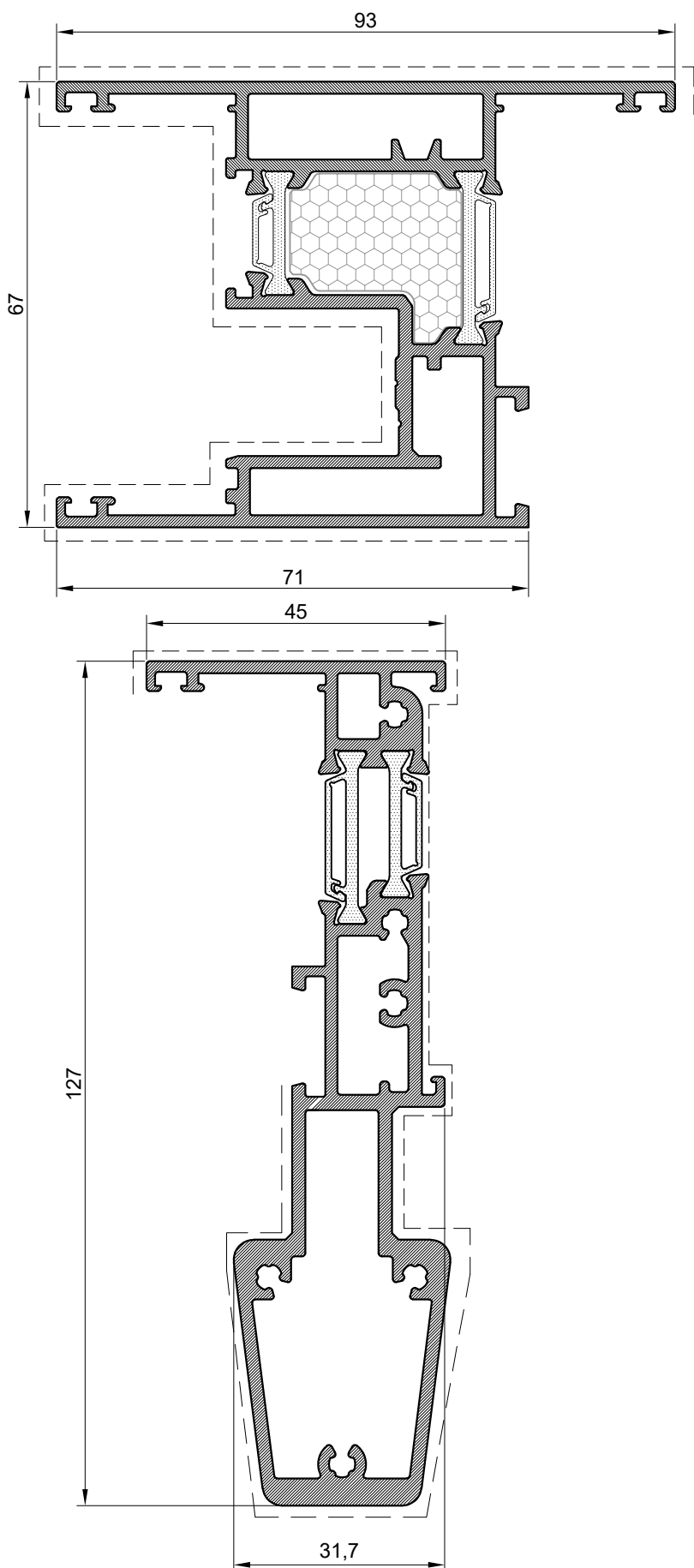


Profil rama Frame profile		
Art.-Br. Art.-Nr.	<b>FT-1102F</b>	
Težina Weight	kg/m	2.730
Opseg Perimeter	mm	520
Moment inercije Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	147.72
	I <sub>y</sub> (cm <sup>4</sup> )	10.38
	W <sub>x</sub> (cm <sup>4</sup> )	19.80
	W <sub>y</sub> (cm <sup>4</sup> )	4.72
L	mm	6500



Profil rama Frame profile		
Art.-Br. Art.-Nr.	<b>FT-1103F</b>	
Težina Weight	kg/m	2.366
Opseg Perimeter	mm	528
Moment inercije Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	167.61
	I <sub>y</sub> (cm <sup>4</sup> )	14.16
	W <sub>x</sub> (cm <sup>4</sup> )	25.38
	W <sub>y</sub> (cm <sup>4</sup> )	3.87
L	mm	6500

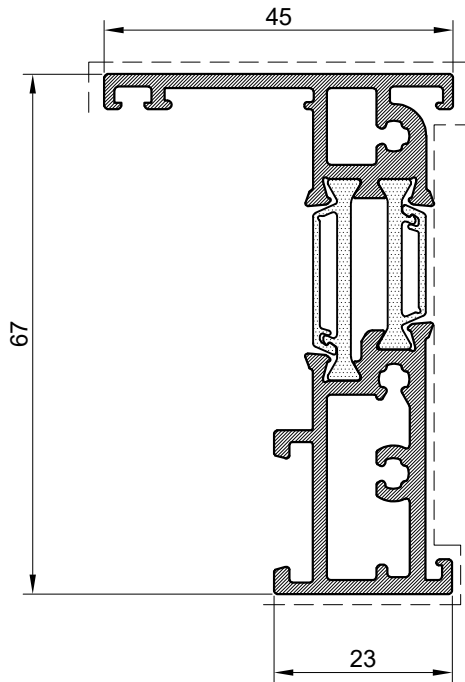
**PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”**  
**PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"**



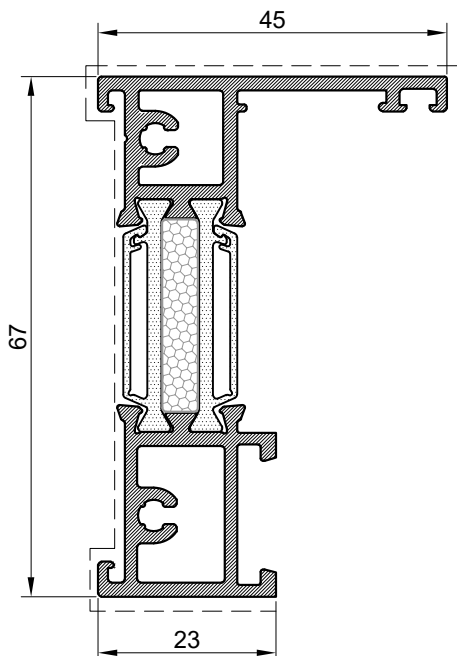
Profil krila Sash profile		
Art.-Br. Art.-Nr.	<b>FT-1120F</b>	
Težina Weight	kg/m	2.224
Opseg Perimeter	mm	524
Moment inercije Moment of inertia	Ix (cm <sup>4</sup> )	36.59
	Iy (cm <sup>4</sup> )	32.15
	Wx (cm <sup>4</sup> )	13.95
	Wy (cm <sup>4</sup> )	6.73
L	mm	6500

Profil krila Sash profile		
Art.-Br. Art.-Nr.	<b>FT-1121</b>	
Težina Weight	kg/m	2.536
Opseg Perimeter	mm	440
Moment inercije Moment of inertia	Ix (cm <sup>4</sup> )	121.06
	Iy (cm <sup>4</sup> )	8.72
	Wx (cm <sup>4</sup> )	22.58
	Wy (cm <sup>4</sup> )	2.86
L	mm	6500

**PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”**  
**PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"**

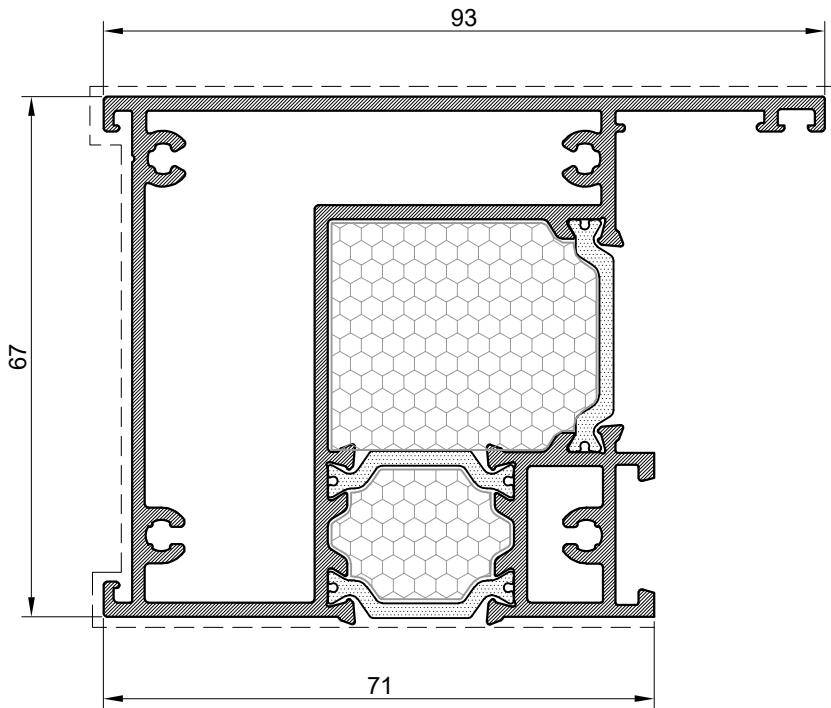


Profil krila Sash profile		
Art.-Br. Art.-Nr.	<b>FT-1122</b>	
Težina Weight	kg/m	1.37
Opseg Perimeter	mm	294
Moment inerције Moment of inertia	Ix (cm <sup>4</sup> )	18.85
	Iy (cm <sup>4</sup> )	4.21
	Wx (cm <sup>4</sup> )	7.01
	Wy (cm <sup>4</sup> )	1.34
L	mm	6500

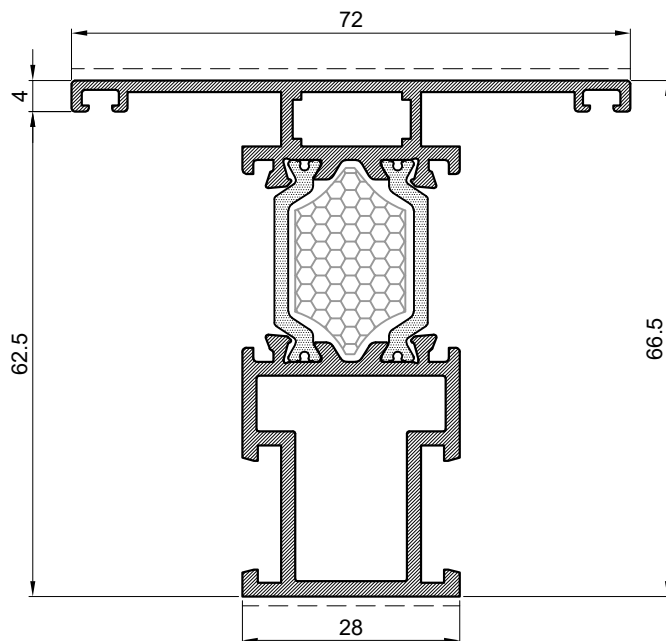


Prečka Mullion		
Art.-Br. Art.-Nr.	<b>FT-1130F</b>	
Težina Weight	kg/m	1.223
Opseg Perimeter	mm	292
Moment inercije Moment of inertia	Ix (cm <sup>4</sup> )	18.12
	Iy (cm <sup>4</sup> )	4.06
	Wx (cm <sup>4</sup> )	6.69
	Wy (cm <sup>4</sup> )	1.30
L	mm	6500

**PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”**  
**PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"**

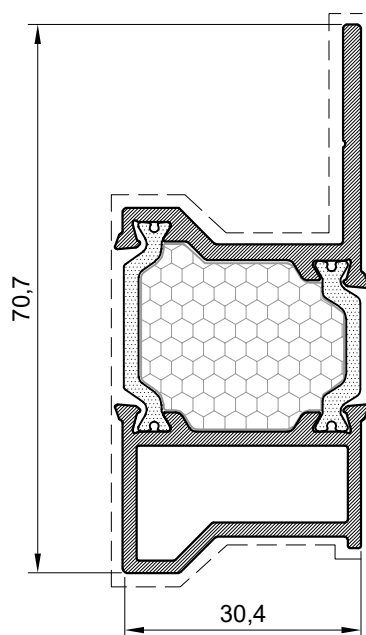


Prečka Mullion		
Art.Br. Art.-Nr.	<b>FT-1131F</b>	
Težina Weight	kg/m	2.424
Opseg Perimeter	mm	388
Moment inercije Moment of inertia	Ix (cm <sup>4</sup> )	36.68
	Iy (cm <sup>4</sup> )	50.50
	Wx (cm <sup>4</sup> )	13.97
	Wy (cm <sup>4</sup> )	9.24
L	mm	6500

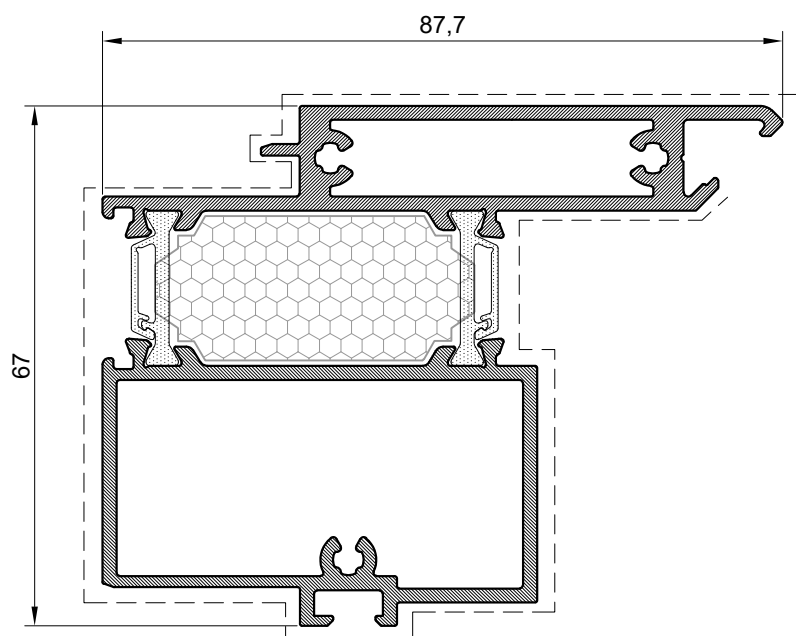


Prečka Mullion		
Art.-Br. Art.-Nr.	<b>FT-1136F</b>	
Težina Weight	kg/m	<b>1.47</b>
Opseg Perimeter	mm	<b>390.18</b>
Moment inercije Moment of inertia	Ix (cm <sup>4</sup> )	<b>20.88</b>
	Iy (cm <sup>4</sup> )	<b>8.9</b>
	Wx (cm <sup>4</sup> )	<b>7.46</b>
	Wy (cm <sup>4</sup> )	<b>2.47</b>
L	mm	<b>6500</b>

**PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”**  
**PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"**

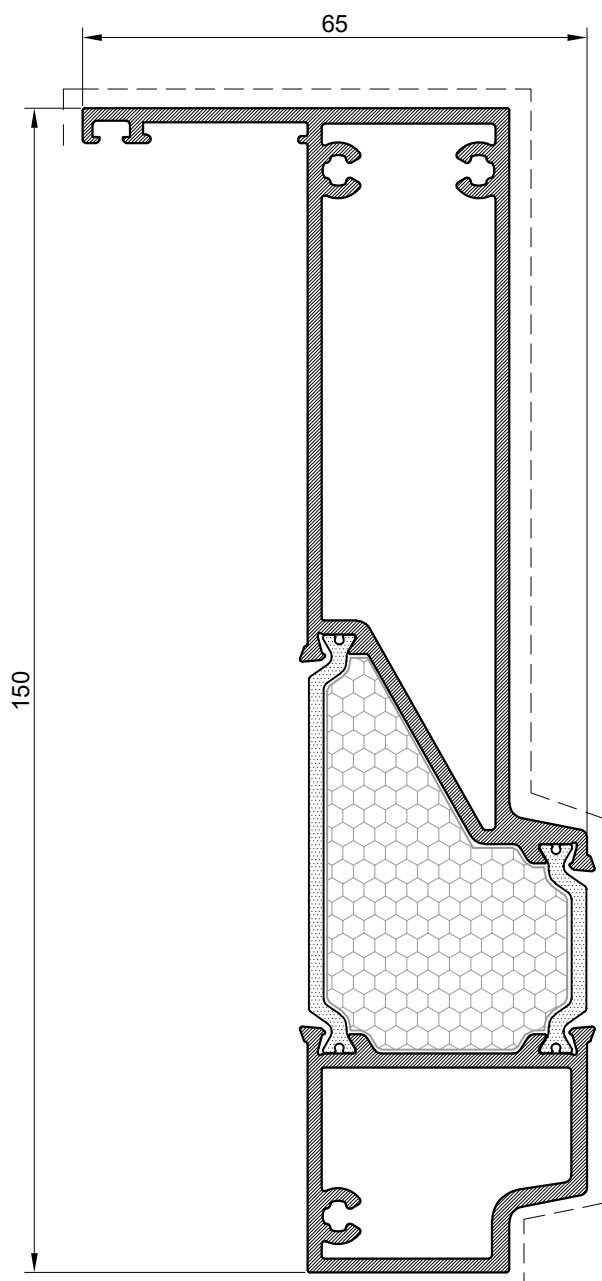
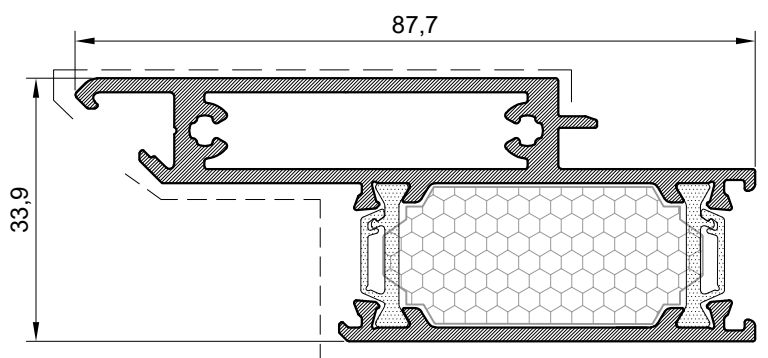


Umetak rama Insert frame profile		
Art.-Br. Art.-Nr.	<b>FT-1132F</b>	
Težina Weight	kg/m	1.048
Opseg Perimeter	mm	214
Moment inercije Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	9.85
	I <sub>y</sub> (cm <sup>4</sup> )	4.20
	W <sub>x</sub> (cm <sup>4</sup> )	3.12
	W <sub>y</sub> (cm <sup>4</sup> )	2.24
L	mm	6500



Umetak-90° Insert profile-90°		
Art.-Br. Art.-Nr.	<b>FT-1133F</b>	
Težina Weight	kg/m	2.105
Opseg Perimeter	mm	373
Moment inercije Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	27.07
	I <sub>y</sub> (cm <sup>4</sup> )	37.79
	W <sub>x</sub> (cm <sup>4</sup> )	9.07
	W <sub>y</sub> (cm <sup>4</sup> )	7.56
L	mm	6500

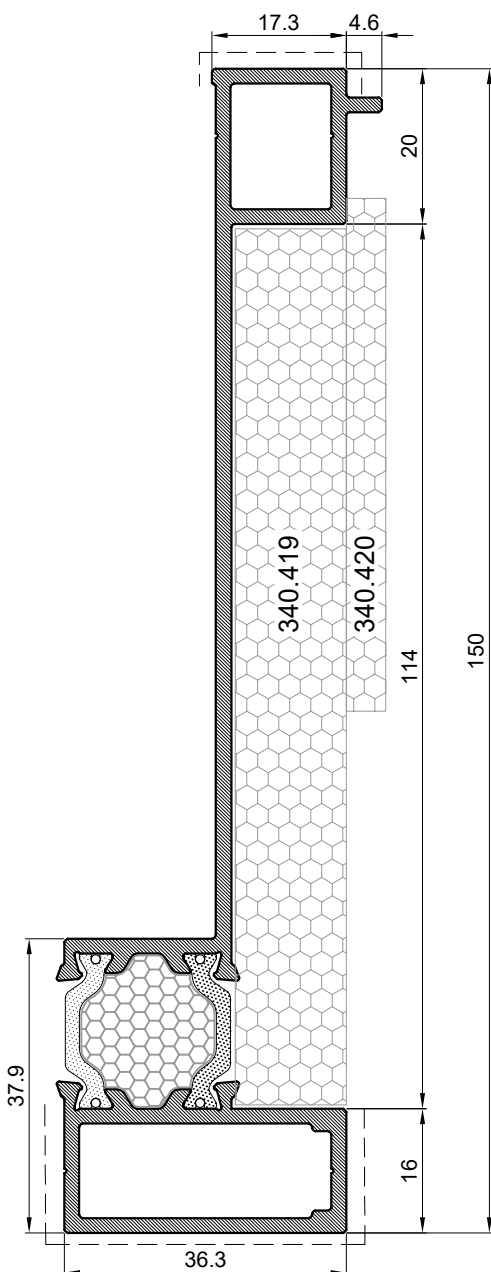
**PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”**  
**PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"**



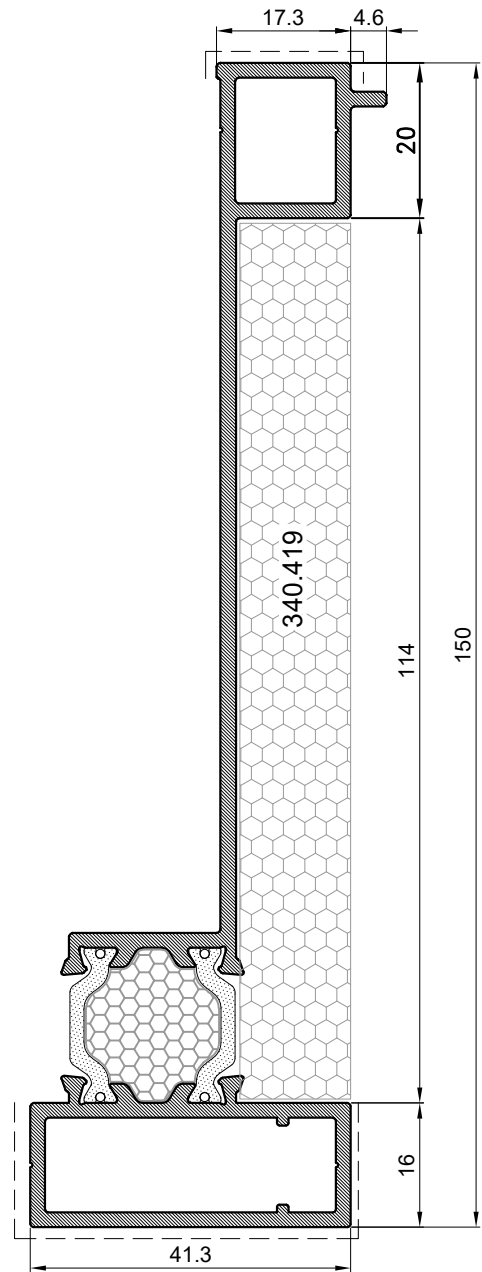
Umetak-90° Insert profile-90°		
Art.-Nr. Art.-Nr.	<b>FT-1134F</b>	
Težina Weight	kg/m	1.451
Opseg Perimeter	mm	290
Moment inercije Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	5.00
	I <sub>y</sub> (cm <sup>4</sup> )	26.37
	W <sub>x</sub> (cm <sup>4</sup> )	3.36
	W <sub>y</sub> (cm <sup>4</sup> )	5.68
L	mm	6500

Prečka Mullion		
Art.-Br. Art.-Nr.	<b>FT-1135F</b>	
Težina Weight	kg/m	2.501
Opseg Perimeter	mm	447
Moment inercije Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	177.05
	I <sub>y</sub> (cm <sup>4</sup> )	17.05
	W <sub>x</sub> (cm <sup>4</sup> )	28.47
	W <sub>y</sub> (cm <sup>4</sup> )	4.01
L	mm	6500

**PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”**  
**PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"**

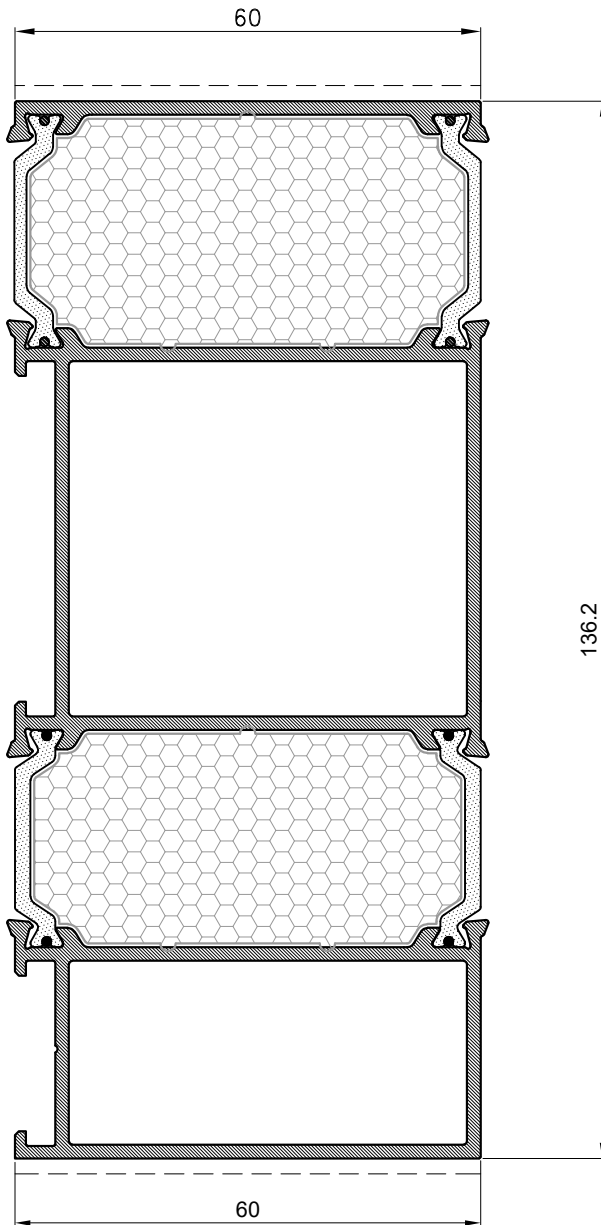


Spojni profil za T150 Connection profile for T150		
Art.Br. Art.Nr.	<b>FT-0194F</b>	
Težina Weight	kg/m'	<b>1.76</b>
Opseg Perimeter	mm	<b>427.85</b>
Moment inercije	I <sub>x</sub> (cm <sup>4</sup> )	<b>139.93</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>5.89</b>
Moments of inertia	W <sub>x</sub> (cm <sup>3</sup> )	<b>19.97</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>2.78</b>
L	mm	<b>6500</b>

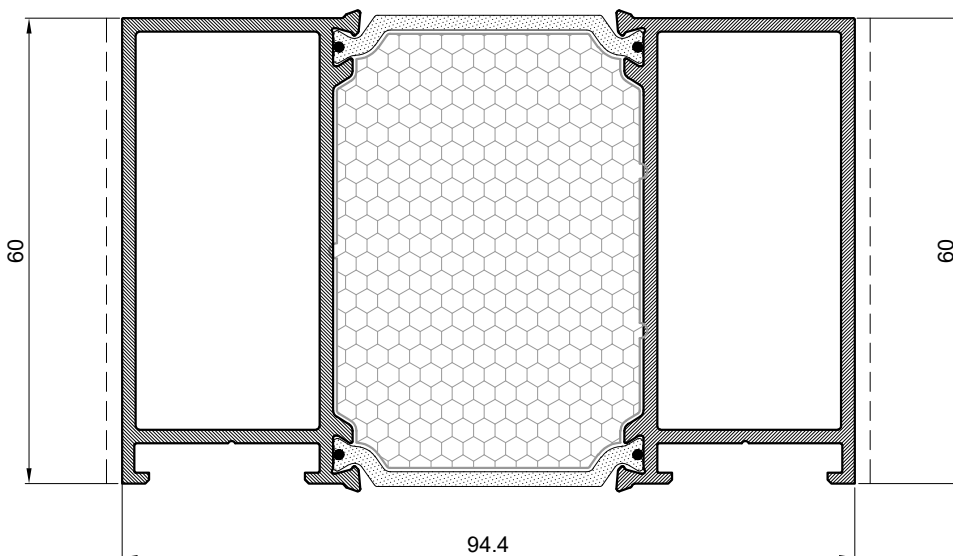


Spojni profil za T150 Connection profile for T150		
Art.Br. Art.Nr.	<b>FT-0195F</b>	
Težina Weight	kg/m'	<b>1.80</b>
Opseg Perimeter	mm	<b>436.48</b>
Moment inercije	I <sub>x</sub> (cm <sup>4</sup> )	<b>143.7</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>7.25</b>
Moments of inertia	W <sub>x</sub> (cm <sup>3</sup> )	<b>20.23</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>2.99</b>
L	mm	<b>6500</b>

**PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”**  
**PROFILES WITHOUT XPS DO NOT HAVE ENDING "F"**

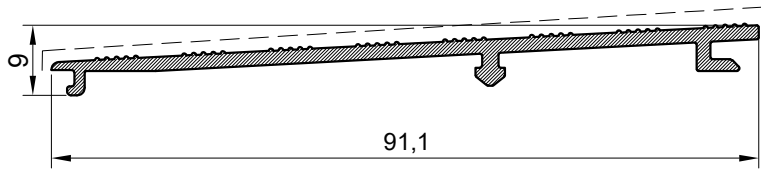


Profil podštoka Connection profile for T150		
Art.Br. Art.Nr.	<b>FT-1104F</b>	
Težina Weight	kg/m'	<b>2.736</b>
Opseg Perimeter	mm	<b>431</b>
Moment inercije Moments of inertia	I <sub>x</sub> (cm <sup>4</sup> )	<b>124.23</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>28.89</b>
	W <sub>x</sub> (cm <sup>3</sup> )	<b>21.69</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>13.14</b>
L	mm	<b>6500</b>

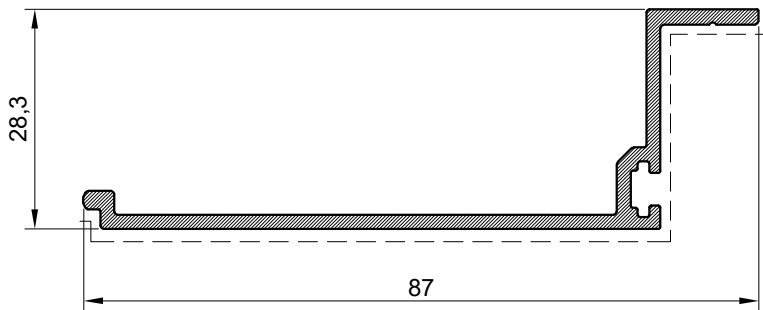


Profil podštoka Connection profile for T150		
Art.Br. Art.Nr.	<b>FT-1105F</b>	
Težina Weight	kg/m'	<b>1.984</b>
Opseg Perimeter	mm	<b>346</b>
Moment inercije Moments of inertia	I <sub>x</sub> (cm <sup>4</sup> )	<b>56.17</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>28.86</b>
	W <sub>x</sub> (cm <sup>3</sup> )	<b>16.2</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>9.22</b>
L	mm	<b>6500</b>

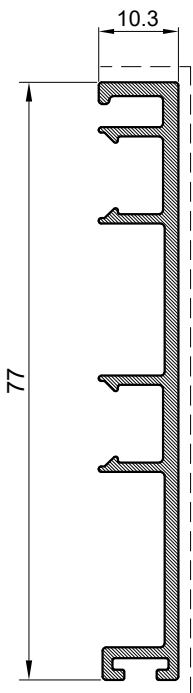
**PROFIL BEZ XPS ISPUNE U NAZIVU NEMA NASTAVKA „F”**  
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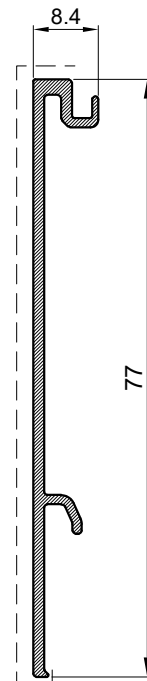
Profil Profile		
Art.-Br. Art.-Nr.	<b>F-1536</b>	
Težina Weight	kg/m	0.519
Opseg Perimeter	mm	229
L	mm	6500



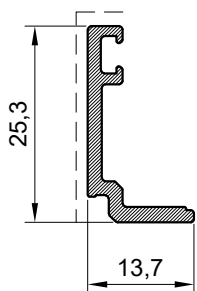
Profil Profile		
Art.-Br. Art.-Nr.	<b>F-1537</b>	
Težina Weight	kg/m	0.603
Opseg Perimeter	mm	246
L	mm	6500



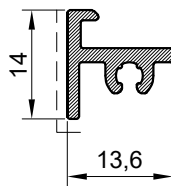
Profil Profile		
Art.-Br. Art.-Nr.	<b>F-1434</b>	
Težina Weight	kg/m	0.591
Opseg Perimeter	mm	269
L	mm	6500



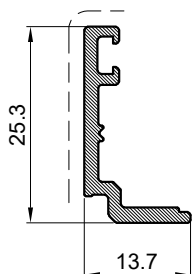
Profil Profile		
Art.-Br. Art.-Nr.	<b>F-1538</b>	
Težina Weight	kg/m	0.366
Opseg Perimeter	mm	198
L	mm	6500



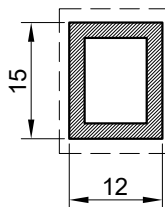
Profil Profile		
Art.-Br. Art.-Nr.	<b>F-1419</b>	
Težina Weight	kg/m	0.205
Opseg Perimeter	mm	89
L	mm	6500



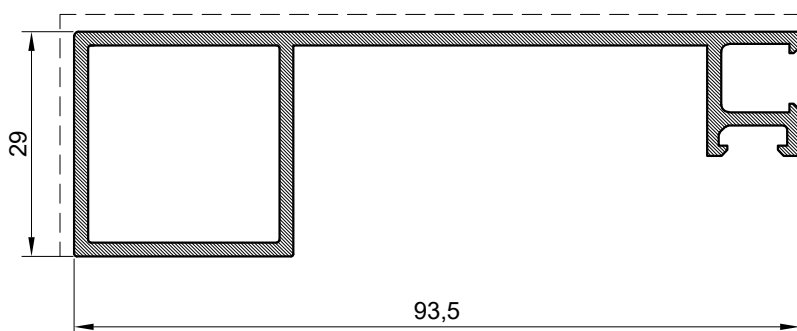
Profil Profile		
Art.-Br. Art.-Nr.	<b>F-1418</b>	
Težina Weight	kg/m	0.161
Opseg Perimeter	mm	74
L	mm	6500



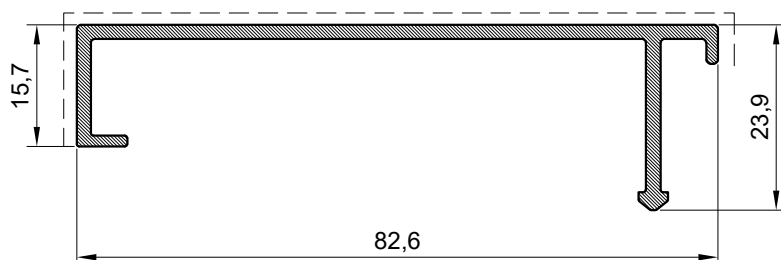
Profil Profile		
Art.-Br. Art.-Nr.	<b>F-1419-P</b>	
Težina Weight	kg/m	0.203
Opseg Perimeter	mm	90
L	mm	6500



Profil Profile		
Art.-Br. Art.-Nr.	<b>F-1531</b>	
Težina Weight	kg/m	0.250
Opseg Perimeter	mm	54
L	mm	6500



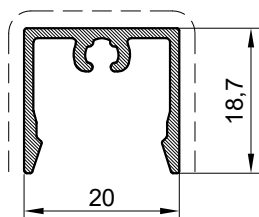
Profil Profile		
Art.-Br. Art.-Nr.	<b>F-1539</b>	
Težina Weight	kg/m	0.977
Opseg Perimeter	mm	406
L	mm	6500



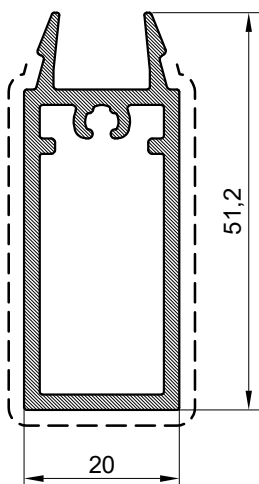
Profil Profile		
Art.-Br. Art.-Nr.	<b>F-1542</b>	
Težina Weight	kg/m	0.619
Opseg Perimeter	mm	256
L	mm	6500

\*Profili s oznakom P koriste se za plastifikaciju

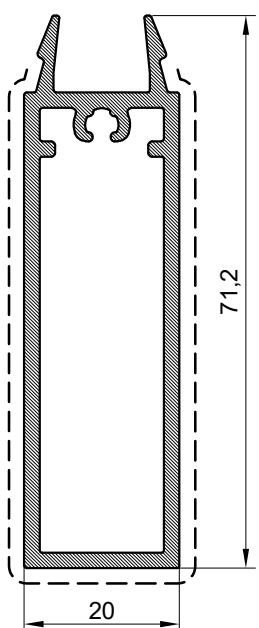
\*Profiles marked P are used for plasticization



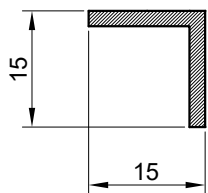
Maska profila ojačanja Reinforcement profile mask		
Art.-Br. Art.-Nr.	<b>NP-4184</b>	
Težina Weight	kg/m	0.243
Opseg Perimeter	mm	129
L	mm	6500



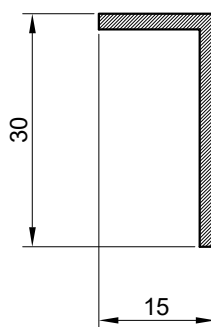
Profil ojačanja prečke Window crossbar reinforcement		
Art.-Br. Art.-Nr.	<b>F-1634</b>	
Težina Weight	kg/m	0.77
Opseg Perimeter	mm	159.87
L	mm	6500



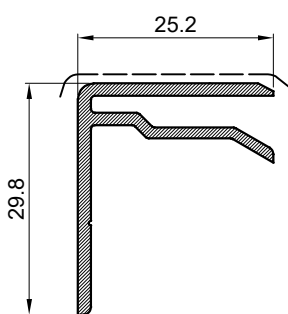
Profil ojačanja prečke Window crossbar reinforcement		
Art.-Br. Art.-Nr.	<b>NP-4183</b>	
Težina Weight	kg/m	0.990
Opseg Perimeter	mm	201
L	mm	6500



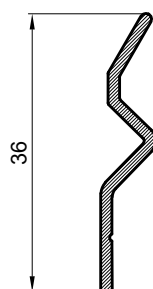
Profil Profile		
Art.-Br. Art.-Nr.	<b>F-0008</b>	
Težina Weight	kg/m	0.15
Opseg Perimeter	mm	60
L	mm	6500



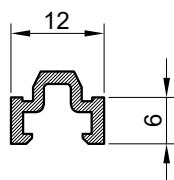
Profil Profile		
Art.-Br. Art.-Nr.	<b>F-0171</b>	
Težina Weight	kg/m	0.23
Opseg Perimeter	mm	90
L	mm	6500



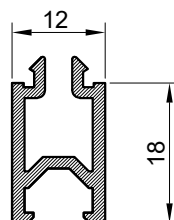
Profil spoja sa zidom Wall connection profile		
Art.Br. Art.Nr.	<b>F-0895</b>	
Težina Weight	kg/m'	<b>0.33</b>
Opseg Perimeter	mm	<b>157.55</b>
L	mm	<b>6500</b>



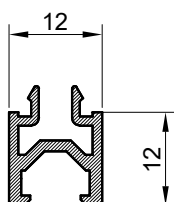
Profil Profile		
Art.Br. Art.Nr.	<b>F-1556</b>	
Težina Weight	kg/m'	<b>0.164</b>
Opseg Perimeter	mm	<b>84.73</b>
L	mm	<b>6500</b>



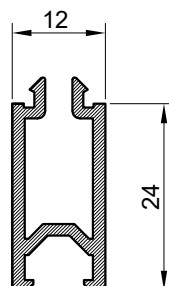
Profil Profile		
Art.-Br. Art.-Nr.	<b>FM 6/12</b>	
Težina Weight	kg/m	0.116
Opseg Perimeter	mm	61
L	mm	6500



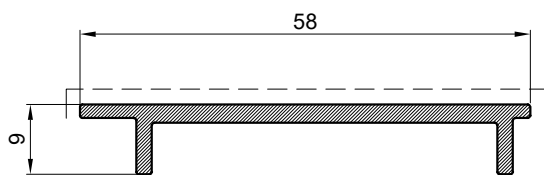
Profil Profile		
Art.-Br. Art.-Nr.	<b>FM 21/12</b>	
Težina Weight	kg/m	0.254
Opseg Perimeter	mm	124
L	mm	6500



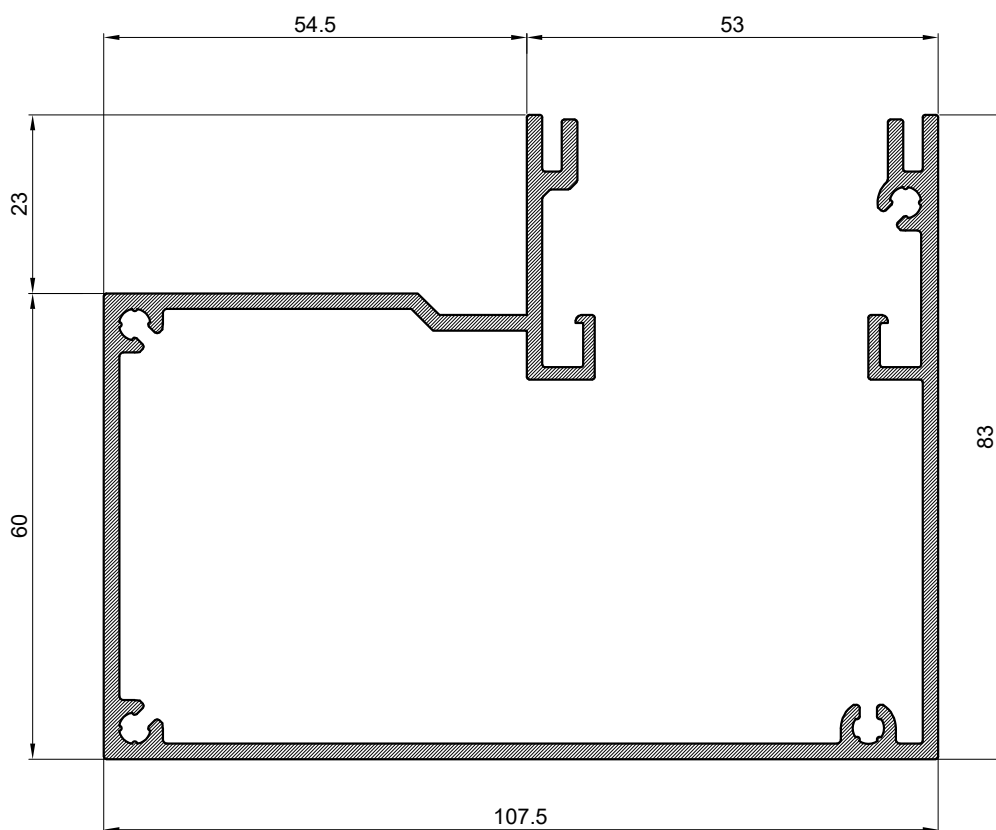
Profil Profile		
Art.-Br. Art.-Nr.	<b>FM 12/12</b>	
Težina Perimeter	kg/m	0.18
Opseg Perimeter	mm	100
L	mm	6500



Profil Profile		
Art.-Br. Art.-Nr.	<b>FM 24/12</b>	
Težina Weight	kg/m	0.31
Opseg Perimeter	mm	148
L	mm	6500

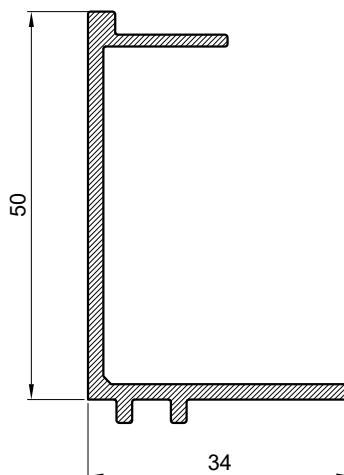


Profil Profile		
Art.-Br. Art.-Nr.	<b>F-1478</b>	
Težina Weight	kg/m	0.424
Opseg Perimeter	mm	146
L	mm	6500

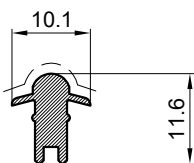


Profil Profile		
Art.-Br. Art.-Nr.	<b>F-1481</b>	
Težina Weight	kg/m	2.206
Opseg Perimeter	mm	819
Moment inercije Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	65.78
	I <sub>y</sub> (cm <sup>4</sup> )	130.42
	W <sub>x</sub> (cm <sup>3</sup> )	13.92
	W <sub>y</sub> (cm <sup>3</sup> )	22.86
L	mm	6500

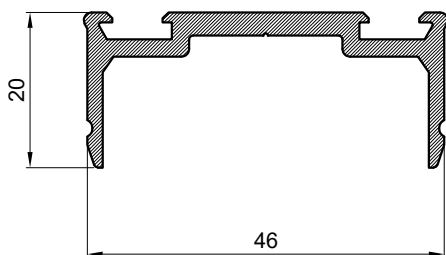
Al profil Al profile		
Art.Br. Art.Nr.	<b>F-1669</b>	
Težina Weight	kg/m'	<b>0.429</b>
Opseg Perimeter	mm	<b>163.34</b>
Moment inercije Moments of inertia	I <sub>x</sub> (cm <sup>4</sup> )	<b>2.7845</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>0.8150</b>
	W <sub>x</sub> (cm <sup>3</sup> )	<b>1.2993</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>0.4263</b>
L	mm	<b>6500</b>



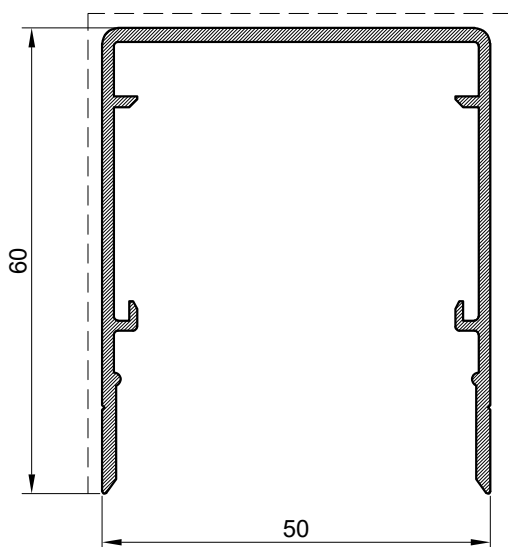
Al profil Al profile		
Art.Br. Art.Nr.	<b>F-1672</b>	
Težina Weight	kg/m'	<b>0.553</b>
Opseg Perimeter	mm	<b>209.34</b>
Moment inercije Moments of inertia	I <sub>x</sub> (cm <sup>4</sup> )	<b>7.2055</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>1.7653</b>
	W <sub>x</sub> (cm <sup>3</sup> )	<b>2.3169</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>0.6743</b>
L	mm	<b>6500</b>



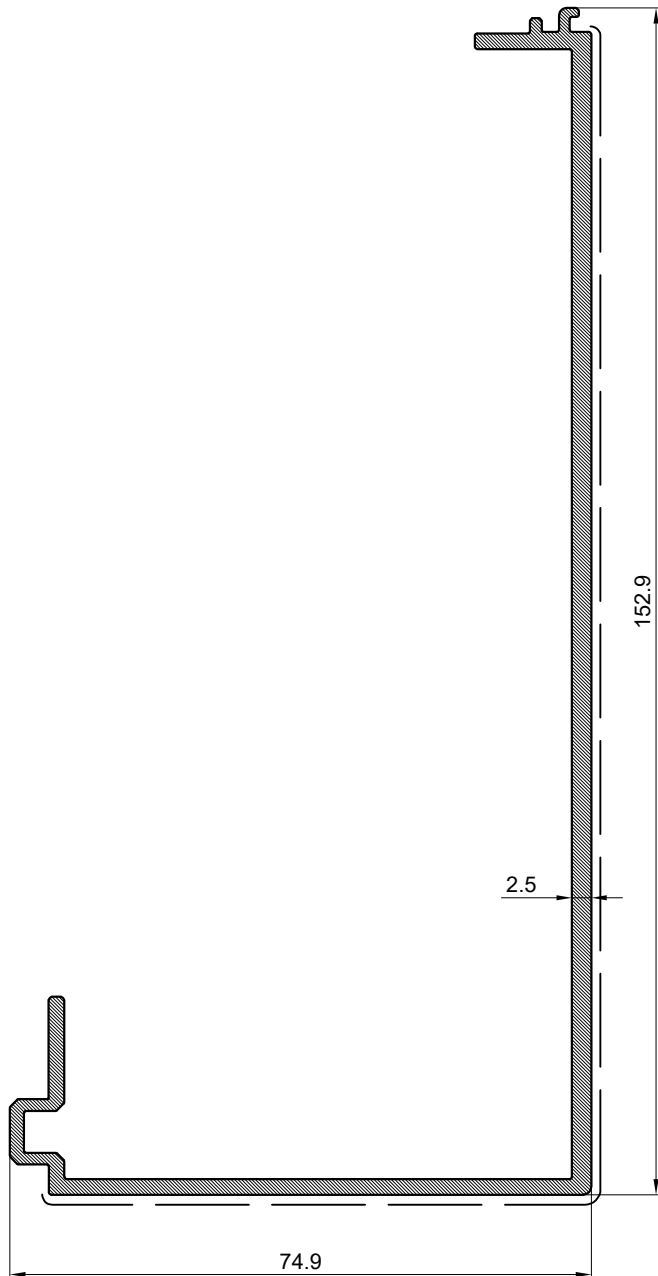
Profil vodilice Guide profile		
Art.-Br. Art.-Nr.	<b>F-1112</b>	
Težina Weight	kg/m	0.129
Opseg Perimeter	mm	46
L	mm	6500



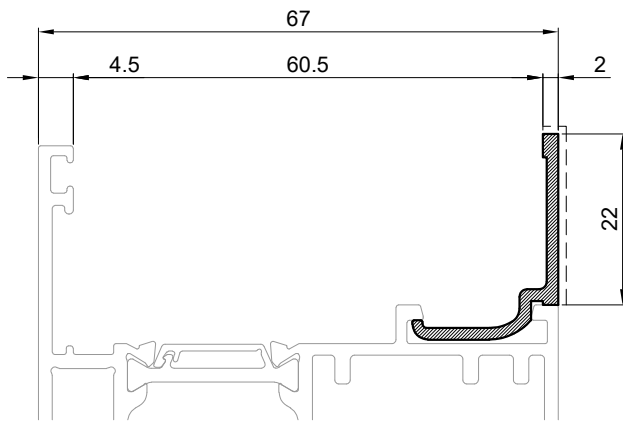
Profil ojačanja Reinforcement profile		
Art.-Br. Art.-Nr.	<b>FMO 50/20D</b>	
Težina Weight	kg/m	0.558
Opseg Perimeter	mm	185
L	mm	6500



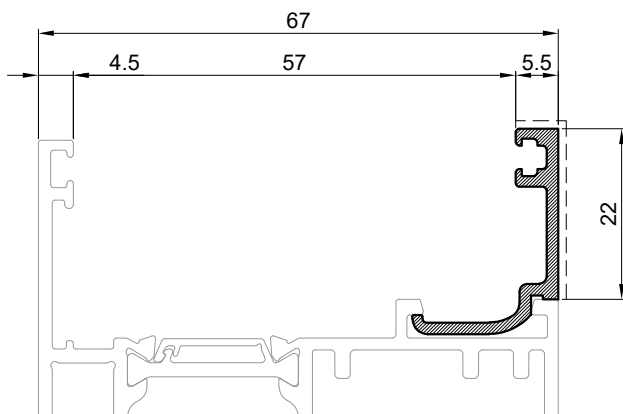
Profil ojačanja Reinforcement profile		
Art.-Br. Art.-Nr.	<b>FMO 50/61</b>	
Težina Weight	kg/m	0.785
Opseg Perimeter	mm	365
L	mm	6500



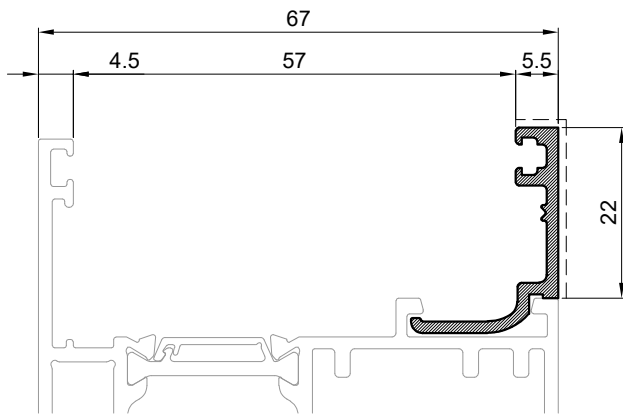
Profil Profile		
Art.-Br. Art.-Nr.	<b>F-1907</b>	
Težina Weight	kg/m	1.63
Opseg Perimeter	mm	541
Moment inercije Moment of inertia	I <sub>x</sub> (cm <sup>4</sup> )	165.04
	I <sub>y</sub> (cm <sup>4</sup> )	36.61
	W <sub>x</sub> (cm <sup>4</sup> )	17.12
	6.24	5.99
L	mm	6500



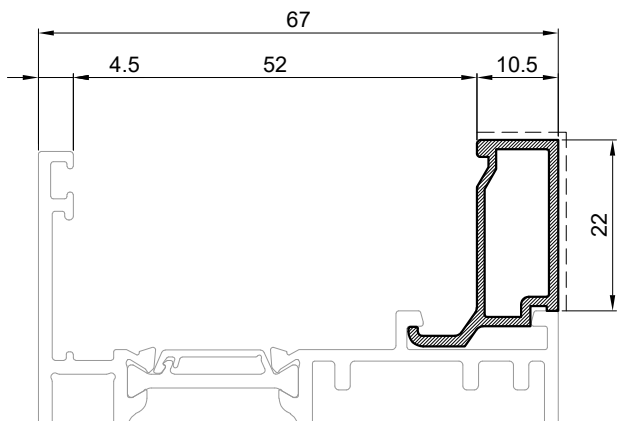
Staklolajsna Glazing bead		
Art.-Br. Art.-Nr.	<b>Z40-660</b>	
Težina Weight	kg/m	0.179
Opseg Perimeter	mm	89
L	mm	6500



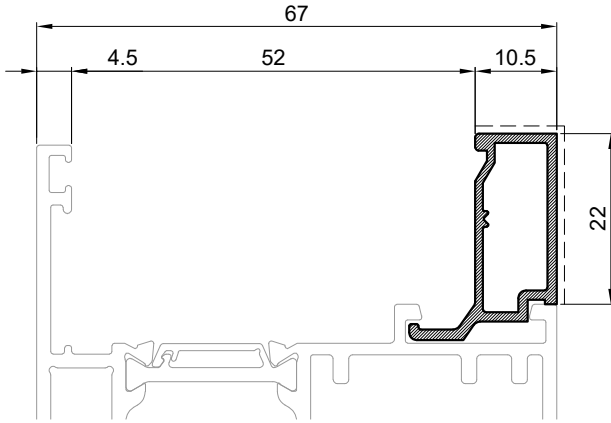
Staklolajsna Glazing bead		
Art.-Br. Art.-Nr.	<b>Z40-656</b>	
Težina Weight	kg/m	0.215
Opseg Perimeter	mm	107
L	mm	6500



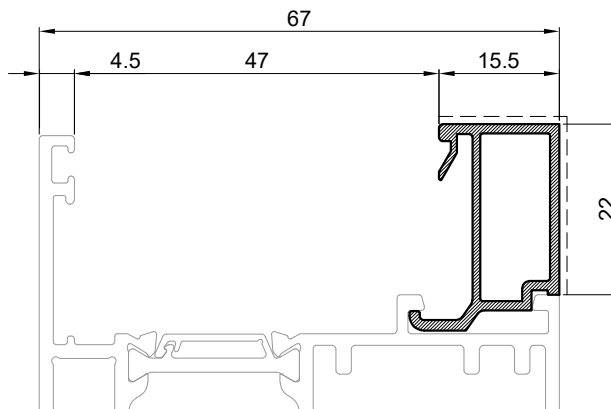
Staklolajsna Glazing bead		
Art.-Br. Art.-Nr.	<b>Z40-656-P</b>	
Težina Weight	kg/m	0.218
Opseg Perimeter	mm	108
L	mm	6500



Staklolajsna Glazing bead		
Art.-Br. Art.-Nr.	<b>Z40-664</b>	
Težina Weight	kg/m	0.243
Opseg Perimeter	mm	93
L	mm	6500



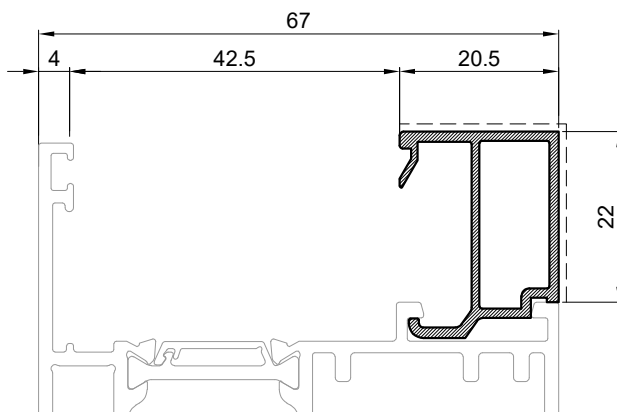
Staklolajsna Glazing bead		
Art.-Br. Art.-Nr.	<b>Z40-664-P</b>	
Težina Weight	kg/m	0.246
Opseg Perimeter	mm	93
L	mm	6500



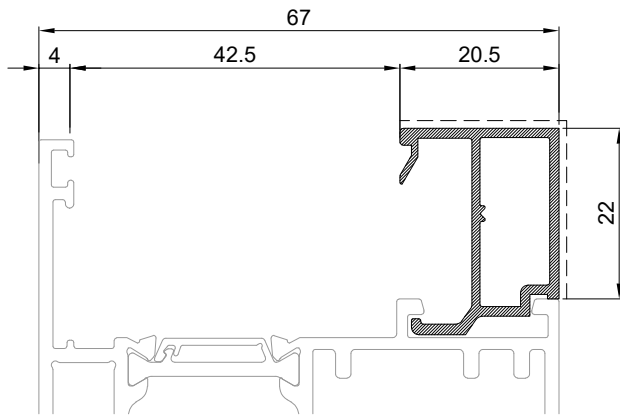
Staklolajsna Glazing bead		
Art.-Br. Art.-Nr.	<b>Z40-665</b>	
Težina Weight	kg/m	0.271
Opseg Perimeter	mm	112
L	mm	6500



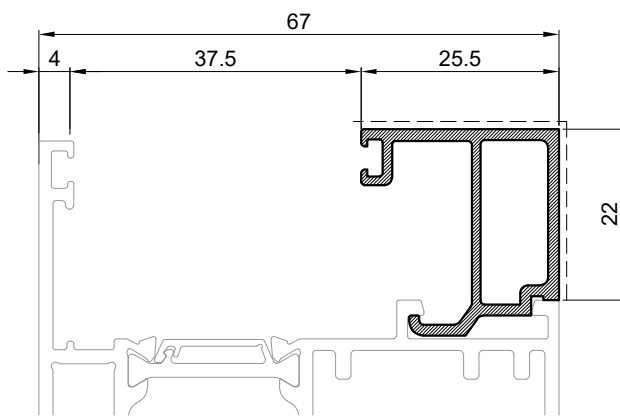
Staklolajsna Glazing bead		
Art.-Br. Art.-Nr.	<b>Z40-665-P</b>	
Težina Weight	kg/m	0.273
Opseg Perimeter	mm	111
L	mm	6500



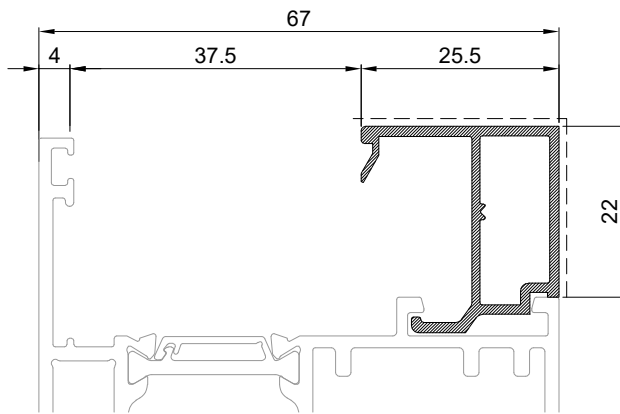
Staklolajsna Glazing bead		
Art.-Br. Art.-Nr.	<b>Z40-666</b>	
Težina Weight	kg/m	0.289
Opseg Perimeter	mm	122
L	mm	6500



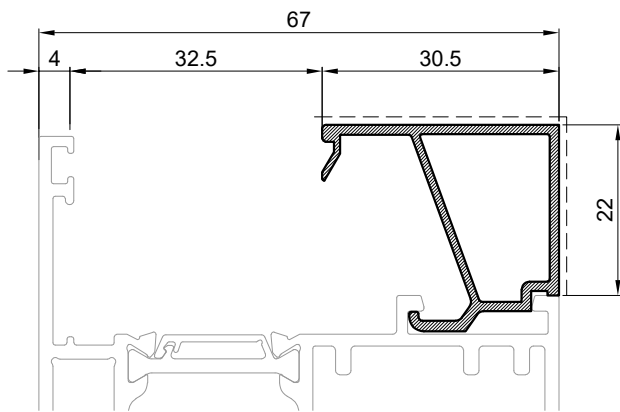
Staklolajsna Glazing bead		
Art.-Br. Art.-Nr.	<b>Z40-666-P</b>	
Težina Weight	kg/m	0.291
Opseg Perimeter	mm	122
L	mm	6500



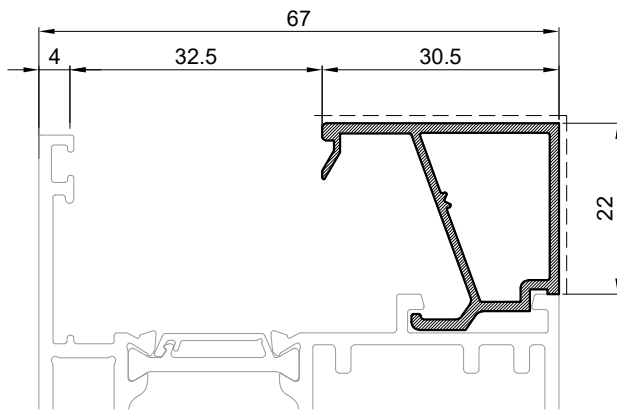
Staklolajsna Glazing bead		
Art.-Br. Art.-Nr.	<b>Z40-667</b>	
Težina Weight	kg/m	0.358
Opseg Perimeter	mm	139
L	mm	6500



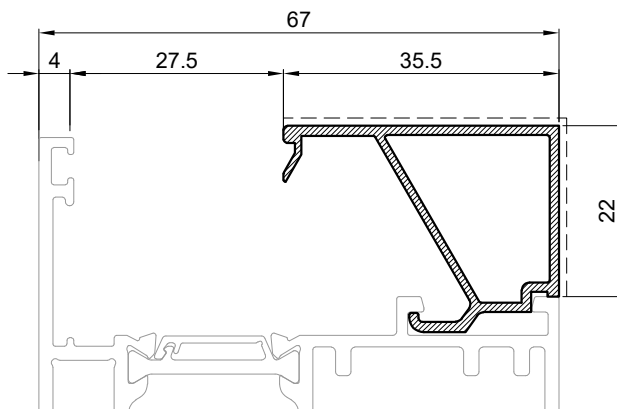
Staklolajsna Glazing bead		
Art.-Br. Art.-Nr.	<b>Z40-667-P</b>	
Težina Weight	kg/m	0.309
Opseg Perimeter	mm	131
L	mm	6500



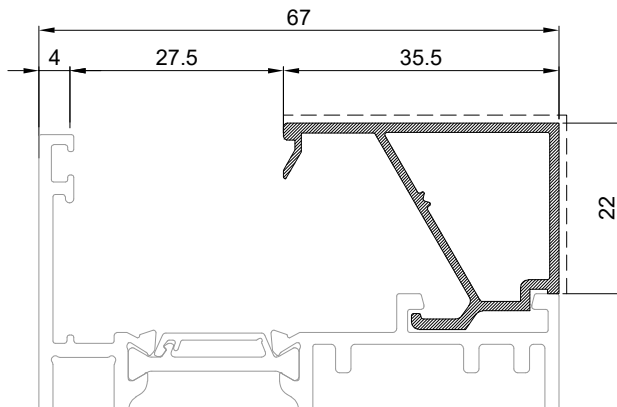
Staklolajsna Glazing bead		
Br. Br.	<b>Z40-668</b>	
Težina Weight	kg/m	0.326
Opseg Perimeter	mm	135
L	mm	6500



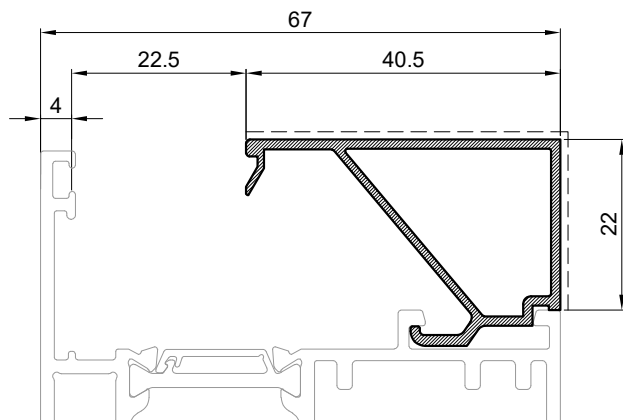
Staklolajsna Glazing bead		
Br. Br.	<b>Z40-668-P</b>	
Težina Weight	kg/m	0.328
Opseg Perimeter	mm	134
L	mm	6500



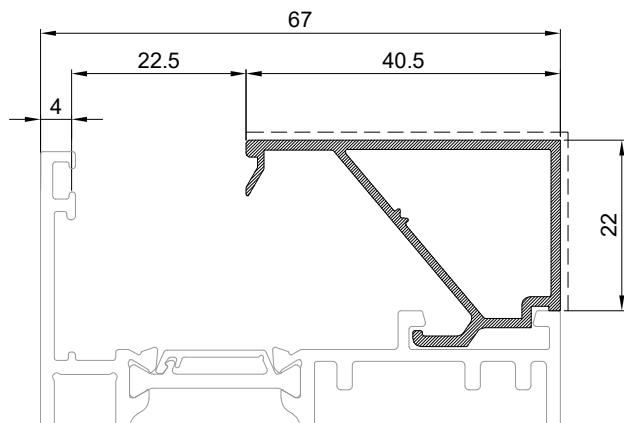
Staklolajsna Glazing bead		
Art.-Br. Art.-Nr.	<b>Z40-669</b>	
Težina Weight	kg/m	0.347
Opseg Perimeter	mm	143
L	mm	6500



Staklolajsna Glazing bead		
Art.-Br. Art.-Nr.	<b>Z40-669-P</b>	
Težina Weight	kg/m	0.350
Opseg Perimeter	mm	142
L	mm	6500



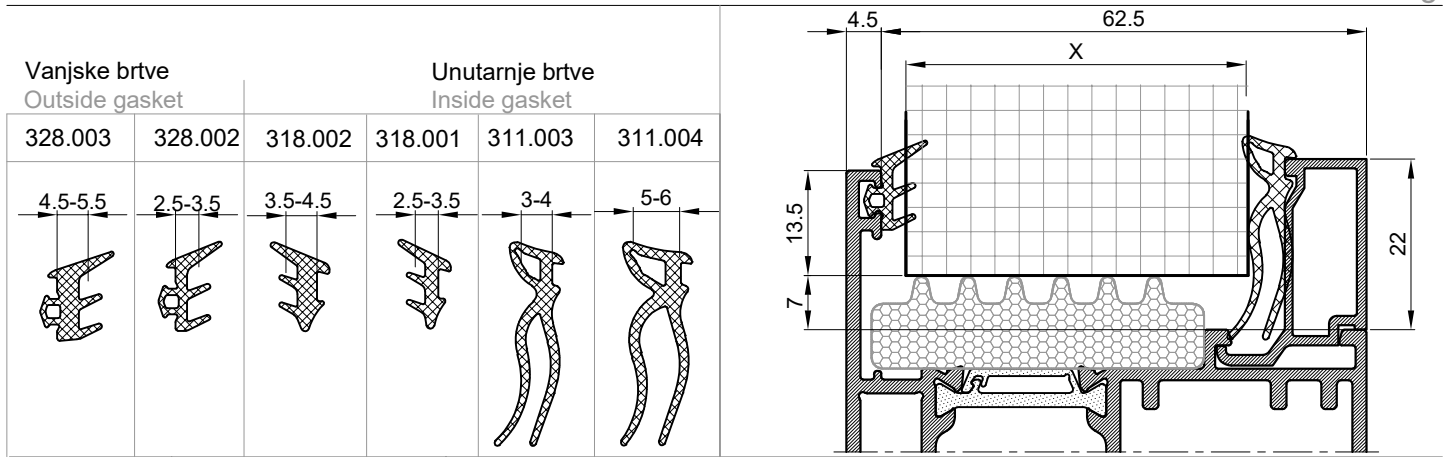
Staklo lajsna Glazing bead		
Art.-Br. Art.-Nr.	<b>Z40-670</b>	
Težina Weight	kg/m	0.373
Opseg Perimeter	mm	150
L	mm	6500



Staklo lajsna Glazing bead		
Art.-Br. Art.-Nr.	<b>Z40-670-P</b>	
Težina Weight	kg/m	0.375
Opseg Perimeter	mm	149
L	mm	6500

# Prikaz stakljenja Glazing





Ispuna X Glazing X	Vanjska brtva Outside gasket	Unutarnja brtva Inside gasket	LAJSNE ZA STAKLO Glazing bead		
10-11	328.003	311.004			
12-13	328.002	311.004			
14	328.002	311.003 (318.002)			
15-16	328.003	311.004			
17-18	328.002	311.004			
19	328.002	311.003 (318.002)			
20-21	328.003	311.004			
22-23	328.002	311.004			
24	328.002	311.003 (318.002)			
25-26	328.003	311.004			
27-28	328.002	311.004			
29	328.002	311.003 (318.002)			
30-31	328.003	311.004			
32-33	328.002	311.004			
34	328.002	311.003 (318.002)			
35-36	328.003	311.004			
37-38	328.002	311.004			
39	328.002	311.003 (318.002)			
40-41*	328.003	311.004			
42-43*	328.002	318.002*			
44	328.002	311.004			
45-46	328.003	311.004			
47-48	328.002	311.004			
49	328.002	311.003 (318.002)			
50	328.003	311.004			
51-52	328.002	311.004			
53	328.002	311.003 (318.002)			

Za profile: FT-1120F, FT-1121F, FT-1101F, FT-1102F, FT-1103F, FT-1130F i FT-1131F

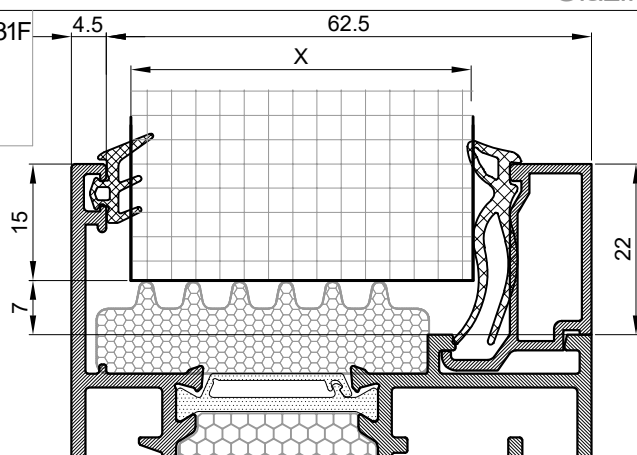
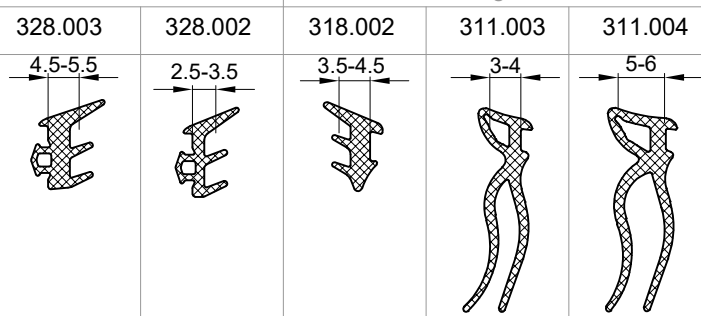
For profiles: FT-1120F, FT-1121F, FT-1101F, FT-1102F, FT-1103F, FT-1130F and FT-1131F

**Vanjske brtve**

Outside gasket

**Unutarnje brtve**

Inside gasket



Ispuna X Glazing X	Vanjska brtva Outside gasket	Unutarnja brtva Inside gasket	LAJSNE ZA STAKLO Glazing bead	
10-11	328.003	311.004	<p><b>Z40-670</b></p>	
12-13	328.002	311.004		
14	328.002	311.003 (318.002)		
15-16	328.003	311.004	<p><b>Z40-669</b></p>	<p><b>Z40-659</b></p>
17-18	328.002	311.004		
19	328.002	311.003 (318.002)	<p><b>Z40-668</b></p>	<p><b>Z40-653</b></p>
20-21	328.003	311.004		
22-23	328.002	311.004	<p><b>Z40-667</b></p>	<p><b>Z40-658</b></p>
24	328.002	311.003 (318.002)		
25-26	328.003	311.004		
27-28	328.002	311.004	<p><b>Z40-666</b></p>	<p><b>Z40-644</b></p>
29	328.002	311.003 (318.002)		
30-31	328.003	311.004	<p><b>Z40-665</b></p>	<p><b>Z40-665</b></p>
32-33	328.002	311.004		
34	328.002	311.003 (318.002)		
35-36	328.003	311.004	<p><b>Z40-664</b></p>	<p><b>Z40-636</b></p>
37-38	328.002	311.004		
39	328.002	311.003 (318.002)	<p><b>Z40-656</b></p>	
40-41	328.003	311.004		
42-43	328.002	311.004		
44	328.002	311.003 (318.002)	<p><b>Z40-660</b></p>	
45-46	328.003	311.004		
47-48	328.002	311.004		
49	328.002	311.003 (318.002)		
50	328.003	311.004		
51-52	328.002	311.004		
53	328.002	311.003 (318.002)		

Za profile: FT-1135F

For profiles: FT-1135F

Vanjske brtve Outside gasket		Unutarnje brtve Inside gasket				
328.003	328.002	318.002	311.003	311.004	311.005	

Ispuna X Glazing X	Vanjska brtva Outside gasket	Unutarnja brtva Inside gasket	LAJSNE ZA STAKLO Glazing bead
15	328.003	311.005	
16	328.003	311.005	
17	328.002	311.005	
18	328.002	311.005	
19	328.002	311.004	
20	328.003	318.002	
21	328.003	311.005	
23	328.002	311.005	
24	328.002	311.005	
25	328.003	318.002 (311.003)	
26	328.003	318.002	
27	328.002	318.002 (311.003)	
29	328.002	318.005	
30	328.003	318.002	
31	328.003	318.002	
32	328.002	318.002	
33	328.002	318.002 (311.003)	
35	328.003	311.004	
36	328.003	318.002	
37	328.002	311.004	
38	328.002	311.002	
39	328.002	318.002 (311.003)	
40	328.003	311.005	
41	328.003	311.004	
42	328.002	311.005	
43	328.002	311.004	
44	328.002	318.002	

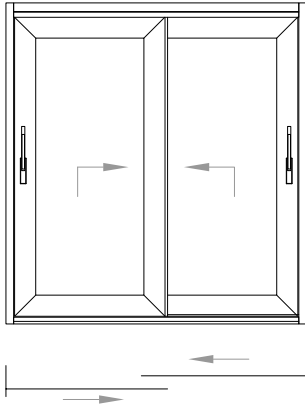


# Presjeci (Termo 150)

## Cross sections (Termo 150)

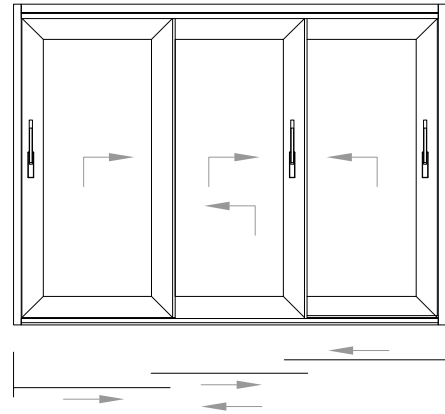
**Tipologija**  
Typology

**Shema A**  
Scheme A



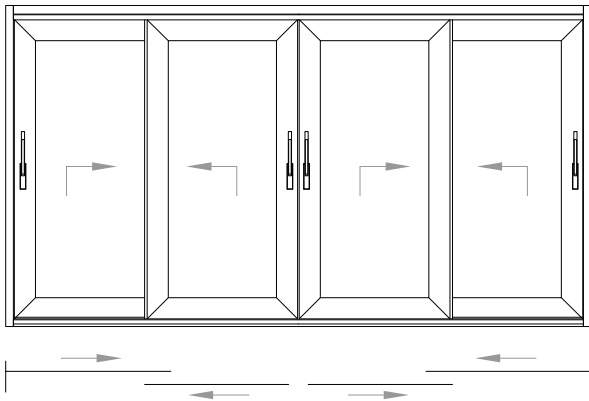
**Dvokrilna podizno-klizna vrata**  
Double sash Lift & Slide door

**Shema H**  
Scheme H



**Trokrlina podizno-klizna vrata**  
Triple sash Lift & Slide door

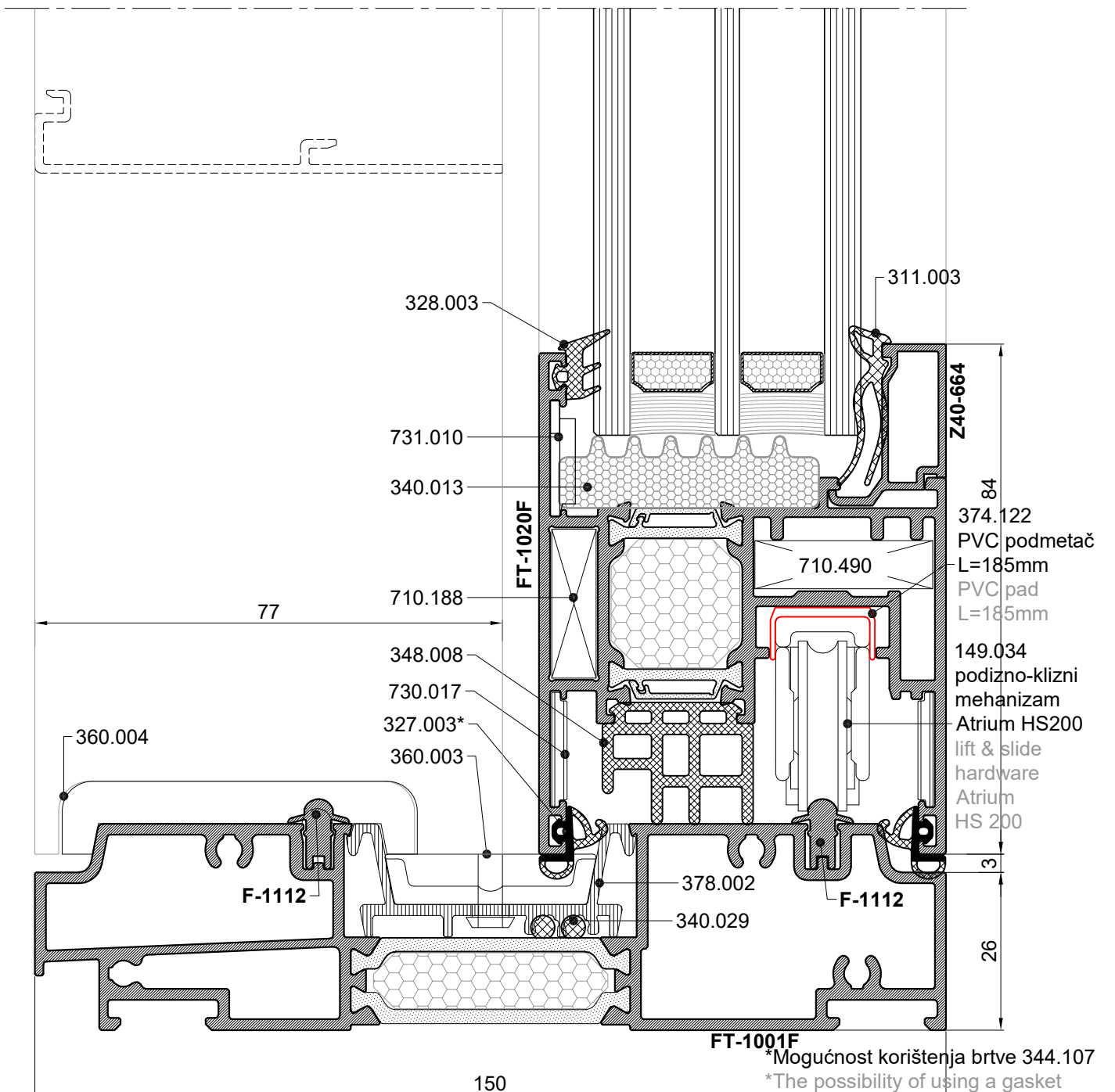
**Shema F**  
Scheme F

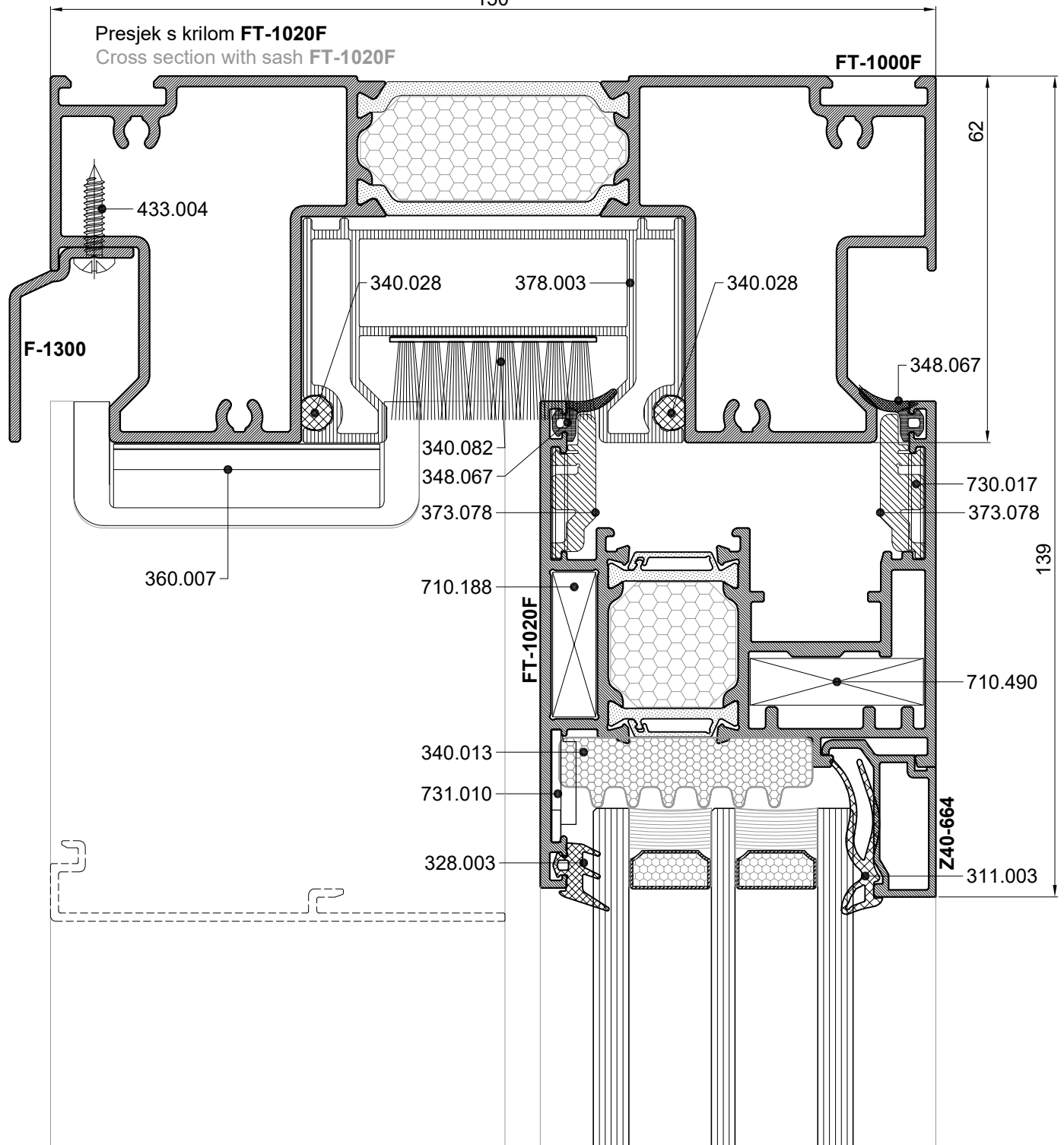
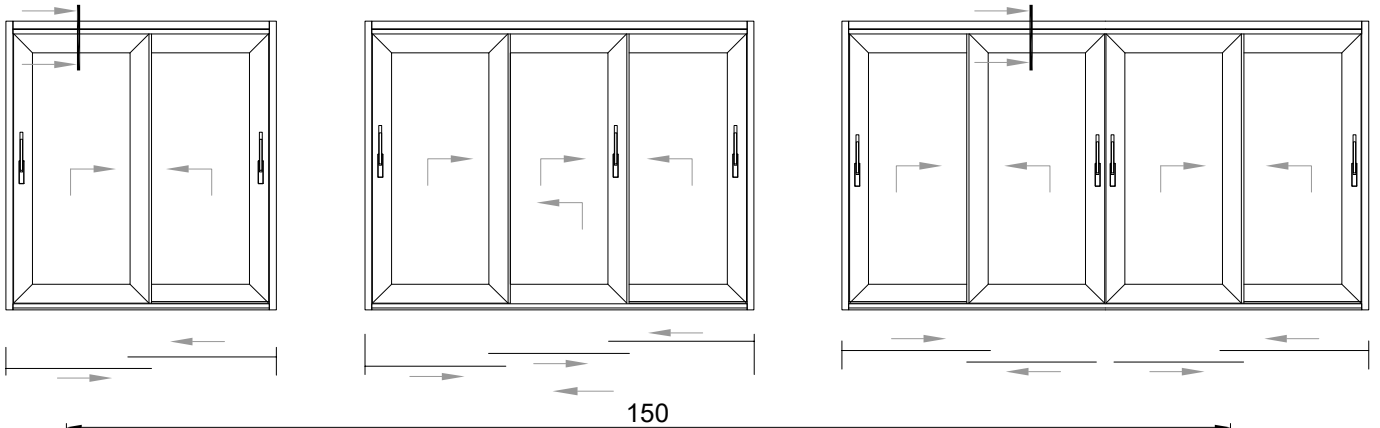


**Četverokrilna podizno-klizna vrata**  
Four sash Lift & Slide door



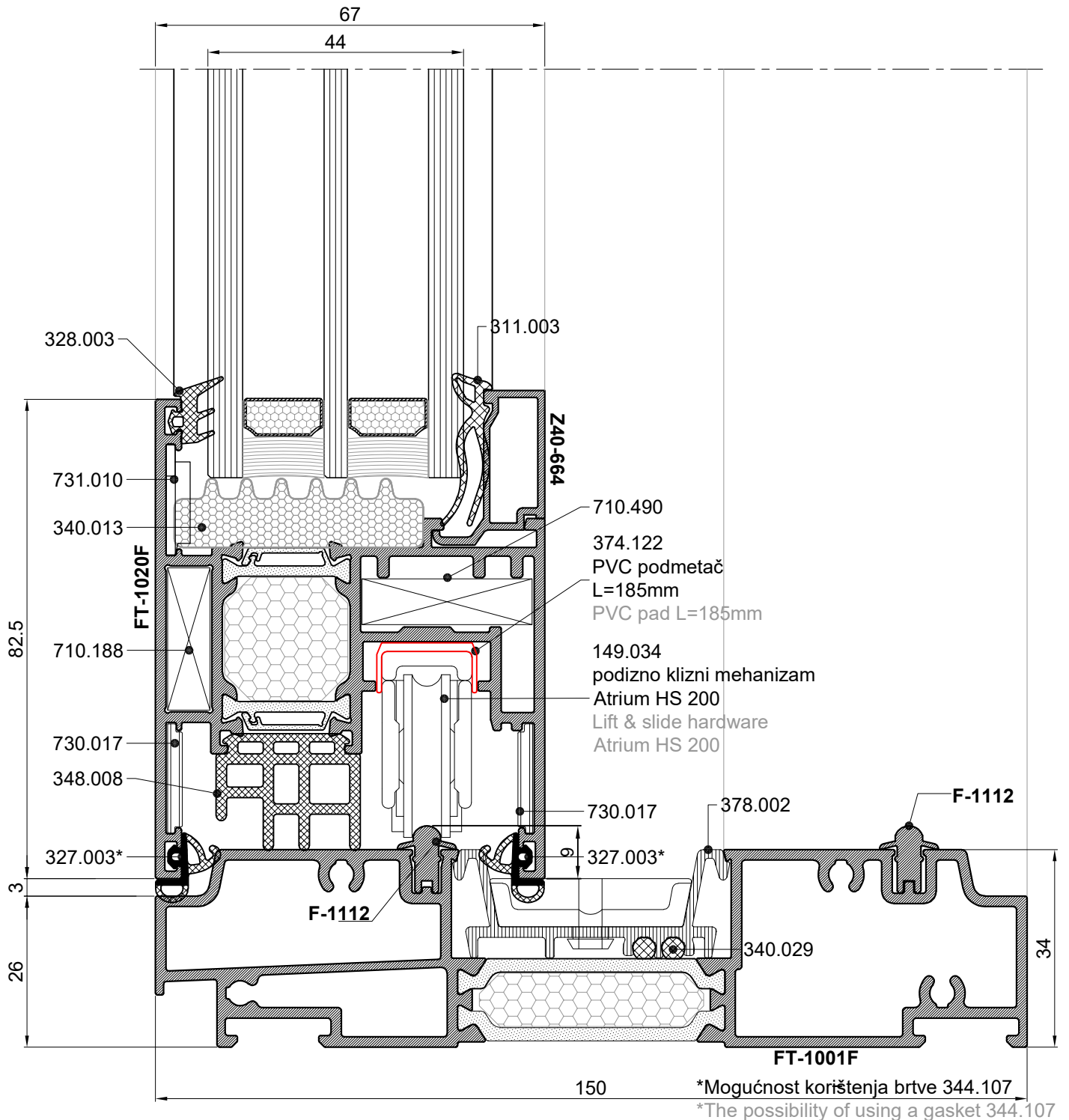
Presjek s krilom FT-1020F  
Cross section with sash FT-1020F





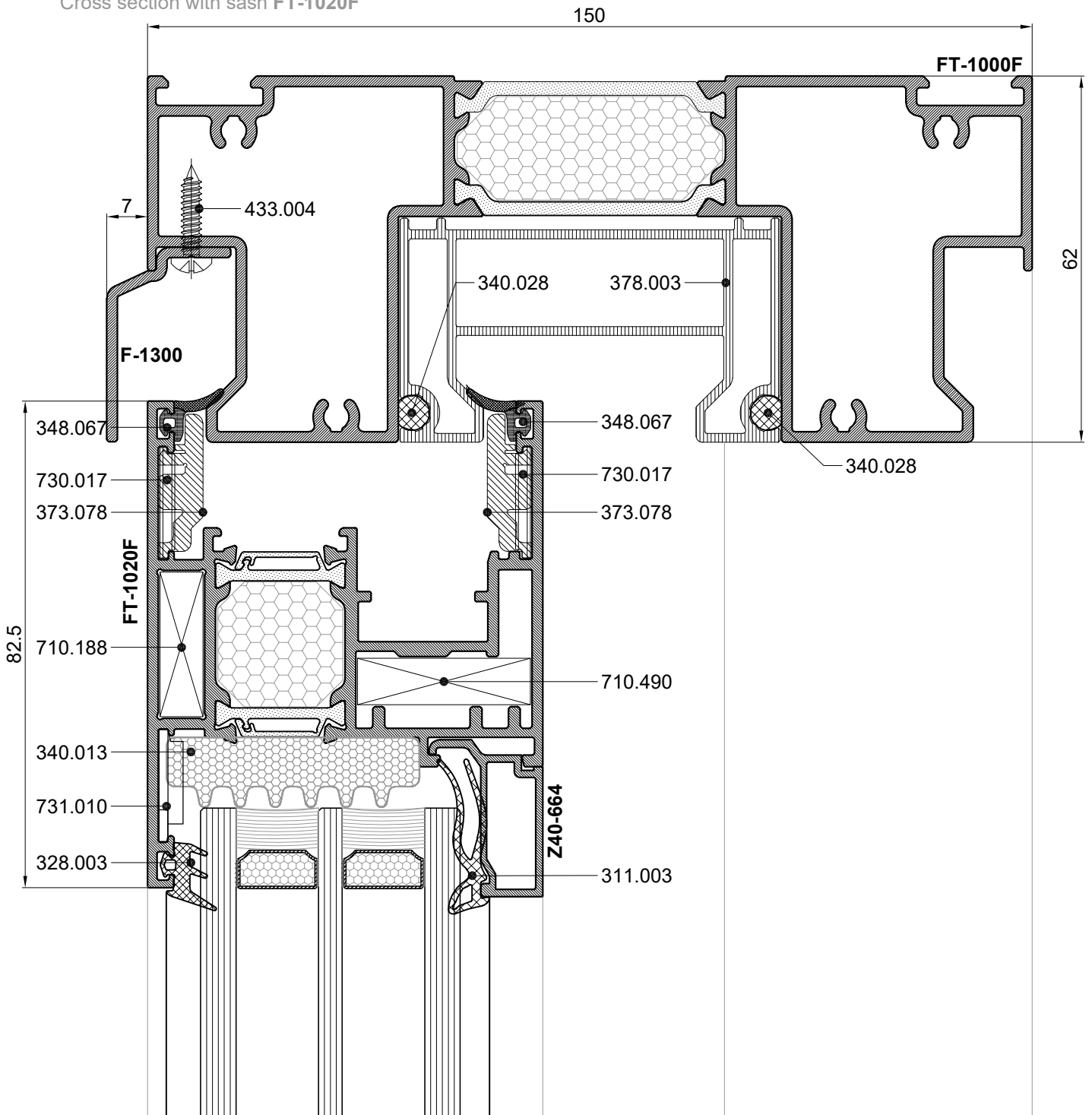


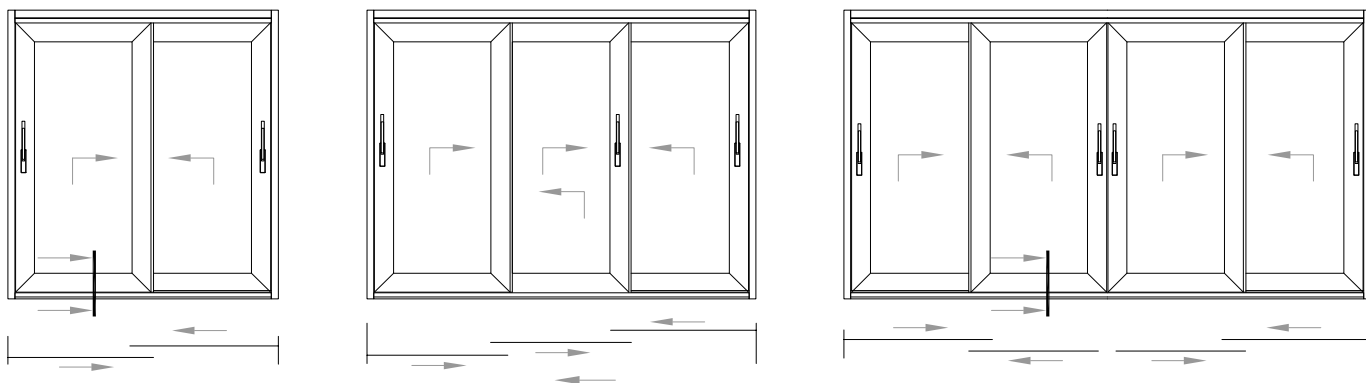
Presjek s krilom FT-1020F  
Cross section with sash FT-1020F



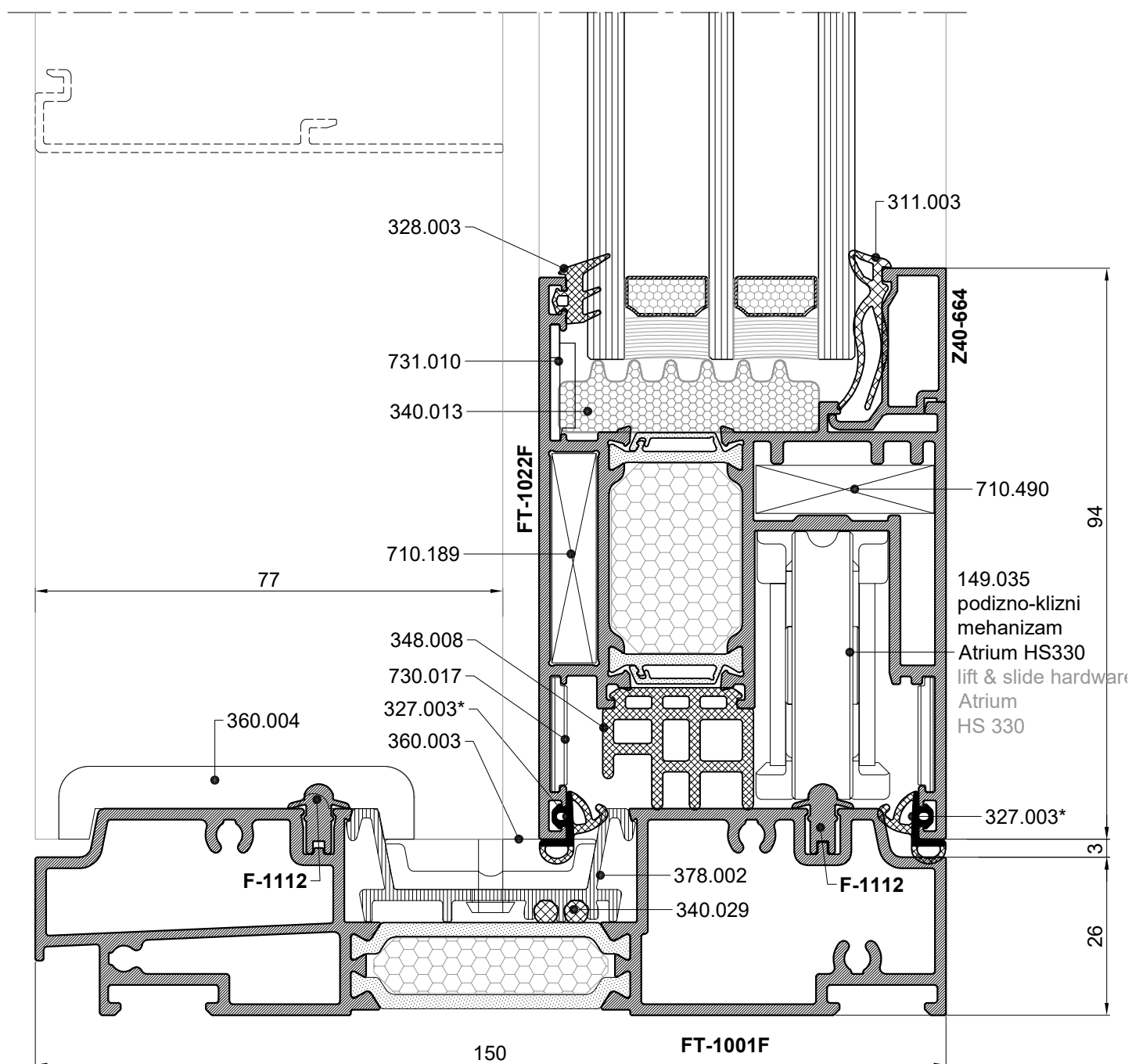


Presjek s krilom **FT-1020F**  
Cross section with sash **FT-1020F**



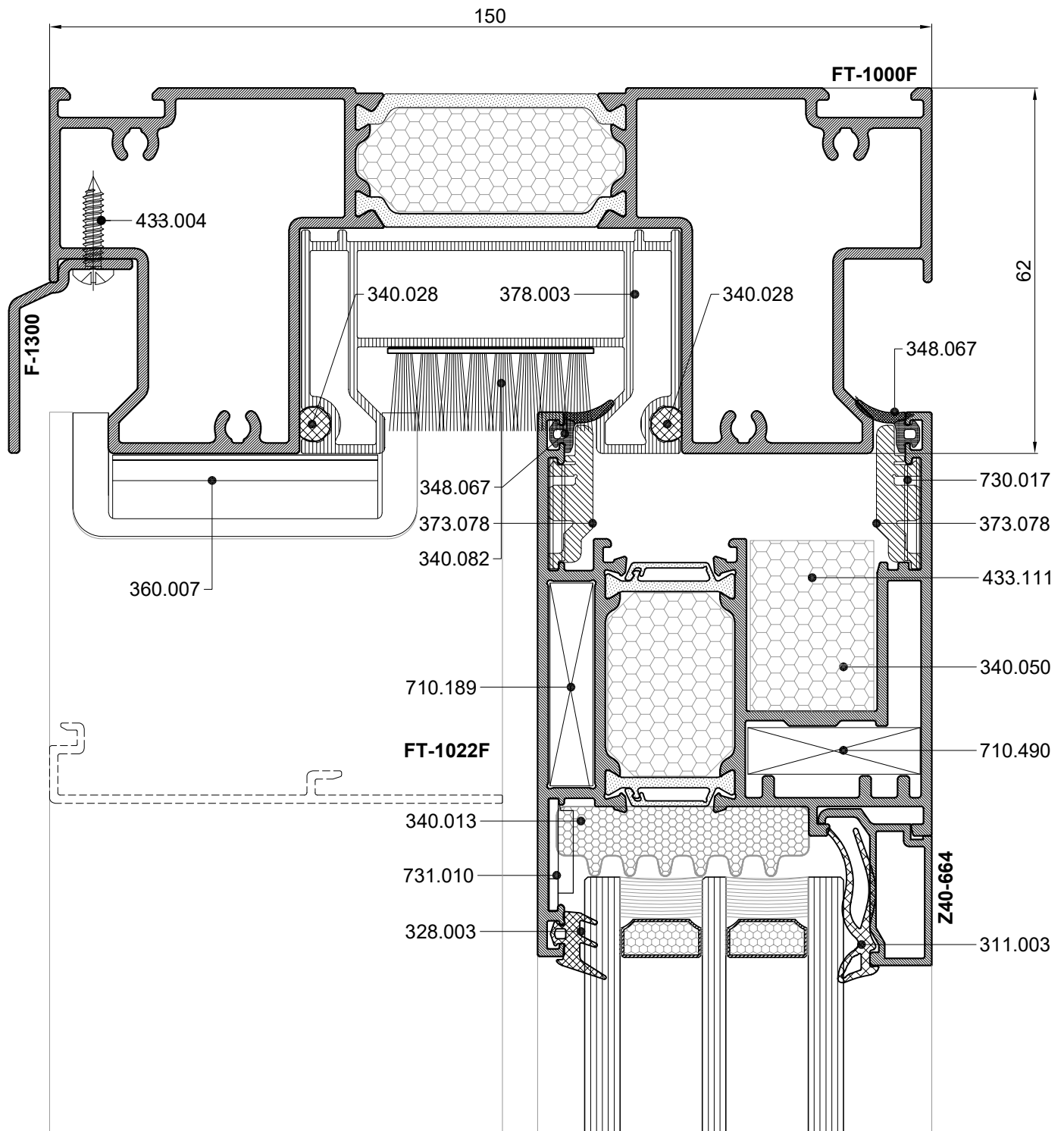
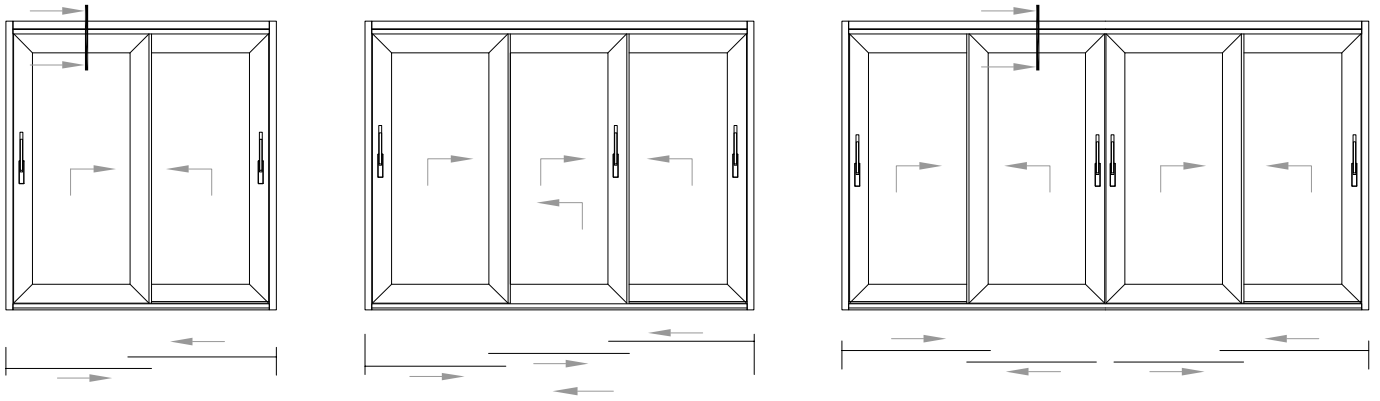


Presjek s krilom **FT-1022F**  
Cross section with sash **FT-1022F**



\*Mogućnost korištenja brtve 344.107

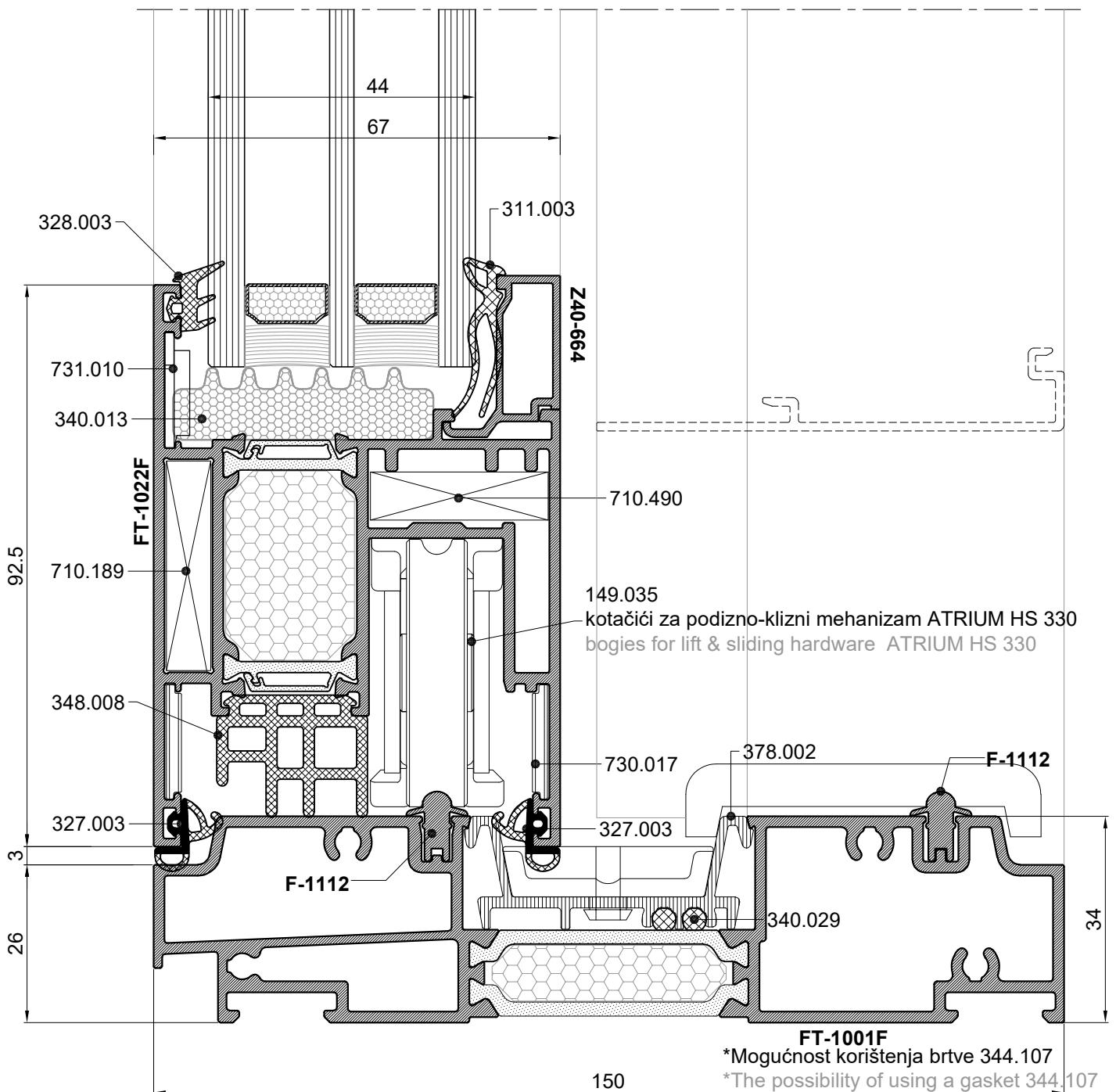
\*The possibility of using a gasket 344.107

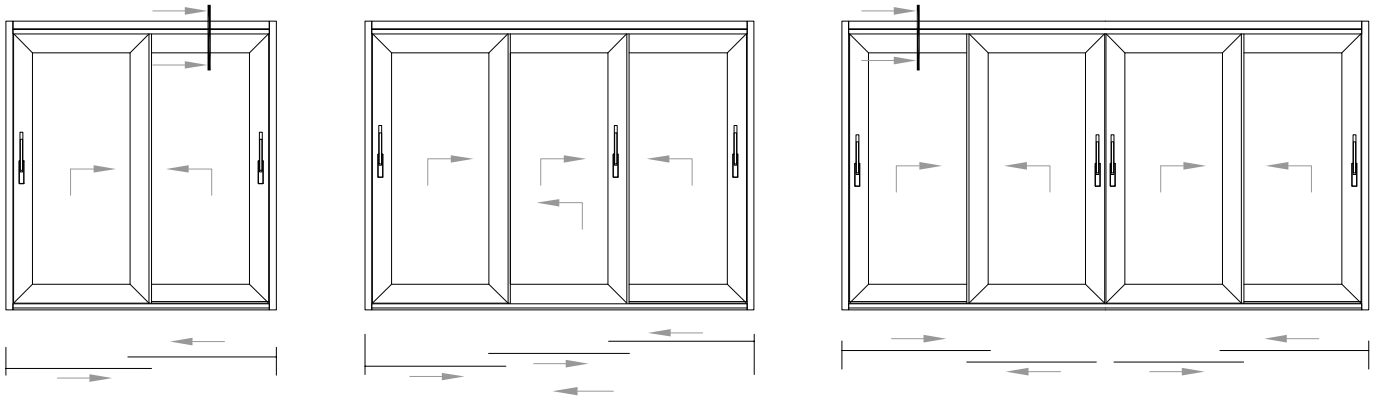




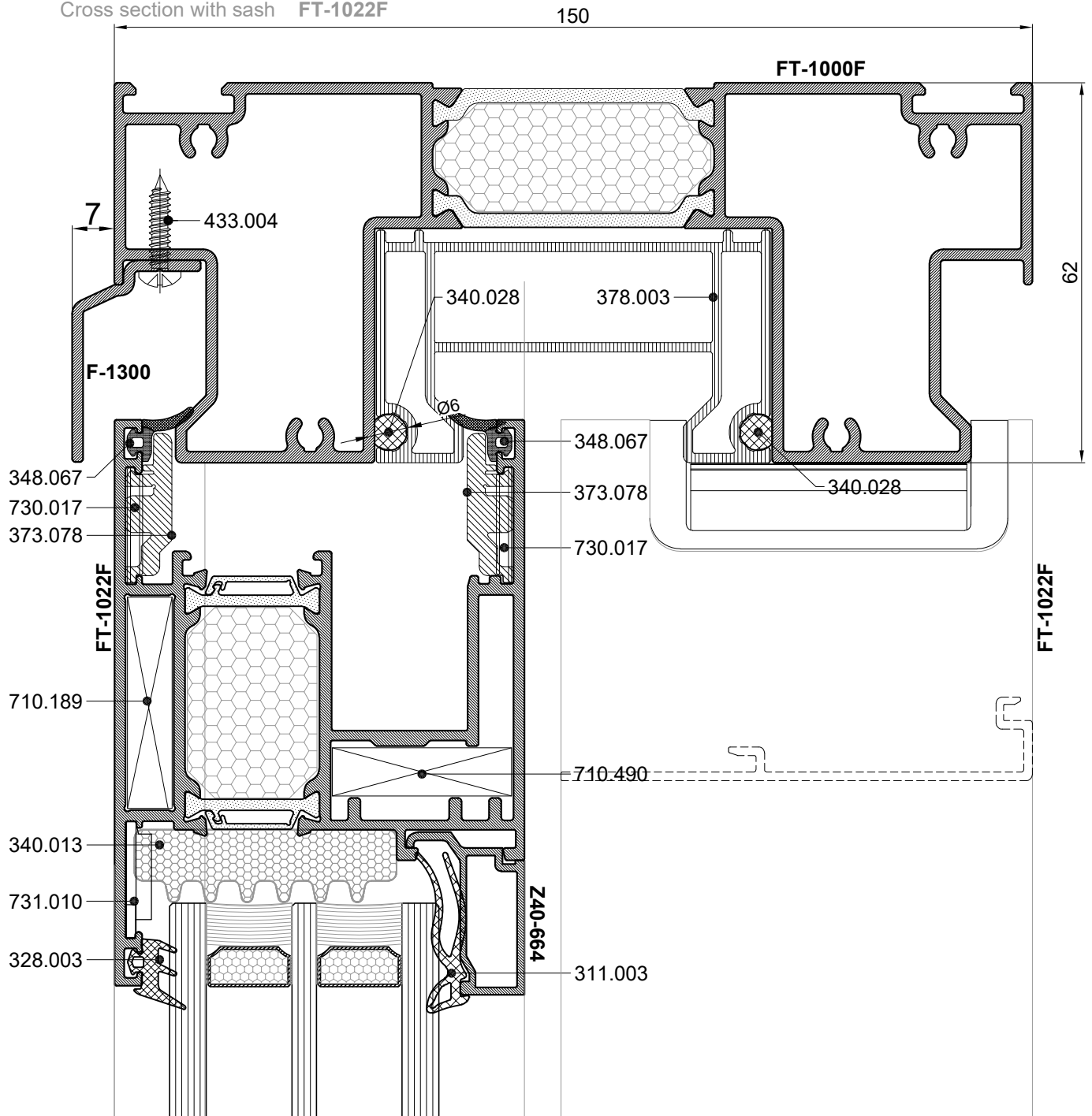
**Presjek s krilom FT-1022F**

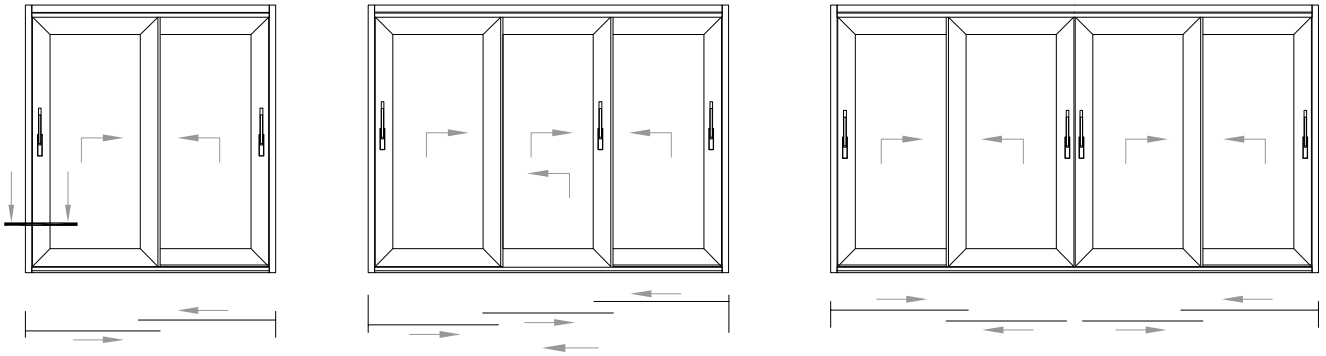
Cross section with sash FT-1022F



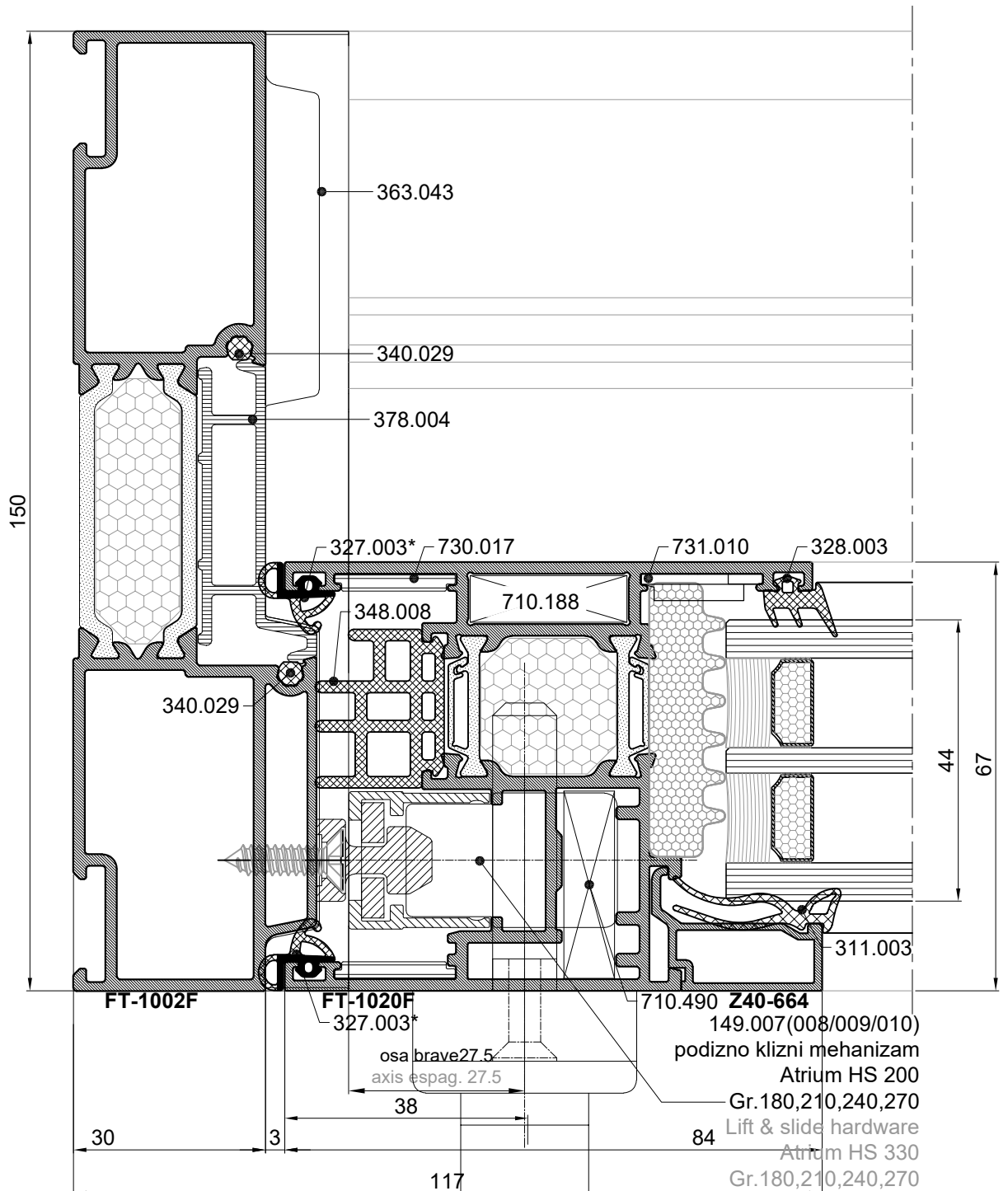


Presjek s krilom **FT-1022F**  
Cross section with sash **FT-1022F**





Presjek s krilom **FT-1020F**  
Cross section with sash **FT-1020F**

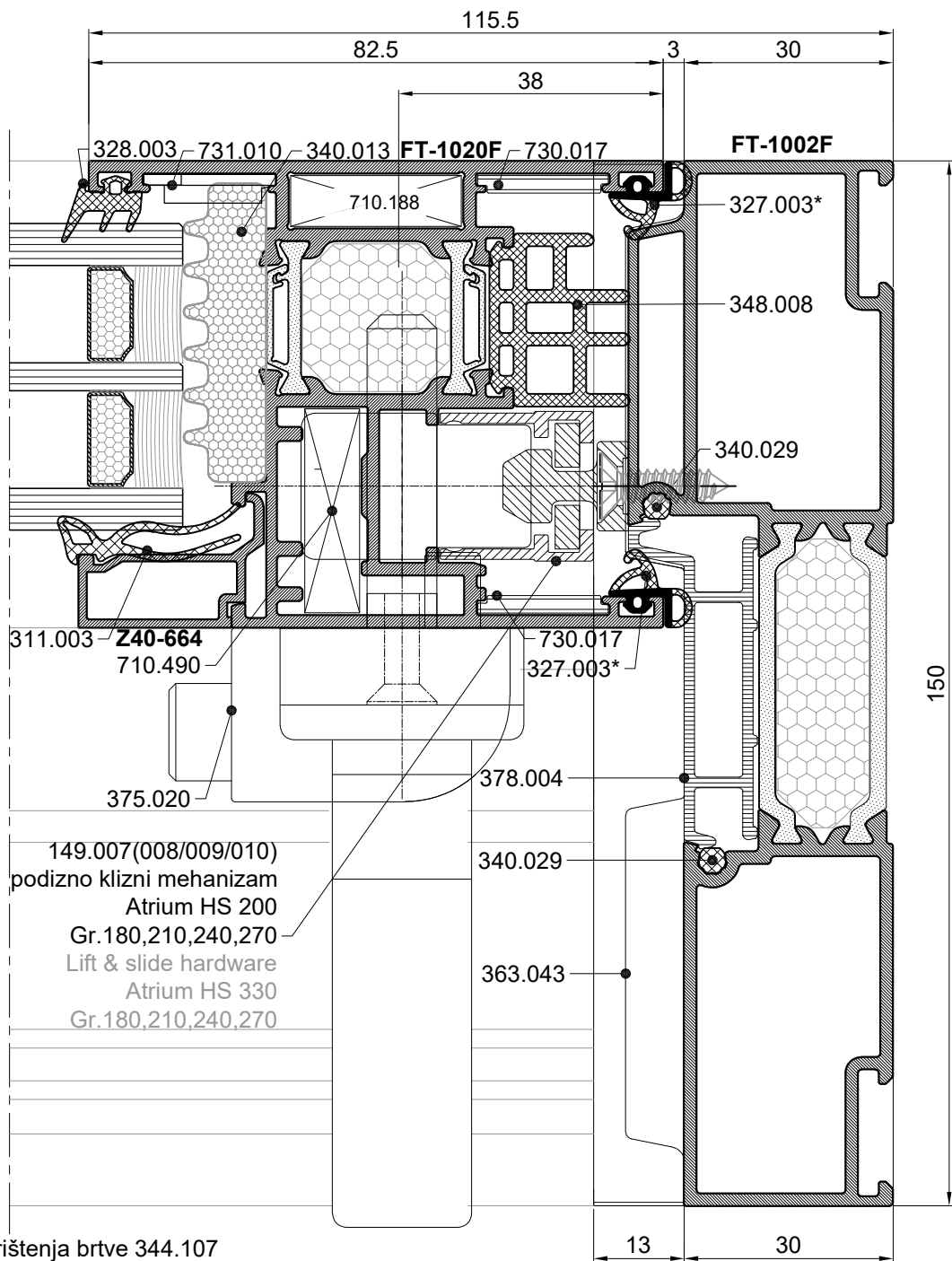


\*Mogućnost korištenja brtve 344.107

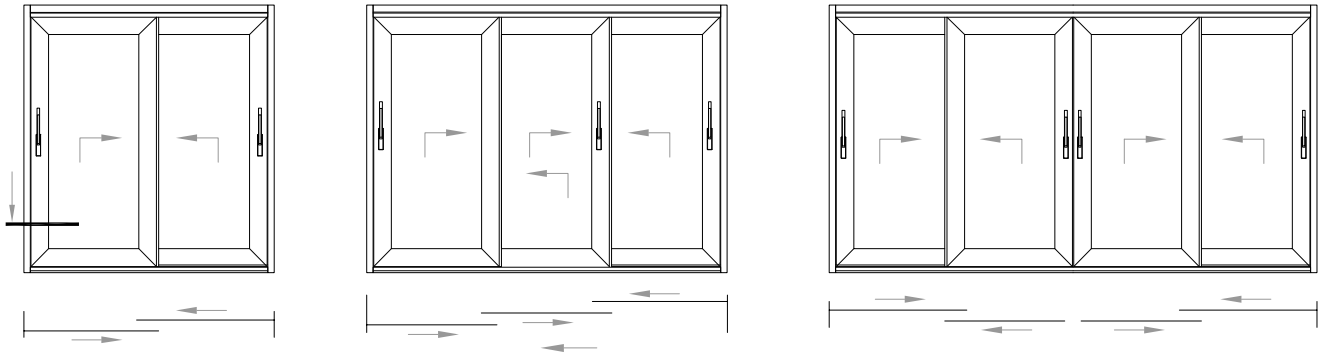
\*The possibility of using a gasket 344.107



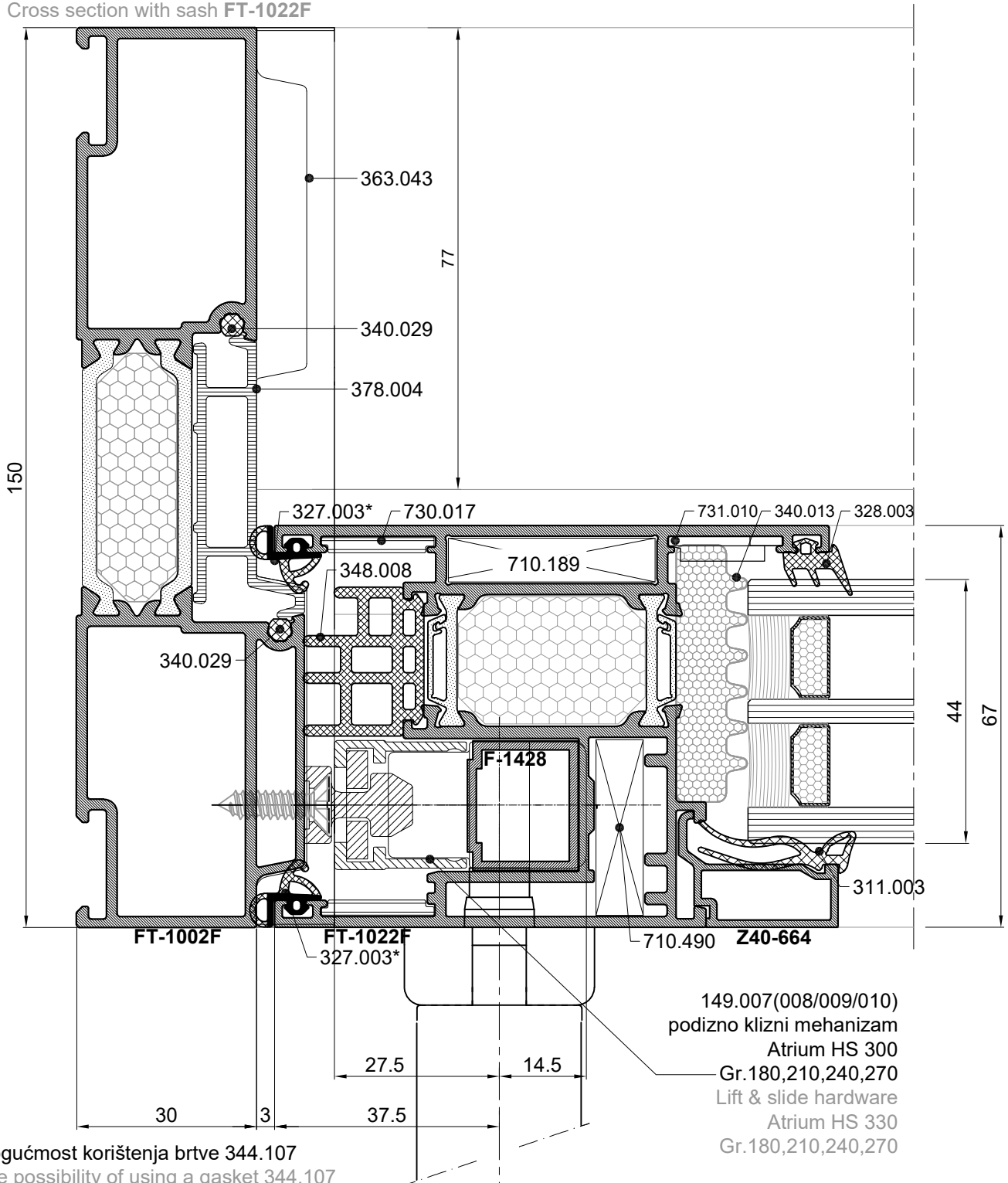
Presjek s krilom **FT-1020F**  
Cross section with sash **FT-1020F**

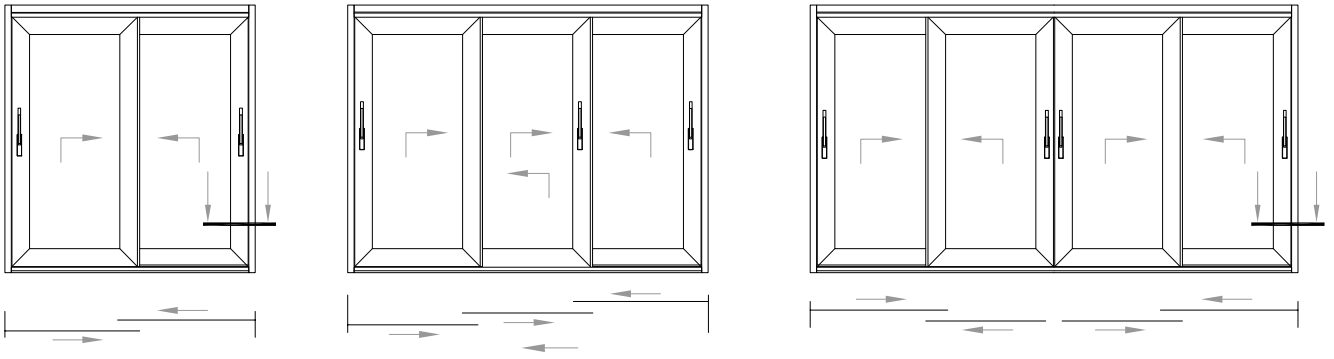


\*Mogućnost korištenja brtve 344.107  
\*The possibility of using a gasket 344.107

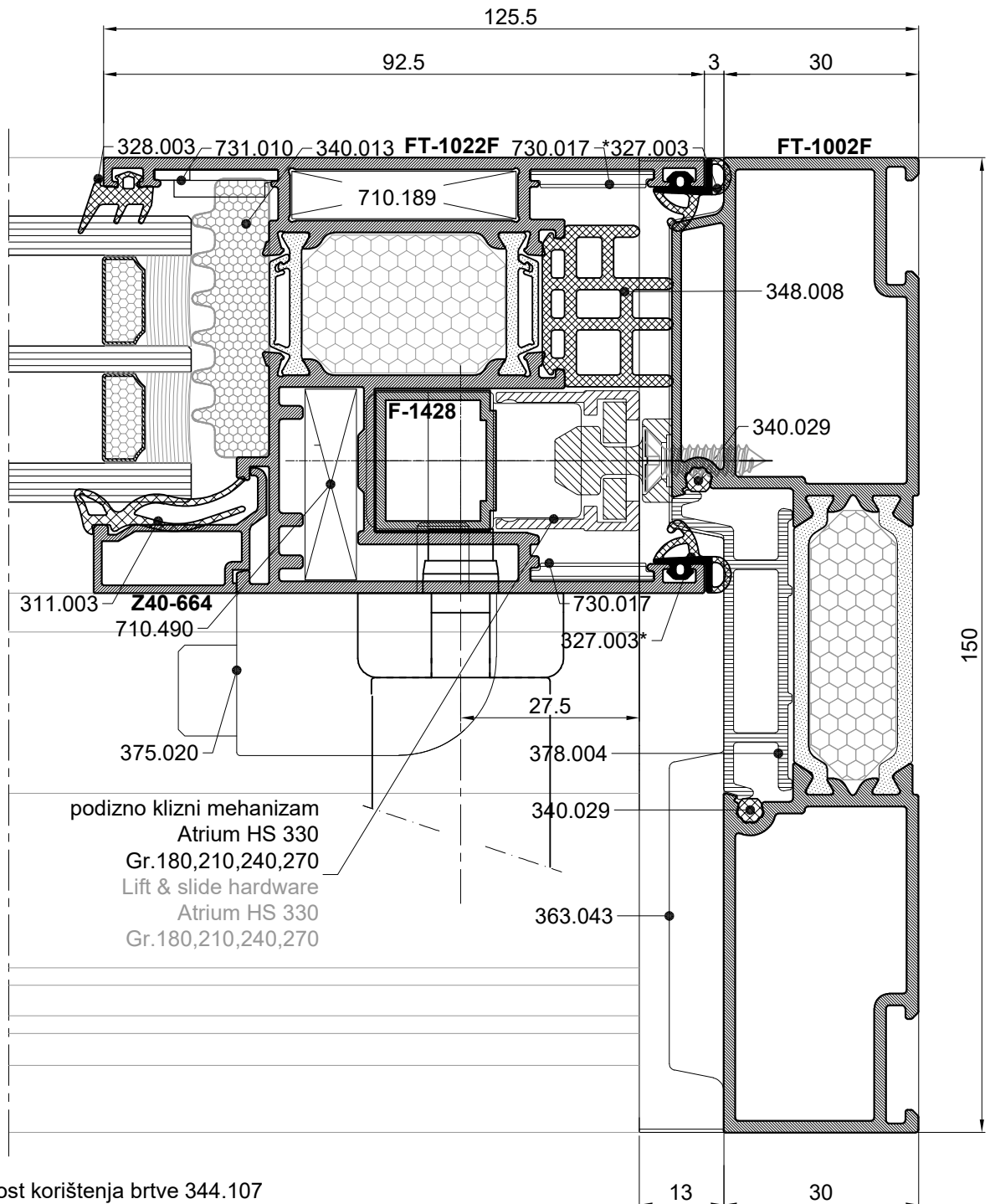


Presjek s krilom **FT-1022F**  
Cross section with sash **FT-1022F**

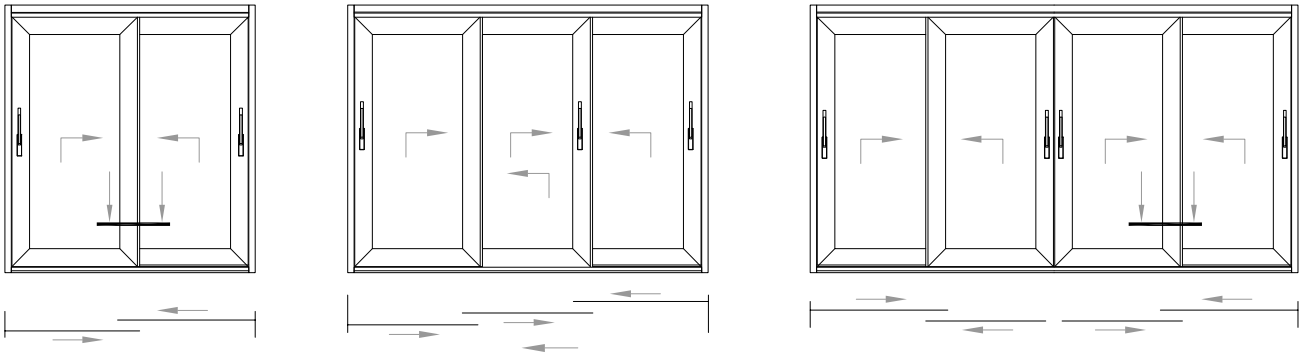




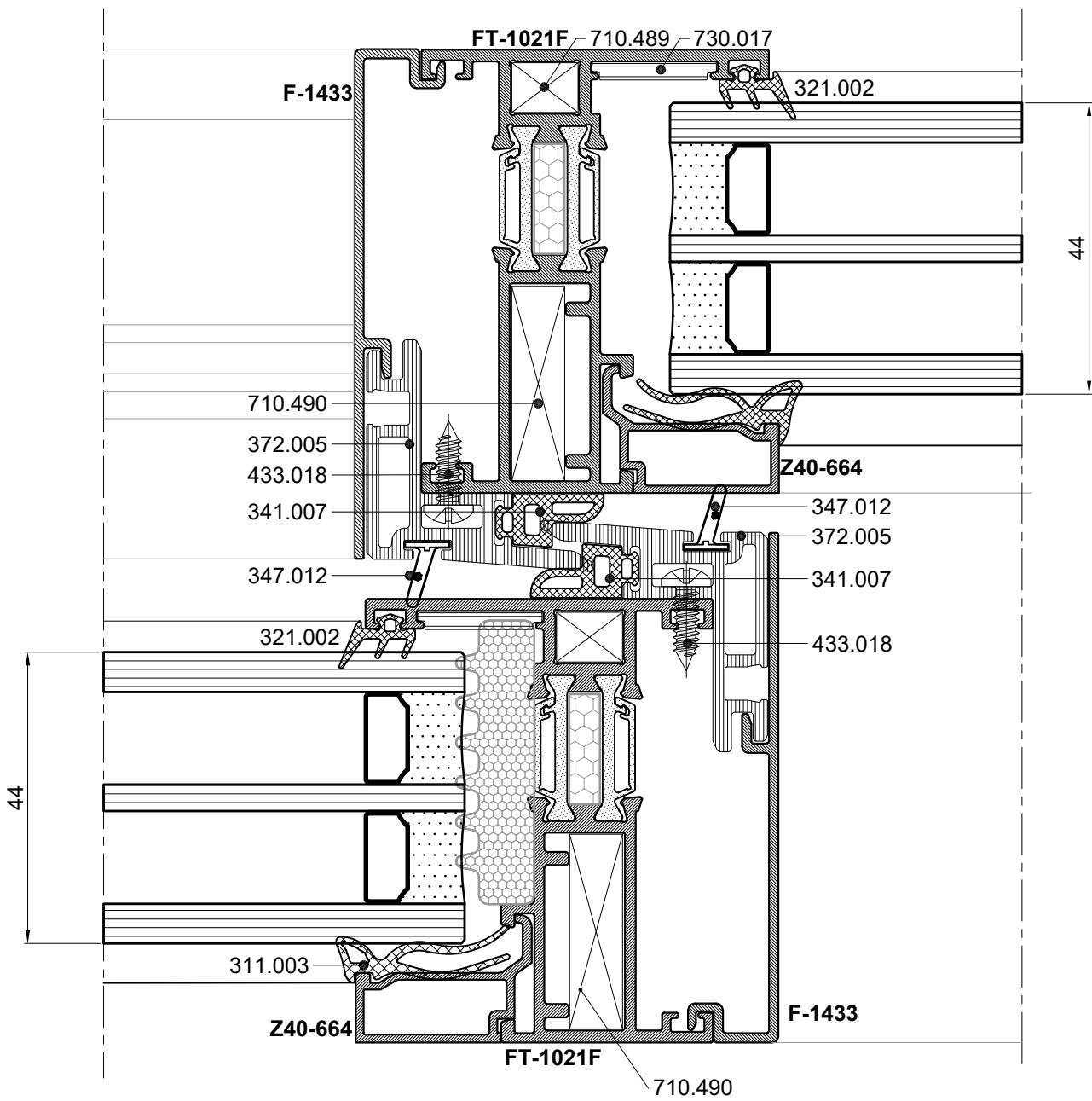
Presjek s krilom **FT-1022F**  
Cross section with sash **FT-1022F**

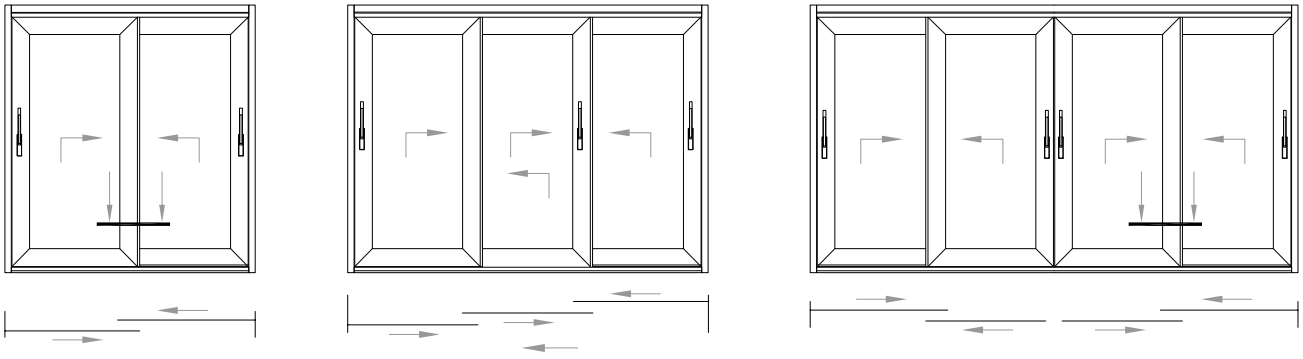


\*Mogućnost korištenja brtve 344.107  
\*The possibility of using a gasket 344.107

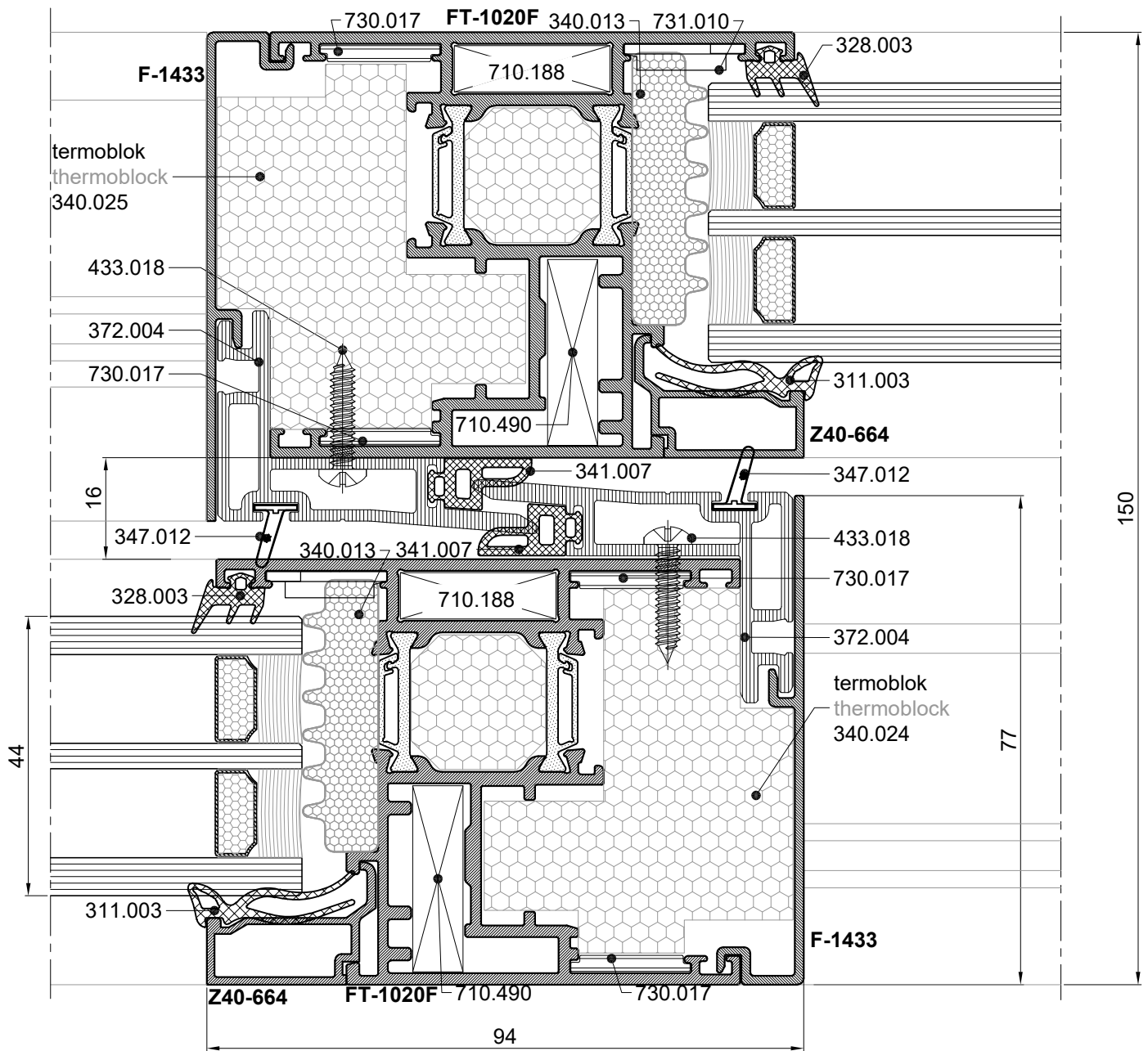


Presjek s krilom FT-1021F  
Cross section with sash FT-1021F



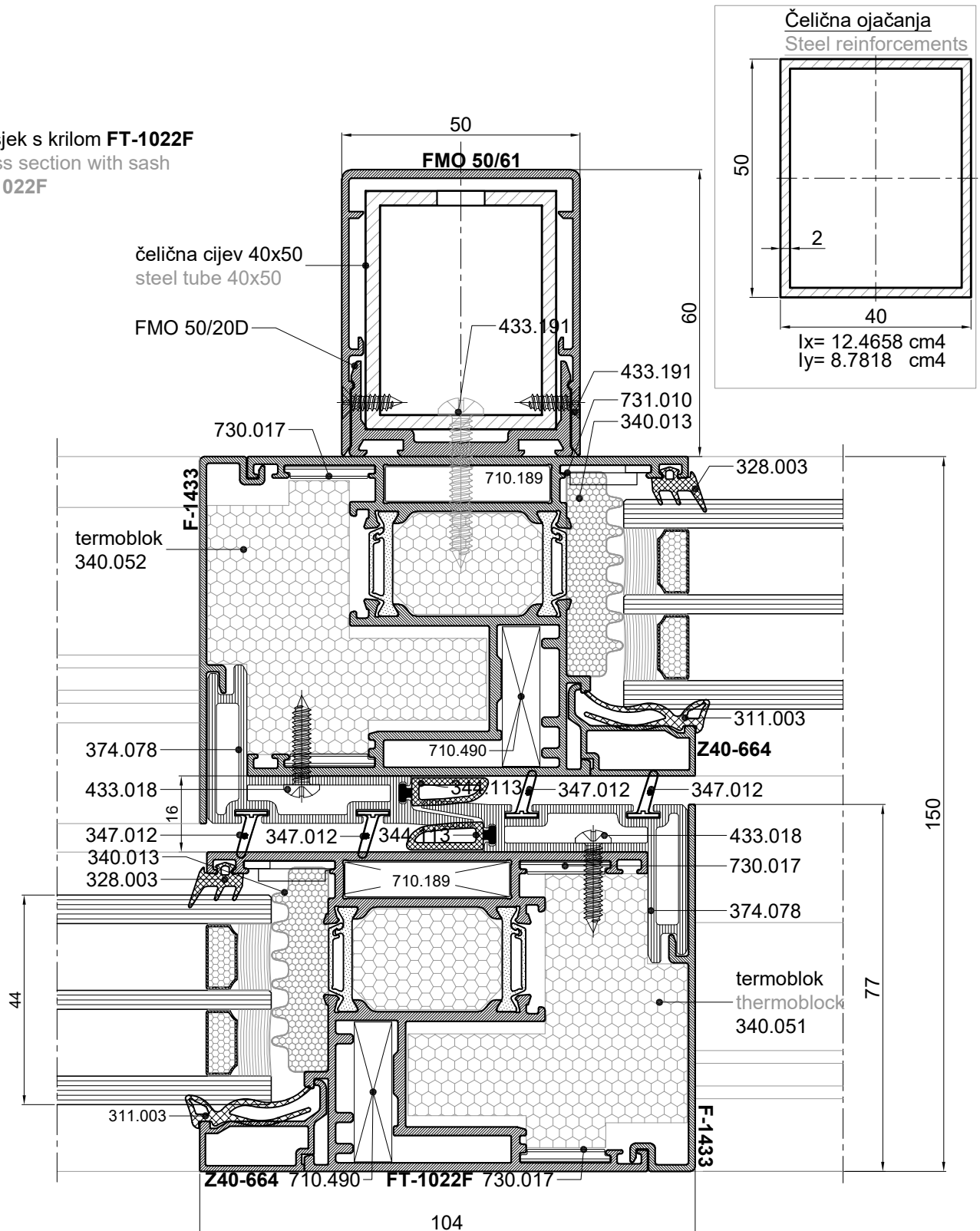


Presjek s krilom FT-1020F  
Cross section with sash FT-1020F



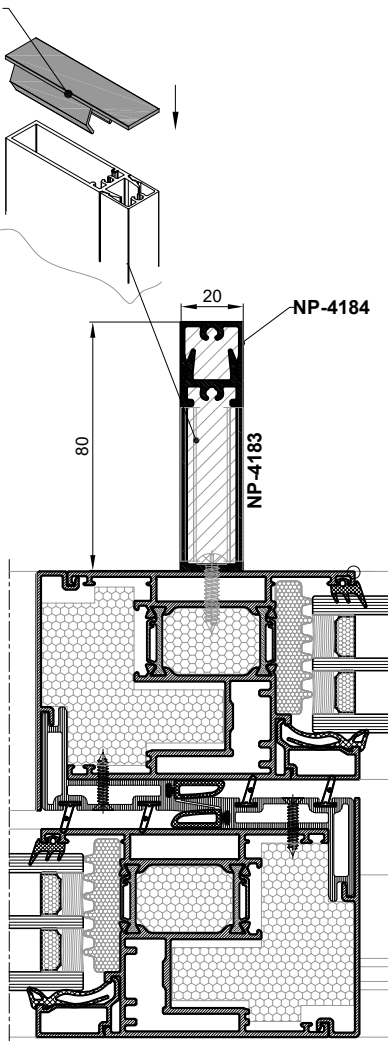


Presjek s krilom FT-1022F  
Cross section with sash  
FT-1022F



Ojačanje 80 mm  
Reinforcement 80 mm

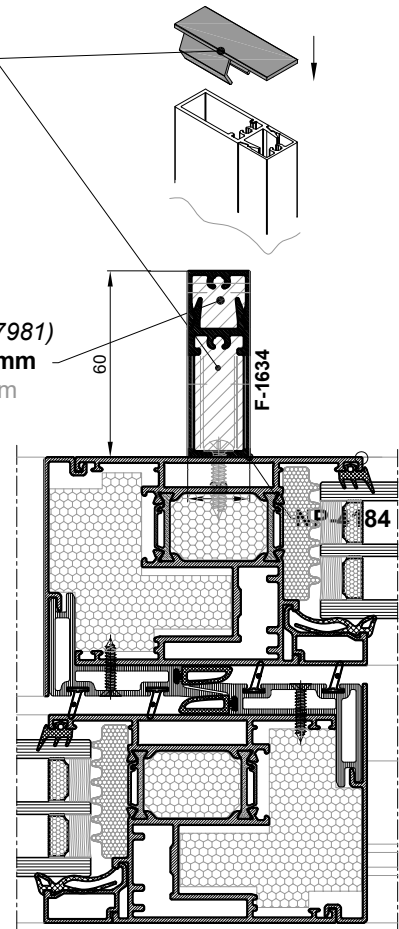
521.287.xx  
umetak  
insert



Ojačanje 60 mm  
Reinforcement 60 mm

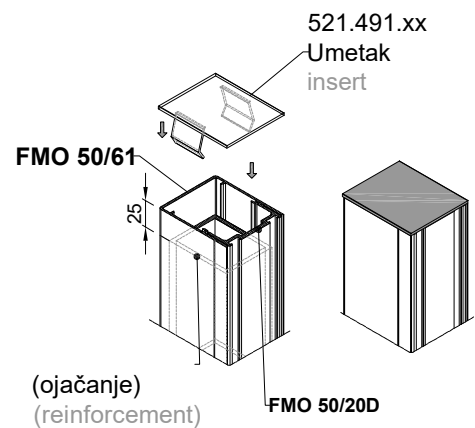
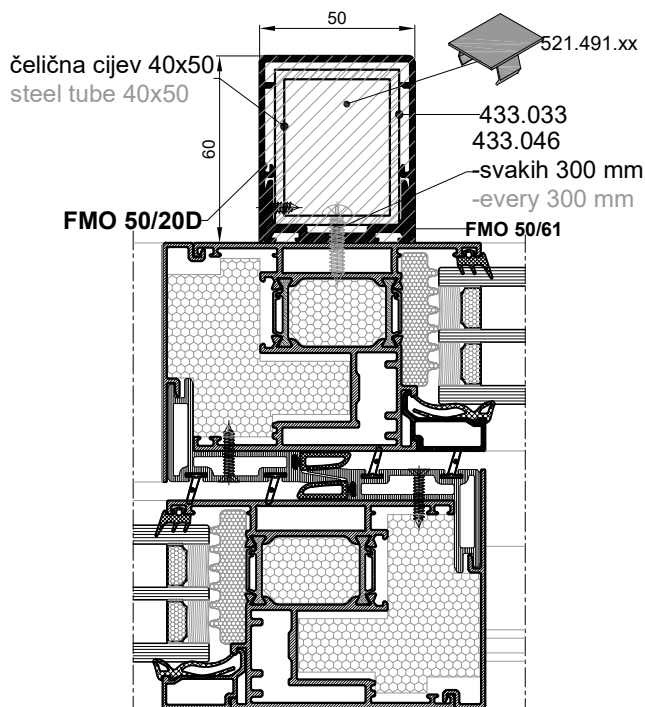
521.288.xx  
umetak  
insert

4.8x32 (DIN 7981)  
-svakih 300 mm  
-every 300 mm



\*Profil ojačanja može biti sa unutarnje ili vanjske strane.  
The reinforcement profile can be place on the inside or on the outside.

Ojačanje sa čeličnom cijevi  
Reinforcement with steel tube



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

\*Ojačanje sa čeličnom cijevi ide na vanjsku stranu profila prečke.  
Reinforcement with steel tube goes to the exterior side of window crossbar.

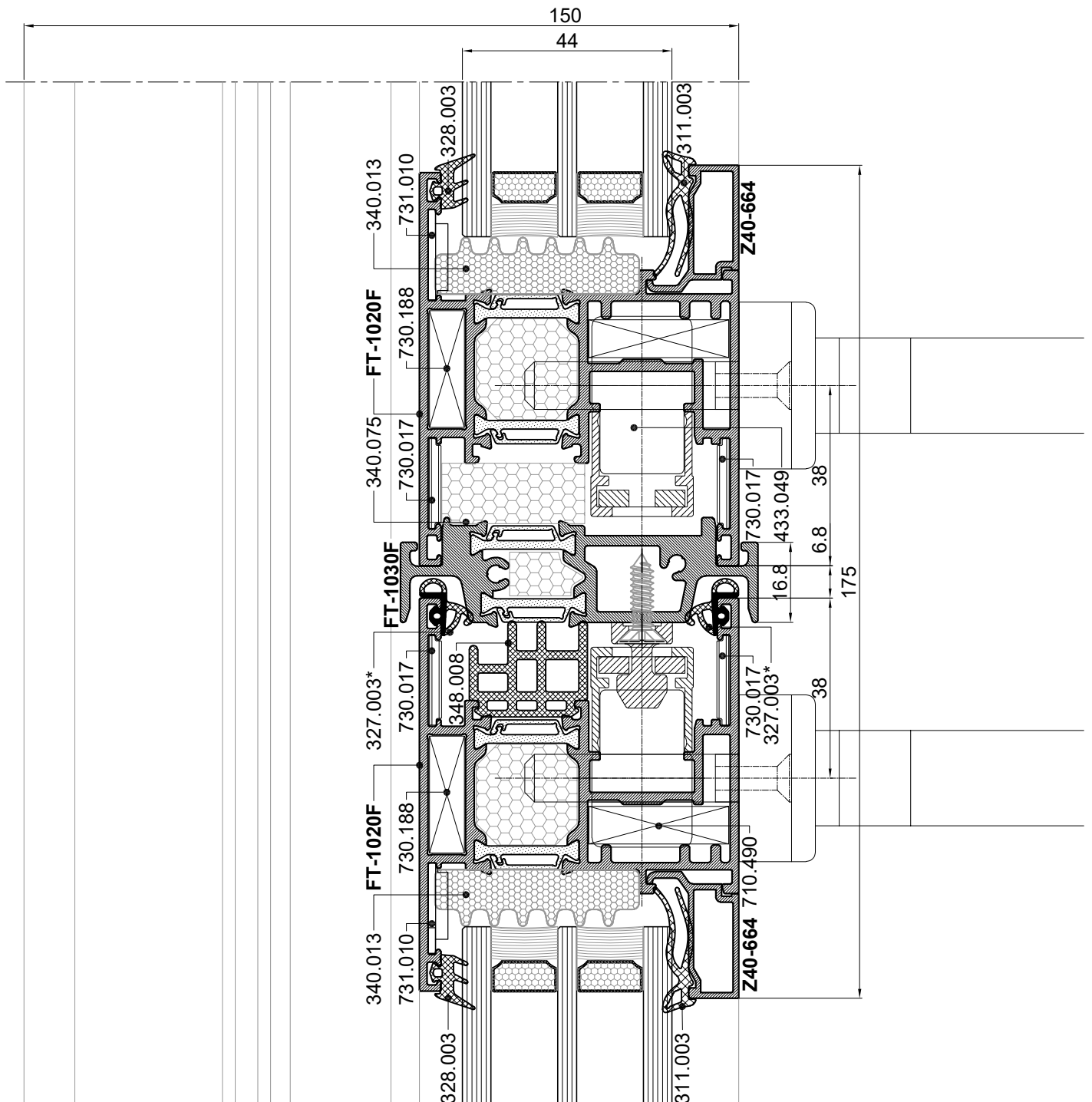


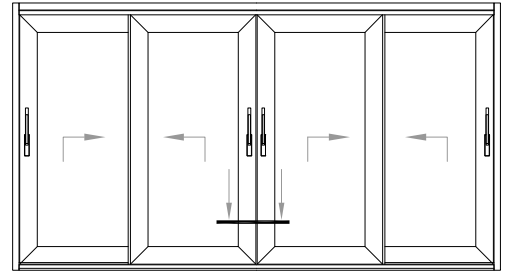
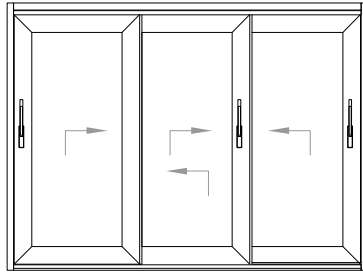
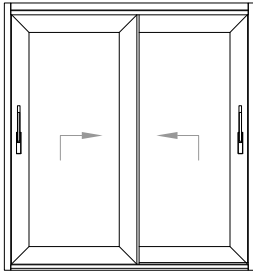
**Presjek s krilom FT-1020F**

Cross section with sash FT-1020F

\*Mogućnost korištenja brtve 344.107

\*The possibility of using a gasket 344.107



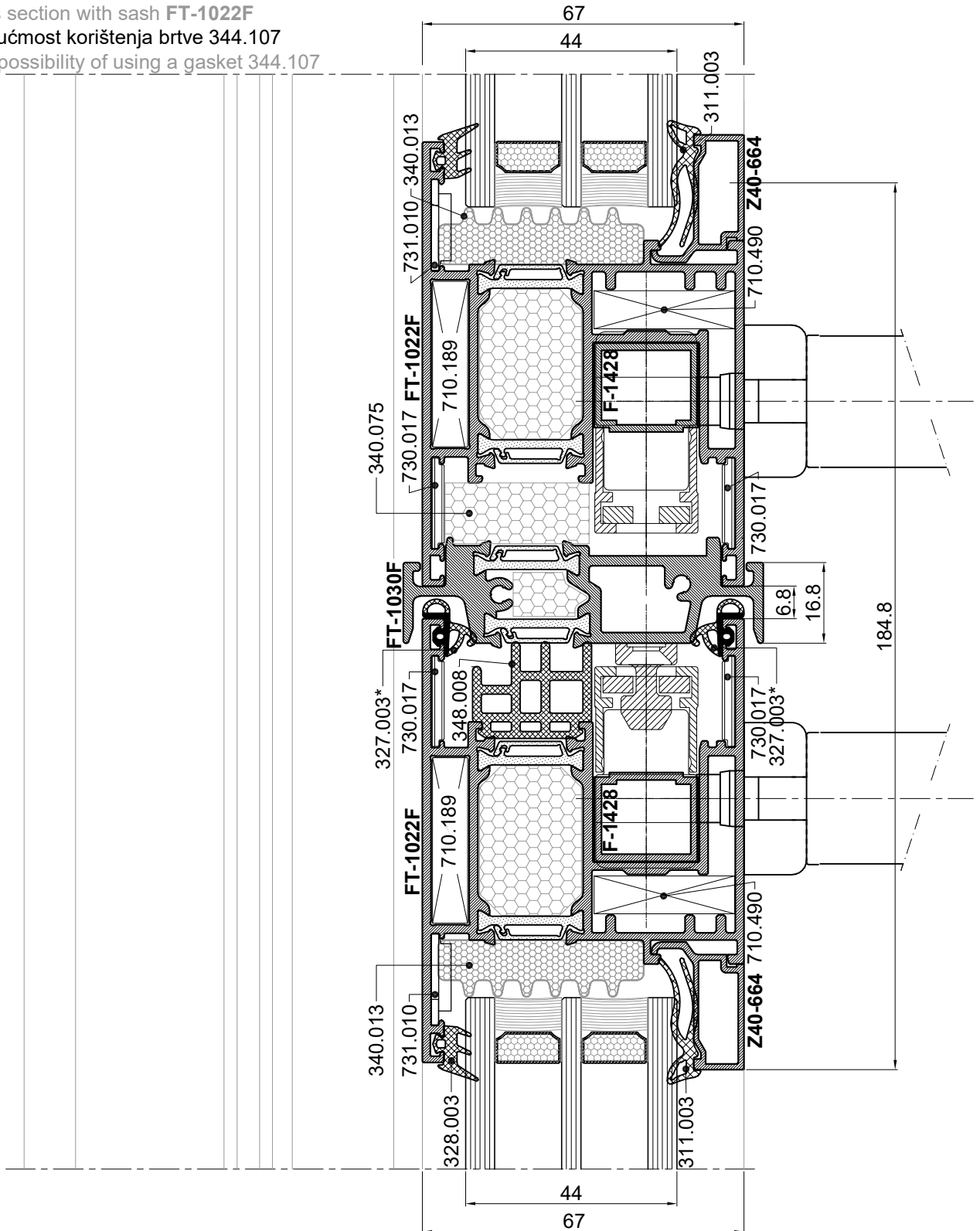


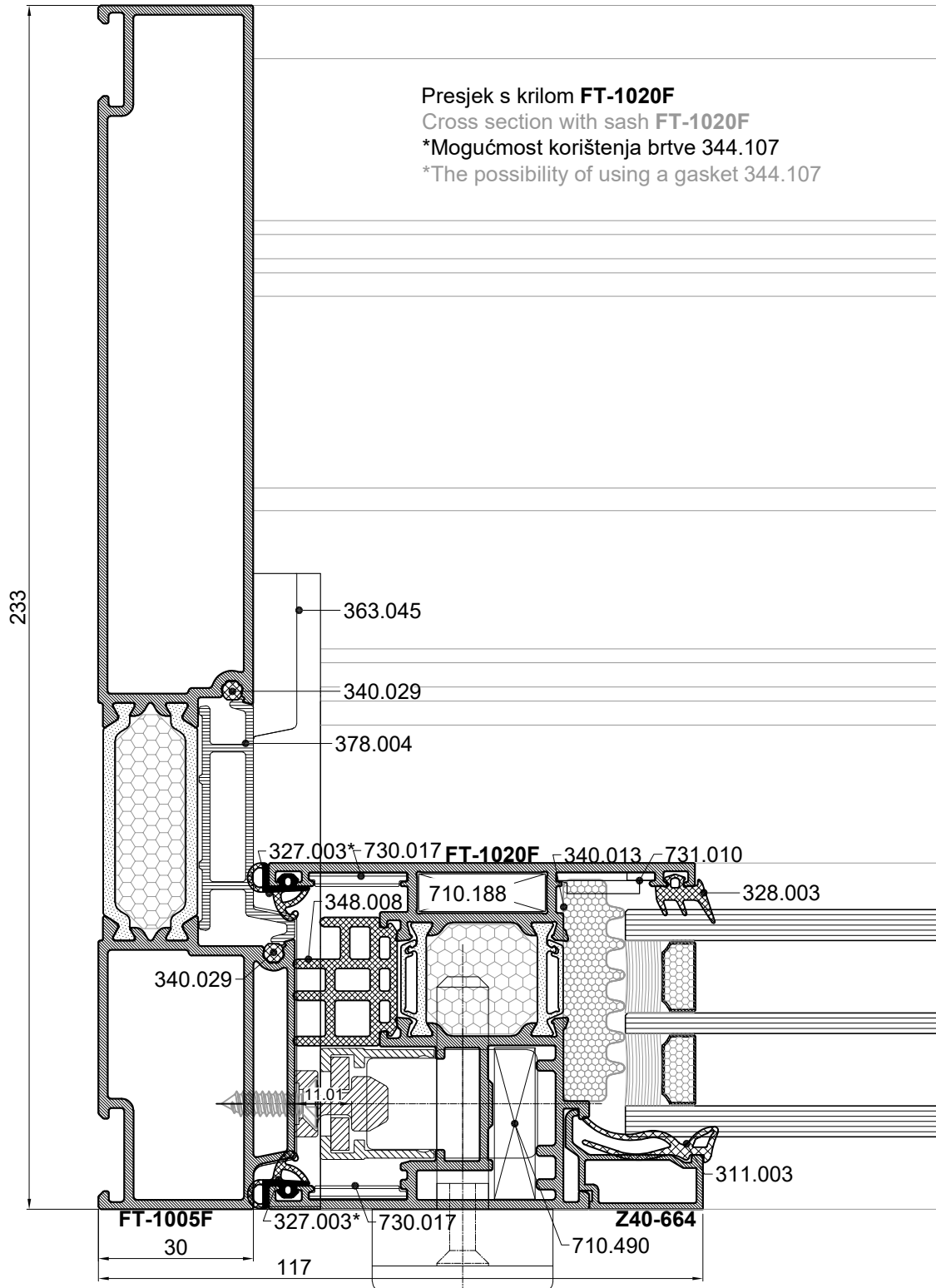
**Presjek s krilom FT-1022F**

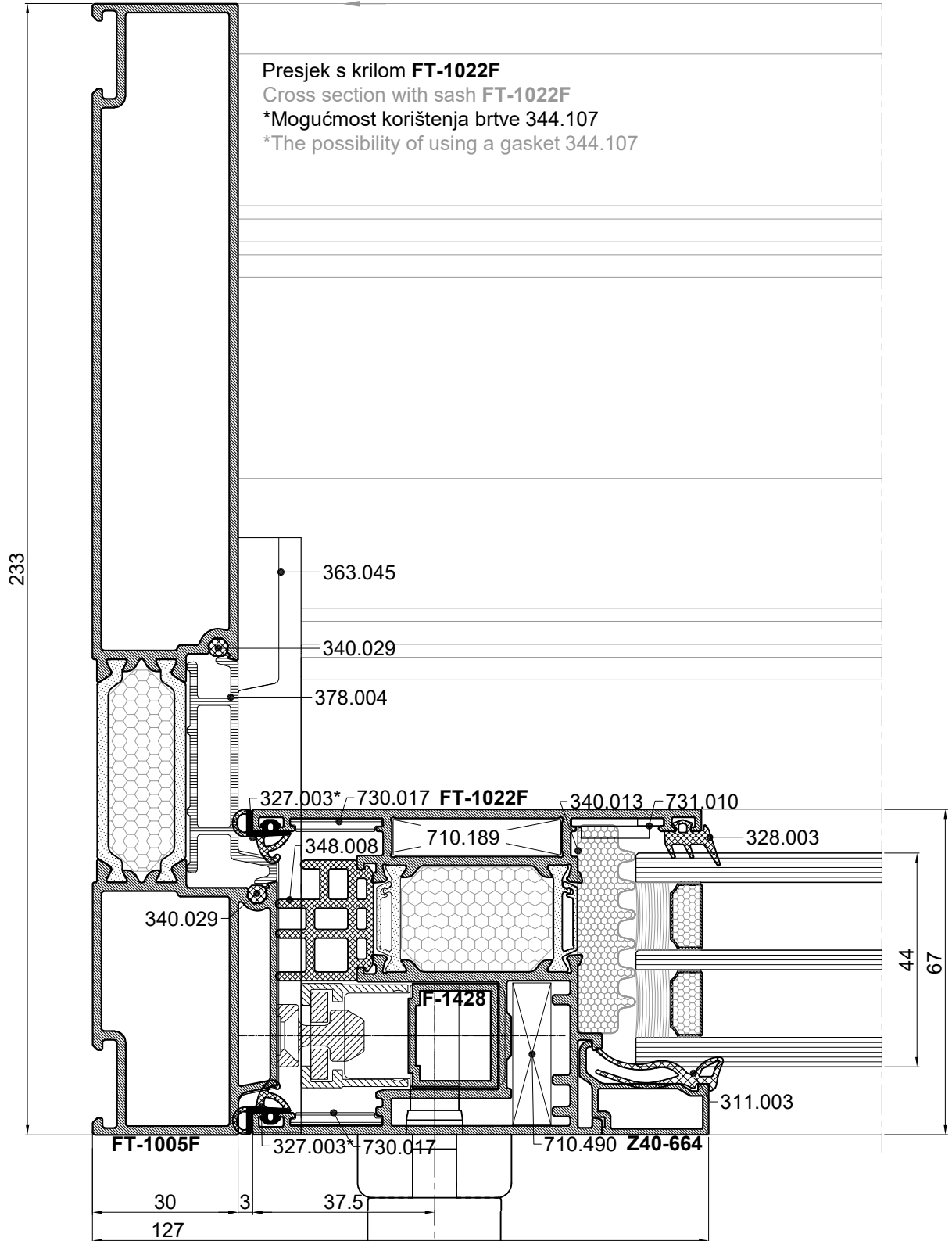
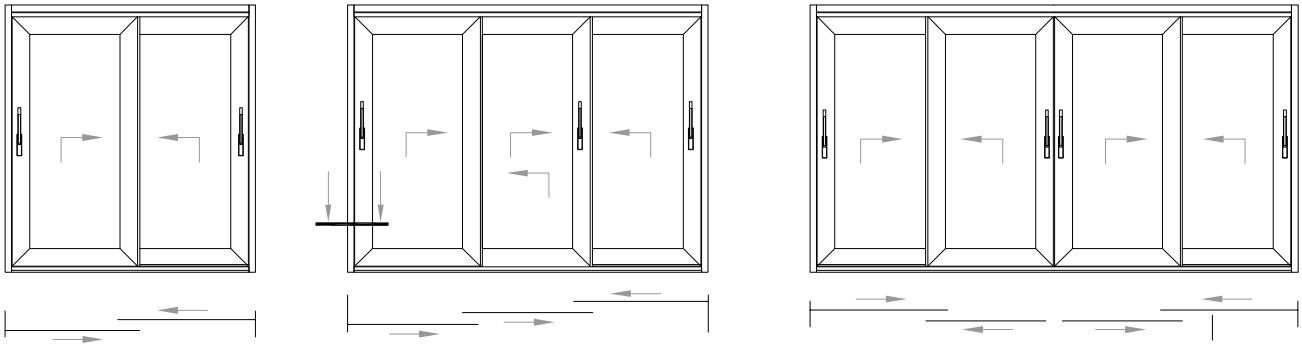
Cross section with sash FT-1022F

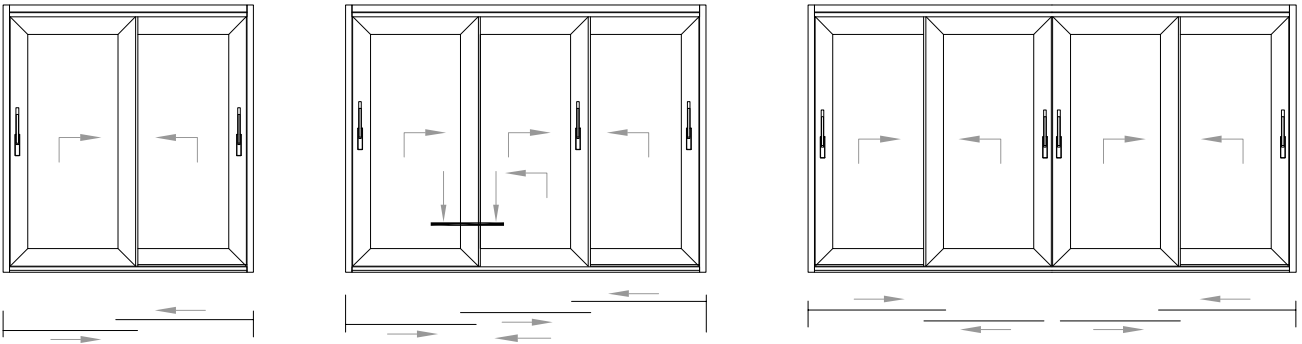
\*Mogućnost korištenja brtve 344.107

\*The possibility of using a gasket 344.107

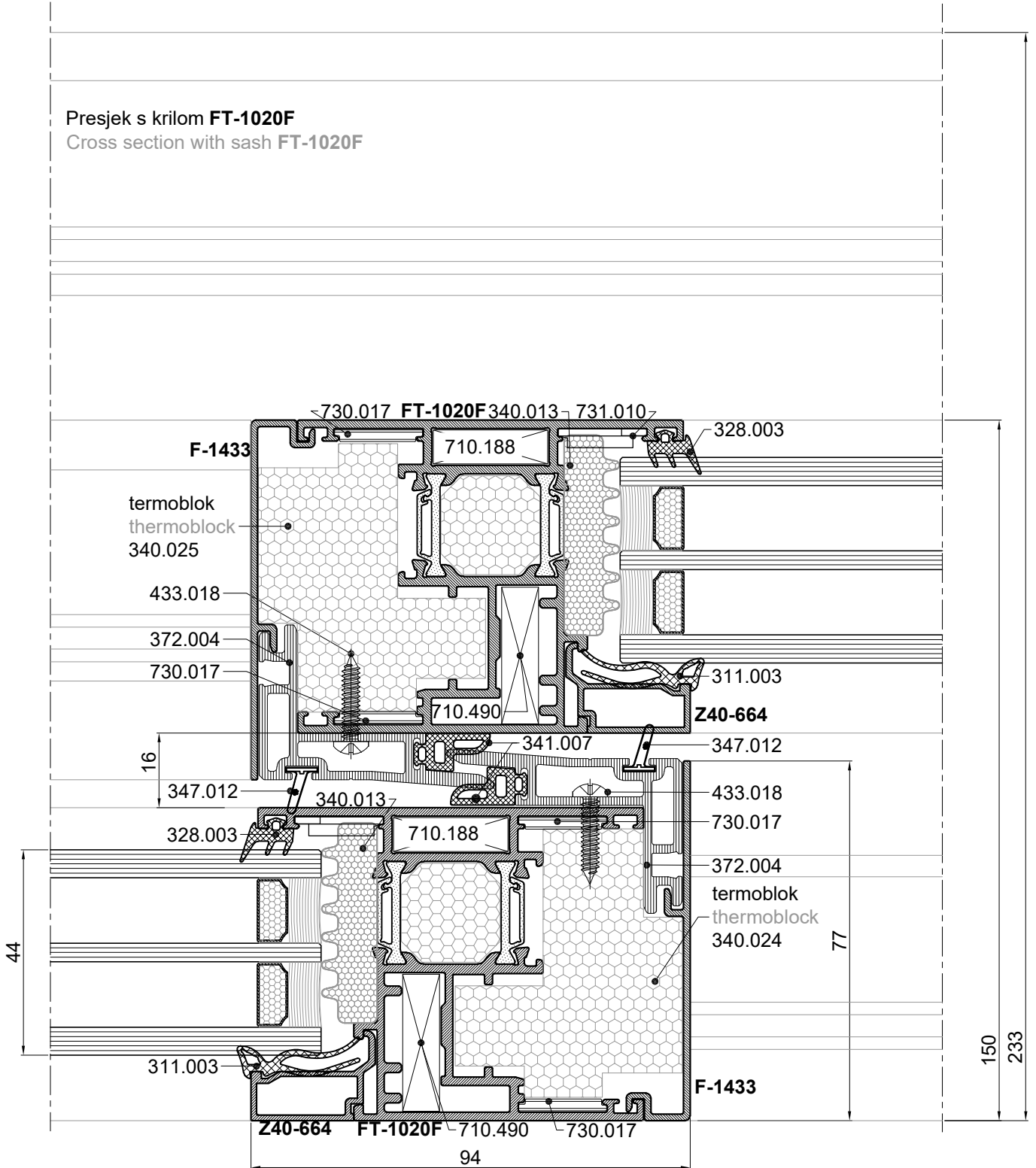


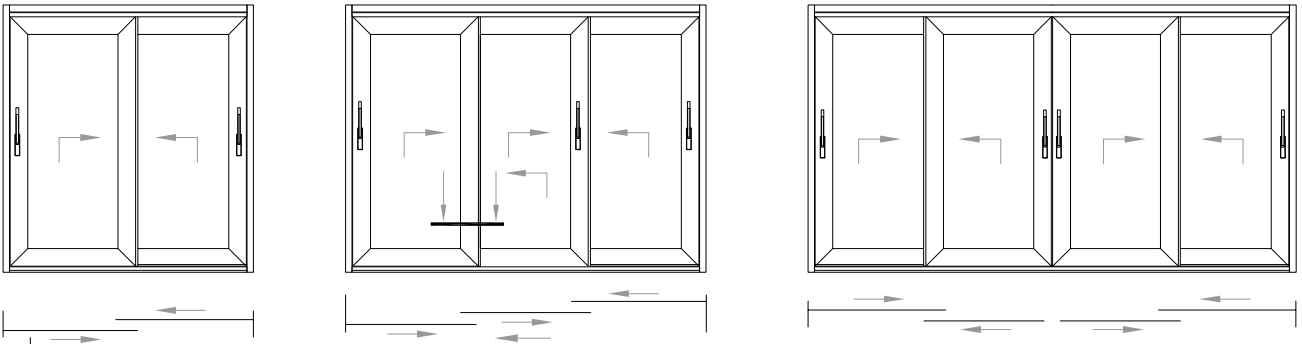




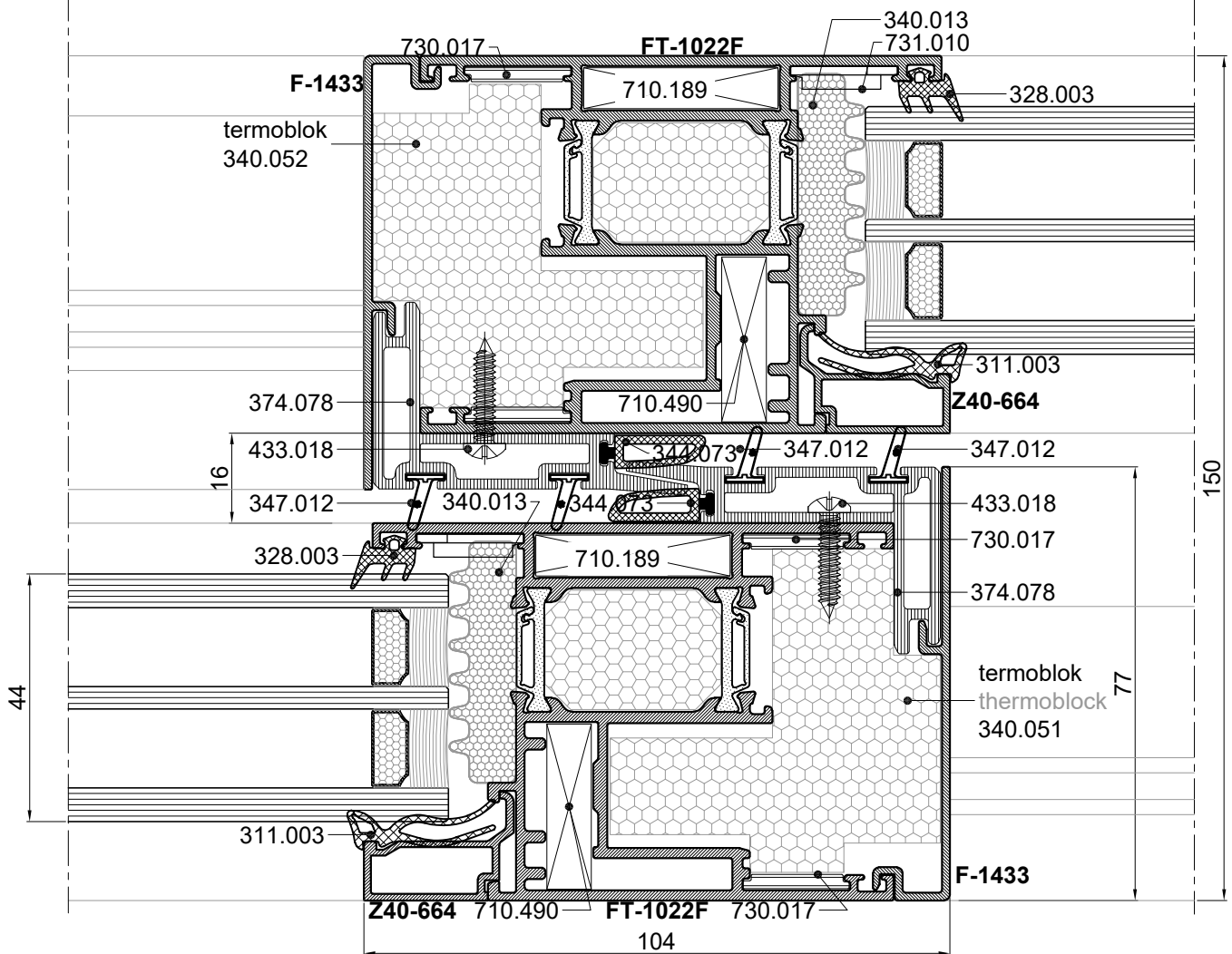


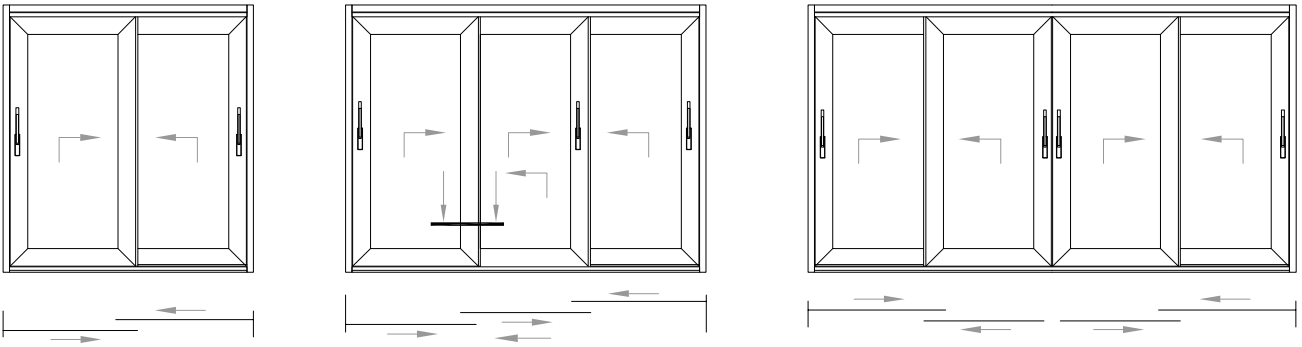
Presjek s krilom **FT-1020F**  
Cross section with sash **FT-1020F**



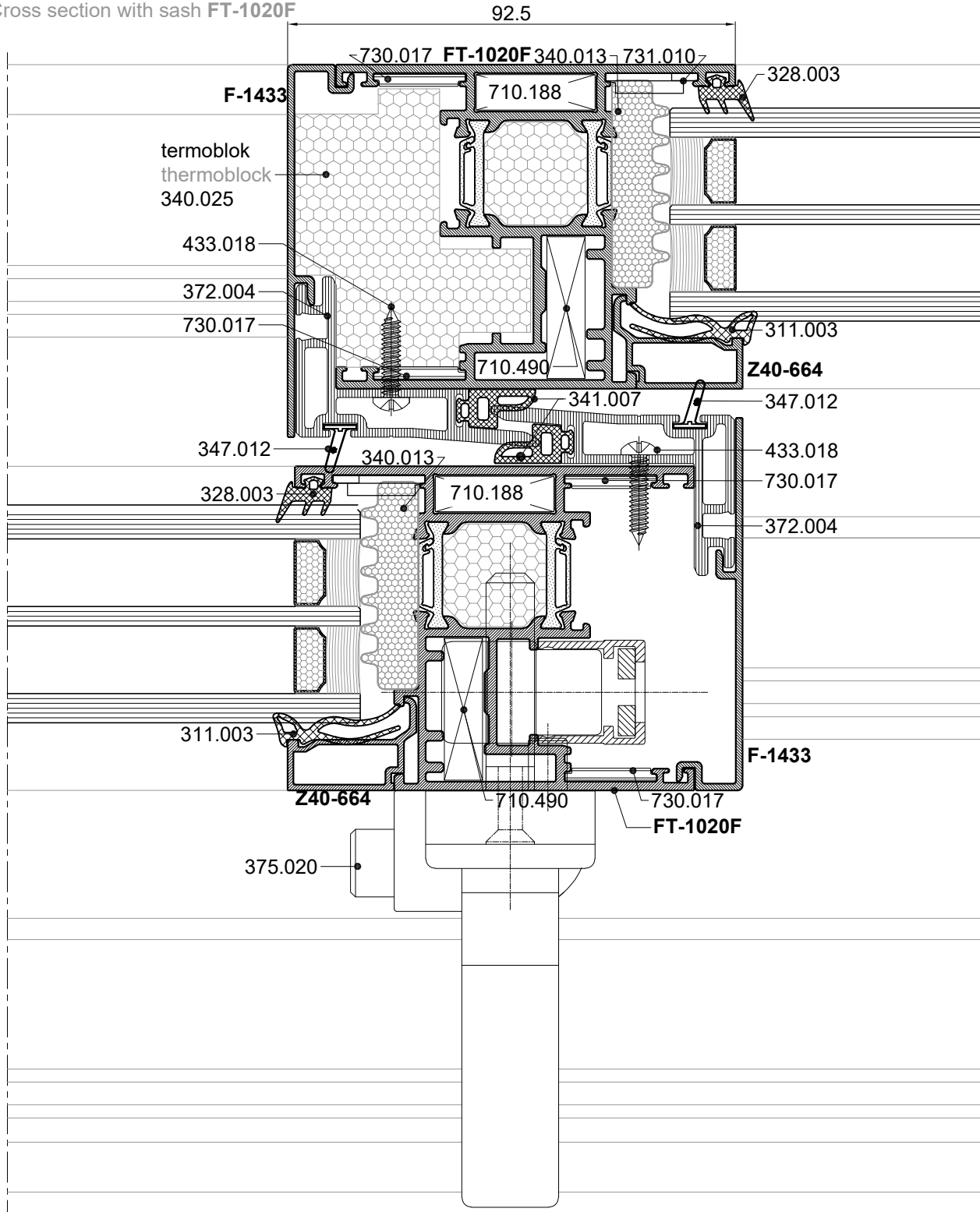


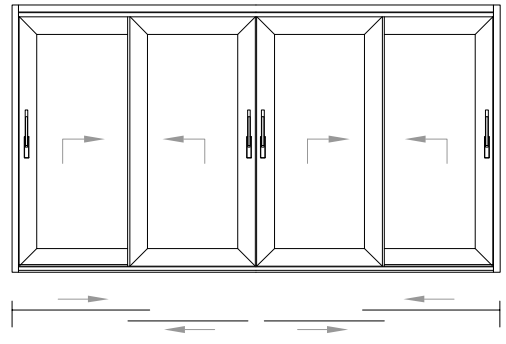
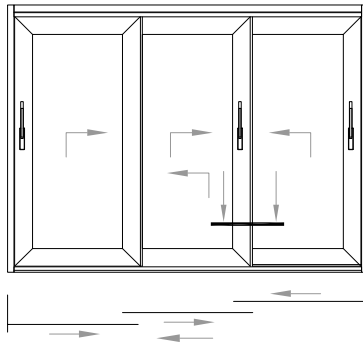
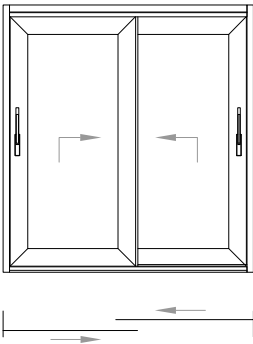
Presjek s krilom **FT-1022F**  
Cross section with sash **FT-1022F**



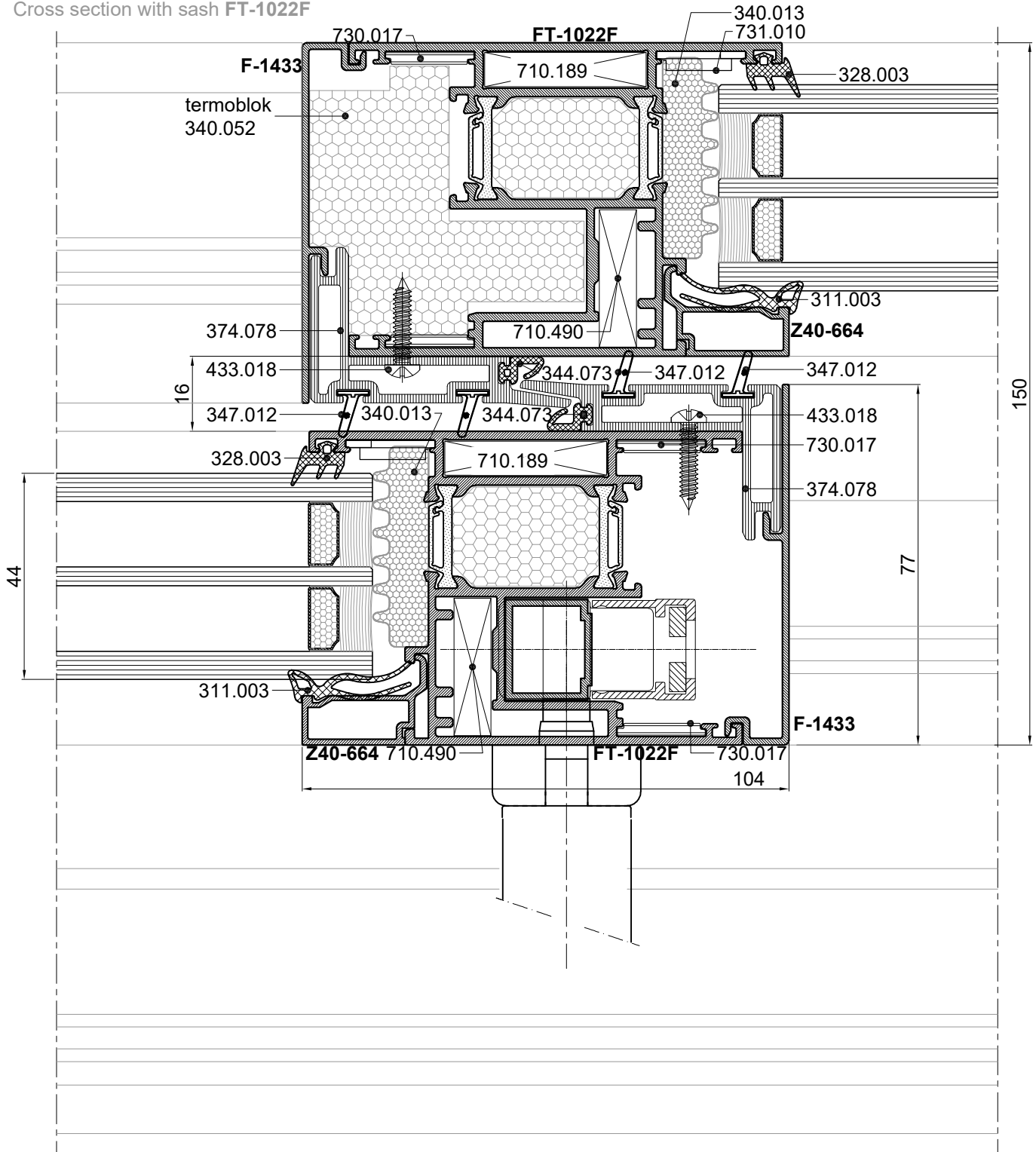


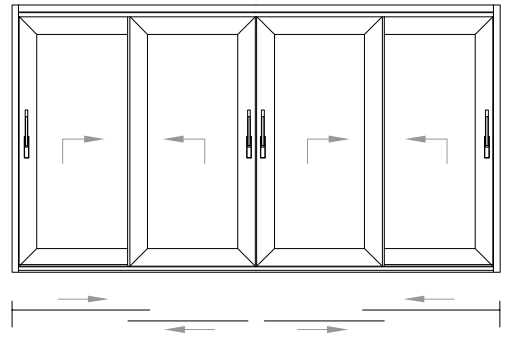
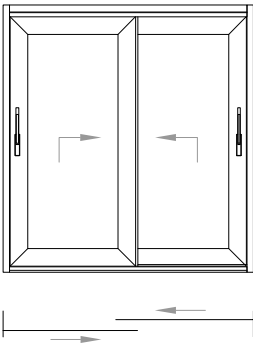
Presjek s krilom **FT-1020F**  
Cross section with sash **FT-1020F**





Presjek s krilom **FT-1022F**  
Cross section with sash **FT-1022F**



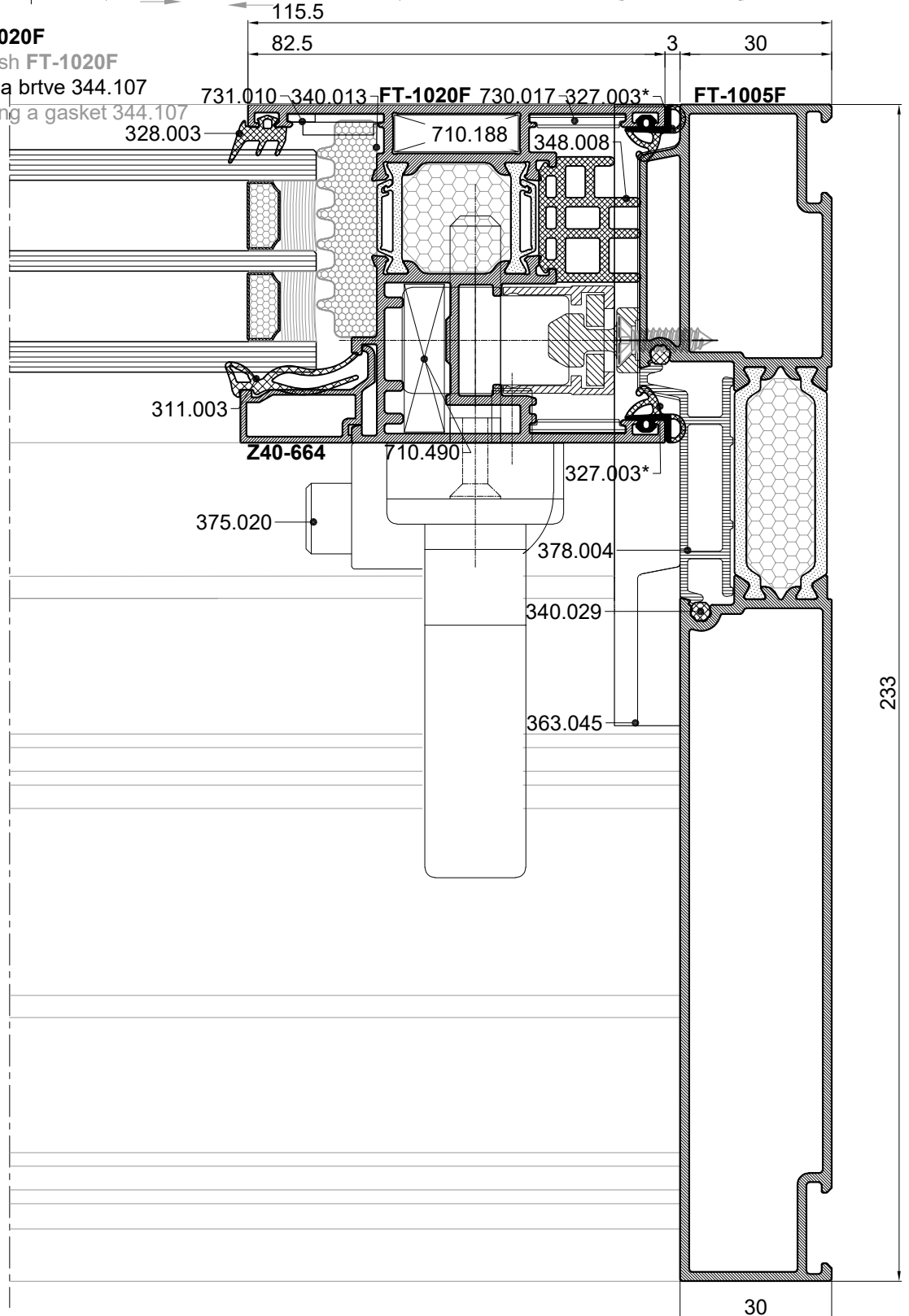


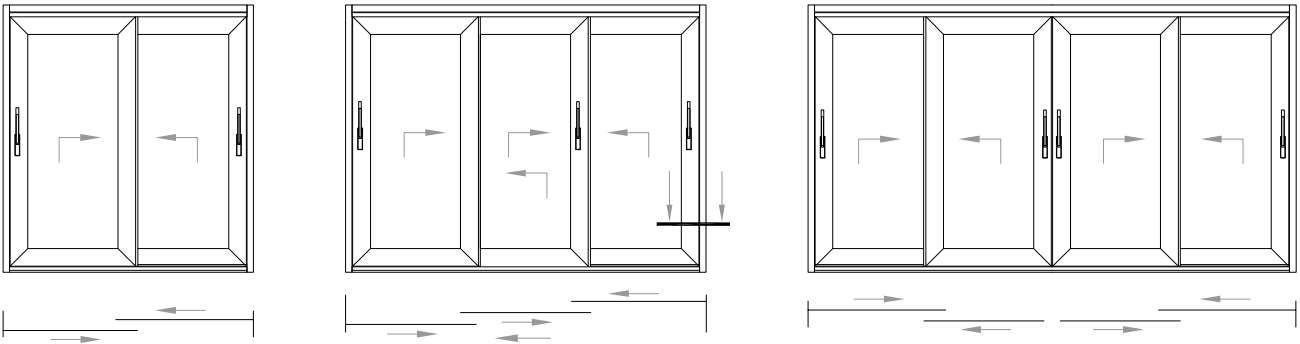
**Presjek s krilom FT-1020F**

Cross section with sash FT-1020F

\*Mogućnost korištenja brtve 344.107

\*The possibility of using a gasket 344.107



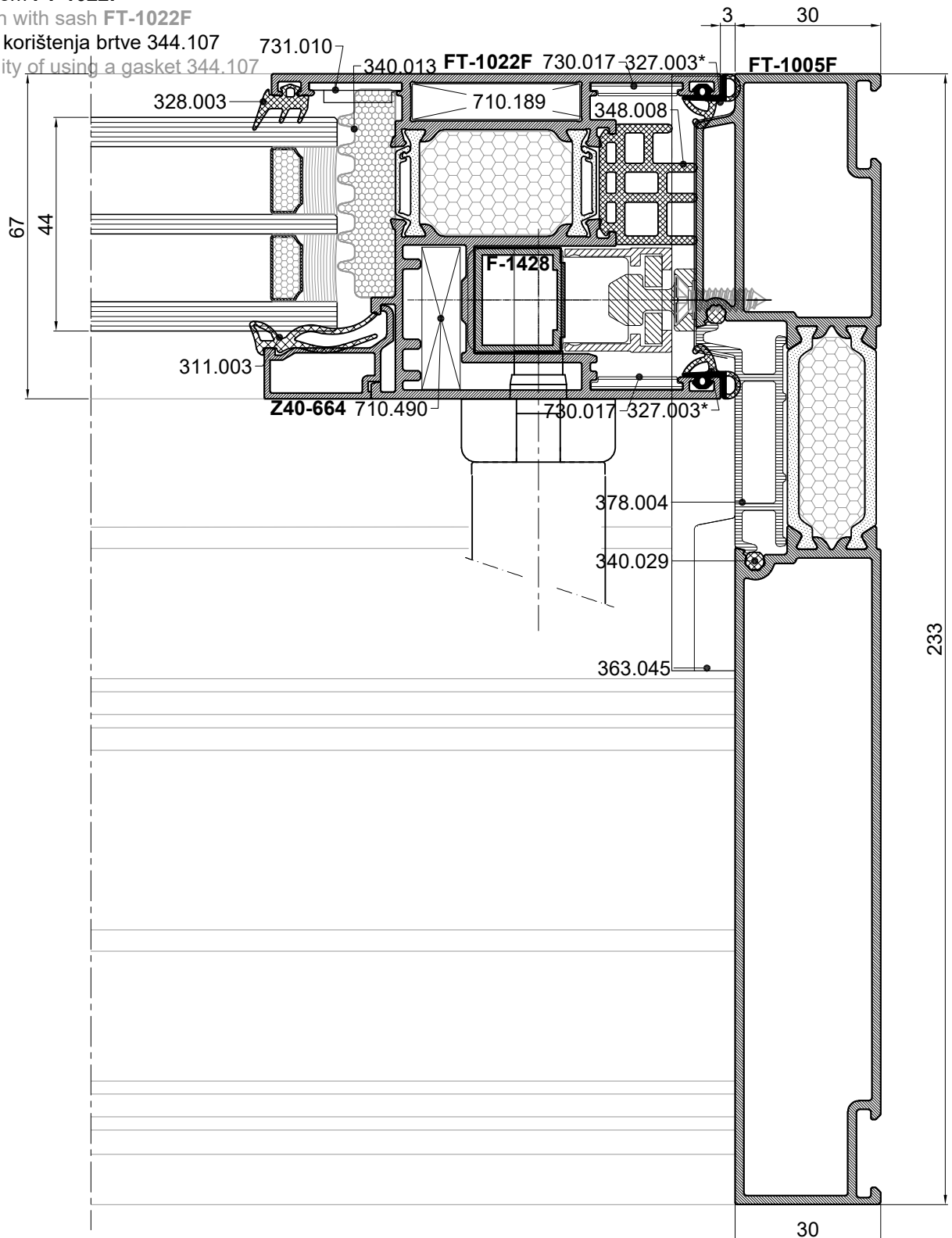


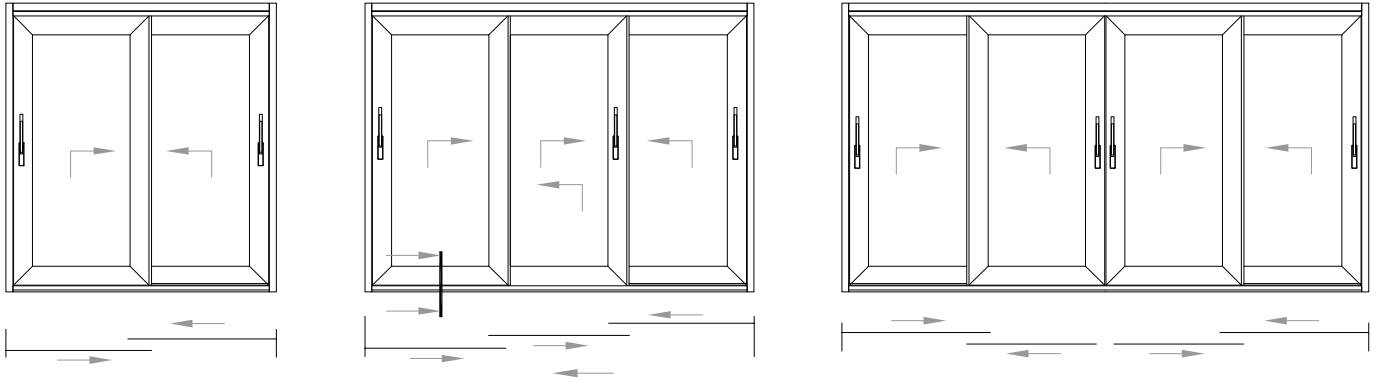
Presjek s krilom **FT-1022F**

Cross section with sash **FT-1022F**

\*Mogućnost korištenja brtve 344.107

\*The possibility of using a gasket 344.107



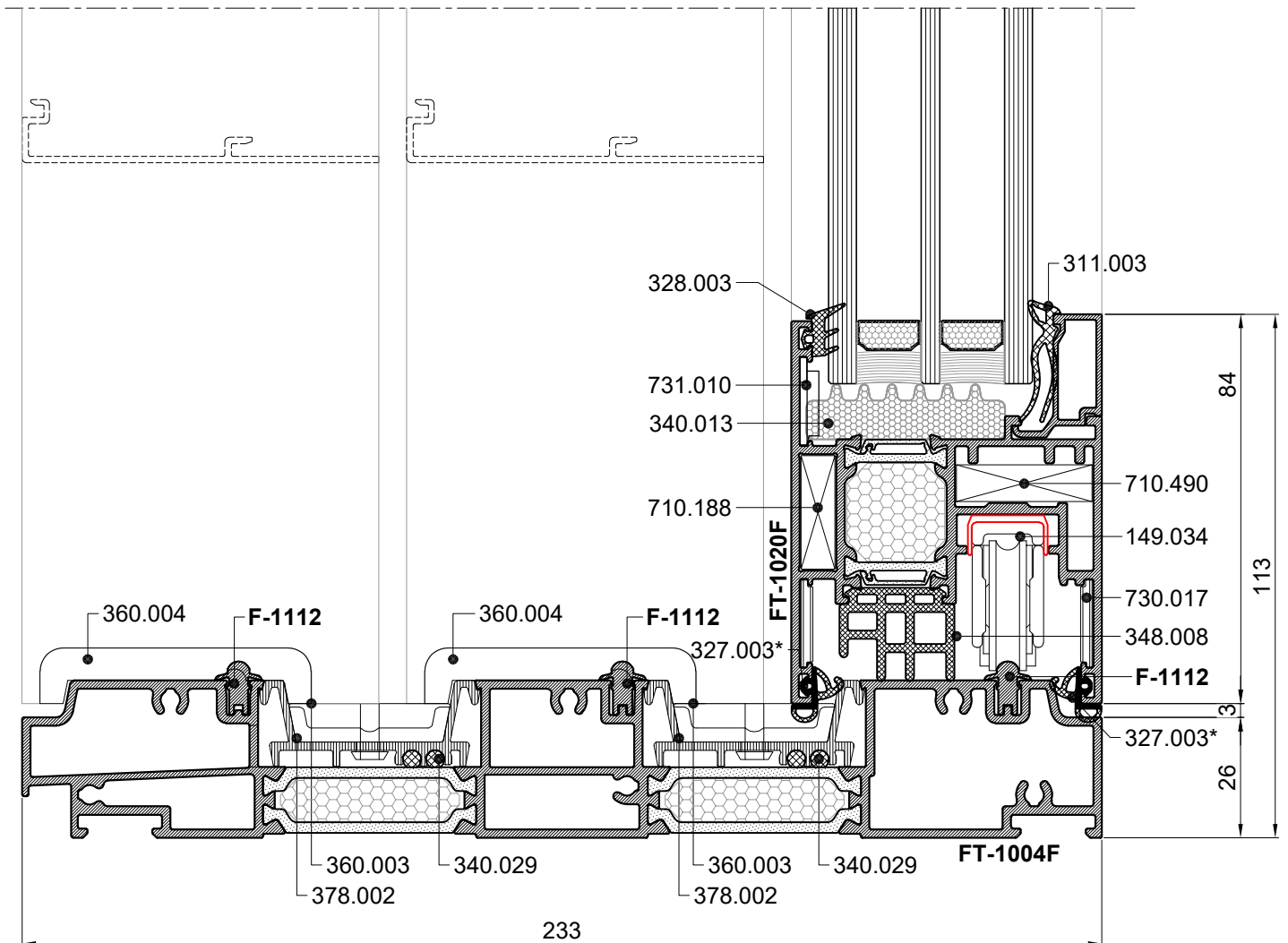


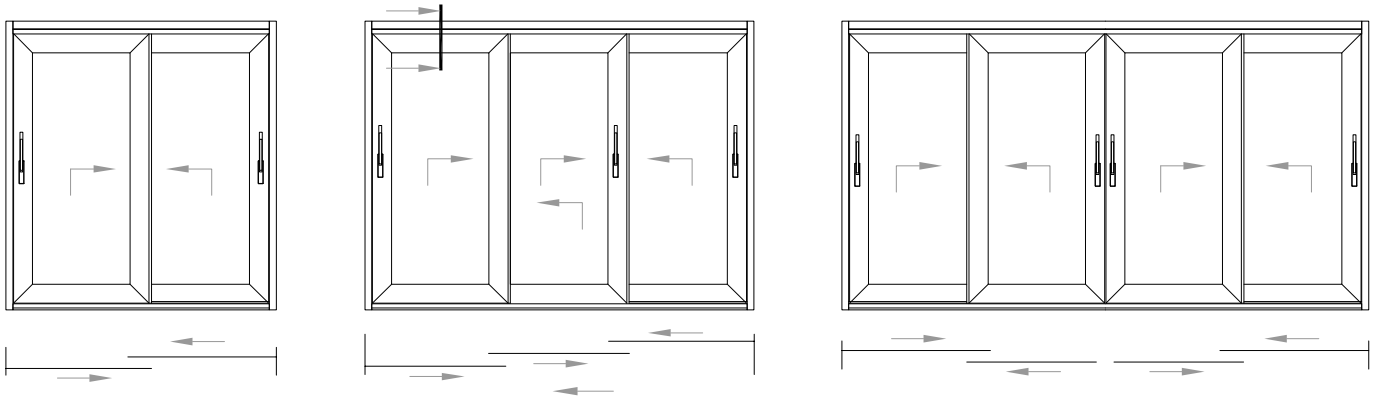
**Presjek s krilom FT-1020F**

Cross section with sash **FT-1020F**

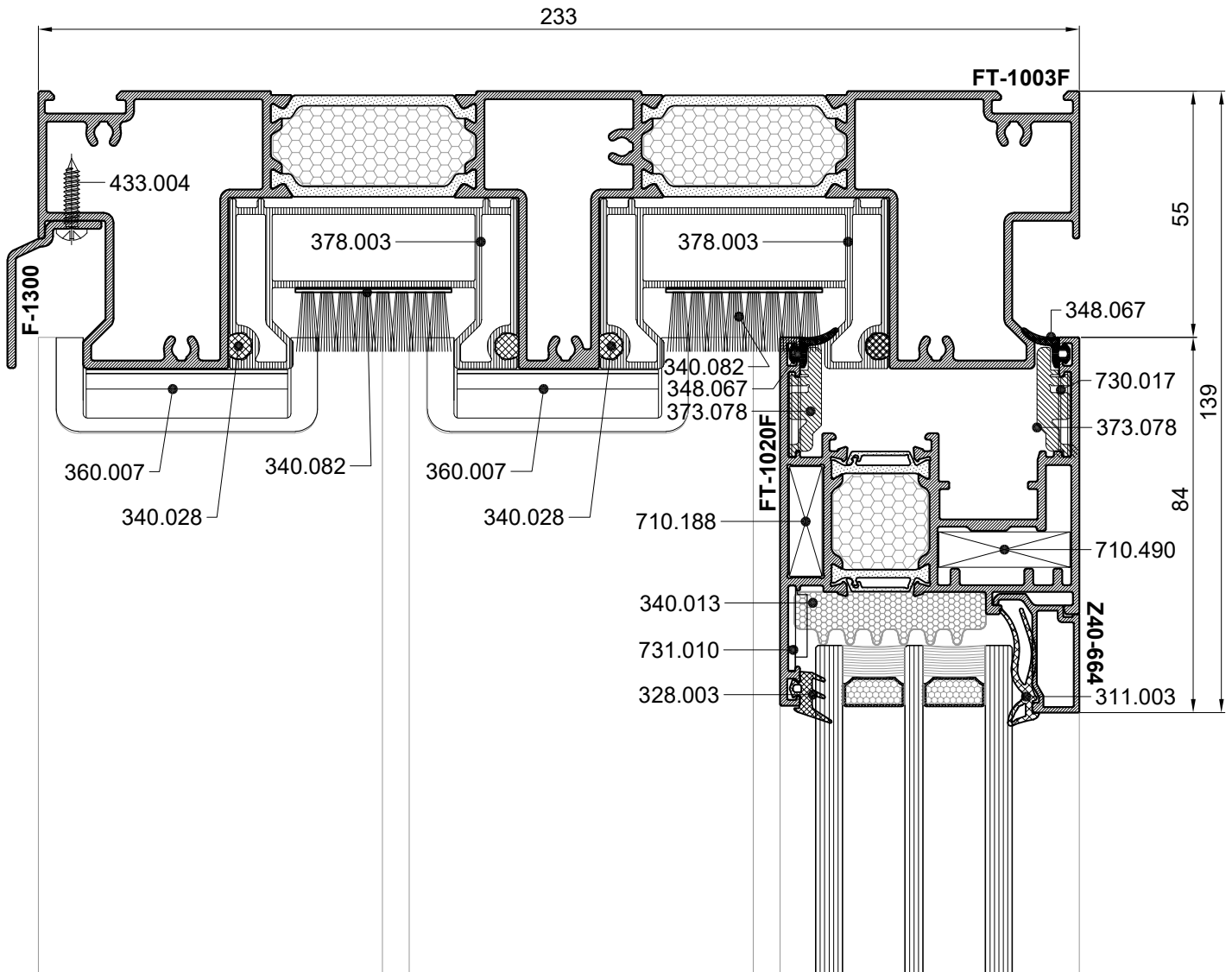
\*Mogućnost korištenja brtve 344.107

\*The possibility of using a gasket 344.107





Presjek s krilom **FT-1020F**  
Cross section with sash **FT-1020F**



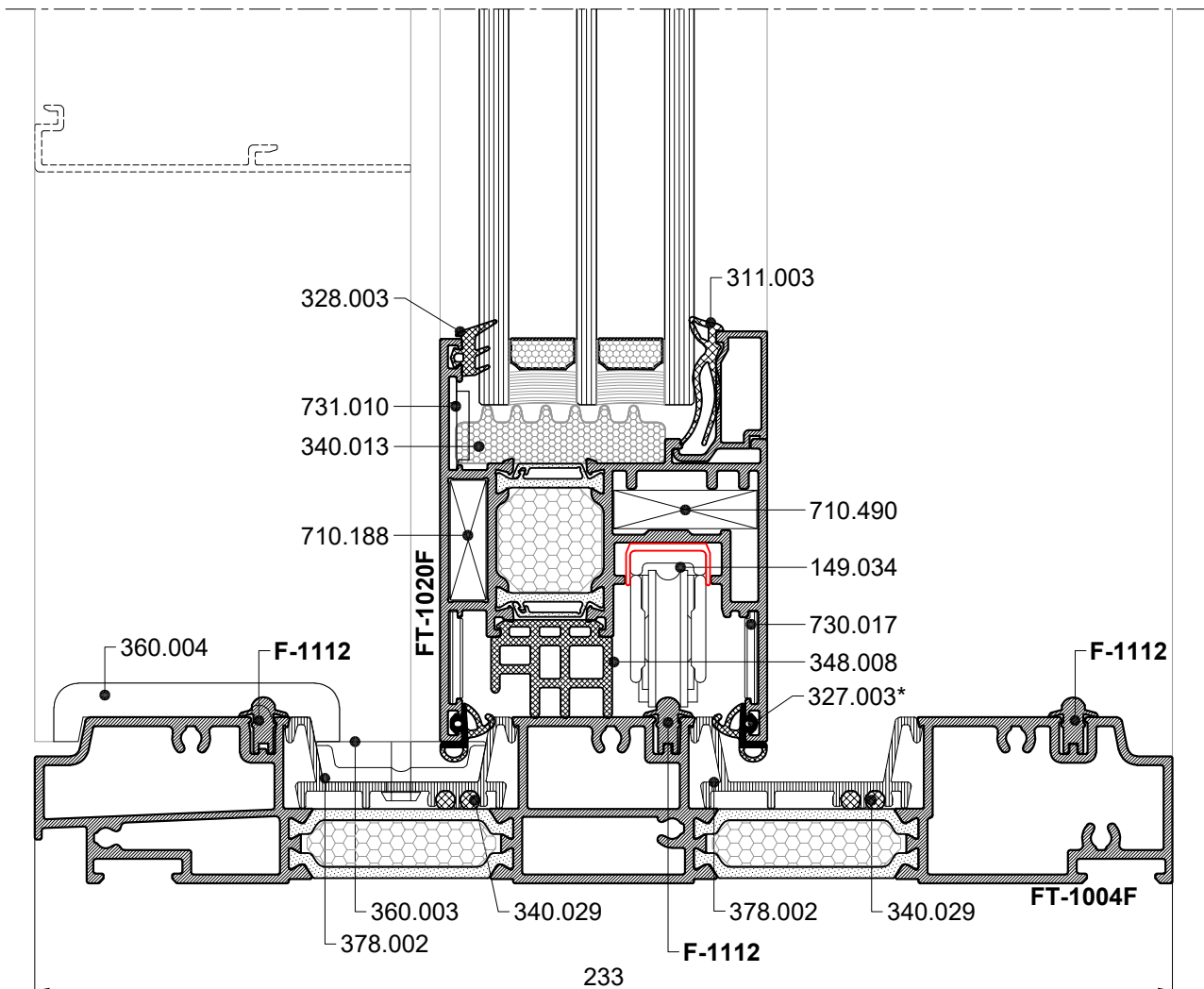


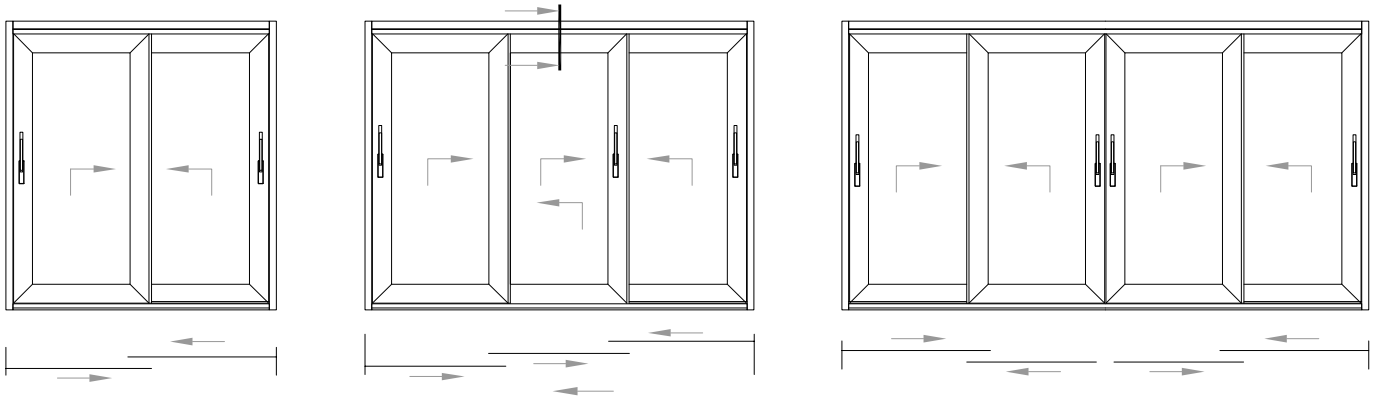
**Presjek s krilom FT-1020F**

Cross section with sash **FT-1020F**

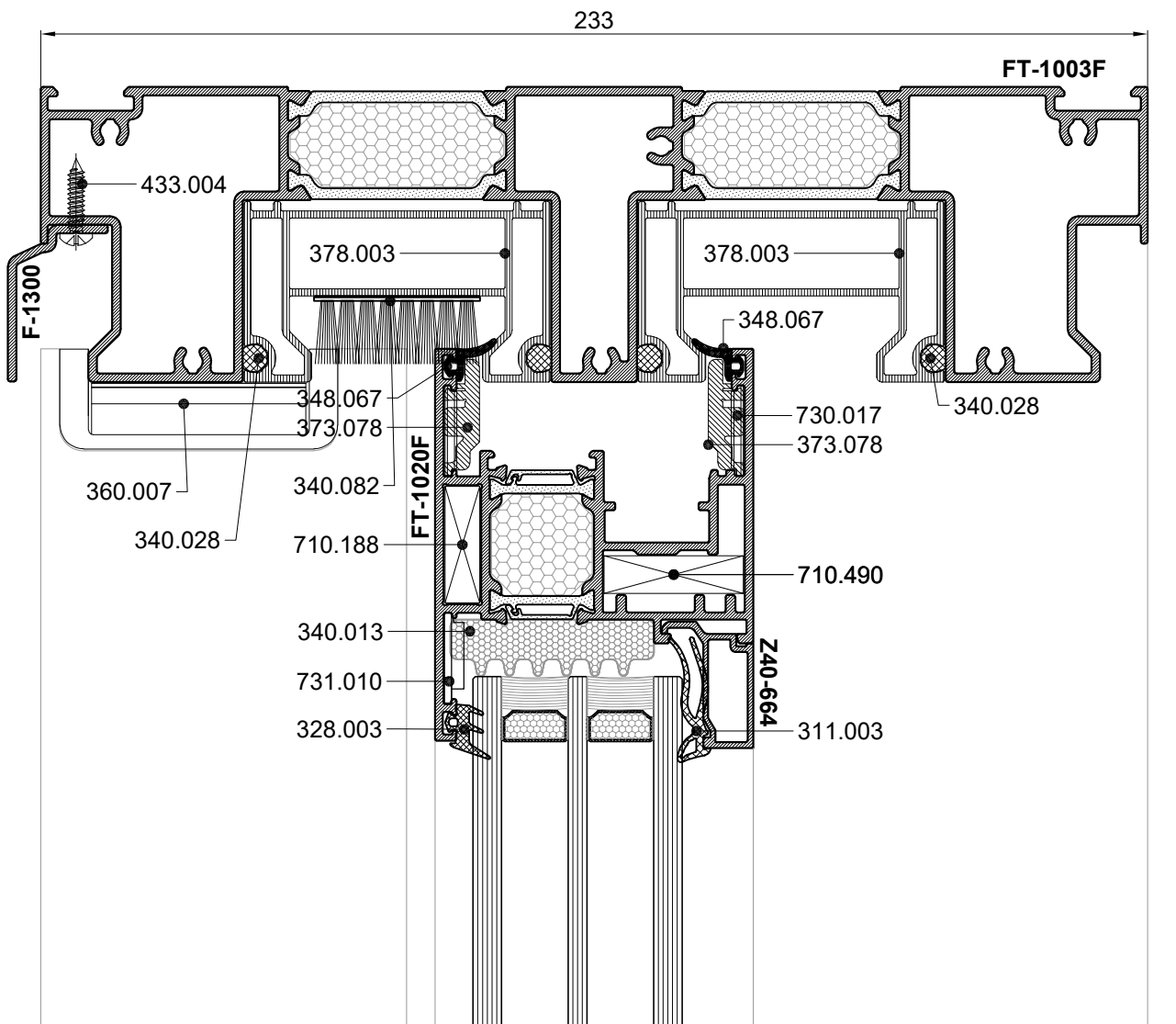
\*Mogućnost korištenja brtve 344.107

\*The possibility of using a gasket 344.107





Presjek s krilom **FT-1020F**  
Cross section with sash **FT-1020F**



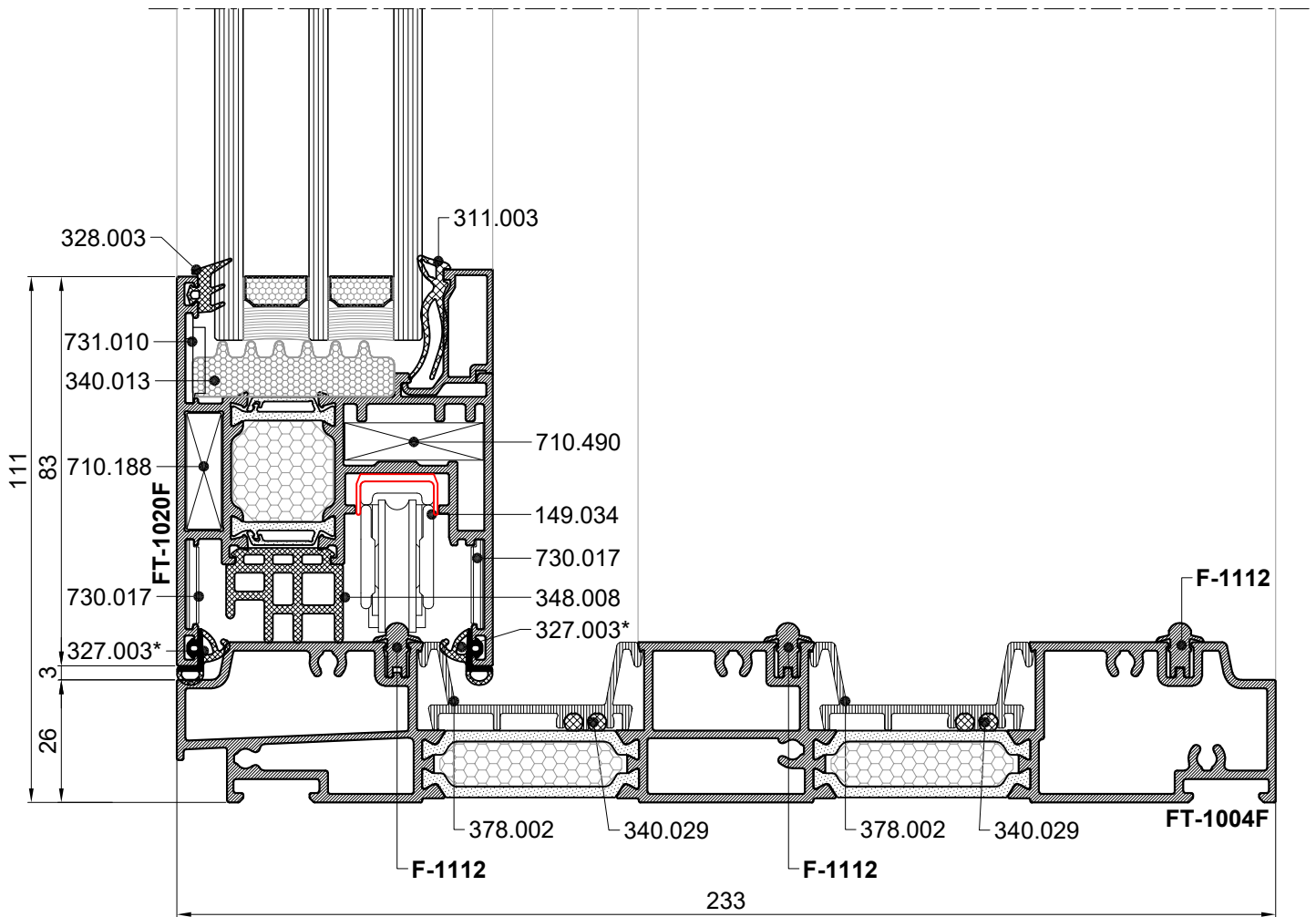


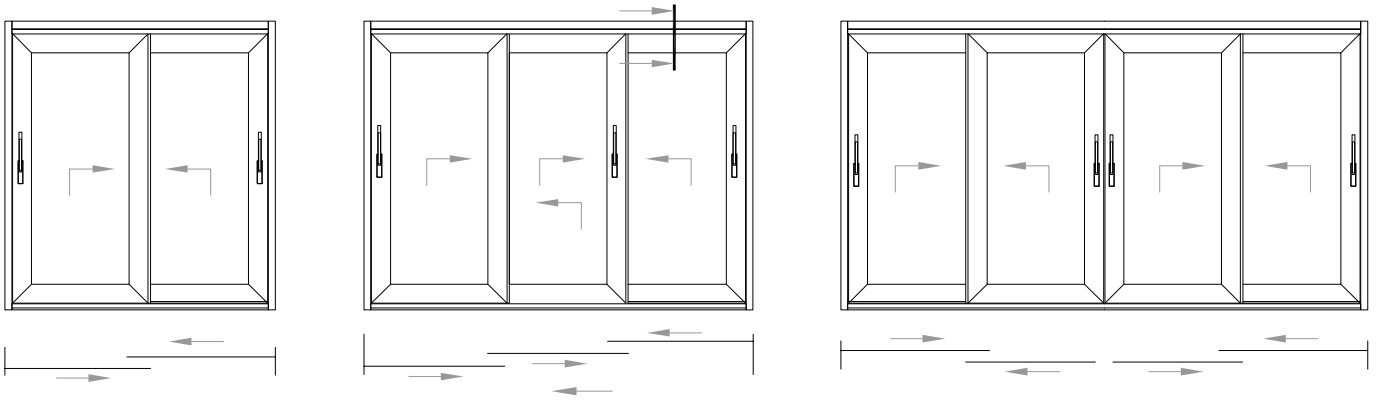
**Presjek s krilom FT-1020F**

Cross section with sash **FT-1020F**

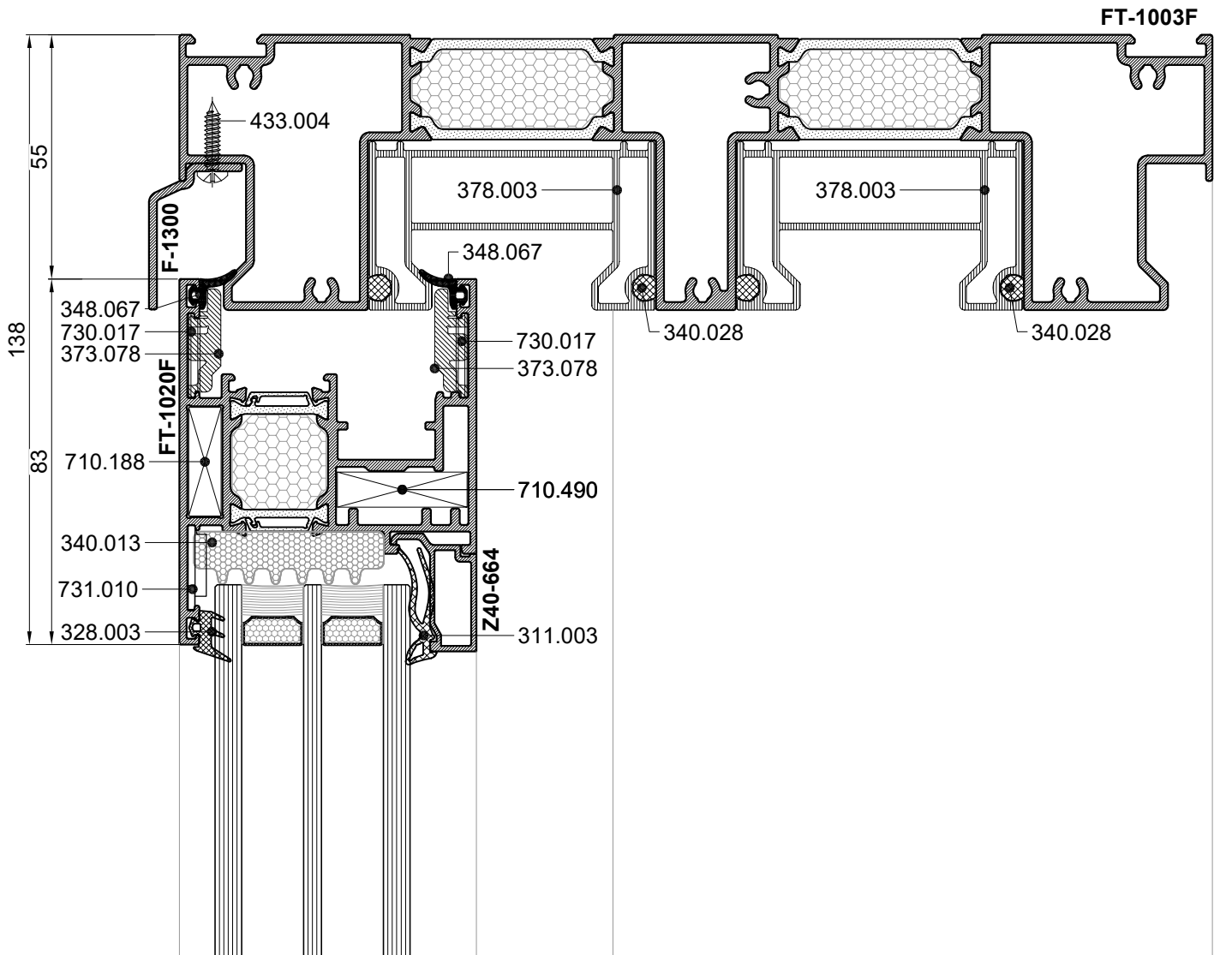
\*Mogućnost korištenja brtve 344.107

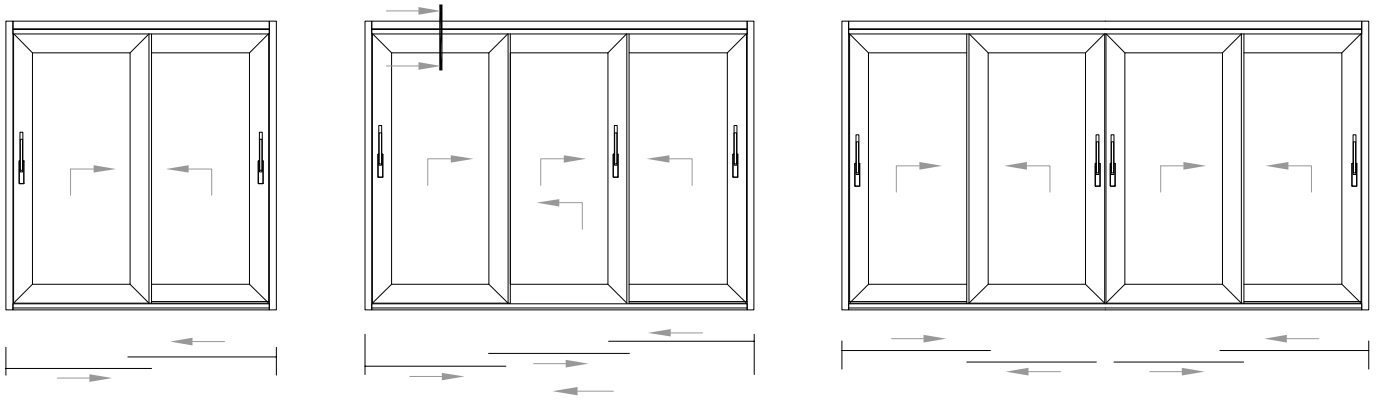
\*The possibility of using a gasket 344.107





Presjek s krilom **FT-1020F**  
Cross section with sash **FT-1020F**



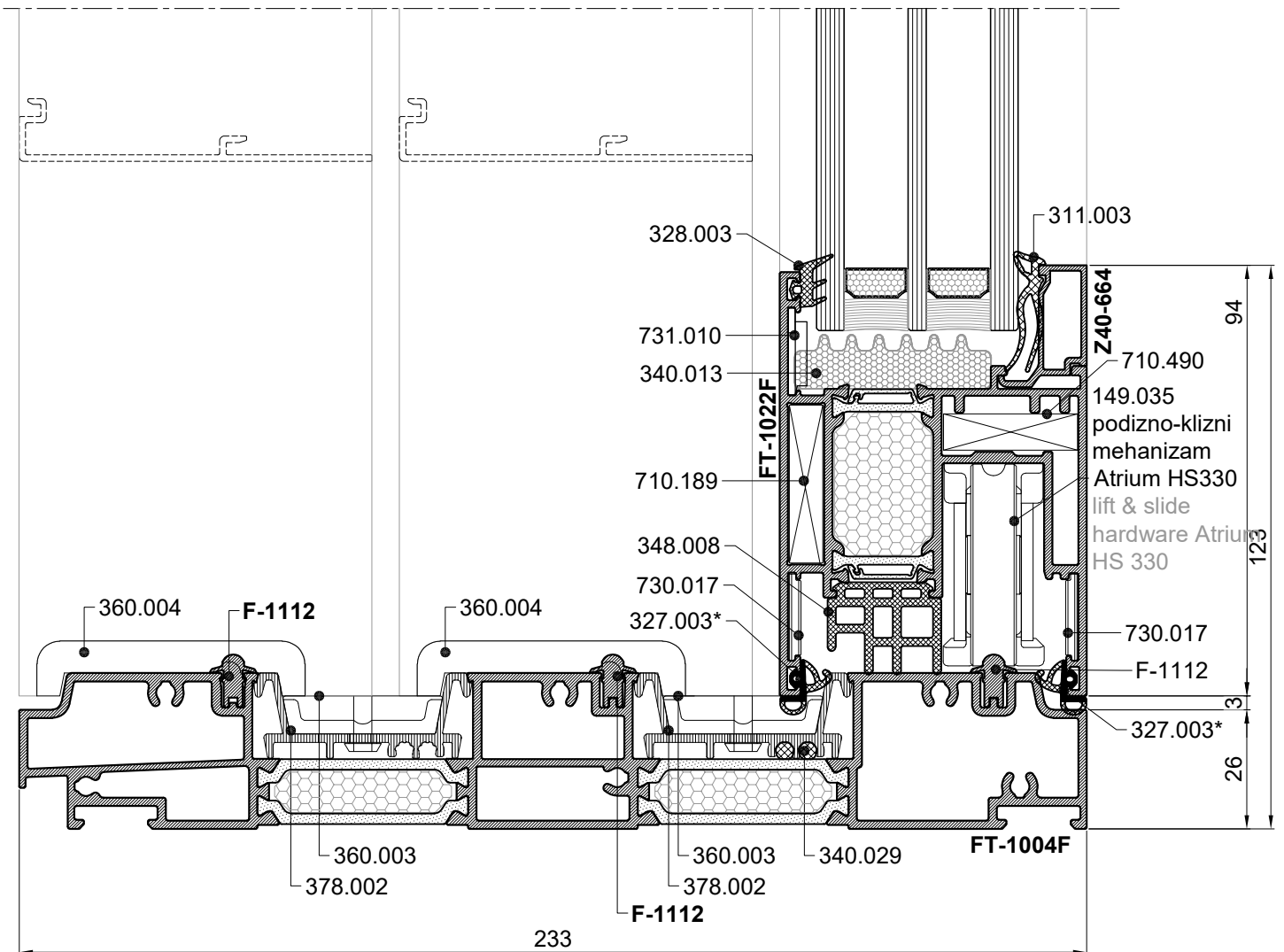


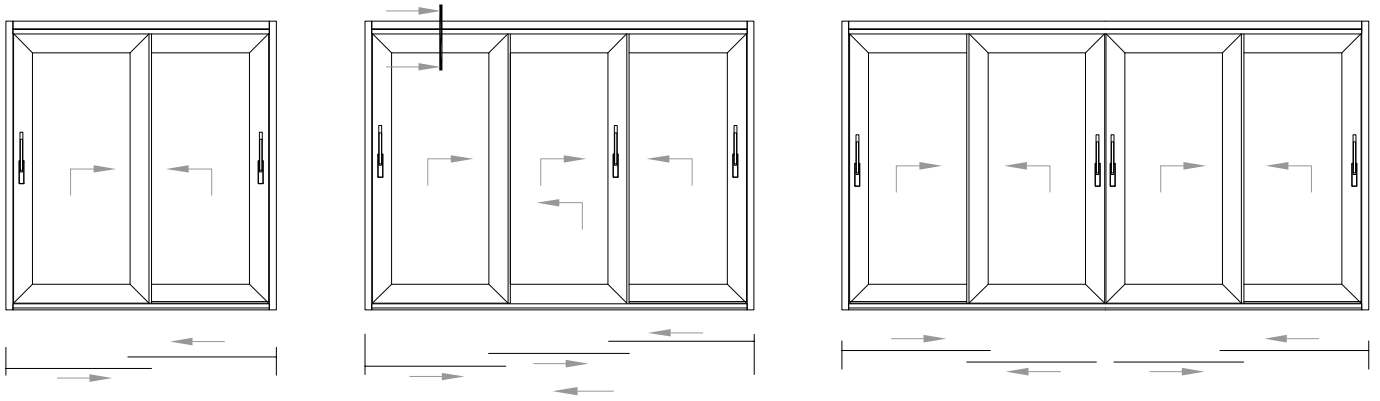
**Presjek s krilom FT-1022F**

Cross section with sash FT-1022F

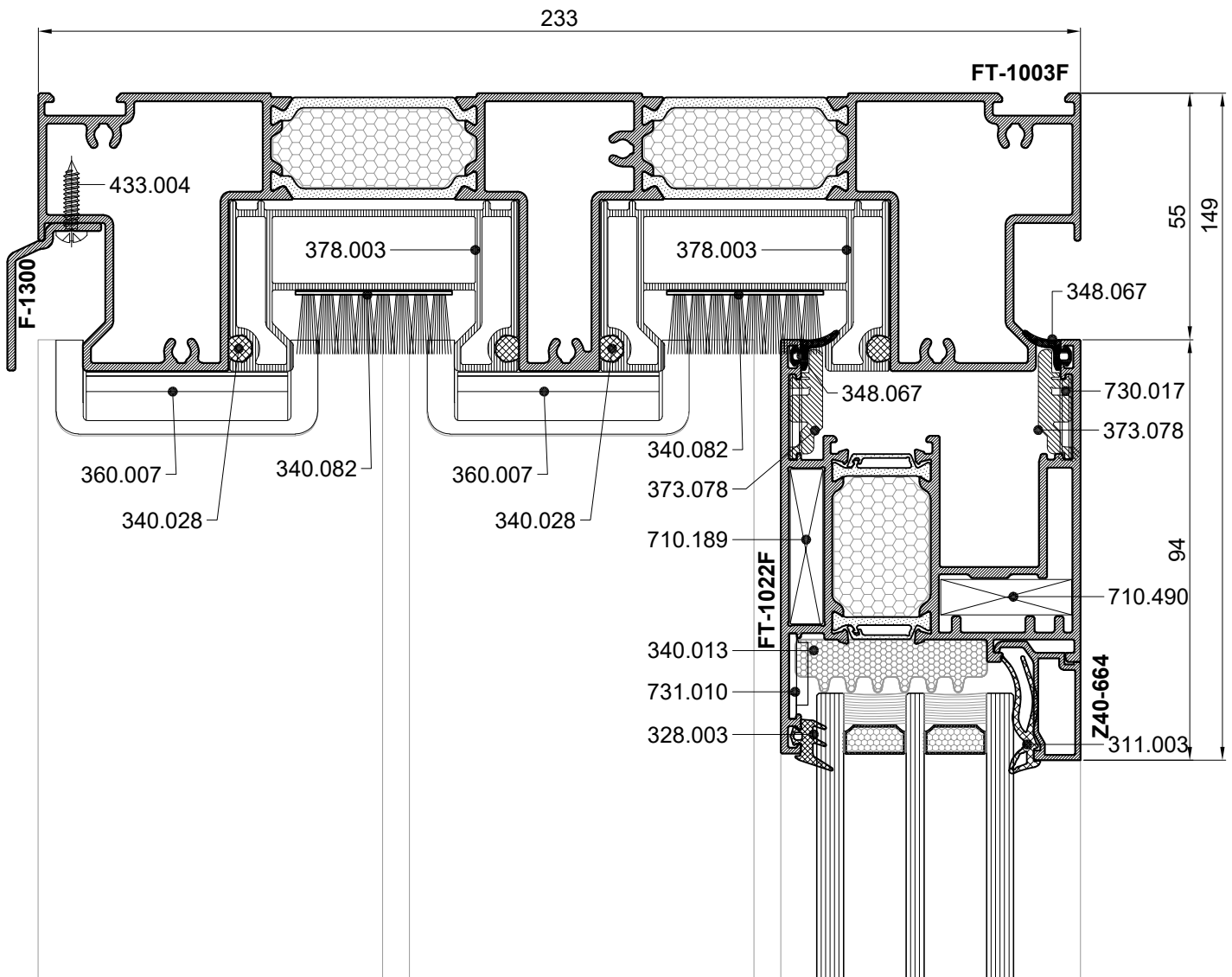
\*Mogućnost korištenja brtve 344.107

\*The possibility of using a gasket 344.107





Presjek s krilom **FT-1022F**  
Cross section with sash **FT-1022F**



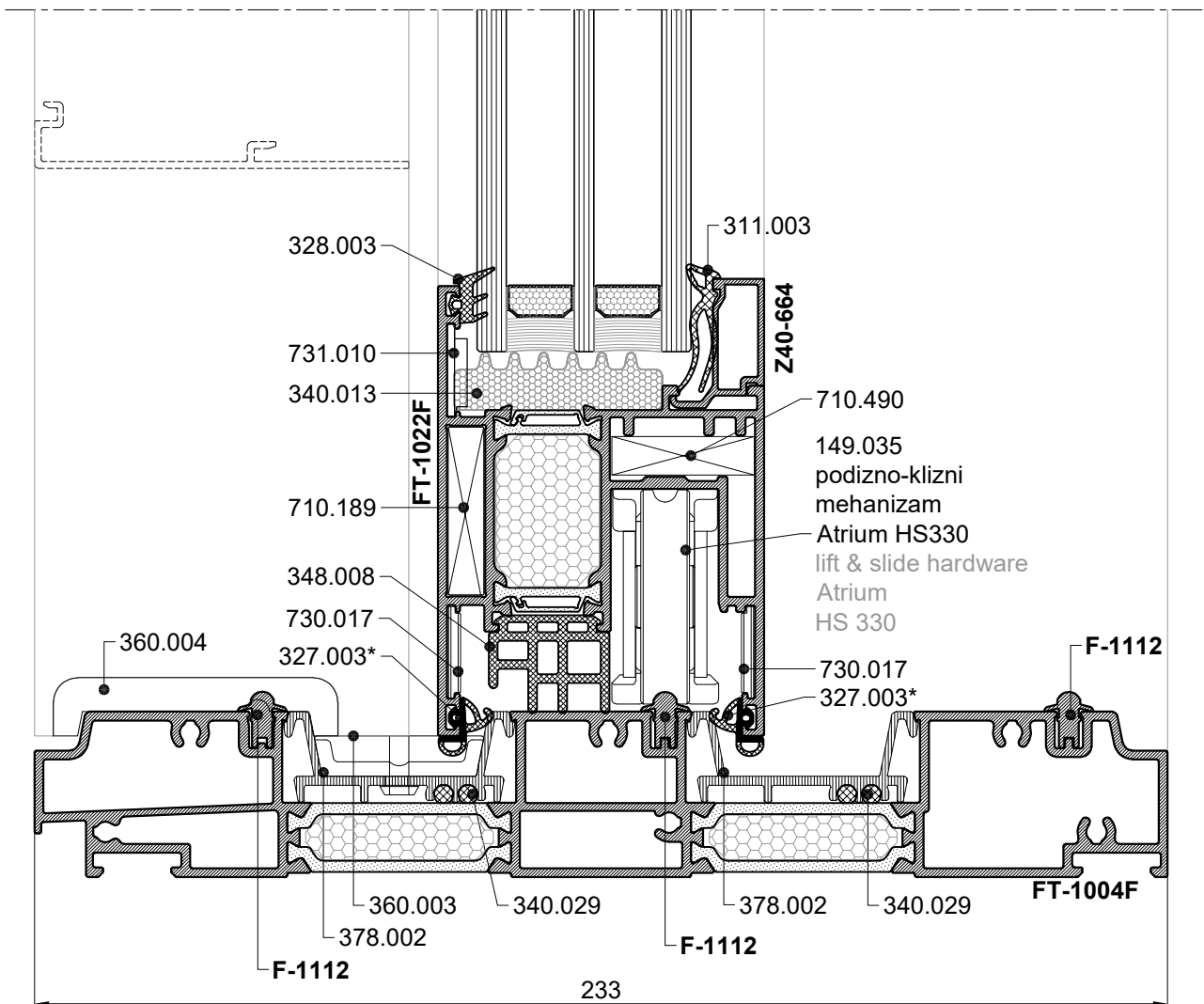


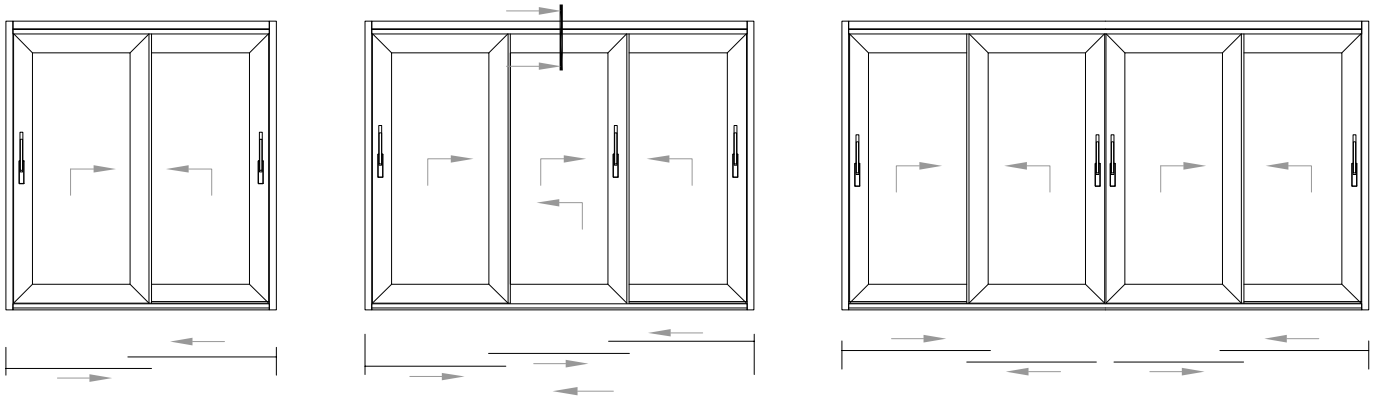
**Presjek s krilom FT-1022F**

Cross section with sash FT-1022F

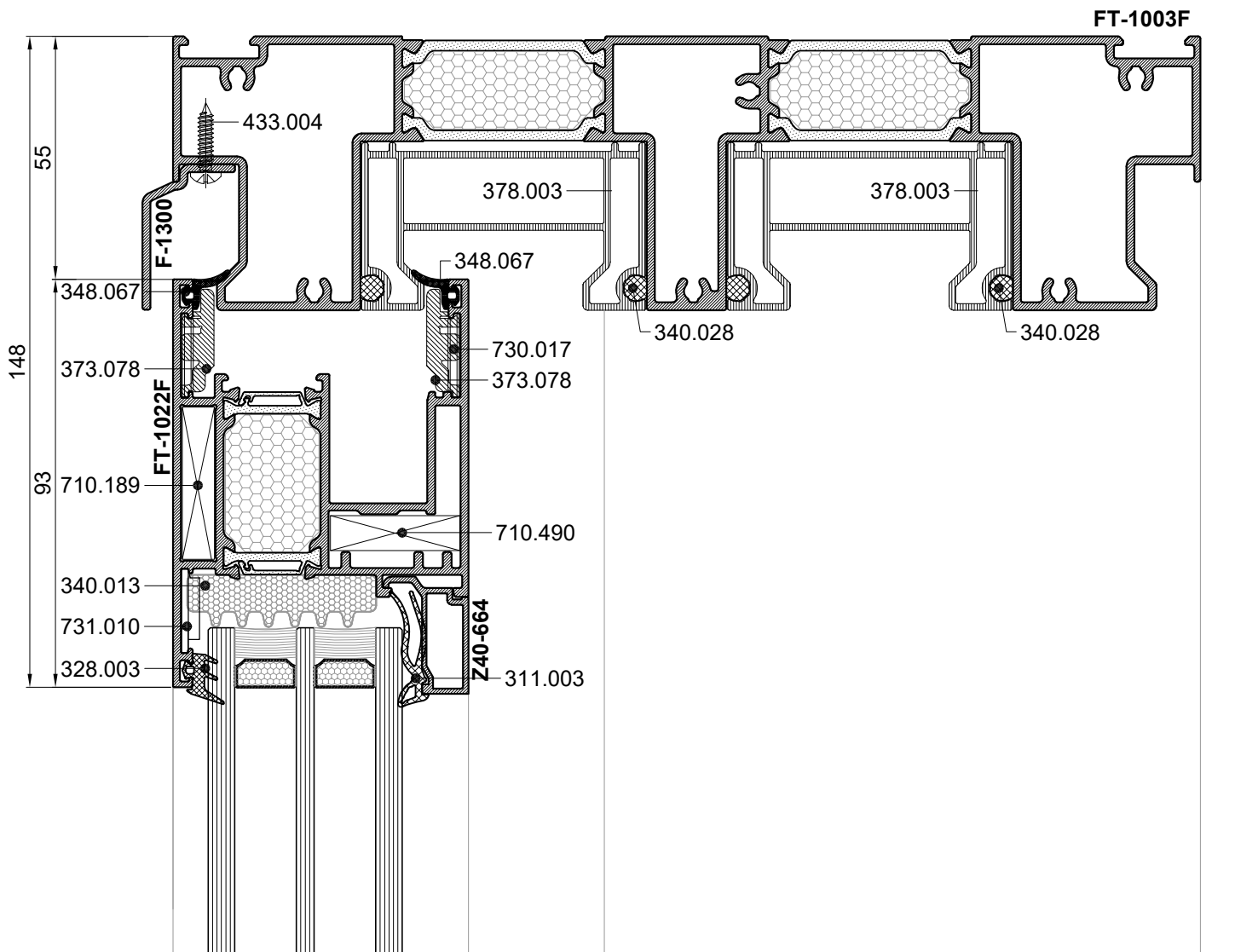
\*Mogućnost korištenja brtve 344.107

\*The possibility of using a gasket 344.107





Presjek s krilom FT-1022F  
Cross section with sash FT-1022F



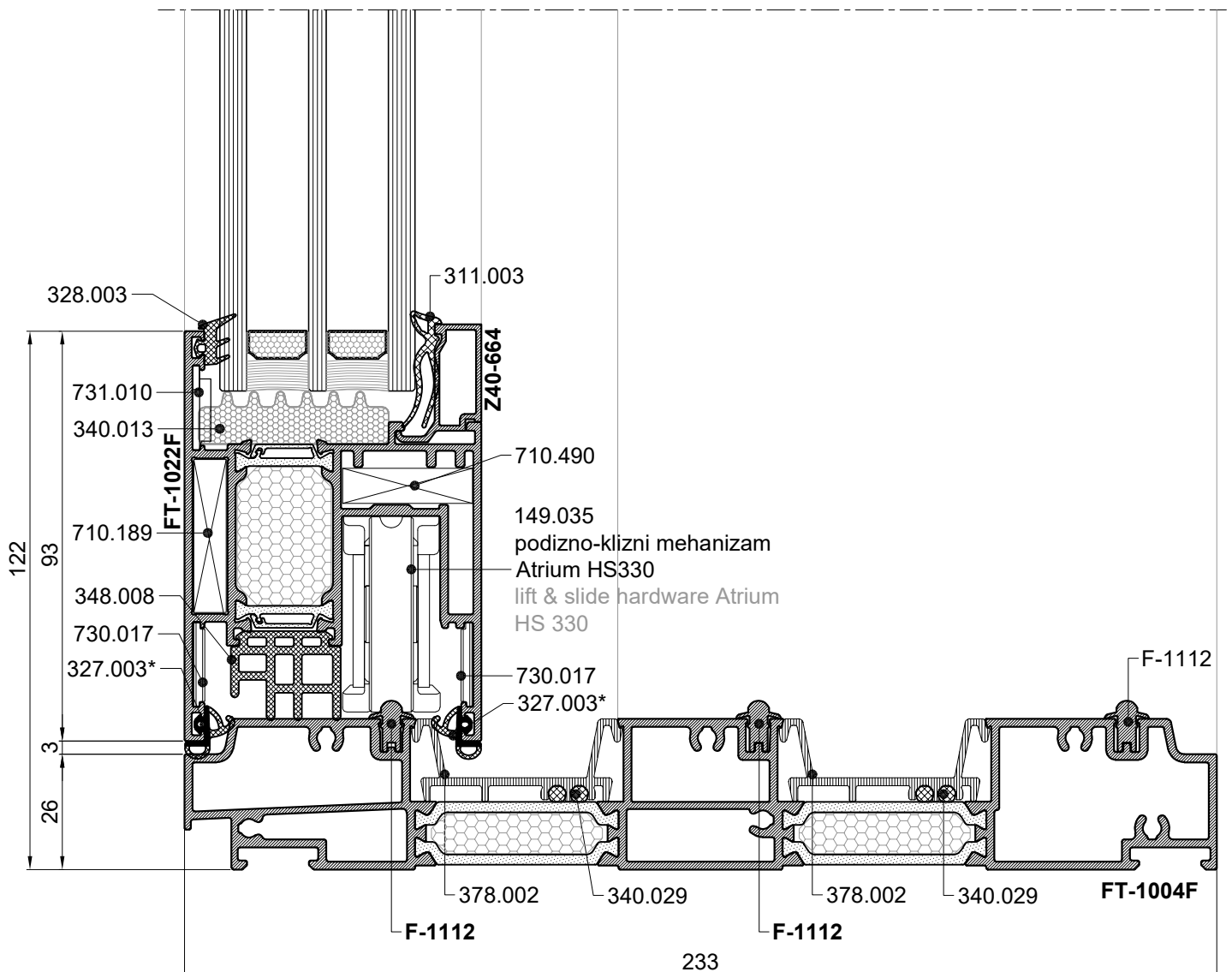


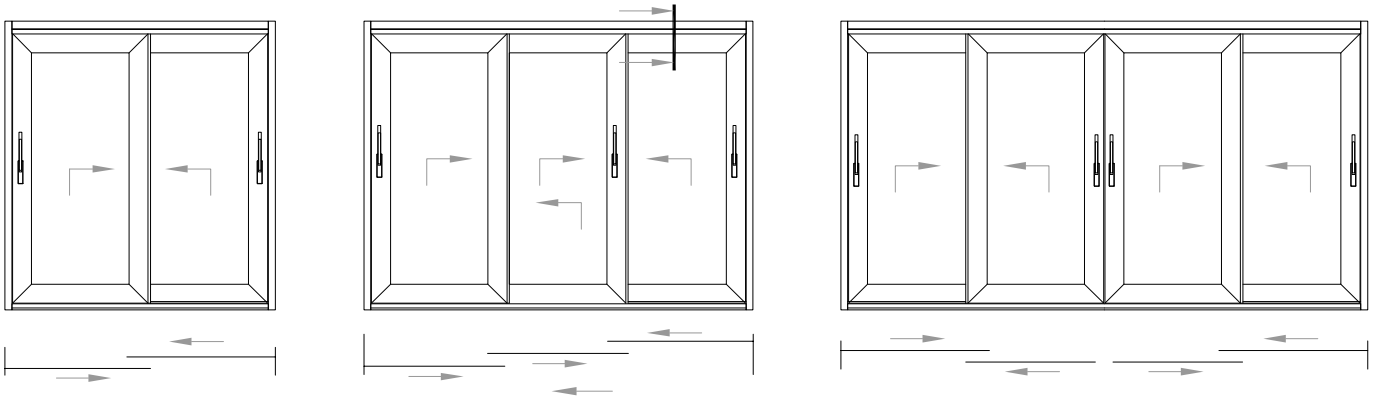
**Presjek s krilom FT-1022F**

Cross section with sash FT-1022F

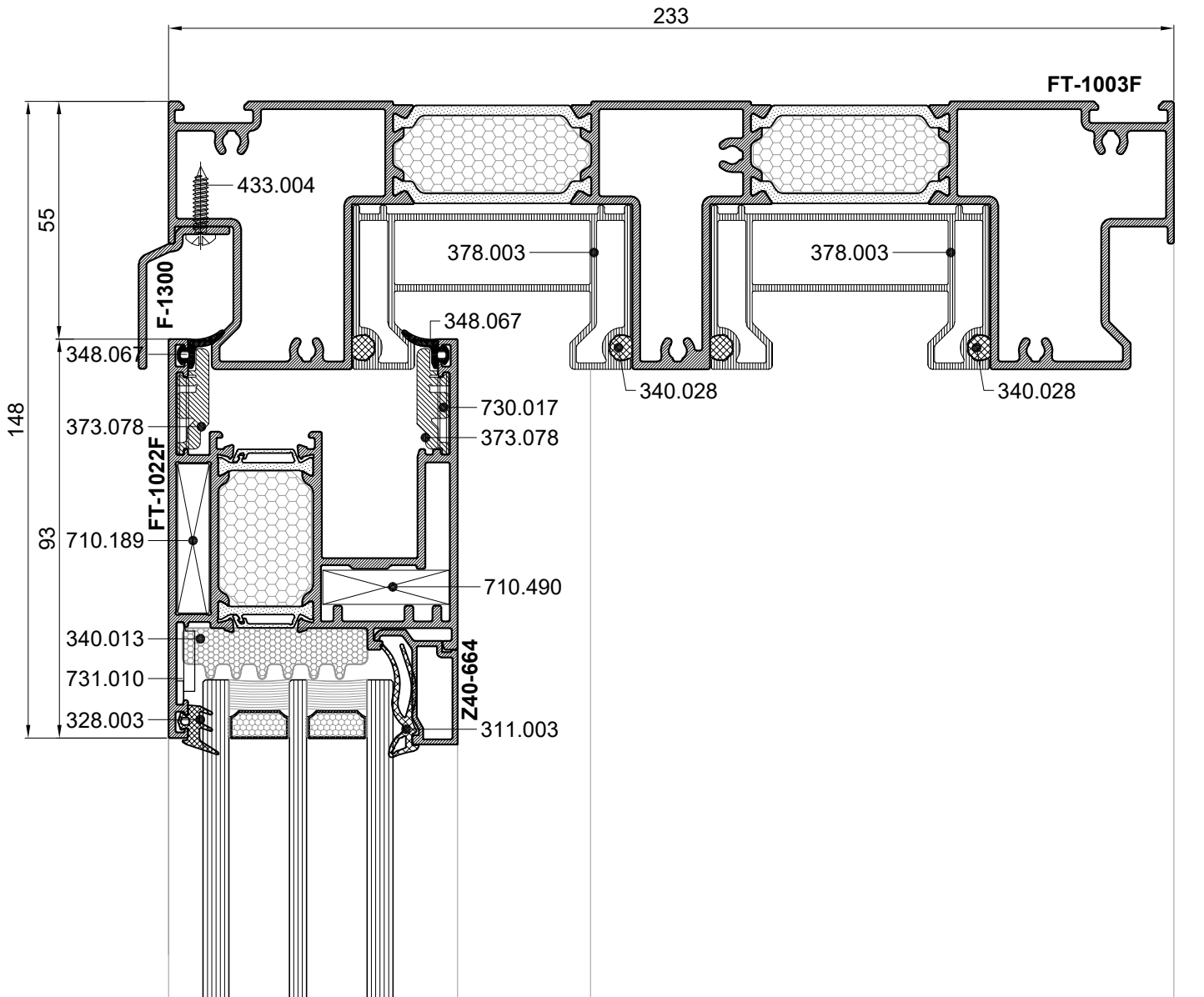
\*Mogućnost korištenja brtve 344.107

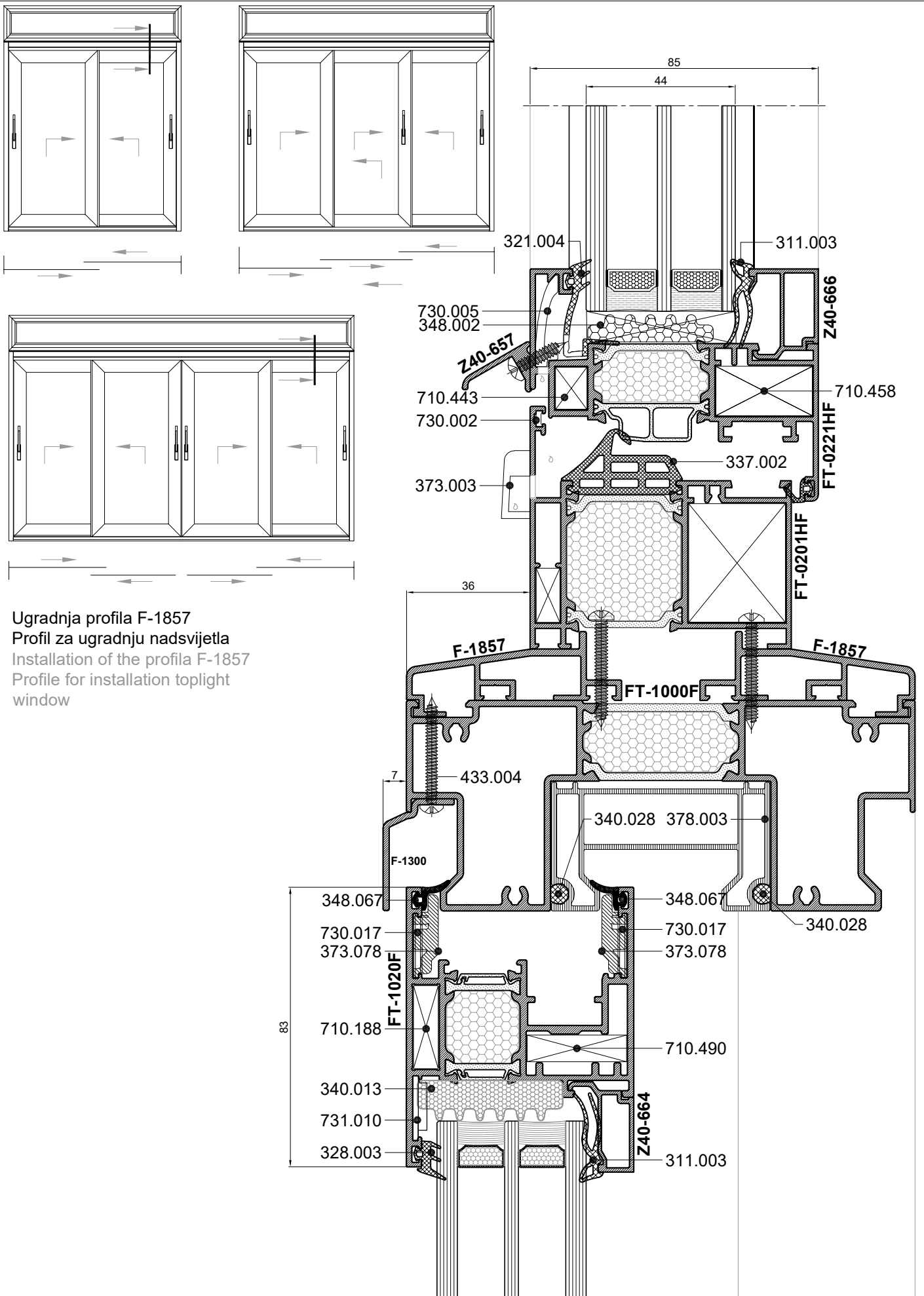
\*The possibility of using a gasket 344.107



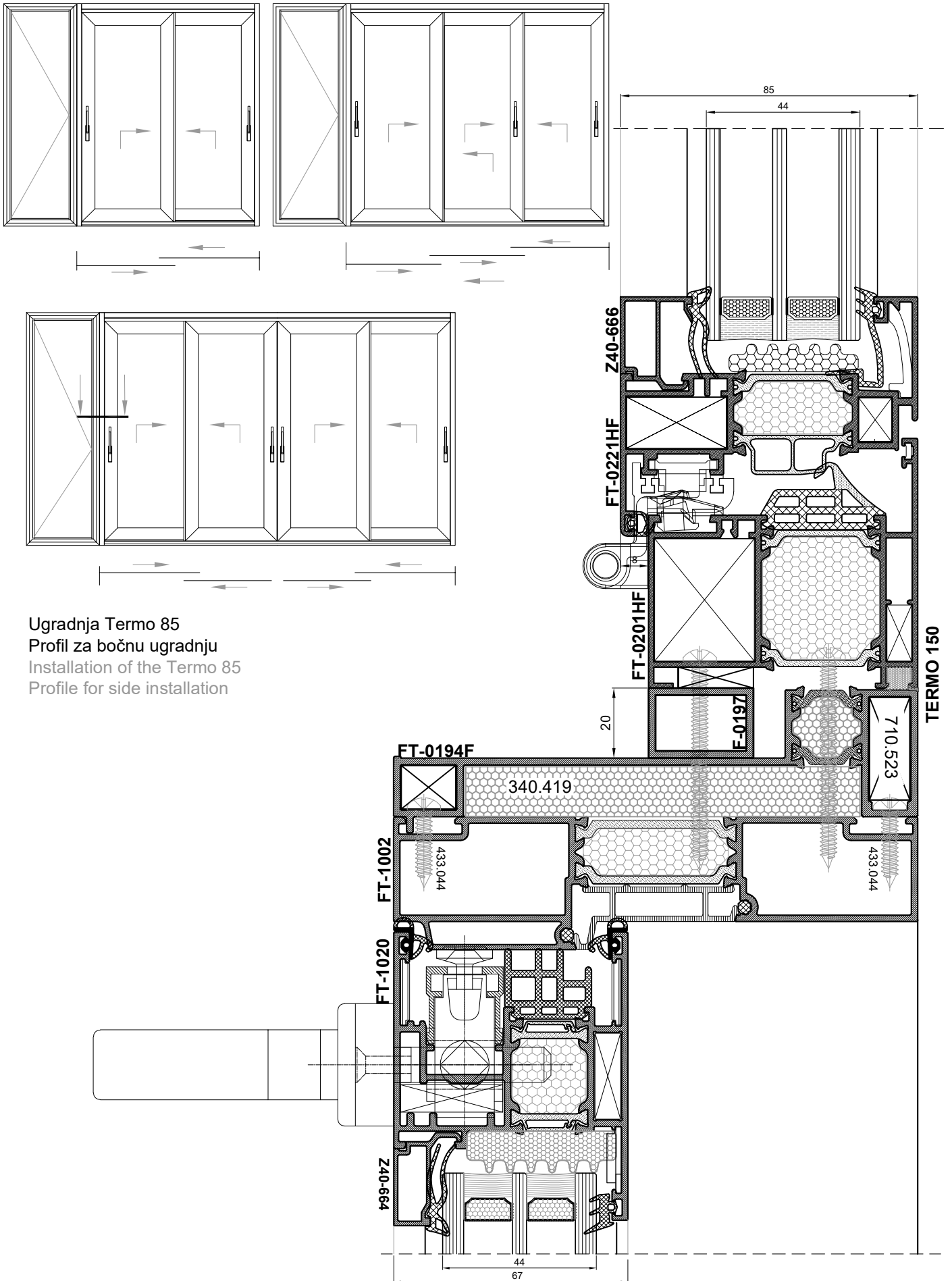


Presjek s krilom **FT-1022F**  
Cross section with sash **FT-1022F**

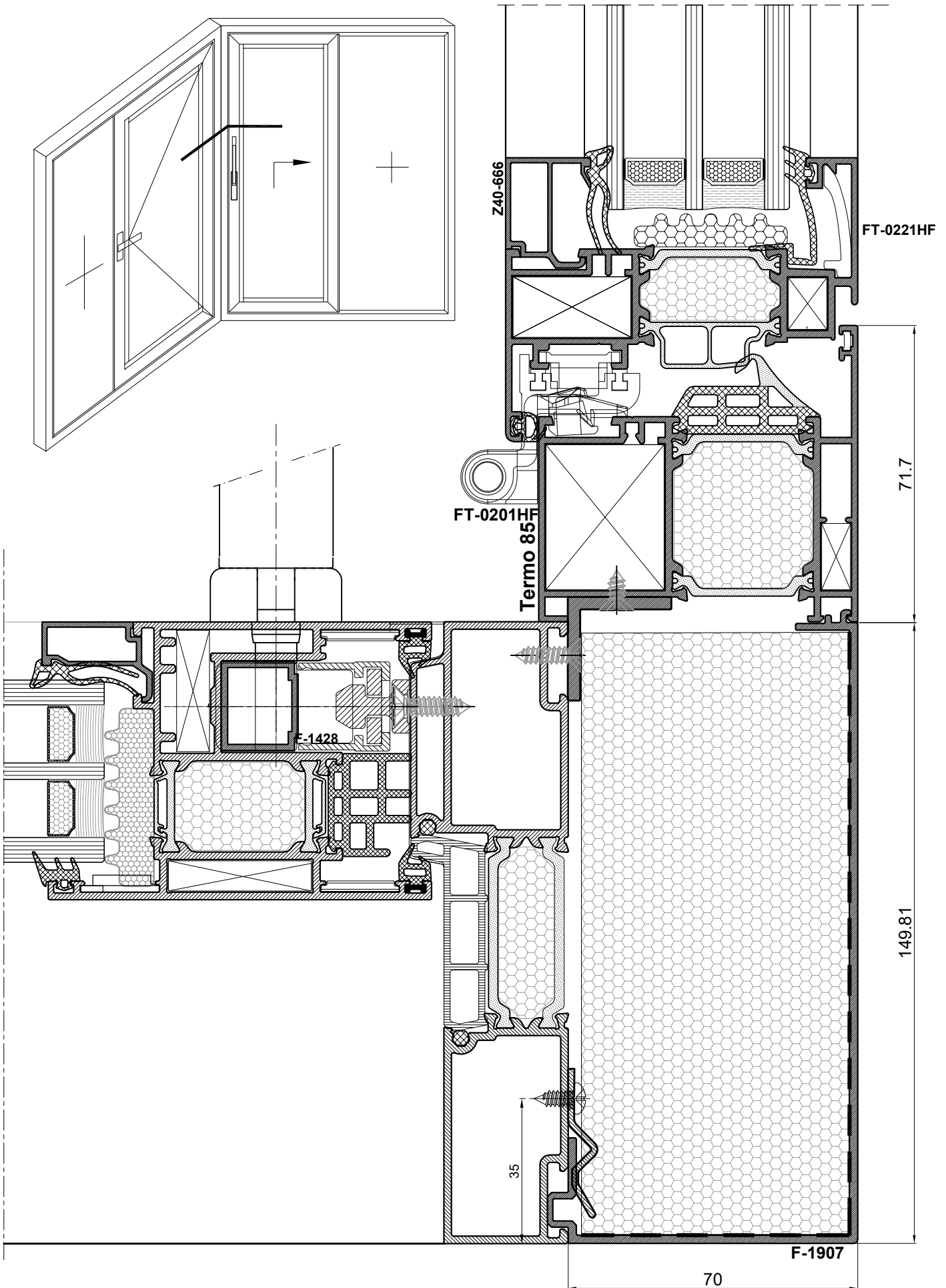


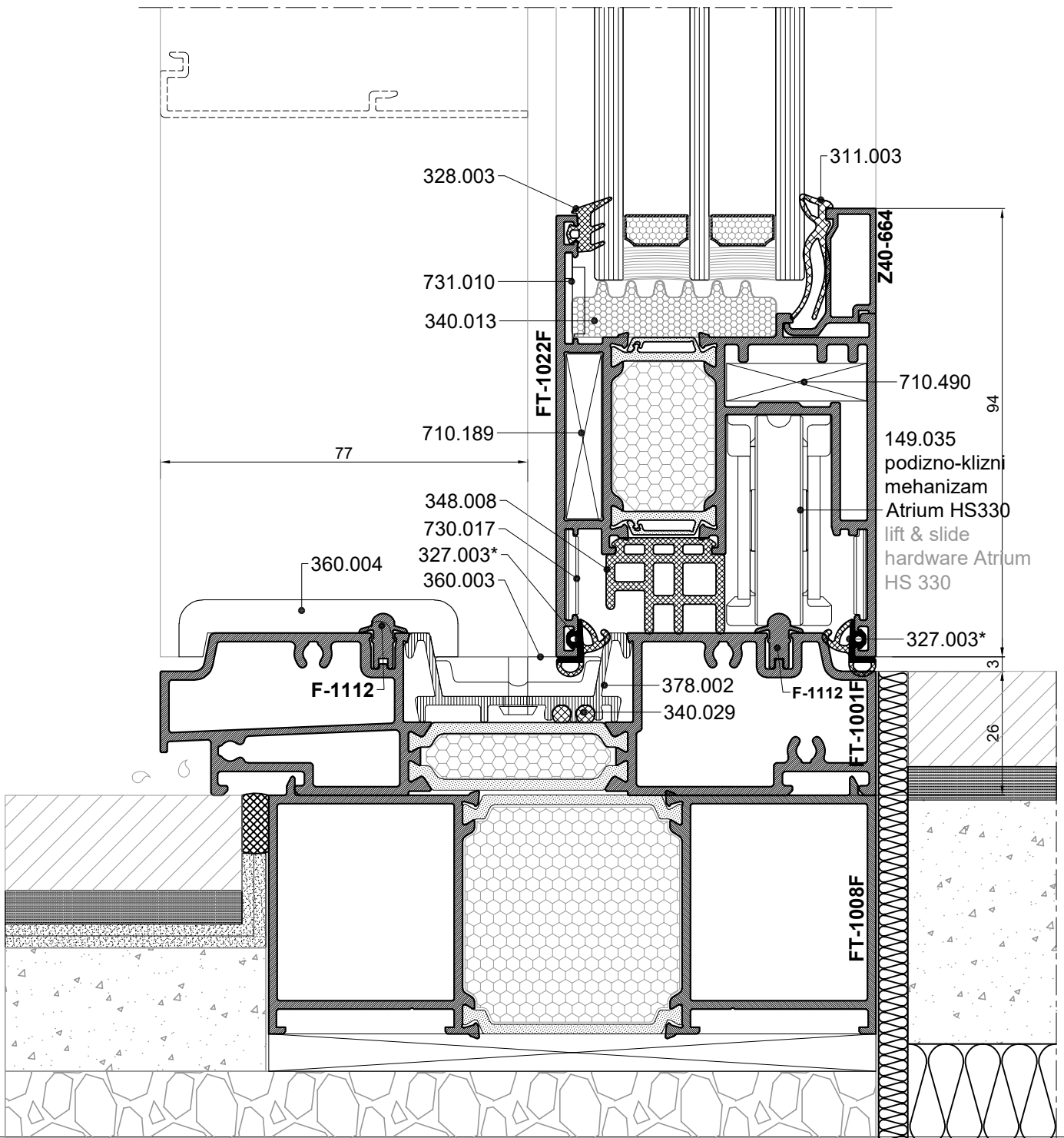


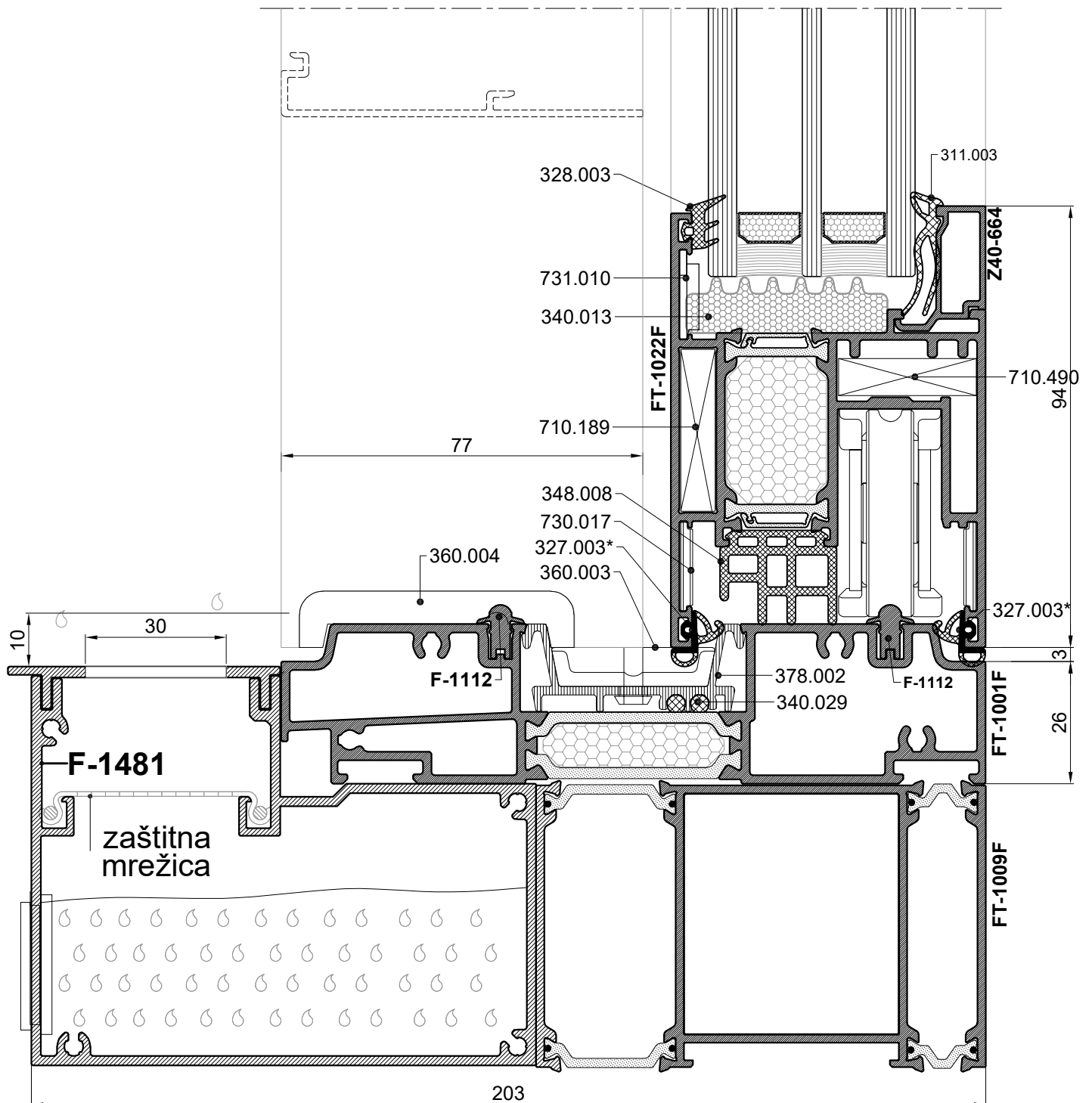
Ugradnja profila F-1857  
 Profil za ugradnju nadsvijetla  
 Installation of the profila F-1857  
 Profile for installation toplight  
 window

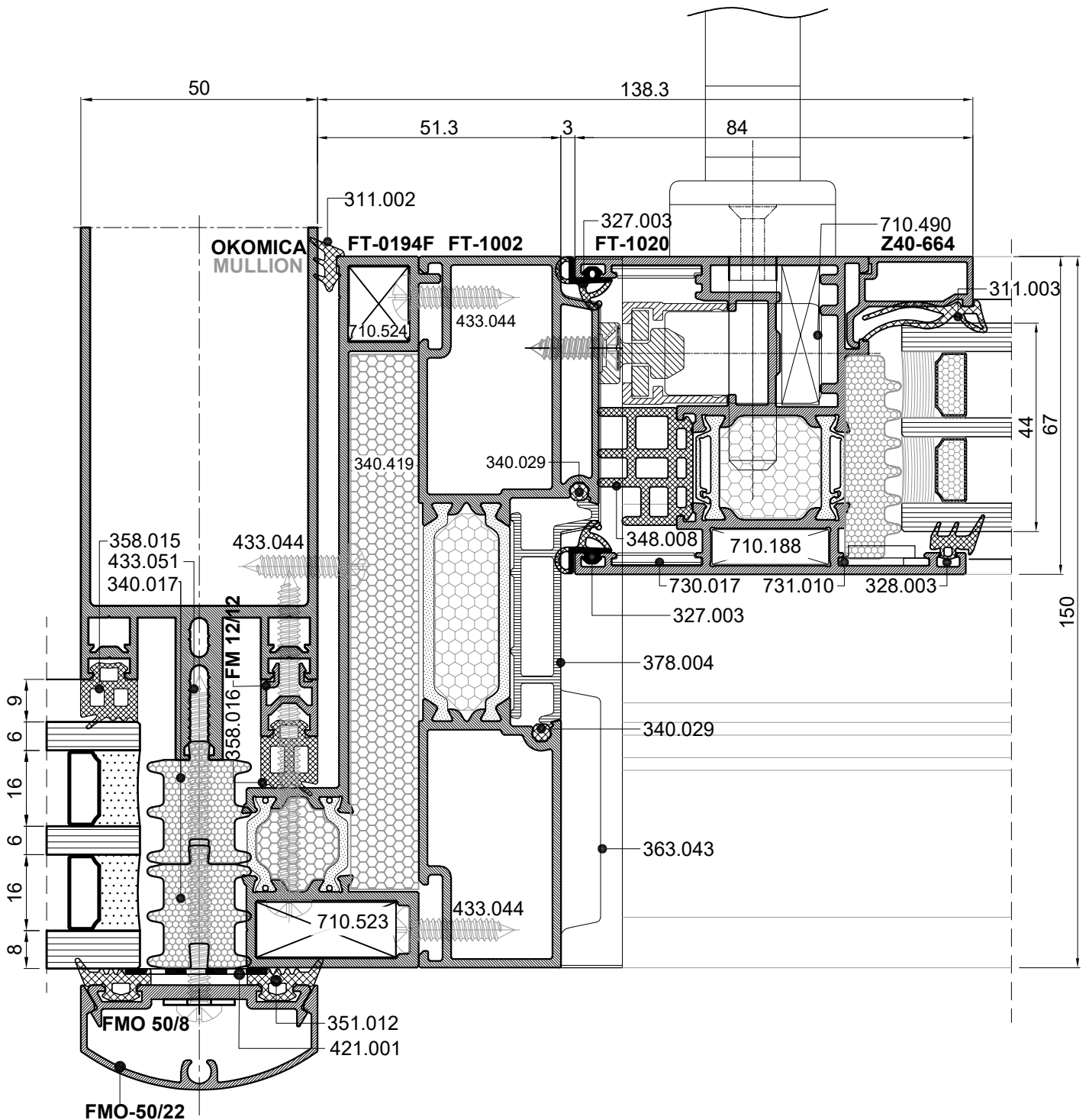
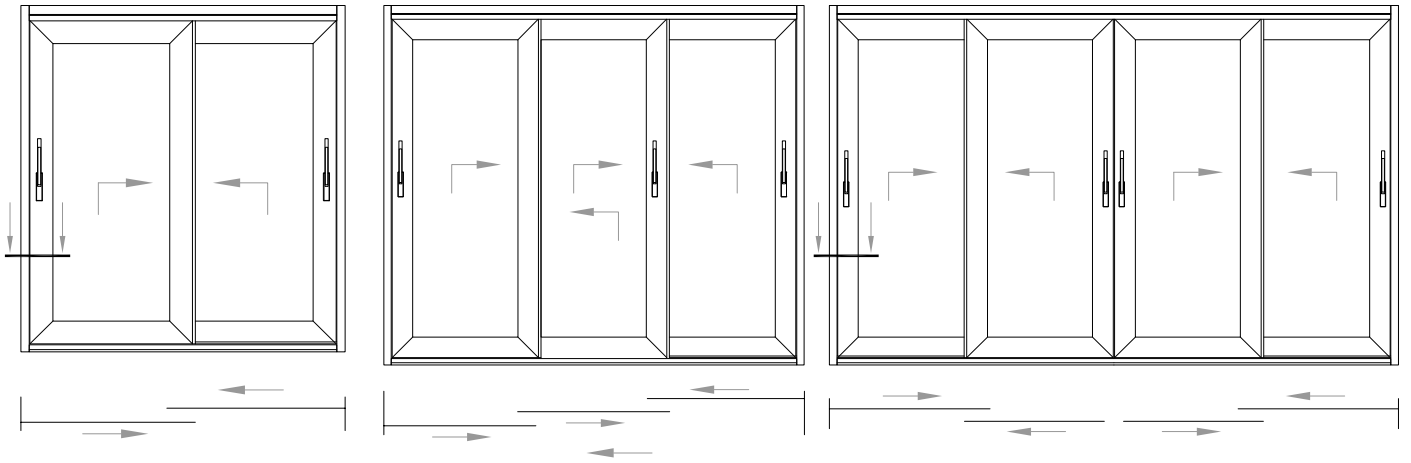


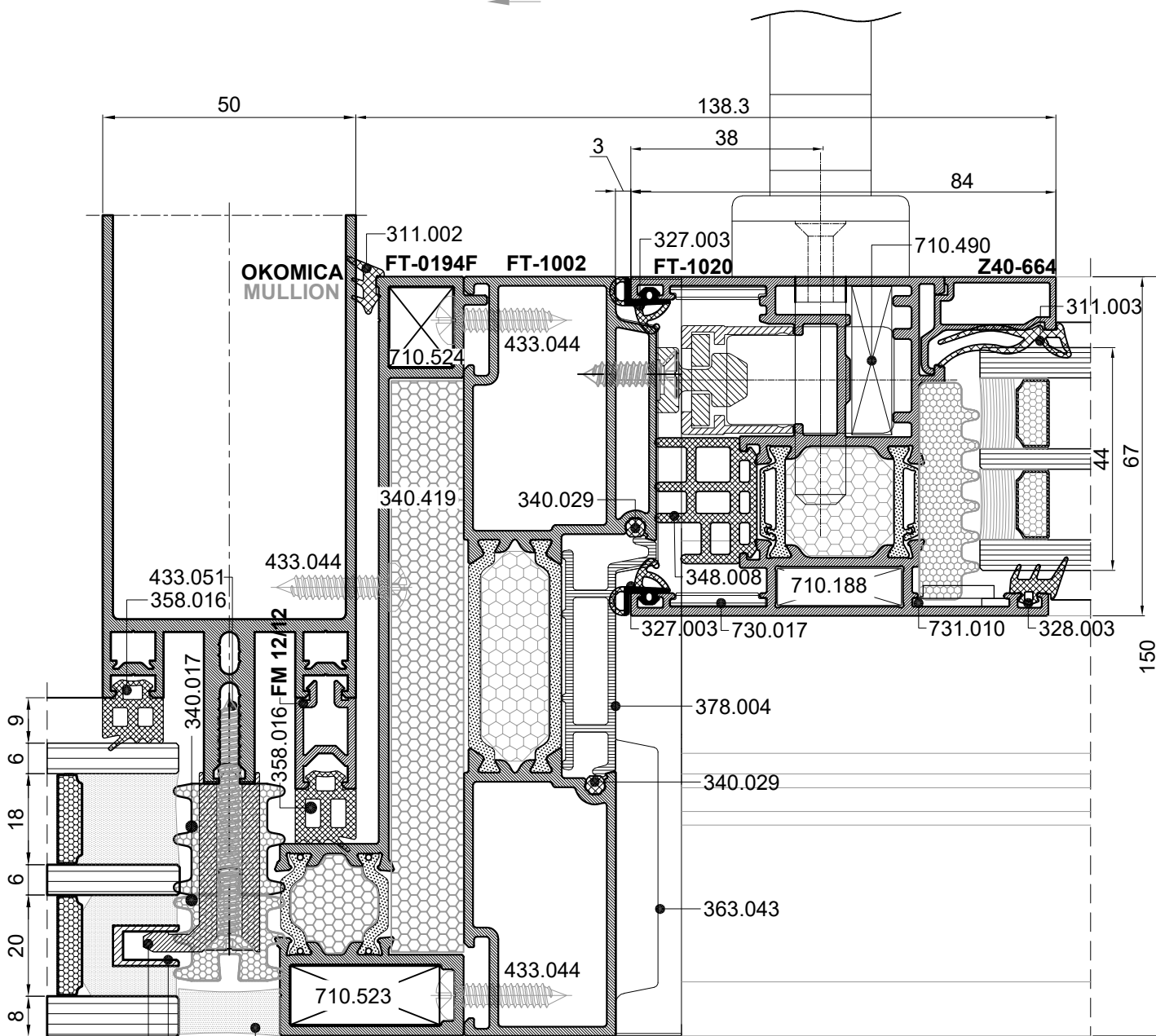
Ugradnja Termo 85  
 Profil za bočnu ugradnju  
 Installation of the Termo 85  
 Profile for side installation







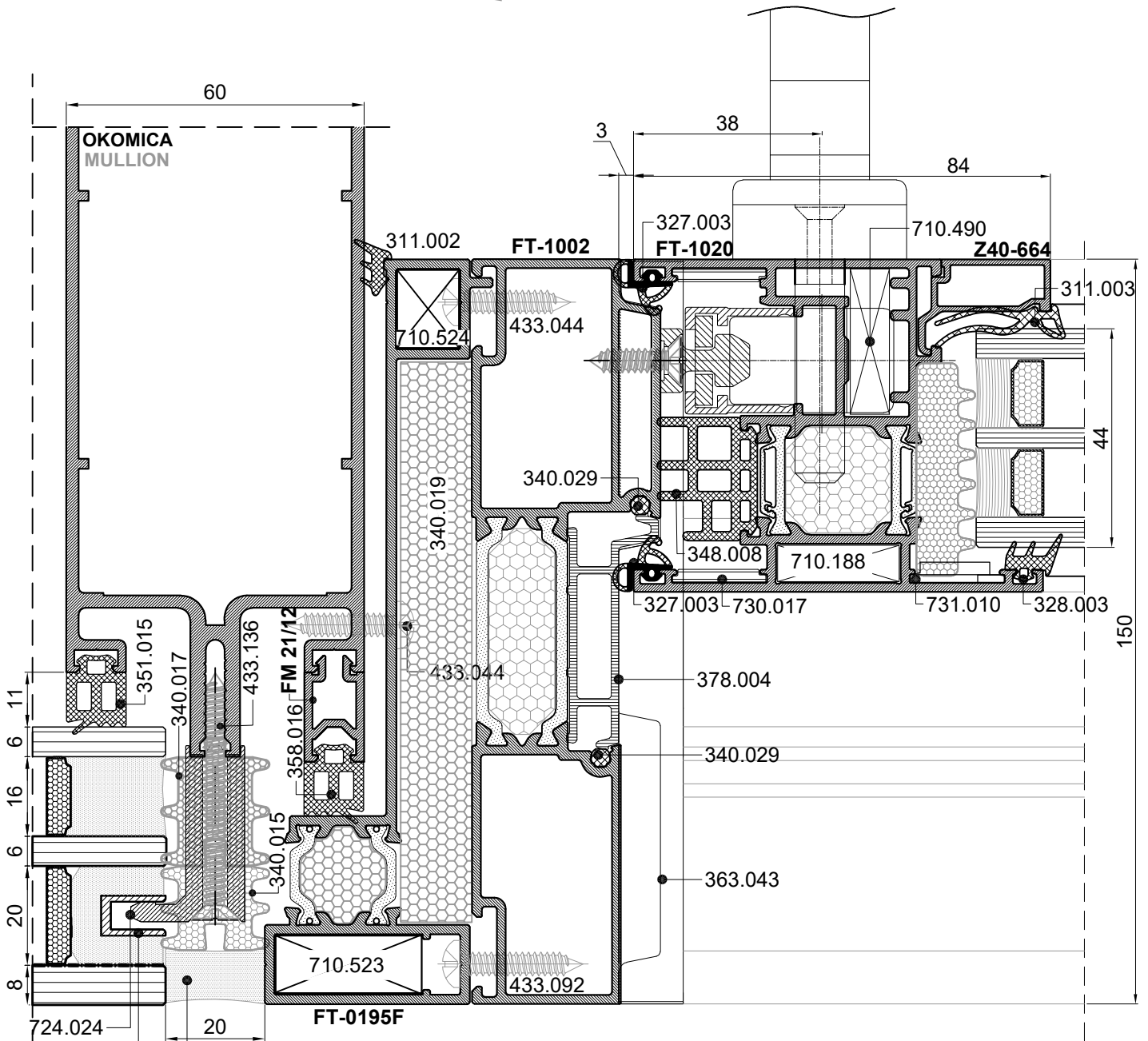
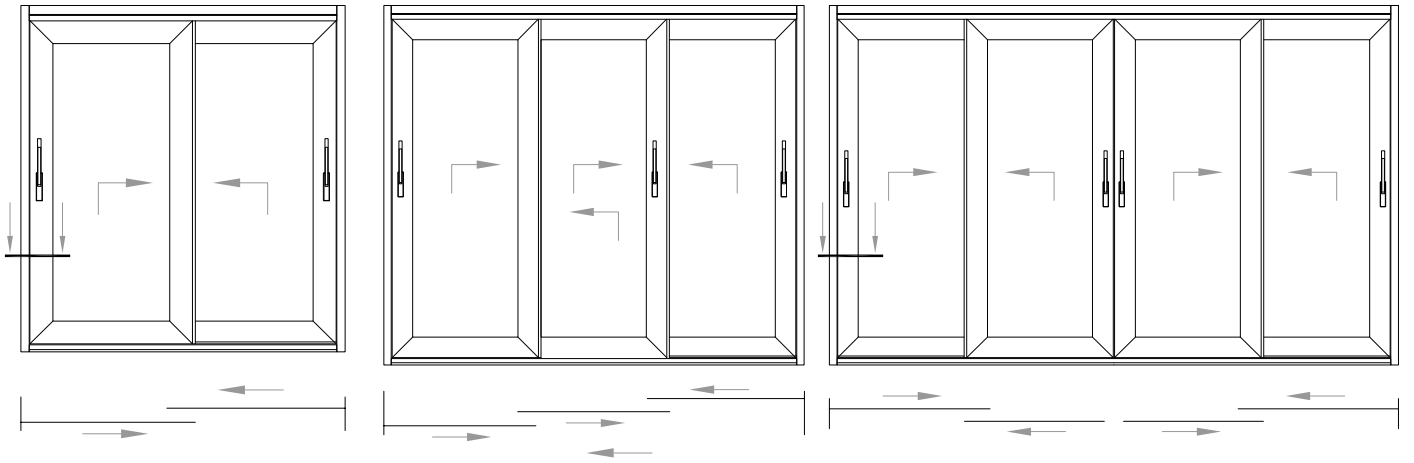




**F-0779** (eloksaža S-10)  
ne starija od 6 mjeseci)  
**F-0779** (eloxated no earlier  
than 6 months ago)

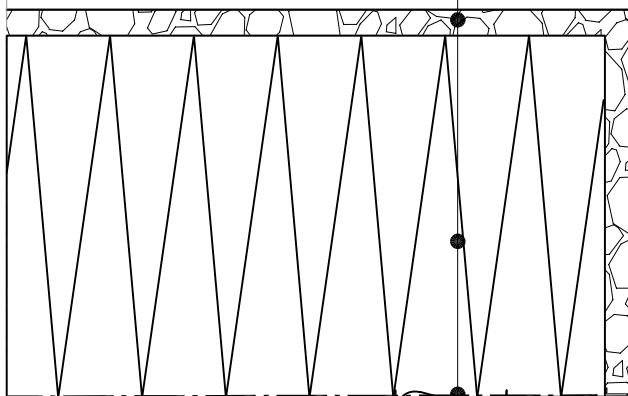
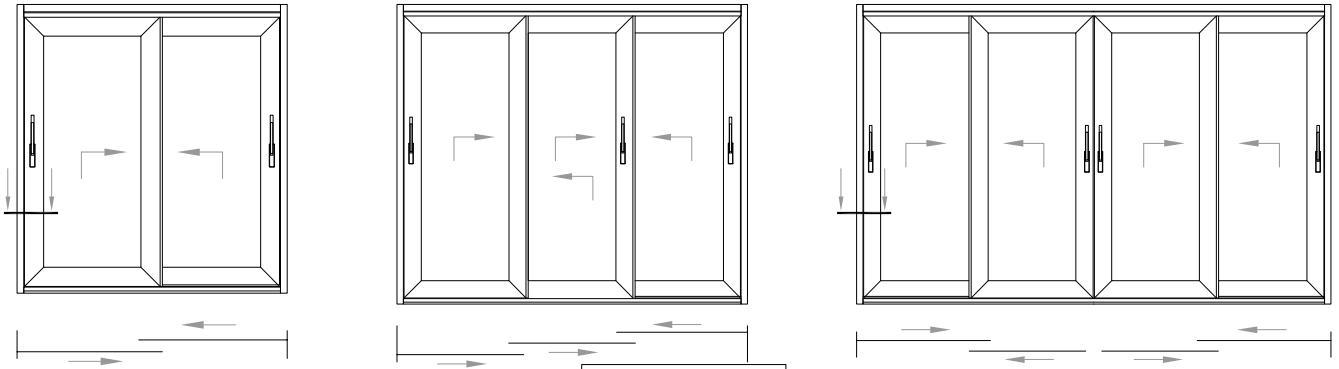
**DOW CORNING DC 791**  
(Jednkompon. 72 sata  
mirovanja)  
**DOW CORNING DC 791**  
(One component 72 hour  
rest time)



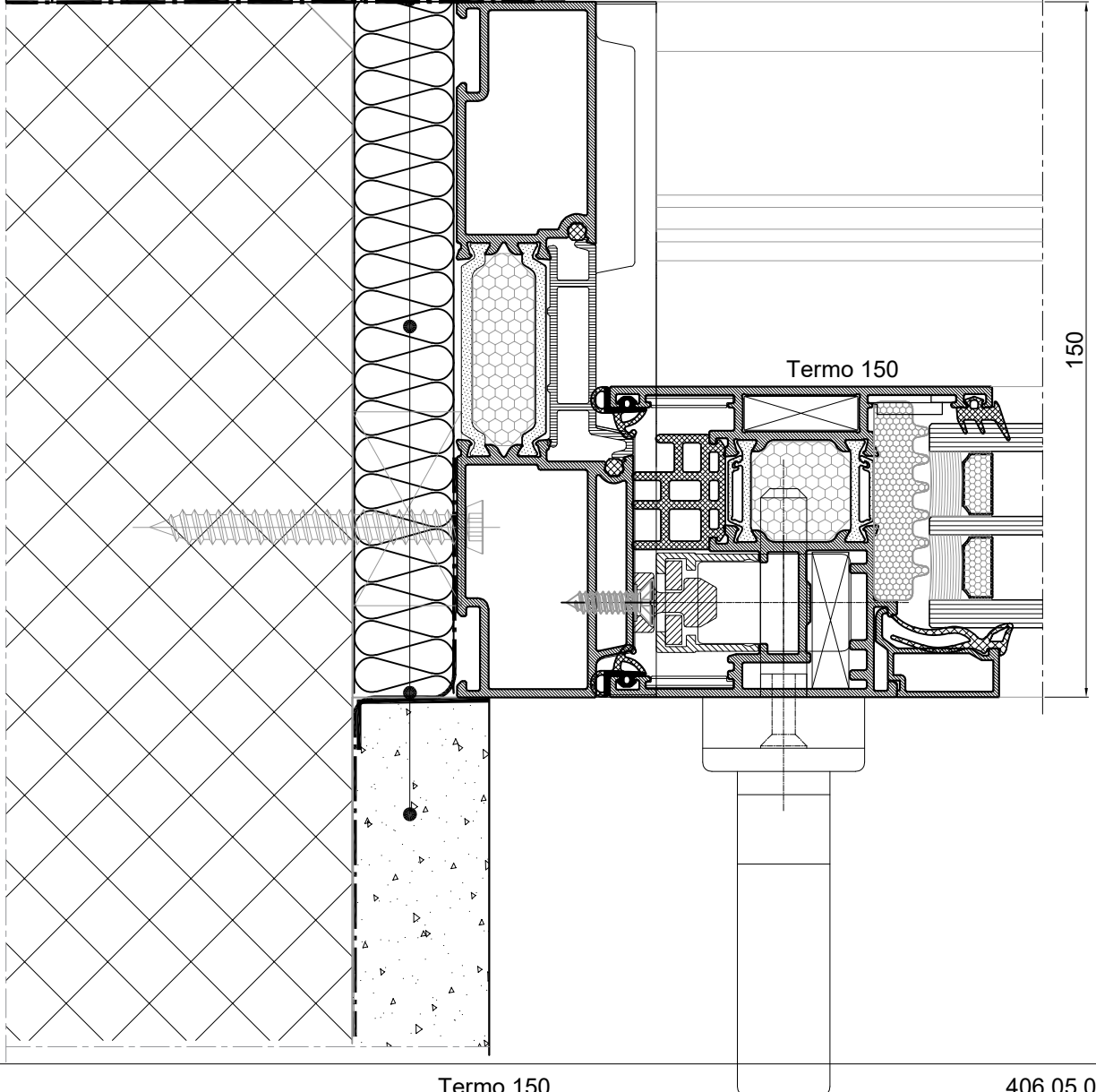


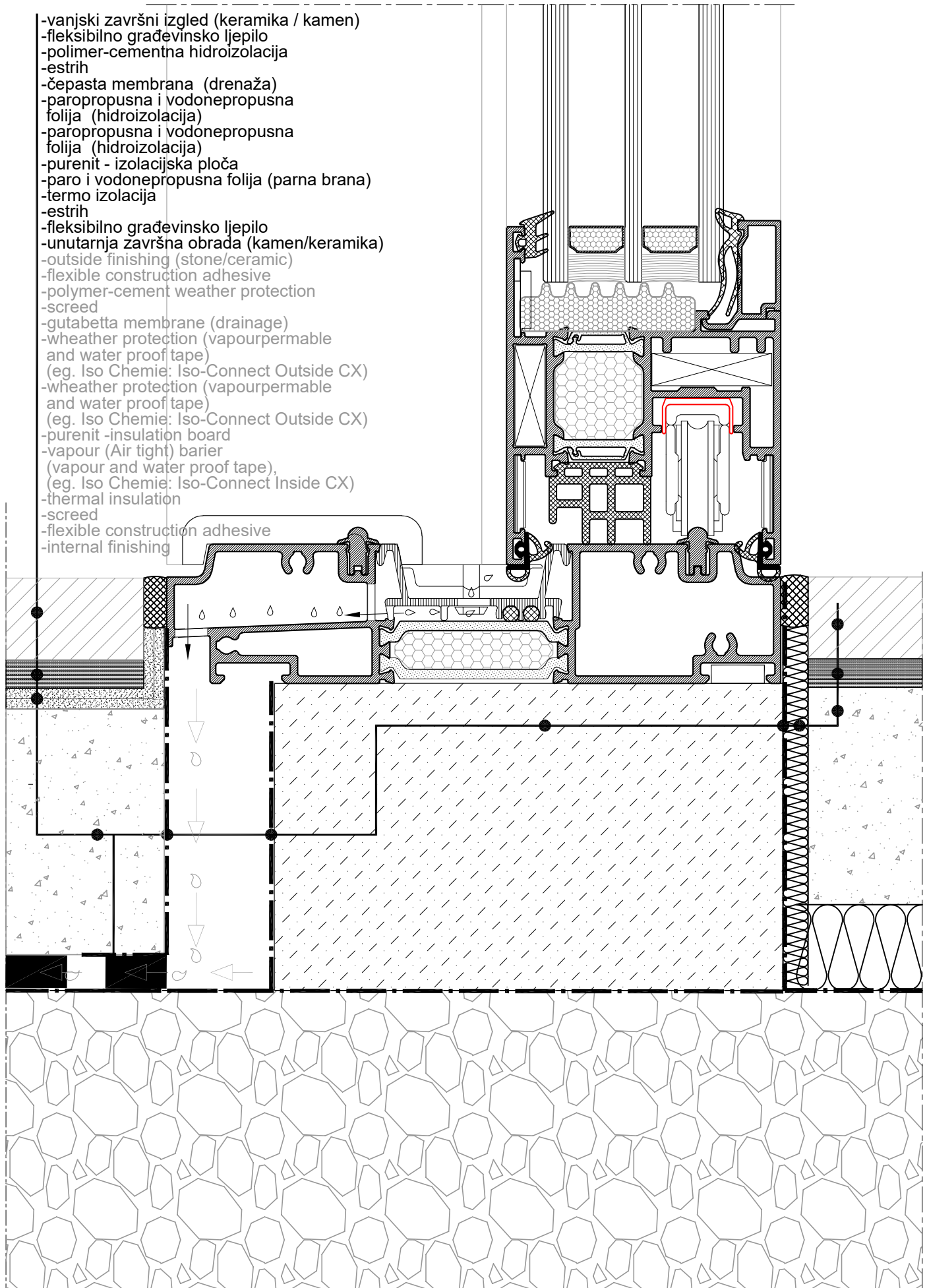
DOW CORNING DC 791 (Jednokomponentni 72 sata mirovanja)  
DOW CORNING DC 791 (One component 72 hours rest time)

F-0779 (eloksaza S-10) ne starija od 6 mjeseci  
F-0779 (eloxated in S-10 no earlier than 6 months ago)

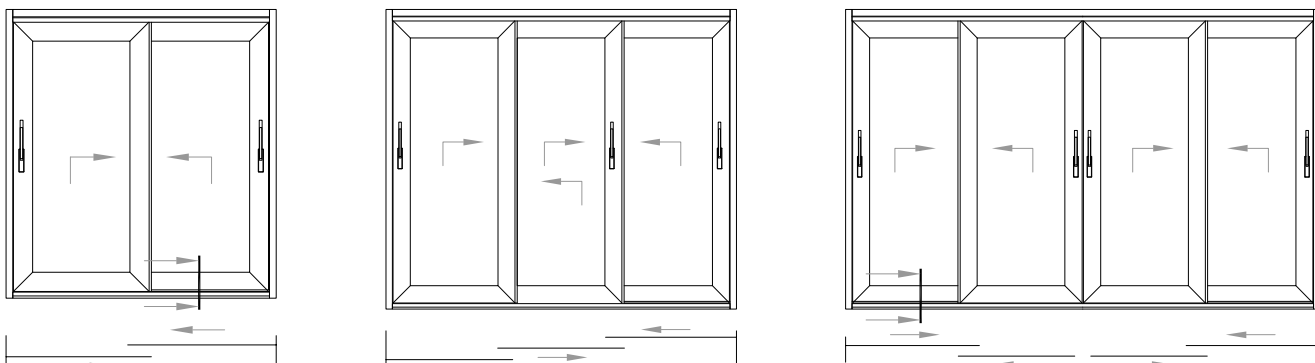


- vanjska završna obrada
- vanjska toplinska izolacija
- paropropusna i vodonepropusna folija (hidroizolacija)
- toplinska izolacija
- paro- i vodonepropusna folija (parna brana)
- unutarnja završna obrada
- outside finishing
- outside thermal insulation
- vapor permeable and water impermeable (hydro insulation)
- thermal insulation
- vapor and water impermeable foil (vapor barrier)
- internal finishing



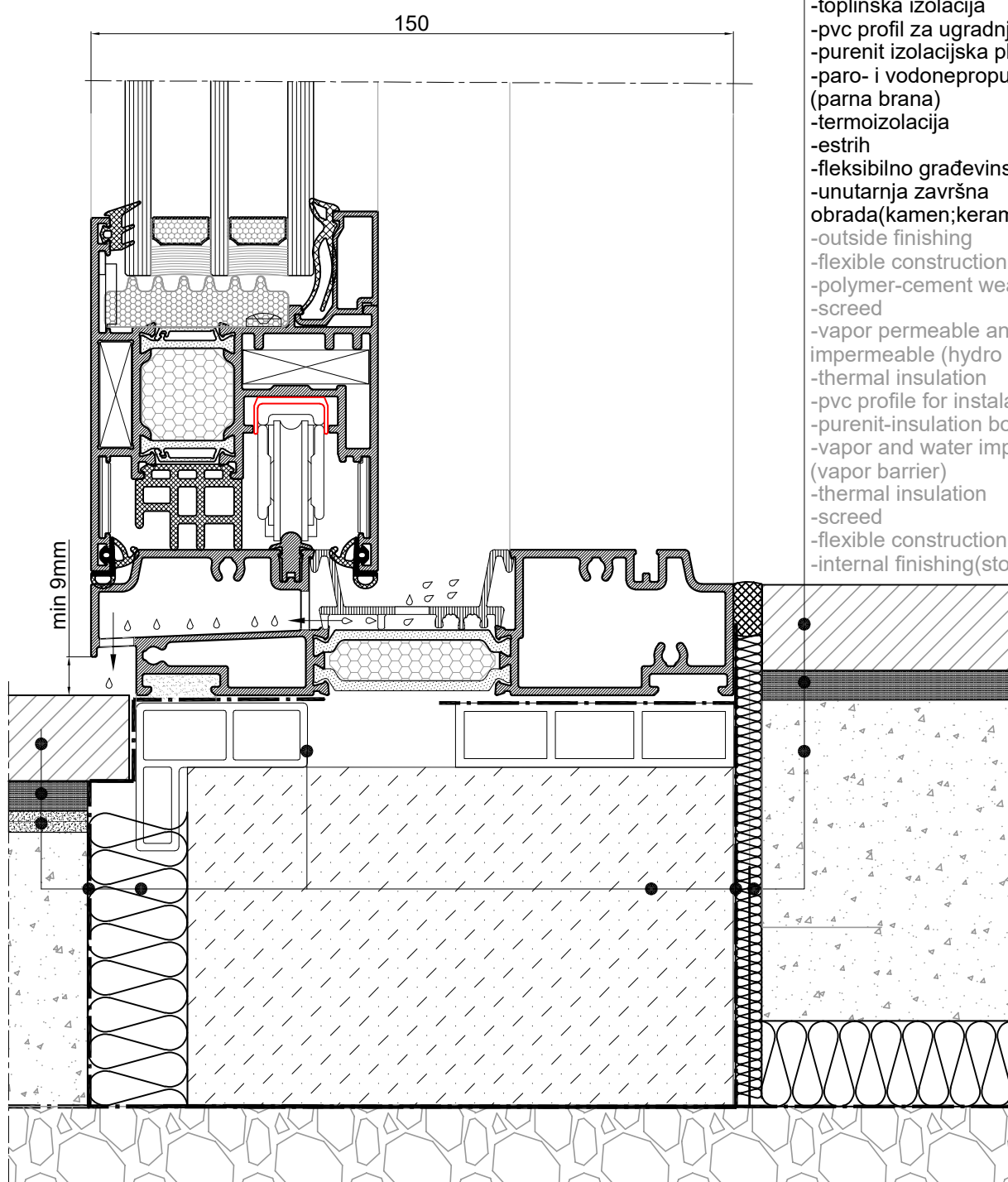


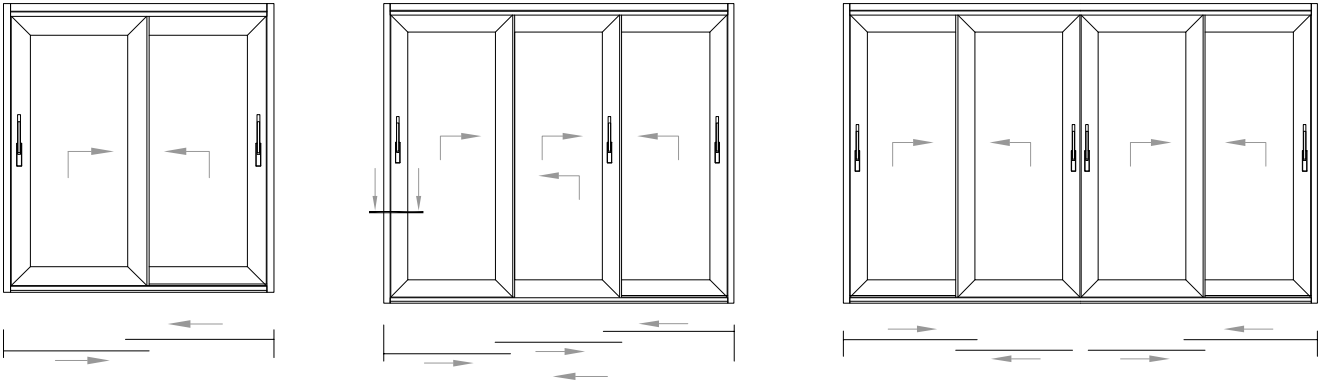
- vanjski završni izgled (keramika / kamen)
- fleksibilno građevinsko ljepilo
- polimer-cementna hidroizolacija
- estrih
- čepasta membrana (drenaža)
- paropropusna i vodonepropusna folija (hidroizolacija)
- paropropusna i vodonepropusna folija (hidroizolacija)
- purenit - izolacijska ploča
- paro i vodonepropusna folija (parna brana)
- termo izolacija
- estrih
- fleksibilno građevinsko ljepilo
- unutarnja završna obrada (kamen/keramika)
- outside finishing (stone/ceramic)
- flexible construction adhesive
- polymer-cement weather protection
- screed
- gutabetta membrane (drainage)
- weather protection (vapourpermable and water proof tape) (eg. Iso Chemie: Iso-Connect Outside CX)
- weather protection (vapourpermable and water proof tape) (eg. Iso Chemie: Iso-Connect Inside CX)
- purenit -insulation board
- vapour (Air tight) barier (vapour and water proof tape), (eg. Iso Chemie: Iso-Connect Inside CX)
- thermal insulation
- screed
- flexible construction adhesive
- internal finishing



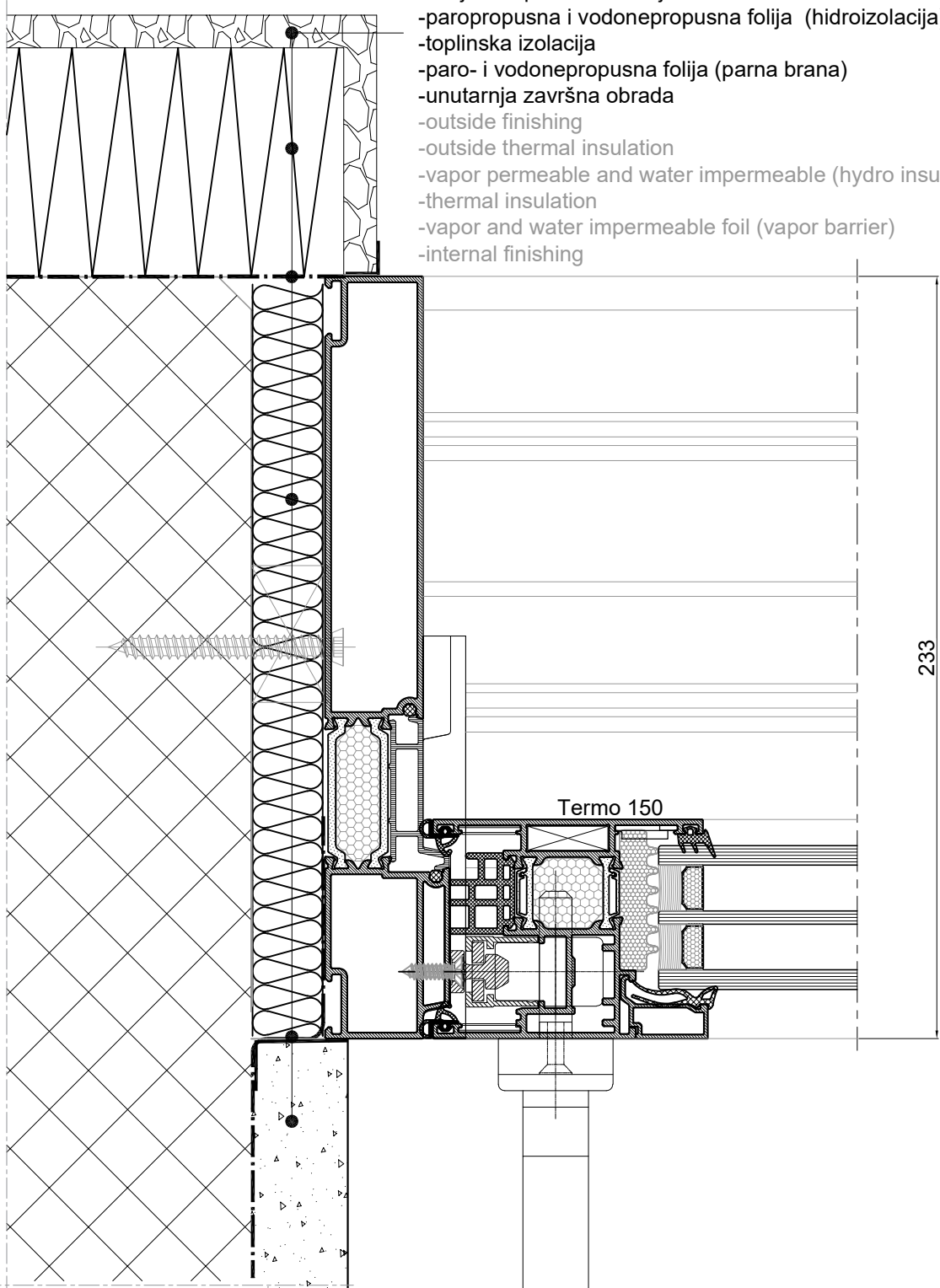
**NAPOMENA:** Ovakav način montaže primjenjiv je za pozicije koje nisu izložene direktnom udaru vjetrova i vode  
This mounting method is applicable for positions that are not exposed direct impact of wind and water

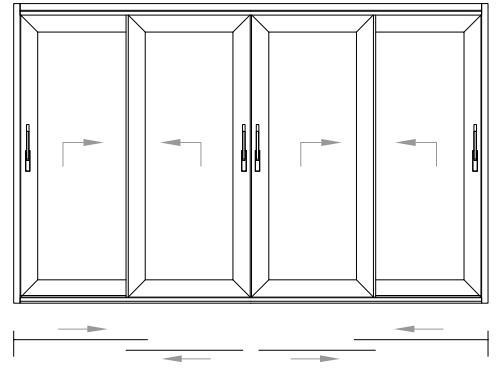
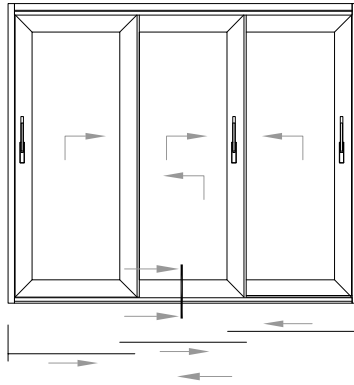
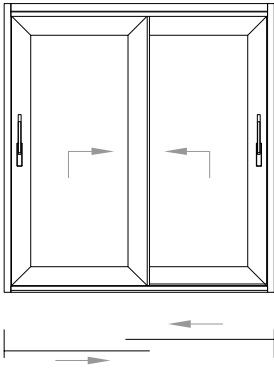
- vanjska završna obrada
- fleksibilno građevinsko ljepilo
- polimer-cementna hidroizolacija
- estrih
- paropropusna i vodonepropusna folija (hidroizolacija)
- toplinska izolacija
- pvc profil za ugradnju
- purenit izolacijska ploča
- paro- i vodonepropusna folija (parna brana)
- termoizolacija
- estrih
- fleksibilno građevinsko ljepilo
- unutarnja završna obrada(kamen;keramika)
- outside finishing
- flexible construction adhesive
- polymer-cement weather protection
- screed
- vapor permeable and water impermeable (hydro insulation)
- thermal insulation
- pvc profile for instalation
- purenit-insulation board
- vapor and water impermeable foil (vapor barrier)
- thermal insulation
- screed
- flexible construction adhesive
- internal finishing(stone;ceramic)



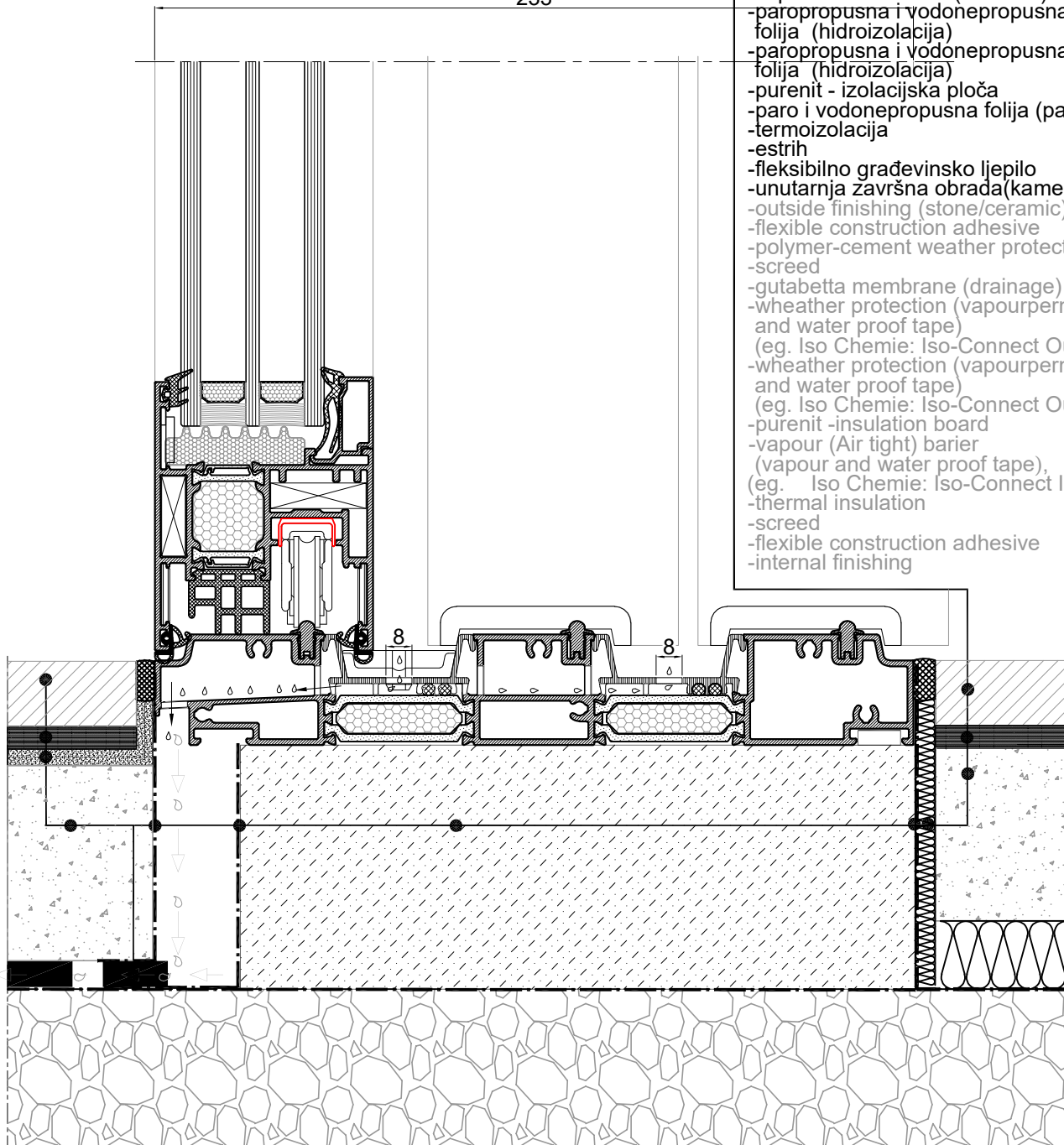


- vanjska završna obrada
- vanjska toplinska izolacija
- paropropusna i vodonepropusna folija (hidroizolacija)
- toplinska izolacija
- paro- i vodonepropusna folija (parna brana)
- unutarnja završna obrada
- outside finishing
- outside thermal insulation
- vapor permeable and water impermeable (hydro insulation)
- thermal insulation
- vapor and water impermeable foil (vapor barrier)
- internal finishing

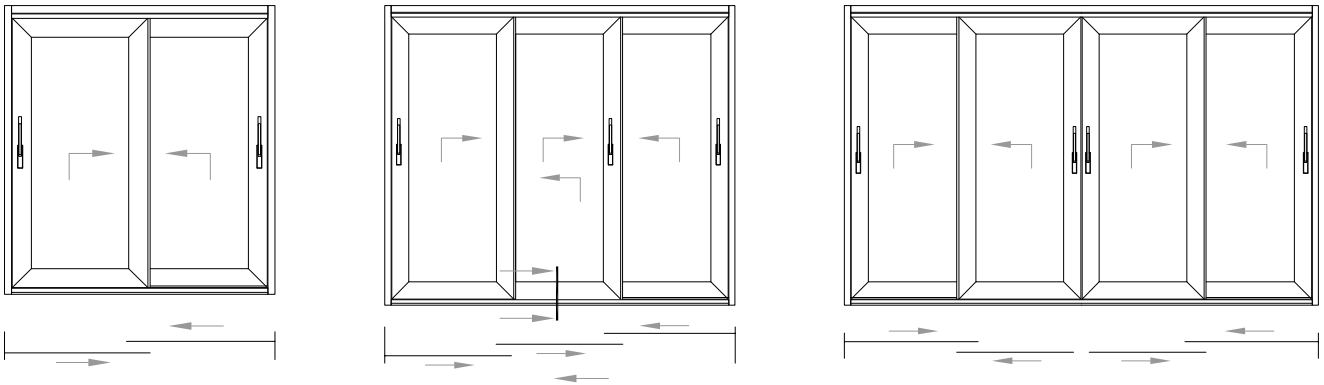




233



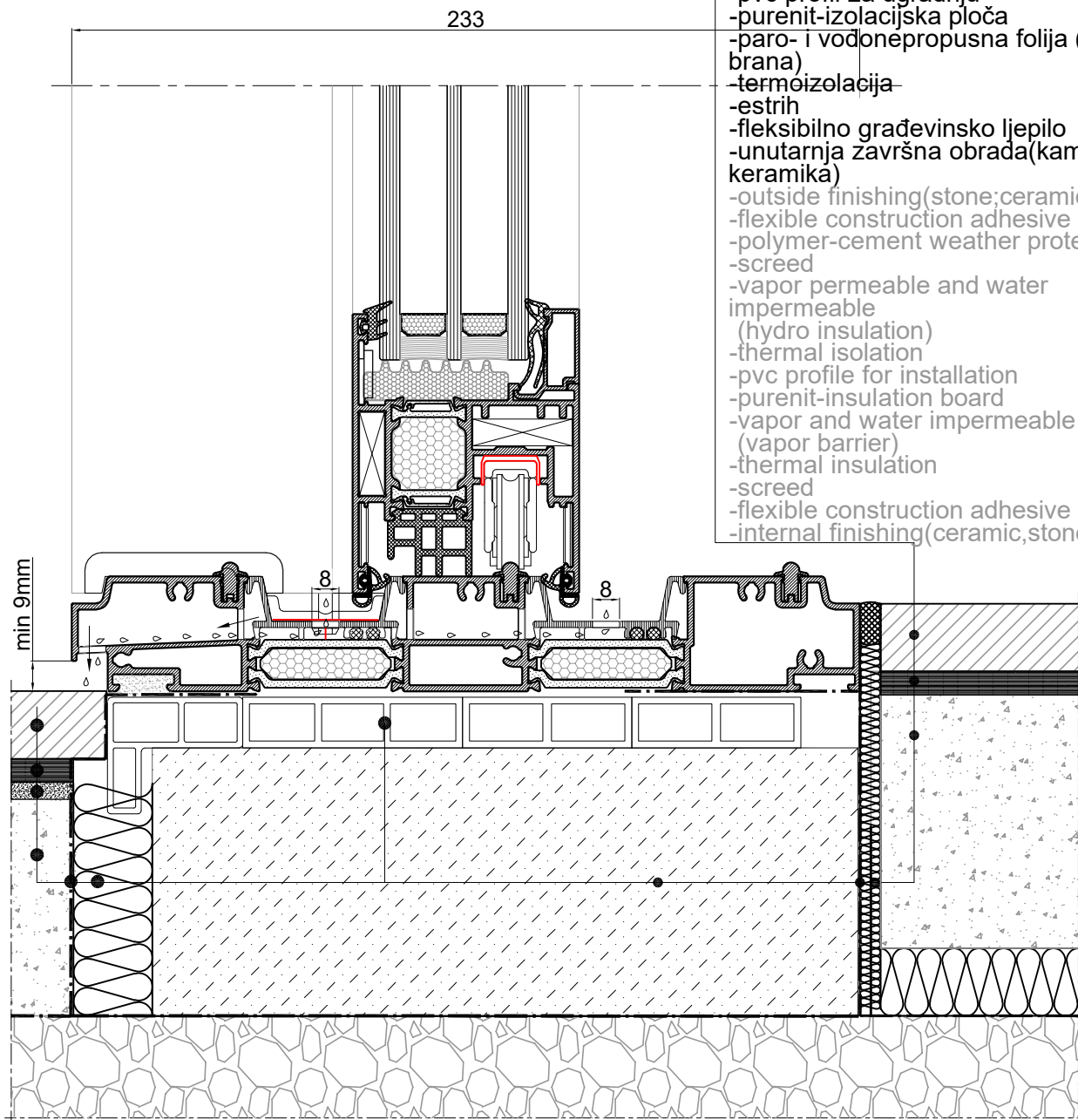
- vanjski završni izgled (keramika / kamen)
- fleksibilno građevinsko ljepilo
- polimer-cementna hidroizolacija
- estrih
- čepasta membrana (drenaža)
- paropropusna i vodonepropusna folija (hidroizolacija)
- paropropusna i vodonepropusna folija (hidroizolacija)
- purenit - izolacijska ploča
- paro i vodonepropusna folija (parna brana)
- termoizolacija
- estrih
- fleksibilno građevinsko ljepilo
- unutarnja završna obrada(kamen/keramika)
- outside finishing (stone/ceramic)
- flexible construction adhesive
- polymer-cement weather protection
- screed
- gutabetta membrane (drainage)
- weather protection (vapourpermable and water proof tape)  
(eg. Iso Chemie: Iso-Connect Outside CX)
- weather protection (vapourpermable and water proof tape)  
(eg. Iso Chemie: Iso-Connect Outside CX)
- purenit -insulation board
- vapour (Air tight) barrier  
(vapour and water proof tape),  
(eg. Iso Chemie: Iso-Connect Inside CX)
- thermal insulation
- screed
- flexible construction adhesive
- internal finishing

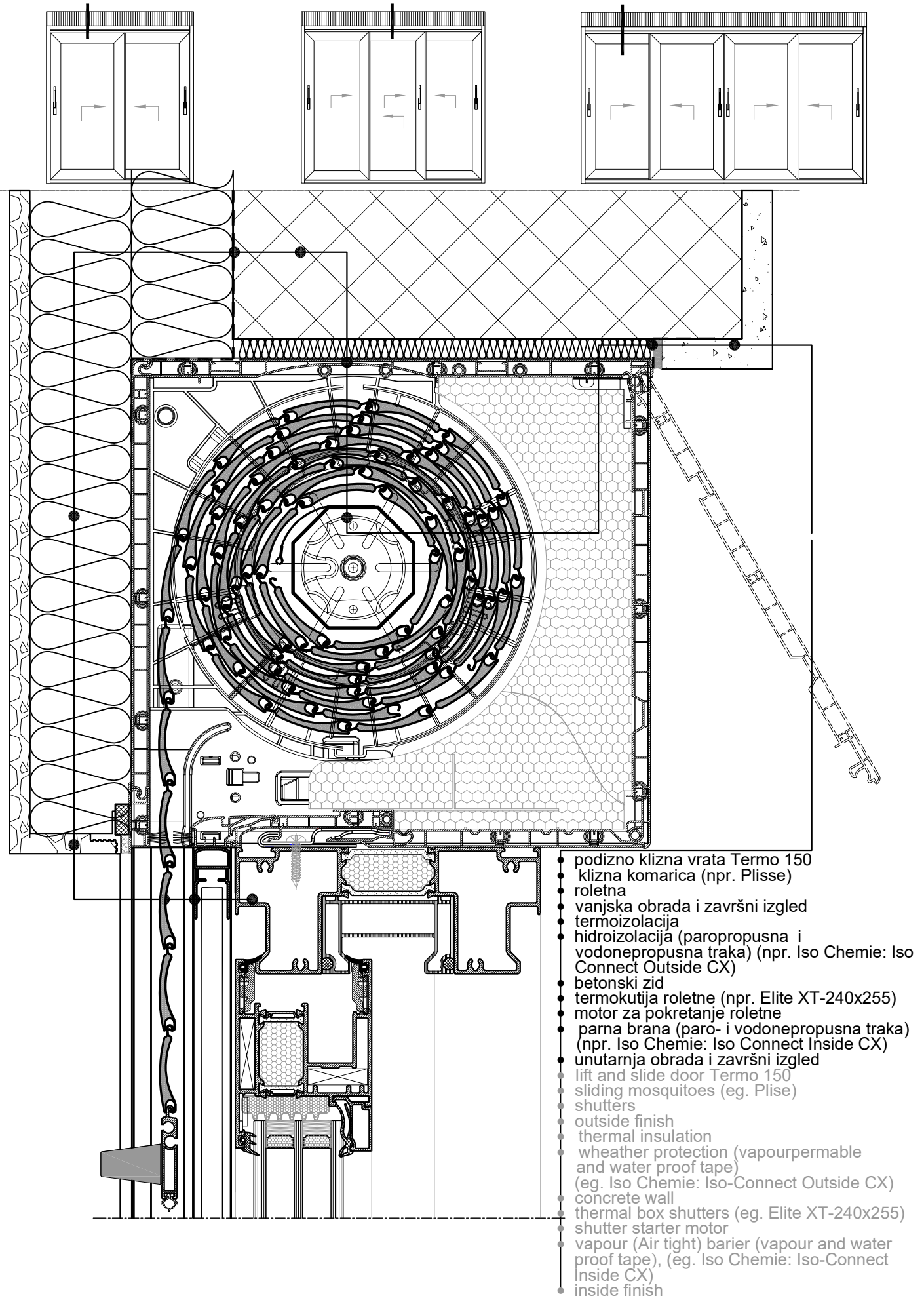


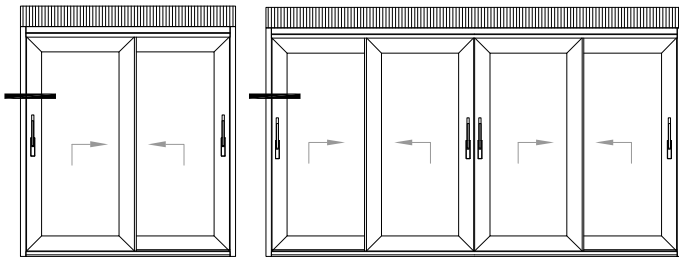
**NAPOMENA:**

Ovakav način montaže primjenjiv je za pozicije koje nisu izložene direktnom udaru vjetrova i vode  
This mounting method is applicable for positions that are not exposed to direct impact of wind and water

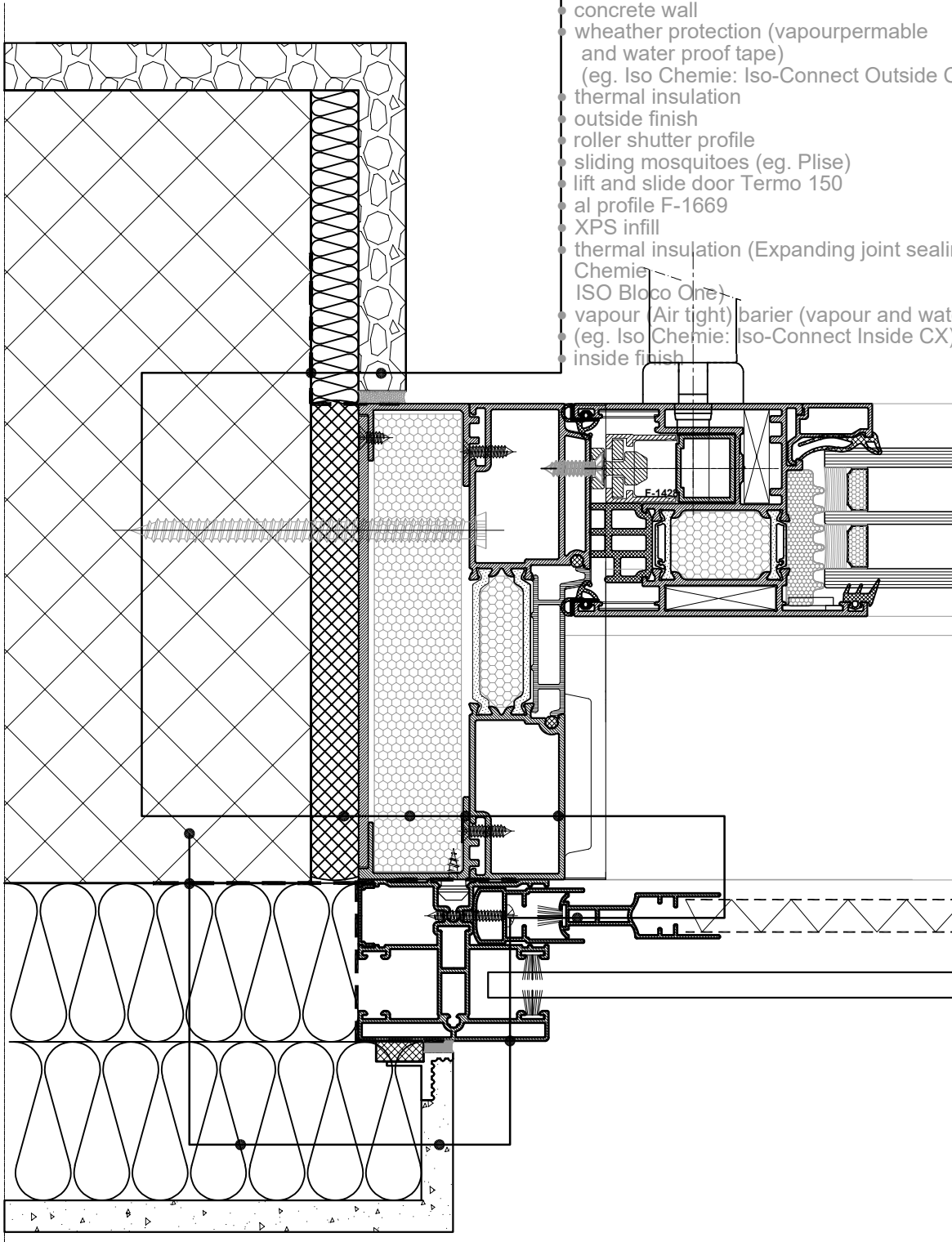
- vanjska završna obrada(kamen,keramika)
- fleksibilno građevinsko ljepilo
- polimer-cementa hidroizolacija
- estrih
- paropropusna i vodonepropusna folija
- toplinska izolacija
- pvc profil za ugradnju
- purenit-izolacijska ploča
- paro- i vodonepropusna folija (parna brana)
- termoizolacija-
- estrih
- fleksibilno građevinsko ljepilo
- unutarnja završna obrada(kamen, keramika)
- outside finishing(stone;ceramic)
- flexible construction adhesive
- polymer-cement weather protection
- screed
- vapor permeable and water impermeable (hydro insulation)
- thermal isolation
- pvc profile for installation
- purenit-insulation board
- vapor and water impermeable foil (vapor barrier)
- thermal insulation
- screed
- flexible construction adhesive
- internal finishing(ceramic,stone)





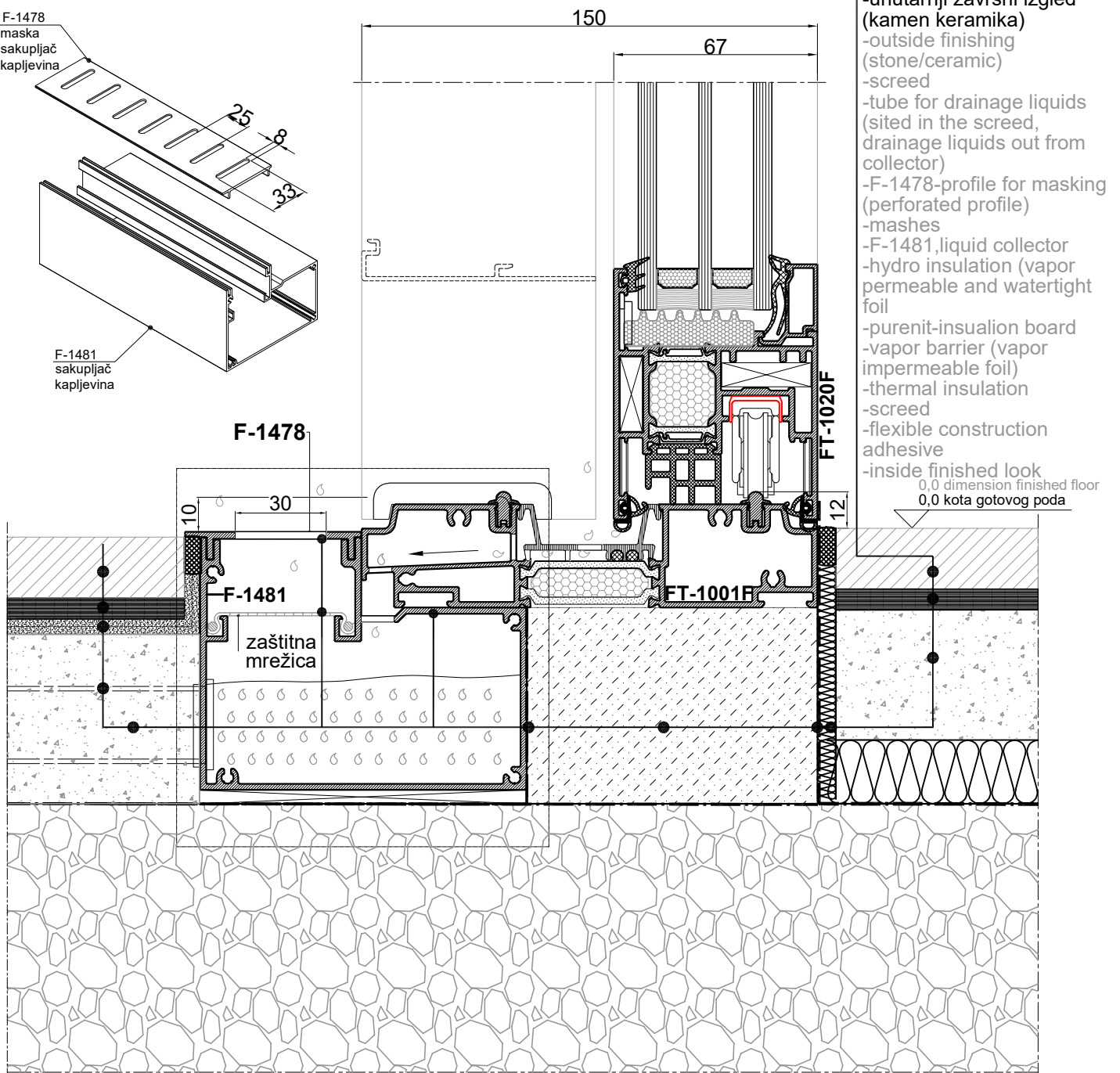
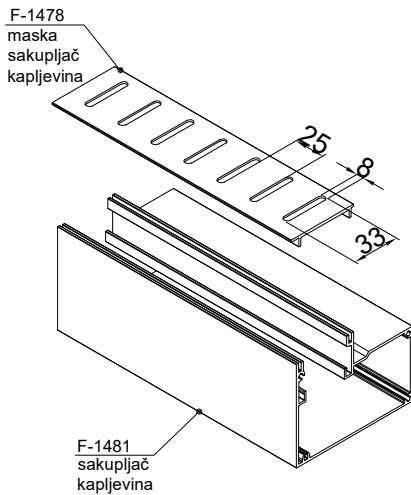
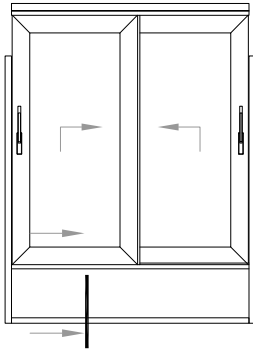


- betonski zid
- hidroizolacija (paropropusna i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Outside CX)
- termoizolacija
- vanjska obrada i završni izgled
- vodilica roletne
- klizna komarica (npr. Plisse)
- podizno klizna vrata Termo 150
- al profil F-1669
- XPS ispuna
- termoizolacija (exp.spužvica: Iso Chemie: ISO Bloco One)
- parna brana (paro- i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Inside CX)
- unutarnja obrada i završni izgled
- concrete wall
- weather protection (vapourpermeable and water proof tape) (eg. Iso Chemie: Iso-Connect Outside CX)
- thermal insulation
- outside finish
- roller shutter profile
- sliding mosquitoes (eg. Plise)
- lift and slide door Termo 150
- al profile F-1669
- XPS infill
- 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



### NISKI PRAG SA KONTROLIRANOM ODVODNOM KAPLJEVINA LOW THRESHOLD WITH CONTROLLED DRAINAGE OF LIQUID

- visina praga u odnosu na kotu gotovog poda **10 mm**
- threshold height in relation to linear dimension of finished floor up to **10mm**



- vanjski završni izgled (kamen, keramika)
- cijev za odvod kapljevina (položena u estrihu, izvodi kapljevine vani iz sakupljača kapljevina)
- estrih
- F-1478-profil za maskiranje (perforirani profil)
- mreža
- F-1481, sakupljač kapljevina
- hidroizolacija (paropropusna i vodonepropusna folija)
- purenit-izolacijska ploča
- paro i vodonepropusna folija (parna brana)
- termoizolacija
- estrih
- fleksibilno građevinsko ljepilo
- unutarnji završni izgled (kamen, keramika)
- outside finishing (stone/ceramic)
- screed
- tube for drainage liquids (sited in the screed, drainage liquids out from collector)
- F-1478-profile for masking (perforated profile)
- mashes
- F-1481, liquid collector
- hydro insulation (vapor permeable and watertight foil)
- purenit-insulation board
- vapor barrier (vapor impermeable foil)
- thermal insulation
- screed
- flexible construction adhesive
- inside finished look

Prikaz odvodnje vode sa dodatnim profilom za sakupljanje kapljevina za klizne sisteme (niske pragove do 10 mm):  
 1 - klizni sistemi (ugradnja sa visinom praga u odnosu na gotov pod do 10 mm)  
 2 - terasa

3 - cijev za odvod kapljevina iz kliznog sistema preko dodatnog profila za sakupljanje kroz estrih (preko terase) u svodnu cijev za oborinske vode  
 4 - svodne cijevi za oborinske vode

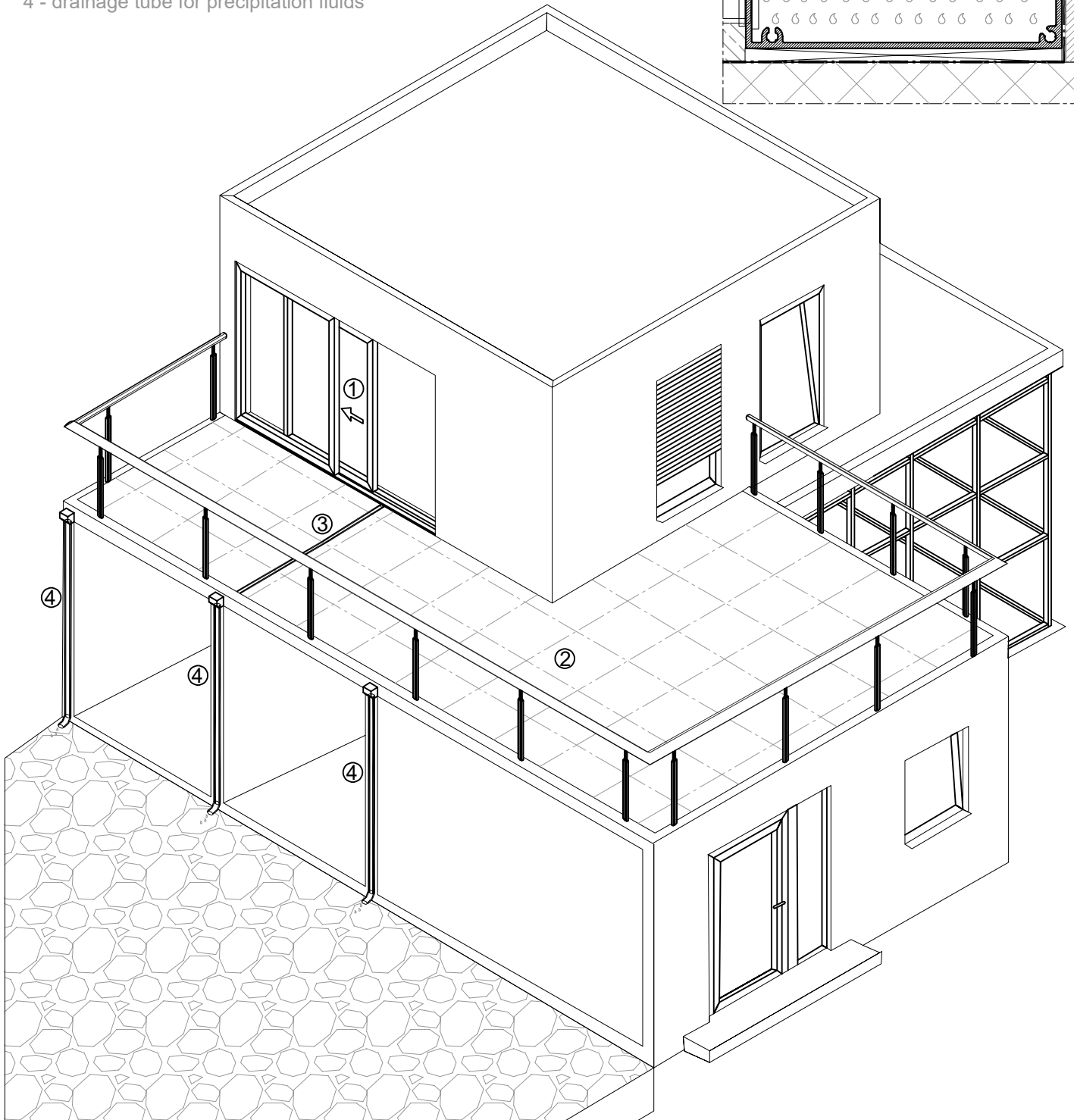
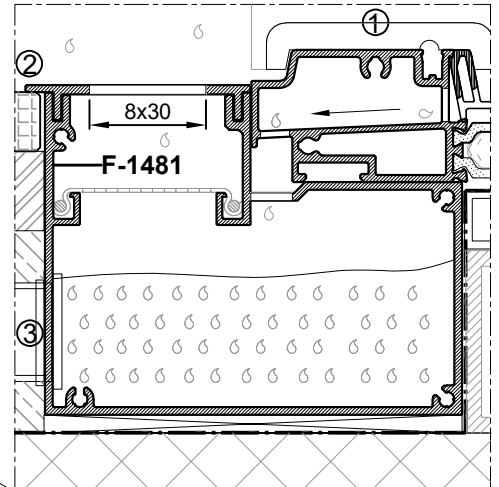
An overview of the drainage with additional profile for collecting liquid of sliding system (lower threshold up to 10mm):

1 - sliding system (installation with height threshold in relation to the finished floor up to 10 mm)

2 - terrace

3 - the drainage tube from sliding system over additional profile for collecting liquid through the screed (over terrace) in drainage tube for precipitation fluids

4 - drainage tube for precipitation fluids

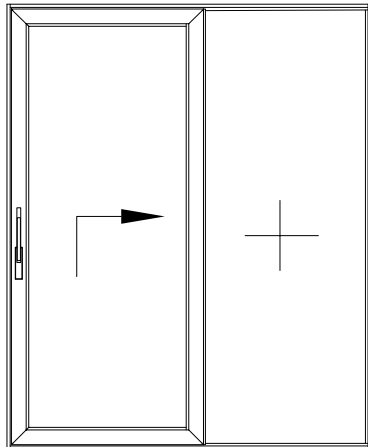




Presjeci (Termo 150 plus)  
Cross sections (Termo 150 plus)

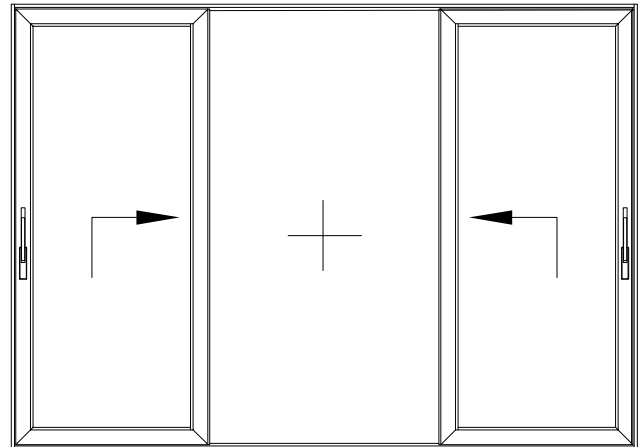
**Tipologija Typology**

Shema A  
Scheme A



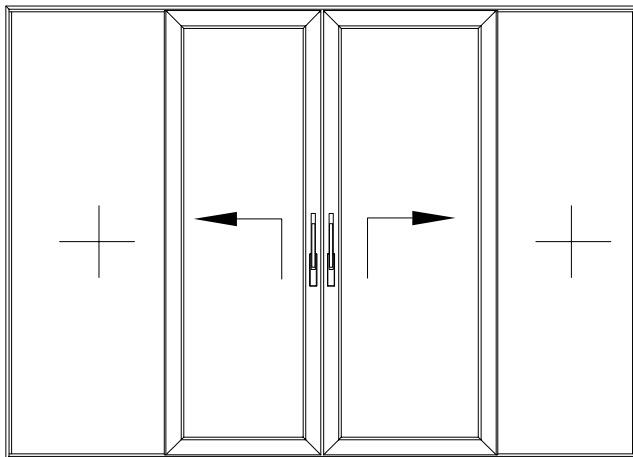
Podizno klizno+fiksno  
Lift & slide+ Single sash fixed

Shema D  
Scheme D



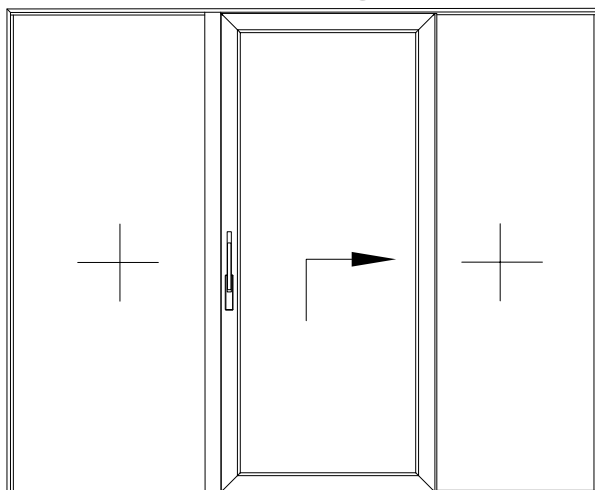
Dva podizno klizna+srednje fiksno  
Two sash Lift & Slide+central field fixed

Shema C  
Scheme C



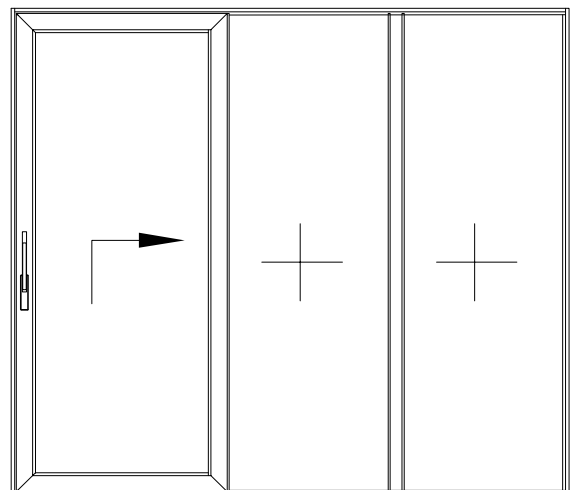
Dva krila podizno klizna (srednja) + dva fiksna (bočna)  
Two sash Lift & Slide (Central) + two side filed fixed

Shema G  
Scheme G

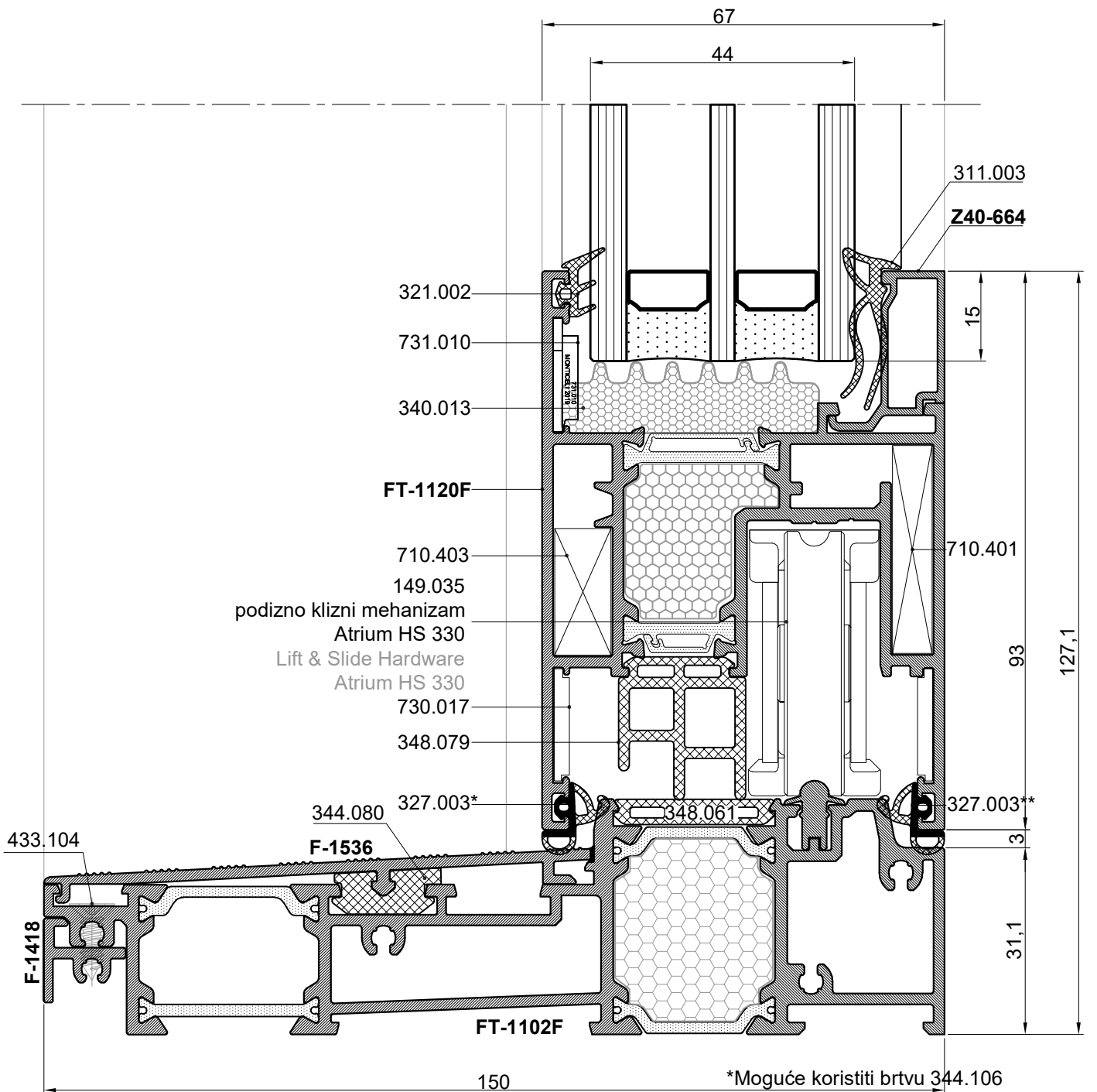
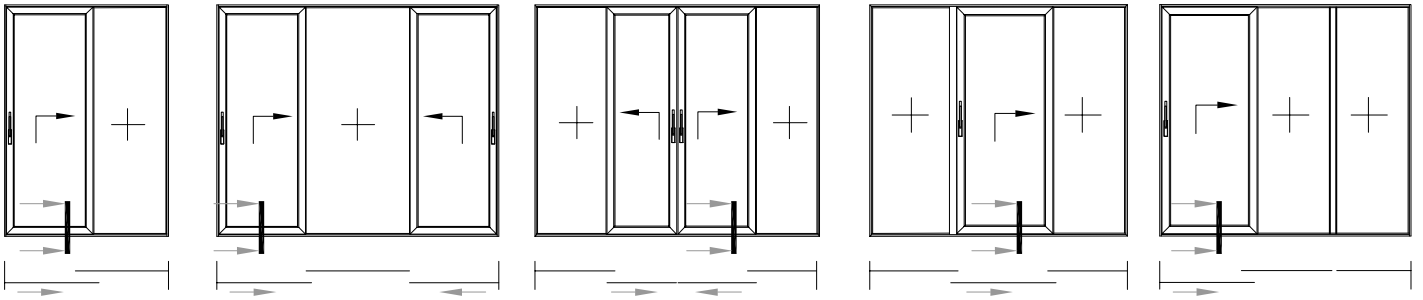


Srednje krilo podizno klizno + bokovi fiksni  
Central sash Lift & Slide + side filed fixed

Shema A  
Scheme A



Podizno klizno+duplo fiksno  
Lift & slide+ Double sash fixed

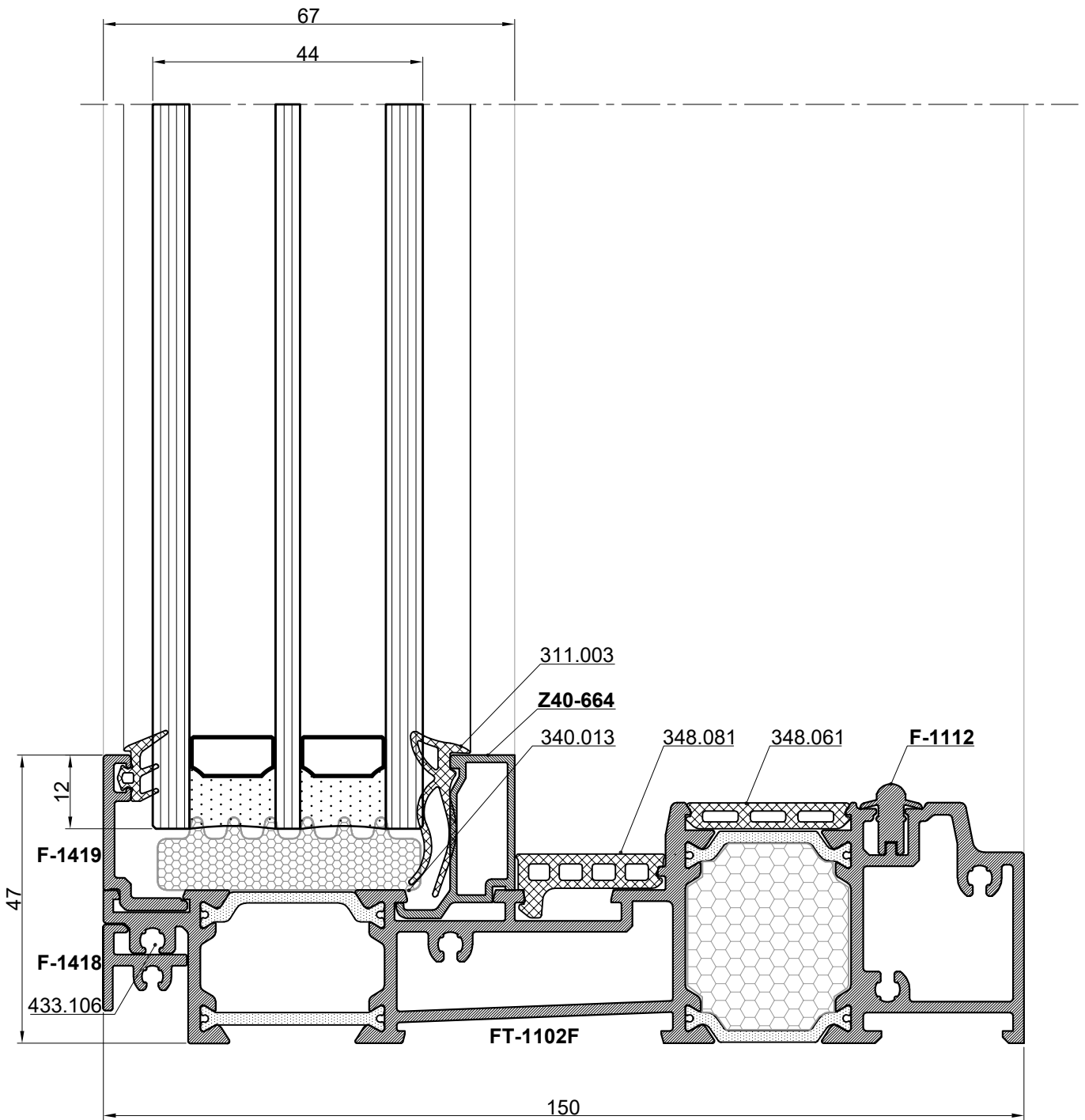
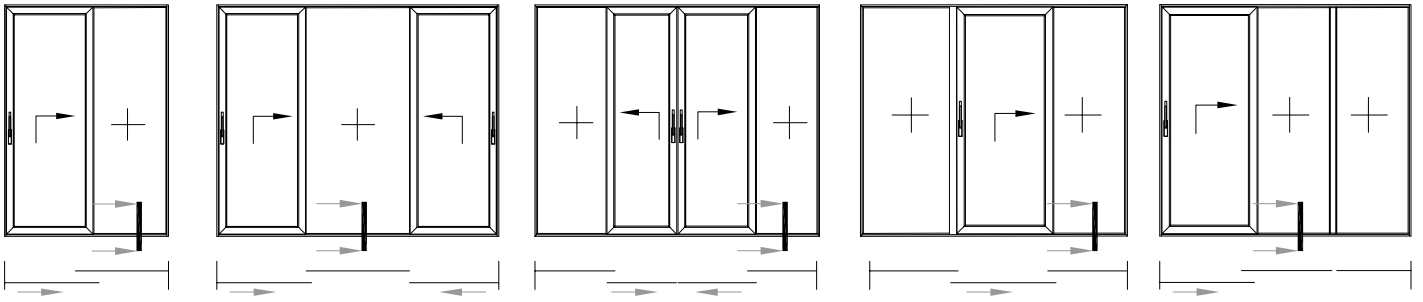


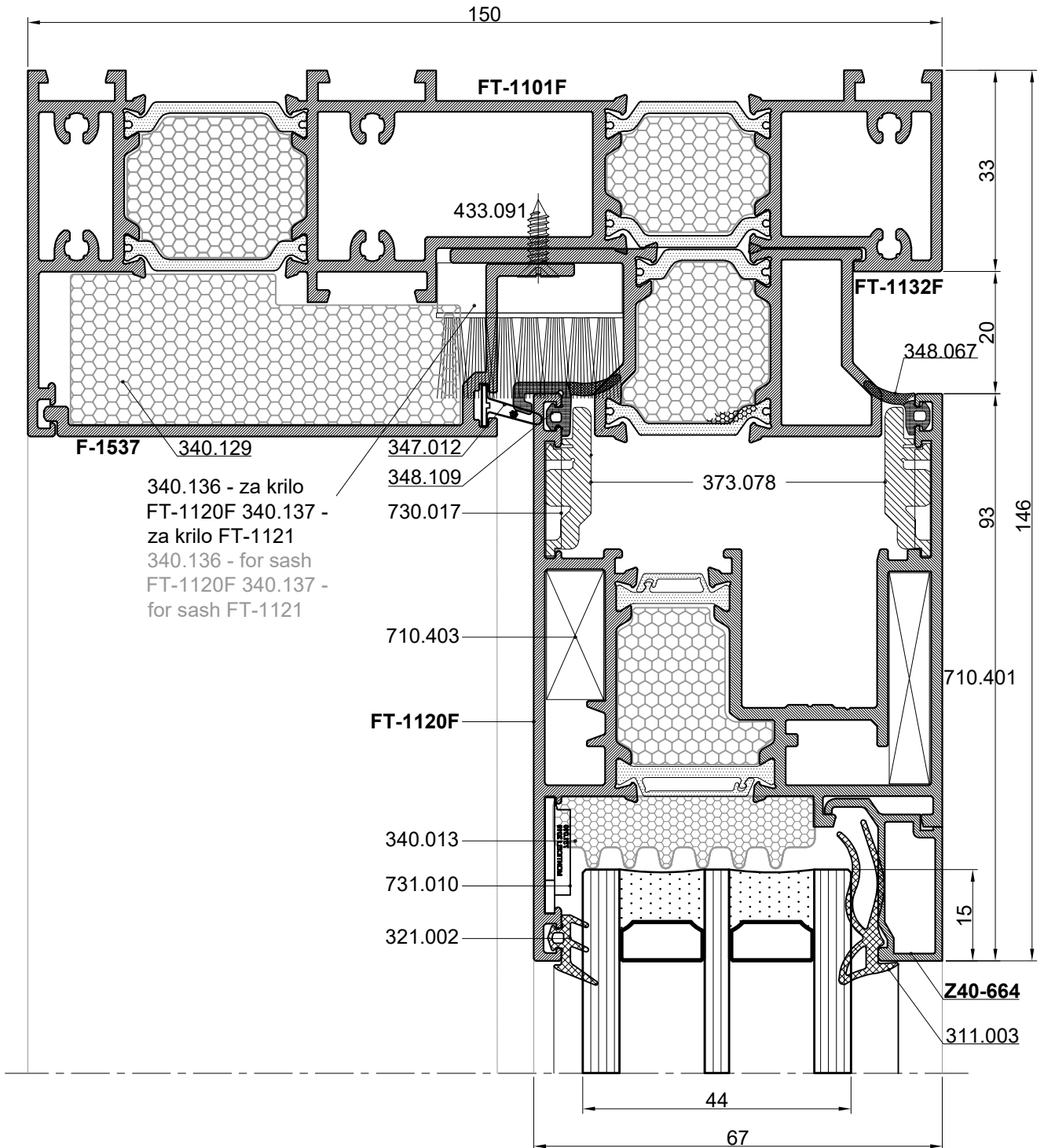
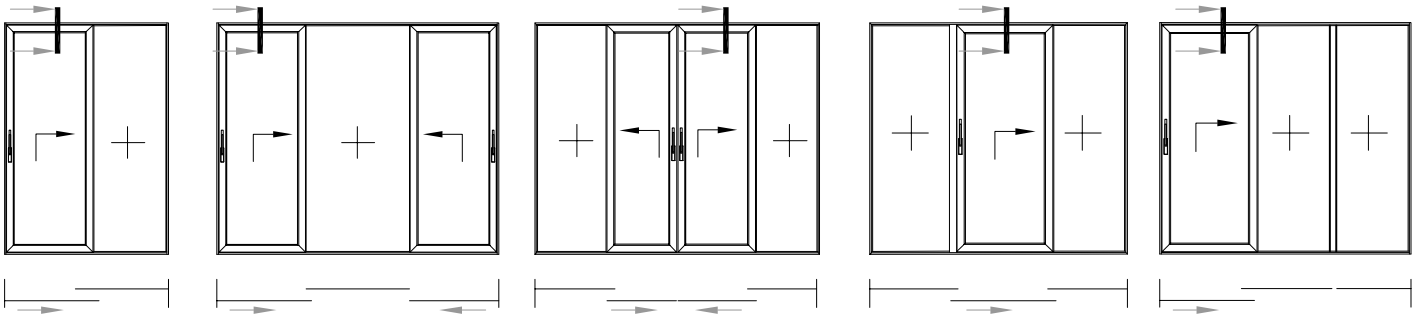
\*Moguće koristiti brtvu 344.106

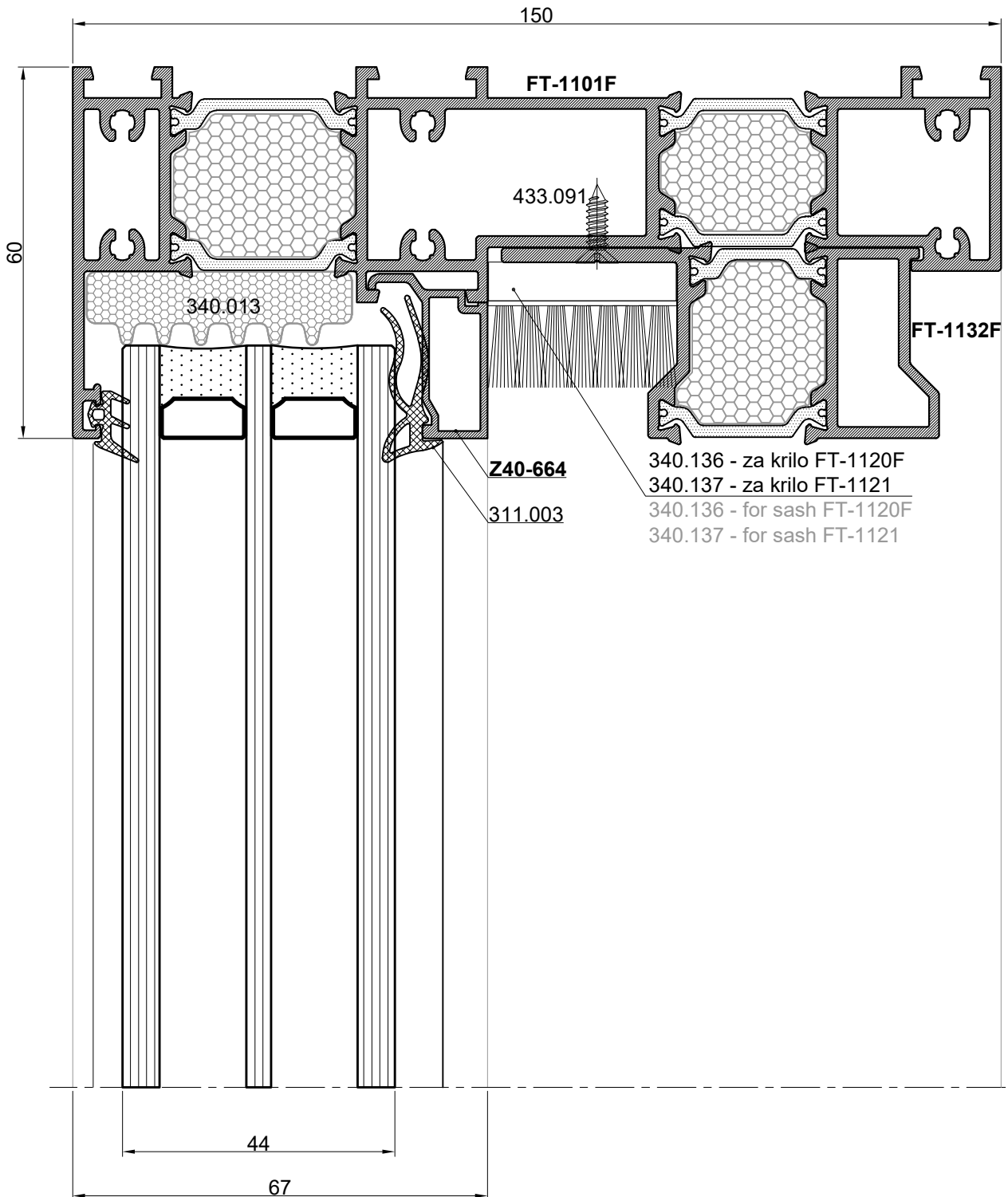
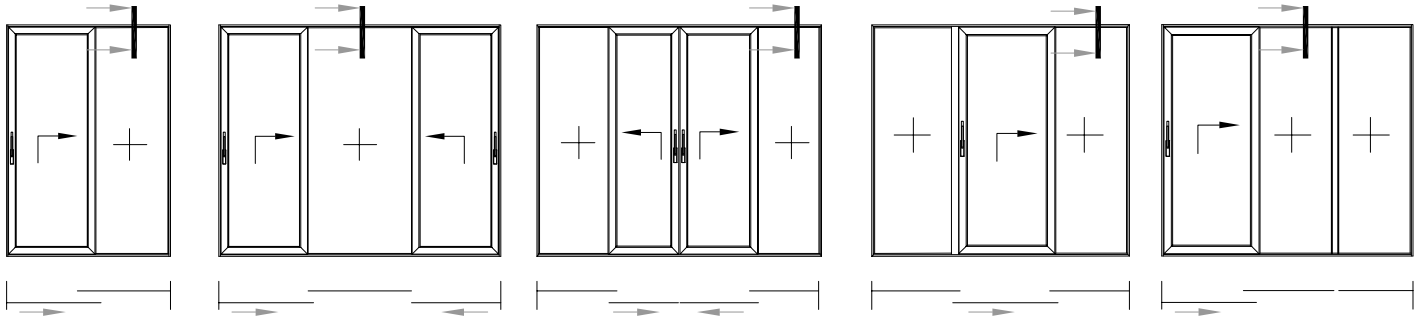
\*\*Moguće koristiti brtvu 344.108

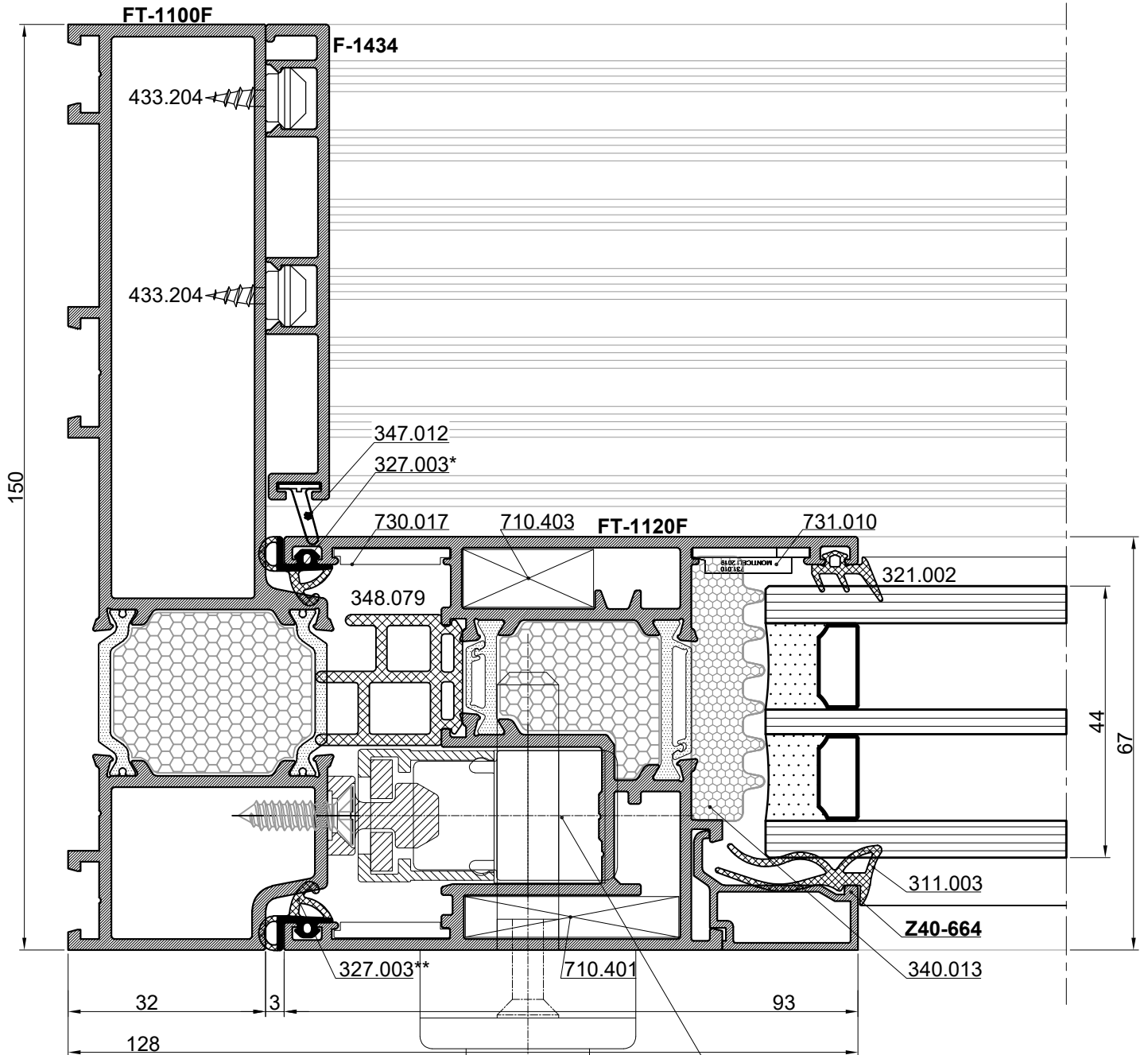
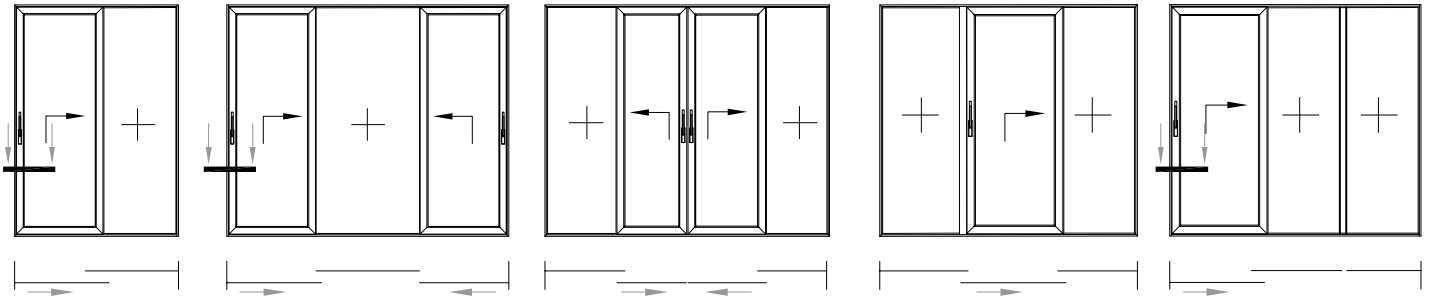
\*The possibility of using a gasket 344.106

\*\*The possibility of using a gasket 344.108









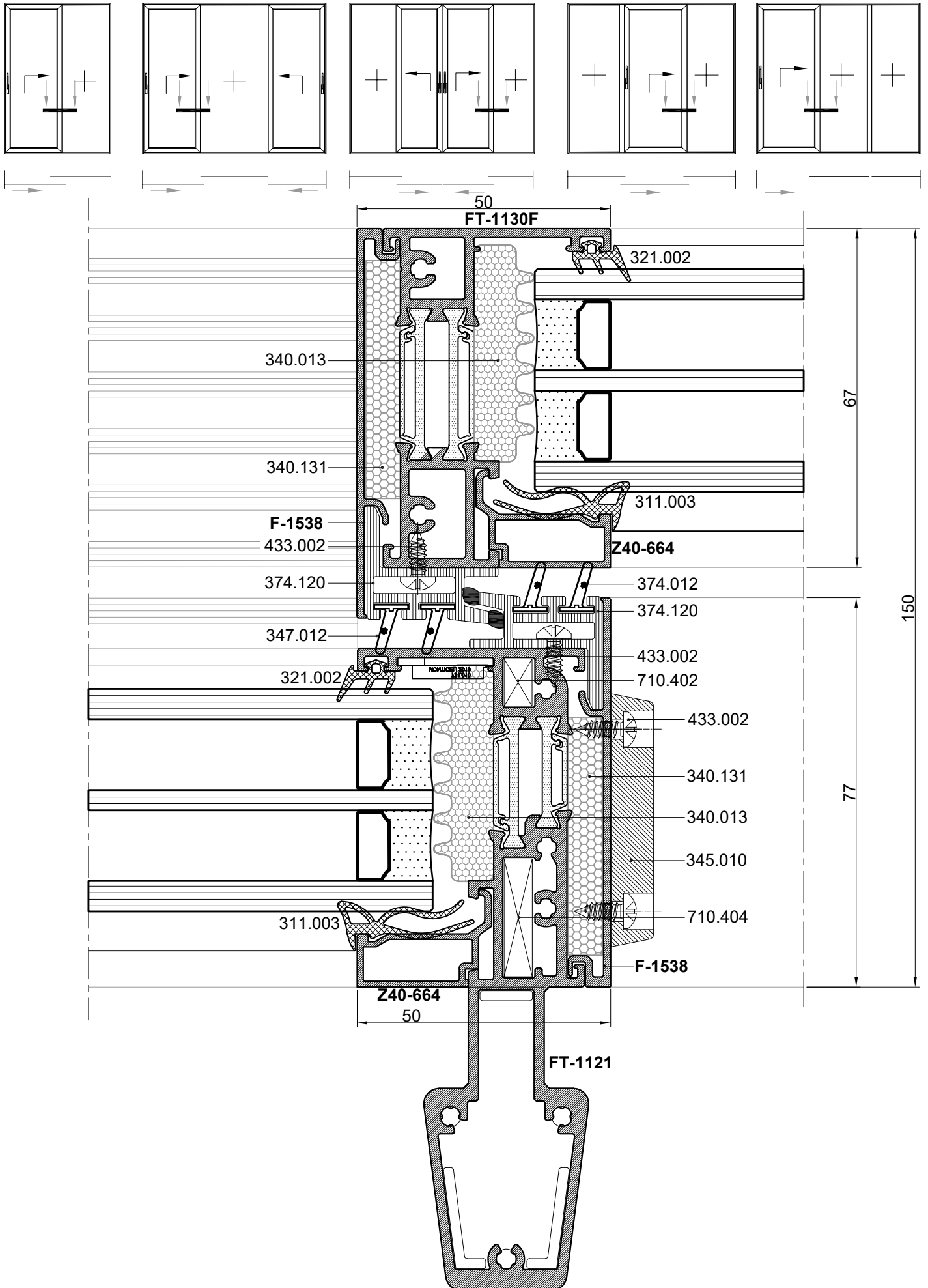
\*Moguće koristiti brtvu 344.106

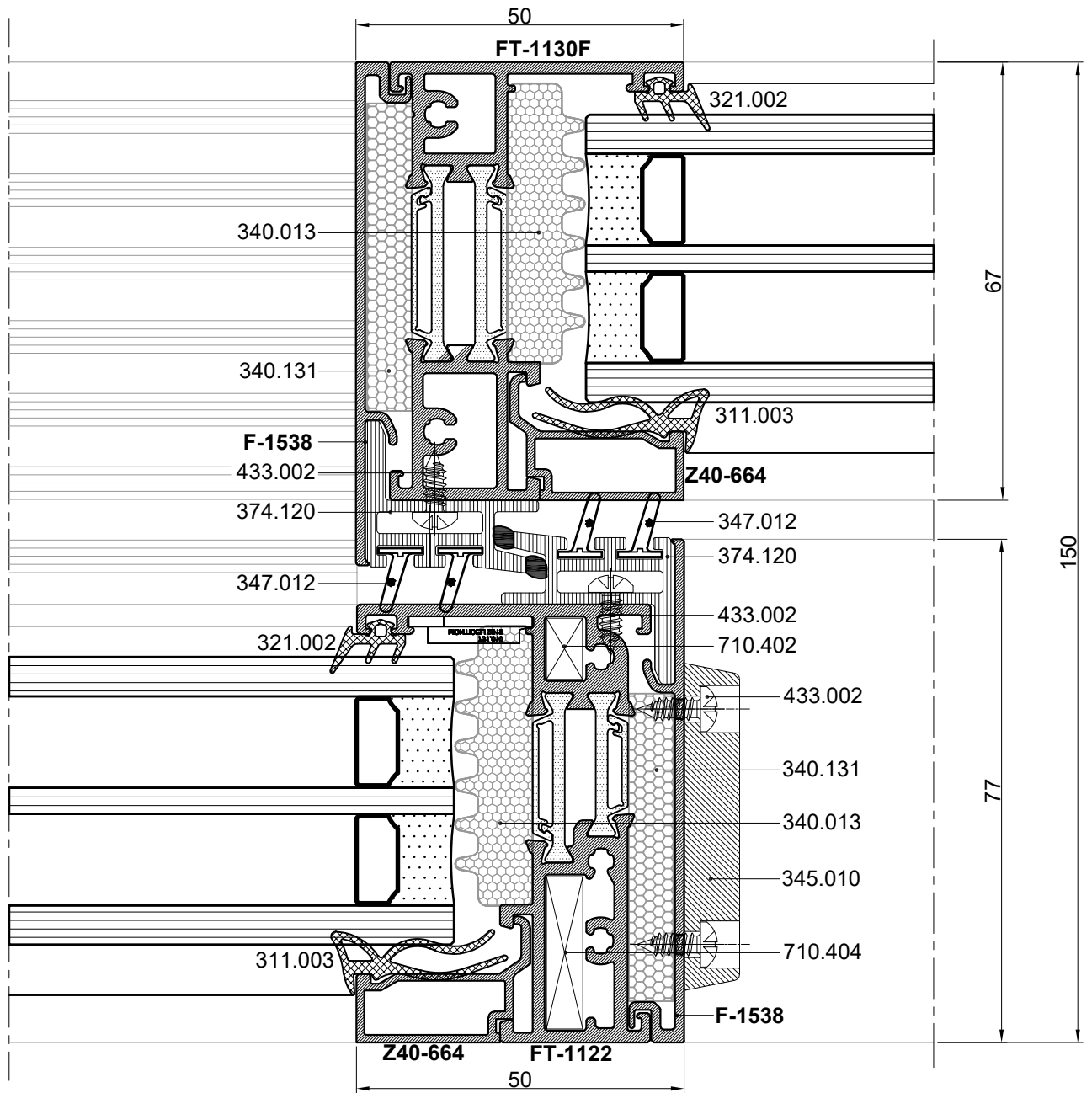
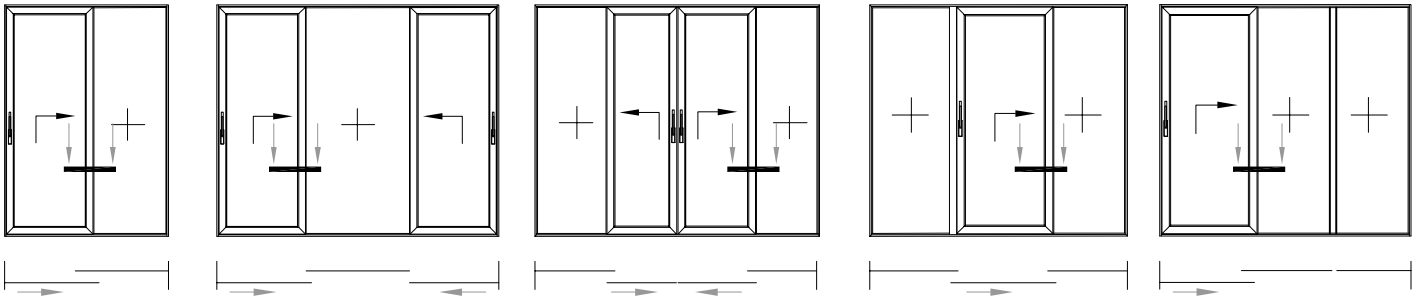
\*\*Moguće koristiti brtvu 344.108

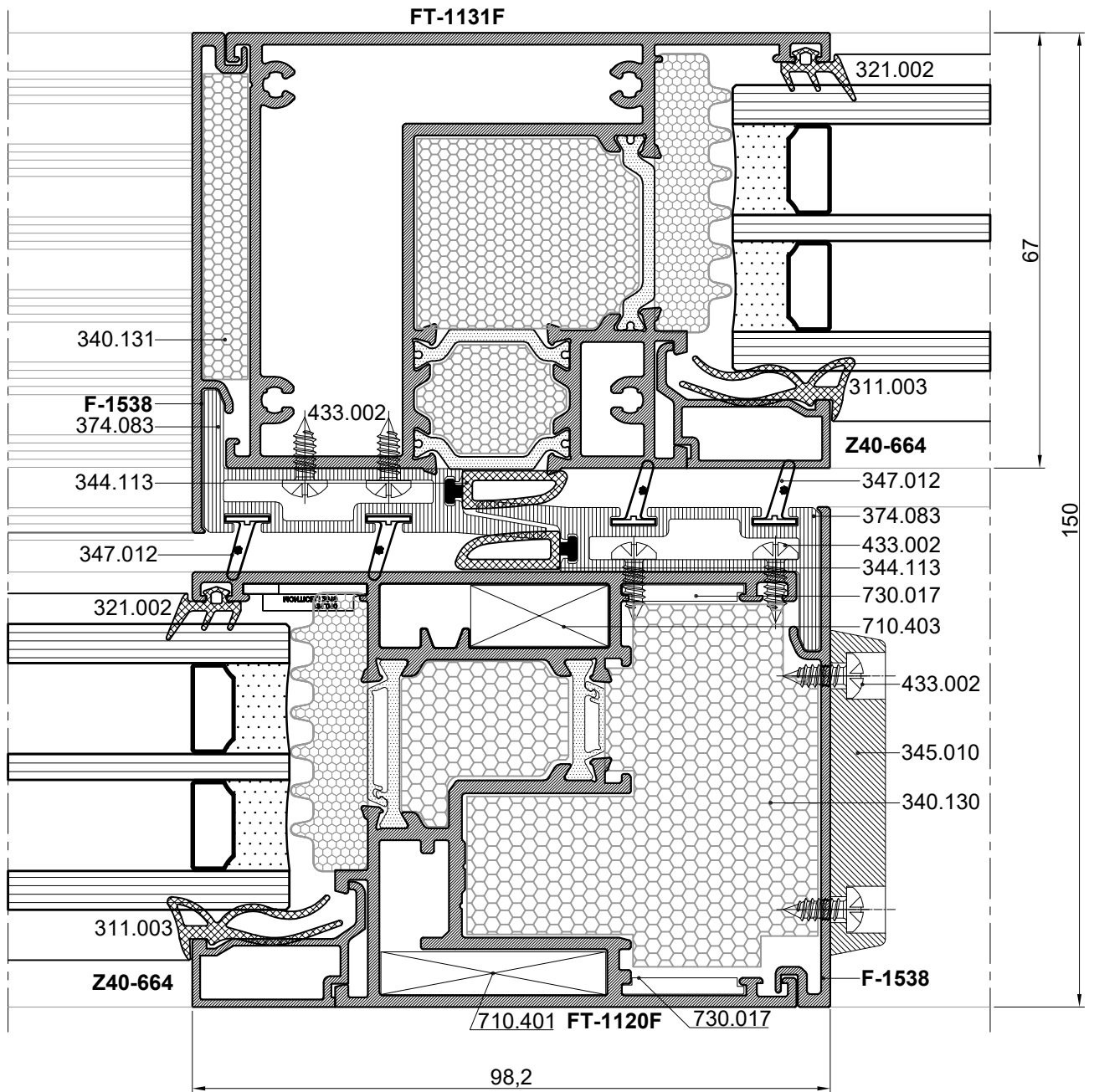
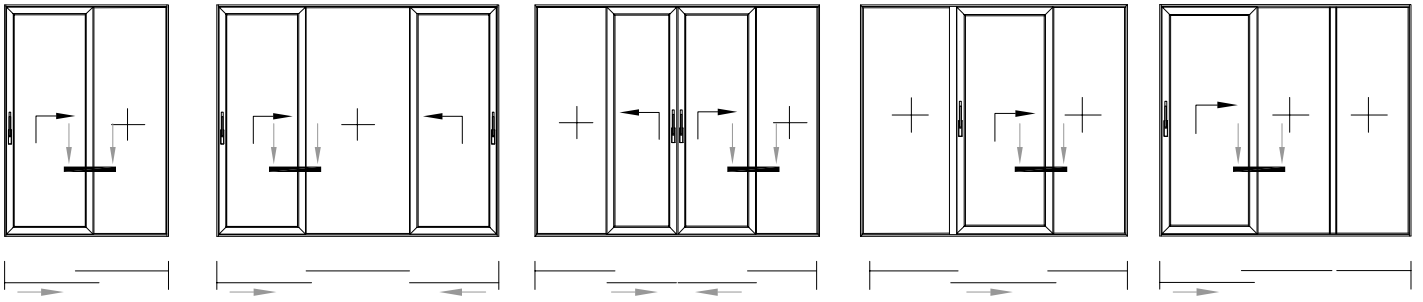
\*The possibility of using a gasket 344.106

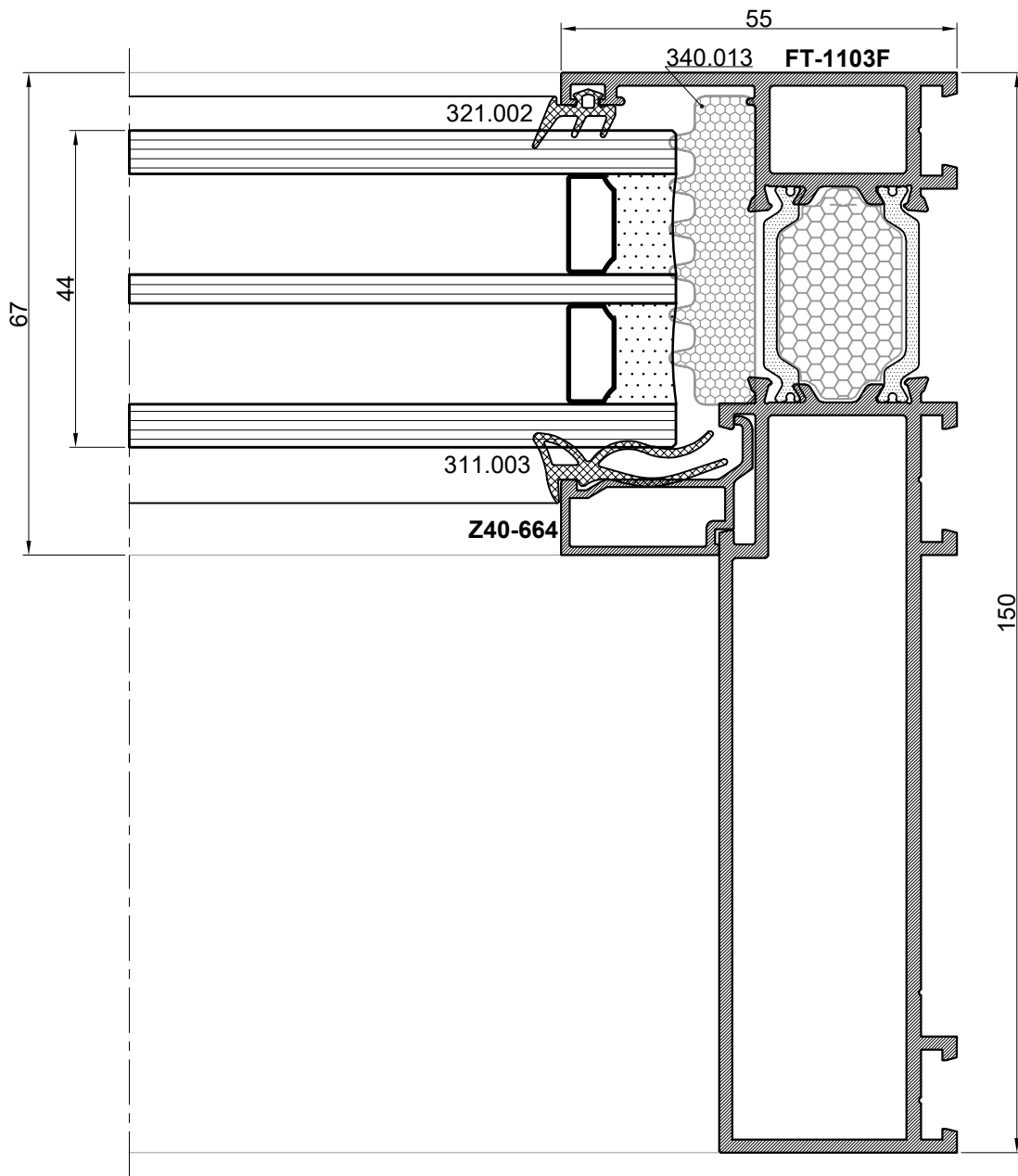
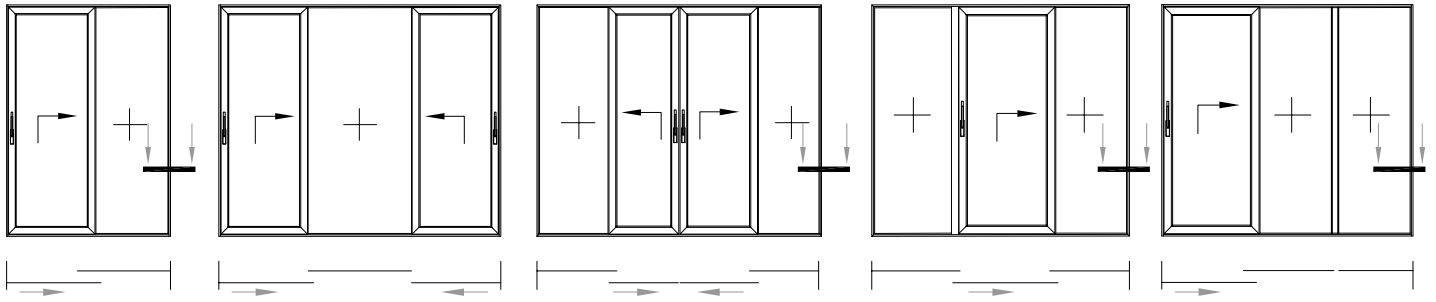
\*\*The possibility of using a gasket 344.108

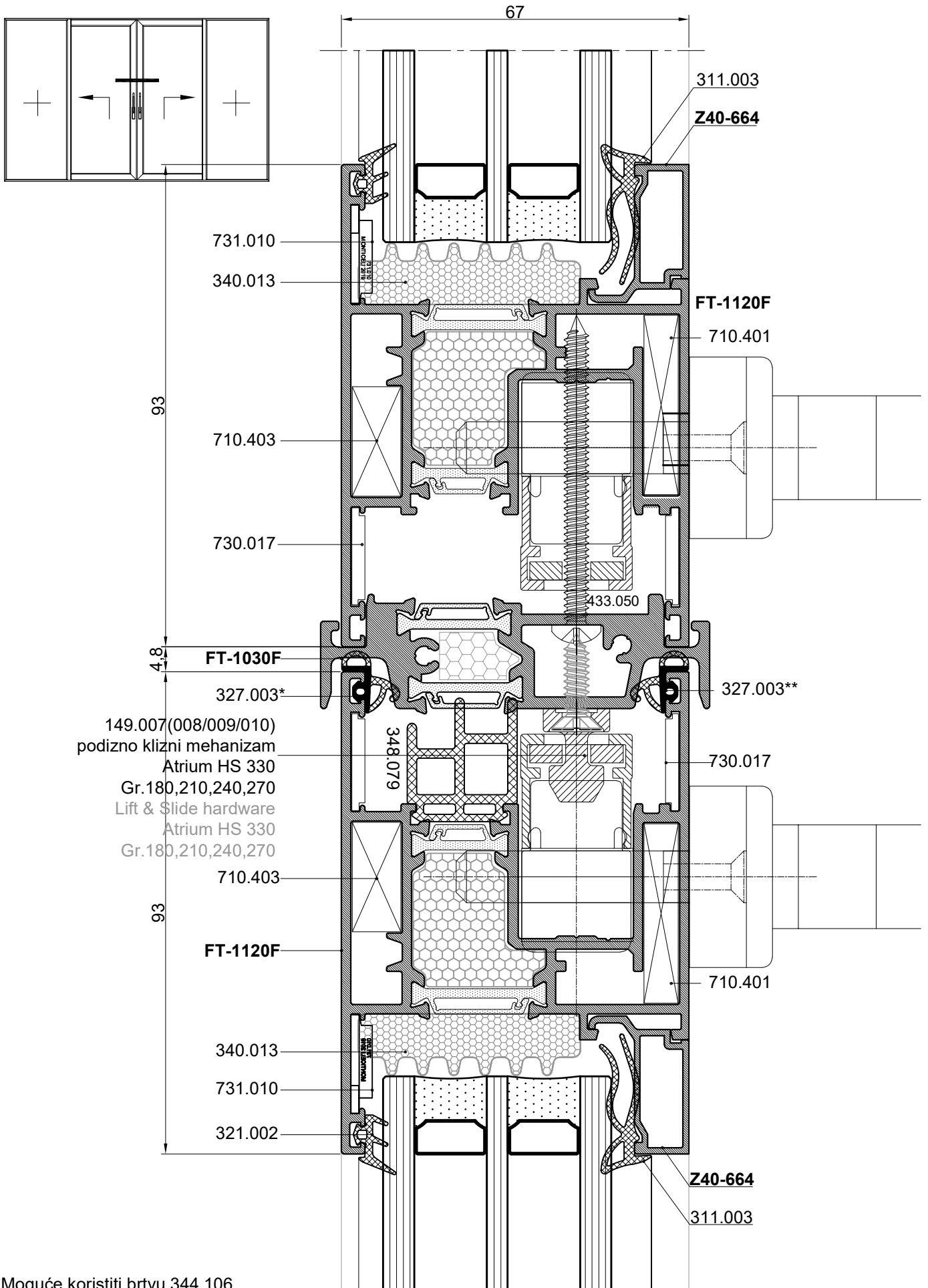
149.007(007/008/009)  
podizno klizni mehanizam  
Atrium HS 330  
Gr.180,210,240,270  
Lift & slide hardware  
Atrium HS 330  
Gr.180,210,240,270







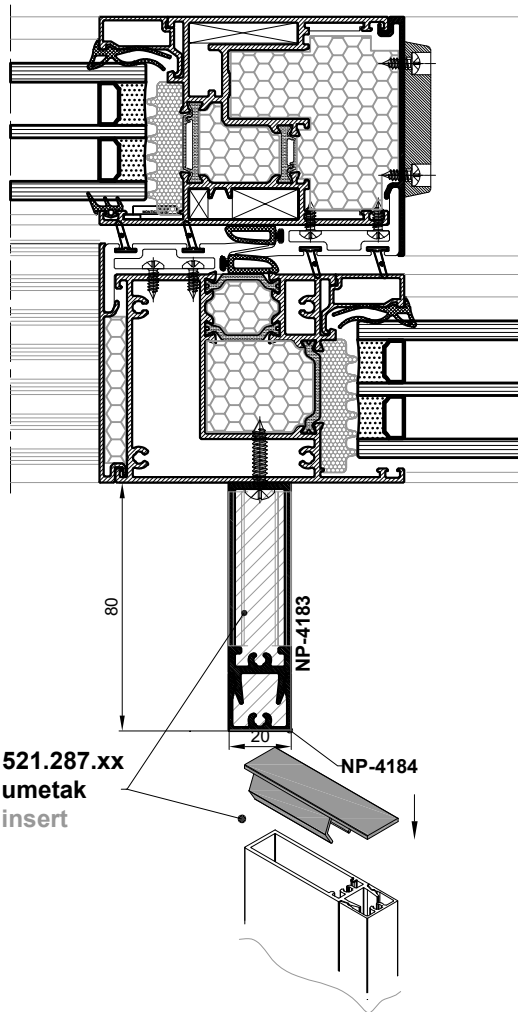




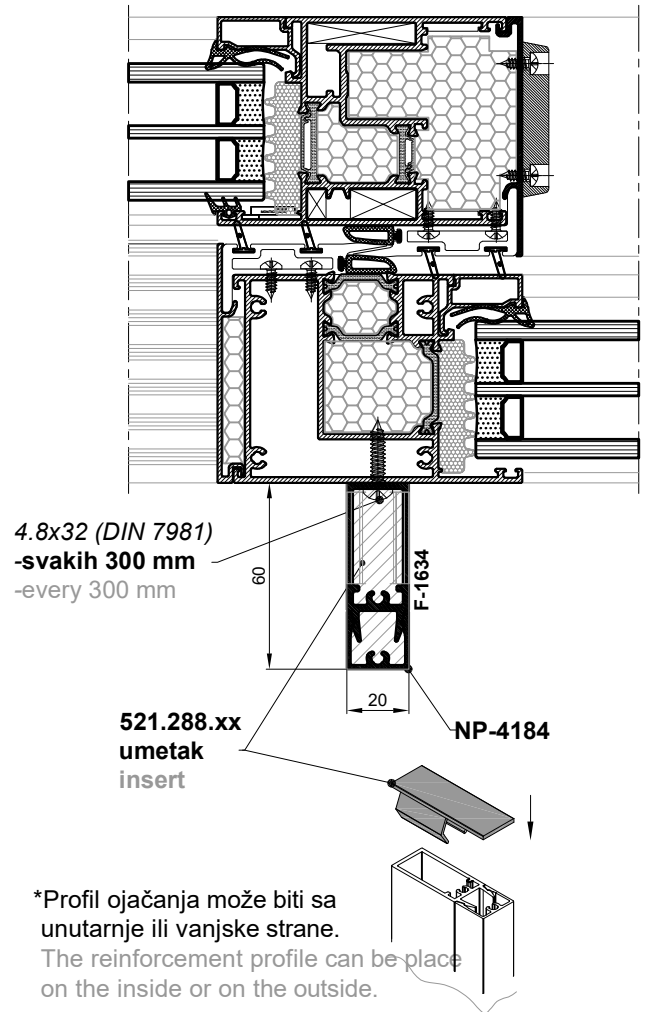
\*Moguće koristiti brtvu 344.106  
\*\*Moguće koristiti brtvu 344.108



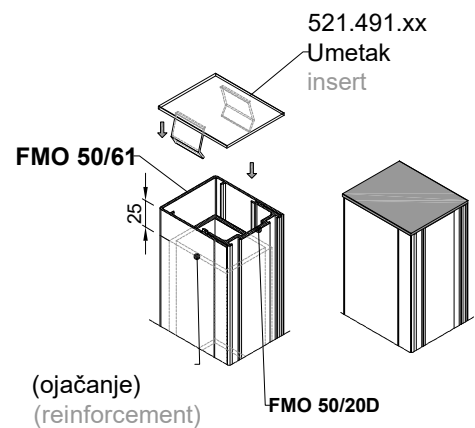
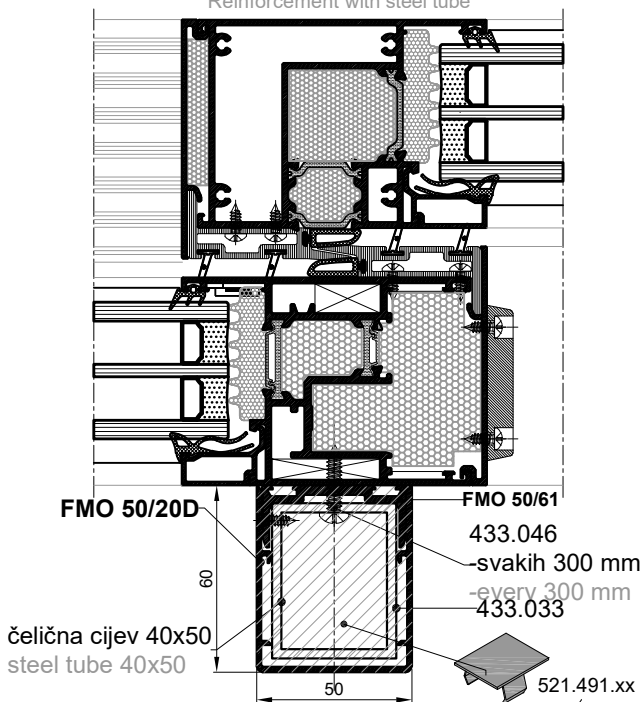
Ojačanje 80 mm  
Reinforcement 80 mm



Ojačanje 60 mm  
Reinforcement 60 mm

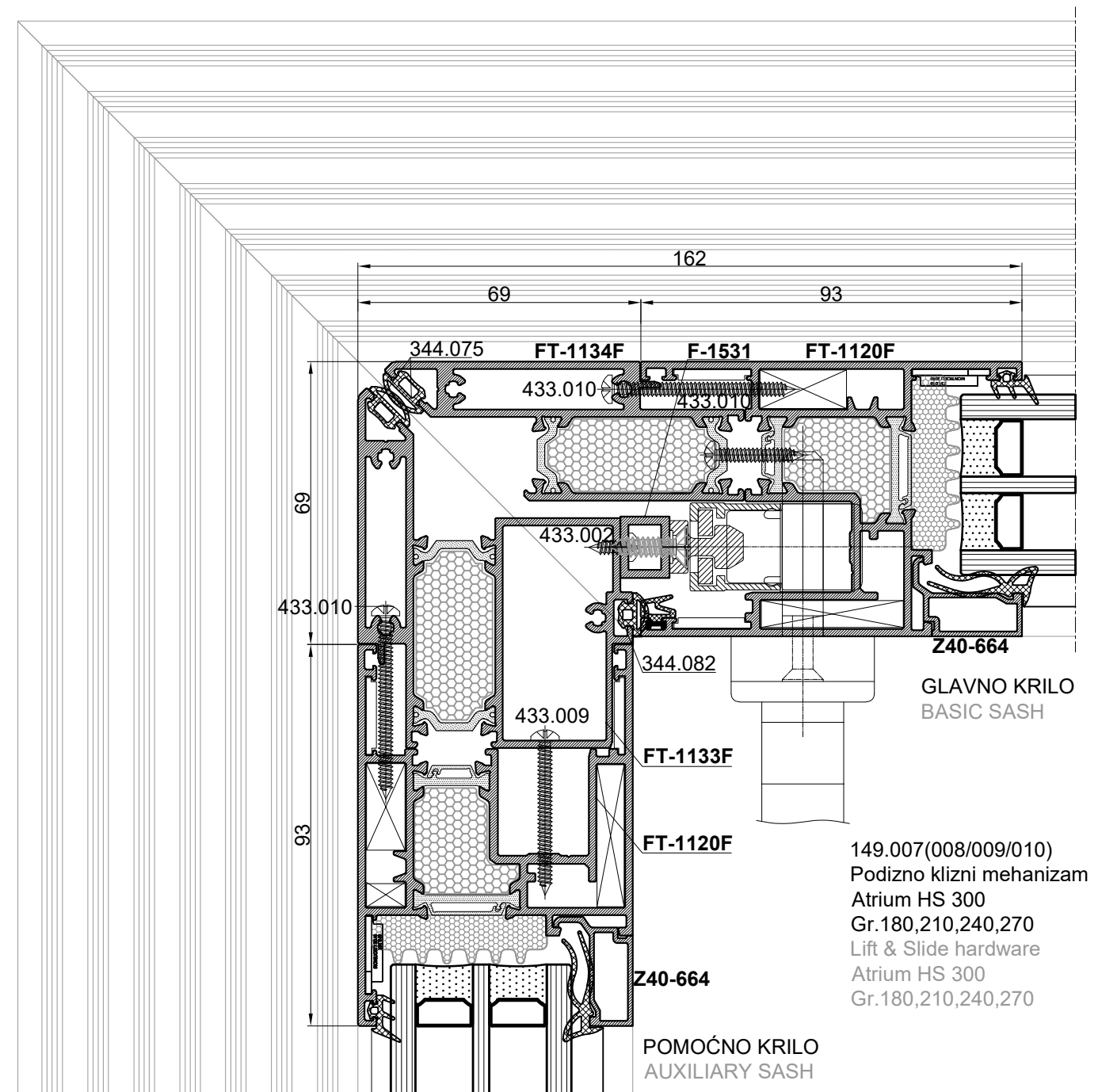
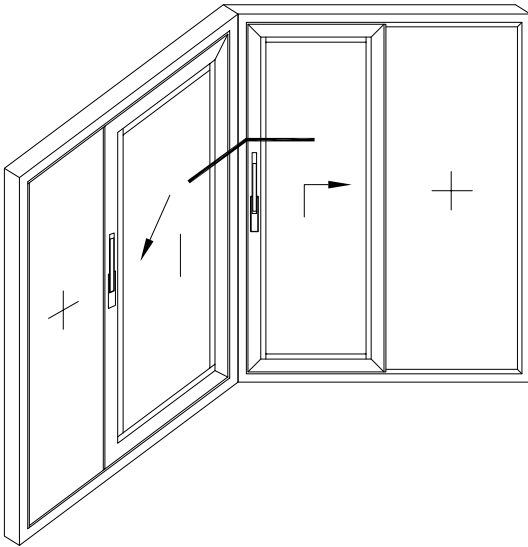


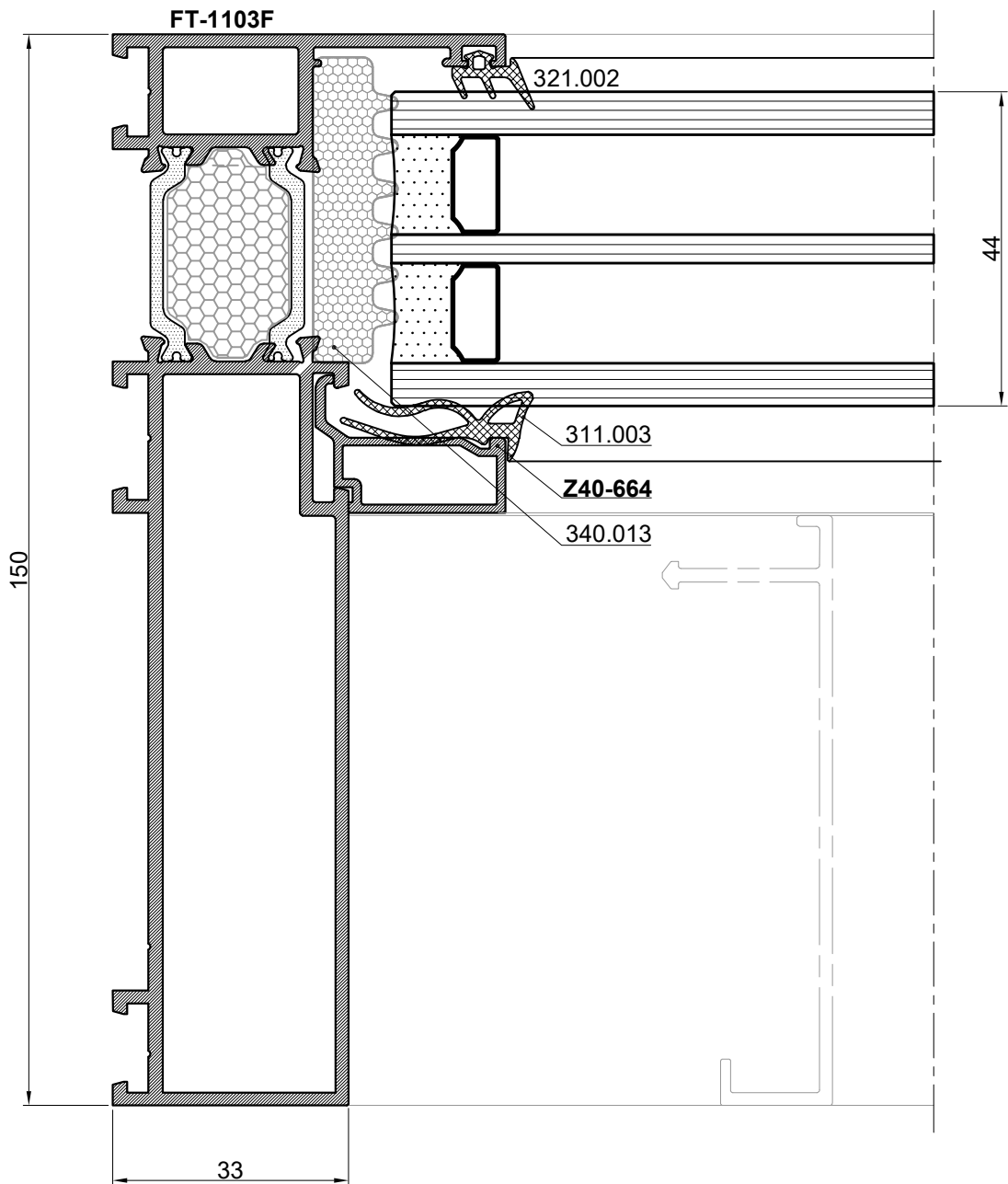
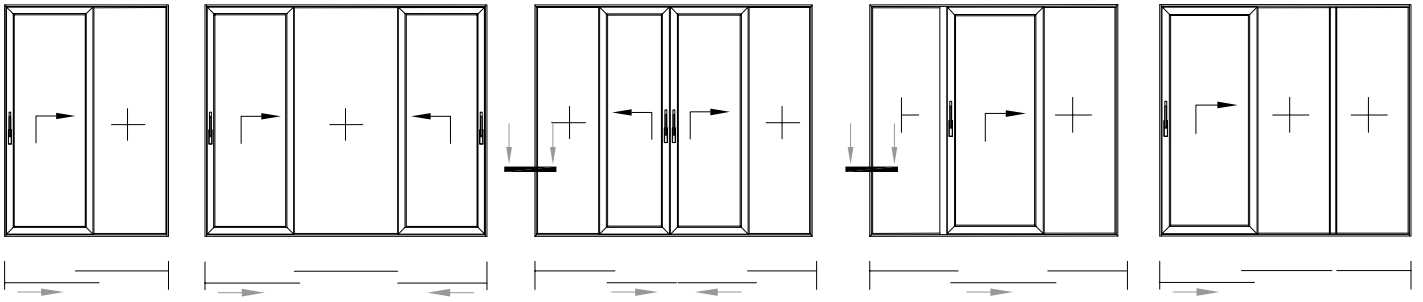
Ojačanje sa čeličnom cijevi  
Reinforcement with steel tube

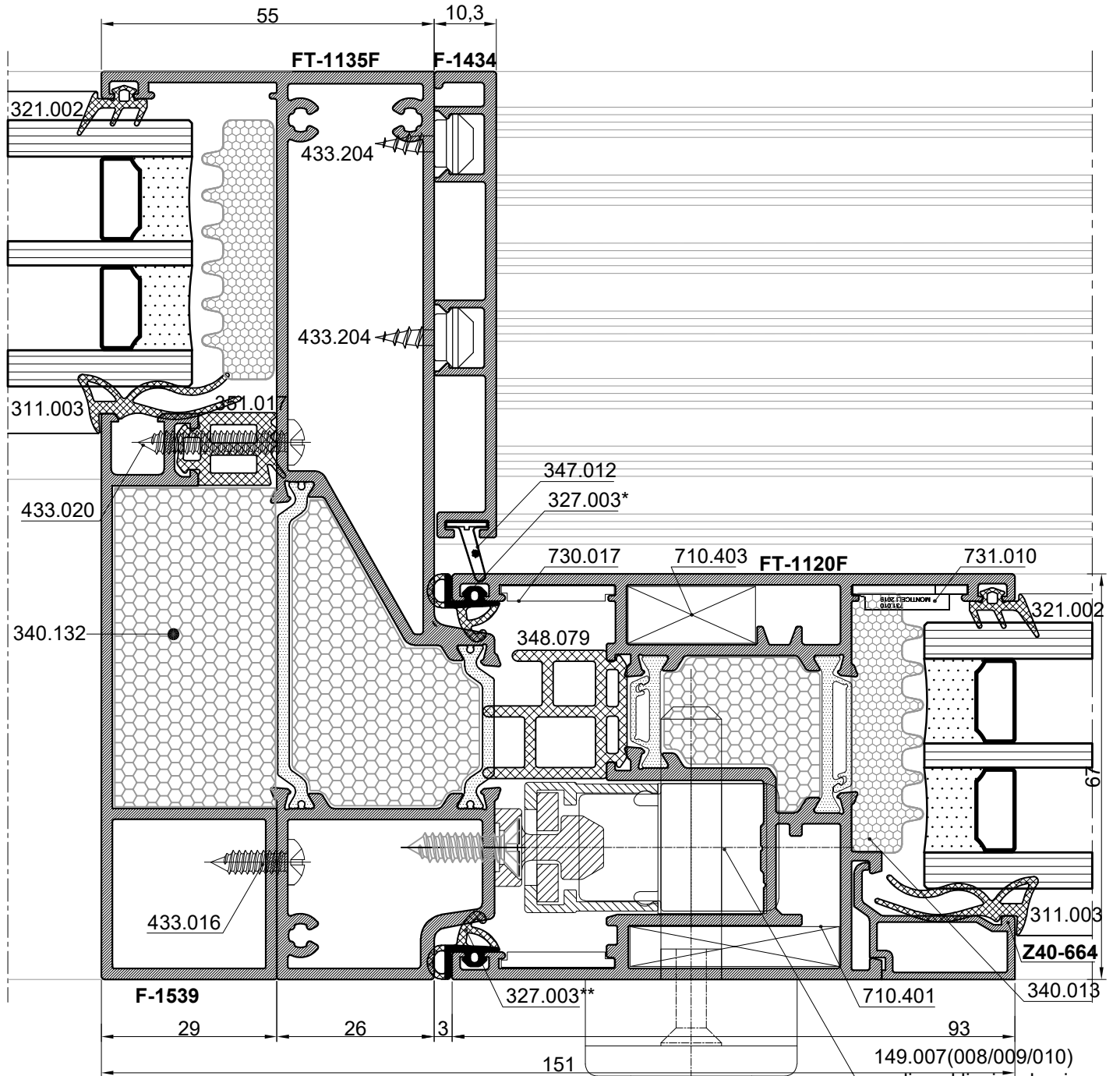
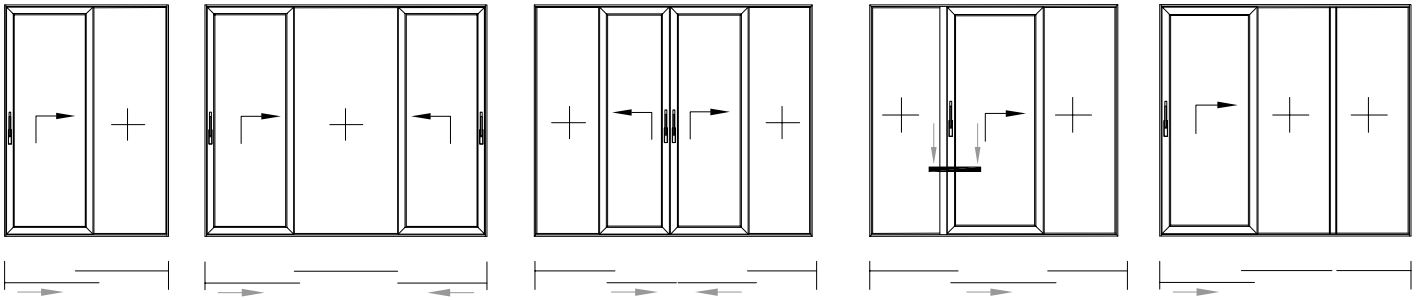


- Profil FMO 50/61 (maska ojačanja) mora biti 50 mm duži od profila ojačanja.
- FMO 50/61 profile (reinforcement mask) must be 50 mm longer than the reinforcement profile.

\*Ojačanje sa čeličnom cijevi ide na vanjsku stranu profila prečke.  
Reinforcement with steel tube goes to the exterior side of window crossbar.



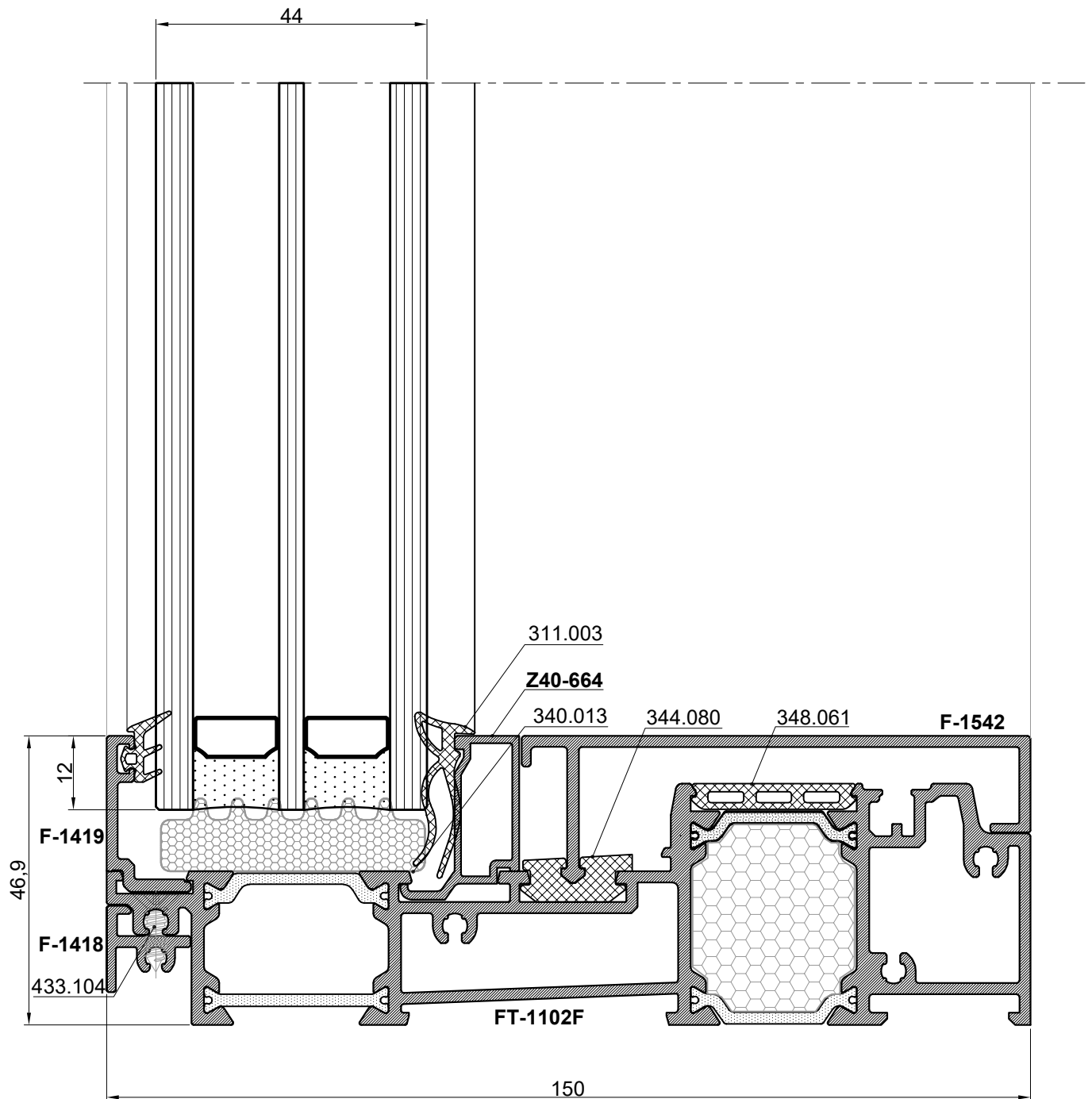
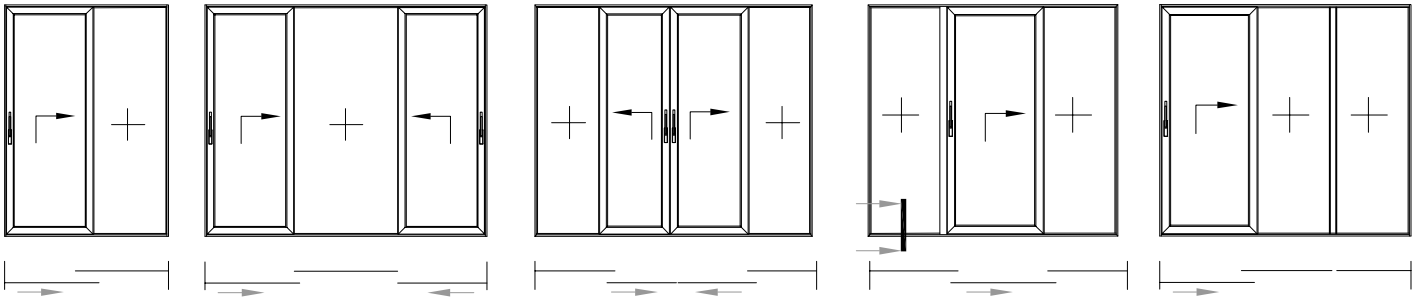


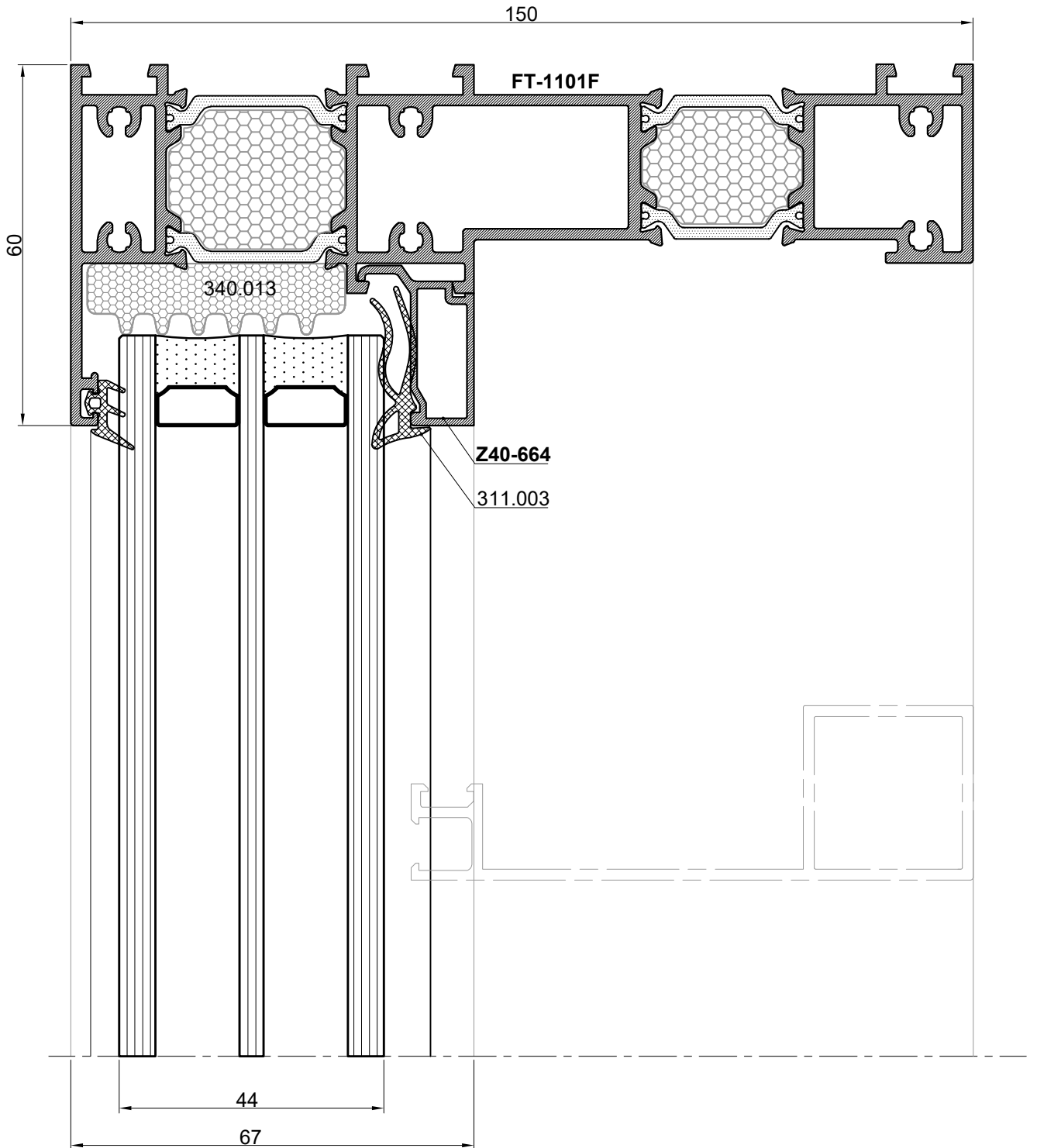
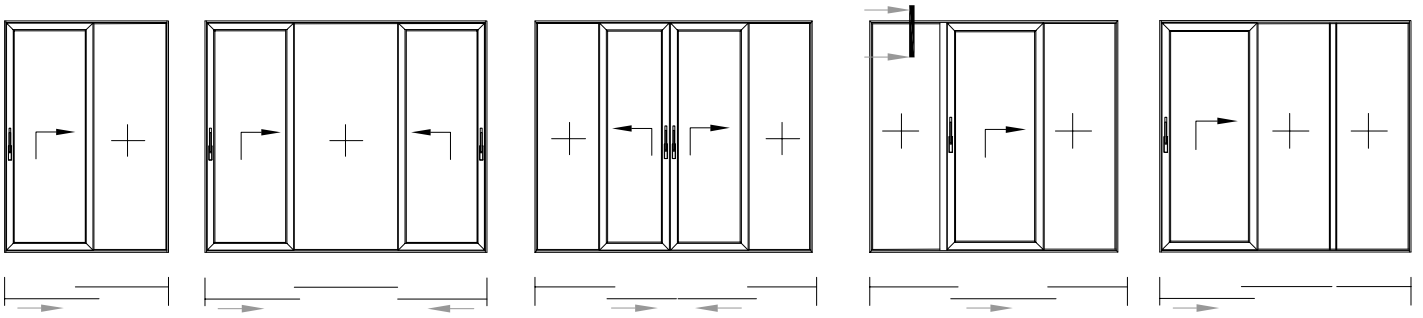


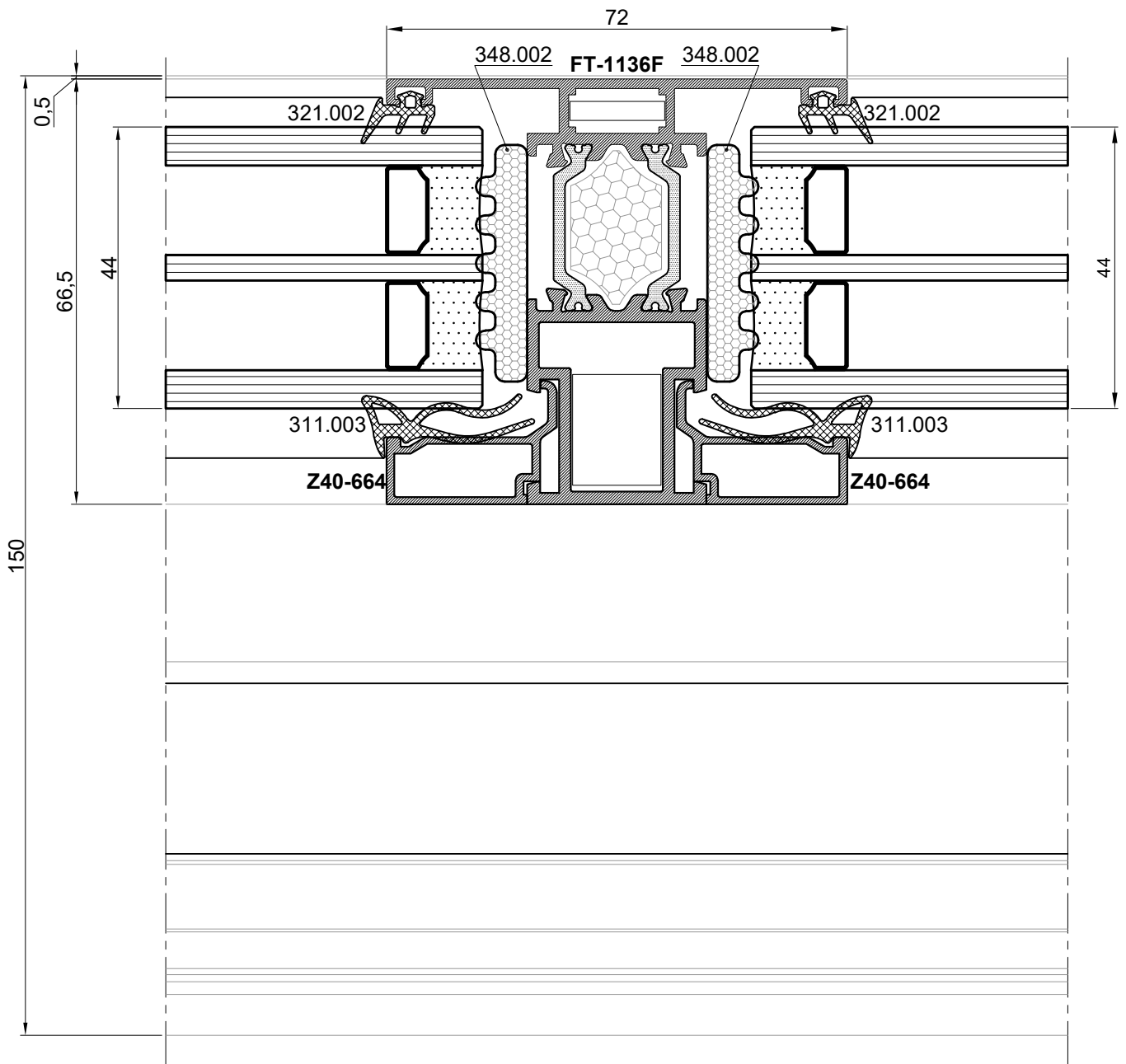
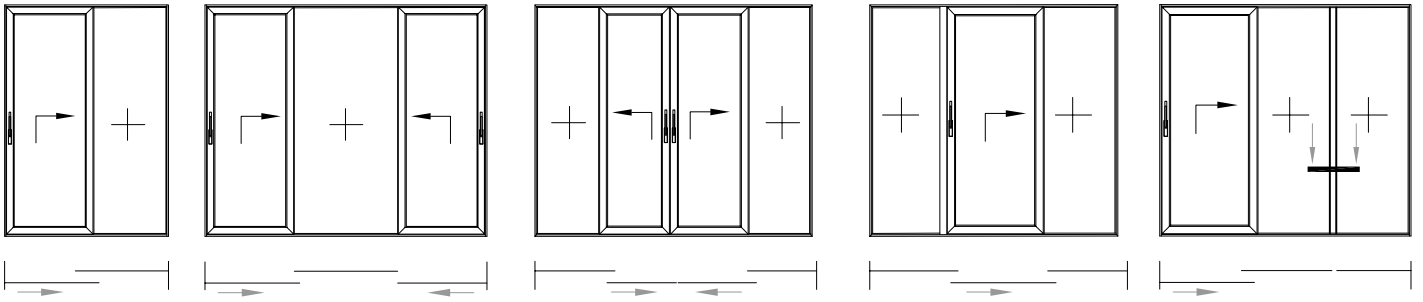
\*Moguće koristiti brtvu 344.106

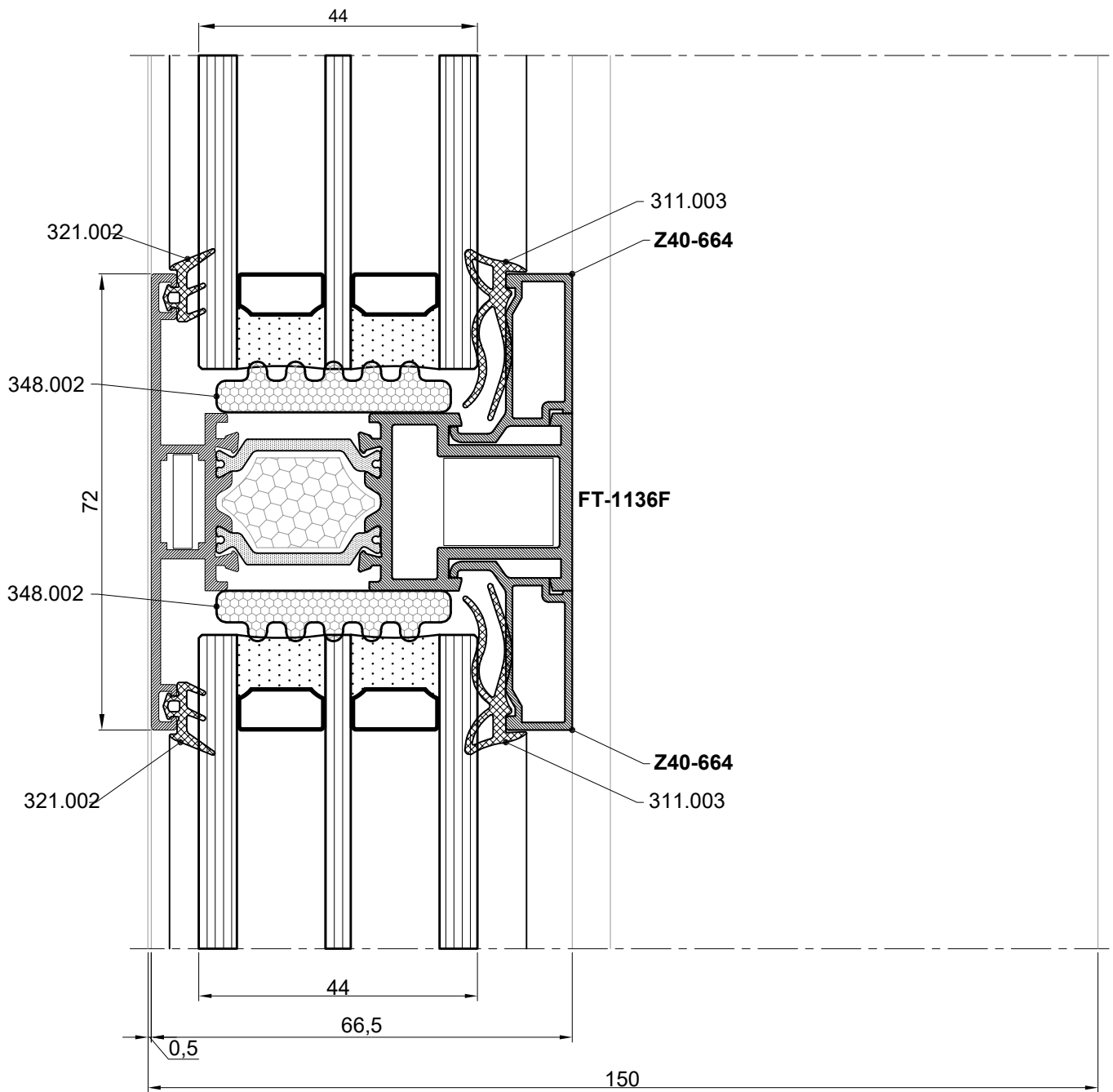
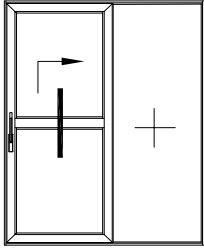
\*\*Moguće koristiti brtvu 344.108

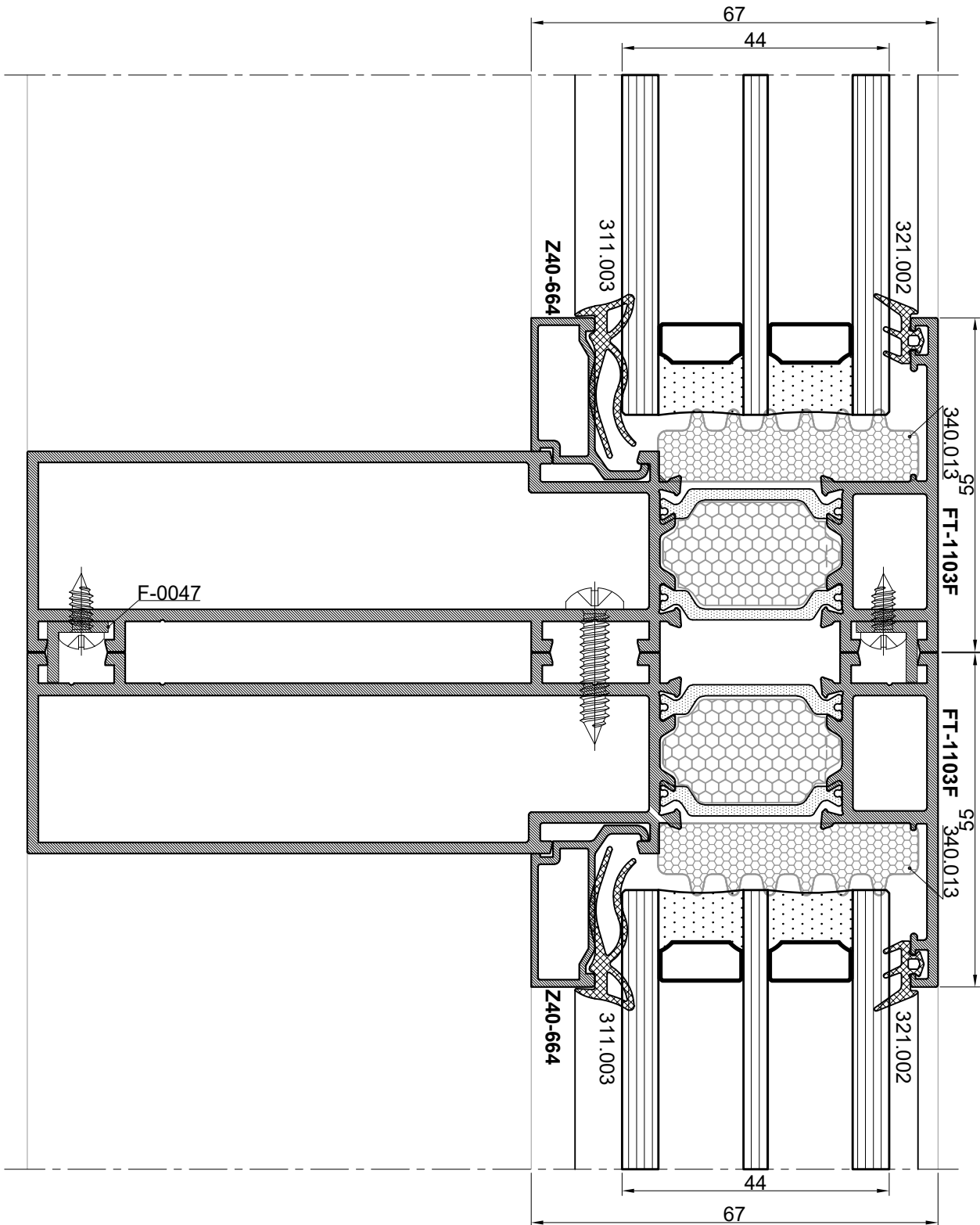
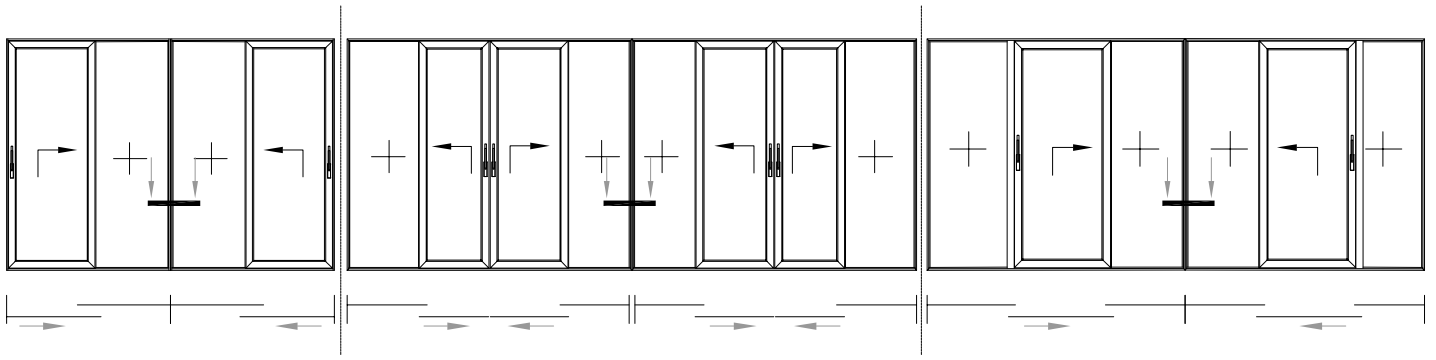
149.007(008/009/010)  
podizno klizni mehanizam  
Atrium HS 330  
Gr.180,210,240,270  
Lift & Slide hardware  
Atrium HS 330  
Gr.180,210,240,270

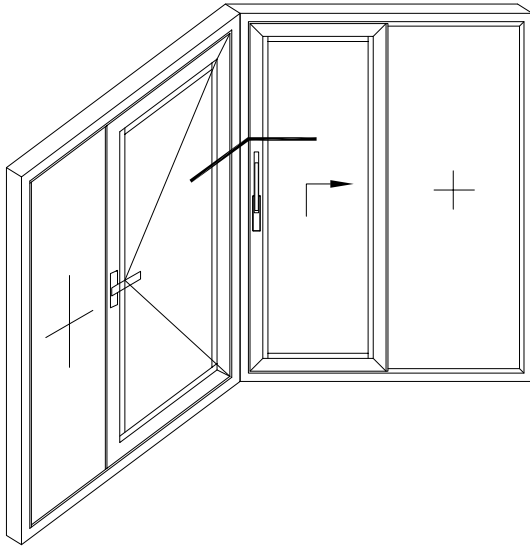




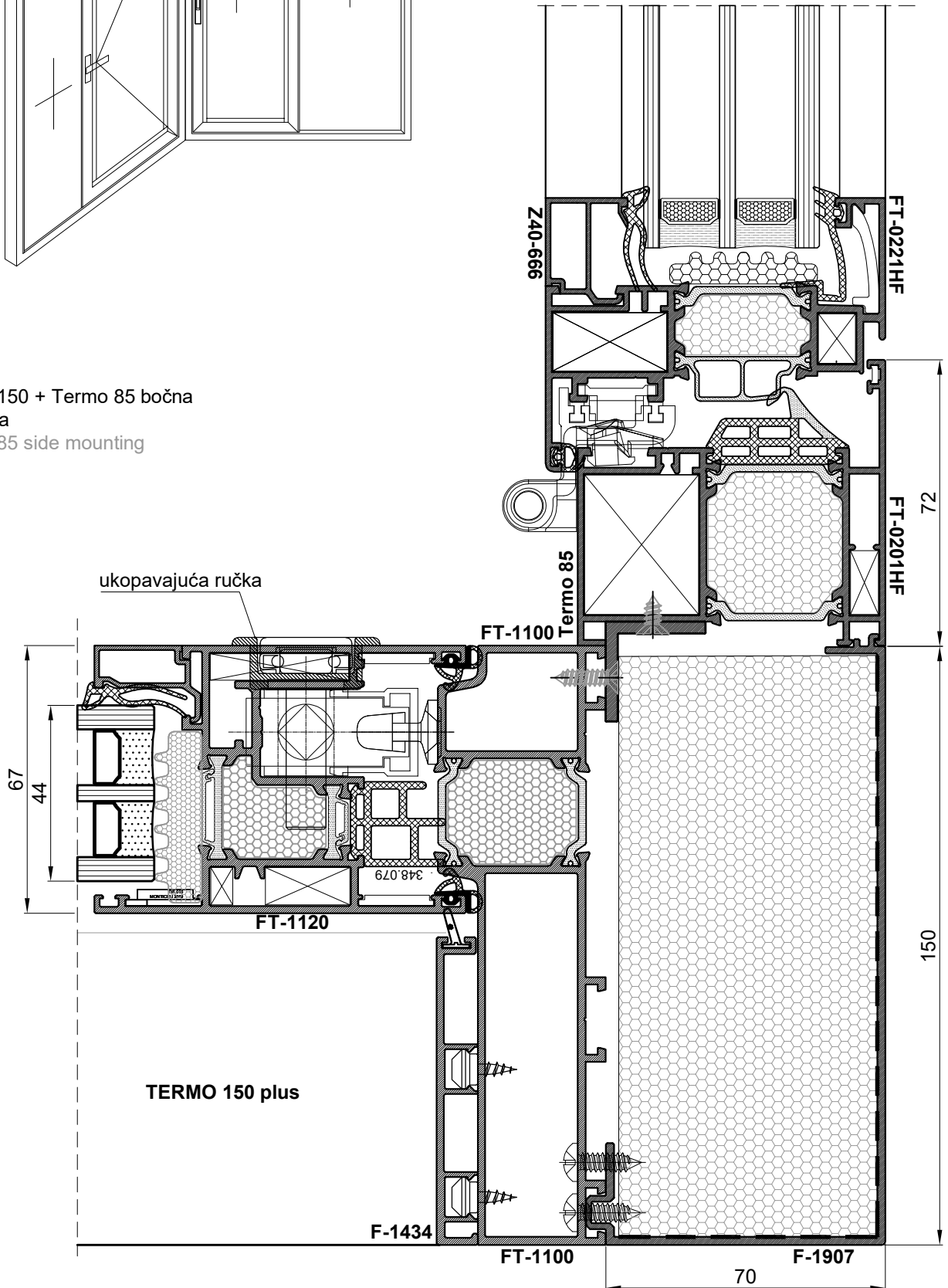


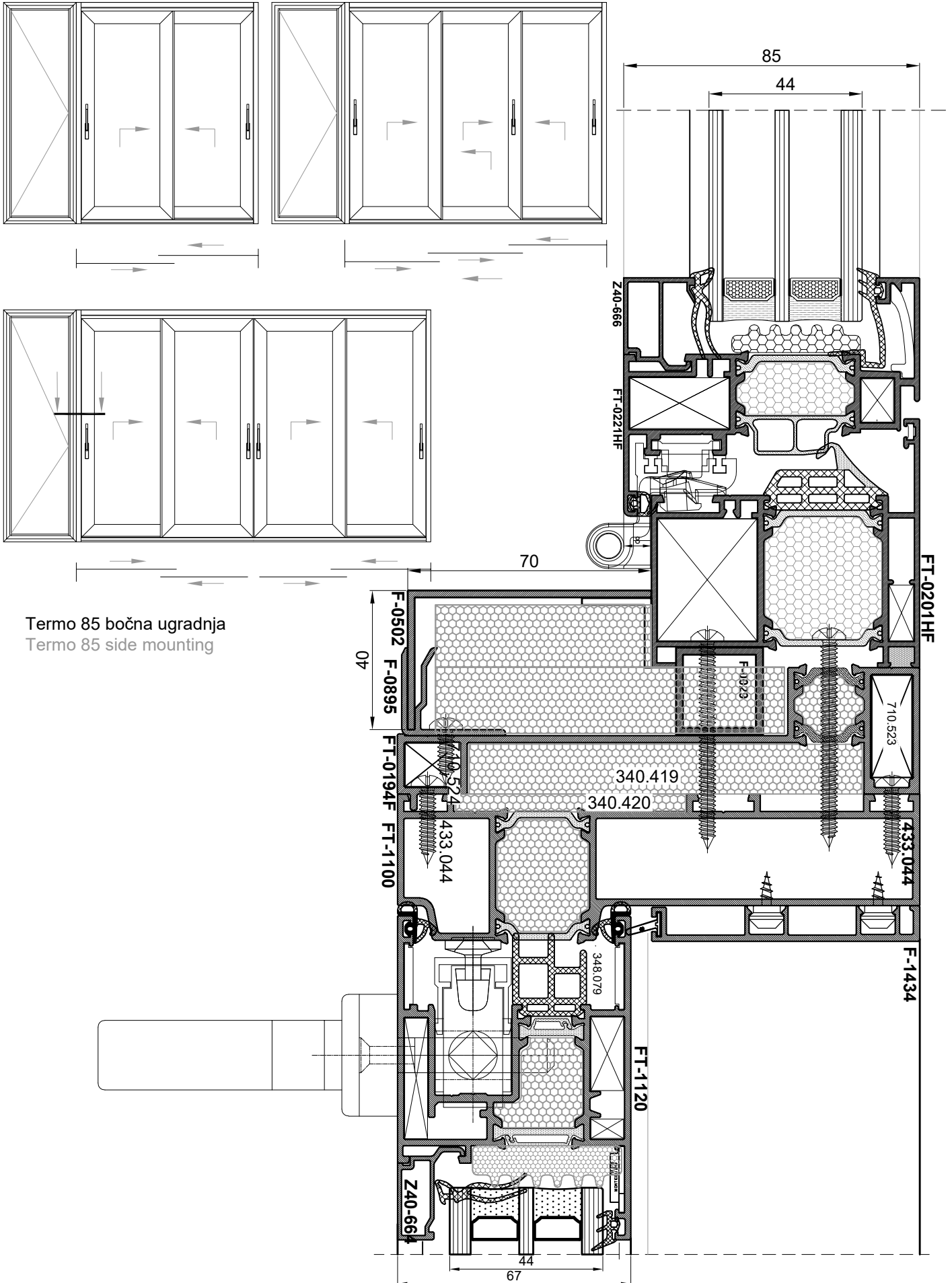




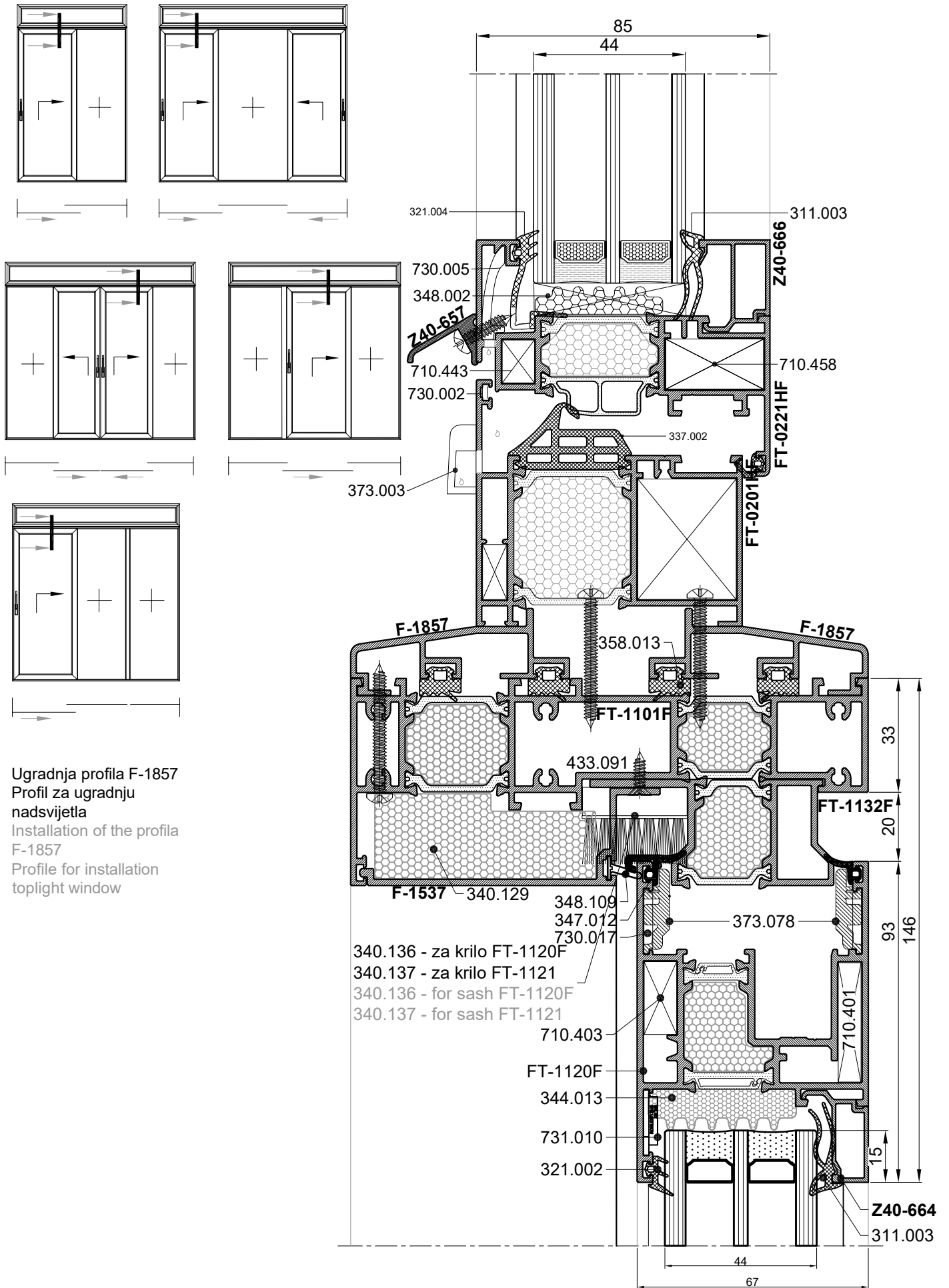


Termo 150 + Termo 85 bočna ugradnja  
Termo 85 side mounting



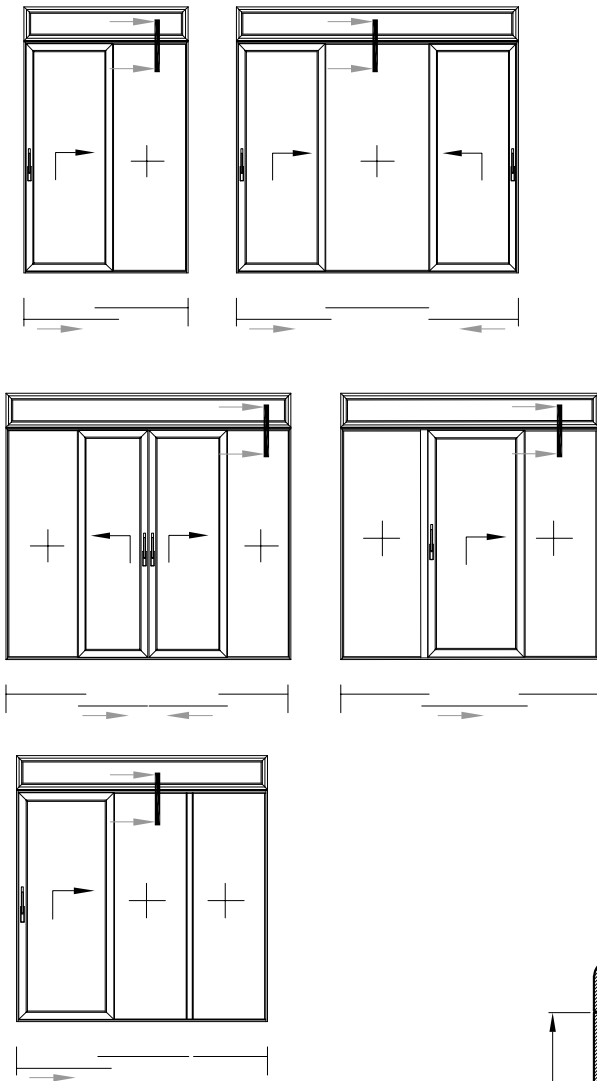


Termo 85 bočna ugradnja  
Termo 85 side mounting

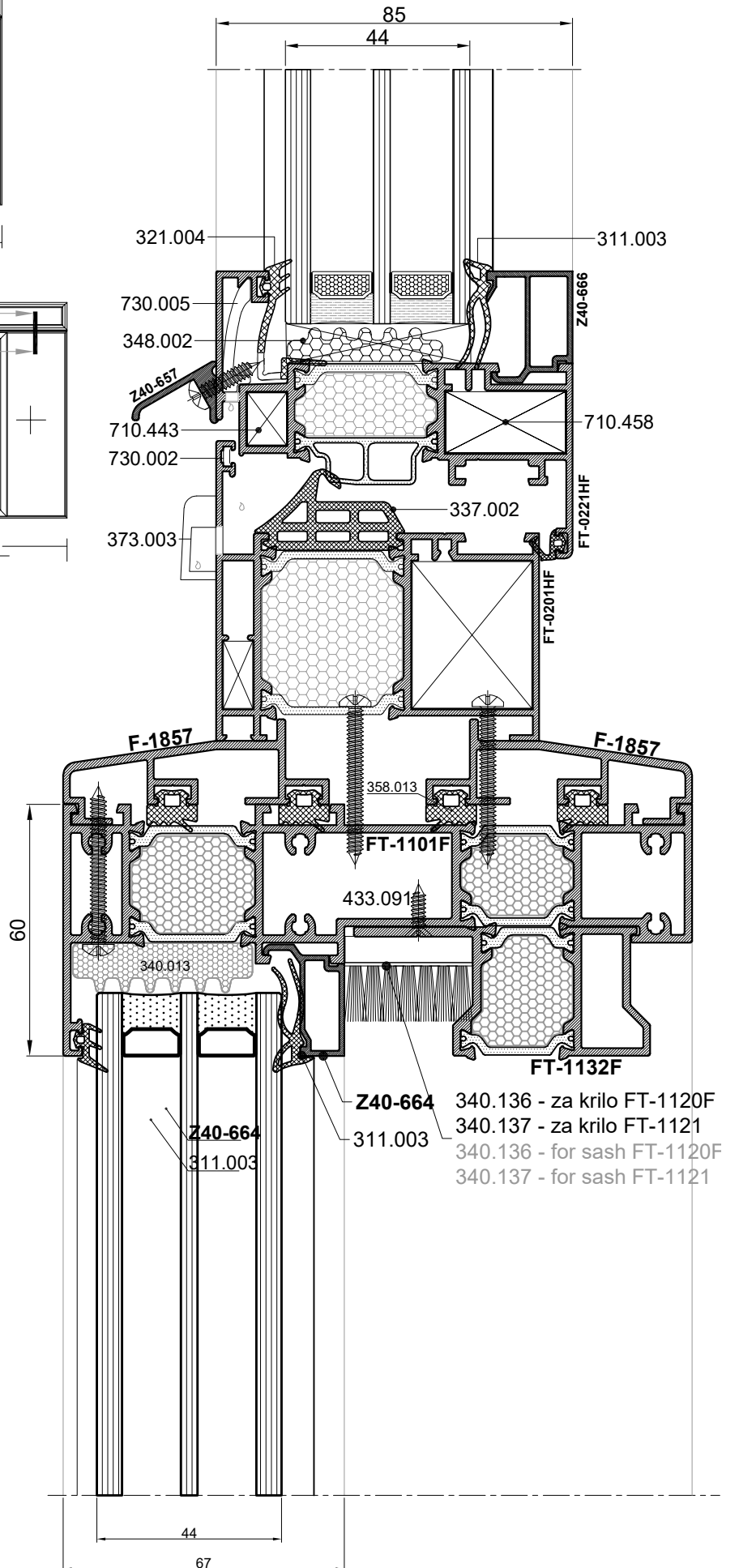


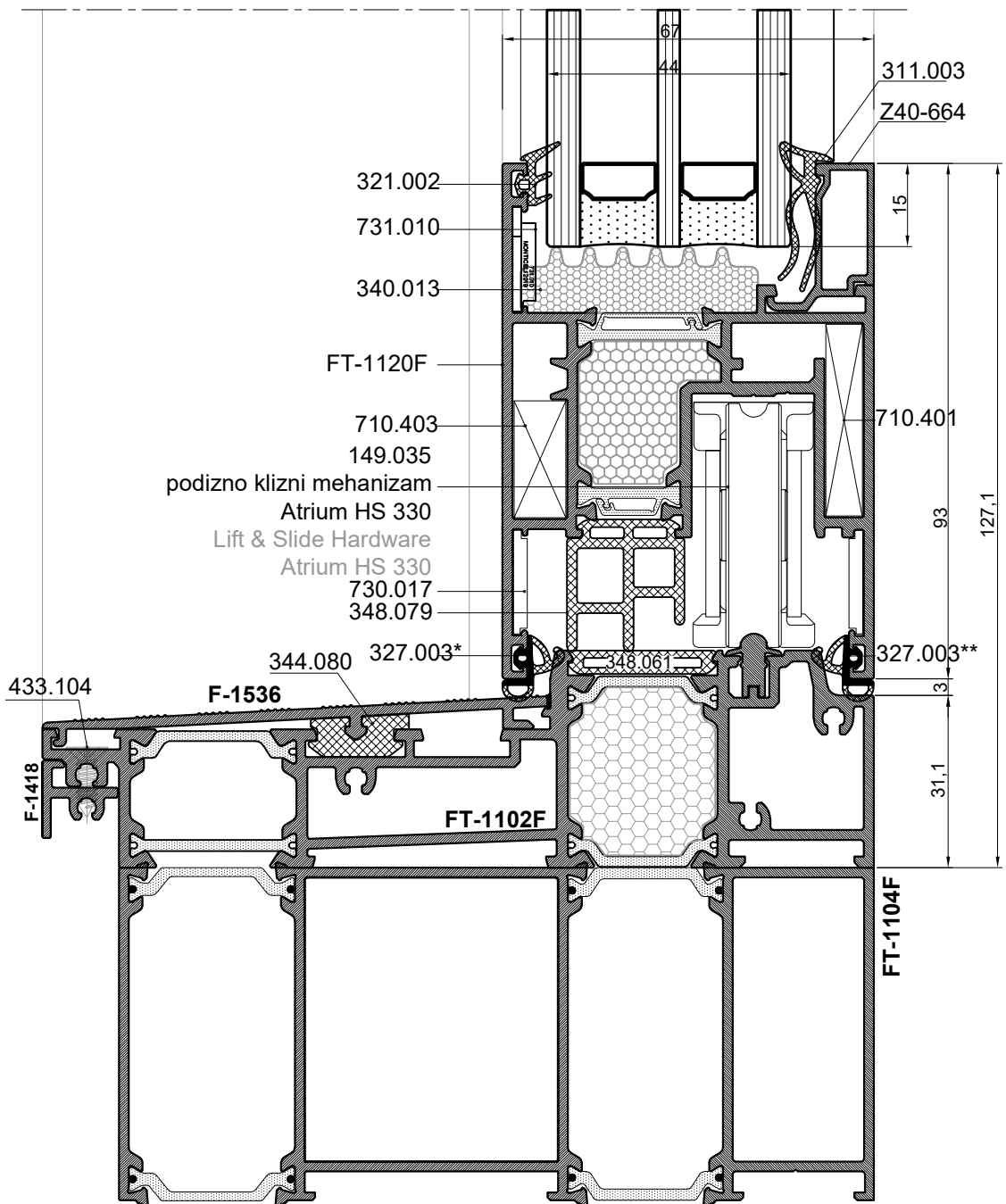
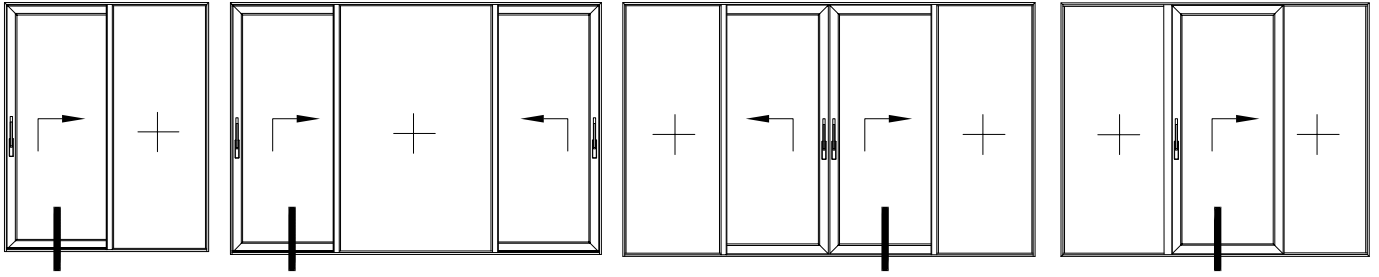
Ugradnja profila F-1857  
 Profil za ugradnju  
 nadsvijetla  
 Installation of the profila  
 F-1857  
 Profile for installation  
 toplight window

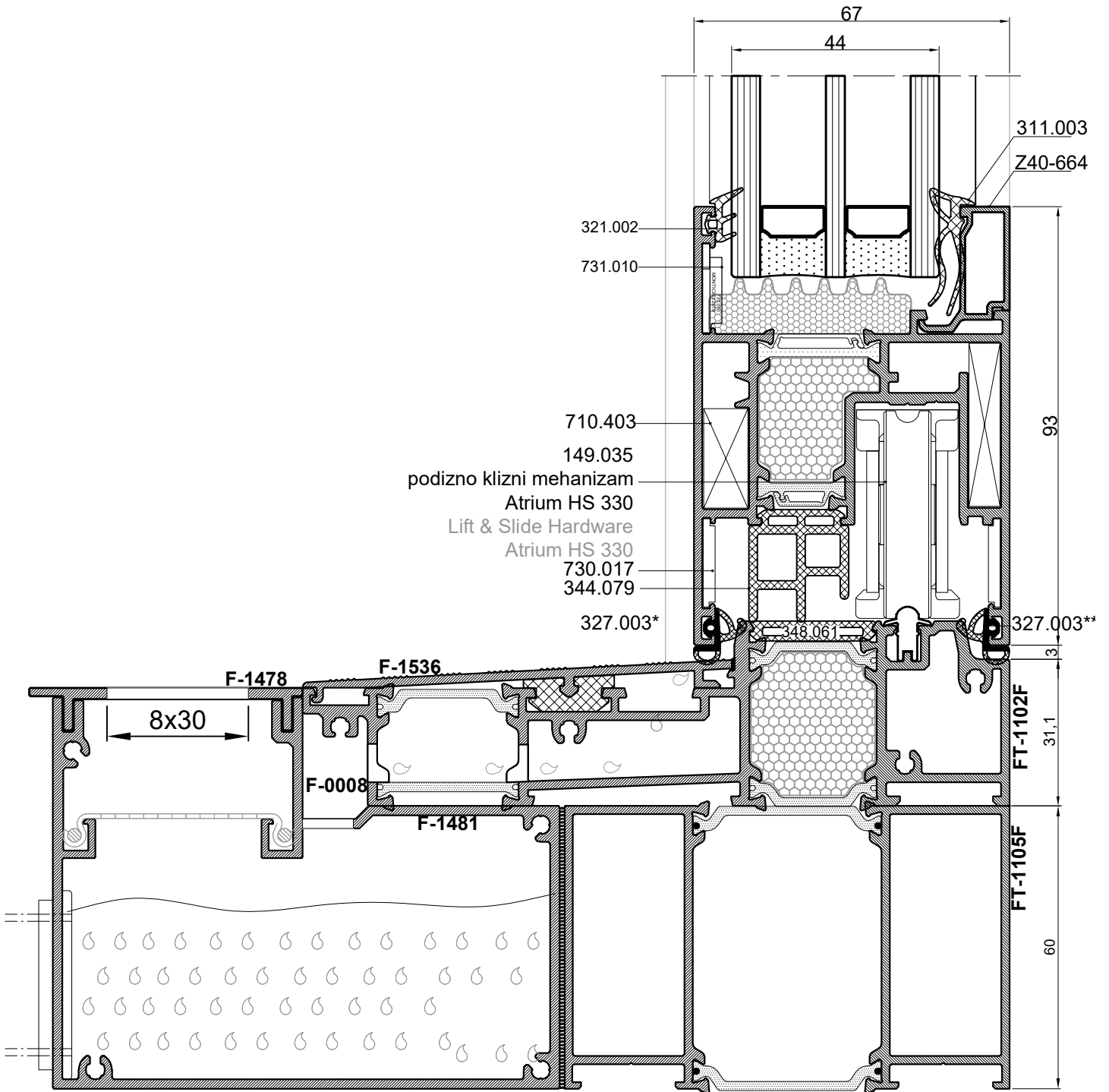
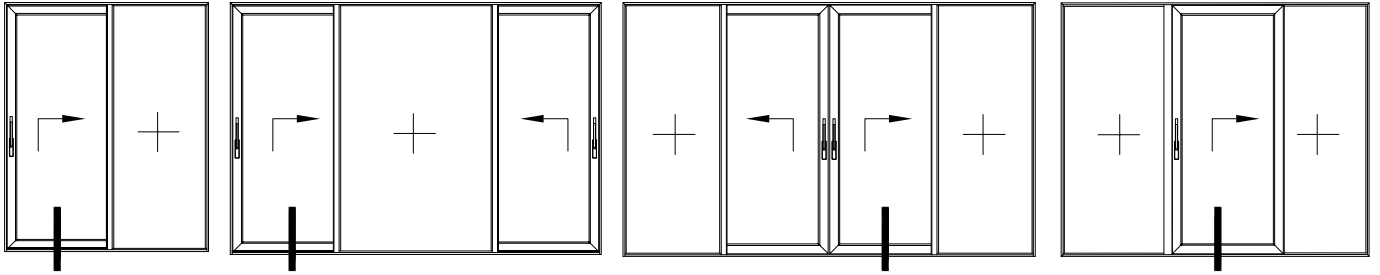
340.136 - za krilo FT-1120F  
 340.137 - za krilo FT-1121  
 340.136 - for sash FT-1120F  
 340.137 - for sash FT-1121

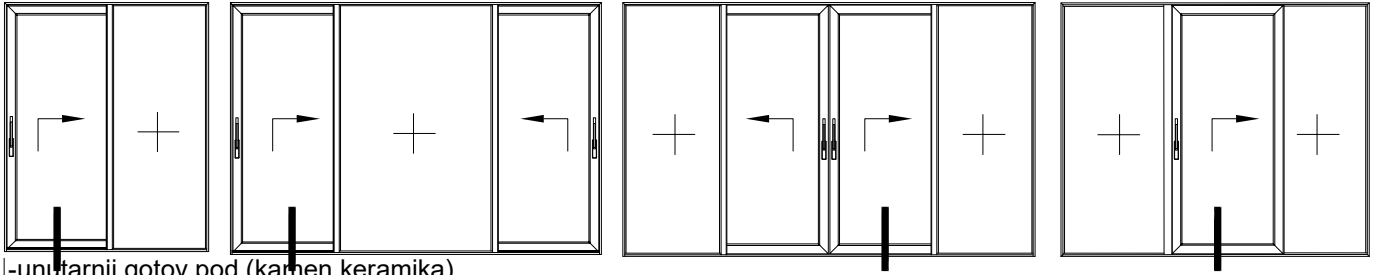


Ugradnja profila F-1857  
 Profil za ugradnju  
 nadsvijetla  
 Installation of the profila  
 F-1857  
 Profile for installation  
 toplight window

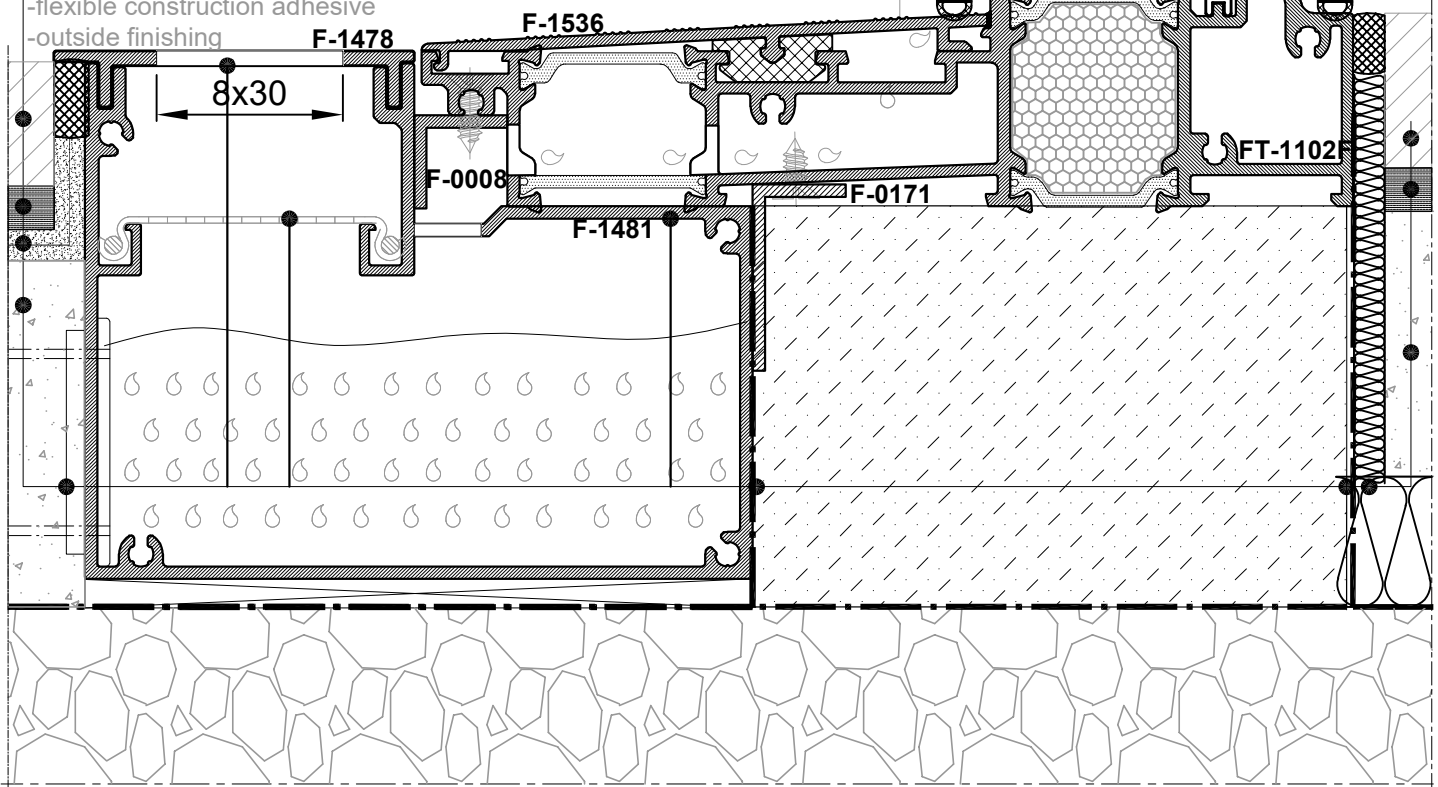
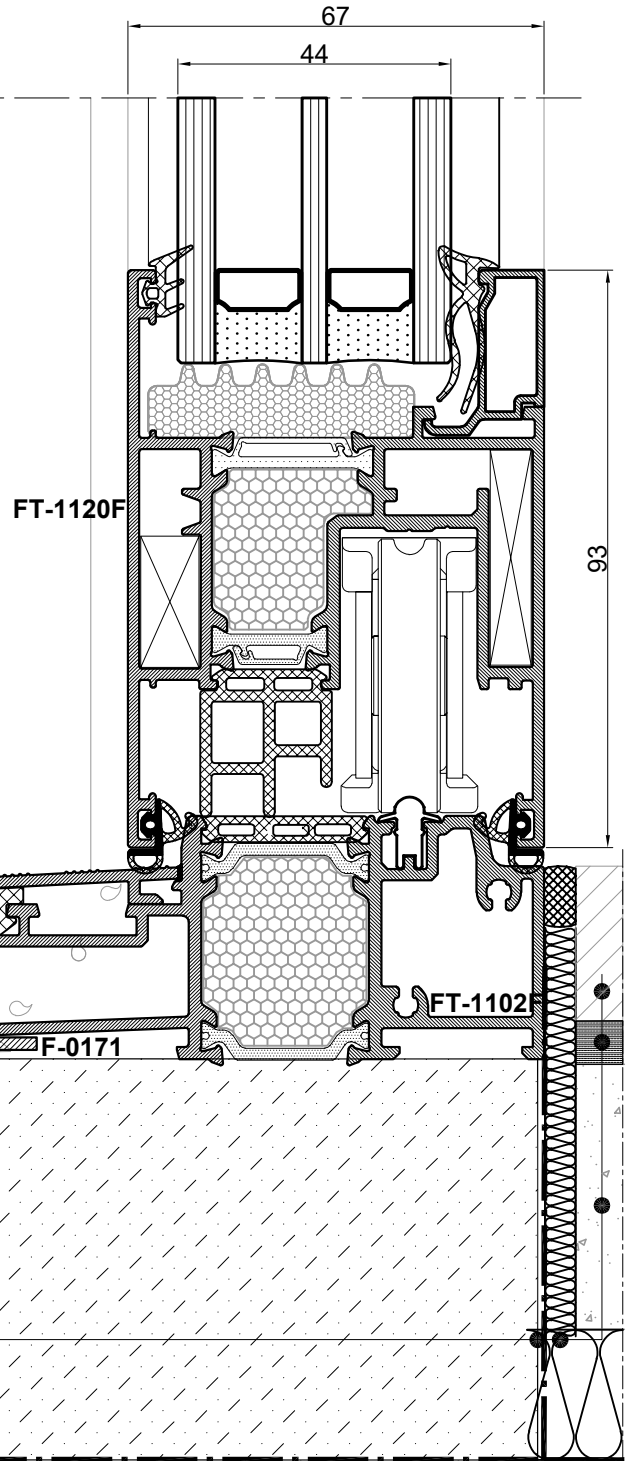


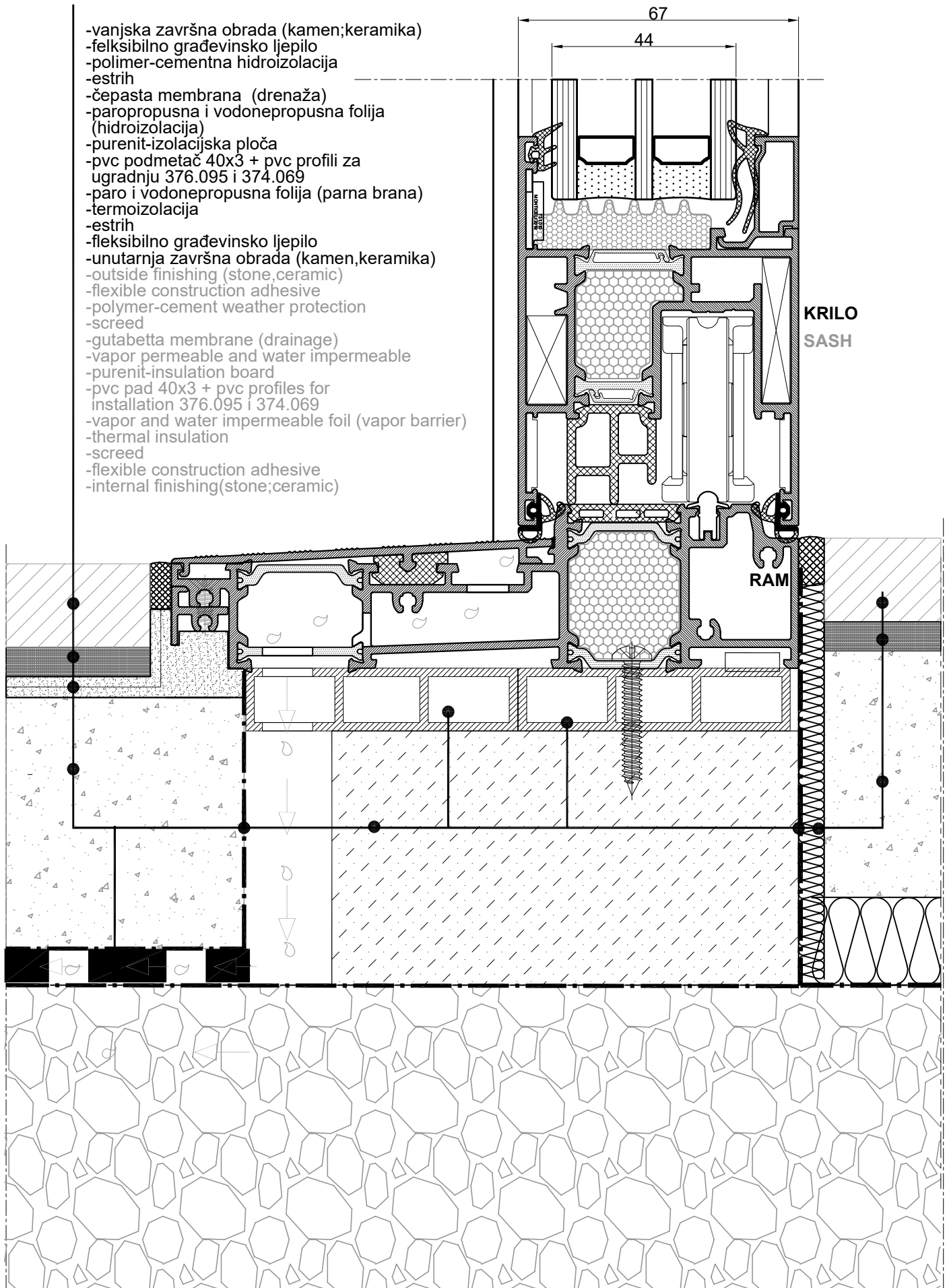






- unutarnji gotov pod (kamen,keramika)
- fleksibilno građevinsko ljepilo
- estrih
- termoizolacija
- paro- i vodonepropusna folija (parna brana)
- purenit-izolacijska ploča
- paropropusna i vodonepropusna folija (hidroizolacija)
- sakupljač kapljevina F-1481
- mreža 340.047
- F-1478 al profil maska sakupljača kapljevina
- cijev za odvod kapljevina  
(položena u estrih, izvodi kapljevine vani iz sakupljača kapljevina)
- estrih
- polimer-cementna hidroizolacija
- fleksibilno građevinsko ljepilo
- vanjska završna obrada
- inside finished floor(stone;ceramic)
- flexible construction adhesive
- screed
- thermal insulation
- vapor and water impermeable foil (vapor barrier)
- purenit thermal insulation
- vapor permeable and water impermeable (hydro insulation)
- liquid collector F-1481
- net 340.047
- F-1478 al profile mask of liquid collector
- tube for drainage liquids  
(sited in the screed, drainage liquids out from collector)
- screed
- polymer-cement weather protection
- flexible construction adhesive
- outside finishing



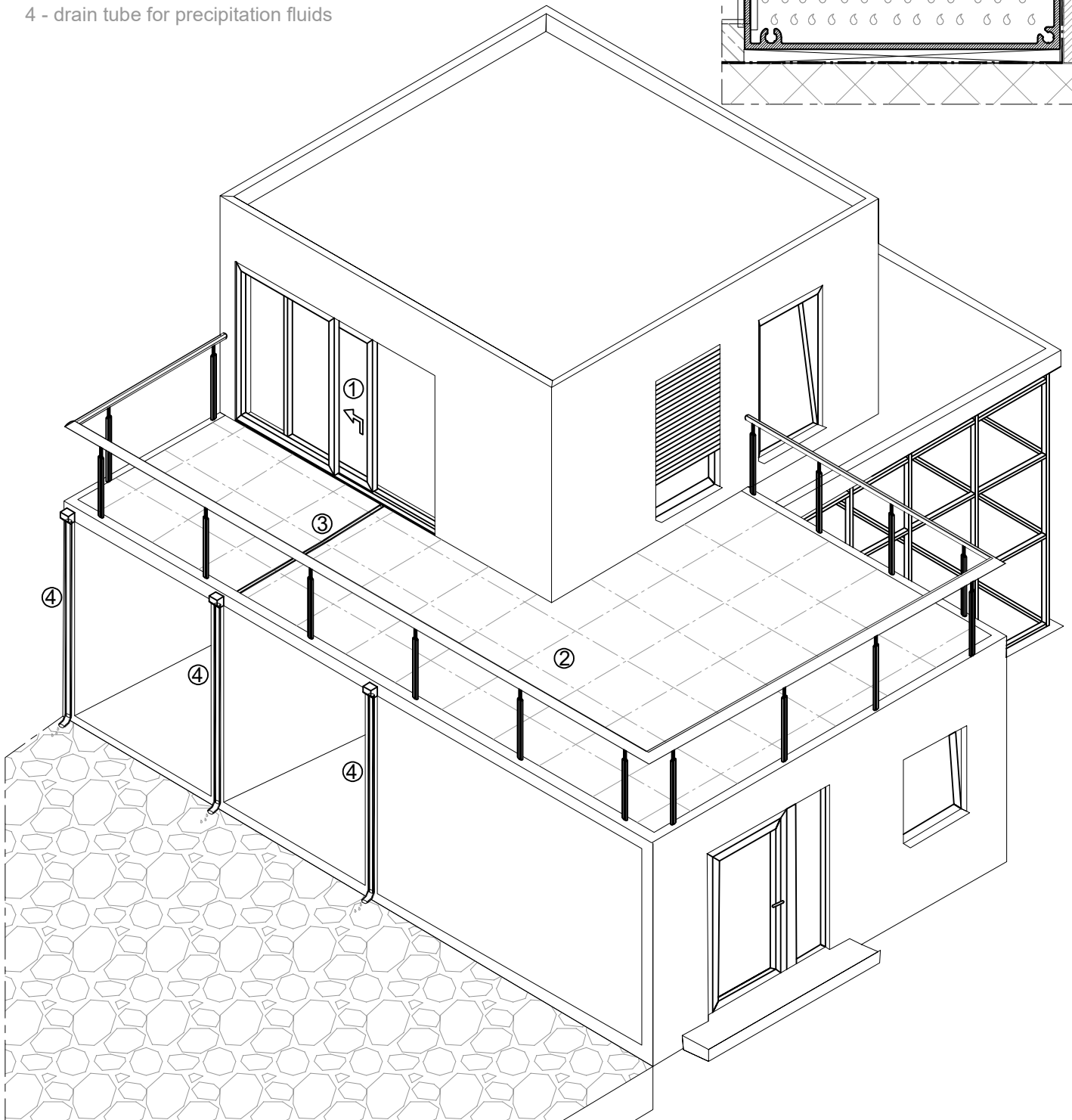
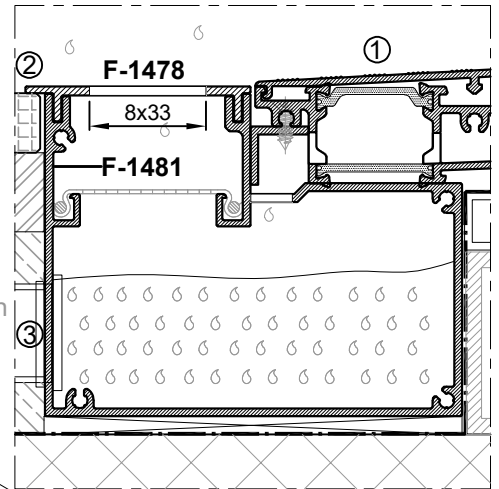


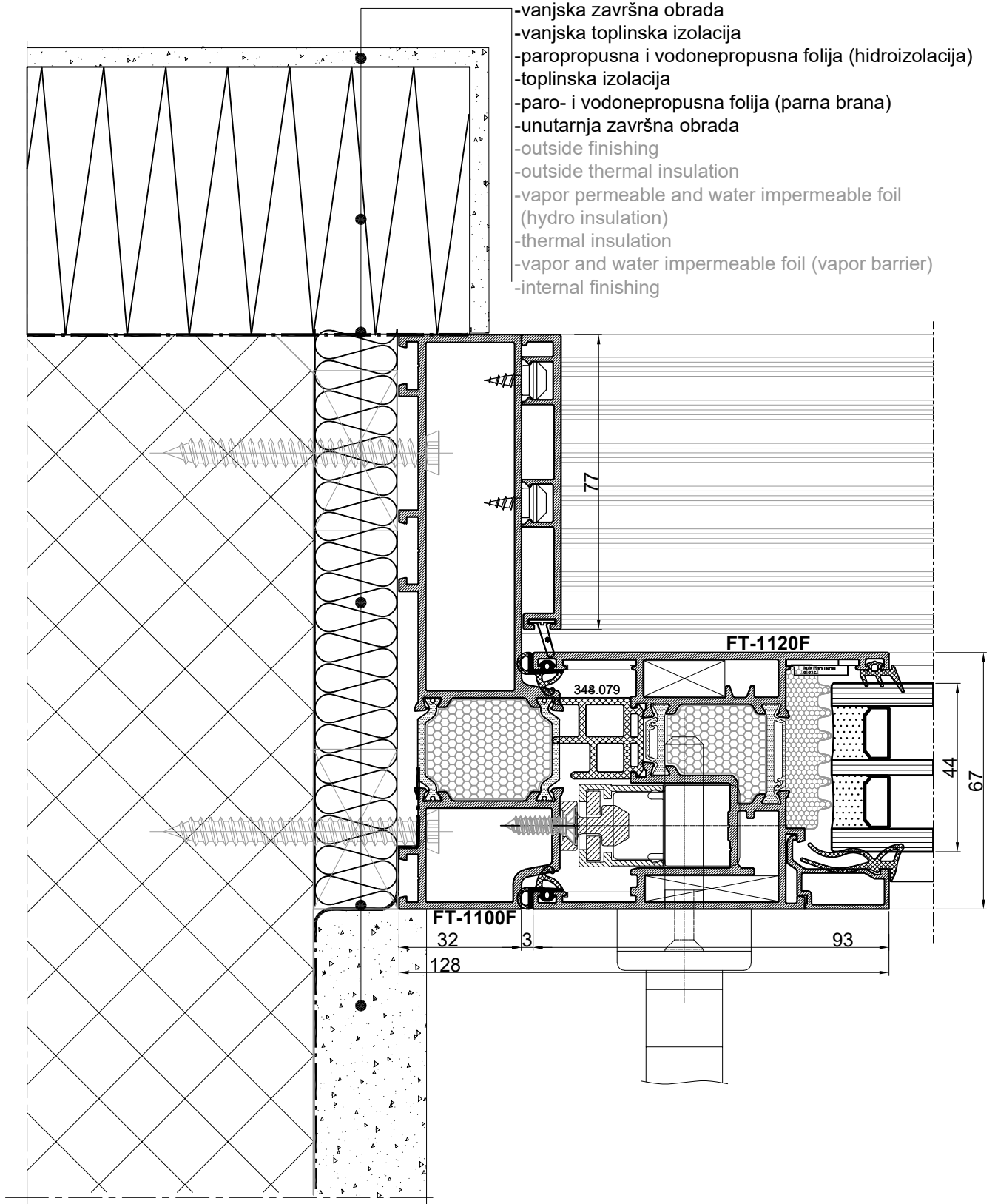
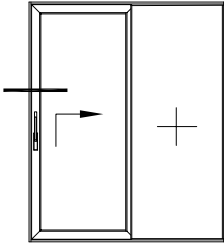
Prikaz odvodnje vode sa dodatnim profilom za sakupljanje kapljevina za klizne sisteme (niske pragove do 20 mm):

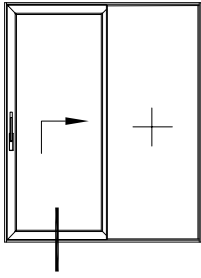
- 1 - klizni sistemi (ugradnja sa visinom praga u odnosu na gotov pod do 20 mm)
- 2 - terasa
- 3 - cijev za odvod kapljevina iz kliznog sistema preko dodatnog profila za sakupljanje kroz estrih (preko terase) u svodnu cijev za oborinske vode
- 4 - svodne cijevi za oborinske vode

An overview of the drainage with additional profile for collecting liquid of sliding system (lower threshold up to 20 mm):

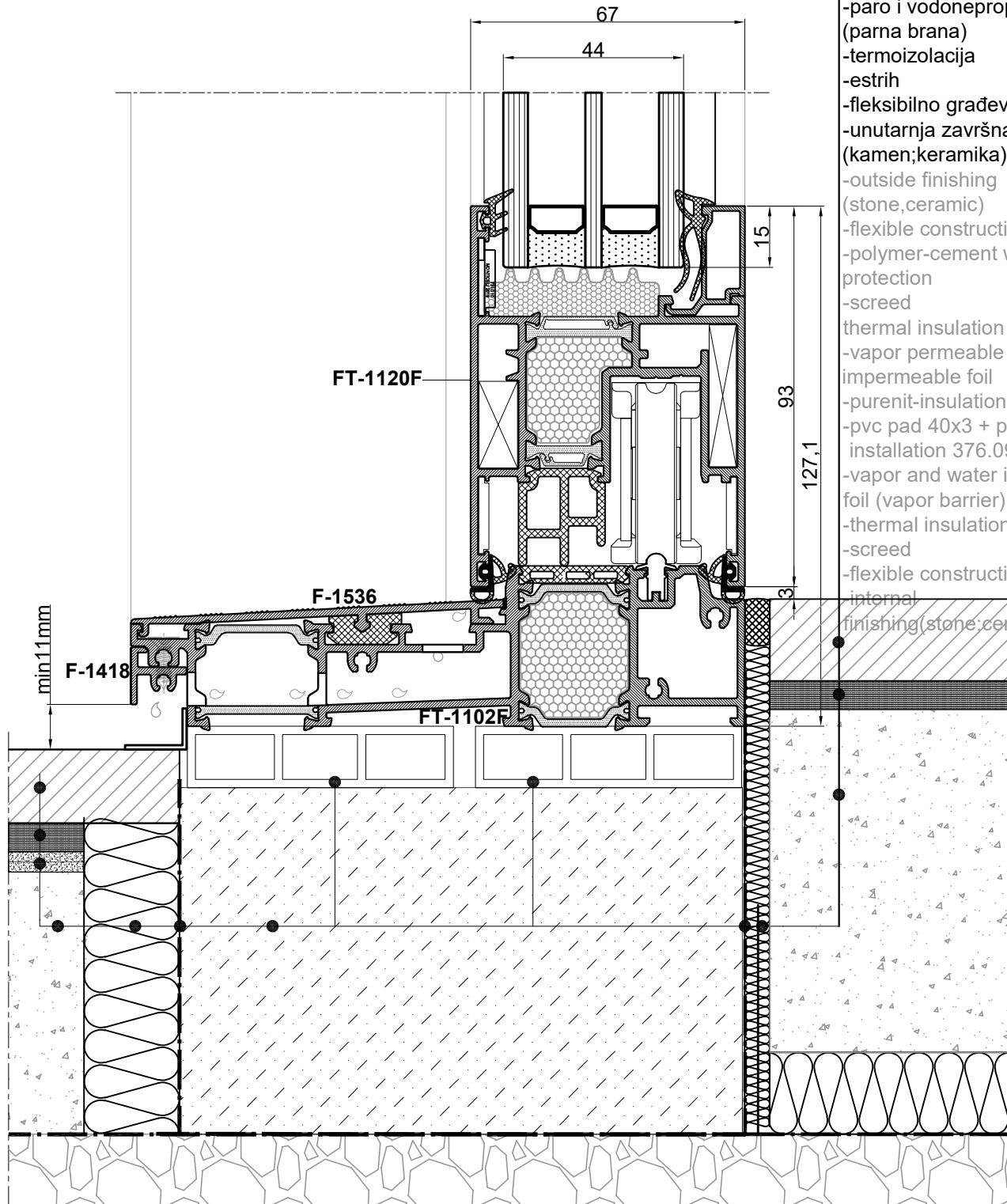
- 1 - sliding system (installation with threshold height in relation of the finished floor up to 20 mm)
- 2 - terrace
- 3 - the drainage tube from sliding system over additional profile for collecting liquid through screed (over terrace) into drain tube for precipitation fluids
- 4 - drain tube for precipitation fluids



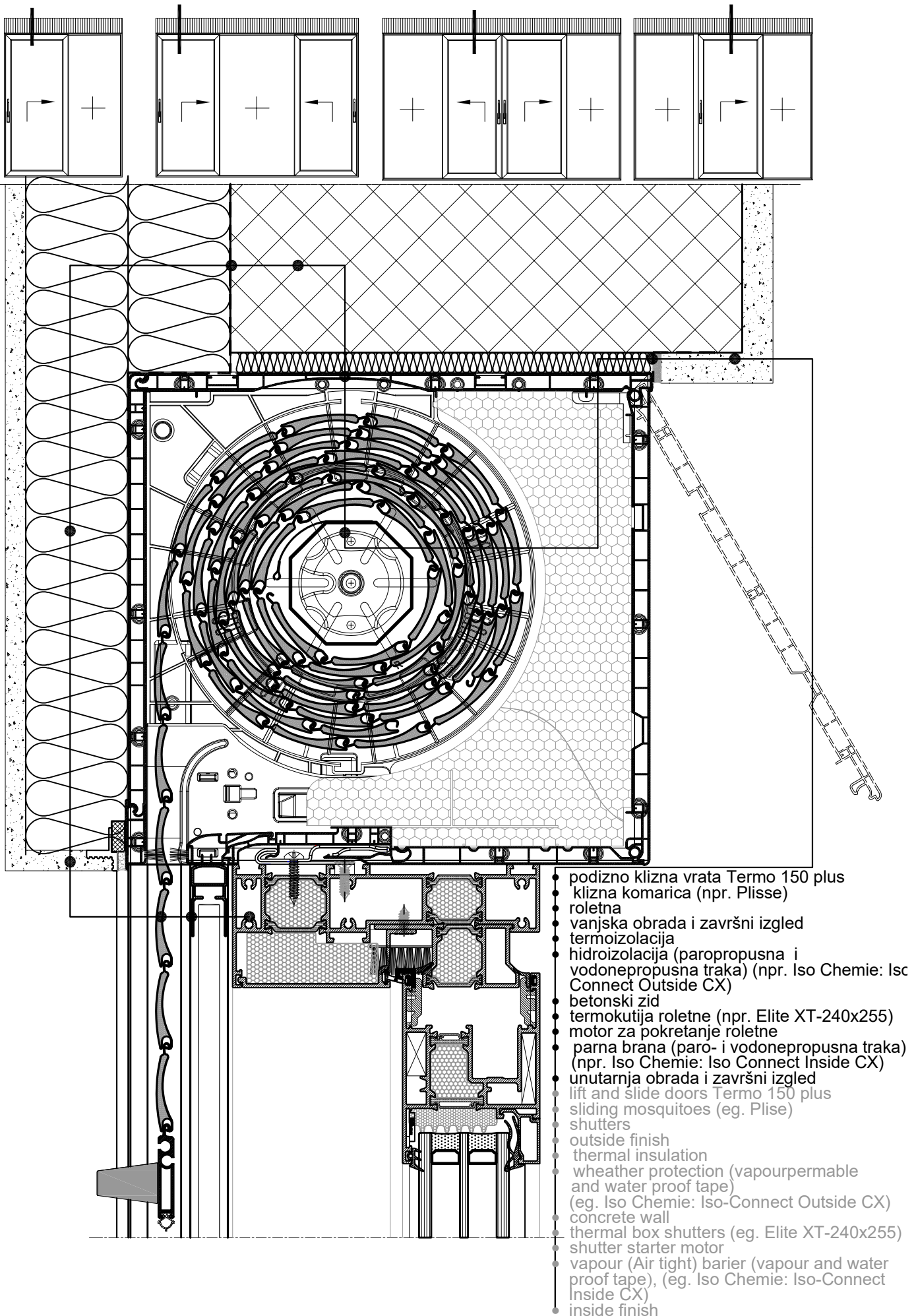


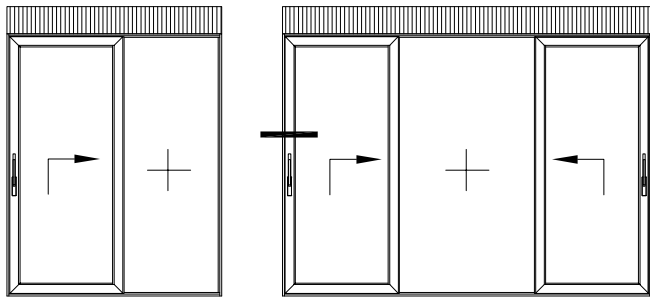


**NAPOMENA:**  
Ovakav način montaže primjenjiv je za pozicije koje nisu izložene direktnom udaru vjetrova i vode  
This mounting method is applicable for positions that are not exposed to direct impact of wind and water

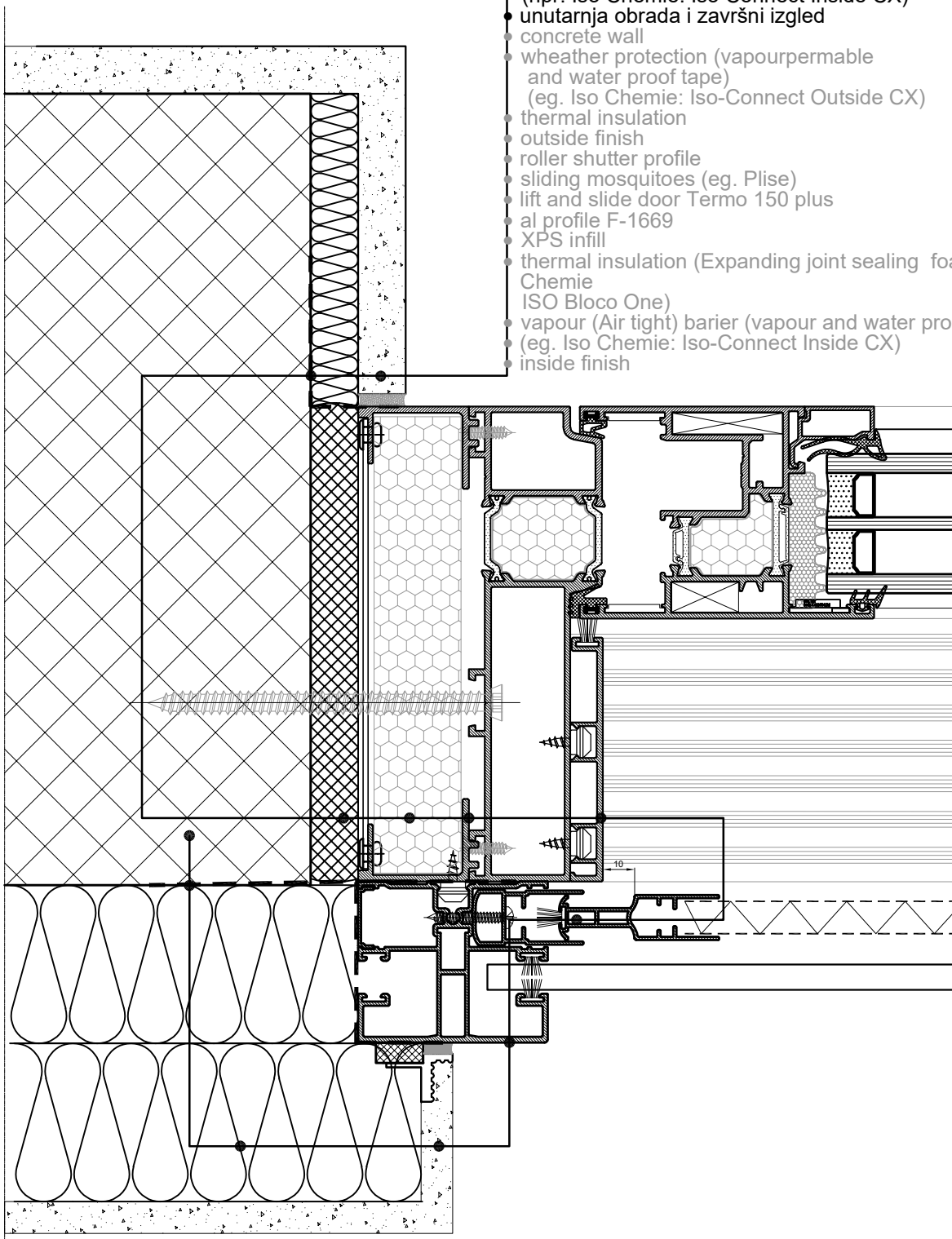


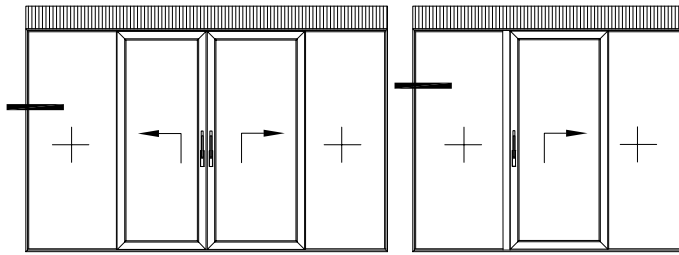
- vanjska završna obrada (kamen; keramika)
- fleksibilno građevinsko ljepilo
- polimer-cementna hidroizolacija
- estrih
- termoizolacija
- paropropusna i vodonepropusna folija (hidroizolacija)
- purenit-izolacijska ploča
- pvc podmetač 40x3 + pvc profili za ugradnju 376.095 i 374.069
- paro i vodonepropusna folija (parna brana)
- termoizolacija
- estrih
- fleksibilno građevinsko ljepilo
- unutarnja završna obrada (kamen; keramika)
- outside finishing (stone, ceramic)
- flexible construction adhesive
- polymer-cement weather protection
- screed
- thermal insulation
- vapor permeable and water impermeable foil
- purenit-insulation board
- pvc pad 40x3 + pvc profiles for installation 376.095 i 374.069
- vapor and water impermeable foil (vapor barrier)
- thermal insulation
- screed
- flexible construction adhesive
- internal finishing (stone, ceramic)



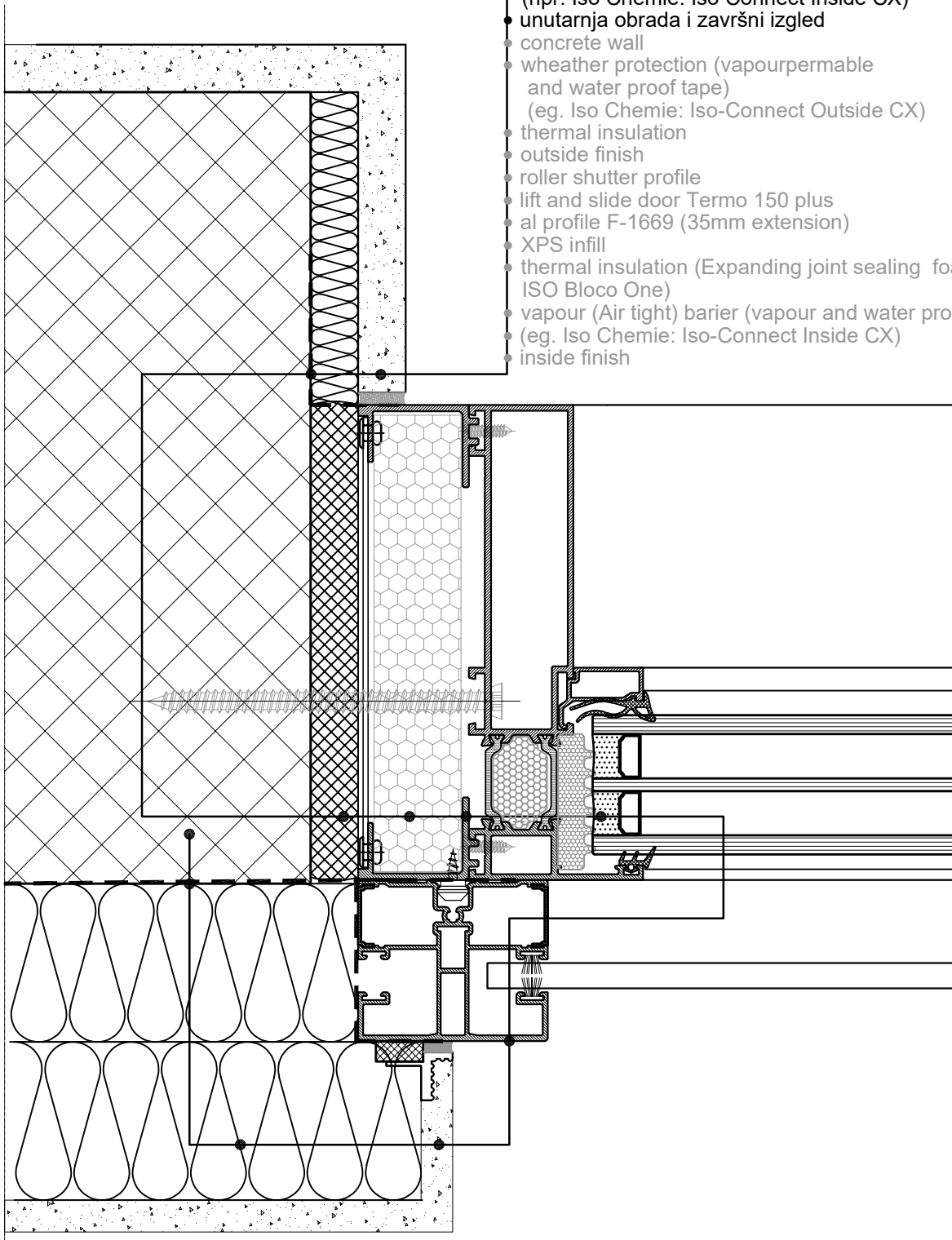


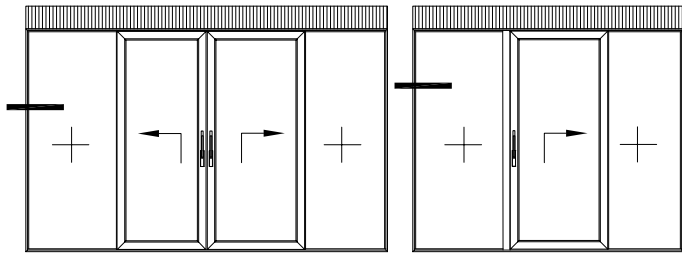
- betonski zid
- hidroizolacija (paropropusna i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Outside CX)
- termoizolacija
- vanjska obrada i završni izgled
- vodilica roletne
- klizna komarica (npr. Plisse)
- podizno klizna vrata Termo 150 plus
- al profil F-1669
- XPS ispuna
- termoizolacija (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
- concrete wall
- weather protection (vapourpermeable and water proof tape) (eg. Iso Chemie: Iso-Connect Outside CX)
- thermal insulation
- outside finish
- roller shutter profile
- sliding mosquitoes (eg. Plisse)
- lift and slide door Termo 150 plus
- al profile F-1669
- XPS infill
- 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



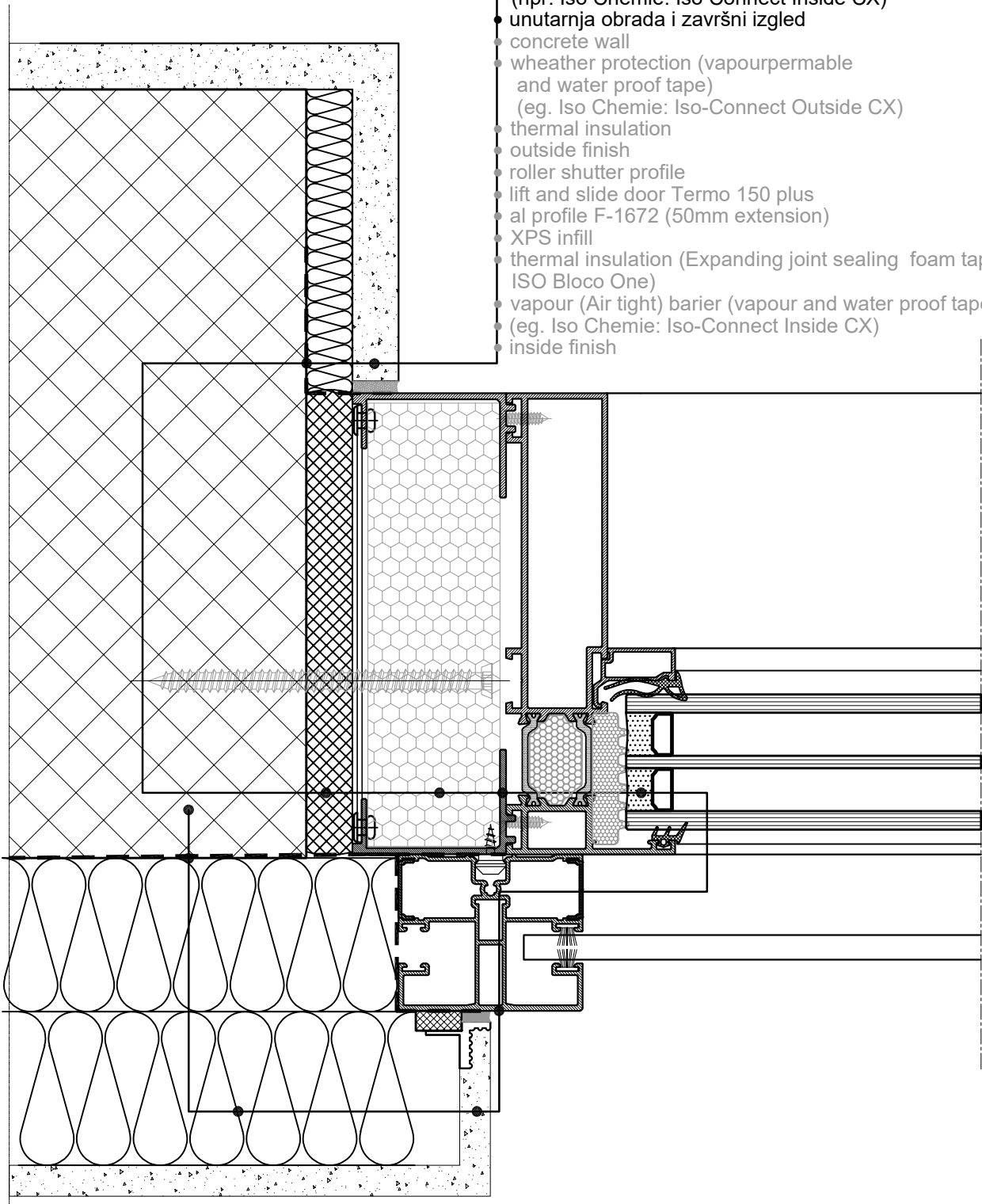


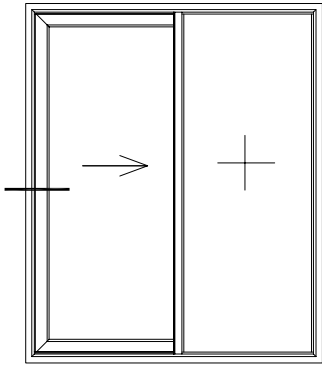
- betonski zid
- hidroizolacija (paropropusna i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Outside CX)
- termoizolacija
- vanjska obrada i završni izgled
- vodilica roletne
- podizno klizna vrata Termo 150 plus
- al profil F-1669 (35mm produljenje)
- XPS ispuna
- termoizolacija (exp.spužvica: Iso Chemie: ISO Bloco One)
- parna brana (paro- i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Inside CX)
- unutarnja obrada i završni izgled
- concrete wall
- weather protection (vapourpermeable and water proof tape) (eg. Iso Chemie: Iso-Connect Outside CX)
- thermal insulation
- outside finish
- roller shutter profile
- lift and slide door Termo 150 plus
- al profile F-1669 (35mm extension)
- XPS infill
- thermal insulation (Expanding joint sealing foam tape: Iso Che ISO Bloco One)
- vapour (Air tight) barrier (vapour and water proof tape), (eg. Iso Chemie: Iso-Connect Inside CX)
- inside finish





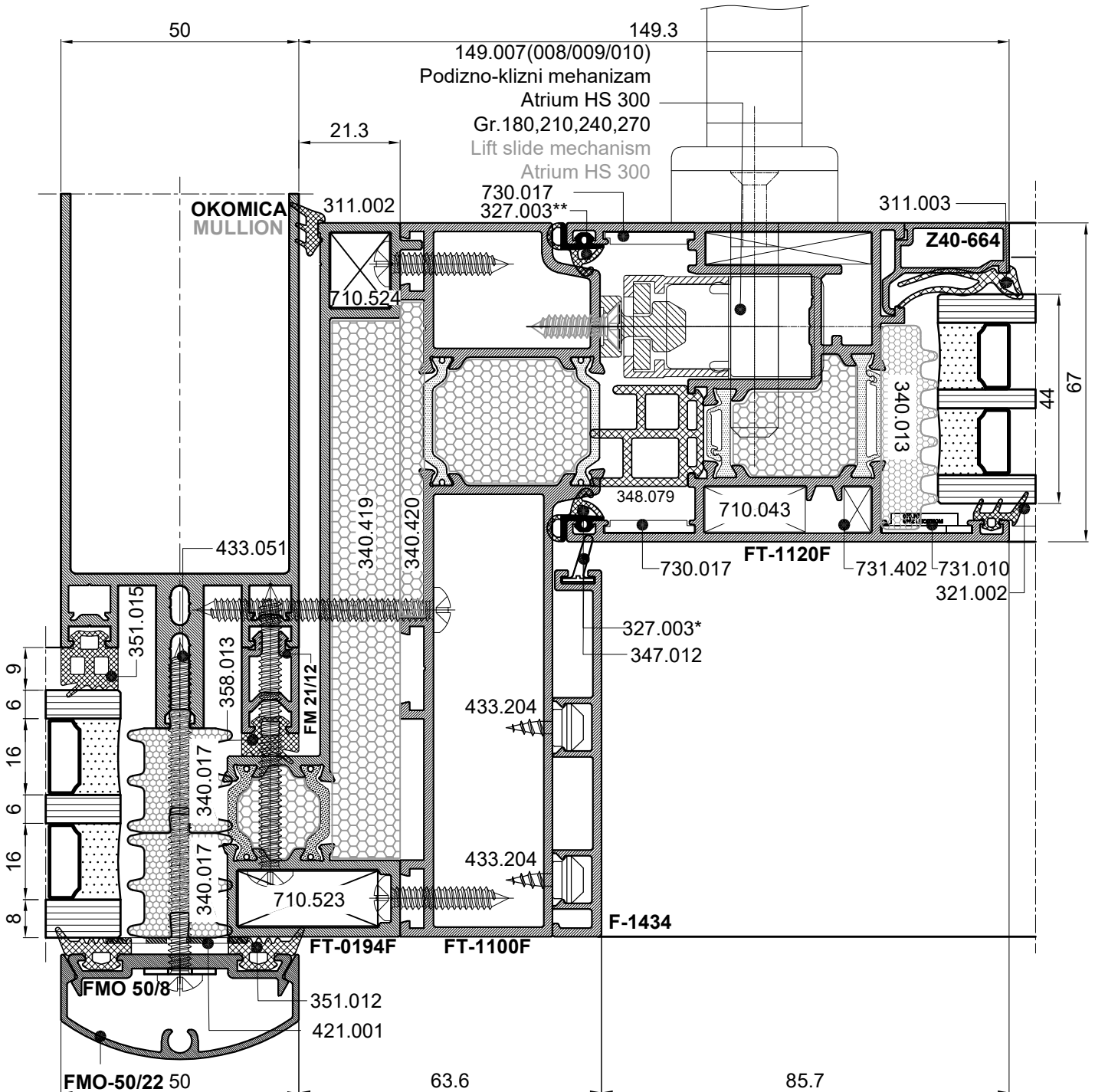
- betonski zid
- hidroizolacija (paropropusna i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Outside CX)
- termoizolacija
- vanjska obrada i završni izgled
- vodilica roletne
- podizno klizna vrata Termo 150 plus
- al profil F-1672(50mm produljenje)
- XPS ispuna
- termoizolacija (exp.spužvica: Iso Chemie: ISO Bloco One)
- parna brana (paro- i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Inside CX)
- unutarnja obrada i završni izgled
- concrete wall
- weather protection (vapourpermeable and water proof tape) (eg. Iso Chemie: Iso-Connect Outside CX)
- thermal insulation
- outside finish
- roller shutter profile
- lift and slide door Termo 150 plus
- al profile F-1672 (50mm extension)
- XPS infill
- thermal insulation (Expanding joint sealing foam tape: Iso Che ISO Bloco One)
- vapour (Air tight) barrier (vapour and water proof tape), (eg. Iso Chemie: Iso-Connect Inside CX)
- inside finish

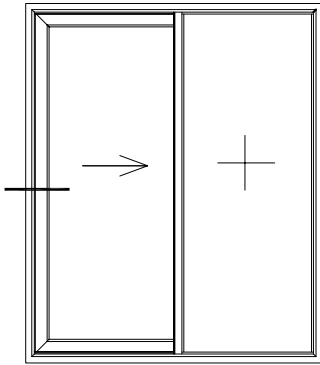




Termo 150 plus u fasadi 50 FK  
Termo 150 plus in the facade 50 FK

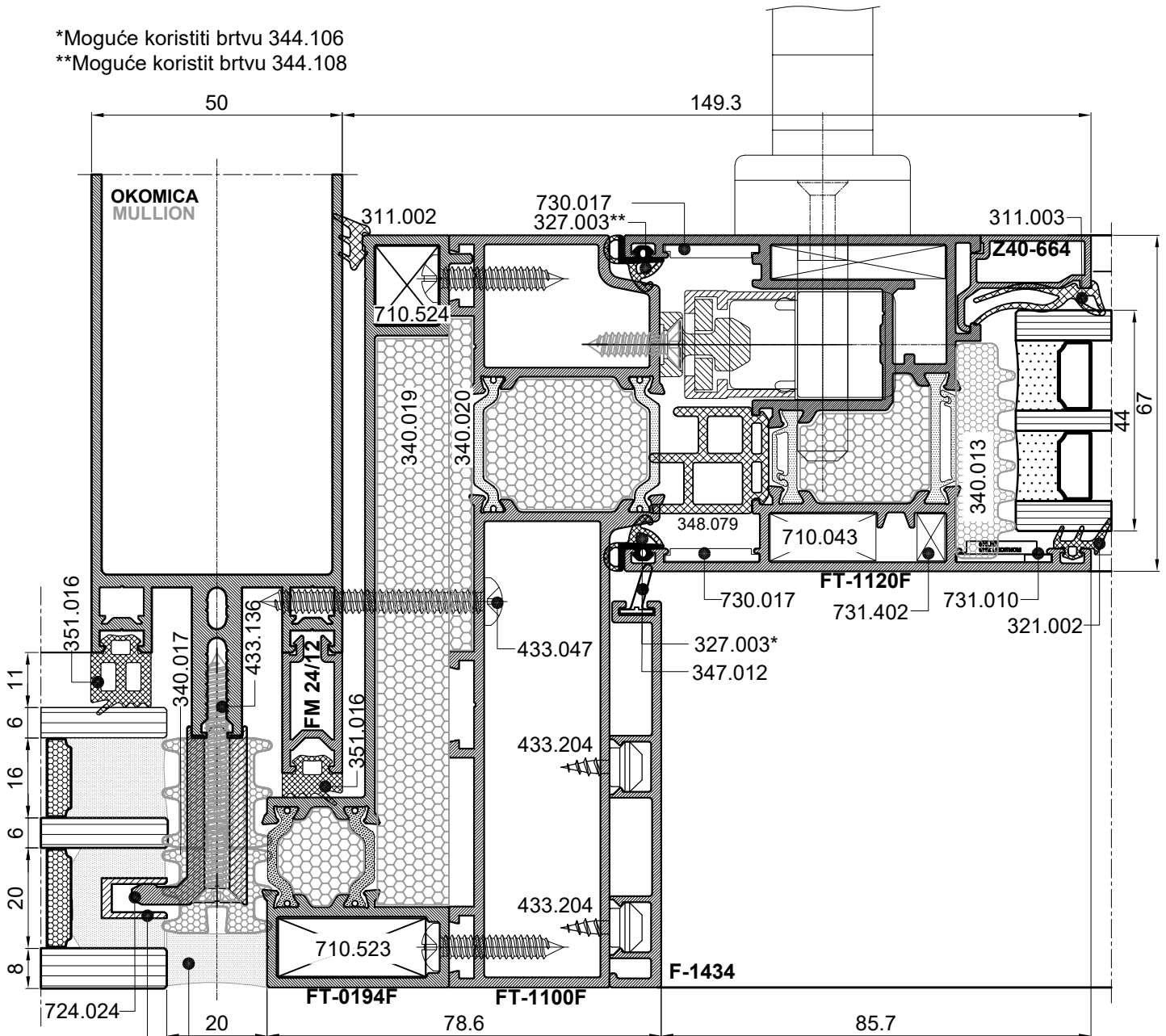
\*Moguće koristiti brtvu 344.106  
\*\*Moguće koristiti brtvu 344.108



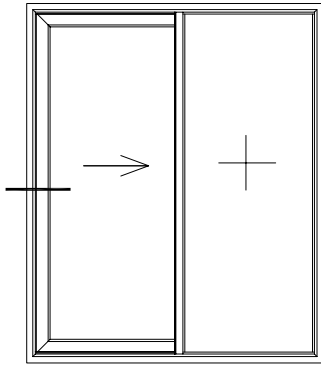


Termo 150 plus u fasadi 50 FS  
Termo 150 plus in the facade 50 FS

\*Moguće koristiti brtvu 344.106  
\*\*Moguće koristiti brtvu 344.108



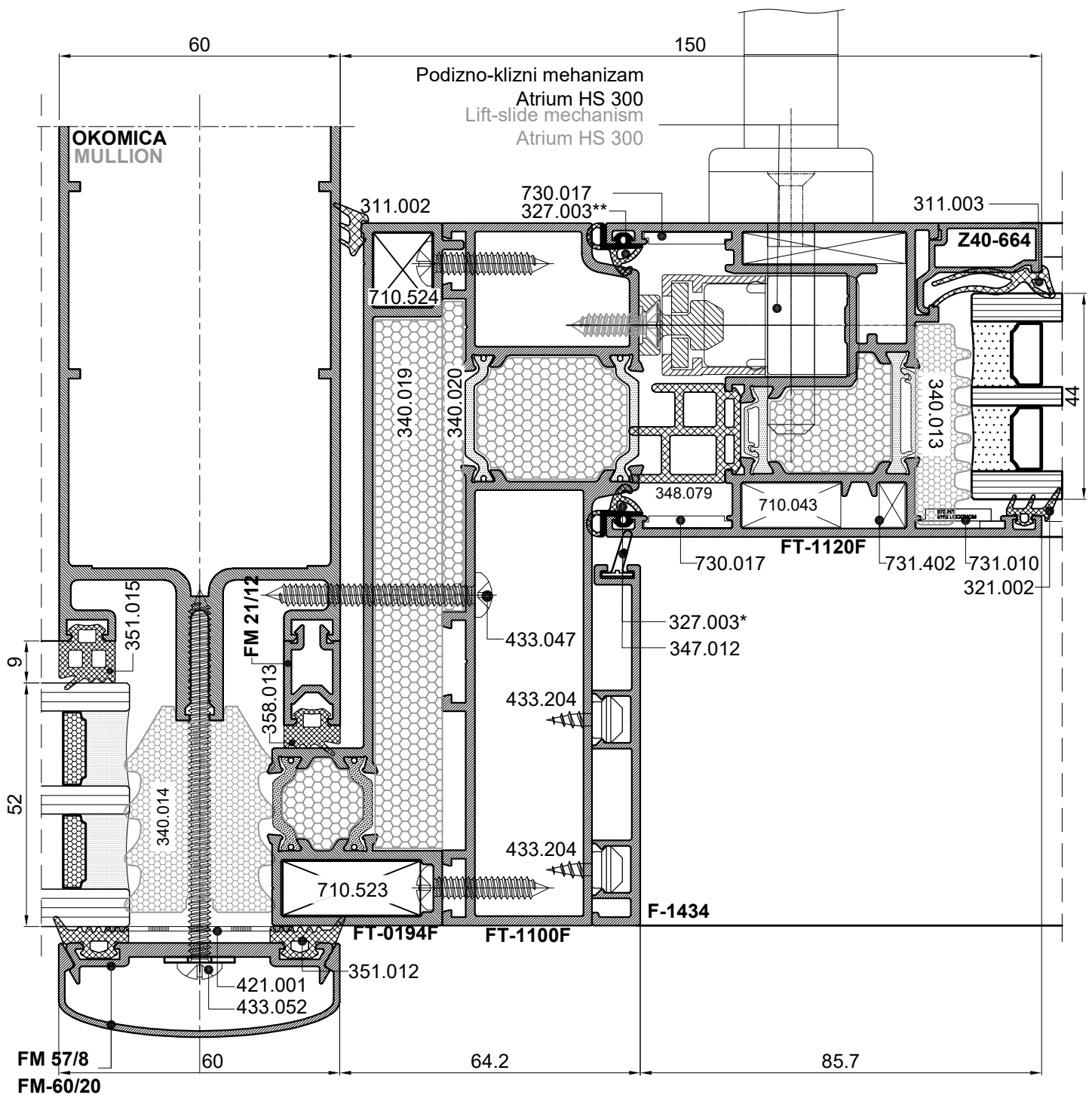
F-0779 (eloxsaža S-10)  
ne starija od 6 mjeseci)  
F-0779 (eloxated no earlier  
than 6 months ago)  
DOW CORNING DC 791  
(jednokompon. 72 sata  
mirovanja)  
DOW CORNING DC 791  
(One component 72 hour  
rest time)

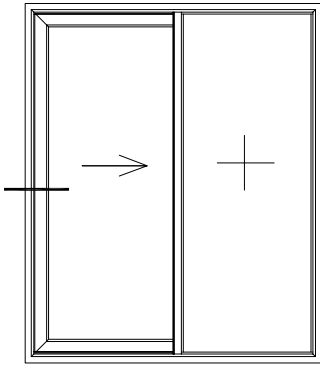


Termo 150 plus u fasadi 60 K  
Termo 150 plus in the facade 60 K

\*Moguće koristiti brtvu 344.106

\*\*Moguće koristiti brtvu 344.108

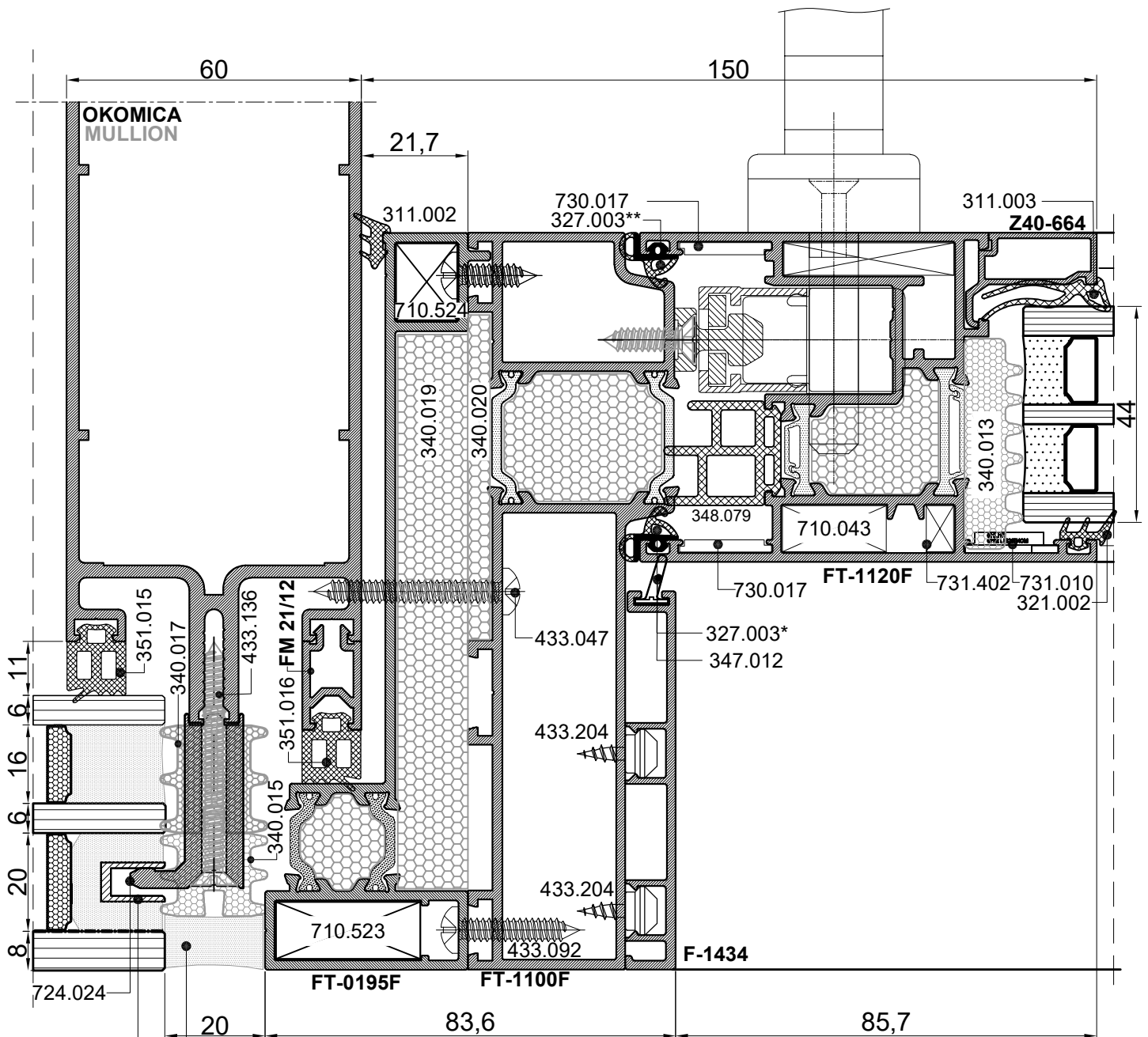




Termo 150 plus u fasadi 60 S+  
Termo 150 plus in the facade 60 S+

\*Moguće koristiti brtvu 344.106

\*\*Moguće koristiti brtvu 344.108



DOW CORNING DC 791 (Jednokomponentni 72 sata mirovanja)

DOW CORNING DC 791 (One component 72 hours rest time)

**F-0779** (eloksaža S-10) ne starija od 6 mjeseci)

**F-0779** (eloxated in S-10 no earlier than 6 months ago)





# FEAL



Skenirajte QR kod i registrirajte se na [partner.feal.ba](https://partner.feal.ba)

*Scan the QR code and register on [partner.feal.ba](https://partner.feal.ba)*

## TERMO 150

Knjiga A / *Book A*

Ožujak 2023 / *March 2023*

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