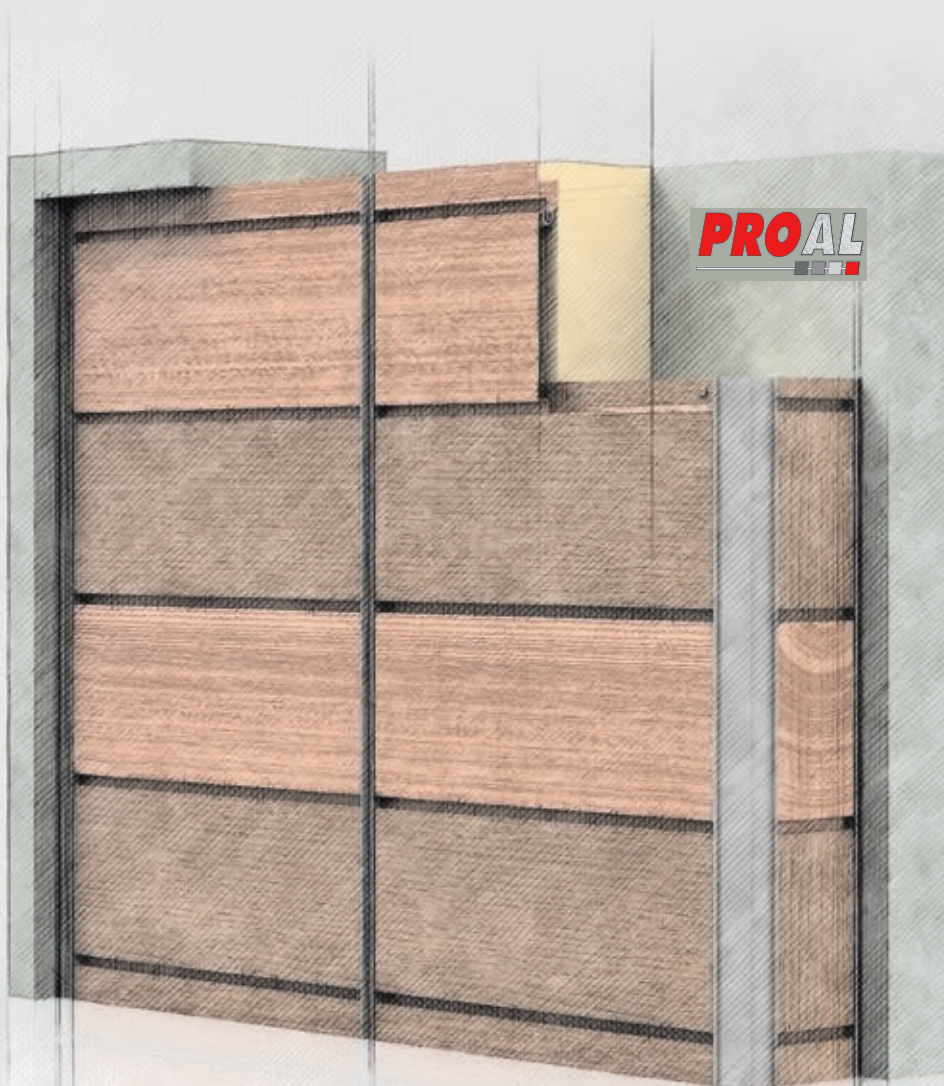




Innovative appearance
on facades



SC72 COTTA TEHNIČKI PREGLED

SC72 COTTA TECHNICAL INDEX

SADRŽAJ / INDEX

TEHNIČKE KARAKTERISTIKE / TECHNICAL PROPERTIES	: 3
TABELA ANALIZE / ANALYZE TABLE	: 4
PREGLED PROFILA / PROFILE INDEX.....	: 8-9
PRIBOR / ACCESSORIES	: 12
PROFILI SISTEMA / SYSTEM PROFILES.....	: 16 - 24
DETALJI SISTEMA / SYSTEM DETAILS	: 28 - 43
MONTAŽA SISTEMA / SYSTEM INSTALLATION	: 46 - 50

Tehnički podaci/Technical Specifications:

- Sistem radi po principu hladne fasade i delimično je izložen atmosferskim uticajima. Zbog toga svi upotrebljeni elementi moraju biti otporni na koroziju.

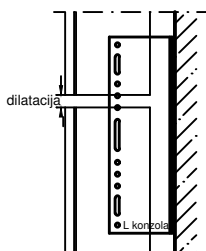
Because the system is designed with the principles of cold facade, it is open to the atmospheric effects. Therefore all the components and accessories must be stainless steel.

- Nakon pričvršćivanja konzola ili pocinkovanih ankera, objekat se oblaže kamenom vunom visoke gustine sa folijom ili penastim pločama. Debljina termoizolacije određuje se prema zahtevanom koeficijentu prolaza toplote objekta.

After positioning of bracket or galvanized anchorages, the building is covered by chosen isolation material (rock wool or styrofoam). The thickness of the isolation material is related with the needed isolation standards of the building.

- Spojevi vertikalnih nosećih profila moraju se nalaziti u nivou međuspratne ploče, kod nosećih konzola ili pocinkovanih ankera. Kao na slici A, profili se u gornjem delu pričvršćuju sa dve ili više zakovica, zavisno od dužine konzole. Donji spojevi izvođe se kroz izdužene otvore kako bi se omogućilo termičko širenje.

The connection part of the mullion profiles must be positioned at the floor level and bring equal to the brackets galvanized anchorages. Profiles on the top side should be positioned by two or more (relatedly with the length of the profile) rivets. Bottom side of the profiles should be connected to the canal hole to maintain the dilatation. (Please see the drawing A)



SLIKA A

- Statički proračun usvaja $W=132 \text{ kg/m}^2$ i $C=1,20$ za objekte visine do 100 m, odnosno $W=156 \text{ kg/m}^2$ za više objekte, uz dva raspona i tri oslonca. Preporučeni razmak ankera za objekte visine do 100 m ne treba da bude veći od $L=1,50 \text{ m}$, a za objekte visine preko 100 m ne treba da bude veći od $L=1,25 \text{ m}$.
- Za objekte više od 20 m pogodan je COTTA profil obloge br. 7632, širine 200 mm.

According to the static calculations $W:132 \text{ kg/m}^2$ $C:1,20$ for the buildings up to 100 m. height, $W:156 \text{ kg/m}^2$ for the buildings higher than 100 m. And calculation have been made considering constance of two spaces and three supports. The distance between anchorages is not recommended for the buildings up to 100 m. More than $L: 1,50 \text{ m}$ and for the buildings higher than 100 m. $L:1,25 \text{ m}$. It is suitable to use cotta profile number 7632 (200 mm) with the buildings higher than 20 m.

- Konzole koje se koriste određuju se na osnovu statičkog proračuna.

Brackets which will be used are decided according to the static calculation.

Radi pravilnog kontinuiteta horizontalnih i vertikalnih fuga, pre pričvršćivanja konzola ili pocinkovanih ankera i postavljanja vertikalnih profila obavezno je mernim instrumentima odrediti visinske kote.

It is a must to determine the levels with measurement devices before fixation of bracket or galvanized anchorages and mullion profiles to continue proper horizontal or verticals.

- Na prozorskim otvorima, pokrivnim i završnim elementima postavlja se hidroizolaciona membrana.

For water isolation it is needed to apply isolation membrane to the window gaps, end and coping of the building.

- Aluminijski profili moraju biti od legure AlMgSi 0,5 F22 (AA 6063-T5).

Aluminium profiles should be AlMgSi 0,5 F 22 (AA6063 - T5)

- Profili se mogu bojiti u željenu boju.

Profiles can be painted to any colour.

Redosled montaže/Application:

1. U nivou međuspratne ploče svakog sprata ankerišu se glavne konzole odgovarajuće veličine ili pocinkovani čelični ankeri. Između dve glavne konzole postavlja se međukonzola. Konzole i ankeri pričvršćuju se dovoljnim brojem čeličnih ili inoks ankera M10x85-110. Glavni ankeri montiraju se pomoću 2 ankera M10, a međuankei pomoću 1 ankera M10.

Suitable sized main brackets or galvanized steel anchorages are fixed to each floor's flooring level. Auxiliary brackets are used between each two main brackets. Bracket and anchorages are fixed to the building with enough number of steel (M10*85-110) dowels or stainless steel dowels. Main anchorages should be fixed with 2 pcs of M10 dowels and auxiliary anchorages should be fixed with 1 pcs of M10 dowels.

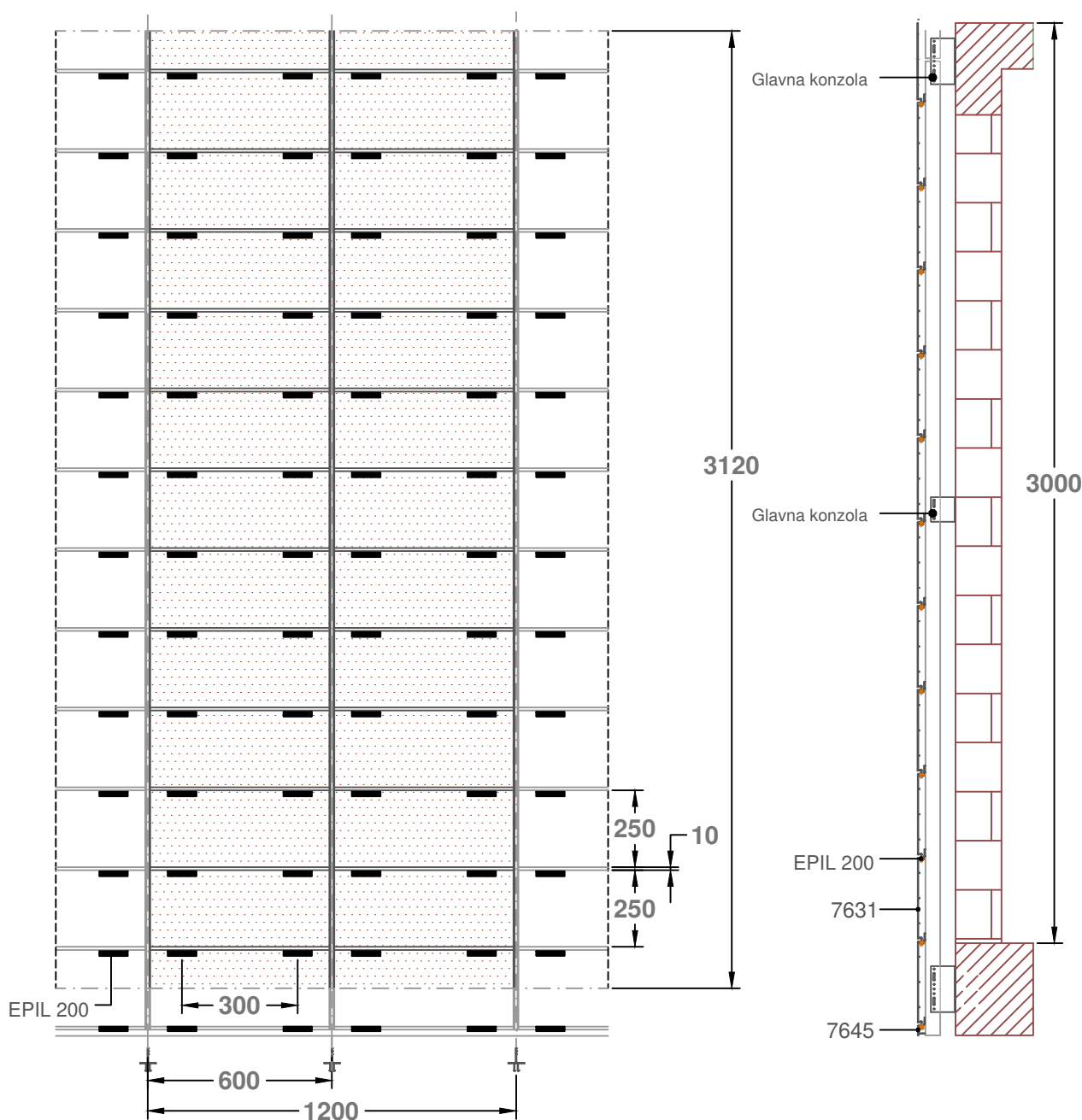
2. Vertikalni profili pričvršćuju se na konzole slepim zakovicama 4,8x15 mm sa širokom glavom, a na pocinkovane ankere inoks vijcima i navrtkama M10x25 mm.

Vertical profiles are fixed to the brackets with 4,8*15mm wide head pop rivets or galvanized anchorages are fixed with M10-25mm stainless steel bolt and nut group.

3. Profili obloge montiraju se odozdo nagore na vertikalne noseće profile samobušecim vijcima 4,2x20 mm. Najveći razmak vijaka iznosi 60 cm.

Pre postavljanja narednog profila obloge, na spojni deo postavlja se zaptivka EPIL 200. Radi provetranja fasade i zvučne izolacije, zaptivke EPIL 200 postavljaju se u komadima dužine približno 8 cm, na razmacima od 30 cm, sa početkom i završetkom 50 mm od krajeva profila.

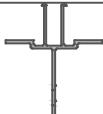
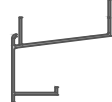
Cotta profiles are fixed to the mullion profiles using 4,2-20mm drill screws. Cotta profiles should be fixed (screwed) maximum once with every 60 cm. Epil 200 gaskets should be applied to the knob of the cotta profiles before fixation of them. Epil 200 gaskets should be used for cotta profiles approximately 8 cm long, one side to another, one with every 30 cm, also beginning and end of the profile with 50 mm innerside.



PROAL COTTA PRIMER ANALIZE			
(za 1,20 m x 3,12 m = 3,744 m ²) (1 m ² = 7,72 kg)			
Vrsta materijala	Jedinica	Količina	Ukupno
7601 Vertikalni profil	0,870 kg/m	6,240 m (3,12 m x 2 kom.)	5,43 kg
7631 COTTA 250 mm	1,670 kg/m	14,064 m (0,586 m x 24 kom.)	23,49 kg
80x150 Glavna konzola	3 kom.	1 kom.	3 kom.
80x80 Međukonzola	3 kom.	1 kom.	3 kom.
Epil 200	2 kom.	24 kom.	48 kom.
4,8x15 mm	3x3=9 kom. (glavna konzola)	9 kom.+3 kom.	12 kom.
Slepa zakovica sa širokom glavom	3x1=3 kom. (međukonzola)		
Čelični anker (inoks)	3x2=6 kom. (glavna konzola)	9 kom.+3 kom.	12 kom.
	3x1=3 kom. (međukonzola)		



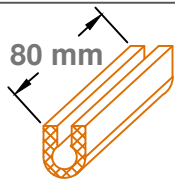
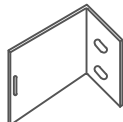
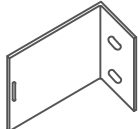
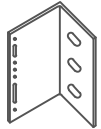
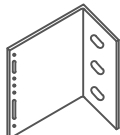
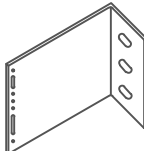
SC72 COTTA PREGLED PROFILA
SC72 COTTA PROFILES INDEX

BROJ PROFILA PROFILE NO.	OPIS DESCRIPTION	CRTEŽ DRAWING	STRANA PAGE
7601	NOSEĆI PROFIL MULLION PROFILE		16
7857	NOSEĆI PROFIL MULLION PROFILE		16
7124	NOSEĆI PROFIL MULLION PROFILE		16
7635	UGAONI SPOJNI PROFIL ANGLE CORNER PROFILE		17
7636	UGAONI SPOJNI PROFIL ANGLE CORNER PROFILE		17
7774	UGAONI SPOJNI PROFIL ANGLE CORNER PROFILE		18
7775	UGAONI SPOJNI PROFIL ANGLE CORNER PROFILE		18
1306	L NOSEĆI PROFIL L MULLION PROFILE		18
12193	DONJI ZAVRŠNI PROFIL 90° 90° FINISHING PROFILE		19
7645	DONJI ZAVRŠNI PROFIL FINISHING PROFILE		19
12192	DONJI ZAVRŠNI PROFIL FINISHING PROFILE		19
8270	PODESIVI GORNJI ZAVRŠNI PROFIL ADJUSTABLE TOP FINISHING PROFILE		20
8269	PODESIVI GORNJI ZAVRŠNI PROFIL ADJUSTABLE TOP FINISHING PROFILE		20
11856	UGAONI PROFIL 90° 90° CORNER PROFILE		21
11857	UGAONI PROFIL 90° 90° CORNER PROFILE		21

BROJ PROFILA PROFILE NO.	OPIS DESCRIPTION	CRTEŽ DRAWING	STRANA PAGE
20833	COTTA PROFIL 140 mm 140 mm COTTA PROFILE		22
11064	COTTA PROFIL 140 mm 140 mm COTTA PROFILE		22
7600	COTTA PROFIL 150 mm 150 mm COTTA PROFILE		22
7632	COTTA PROFIL 200 mm 200 mm COTTA PROFILE		22
7633	COTTA PROFIL 225 mm 225 mm COTTA PROFILE		23
7631	COTTA PROFIL 250 mm 250 mm COTTA PROFILE		23
7634	COTTA PROFIL SA FUGOM 250 mm 250 mm COTTA PROFILE WITH FUGE		23
20834	POKLOPNI PROFIL 20833 20833 COVER PROFILE		18
3958	PROFIL ZA KOMPOZITNI PANEL COMPOSITE PROFILE		19
4747	L KONZOLA 54X80 mm L BRACKET 54X80 mm PROFILE		24
4748	L KONZOLA 54X120 mm L BRACKET 54X120 mm PROFILE		24
4749	L KONZOLA 54X160 mm L BRACKET 54X160 mm PROFILE		24

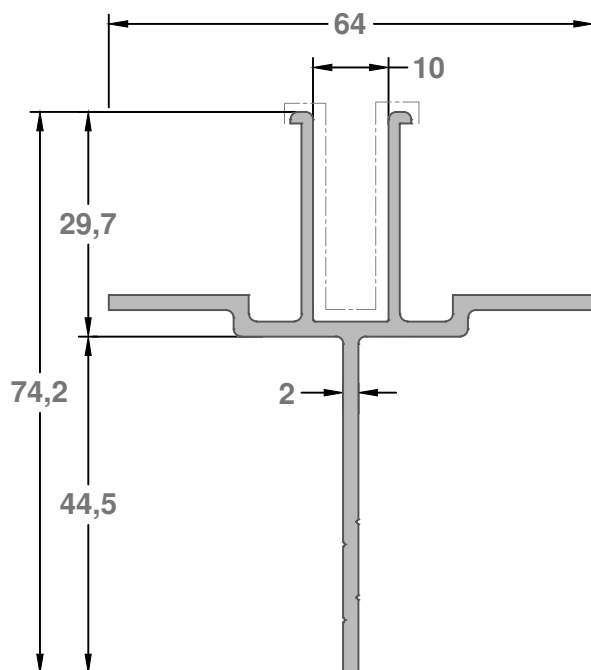


**SC72 PROAL COTTA ALUMINIJUM
ZAPTIVKE I PRIBOR ZA FASADNE OBLOGE**
SC72 PROAL COTTA ALUMINIUM FACADE
CLADDING GASKETS AND ACCESSORIES

ŠIFRA PRIBORA ACCESSORY CODE	OPIS MATERIJALA DESCRIPTION	CRTEŽ DRAWING	MATERIJAL MATERIAL
EPIL 200	U ZAPTIVKA (RAZMAK 300 m) / U GASKET KOLIČINA U PAKOVANJU / PACKAGE QUANTITY: 250 m / paket		EPDM EPDM
SC 526 80	L MEĐUKONZOLA 80/80 / L INTERMEDIATE BRACKET 80/80 KOLIČINA U PAKOVANJU / PACKAGE QUANTITY: PO ZAHTEVU KOMADA PO ZAHTEVU		ALUMINIJUM ALUMINIUM
SC 527 80	L MEĐUKONZOLA 120/80 / L INTERMEDIATE BRACKET 120/80 KOLIČINA U PAKOVANJU / PACKAGE QUANTITY: PO ZAHTEVU KOMADA PO ZAHTEVU		ALUMINIJUM ALUMINIUM
SC 528 80	L MEĐUKONZOLA 160/80 / L INTERMEDIATE BRACKET 160/80 KOLIČINA U PAKOVANJU / PACKAGE QUANTITY: PO ZAHTEVU KOMADA PO ZAHTEVU		ALUMINIJUM ALUMINIUM
SC 526 150	L MEĐUKONZOLA 80/150 / L INTERMEDIATE BRACKET 80/150 KOLIČINA U PAKOVANJU / PACKAGE QUANTITY: PO ZAHTEVU KOMADA PO ZAHTEVU		ALUMINIJUM ALUMINIUM
SC 527 150	L MEĐUKONZOLA 120/150 / L INTERMEDIATE BRACKET 120/150 KOLIČINA U PAKOVANJU / PACKAGE QUANTITY: PO ZAHTEVU KOMADA PO ZAHTEVU		ALUMINIJUM ALUMINIUM
SC 528 150	L MEĐUKONZOLA 160/150 / L INTERMEDIATE BRACKET 160/150 KOLIČINA U PAKOVANJU / PACKAGE QUANTITY: PO ZAHTEVU KOMADA PO ZAHTEVU		ALUMINIJUM ALUMINIUM



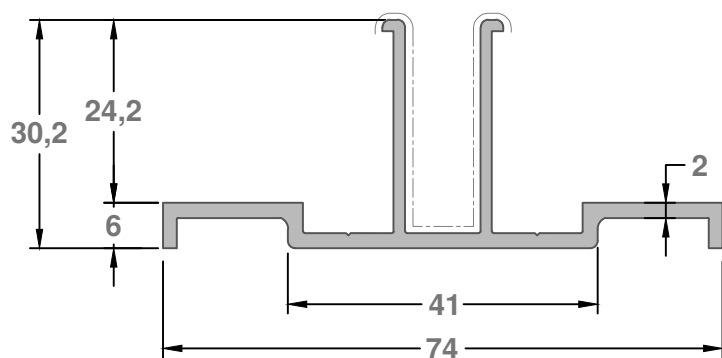
SC72 PROAL COTTA ALUMINIJUM
PROFILI SISTEMA FASADNIH OBLOGA
SC72 PROAL COTTA ALUMINIUM
FACADE CLADDING SYSTEMS PROFILES



PRF 7601

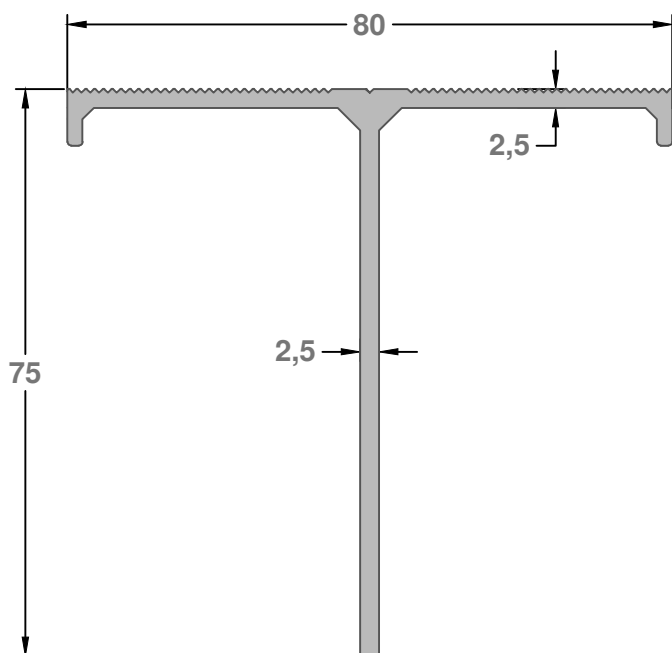
JX (cm) ⁴		JY (cm) ⁴
8,92		4,97

MASA / WEIGHT
(KG/M)
0,870



PRF 7857

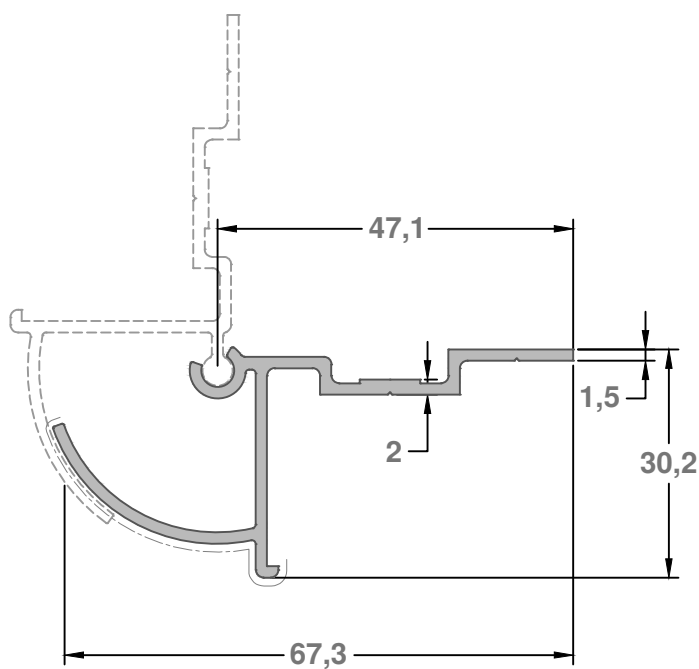
MASA / WEIGHT
(KG/M.)
0,730



PRF 7124

JX (cm) ⁴		JY (cm) ⁴
21,44		13,10

MASA / WEIGHT
(KG/M)
1,090

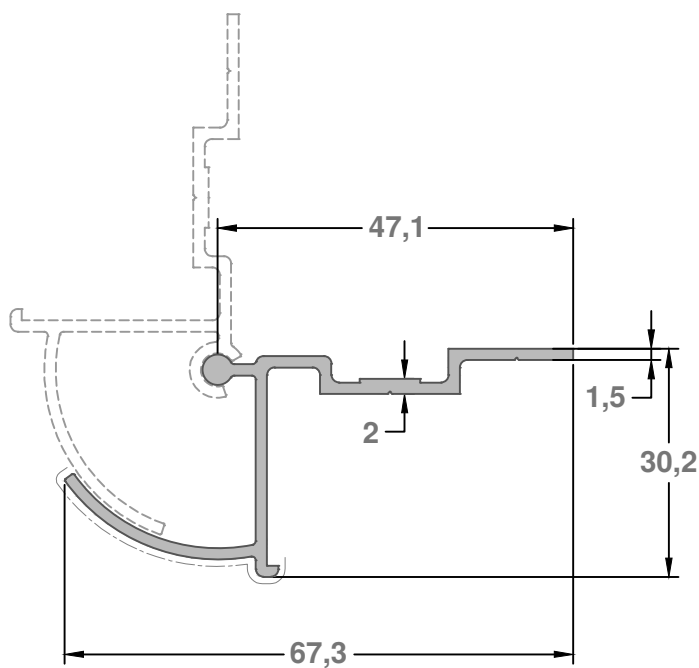


PRF 7635

MASA / WEIGHT

(KG/M.)

0,535

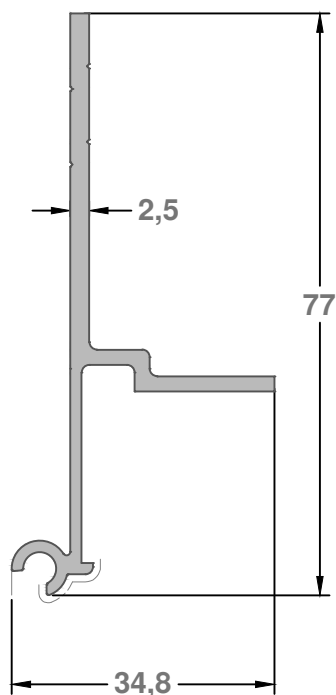


PRF 7636

MASA / WEIGHT

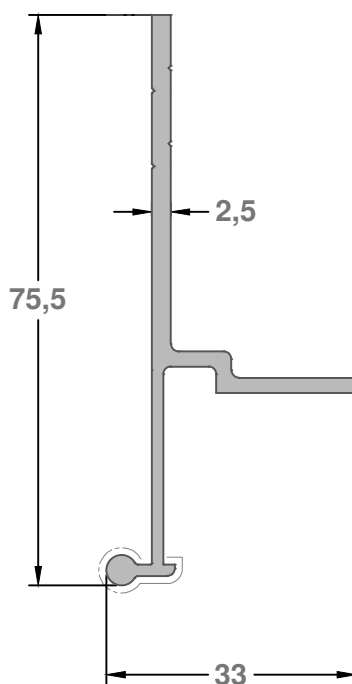
(KG/M.)

0,505



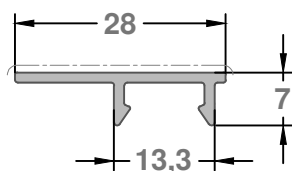
PRF 7774

MASA / WEIGHT
(KG/M.)
0,650



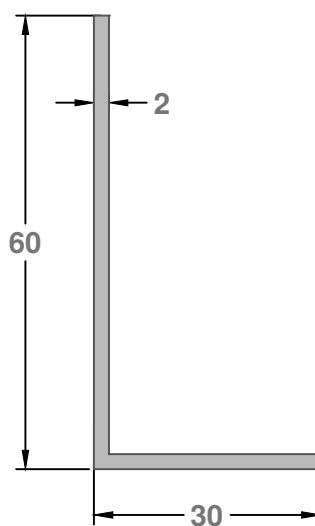
PRF 7775

MASA / WEIGHT
(KG/M.)
0,635



PRF 20834

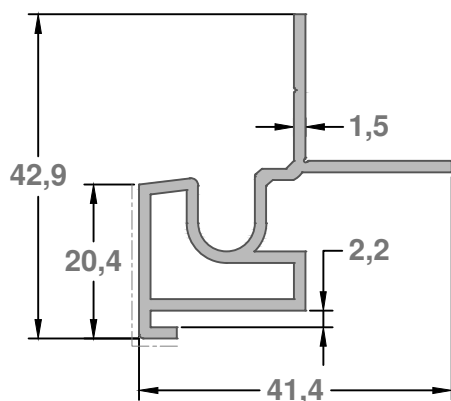
MASA / WEIGHT
(KG/M.)
0,141



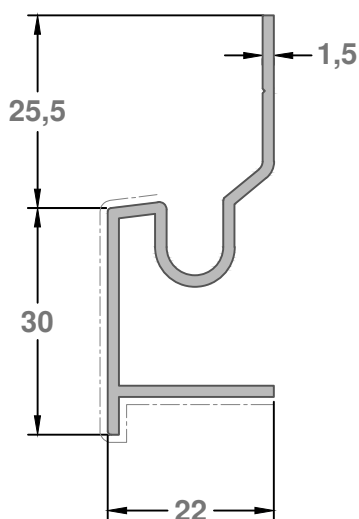
PRF 1306

JX (cm) ⁴	$\begin{matrix} y \\ x \end{matrix}$	JY (cm) ⁴
7,27		0,77

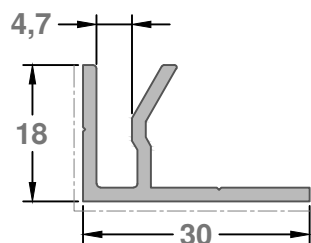
MASA / WEIGHT
(KG/M)
0,480



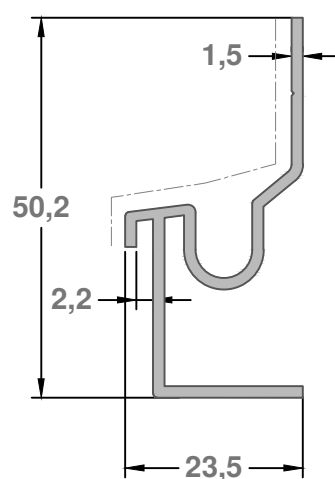
PRF 12193
MASA / WEIGHT
(KG/M.)
0,545



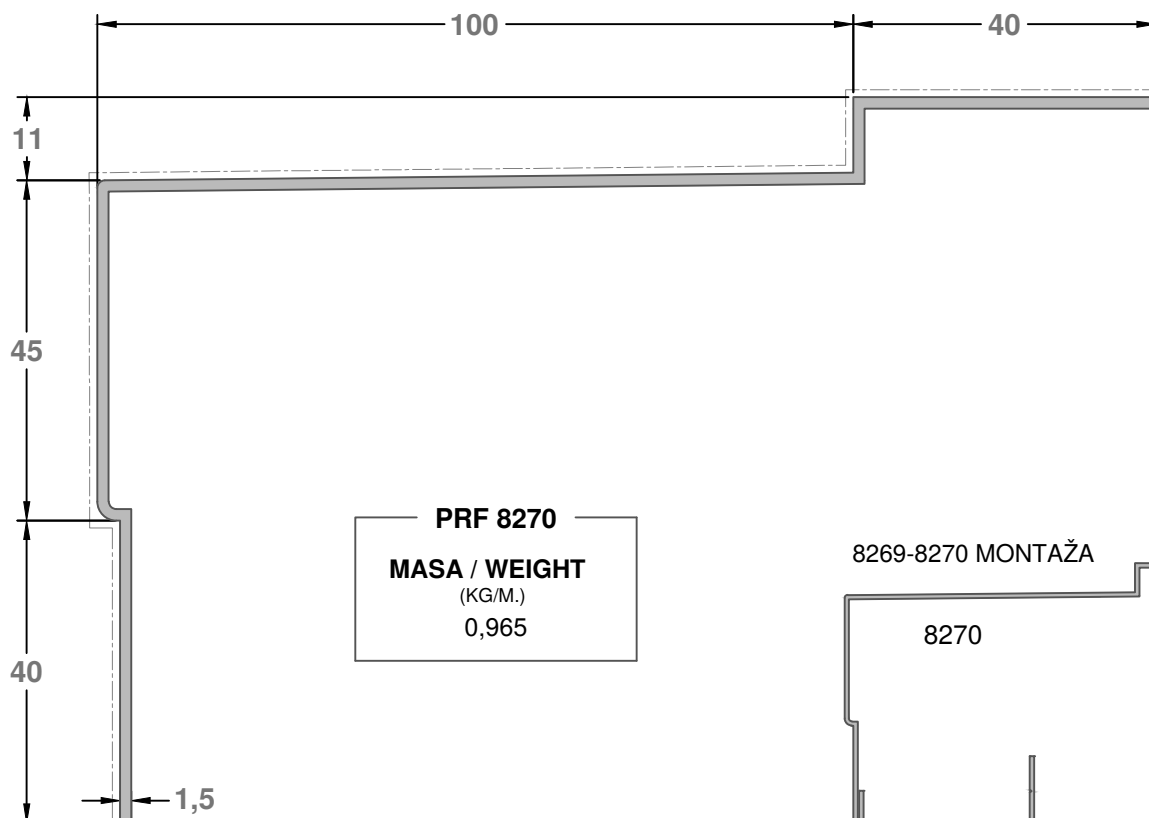
PRF 7645
MASA / WEIGHT
(KG/M.)
0,450



PRF 3958
MASA / WEIGHT
(KG/M.)
0,245

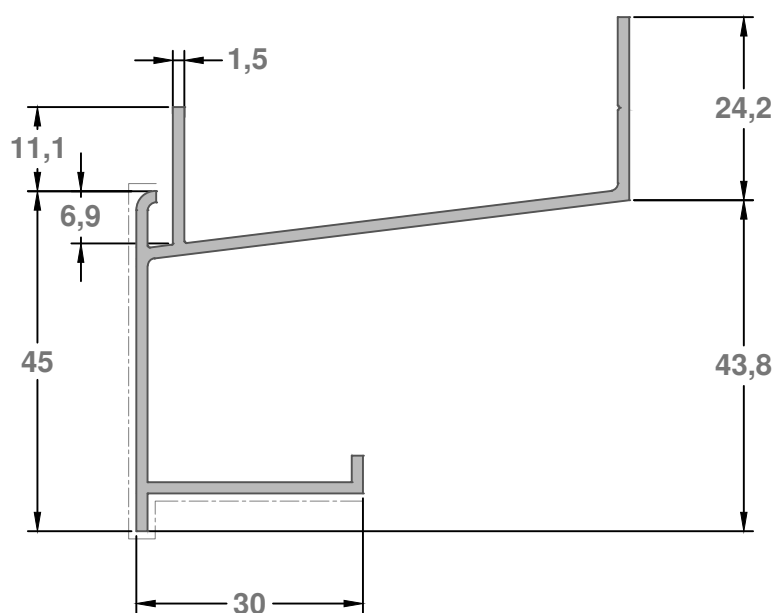
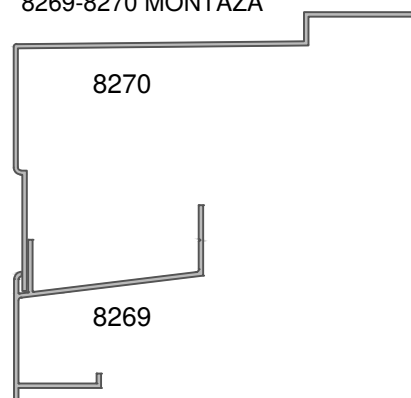


PRF 12192
MASA / WEIGHT
(KG/M.)
0,430

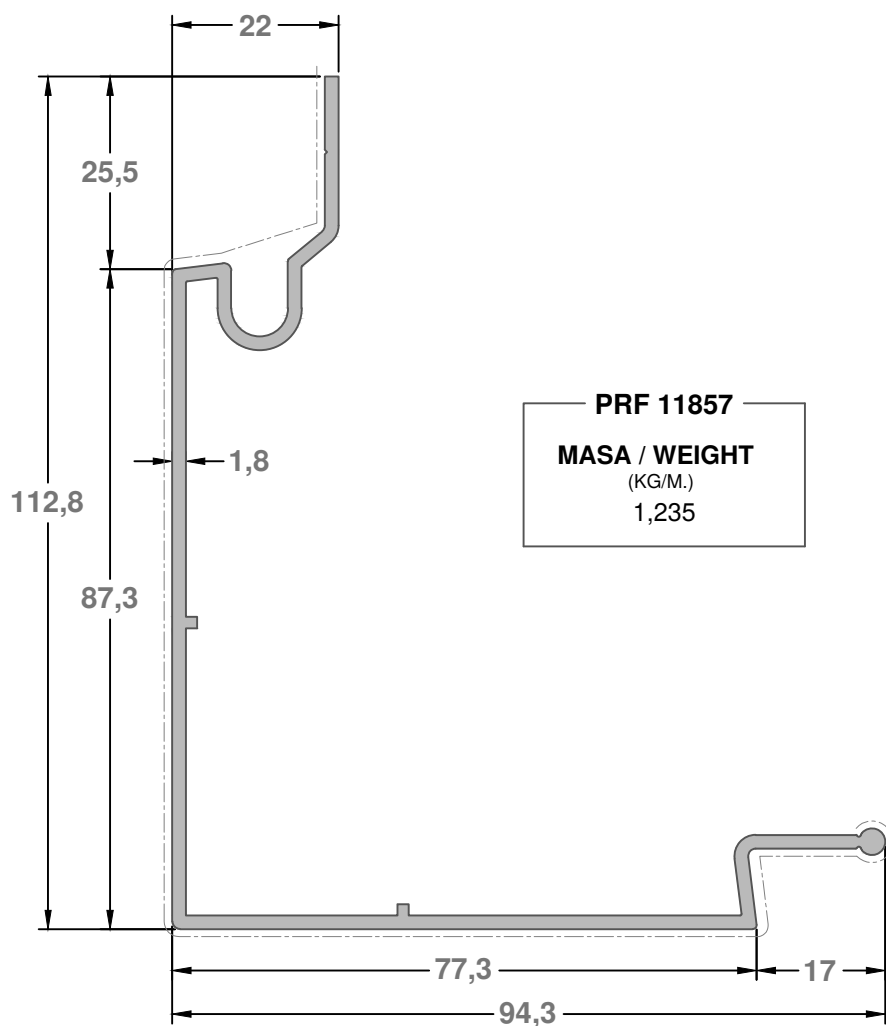
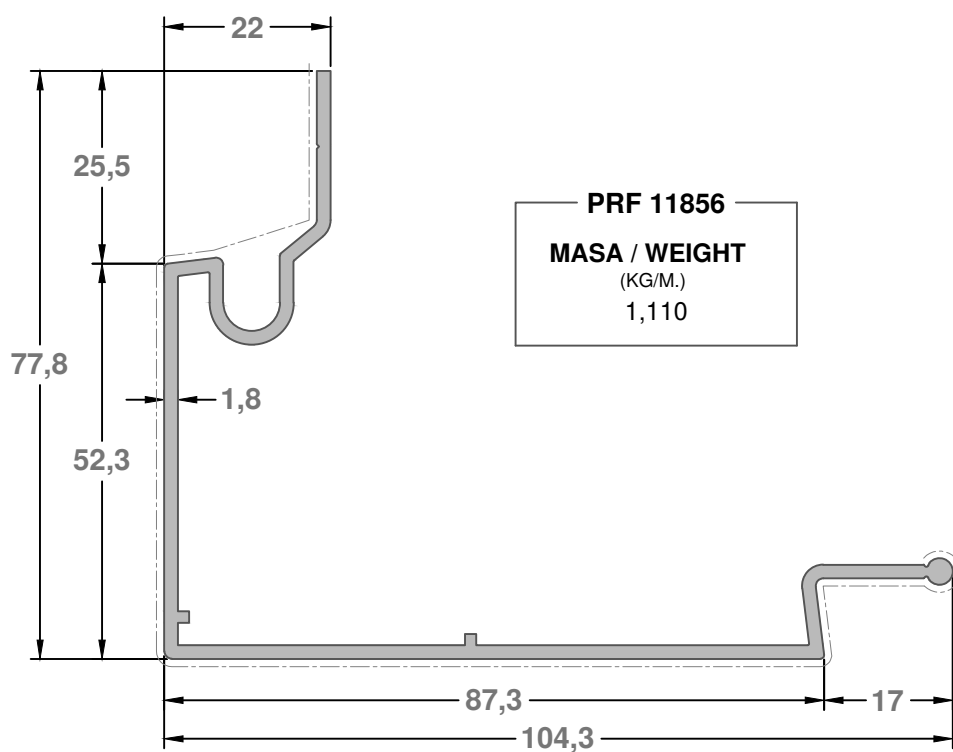


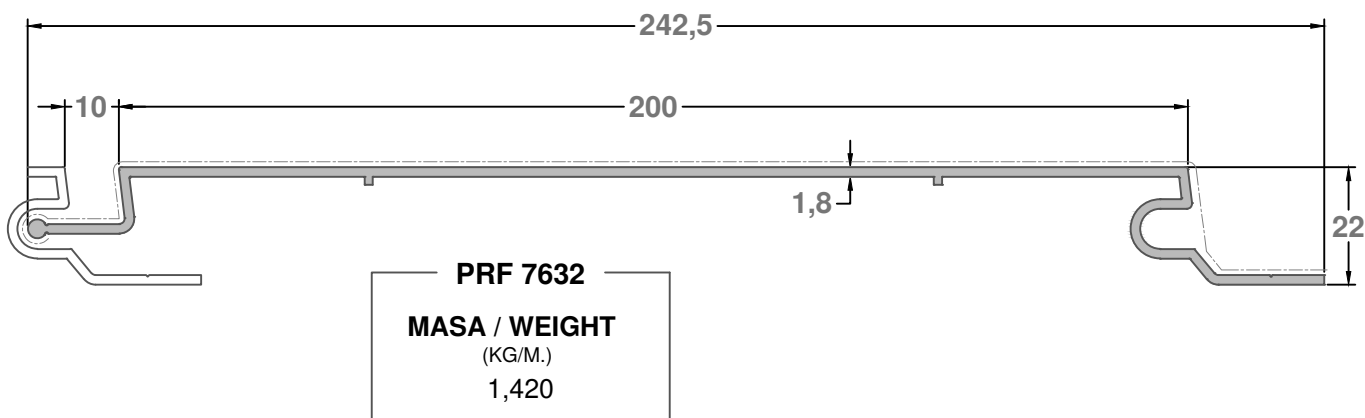
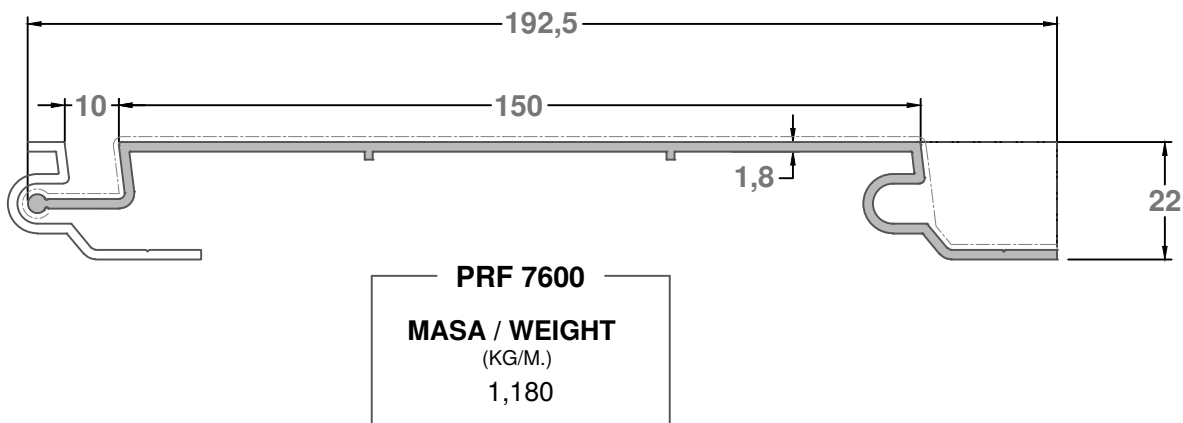
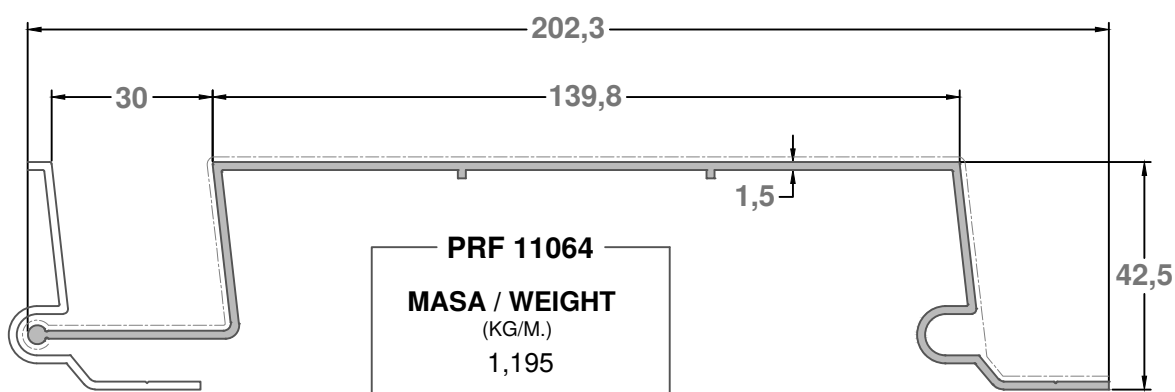
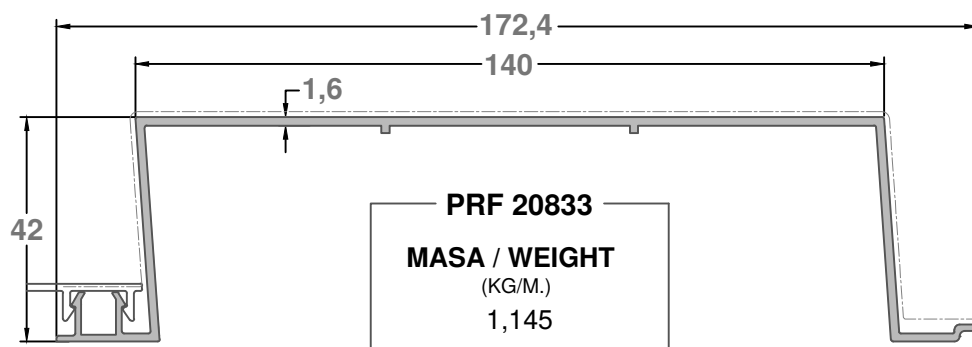
PRF 8270
MASA / WEIGHT
(KG/M.)
0,965

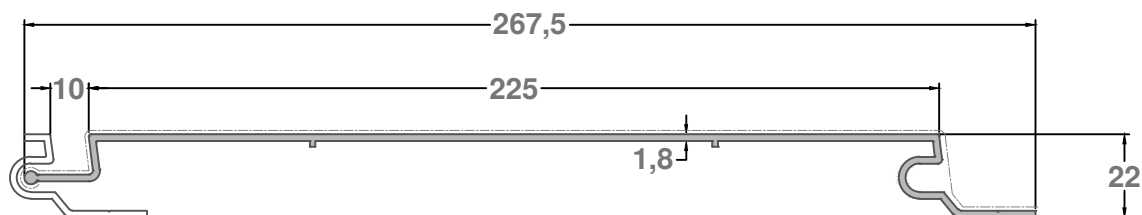
8269-8270 MONTAŽA



PRF 8269
MASA / WEIGHT
(KG/M.)
0,750

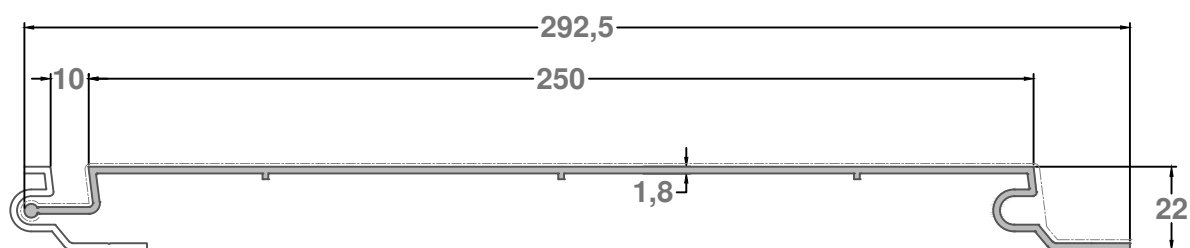






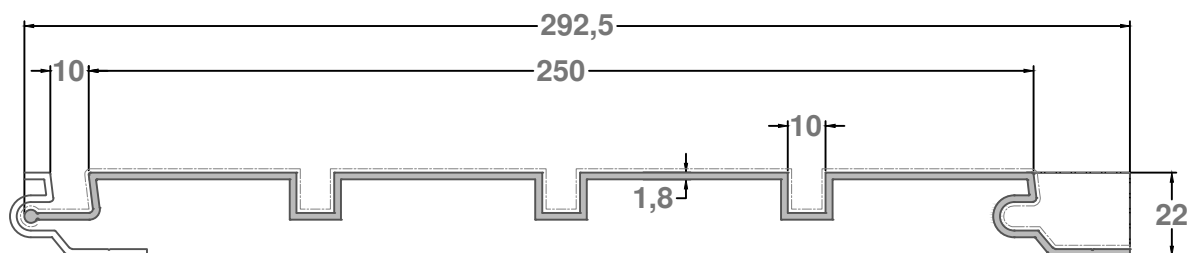
PRF 7633

MASA / WEIGHT
(KG/M.)
1,545



PRF 7631

MASA / WEIGHT
(KG/M.)
1,670

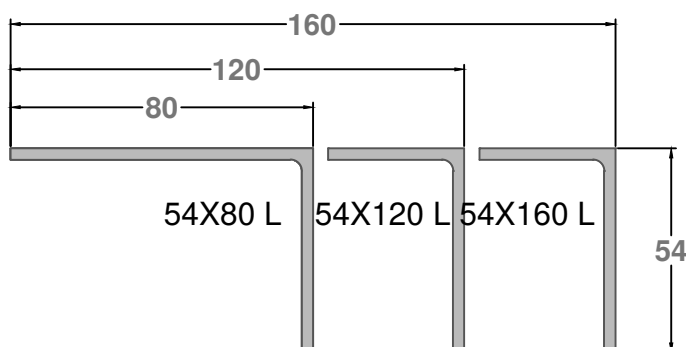


PRF 7634

MASA / WEIGHT
(KG/M.)
1,965

L KONZOLE

L BRACKETS



PRF 4747

MASA / WEIGHT

(KG/M.)

1,075

PRF 4748

MASA / WEIGHT

(KG/M.)

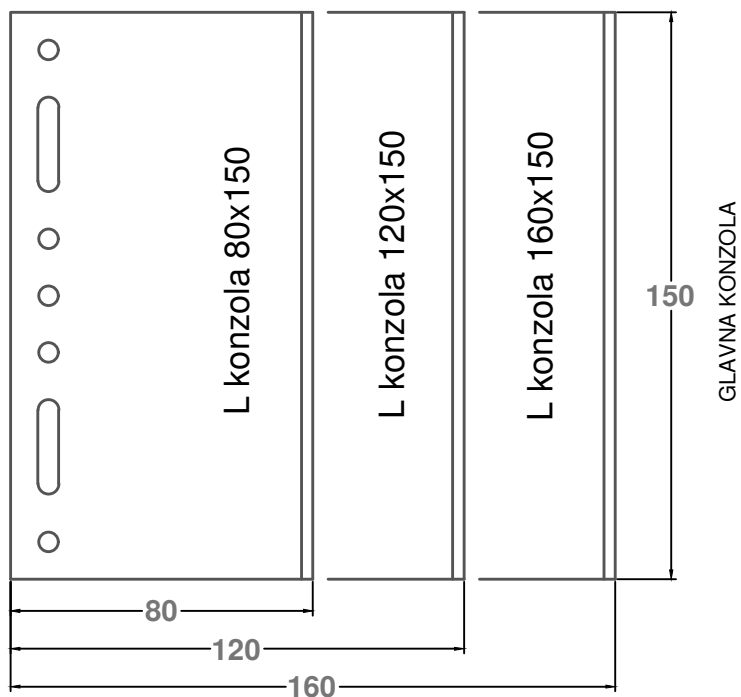
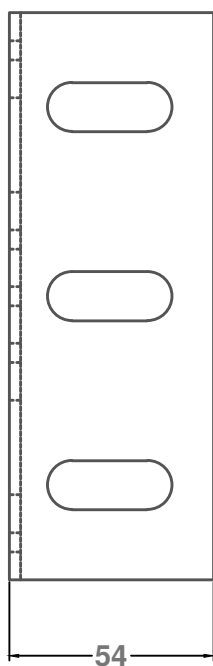
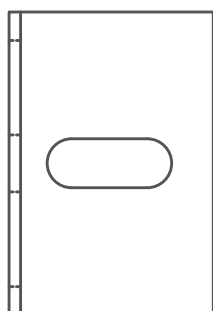
1,400

PRF 4749

MASA / WEIGHT

(KG/M.)

1,725



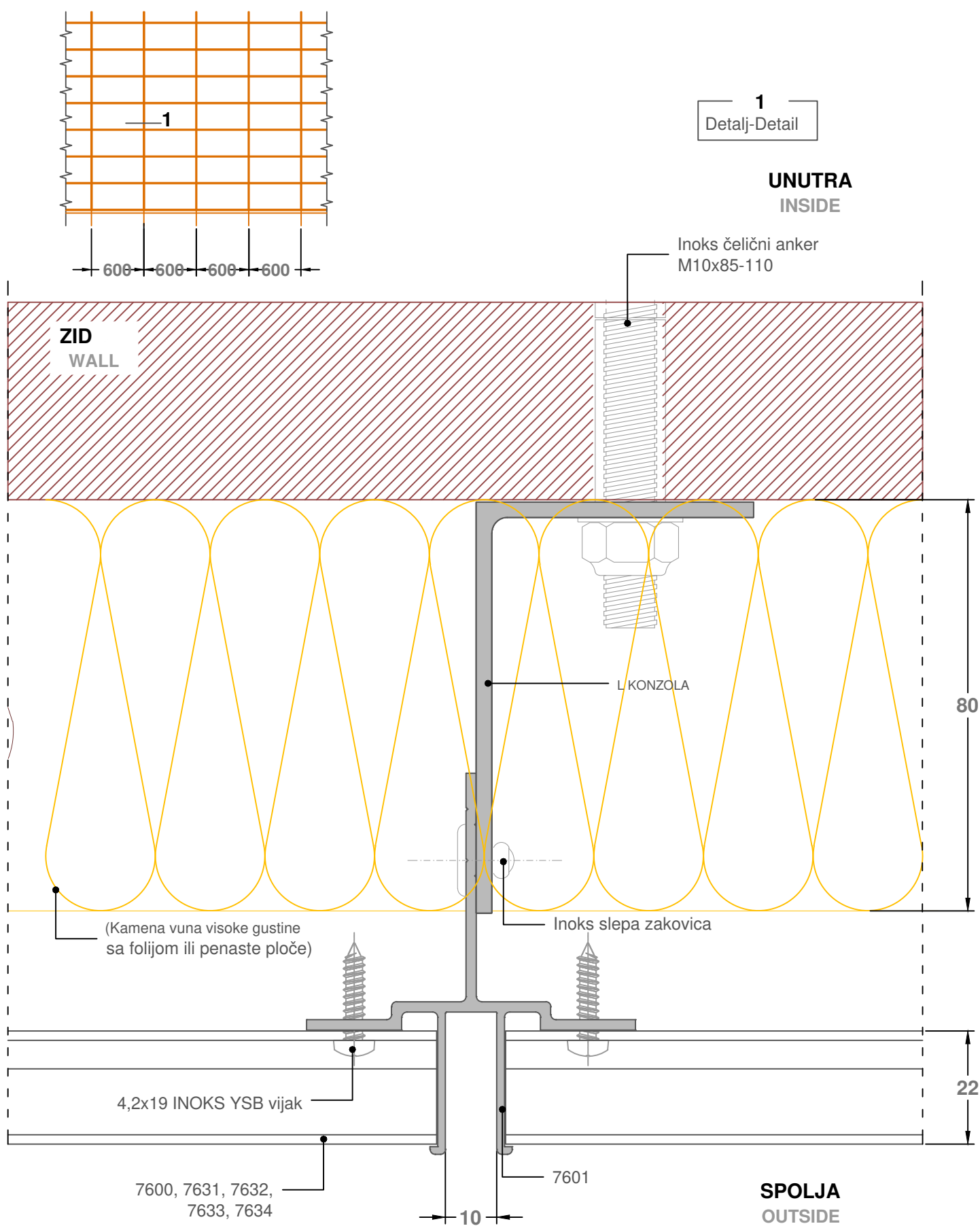
BOČNI POGLED

POGLED SPREDA

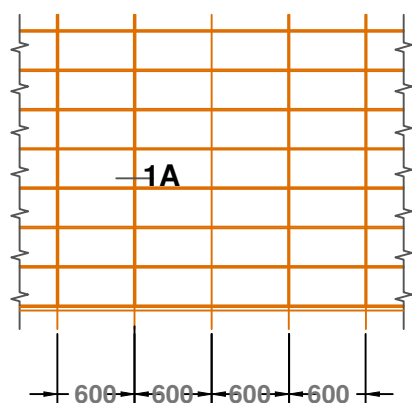


**SC72 PROAL COTTA ALUMINIJUM
DETALJI FASADNIH OBLOGA**

**SC72 PROAL COTTA ALUMINIUM
FACADE CLADDING DETAILS**

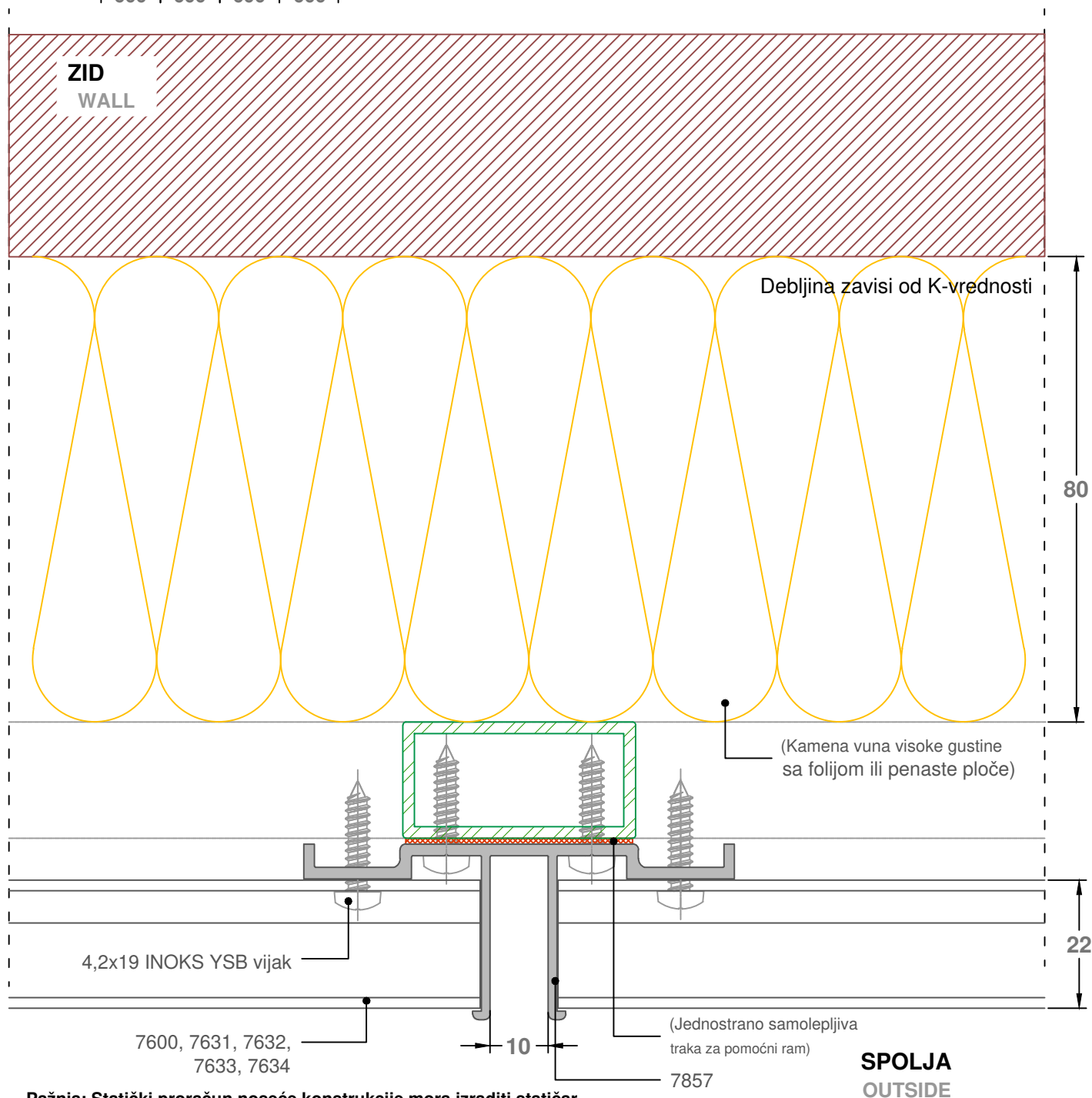


SISTEM SA ČELIČNOM KONSTRUKCIJOM
STEEL CONSTRUCTION SYSTEM

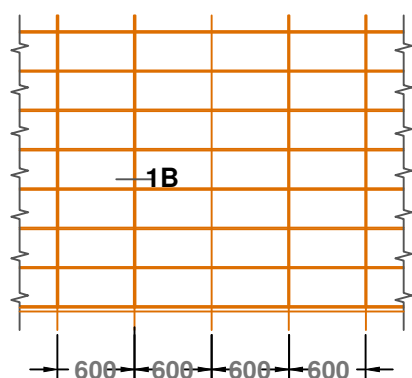


1A
Detalj-Detail

UNUTRA
INSIDE



Pažnja: Statički proračun noseće konstrukcije mora izraditi statičar.
Attention : System carrier calculation must be done by the statician.



1B
Detalj-Detail

UNUTRA
INSIDE

Inoks čelični anker
M10x85-110

ZID
WALL

L KONZOLA

Inoks slepa zakovica

Debljina zavisi od K-vrednosti

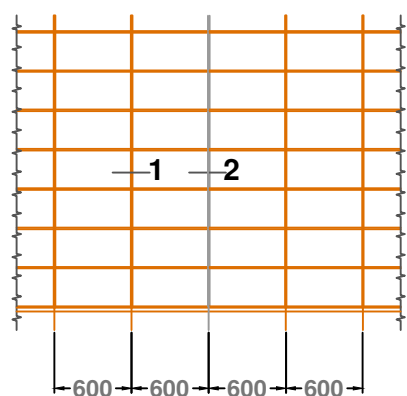
(Kamena vuna visoke gustine
sa folijom ili penaste ploče)

7124

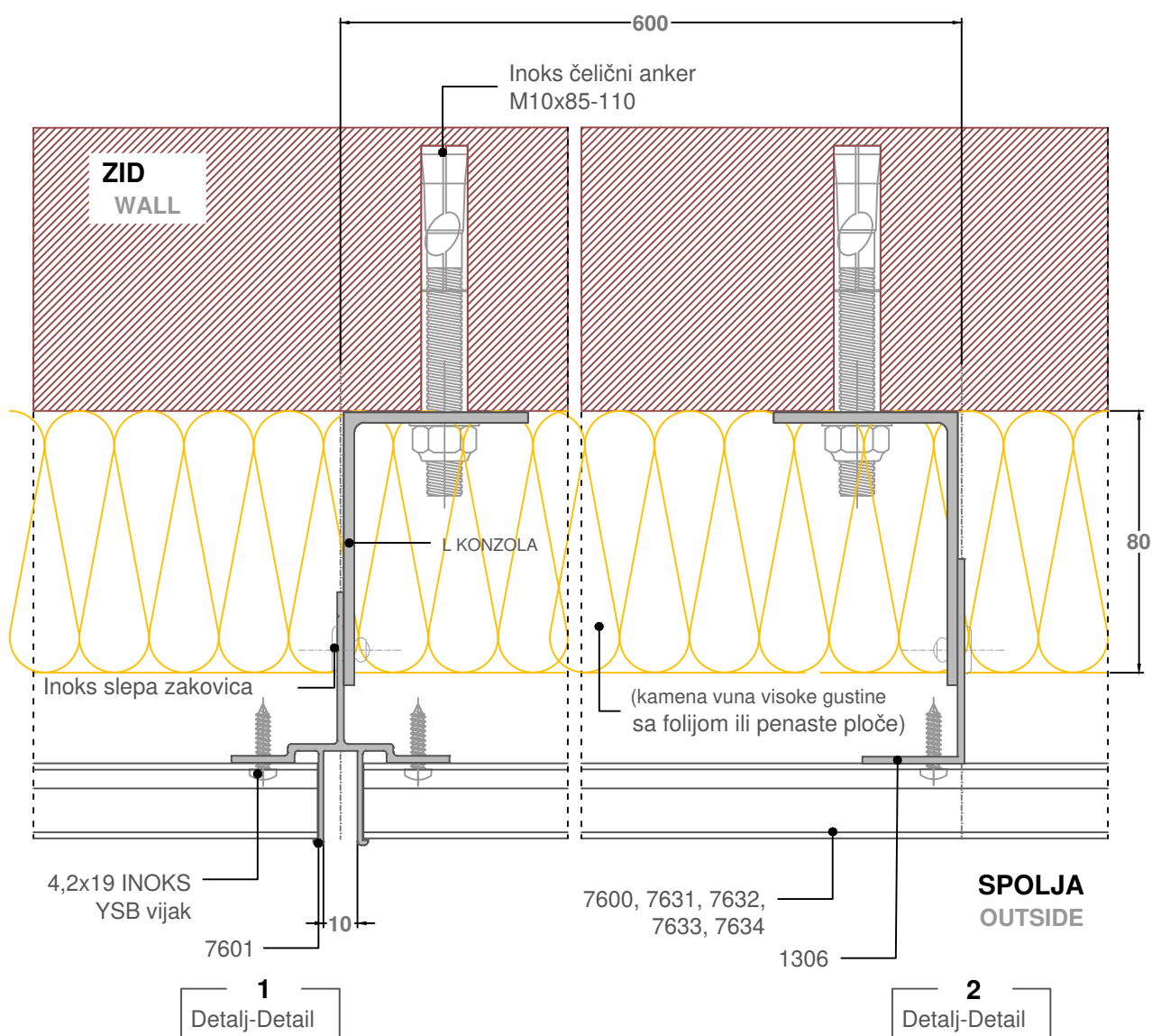
4,2x19 INOKS YSB vijak

20833

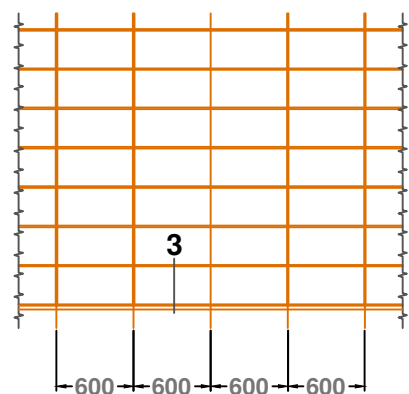
SPOLJA
OUTSIDE



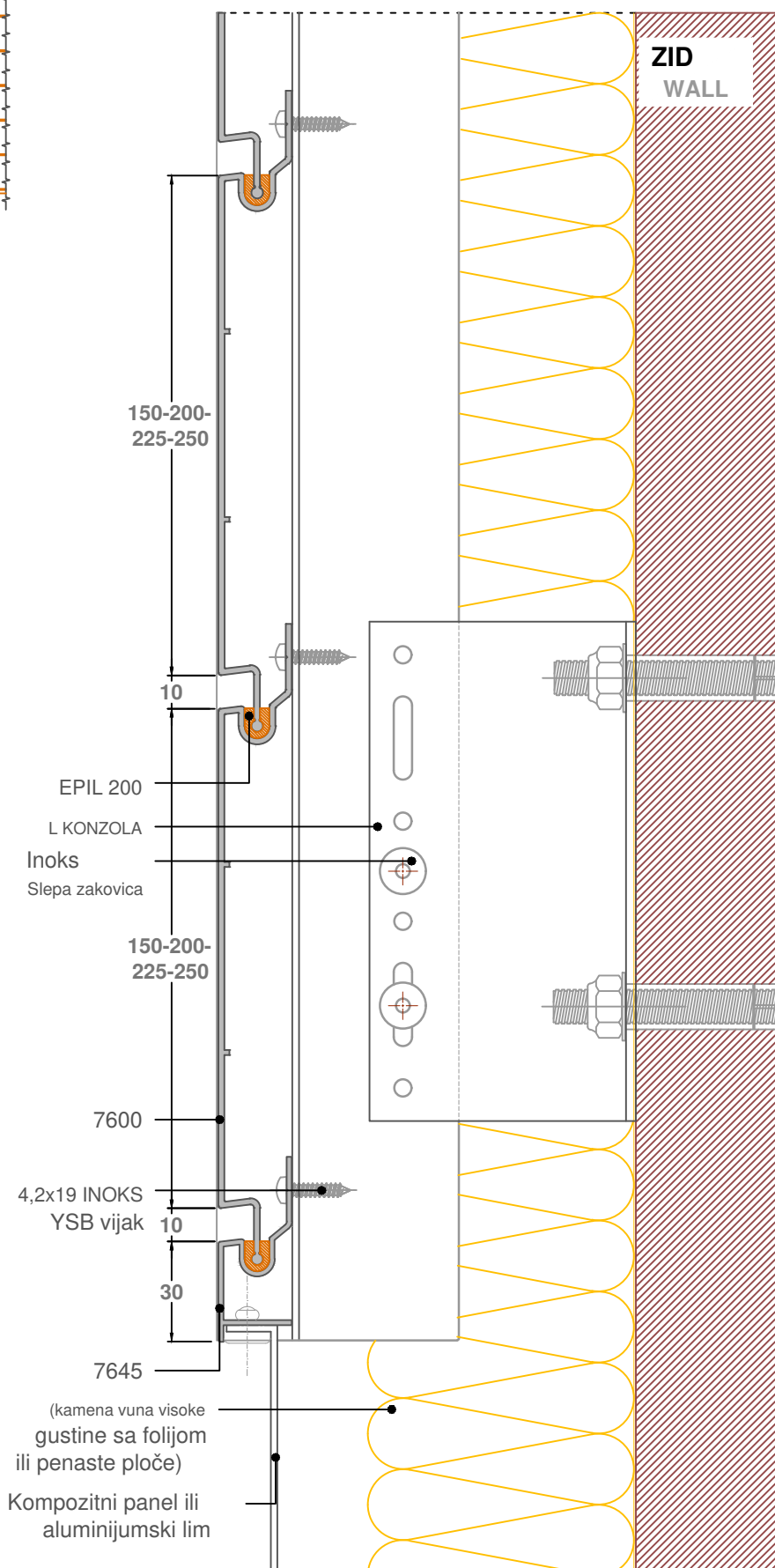
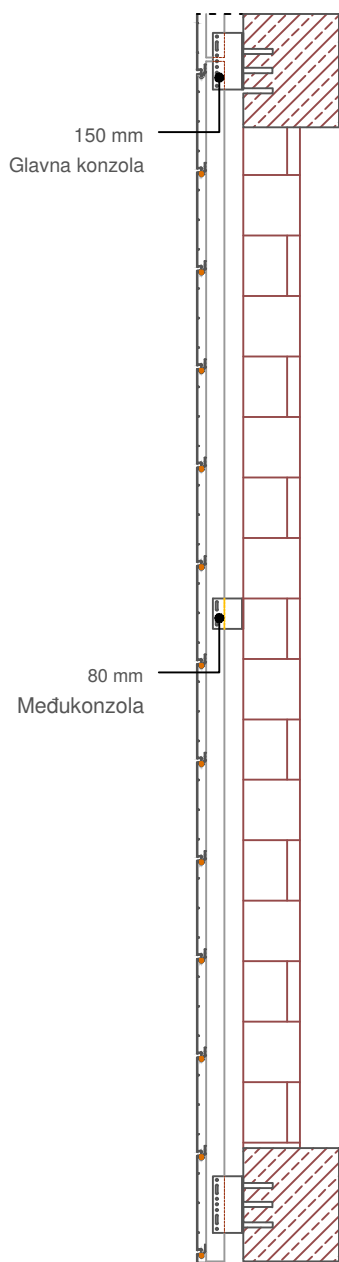
UNUTRA
INSIDE

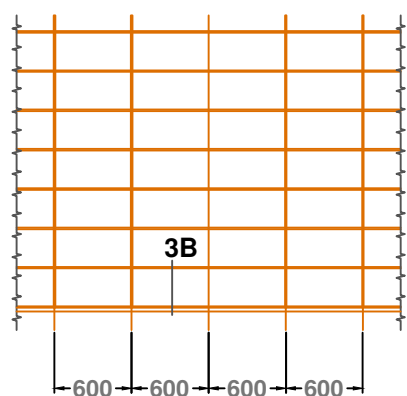


DETALJ DONJEG POČETKA
BOTTOM BEGINNING DETAILS



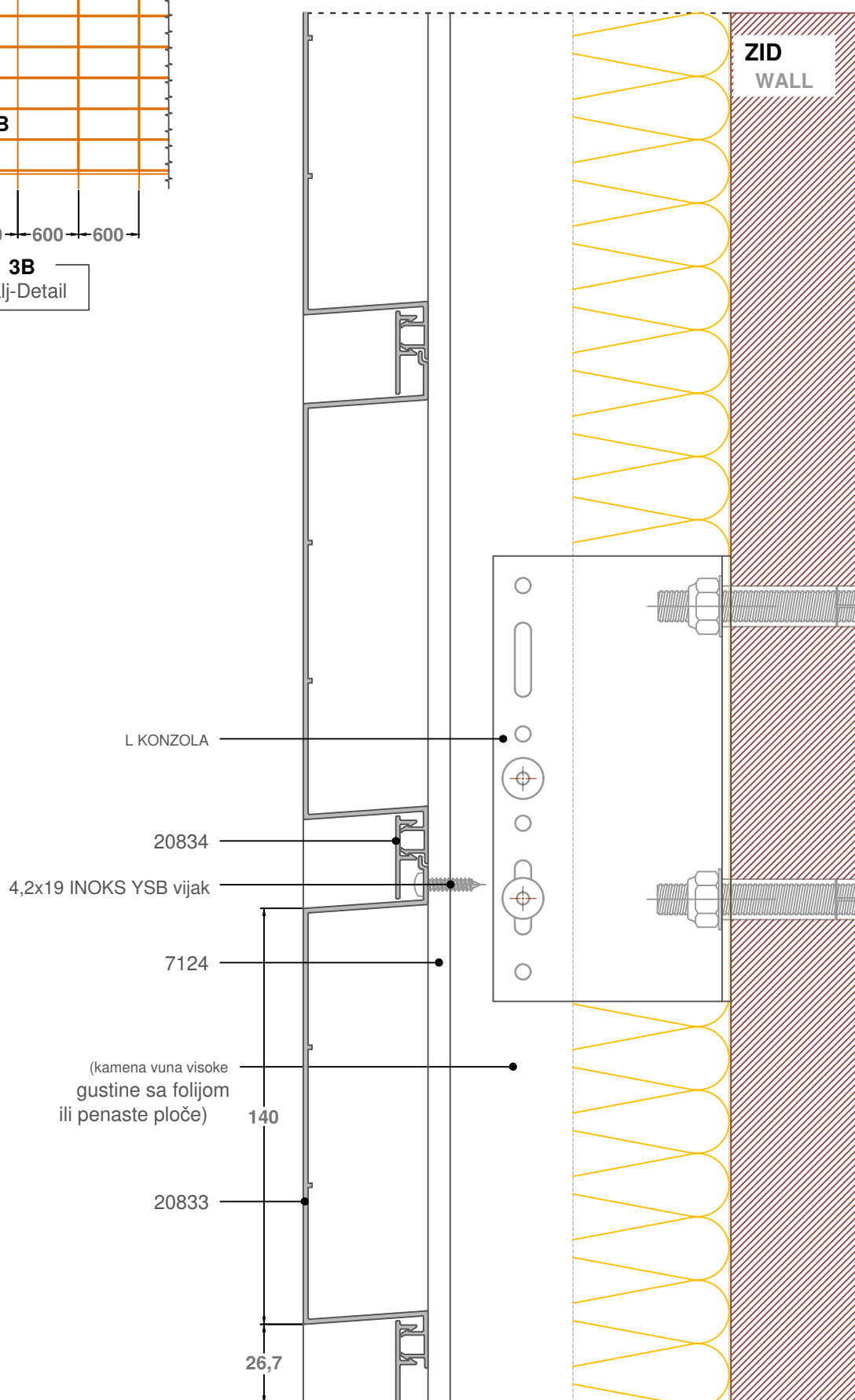
3
Detalj-Detail

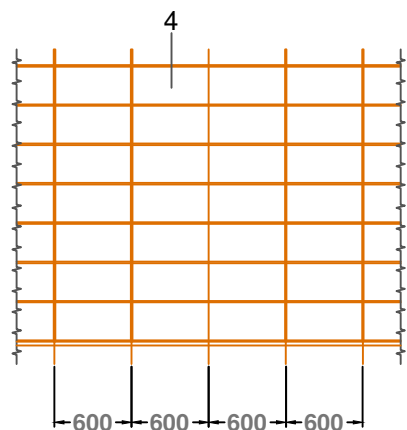




3B
Detalj-Detail

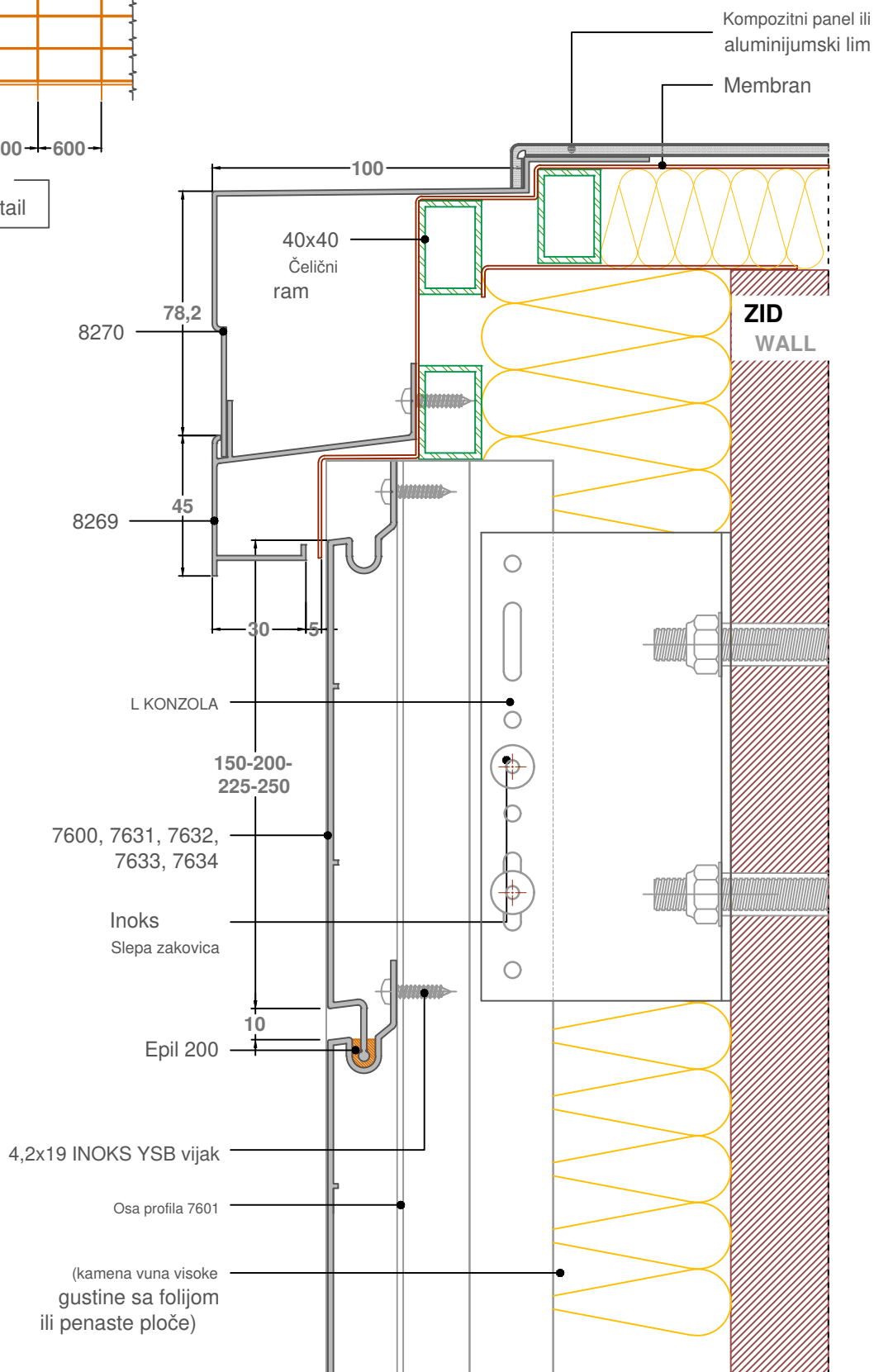
DETALJ DONJEG POČETKA
BOTTOM BEGINNING DETAILS



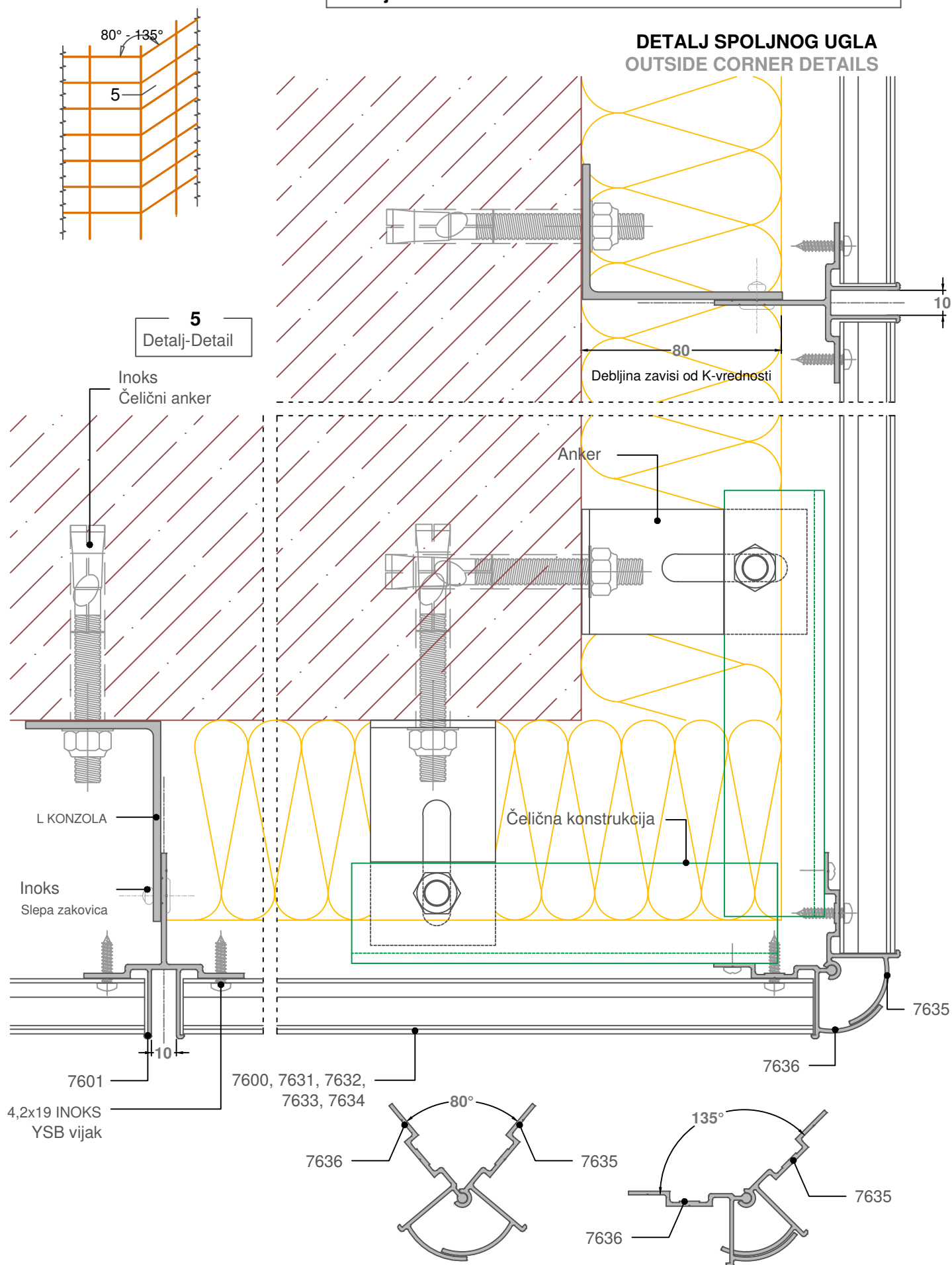


4
Detalj-Detail

DETALJ GORNJEG ZAVRŠETKA
TOP FINISHING DETAILS

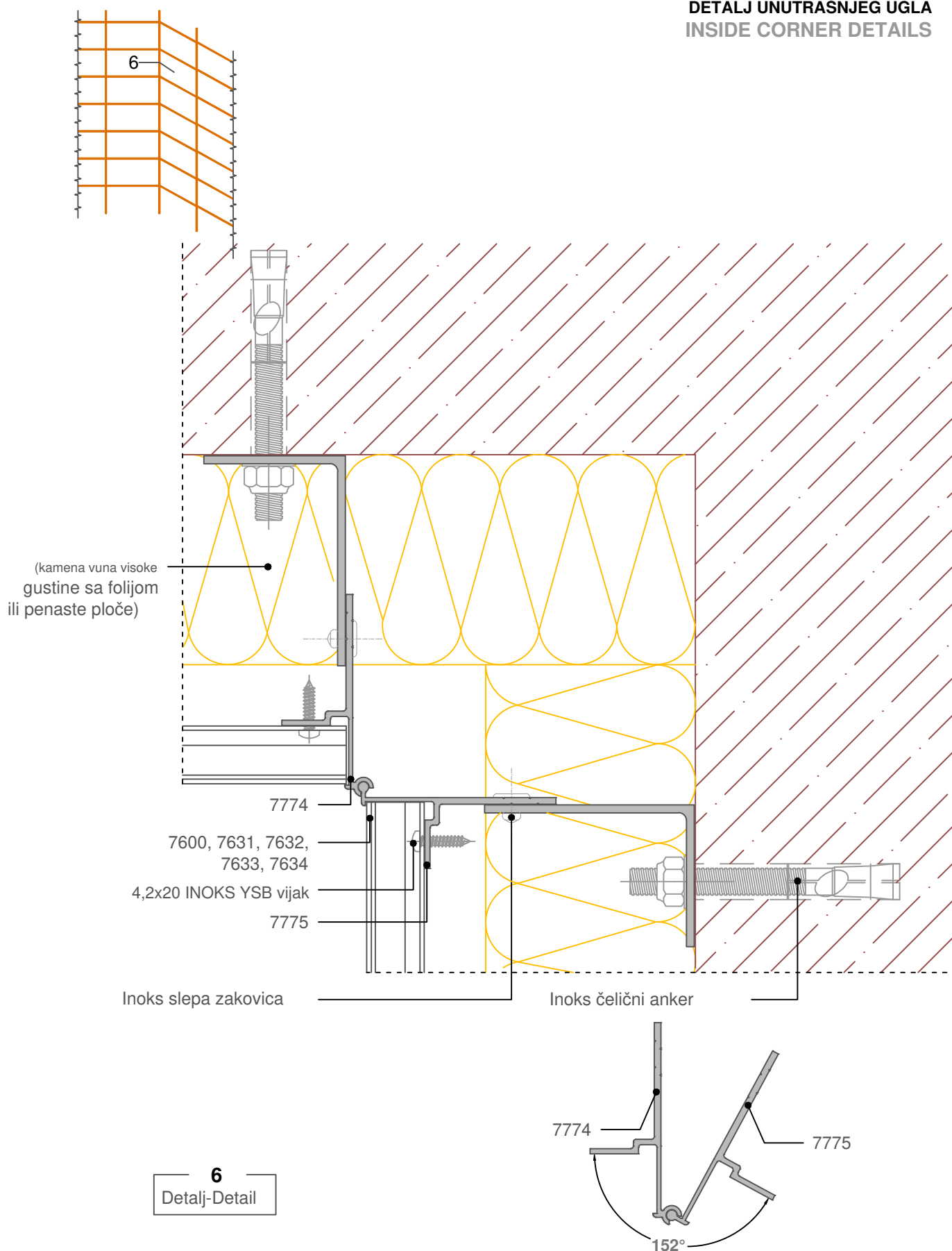


DETALJ SPOLJNOG UGLA
OUTSIDE CORNER DETAILS

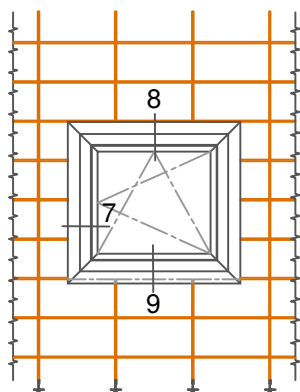


DETALJ UNUTRAŠNJEG UGLA

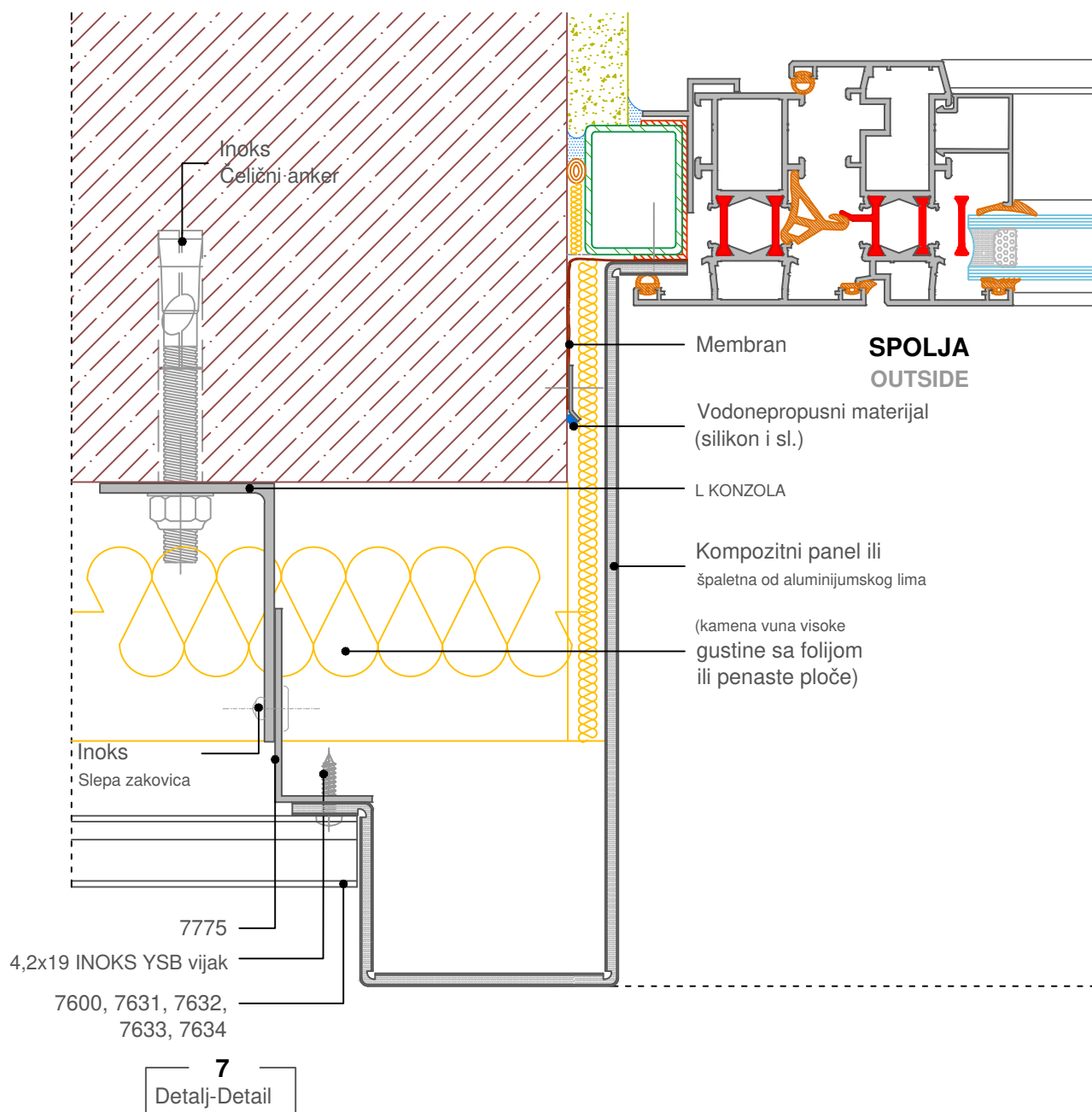
INSIDE CORNER DETAILS



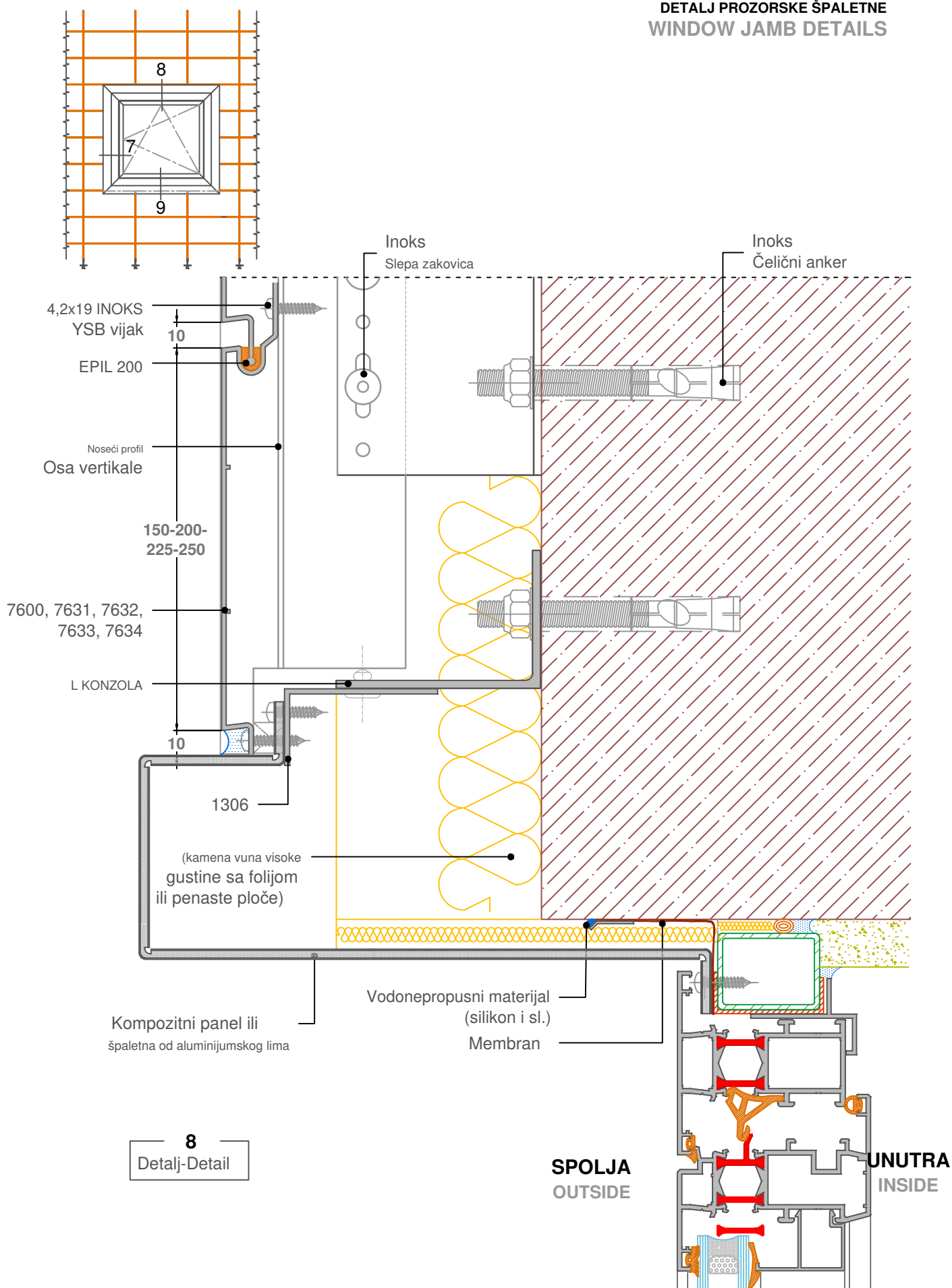
DETALJ PROZORSKE ŠPALETNE
WINDOW JAMB DETAILS

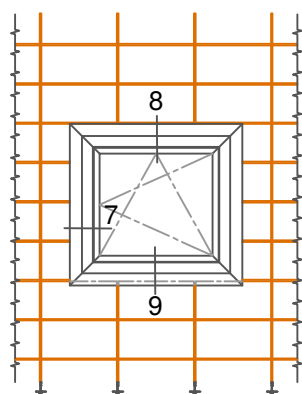


UNUTRA
INSIDE



DETALJ PROZORSKE ŠPALETNE
WINDOW JAMB DETAILS

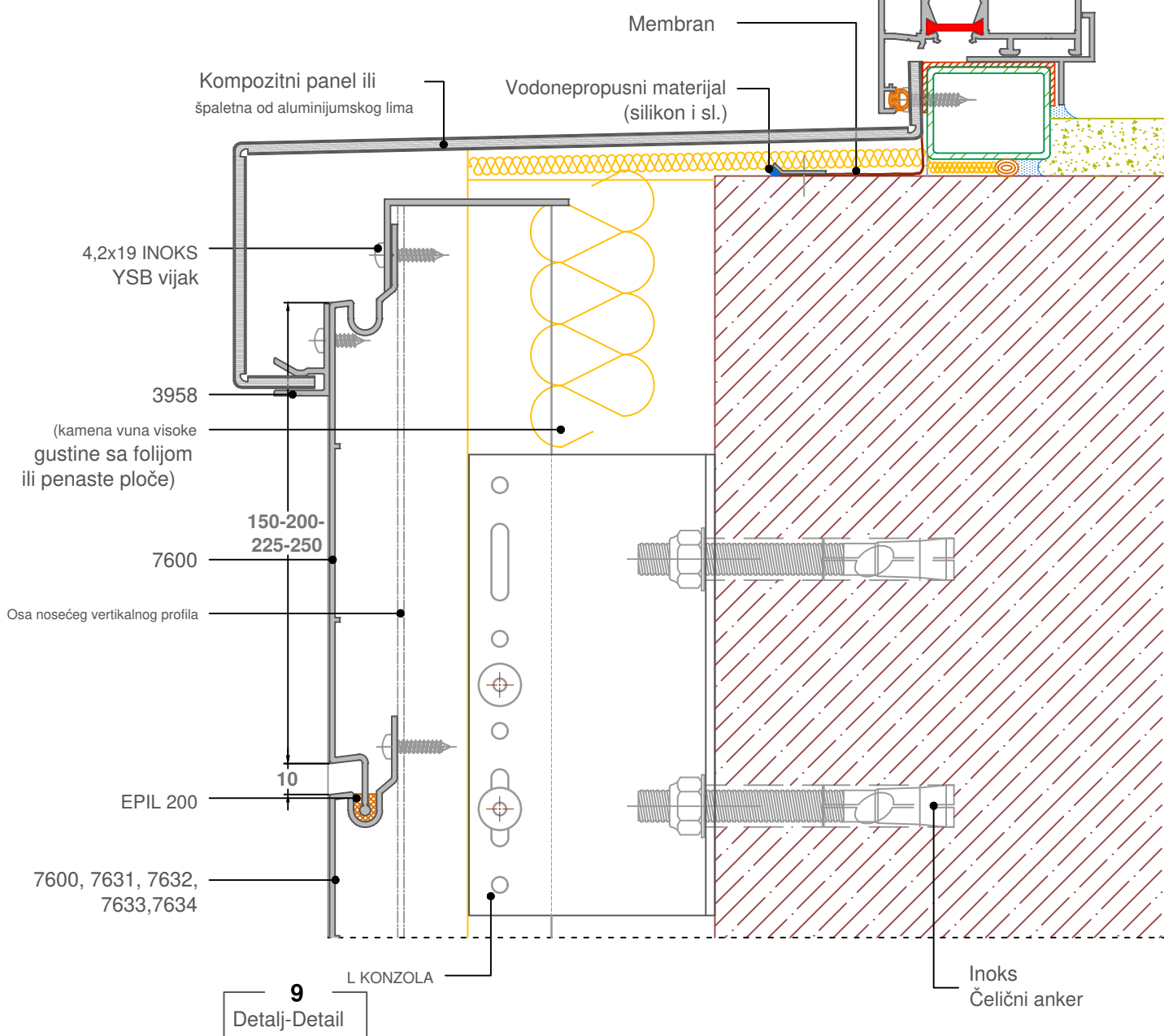




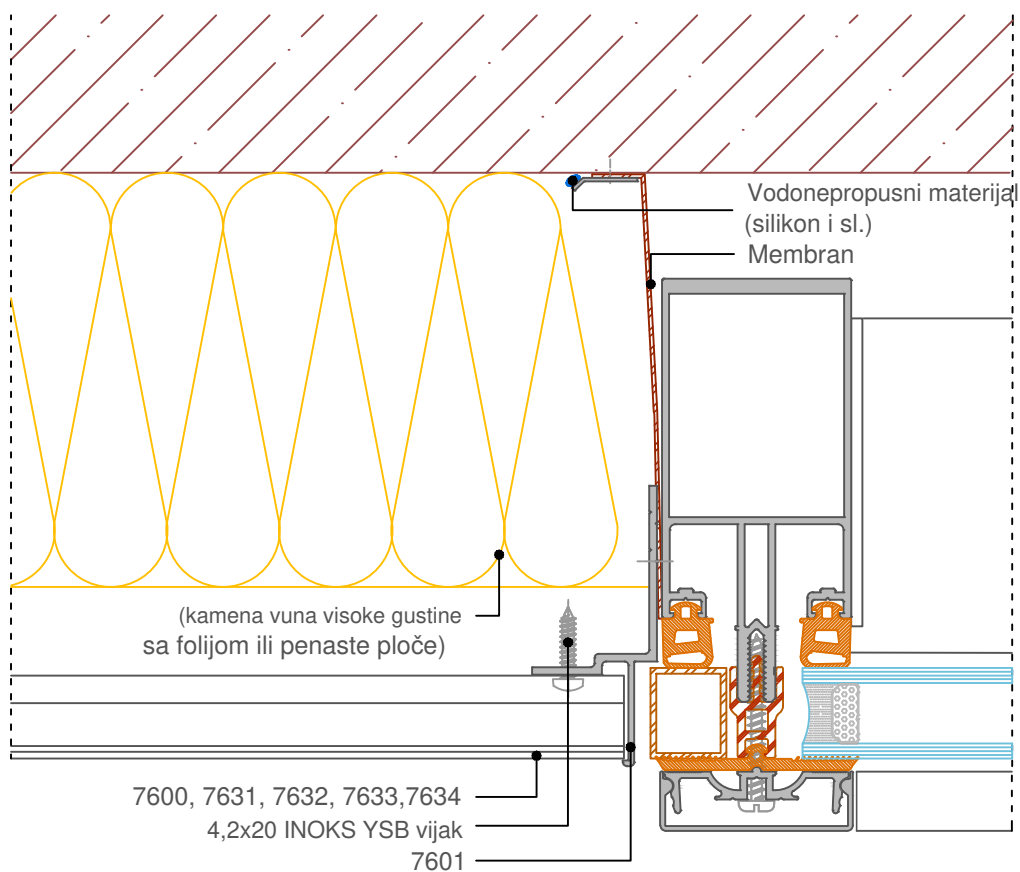
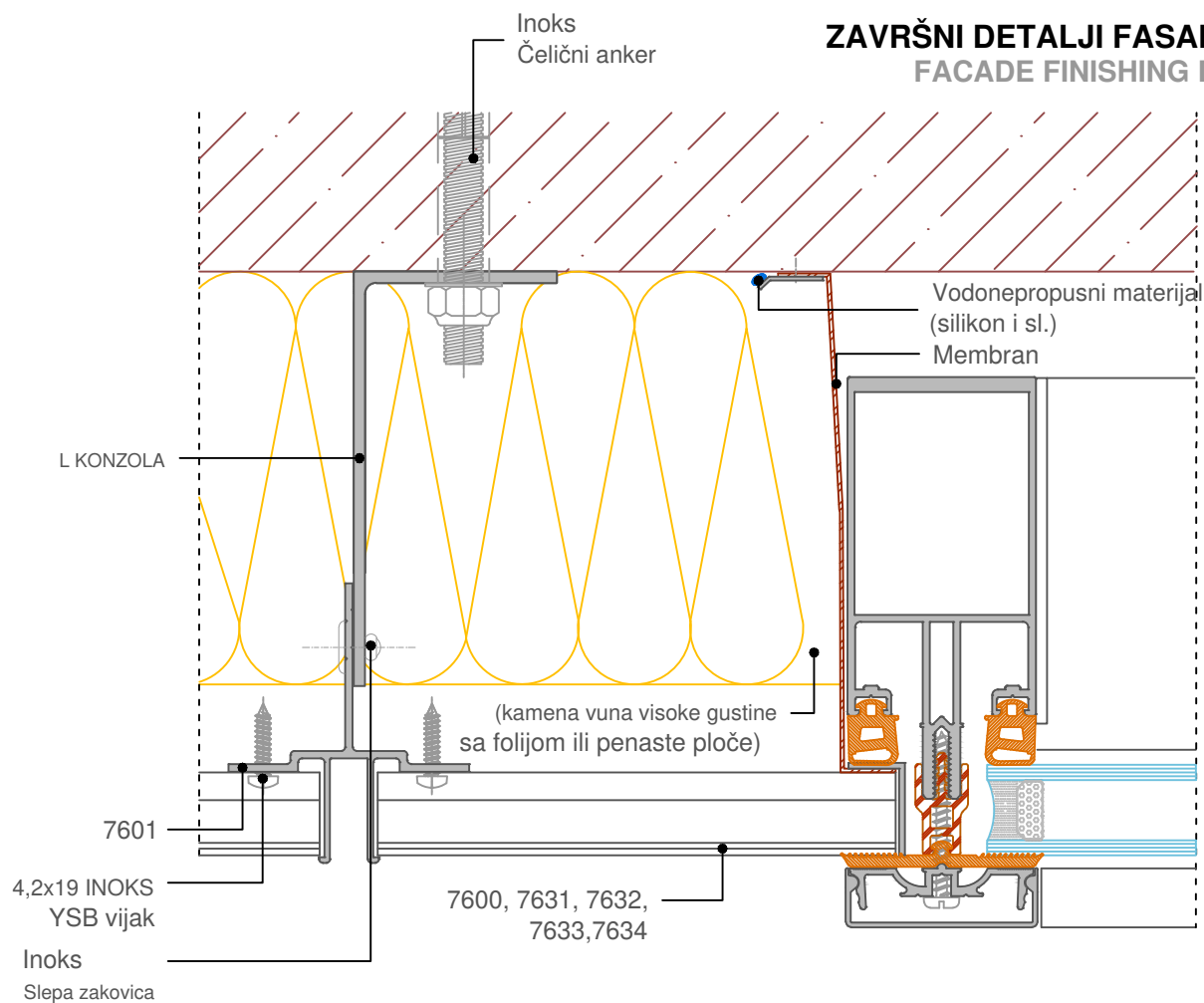
DETALJ PROZORSKE ŠPALETNE
WINDOW JAMB DETAILS

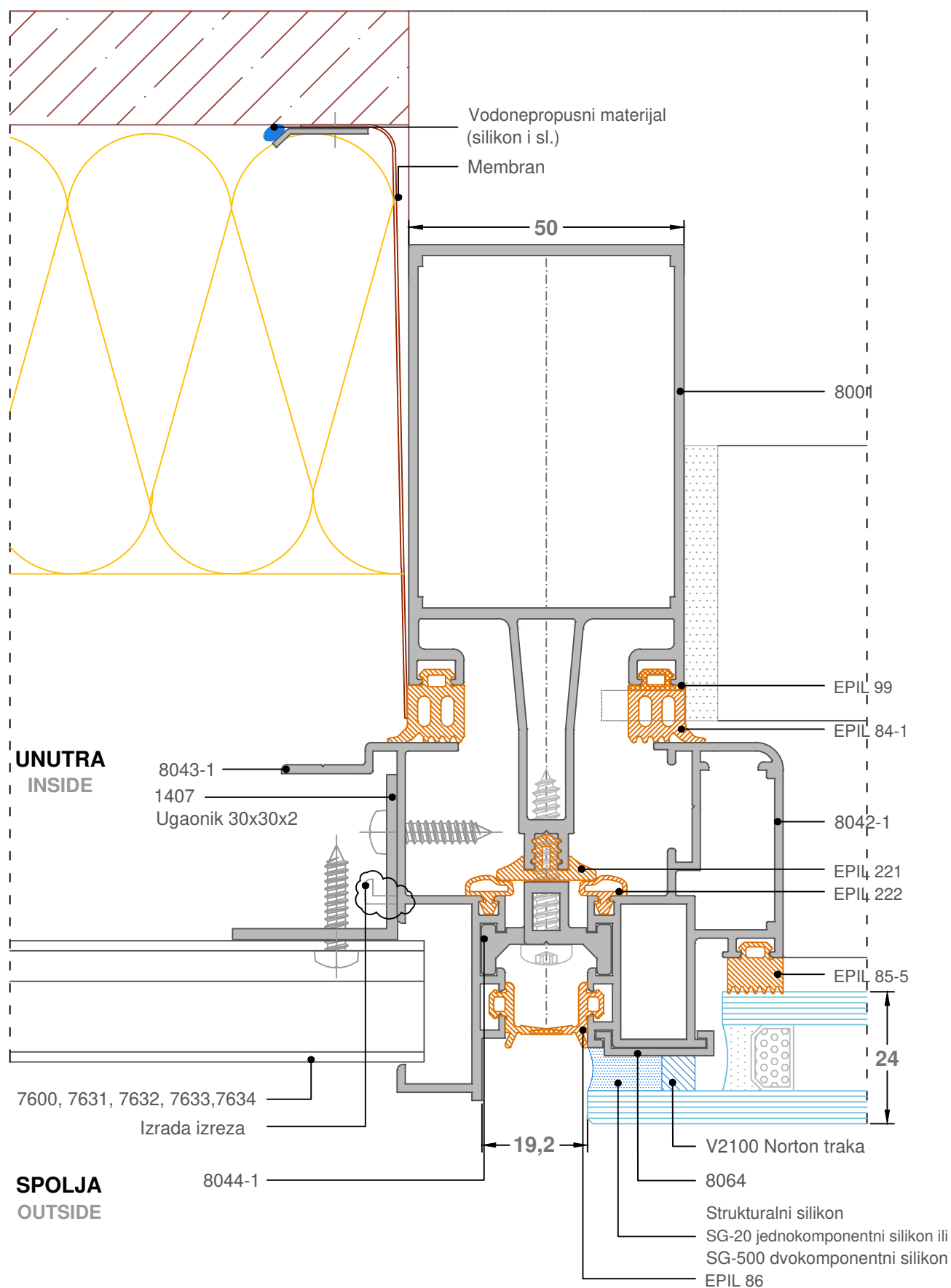
SPOLJA
OUTSIDE

UNUTRA
INSIDE



ZAVRŠNI DETALJI FASADE
FACADE FINISHING DETAILS





UNUTRA
INSIDE

Inoks
Čelični anker

L KONZOLA

Inoks
Slepa zakovica

(kamena vuna visoke gustine
sa folijom ili penaste ploče)

7600, 7631, 7632, 7633, 7634

4,2x19 INOKS YSB vijak

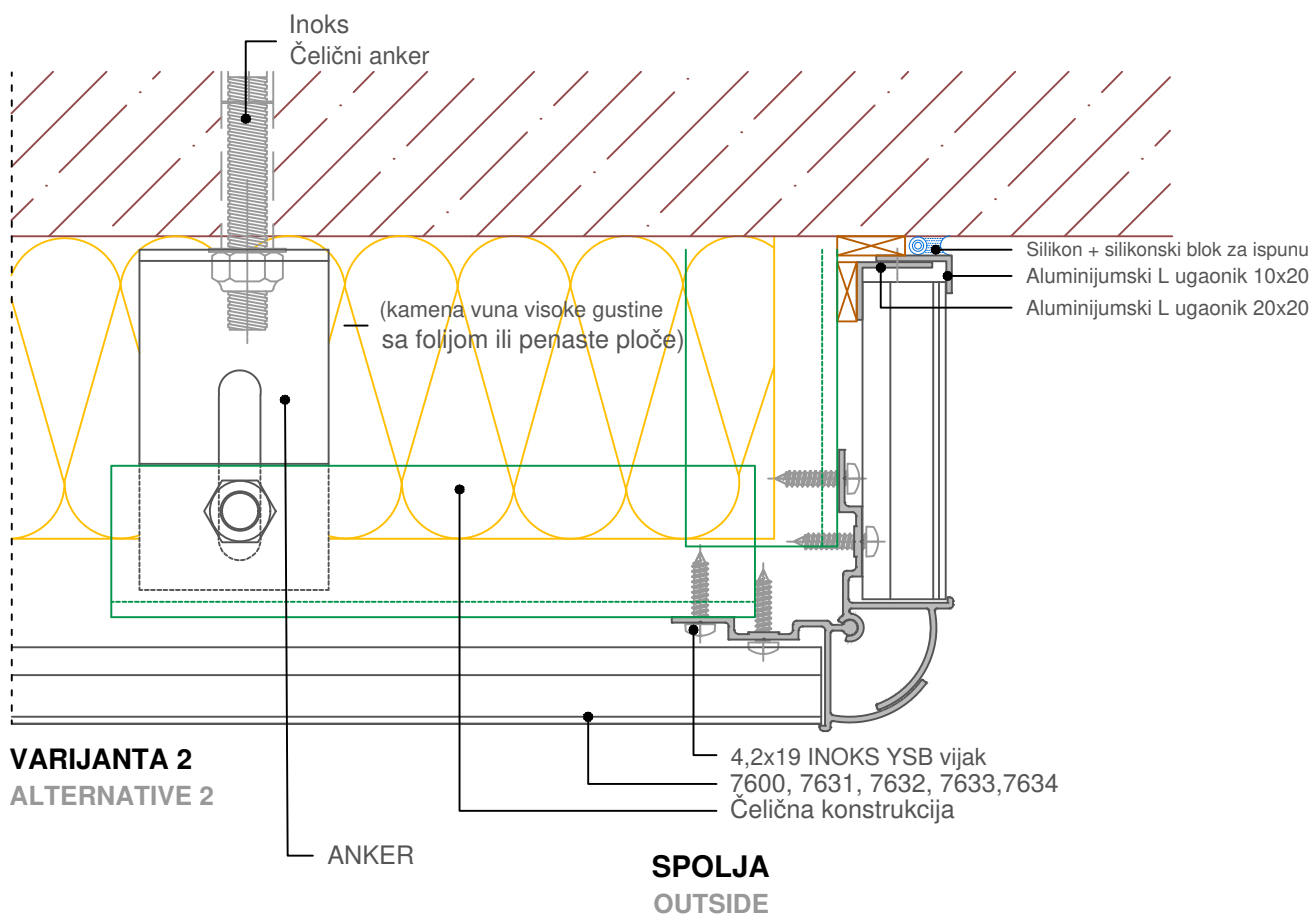
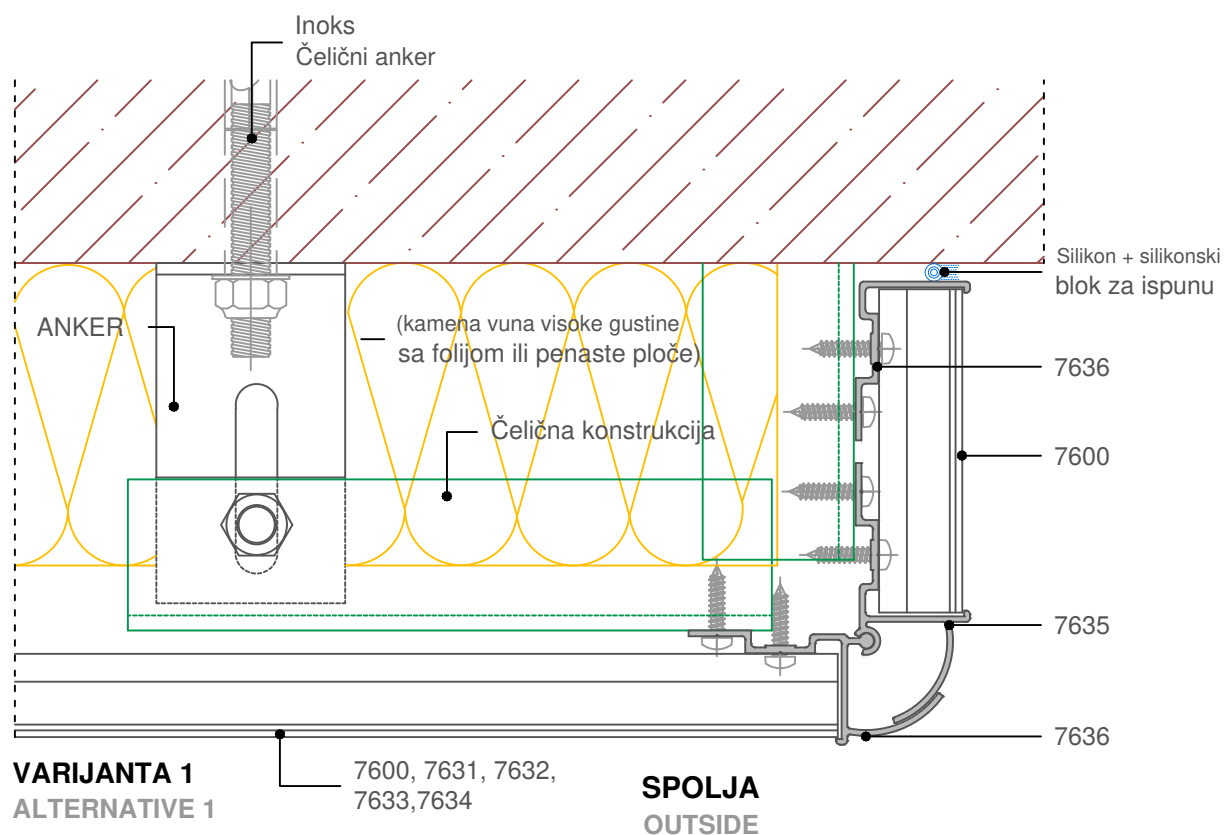
7601

- Silikonski blok za ispunu

- Izrada izreza

- Silikon

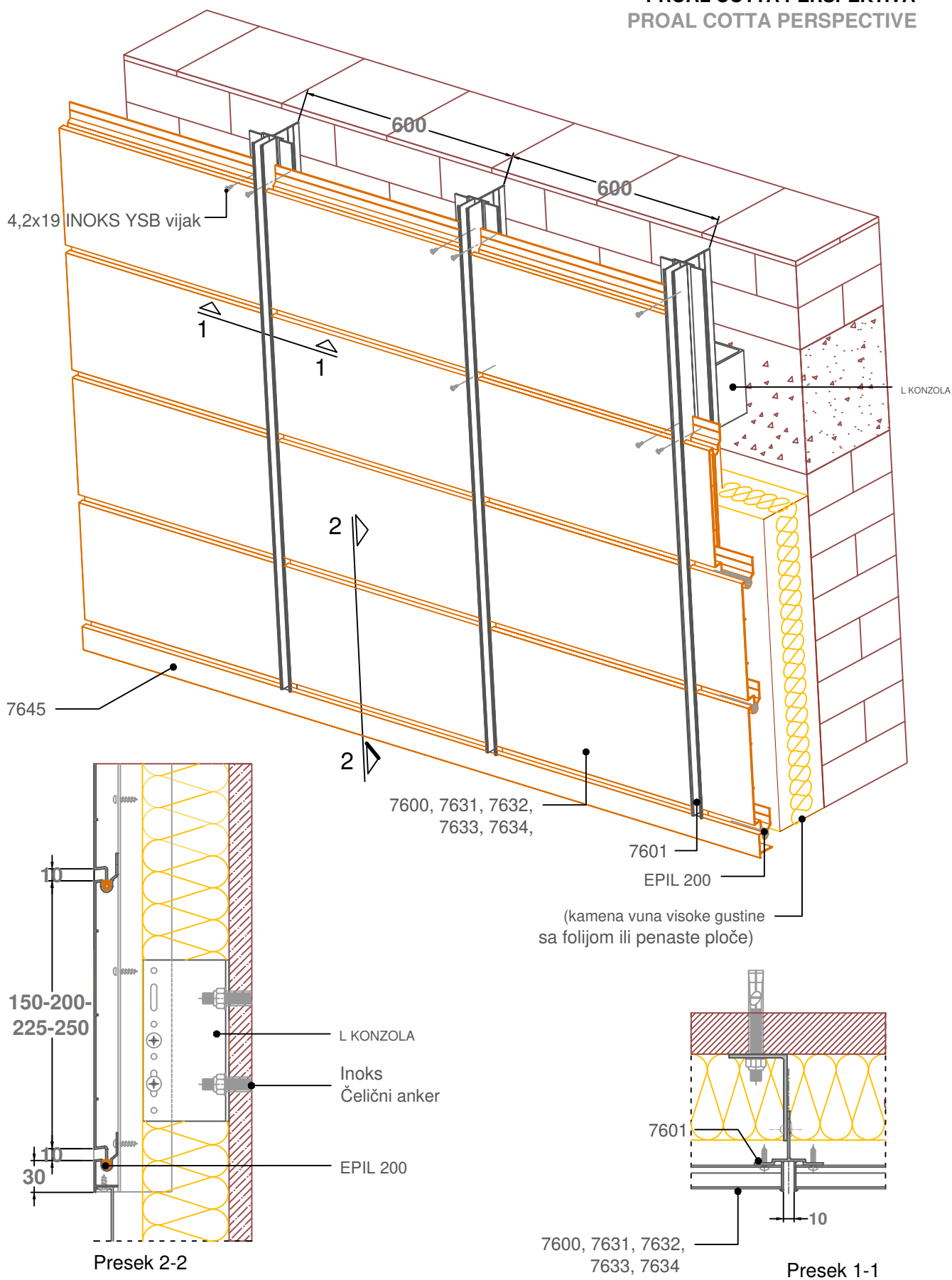
SPOLJA
OUTSIDE



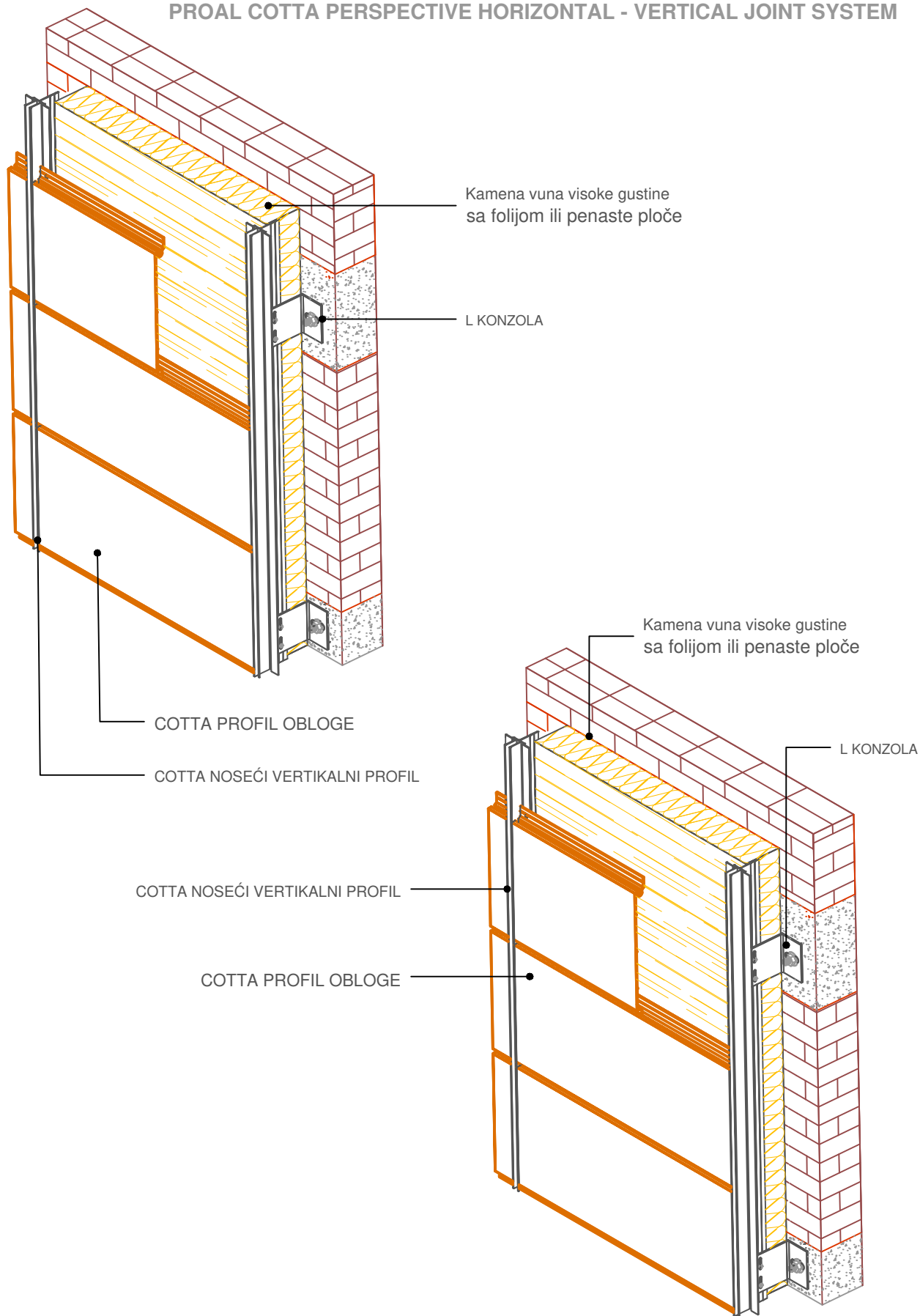


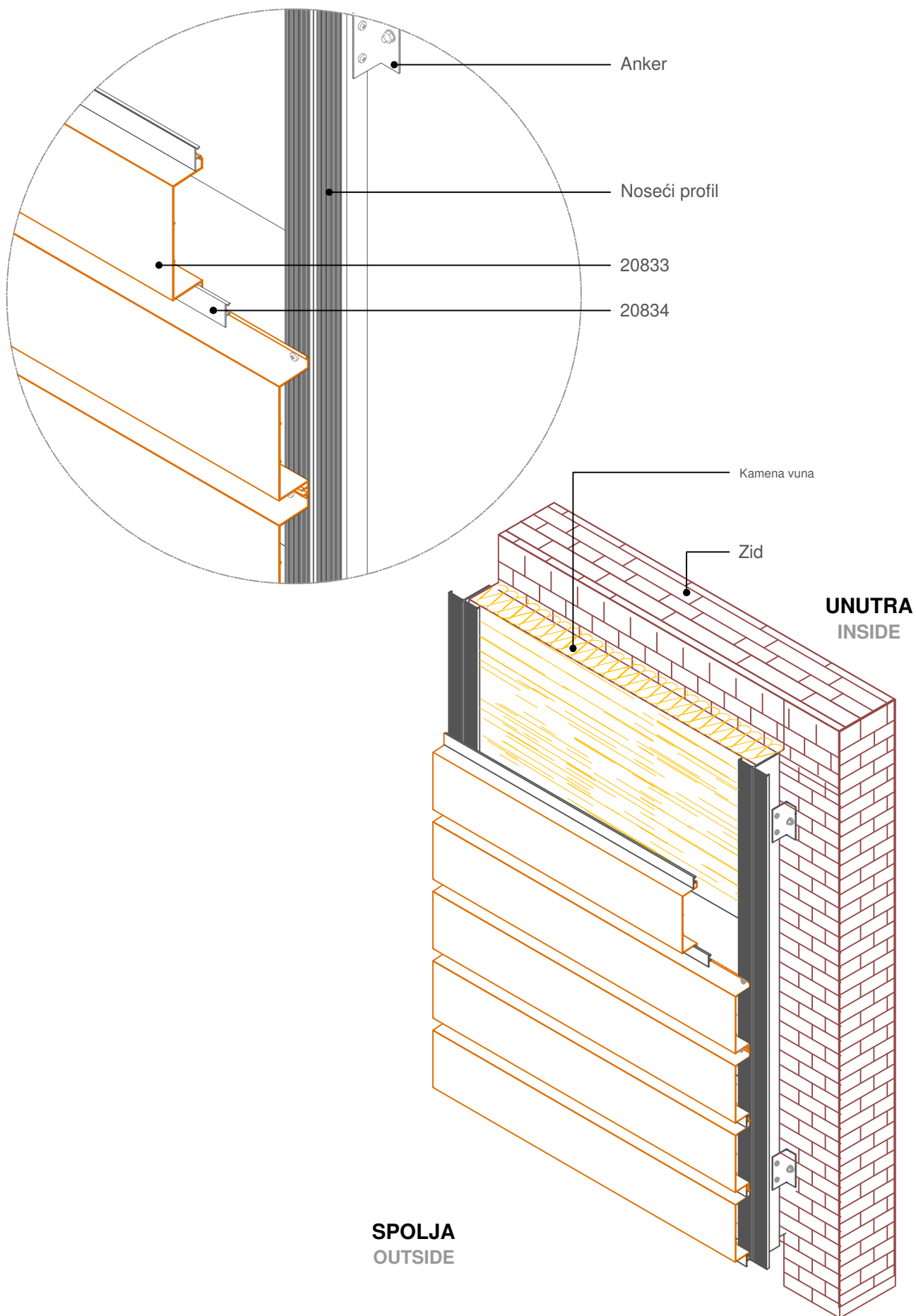
SC72 PROAL COTTA ALUMINIJUM
DETALJI IZRADE FASADNIH OBLOGA
SC72 PROAL COTTA ALUMINIUM
FACADE FABRICATION DETAILS

PROAL COTTA PERSPEKTIVA PROAL COTTA PERSPECTIVE



PROAL COTTA PERSPEKTIVA SISTEMA SA HORIZONTALNIM I VERTIKALNIM FUGAMA
PROAL COTTA PERSPECTIVE HORIZONTAL - VERTICAL JOINT SYSTEM





POSTUPAK ZAMENE PROFILA
DISPLACEMENT METHOD

