



Sistem aluminijumskih profila
za proizvodnju prozora i vrata
sa prekidom termičkog mosta

*Aluminium profiles system
for doors and windows manufacturing
with thermal break*



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Sistem TEHNOMARKET TMT 79hi čini grupa aluminijumskih profila specijalno projektovanih za izradu elemenata koji svoju primenu nalaze u arhitekturi i građevinarstvu, koji pri tom poseduju izuzetne termičke karakteristike. Posebna pažnja je posvećena odabiru i profilaciji materijala za postizanje maksimalnih termoizolacionih karakteristika. $U_f < 1,4 \text{ W/m}^2\text{K}$ odnosno $U_w < 0,8 \text{ W/m}^2\text{K}$ što je optimum za izradu prozora i vrata PASIVNE KUĆE.

Profili se proizvode postupkom ekstruzije i termičkog starenja u pogonima "TEHNOMARKET"-a. Kao sirovina koriste se legure po AA standardu 6063 i 6060 (AlMg0.7Si - ISO, odnosno AlMgSi0.5- DIN). Spoljašnji i unutrašnji profil spojeni su međusobno poliamidnim trakama (PA 6.6, sa 25% staklenih vlakana), koje pored funkcije mehaničkog spajanja, obezbeđuju i termički prekid. Hemijski sastav i mehaničke osobine poliamidnih traka su atestirane.

Sila smicanja spoljnog i unutrašnjeg aluminijumskog profila koje povezuje poliamidna traka kontroliše se u toku proizvodnje na digitalnom uređaju za ispitivanje za koji poseduje saglasnost Saveznog zavoda za mere i plemenite metale.

Izolaciona svojstva sistema potvrđuju rezultati ispitivanja.

Sistem je takođe atestiran na propuštanje vazduha, kao i na otpornost prema delovanju vode prema JUS D.E8.193. Površinska obrada profila može biti elektrolitička anodna oksidacija (eloksaza), u skladu sa standardom JUS C.T7.228 i korozivnom otpornošću u skladu. Drugi postupak površinske obrade je elektrostatska pulverizacija (plastifikacija), prema RAL ton karti. Izbor površinske obrade unutrašnjeg, odnosno spoljašnjeg dela profila može biti nezavisan.

Sistem profila TEHNOMARKET TMT 79hi je projektovan za spajanje uglova zglobnim rastavljivim aluminijumskim spojnicama i dodatnim poliamidnim trakastim spojnicama. Zaptivanje između rama i krila obezbeđuju E.P.D.M. zaptivke optorne na starenje i uticaj ultraljubičastih zraka.

Svi elementi imaju integrisan evropski standard zabavljanja tzv. «EURO ŽLJEB» što omogućuje primenu okova bilo kog evropskog proizvođača kao i kombinaciju istih.

Ovaj sistem profila je projektovan za prihvatanje ispune debljine od 40 do 55mm, što podrazumeva troslojna stakla ili termopanele sa niskim koeficijentom toplotne provodljivosti.

TEHNOMARKET TMT 79hi poseduje CE sertifikat

TEHNOMARKET TMT 79 HI consists of specially engineered aluminium profiles used in manufacturing of exceptionally thermally efficient windows suitable for most demanding architectural projects. Main focus was to maximize thermal efficiency through special material and profile geometry. This way we were able to achieve spectacular results for an all aluminum window with frame values $U_f < 1,4 \text{ W/m}^2\text{K}$ and whole window value of $U_w < 0,8 \text{ W/m}^2\text{K}$ with triple glass used. These values fully comply with international standards for Passive Houses. Aluminium profiles are extruded in our own Aluminium Extrusion Plant in Pančevo, Serbia. We use only highest quality alloys AA6063 and AA6060. Profiles are connected with state of the art polyamide stripes for thermal decoupling manufactured by German company Technoform Bautech, one of the market leaders in this field. All our thermo profiles are assembled in-house by experienced team of professionals in order to achieve maximum quality of finished profiles. Quality is constantly controlled and verified on our officially certified digital measuring centre and through our multi-step quality control protocols.

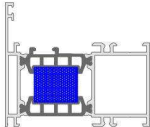
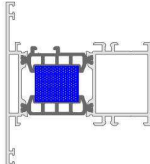
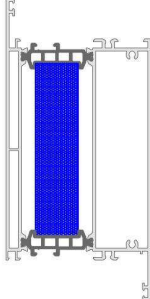
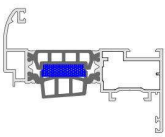
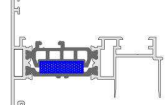
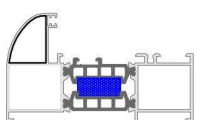
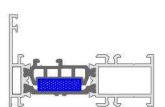
TEHNOMARKET TMT 79hi windows are assembled with use of special aluminium corner cleats and additional polyamide strips, while E.P.D.M. gaskets maintain tight and durable seal between sash and frame. Additionally, all our profile systems are compatible with widely used Euro Groove standard which allows usage of hardware from all European manufacturers.

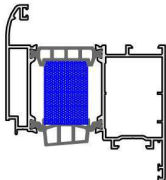
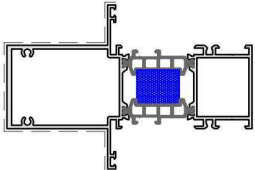
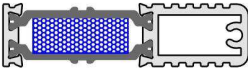
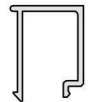
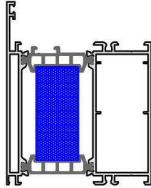
TEHNOMARKET TMT 79hi profile system can accept glazing packages from 40 to 55mm, which allows for use of triple glass packages with exceptional thermal performance.

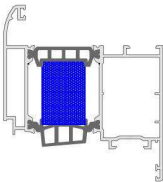
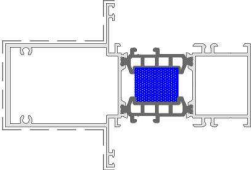
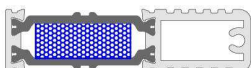
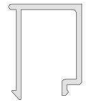
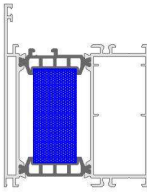
All our products have been tested by independent European and domestic institutes for thermal efficiency, water and air impermeability and sound insulation.

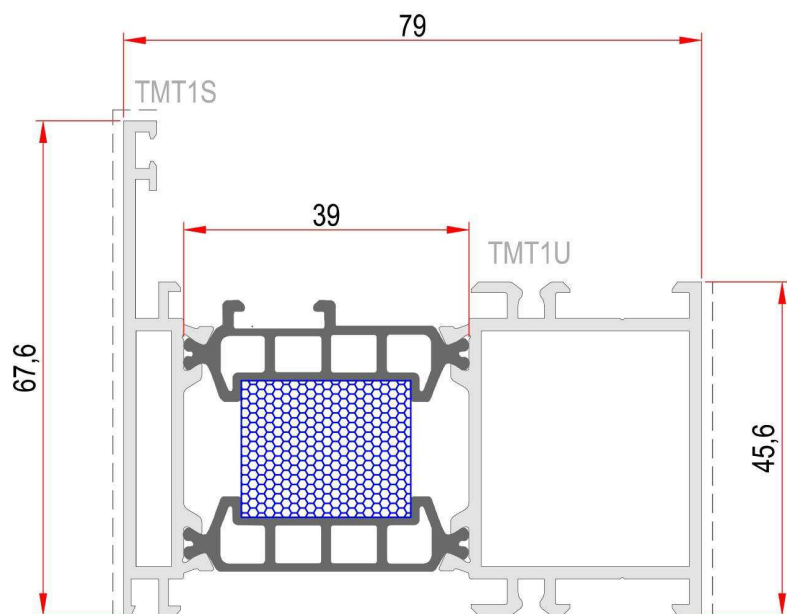
There are two standard options of surface finishes – electrolytic anodisation and electrostatic pulverization according to RAL standard.

TEHNOMARKET TMT 79hi system is CE certified

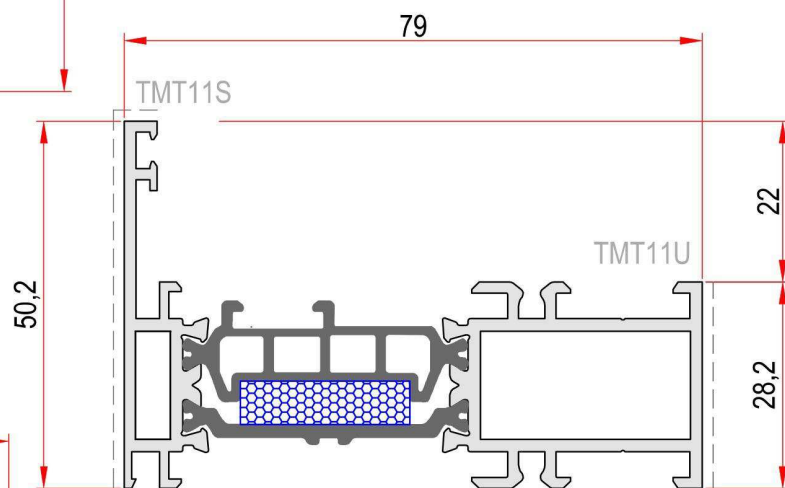
OZNAKA Code	PROFIL Section	MASA Weight Kg/m'	OPIS Description
TMT301		1,852	Profil rama Frame profil
TMT302		1,986	"T" -Profil 89,6 mm T -Profile 89.6 mm
TMT303		3,551	Donja prečka vrata Door bottom rail, opening in
TMT304		1,627	Krilo prozora Window sash
TMT6		0,278	Držać stakla Snap type rounded glazing bead
TMT309		1,424	Profil veze dva prozorska krila Second sash profile
TMT310		1,800	Profil rama Frame profil
TMT311		1,355	Profil rama Frame profil

OZNAKA Code	PROFIL Section	MASA Weight Kg/m'	OPIS Description
TMT312		2,120	Krilo prozora i vrata <i>Window and door sash</i>
TMT314		2,766	Stub <i>Column</i>
TMT317		0,925	Profil praga <i>Threshold profil</i>
TMT39		0,301	Držać stakla <i>Snap type glazing bead</i>
TMT20		0,160	Dodatni žljeb za vrata <i>Door additional rabbet</i>
TMT23		0,269	Držać stakla sa klipsom <i>Rounded glazin bead with slider</i>
TMT30		0,285	Držać stakla <i>Snap type glazing bead</i>
TMT324		2,509	Profil rama <i>Frame profil</i>

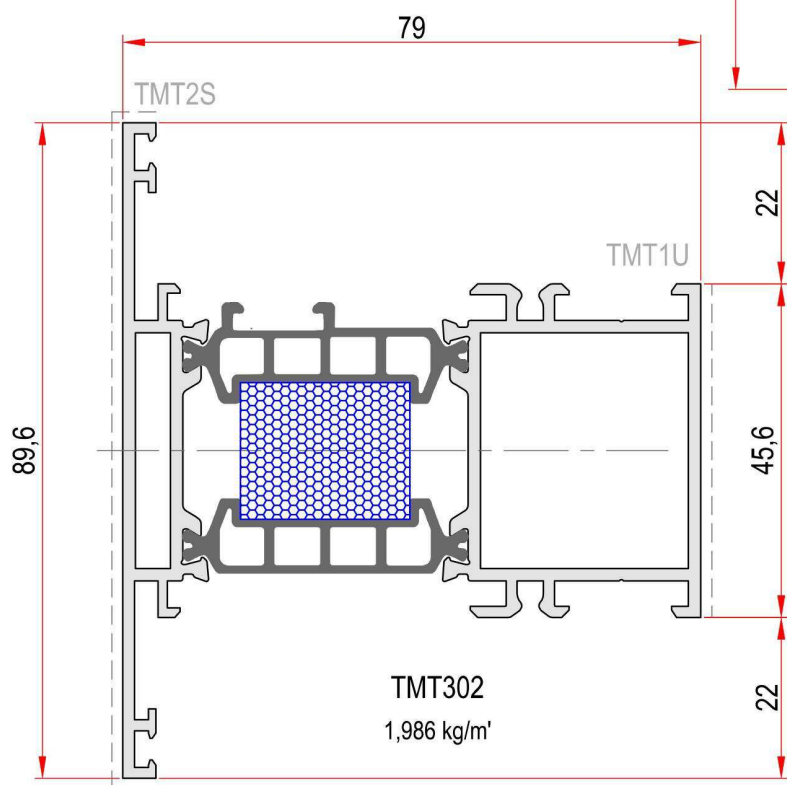
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TMT324		2,509	Profil rama Frame profil



TMT301
1,852 kg/m'

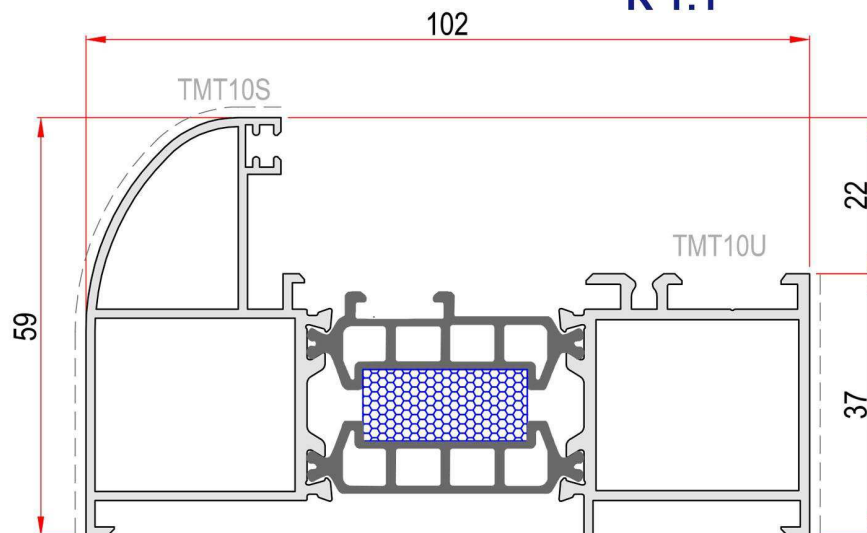


TMT311
1,355 kg/m'

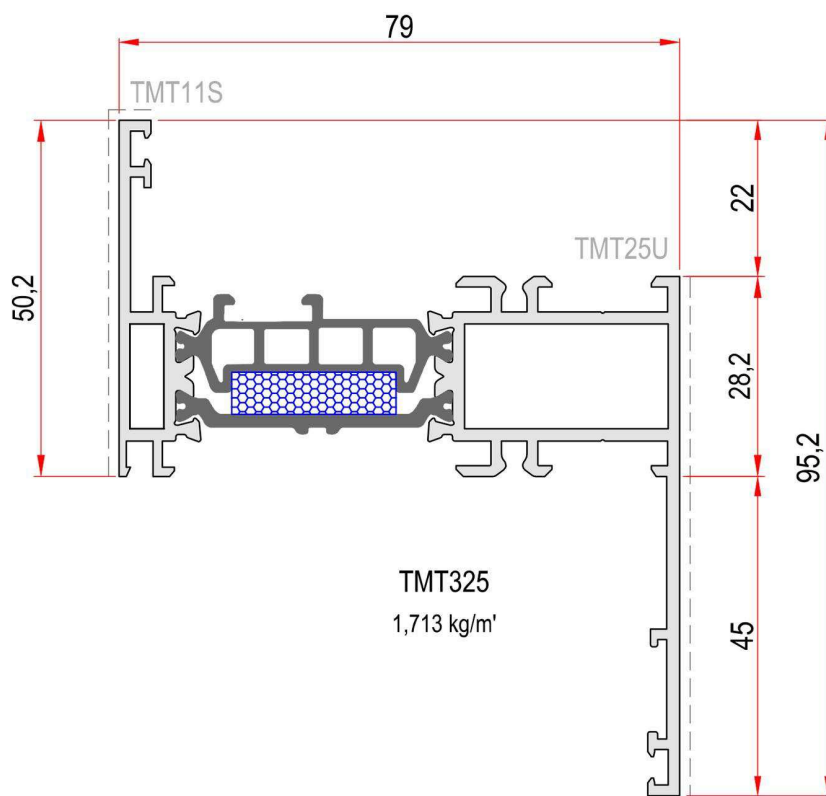


TMT302
1,986 kg/m'

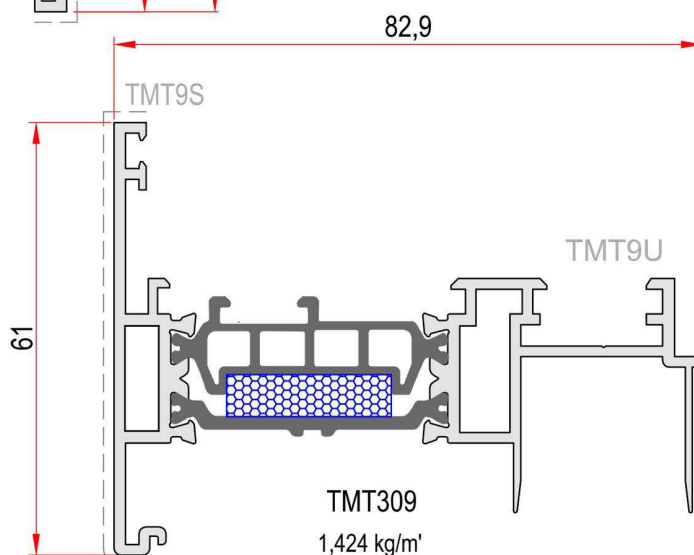
R 1:1



TMT310
1,800 kg/m'

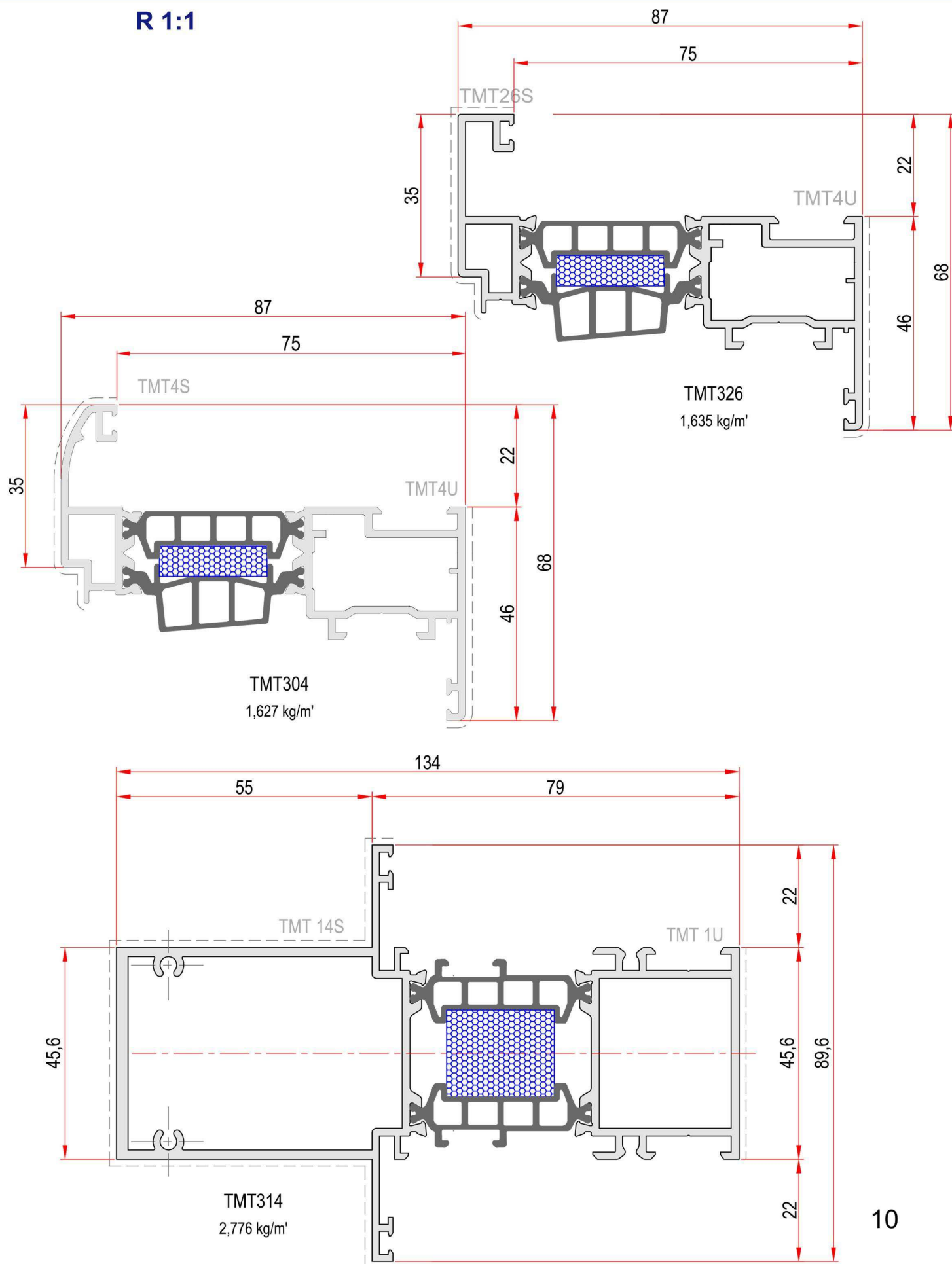


TMT325
1,713 kg/m'

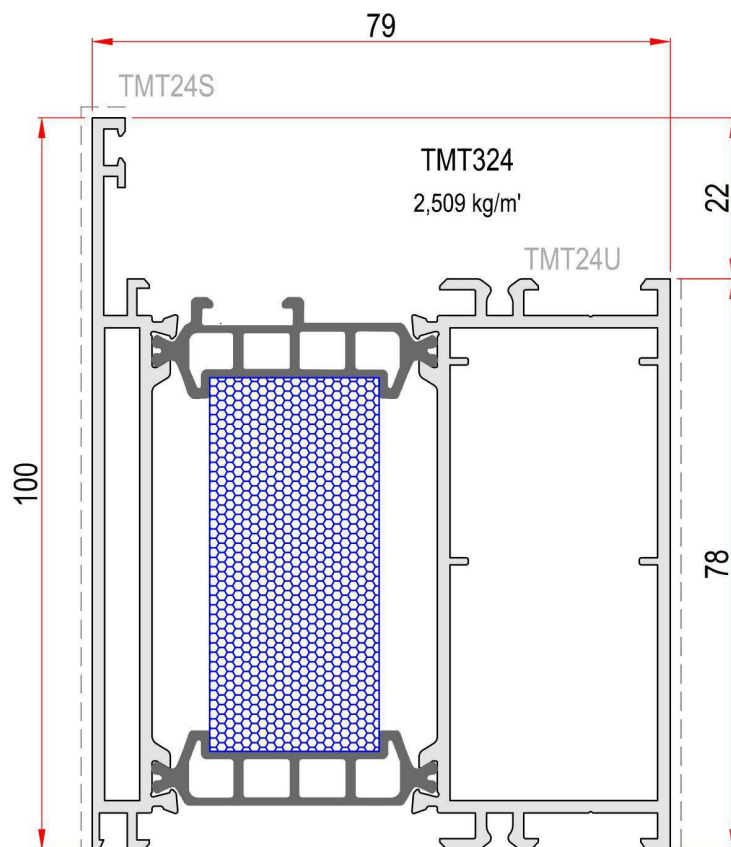
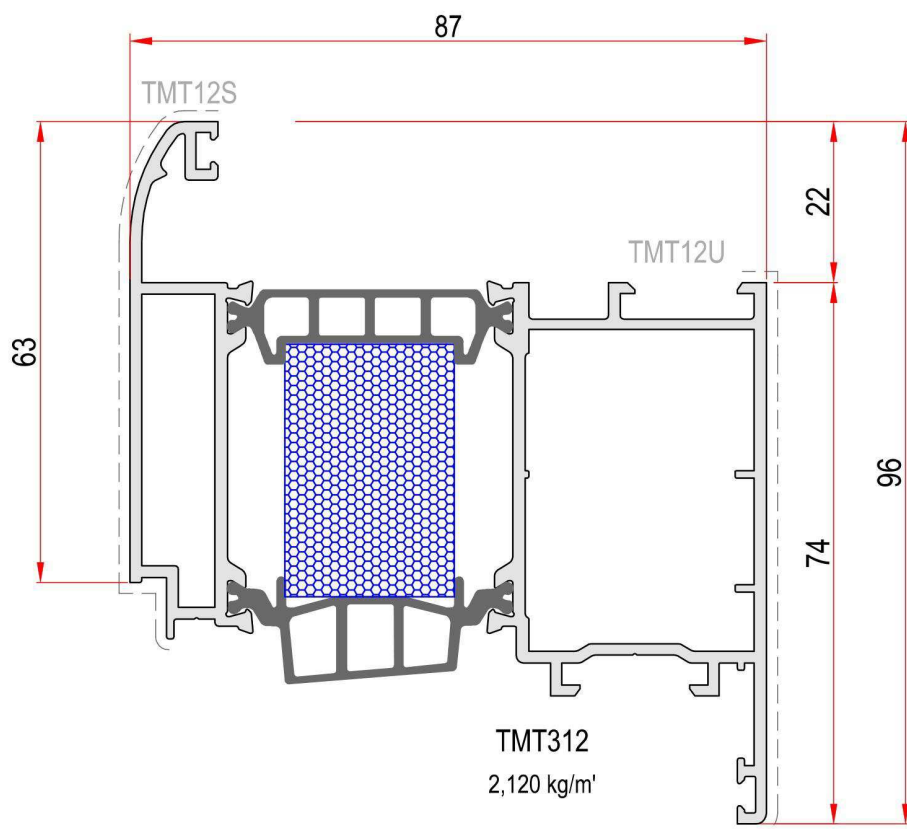


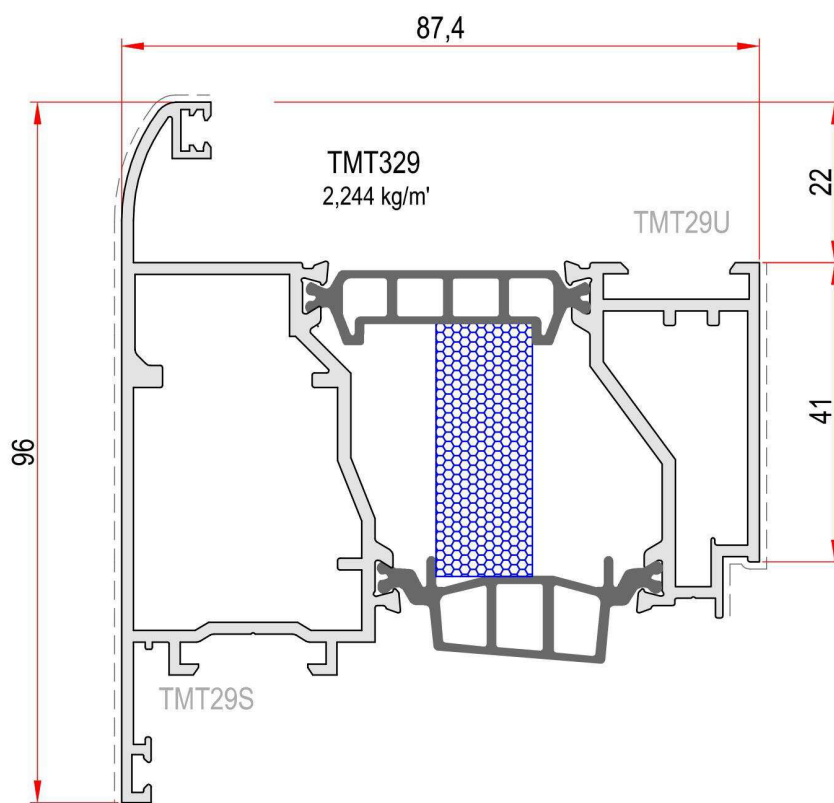
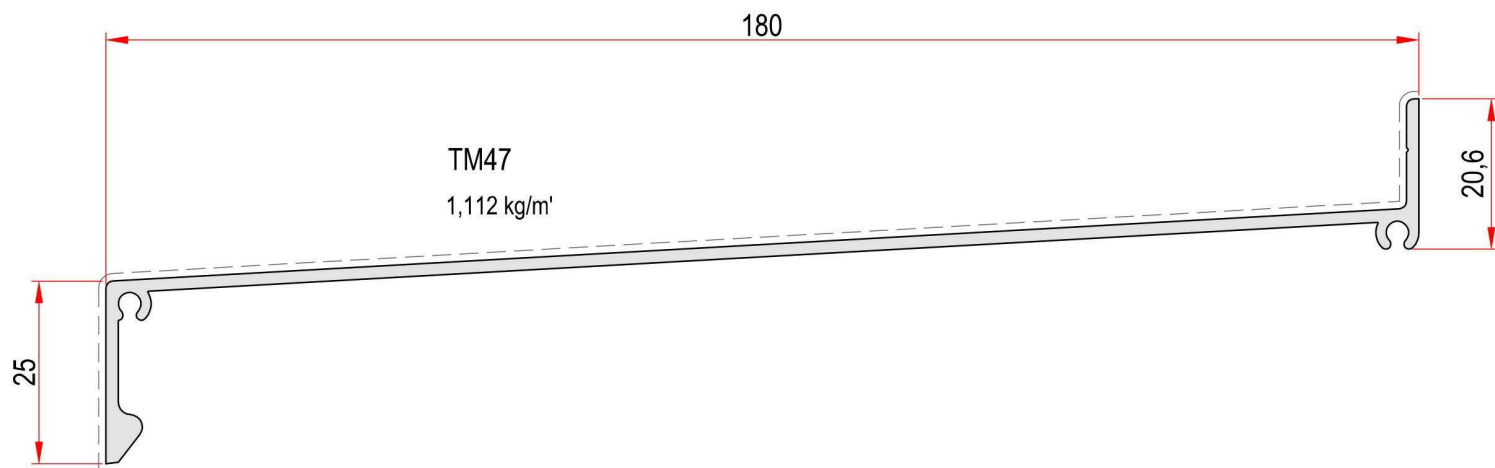
TMT309
1,424 kg/m'

R 1:1

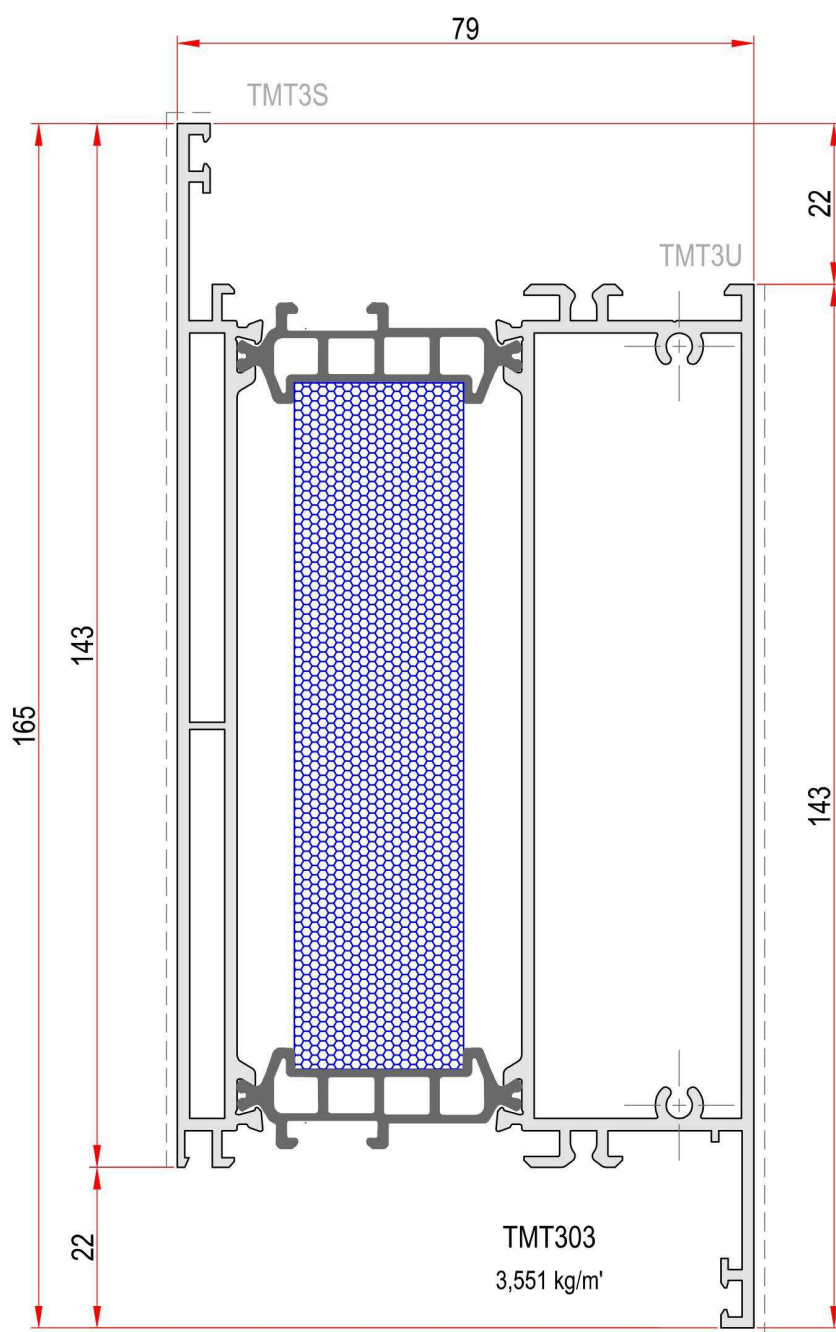


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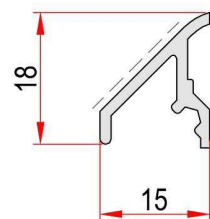




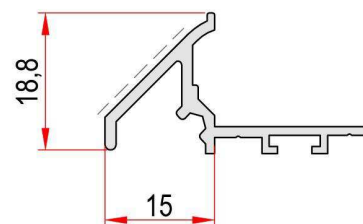
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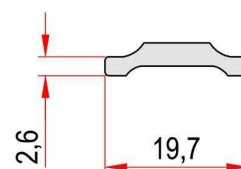
TM36
0,177 kg/m'



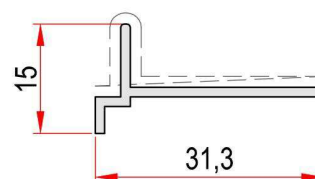
TM42
0,272 kg/m'



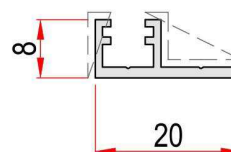
TM33
0,152 kg/m'



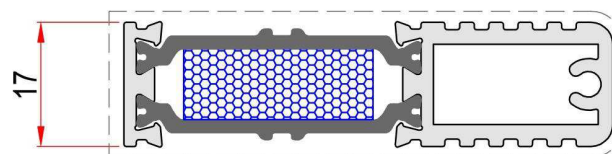
TMT20
0,160 kg/m'



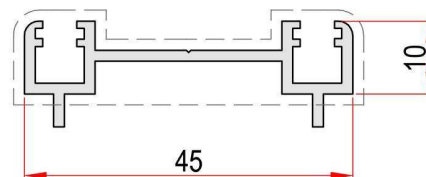
TM43
0,130 kg/m'



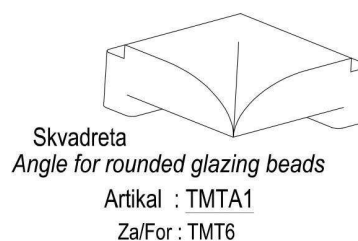
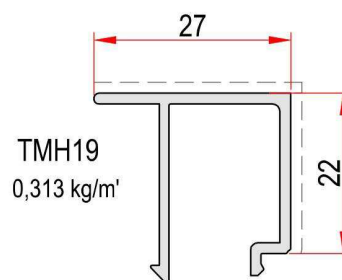
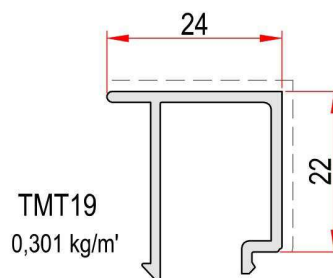
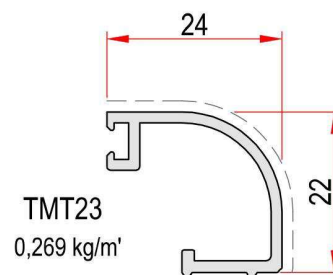
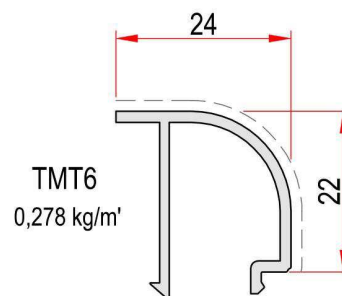
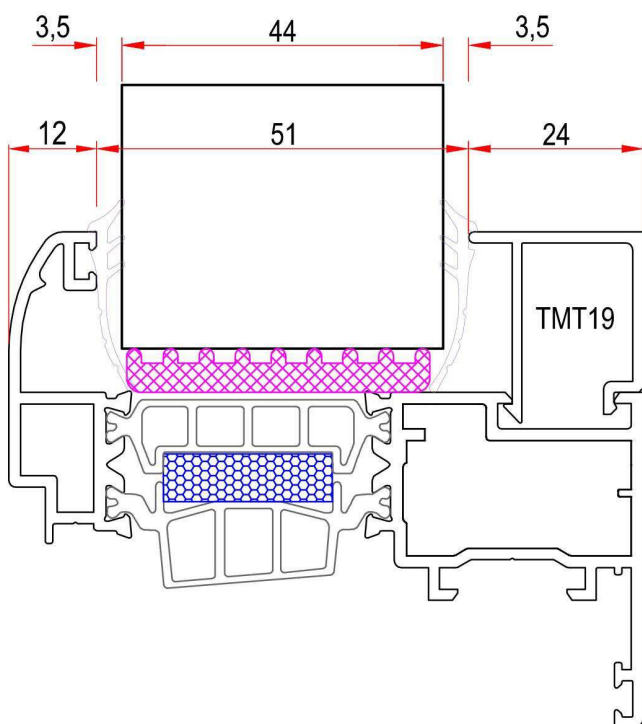
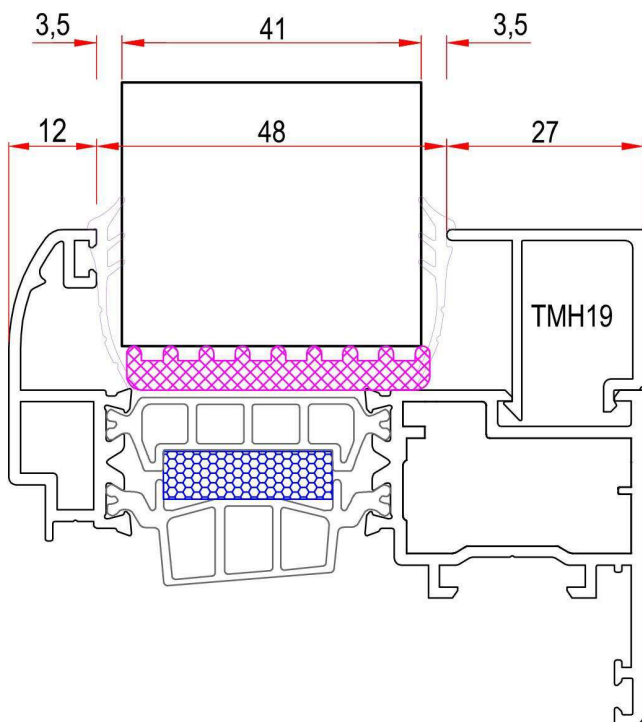
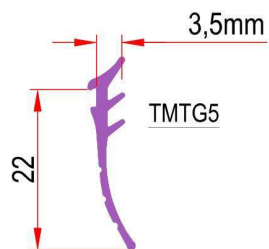
TMT317
0,925 kg/m'



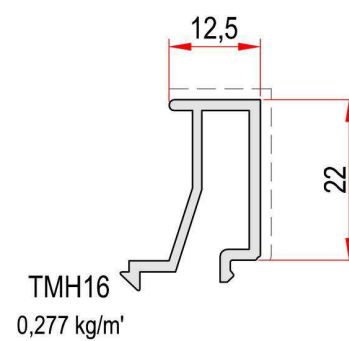
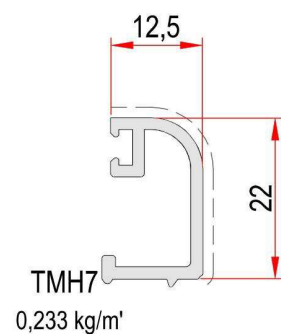
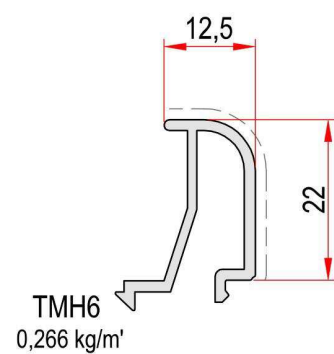
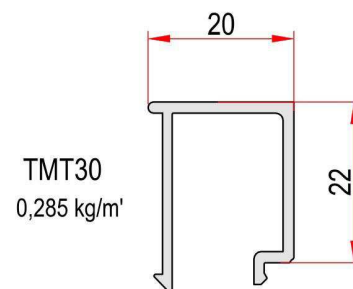
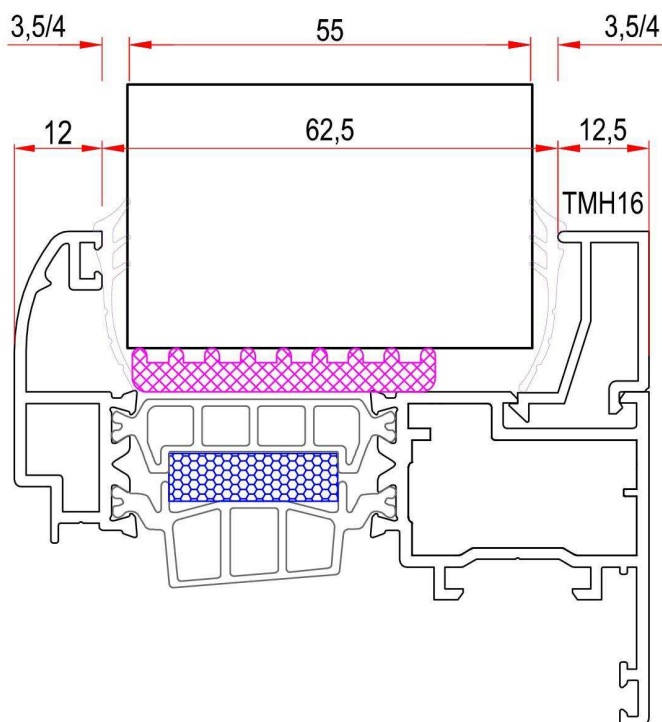
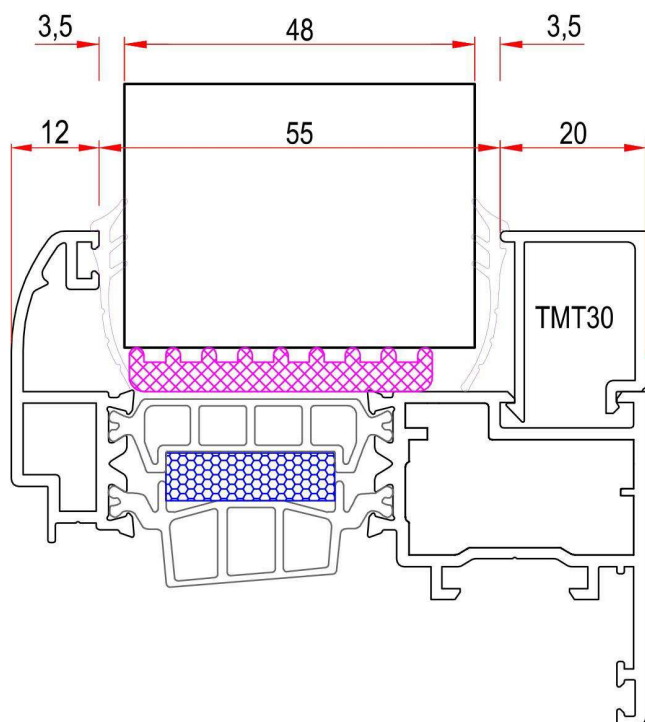
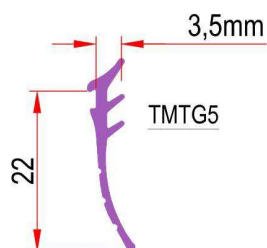
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0,381 kg/m'

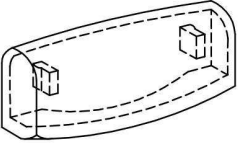
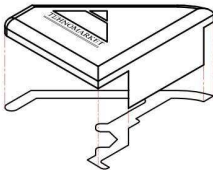
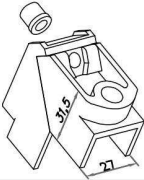
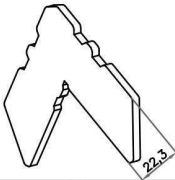
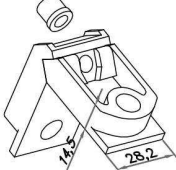
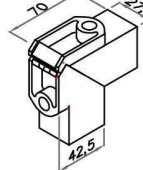
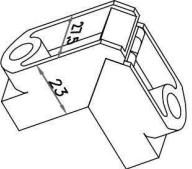
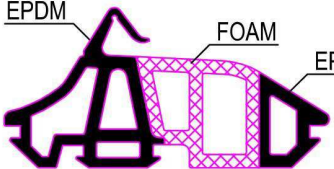
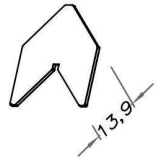
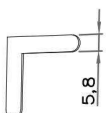
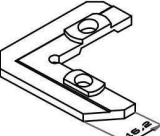
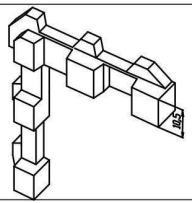
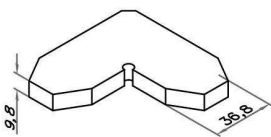
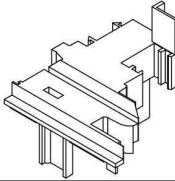
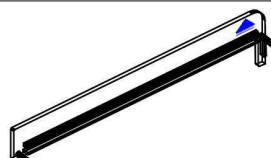
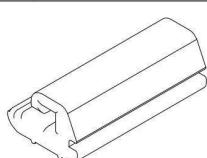


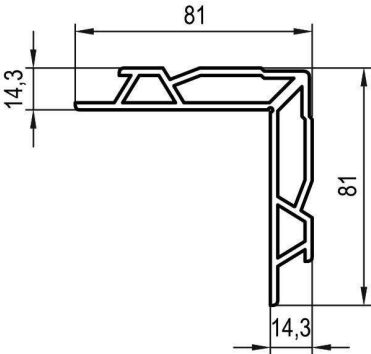
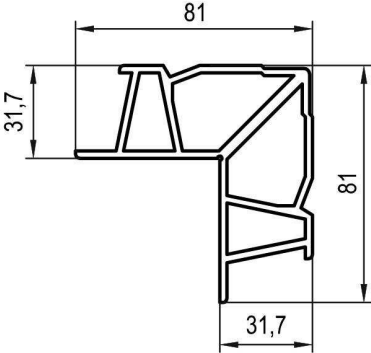
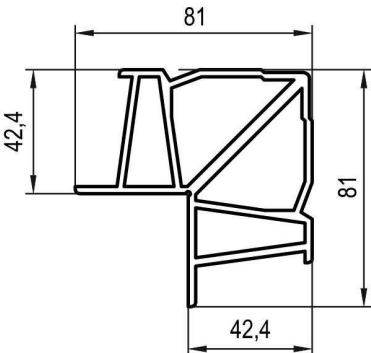
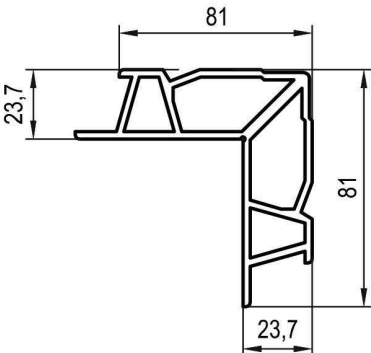
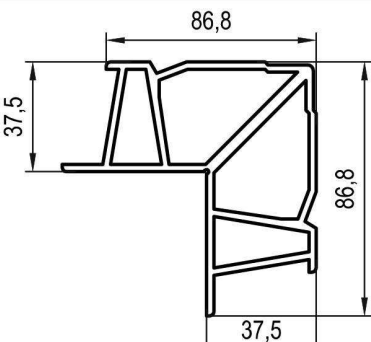
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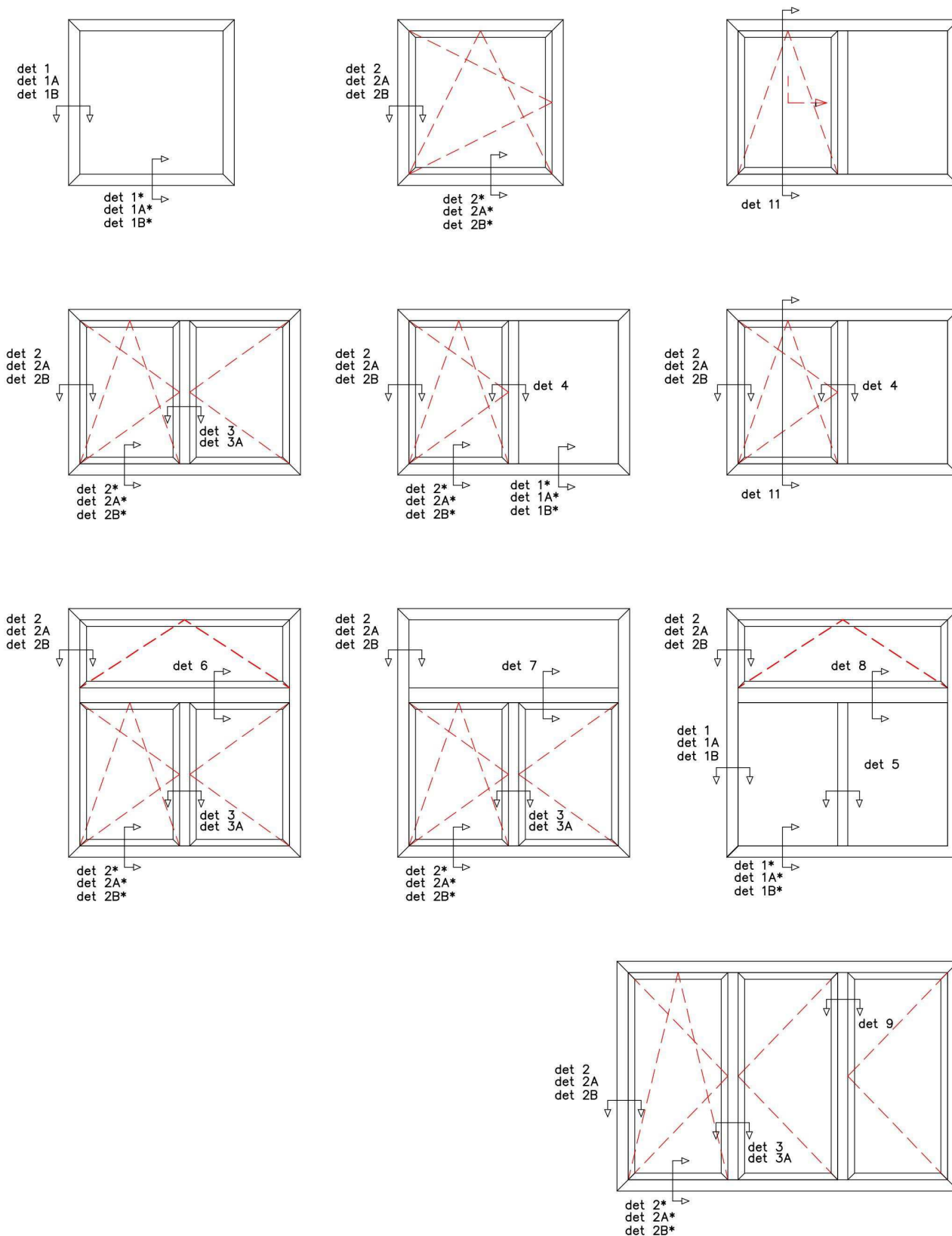


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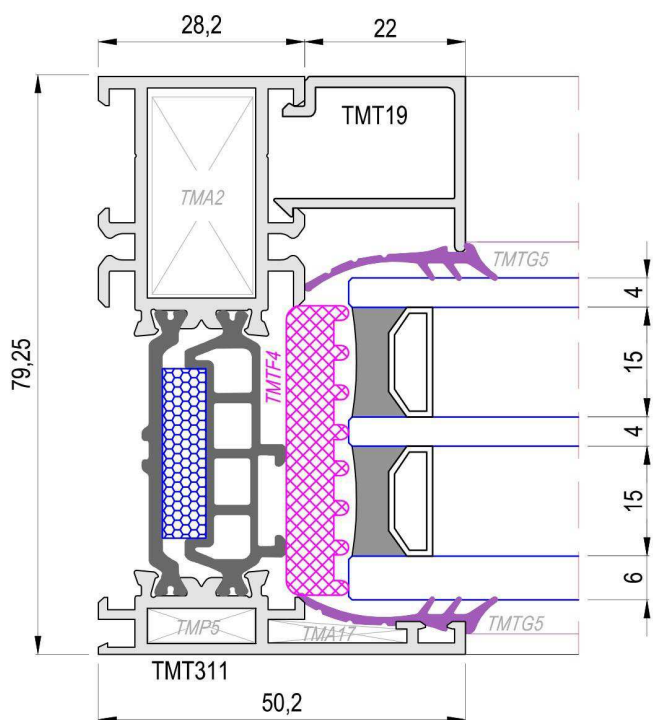


	PA umetak za zatvaranje <i>PA ending plug</i> Artikal : <u>TMP9</u> Za/For : Slot		PA umetak za zatvaranje <i>PA ending plug</i> Artikal : <u>TMP12</u> Za/For : TM36, TM42
	Al. ugaona patent spojica <i>Corner cleat</i> Artikal : <u>TMA1</u> Za/For : TMT301, TMT302,		PA ugaona spojica <i>PA corner cleat</i> Artikal : <u>TMP6</u> Za/For : TMT301, TMT302,
	Al. ugaona patent spojica <i>Corner cleat</i> Artikal : <u>TMA2</u> Za/For : TMT304, TMT311		Al. ugaona patent spojica <i>Corner cleat</i> Artikal : <u>TMA12</u> Za/For : TMT312
	Al. ugaona patent spojica <i>Corner cleat</i> Artikal : <u>TMA3</u> Za/For : TMT310	EPDM zaptivke <i>EPDM gaskets</i>  EPDM FOAM EPDM TMTG3 U ramu <i>In frame</i>	
	Limena ugaona spojica <i>Tin corner cleat</i> Artikal : <u>TMA18</u> <i>debljina 1 mm</i> Za/For : TMT4, TMT12, TMT26, TMT29	 TMG5 U krilu <i>In sash</i> TMG6	
	PA ugaona spojica <i>PVC corner cleat</i> Artikal : <u>TMP3</u> Za/For : TMT310	 TMTG3 U staklo <i>In glass</i>	
	Ekscentar ugaona spojica <i>corner cleat</i> Artikal : <u>TMA17</u> Za/For : TMT301, TMT302, TMT311		
	ugaona spojica <i>corner cleat</i> Artikal : <u>TMA13</u> Za/For : TMT304, TMT311	 Al. "T" spojica <i>Al. "T" joint</i> Artikal : <u>TMA4</u> Za/For : TMT302	
	PA ugaona spojica <i>PA corner cleat</i> Artikal : <u>TMP7</u> Za/For : TMT312	 Poliamidni umetak za zatvaranje <i>Polyamide ending plug</i> Artikal : <u>TMT3</u> 1+1 Za/For : TMT309	
	PA umetak za zatvaranje <i>PA ending plug</i> Artikal : <u>TMP13</u> 1+1 Za/For : TM47	 PA Slajder <i>PA Slider</i> Artikal : <u>TMP4</u> Za/For : TMT23	

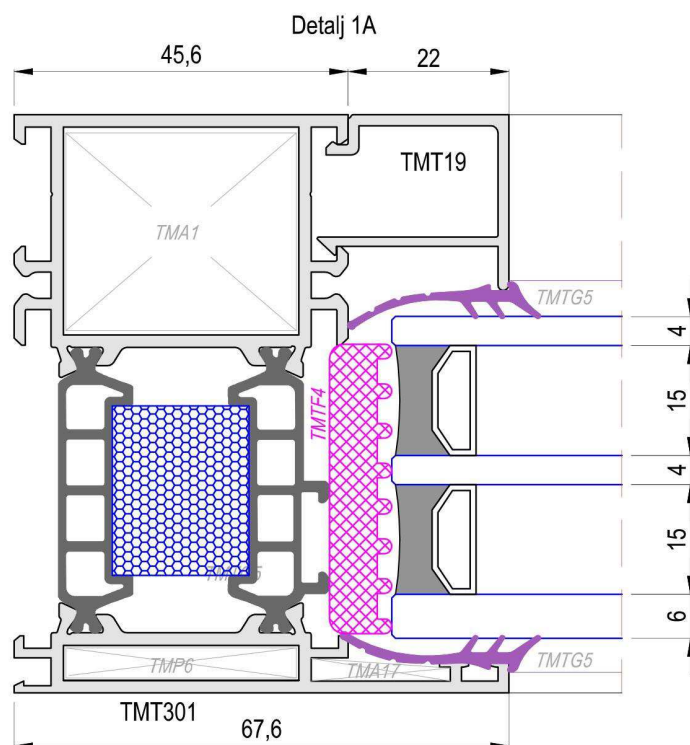
	Al. ugaona spojnica za utiskivanje <i>Corner chamfer cleat</i> Artikal : <u>TM52</u> Za/For : TMT304, TMT311, TMT325, TMT326, TMT328
	Al. ugaona spojnica za utiskivanje <i>Corner chamfer cleat</i> Artikal : <u>TM53</u> Za/For : TMT301, TMT302
	Al. ugaona spojnica za utiskivanje <i>Corner chamfer cleat</i> Artikal : <u>TM54</u> Za/For : TMT312
	Al. ugaona spojnica za utiskivanje <i>Corner chamfer cleat</i> Artikal : <u>TM55</u> Za/For : TMT310
	Al. ugaona spojnica za utiskivanje <i>Corner chamfer cleat</i> Artikal : <u>TM59</u> Za/For : TMT329



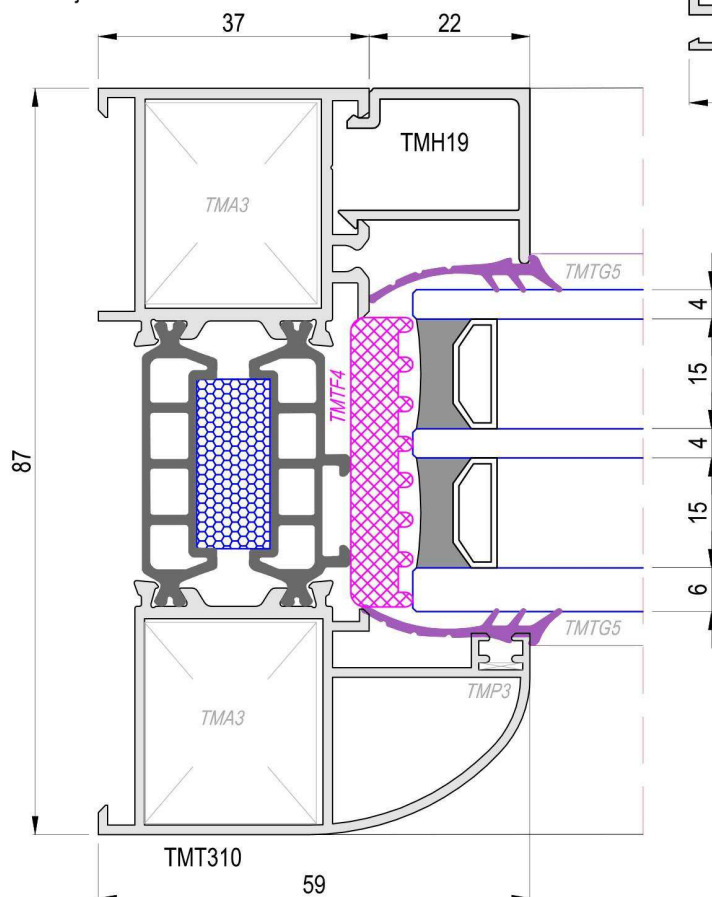
R 1:1



Detalj 1



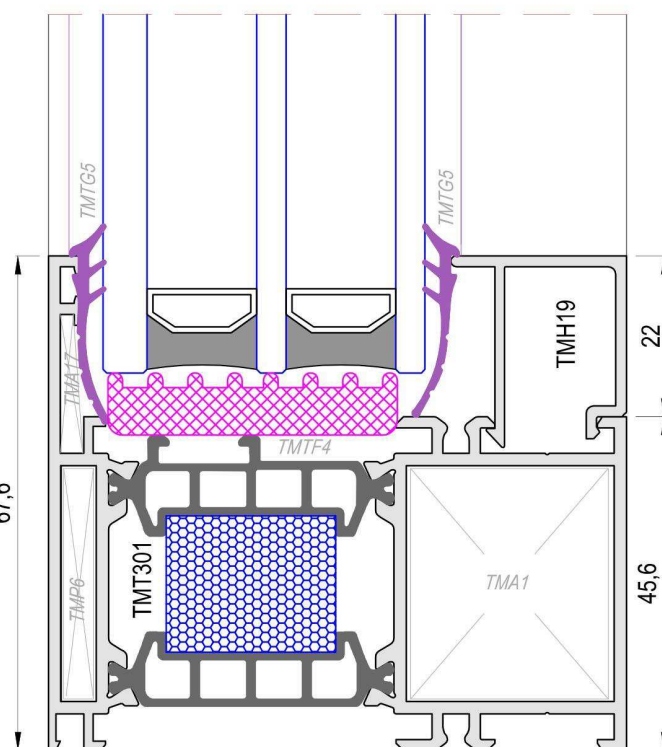
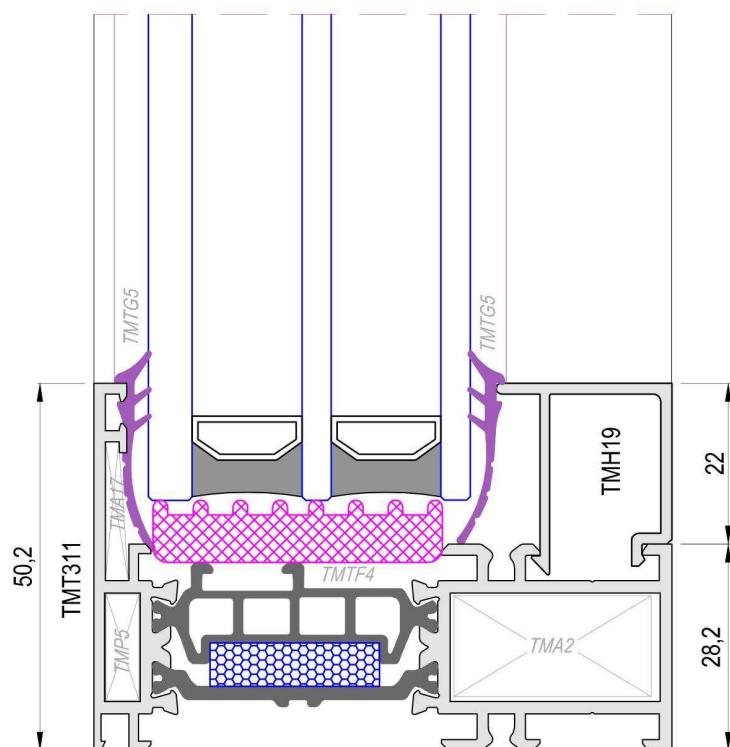
Detalj 1B



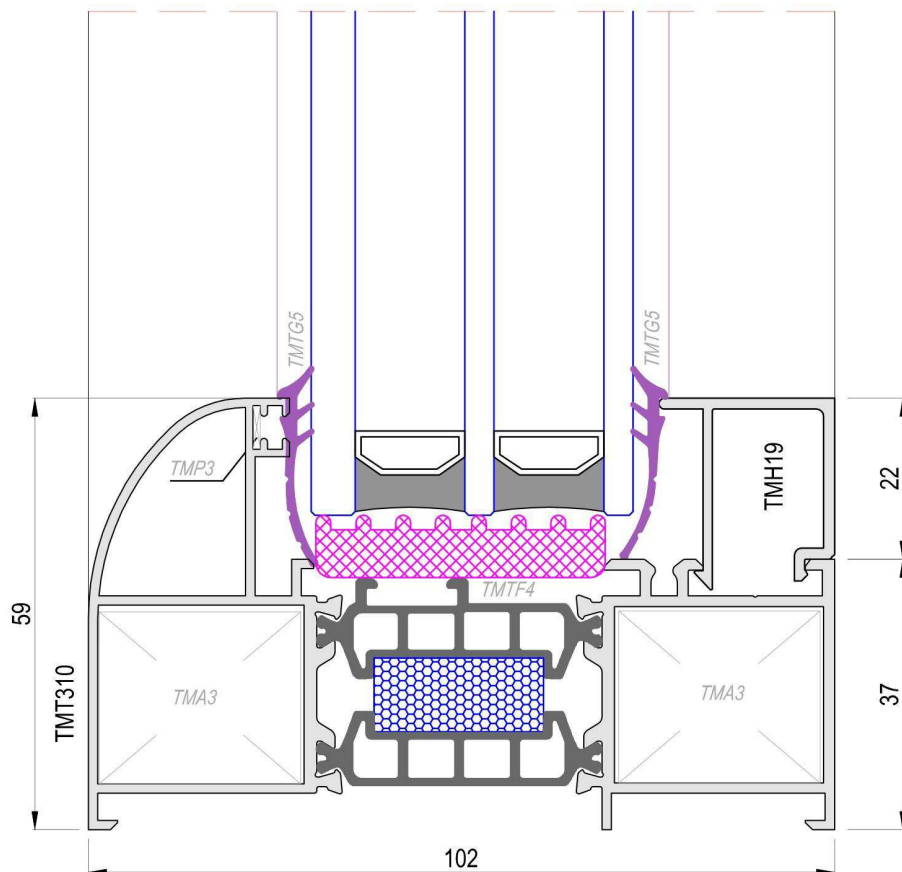
R 1:1

Detalj 1*

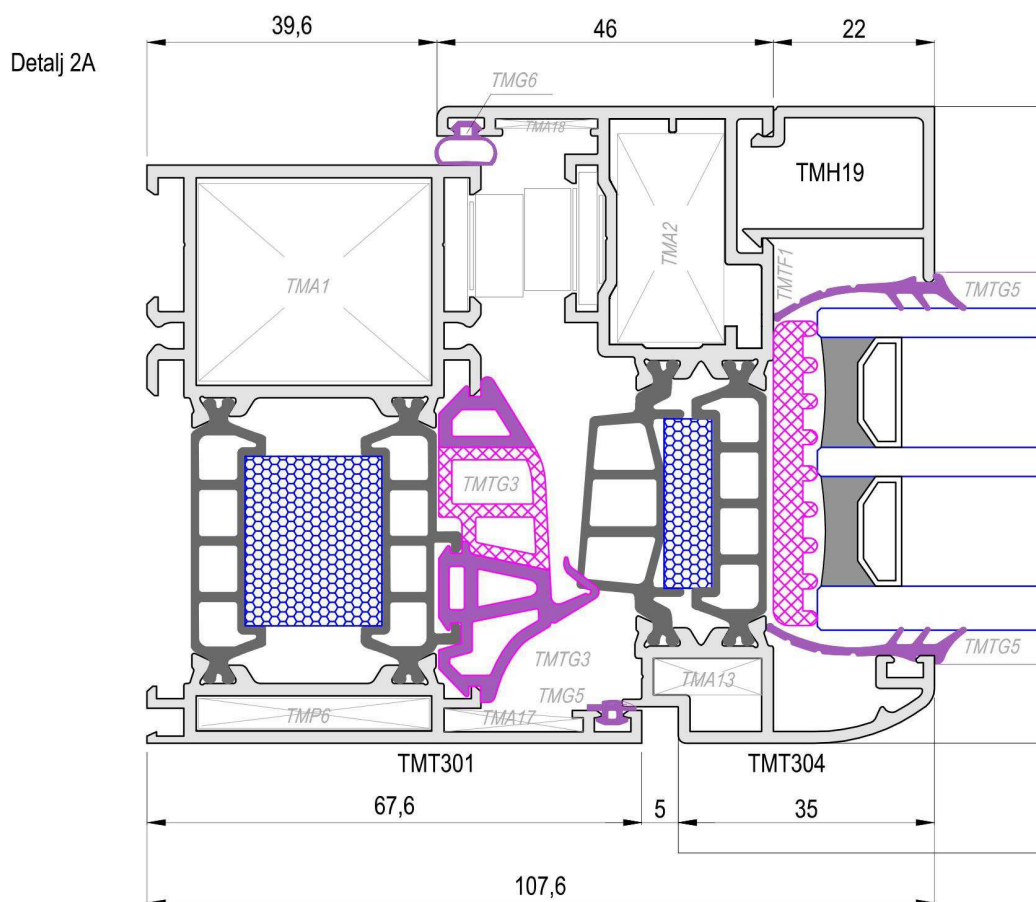
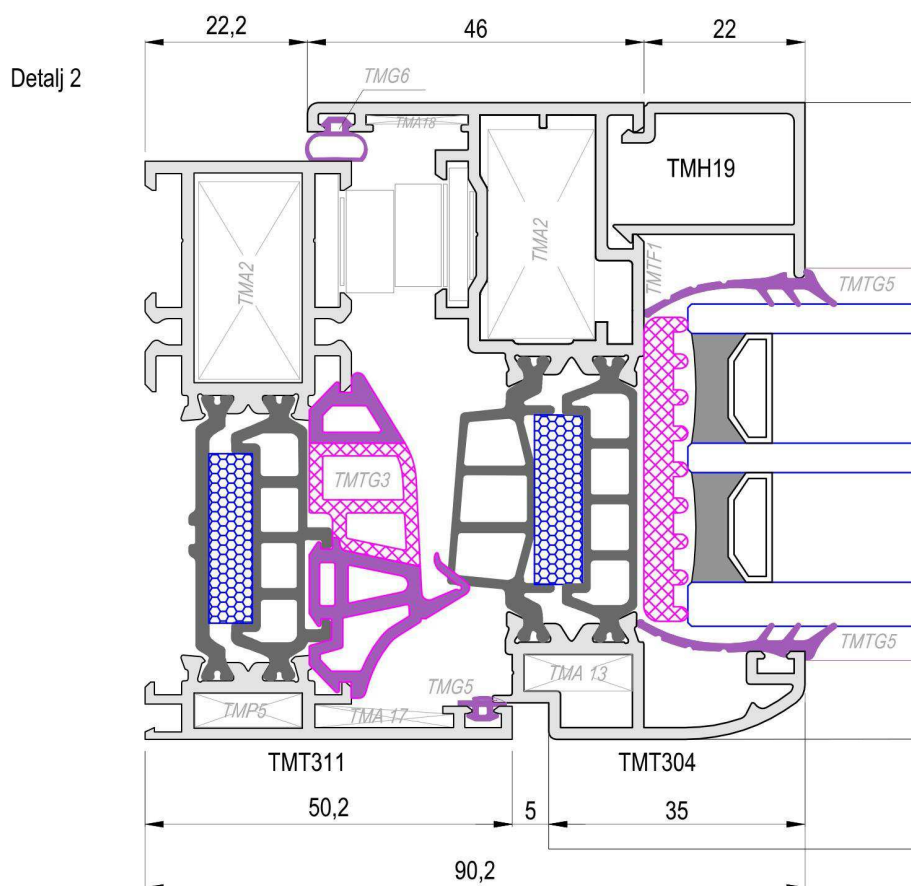
Detalj 1A*



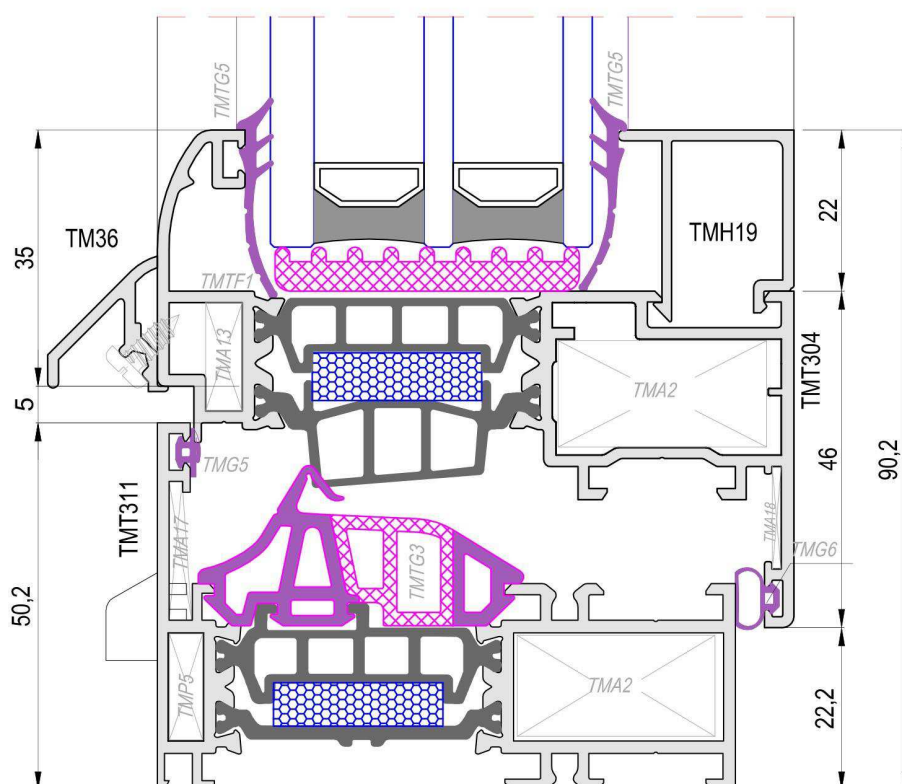
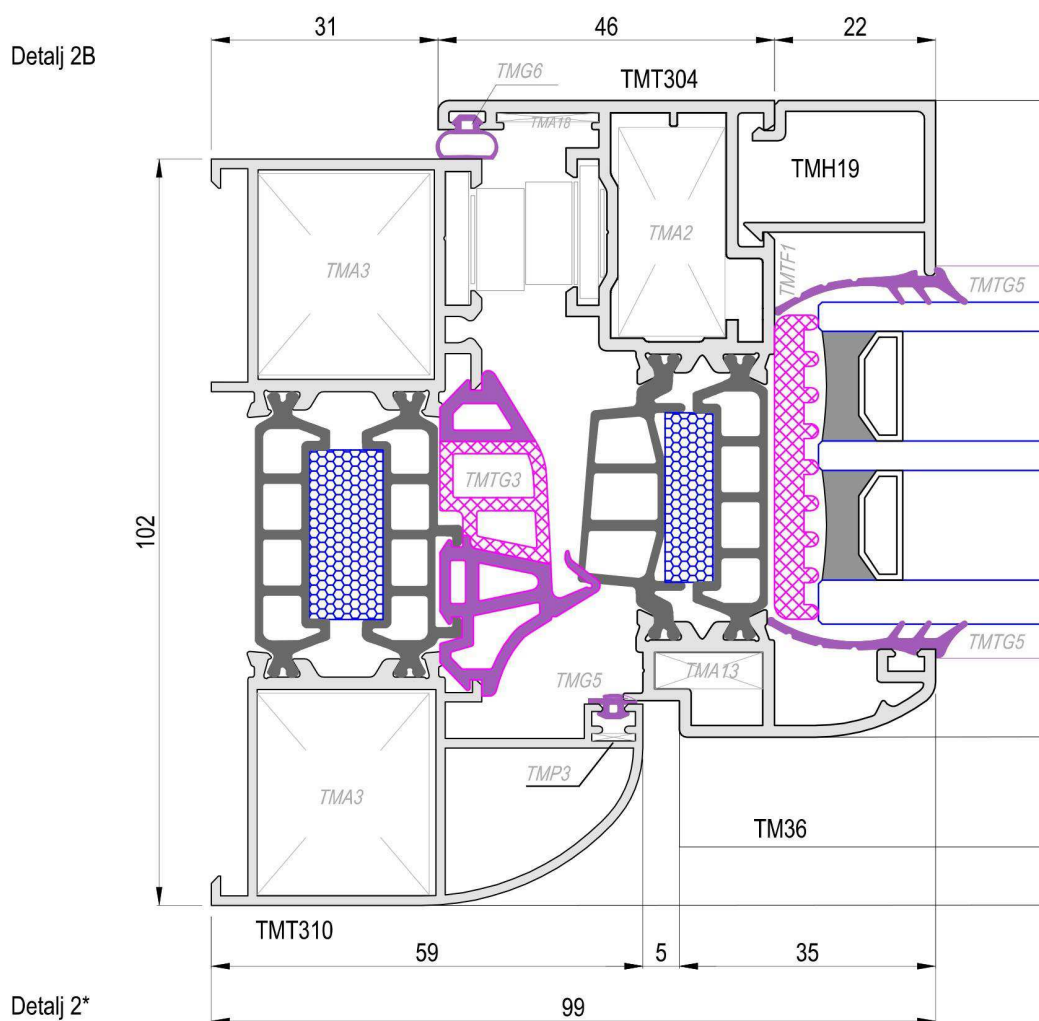
Detalj 1B*



R 1:1

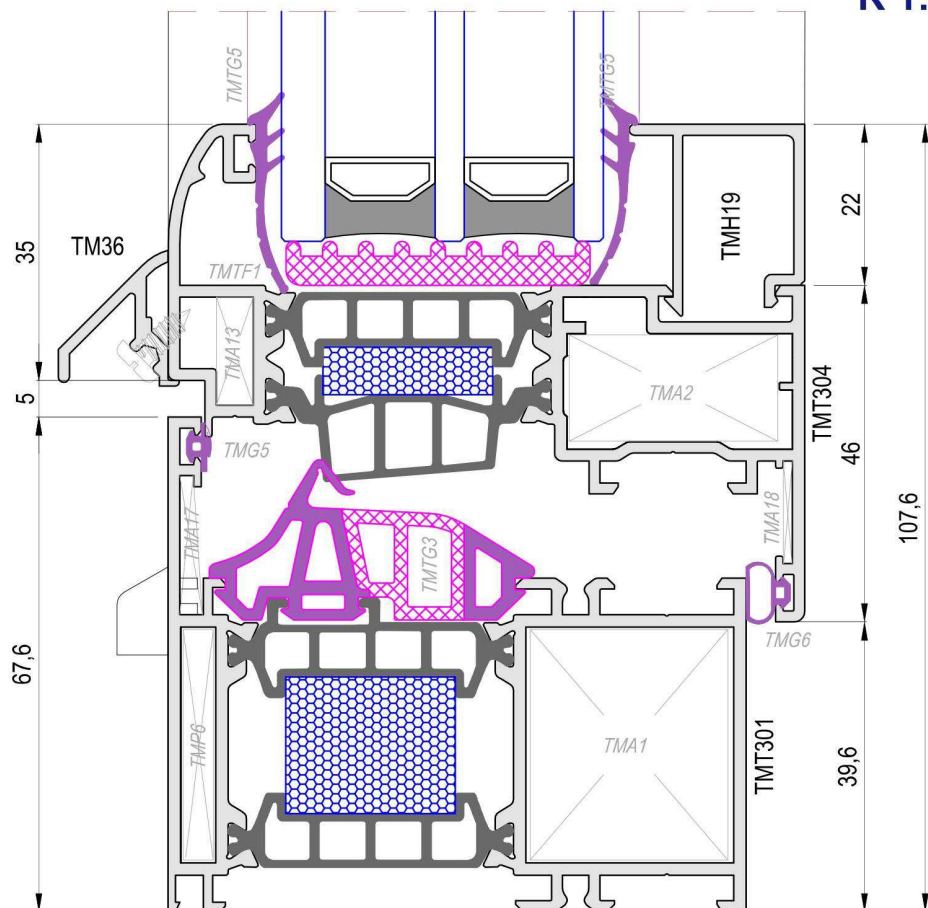


R 1:1

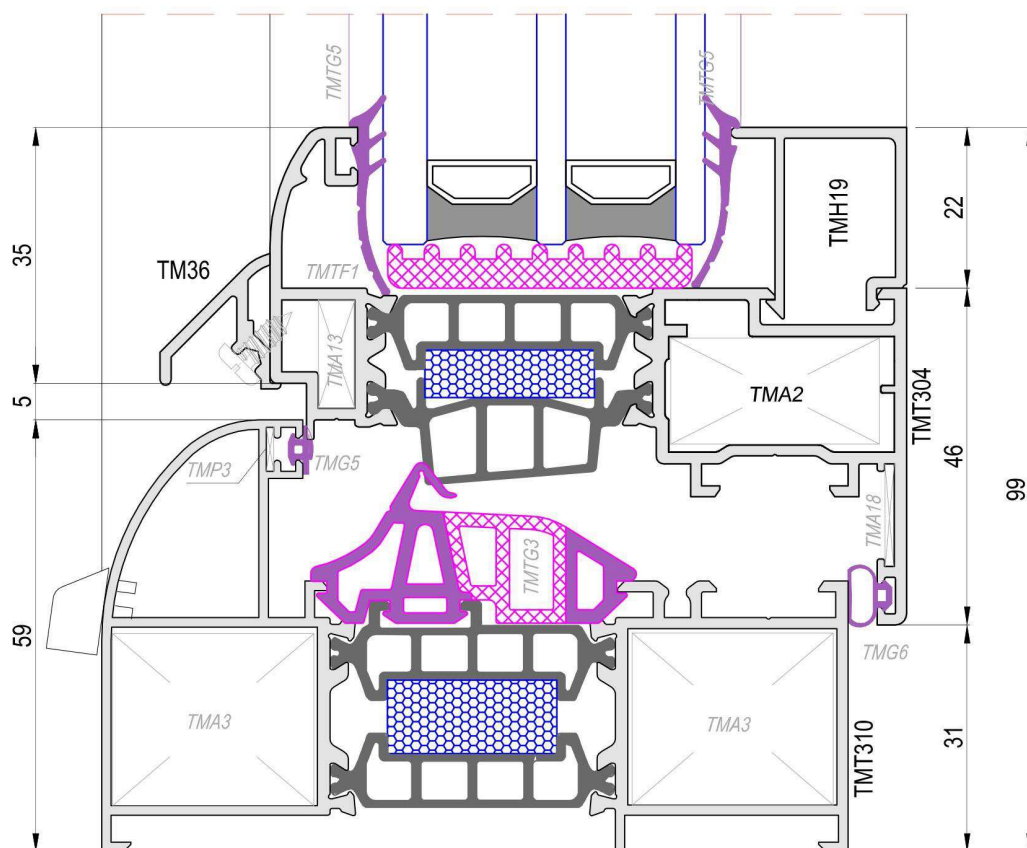


R 1:1

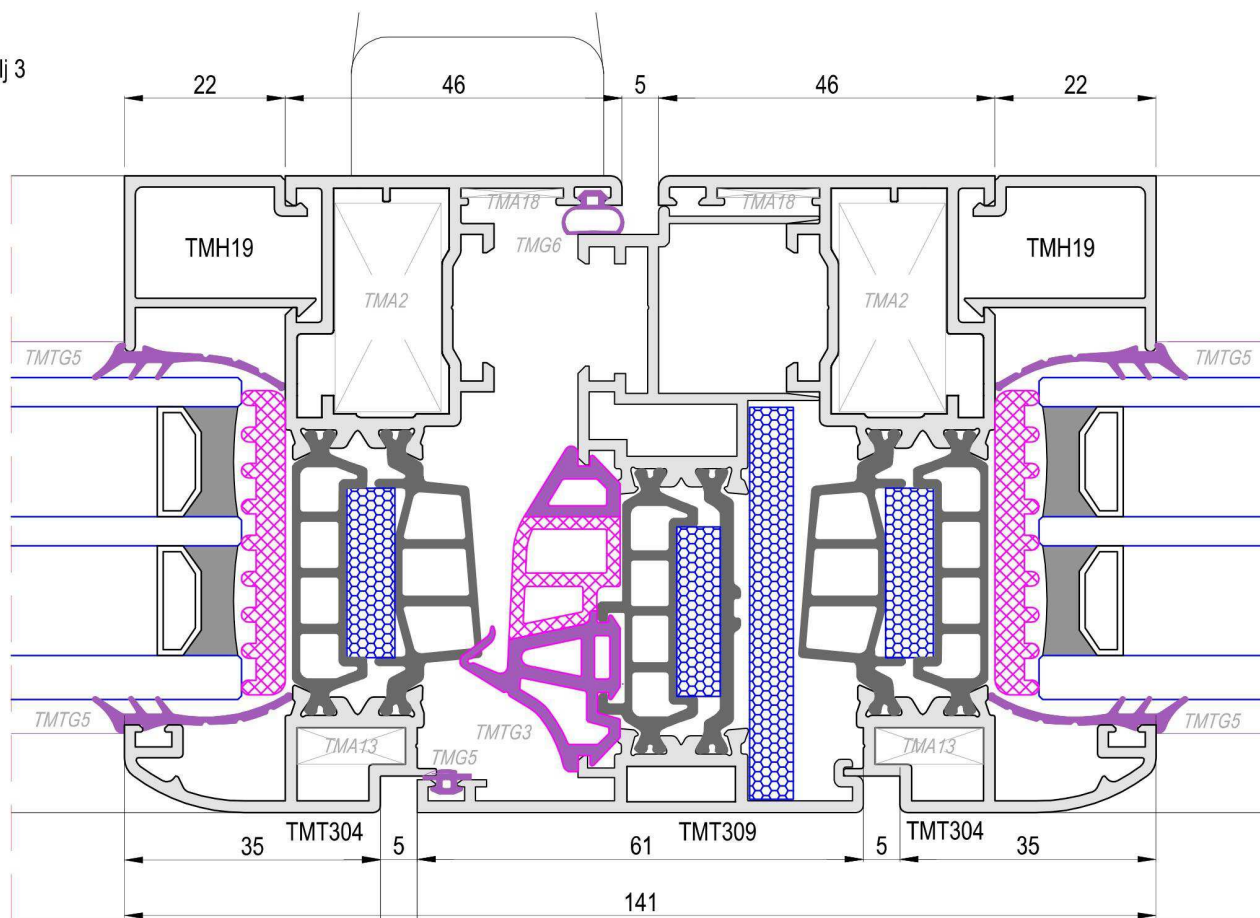
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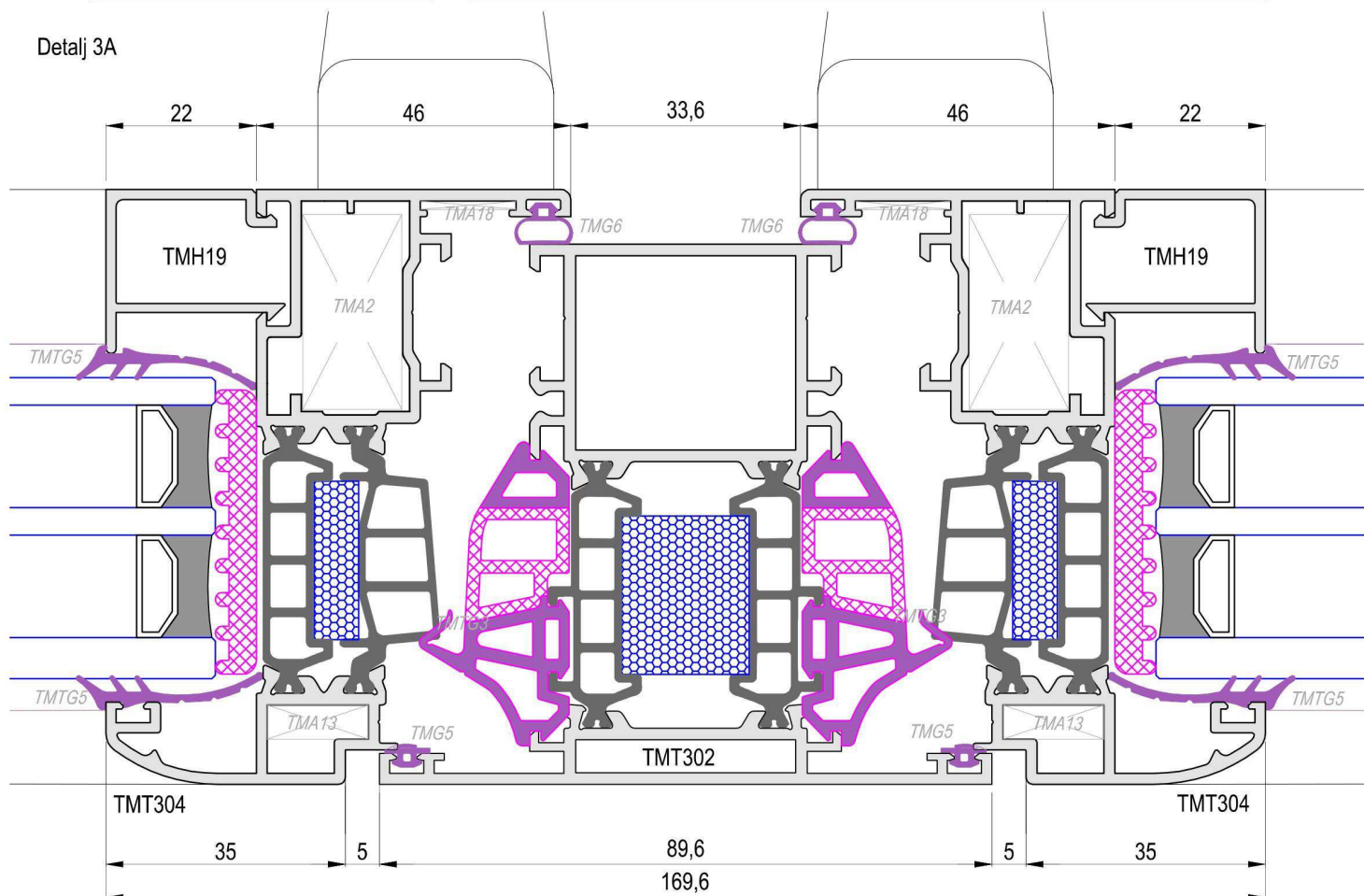
Detalj 2B*



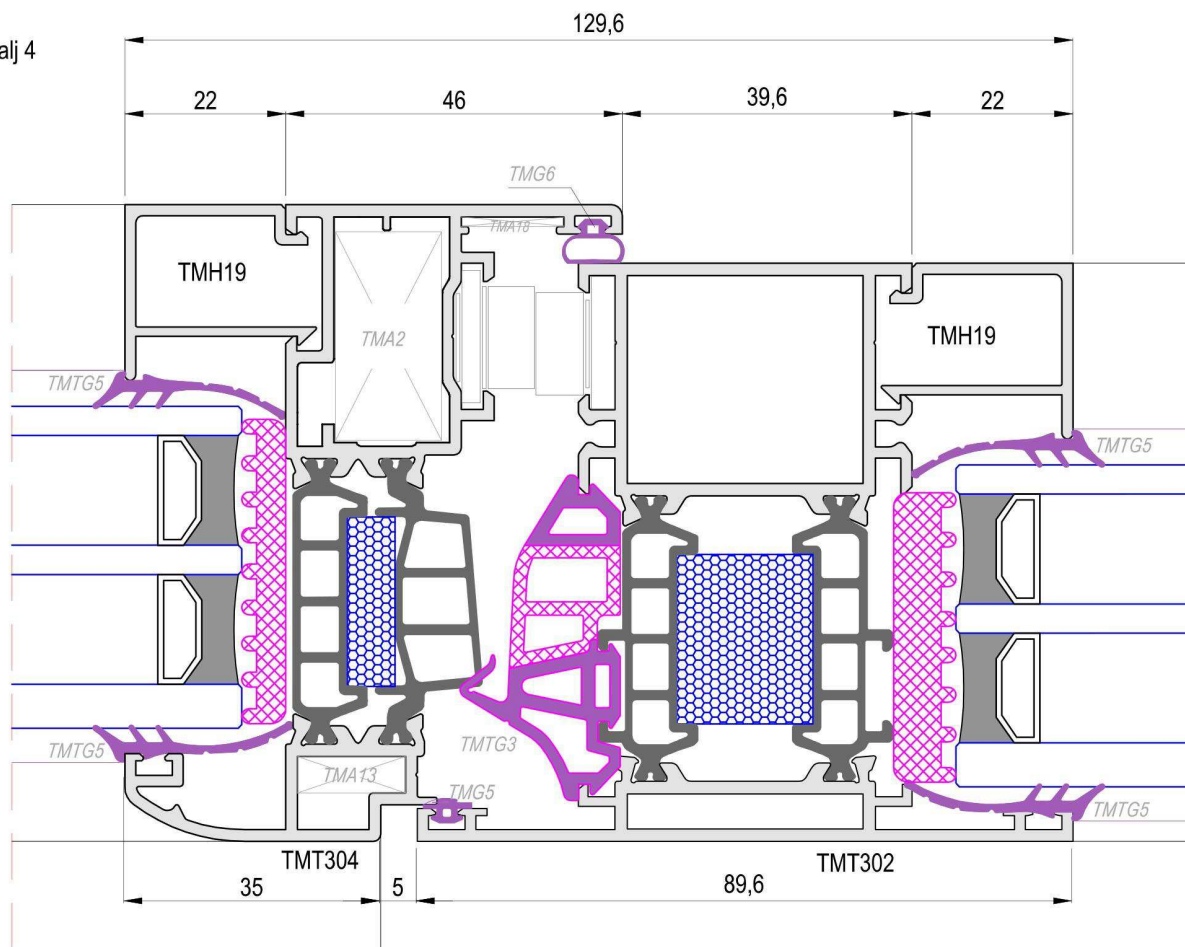
Detalj 3



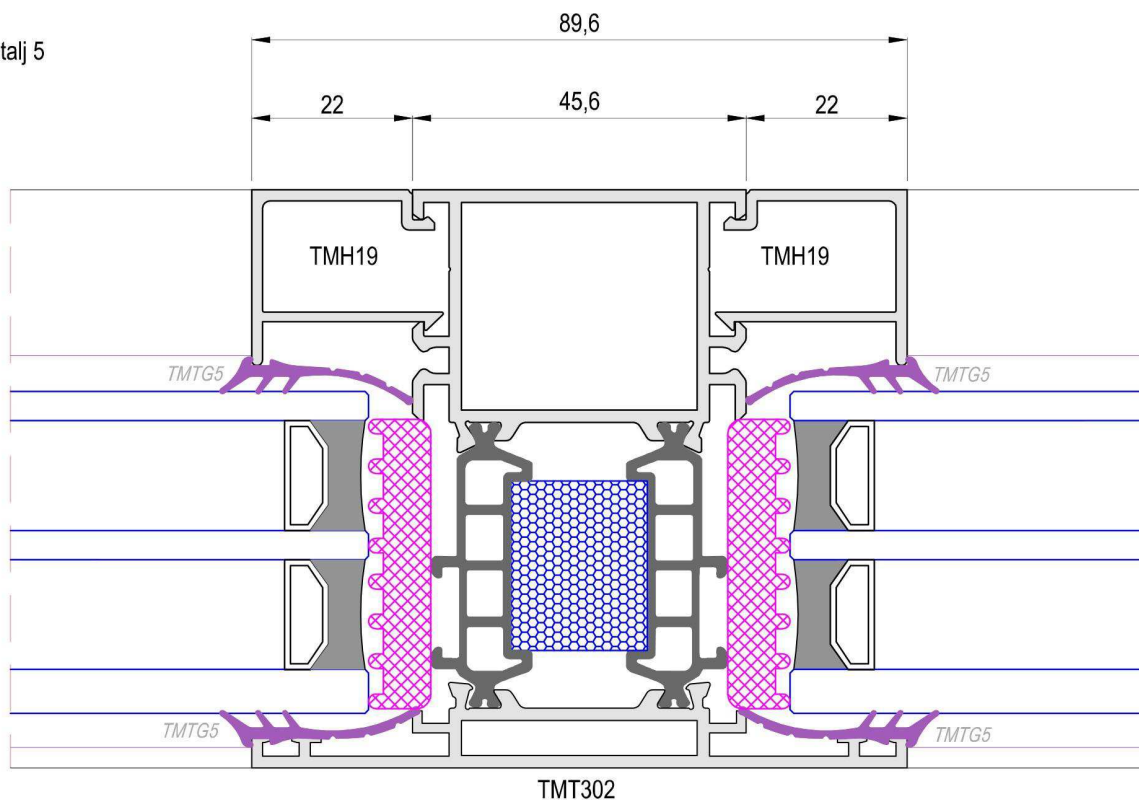
Detalj 3A



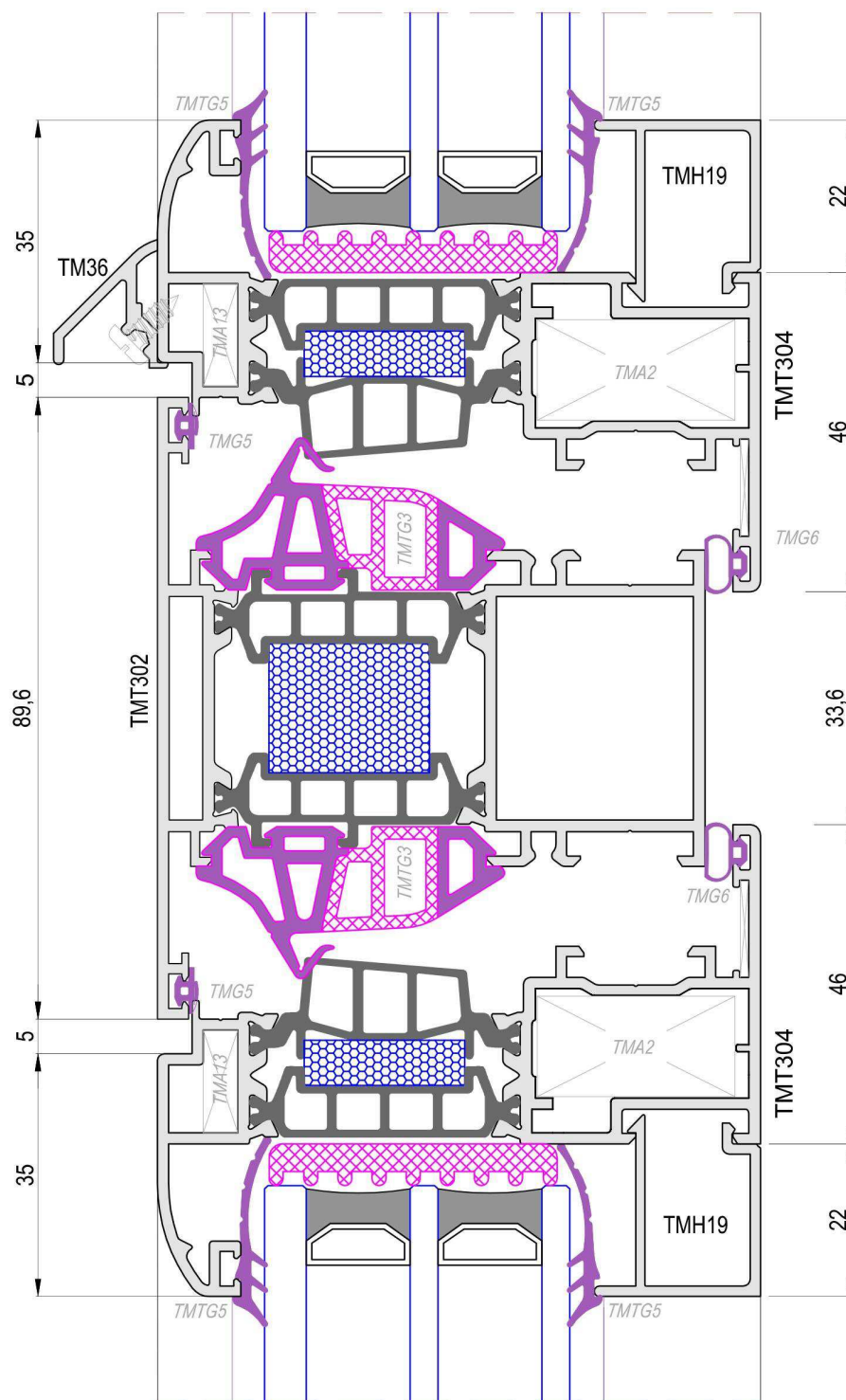
Detalj 4



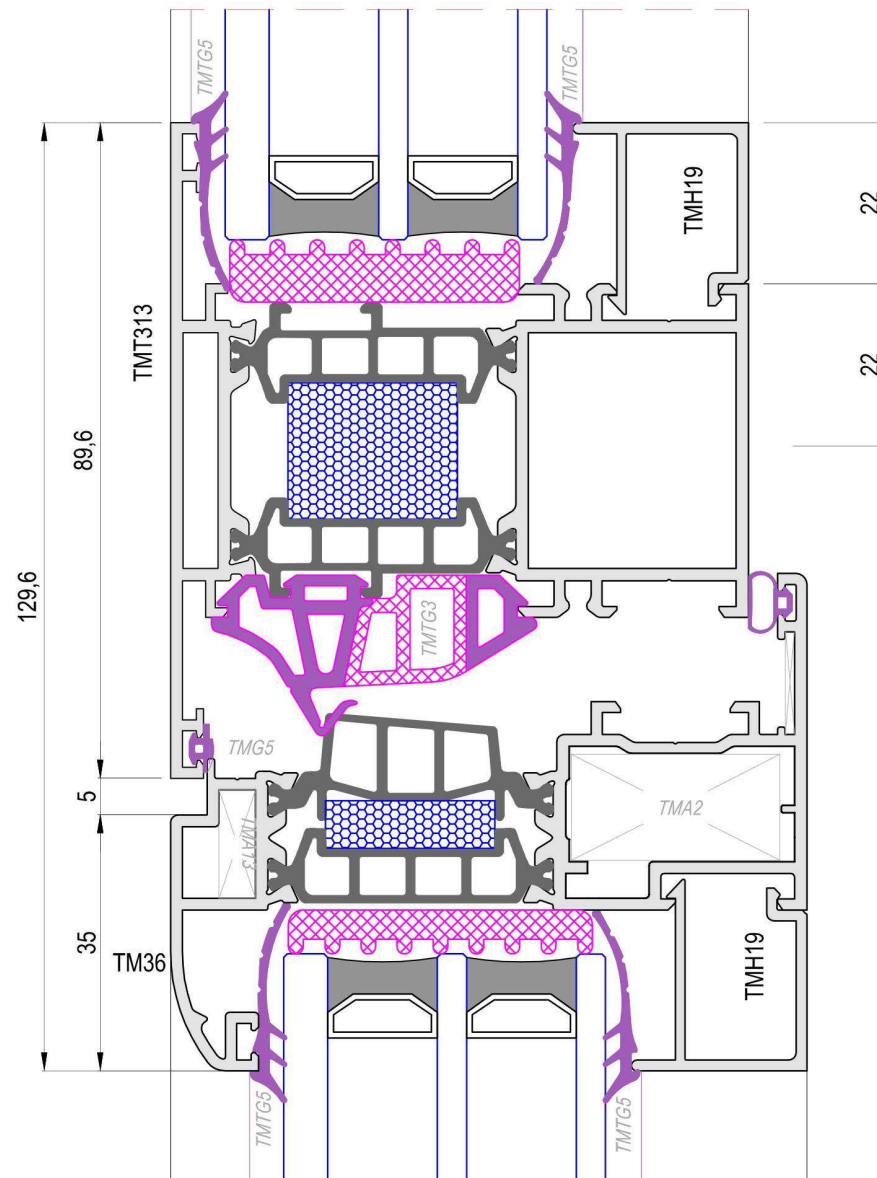
Detalj 5

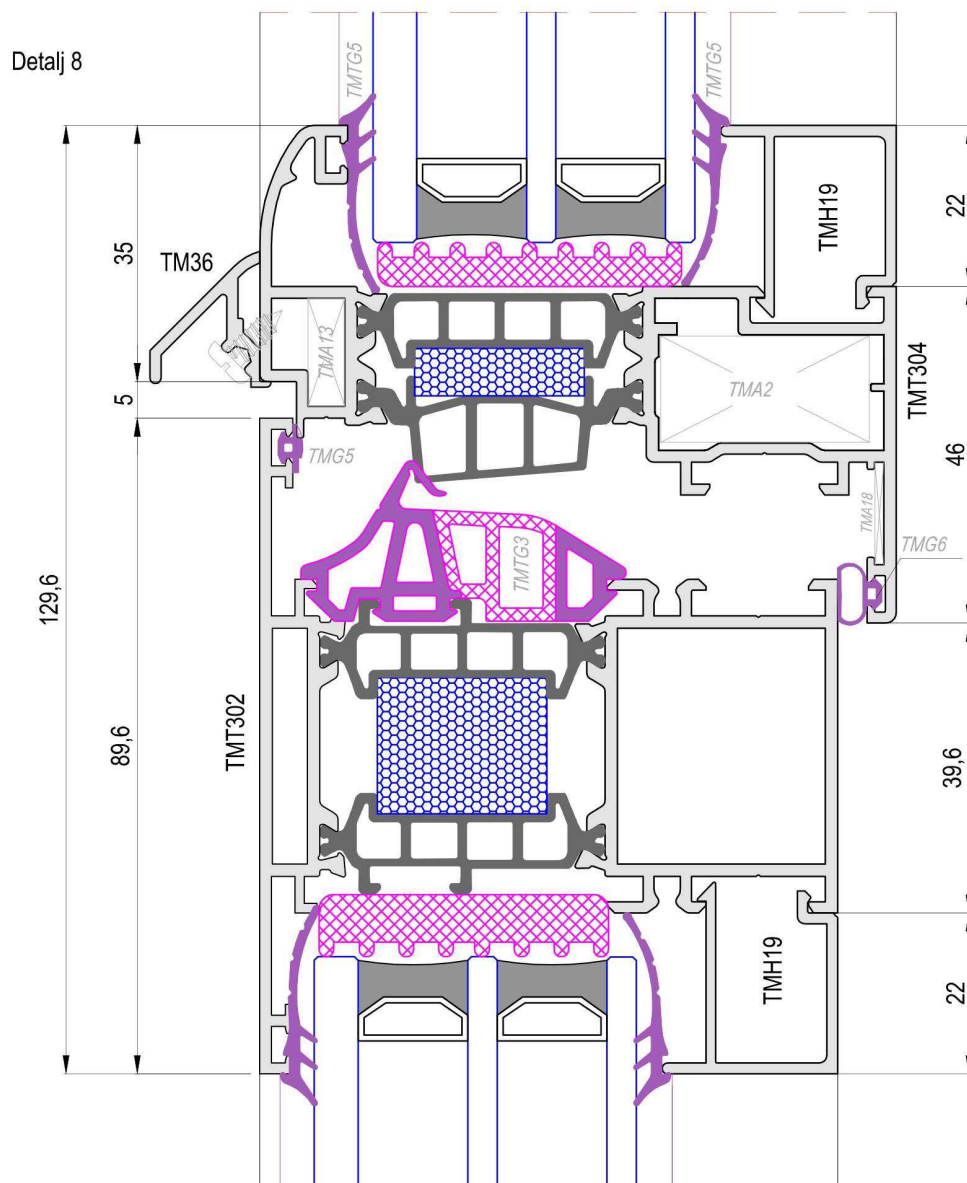


Detalj 6

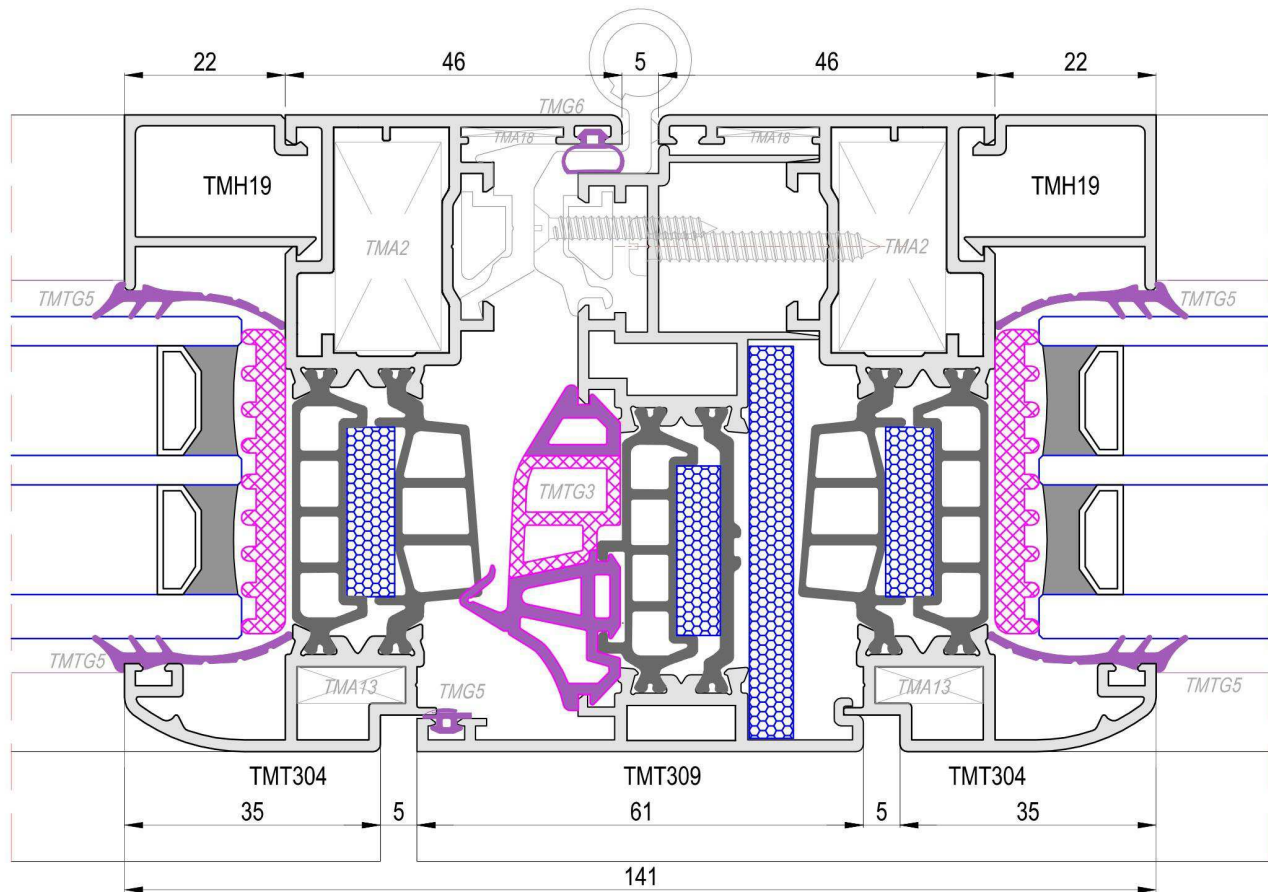


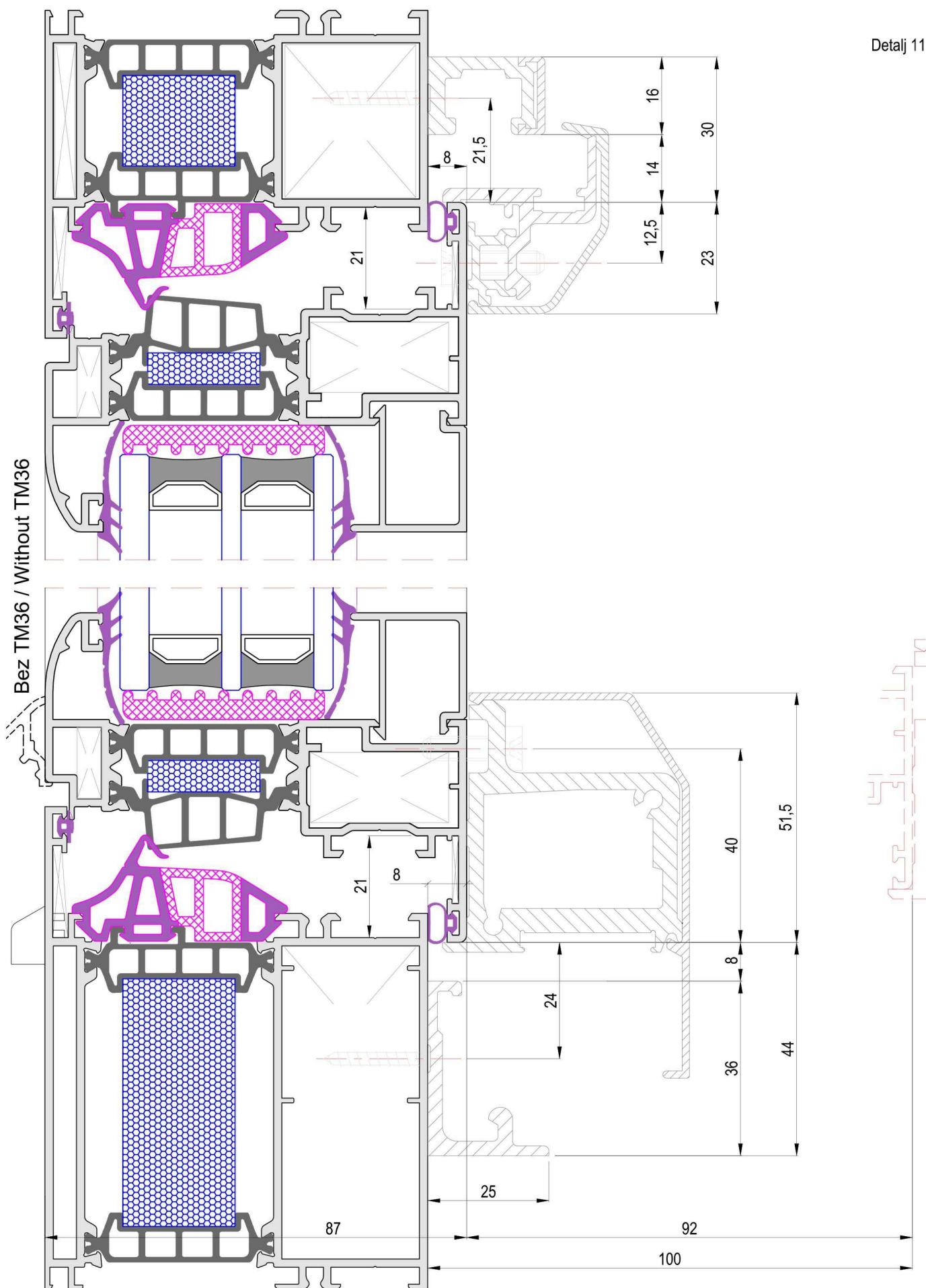
Detalj 7

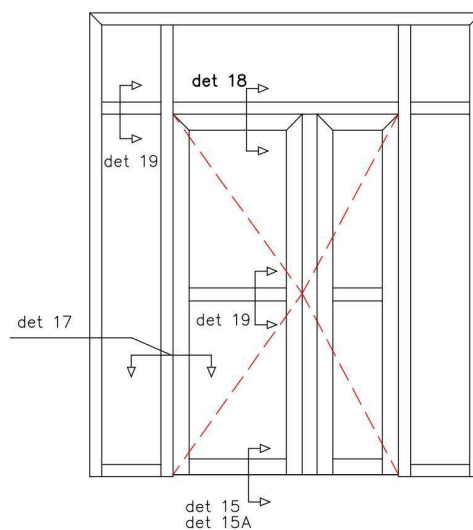
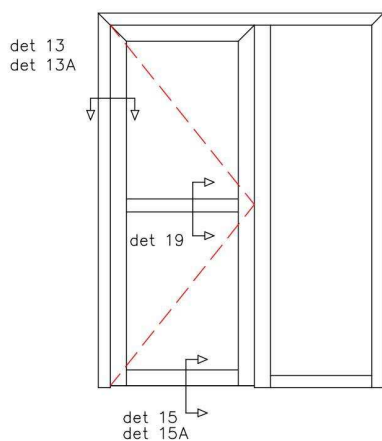
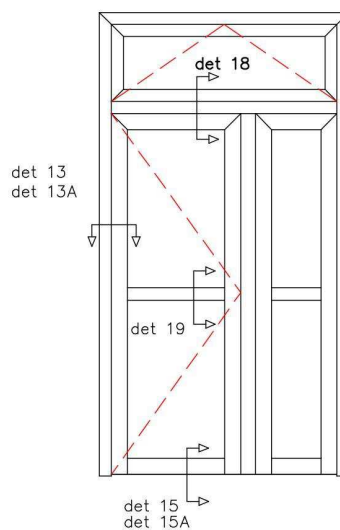
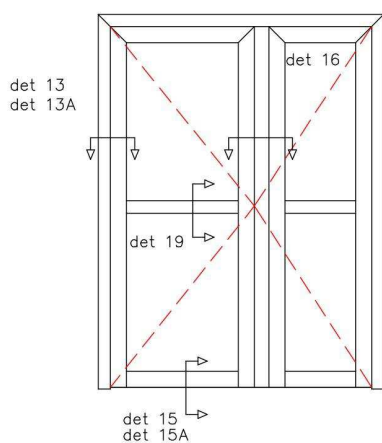
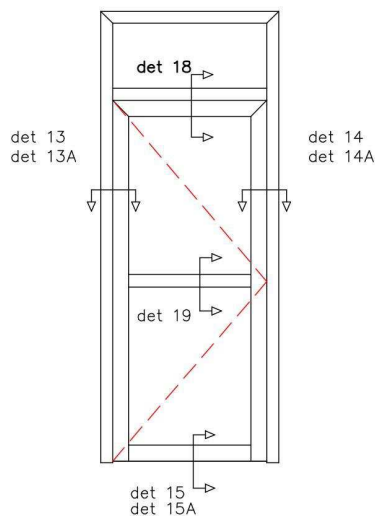
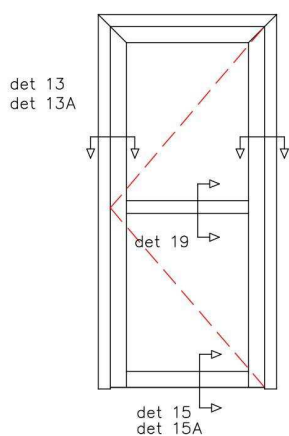




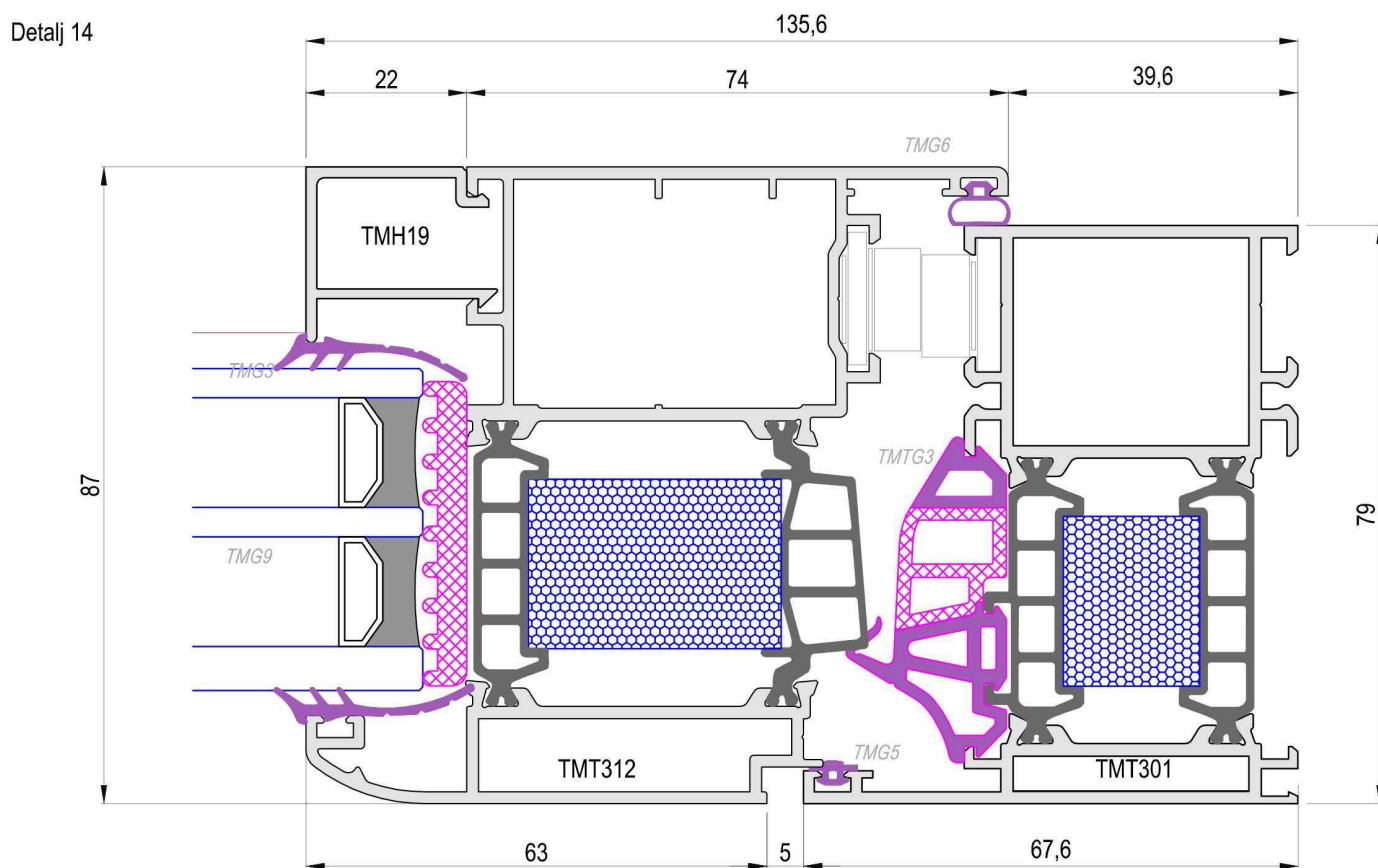
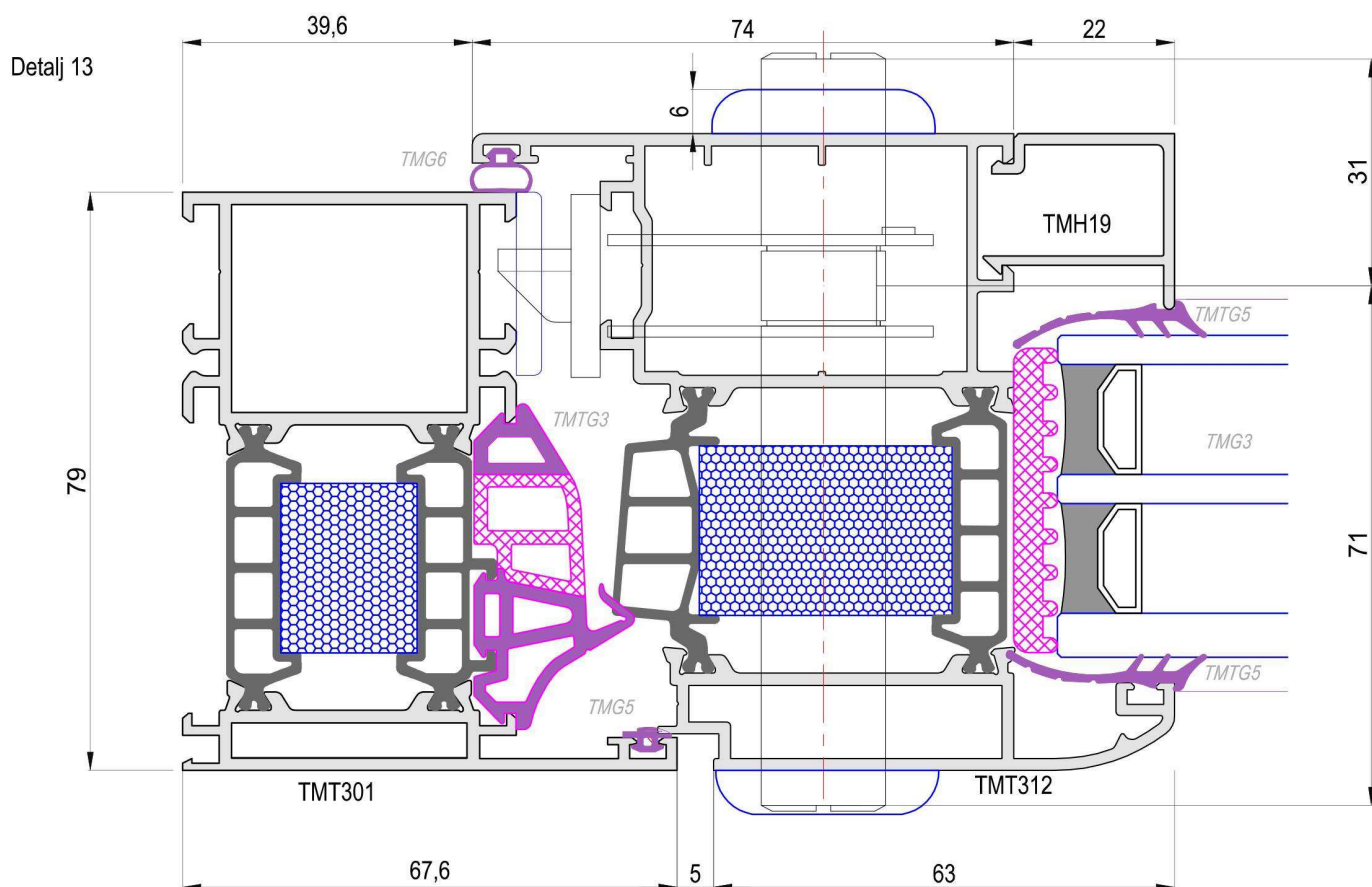
Detalj 9



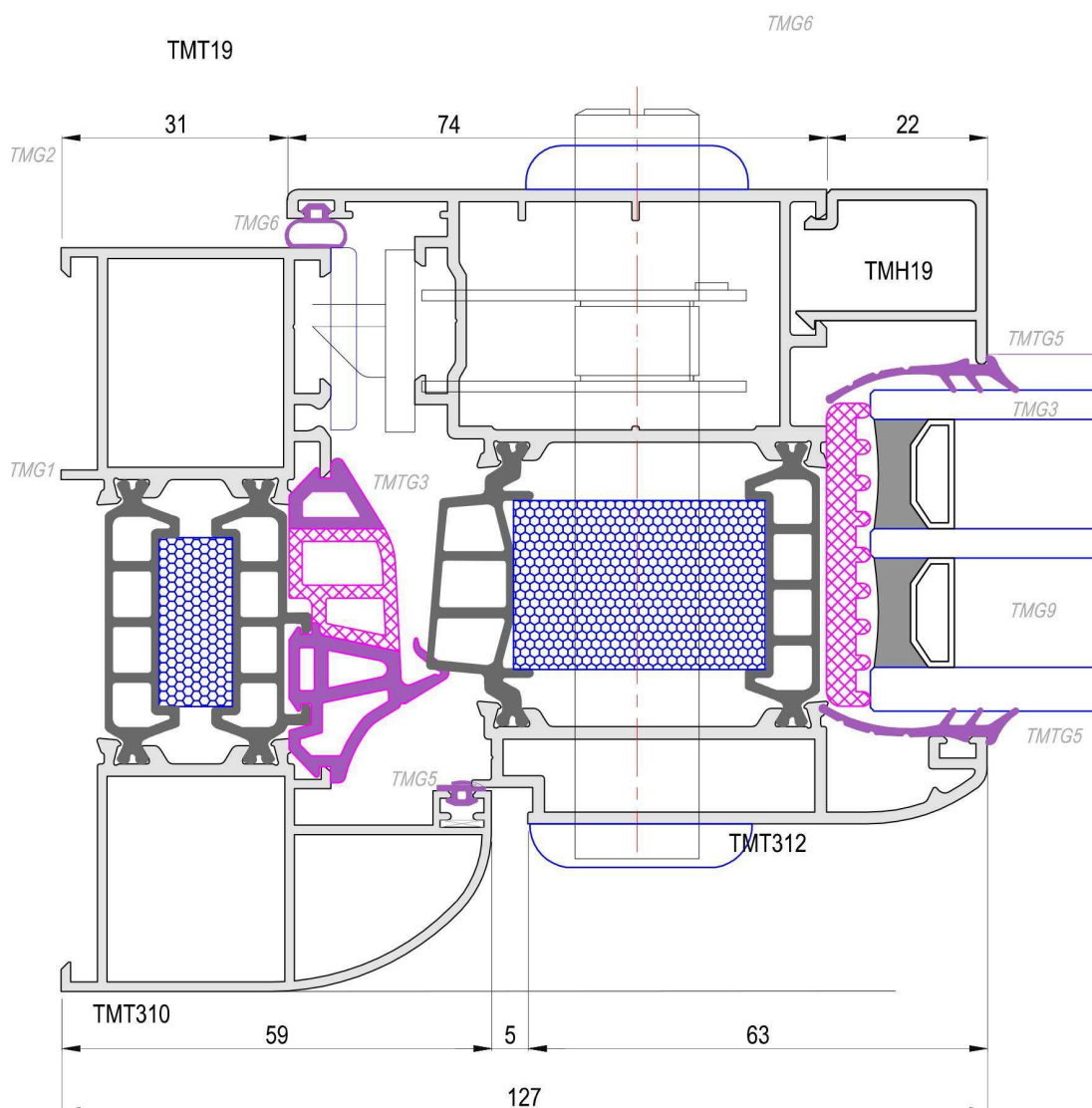




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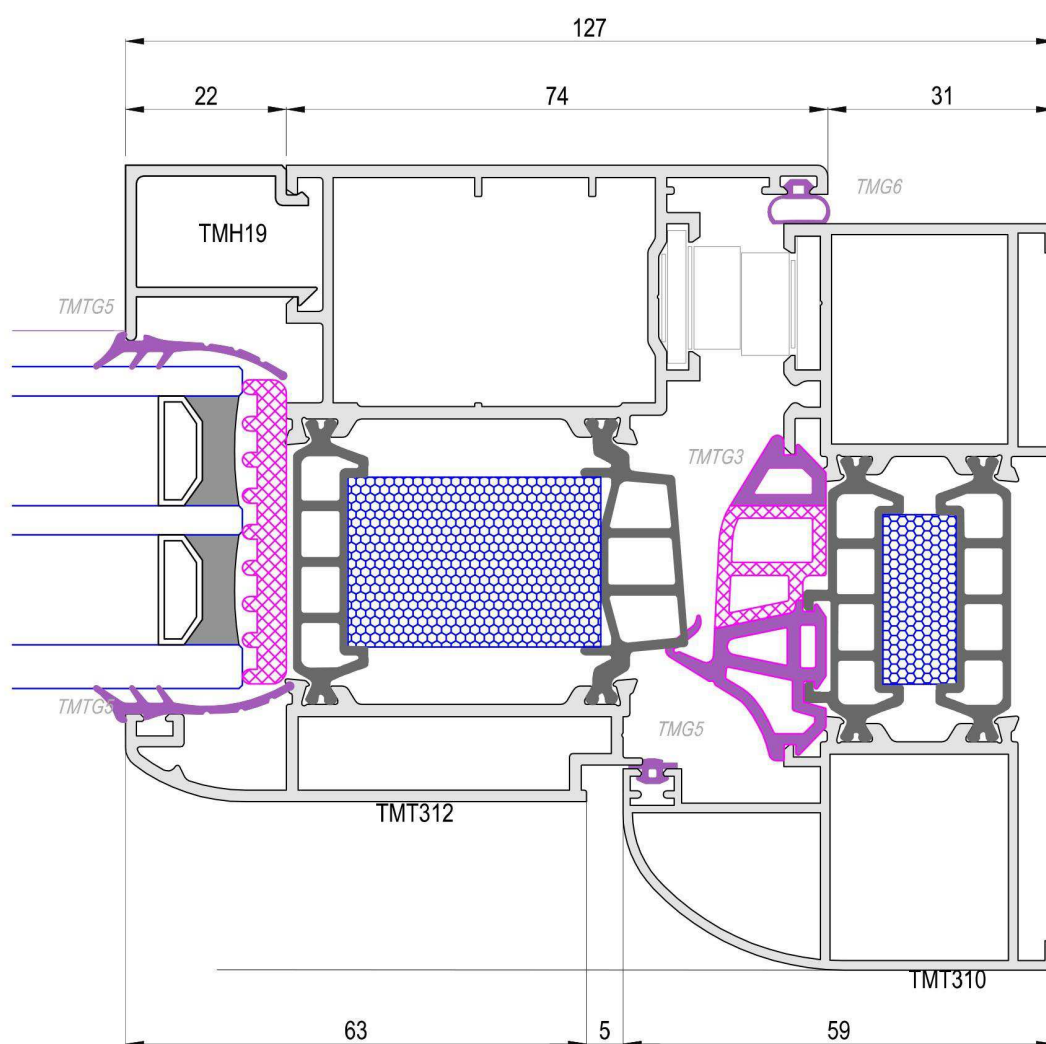


Detalj 13 A

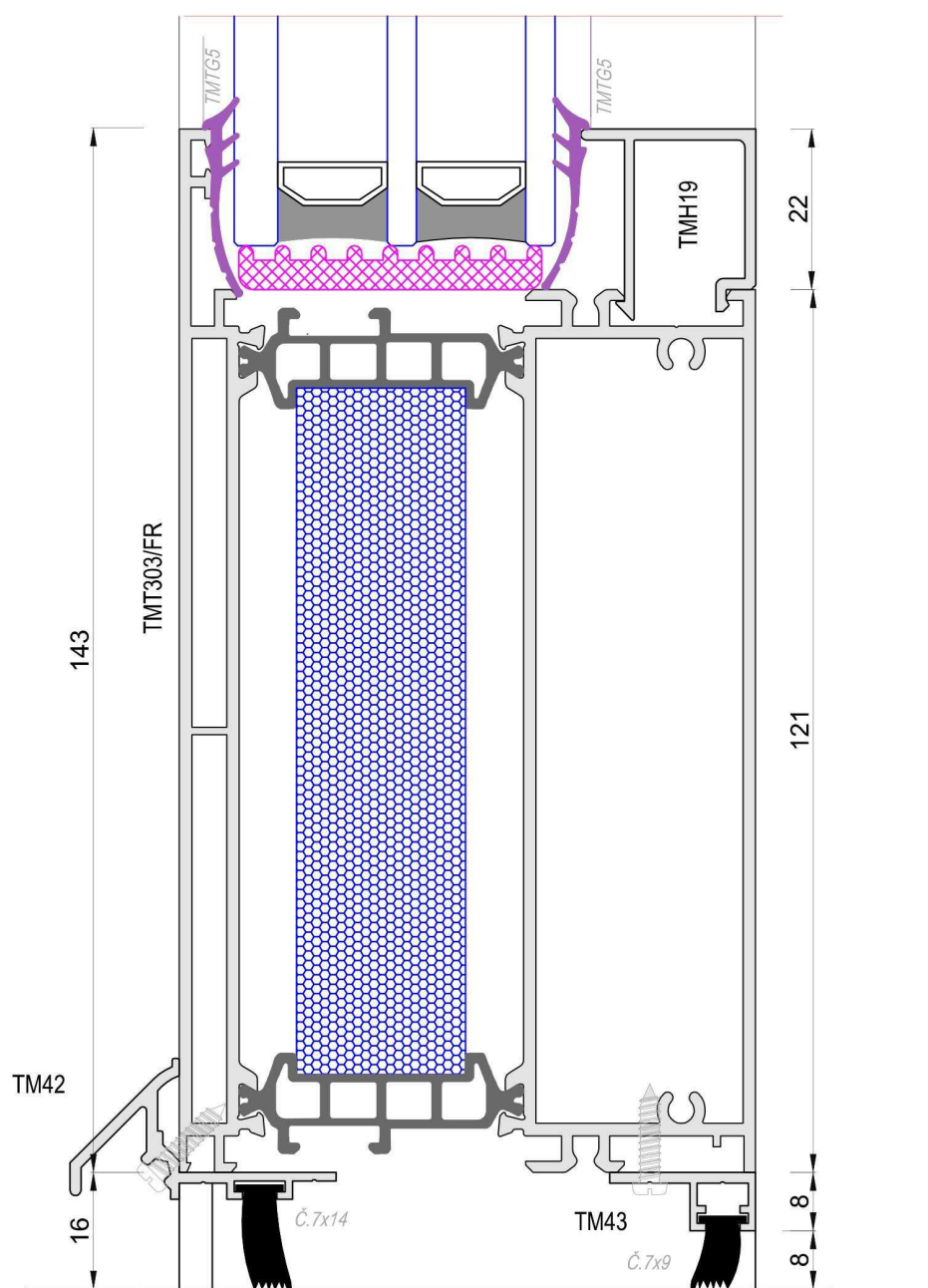


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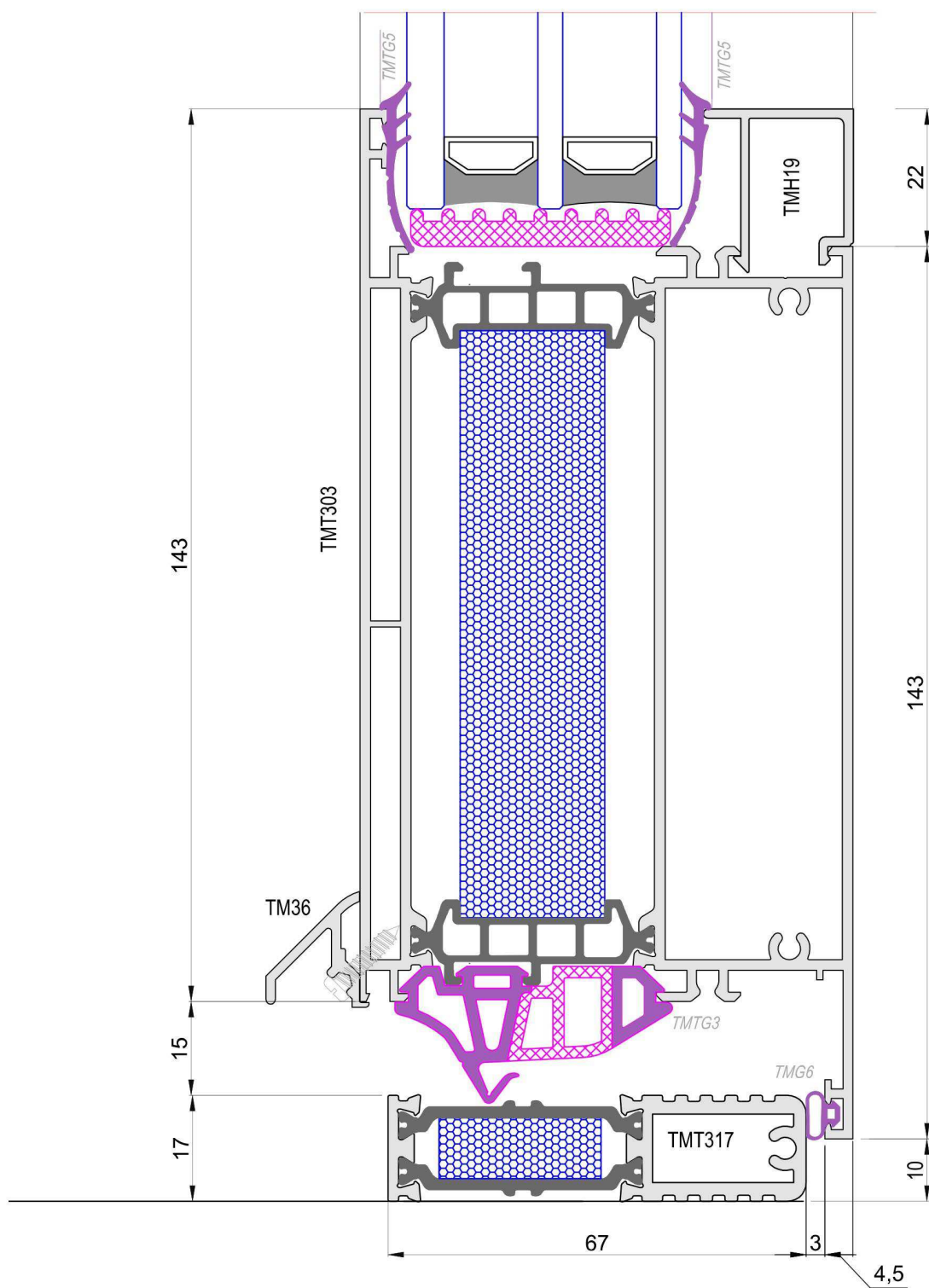
Detalj 14 D



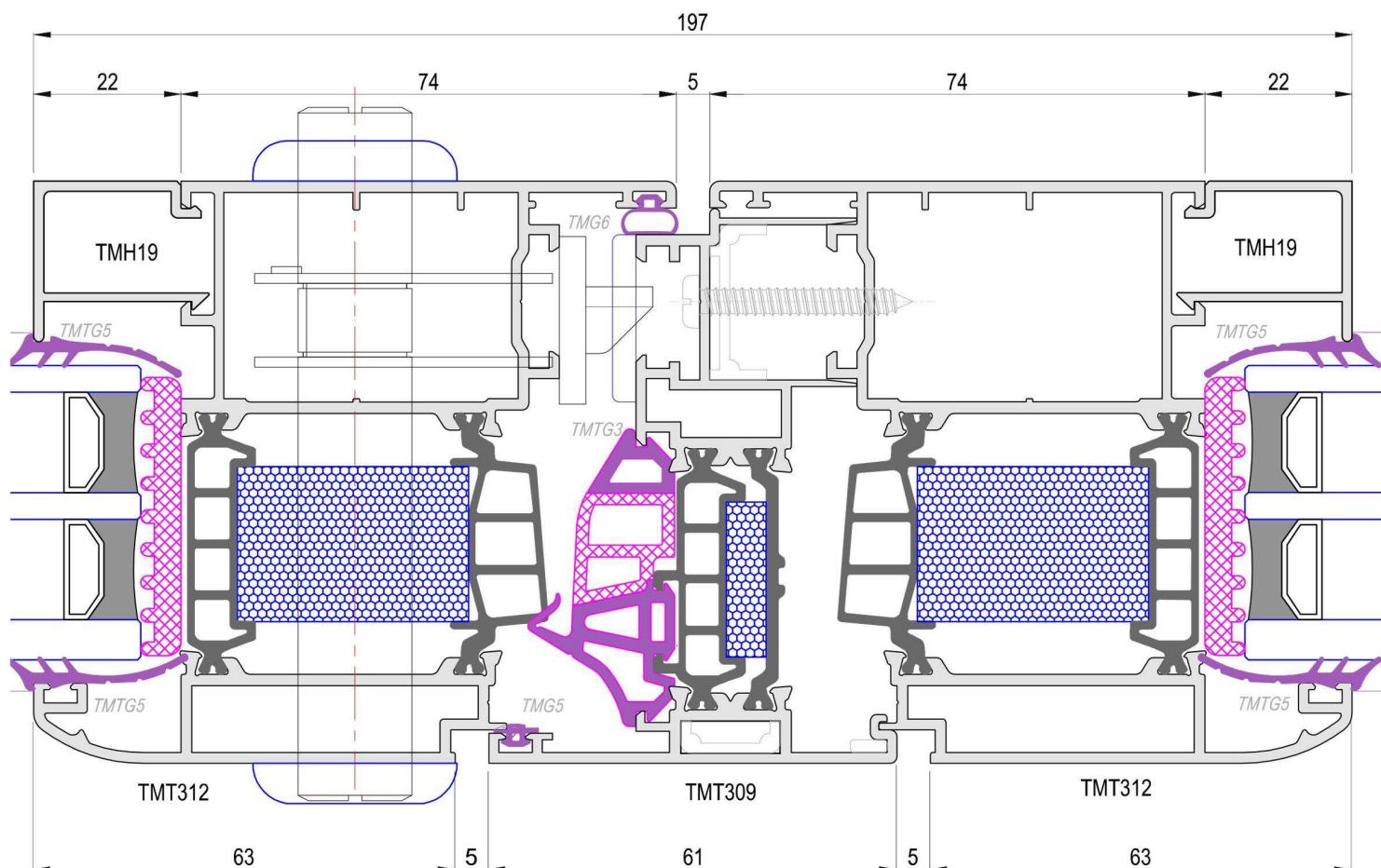
Detalj 15



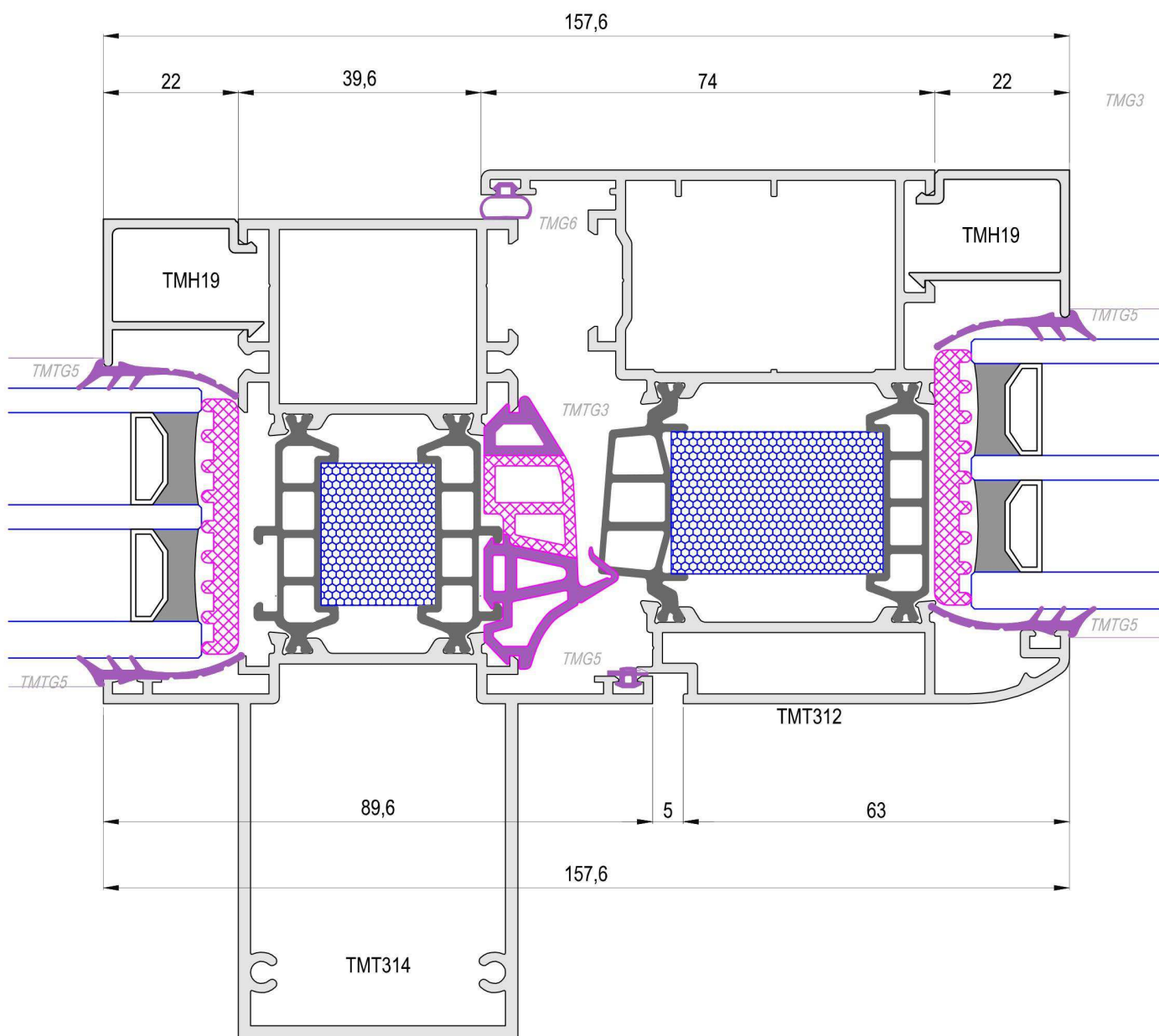
Detalj 15 A



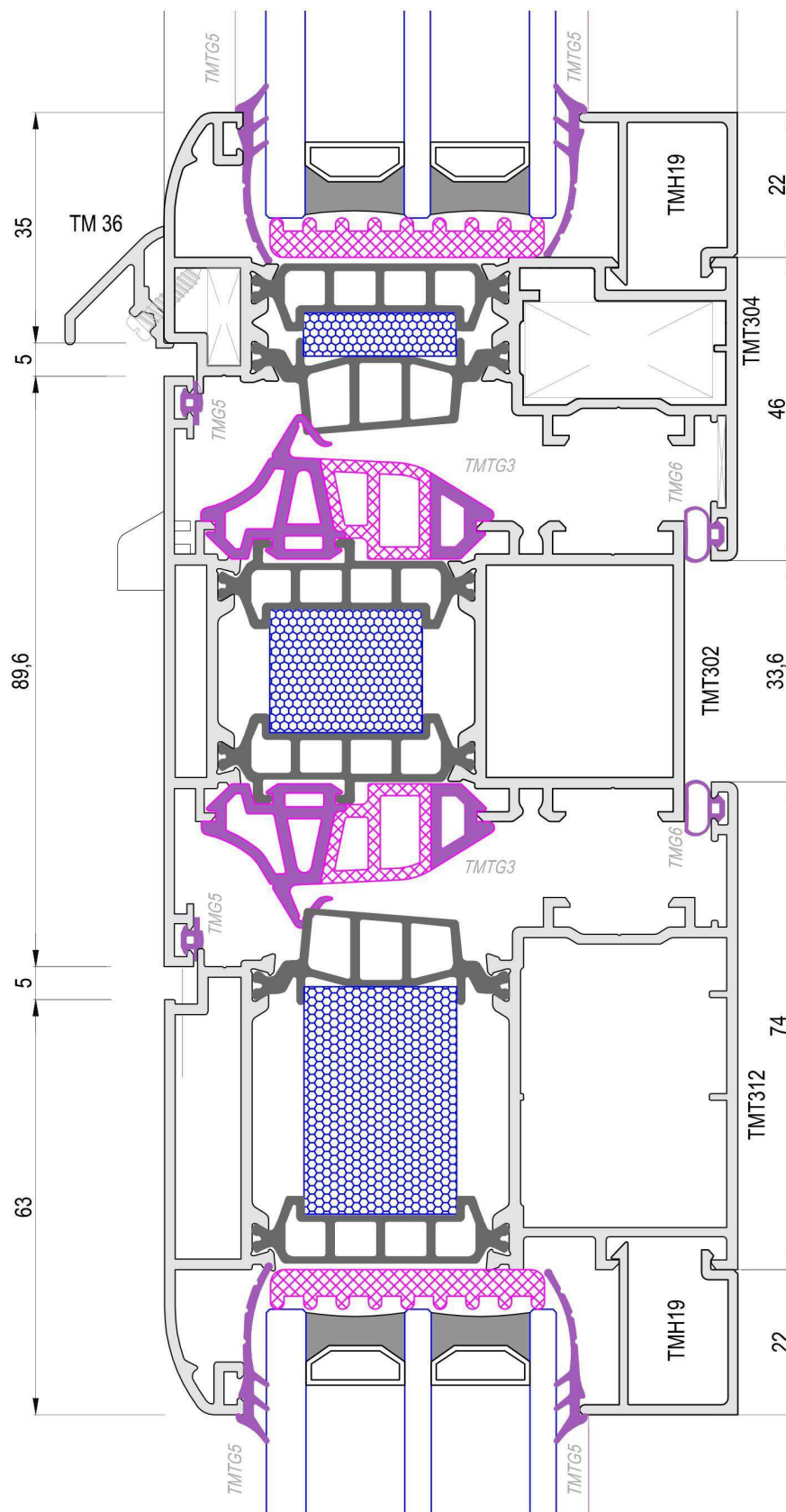
Detalj 16



Detalj 17



Detalj 18



R 1:1

Detalj 19

