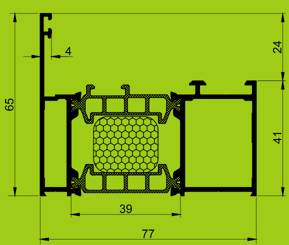
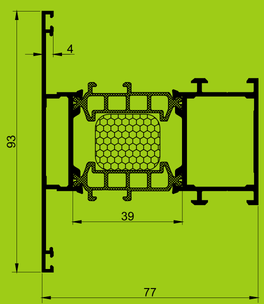
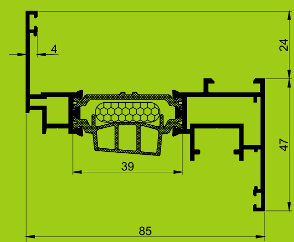
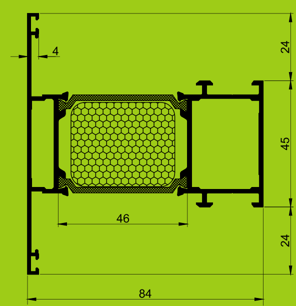
LINEAL









TEHNIČKI KATALOG / TECHNICAL CATALOGUE / ТЕХНИЧЕСКИЙ КАТАЛОГ

aluminijumski sistemi za prozore i vrata
aluminium systems for doors and windows
алюминиевые системы для окон и дверей

DESIGNED AND MANUFACTURED BY TEHNOMARKET

TEHNOMARKET

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TEHNOMARKET

TEHNOMARKET posluje više od trideset godina u gradu Pančevu, kao kompanija specijalizovana za aluminijumske konstrukcije sa primenom u građevinarstvu. Dugogodišnje iskustvo, najpre u proizvodnji prozora i vrata, a zatim i ostakljenih fasada, pretočeno je tokom vremena u rad na dizajnu i proizvodnji sistema aluminijumskih profila različite namene. Pokretanjem prvog privatnog pogona za ekstrudiranje aluminijumskih profila 2002. godine u Srbiji, TEHNOMARKET započinje novo razdoblje u svom radu, povećavajući obim svog poslovanja i pozicionirajući se u regionu kao značajan industrijski proizvođač u aluminijumskoj branši.

Sistemi koje TEHNOMARKET razvija i nudi na tržištu, namenjeni su na prvom mestu izradi prozora i vrata, ostakljenih fasada, kliznih elemenata, neprobojnih konstrukcija, kao i podkonstrukcije različitih fasadnih obloga. Najnovije i trenutno aktuelne serije proizvoda nastale su primenom novih tehnologija i tehničkih rešenja sa ciljem da zadovolje sve zahtevnije prohteve tržišta u pogledu energetske efikasnosti i zaštite životne sredine.

Pored sistemskih i profila standardne geometrije u pogonu za ekstrudiranje proizvode se i profili posebnih namena, za poznate kupce, po porudžbini, koji dalje pronalaze primenu u velikom broju privrednih grana od auto-industrije, saobraćajne signalizacije, elektro-industrije, proizvodnje nameštaja, telekomunikacija, advertajzinga...

TEHNOMARKET

For more than 30 years, TEHNOMARKET has specialized in aluminium constructions that caters to the building and construction industry needs for more than 20 years from their Pančevo-based facilities. Our experience, gained from many years of doors, windows and glazed curtain walls manufacturing successfully transferred to design and development of modern aluminium profile systems for different purposes. By starting a first privatelly owned aluminium extrusion factory in Serbia in 2002, TEHNOMARKET starts a new chapter, drastically increasing product range and volume and positioning itself as one of the major regional manufacturers of aluminium products.

Systems that TEHNOMARKET develops and offers are foremost meant for manufacturing of windows and doors, glazed curtain walls, sliding elements and bulletproof constructions, as well as substrustures for various types of ventilated facades. Our latest lines of products were created with state of the art technologies and technical solutions in order to comply with increasingly demanding energy efficiency and environmental protection standards and regulations.

Beside system and standard dimesioned profiles, a variety of custom designed profiles is extruded for known client and accrding to their technical drawings. These special profiles are widely used in number of different industrial areas, such as automotive, signage, furniture, telecommunication, electronical and advertising industry...

TEHNOMARKET работает более двадцати лет в городе Панчево, как компания, специализированная для алюминиевых конструкциях, которые применяются в строительстве. Многолетний опыт, прежде всего в производстве окон и дверей, а затем остекленённых фасадов, с временем преобразованно в работу на дизайнирование и производство алюминиевых профилей для различных целей. Запуском первого частного цеха для экструзии алюминиевых профилей в 2002 году в Сербии, ТЕХНОМАРКЕТ начинает новый период в своей работе, увеличивая объем своей деятельности и позиционирует себя как значительный промышленный производитель в алюминиевой отрасли в регионе.

Системы, которые ТЕХНОМАРКЕТ разрабатывает и предлагает на рынке, предназначены в первую очередь для изготовления окон и дверей, остекленённых фасадов, скользящих элементов, непробиваемых конструкций, как и подконструкций различных фасадных оболочек. Самые новые и в настоящий момент актуальные серии продуктов, настали как результат применения новых технологий и технических решений с целью удовлетворения жестким требованиям рынка с точки зрения энергоэффективности и охраны окружающей среды.

Кроме систематических и профилей стандартной геометрии стандартных профилей, в цехе по экструдированию, производятся и профили специального назначения, для известных клиентов, по заказам, которые дальше находят применение во многих отраслях: как автомобильной промышленности, дорожной сигнализации, электротехнической промышленности, производство мебели, телекоммун-икации, рекламы...

Stalno praćenje trendova, saradnja sa kupcima i tehnička podrška klijentima tokom dogogodišnjeg poslovanja izdvojili su se kao osnovni principi rada kompanije TEHNOMARKET. Ujedno, konstantna saradnja sa domaćim i evropskim sertifikacionim kućama doprinosi razvoju i uvođenju inovacija u sve aspekte organizacije i proizvodnje firme, a ISO 9001 sertifikacija, koju kompanija poseduje, to i zvanično potvrđuje.

Pozicija sedišta firme i fabrike za ekstruziju nalazi se 17 kilometara od centra Beograda i svega nekoliko kilometara od železničkog kargo-terminala i velike rečne luke na Dunavu, kao i nepunih 30 kilometara od međunarodnog aerodroma „Nikola Tesla“ u Beogradu.

Ongoing trend monitoring, direct communication with clients and technical support have become defining principles of TEHNOMARKET's long term-bussiness philosophy. At the same time, constant cooperation with domestic and European certification institutes further strenghtens basic principles of research, development and ongoing innovation throughout all organisational and manufacturing segments of the company, which is confirmed by ISO 9001 certificate.

Company’s headquarters and extrusion factory are conveniently located only 17 km from centre of Belgrade, Serbia’s capitol, and just a few kilometers from rail cargo terminal and a major river port on Danube. Belgrade International airport “Nikola Tesla” is also less than 30 km away.

Постоянное наблюдение тенденций, сотрудничество с клиентами и техническая поддержка клиентам в течении долгосрочной деятельности, выделились как одновной принцип работы компании ТЕХНОМАРКЕТ. В то же время, постоянное сотрудничество с отечественными и европейскими сертификационными компаниями, способствует развитию и введение инноваций во всех аспектах организации и производства компании,а сертификат ISO 9001, который компания имеет, это официально и подтверждает.

Место нахождения компании и завода для экструзии расположен в 17 километрах от центра г.Белграда и всего в нескольких километрах от железнодорожного грузового терминала и большого речного порта на реке Дунай, и меньше чем 30км от международного аэропорта «Никола Тесла» в г. Белграде.

ALUMINIJUM ... naš pokretač

Stalne promene na svetskom tržištu i sve kompleksniji zahtevi krajnjih korisnika, sa jasno izdvojenom potrebom za brzom proizvodnjom i izradom, ujedno i lakoćom i jednostavnošću u obradi, jasno su izdvojili aluminijum kao građevinski materijal budućnosti. Aluminijum kao najzastupljeniji od svih metala na Zemlji, našao je svoju primenu u skoro svim granama industrije i građevinarstva. Većina njegove mase na planeti se nalazi u obliku aluminosilikata. Sa svojom gustinom od 2700kg/m³, oko tri puta je lakši od gvožđa i bakra, pa je iz tog razloga i dominantno prisutniji u lakim građevinskim konstrukcijama. Dobija se elektrolitičkim postupkom u specijalnim električnim pećima, u kojima temperature dostiže i 1000°C. Standardni procesi obrade aluminijuma kako bi se dobili krajnji proizvodi su ekstrudiranje, zavarivanje, toplo i hladno valjanje. U završnoj primeni najčešće se koristi sa površinskom zaštitom od koje su najviše zastupljene eloksaža (anodizacija) i plastifikacija (elektrostatska pulverzacija).

Kao neke od brojnih prednosti aluminijuma izdvajaju se:

- izuzetno lagan materijal, male gustine, stabilan je i ne opterećuje konstrukciju
- poseduje veliku mogućnost oblikovanja, pruža raznovrsnost oblika i široku mogućnost kombinovanja
- trajan je i postojan kao građevinska komponenta bez promena osobina tokom vremena
- reciklabilan, po isteku eksploatacije lako se topi i ponovo vraca u novi ciklus primene
- neotrovan je, ne šteti okolini, nema otrovna isparenja i nezapaljiv je
- ima mogućnost zavarivanja i ne varniči prilikom obrade
- dobar je provodnik toplote i električne energije
- otporan je na koroziju usled atmosferskih uticaja, u sirovom stanju oblaže se tankim slojem oksida
- dopadljivo je srebrnasto-sjajne nijanse, dekorativnog je izgleda i pruža velike mogućnosti kod odabira boje površinske zaštite
- lak je i jednostavan za održavanje i u eksterijeru i u enterijeru

ALUMINIUM … the driving force

Constant shifts in global market and more complex demands by clients, with distinctly outlined need for fast manufacturing and assembly, followed by simple machining, have clearly selected aluminium as building material of the future. Aluminium, the most common metal on Earth, has found its use in almost all segments of industry and construction. The most of it's mass on planet is found in shape of aluminosilicate. With it's density of 2700kg/m³, it is about three times lighter than iron and copper, and therefore far more present in light building constructions. Aluminium is acquired in special electrolytic process conducted in special electric ovens that generate temperatures up to 1000°C. Further aluminium processing into final products includes extrusion, welding, hot and cold rolling. For finished products, aluminium is usually used with anodized or powder coated surface.

Here are some of aluminium's numerous advantages:

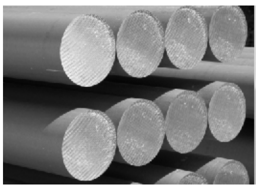
- extreme lightweight, low density, stable and it does not present an unnecessary burden for structure
- easily machinable into number of different shapes, optimal for numerous applications
- long lasting and stable as a construction component without change in properties over time
- completely recyclable, easily re-inserted into manufacturing cycle
- it is not toxic, flammable, evaporable and it is safe for the environment
- aluminium can be welded and it does not produce sparks during machining
- good conductor of heat and electricity
- corrosion resistant, covered with thin oxide layer when raw
- it has appealing natural silver shade and offers great flexibility when choosing surface treatment colors
- simple and easy to maintain, both in interior and exterior

АЛЮМИНИЙ ... движущая сила

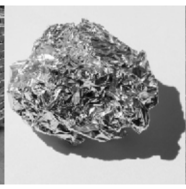
Постоянные изменения на мировом рынке и все более сложные требования конечных пользователей, с четко выделенной необходимостью быстрого производства и изготовления, а также легкость и простота в обработке, четко выделили алюминий в качестве строительного материала будущего. Алюминий, как наиболее распростра-ненный из всех металлов на Земле, нашел свое применение практически во всех отраслях промышленности и строительства. Большое количество его массы в мире находится в форме алюмосиликата. С плотностью 2700kgm³, алюминий примерно в три раза легче, чем железо и медь, и по этой причине преобла-дающий материал в легких строите-льных конструкциях. Алюминий получают электролити-ческой обработкой в специальных электрических печах, где температура достигает и 1000°C. Стандартные процессы обработки алюминия для получения конечных продуктов являю-тся экструзия, сварка, горячая и холодная прокатка. В заключительном применении обычно используется с поверхностной защитой, которая наиболее представленна анодиро-ванием и пластичным покрытием (электростатическое распыление).

Некоторые из многих преимуществ алюминия являются:

- очень легкий материал, с низкой плотностью, стабильный и ненагружает конструкцию
- имеет большую возможносить формообразования, предоставляет широкий спектр форм и возможность различных комбинаций
- долговечен и стабильный как строительный компонент не изменяя характеристик в течении долгого времени
- он может быть переработан, в конце эксплуатации его можно легко распла-вить, а затем обратно применить в новом цикле
- нетоксичен, экологически чист, нет токсичных испарений и не воспла-меняется
- имеет возможность свариваться и не искрит при обработке
- хороший проводник тепло и электроэнергии
- обладает высокой устойчивостью к коррозии при атмосферных воздей-ствиях окружающей среды, в сыром виде покрывается тонким слоем оксида
- привлекательно серебристо-яркие оттенки, декоративного вида и обеспе-чивает большие возможности при выборе красок поверхностной защиты
- легкий и простой в обслуживании экстерьера и интерьера








LINEAL

linija novih standarda
u aluminijumu

line of new standards
in aluminium

линия новых стандартов
в алюминии

Sistemi iz grupe LINEAL dizajnirani su na prvom mestu sa ciljem da odgovore zahtevu moderne arhitekture za čistim i jednostavnim linijama gotovih proizvoda, a da u isto vreme ispoštuju nove i poboljšane energetske standarde u gra]evinarstvu. Osnovna namena ove grupe sistema je izrada aluminijumskih prozora i vrata u svim varijacijama oblika i namene.
LINEAL broji osam različitih sistema i tri podsistema podeljenih u dve konstruktivne grupe:

A. aluminijum sa termo-prekidom

- **ST 54**
sa ugradnom dubinom štoka od 54mm
- **PLUS 62**
sa ugradnom dubinom štoka od 62mm
- **THERM 62**
sa ugradnom dubinom štoka od 62mm
- **THERM 77**
sa ugradnom dubinom štoka od 77mm

B. aluminijum-drvo sa termo-prekidom

- **W-ST 81**
sa ugradnom dubinom štoka od 81mm
- **W-PLUS 89**
sa ugradnom dubinom štoka od 89mm
- **W-THERM 89**
sa ugradnom dubinom štoka od 89mm
- **W-THERM 104**
sa ugradnom dubinom štoka od 104mm

Systems from LINEAL series are designed as an answer to requirements of modern architecture for clean and minimalist forms of finished elements that, at the same time fulfill new and improved energy efficiency standards in construction industry. Sole purpose of these profile systems is manufacturing of highly energy efficient aluminium windows and doors for all purposes.
LINEAL consists of eight different systems divided into two main groups:

A. aluminium with thermal break

- **ST 54**
with frame width of 54mm
- **PLUS 62**
with frame width of 62mm
- **THERM 62**
with frame width of 62mm
- **THERM 77**
with frame width of 77mm

B. aluminium-wood with thermal break

- **W-ST 81**
with frame width of 81mm
- **W-PLUS 89**
with frame width of 89mm
- **W-THERM 89**
with frame width of 89mm
- **W-THERM** 104
with frame width of 104mm

Системы из группы LINEAL разработанны в первую очередь с целью, чтобы ответить на запрос современной архитектуры с четкими и простыми линиями готовой продукции, в то же время, чтобы соответствовали новым и улучшенным энергетическим стандартам в строительстве.Основная цель групповой системы является производство алюминиевых окон и дверей во всех вариантах,формах и назначений.
LINEAL состоит из восемь различных систем, которые разделены на две структурные группы:

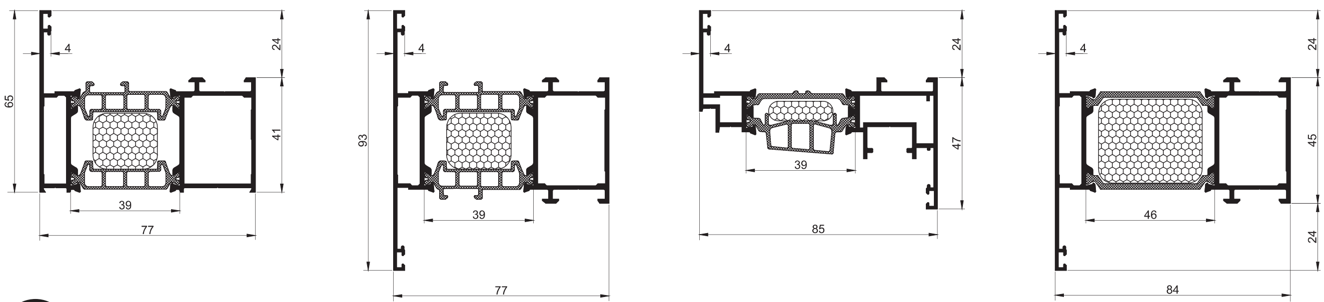
А. алюминиевые профили с термическим разрывом

- **ST 54**
с монтажной глубиной косяка от 54mm
- **PLUS 62**
с монтажной глубиной косяка от 62mm
- **THERM 62**
с монтажной глубиной косяка от 62mm
- **THERM 77**
с монтажной глубиной косяка от 77mm

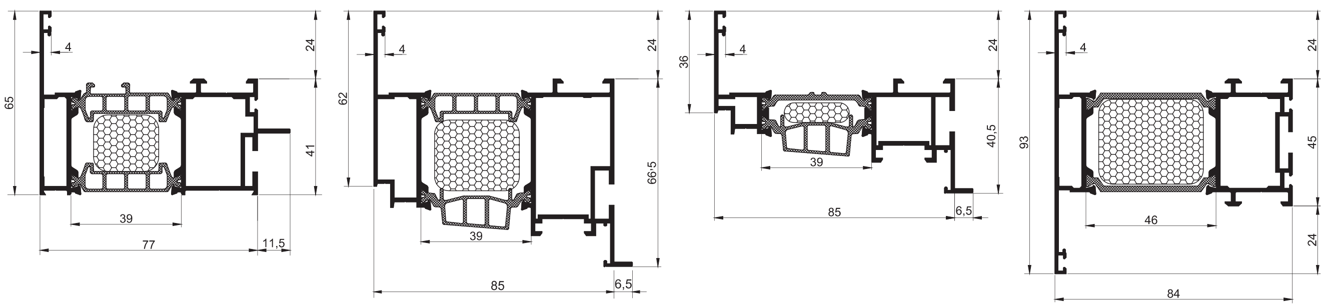
B. алюминий - дерево профили с термическим разрывом

- **W-ST 81**
с монтажной глубиной косяка от 81mm
- **W-PLUS 89**
с монтажной глубиной косяка от 89mm
- **W-THERM 89**
с монтажной глубиной косяка от 89mm
- **W-THERM 104**
с монтажной глубиной косяка от 104mm

A



B



LINEAL

linija novih standarda
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line of new standards
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линия новых стандартов
в алюминии

Sistemi iz gupe A nude dodatnu mogućnost korisnicima u izboru dva različita tipa krila, prvo sa EURO 1 žlebom za standardni aluminijumski okov i drugo za EURO 16mm žlebom za PVC okov.
Za sisteme iz grupe B, zbog specifičnosti u spoju dva materijala, dizajniran je poseban okov za opremanje gotovih prozorskih elemenata.

Kao najbitnije karakteristike LINEAL sistema izdvajaju se:

- širok izbor sistema sa različitim ugradnim dubinam štoka od 54 do 104mm
- poboljšane termičke karakteristike u cilju bolje izolacije objekata. Sistem THERM 77 sa koeficijentom prolaza toplote Uw=0,96W/m²K i sistem W-THERM 104 sa Uw=0,79W/m²K

<u>C. Opcija skrievnog krila</u> dostupna je u 3 aluminijumska sistema:

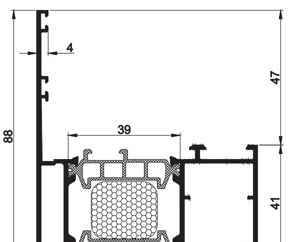
• BLOCK PLUS 62
sa ugradnom dubinom štoka od 62mm

• BLOCK THERM 62
sa ugradnom dubinom štoka od 62mm

• BLOCK THERM 77
sa ugradnom dubinom štoka od 77mm

- jednostavnost i modularnost profila i pratećeg pribora za lakšu proizvodnju uz idealan odnos cene i kvaliteta
- optimalan odnos statičke nosivosti aluminijumskih profila i širine termo prekida (poliamidi širina 16, 24 i 39mm)
- dizajn ravnih i glatkih površina krila i štoka sa ukupnom zbirnom visinom u opsegu od 88mm do 186mm
- mogućnost integrisanja različitih dubina ispune u vidu stakla i panela od 8 do 68mm
- svi elementi i materijali bezbedni su za stanovanje i upotrebu, pa su tim i sistemi verifikovani CE znakom
- potvrđeni parametri izolovanosti na vetar i vazduh, vodu i zvuk
- omogućena ugradnja sigurnosnih protivprovalnih okova klase WK1 i WK2 (za aluminijumske sisteme)
- za opcije sistema aluminijum-drvo unutrašnja obloga je od više vrsta prirodnog drveta u preko 20 različitih nijansi boja
- postojanje mogućnosti pravljenja ,,pasoša" proizvoda za domaća i strana tržišta

C



Systems from group A offer additional option both EURO 1 for aluminium and EURO 16mm grove standards for PVC hardware are available.
A special hardware set is designed for aluminium wood systems in group B, because of highly specific nature of the two combined materials.

The most important LINEAL features are:

- wide array of different systems with frame widths from 54 up to 104mm
- improved thermal performance for more energy efficient buildings. Both THERM 77 with Uw=0,96W/m²K and W-THERM 104 Uw=0,79W/m²K systems are suitable for usage in low energy buildings

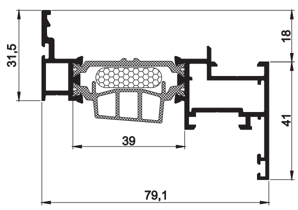
C. Hidden sash option is available in 3 aluminum systems:

• BLOCK PLUS 62
with frame width of 62mm

• BLOCK THERM 62
with frame width of 62mm

• BLOCK THERM 77
with frame width of 77mm

- simplicity and system modularity of profiles and accessories for simple manufacturing proces and improved price/performance ratio
- optimal ratio between good static performance of aluminium profiles and polyamide stripes width (with 16, 24 and 39mm widths available)
- modern and minimalistic design of frame and sash with total combined height from 88mm to 186mm
- support for different glass package widths ranging form 8mm to 68mm
- all system elements are safe for use in living and working areas, as confirmed by CE sign
- certified insulation performance against water, air, wind, sound and temperature
- optional installation of WK1 and WK2 safety hardware sets (for aluminium systems)
- aluminium-wood systems feature multiple options for high quality massive wood cladding available in more than 20 different colors
- option of making a „Product passport" for domestic and foreign markets



Системы из группы А предлагают дополнительную возможность для пользователей в выборе двух различных типов створки, в первом с EURO 1, пазом для стандартных алюминиевых оков и во втором с EURO 16mm желобом для оков из PVC.
Для системы в группе B, в связи со специфическим соединением двух материалов, разработанна отдельная оковка для оборудования готовых элементов окна.

Как наиболее важные характеристики LINEAL системы выделяются:

- большой выбор системы с различной монтажной глубиной косяка от 54 до 104mm
- Улучшение тепловых характеристик в целях лучшей изоляции объектов системы THERM 77 с коэффициентом теплопередачи Uw=0,96W/m²K и системы W-THERM 104 с коэффициентом теплопередачи Uw=0,79W/m²K (декларированные как стандарты для низкоэнергетических зданий).

C. Оконная система со скрытыми створками доступна в трех алюминиевых системах

• BLOCK PLUS 62
с монтажной глубиной косяка от 62mm

• BLOCK THERM 62
с монтажной глубиной косяка от 62mm

• BLOCK THERM 77
с монтажной глубиной косяка от 77mm

- простота и модульность профилей и аксессуаров для более легкое изготовление с идеальным соотношением цены и качества
- оптимальное соотношение статической грузоподъемности алюминиевых профилей и ширины термического разрыва (ширина полиамидов 16, 24 и 39mm).
- дизайн плоских и гладких поверхностей, створки и косяки с общей совокупной высотой от 88mm до 186mm
- возможность интеграции различных глубин заполнением в форме стекла и панели от 8 до 68mm
- все элементы и материалы безопасны для проживания и использования, так что эти системы проверены и маркированы CE обозначением
- подтверждены параметры изоляции на ветер и воздух, воды и звука
- возможен монтаж антиворовских оковок систем типа WK1 и WK2 (для алюминиевых систем)
- для варианта системы алюминий-дерево, внутренняя облицовка от многих типов натурального дерева в более чем 20 различных цветовых оттенков
- существование возможности изготовления „паспорта" продуктов для внутреннего и внешнего рынка

Uvod
Introduction
Введение

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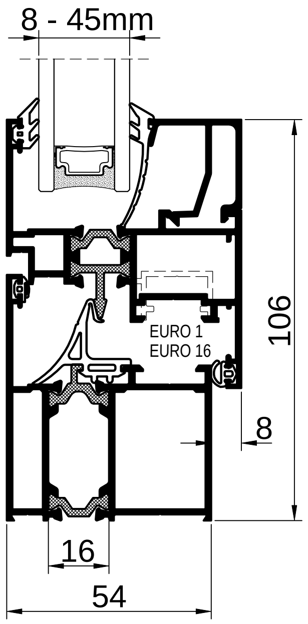
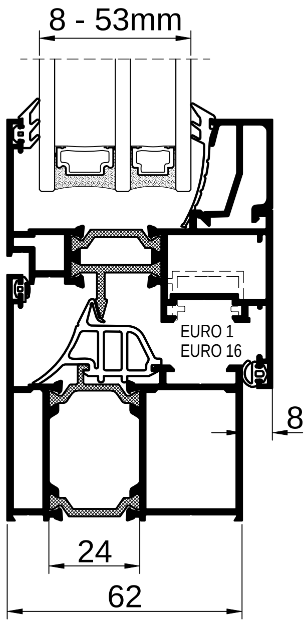
Uputstvo
Manual
Руководство

Sistem
System
Система



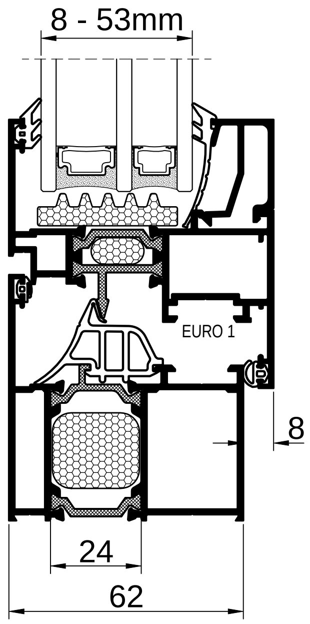
ST 54

Uf~2,9 W/m2K
Uw~1,7 W/m2K



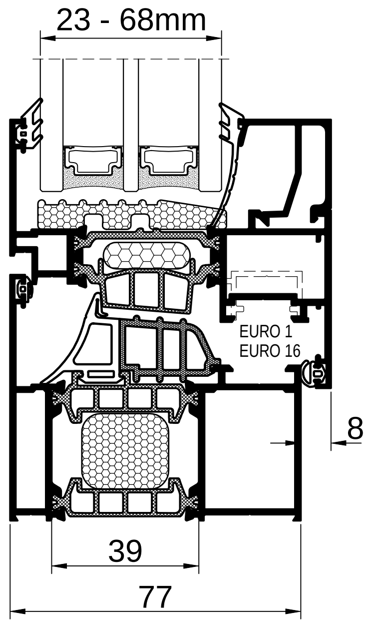
PLUS 62

Uf~2,5 W/m2K
Uw~1,3 W/m2K



THERM 62

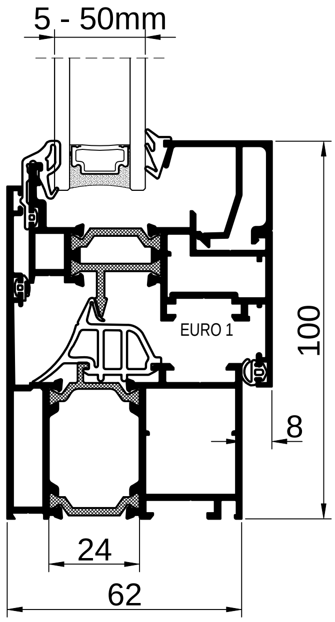
Uf~2,0 W/m2K
Uw~1,1 W/m2K



THERM 77

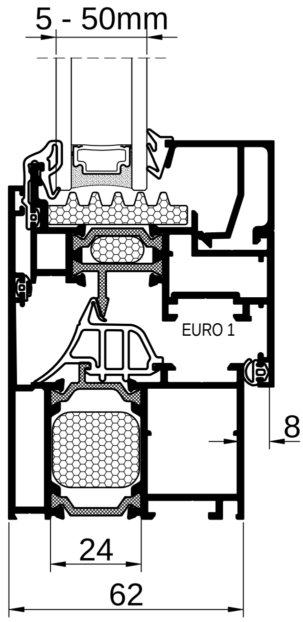
Uf~1,4 W/m2K
Uw~0,96 W/m2K

Sistem BLOCK
System BLOCK
Система BLOCK



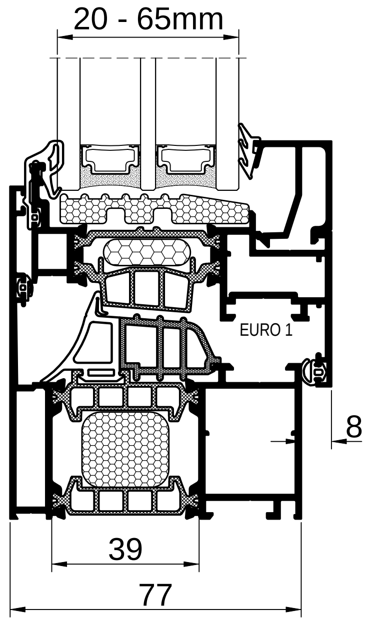
BLOCK PLUS 62

Uf~2,6 W/m2K
Uw~1,2 W/m2K



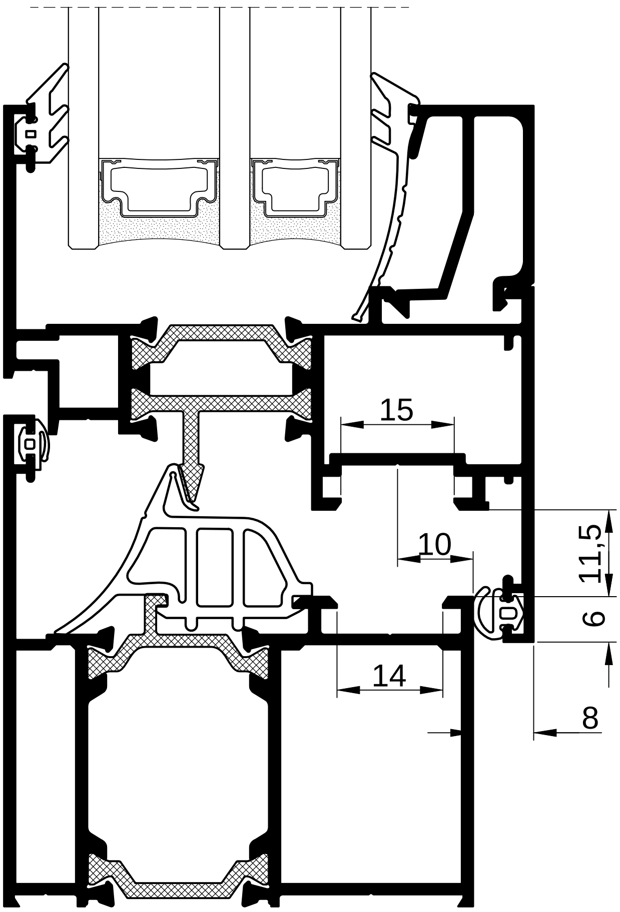
BLOCK THERM 62

Uf~2,0 W/m2K
Uw~1,1 W/m2K



BLOCK THERM 77

Uf~1,4 W/m2K
Uw~0,83 W/m2K

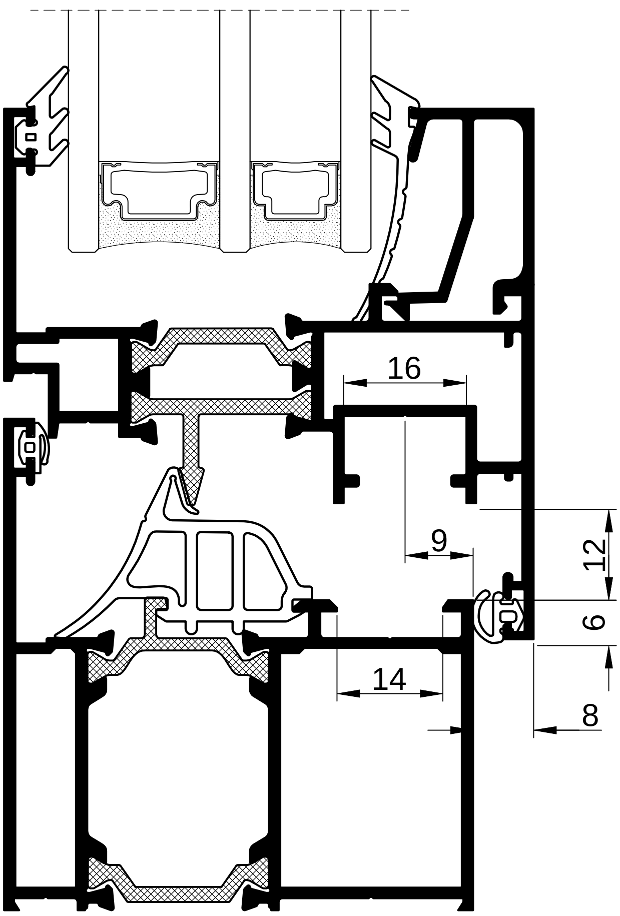


Žleb
Groove
Канавка

ALUMINIUM STANDARD

EURO 1

Giesse
Stublina
Fapim
Laaval
Eugen Notter
Roto
Sobinco
...



Žleb
Groove
Канавка

PVC STANDARD

EURO 16mm

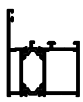
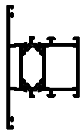
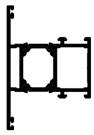
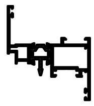
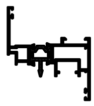
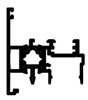
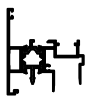
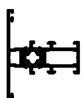
Maco
G-U
Vabis
Roto
AGB
Siegenia
Winkhaus
...

Moment inercije
Moment of inertia
Момент инерции

Ugaona spojnica
Corner joint
Угловое соединение

ST 54

Profili
Profiles
Профили

	Oznaka Mark Марк kg/m'	Opis Description Описание	Ix Iy			a a	b b
	501	Štok Frame	16,0	911	908	920	-
	1,315	Рама	10,2	925	923	920	-
	502	Prečka u štoku T profile in frame	20,0	-	915	x2 934	-
	1,512	T профиль в раме	18,7	-	905	x2 934	-
	503	Prečka u krilu T profile in casement	25,4	-	915	x2 934	-
	1,523	T профиль в створки	18,7	-	905	x2 934	-
	504	Prozorsko krilo - EURO 1 Casement -EURO 1	21,6	909	907	920	TMA18
	1,219	Оконная створка -ЕУРО 1	4,0	929	926	920	TMA18
	505	Prozorsko krilo - EURO 16mm Casement -EURO 16mm	21,2	909	906	920	TMA18
	1,229	Оконная створка -ЕУРО 16мм	3,8	929	928	920	TMA18
	508	Prag Threshold	9,7	-	-	-	-
	1,026	Порог	1,3	-	-	-	-
	509	Veza dvokrilnog prozora - EURO 1 French casement adaptor -EURO 1	13,4	-	-	-	-
	1,162	Соединительный профиль двойног окна -ЕУРО 1	6,0	-	-	-	-
	510	Veza dvokrilnog prozora - EURO 16mm French casement adaptor -EURO 16mm	13,1	-	-	-	-
	1,164	Соединительный профиль двойног окна -ЕУРО 16мм	6,3	-	-	-	-
	513	Prečka u štoku T profile in frame	13,0	-	922	x2 934	-
	1,104	T профиль в рамке	6,7	-	905	x2 934	-

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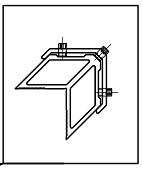
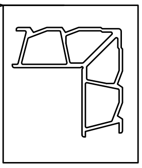
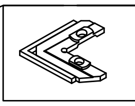
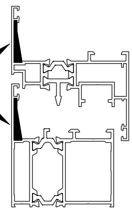


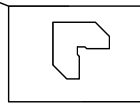
Oznaka
Mark 908
Марк

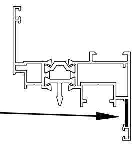


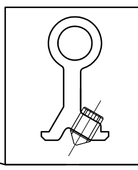
Oznaka
Mark 923
Марк

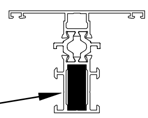


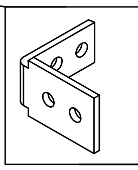


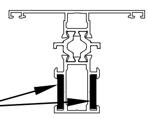




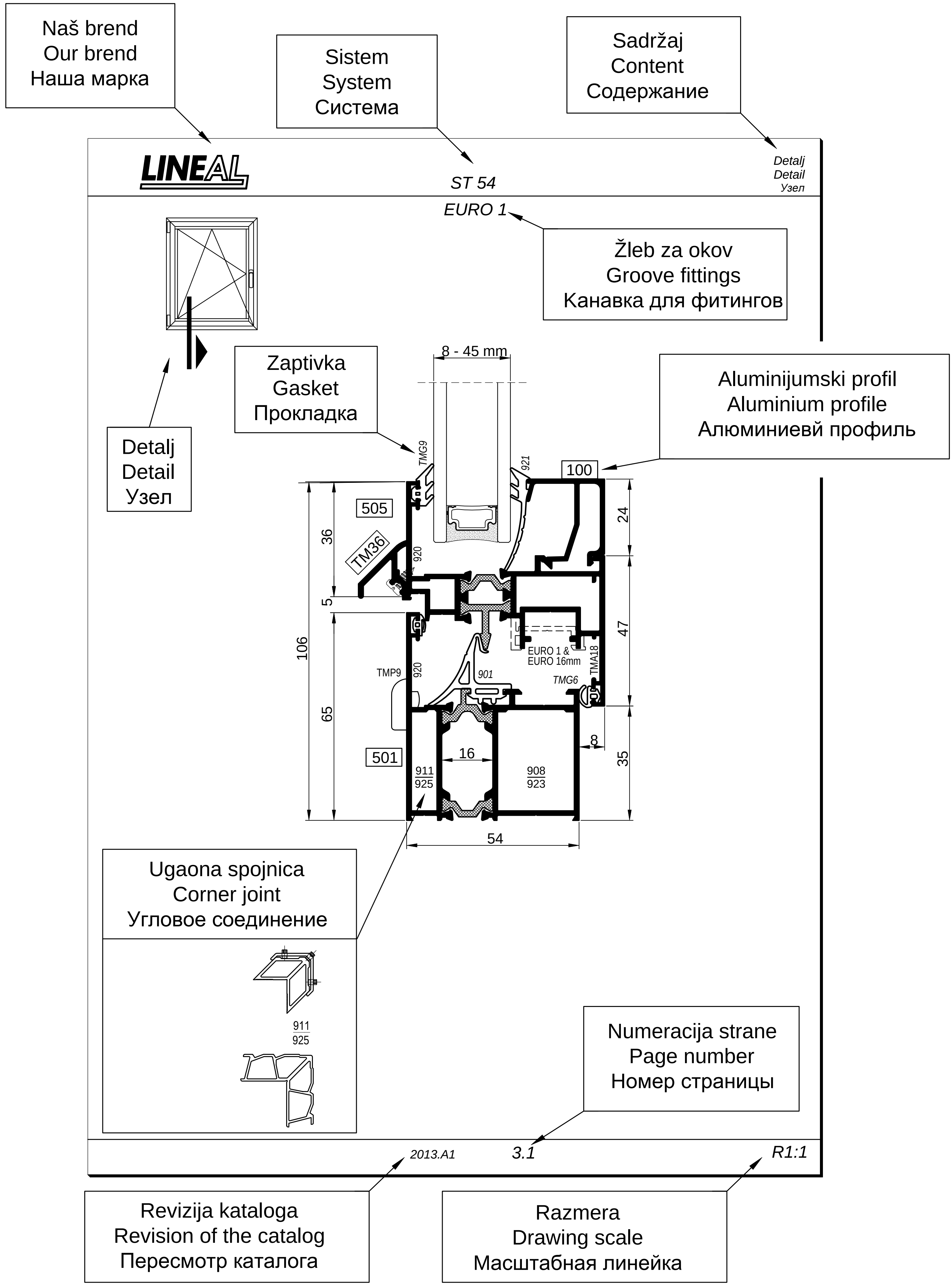


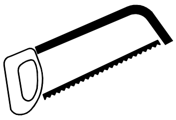
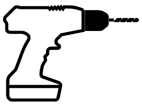
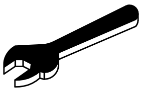
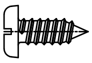
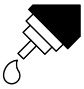
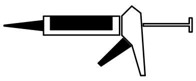
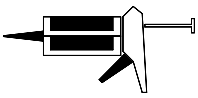
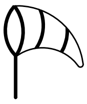
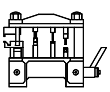




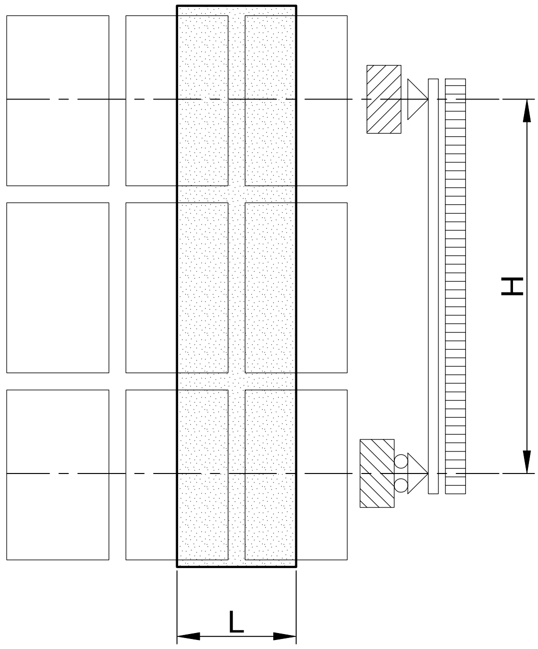


Aluminijumski profil
Aluminium profile
Алюминиевый профиль


Naš brend
Our brend
Наша марка
Sistem
System
Система
Sadržaj
Content
Содержание
LINEAL
ST 54
Detalj
Detail
Узел
EURO 1
Žleb za okov
Groove fittings
Канавка для фитингов
Detalj
Detail
Узел
Zaptivka
Gasket
Прокладка
8 - 45 mm
Aluminijumski profil
Aluminium profile
Алюминиевй профиль
TMG9
921
100
505
TM36
920
36
5
106
65
24
47
35
EURO 1 &
EURO 16mm
TMA18
TMP9
901
TMG6
8
16
501
911
925
908
923
54
Ugaona spojnica
Corner joint
Угловое соединение
911
925
Numeracija strane
Page number
Номер страницы
2013.A1
3.1
R1:1
Revizija kataloga
Revision of the catalog
Пересмотр каталога
Razmera
Drawing scale
Масштабная линейка

	Pozicija Position Положение
	Iseći Cut Резать
	Izbušiti Drill Сверлить
	Zategnuti Tighten Затянуть
	Ušrafiti Screw in Ввернуть
	Lepiti Glue Клеить
	Zaptivna masa Sealant Герметик
	Dvokomponentni lepak Two-component glue Клей двухкомпонентный
Q	Okrenuti Rotate Вращать
	Opterećenje vetrom Wind load Ветровая нагрузка
	Čistač Cleaner Средство для чистки
	Ručna presa Hand press Пресс

MONTAŽA SA OSLONCEM U DVE TAČKE
Two point support
Монтаж опираясь на двух точках



$$f\ max = \frac{5}{384} \times \frac{qLH^4}{EI} \leq f\ doz.$$

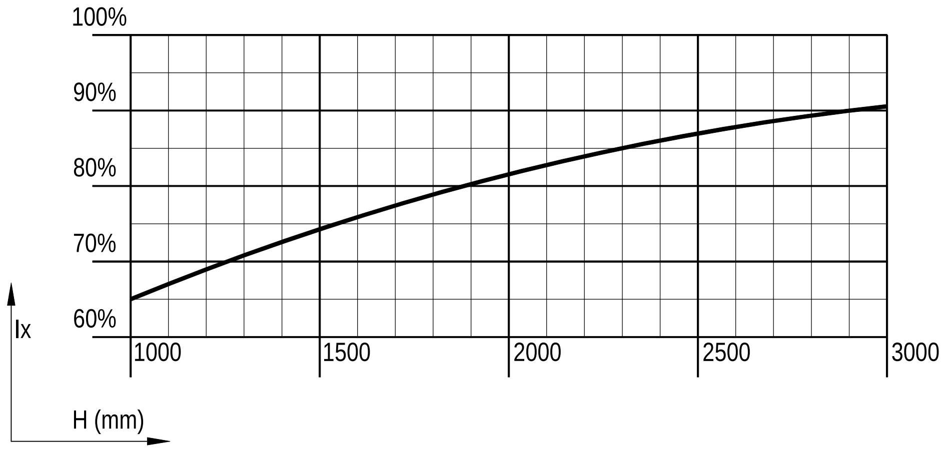
$$\sigma\ max = \frac{1}{8} \times \frac{qLH^2}{W} \leq \sigma\ doz.$$

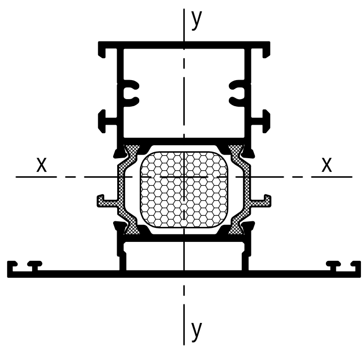
H	VERTIKALNI MEĐUOSOVINSKI RASPON *Axial spacing - vertical* *Осевое расстояние по вертикали*	cm
L	HORIZONTALNI MEĐUOSOVINSKI RASPON *Axial spacing - horizontal* *Осевое расстояние по горизонтали*	cm
q	OPTEREĆENJE *loading* *Нагрузка*	N/cm^2
E	MODUL ELASTIČNOSTI ALUMINIJUMA, *Aluminium modulus of elasticity* *Модуль упругости алюминия*	7000000 N/cm
I	MOMENT INERCIJE *Moment of inertia* *Момент инерции*	cm^4
W	OTPORNI MOMENT *Modulus of section* *Модуль сопротивления раздела*	cm^3
f max	MAKSIMALNI UGIB *Max. deflection* *Максимальное отклонение*	cm
σ max	MAKSIMALAN NAPON *Max. pressure* *Максимальное напряжение*	N/cm^2
f doz.	MAKSIMALNI DOZVOLJENI UGIB *Max. alowed deflection* *Максимально допустимое отклонение*	cm
σ doz.	MAKSIMALAN DOZVOLJENI NAPON *Max. alowed pressure* *Максимальное допустимое напряжение*	N/cm^2

MOMENT INERCIJE UMANJITI UZIMAJUĆI U OBZIR KOEFICIJENT ELASTIČNOSTI KOMPOZITA

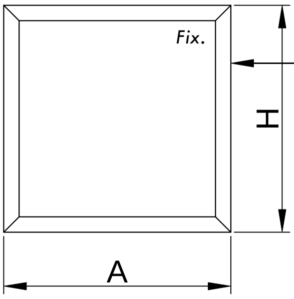
Moment of inertia lessen by taking into account the coefficient of elasticity of the composite

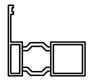
Момент инерции уменьшить с учетом коэффициента упругости композита

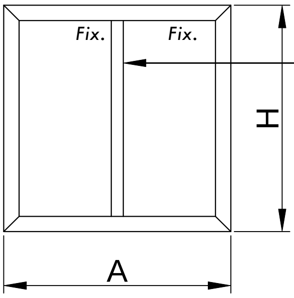


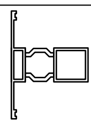


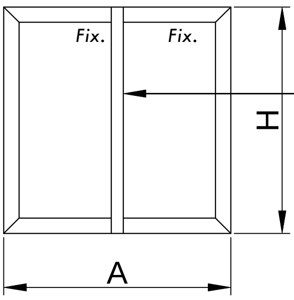
Primer Example Пример	q = 600 Pa	f doz. = $\frac{H}{300}$	EN 12211

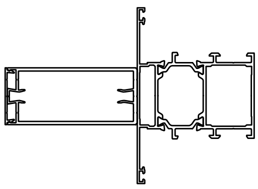


	Max. A (mm)	Max. H (mm)	Min. A (mm)	Min. H (mm)
501	3000	2500	300	300
517	3000	2500	300	300
601	3000	2500	300	300
617	3000	2500	300	300
701	3000	2500	300	300
717	3000	2500	300	300

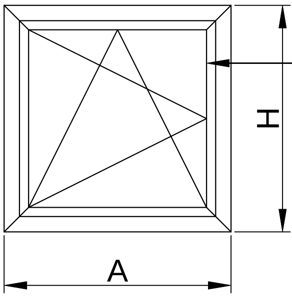


	Max. A (mm)	Max. H (mm)	Min. A (mm)	Min. H (mm)
502	2000	2500	540	300
513	1650	2200	540	300
602	2000	2500	540	300
613	1650	2200	540	300
702	2000	2500	540	300
713	1650	2200	540	300

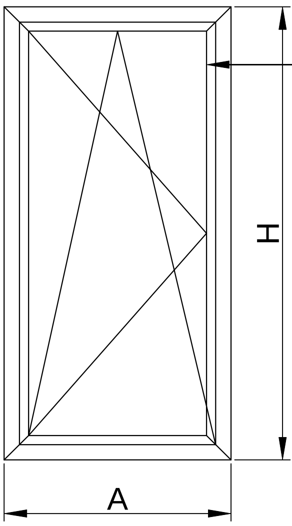




Proveriti statiku ojačane T preček (koristiti ograničenja i formule na strani 2.6)
Check static reinforced T-section (use limit and formulas on page 2.6)
Проверка статического усиленную Т-раздел (ограничения на использование и формул на стр 2.6)



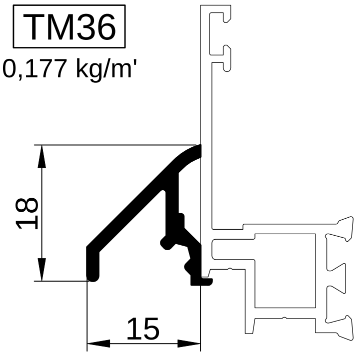
	Max. A (mm)	Max. H (mm)	Min. A (mm)	Min. H (mm)	Max. (kg) Krila Casement Створке
504	1300	1600	460	540	120
505	1300	1600	460	450	100
514	1470	1800	460	540	120
515	1470	1800	460	450	100
519	1470	1800	460	540	120
520	1470	1800	460	450	100
604	1300	1600	480	540	120
605	1300	1600	480	450	100
614	1470	1800	480	540	120
615	1470	1800	480	450	100
619	1470	1800	480	540	120
620	1470	1800	480	450	100
704	1300	1600	550	540	120
705	1300	1600	550	450	100
714	1470	1800	550	540	120
715	1470	1800	550	450	100
719	1470	1800	550	540	120
720	1470	1800	550	450	100



	Max. A (mm)	Max. H (mm)	Min. A (mm)	Min. H (mm)	Max. (kg) Krila Casement Створке
504	1000	2100	460	540	120
505	1000	2100	460	450	100
514	1100	2500	460	540	120
515	1100	2500	460	450	100
519	1100	2500	460	540	120
520	1100	2500	460	450	100
604	1000	2100	480	540	120
605	1000	2100	480	450	100
614	1100	2500	480	540	120
615	1100	2500	480	450	100
619	1100	2500	480	540	120
620	1100	2500	480	450	100
704	1000	2100	550	540	120
705	1000	2100	550	450	100
714	1100	2500	550	540	120
715	1100	2500	550	450	100
719	1100	2500	550	540	120
720	1100	2500	550	450	100

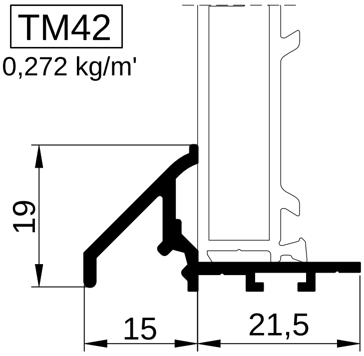
Lista pratećeg materijala
Accessories list
Список аксессуаров

TM36
0,177 kg/m'



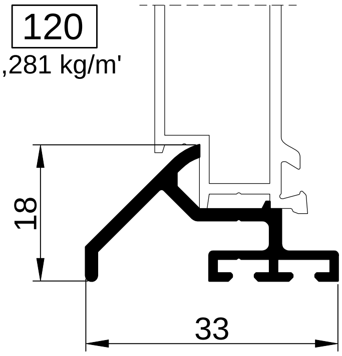
Slivnik
Waterdrip
Капельник

TM42
0,272 kg/m'



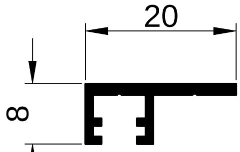
Slivnik i nosač četkice
Waterdrip and brush holder
Капельник и держатель щетки

120
0,281 kg/m'



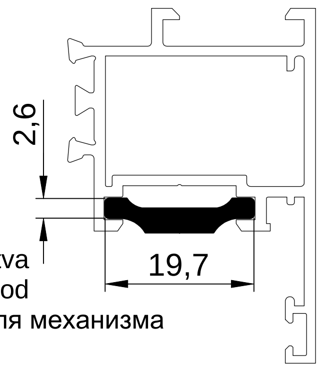
Slivnik i nosač četkice
Waterdrip and brush holder
Капельник и держатель щетки

TM43
0,130 kg/m'

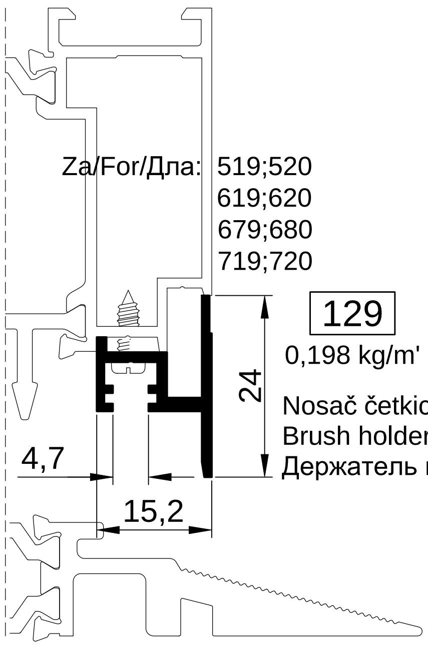


Nosač četkice
Brush holder
Держатель щетки

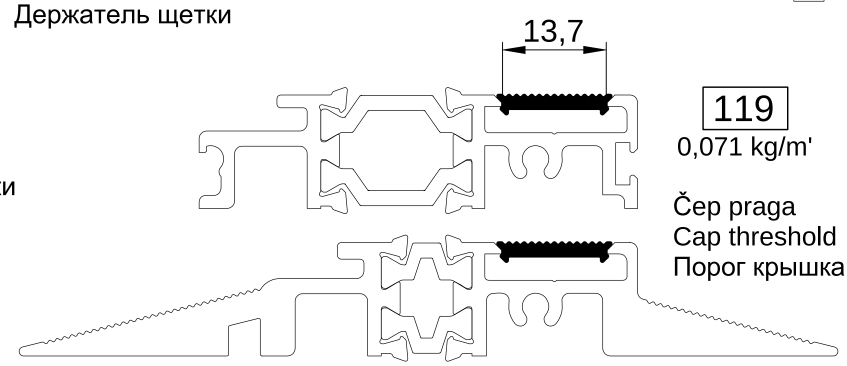
TM33
0,152 kg/m'



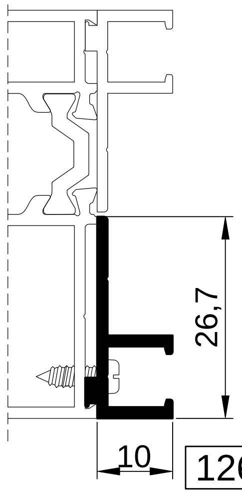
Pogonska letva
Mechanism rod
Стержень для механизма



129
0,198 kg/m'
Nosač četkice
Brush holder
Держатель щетки

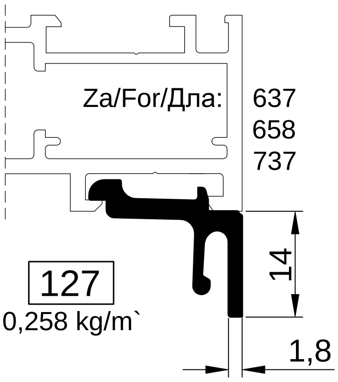


119
0,071 kg/m'
Čep praga
Cap threshold
Порог крышка



126
0,193 kg/m`

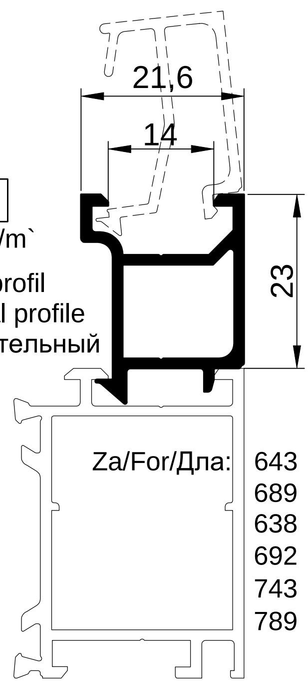
Profil za spoj
Profile for the connection
Профиль для связи



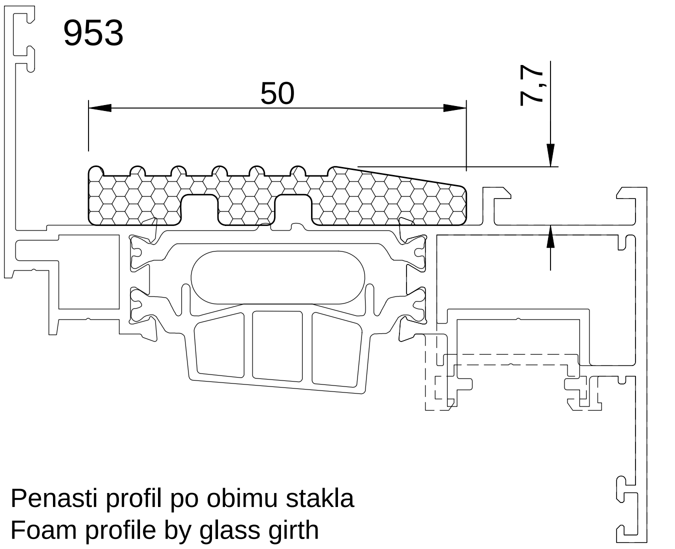
127
0,258 kg/m`

Nosač zaptivke SLG1
Gasket holder SLG1
Держатель прокладка SLG1

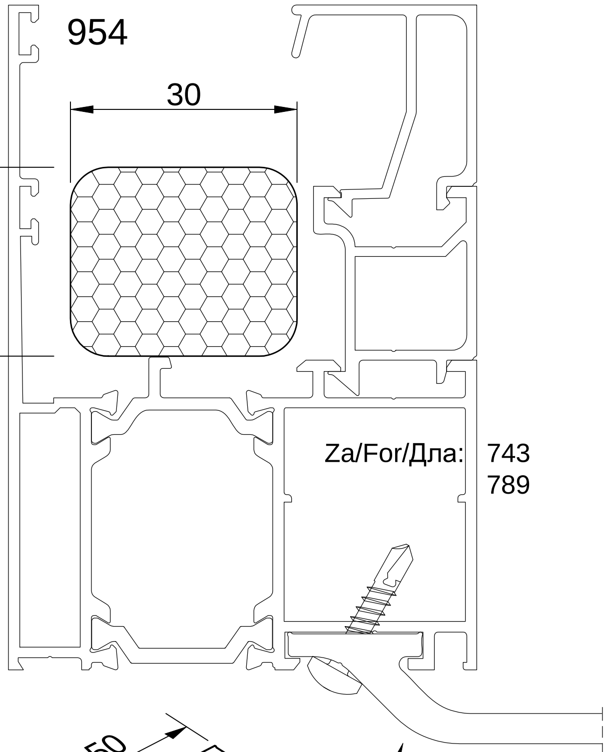
128
0,346 kg/m`
Dodatni profil
Additional profile
Дополнительный профиль



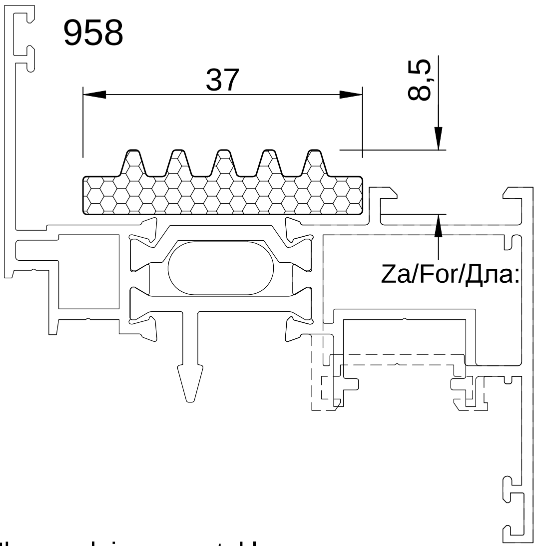
Penasti profil po obimu stakla
Foam profile by glass girth
Профиль пены по объему стекла



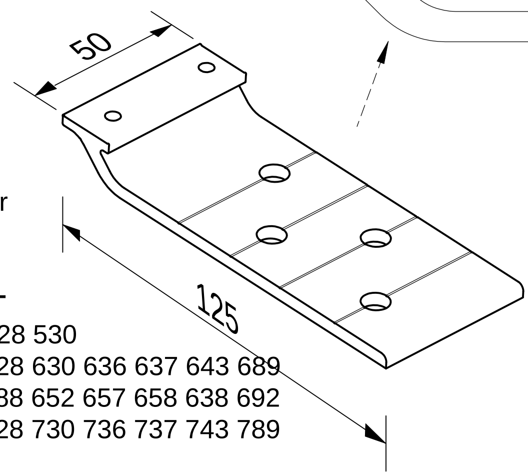
Penasti profil po obimu stakla
Foam profile by glass girth
Профиль пены по объему стекла



Penasti profil po obimu stakla
Foam profile by glass girth
Профиль пены по объему стекла



Za/For/Для: 664 665
674 675
679 680
639



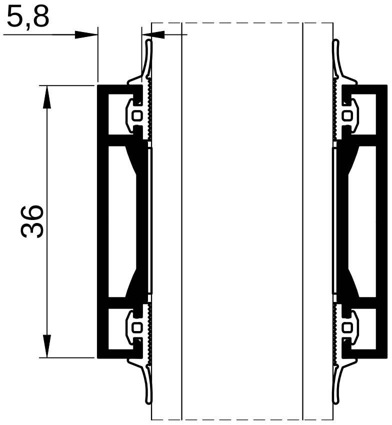
Kotva
Anchor
Якорь

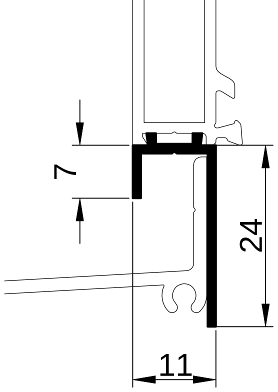
1001

Za/For/Для: 528 530
628 630 636 637 643 689
688 652 657 658 638 692
728 730 736 737 743 789

Ukrasna lajsna na staklu
Decorative bar on the glass
Декоративный гвоздь на стекле

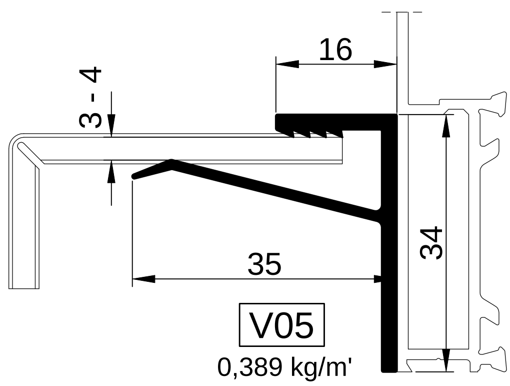
TM85
0,29 kg/m'





110
0,133 kg/m'

Opšivni profil
Casing profile
Обшивка



V05
0,389 kg/m'

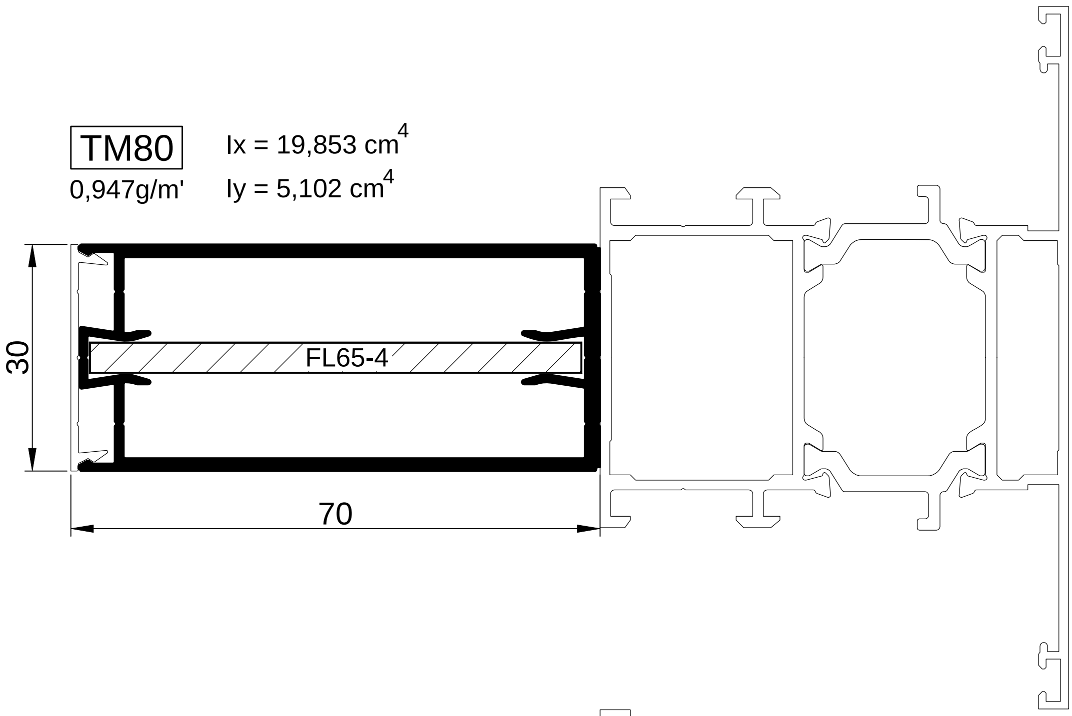
Profil za prihvat obloge
Cladding mounting profile
Профиль монтажа облицовки

Modularni stub
Modular mullion
Модульный колонка

TM80
0,947g/m'

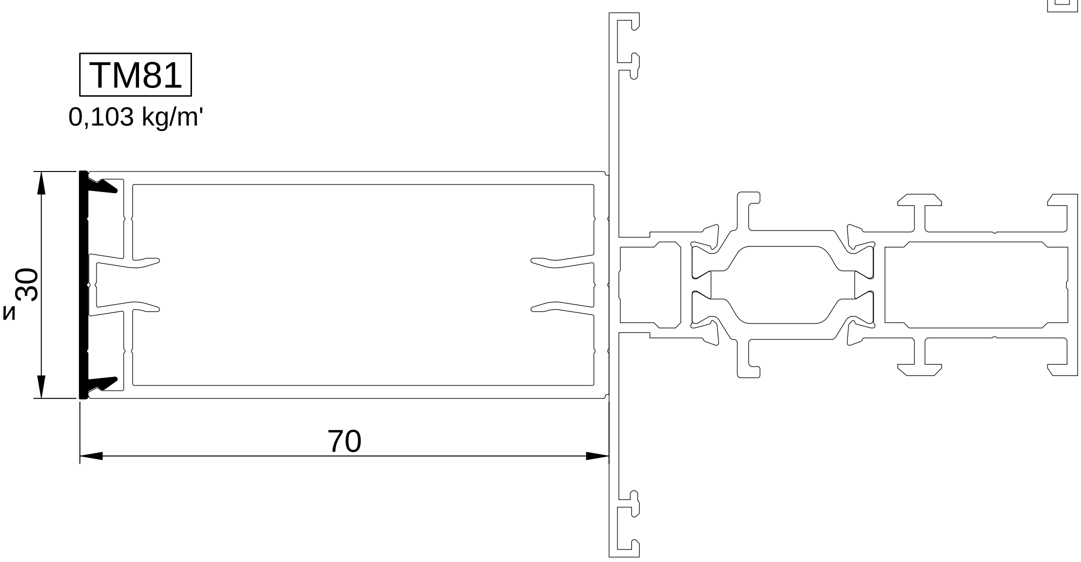
Ix = 19,853 cm^4
Iy = 5,102 cm^4

A) Montaža unutra
Installation inside
Установка внутри



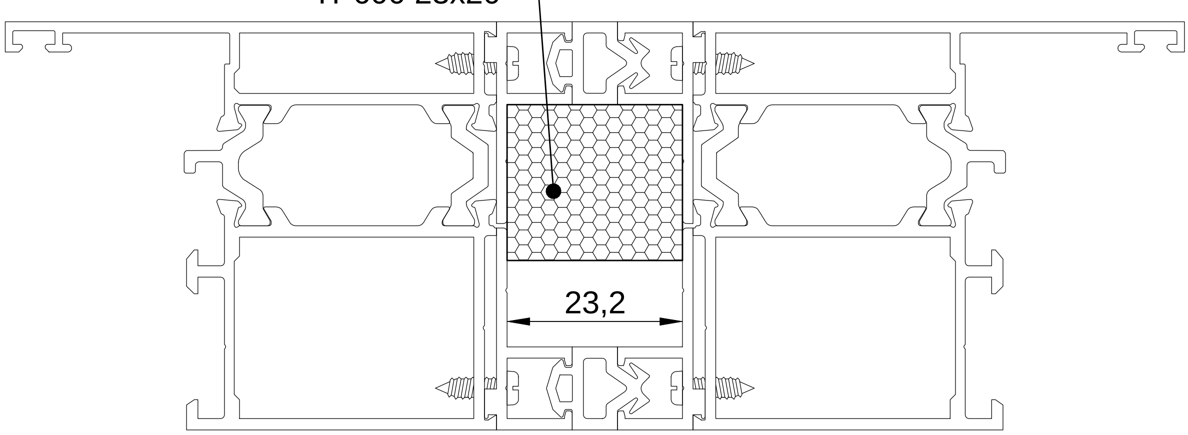
TM81
0,103 kg/m'

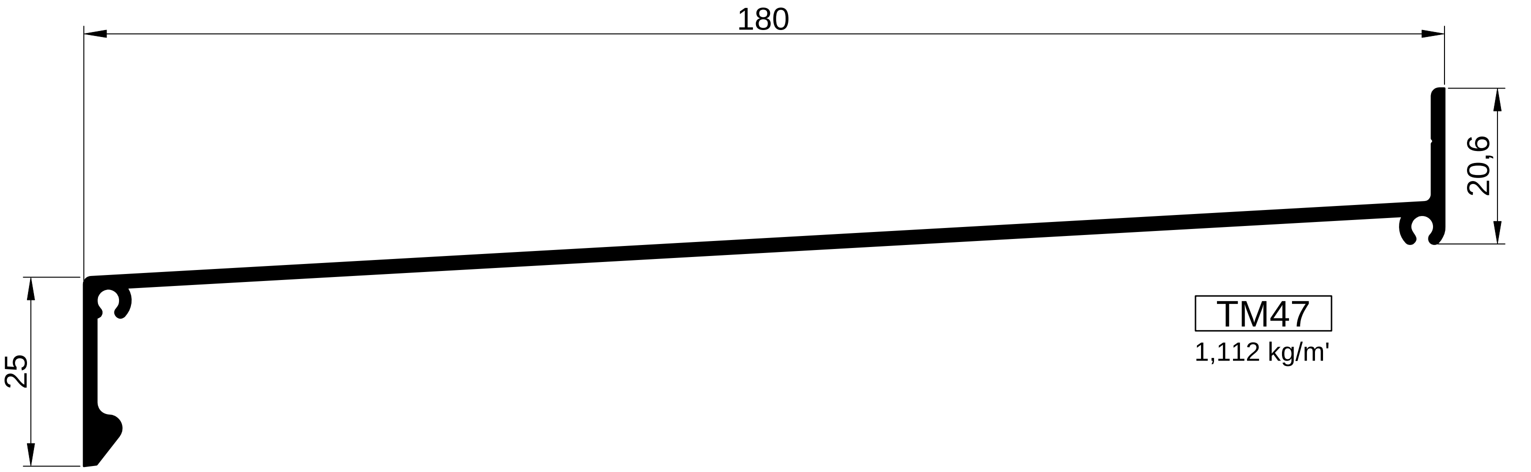
B) Montaža spolja
Installation outside
Установка за пределами

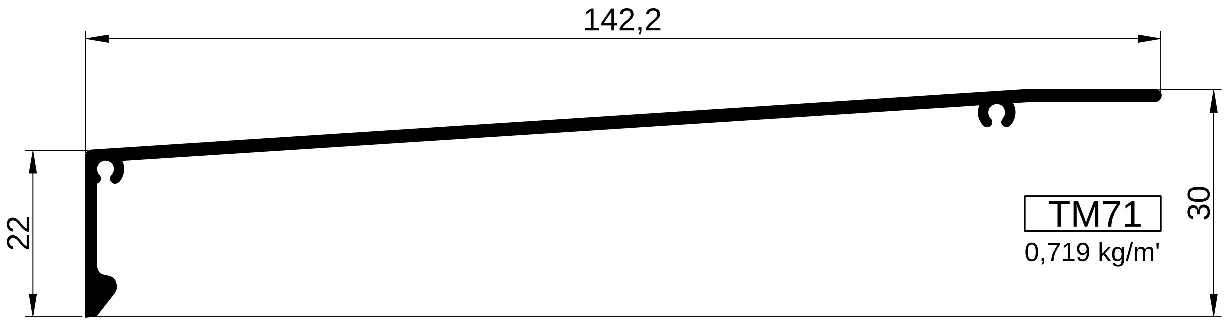


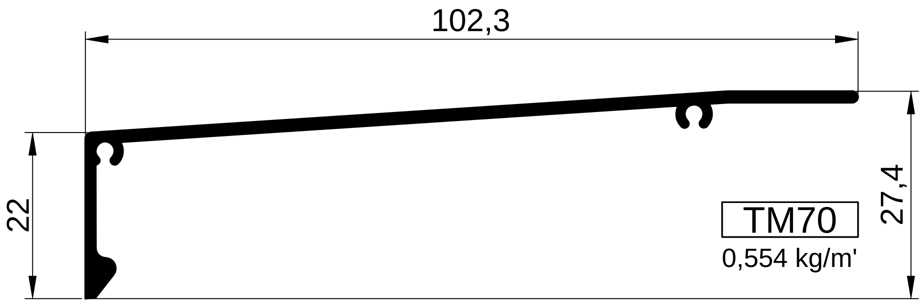
Penasti profil na spoju
Joint foam profile
Профиль пены на суставе

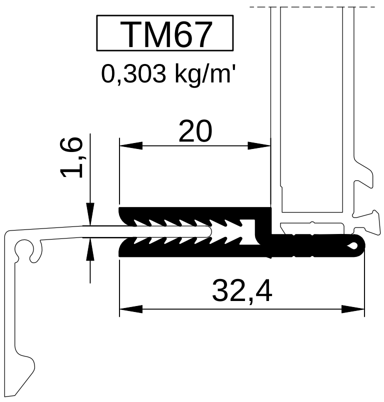
TP600 23x20

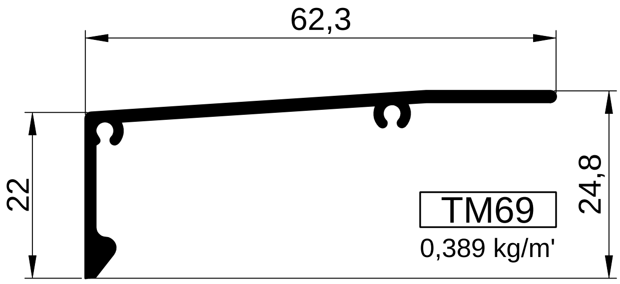


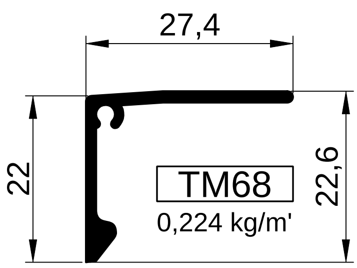

180
20,6
25
TM47
1,112 kg/m'

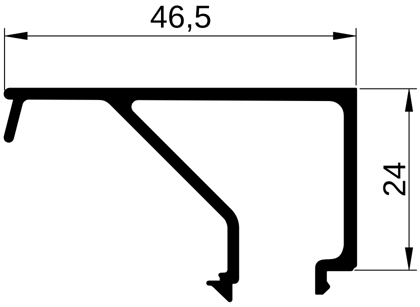

142,2
22
30
TM71
0,719 kg/m'


102,3
22
27,4
TM70
0,554 kg/m'

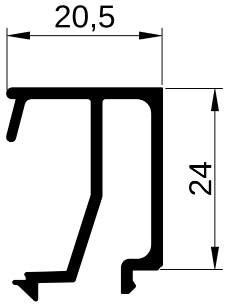

TM67
0,303 kg/m'
1,6
20
32,4


62,3
22
24,8
TM69
0,389 kg/m'

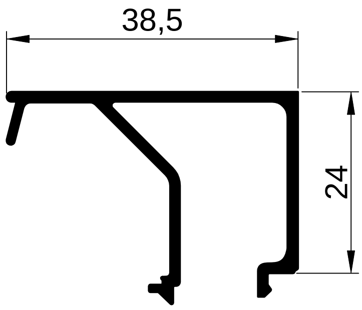

27,4
22
22,6
TM68
0,224 kg/m'



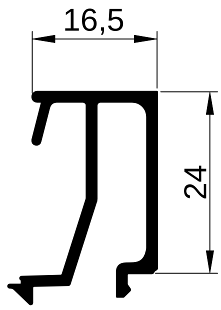
107
0,447 kg/m`



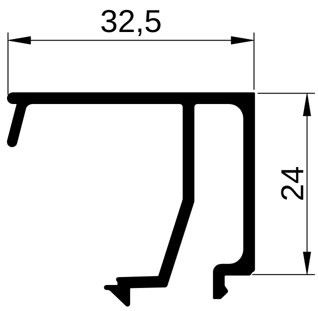
116
0,320 kg/m`



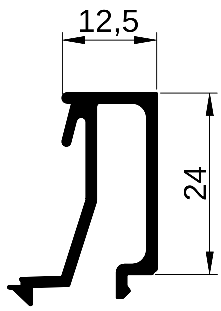
108
0,393 kg/m`



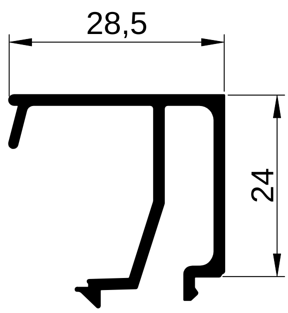
106
0,302 kg/m`



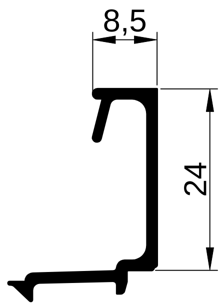
101
0,359 kg/m`



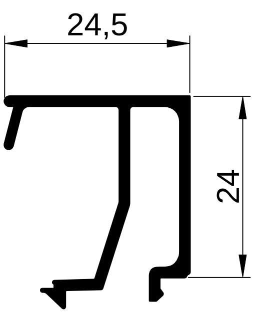
122
0,296 kg/m`



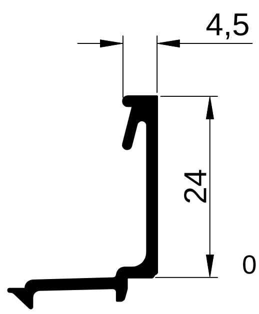
117
0,348 kg/m`



123
0,211 kg/m`

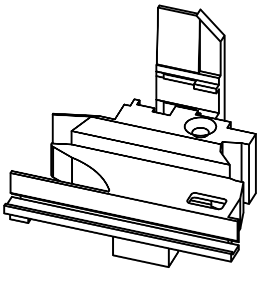


100
0,330 kg/m`

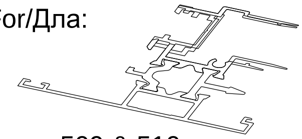


124
0,200 kg/m`

916

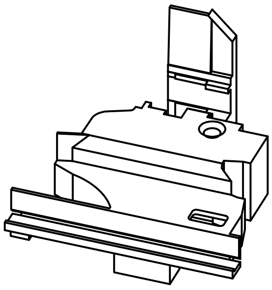


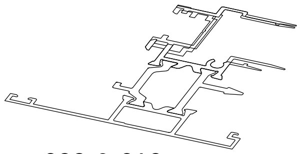
Za/For/Дла:



509 & 510

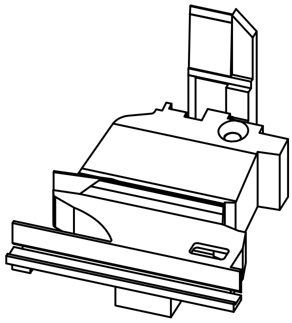
917

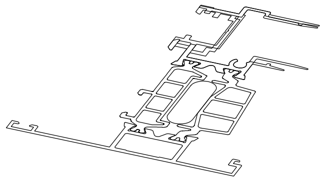




609 & 610
669 & 670

918



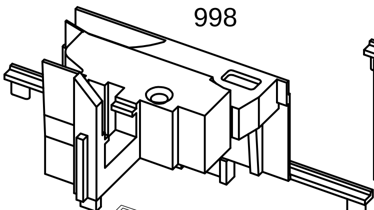


709 & 710

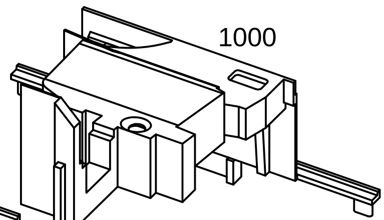
Čep profila veze dvokrilnog prozora
Double casement connection profile bung
Затычка соединительного профила двойной створки

Sistem *System* *Система*	*ST 54*	*PLUS 62* *THERM 62*	*THERM 77*	*BLOCK PLUS 62* *BLOCK THERM 62*	*BLOCK THERM 77*
Oznaka Mark Марк	916	917	918	998	1000

998

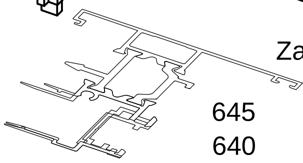


1000



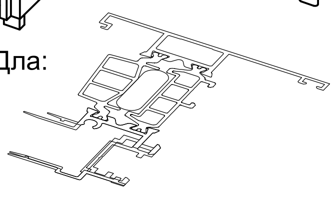
Čep praga
Bung threshold
Пробка порога

Sistem *System* *Система*	*PLUS 62* *THERM 62*	*THERM 77*
Oznaka Mark Марк	966	967



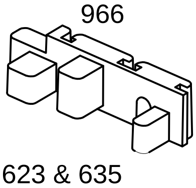
645
640

Za/For/Дла:

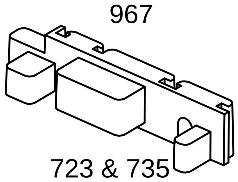


745

966

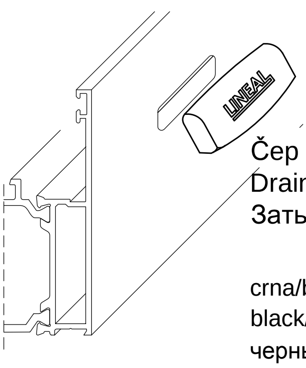


967



Za/For/Дла: 623 & 635
683 & 659

723 & 735

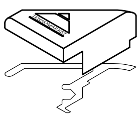


TMP9

Čep drenaže štoka
Drainage bung of the rod
Затычка дренаж стержена

crna/bela/siva/braon
black/white/grey/brown
черный/белый/серый/коричневый

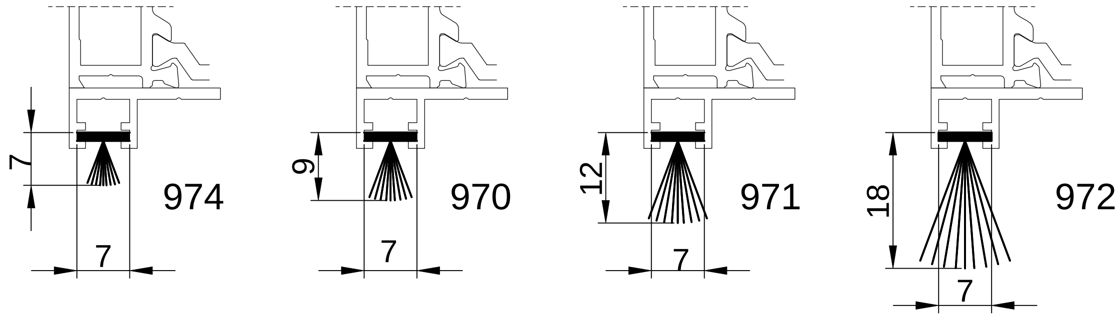
TMP12



Čep slivnika
Water drip bung
Затычка капельного

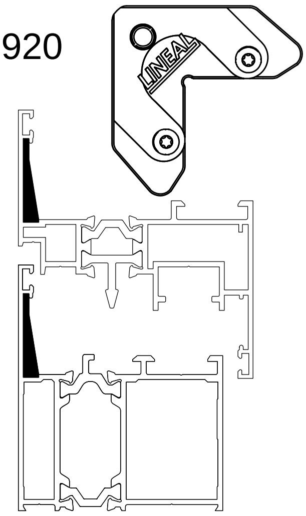
crna/bela/siva
black/white/grey
черный/белый/серый

Četkice praga
Rod drainge brush
Шетки порога



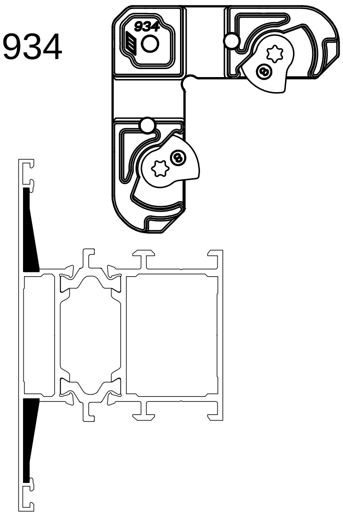
Spojnica u peru (štok i krilo)
Thorn clip (frame and casement)
Клип в шипе (рама и крыло)

920



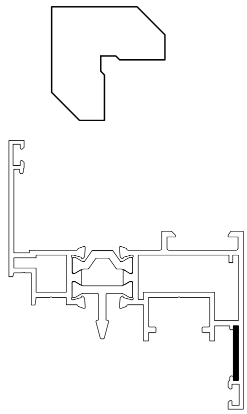
Spojnica u peru (T prečka)
Thorn clip (T profile)
Клип в шипе (T профиль)

934



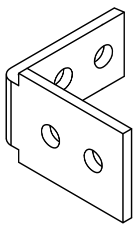
Spojnica u peru
Thorn clip
Клип в шипе

TMA18

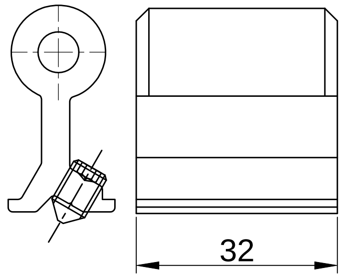


Spojnica prečke
Crossbar clip
Клип штанги

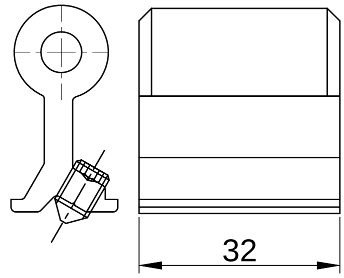
905



915



995



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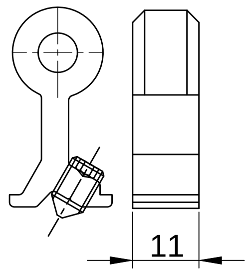
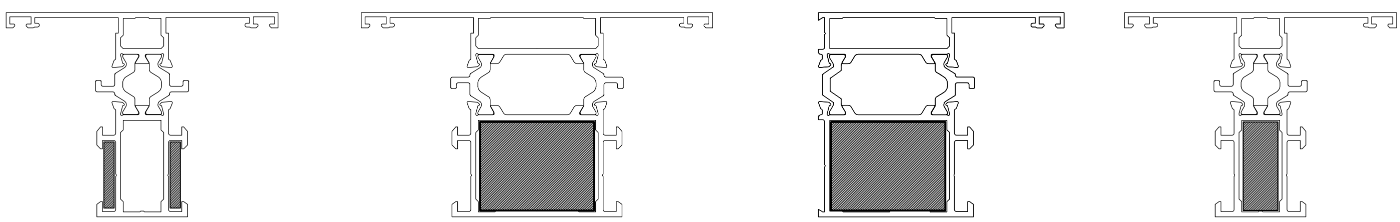
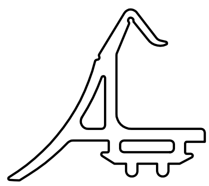


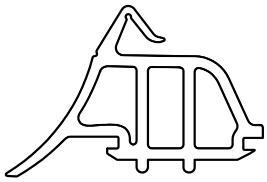


Centralna zaptivka
Central seal
Центральна прокладка

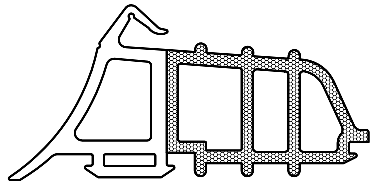
901

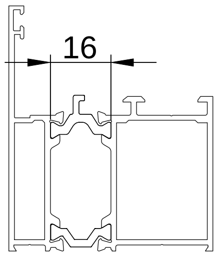


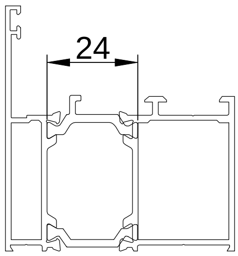
902

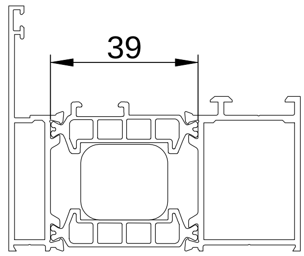


903



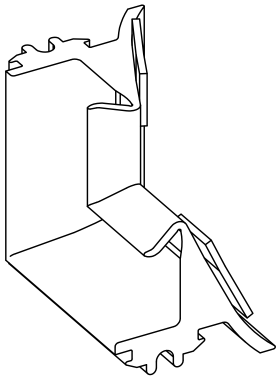




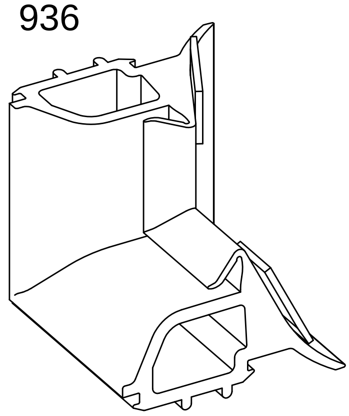


Vulkanizirani ugao centralne zaptivke
Central seal vulcanized angle
вулканиз. угол централ. прокладки

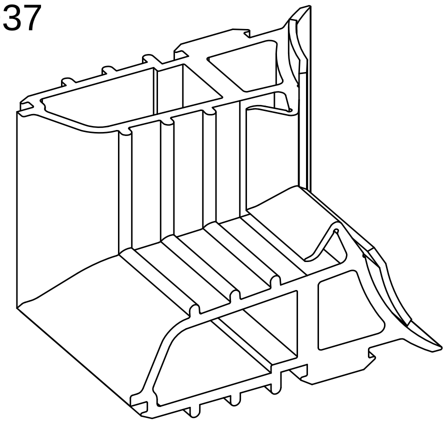
935



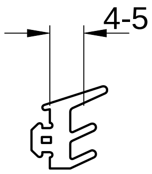
936



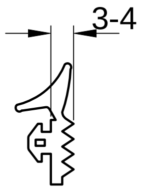
937



TMG9



TMG1



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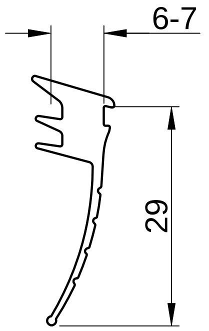
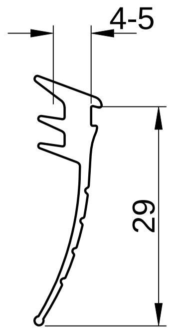
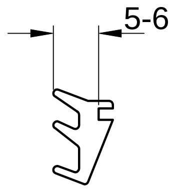


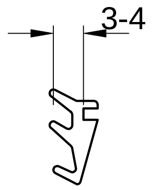
921



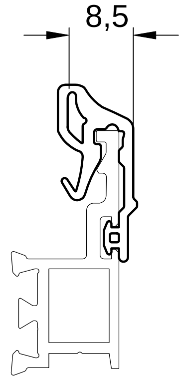
TMG3



TMG2

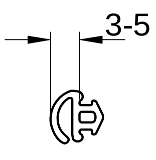


997

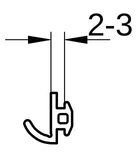


Zaptivke stakla
Glazing gasket
Прокладка остекления

TMG6



TMG5



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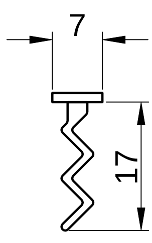
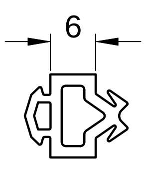
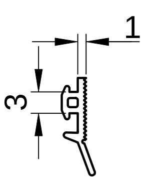


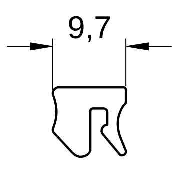
996



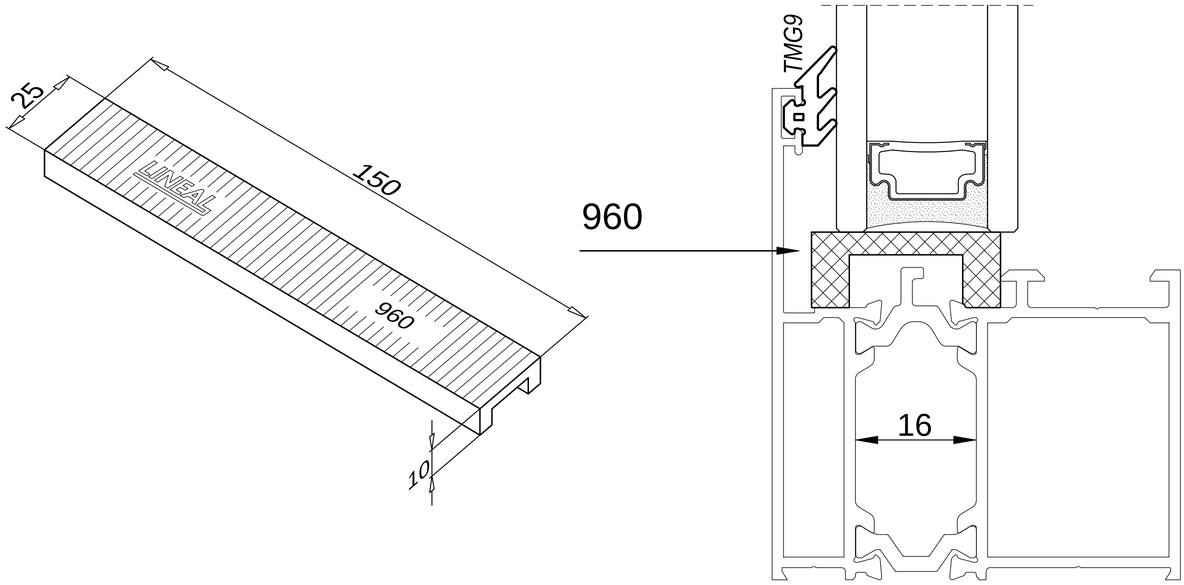
TMG7

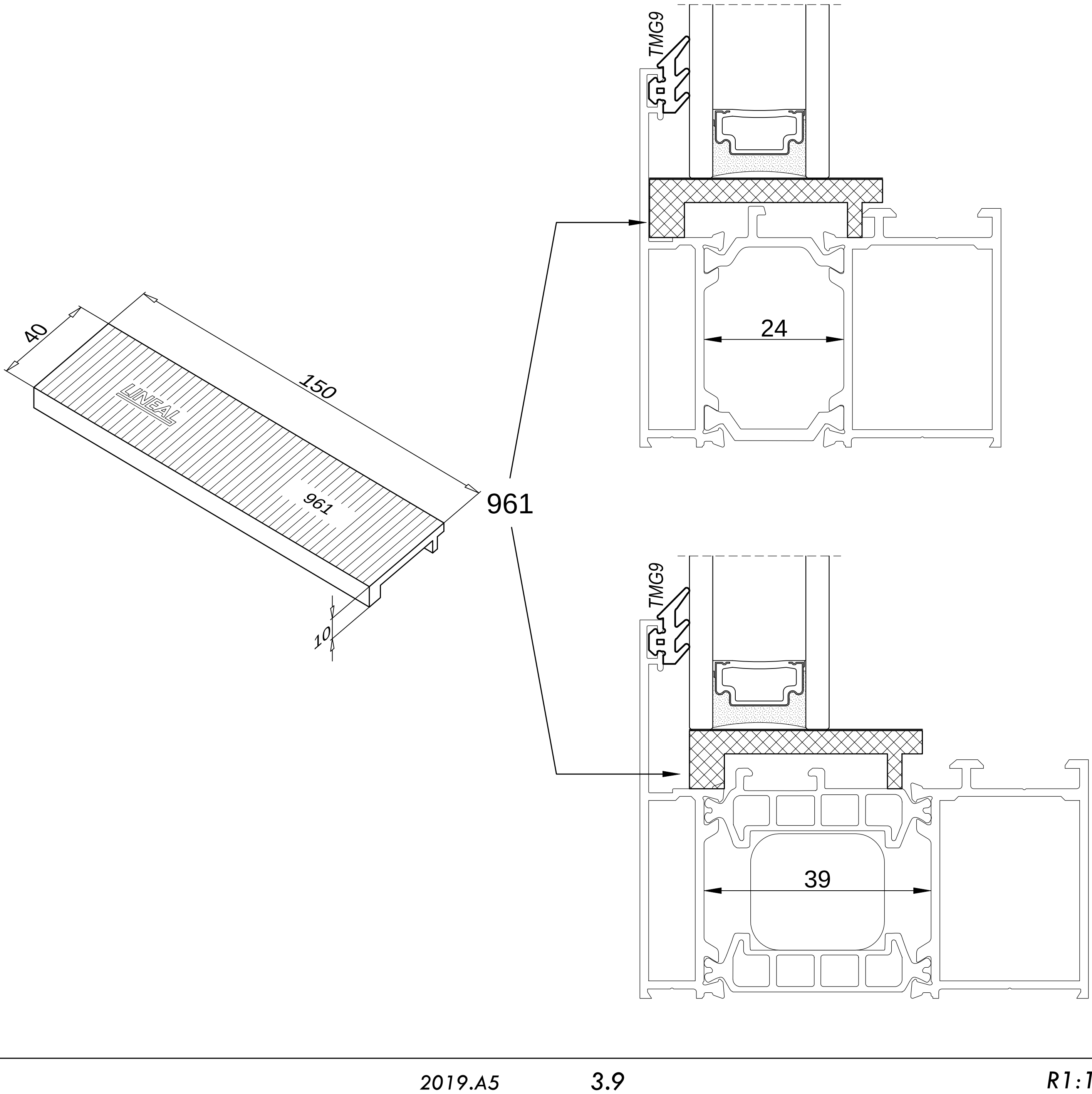


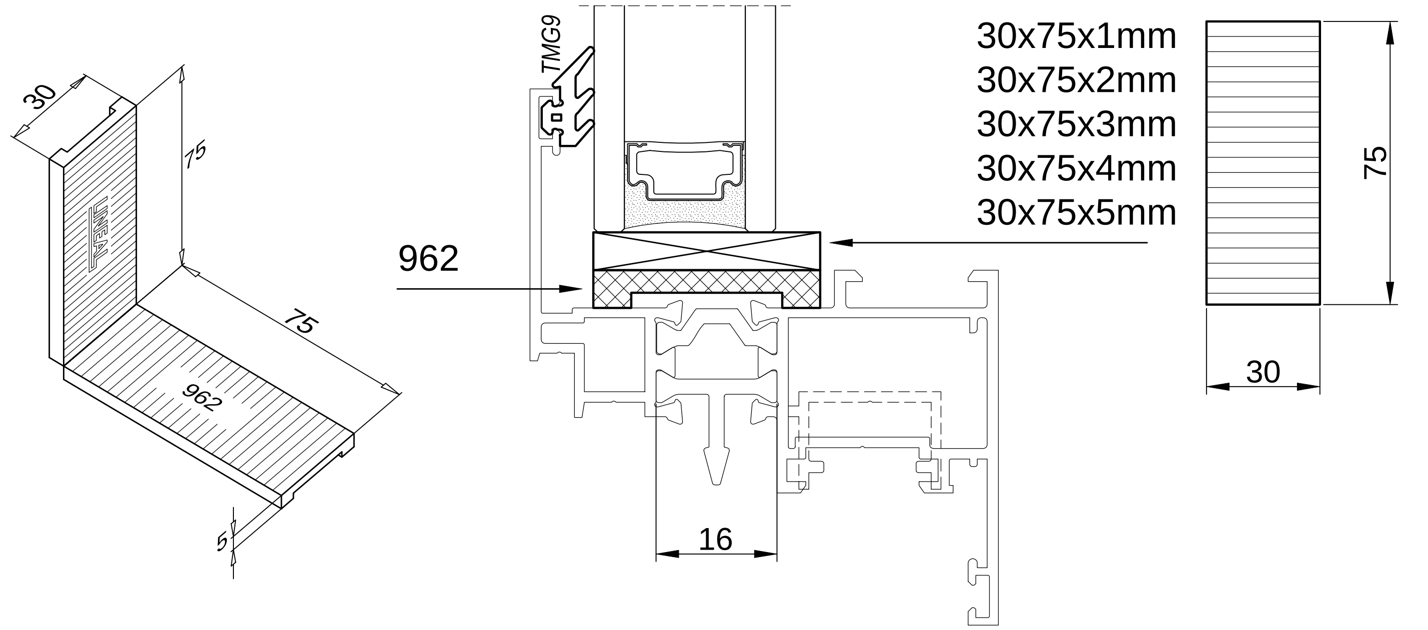
SLG1

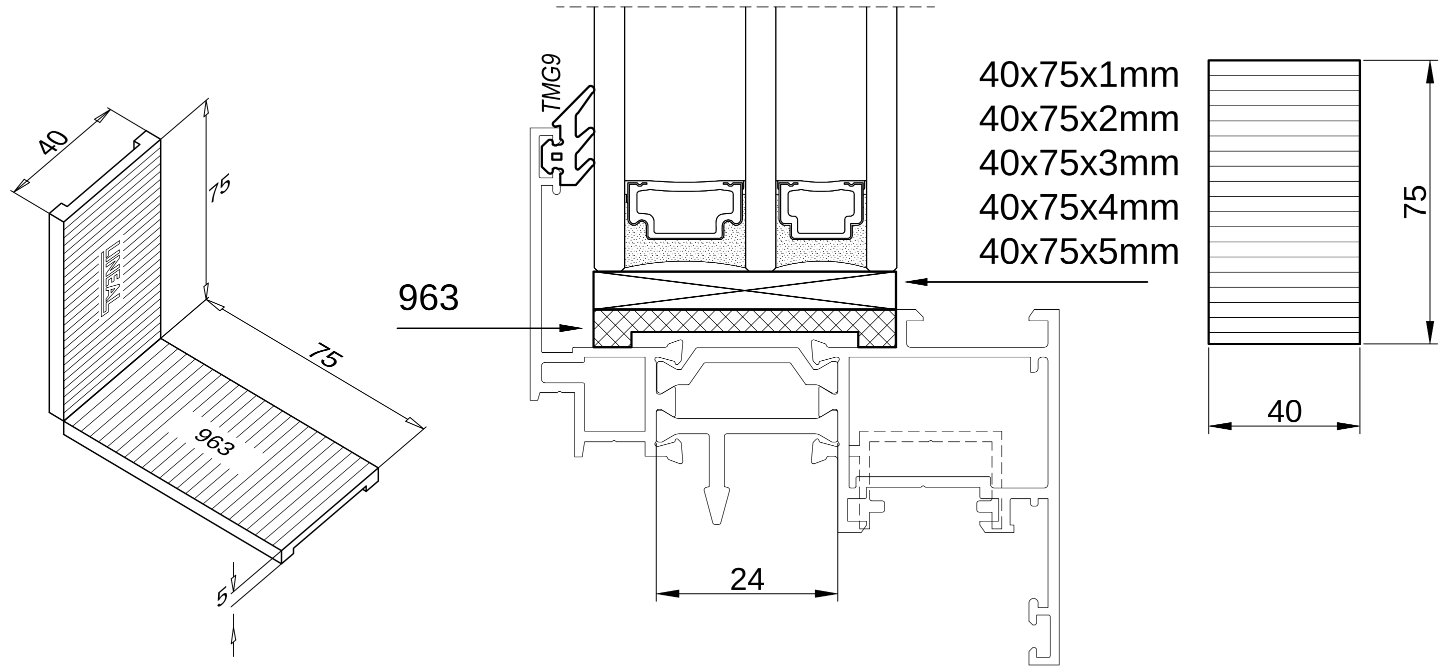


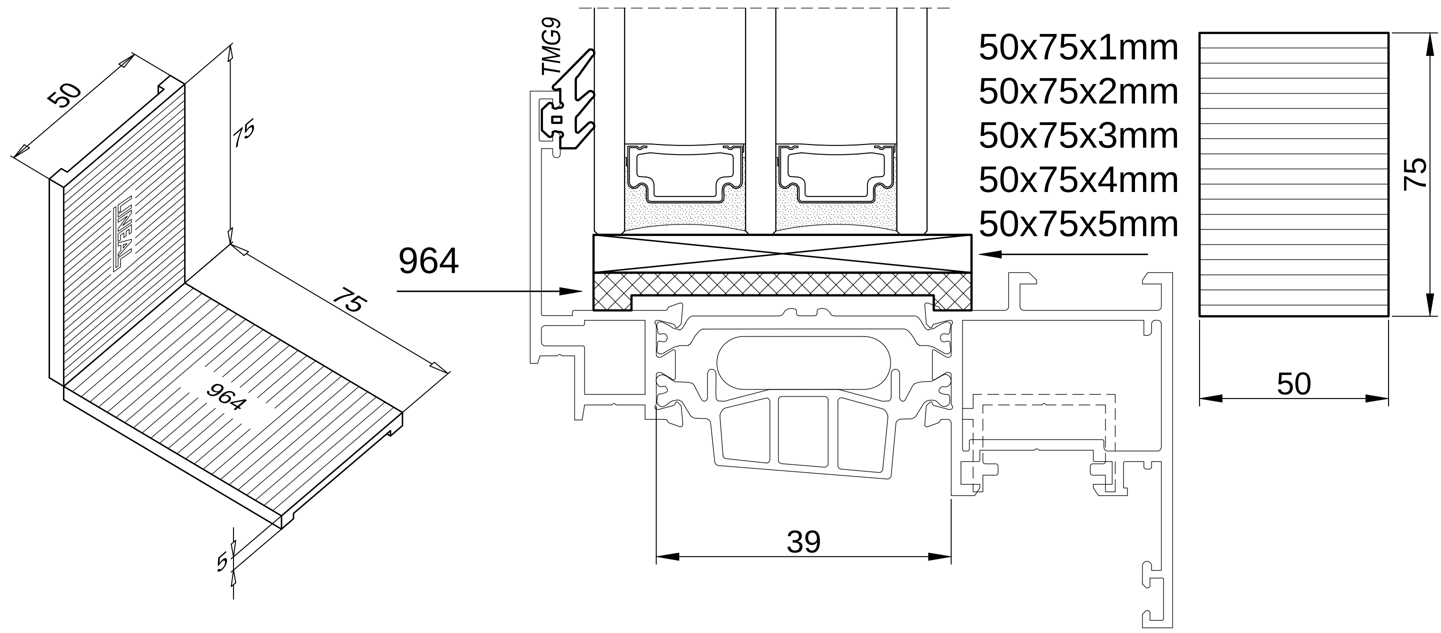
Zaptivke
Casement
Прокладка

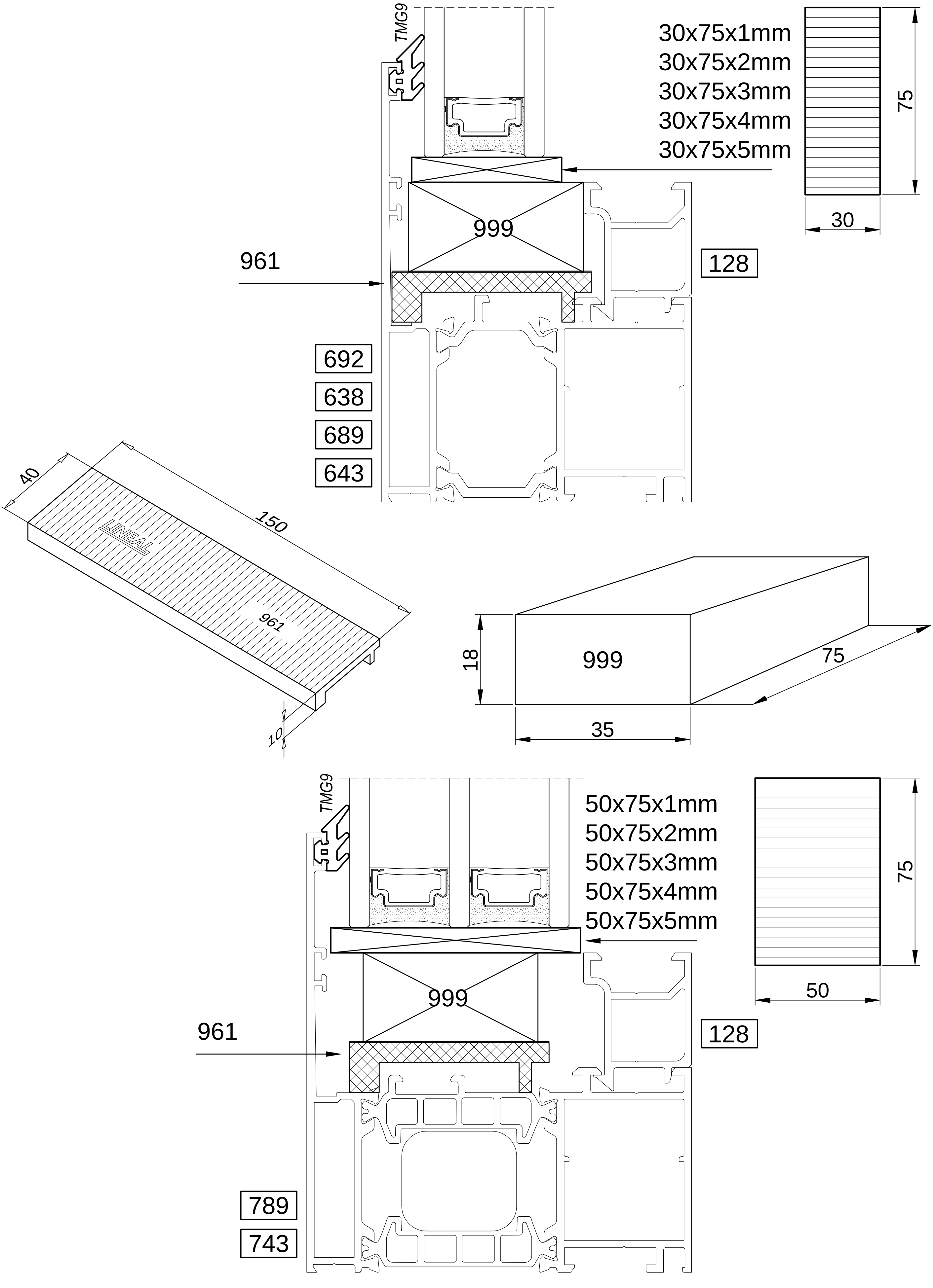

25
150
LINEAL
960
10
960
TMG9
16

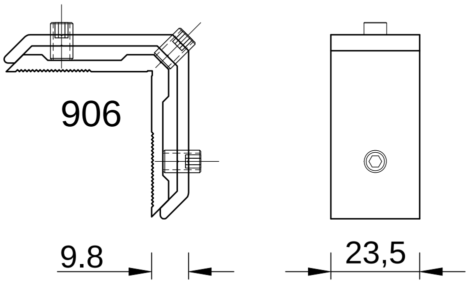

TMG9
24
40
150
LINEAL
961
10
961
TMG9
39


30
75
75
962
5
TMG9
962
16
30x75x1mm
30x75x2mm
30x75x3mm
30x75x4mm
30x75x5mm
75
30


40
75
75
963
5
TMG9
963
24
40x75x1mm
40x75x2mm
40x75x3mm
40x75x4mm
40x75x5mm
75
40


50
75
75
964
5
TMG9
964
39
50x75x1mm
50x75x2mm
50x75x3mm
50x75x4mm
50x75x5mm
75
50


TMG9
30x75x1mm
30x75x2mm
30x75x3mm
30x75x4mm
30x75x5mm
75
30
999
961
128
692
638
689
643
40
150
LINEAL
961
10
18
999
35
75
TMG9
50x75x1mm
50x75x2mm
50x75x3mm
50x75x4mm
50x75x5mm
75
50
999
961
128
789
743



Za/For/Дла: 505-605-665-705
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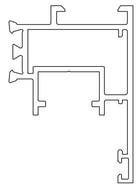
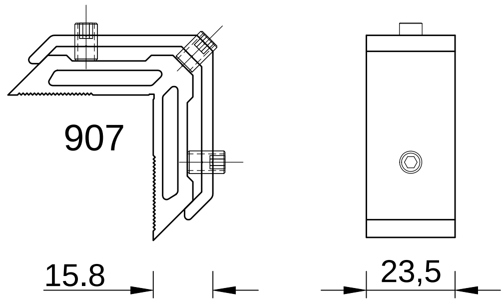
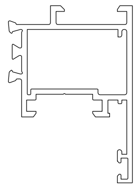
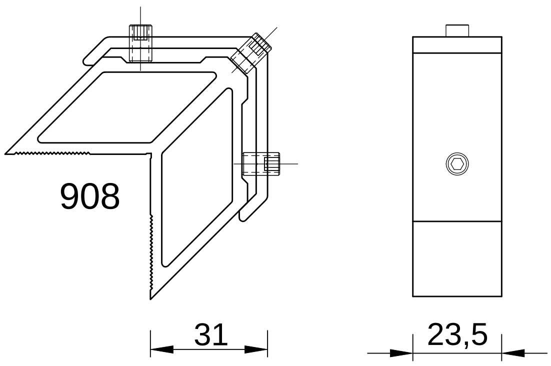
636-657-736
637-658-737
644-639-744
689-692-789



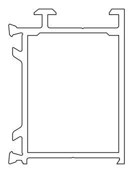


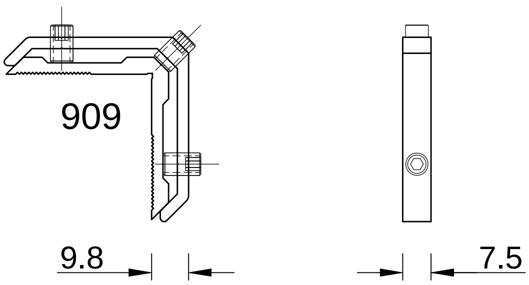
Za/For/Дла: 504-604-664-704
530-630-652-730
643-638-743





Za/For/Дла: 501-601-661-701
517-617-677-717





Za/For/Дла: 504-604-664-704
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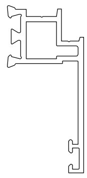

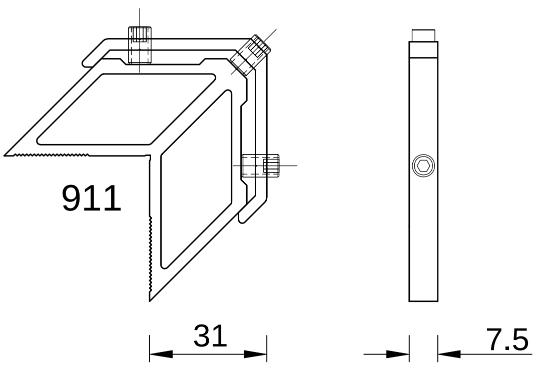

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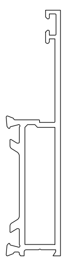
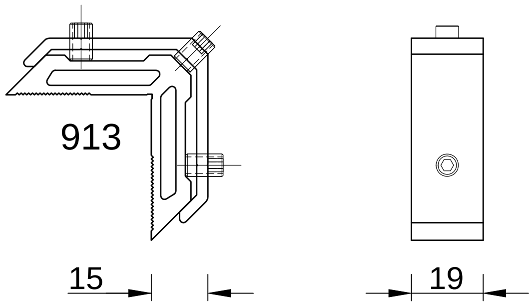
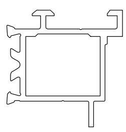
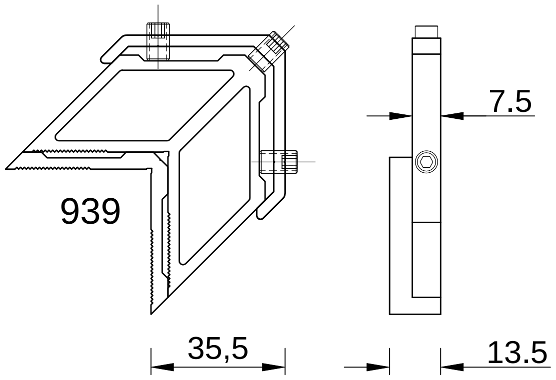
643-638-743





Za/For/Дла: 524-624-684-724





Za/For/Дла: 514-614-674-714
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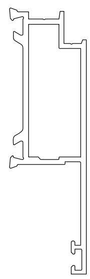
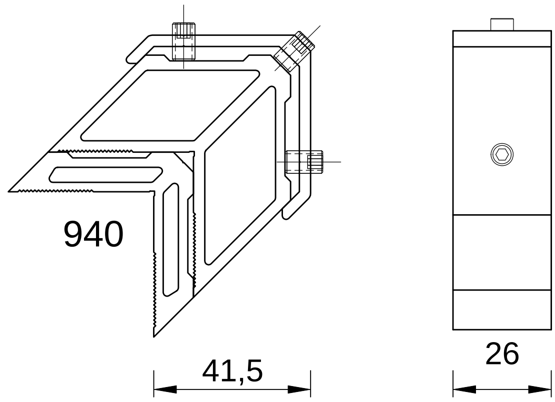
520-620-680-720





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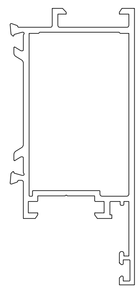

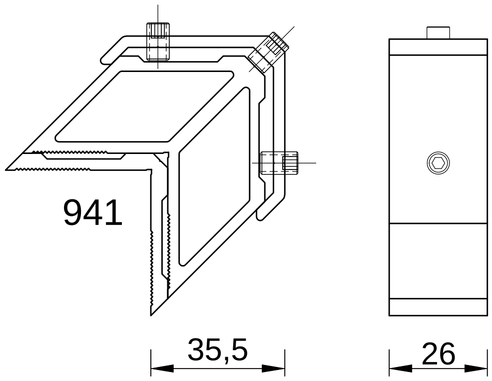

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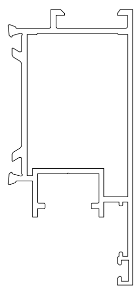

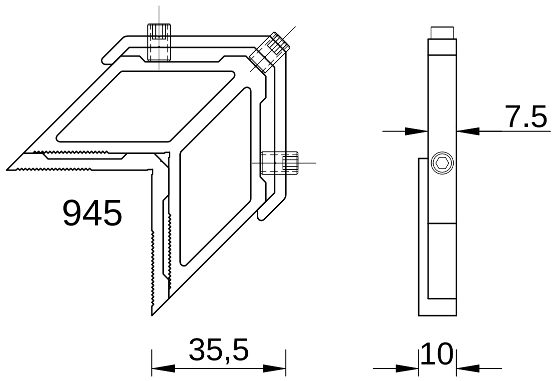

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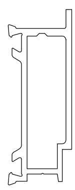

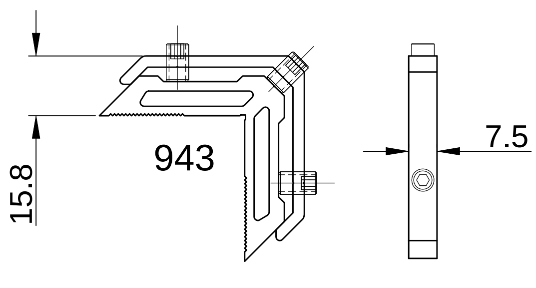

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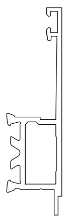
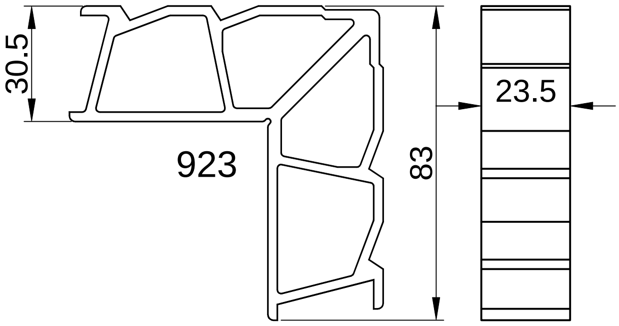
689-692-789





Za/For/Дла:
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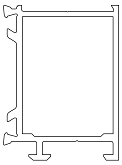
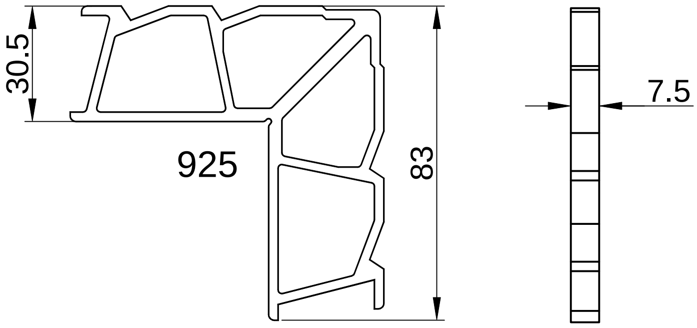
517-617-677-717





Za/For/Дла:
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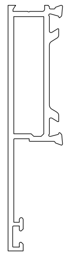

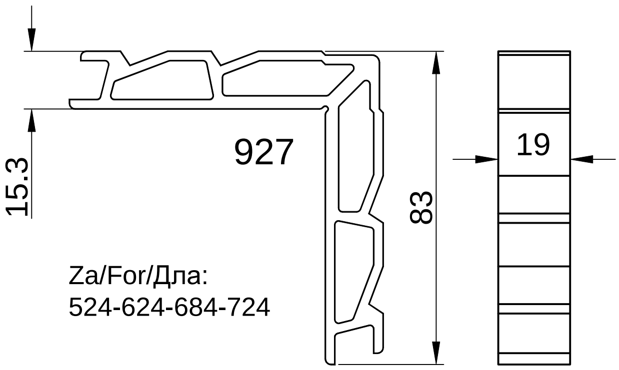

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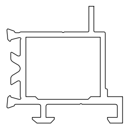

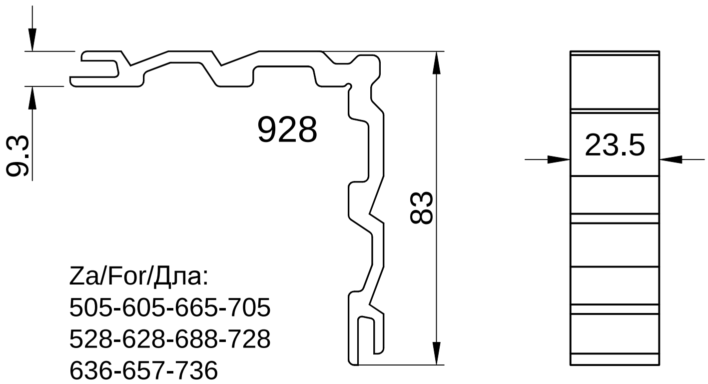

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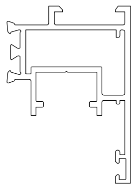

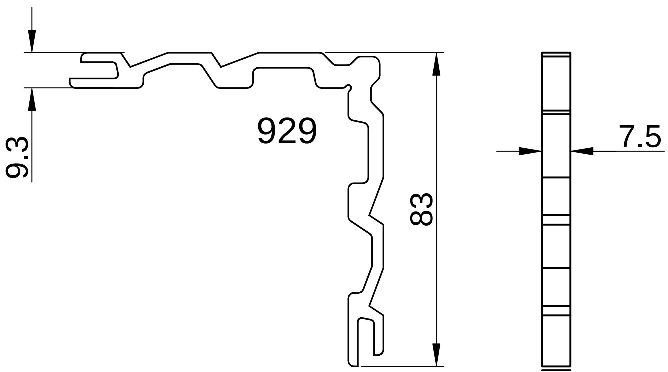

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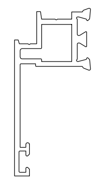

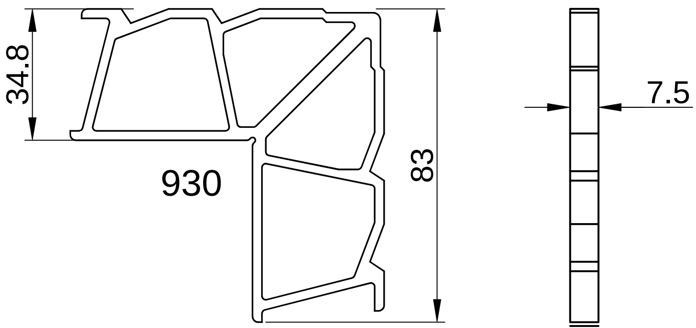

Za/For/Дла:
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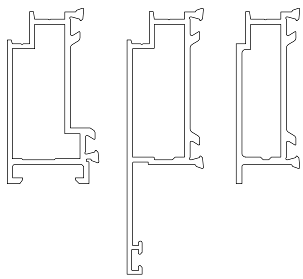

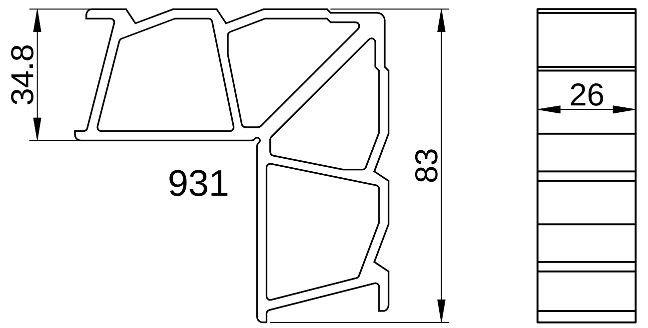

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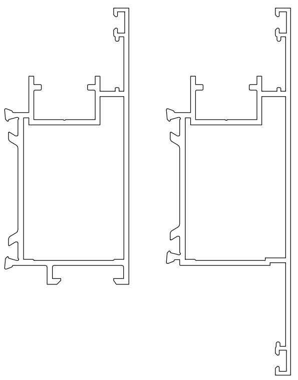

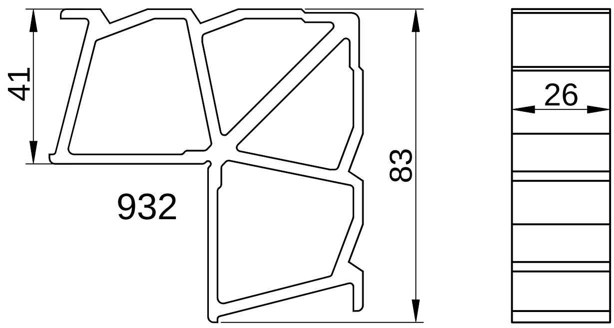

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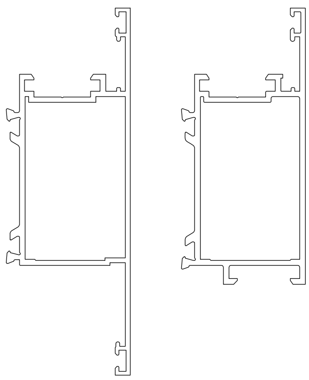

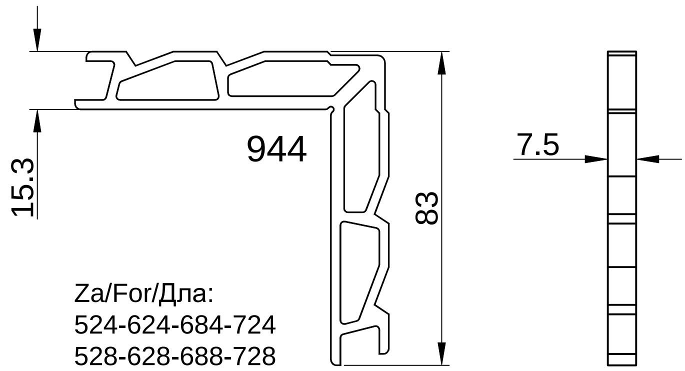

Za/For/Дла:
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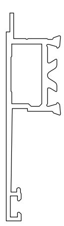

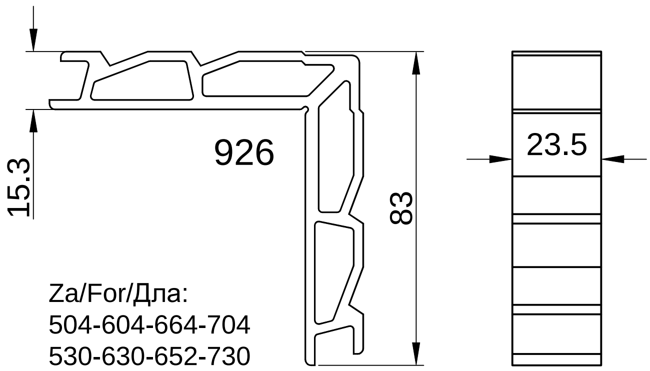

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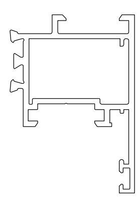

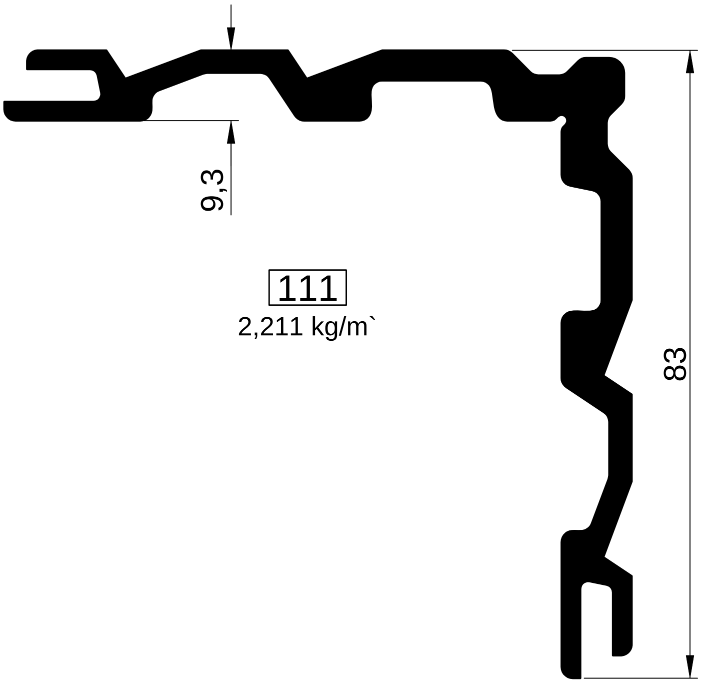

111
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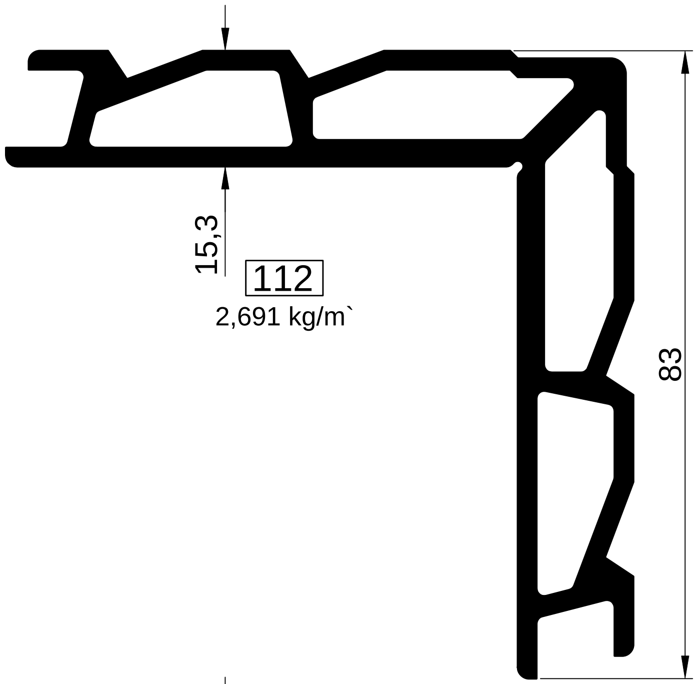

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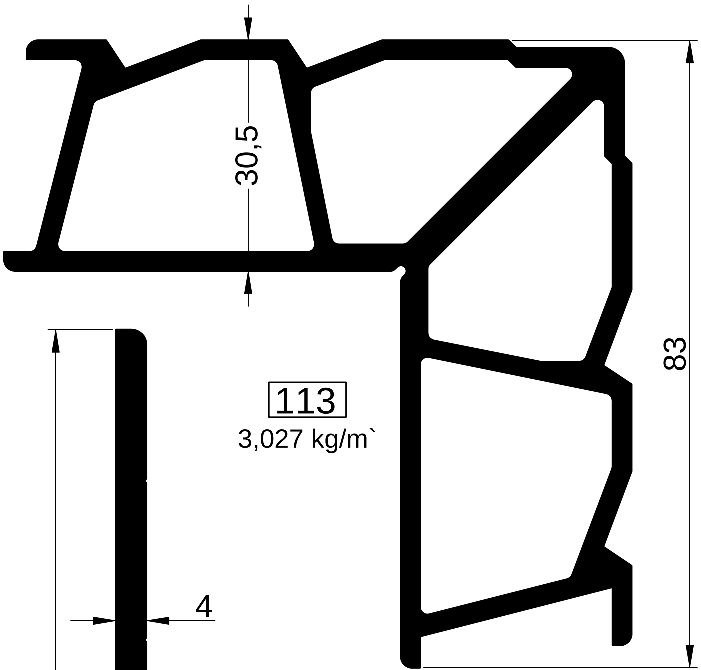

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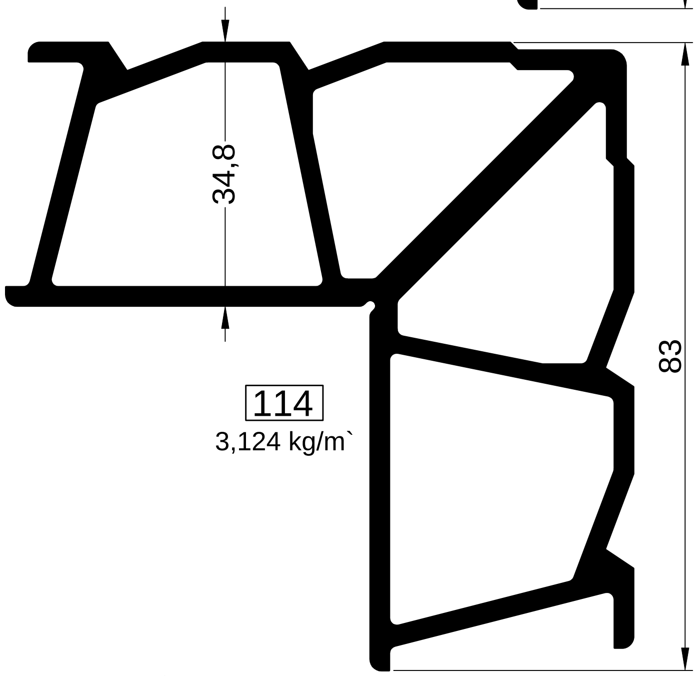

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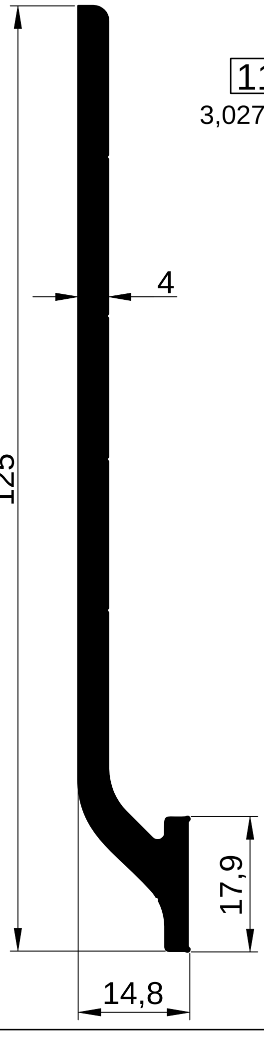

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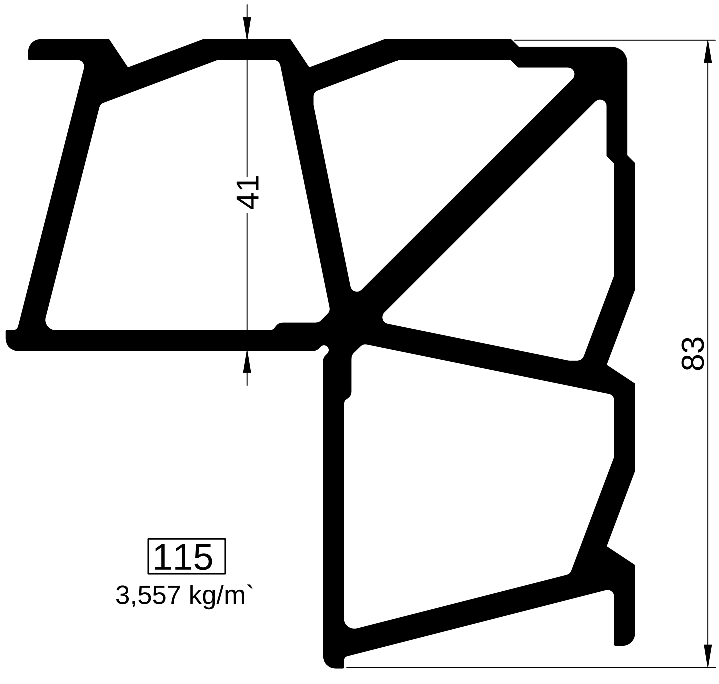
1,494 kg/m`



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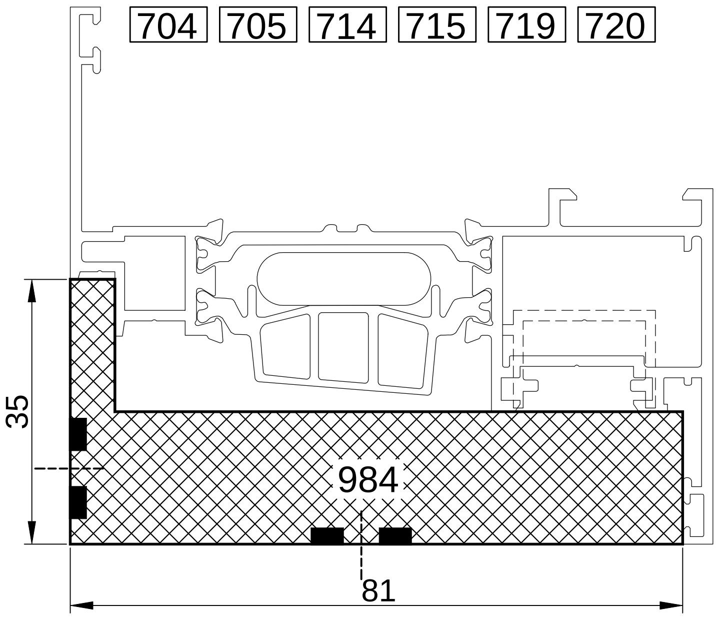
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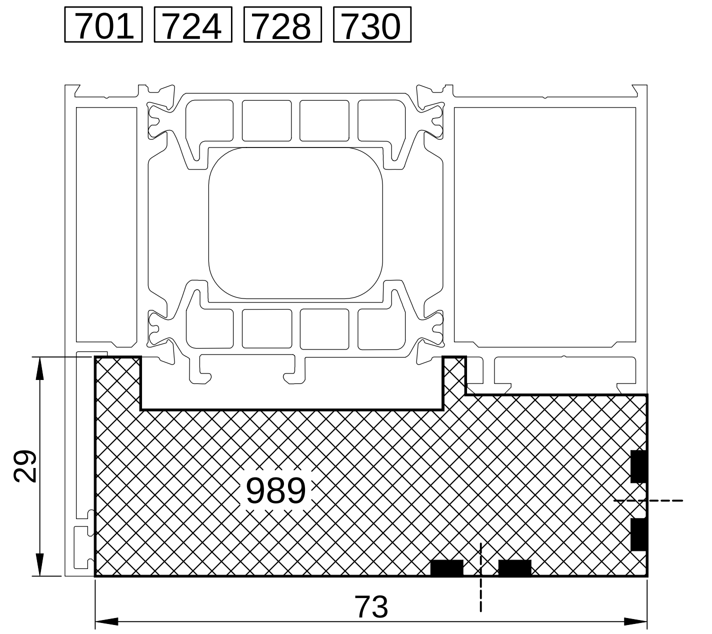
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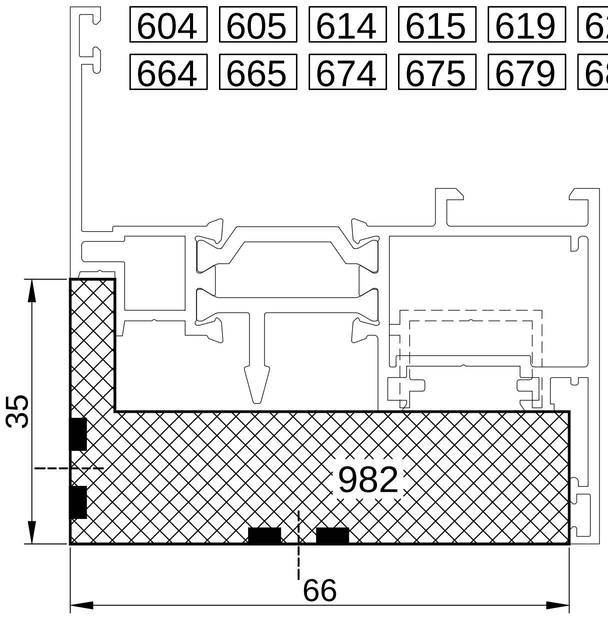
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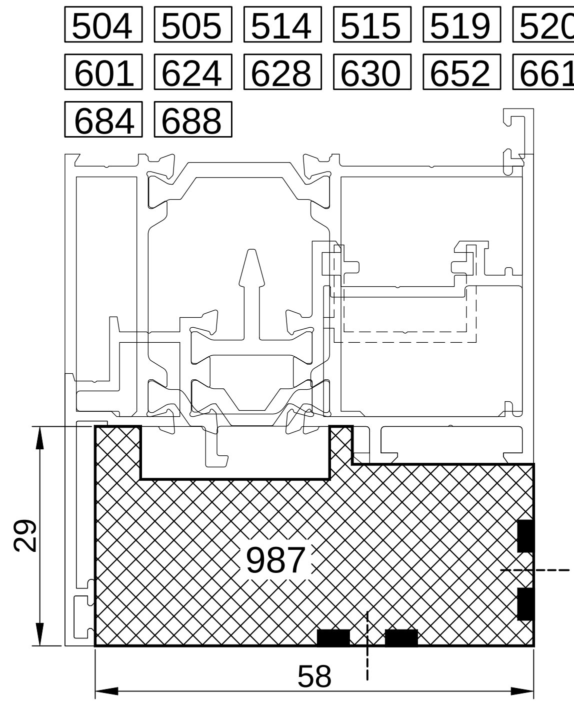
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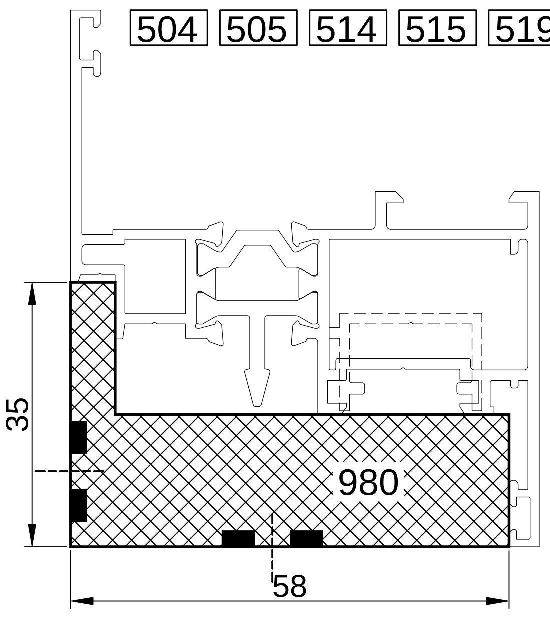
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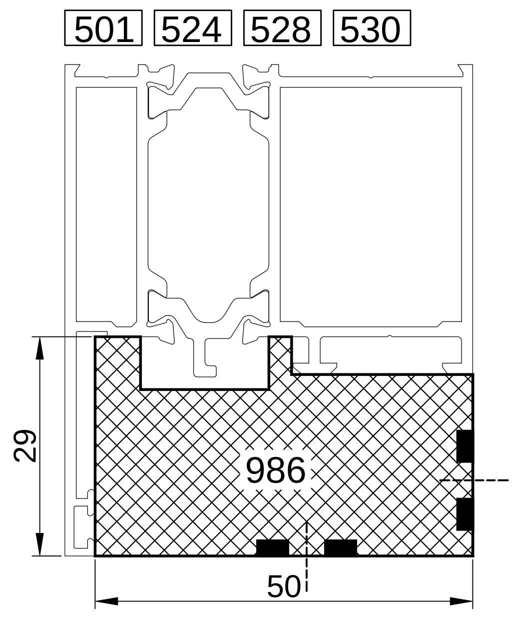
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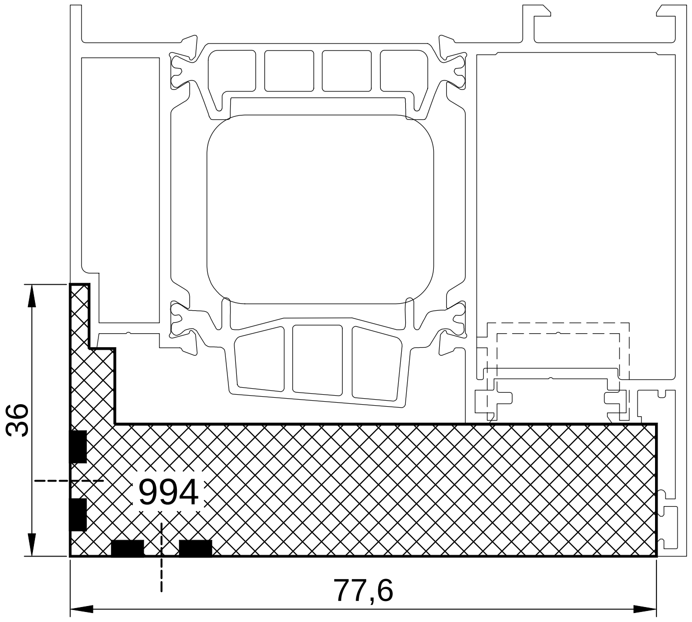
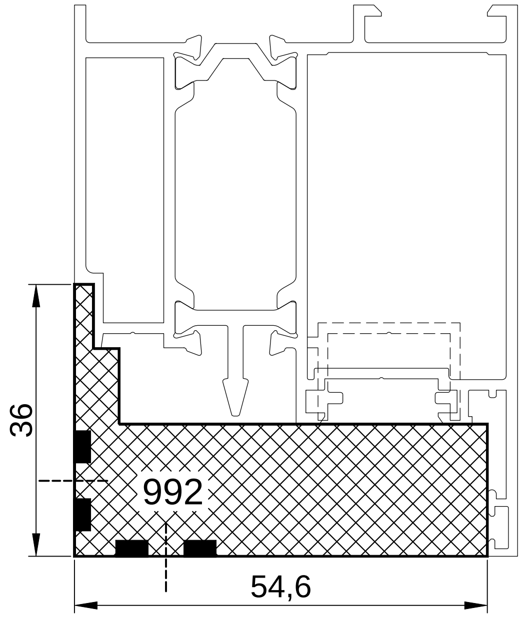
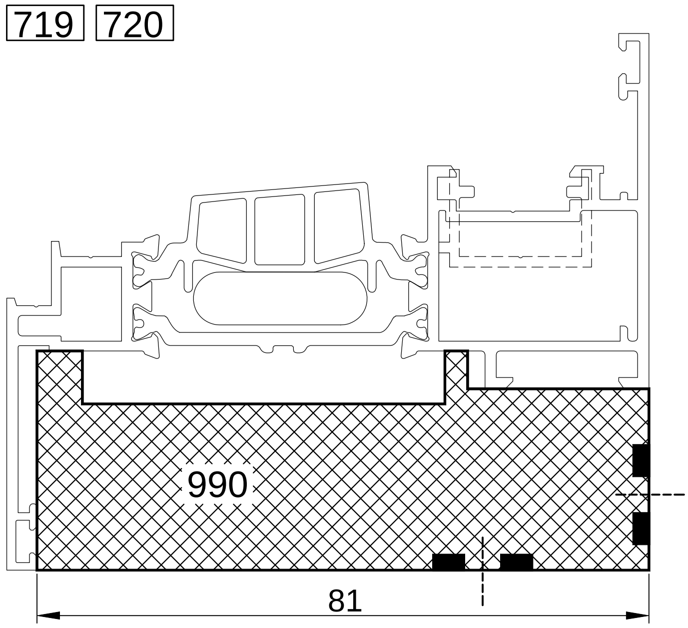
722 725



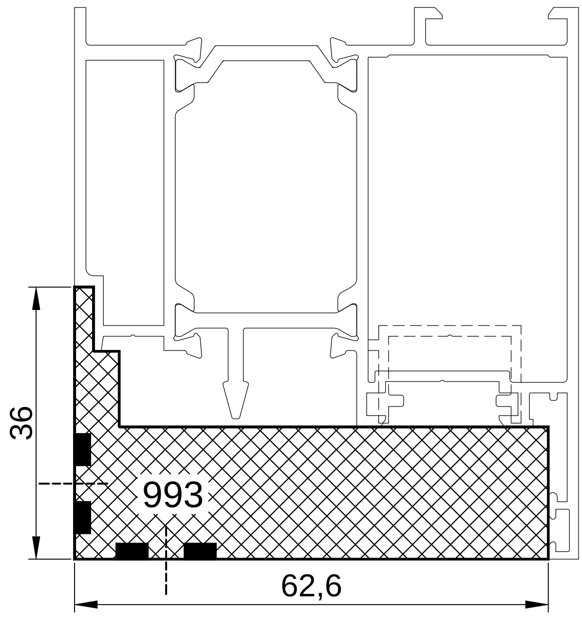
522 525



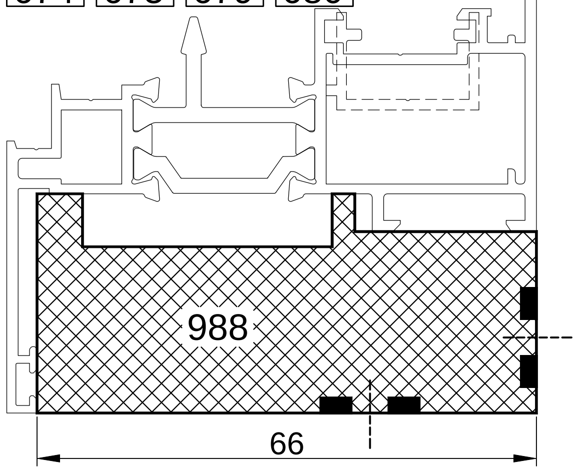
704 705 714 715
719 720

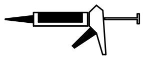
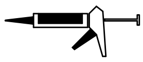
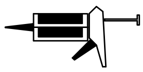
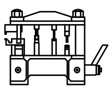
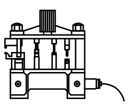


622 625 682 685



604 605 614 615
619 620 664 665
674 675 679 680



Simbol Symbol Симбол	Opis Description Описание	Proizvođač Manufacturer Производитель	Oznaka Mark Марк	Pak. Pack Упак.	Boja Color Цвет
	Lepak i zaptivna masa za alumijum Glue and sealent for aluminium Клей и герметик для алюминия	Reca	MS Polymer S78	310 ml	● ◍ ⊗ ○
		Würth	MS Polymer 089322	310 ml	
	Lepak za spojnice Corner joint glue Клей для углового соединения	3M	Scotch weld poliuretane multi purpose adhesive 5005	310 ml	● ◍ ⊗
	Dvokomponentni lepak Two-component glue Клей двухкомпонентный	Illbruck	Lepak Glue 332201 Клей	900 ml	○
		Illbruck	Mešač Mixer Glue 325123 Смеситель Клей	kom	
	Lepak za gumu Gasket glue Клей для прокладки	3M	RT3500B	20 g	●
		Würth	189309631	20 g	
	Lepak za drvo Glue for wood Клей для дерево	Würth	892100180	500 g	○
	Čistač Cleaner Средство для чистки	Reca	Arecal 0895410500	500 ml	
	Ručna presa Hand press Ручной пресс	Bisal	Lineal M1	1	
	Pneumatska presa Pneumatic press Пневматический пресс	Bisal	Lineal P1	1	

● Crno / Black / Черный
◍ Sivo / Gray / Серый
⊗ Belo / White / Белый
○ Transparentno / Transparent / Прозрачный

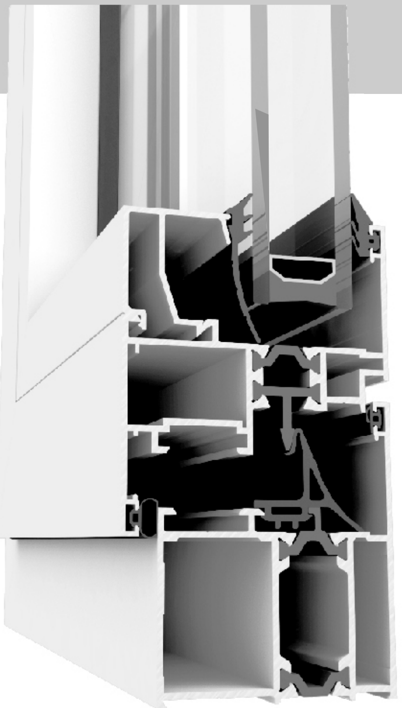
Sistem
System
Система

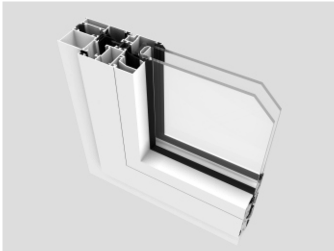
ST 54

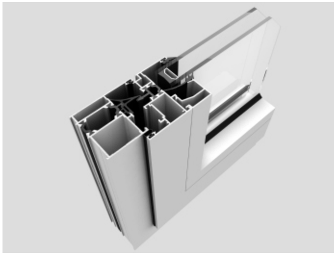
Sistem LINEAL ST 54

System LINEAL ST 54

Система LINEAL ST 54







Tehnički opis sistema

Sistem LINEAL ST 54 je jedan od šest iz serije LINEAL i predstavlja sistem aluminijumskih profila sa termičkim prekidom, specijalno projektovanih za izradu elemenata prozora i vrata sa ugradnom dubinom štoka od 54mm. Sistem je dizajniran tako da zadovoljava savremene zahteve na polju energetske efikasnosti, kao i ostale uslove nepohodne za bezbedan i udoban radni i životni prostor. Prilikom projektovanja elemenata sistema posebna pažnja je posvećena odabiru materijala koji vrše funkciju termičkog prekida u sklopu profila. Na ovaj način su postignute maksimalne sistemske termoizolacione karakteristike $Uf \approx 2{,}868 W/m^2K$, odnosno $Uw \approx 1{,}67 W/m^2K$.

- Aluminijumski profili su proizvedeni postupkom ekstruzije u pogonima Tehnomarket-a. Sirovina za proizvodnju profila je primarna legura aluminijuma oznake AlMgSi0,5 (AA6063 i 6060) i zateznom čvrstoćom profila od minimalno 210 KN/mm2.

- Poliamidne trake (PA 6,6 sa 25% staklenih vlakana) širine 16mm međusobno spajaju spoljašnje i unutrašnje aluminijumske delove u gotove profile, a pored funkcije mehaničkog spajanja, obezbeđuju i termički prekid. Garantovana sila smicanja spoljnog i unutrašnjeg aluminijumskog profila, povezanih poliamidnim trakama, se kontroliše u toku proizvodnje.

- Izolaciona svojstva sistema potvrđena su kroz rezultate ispitivanja toplotnih performansi. Takođe, ispitivanja su urađena i za otpornost na udare vetra, propuštanje vazduha i vode, kao i za zvučnu izolaciju.

- Sistem omogućava ugradnju standardnog okova u EURO 1 žljeb i okova za PVC u EURO 16mm žljeb.

- Sistem podržava ispune uključujući i staklo pakete od 8 do 45mm sa EPDM zaptivkama koje poseduju integrisanu barijeru protiv produvavanja.

- Zaptivanje u zoni spoja štoka i krila je trostruko, preko tri trajno elastične EPDM zaptivke otporne na UV zračenje. Spajanje uglova pomoću ekstrudiranih patent spojnica ili spojnica za presovanje obezbeđeno je zatezanjem u svim komorama profila, što garantuje siguran ugaoni spoj i preciznu geometriju gotovih elemenata.

- Kanalisanje kondenza i incidentne vode je regulisano preko slobodnih ravnih površina u komorama, dok je ventilisana spoljna komora duboka 20mm.

- Osnovna spoljašnja dimenzija štoka od 65mm omogućava idealan prihvat vođica roletne i komarnika. Unutrašnja širina štoka obezbeđuje idealan prostor za sabirnik trake roletne.

LINEAL ST 54

Technical description

System LINEAL ST 54 is one of six form LINEAL series and it represents aluminium profile system with thermal break, specially designed for manufacturing of windows and doors with frame depth of 54mm. System is designed to satisfy all contemporary demand for energy efficiency, as well as all other requirements for safe and comfortable living and working environment. Special attention was addressed to selection of materials that for the thermal break within the profile. This way, maximal isolation values of Uf≈2,868W/m²K, or Uw≈1,67W/m²K, were achieved.

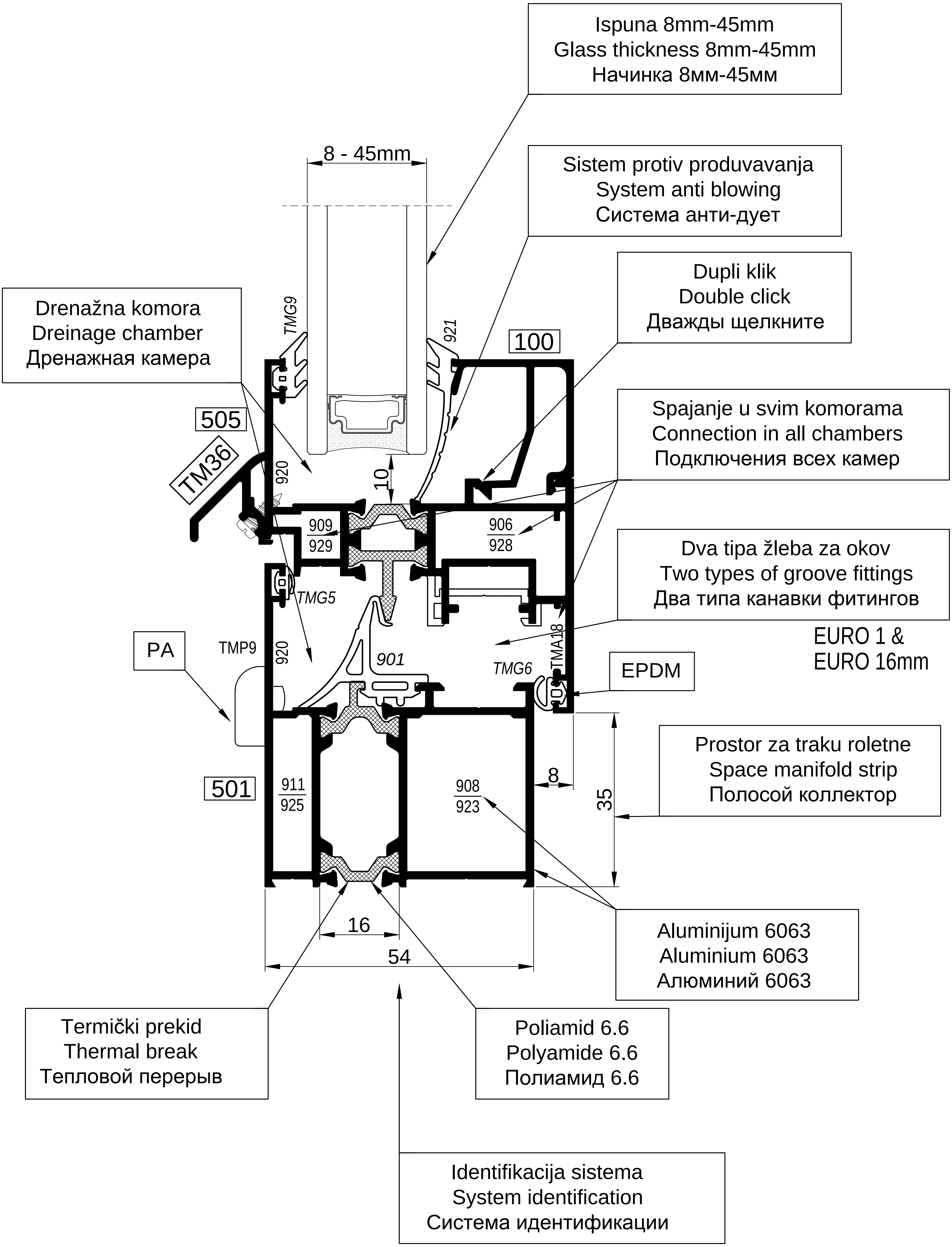
- Aluminium profiles were manufactured in Tehnomarket's own extrusion factory. The raw material used is primary aluminium alloy AlMgSi0.5 (AA 6063 and AA 6060) with minimum tensile strenghth of 210 KN/mm².
- 16mm wide Polyamide stripes (PA 6,6 with 25% glass fibers) connect inner and outer aluminium parts into finished profiles, and beside functioning as a mechanical bond they also provide a thermal break. Guaranteed shearing force for profiles connected with polyamide stripes is strictly controlled during production.
- Insulating performance of the complete system was confirmed through thermal performance testing. At the same time, wind load, air and water permeability and sound insulation were tested as well.
- System is compatible with both EURO 1 and EURO 16mm groove standards for hardware installation.
- System allows glass packages from 8 to 45mm with EPDM gaskets that feature integrated anti-blowing barrier.
- The triple sealing between frame and sash is achieved with three separate EPDM gaskets resistant to UV light.
- Corner joining with extruded patent or press clips is achieved through all profile chambers, thus guaranteeing secure and precise joints and finished element geometry.
- Drainage of condensed and incidental water is regulated via free flat surfaces in profile chambers, while ventilated outer chamber features optimal width of 20mm.
- Basic outer frame width of 65mm allows for an ideal mounting surface for optimal placement of mosquito net and roll-shutter's guides. Internal width of the frame provides an ideal space for tape coiler.

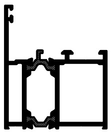
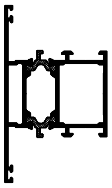
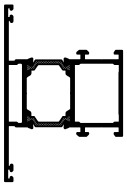
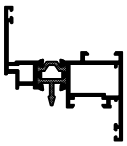
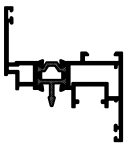
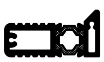
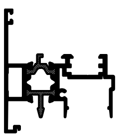
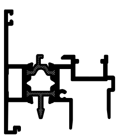
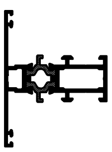
LINEAL ST 54

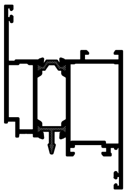
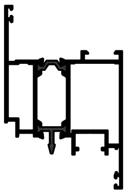
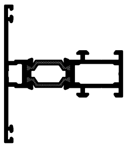
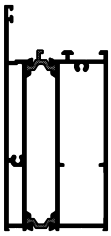
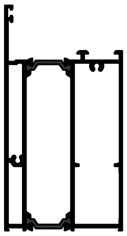
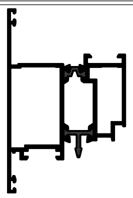
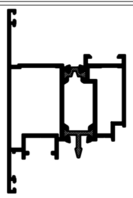
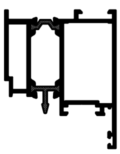
Техническое описание системы

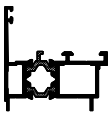
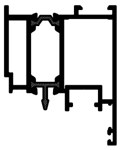
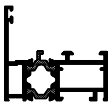
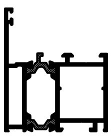
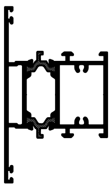
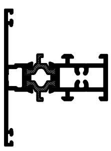
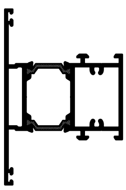
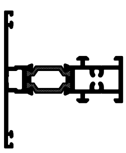
Система LINEAL ST 54 - одна из шести систем серии LINEAL и представляет систему алюминиевых профилей с термическим разрывом, специально разработанная для производства элементов окон и дверей с монтажной глубиной косяка от 54mm. Система разработана для удовлетворения современных требований в области энергоэффективности, как и другие необходимые условия для безопасного и комфортного рабочего и жилого пространства. При проектировании элементов системы, особое внимание было уделено выбору материалов, которые выполняют функцию теплового разрыва внутри профиля. Таким образом, достигнуты максимальные теплоизоляционные свойства Uf ≈ 2,868W/m²K, относительно Uw ≈1,67W/m²K.

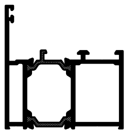
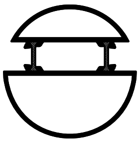
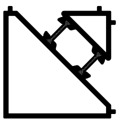
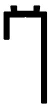
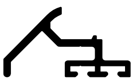
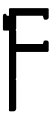
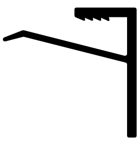
- Алюминиевые профили изготовлены способом экструзии в производственных цехах Техномаркета. Сырьем для производства профилей является первичный алюминиевый сплав с обозначением AlMgSi0,5 (AA6063 и 6060) и с минимальной прочностью на разрыв профиля 210 KN/mm².
- Полиамидные полоски (PA 6,6 с 25% стекловолокна) шириной 16mm, взаимосвязывают внешние и внутренние алюминиевые части в готовых профилях, а кроме функции механического соединения и обеспечивают и тепловой разрыв. Гарантированная сила сдвига внешнего и внутреннего алюминиевого профиля, которые связаны полиамидными полосками, контролируется в процессе производства.
- Изоляционные свойства системы потверждены результатами испытания тепловых характеристик. Кроме того, были проведены испытания устойчивости на удары ветра, пропуск воздуха и воды, как и звукоизоляции.
- Система позволяет установку стандартных оковок в EURO 1 желоб и оковок для PVC в EURO 16mm желоб.
- Система поддерживает и заполнения, включая и стеклопакеты от 8 до 45mm, с EPDM прокладками, которые имеют интегрированный барьер против выдувания.
- Уплотнение в зонах соединений косяка и створки - трехрядное, с тремя постоянно упругими прокладками EPDM, которые устойчивы к UV-излучению.
- Сцепление углов, с помощью экструдированных сцепных устройств или сцепных устройств для прессовки, обеспеченное затяжкой во всех камерах профиля, что обеспечивает недежное соединение углов и точную геометрию готовых элементов.
- Направление конденсации и случайных вод регулируется через свободные ровные поверхности в камерах, в то время как вентилируемая внешная камера имеет глубину 20mm.
- Основнай внешний размер косяка от 65mm позволяет идеальный прием направляющей жалюзи и противомоскитных сеток. Внутренняя ширина косяка обеспечивает идеальное место для коллектора полосок жалюзи.

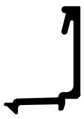
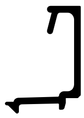
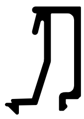
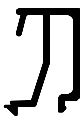
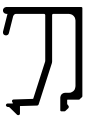
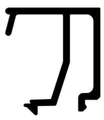
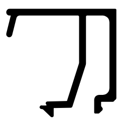
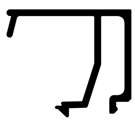
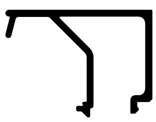

Ispuna 8mm-45mm
Glass thickness 8mm-45mm
Начинка 8мм-45мм
Sistem protiv produvavanja
System anti blowing
Система анти-дует
Dupli klik
Double click
Дважды щелкните
Drenažna komora
Dreinage chamber
Дренажная камера
Spajanje u svim komorama
Connection in all chambers
Подключения всех камер
Dva tipa žleba za okov
Two types of groove fittings
Два типа канавки фитингов
EURO 1 &
EURO 16mm
8 - 45mm
TMG9
921
100
505
TM36
920
10
909
929
906
928
TMG5
PA
TMP9
920
901
TMG6
TMA18
EPDM
Prostor za traku roletne
Space manifold strip
Полосой коллектор
501
911
925
908
923
8
35
16
54
Aluminijum 6063
Aluminium 6063
Алюминий 6063
Termički prekid
Thermal break
Тепловой перерыв
Poliamid 6.6
Polyamide 6.6
Полиамид 6.6
Identifikacija sistema
System identification
Система идентификации

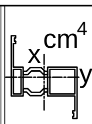
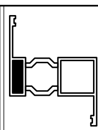
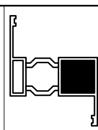
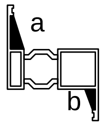
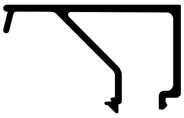
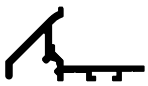
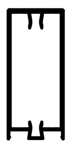
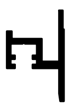
	Oznaka / Mark / Марк kg/m'	Opis / Description / Описание	Ix cm4 / Iy			a / a	b / b
	501	Štok Frame	16,0	911	908	920	-
	1,315	Рама	10,2	925	923	920	-
	502	Prečka u štoku T profile in frame	20,0	-	915	x2 934	-
	1,512	Т профиль в раме	18,7	-	905	x2 934	-
	503	Prečka u krilu T profile in casement	25,4	-	915	x2 934	-
	1,523	Т профиль в створки	18,7	-	905	x2 934	-
	504	Prozorsko krilo - EURO 1 Casement - EURO 1	21,6	909	907	920	TMA18
	1,219	Оконная створка - ЕУРО 1	4,0	929	926	920	TMA18
	505	Prozorsko krilo - EURO 16 Casement - EURO 16	21,2	909	906	920	TMA18
	1,229	Оконная створка - ЕУРО 16	3,8	929	928	920	TMA18
	508	Prag Threshold	9,7	-	-	-	-
	1,026	Порог	1,3	-	-	-	-
	509	Veza dvokrilnog prozora - EURO 1 French casement adaptor - EURO 1	13,4	-	-	-	-
	1,162	Соединительный проф. двойног окна - ЕУРО 1	6,0	-	-	-	-
	510	Veza dvokrilnog prozora - EURO 16 French casement adaptor -EURO 16	13,1	-	-	-	-
	1,164	Соединительный проф. двойног окна - ЕУРО 16	6,3	-	-	-	-
	513	Prečka u štoku T profile in frame	13,0	-	922	x2 934	-
	1,104	Т профиль в рамке	6,7	-	905	x2 934	-

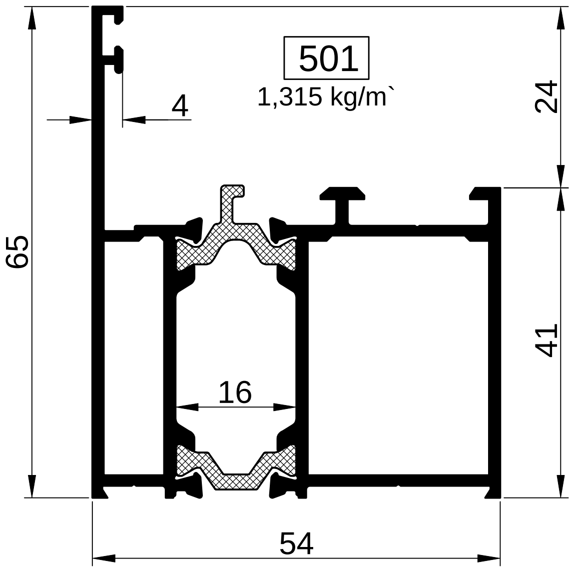
	Oznaka Mark Марк / kg/m`	Opis Description Описание	cm⁴ Ix / Iy			a	b
	514	Krilo vrata - otvaranjem unutra - EURO 1 Door leaf - open in - EURO 1 Крыло двери, открывающиеся внутрь - ЕУРО1	35,5	939	940	920	TMA18
	1,679		15,0	930	932	920	TMA18
	515	Krilo vrata - otvaranjem unutra - EURO 16 Door leaf - open in - EURO 16 Крыло двери, открывающиеся внутрь - ЕУРО16	35,3	939	941	920	TMA18
	1,651		14,6	930	931	920	TMA18
	516	Prečka u krilu T profile in casement Препятствие в створки	18,5	-	922	934 x2	-
	1,115		6,65	-	905	934 x2	-
	517	Parapetni profil u štoku / Veliki štok Parapet profile in frame / Large frame Парапет профиль в рамке / Большой рам	27,5	911	908	934	-
	2,277		83,5	925	923	934	-
	617	Parapetni profil u krilu Parapet profile in casement Парапет профиль в створки	38,9	-	915	934	-
	2,315		83,6	-	905	934	-
	519	Krilo vrata - otvaranjem spolja - EURO 1 Door leaf - open out - EURO 1 Крыло двери, открывающиеся наружу - ЕУРО1	22,6	939	940	920	TMA18
	1,632		27,3	930	932	920	TMA18
	520	Krilo vrata - otvaranjem spolja - EURO 16 Door leaf - open out - EURO 16 Крыло двери, открывающиеся наружу -ЕУРО16	27,2	941	939	920	TMA18
	1,643		22,2	931	930	920	TMA18
	522	Krilo vrata - otvaranjem unutra - EURO 1 Door leaf - open in - EURO 1 Крыло двери, открывающиеся внутрь - ЕУРО1	25,1	945	940	920	TMA18
	1,544		14,0	930	932	920	TMA18

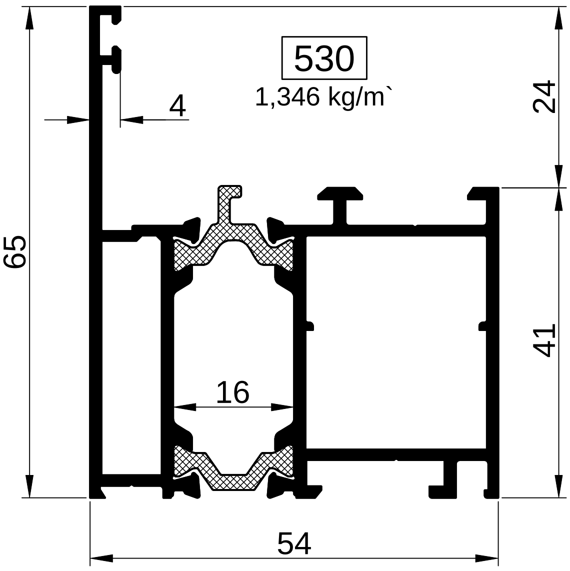
	Oznaka Mark Марк	Opis Description Описание	cm^4 x y			a b	
			Ix			a	b
	kg/m'		Iy			a	b
	523	Prag Threshold	5,2	-	-	-	-
	0,744	Порог	0,4	-	-	-	-
	524	Reducir smera okretanja vrata Reducing the direction of the door	11.6	913	943	920	-
	1,060	Снижение направление двери	4,4	927	944	920	-
	525	Krilo vrata -otvaranjem unutra - EURO 16 Door leaf - open in - EURO 16	25,0	945	941	-	TMA18
	1,516	Крыло двери, открывающиеся внутрь - ЕУРО16		930	931	-	TMA18
	528	Štok Frame	13,4	943	906	920	-
	1,122	Рама	4,2	944	928	920	-
	530	Štok Frame	17,7	911	907	920	-
	1,346	Рама	10,3	925	926	920	-
	531	Prečka u štoku T profile in frame	19,3	-	-	x2 934	-
	1,565	T профиль в раме	20,0	-	-	x2 934	-
	532	Prečka u štoku T profile in frame	13,7	-	-	x2 934	-
	1,159	T профиль в раме	6,7	-	-	x2 934	-
	533	Prečka u krilu T profile in casement	27,4	-	-	x2 934	-
	1,576	T профиль в створки	20,0	-	-	x2 934	-
	534	Prečka u krilu T profile in casement	19,5	-	-	x2 934	-
	1,170	T профиль в створки	6,7	-	-	x2 934	-

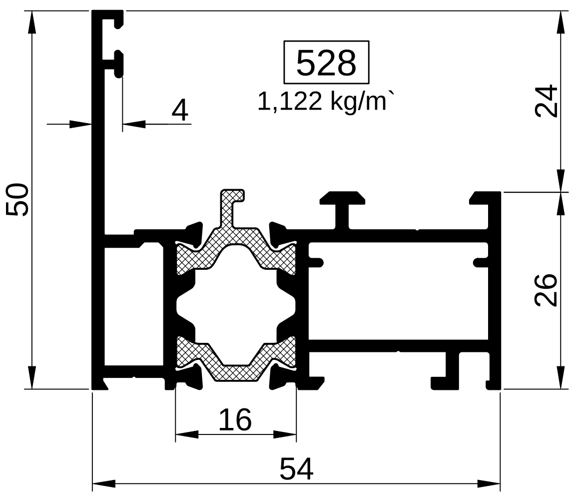
	Oznaka Mark Марк kg/m'	Opis Description Описание	cm^4 Ix Iy			a a	b b
	535 1,540	Prag Threshold Порог	- -	- -	- -	- -	- -
	601 1,353	Parapetni profil u krilu Parapet profile in casement Парапет профиль в створки	21,8 10,6	- -	995 905	934 934	- -
	TMT15 1,570	Ugaoni profil Angle connector Угловой профиль	22,6 21,4	- -	- -	- -	- -
	TMT27 1,532	Ugaoni profil - 90° Angle connector - 90° Угловой профиль - 90º	20,9 19,4	- -	- -	- -	- -
	110 0.133	Opšivni profil Casing profile Обшивка	- -	- -	- -	- -	- -
	119 0,071	Pokopac praga Cover threshold Порог обложки	- -	- -	- -	- -	- -
	120 0,281	Slivnik i nosač četkice Waterdrip Капельник	- -	- -	- -	- -	- -
	126 0.193	Profil za spoj Profile for the connection Профиль для связи	- -	- -	- -	- -	- -
	V05 0,389	Opšivni profil Casing profile Обшивка	- -	- -	- -	- -	- -

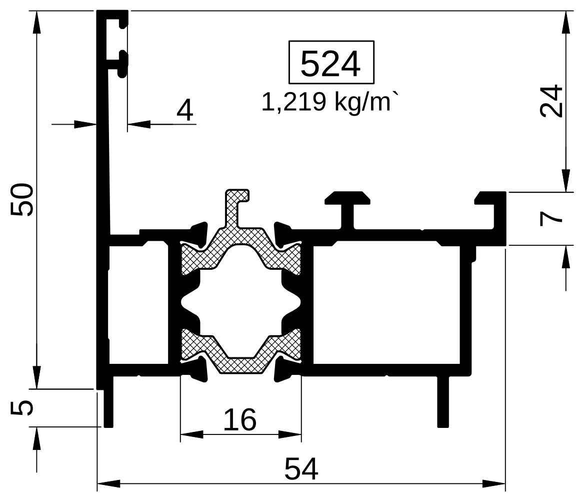
	Oznaka Mark Марк kg/m'	Opis Description Описание	cm⁴ Ix Iy			a a	b b
	124	Držač stakla - 4,5mm Glazing bead - 4,5mm	-	-	-	-	-
	0,200	Подстаканник - 4,5мм	-	-	-	-	-
	123	Držač stakla - 8,5mm Glazing bead - 8,5mm	-	-	-	-	-
	0,211	Подстаканник - 8,5мм	-	-	-	-	-
	122	Držač stakla - 12,5mm Glazing bead - 12,5mm	-	-	-	-	-
	0,296	Подстаканник - 12,5мм	-	-	-	-	-
	106	Držač stakla - 16,5mm Glazing bead - 16,5mm	-	-	-	-	-
	0,302	Подстаканник - 16,5mm	-	-	-	-	-
	116	Držač stakla - 20,5mm Glazing bead - 20,5mm	-	-	-	-	-
	0,320	Подстаканник - 20,5mm	-	-	-	-	-
	100	Držač stakla - 24,5mm Glazing bead - 24,5mm	-	-	-	-	-
	0,330	Подстаканник - 24,5mm	-	-	-	-	-
	117	Držač stakla - 28,5mm Glazing bead - 28,5mm	-	-	-	-	-
	0,348	Подстаканник - 28,5mm	-	-	-	-	-
	101	Držač stakla - 32,5mm Glazing bead - 32,5mm	-	-	-	-	-
	0,359	Подстаканник - 32,5mm	-	-	-	-	-
	108	Držač stakla - 38,5mm Glazing bead - 38,5mm	-	-	-	-	-
	0,393	Подстаканник - 38,5mm	-	-	-	-	-

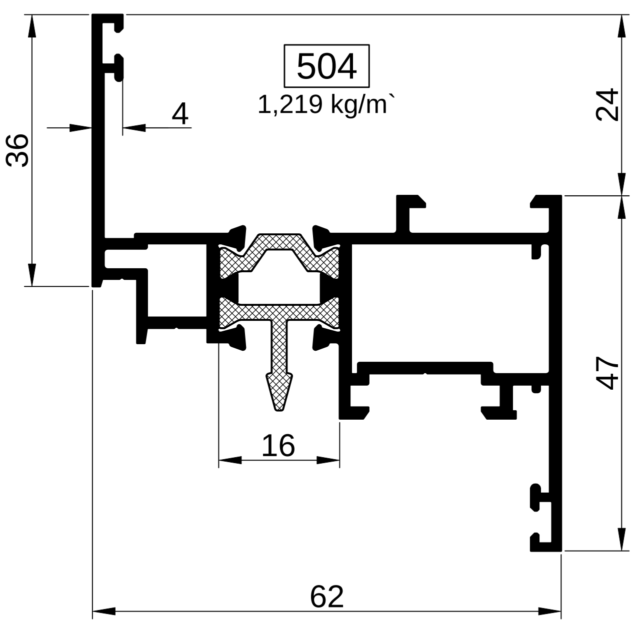
	Oznaka Mark Марк kg/m'	Opis Description Описание	 cm4 Ix Iy			 a a	b b
	107 0,447	Držač stakla - 46,5mm Glazing bead - 46,5mm Подстаканник - 46,5mm	- -	- -	- -	- -	- -
	TM33 0,152	Pogonska letva Mechanism rod Стержень для механизма	- -	- -	- -	- -	- -
	TM36 0,177	Slivnik Waterdrip Капельник	- -	- -	- -	- -	- -
	TM42 0,272	Slivnik i nosač četkice Waterdrip and brush holder Капельник и держатель щетки	- -	- -	- -	- -	- -
	TM43 0,130	Nosač četkice Brush holder Держатель щетки	- -	- -	- -	- -	- -
	TM67 0,303	Nosač solbanka The carrier of window sills Подоконники носителей	- -	- -	- -	- -	- -
	TM80 0,947	Modularni stub Modular mullion Модульный колонка	19,9 5,1	- -	- -	- -	- -
	TM81 0,103	Pokopac za TM80 Cover for TM80 Порог для TM80	- -	- -	- -	- -	- -
	129 0,198	Nosač četkice Brush holder Держатель щетки	- -	- -	- -	- -	- -

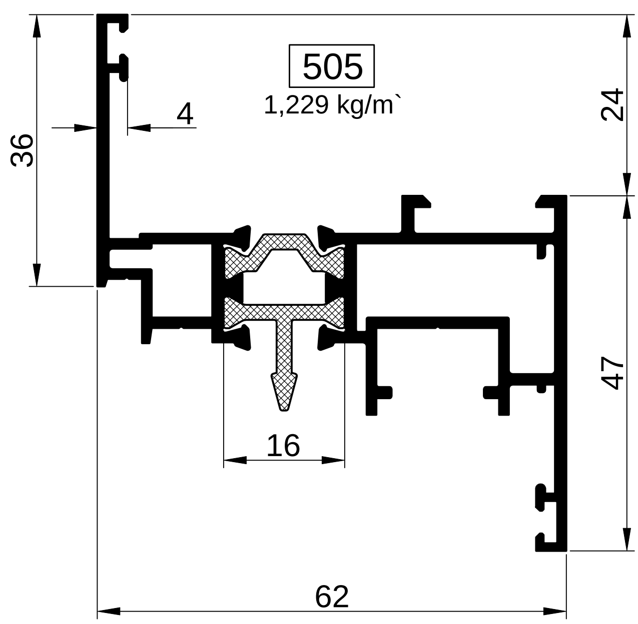

501
1,315 kg/m`
4
24
65
41
16
54

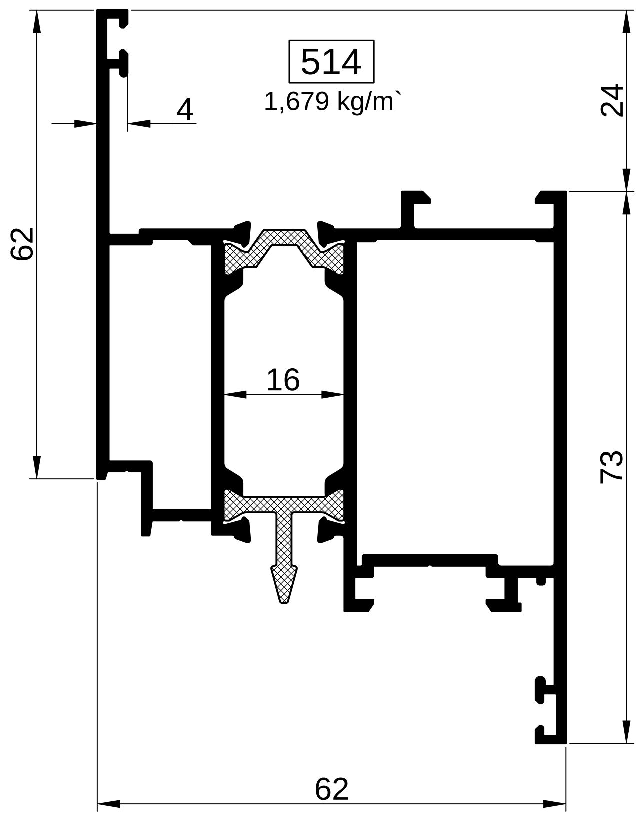

530
1,346 kg/m`
4
24
65
41
16
54

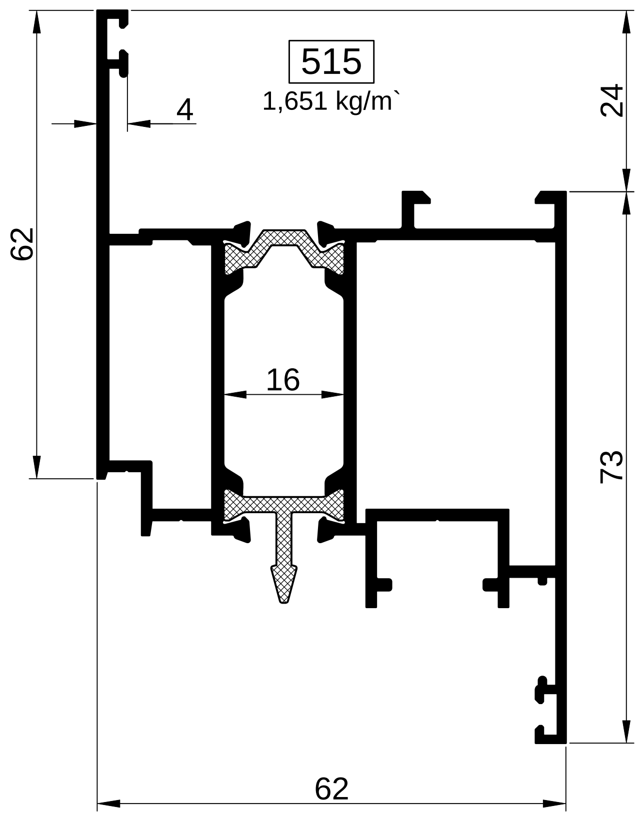

528
1,122 kg/m`
4
24
50
26
16
54

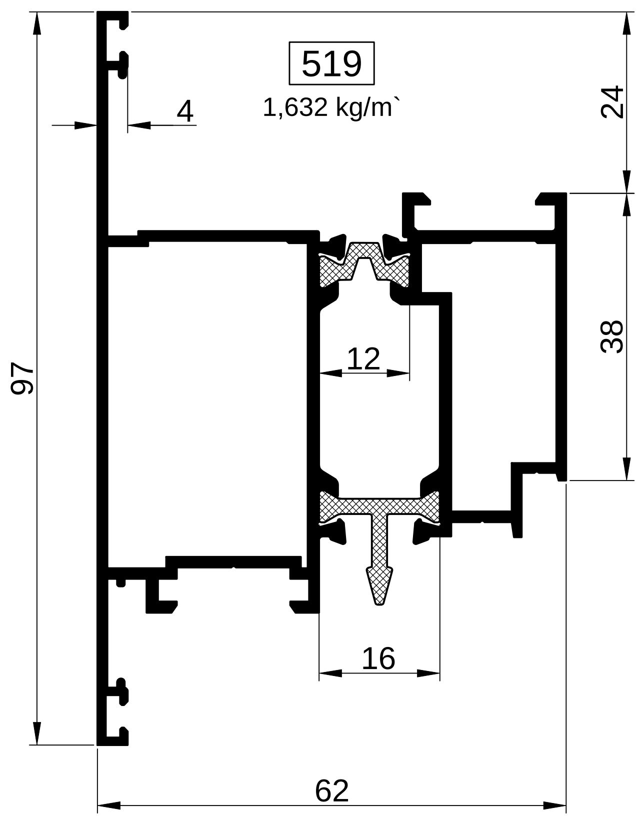

524
1,219 kg/m`
4
24
50
7
5
16
54

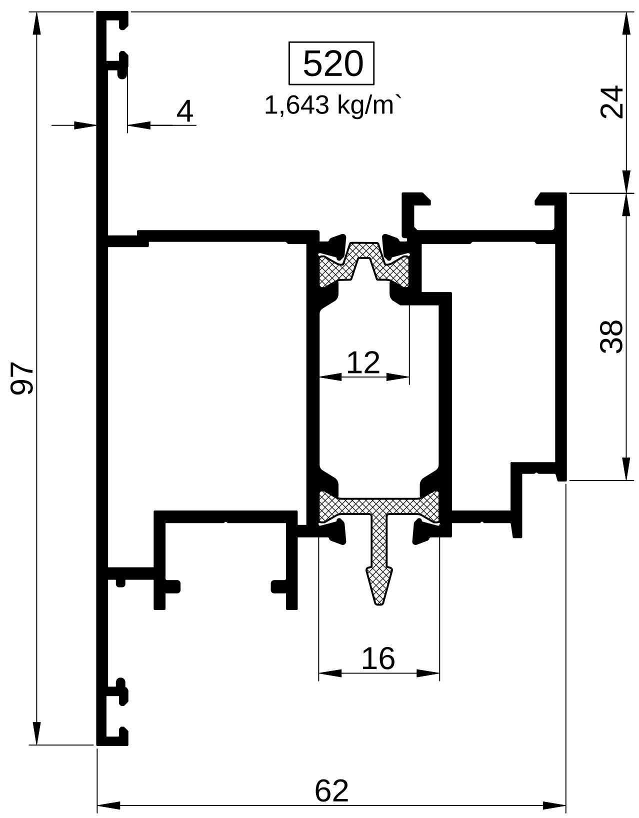

504
1,219 kg/m`
4
24
36
47
16
62

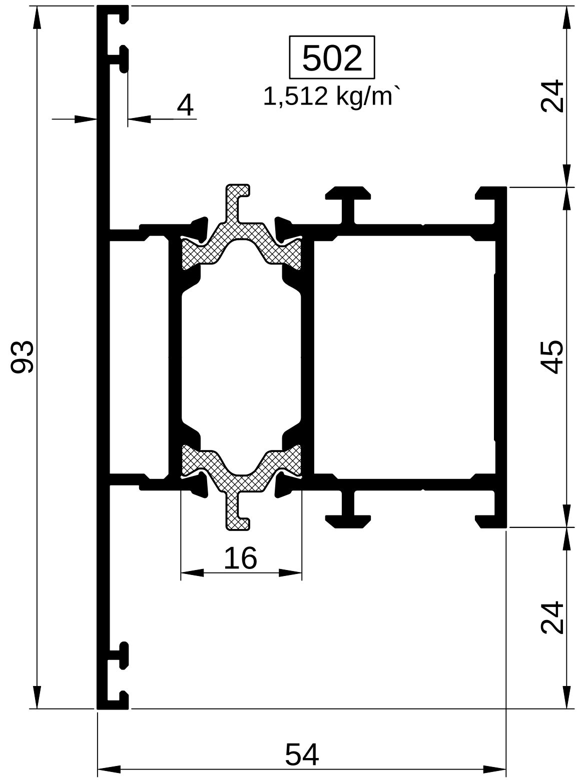

505
1,229 kg/m`
4
24
36
47
16
62

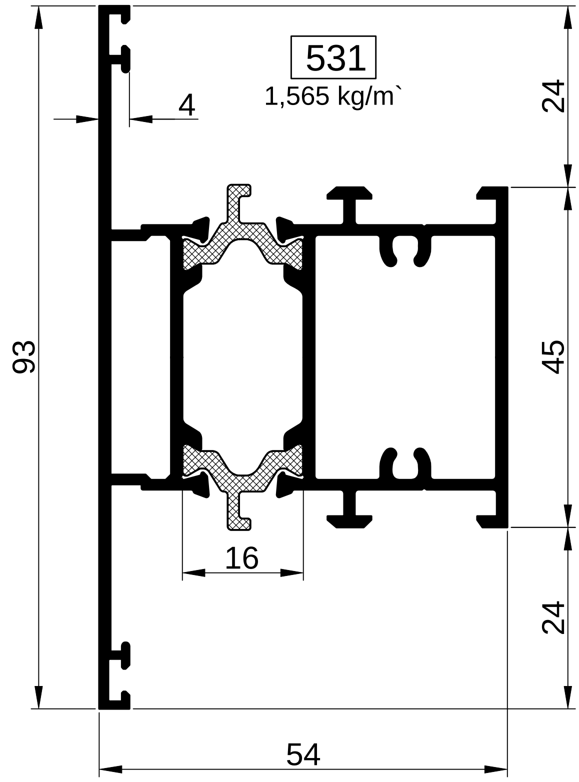

514
1,679 kg/m`
4
24
62
16
73
62

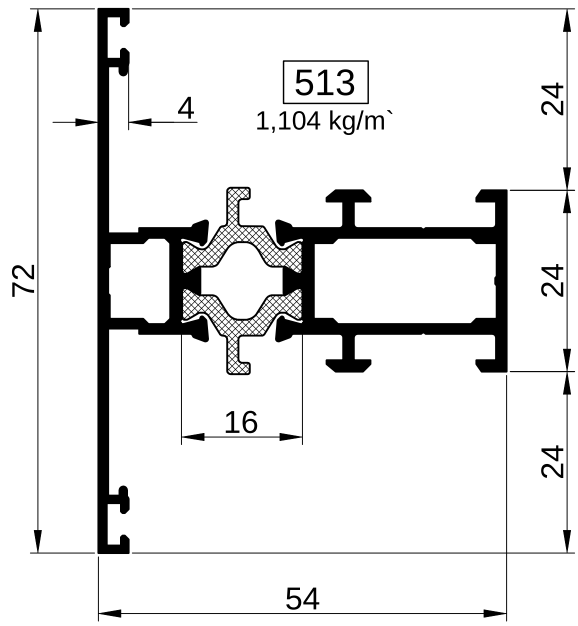

515
1,651 kg/m`
4
24
62
16
73
62

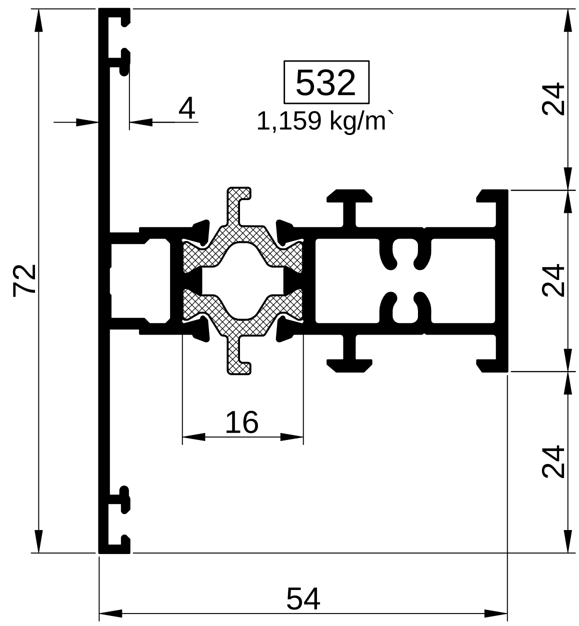

519
1,632 kg/m`
4
24
97
12
38
16
62

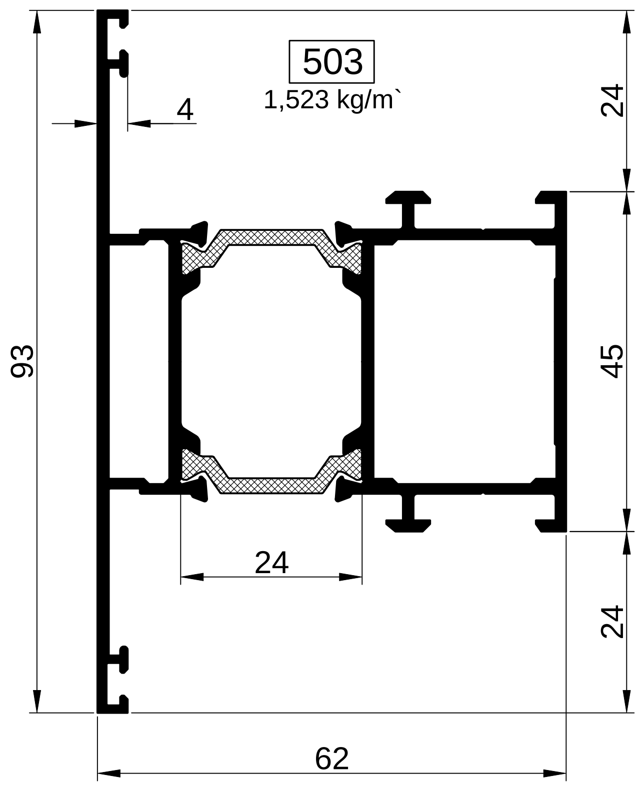

520
1,643 kg/m`
4
24
97
12
38
16
62

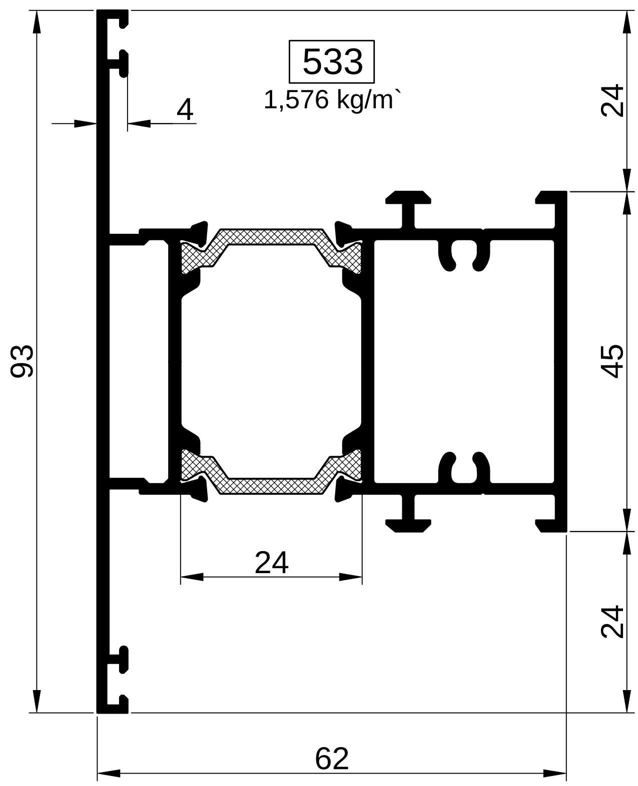

502
1,512 kg/m`
4
24
45
24
93
16
54

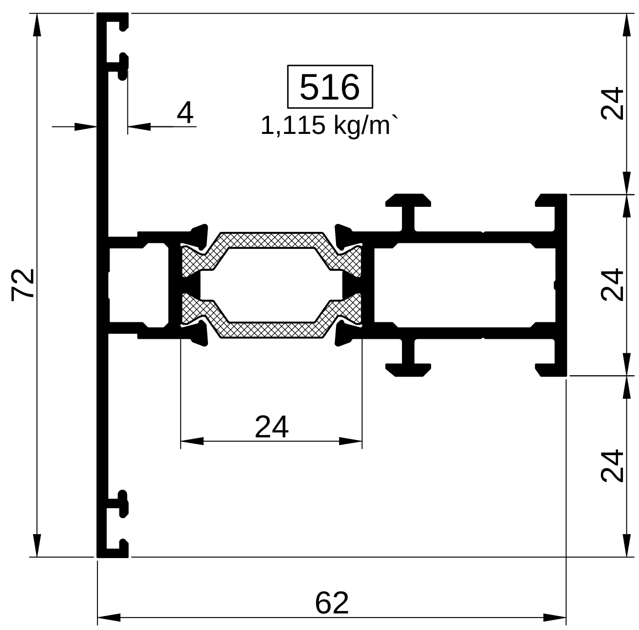

531
1,565 kg/m`
4
24
45
24
93
16
54

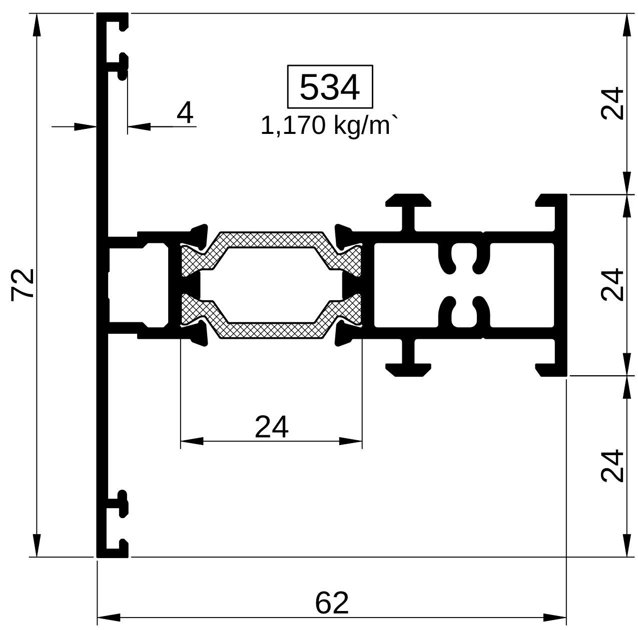

513
1,104 kg/m`
4
24
24
24
72
16
54

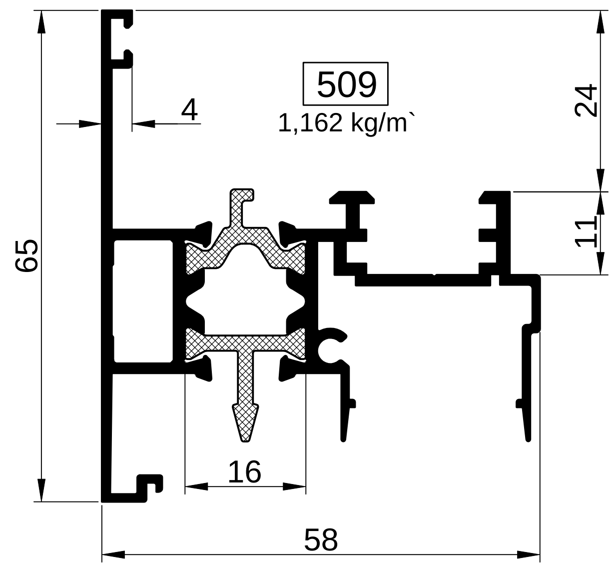

532
1,159 kg/m`
4
24
24
24
72
16
54

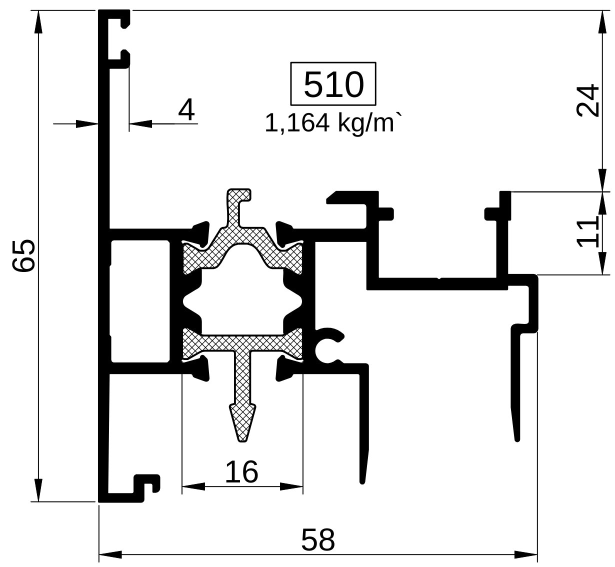

503
1,523 kg/m`
4
24
45
24
93
24
62

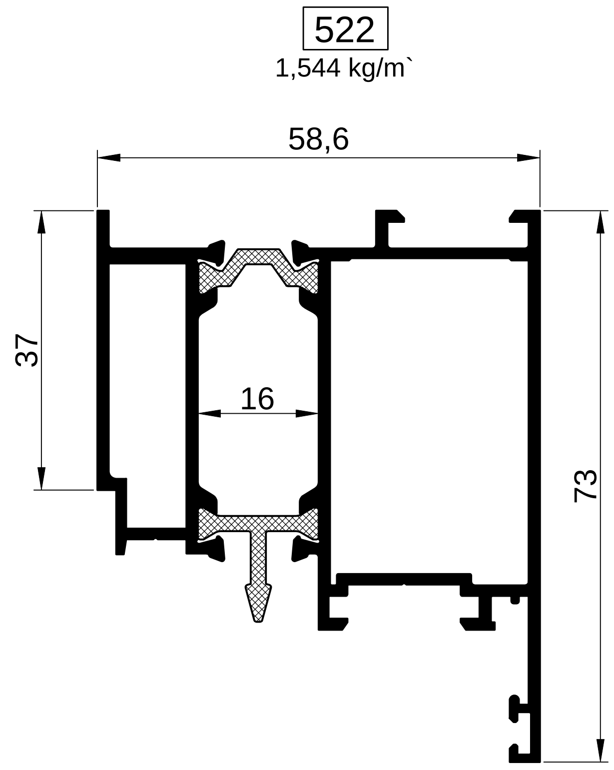

533
1,576 kg/m`
4
24
45
24
93
24
62

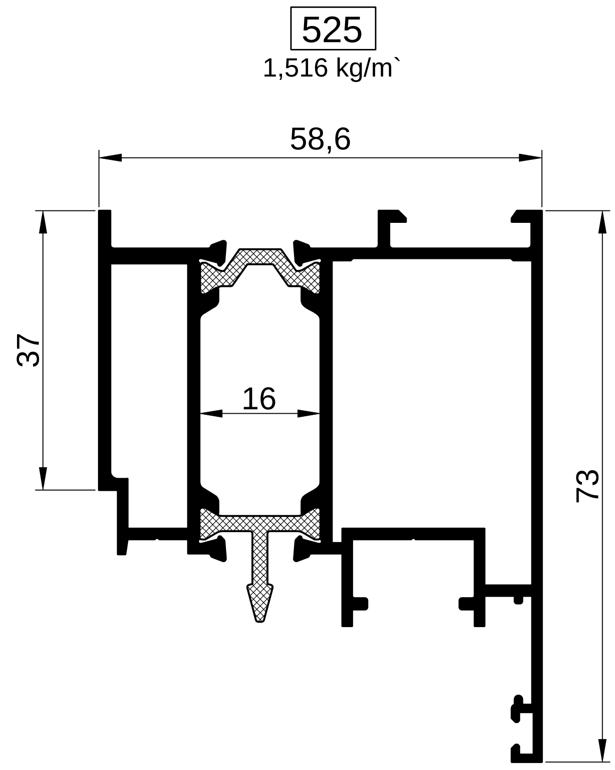

516
1,115 kg/m`
4
24
24
24
72
24
62

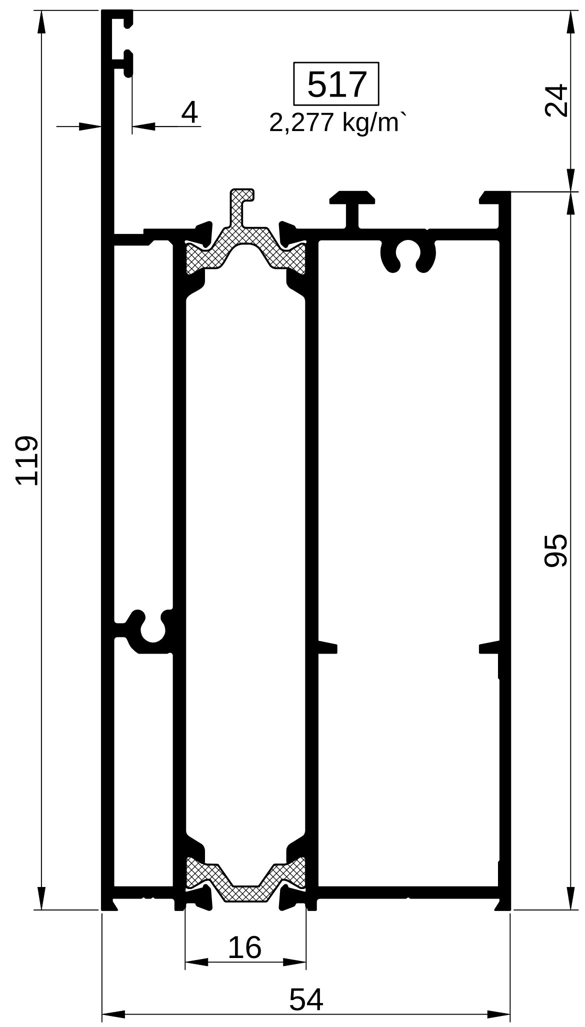

534
1,170 kg/m`
4
24
24
24
72
24
62

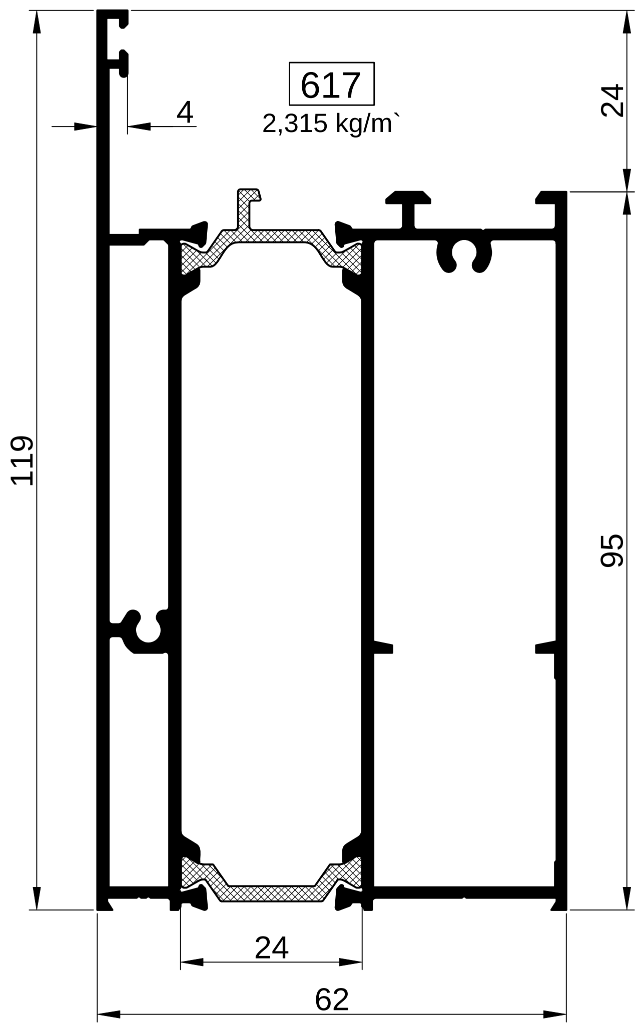

509
1,162 kg/m`
4
24
11
65
16
58

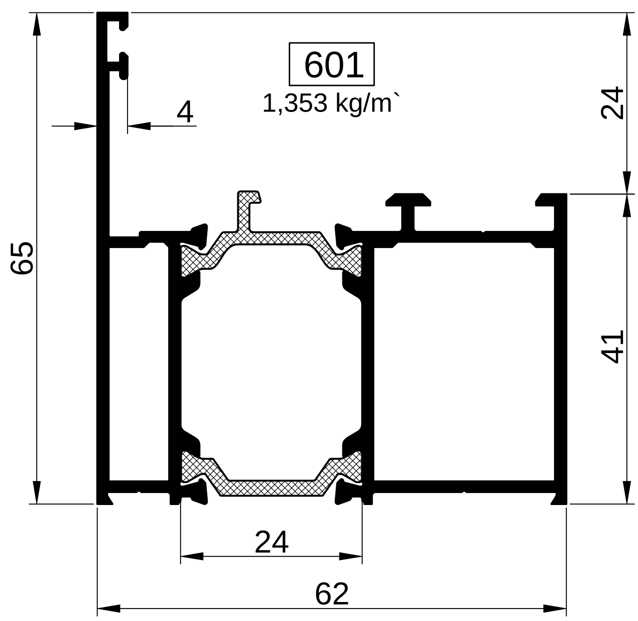

510
1,164 kg/m`
4
24
11
65
16
58


522
1,544 kg/m`
58,6
37
16
73

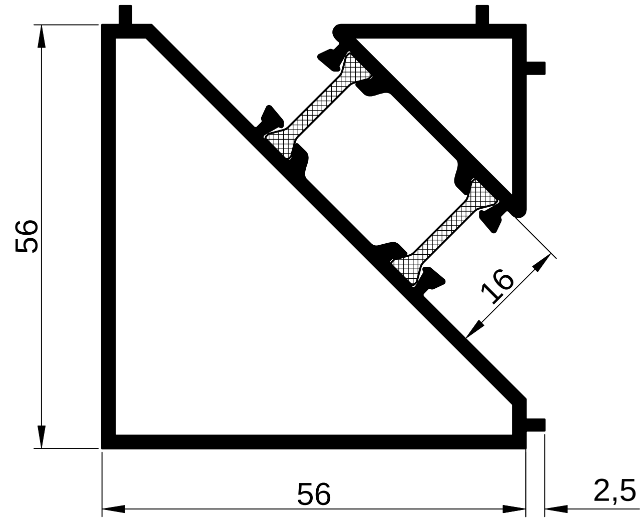

525
1,516 kg/m`
58,6
37
16
73


517
2,277 kg/m`
4
24
119
95
16
54

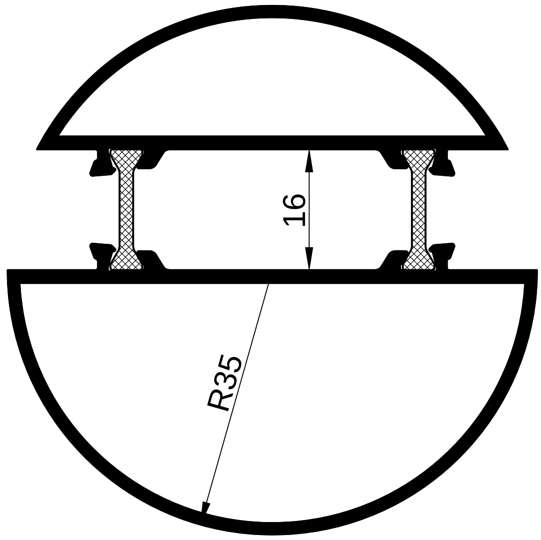

617
2,315 kg/m`
4
24
119
95
24
62


601
1,353 kg/m`
4
24
65
41
24
62

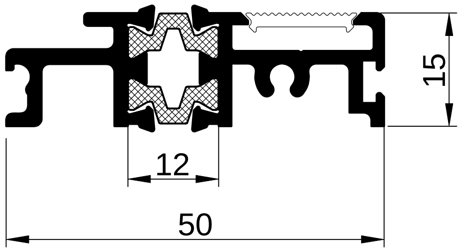
TMT27
1,532 kg/m'



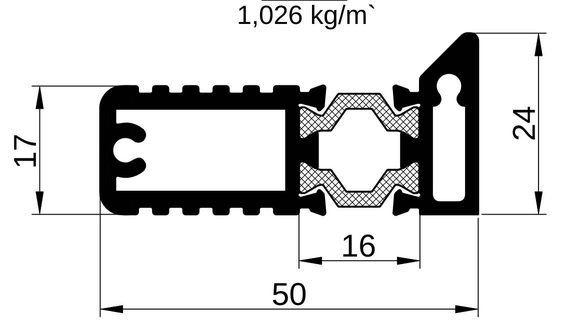
TMT15
1,570 kg/m'



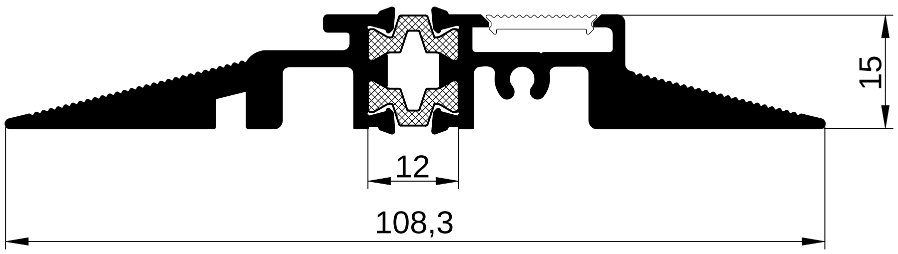
523
0,744 kg/m`

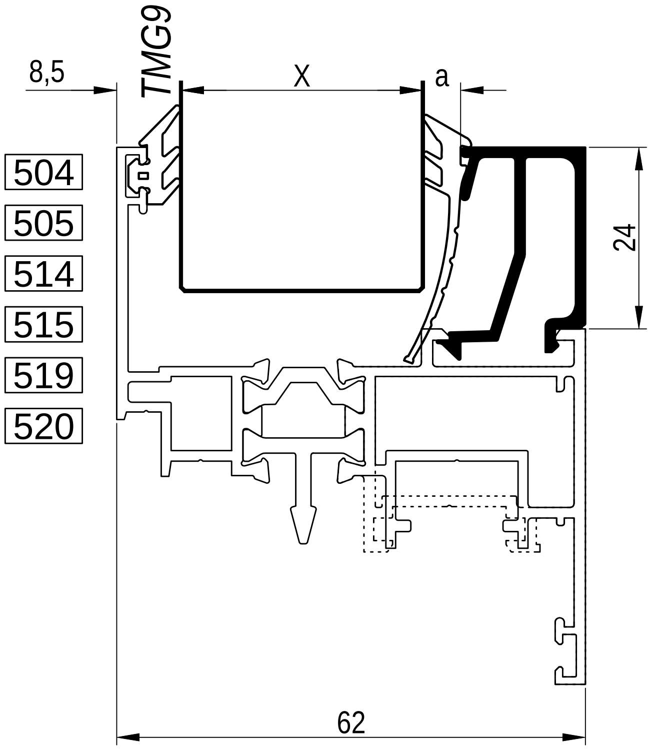


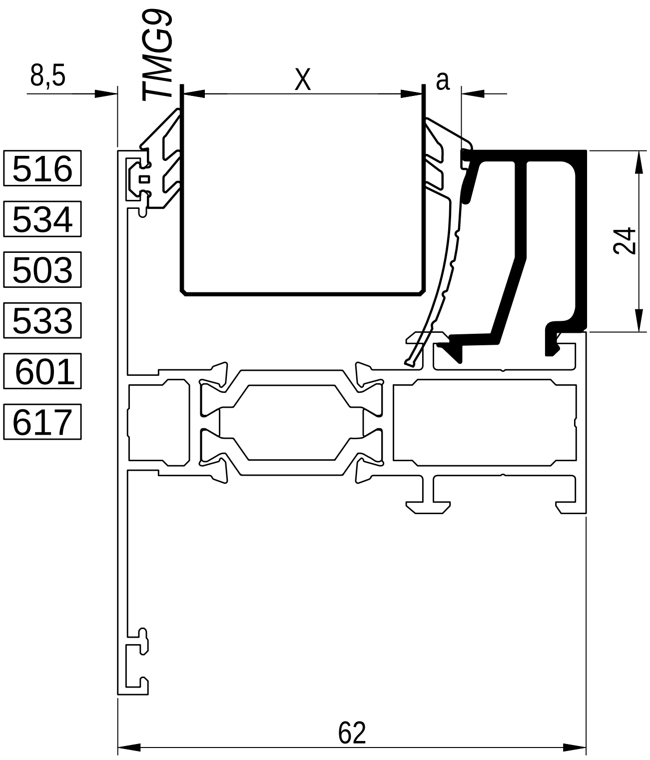
508
1,026 kg/m`

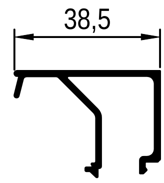
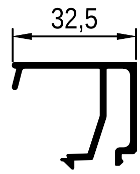
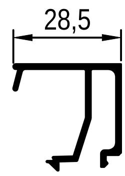
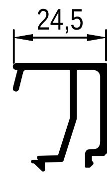
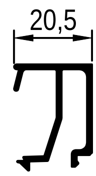
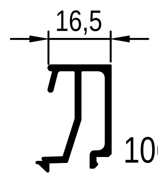
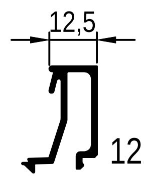
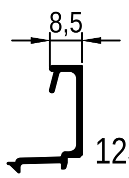
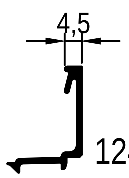


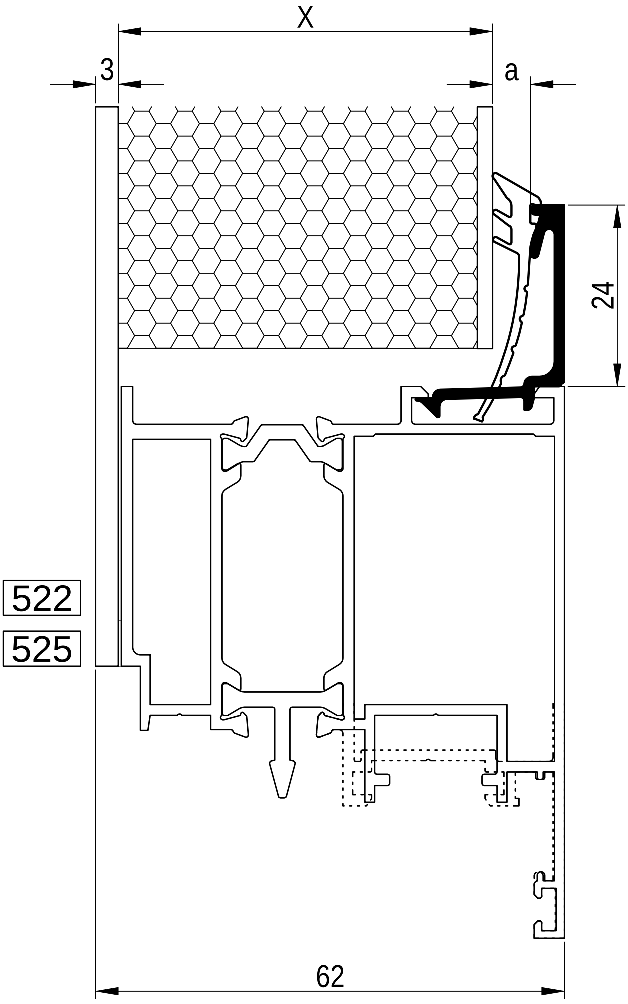
535
1,540 kg/m`

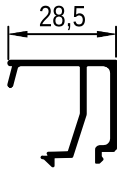
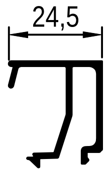
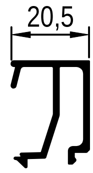
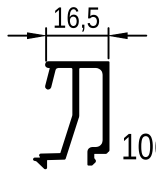
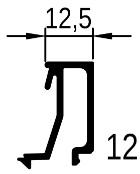
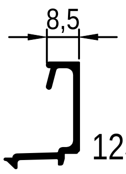
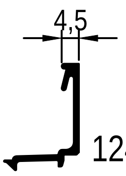


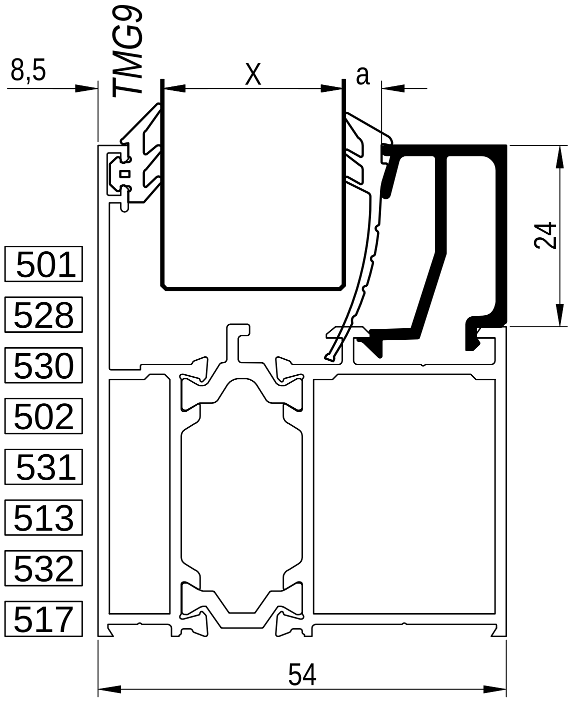


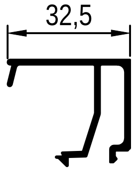
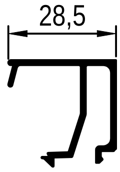
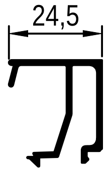
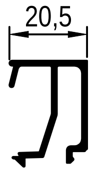
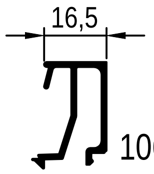
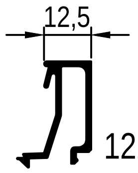
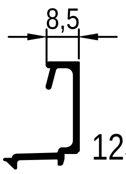
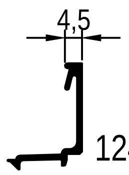


Debljina Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
8 - 9	938	7 - 6	 38,5 108
10 -11	921	5 - 4	
14 - 15	938	7 - 6	 32,5 101
16 -17	921	5 - 4	
18 - 19	938	7 - 6	 28,5 117
20 - 21	921	5 - 4	
22 - 23	938	7 - 6	 24,5 100
24 - 25	921	5 - 4	
26 - 27	938	7 - 6	 20,5 116
28 - 29	921	5 - 4	
30 - 31	938	7 - 6	 16,5 106
32 - 33	921	5 - 4	
34 - 35	938	7 - 6	 12,5 122
36 - 37	921	5 - 4	
38 - 39	938	7 - 6	 8,5 123
40 - 41	921	5 - 4	
42 - 43	938	7 - 6	 4,5 124
44 - 45	921	5 - 4	



Debljina Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
23.5	938	7	 28,5 117
25.5	921	5	
27.5	938	7	 24,5 100
29.5	921	5	
31.5	938	7	 20,5 116
33.5	921	5	
35.5	938	7	 16,5 106
37.5	921	5	
39.5	938	7	 12,5 122
41.5	921	5	
43.5	938	7	 8,5 123
45.5	921	5	
47.5	938	7	 4,5 124
49.5	921	5	



Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
8 - 9	921	5 - 4	 32,5 101
10 -11	938	7 - 6	 28,5 117
14 - 15	938	7 - 6	 24,5 100
16 -17	921	5 - 4	
18 - 19	938	7 - 6	 20,5 116
20 - 21	921	5 - 4	
22 - 23	938	7 - 6	 16,5 106
24 - 25	921	5 - 4	
26 - 27	938	7 - 6	 12,5 122
28 - 29	921	5 - 4	
30 - 31	938	7 - 6	 8,5 123
32 - 33	921	5 - 4	
34 - 35	938	7 - 6	 4,5 124
36 - 37	921	5 - 4	

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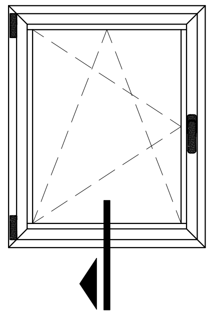

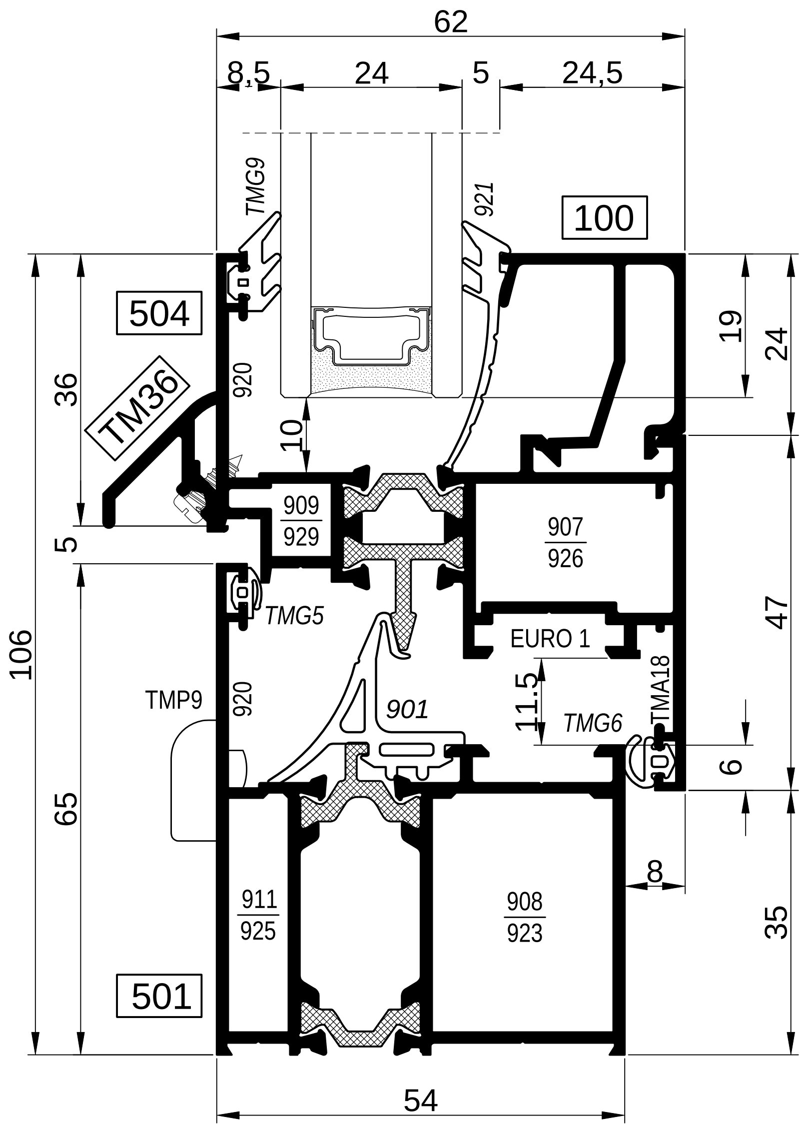
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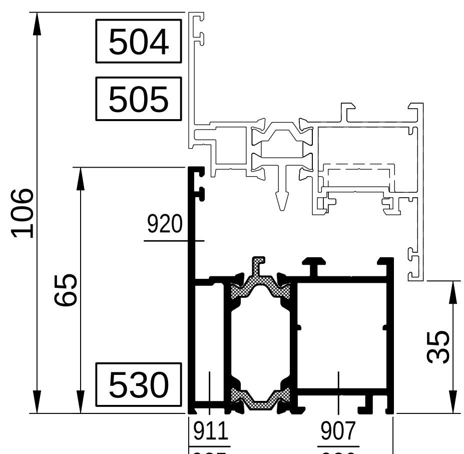
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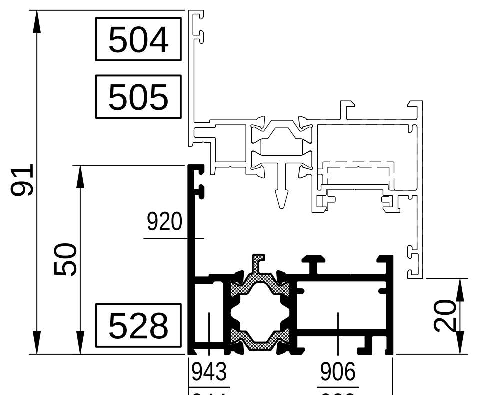
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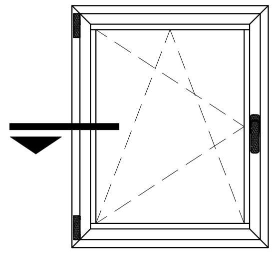

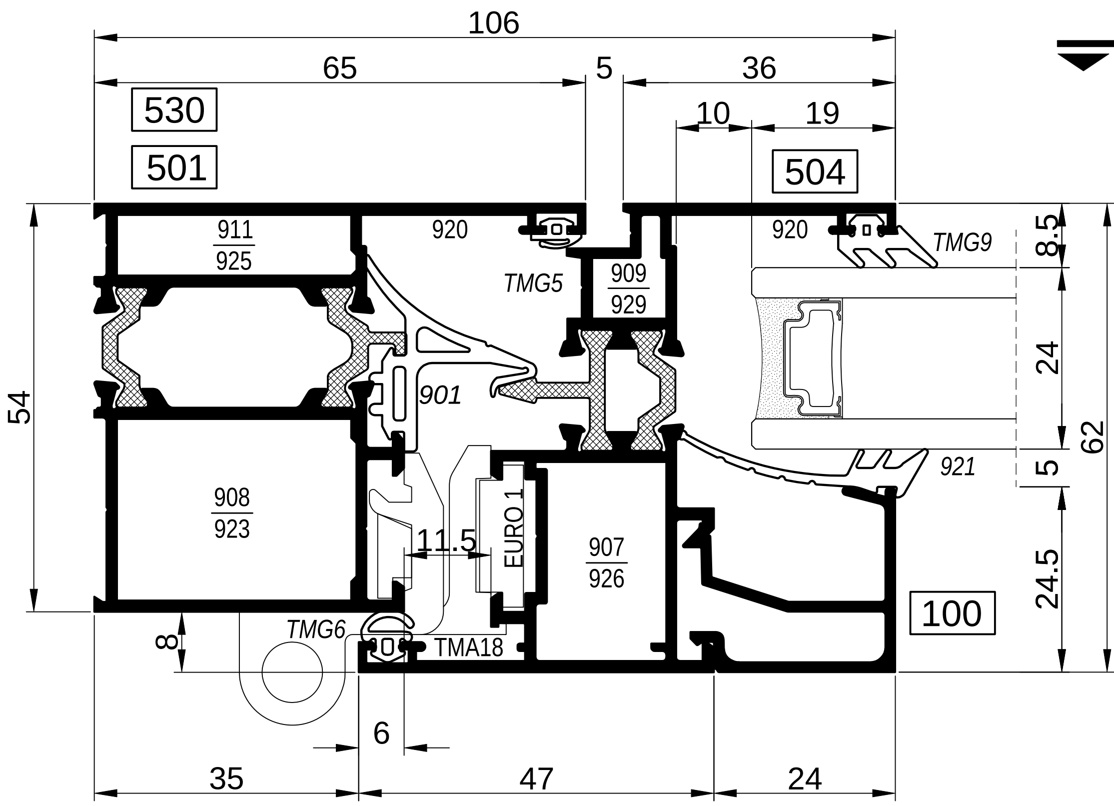
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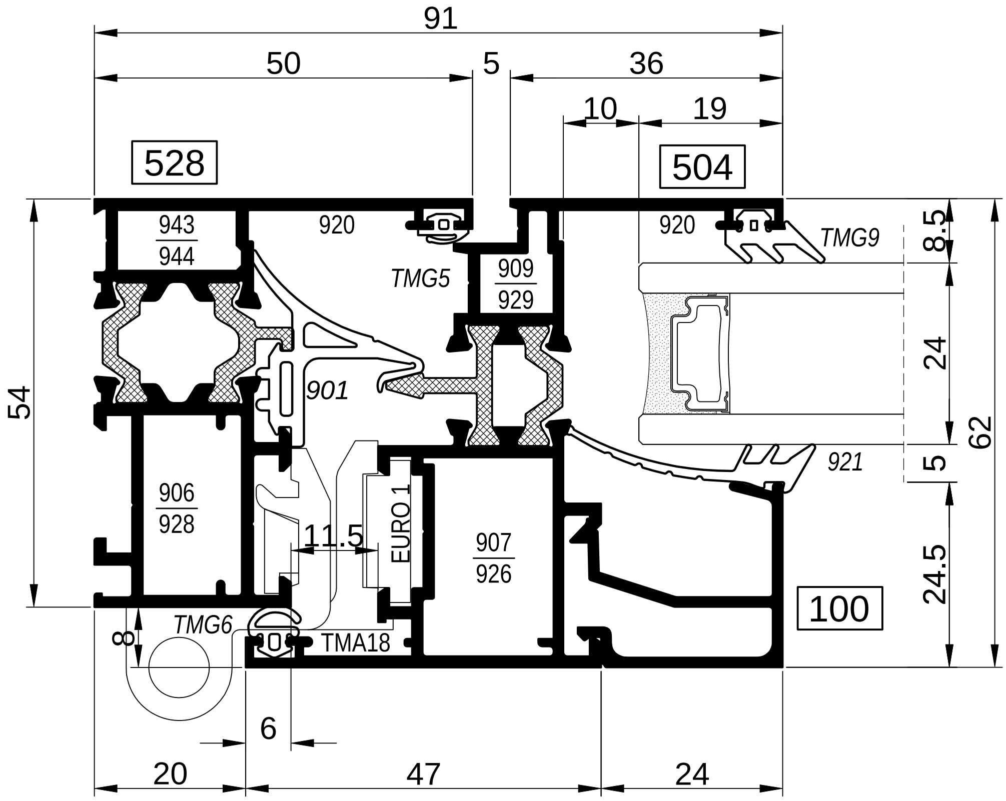
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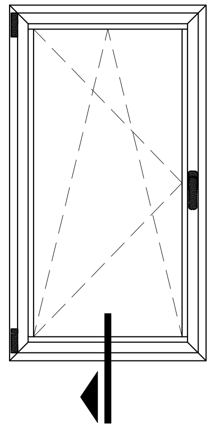

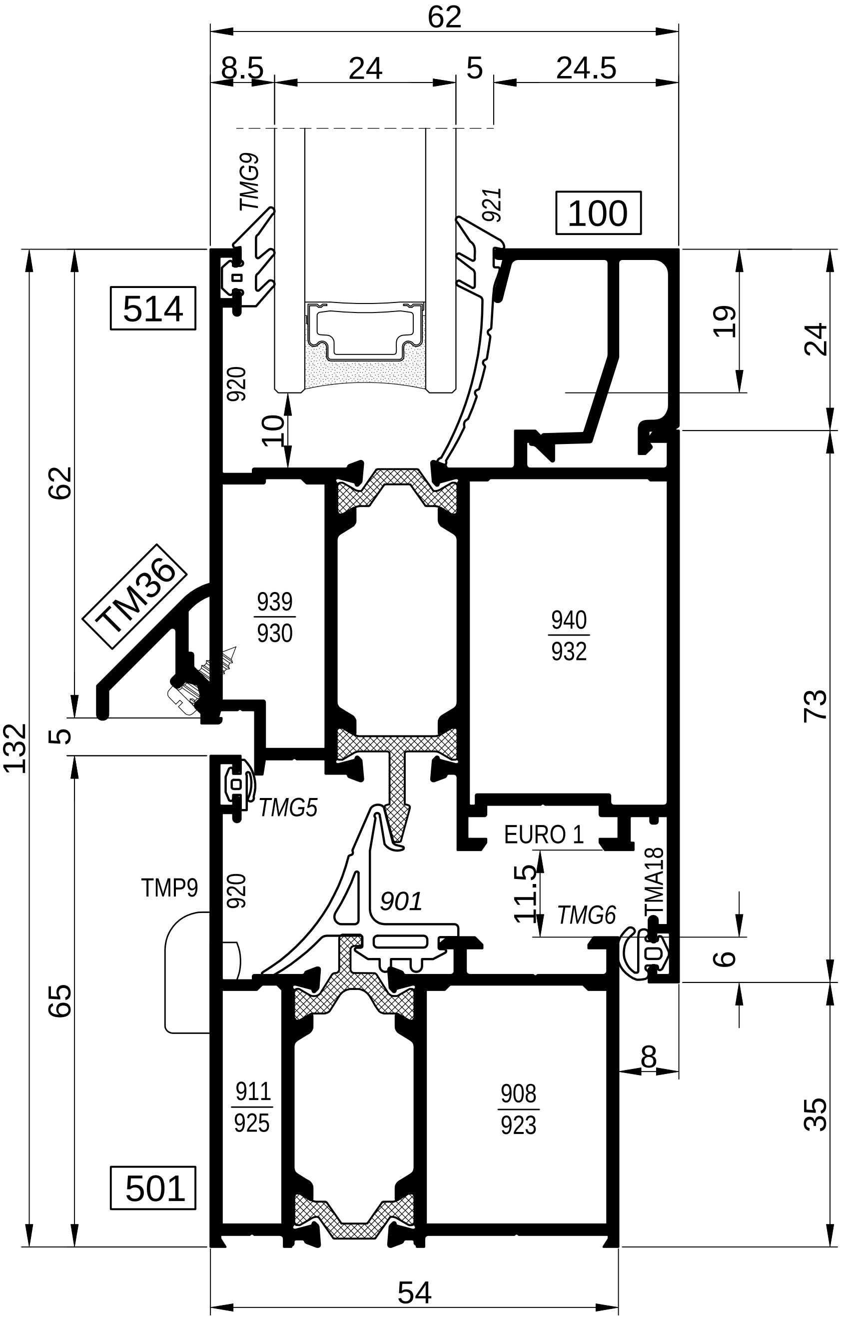
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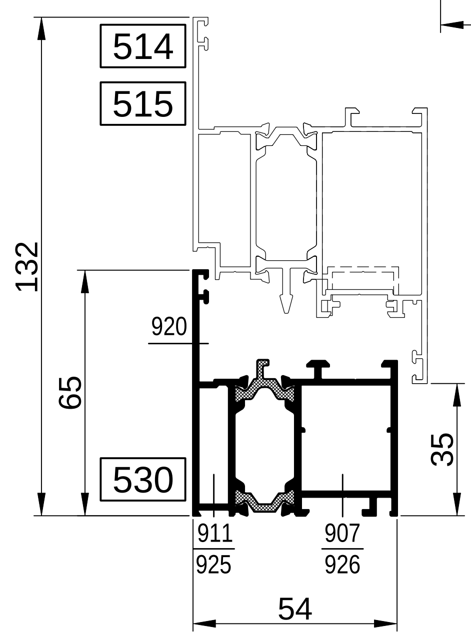
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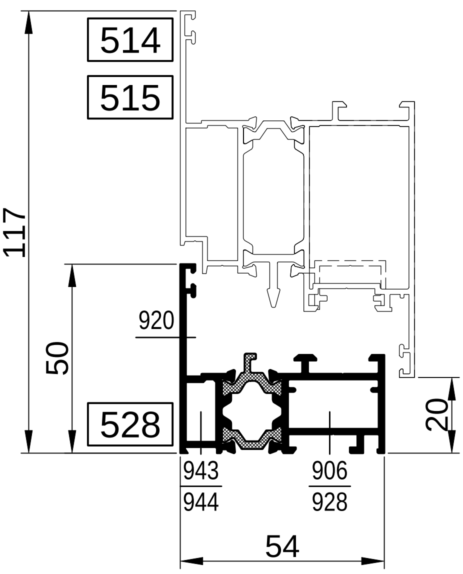
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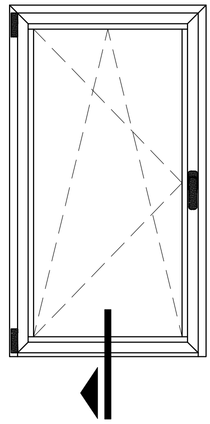

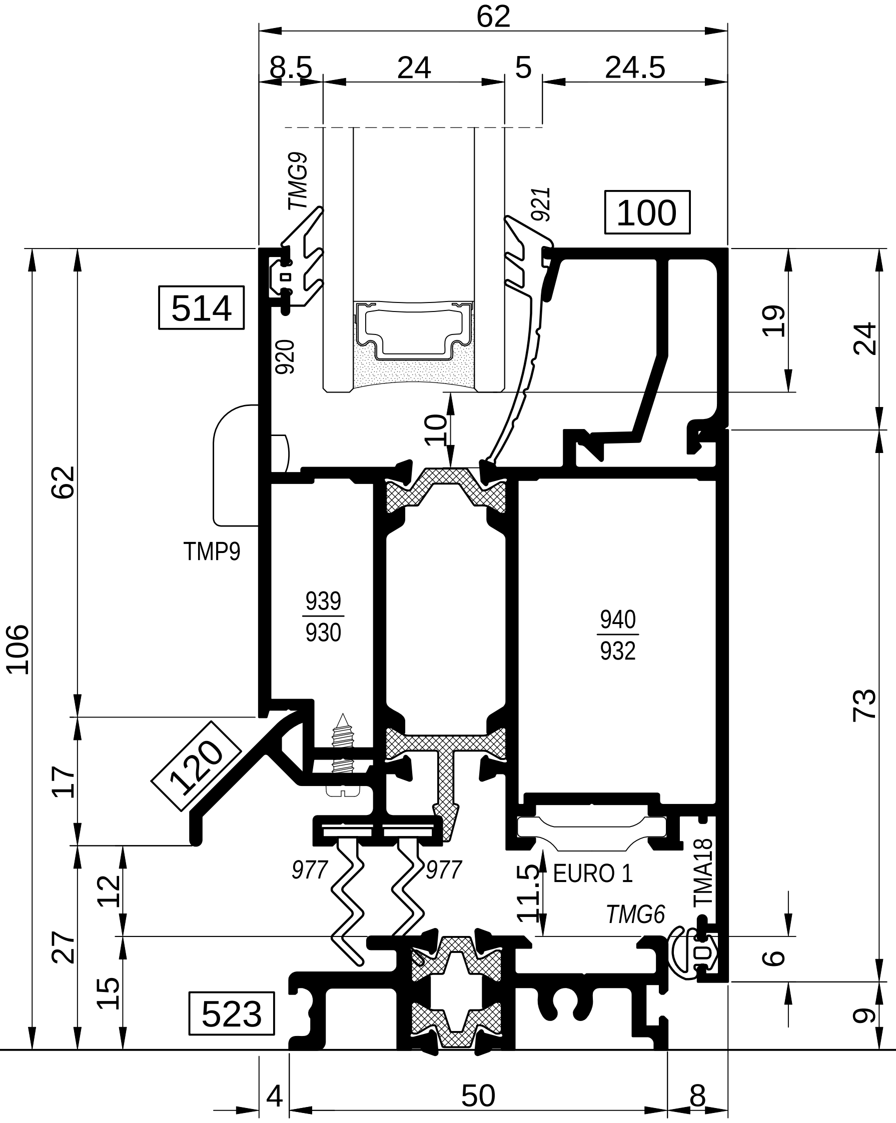
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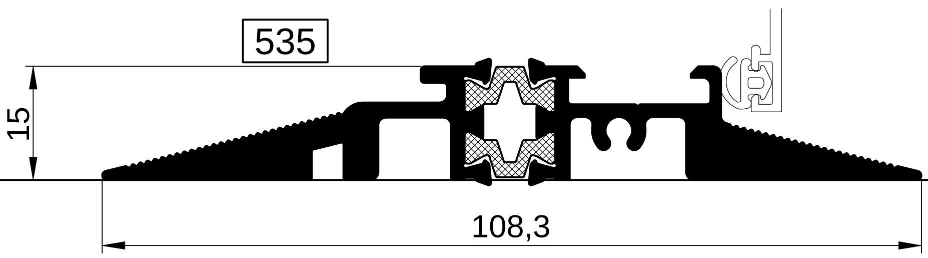
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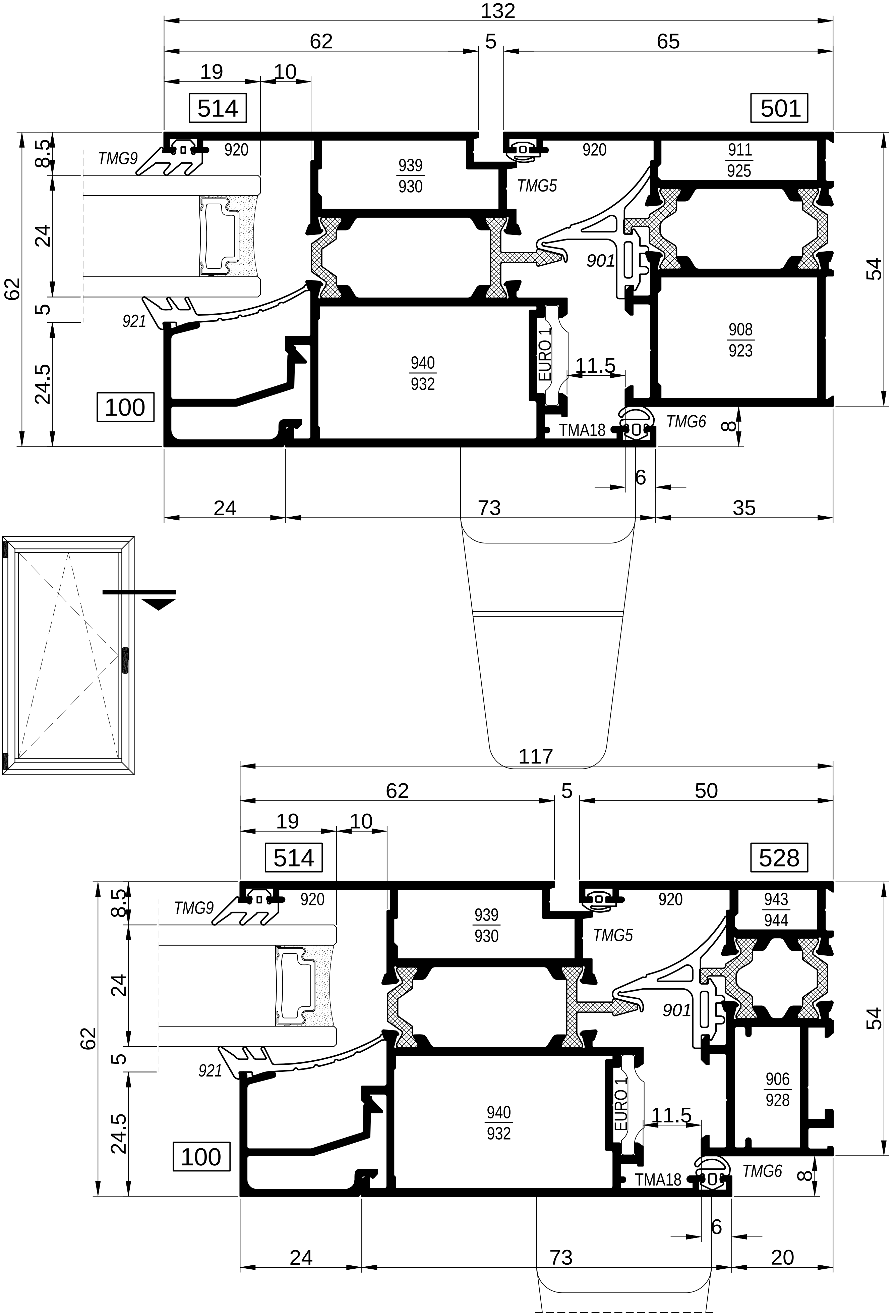
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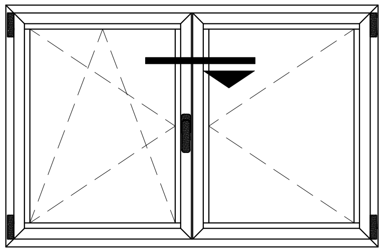

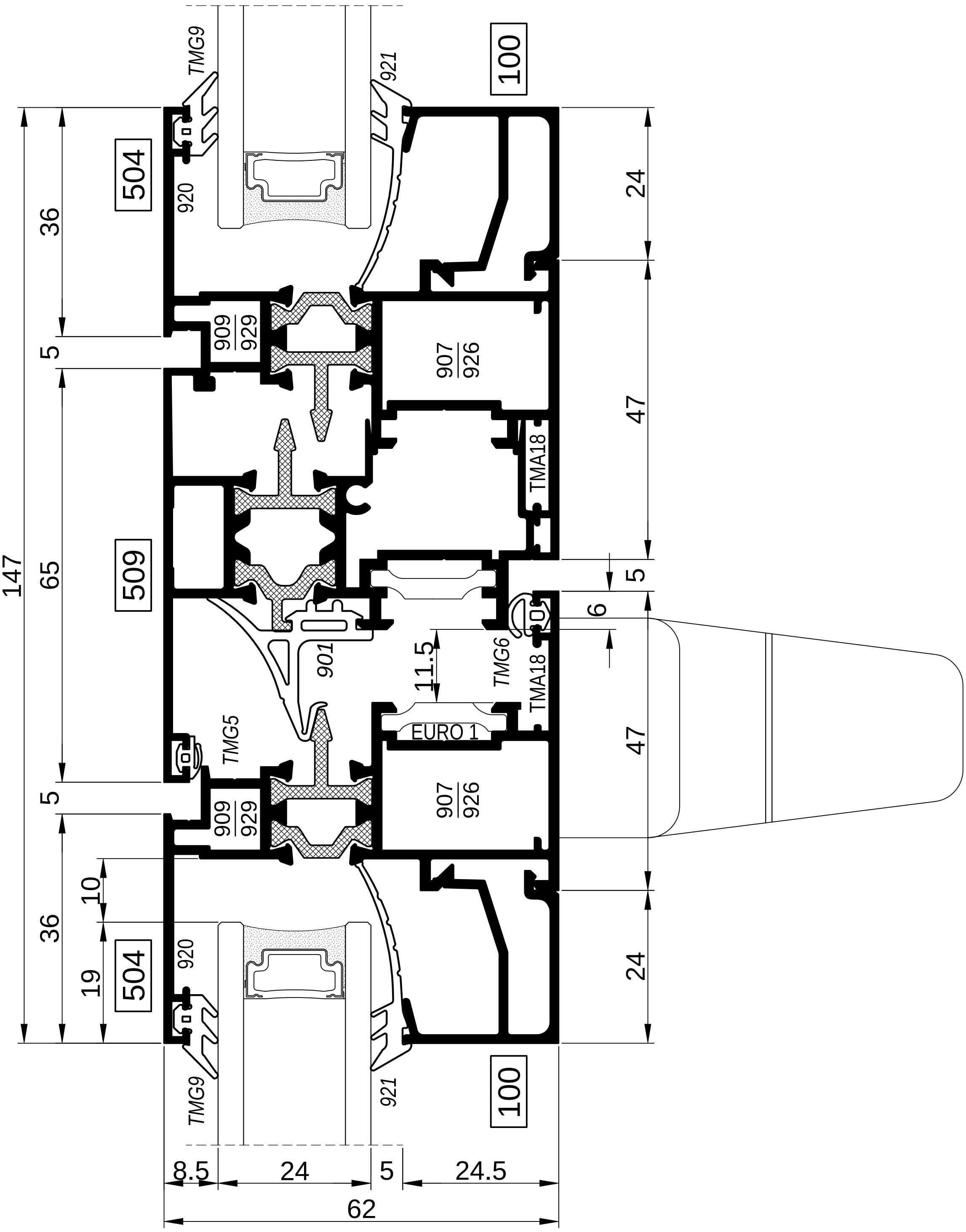
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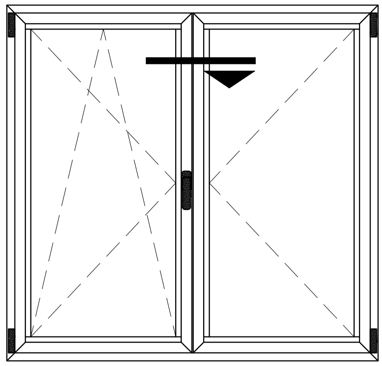

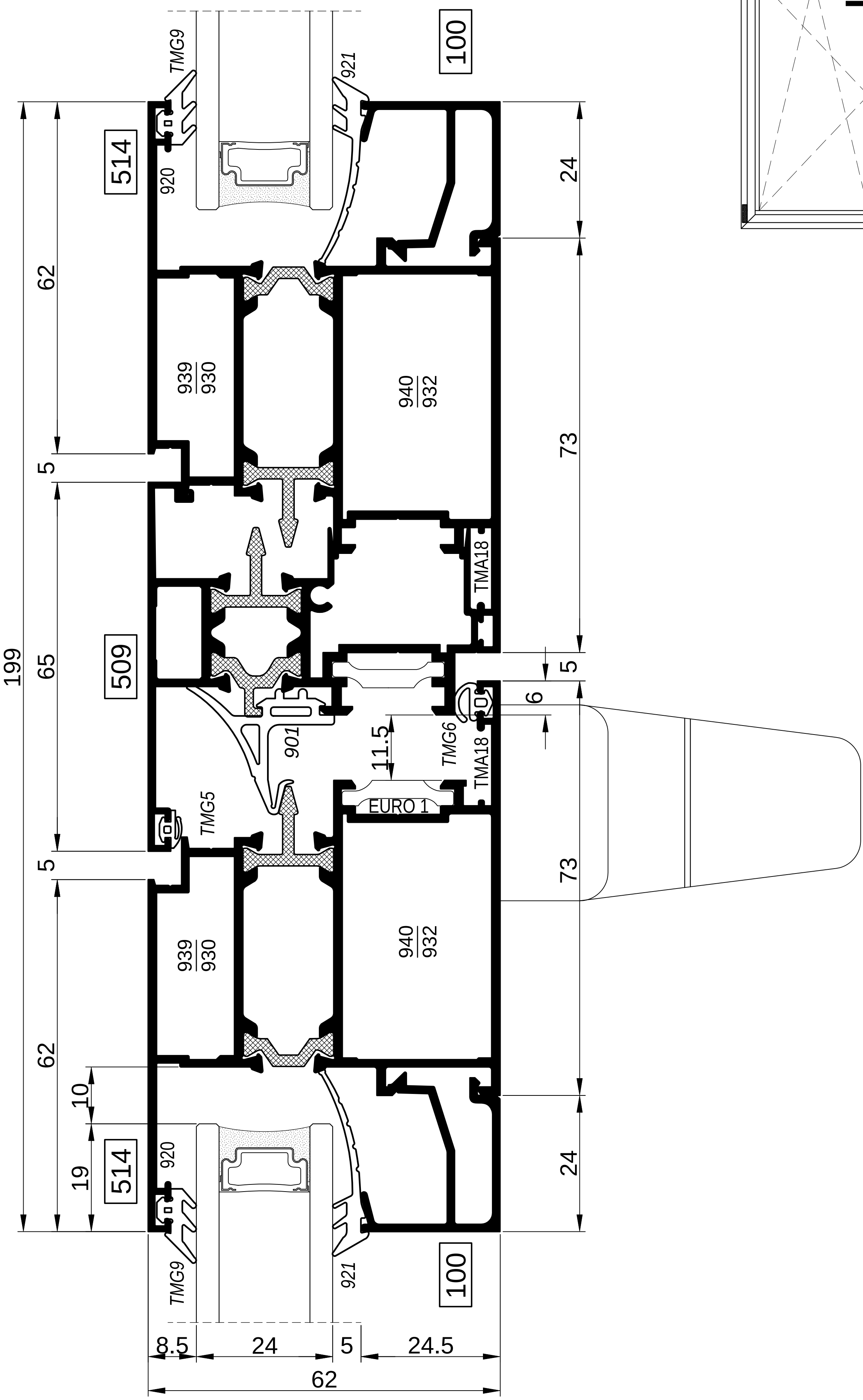
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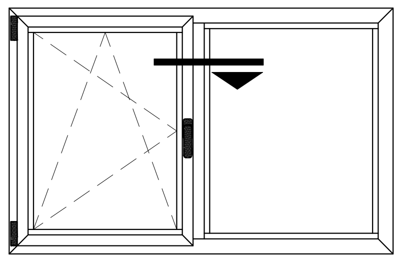

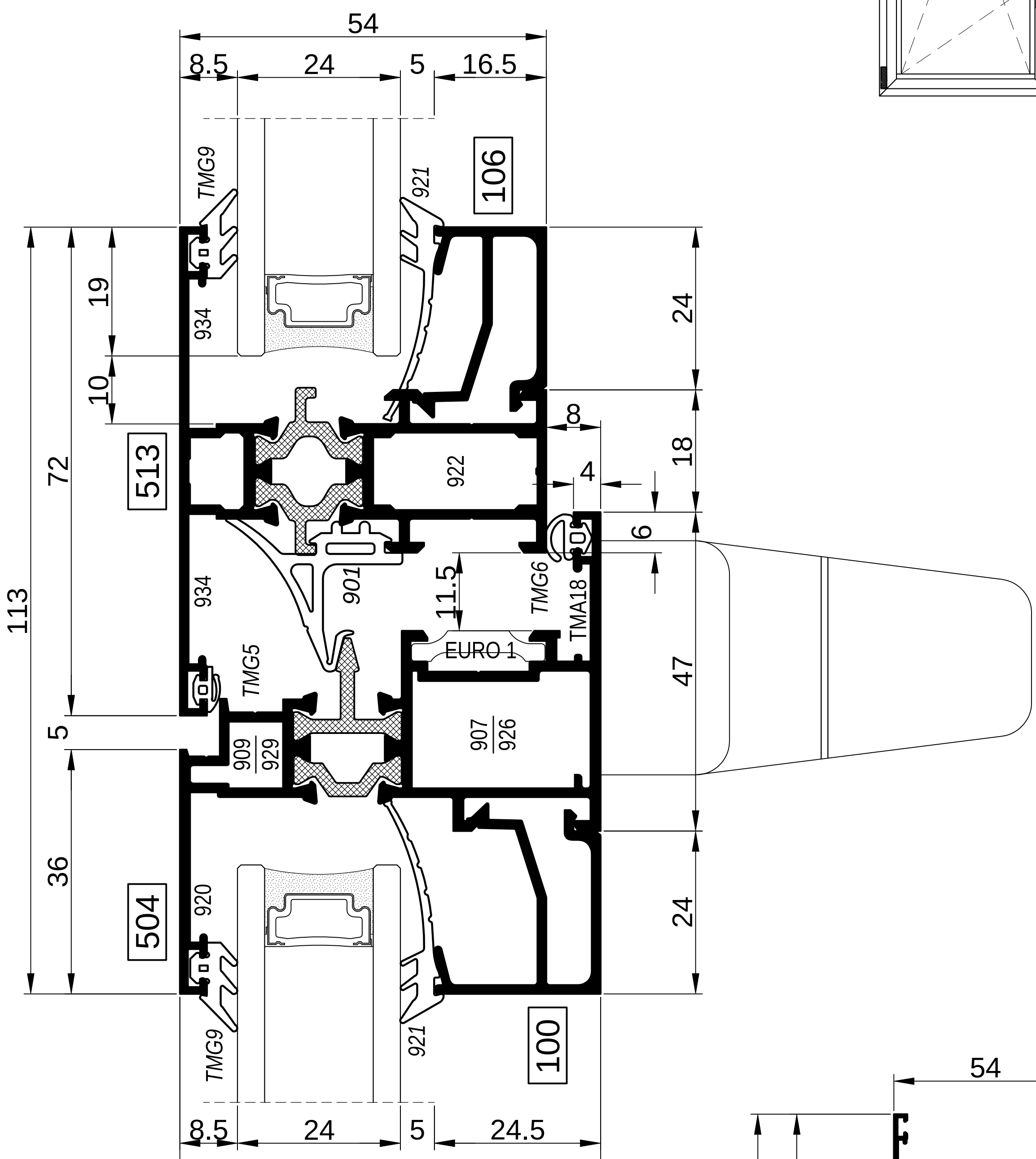
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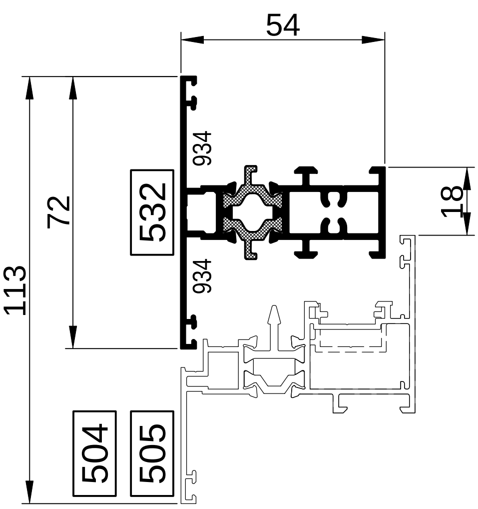
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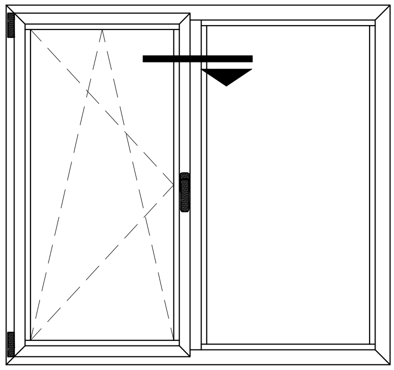

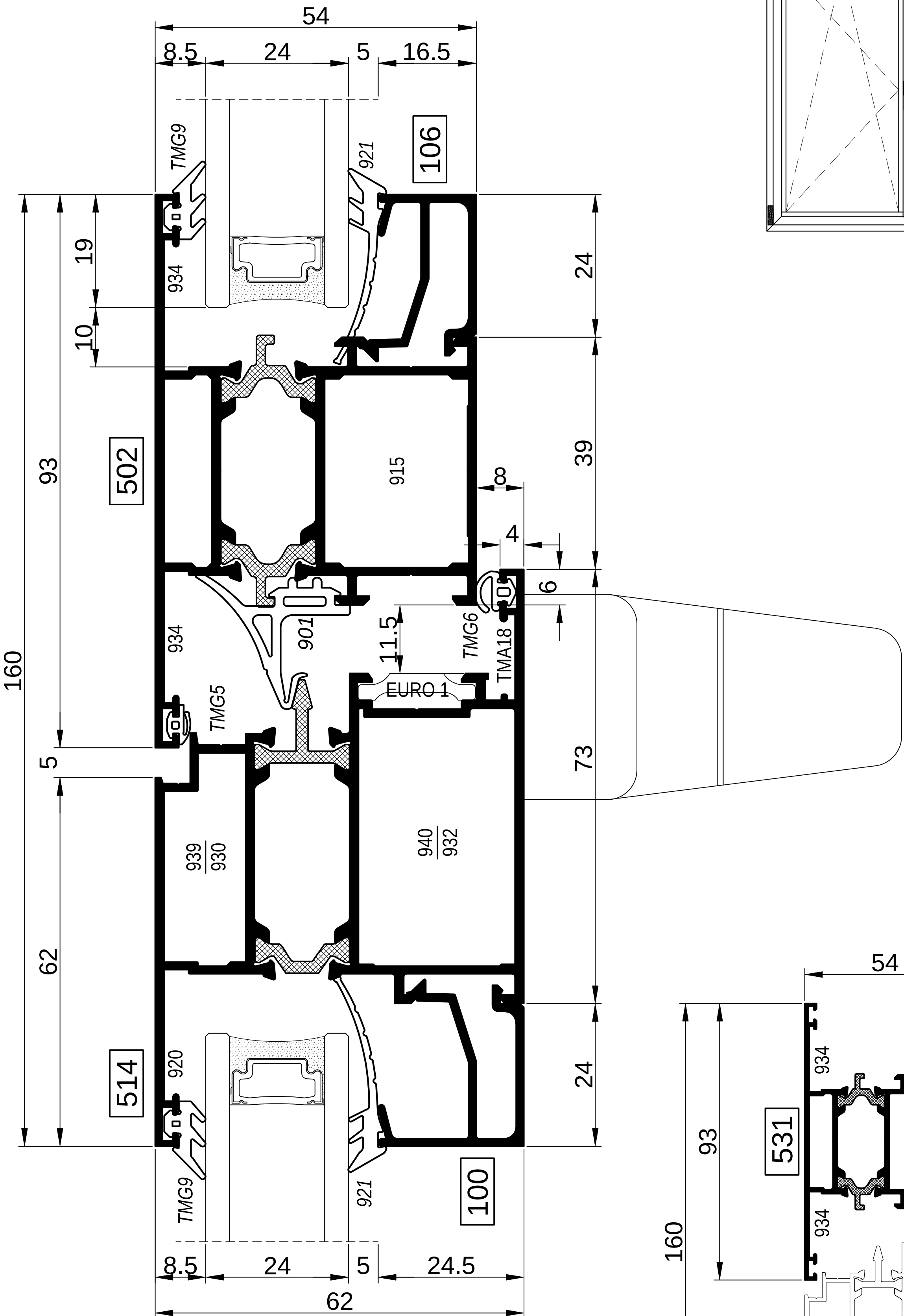
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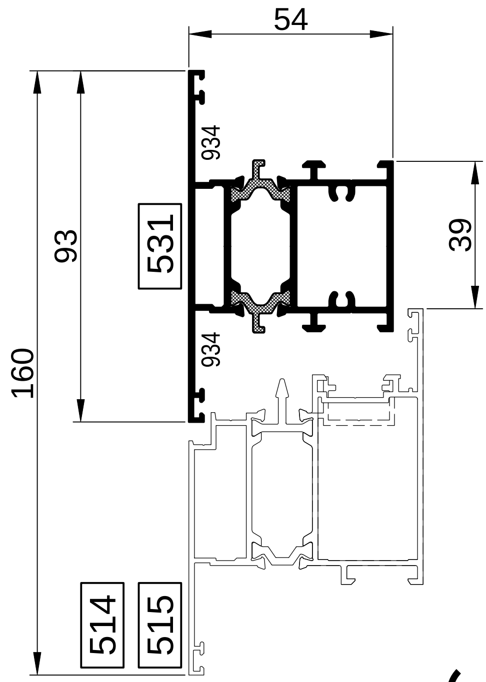
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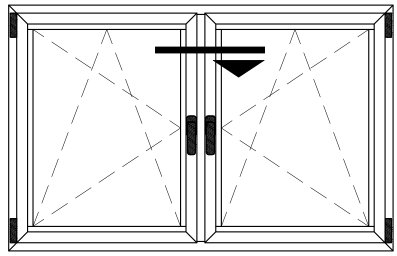

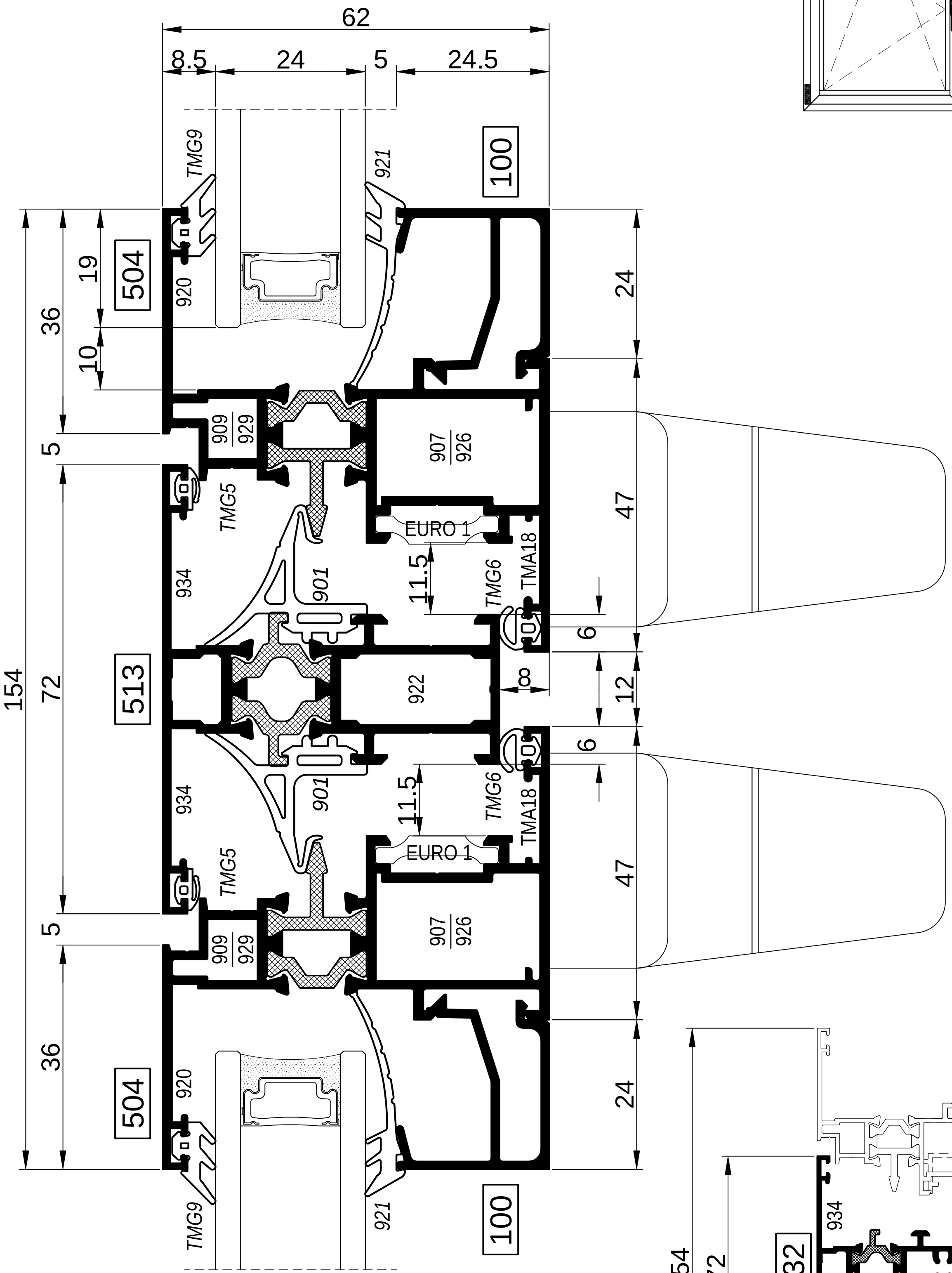
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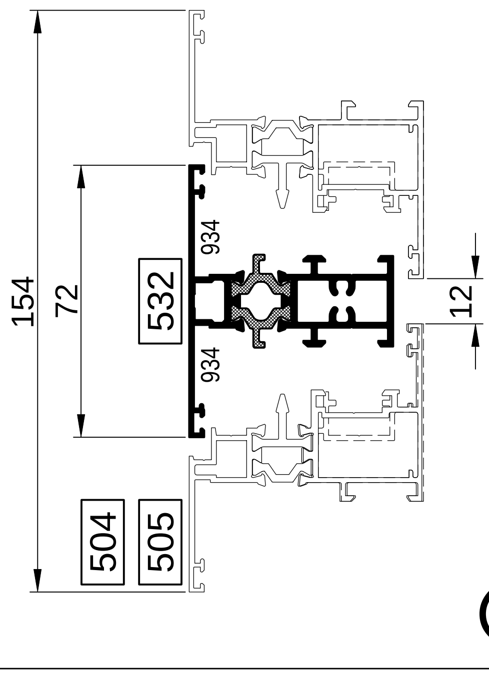
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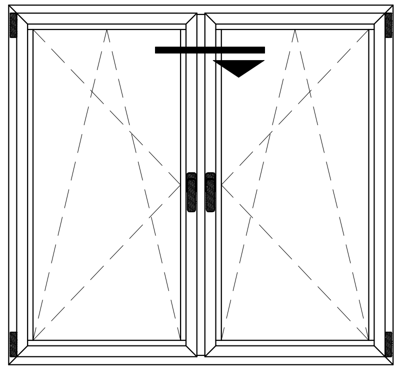

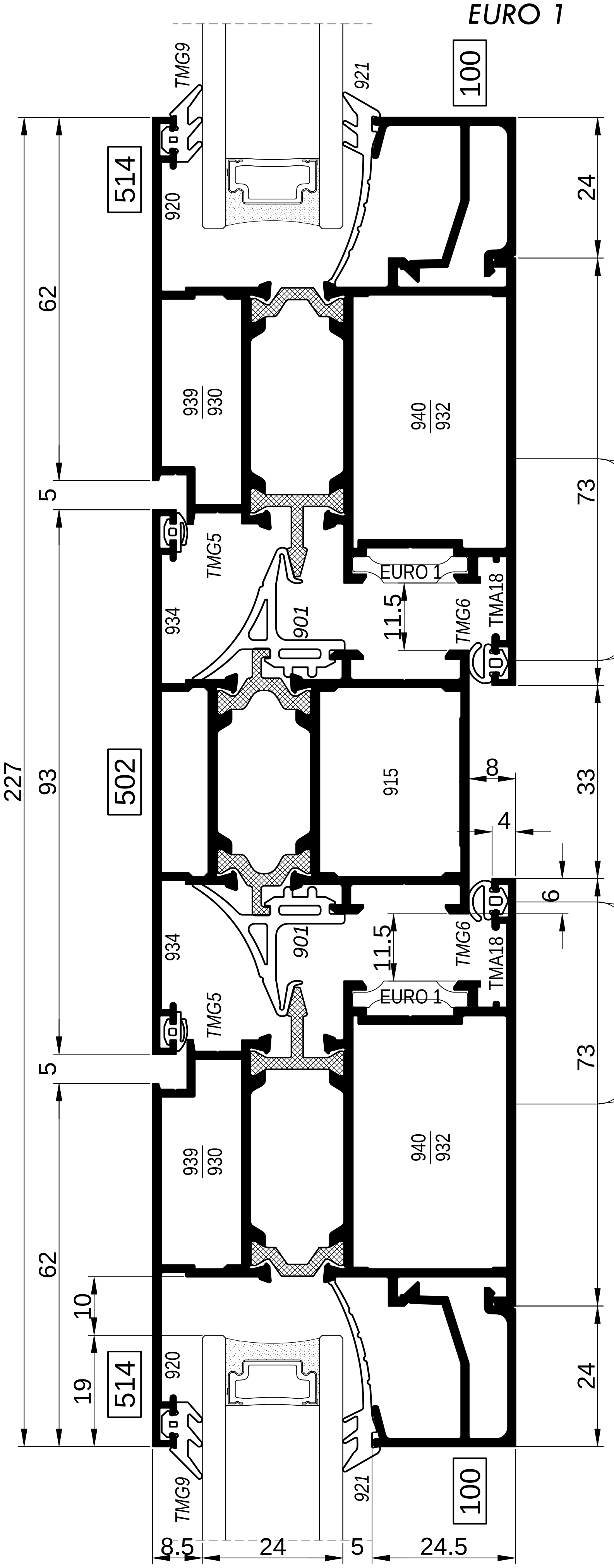
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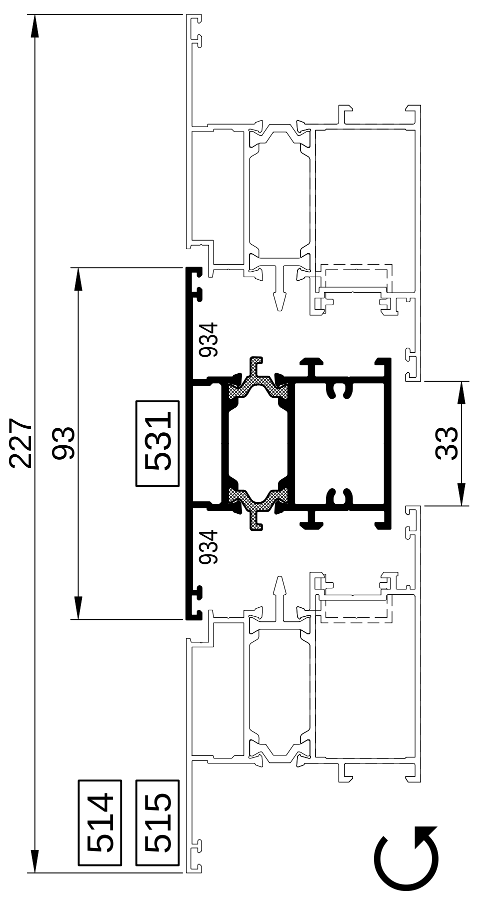
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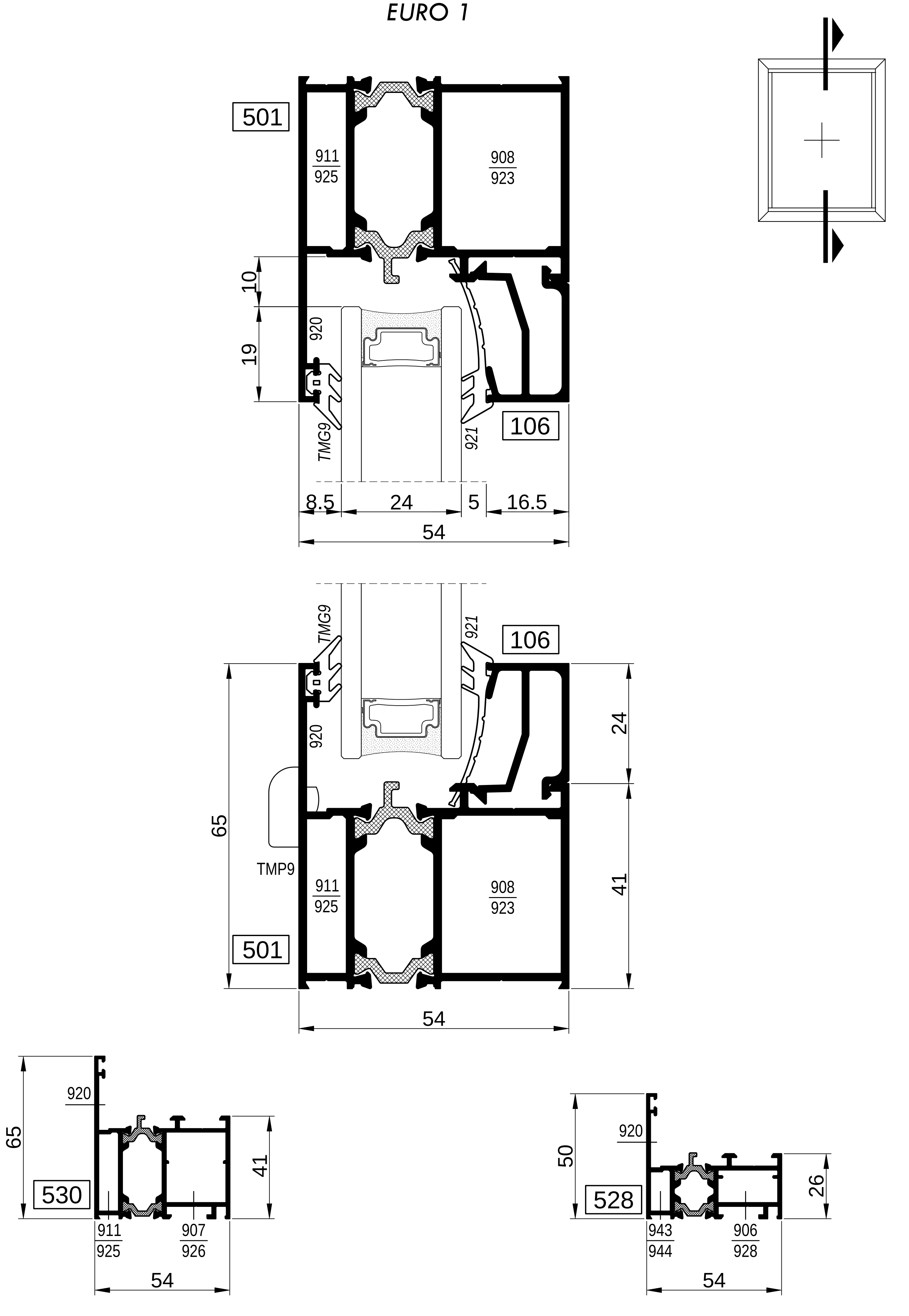
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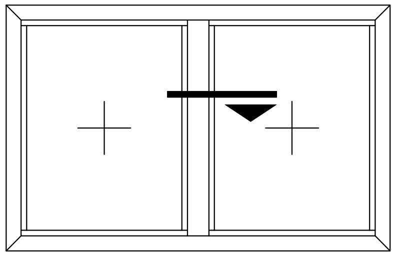

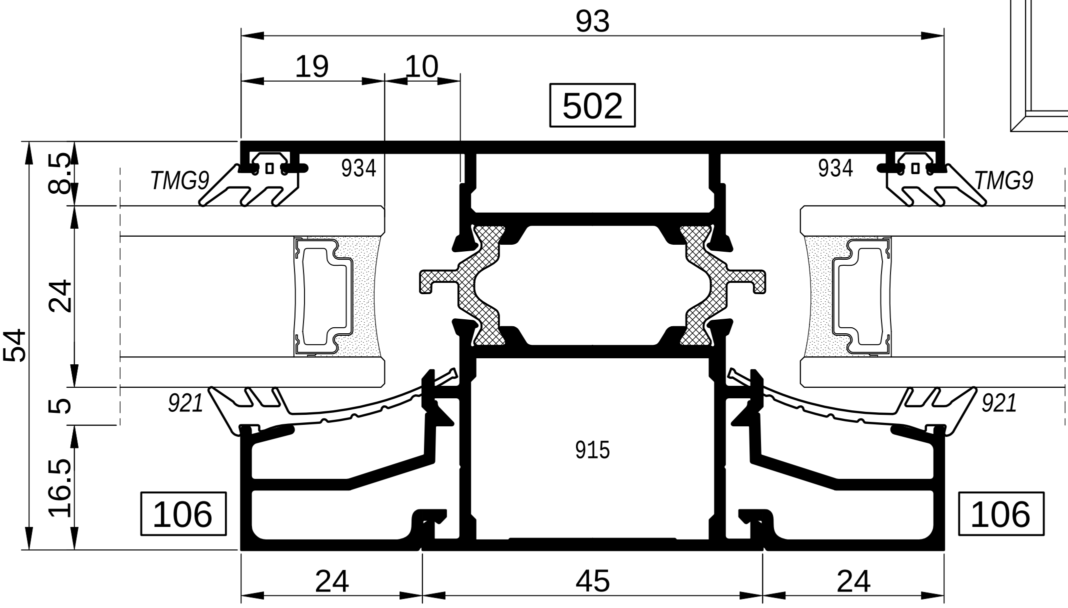
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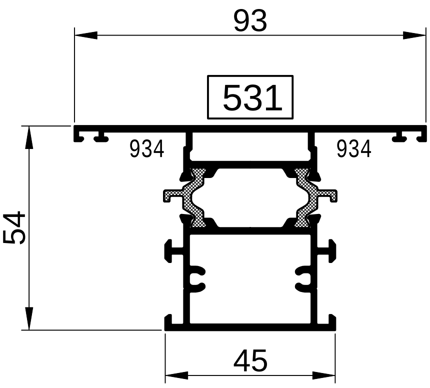
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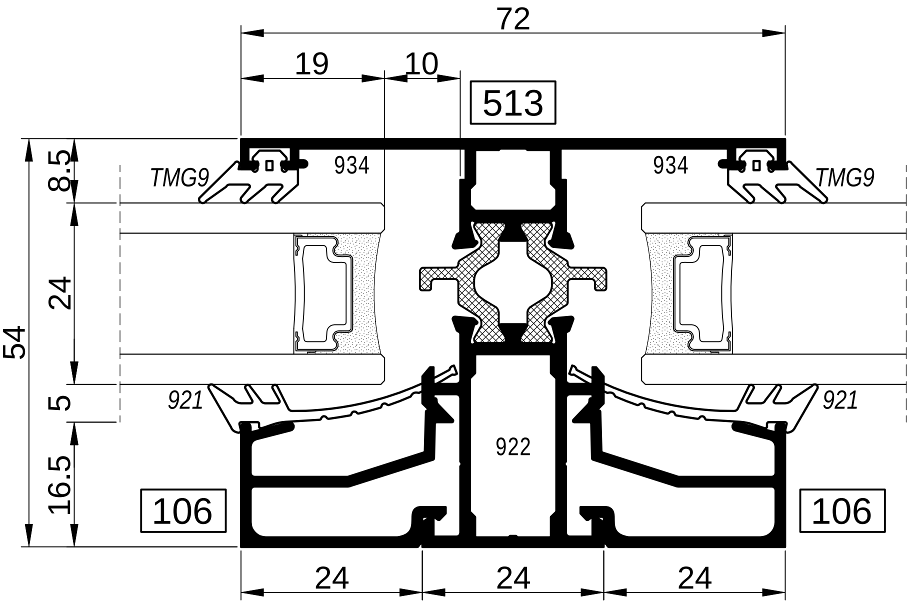
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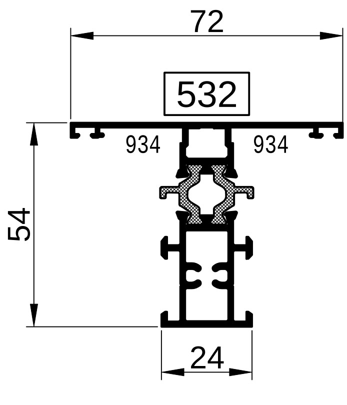
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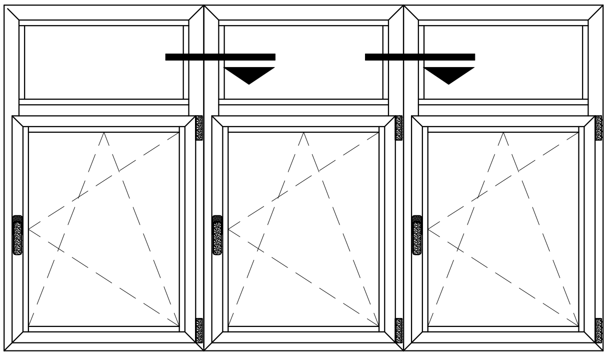

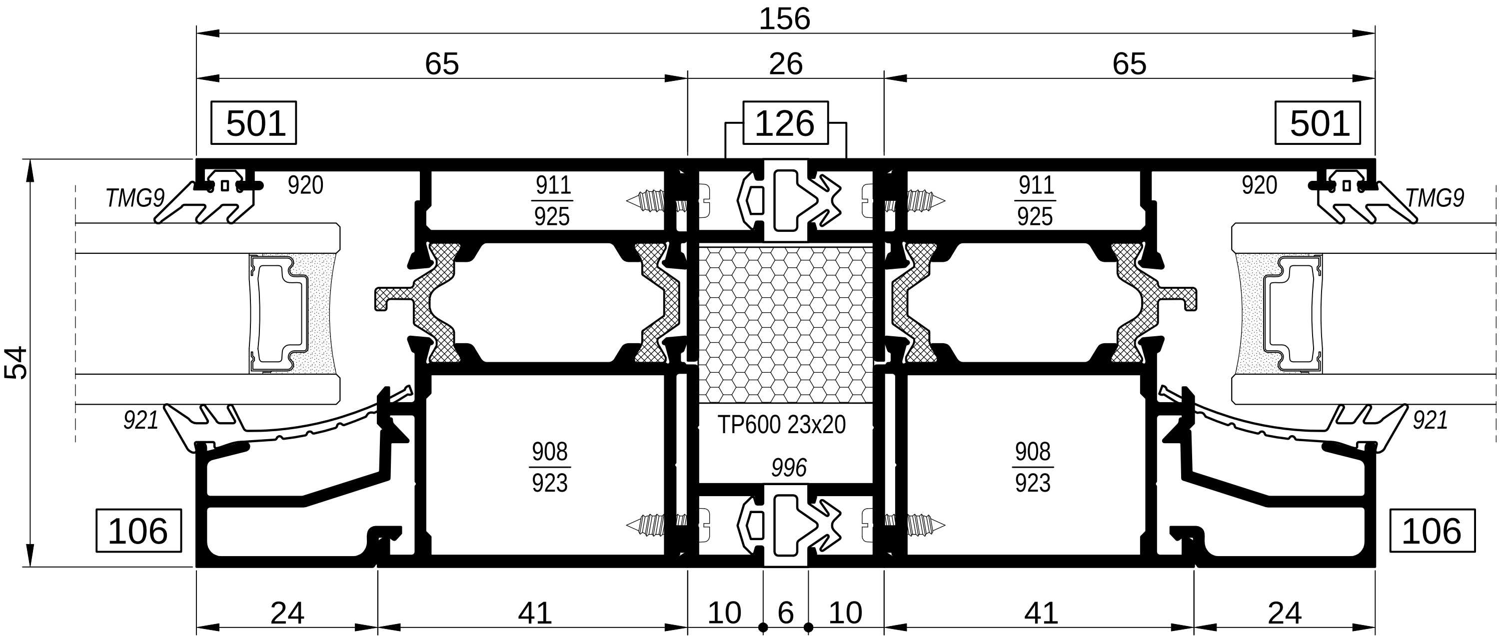
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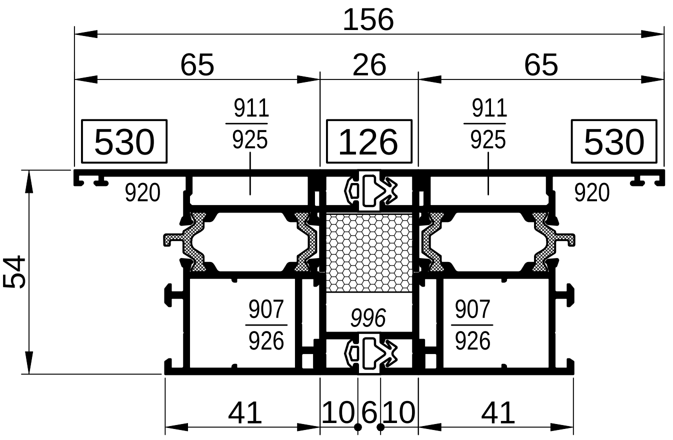
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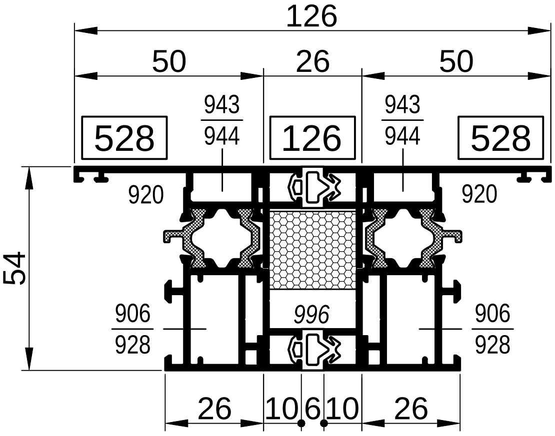
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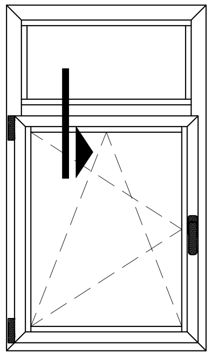

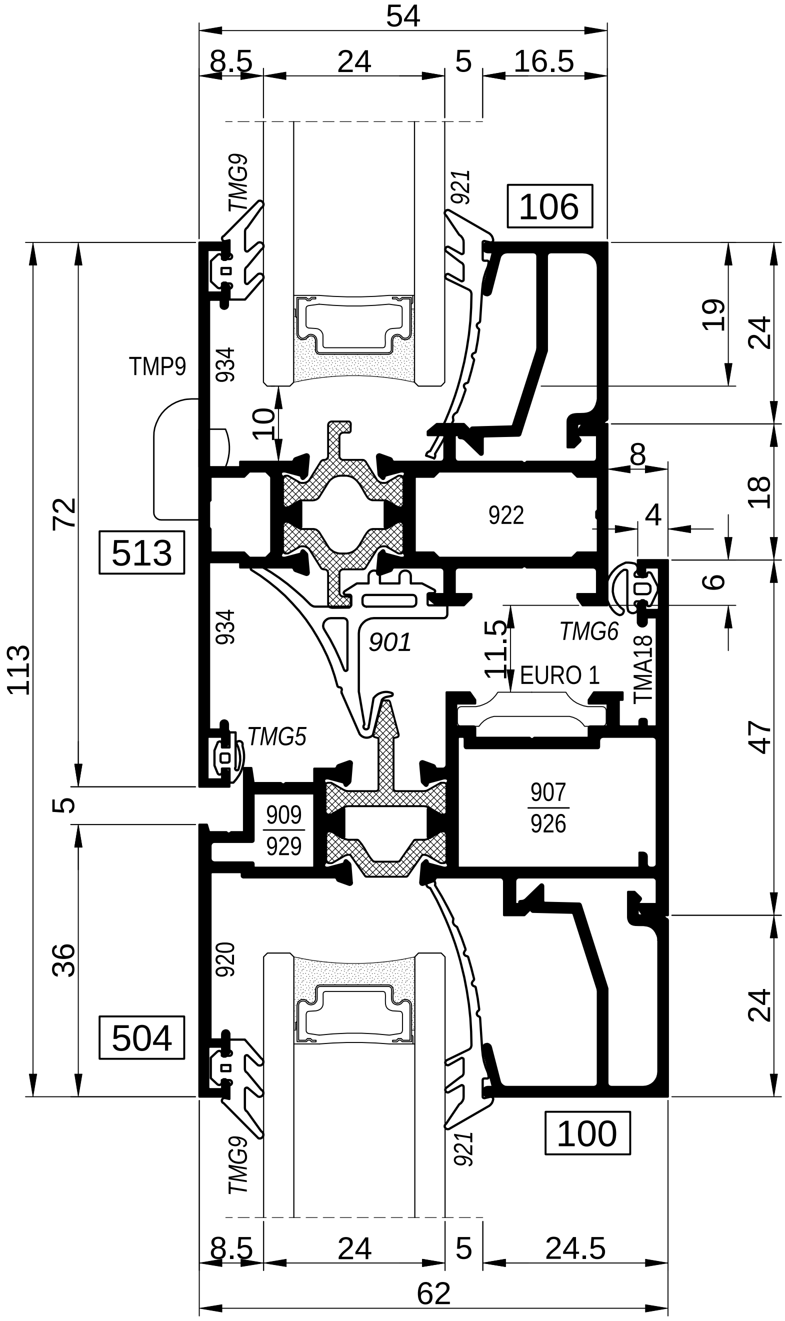
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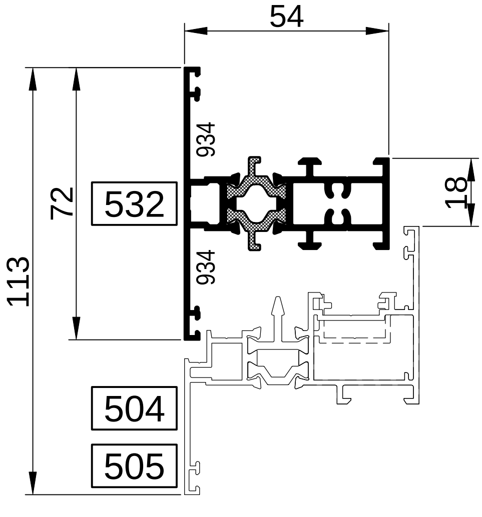
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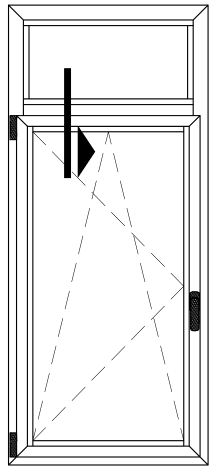

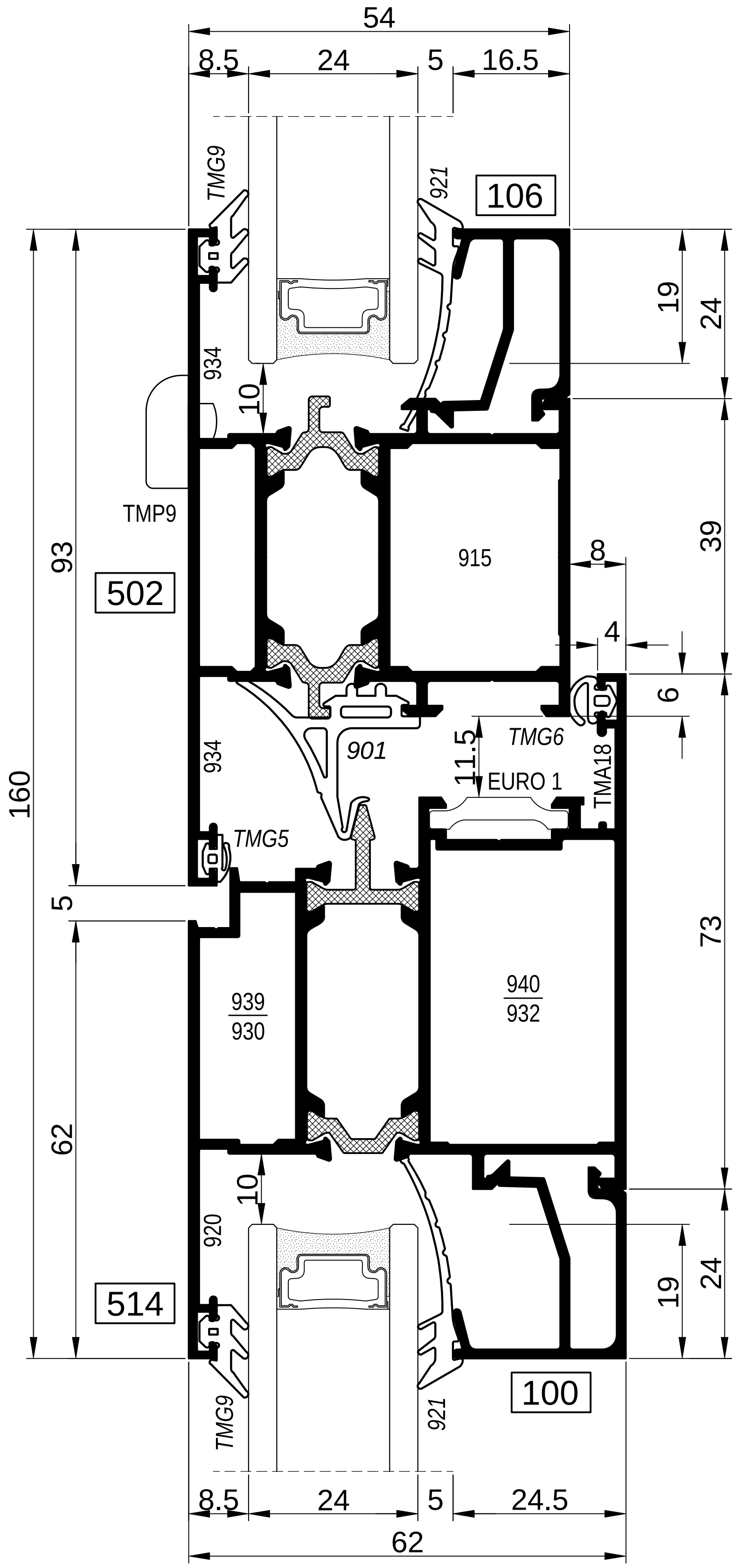
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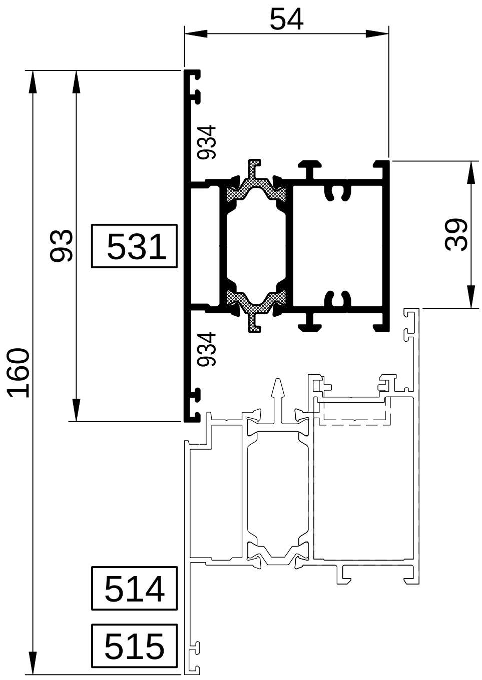
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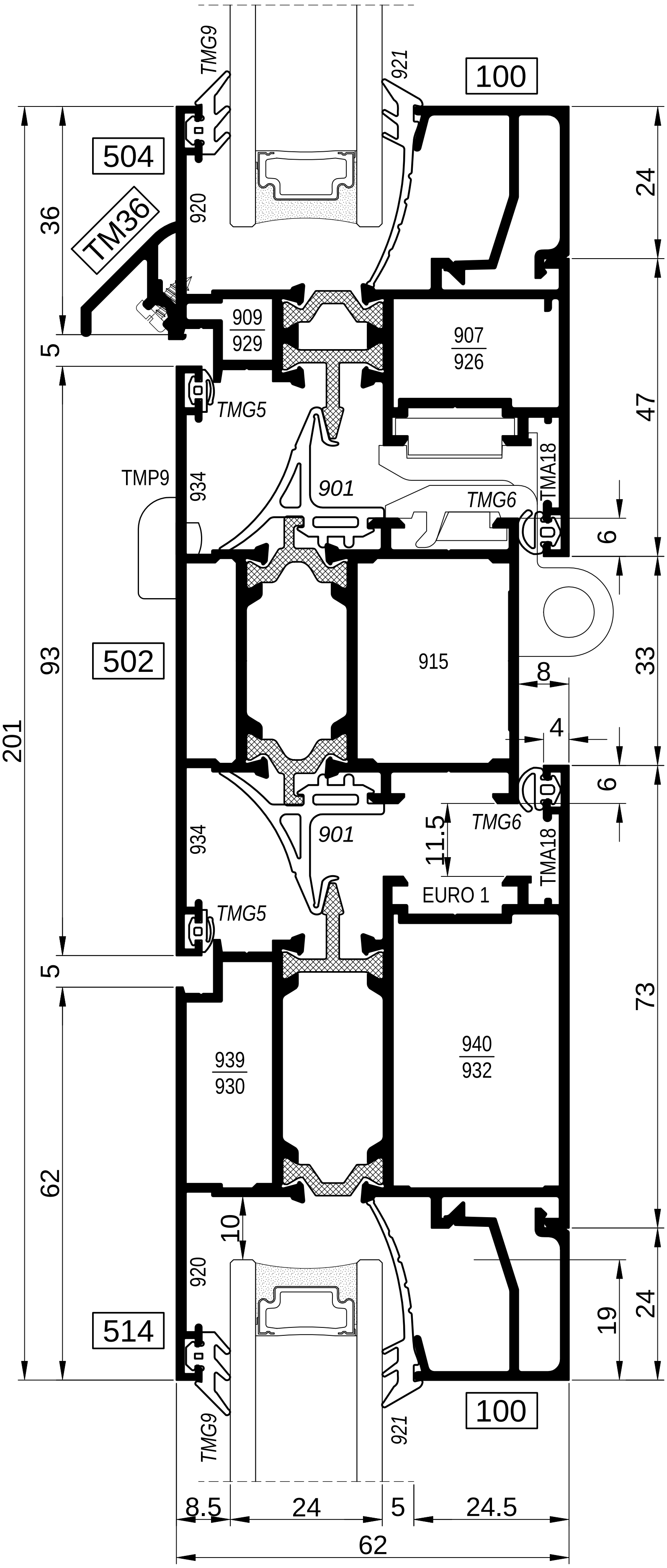
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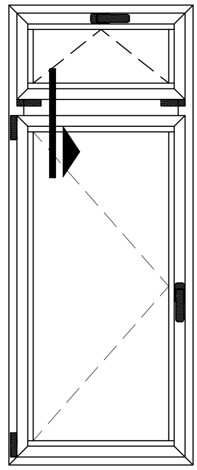

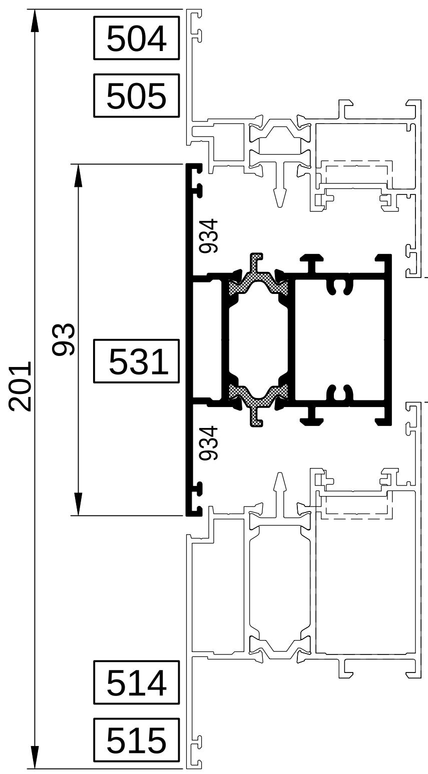
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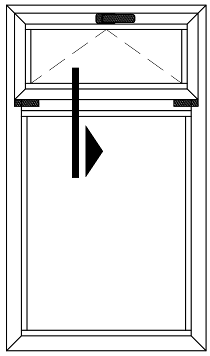

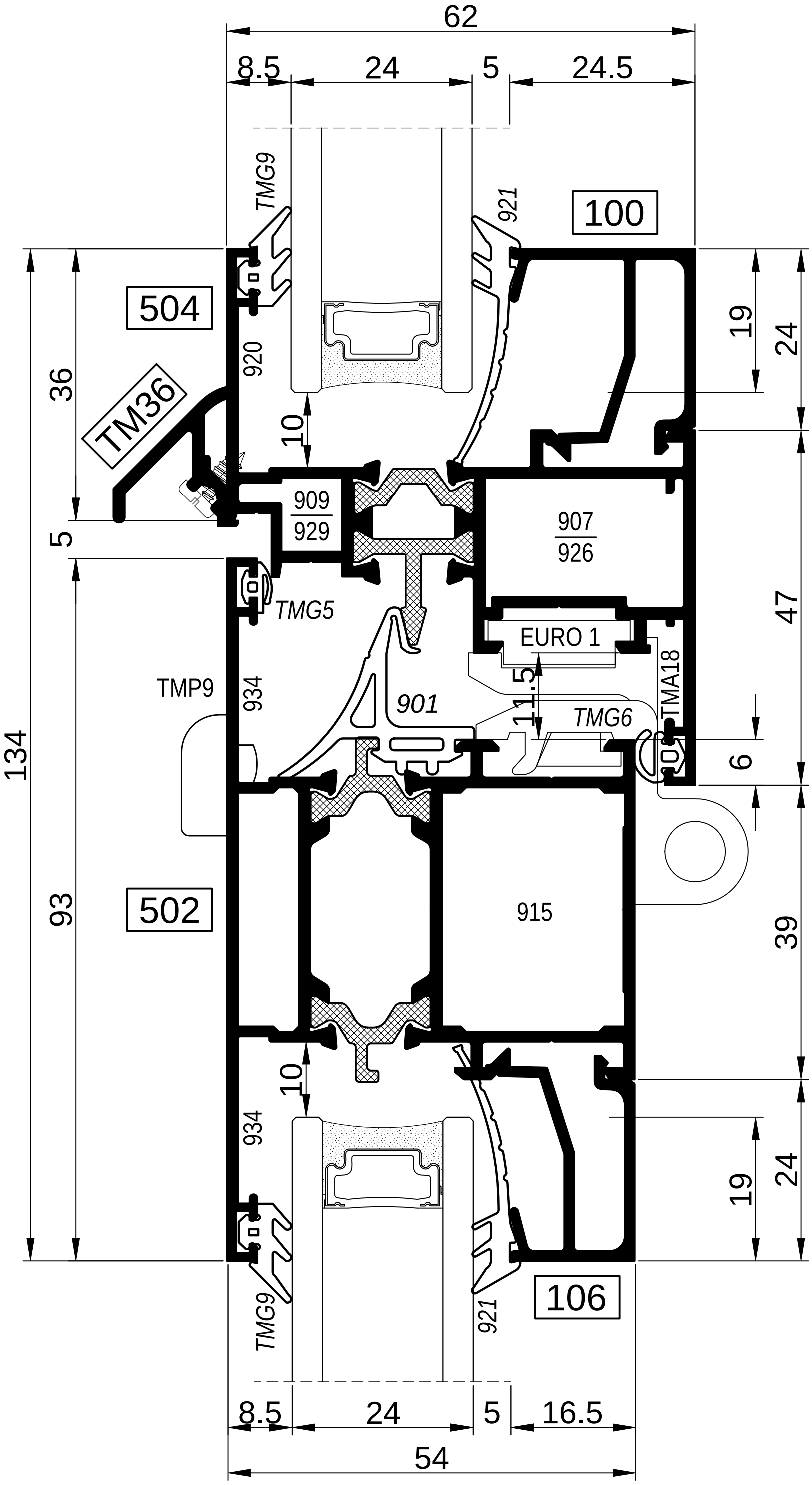
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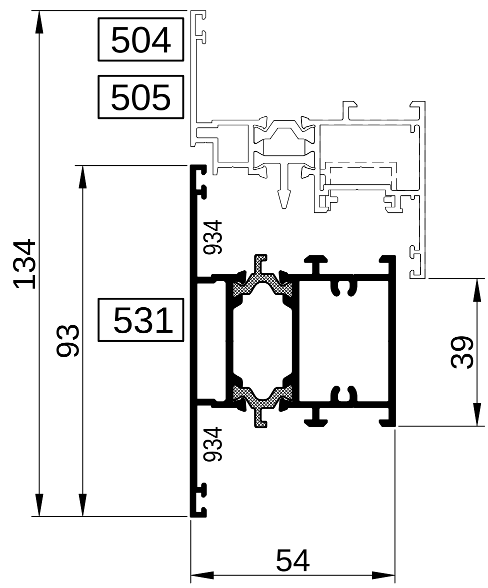
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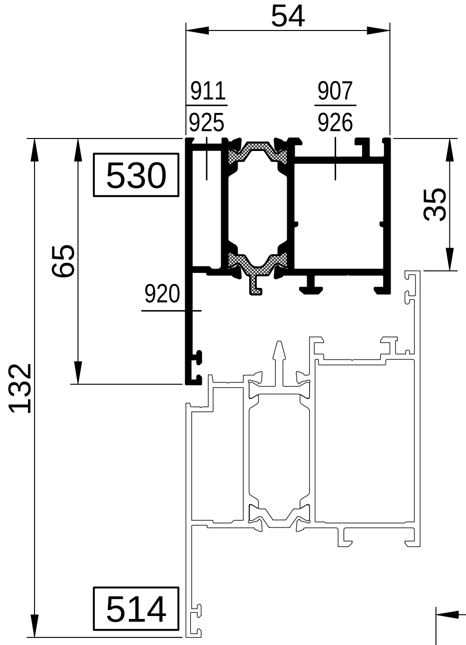
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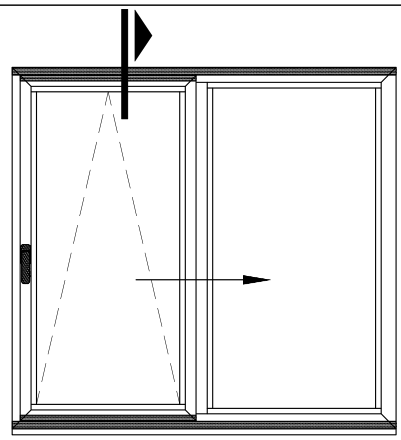

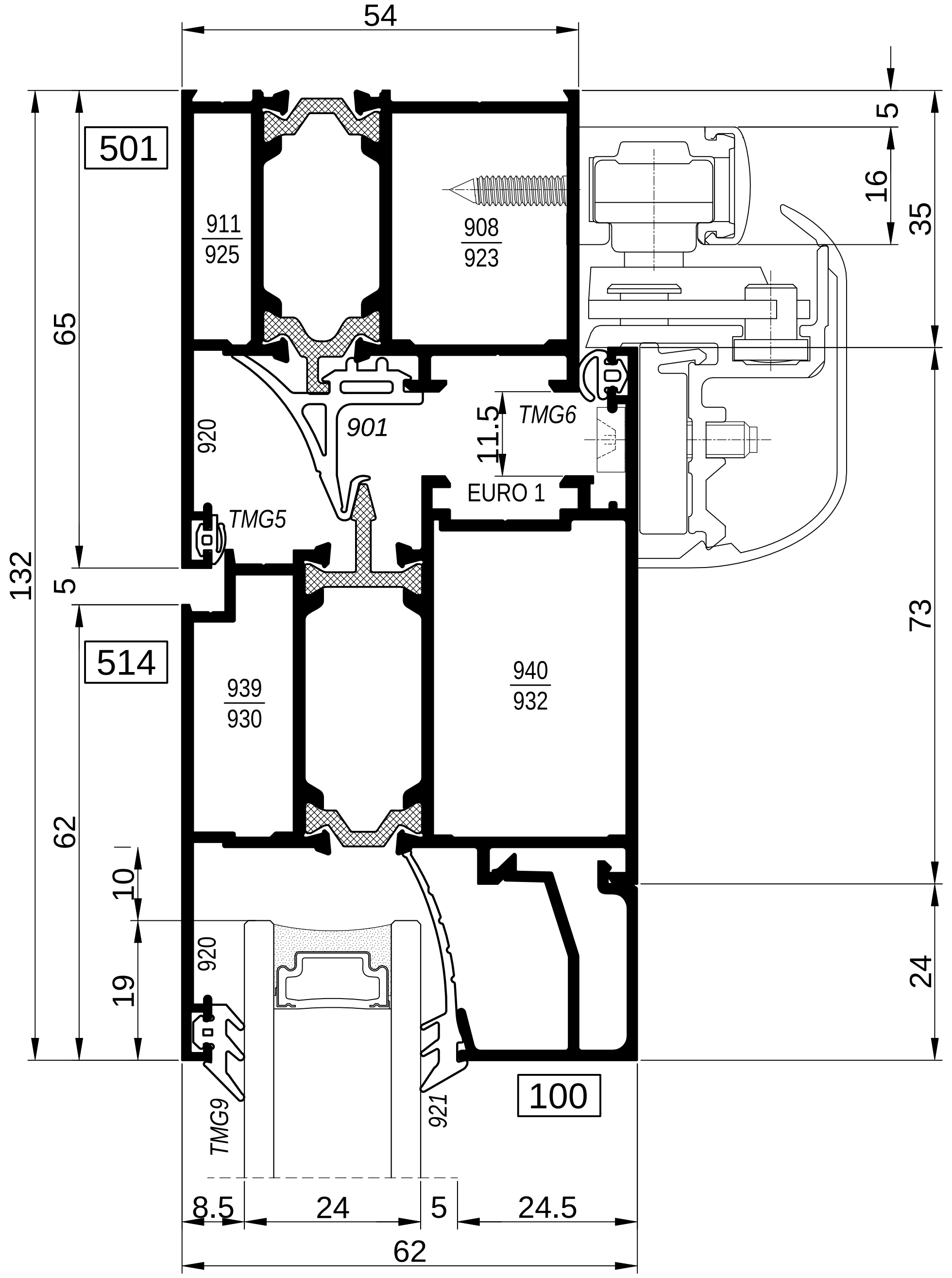
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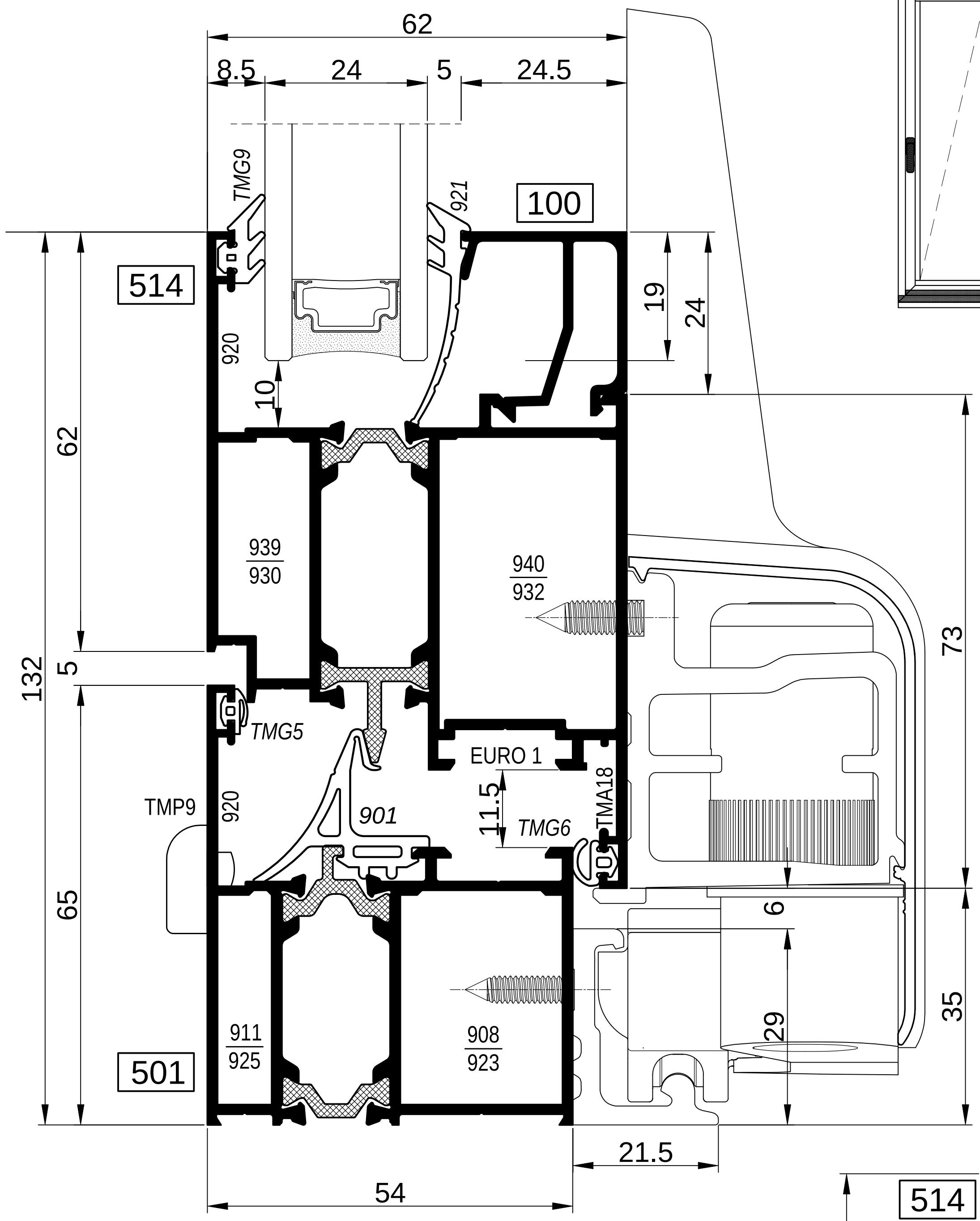
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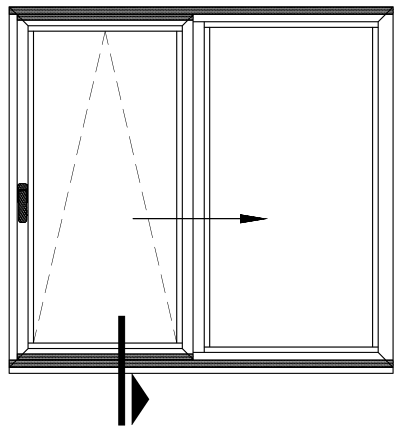

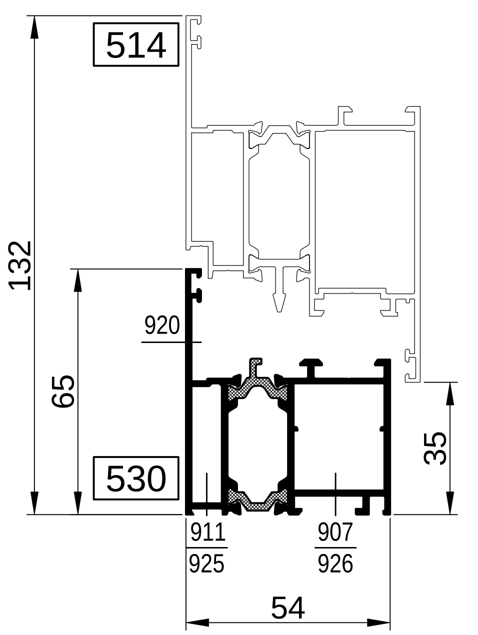
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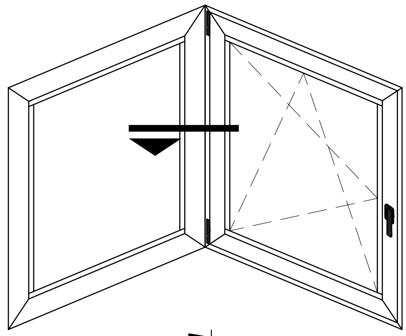

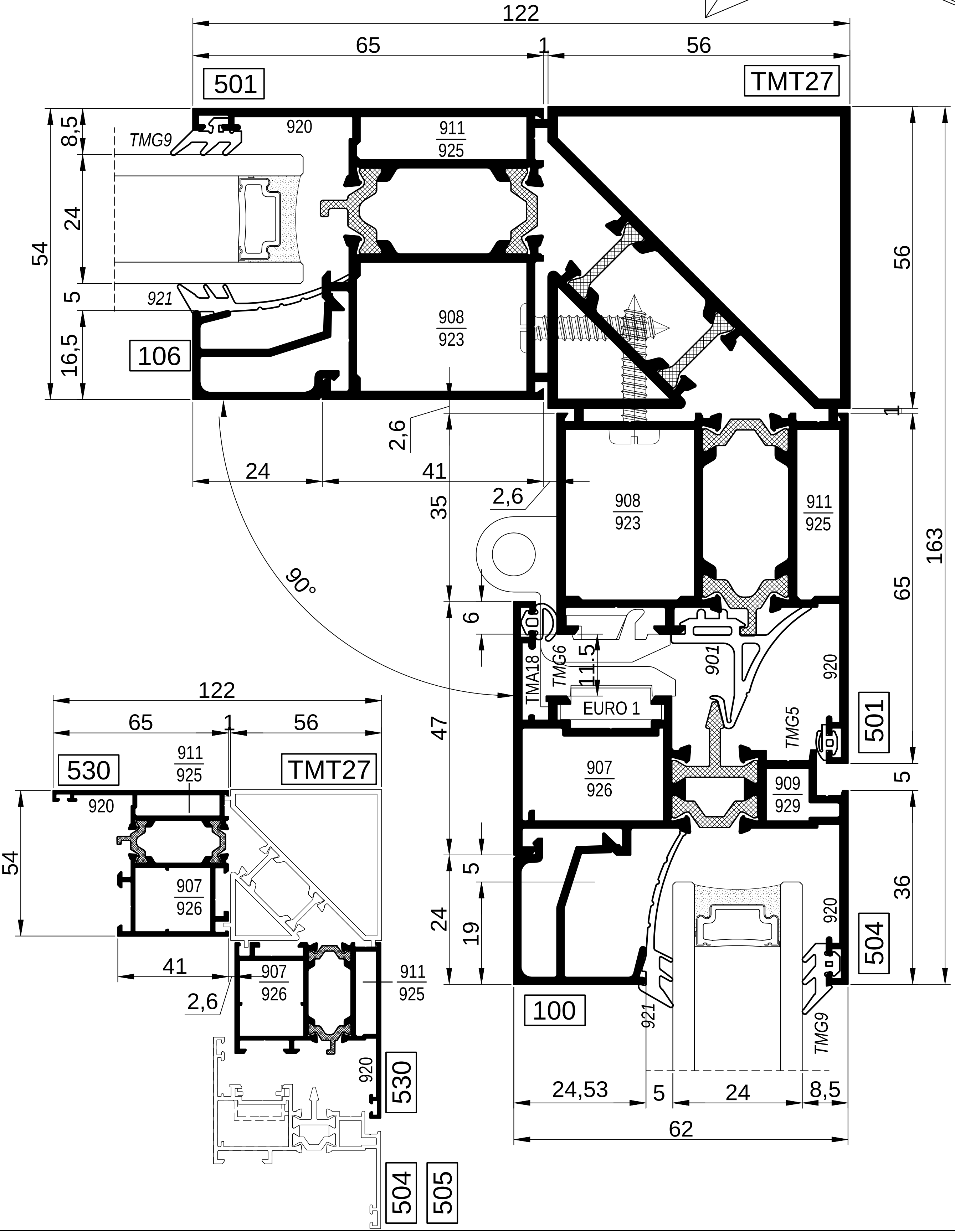
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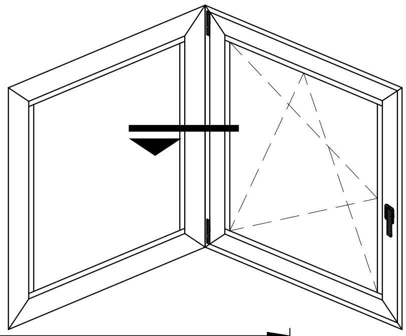

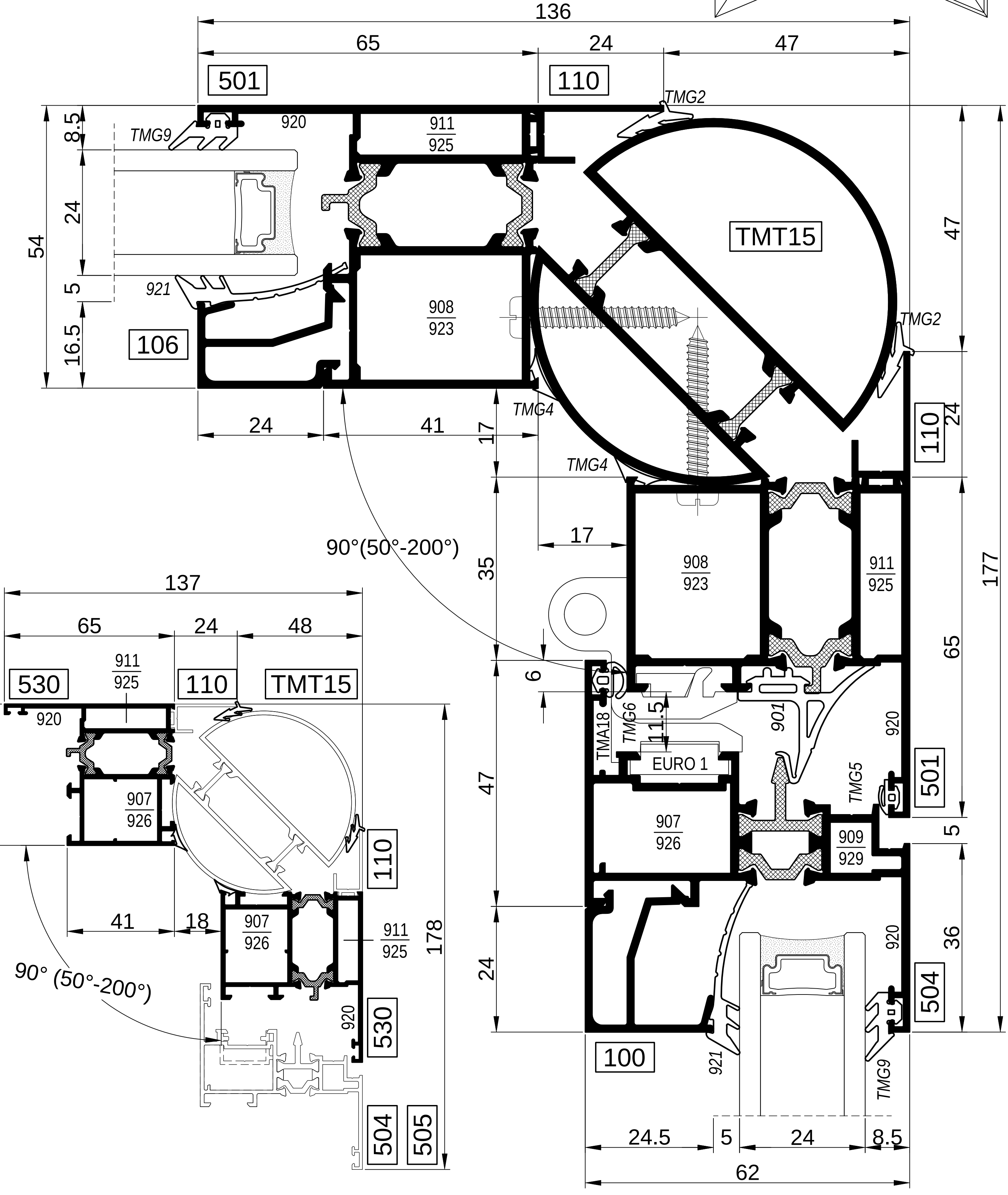
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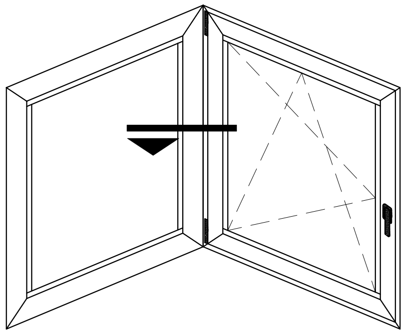

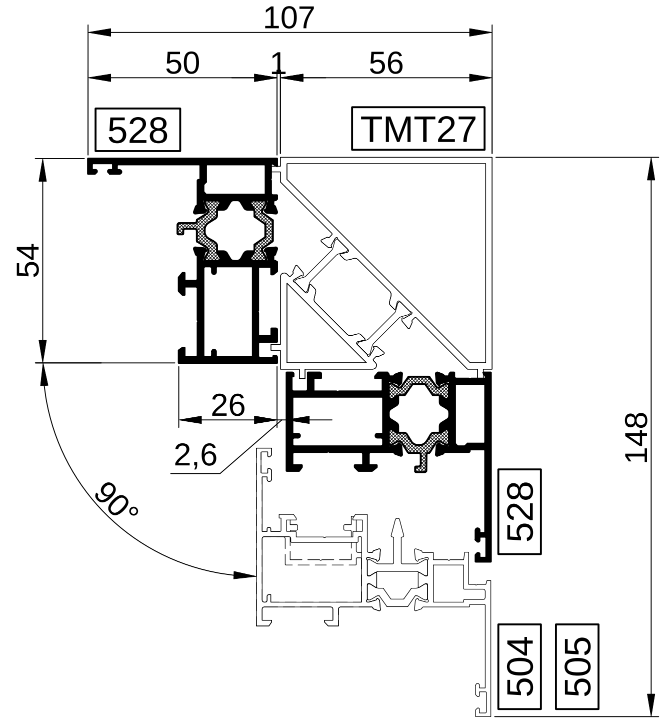
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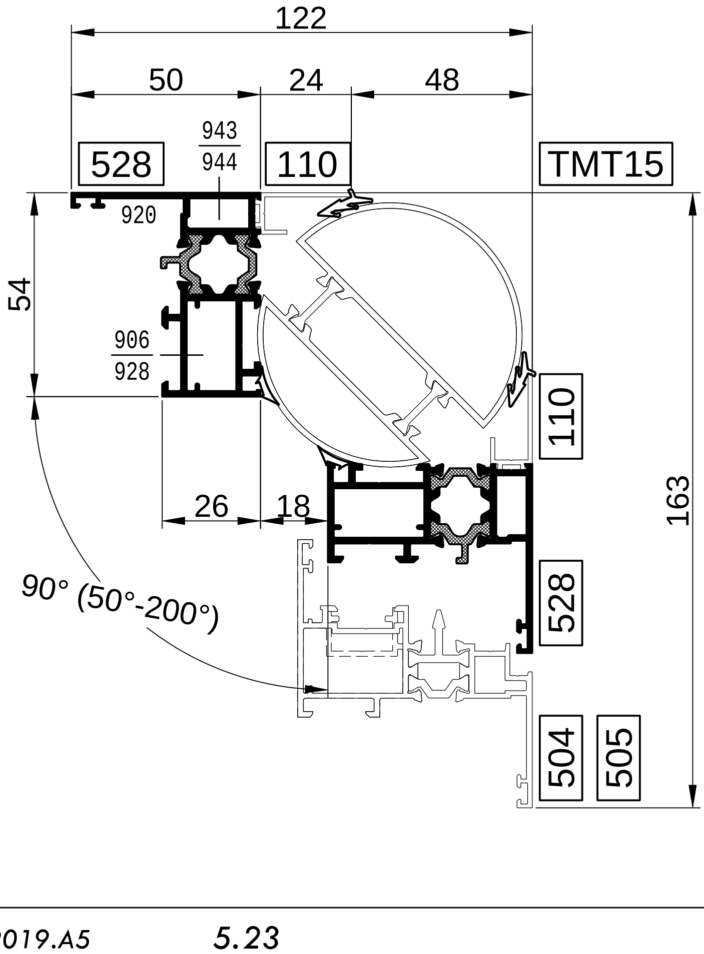
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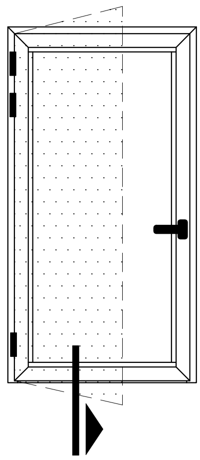

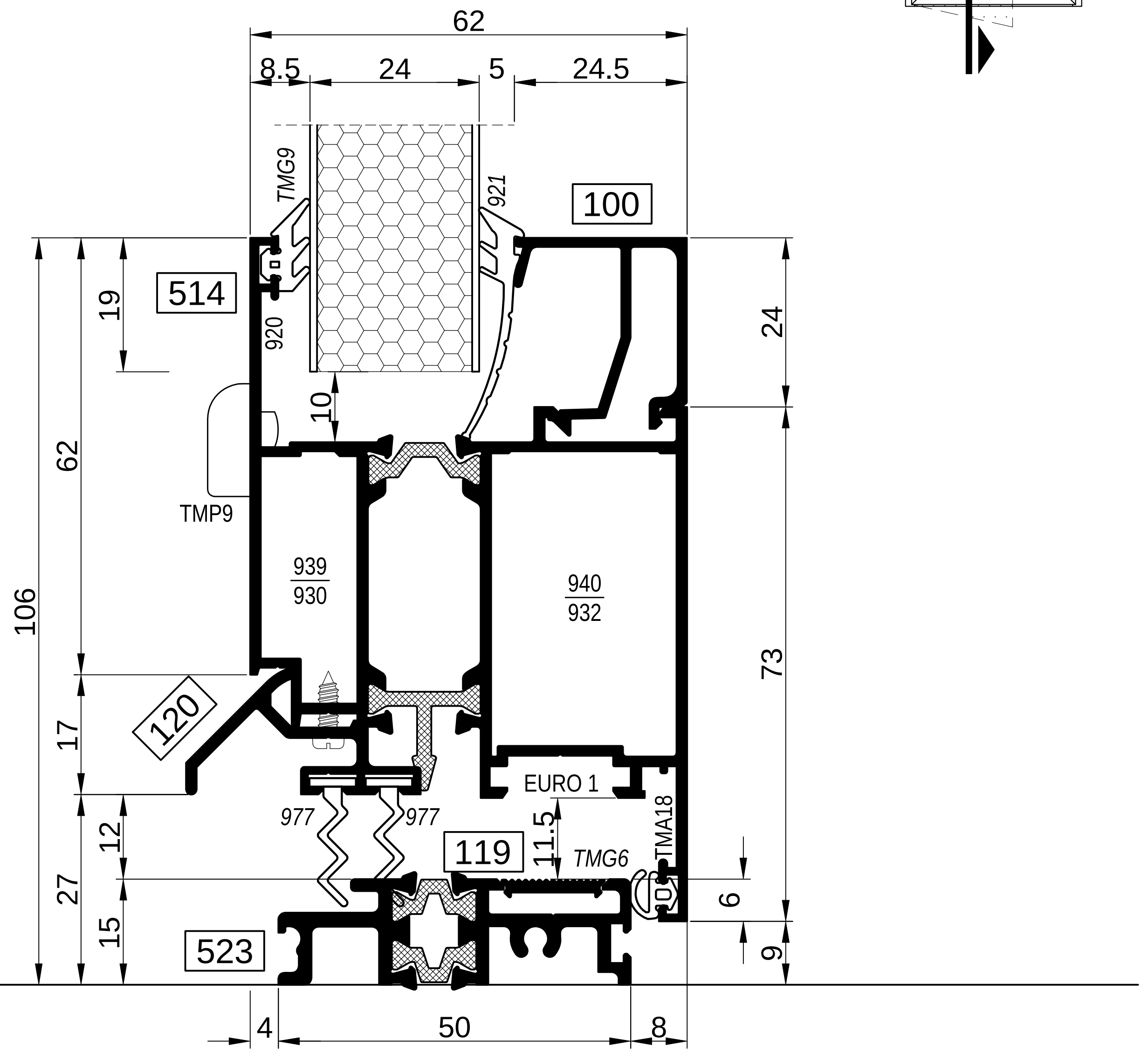
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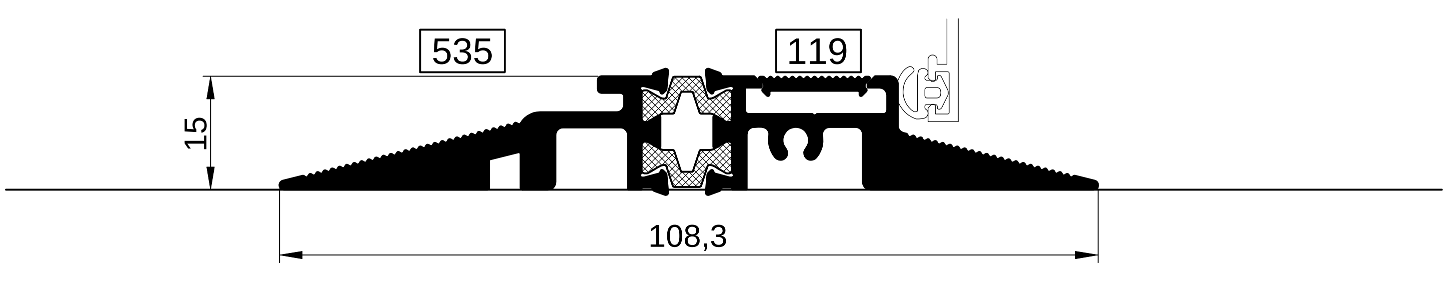
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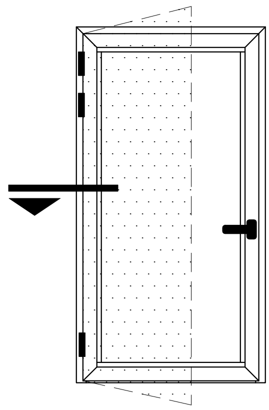

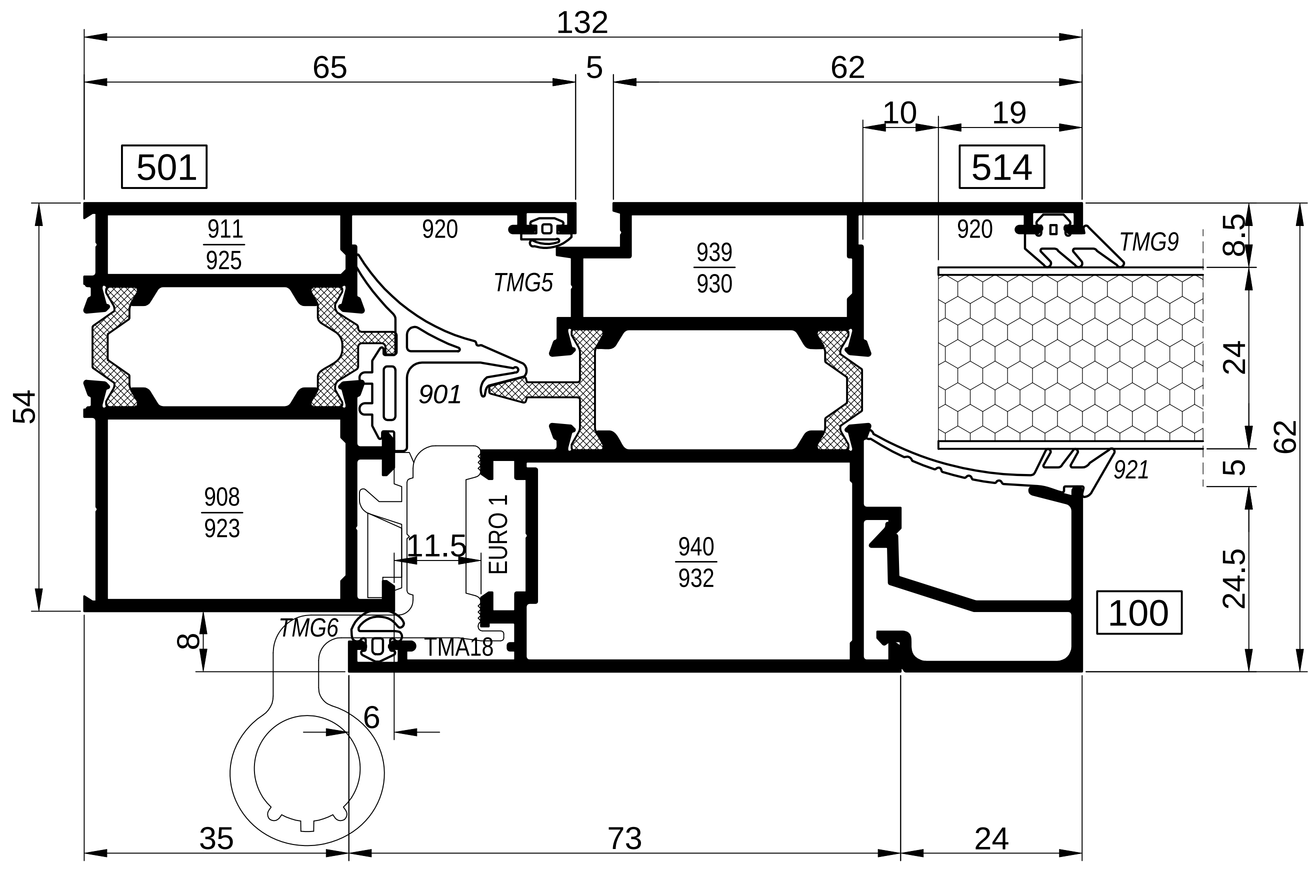
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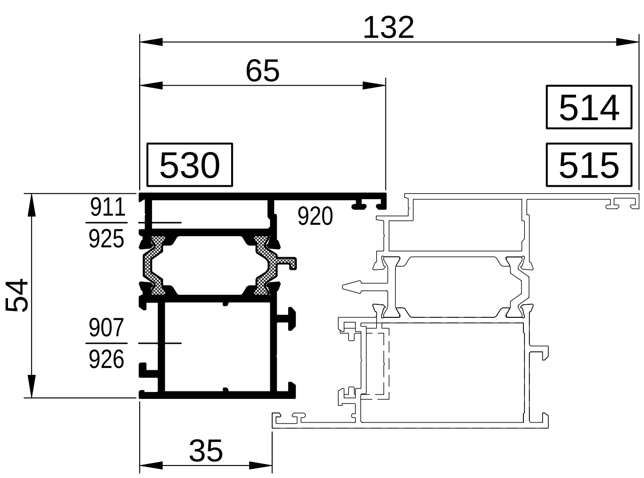
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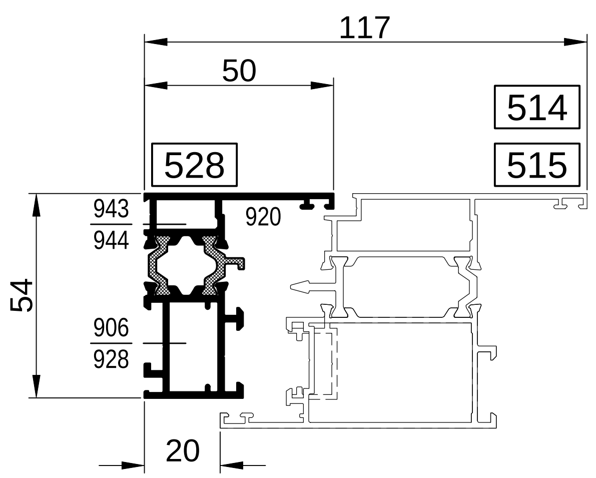
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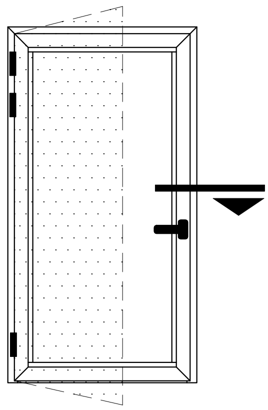

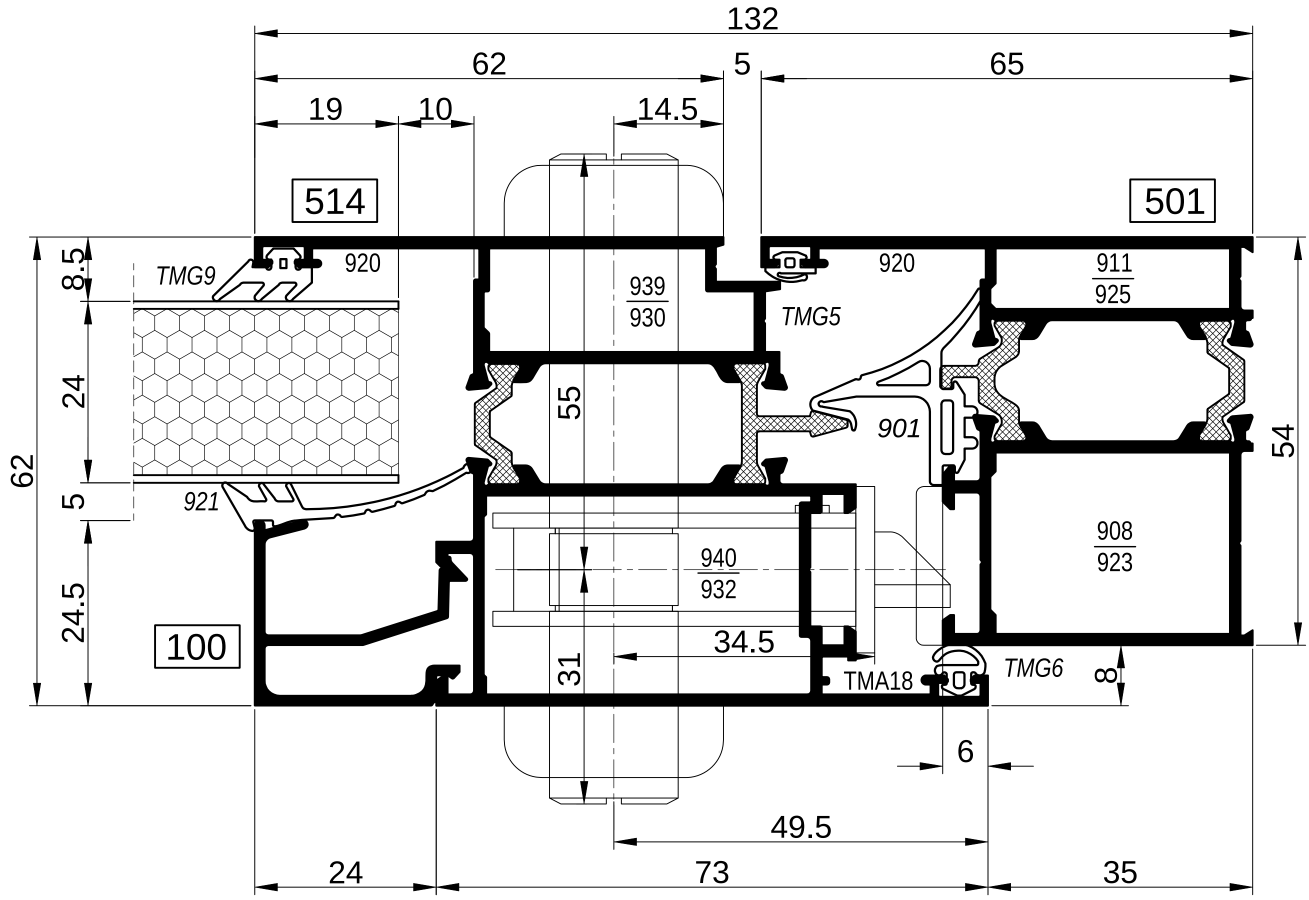
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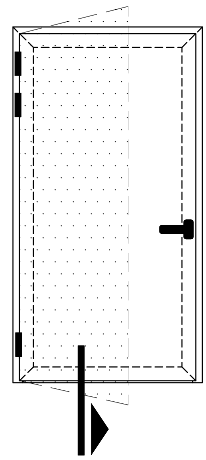

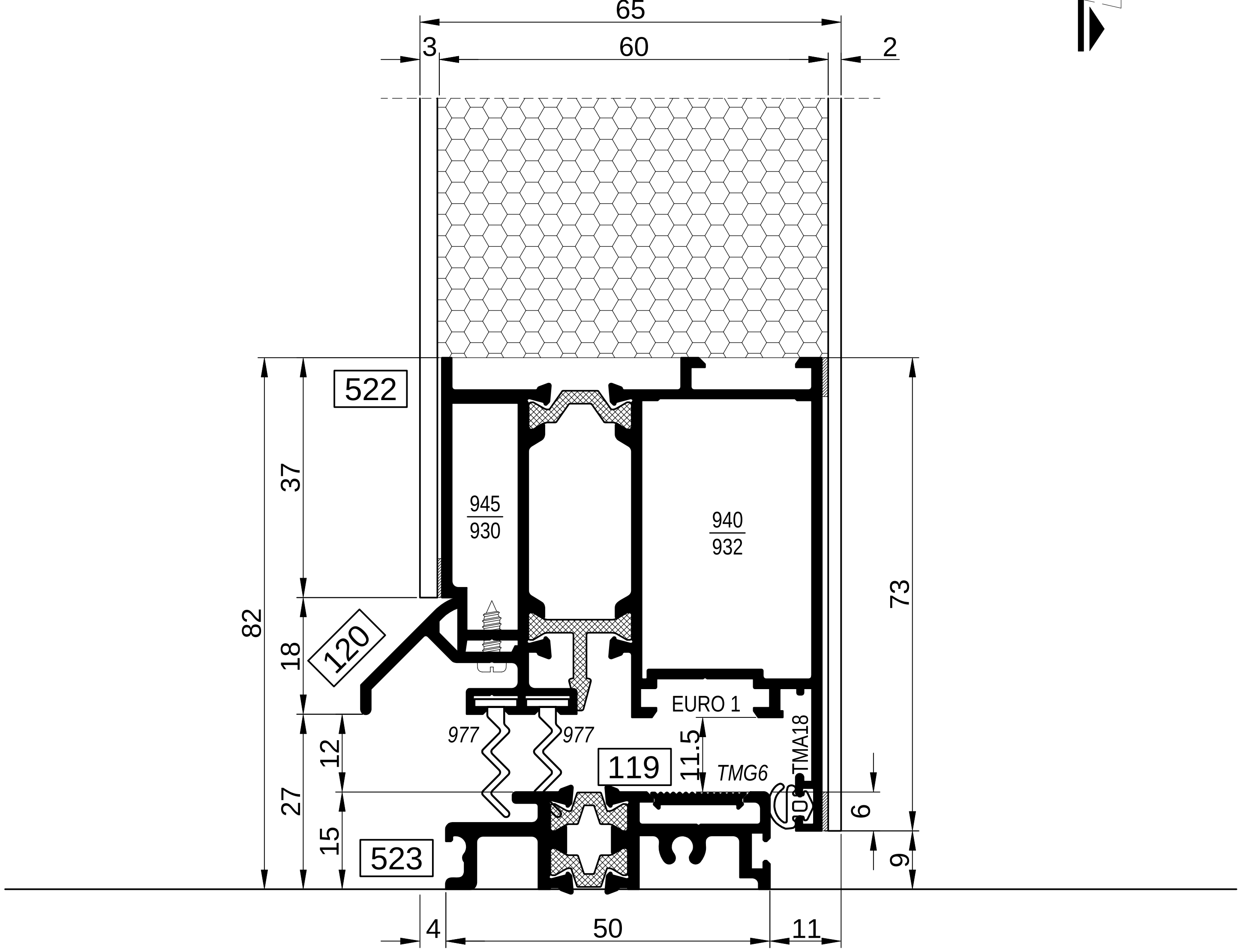
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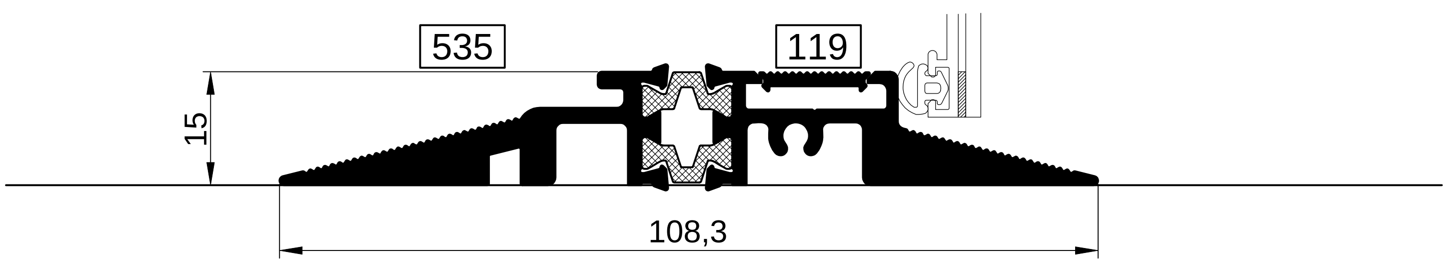
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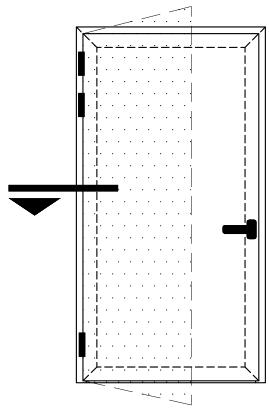

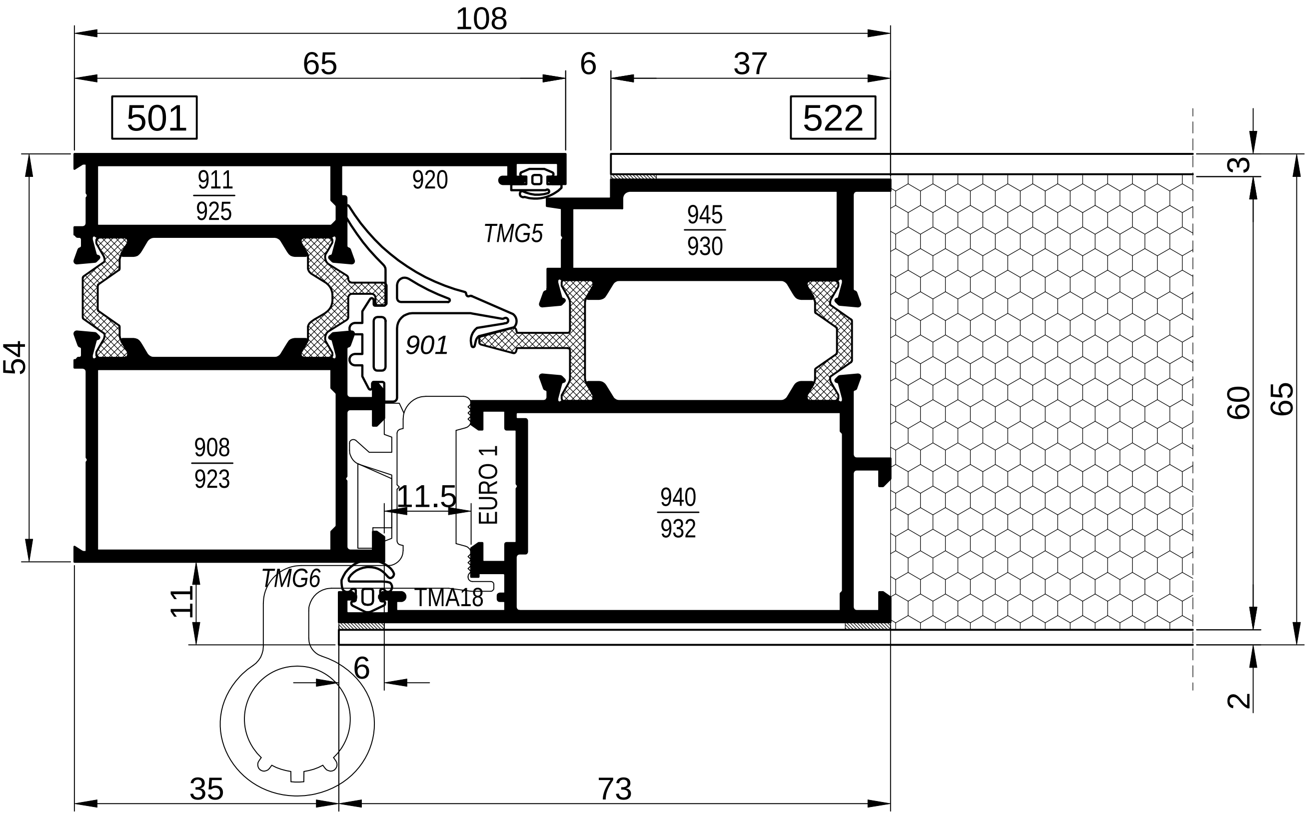
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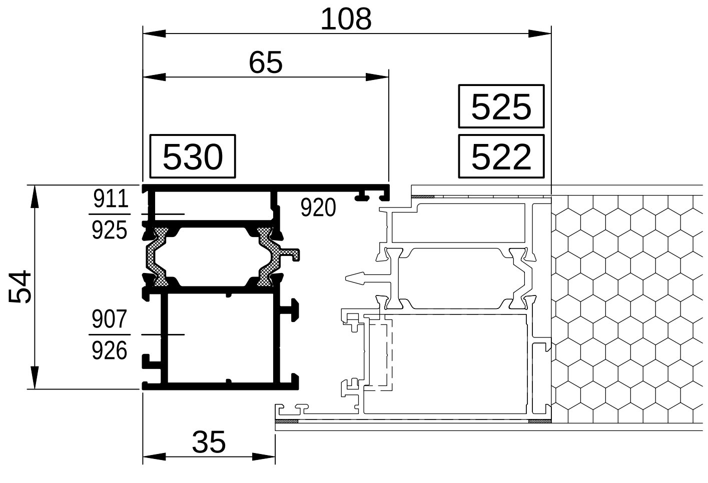
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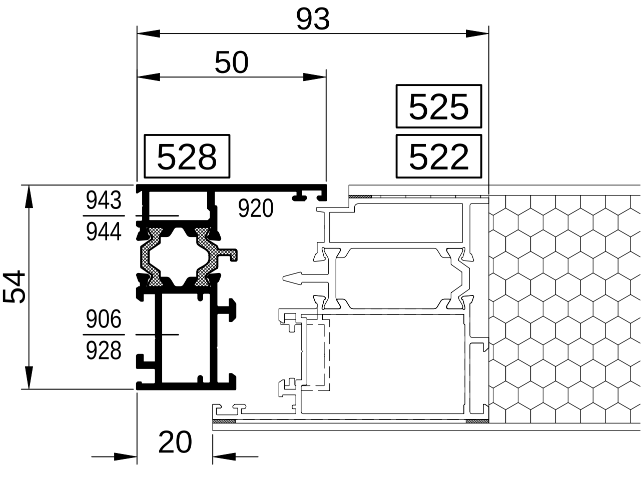
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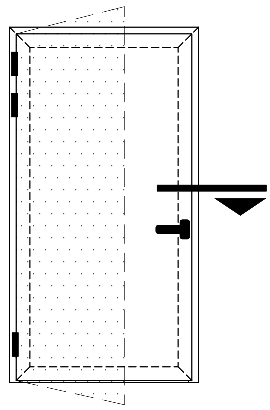

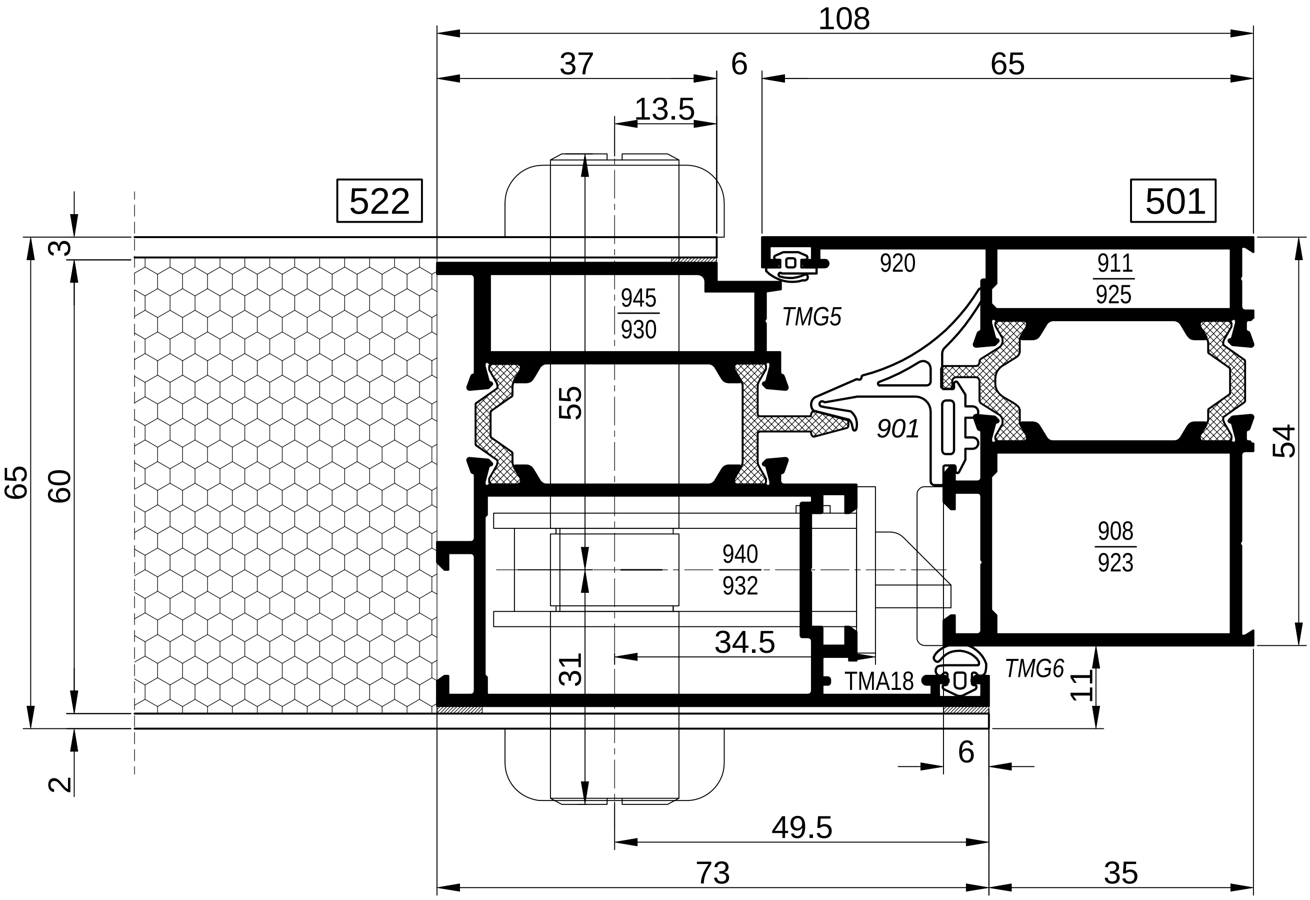
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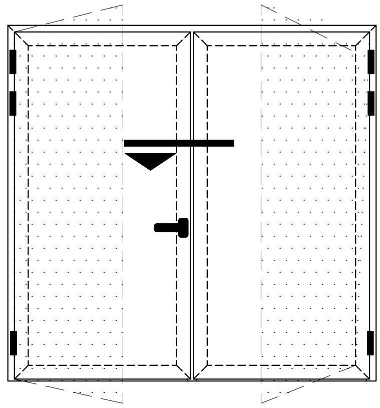

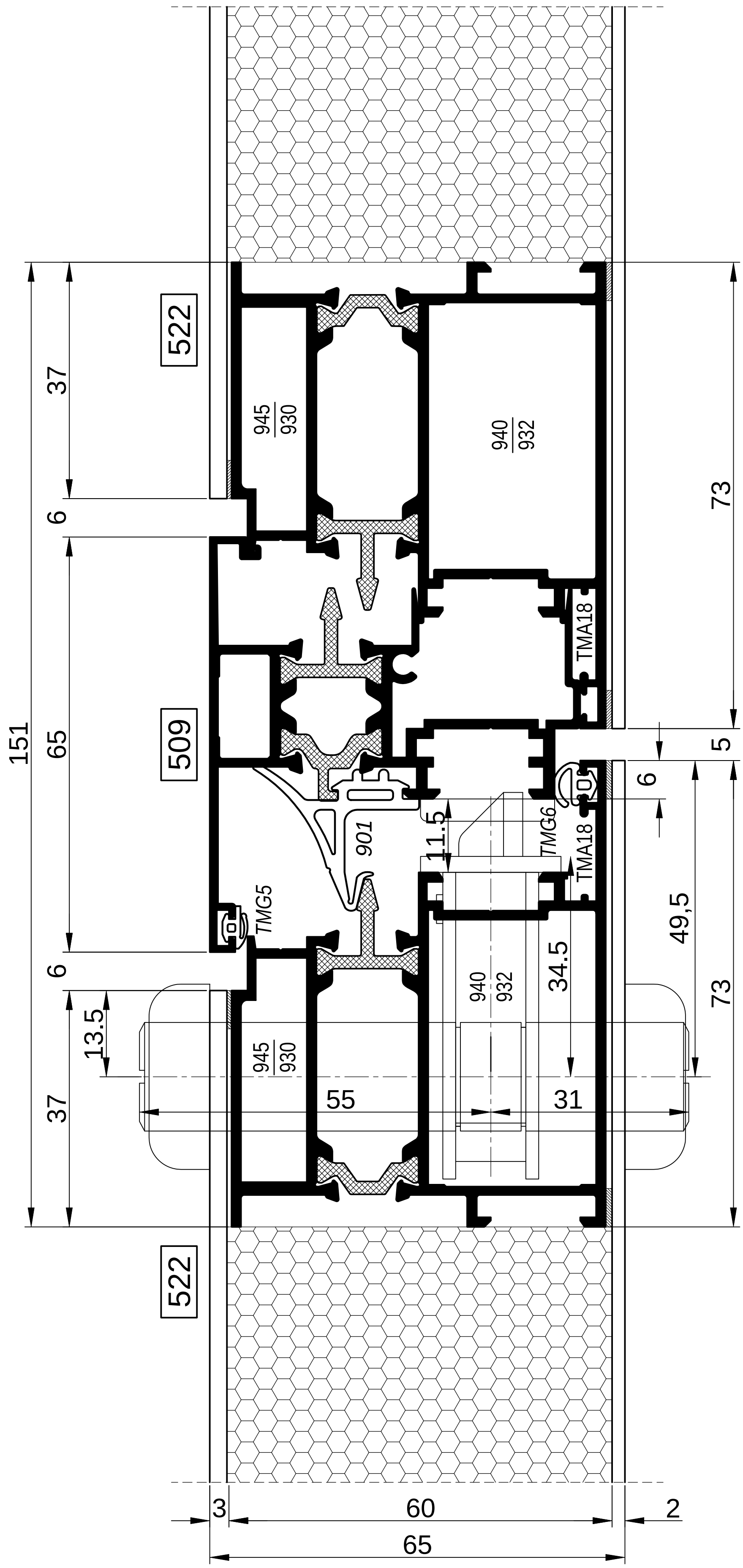
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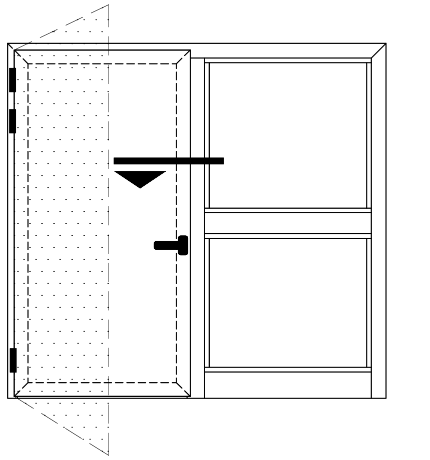

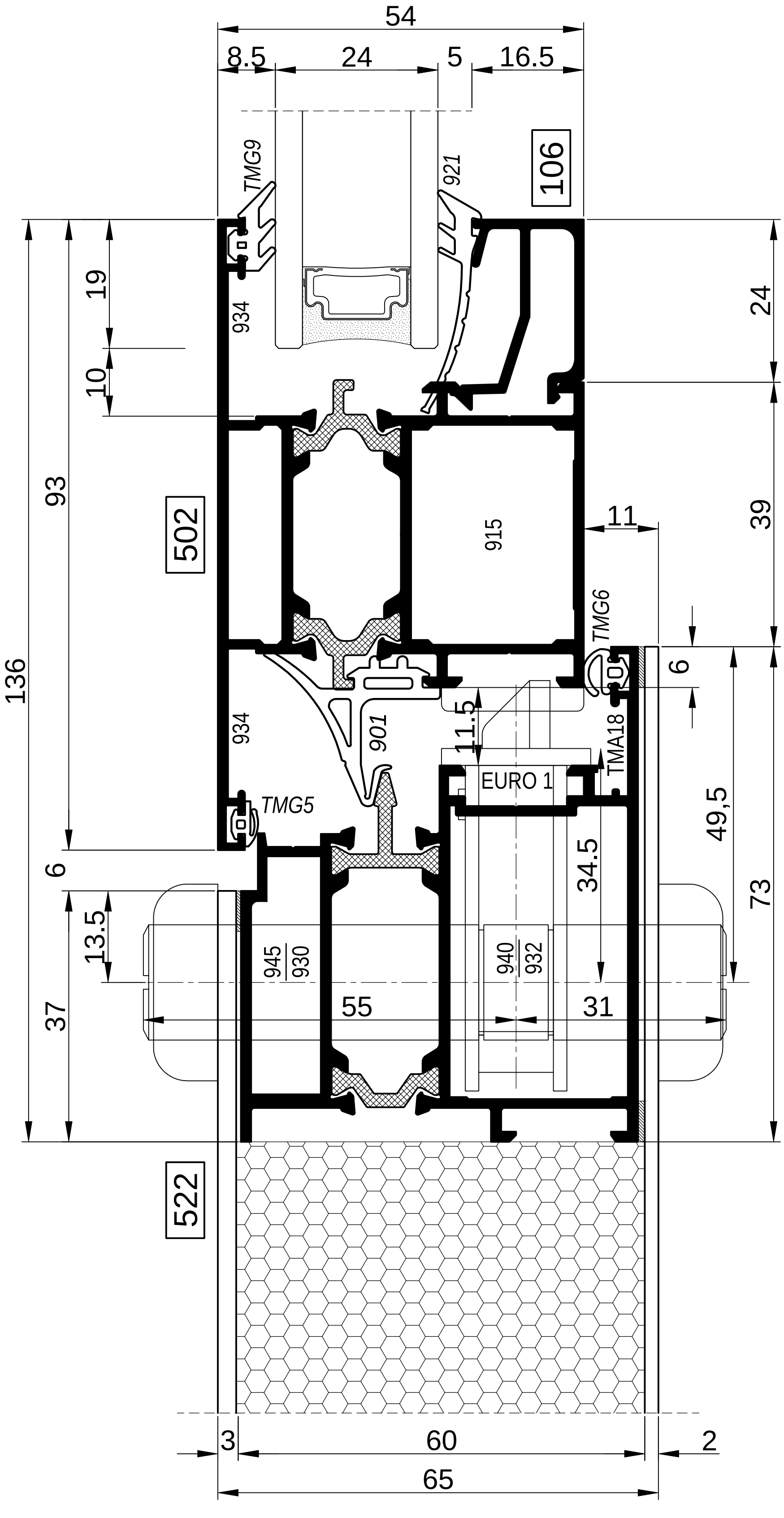
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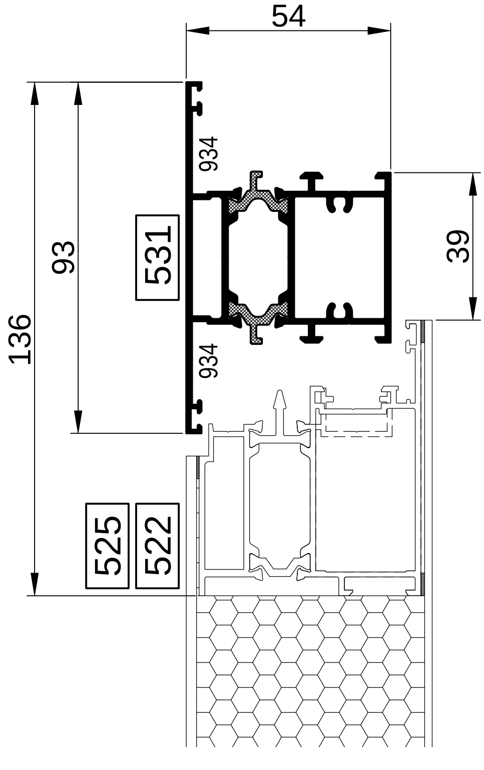
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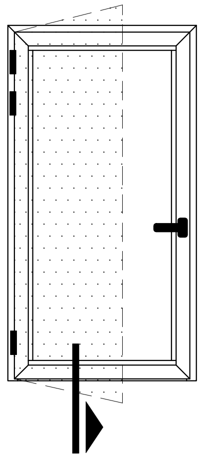

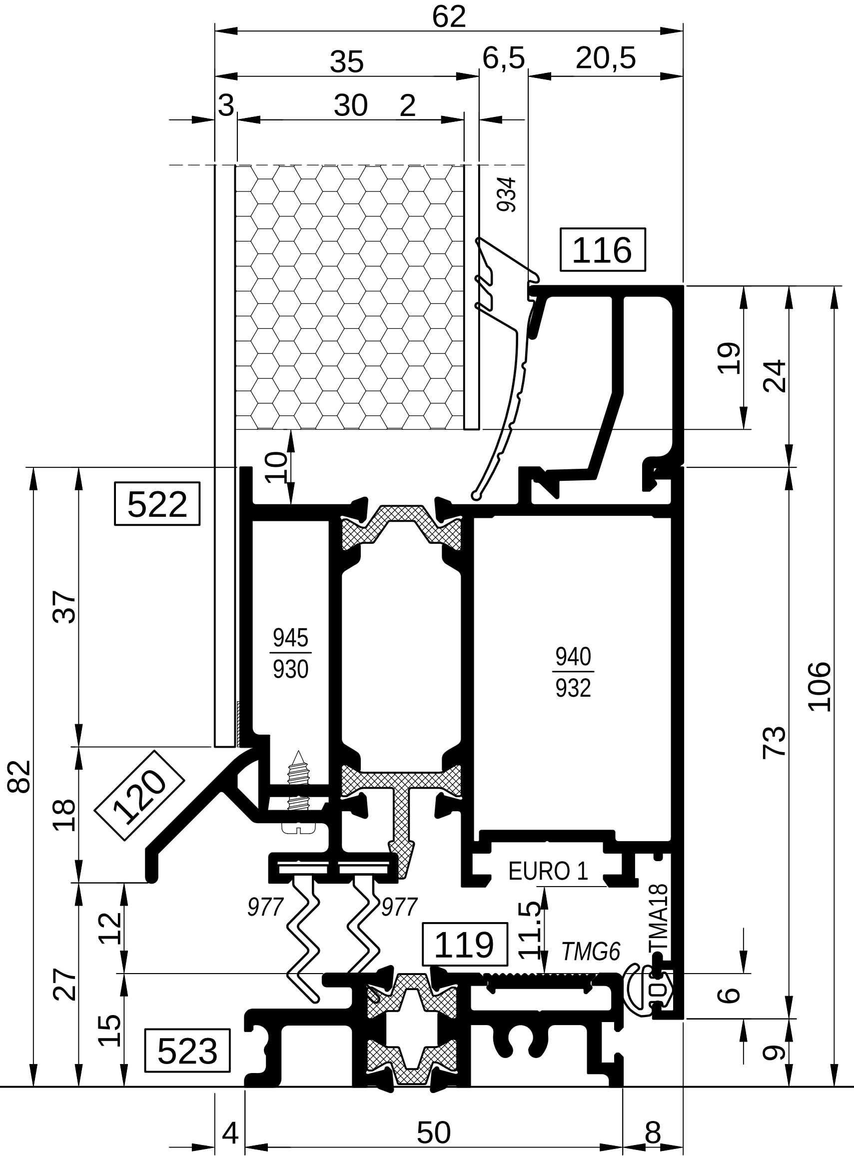
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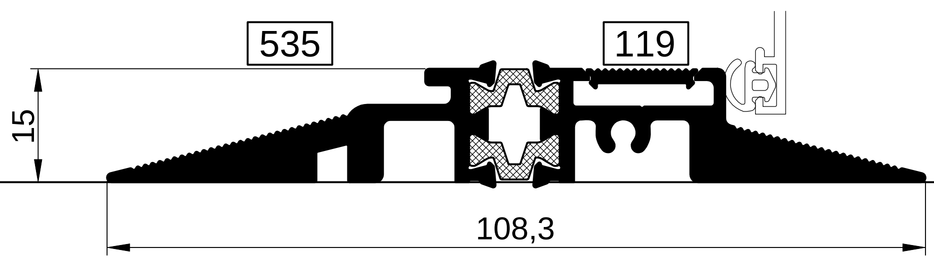
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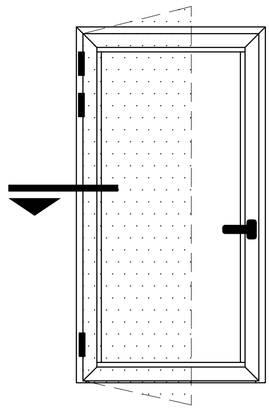

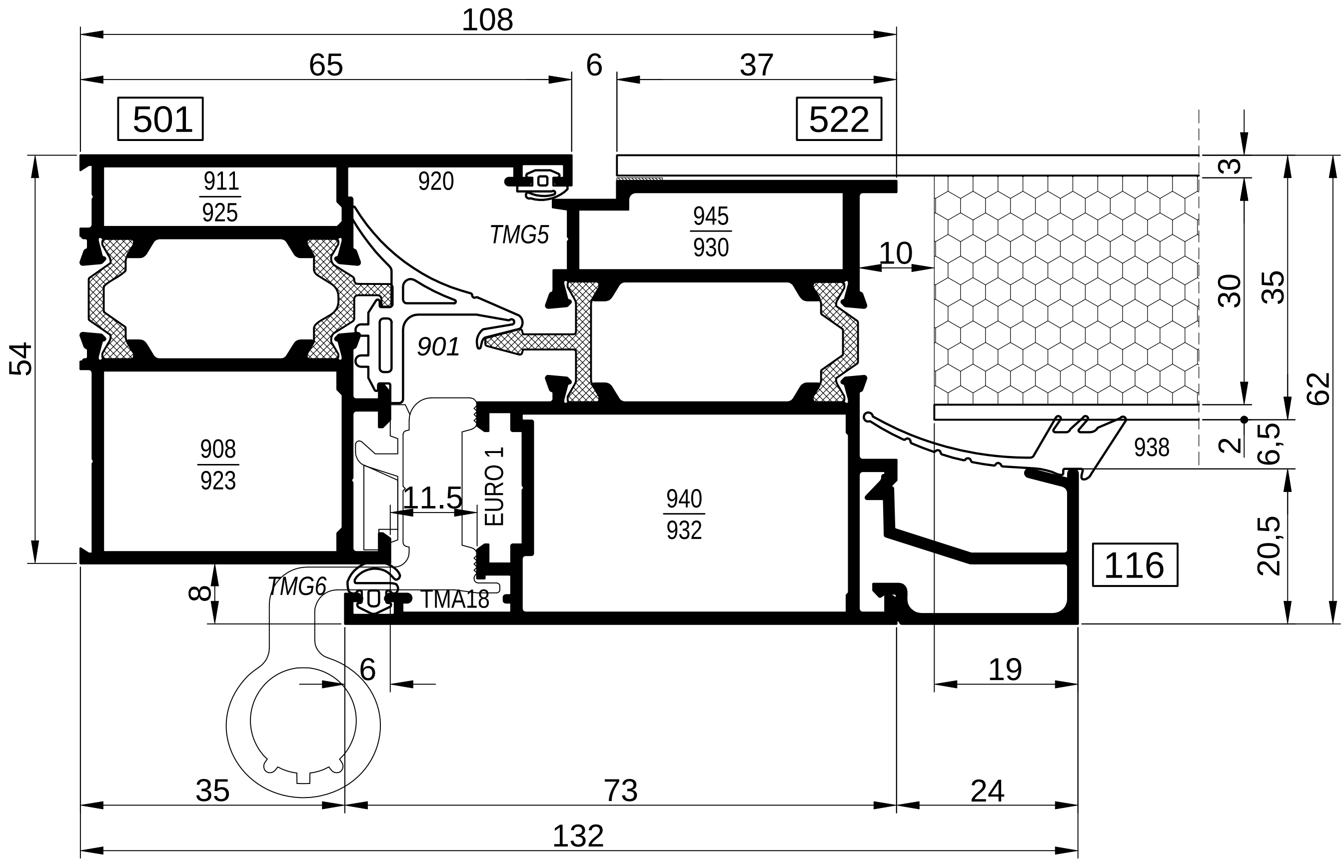
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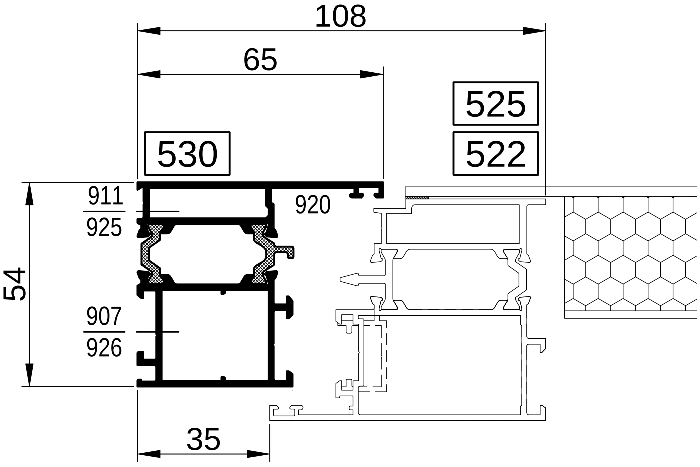
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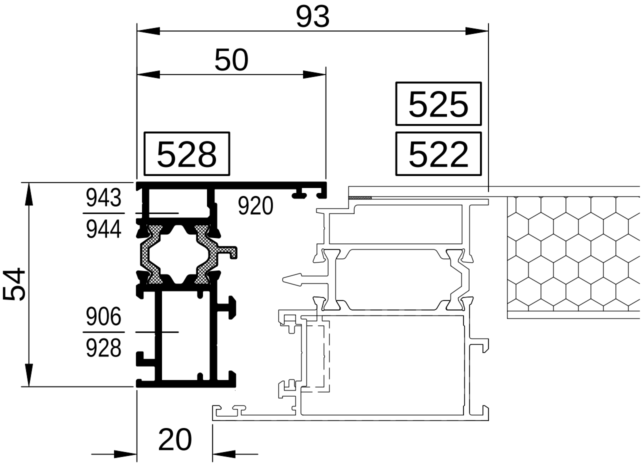
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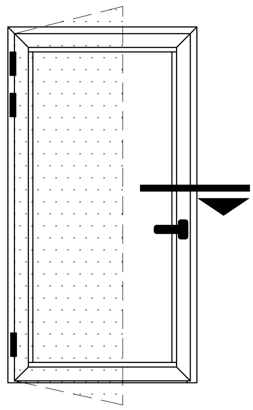

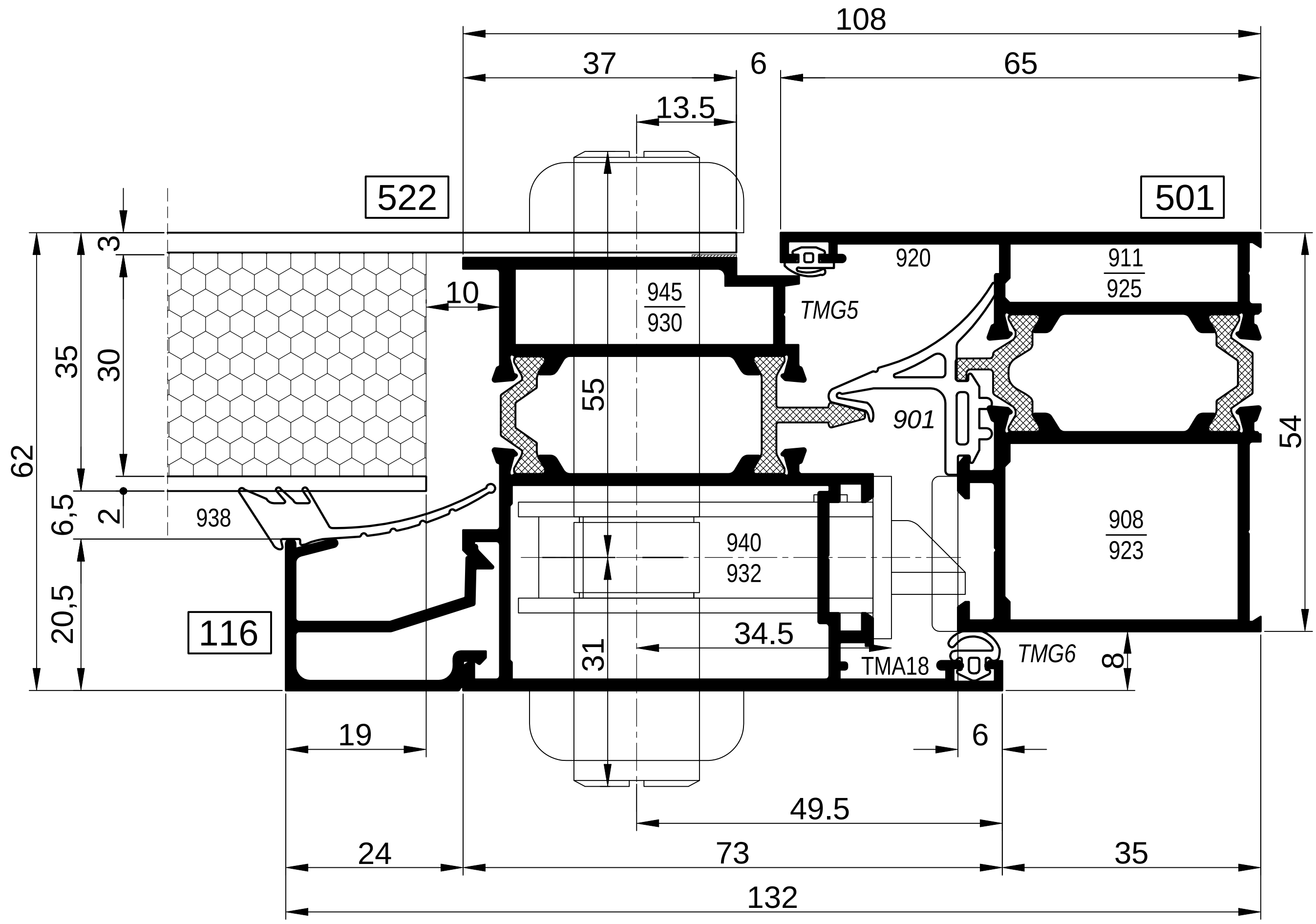
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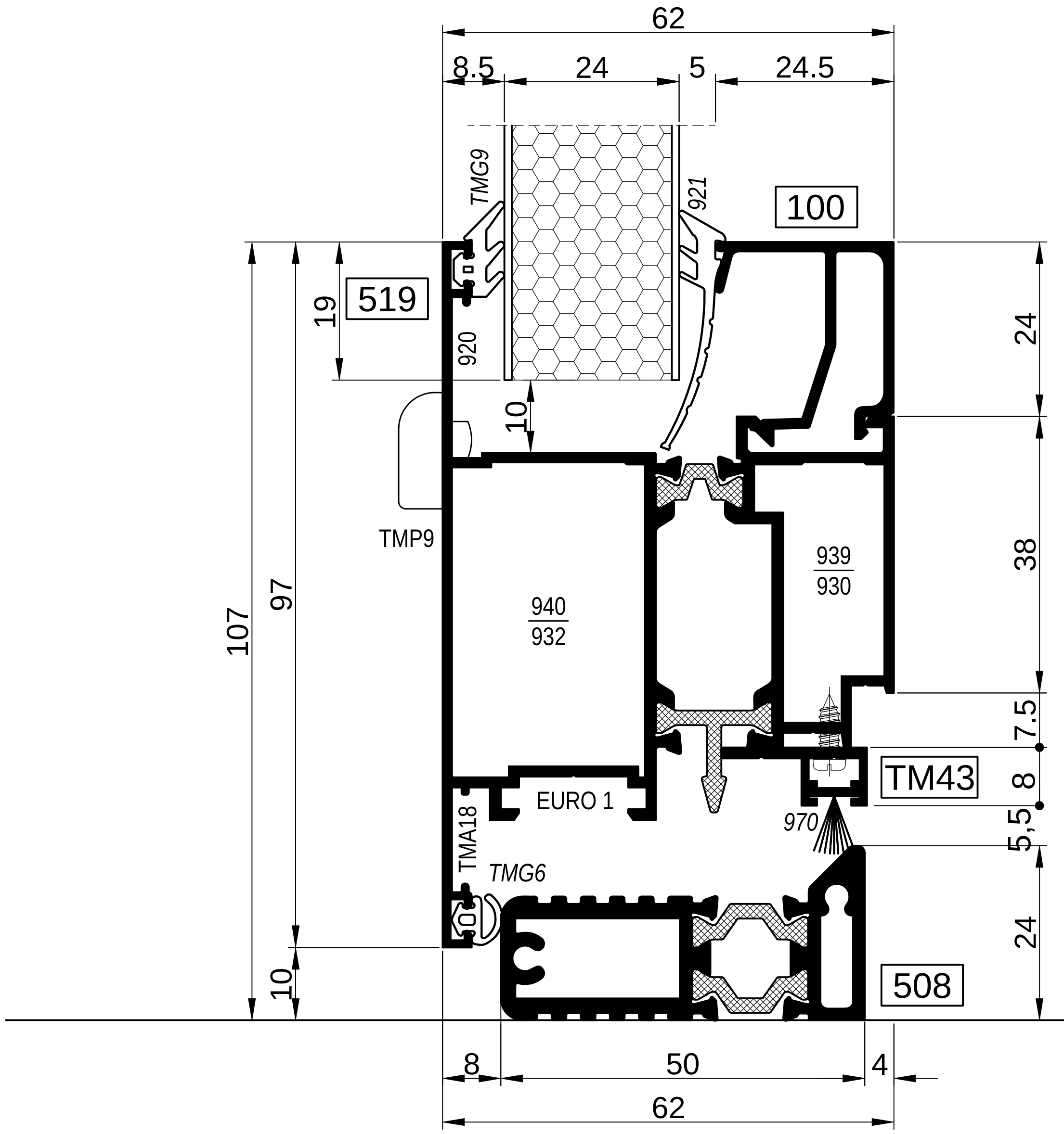
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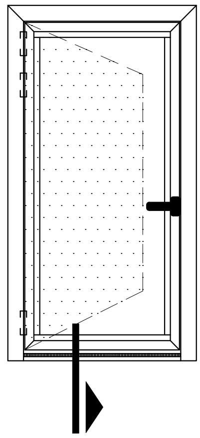

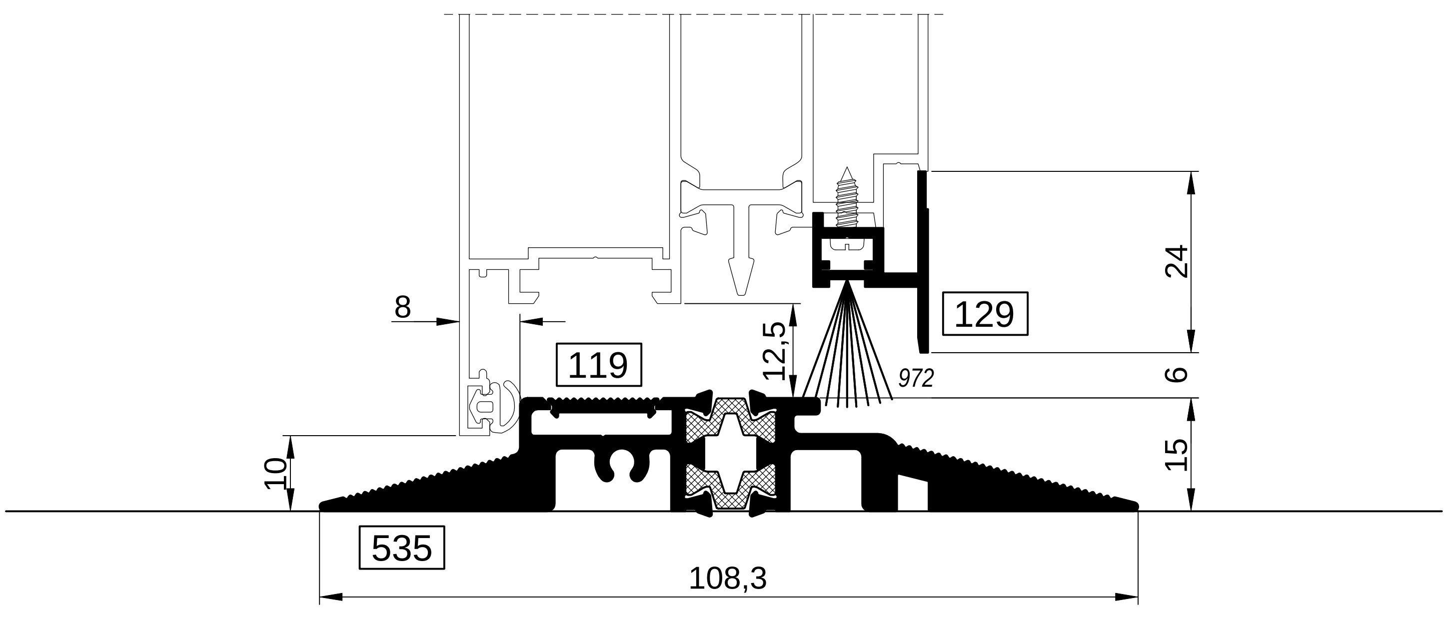
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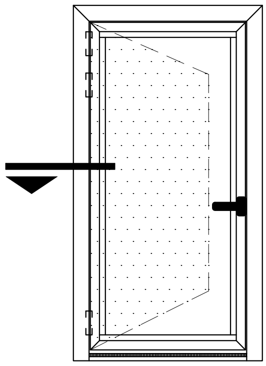

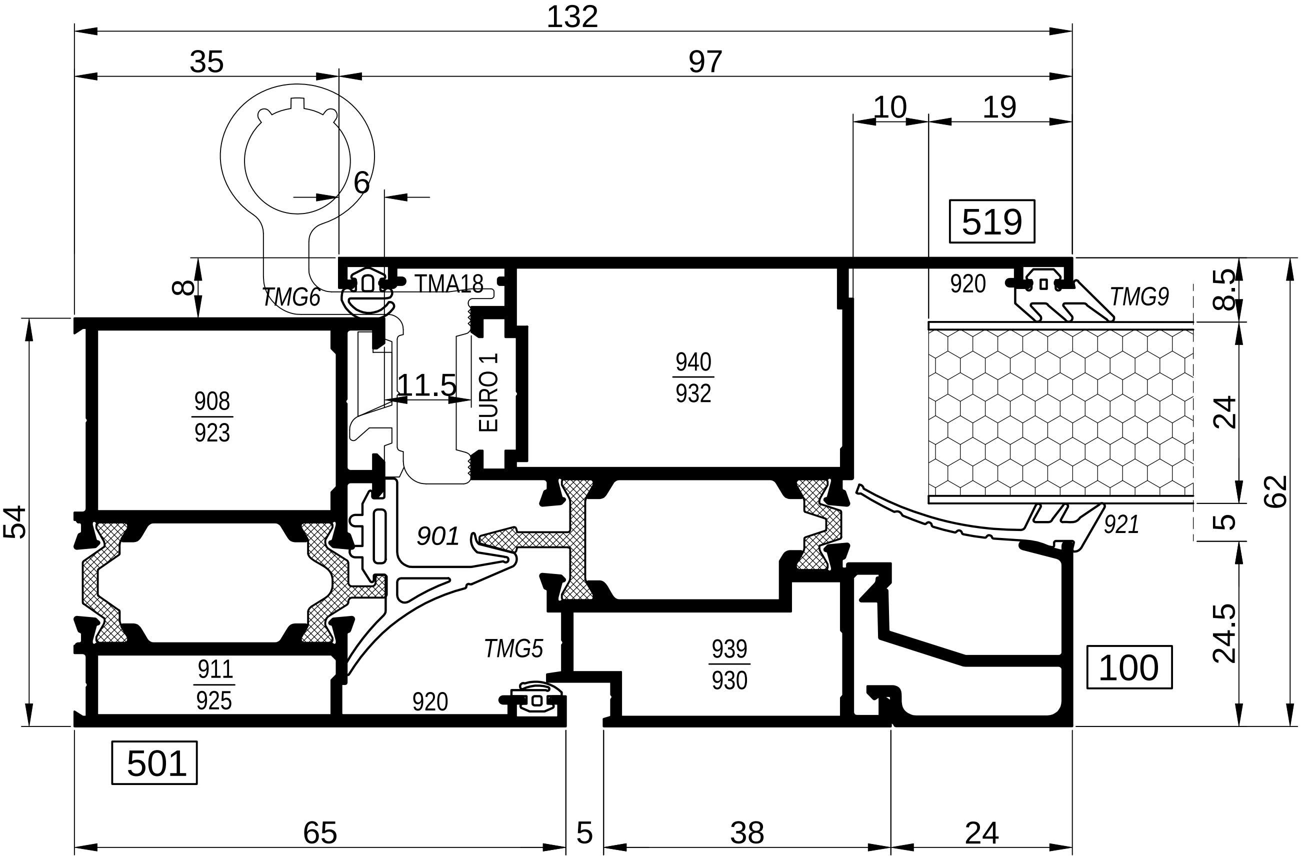
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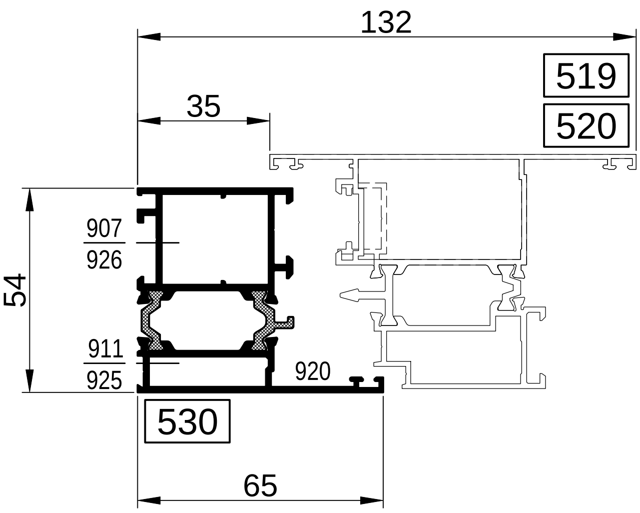
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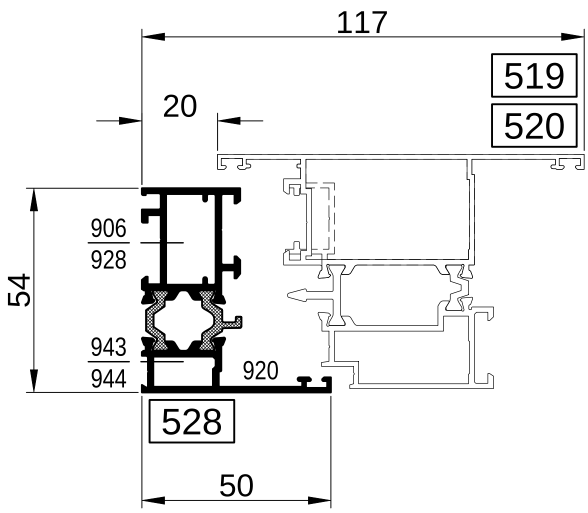
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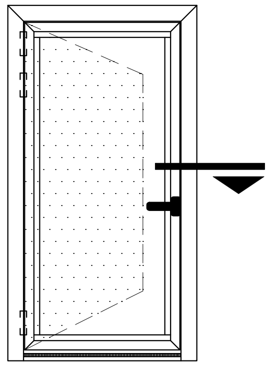

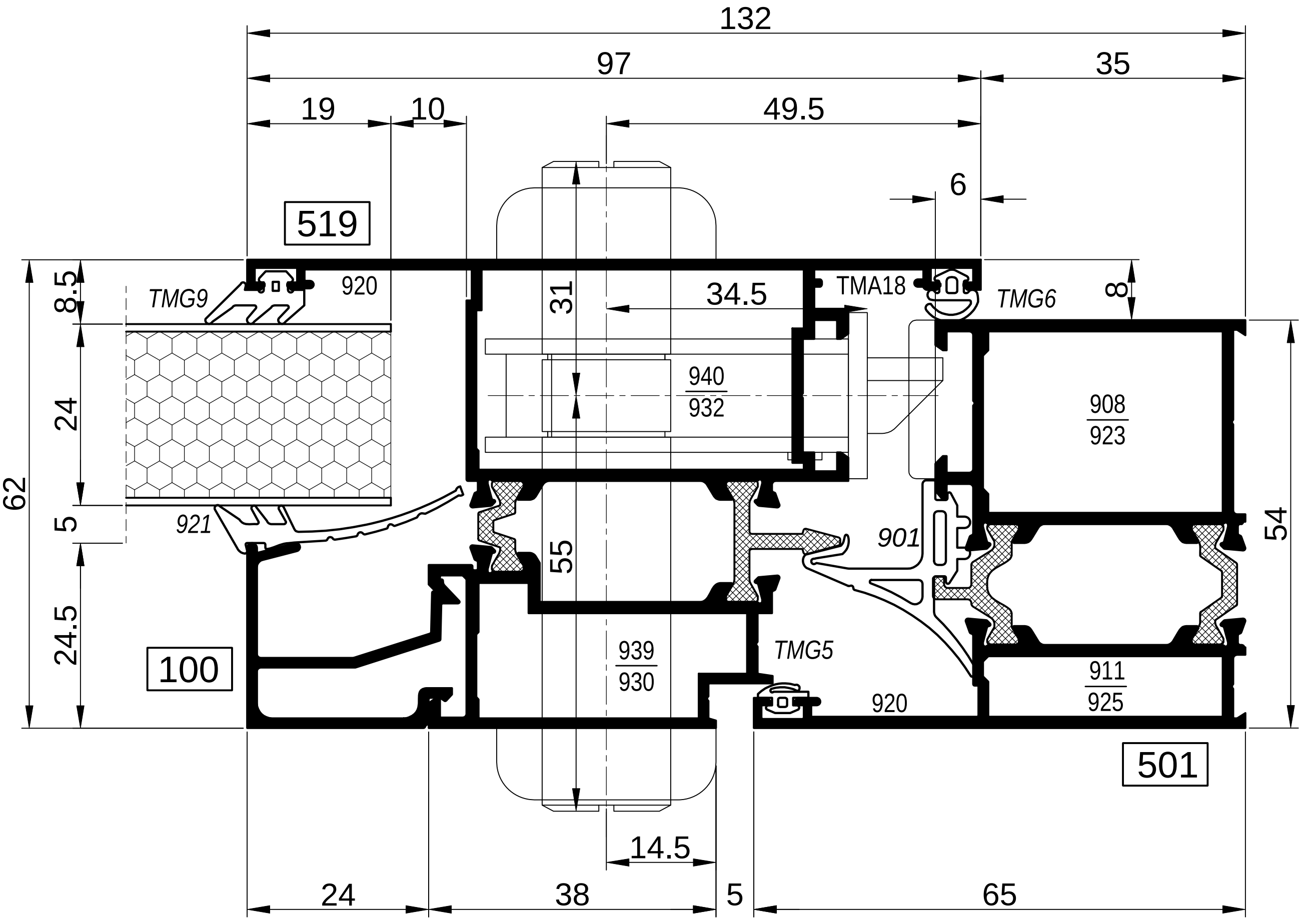
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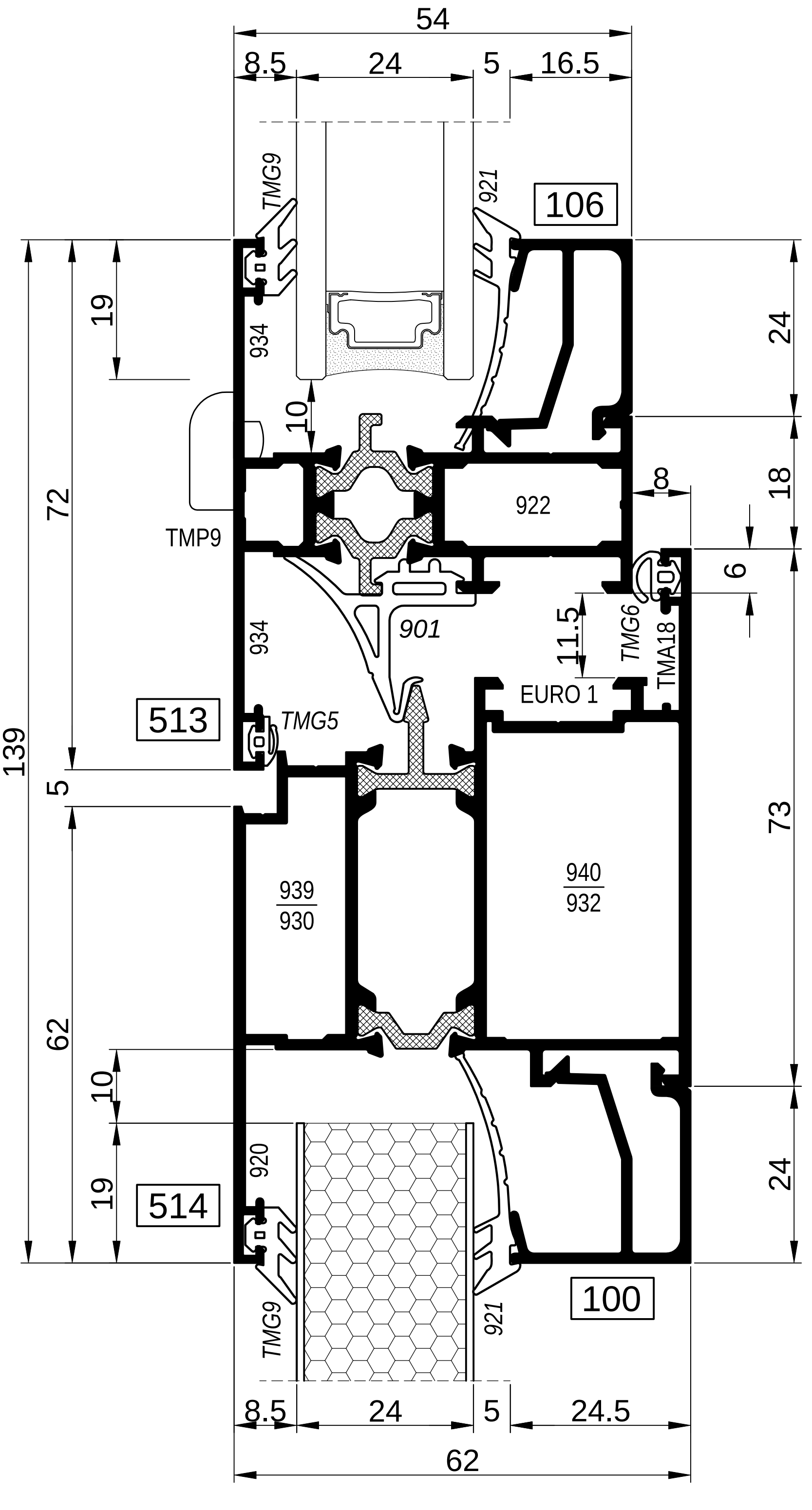
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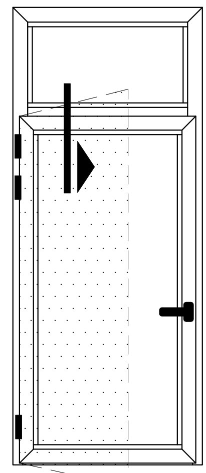

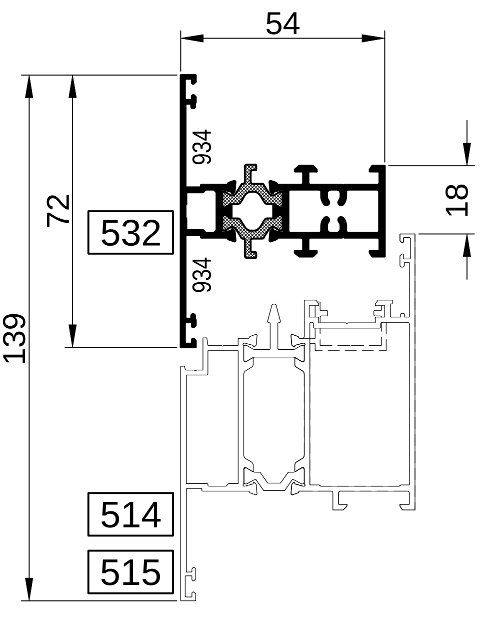
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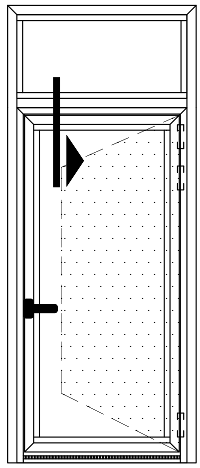

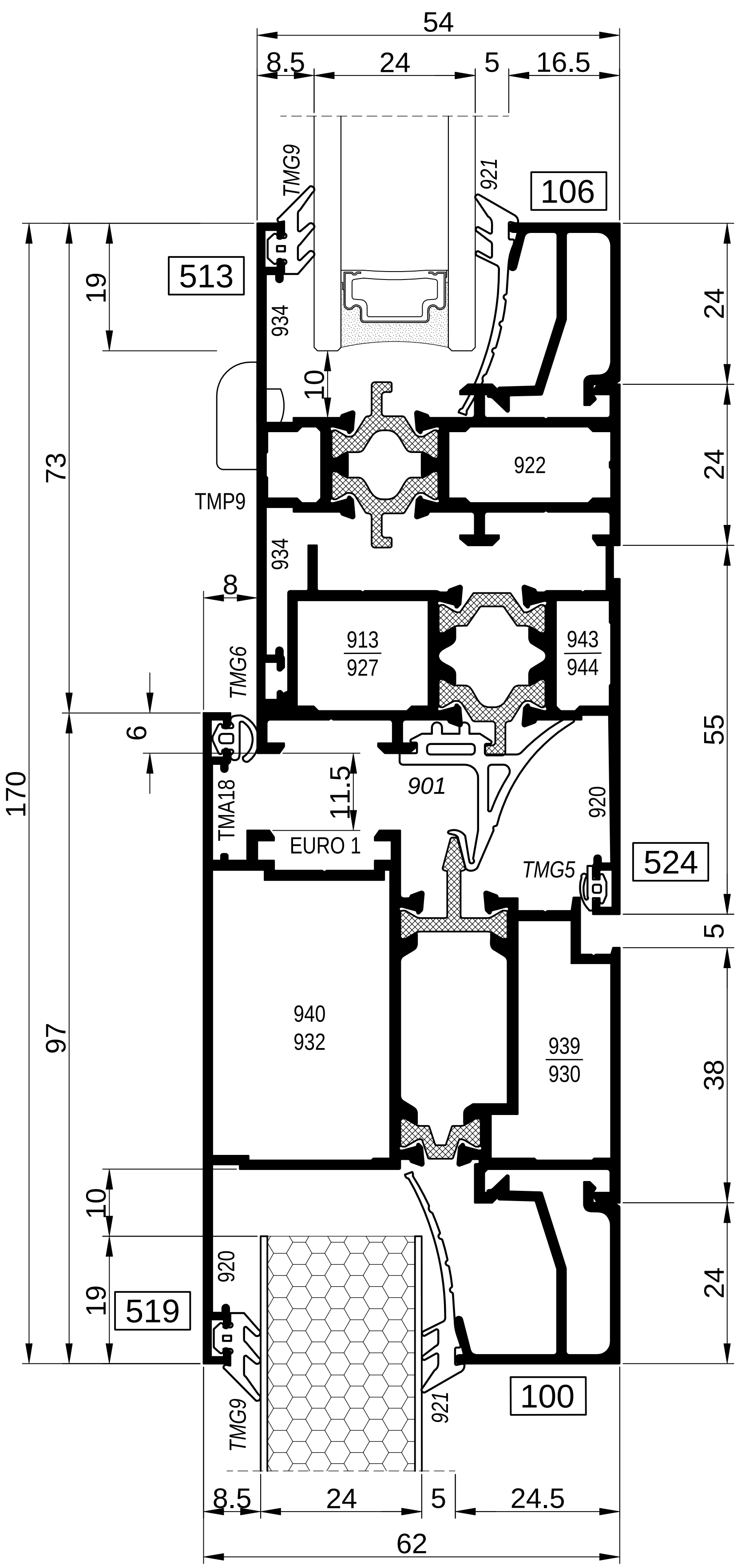
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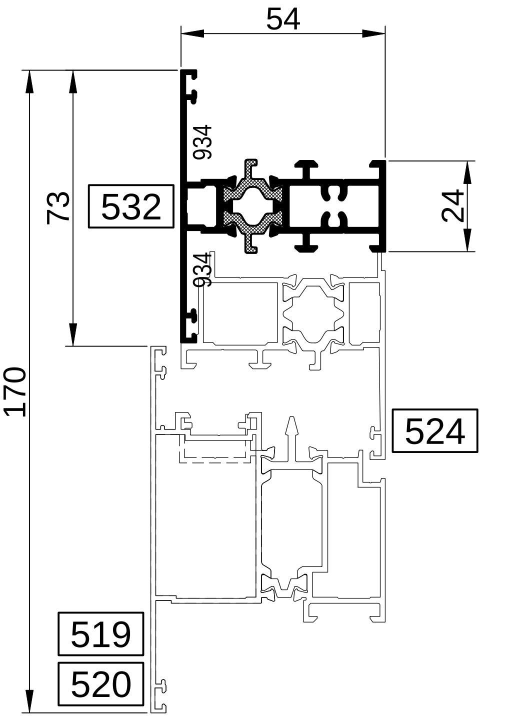
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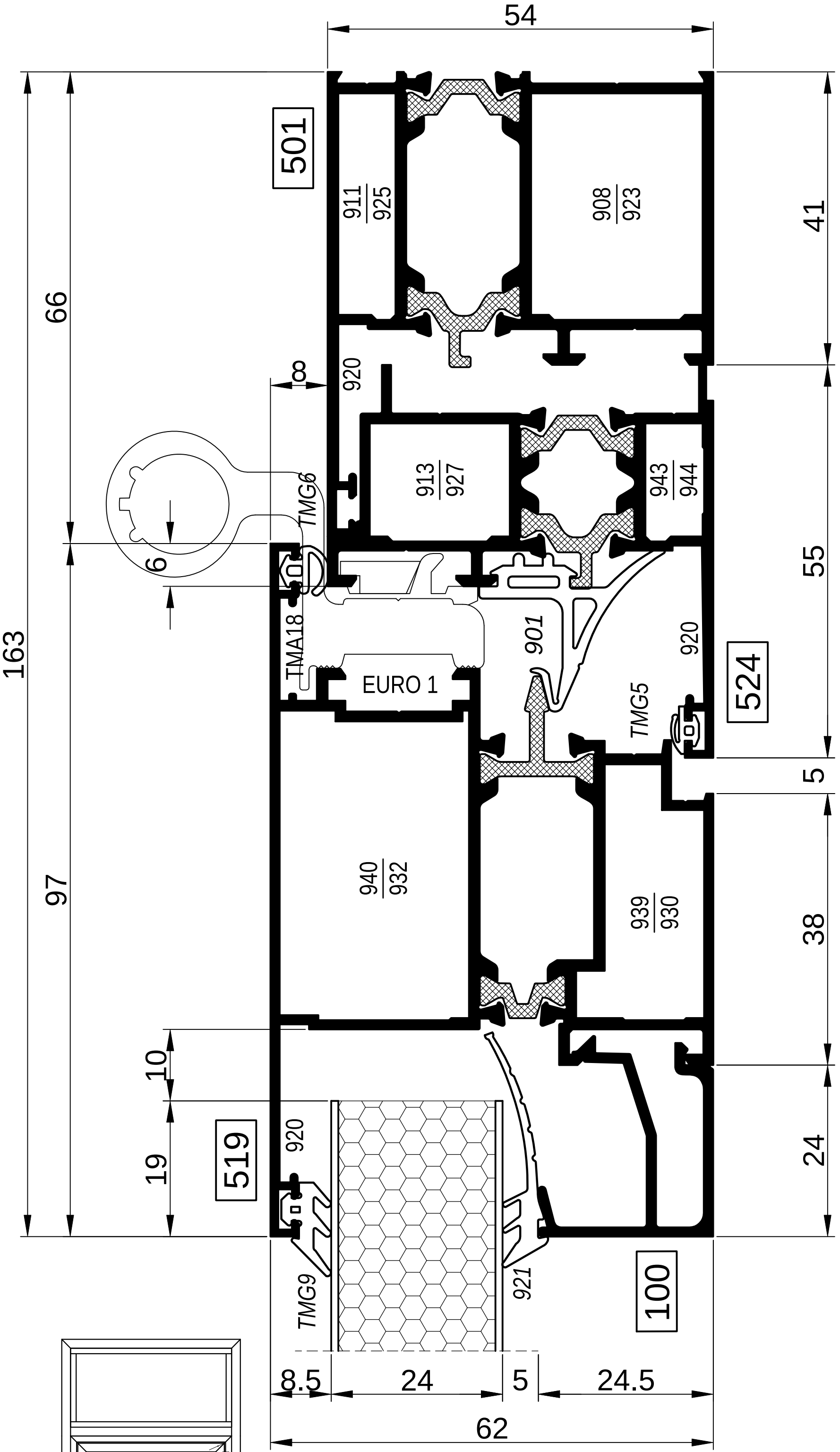
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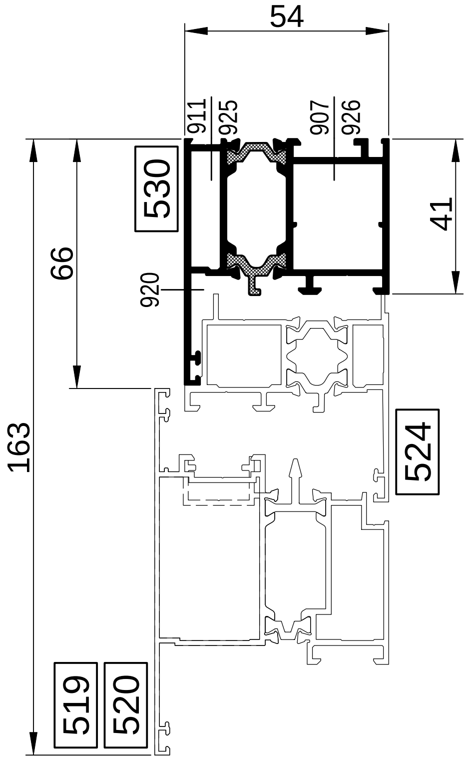
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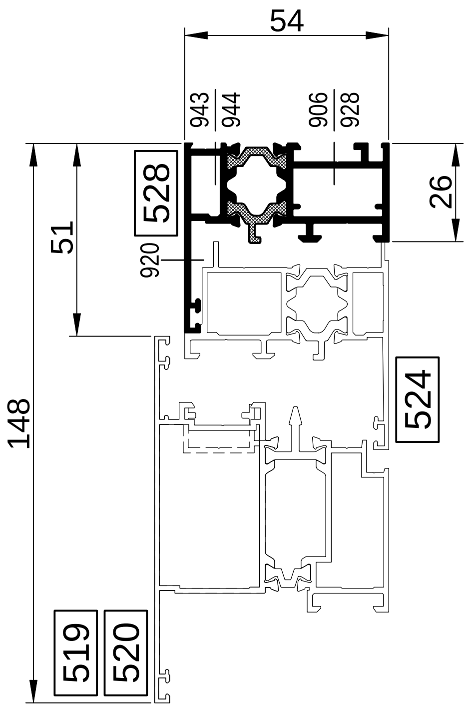
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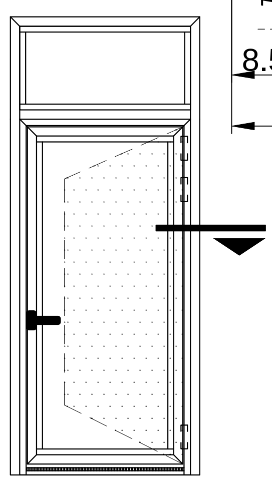

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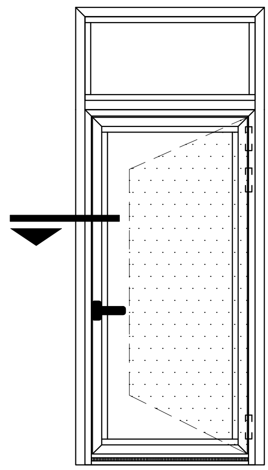

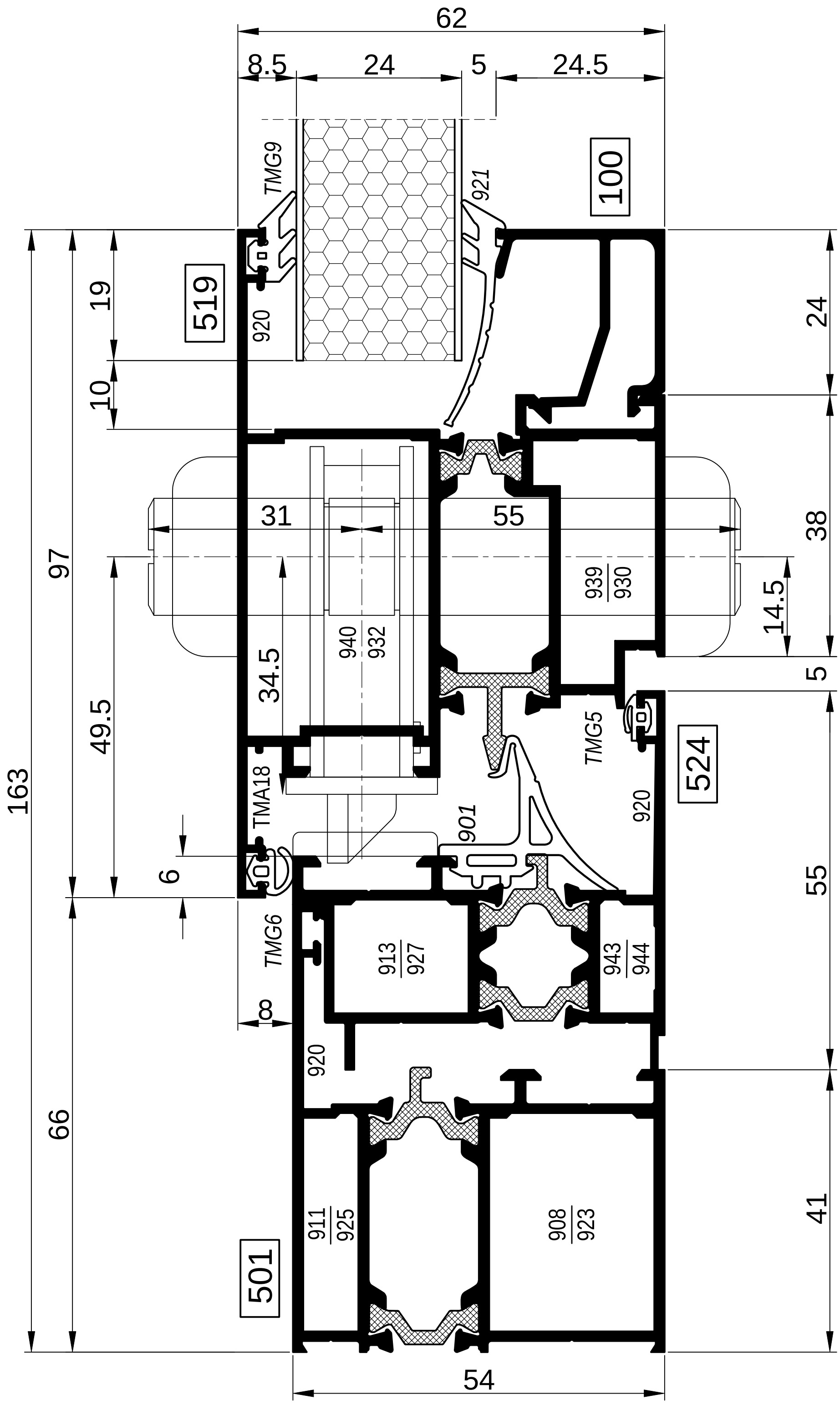
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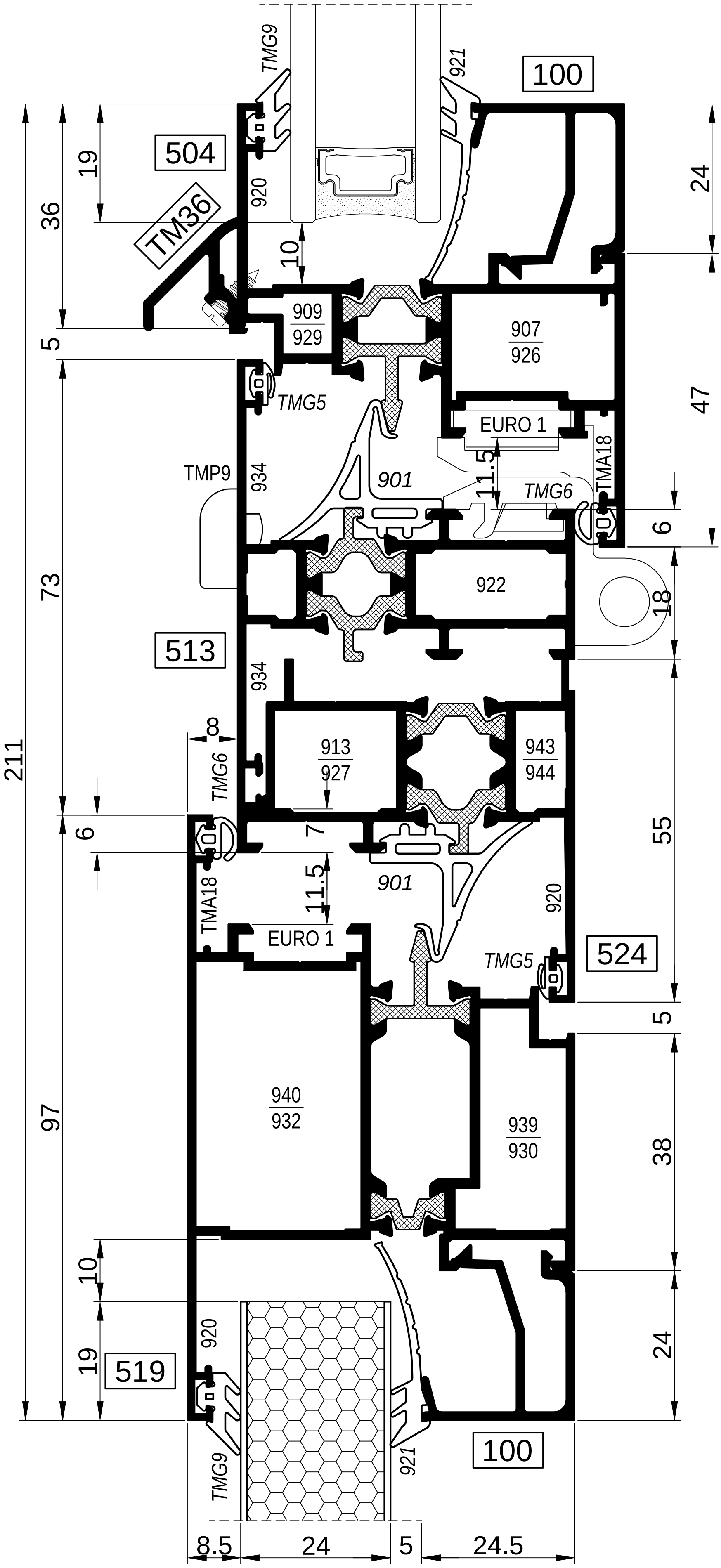
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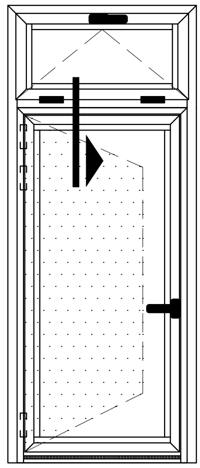

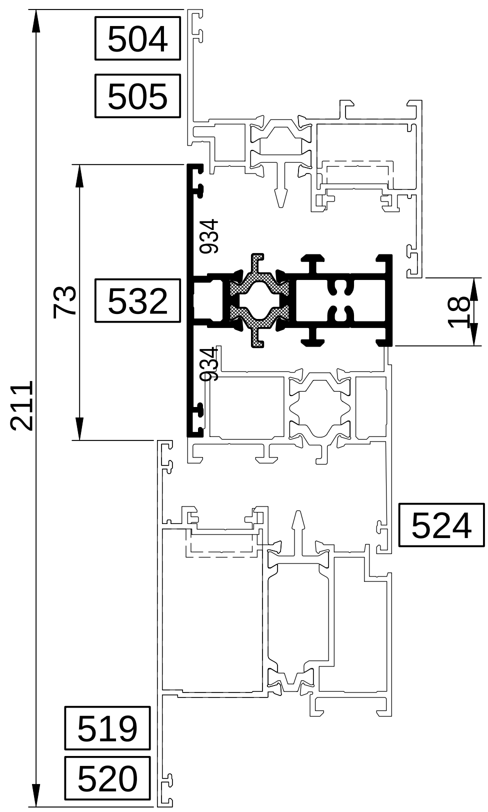
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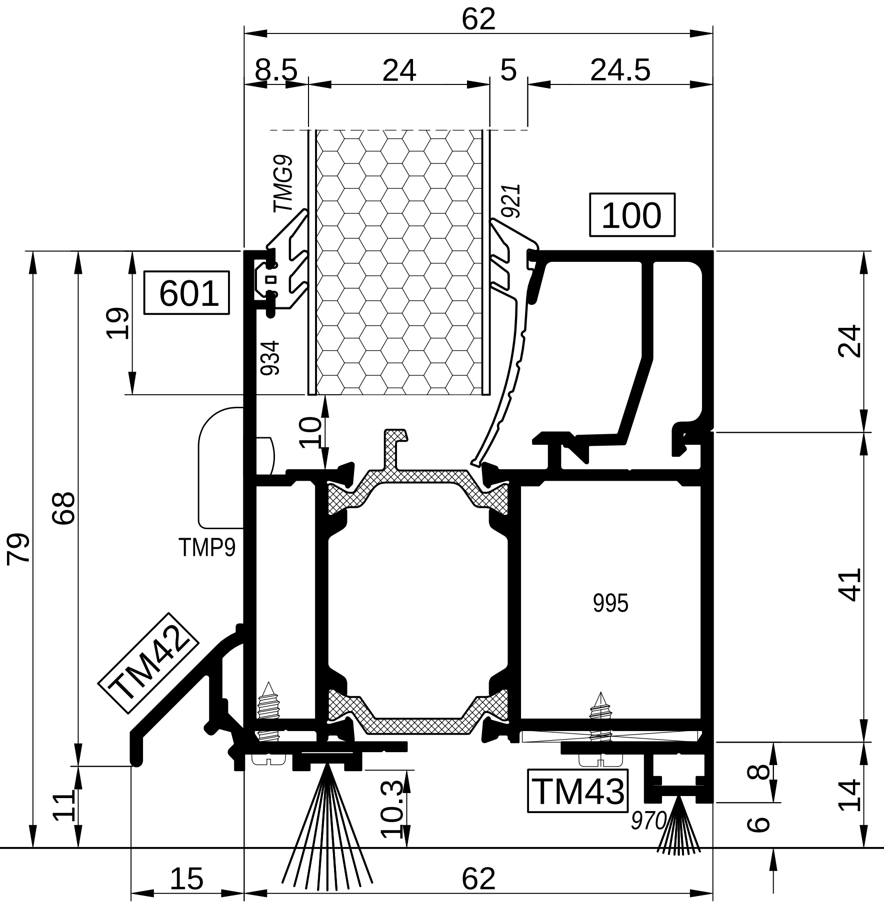
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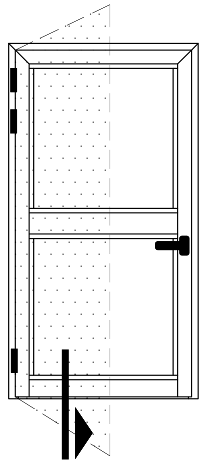

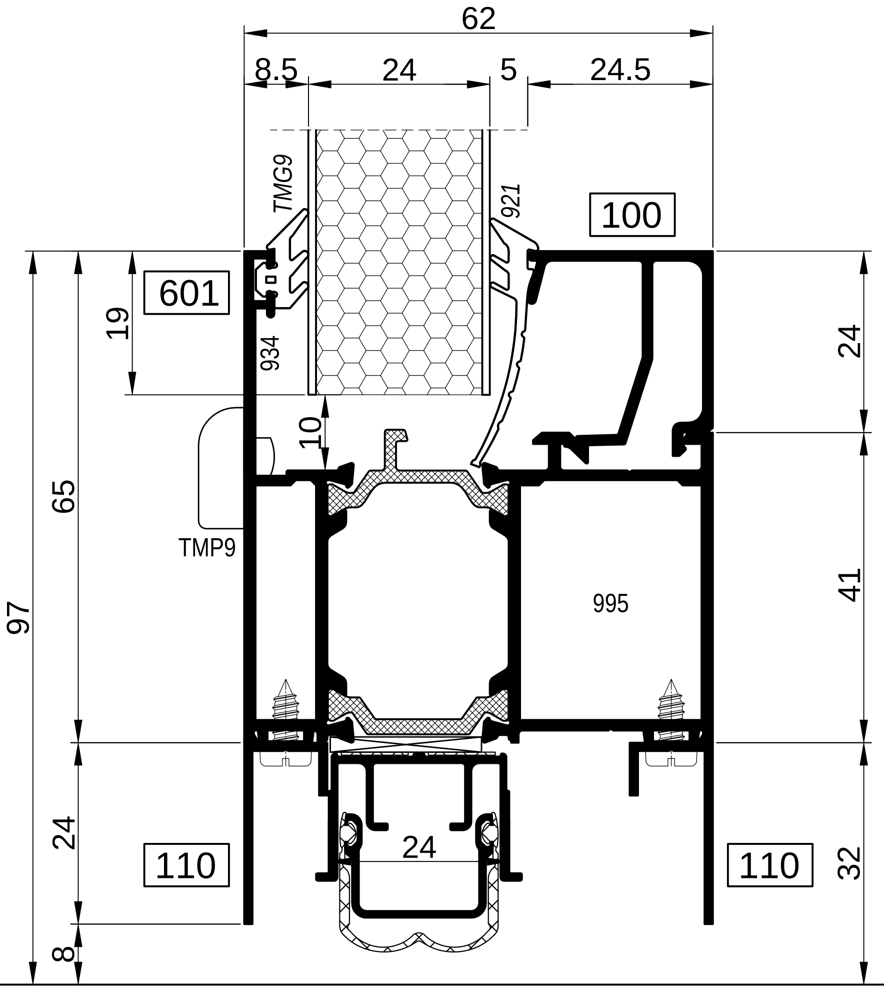
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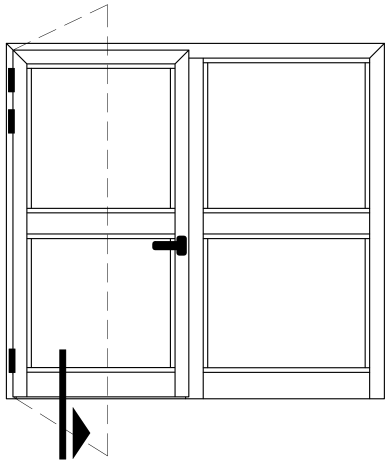

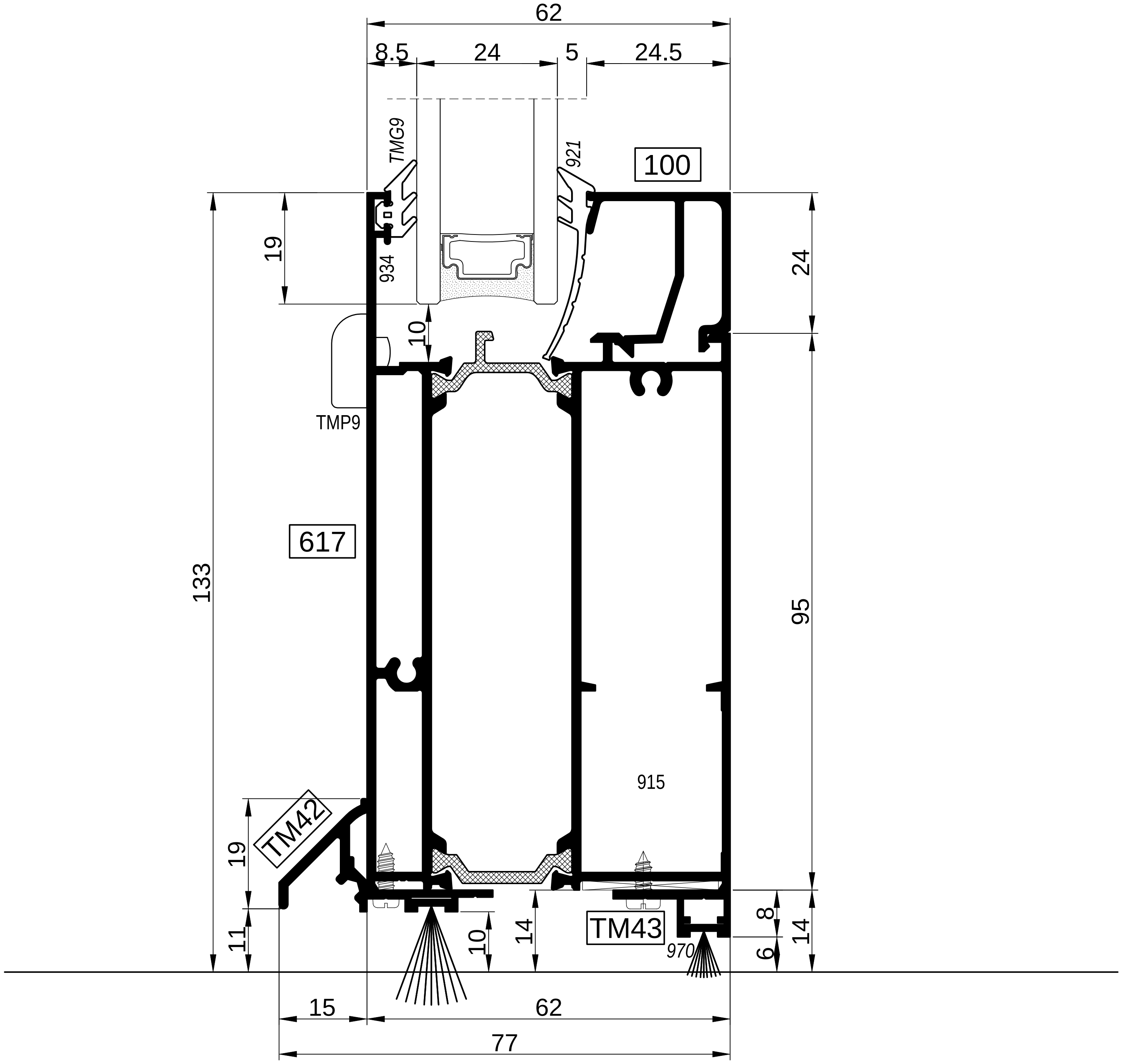
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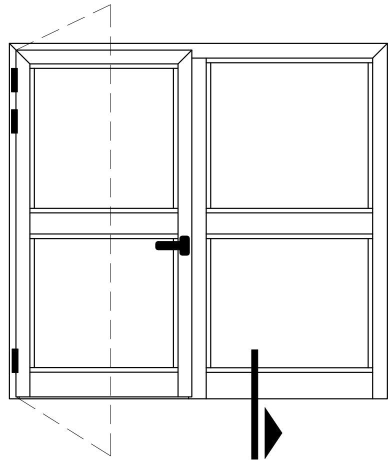

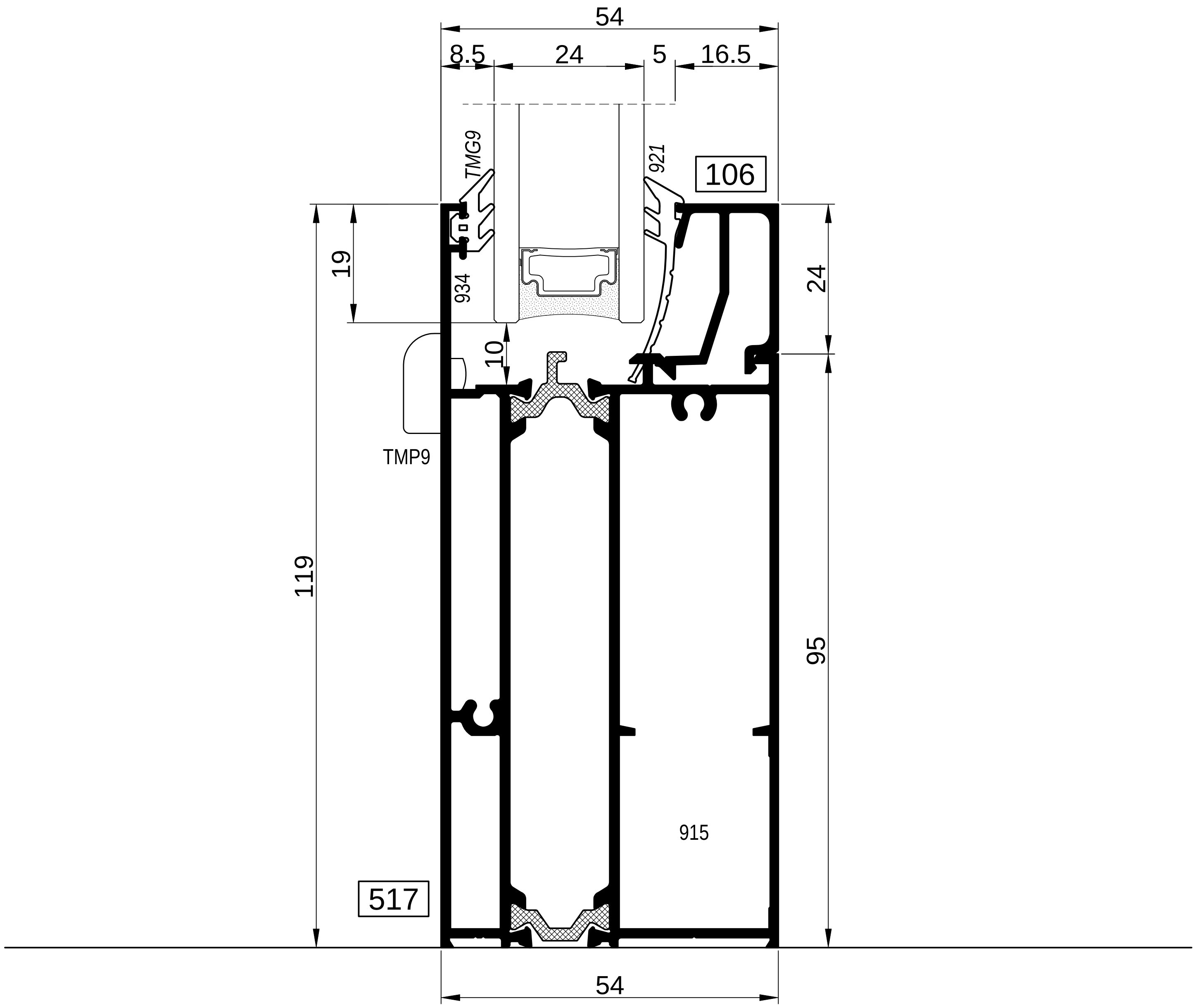

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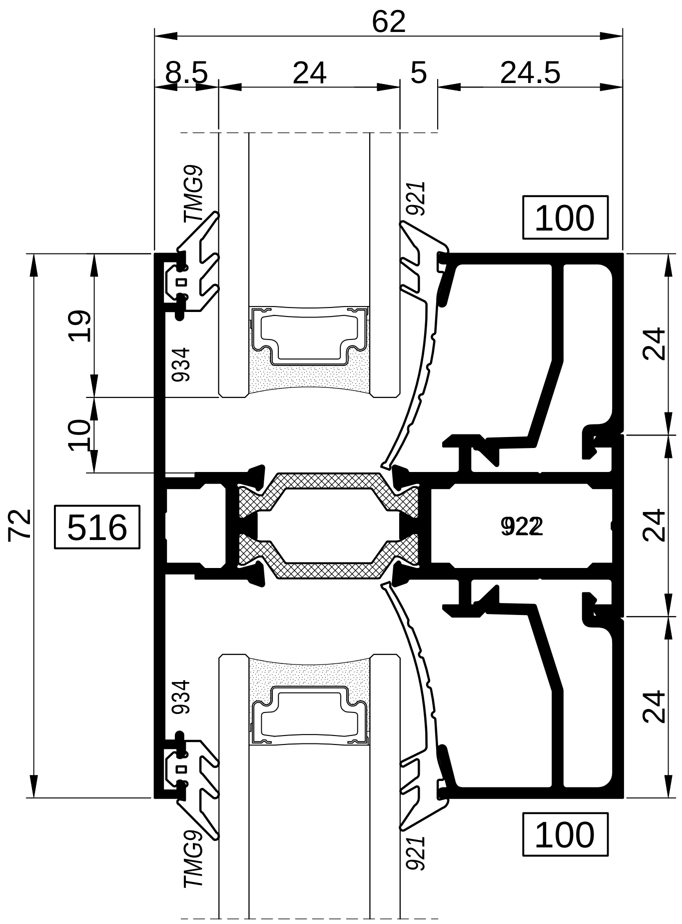
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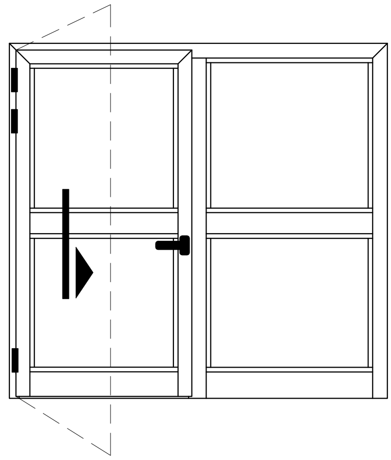

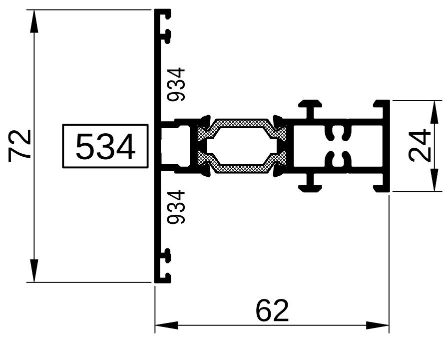
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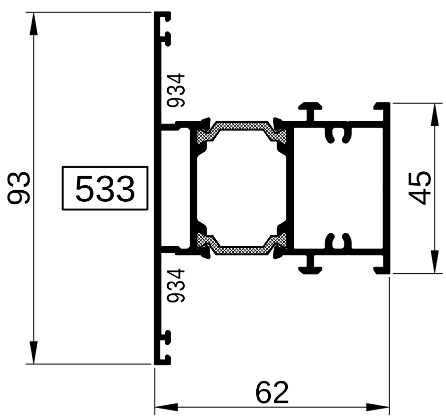
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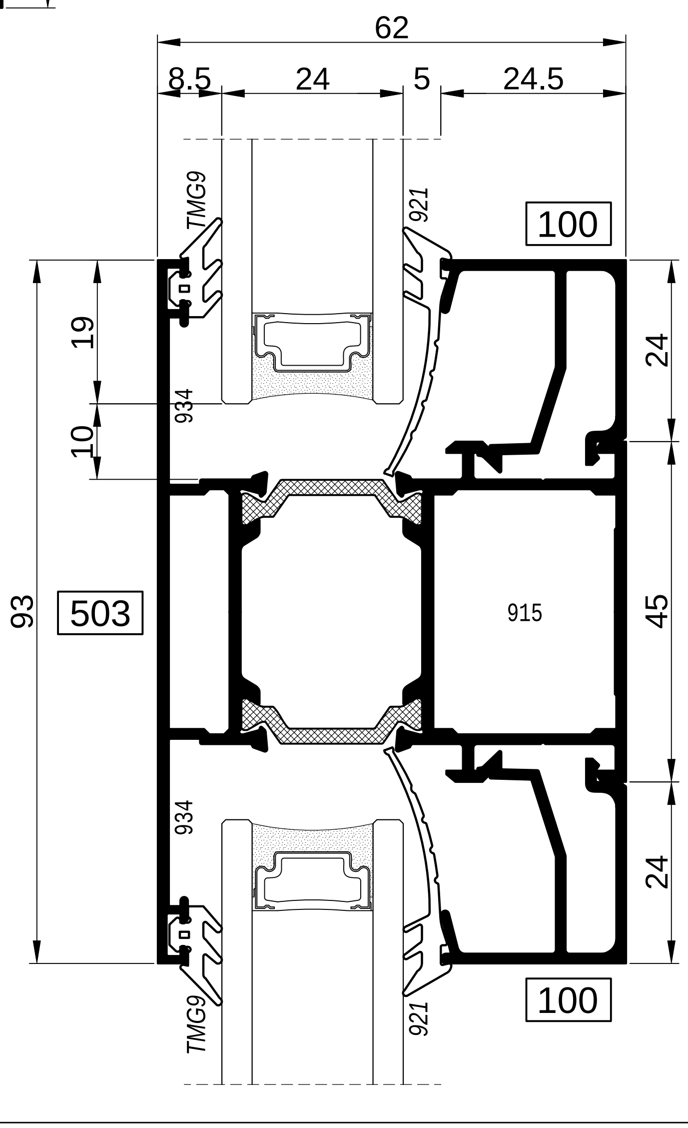
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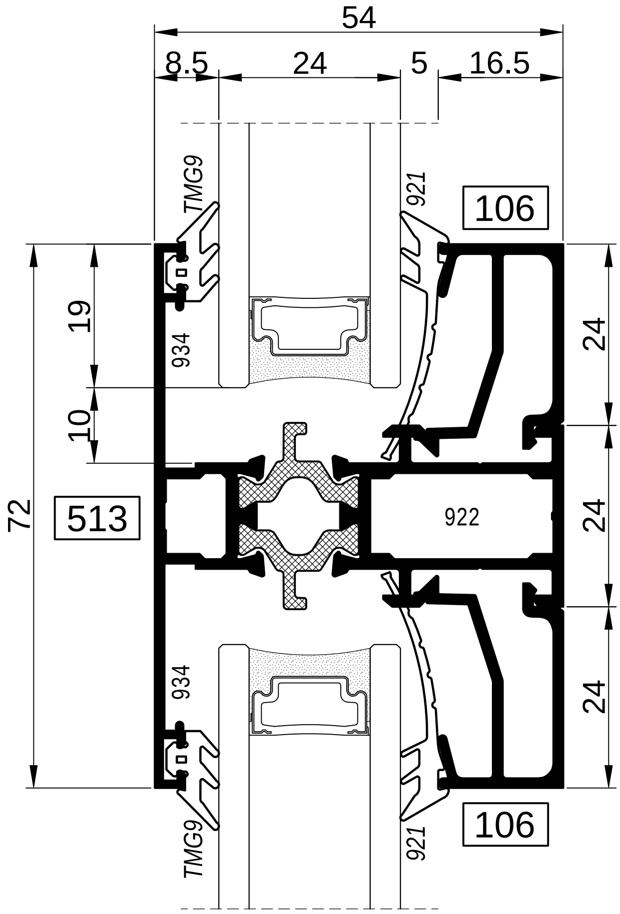
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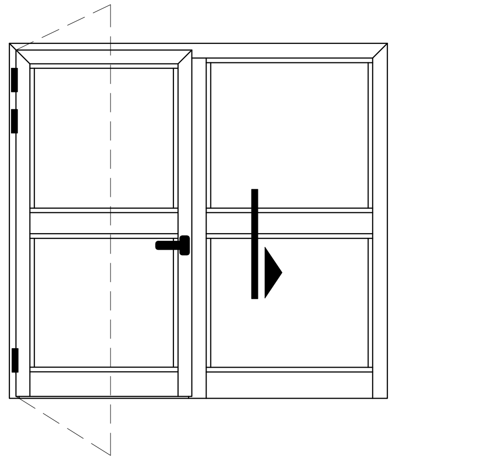

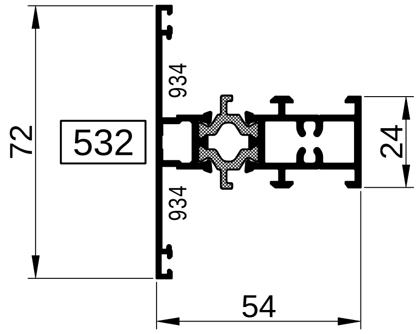
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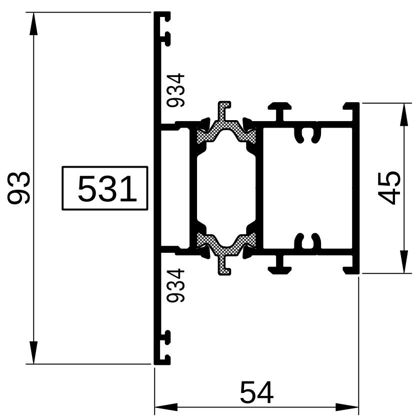
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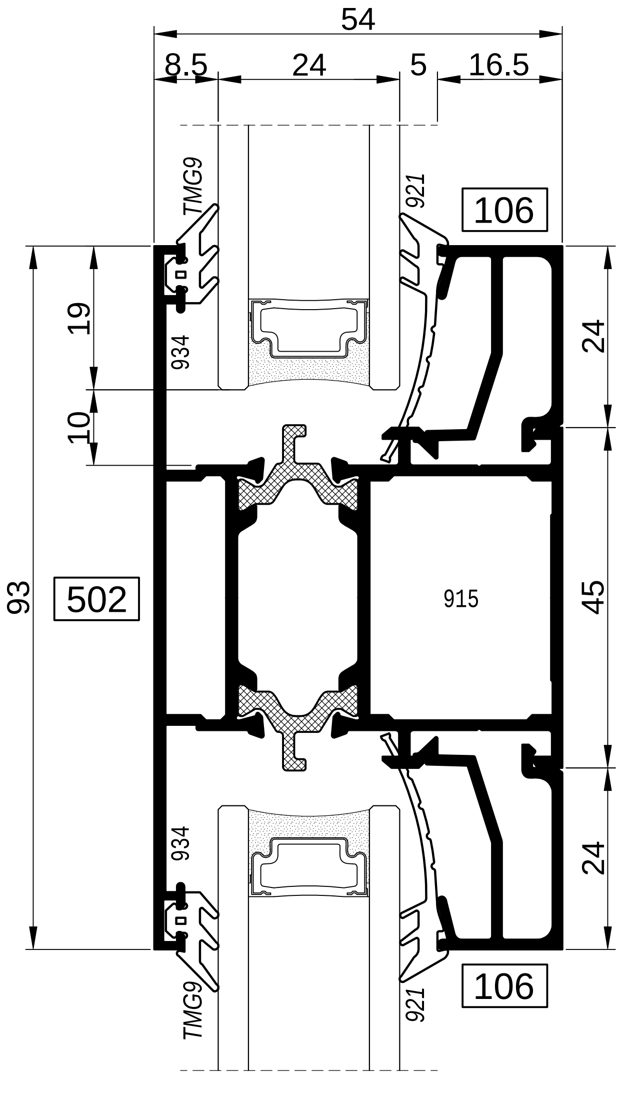
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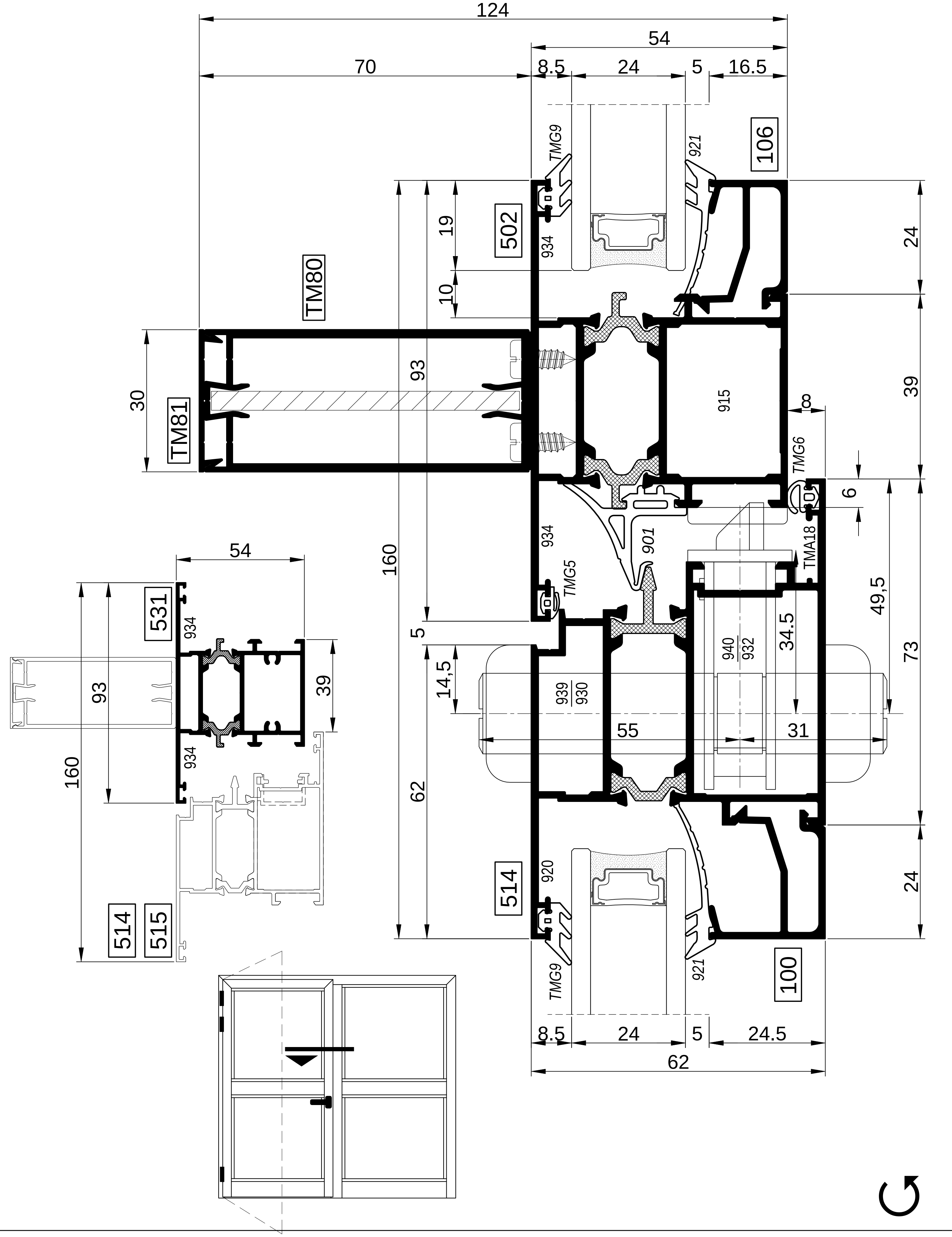
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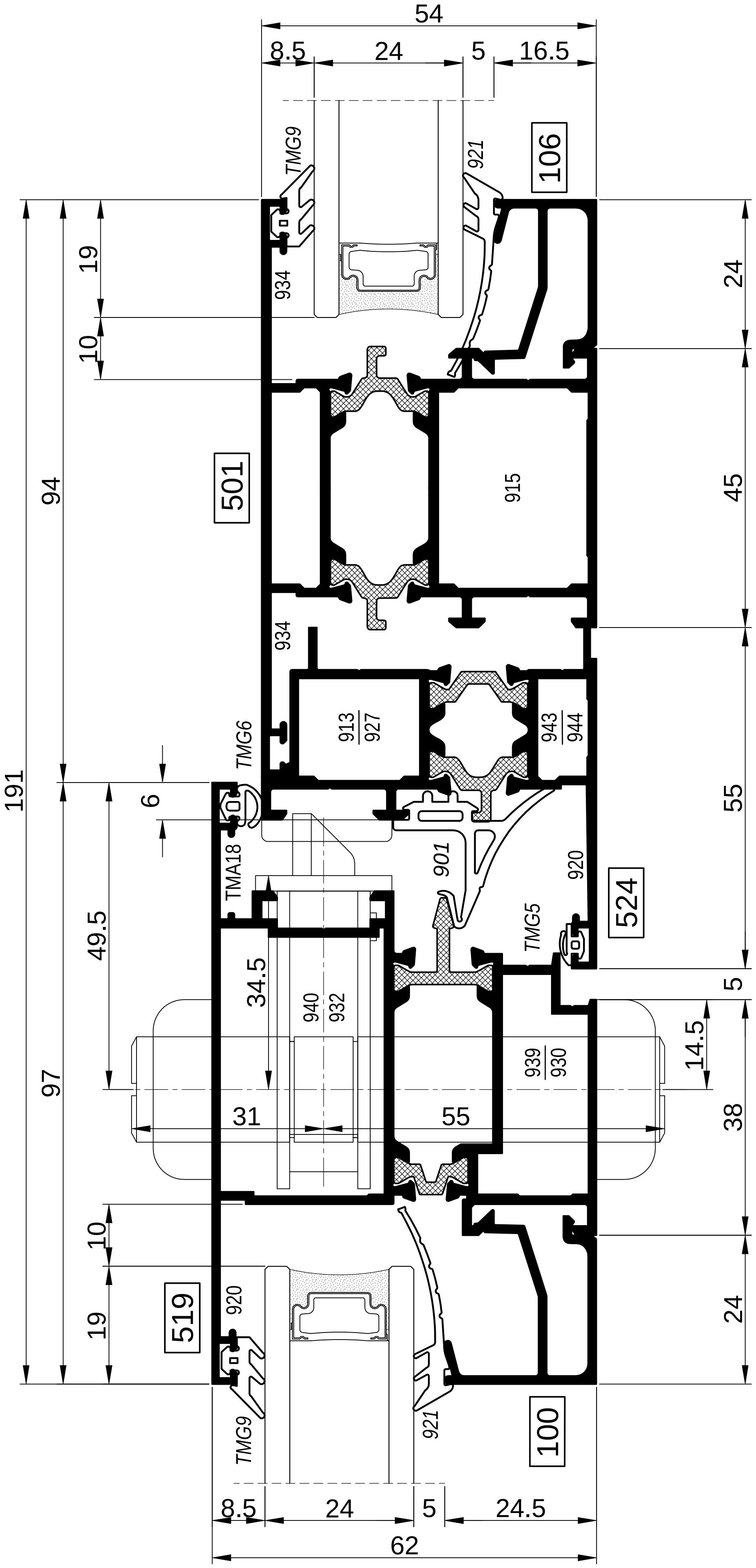
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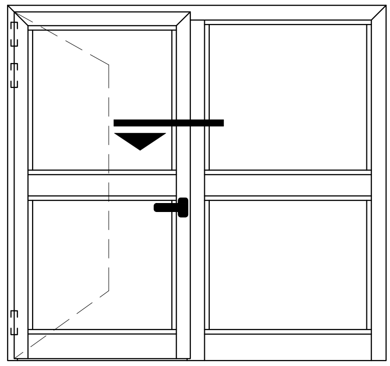

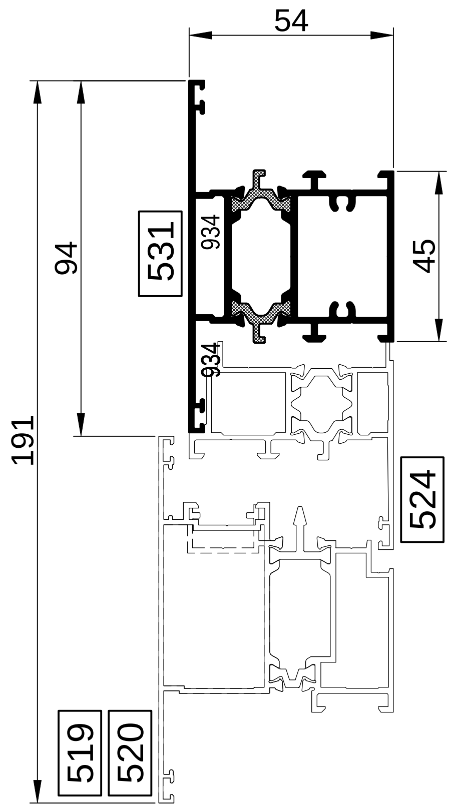
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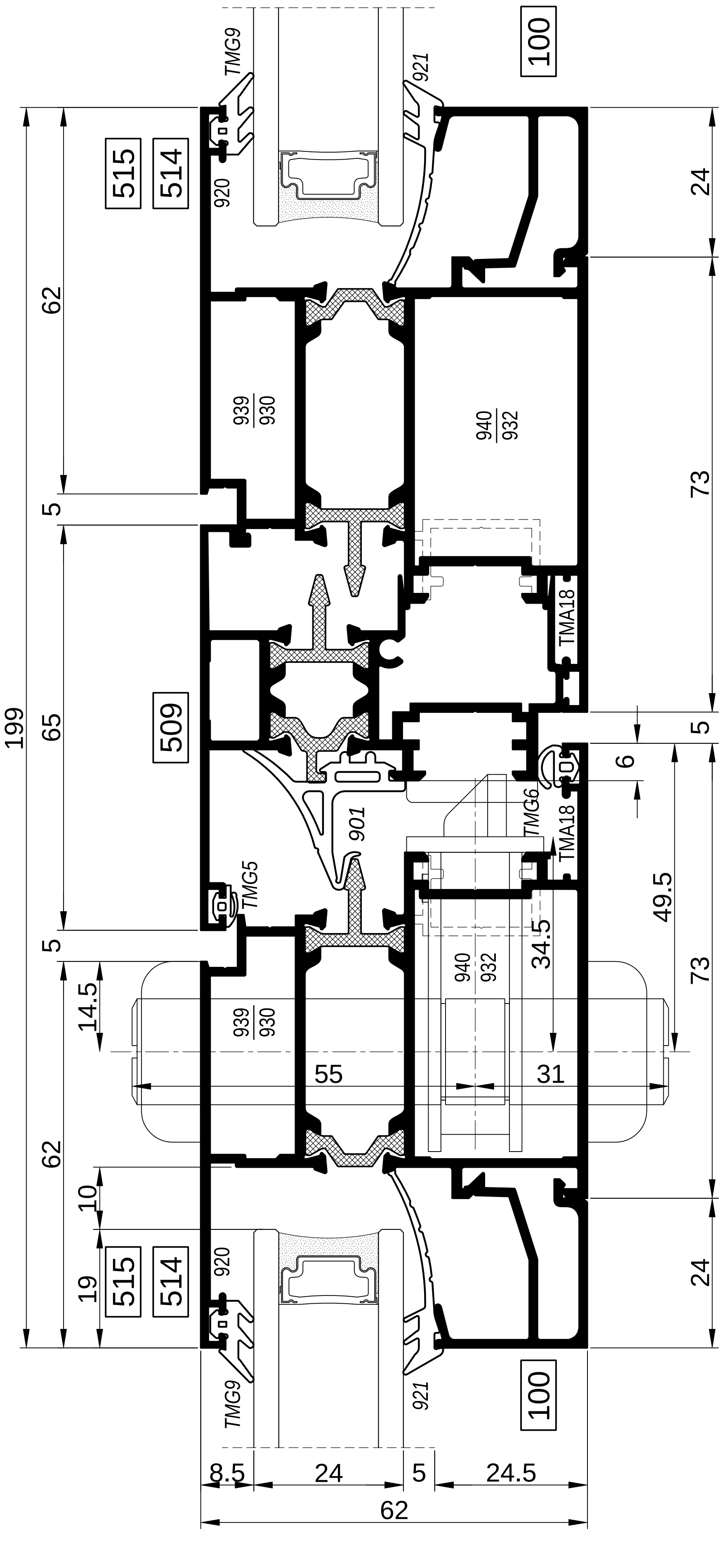
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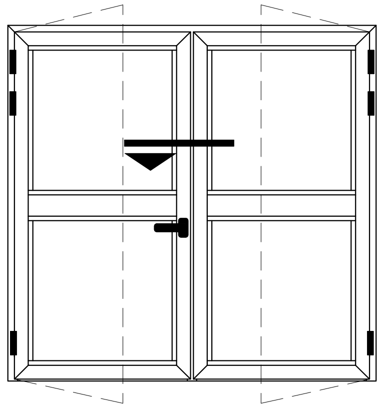

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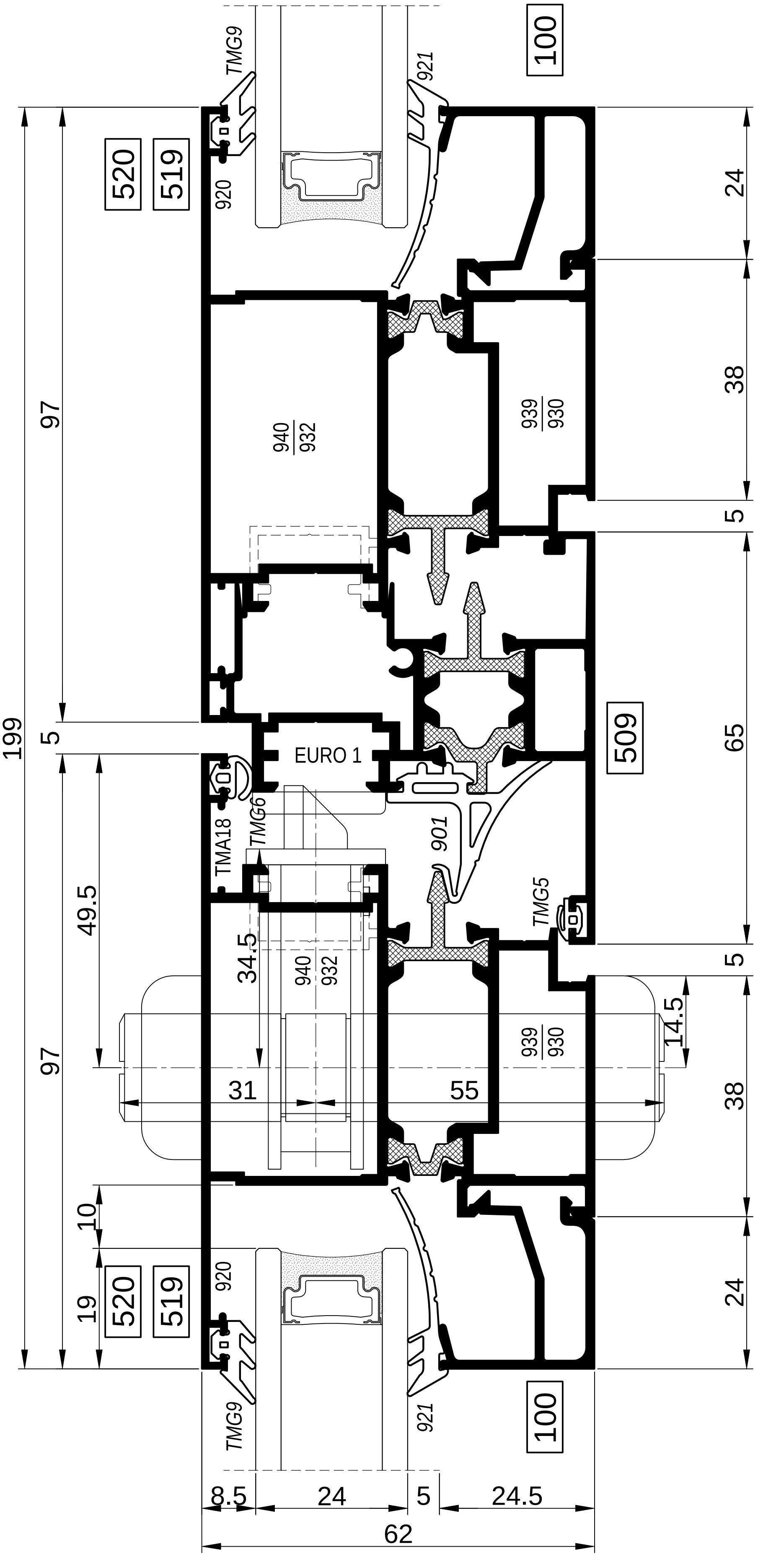
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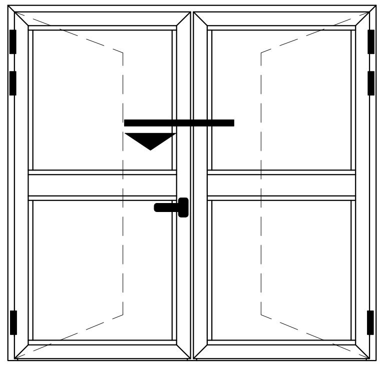


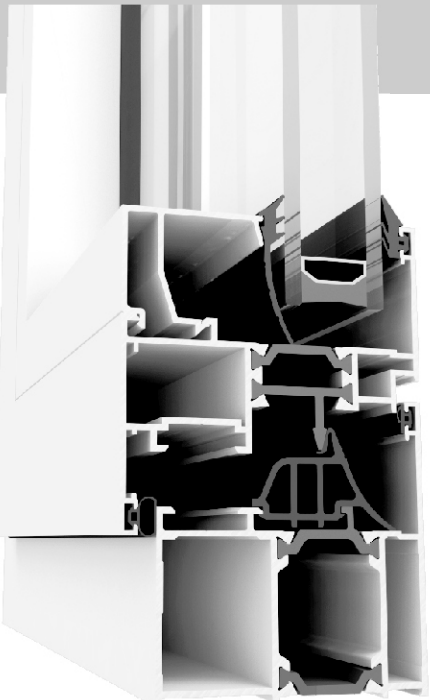
Sistem
System
Система

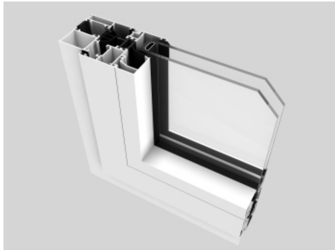
Plus 62

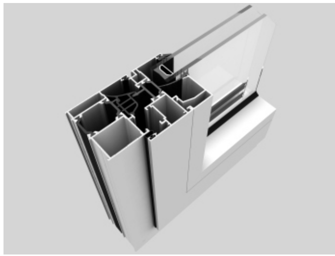
Sistem LINEAL PLUS 62

System LINEAL PLUS 62

Система LINEAL PLUS 62







Tehnički opis sistema

Sistem LINEAL PLUS 62 je jedan od šest iz serije LINEAL i predstavlja sistem aluminijumskih profila sa termičkim prekidom, specijalno projektovanih za izradu elemenata prozora i vrata sa ugradnom dubinom štoka od 62mm. Sistem je dizajniran tako da zadovoljava savremene zahteve na polju energetske efikasnosti, kao i ostale uslove nepohodne za bezbedan i udoban radni i životni prostor.Prilikom projektovanja elemenata sistema posebna pažnja je posvećena odabiru materijala koji vrše funkciju termičkog prekida u sklopu sistemskih profila. Na ovaj način su postignute maksimalne termoizolacione karakteristike Uf $\geqslant$ 2,50W/m^{2}K, odnosno Uw $\geqslant$ 1,25W/m^{2}K.

- Aluminijumski profili su proizvedeni postupkom ekstruzije u pogonima Tehnomarket-a. Sirovina za proizvodnju profila je primarna legura aluminijuma sa oznakom AlMgSi0,5 (AA6063 i 6060) i zateznom čvrstoćom profila od minimalno 210 KN/mm^2.
- Poliamidne trake (PA 6,6 sa 25% staklenih vlakana) širine 24mm međusobno spajaju spoljašnje i unutrašnje aluminijumske delove u gotove profile, a pored funkcije mehaničkog spajanja, obezbeđuju i termički prekid. Garantovana sila smicanja spoljnog i unutrašnjeg aluminijumskog profila, povezanih poliamidnim trakama, se kontroliše u toku proizvodnje.
- Izolaciona svojstva sistema potvrđena su kroz rezultate ispitivanja toplotnih performansi. Takođe, ispitivanja su urađena i za otpornost na udare vetra, propuštanje vazduha i vode, kao i za zvučnu izolaciju.
- Sistem omogućava ugradnju standardnog okova u EURO 1 žljeb i okova za PVC u EURO 16mm žljeb.
- Sistem podržava ispune uključujući i staklo pakete od 8 do 53mm sa EPDM zaptivkama koje poseduju integrisanu barijeru protiv produvavanja.
- Zaptivanje u zoni spoja štoka i krila je trostruko, preko tri trajno elastične EPDM zaptivke otporne na UV zračenje.
- Spajanje uglova pomoću ekstrudiranih patent spojnica ili spojnica za presovanje obezbeđeno je zatezanjem u svim komorama profila, što obezbeđuje siguran ugaoni spoj i preciznu geometriju gotovih elemenata.
- Kanalisanje kondenza i incidentne vode je regulisano preko slobodnih ravnih površina u komorama, dok je ventilisana spoljna komora duboka 20mm.
- Osnovna spoljašnja dimenzija štoka od 65mm omogućava idealan prihvat vođica roletne i komarnika. Unutrašnja širina štoka obezbeđuje idealan prostor za sabirnik trake roletne.

LINEAL PLUS 62

Technical description

System LINEAL PLUS 62 is one of six from LINEAL series and it represents aluminium profile system with thermal break, specially designed for manufacturing of windows and doors with frame depth of 62mm. System is designed to satisfy all contemporary demand for energy efficiency, as well as all other requirements for safe and comfortable living and working environment. Special attention was addressed to selection of materials that for the thermal break within the profile. This way, maximal isolation values of $Uf \approx 2{,}50 W/m^2K$, or $Uw \approx 1{,}25 W/m^2K$, were achieved.

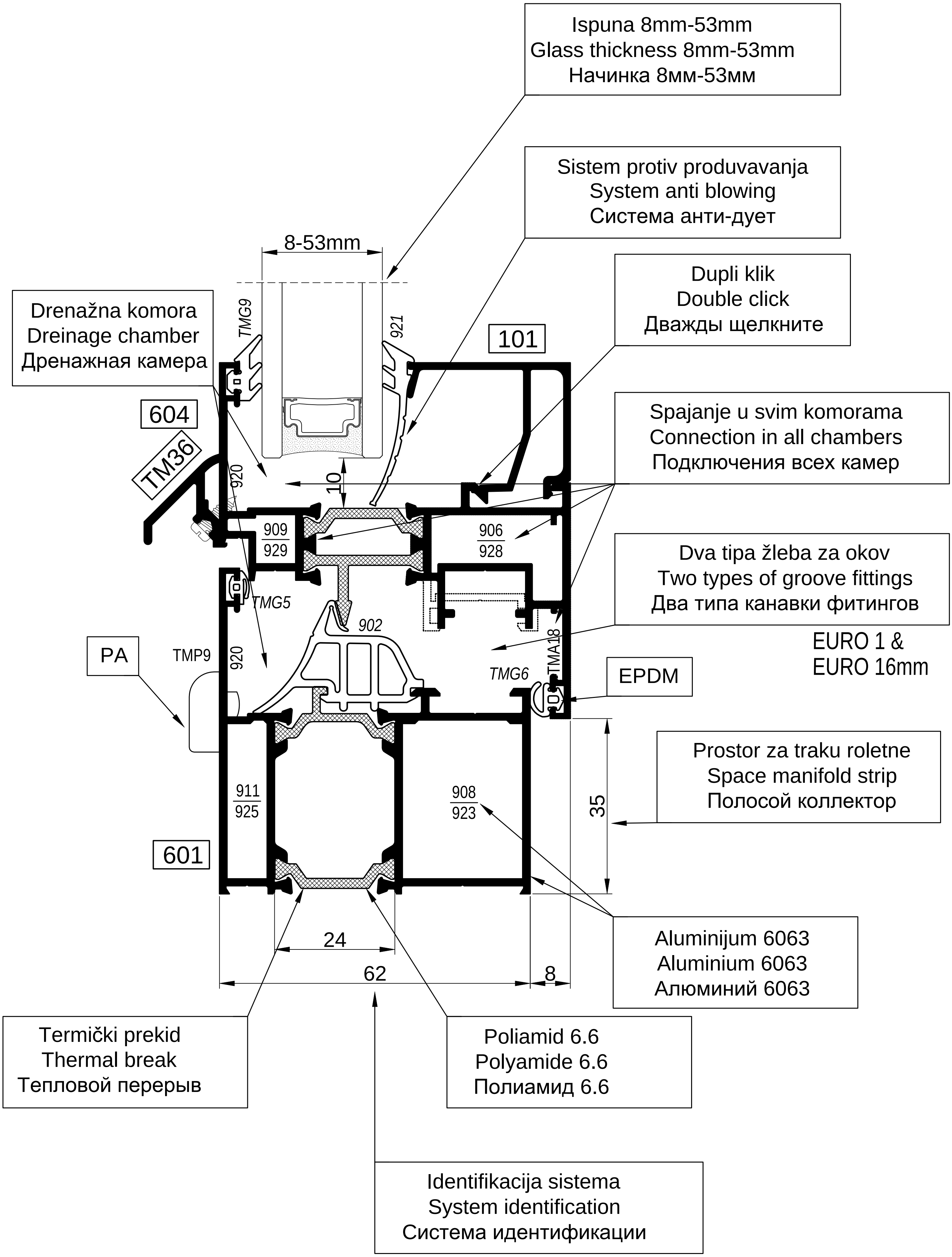
- Aluminium profiles were manufactured in Tehnomarket's own extrusion factory. The raw material used is primary aluminium alloy AlMgSi0.5 (AA6063 and AA6060) with minimum tensile strength of 210KN/mm².
- 24mm wide Polyamide stripes (PA 6,6 with 25% glass fibers) connect inner and outer aluminium parts into finished profiles, and beside functioning as a mechanical bond they also provide a thermal break. Guaranteed shearing force for profiles connected with polyamide stripes is strictly controlled during production.
- Insulating performance of the complete system was confirmed through thermal performance testing. At the same time, wind load, air and water permeability and sound insulation were tested as well.
- System is compatible with both EURO 1 and EURO 16mm groove standards for hardware installation.
- System allows glass packages from 8 to 53mm with EPDM gaskets that feature integrated anti-blowing barrier.
- The triple sealing between frame and sash is achieved with three separate EPDM gaskets resistant to UV light.
- Corner joining with extruded patent or press clips is achieved through all profile chambers, thus guaranteeing secure and precise joints and finished element geometry.
- Drainage of condensed and incidental water is regulated via free flat surfaces in profile chambers, while ventilated outer chamber features optimal width of 20mm.
- Basic outer frame width of 65mm allows for an ideal mounting surface for optimal placement of mosquito net and roll-shutter's guides. Internal width of the frame provides an ideal space for tape coiler.

LINEAL PLUS 62

Техническое описание системы

Система LINEAL PLUS 62 - одна из шести систем серии LINEAL и представляет систему алюминиевых профилей с термическим разрывом, специально разработанная для производства элементов окон и дверей с монтажной глубиной косяка от 62mm. Система разработана для удовлетворения современных требований в области энергоэффективности, как и другие необходимые условия для безопасного и комфортного рабочего и жилого пространства. При проектировании элементов системы, особое внимание было уделено выбору материалов, которые выполняют функцию теплового разрыва внутри профиля. Таким образом, достигнуты максимальные теплоизоляционные свойства $Uf \approx 2{,}50 W/m^2K$, относительно $Uw \approx 1{,}25 W/m^2K$.

- Алюминиевые профили изготовлены способом экструзии в производственных цехах Техномаркета. Сырьем для производства профилей является первичный алюминиевый сплав с обозначением AlMgSi0,5 (AA6063 и 6060) и с минимальной прочностью на разрыв профиля 210KN/mm².
- Полиамидные полоски (PA 6,6 с 25% стекловолокна) шириной 24mm, взаимосвязывают внешние и внутренние алюминиевые части в готовых профилях, а кроме функции механического соединения и обеспечивают и тепловой разрыв. Гарантированная сила сдвига внешнего и внутреннего алюминиевого профиля, которые связаны полиамидными полосками, контролируется в процессе производства.
- Изоляционные свойства системы потверждены результатами испытания тепловых характеристик. Кроме того, были проведены испытания устойчивости на удары ветра, пропуск воздуха и воды, как и звукоизоляции.
- Система позволяет установку стандартных оковок в EURO 1 желоб и оковок для PVC в EURO 16mm желоб.
- Система поддерживает и заполнения, включая и стеклопакеты от 8 до 53mm, с EPDM прокладками, которые имеют интегрированный барьер против выдувания.
- Уплотнение в зонах соединений косяка и створки - трехрядное, с тремя постоянно упругими прокладками EPDM, которые устойчивы к UV-излучению.
- Сцепление углов, с помощью экструдированных сцепных устройств или сцепных устройств для прессовки, обеспеченное затяжкой во всех камерах профиля, что обеспечивает недежное соединение углов и точную геометрию готовых элементов.
- Направление конденсации и случайных вод регулируется через свободные ровные поверхности в камерах, в то время как вентилируемая внешная камера имеет глубину 20mm.
- Основнай внешний размер косяка от 65mm позволяет идеальный прием направляющей жалюзи и противомоскитных сеток. Внутренняя ширина косяка обеспечивает идеальное место для коллектора полосок жалюзи.


Ispuna 8mm-53mm
Glass thickness 8mm-53mm
Начинка 8мм-53мм
Sistem protiv produvavanja
System anti blowing
Система анти-дует
Dupli klik
Double click
Дважды щелкните
Spajanje u svim komorama
Connection in all chambers
Подключения всех камер
Dva tipa žleba za okov
Two types of groove fittings
Два типа канавки фитингов
EURO 1 &
EURO 16mm
EPDM
Prostor za traku roletne
Space manifold strip
Полосой коллектор
Aluminijum 6063
Aluminium 6063
Алюминий 6063
Poliamid 6.6
Polyamide 6.6
Полиамид 6.6
Identifikacija sistema
System identification
Система идентификации
Termički prekid
Thermal break
Тепловой перерыв
Drenažna komora
Dreinage chamber
Дренажная камера
PA
TMP9
604
TM36
601
101
8-53mm
TMG9
921
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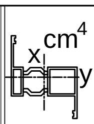
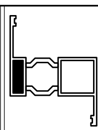
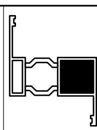
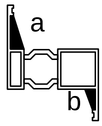
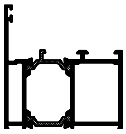
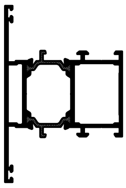
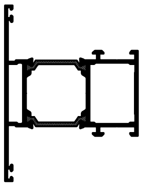
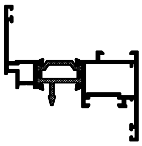
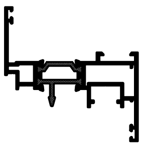
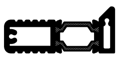
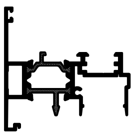
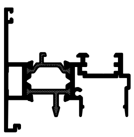
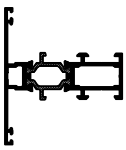
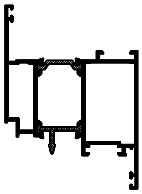
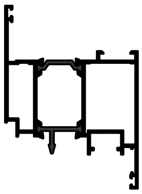
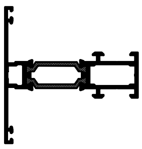
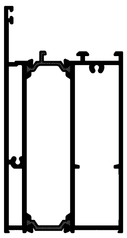
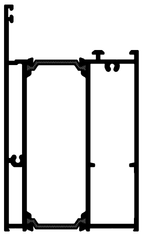
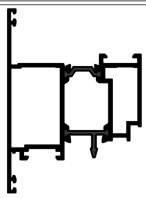
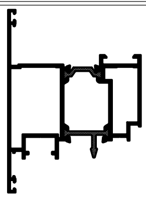
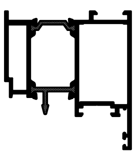
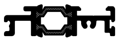
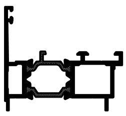
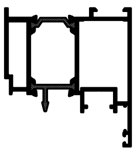
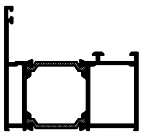
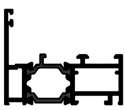
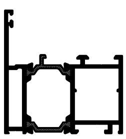
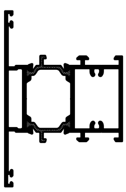
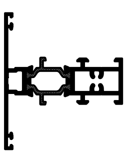
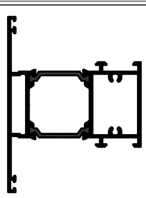
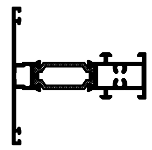
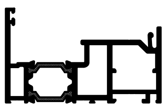
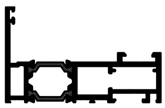
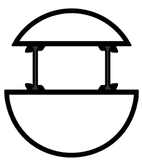
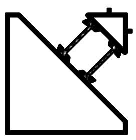
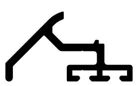
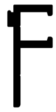
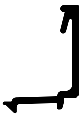
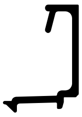
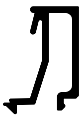
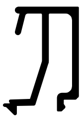
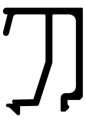
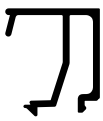
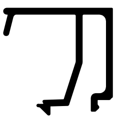
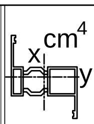
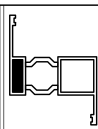
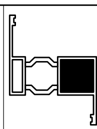
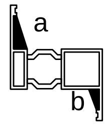
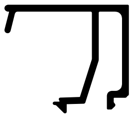
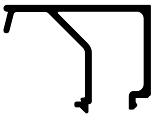
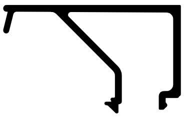
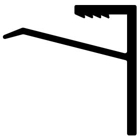
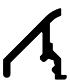
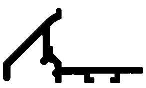
	Oznaka Mark Марк	Opis Description Описание					
	kg/m'		Ix Iy			a a	b b
	601	Štok Frame Рама	21,8	911	908	920	-
	1,353		10,6	925	923	920	-
	602	Prečka u štoku T profile in frame T профиль в раме	25,42	-	915	x2 934	-
	1,550		18,7	-	905	x2 934	-
	603	Prečka u krilu T profile in casement T профиль в створки	34,2	-	915	x2 934	-
	1,561		18,7	-	905	x2 934	-
	604	Prozorsko krilo - EURO 1 Casement -EURO 1 Оконная створка -ЕУРО 1	27,42	909	907	920	TMA18
	1,260		4,3	929	926	920	TMA18
	605	Prozorsko krilo - EURO 16 Casement -EURO 16 Оконная створка -ЕУРО 16	27,3	909	906	920	TMA18
	1,270		4,0	929	928	920	TMA18
	608	Prag Threshold Порог	14,0	-	-	-	-
	1,064		1,3	-	-	-	-
	609	Veza dvokrilnog prozora - EURO 1 French casement adaptor -EURO 1 Соединительный профиль двойног окна -ЕУРО 1	18,9	-	-	-	-
	1,205		6,5	-	-	-	-
	610	Veza dvokrilnog prozora - EURO 16 French casement adaptor -EURO 16 Соединительный профиль двойног окна -ЕУРО 16	18,6	-	-	-	-
	1,207		6,3	-	-	-	-
	613	Prečka u štoku T profile in frame T профиль в рамке	18,5	-	922	x2 934	-
	1,104		6,7	-	905	x2 934	-

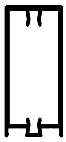
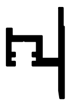
	Oznaka Mark Марк	Opis Description Описание	cm^4				
	kg/m`		Ix / Iy			a / a	b / b
	614	Krilo vrata -otvaranjem unutra- EURO 1	42,4	939	940	920	TMA18
	1,720	Door leaf -open in -EURO 1 Крыло двери, открывающиеся внутрь -ЕУРО1	17,0	930	932	920	TMA18
	615	Krilo vrata -otvaranjem unutra- EURO 16	42,5	939	941	920	TMA18
	1,692	Door leaf -open in -EURO 16 Крыло двери, открывающиеся внутрь -ЕУРО16	16,5	930	931	920	TMA18
	616	Prečka u krilu	25,1	-	922	934 x2	-
	1,159	T profile in casement Препятствие в створки	6,65	-	905	934 x2	-
	617	Parapetni profil u štoku / Veliki štok Parapet profile in frame / Large frame	38,9	911	908	934	-
	2,315	Парапет профиль в рамке большой рам	83,6	925	923	934	-
	618	Parapetni profil u krilu Parapet profile in casement	52,7	-	915	934	-
	2,345	Парапет профиль в створки	83,7	-	905	934	-
	619	Krilo vrata -otvaranjem spolja- EURO 1	34,4	939	940	920	TMA18
	1,674	Door leaf -open out -EURO 1 Крыло двери, открывающиеся наружу -ЕУРО1	24,2	930	932	920	TMA18
	620	Krilo vrata -otvaranjem spolja- EURO 16	34,6	941	939	920	TMA18
	1,685	Door leaf -open out -EURO 16 Крыло двери, открывающиеся наружу -ЕУРО16	23,4	931	930	920	TMA18
	622	Krilo vrata -otvaranjem unutra- EURO 1	31,3	945	940	920	TMA18
	1,585	Door leaf -open in -EURO 1 Крыло двери, открывающиеся внутрь -ЕУРО1	15,3	930	932	920	TMA18

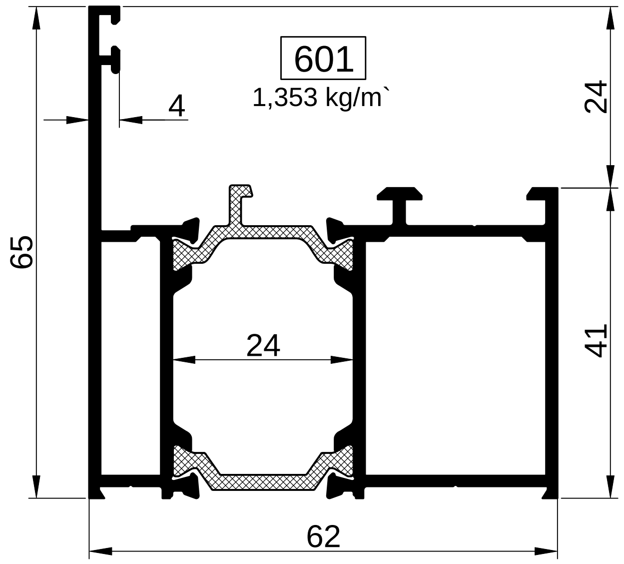
	Oznaka Mark Марк kg/m'	Opis Description Описание	Ix Iy			a a	b b
	623 0,780	Prag Threshold Порог	7,9 0,4	- -	- -	- -	- -
	624 1,098	Reducir smera okretanja vrata Reducing the direction of the door Снижение направление двери	16,5 4,4	913 927	943 944	920 920	- -
	625 1,557	Krilo vrata -otvaranjem unutra- EURO 16 Door leaf -open in -EURO 16 Крыло двери, открывающиеся внутрь -ЕУРО16	31,4 14,8	945 930	941 931	- -	TMA18 TMA18
	626 1,377	Parapetni profil u krilu Parapet profile in casement Парапет профиль в створки	29,1 10,8	- -	995 905	934 934	- -
	628 1,160	Štok Frame Рама	18,7 4,3	943 944	906 928	920 920	- -
	630 1,384	Štok Frame Рама	23,9 10,8	911 925	907 926	920 920	- -
	631 1,603	Prečka u štoku T profile in frame T профиль в раме	27,4 20,0	- -	- -	934^{x2} 934^{x2}	- -
	632 1,197	Prečka u štoku T profile in frame T профиль в раме	19,5 6,7	- -	- -	934^{x2} 934^{x2}	- -
	633 1,614	Prečka u krilu T profile in casement T профиль в створки	37,1 20,0	- -	- -	934^{x2} 934^{x2}	- -

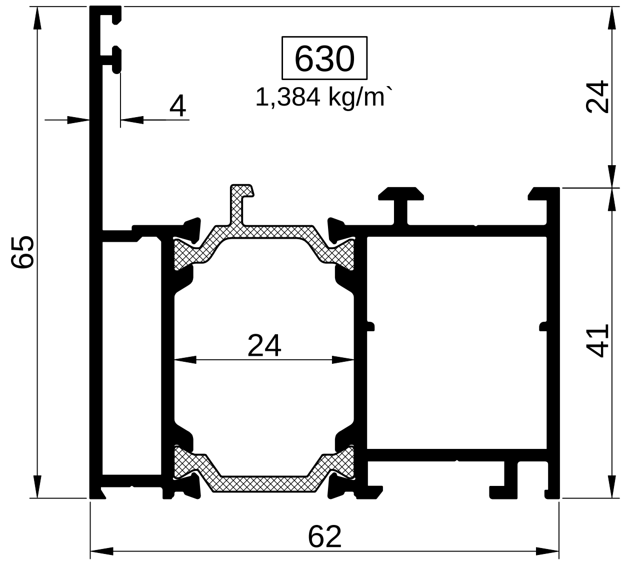
	Oznaka Mark Марк kg/m'	Opis Description Описание	Ix Iy			a a	b b
	634	Prečka u krilu T profile in casement	26,5	-	-	x2 934	-
	1,208	T профиль в створки	6,7	-	-	x2 934	-
	635	Prag Threshold	-	-	-	-	-
	1,576	Порог	-	-	-	-	-
	636	Štok- donji Frame- below	46,5	943	906	920	-
	1,835	Рама- доньи	9,5	944	928	920	-
	637	Štok- gornji Frame- upper	41,1	943	906	920	-
	1,565	Рама- верхняя	5,98	944	928	920	-
	TMT115	Ugaoni profil Angle connector	22,6	-	-	-	-
	1,619	Угловой профиль	29,4	-	-	-	-
	TMT136	Ugaoni profil -90° Angle connector -90°	25,7	-	-	-	-
	1,623	Угловой профиль - 90º	30,7	-	-	-	-
	110	Opšivni profil Casing profile	-	-	-	-	-
	0.133	Обшивка	-	-	-	-	-
	119	Pokopac praga Cover threshold	-	-	-	-	-
	0,071	Порог обложки	-	-	-	-	-
	120	Slivnik i nosač četkice Waterdrip	-	-	-	-	-
	0,281	Капельник	-	-	-	-	-

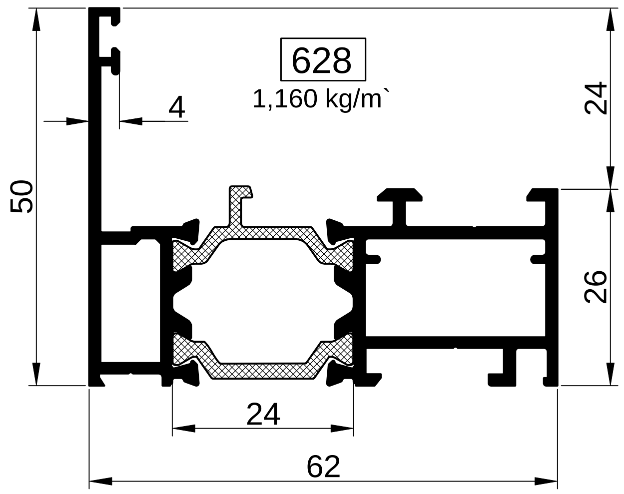
	Oznaka Mark Марк kg/m'	Opis Description Описание	cm⁴ x y Ix Iy			a a	b b
	126 0.193	Profil za spoj Profile for the connection Профиль для связи	- -	- -	- -	- -	- -
	127 0.258	Držač zaptivke Gasket holder Держатель прокладка	- -	- -	- -	- -	- -
	124 0,200	Držač stakla - 4,5mm Glazing bead - 4,5mm Подстаканник - 4,5мм	- -	- -	- -	- -	- -
	123 0,211	Držač stakla - 8,5mm Glazing bead - 8,5mm Подстаканник - 8,5мм	- -	- -	- -	- -	- -
	122 0,296	Držač stakla - 12,5mm Glazing bead - 12,5mm Подстаканник - 12,5мм	- -	- -	- -	- -	- -
	106 0,302	Držač stakla - 16,5mm Glazing bead - 16,5mm Подстаканник - 16,5mm	- -	- -	- -	- -	- -
	116 0,320	Držač stakla - 20,5mm Glazing bead - 20,5mm Подстаканник - 20,5mm	- -	- -	- -	- -	- -
	100 0,330	Držač stakla - 24,5mm Glazing bead - 24,5mm Подстаканник - 24,5mm	- -	- -	- -	- -	- -
	117 0,348	Držač stakla - 28,5mm Glazing bead - 28,5mm Подстаканник - 28,5mm	- -	- -	- -	- -	- -

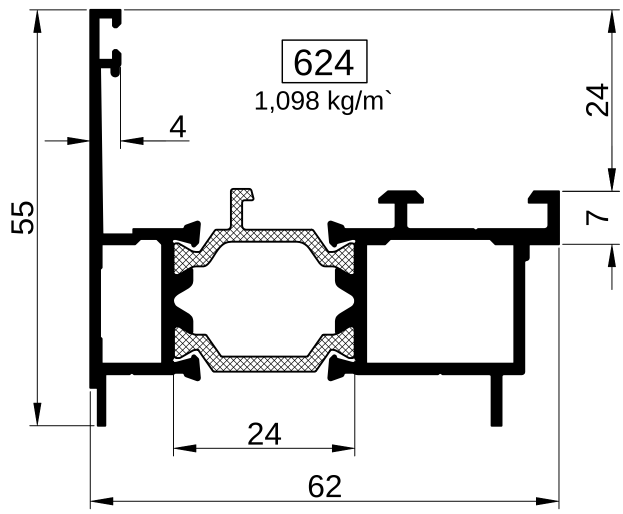
	Oznaka Mark Марк kg/m'	Opis Description Описание	 Ix Iy			 a a	b b
	101 0,359	Držač stakla - 32,5mm Glazing bead - 32,5mm Подстаканник - 32,5mm	- -	- -	- -	- -	- -
	108 0,393	Držač stakla - 38,5mm Glazing bead - 38,5mm Подстаканник - 38,5mm	- -	- -	- -	- -	- -
	107 0,447	Držač stakla - 46,5mm Glazing bead - 46,5mm Подстаканник - 46,5mm	- -	- -	- -	- -	- -
	V05 0,389	Opšivni profil Casing profile Обшивка	- -	- -	- -	- -	- -
	TM33 0,152	Pogonska letva Mechanism rod Стержень для механизма	- -	- -	- -	- -	- -
	TM36 0,177	Slivnik Waterdrip Капельник	- -	- -	- -	- -	- -
	TM42 0,272	Slivnik i nosač četkice Waterdrip and brush holder Капельник и держатель щетки	- -	- -	- -	- -	- -
	TM43 0,130	Nosač četkice Brush holder Держатель щетки	- -	- -	- -	- -	- -
	TM67 0,303	Nosač solbanka The carrier of window sills Подоконники носителей	- -	- -	- -	- -	- -

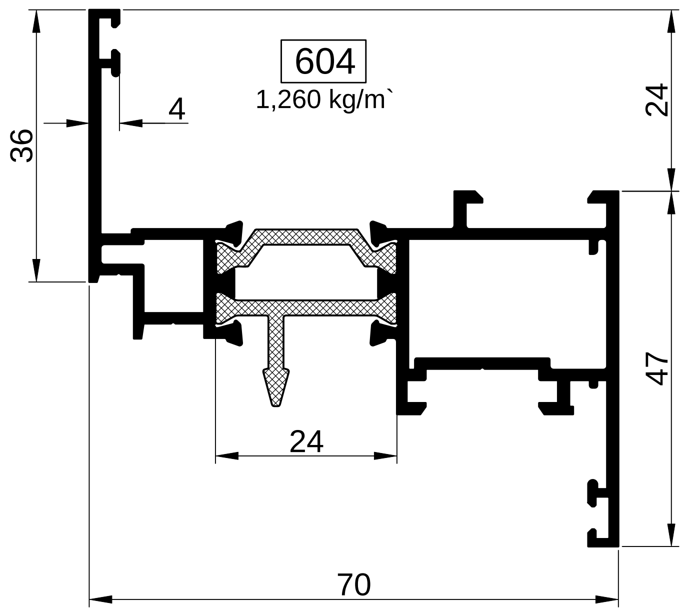
	Oznaka Mark Марк kg/m'	Opis Description Описание	cm⁴ Ix Iy			a a	b b
	TM80	Modularni stub Modular mullion	19,9	-	-	-	-
	0,947	Модульный колонка	5,1	-	-	-	-
	TM81	Pokopac za TM80 Cover for TM80	-	-	-	-	-
	0,103	Порог для TM80	-	-	-	-	-
	129	Nosač četkice Brush holder	-	-	-	-	-
	0,198	Держатель щетки	-	-	-	-	-

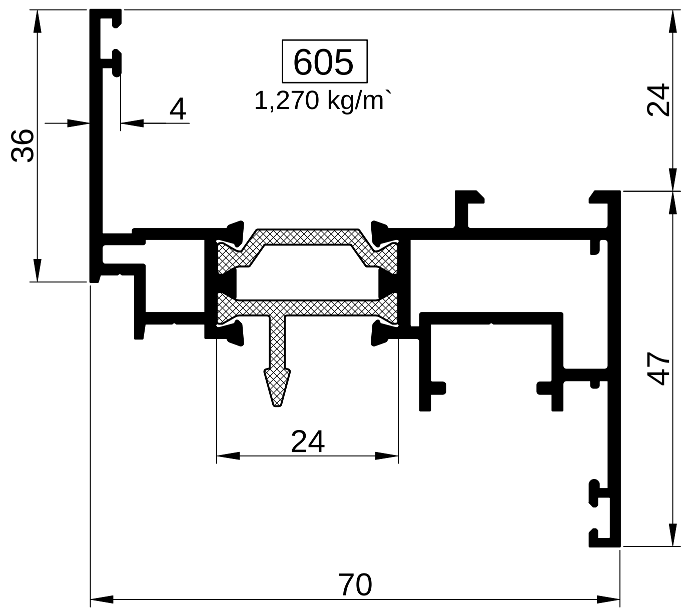

601
1,353 kg/m`
65
4
24
41
24
62

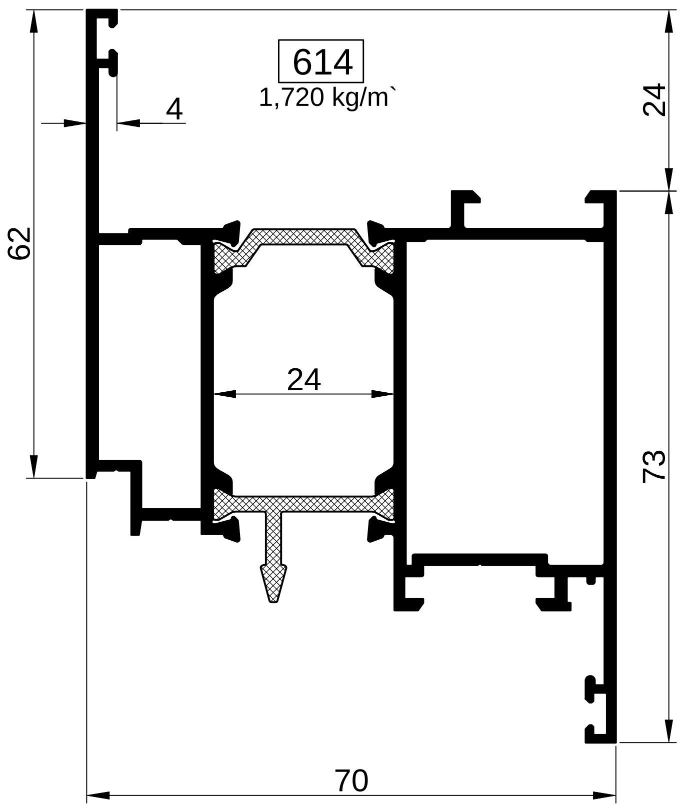

630
1,384 kg/m`
65
4
24
41
24
62

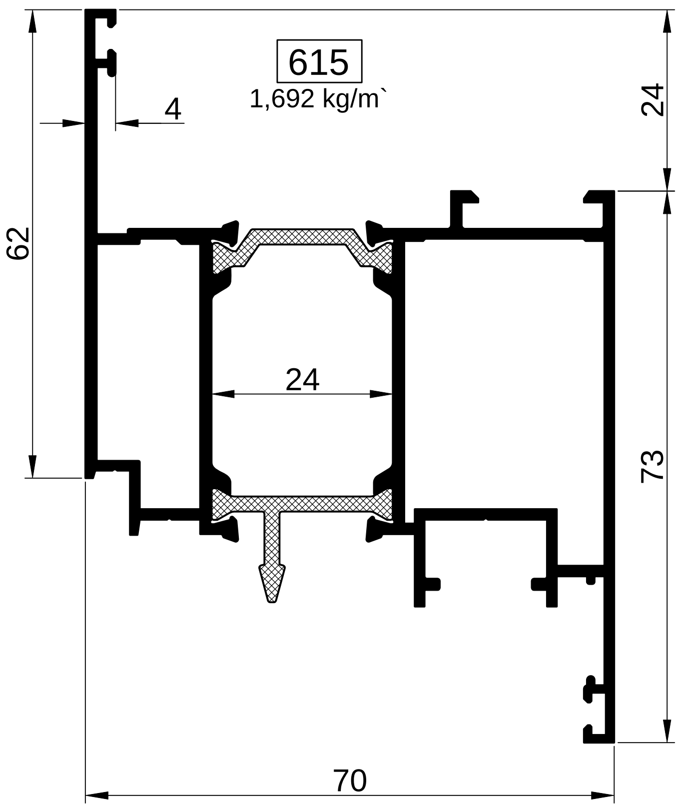

628
1,160 kg/m`
50
4
24
26
24
24
62

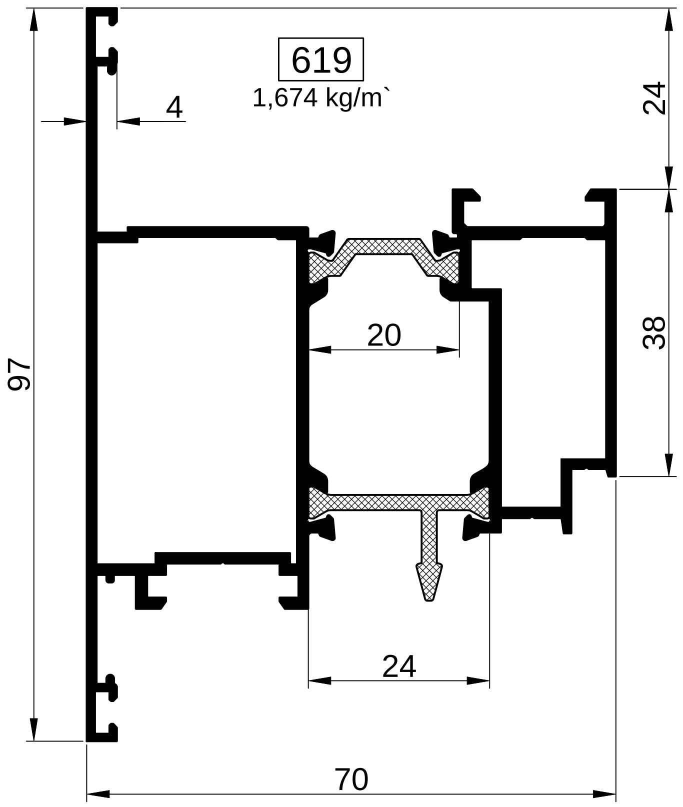

624
1,098 kg/m`
55
4
24
7
24
62

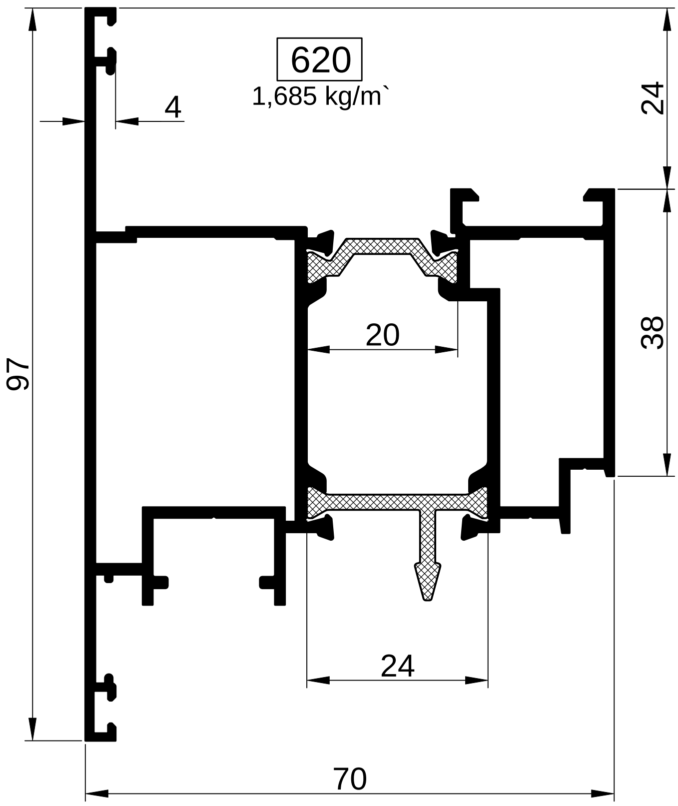

604
1,260 kg/m`
36
4
24
47
24
70

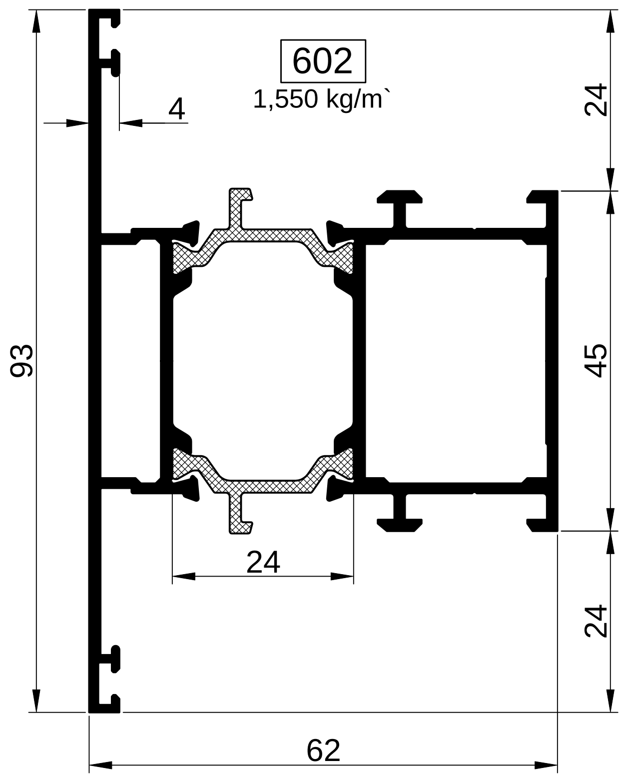

605
1,270 kg/m`
36
4
24
47
24
70

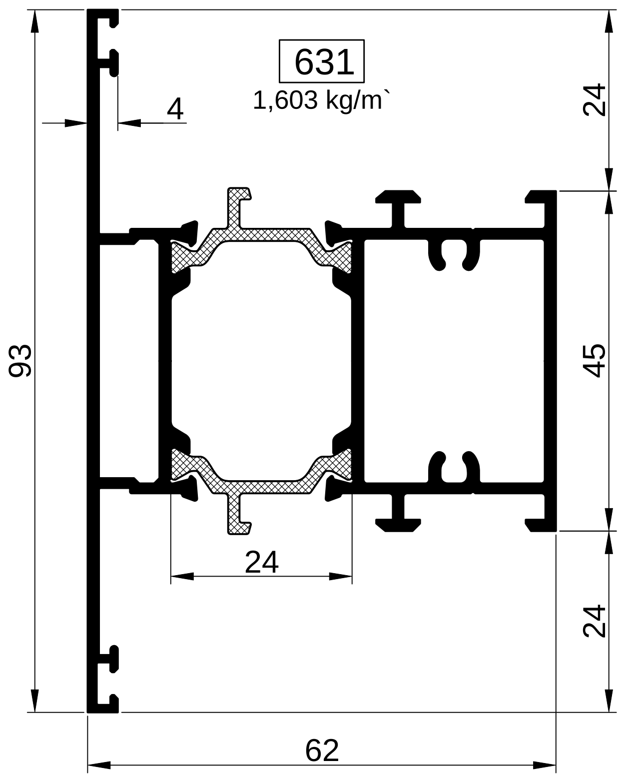

614
1,720 kg/m`
4
24
62
24
73
70

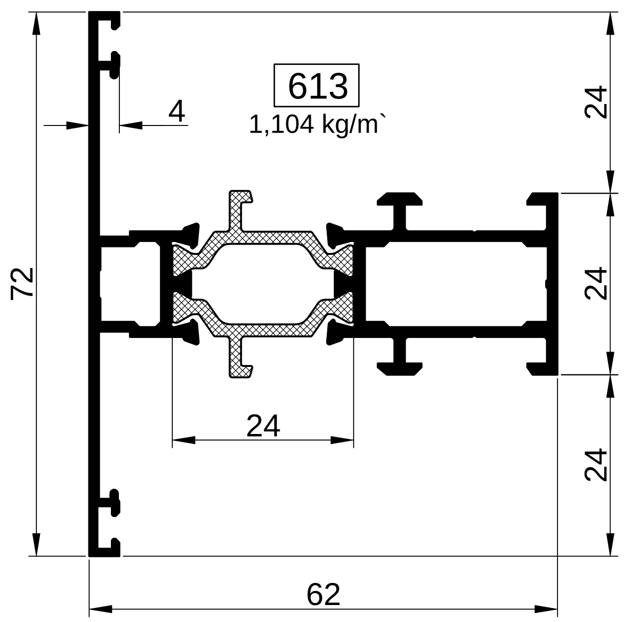

615
1,692 kg/m`
4
24
62
24
73
70

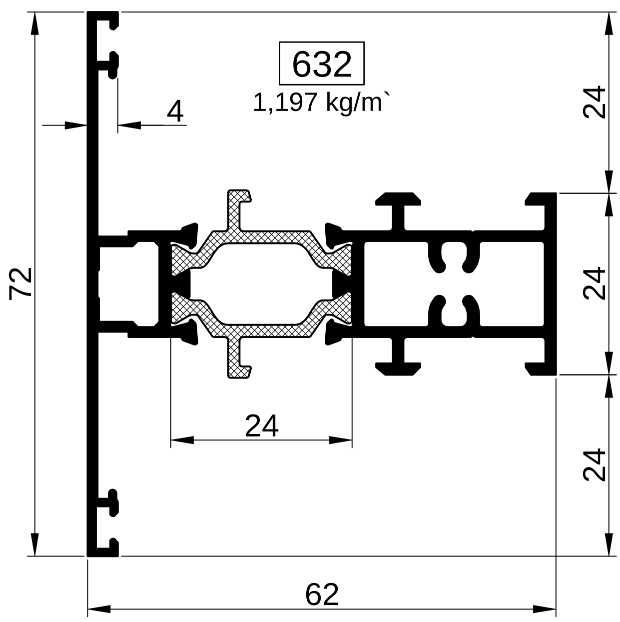

619
1,674 kg/m`
4
24
97
20
38
24
70

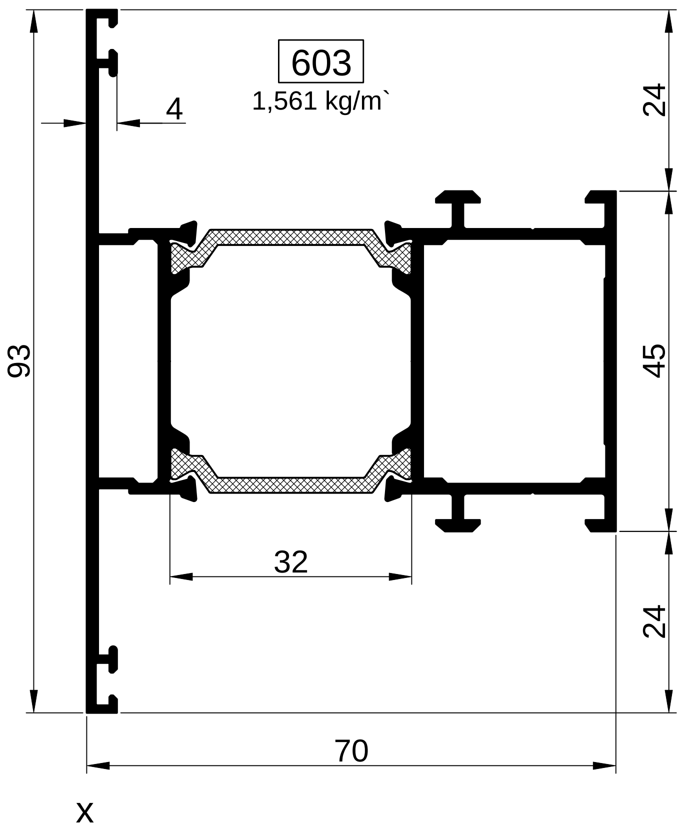

620
1,685 kg/m`
4
24
97
20
38
24
70

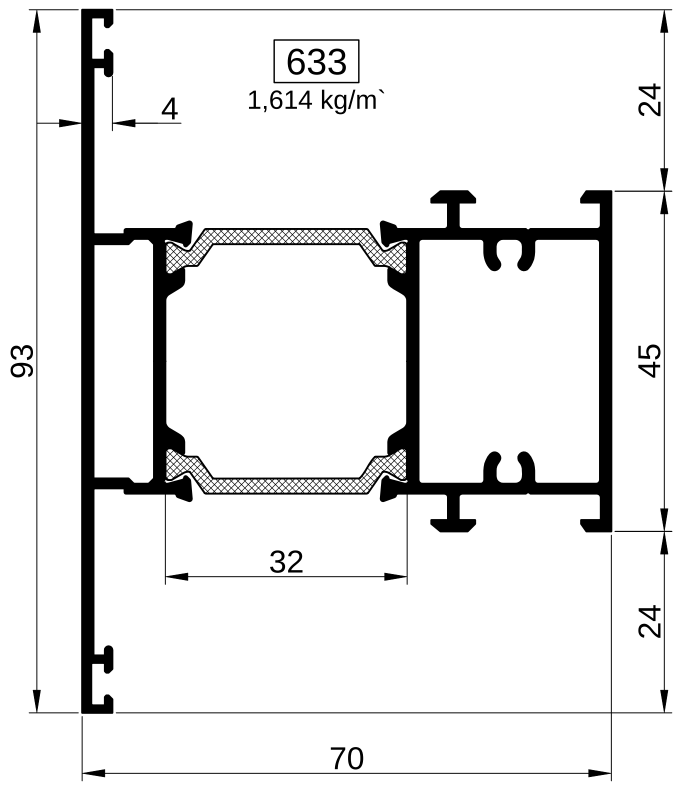

602
1,550 kg/m`
4
93
24
45
24
24
62

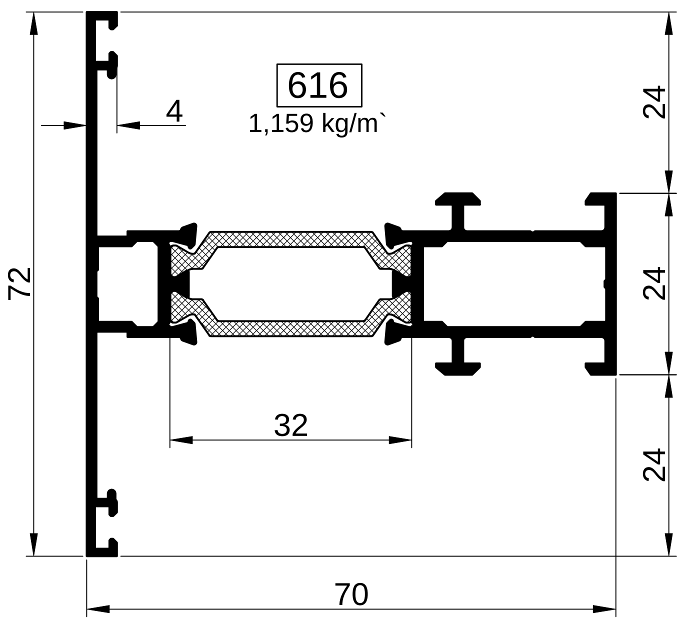

631
1,603 kg/m`
4
93
24
45
24
24
62

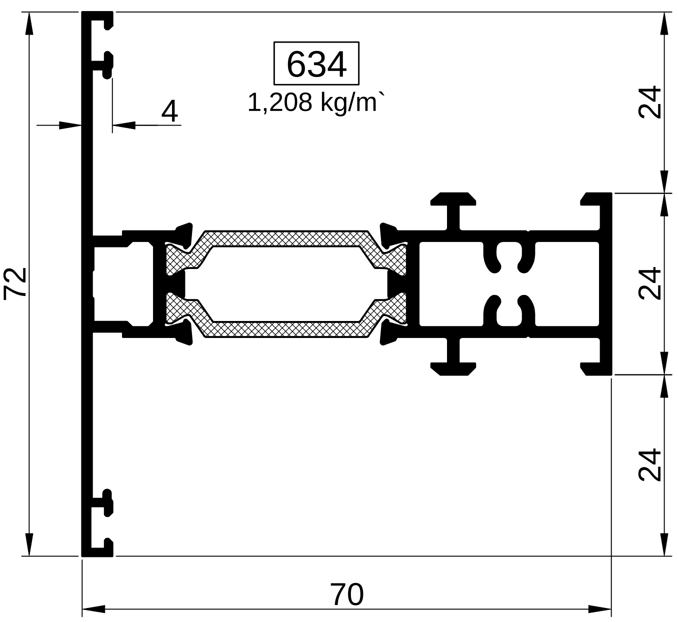

613
1,104 kg/m`
4
72
24
24
24
24
62


632
1,197 kg/m`
4
72
24
24
24
24
62

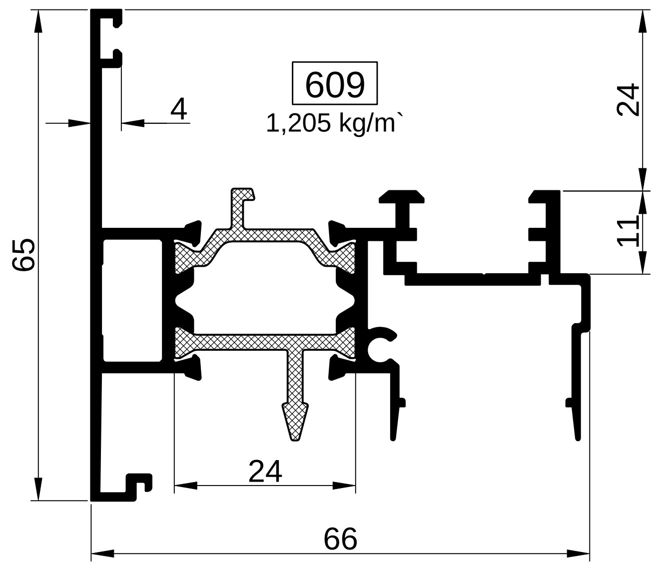

603
1,561 kg/m`
4
24
93
45
32
24
70
x


633
1,614 kg/m`
4
24
93
45
32
24
70

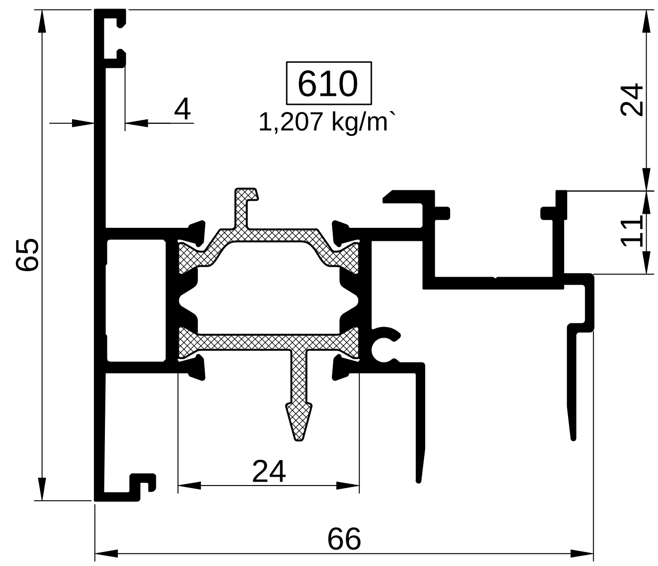

616
1,159 kg/m`
4
24
72
24
32
24
70


634
1,208 kg/m`
4
24
72
24
24
70

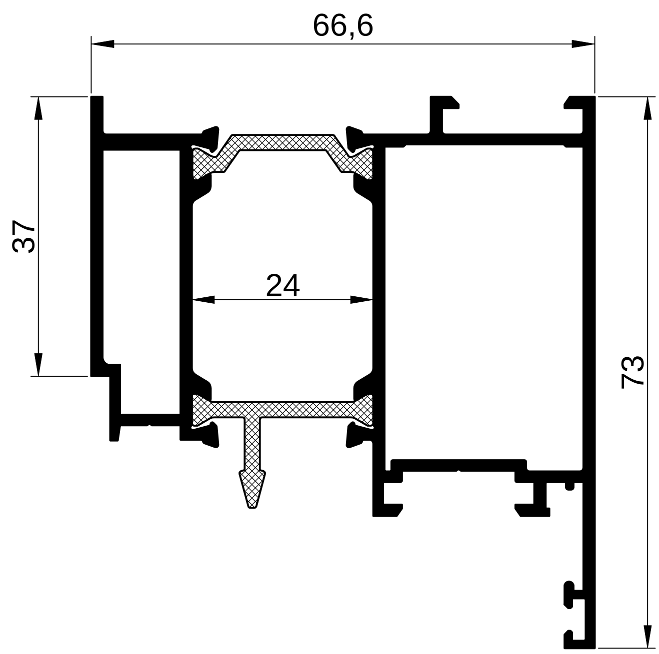
609
1,205 kg/m`



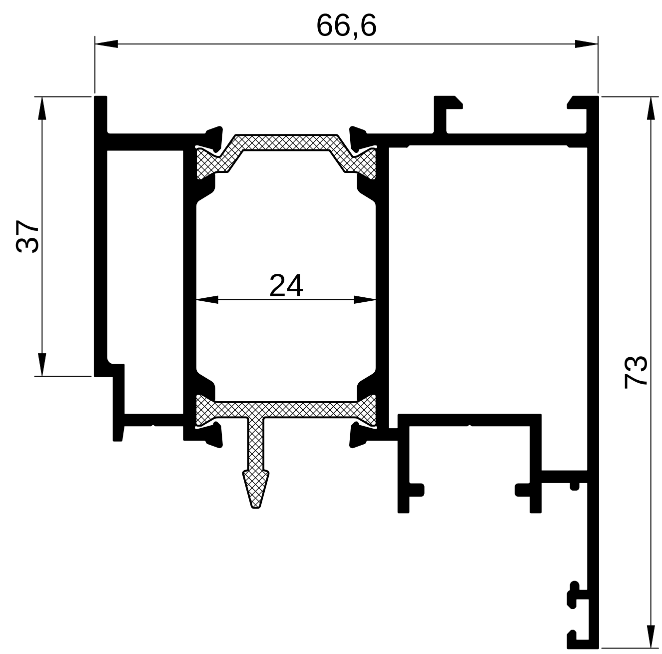
610
1,207 kg/m`

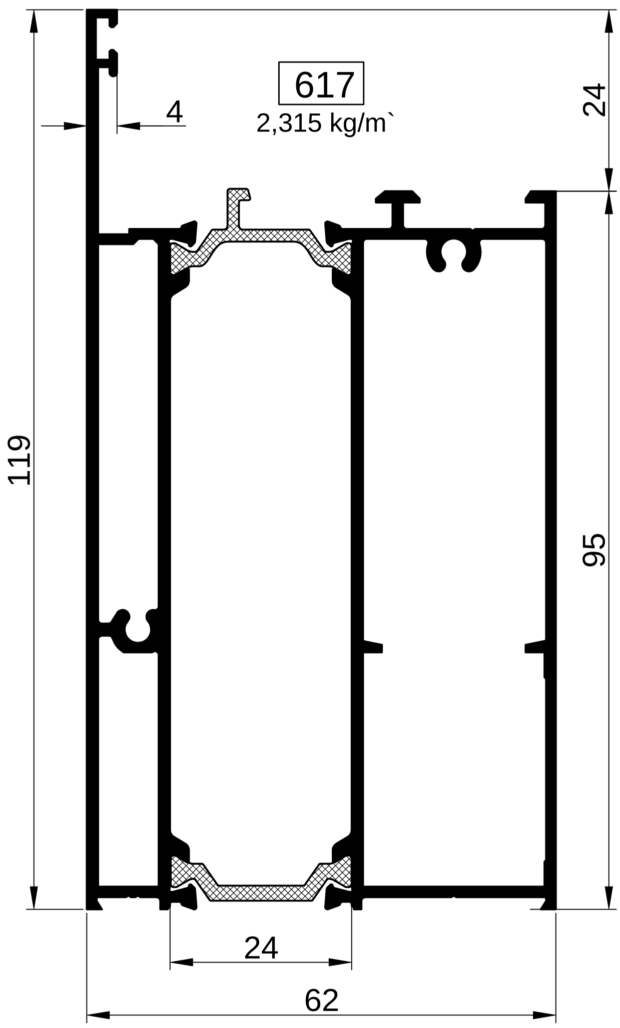


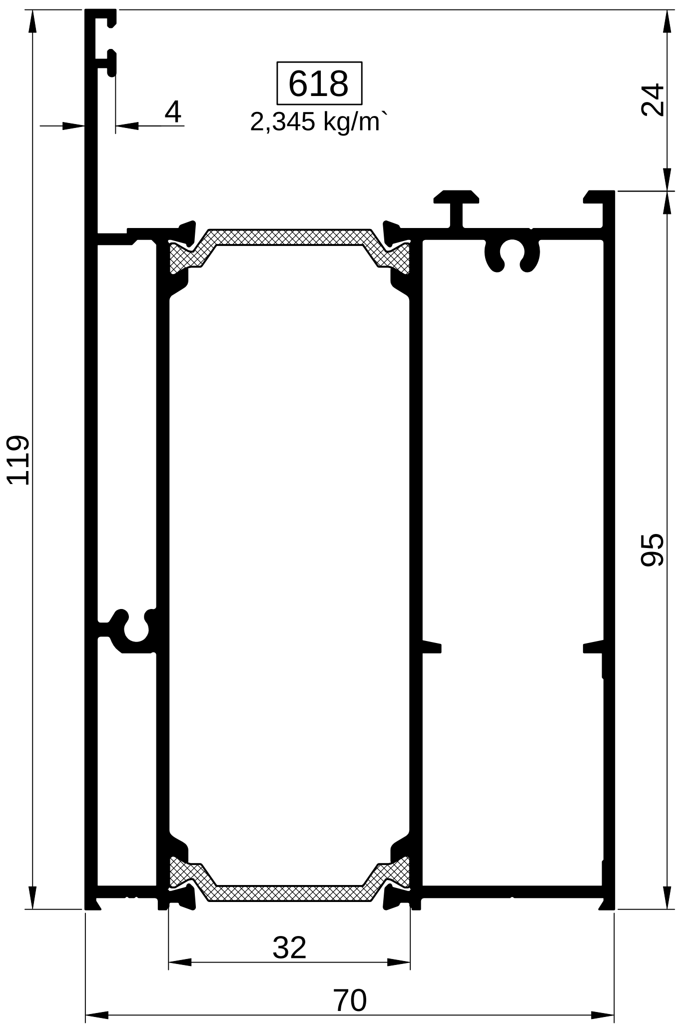
622
1,585 kg/m`

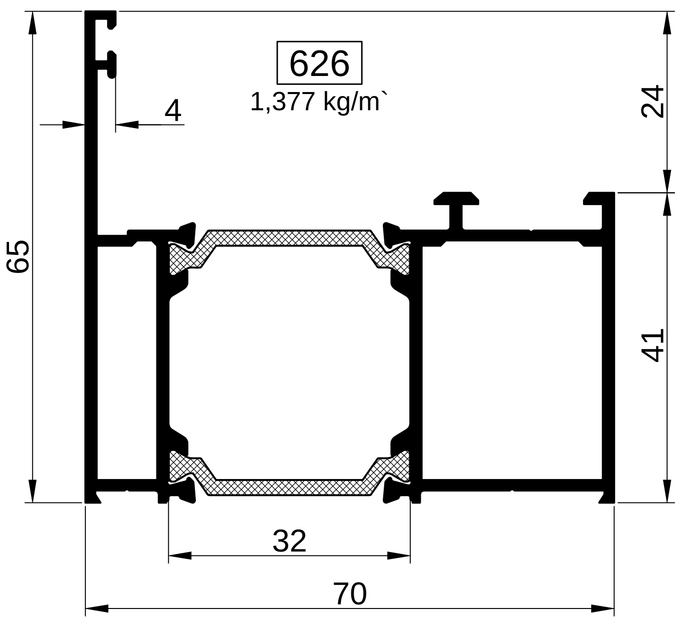


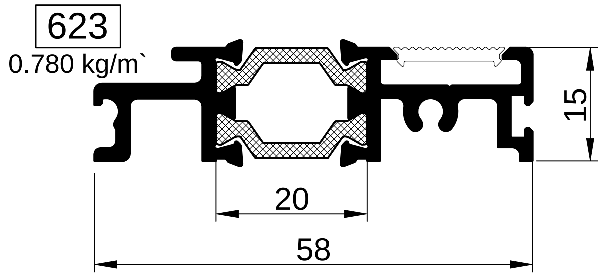
625
1,557 kg/m`

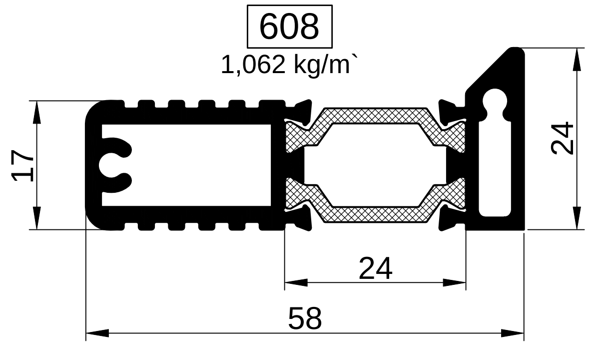


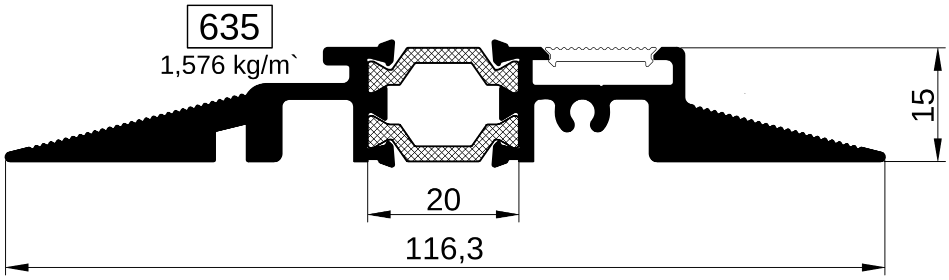

617
2,315 kg/m`
4
24
119
95
24
62

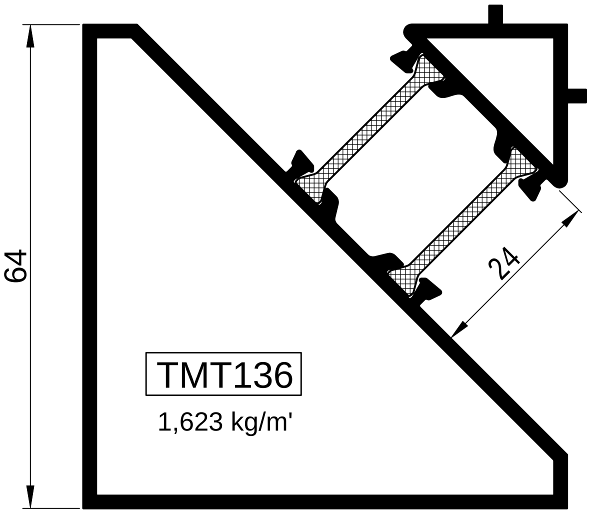

618
2,345 kg/m`
4
24
119
95
32
70

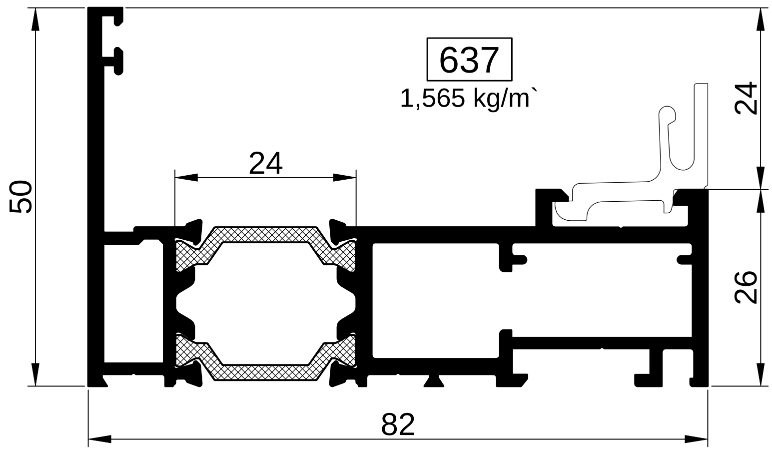

626
1,377 kg/m`
4
24
65
41
32
70

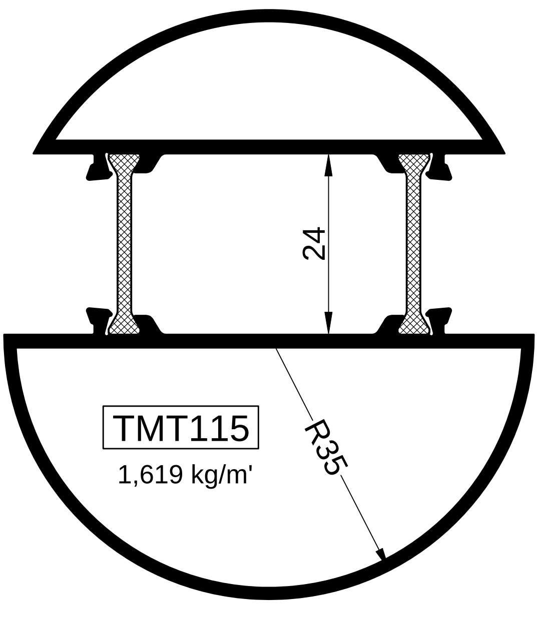

623
0.780 kg/m`
15
20
58

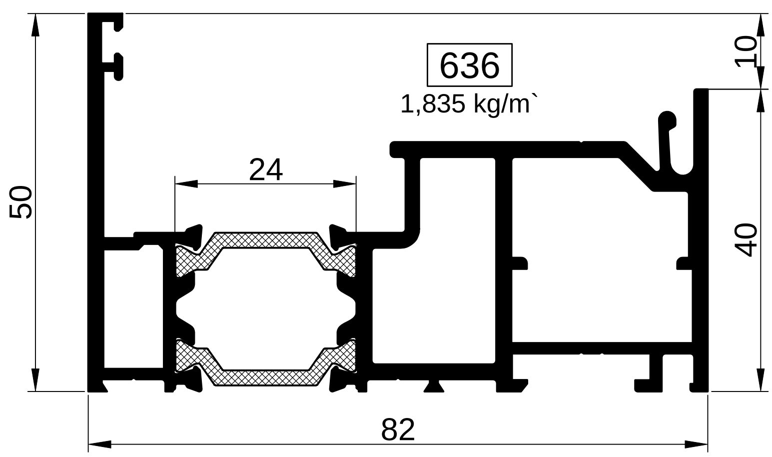

608
1,062 kg/m`
17
24
24
58

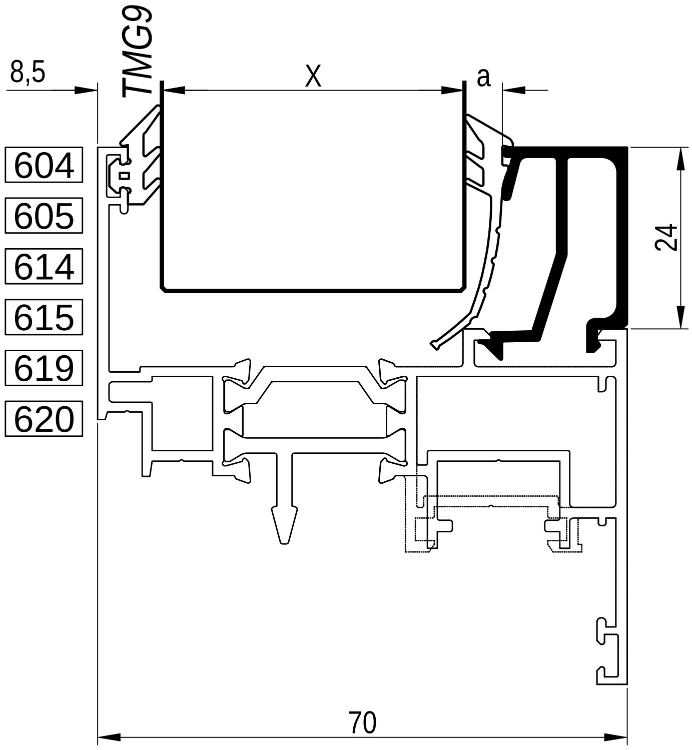

635
1,576 kg/m`
15
20
116,3

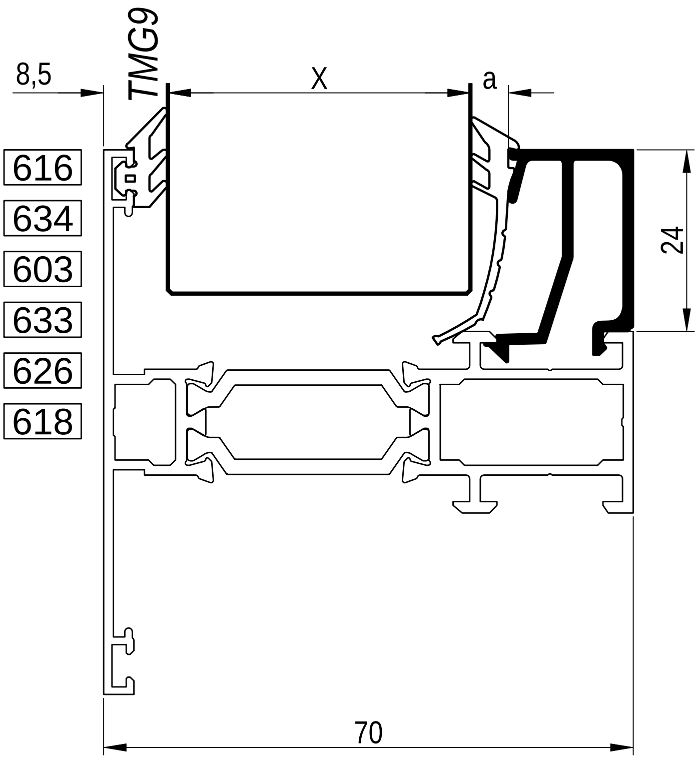

64
24
TMT136
1,623 kg/m'

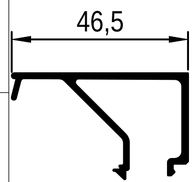
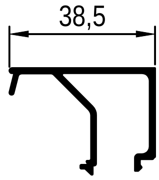
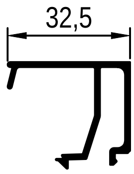
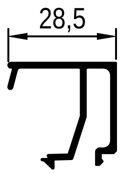
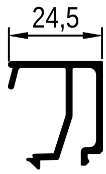
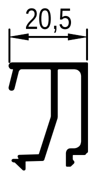
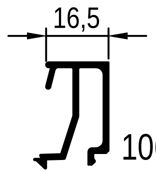
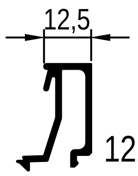
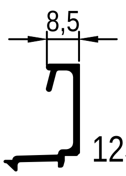
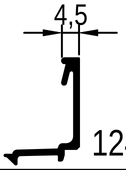

637
1,565 kg/m`
50
24
24
26
82

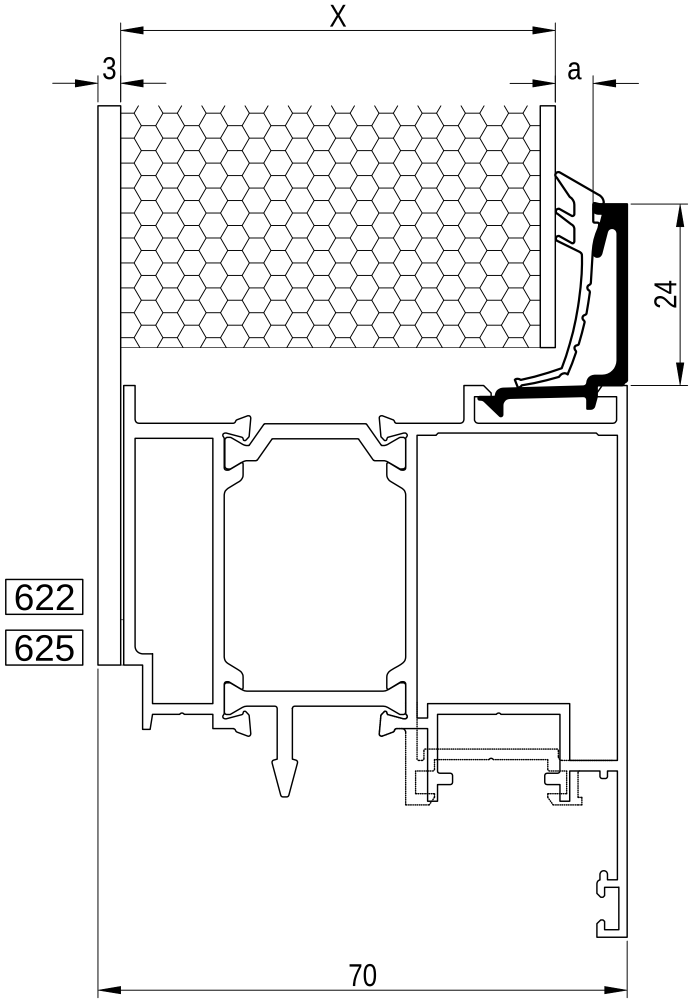

24
R35
TMT115
1,619 kg/m'

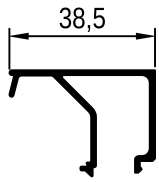
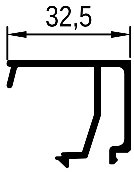
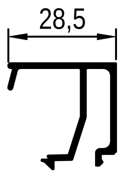
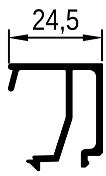
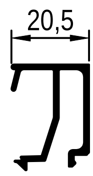
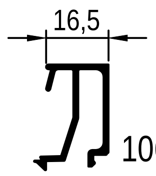
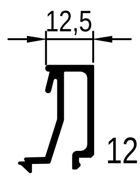
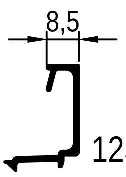
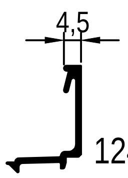

636
1,835 kg/m`
50
24
10
40
82

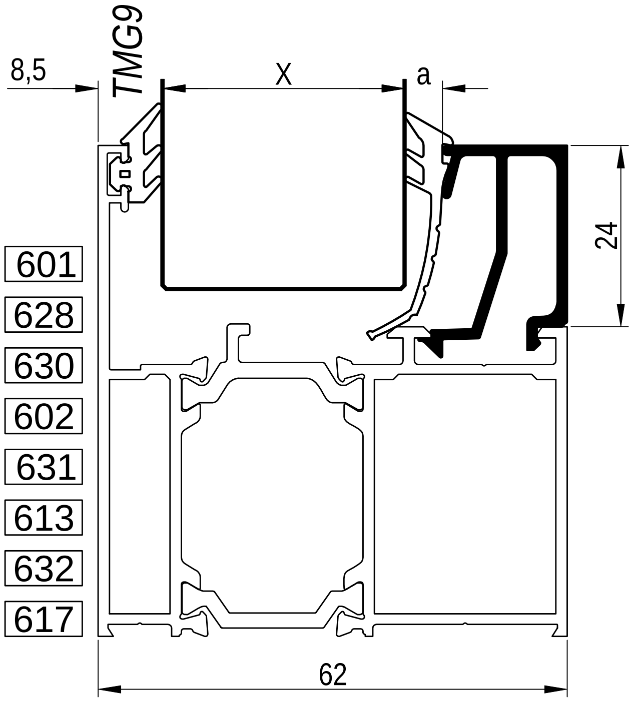


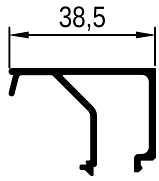
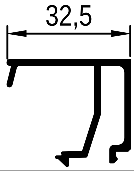
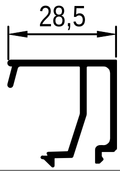
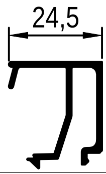
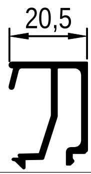
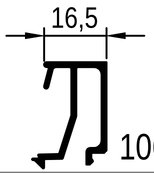
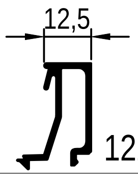


Debljina Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
8 - 9	938	7 - 6	 107
10 -11	921	5 - 4	
16 -17	938	7 - 6	 108
18 - 19	921	5 - 4	
22 - 23	938	7 - 6	 101
24 - 25	921	5 - 4	
26 - 27	938	7 - 6	 117
28 - 29	921	5 - 4	
30 - 31	938	7 - 6	 100
32 - 33	921	5 - 4	
34 - 35	938	7 - 6	 116
36 - 37	921	5 - 4	
38 - 39	938	7 - 6	 106
40 - 41	921	5 - 4	
42 - 43	938	7 - 6	 122
44 - 45	921	5 - 4	
46 - 47	938	7 - 6	 123
48 - 49	921	5 - 4	
50 - 51	938	7 - 6	 124
52 - 53	921	5 - 4	



Debljina Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
21.5	938	7	 38,5 108
23.5	921	5	
27.5	938	7	 32,5 101
29.5	921	5	
31.5	938	7	 28,5 117
33.5	921	5	
35.5	938	7	 24,5 100
37.5	921	5	
39.5	938	7	 20,5 116
41.5	921	5	
43.5	938	7	 16,5 106
45.5	921	5	
47.5	938	7	 12,5 122
49.5	921	5	
51.5	938	7	 8,5 123
53.5	921	5	
55.5	938	7	 4,5 124
57.5	921	5	



Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
8 - 9	938	7 - 6	 38,5 108
10 -11	921	5 - 4	
16 -17	921	5 - 4	 32,5 101
18 - 19	938	7 - 6	 28,5 117
22 - 23	938	7 - 6	 24,5 100
24 - 25	921	5 - 4	
26 - 27	938	7 - 6	 20,5 116
28 - 29	921	5 - 4	
30 - 31	938	7 - 6	 16,5 106
32 - 33	921	5 - 4	
34 - 35	938	7 - 6	 12,5 122
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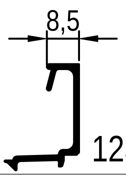
38 - 39	938	7 - 6	 8,5 123
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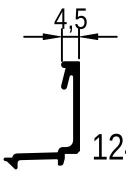
42 - 43	938	7 - 6	 4,5 124
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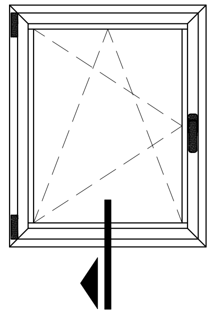

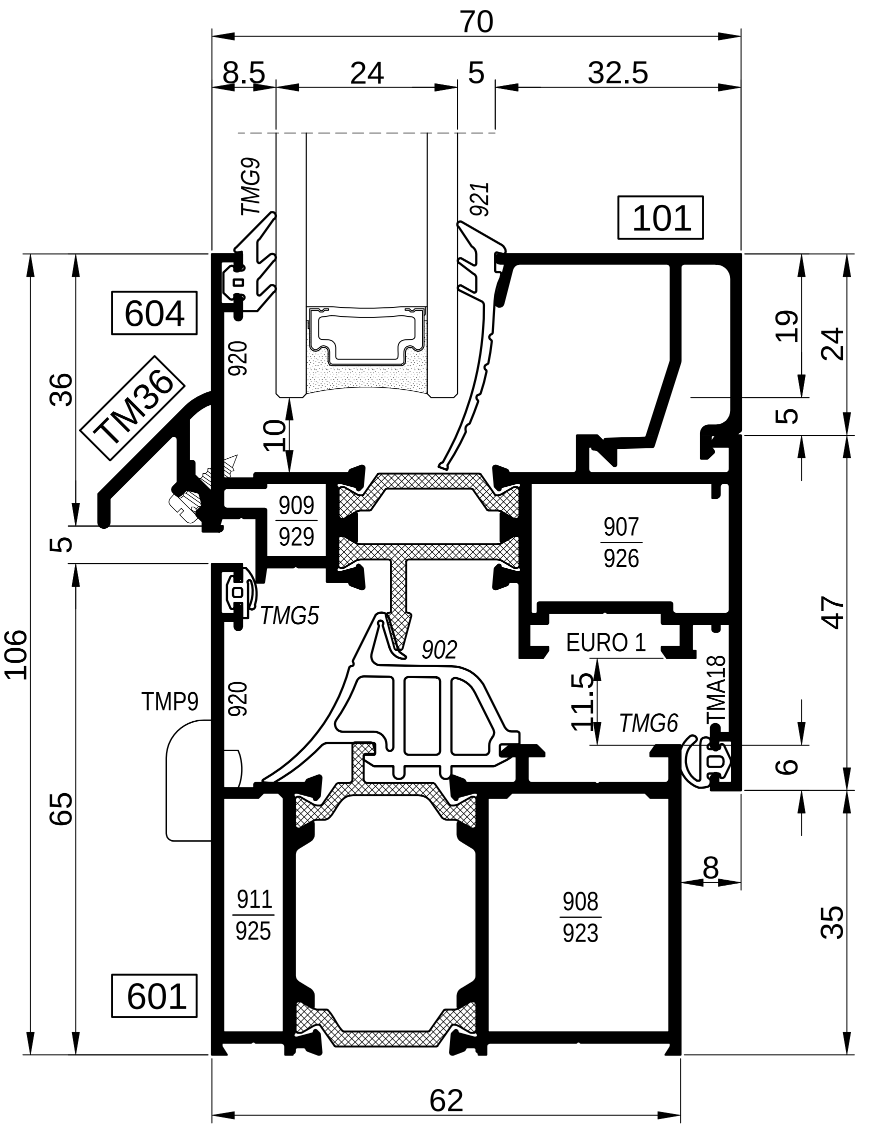
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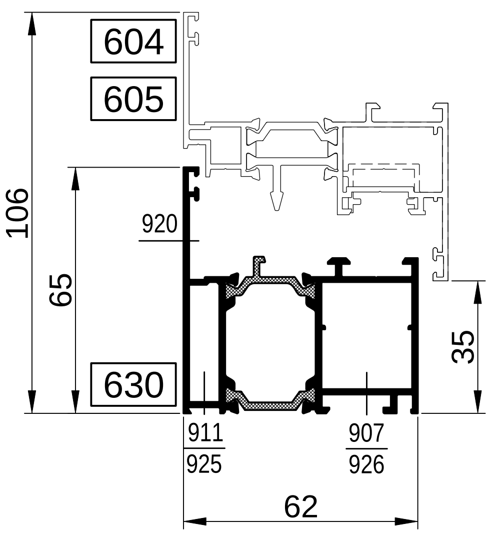
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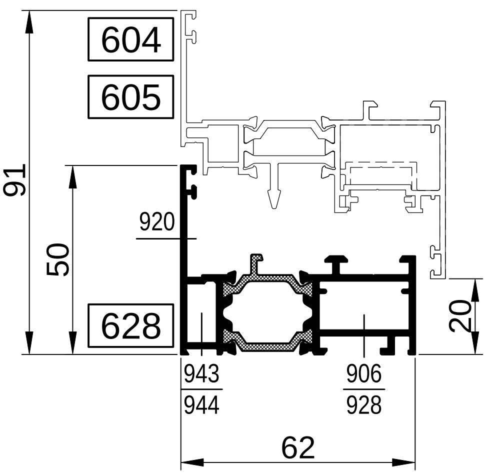
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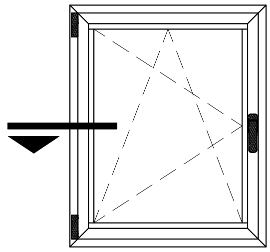

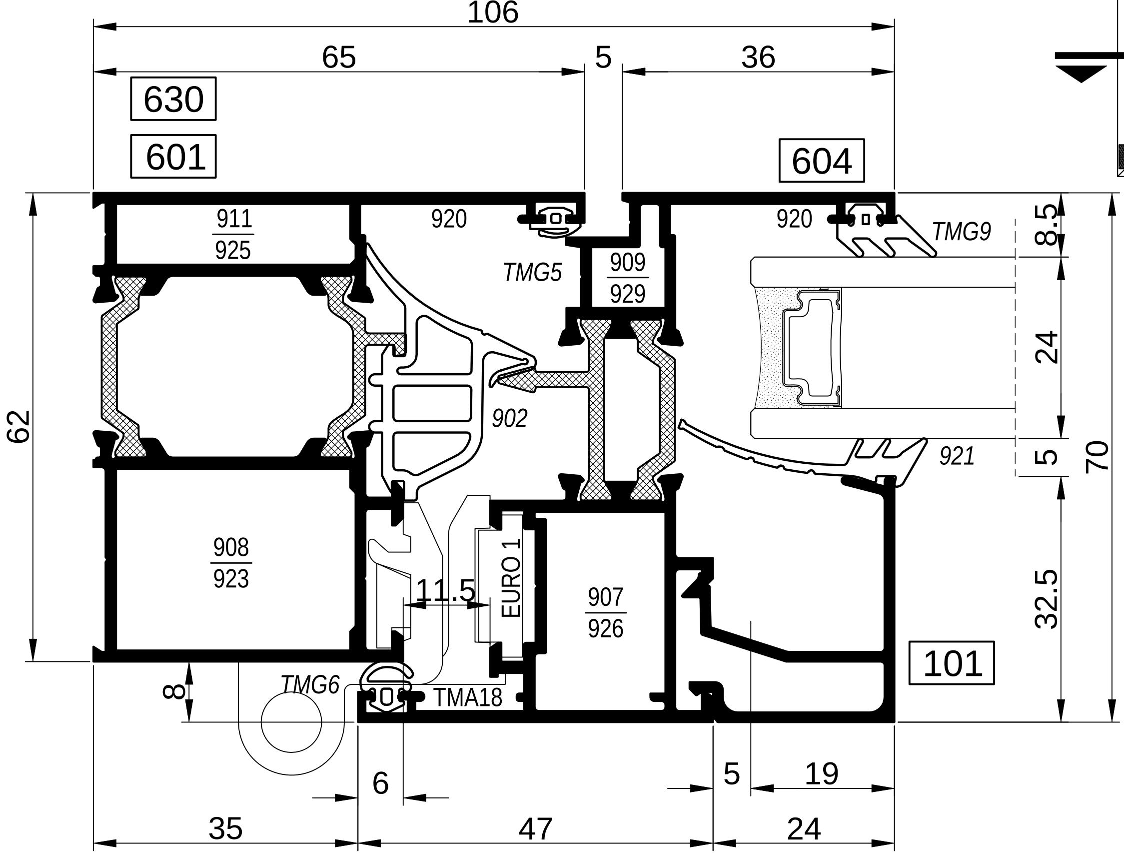
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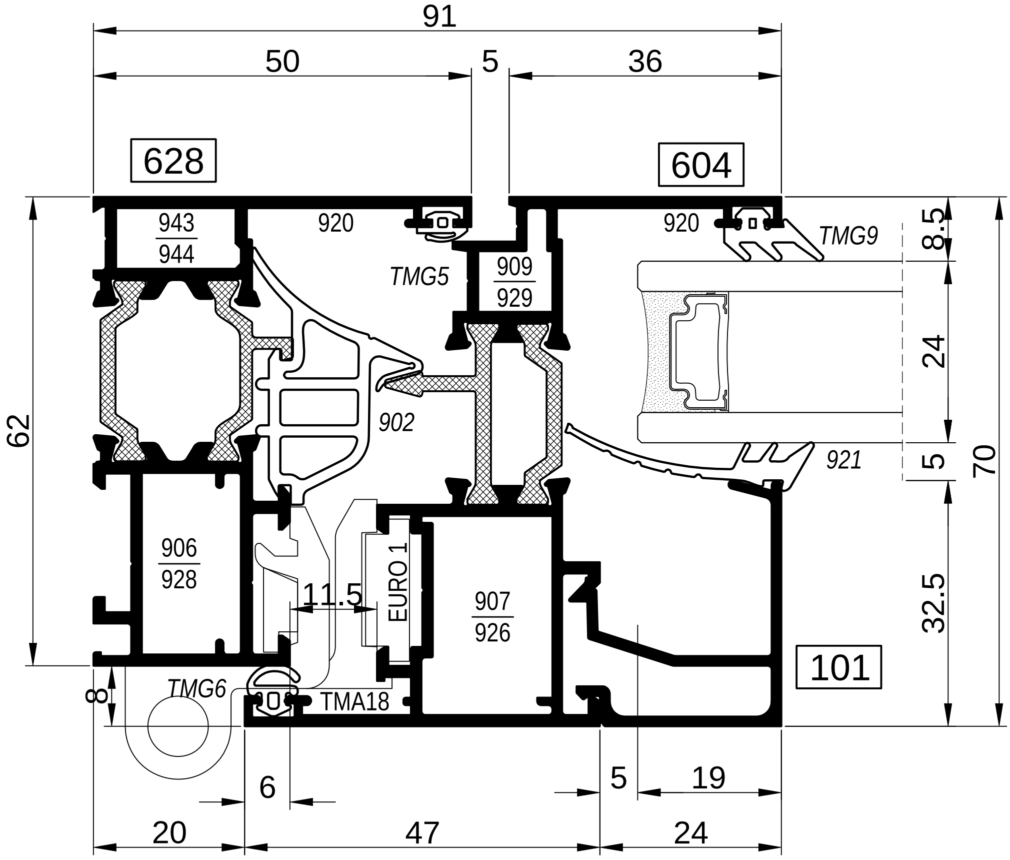
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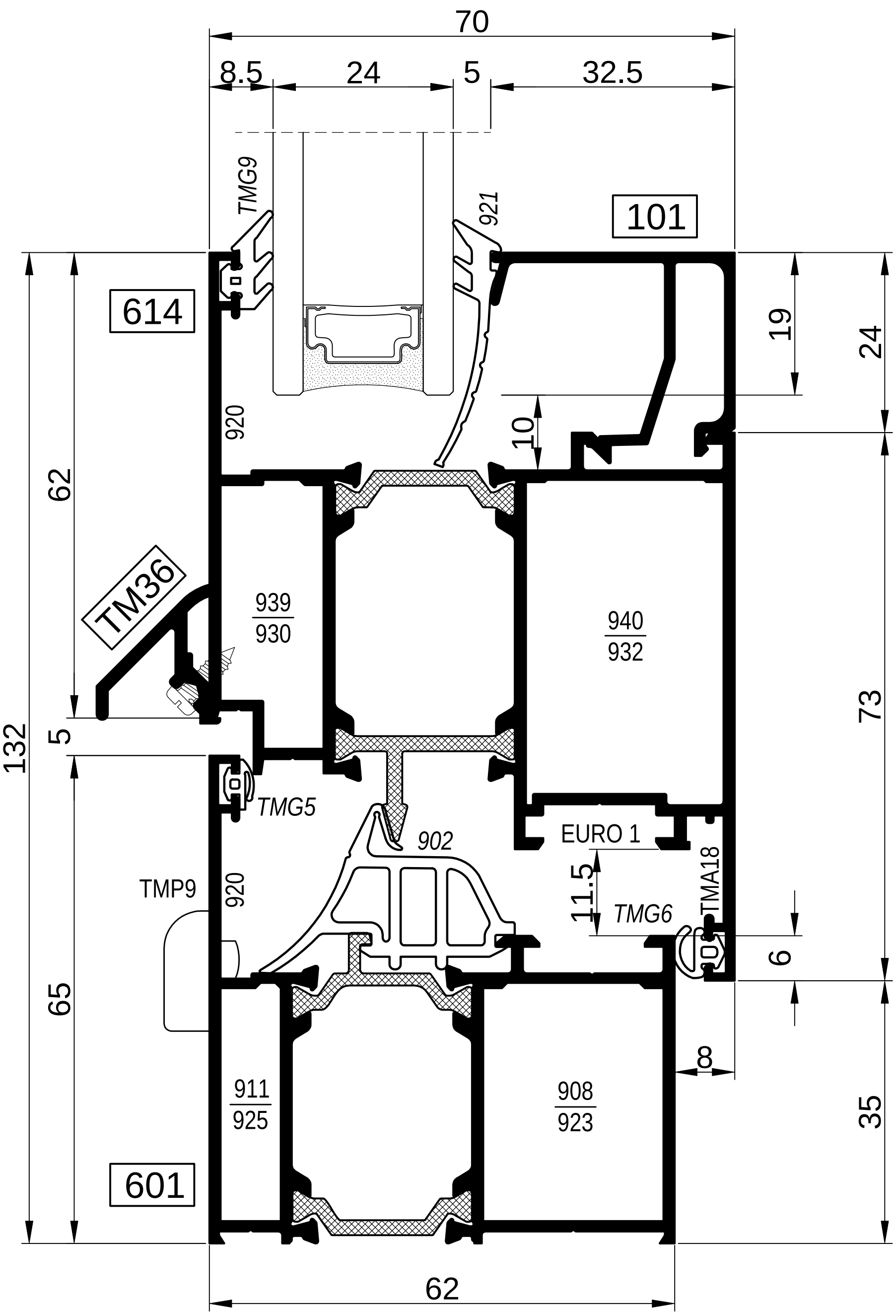
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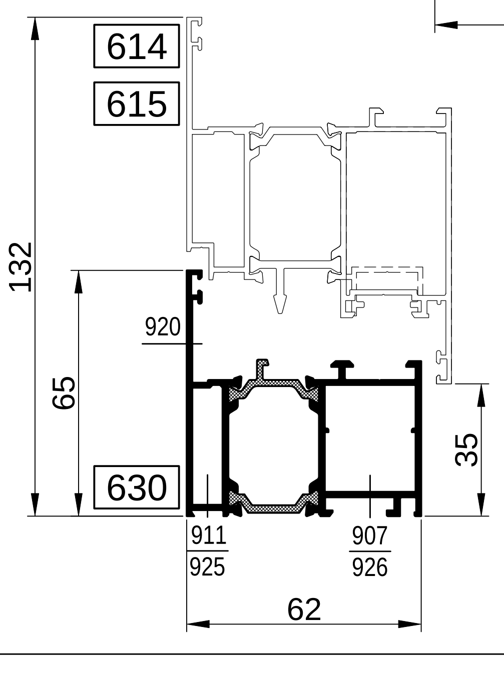
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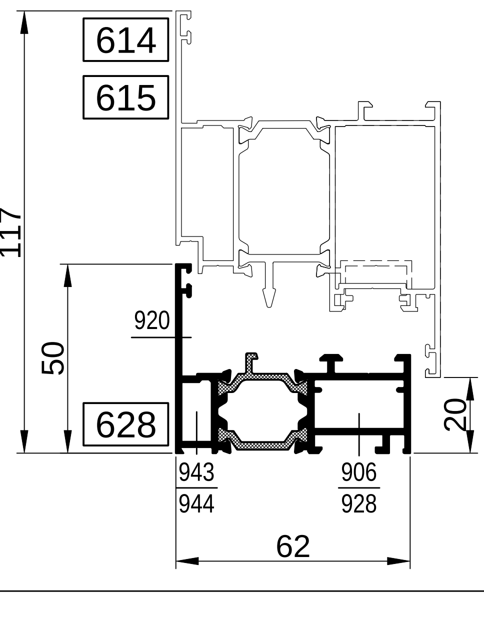
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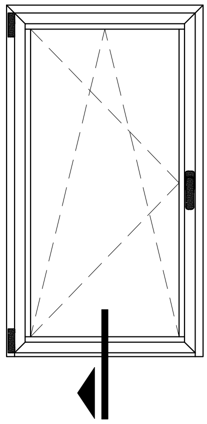

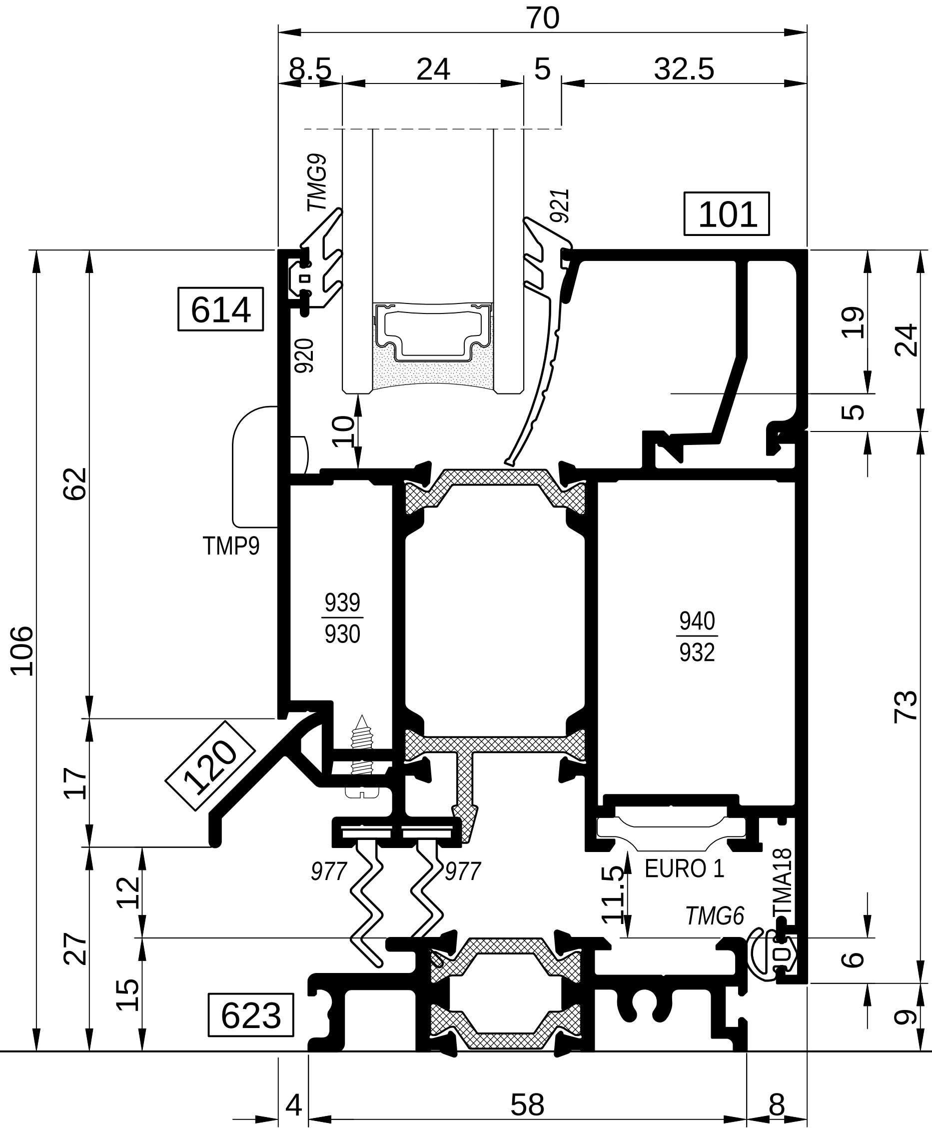
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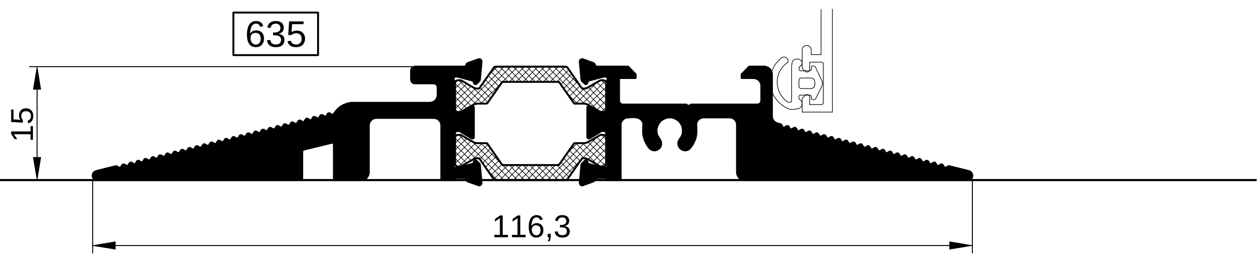
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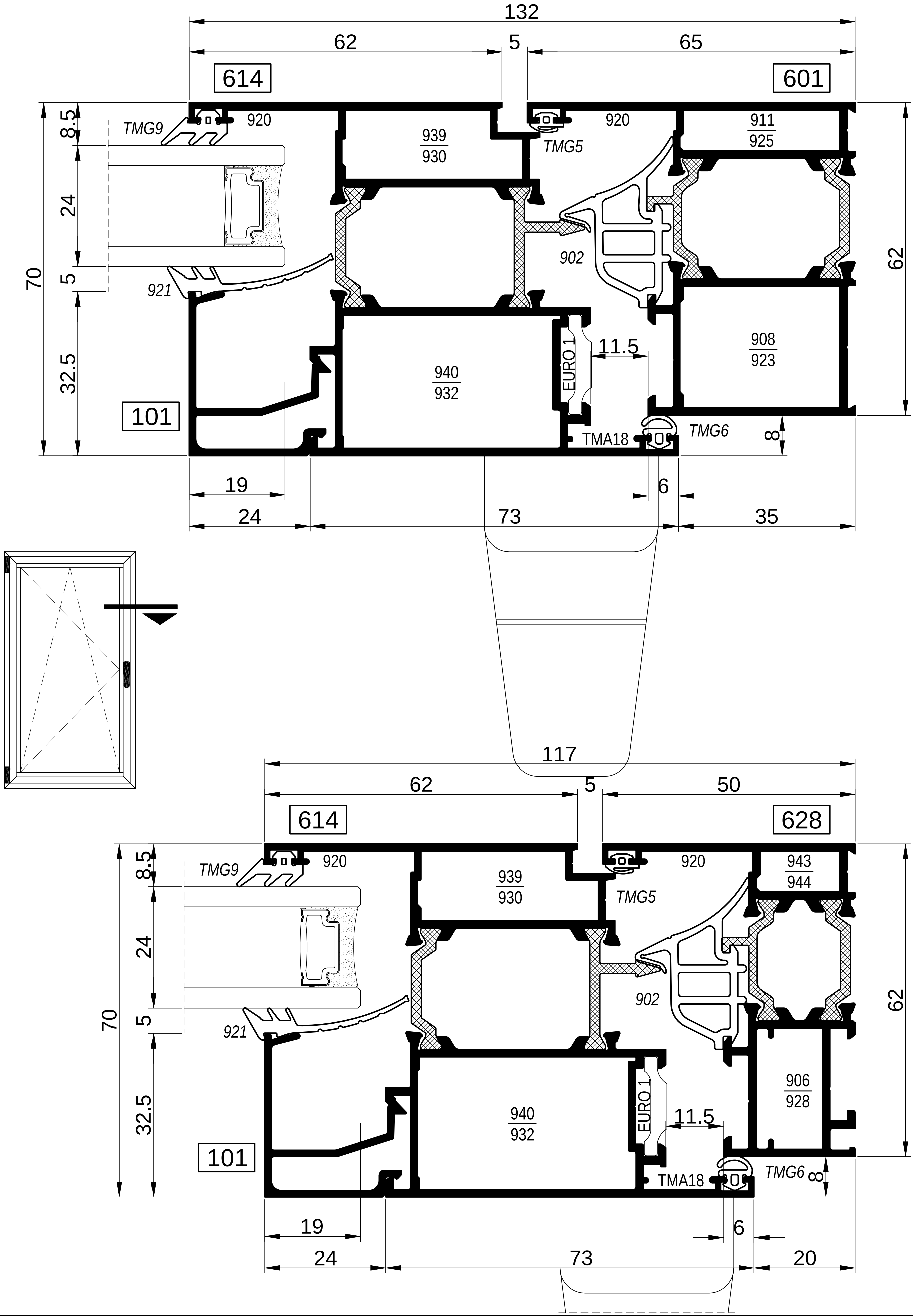
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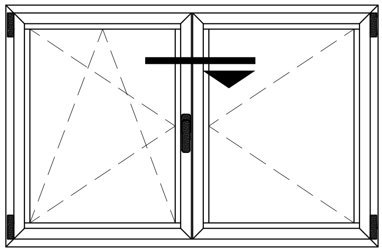

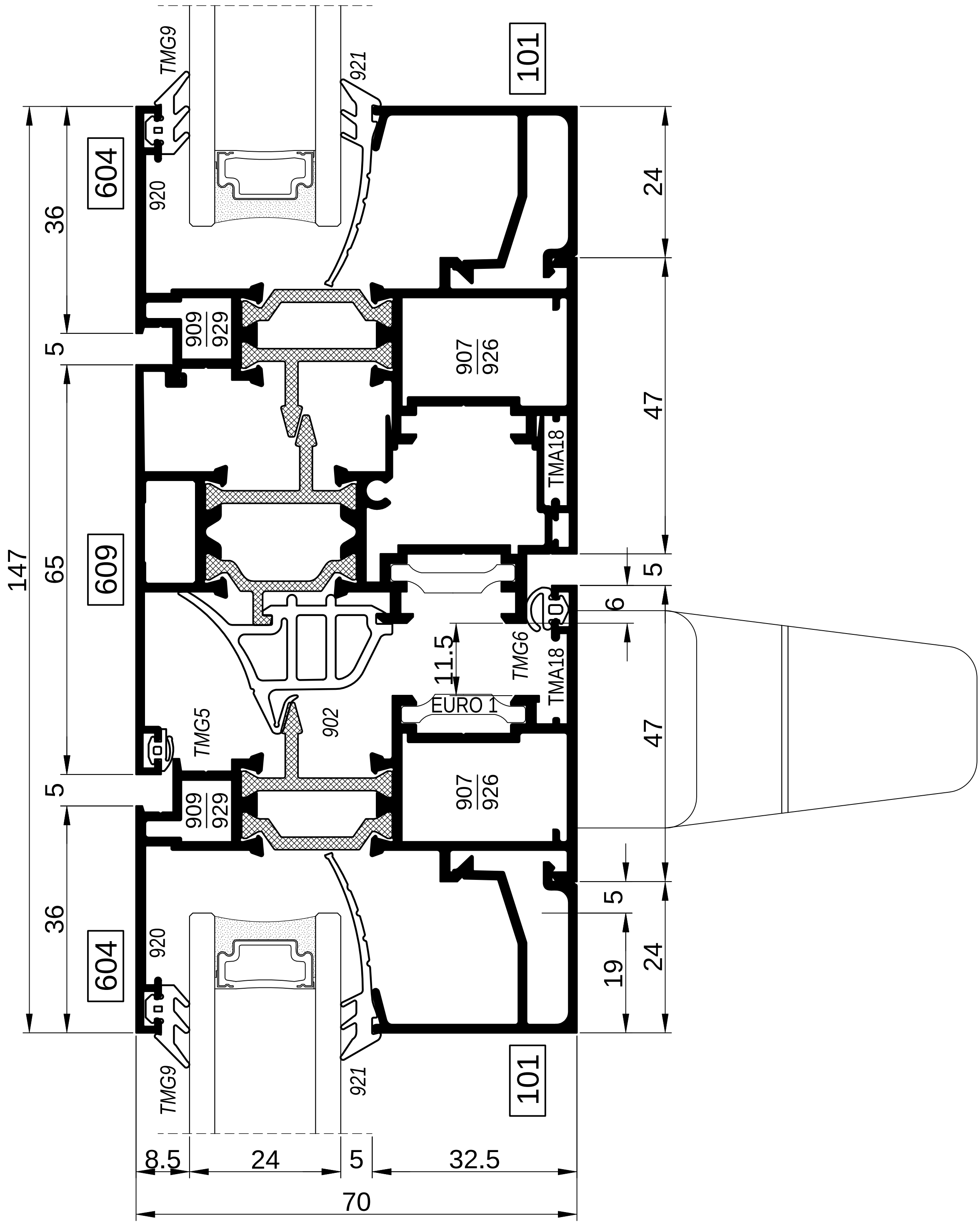
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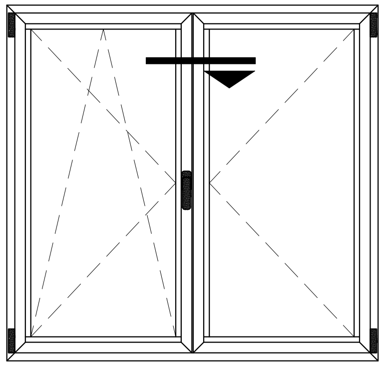

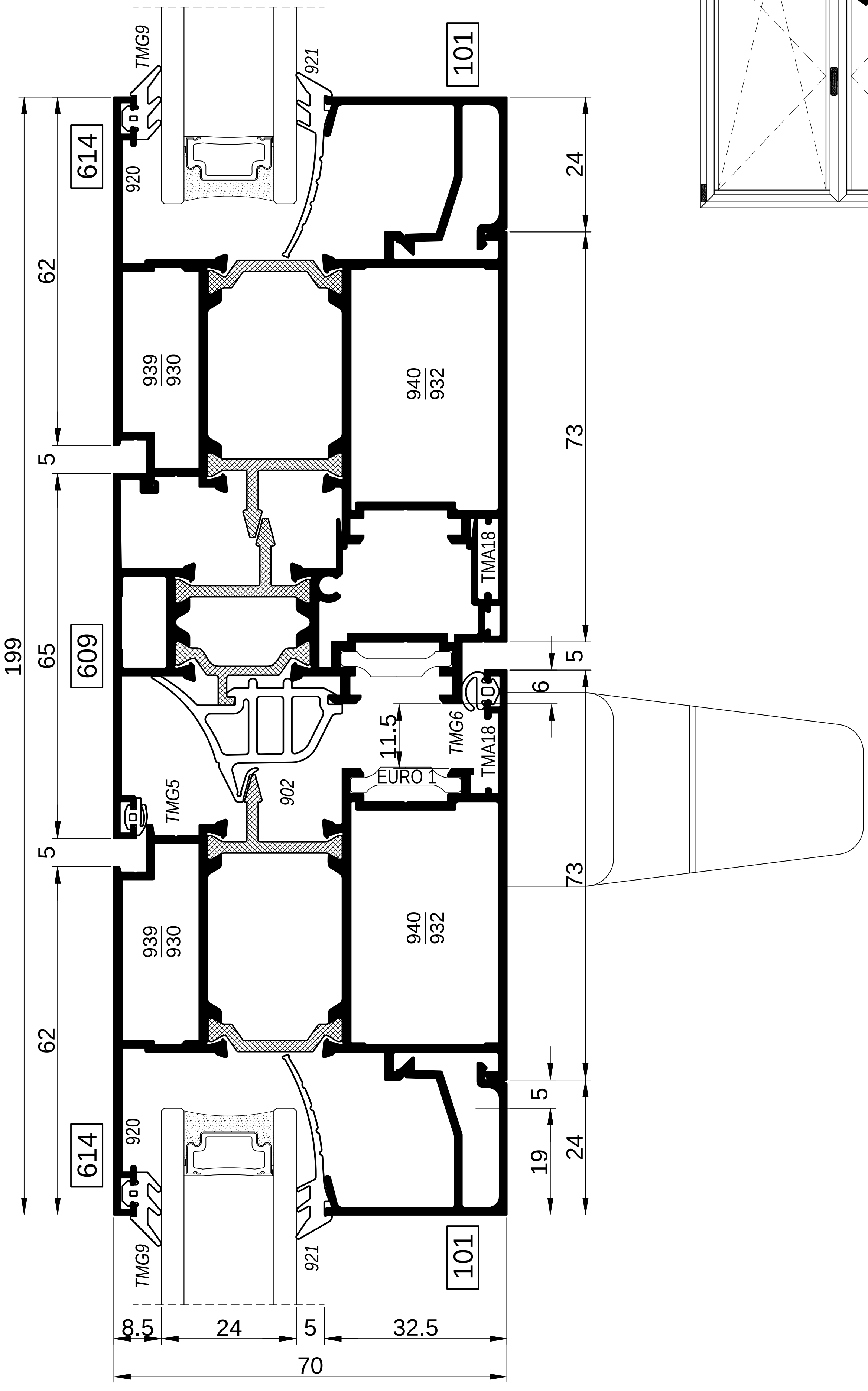
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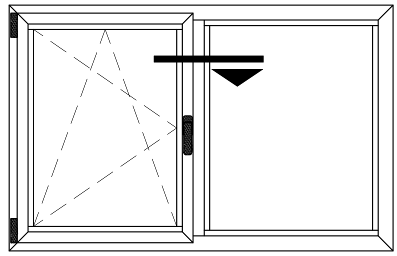

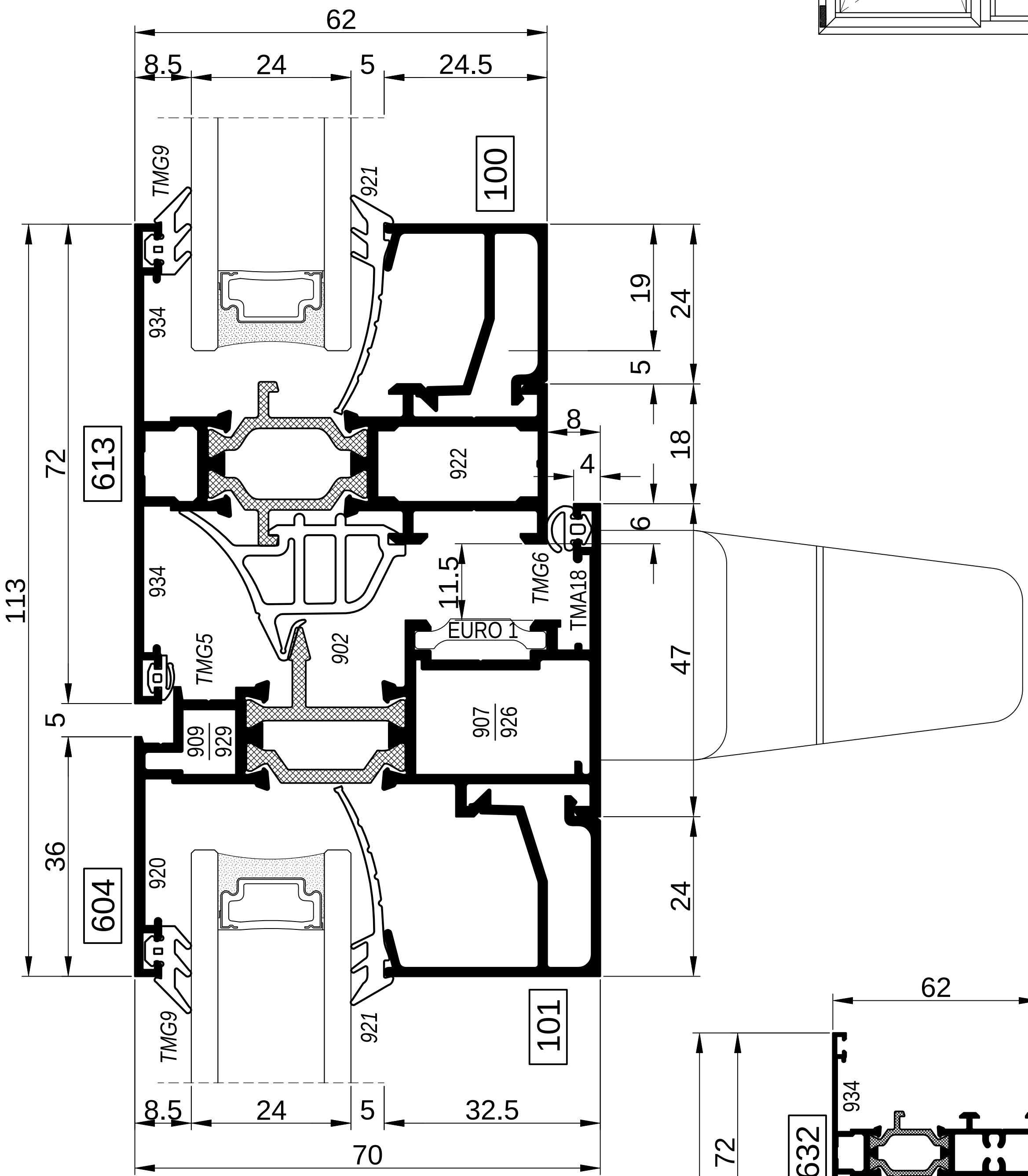
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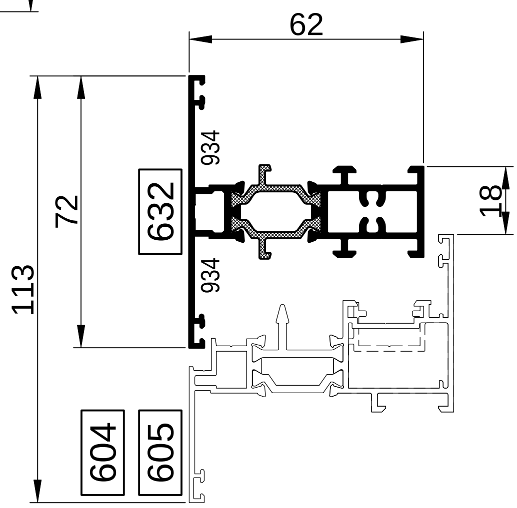
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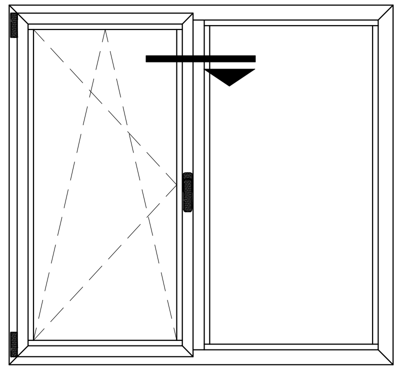

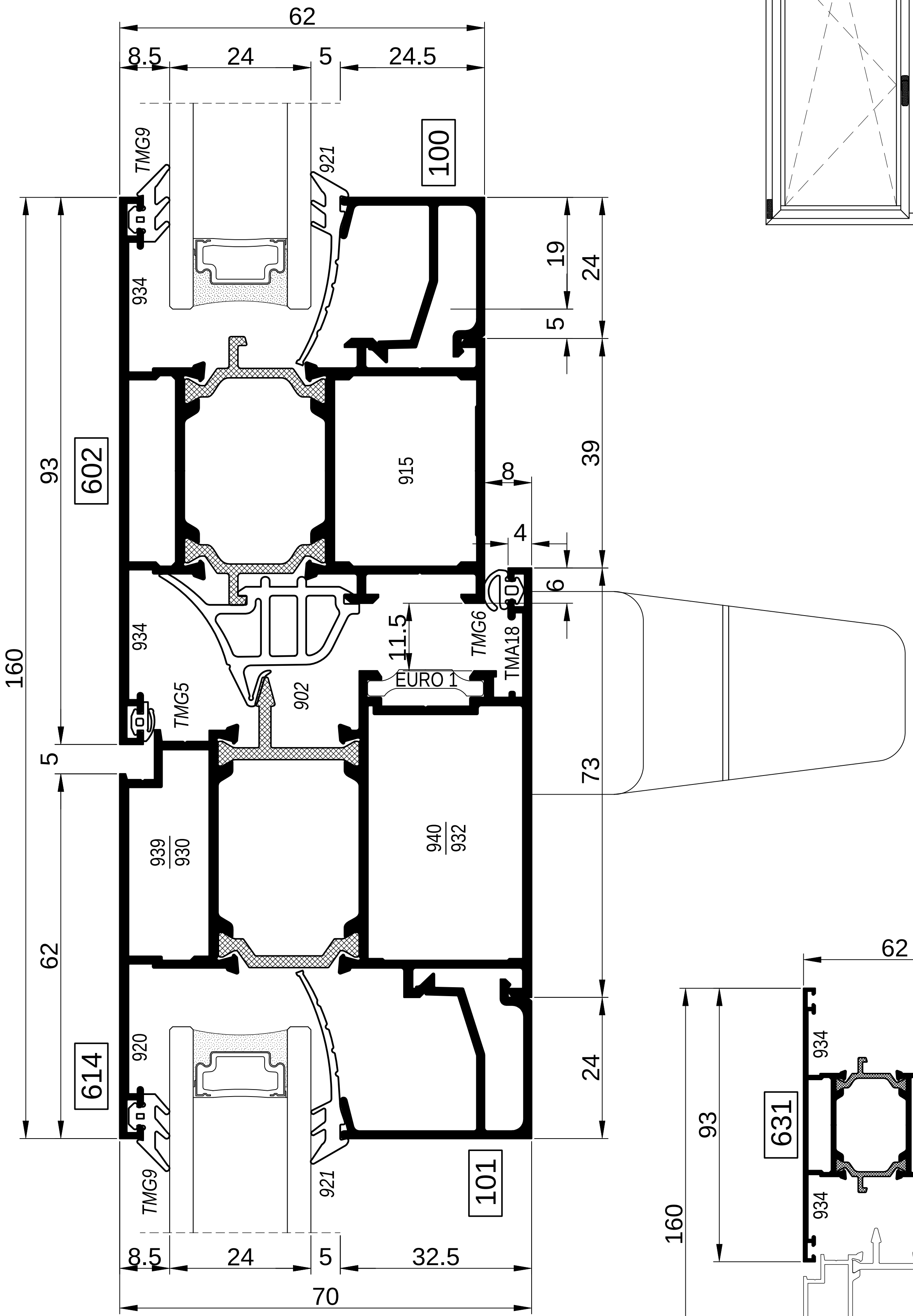
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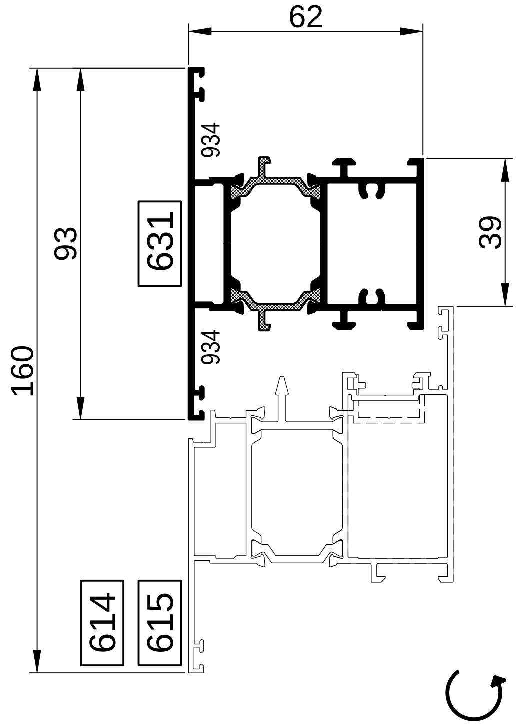
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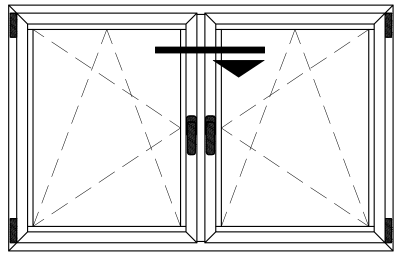

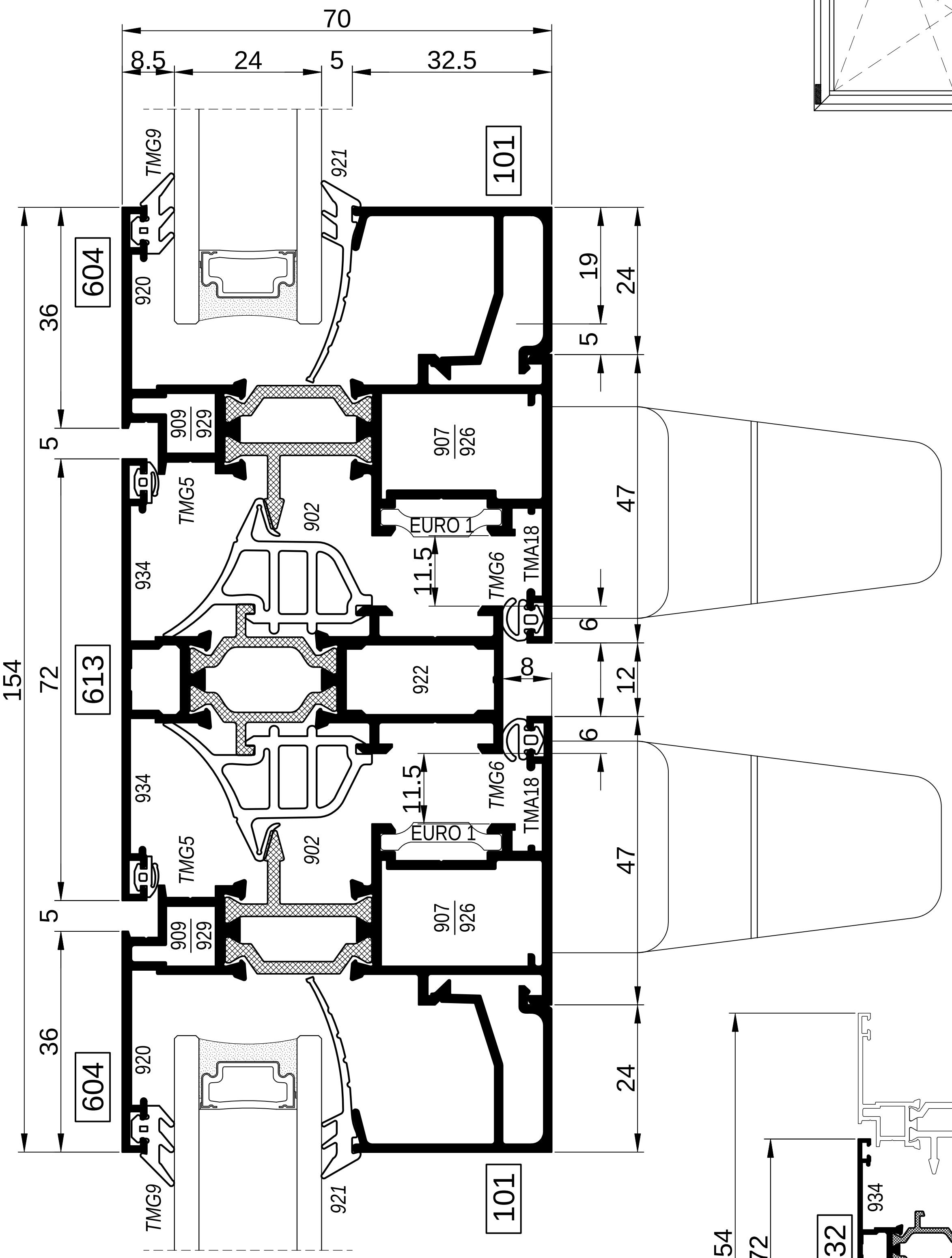
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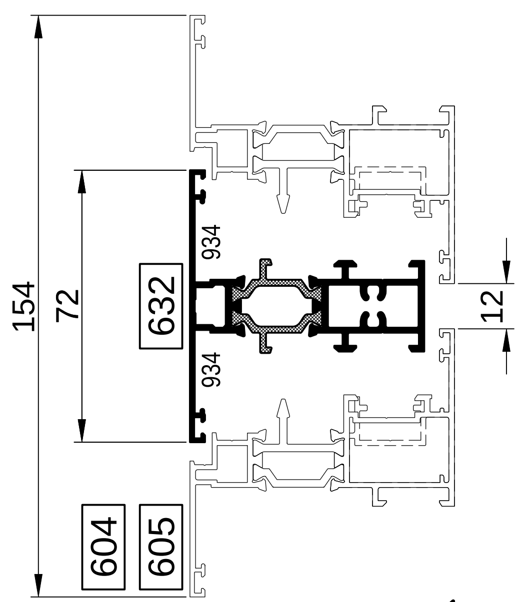
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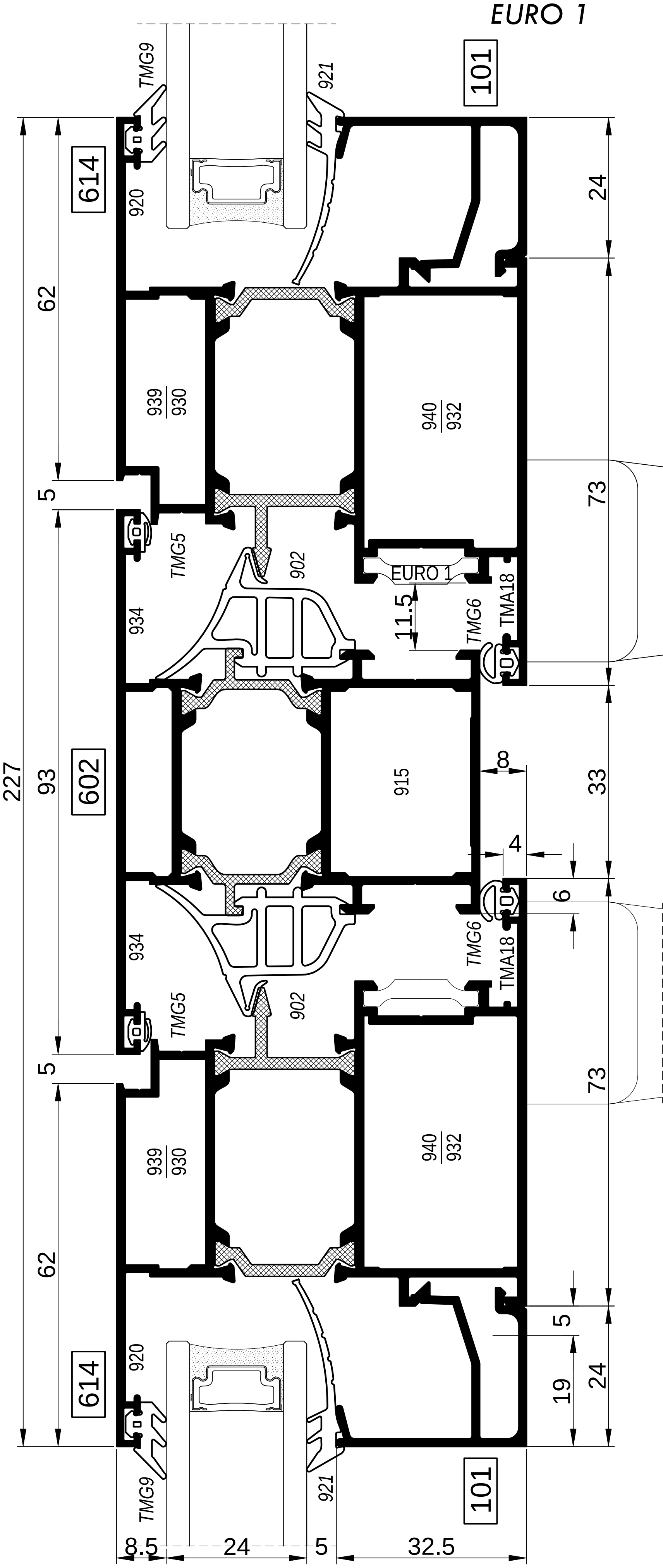
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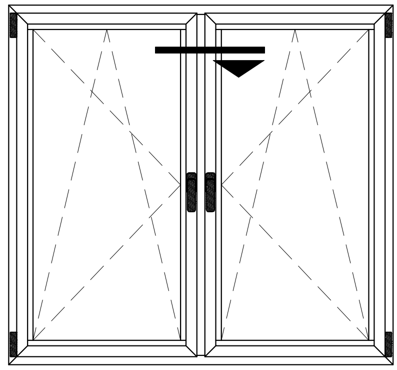

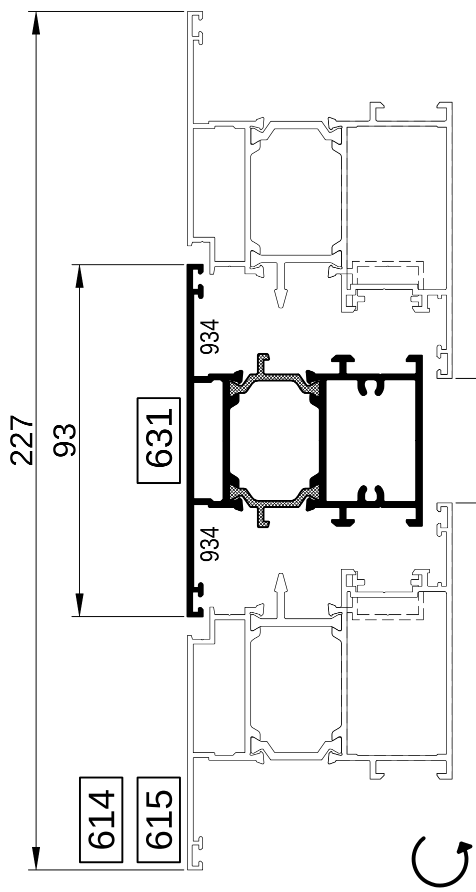
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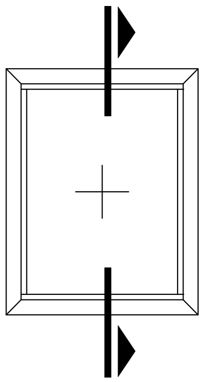

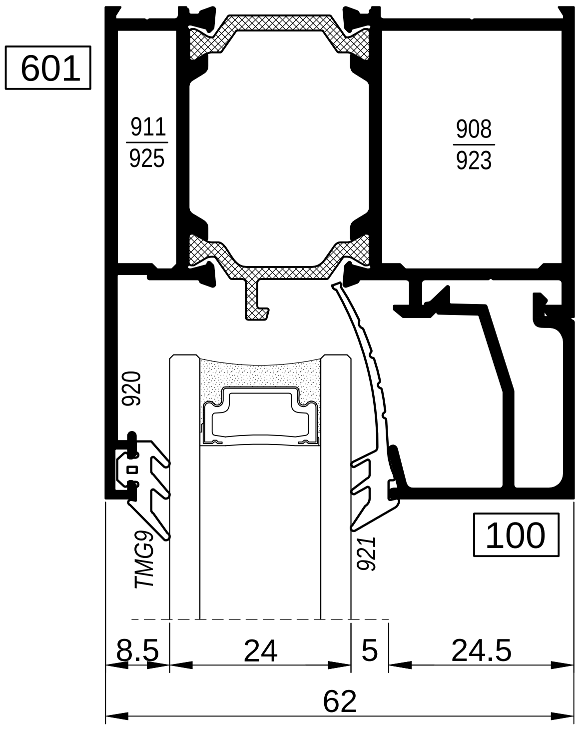
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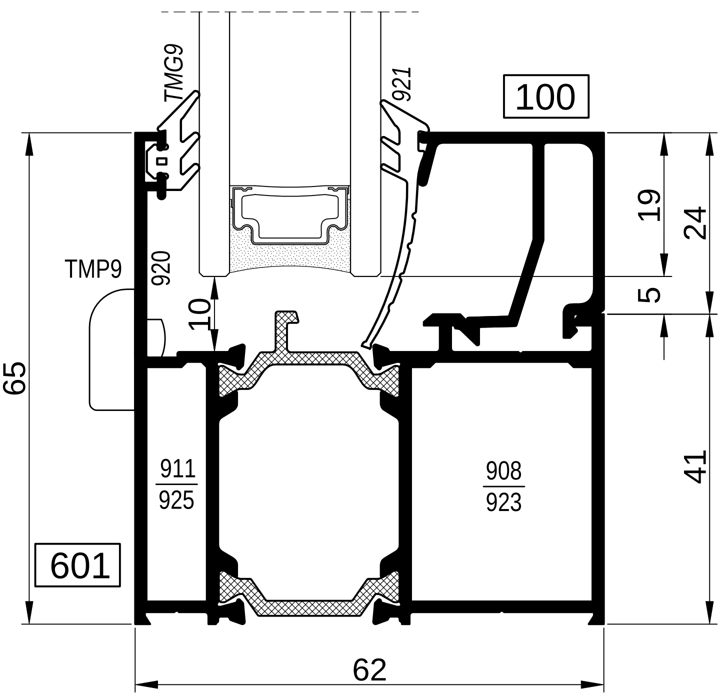
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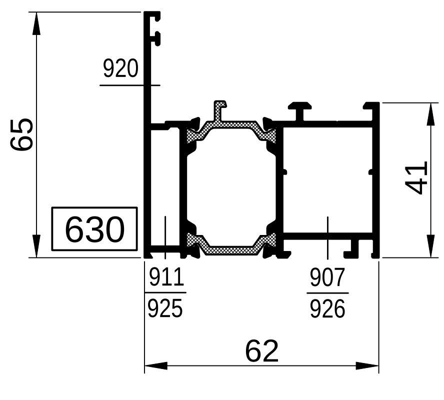
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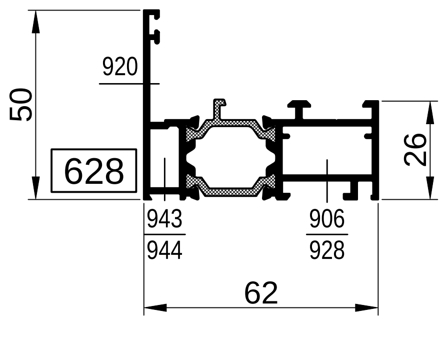
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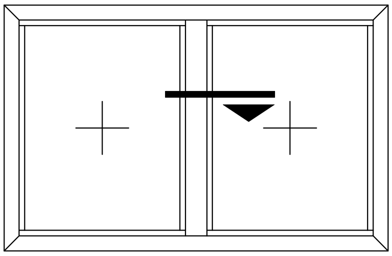

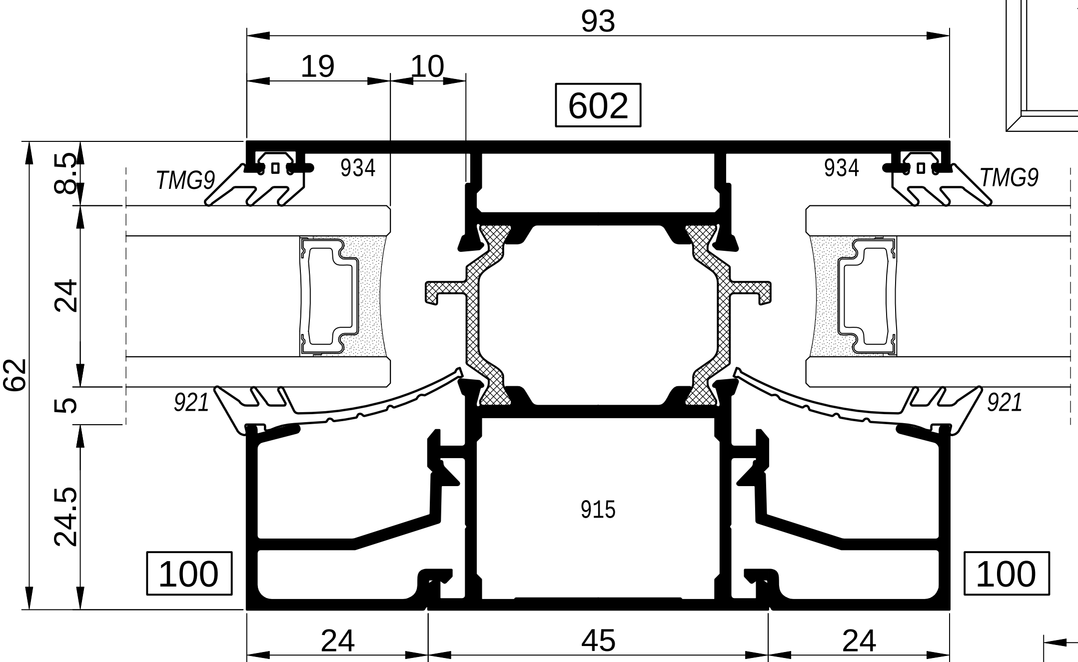
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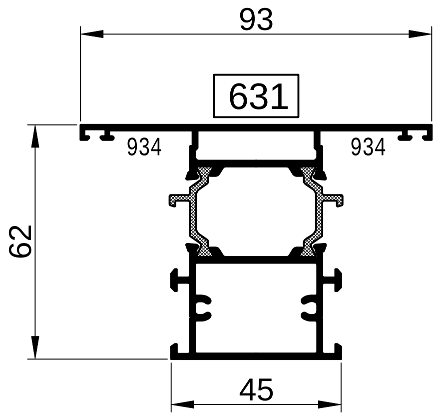
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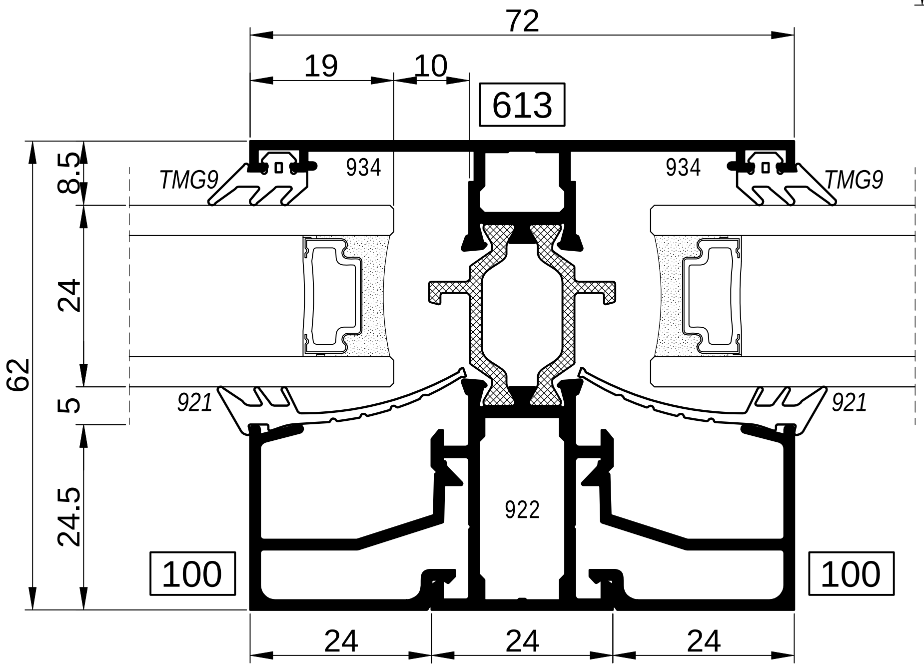
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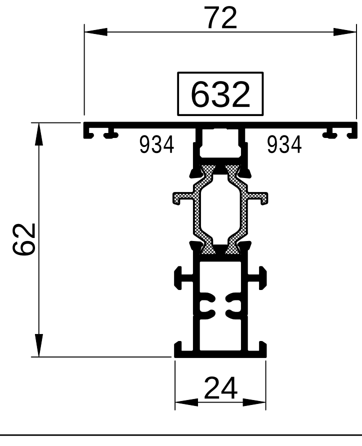
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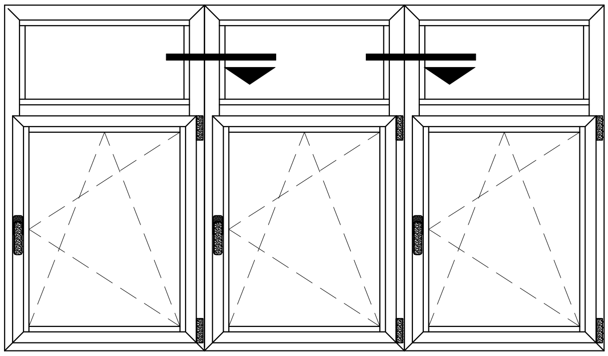

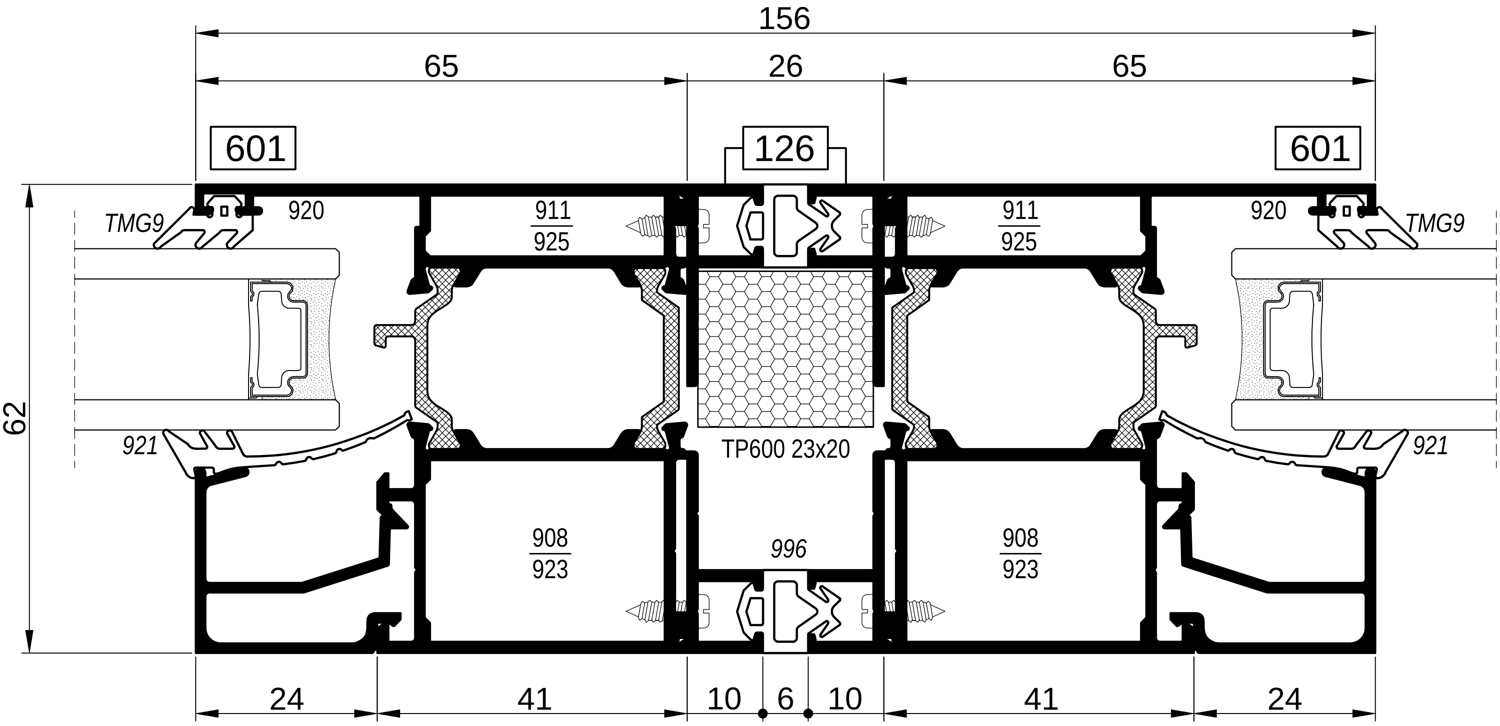
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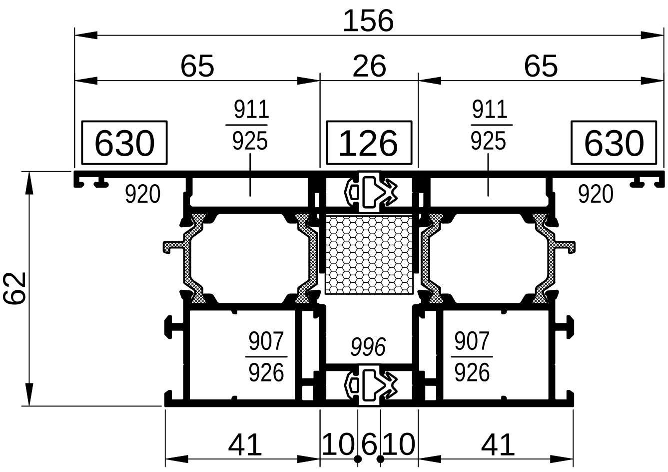
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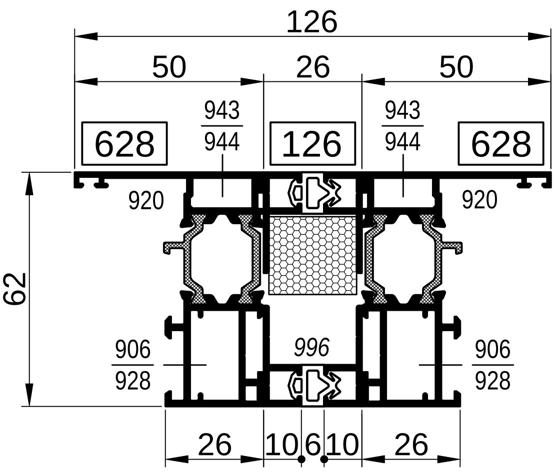
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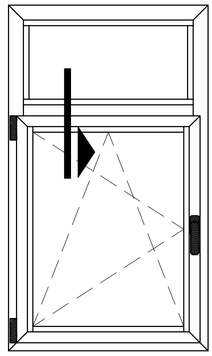

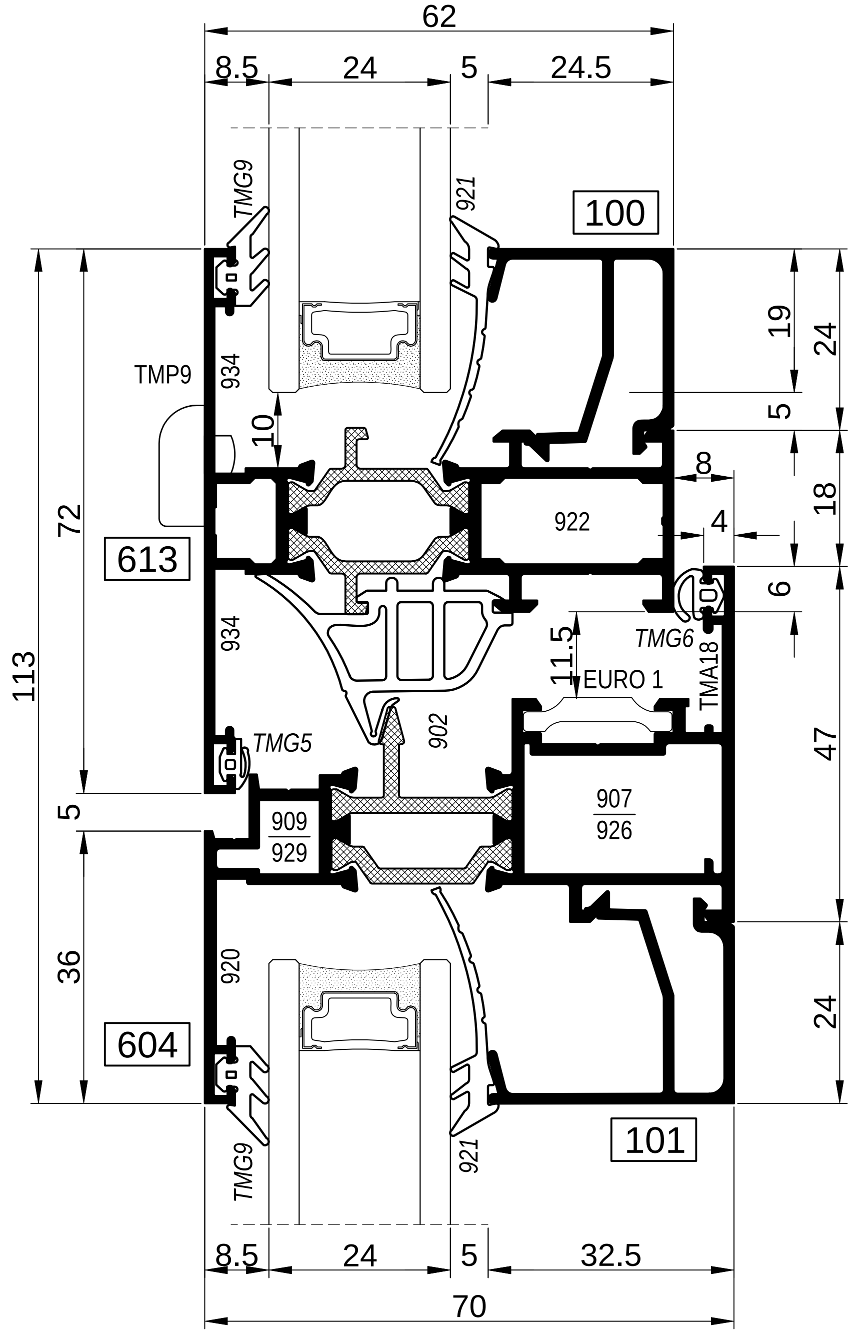
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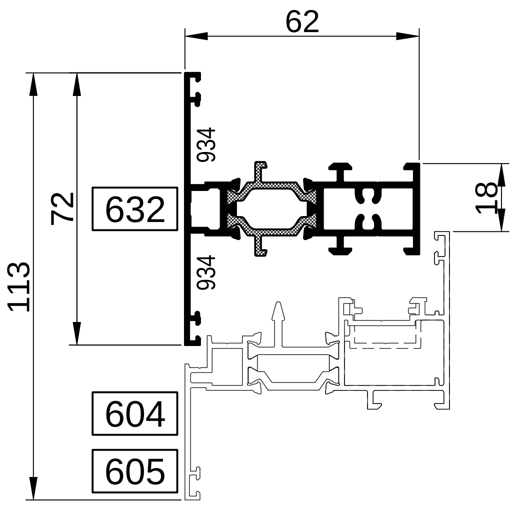
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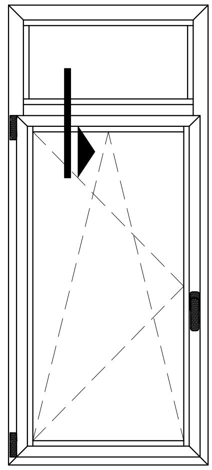

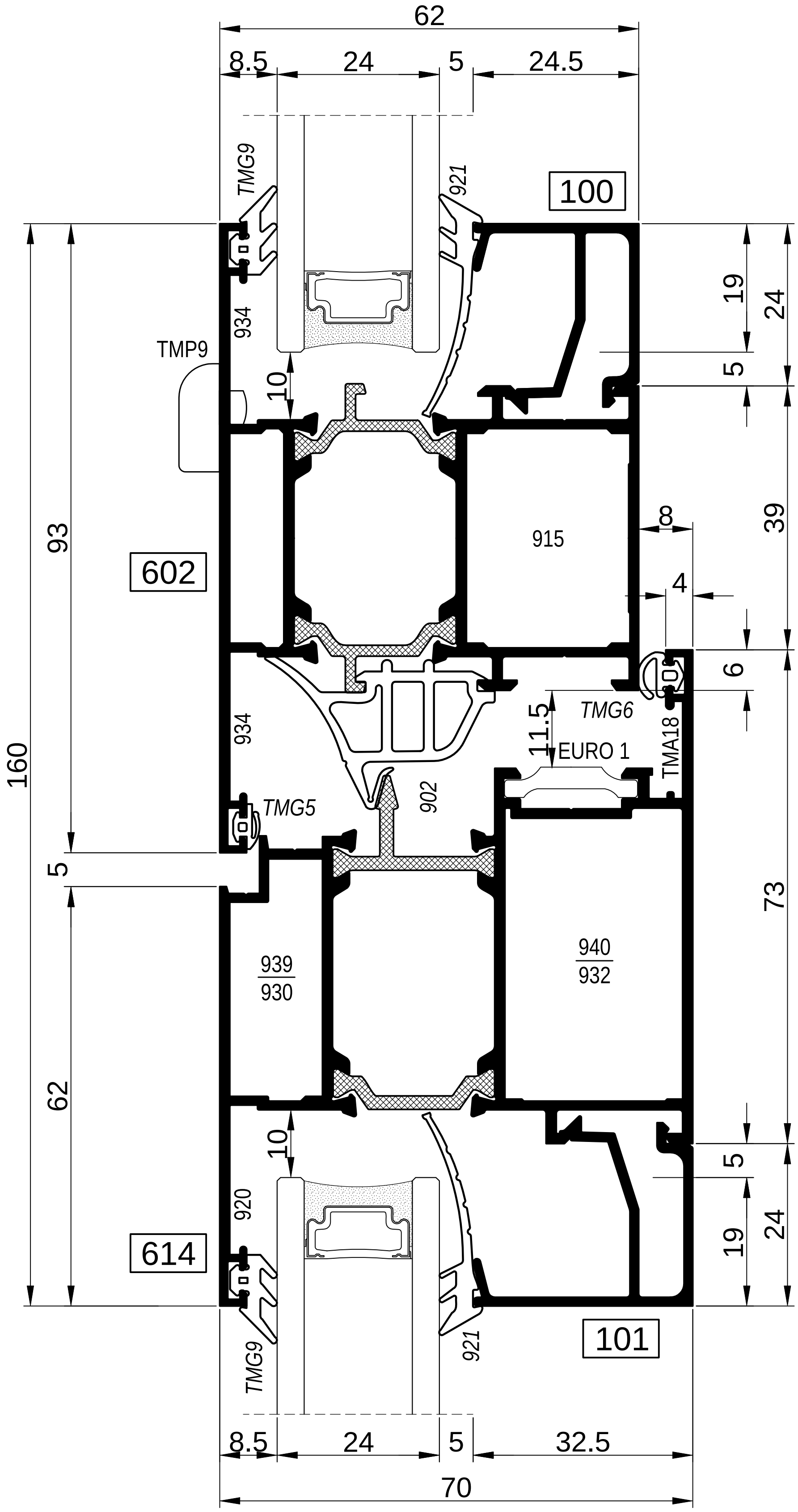
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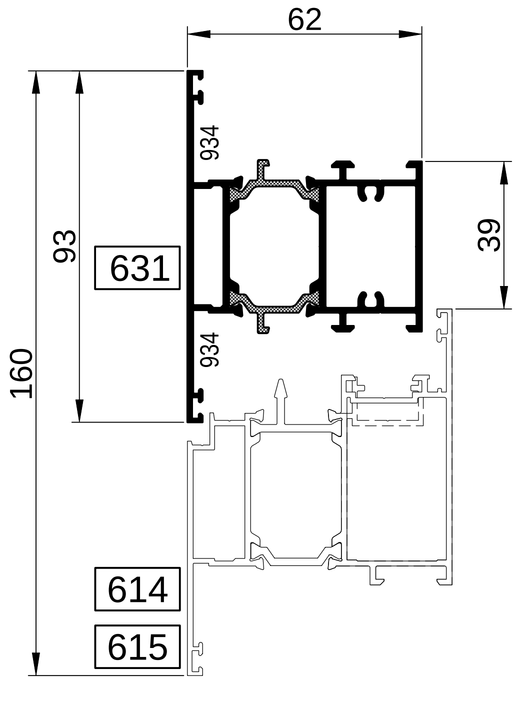
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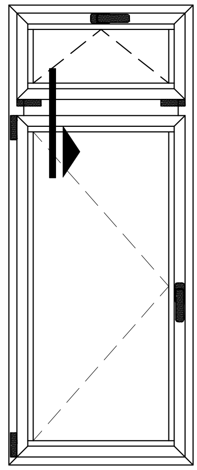

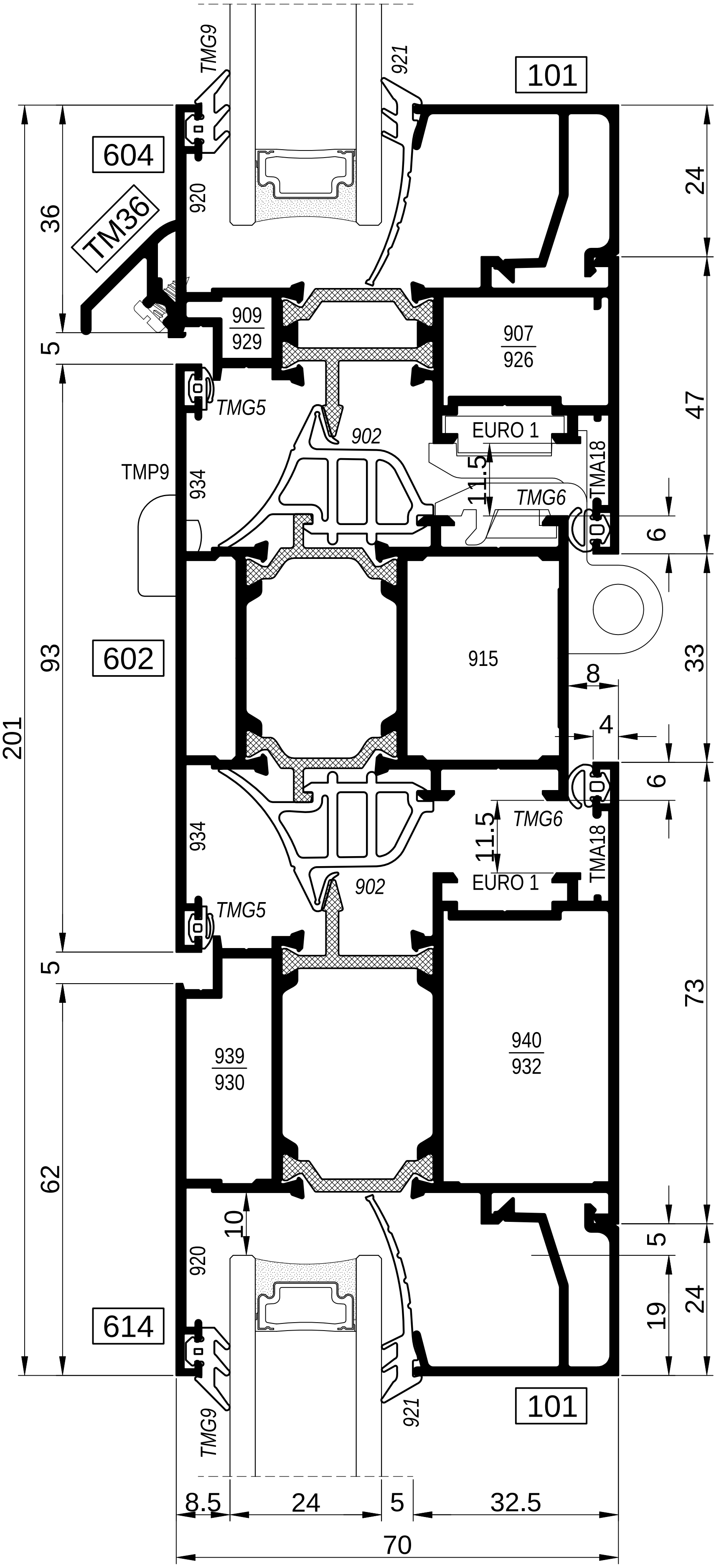
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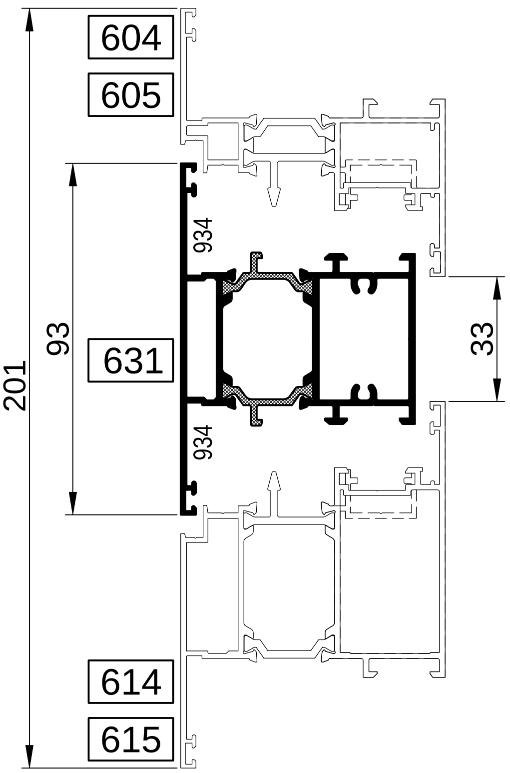
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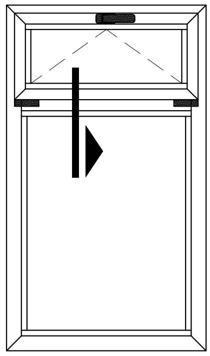

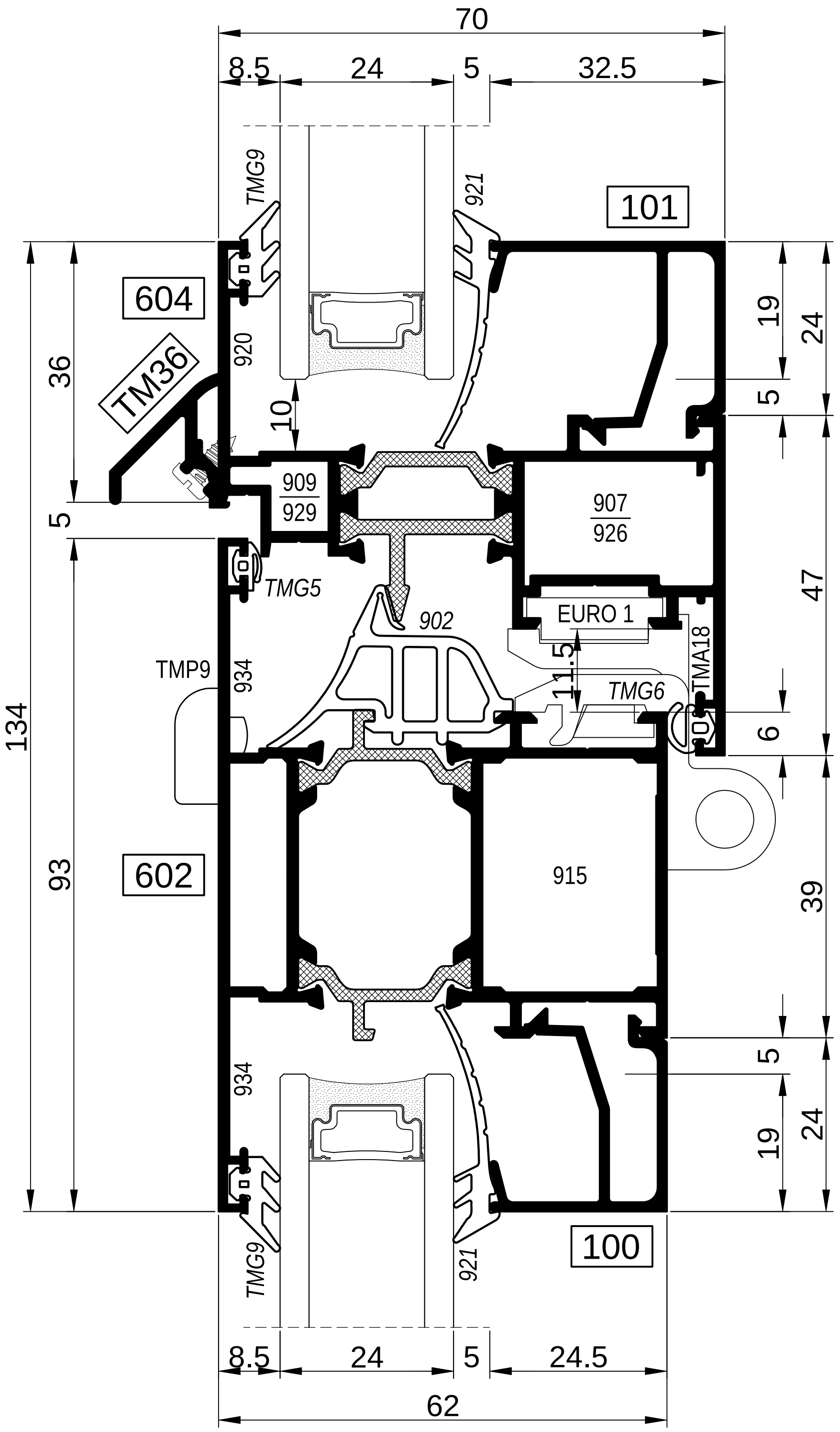
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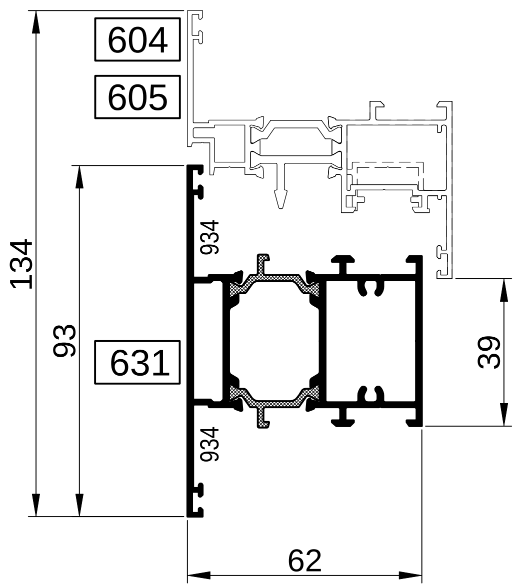
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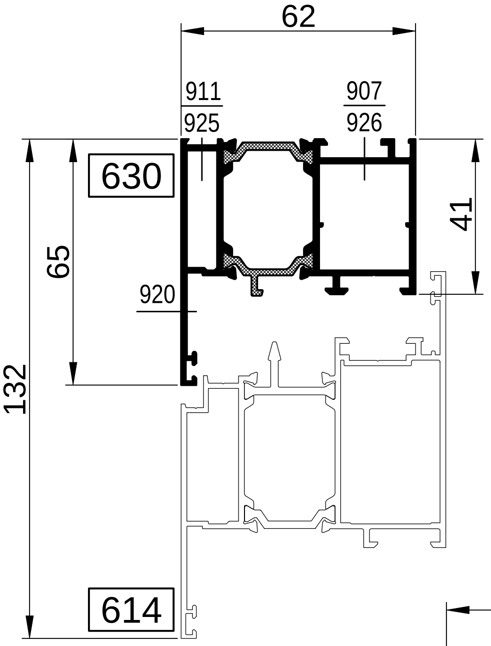
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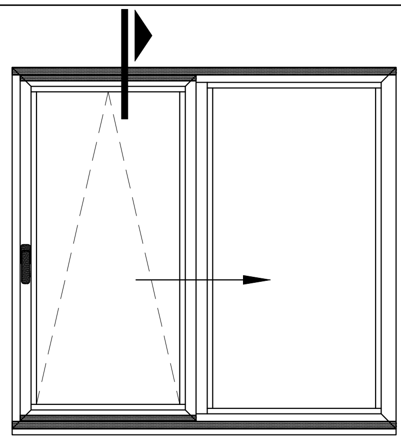

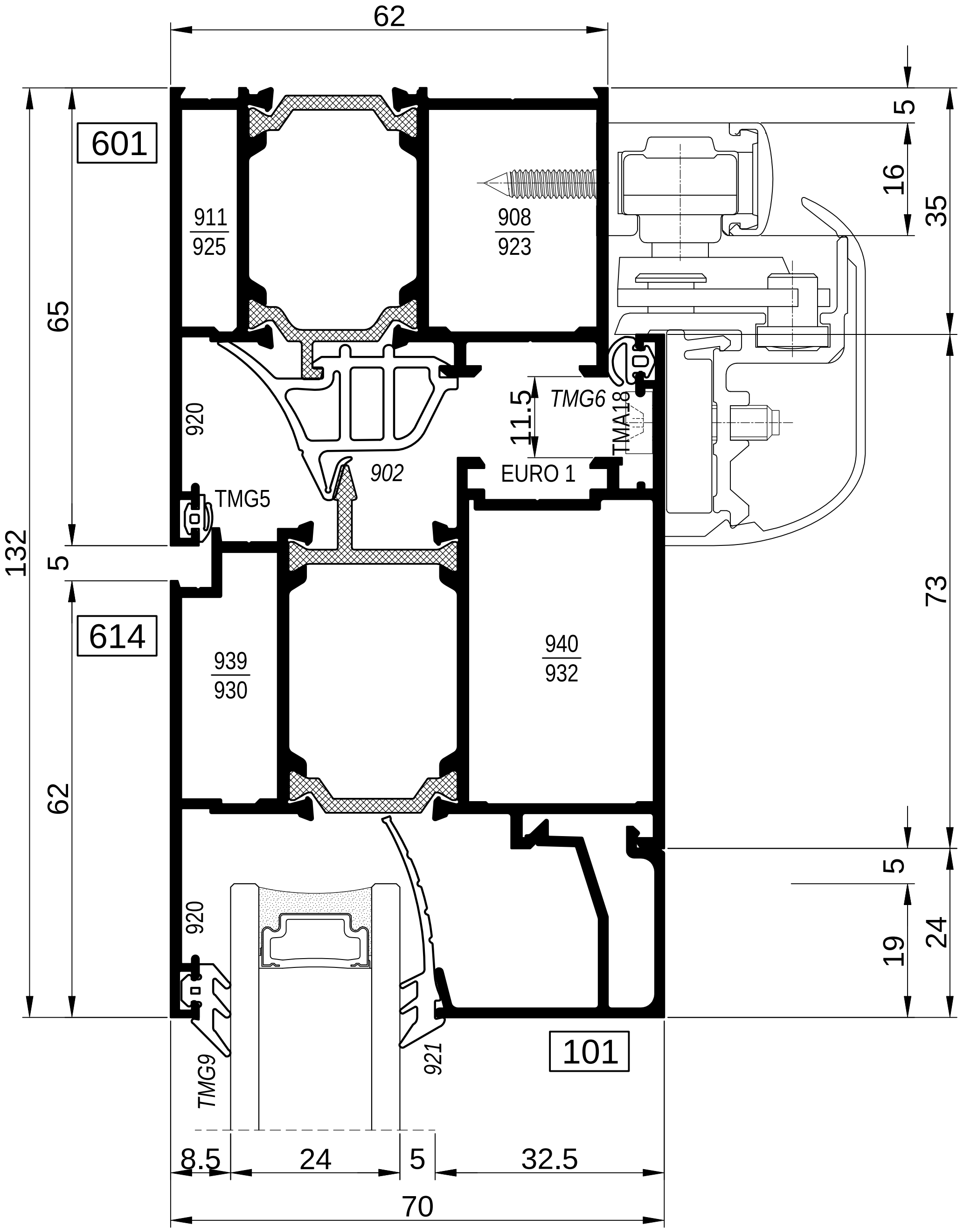
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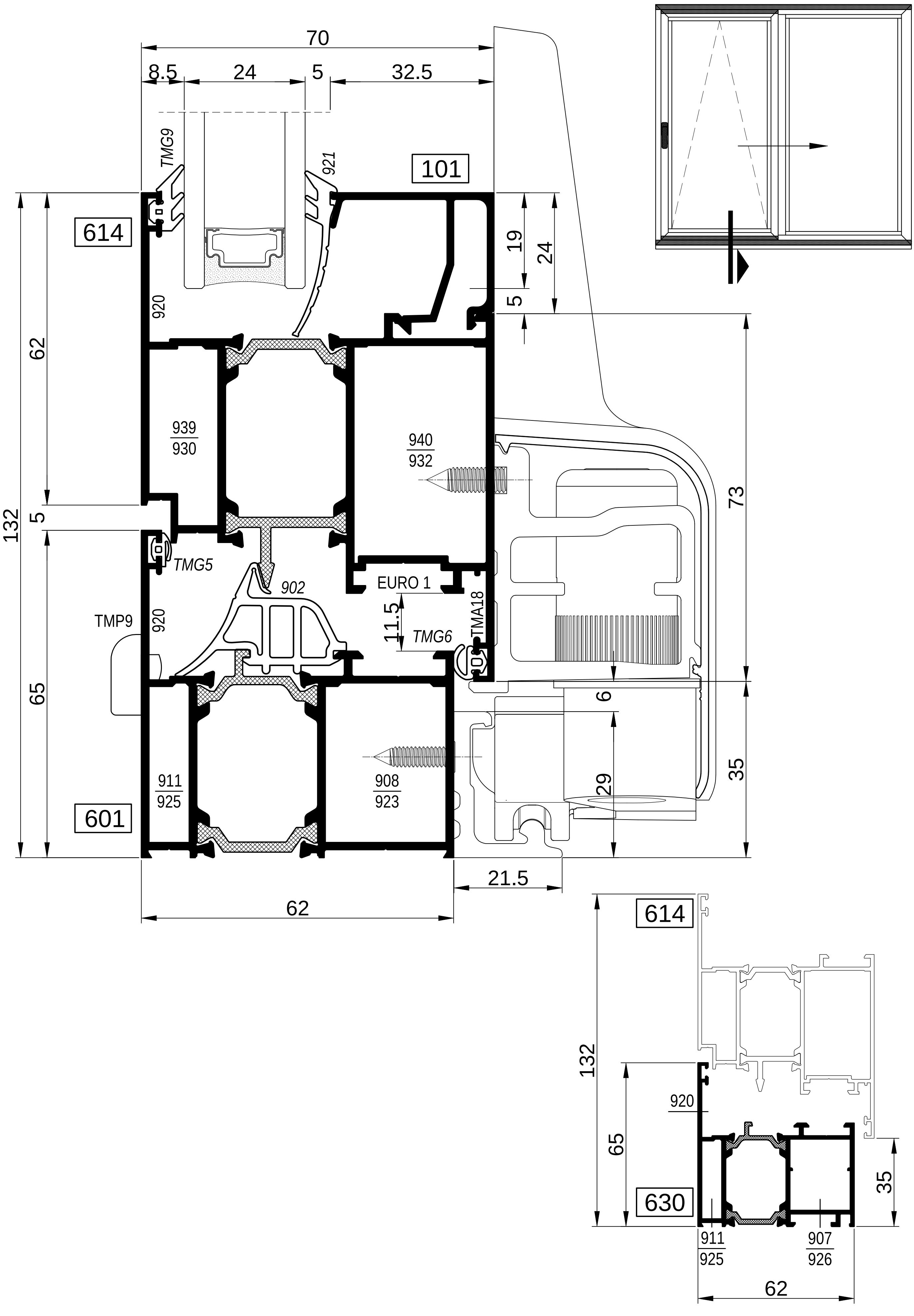
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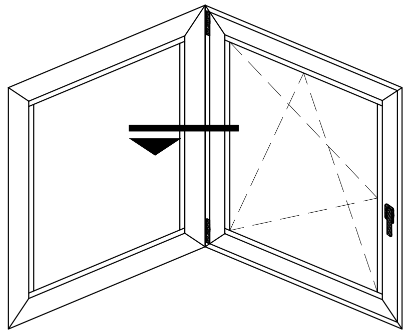

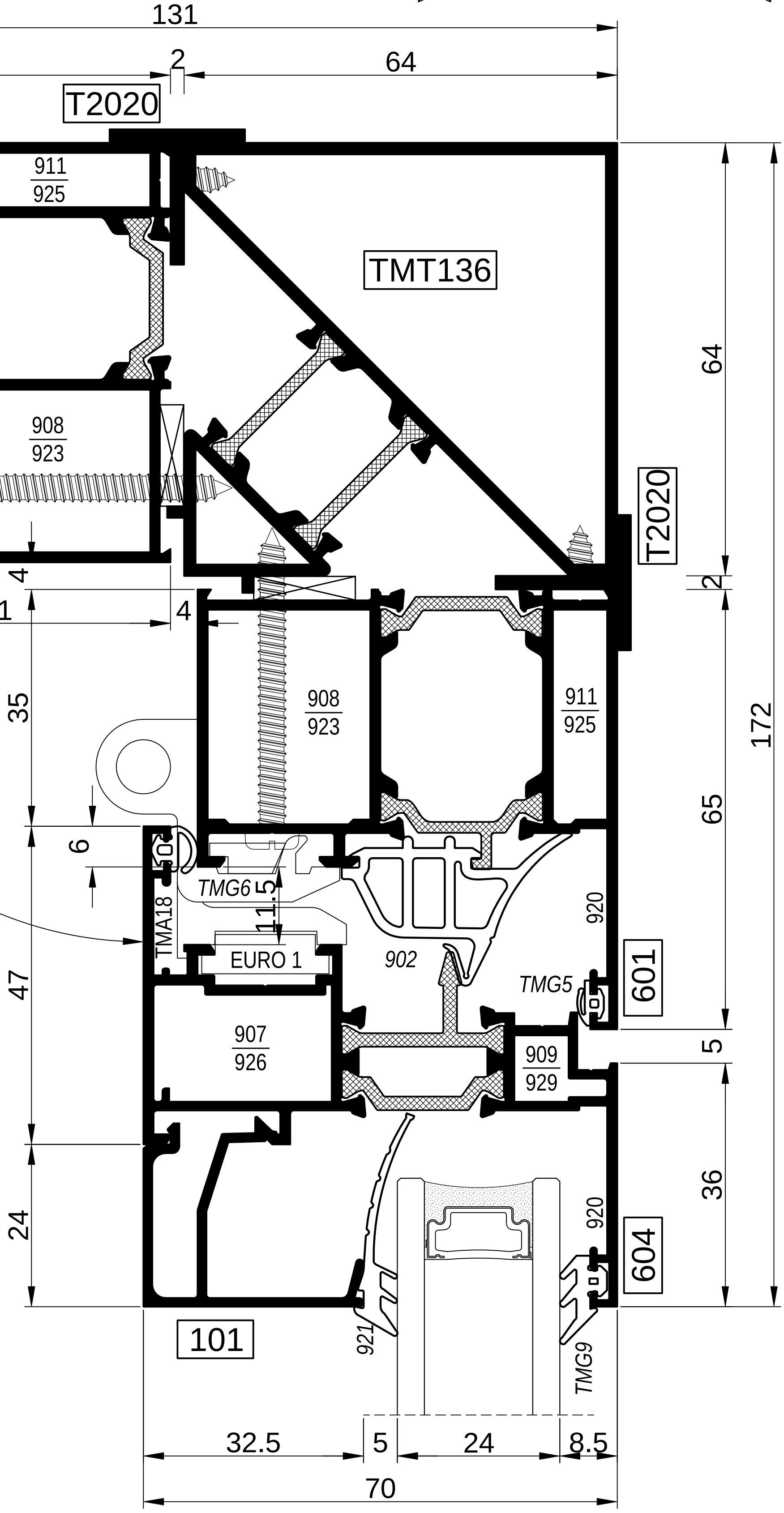
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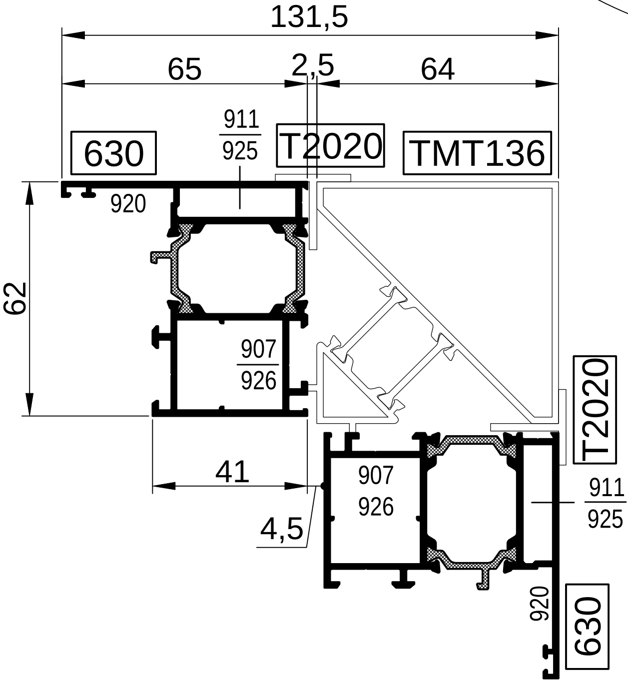
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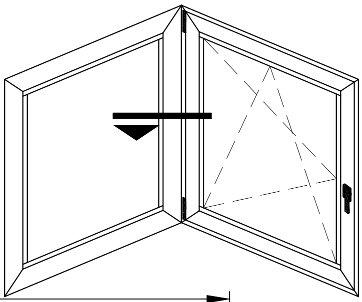

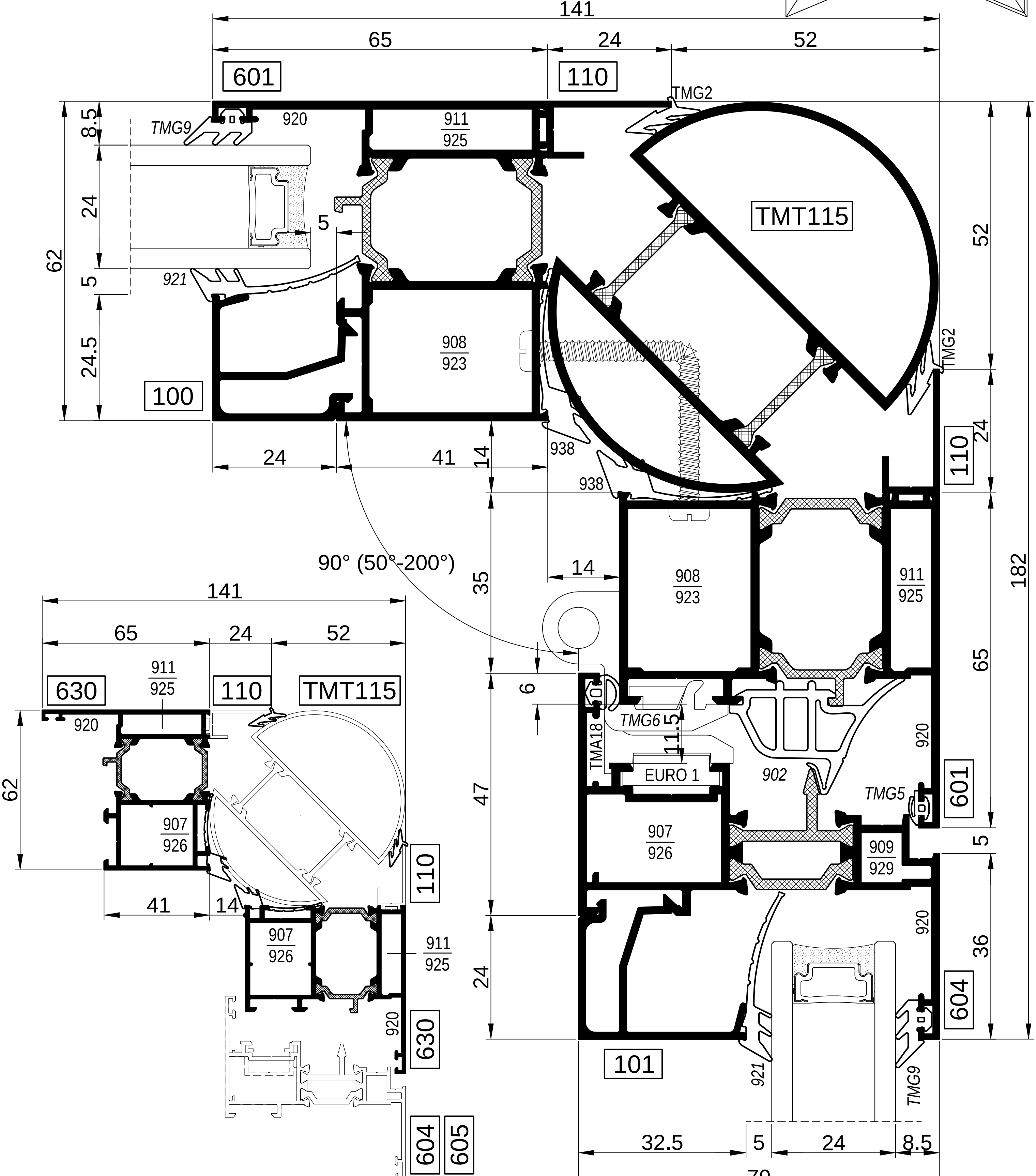
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90° (50°-200°)
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EURO 1
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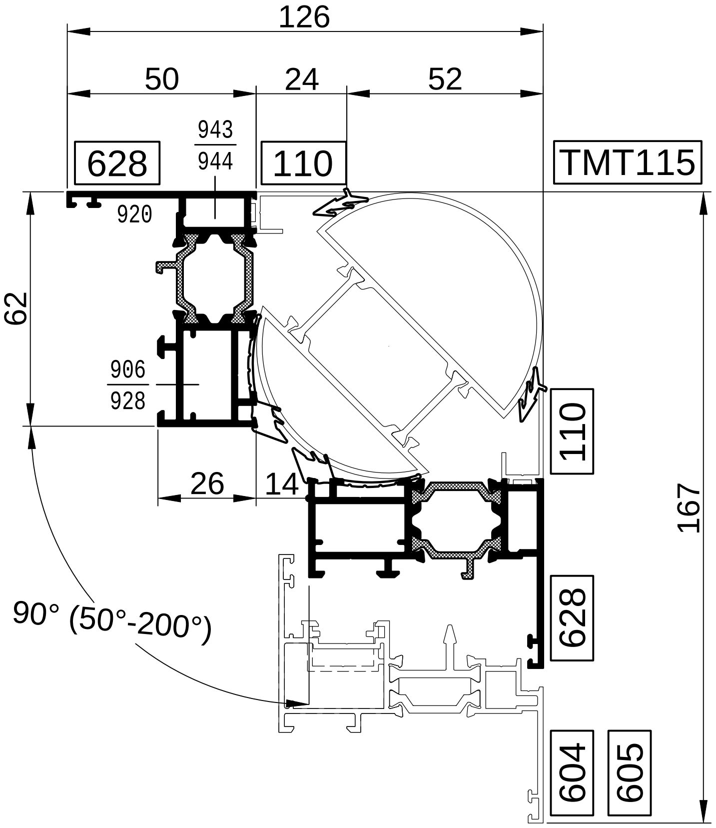
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90° (50°-200°)
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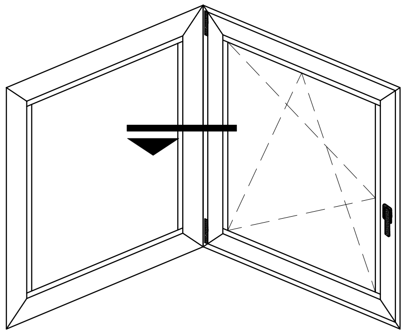

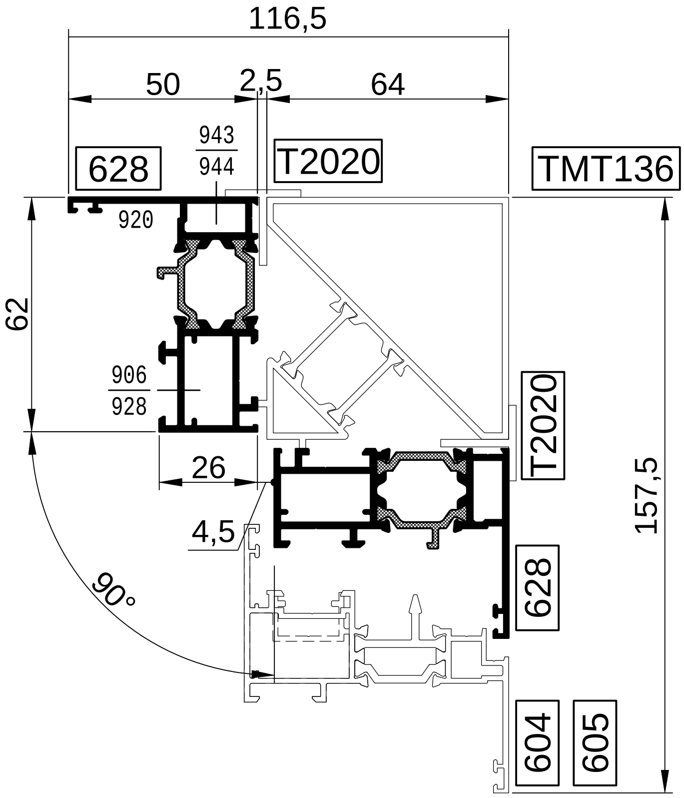
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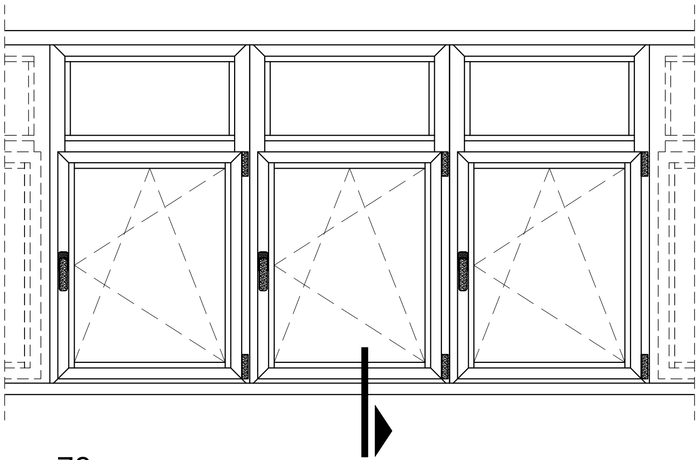

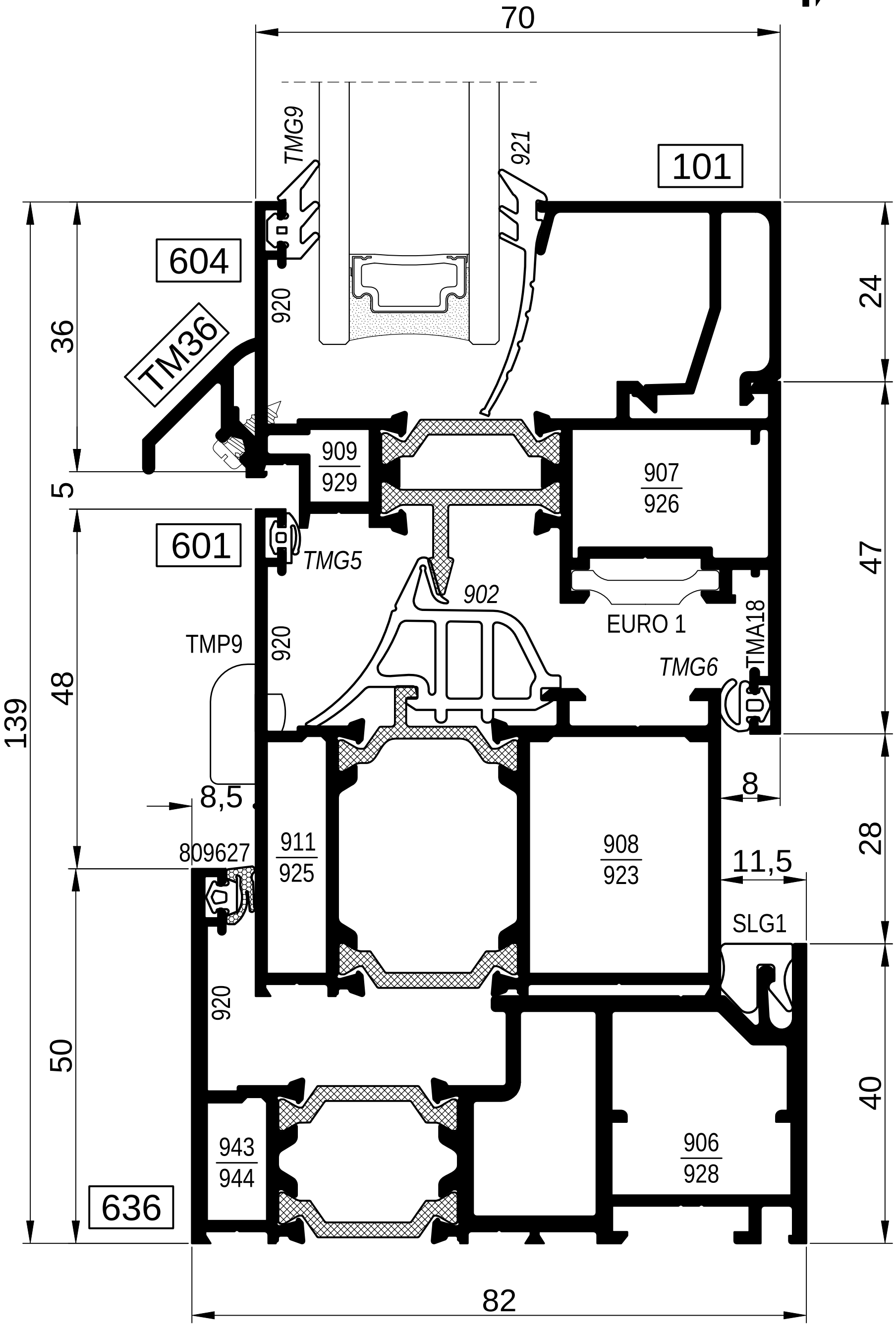
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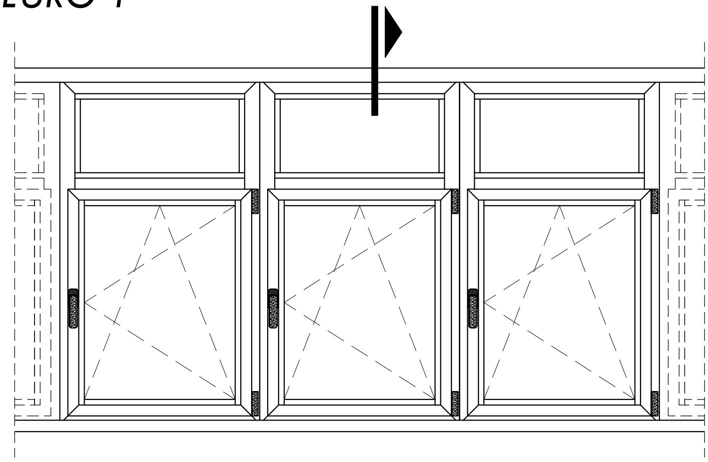

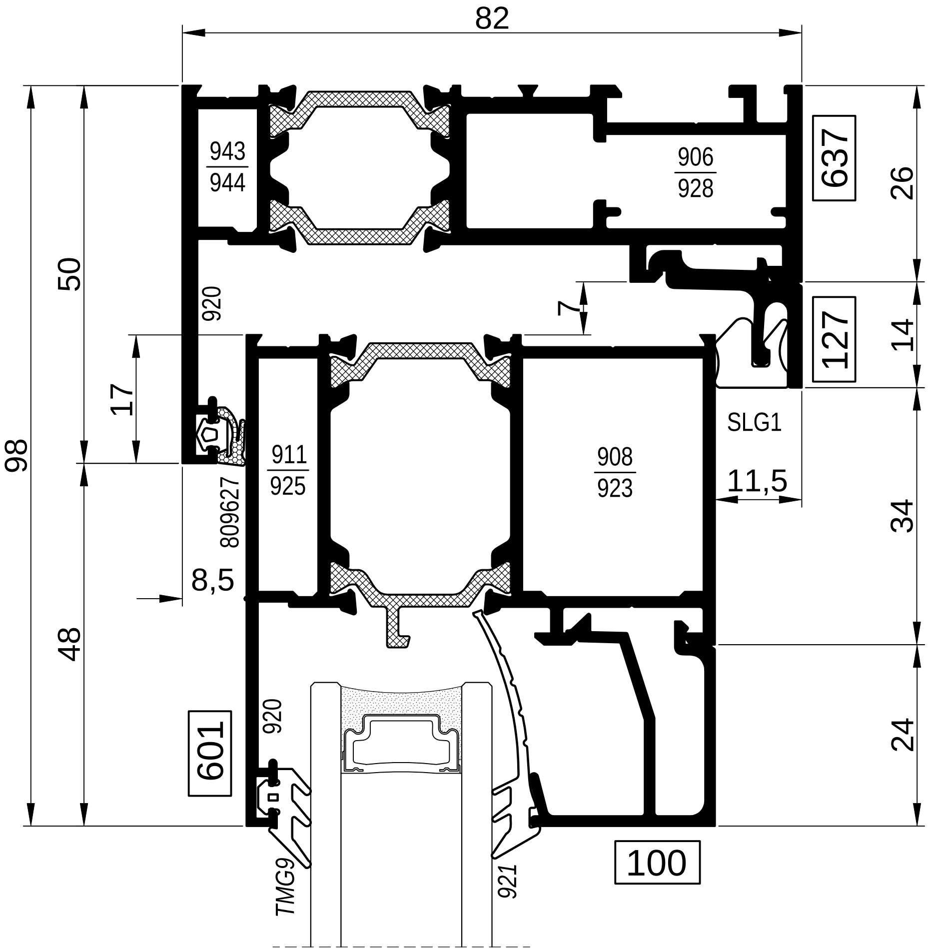
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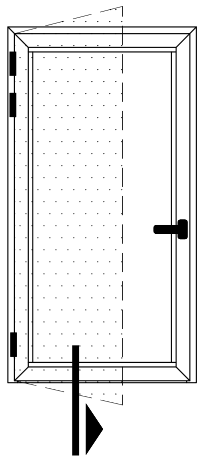

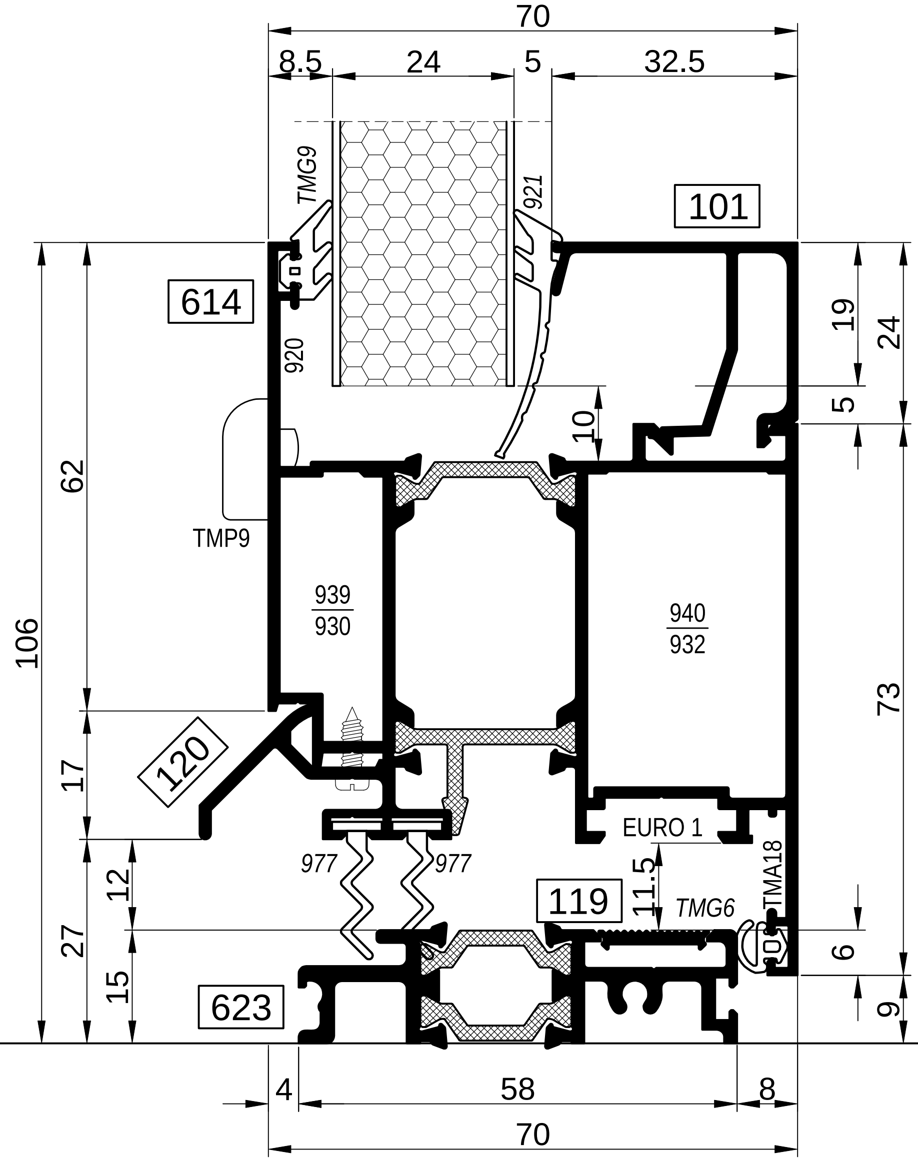
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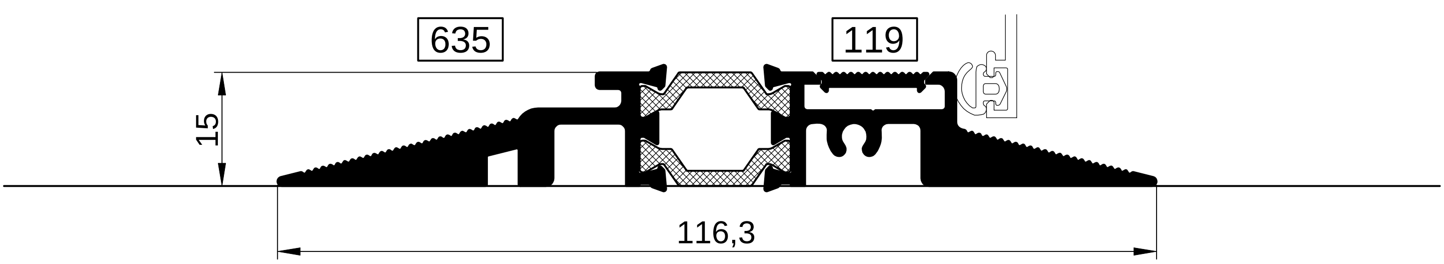
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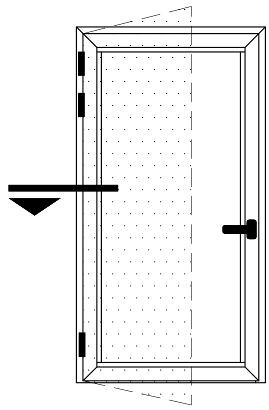

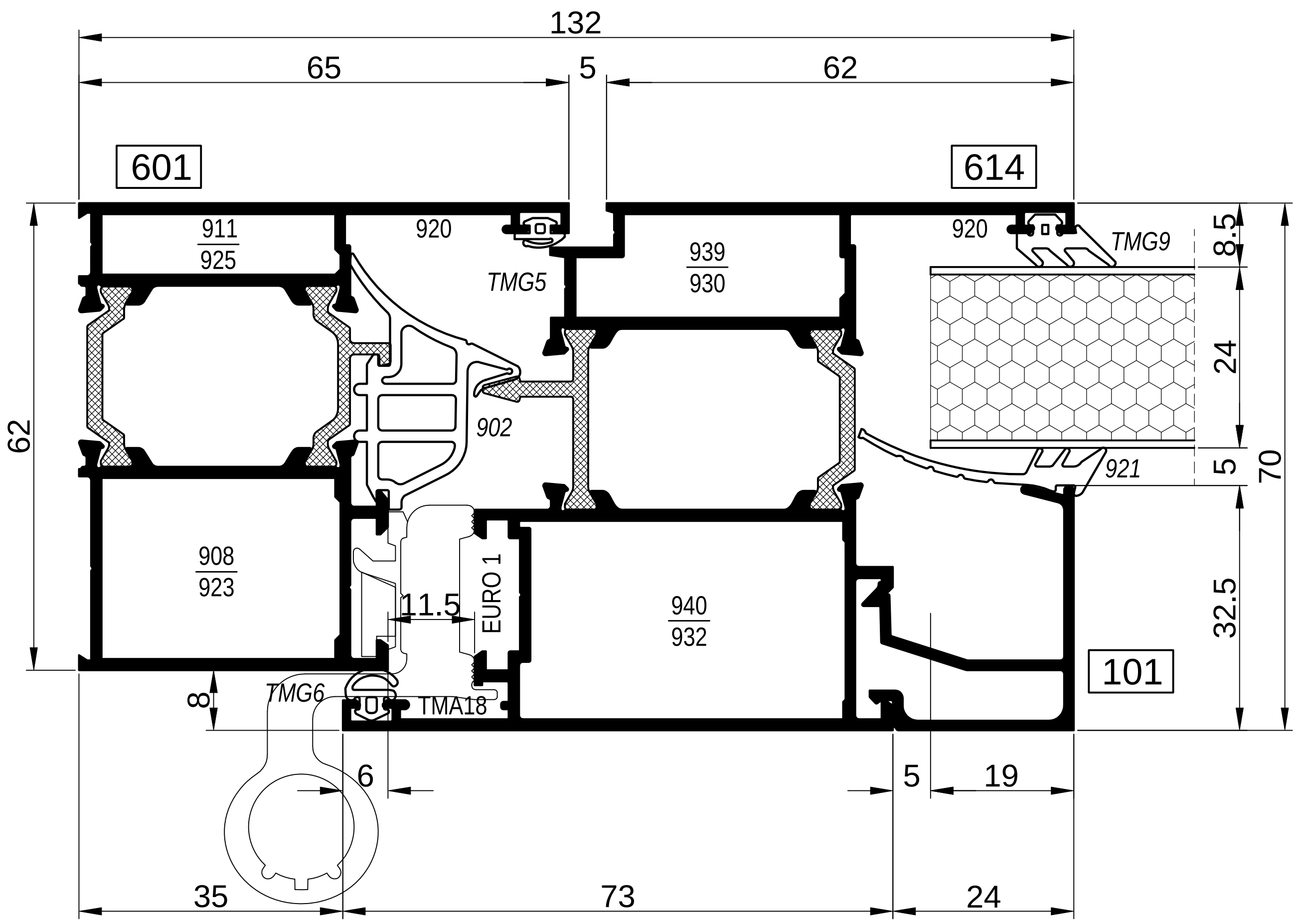
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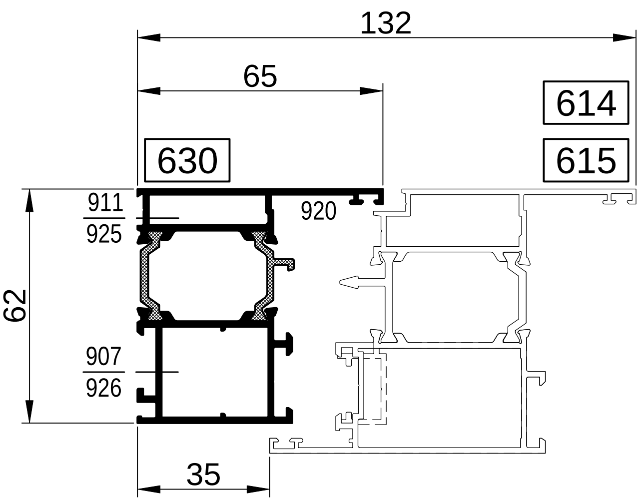
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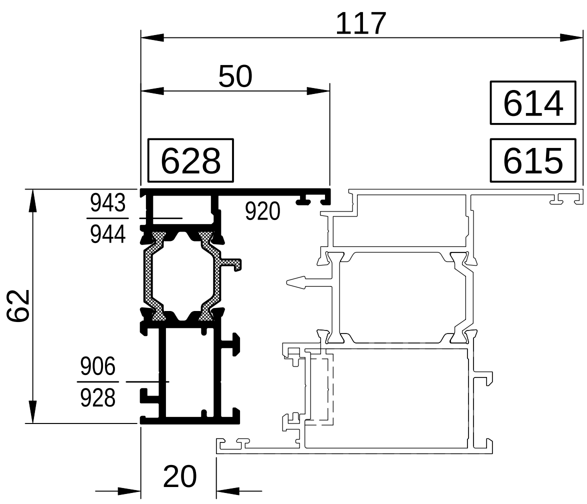
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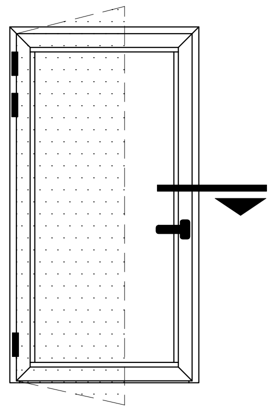

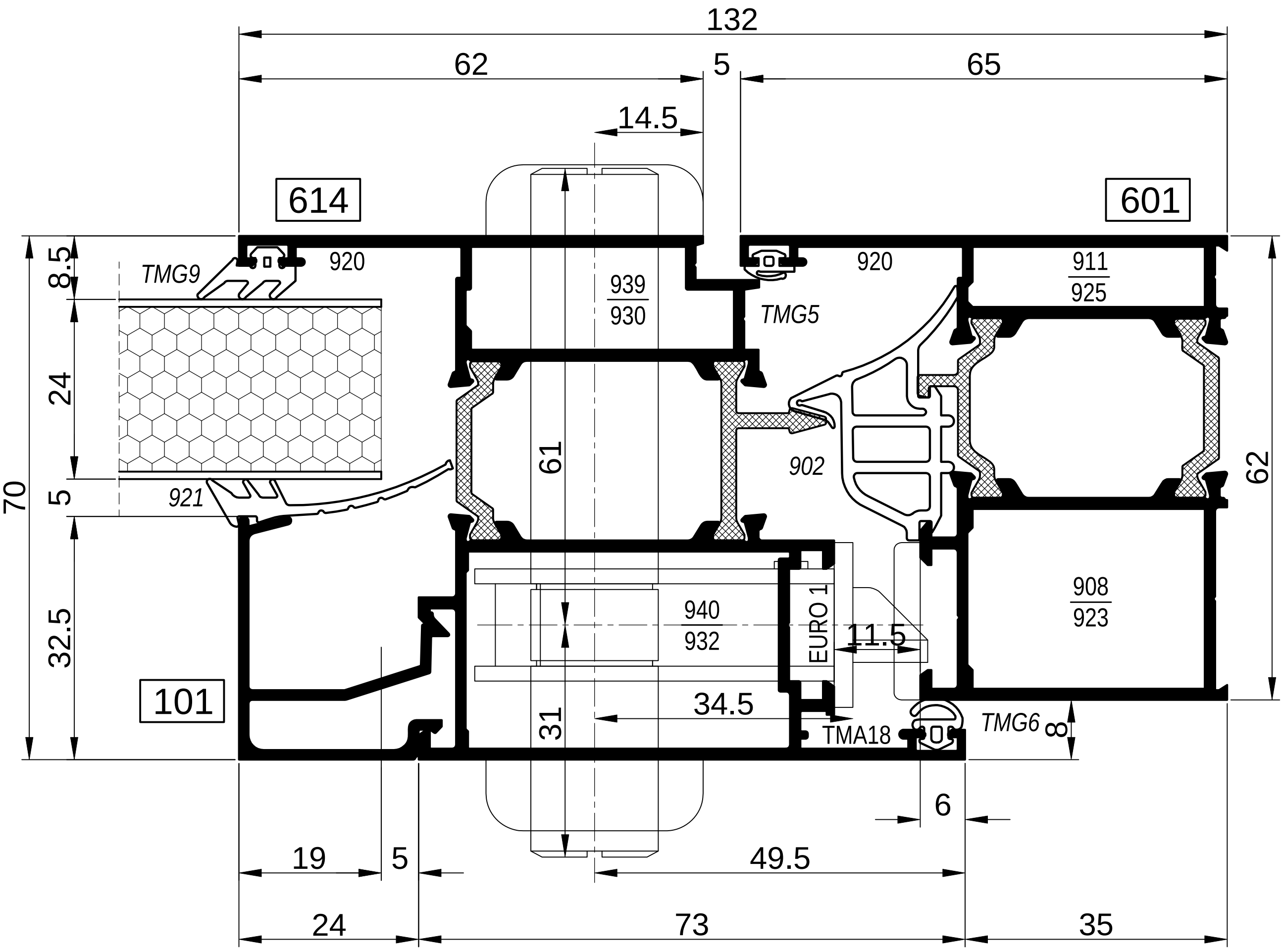
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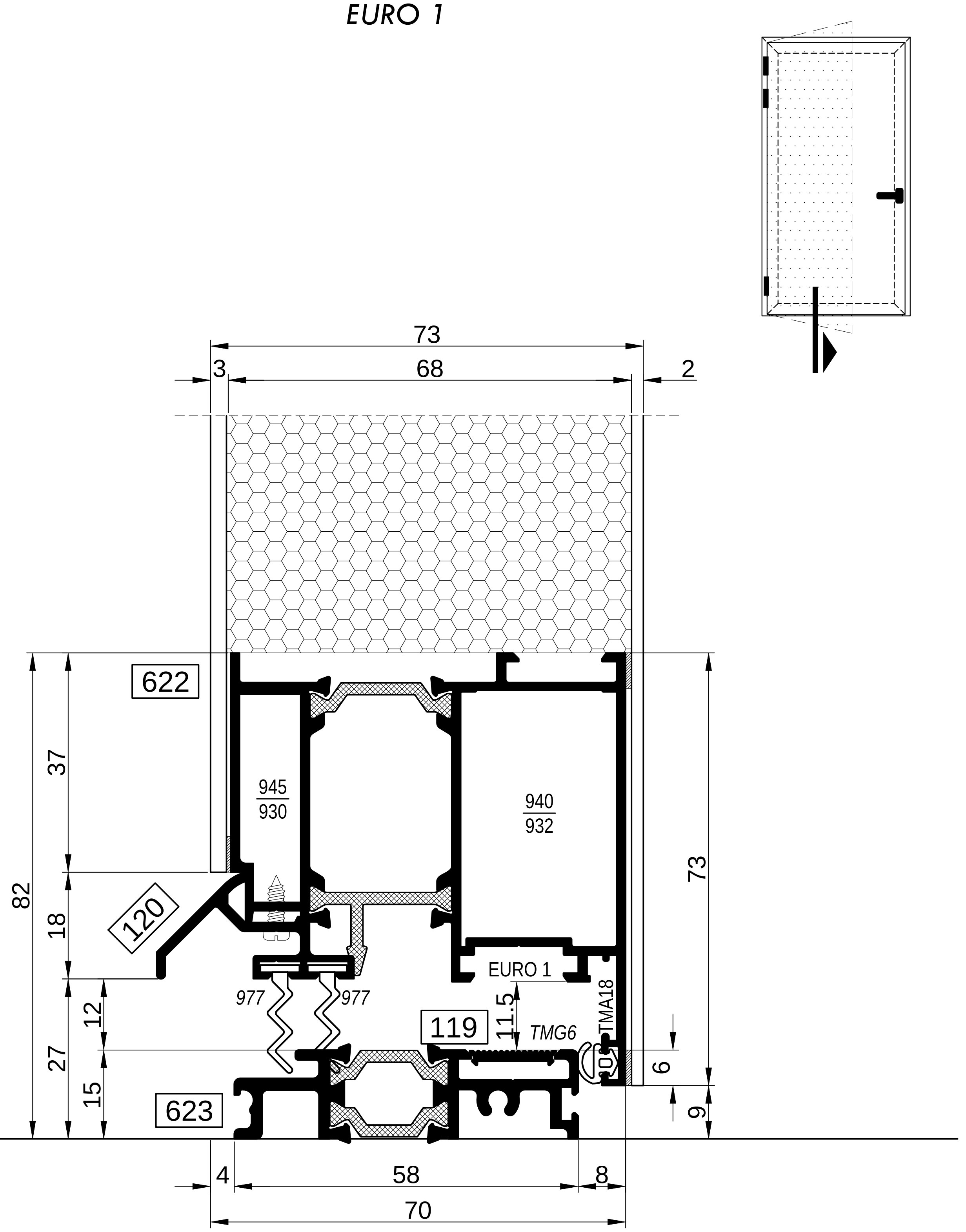
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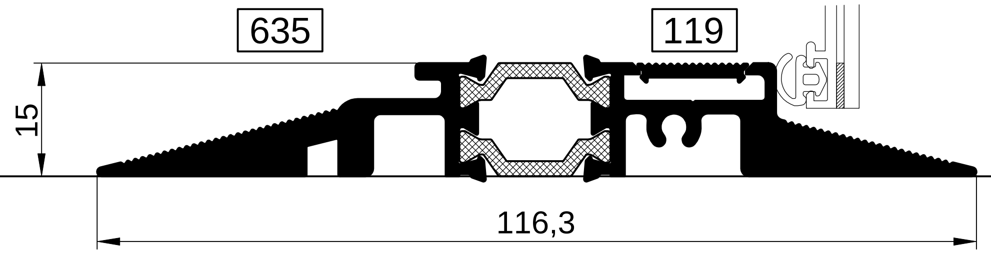
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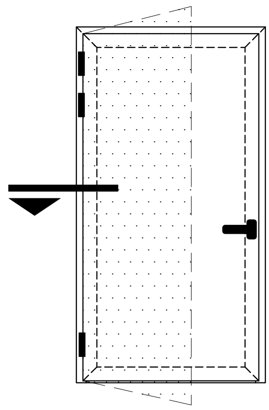

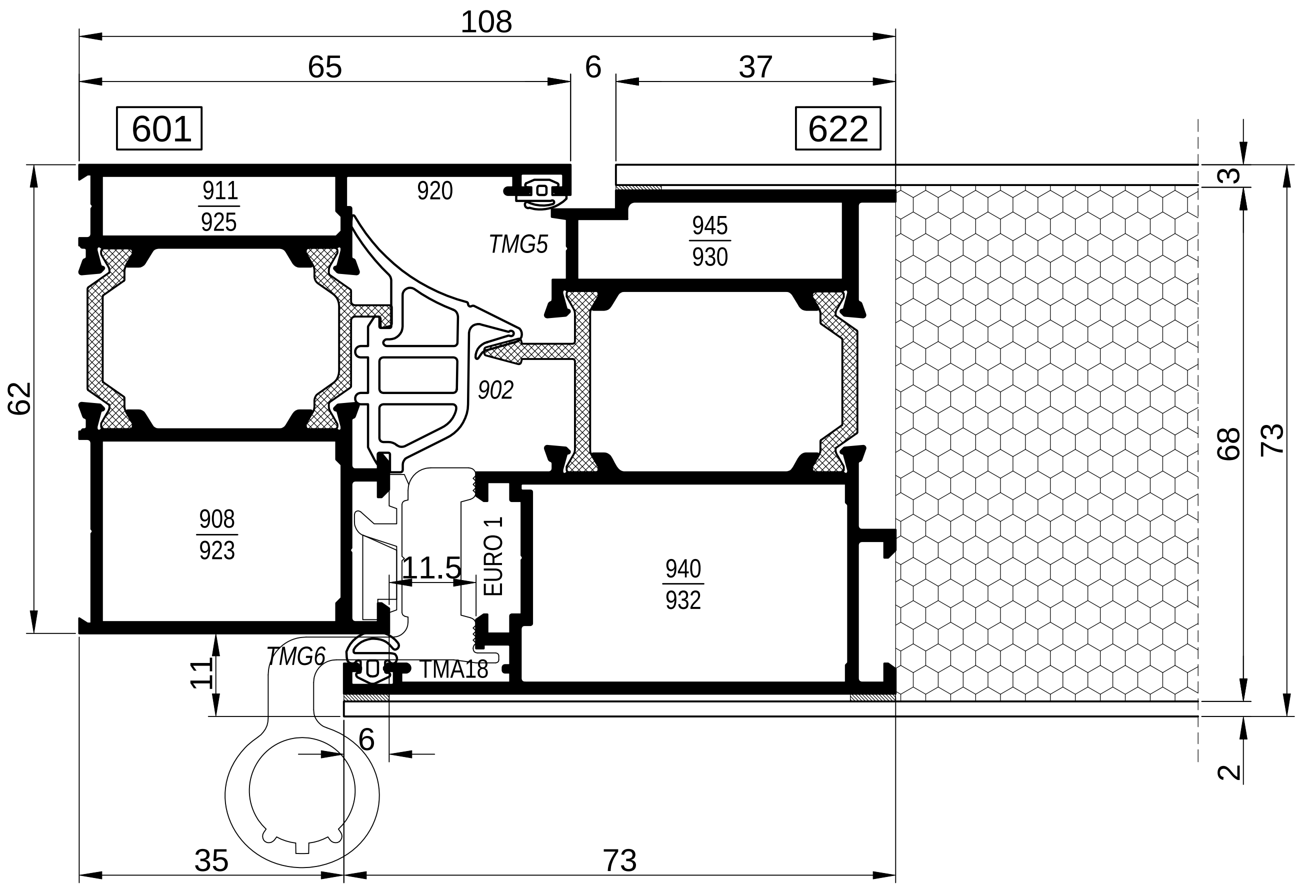
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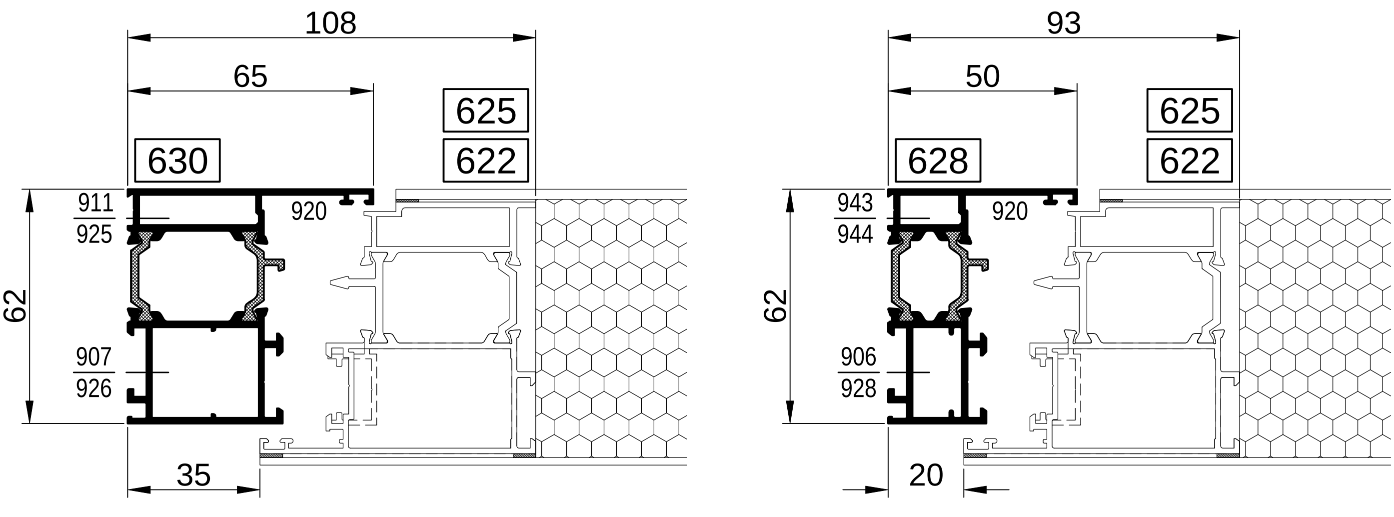
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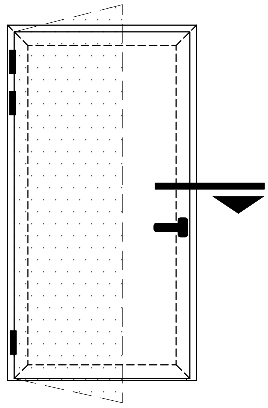

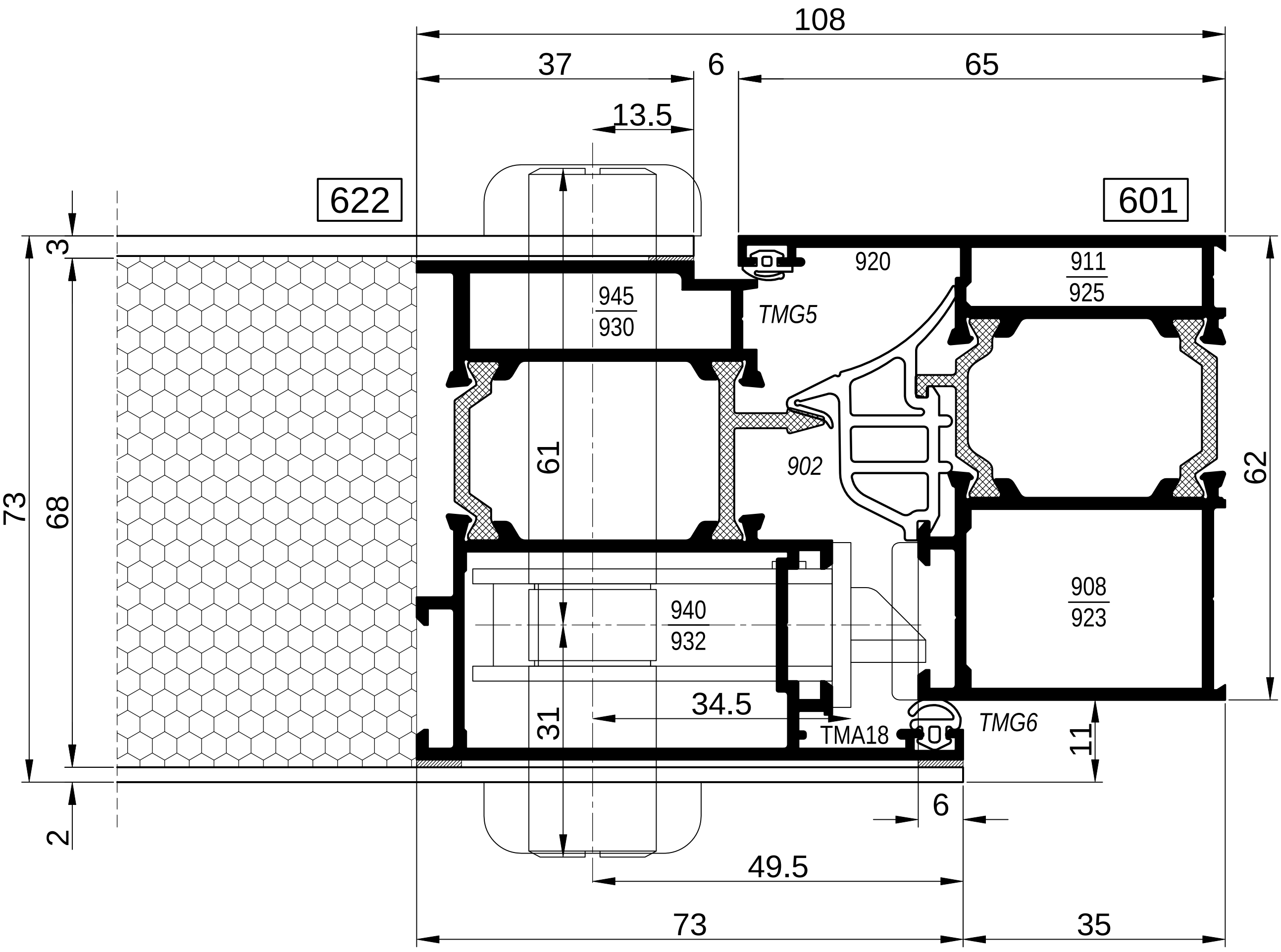
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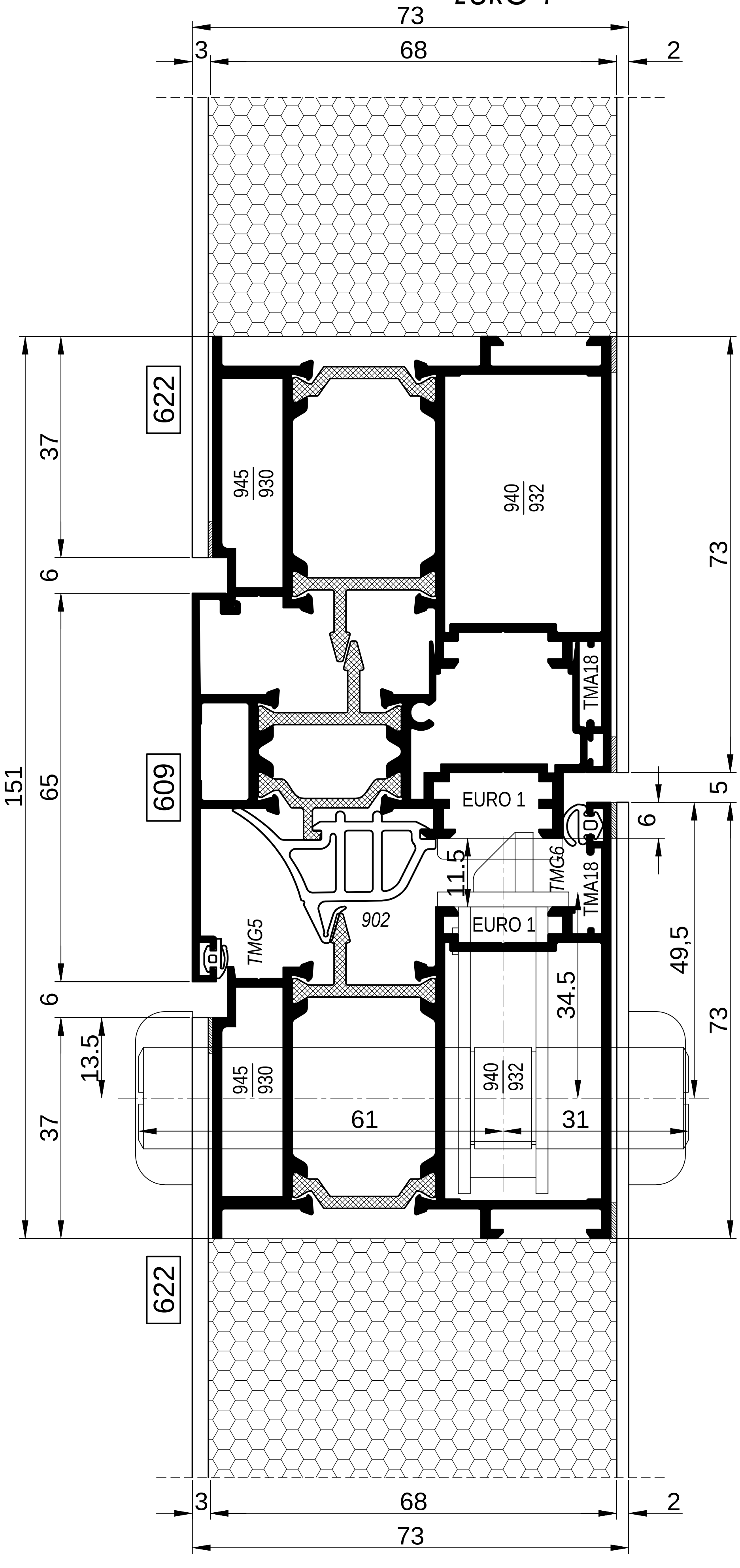
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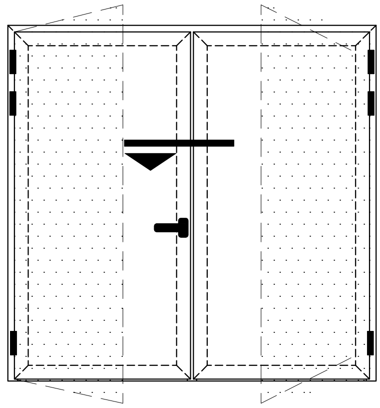

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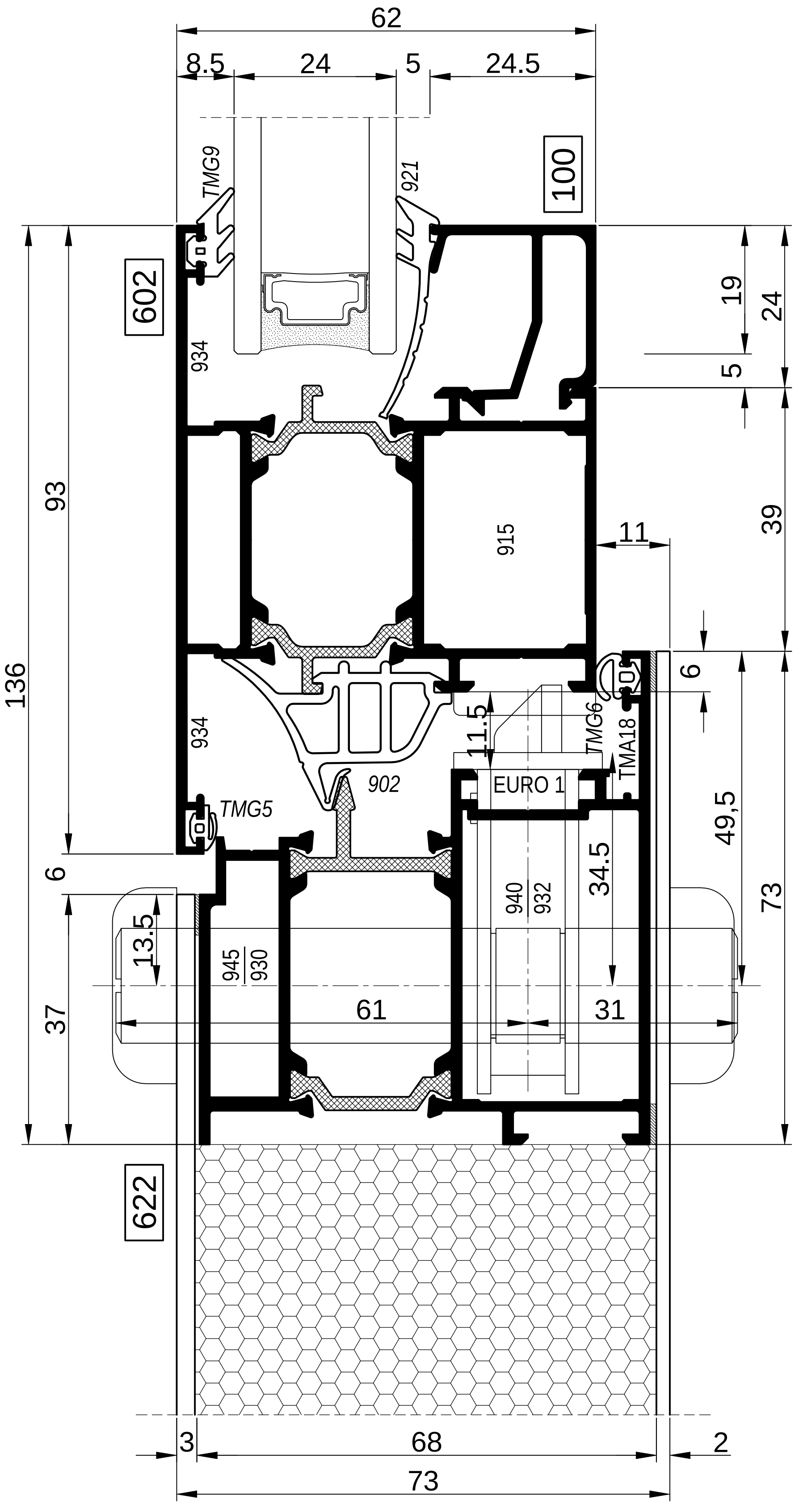
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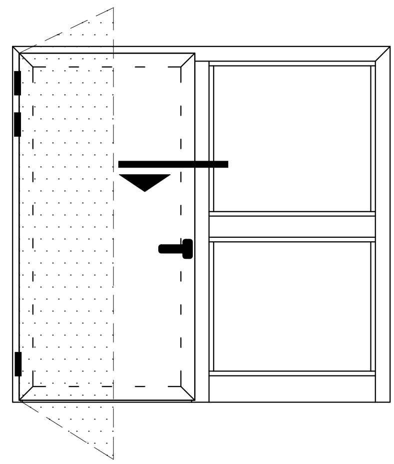

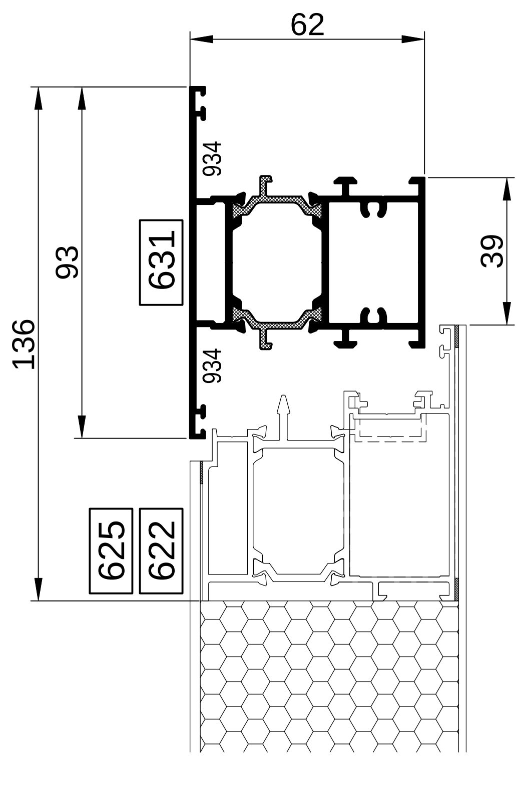
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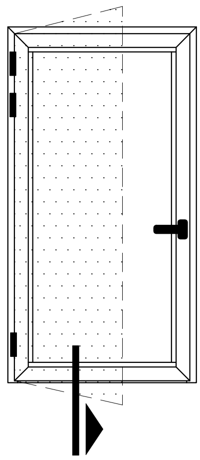

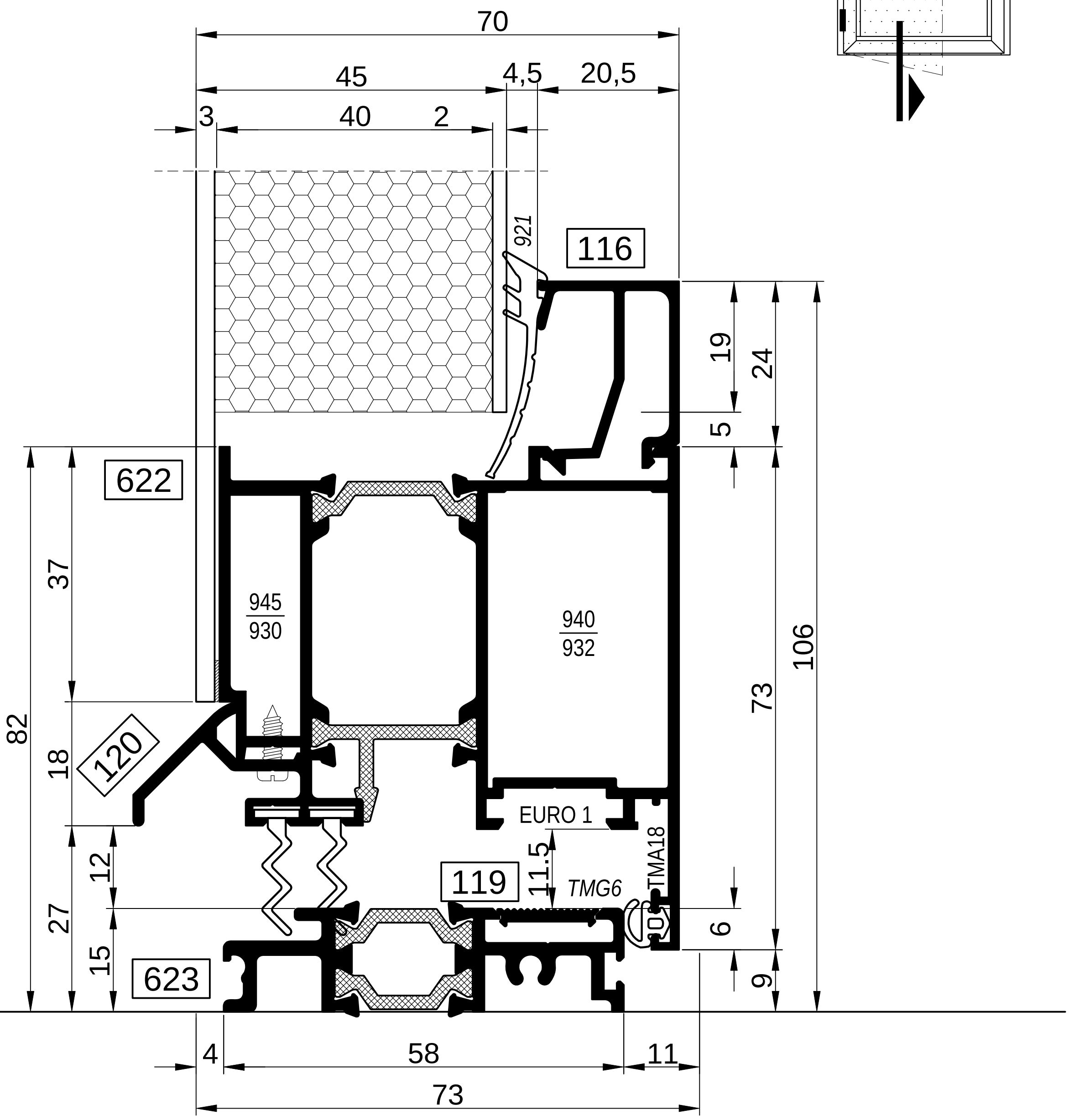
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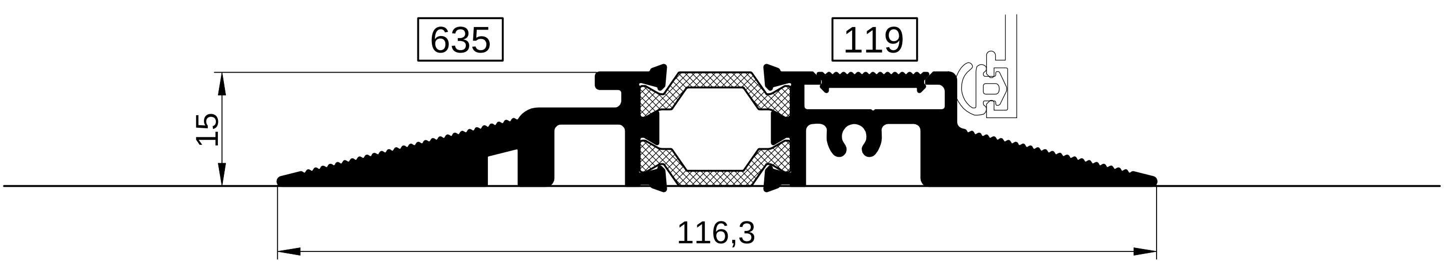
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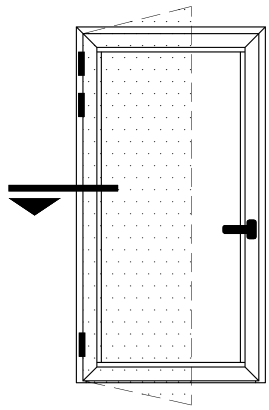

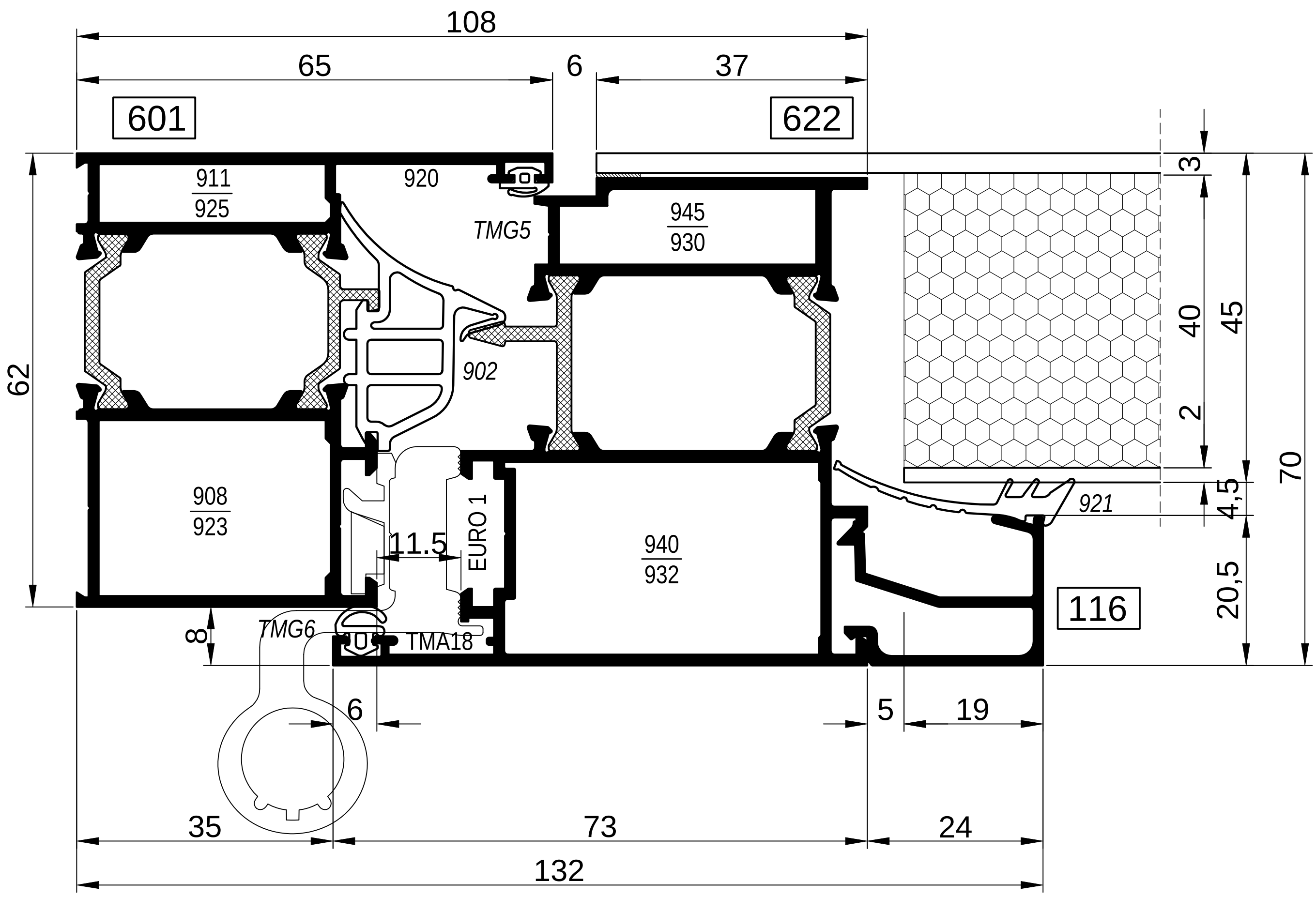
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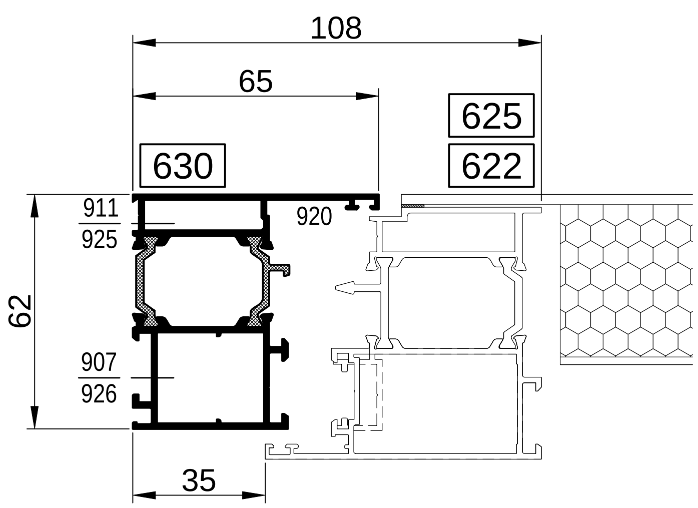
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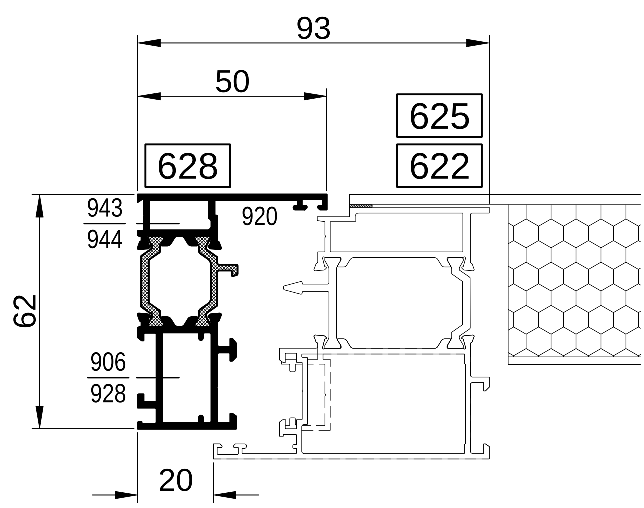
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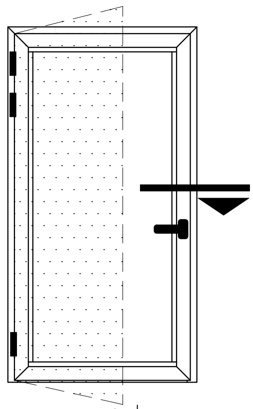

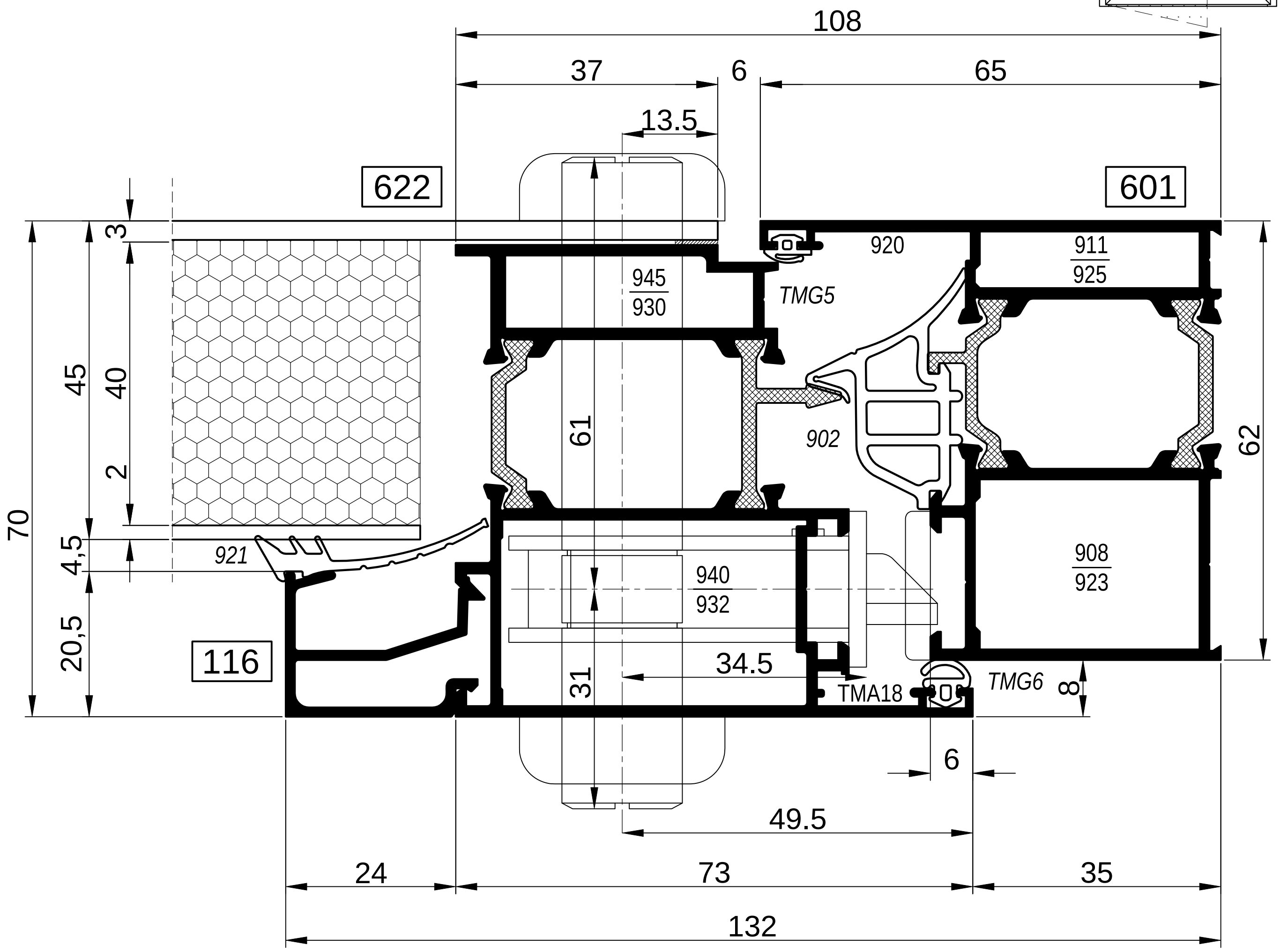
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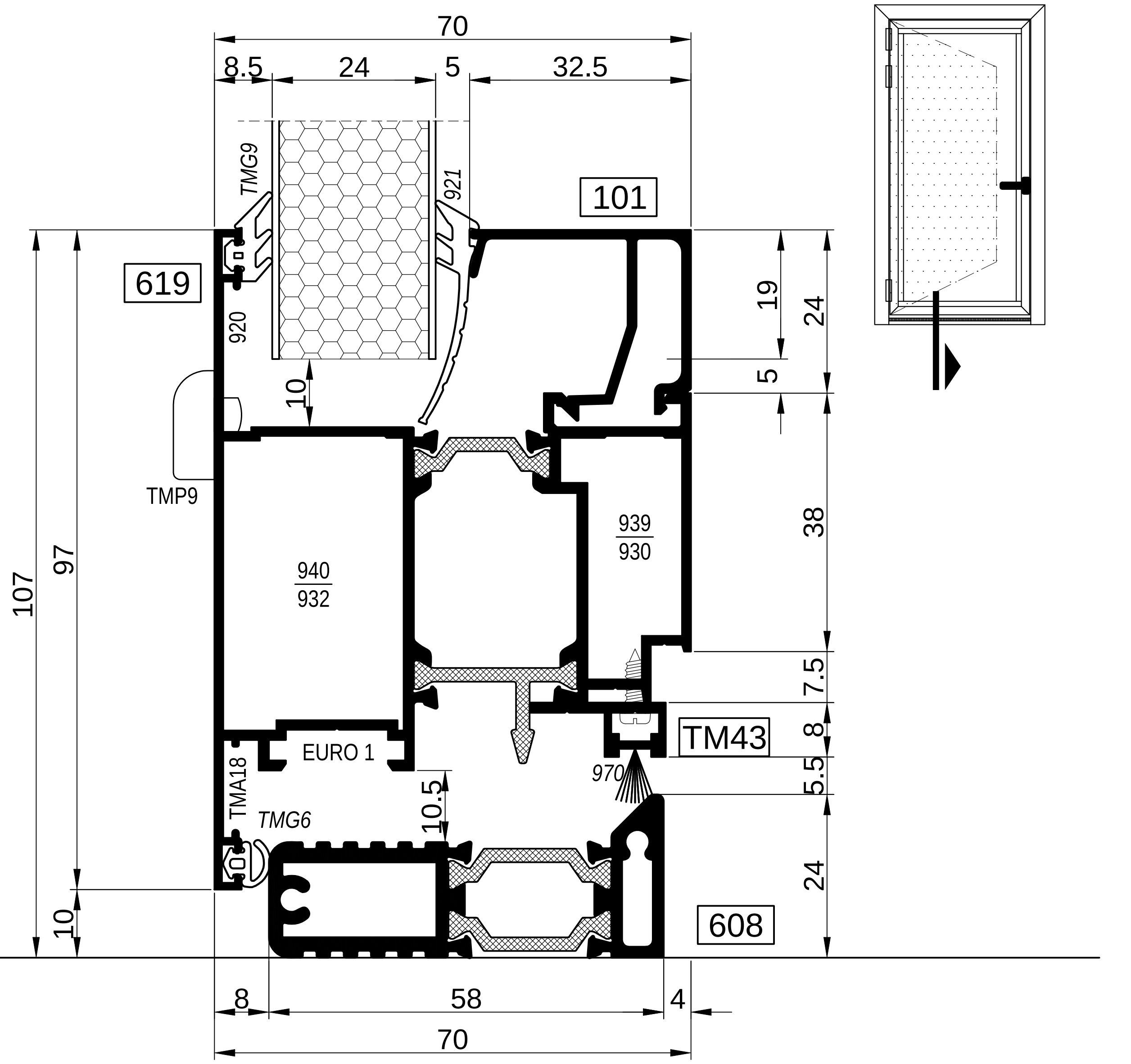
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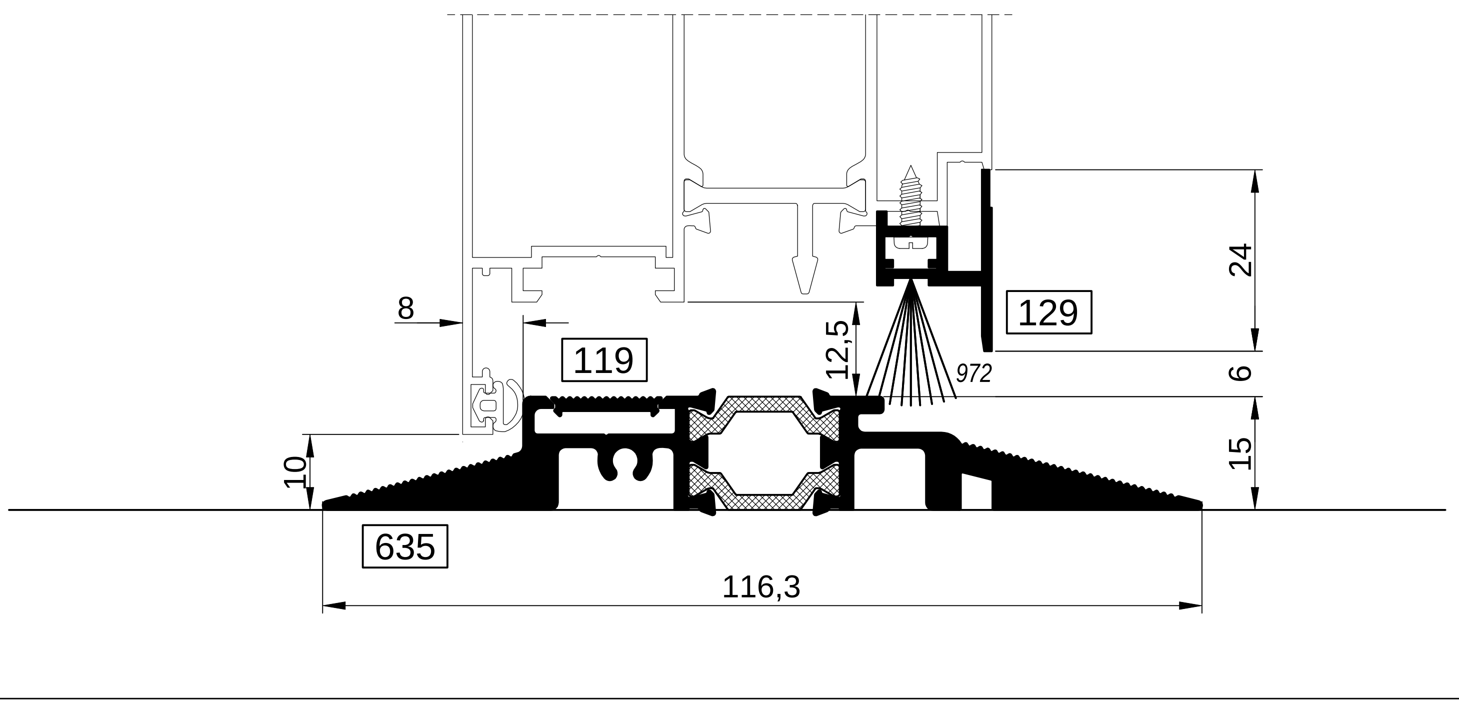
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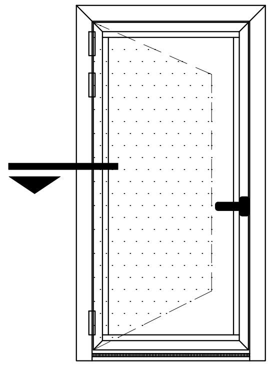

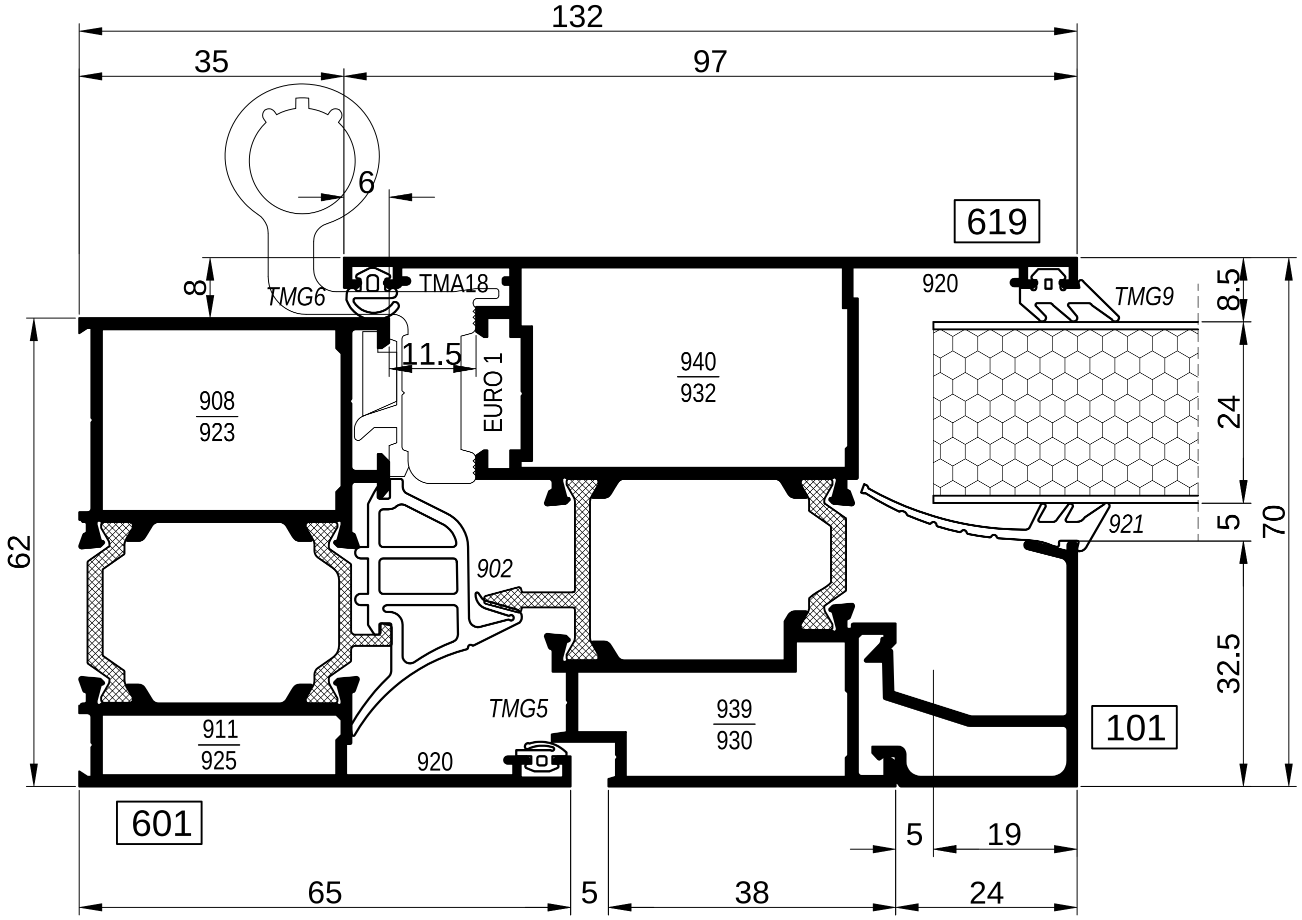
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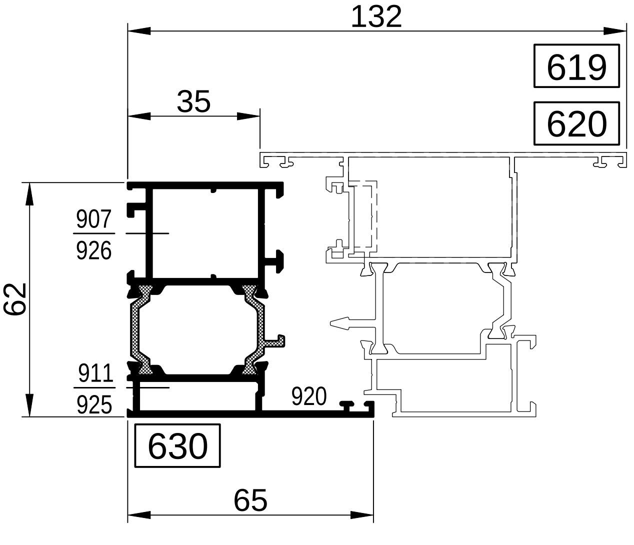
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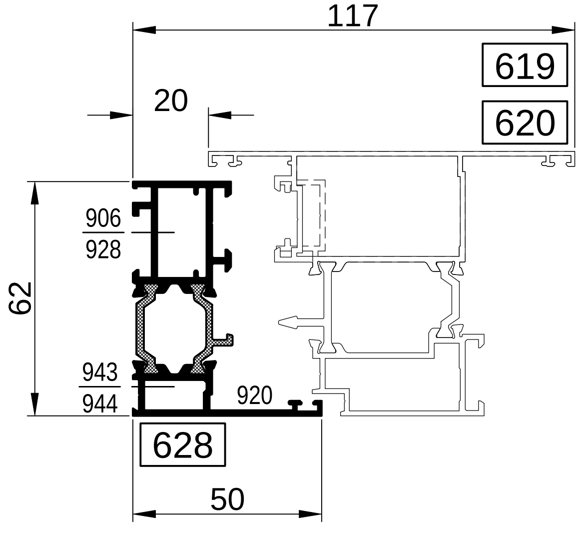
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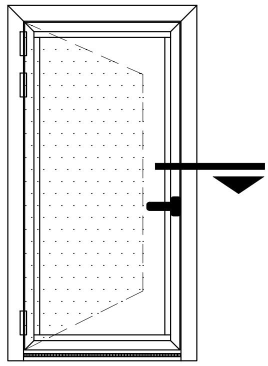

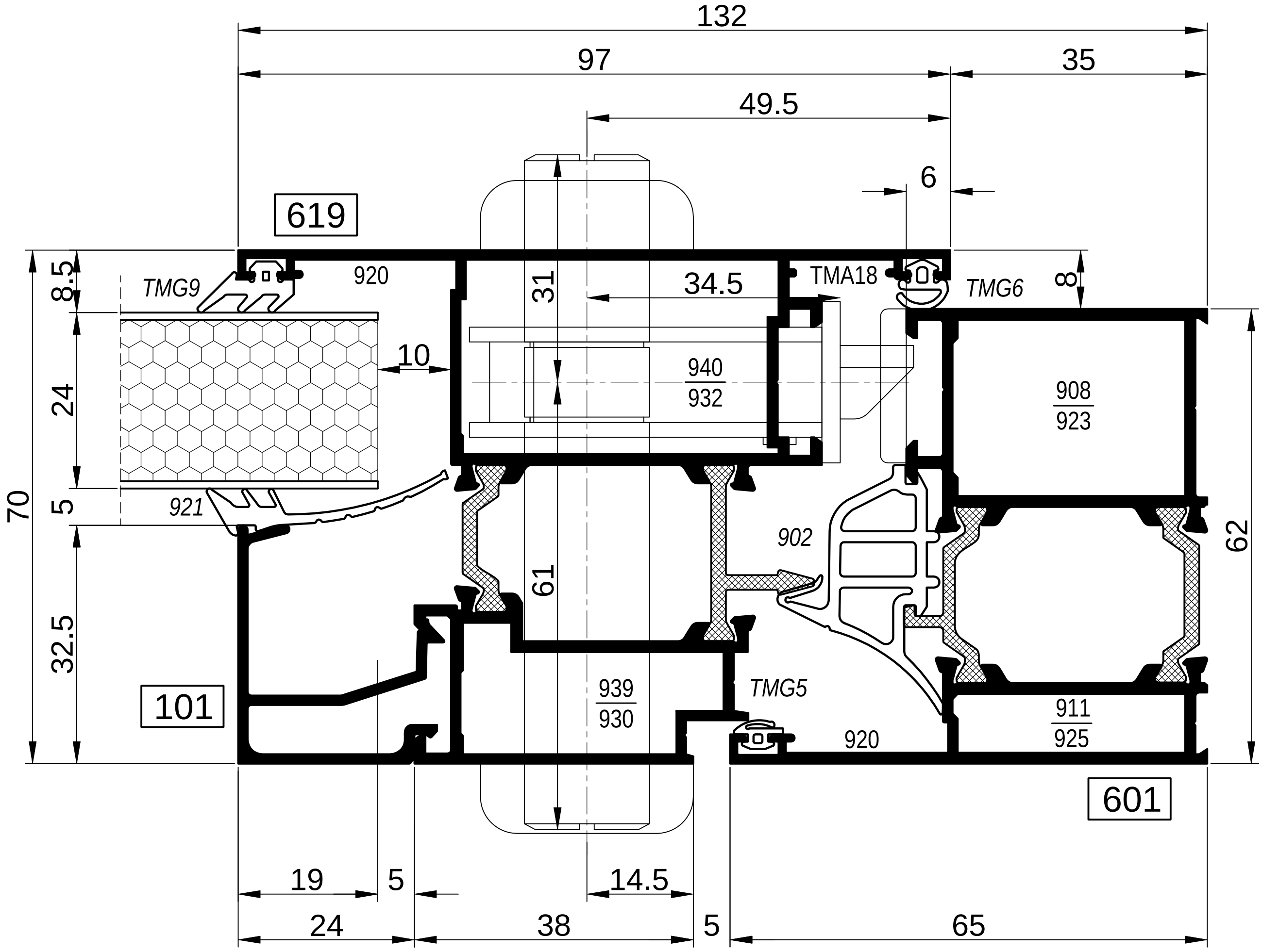
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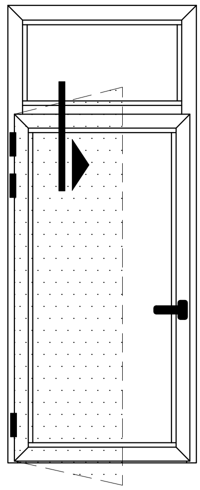

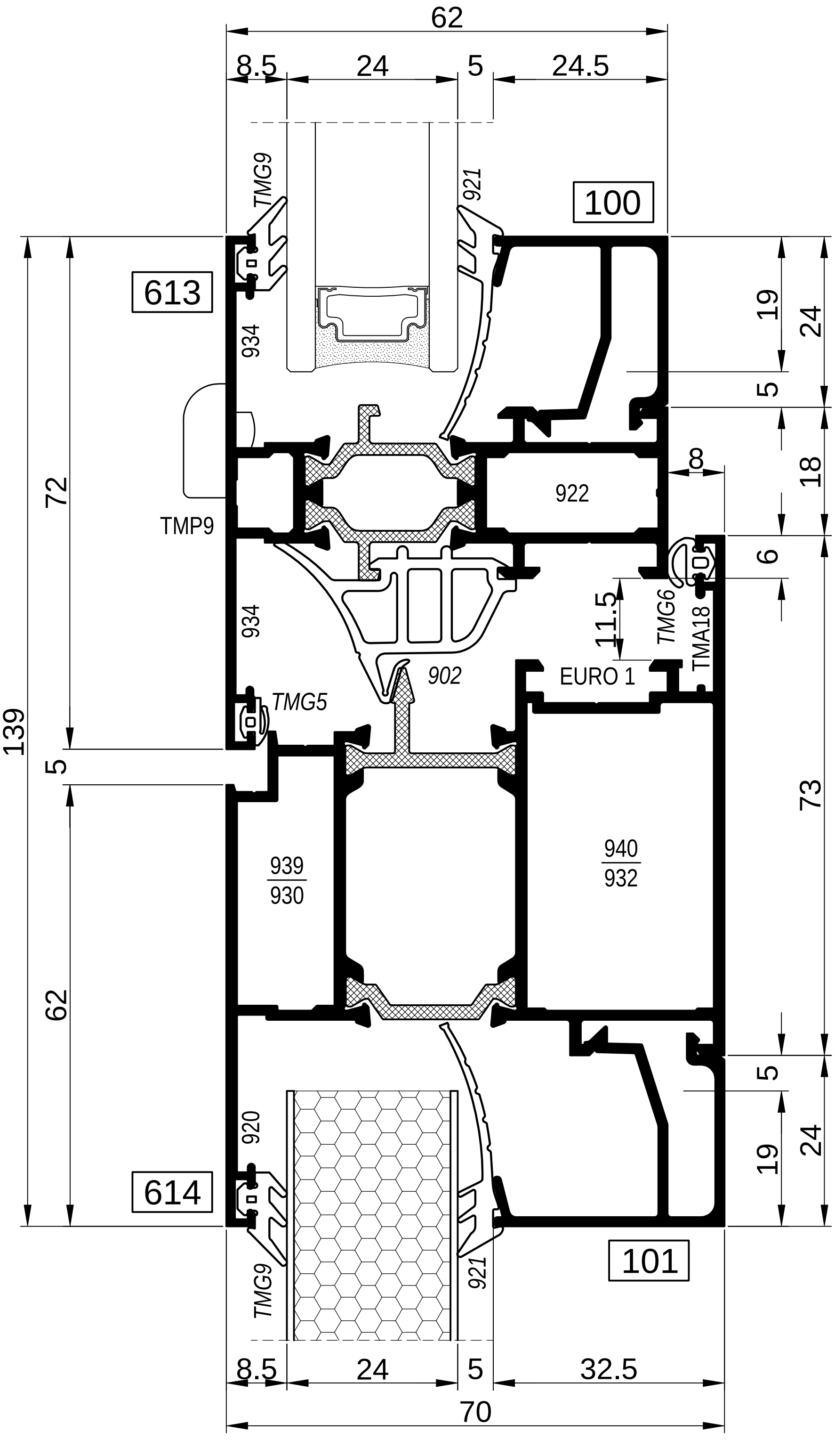
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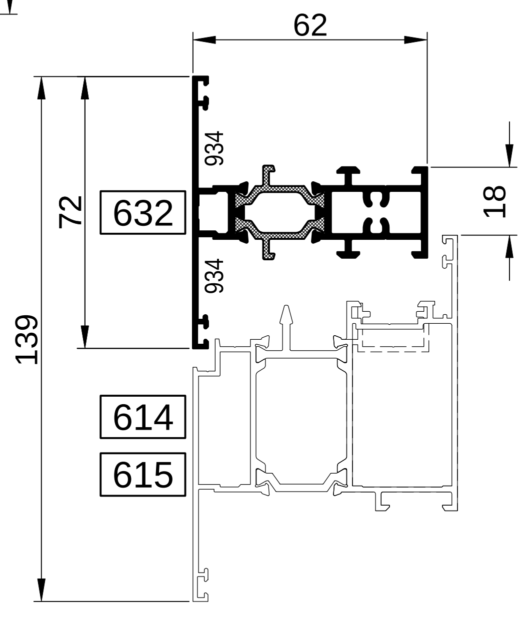
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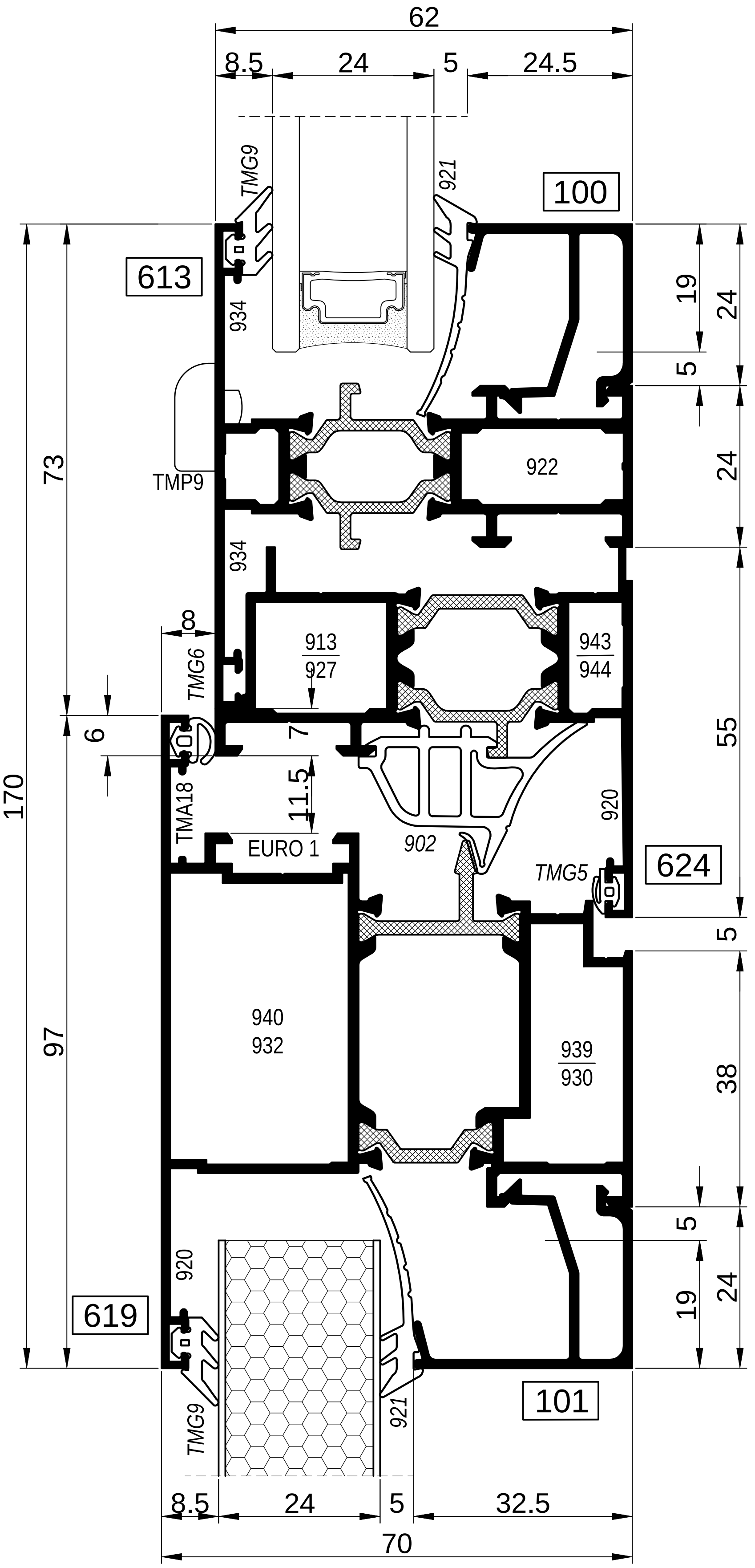
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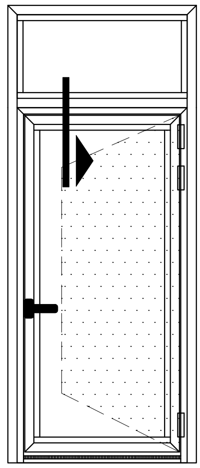

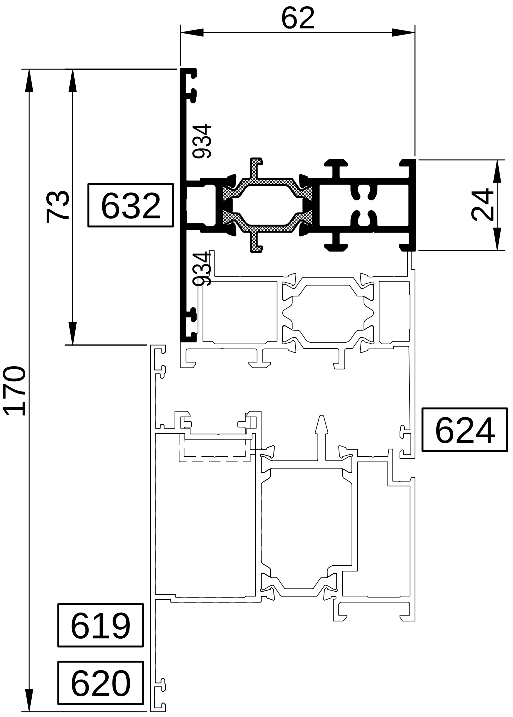
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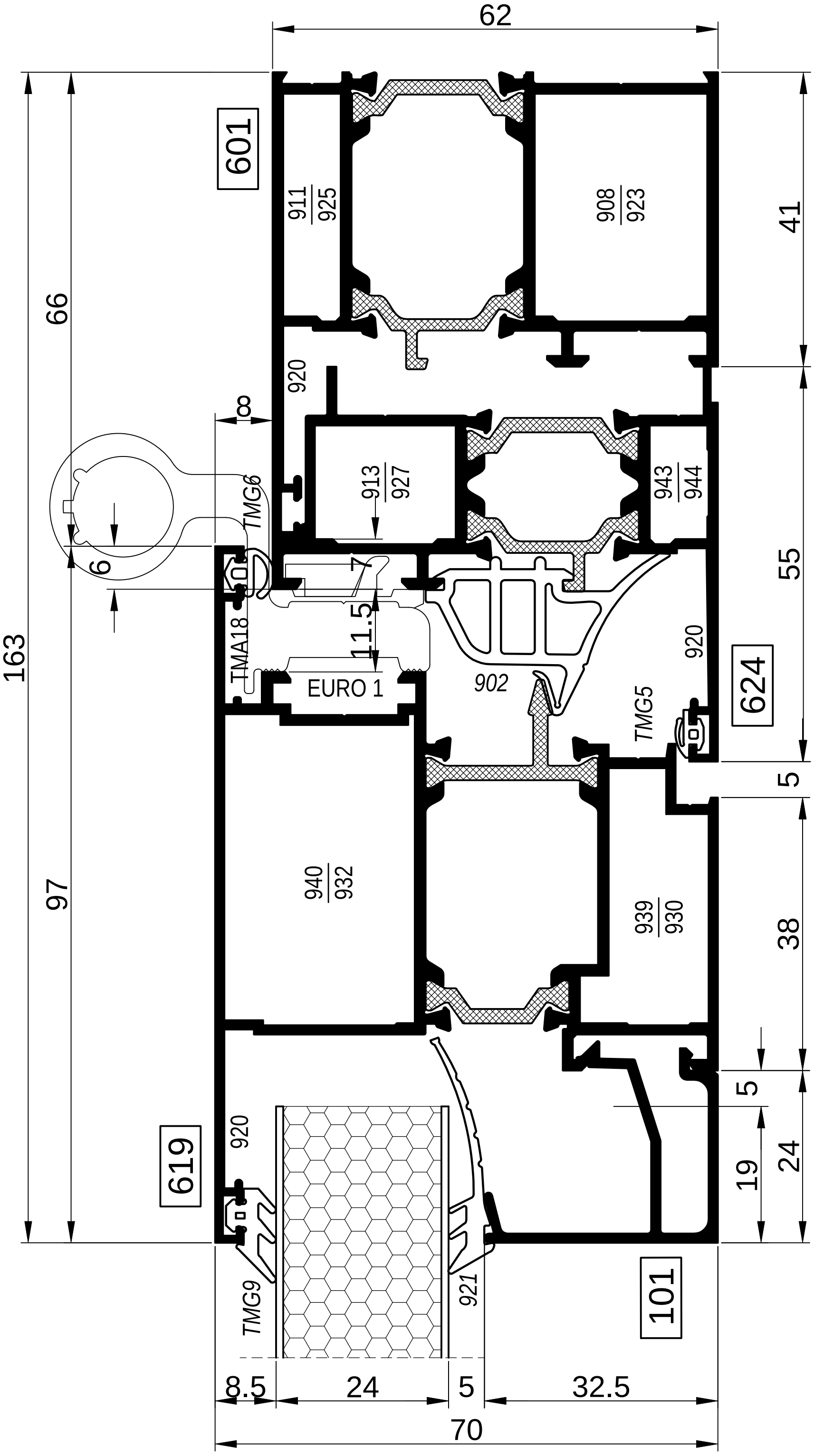
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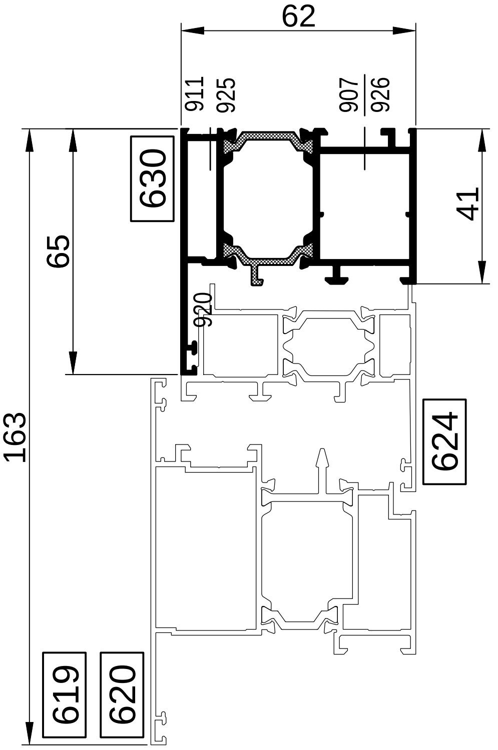
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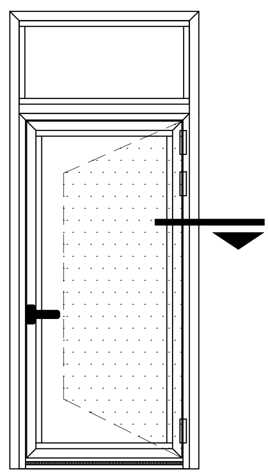

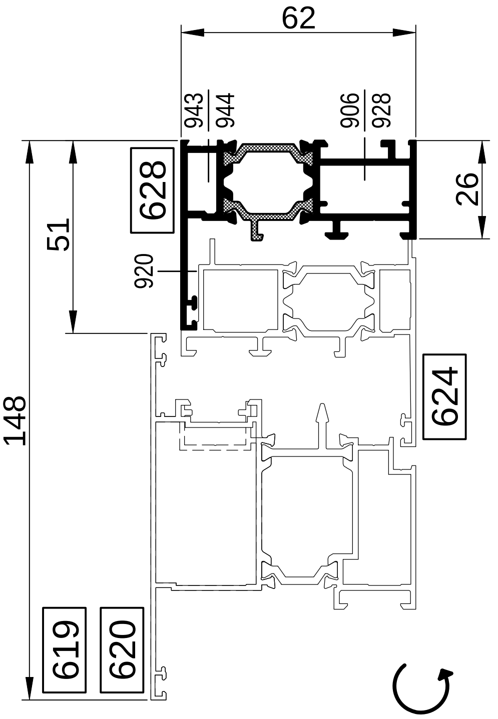
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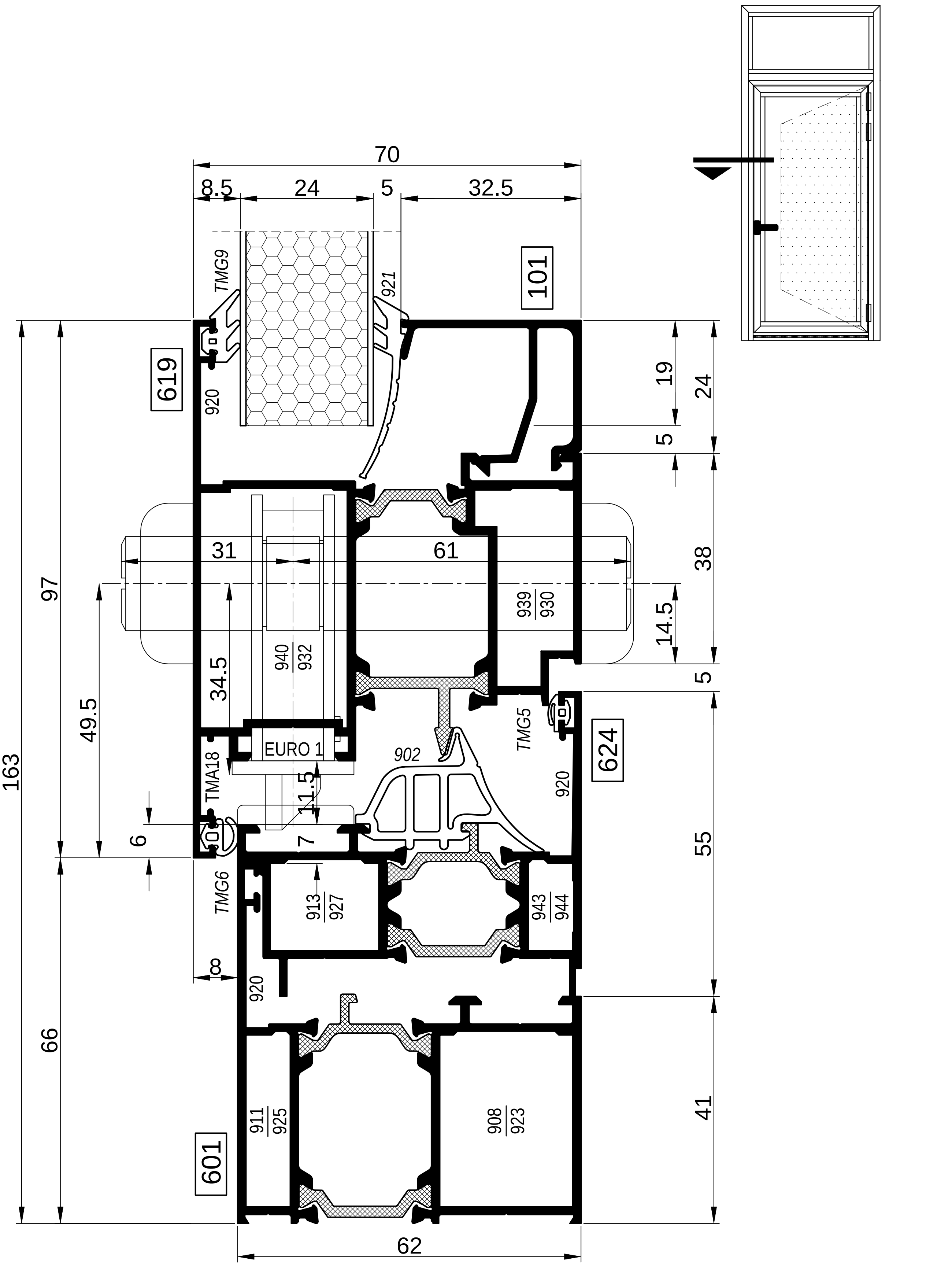
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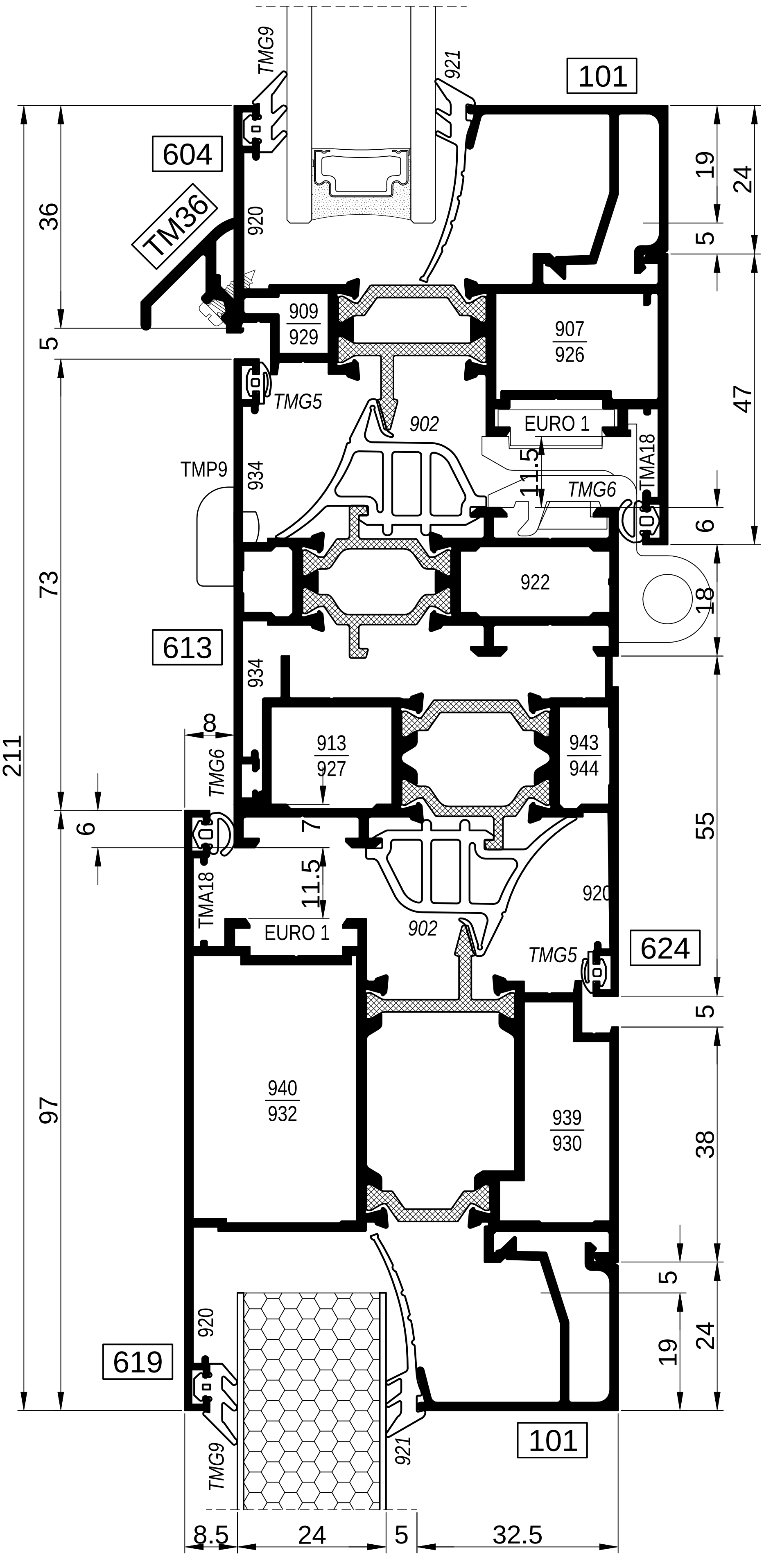
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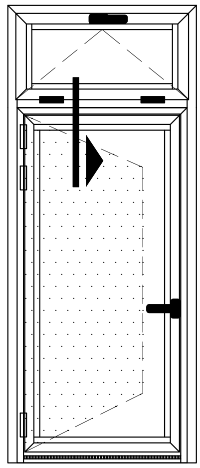

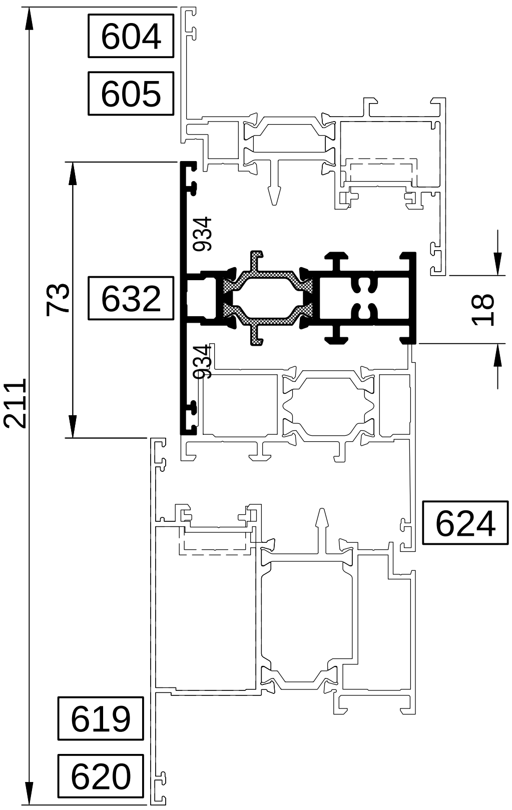
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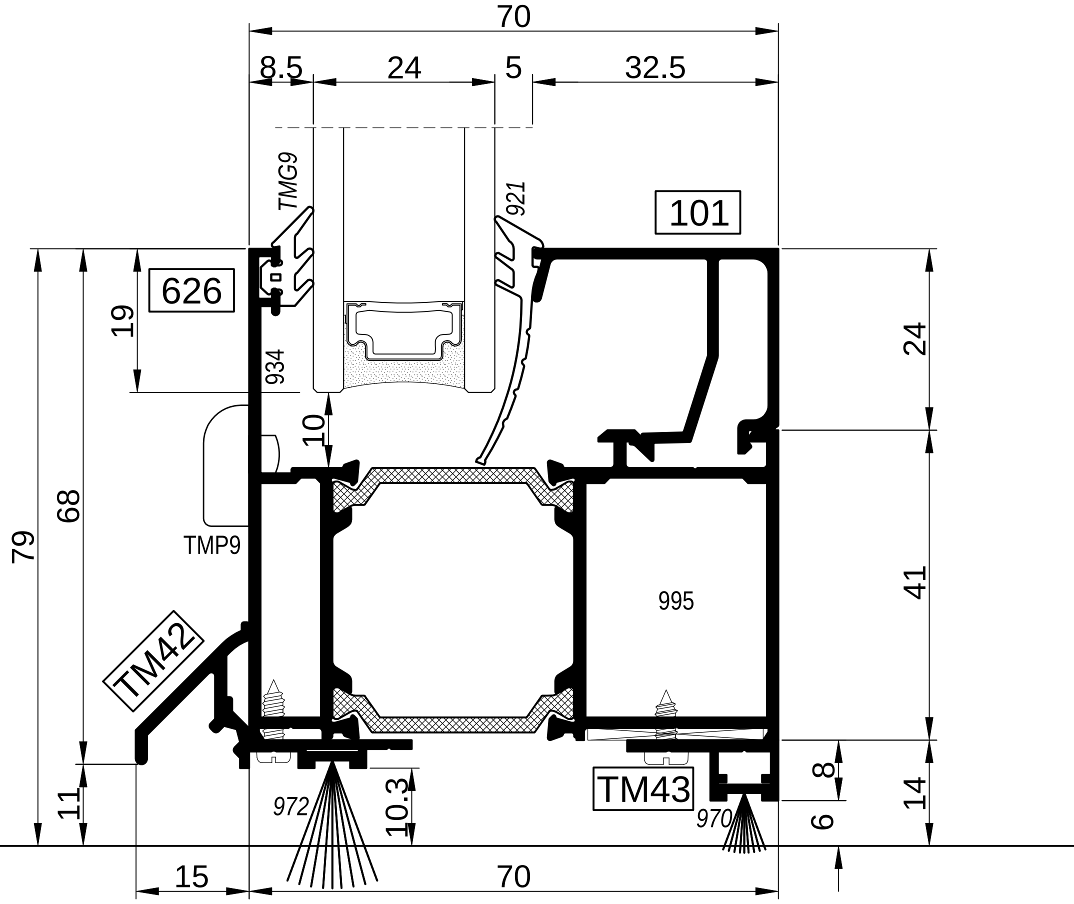
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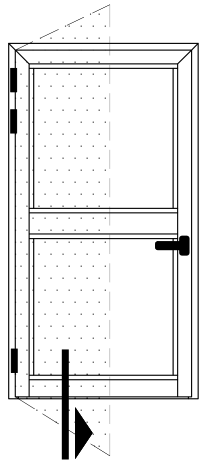

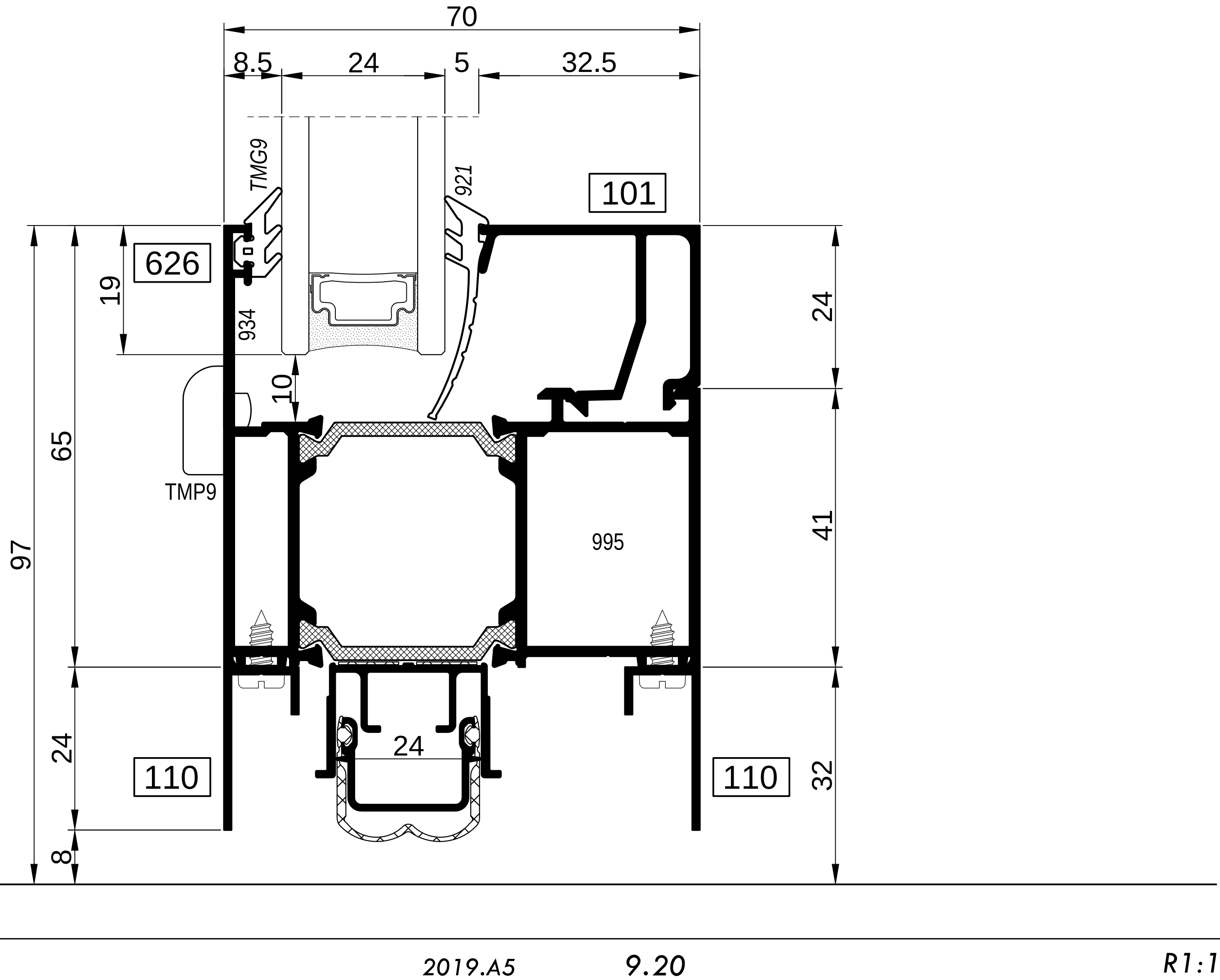
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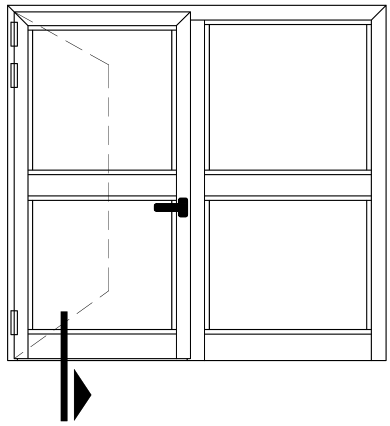

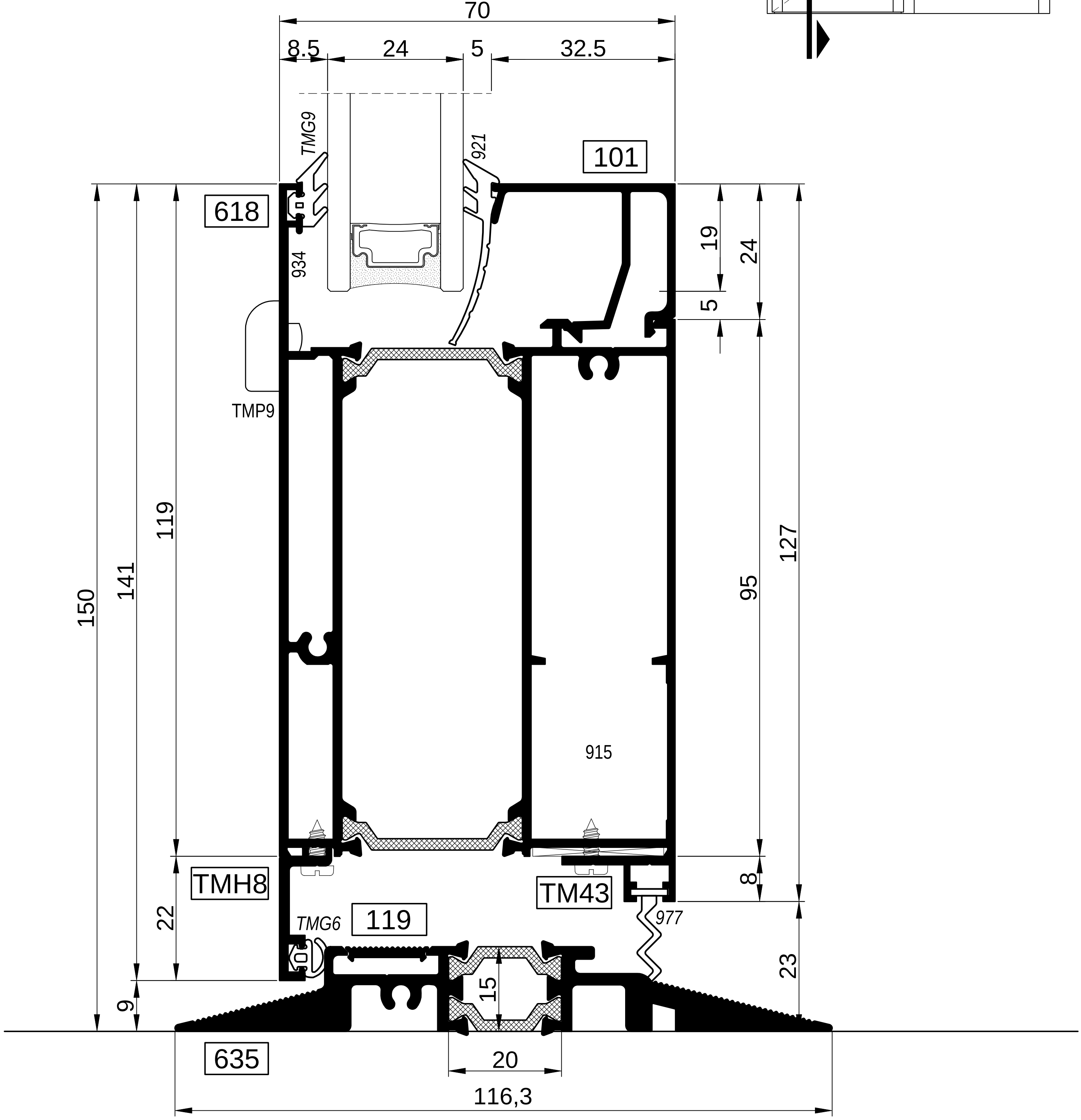
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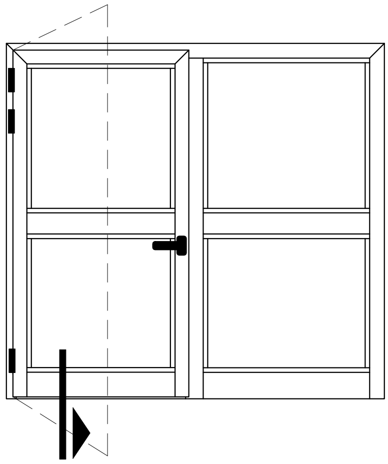

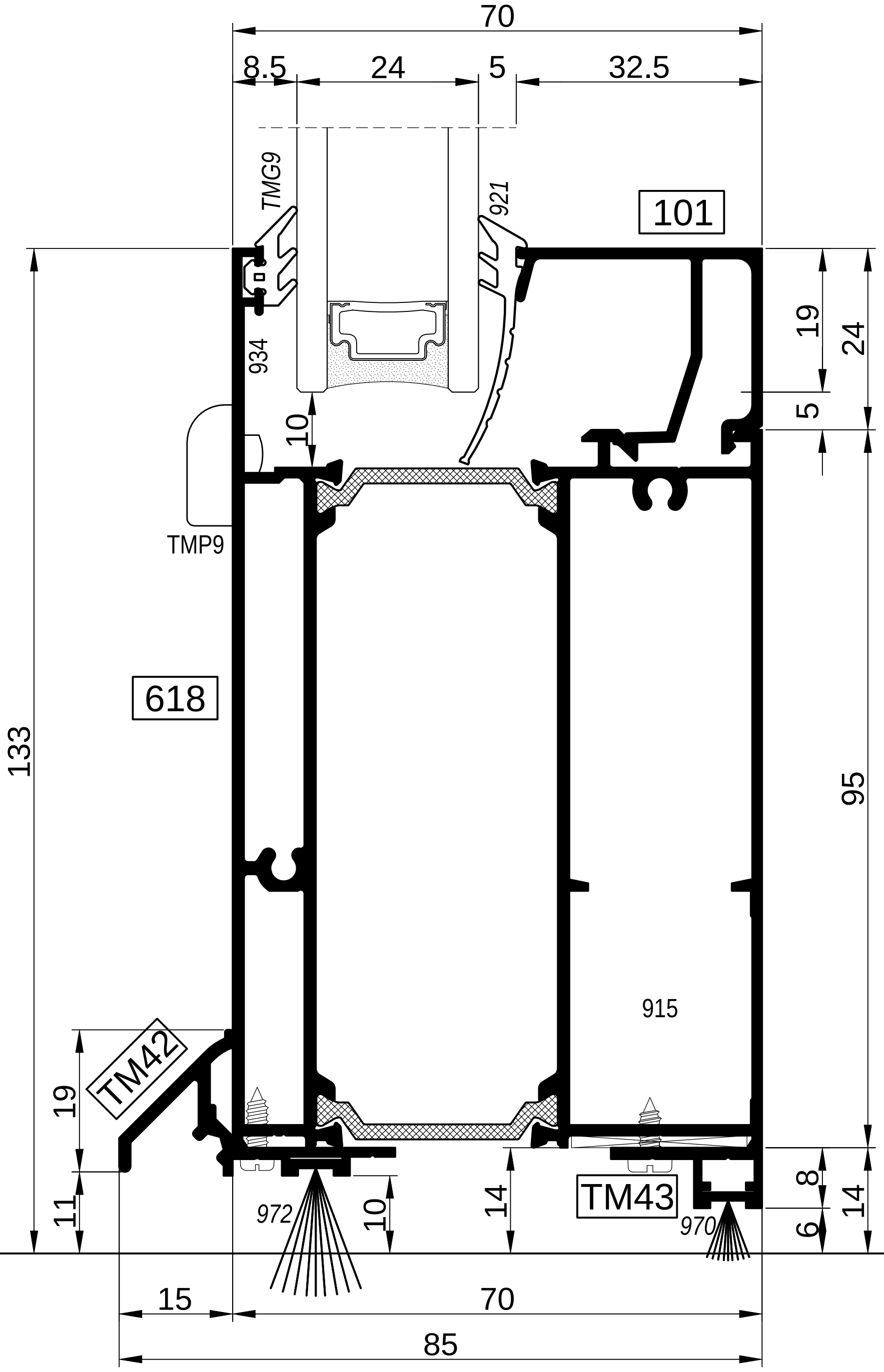
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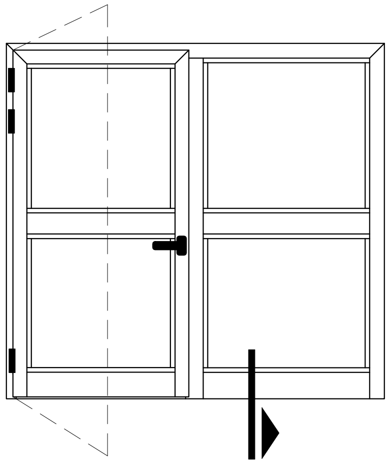

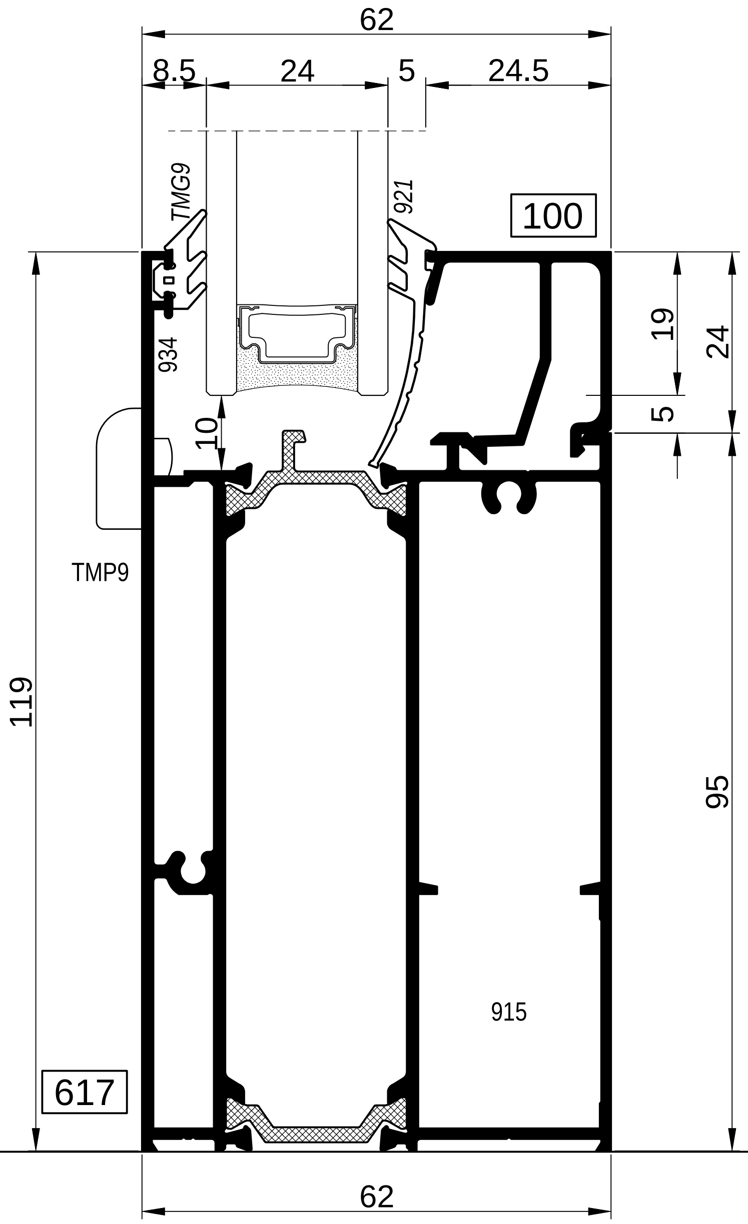

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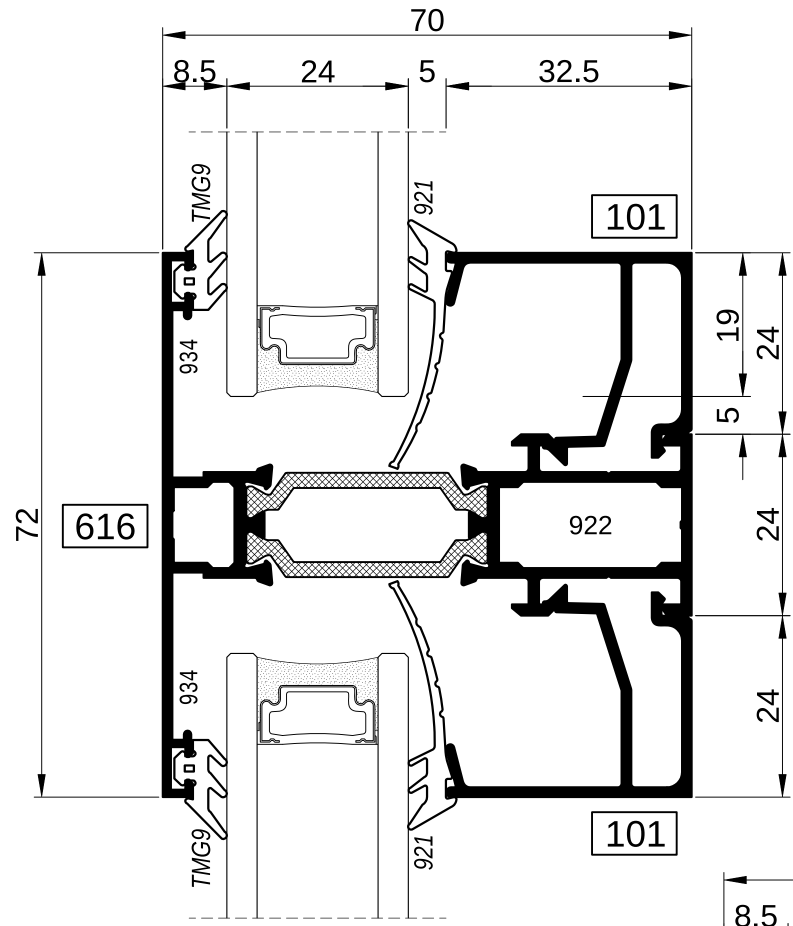
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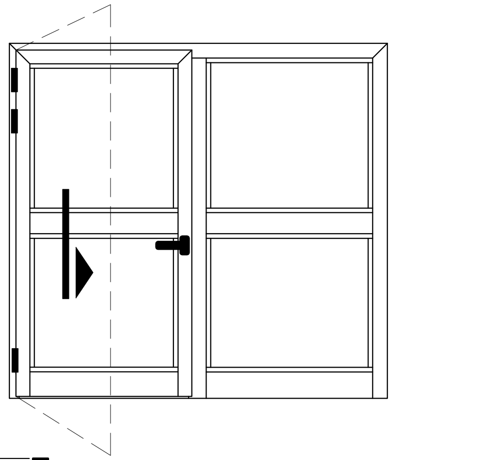

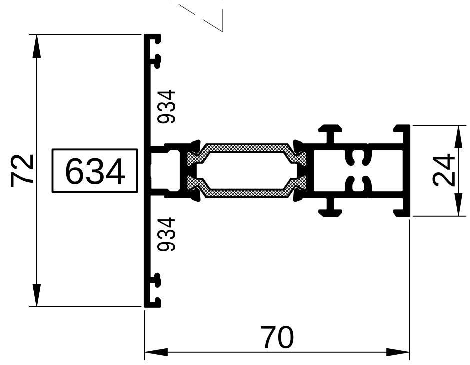
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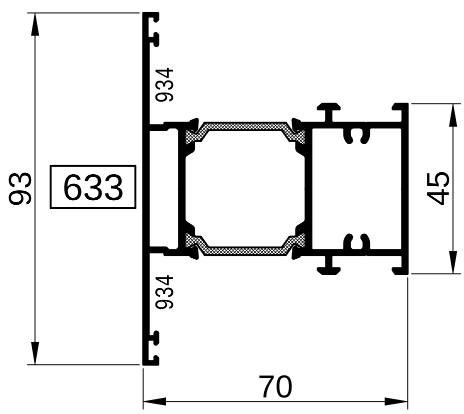
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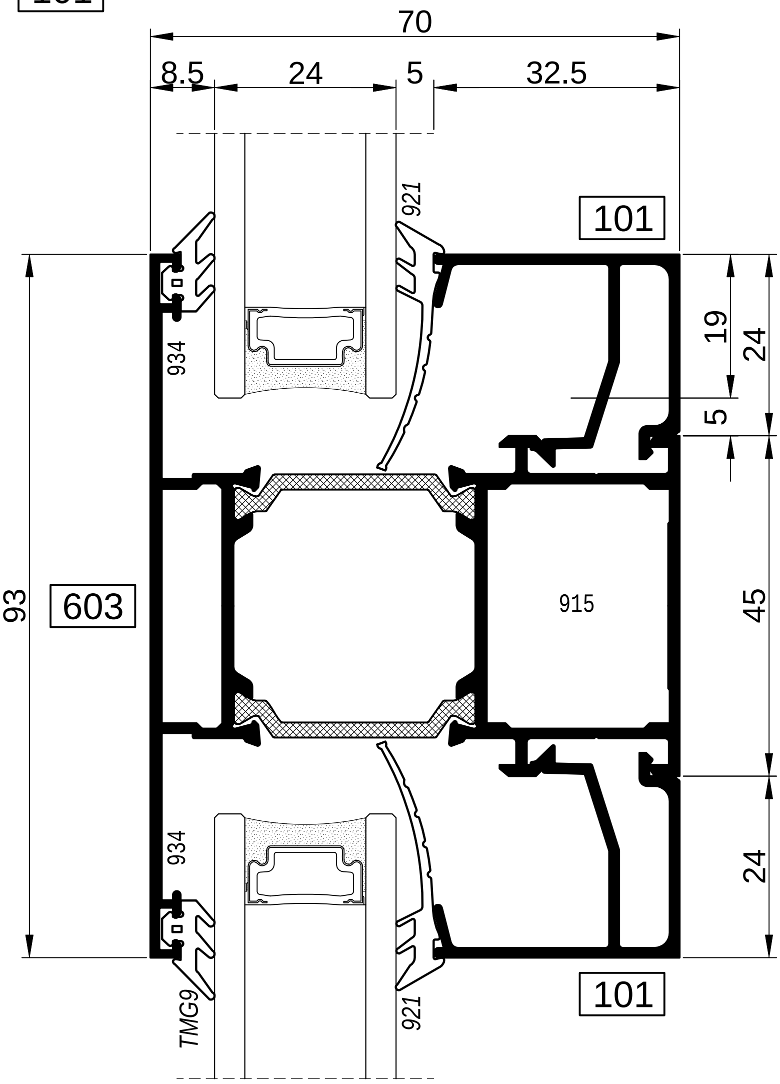
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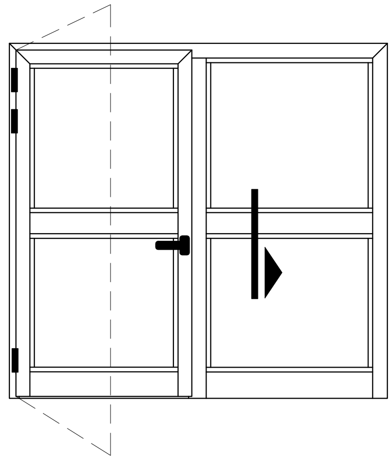

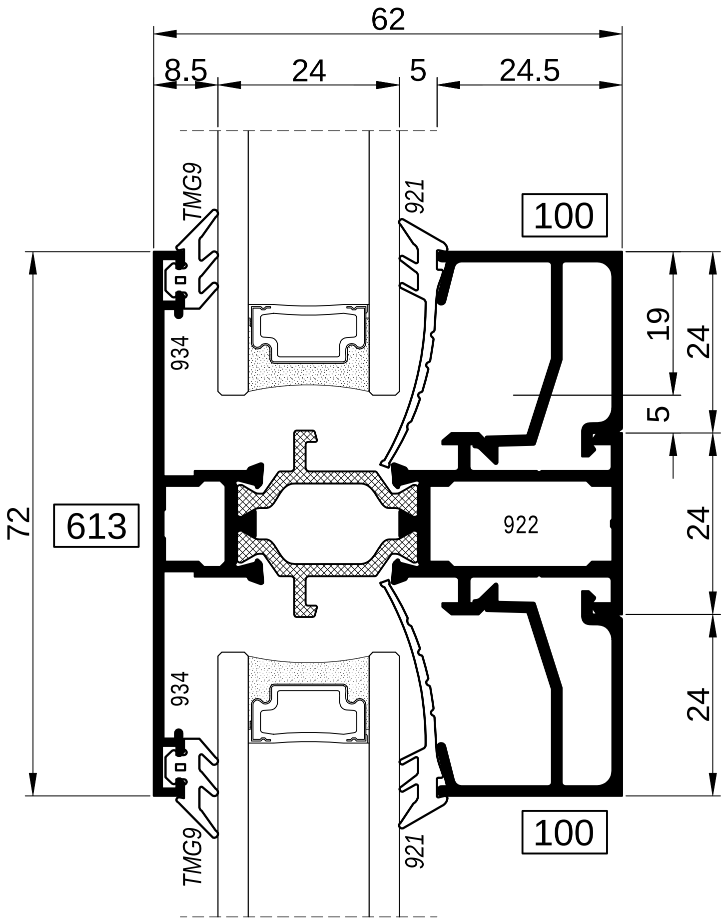
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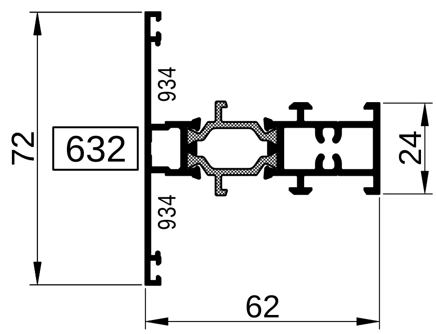
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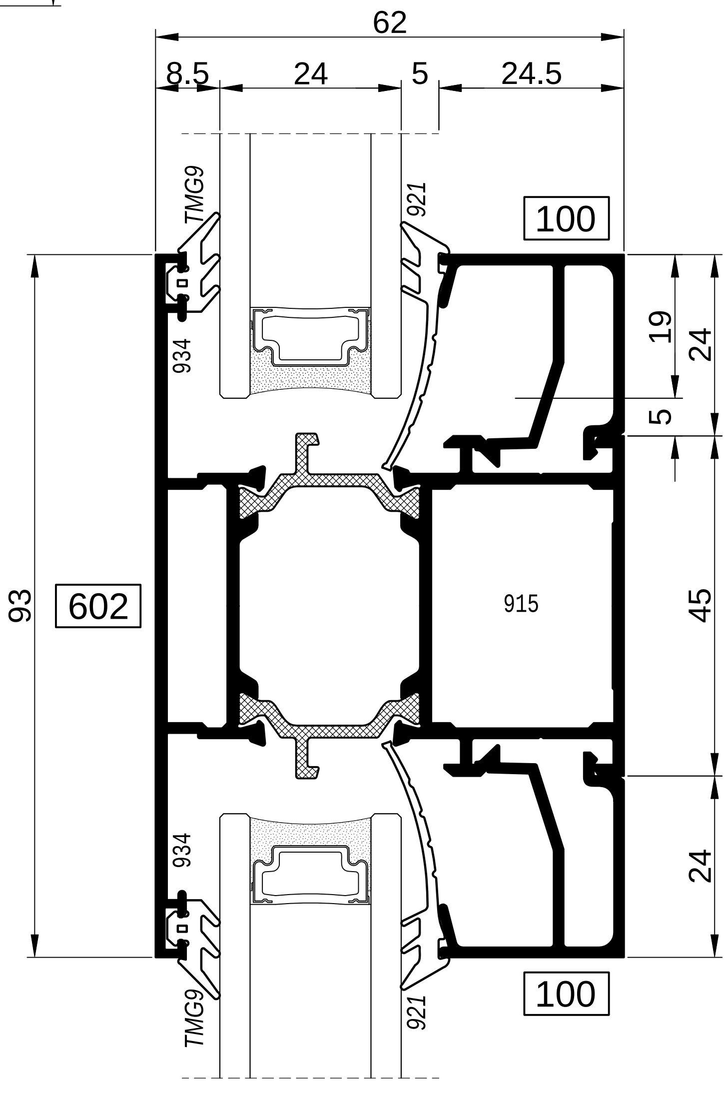
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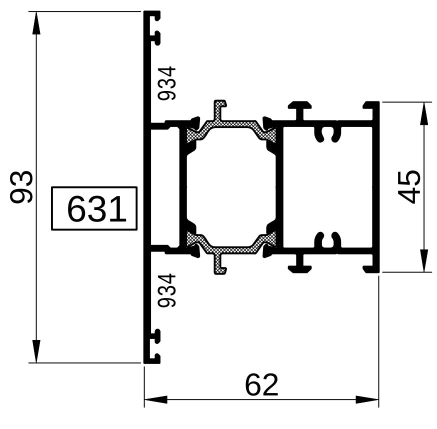
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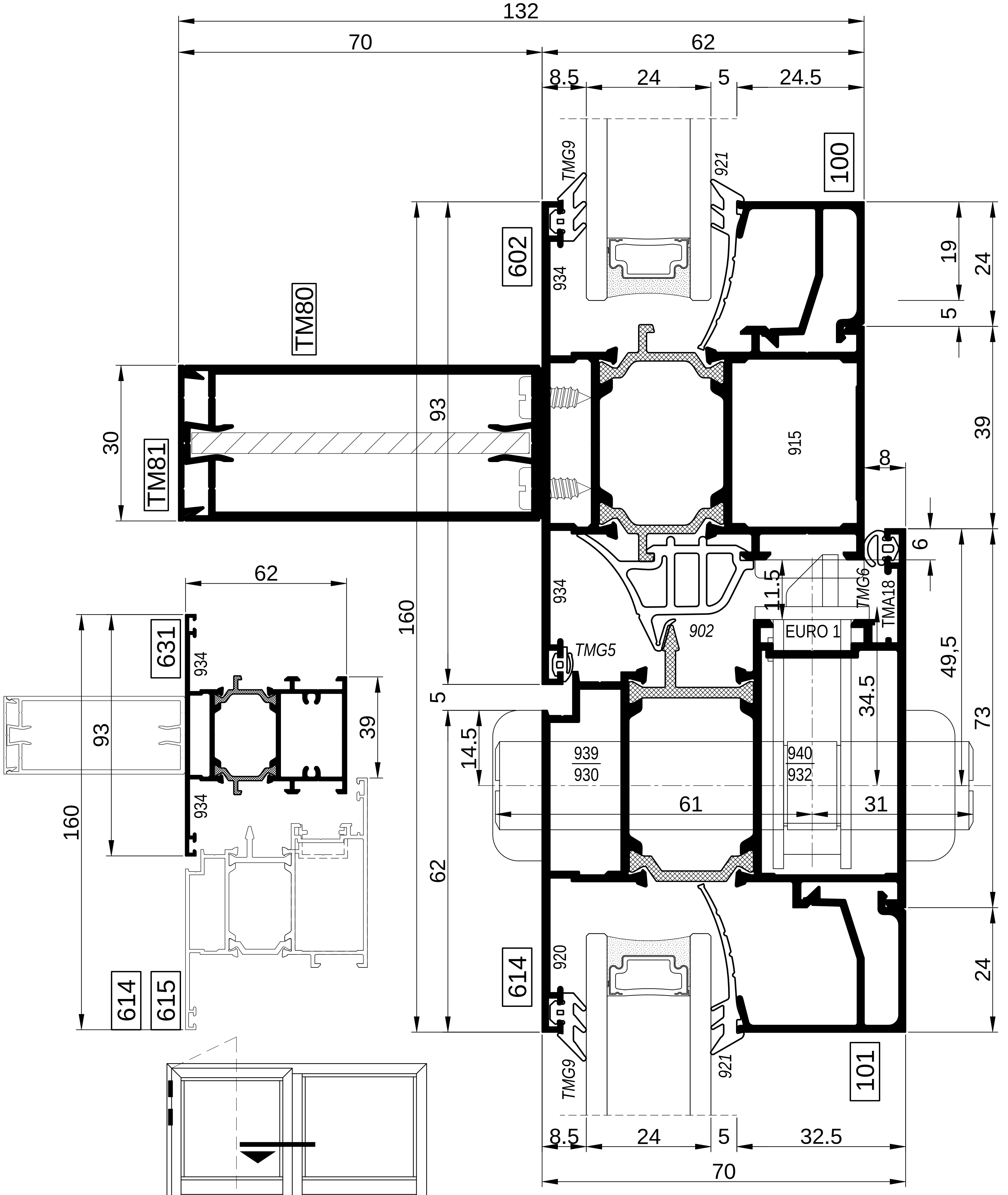
132
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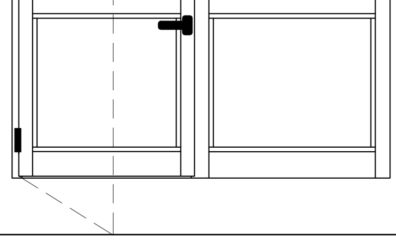
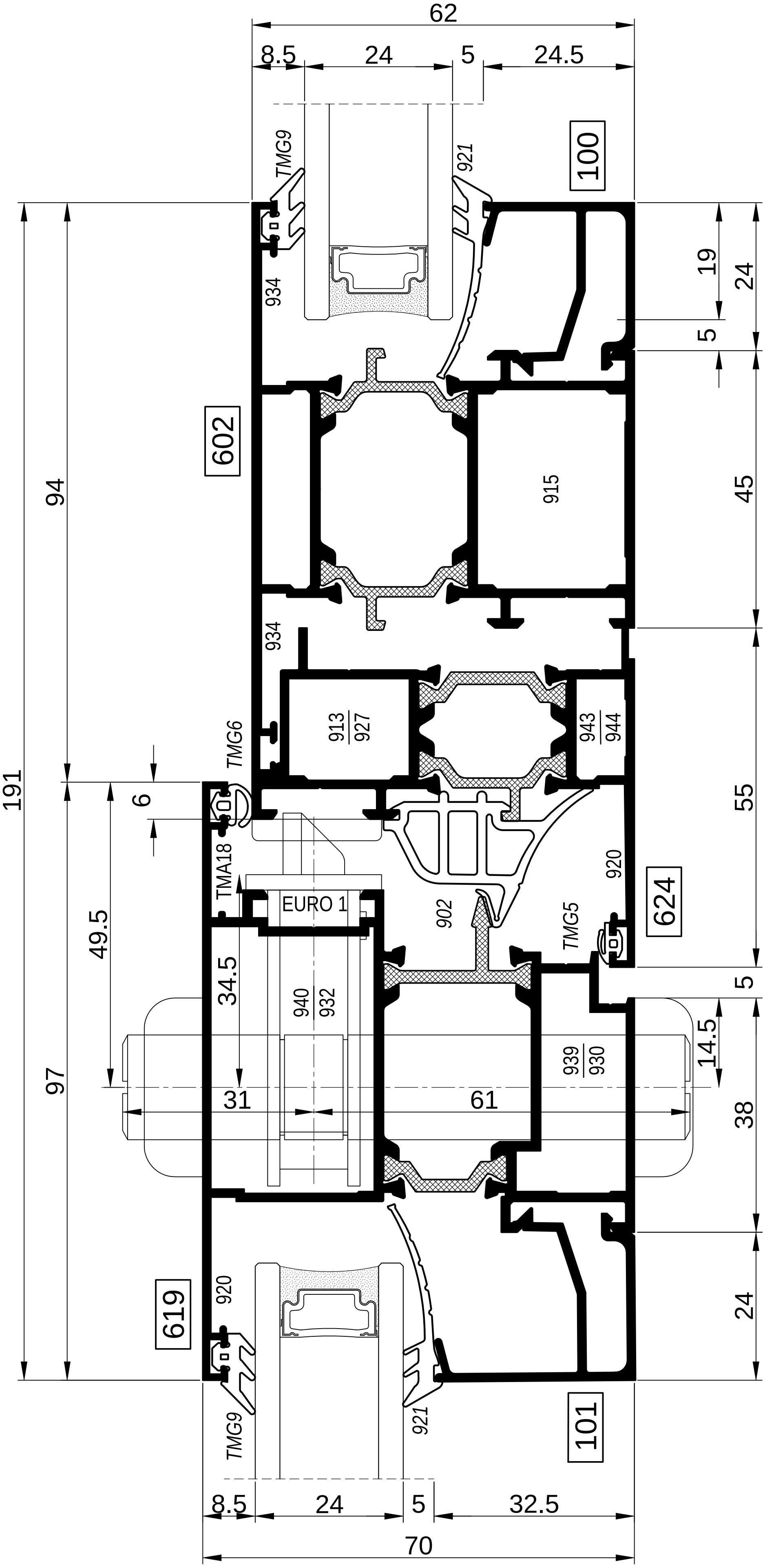


EURO 1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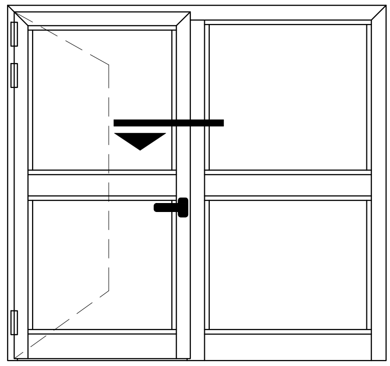

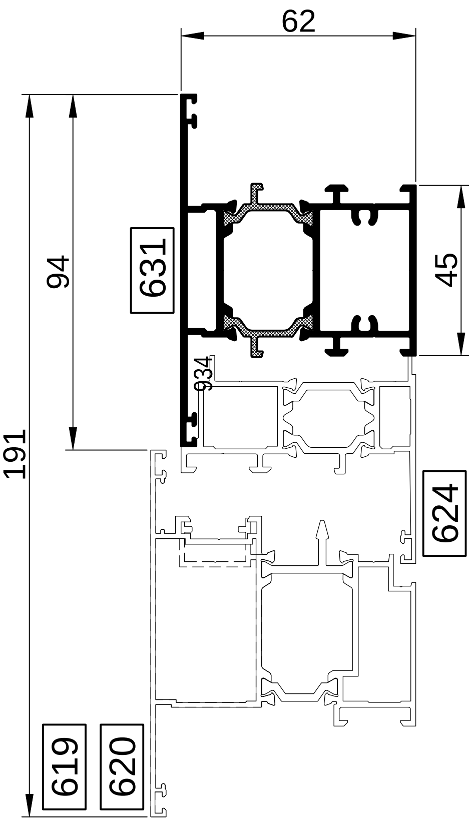
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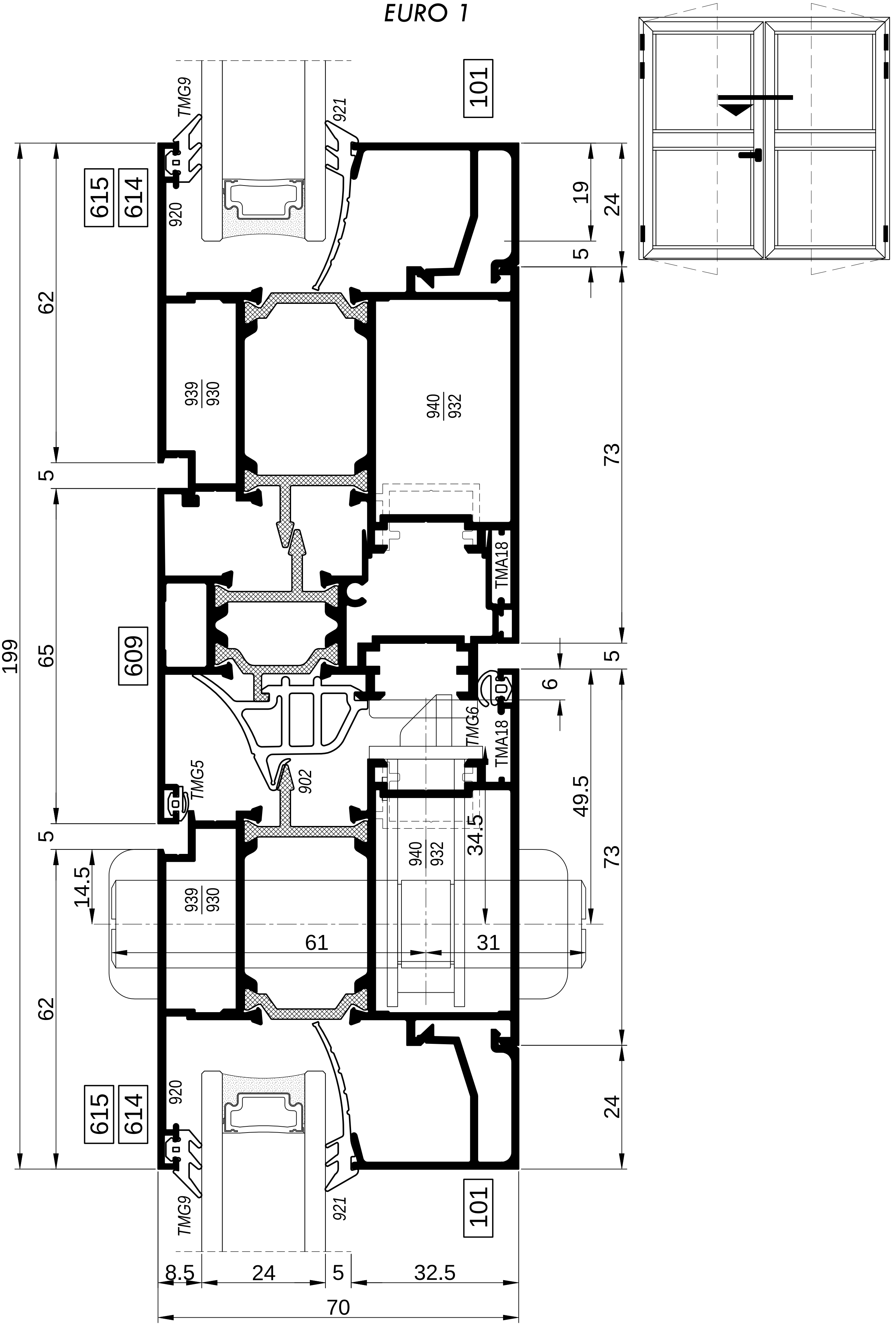
EURO 1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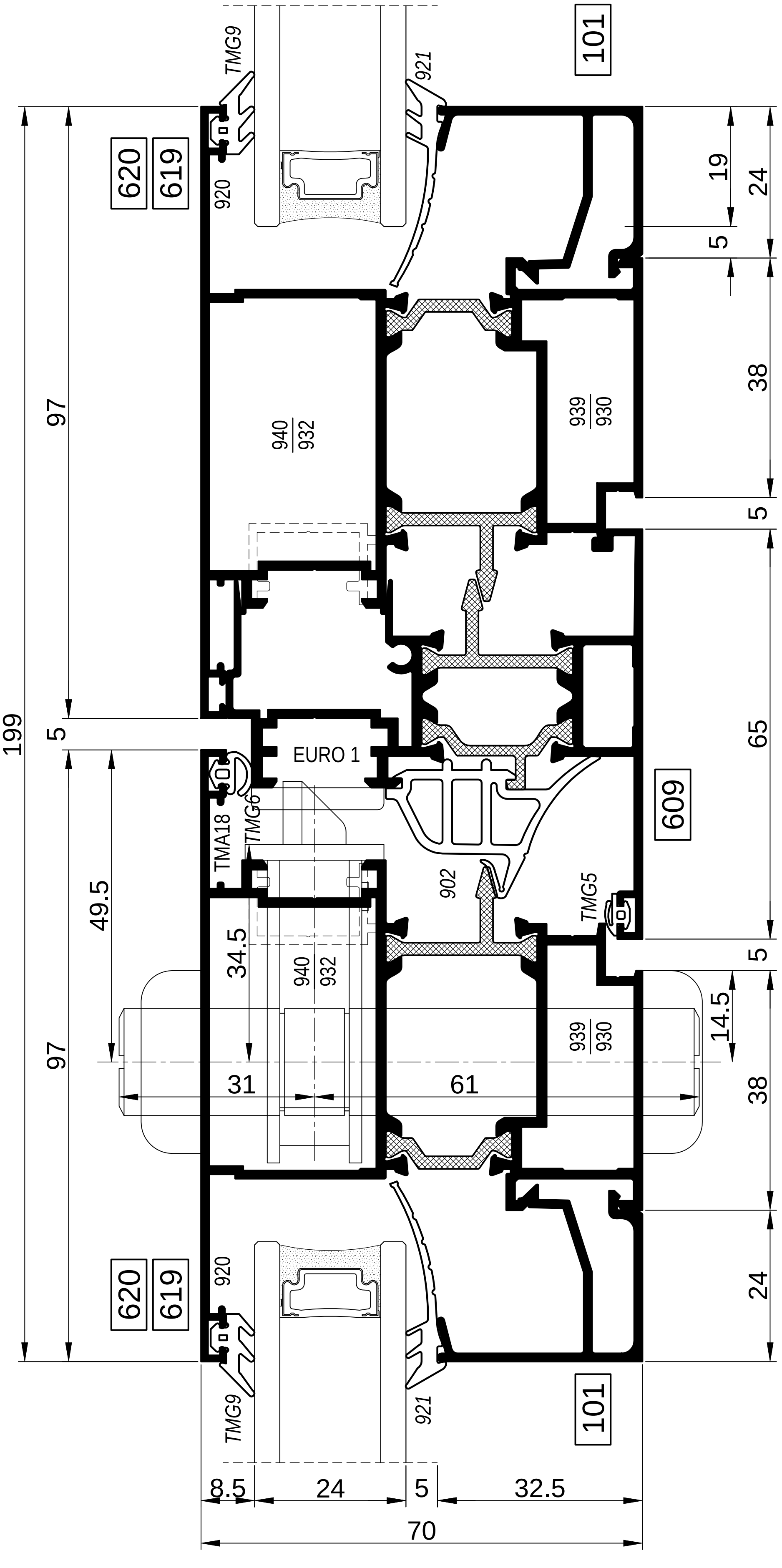
EURO 1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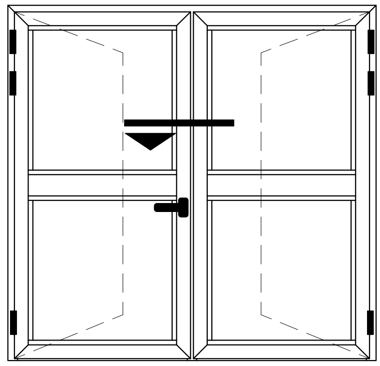
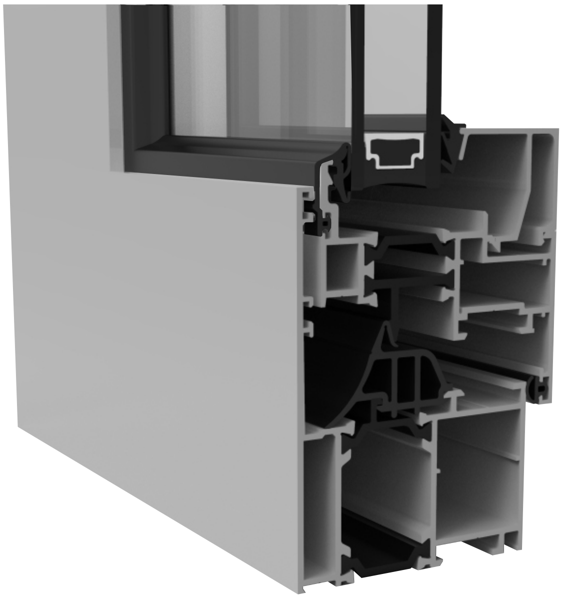
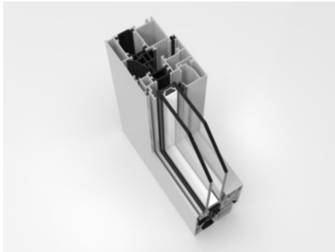
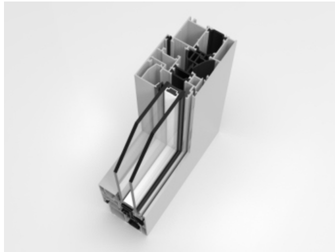


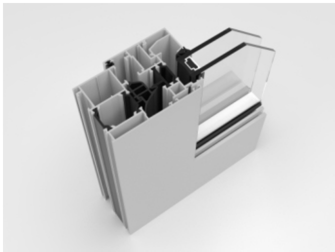
Sistem
System
Система

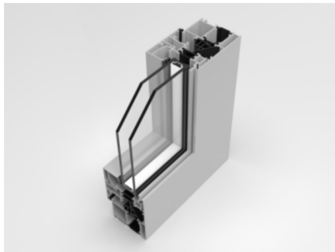
Block Plus 62











Tehnički opis sistema

Sistem LINEAL BLOCK 62 je jedan od osam iz serije LINEAL i predstavlja sistem aluminijumskih profila sa termičkim prekidom, specijalno projektovanih za izradu elemenata prozora sa ugradnom dubinom štoka od 62mm.Sistem je dizajniran tako da zadovoljava savremene zahteve na polju energetske efikasnosti, kao i ostale uslove nepohodne za bezbedan i udoban radni i životni prostor.Prilikom projektovanja elemenata sistema posebna pažnja je posvećena odabiru materijala koji vrše funkciju termičkog prekida u sklopu sistemskih profila. Na ovaj način su postignute maksimalne termoizolacione karakteristike $U_f \geqslant 2{,}6 W/m^2K$, odnosno $U_w \geqslant 1{,}2 W/m^2K$.

- Aluminijumski profili su proizvedeni postupkom ekstruzije u pogonima Tehnomarket-a. Sirovina za proizvodnju profila je primarna legura aluminijuma sa oznakom AlMgSi0,5 (AA6063 i 6060) i zateznom čvrstoćom profila od minimalno $210 KN/mm^2$.
- Poliamidne trake (PA 6,6 sa 25% staklenih vlakana) širine 24mm međusobno spajaju spoljašnje i unutrašnje aluminijumske delove u gotove profile, a pored funkcije mehaničkog spajanja, obezbeđuju i termički prekid. Garantovana sila smicanja spoljnog i unutrašnjeg aluminijumskog profila, povezanih poliamidnim trakama, se kontroliše u toku proizvodnje.
- Izolaciona svojstva sistema potvrđena su kroz rezultate ispitivanja toplotnih performansi. Takođe, ispitivanja su urađena i za otpornost na udare vetra, propuštanje vazduha i vode, kao i za zvučnu izolaciju.
- Block sistem odlikuje specifični dizajn profila kako bi se postigao efekat skrivenog krila u prozorskim elementima, kada ne postoji vizuelna razlika između fiksnih i otvorivih polja u prozorskom elementu ili nizu što doprinosi modernom, minimalističnom dizajnu.
- Sistem omogućava ugradnju standardnog okova u EURO 1 žljeb i okova za PVC u EURO 16mm žljeb.
- Sistem podržava ispune uključujući i staklo pakete od 19 do 50mm sa EPDM zaptivkama koje poseduju integrisanu barijeru protiv produvavanja.
- Zaptivanje u zoni spoja štoka i krila je trostruko, preko tri trajno elastične EPDM zaptivke otporne na UV zračenje.
- Spajanje uglova pomoću ekstrudiranih patent spojnica ili spojnica za presovanje obezbeđeno je zatezanjem u svim komorama profila, što obezbeđuje siguran ugaoni spoj i preciznu geometriju gotovih elemenata.
- Kanalisanje kondenza i incidentne vode je regulisano preko slobodnih ravnih površina u komorama, dok je ventilisana spoljna komora duboka 20mm.
- Osnovna spoljašnja dimenzija štoka od 65mm omogućava idealan prihvat vođica roletne i komarnika. Unutrašnja širina štoka obezbeđuje idealan prostor za sabirnik trake roletne.

LINEAL BLOCK 62

Technical description

System LINEAL BLOCK THERM 77 is one of eight from LINEAL series and it represents aluminium profile system with thermal break, specially designed for manufacturing of windows with frame depth of 62mm. System is designed to satisfy all contemporary demand for energy efficiency, as well as all other requirements for safe and comfortable living and working environment. Special attention was addressed to selection of materials that for the thermal break within the profile. This way, maximal isolation values of Uf ≥2,6W/m²K, or Uw ≥1,2 W/m²K, were achieved.

- Aluminium profiles were manufactured in Tehnomarket's own extrusion factory. The raw material used is primary aluminium alloy AlMgSi0.5 (AA6063 and AA 6060) with minimum tensile strength of 210KN/mm².
- 24mm wide Polyamide stripes (PA 6,6 with 25% glass fibers) connect inner and outer aluminium parts into finished profiles, and beside functioning as a mechanical bond they also provide a thermal break. Guaranteed shearing force for profiles connected with polyamide stripes is strictly controlled during production.
- Insulating performance of the complete system was confirmed through thermal performance testing. At the same time, wind load, air and water permeability and sound insulation were tested as well.
- Block system features distinctive profile design in order to achieve hidden sash effect in window elements, when there is no visual difference between fixed and opening sashes in window element / row that contributes to modern, minimal design.
- System is compatible with both EURO 1 and EURO 16mm groove standards for hardware installation.
- System allows glass packages from 19 to 50mm with EPDM gaskets that feature integrated anti-blowing barrier.
- The triple sealing between frame and sash is achieved with three separate EPDM gaskets resistant to UV light.
- Corner joining with extruded patent or press clips is achieved through all profile chambers, thus guaranteeing secure and precise joints and finished element geometry.
- Drainage of condensed and incidental water is regulated via free flat surfaces in profile chambers, while ventilated outer chamber features optimal width of 20mm.
- Basic outer frame width of 65mm allows for an ideal mounting surface for optimal placement of mosquito net and roll-shutter's guides. Internal width of the frame provides an ideal space for tape coiler.

LINEAL BLOCK 62

Техническое описание системы

Система LINEAL BLOCK 62- одна из восьми систем серии LINEAL и представляет систему алюминиевых профилей с термическим разрывом, специально разработанная для производства элементов окон с монтажной глубиной косяка от 62мм. Система разработанна для удовлетворения современных требований в области энергоэффективности, а также и других необходимых условия для безопасного и комфортного рабочего и жилого пространства. При проектировании элементов системы, особое внимание было уделено выбору материалов, которые выполняют функцию теплового разрыва внутри профиля. Таким образом, достигнуты максимальные теплоизоляционные свойства Uf ≥ 2,6W/м²K и Uw ≥ 1,2W/м²K.

• Алюминиевые профили изготовлены способом экструзии в производственных цехах Техномаркета. Сырьем для производства профилей является первичный алюминиевый сплав с обозначением AlMgSi0,5 (AA6063 и 6060) и с минимальной прочностью на разрыв профиля 210KN/мм².

• Полиамидные полоски (PA 6,6 с 25% стекловолокна) шириной 24мм и сотовые мульти камерные структуры взаимосвязывают внешние и внутренние алюминиевые части в готовых профилях. Кроме функции механического соединения обеспечивают и тепловой разрыв. Гарантированная сила сдвига внешнего и внутреннего алюминиевого профиля, которые связаны полиамидными полосками, контролируется в процессе производства.

• Изоляционные свойства системы потверждены результатами испытаний тепловых характеристик. Кроме того, были проведены испытания устойчивости на удары ветра, пропуск воздуха и воды, как и звукоизоляции.

• Блок система имеет особый дизайн профиля для достижения эффекта скрытой створки в элементах окна, когда нет визуальной разницы между фиксированными и открытыми полями в элементе или серии окон, что способствует современному минималистскому дизайну.

• Система позволяет установку установку стандартной фурнитуры в EURO 1 желоб и фурнитуры для ПВХ в EURO 16мм желоб.

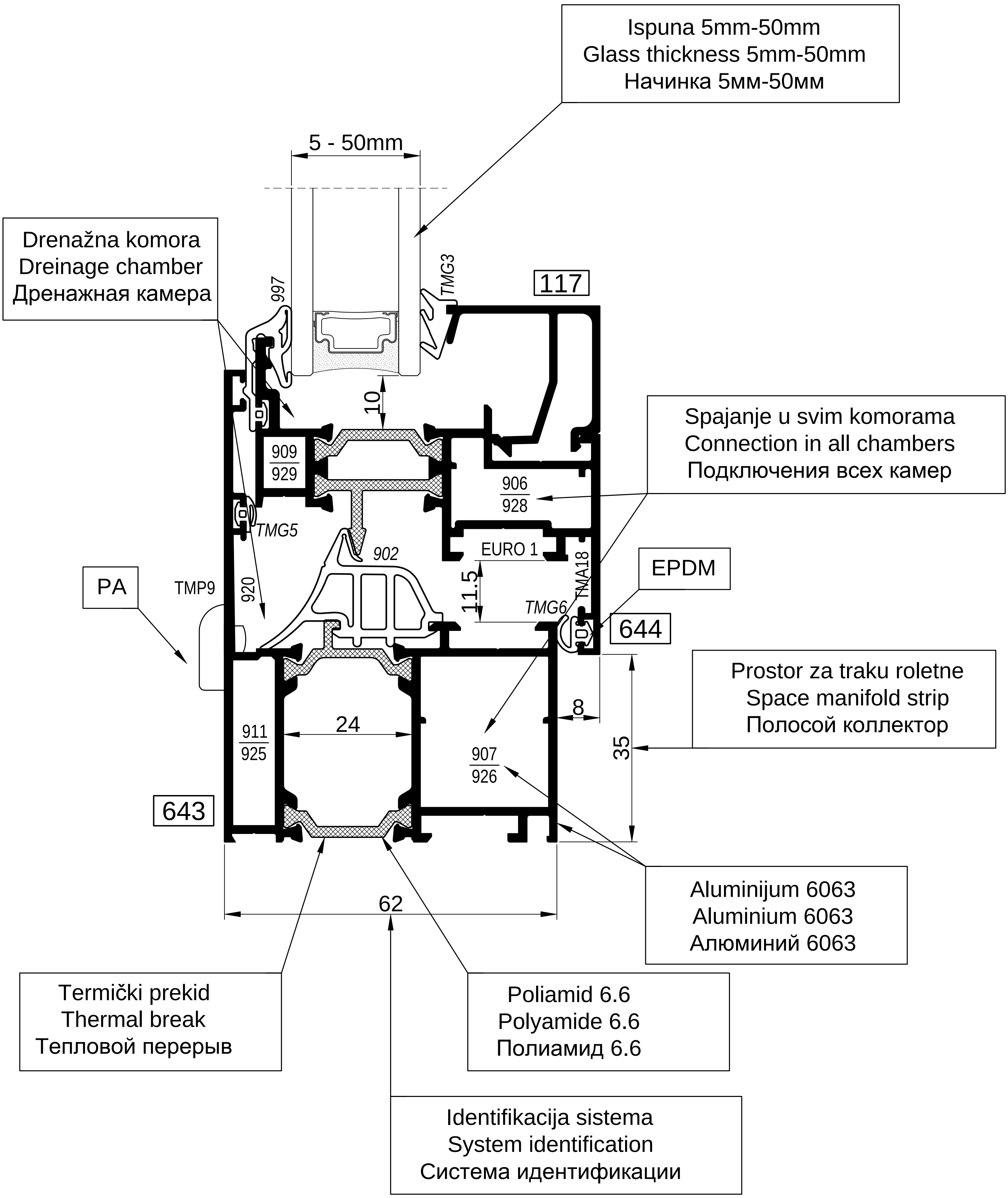
• Система поддерживает и заполнения, включая и стеклопакеты от 19 до 50мм, с EPDM прокладками, которые имеют интегрированный барьер против выдувания.

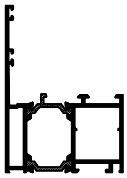
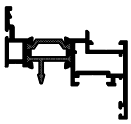
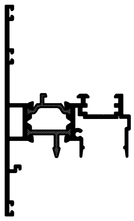
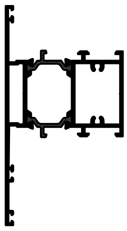
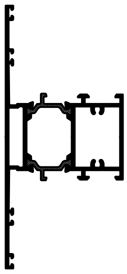
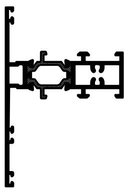
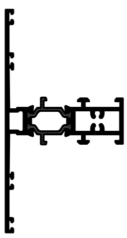
• Уплотнение в зонах соединений косяка и створки - тройное, с тремя постоянно упругими прокладками EPDM, которые устойчивы к UV-излучению.

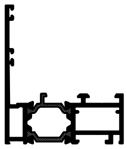
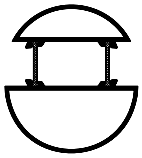
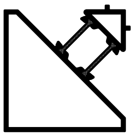
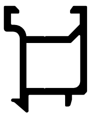
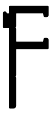
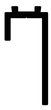
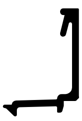
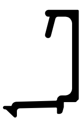
• Сцепление углов, с помощью экструдированных сцепных устройств или сцепных устройств для прессовки, обеспеченное затяжкой во всех камерах профиля, что обеспечивает недежное соединение углов и точную геометрию готовых элементов.

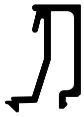
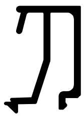
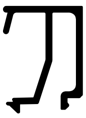
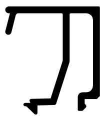
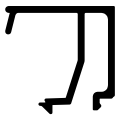
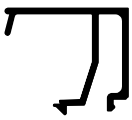
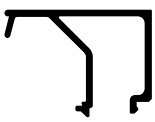
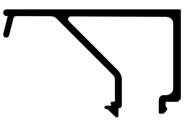
• Направление конденсации и случайных вод регулируется через свободные ровные поверхности в камерах, в то время как вентилируемая внешная камера имеет глубину 20мм.

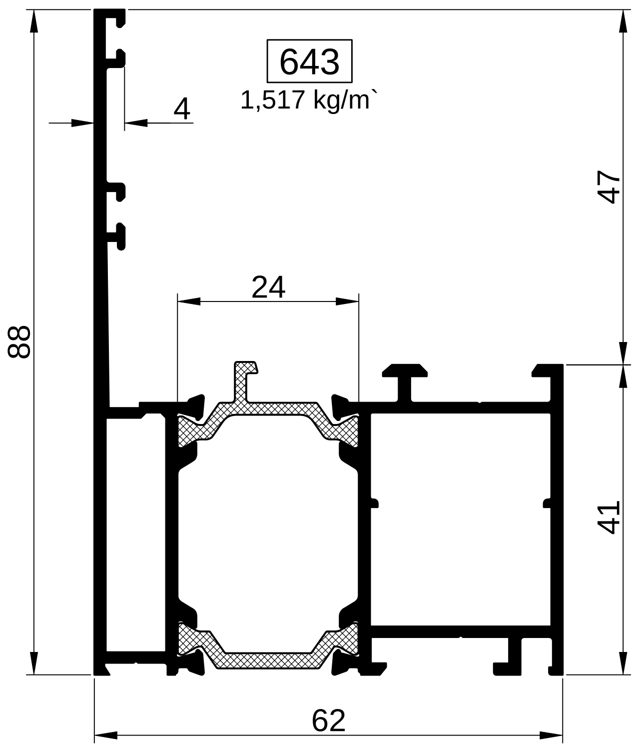
• Основной внешний размер косяка от 65мм позволяет идеальный прием направляющей жалюзи и противомоскитных сеток. Внутренняя ширина косяка обеспечивает идеальное место для коллектора полосок жалюзи.

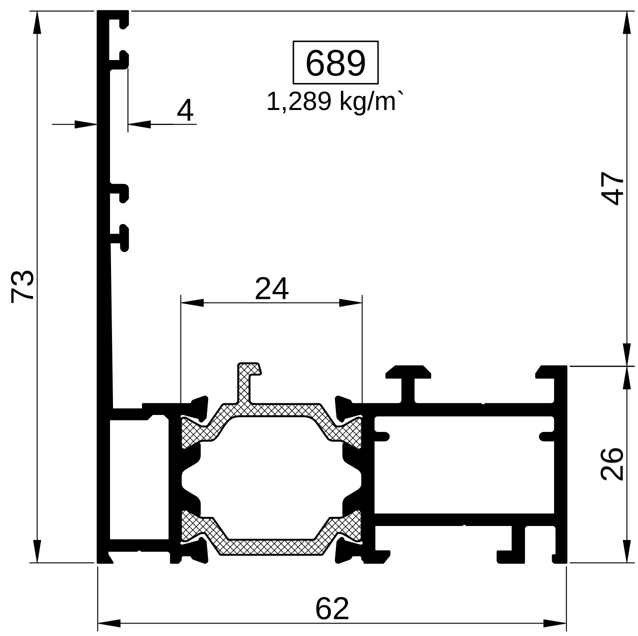

Ispuna 5mm-50mm
Glass thickness 5mm-50mm
Начинка 5мм-50мм
5 - 50mm
Drenažna komora
Dreinage chamber
Дренажная камера
997
TMG3
117
10
909
929
906
928
Spajanje u svim komorama
Connection in all chambers
Подключения всех камер
TMG5
902
EURO 1
PA
TMP9
920
11.5
TMG6
TMA18
EPDM
644
Prostor za traku roletne
Space manifold strip
Полосой коллектор
8
24
911
925
907
926
35
643
62
Aluminijum 6063
Aluminium 6063
Алюминий 6063
Termički prekid
Thermal break
Тепловой перерыв
Poliamid 6.6
Polyamide 6.6
Полиамид 6.6
Identifikacija sistema
System identification
Система идентификации

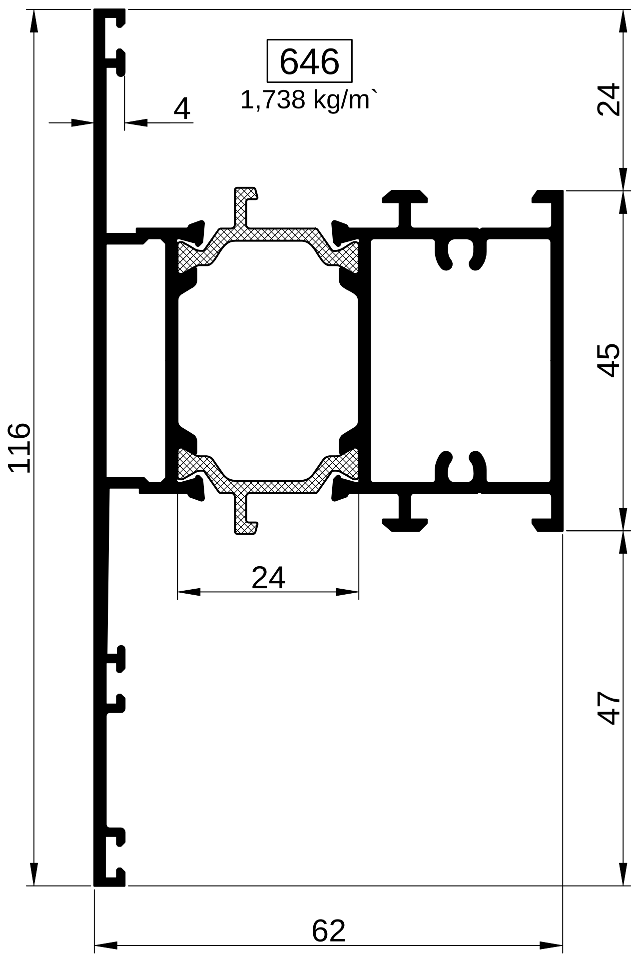
	Oznaka Mark Марк kg/m'	Opis Description Описание	cm^4 Ix Iy			a a	b b
	643 1,517	Štok Frame Рама	34,33 15,31	911 925	907 926	920 920	- -
	644 1,176	Prozorsko krilo - EURO 1 Casement -EURO 1 Оконная створка -ЕУРО 1	21,55 2,77	909 929	906 928	- -	TMA18 TMA18
	645 1,488	Veza dvokrilnog prozora - EURO 1 French casement adaptor -EURO 1 Соединительный профиль двойног окна -ЕУРО 1	22,88 25,55	- -	- -	- -	- -
	646 1,738	Prečka u štoku T profile in frame T профиль в раме	25,87 38,62	- -	- -	x2 934 x2 934	- -
	647 1,869	Prečka u štoku T profile in frame T профиль в раме	32,56 50,73	- -	- -	x2 934 x2 934	- -
	691 1,362	Prečka u štoku T profile in frame T профиль в раме	25,44 13,94	- -	- -	x2 934 x2 934	- -
	690 1,492	Prečka u štoku T profile in frame T профиль в раме	27,16 27,71	- -	- -	x2 934 x2 934	- -

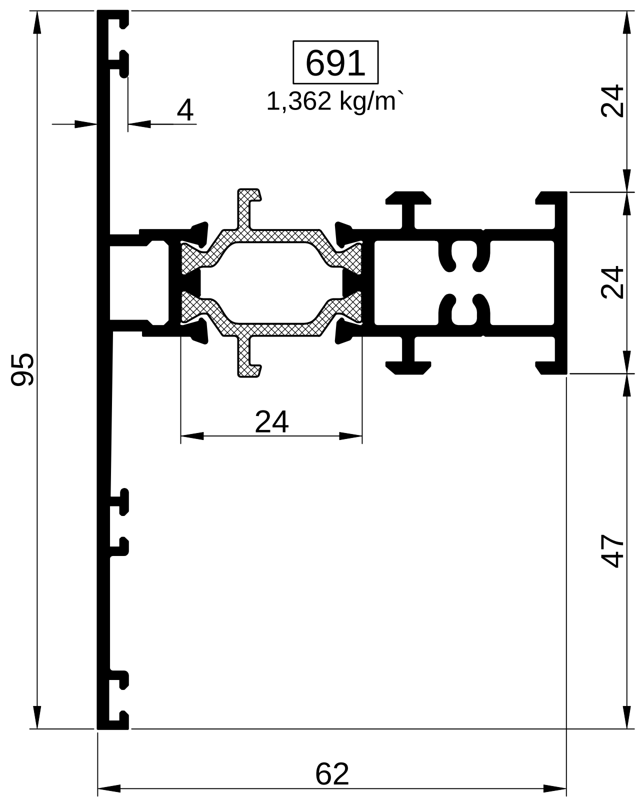
	Oznaka Mark Марк	Opis Description Описание	cm4 Ix			a	b
	kg/m`		Iy			a	b
	689	Štok Frame Рама	25,97	943	906	920	-
	1,289		8,76	944	928	920	-
	TMT115	Ugaoni profil Angle connector Угловой профиль	22,6	-	-	-	-
	1,619		29,4	-	-	-	-
	TMT136	Ugaoni profil -90° Angle connector -90° Угловой профиль - 90º	25,7	-	-	-	-
	1,623		30,7	-	-	-	-
	128	Dodatni profil Additional profile Дополнительный профиль	-	-	-	-	-
	0,346		-	-	-	-	-
	126	Profil za spoj Profile for the connection Профиль для связи	-	-	-	-	-
	0,193		-	-	-	-	-
	110	Opšivni profil Casing profile Обшивка	-	-	-	-	-
	0,133		-	-	-	-	-
	TM33	Pogonska letva Mechanism rod Стержень для механизма	-	-	-	-	-
	0,152		-	-	-	-	-
	124	Držač stakla - 4,5mm Glazing bead - 4,5mm Подстаканник - 4,5мм	-	-	-	-	-
	0,200		-	-	-	-	-
	123	Držač stakla - 8,5mm Glazing bead - 8,5mm Подстаканник - 8,5мм	-	-	-	-	-
	0,211		-	-	-	-	-

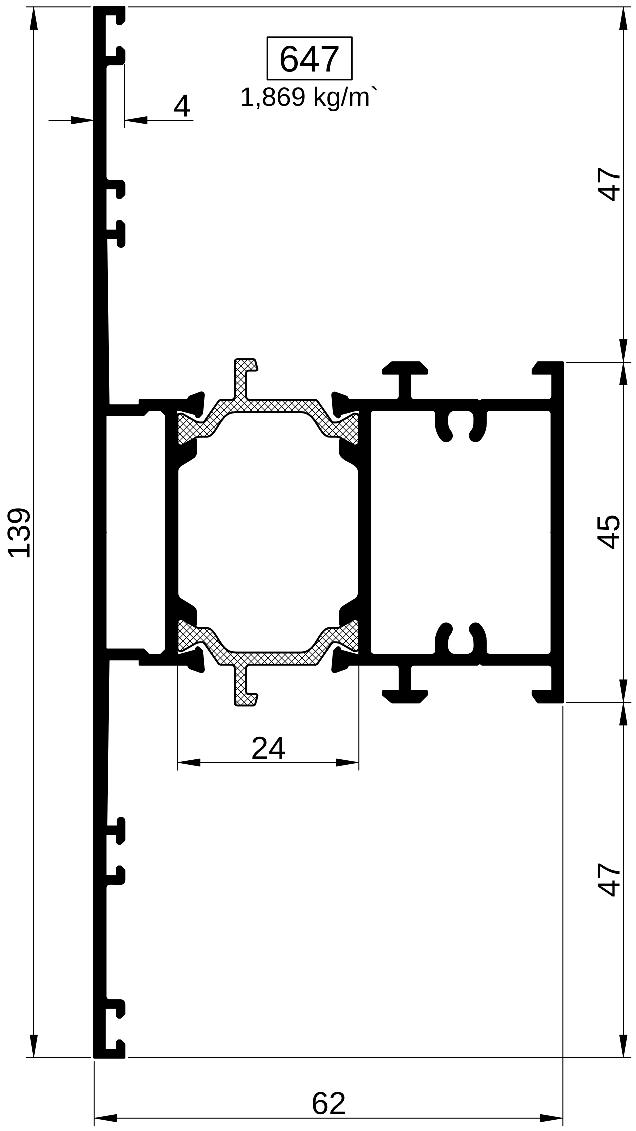
	Oznaka Mark Марк kg/m'	Opis Description Описание	cm^4 x y Ix Iy			a a	b b
	122 0,296	Držač stakla - 12,5mm Glazing bead - 12,5mm Подстаканник - 12,5мм	- -	- -	- -	- -	- -
	106 0,302	Držač stakla -16,5mm Glazing bead -16,5mm Подстаканник -16,5мм	- -	- -	- -	- -	- -
	116 0,320	Držač stakla -20,5mm Glazing bead -20,5mm Подстаканник -20,5мм	- -	- -	- -	- -	- -
	100 0,330	Držač stakla -24,5mm Glazing bead -24,5mm Подстаканник -24,5мм	- -	- -	- -	- -	- -
	117 0,348	Držač stakla -28,5mm Glazing bead -28,5mm Подстаканник -28,5мм	- -	- -	- -	- -	- -
	101 0,359	Držač stakla -32,5mm Glazing bead -32,5mm Подстаканник -32,5мм					
	108 0,393	Držač stakla -38,5mm Glazing bead -38,5mm Подстаканник -38,5мм					
	107 0,447	Držač stakla -46,5mm Glazing bead -46,5mm Подстаканник -46,5мм					

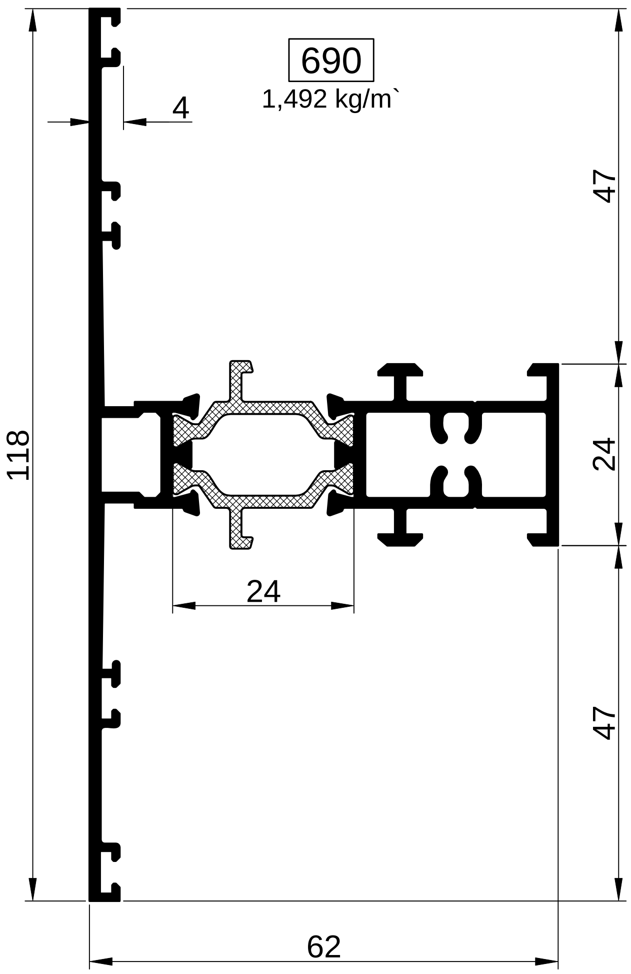

643
1,517 kg/m`
4
47
24
88
41
62

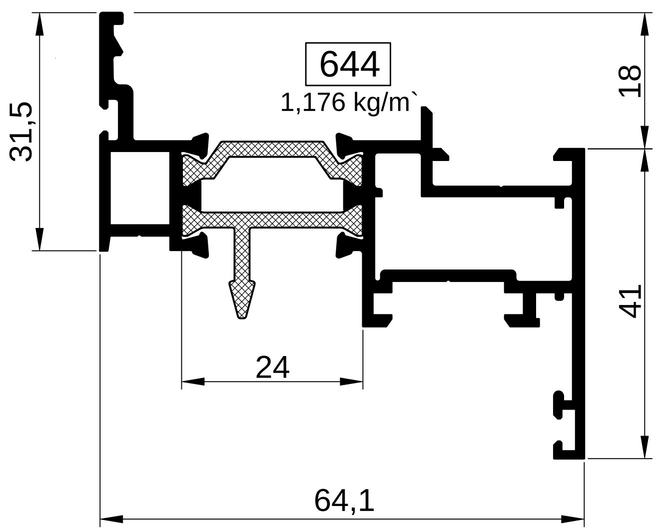

689
1,289 kg/m`
4
47
73
24
26
62

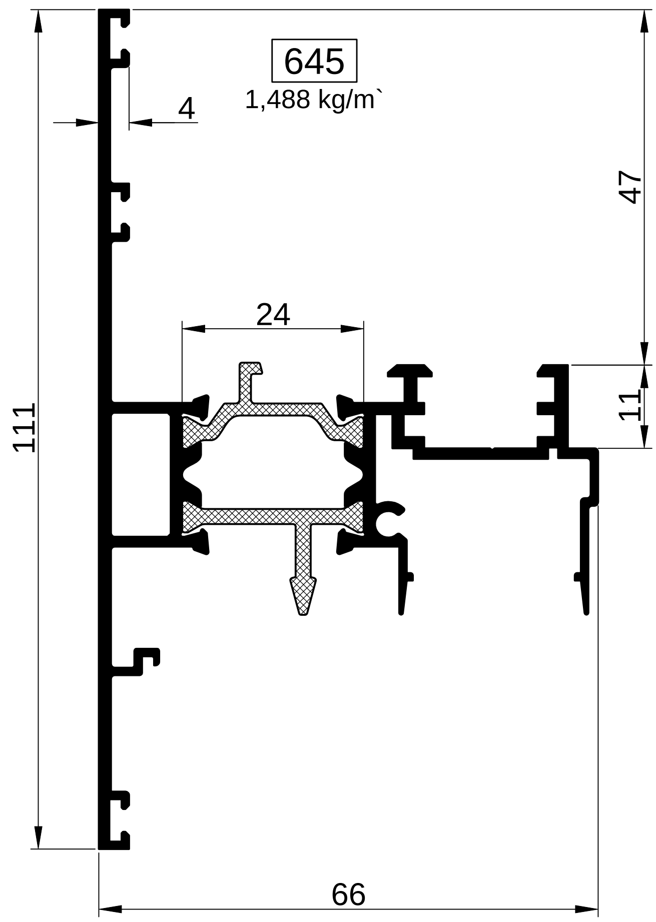

646
1,738 kg/m`
4
24
45
116
24
47
62

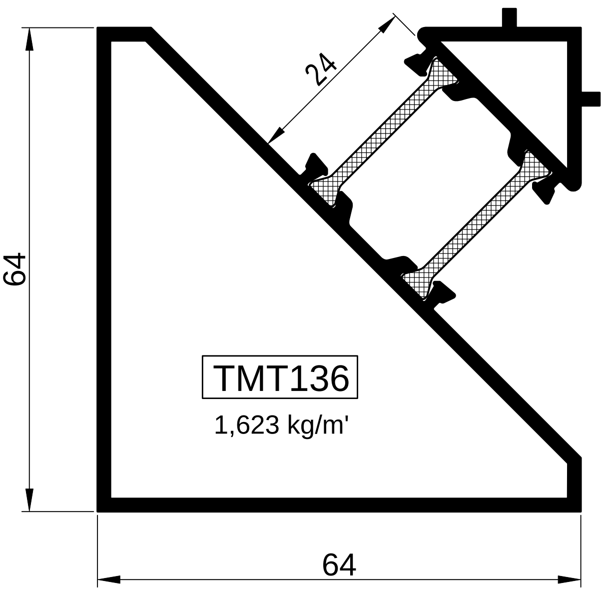

691
1,362 kg/m`
4
24
24
95
24
47
62

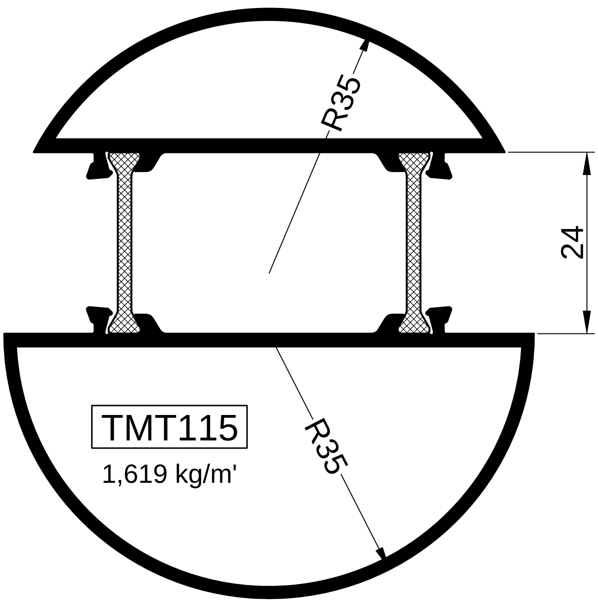

647
1,869 kg/m`
4
47
45
47
139
24
62

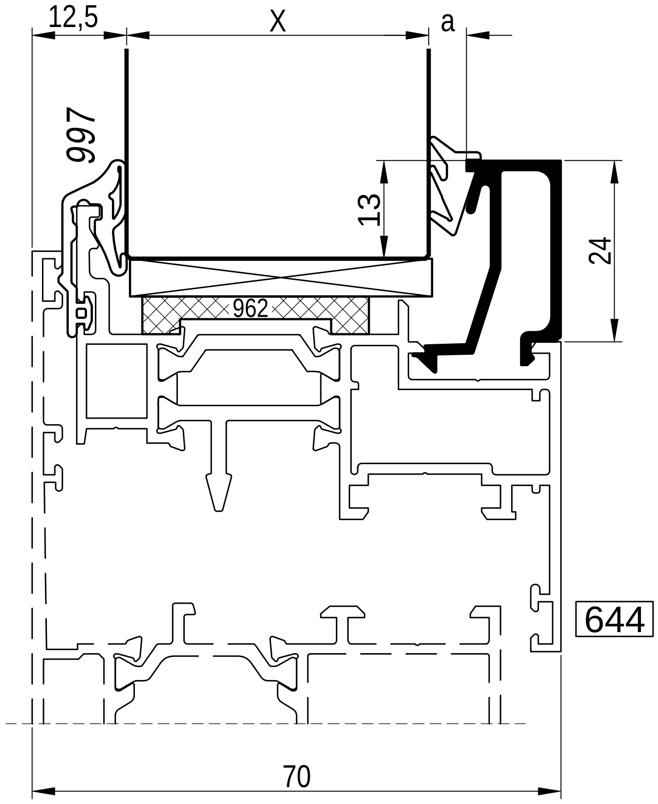

690
1,492 kg/m`
4
47
24
47
118
24
62

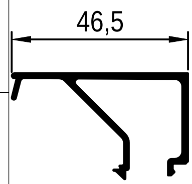
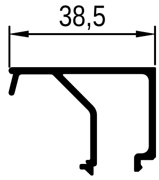
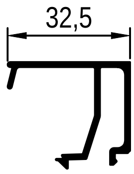
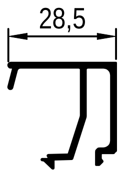
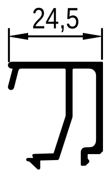
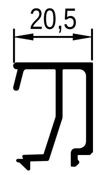
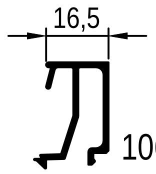
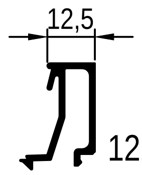
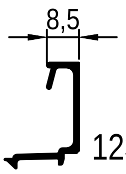
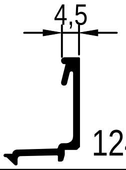

644
1,176 kg/m`
31,5
18
41
24
64,1

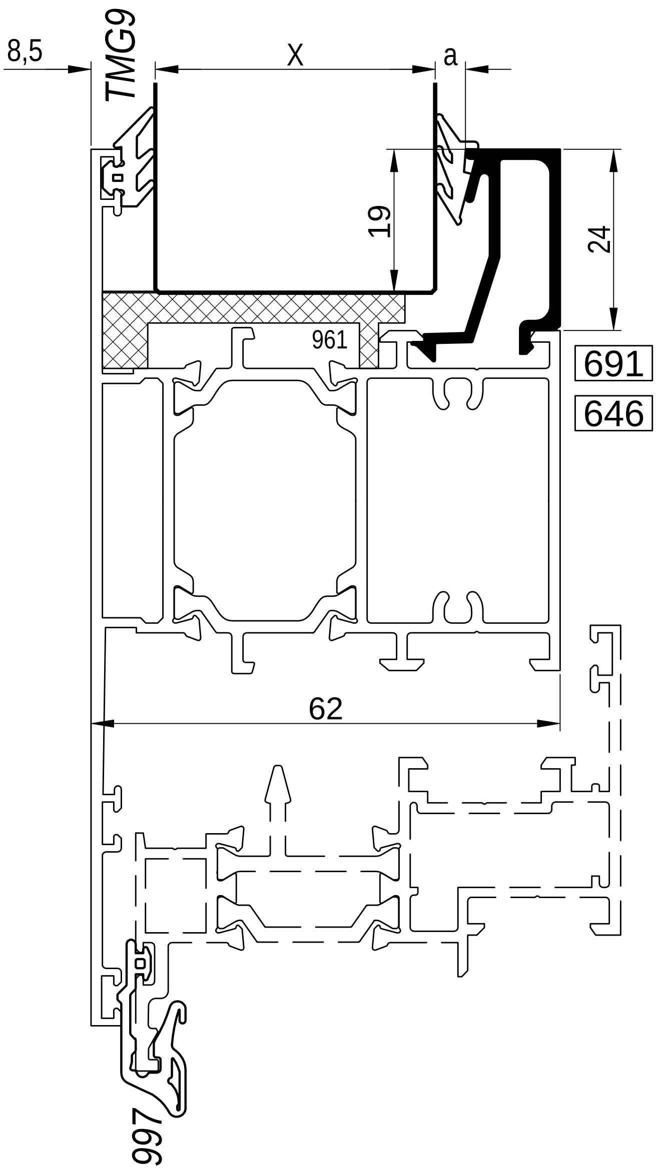

645
1,488 kg/m`
4
47
24
11
111
66

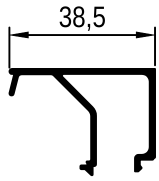
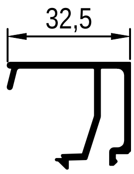
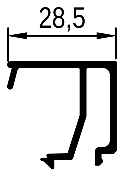
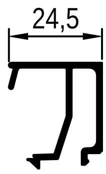
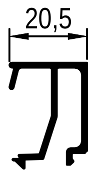
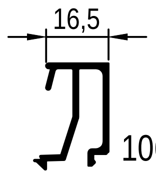
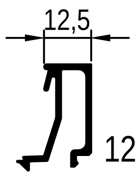
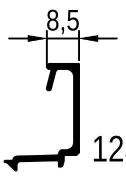
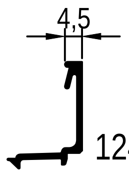

24
64
TMT136
1,623 kg/m'
64

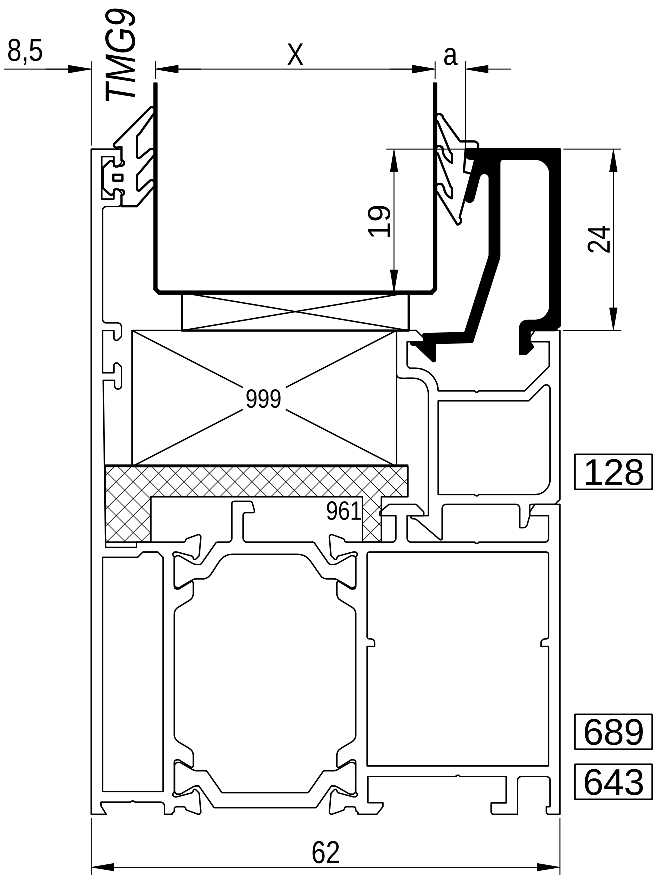

R35
24
TMT115
1,619 kg/m'
R35



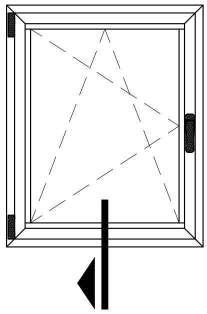
Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
5 - 6	TMG3	6 - 5	 107
7 - 8	TMG2	4 - 3	
13 - 14	TMG3	6 - 5	 108
15 - 16	TMG2	4 - 3	
19 - 20	TMG3	6 - 5	 101
21 - 22	TMG2	4 - 3	
23 - 24	TMG3	6 - 5	 117
25 - 26	TMG2	4 - 3	
27 - 28	TMG3	6 - 5	 100
29 - 30	TMG2	4 - 3	
31 - 32	TMG3	6 - 5	 116
33 - 34	TMG2	4 - 3	
35 - 36	TMG3	6 - 5	 106
37 - 38	TMG2	4 - 3	
39 - 40	TMG3	6 - 5	 122
41 - 42	TMG2	4 - 3	
43 - 44	TMG3	6 - 5	 123
45 - 46	TMG2	4 - 3	
47 - 48	TMG3	6 - 5	 124
49 - 50	TMG2	4 - 3	

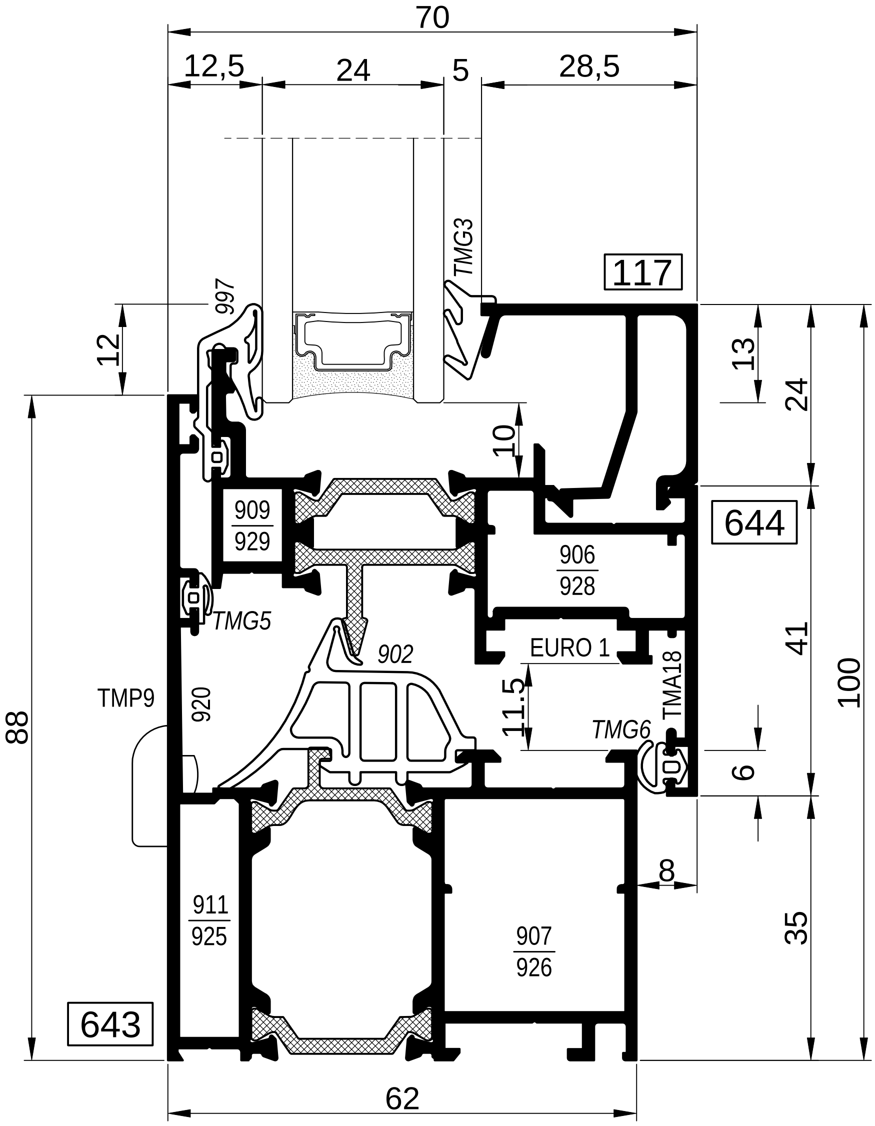


Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
9 - 10	TMG3	6 - 5	 108
11 - 12	TMG2	4 - 3	
15 - 16	TMG3	6 - 5	 101
17 - 18	TMG2	4 - 3	
19 - 20	TMG3	6 - 5	 117
21 - 22	TMG2	4 - 3	
23 - 24	TMG3	6 - 5	 100
25 - 26	TMG2	4 - 3	
27 - 28	TMG3	6 - 5	 116
29 - 30	TMG2	4 - 3	
31 - 32	TMG3	6 - 5	 106
33 - 34	TMG2	4 - 3	
35 - 36	TMG3	6 - 5	 122
37 - 38	TMG2	4 - 3	
39 - 40	TMG3	6 - 5	 123
41 - 42	TMG2	4 - 3	
43 - 44	TMG3	6 - 5	 124
45 - 46	TMG2	4 - 3	



Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
9 - 10	TMG3	6 - 5	38,5 — 108
11 - 12	TMG2	4 - 3	
15 - 16	TMG3	6 - 5	32,5 — 101
17 - 18	TMG2	4 - 3	
19 - 20	TMG3	6 - 5	28,5 — 117
21 - 22	TMG2	4 - 3	
23 - 24	TMG3	6 - 5	24,5 — 100
25 - 26	TMG2	4 - 3	
27 - 28	TMG3	6 - 5	20,5 — 116
29 - 30	TMG2	4 - 3	
31 - 32	TMG3	6 - 5	16,5 — 106
33 - 34	TMG2	4 - 3	
35 - 36	TMG3	6 - 5	12,5 — 122
37 - 38	TMG2	4 - 3	
39 - 40	TMG3	6 - 5	8,5 — 123
41 - 42	TMG2	4 - 3	
43 - 44	TMG3	6 - 5	4,5 — 124
45 - 46	TMG2	4 - 3	




70
12,5
24
5
28,5
TMG3
997
117
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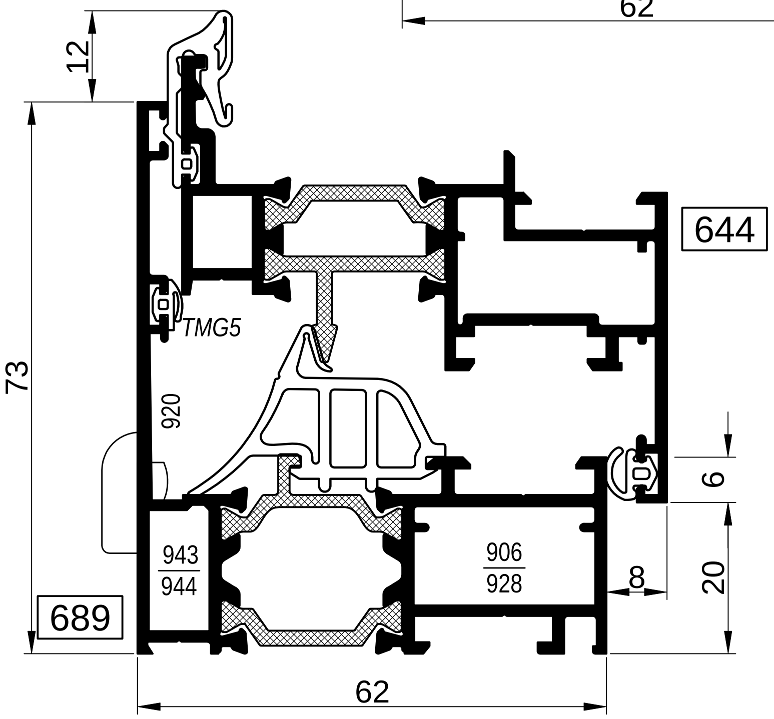
909
929
644
906
928
TMG5
902
EURO 1
41
100
TMP9
920
88
11.5
TMA18
TMG6
6
8
911
925
907
926
35
643
62


12
644
TMG5
73
920
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944
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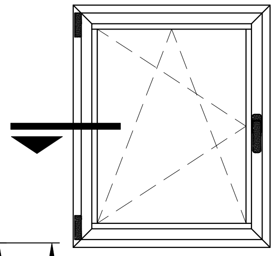
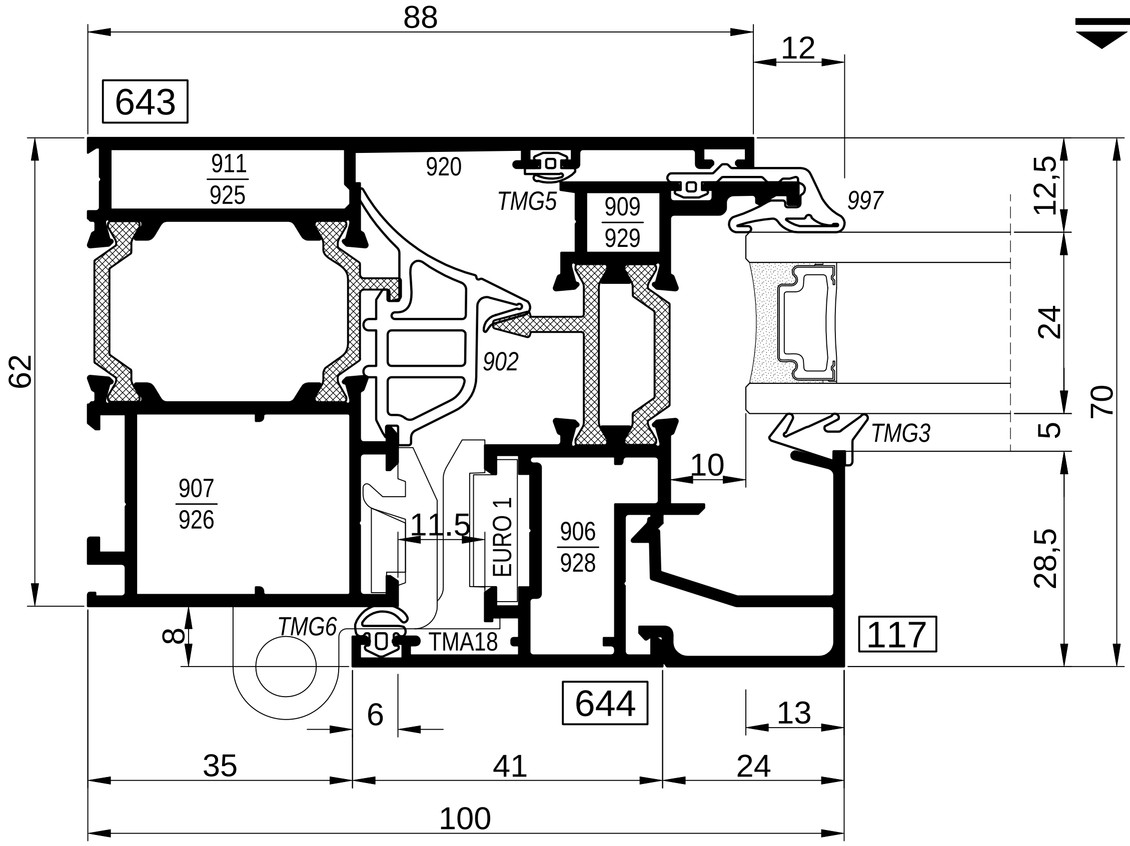
689
62




88
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TMG5
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TMG3
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TMG6
TMA18
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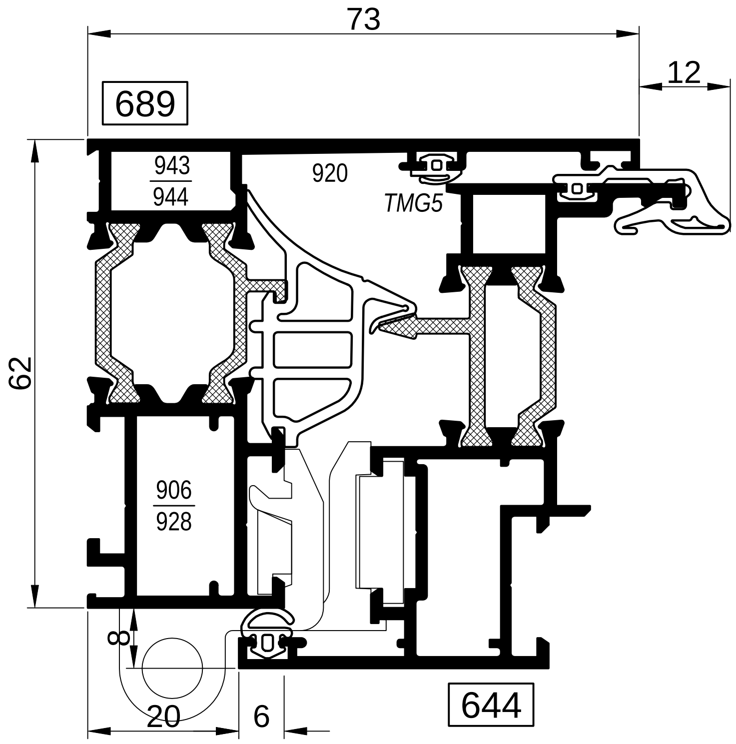
100


73
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TMG5
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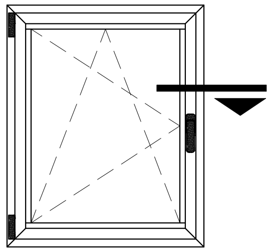

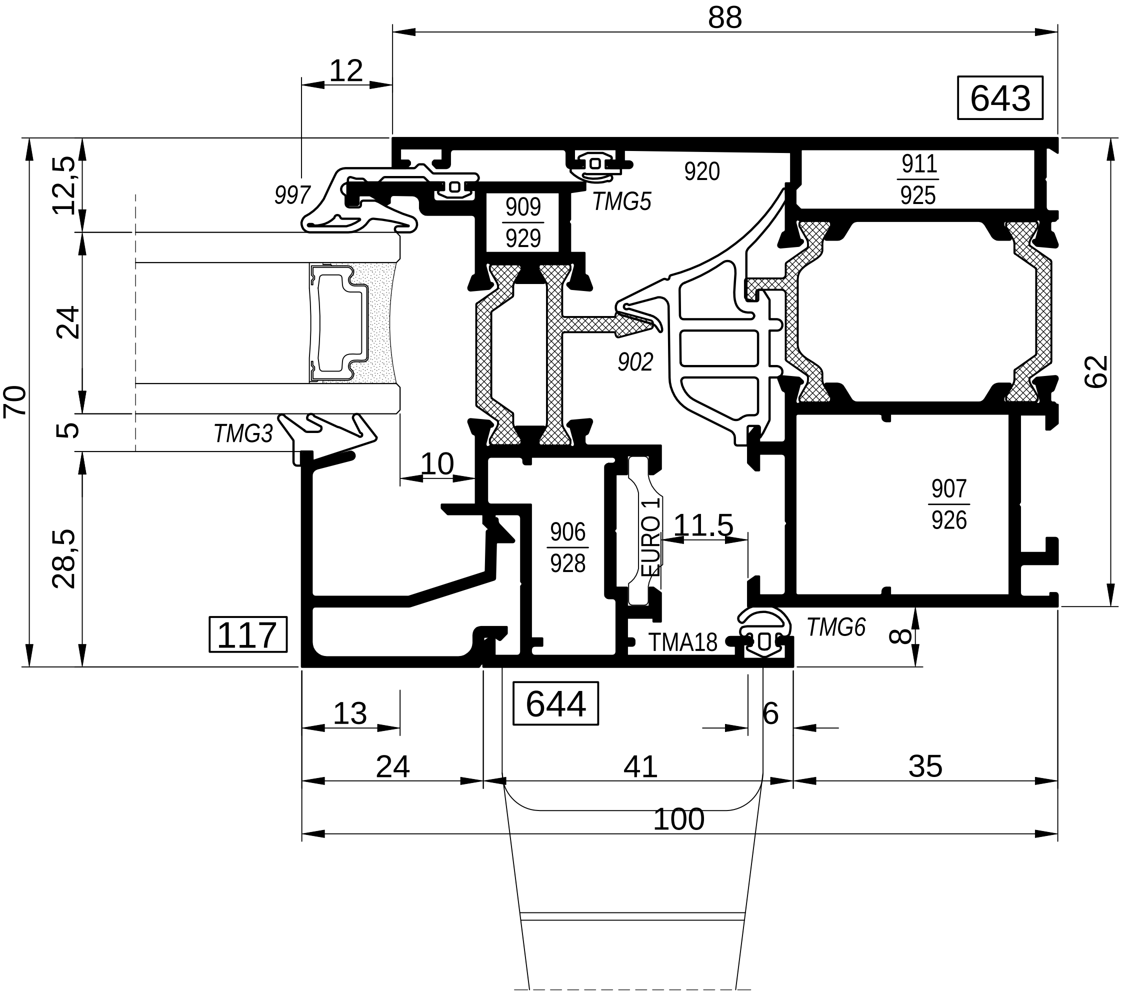
88
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12,5
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TMG3
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EURO 1
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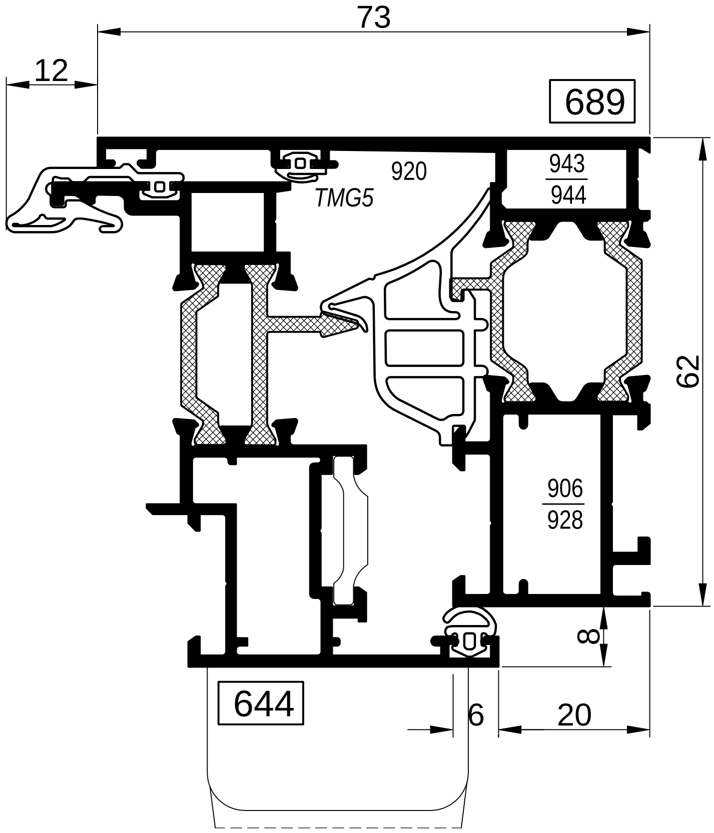
73
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TMG5
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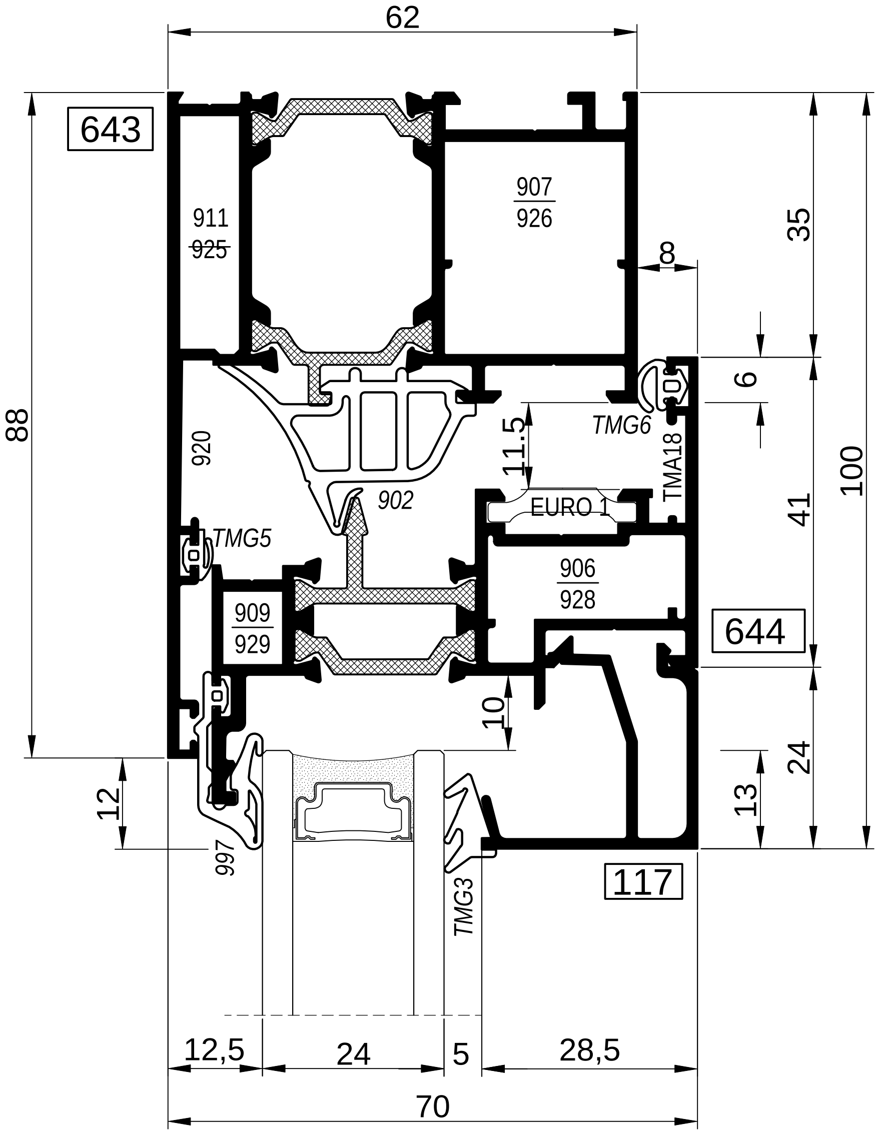
62
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TMG5
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997
TMG3
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12,5
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28,5
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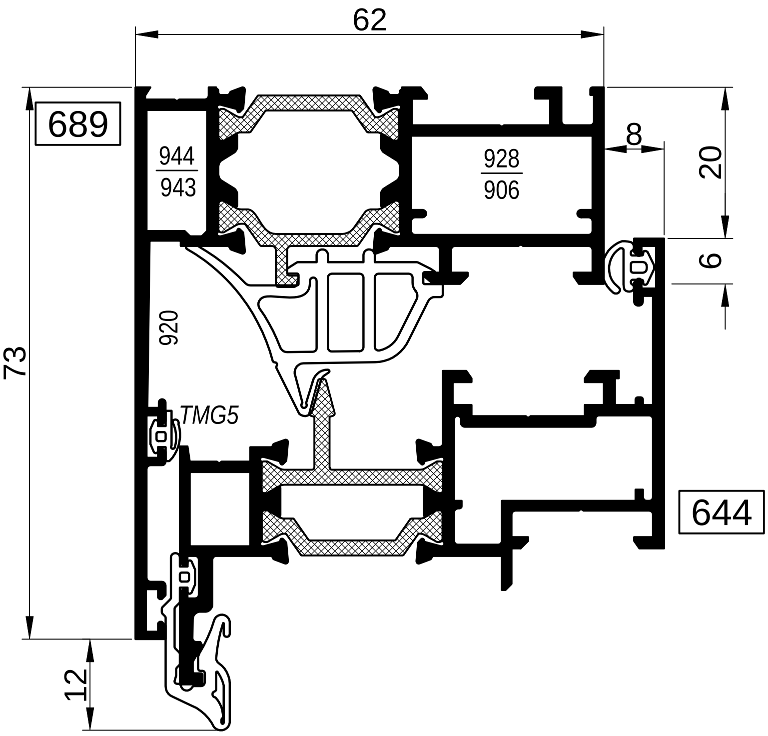
62
689
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TMG5
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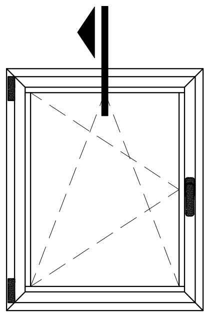

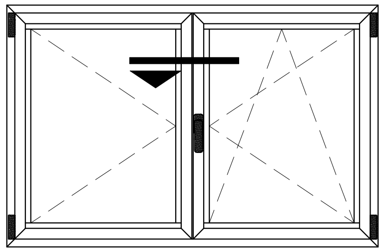

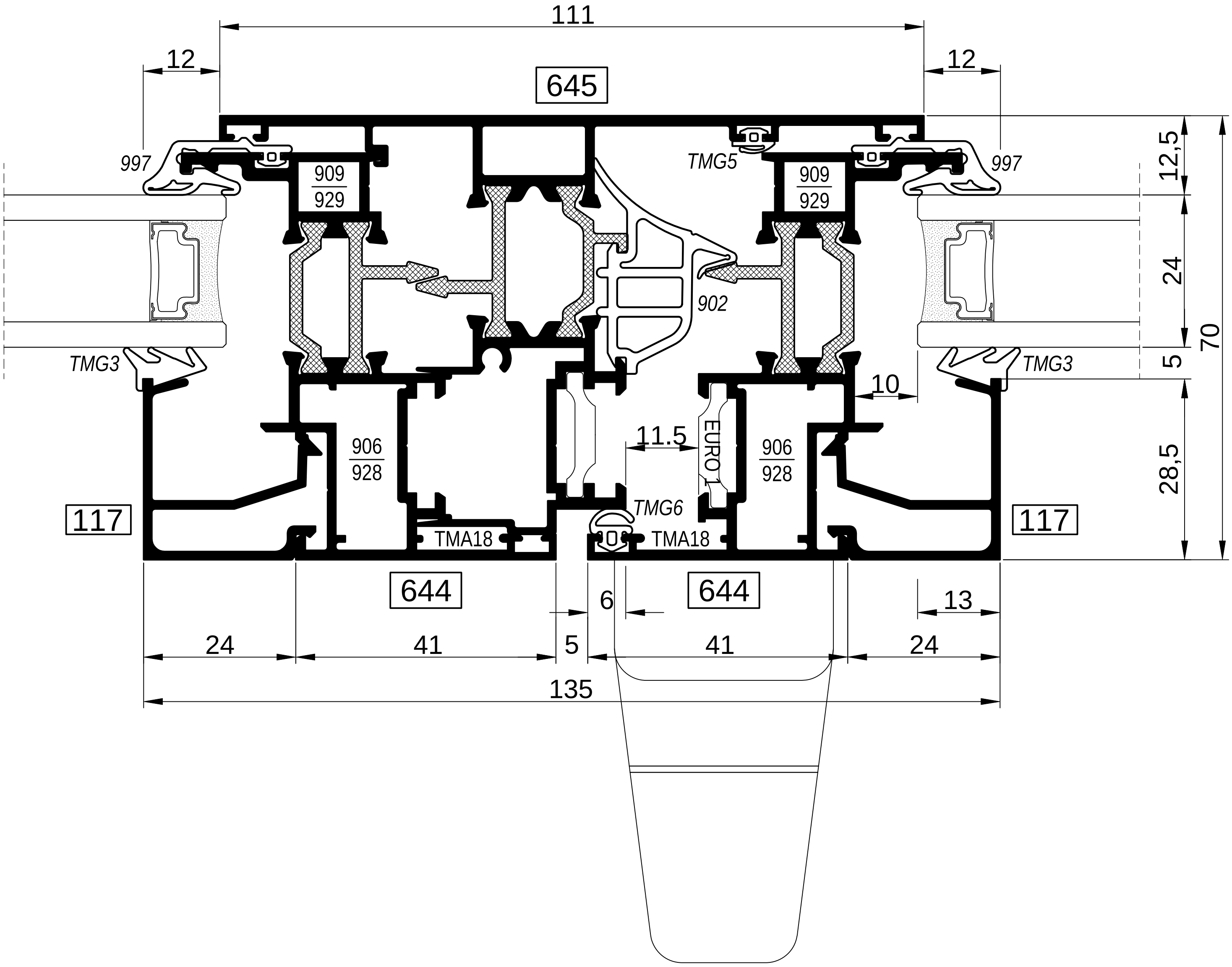
111
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TMG5
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TMG3
TMG3
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11.5
EURO 1
TMG6
117
117
TMA18
TMA18
644
644
6
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41
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24
135
12,5
24
5
28,5
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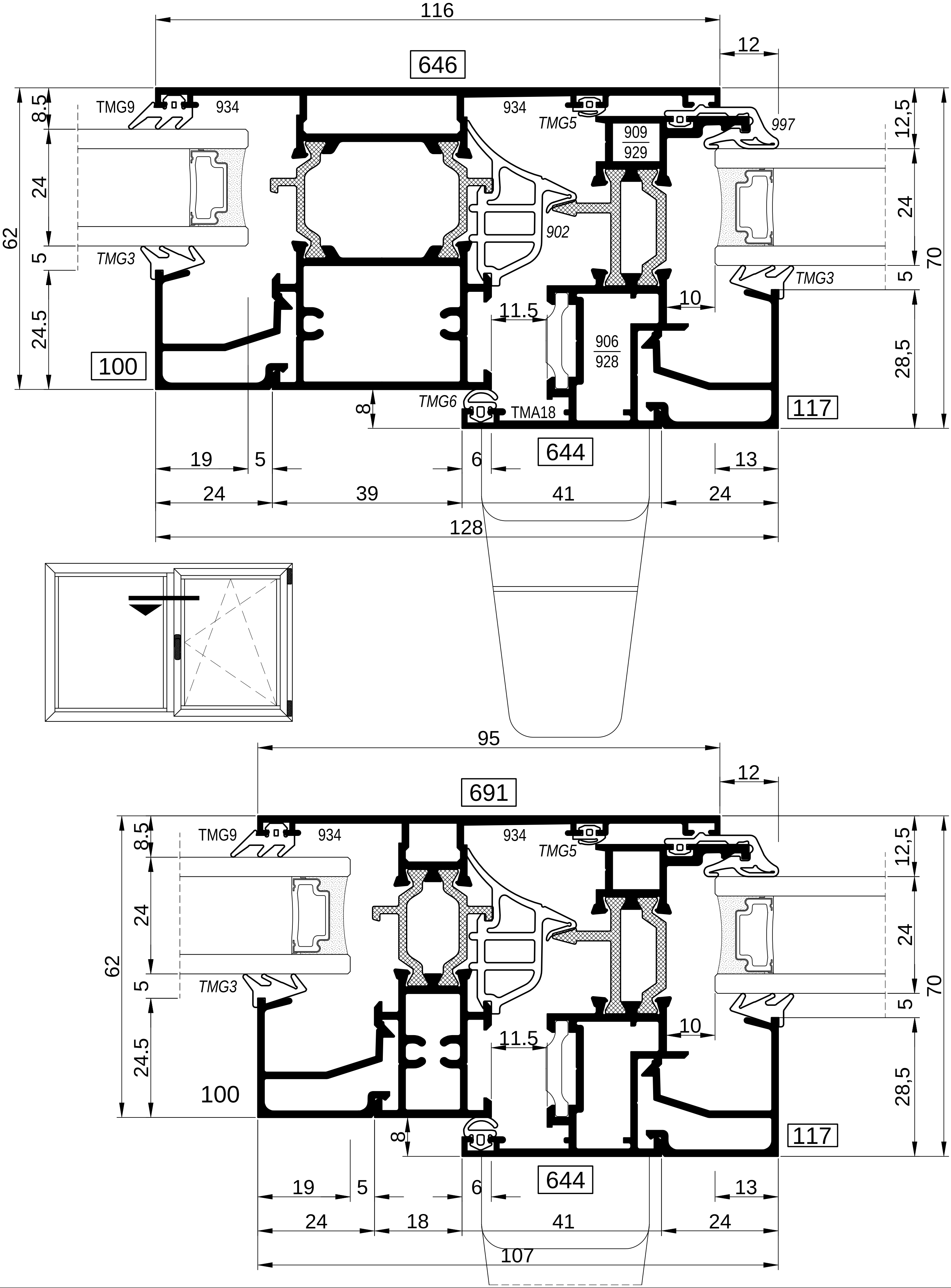
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TMG5
997
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929
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TMG3
TMG3
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906
928
100
117
TMG6
TMA18
644
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39
41
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128
8.5
24
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24.5
12,5
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TMG9
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934
TMG5
TMG3
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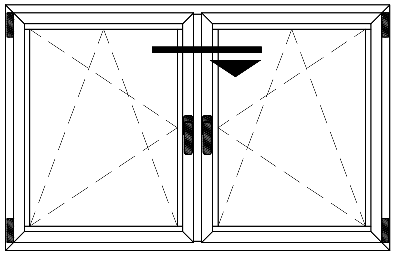

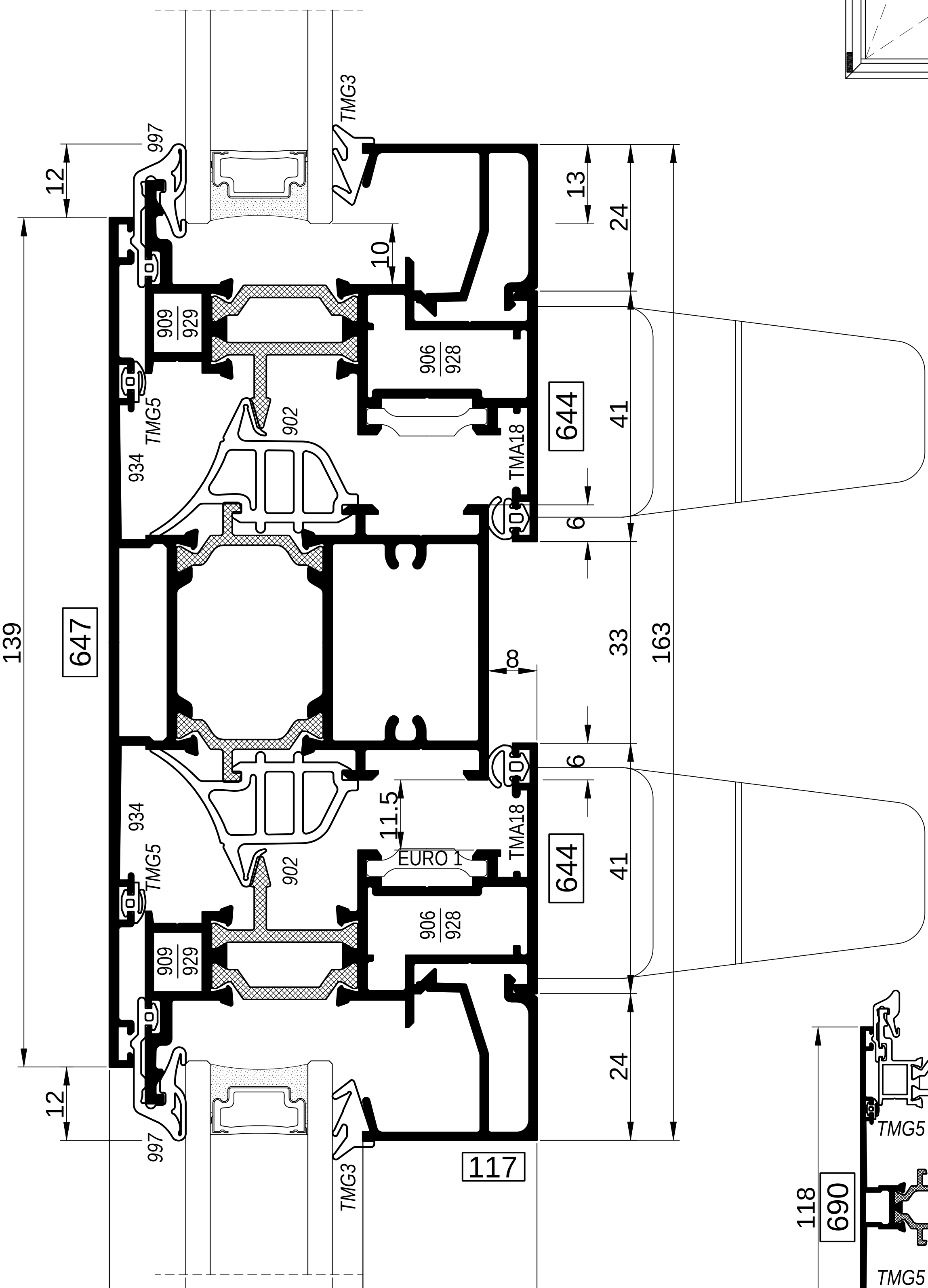
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11.5
EURO 1
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12,5
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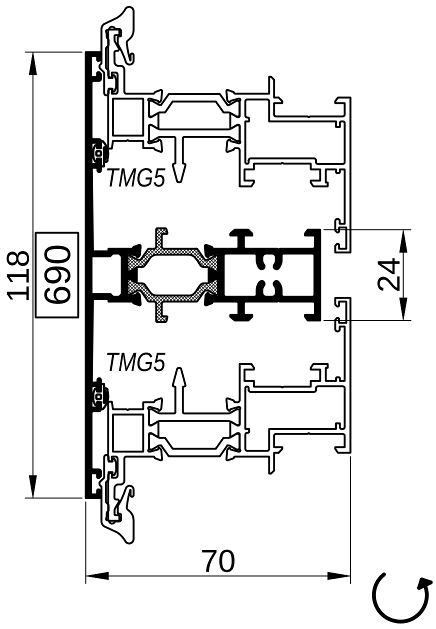
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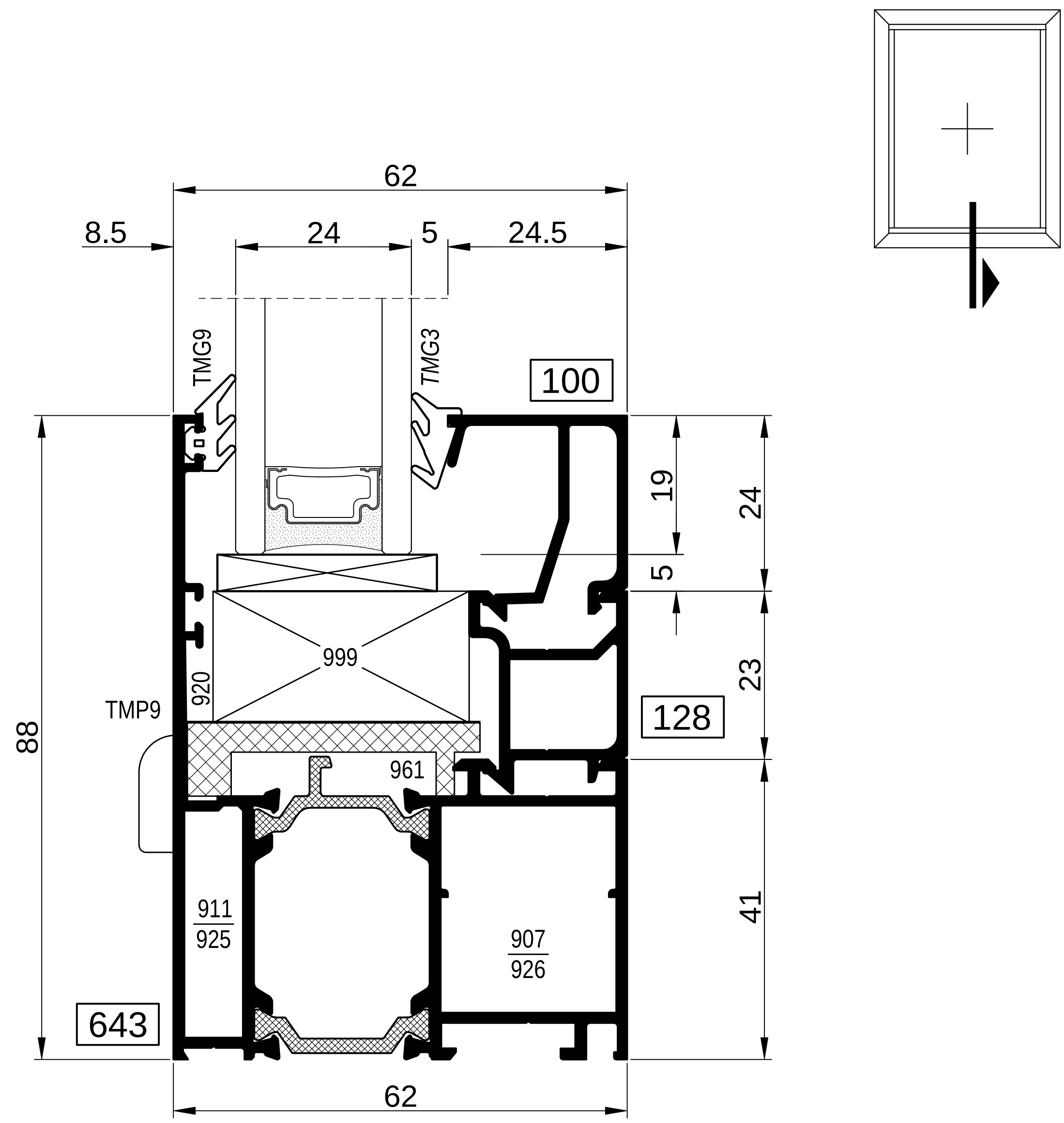
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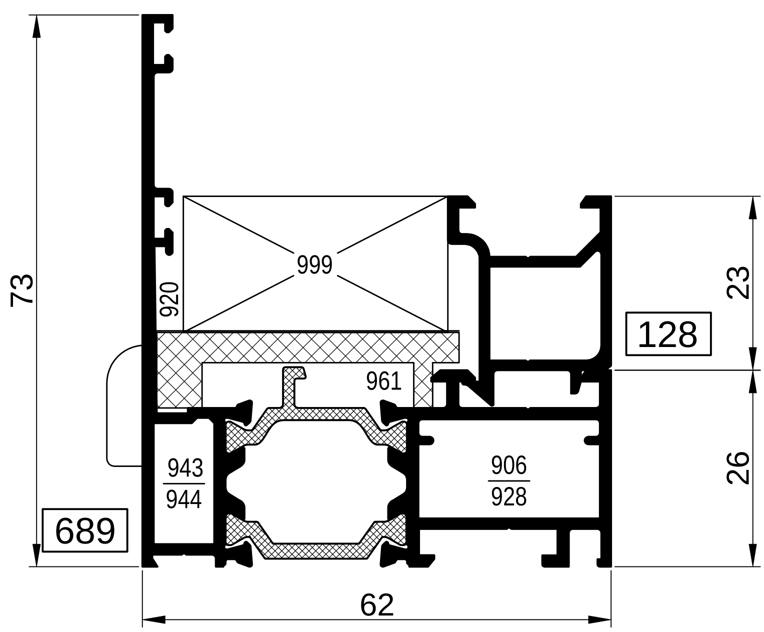
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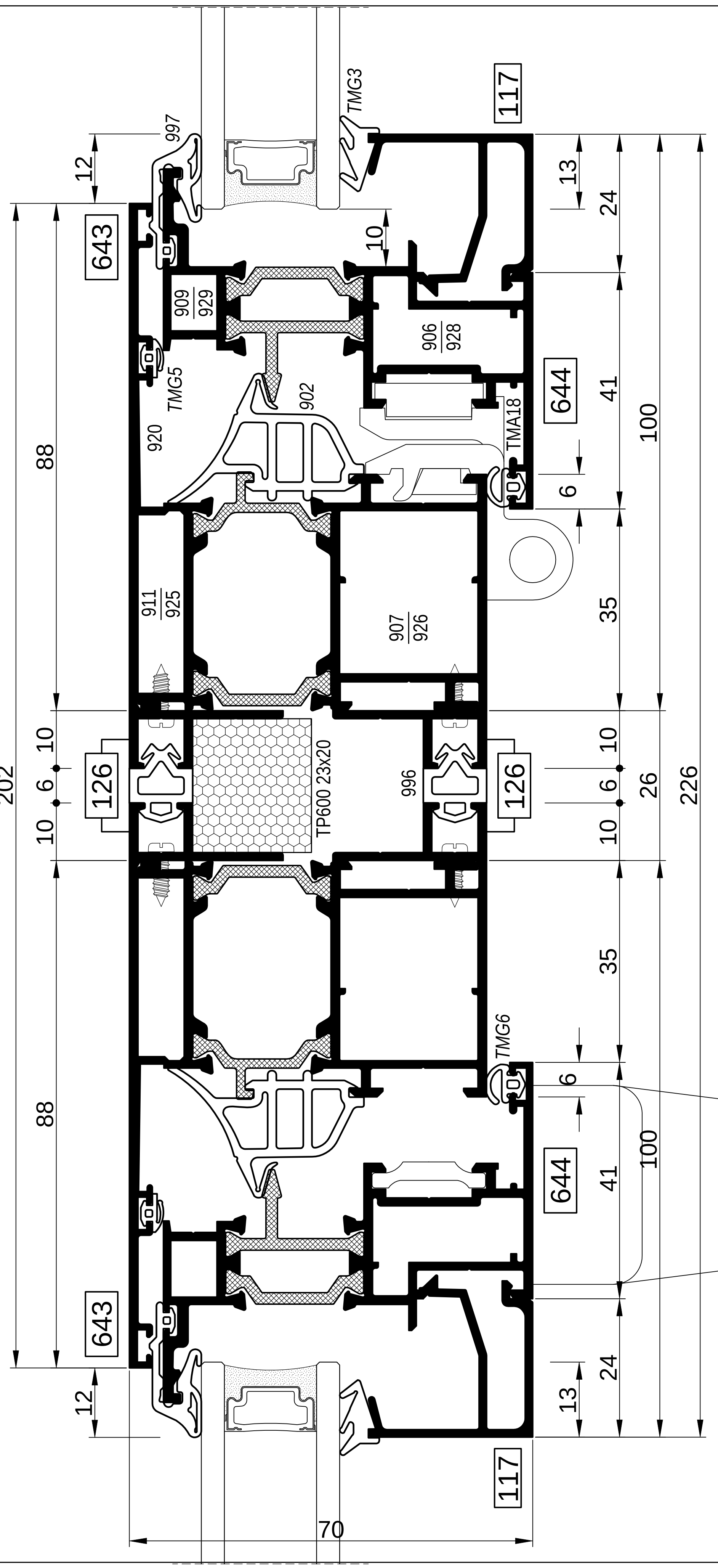
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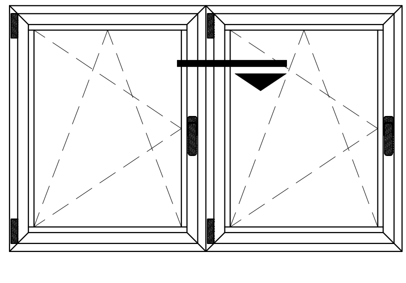

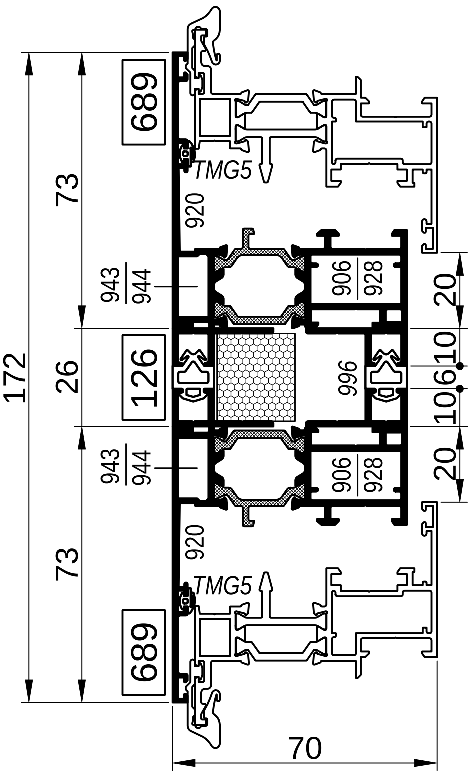
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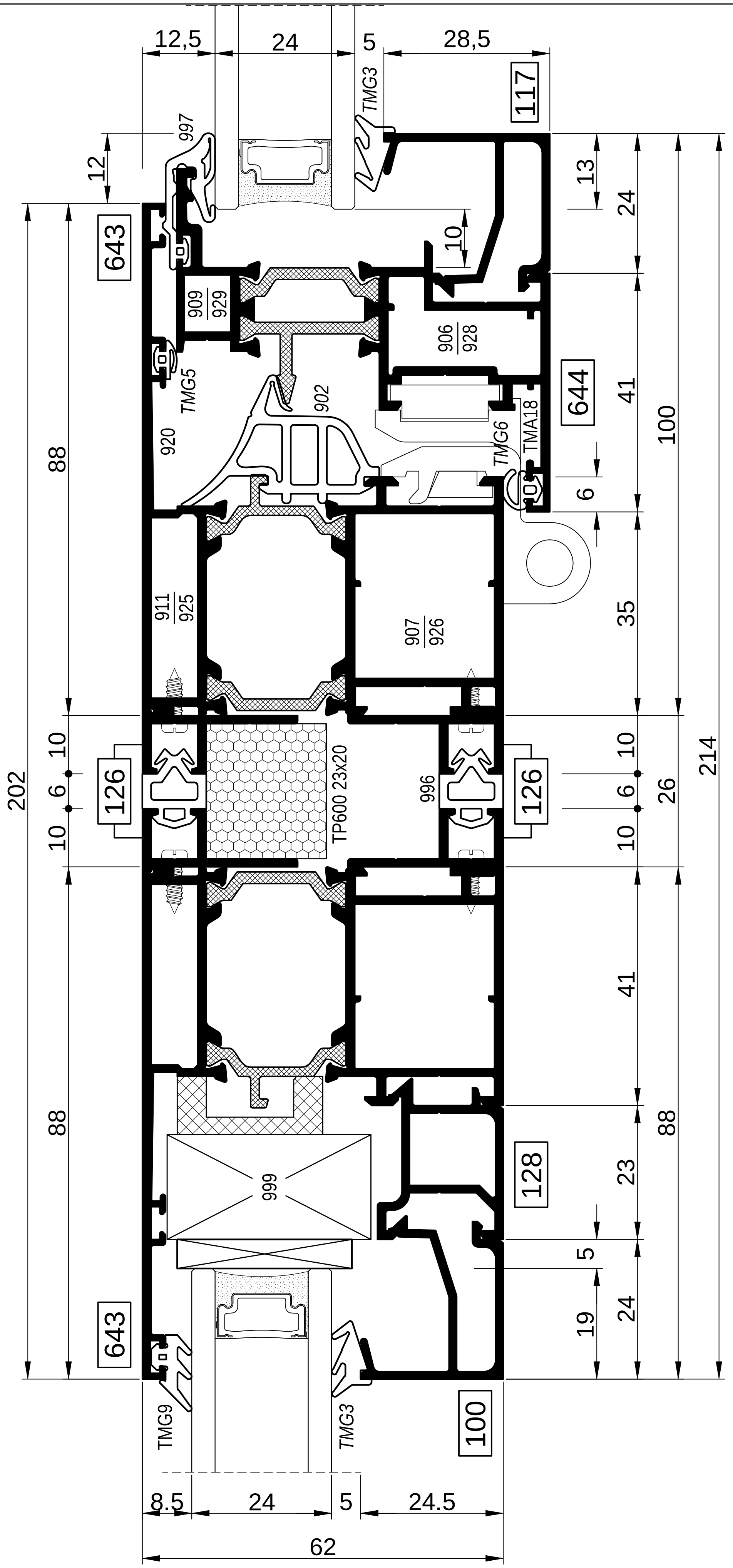
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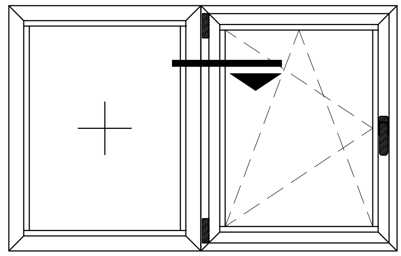

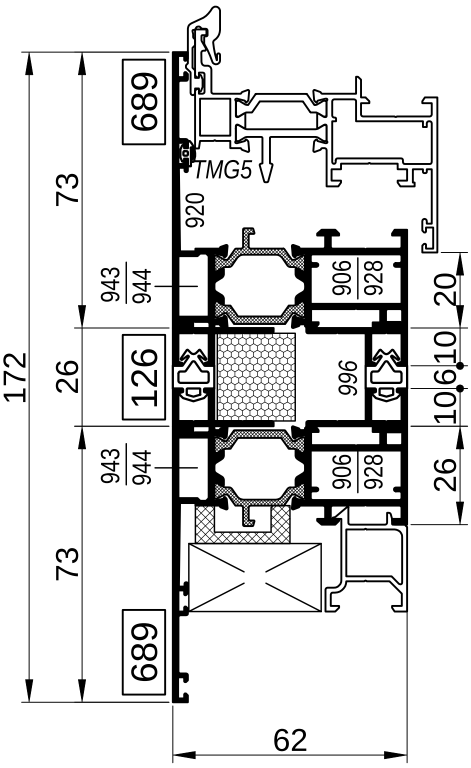
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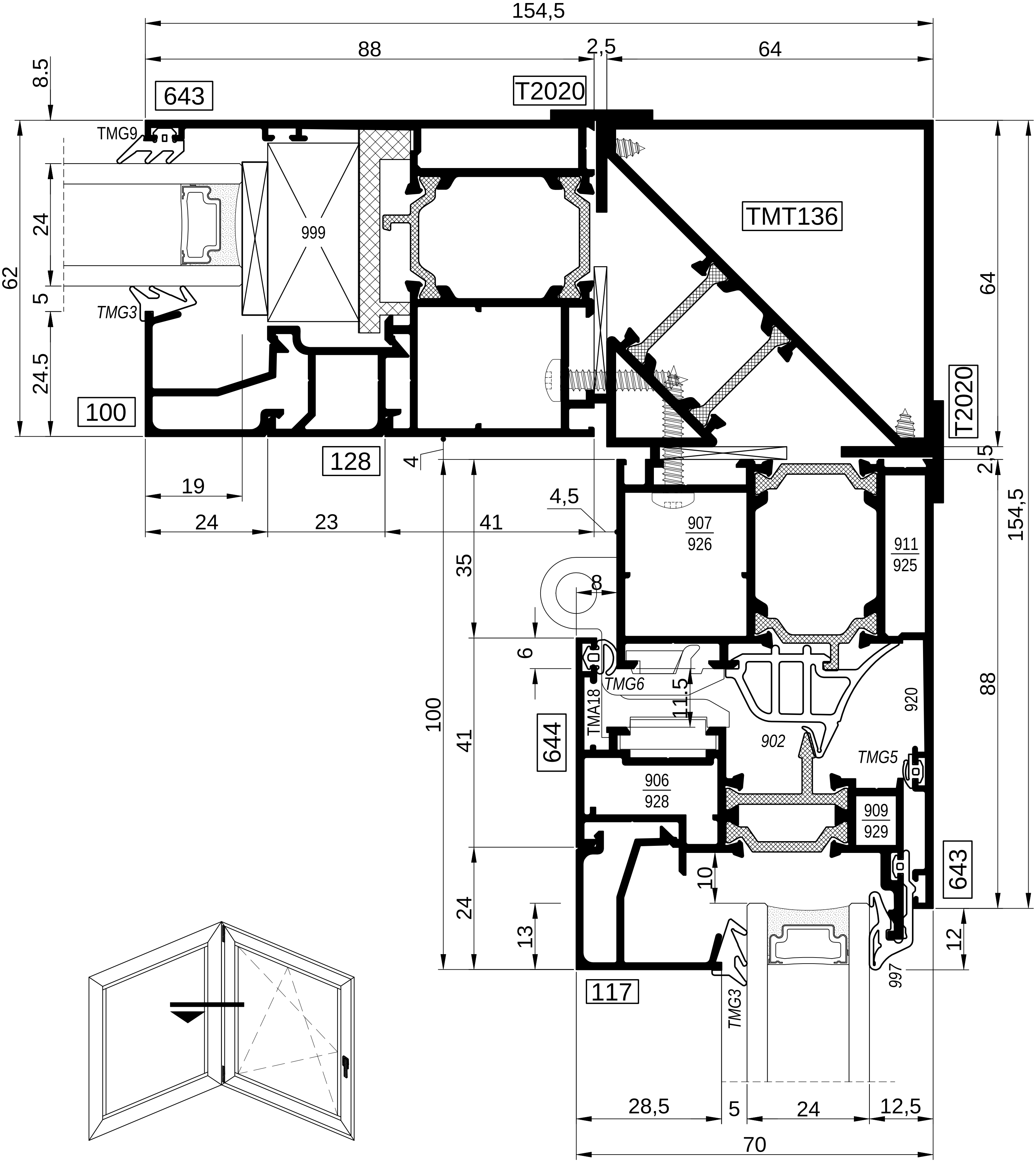
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T2020
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154,5
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TMG6
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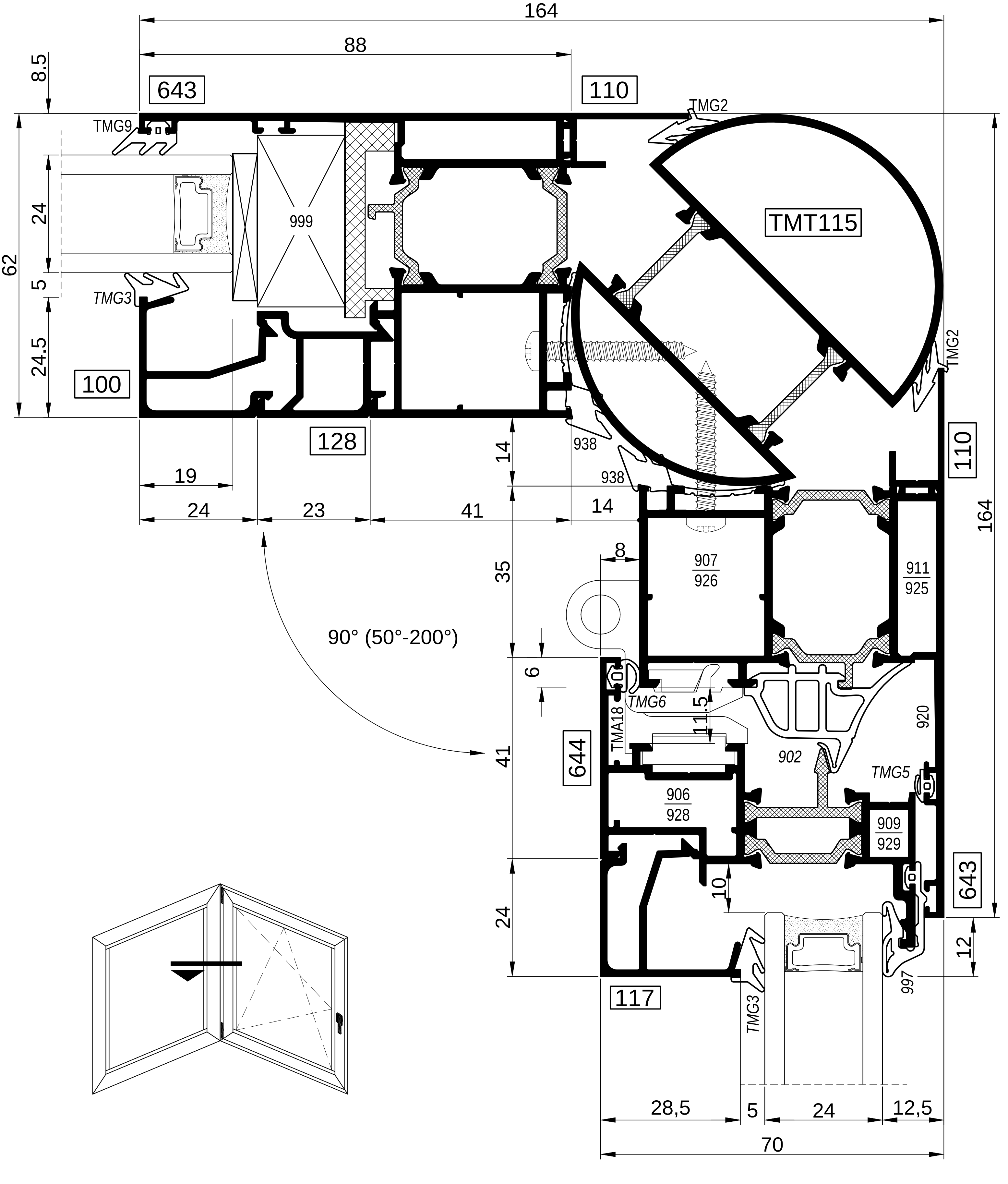
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128
938
938
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23
41
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164
8
907
926
911
925
35
90° (50°-200°)
6
TMG6
11.5
TMA18
644
920
41
902
TMG5
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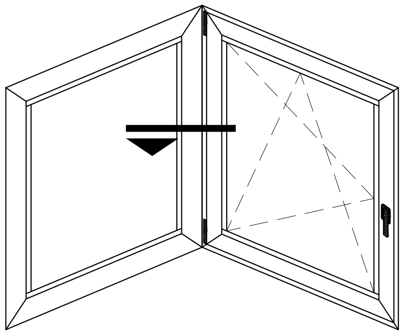

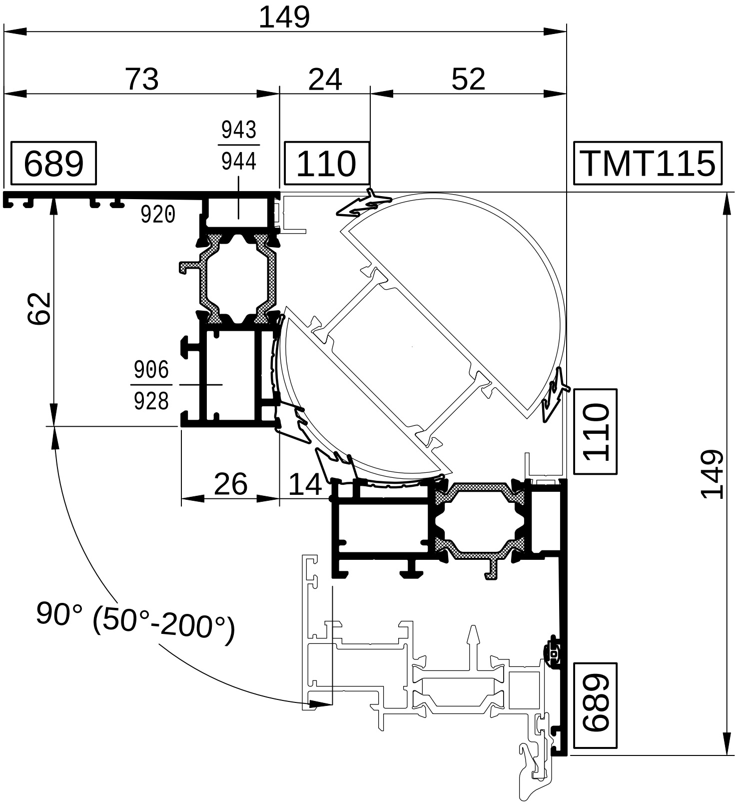
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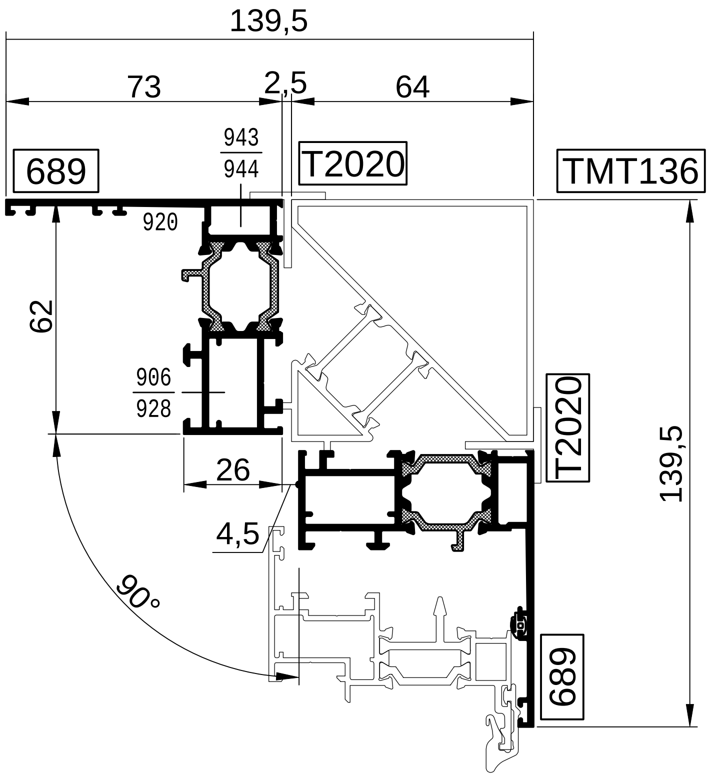
90° (50°-200°)
689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4,5
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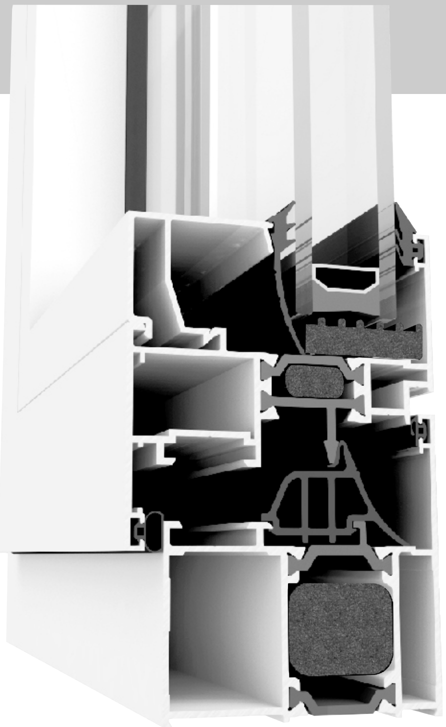
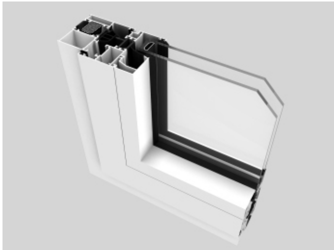
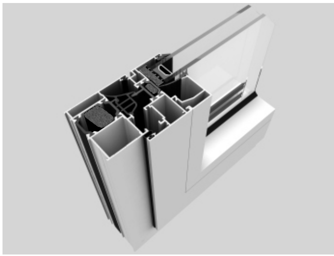
689

Sistem
System
Система

THERM 62







Tehnički opis sistema

Sistem LINEAL THERM 62 je jedan od osam iz serije LINEAL i predstavlja sistem aluminijumskih profila sa termičkim prekidom, specijalno projektovanih za izradu elemenata prozora i vrata sa ugradnom dubinom štoka od 62mm i poboljšanim termičkim performansama. Sistem je dizajniran tako da zadovoljava savremene zahteve na polju energetske efikasnosti, kao i ostale uslove nepohodne za bezbedan i udoban radni i životni prostor. Prilikom projektovanja elemenata sistema posebna pažnja je posvećena odabiru materijala koji vrše funkciju termičkog prekida u sklopu sistemskih profila. Na ovaj način su postignute maksimalne termoizolacione karakteristike $U_f \geqslant 2{,}2 W/m^2K$, odnosno $U_w \geqslant 1{,}0 W/m^2K$ (IFT Rosenheim)

- Aluminijumski profili su proizvedeni postupkom ekstruzije u pogonima Tehnomarket-a. Sirovina za proizvodnju profila je primarna legura aluminijuma sa oznakom AlMgSi0,5 (AA6063 i 6060) i zateznom čvrstoćom profila od minimalno 210 KN/mm².
- Poliamidne trake (PA 6,6 sa 25% staklenih vlakana) širine 24mm međusobno spajaju spoljašnje i unutrašnje aluminijumske delove u gotove profile, a pored funkcije mehaničkog spajanja, obezbeđuju i termički prekid. Garantovana sila smicanja spoljnog i unutrašnjeg aluminijumskog profila, povezanih poliamidnim trakama, se kontroliše u toku proizvodnje.
- Pojačana termička svojstva postignuta su dodatno putem sunđerastih ispuna u slobodnim komorama u zoni poliamida, kao i primenom posebne sunđeraste trake po obimu stakla.
- Izolaciona svojstva sistema potvrđena su kroz rezultate ispitivanja toplotnih performansi. Takođe, ispitivanja su urađena i za otpornost na udare vetra, propuštanje vazduha i vode, kao i za zvučnu izolaciju.
- Sistem omogućava ugradnju standardnog okova u EURO 1 žljeb i okova za PVC u EURO 16mm žljeb.
- Sistem podržava ispune uključujući i staklo pakete od 8 do 53mm sa EPDM zaptivkama koje poseduju integrisanu barijeru protiv produvavanja.
- Zaptivanje u zoni spoja štoka i krila je trostruko, preko tri trajno elastične EPDM zaptivke otporne na UV zračenje.
- Spajanje uglova pomoću ekstrudiranih patent spojnica ili spojnica za presovanje obezbeđeno je zatezanjem u svim komorama profila, što obezbeđuje siguran ugaoni spoj i preciznu geometriju gotovih elemenata.
- Kanalisanje kondenza i incidentne vode je regulisano preko slobodnih ravnih površina u komorama, dok je ventilisana spoljna komora duboka 20mm.
- Osnovna spoljašnja dimenzija štoka od 65mm omogućava idealan prihvat vođica roletne i komarnika. Unutrašnja širina štoka obezbeđuje idealan prostor za sabirnik trake roletne.

LINEAL THERM 62

Technical description

System LINEAL THERM 62 is one of eight from LINEAL series and it represents aluminium profile system with thermal break, specially designed for manufacturing of windows and doors with frame depth of 62mm and improved thermal performance. System is designed to satisfy all contemporary demand for energy efficiency, as well as all other requirements for safe and comfortable living and working environment. Special attention was addressed to selection of materials that for the thermal break within the profile. This way, maximal isolation values of Uf ≥2,20 W/m²K, or Uw ≥ 1,0 W/m²K, were achieved.

• Aluminium profiles were manufactured in Tehnomarket's own extrusion factory. The raw material used is primary aluminium alloy AlMgSi0.5 (AA6063 and AA 6060) with minimum tensile strength of 210KN/mm².

• 24mm wide Polyamide stripes (PA 6,6 with 25% glass fibers) connect inner and outer aluminium parts into finished profiles, and beside functioning as a mechanical bond they also provide a thermal break. Guaranteed shearing force for profiles connected with polyamide stripes is strictly controlled during production.

• Exceptional thermic performance was achieved with foam - filled chambers in polyamide area and special foam tape between glass and sash.

• Insulating performance of the complete system was confirmed through thermal performance testing. At the same time, wind load, air and water permeability and sound insulation were tested as well.

• System is compatible with both EURO 1 and EURO 16mm groove standards for hardware installation.

• System allows glass packages from 8 to 53mm with EPDM gaskets that feature integrated anti-blowing barrier.

• The triple sealing between frame and sash is achieved with three separate EPDM gaskets resistant to UV light.

• Corner joining with extruded patent or press clips is achieved through all profile chambers, thus guaranteeing secure and precise joints and finished element geometry.

• Drainage of condensed and incidental water is regulated via free flat surfaces in profile chambers, while ventilated outer chamber features optimal width of 20mm.

• Basic outer frame width of 65mm allows for an ideal mounting surface for optimal placement of mosquito net and roll-shutter's guides. Internal width of the frame provides an ideal space for tape coiler.

LINEAL THERM 62

Техническое описание системы

Система LINEAL THERM 62 - одна из восьми систем серии LINEAL. Она представляет систему алюминиевых профилей с термическим разрывом, которая специально разработанна для производства элементов окон и дверей с монтажной глубиной косяка от 62 мм. Система разработанна для удовлетворения современных требований в области энергоэффективности, а также и других необходимых условия для безопасного и комфортного рабочего и жилого пространства. При проектировании элементов системы, особое внимание было уделено выбору материалов, которые выполняют функцию теплового разрыва внутри профиля. Таким образом, достигнуты максимальные теплоизоляционные свойства Uf ≥ 2,20W/ м²K, относительно Uw ≥1,0W/ м²K.

• Алюминиевые профили изготовлены способом экструзии в производственных цехах Техномаркета. Сырьем для производства профилей является первичный алюминиевый сплав с обозначением AlMgSi0,5 (AA6063 и 6060) и с минимальной прочностью на разрыв профиля 210KN/ мм².

• Полиамидные полоски (PA 6,6 с 25% стекловолокна) шириной 24 мм, взаимосвязывают внешние и внутренние алюминиевые части в готовых профилях. Кроме функции механического соединения обеспечивают и тепловой разрыв. Гарантированная сила сдвига внешнего и внутреннего алюминиевого профиля, которые связаны полиамидными полосками, контролируется в процессе производства.

• Усиление термических свойств, достигается дополнительно путем губчатых заполнений в свободных камерах в зоне полиамида.

• Изоляционные свойства системы потверждены результатами испытаний тепловых характеристик. Кроме того, были проведены испытания устойчивости на удары ветра, пропуск воздуха и воды, а также и звукоизоляции.

• Система позволяет установку стандартной фурнитуры в EURO 1 желоб и фурнитуры для ПВХ в EURO 16мм желоб.

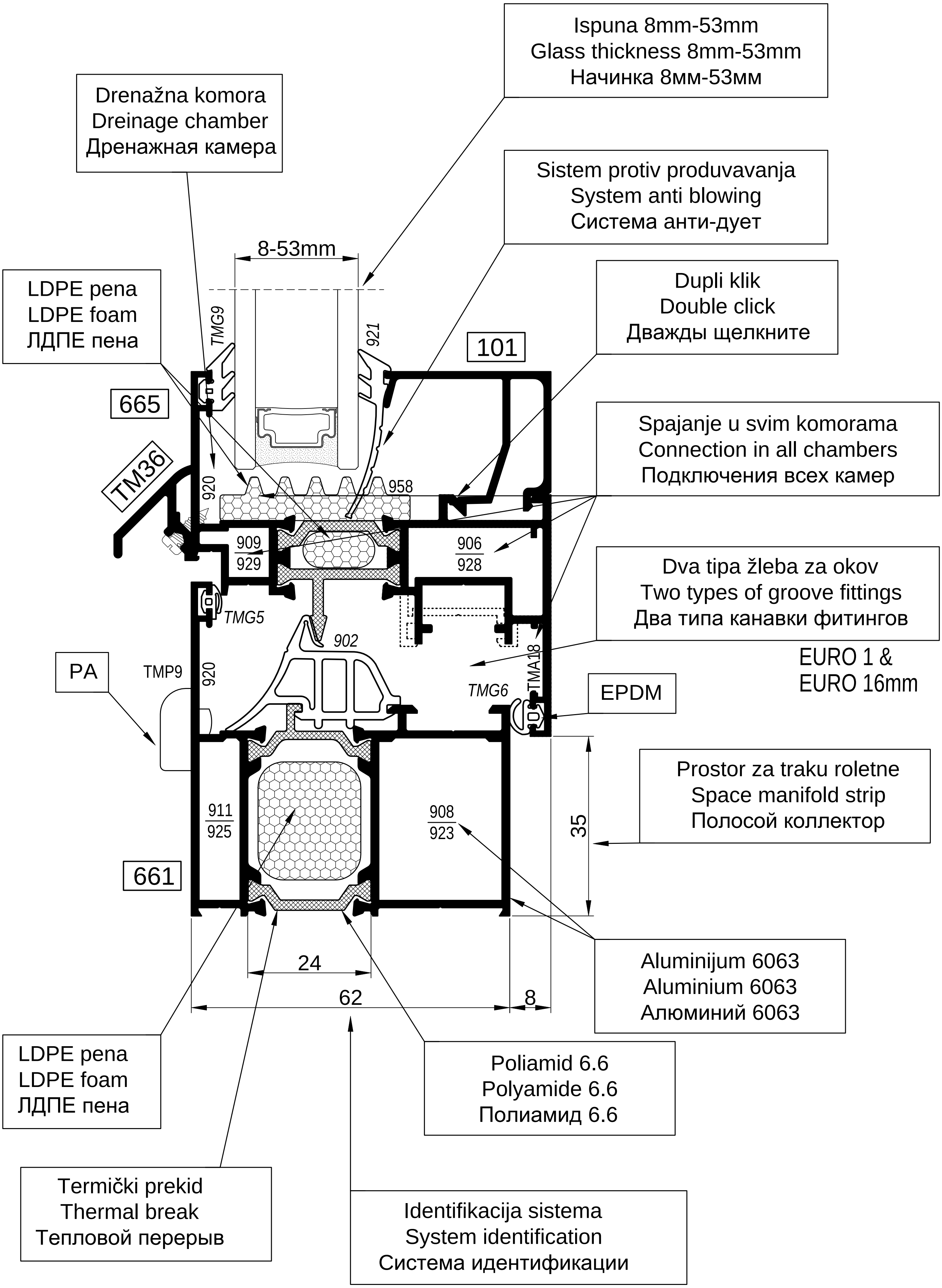
• Система поддерживает и заполнения, включая и стеклопакеты от 8 до 53 мм, с EPDM прокладками, которые имеют интегрированный барьер против выдувания.

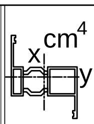
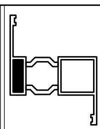
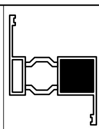
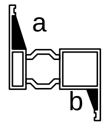
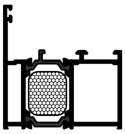
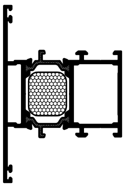
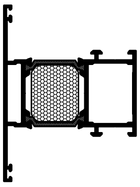
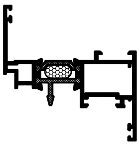
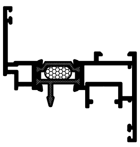
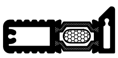
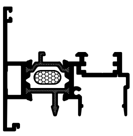
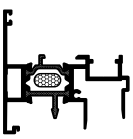
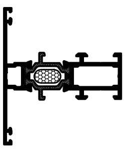
• Уплотнение в зонах соединений косяка и створки - тройное, с тремя постоянно упругими прокладками EPDM, которые устойчивы к UV-излучению.

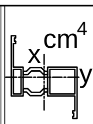
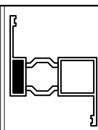
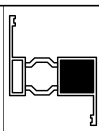
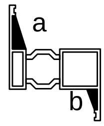
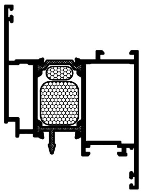
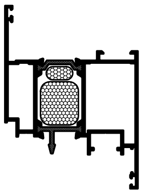
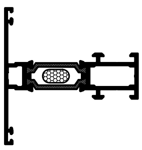
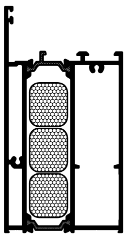
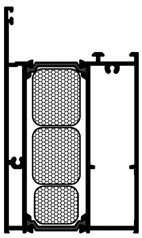
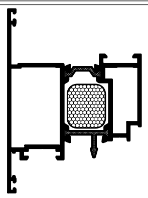
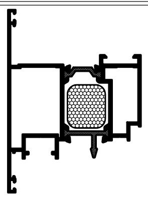
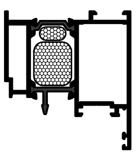
• Сцепление углов, с помощью экструдированных сцепных устройств или сцепных устройств для прессовки, обеспеченное затяжкой во всех камерах профиля, что обеспечивает недежное соединение углов и точную геометрию готовых элементов.

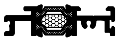
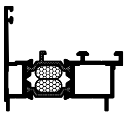
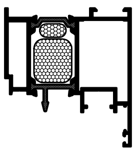
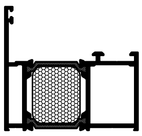
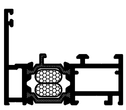
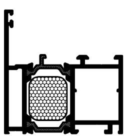
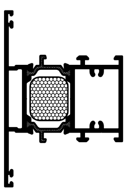
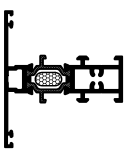
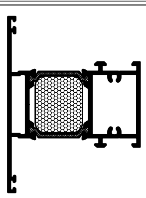
• Направление конденсации и случайных вод регулируется через свободные ровные поверхности в камерах, в то время как вентилируемая внешная камера имеет глубину 20 мм.

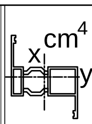
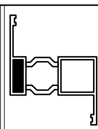
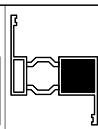
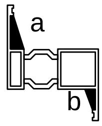
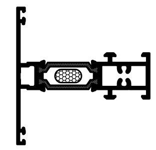
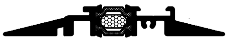
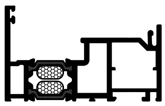
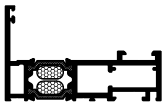
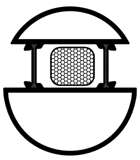
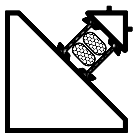
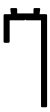
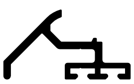
• Основной внешний размер косяка от 65 мм позволяет идеальный прием направляющей жалюзи и противомоскитных сеток. Внутренняя ширина косяка обеспечивает идеальное место для коллектора полосок жалюзи.

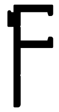
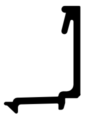
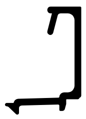
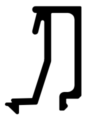
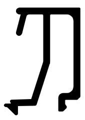
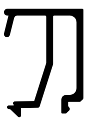
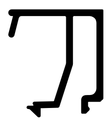
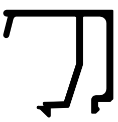

Ispuna 8mm-53mm
Glass thickness 8mm-53mm
Начинка 8мм-53мм
Drenažna komora
Dreinage chamber
Дренажная камера
Sistem protiv produvavanja
System anti blowing
Система анти-дует
8-53mm
LDPE pena
LDPE foam
ЛДПЕ пена
Dupli klik
Double click
Дважды щелкните
TMG9
921
101
665
TM36
920
958
Spajanje u svim komorama
Connection in all chambers
Подключения всех камер
909
929
906
928
Dva tipa žleba za okov
Two types of groove fittings
Два типа канавки фитингов
TMG5
902
EURO 1 &
EURO 16mm
PA
TMP9
920
TMA18
TMG6
EPDM
Prostor za traku roletne
Space manifold strip
Полосой коллектор
911
925
908
923
35
661
24
62
8
Aluminijum 6063
Aluminium 6063
Алюминий 6063
LDPE pena
LDPE foam
ЛДПЕ пена
Poliamid 6.6
Polyamide 6.6
Полиамид 6.6
Termički prekid
Thermal break
Тепловой перерыв
Identifikacija sistema
System identification
Система идентификации

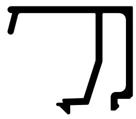
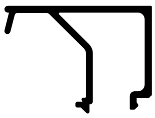
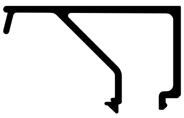
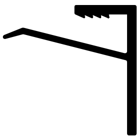
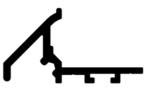
	Oznaka Mark Марк	Opis Description Описание	 cm4				
			Ix			a	b
	kg/m'		Iy			a	b
	661	Štok Frame	21,8	911	908	920	-
	1,396	Рама	10,6	925	923	920	-
	662	Prečka u štoku T profile in frame	25,42	-	915	934 x2	-
	1,594	T профиль в раме	18,7	-	905	934 x2	-
	663	Prečka u krilu T profile in casement	34,2	-	915	934 x2	-
	1,684	T профиль в створки	18,7	-	905	934 x2	-
	664	Prozorsko krilo - EURO 1 Casement -EURO 1	27,42	909	907	920	TMA18
	1,269	Оконная створка -ЕУРО 1	4,3	929	926	920	TMA18
	665	Prozorsko krilo - EURO 16 Casement -EURO 16	27,3	909	906	920	TMA18
	1,279	Оконная створка -ЕУРО 16	4,0	929	928	920	TMA18
	668	Prag Threshold	14,0	-	-	-	-
	1,072	Порог	1,3	-	-	-	-
	669	Veza dvokrilnog prozora - EURO 1 French casement adaptor -EURO 1	18,9	-	-	-	-
	1,214	Соединительный профиль двойног окна -ЕУРО 1	6,5	-	-	-	-
	670	Veza dvokrilnog prozora - EURO 16 French casement adaptor -EURO 16	18,6	-	-	-	-
	1,216	Соединительный профиль двойног окна -ЕУРО 16	6,3	-	-	-	-
	673	Prečka u štoku T profile in frame	18,5	-	922	934 x2	-
	1,112	T профиль в рамке	6,7	-	905	934 x2	-

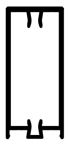
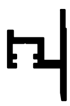
	Oznaka Mark Марк	Opis Description Описание					
	kg/m`		Ix Iy			a a	b b
	674	Krilo vrata -otvaranjem unutra- EURO 1 Door leaf -open in -EURO 1 Крыло двери, открывающиеся внутрь -ЕУРО1	42,4	939	940	920	TMA18
	1,772		17,0	930	932	920	TMA18
	675	Krilo vrata -otvaranjem unutra- EURO 16 Door leaf -open in -EURO 16 Крыло двери, открывающиеся внутрь -ЕУРО16	42,5	939	941	920	TMA18
	1,744		16,5	930	931	920	TMA18
	676	Prečka u krilu T profile in casement Препятствие в створки	25,1	-	922	x2 934	-
	1,168		6,65	-	905	x2 934	-
	677	Parapetni profil u štoku / Veliki štok Parapet profile in frame / Large frame Парапет профиль в рамке большой рам	38,9	911	908	934	-
	2,444		83,6	925	923	934	-
	678	Parapetni profil u krilu Parapet profile in casement Парапет профиль в створки	52,7	-	915	934	-
	2,513		83,7	-	905	934	-
	679	Krilo vrata -otvaranjem spolja- EURO 1 Door leaf -open out -EURO 1 Крыло двери, открывающиеся наружу -ЕУРО1	34,4	939	940	920	TMA18
	1,717		24,2	930	932	920	TMA18
	680	Krilo vrata -otvaranjem spolja- EURO 16 Door leaf -open out -EURO 16 Крыло двери, открывающиеся наружу -ЕУРО16	34,6	941	939	920	TMA18
	1,728		23,4	931	930	920	TMA18
	682	Krilo vrata -otvaranjem unutra- EURO 1 Door leaf -open in -EURO 1 Крыло двери, открывающиеся внутрь -ЕУРО1	31,3	945	940	920	TMA18
	1,599		15,3	930	932	920	TMA18

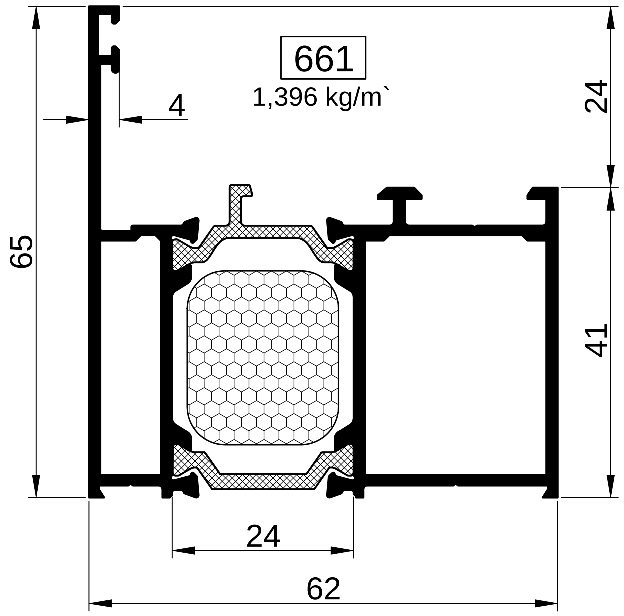
	Oznaka Mark Марк / kg/m'	Opis Description Описание	cm⁴ Ix / Iy			a	b
	683	Prag Threshold Порог	7,9	-	-	-	-
	0,788		0,4	-	-	-	-
	684	Reducir smera okretanja vrata Reducing the direction of the door Снижение направление двери	16,5	913	943	920	-
	1,115		4,4	927	944	920	-
	685	Krilo vrata -otvaranjem unutra- EURO 16 Door leaf -open in -EURO 16 Крыло двери, открывающиеся внутрь -ЕУРО16	31,4	945	941	-	TMA18
	1,609		14,8	930	931	-	TMA18
	686	Parapetni profil u krilu Parapet profile in casement Парапет профиль в створки	29,1	-	995	934	-
	1,440		10,8	-	905	934	-
	688	Štok Frame Рама	18,7	943	906	920	-
	1,177		4,3	944	928	920	-
	652	Štok Frame Рама	23,9	911	907	920	-
	1,427		10,8	925	926	920	-
	653	Prečka u štoku T profile in frame T профиль в раме	27,4	-	-	x2 934	-
	1,647		20,0	-	-	x2 934	-
	655	Prečka u štoku T profile in frame T профиль в раме	19,5	-	-	x2 934	-
	1,206		6,7	-	-	x2 934	-
	654	Prečka u krilu T profile in casement T профиль в створки	37,1	-	-	x2 934	-
	1,677		20,0	-	-	x2 934	-

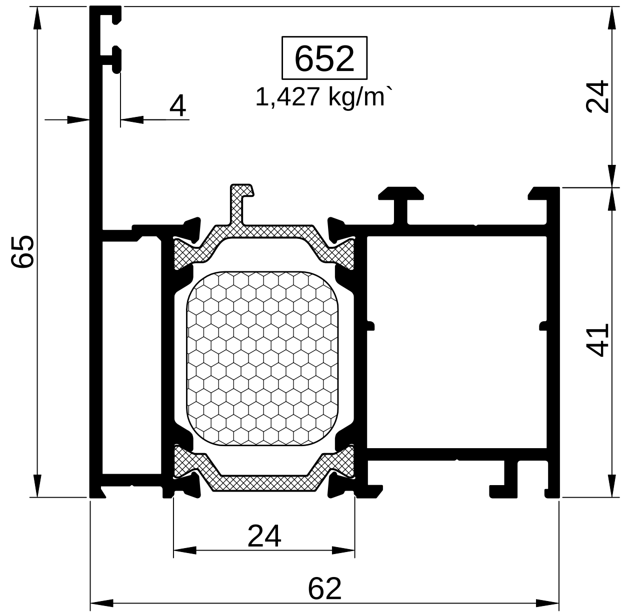
	Oznaka Mark Марк / kg/m'	Opis Description Описание	 cm⁴ Ix / Iy			 a / a	b / b
	656	Prečka u krilu T profile in casement T профиль в створки	26,5	-	-	934 x2	-
	1,223		6,7	-	-	934 x2	-
	659	Prag Threshold Порог	-	-	-	-	-
	1,584		-	-	-	-	-
	657	Štok- donji Frame- below Рама- доньи	46,5	943	906	920	-
	1,852		9,5	944	928	920	-
	658	Štok- gornji Frame- upper Рама- верхняя	41,1	943	906	920	-
	1,582		5,98	944	928	920	-
	651	Ugaoni profil Angle connector Угловой профиль	22,6	-	-	-	-
	1,662		29,4	-	-	-	-
	650	Ugaoni profil -90° Angle connector -90° Угловой профиль - 90º	25,7	-	-	-	-
	1,682		30,7	-	-	-	-
	110	Opšivni profil Casing profile Обшивка	-	-	-	-	-
	0.133		-	-	-	-	-
	119	Pokopac praga Cover threshold Порог обложки	-	-	-	-	-
	0,071		-	-	-	-	-
	120	Slivnik i nosač četkice Waterdrip Капельник	-	-	-	-	-
	0,281		-	-	-	-	-

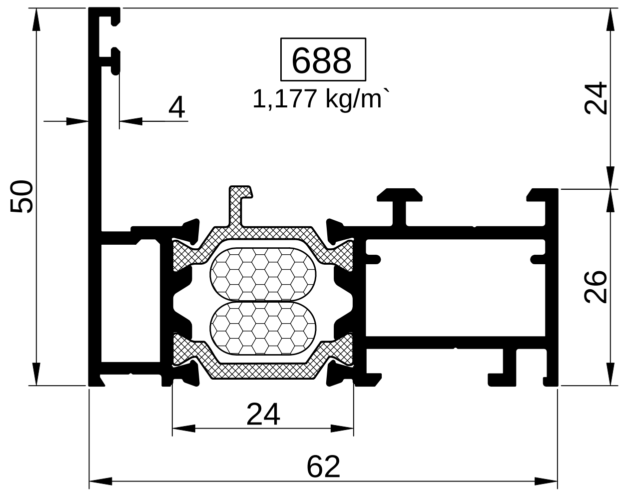
	Oznaka Mark Марк kg/m'	Opis Description Описание	cm⁴ Ix Iy			a a	b b
	126 0.193	Profil za spoj Profile for the connection Профиль для связи	- -	- -	- -	- -	- -
	127 0.258	Držač zaptivke Gasket holder Держатель прокладка	- -	- -	- -	- -	- -
	124 0,200	Držač stakla - 4,5mm Glazing bead - 4,5mm Подстаканник - 4,5мм	- -	- -	- -	- -	- -
	123 0,211	Držač stakla - 8,5mm Glazing bead - 8,5mm Подстаканник - 8,5мм	- -	- -	- -	- -	- -
	122 0,296	Držač stakla - 12,5mm Glazing bead - 12,5mm Подстаканник - 12,5мм	- -	- -	- -	- -	- -
	106 0,302	Držač stakla - 16,5mm Glazing bead - 16,5mm Подстаканник - 16,5mm	- -	- -	- -	- -	- -
	116 0,320	Držač stakla - 20,5mm Glazing bead - 20,5mm Подстаканник - 20,5mm	- -	- -	- -	- -	- -
	100 0,330	Držač stakla - 24,5mm Glazing bead - 24,5mm Подстаканник - 24,5mm	- -	- -	- -	- -	- -
	117 0,348	Držač stakla - 28,5mm Glazing bead - 28,5mm Подстаканник - 28,5mm	- -	- -	- -	- -	- -

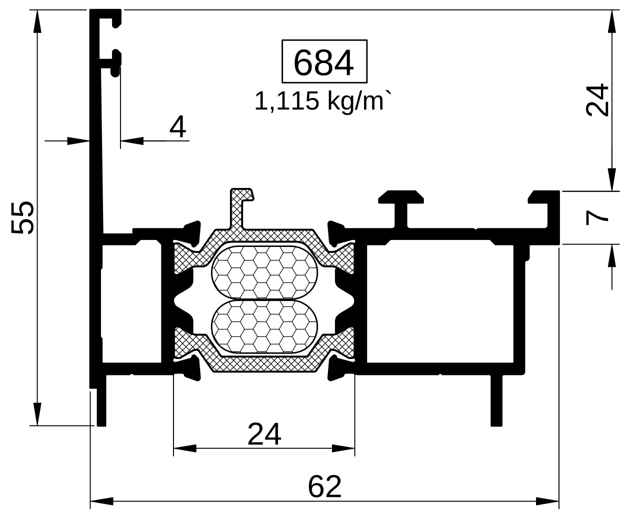
	Oznaka Mark Марк kg/m'	Opis Description Описание	cm^4 Ix Iy			a a	b b
	101	Držač stakla - 32,5mm Glazing bead - 32,5mm	-	-	-	-	-
	0,359	Подстаканник - 32,5mm	-	-	-	-	-
	108	Držač stakla - 38,5mm Glazing bead - 38,5mm	-	-	-	-	-
	0,393	Подстаканник - 38,5mm	-	-	-	-	-
	107	Držač stakla - 46,5mm Glazing bead - 46,5mm	-	-	-	-	-
	0,447	Подстаканник - 46,5mm	-	-	-	-	-
	V05	Opšivni profil Casing profile	-	-	-	-	-
	0,389	Обшивка	-	-	-	-	-
	TM33	Pogonska letva Mechanism rod	-	-	-	-	-
	0,152	Стержень для механизма	-	-	-	-	-
	TM36	Slivnik Waterdrip	-	-	-	-	-
	0,177	Капельник	-	-	-	-	-
	TM42	Slivnik i nosač četkice Waterdrip and brush holder	-	-	-	-	-
	0,272	Капельник и держатель щетки	-	-	-	-	-
	TM43	Nosač četkice Brush holder	-	-	-	-	-
	0,130	Держатель щетки	-	-	-	-	-
	TM67	Nosač solbanka The carrier of window sills	-	-	-	-	-
	0,303	Подоконники носителей	-	-	-	-	-

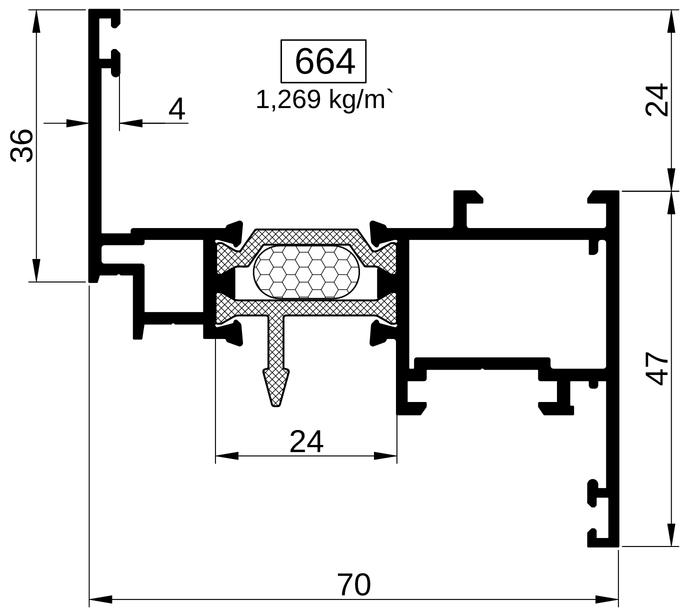
	Oznaka Mark Марк kg/m'	Opis Description Описание	cm⁴ Ix Iy			a	b
	TM80	Modularni stub Modular mullion	19,9	-	-	-	-
	0,947	Модульный колонка	5,1	-	-	-	-
	TM81	Pokopac za TM80 Cover for TM80	-	-	-	-	-
	0,103	Порог для TM80	-	-	-	-	-
	129	Nosač četkice Brush holder	-	-	-	-	-
	0,198	Держатель щетки	-	-	-	-	-

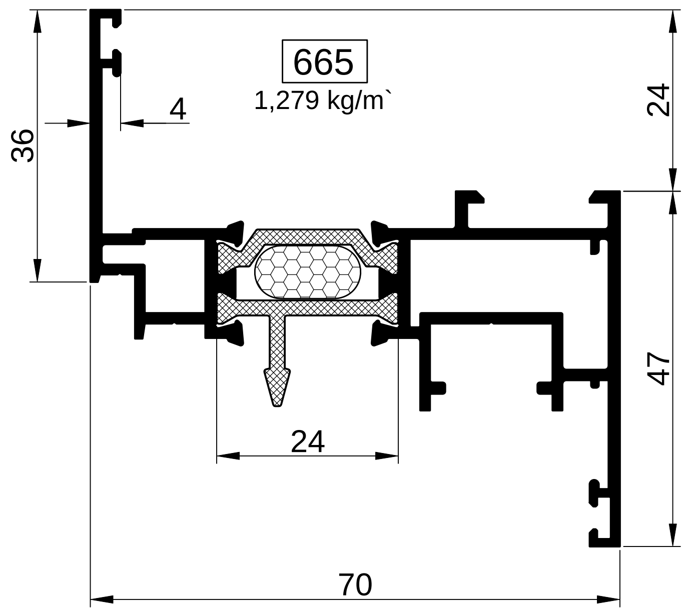

661
1,396 kg/m`
4
65
24
41
24
62

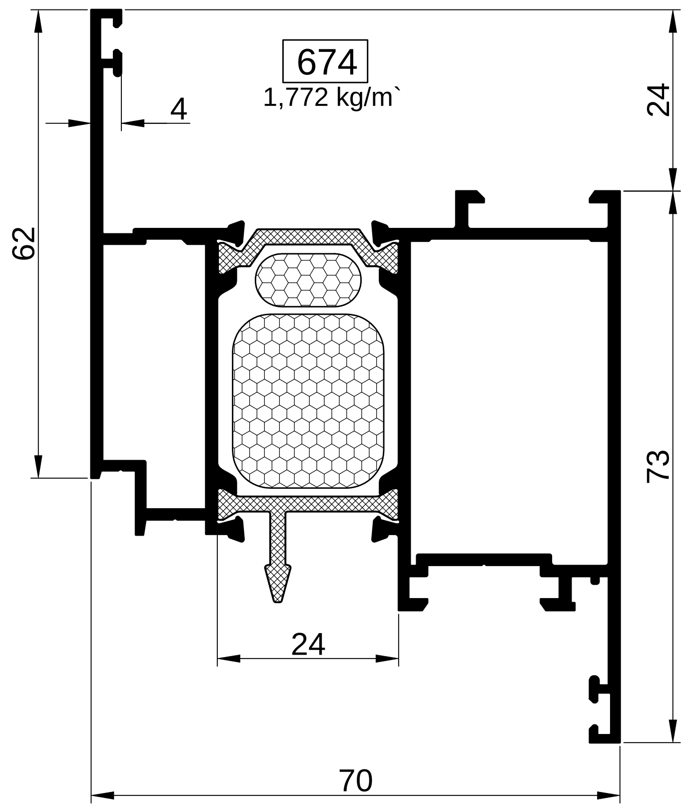

652
1,427 kg/m`
4
65
24
41
24
62

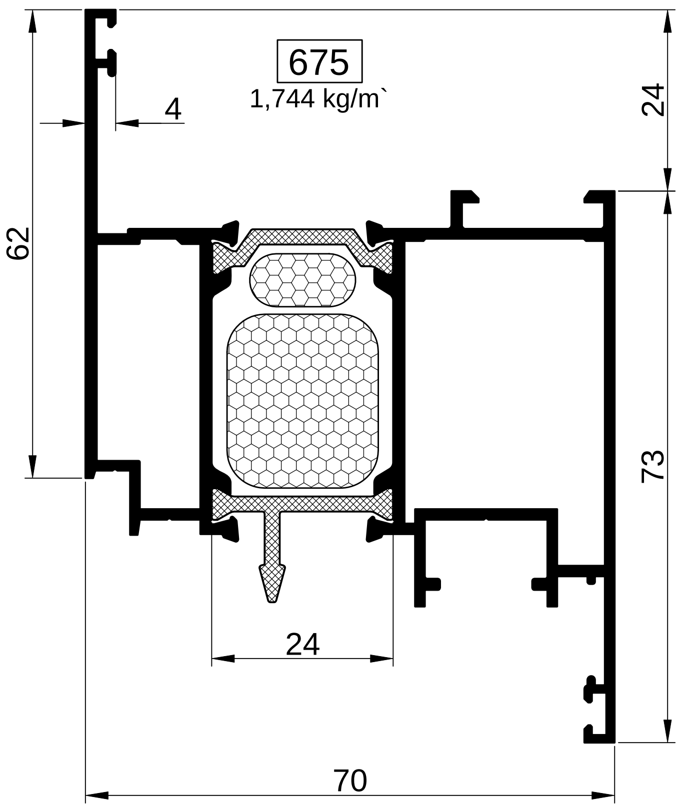

688
1,177 kg/m`
4
50
24
26
24
62

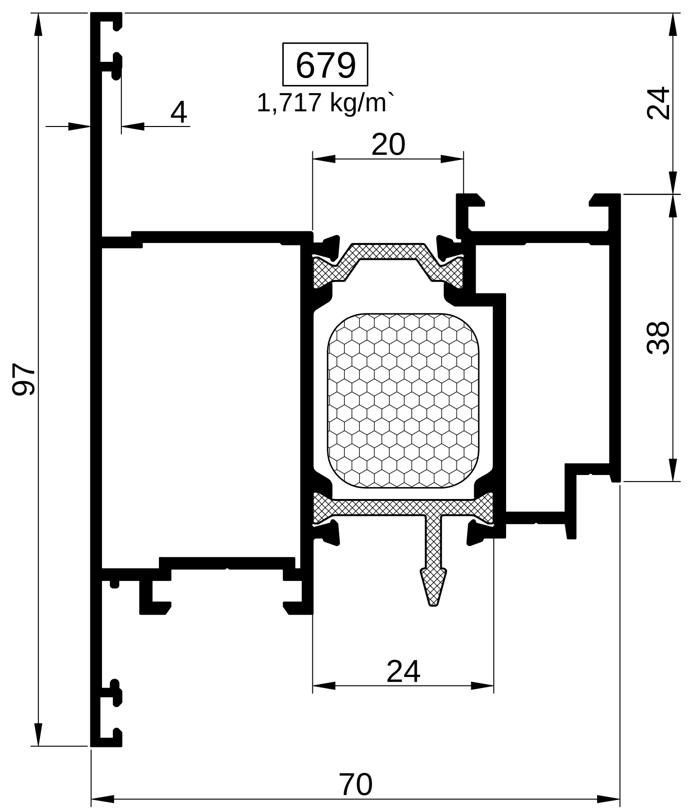

684
1,115 kg/m`
4
55
24
7
24
62

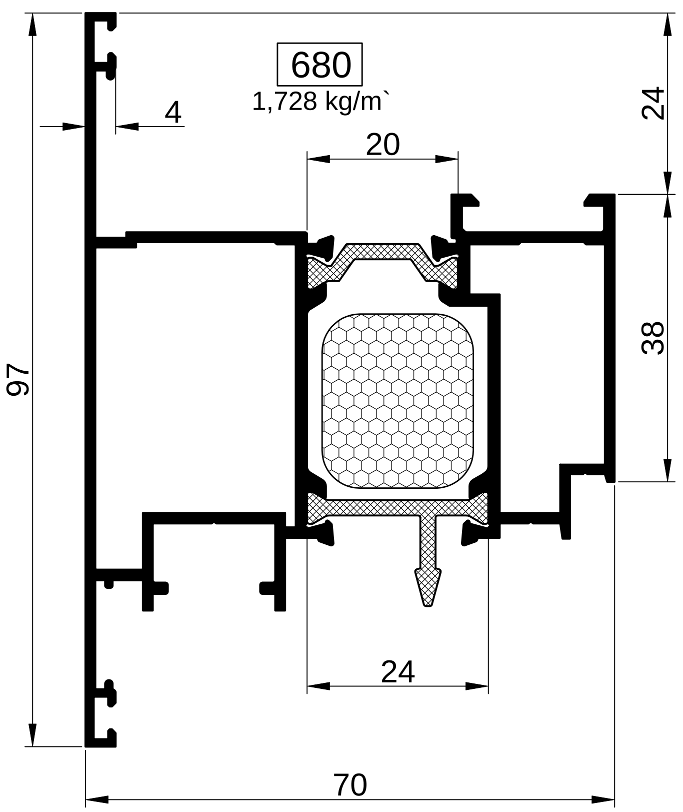

664
1,269 kg/m`
4
36
24
47
24
70

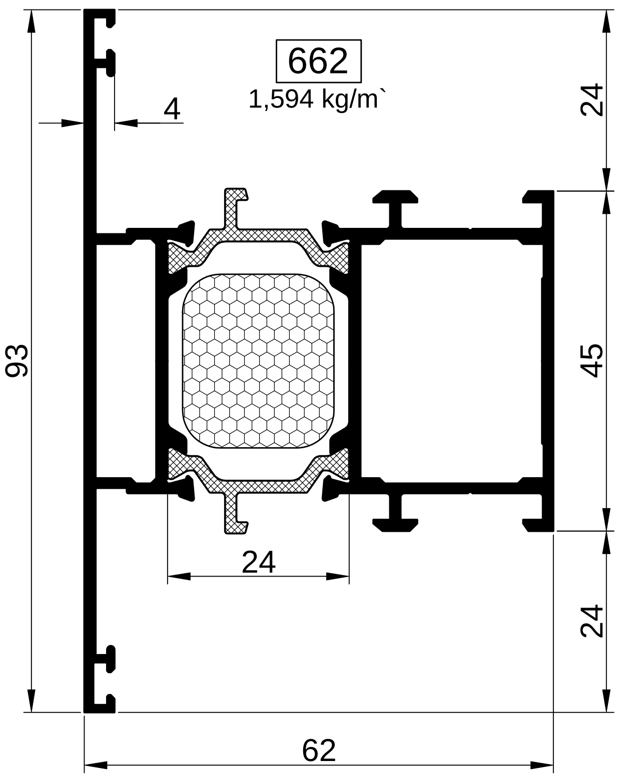

665
1,279 kg/m`
4
36
24
47
24
70

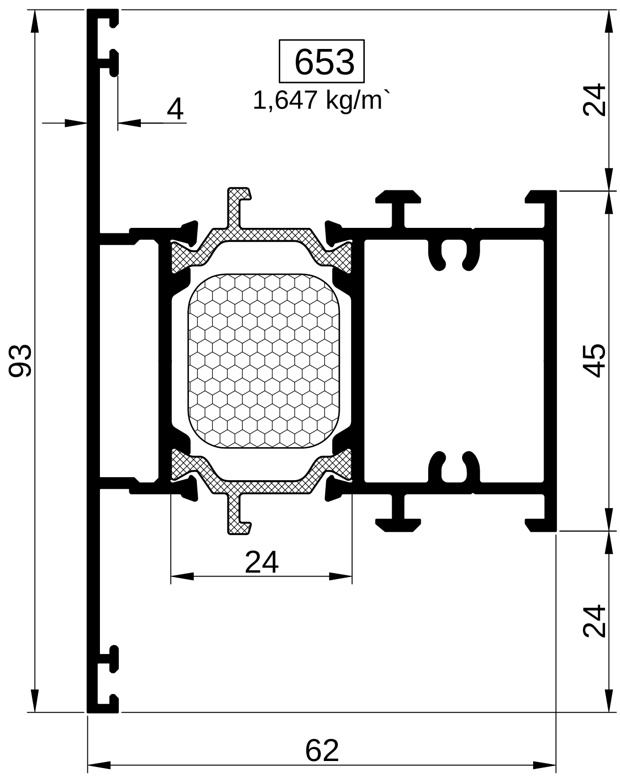

674
1,772 kg/m`
4
24
62
73
24
70

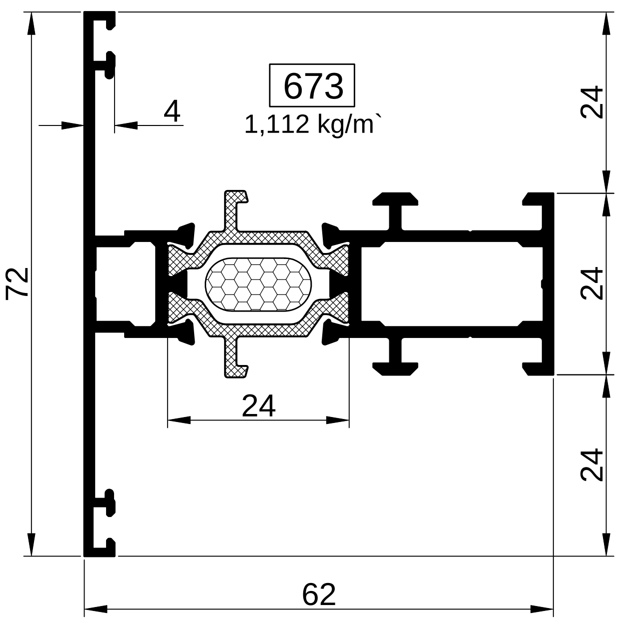

675
1,744 kg/m`
4
24
62
73
24
70

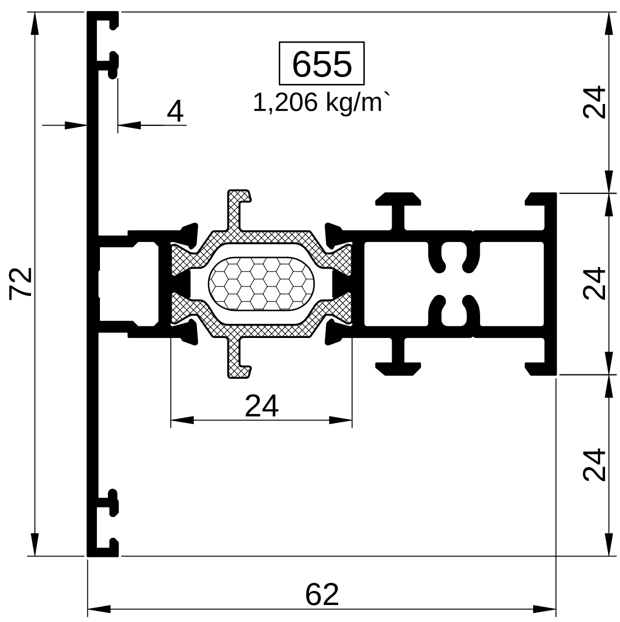

679
1,717 kg/m`
4
20
24
97
38
24
70

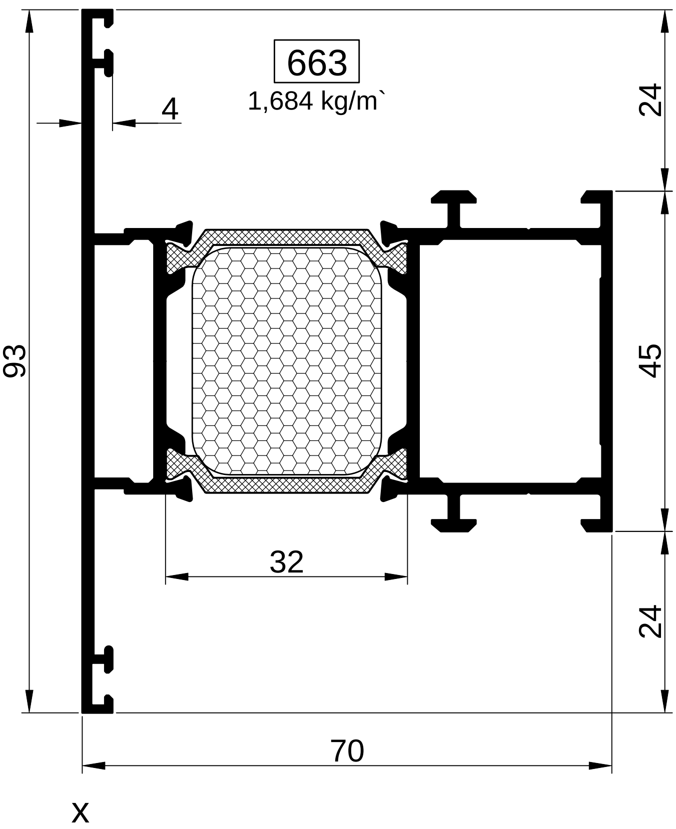

680
1,728 kg/m`
4
20
24
97
38
24
70

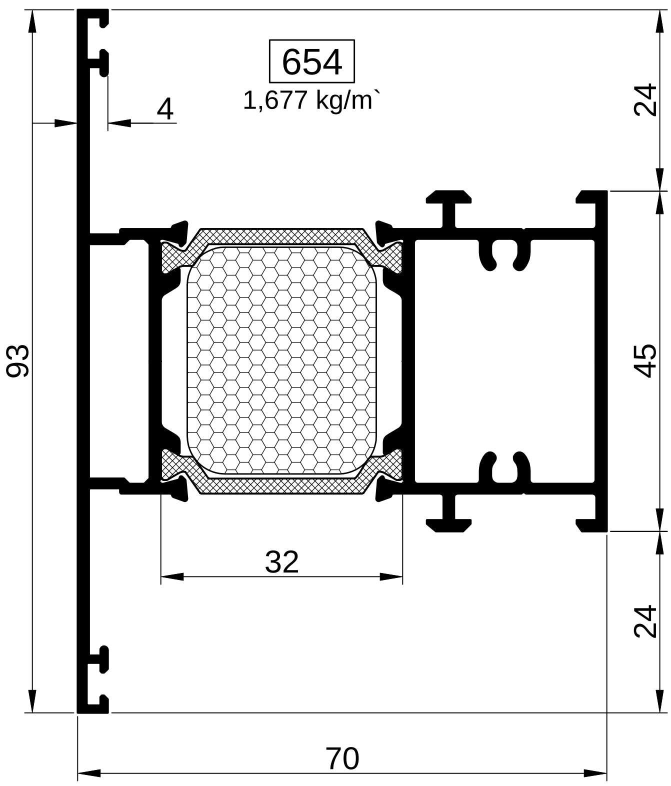

662
1,594 kg/m`
4
24
93
45
24
24
62

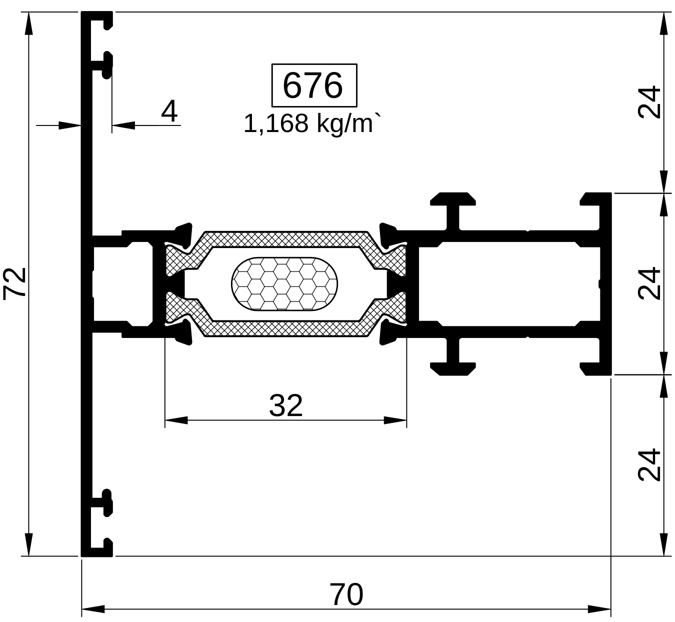

653
1,647 kg/m`
4
24
93
45
24
24
62

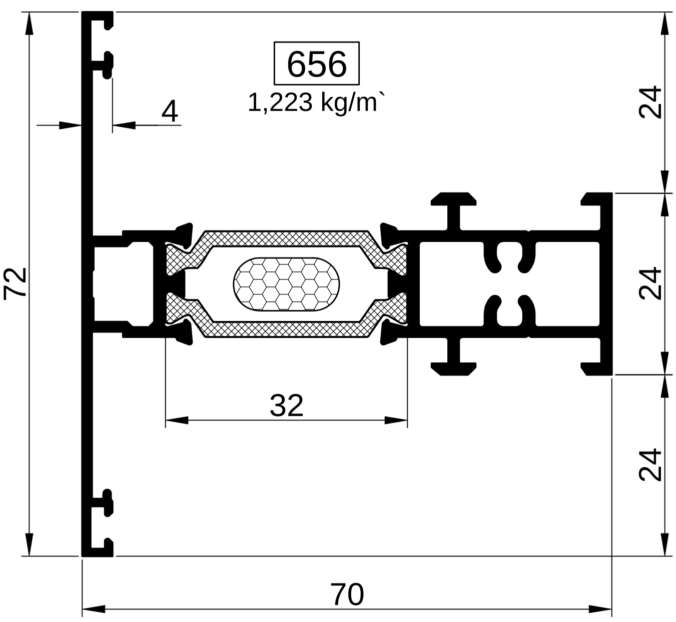

673
1,112 kg/m`
4
24
72
24
24
24
62


655
1,206 kg/m`
4
24
72
24
24
24
62

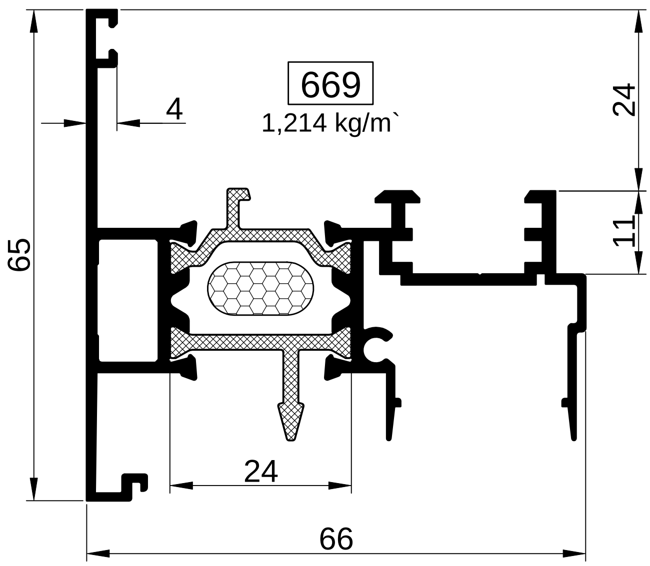

663
1,684 kg/m`
4
24
45
24
93
32
70
x


654
1,677 kg/m`
4
24
45
24
93
32
70

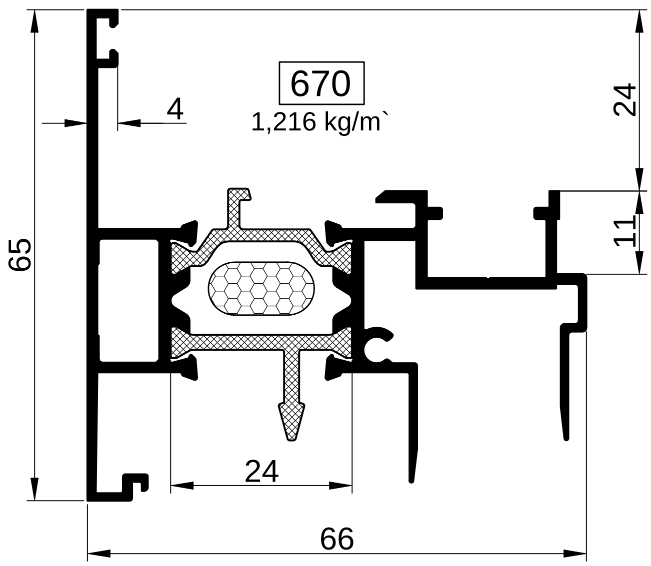

676
1,168 kg/m`
4
24
24
24
72
32
70


656
1,223 kg/m`
4
24
24
24
72
32
70

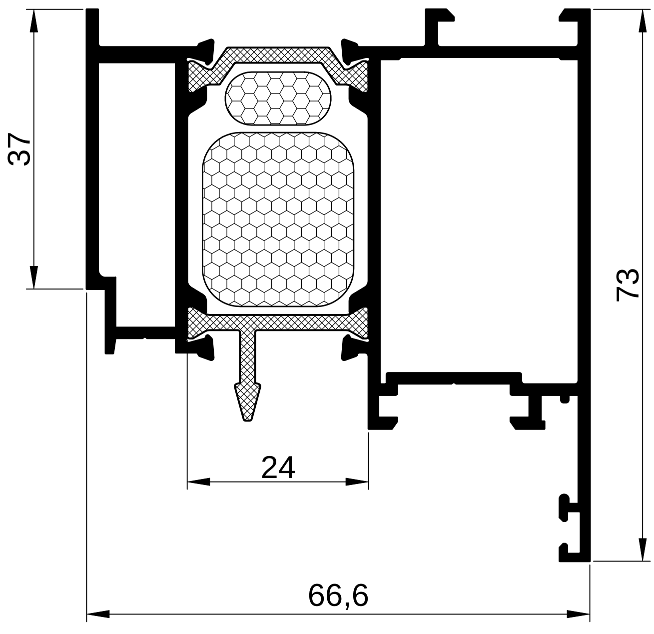
669
1,214 kg/m`



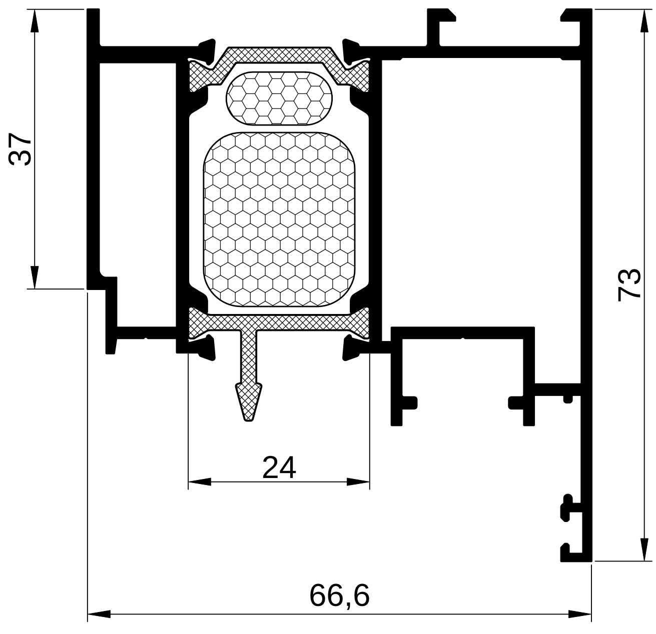
670
1,216 kg/m`

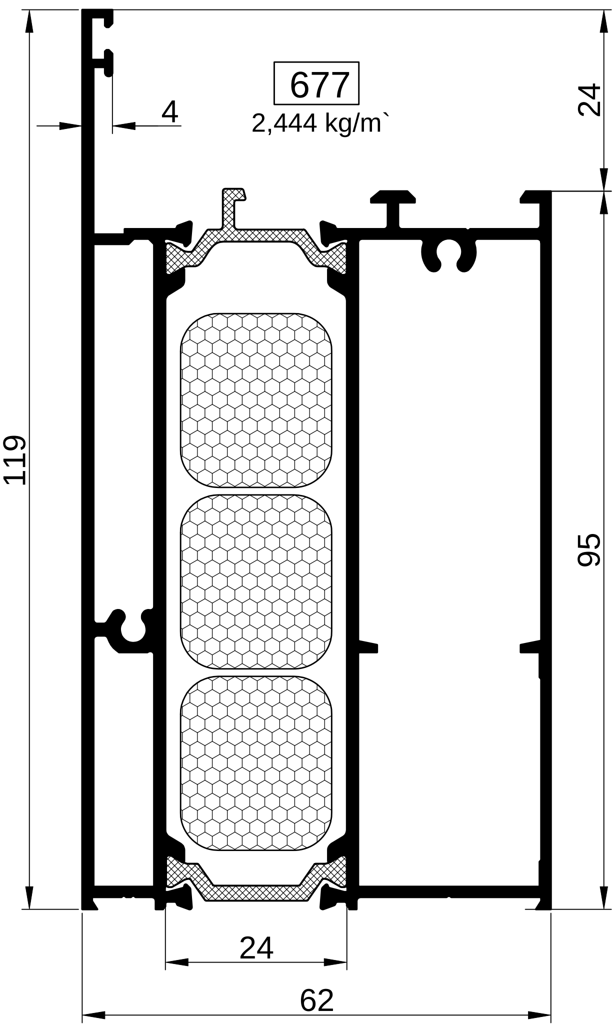


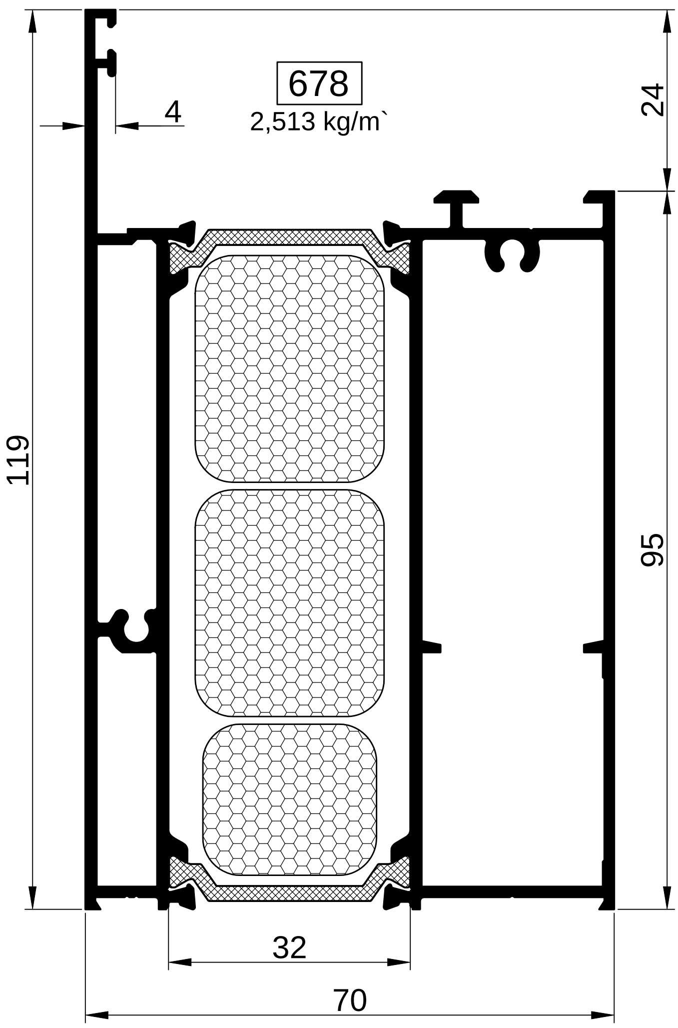
682
1,599 kg/m`

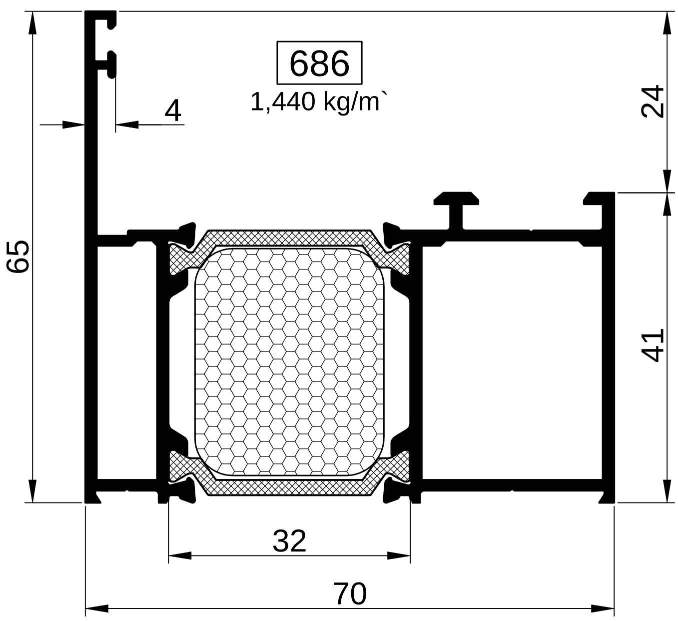


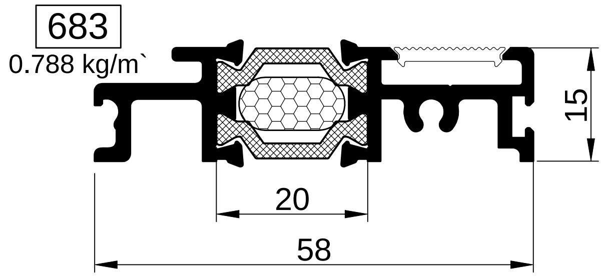
685
1,609 kg/m`

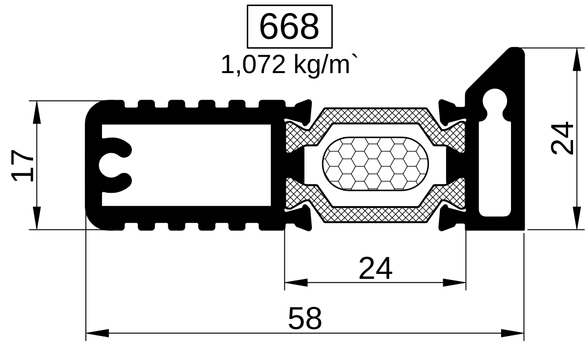


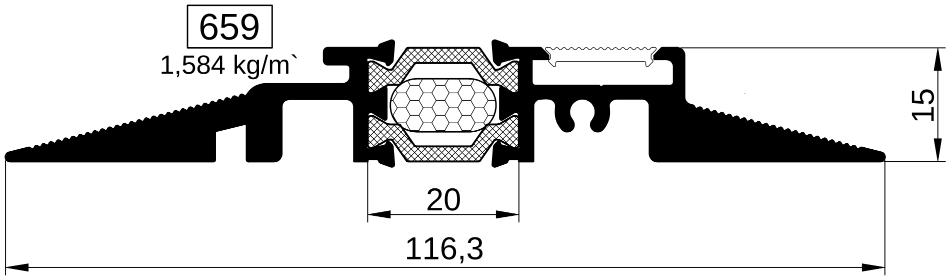

677
2,444 kg/m`
4
24
119
95
24
62

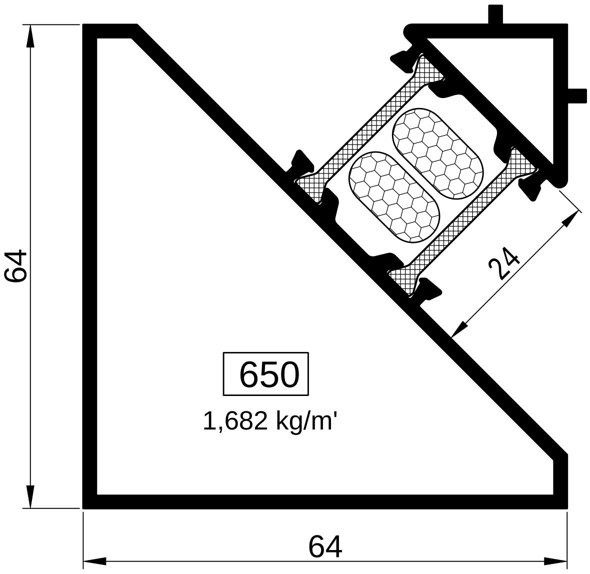

678
2,513 kg/m`
4
24
119
95
32
70

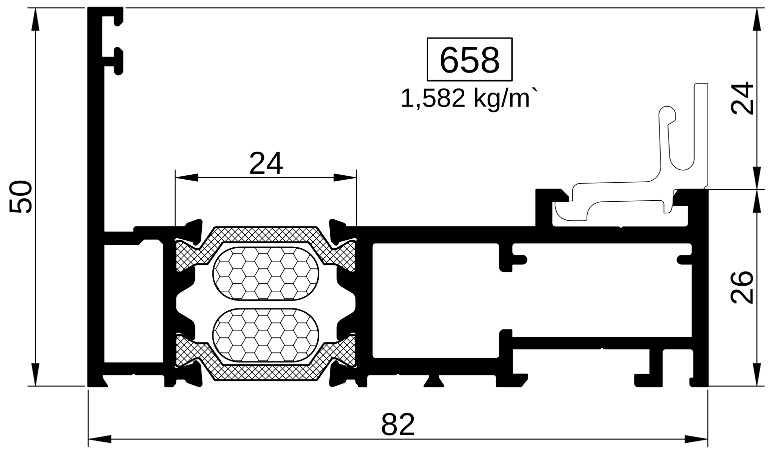

686
1,440 kg/m`
4
24
65
41
32
70

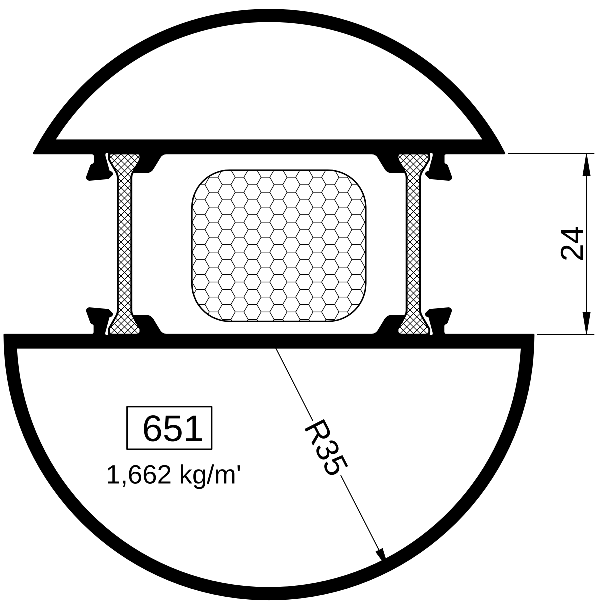

683
0.788 kg/m`
15
20
58

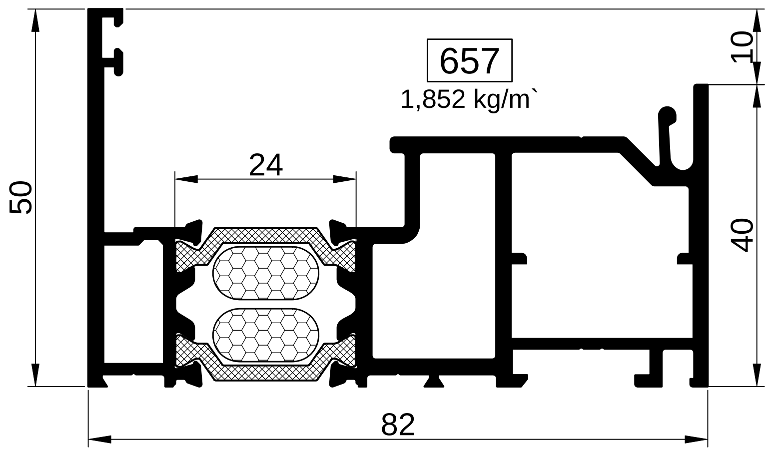

668
1,072 kg/m`
17
24
24
58

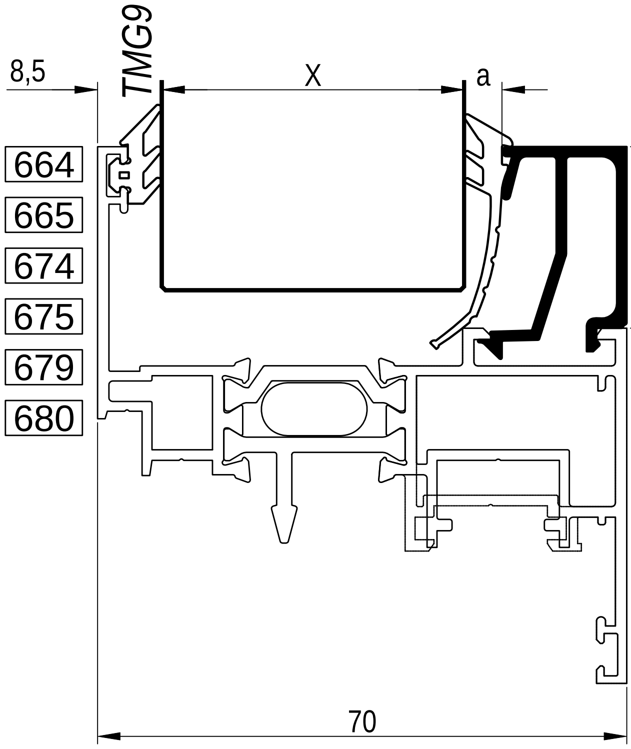

659
1,584 kg/m`
15
20
116,3

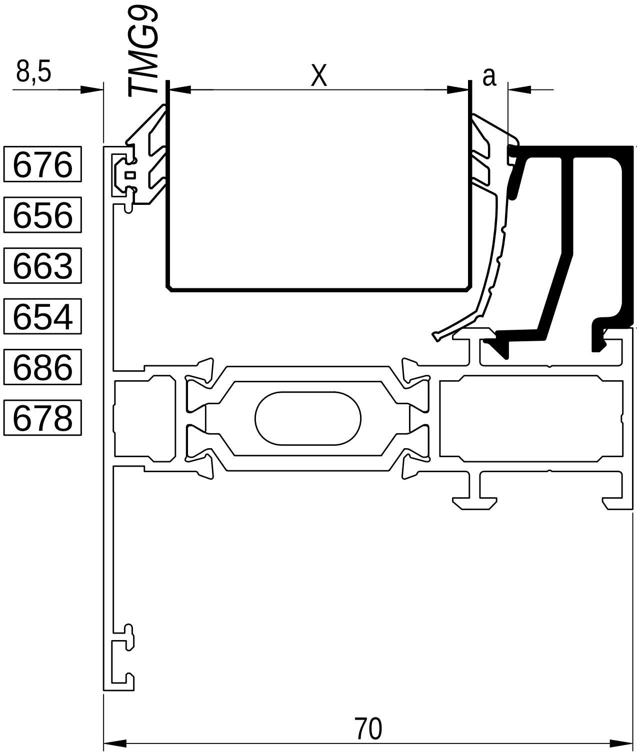

64
24
650
1,682 kg/m'
64

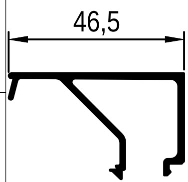
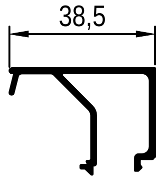
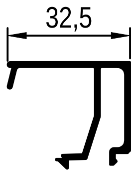
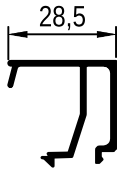
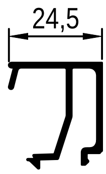
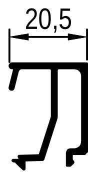
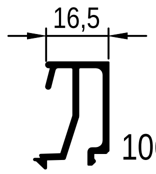
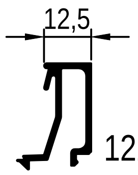
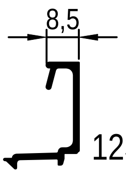
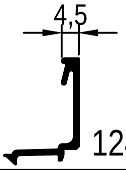

658
1,582 kg/m`
24
50
24
26
82

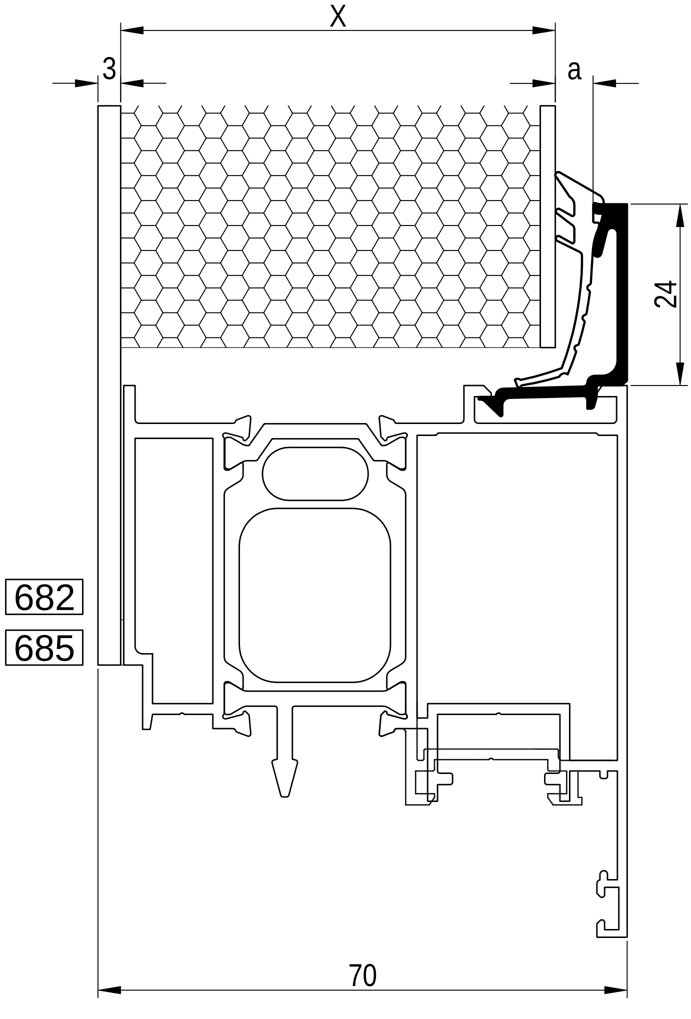

24
651
1,662 kg/m'
R35

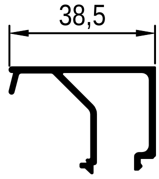
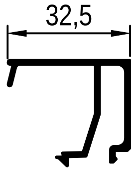
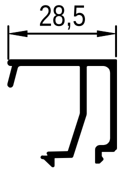
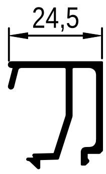
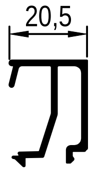
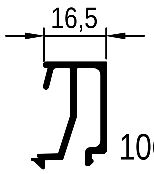
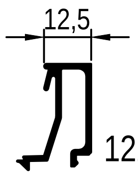
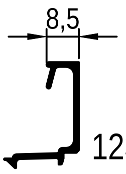
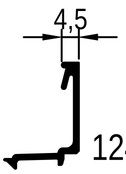

657
1,852 kg/m`
10
24
50
40
82





Debljina Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
8 - 9	938	7 - 6	 46,5 — 107
10 -11	921	5 - 4	
16 -17	938	7 - 6	 38,5 — 108
18 - 19	921	5 - 4	
22 - 23	938	7 - 6	 32,5 — 101
24 - 25	921	5 - 4	
26 - 27	938	7 - 6	 28,5 — 117
28 - 29	921	5 - 4	
30 - 31	938	7 - 6	 24,5 — 100
32 - 33	921	5 - 4	
34 - 35	938	7 - 6	 20,5 — 116
36 - 37	921	5 - 4	
38 - 39	938	7 - 6	 16,5 — 106
40 - 41	921	5 - 4	
42 - 43	938	7 - 6	 12,5 — 122
44 - 45	921	5 - 4	
46 - 47	938	7 - 6	 8,5 — 123
48 - 49	921	5 - 4	
50 - 51	938	7 - 6	 4,5 — 124
52 - 53	921	5 - 4	



Debljina Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
21.5	938	7	 38,5
23.5	921	5	108
27.5	938	7	 32,5
29.5	921	5	101
31.5	938	7	 28,5
33.5	921	5	117
35.5	938	7	 24,5
37.5	921	5	100
39.5	938	7	 20,5
41.5	921	5	116
43.5	938	7	 16,5
45.5	921	5	106
47.5	938	7	 12,5
49.5	921	5	122
51.5	938	7	 8,5
53.5	921	5	123
55.5	938	7	 4,5
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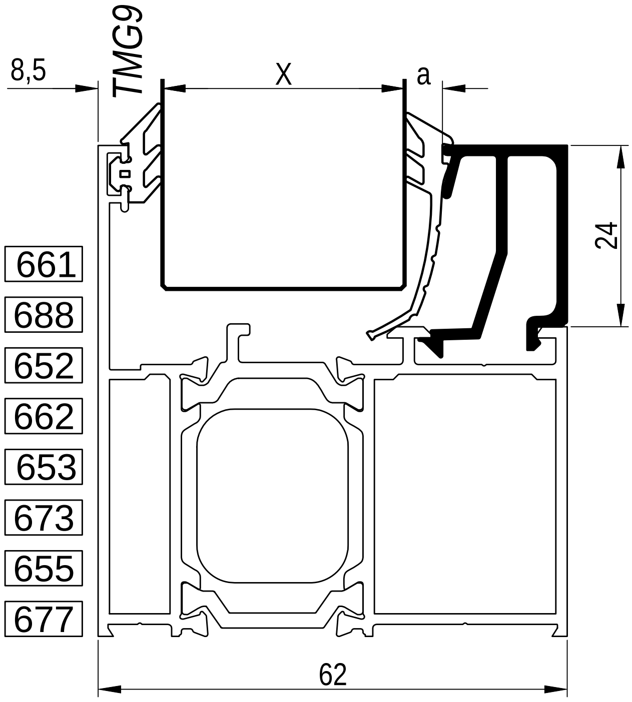
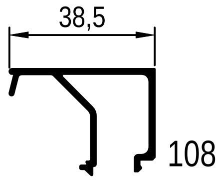


Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
8 - 9	938	7 - 6	
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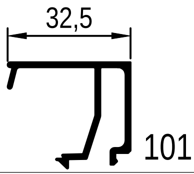
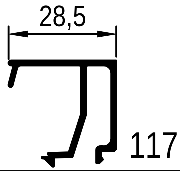
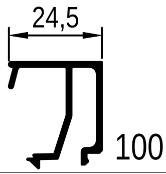
16 -17	921	5 - 4	
18 - 19	938	7 - 6	
22 - 23	938	7 - 6	
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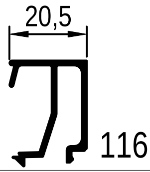
26 - 27	938	7 - 6	
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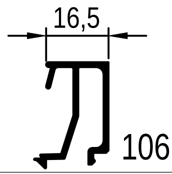
30 - 31	938	7 - 6	
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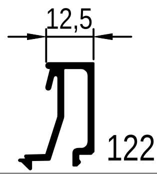
34 - 35	938	7 - 6	
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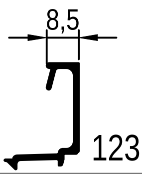
38 - 39	938	7 - 6	
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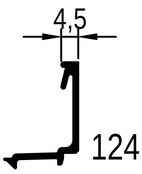
42 - 43	938	7 - 6	
44 - 45	921	5 - 4	

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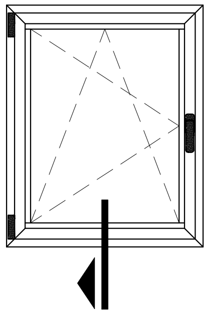

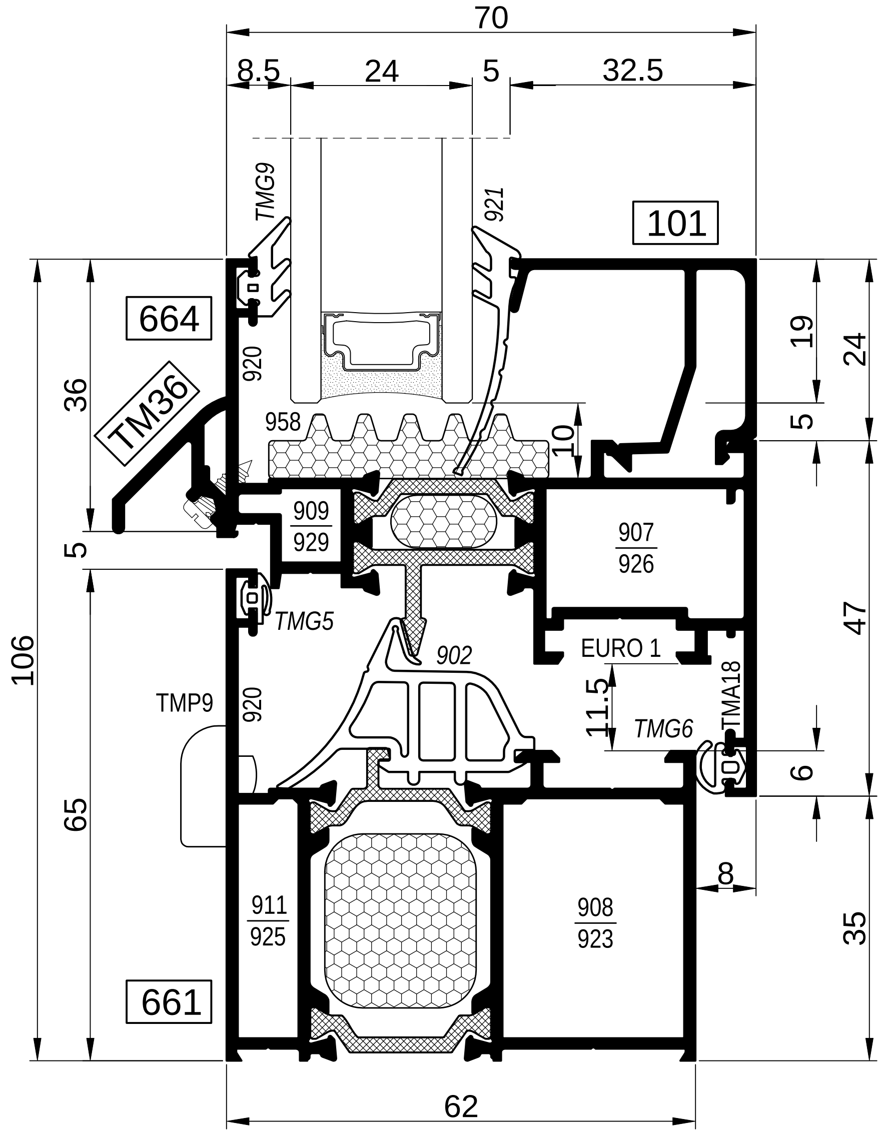
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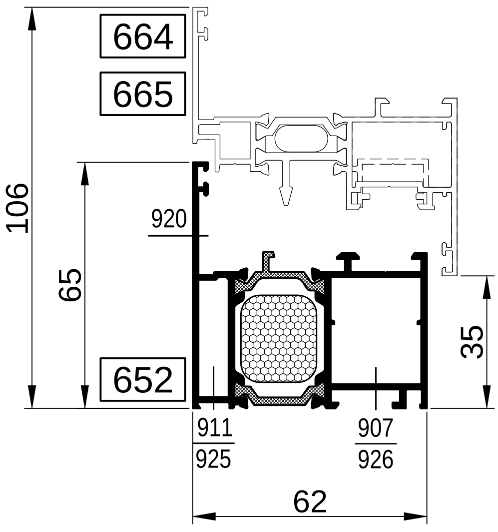
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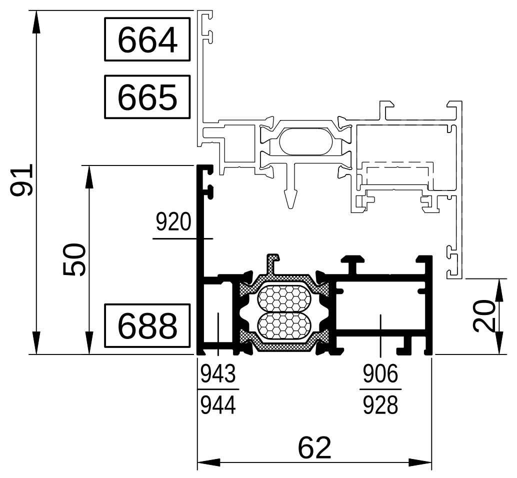
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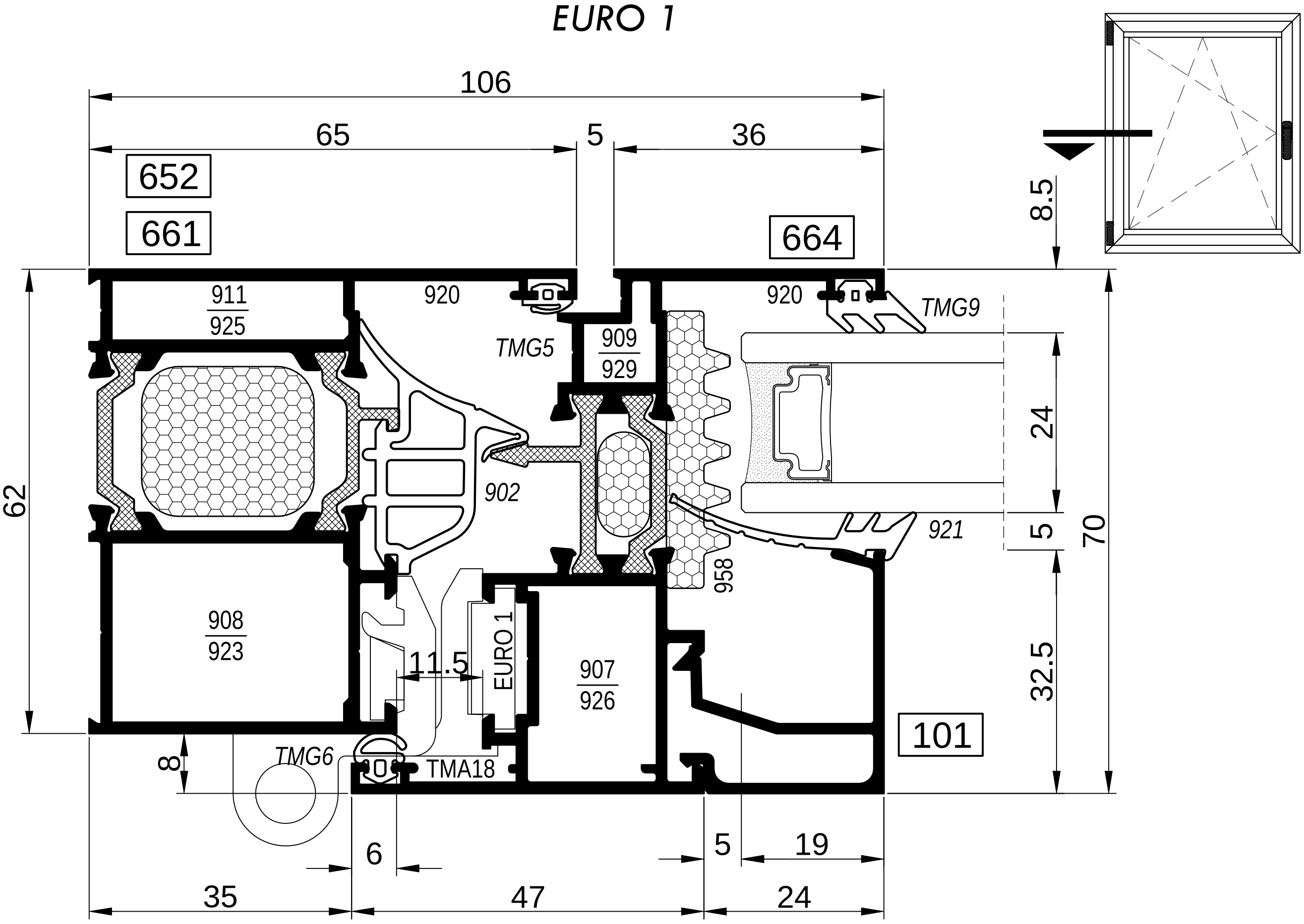
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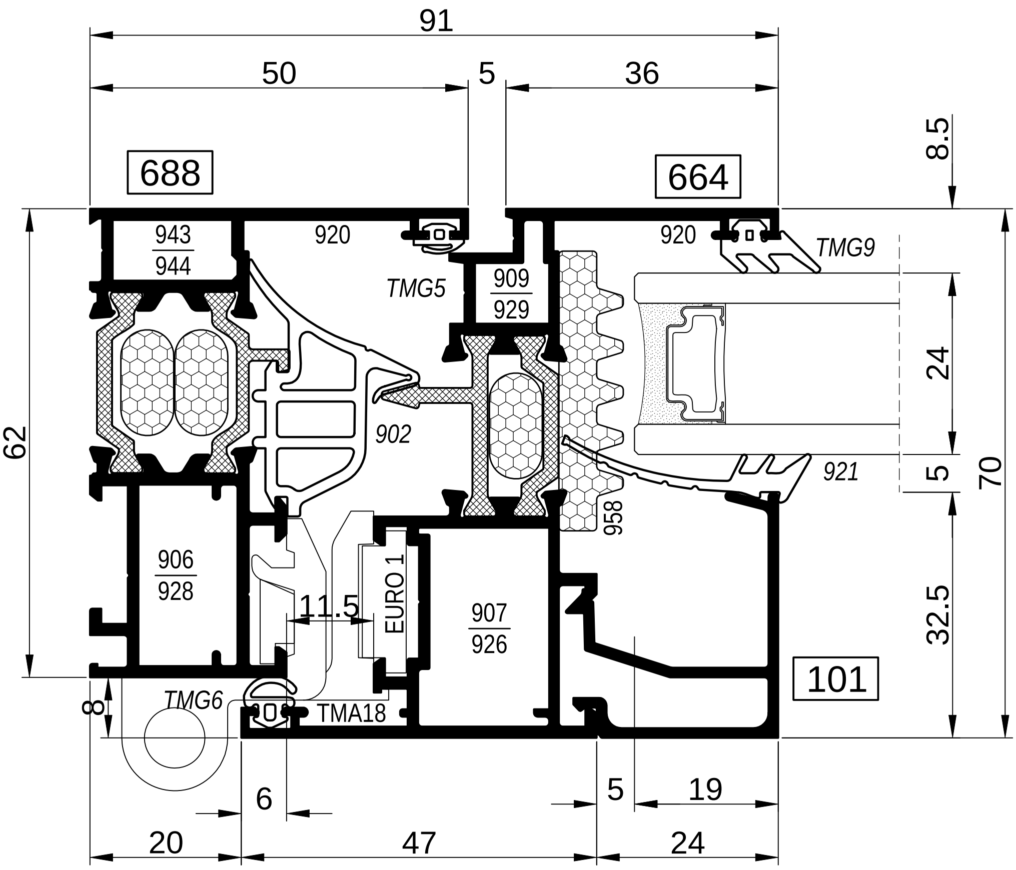
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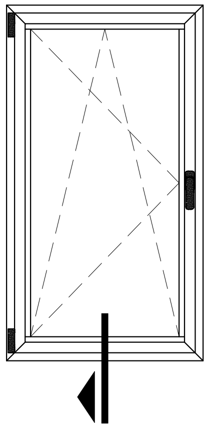

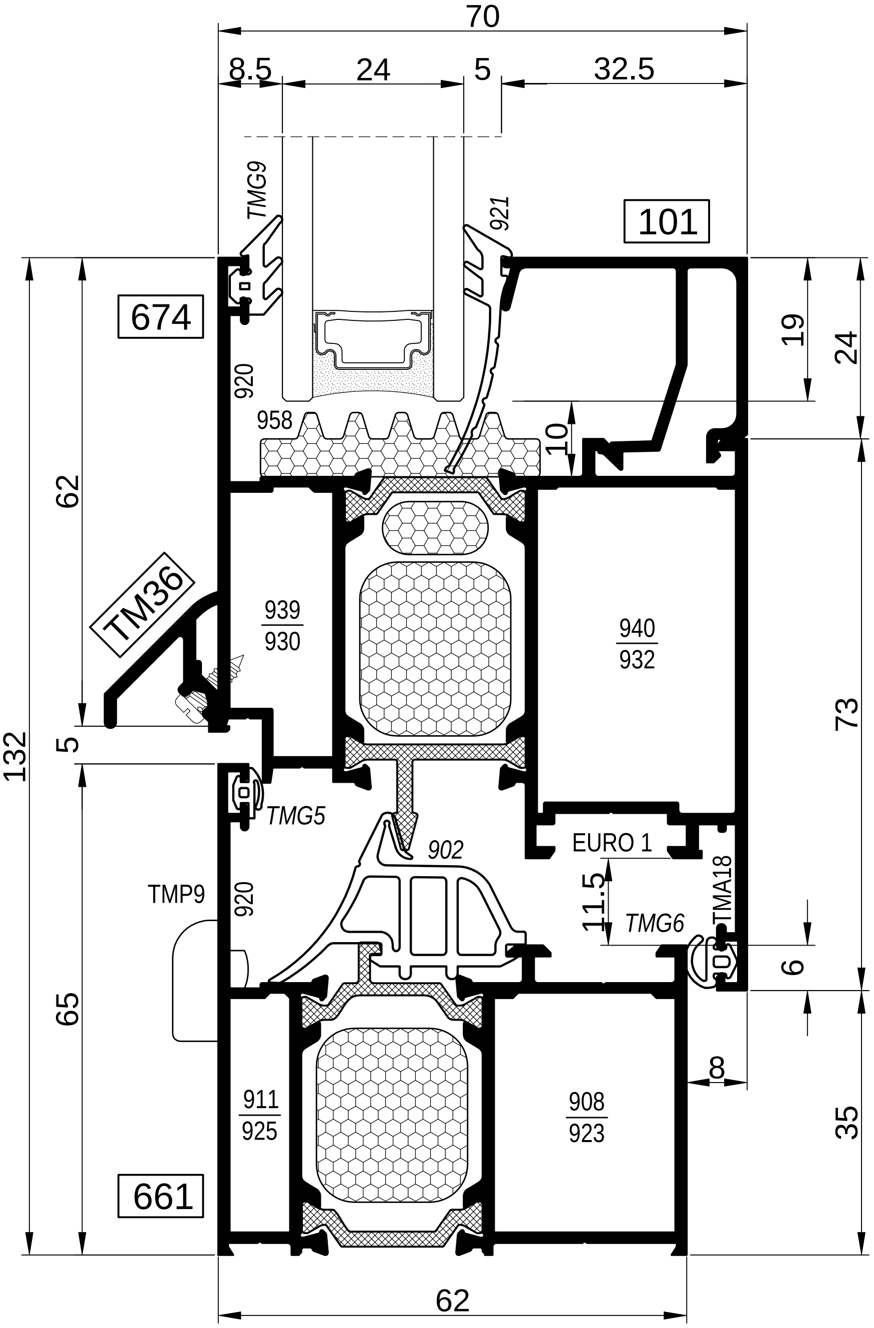
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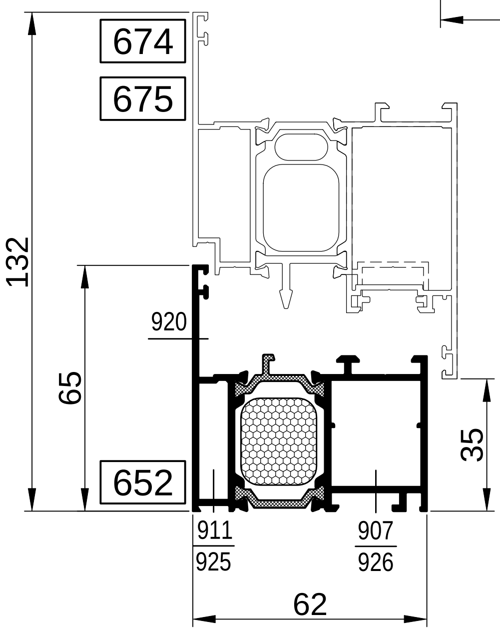
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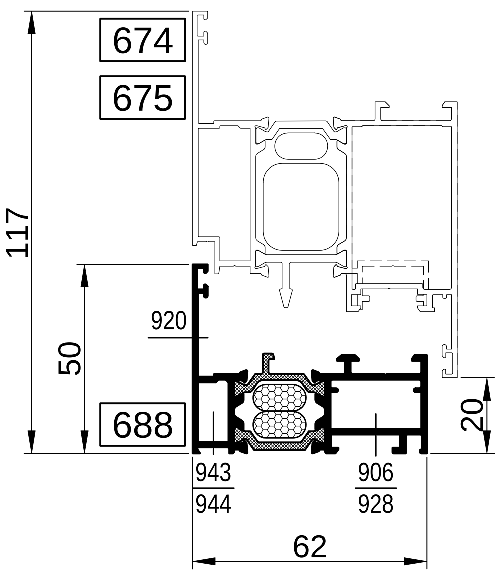
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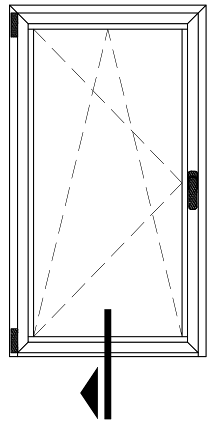

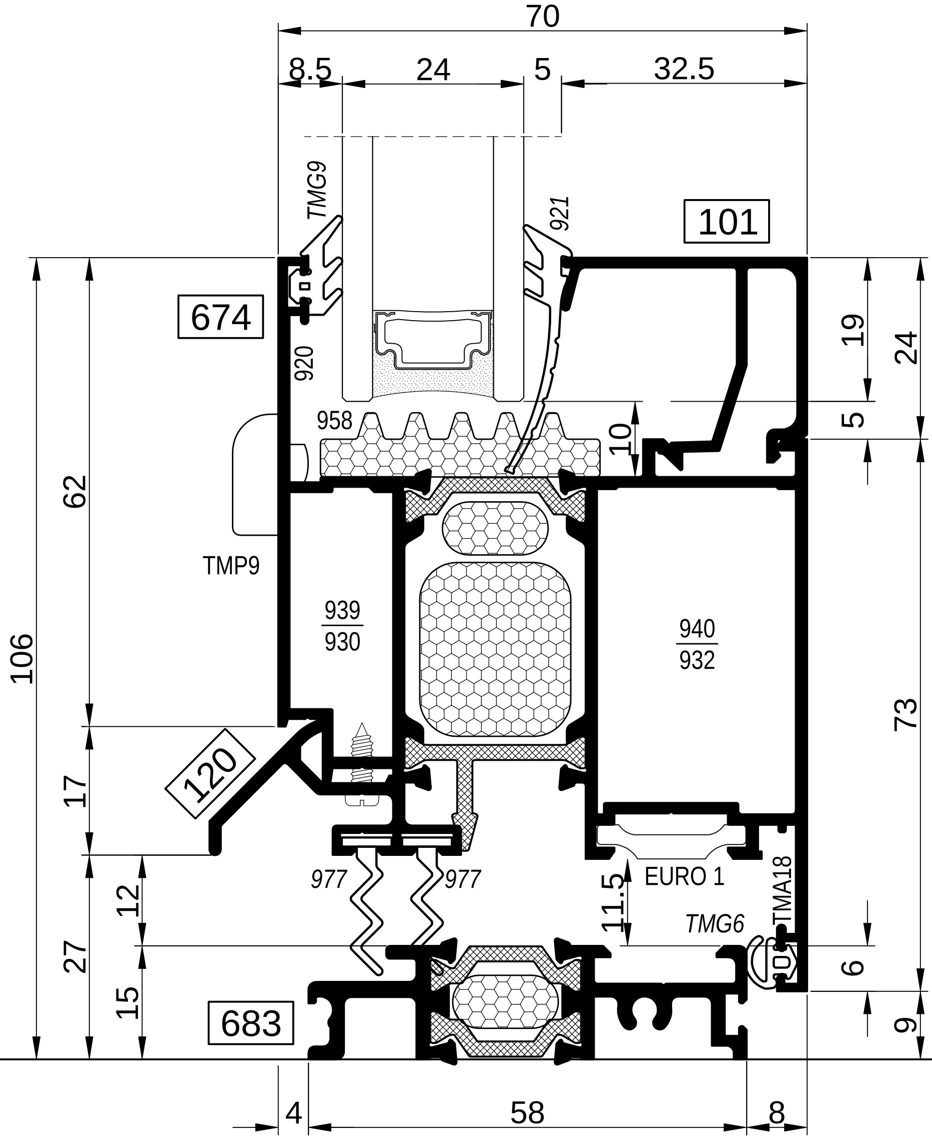
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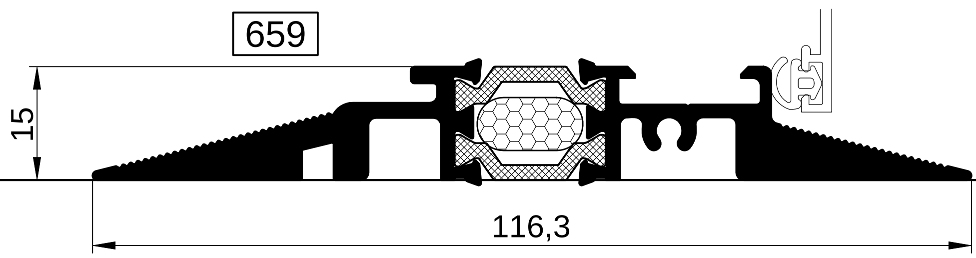
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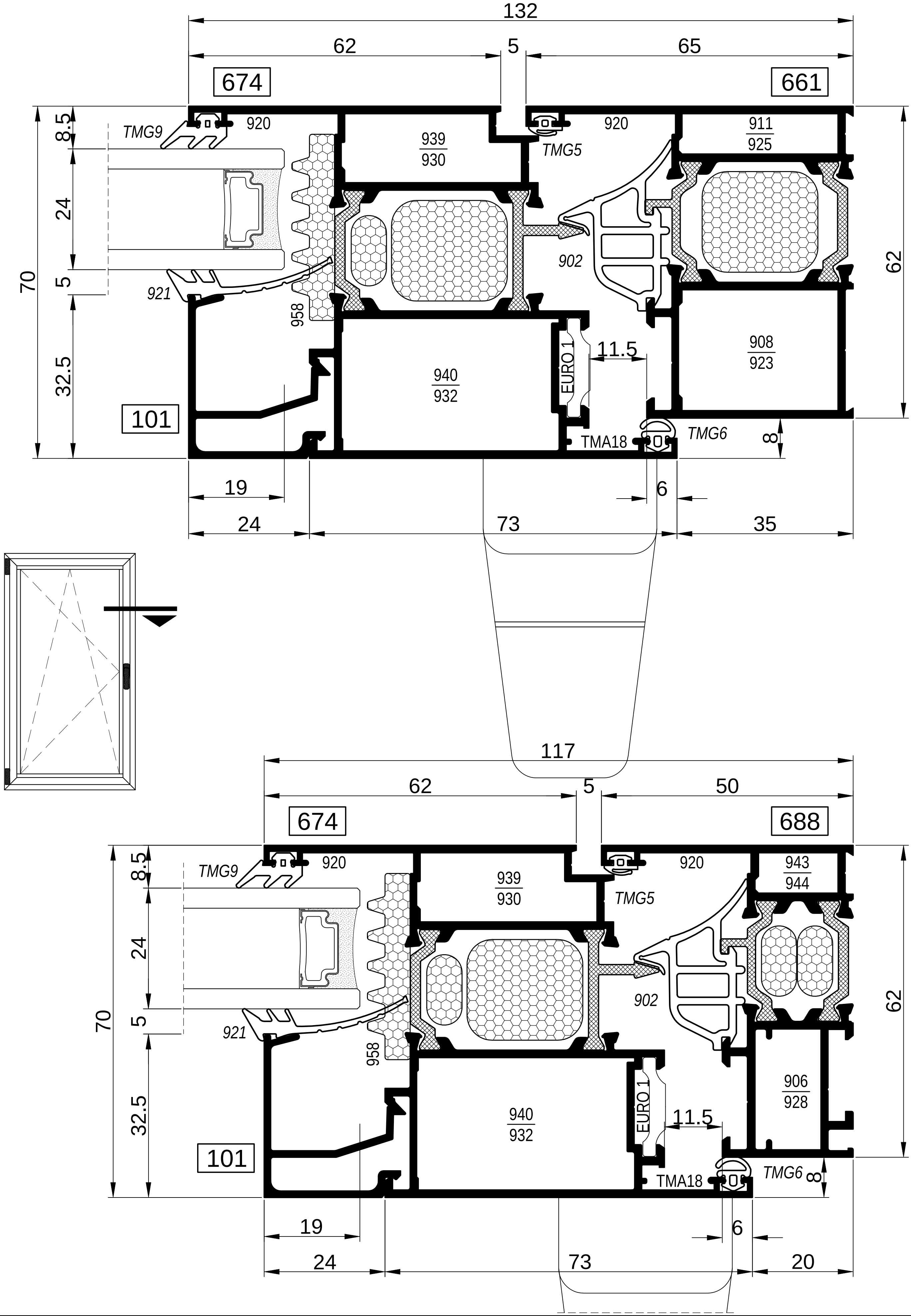
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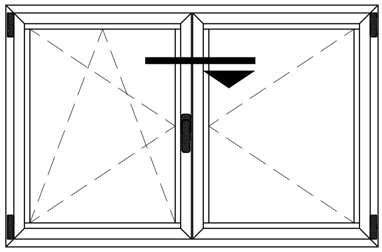

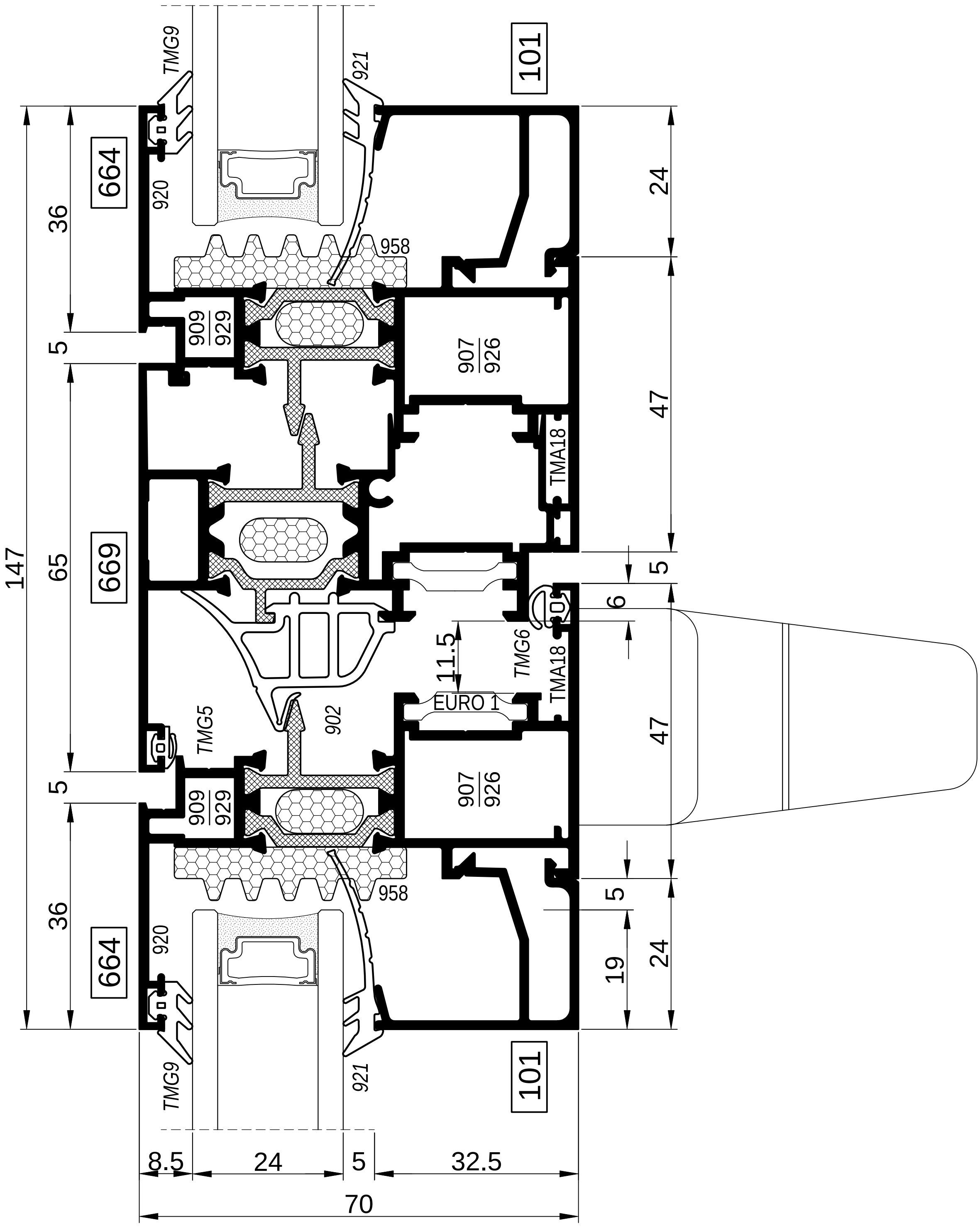
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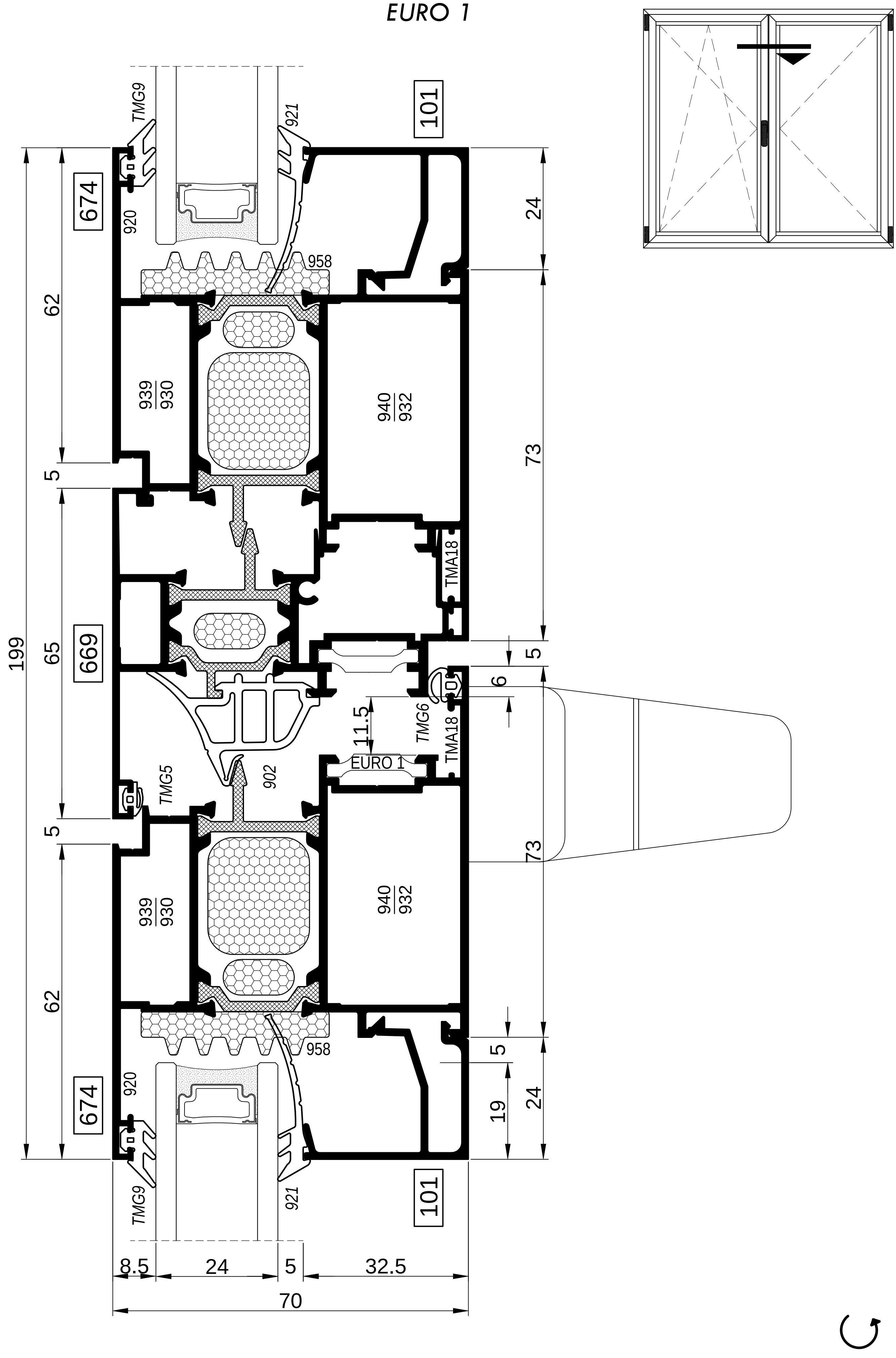
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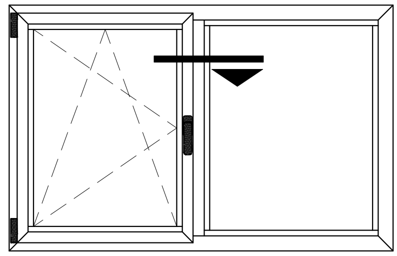

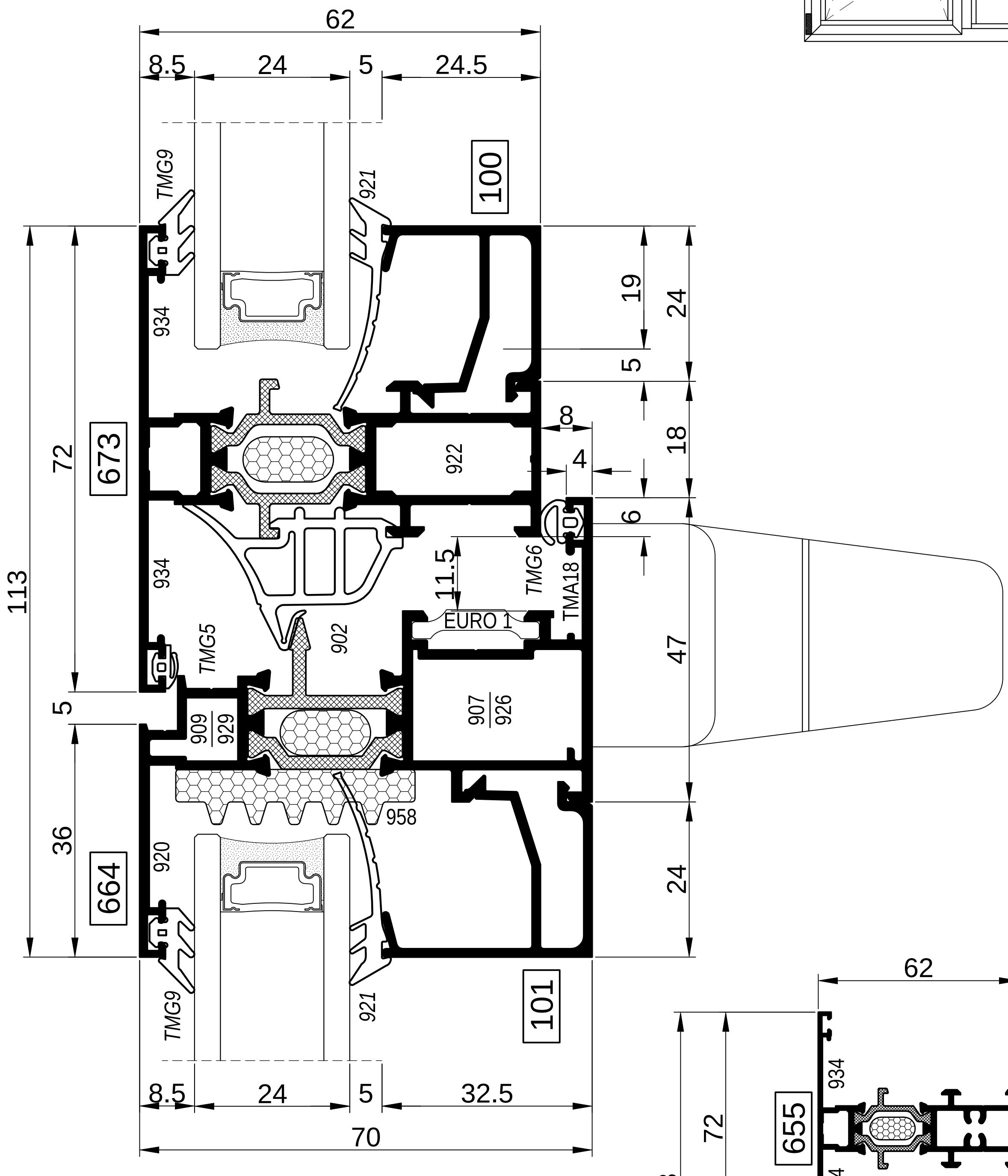
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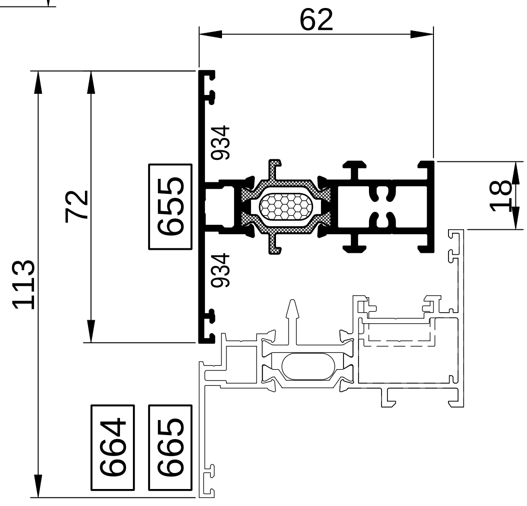
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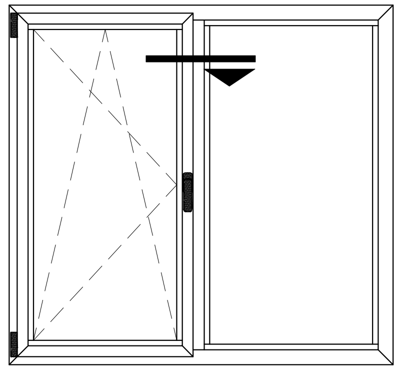

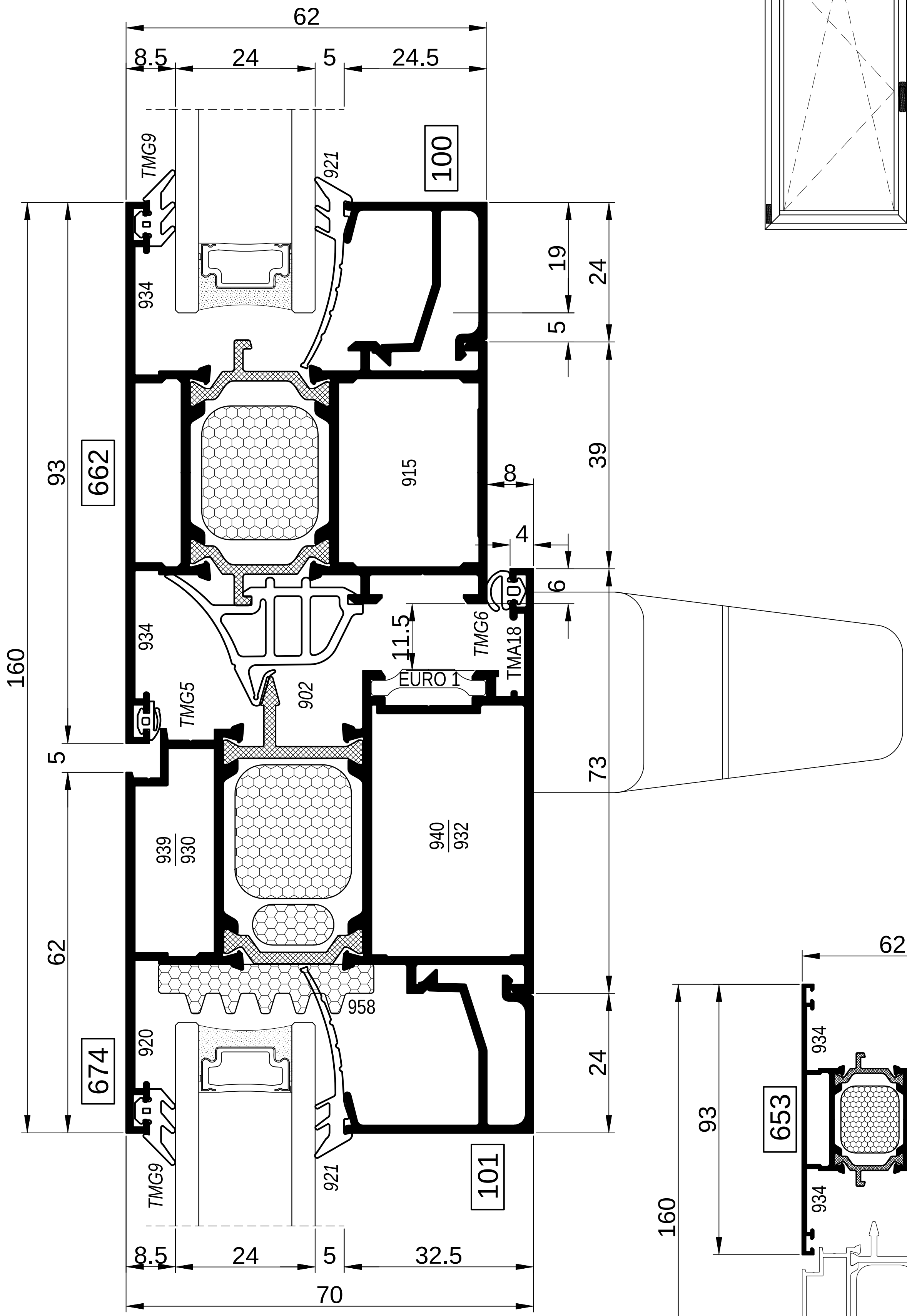
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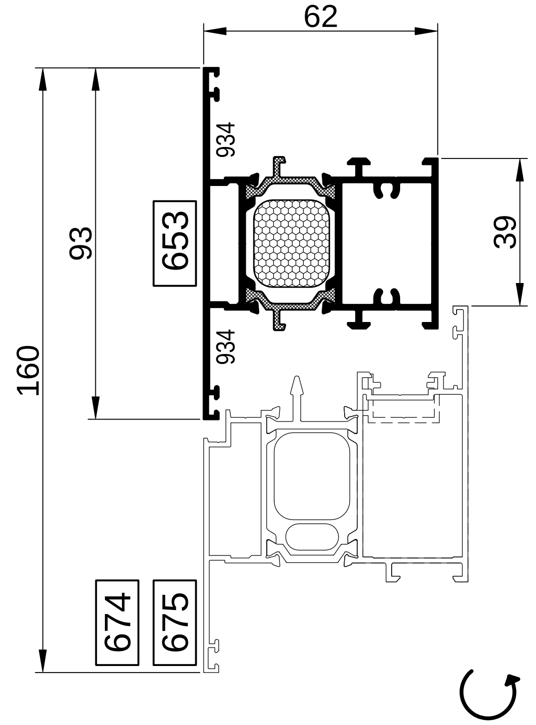
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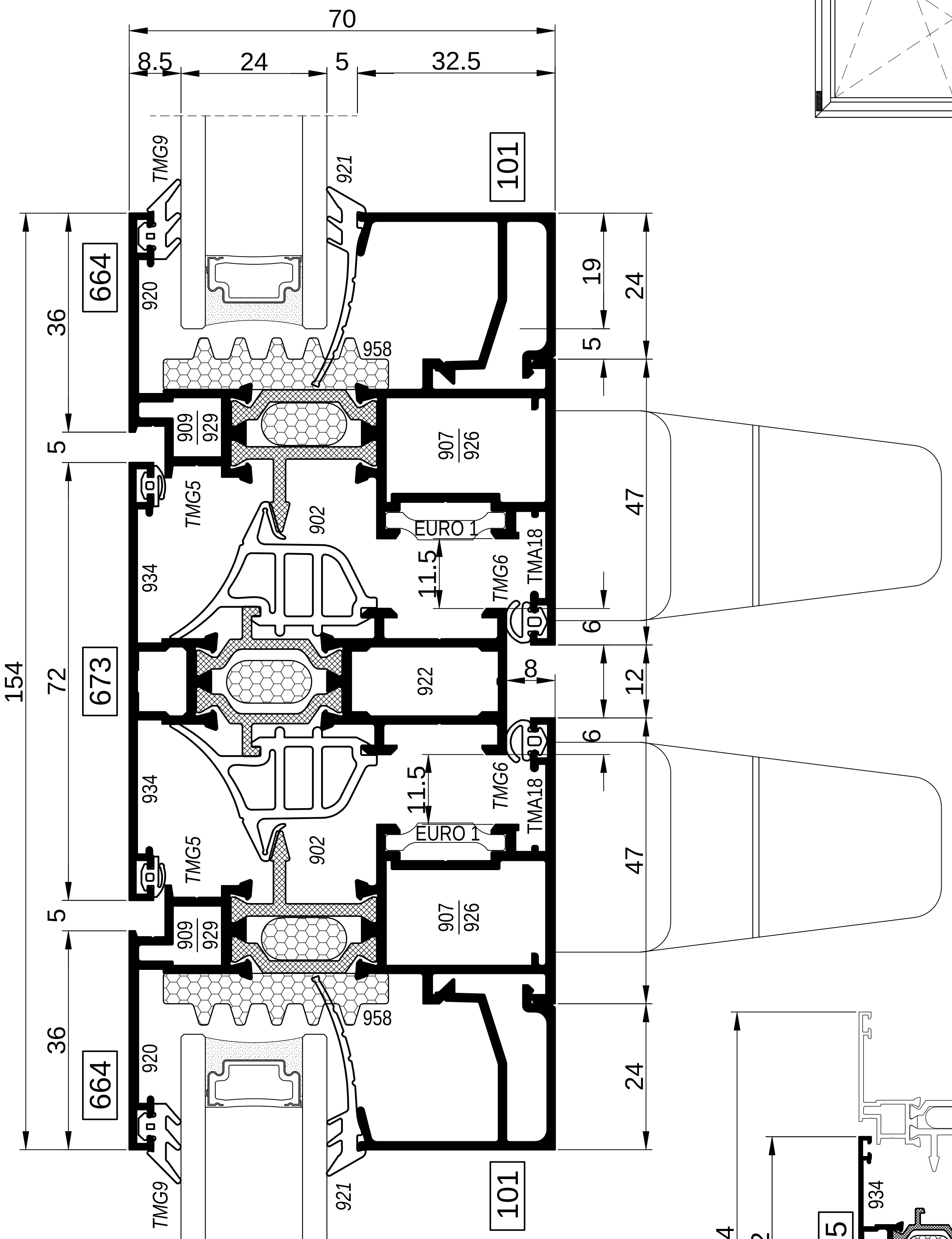
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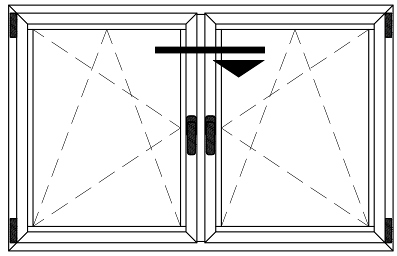

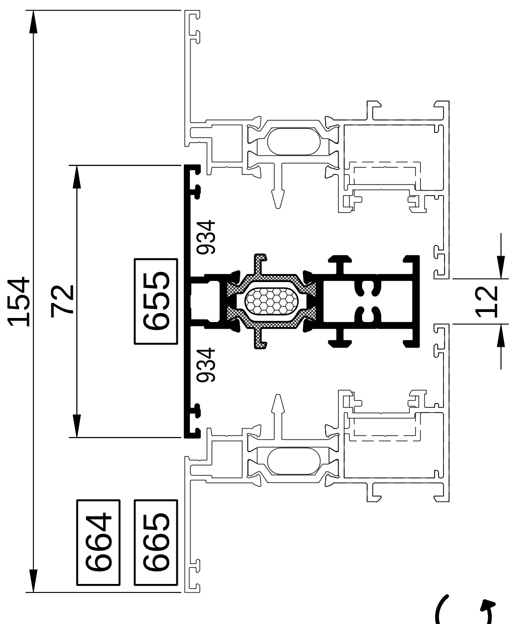
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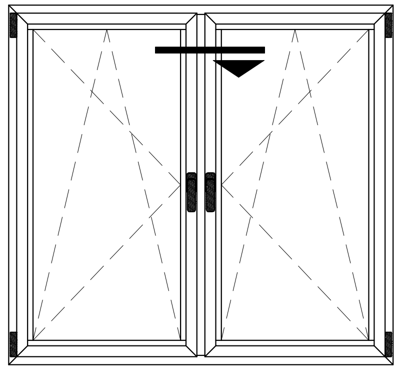

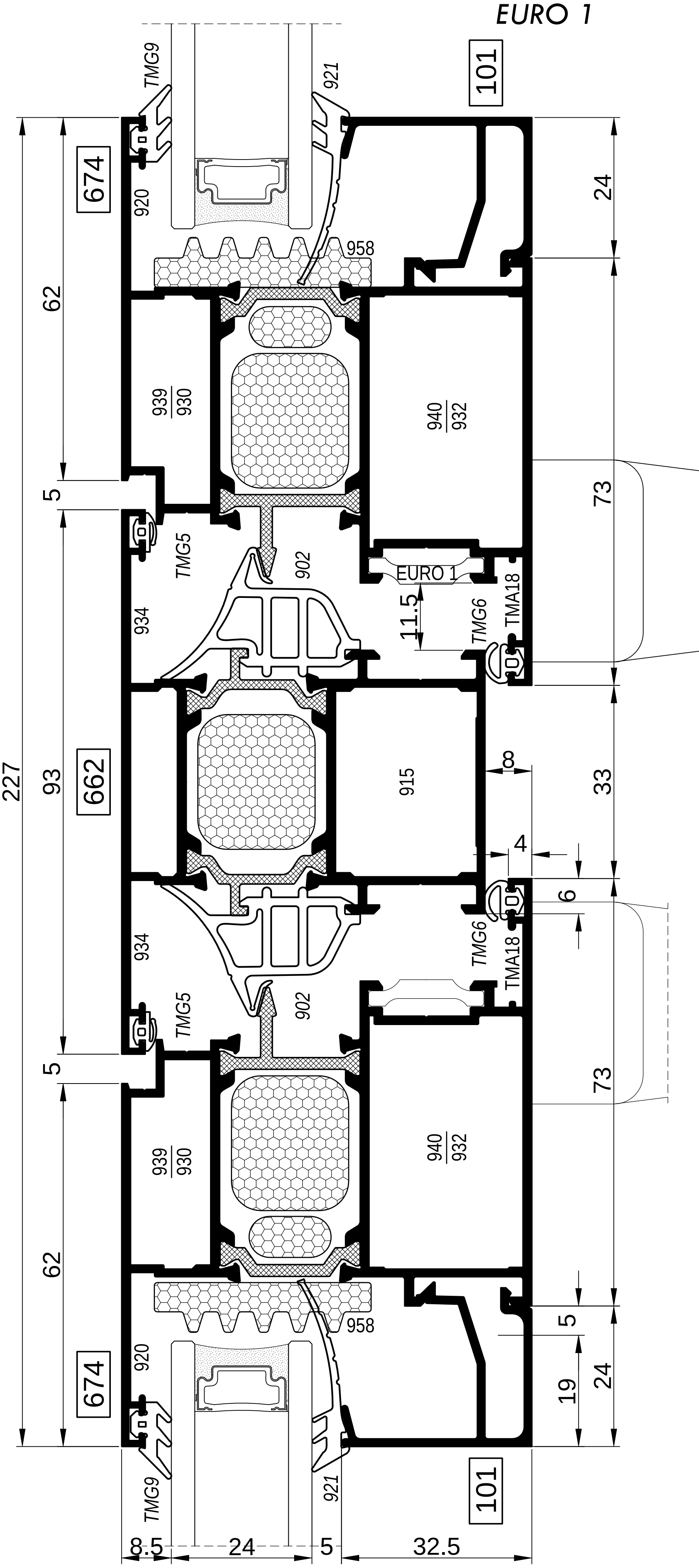
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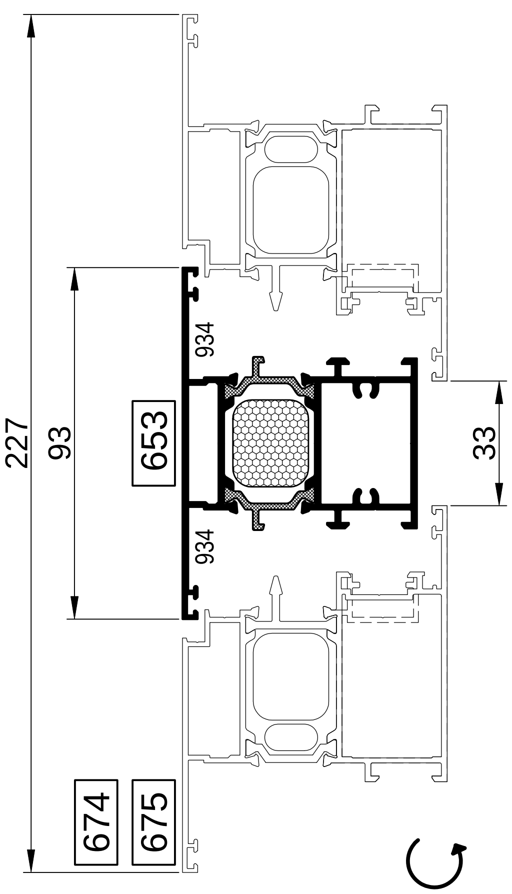
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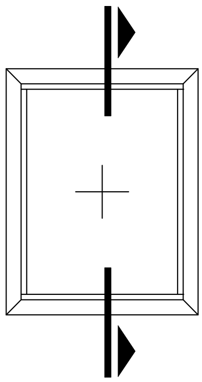

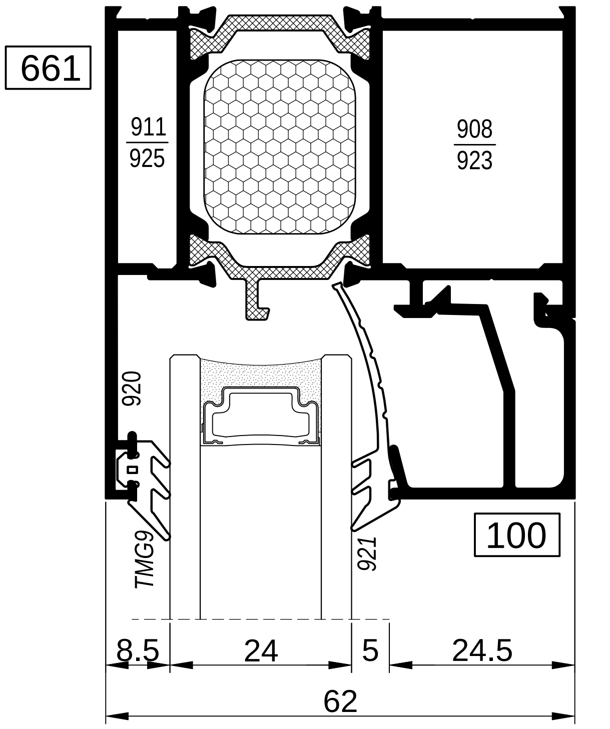
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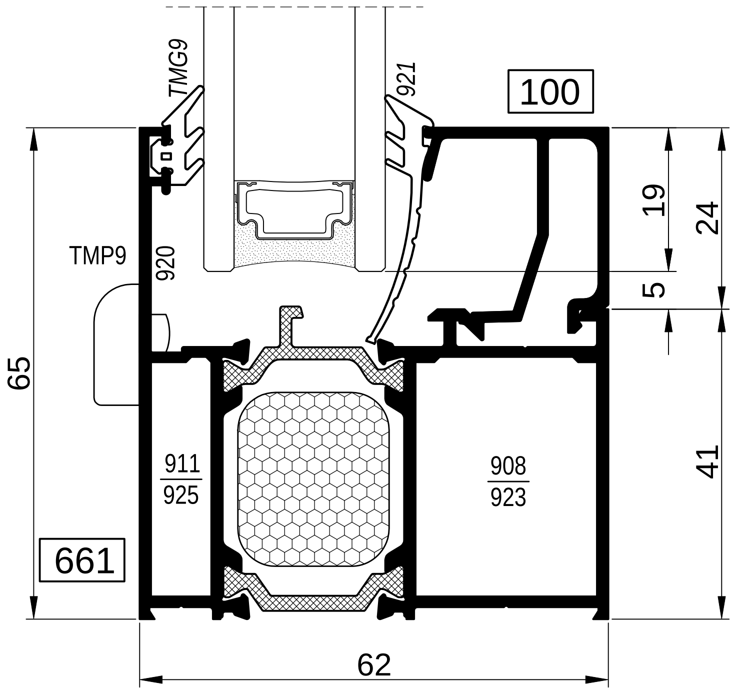
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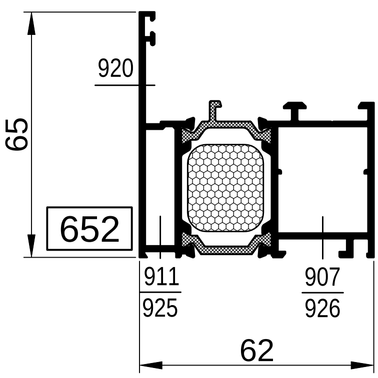
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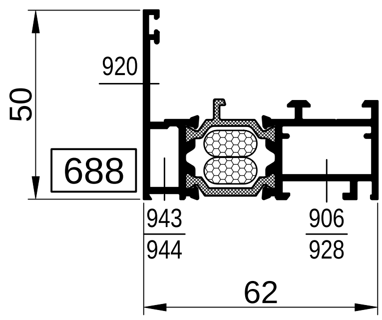
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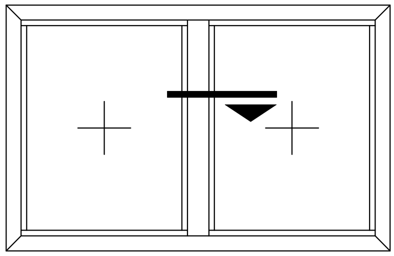

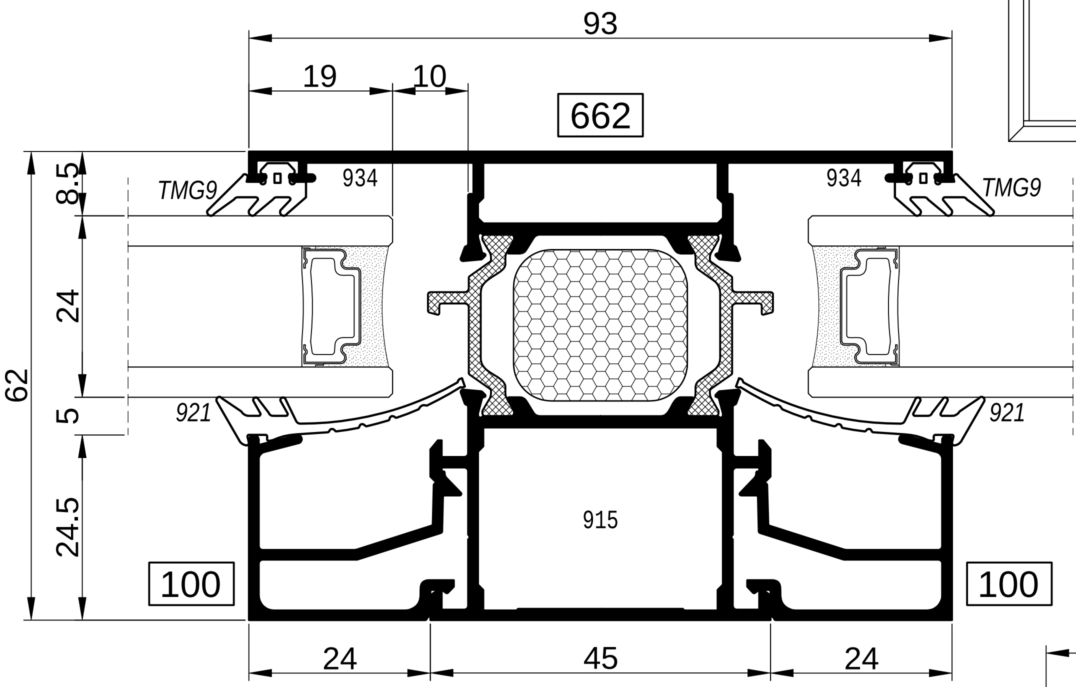
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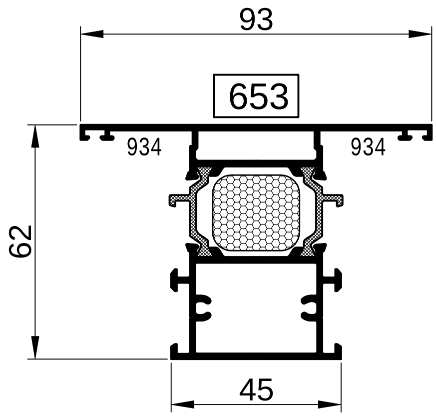
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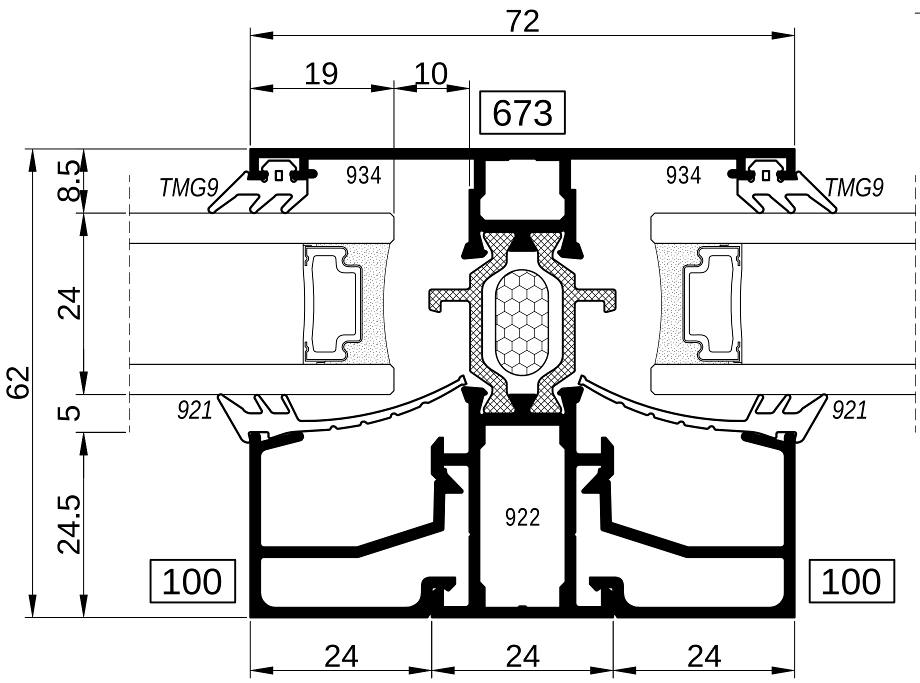
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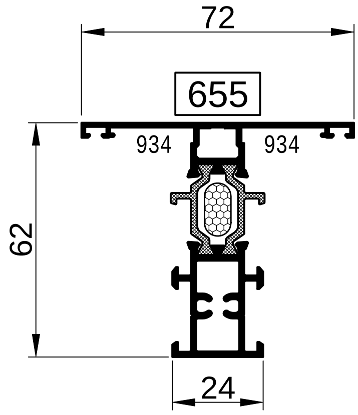
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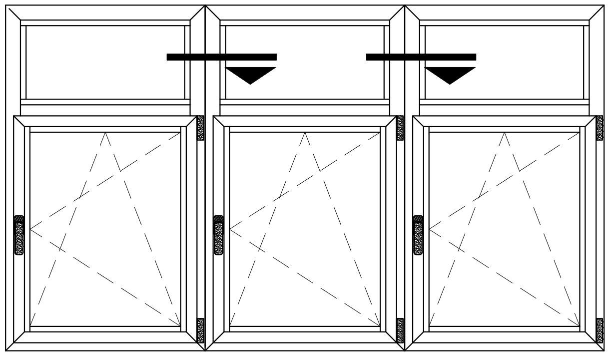

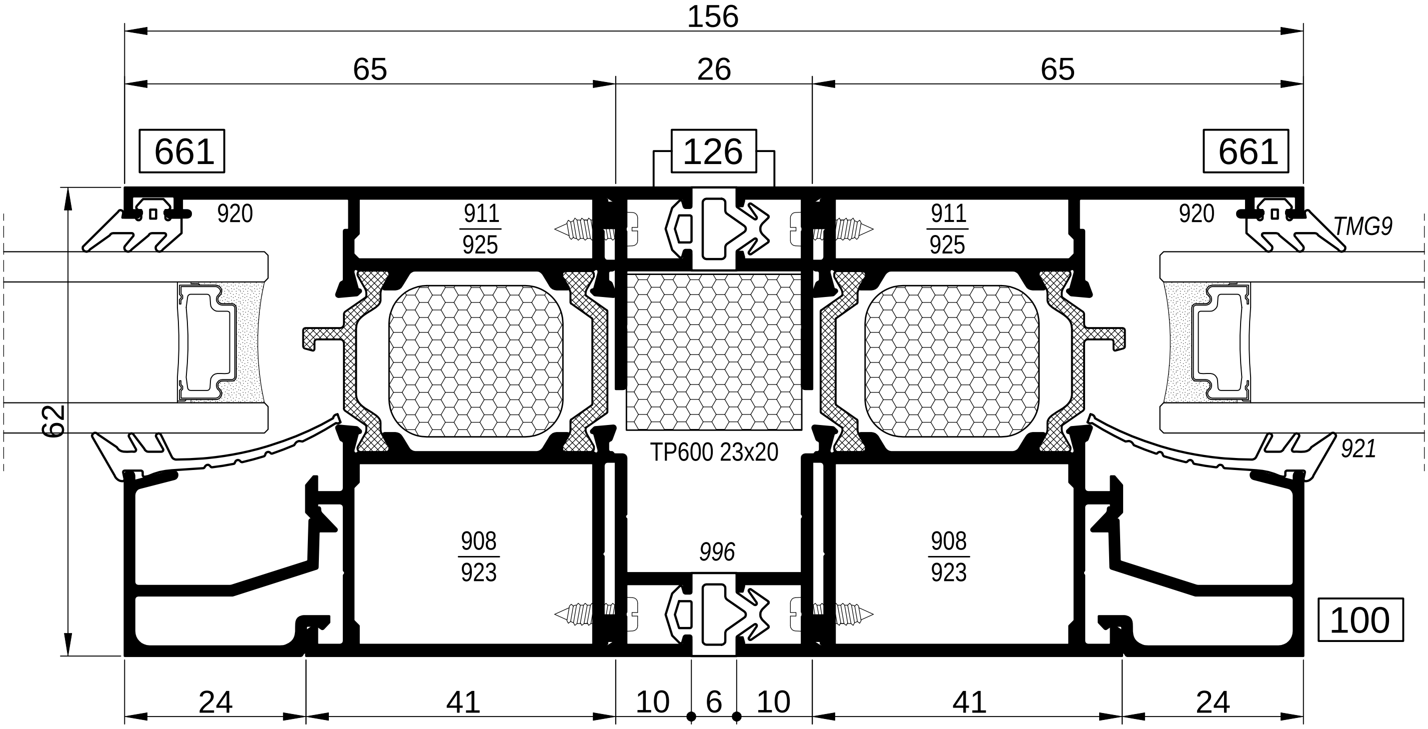
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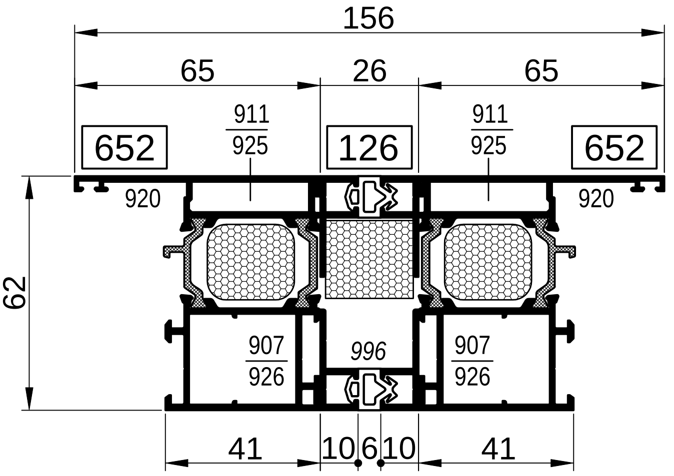
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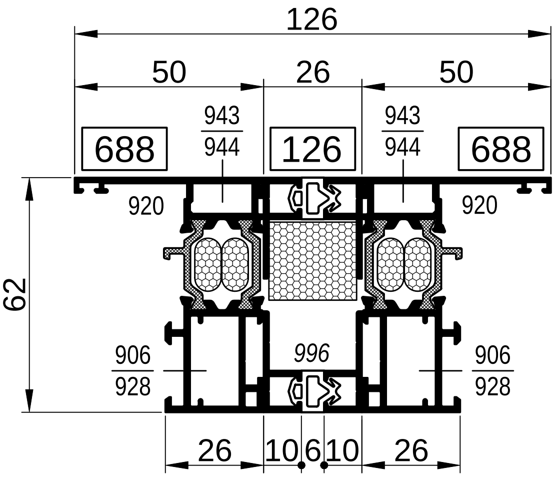
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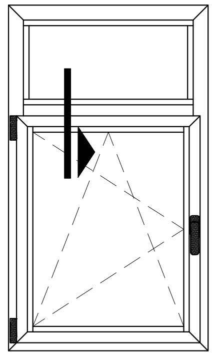
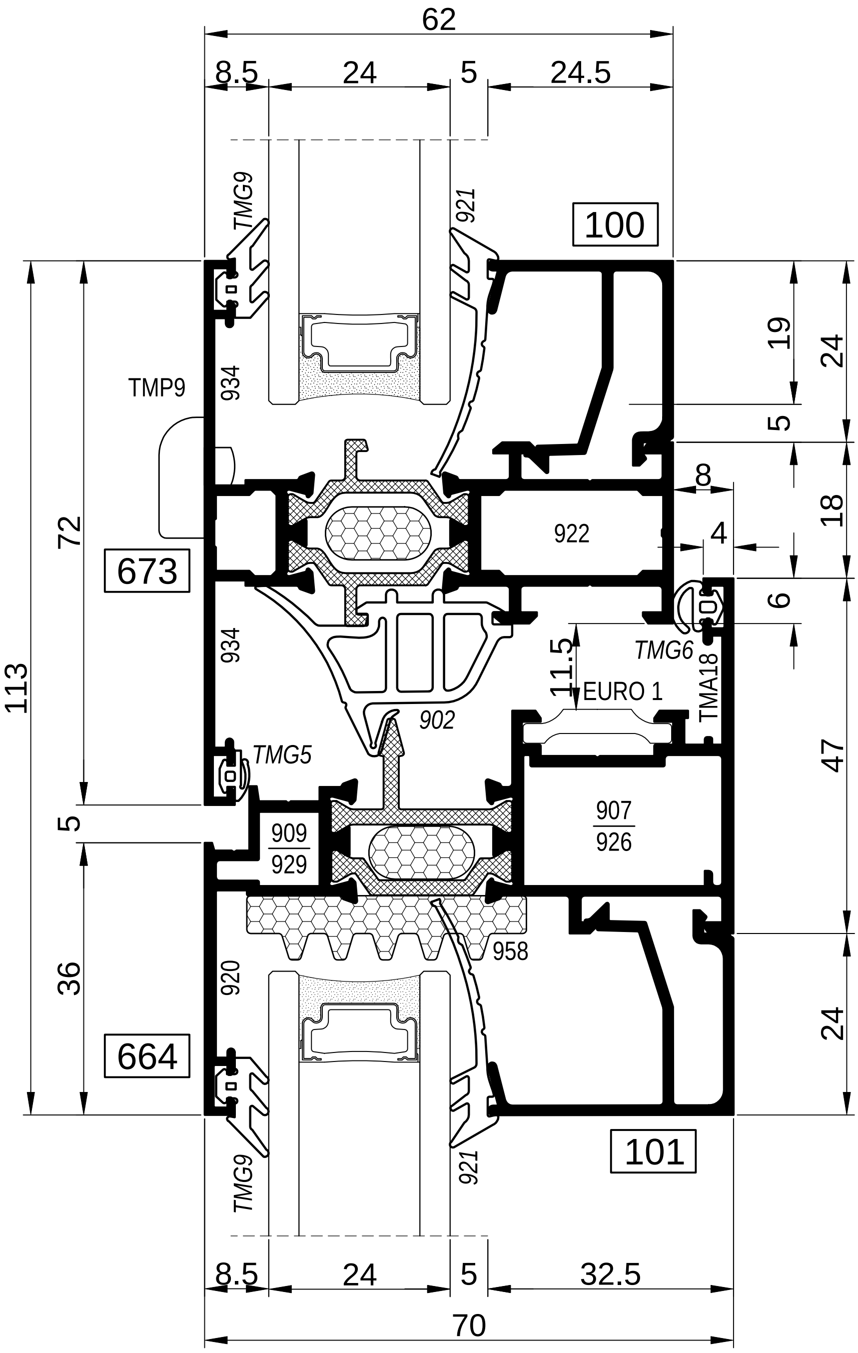
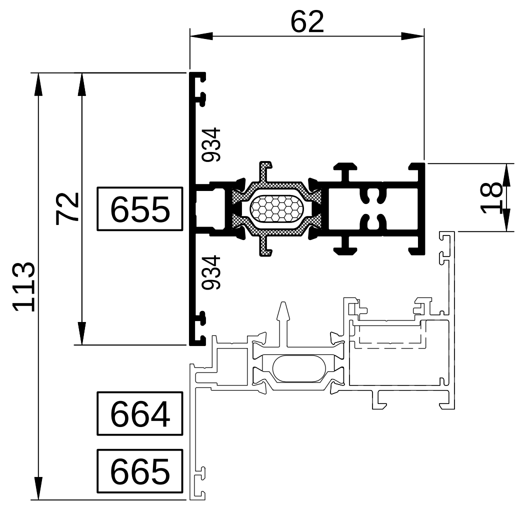
THERM 62

EURO 1







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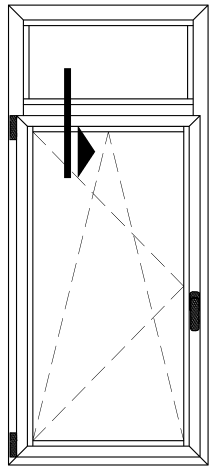

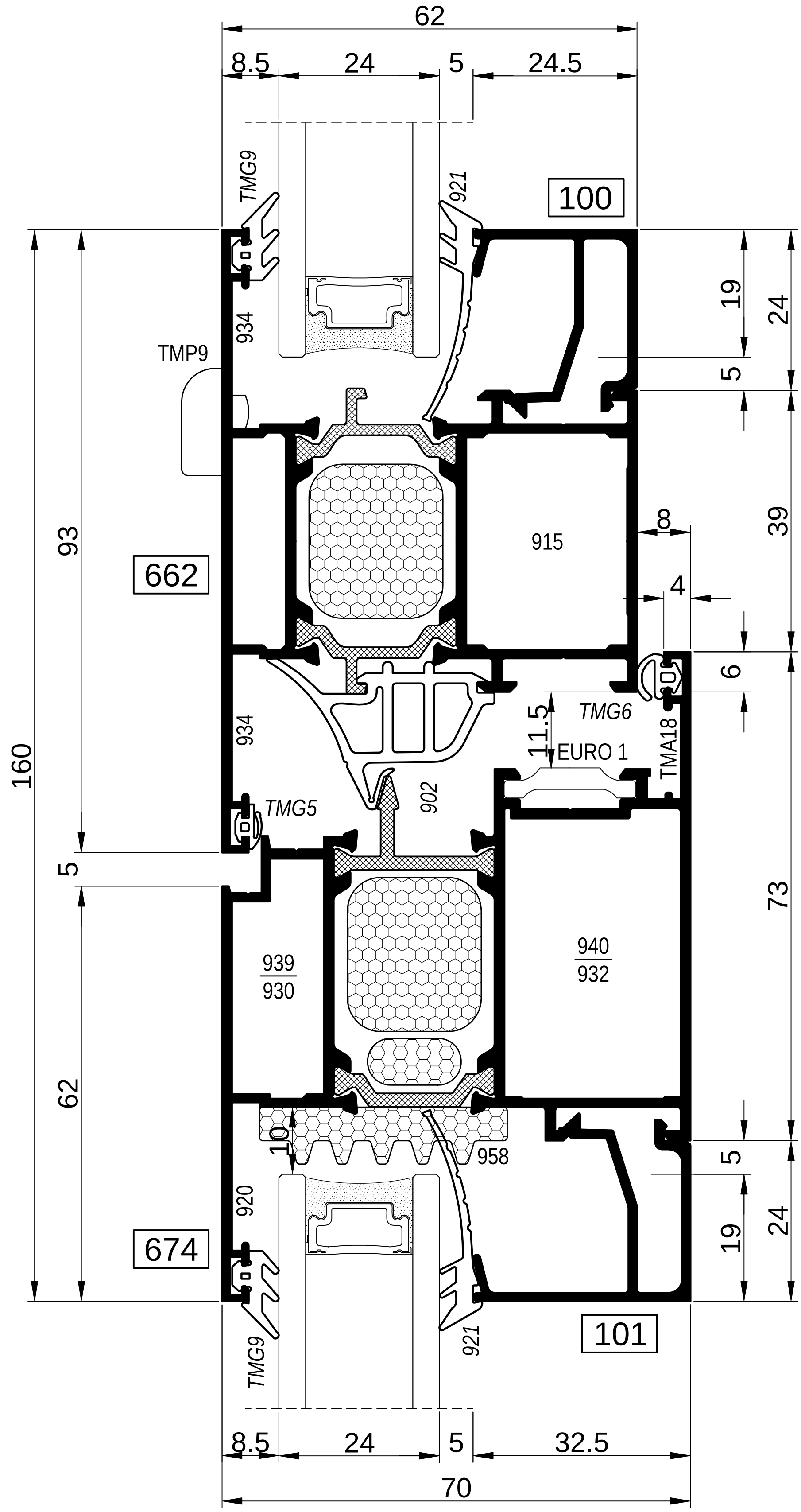
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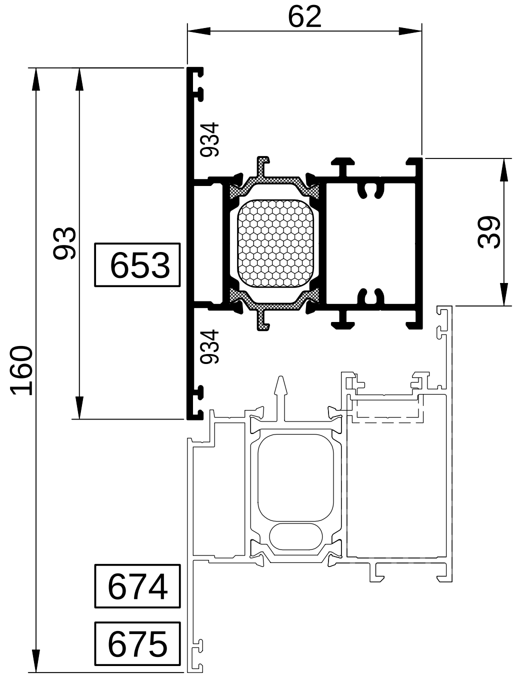
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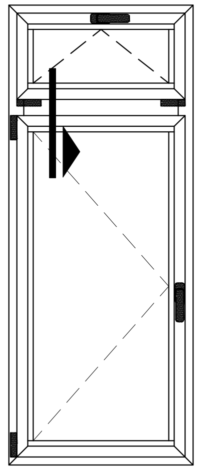

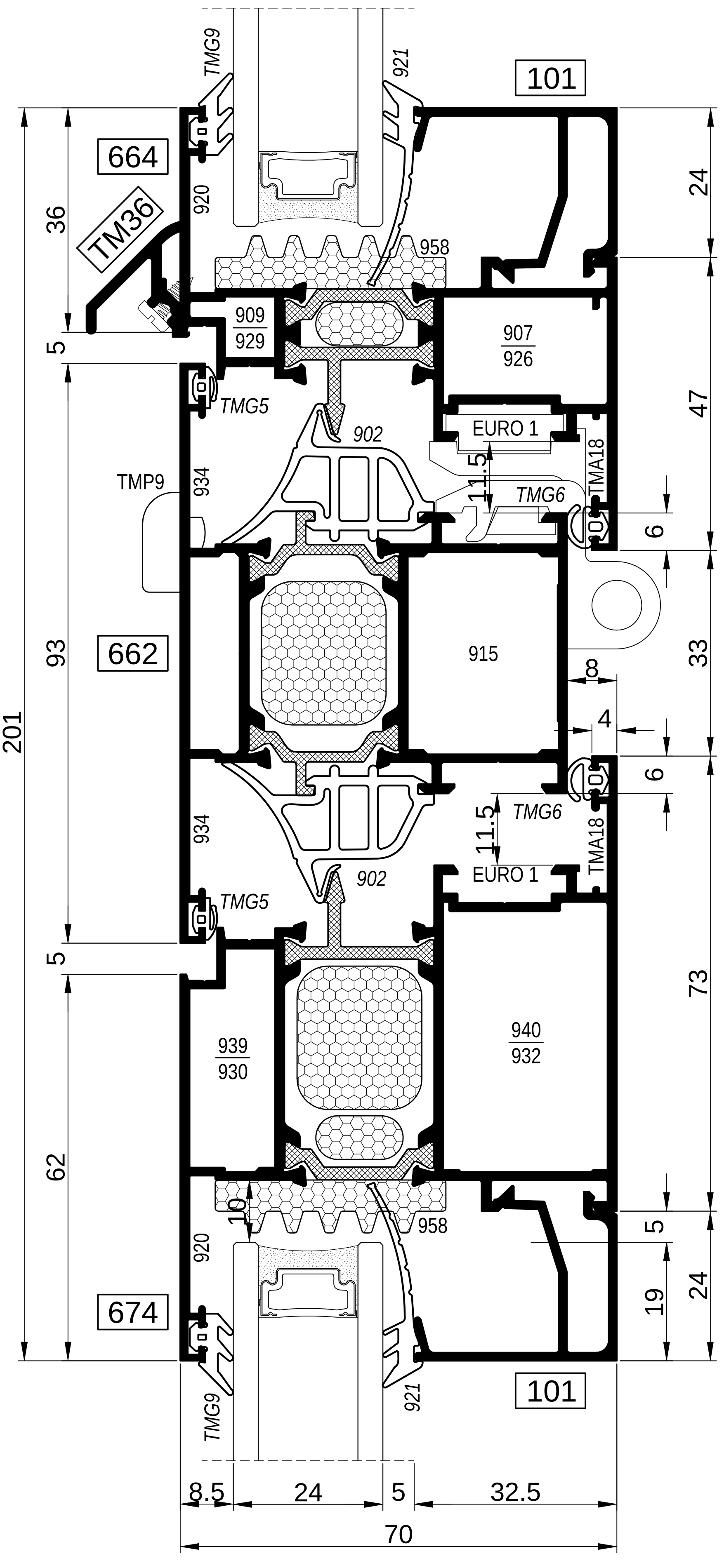
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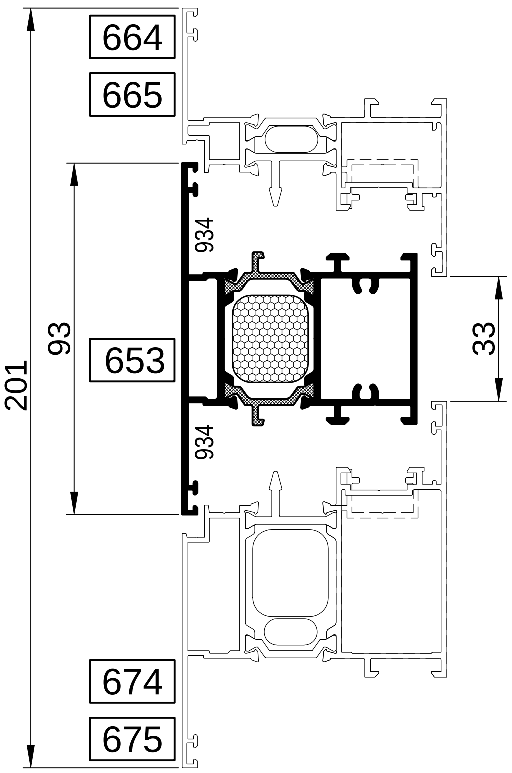
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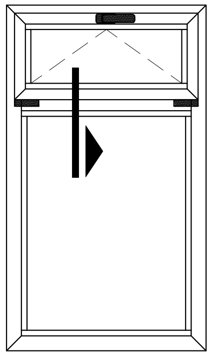

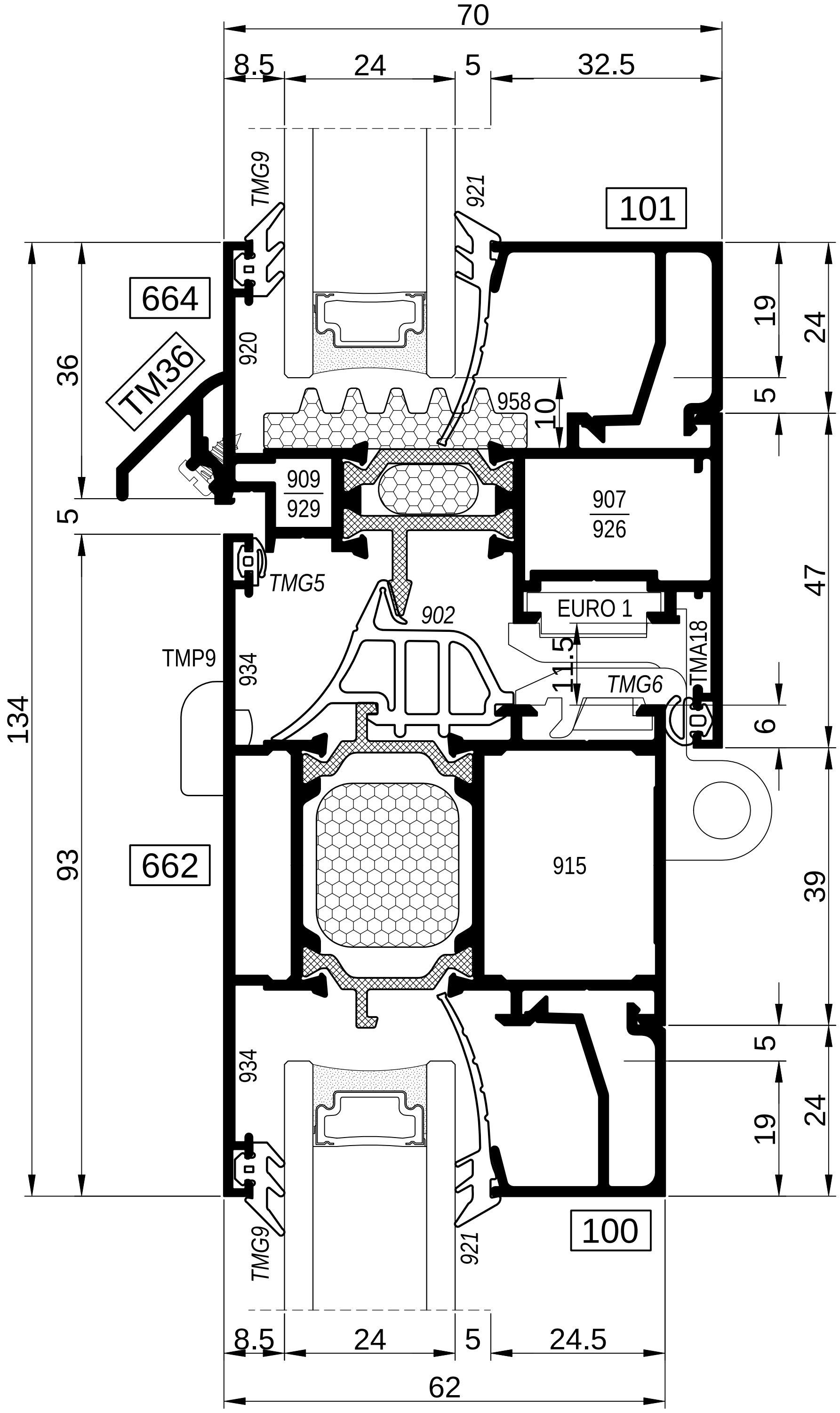
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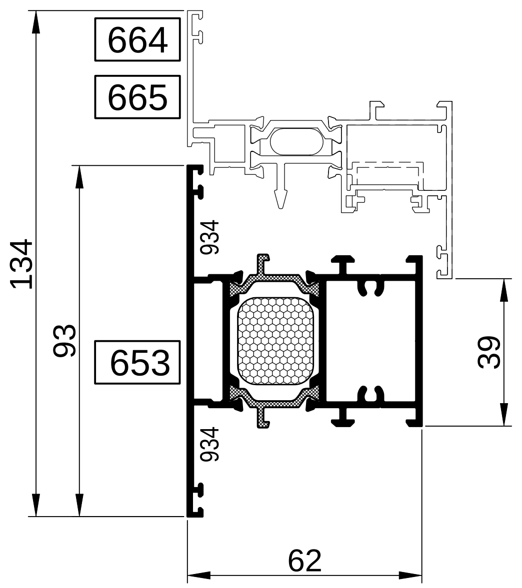
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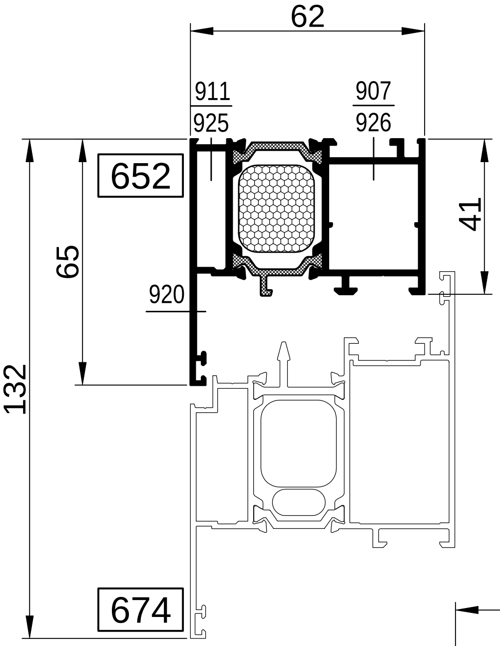
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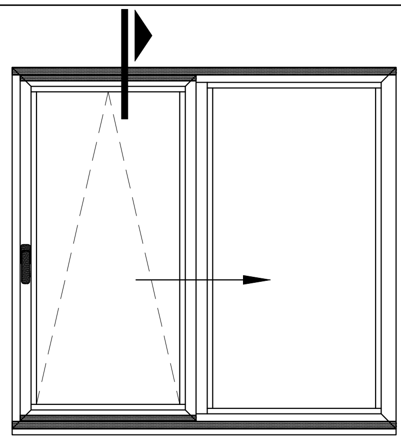

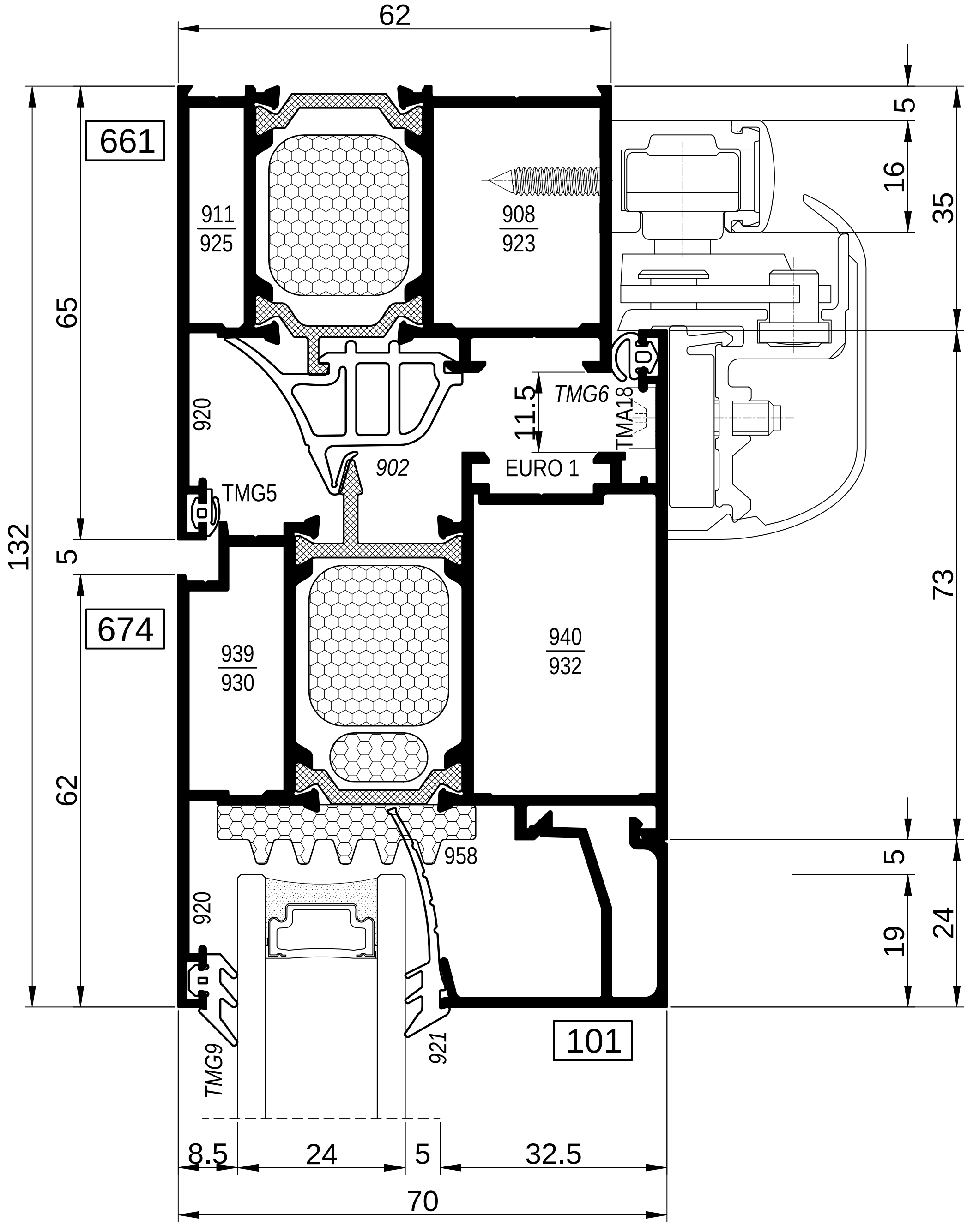
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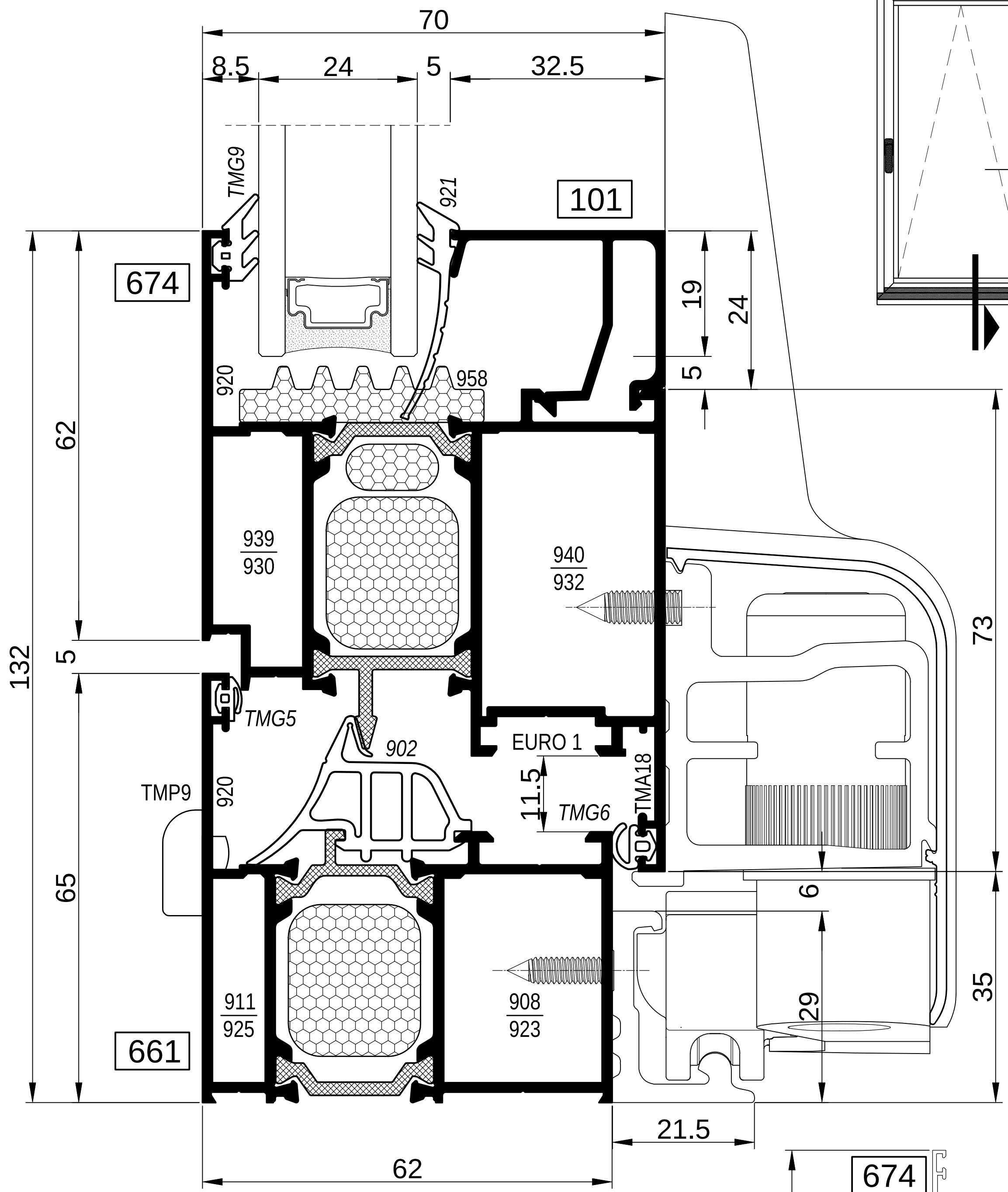
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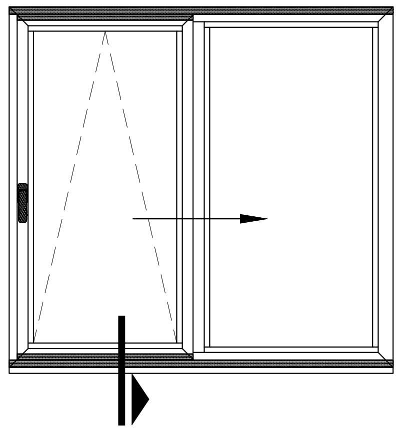

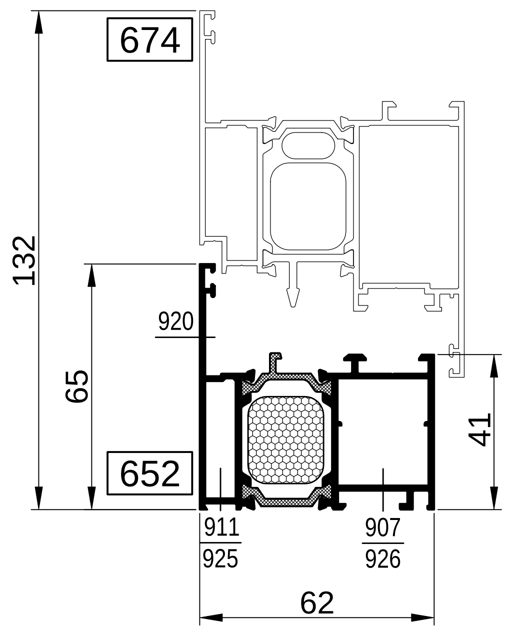
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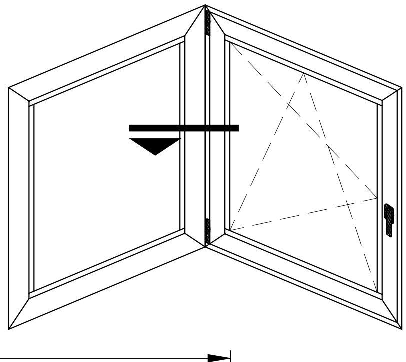

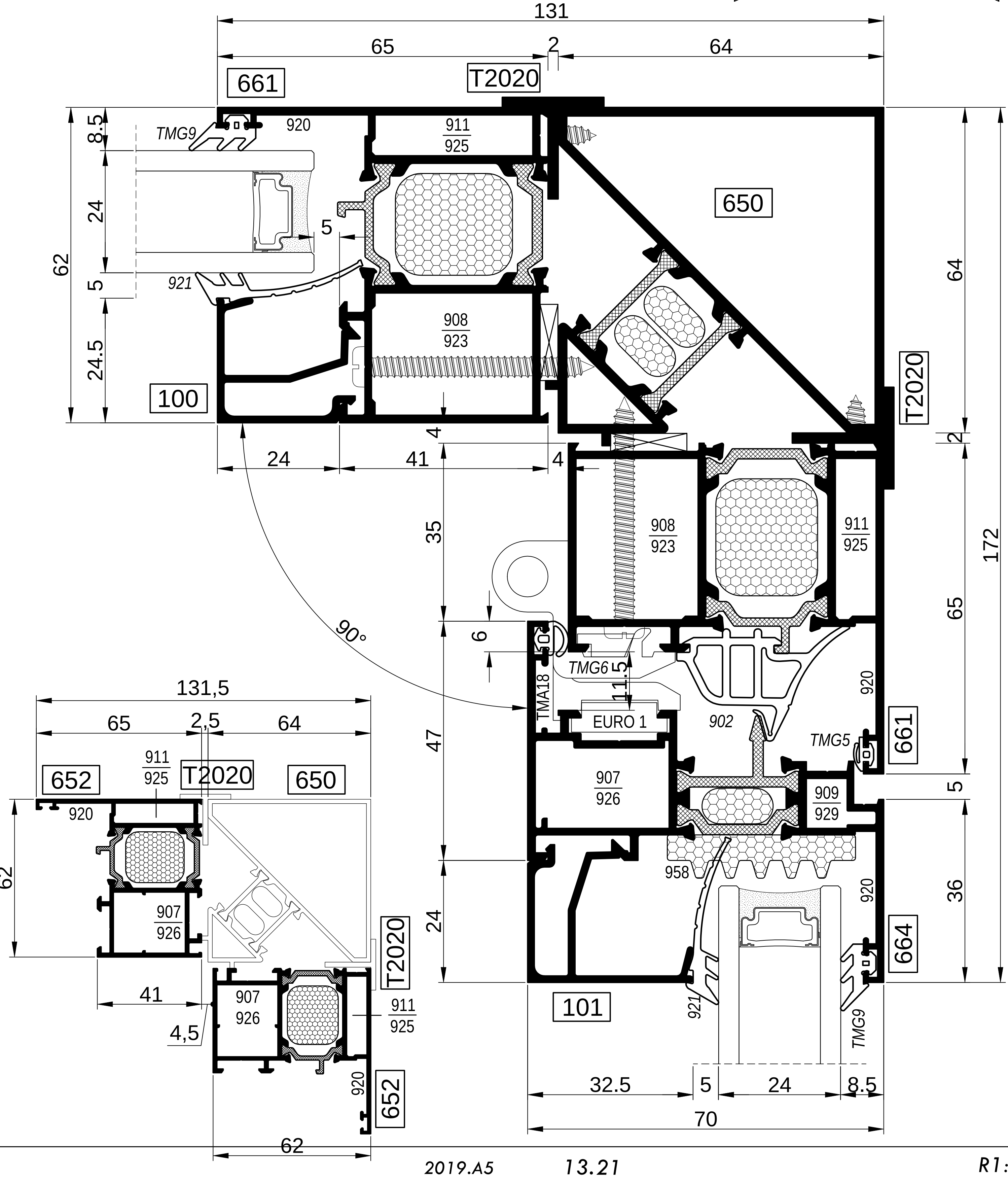
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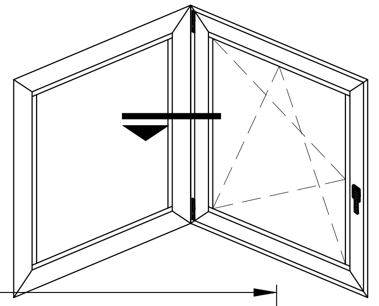

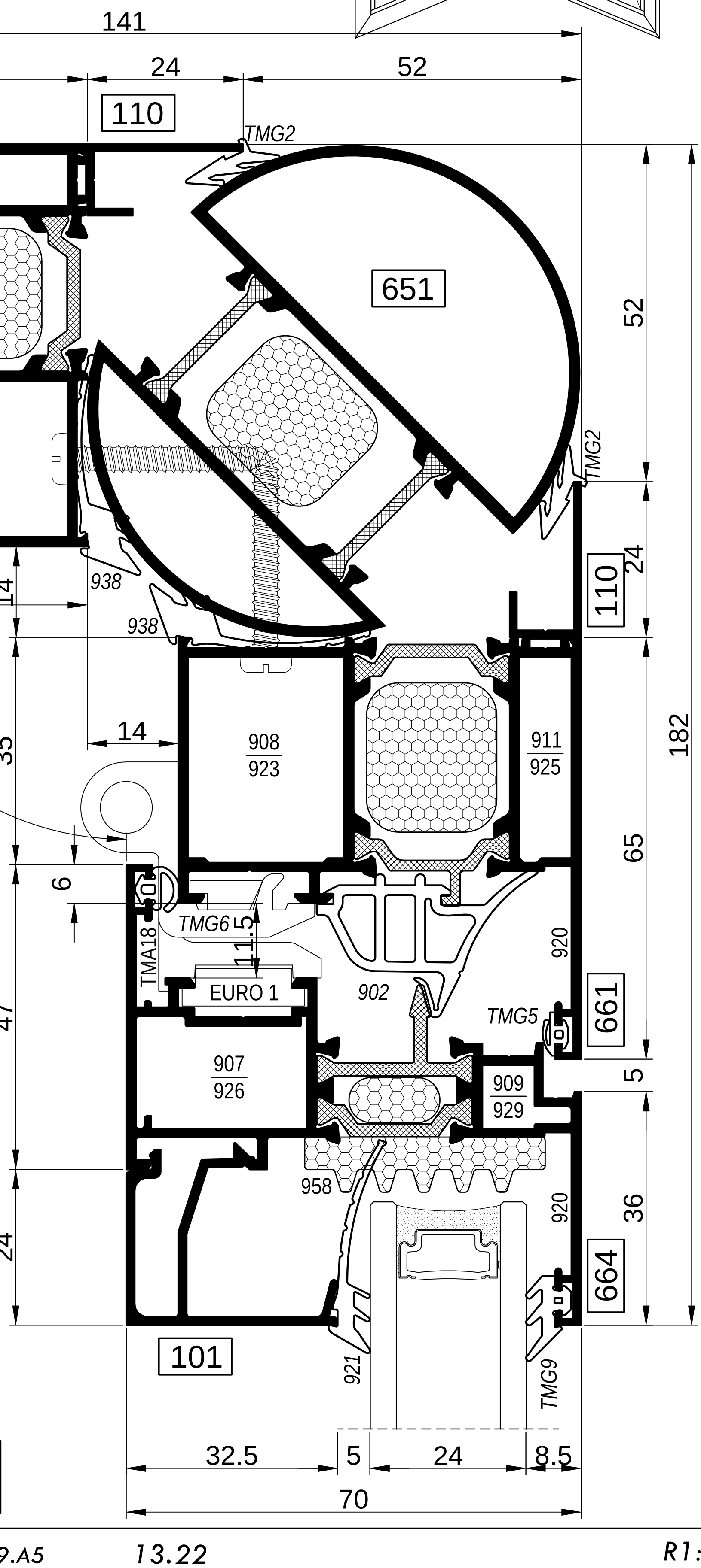
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90° (50°-200°)
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EURO 1
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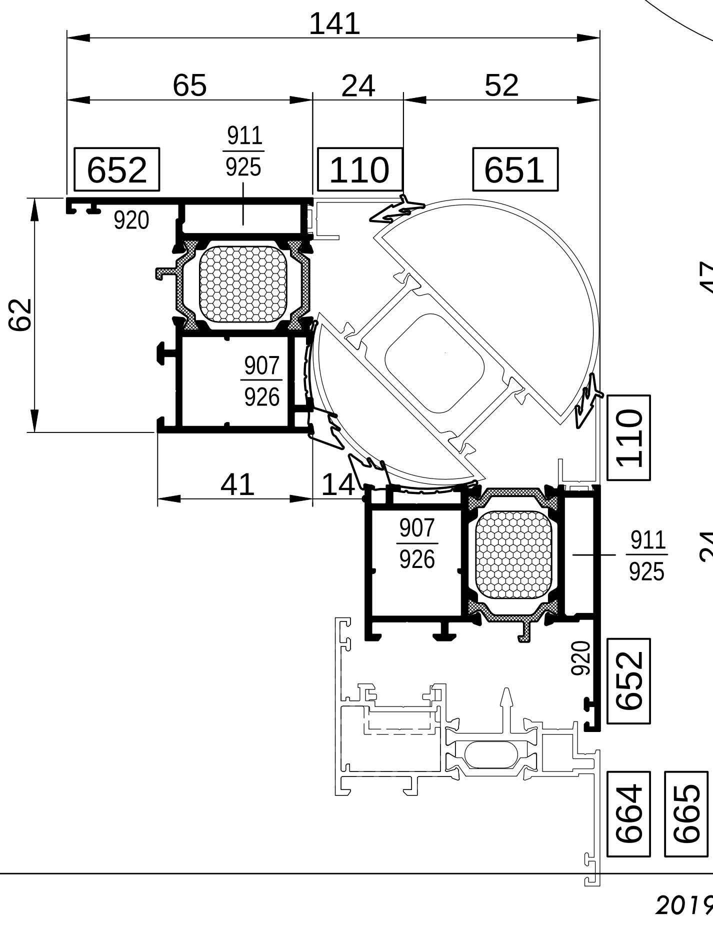
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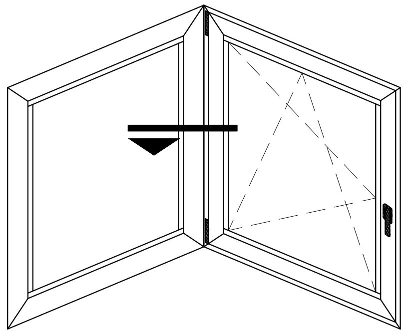

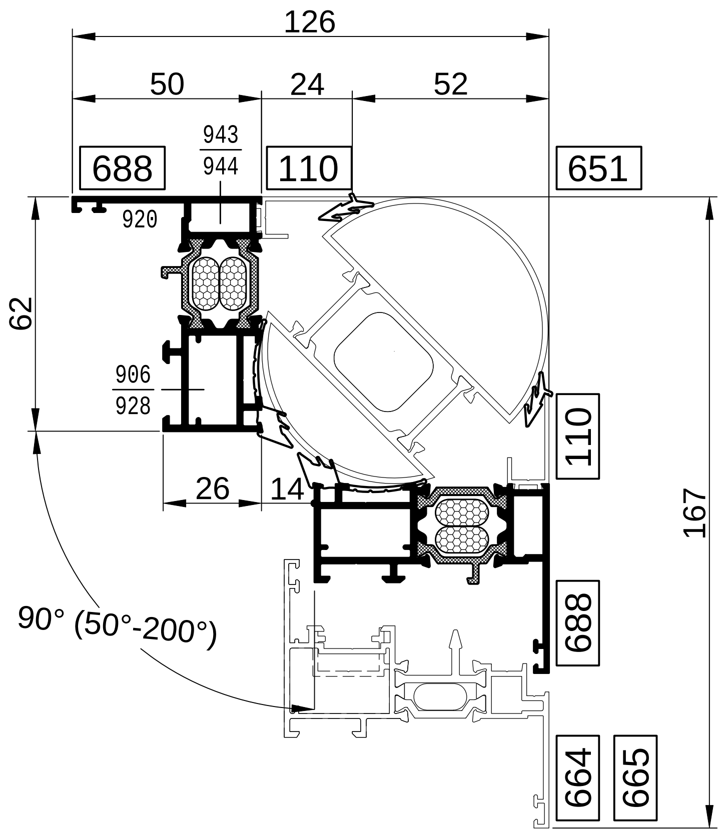
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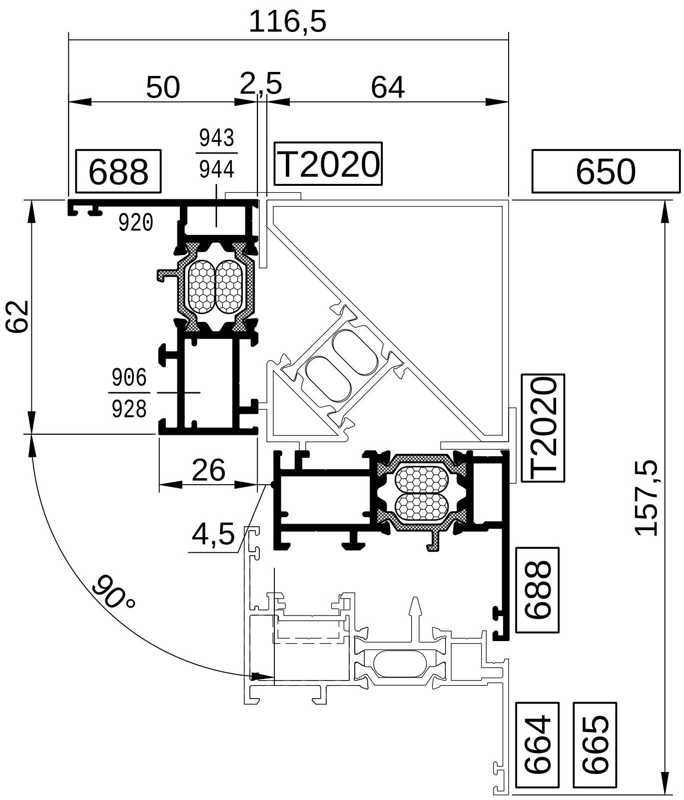
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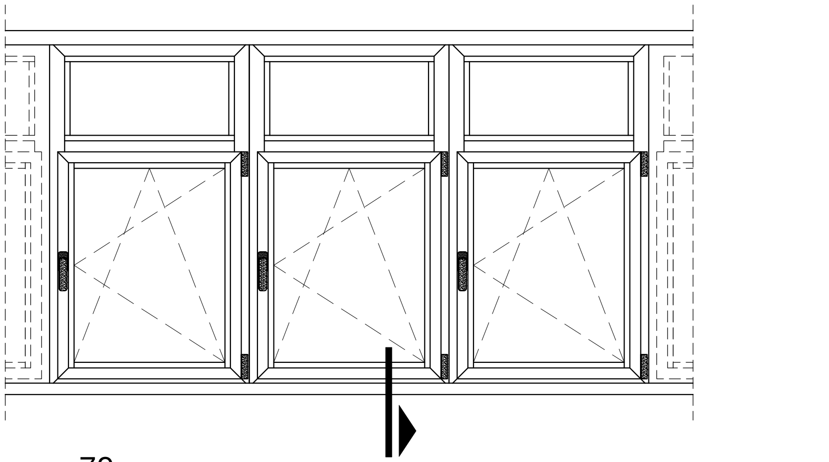

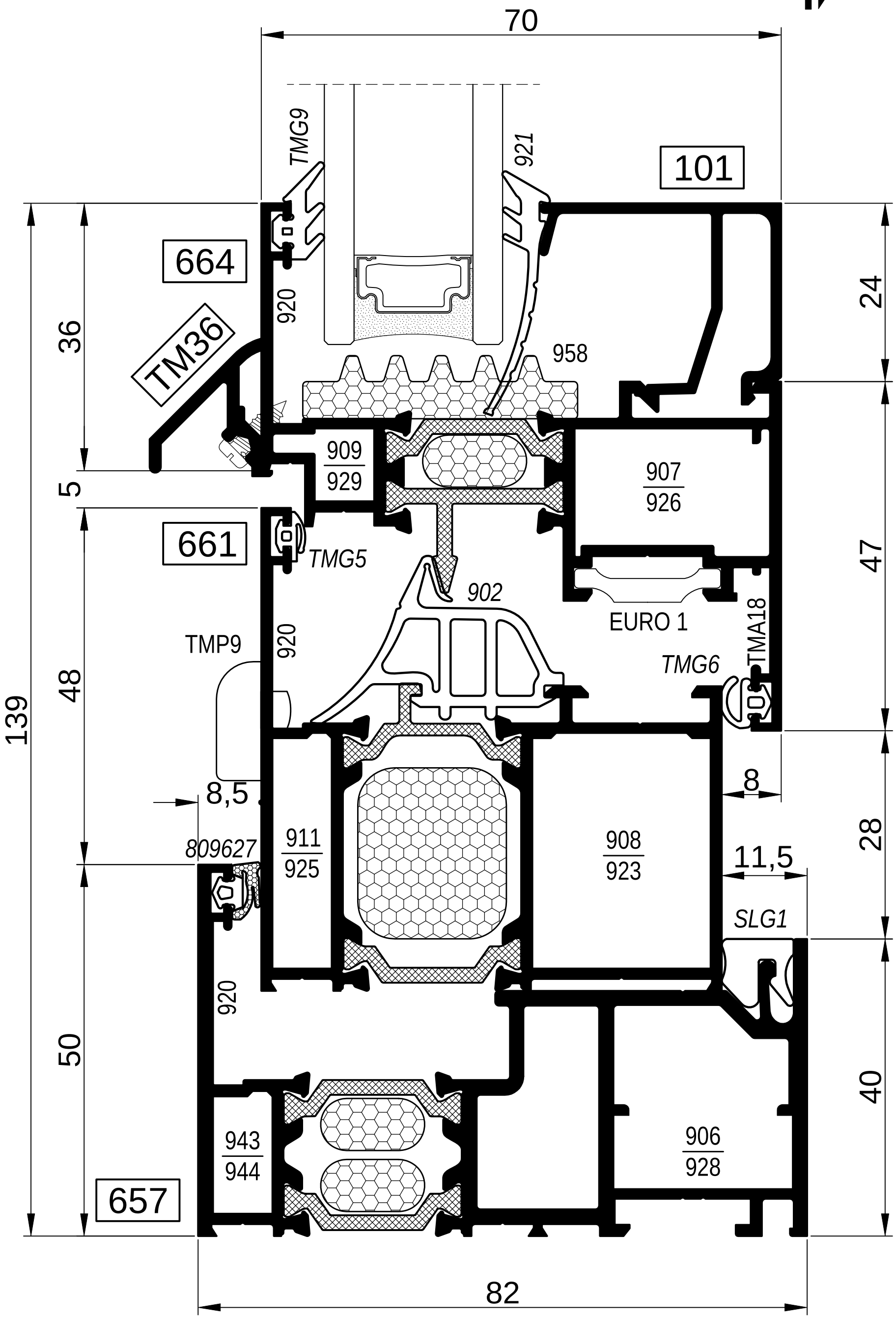
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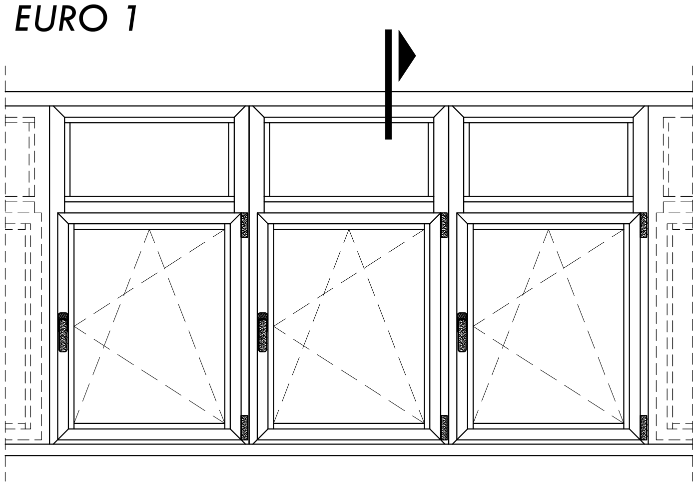

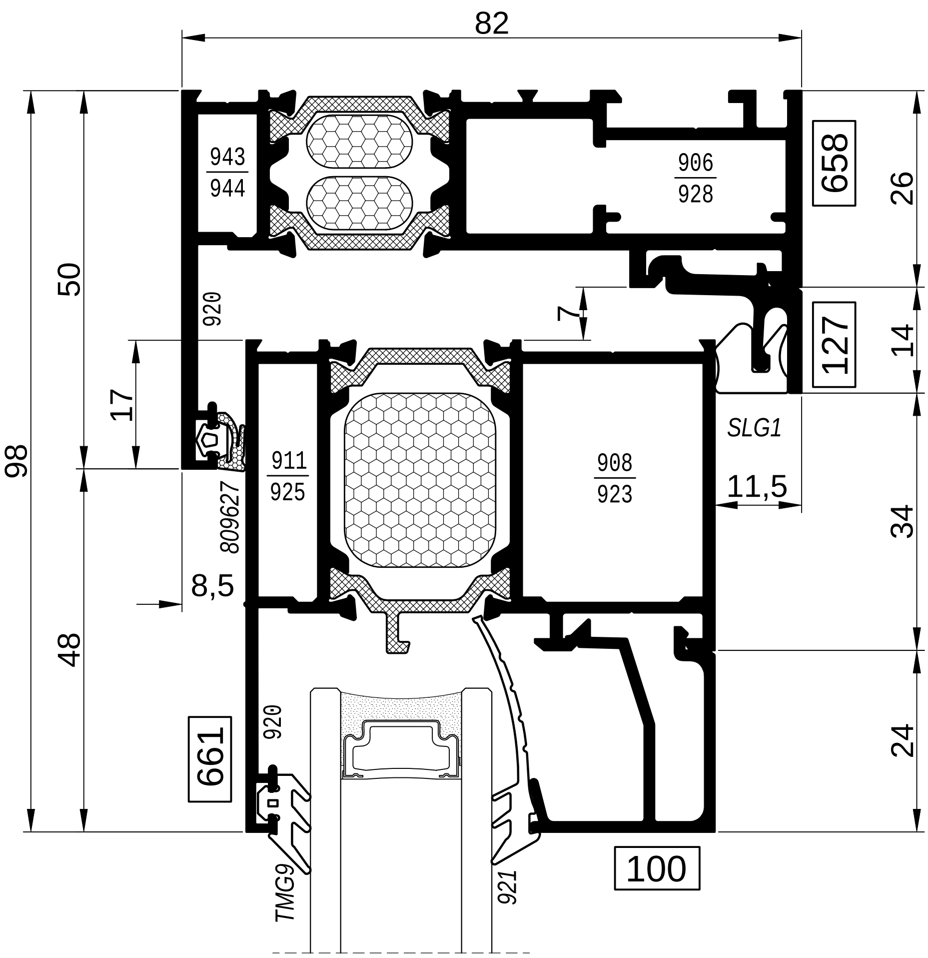
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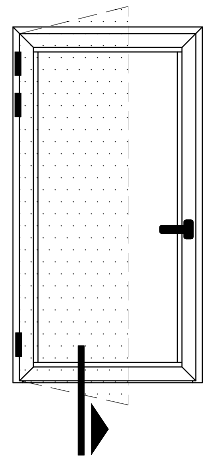

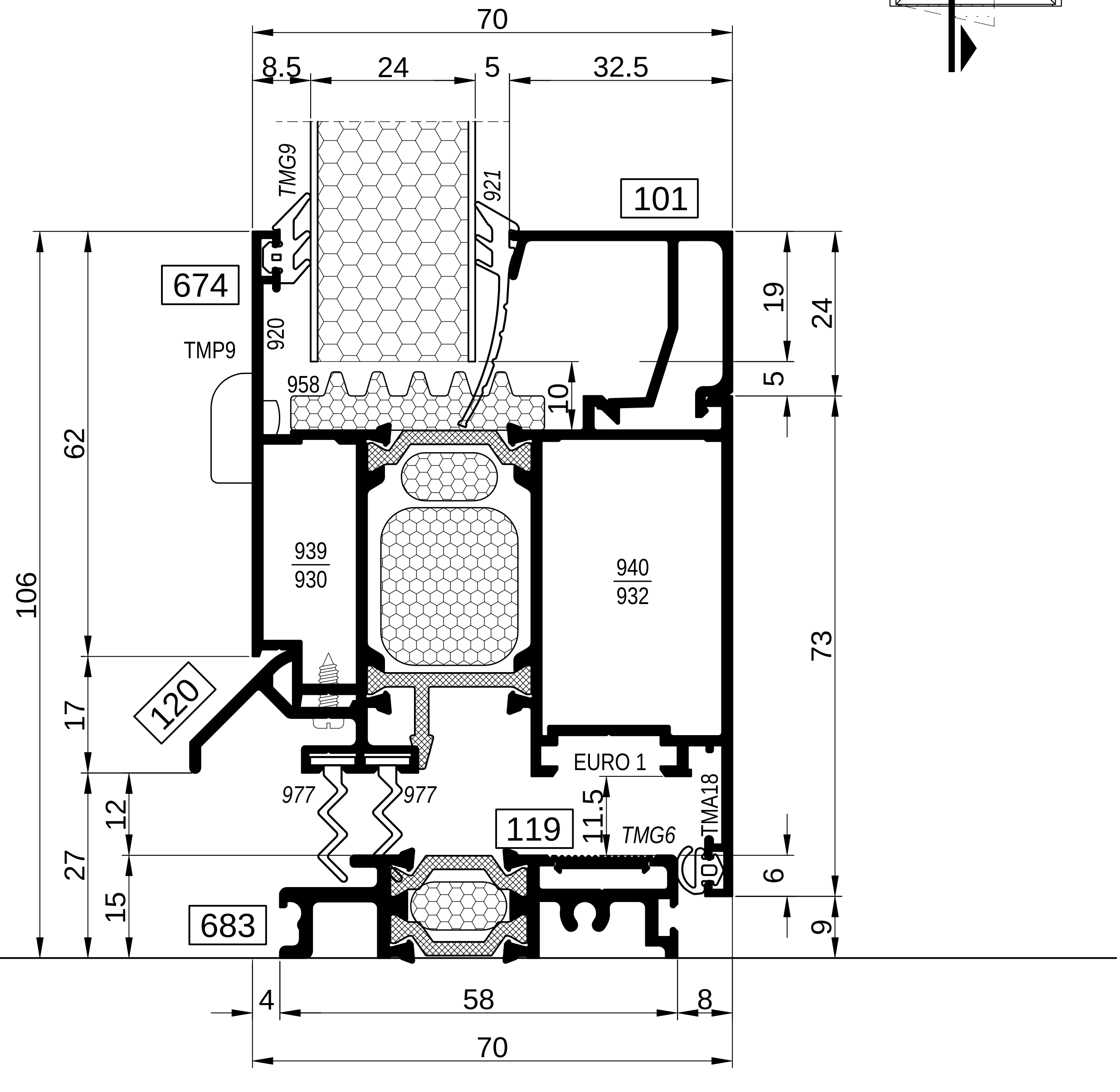
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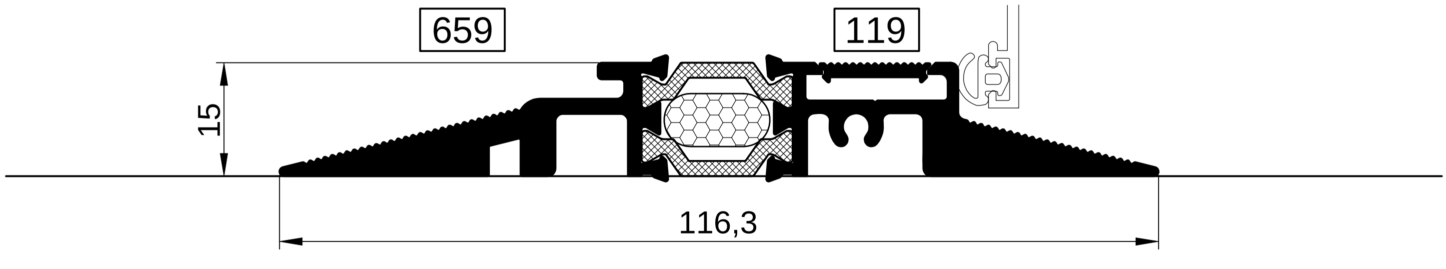
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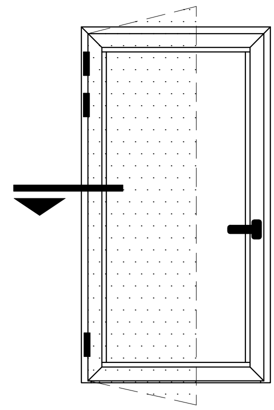

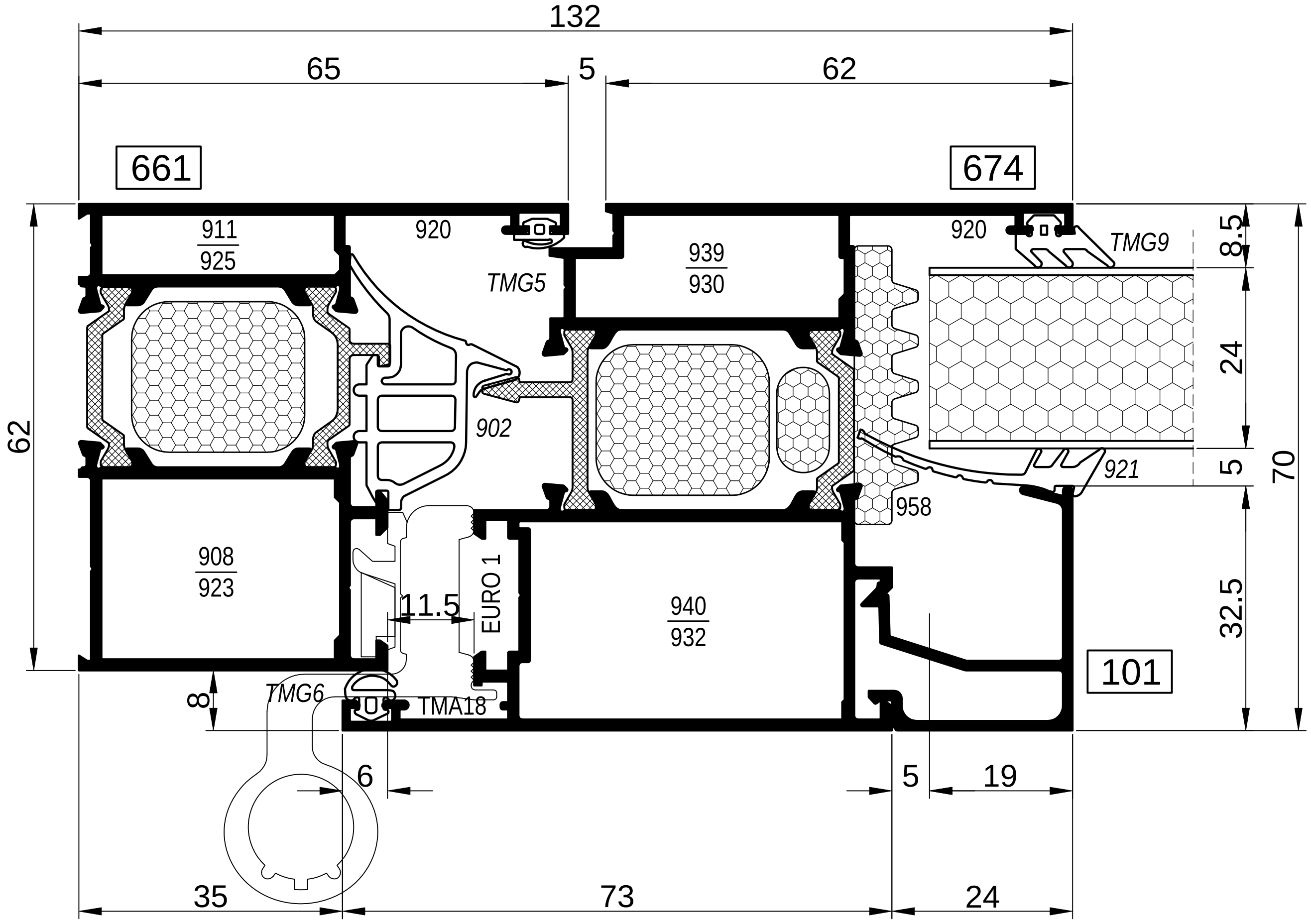
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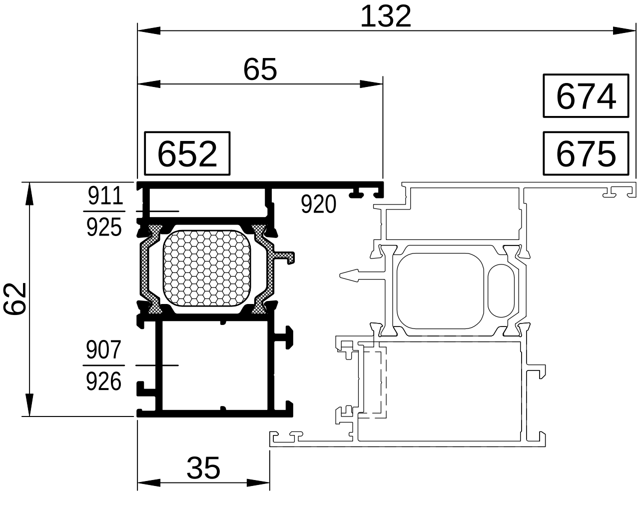
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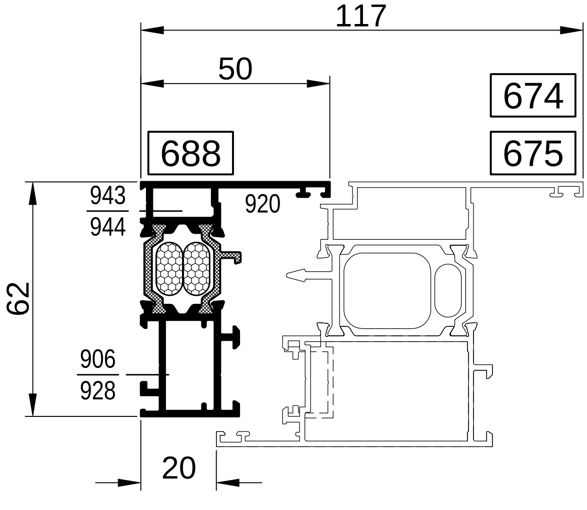
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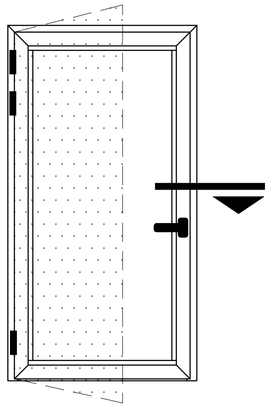

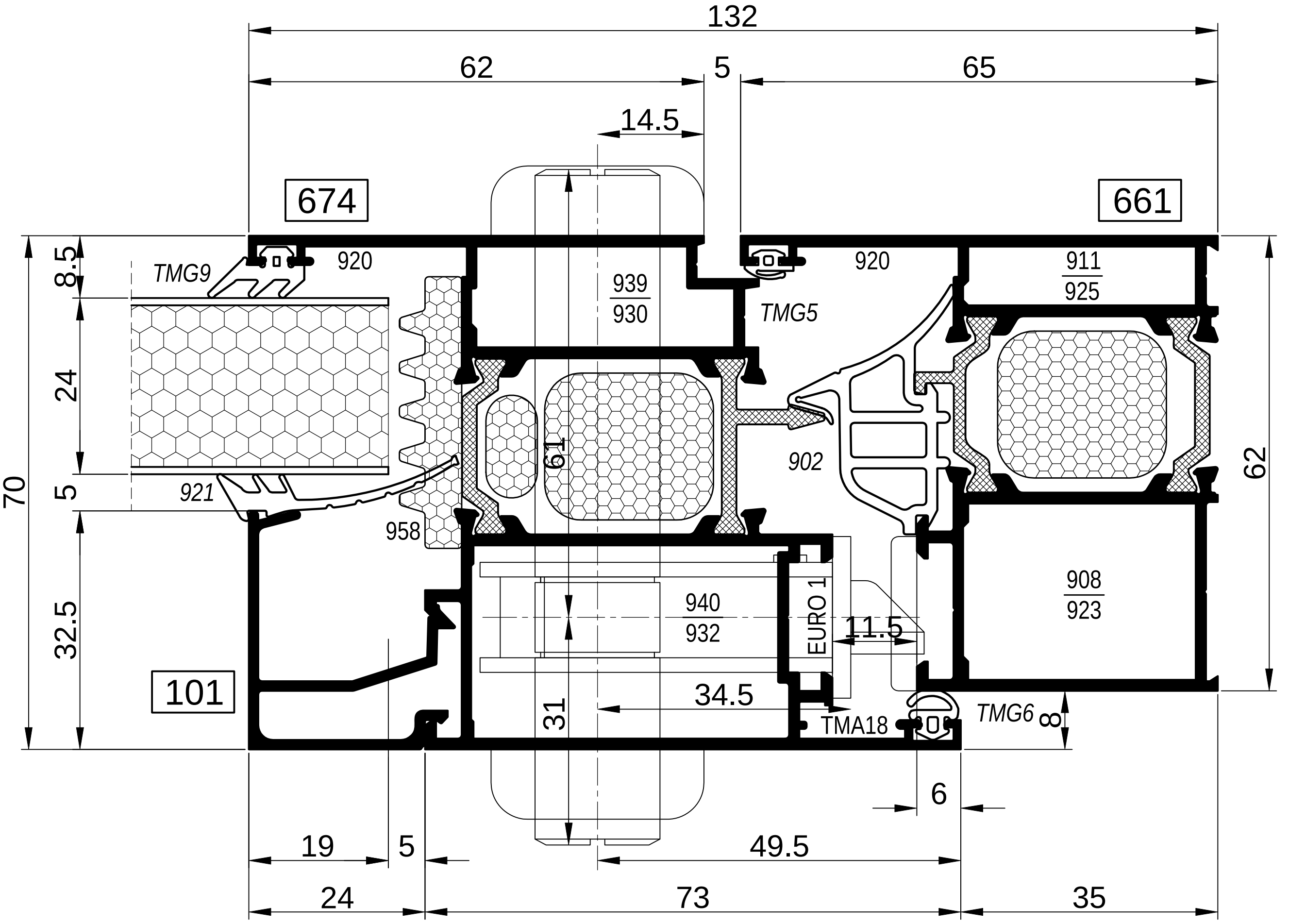
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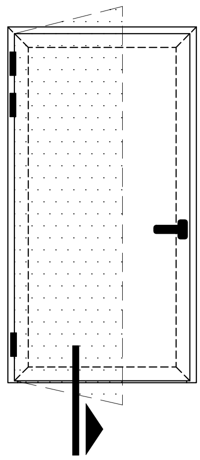

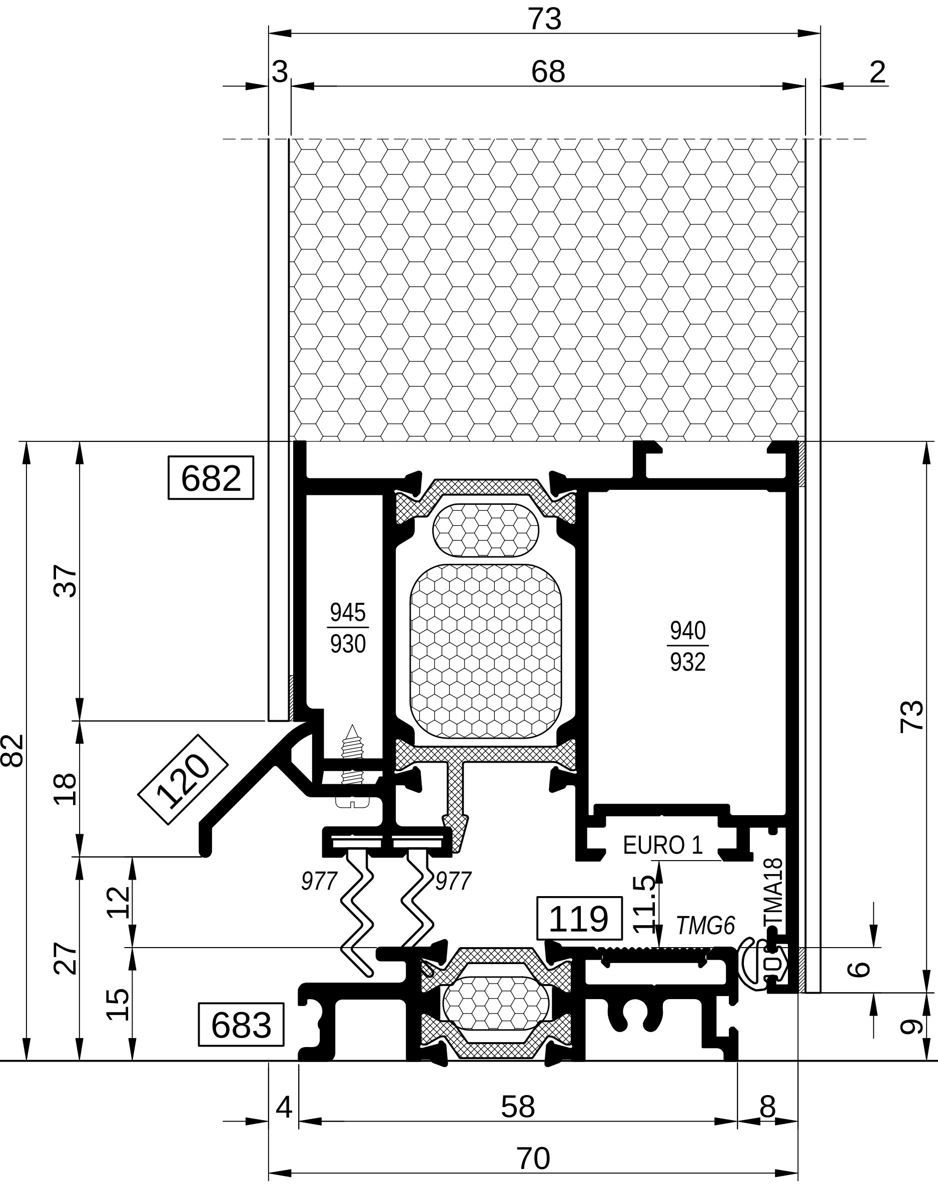
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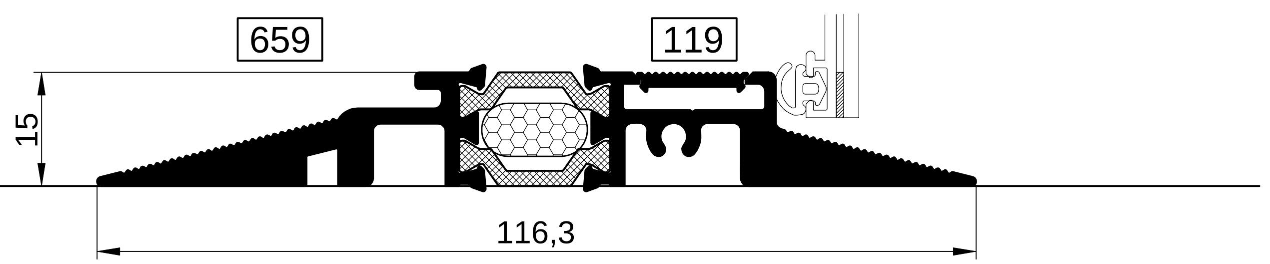
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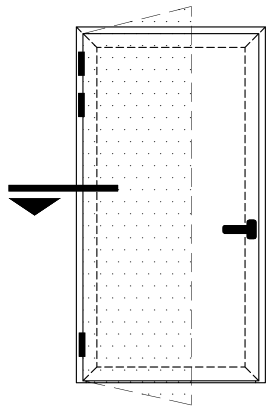

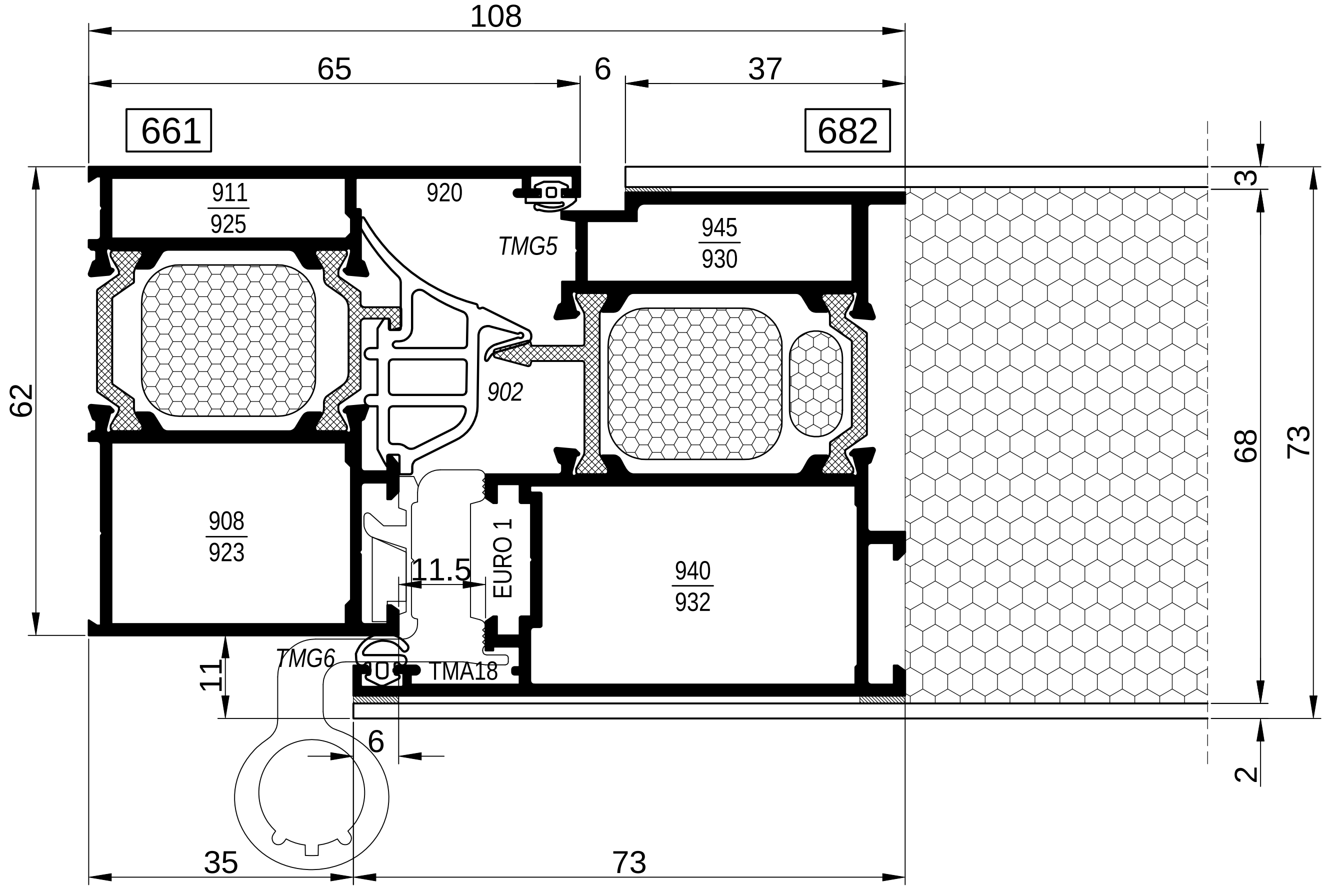
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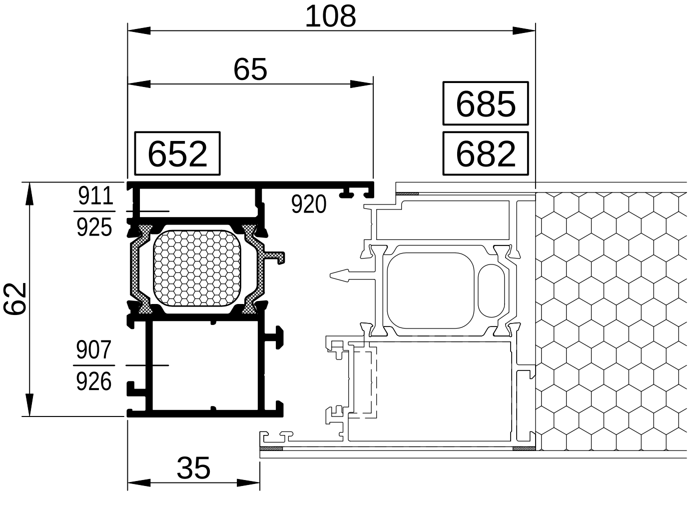
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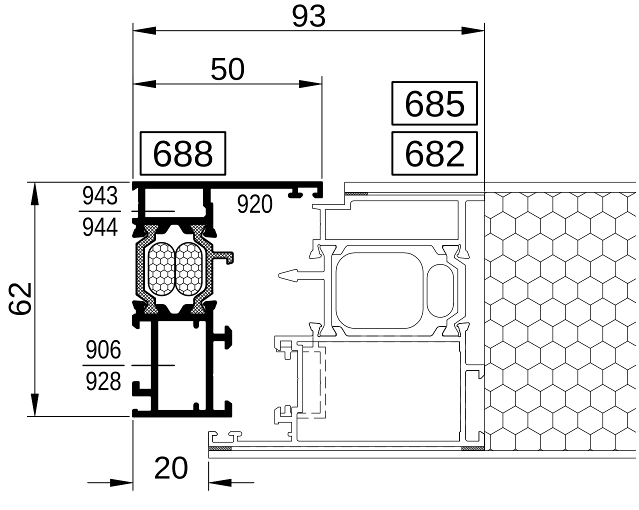
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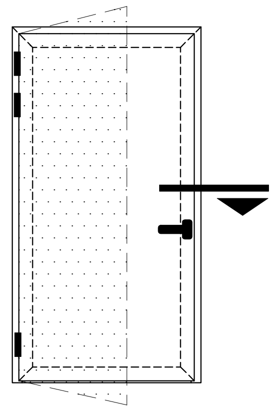

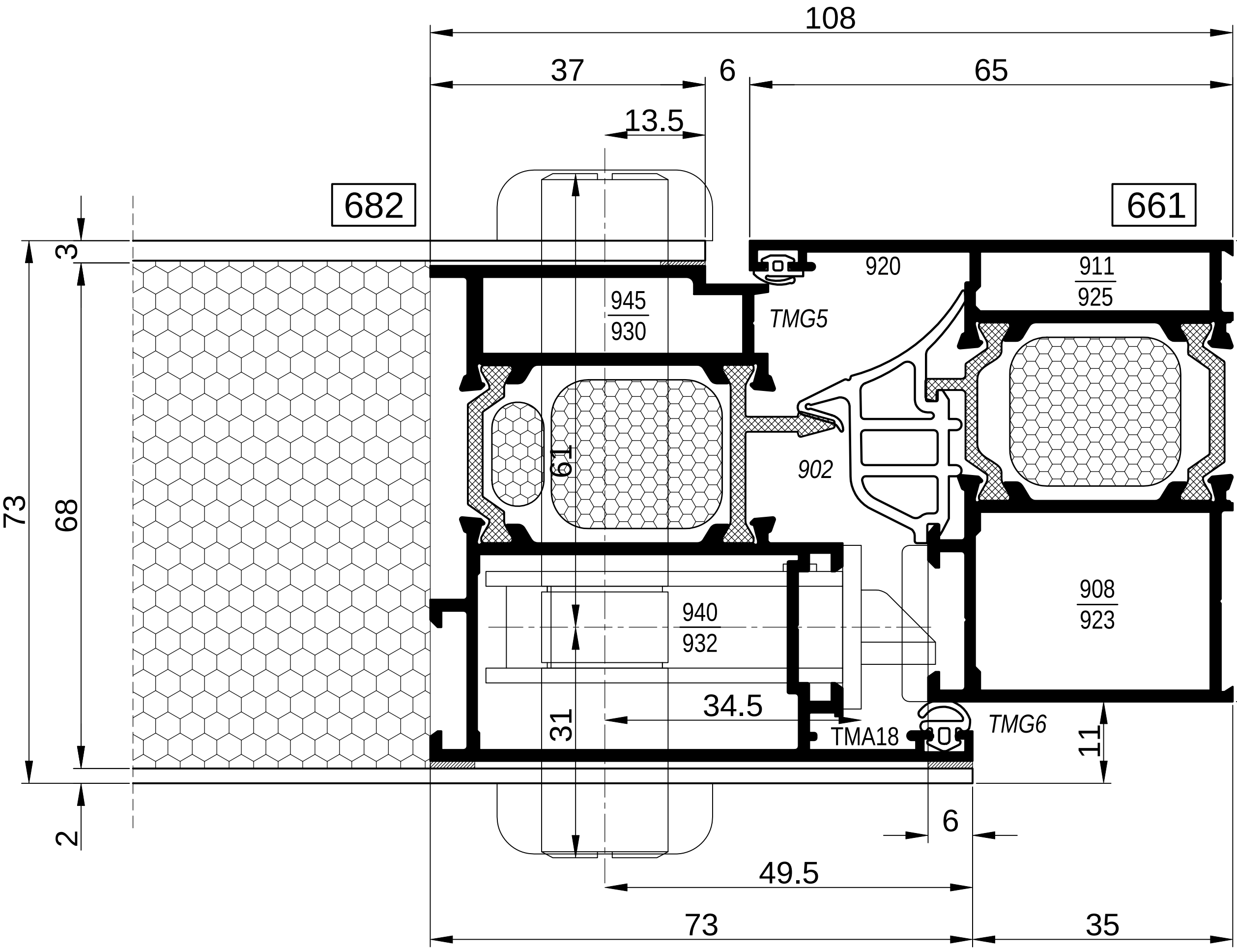
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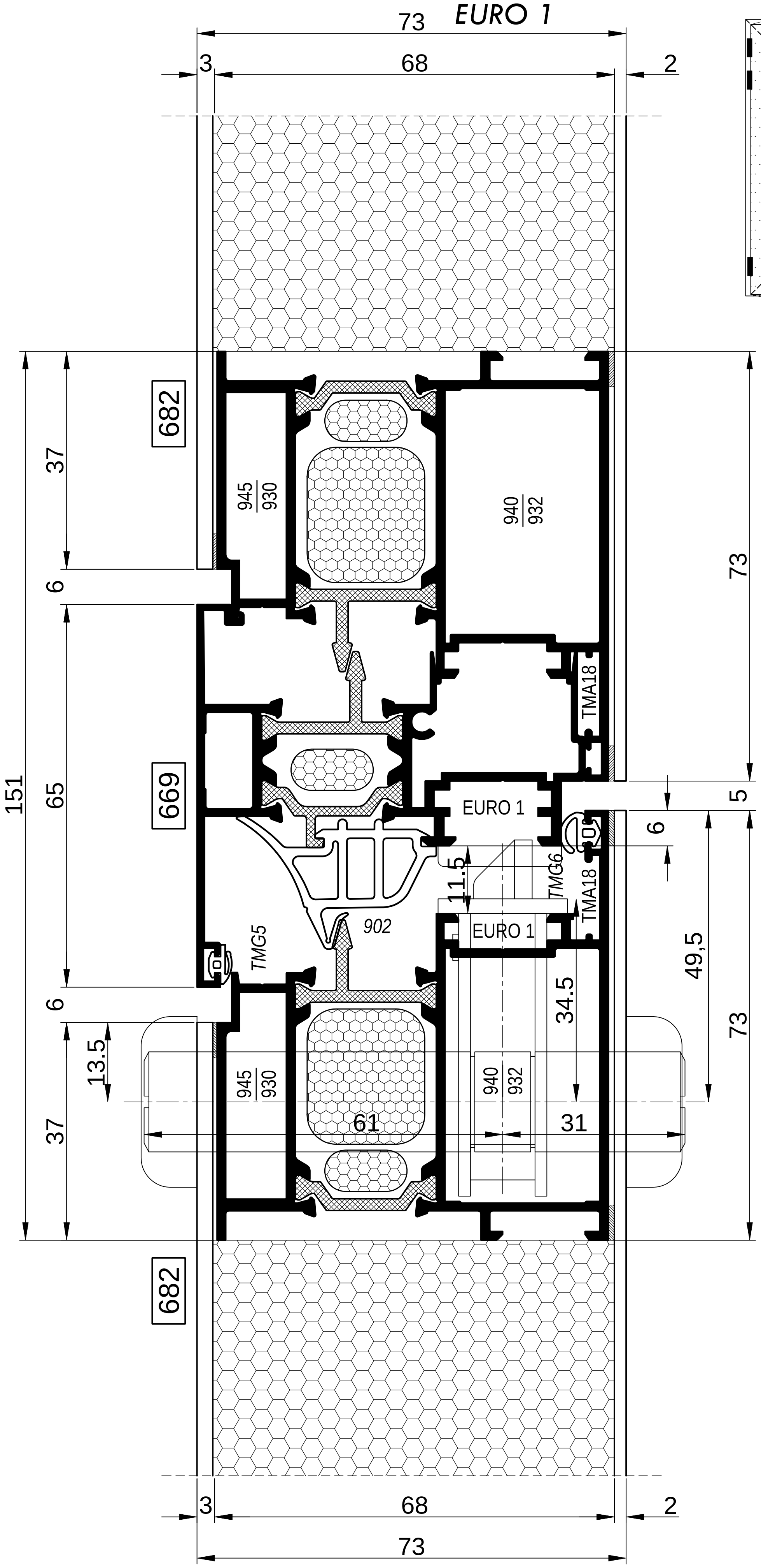
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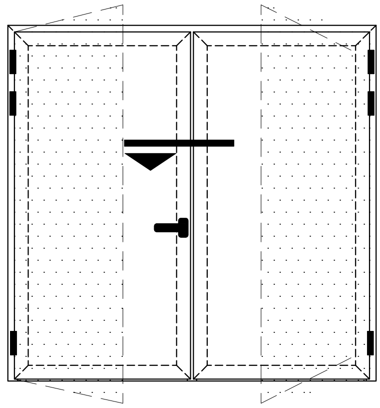

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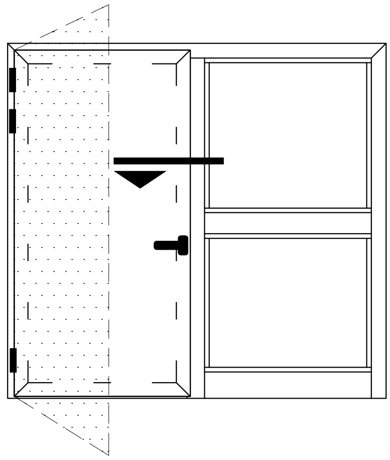

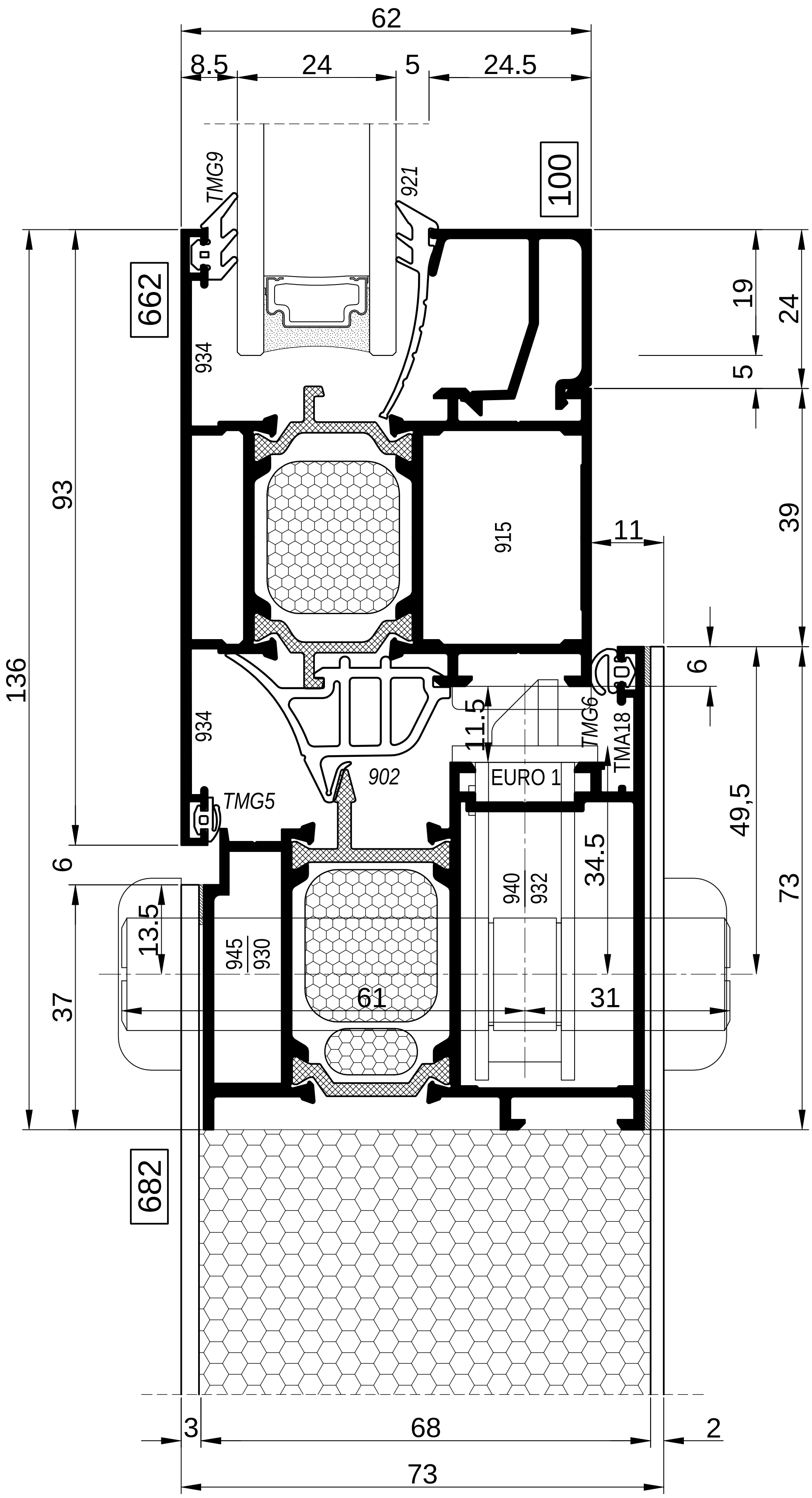
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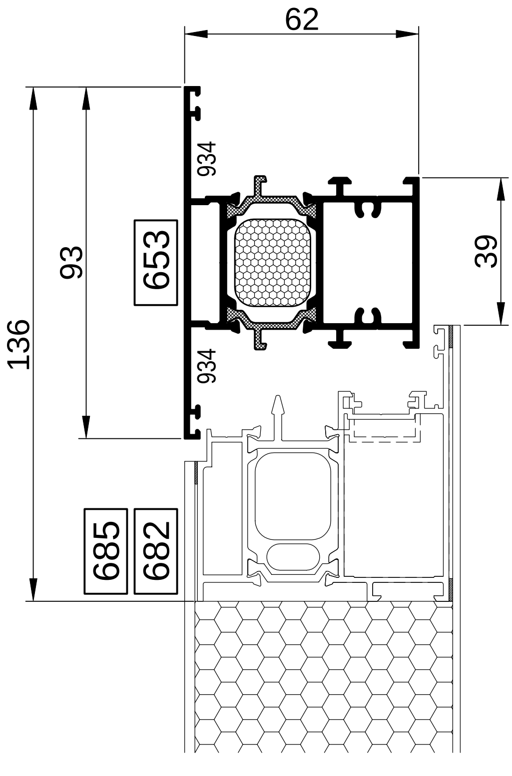
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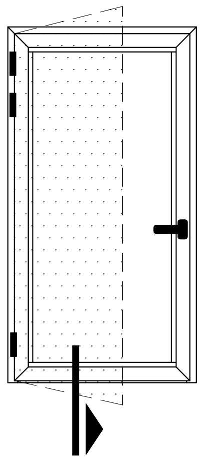

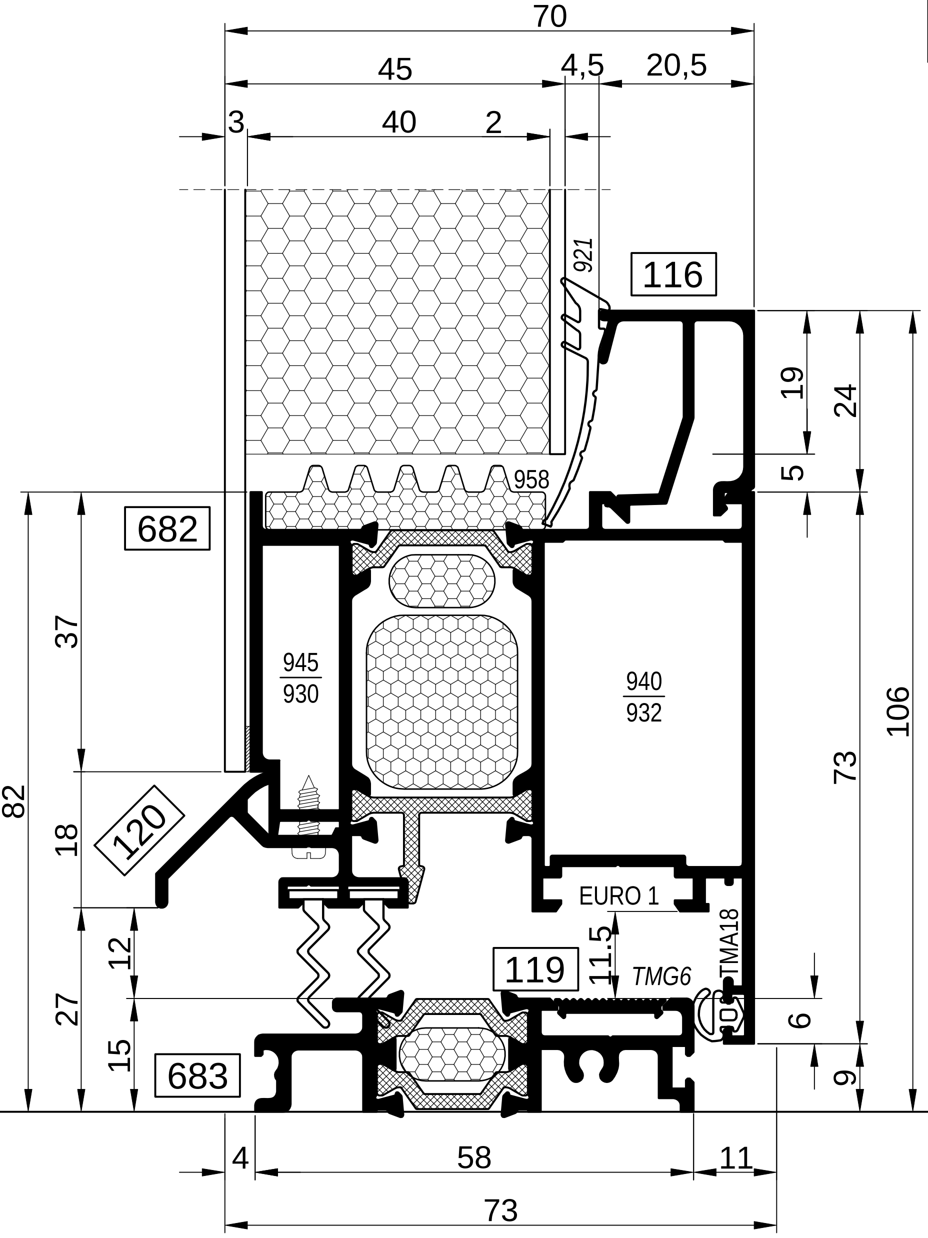
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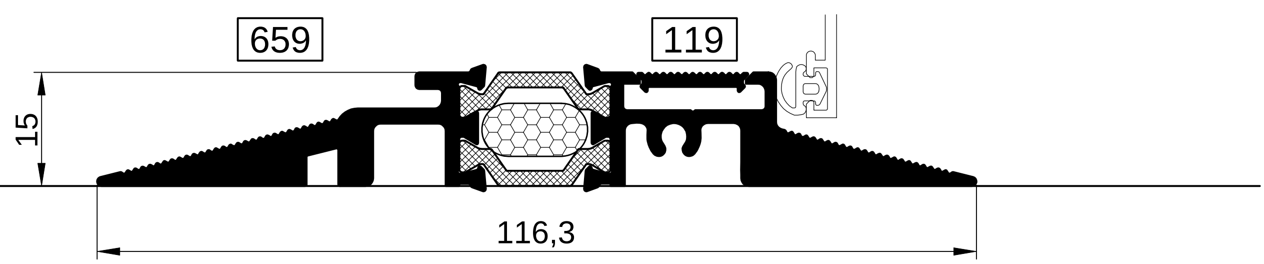
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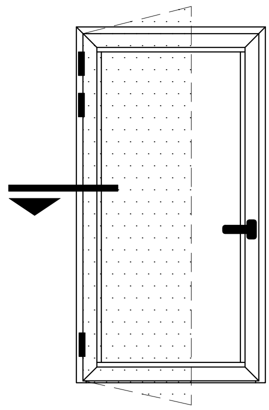

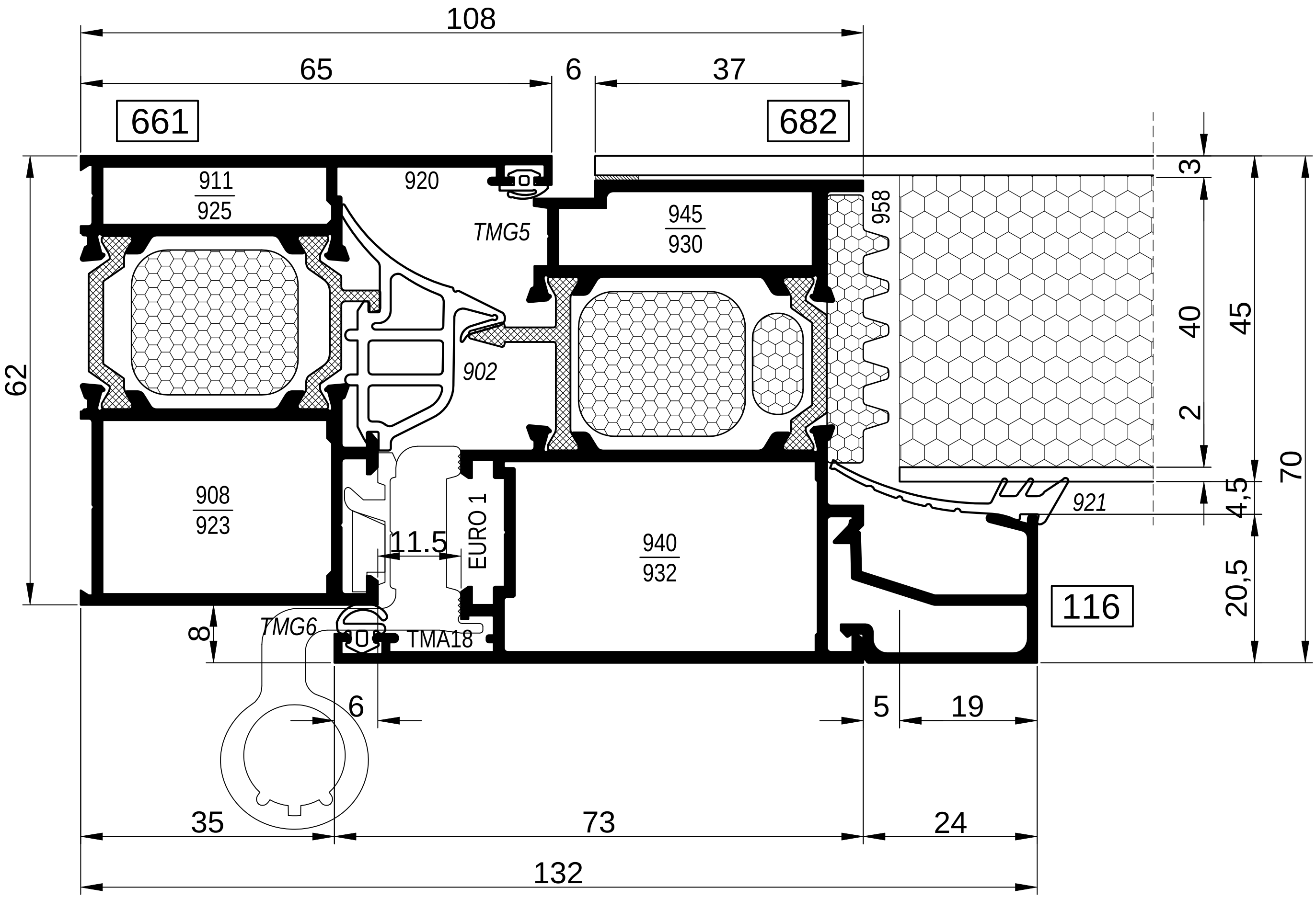
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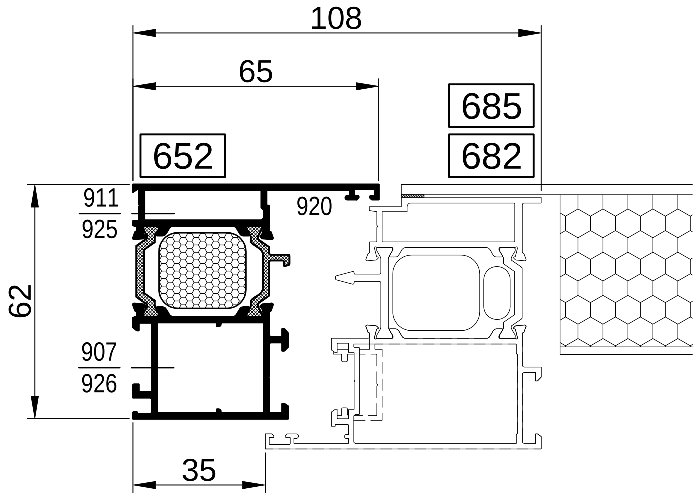
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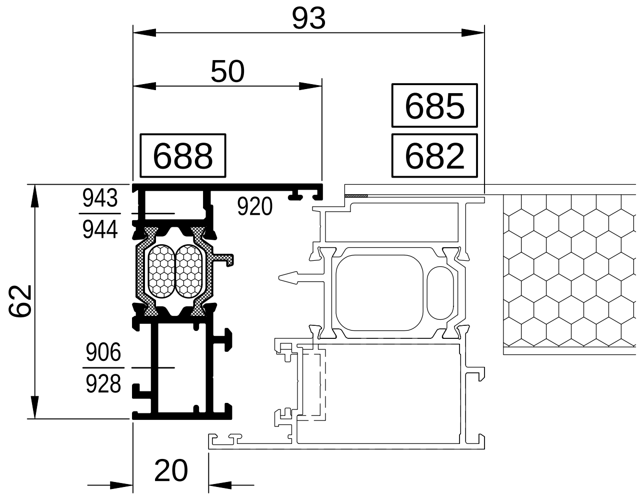
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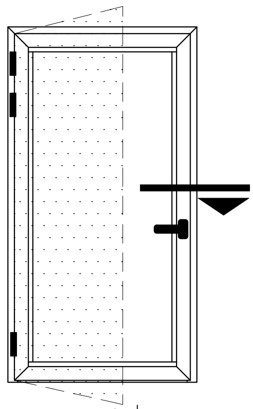

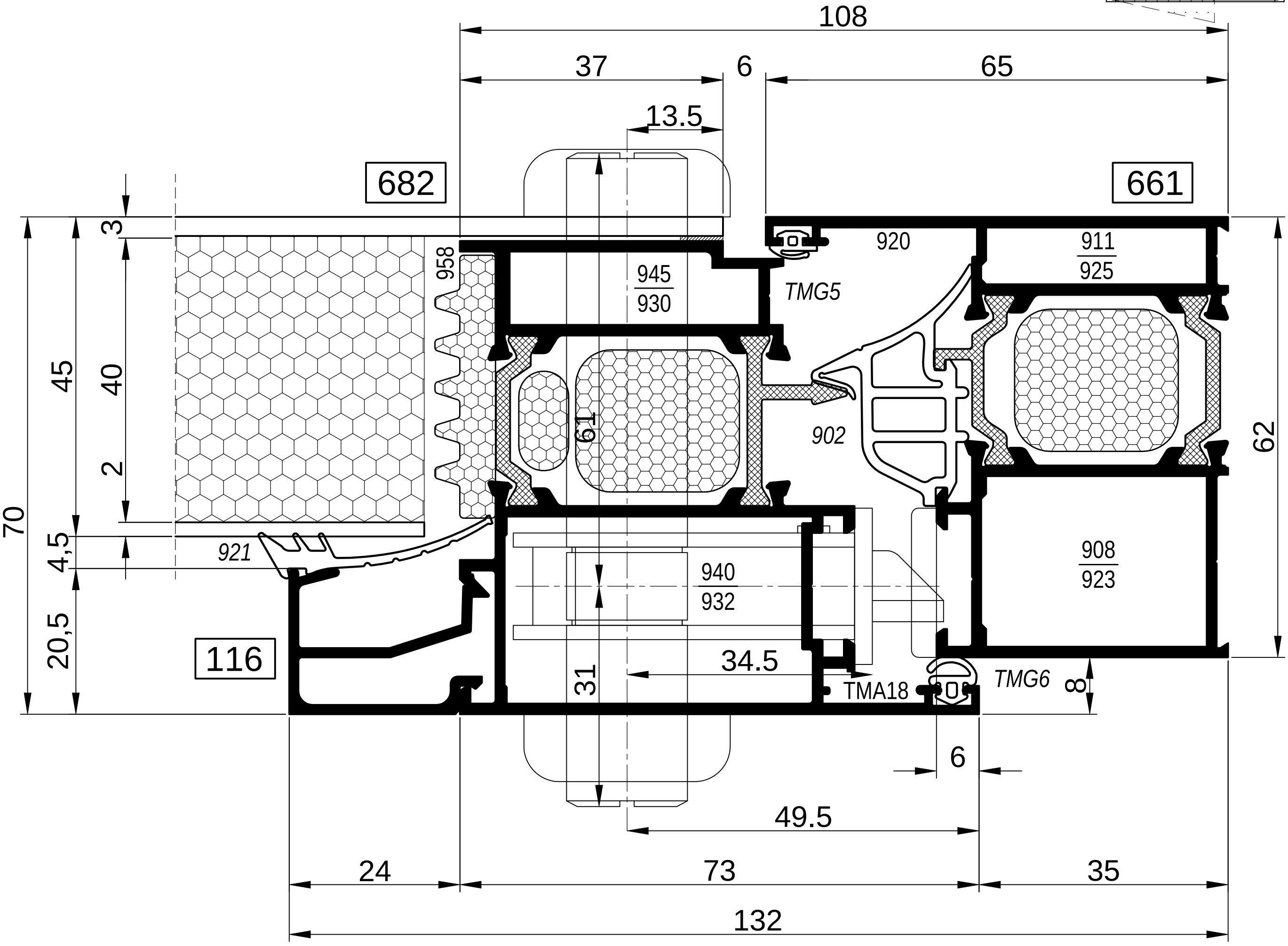
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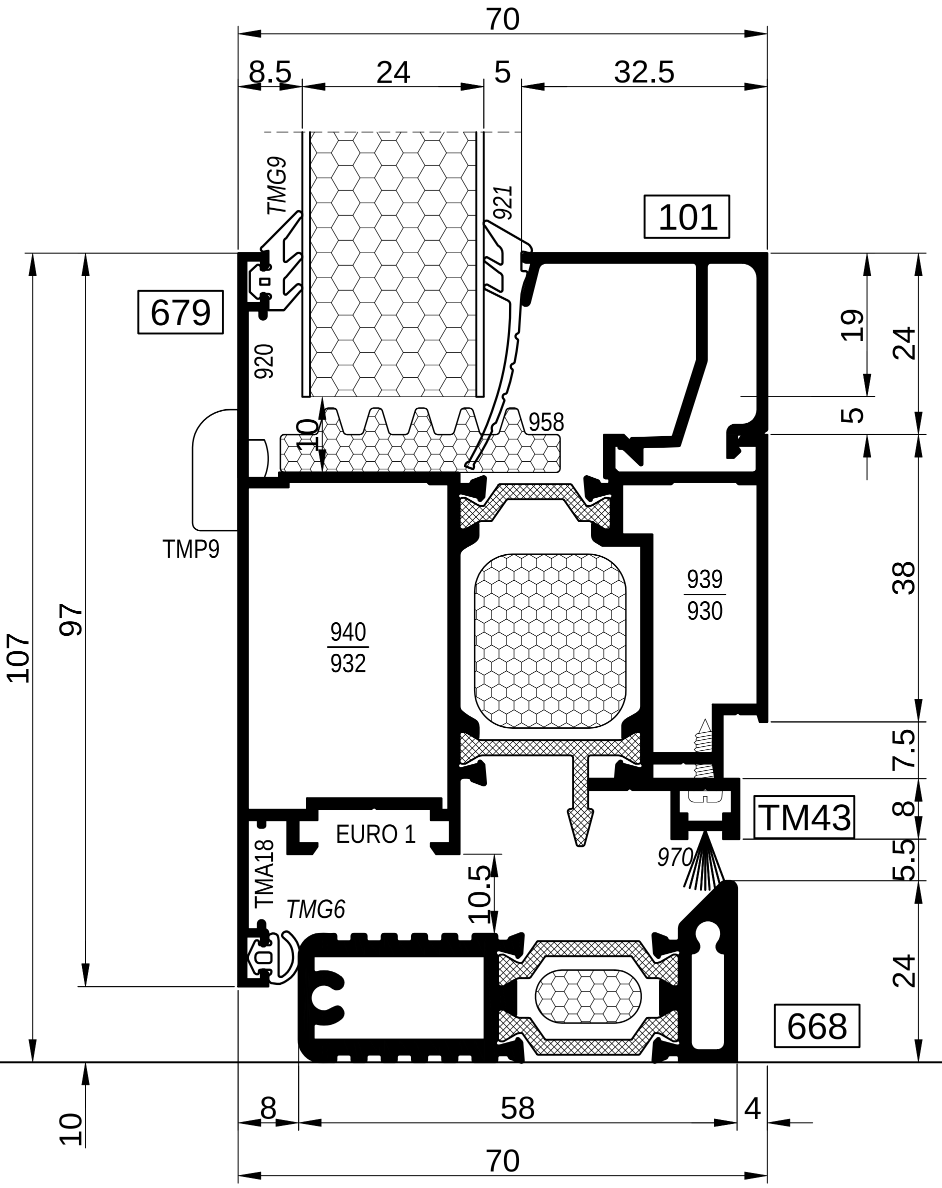
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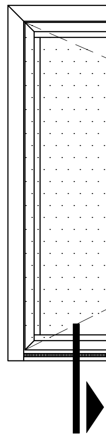

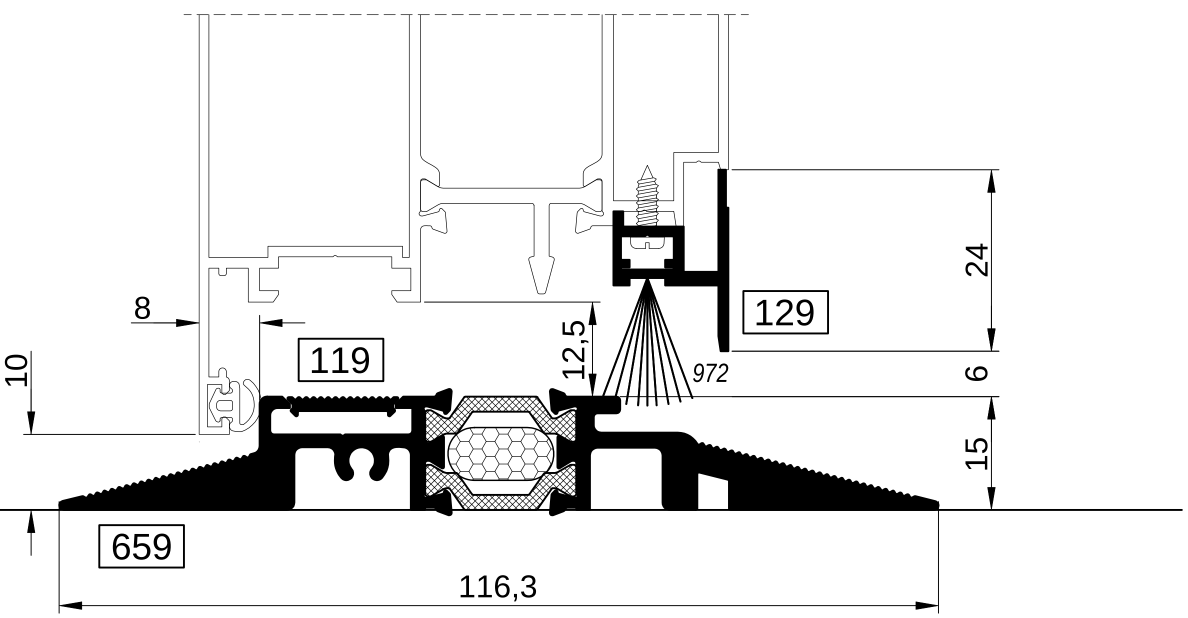
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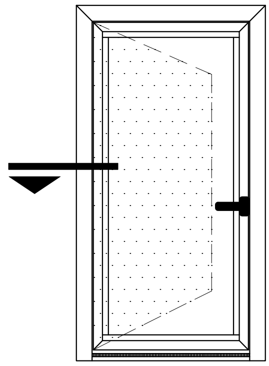

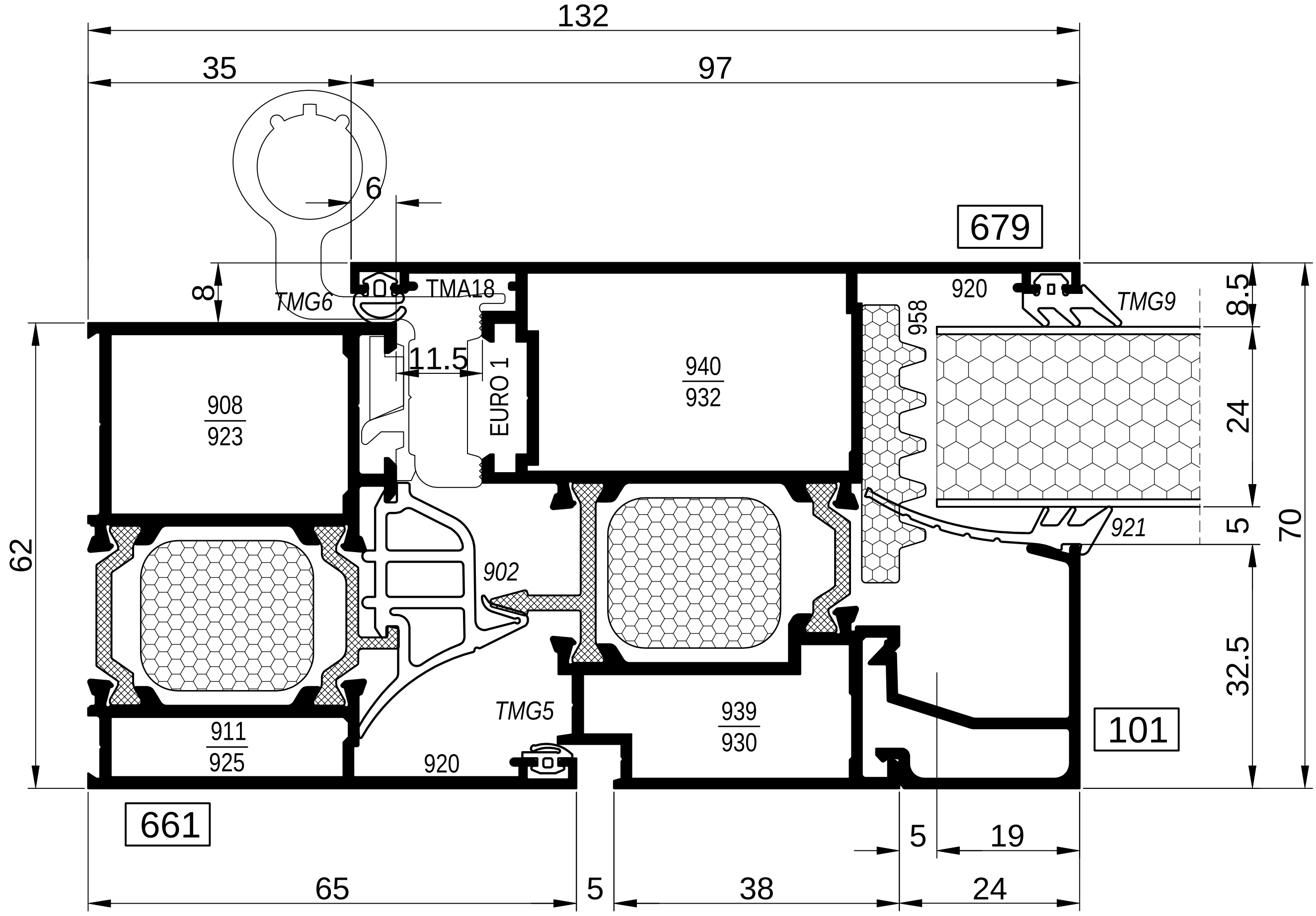
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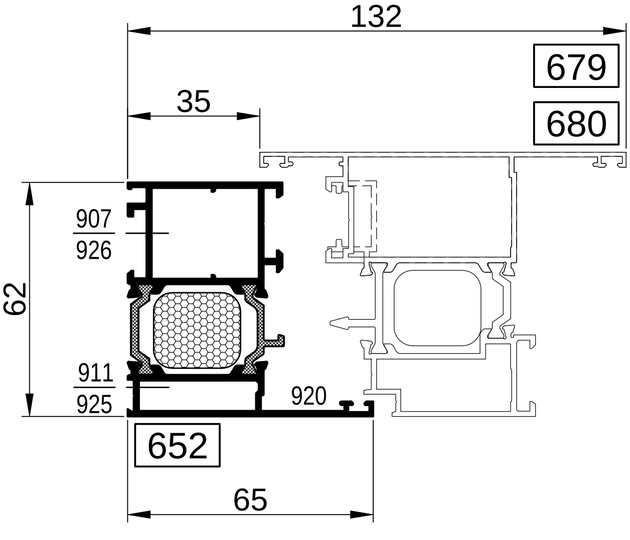
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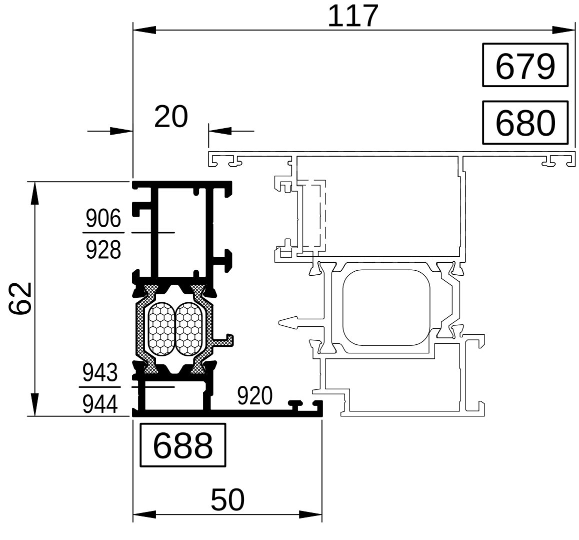
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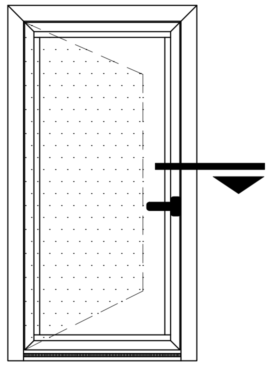

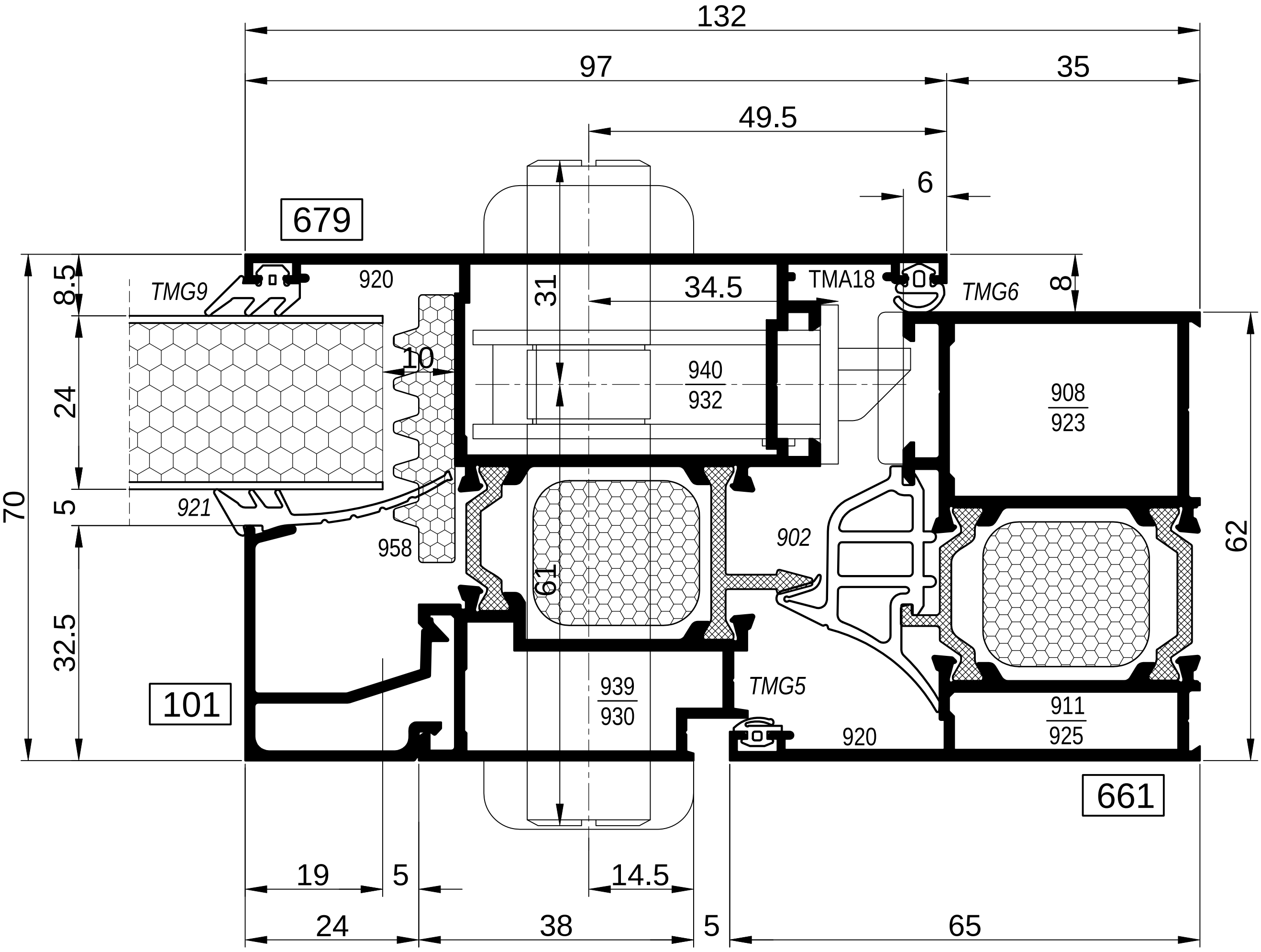
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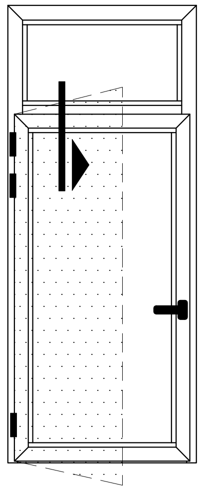

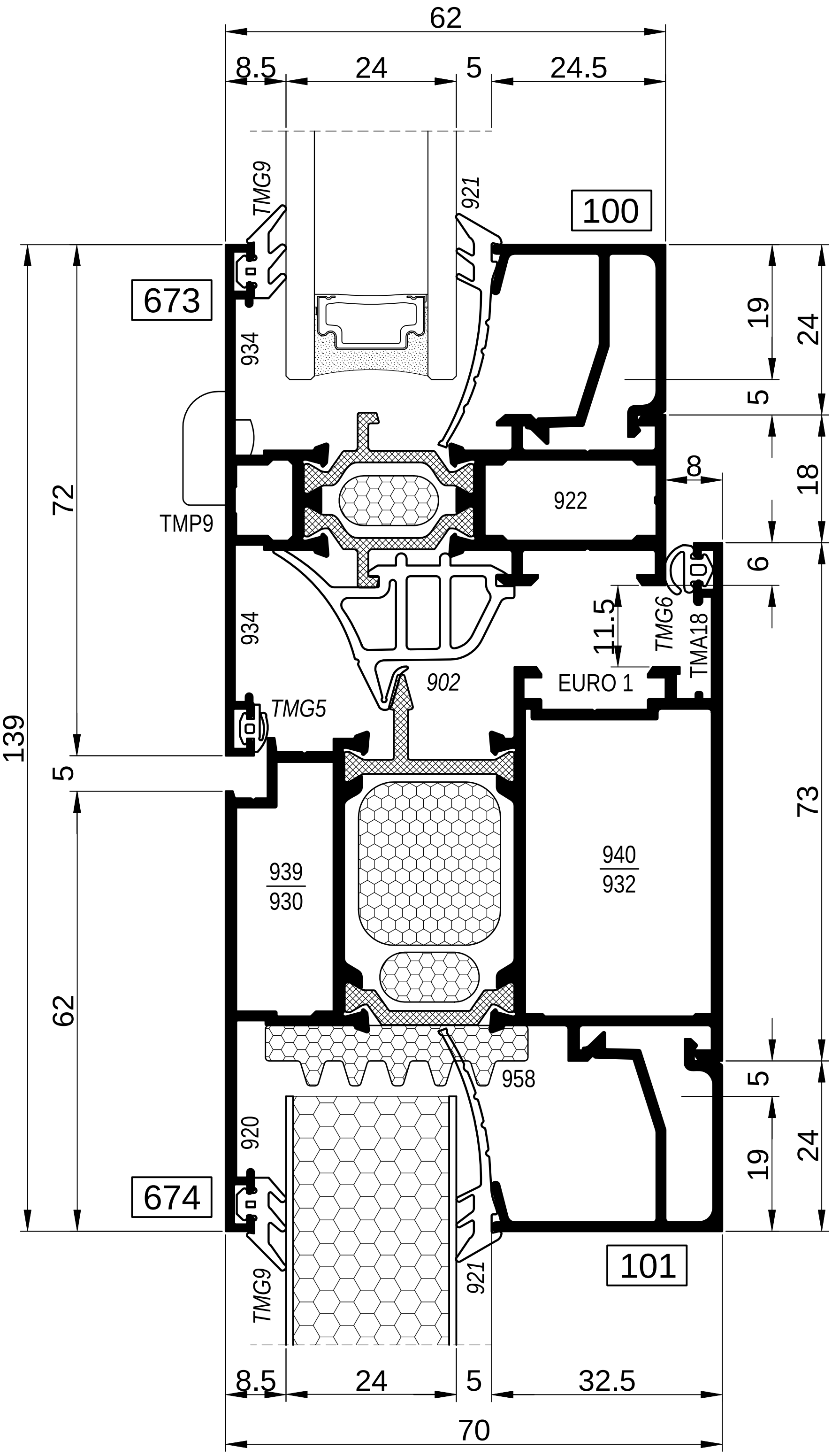
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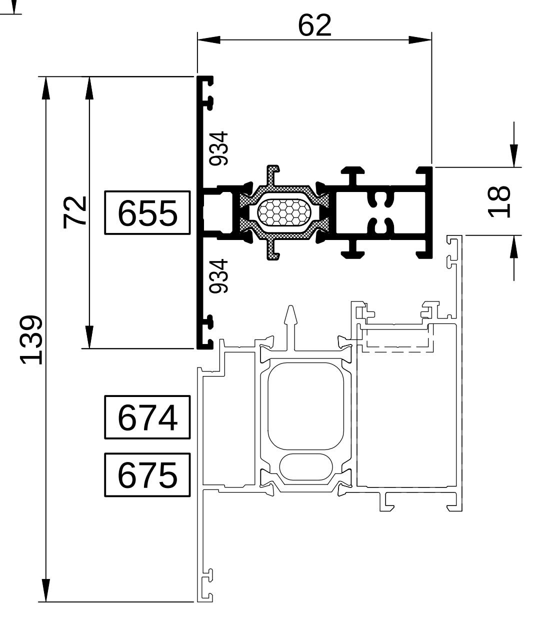
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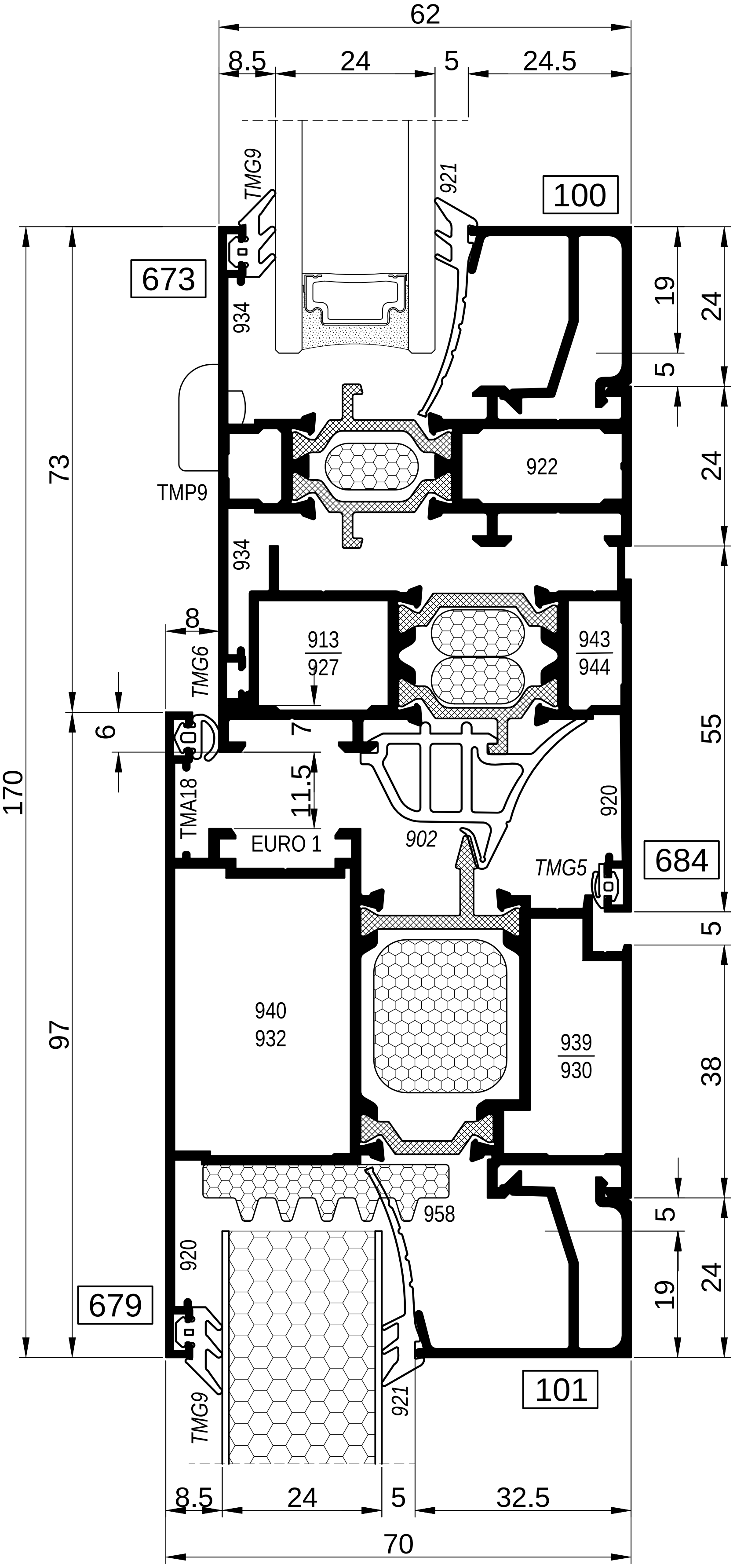
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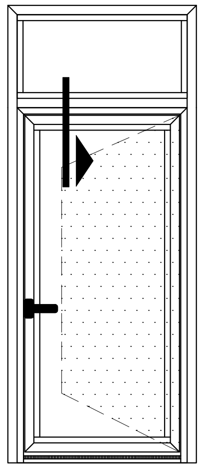

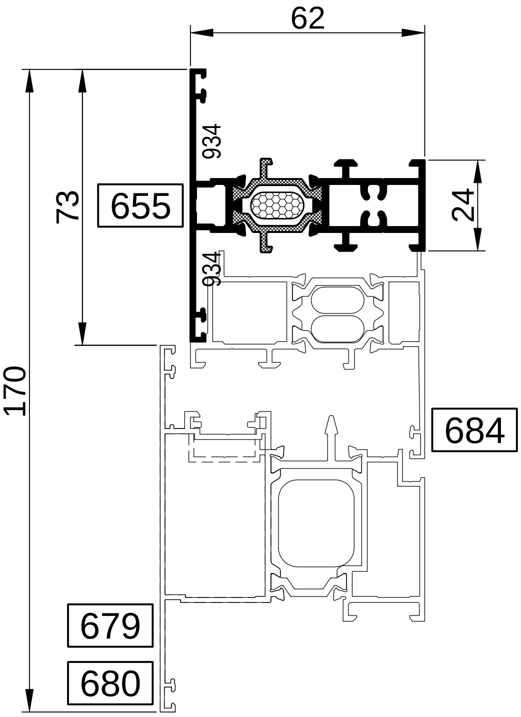
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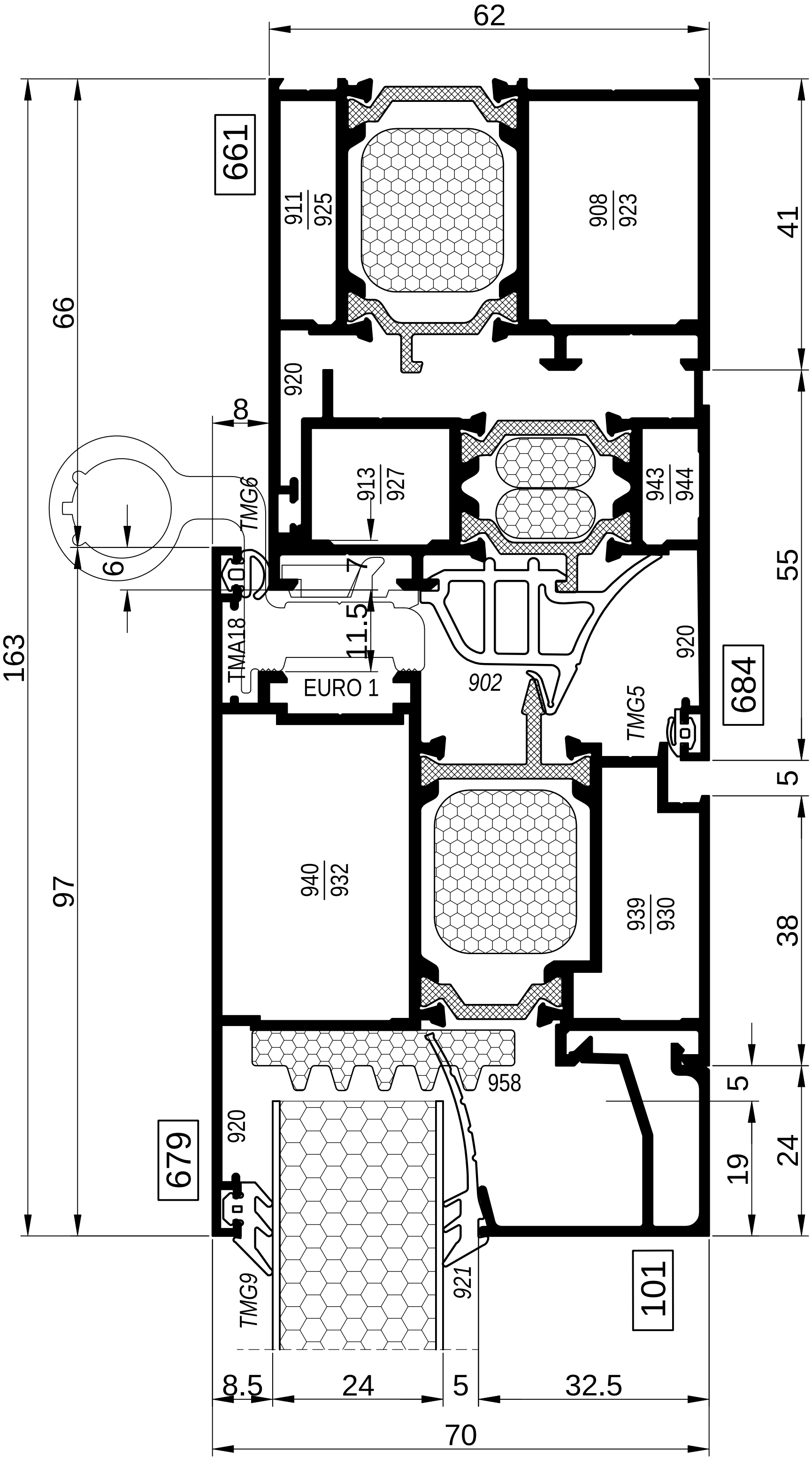
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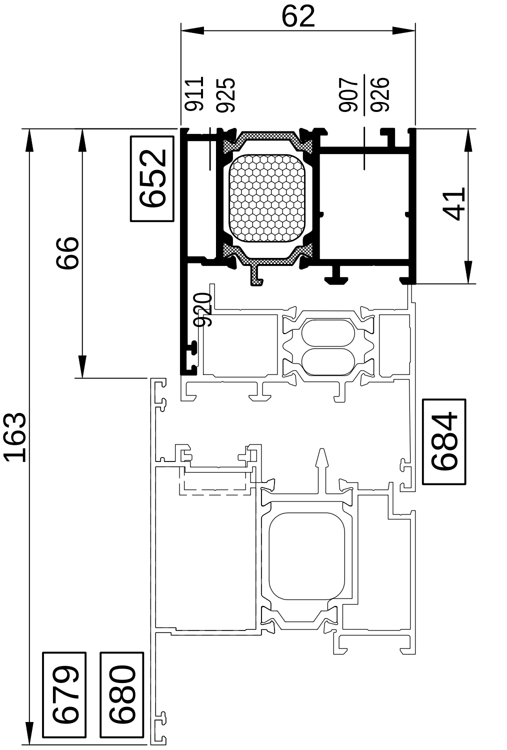
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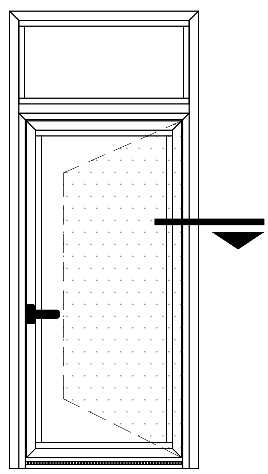

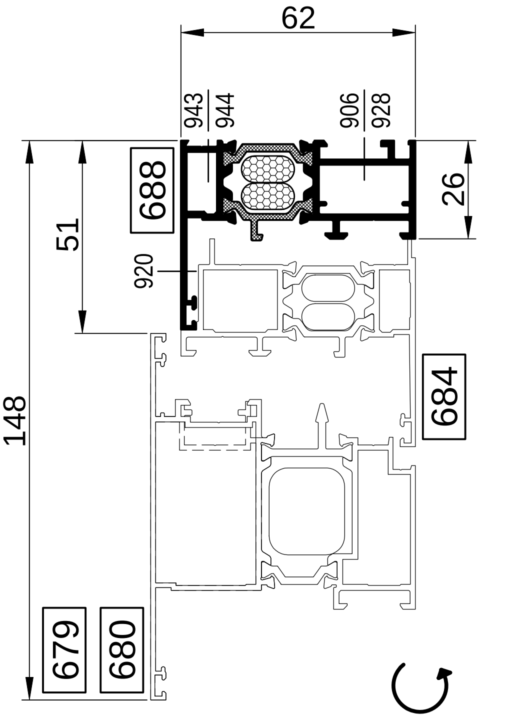
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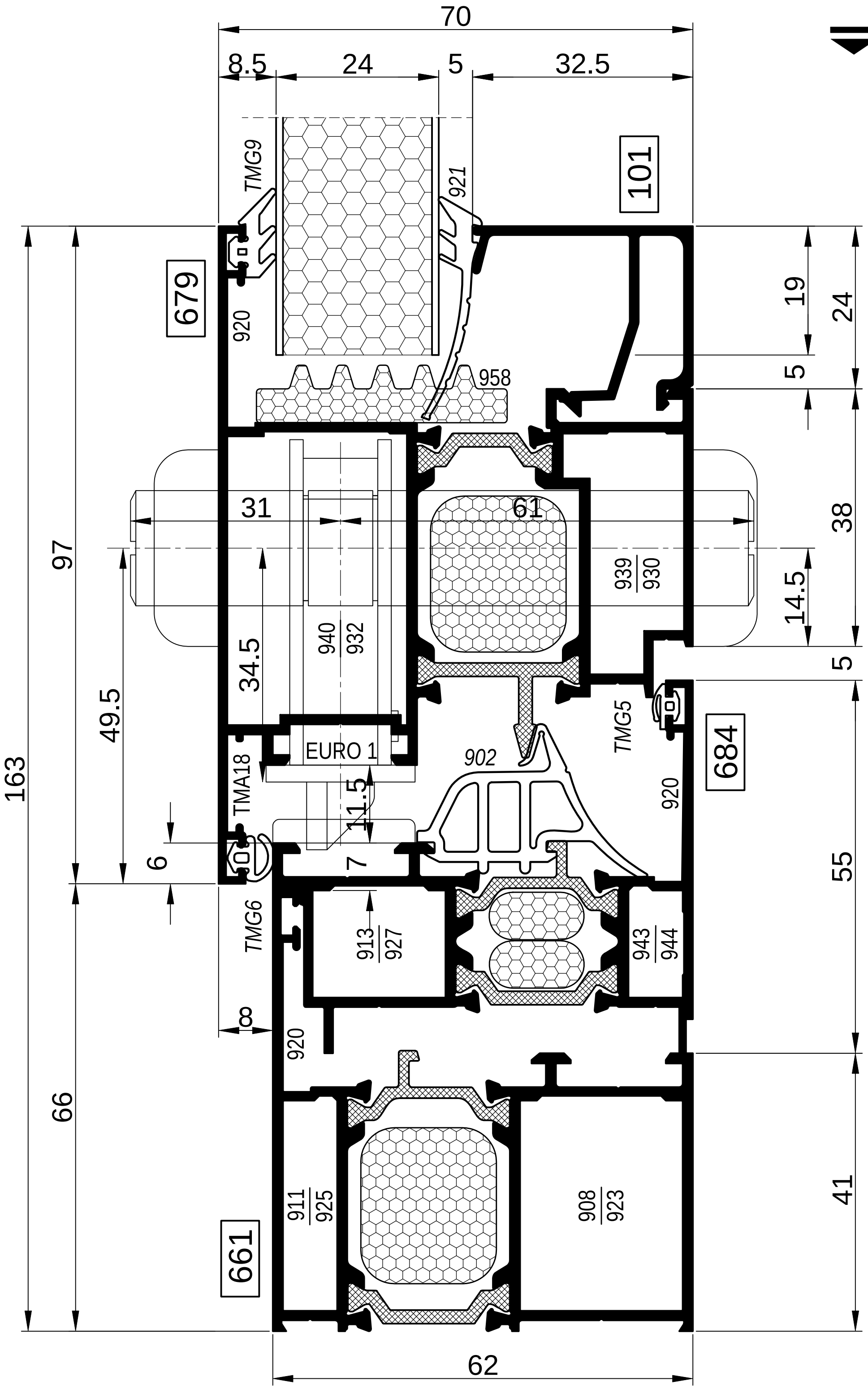
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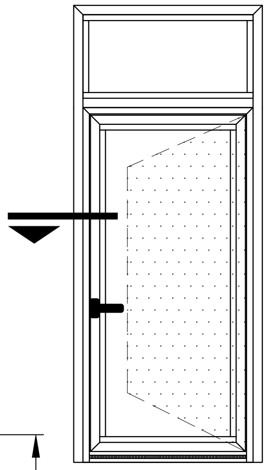

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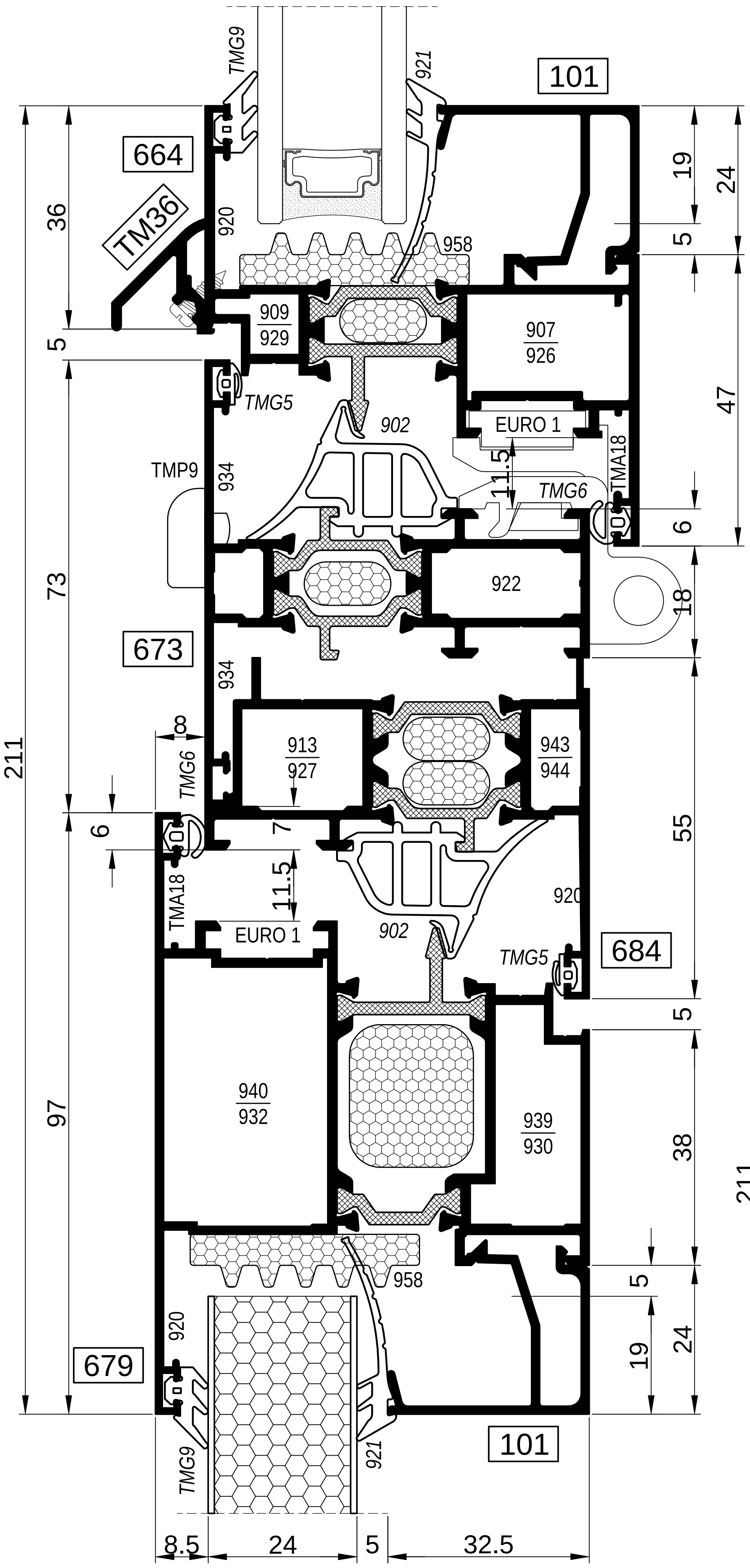
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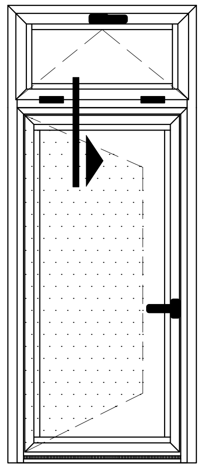

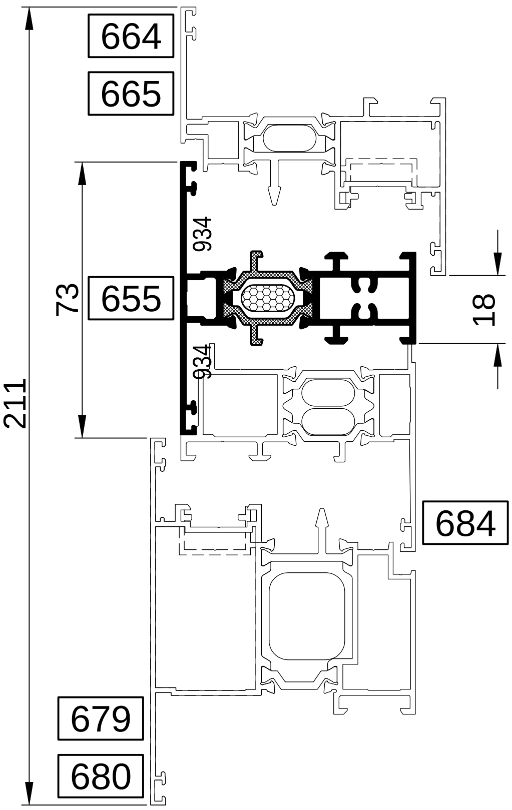
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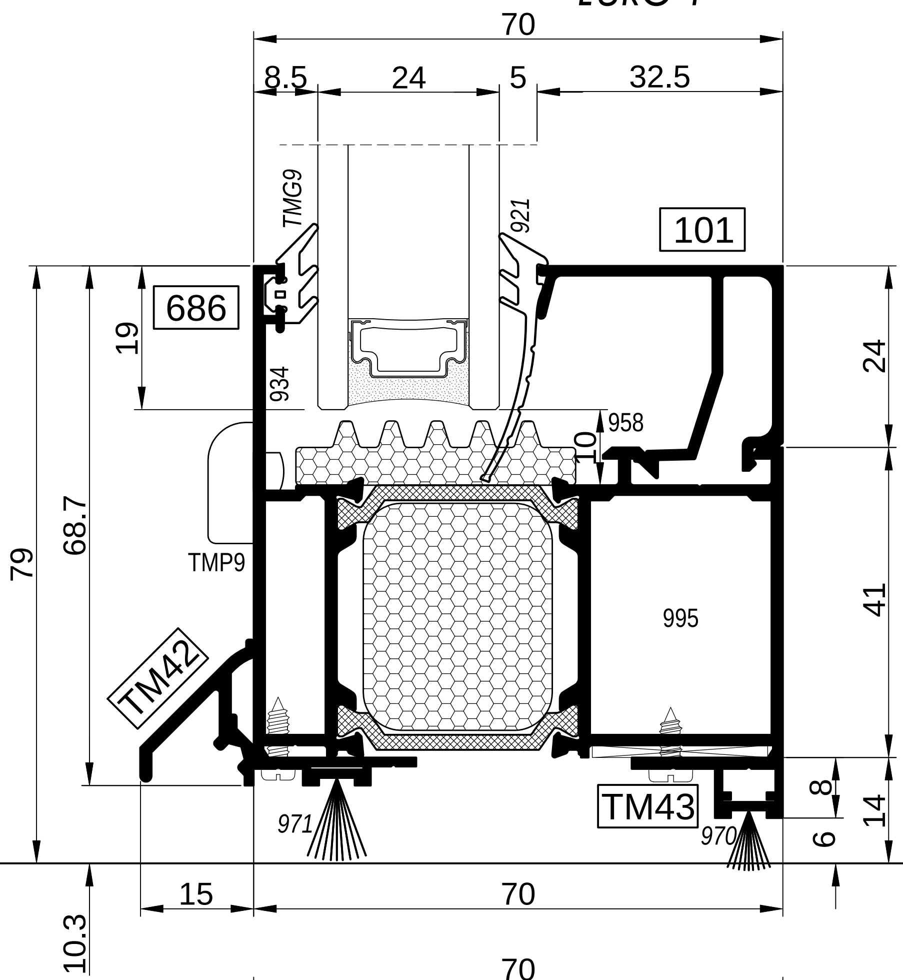
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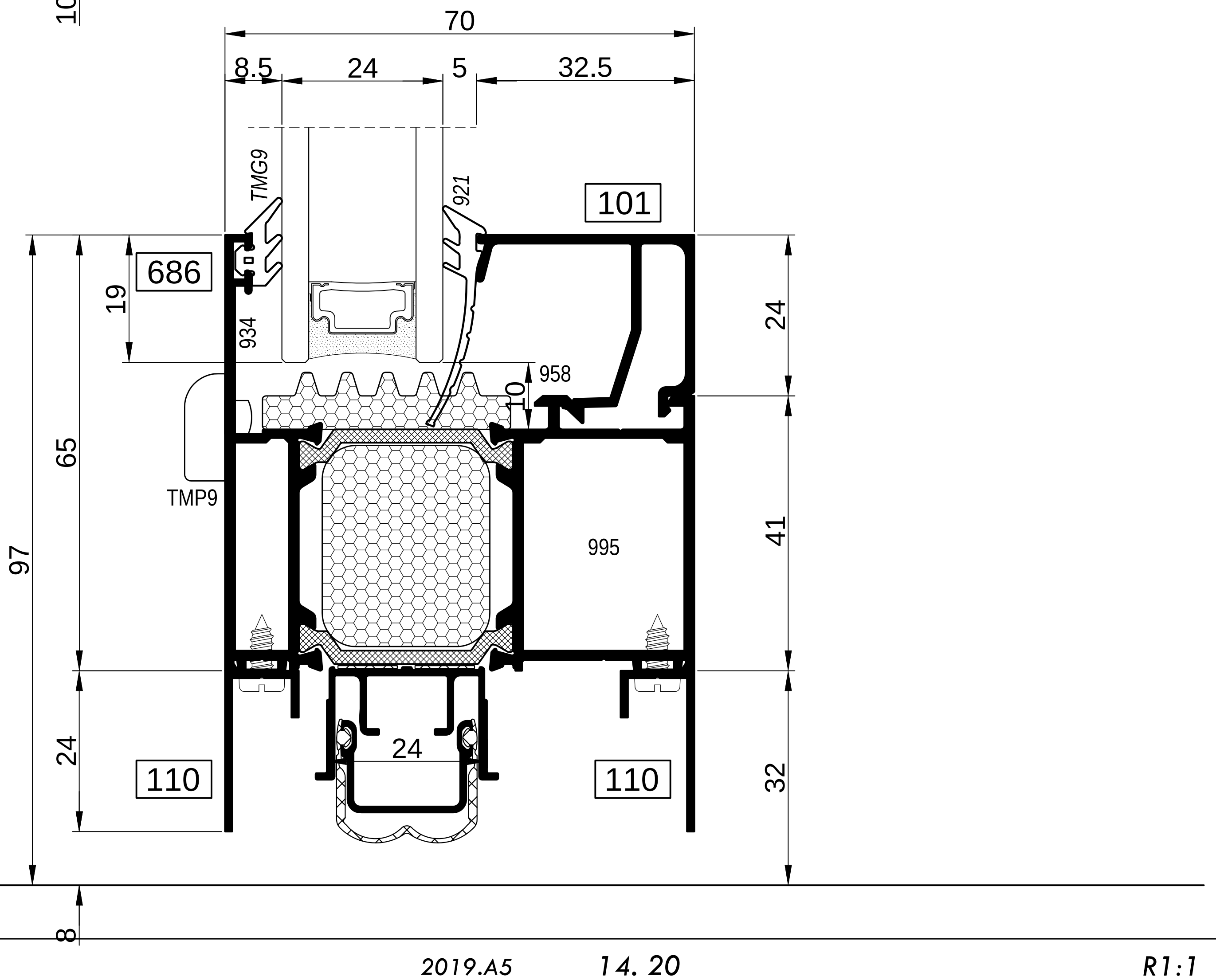
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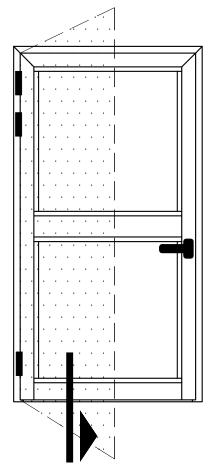

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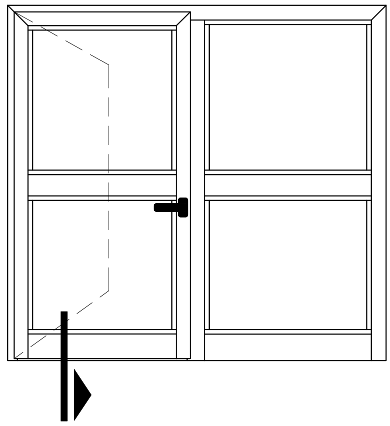

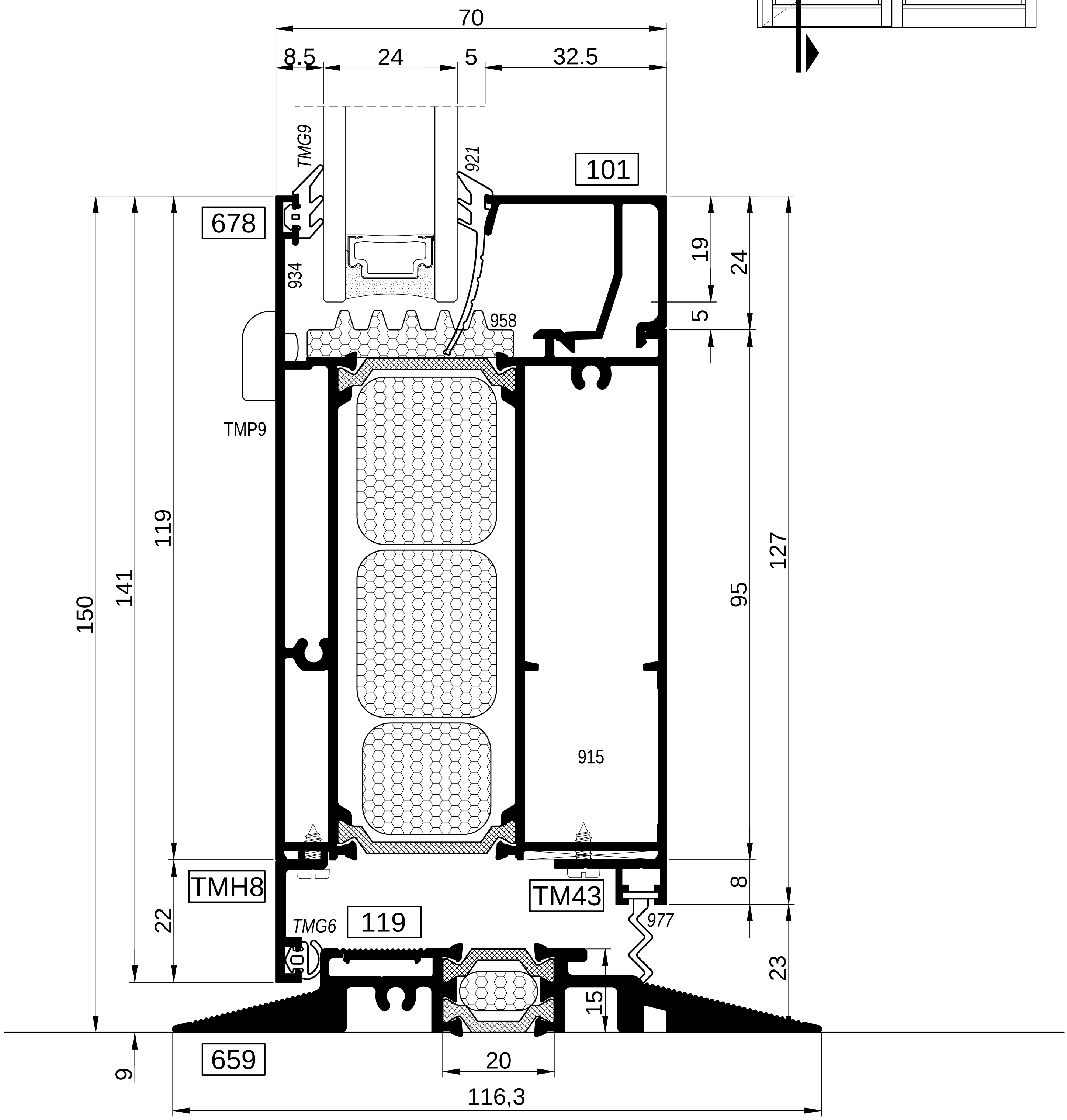
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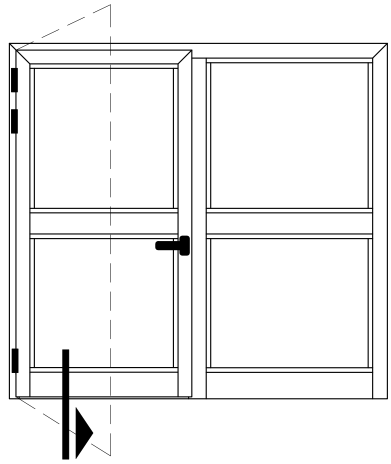

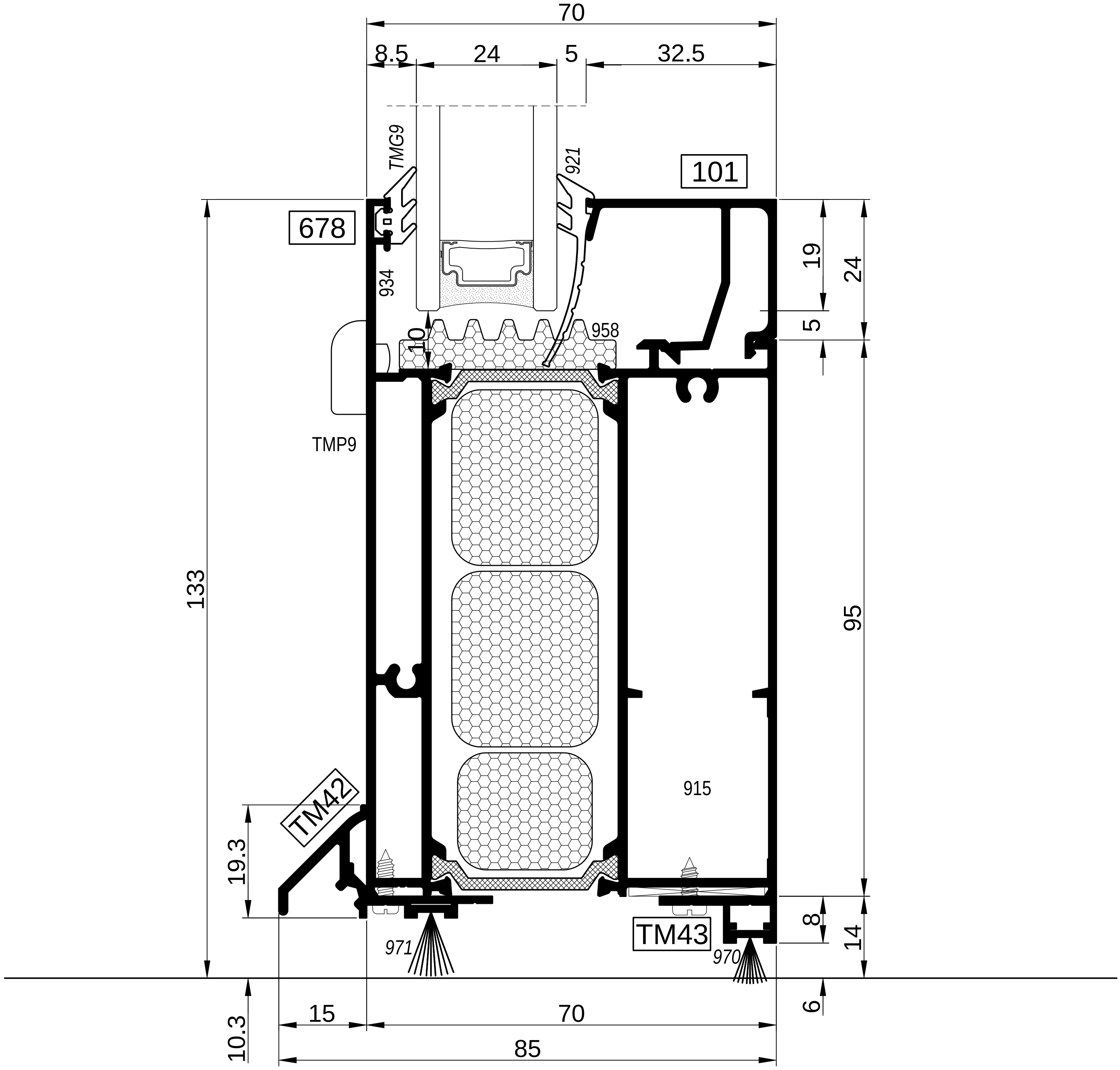
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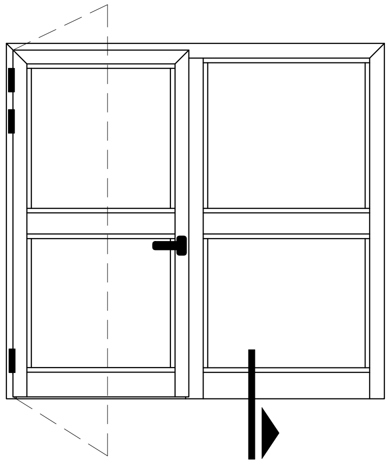

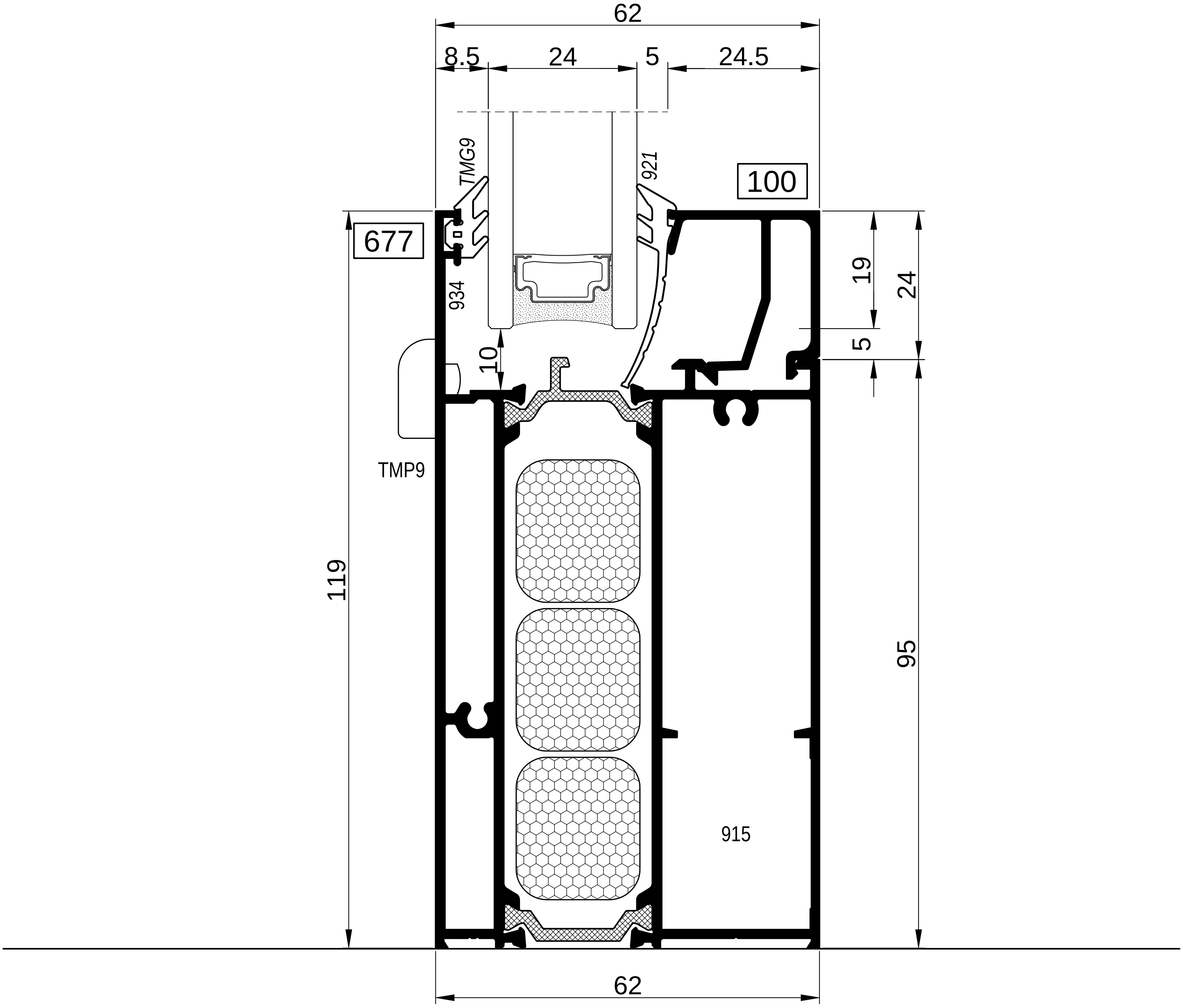

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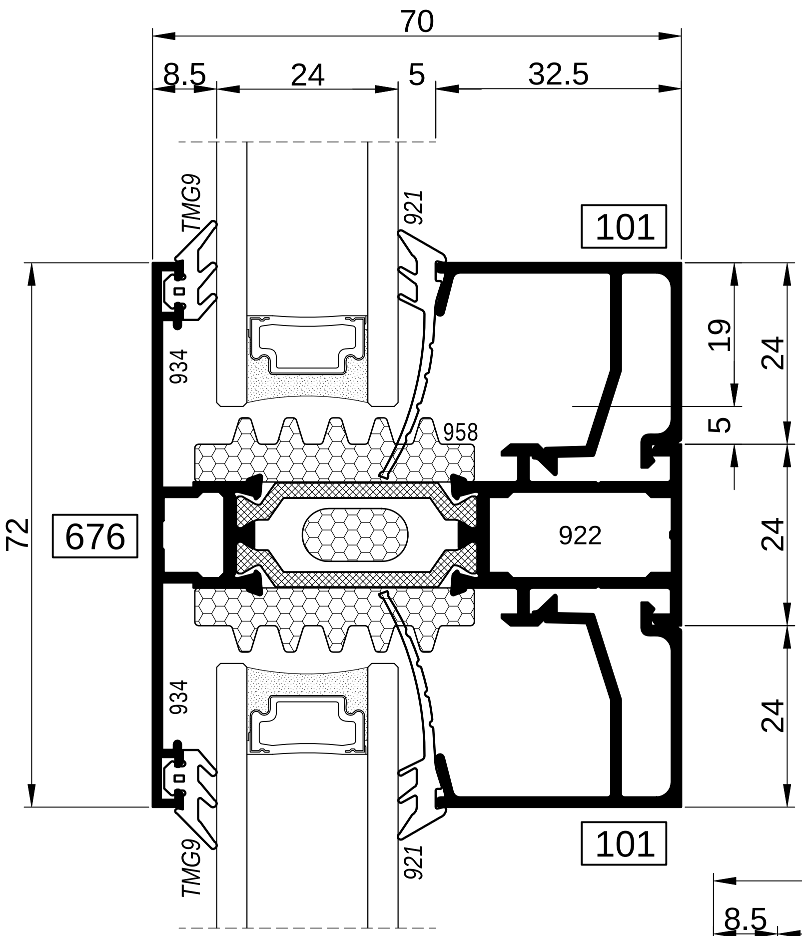
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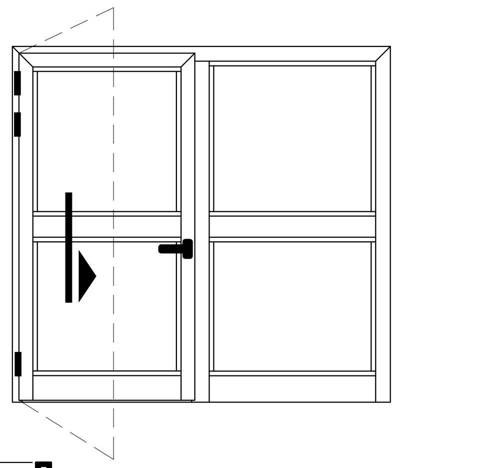

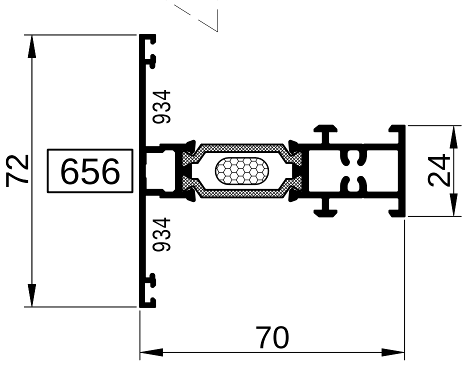
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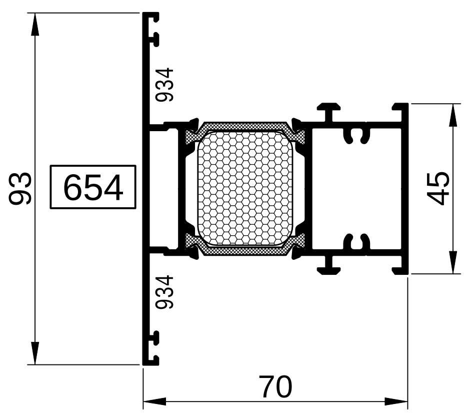
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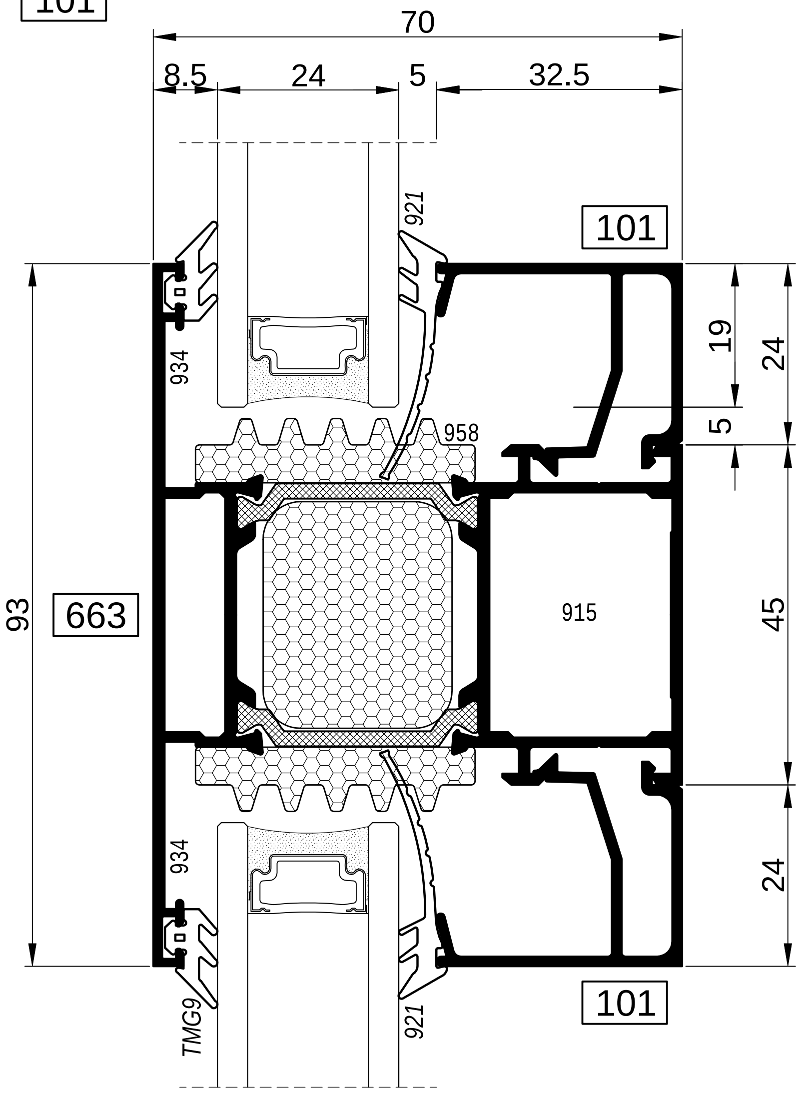
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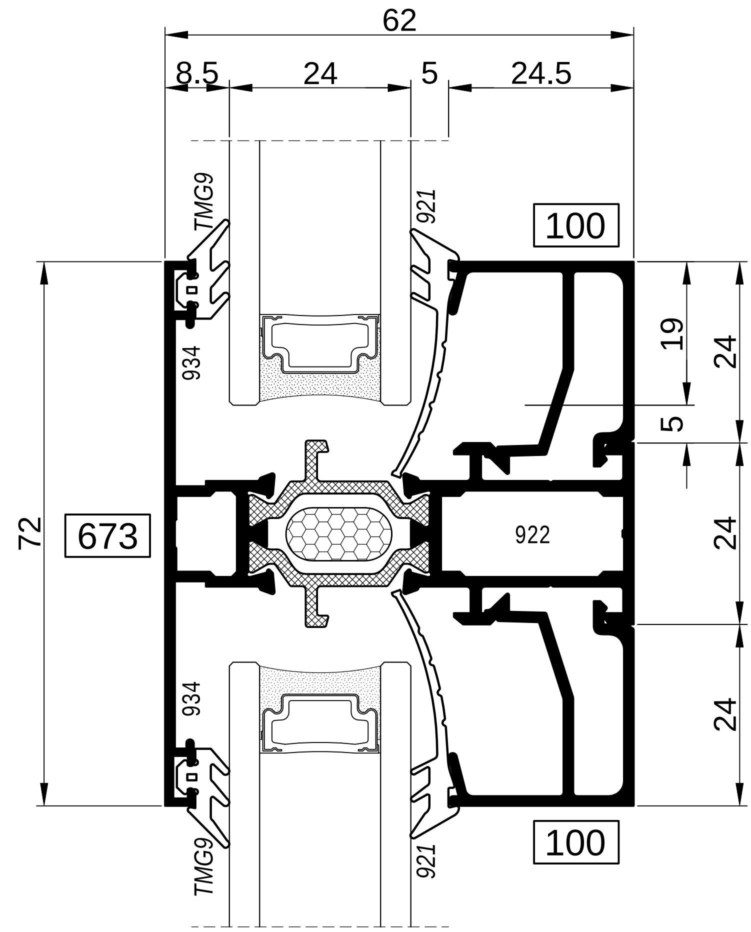
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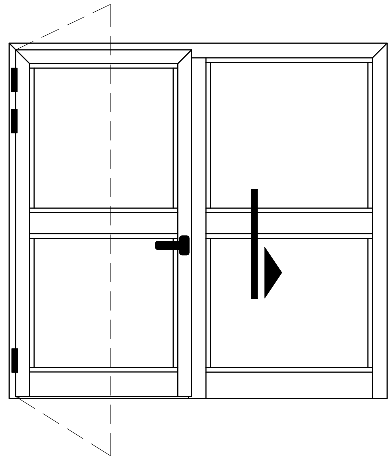

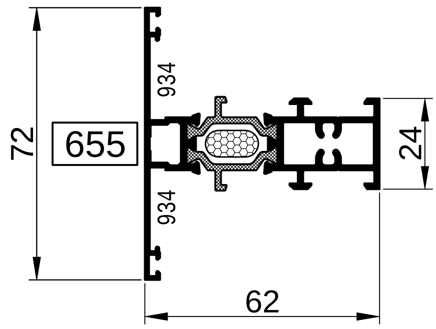
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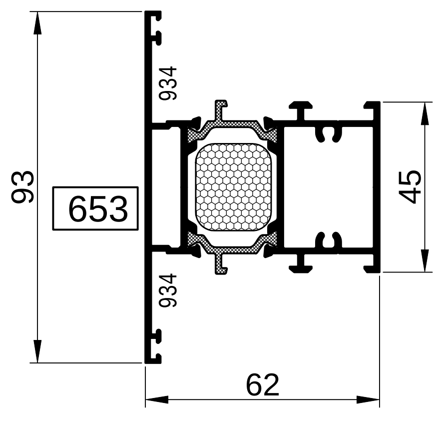
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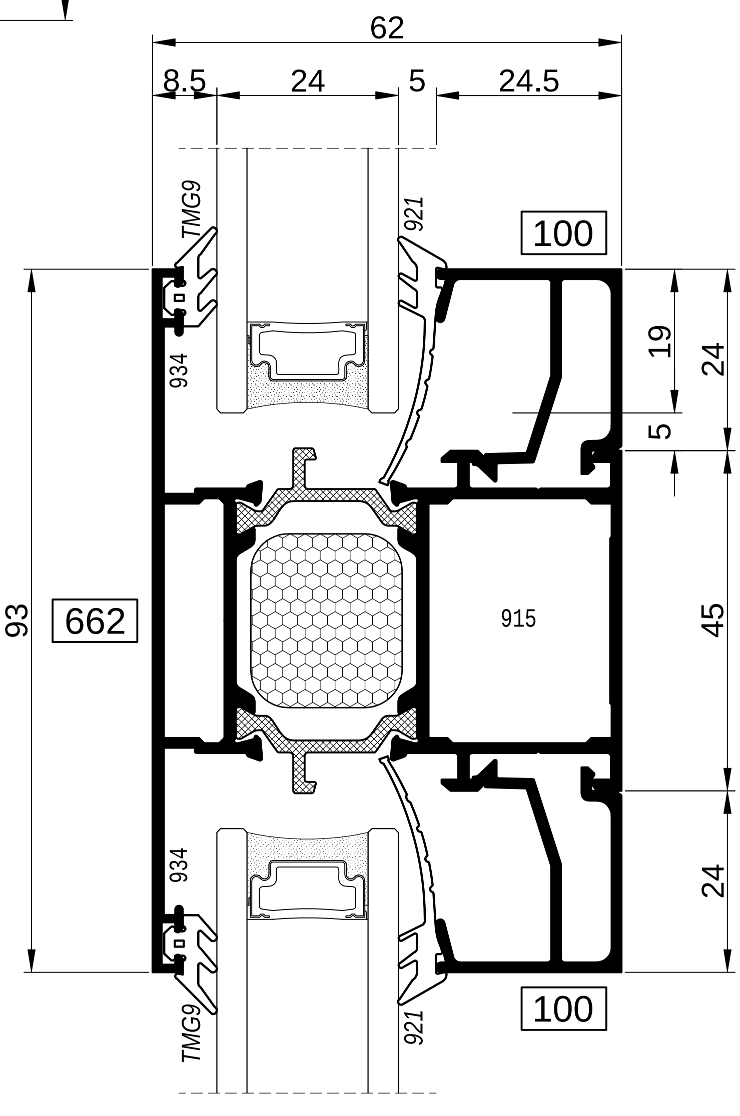
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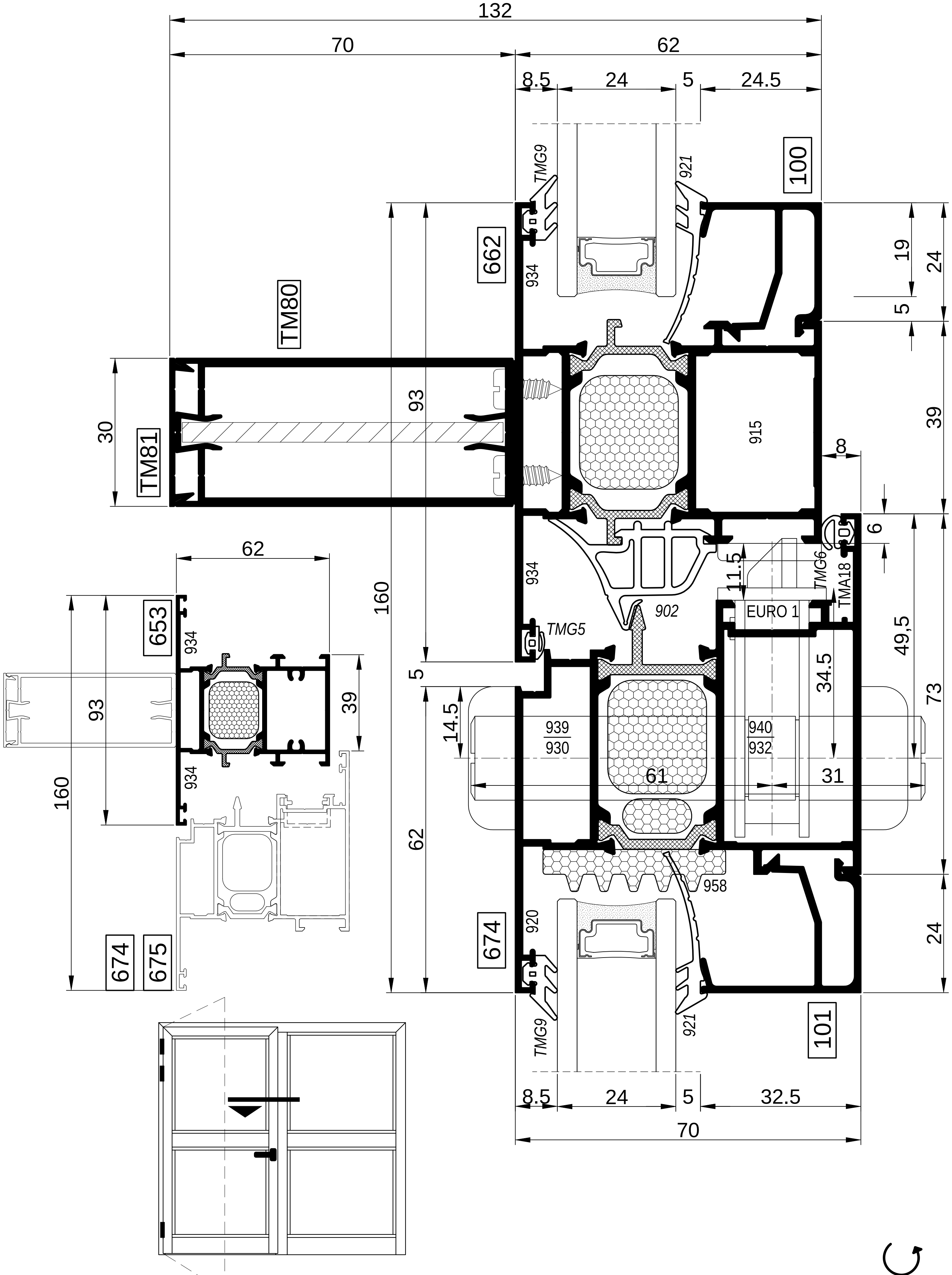
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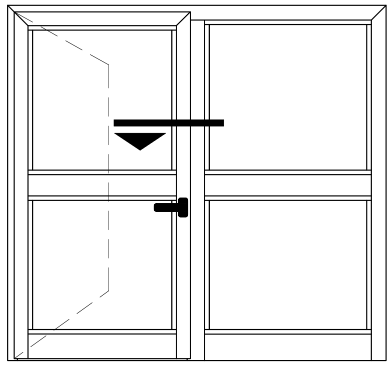

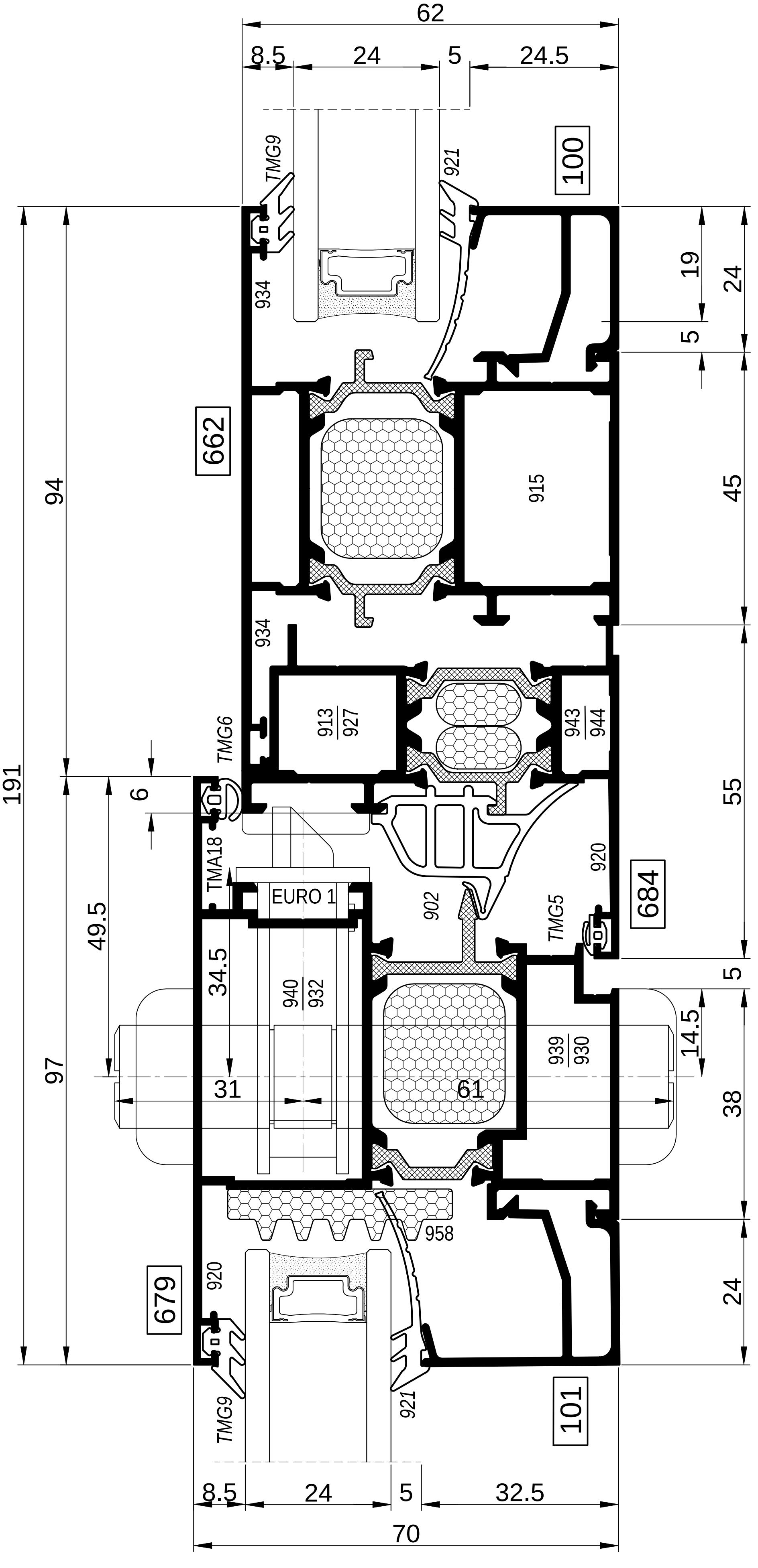
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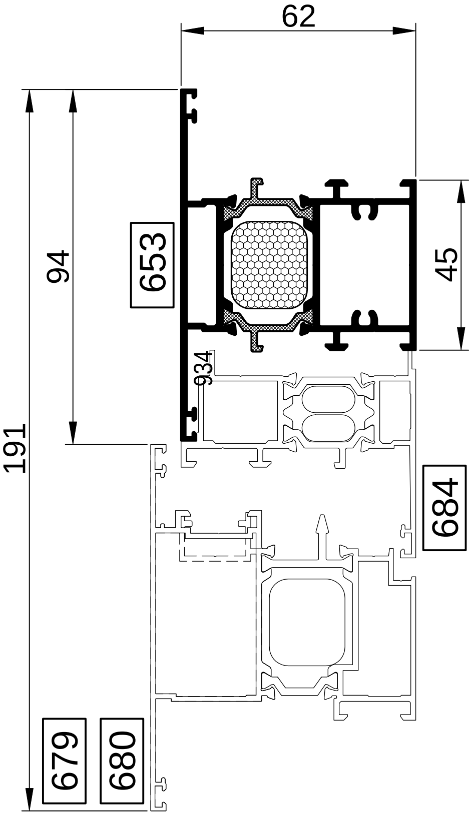
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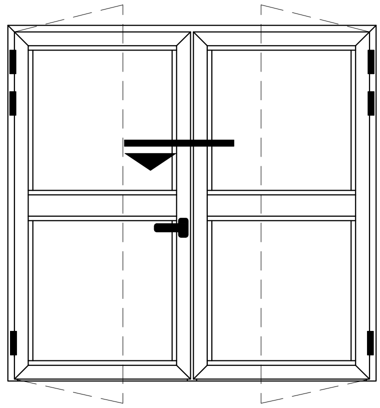

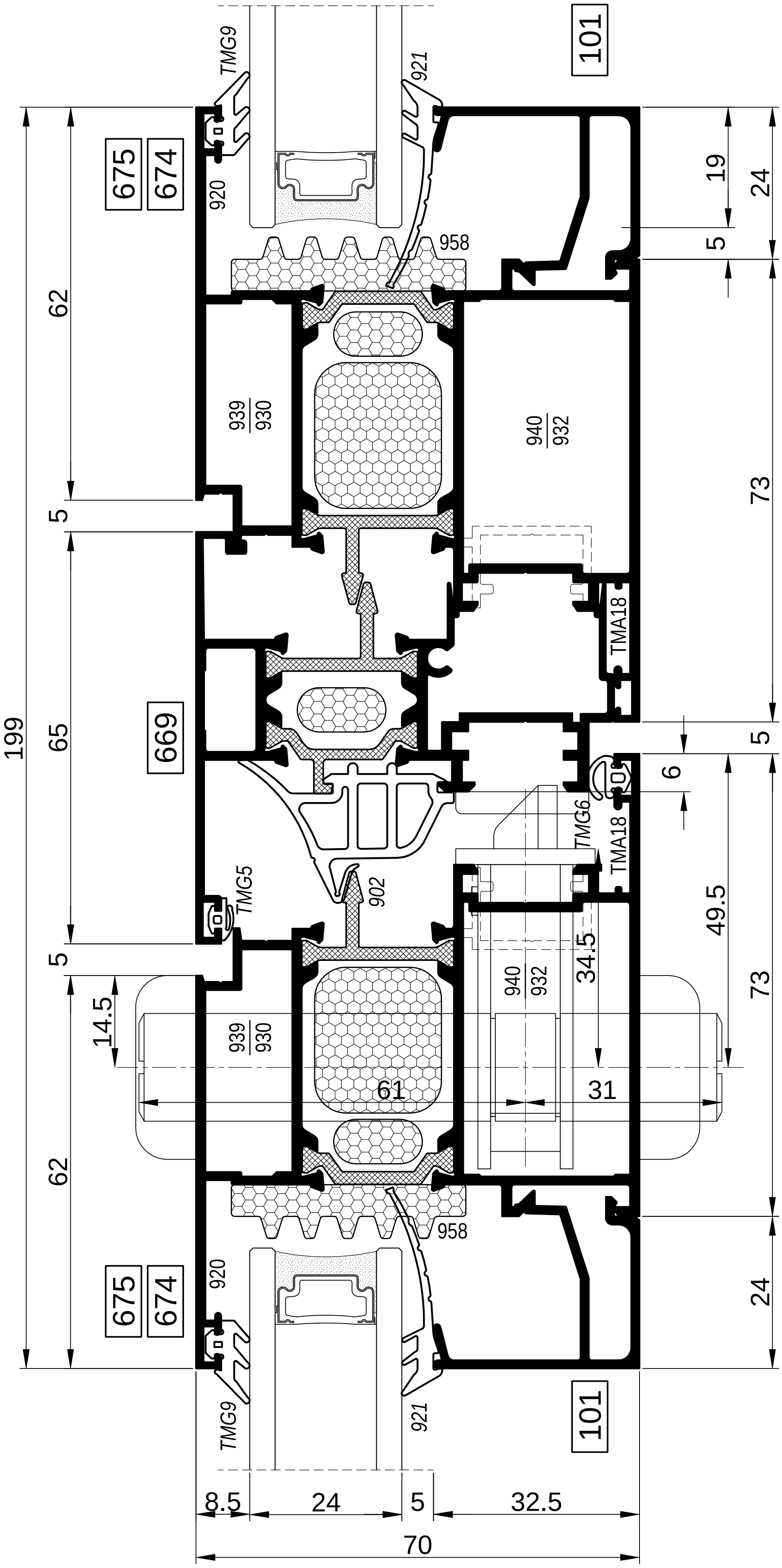
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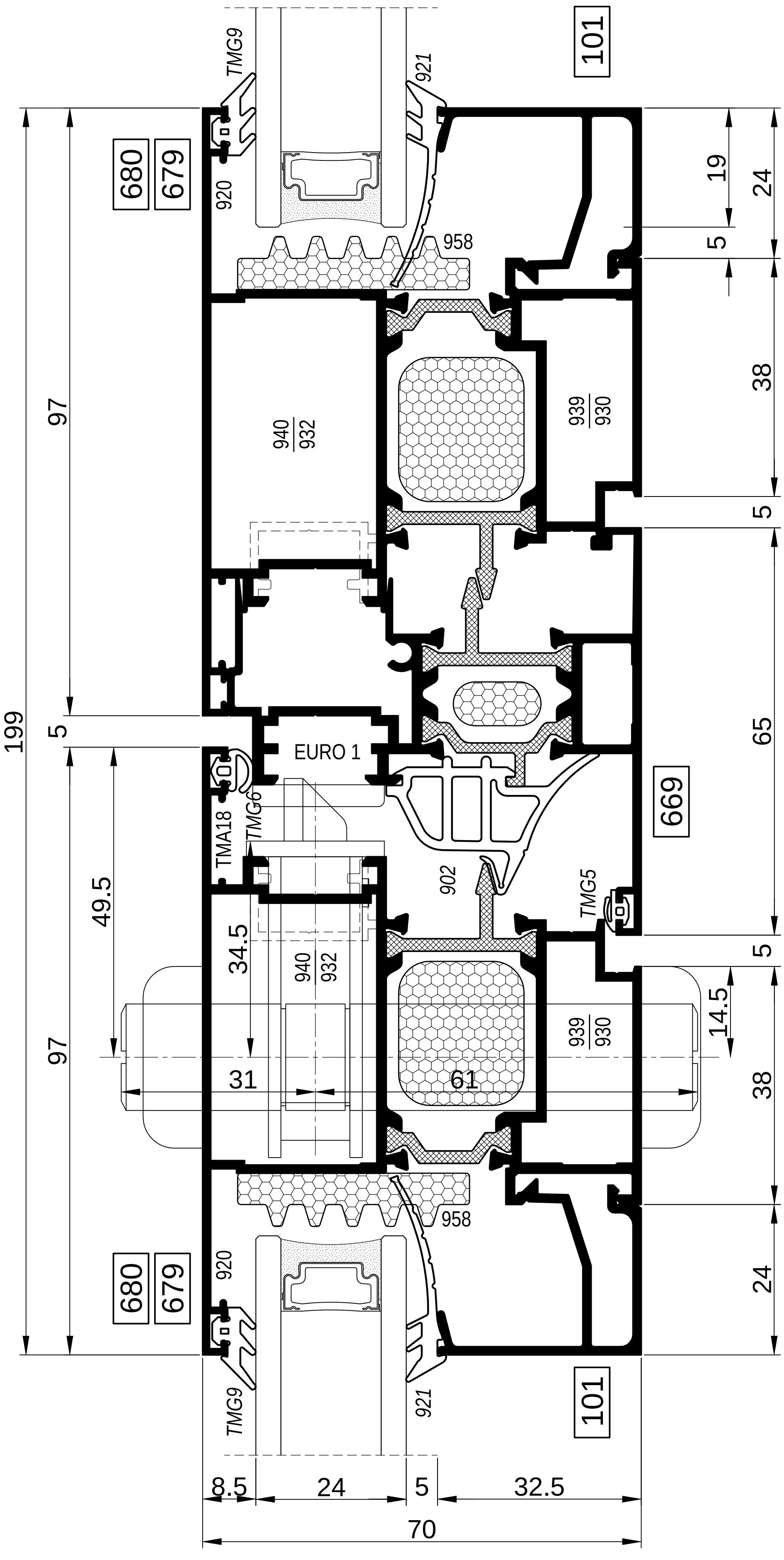
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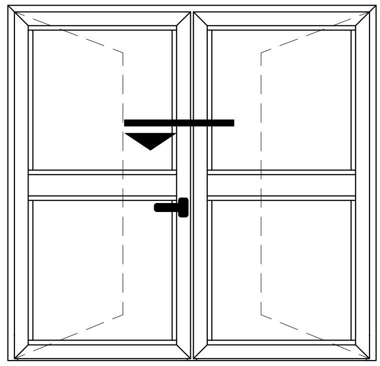


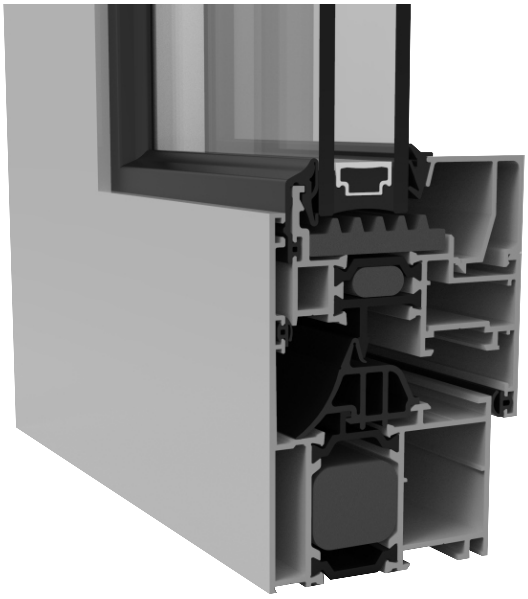
Sistem
System
Система

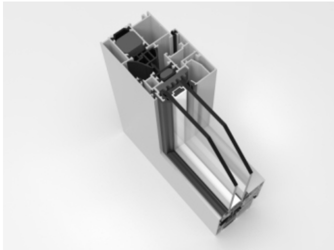
Block Therm 62

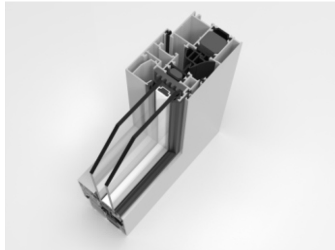
Sistem LINEAL BLOCK THERM 62

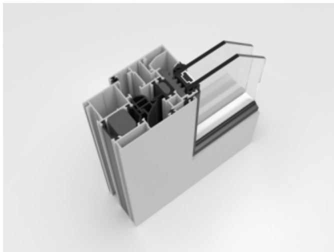
System LINEAL BLOCK THERM 62

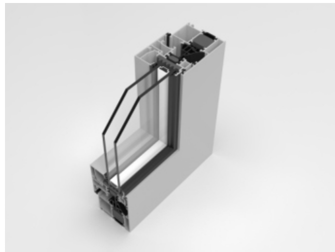
Система LINEAL BLOCK THERM 62











Tehnički opis sistema

Sistem LINEAL BLOCK THERM 62 je jedan od osam iz serije LINEAL i predstavlja sistem aluminijumskih profila sa termičkim prekidom, specijalno projektovanih za izradu elemenata prozora sa ugradnom dubinom štoka od 62mm.Sistem je dizajniran tako da zadovoljava savremene zahteve na polju energetske efikasnosti, kao i ostale uslove nepohodne za bezbedan i udoban radni i životni prostor.Prilikom projektovanja elemenata sistema posebna pažnja je posvećena odabiru materijala koji vrše funkciju termičkog prekida u sklopu sistemskih profila. Na ovaj način su postignute maksimalne termoizolacione karakteristike Uf ⩾2,2W/m²K, odnosno Uw⩾1,1W/m²K.

- Aluminijumski profili su proizvedeni postupkom ekstruzije u pogonima Tehnomarket-a. Sirovina za proizvodnju profila je primarna legura aluminijuma sa oznakom AlMgSi0,5 (AA6063 i 6060) i zateznom čvrstoćom profila od minimalno 210KN/mm².
- Poliamidne trake (PA 6,6 sa 25% staklenih vlakana) širine 24mm međusobno spajaju spoljašnje i unutrašnje aluminijumske delove u gotove profile, a pored funkcije mehaničkog spajanja, obezbeđuju i termički prekid. Garantovana sila smicanja spoljnog i unutrašnjeg aluminijumskog profila, povezanih poliamidnim trakama, se kontroliše u toku proizvodnje.
- Pojačana termička svojstva postignuta su dodatno putem sunđerastih ispuna u slobodnim komorama u zoni poliamida.
- Izolaciona svojstva sistema potvrđena su kroz rezultate ispitivanja toplotnih performansi. Takođe, ispitivanja su urađena i za otpornost na udare vetra, propuštanje vazduha i vode, kao i za zvučnu izolaciju.
- Block sistem odlikuje specifični dizajn profila kako bi se postigao efekat skrivenog krila u prozorskim elementima, kada ne postoji vizuelna razlika između fiksnih i otvorivih polja u prozorskom elementu ili nizu što doprinosi modernom, minimalističnom dizajnu.
- Sistem omogućava ugradnju standardnog okova u EURO 1 žljeb i okova za PVC u EURO 16mm žljeb.
- Sistem podržava ispune uključujući i staklo pakete od 19 do 50mm sa EPDM zaptivkama koje poseduju integrisanu barijeru protiv produvavanja.
- Zaptivanje u zoni spoja štoka i krila je trostruko, preko tri trajno elastične EPDM zaptivke otporne na UV zračenje.
- Spajanje uglova pomoću ekstrudiranih patent spojnica ili spojnica za presovanje obezbeđeno je zatezanjem u svim komorama profila, što obezbeđuje siguran ugaoni spoj i preciznu geometriju gotovih elemenata.
- Kanalisanje kondenza i incidentne vode je regulisano preko slobodnih ravnih površina u komorama, dok je ventilisana spoljna komora duboka 20mm.
- Osnovna spoljašnja dimenzija štoka od 65mm omogućava idealan prihvat vođica roletne i komarnika. Unutrašnja širina štoka obezbeđuje idealan prostor za sabirnik trake roletne.

LINEAL BLOCK THERM 62

Technical description

System LINEAL BLOCK THERM 77 is one of eight from LINEAL series and it represents aluminium profile system with thermal break, specially designed for manufacturing of windows with frame depth of 62mm. System is designed to satisfy all contemporary demand for energy efficiency, as well as all other requirements for safe and comfortable living and working environment. Special attention was addressed to selection of materials that for the thermal break within the profile. This way, maximal isolation values of Uf ≥2,20W/m²K, or Uw ≥1,1 W/m²K, were achieved.

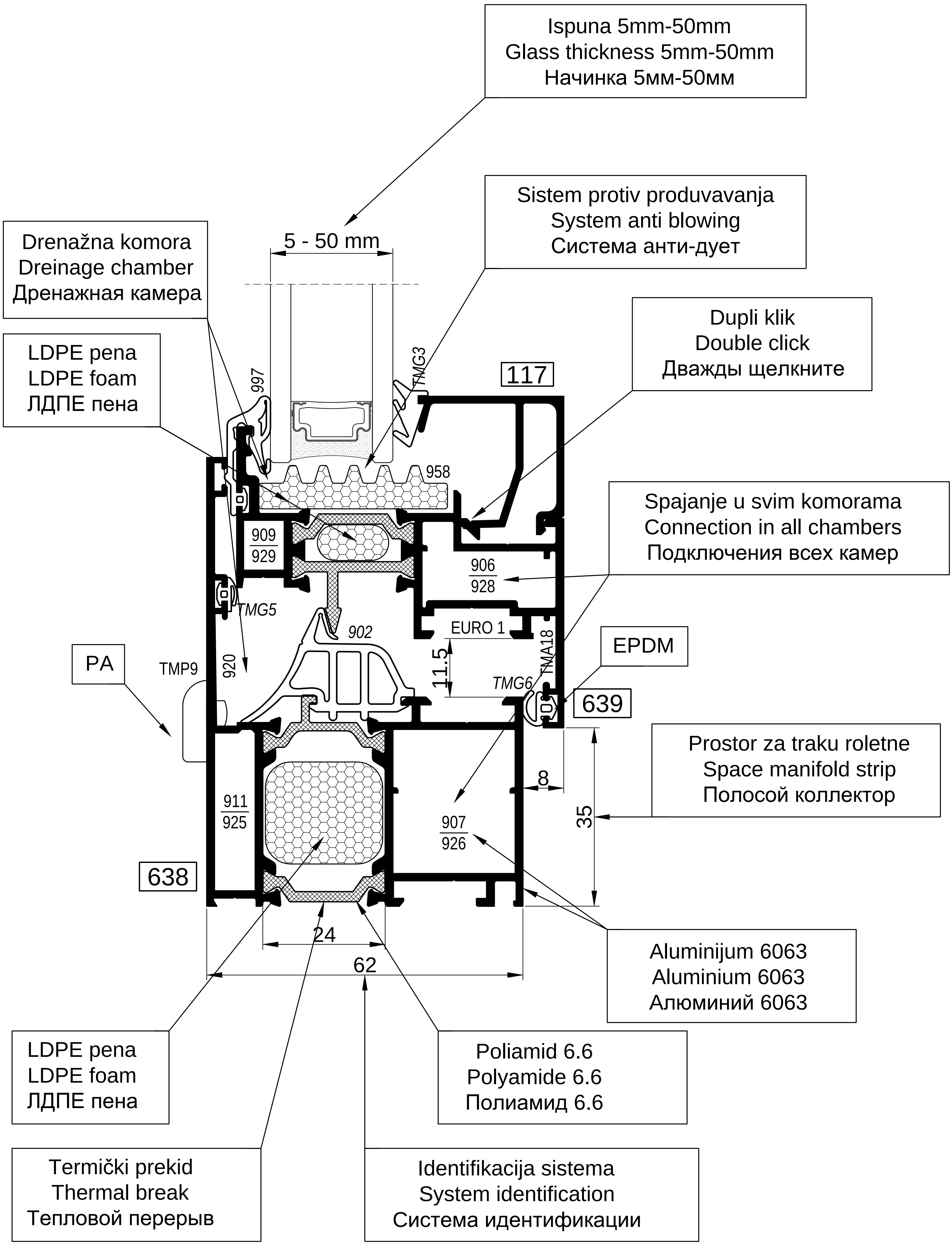
- Aluminium profiles were manufactured in Tehnomarket's own extrusion factory. The raw material used is primary aluminium alloy AlMgSi0.5 (AA6063 and AA 6060) with minimum tensile strength of 210KN/mm².
- 24mm wide Polyamide stripes (PA 6,6 with 25% glass fibers) connect inner and outer aluminium parts into finished profiles, and beside functioning as a mechanical bond they also provide a thermal break. Guaranteed shearing force for profiles connected with polyamide stripes is strictly controlled during production.
- Exceptional thermic performance was achieved with foam - filled chambers in polyamide area.
- Insulating performance of the complete system was confirmed through thermal performance testing. At the same time, wind load, air and water permeability and sound insulation were tested as well.
- Block system features distinctive profile design in order to achieve hidden sash effect in window elements, when there is no visual difference between fixed and opening sashes in window element / row that contributes to modern, minimal design.
- System is compatible with both EURO 1 and EURO 16mm groove standards for hardware installation.
- System allows glass packages from 19 to 50mm with EPDM gaskets that feature integrated anti-blowing barrier.
- The triple sealing between frame and sash is achieved with three separate EPDM gaskets resistant to UV light.
- Corner joining with extruded patent or press clips is achieved through all profile chambers, thus guaranteeing secure and precise joints and finished element geometry.
- Drainage of condensed and incidental water is regulated via free flat surfaces in profile chambers, while ventilated outer chamber features optimal width of 20mm.
- Basic outer frame width of 65mm allows for an ideal mounting surface for optimal placement of mosquito net and roll-shutter's guides. Internal width of the frame provides an ideal space for tape coiler.

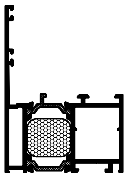
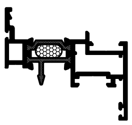
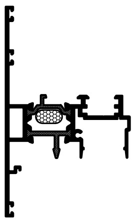
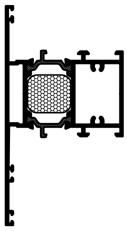
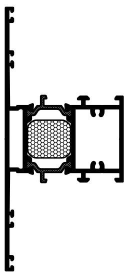
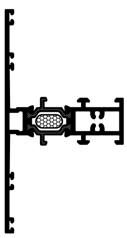
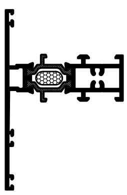
LINEAL BLOCK THERM 62

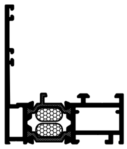
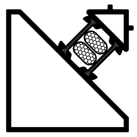
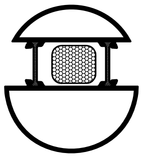
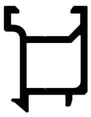
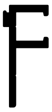
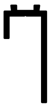
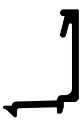
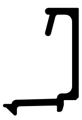
Техническое описание системы

Система LINEAL BLOCK THEPM 62- одна из восьми систем серии LINEAL и представляет систему алюминиевых профилей с термическим разрывом, специально разработанная для производства элементов окон с монтажной глубиной косяка от 62мм. Система разработанна для удовлетворения современных требований в области энергоэффективности, а также и других необходимых условия для безопасного и комфортного рабочего и жилого пространства. При проектировании элементов системы, особое внимание было уделено выбору материалов, которые выполняют функцию теплового разрыва внутри профиля. Таким образом, достигнуты максимальные теплоизоляционные свойства Uf ≥ 2,20W/м²K и Uw ≥ 1,1W/м²K.

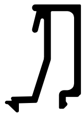
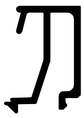
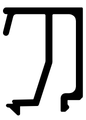
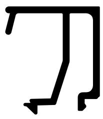
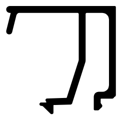
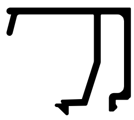
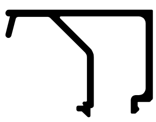
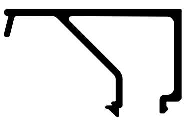
- Алюминиевые профили изготовлены способом экструзии в производственных цехах Техномаркета. Сырьем для производства профилей является первичный алюминиевый сплав с обозначением AlMgSi0,5 (AA6063 и 6060) и с минимальной прочностью на разрыв профиля 210KN/мм².
- Полиамидные полоски (PA 6,6 с 25% стекловолокна) шириной 24мм и сотовые мульти камерные структуры взаимосвязывают внешние и внутренние алюминиевые части в готовых профилях. Кроме функции механического соединения обеспечивают и тепловой разрыв. Гарантированная сила сдвига внешнего и внутреннего алюминиевого профиля, которые связаны полиамидными полосками, контролируется в процессе производства.
- Усиление термических свойств, достигается дополнительно путем губчатых заполнений в свободных камерах в зоне полиамида.
- Изоляционные свойства системы потверждены результатами испытаний тепловых характеристик. Кроме того, были проведены испытания устойчивости на удары ветра, пропуск воздуха и воды, как и звукоизоляции.
- Блок система имеет особый дизайн профиля для достижения эффекта скрытой створки в элементах окна, когда нет визуальной разницы между фиксированными и открытыми полями в элементе или серии окон, что способствует современному минималистскому дизайну.
- Система позволяет установку установку стандартной фурнитуры в EURO 1 желоб и фурнитуры для ПВХ в EURO 16мм желоб.
- Система поддерживает и заполнения, включая и стеклопакеты от 19 до 50мм, с EPDM прокладками, которые имеют интегрированный барьер против выдувания.
- Уплотнение в зонах соединений косяка и створки - тройное, с тремя постоянно упругими прокладками EPDM, которые устойчивы к UV-излучению.
- Сцепление углов, с помощью экструдированных сцепных устройств или сцепных устройств для прессовки, обеспеченное затяжкой во всех камерах профиля, что обеспечивает недежное соединение углов и точную геометрию готовых элементов.
- Направление конденсации и случайных вод регулируется через свободные ровные поверхности в камерах, в то время как вентилируемая внешная камера имеет глубину 20мм.
- Основной внешний размер косяка от 65мм позволяет идеальный прием направляющей жалюзи и противомоскитных сеток. Внутренняя ширина косяка обеспечивает идеальное место для коллектора полосок жалюзи.

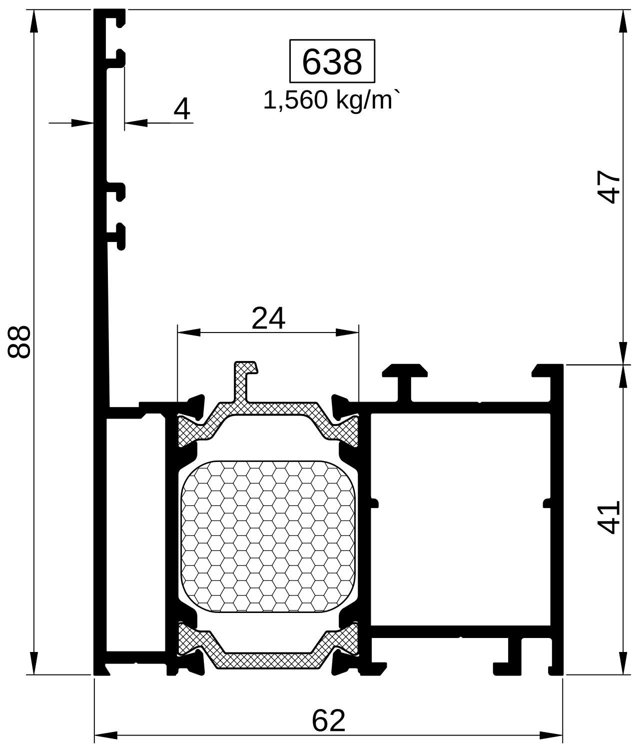

Ispuna 5mm-50mm
Glass thickness 5mm-50mm
Начинка 5мм-50мм
Sistem protiv produvavanja
System anti blowing
Система анти-дует
Drenažna komora
Dreinage chamber
Дренажная камера
5 - 50 mm
LDPE pena
LDPE foam
ЛДПЕ пена
Dupli klik
Double click
Дважды щелкните
117
997
TMG3
958
909
929
Spajanje u svim komorama
Connection in all chambers
Подключения всех камер
906
928
TMG5
902
EURO 1
PA
TMP9
920
11.5
TMA18
EPDM
TMG6
639
Prostor za traku roletne
Space manifold strip
Полосой коллектор
8
911
925
907
926
35
638
24
62
Aluminijum 6063
Aluminium 6063
Алюминий 6063
LDPE pena
LDPE foam
ЛДПЕ пена
Poliamid 6.6
Polyamide 6.6
Полиамид 6.6
Termički prekid
Thermal break
Тепловой перерыв
Identifikacija sistema
System identification
Система идентификации

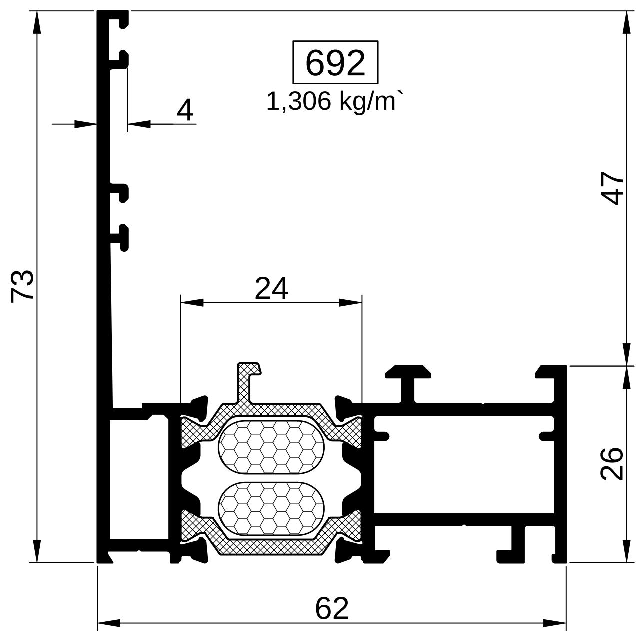
	Oznaka Mark Марк kg/m'	Opis Description Описание	Ix Iy			a a	b b
	638	Štok Frame	34,33	911	907	920	-
	1,560	Рама	15,31	925	926	920	-
	639	Prozorsko krilo - EURO 1 Casement -EURO 1	21,55	909	906	-	920
	1,185	Оконная створка -ЕУРО 1	2,77	929	928	-	920
	640	Veza dvokrilnog prozora - EURO 1 French casement adaptor -EURO 1	22,88	-	-	-	-
	1,497	Соединительный профиль двойног окна -ЕУРО 1	25,55	-	-	-	-
	641	Prečka u štoku T profile in frame	25,87	-	-	934 x2	-
	1,782	Т профиль в раме	38,62	-	-	934 x2	-
	642	Prečka u štoku T profile in frame	32,56	-	-	934 x2	-
	1,913	Т профиль в раме	50,73	-	-	934 x2	-
	693	Prečka u štoku T profile in frame	27,16	-	-	934 x2	-
	1,501	Т профиль в раме	27,71	-	-	934 x2	-
	694	Prečka u štoku T profile in frame	25,44	-	-	934 x2	-
	1,371	Т профиль в раме	13,94	-	-	934 x2	-

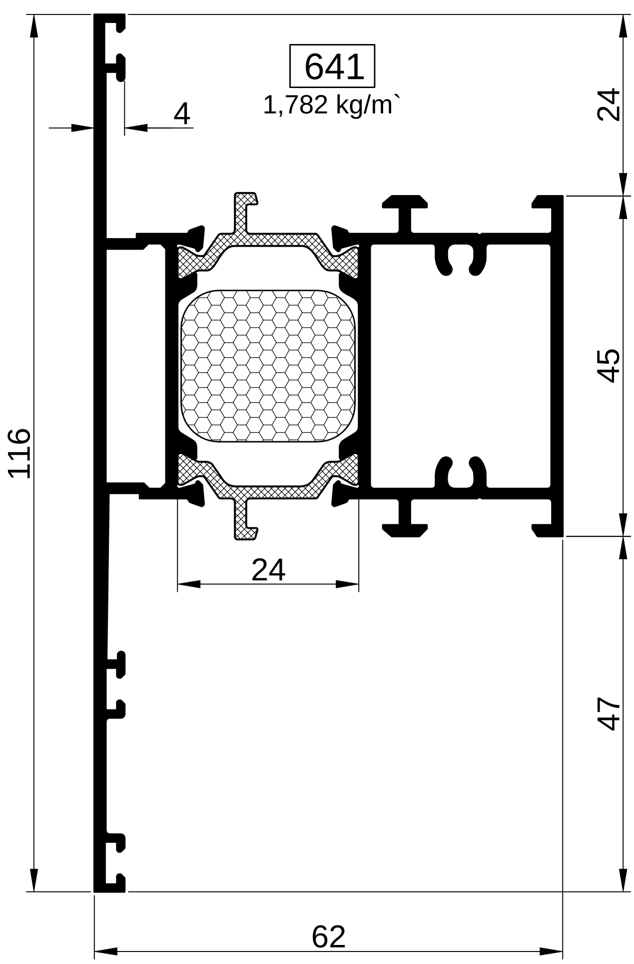
	Oznaka / Mark / Марк	Opis / Description / Описание	cm^4 Ix / Iy			a / a	b / b
	692	Štok / Frame	25,97	943	906	920	-
	1,306	Рама	8,76	944	928	920	-
	650	Ugaoni profil -90° / Angle connector -90°	25,7	-	-	-	-
	1,682	Угловой профиль - 90º	30,7	-	-	-	-
	651	Ugaoni profil / Angle connector	22,6	-	-	-	-
	1,662	Угловой профиль	29,4	-	-	-	-
	128	Dodatni profil / Additional profile	-	-	-	-	-
	0,346	Дополнительный профиль	-	-	-	-	-
	126	Profil za spoj / Profile for the connection	-	-	-	-	-
	0,193	Профиль для связи	-	-	-	-	-
	110	Opšivni profil / Casing profile	-	-	-	-	-
	0,133	Обшивка	-	-	-	-	-
	TM33	Pogonska letva / Mechanism rod	-	-	-	-	-
	0,152	Стержень для механизма	-	-	-	-	-
	124	Držač stakla - 4,5mm / Glazing bead - 4,5mm	-	-	-	-	-
	0,200	Подстаканник - 4,5мм	-	-	-	-	-
	123	Držač stakla - 8,5mm / Glazing bead - 8,5mm	-	-	-	-	-
	0,211	Подстаканник - 8,5мм	-	-	-	-	-

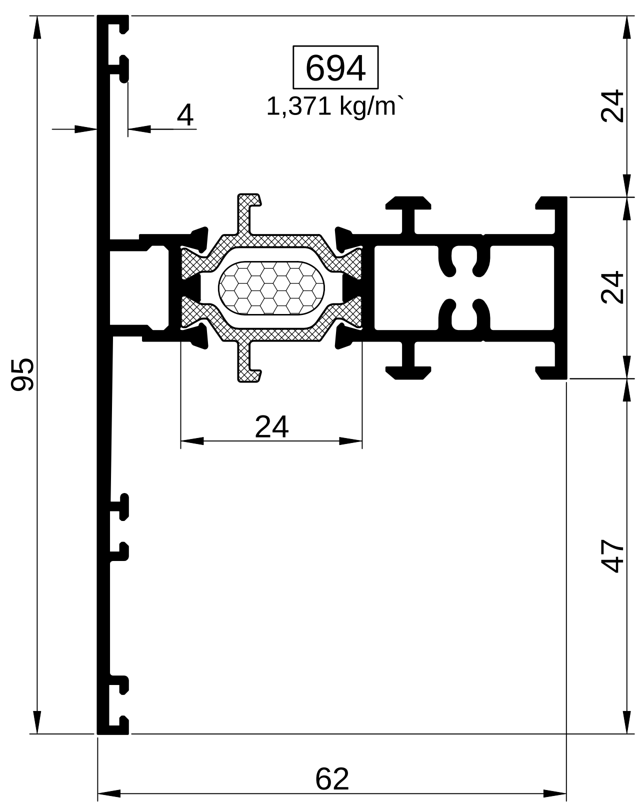
kg/m`

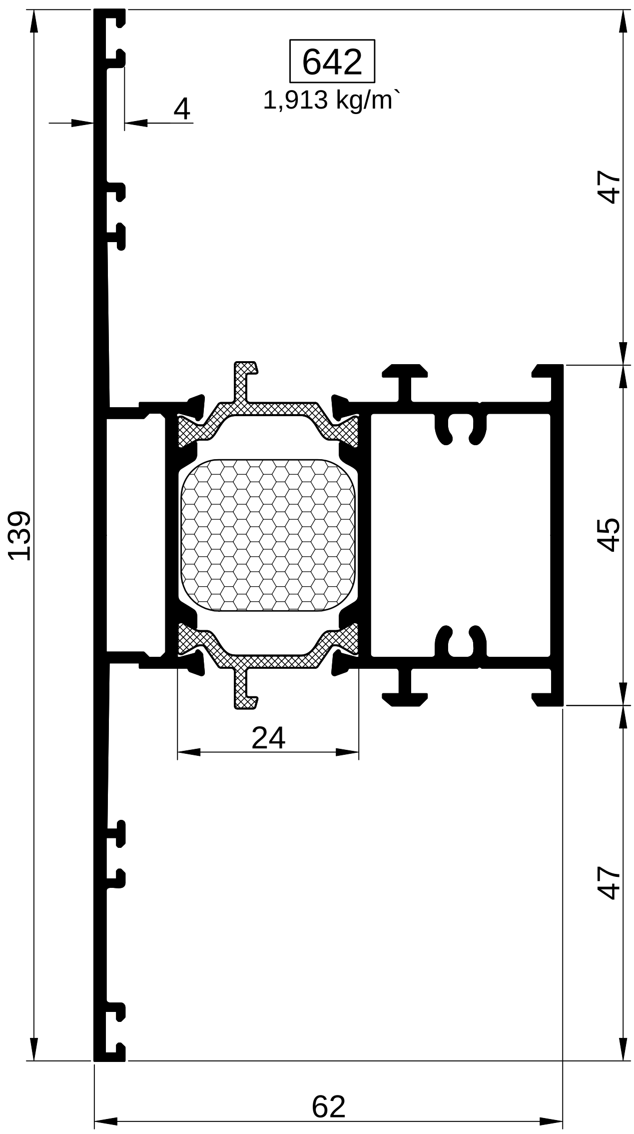
	Oznaka Mark Марк	Opis Description Описание	x cm^4 y			a	b
	kg/m'		Ix Iy			a a	b b
	122	Držač stakla - 12,5mm Glazing bead - 12,5mm Подстаканник - 12,5мм	-	-	-	-	-
	0,296		-	-	-	-	-
	106	Držač stakla -16,5mm Glazing bead -16,5mm Подстаканник -16,5мм	-	-	-	-	-
	0,302		-	-	-	-	-
	116	Držač stakla -20,5mm Glazing bead -20,5mm Подстаканник -20,5мм	-	-	-	-	-
	0,320		-	-	-	-	-
	100	Držač stakla -24,5mm Glazing bead -24,5mm Подстаканник -24,5мм	-	-	-	-	-
	0,330		-	-	-	-	-
	117	Držač stakla -28,5mm Glazing bead -28,5mm Подстаканник -28,5мм	-	-	-	-	-
	0,348		-	-	-	-	-
	101	Držač stakla -32,5mm Glazing bead -32,5mm Подстаканник -32,5мм					
	0,359						
	108	Držač stakla -38,5mm Glazing bead -38,5mm Подстаканник -38,5мм					
	0,393						
	107	Držač stakla -46,5mm Glazing bead -46,5mm Подстаканник -46,5мм					
	0,447						

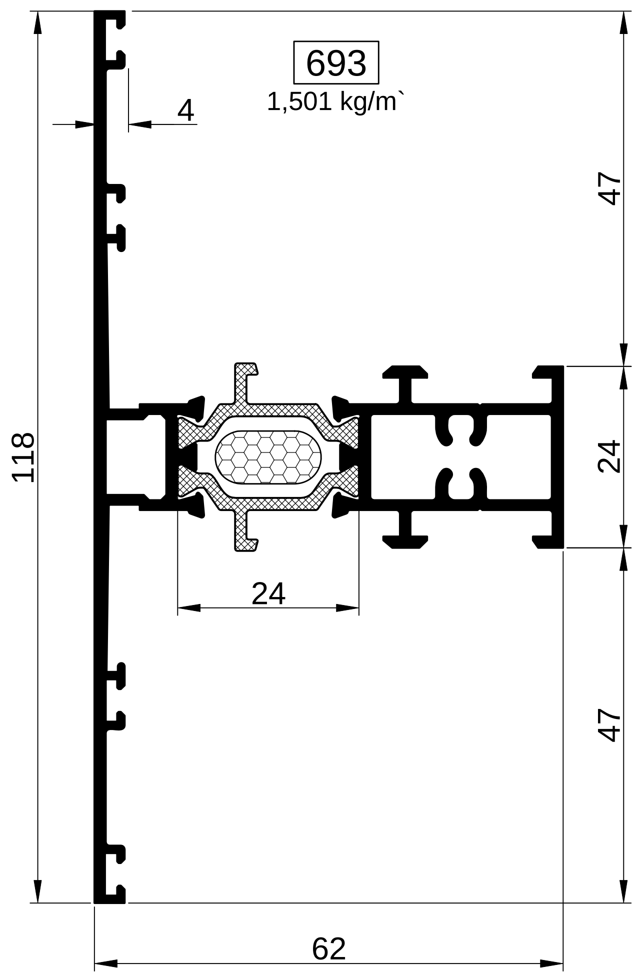

638
1,560 kg/m`
4
24
88
47
41
62

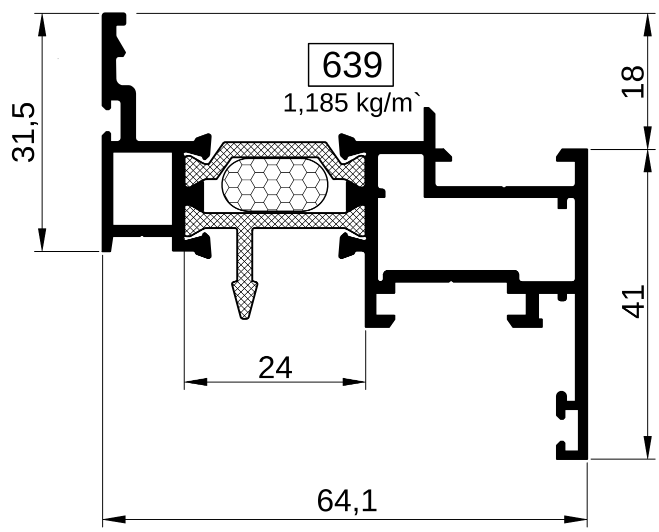

692
1,306 kg/m`
4
24
73
47
26
62

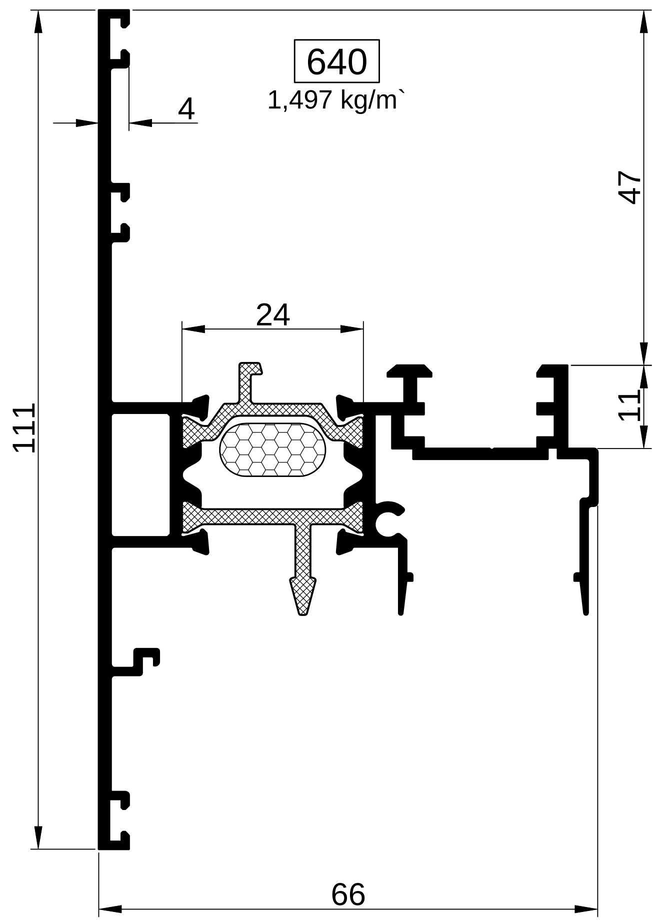

641
1,782 kg/m`
4
24
45
47
116
24
62

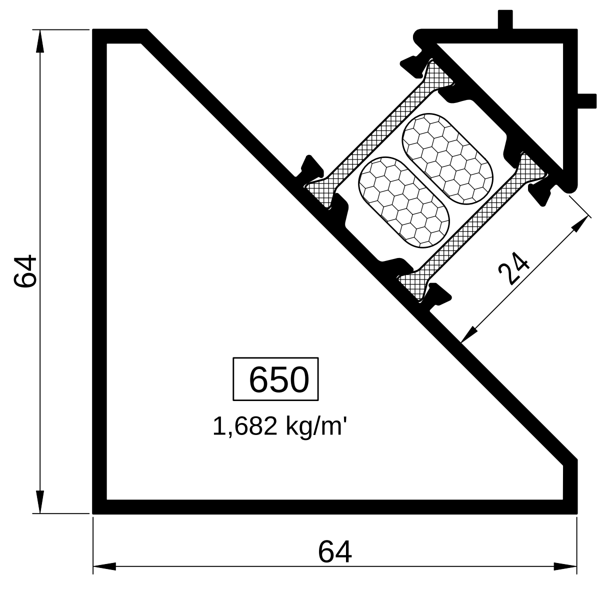

694
1,371 kg/m`
4
24
24
24
95
47
62

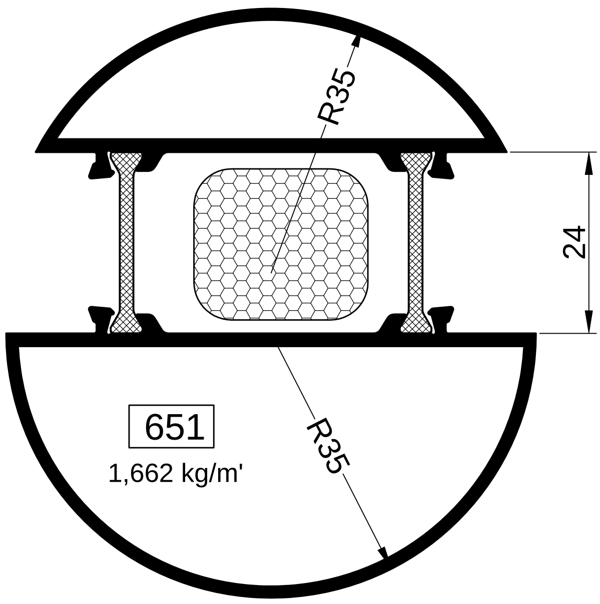

642
1,913 kg/m`
4
47
45
47
139
24
62

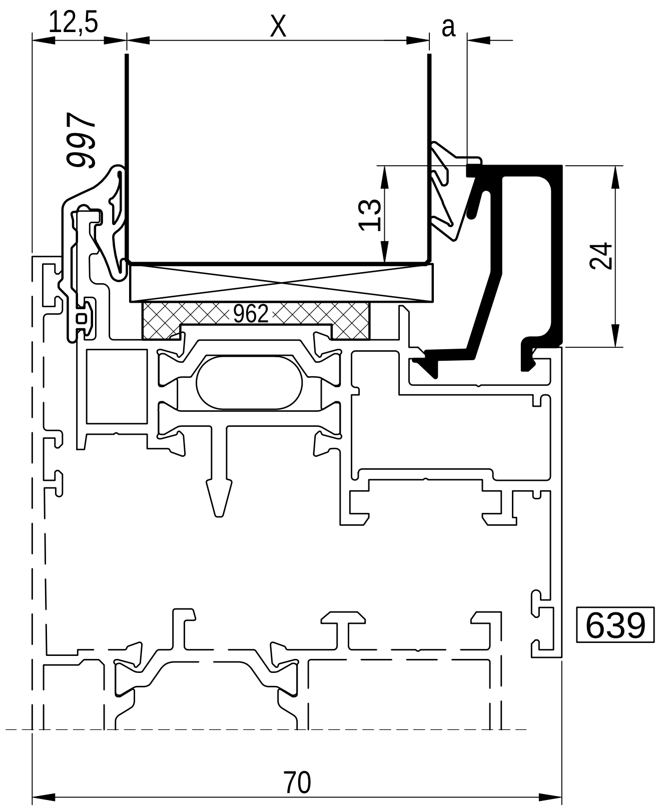

693
1,501 kg/m`
4
47
24
47
118
24
62


639
1,185 kg/m`
31,5
18
41
24
64,1

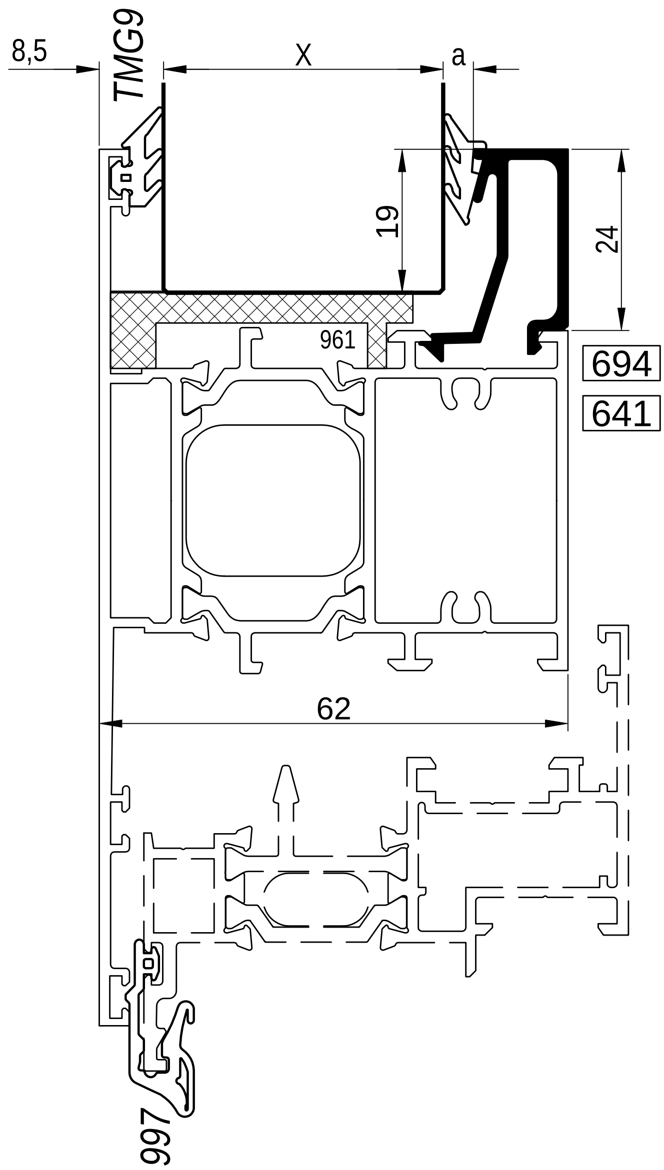

640
1,497 kg/m`
4
47
24
11
111
66

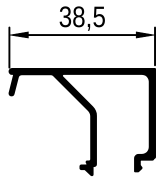
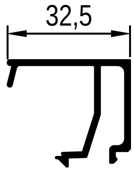
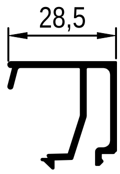
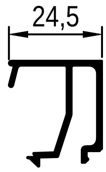
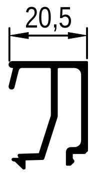
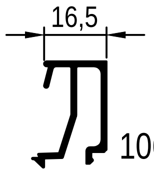
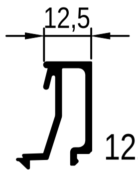
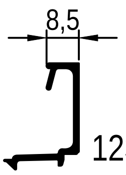
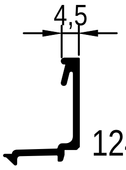

64
24
650
1,682 kg/m'
64

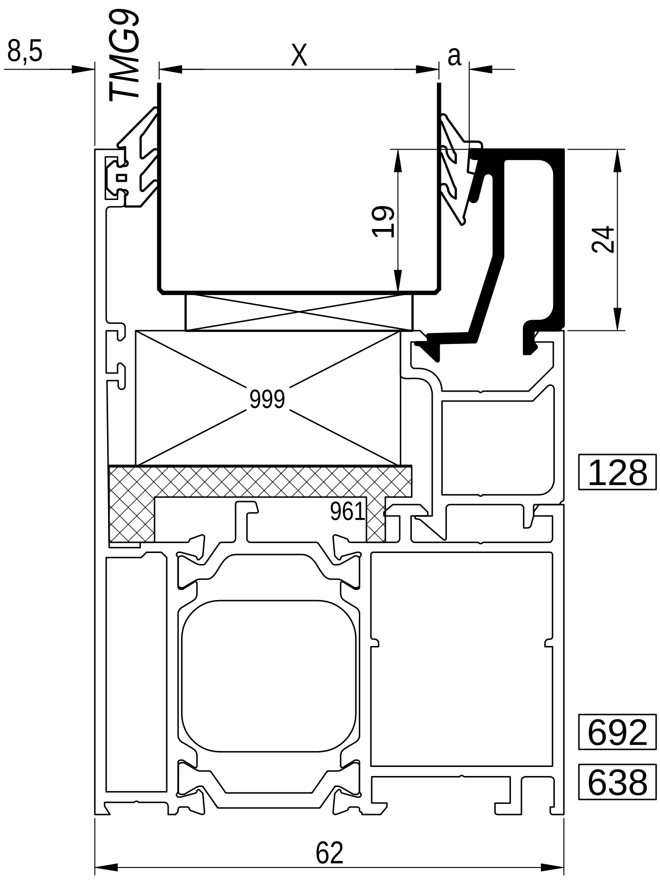

R35
24
651
1,662 kg/m'
R35



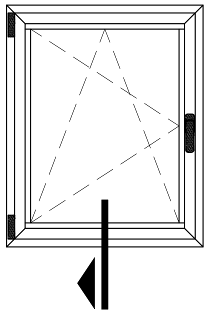
Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
5 - 6	TMG3	6 - 5	46,5 — 107
7 - 8	TMG2	4 - 3	
13 - 14	TMG3	6 - 5	38,5 — 108
15 - 16	TMG2	4 - 3	
19 - 20	TMG3	6 - 5	32,5 — 101
21 - 22	TMG2	4 - 3	
23 - 24	TMG3	6 - 5	28,5 — 117
25 - 26	TMG2	4 - 3	
27 - 28	TMG3	6 - 5	24,5 — 100
29 - 30	TMG2	4 - 3	
31 - 32	TMG3	6 - 5	20,5 — 116
33 - 34	TMG2	4 - 3	
35 - 36	TMG3	6 - 5	16,5 — 106
37 - 38	TMG2	4 - 3	
39 - 40	TMG3	6 - 5	12,5 — 122
41 - 42	TMG2	4 - 3	
43 - 44	TMG3	6 - 5	8,5 — 123
45 - 46	TMG2	4 - 3	
47 - 48	TMG3	6 - 5	4,5 — 124
49 - 50	TMG2	4 - 3	

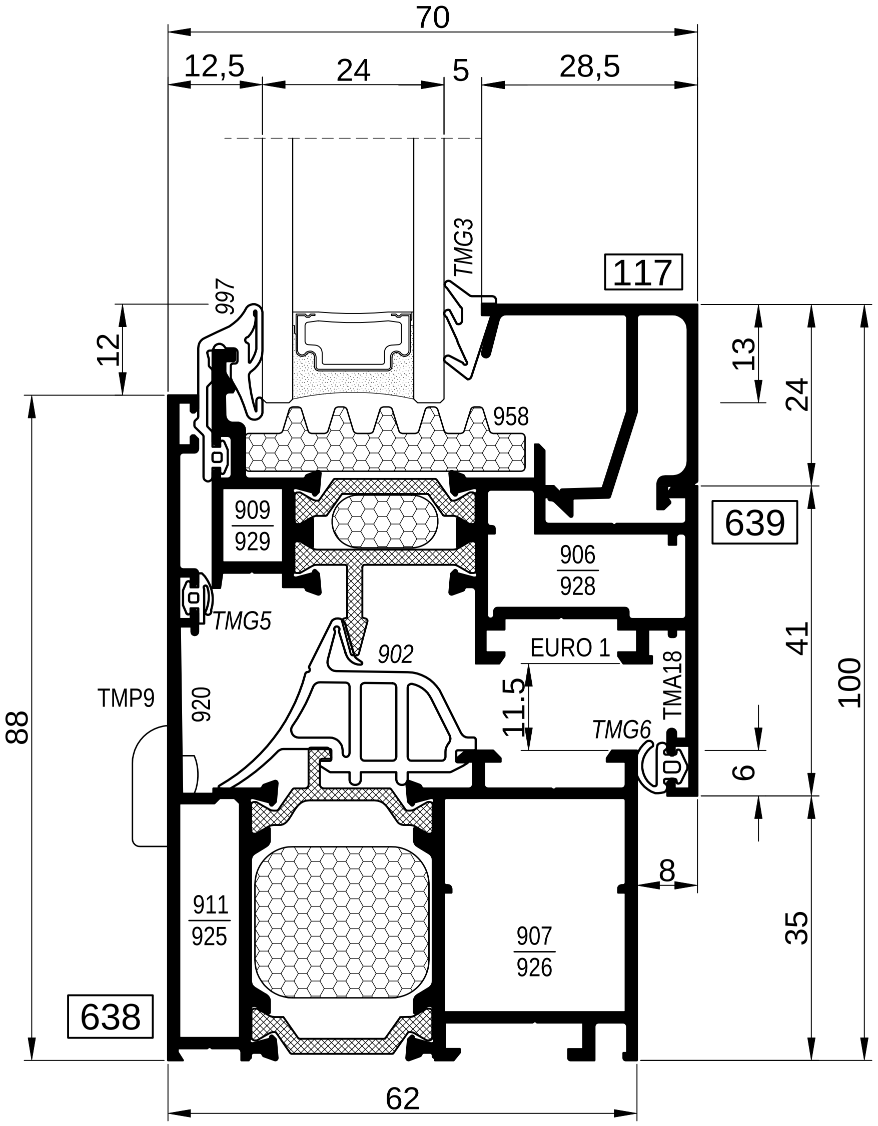


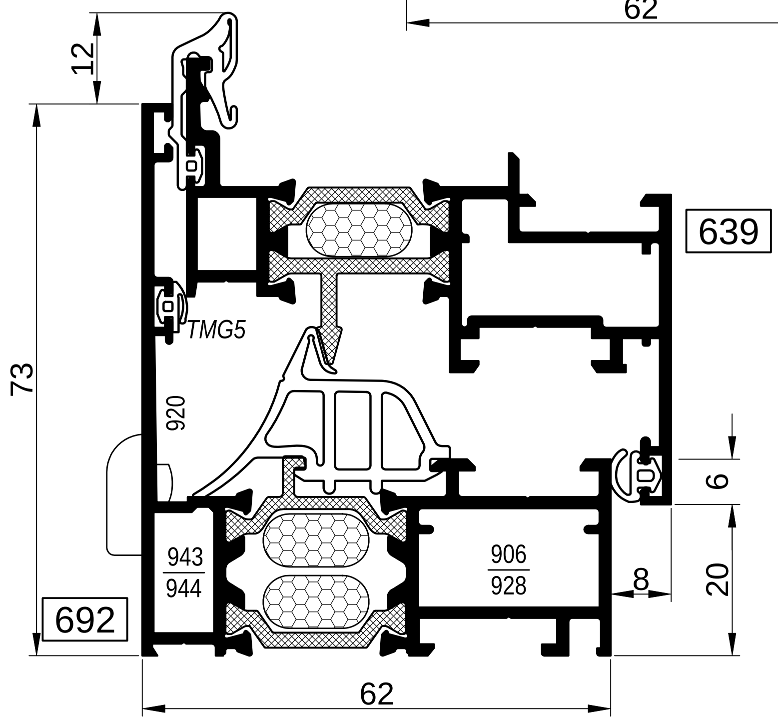
Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
9 - 10	TMG3	6 - 5	 108
11 - 12	TMG2	4 - 3	
15 - 16	TMG3	6 - 5	 101
17 - 18	TMG2	4 - 3	
19 - 20	TMG3	6 - 5	 117
21 - 22	TMG2	4 - 3	
23 - 24	TMG3	6 - 5	 100
25 - 26	TMG2	4 - 3	
27 - 28	TMG3	6 - 5	 116
29 - 30	TMG2	4 - 3	
31 - 32	TMG3	6 - 5	 106
33 - 34	TMG2	4 - 3	
35 - 36	TMG3	6 - 5	 122
37 - 38	TMG2	4 - 3	
39 - 40	TMG3	6 - 5	 123
41 - 42	TMG2	4 - 3	
43 - 44	TMG3	6 - 5	 124
45 - 46	TMG2	4 - 3	

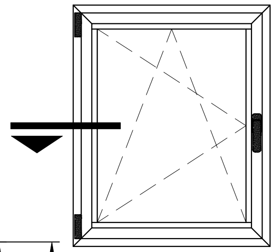


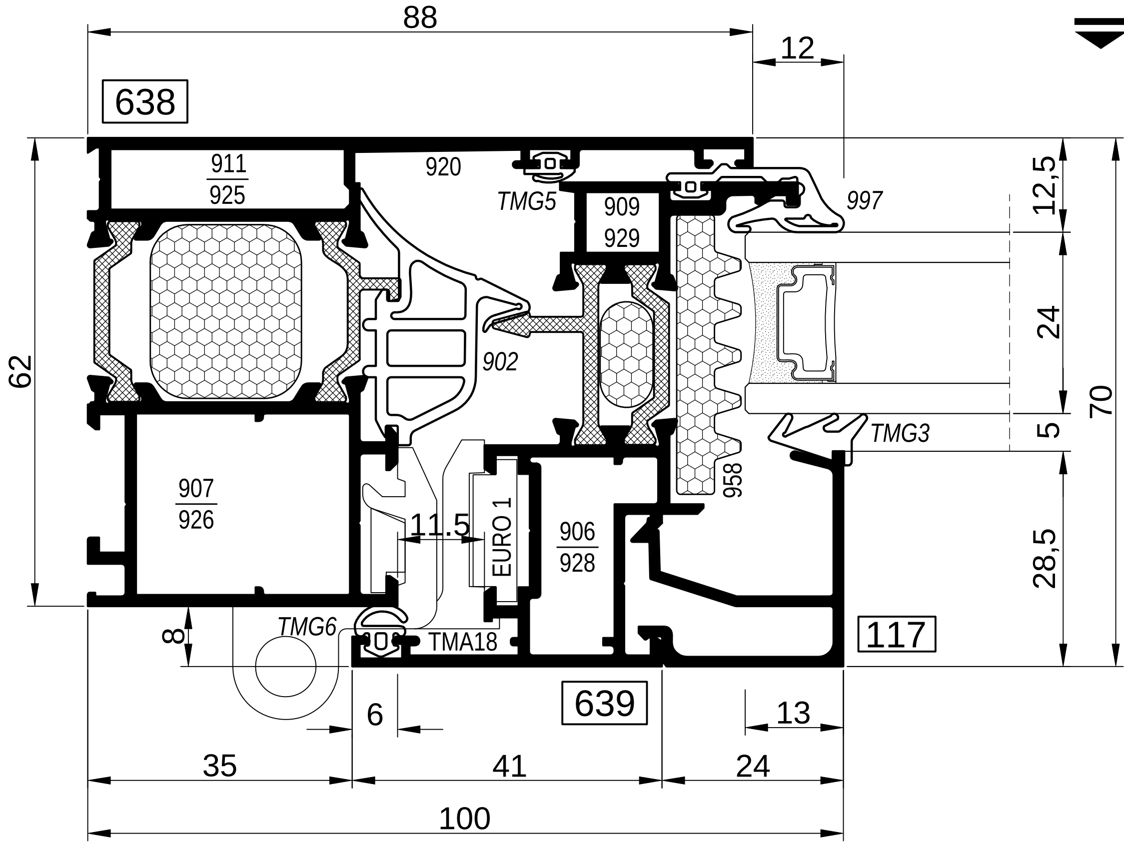
Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
9 - 10	TMG3	6 - 5	38,5 — 108
11 - 12	TMG2	4 - 3	
15 - 16	TMG3	6 - 5	32,5 — 101
17 - 18	TMG2	4 - 3	
19 - 20	TMG3	6 - 5	28,5 — 117
21 - 22	TMG2	4 - 3	
23 - 24	TMG3	6 - 5	24,5 — 100
25 - 26	TMG2	4 - 3	
27 - 28	TMG3	6 - 5	20,5 — 116
29 - 30	TMG2	4 - 3	
31 - 32	TMG3	6 - 5	16,5 — 106
33 - 34	TMG2	4 - 3	
35 - 36	TMG3	6 - 5	12,5 — 122
37 - 38	TMG2	4 - 3	
39 - 40	TMG3	6 - 5	8,5 — 123
41 - 42	TMG2	4 - 3	
43 - 44	TMG3	6 - 5	4,5 — 124
45 - 46	TMG2	4 - 3	

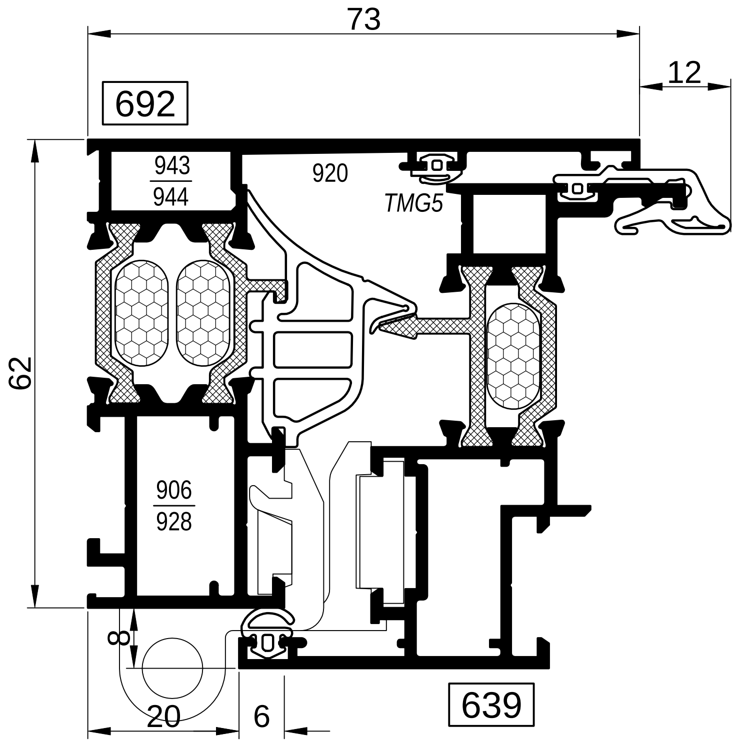


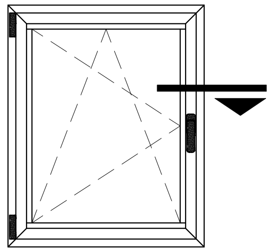

70
12,5
24
5
28,5
TMG3
997
117
12
958
13
24
909
929
906
928
639
TMG5
902
EURO 1
41
100
TMP9
920
11.5
TMA18
TMG6
88
6
8
911
925
907
926
35
638
62

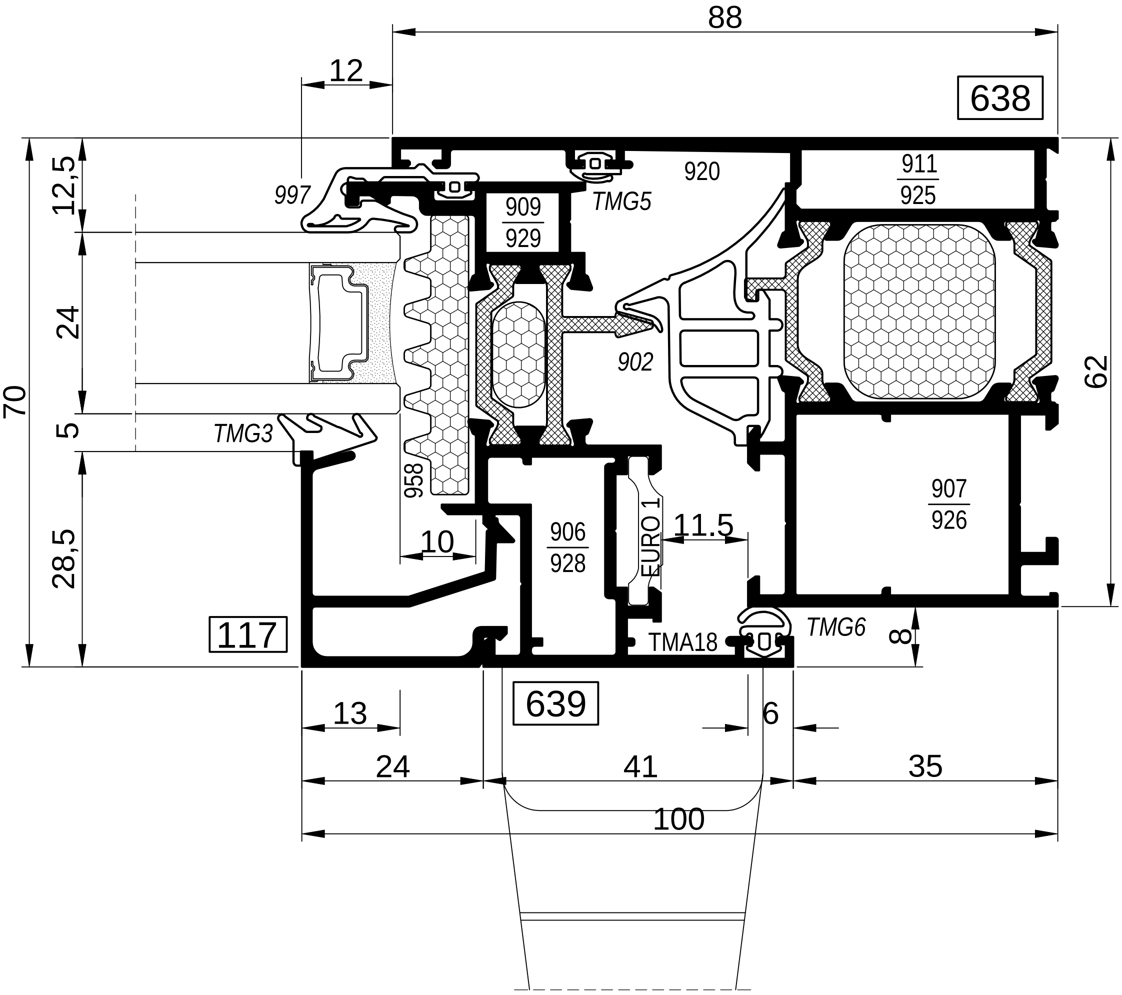

12
639
TMG5
73
920
6
943
944
906
928
8
20
692
62




88
12
638
911
925
920
TMG5
909
929
997
12,5
24
70
5
62
902
TMG3
907
926
11.5
EURO 1
906
928
958
28,5
TMG6
TMA18
117
8
6
639
13
35
41
24
100


73
12
692
943
944
920
TMG5
62
906
928
8
20
6
639




88
12
638
997
909
929
TMG5
920
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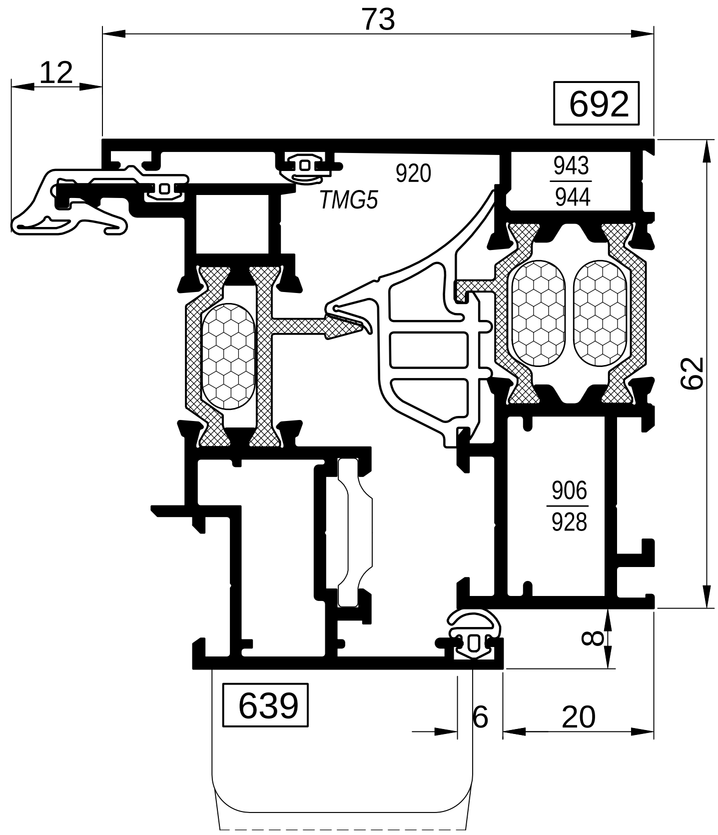
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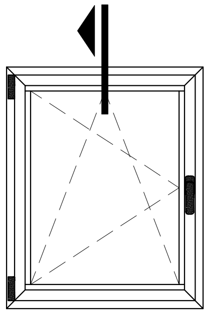

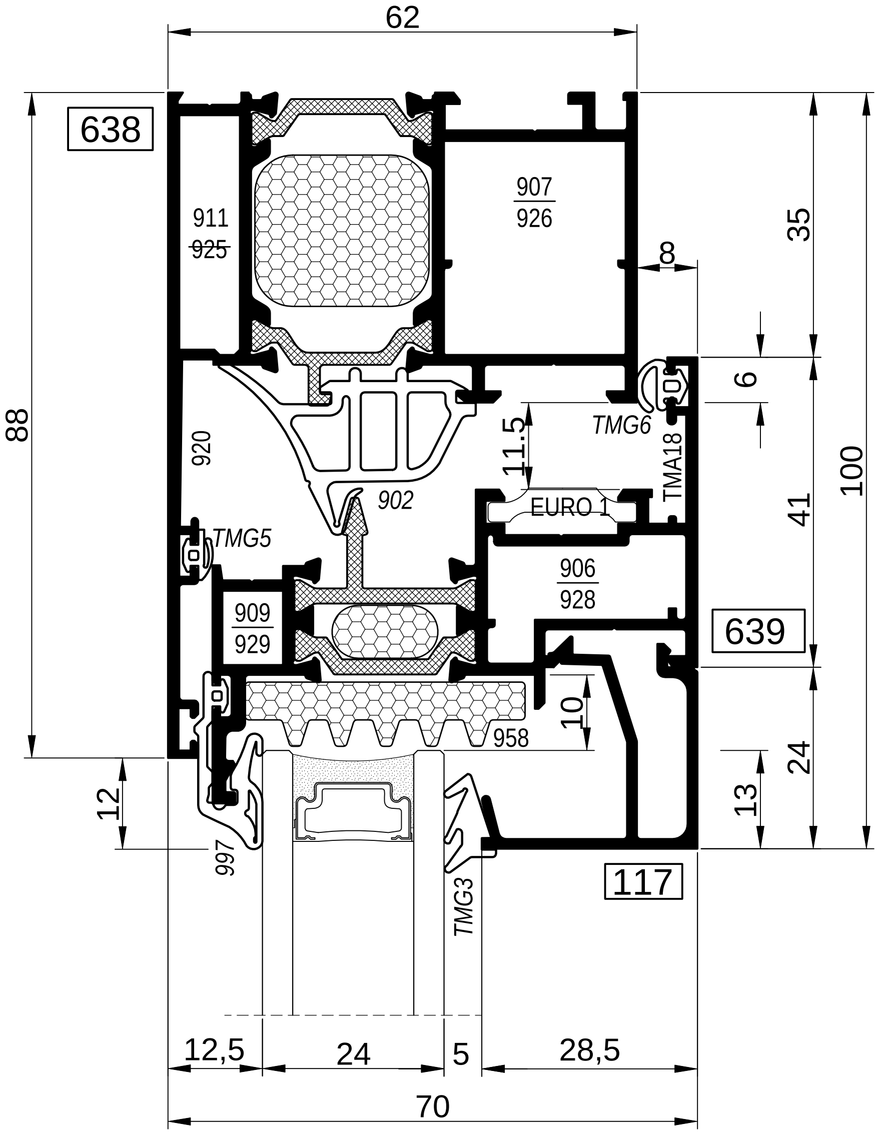
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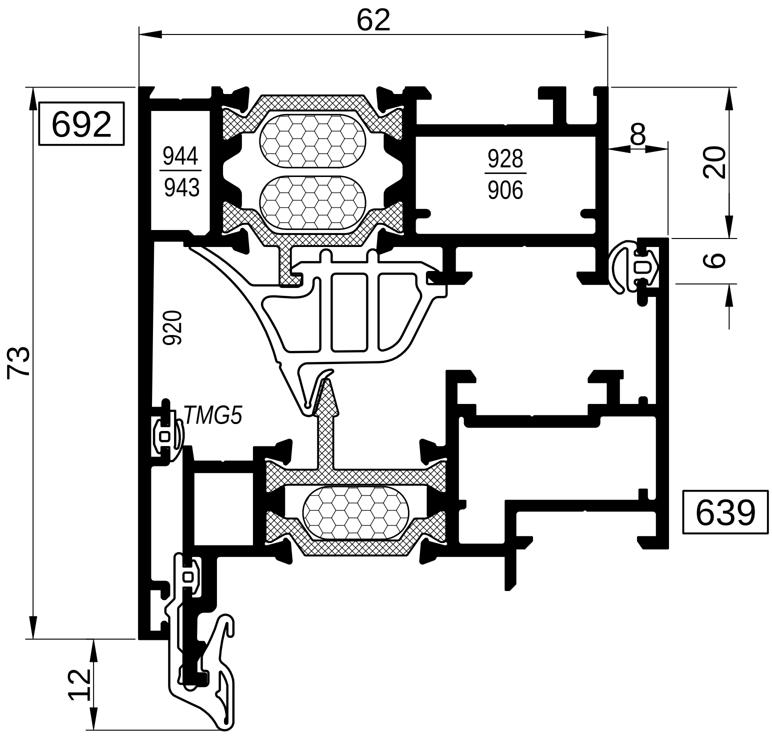
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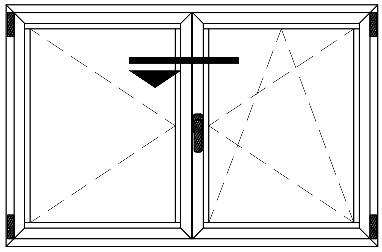

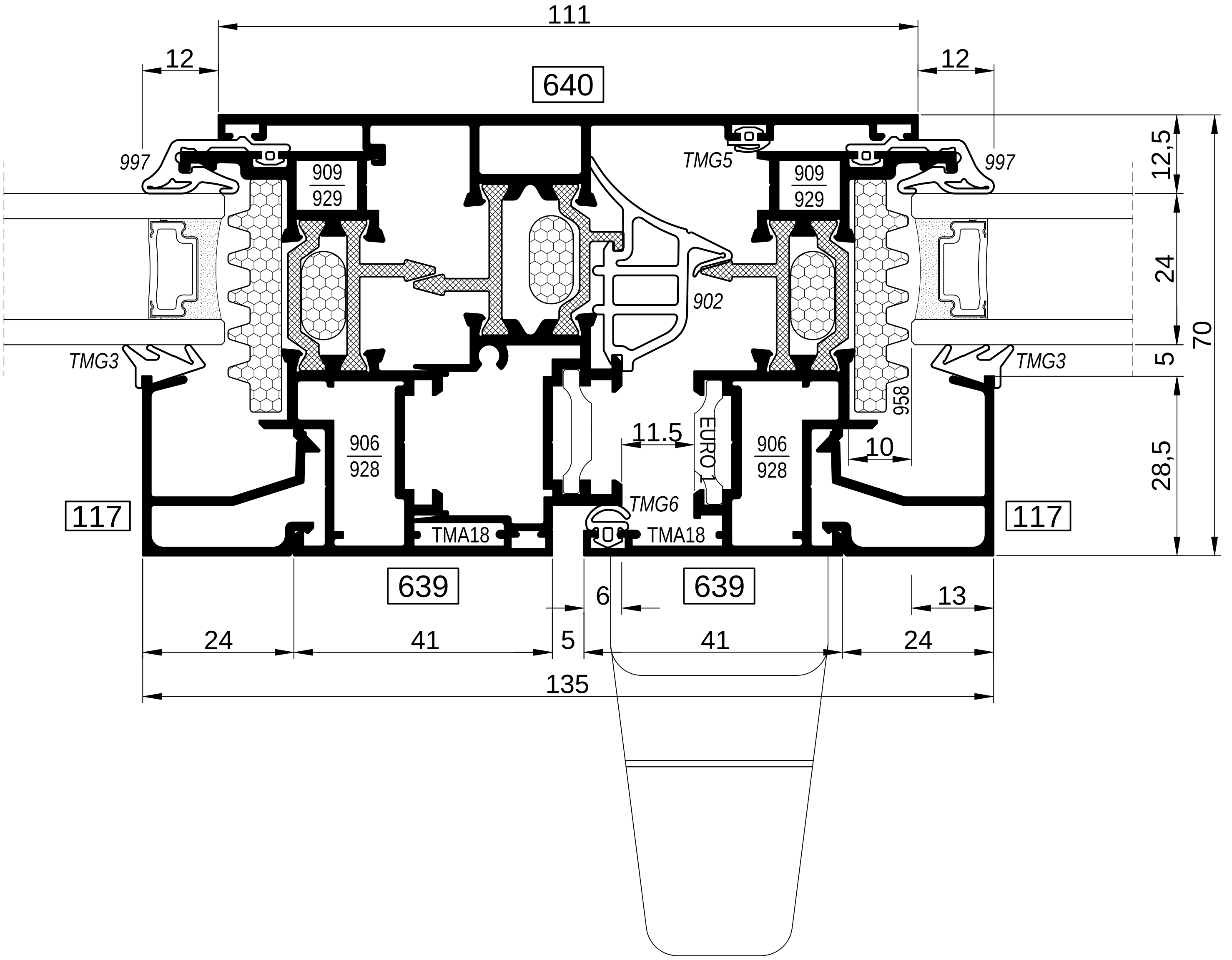
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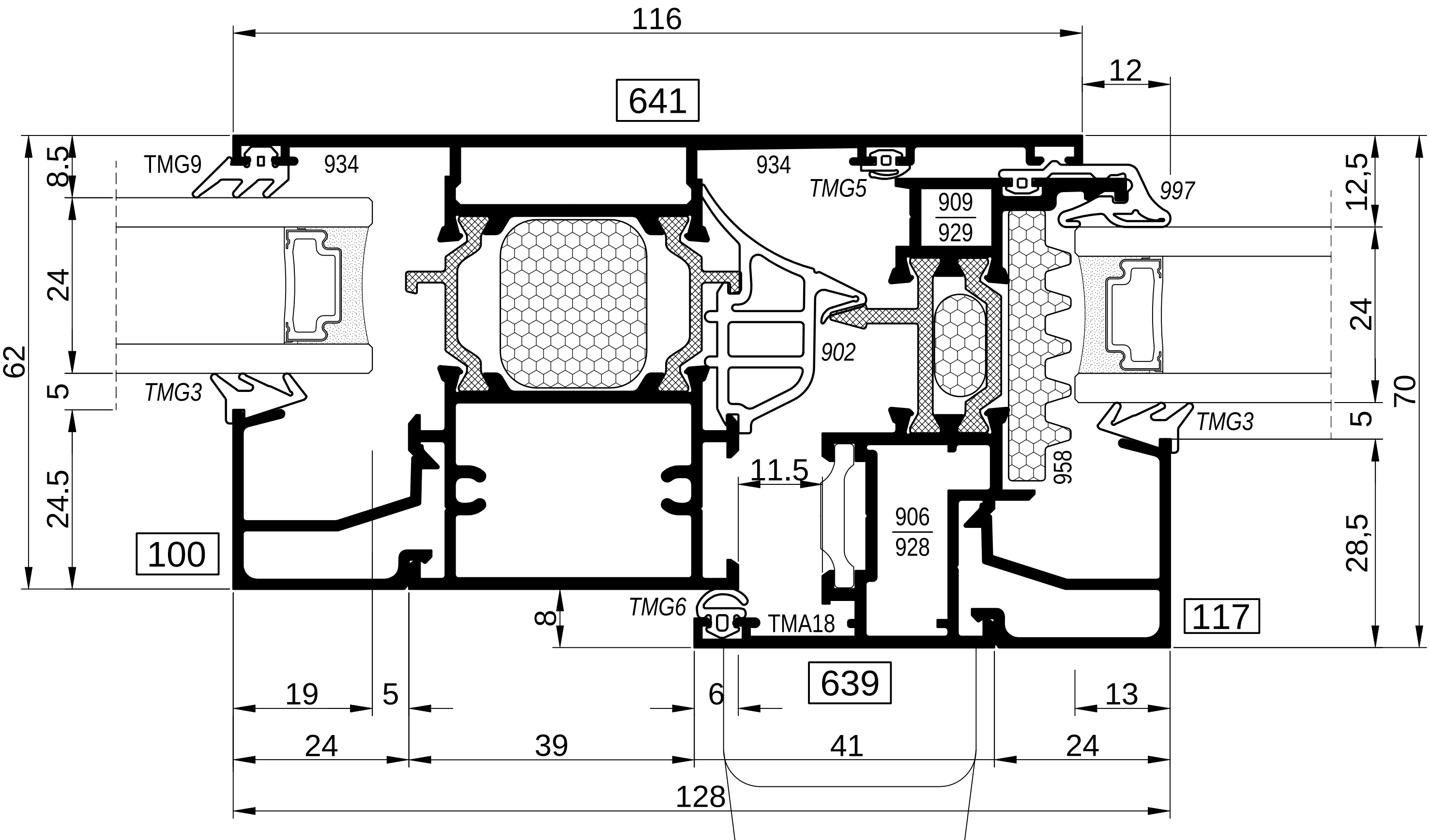
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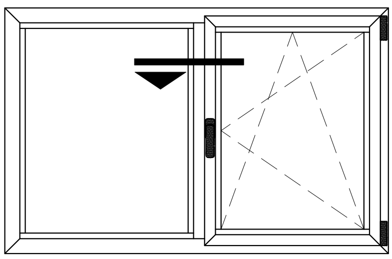

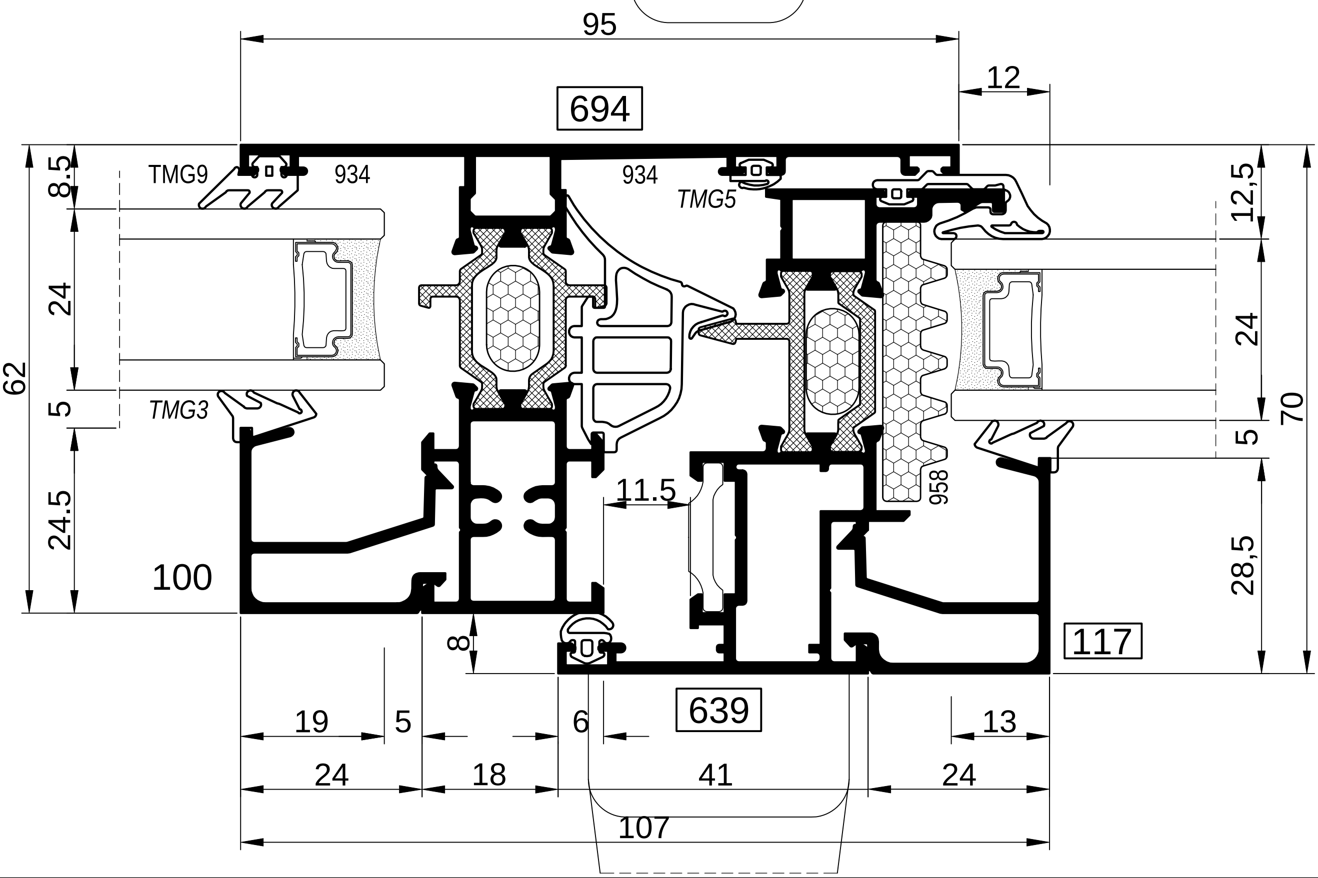
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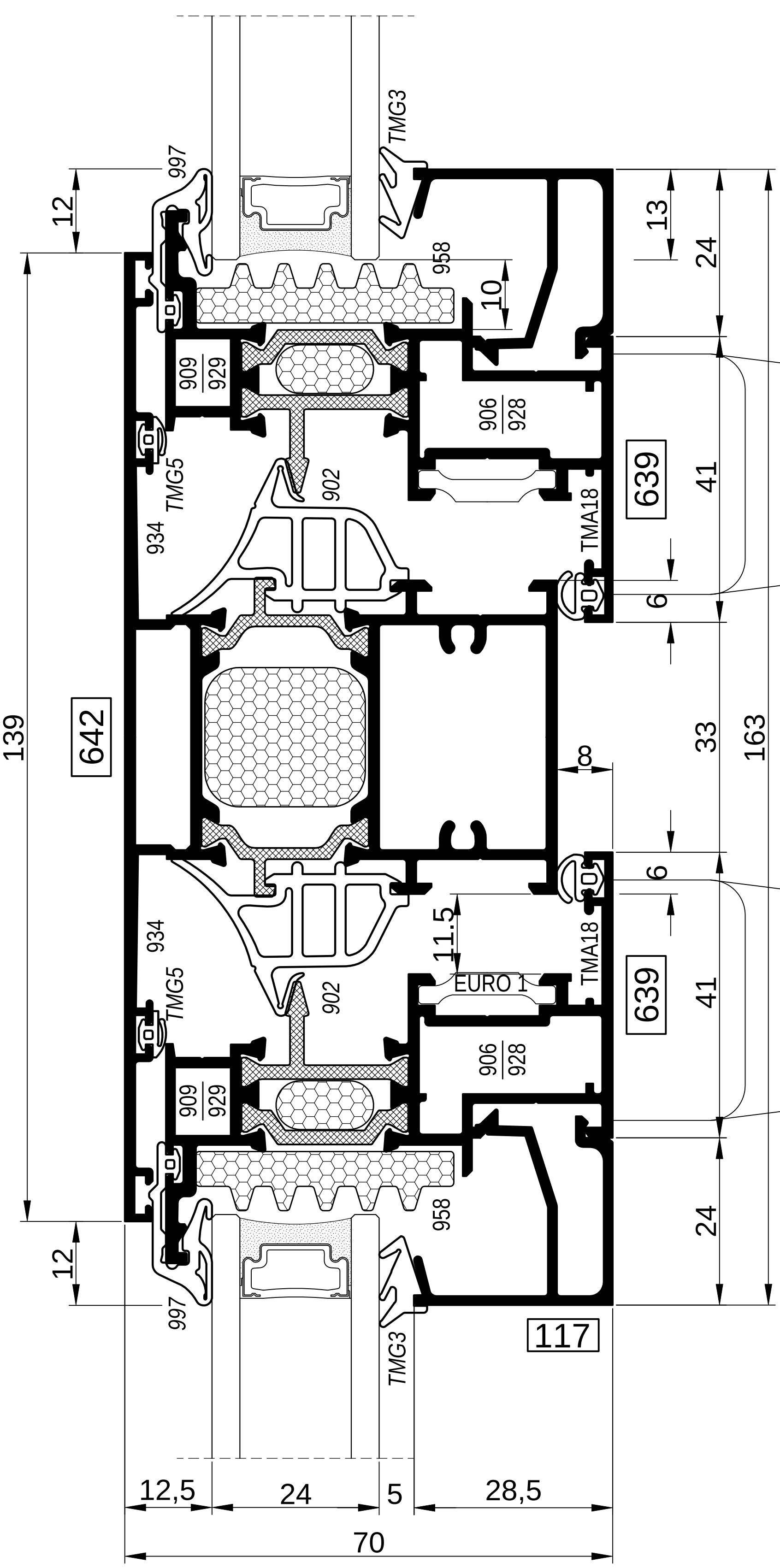
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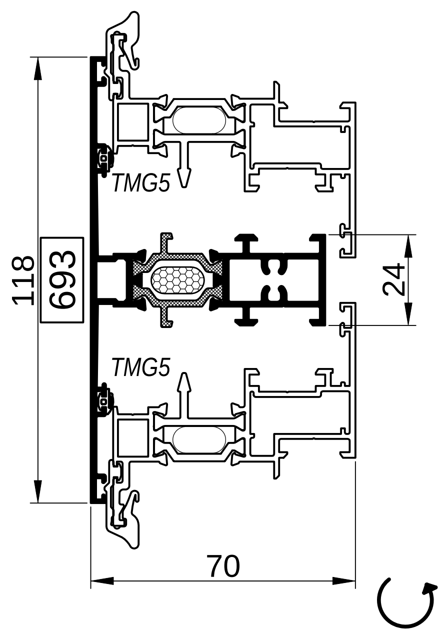
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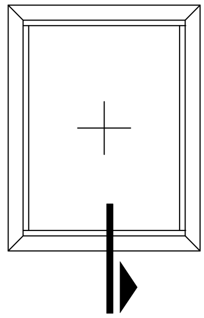

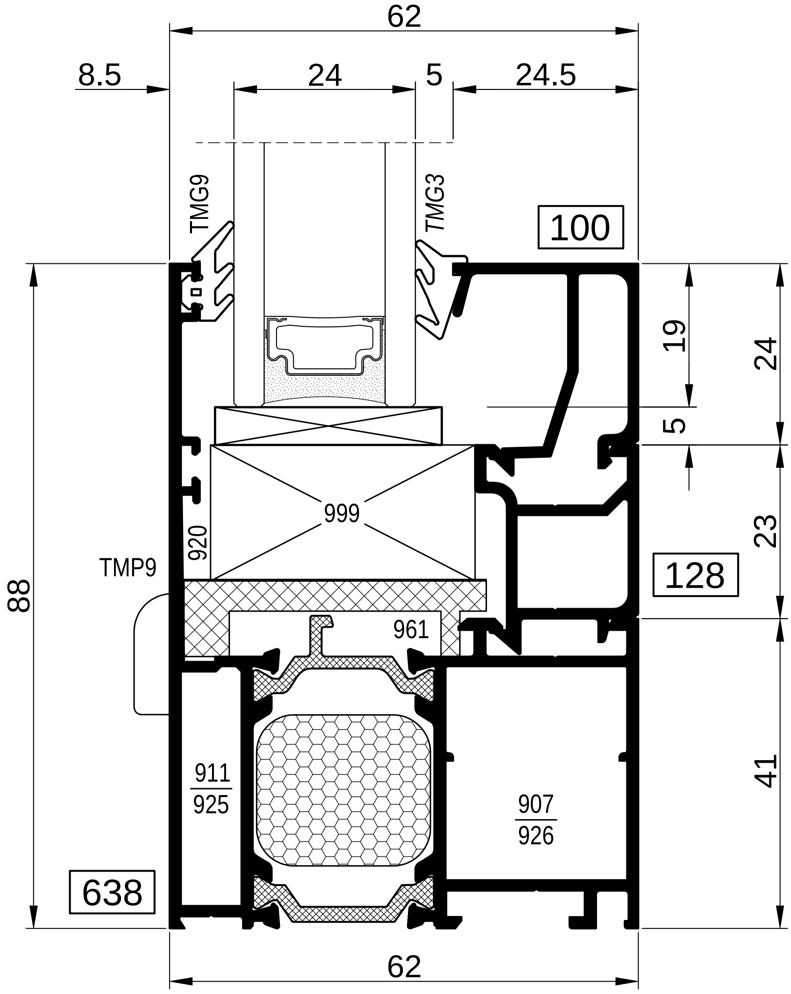
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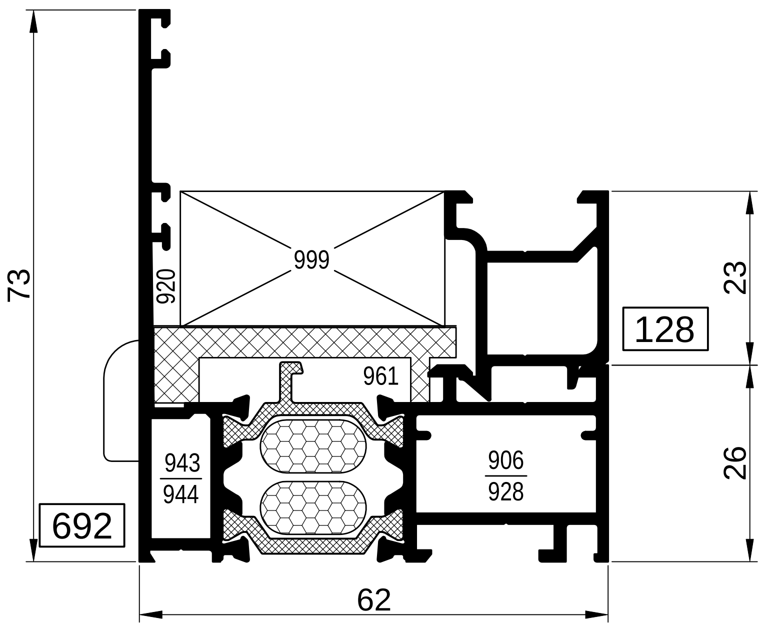
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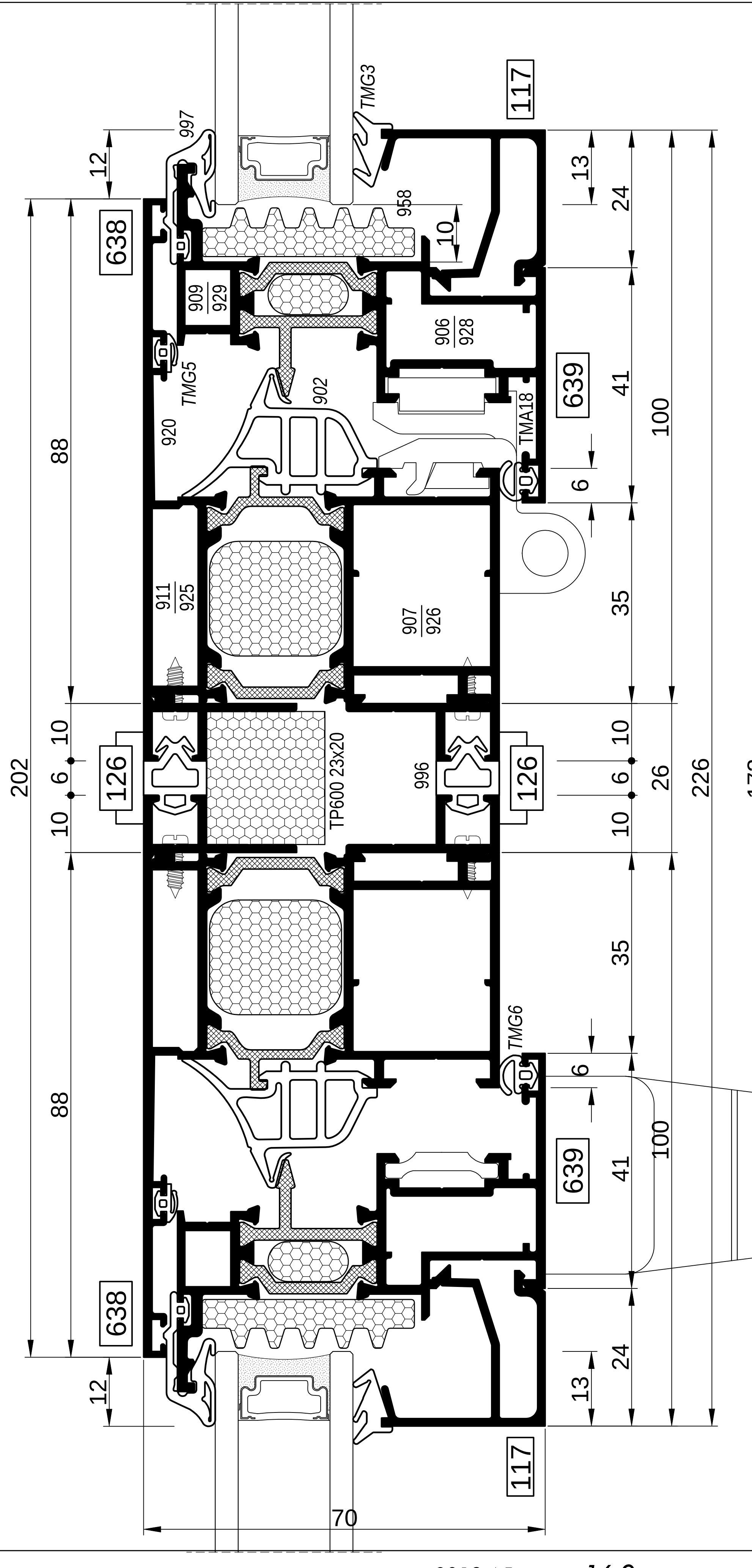
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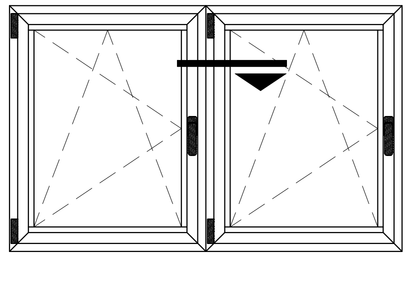

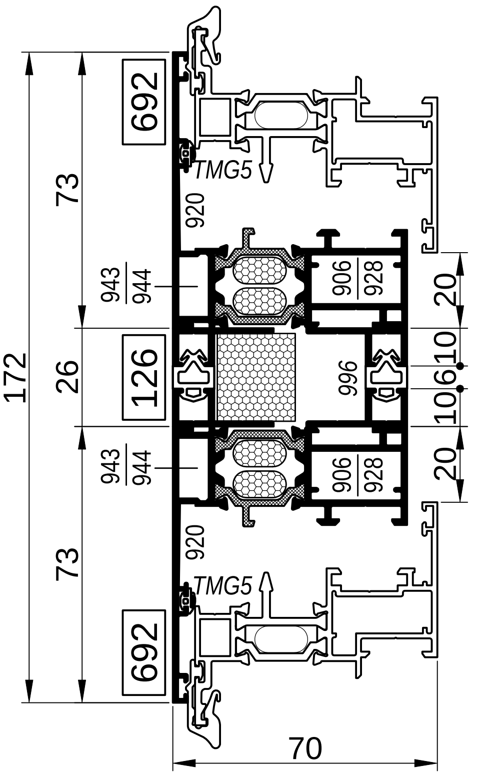
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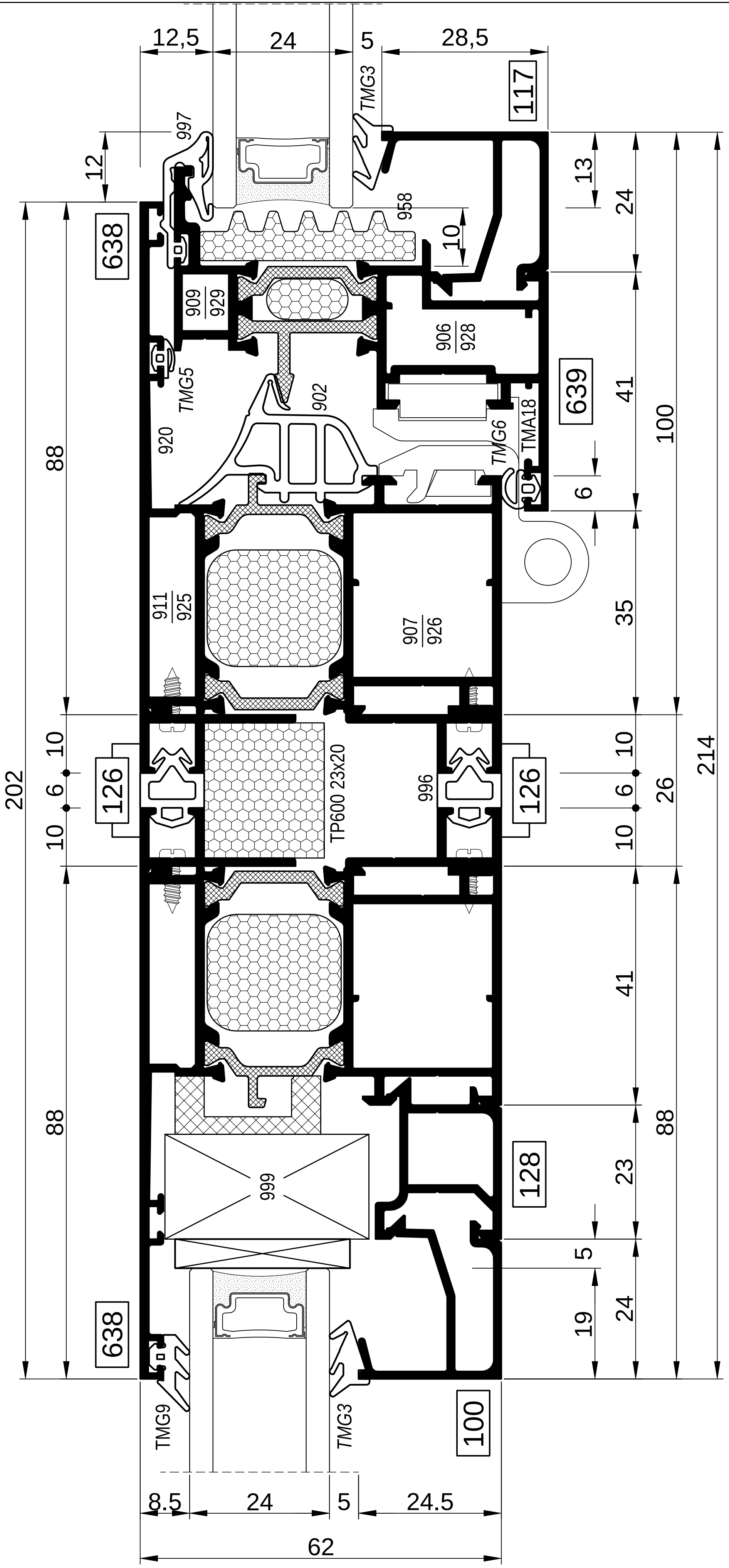
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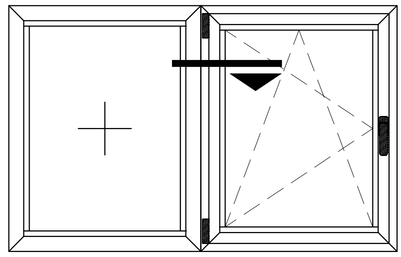

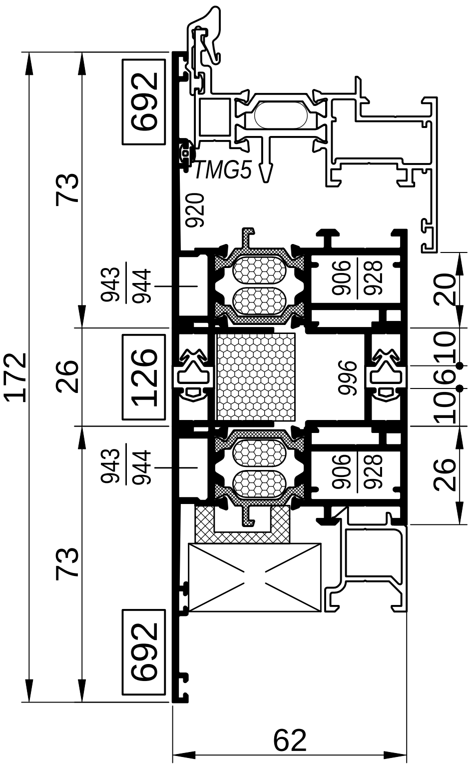
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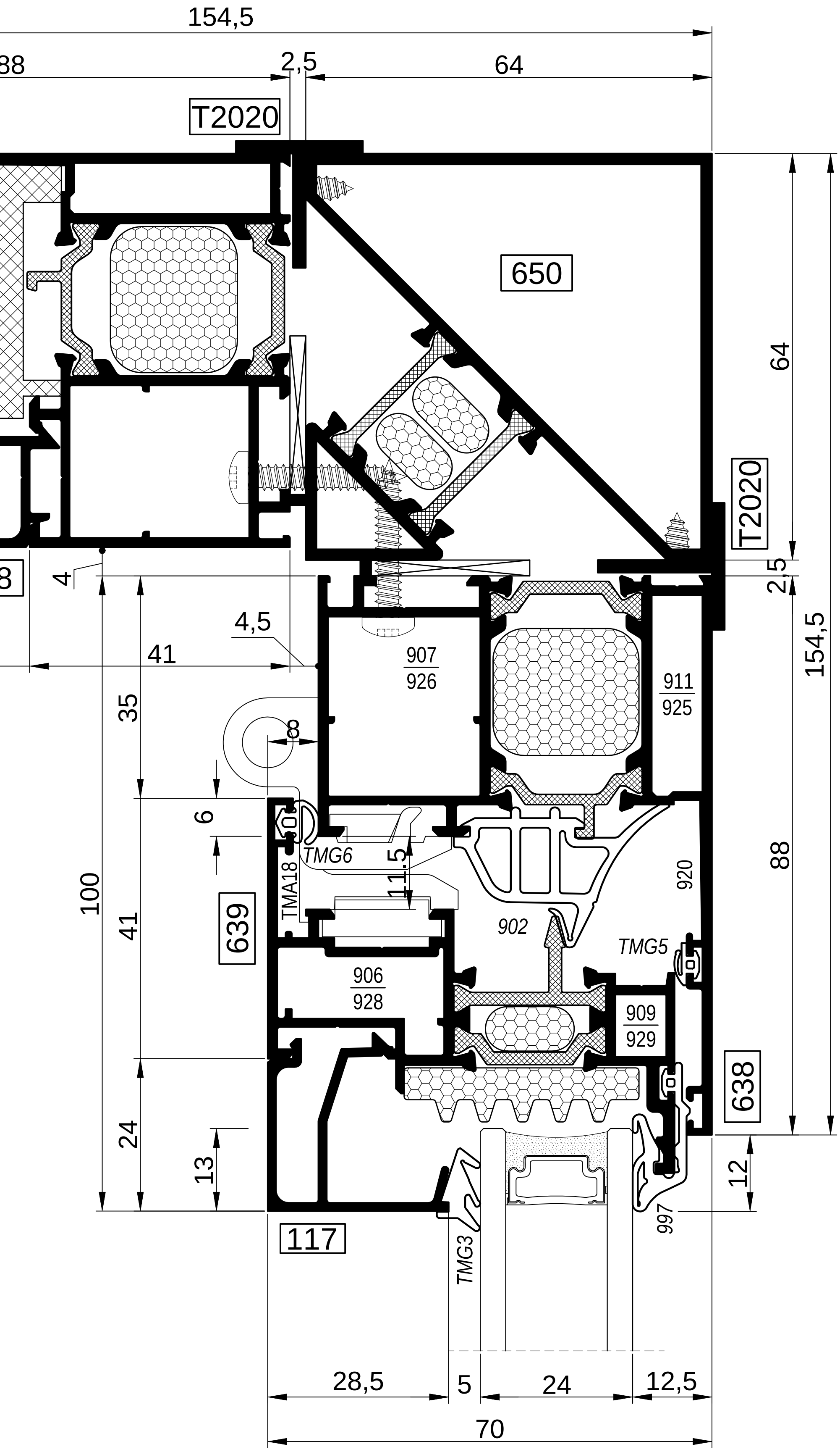
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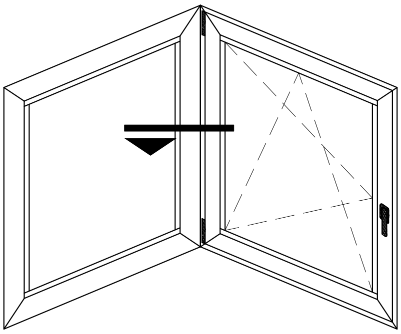

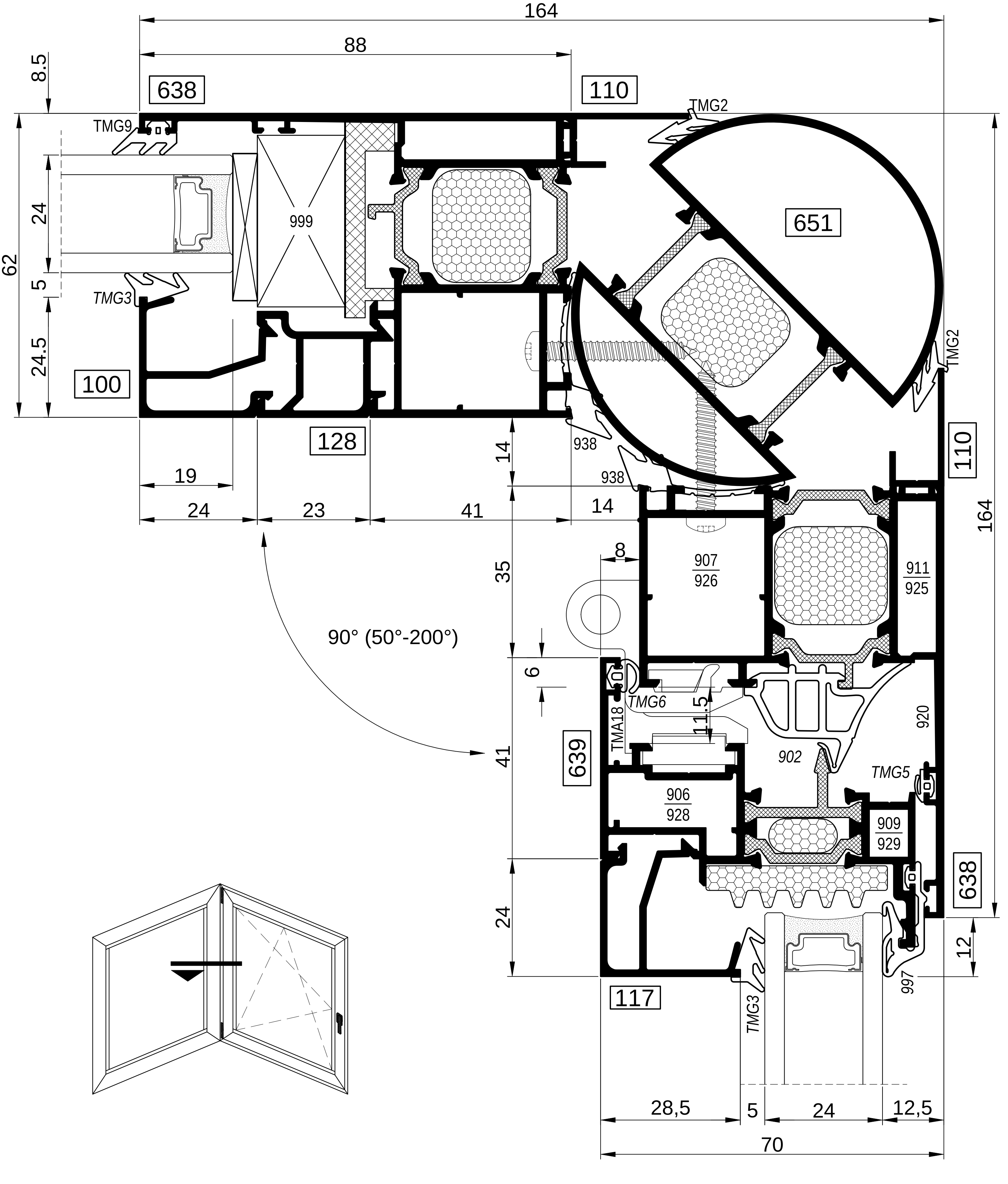
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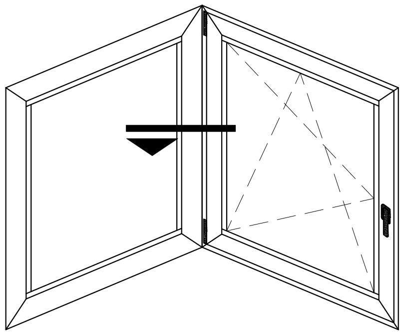

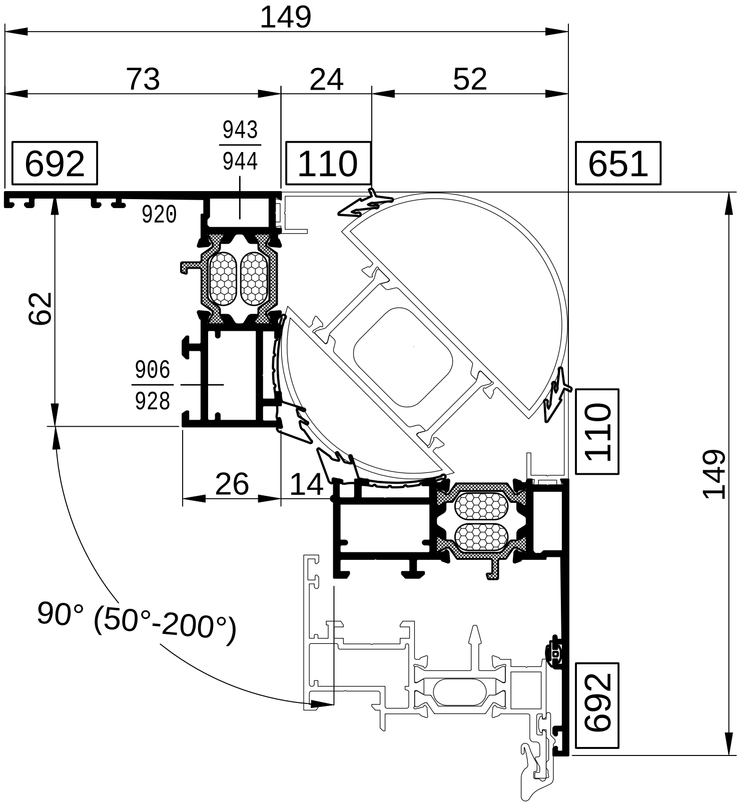
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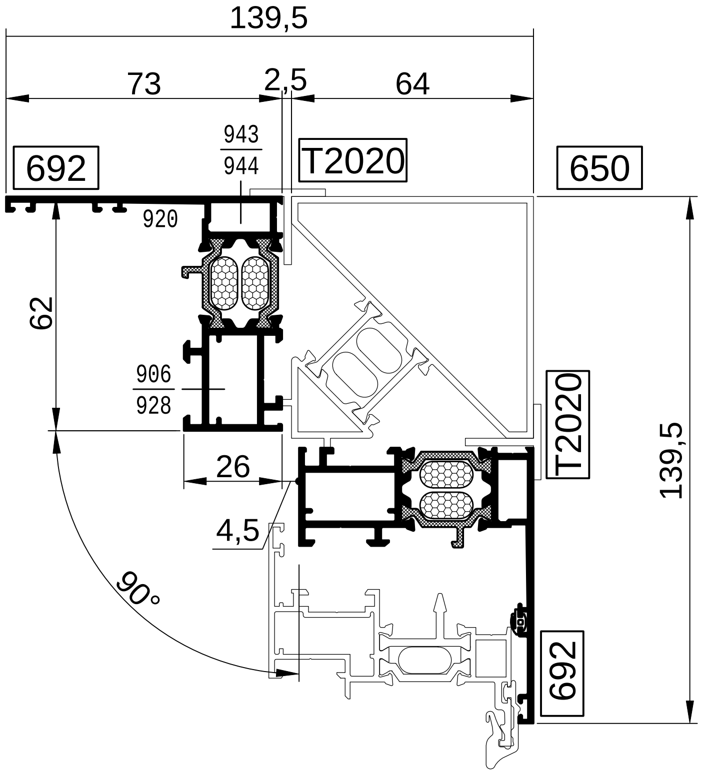
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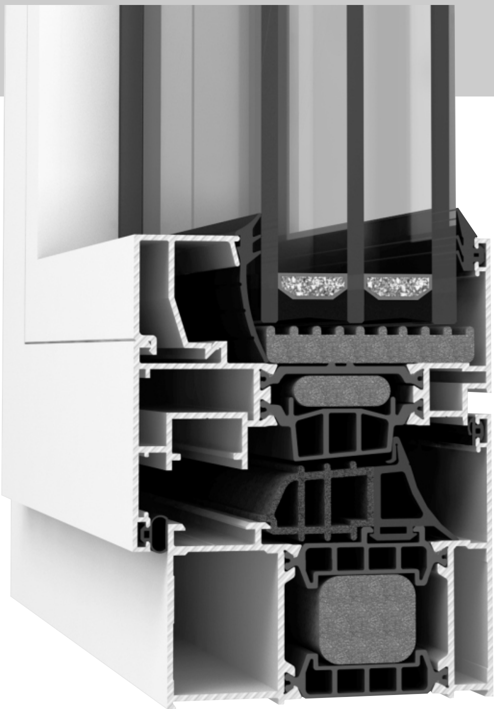
Sistem
System
Система

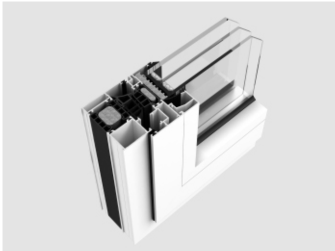
THERM 77

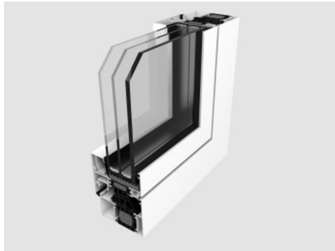
Sistem LINEAL THERM 77

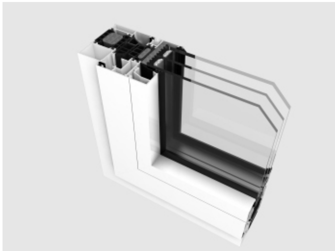
System LINEAL THERM 77

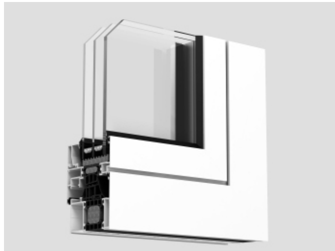
Система LINEAL THERM 77











Tehnički opis sistema

Sistem LINEAL THERM 77 je jedan od šest iz serije LINEAL i predstavlja sistem aluminijumskih profila sa termičkim prekidom, specijalno projektovanih za izradu elemenata prozora i vrata sa ugradnom dubinom štoka od 77mm.Sistem je dizajniran tako da zadovoljava savremene zahteve na polju energetske efikasnosti, kao i ostale uslove nepohodne za bezbedan i udoban radni i životni prostor.Prilikom projektovanja elemenata sistema posebna pažnja je posvećena odabiru materijala koji vrše funkciju termičkog prekida u sklopu sistemskih profila. Na ovaj način su postignute maksimalne termoizolacione karakteristike Uf ⩾1,37W/m²K, odnosno Uw⩾ 0,96W/m²K (IFT Rosenheim).

- Aluminijumski profili su proizvedeni postupkom ekstruzije u pogonima Tehnomarket-a. Sirovina za proizvodnju profila je primarna legura aluminijuma sa oznakom AlMgSi0,5 (AA6063 i 6060) i zateznom čvrstoćom profila od minimalno 210KN/mm².
- Poliamidne trake (PA 6,6 sa 25% staklenih vlakana) širine 39mm međusobno spajaju spoljašnje i unutrašnje aluminijumske delove u gotove profile, a pored funkcije mehaničkog spajanja, obezbeđuju i termički prekid. Garantovana sila smicanja spoljnog i unutrašnjeg aluminijumskog profila, povezanih poliamidnim trakama, se kontroliše u toku proizvodnje.
- Pojačana termička svojstva postignuta su dodatno putem sunđerastih ispuna u slobodnim komorama u zoni poliamida, kao i primenom posebne koekstrudirane srednje zaptivke.
- Izolaciona svojstva sistema potvrđena su kroz rezultate ispitivanja toplotnih performansi. Takođe, ispitivanja su urađena i za otpornost na udare vetra, propuštanje vazduha i vode, kao i za zvučnu izolaciju.
- Sistem omogućava ugradnju standardnog okova u EURO 1 žljeb i okova za PVC u EURO 16mm žljeb.
- Sistem podržava ispune uključujući i staklo pakete od 23 do 68mm sa EPDM zaptivkama koje poseduju integrisanu barijeru protiv produvavanja.
- Zaptivanje u zoni spoja štoka i krila je trostruko, preko tri trajno elastične EPDM zaptivke otporne na UV zračenje.
- Spajanje uglova pomoću ekstrudiranih patent spojnica ili spojnica za presovanje obezbeđeno je zatezanjem u svim komorama profila, što obezbeđuje siguran ugaoni spoj i preciznu geometriju gotovih elemenata.
- Kanalisanje kondenza i incidentne vode je regulisano preko slobodnih ravnih površina u komorama, dok je ventilisana spoljna komora duboka 20mm.
- Osnovna spoljašnja dimenzija štoka od 65mm omogućava idealan prihvat vođica roletne i komarnika. Unutrašnja širina štoka obezbeđuje idealan prostor za sabirnik trake roletne.

LINEAL THERM 77

Technical description

System LINEAL THERM 77 is one of six from LINEAL series and it represents aluminium profile system with thermal break, specially designed for manufacturing of windows and doors with frame depth of 77mm. System is designed to satisfy all contemporary demand for energy efficiency, as well as all other requirements for safe and comfortable living and working environment. Special attention was addressed to selection of materials that for the thermal break within the profile. This way, maximal isolation values of $U_f \approx 1{,}40 W/m^2K$, or $U_w \approx 0{,}96 W/m^2K$, were achieved.

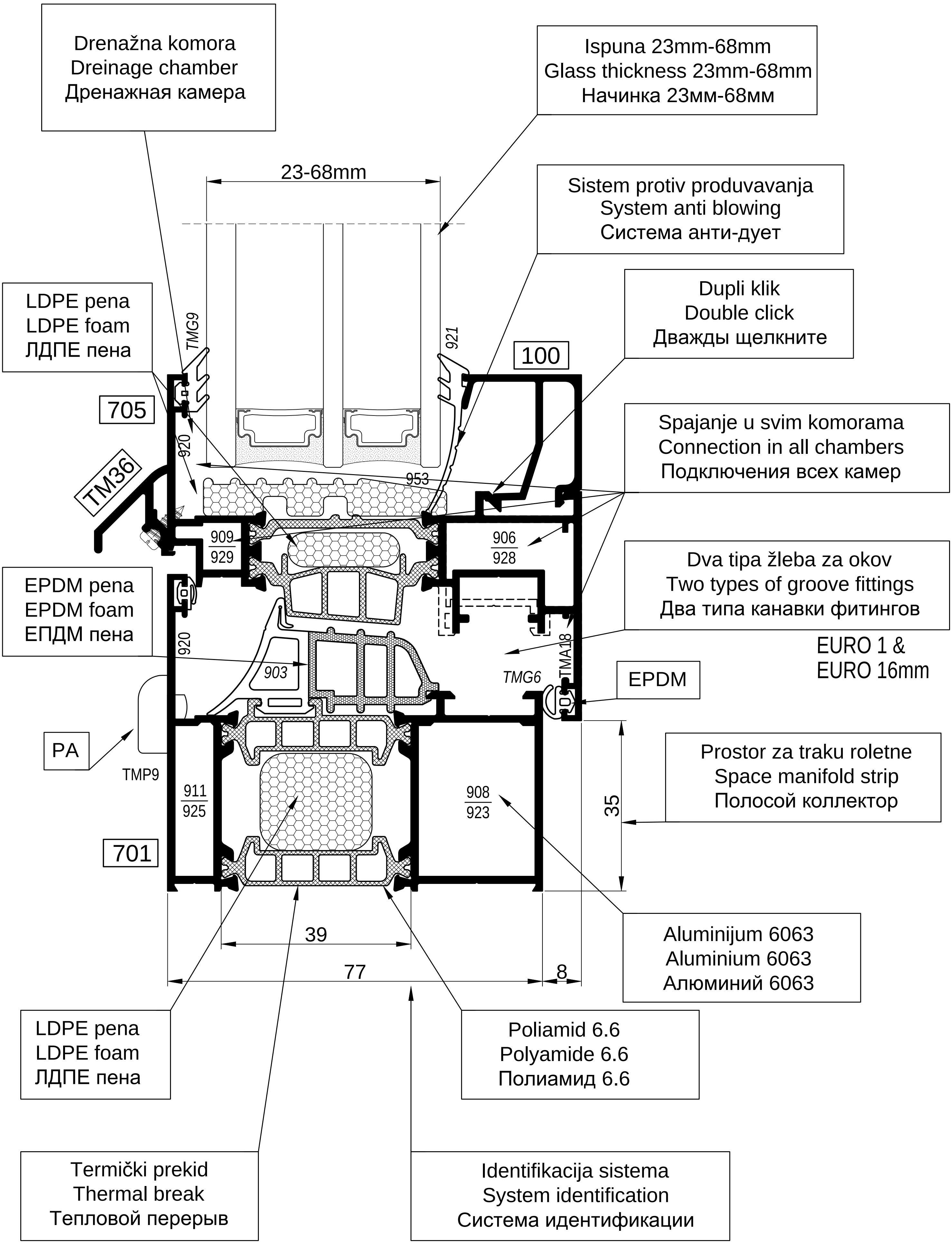
- Aluminium profiles were manufactured in Tehnomarket's own extrusion factory. The raw material used is primary aluminium alloy AlMgSi0.5 (AA6063 and AA 6060) with minimum tensile strength of 210KN/mm².
- 39mm wide Polyamide stripes (PA 6,6 with 25% glass fibers) connect inner and outer aluminium parts into finished profiles, and beside functioning as a mechanical bond they also provide a thermal break. Guaranteed shearing force for profiles connected with polyamide stripes is strictly controlled during production.
- Exceptional thermic performance was achieved with foam - filled chambers in polyamide area, and with special, dual/material coextruded central gasket.
- Insulating performance of the complete system was confirmed through thermal performance testing. At the same time, wind load, air and water permeability and sound insulation were tested as well.
- System is compatible with both EURO 1 and EURO 16mm groove standards for hardware installation.
- System allows glass packages from 23 to 68mm with EPDM gaskets that feature integrated anti-blowing barrier.
- The triple sealing between frame and sash is achieved with three separate EPDM gaskets resistant to UV light.
- Corner joining with extruded patent or press clips is achieved through all profile chambers, thus guaranteeing secure and precise joints and finished element geometry.
- Drainage of condensed and incidental water is regulated via free flat surfaces in profile chambers, while ventilated outer chamber features optimal width of 20mm.
- Basic outer frame width of 65mm allows for an ideal mounting surface for optimal placement of mosquito net and roll-shutter's guides. Internal width of the frame provides an ideal space for tape coiler.

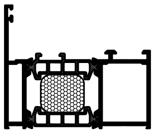
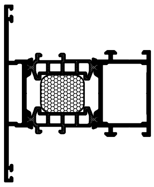
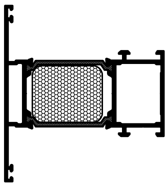
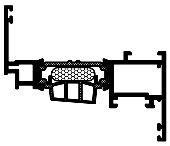
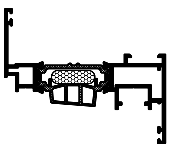
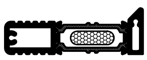
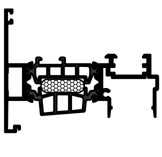
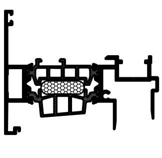
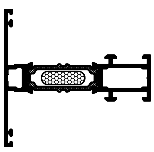
LINEAL THERM 77

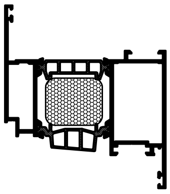
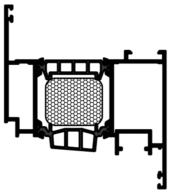
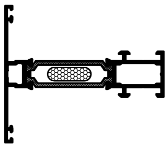
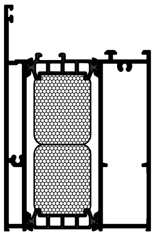
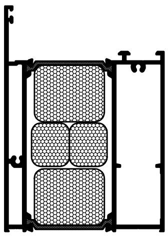
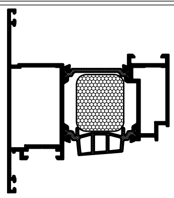
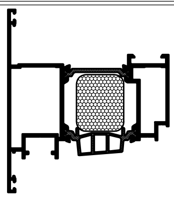
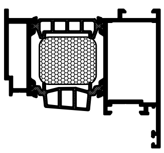
Техническое описание системы

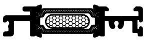
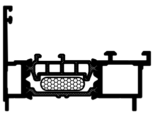
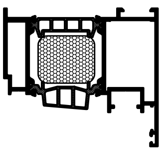
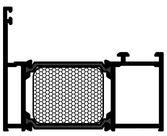
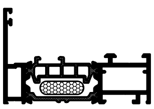
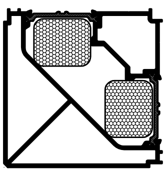
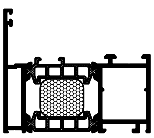
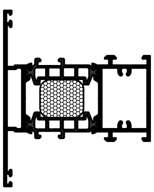
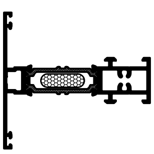
Система LINEAL THEPM 77 - одна из шести систем серии LINEAL и представляет систему алюминиевых профилей с термическим разрывом, специально разработанная для производства элементов окон и дверей с монтажной глубиной косяка от 77mm. Система разработана для удовлетворения современных требований в области энергоэффективности, как и другие необходимые условия для безопасного и комфортного рабочего и жилого пространства. При проектировании элементов системы, особое внимание было уделено выбору материалов, которые выполняют функцию теплового разрыва внутри профиля. Таким образом, достигнуты максимальные теплоизоляционные свойства $U_f \approx 1{,}40 W/m^2K$ и $U_w \approx 0{,}96 W/m^2K$.

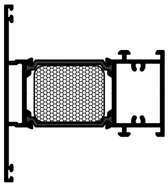
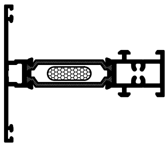
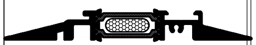
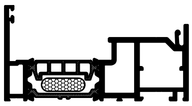
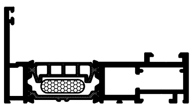
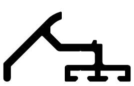
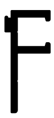
- Алюминиевые профили изготовлены способом экструзии в производственных цехах Техномаркета. Сырьем для производства профилей является первичный алюминиевый сплав с обозначением AlMgSi0,5 (AA6063 и 6060) и с минимальной прочностью на разрыв профиля 210KN/mm².
- Полиамидные полоски (PA 6,6 с 25% стекловолокна) шириной 39mm и сотовые мульти камерные структуры взаимосвязывают внешние и внутренние алюминиевые части в готовых профилях, а кроме функции механического соединения и обеспечивают и тепловой разрыв. Гарантированная сила сдвига внешнего и внутреннего алюминиевого профиля, которые связаны полиамидными полосками, контролируется в процессе производства.
- Усиление термических свойств, достигается дополнительно путем губчатых заполнений в свободных камерах в зоне полиамида, как и применением отдельной коэкструдированной средней прокладки.
- Изоляционные свойства системы потверждены результатами испытания тепловых характеристик. Кроме того, были проведены испытания устойчивости на удары ветра, пропуск воздуха и воды, как и звукоизоляции.
- Система позволяет установку стандартных оковок в EURO 1 желоб и оковок для PVC в EURO 16mm желоб.
- Система поддерживает и заполнения, включая и стеклопакеты от 23 до 68mm, с EPDM прокладками, которые имеют интегрированный барьер против выдувания.
- Уплотнение в зонах соединений косяка и створки - трехрядное, с тремя постоянно упругими прокладками EPDM, которые устойчивы к UV-излучению.
- Сцепление углов, с помощью экструдированных сцепных устройств или сцепных устройств для прессовки, обеспеченное затяжкой во всех камерах профиля, что обеспечивает недежное соединение углов и точную геометрию готовых элементов.
- Nаправление конденсации и случайных вод регулируется через свободные ровные поверхности в камерах, в то время как вентилируемая внешная камера имеет глубину 20mm.
- Основнай внешний размер косяка от 65mm позволяет идеальный прием направляющей жалюзи и противомоскитных сеток. Внутренняя ширина косяка обеспечивает идеальное место для коллектора полосок жалюзи.

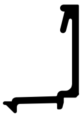
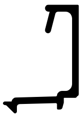
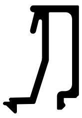
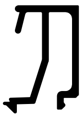
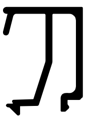
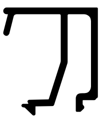
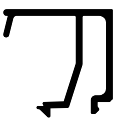
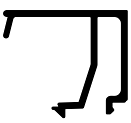

Drenažna komora
Dreinage chamber
Дренажная камера
Ispuna 23mm-68mm
Glass thickness 23mm-68mm
Начинка 23мм-68мм
23-68mm
Sistem protiv produvavanja
System anti blowing
Система анти-дует
Dupli klik
Double click
Дважды щелкните
LDPE pena
LDPE foam
ЛДПЕ пена
TMG9
921
100
705
920
TM36
953
Spajanje u svim komorama
Connection in all chambers
Подключения всех камер
909
929
906
928
Dva tipa žleba za okov
Two types of groove fittings
Два типа канавки фитингов
EURO 1 &
EURO 16mm
EPDM pena
EPDM foam
ЕПДМ пена
920
903
TMG6
TMA18
EPDM
PA
TMP9
911
925
908
923
Prostor za traku roletne
Space manifold strip
Полосой коллектор
35
701
39
77
8
Aluminijum 6063
Aluminium 6063
Алюминий 6063
LDPE pena
LDPE foam
ЛДПЕ пена
Poliamid 6.6
Polyamide 6.6
Полиамид 6.6
Termički prekid
Thermal break
Тепловой перерыв
Identifikacija sistema
System identification
Система идентификации

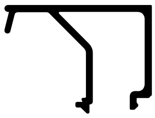
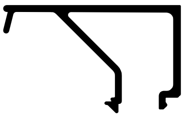
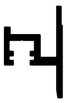
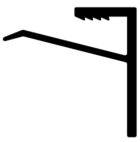
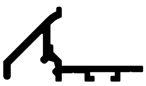
	Oznaka Mark Марк / kg/m'	Opis Description Описание	cm⁴ x y Ix / Iy			a	b
	701	Štok Frame Рама	36,8	911	908	920	-
	1,567		10,8	925	923	920	-
	702	Prečka u štoku T profile in frame T профиль в раме	43,6	-	915	x2 934	-
	1,767		18,7	-	905	x2 934	-
	703	Prečka u krilu T profile in casement T профиль в створки	53,9	-	915	x2 934	-
	1,722		18,7	-	905	x2 934	-
	704	Prozorsko krilo - EURO 1 Casement -EURO 1 Оконная створка -ЕУРО 1	42,0	909	907	920	TMA18
	1,380		4,6	929	926	920	TMA18
	705	Prozorsko krilo - EURO 16mm Casement -EURO 16mm Оконная створка -ЕУРО 16мм	42,1	909	906	920	TMA18
	1,390		4,4	929	928	920	TMA18
	708	Prag Threshold Порог	24,7	-	-	-	-
	1,152		1,3	-	-	-	-
	709	Veza dvokrilnog prozora - EURO 1 French casement adaptor -EURO 1 Соединительный профиль двойног окна -ЕУРО 1	32,5	-	-	-	-
	1,375		6,5	-	-	-	-
	710	Veza dvokrilnog prozora - EURO 16mm French casement adaptor -EURO 16mm Соединительный профиль двойног окна -ЕУРО 16мм	32,0	-	-	-	-
	1,377		6,3	-	-	-	-
	713	Prečka u štoku T profile in frame T профиль в рамке	31,9	-	922	x2 934	-
	1,203		6,7	-	905	x2 934	-

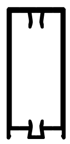
	Oznaka Mark Марк kg/m`	Opis Description Описание	Ix Iy			a a	b b
	714	Krilo vrata -otvaranjem unutra- EURO 1 Door leaf -open in -EURO 1 Крыло двери, открывающиеся внутрь -ЕУРО1	61,6	939	940	920	TMA18
	1,898		19,0	930	932	920	TMA18
	715	Krilo vrata -otvaranjem unutra- EURO 16mm Door leaf -open in -EURO 16mm Крыло двери, открывающиеся внутрь -ЕУРО16мм	62,0	939	941	920	TMA18
	1,908		18,5	930	931	920	TMA18
	716	Prečka u krilu T profile in casement Препятствие в створки	39,4	-	922	934 x2	-
	1,236		6,7	-	905	934 x2	-
	717	Parapetni profil u štoku / Veliki štok Parapet profile in frame / Large frame Парапет профиль в рамке большой рам	67,7	911	908	934	-
	2,672		84,4	925	923	934	-
	718	Parapetni profil u krilu Parapet profile in casement Парапет профиль в створки	87,6	-	915	934	-
	2,679		80,7	-	905	934	-
	719	Krilo vrata -otvaranjem spolja- EURO 1 Door leaf -open out -EURO 1 Крыло двери, открывающиеся наружу -ЕУРО1	54,7	939	940	920	TMA18
	1,837		24,5	930	932	920	TMA18
	720	Krilo vrata -otvaranjem spolja- EURO 16mm Door leaf -open out -EURO 16mm Крыло двери, открывающиеся наружу -ЕУРО16мм	55,1	941	939	920	TMA18
	1,848		23,8	931	930	920	TMA18
	722	Krilo vrata -otvaranjem unutra- EURO 1 Door leaf -open in -EURO 1 Крыло двери, открывающиеся внутрь -ЕУРО1	48,4	945	940	920	TMA18
	1,801		16,3	930	932	920	TMA18

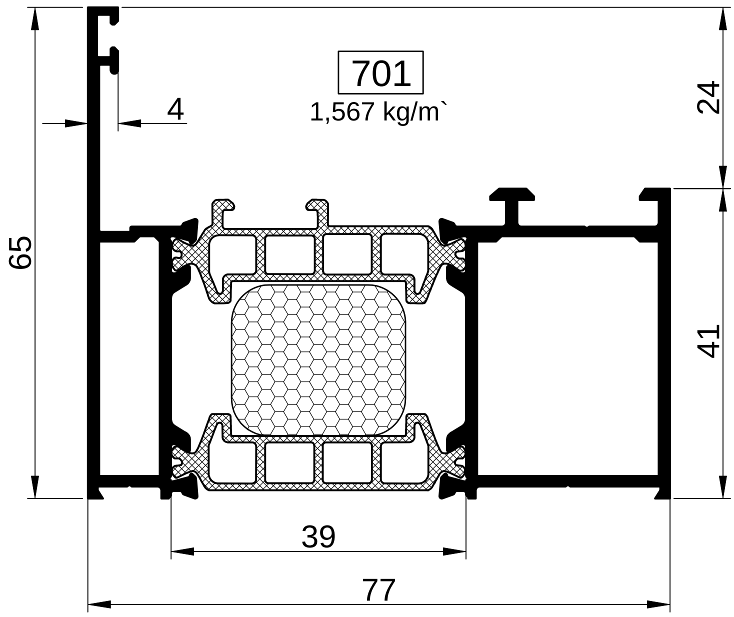
	Oznaka Mark Марк kg/m'	Opis Description Описание	cm⁴ Ix Iy			a a	b b
	723	Prag Threshold	15,1	-	-	-	-
	0,859	Порог	0,4	-	-	-	-
	724	Reducir smera okretanja vrata Reducing the direction of the door	28,7	913	943	920	-
	1,236	Снижение направление двери	4,5	927	944	920	-
	725	Krilo vrata -otvaranjem unutra- EURO 16mm Door leaf -open in -EURO 16mm	48,8	945	941	-	TMA18
	1,773	Крыло двери, открывающиеся внутрь -ЕУРО16mm	15,7	930	931	-	TMA18
	726	Parapetni profil u krilu Parapet profile in casement	45,4	-	995	934	-
	1,538	Парапет профиль в створки	10,9	-	905	934	-
	728	Štok Frame	31,9	943	906	920	-
	1,298	Рама	4,4	944	928	920	-
	729	Ugaoni profil -90° Angle connector -90°	65,5	-	-	-	-
	2,440	Угловой профиль - 90º	62,0	-	-	-	-
	730	Štok Frame	39,9	911	907	920	-
	1,598	Рама	11,1	925	926	920	-
	731	Prečka u štoku T profile in frame	47,0	-	-	x2 934	-
	1,820	T профиль в раме	20,0	-	-	x2 934	-
	732	Prečka u štoku T profile in frame	33,6	-	-	x2 934	-
	1,258	T профиль в раме	6,7	-	-	x2 934	-

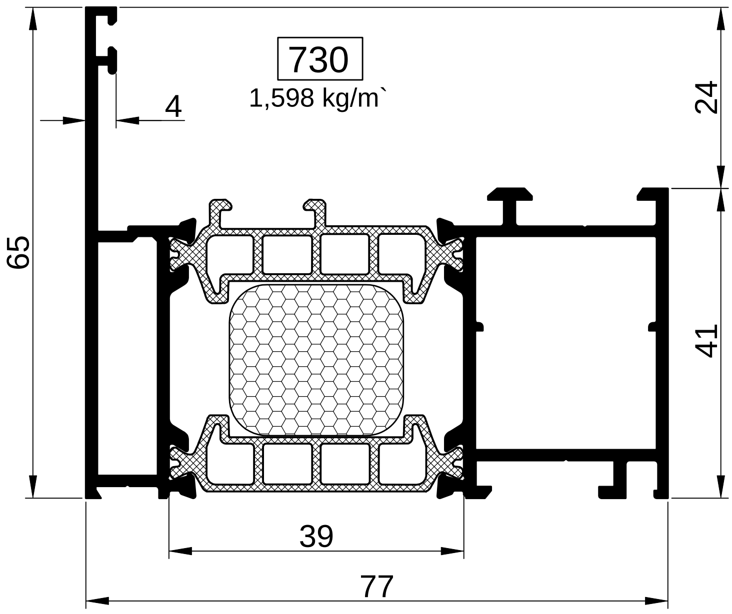
	Oznaka Mark Марк kg/m'	Opis Description Описание	cm^4 Ix Iy			a a	b b
	733 1,775	Prečka u krilu T profile in casement T профиль в створки	58,1 20,0	- -	- -	x2 934 x2 934	- -
	734 1,291	Prečka u krilu T profile in casement T профиль в створки	41,6 6,7	- -	- -	x2 934 x2 934	- -
	735 1,655	Prag Threshold Порог	- -	- -	- -	- -	- -
	736 1,971	Štok- donji Frame- below Рама- доньи	69,6 9,4	943 944	906 928	920 920	- -
	737 1,701	Štok- gornji Frame- upper Рама- верхняя	62,0 6,0	943 944	906 928	920 920	- -
	110 0.133	Opšivni profil Casing profile Обшивка	- -	- -	- -	- -	- -
	119 0,071	Pokopac praga Cover threshold Порог обложки	- -	- -	- -	- -	- -
	120 0,281	Slivnik i nosač četkice Waterdrip Капельник	- -	- -	- -	- -	- -
	126 0.193	Profil za spoj Profile for the connection Профиль для связи	- -	- -	- -	- -	- -

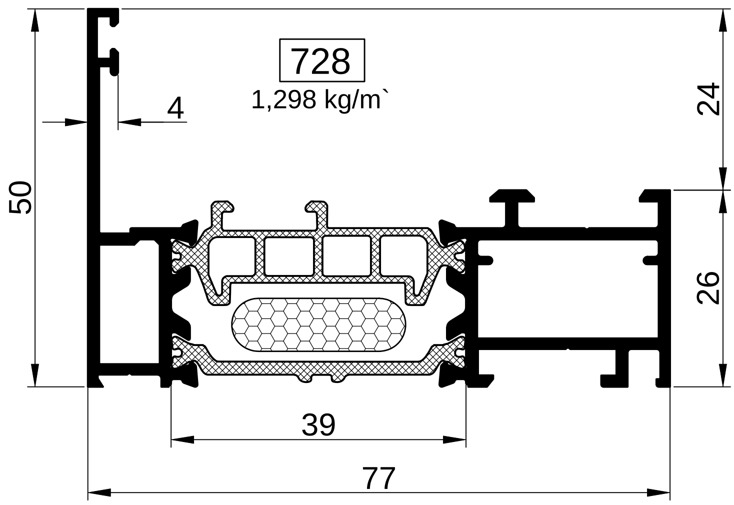
	Oznaka Mark Марк kg/m'	Opis Description Описание	cm^4 Ix Iy			a a	b b
	127 0.258	Držač zaptivke Gasket holder Держатель прокладка	- -	- -	- -	- -	- -
	124 0,200	Držač stakla - 4,5mm Glazing bead - 4,5mm Подстаканник - 4,5мм	- -	- -	- -	- -	- -
	123 0,211	Držač stakla - 8,5mm Glazing bead - 8,5mm Подстаканник - 8,5мм	- -	- -	- -	- -	- -
	122 0,296	Držač stakla - 12,5mm Glazing bead - 12,5mm Подстаканник - 12,5мм	- -	- -	- -	- -	- -
	106 0,302	Držač stakla - 16,5mm Glazing bead - 16,5mm Подстаканник - 16,5mm	- -	- -	- -	- -	- -
	116 0,320	Držač stakla - 20,5mm Glazing bead - 20,5mm Подстаканник - 20,5mm	- -	- -	- -	- -	- -
	100 0,330	Držač stakla - 24,5mm Glazing bead - 24,5mm Подстаканник - 24,5mm	- -	- -	- -	- -	- -
	117 0,348	Držač stakla - 28,5mm Glazing bead - 28,5mm Подстаканник - 28,5mm	- -	- -	- -	- -	- -
	101 0,359	Držač stakla -32,5mm Glazing bead -32,5mm Подстаканник -32,5мм	- -	- -	- -	- -	- -

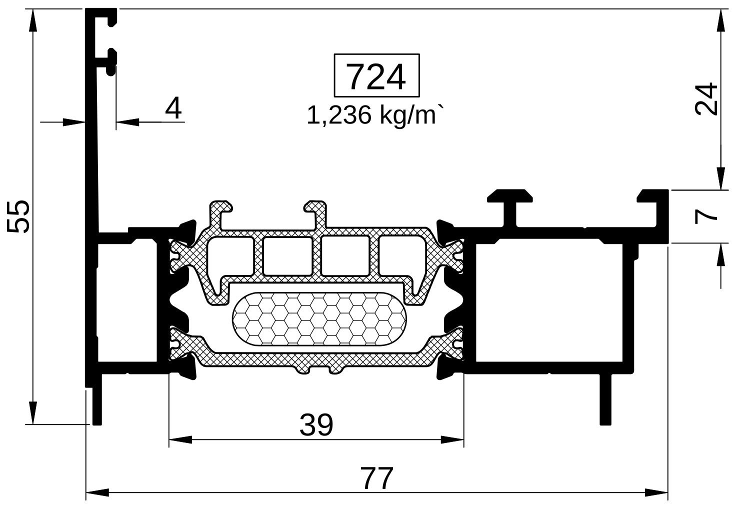
	Oznaka Mark Марк kg/m'	Opis Description Описание	cm⁴ Ix Iy			a a	b b
	108 0,393	Držač stakla -38,5mm Glazing bead -38,5mm Подстаканник -38,5мм	- -	- -	- -	- -	- -
	107 0,447	Držač stakla -46,5mm Glazing bead -46,5mm Подстаканник -46,5мм	- -	- -	- -	- -	- -
	129 0,198	Nosač četkice Brush holder Держатель щетки	- -	- -	- -	- -	- -
	V05 0,389	Opšivni profil Casing profile Обшивка	- -	- -	- -	- -	- -
	TM33 0,152	Pogonska letva Mechanism rod Стержень для механизма	- -	- -	- -	- -	- -
	TM36 0,177	Slivnik Waterdrip Капельник	- -	- -	- -	- -	- -
	TM42 0,272	Slivnik i nosač četkice Waterdrip and brush holder Капельник и держатель щетки	- -	- -	- -	- -	- -
	TM43 0,130	Nosač četkice Brush holder Держатель щетки	- -	- -	- -	- -	- -
	TM67 0,303	Nosač solbanka The carrier of window sills Подоконники носителей	- -	- -	- -	- -	- -

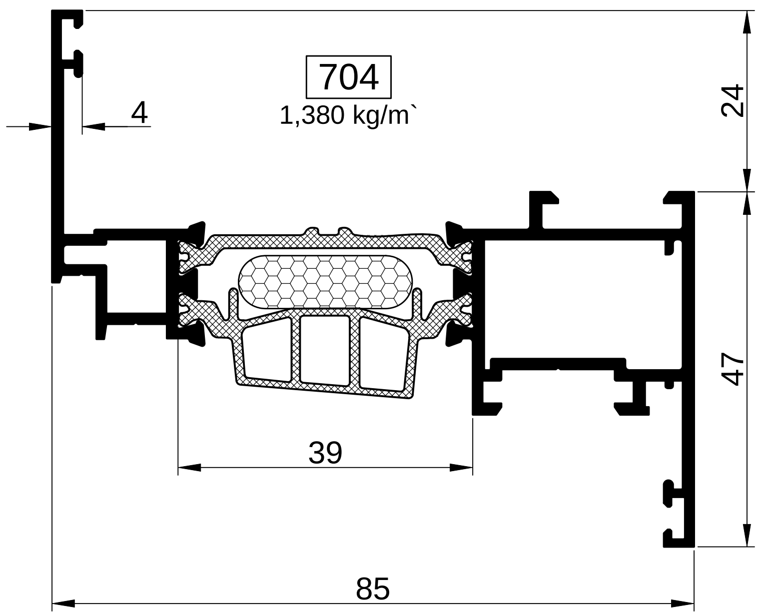
	Oznaka / Mark / Марк kg/m'	Opis / Description / Описание	cm⁴ Ix / Iy			a / a	b / b
	TM80	Modularni stub Modular mullion Модульный колонка	19,9	-	-	-	-
	0,947		5,1	-	-	-	-
	TM81	Pokopac za TM80 Cover for TM80 Порог для TM80	-	-	-	-	-
	0,103		-	-	-	-	-

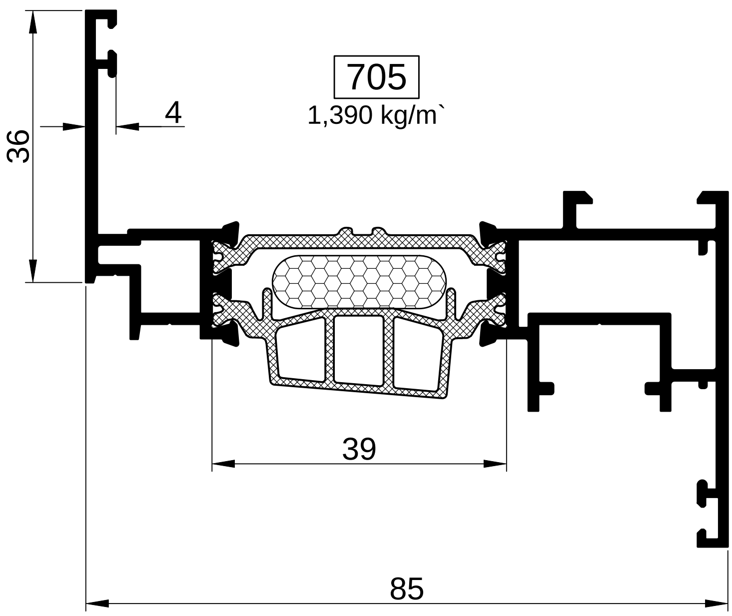

701
1,567 kg/m`
4
65
24
41
39
77

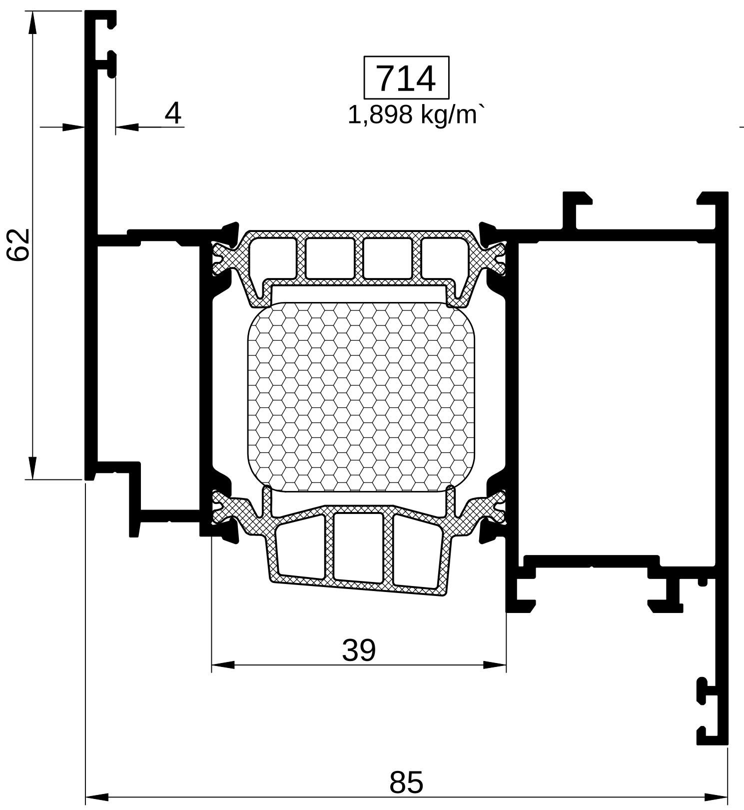

730
1,598 kg/m`
4
65
24
41
39
77

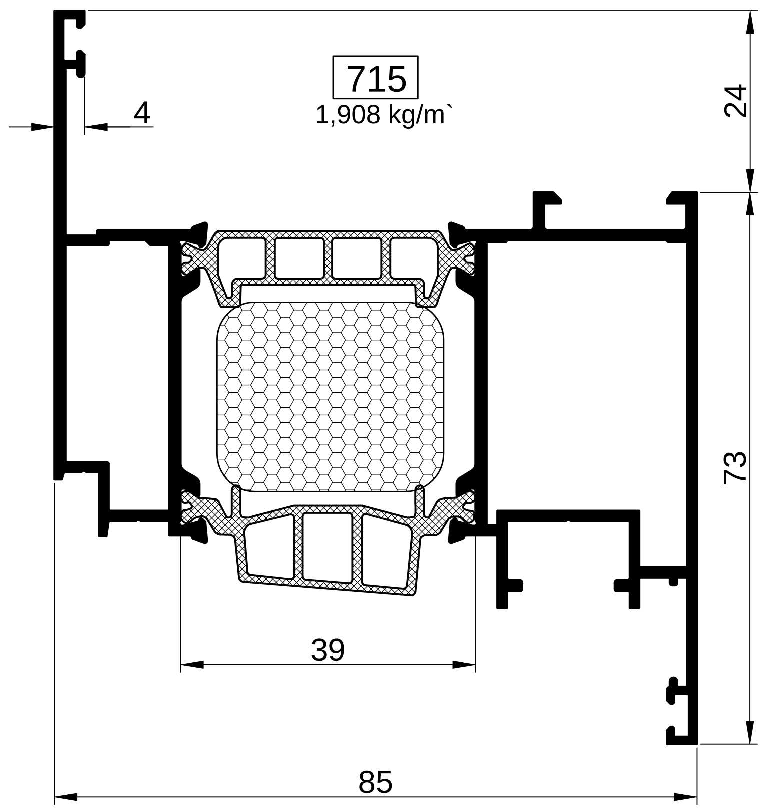

728
1,298 kg/m`
4
50
24
26
39
77

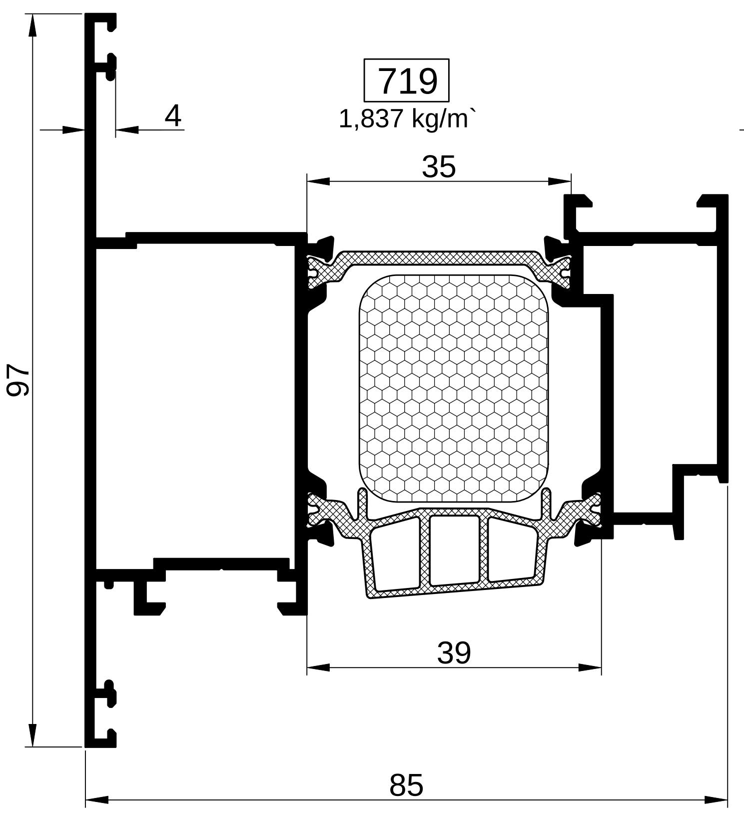

724
1,236 kg/m`
4
55
24
7
39
77

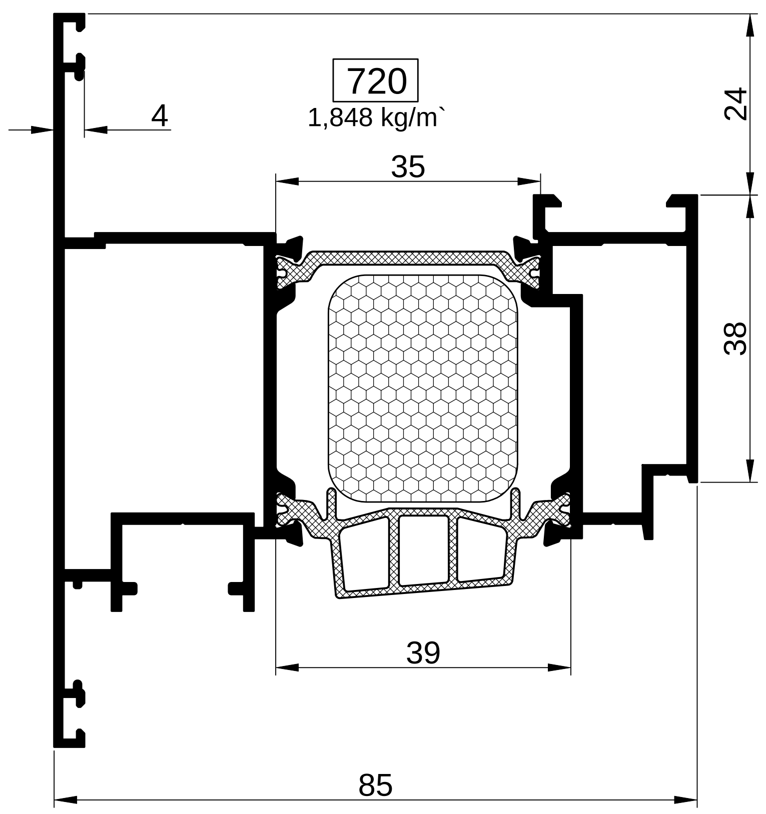

704
1,380 kg/m`
4
24
47
39
85

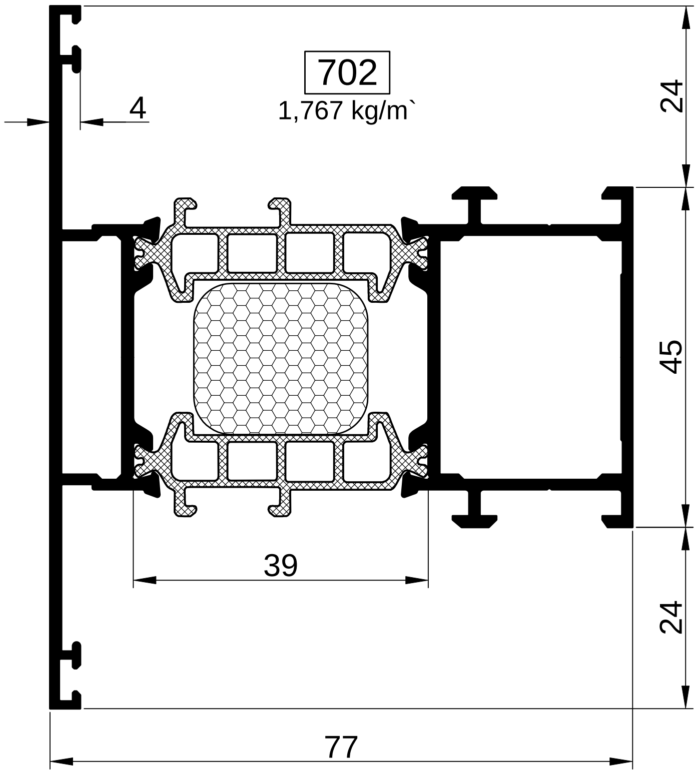

705
1,390 kg/m`
4
36
39
85

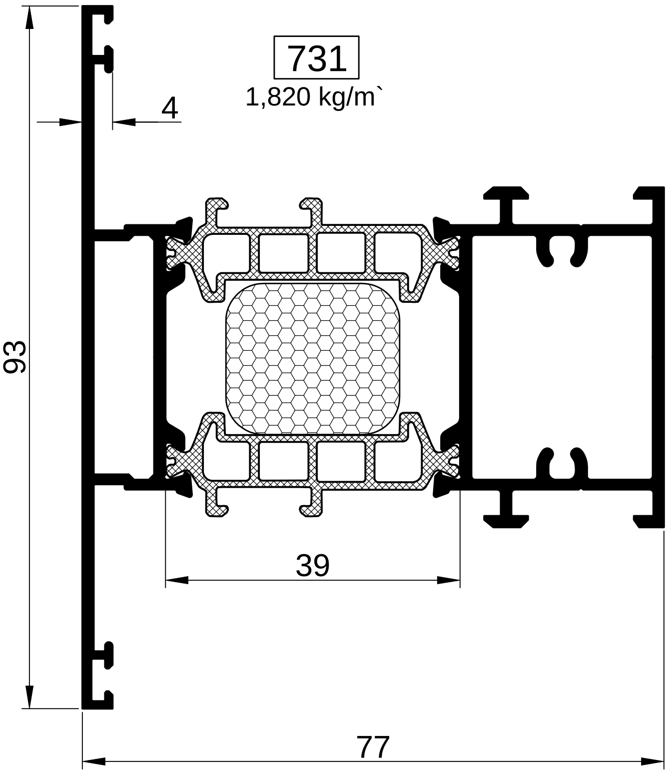

714
1,898 kg/m`
62
4
39
85

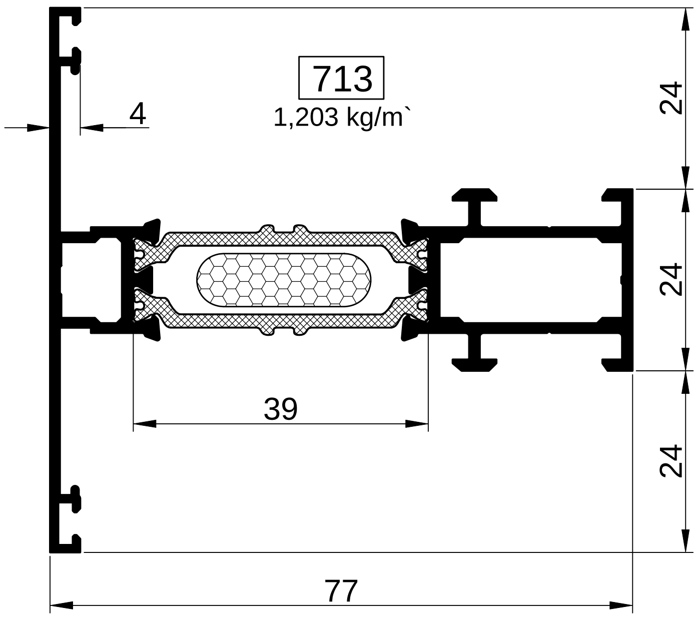

715
1,908 kg/m`
4
24
73
39
85

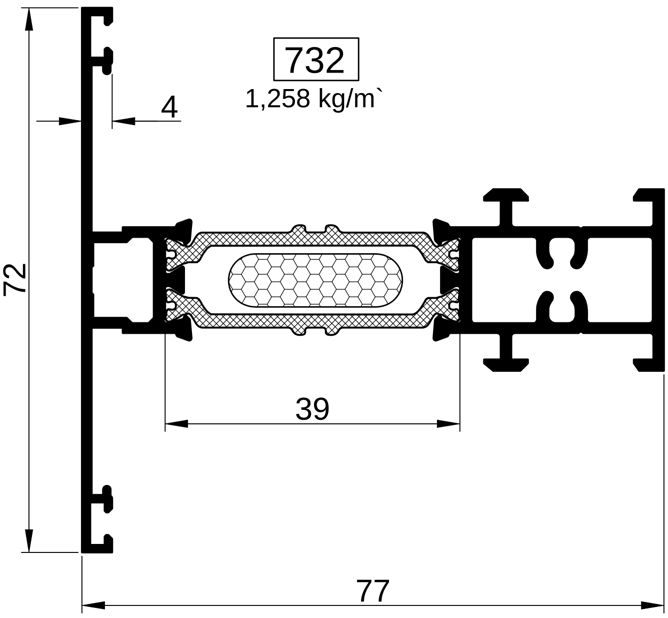

719
1,837 kg/m`
97
4
35
39
85

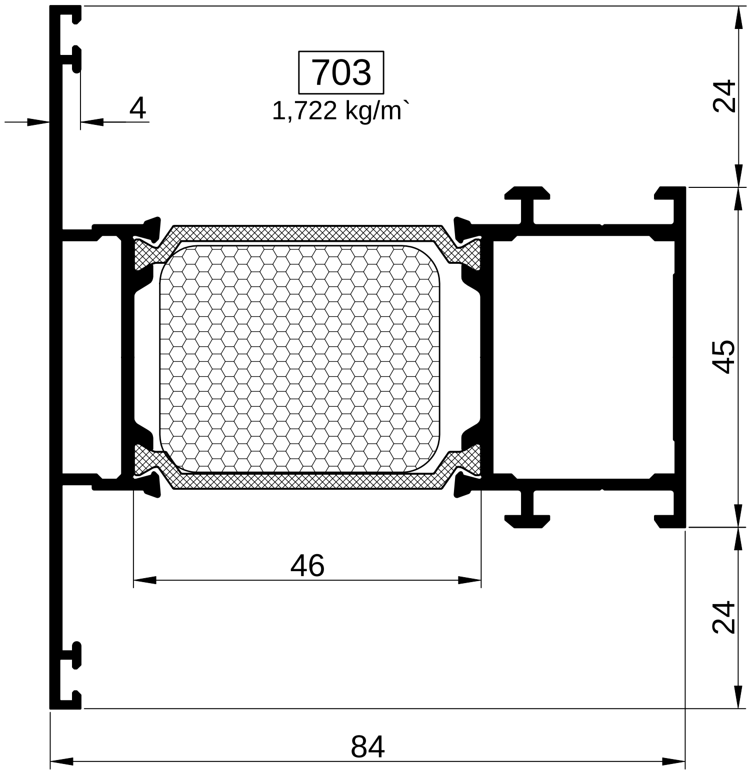

720
1,848 kg/m`
4
24
35
38
39
85

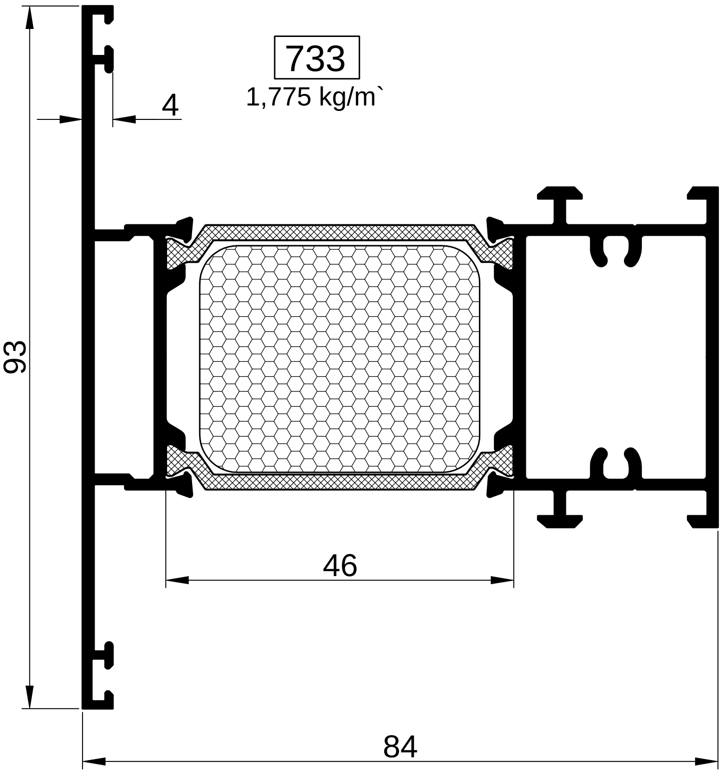

702
1,767 kg/m`
4
24
45
24
39
77

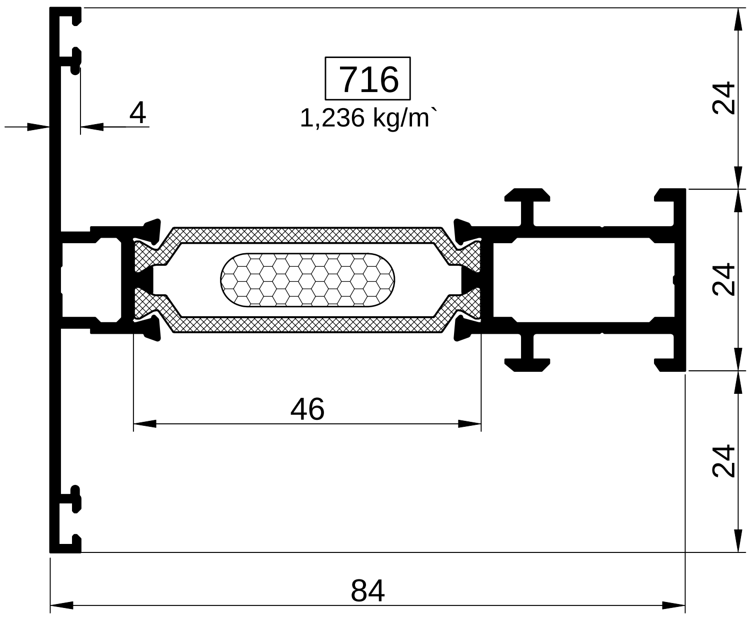

731
1,820 kg/m`
4
93
39
77

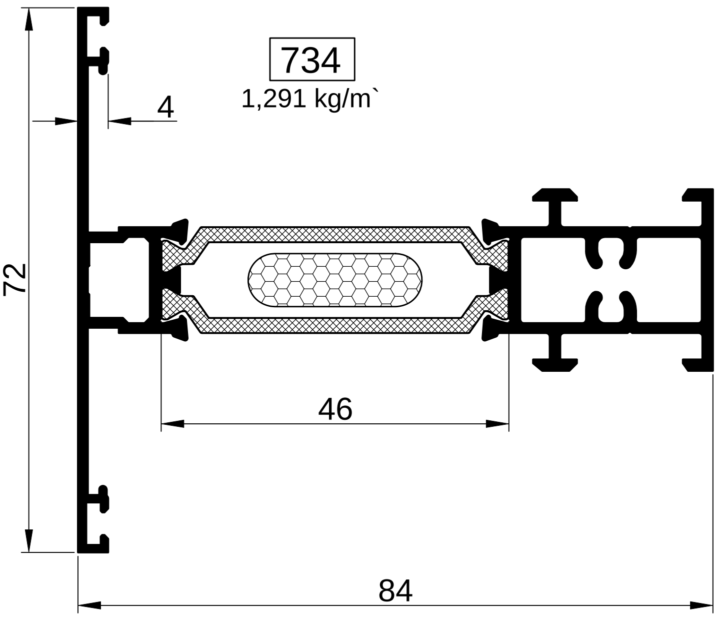

713
1,203 kg/m`
4
24
24
24
39
77

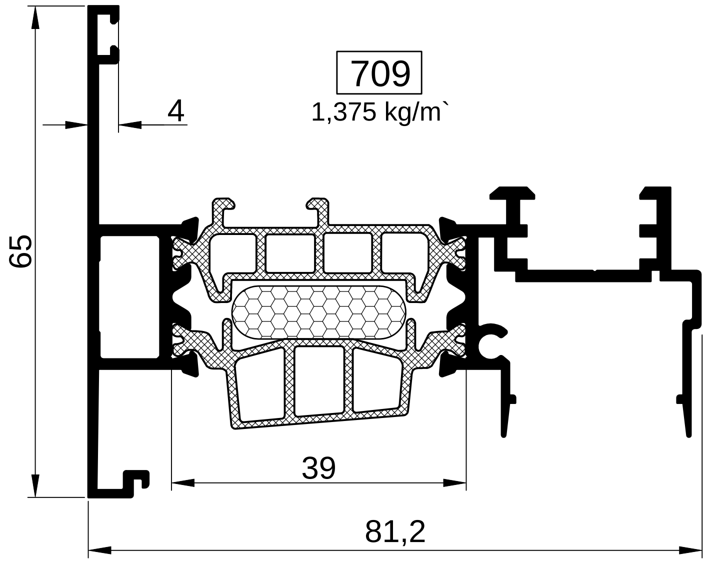

732
1,258 kg/m`
4
72
39
77

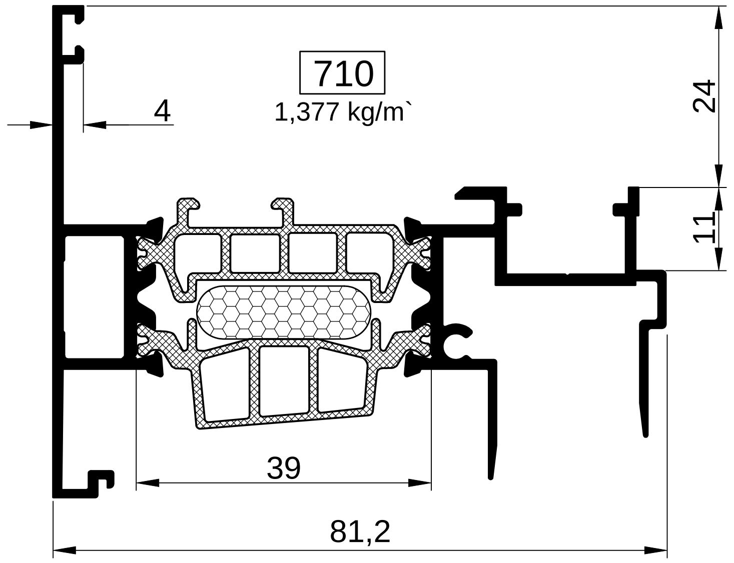

703
1,722 kg/m`
4
24
45
24
46
84

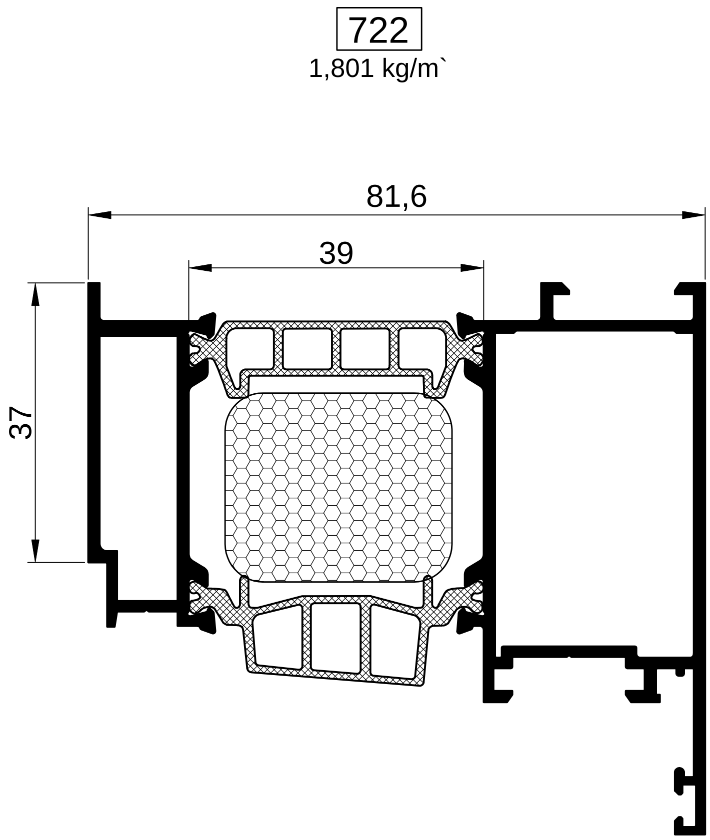

733
1,775 kg/m`
4
93
46
84

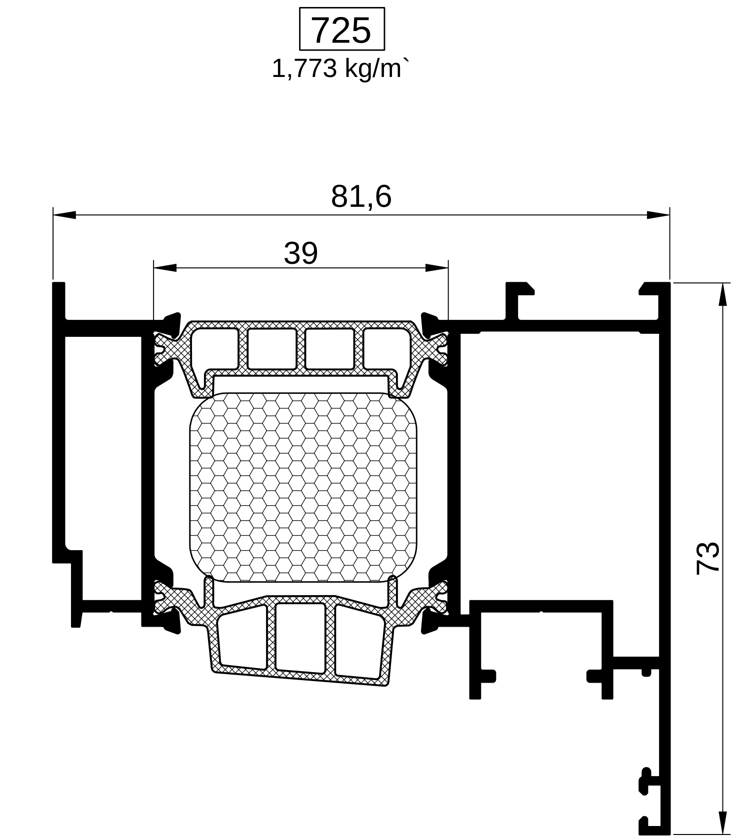

716
1,236 kg/m`
4
24
24
24
46
84

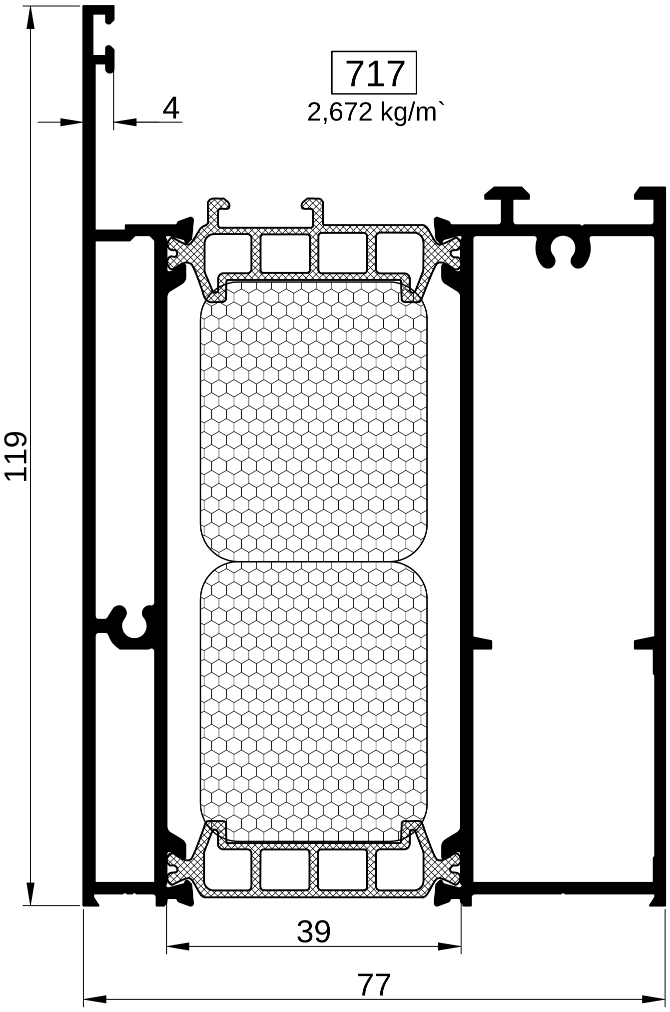

734
1,291 kg/m`
4
72
46
84

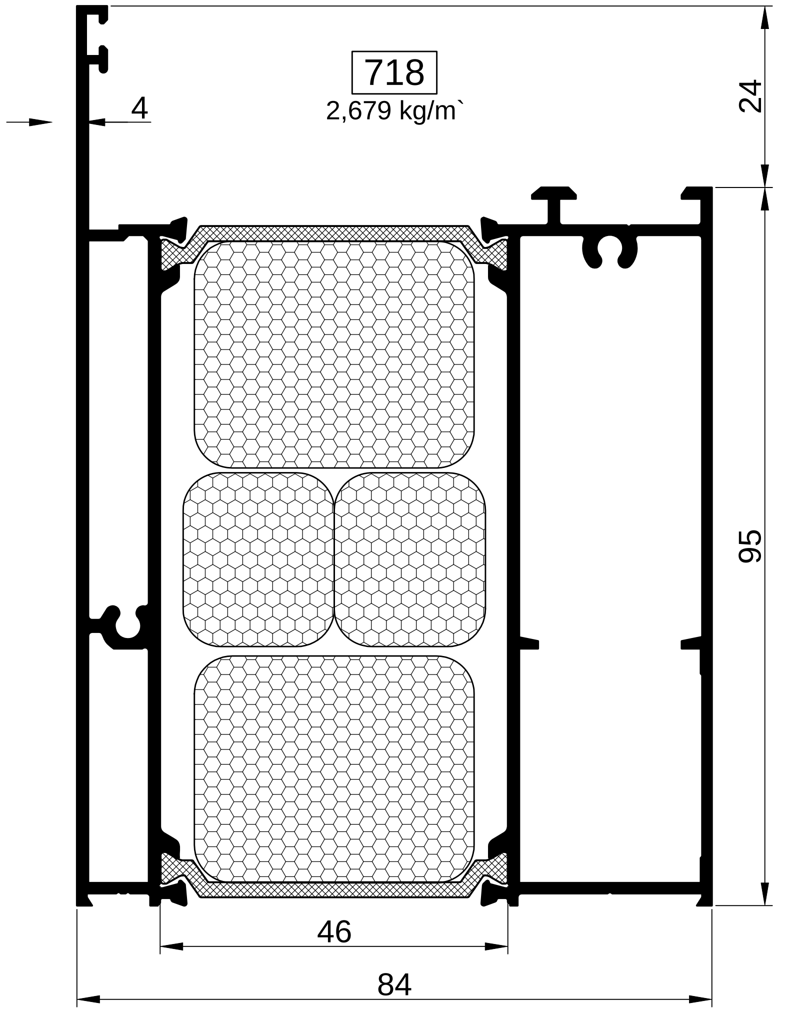

709
1,375 kg/m`
4
65
39
81,2

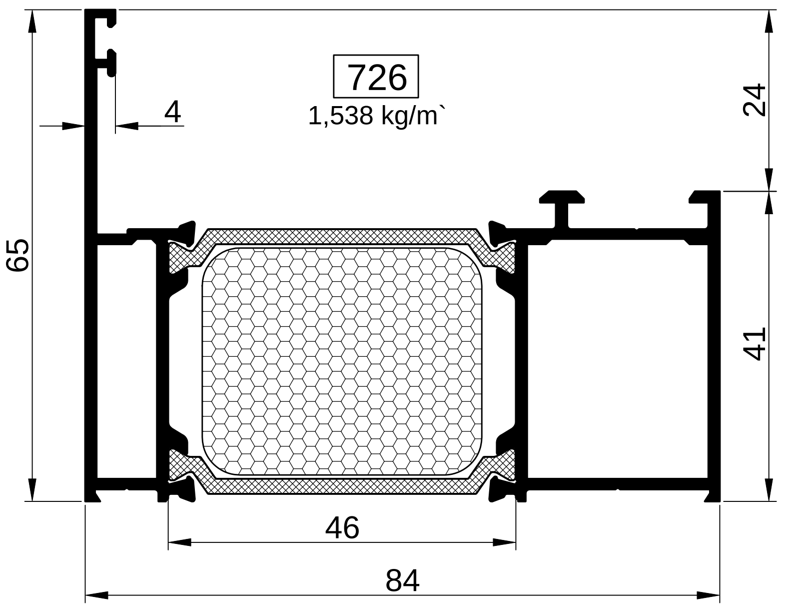

710
1,377 kg/m`
4
24
11
39
81,2

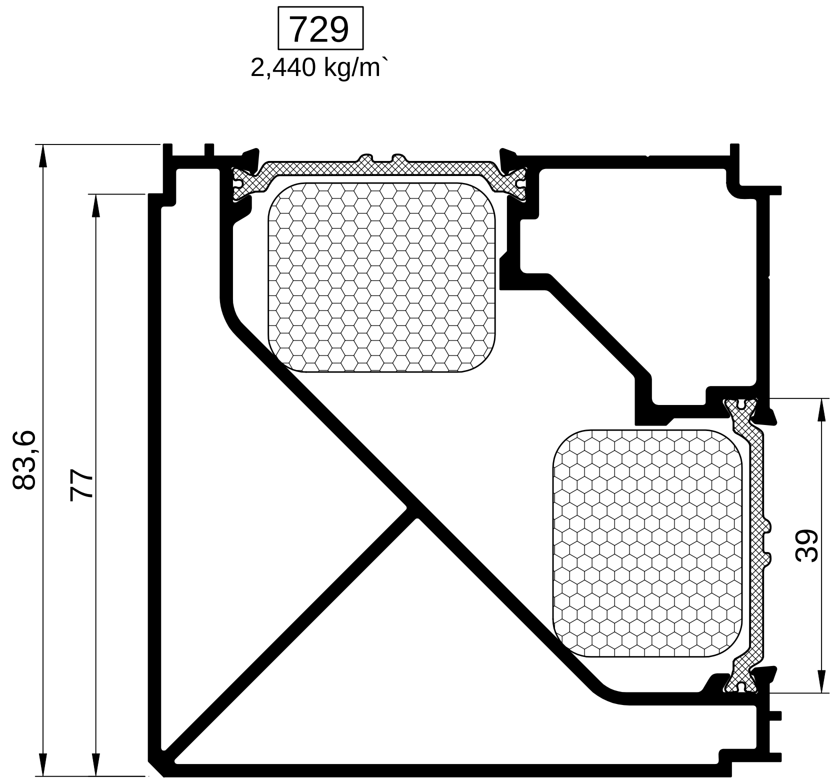

722
1,801 kg/m`
81,6
39
37

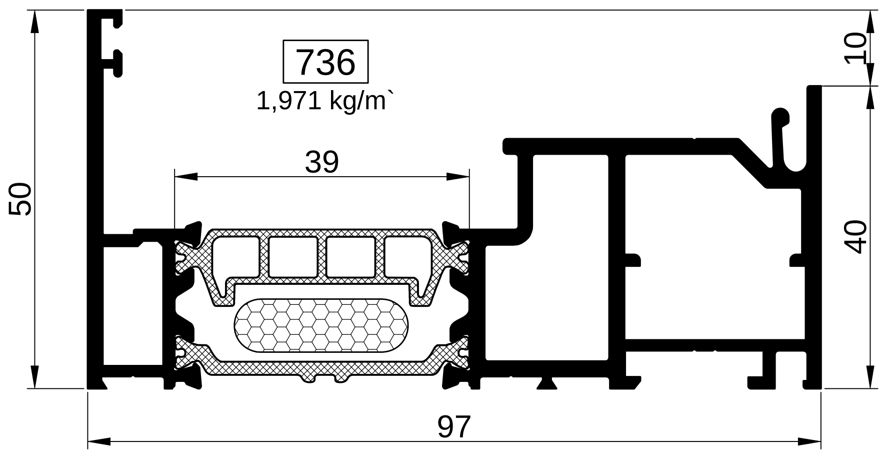

725
1,773 kg/m`
81,6
39
73

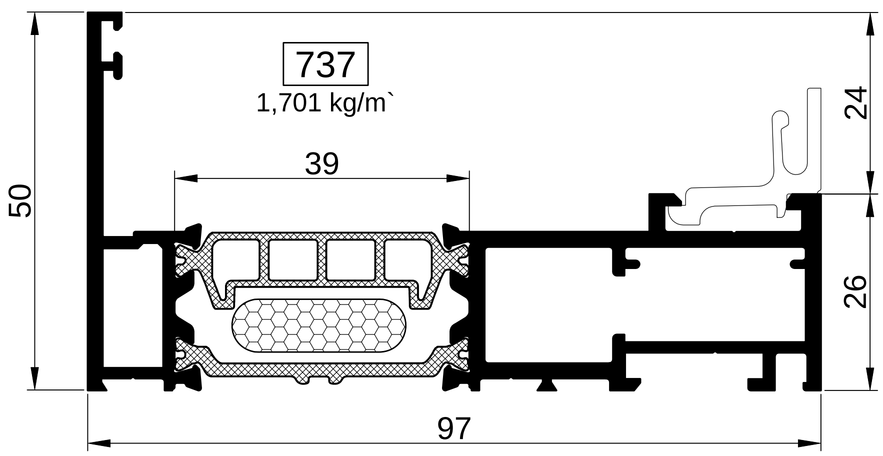

717
2,672 kg/m`
4
119
39
77


718
2,679 kg/m`
4
24
95
46
84


726
1,538 kg/m`
4
24
65
41
46
84

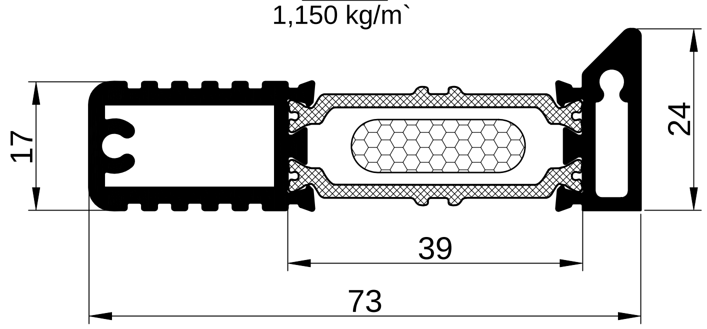

729
2,440 kg/m`
83,6
77
39


736
1,971 kg/m`
39
50
10
40
97


737
1,701 kg/m`
39
50
24
26
97

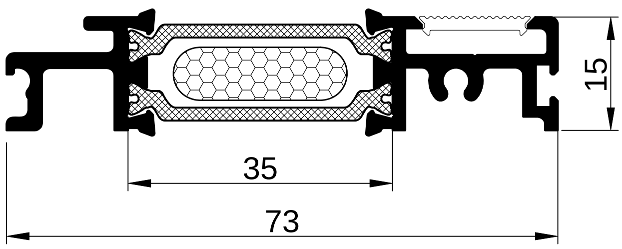
708

1,150 kg/m`



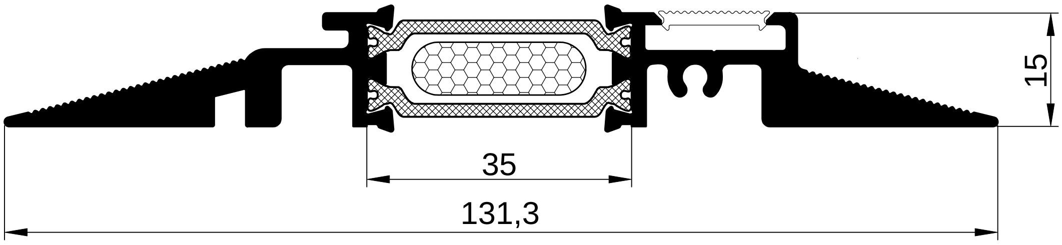
723

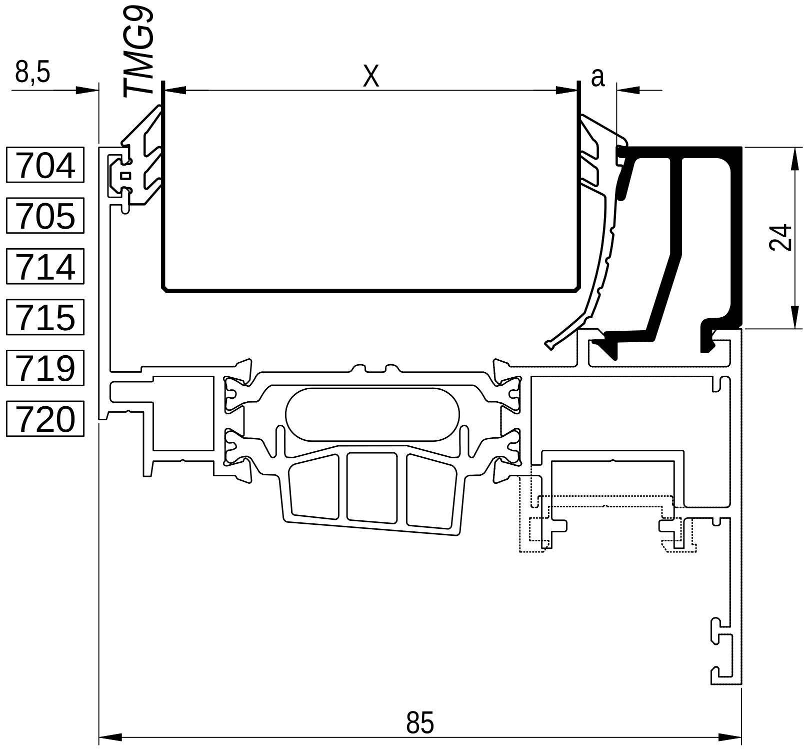
0,859 kg/m`

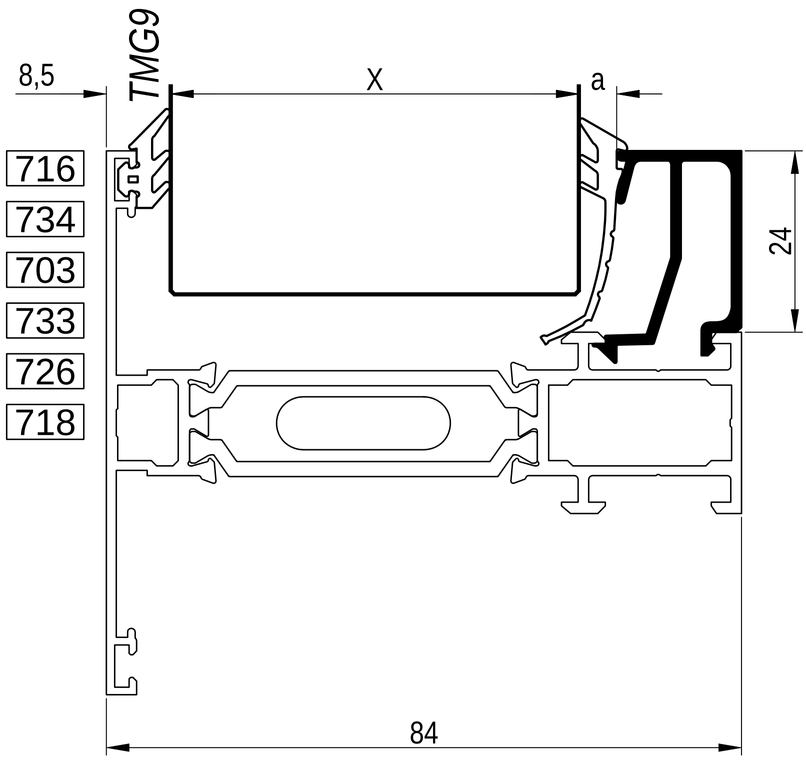


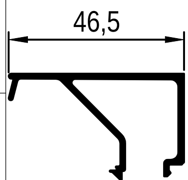
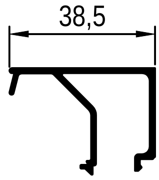
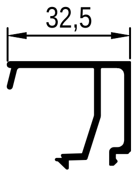
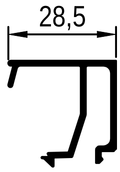
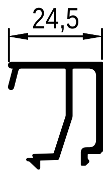
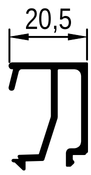
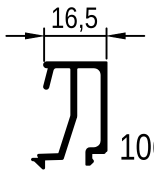
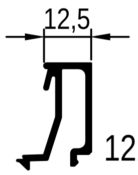
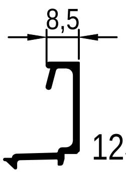
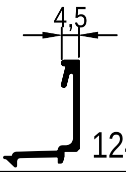
735

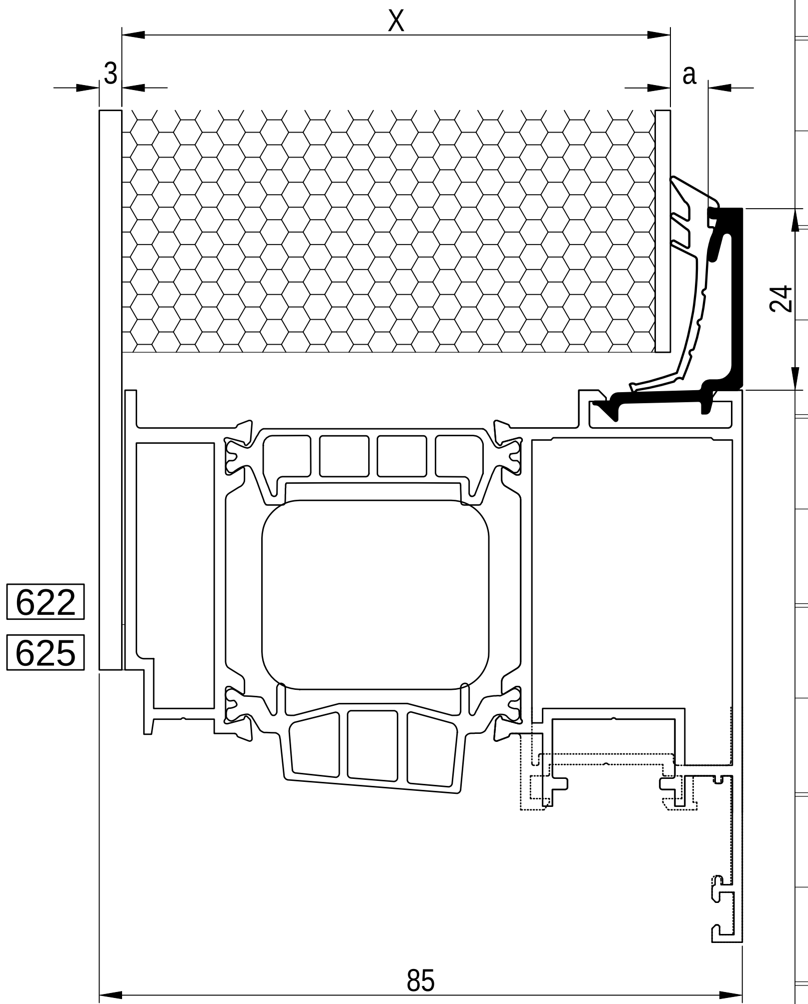
1,655 kg/m`

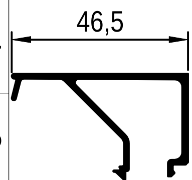
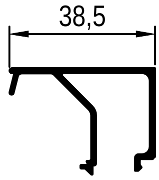
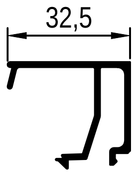
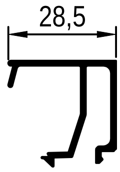
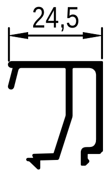
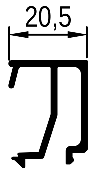
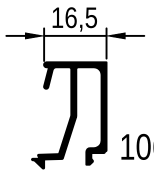
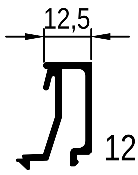
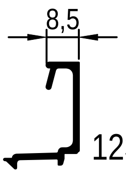






Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
23 - 24	938	7 - 6	 107
25 - 26	921	5 - 4	
31 - 32	938	7 - 6	 108
33 - 34	921	5 - 4	
37 - 38	938	7 - 6	 101
39 - 40	921	5 - 4	
41 - 42	938	7 - 6	 117
43 - 44	921	5 - 4	
45 - 46	938	7 - 6	 100
47 - 48	921	5 - 4	
49 - 50	938	7 - 6	 116
51 - 52	921	5 - 4	
53 - 54	938	7 - 6	 106
55 - 56	921	5 - 4	
57 - 58	938	7 - 6	 122
59 - 60	921	5 - 4	
61 - 62	938	7 - 6	 123
63 - 64	921	5 - 4	
65 - 66	938	7 - 6	 124
67 - 68	921	5 - 4	



Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
28.5	938	7	 107
30.5	921	5	
36.5	938	7	 108
38.5	921	5	
42.5	938	7	 101
44.5	921	5	
46.5	938	7	 117
48.5	921	5	
50.5	938	7	 100
52.5	921	5	
54.5	938	7	 116
56.5	921	5	
58.5	938	7	 106
60.5	921	5	
62.5	938	7	 122
64.5	921	5	
66.5	938	7	 123
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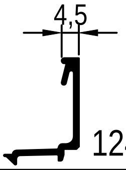
70.5	938	7	 124
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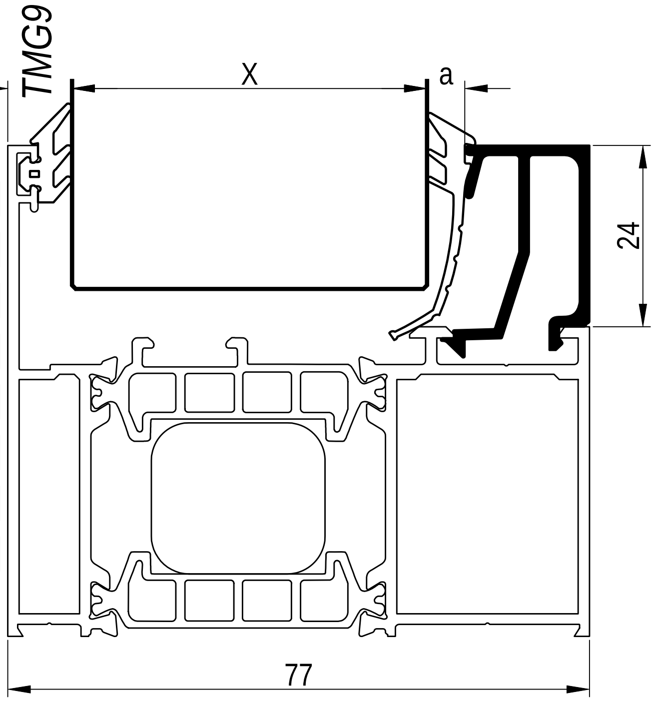
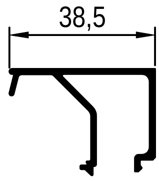


Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
23 - 24	938	7 - 6	 108
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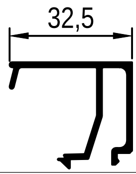
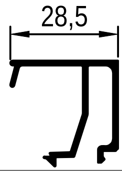
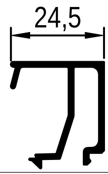
31 - 32	921	5 - 4	 101
33 - 34	938	7 - 6	 117
37 - 38	938	7 - 6	 100
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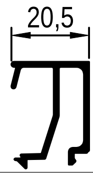
41 - 42	938	7 - 6	 116
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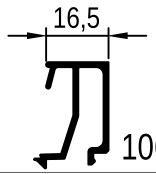
45 - 46	938	7 - 6	 106
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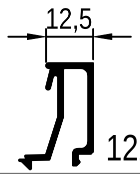
49 - 50	938	7 - 6	 122
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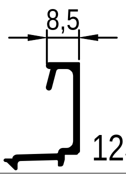
53 - 54	938	7 - 6	 123
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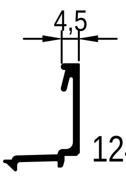
57 - 58	938	7 - 6	 124
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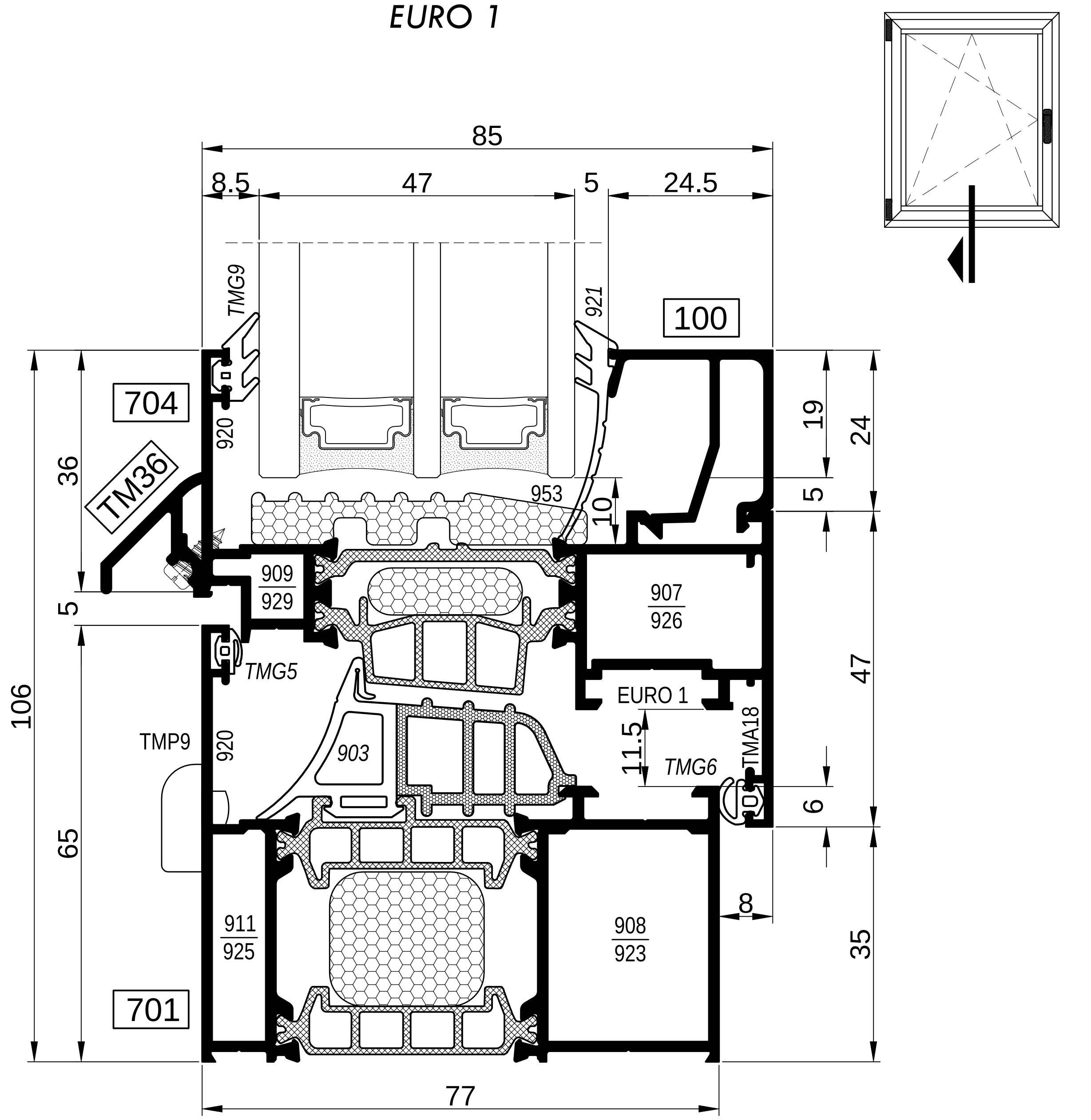
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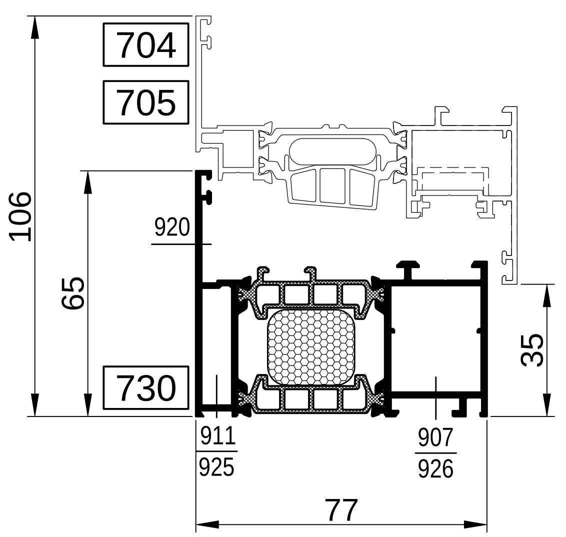
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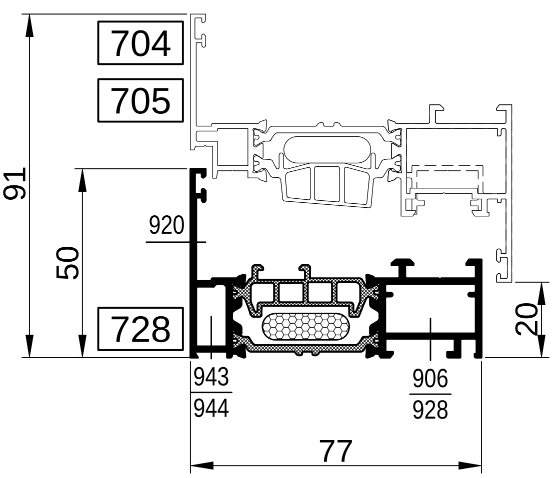
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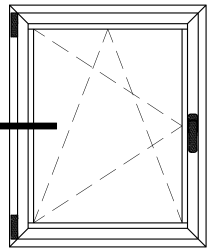

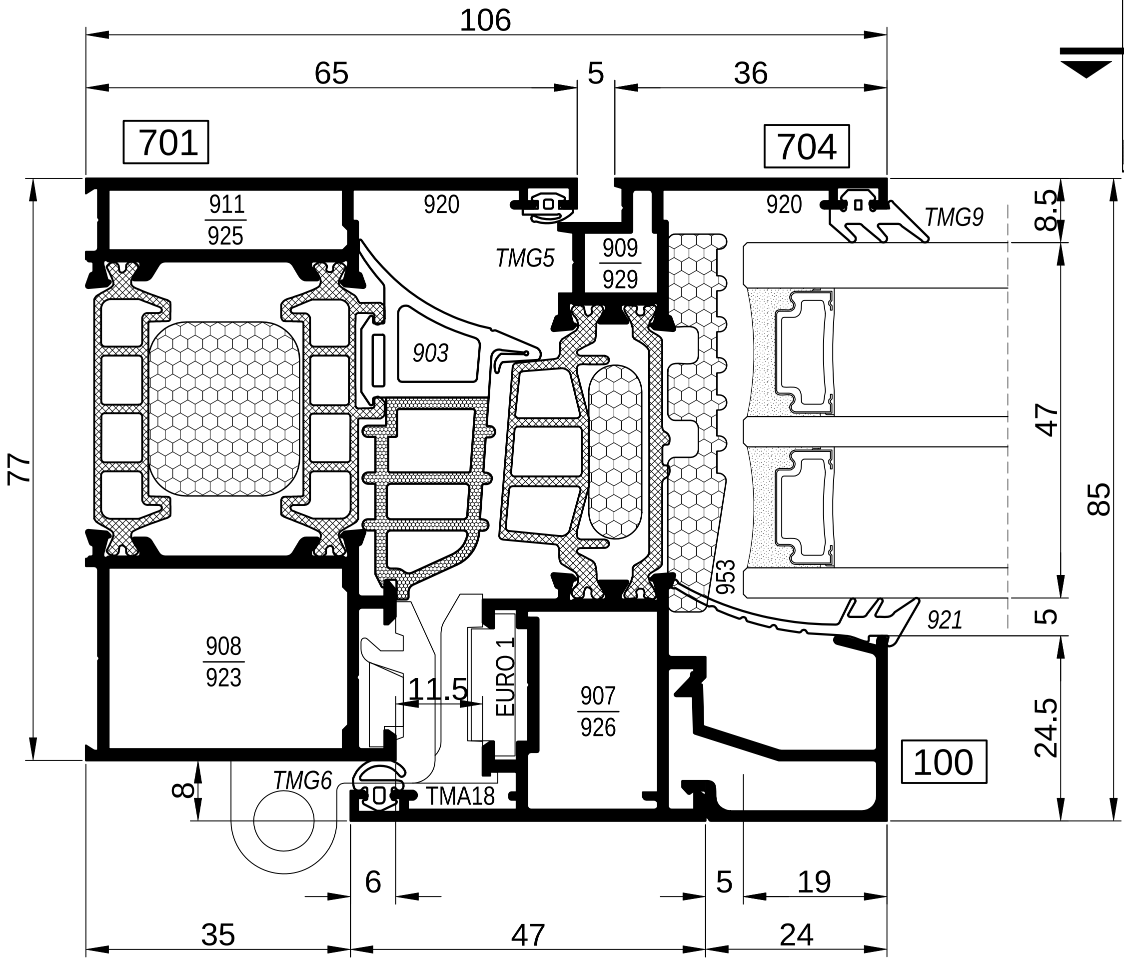
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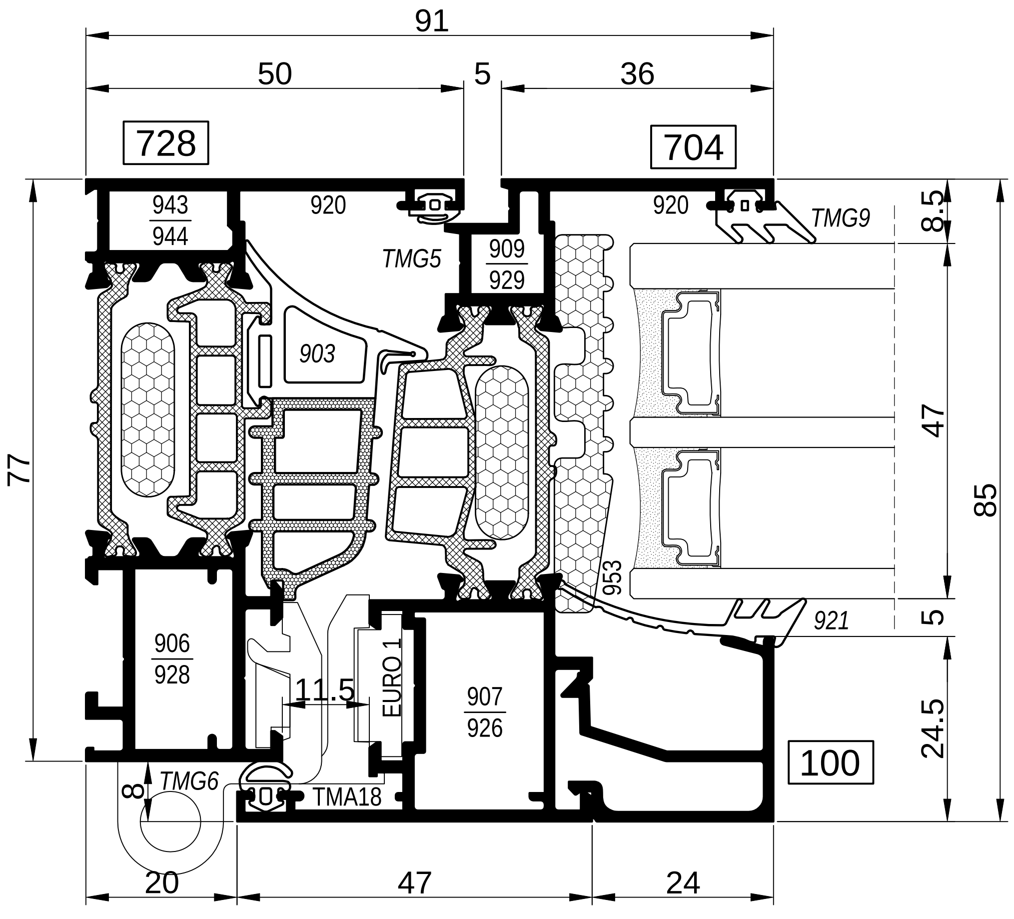
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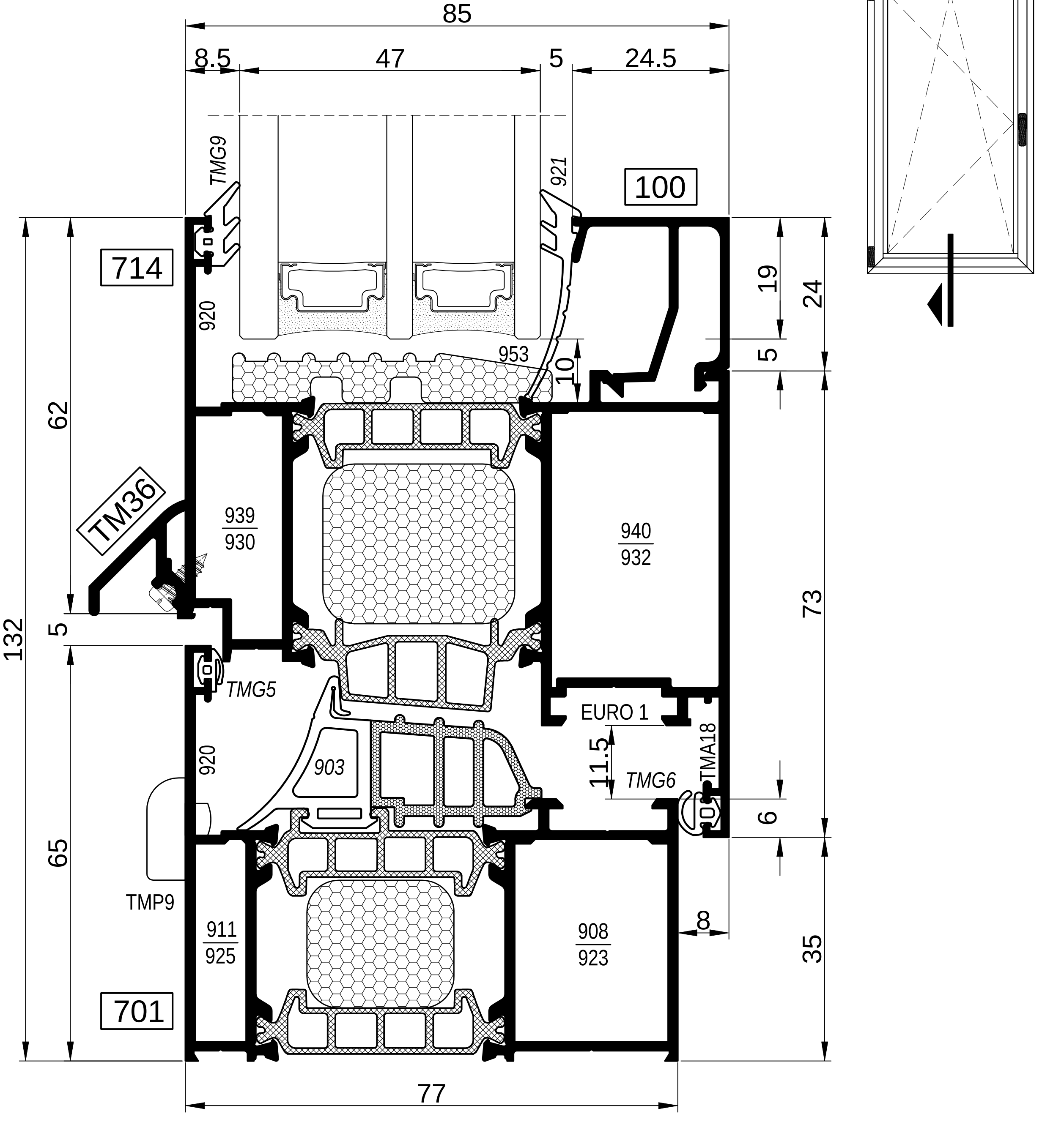
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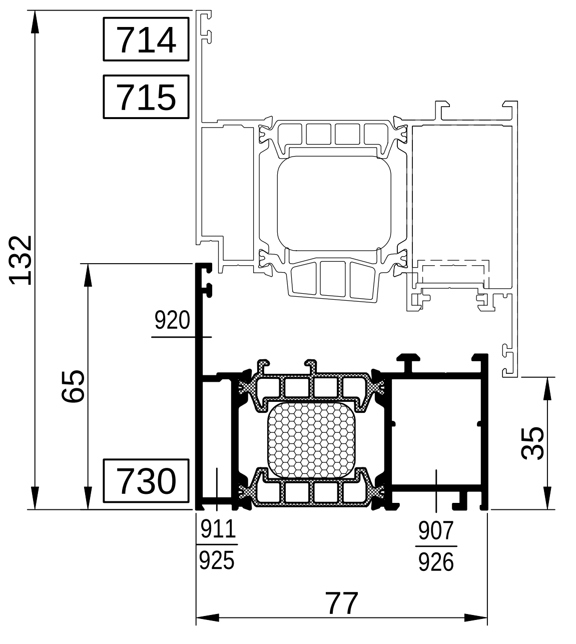
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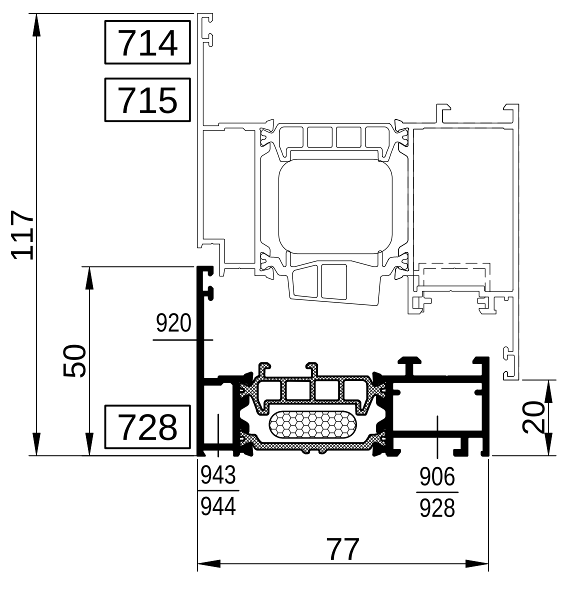
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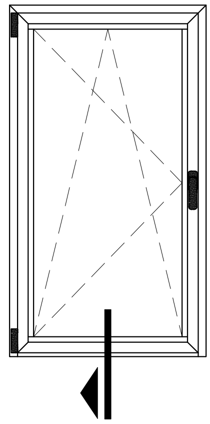

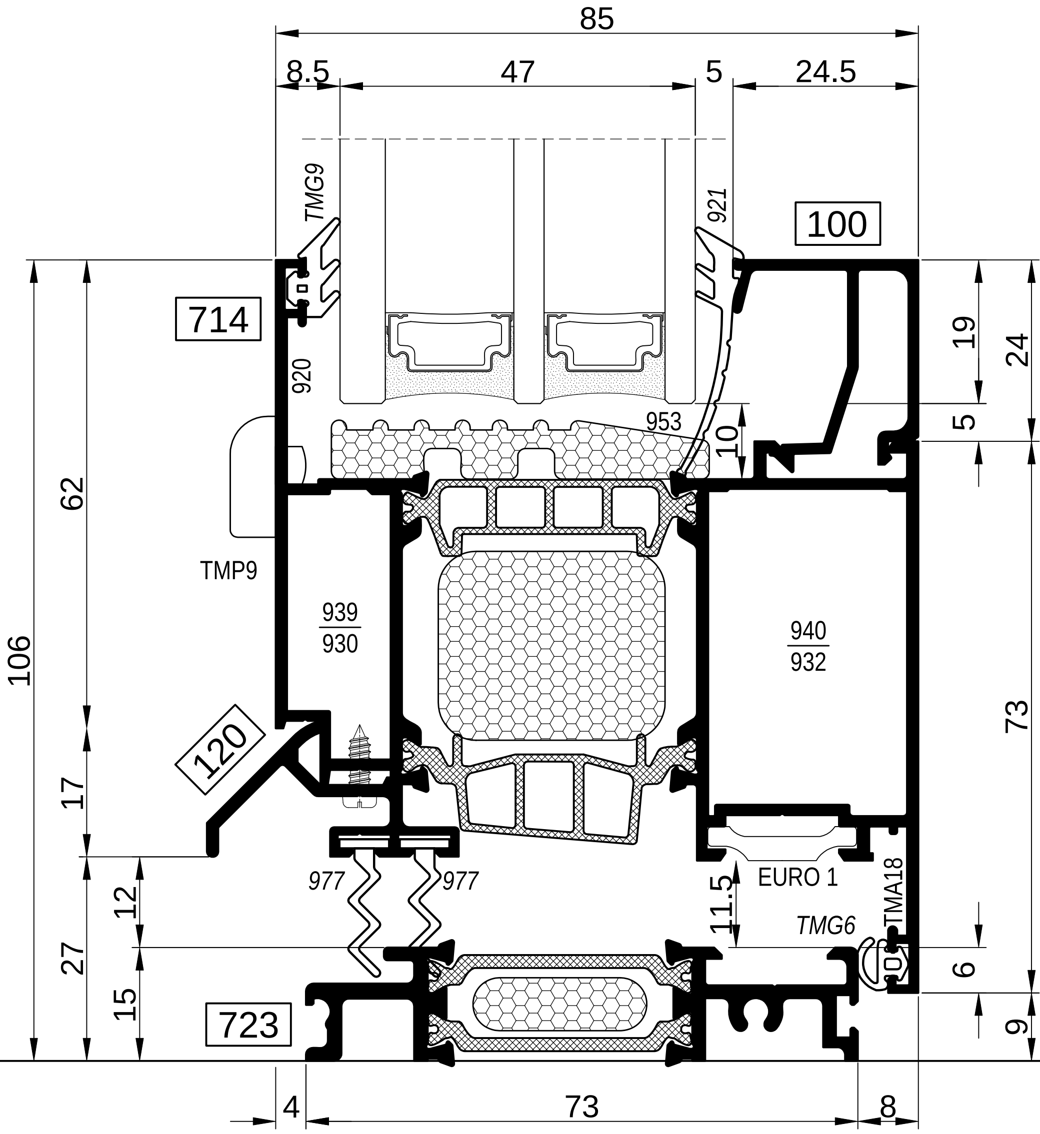
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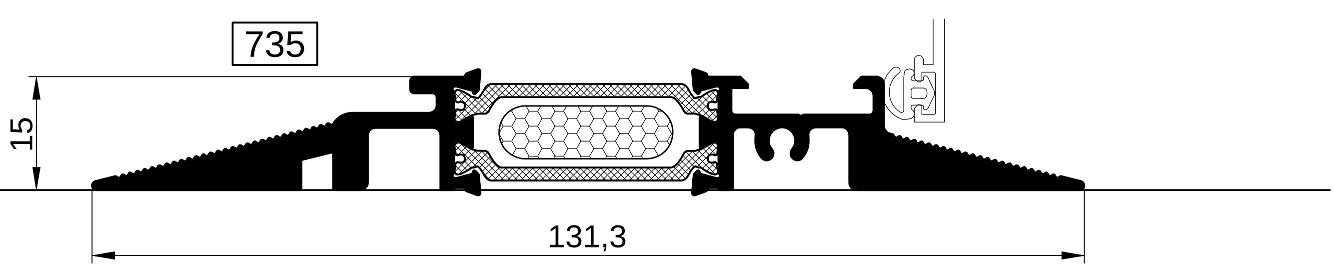
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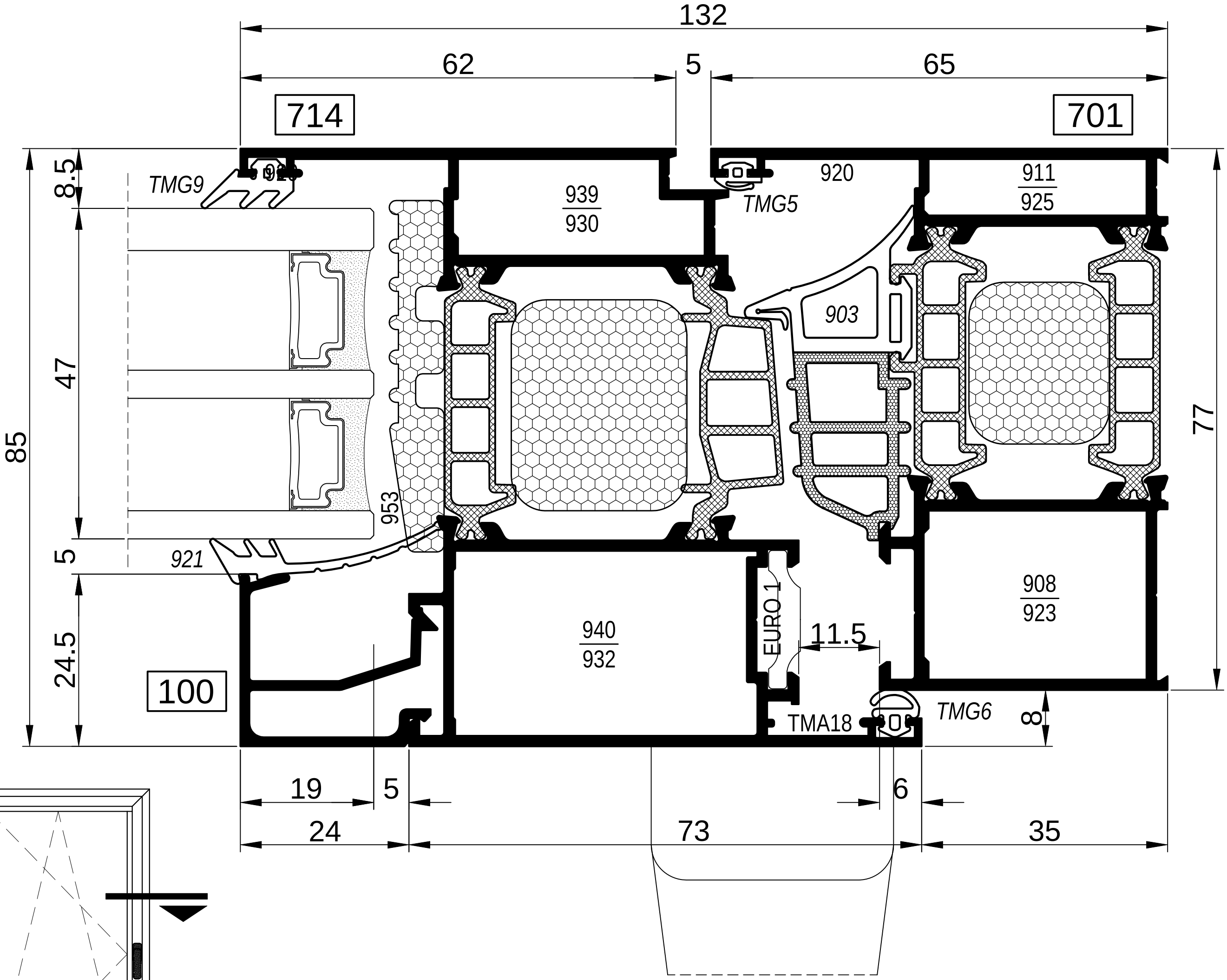
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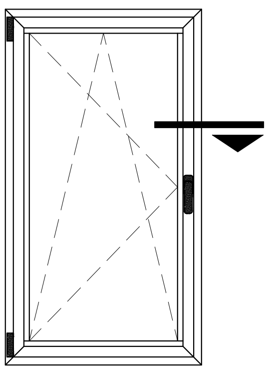

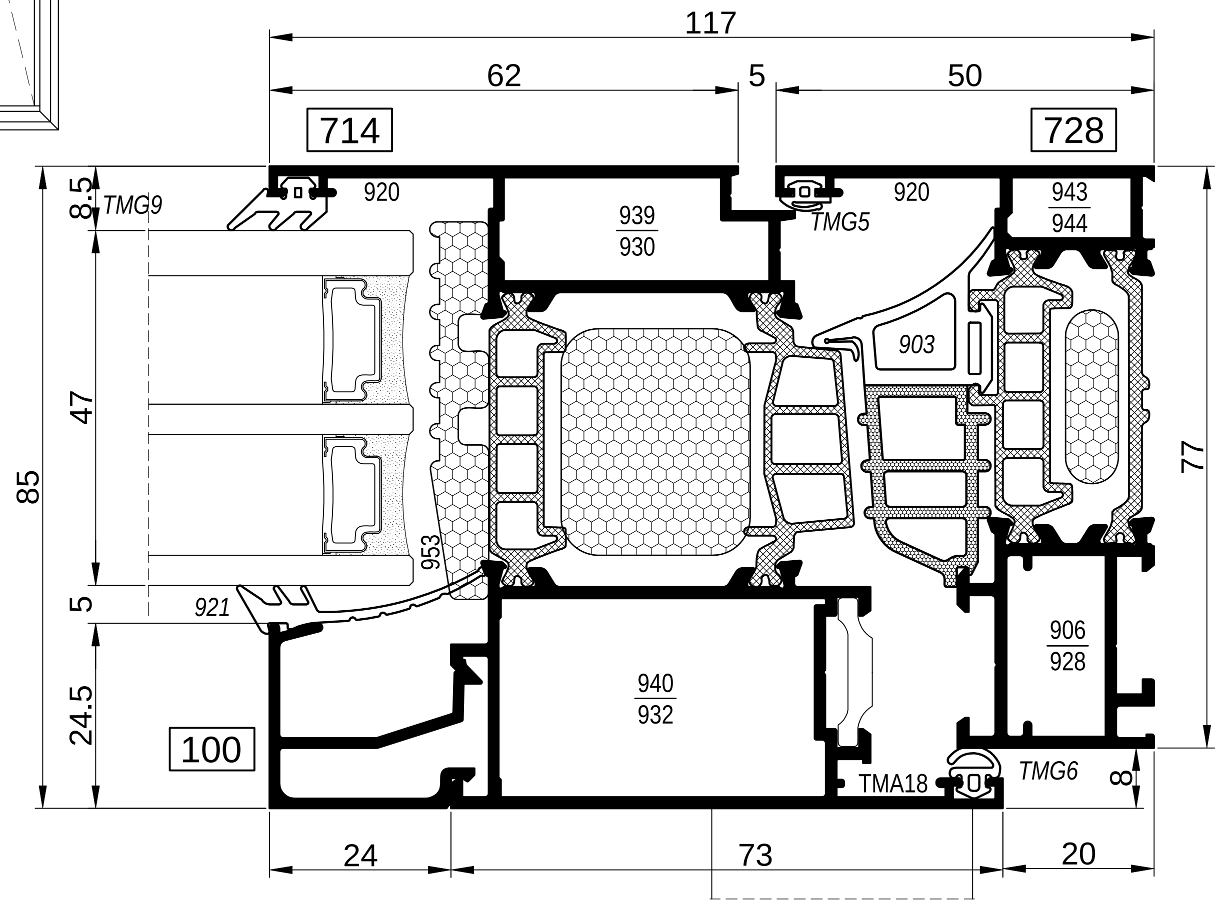
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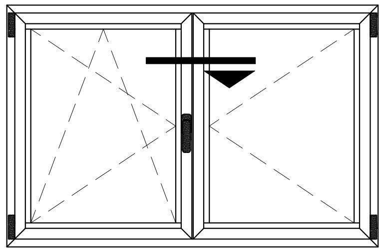

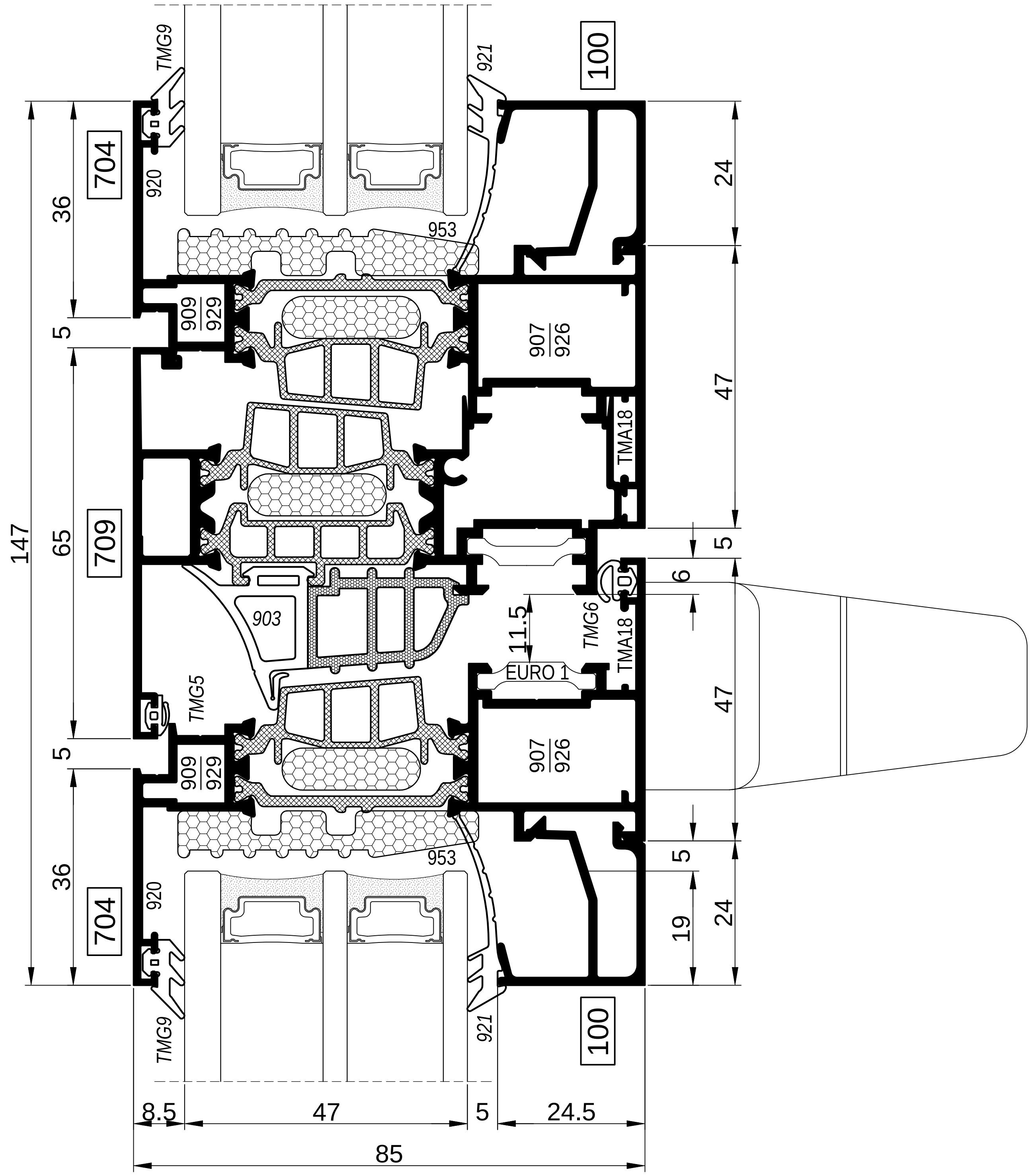
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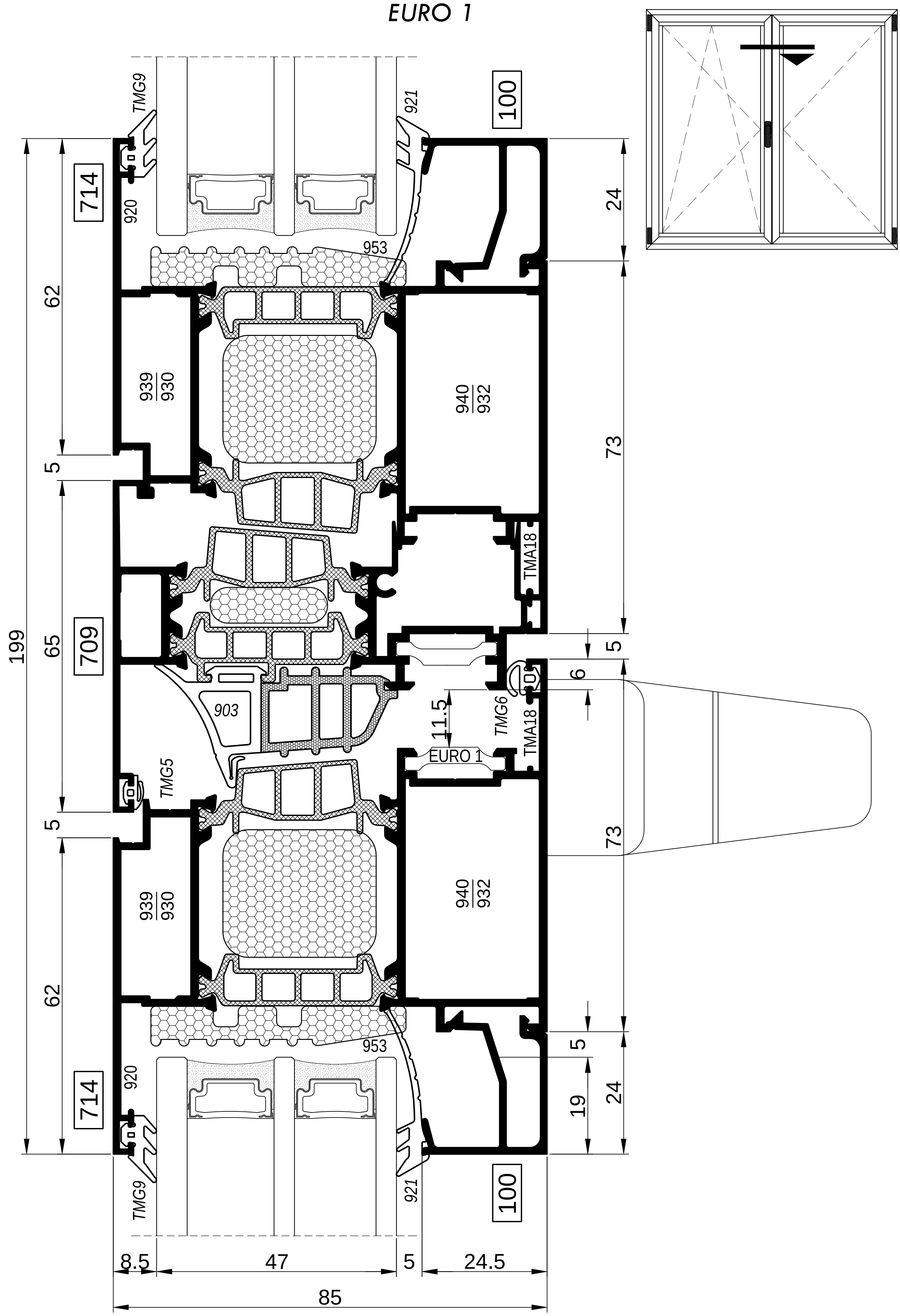
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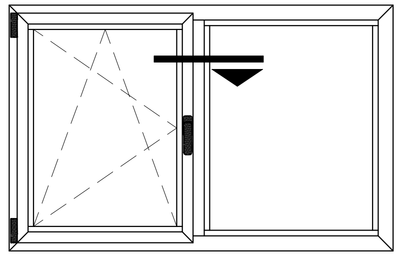

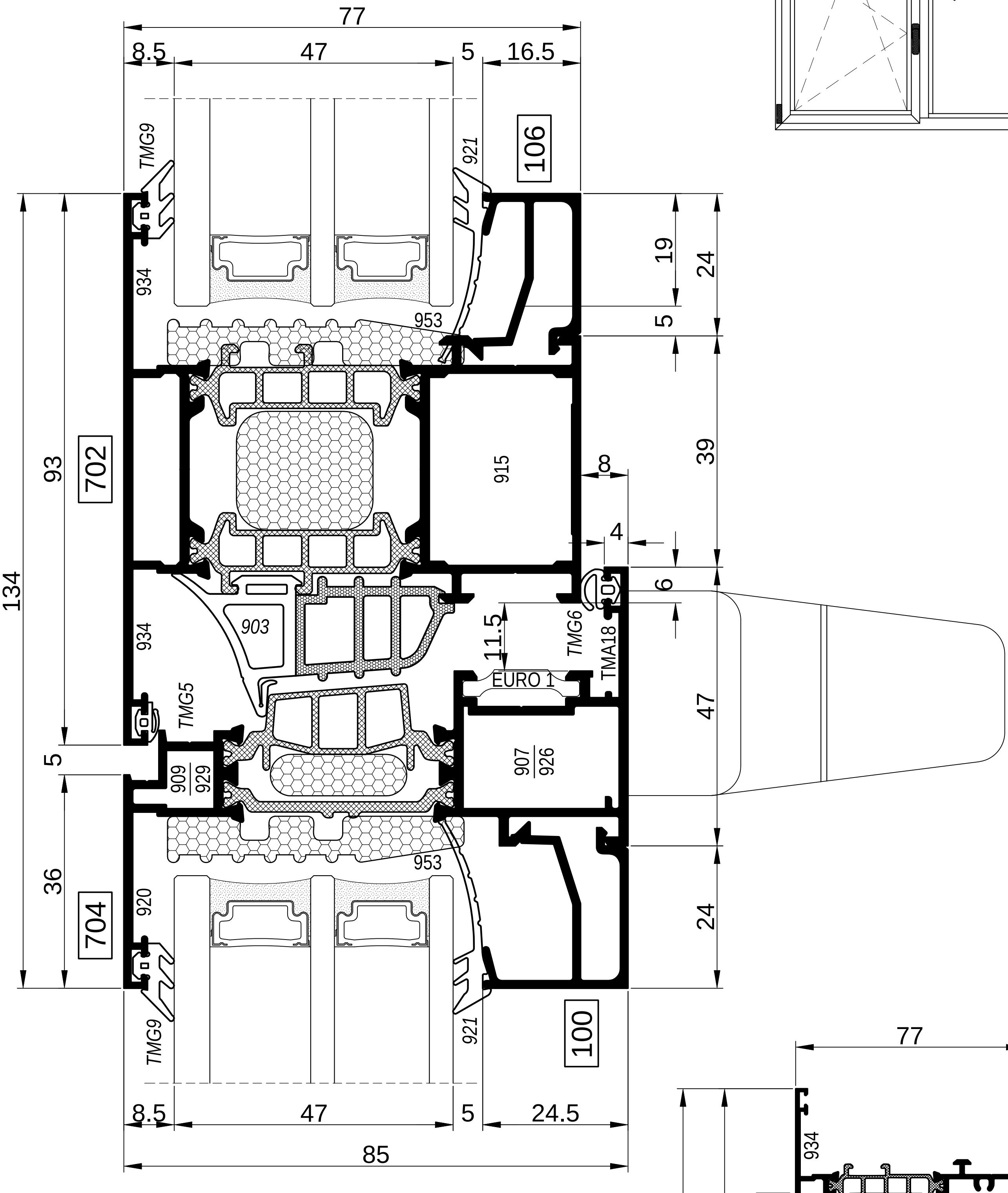
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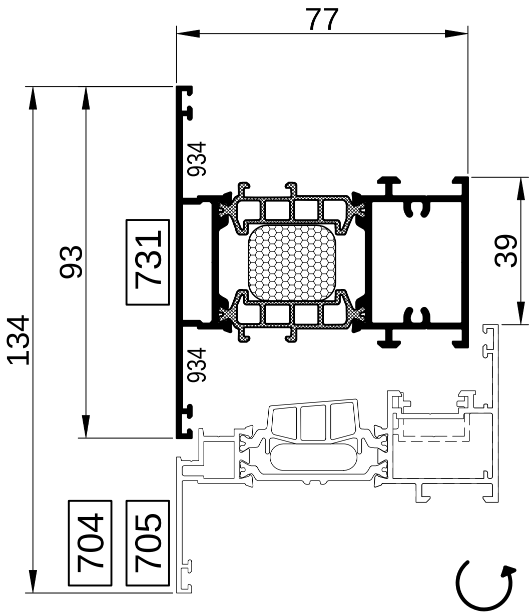
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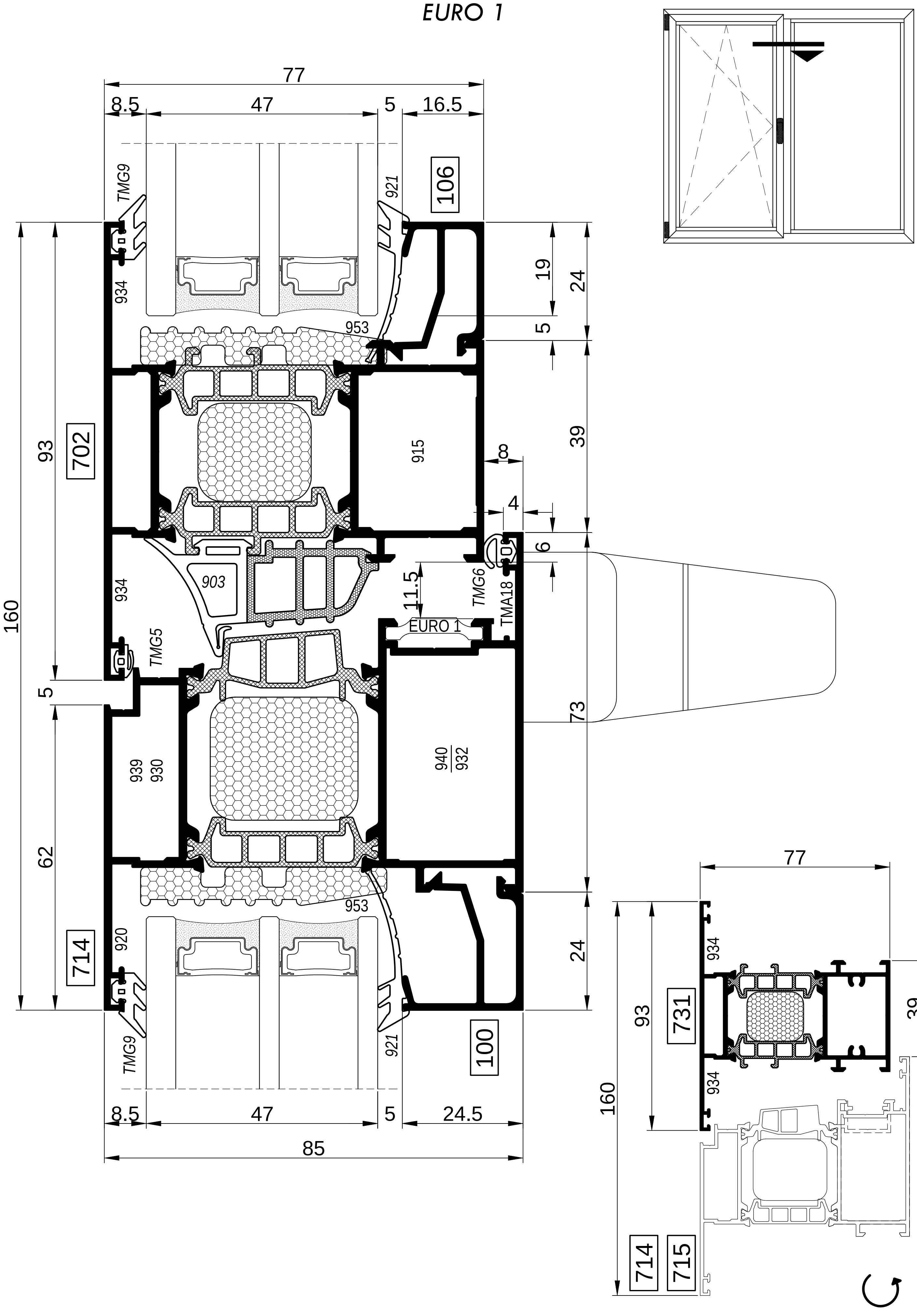
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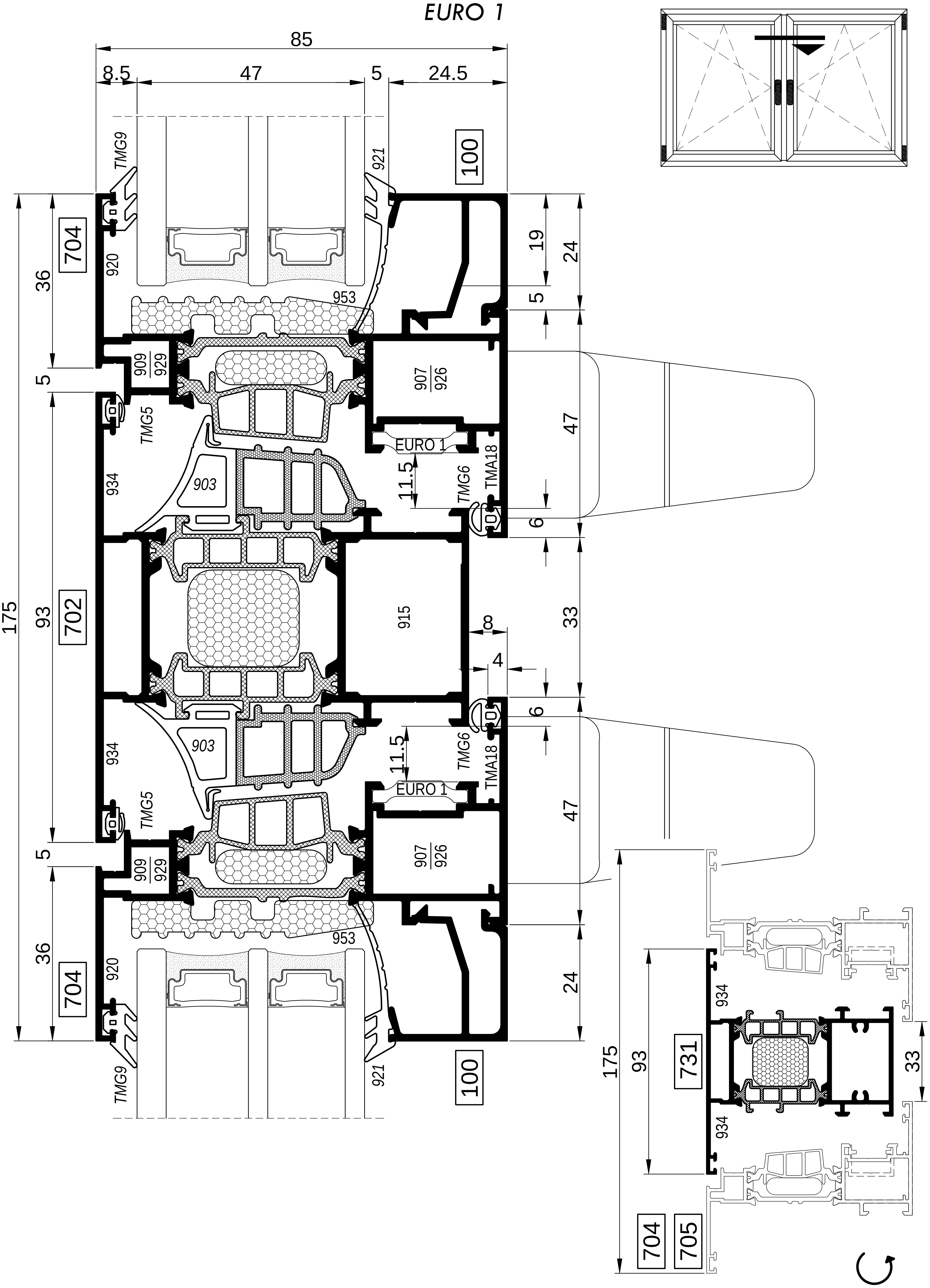
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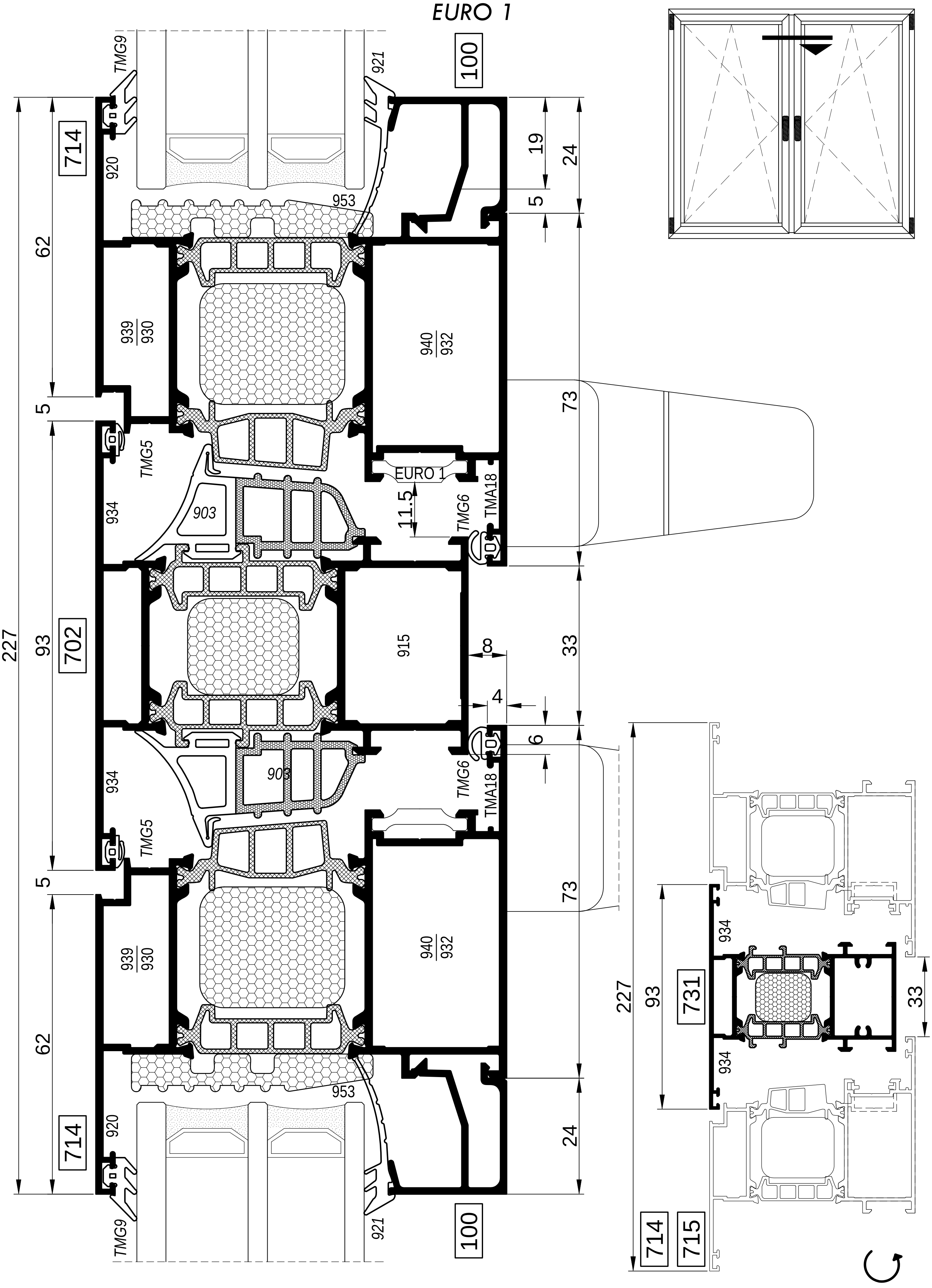
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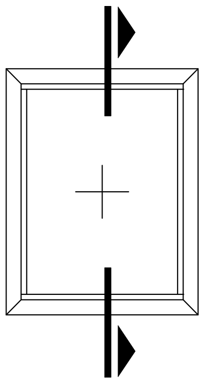

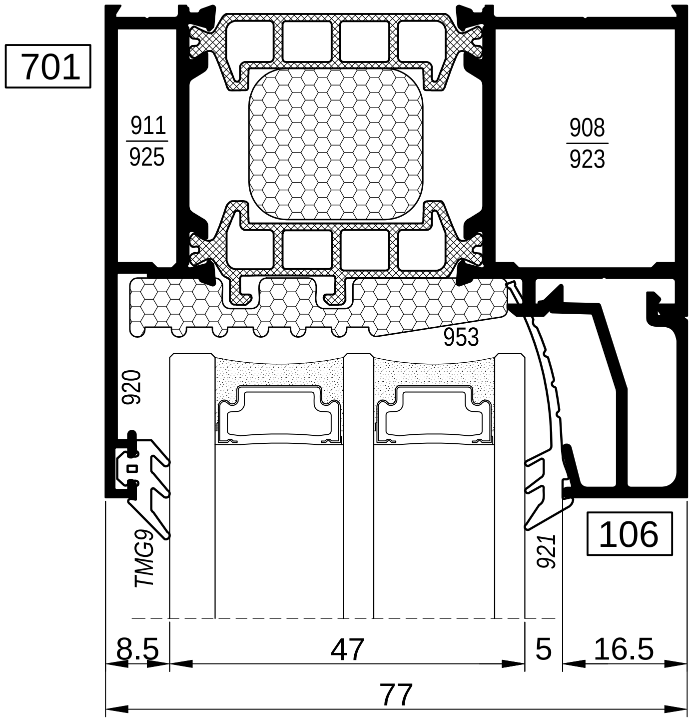
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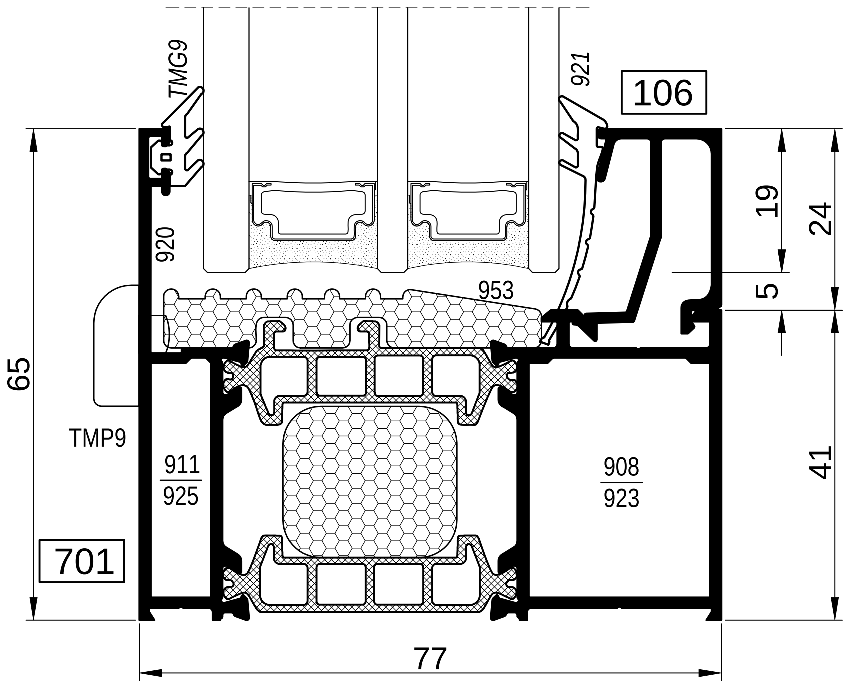
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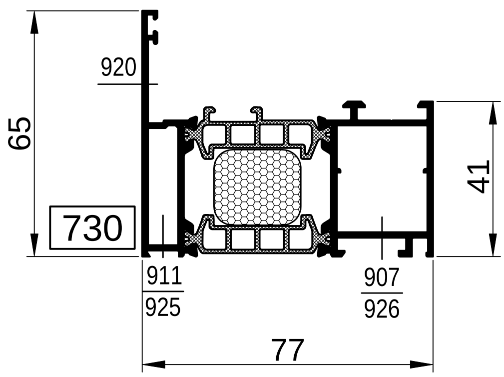
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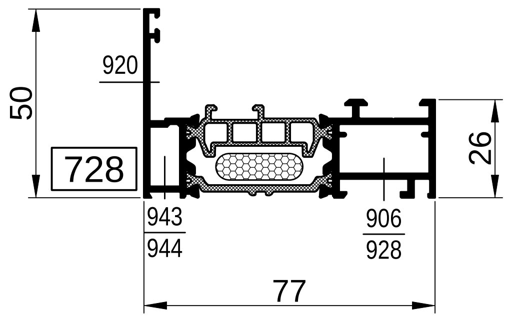
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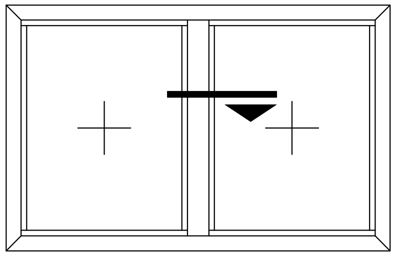

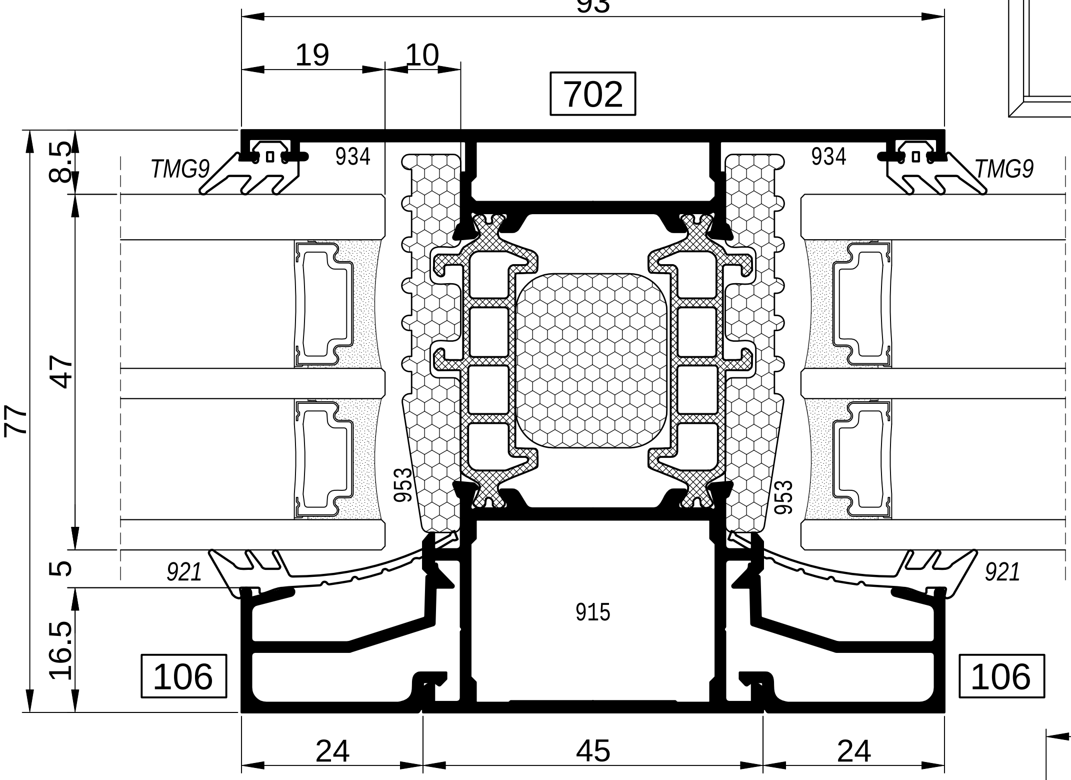
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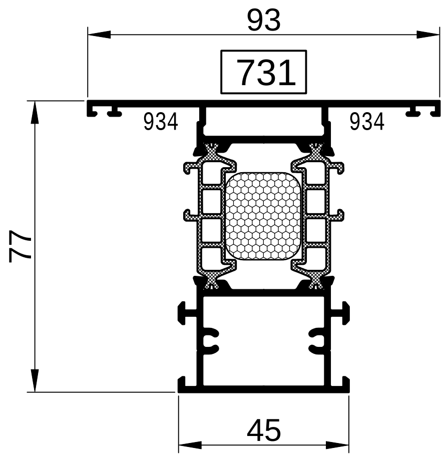
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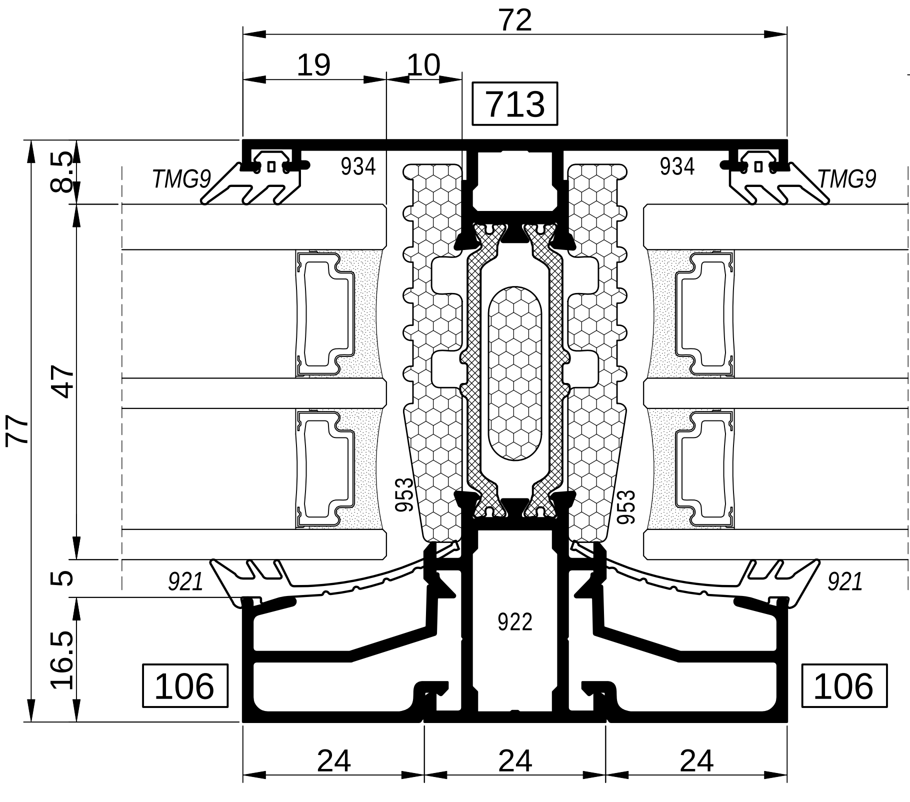
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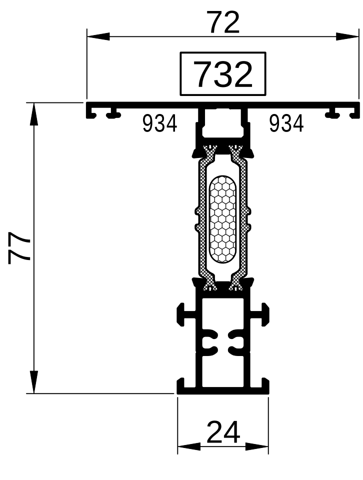
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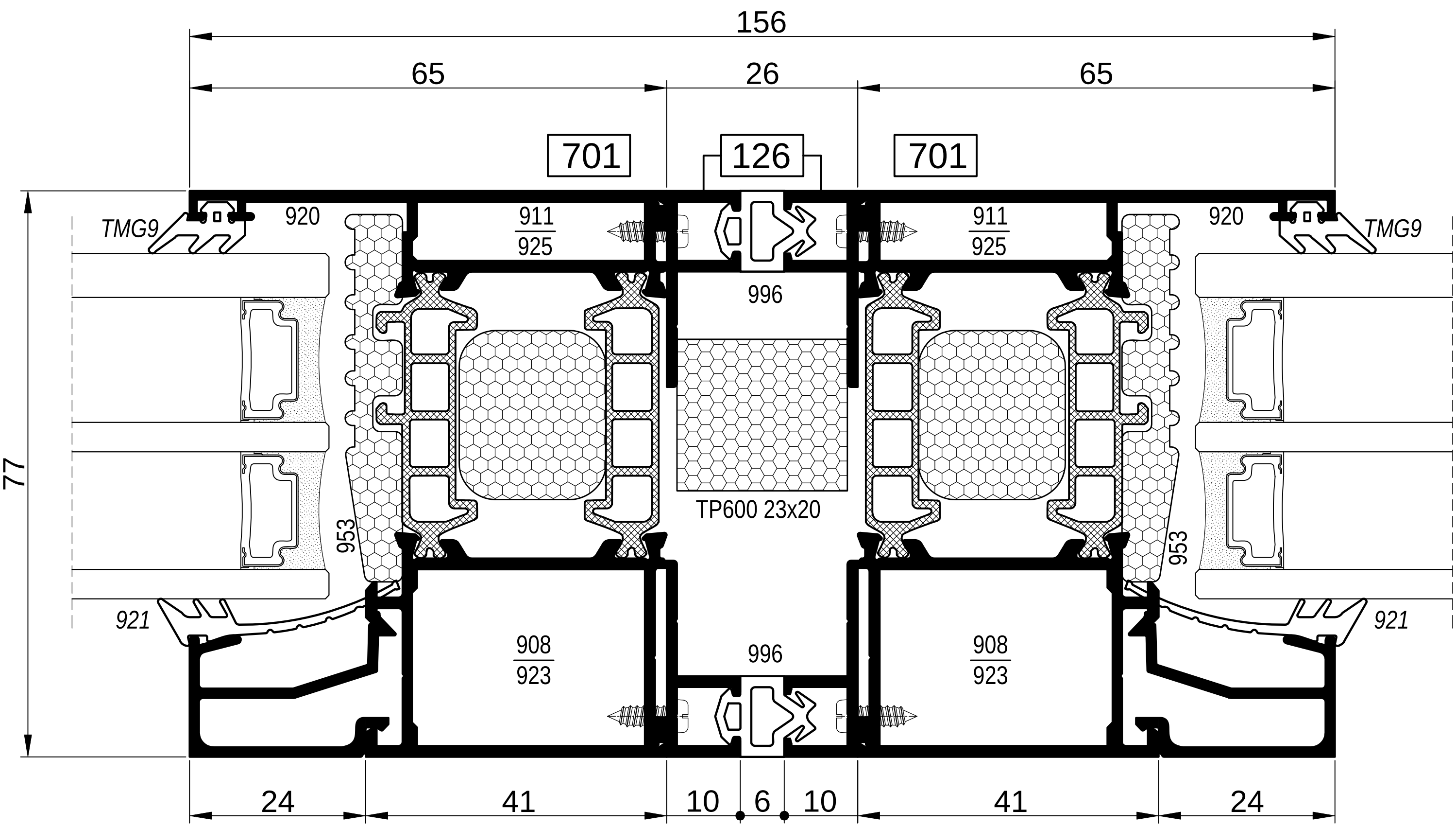
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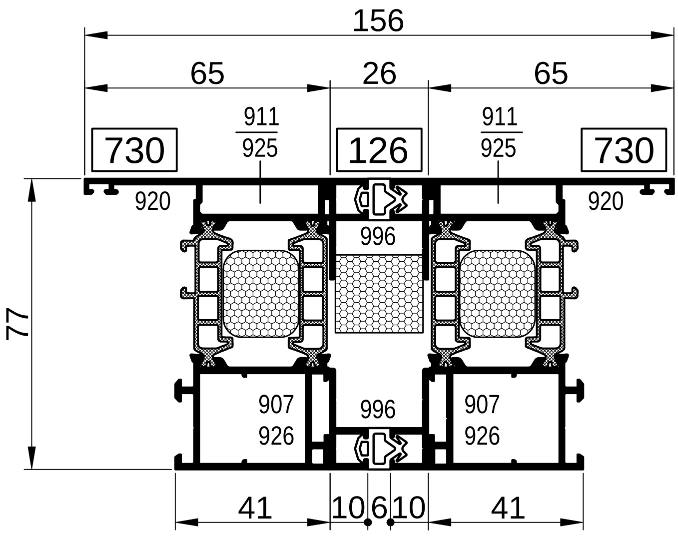
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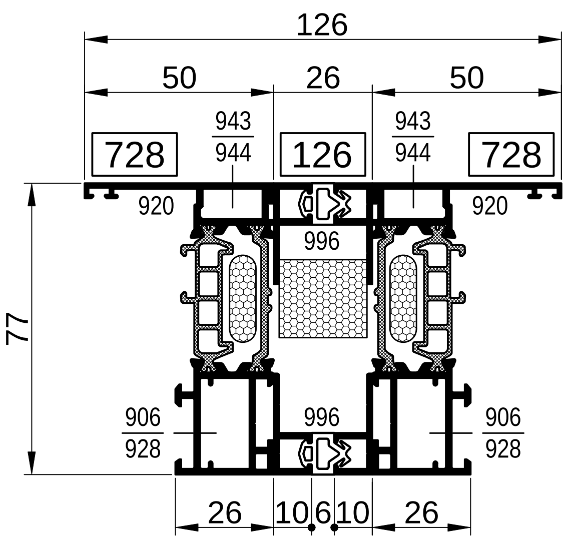
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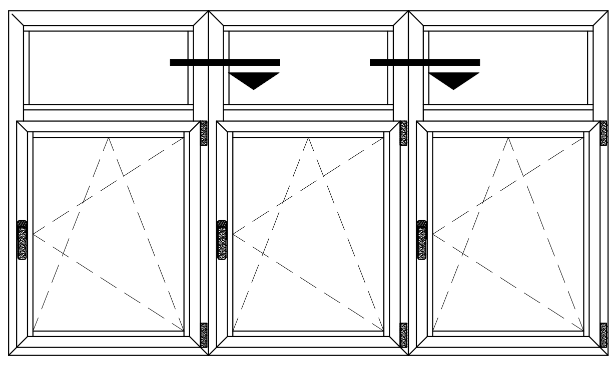

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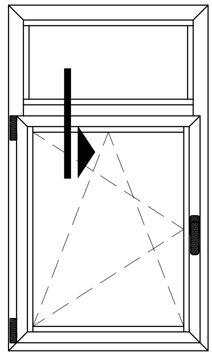

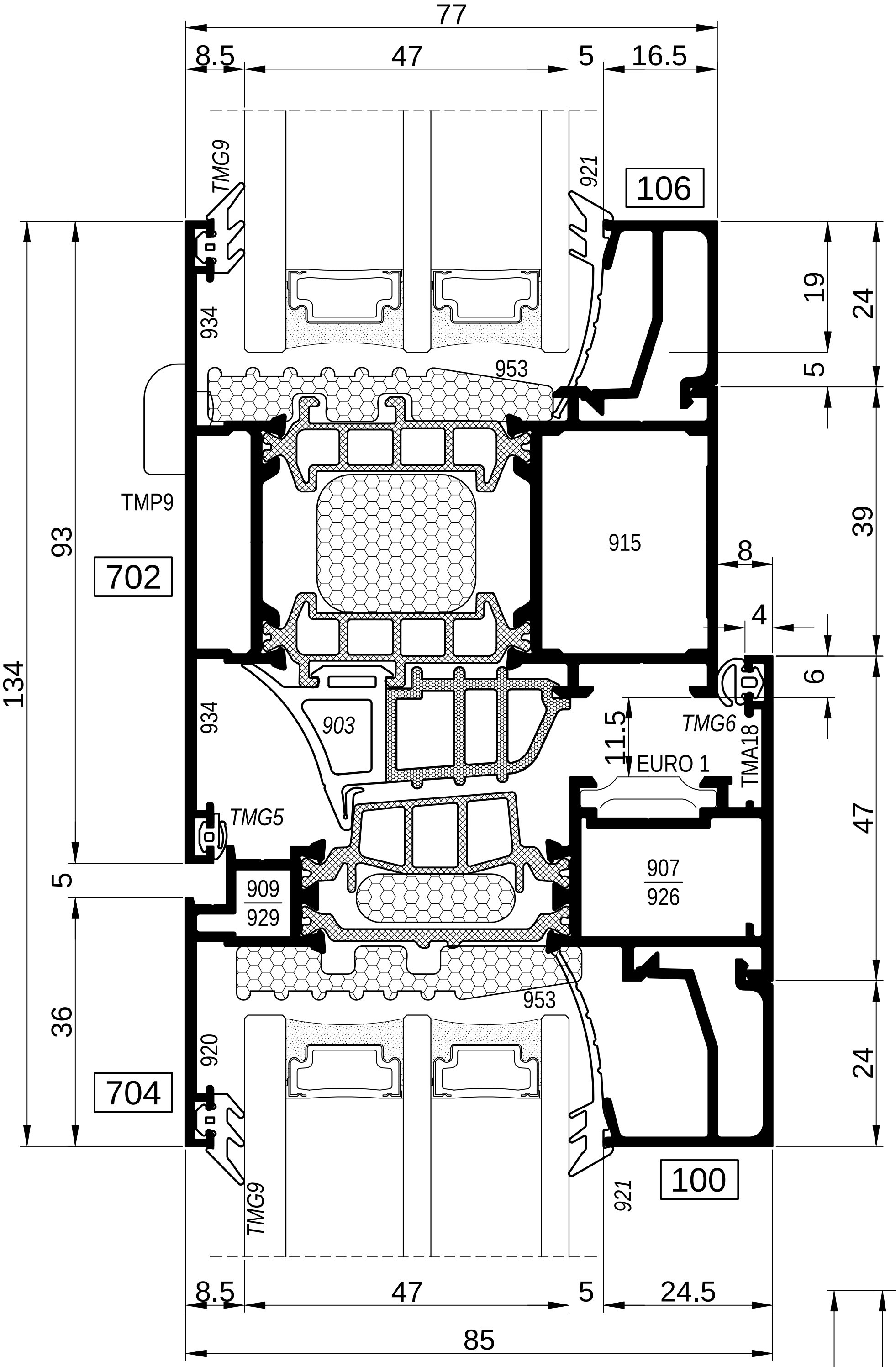
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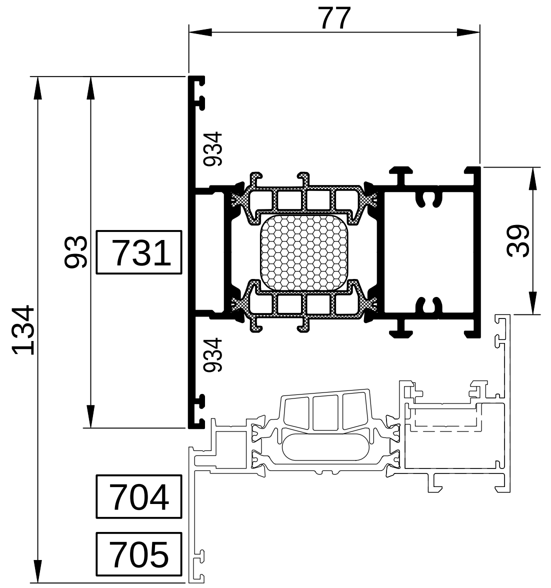
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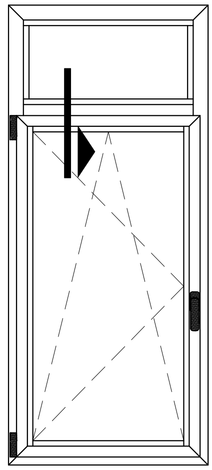

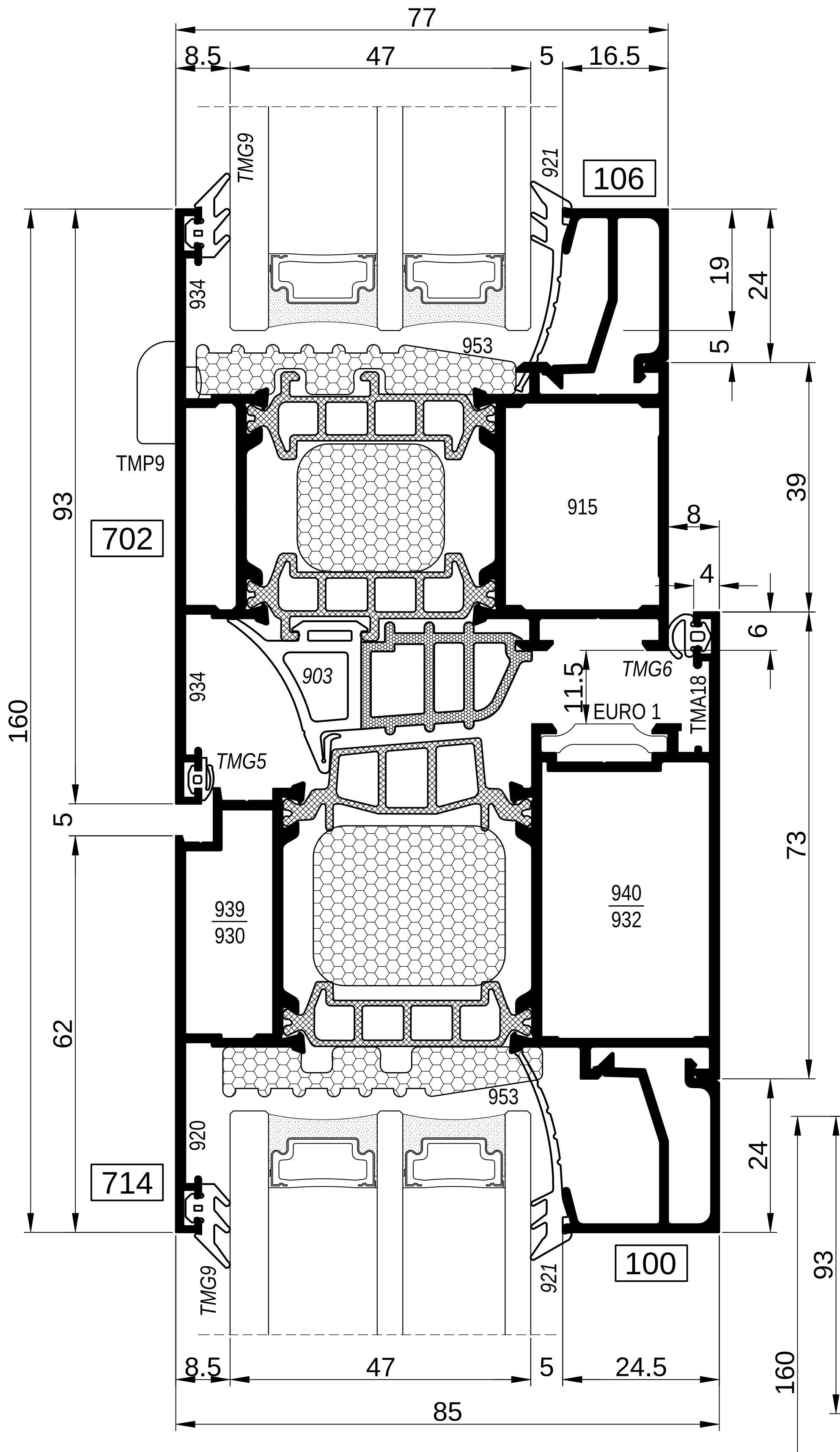
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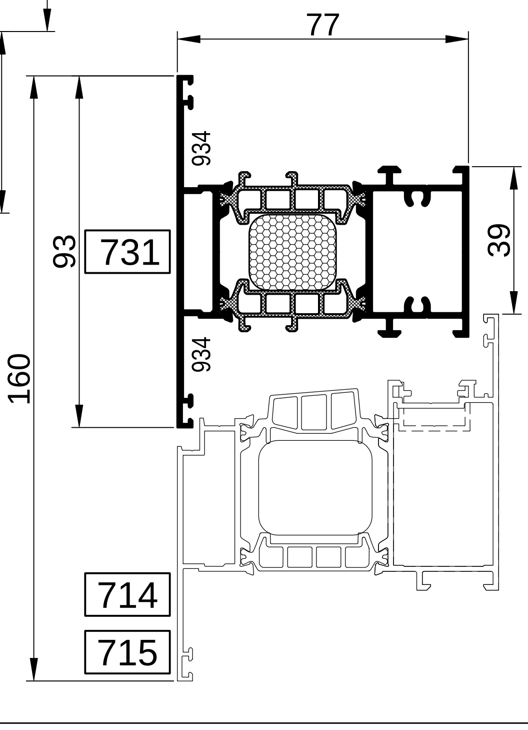
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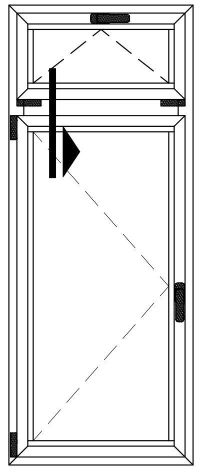

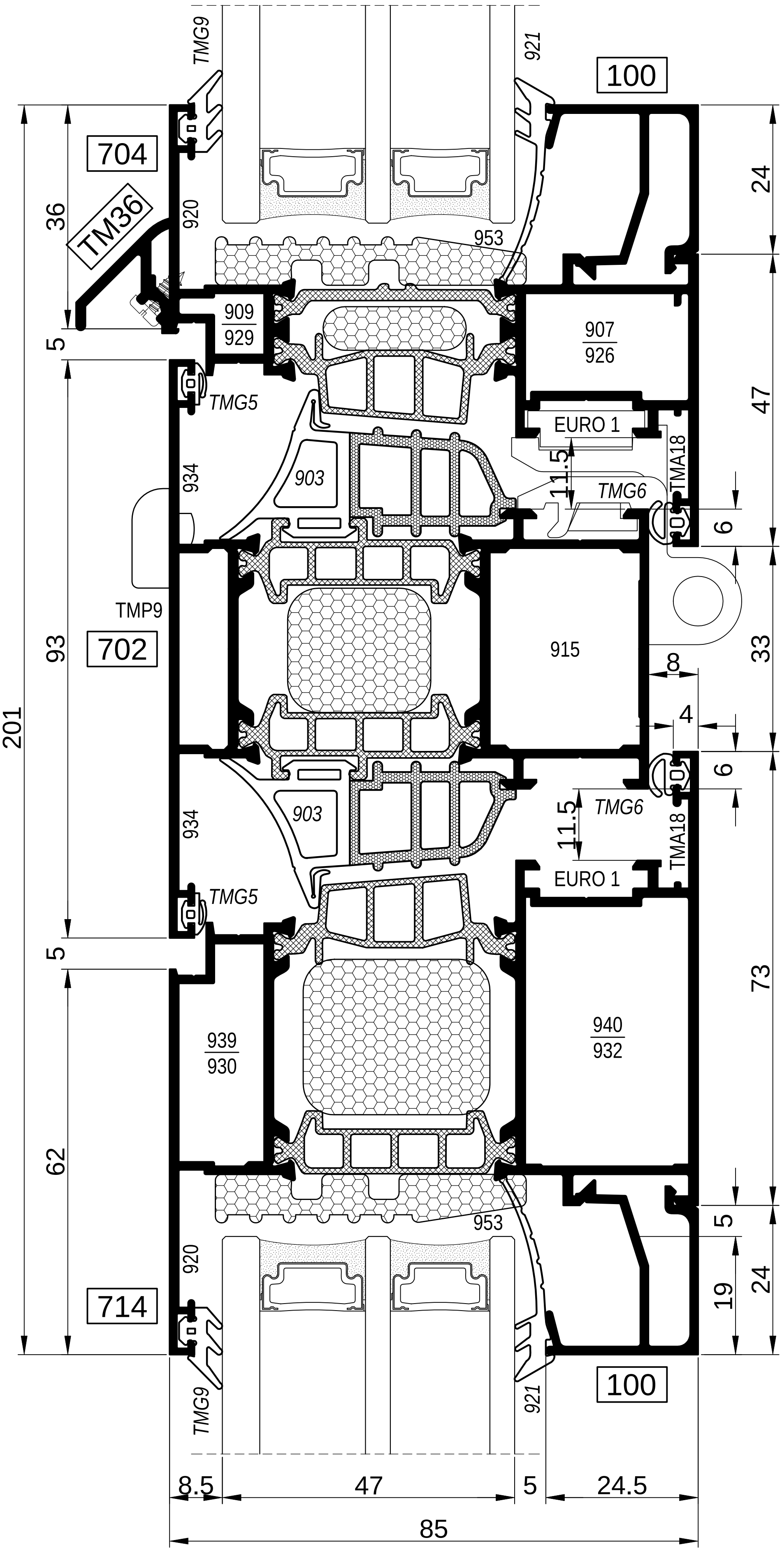
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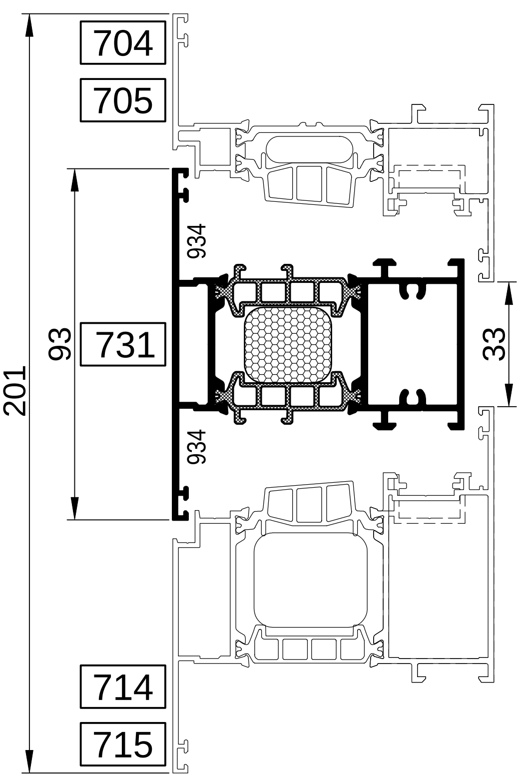
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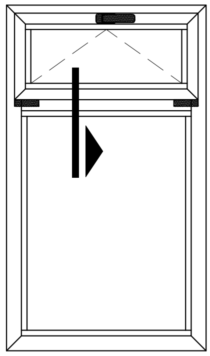

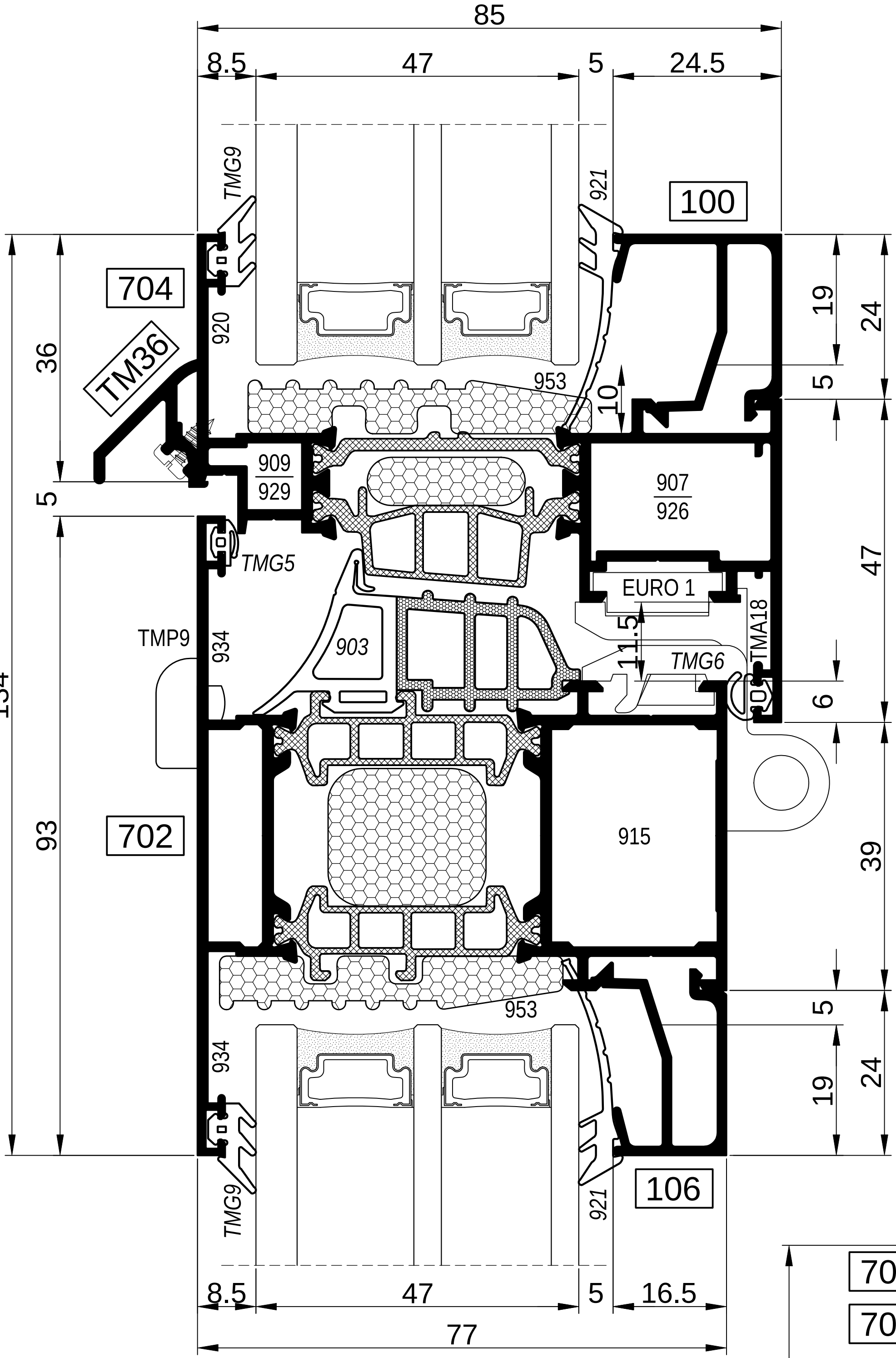
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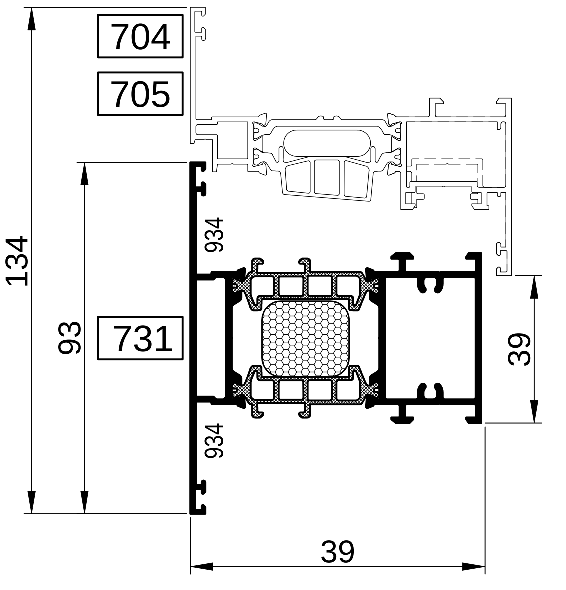
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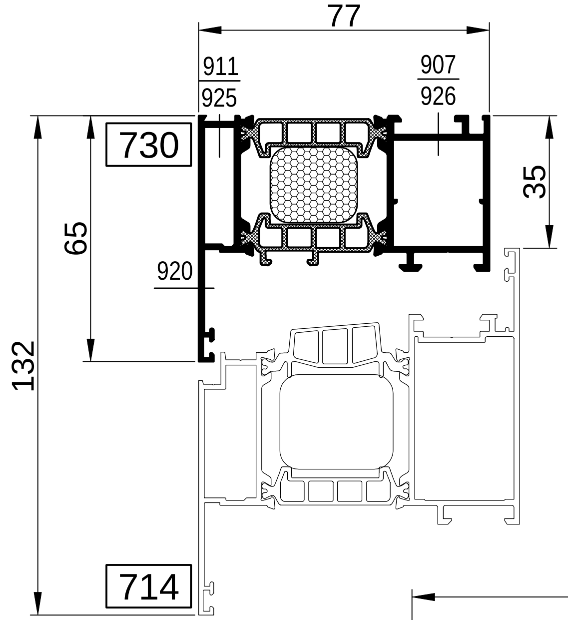
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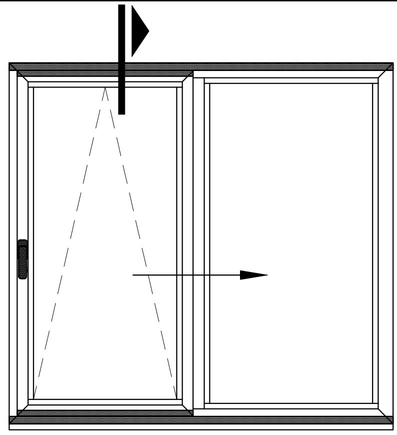

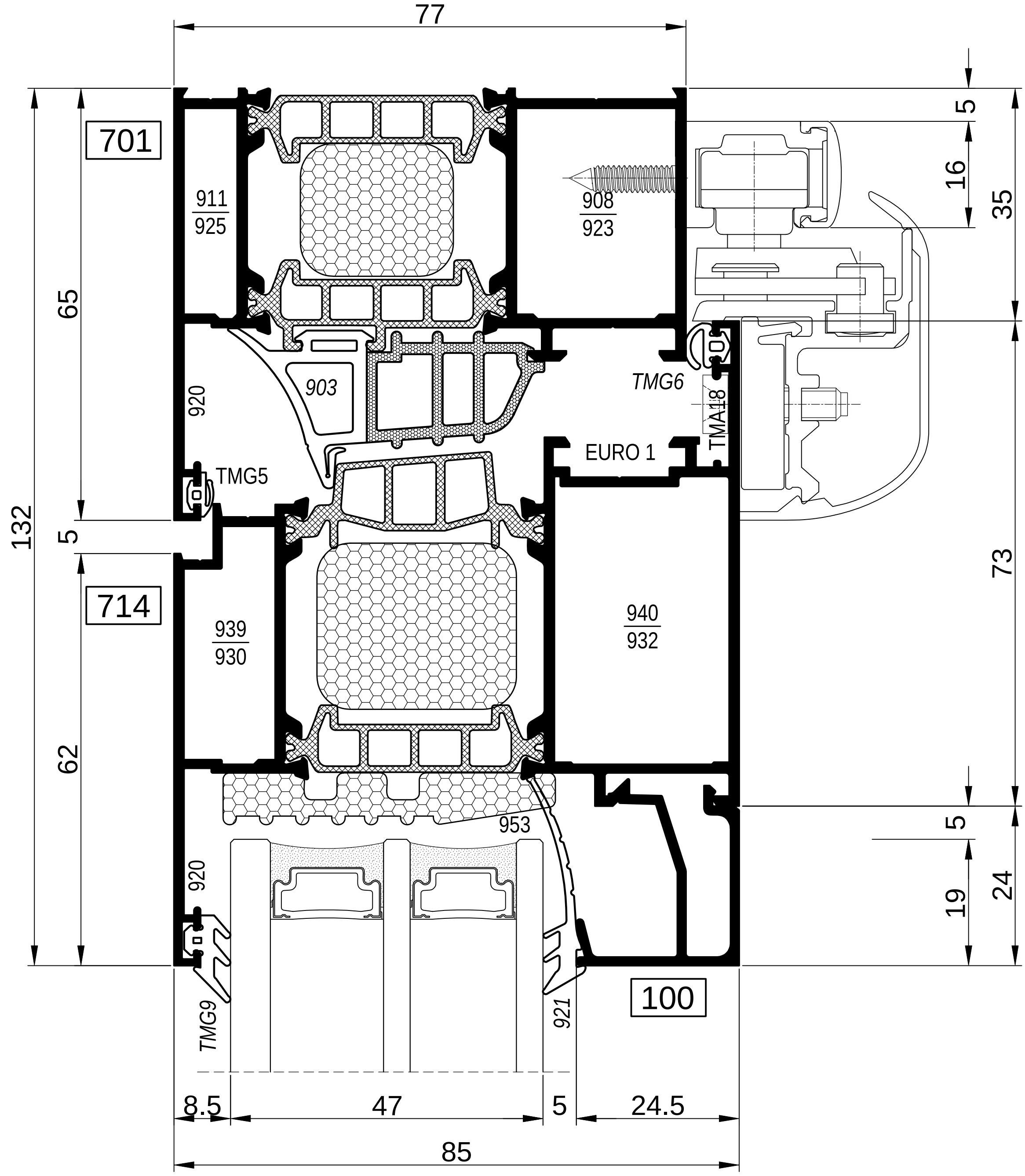
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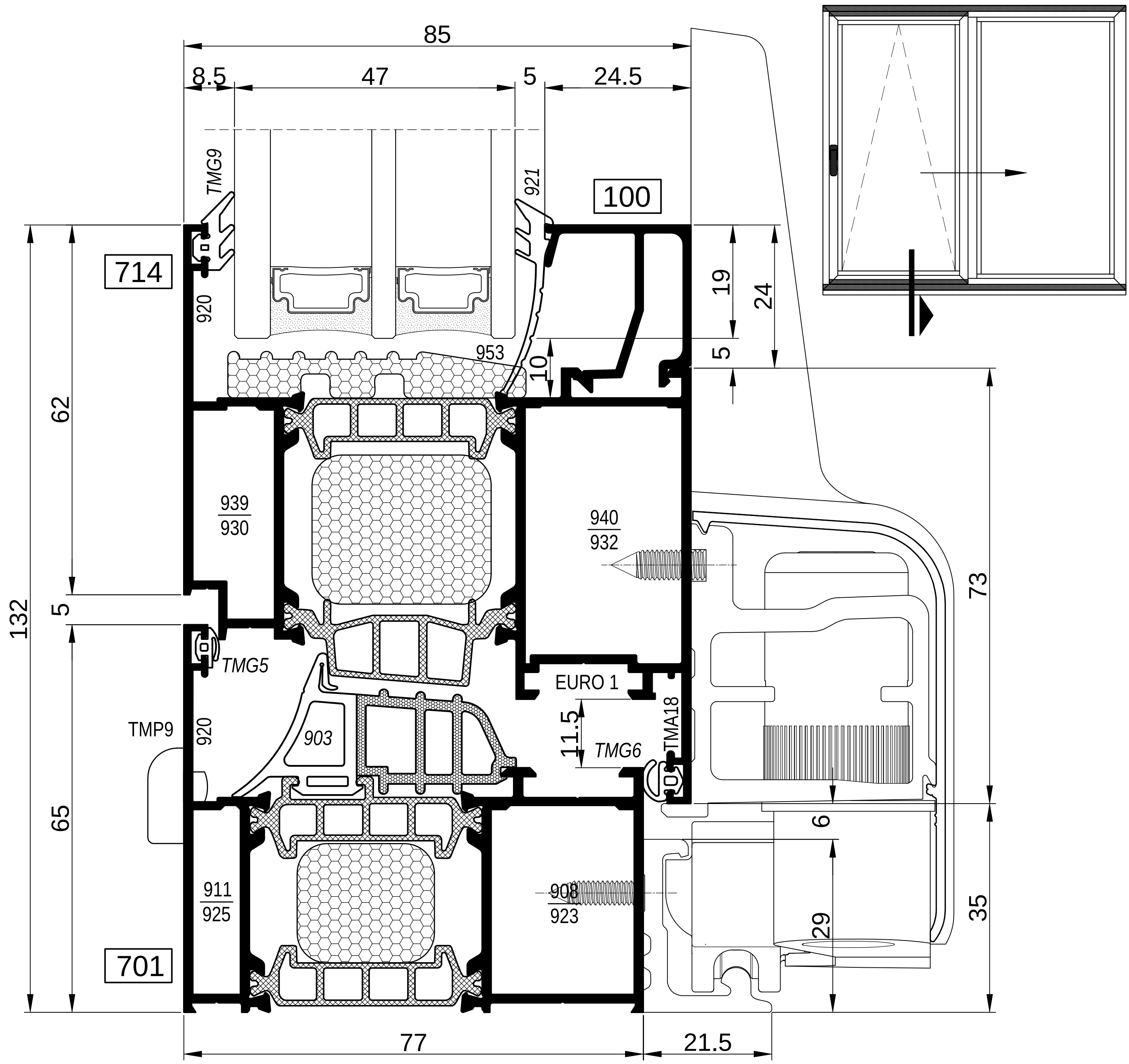
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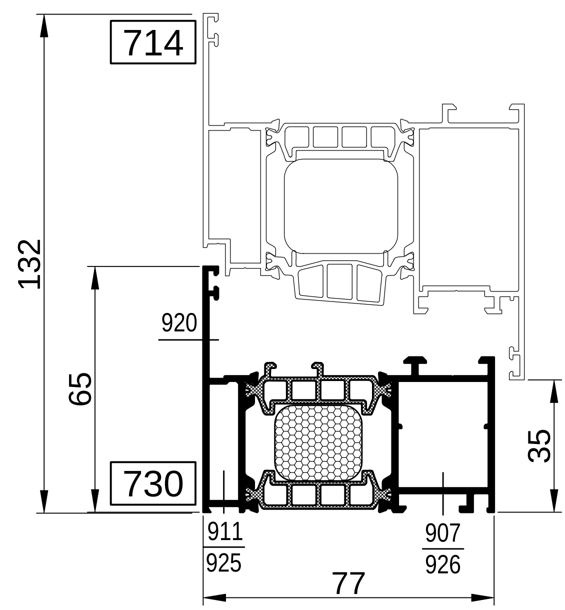
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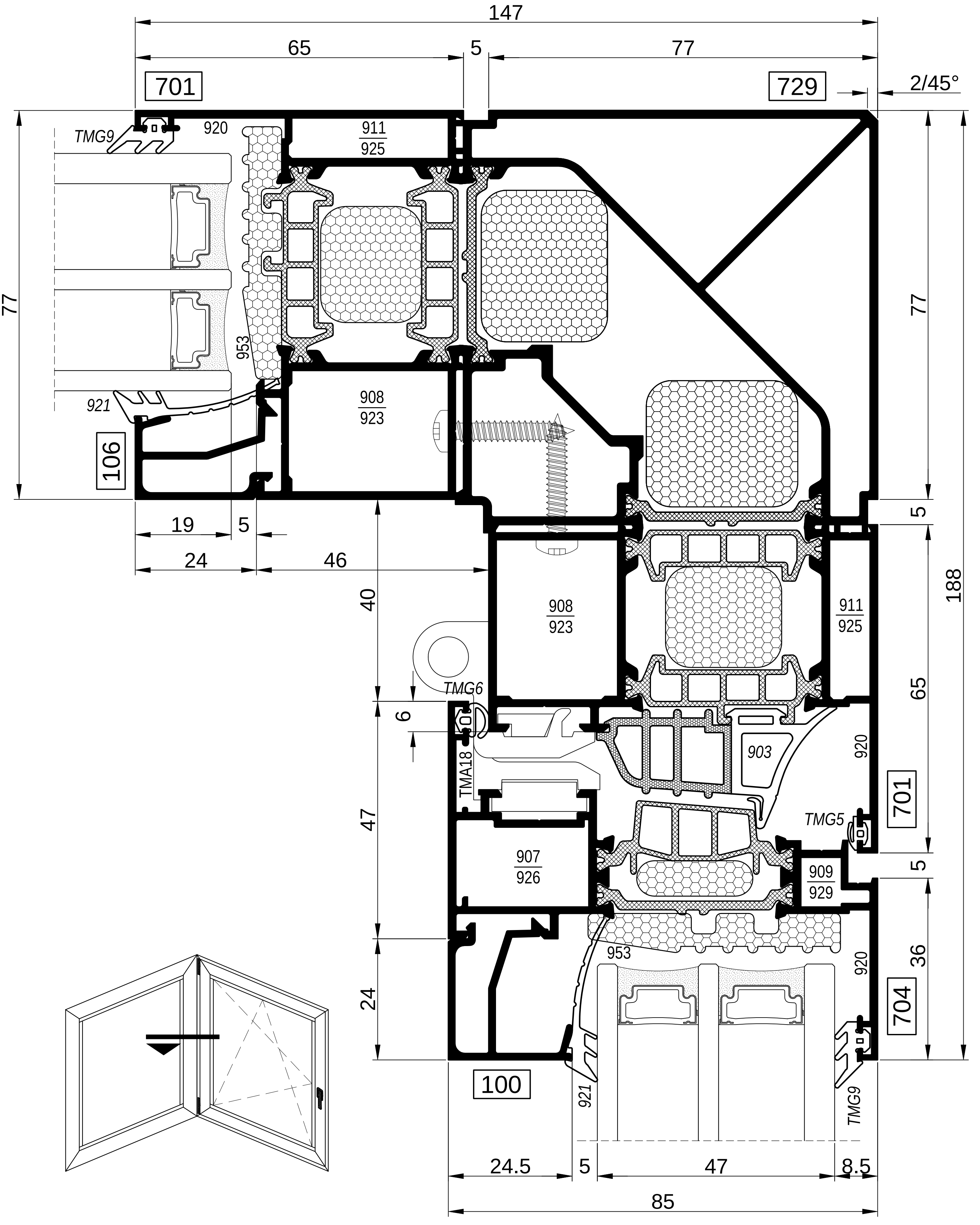
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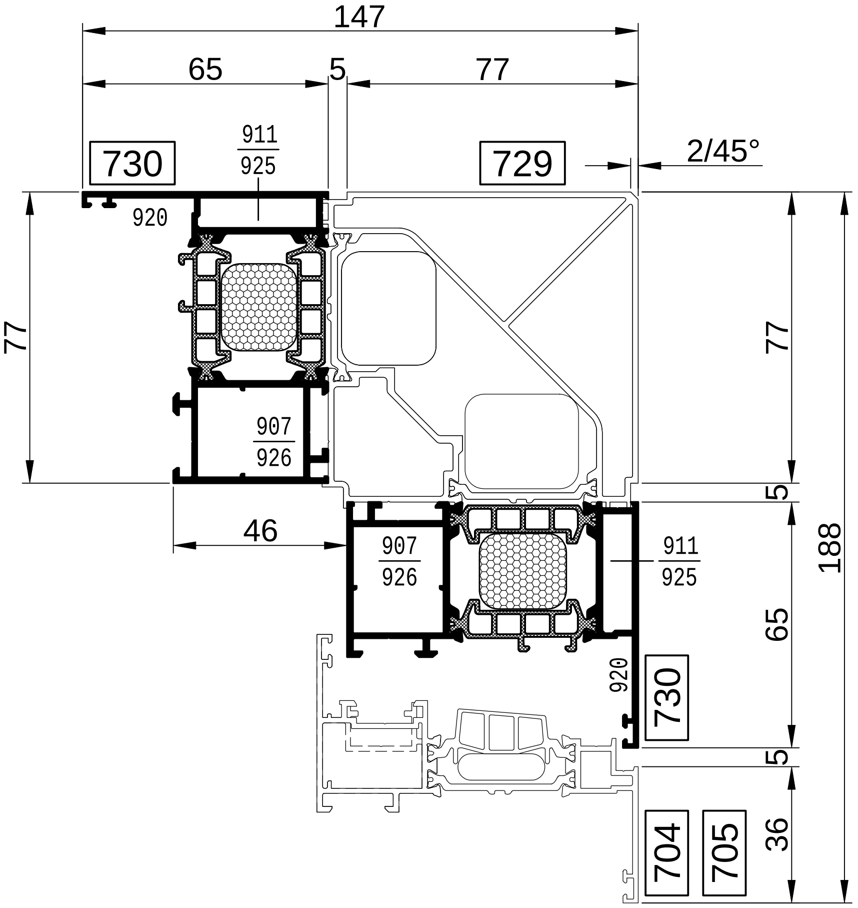
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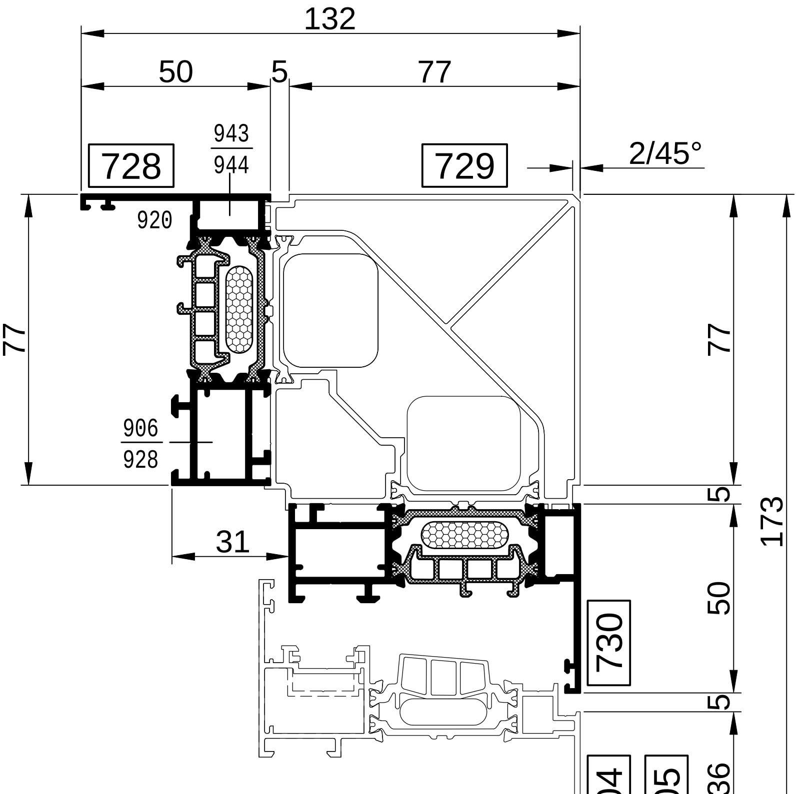
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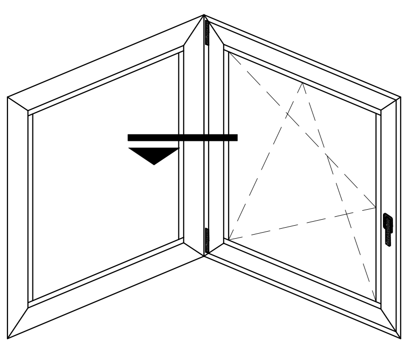

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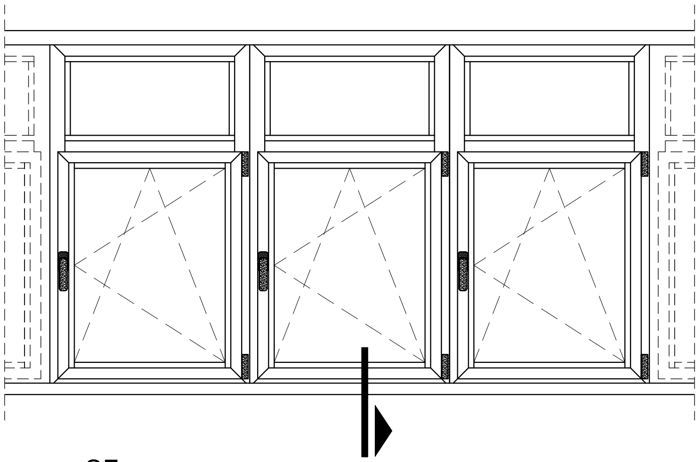

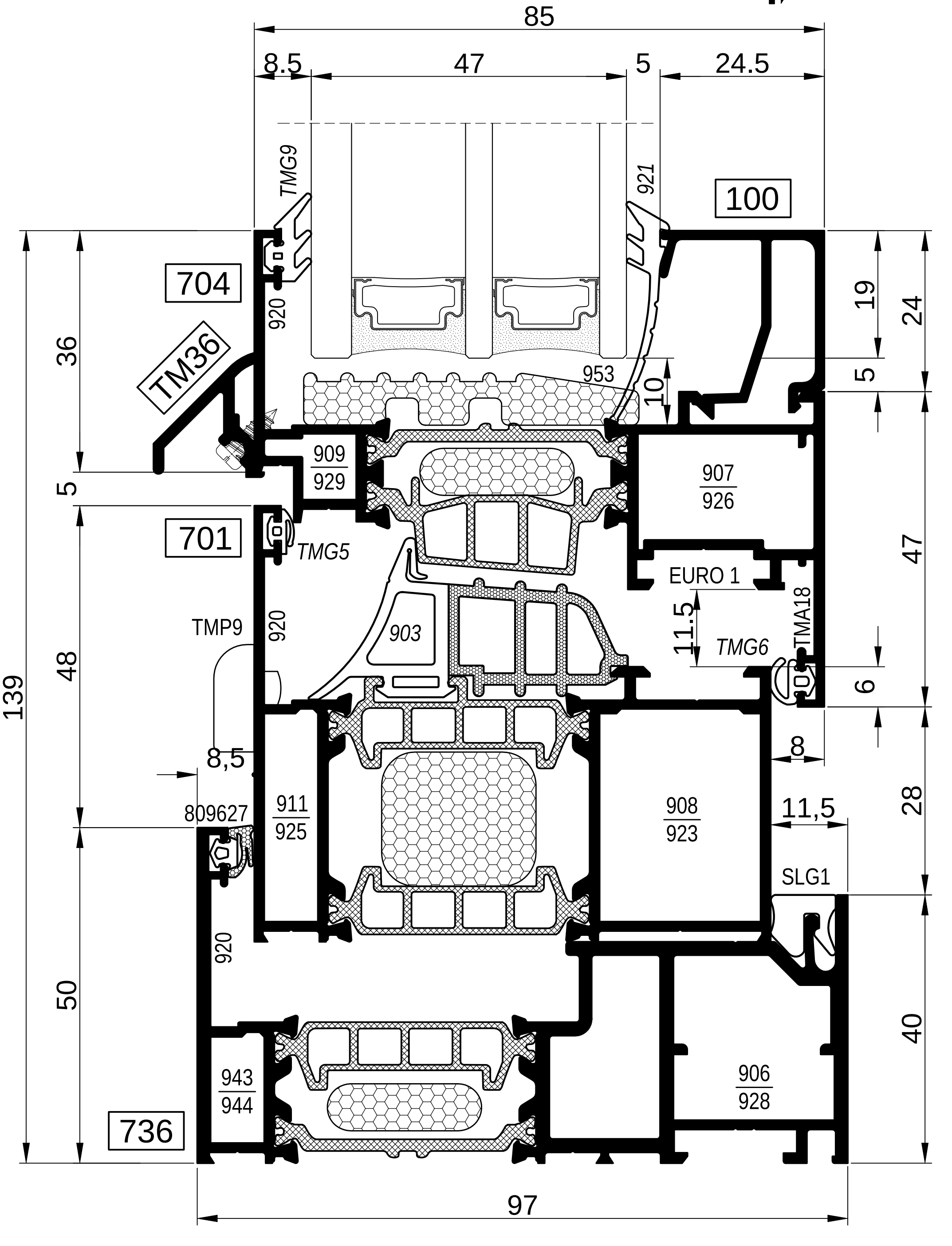
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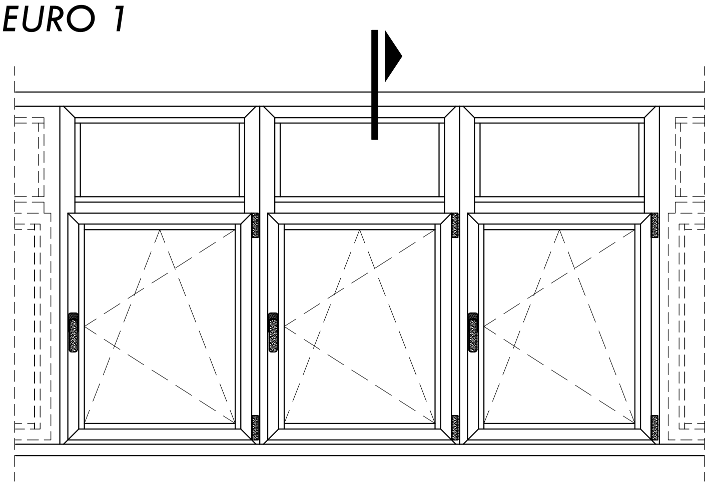

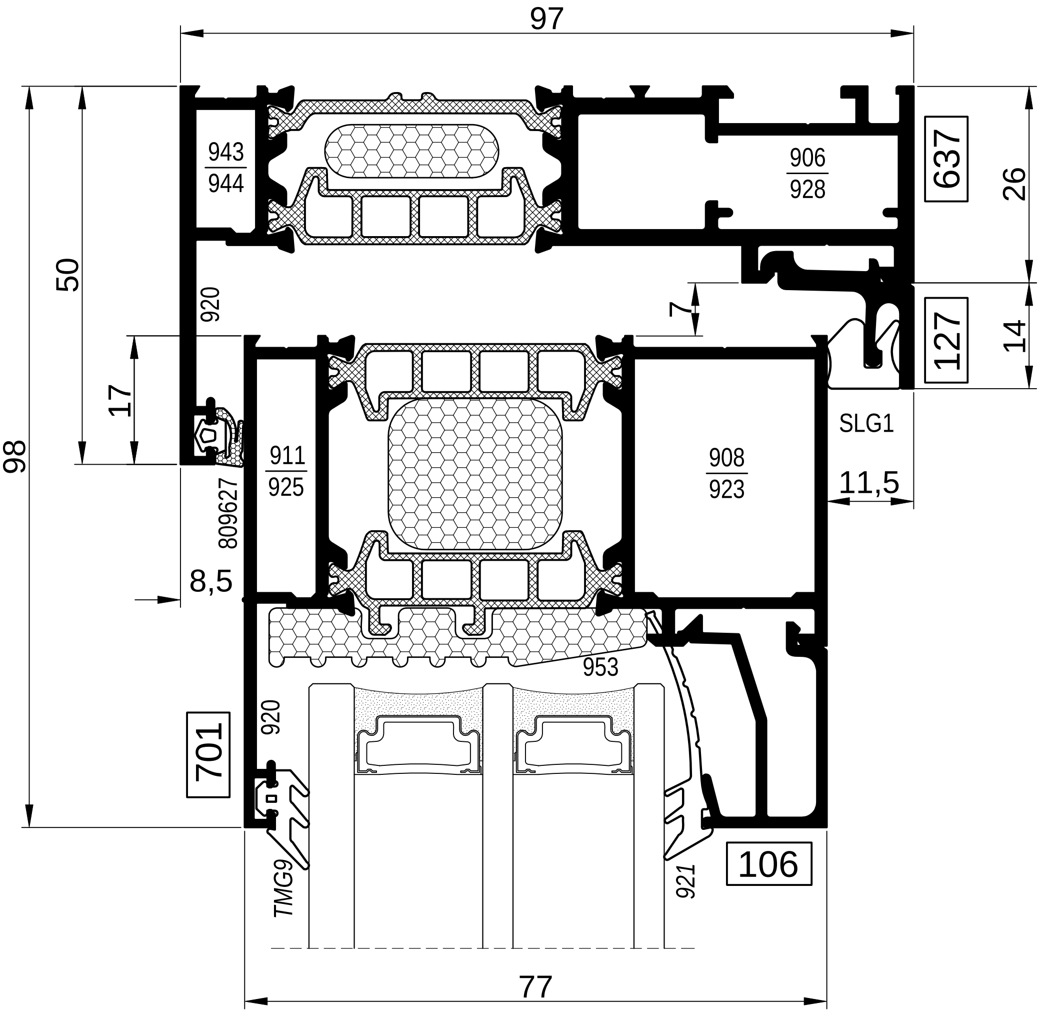
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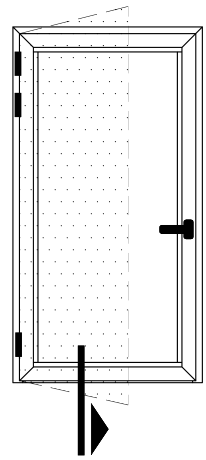

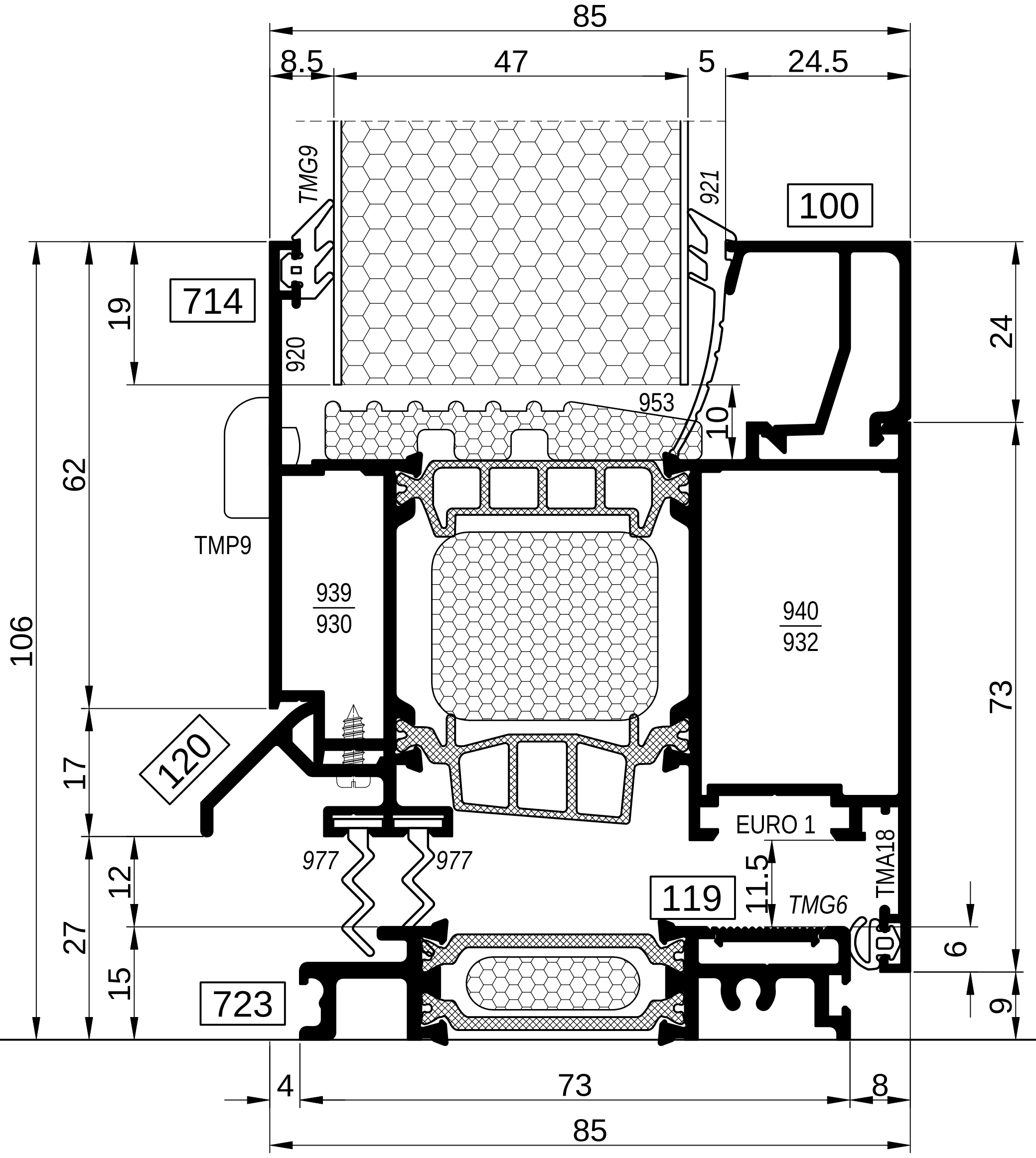
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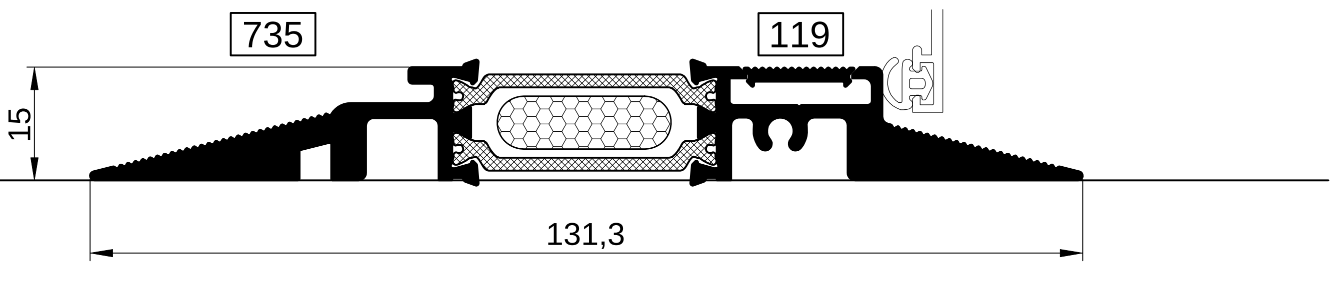
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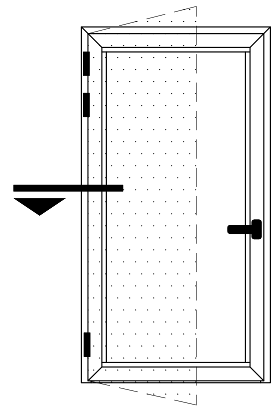

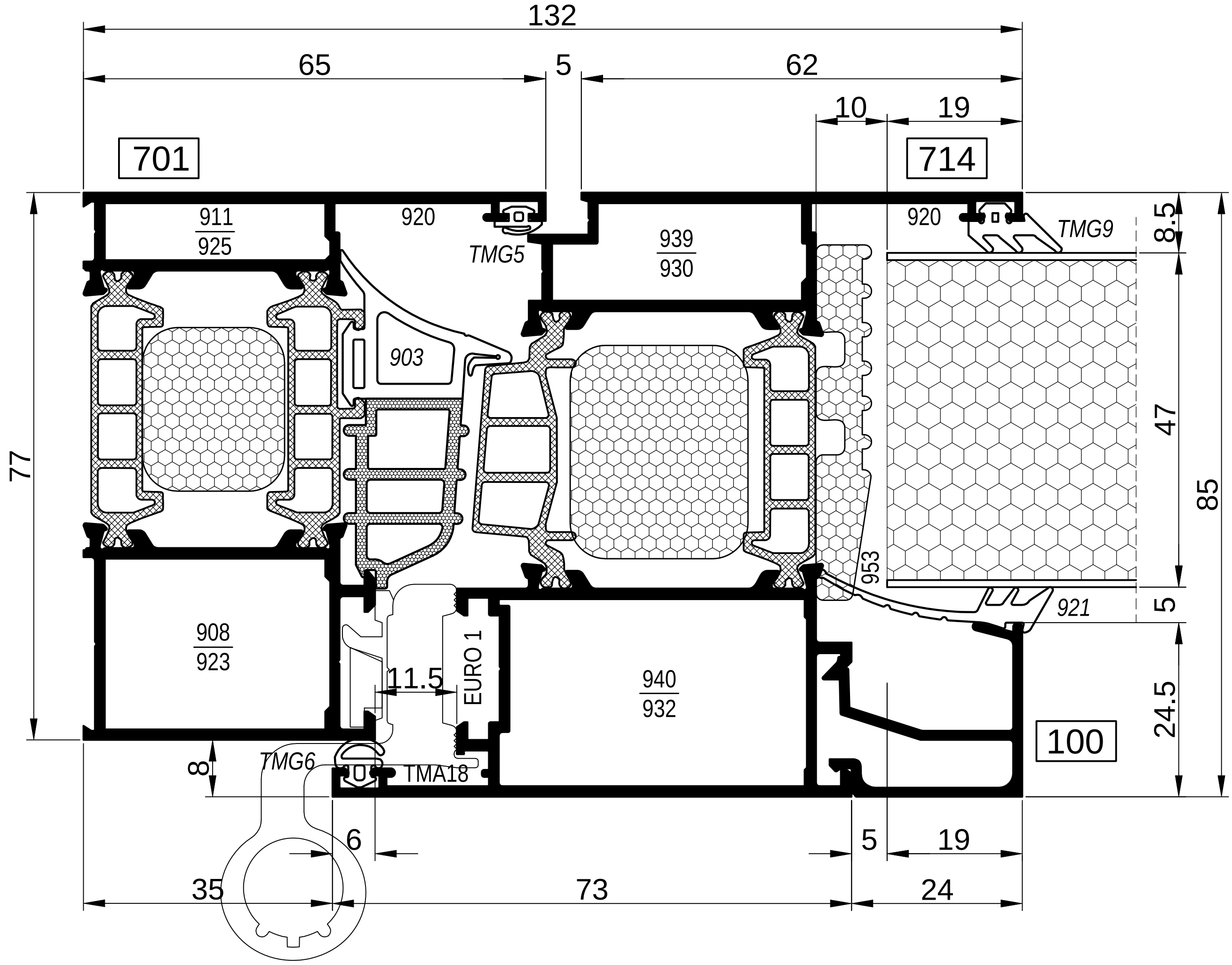
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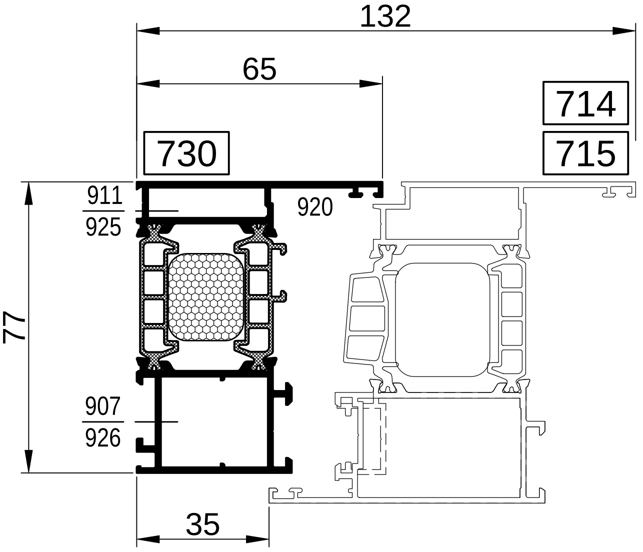
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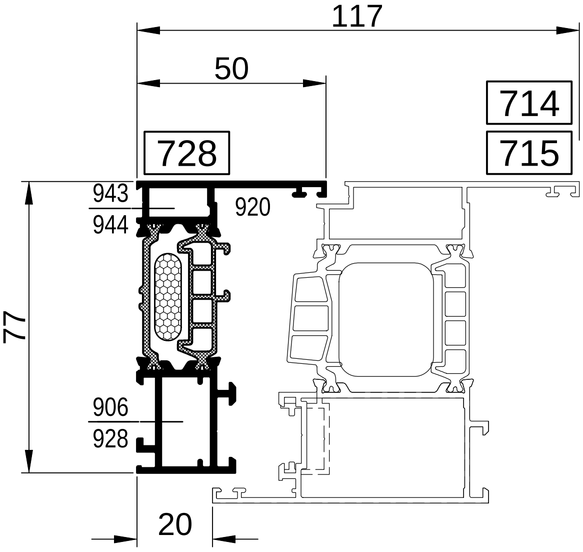
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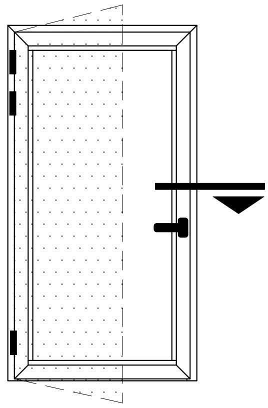

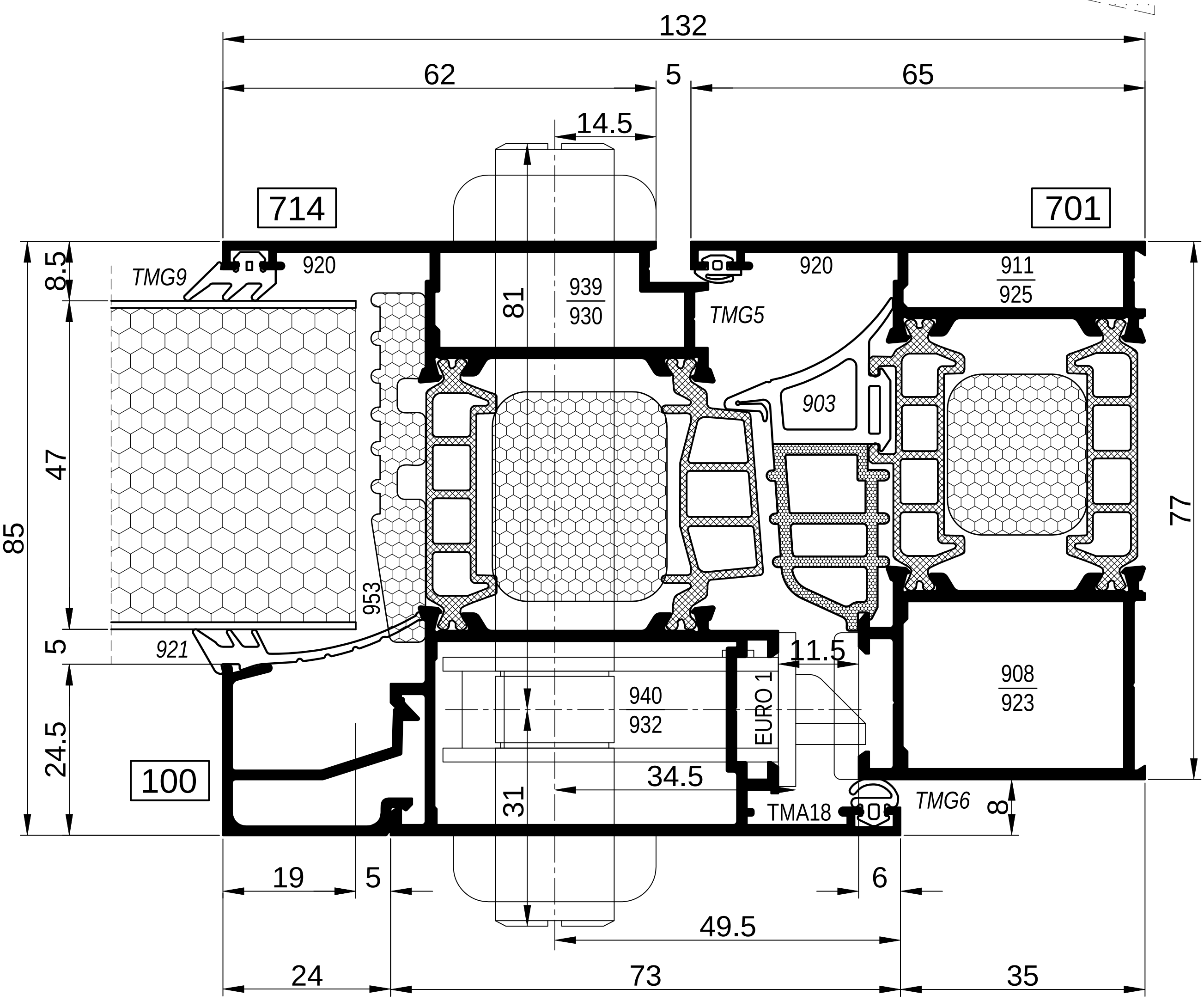
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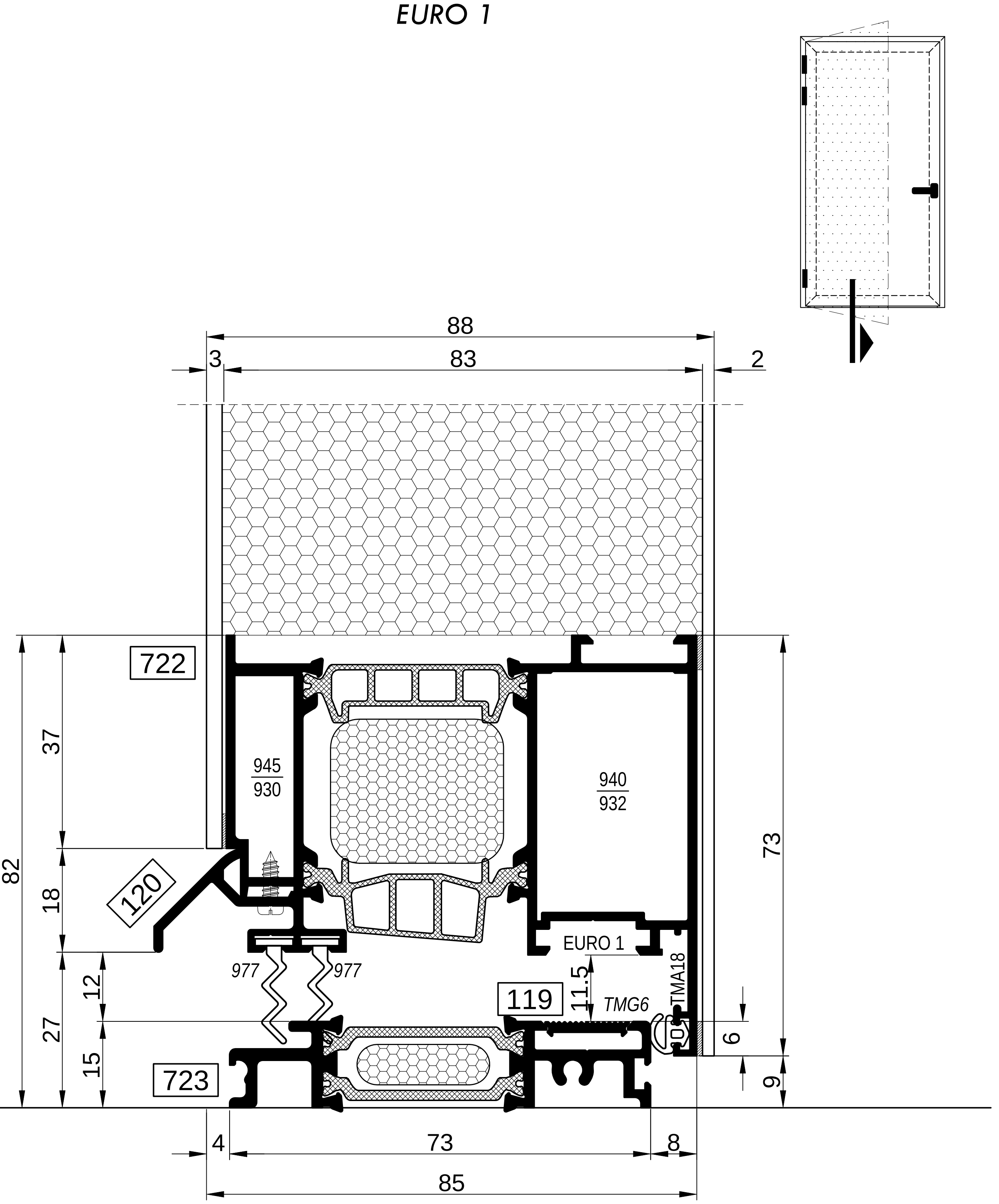
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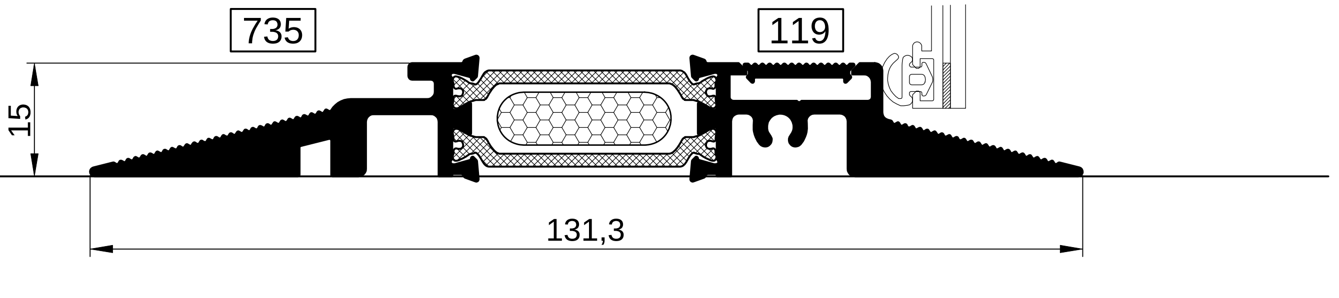
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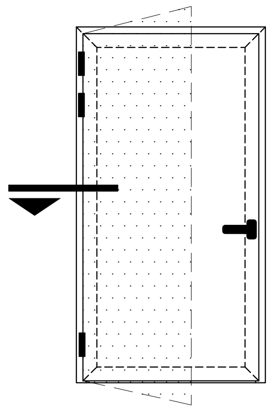

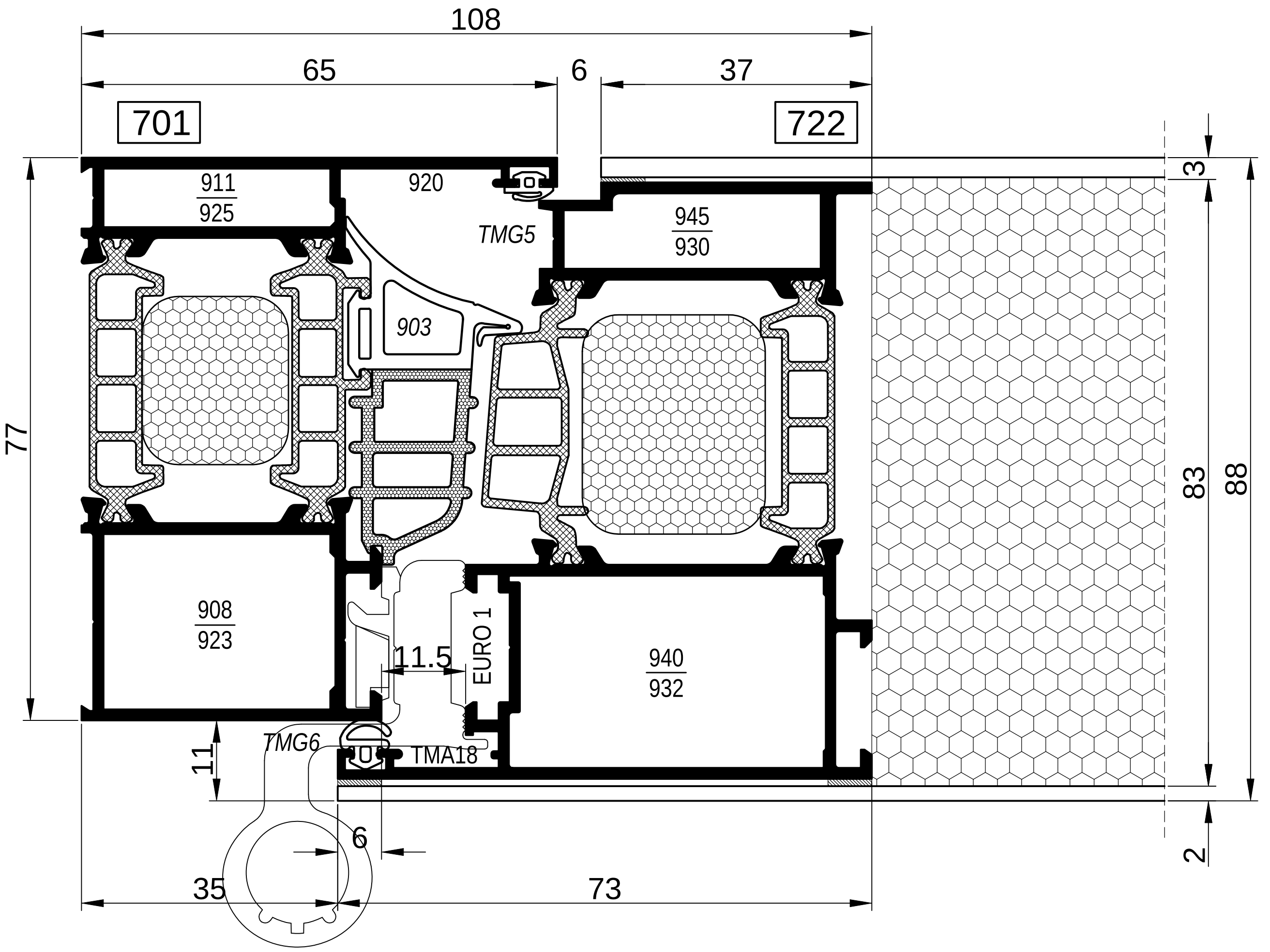
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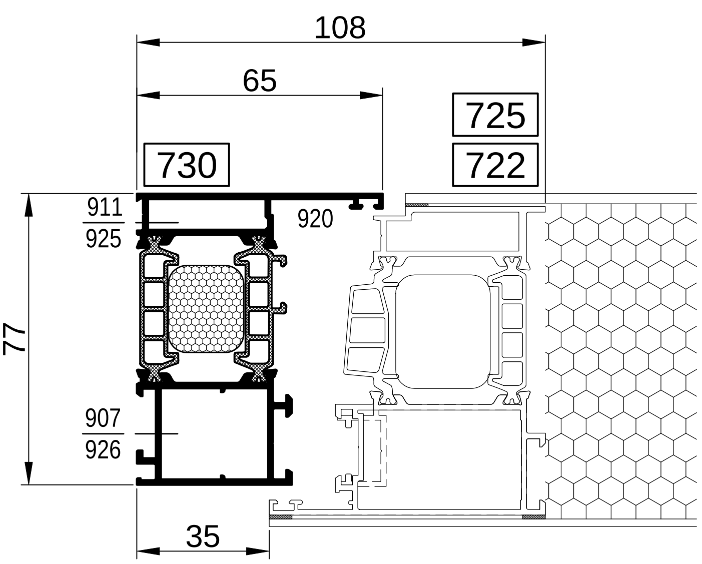
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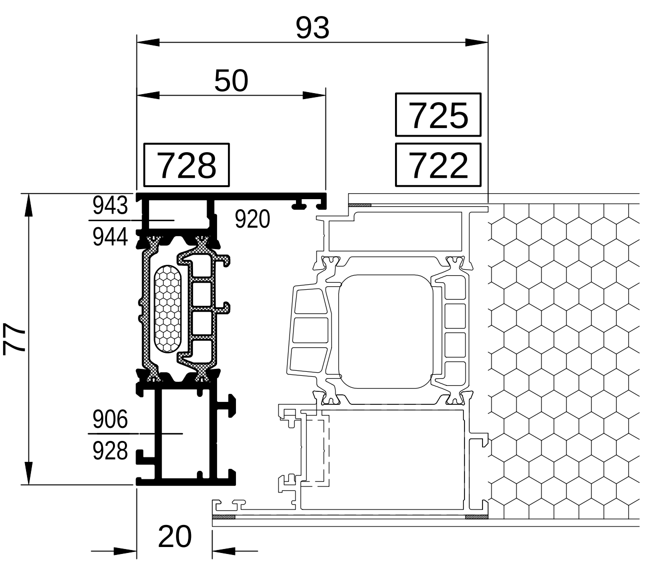
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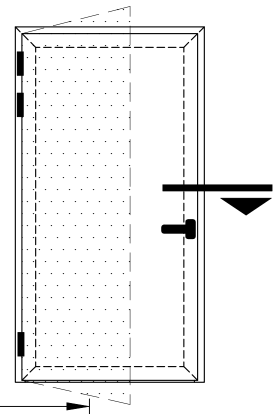

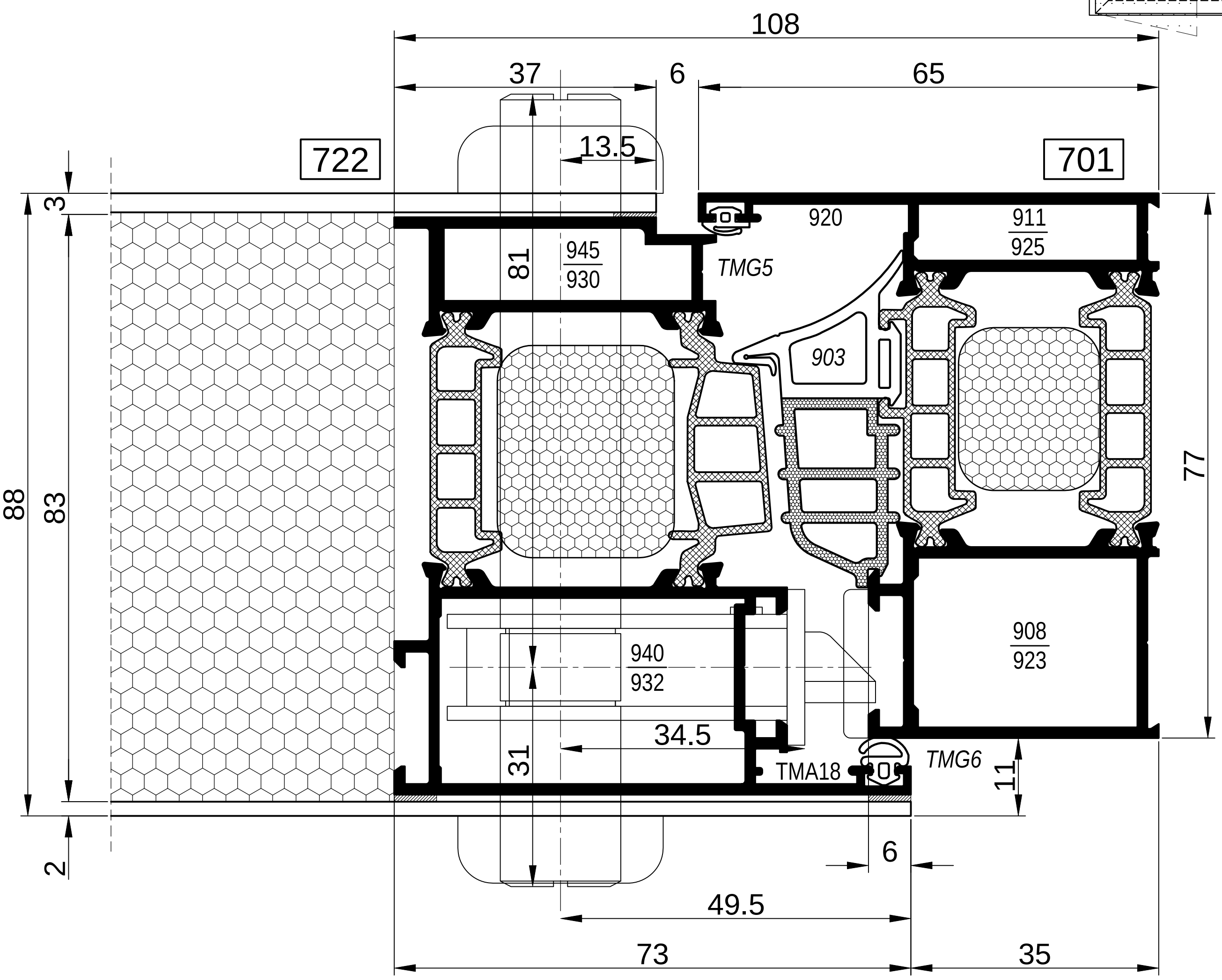
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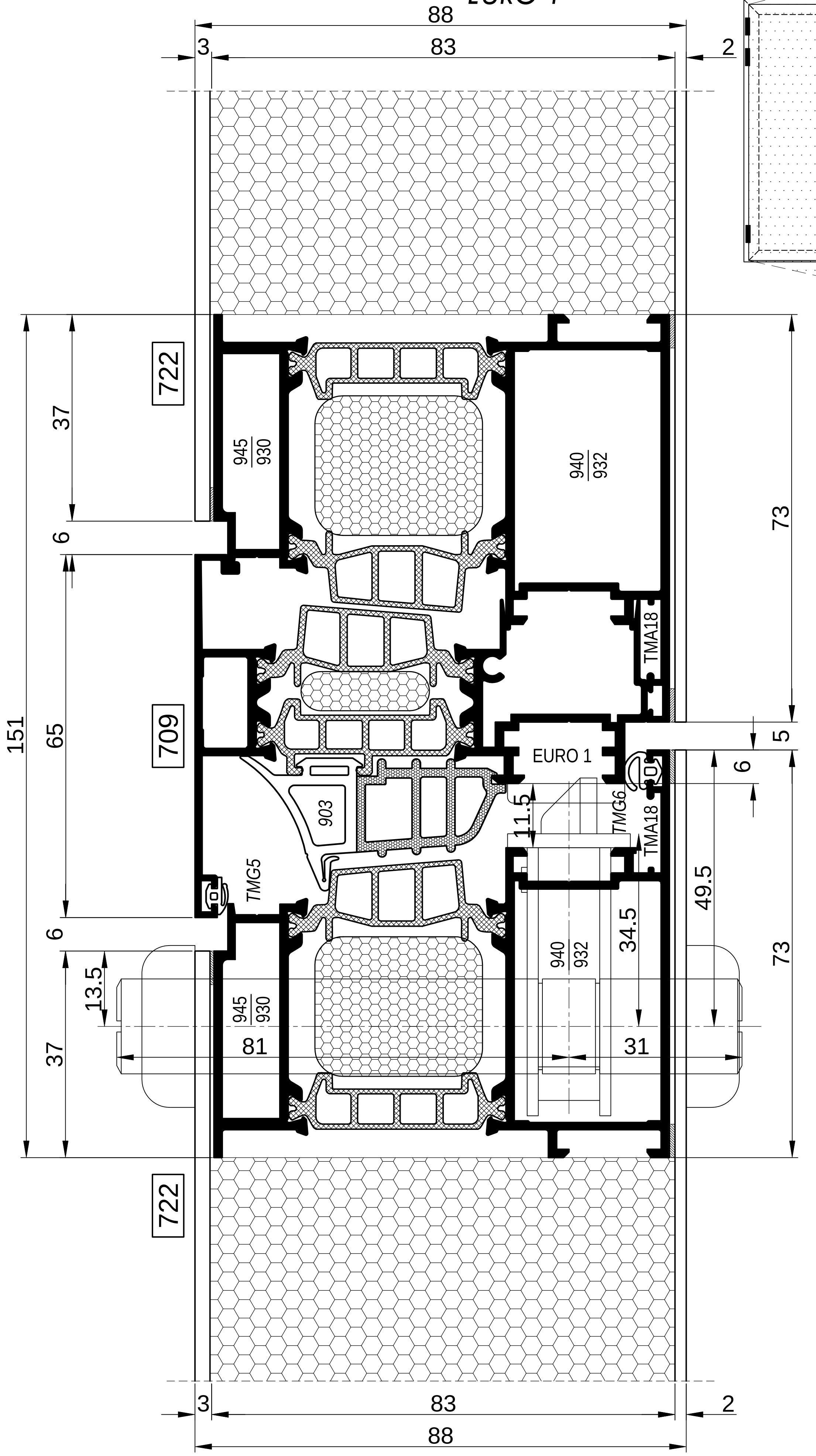
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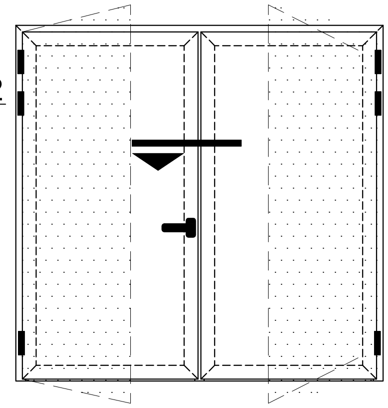

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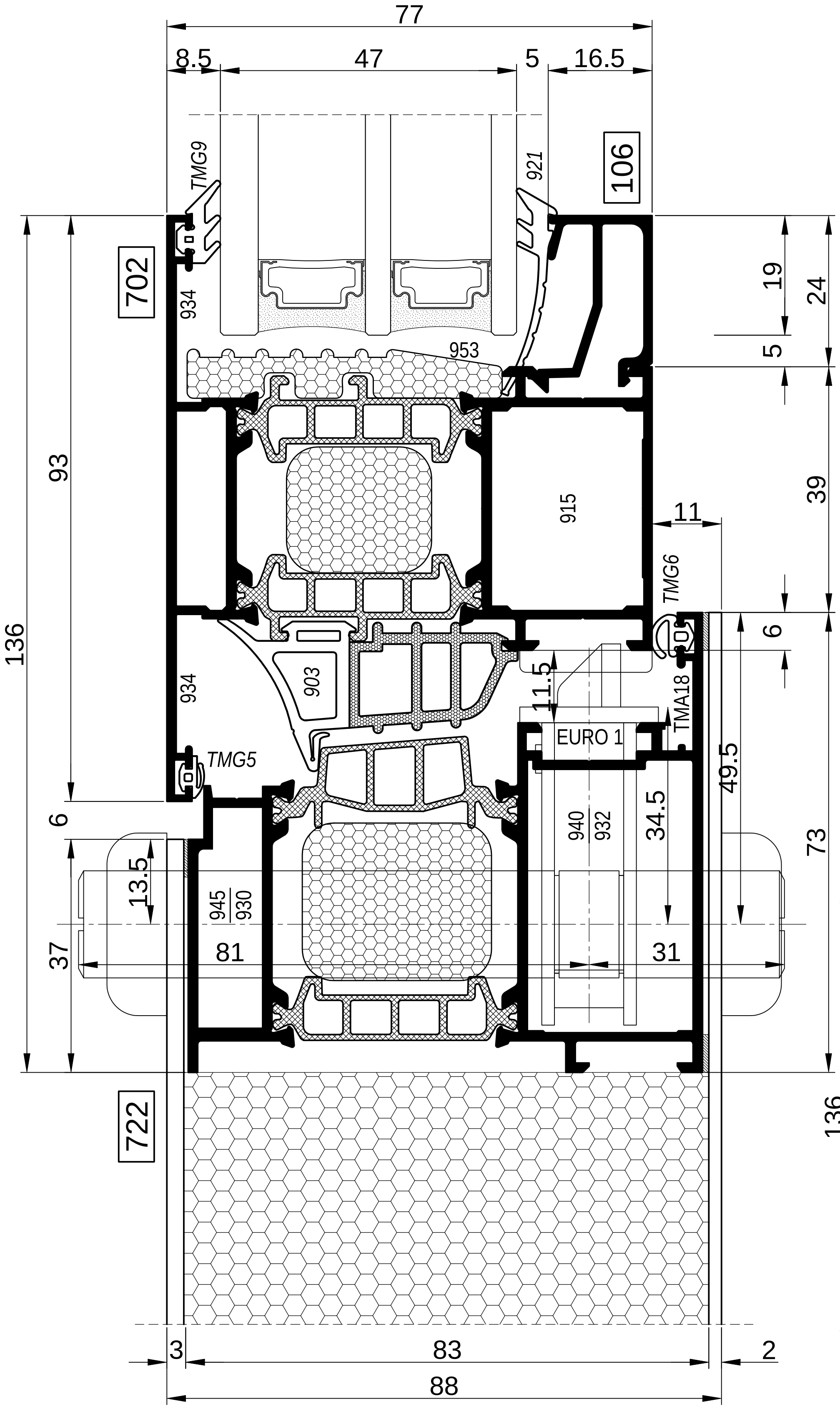
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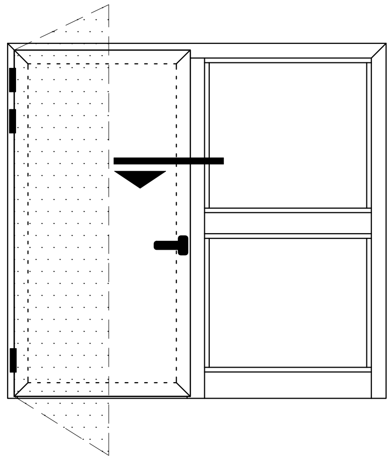

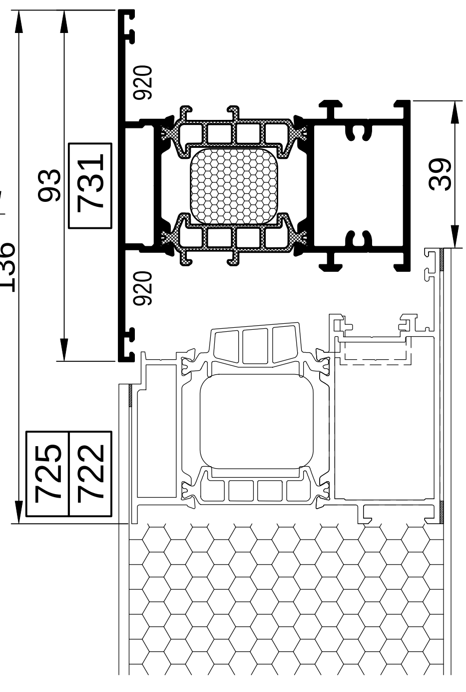
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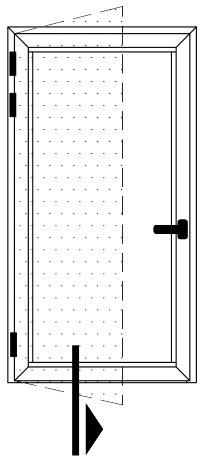

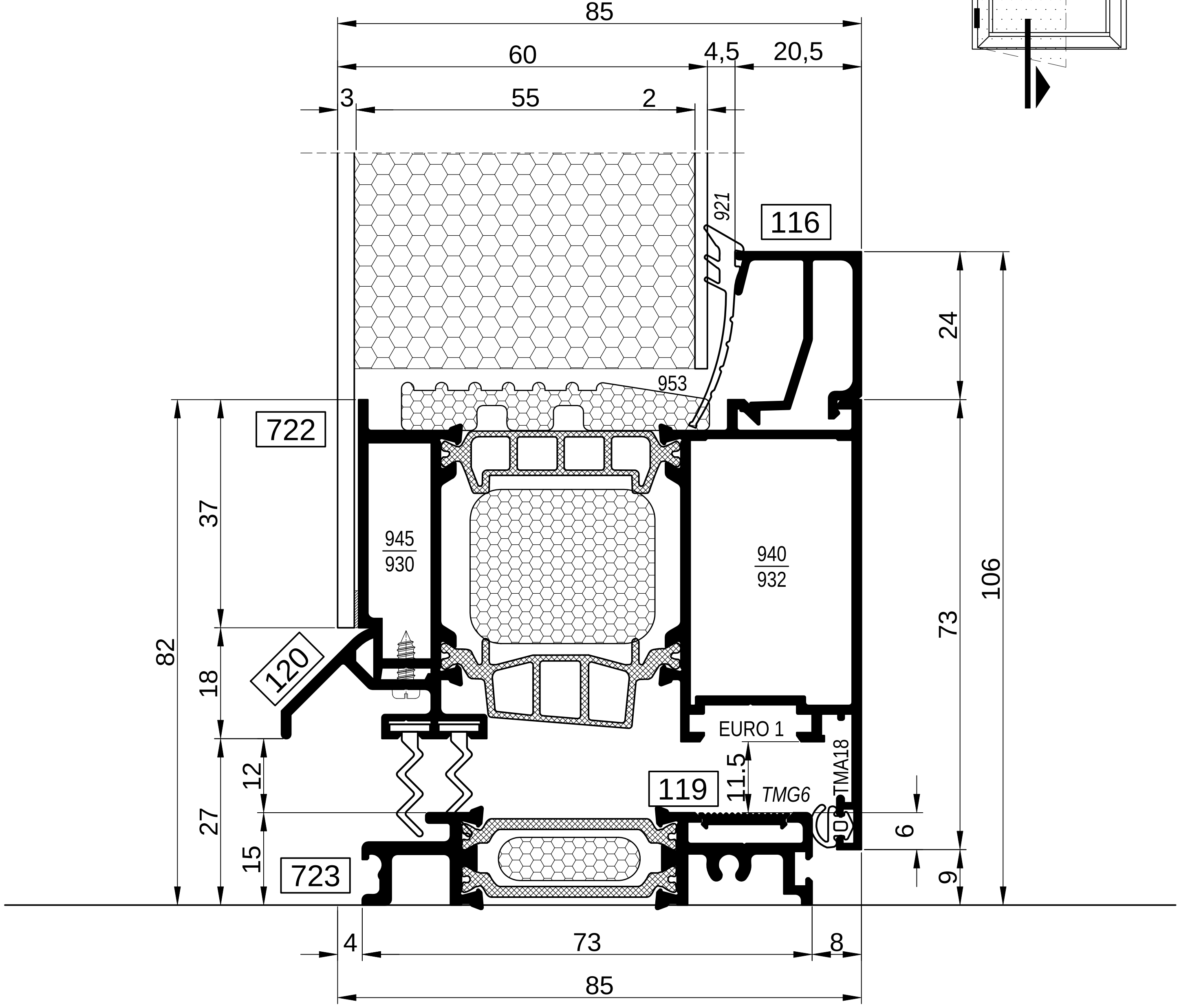
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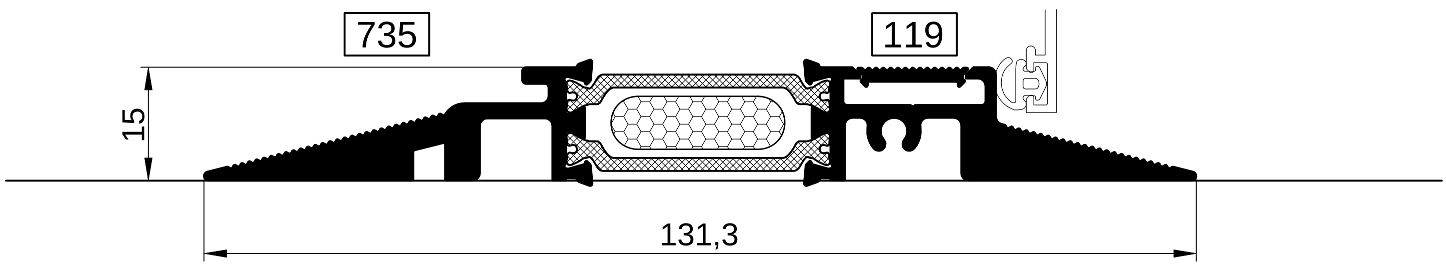
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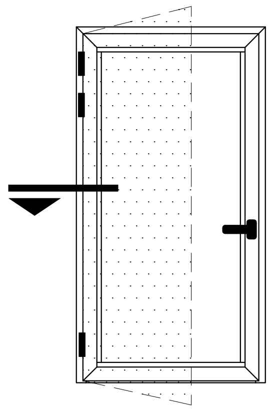

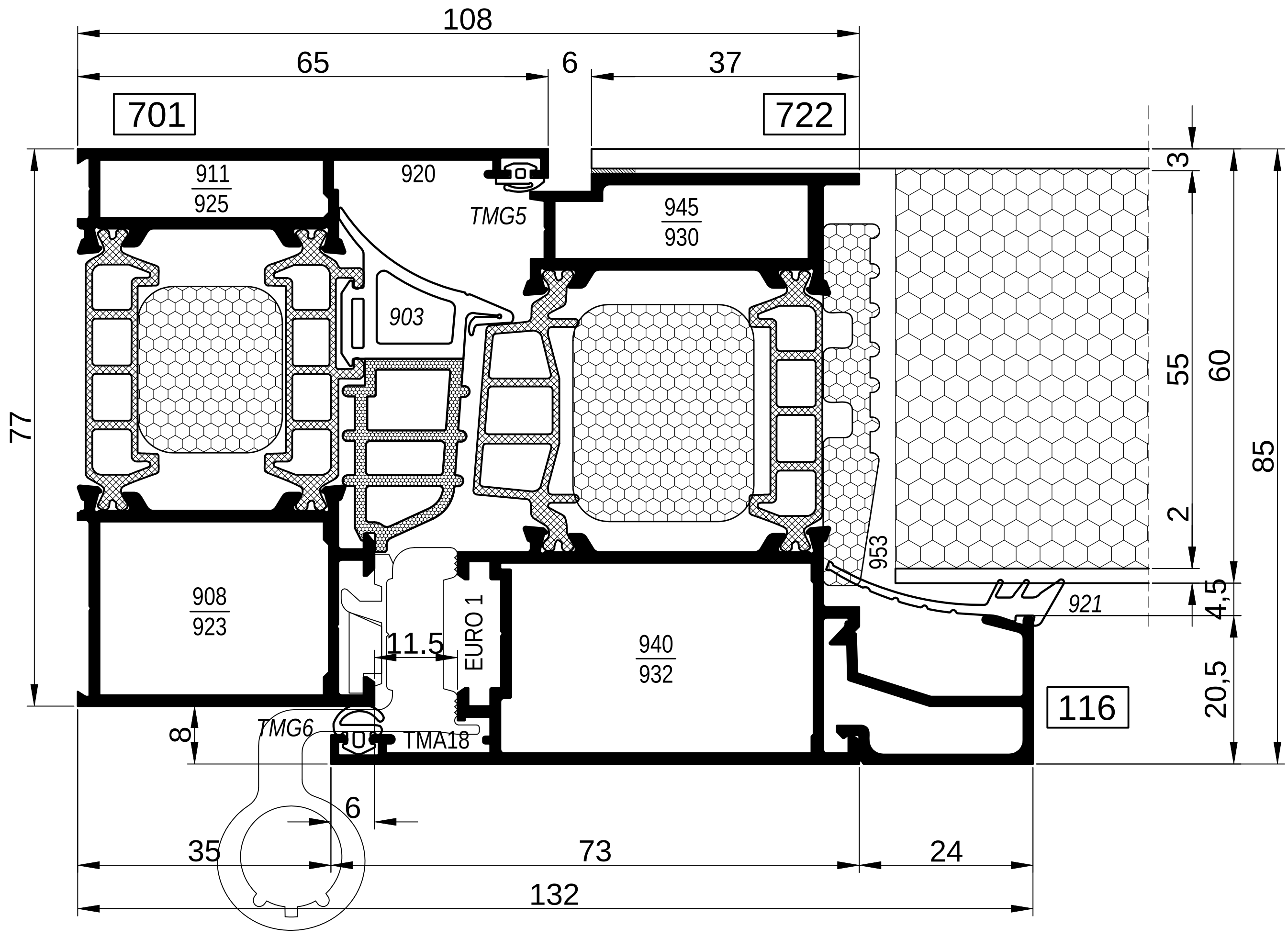
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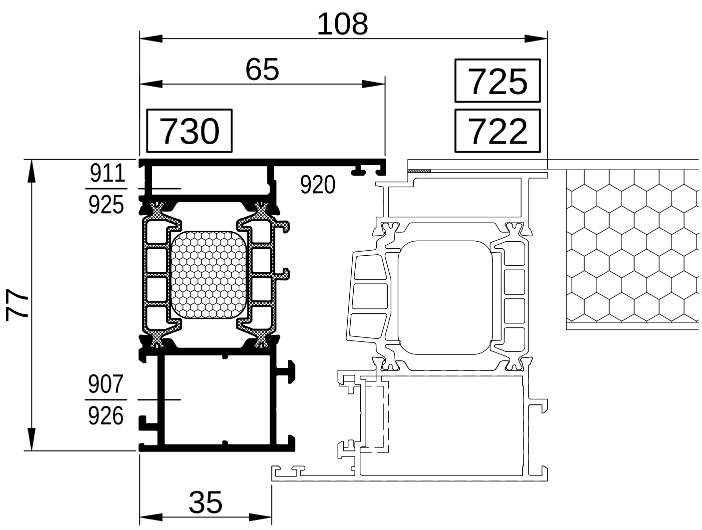
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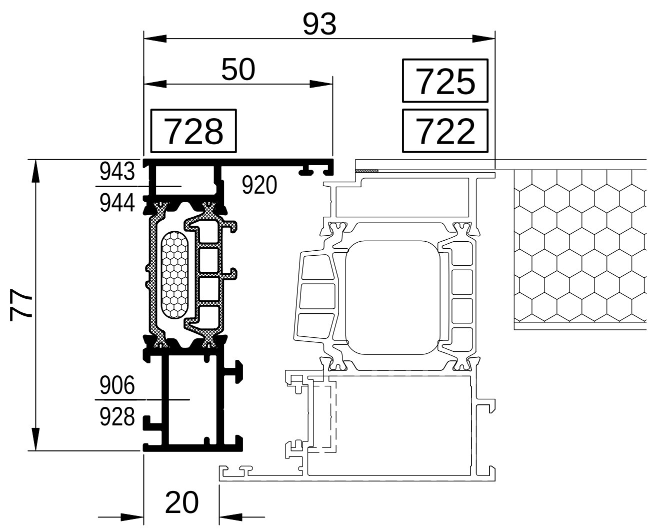
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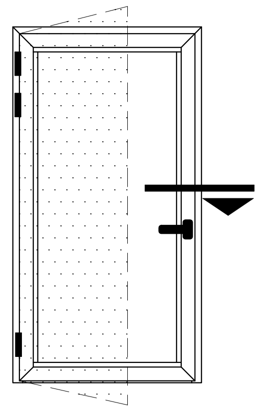

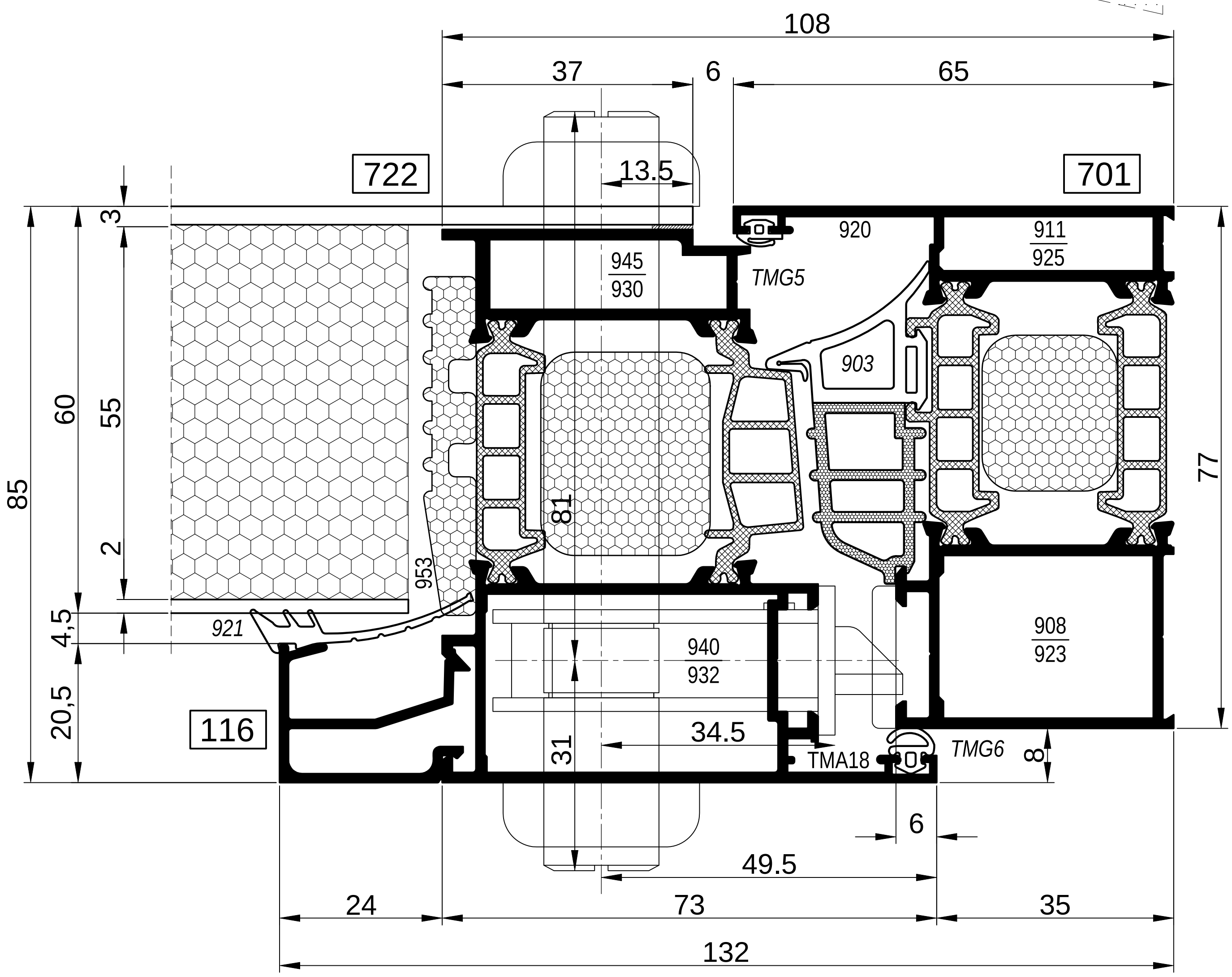
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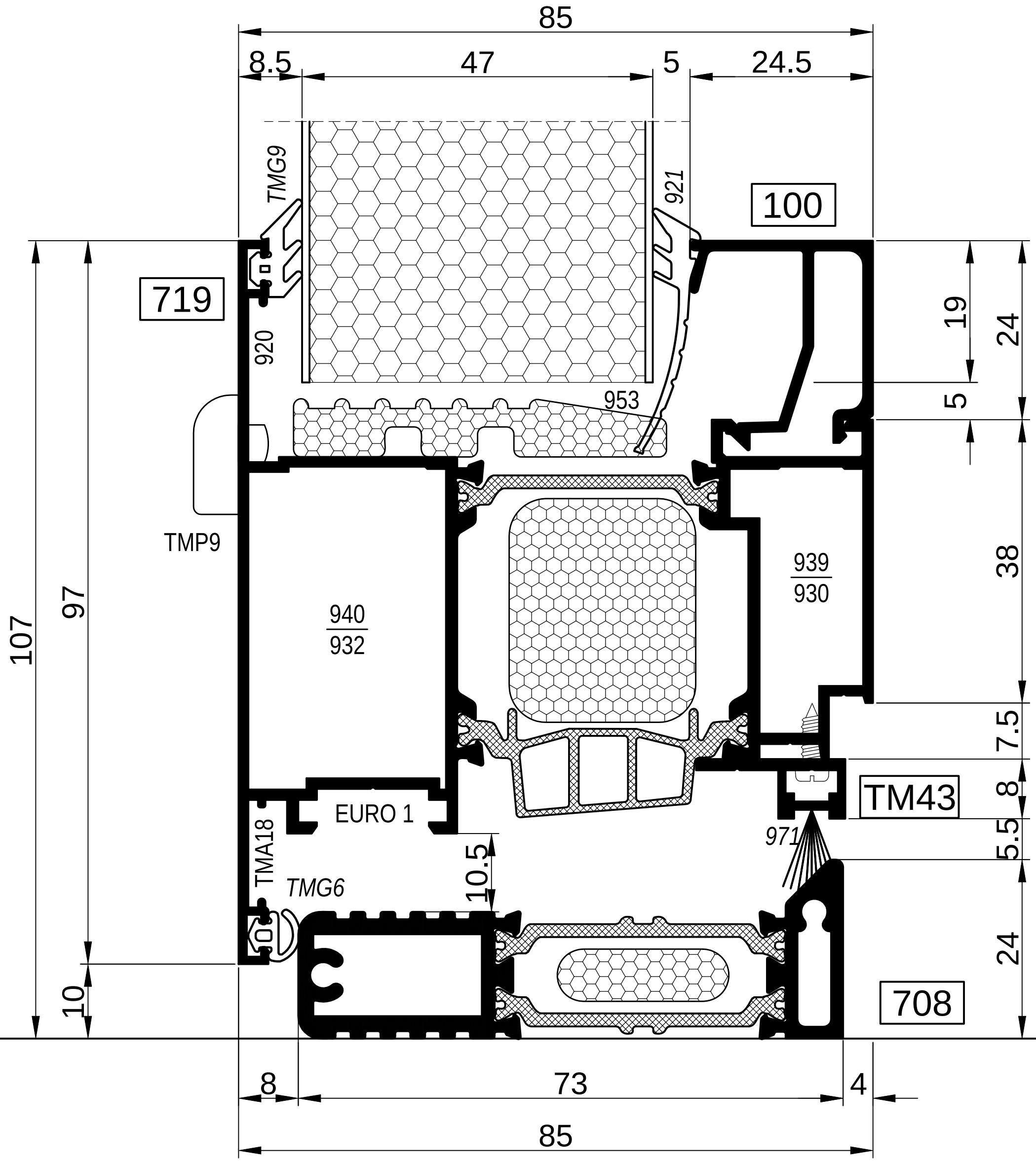
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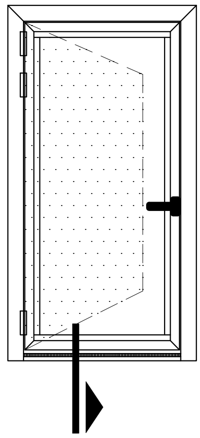

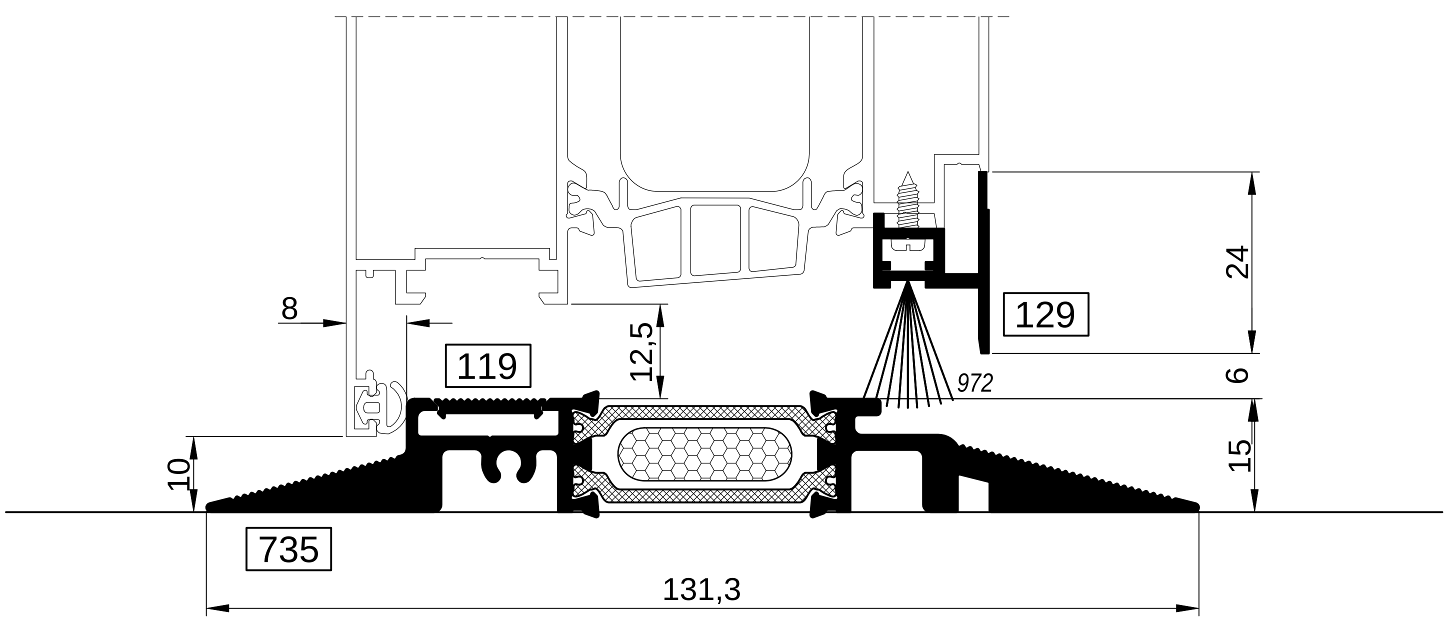
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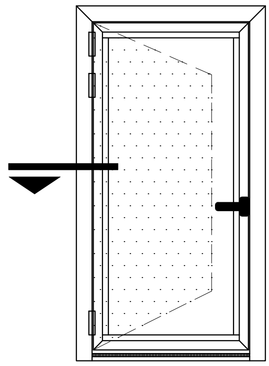

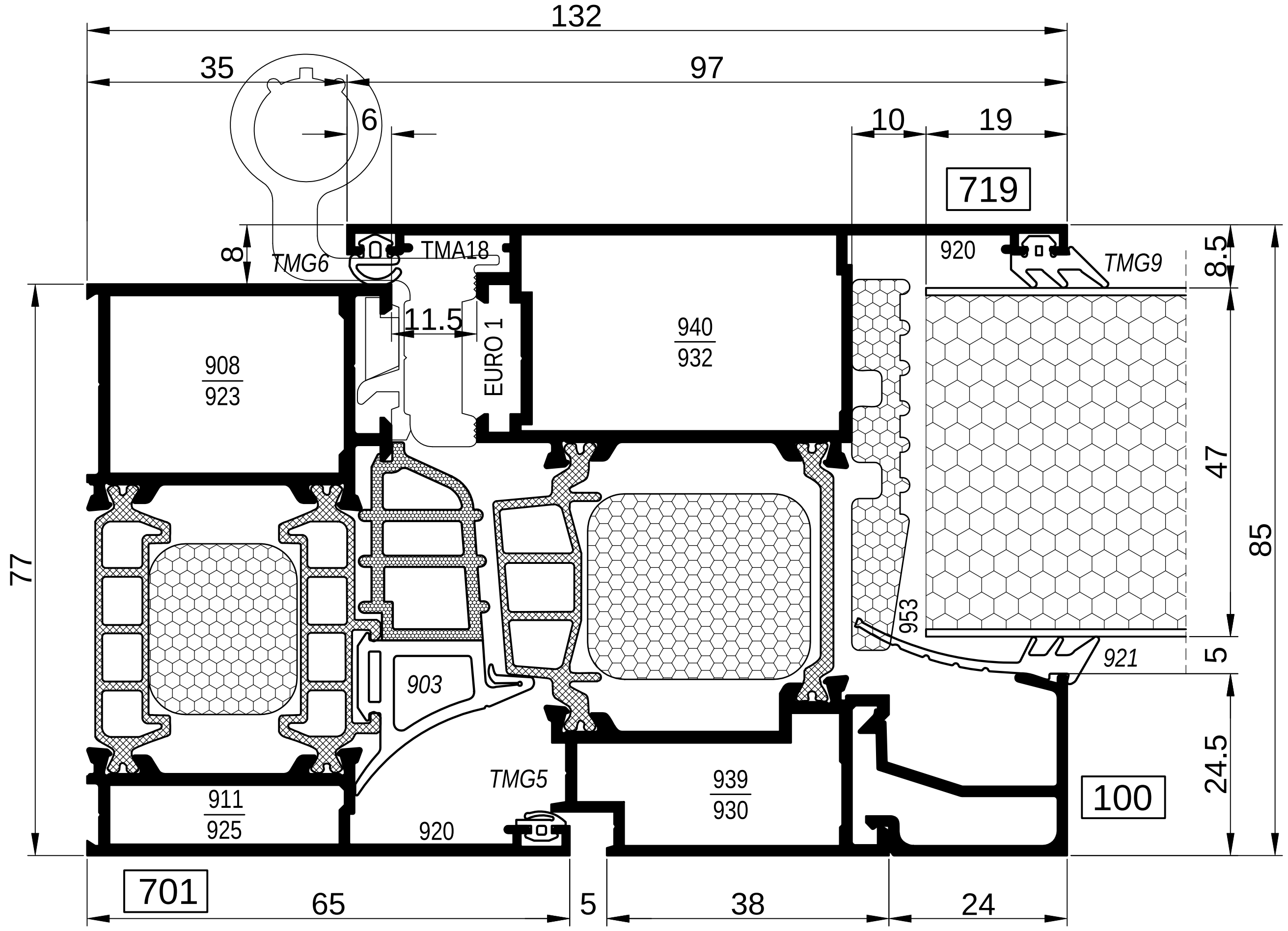
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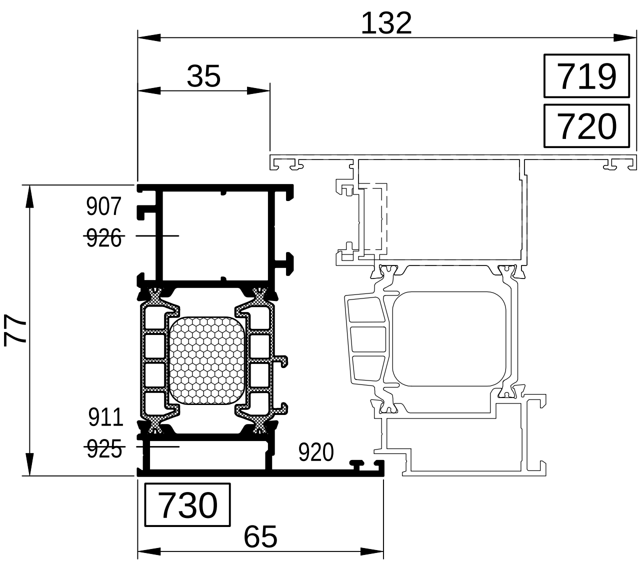
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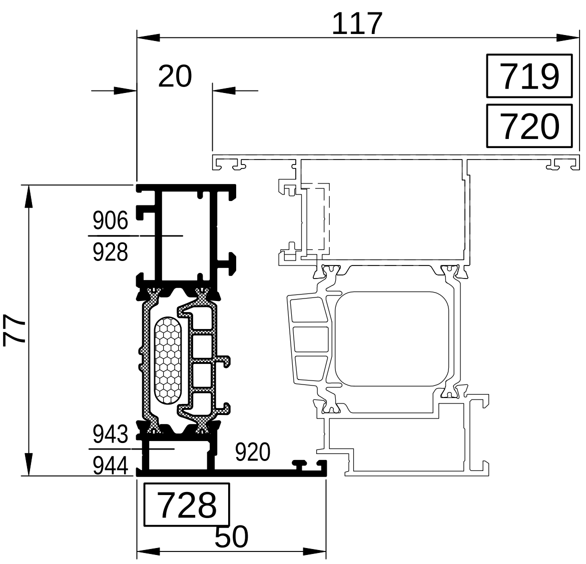
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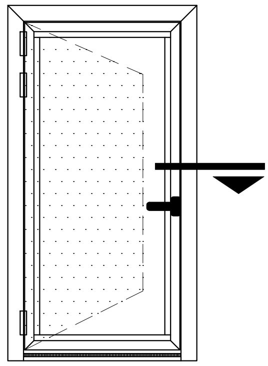

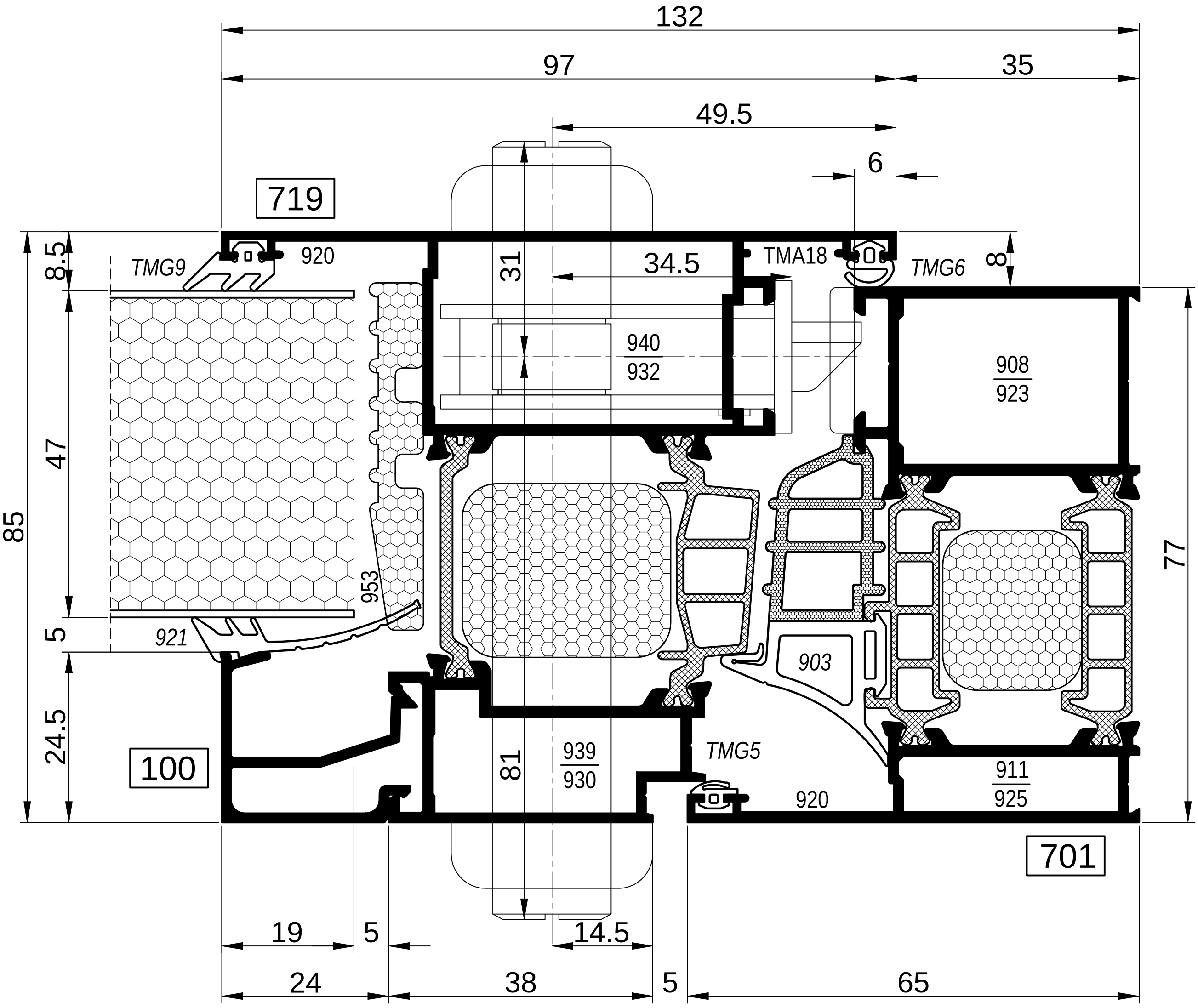
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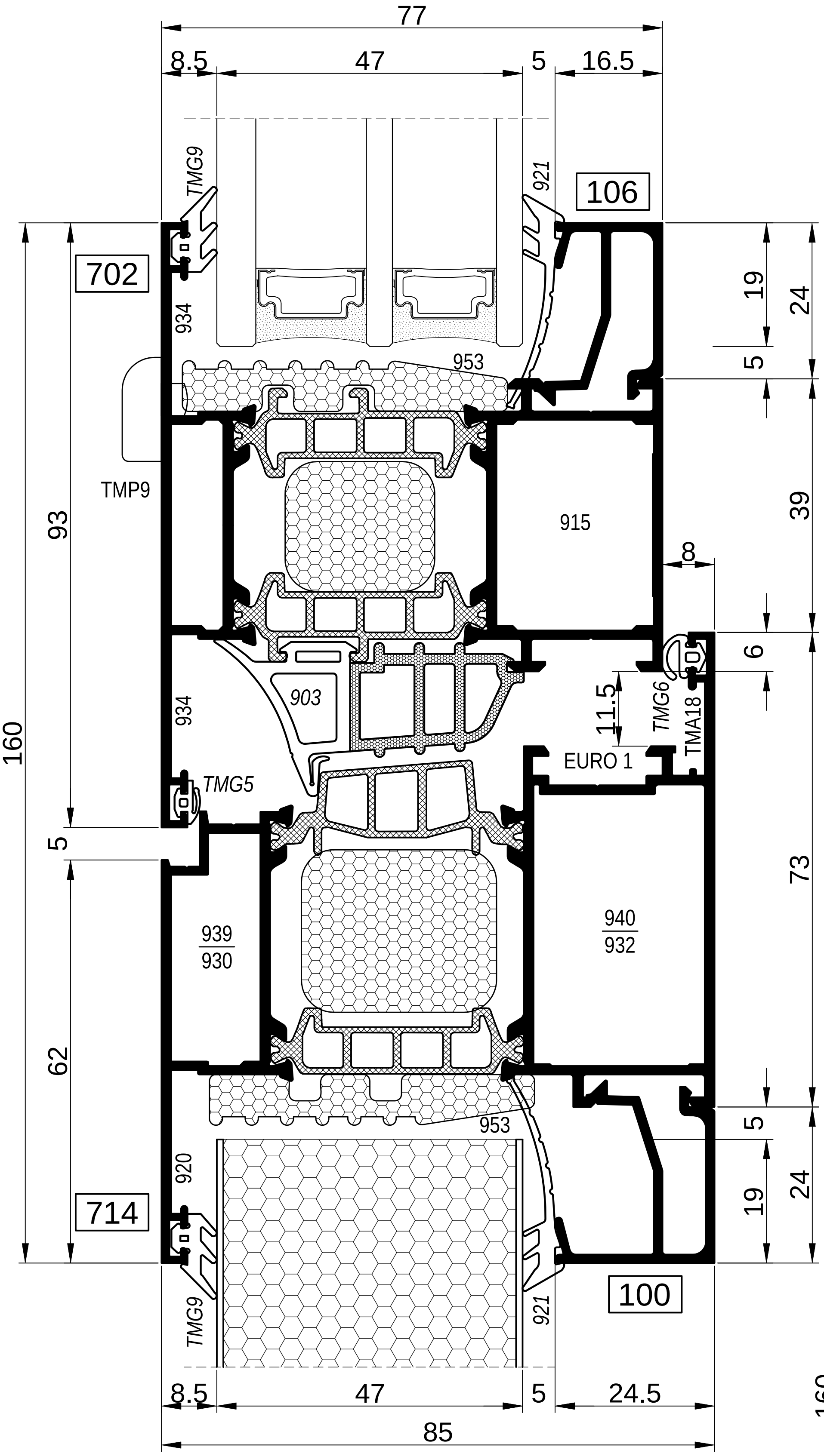
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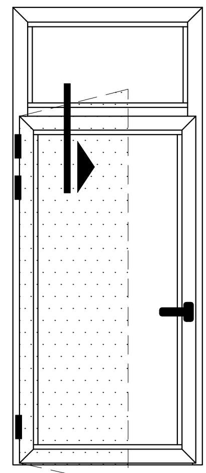

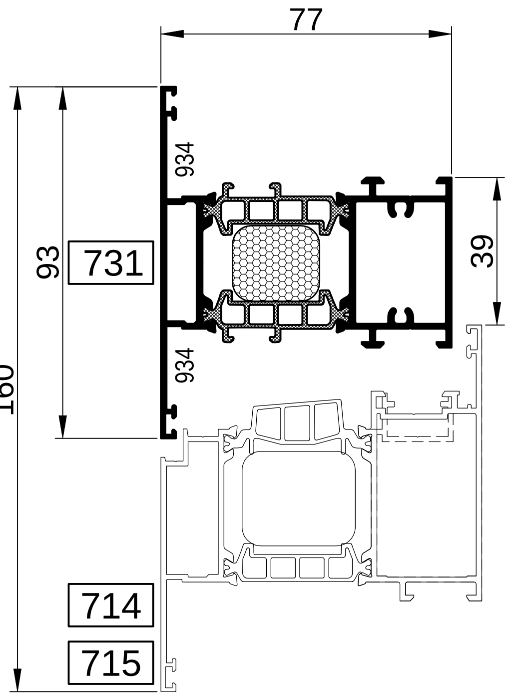
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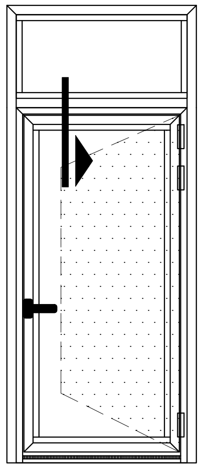

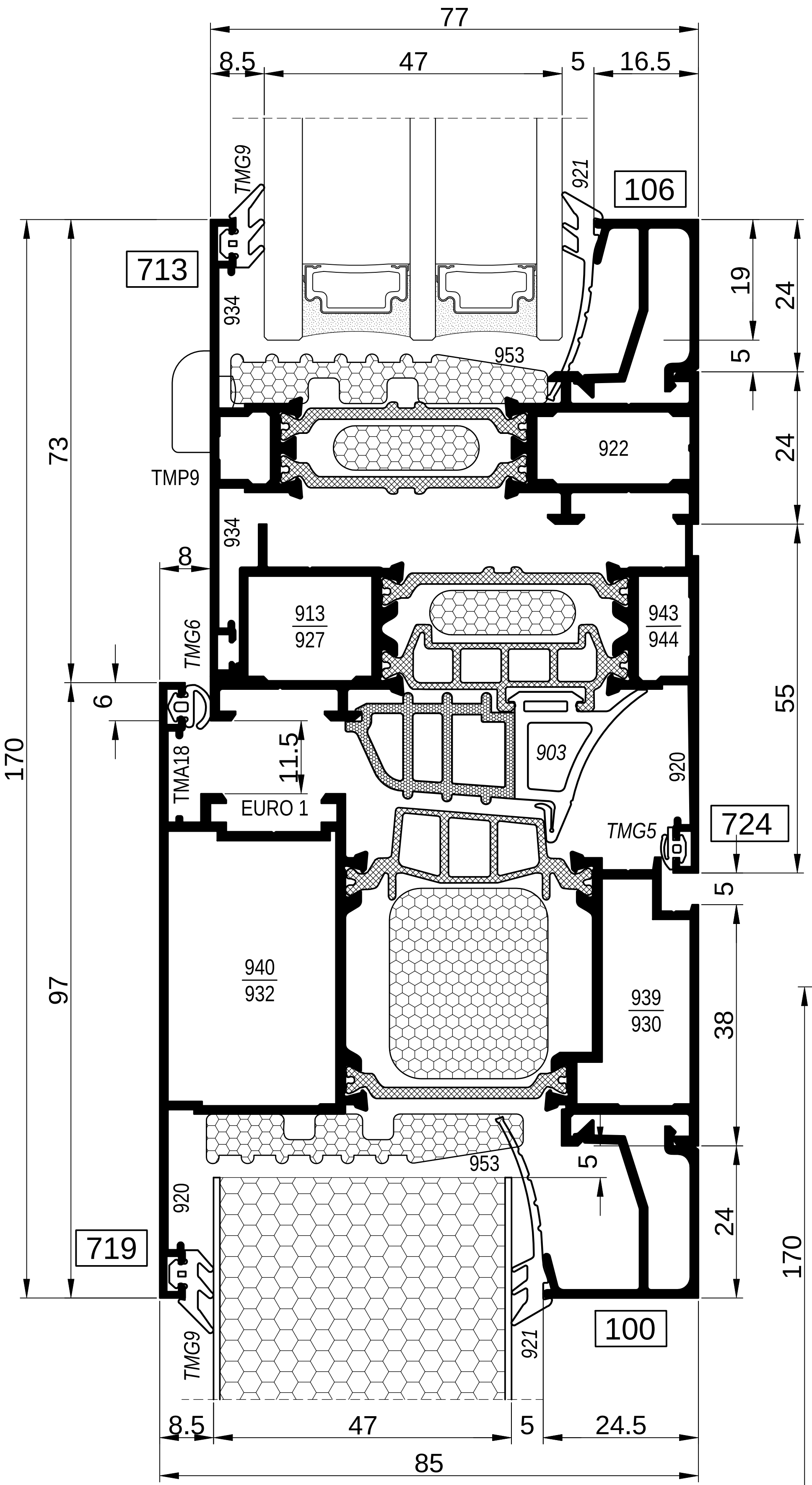
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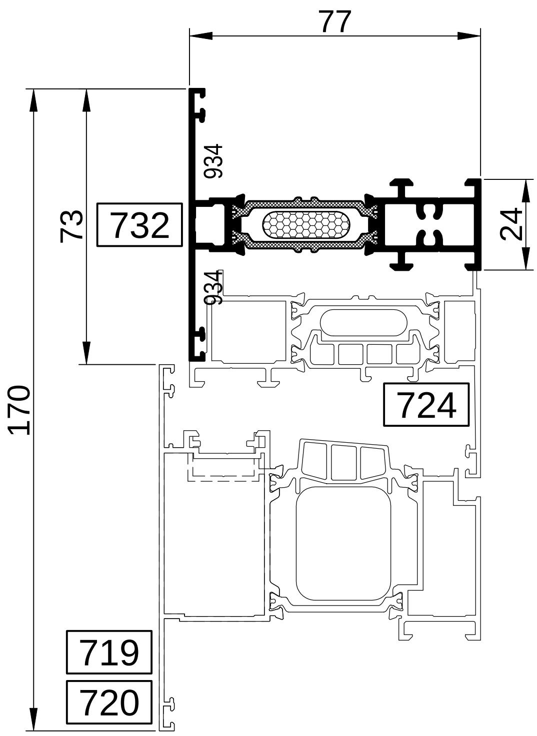
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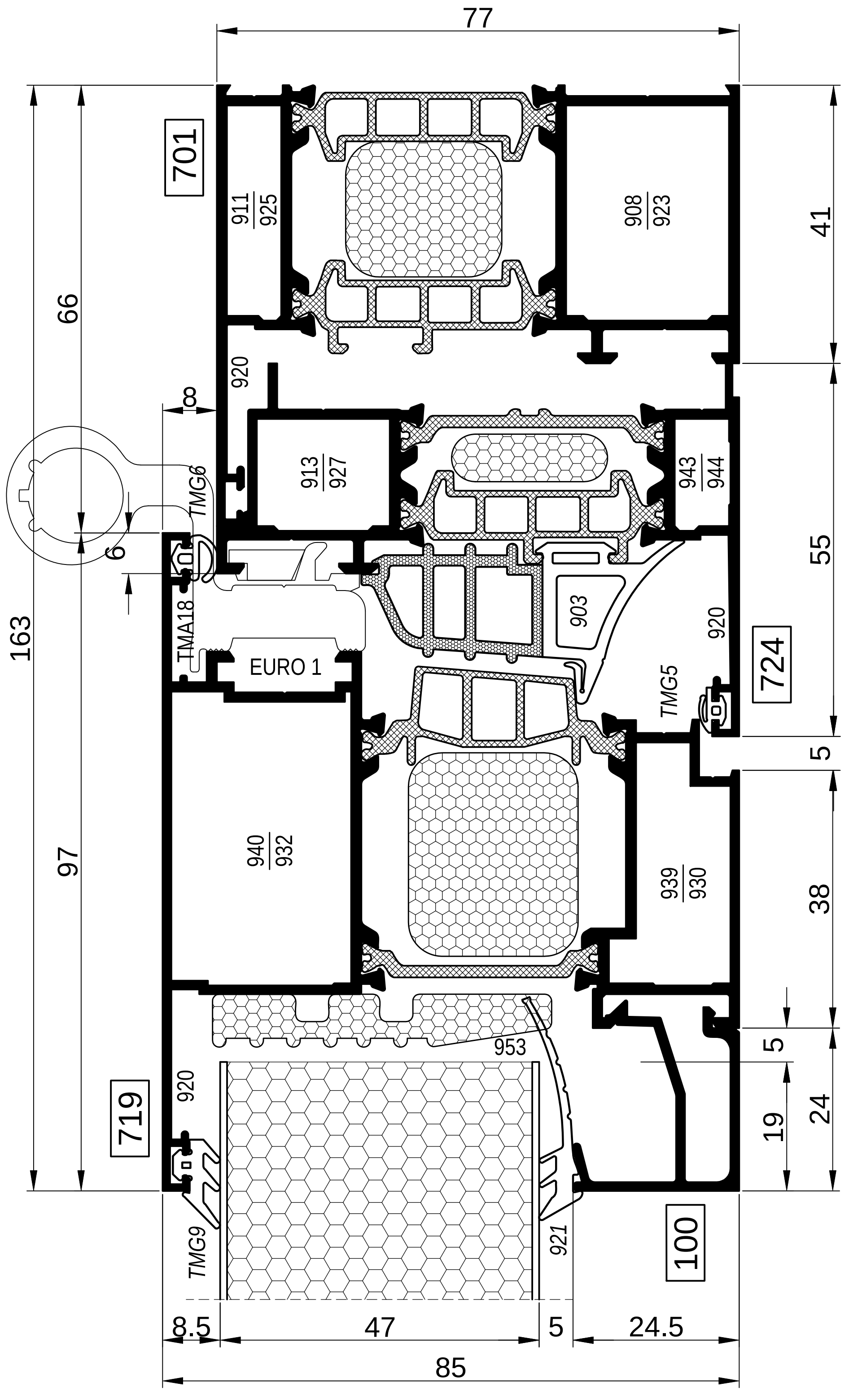
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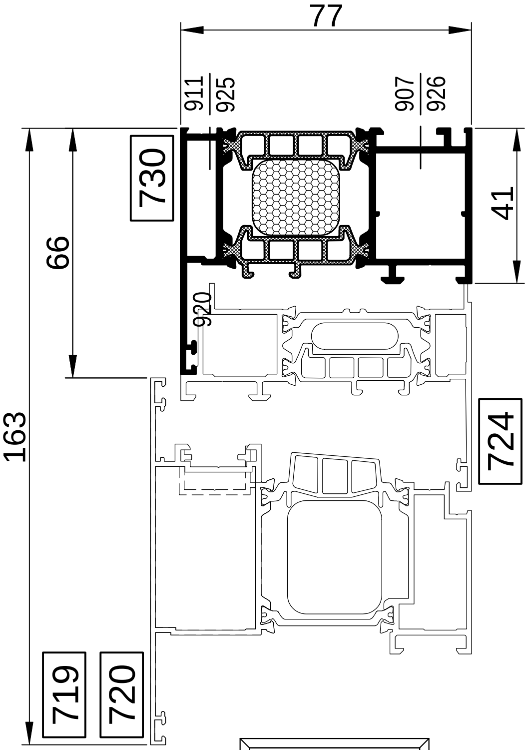
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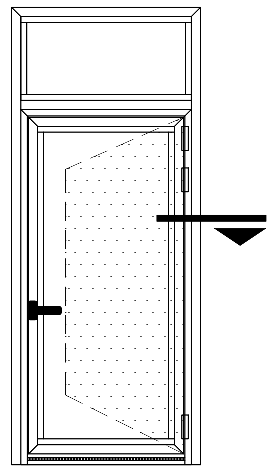

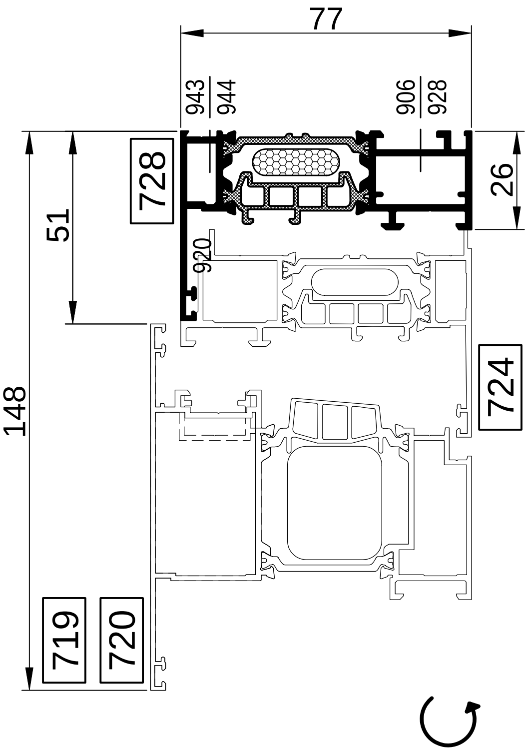
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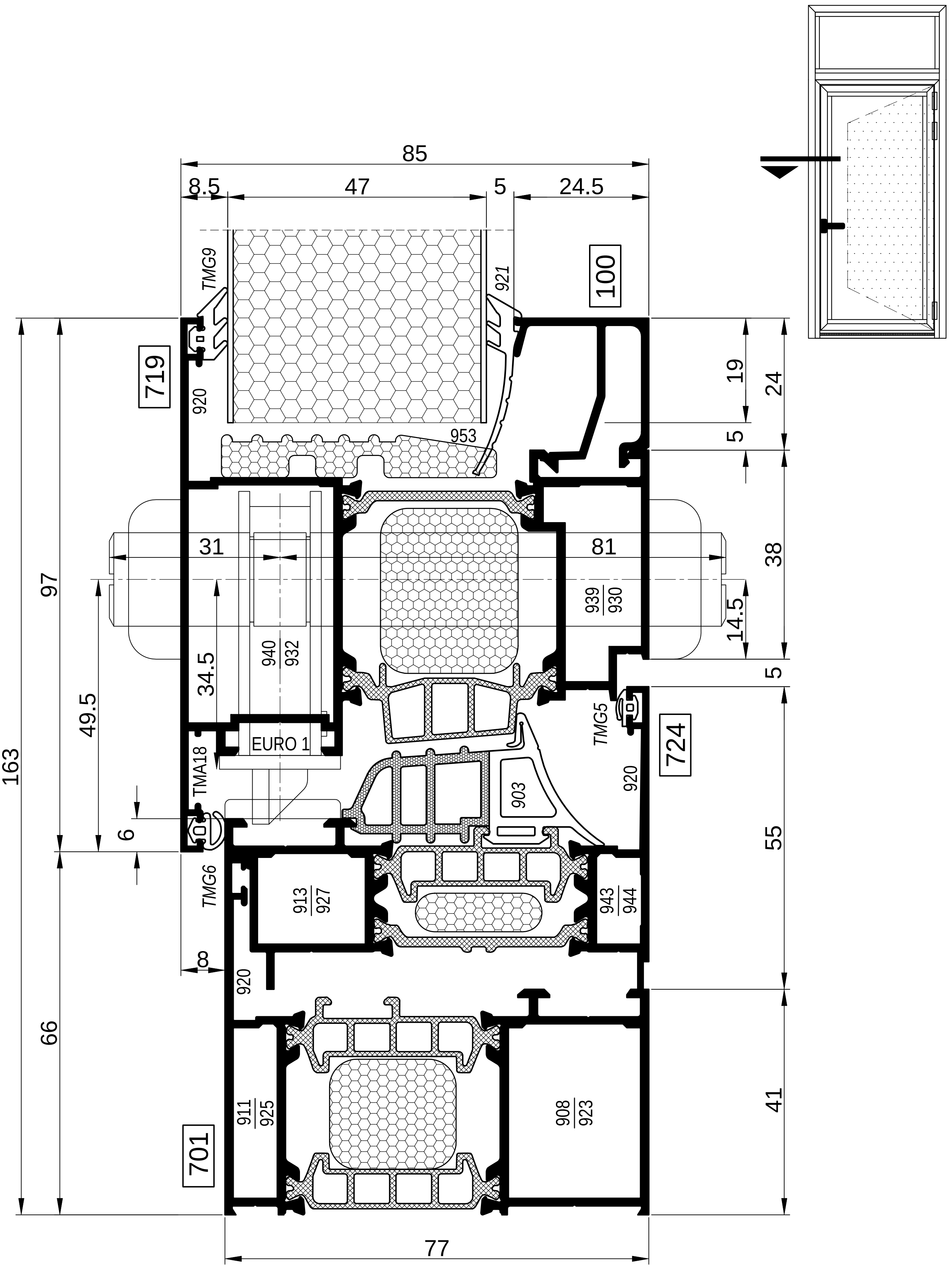
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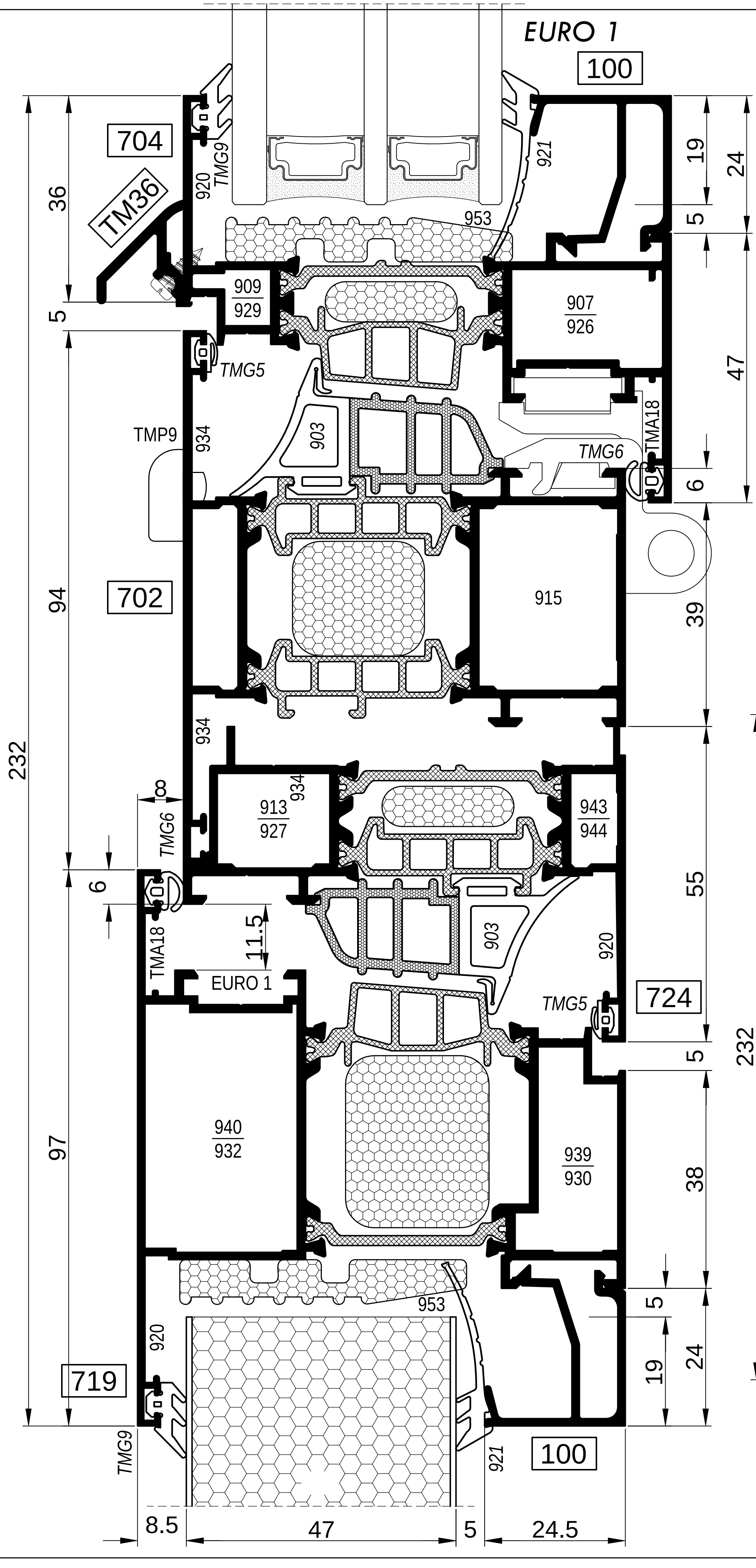
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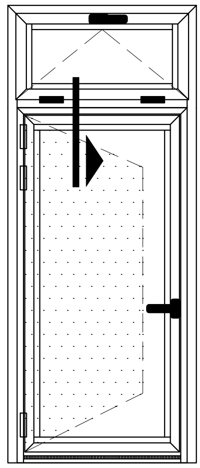

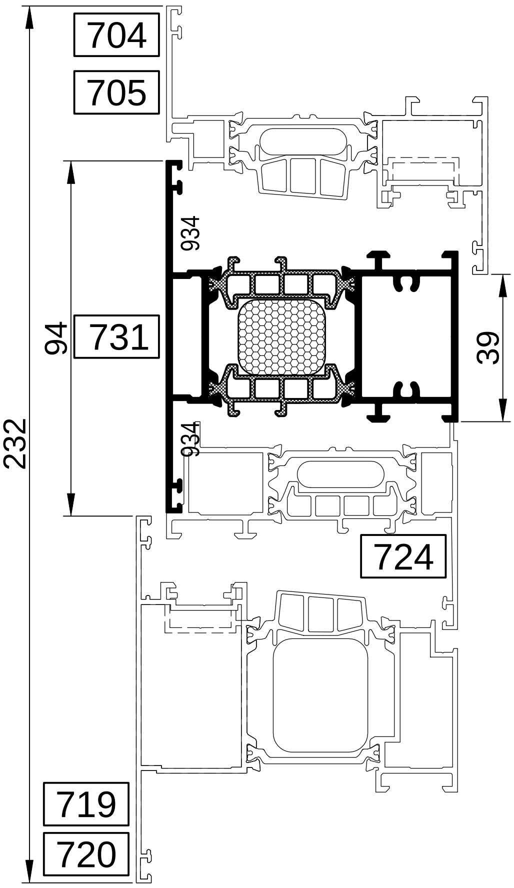
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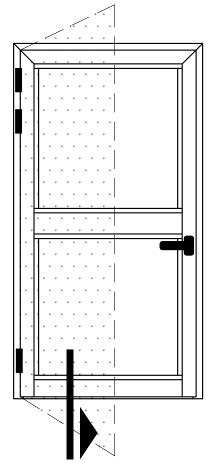

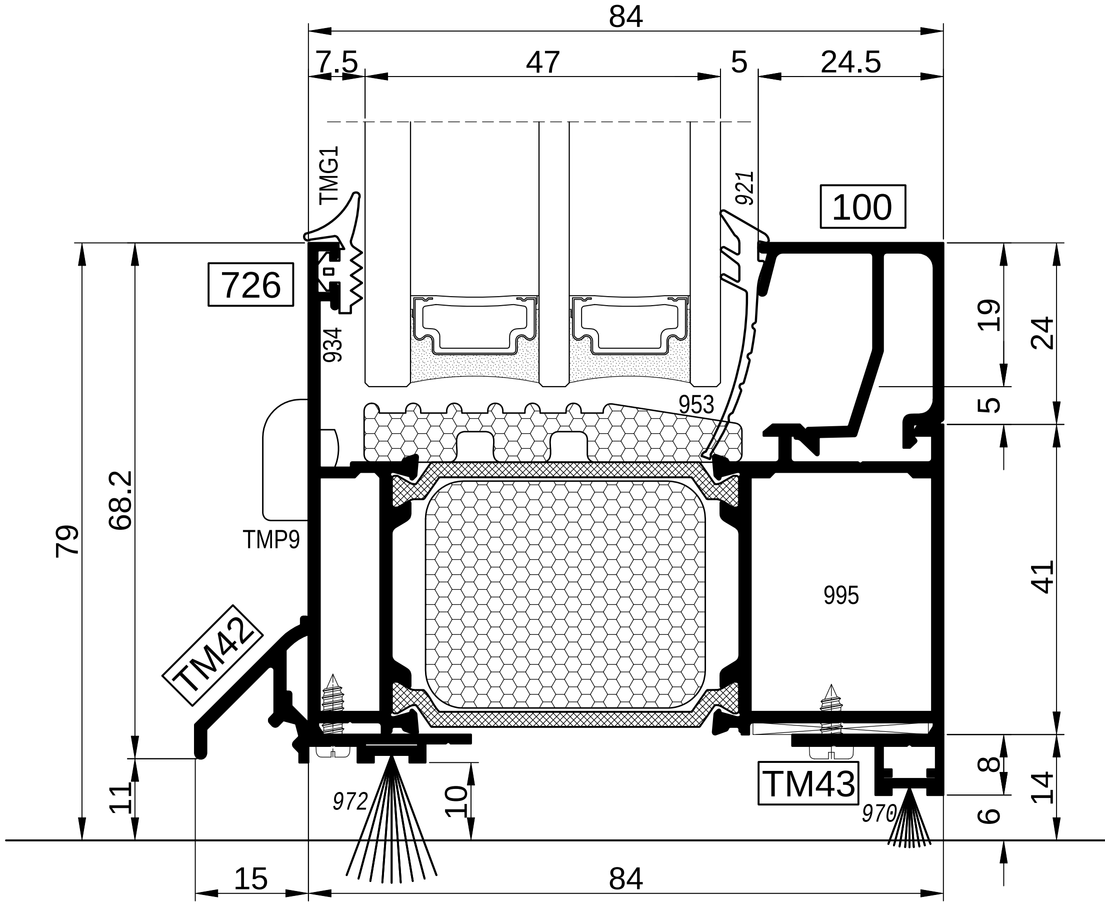
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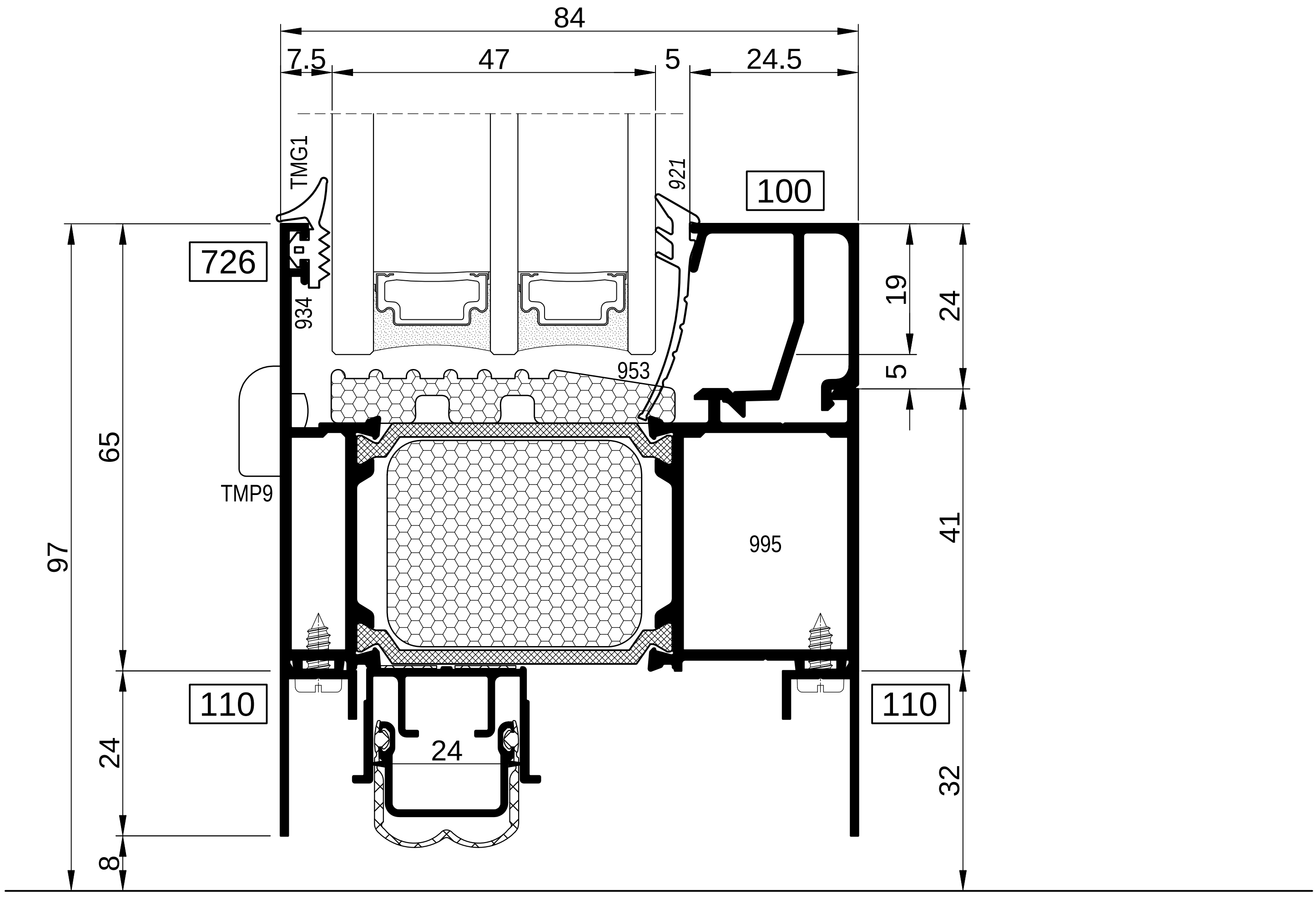
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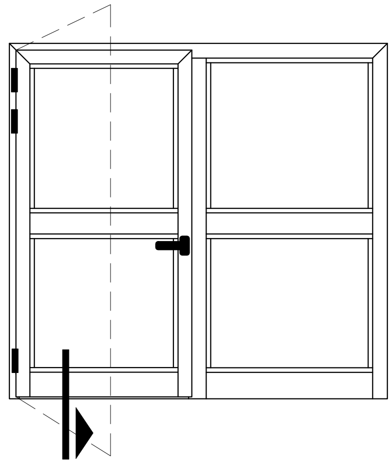

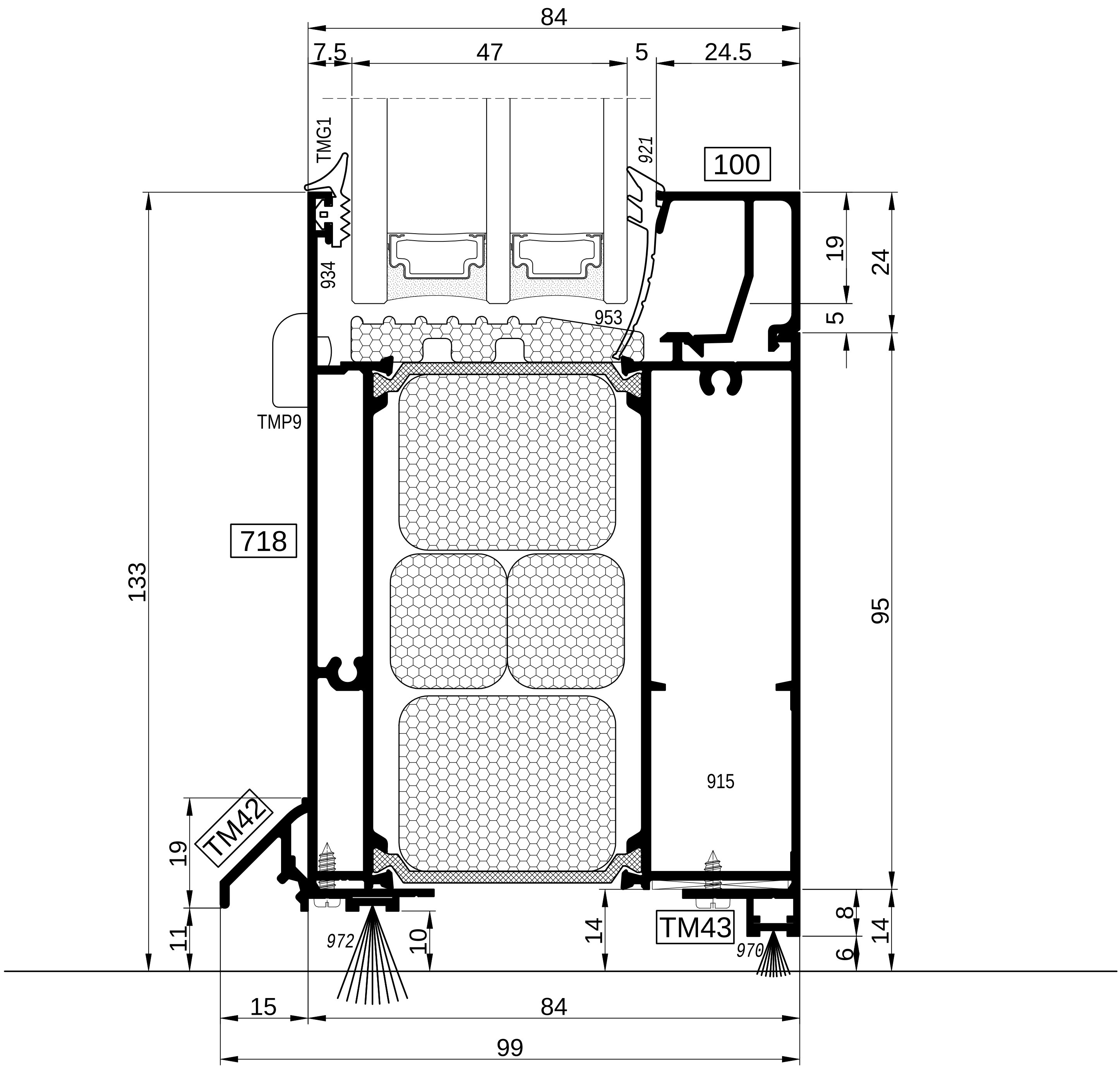
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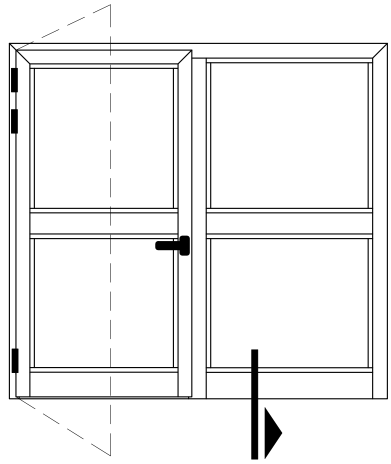

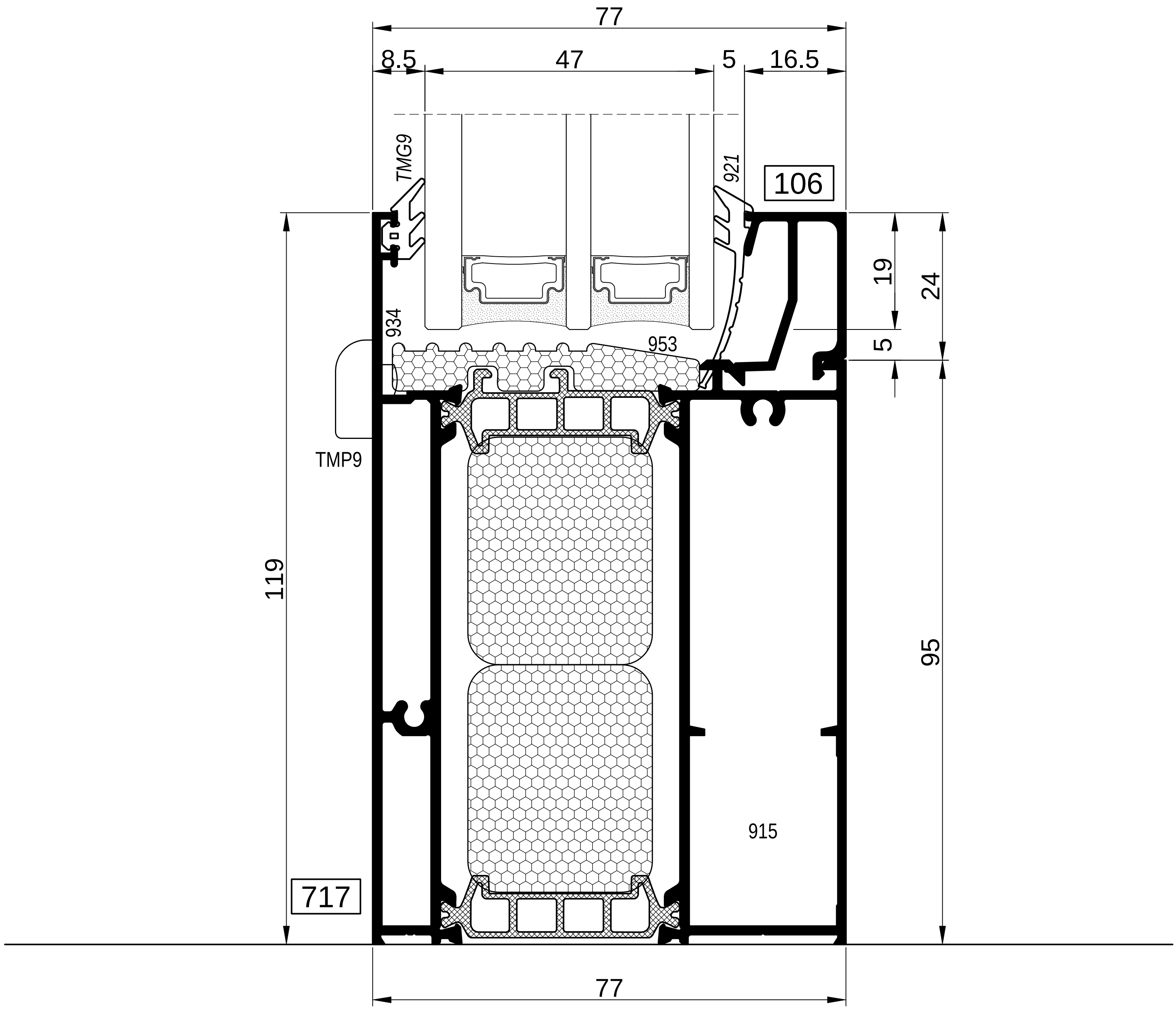

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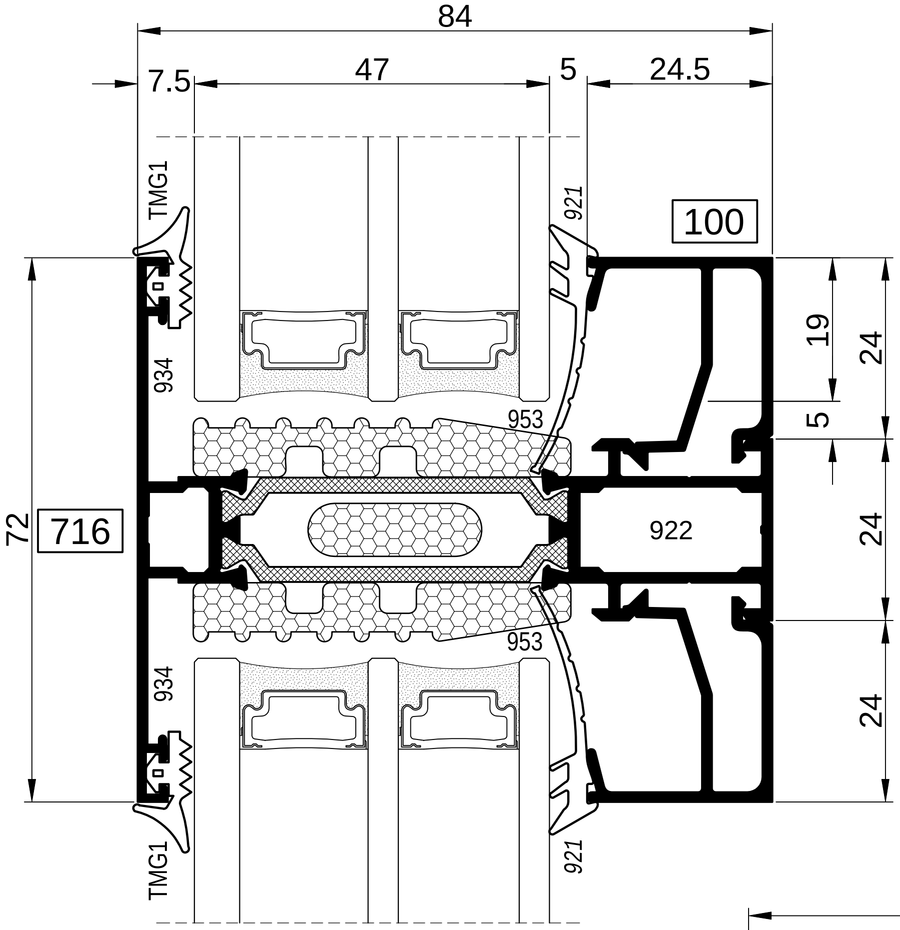
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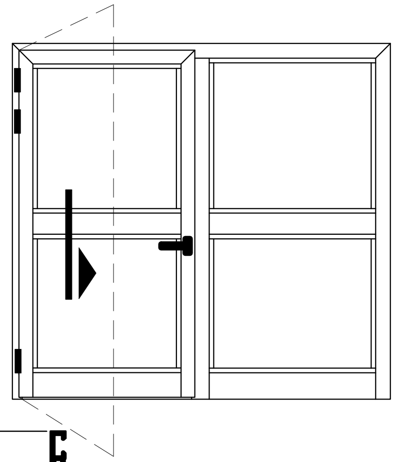

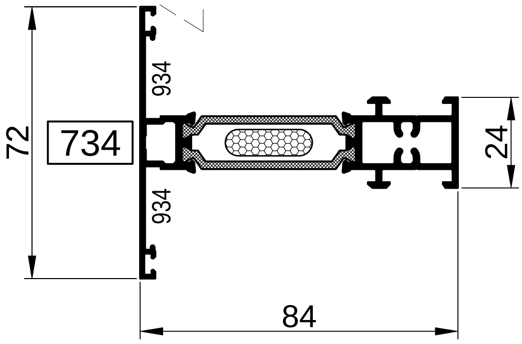
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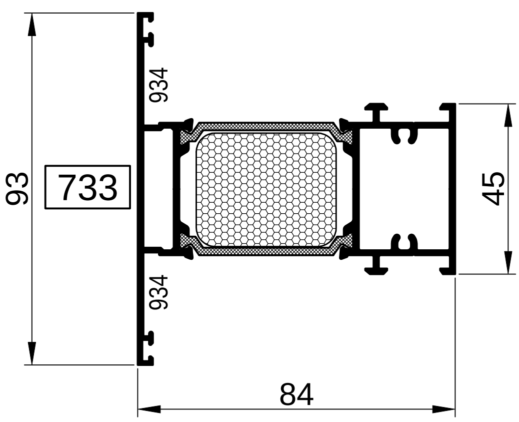
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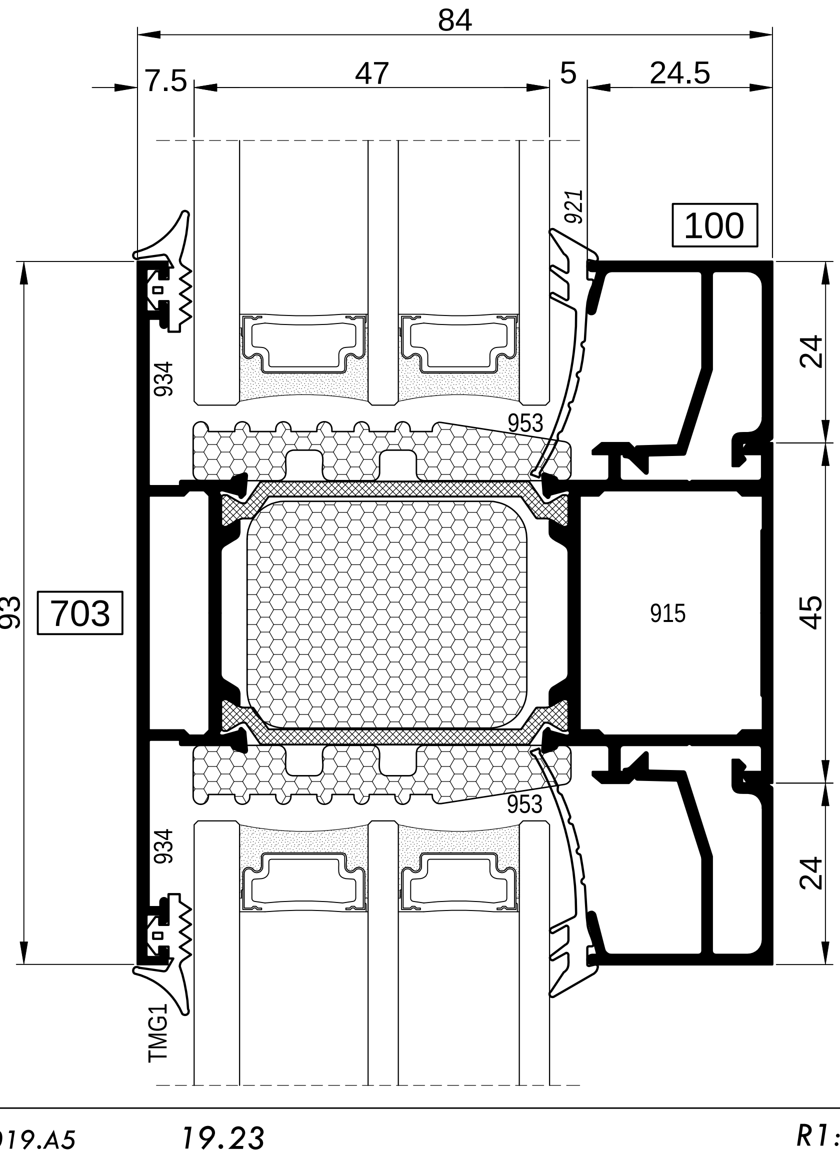
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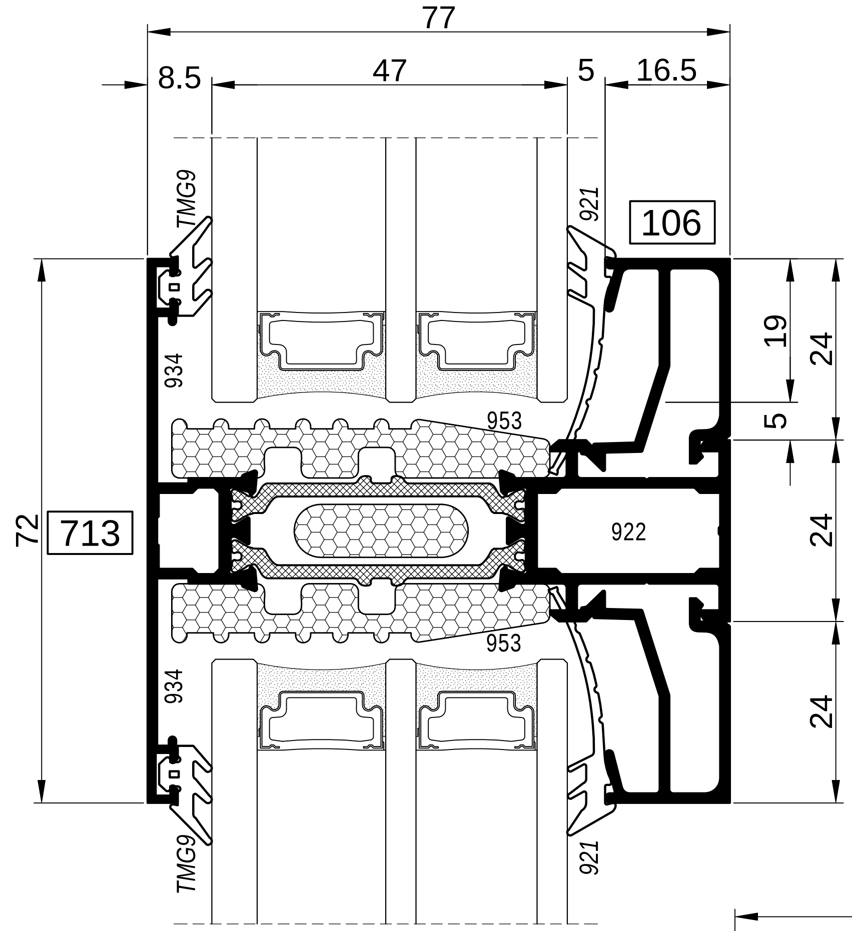
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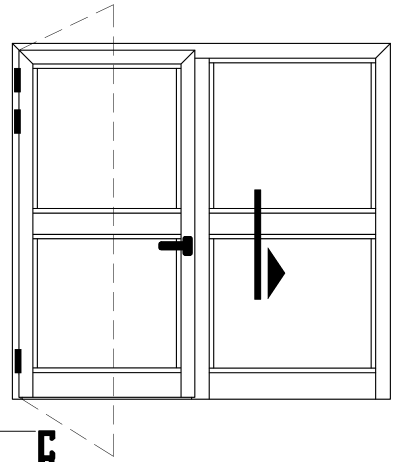

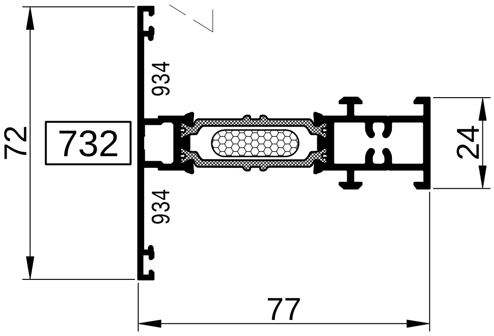
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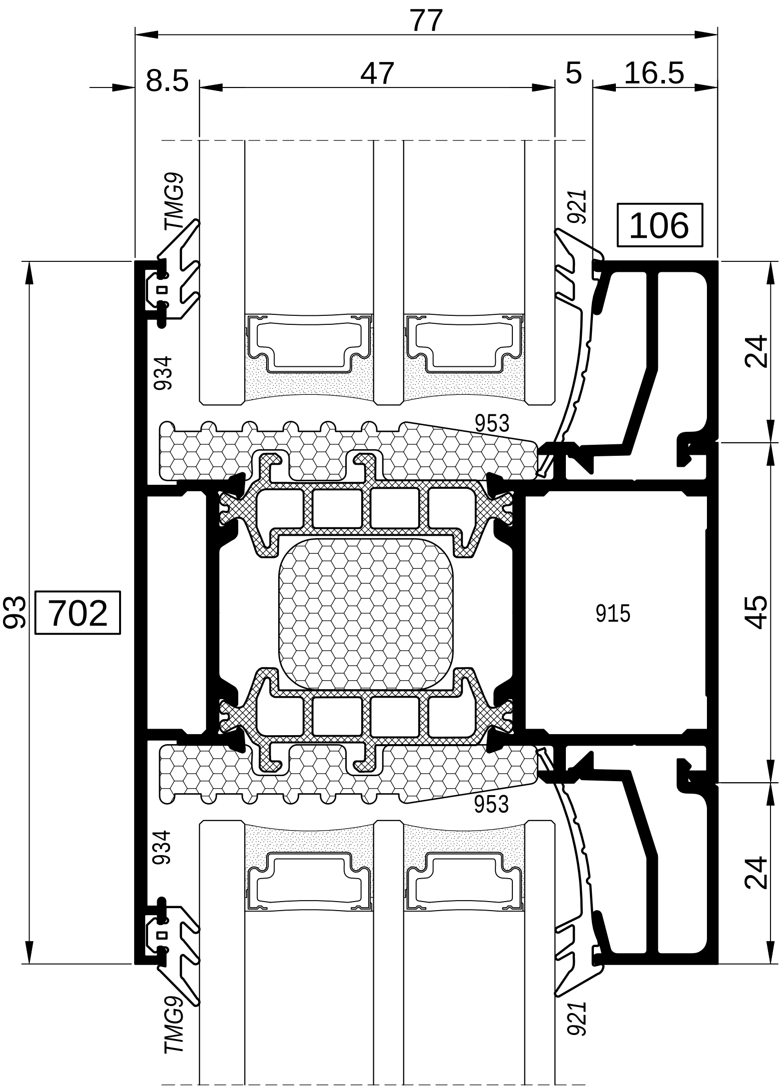
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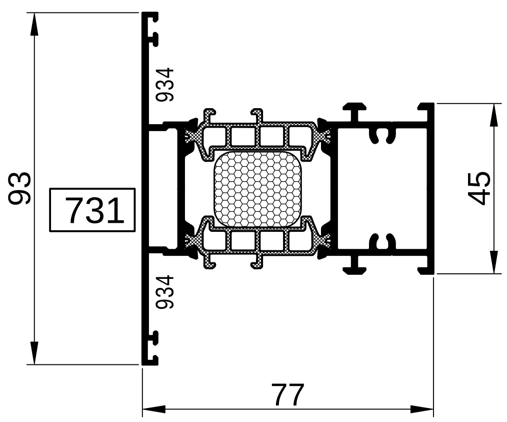
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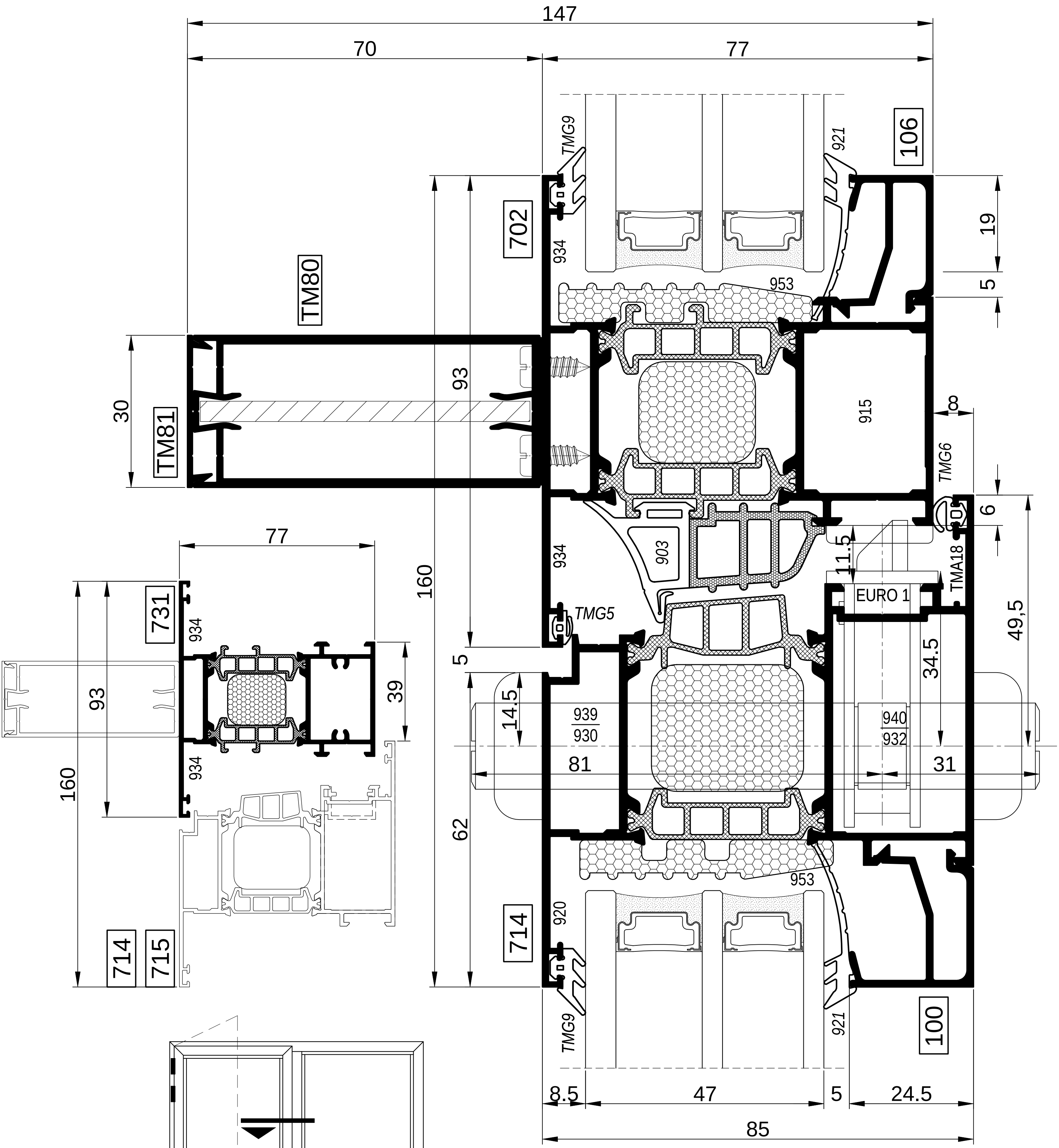
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953
915
19
5
8
TMG6
6
903
11.5
TMA18
EURO 1
49,5
TMG5
34.5
14.5
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31
920
100
8.5
47
5
24.5
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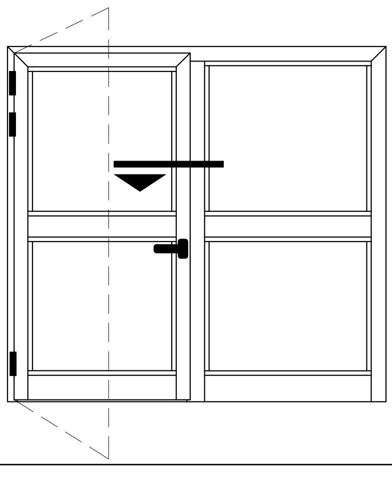
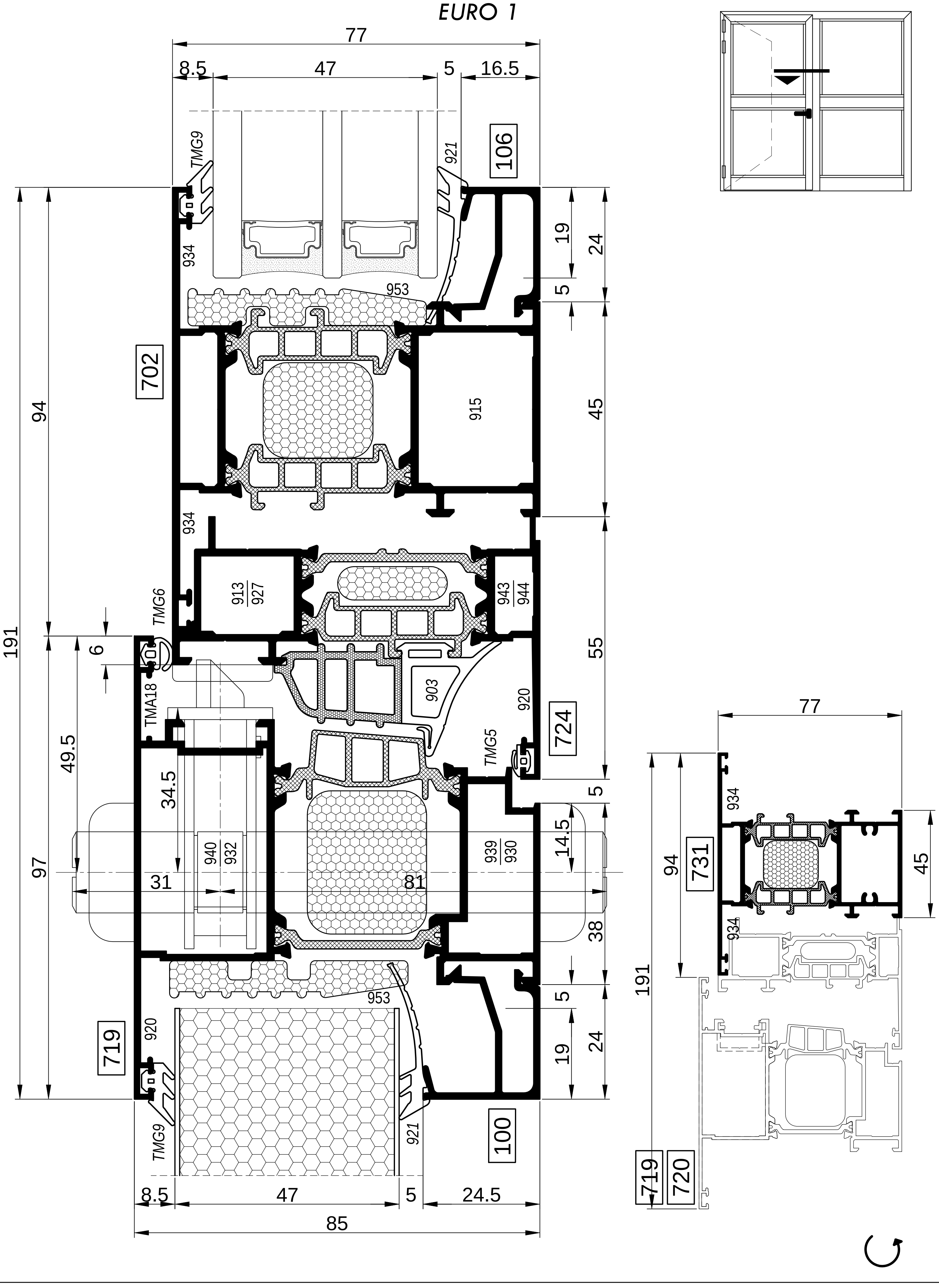
731
39
715



EURO 1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943
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TMG6
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TMA18
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TMG5
49.5
34.5
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97
940
932
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953
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TMG9
921
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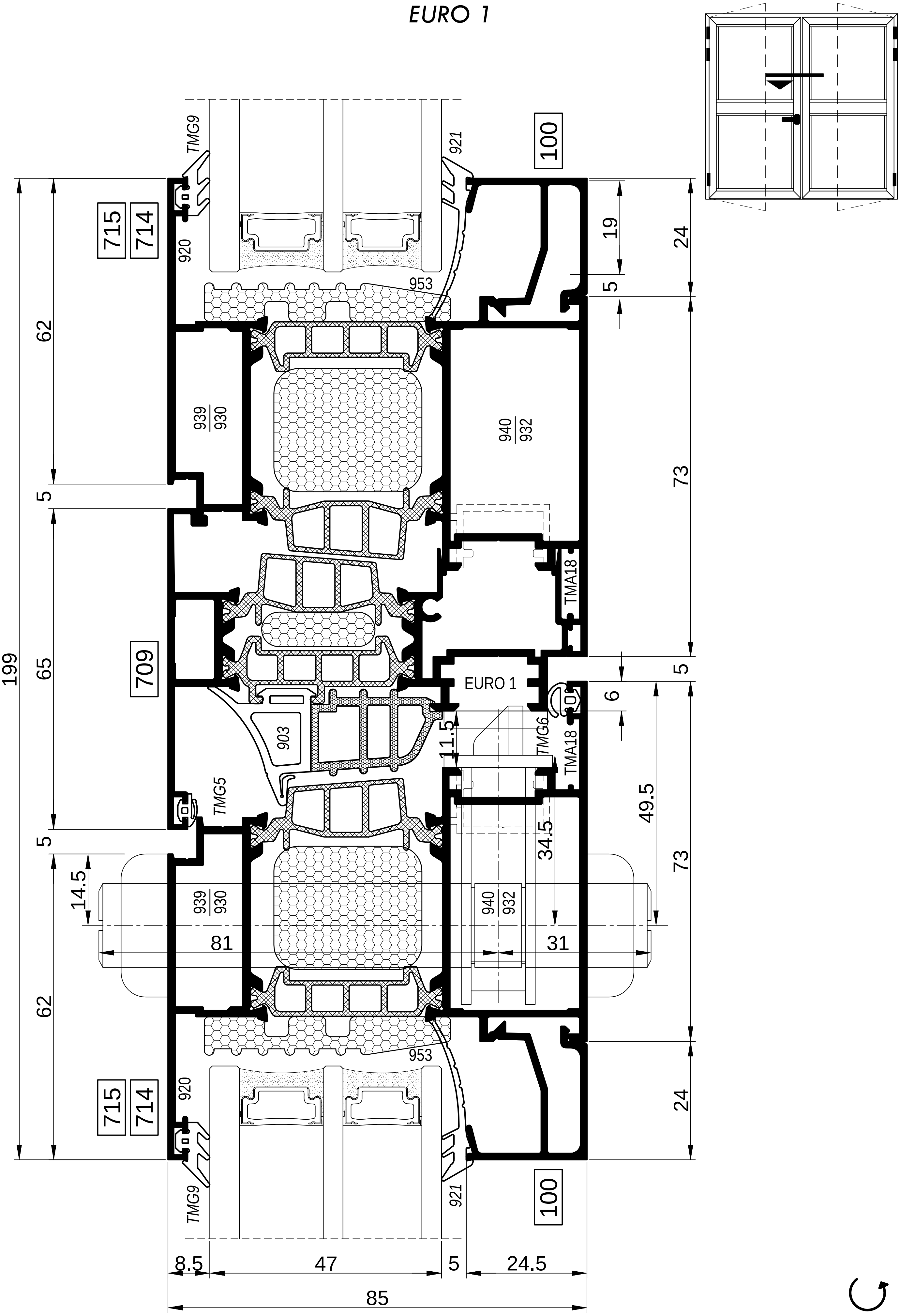
EURO 1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921
100
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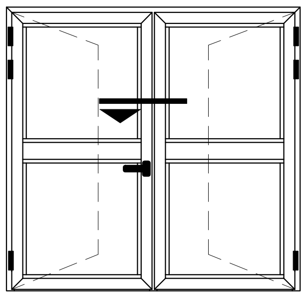
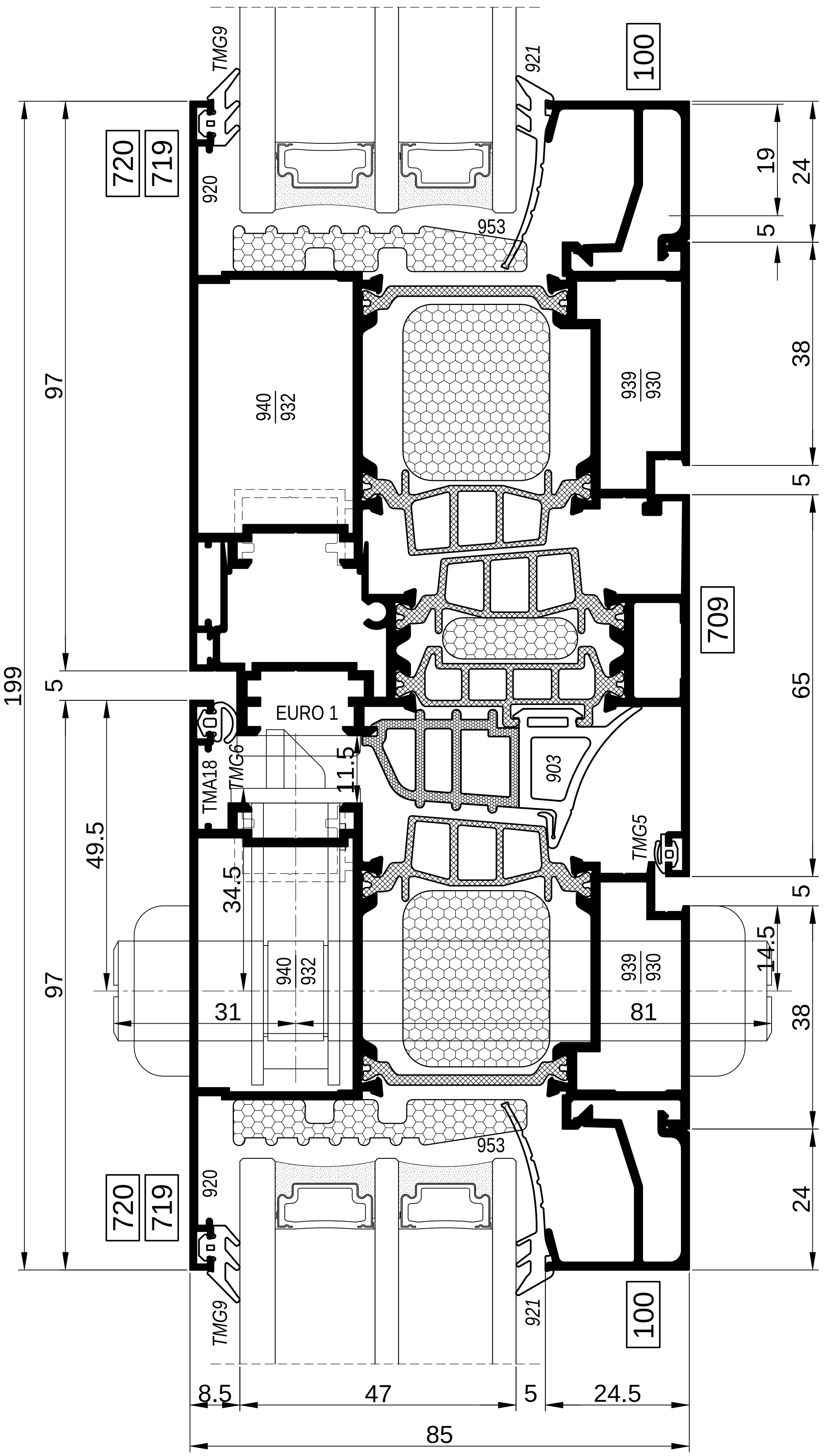
714
920
953
19
24
5
62
939
930
940
932
73
TMA18
199
65
709
EURO 1
6
903
11.5
TMG6
TMA18
TMG5
49.5
34.5
14.5
81
31
8.5
47
24.5
85

EURO 1




TMG9
921
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19
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5
940/932
939/930
38
97
199
709
65
EURO 1
TMA18
TMG6
11.5
903
TMG5
49.5
34.5
14.5
31
81
8.5
47
24.5
85

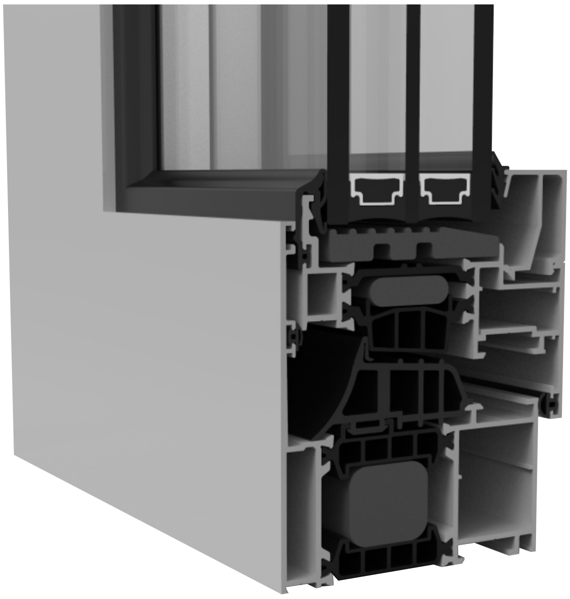
Sistem
System
Система

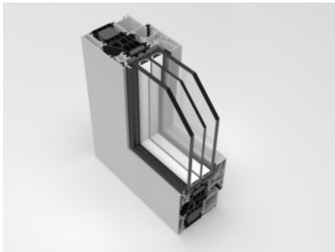
Block Therm 77

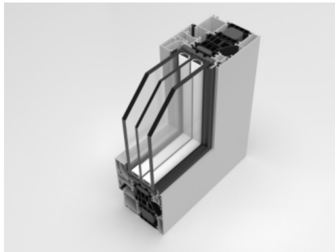
Sistem LINEAL BLOCK THERM 77

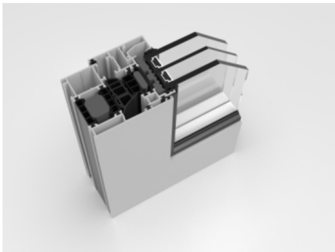
System LINEAL BLOCK THERM 77

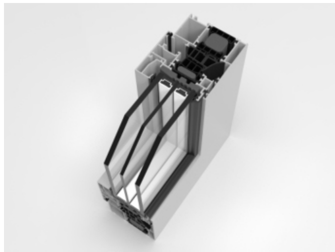
Система LINEAL BLOCK THERM 77











Tehnički opis sistema

Sistem LINEAL BLOCK THERM 77 je jedan od osam iz serije LINEAL i predstavlja sistem aluminijumskih profila sa termičkim prekidom, specijalno projektovanih za izradu elemenata prozora sa ugradnom dubinom štoka od 77mm.Sistem je dizajniran tako da zadovoljava savremene zahteve na polju energetske efikasnosti, kao i ostale uslove nepohodne za bezbedan i udoban radni i životni prostor.Prilikom projektovanja elemenata sistema posebna pažnja je posvećena odabiru materijala koji vrše funkciju termičkog prekida u sklopu sistemskih profila. Na ovaj način su postignute maksimalne termoizolacione karakteristike Uf ⩾1,4W/m²K, odnosno Uw⩾ 0,83W/m²K.

- Aluminijumski profili su proizvedeni postupkom ekstruzije u pogonima Tehnomarket-a. Sirovina za proizvodnju profila je primarna legura aluminijuma sa oznakom AlMgSi0,5 (AA6063 i 6060) i zateznom čvrstoćom profila od minimalno 210KN/mm².
- Poliamidne trake (PA 6,6 sa 25% staklenih vlakana) širine 39mm međusobno spajaju spoljašnje i unutrašnje aluminijumske delove u gotove profile, a pored funkcije mehaničkog spajanja, obezbeđuju i termički prekid. Garantovana sila smicanja spoljnog i unutrašnjeg aluminijumskog profila, povezanih poliamidnim trakama, se kontroliše u toku proizvodnje.
- Pojačana termička svojstva postignuta su dodatno putem sunđerastih ispuna u slobodnim komorama u zoni poliamida, kao i primenom posebne koekstrudirane srednje zaptivke.
- Izolaciona svojstva sistema potvrđena su kroz rezultate ispitivanja toplotnih performansi. Takođe, ispitivanja su urađena i za otpornost na udare vetra, propuštanje vazduha i vode, kao i za zvučnu izolaciju.
- Block sistem odlikuje specifični dizajn profila kako bi se postigao efekat skrivenog krila u prozorskim elementima, kada ne postoji vizuelna razlika između fiksnih i otvorivih polja u prozorskom elementu ili nizu što doprinosi modernom, minimalističnom dizajnu.
- Sistem omogućava ugradnju standardnog okova u EURO 1 žljeb i okova za PVC u EURO 16mm žljeb.
- Sistem podržava ispune uključujući i staklo pakete od 20 do 65mm sa EPDM zaptivkama koje poseduju integrisanu barijeru protiv produvavanja.
- Zaptivanje u zoni spoja štoka i krila je trostruko, preko tri trajno elastične EPDM zaptivke otporne na UV zračenje.
- Spajanje uglova pomoću ekstrudiranih patent spojnica ili spojnica za presovanje obezbeđeno je zatezanjem u svim komorama profila, što obezbeđuje siguran ugaoni spoj i preciznu geometriju gotovih elemenata.
- Kanalisanje kondenza i incidentne vode je regulisano preko slobodnih ravnih površina u komorama, dok je ventilisana spoljna komora duboka 20mm.
- Osnovna spoljašnja dimenzija štoka od 65mm omogućava idealan prihvat vođica roletne i komarnika. Unutrašnja širina štoka obezbeđuje idealan prostor za sabirnik trake roletne.

Technical description

System LINEAL BLOCK THERM 77 is one of eight from LINEAL series and it represents aluminium profile system with thermal break, specially designed for manufacturing of windows with frame depth of 77mm. System is designed to satisfy all contemporary demand for energy efficiency, as well as all other requirements for safe and comfortable living and working environment. Special attention was addressed to selection of materials that for the thermal break within the profile. This way, maximal isolation values of Uf ≥1,40W/m²K, or Uw ≥ 0,83W/m²K, were achieved.

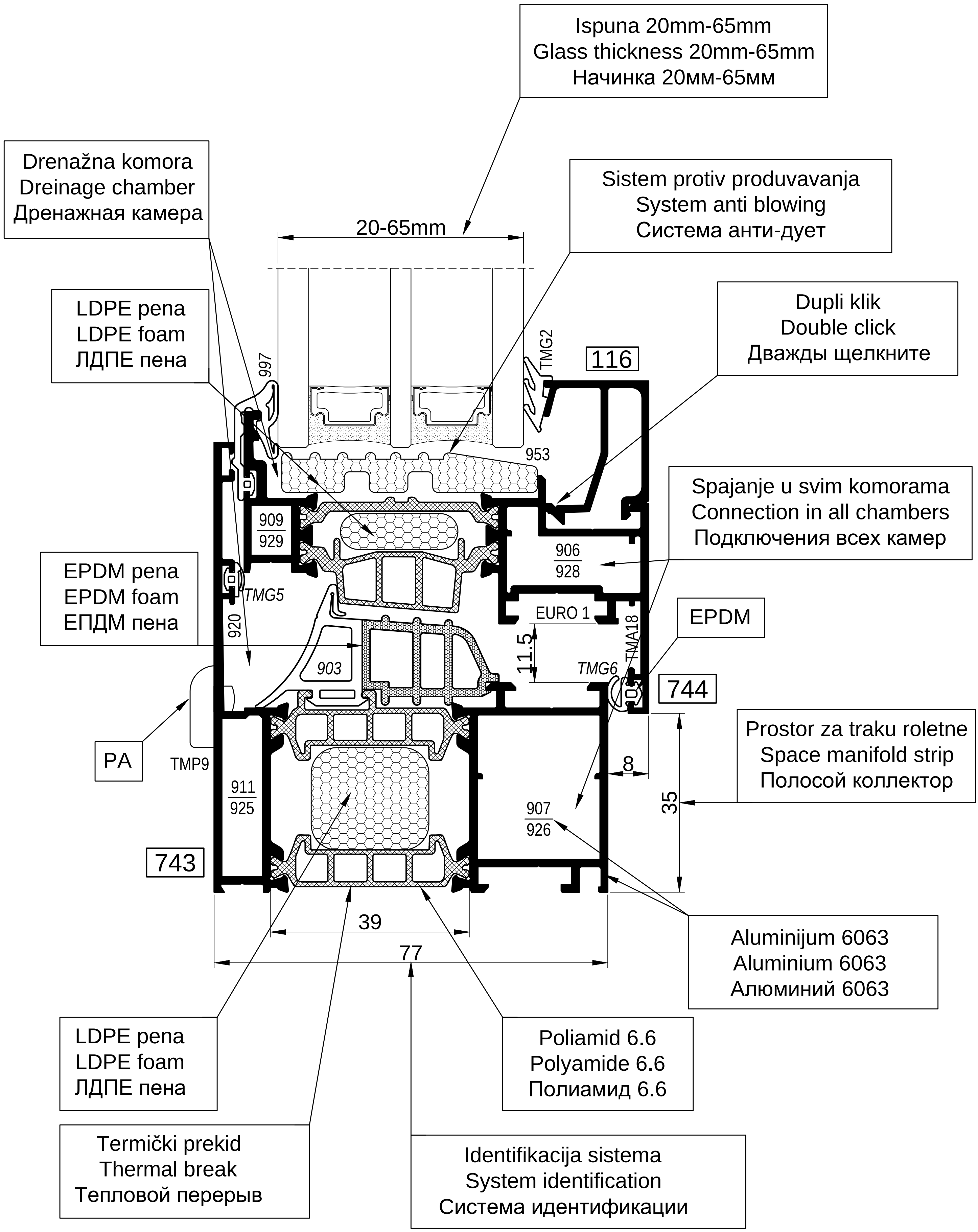
- Aluminium profiles were manufactured in Tehnomarket's own extrusion factory. The raw material used is primary aluminium alloy AlMgSi0.5 (AA6063 and AA 6060) with minimum tensile strength of 210KN/mm².
- 39mm wide Polyamide stripes (PA 6,6 with 25% glass fibers) connect inner and outer aluminium parts into finished profiles, and beside functioning as a mechanical bond they also provide a thermal break. Guaranteed shearing force for profiles connected with polyamide stripes is strictly controlled during production.
- Exceptional thermic performance was achieved with foam - filled chambers in polyamide area, and with special, dual/material co-extruded central gasket.
- Insulating performance of the complete system was confirmed through thermal performance testing. At the same time, wind load, air and water permeability and sound insulation were tested as well.
- Block system features distinctive profile design in order to achieve hidden sash effect in window elements, when there is no visual difference between fixed and opening sashes in window element / row that contributes to modern, minimal design.
- System is compatible with both EURO 1 and EURO 16mm groove standards for hardware installation.
- System allows glass packages from 20 to 65mm with EPDM gaskets that feature integrated anti-blowing barrier.
- The triple sealing between frame and sash is achieved with three separate EPDM gaskets resistant to UV light.
- Corner joining with extruded patent or press clips is achieved through all profile chambers, thus guaranteeing secure and precise joints and finished element geometry.
- Drainage of condensed and incidental water is regulated via free flat surfaces in profile chambers, while ventilated outer chamber features optimal width of 20mm.
- Basic outer frame width of 65mm allows for an ideal mounting surface for optimal placement of mosquito net and roll-shutter's guides. Internal width of the frame provides an ideal space for tape coiler.

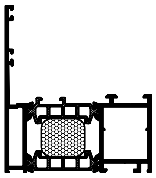
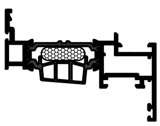
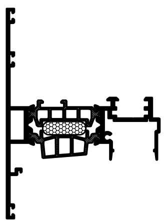
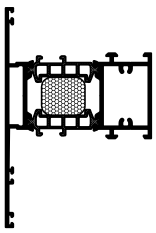
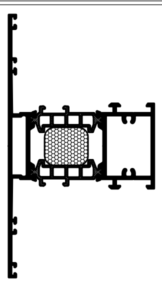
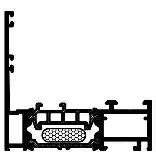
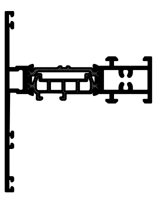
LINEAL BLOCK THERM 77

Техническое описание системы

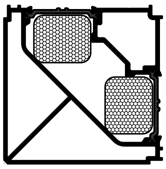
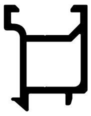
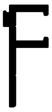
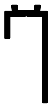
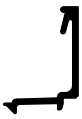
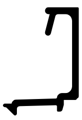
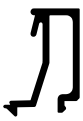
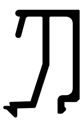
Система LINEAL BLOCK THEPM 77- одна из восьми систем серии LINEAL и представляет систему алюминиевых профилей с термическим разрывом, специально разработанная для производства элементов окон с монтажной глубиной косяка от 77мм. Система разработанна для удовлетворения современных требований в области энергоэффективности, а также и других необходимых условия для безопасного и комфортного рабочего и жилого пространства. При проектировании элементов системы, особое внимание было уделено выбору материалов, которые выполняют функцию теплового разрыва внутри профиля. Таким образом, достигнуты максимальные теплоизоляционные свойства Uf ≥ 1,40W/м²K и Uw ≥ 0,83W/м²K.

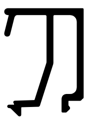
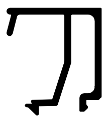
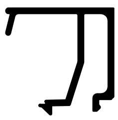
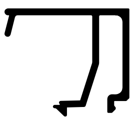
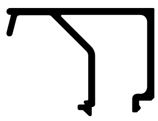
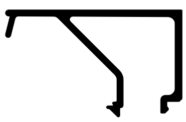
- Алюминиевые профили изготовлены способом экструзии в производственных цехах Техномаркета. Сырьем для производства профилей является первичный алюминиевый сплав с обозначением AlMgSi0,5 (AA6063 и 6060) и с минимальной прочностью на разрыв профиля 210KN/мм².
- Полиамидные полоски (PA 6,6 с 25% стекловолокна) шириной 39мм и сотовые мульти камерные структуры взаимосвязывают внешние и внутренние алюминиевые части в готовых профилях. Кроме функции механического соединения обеспечивают и тепловой разрыв. Гарантированная сила сдвига внешнего и внутреннего алюминиевого профиля, которые связаны полиамидными полосками, контролируется в процессе производства.
- Усиление термических свойств, достигается дополнительно путем губчатых заполнений в свободных камерах в зоне полиамида, как и применением отдельной коэкструдированной средней прокладки.
- Изоляционные свойства системы потверждены результатами испытаний тепловых характеристик. Кроме того, были проведены испытания устойчивости на удары ветра, пропуск воздуха и воды, как и звукоизоляции.
- Блок система имеет особый дизайн профиля для достижения эффекта скрытой створки в элементах окна, когда нет визуальной разницы между фиксированными и открытыми полями в элементе или серии окон, что способствует современному минималистскому дизайну.
- Система позволяет установку установку стандартной фурнитуры в EURO 1 желоб и фурнитуры для ПВХ в EURO 16мм желоб.
- Система поддерживает и заполнения, включая и стеклопакеты от 20 до 65мм, с EPDM прокладками, которые имеют интегрированный барьер против выдувания.
- Уплотнение в зонах соединений косяка и створки - тройное, с тремя постоянно упругими прокладками EPDM, которые устойчивы к UV-излучению.
- Сцепление углов, с помощью экструдированных сцепных устройств или сцепных устройств для прессовки, обеспеченное затяжкой во всех камерах профиля, что обеспечивает недежное соединение углов и точную геометрию готовых элементов.
- Направление конденсации и случайных вод регулируется через свободные ровные поверхности в камерах, в то время как вентилируемая внешная камера имеет глубину 20мм.
- Основной внешний размер косяка от 65мм позволяет идеальный прием направляющей жалюзи и противомоскитных сеток. Внутренняя ширина косяка обеспечивает идеальное место для коллектора полосок жалюзи.

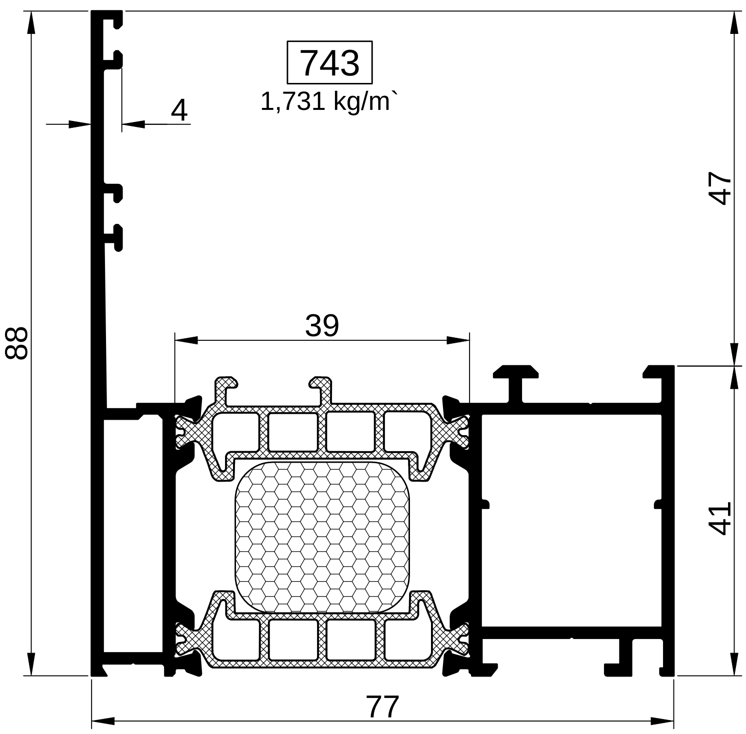

Ispuna 20mm-65mm
Glass thickness 20mm-65mm
Начинка 20мм-65мм
Drenažna komora
Dreinage chamber
Дренажная камера
20-65mm
Sistem protiv produvavanja
System anti blowing
Система анти-дует
LDPE pena
LDPE foam
ЛДПЕ пена
Dupli klik
Double click
Дважды щелкните
997
TMG2
116
953
909
929
Spajanje u svim komorama
Connection in all chambers
Подключения всех камер
906
928
EPDM pena
EPDM foam
ЕПДМ пена
TMG5
920
EURO 1
EPDM
11.5
TMA18
903
TMG6
744
PA
TMP9
Prostor za traku roletne
Space manifold strip
Полосой коллектор
8
911
925
907
926
35
743
39
77
Aluminijum 6063
Aluminium 6063
Алюминий 6063
LDPE pena
LDPE foam
ЛДПЕ пена
Poliamid 6.6
Polyamide 6.6
Полиамид 6.6
Termički prekid
Thermal break
Тепловой перерыв
Identifikacija sistema
System identification
Система идентификации

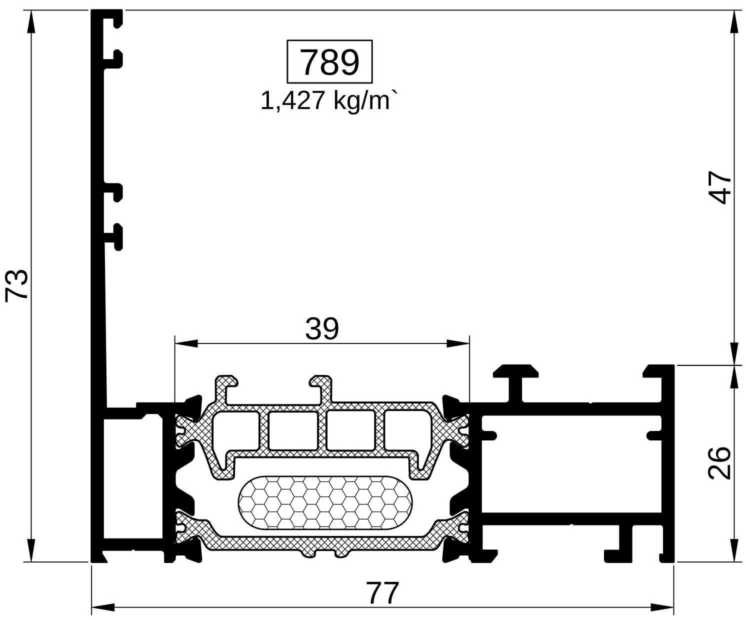
	Oznaka / Mark / Марк	Opis / Description / Описание	cm⁴ Ix / Iy			a / a	b / b
	743	Štok	50,06	911	907	920	-
		Frame					
	1,731	Рама	18,05	925	926	920	-
	744	Prozorsko krilo - EURO 1	33,91	909	906	-	TMA18
		Casement -EURO 1					
	1,296	Оконная створка -ЕУРО 1	2,99	929	928	-	TMA18
	745	Veza dvokrilnog prozora - EURO 1	41,34	-	-	-	-
		French casement adaptor -EURO 1					
	1,658	Соединительный профиль двойног окна -ЕУРО 1	24,23	-	-	-	-
	746	Prečka u štoku	54,83	-	-	934 x2	-
		T profile in frame					
	1,955	T профиль в раме	31,25	-	-	934 x2	-
	747	Prečka u štoku	55,78	-	-	934 x2	-
		T profile in frame					
	2,086	T профиль в раме	50,73	-	-	934 x2	-
	789	Štok	40,32	943	906	920	-
		Frame					
	1,427	Рама	9,75	944	928	920	-
	791	Prečka u štoku	41,03	-	-	934 x2	-
		T profile in frame					
	1,471	T профиль в раме	14,86	-	-	934 x2	-

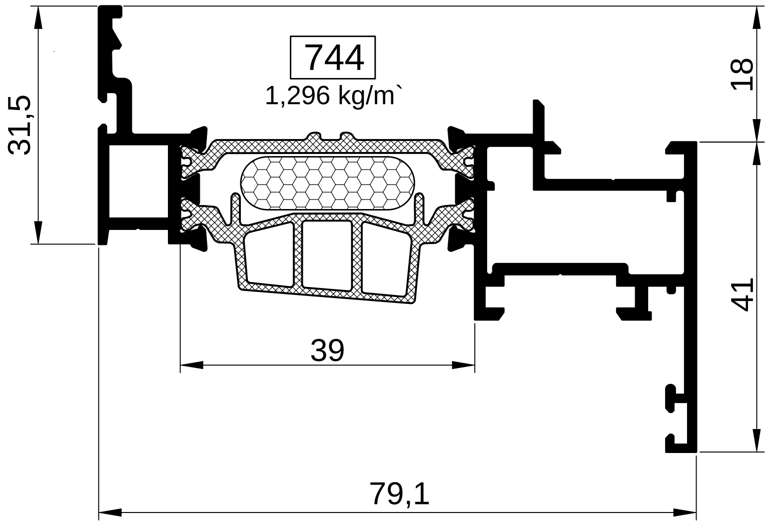
kg/m'

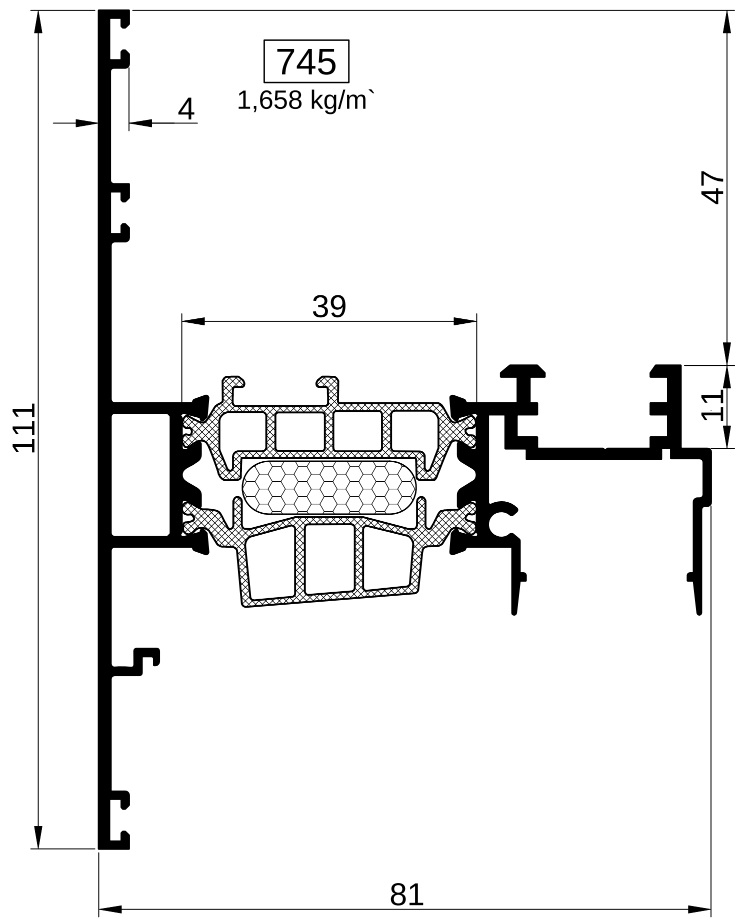
	Oznaka Mark Марк kg/m`	Opis Description Описание	x cm4 y Ix Iy			a a	b b
	729 2,440	Ugaoni profil -90° Angle connector -90° Угловой профиль - 90º	65,47 61,97	- -	- -	- -	- -
	128 0,346	Dodatni profil Additional profile Дополнительный профиль	- -	- -	- -	- -	- -
	126 0,193	Profil za spoj Profile for the connection Профиль для связи	- -	- -	- -	- -	- -
	110 0,119	Opšivni profil Casing profile Обшивка	- -	- -	- -	- -	- -
	TM33 0,152	Pogonska letva Mechanism rod Стержень для механизма	- -	- -	- -	- -	- -
	124 0,200	Držač stakla - 4,5mm Glazing bead - 4,5mm Подстаканник - 4,5мм	- -	- -	- -	- -	- -
	123 0,211	Držač stakla - 8,5mm Glazing bead - 8,5mm Подстаканник - 8,5мм	- -	- -	- -	- -	- -
	122 0,296	Držač stakla - 12,5mm Glazing bead - 12,5mm Подстаканник - 12,5мм	- -	- -	- -	- -	- -
	106 0,302	Držač stakla -16,5mm Glazing bead -16,5mm Подстаканник -16,5мм	- -	- -	- -	- -	- -

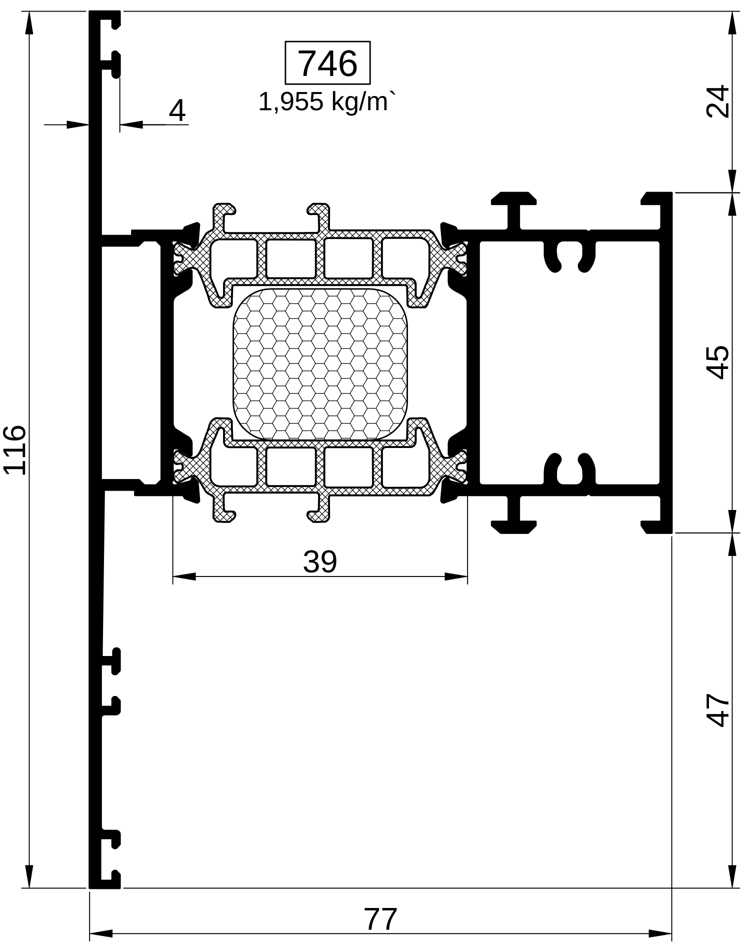
	Oznaka Mark Марк	Opis Description Описание	cm⁴ Ix			a	b
	kg/m'		Iy			a	b
	116	Držač stakla -20,5mm Glazing bead -20,5mm	-	-	-	-	-
	0,320	Подстаканник -20,5мм	-	-	-	-	-
	100	Držač stakla -24,5mm Glazing bead -24,5mm	-	-	-	-	-
	0,330	Подстаканник -24,5мм	-	-	-	-	-
	117	Držač stakla -28,5mm Glazing bead -28,5mm	-	-	-	-	-
	0,348	Подстаканник -28,5мм	-	-	-	-	-
	101	Držač stakla -32,5mm Glazing bead -32,5mm	-	-	-	-	-
	0,359	Подстаканник -32,5мм	-	-	-	-	-
	108	Držač stakla -38,5mm Glazing bead -38,5mm	-	-	-	-	-
	0,393	Подстаканник -38,5мм	-	-	-	-	-
	107	Držač stakla -46,5mm Glazing bead -46,5mm	-	-	-	-	-
	0,447	Подстаканник -46,5мм	-	-	-	-	-

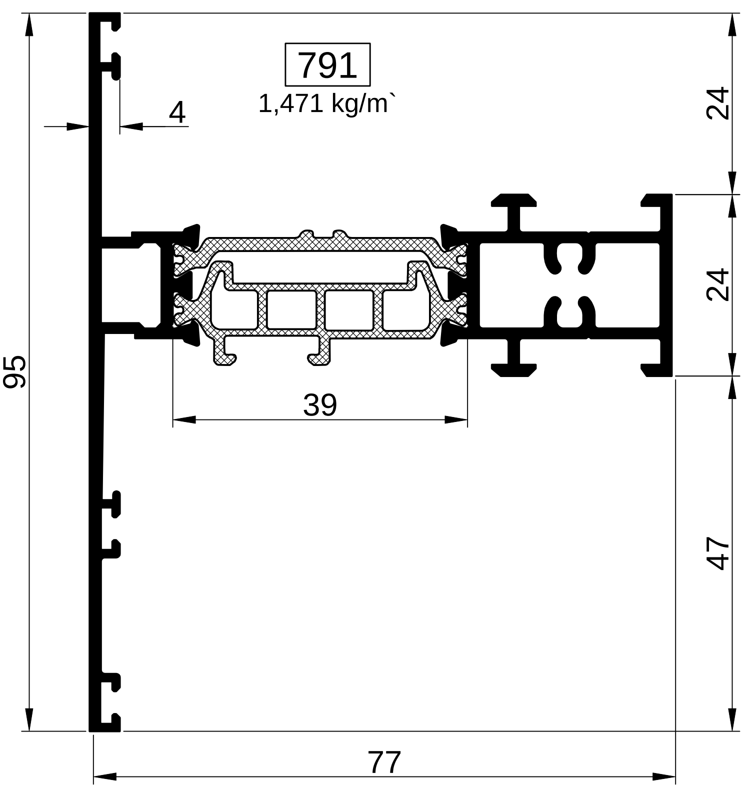

743
1,731 kg/m`
4
47
88
39
41
77


789
1,427 kg/m`
47
73
39
26
77

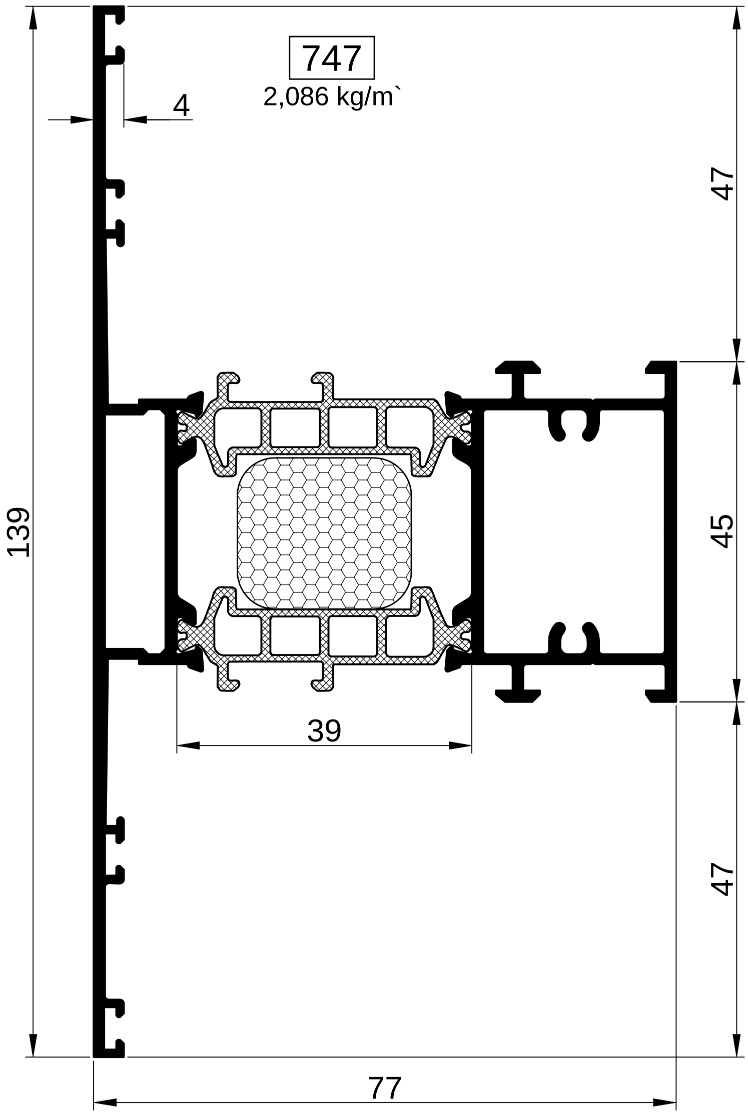

744
1,296 kg/m`
31,5
18
41
39
79,1


745
1,658 kg/m`
4
47
39
11
111
81

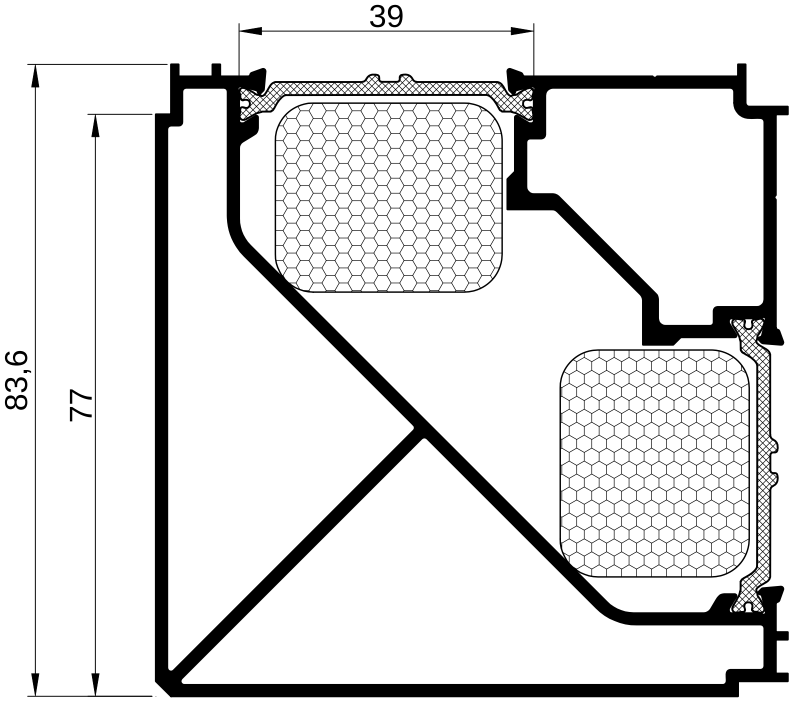

746
1,955 kg/m`
4
24
45
47
116
39
77

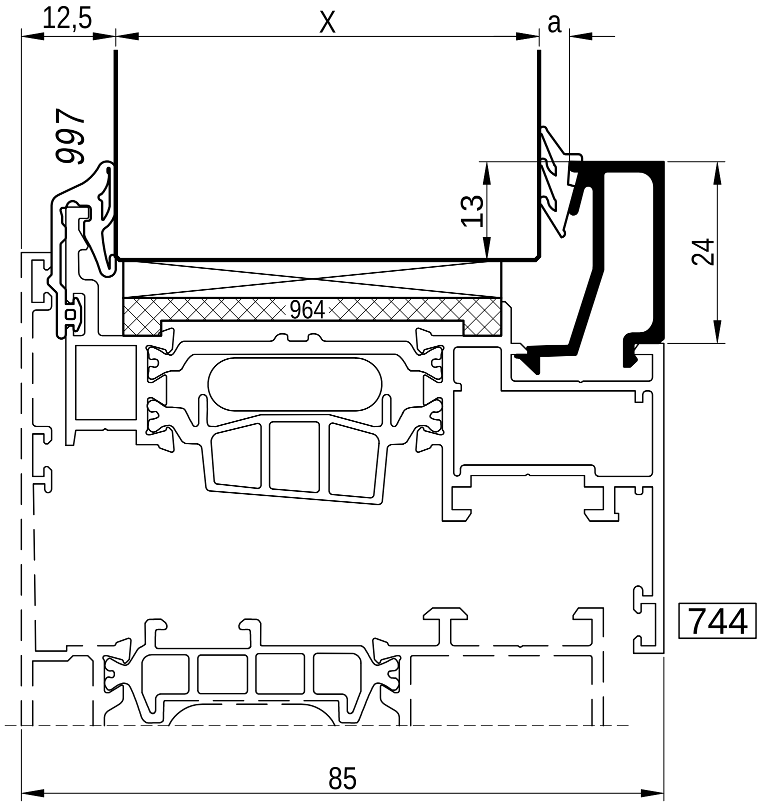

791
1,471 kg/m`
4
24
24
47
95
39
77

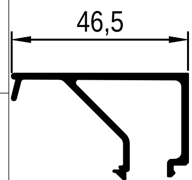
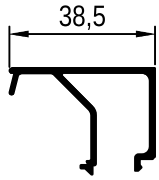
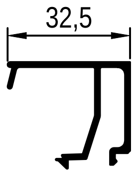
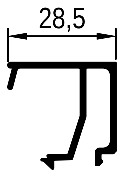
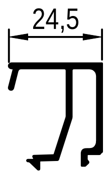
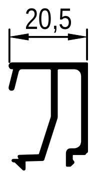
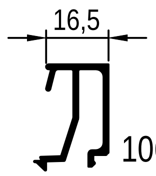
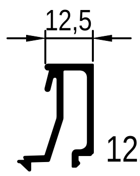
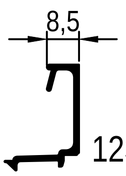
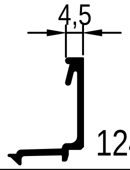
747
2,086 kg/m`

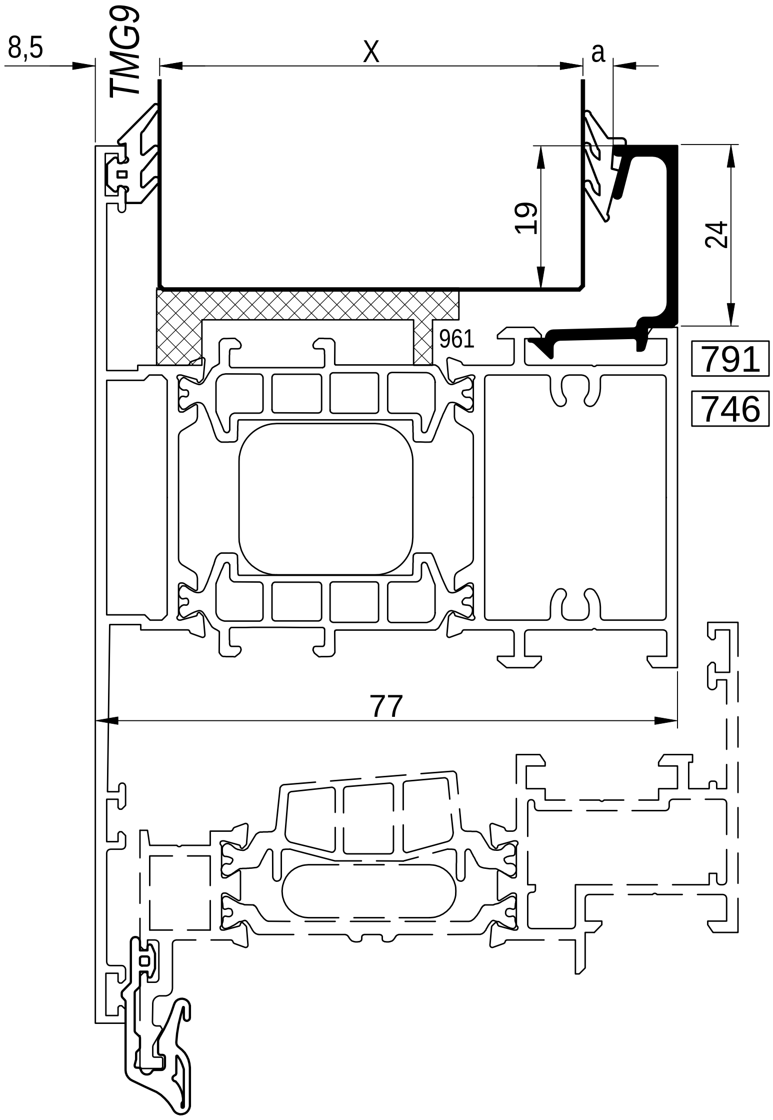


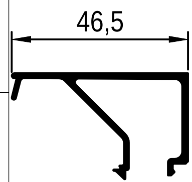
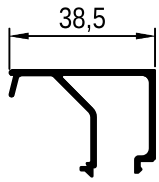
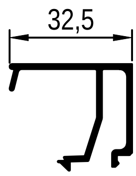
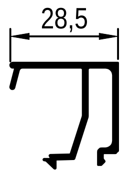
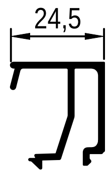
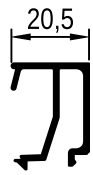
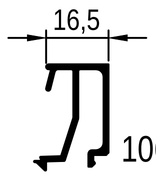
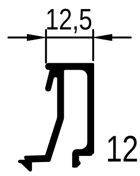
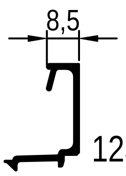
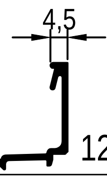
729
2,440 kg/m`

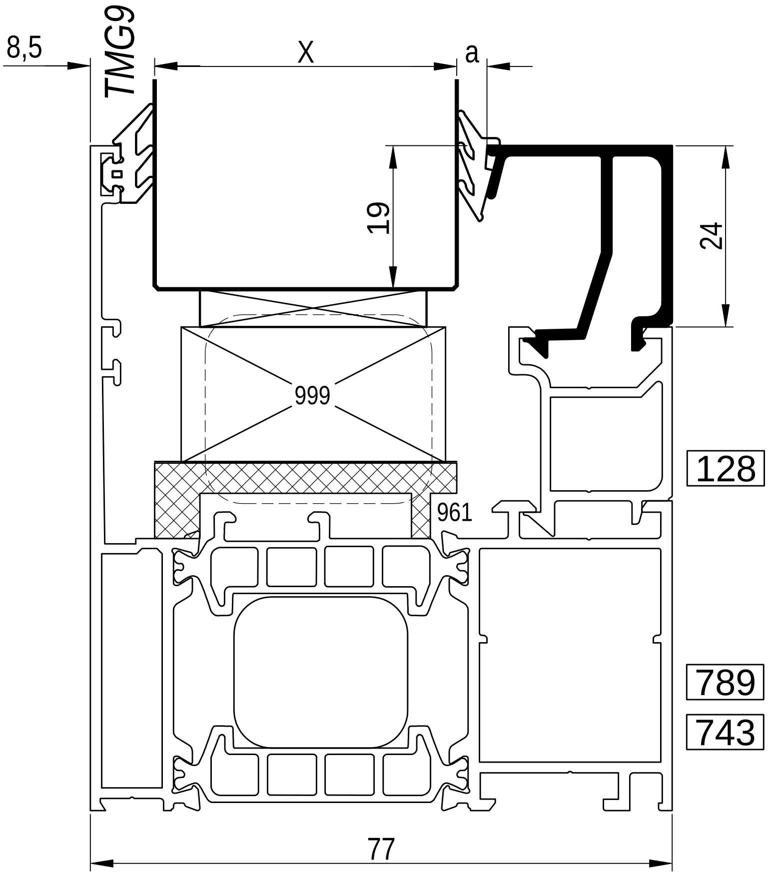




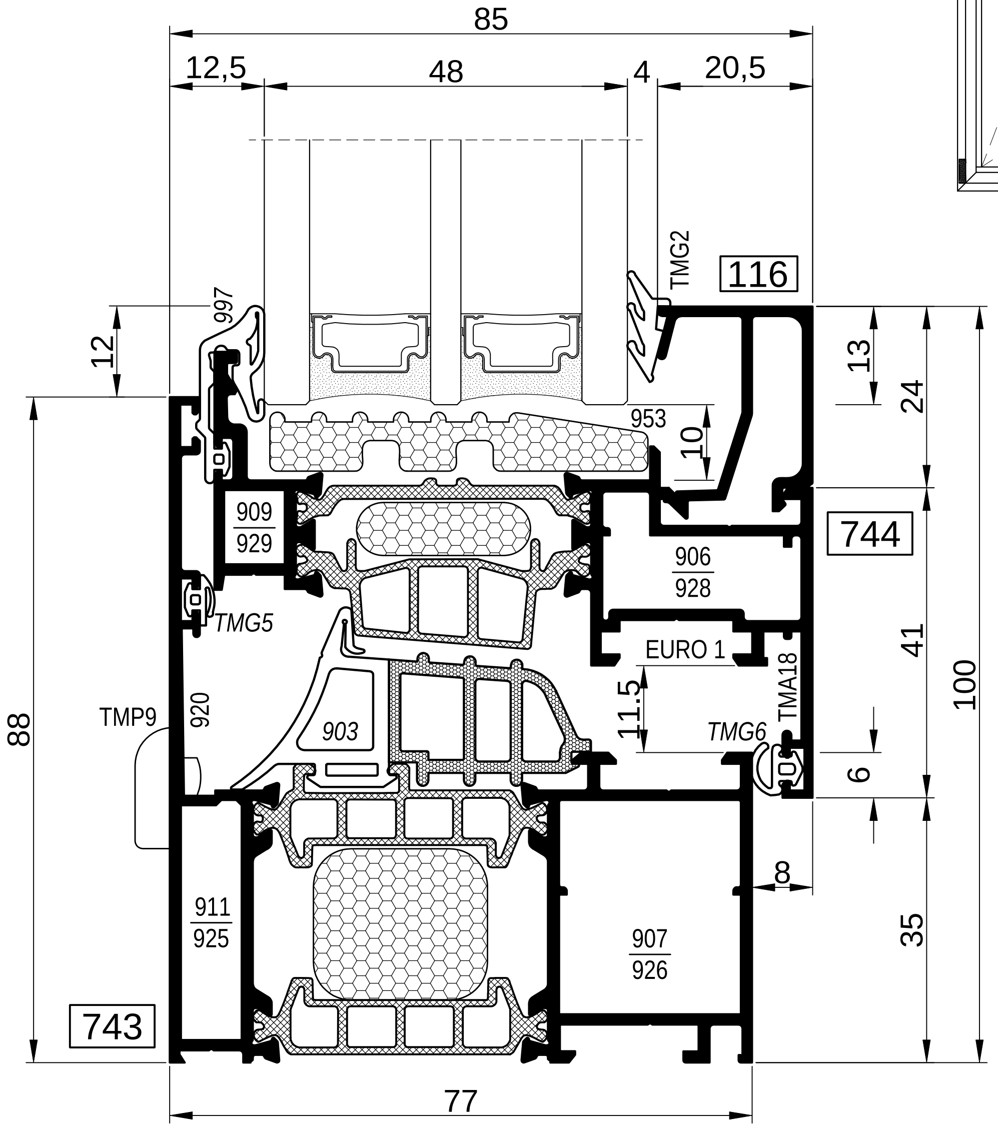
Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
20 - 21	TMG3	6 - 5	 107
22 - 23	TMG2	4 - 3	
28 - 29	TMG3	6 - 5	 108
30 - 31	TMG2	4 - 3	
34 - 35	TMG3	6 - 5	 101
36 - 37	TMG2	4 - 3	
38 - 39	TMG3	6 - 5	 117
40 - 41	TMG2	4 - 3	
42 - 43	TMG3	6 - 5	 100
44 - 45	TMG2	4 - 3	
46 - 47	TMG3	6 - 5	 116
48 - 49	TMG2	4 - 3	
50 - 51	TMG3	6 - 5	 106
52 - 53	TMG2	4 - 3	
54 - 55	TMG3	6 - 5	 122
56 - 57	TMG2	4 - 3	
58 - 59	TMG3	6 - 5	 123
60 - 61	TMG2	4 - 3	
62 - 63	TMG3	6 - 5	 124
64 - 65	TMG2	4 - 3	



Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
16 - 17	TMG3	6 - 5	 107
18 - 19	TMG2	4 - 3	
24 - 25	TMG3	6 - 5	 108
26 - 27	TMG2	4 - 3	
30 - 31	TMG3	6 - 5	 101
32 - 33	TMG2	4 - 3	
34 - 35	TMG3	6 - 5	 117
36 - 37	TMG2	4 - 3	
38 - 39	TMG3	6 - 5	 100
40 - 41	TMG2	4 - 3	
42 - 43	TMG3	6 - 5	 116
44 - 45	TMG2	4 - 3	
46 - 47	TMG3	6 - 5	 106
48 - 49	TMG2	4 - 3	
50 - 51	TMG3	6 - 5	 122
52 - 53	TMG2	4 - 3	
54 - 55	TMG3	6 - 5	 123
56 - 57	TMG2	4 - 3	
58 - 59	TMG3	6 - 5	 124
60 - 61	TMG2	4 - 3	



Thickness Толщина X (mm)	Unutrašnja zaptivka Internal gasket Внутренняя прокладка	a (mm)	Držač stakla Glazing bead Подстаканник
16 - 17	TMG3	6 - 5	46,5
18 - 19	TMG2	4 - 3	107
24 - 25	TMG3	6 - 5	38,5
26 - 27	TMG2	4 - 3	108
30 - 31	TMG3	6 - 5	32,5
32 - 33	TMG2	4 - 3	101
34 - 35	TMG3	6 - 5	28,5
36 - 37	TMG2	4 - 3	117
38 - 39	TMG3	6 - 5	24,5
40 - 41	TMG2	4 - 3	100
42 - 43	TMG3	6 - 5	20,5
44 - 45	TMG2	4 - 3	116
46 - 47	TMG3	6 - 5	16,5
48 - 49	TMG2	4 - 3	106
50 - 51	TMG3	6 - 5	12,5
52 - 53	TMG2	4 - 3	122
54 - 55	TMG3	6 - 5	8,5
56 - 57	TMG2	4 - 3	123
58 - 59	TMG3	6 - 5	4,5
60 - 61	TMG2	4 - 3	124


85
12,5
48
4
20,5
997
TMG2
116
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744
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TMG5
EURO 1
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11,5
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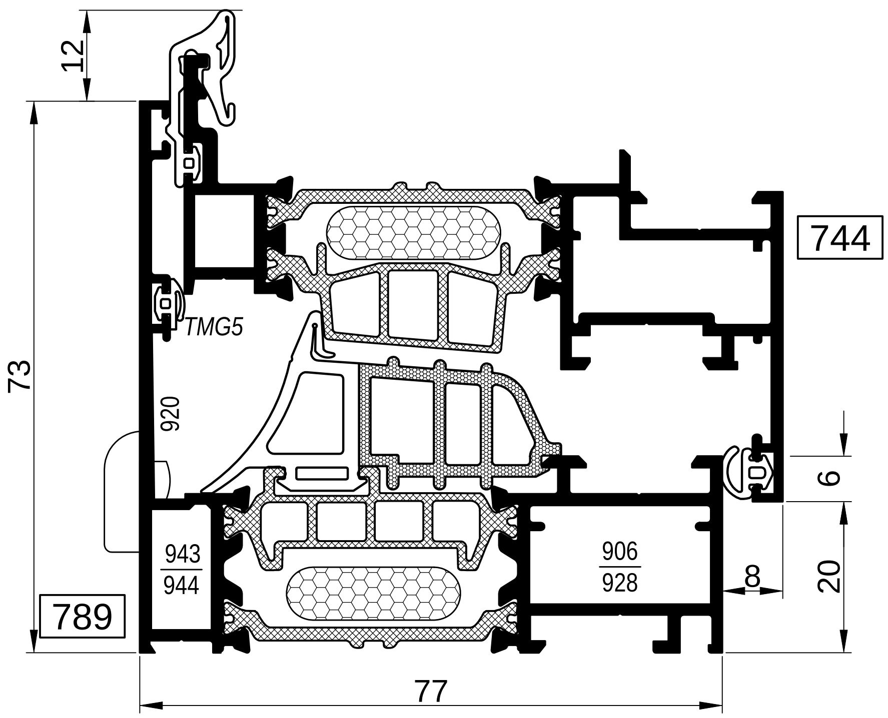
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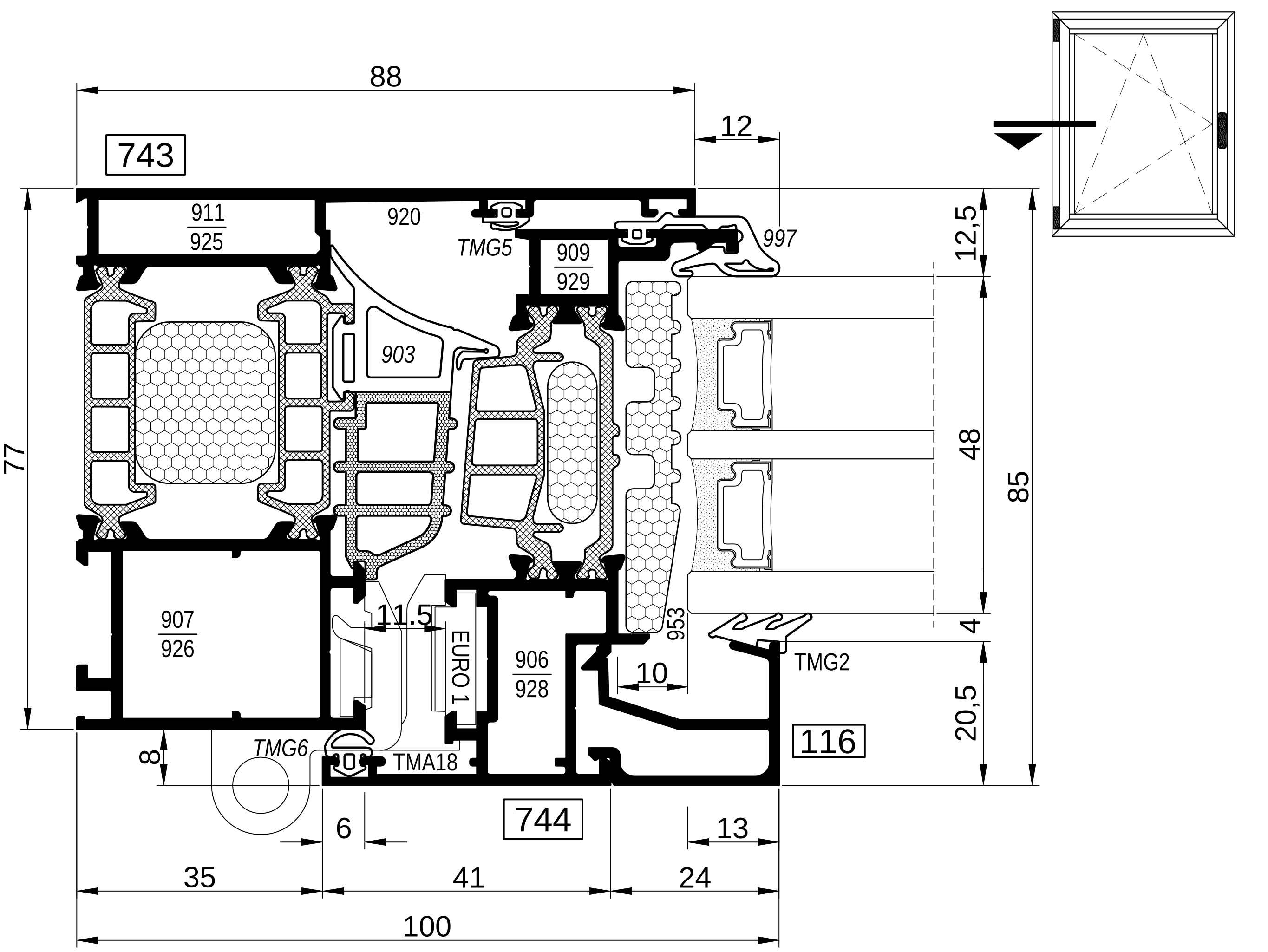
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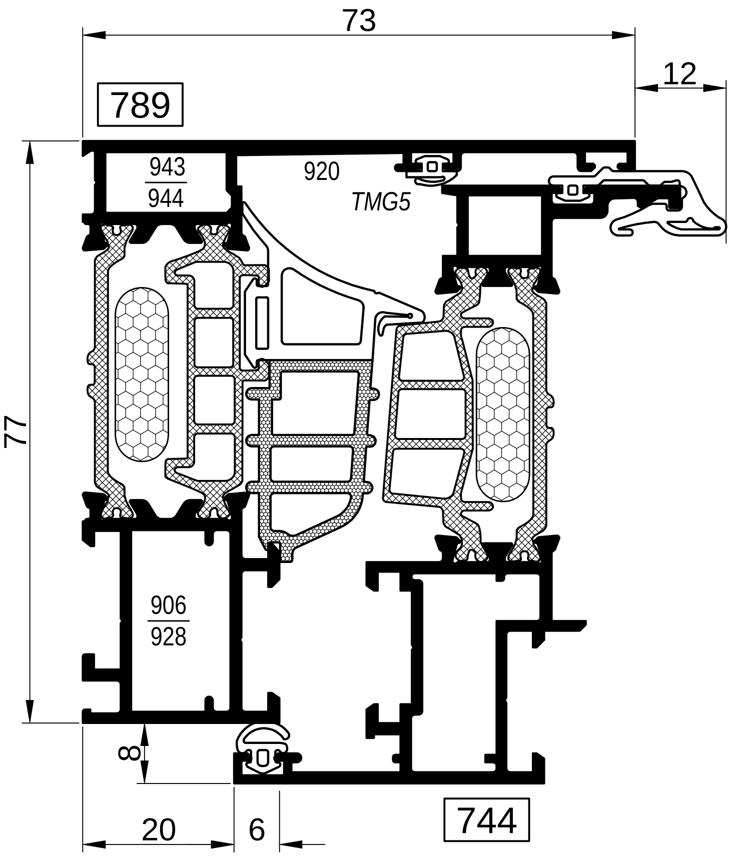
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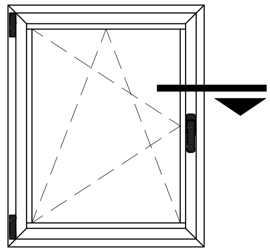

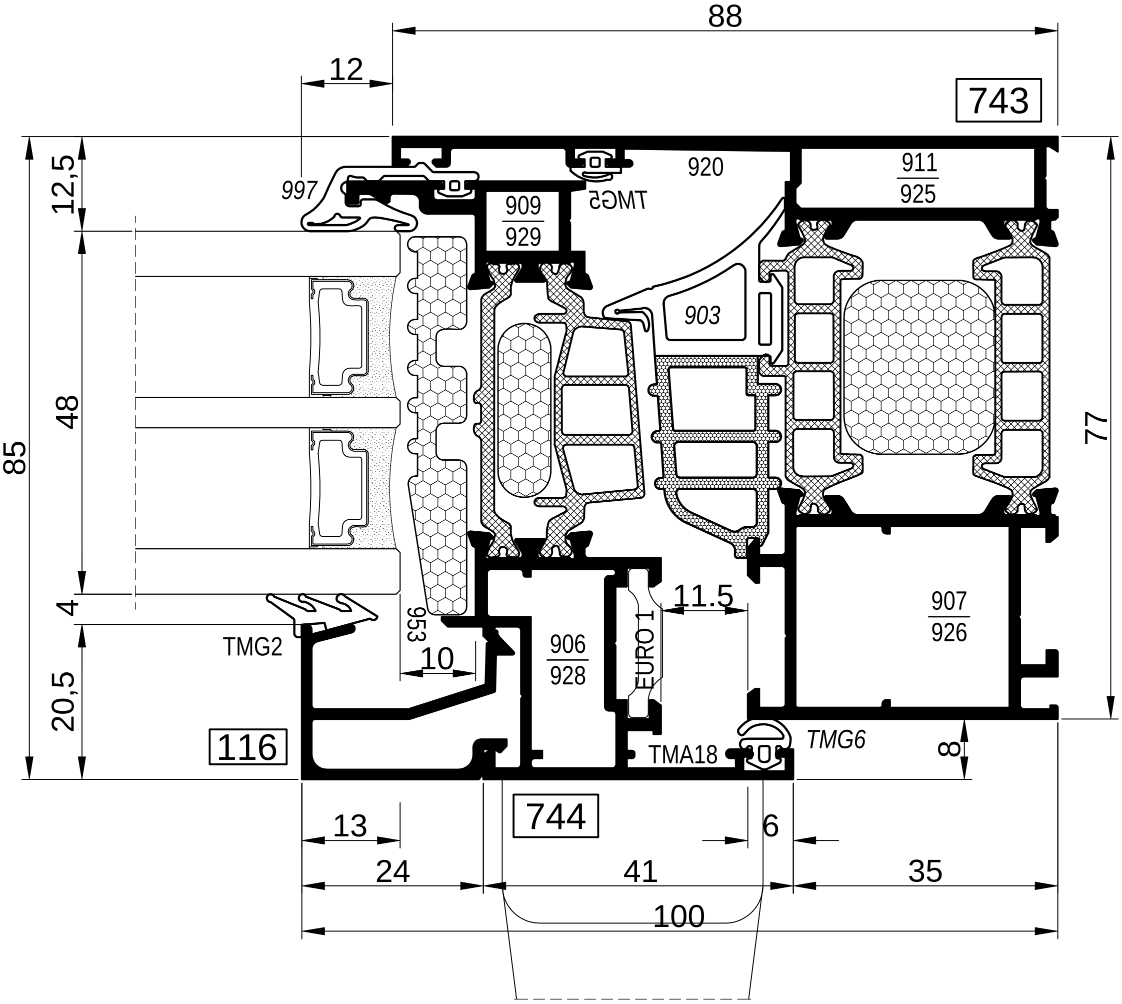
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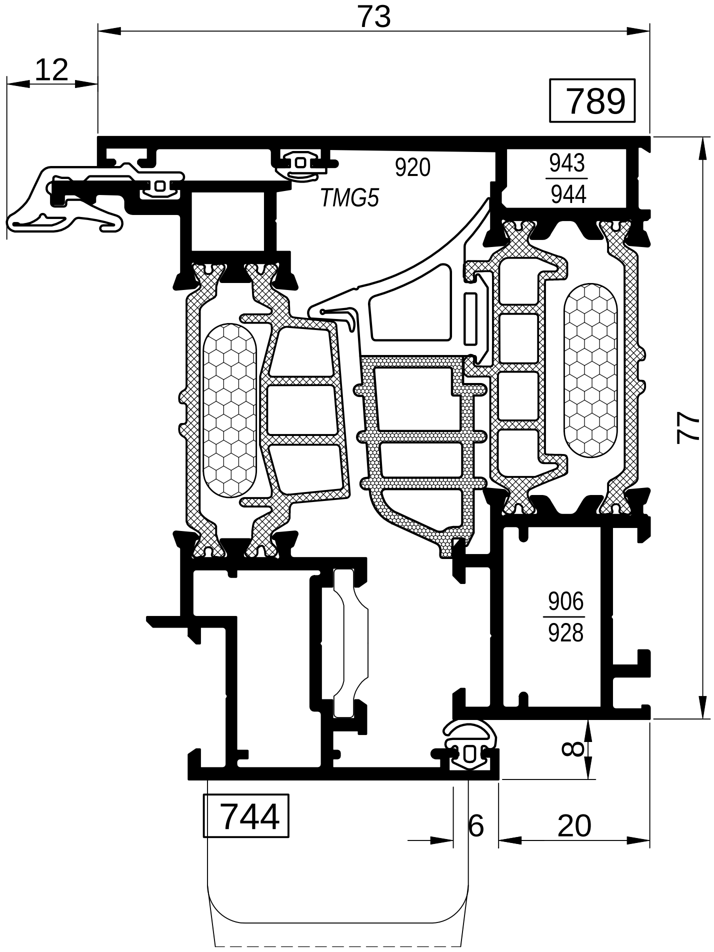
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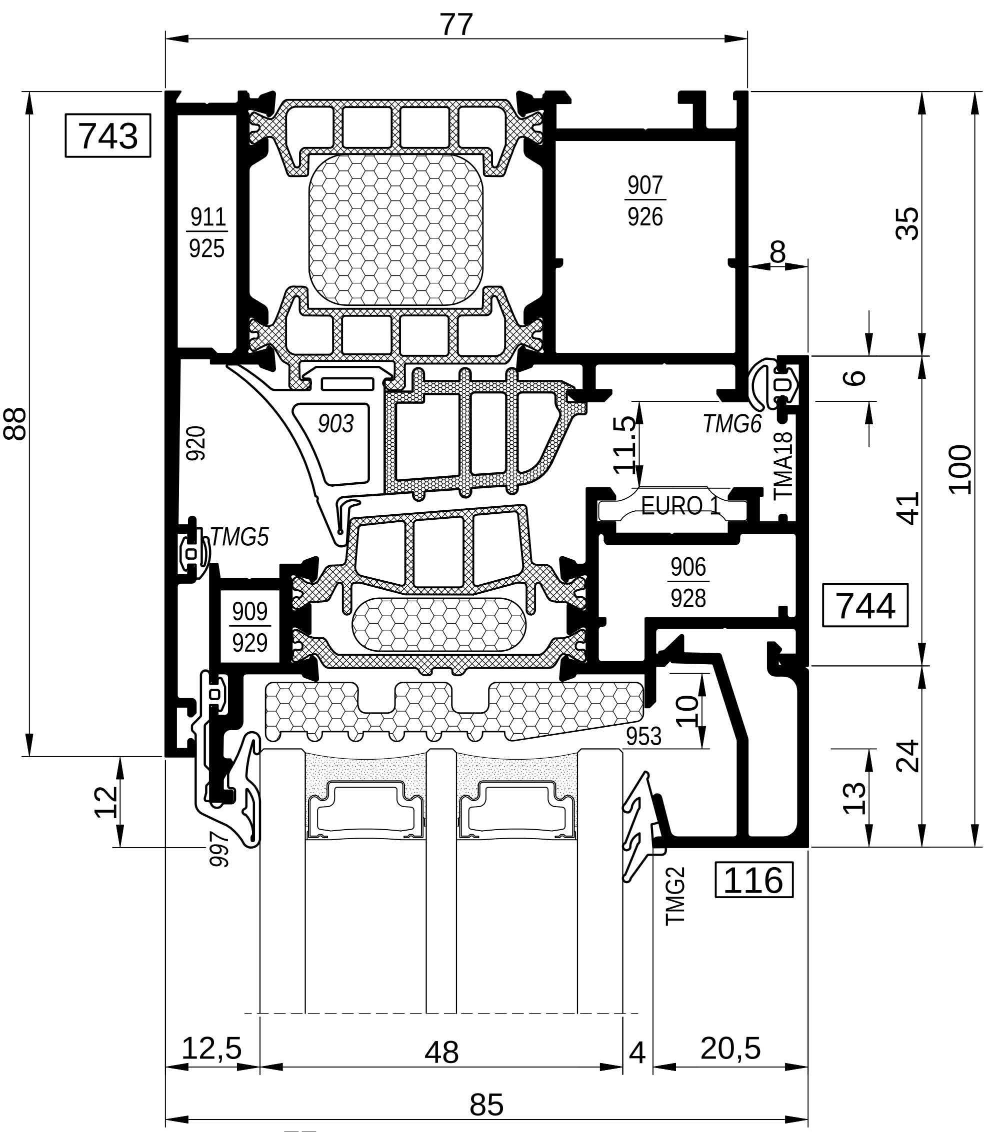
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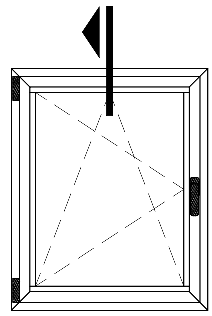

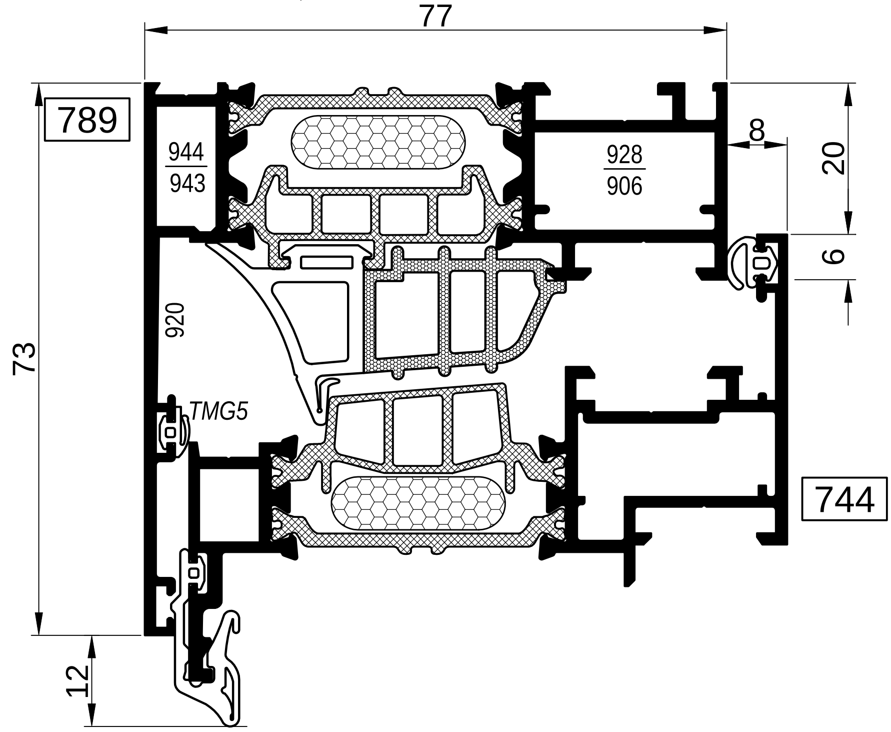
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TMG5
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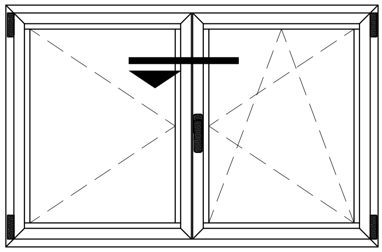

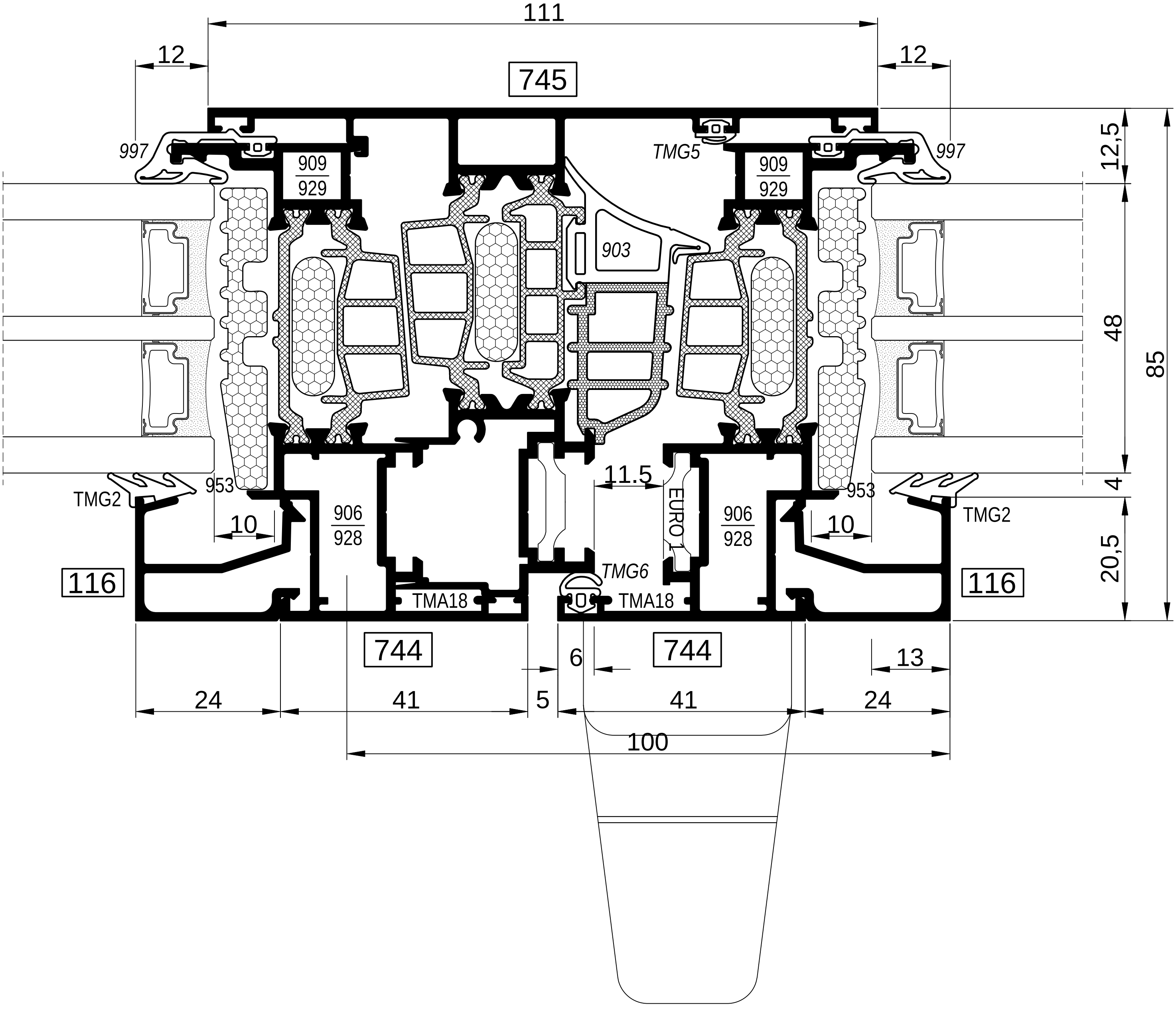
111
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TMA18
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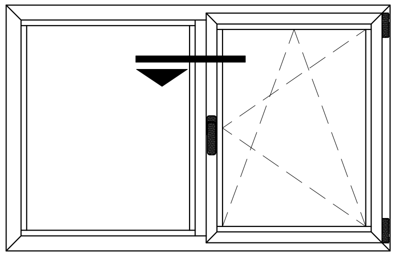

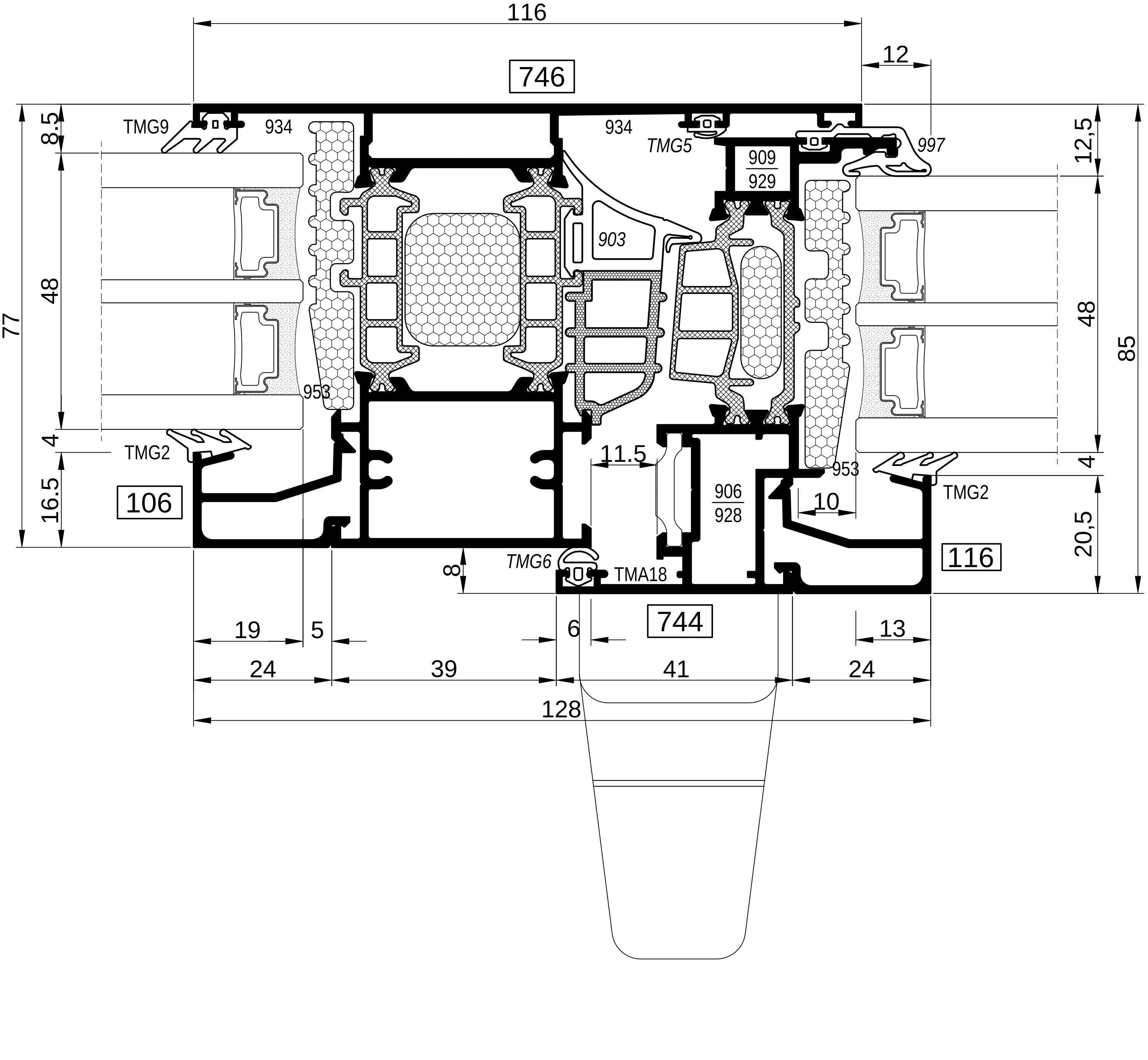
116
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TMG9
TMG5
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TMG2
TMG2
11.5
906
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116
TMG6
TMA18
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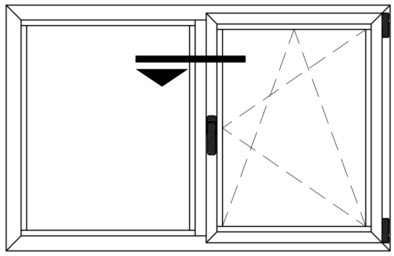
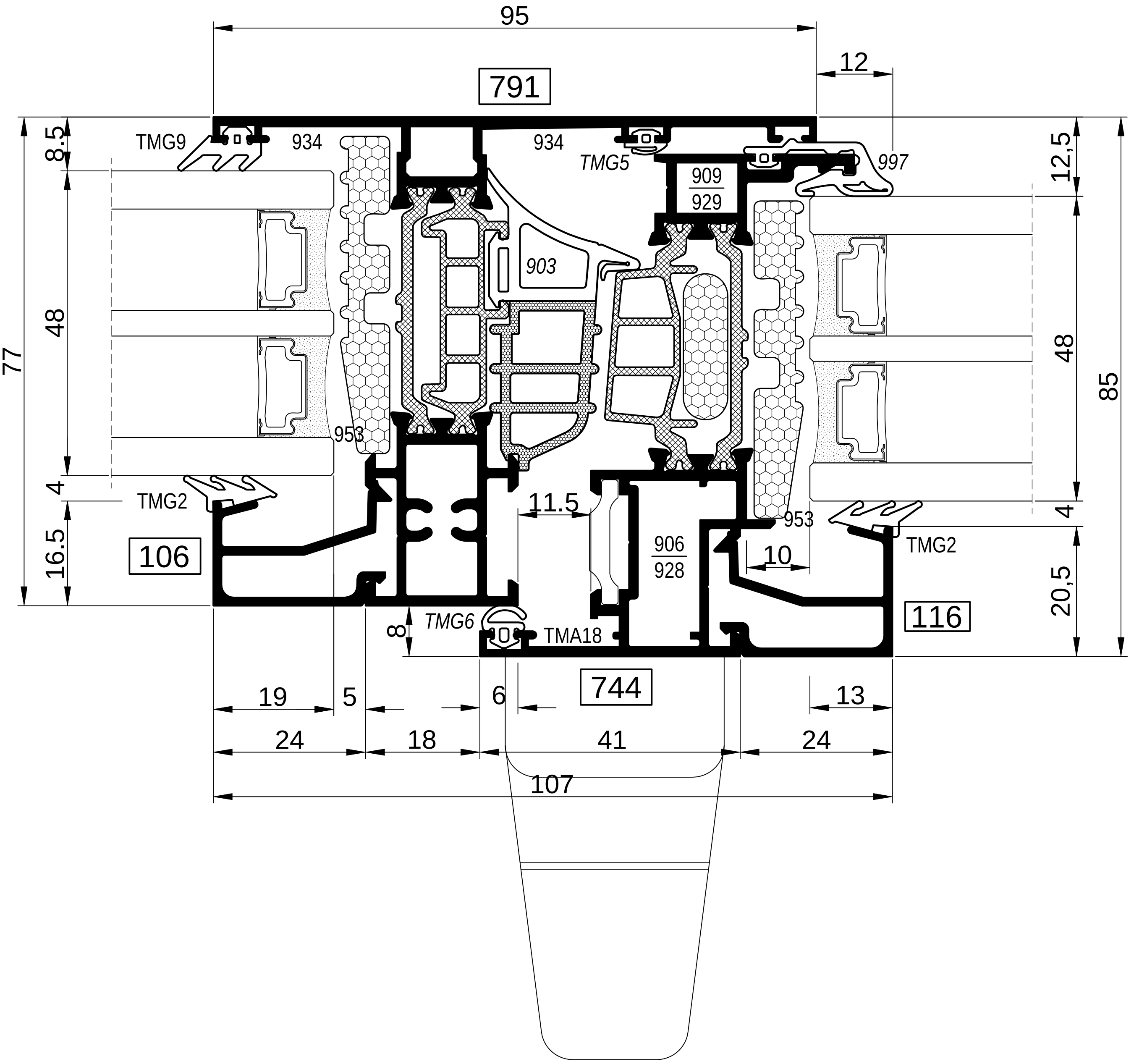
41
24
128




95
12
791
TMG9
934
934
TMG5
909
929
997
903
953
953
TMG2
TMG2
106
116
906
928
11.5
10
TMG6
TMA18
744
8.5
48
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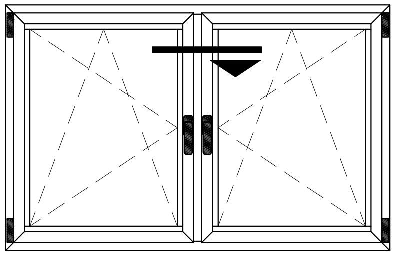

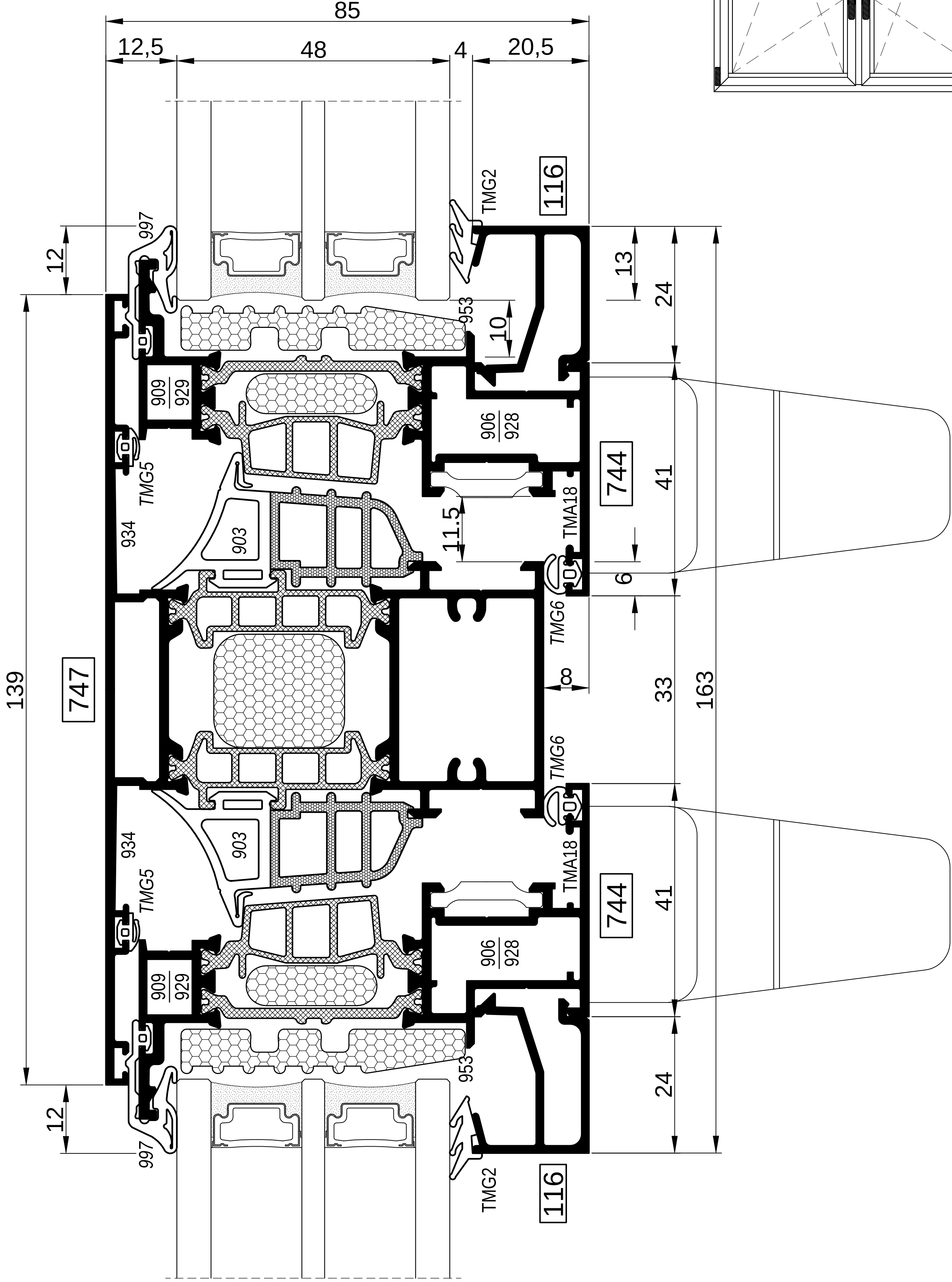
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TMA18
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TMG6
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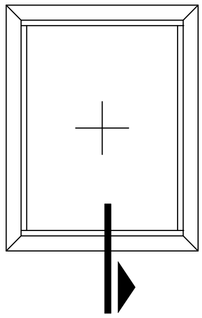
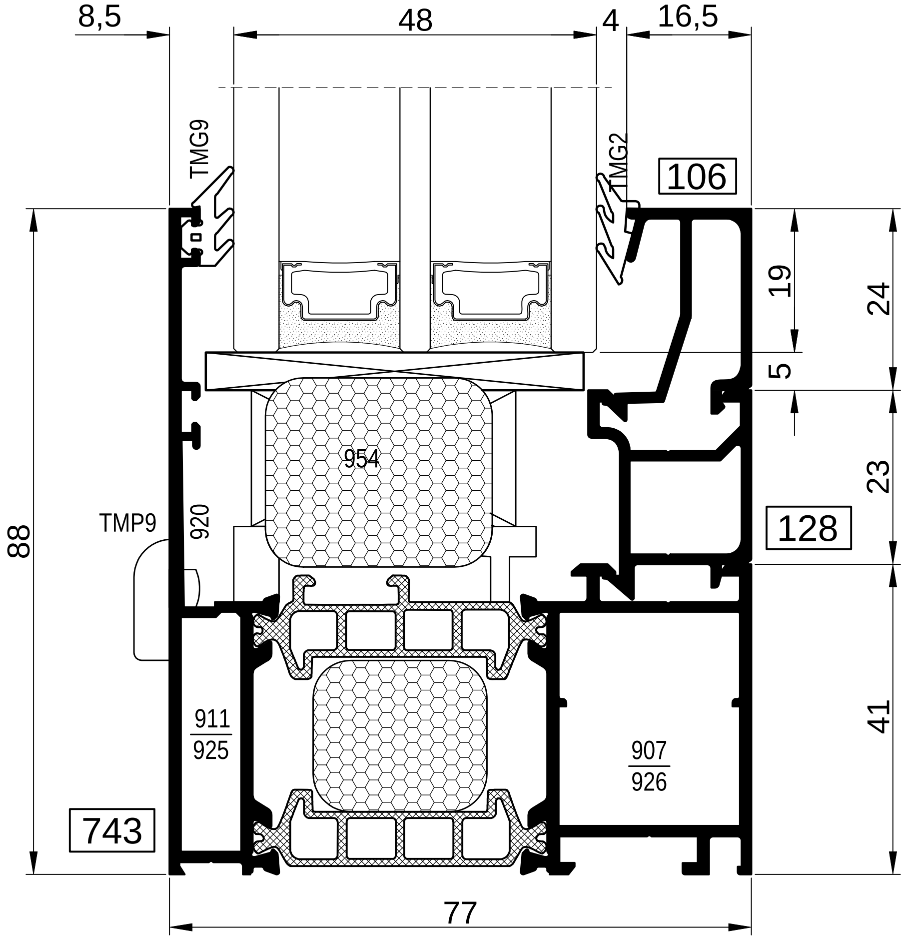
33
163

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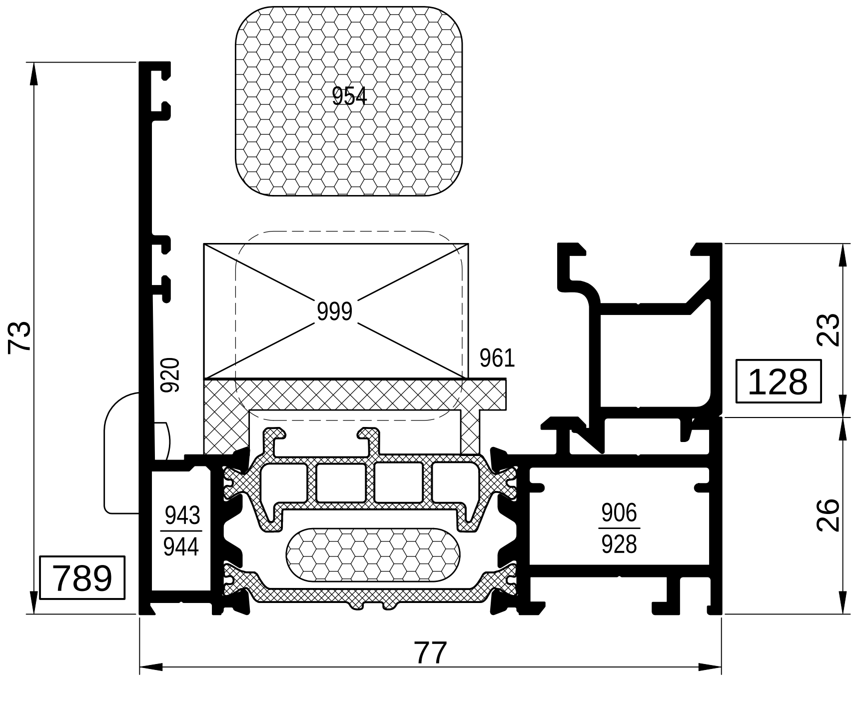
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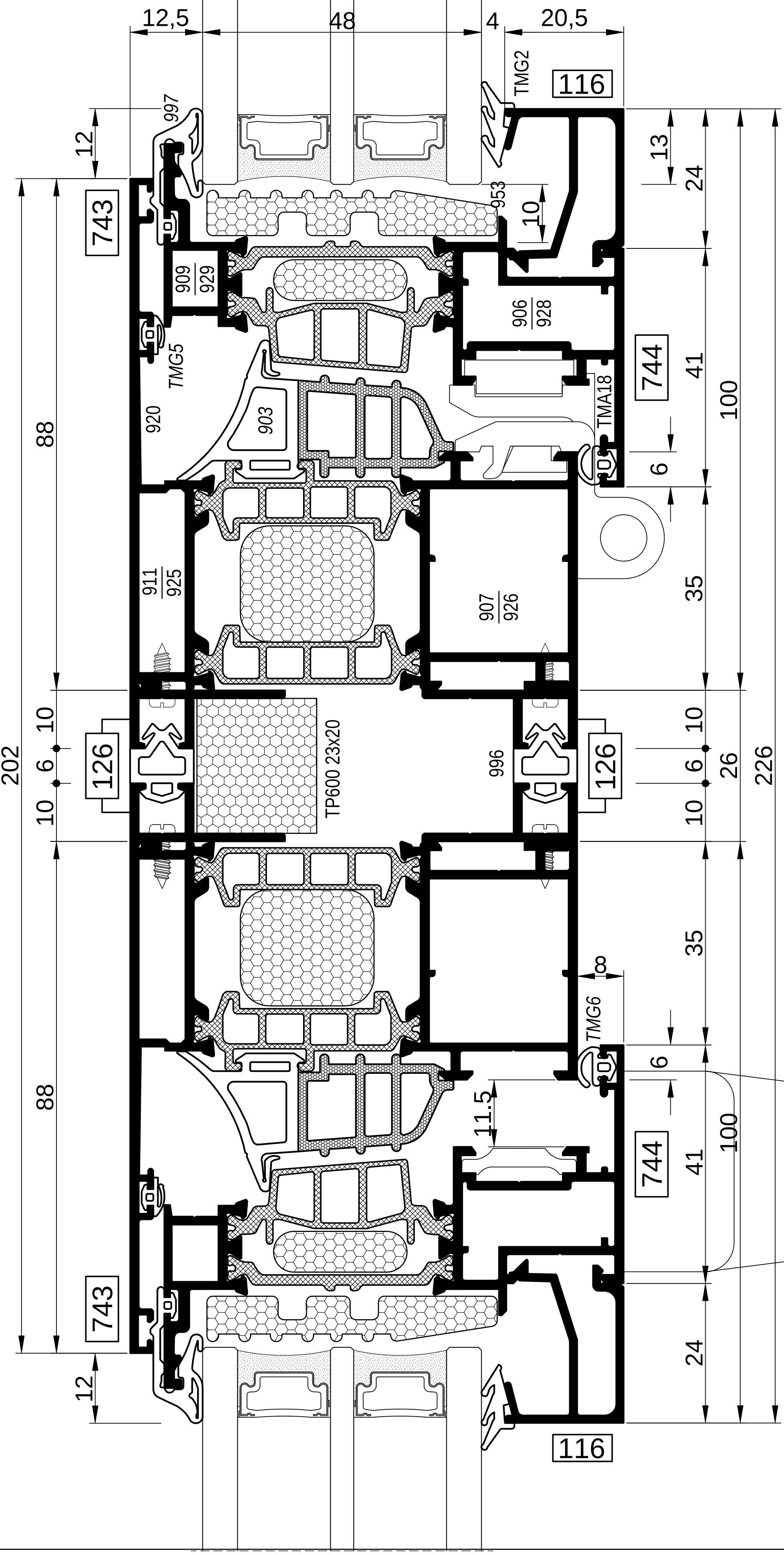
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TMA18
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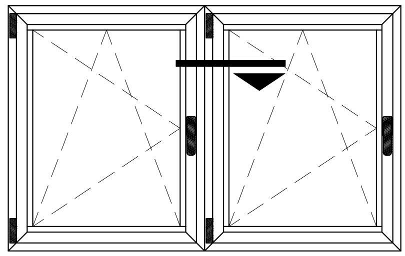
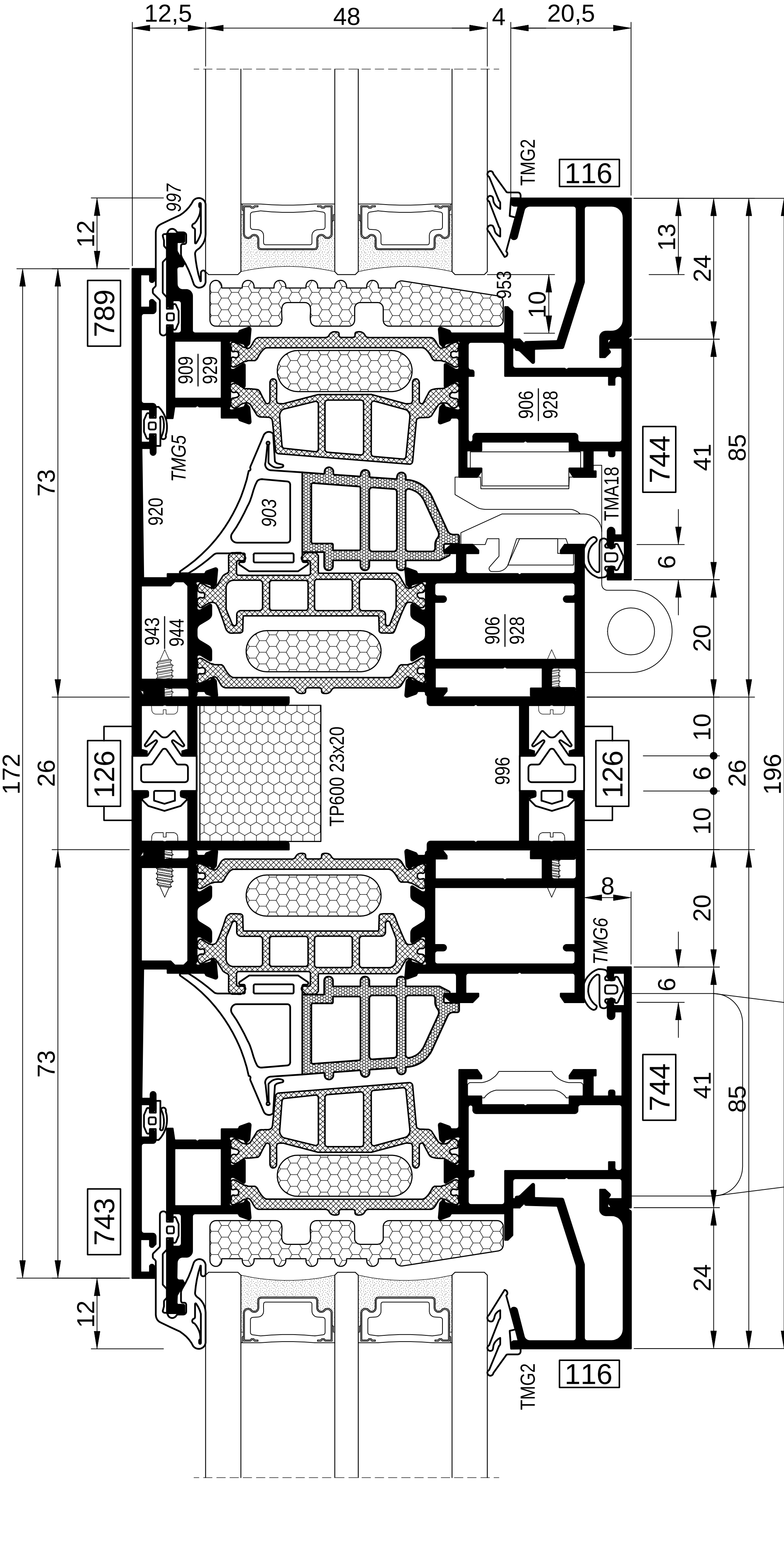
TMG6
11.5
24

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TMG2
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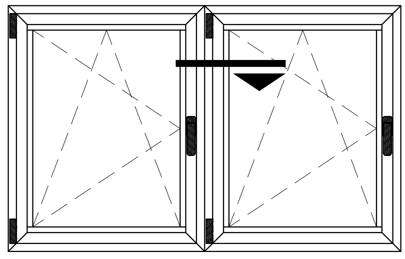

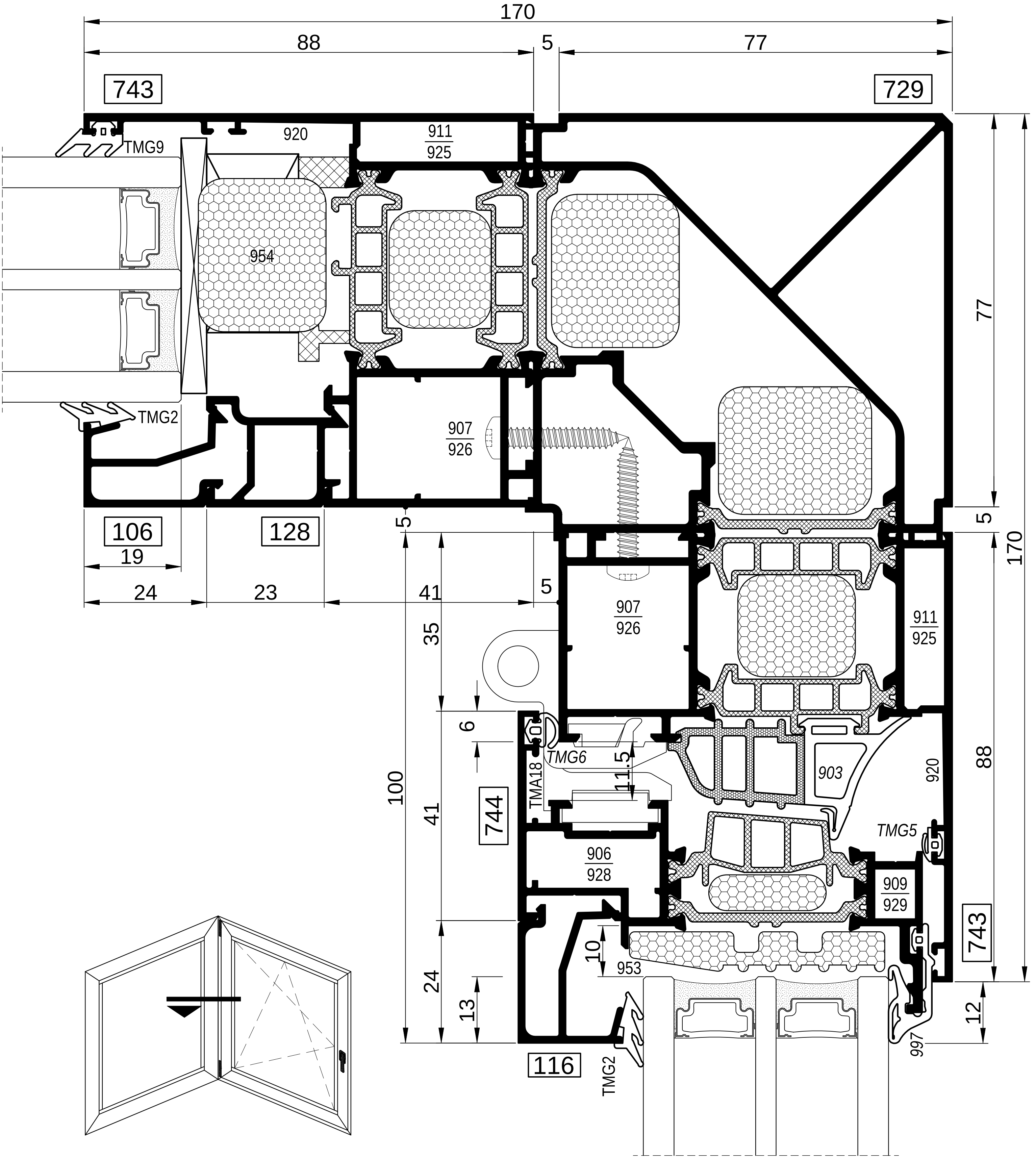
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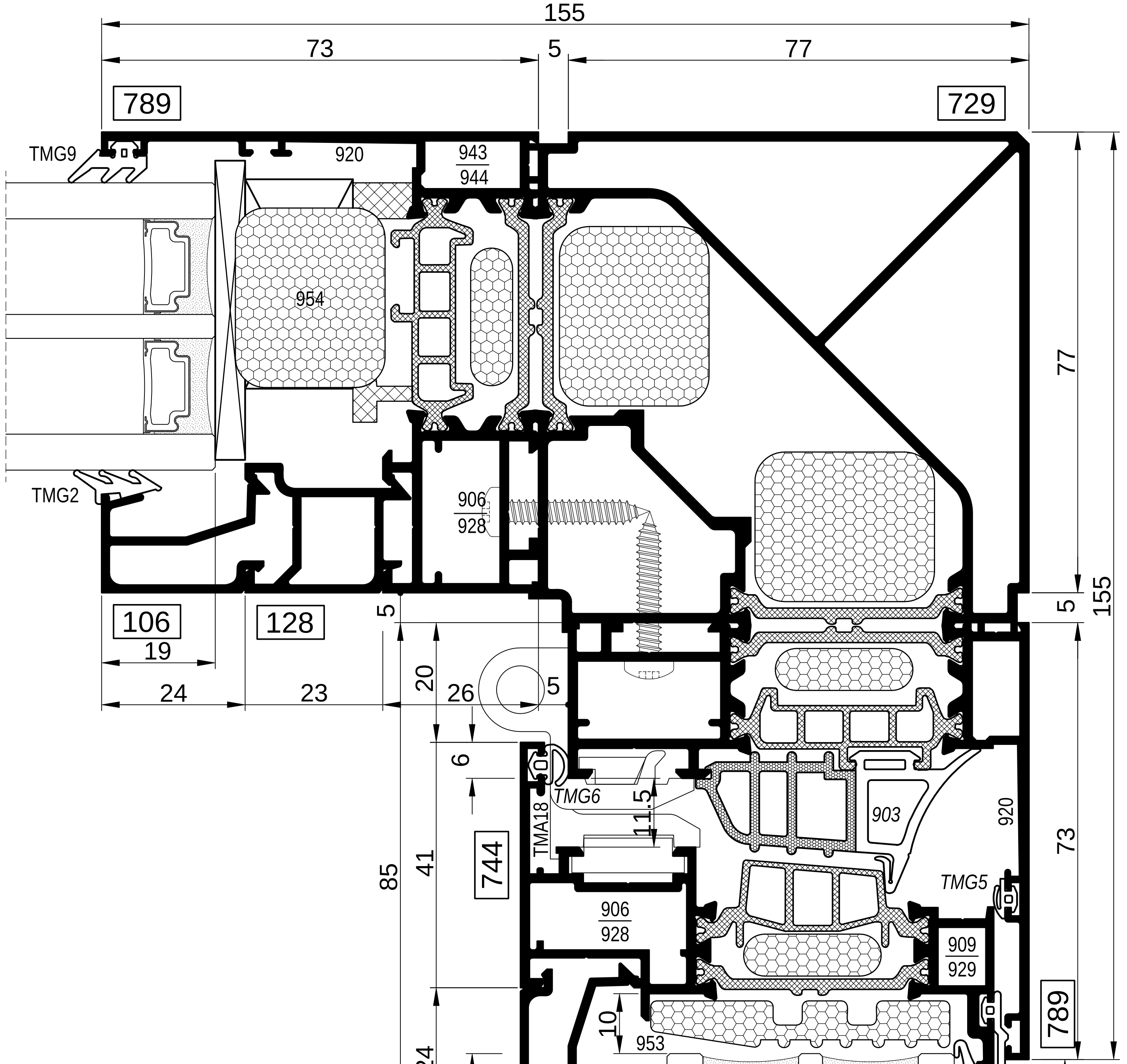
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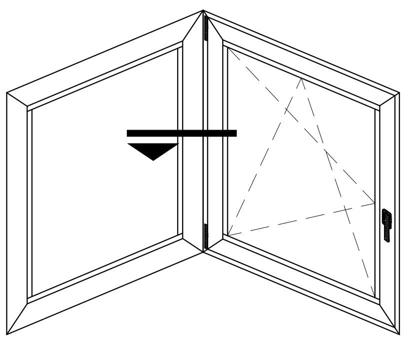
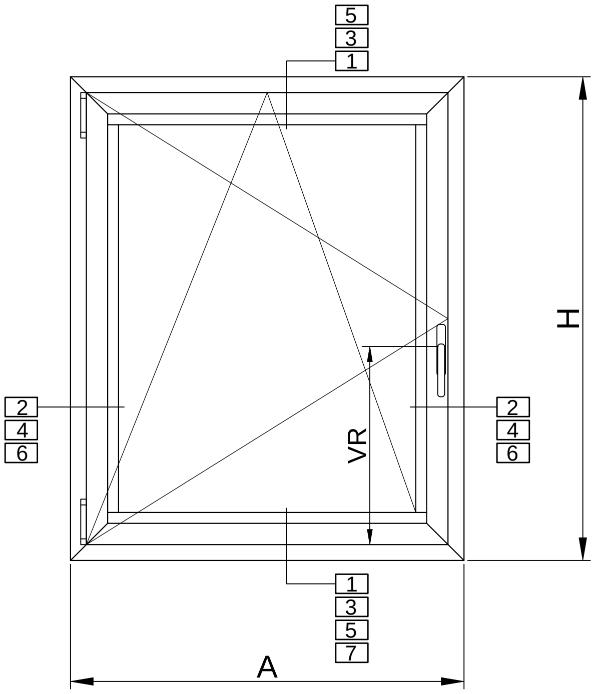
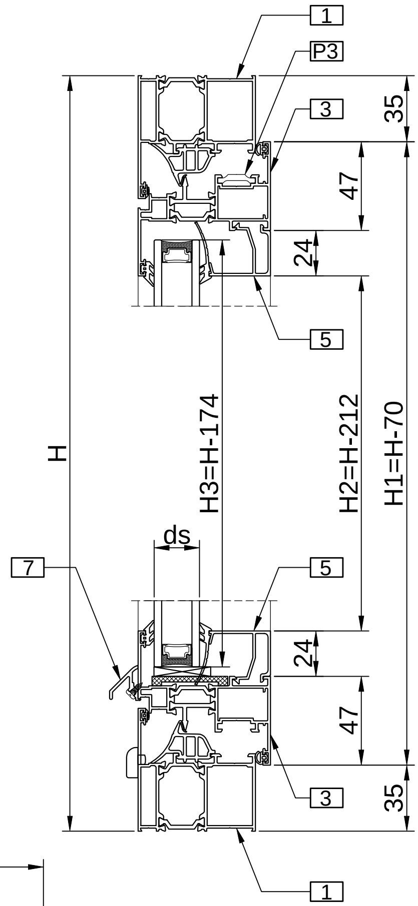
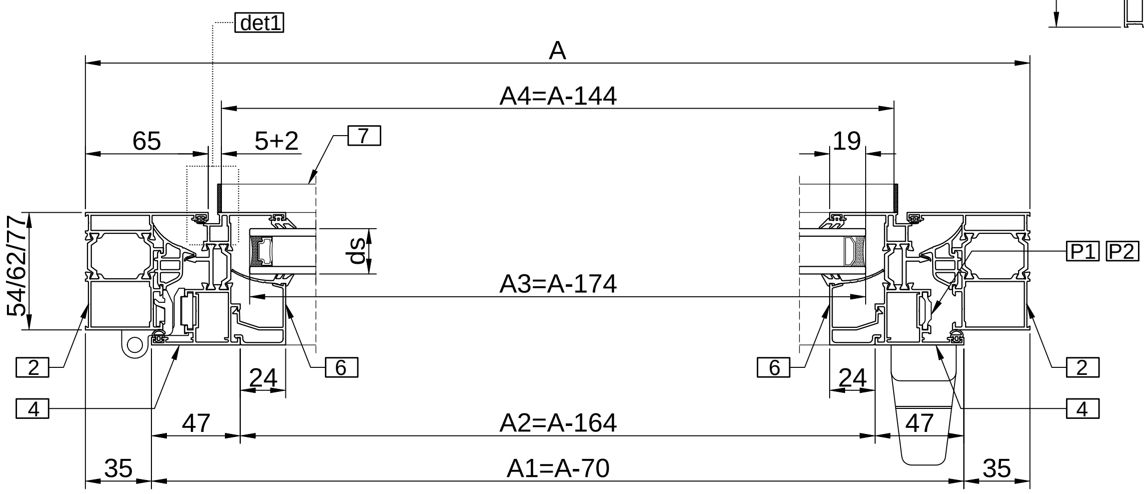








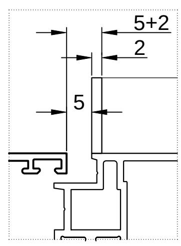
Profili / Profiles / Профили

	ST 54	PLUS 62 / THERM 62	THERM 77	i	mm	kom	αa / αb
	501	601	701	1	A	x2	45°/45°
		661		2	H	x2	45°/45°
	504	604	704	3	A1=A-70	x2	45°/45°
		664		4	H1=H-70	x2	45°/45°
	ds=24mm 100	ds=24mm 101	ds=47mm 100	5	A2=A-164	x2	90°/90°
				6	H2=A-212	x2	90°/90°
	TM36			7	A4=A-144	x1	90°/90°
	TM33			P1	L1=(H1-VR)-200	x1	90°/90°
				P2	L2=VR-205	x1	90°/90°
				P3	L3=A1-472	x1	90°/90°

Staklo / Glass / Стекло

ST 54	PLUS 62 / THERM 62	THERM 77
ds=24mm	ds=24mm	ds=47mm
(A-174)x(H-174)		
x1		

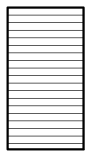
det1



P1 P2 P3 mere zavise od okova / rates depend on fitting / ставки зависят от оков

Pribor / Hardware / Аксессуаров

No	opis/description/опицание	ST 54	PLUS 62 / THERM 62	THERM 77	kom/pc/шт
1	podloška za staklo / glazing pad / коврик из стекла	30x70x5	40x75x5	50x75x5	6
2	ugaona spojnica / corner joint / угловое соединение	907			4
3	ugaona spojnica / corner joint / угловое соединение	908			4
4	ugaona spojnica / corner joint / угловое соединение	909			4
5	ugaona spojnica / corner joint / угловое соединение	911			4
6	spojnica u peru / thorn clip / суставы в перу	920			8
7	ugao centralne gume / Central seal vulcanized angle / угол центральные шины	935	936	937	4
8	podloška za staklo / glazing pad / коврик из стекла	962	963	964	3
9	šraf / screw / винт	DIN 7982 2,9x9,5 (A2)			2-5
10	spojnica u peru / thorn clip / суставы в перу	TMA18			4
11	poklopac za TM36 / Water drip bung for TM36 / покрытия для TM 36	TMP12			1
12	maska drenažnog otvora / drainage bung of the rod / маска дренажные отверстия	TMP9			2
13	penasti profil / foam profile / профиль пены	-	- / 958	953	2xA2+2xH2

1


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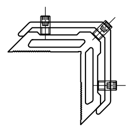

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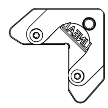

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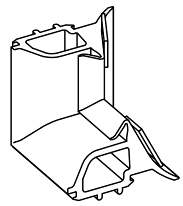

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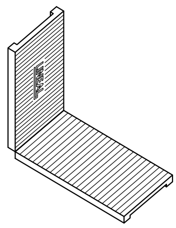

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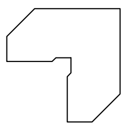

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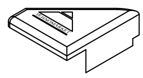

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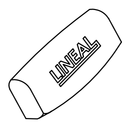

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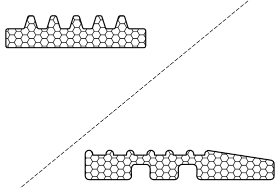
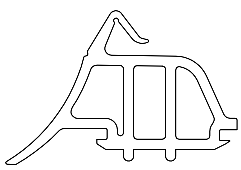


Gume / Gaskets / Резина

No	opis/description/опицание	ST 54	PLUS 62 / THERM 62	THERM 77	metara/ meter/ метр
14	centralna guma / central seal / центральный прокладка	901	902	903	2xA1+2xH1
15	guma za staklo / glazing gasket / остекление прокладка	921			2xA2+2xH2
16	guma za staklo / glazing gasket / остекление прокладка	TMG9			2xA2+2xH2
17	guma na štoku / casement gasket / прокладка на раме	TMG5			2xA1+2xH1
18	guma na krilu / casement gasket / прокладка на раме	TMG6			2xA1+2xH1

14


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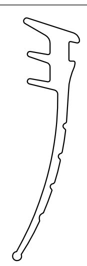

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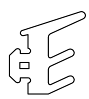

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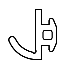

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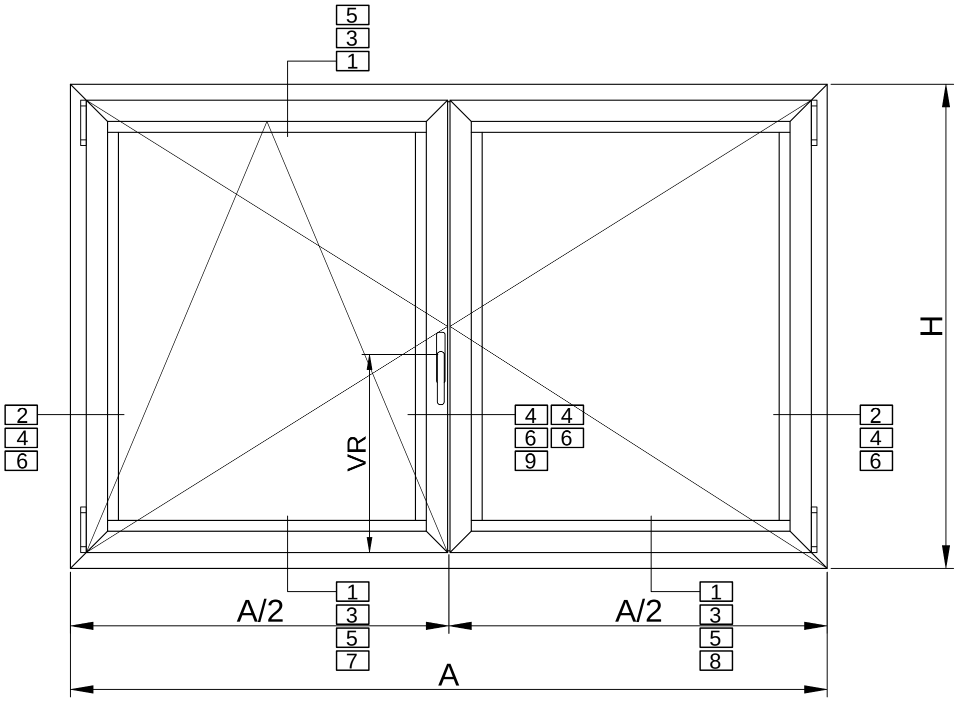
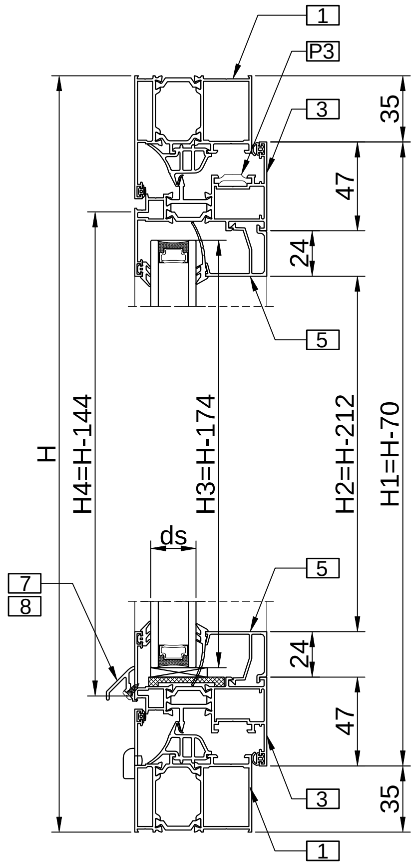
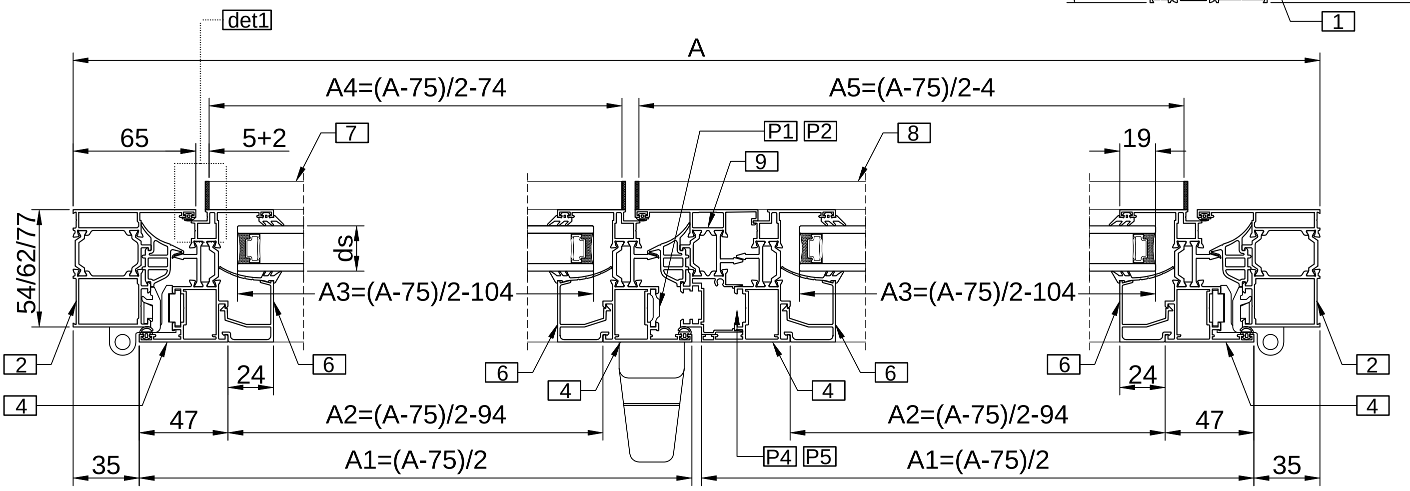






Profili / Profiles / Профили

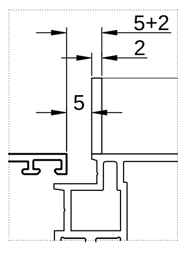
	ST 54	PLUS 62 / THERM 62	THERM 77	i	mm	kom	αa / αb
	501	601 / 661	701	1	A	x2	45°/45°
				2	H	x2	45°/45°
	504	604 / 664	704	3	A1=(A-75)/2	x4	45°/45°
				4	H1=H-70	x4	45°/45°
	509	609 / 669	709	9	H-144	x1	90°/90°
	ds=24mm 100	ds=24mm 101	ds=47mm 100	5	A2=(A-75)/2-94	x4	90°/90°
				6	H2=A-212	x4	90°/90°
	TM36			7	A4=(A-75)/2-74	x1	90°/90°
				8	A5=(A-75)/2-4	x1	90°/90°
	TM33			P1	L1=(H1-VR)-200	x1	90°/90°
				P2	L2=VR-205	x1	90°/90°
				P3	L3=A1-472	x1	90°/90°
				P4	L4=(H1-VR)+24	x1	90°/90°
				P5	L5=VR-276	x1	90°/90°

P1 P2 P3 P4 P5 mere zavise od okova / rates depend on fitting / ставки зависят от оков

Staklo /Glass / Стекло

ST 54	PLUS 62 / THERM 62	THERM 77
ds=24mm	ds=24mm	ds=47mm
((A-75)/2-104)x(H-174)		
x2		

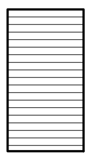
det1



Pribor / Hardware / Аксессуаров

No	opis/description/опицание	ST 54	PLUS 62 / THERM 62	THERM 77	kom/pc/шт
1	podloška za staklo / glazing pad / коврик из стекла	30x70x5	40x75x5	50x75x5	12
2	ugaona spojnica / corner joint / угловое соединение		907		8
3	ugaona spojnica / corner joint / угловое соединение		908		4
4	ugaona spojnica / corner joint / угловое соединение		909		8
5	ugaona spojnica / corner joint / угловое соединение		911		4
6	Čep profila veze dvokrilnog prozora / Double casement connection profile bung / Затычка соединительного профила двойной створки	916	917	918	1
7	spojnica u peru / thorn clip / суставы в перу		920		12
8	ugao centralne gume / Central seal vulcanized angle / угол центральные шины	935	936	937	4
9	podloška za staklo / glazing pad / коврик из стекла	962	963	964	6
10	šraf / screw / винт		DIN 7982 2,9x9,5 (A2)		4-10
11	šraf / screw / винт		DIN 7982 4,2x32 (A2)		2
12	spojnica u peru / thorn clip / суставы в перу		TMA18		8
13	poklopac za TM36 / Water drip bung for TM36 / покрытия для TM 36		TMP12		2
14	maska drenažnog otvora / drainage bung of the rod / маска дренажные отверстия		TMP9		2-3
15	penasti profil / foam profile / профиль пены	-	- / 958	953	4xA2+4xH2

1



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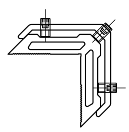

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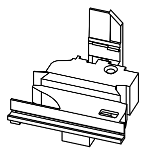

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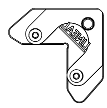

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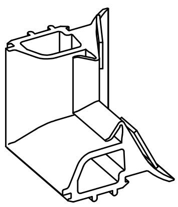

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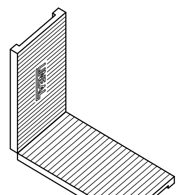

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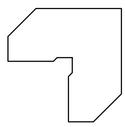

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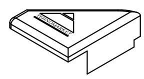

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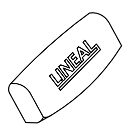

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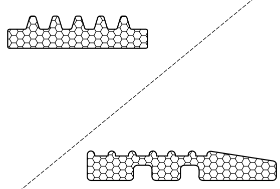
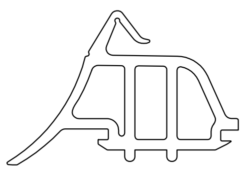


Gume / Gaskets / Резина

No	opis/description/опицание	ST 54	PLUS 62 / THERM 62	THERM 77	metara/ meter/ метр
16	centralna guma / central seal / центральный прокладка	901	902	903	4xA1+3xH1
17	guma za staklo / glazing gasket / остекление прокладка		921		4xA2+4xH2
18	guma za staklo / glazing gasket / остекление прокладка		TMG9		4xA2+4xH2
19	guma na štoku / casement gasket / прокладка на раме		TMG5		4xA1+3xH1
20	guma na krilu / casement gasket / прокладка на раме		TMG6		4xA1+3xH1

16



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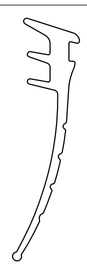

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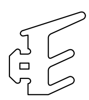
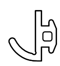
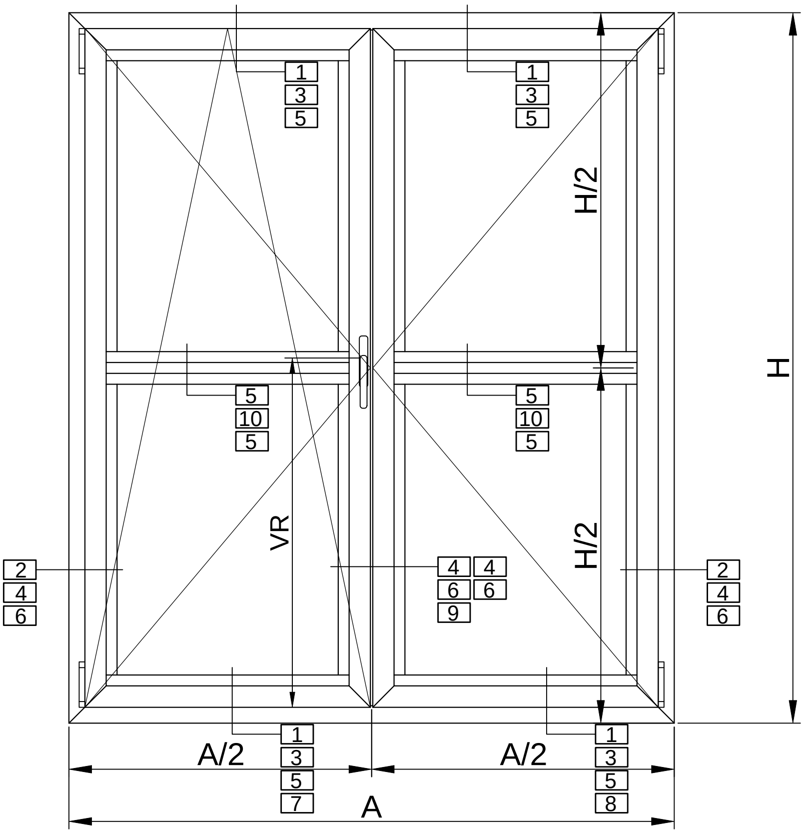
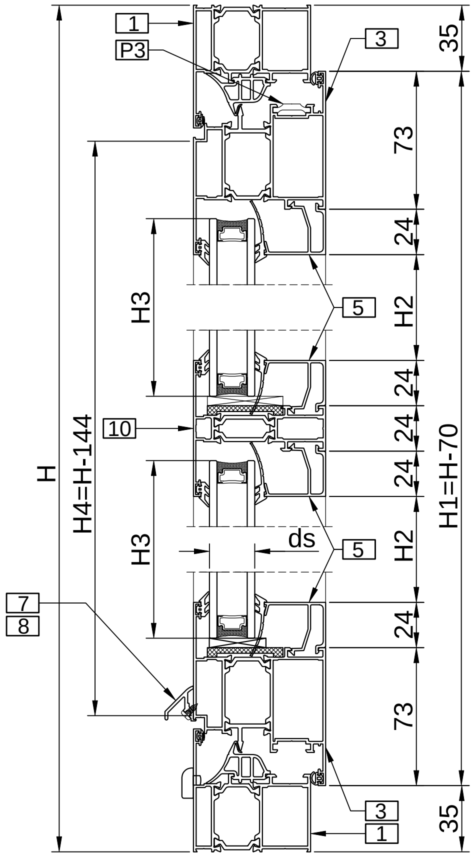


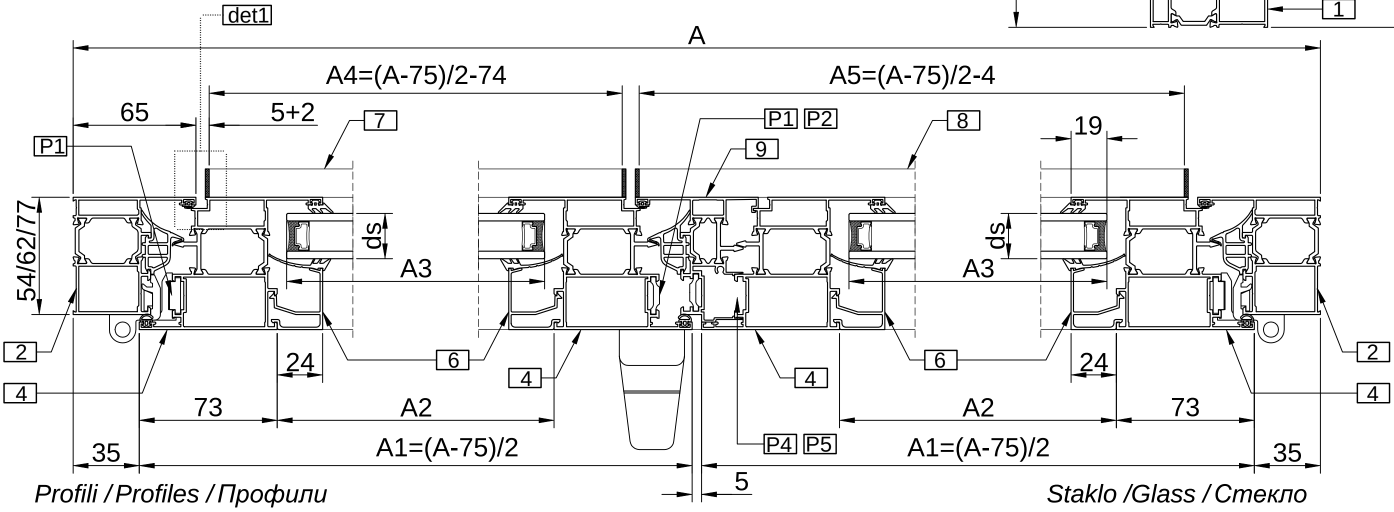
19



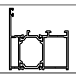
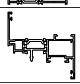
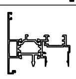
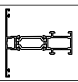
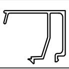
20







Profili / Profiles / Профили

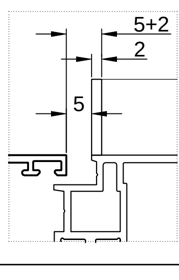
	ST 54	PLUS 62 / THERM 62	THERM 77	i	mm	kom	αa / αb
	501	601	701	1	A	x2	45°/45°
		661		2	H	x2	45°/45°
	504	604	704	3	A1=(A-75)/2	x4	45°/45°
		664		4	H1=H-70	x4	45°/45°
	509	609 / 669	709	9	H-144	x1	90°/90°
	516	616 / 676	716	10	A2=(A-75)/2-146	x2	90°/90°
	ds=24mm 100	ds=24mm 101	ds=47mm 100	5	A2=(A-75)/2-146	x8	90°/90°
				6	H2=(H-70)/2-133	x8	90°/90°
	TM36			7	A4=(A-75)/2-74	x1	90°/90°
				8	A5=(A-75)/2-4	x1	90°/90°
	TM33			P1	L1=(H1-VR)-200	x2	90°/90°
				P2	L2=VR-205	x1	90°/90°
				P3	L3=A1-472	x1	90°/90°
				P4	L4=(H1-VR)+24	x1	90°/90°
				P5	L5=VR-276	x1	90°/90°

P1 P2 P3 P4 P5 mere zavise od okova / rates depend on fitting / ставки зависят от оков

Staklo / Glass / Стекло

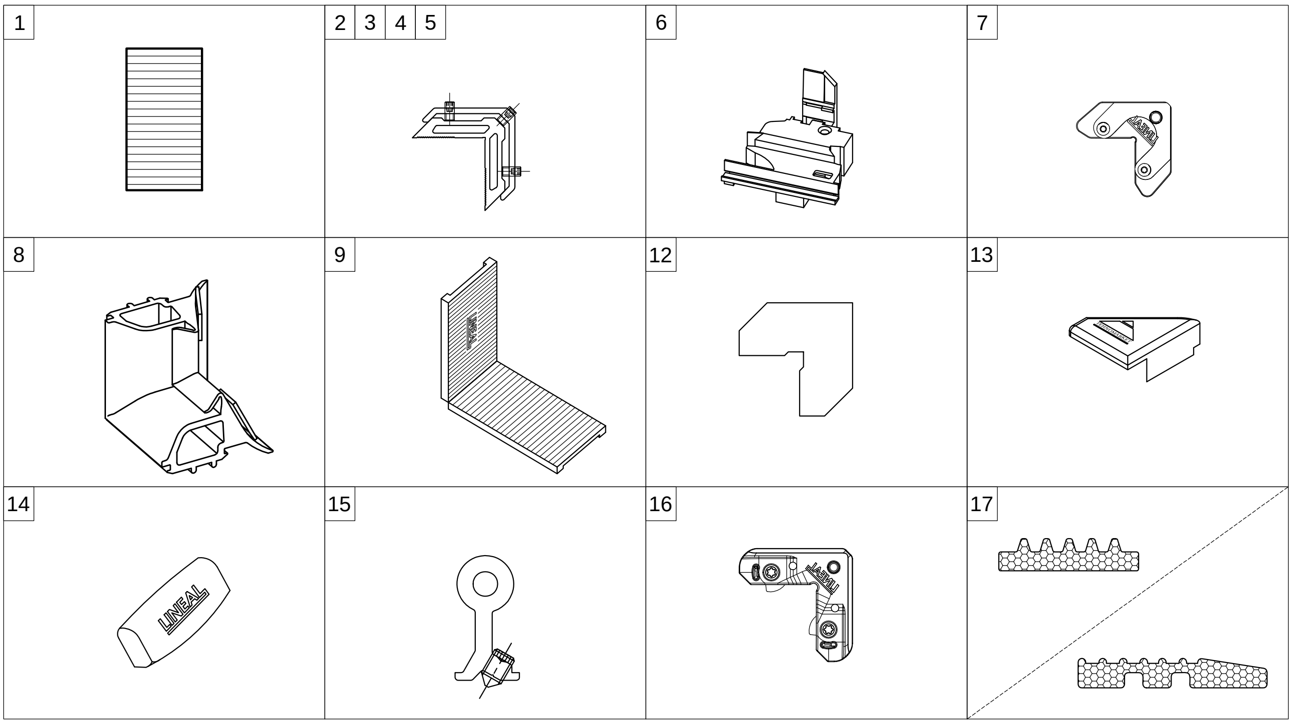
ST 54	PLUS 62 / THERM 62	THERM 77
ds=24mm	ds=24mm	ds=47mm
((A-75)/2-156)x((H-70)/2-95)		
x4		

det1



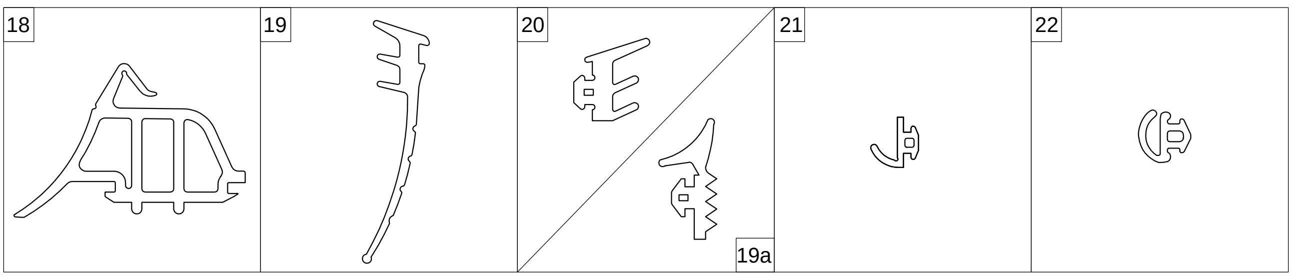
Pribor / Hardware / Аксессуаров

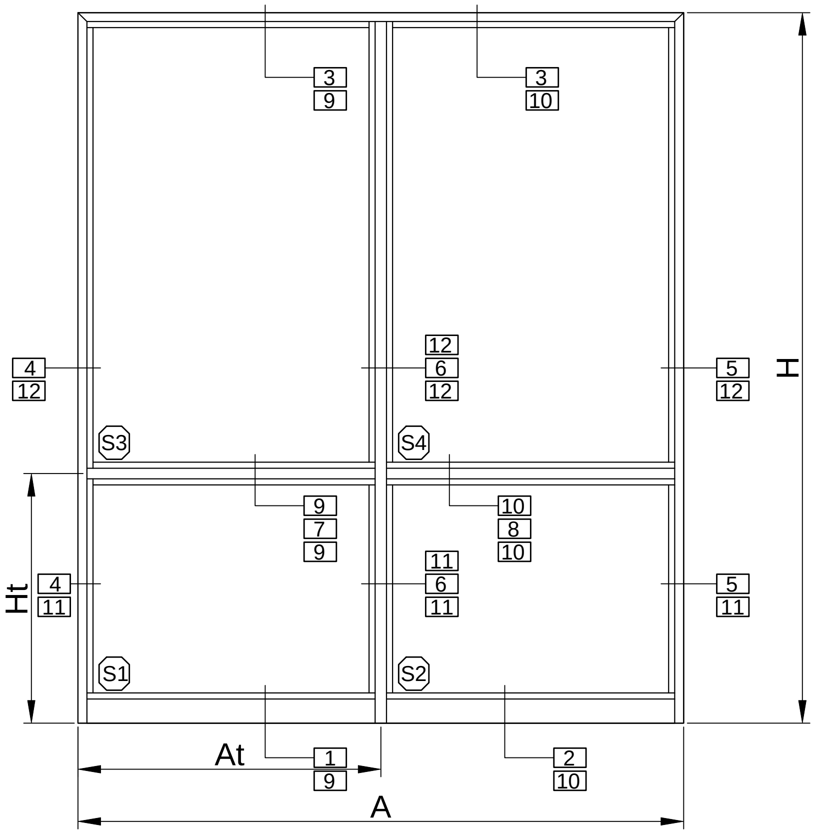
No	opis/description/опицание	ST 54	PLUS 62 / THERM 62	THERM 77	kom/pc/шт
1	podloška za staklo / glazing pad / коврик из стекла	30x70x5	40x75x5	50x75x5	24
2	ugaona spojnica / corner joint / угловое соединение		908		4
3	ugaona spojnica / corner joint / угловое соединение		911		4
4	ugaona spojnica / corner joint / угловое соединение		939		8
5	ugaona spojnica / corner joint / угловое соединение		940		8
6	Čep profila veze dvokrilnog prozora / Double casement connection profile bung / Затычка соединительного профила двойной створки	916	917	918	1
7	spojnica u peru / thorn clip / суставы в перу		920		12
8	ugao centralne gume / Central seal vulcanized angle / угол центральные шины	935	936	937	4
9	podloška za staklo / glazing pad / коврик из стекла	962	963	964	12
10	šraf / screw / винт		DIN 7982 2,9x9,5 (A2)		4-10
11	šraf / screw / винт		DIN 7982 4,2x32 (A2)		2
12	spojnica u peru / thorn clip / суставы в перу		TMA18		8
13	poklopac za TM36 / Water drip bung for TM36 / покрытия для TM 36		TMP12		2
14	maska drenažnog otvora / drainage bung of the rod / маска дренажные отверстия		TMP9		2-3
15	spojnica prečke / crossbar clip / клип штанги		922		4
16	spojnica u peru / thorn clip / суставы в перу		934		8
17	penasti profil / foam profile / профиль пены	-	- / 958	953	8xA2+8xH2

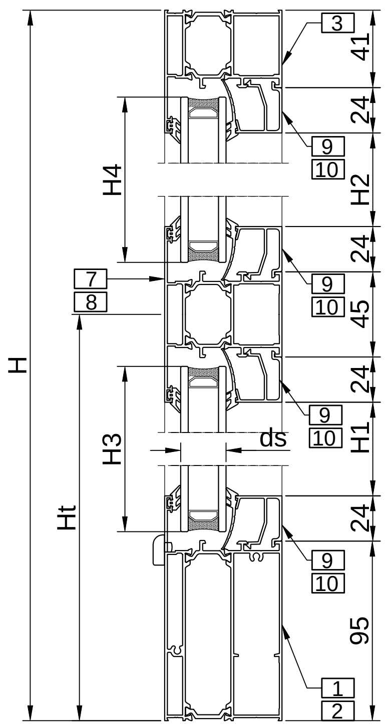


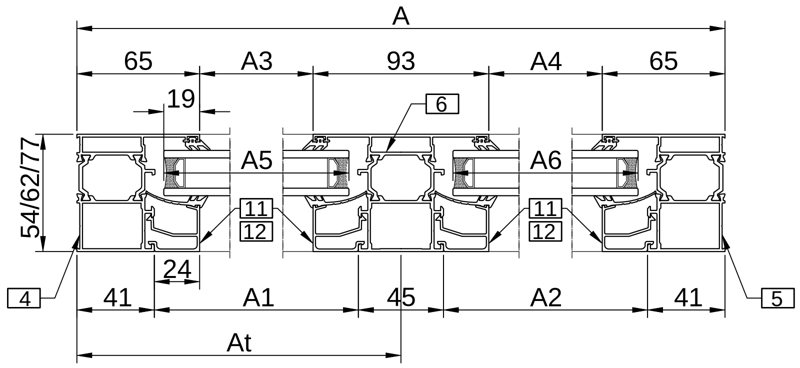
Gume / Gaskets / Резина

No	opis/description/опицание	ST 54	PLUS 62 / THERM 62	THERM 77	metara/ meter/ метр
18	centralna guma / central seal / центральный прокладка	901	902	903	4xA1+3xH1
19	guma za staklo / glazing gasket / остекление прокладка		921		8xA2+8xH2
19a	guma za staklo / glazing gasket / остекление прокладка		TMG9		4xA2+8xH2
20	guma za staklo / glazing gasket / остекление прокладка	TMG9	TMG9	TMG1	4xA2
21	guma na štoku / casement gasket / прокладка на раме		TMG5		4xA1+3xH1
22	guma na krilu / casement gasket / прокладка на раме		TMG6		4xA1+3xH1









Profili / Profiles / Профили

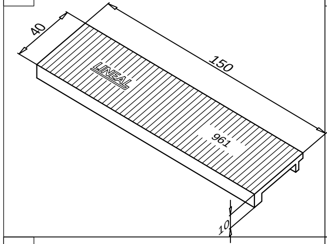
	ST 54	PLUS 62 / THERM 62	THERM 77	i	mm	kom	αa / αb
	517	617	717	1	A1=At-63,5	x1	90°/90°
		677		2	A2=A-At-63,5	x1	90°/90°
	501	601	701	3	A	x1	45°/45°
				4	H	x1	45°/90°
		661		5	H	x1	90°/45°
	502	602	702	6	H-41	x1	90°/90°
				7	A1=At-63,5	x1	90°/90°
		662		8	A2=A-At-63,5	x1	90°/90°
	ds=24mm 106	ds=24mm 100	ds=47mm 106	9	A1=At-63,5	x4	90°/90°
				10	A2=A-At-63,5	x4	90°/90°
				11	H1=Ht-165,5	x4	90°/90°
				12	H2=H-Ht-111,5	x4	90°/90°

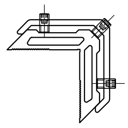
Staklo / Glass / Стекло

ST 54	PLUS 62 / THERM 62	THERM 77
ds=24mm	ds=24mm	ds=47mm
S1 (At-73,5)x(Ht-127,5)		kom1
S2 (A-At-73,5)x(Ht-127,5)		kom1
S3 (At-73,5)x(H-Ht-73,5)		kom1
S4 (A-At-73,5)x(H-Ht-73,5)		kom1

Pribor / Hardware / Аксессуаров

No	opis/description/опицание	ST 54	PLUS 62 / THERM 62	THERM 77	kom/pc/шт
1	podloška za staklo / glazing pad / коврик из стекла	960	961	961	16
2	ugaona spojnica / corner joint / угловое соединение	908			2
3	ugaona spojnica / corner joint / угловое соединение	911			2
4	spojnica u peru / thorn clip / суставы в перу	920			2
5	maska drenažnog otvora / drainage bung of the rod / маска дренажные отверстия	TMP9			4-8
6	spojnica prečke / crossbar clip / клип штанги	915			9
7	spojnica u peru / thorn clip / суставы в перу	934			14
8	šraf / screw / винт	DIN 7982 4,2x50 (A2)			2
9	šraf / screw / винт	DIN 7982 4,2x32 (A2)			2
10	penasti profil / foam profile / профиль пены	-	- / -	953	4x(A3+A4)+ 4x(H1+H2)

1


2 3


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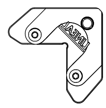

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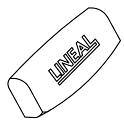

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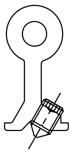
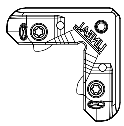


7


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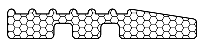
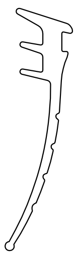
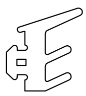
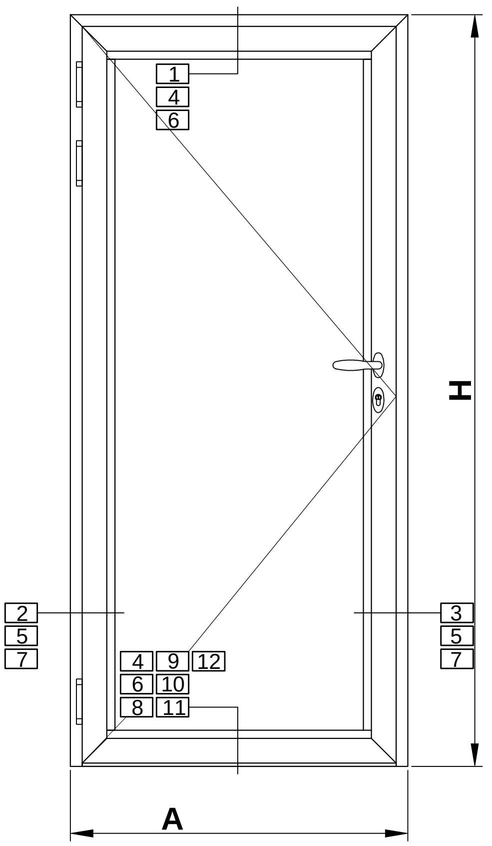


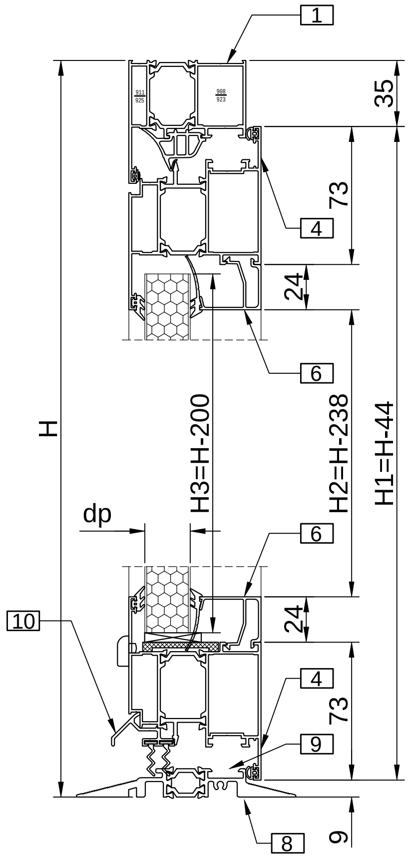
Gume / Gaskets / Резина

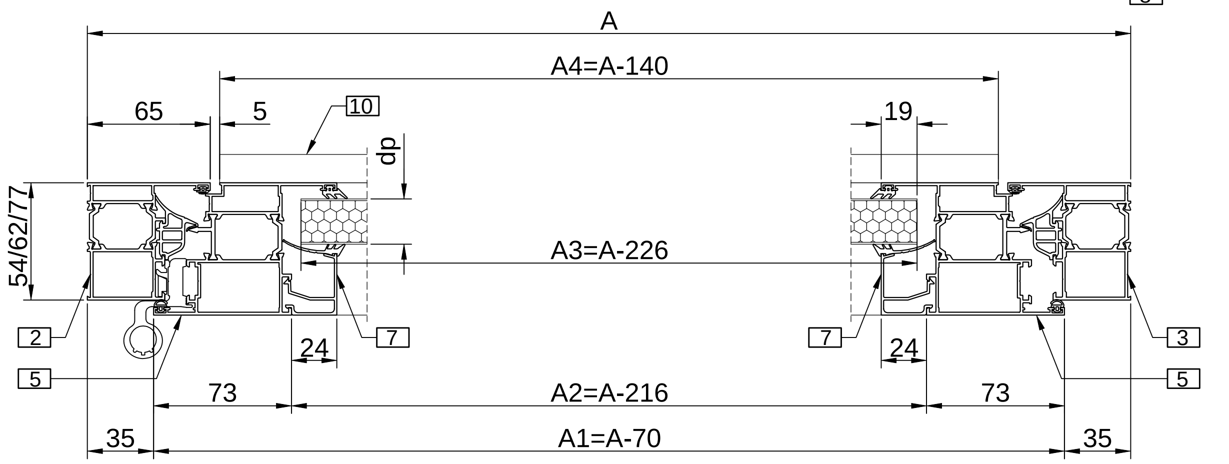
No	opis/description/опицание	ST 54	PLUS 62 / THERM 62	THERM 77	metara/ meter/ метр
11	guma za staklo / glazing gasket / остекление прокладка	921			4x(A3+A4)+4x(H1+H2)
12	guma za staklo / glazing gasket / остекление прокладка	TMG9			4x(A3+A4)+4x(H1+H2)

11


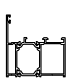
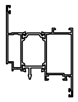
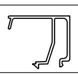
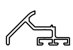
12








Profili / Profiles / Профили

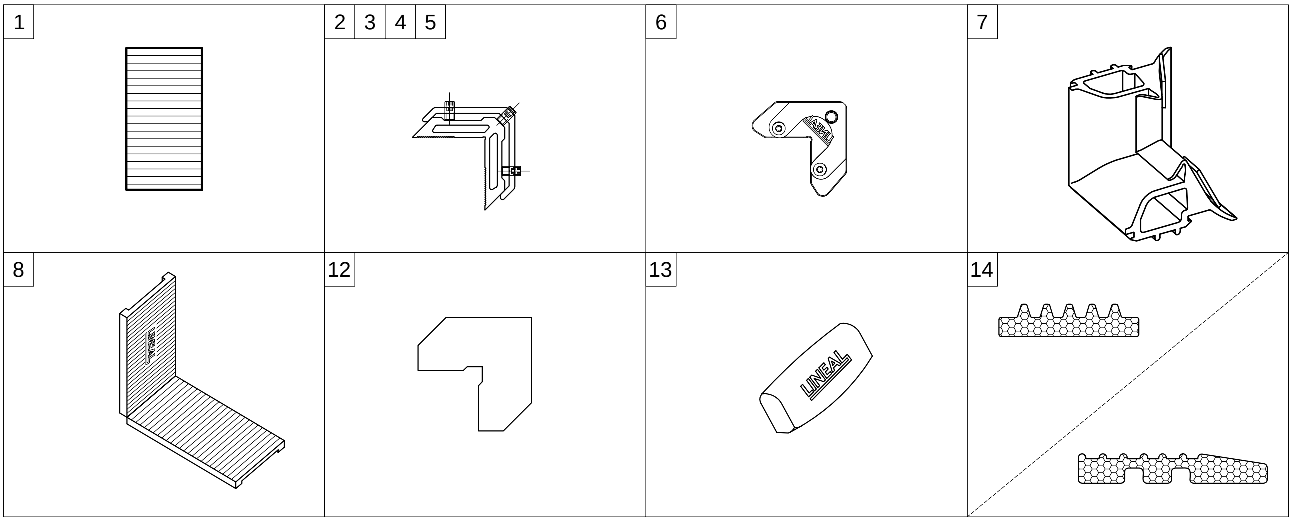
	ST 54	PLUS 62 / THERM 62	THERM 77	i	mm	kom	αa / αb
	501	601 / 661	701	1	A	x1	45°/45°
				2	H	x1	45°/90°
				3	H	x1	90°/45°
	514	614 / 674	714	4	A1=A-70	x2	45°/45°
				5	H1=H-44	x2	45°/45°
	ds=24mm 100	ds=24mm 101	ds=47mm 100	6	A2=A-216	x2	90°/90°
				7	H2=A-238	x2	90°/90°
	535	635 / 659	735	8	A-85	x1	90°/90°
	119			9	A-85	x1	90°/90°
	120			10	A4=A-140	x1	90°/90°

Panel / Panel / Панельо

ST 54	PLUS 62 / THERM 62	THERM 77
dp=24mm	dp=24mm	dp=47mm
(A-226)x(H-200)		
x1		

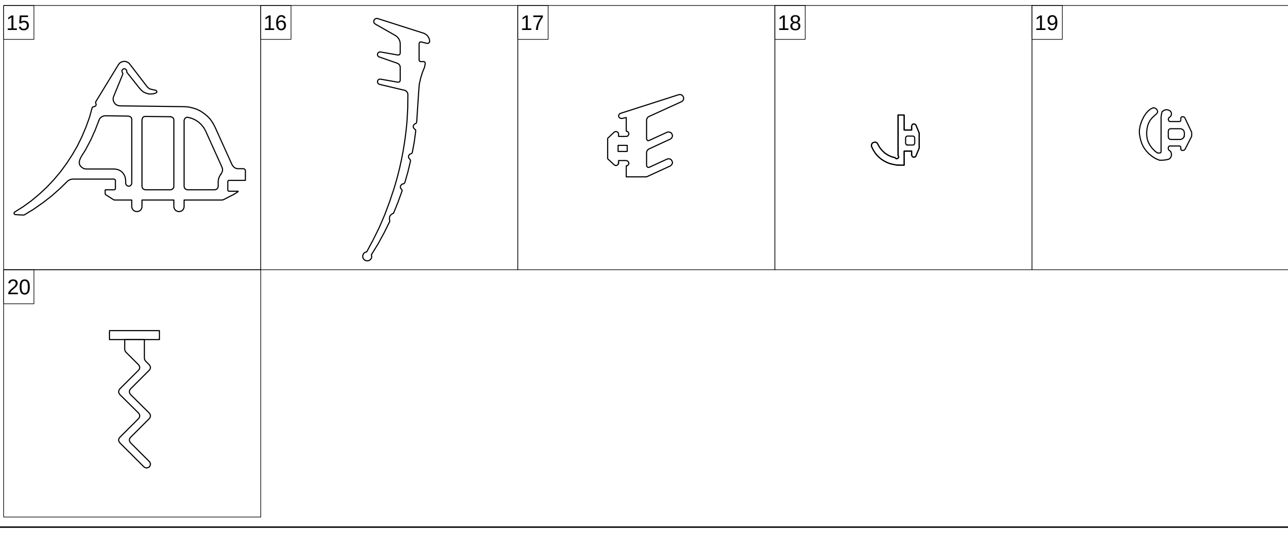
Pribor / Hardware / Аксессуаров

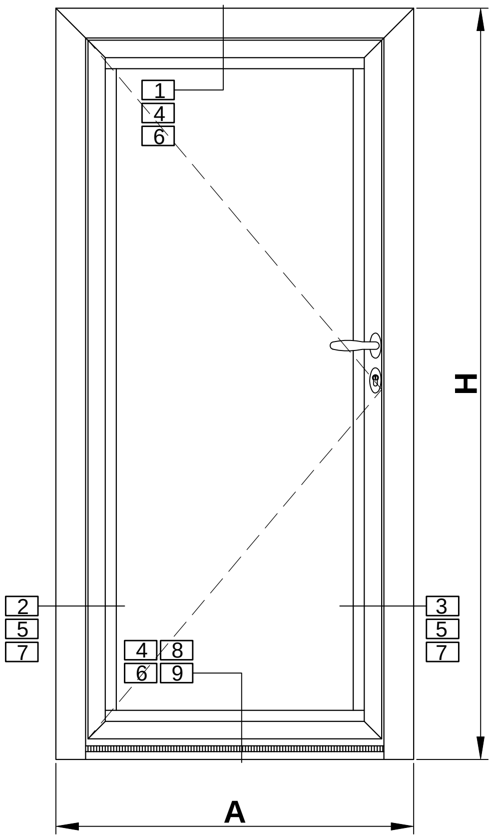
No	opis/description/опицание	ST 54	PLUS 62 / THERM 62	THERM 77	kom/pc/шт
1	podloška za staklo / glazing pad / коврик из стекла	30x70x5	40x75x5	50x75x5	6
2	ugaona spojnica / corner joint / угловое соединение		908		2
3	ugaona spojnica / corner joint / угловое соединение		911		2
4	ugaona spojnica / corner joint / угловое соединение		939		4
5	ugaona spojnica / corner joint / угловое соединение		940		4
6	spojnica u peru / thorn clip / суставы в перу		920		6
7	ugao centralne gume / Central seal vulcanized angle / угол центральные шины	935	936	937	2
8	podloška za staklo / glazing pad / коврик из стекла	962	963	964	3
9	šraf / screw / винт		DIN 7981 2,9x9,5 (A2)		4-6
9a	šraf / screw / винт		DIN 7982 2,9x13 (A2)		8-12
10	šraf / screw / винт		DIN 7982 4,2x50 (A2)		2
11	šraf / screw / винт		DIN 7982 4,2x32 (A2)		2
12	spojnica u peru / thorn clip / суставы в перу		TMA18		4
13	maska drenažnog otvora / drainage bung of the rod / маска дренажные отверстия		TMP9		2
14	penasti profil / foam profile / профиль пены	-	- / 958	953	2xA2+2xH2

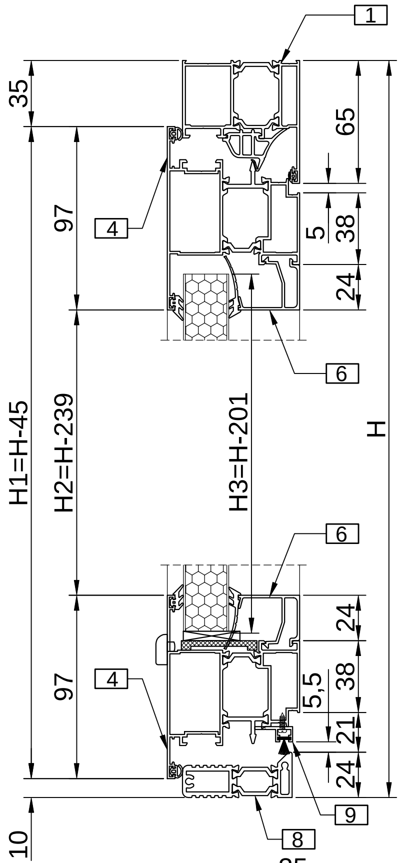


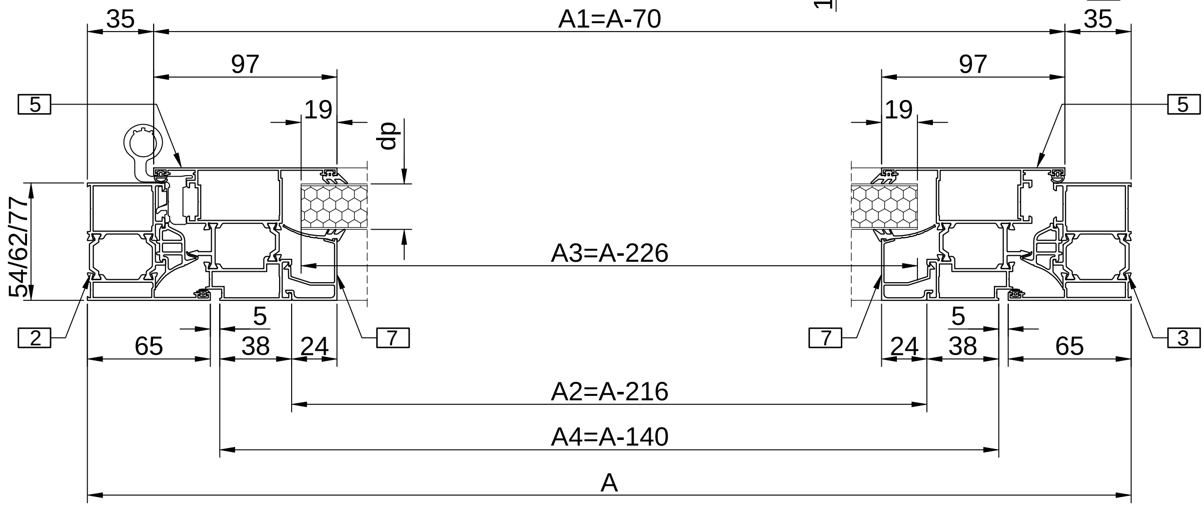
Gume / Gaskets / Резина

No	opis/description/опицание	ST 54	PLUS 62 / THERM 62	THERM 77	metara/ meter/ метр
15	centralna guma / central seal / центральный прокладка	901	902	903	1xA1+2xH1
16	guma za staklo / glazing gasket / остекление прокладка		921		2xA2+2xH2
17	guma za staklo / glazing gasket / остекление прокладка		TMG9		2xA2+2xH2
18	guma na štoku / casement gasket / прокладка на раме		TMG5		1xA1+2xH1
19	guma na krilu / casement gasket / прокладка на раме		TMG6		2xA1+2xH1
20	guma prag / rod drainge gasket / прокладка на порога		977		2xA4

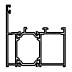
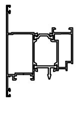
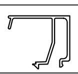
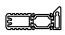








Profili / Profiles / Профили

	ST 54	PLUS 62 / THERM 62	THERM 77	i	mm	kom	αa / αb
	501	601 661	701	1	A	x1	45°/45°
				2	H	x1	45°/90°
				3	H	x1	90°/45°
	519	619 679	719	4	A1=A-70	x2	45°/45°
				5	H1=H-45	x2	45°/45°
	ds=24mm 100	ds=24mm 101	ds=47mm 100	6	A2=A-216	x2	90°/90°
				7	H2=A-239	x2	90°/90°
	508	608 668	708	8	A-82	x1	90°/90°
	TM43			9	A4=A-140	x1	90°/90°

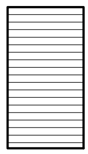
Panel / Panel / Панельо

ST 54	PLUS 62 / THERM 62	THERM 77
dp=24mm	dp=24mm	dp=47mm
(A-226)x(H-201)		
x1		

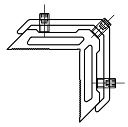
Pribor / Hardware / Аксессуаров

No	opis/description/опицание	ST 54	PLUS 62 / THERM 62	THERM 77	kom/pc/шт
1	podloška za staklo / glazing pad / коврик из стекла	30x70x5	40x75x5	50x75x5	6
2	ugaona spojnica / corner joint / угловое соединение	908			2
3	ugaona spojnica / corner joint / угловое соединение	911			2
4	ugaona spojnica / corner joint / угловое соединение	939			4
5	ugaona spojnica / corner joint / угловое соединение	940			4
6	spojnica u peru / thorn clip / суставы в перу	920			6
7	ugao centralne gume / Central seal vulcanized angle / угол центральные шины	935	936	937	2
8	podloška za staklo / glazing pad / коврик из стекла	962	963	964	3
9	šraf / screw / винт	DIN 7981 2,9x9,5 (A2)			2-5
10	šraf / screw / винт	DIN 7982 4,2x50 (A2)			4
11	spojnica u peru / thorn clip / суставы в перу	TMA18			4
12	maska drenažnog otvora / drainage bung of the rod / маска дренажные отверстия	TMP9			2
13	penasti profil / foam profile / профиль пены	-	- / 958	953	2xA2+2xH2

1



2 3 4 5



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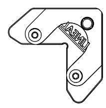

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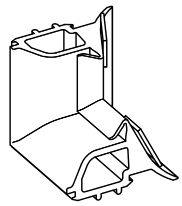

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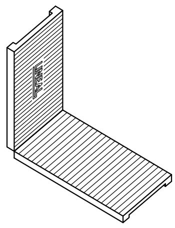

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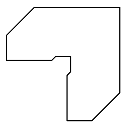

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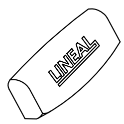

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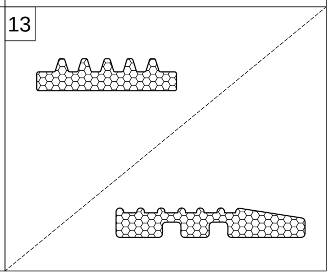
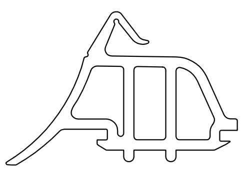


No	opis/description/опицание	ST 54	PLUS 62 / THERM 62	THERM 77	metara/ meter/ метр
14	centralna guma / central seal / центральный прокладка	901	902	903	1xA1+2xH1
15	guma za staklo / glazing gasket / остекление прокладка	921			2xA2+2xH2
16	guma za staklo / glazing gasket / остекление прокладка	TMG9			2xA2+2xH2
17	guma na štoku / casement gasket / прокладка на раме	TMG5			1xA1+2xH1
18	guma na krilu / casement gasket / прокладка на раме	TMG6			2xA1+2xH1
19	četkica praga / rod drainge brush / шетки порога	970			A4

Gume / Gaskets / Резина

14



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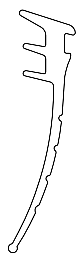

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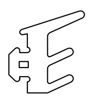

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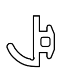

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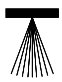
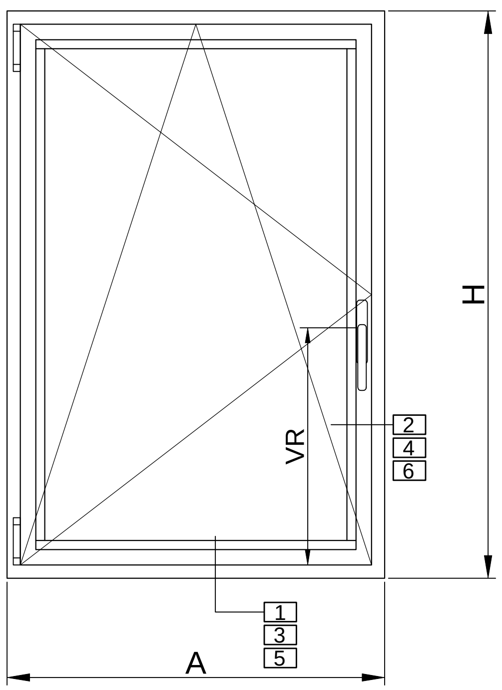
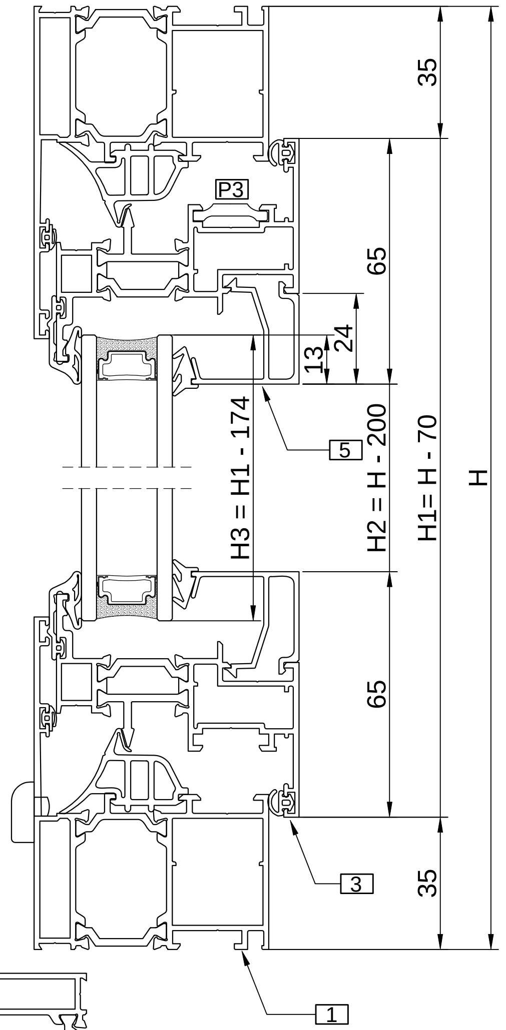
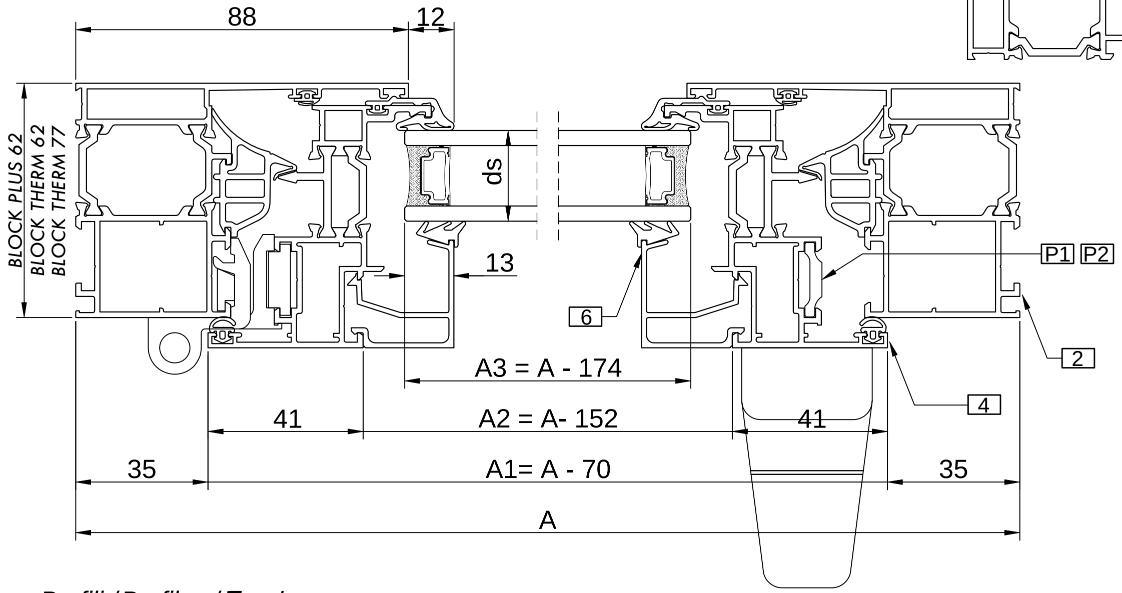
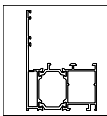
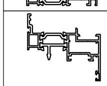
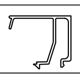








Profili / Profiles / Профили

	BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77	i	mm	kom	αa/αb
	643	743	1	A	x2	45°/45°
	638		2	H	x2	45°/45°
	644	744	3	A1=A-70	x2	45°/45°
	639		4	H1=H-70	x2	45°/45°
	ds=24mm 117	ds=48mm 116	5	A2=A-152	x2	90°/90°
			6	H2=H-200	x2	90°/90°
	TM33		P1	L1=(H1-VR)-200	x1	90°/90°
			P2	L2=VR-205	x1	90°/90°
			P3	L3=A1-472	x1	90°/90°

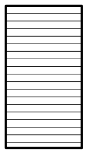
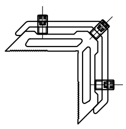
Staklo / Glass / Стекло

BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77
ds=24mm	ds=48mm
(A-174)x(H-174)	
x1	

P1 P2 P3 ** mere zavise od okova / rates depend on fitting / ставки зависят от оков*

Pribor / Hardware / Аксессуаров

No	opis/description/ опицание	BLOCK PLUS 62 BLOCK THERM 62	BLOCK THERM 77	kom/pc/шт
1	podloška za staklo / glazing pad / коврик из стекла	30x75x5	50x75x5	6
2	ugaona spojnica / corner joint / угловое соединение	906		4
3	ugaona spojnica / corner joint / угловое соединение	909		4
4	ugaona spojnica / corner joint / угловое соединение	907		4
5	ugaona spojnica / corner joint / угловое соединение	911		4
6	spojnica u peru / thorn clip / суставы в перу	920		4
7	spojnica u peru / thorn clip / суставы в перу	TMA18		4
8	ugao centralne gume / Central seal vulcanized angle / угол центральные шины	936	937	4
9	podloška za staklo / glazing pad / коврик из стекла	962	964	3
10	maska drenažnog otvora / drainage bung of the rod / маска дренажные отверстия	TMP9		2-3

1

2 3 4 5

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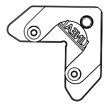
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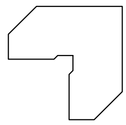
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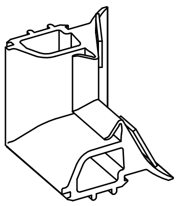
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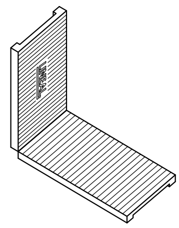
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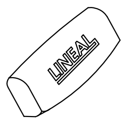
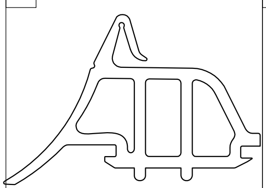


Gume / Gaskets / Резина

No	opis/description/опицание	BLOCK PLUS 62 BLOCK THERM 62	BLOCK THERM 77	metara/meter/метр
11	centralna guma / central seal / центральный прокладка	902	903	2xA1+2xH1
12	guma za staklo / glazing gasket / остеклениe прокладка	TMG3	TMG2	2xA3+2xH3
13	guma za staklo / glazing gasket / остеклениe прокладка	997		2xA2+2x(H2+50)
14	guma na štoku / casement gasket / прокладка на раме	TMG5		2xA1+2xH1
15	guma na krilu / casement gasket / прокладка на раме	TMG6		2xA1+2xH1
16	LDPE pena / LDPE foam / ЛДПЕ пена	- 958	953	2x A3 + 2xH3

11

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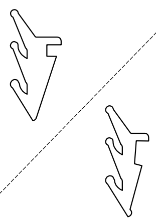
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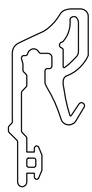
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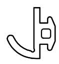
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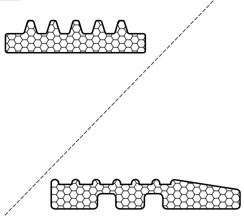
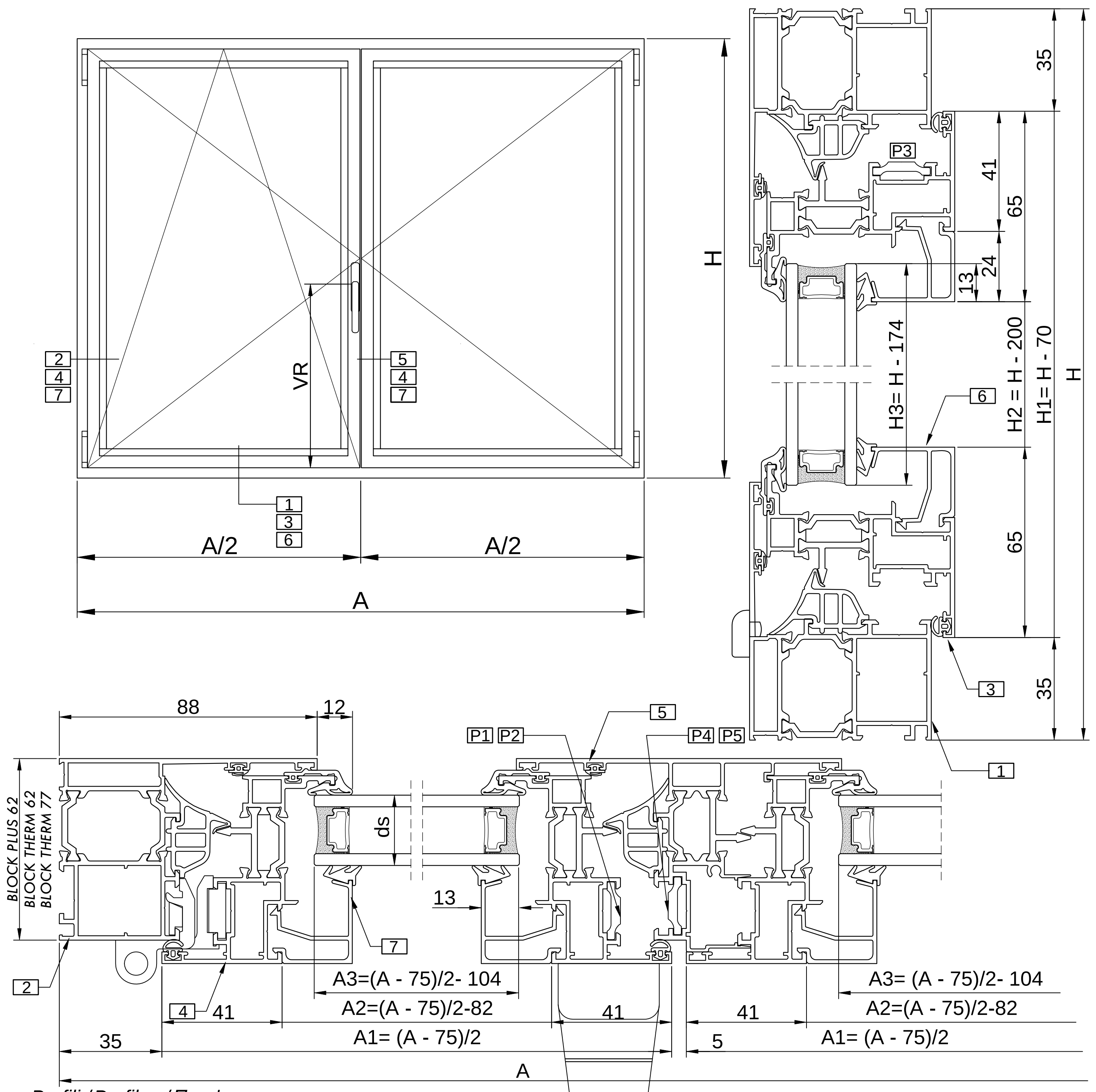
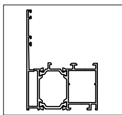
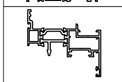
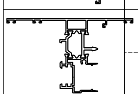
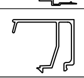




Profili / Profiles / Профили

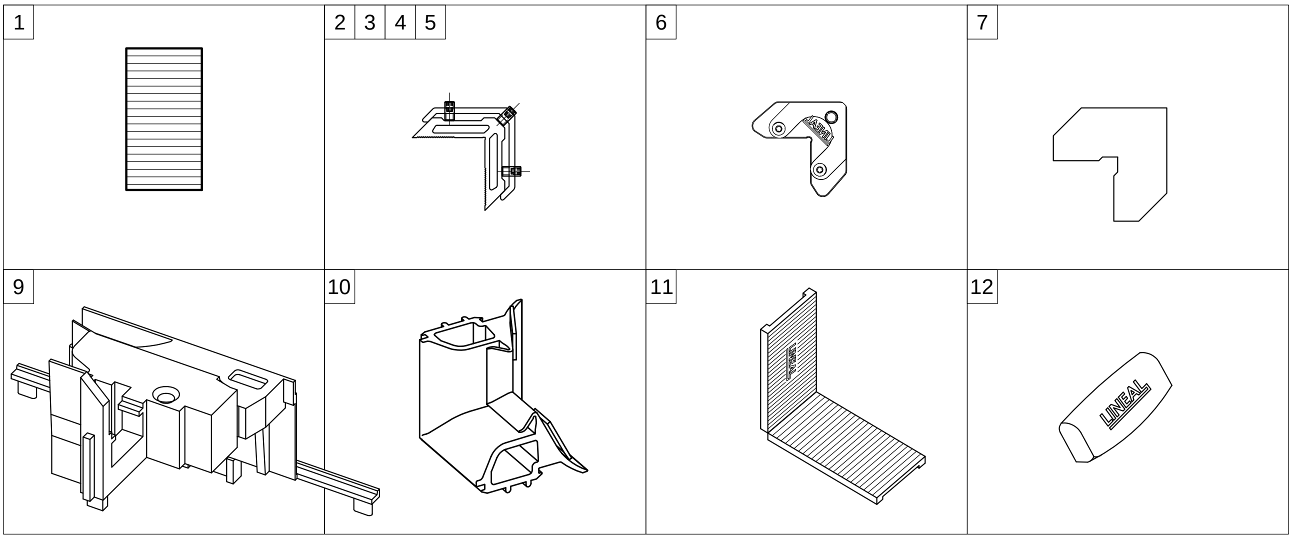
	BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77	i	mm	kom	αa/αb
	643 / 638	743	1	A	x2	45°/45°
			2	H	x2	45°/45°
	644 / 639	744	3	A1= (A - 75)/2	x4	45°/45°
			4	H1=H-70	x4	45°/45°
	645 / 640	745	5	H-144	x1	90°/90°
	ds=24mm 117	ds=48mm 116	6	A2=(A - 75)/2 - 82	x4	90°/90°
			7	H2= H - 200	x4	90°/90°
	TM33		P1	L1=(H1-VR)-200	x1	90°/90°
			P2	L2=VR-205	x1	90°/90°
	* mere zavise od okova / rates depend on fitting / ставки зависят от оков		P3	L3=A1-472	x1	90°/90°
			P4	L4=(H1-VR)+24	x1	90°/90°
			P5	L5=VR-276	x1	90°/90°

Staklo /Glass / Стекло

BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77
ds=24mm	ds=48mm
((A-75)/2-104) x(H-174)	
x2	

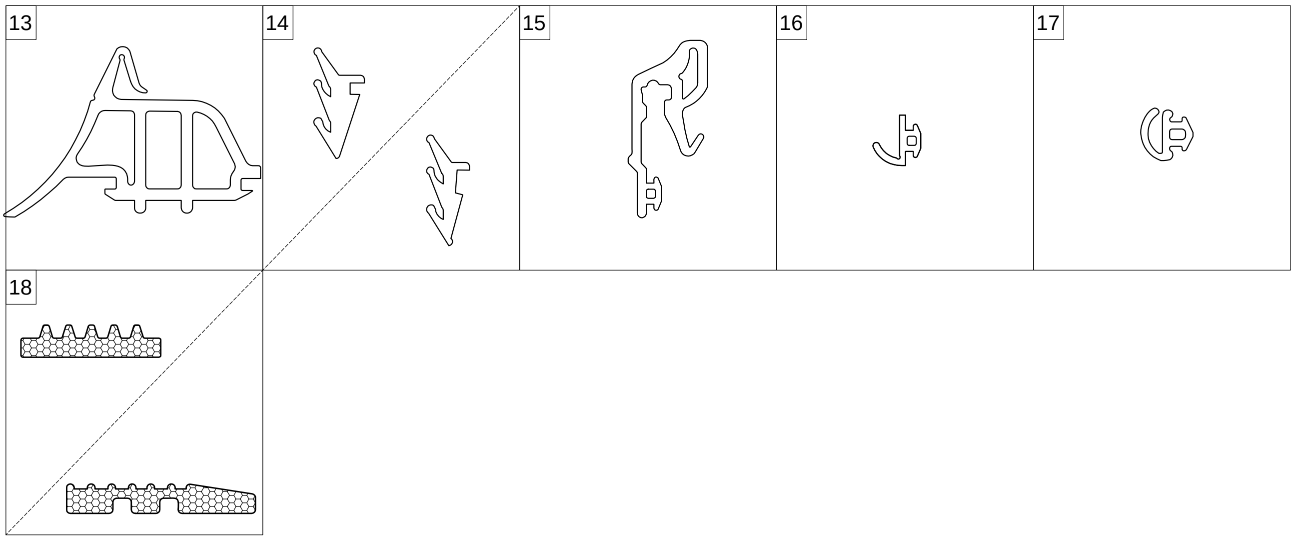
Pribor / Hardware / Аксессуаров

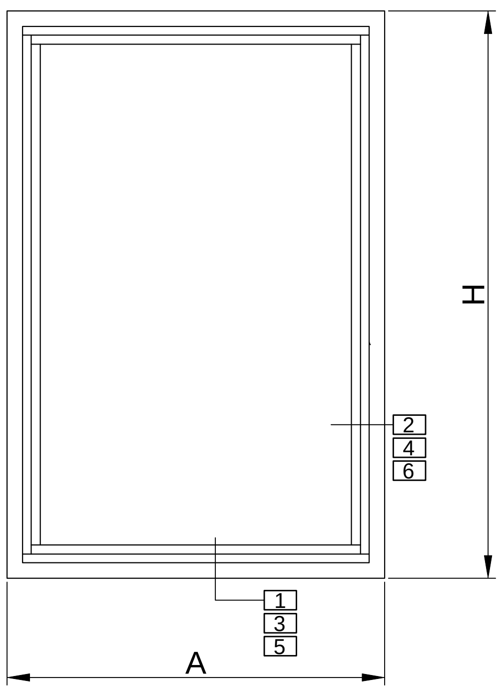
No	opis/description/ опицание	BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77	kom/pc/шт
1	podloška za staklo / glazing pad / коврик из стекла	30x75x5	50x75x5	12
2	ugaona spojnica / corner joint / угловое соединение	906		8
3	ugaona spojnica / corner joint / угловое соединение	909		8
4	ugaona spojnica / corner joint / угловое соединение	907		4
5	ugaona spojnica / corner joint / угловое соединение	911		4
6	spojnica u peru / thorn clip / суставы в перу	920		4
7	spojnica u peru / thorn clip / суставы в перу	TMA18		8
8	šraf / screw / винт	DIN 7982 4,2x32 (A2)		2
9	Čep profila veze dvokrilnog prozora / Double casement connection profile bung / Затычка соединительного профила двойной створки	998	1000	1
10	ugao centralne gume / Central seal vulcanized angle / угол центральные шины	936	937	4
11	podloška za staklo / glazing pad / коврик из стекла	962	964	6
12	maska drenažnog otvora / drainage bung of the rod / маска дренажные отверстия	TMP9		2-3

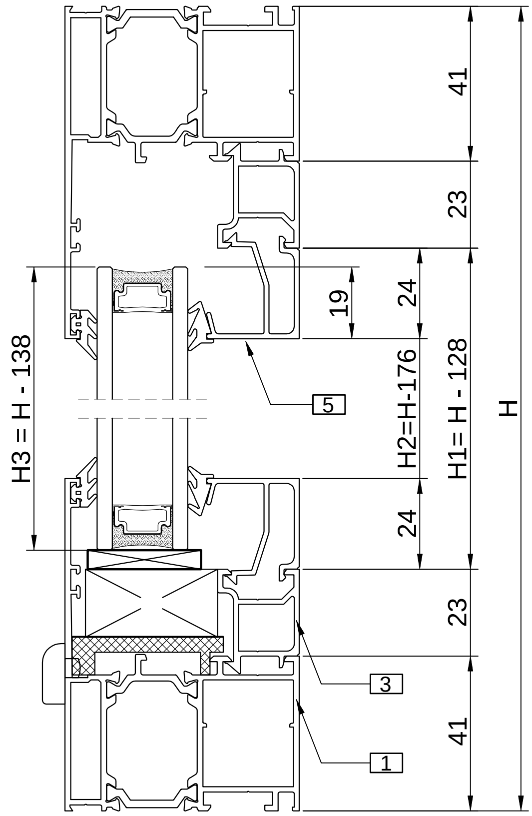


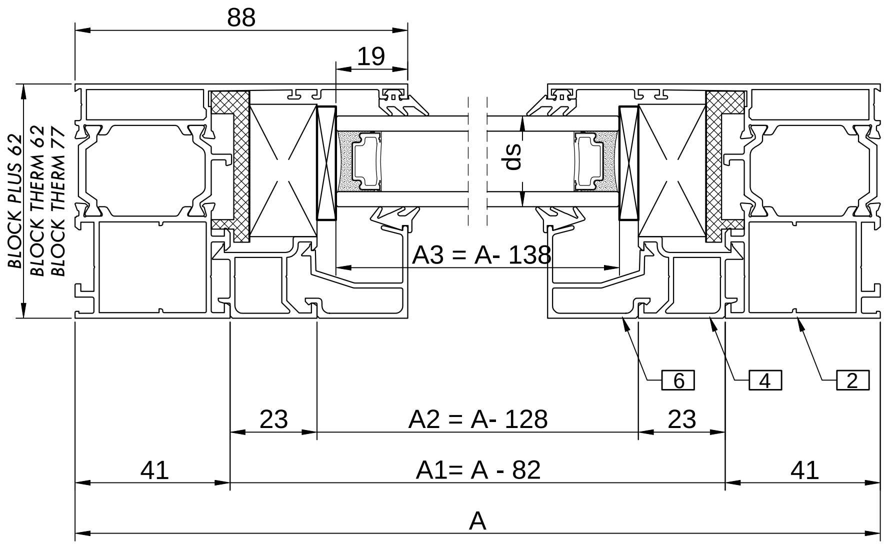
Gume / Gaskets / Резина

No	opis/description/опицание	BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77	metara/meter/метр
13	centralna guma / central seal / центральный прокладка	902	903	2x(A - 70) + 3xH1
14	guma za staklo / glazing gasket / остекление прокладка	TMG3	TMG2	4xA3+4xH3
15	guma za staklo / glazing gasket / остекление прокладка	997		4xA2+4x(H2+50)
16	guma na štoku / casement gasket / прокладка на раме	TMG5		2x(A-110)+3xH1
17	guma na krilu / casement gasket / прокладка на раме	TMG6		4xA1+3xH1
18	LDPE pena / LDPE foam / ЛДПЕ пена	- / 958	953	4xA3+4xH3





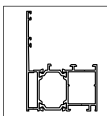
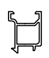
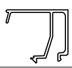




Staklo /Glass / Стекло

BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77
ds=24mm	ds=48mm
(A-138)x(H-138)	
x1	

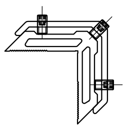
Profili / Profiles / Профили

	BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77	i	mm	kom	αa/αb
	643 / 638	743	1	A	x2	45°/45°
			2	H	x2	45°/45°
	128		3	A1=A-82	x2	90°/90°
			4	H1=H-128	x2	90°/90°
	ds=24mm 100	ds=48mm 106	5	A2=A-128	x2	90°/90°
			6	H2=H-176	x2	90°/90°

Pribor / Hardware / Аксессуаров

No	opis/description/ опицание	BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77	kom/pc/шт
1	ugaona spojnica / corner joint / угловое соединение	907		4
2	ugaona spojnica / corner joint / угловое соединение	911		4
3	spojnica u peru / thorn clip / суставы в перу	920		4
4	podloška za staklo / glazing pad / коврик из стекла	961		4
5	podloška za staklo / glazing pad / коврик из стекла	30x75x5	50x75x5	4
6	podloška za staklo / glazing pad / коврик из стекла	999		4
7	maska drenažnog otvora / drainage bung of the rod / маска дренажные отверстия	TMP9		2-4

1 2



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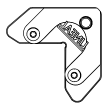

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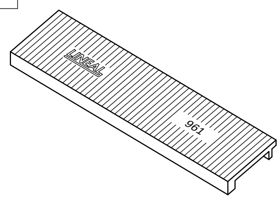

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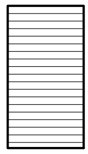

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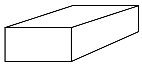

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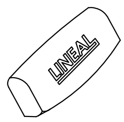
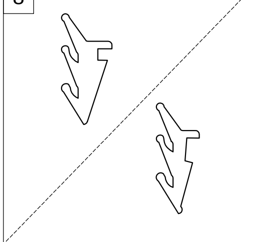


Gume / Gaskets / Резина

No	opis/description/опицание	BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77	metara/meter/метр
8	guma za staklo / glazing gasket / остекление прокладка	TMG3	TMG2	2xA3+2xH3
9	guma za staklo / glazing gasket / остекление прокладка	TMG9		2xA3+2xH3
10	LDPE pena / LDPE foam / ЛДПЕ пена	- / -	954	2xA3+2xH3

8



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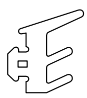

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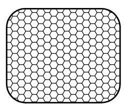
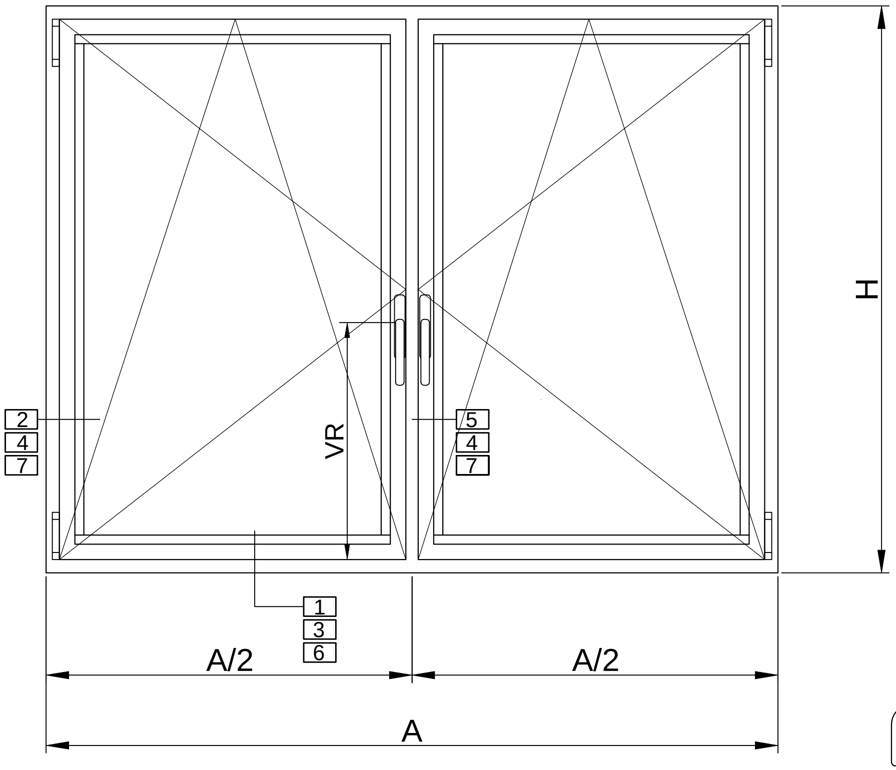
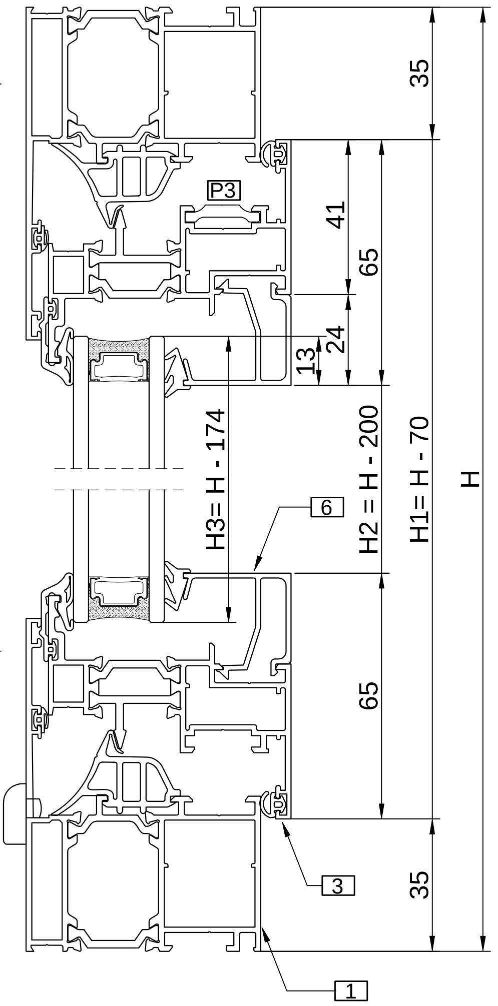
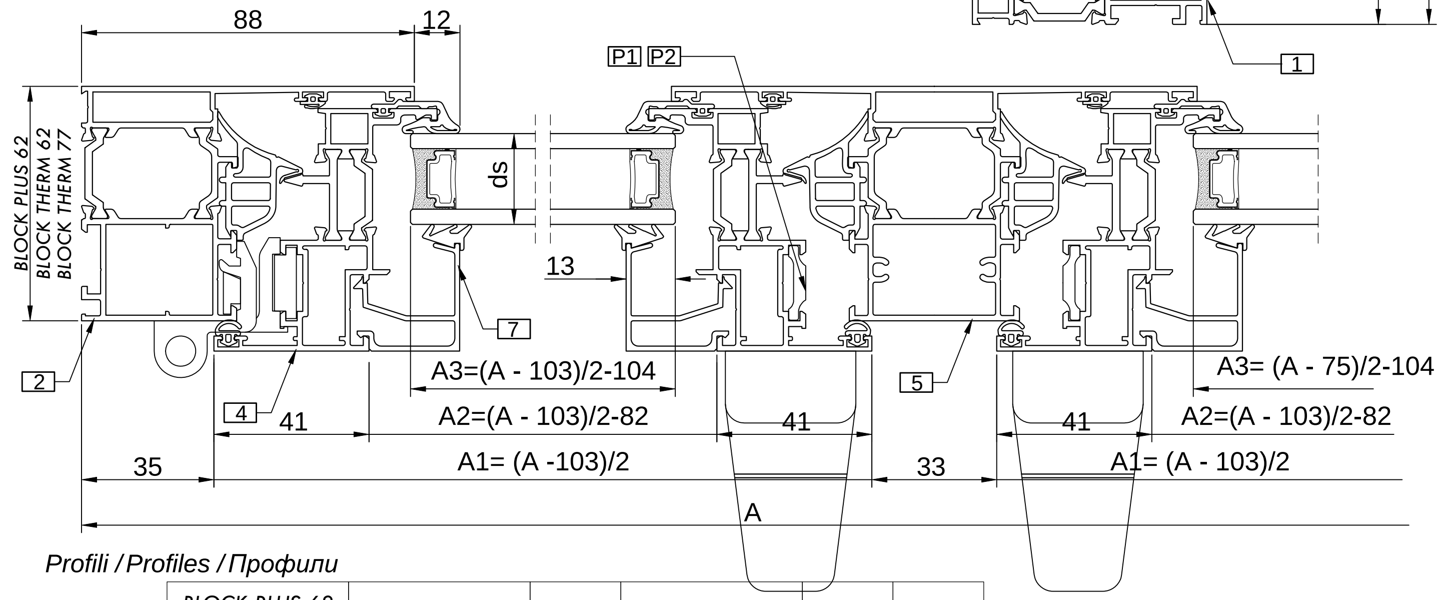








Profili / Profiles / Профили

	BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77	i	mm	kom	αa/αb
	643	743	1	A	x2	45°/45°
	638		2	H	x2	45°/45°
	644	744	3	A1= (A - 103)/2	x4	45°/45°
	639		4	H1=H-70	x4	45°/45°
	647 / 642	747	5	H-82 *(H-72)	x1	90°/90°
	ds=24mm 117	ds=48mm 116	6	A2=(A-103)/2 - 82	x4	90°/90°
			7	H2= H - 200	x4	90°/90°
	TM33		P1	L1=(H1-VR)-200	x2	90°/90°
			P2	L2=VR-205	x2	90°/90°
			P3	L3=A1-472	x2	90°/90°

Staklo / Glass / Стекло

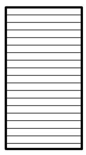
BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77
ds=24mm	ds=48mm
((A-103)/2-104) x(H-174)	
x2	

P1 P2 P3 * mere zavise od okova / rates depend on fitting / ставки зависят от оков

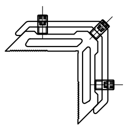
Pribor / Hardware / Аксессуаров

No	opis/description/ опицание	BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77	kom/pc/шт
1	podloška za staklo / glazing pad / коврик из стекла	30x75x5	50x75x5	12
2	ugaona spojnica / corner joint / угловое соединение	906		8
3	ugaona spojnica / corner joint / угловое соединение	909		8
4	ugaona spojnica / corner joint / угловое соединение	907		4
5	ugaona spojnica / corner joint / угловое соединение	911		4
6	spojnica u peru / thorn clip / суставы в перу	920		4
7	spojnica u peru / thorn clip / суставы в перу	TMA18		8
8	spojnica u peru / thorn clip / суставы в перу	934		4
9	šraf / screw / винт	DIN 7981	4,2x32 (A4)	4
10	ugao centralne gume / Central seal vulcanized angle / угол центральные шины	936	937	8
11	podloška za staklo / glazing pad / коврик из стекла	962	964	6
12	maska drenažnog otvora / drainage bung of the rod / маска дренажные отверстия	TMP9		2-3

1



2 3 4 5



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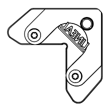

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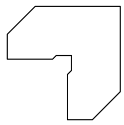
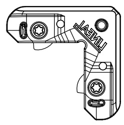
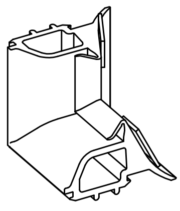


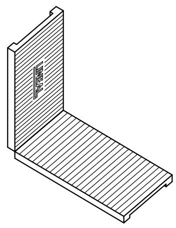
8



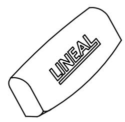
10



11



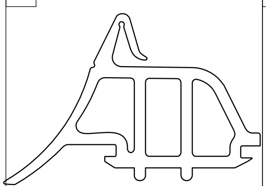
12



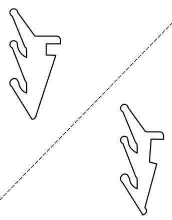
Gume / Gaskets / Резина

No	opis/description/опицание	BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77	metara/meter/метр
13	centralna guma / central seal / центральный прокладка	902	903	2x(A - 70) + 4xH1
14	guma za staklo / glazing gasket / остекление прокладка	TMG3	TMG2	4xA3+4xH3
15	guma za staklo / glazing gasket / остекление прокладка	997		4xA2+4x(H2+50)
16	guma na štoku / casement gasket / прокладка на раме	TMG5		2x(A-110)+4xH1
17	guma na krilu / casement gasket / прокладка на раме	TMG6		4xA1+4xH1
18	LDPE pena / LDPE foam / ЛДПЕ пена	- / 958	953	4xA3+4xH3

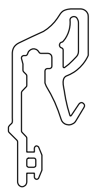
13



14



15



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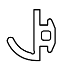
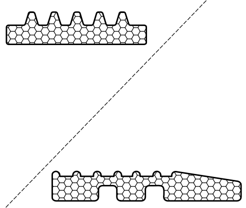
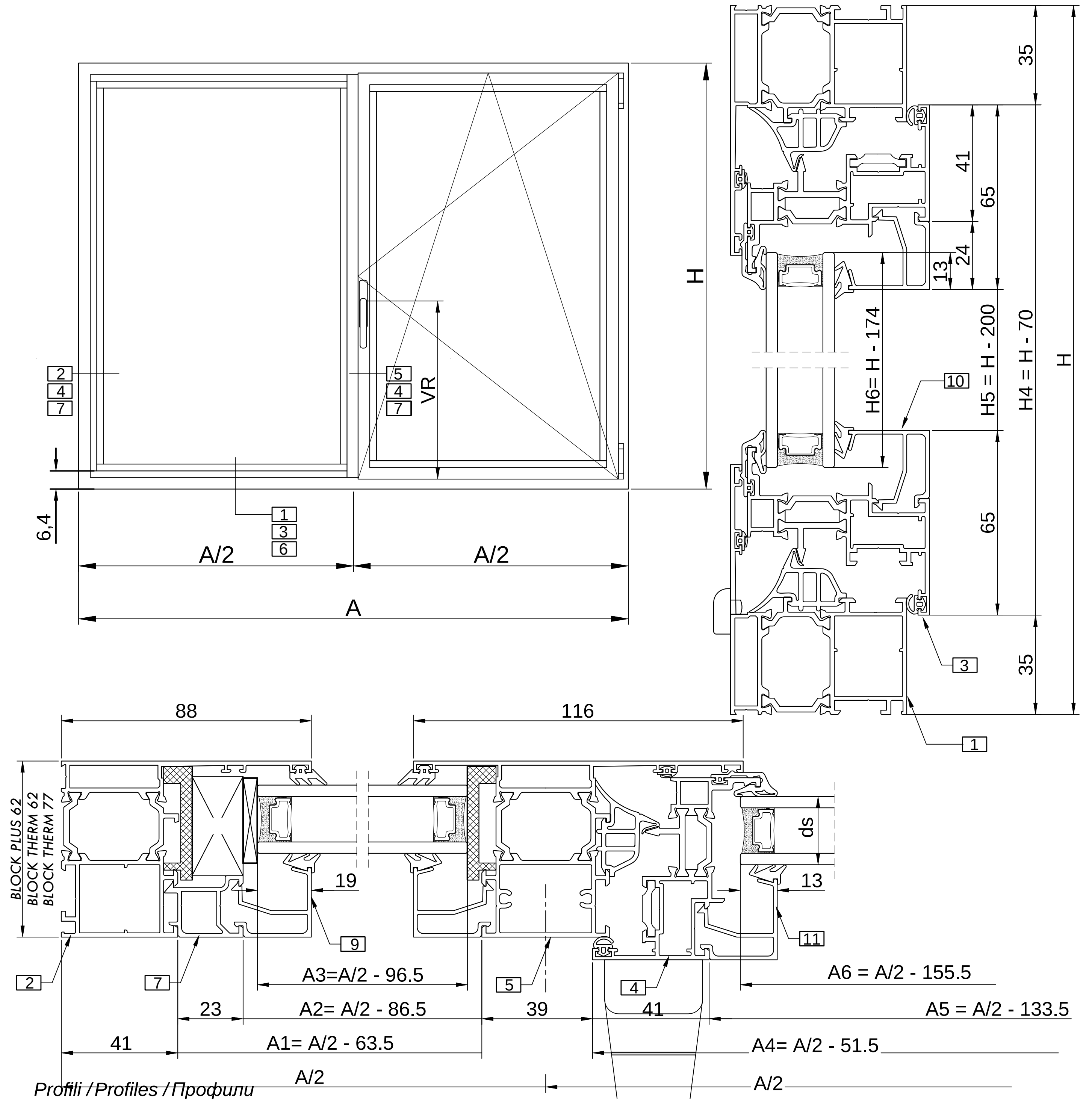


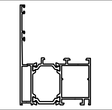
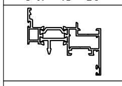
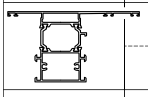
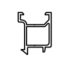
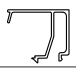
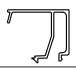
17

18





Profili / Profiles / Профили

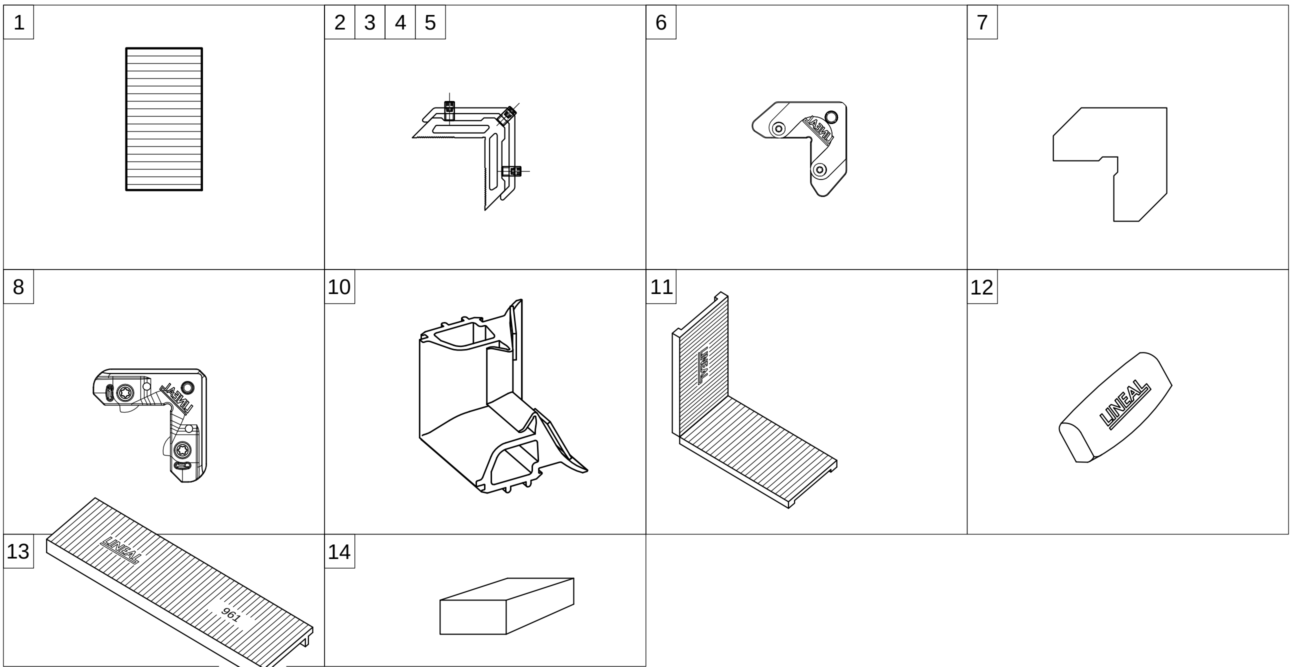
	BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77	i	mm	kom	αa/αb
	643	743	1	A	x2	45°/45°
	638		2	H	x2	45°/45°
	644	744	3	A4= A/2 - 51.5	x2	45°/45°
	639		4	H4=H-70	x2	45°/45°
	646 / 641	746	5	H-82 *(H-72)	x1	90°/90°
	128		6	A1= A/2- 63.5	x2	90°/90°
			7	H1=H-128	x1	90°/90°
	ds=24mm 100	ds=48mm 106	8	A2= A/2 - 86.5	x2	90°/90°
			9	H2= H - 176	x2	90°/90°
	ds=24mm 117	ds=48mm 116	10	A5 =A/2 - 133.5	x4	90°/90°
			11	H5 = H - 200	x4	90°/90°
	* mere zavise od okova / rates depend on fitting / ставки зависят от оков					

Staklo /Glass / Стекло

BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77
ds=24mm	ds=48mm
A3=A/2 -96.5 x H3 = H-138	
x1	
A6=A/2 -155.5 x H6 = H-174	
x1	

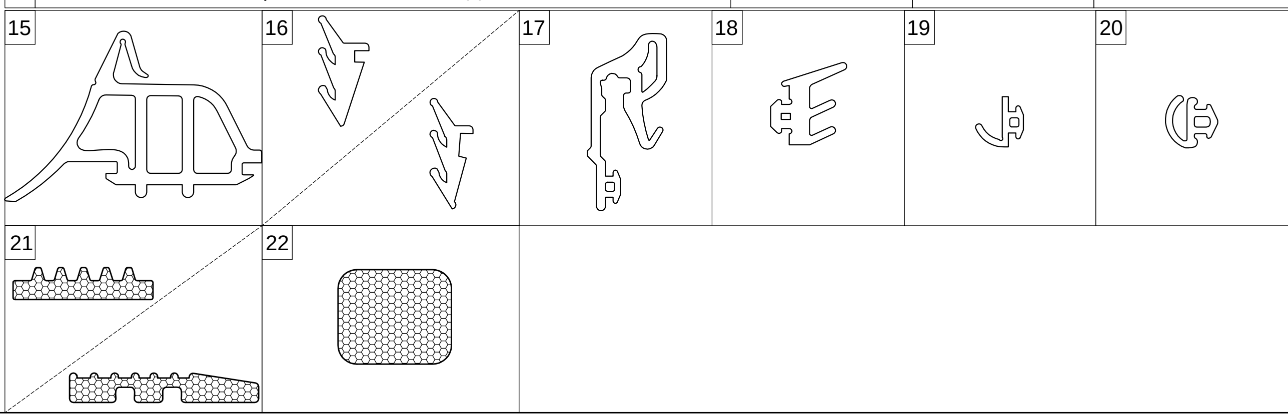
Pribor / Hardware / Аксессуаров

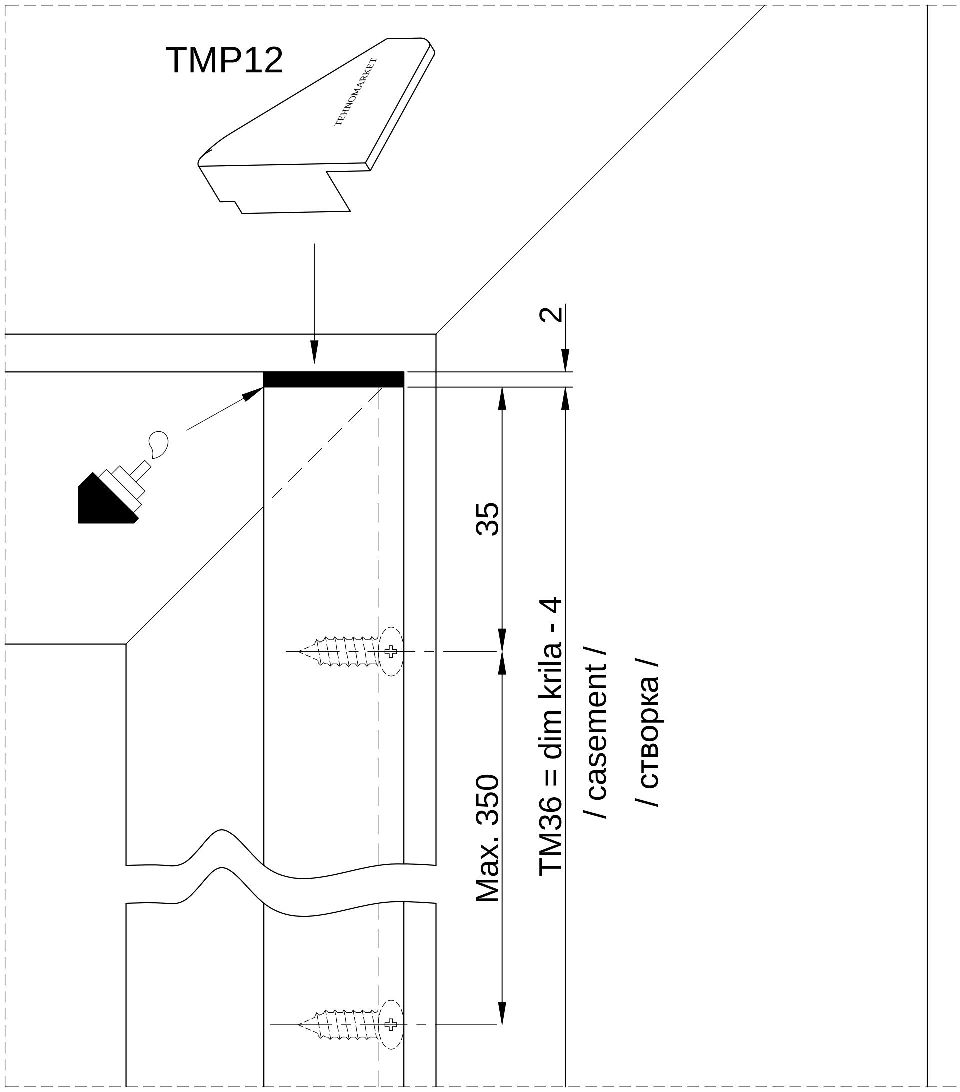
No	opis/description/ опицание	BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77	kom/pc/шт
1	podloška za staklo / glazing pad / коврик из стекла	30x75x5	50x75x5	10
2	ugaona spojnica / corner joint / угловое соединение	906		4
3	ugaona spojnica / corner joint / угловое соединение	909		4
4	ugaona spojnica / corner joint / угловое соединение	907		4
5	ugaona spojnica / corner joint / угловое соединение	911		4
6	spojnica u peru / thorn clip / суставы в перу	920		4
7	spojnica u peru / thorn clip / суставы в перу	TMA18		4
8	spojnica u peru / thorn clip / суставы в перу	934		4
9	šraf / screw / винт	DIN 7981	4,2x32 (A4)	4
10	ugao centralne gume / Central seal vulcanized angle / угол центральные шины	936	937	4
11	podloška za staklo / glazing pad / коврик из стекла	962	964	3
12	maska drenažnog otvora / drainage bung of the rod / маска дренажные отверстия	TMP9		2-3
13	podloška za staklo / glazing pad / коврик из стекла	961		4
14	podloška za staklo / glazing pad / коврик из стекла	999		4

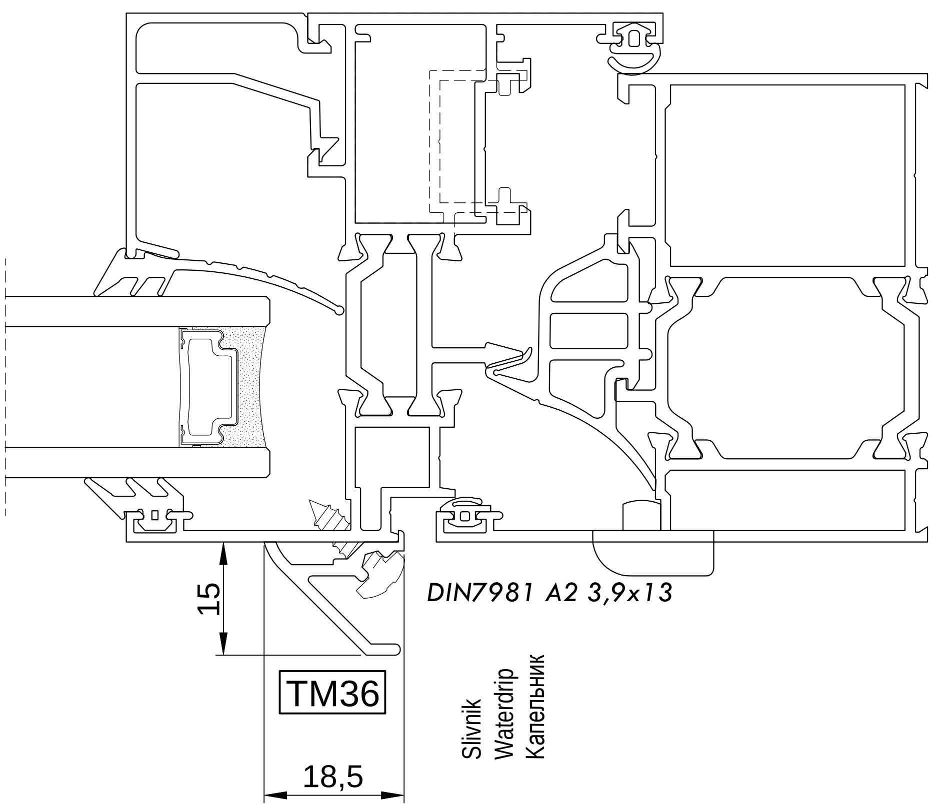


Gume / Gaskets / Резина

No	opis/description/опицание	BLOCK PLUS 62 / BLOCK THERM 62	BLOCK THERM 77	metara/meter/метр
15	centralna guma / central seal / центральный прокладка	902	903	2x A4 + 2x H4
16	guma za staklo / glazing gasket / остекление прокладка	TMG3	TMG2	2xA3+2xH3+2xA6+2xH6
17	guma za staklo / glazing gasket / остекление прокладка	997		2xA5+2x(H5+50)
18	guma za staklo / glazing gasket / остекление прокладка	TMG9		2xA3+2xH3
19	guma na štoku / casement gasket / прокладка на раме	TMG5		2xA4 + 2xH4
20	guma na krilu / casement gasket / прокладка на раме	TMG6		2xA4 + 2xH4
21	LDPE pena / LDPE foam / ЛДПЕ пена		953	2xA6+2xH6
22	LDPE pena / LDPE foam / ЛДПЕ пена		954	2xA3+2xH3

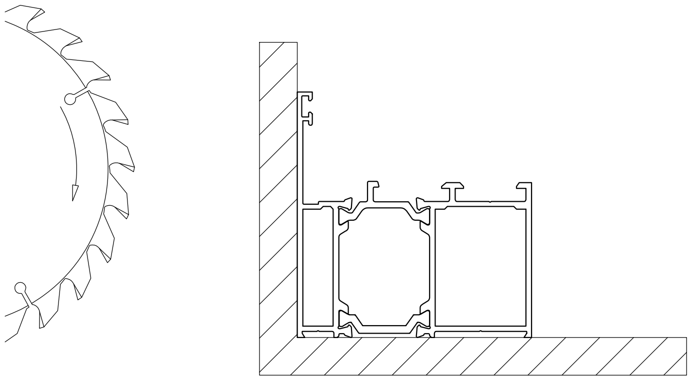



TMP12
2
35
Max. 350
TM36 = dim krila - 4
/ casement /
/ створка /

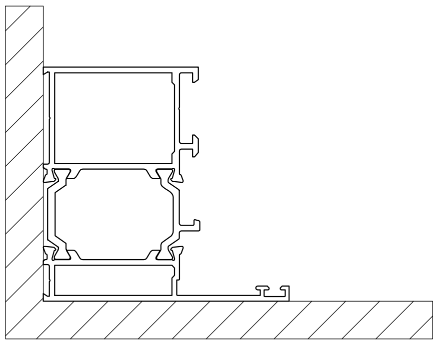

DIN7981 A2 3,9x13
15
TM36
18,5
Slivnik
Waterdrip
Капельник

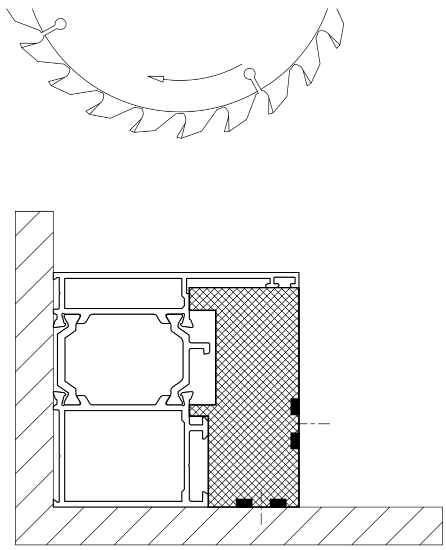
Mašinska obrada
Machining
Обработка

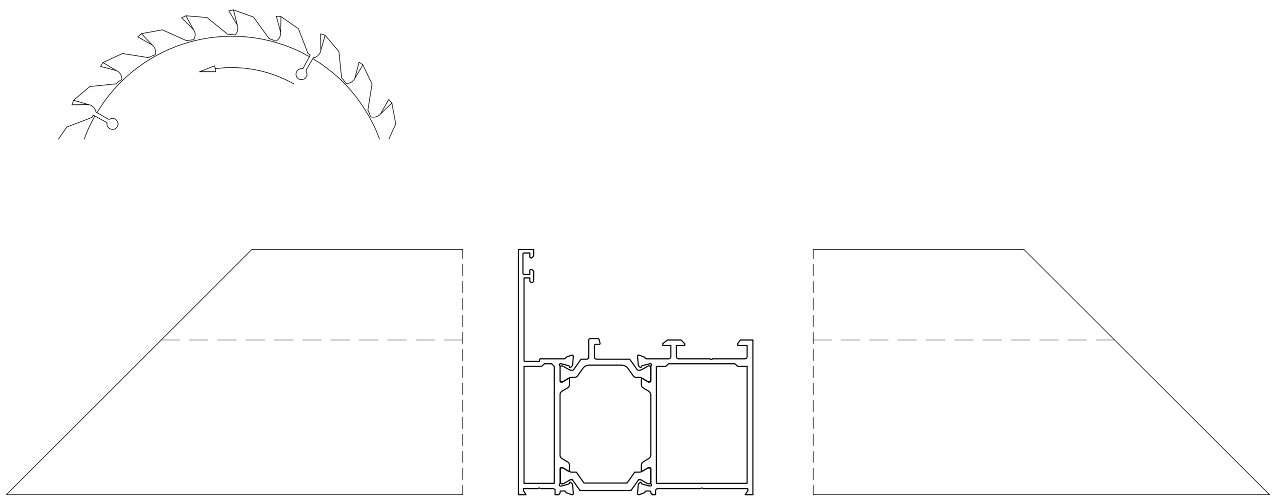
LINEAL ST 54	501	517	524	528	530
LINEAL PLUS 62	601	617	624	628	630
LINEAL THERM 62	661	677	684	688	652
LINEAL THERM 77	701	717	724	728	730



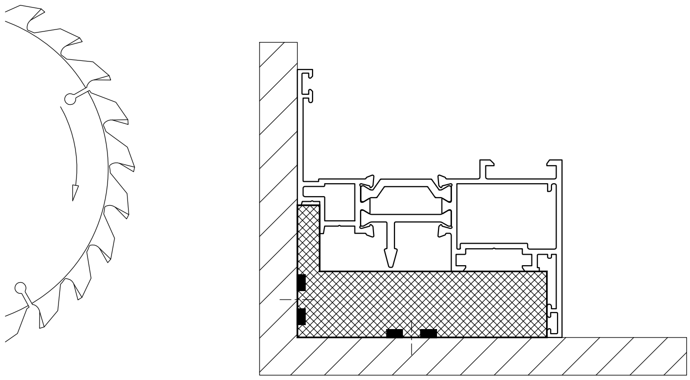
Profil štoka mora biti stabilno oslonjen
Frame profile must be stable rest
Профиль рамы должен быть стабильный



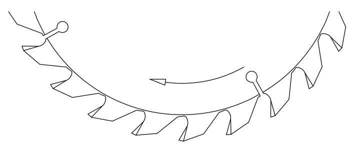


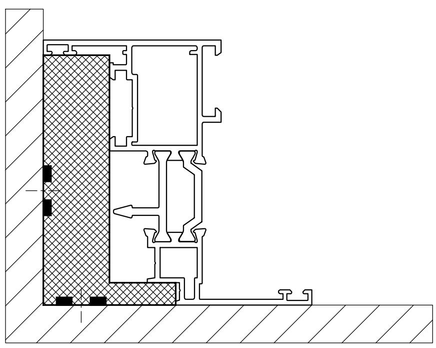


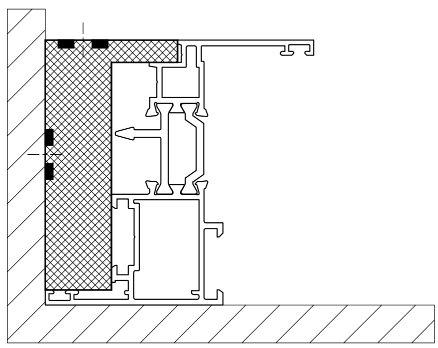
LINEAL ST 54	504	505	514	515	519	520	522	525
LINEAL PLUS 62	604	605	614	615	619	620	622	625
LINEAL THERM 62	664	665	674	675	679	680	682	685
LINEAL THERM 77	704	705	714	715	719	720	722	725

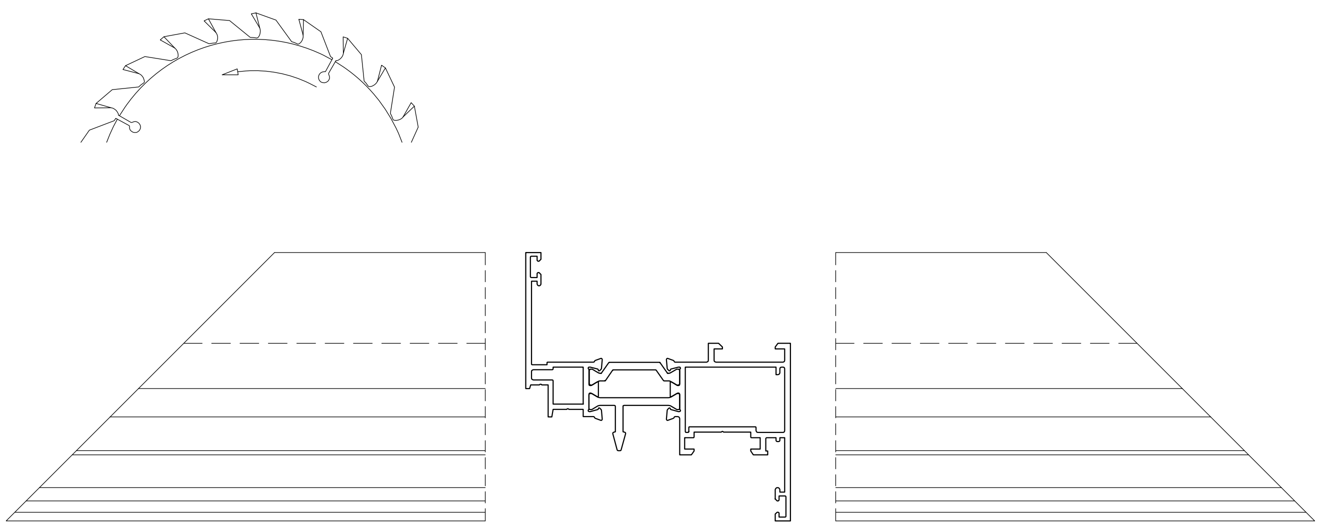


Profil krila mora biti stabilno oslonjen u alatu
Frame profile must be stable rest in tool
Профиль створки должен быть стабильный

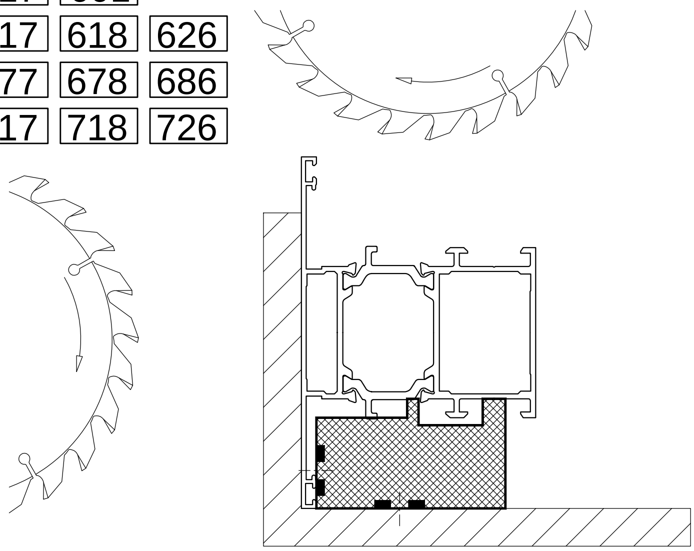




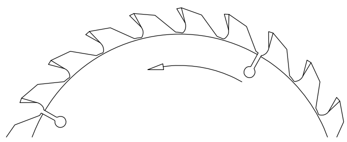




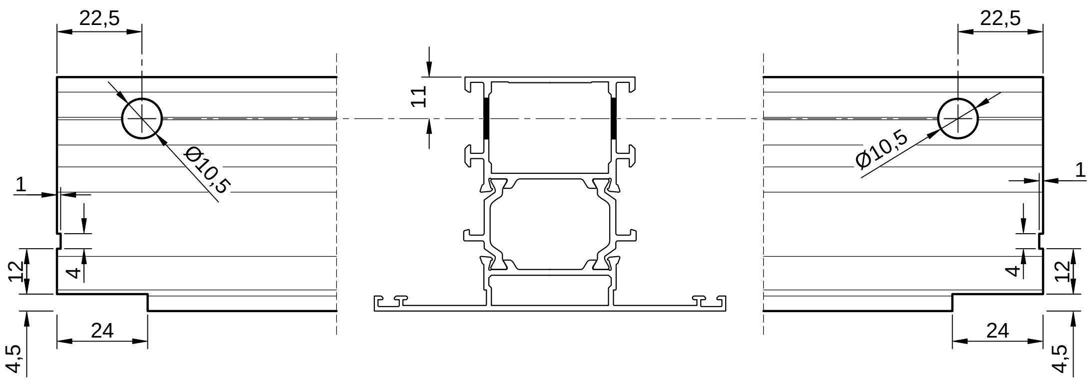
LINEAL ST 54	502	503	513	516	517	601	
LINEAL PLUS 62	602	603	613	616	617	618	626
LINEAL THERM 62	662	663	673	676	677	678	686
LINEAL THERM 77	702	703	713	716	717	718	726

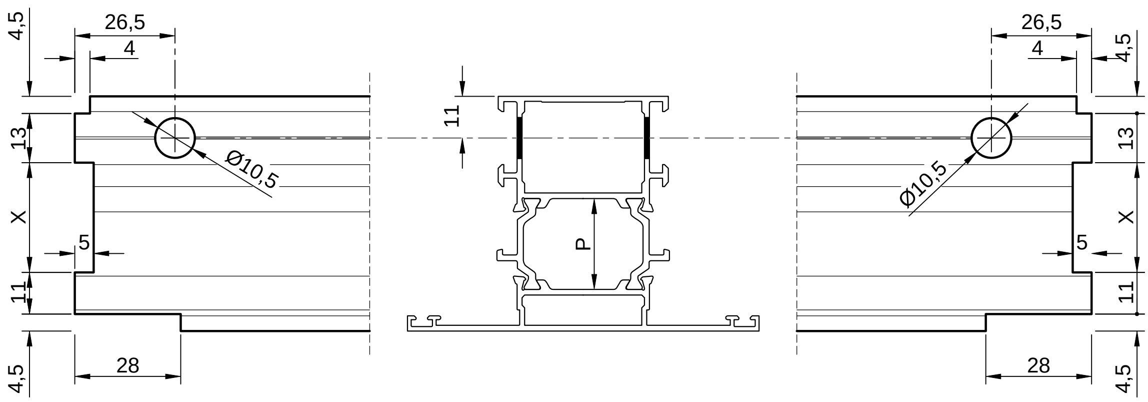


Profil prečke mora biti stabilno oslonjen
Crossbar profile must be stable rest
Профиль должен быть стабильный



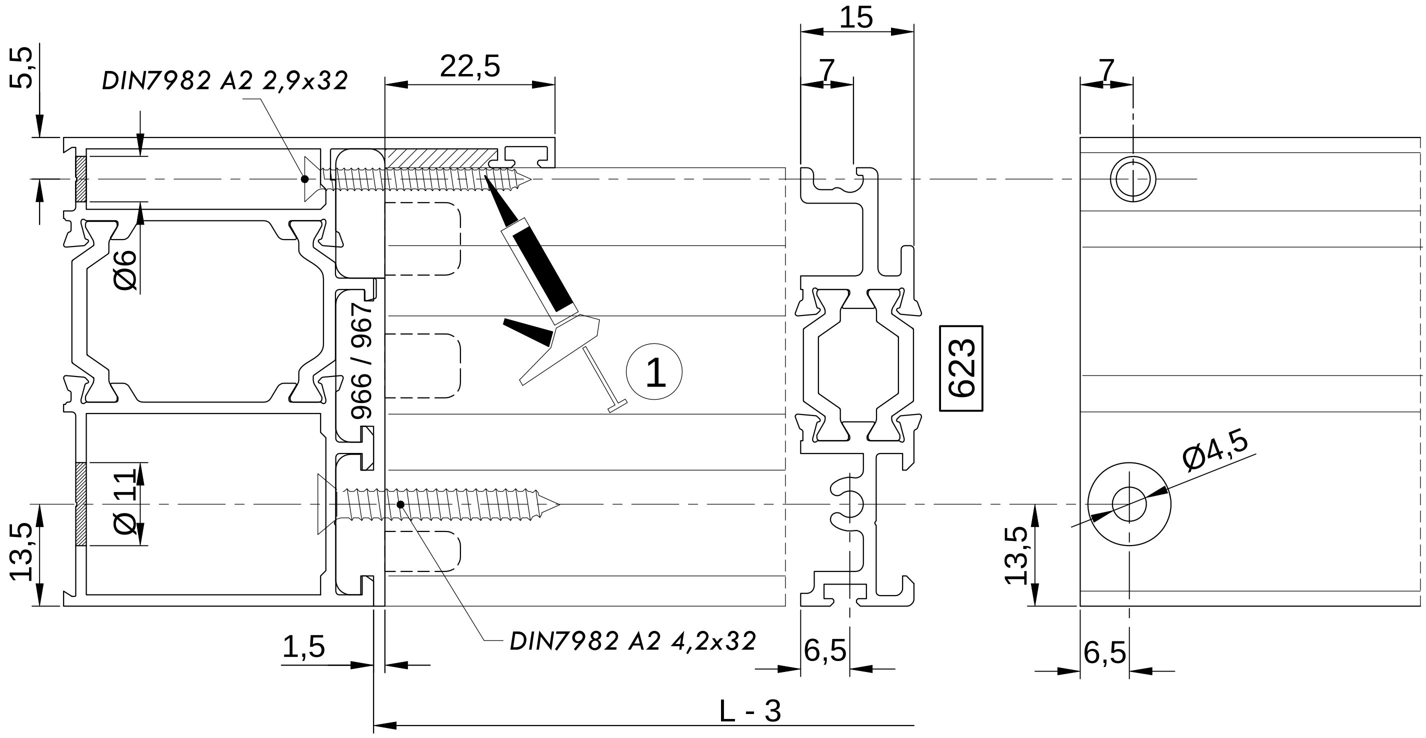
Koristiti LINEAL presu i glodala
Use LINEAL press and milling cutter
Использовать LINEAL пресс и резаки



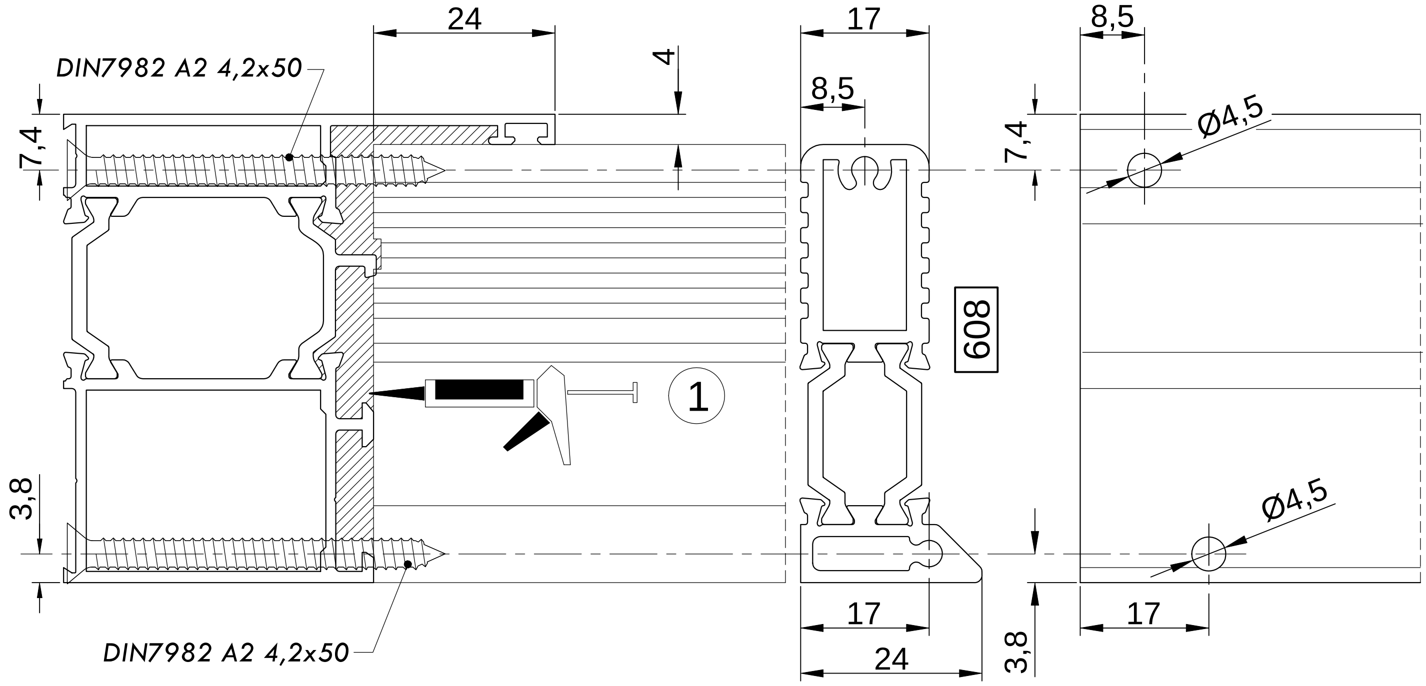


P	X	Profil prečke / Crossbar profile/ Профиль должен									presa press пресс	glodala milling cutter резаки
16mm	21mm	502	513	517							M1, P1	SG1
24mm	29mm	503	516	601	602	613	617	662	673	677	M1, P1	SG2
32mm	37mm	603	616	618	626	663	676	678	686		M1, P1	SG3
39mm	44mm	702	713	717							M1, P1	SG4
47mm	51mm	703	716	718	726						M1, P1	SG5

LINEAL ST 54 | 523
LINEAL PLUS 62 | 623
LINEAL THERM 62 | 683
LINEAL THERM 77 | 723

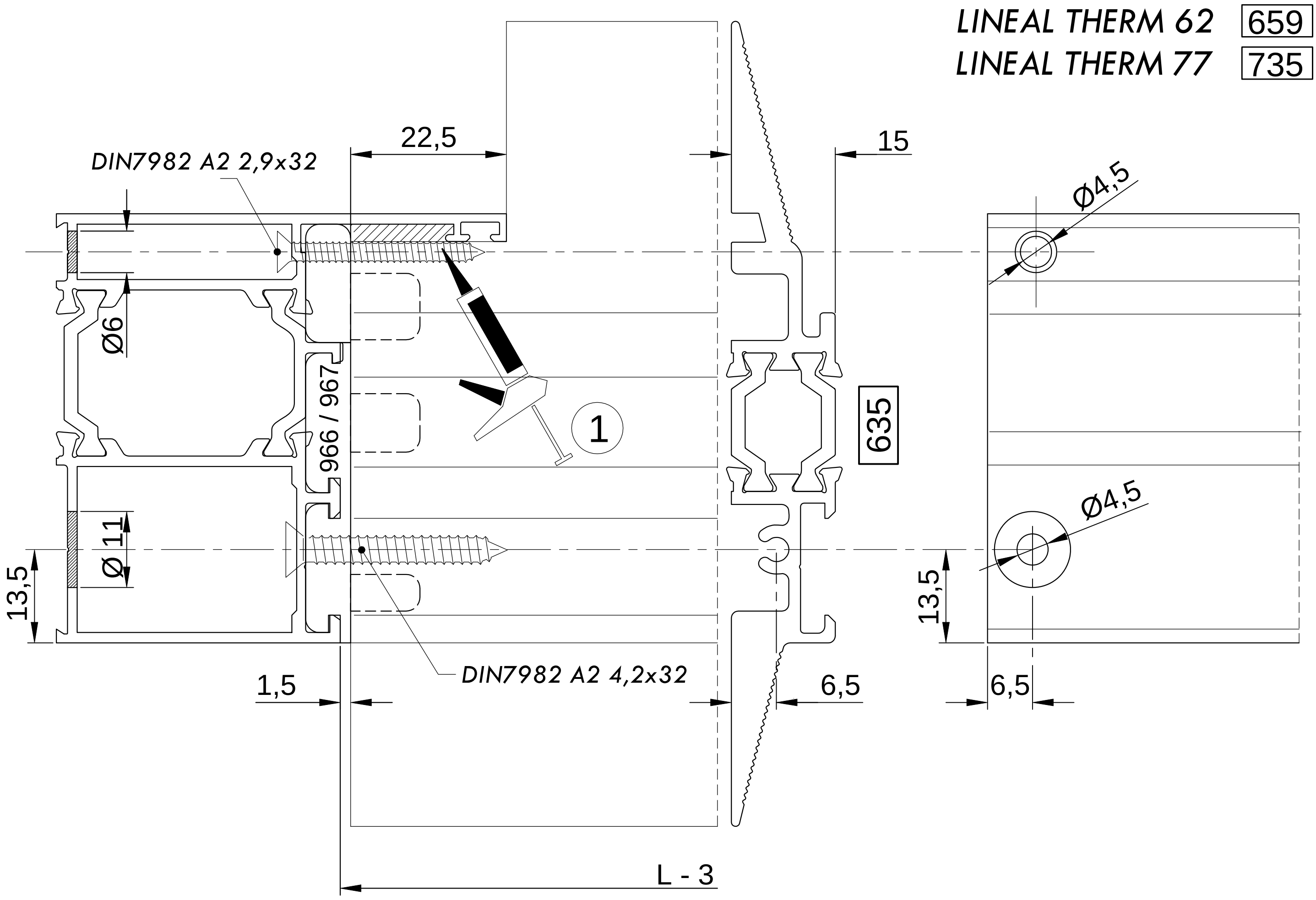


LINEAL ST 54 | 508
LINEAL PLUS 62 | 608
LINEAL THERM 62 | 668
LINEAL THERM 77 | 708

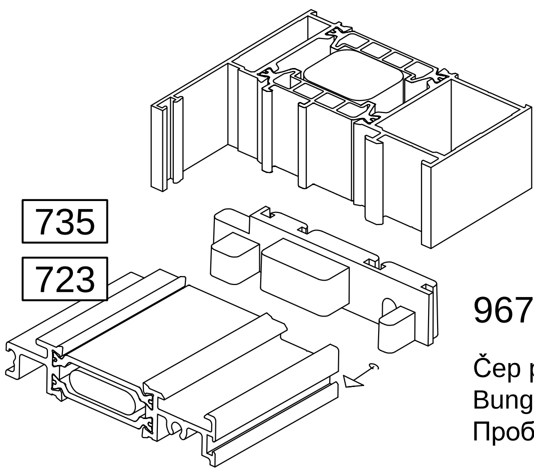


1 Lepak i zaptivna masa za alumijum
Glue and sealent for aluminium
Клей и герметик для алюминия

LINEAL ST 54 535
LINEAL PLUS 62 635
LINEAL THERM 62 659
LINEAL THERM 77 735

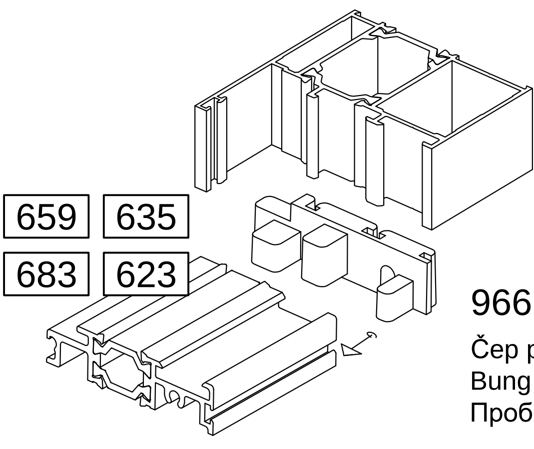


1 Lepak i zaptivna masa za alumijum
Glue and sealent for aluminium
Клей и герметик для алюминия



967

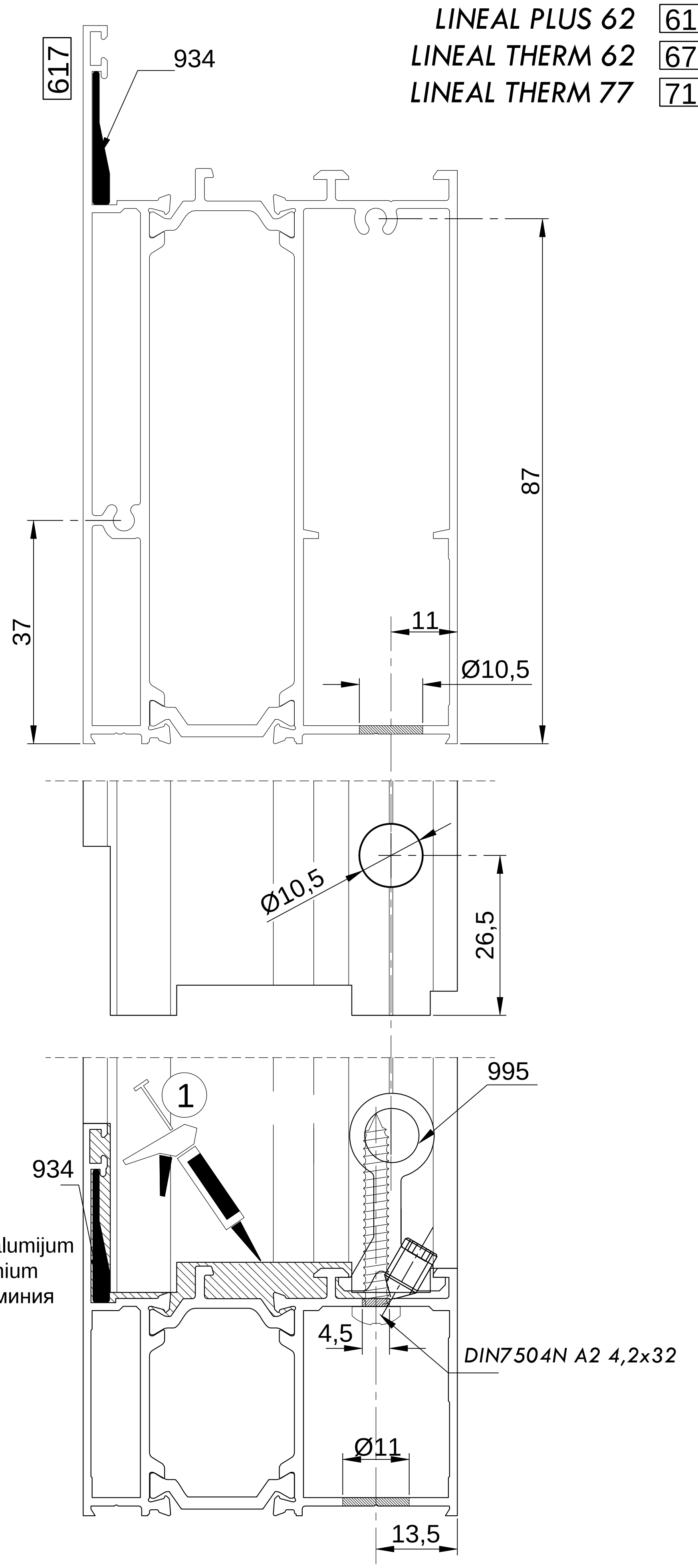
Čep praga
Bung threshold
Пробка порога



966

Čep praga
Bung threshold
Пробка порога

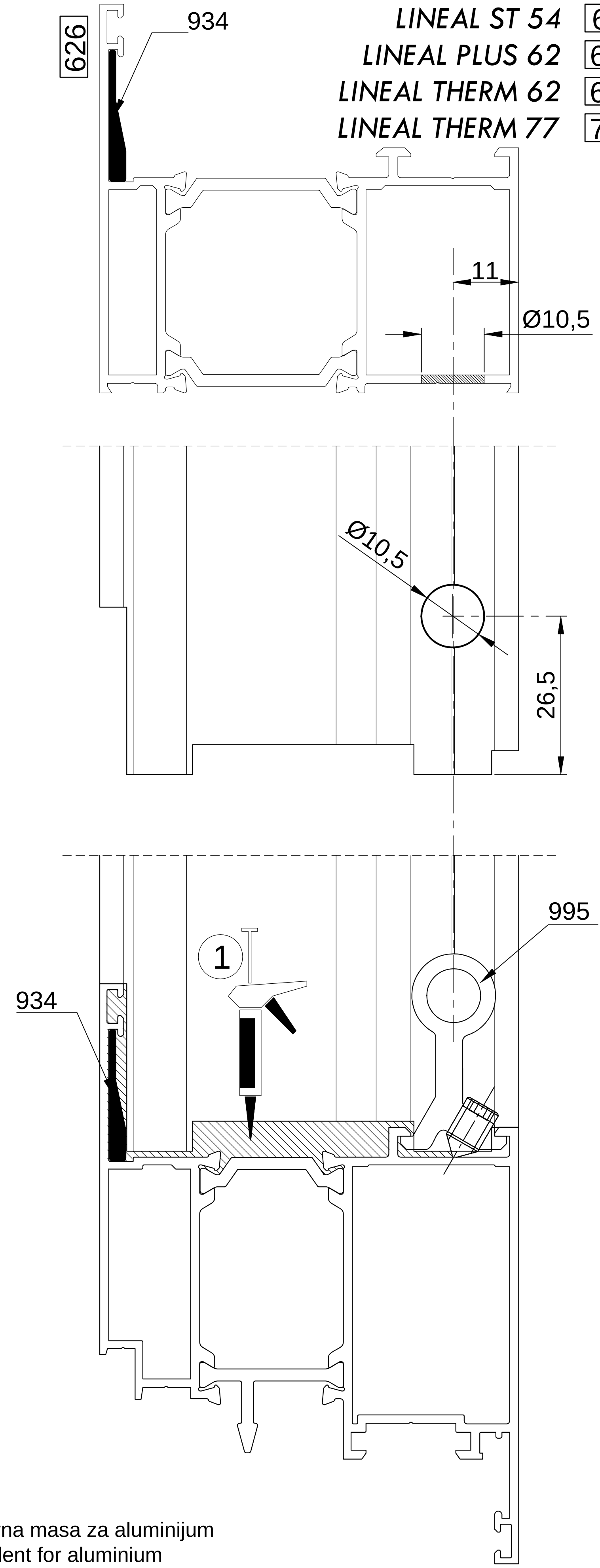
LINEAL ST 54 | 517
LINEAL PLUS 62 | 617
LINEAL THERM 62 | 677
LINEAL THERM 77 | 717



1

Lepak i zaptivna masa za alumijum
Glue and sealent for aluminium
Клей и герметик для алюминия

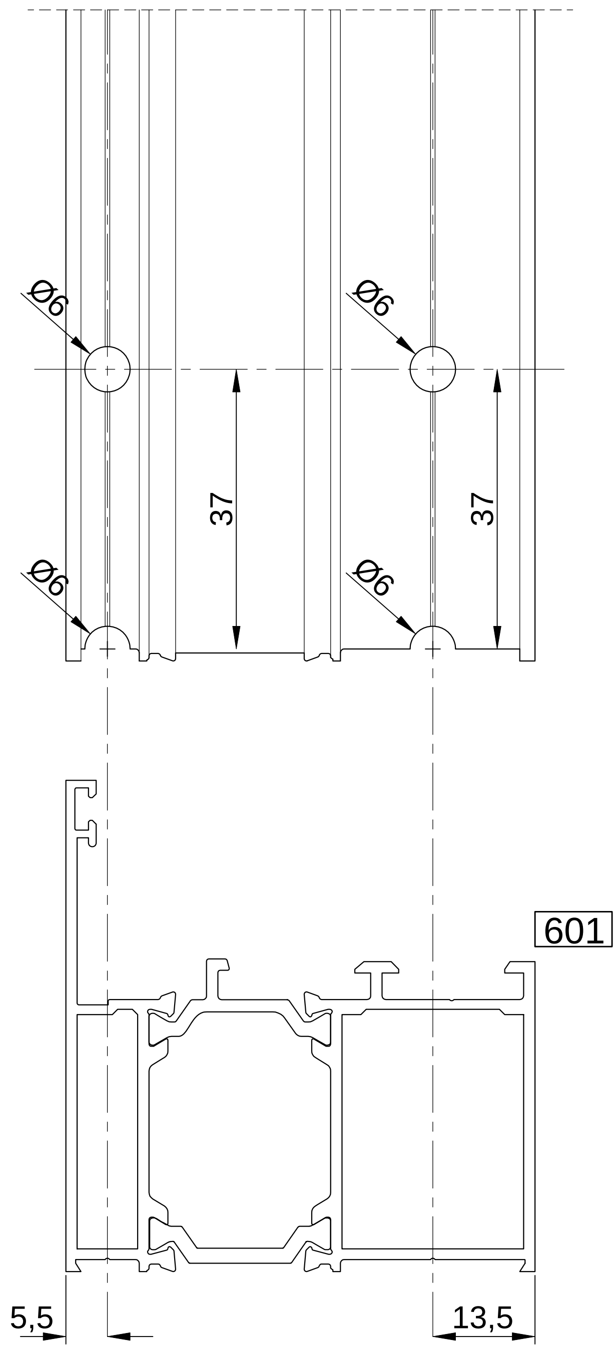
LINEAL ST 54	601	617
LINEAL PLUS 62	626	618
LINEAL THERM 62	686	678
LINEAL THERM 77	726	718

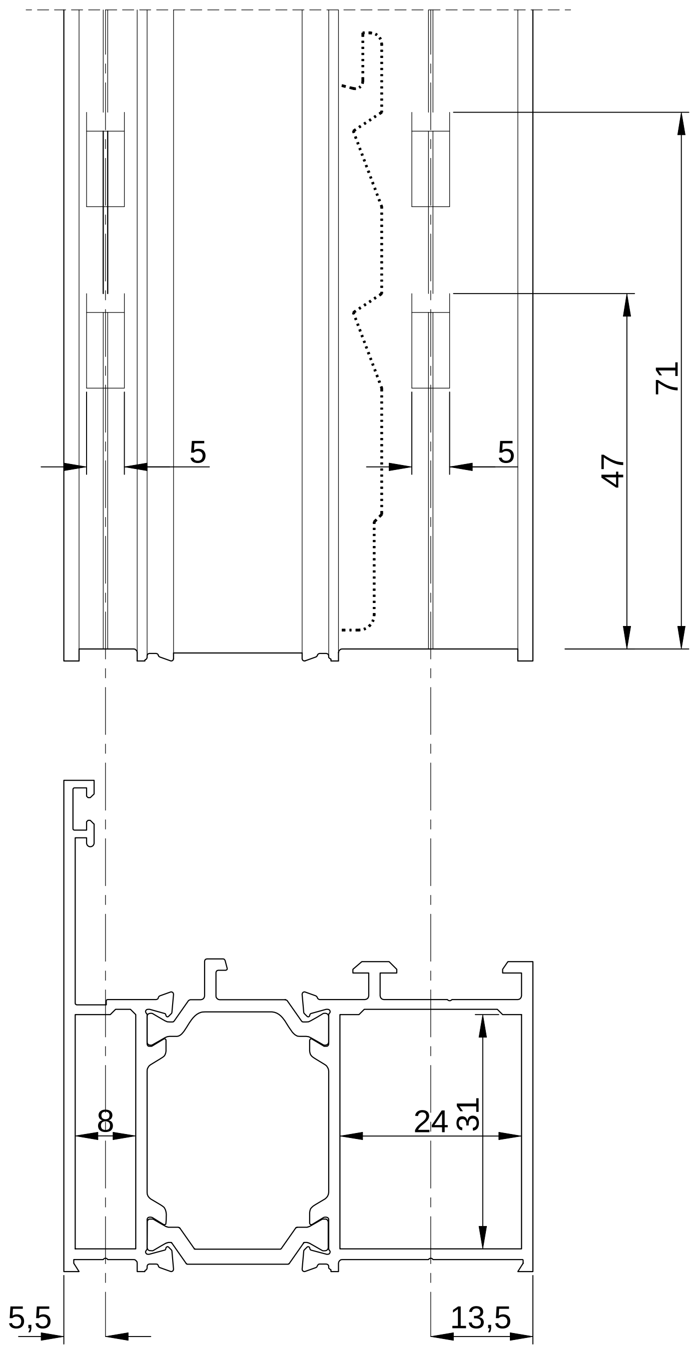


1 Lepak i zaptivna masa za aluminijum
Glue and sealent for aluminium
Клей и герметик для алюминия

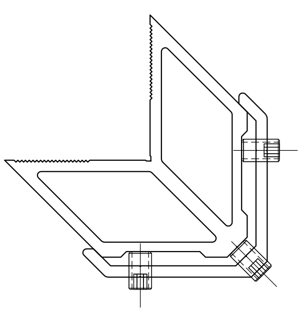
LINEAL ST 54	501	517
LINEAL PLUS 62	601	617
LINEAL THERM 62	661	677
LINEAL THERM 77	701	717

Koristiti LINEAL presu
Use LINEAL press
Использовать LINEAL пресс

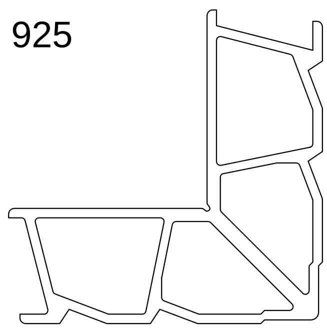




911 908

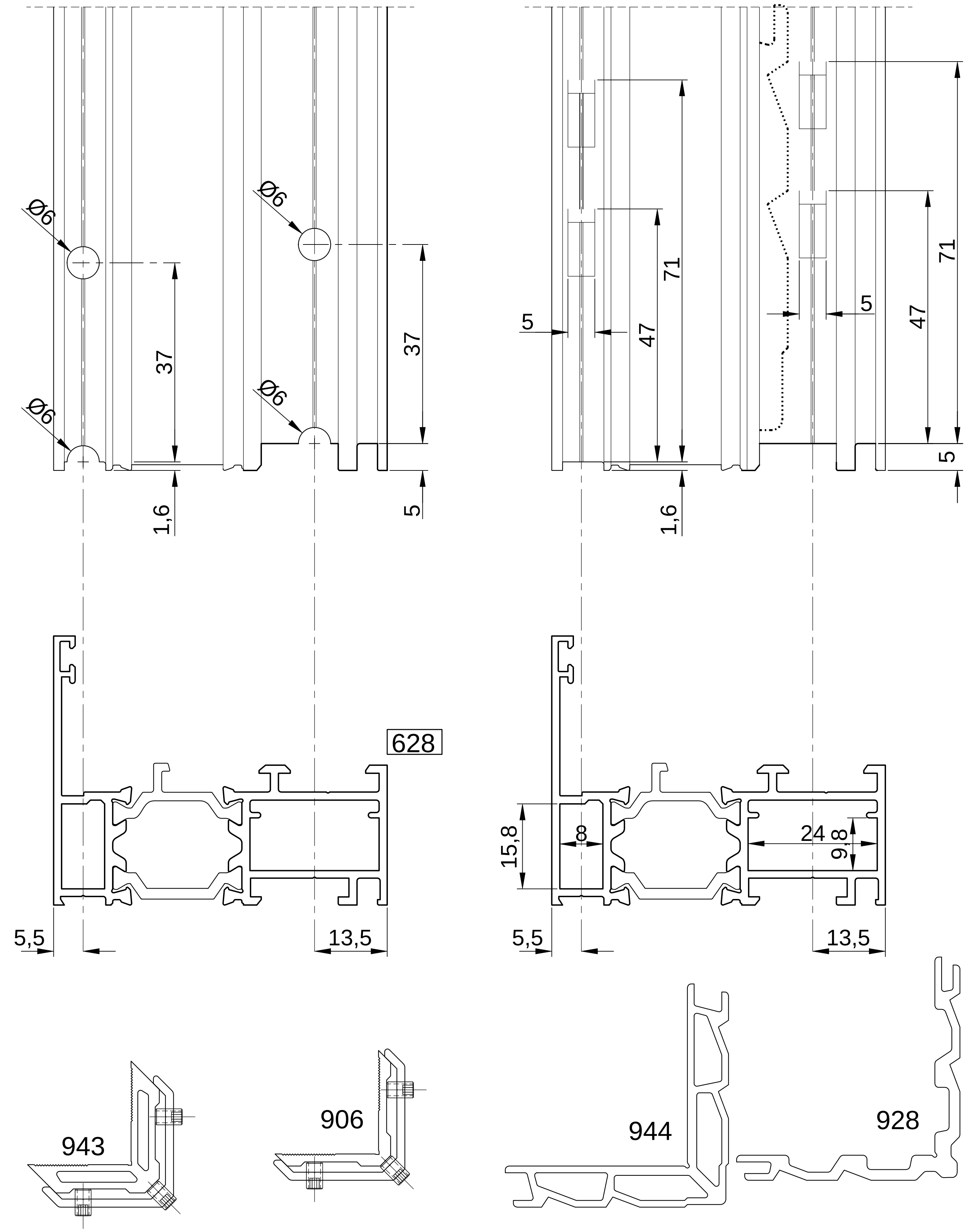


925 923



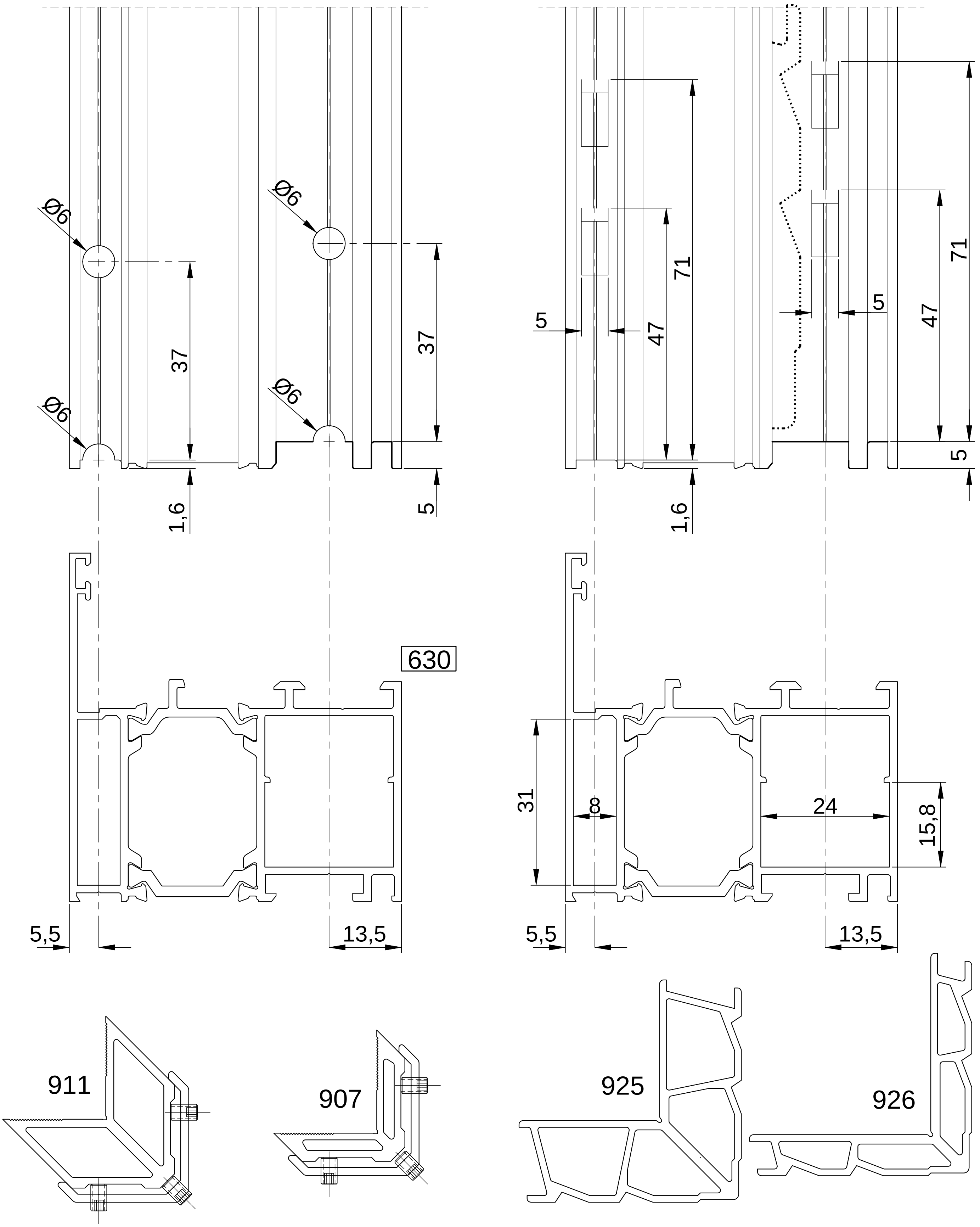
LINEAL ST 54 528
LINEAL PLUS 62 628
LINEAL THERM 62 686
LINEAL THERM 77 728

Koristiti LINEAL presu
Use LINEAL press
Использовать LINEAL пресс



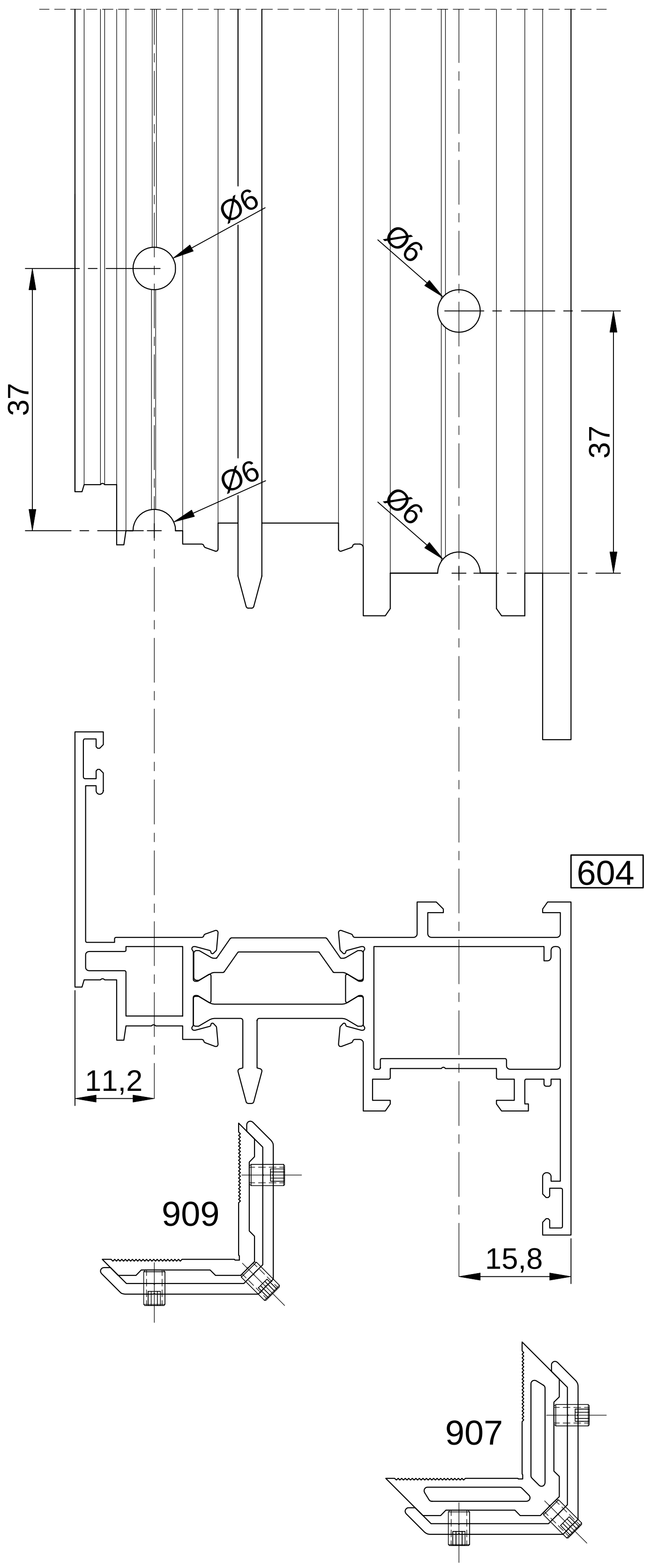
LINEAL ST 54 530
LINEAL PLUS 62 630
LINEAL THERM 62 652
LINEAL THERM 77 730

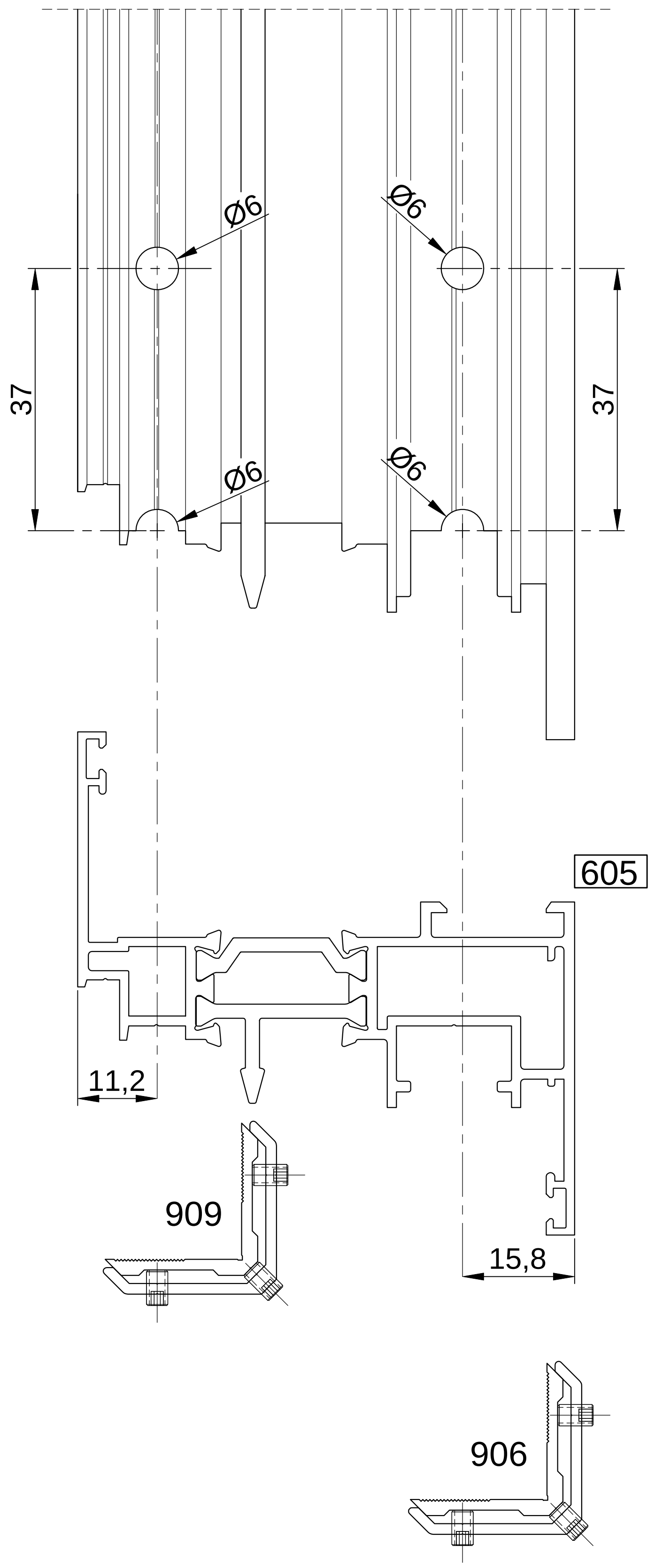
Koristiti LINEAL presu
Use LINEAL press
Использовать LINEAL пресс



LINEAL ST 54	504	505	514	515	519	520	522	525
LINEAL PLUS 62	604	605	614	615	619	620	622	625
LINEAL THERM 62	664	665	674	675	679	680	682	685
LINEAL THERM 77	704	705	714	715	719	720	722	725

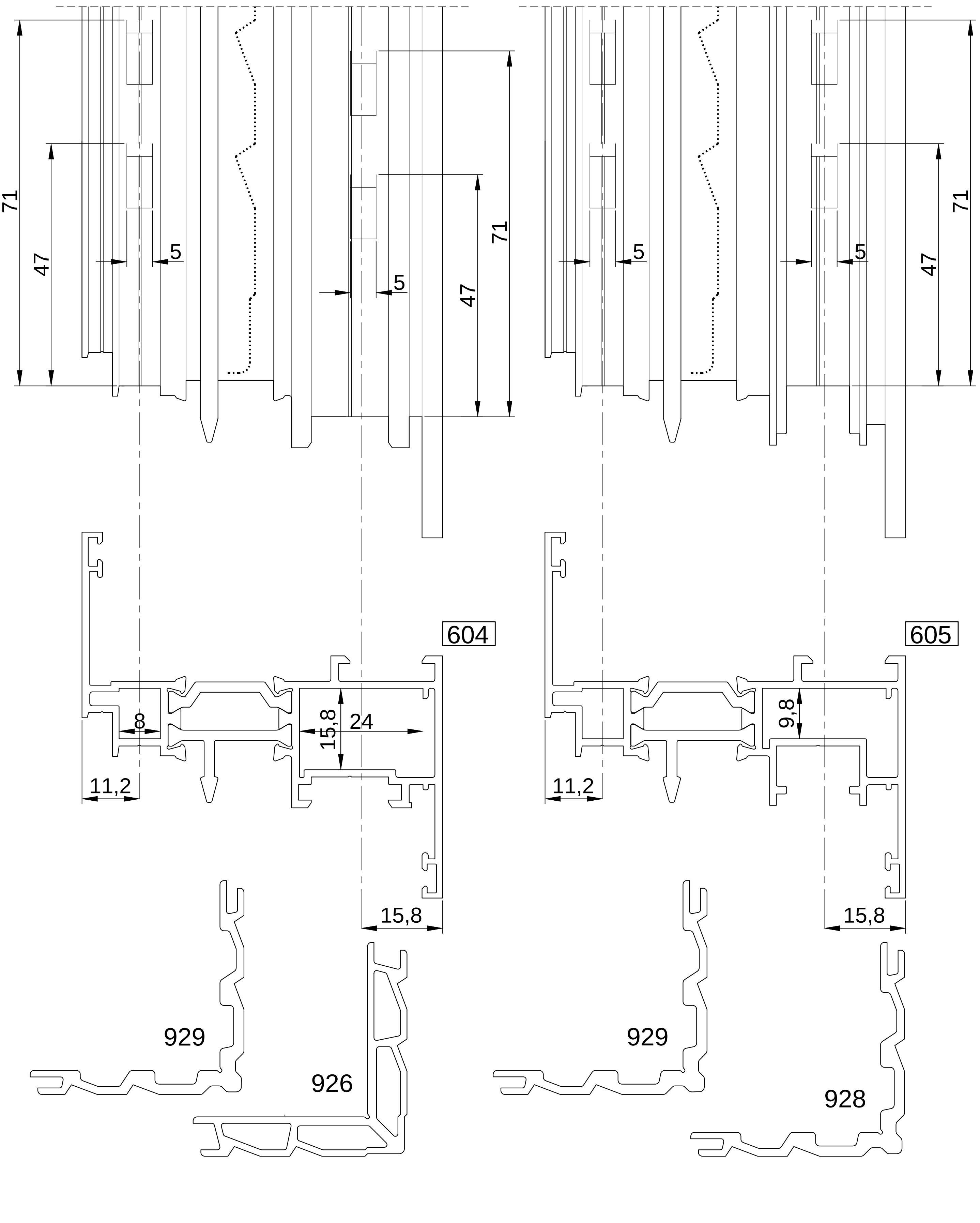
Koristiti LINEAL presu
Use LINEAL press
Использовать LINEAL пресс





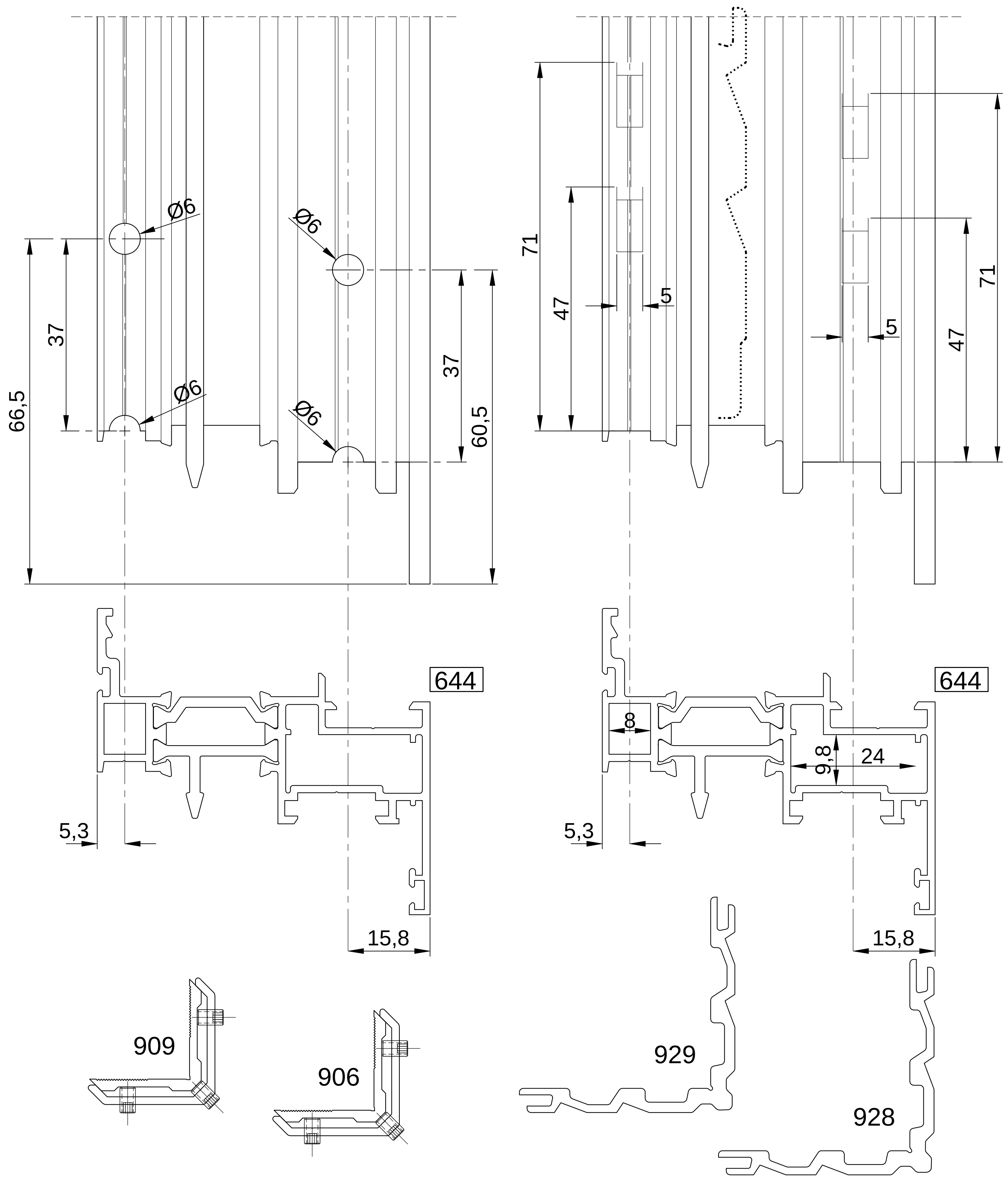
LINEAL ST 54	504	505	514	515	519	520	522	525
LINEAL PLUS 62	604	605	614	615	619	620	622	625
LINEAL THERM 62	664	665	674	675	679	680	682	685
LINEAL THERM 77	704	705	714	715	719	720	722	725

Koristiti LINEAL presu
Use LINEAL press
Использовать LINEAL пресс



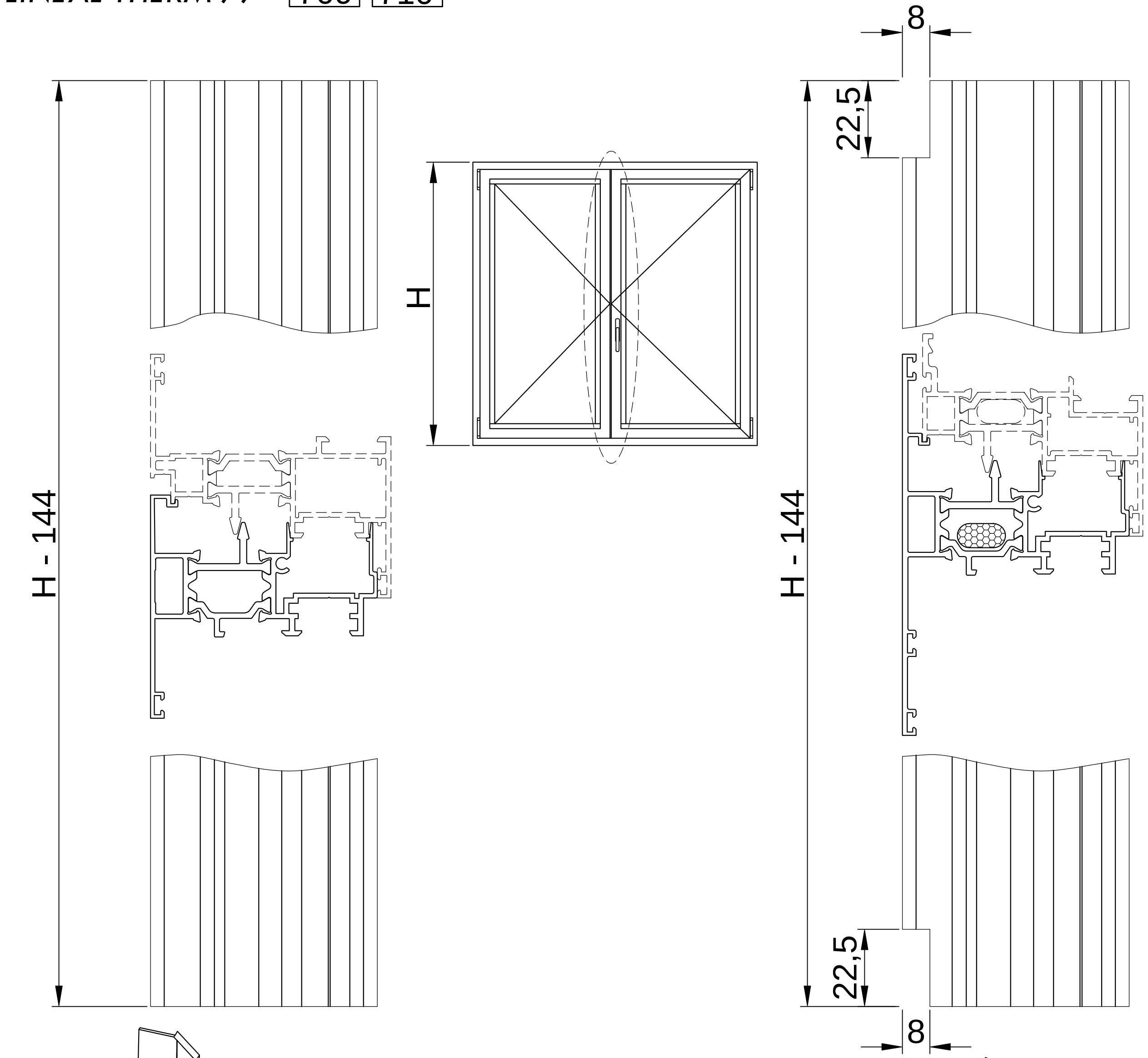
LINEAL BLOCK PLUS 62 644
LINEAL BLOCK THERM 62 639
LINEAL BLOCK THERM 77 744

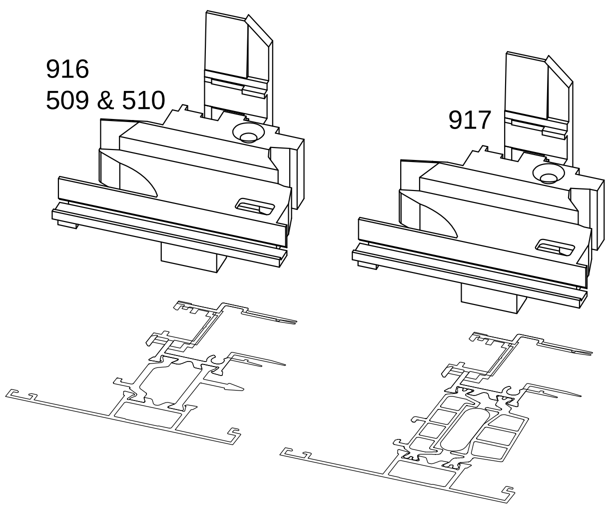
Koristiti LINEAL presu
Use LINEAL press
Использовать LINEAL пресс



LINEAL ST 54	509	510
LINEAL PLUS 62	609	610
LINEAL THERM 62	669	670
LINEAL THERM 77	709	710

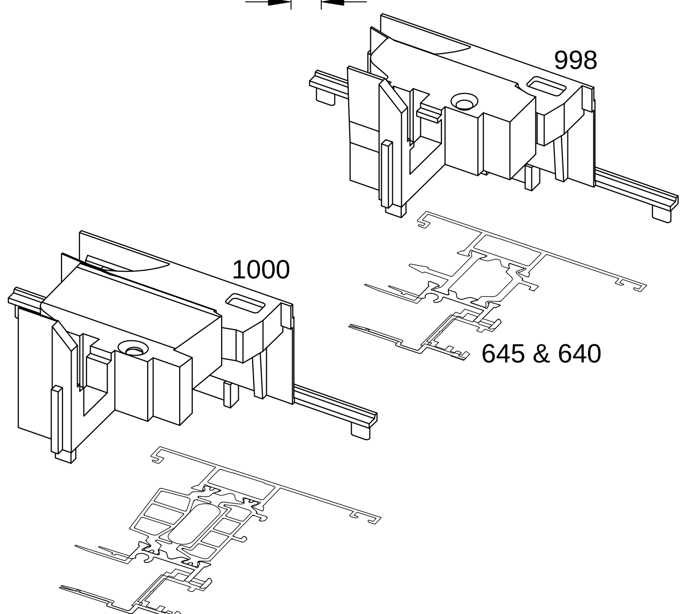
LINEAL BLOCK PLUS 62	645
LINEAL BLOCK THERM 62	640
LINEAL BLOCK THERM 77	745



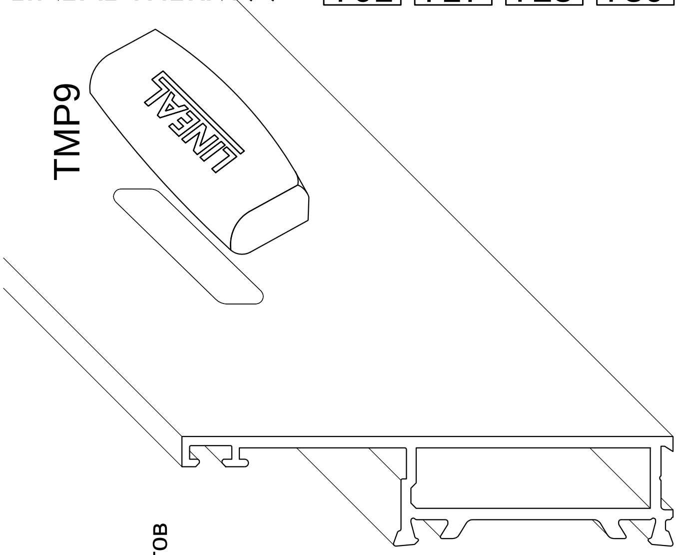


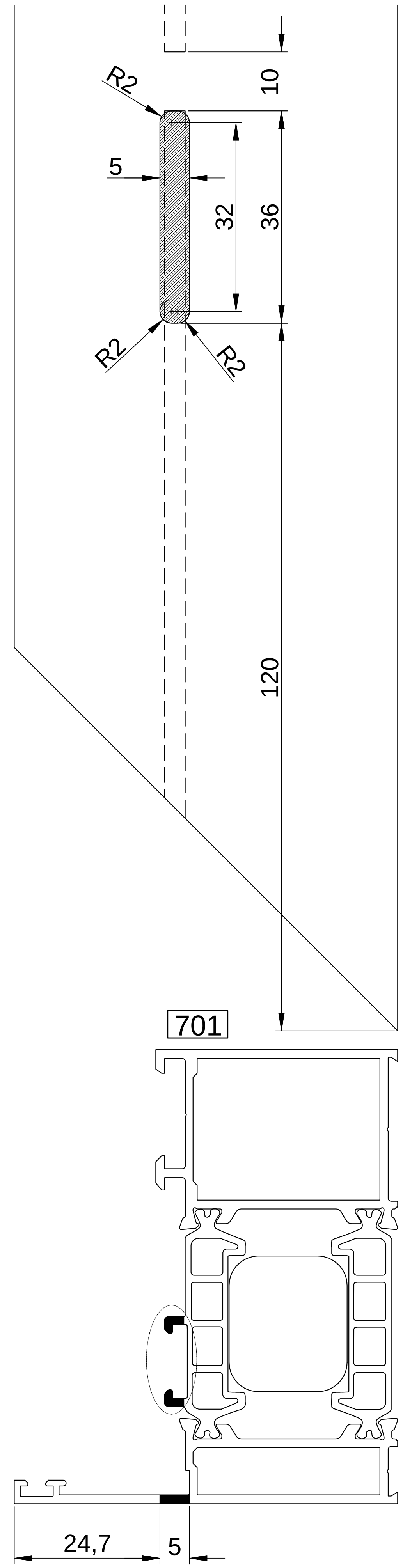
917
609 & 610
669 & 670

709 & 710



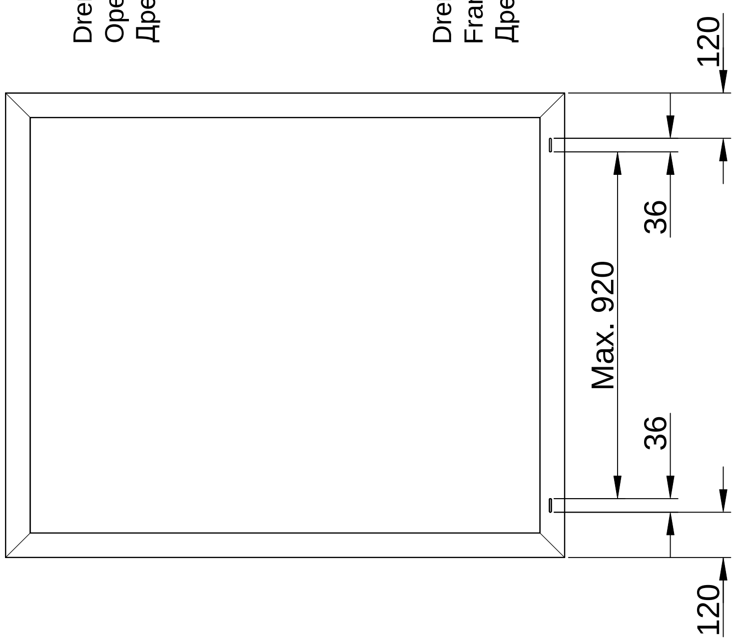
LINEAL ST 54	501	517	528	530
LINEAL PLUS 62	601	617	628	630
LINEAL THERM 62	661	677	688	652
LINEAL THERM 77	701	717	728	730





Drenirati otvarajuće i fiksne elemente
Open and fixed elements drainage
Дренаж открыв. и фиксиров. элементов

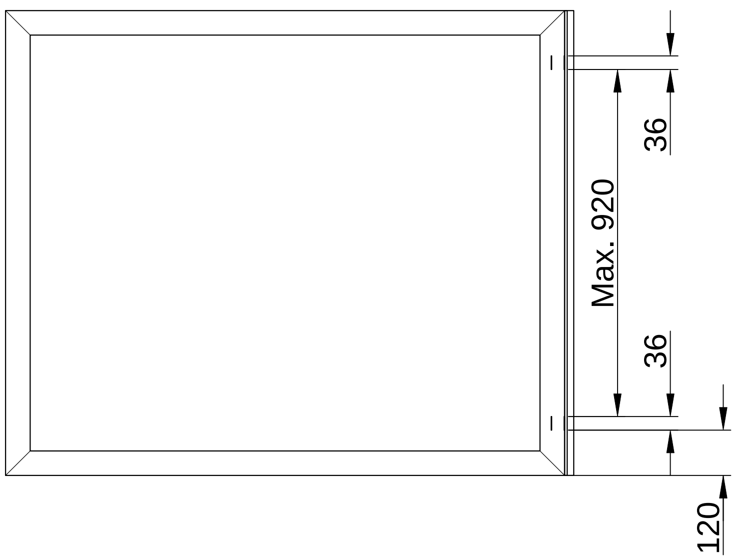
Drenaža štoka
Frame drainage
Дренаж рамке

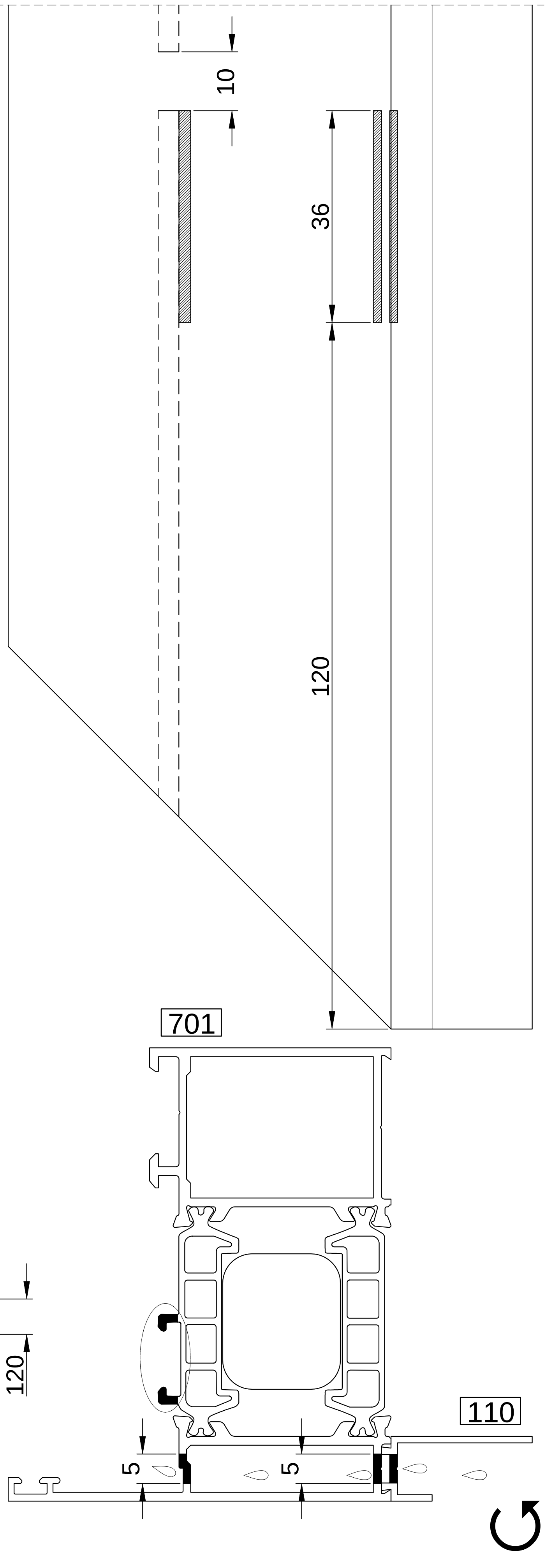


LINEAL ST 54	501	517	528	530
LINEAL PLUS 62	601	617	628	630
LINEAL THERM 62	661	677	688	652
LINEAL THERM 77	701	717	728	730

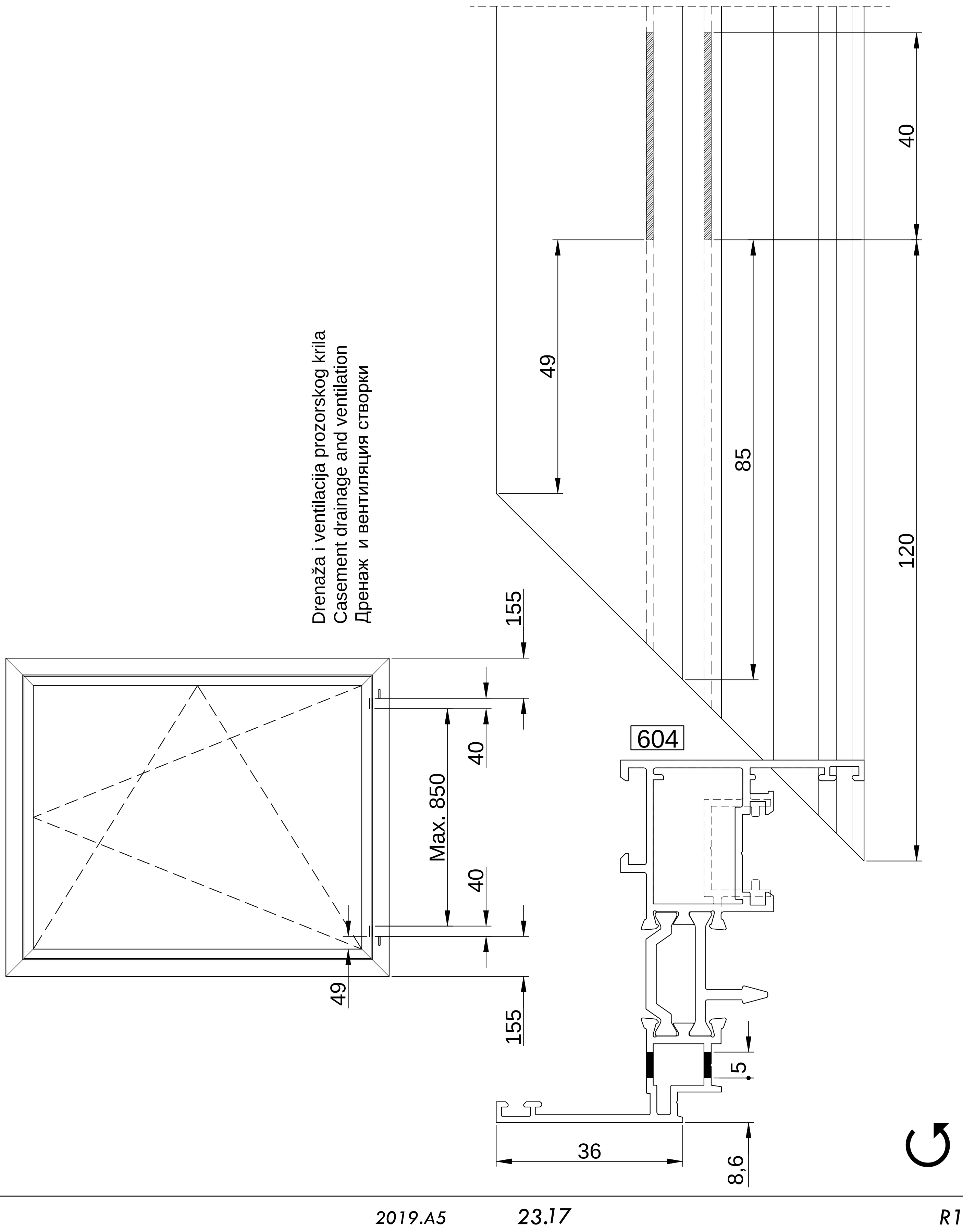
Drenirati otvarajuće i fiksne elemente
Open and fixed elements drainage
Дренаж открыв. и фиксиров. элементов

Drenaža štoka
Frame drainage
Дренаж рамке

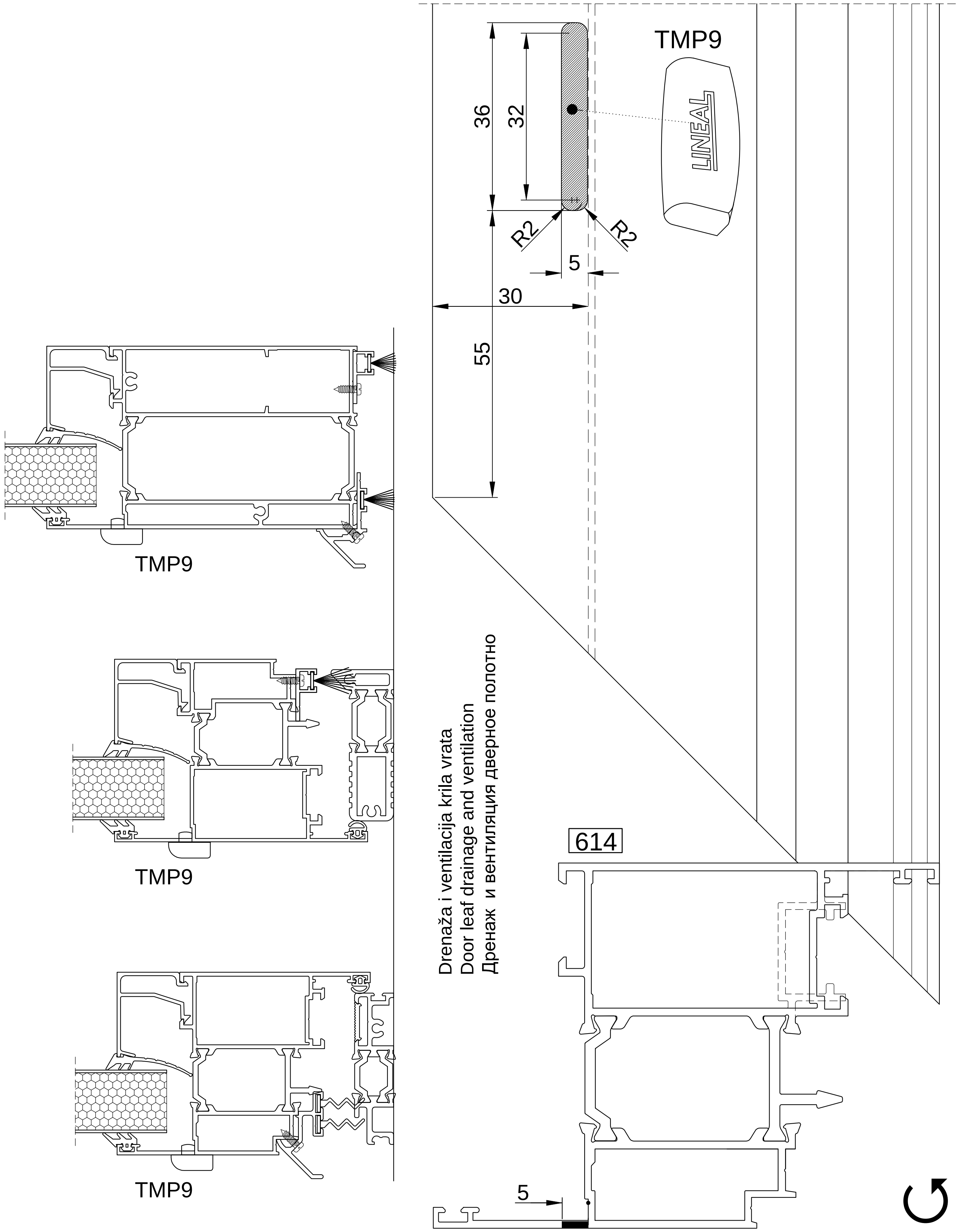




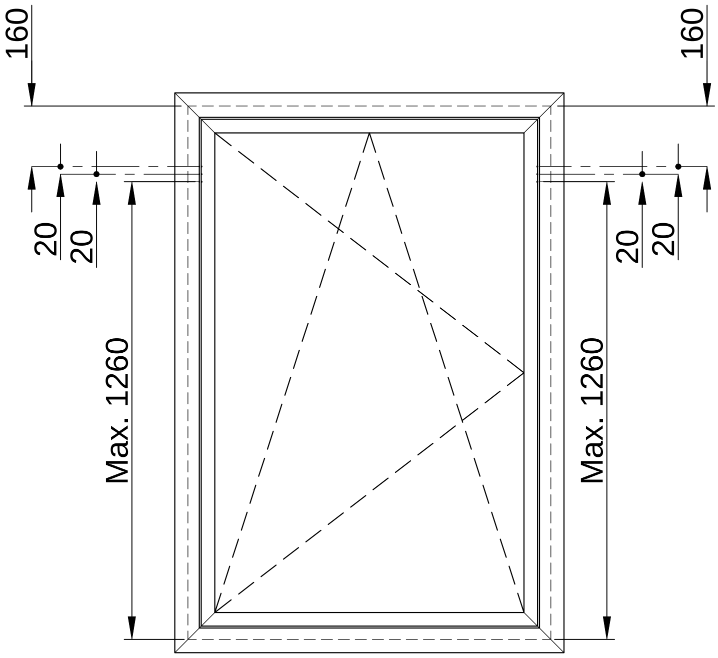
LINEAL ST 54	504	505	514	515	519	520	522	525
LINEAL PLUS 62	604	605	614	615	619	620	622	625
LINEAL THERM 62	664	665	674	675	679	680	682	685
LINEAL THERM 77	704	705	714	715	719	720	722	725

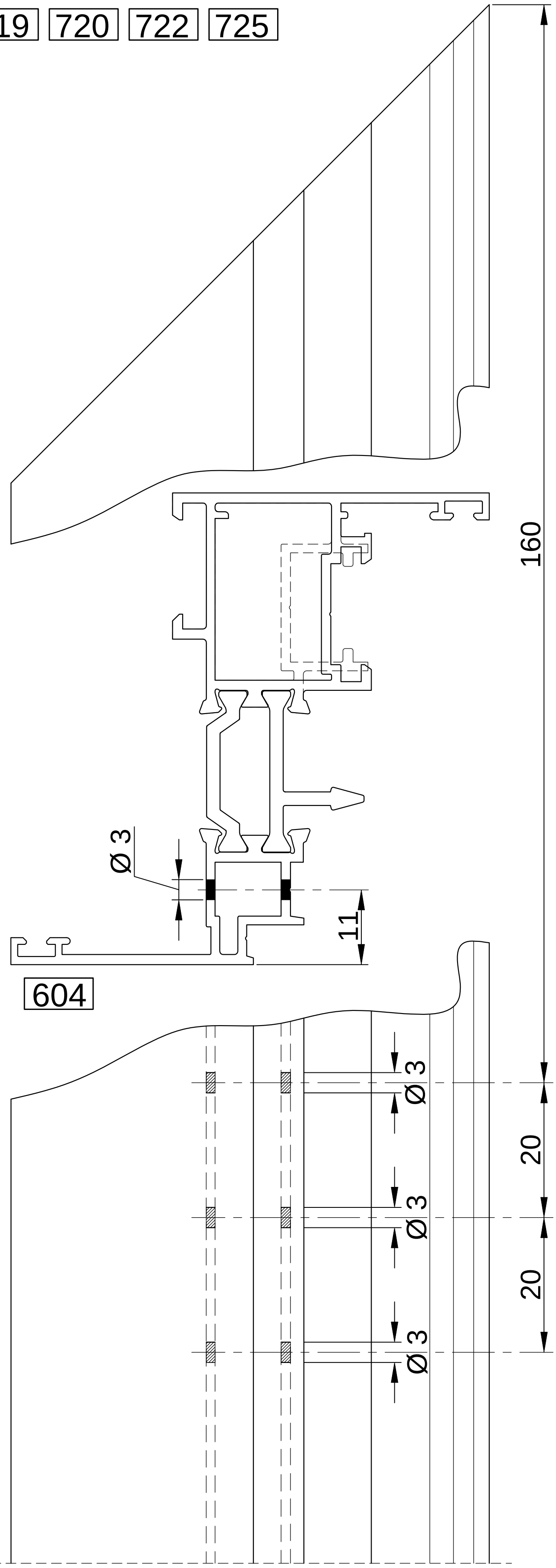


LINEAL ST 54	504	505	514	515	519	520	617	601
LINEAL PLUS 62	604	605	614	615	619	620	618	626
LINEAL THERM 62	664	665	674	675	679	680	678	686
LINEAL THERM 77	704	705	714	715	719	720	718	726



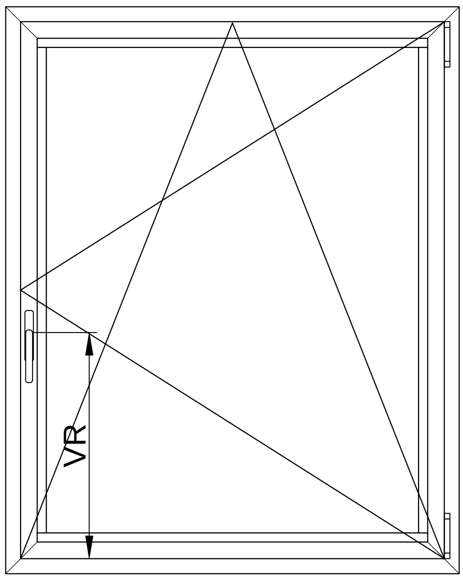
LINEAL ST 54	504	505	514	515	519	520	522	525
LINEAL PLUS 62	604	605	614	615	619	620	622	625
LINEAL THERM 62	664	665	674	675	679	680	682	685
LINEAL THERM 77	704	705	714	715	719	720	722	725

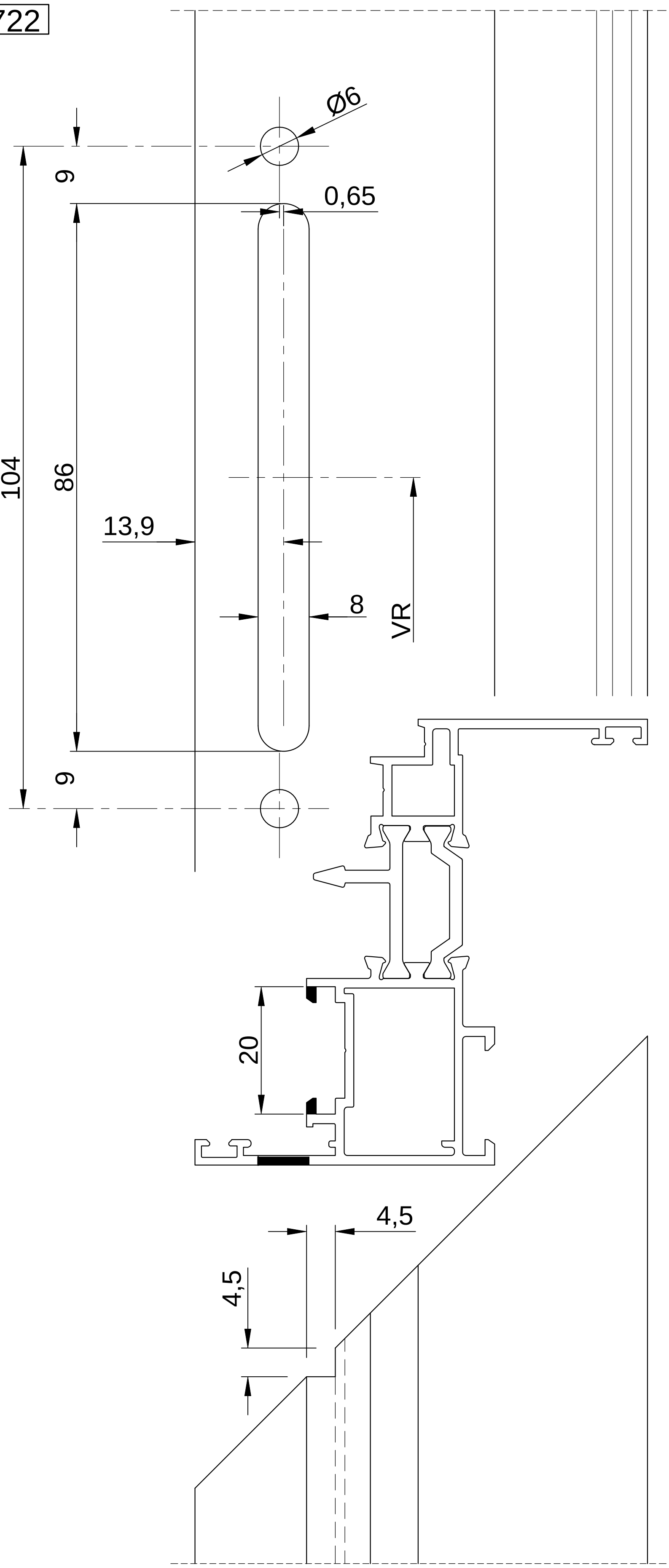




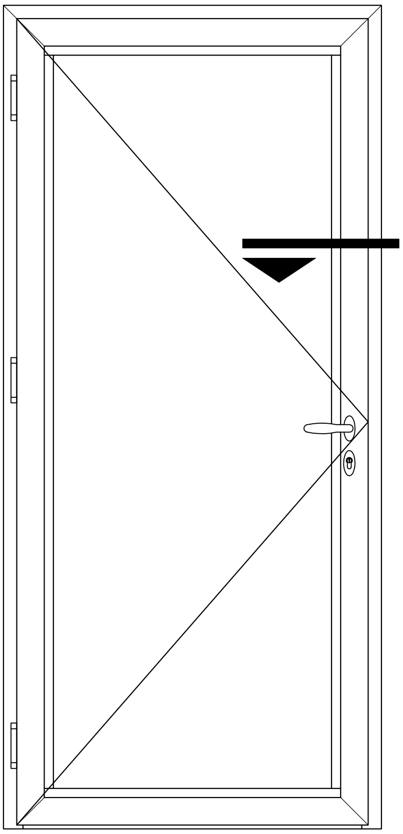
Ventilacija krila
Casement ventilation
Вентиляция створки

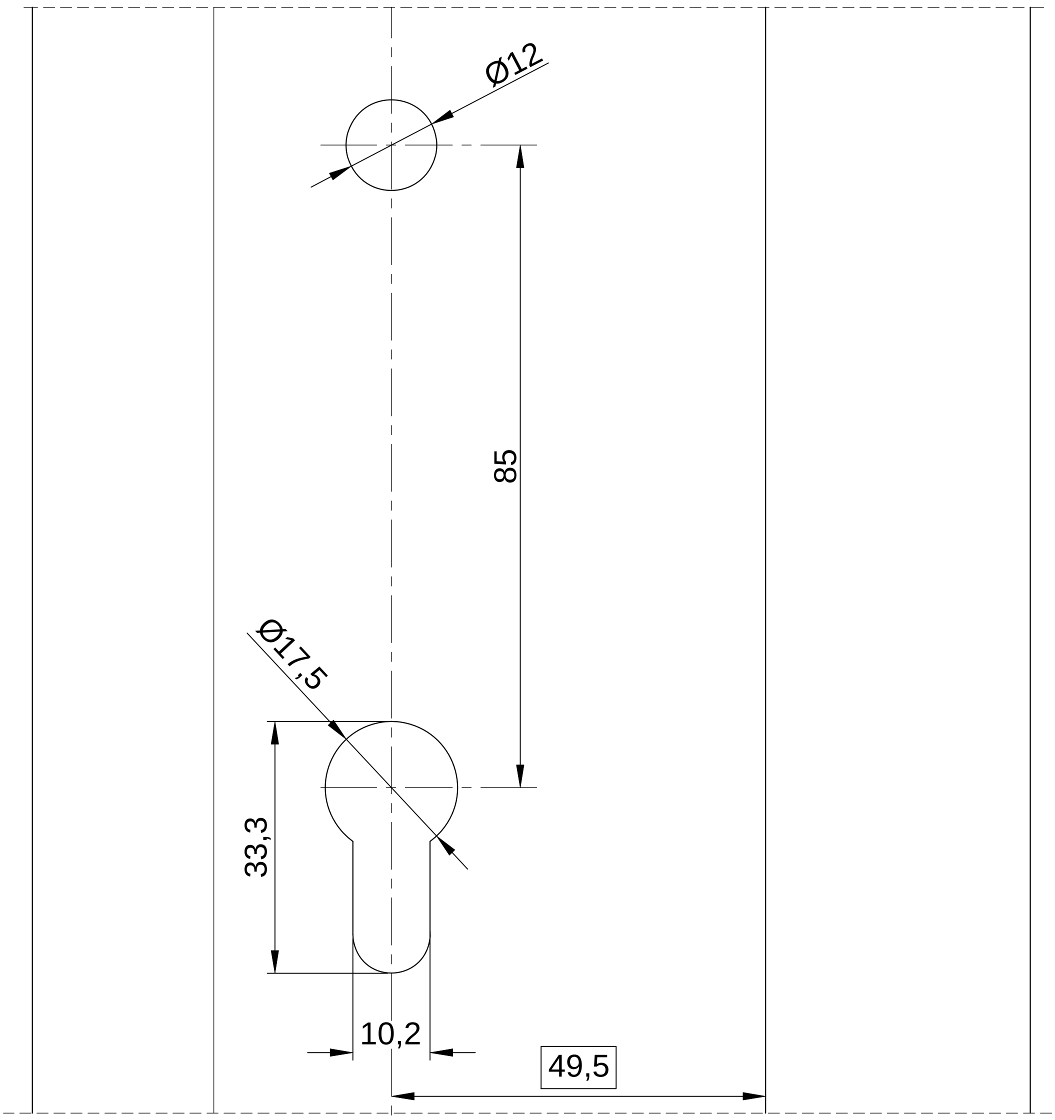
LINEAL ST 54	504	514	519	522
LINEAL PLUS 62	604	614	619	622
LINEAL THERM 62	664	674	679	682
LINEAL THERM 77	704	714	719	722



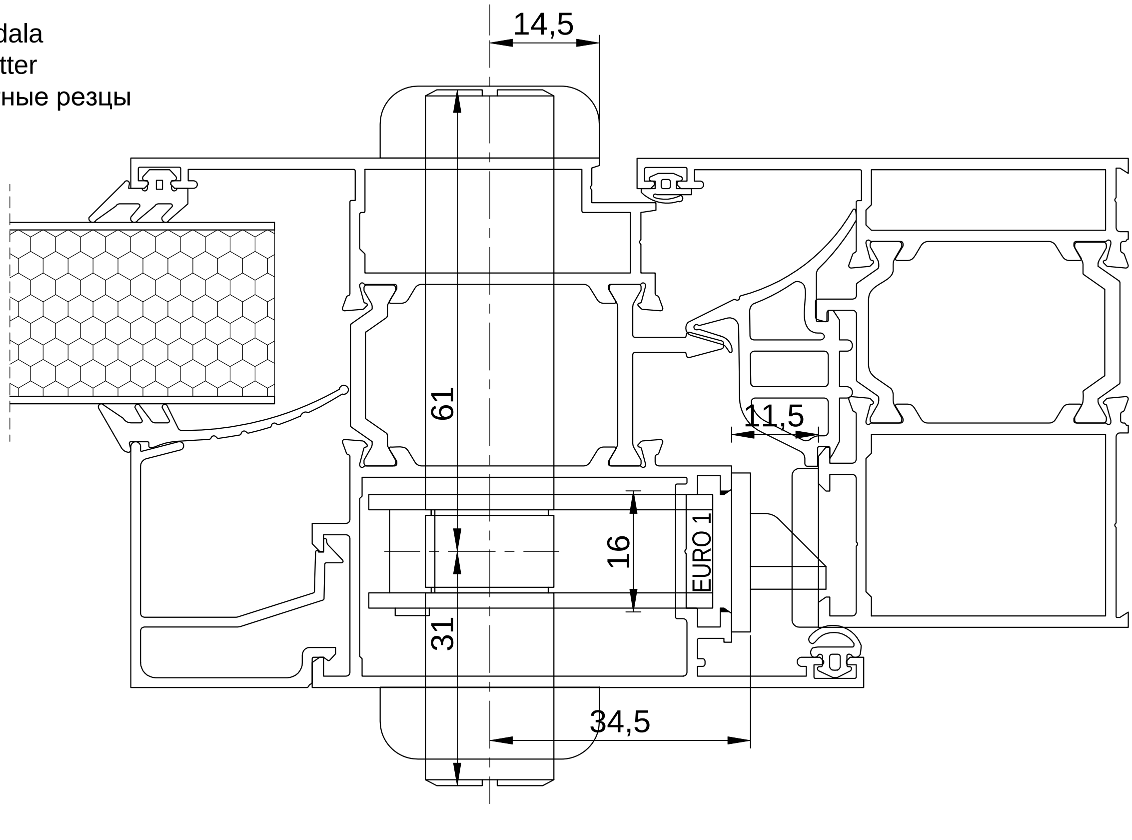


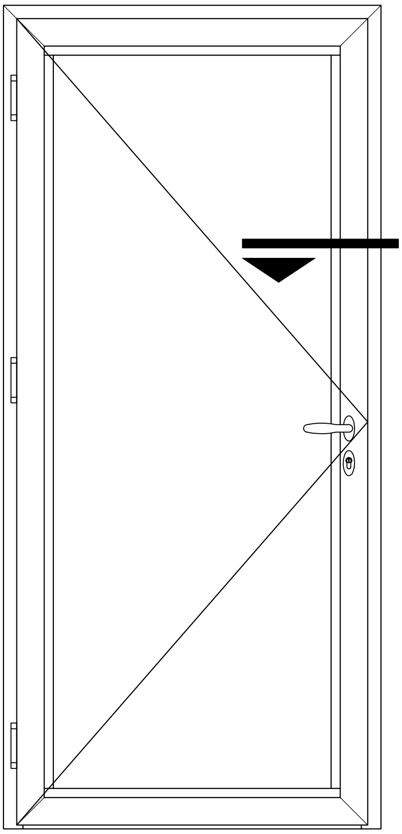
Koristiti LINEAL presu
Use LINEAL press
использовать LINEAL пресс

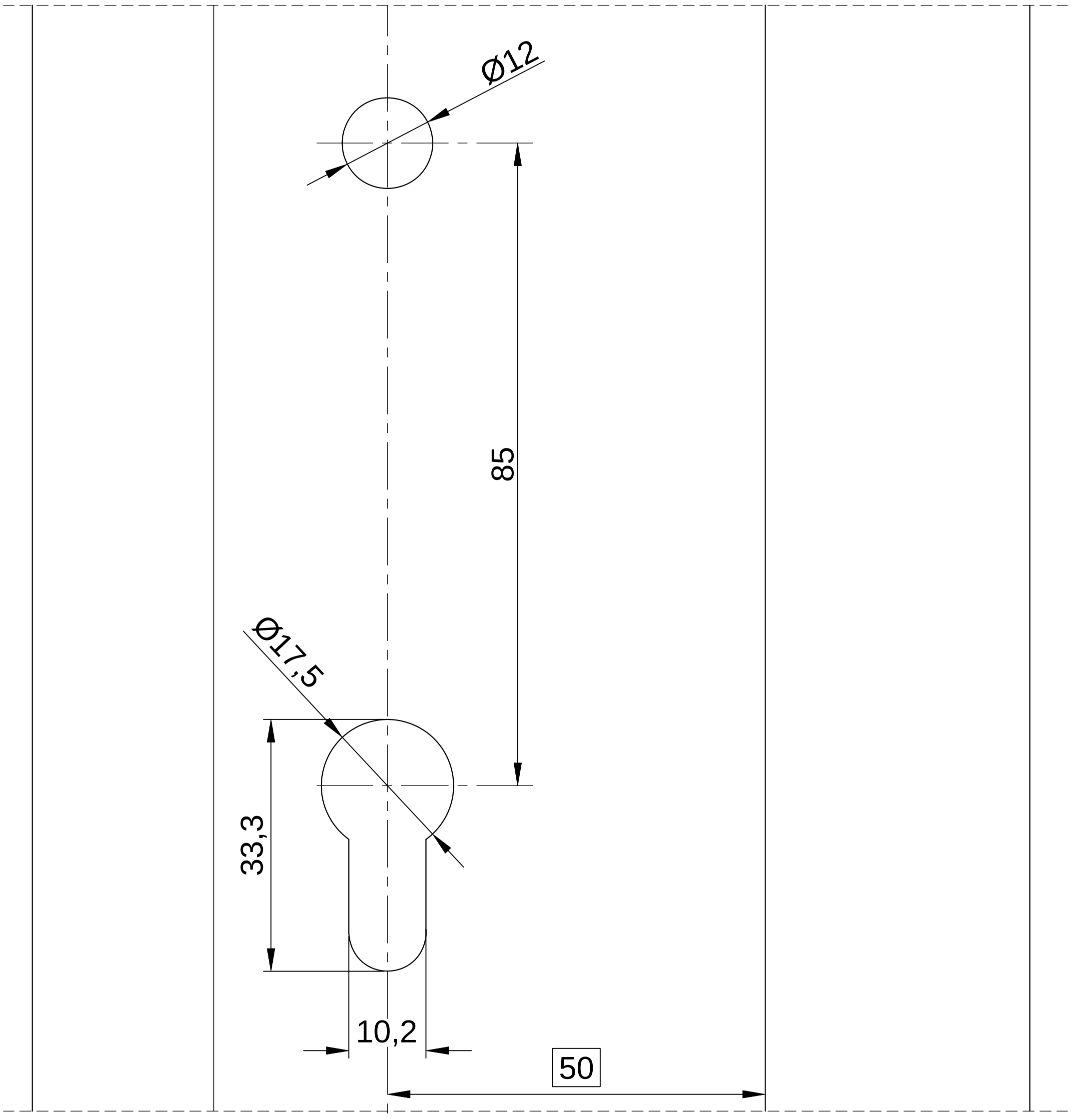




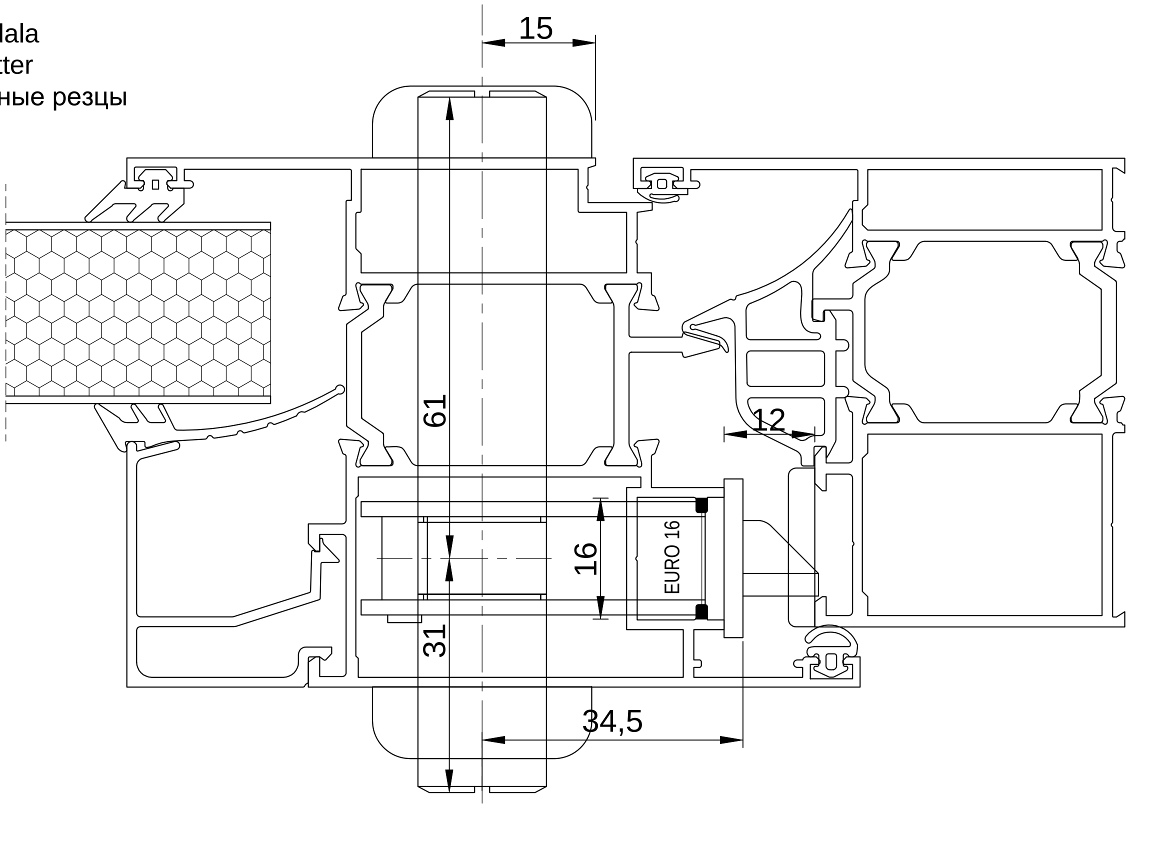
Koristiti standardna glodala
Use standard milling cutter
Используйте стандартные резцы

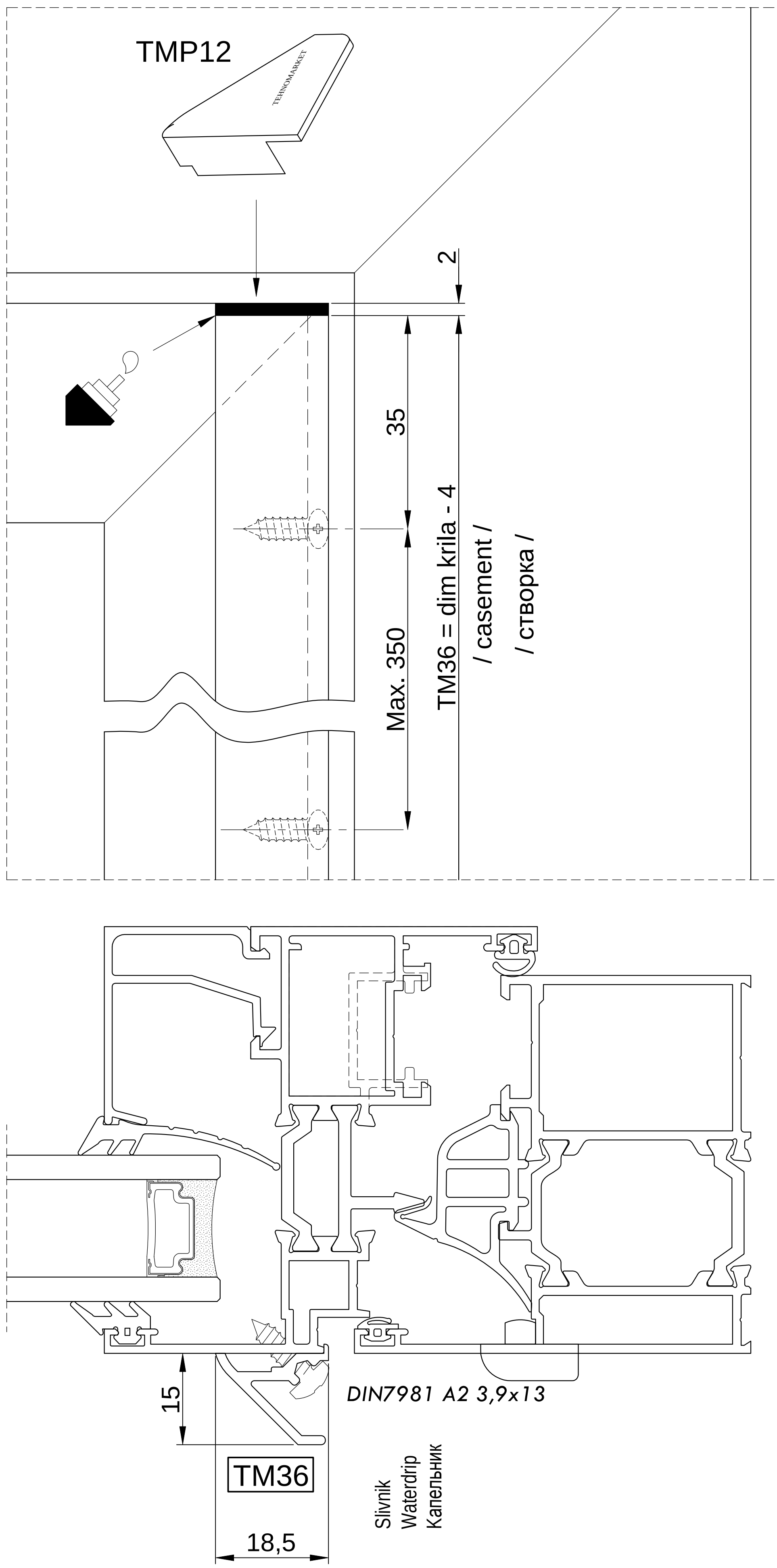




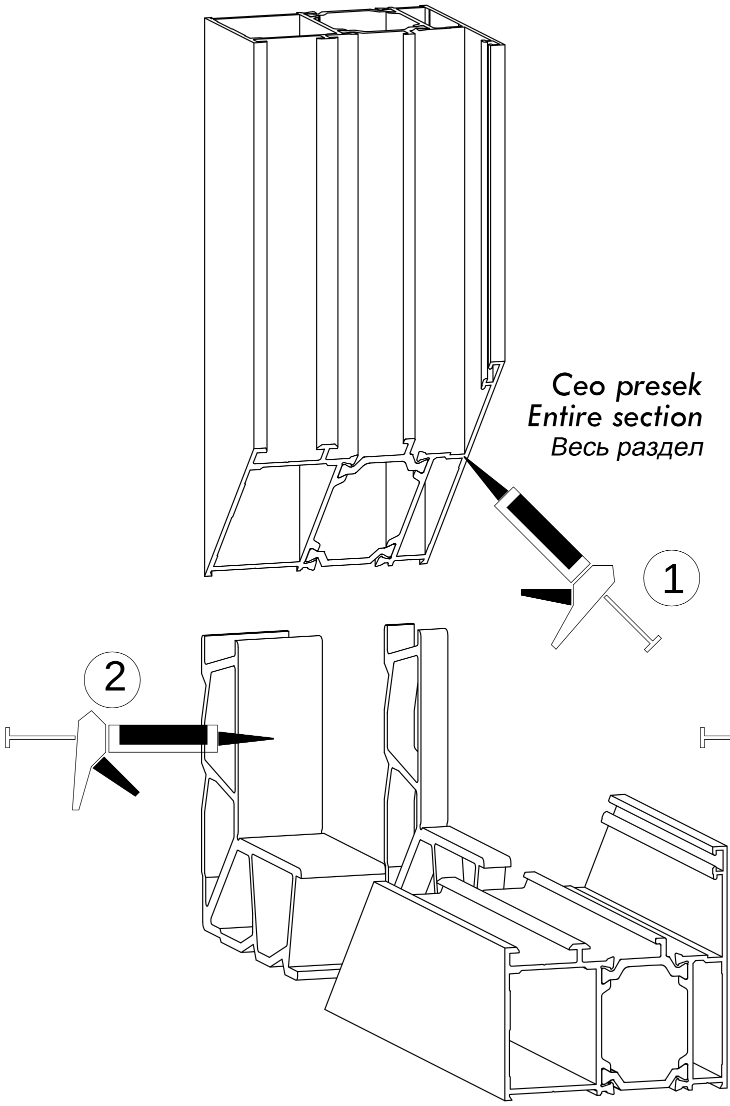


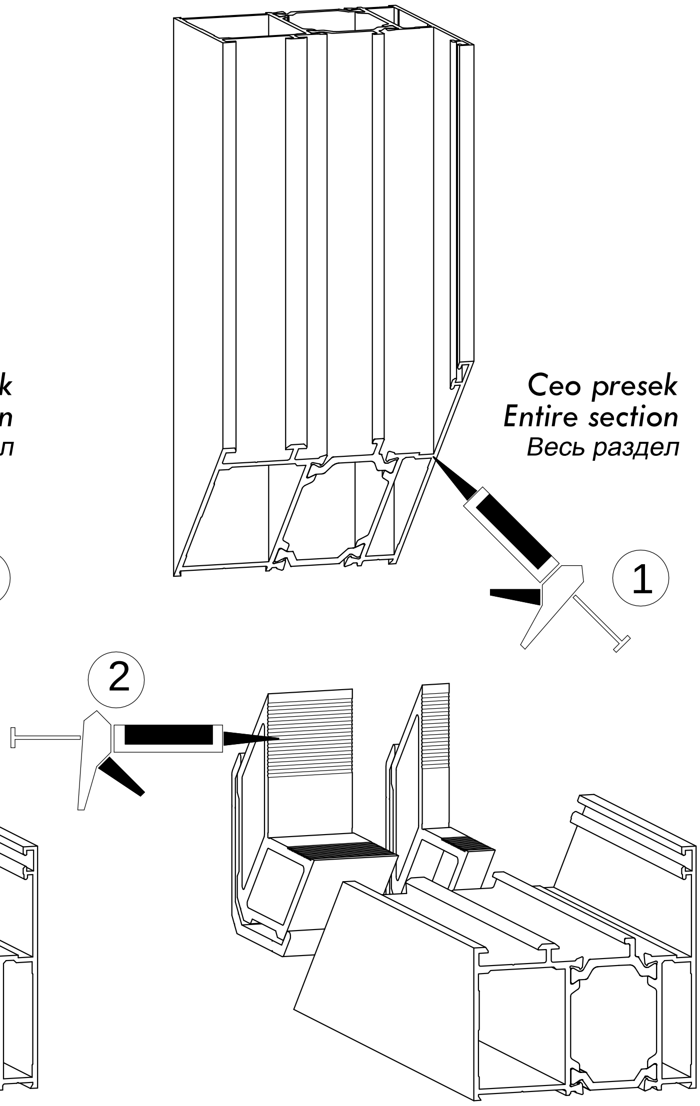
Koristiti standardna glodala
Use standard milling cutter
Используйте стандартные резцы




TMP12
TEHNOMARKET
2
35
Max. 350
TM36 = dim krila - 4
/ casement /
/ створка /
15
DIN7981 A2 3,9x13
TM36
Slivnik
Waterdrip
Капельник
18,5

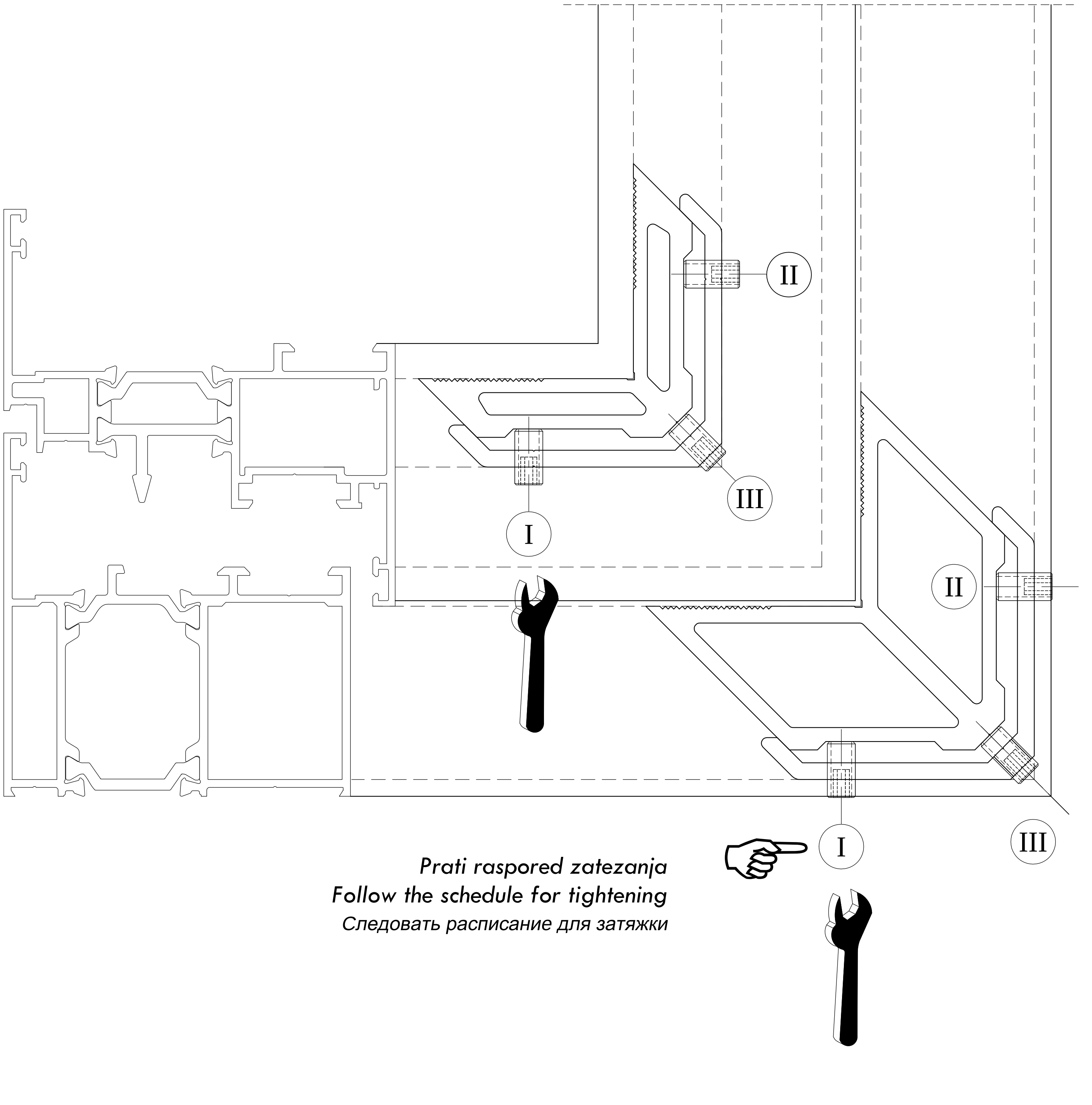
Sklapanje
Assembly
Ассамблея



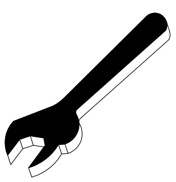


1 Lepak i zaptivna masa za alumijum
Glue and sealent for aluminium
Клей и герметик для алюминия

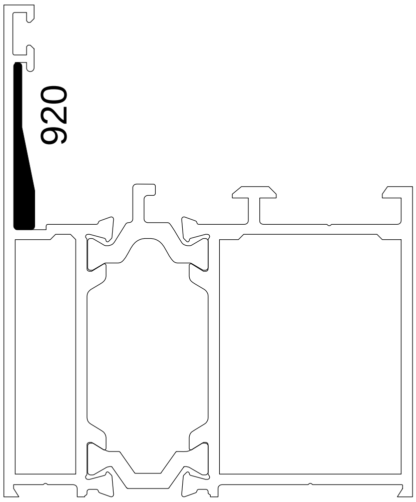
2 Lepak za spojnice
Corner joint glue
Клей для углового соединения

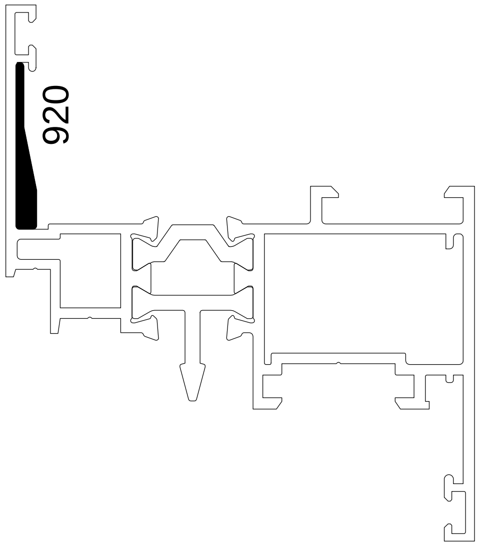


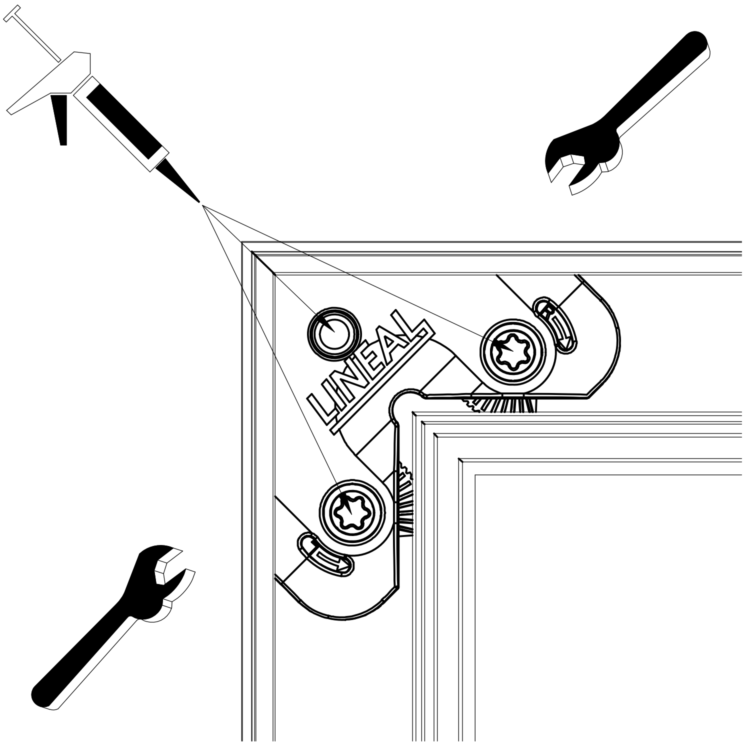
Prati raspored zatezanja
Follow the schedule for tightening
Следовать расписание для затяжки

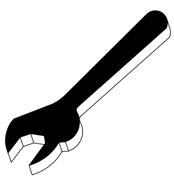


Koristiti Imbus 2,5mm
Use Allen key 2,5mm
использовать имбус - шестигранный ключ 2,5мм

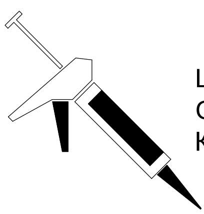






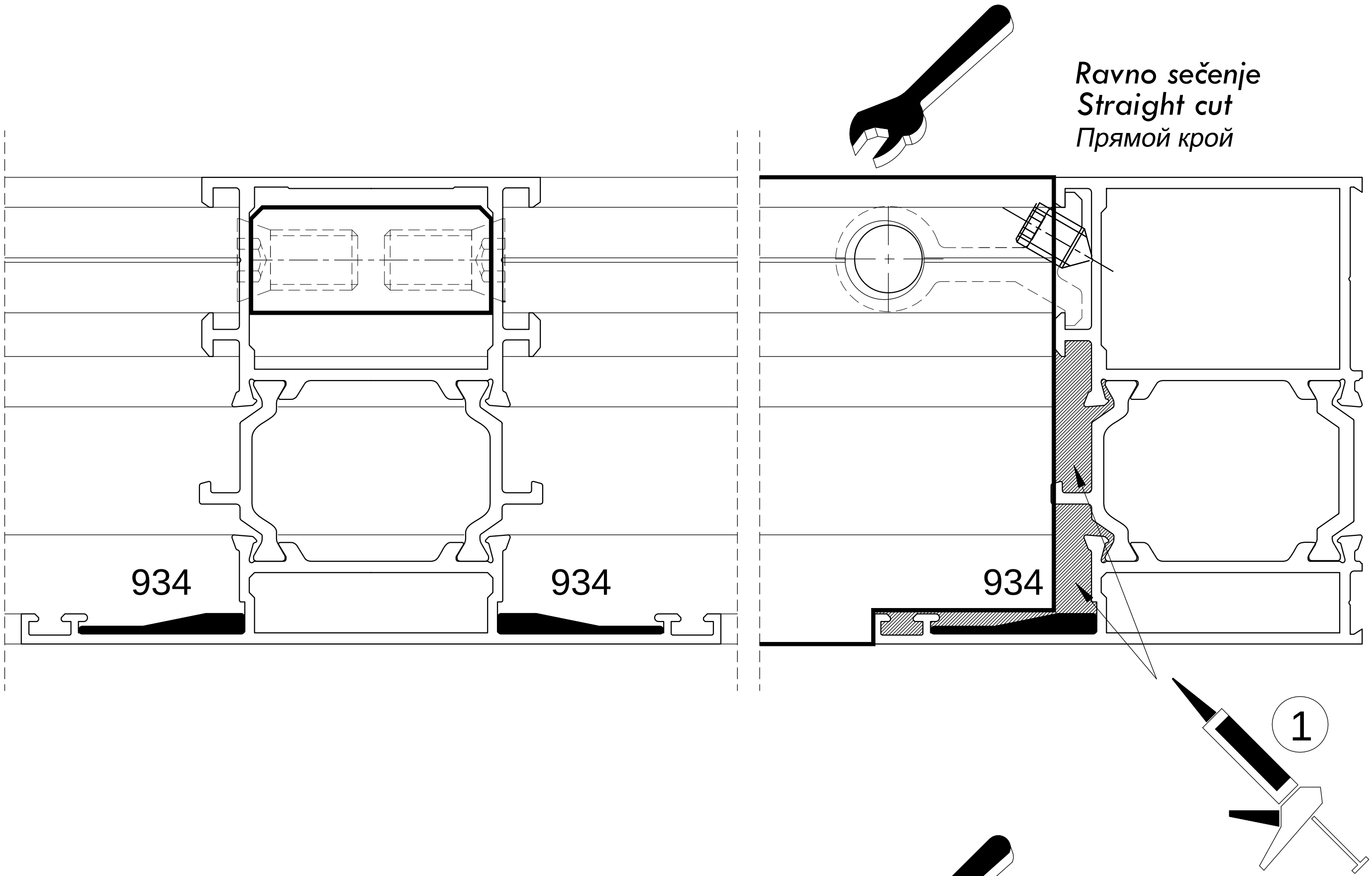


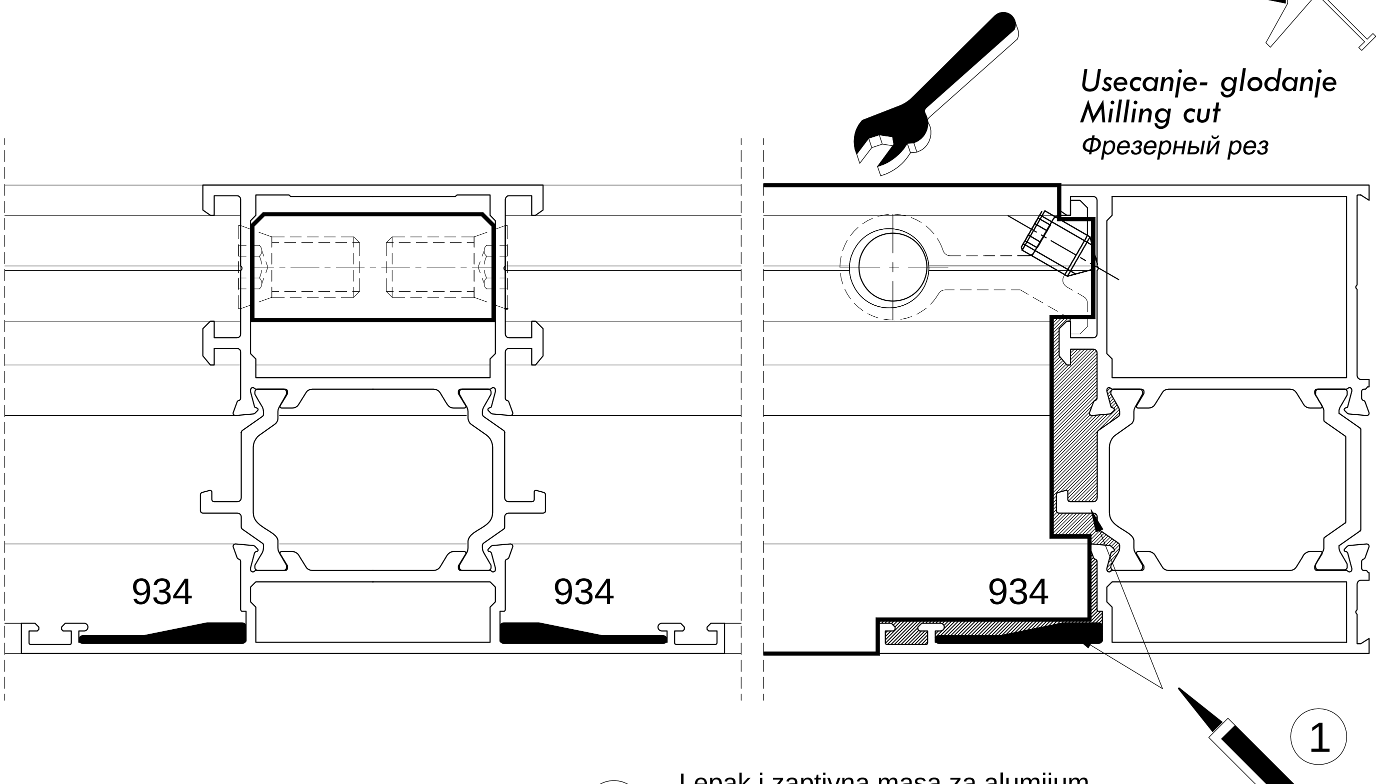
Koristiti Torx T25
Use Torx T25
использовать Torx T25



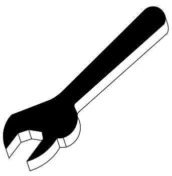
Lepak i zaptivna masa za alumijum
Glue and sealent for aluminium
Клей и герметик для алюминия

LINEAL ST 54	502	503	513	516	517	518
LINEAL PLUS 62	602	603	613	616	617	618
LINEAL THERM 62	662	663	673	676	677	678





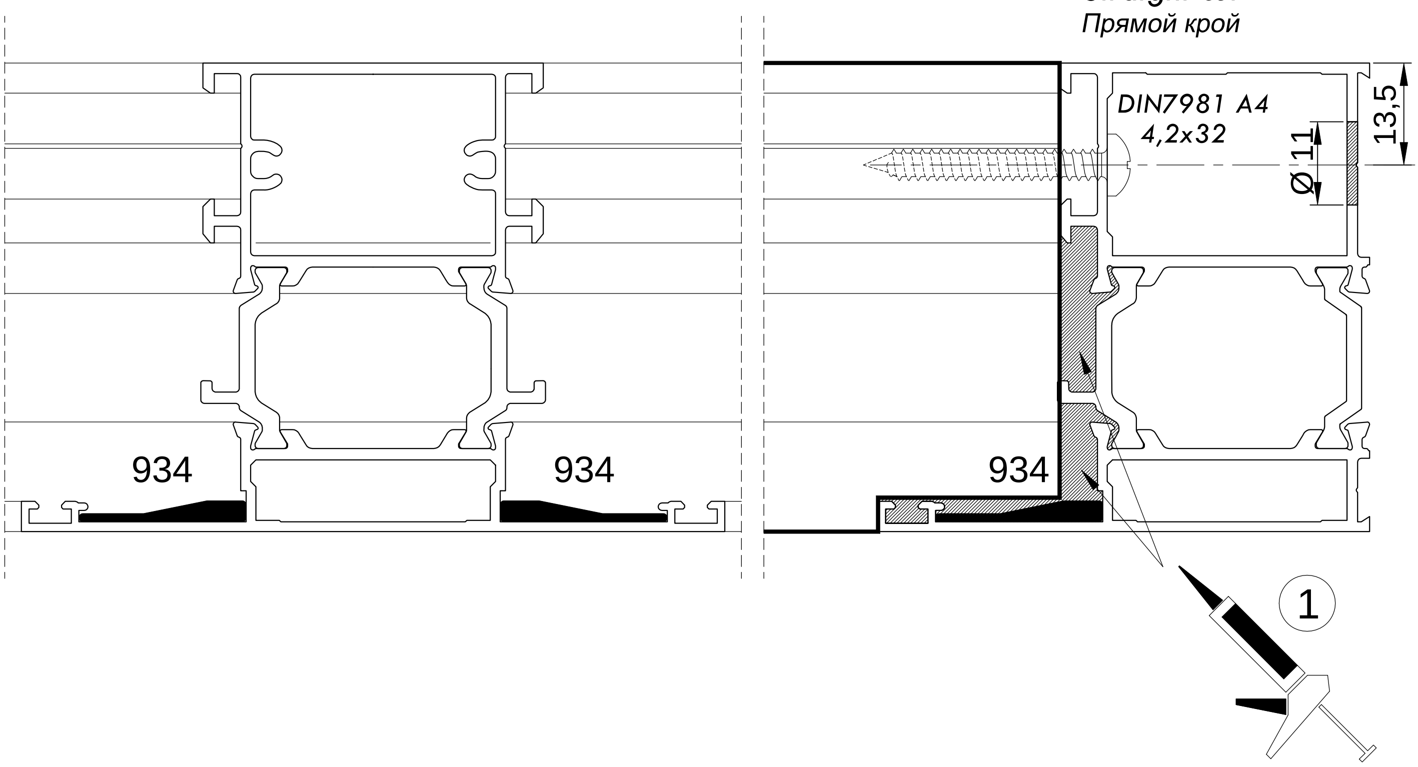
1 Lepak i zaptivna masa za alumijum
Glue and sealent for aluminium
Клей и герметик для алюминия



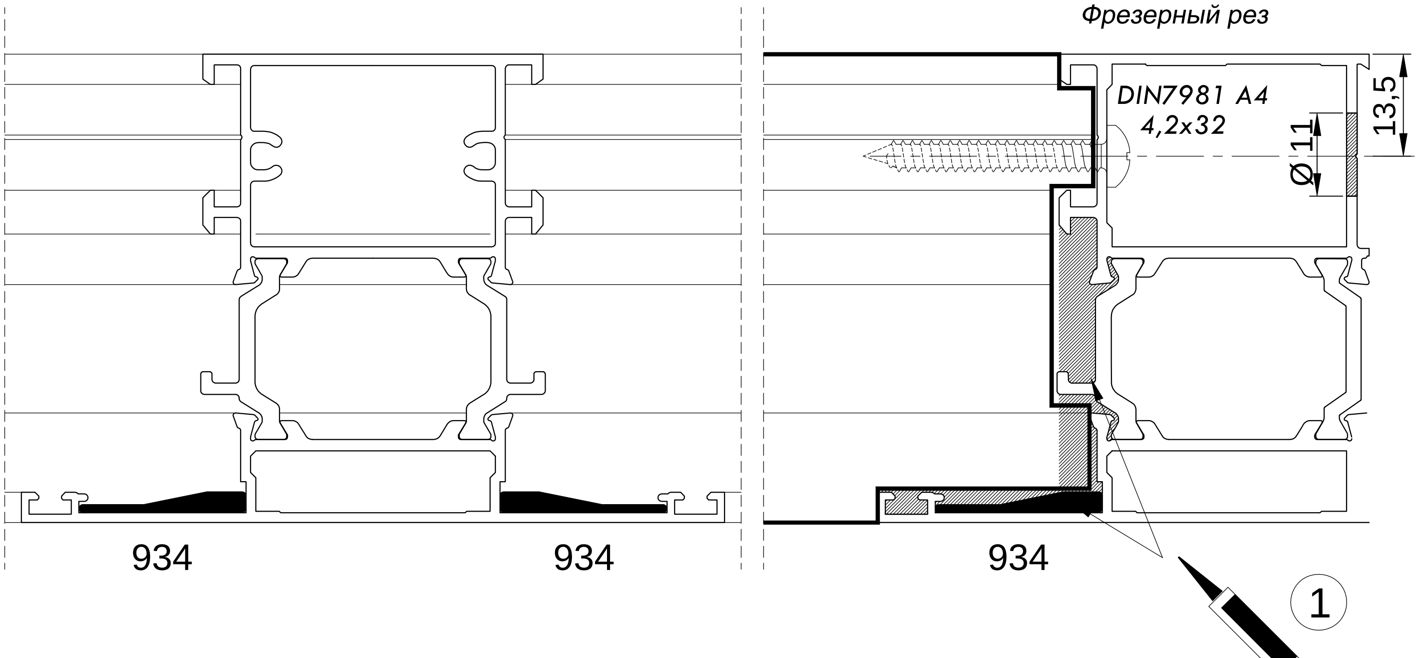
Koristiti Imbus 5mm
Use Allen key 5mm
использовать имбус - шестигранный ключ 5мм

LINEAL ST 54	531	532	533	534
LINEAL PLUS 62	631	632	633	634
LINEAL THERM 62	653	655	654	656
LINEAL THERM 77	731	732	733	734

Ravno sečenje
Straight cut
Прямой крой

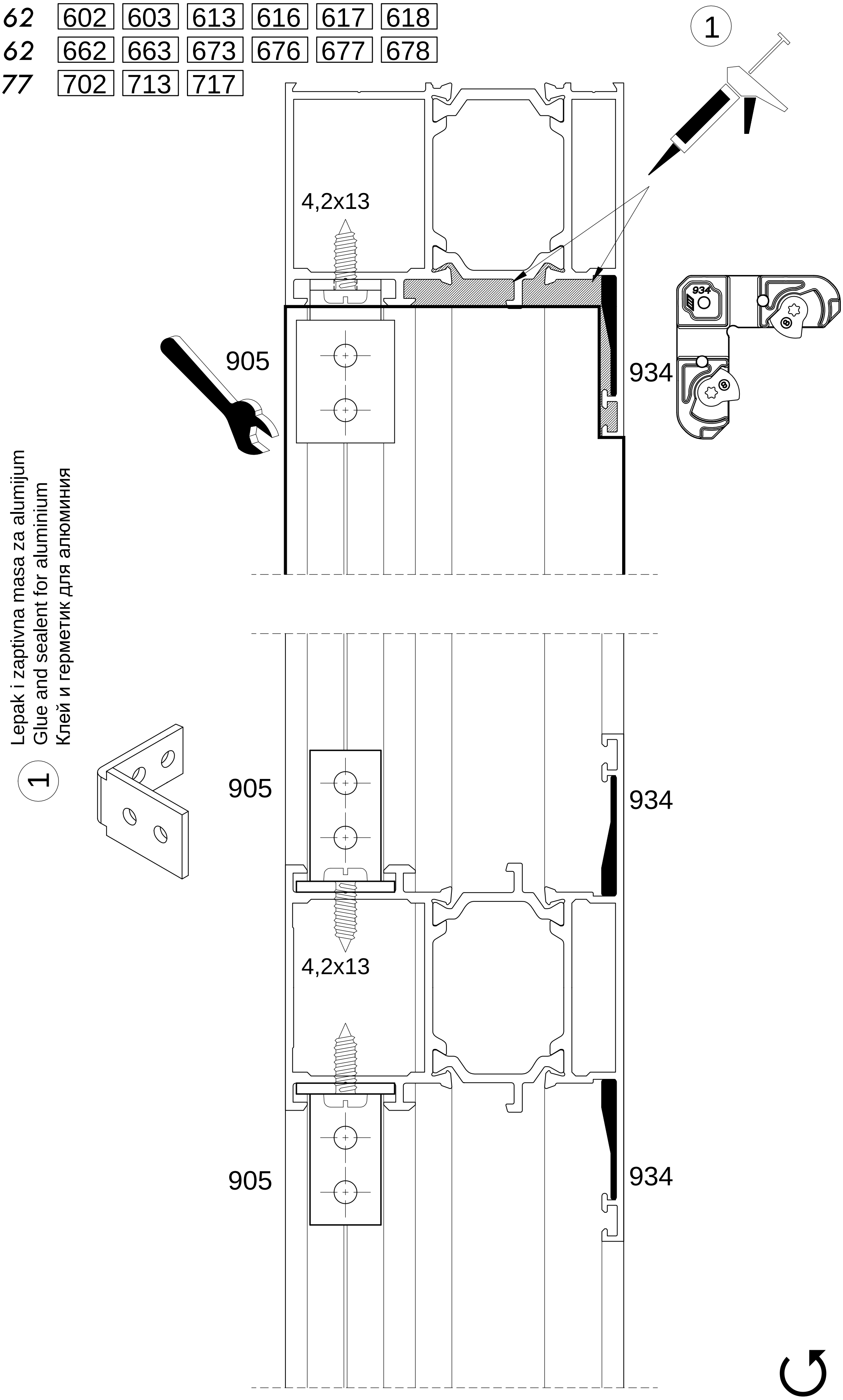


Usecanje- glodanje
Milling cut
Фрезерный рез

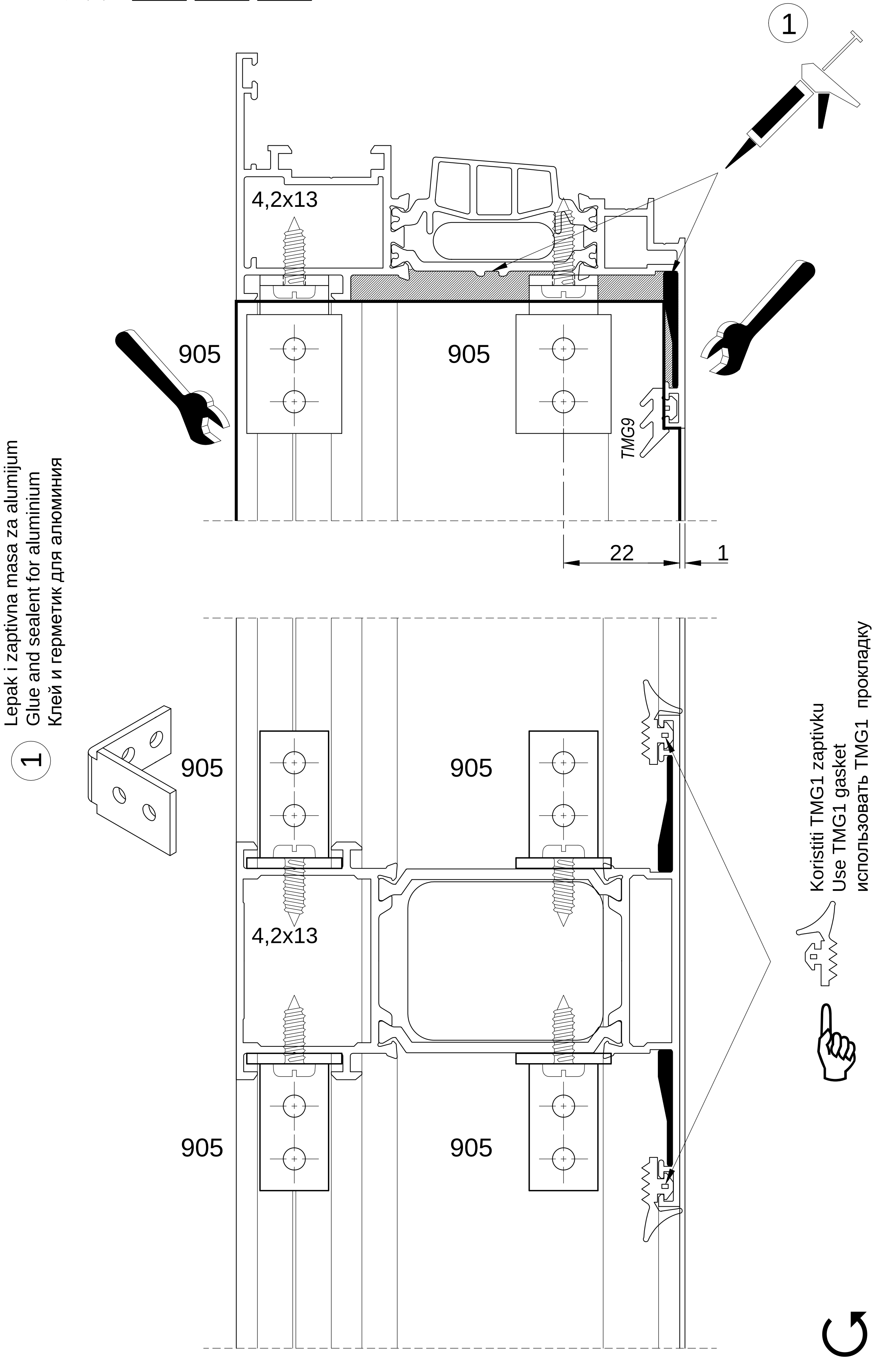


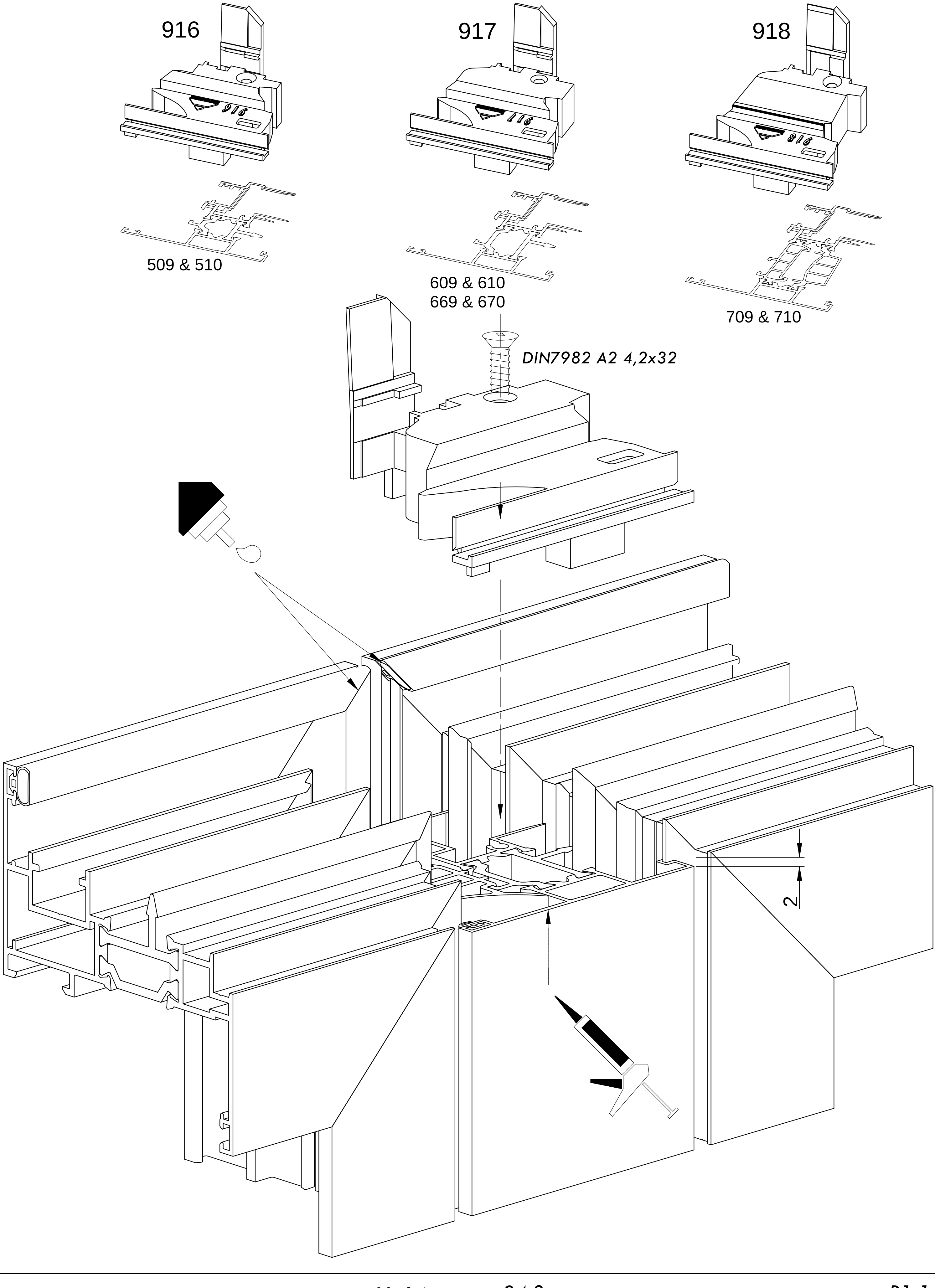
1 Lepak i zaptivna masa za alumijum
Glue and sealent for aluminium
Клей и герметик для алюминия

LINEAL ST 54	502	503	513	516	517	518
LINEAL PLUS 62	602	603	613	616	617	618
LINEAL THERM 62	662	663	673	676	677	678
LINEAL THERM 77	702	713	717			

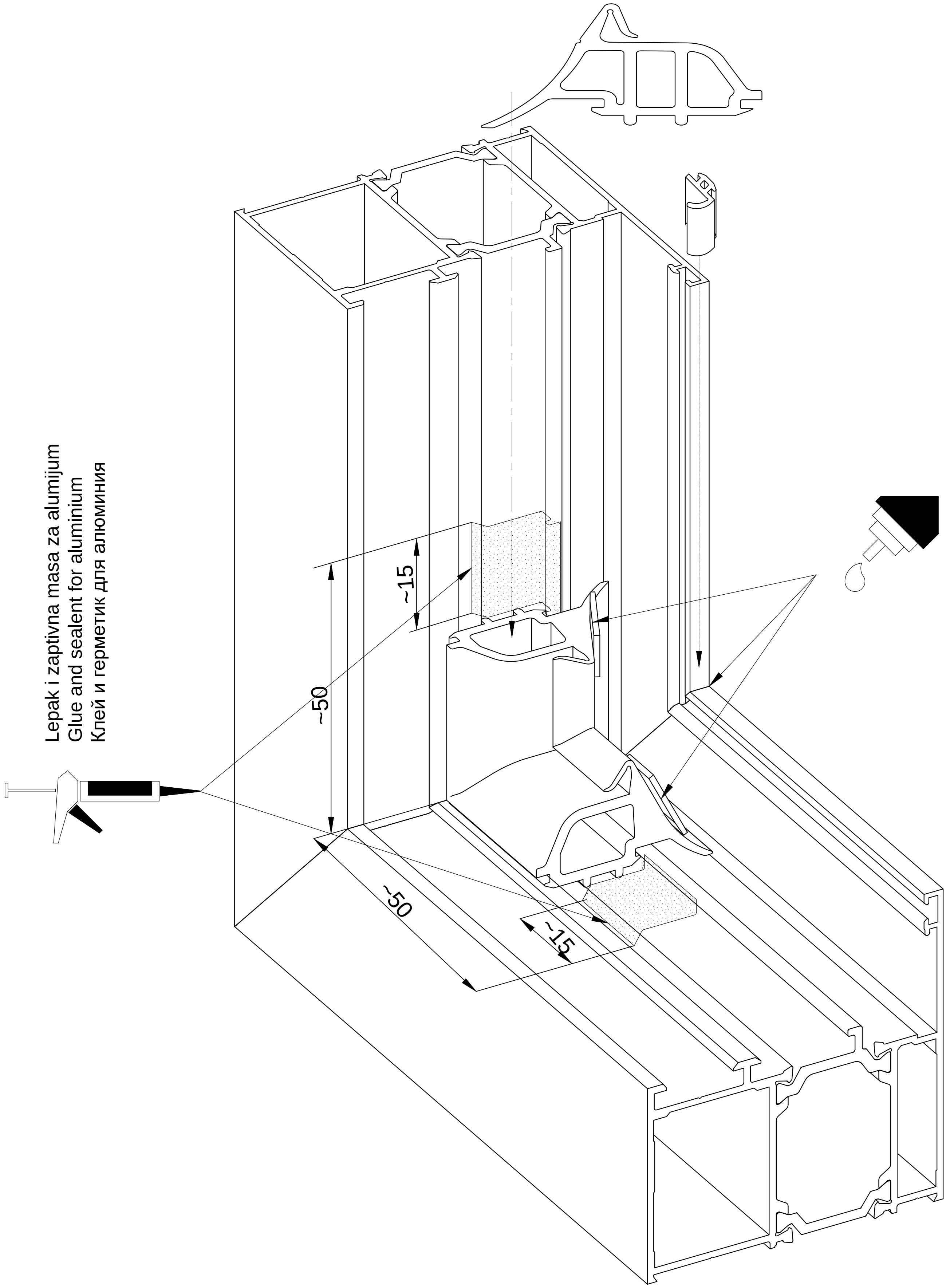


LINEAL THERM 77 703 716 718

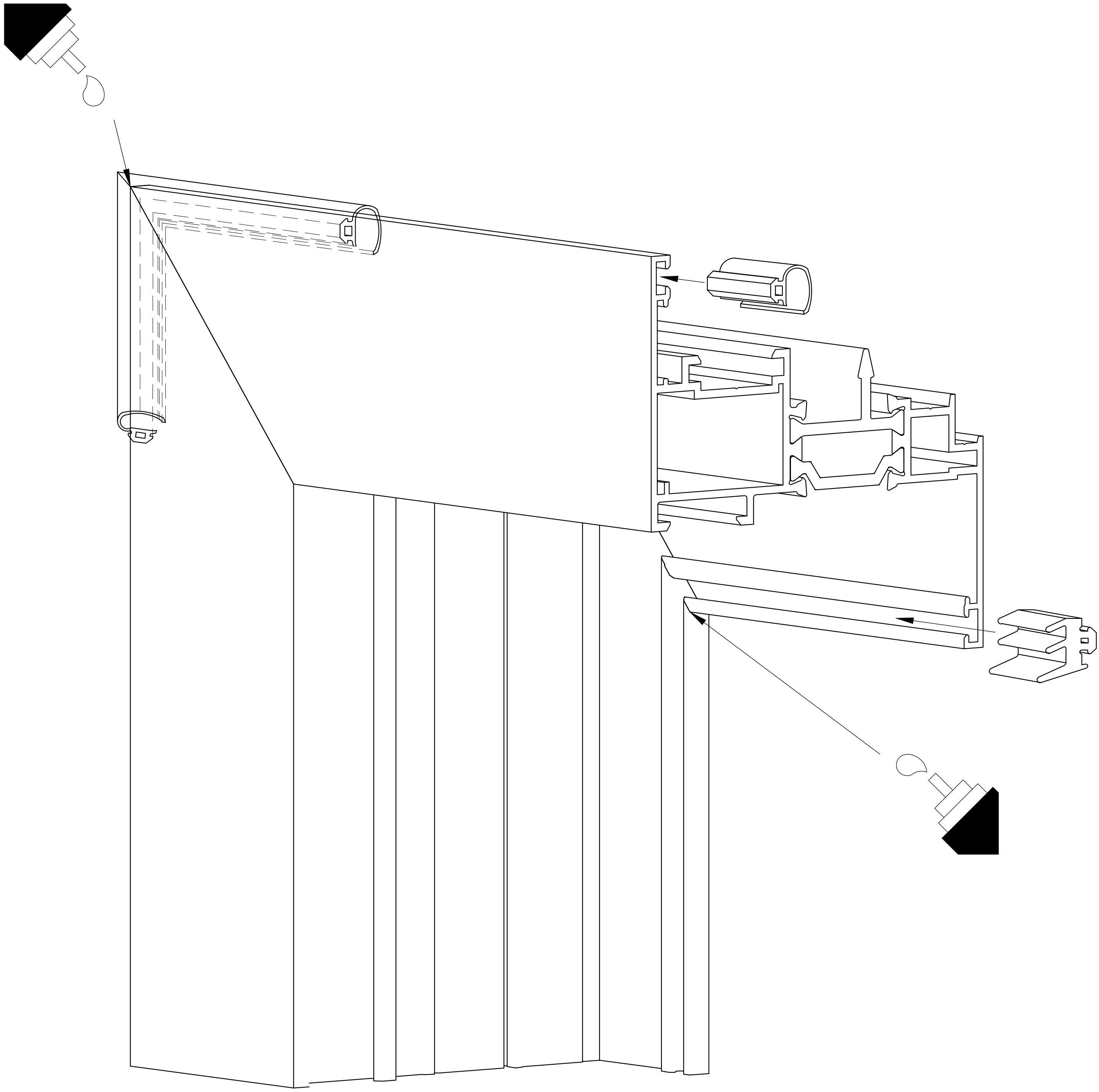



916
917
918
509 & 510
609 & 610
669 & 670
709 & 710
DIN7982 A2 4,2x32
2

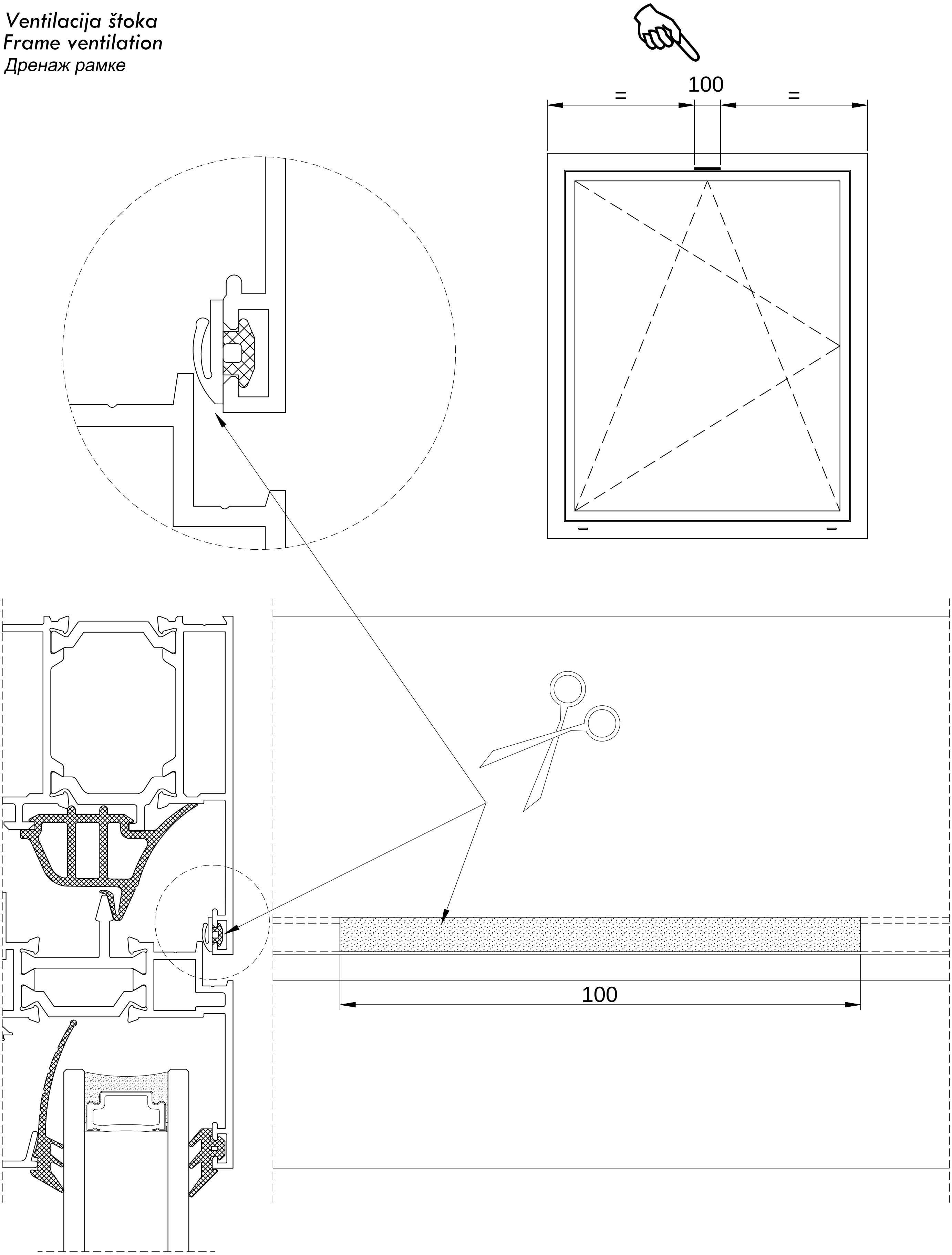
Sve zaptivke lepiti namenski lepkom za gumu
For all gaskets use gasket glue
Все прокладки приложить с эластичным клеем



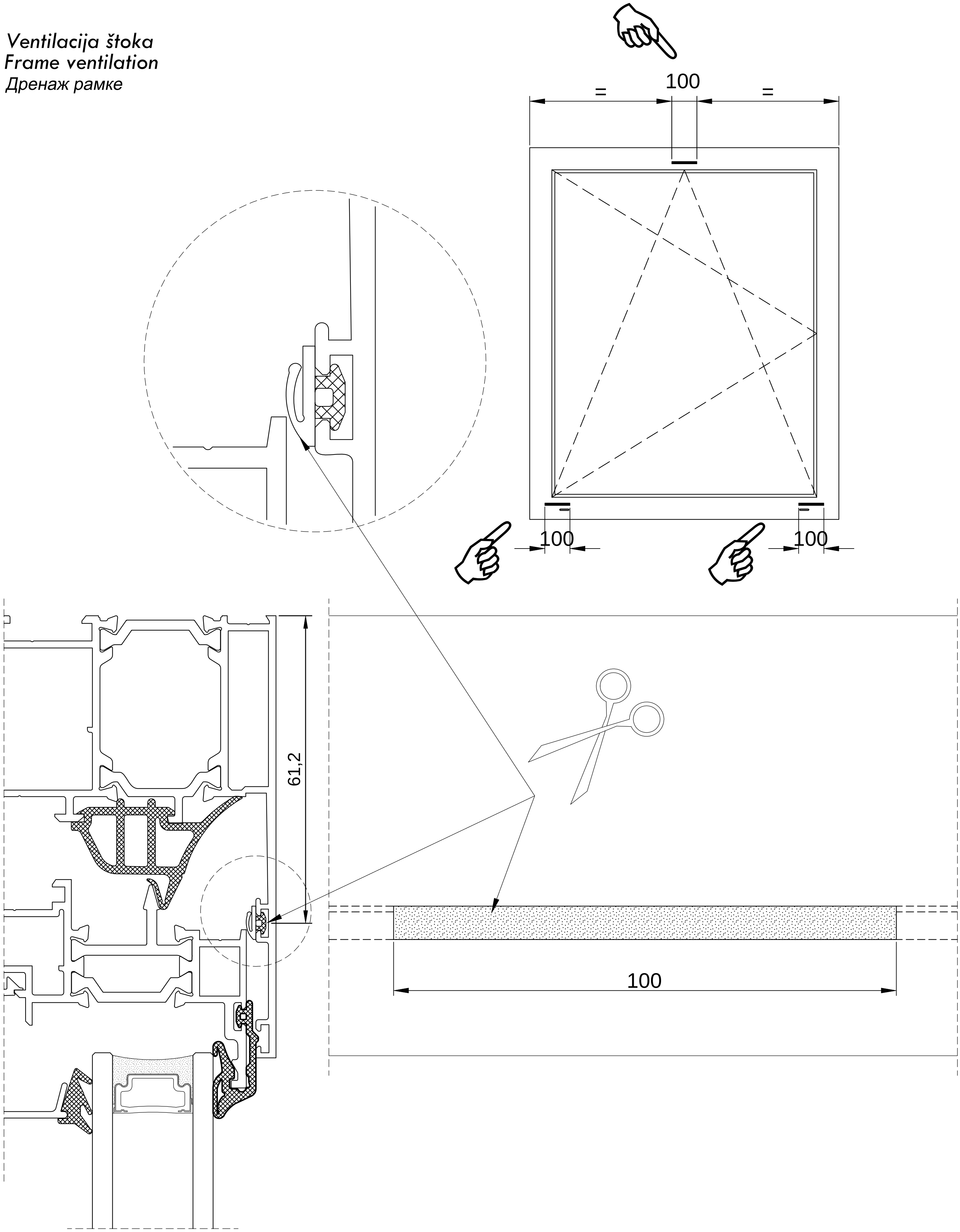
Sve zaptivke lepiti namenski lepkom za gumu
For all gaskets use gasket glue
Все прокладки приложить с эластичным клеем

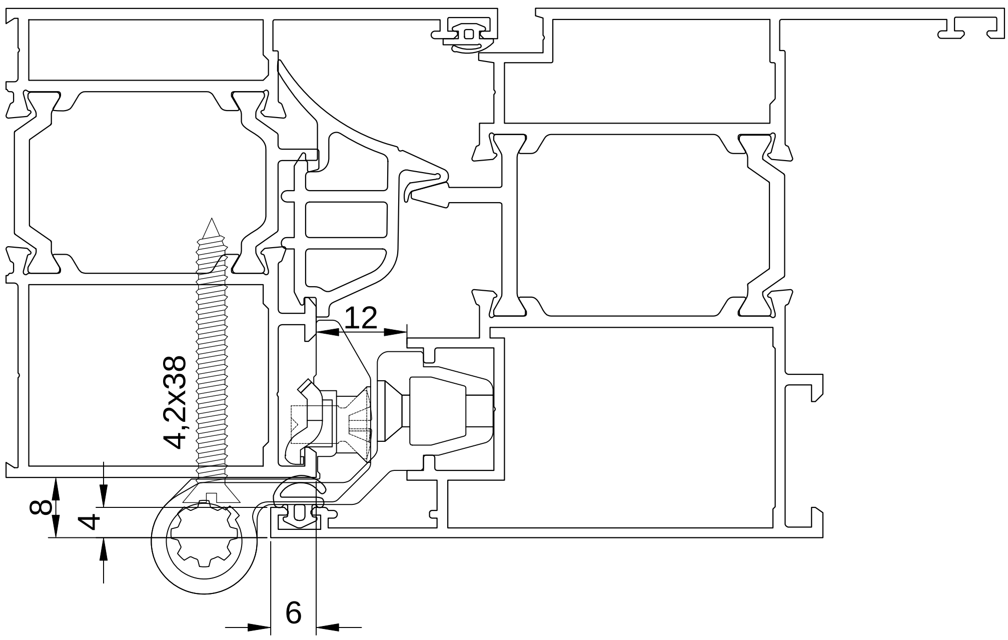


Ventilacija štoka
Frame ventilation
Дренаж рамке



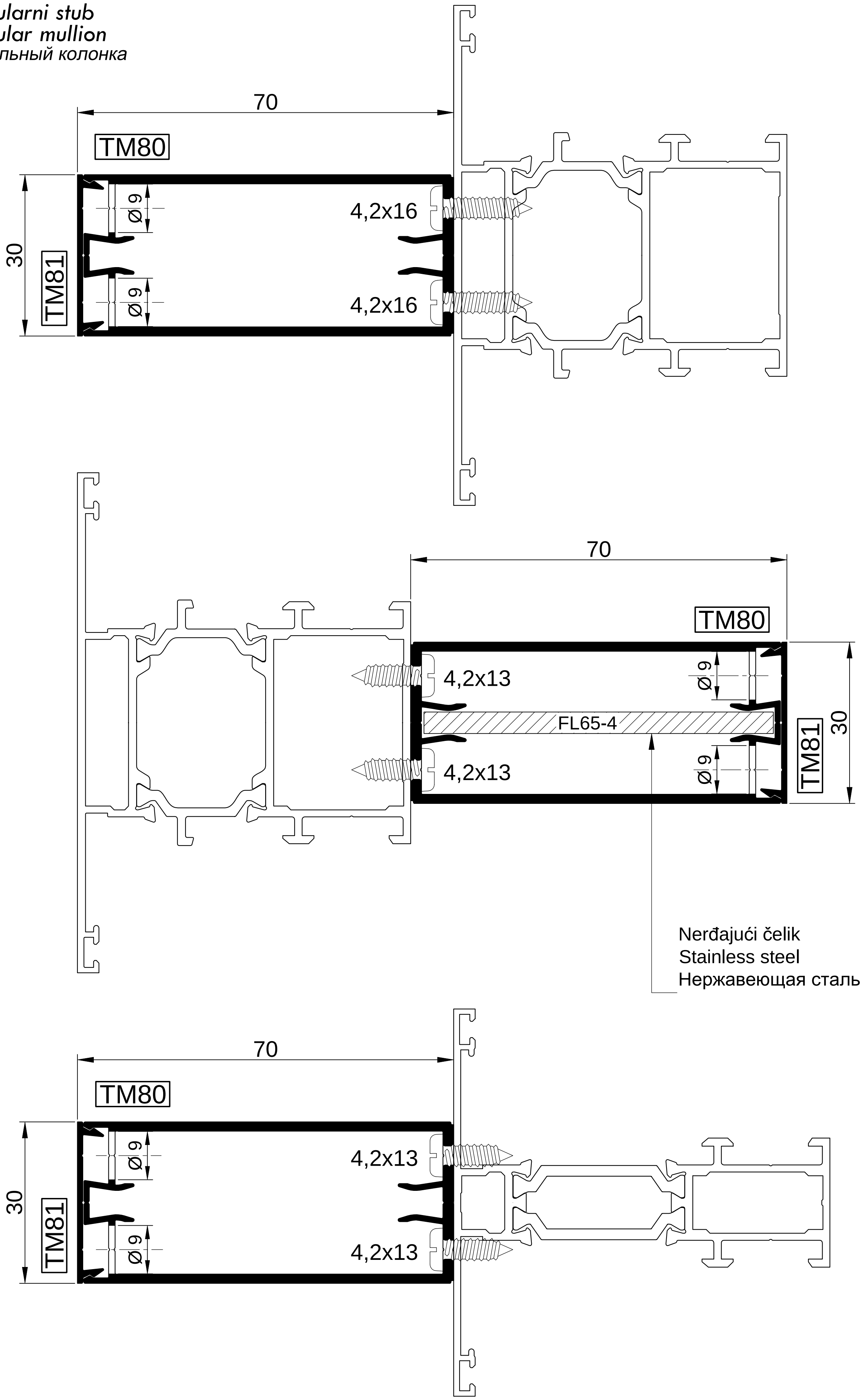
Ventilacija štoka
Frame ventilation
Дренаж рамке

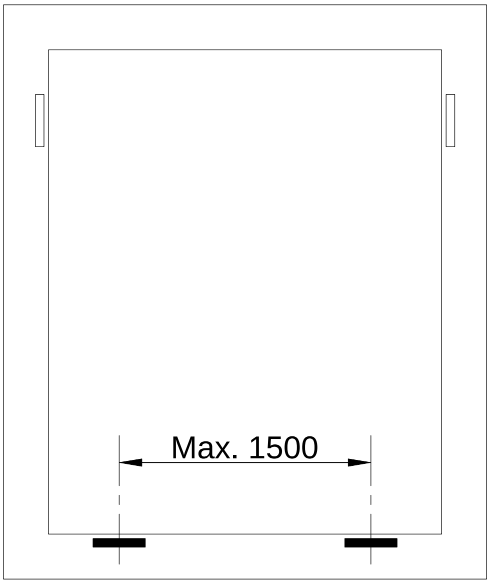


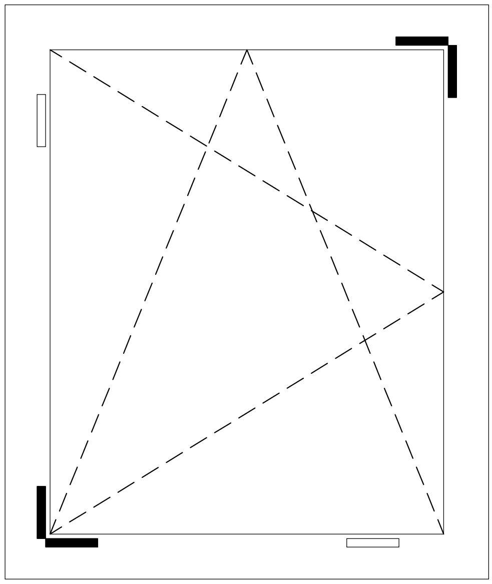


Šarku fiksirati kroz oba zida
Tighten the hinge through the two walls
Присоединять петлю через две стены

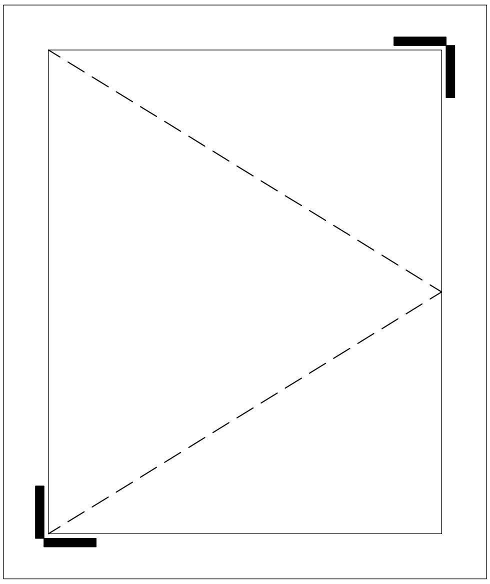
Modularni stub
Modular mullion
Модульный колонка

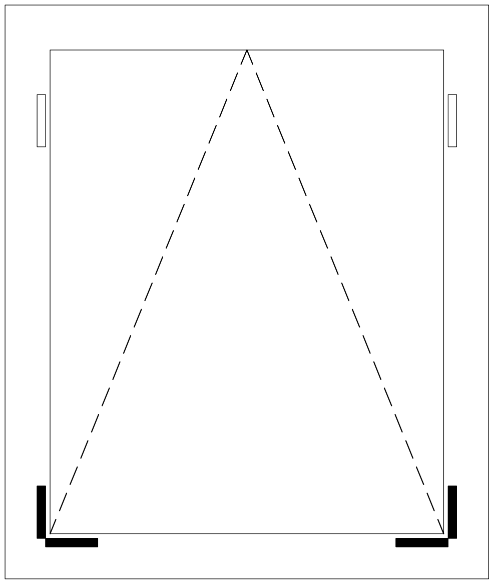




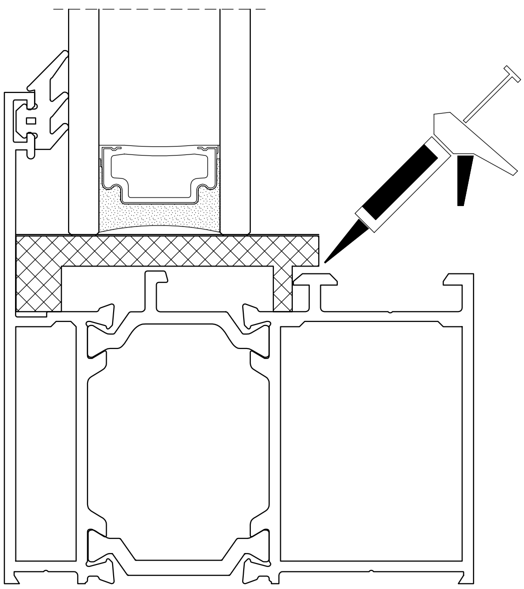


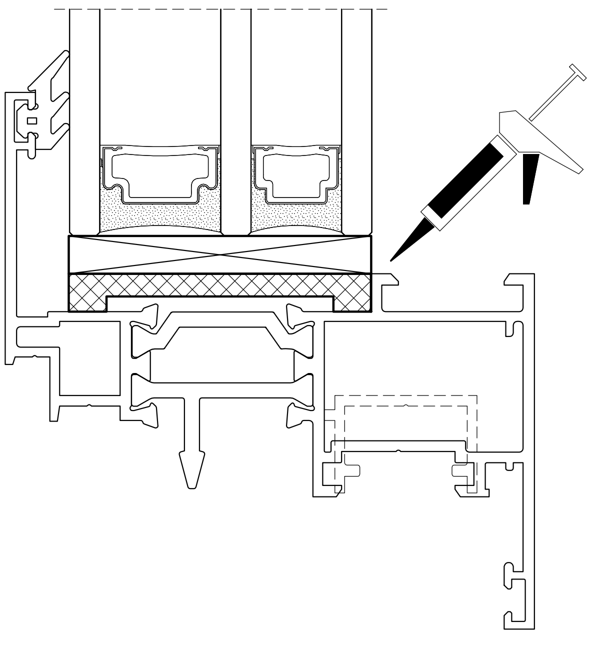
Pomoćna pakna
Additional pad
Остекление



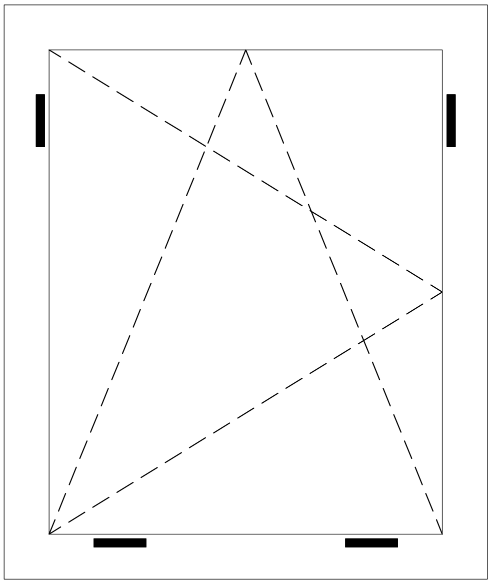


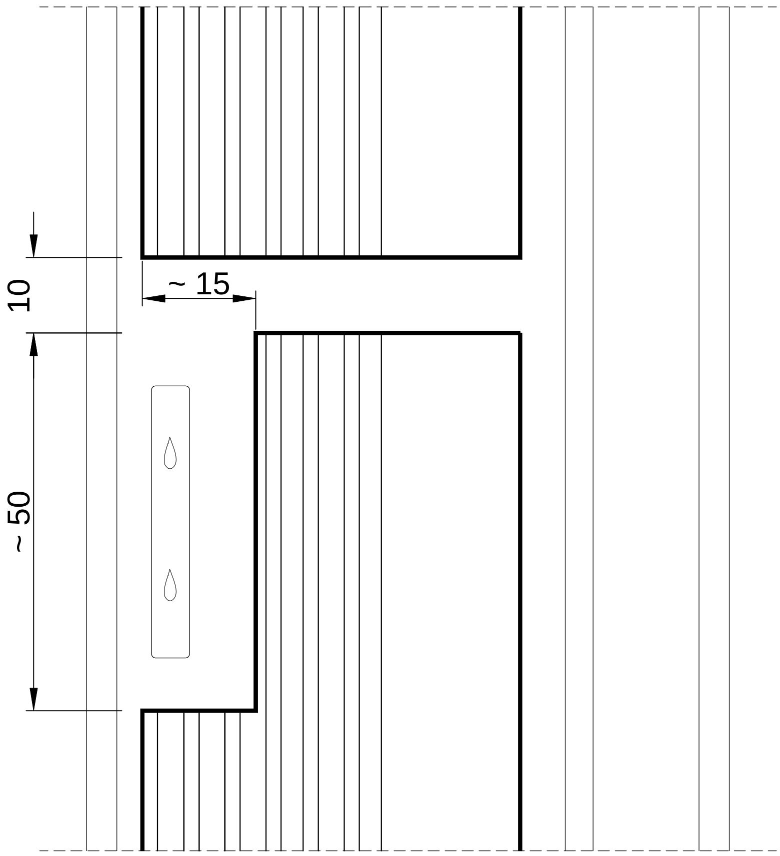
Osnovna pakna
Main pad
Остекление

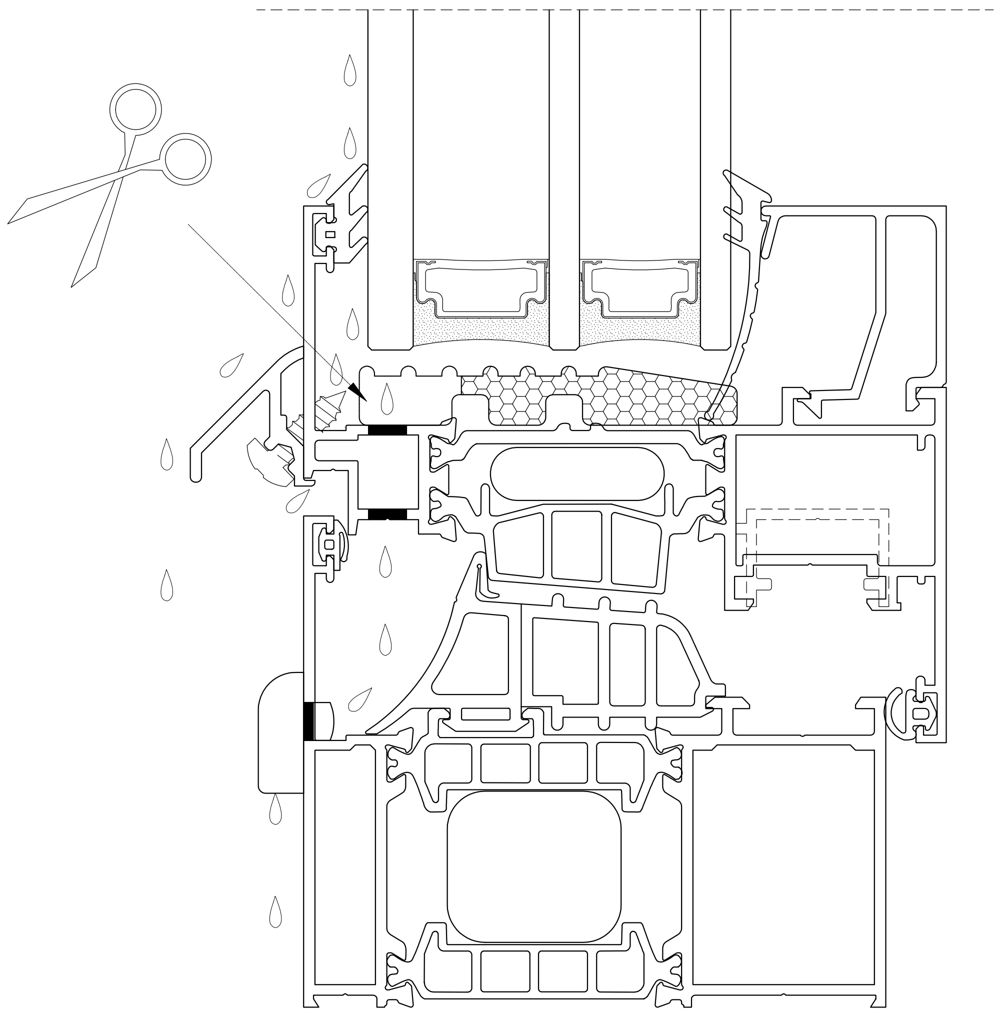




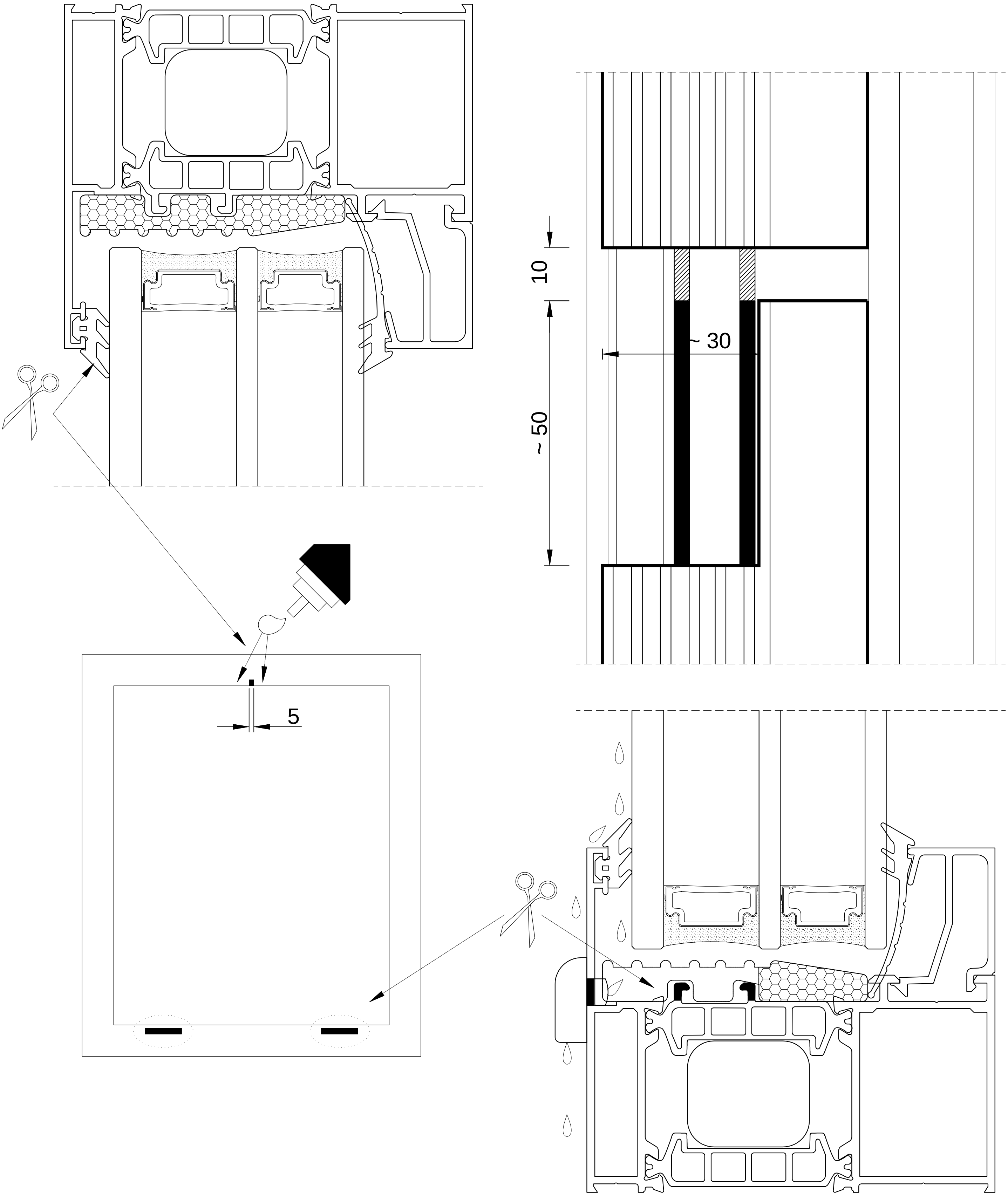
Drenaža i ventilacija krila
Casement drainage and ventilation
Дренаж и вентиляция оконной створки

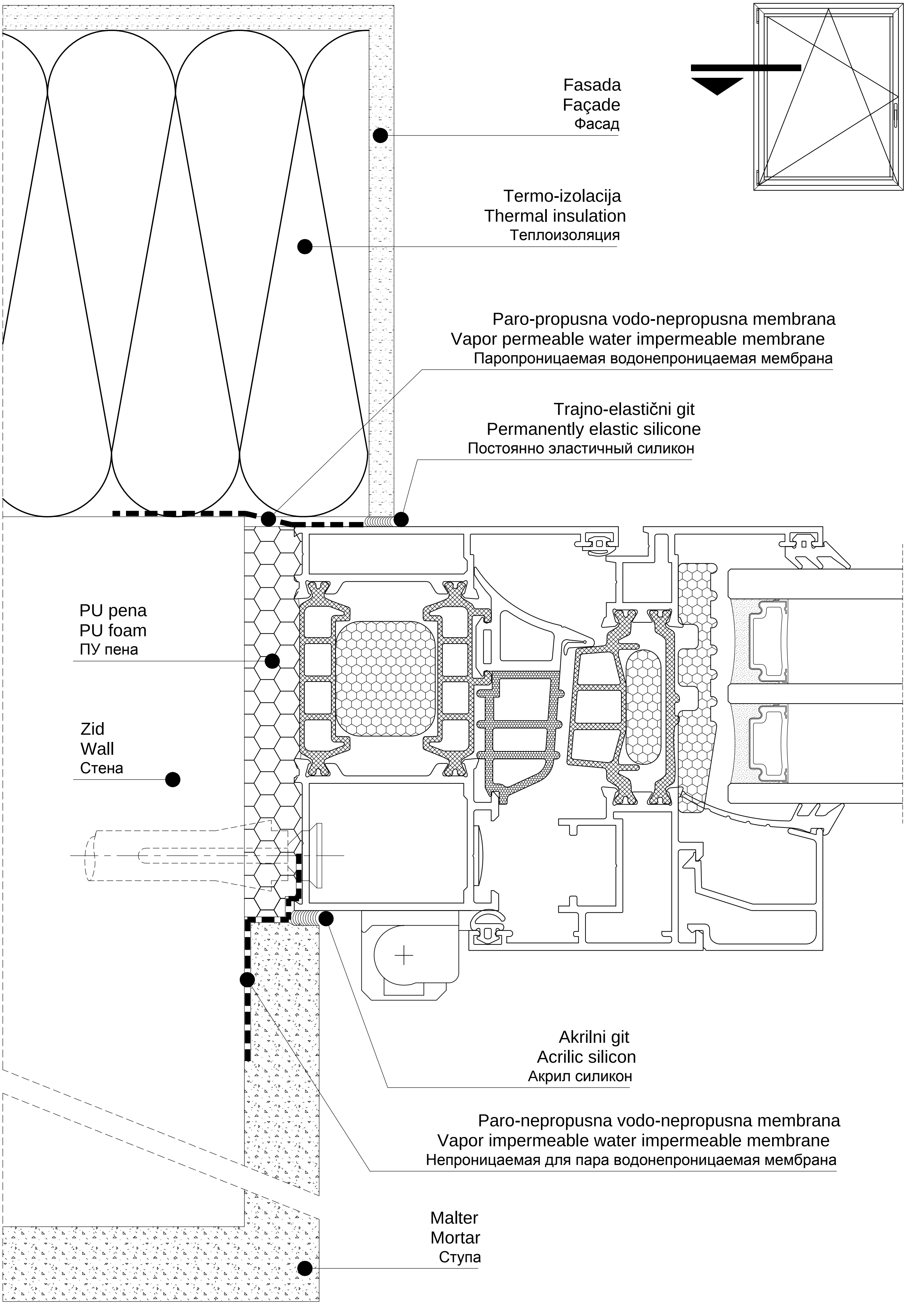


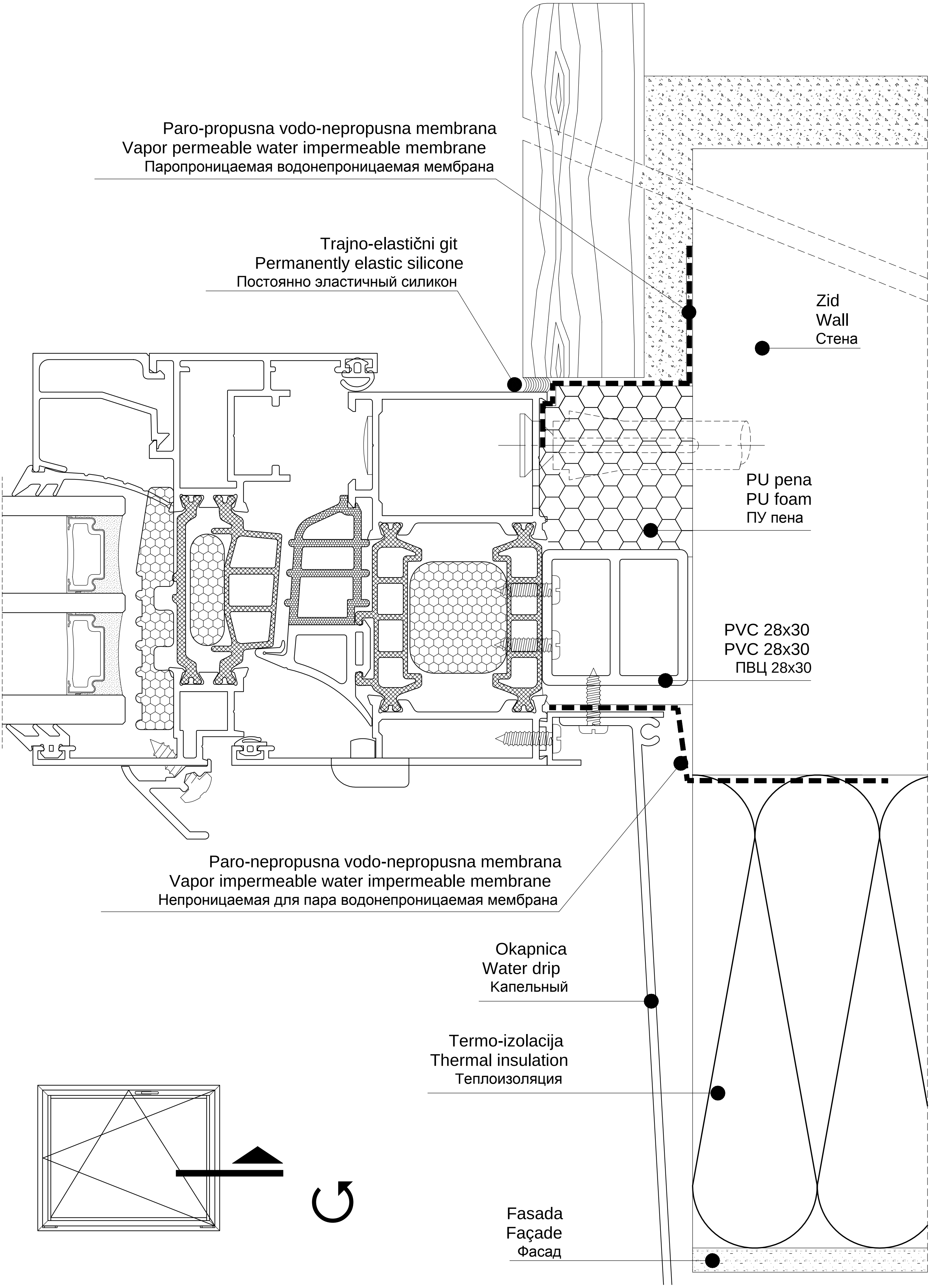


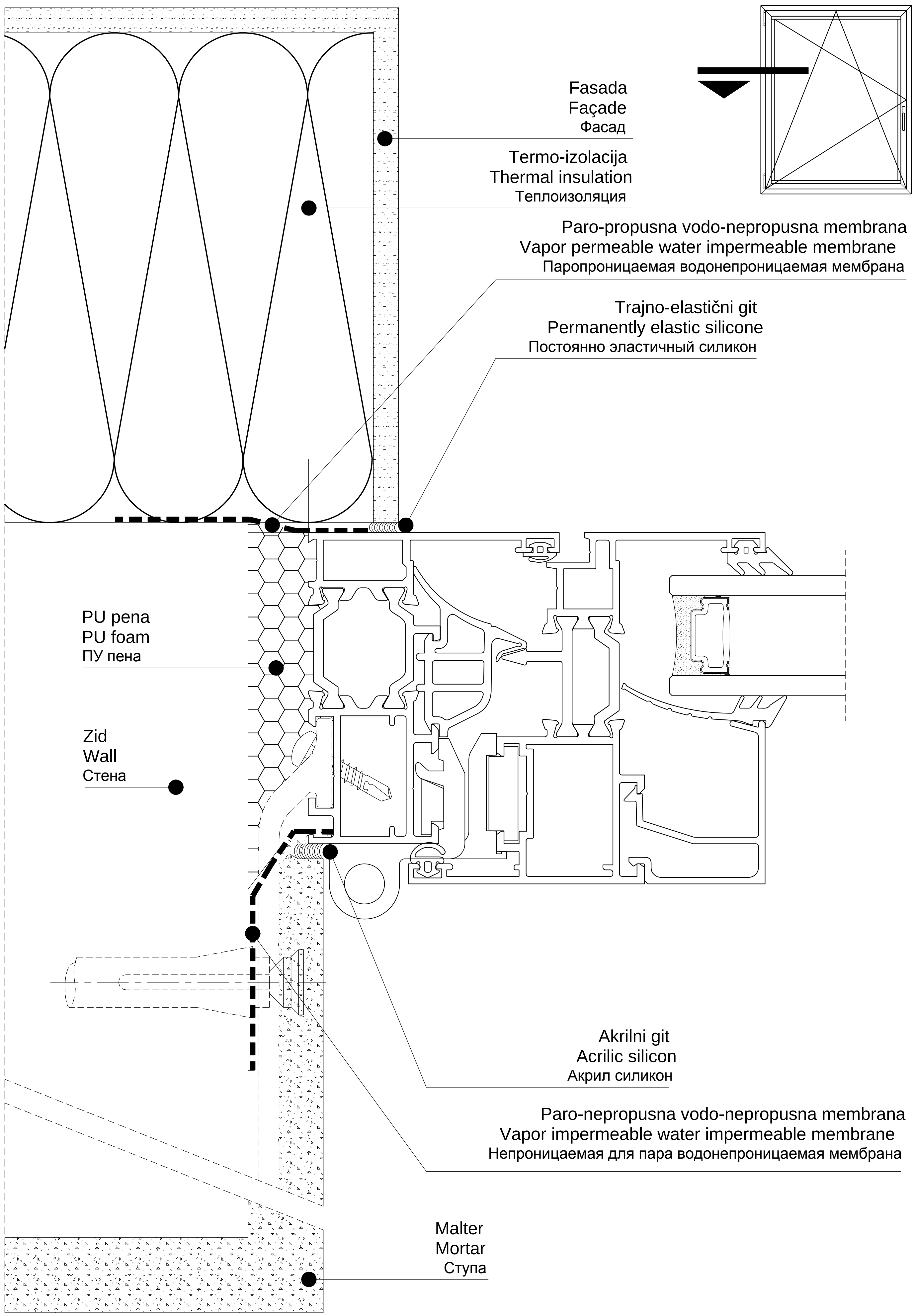


Drenaža i ventilacija štoka
Frame drainage and ventilation
Дренаж и вентиляция оконной




Fasada
Façade
Фасад
Termo-izolacija
Thermal insulation
Теплоизоляция
Paro-propusna vodo-nepropusna membrana
Vapor permeable water impermeable membrane
Паропроницаемая водонепроницаемая мембрана
Trajno-elastični git
Permanently elastic silicone
Постоянно эластичный силикон
PU pena
PU foam
ПУ пена
Zid
Wall
Стена
Akrilni git
Acrilic silicon
Акрил силикон
Paro-nepropusna vodo-nepropusna membrana
Vapor impermeable water impermeable membrane
Непроницаемая для пара водонепроницаемая мембрана
Malter
Mortar
Ступа


Paro-propusna vodo-nepropusna membrana
Vapor permeable water impermeable membrane
Паропроницаемая водонепроницаемая мембрана
Trajno-elastični git
Permanently elastic silicone
Постоянно эластичный силикон
Zid
Wall
Стена
PU pena
PU foam
ПУ пена
PVC 28x30
PVC 28x30
ПВЦ 28x30
Paro-nepropusna vodo-nepropusna membrana
Vapor impermeable water impermeable membrane
Непроницаемая для пара водонепроницаемая мембрана
Okapnica
Water drip
Капельный
Termo-izolacija
Thermal insulation
Теплоизоляция
Fasada
Façade
Фасад


Fasada
Façade
Фасад
Termo-izolacija
Thermal insulation
Теплоизоляция
Paro-propusna vodo-nepropusna membrana
Vapor permeable water impermeable membrane
Паропроницаемая водонепроницаемая мембрана
Trajno-elastični git
Permanently elastic silicone
Постоянно эластичный силикон
PU pena
PU foam
ПУ пена
Zid
Wall
Стена
Akrilni git
Acrilic silicon
Акрил силикон
Paro-nepropusna vodo-nepropusna membrana
Vapor impermeable water impermeable membrane
Непроницаемая для пара водонепроницаемая мембрана
Malter
Mortar
Ступа

Aluminijumski profili koji se proizvode u pogonu TEHNOMARKET-a dobijaju se postupkom ekstrudiranja, koji predstavlja jedan od postupaka obrade metala deformisanjem i podrazumeva kontinuirano istiskivanje termički pripremljene legure mehaničkom presom, kroz specijalno pripremljene matrice (alate) koje definišu geometriju preseka profila. Kao sirovina za izradu aluminijumskih profila koristi se legura na bazi primarnog aluminijuma AlMgSi0.5 (po DIN-u) koja odgovara oznakama AA 6063 i AA6060 (po američkom standardu). Proces ekstrudiranja obavlja se na presi američke proizvodnje BLH kapaciteta 2000 tona sa kontrolisanim procesom rada.

VRSTE PROFILA

Imajući u vidu osnovnu namenu, aluminijumski profili su podeljeni u tri osnovne grupe:

• standardni (trgovački) - profili standardnog oblika kao što su ,,L”, ,,T” i ,,U” profili, kutijasti profili, cevi i ostali
• arhitektonski - profili koji se koriste za izradu aluminijumske bravarije, prozora, vrata, fasada, podkonstrukcije i slično
• industrijski (uslužni) - profili koji se koriste za specifične potrebe naručioca u različitim granama industrije i zanatstva.

MEHANIČKA SVOJSTVA PROFILA

Nakon ekstruzije profili se po pravilu, dodatno termički tretiraju u peći za homogenizaciju postupkom takozvanog starenja, koji obezbeđuju deklarisana mehanička svojstva. Veštačko starenje obezbeđuje površinsku tvrdoću od oko 80HB, kao i zateznu čvrstoću profila koja se kreće u opsegu od 220 do 250Mpa. Takođe, po zahtevu kupca, u u cilju dalje mehaničke obrade, profii mogu biti isporučeni bez prethodnog postupka homogenizacije u vidu nestarenih profila.

POVRŠINSKA ZAŠTITA

Profili dobijeni postupkom ekstrudiranja, a bez dalje površinske zaštite spadaju u kategoriju sirovih. Profili sa naknadno obavljenom povšinskom zaštitom nude se u dve osnovne kategorije završne obrade:

• eloksirani - profili sa zaštitom putem elektrolitičke anodne oksidacije ili takozvane eloksaže
• plastificirani - profili sa površinskom zaštitom putem postupka elektrostatske pulverizacije ili takozvane plastifikacije, u bojama prema RAL ton karti

TEHNOMARKET obezbeđuje kvalitet profila sa površinskom zaštitom u skladu sa važećim standardima SRPS EN ISO 7599 (za postupak anodne oksidacije aluminijuma i legura aluminijuma) i SRPS EN 12206 (za postupak plastifikacije).

Tehnomarket's aluminium profiles are manufactured using extrusion, a mechanical deformation process that uses mechanical force to push thermically treated aluminium alloy trough specially prepared dies that define profile geometry. Only primary aluminium derived alloy AlMgSi0.5 (according to DIN standard) or AA6063 and AA6060 (according to american standards) is used in production of our profiles. Extrusion is done with american-made press BHL with 2000 ton capacity and numerically controlled processes.

PROFILE CATEGORIES

Based on their use, aluminium profiles can be classified in three basic groups:

• standard (commercial) general use profiles like „L“, „T“, „U“ and various square, round and other shapes
• architectural profiles used for manufacturing of aluminium doors, windows, facades and light substructures
• industrial (custom) profiles manufactured according to client supplied drawings for use in various industrial and commercial branches

MECHANICAL PROPERTIES

After extrusion, profiles are generally heat treated in aging oven, in order to obtain desired mechanical properties defined by alloy used in extrusion process.

Artificial aging provides surface hardness of around 80HB, and tensile strength in range from 220 to 250Mpa.

Profiles can also be supplied without heat treatment as unaged and raw for various uses that commend this type of profiles.

SURFACE TREATMENT

Extruded profiles without surface coating are considered raw. There are two types of additional surface coating:

• anodisation profiles are protected by means of electrolytic anode oxidation (or simply anodisation)
• powder coated profiles are painted by electrostatic pulverization (powder coating) in any of RAL colors

Tehnomarket provides quality coated aluminium profiles in all according to current standards as SRPS EN ISO 7599 for anodisation and SRPS EN 12206 for powder coating.

Алюминиевые профили, которые производятся в цехе ТЕХНОМАРКЕТ-а получаются способом экструзии, который является одним из методов обработки металлов давлением и подразумевает непрерывное выдавливание термически подготовленных сплавов механическим прессом, через специально подготовленные матрицы (инструменты), которые определяют геометрию поперечного сечения профиля. В качестве сырья, для производства алюминиевых профилей, используются сплавы алюминия AlMgSi0.5 (согласно DIN-у), который отвечает обозначениям AA6063 и AA6060 (по американскому стандарту). Процесс экструзии осуществляется на прессе американского производства BLH, мощностью в 2000 тонн с возможным контролем процесса работы.

ВИДЫ ПРОФИЛЯ

Принимая во внимание основную цель, алюминиевые профили разделены на три основные группы:

• стандартные (коммерческие) профили стандартных форм, таких как ,,L”, ,,T” и ,,U” профили , коробчатые профили, трубы и другие
• архитектурные - профили, которые используются для производства алюминиевых аксессуаров, дверей, окон, фасад, субконструкции и т. д.
• промышленные (специальные)- профили, которые используются для конкретных потребностей клиентов в различных отраслях промышленности и ремесел.

МЕХАНИЧЕСКИЕ СВОЙСТВА ПРОФИЛЕЙ

После экструзии, профили, как правило, дополнительно подвергаются термообработке в печи для гомогенизации, способом так называемого процесса старения, которым обеспечиваются декларированные механические свойства. Искусственное старение обеспечивает поверхностную твердость от приблизительно 80HB, а также прочность на разрыв профиля, который находится в диапазоне от 220 до 250Mpa. Также, по просьбе заказчика, в целях дальнейшей механической обработки, профили могут быть доставлены без преварительного процесса гомогенизации, в форме профилей которые не были подвергнуты процессу старения.

GEOMETRIJA PROFILA
Geometrija profila definiše se tehničkim crtežima koji služe za izradu matrica. Tačnost izrade matrica i profila, odnosno dozvoljene tolerancije, definisane su serijom standarda SRPS EN 755, prema kome se i vrši unutrašnja kontrola kvaliteta ekstrudiranih profila.

NARUČIVANJE PROFILA
Naručivanje i kupovina profila vrši se preko Službe zadužene za prodaju profila u okviru firme TEHNOMARKET. Važno je da Porudžbenice kupaca sadrže sledeće podatke kako bi što preciznije definisali tip i kategoriju potrebnih profila:
• kataloška oznaka, tačan naziv ili detaljan opis profila koji bi trebalo da posluže da se identifikuje potrebni profil
• dužina šipki u kojoj je potrebno isporučiti profile
• standardna dužina šipki je 6m,na specijalan zahtev, uz posebne uslove i pojedina ograničenja, mogu se isporučiti i profili drugih dužina
• vrsta i oznaka boje površinske zaštite neophodno za oba tipa: eloksažu i plastifikaciji profila ukoliko površinska zaštita nije potrebna, Porudžbina definise potrebne profile kao sirove
• količinu profila, bilo u broju šipki definisane dužine, ukupnoj dužini ili težini profila

PROFILE GEOMETRY
Profile geometry is determined trough technical drawings for extrusion matrix/die. Matrix precision is defined with series of standards SRPS EN 755. The same set of standards is also used as benchmark for internal Quality Control.

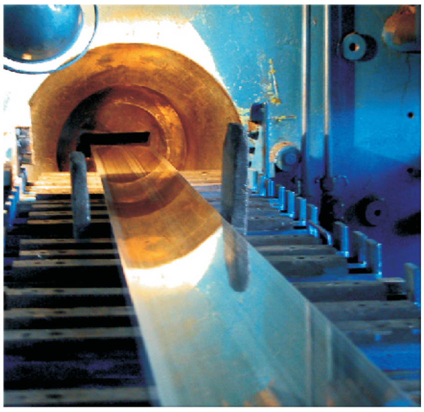
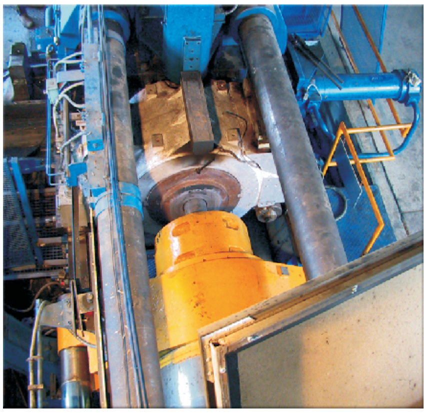
PROFILE ORDERING
Placing orders and purchasing is handled trough corresponding Sales department within company. It is important that Purchase orders contain all relevant information in order to appropriately define following:
• catalogue designation, exact name or detailed description of profile
• bar length required (please note that standard bar length is 6m)
• type and color code for surface coating mandatory for both types of surface coating
• quantity, whether in bar number, total required length or total weight

Please take notice that the technical documentation quotes theoretical profile weight and that the real weights are often different. This is standard and completely normal due to die wear during it's life span and extrusion process. Allowed tolerances are up to +10% over theoretical weight. The minimum order quantity for standard commercial and architectural profiles from TEHNOMARKET's product range is one standard bar of 6m.

ЗАЩИТА ПОВЕРХНОСТИ
Профили, полученные процессом экструзии, а без дополнительной защиты поверхности, входят в категорию сырых. Профили с последующей сделанной защитой поверхности, предлагаются в двух основных категориях окончательной обработки:
• анодированные-профили защищенные способом электролитического анодного окисления или так называемого анодирования.
• пластифицированные - профили с защитой поверхности способом электростатического распыления или так называемой пластификации, в гамме цветов системы RAL. ТЕХНОМАРКЕТ обеспечивает качество профилей с защищенной поверхностью в соответствии с действующими стандартами SRPS EN ISO 7599 (для процедуры анодного окисления алюминия и алюминиевых сплавов) и SRPS EN 12206 (для процесса пластификации).

ГЕОМЕТРИЯ ПРОФИЛЯ
Геометрия профиля определяется в соответствии с техническими чертежами, которые используются для выработки матриц. Точность выработки матриц и профилей, т.е. разрешенные допуски, определены в серии стандартов SRPS EN 755, в соответствии с которыми и выполняется внутренний контроль качества экструдированных профилей.

ЗАКАЗЫВАНИЕ ПРОФИЛЯ
Заказывание и покупка профилей, производится через Службу по продажам профилей в компании ТЕХНОМАРКЕТ. Важно, чтобы заказ клиентов включал следующие данные, для того, чтобы более точно определить тип и категорию требуемого профиля:
• знак в каталоге, точное название или подробное описание профиля, который должен быть использован для идентификации требуемого профиля
• длина стержня, в которой необходимо поставить профили - стандартная длина стержней - 6m, по специальному запросу, со специальными требованиями и некоторыми ограничениями могут поставляться и профили другой длины
• тип и цветовой код защиты поверхности - необходимо для обоих типов: анодированных и пластифицированных профилей, если защита поверхности не нужна, заказ определяет нужный профиль как сырой
• количество профилей - количество стержней определенной длины, или совместной длины, или весу профилей.


Prilikom naručivanja profila potrebno je imati na umu da su u katalozima dati podaci o teorijskim težinama profila i da specifične težine po jednom metru, često ne odgovaraju stvarnim težinama profila. Ovo je posledica standardnog procesa ekstrudiranja i uobičajenog habanja matrica. Dozvoljene tolerancije su + 10% u odnosu na teorijske težine. Za standardne trgovačke profile kao i arhitektonske profile iz programa TEHNOMARKET-a, minimalna količina za narudžbu je jedna šipka standardne dužine od 6.0m. Minimalna količina za porudžbinu industrijskih - uslužnih profila je 500kg po matrici, a na poseban zahtev kupca i uz posebne komercijalne uslove, mogu se prihvatiti i manje narudžbe (ne manje od 200kg po matrici).

Prilikom isporuke profili se isporučuju sečeni na šipke, u dve kategorije sečenja profila:

• grubo sečenje - sečenje profila na liniji za ekstrudiranje koje se vrši pre postupka starenja profila sa tačnošću od +/-15mm. Minimalna dužina profila koja se postiže grubim sečenjem profila je 2m.

• sečenje na preciznu meru - ukoliko naručioc zahteva isporuku profila kraćih od 2m kao i u situacijama kada se traži precizno sečenje tačnosti +/- 1 mm vrši se naknadno sečenje tj. nakon postupka starenja.

Maksimalna dužina profila je ograničena dužinom peći za starenje i ona iznosi 7,5m što je ujedno maksimalna dužina za sirove i eloksirane profile. Za plastificirane profile maksimalna dužina je ograničena uobičajenim dužinama komora za plastifikaciju i ona iznosi 6,5m.

Minimal order quantity for custom extruded profiles is 500kgs per die, and for some specific circumstances and sales terms, smaller quantities may be ordered (but never less than 200kgs per die)

Finished profiles are delivered cut to size, in two distinct categories:

• rough cutting the profile is cut directly on the extrusion line, prior to artificial aging, with precision of +15mm. Minimal length of profiles in this category is 2m.

• precise cutting if the client requires profiles shorter than 2m, and in situations where precision of +1mm is needed, additional precision cutting is done after heat treatment of profiles.

The maximal profile length available for purchase is limited by aging oven dimensions and it is 7,5m, which is also maximal bar length for raw and anodized profiles. The bar length for powder coated profiles is limited by powder coating chamber dimensions and it is usually 6,5m.

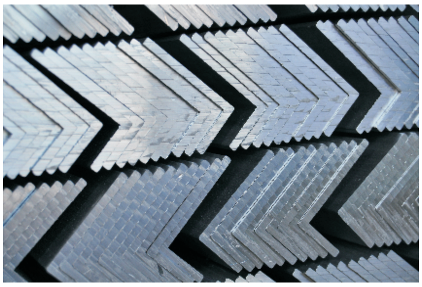
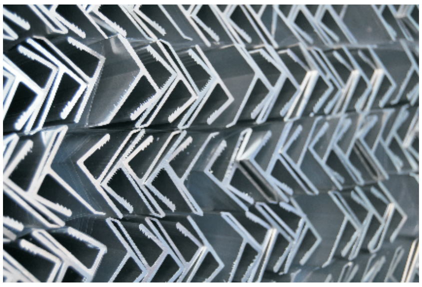
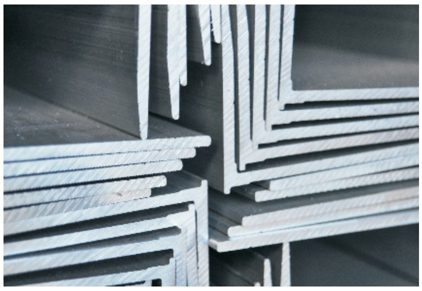
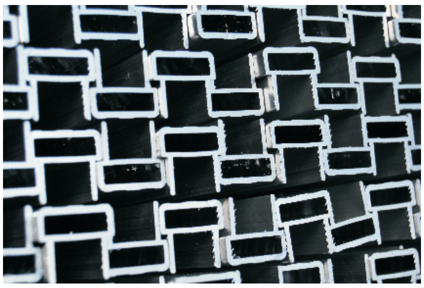
При заказе профиля, следует иметь в виду, что в каталогах представленны данные о теоретическом весе профилей, и что удельный вес на один метр часто не соответствуют фактическому весу профиля. Это является следствием стандартного процесса экструзии и нормального износа матриц. Допустимые допуски +10% по сравнению с теоретическим весом. Для стандартного коммерческого профиля как и архитектурные профиля из продукции ТЕХНОМАРКЕТ, минимальное количество заказа - один стержень стандартной длины от 6.0м. Минимальное количество заказа для промышленных - специальных профилей - составляет 500кг по матрицы, а по специальному запросу покупателя и на специальных коммерческих условиях, могут быть приняты и более мелкие заказы (не меньше чем 200кг по матрицы).

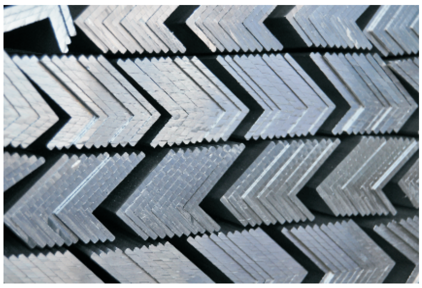
При поставке, профили поставляются резанные на стержени, в двух категориях резке профилей:

• грубая резка - резка профиля на линии для экструзии, которая делается до поступка старения профиля с точностью от ± 15мм. Минимальная длина профиля, которая достигается грубой резкой профиля - 2m.

• резка в размер - если заказчик требует доставку профиля короче чем 2m, как и в ситуациях когда требуется прецизионная точность реза ± 1mm, делается дополнительная резка, т.е. резка после процесса старения.

Максимальная длина профиля ограничивается длиной печи для старения, а это 7,5m, в тоже время и максимальная длина для сырого и анодированного профиля. Для пластифицированных профилей mаксимальная длина ограничена длиной камеры для пластифицирования, и составляет 6,5m.



PROFILI: pakovanje, skladištenje i transport

PROFILES: packaging, storage and transportation

Профили: упаковка, хранение и транспортировка

Nakon zavrsenog procesa ekstrudiranja, starenja profila i kontrole kvaliteta gotovih proizvoda, aluminijumski profili se sladiste u namenski pripremljenim policama na način koji obezbeđuje međusobno razlikovanje grupe i tipa profila. Od daljeg postupka obrade i površinske zaštite zavisi dalja priprema i skladištenje, kao i pakovanje i transport.

SIROVI profili smatraju se najmanje zastićenim, jer poseduju samo sloj prirodne oksidacije, tako da su osetljivi na koroziju, atmosferske uticaje, pa čak i na manju mehaničku silu. Preporuka je da se kod ovog tipa profila izbegava dug period skladištenja. Skladišteni prostor mora biti suv i ventiliran, bez direktne izloženosti suncu, kako bi se sprečila pojava kondenza po površini profila.

Pakovanje za isporuku isključivo mora biti u neutralnu perforiranu foliju ili u odgovarajući PH neutralni papir bez boje. Važno je međusobne dodirne površine svesti na najmanju moguću meru, da bi se izbeglo trenje kao i zarobljavanje kondenza. Profili bez površinske zaštite nipošto se ne smeju ovlaženi zamotavati u folije, jer takav način pakovanja prouzrokuje koroziju površine, koja potpomognuta sunčevim zracima može nastati u veoma kratkom roku.

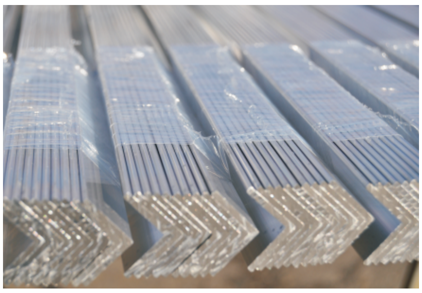
ELOKSIRANI profili usled hemijskog tretmana povrsine imaju na sebi veći sloj zaštite, ali način pakovanja i skladištenja se bitno ne razlikuje od sirovih profila. Kod ovako tretirane površine, profili se moraju čuvati na suvom, zasenčenom i provetrenom mestu, upakovani u posebne folije ili papir. Eloksaža je posebno osetljiva na hemijske uticaje i mikro oštećenja. Iz ovog razloga važno je dobro zaštititi profile u agresivnim sredinama i obezbediti da ne budu izloženi manjim mehaničkim udarima, pomeranjima i međusobnom trenju.

After extrusion, ageing and final quality control, aluminium profiles are stored on a special, custom made shelves that allow separation between different groups and profile types un the warehouse. Further preparation, storage, packaging and transport are different for each of available surface treatments.

RAW profiles are considered least protected, because they carry only a natural oxidative layer on the surface, making them susceptible to corrosion, atmospheric influences, even to a lesser mechanical force. It is recommended to avoid long storage periods with raw aluminium profiles. The storage space must be dry and ventilated, without direct sunlight exposure, in order to prevent surface condensation on the profiles.

Packaging for delivery is done exclusive with neutral, perforated foil or appropriate PH neutral, non-colored paper. It is important to minimize contact surfaces between profiles in order to avoid friction and capture of condensation. Profiles without any surface treatment should never be foil-wrapped while wet, because wrapping speeds up the corrosion proces, that can occure in a avery short time, especially when exposed to direct sun.

ANODIZED profiles are already better protected that the raw ones, but storage and packaging are not very different than previous group. This type of surface treatment requires dry, ventilated storage without direct sunlight, and profiles have to bi wrapped in protective foil. Anodization is especially sensitive to chemical and mechanical influences and susceptible to micro-damage. Therefore, it is recommended to thoroughly protect profiles in aggressive environments and exclude any possibility of mechanical damage due to impact, movement or friction.



После завершения процесса экструзии, старение (окончательная термообработка) профиля и контроля качества готовой продукции, алюминиевые профили хранятся на специально подготовленных стеллажах, по методу, который обеспечивает междусобное разлечение групп и тип профилей. От дальнейшей процедуры обработки и поверхностной защиты, зависит и дальнейшая подготовка и хранение, а также упаковка и транспортировка.

СЫРЫЕ профили считаются меньше всего защищенными, потому что они имеют слой естественного окисления, чувствительны к коррозии, к воздействию окружающей среды, и даже на маленькую механическую силу. Рекомендуется, чтобы для этого типа профилей должен избегаться длительный срок хранения. Складское помещение должно быть сухим и проветриваемым без прямых солнечных лучей, чтобы предотвратить возникновение конденсата на поверхности профиля.

Упаковка для поставки, исключительно должна быть только в нейтральной перфорированной пленке или в соответствующей pH безцветной нейтральной бумаги. Важно, чтобы взаимные контактные поверхности были сведены к минимуму, во избежания трения и захвата конденсации. Профили без обработанной поверхности, ни в коем случае не должны быть завернуты в фольгу влажными, потому что такая упаковка вызывает коррозию поверхности, которая поддержанная солнечным светом может настать в очень короткий срок.

АНОДИРОВАННЫЕ профили, ввиду химической обработки поверхности, имеют на себе больший слой защиты, но метод упаковки и хранения существенно не отличается от метода для сырых профилей. Профили, поверхности которых обработаны этим методом, должны храниться в сухом, без прямых солнечных лучей и проветриваемом месте, упакованы в специальную фольгу или бумагу. Анодирование особенно чувствительно к химическим воздействиям и микроповреждениям. По этим причинам, необходимо хорошо защитить профиля в агрессивных окружениях и предохранить их, чтобы они не подвергались механическому воздействию, движению и взаимном трению.

LINEAL

PROFILI: pakovanje, skladištenje i transport

PROFILES: packaging, storage and transportation

ПРОФИЛИ: упаковка, хранение и транспортировка

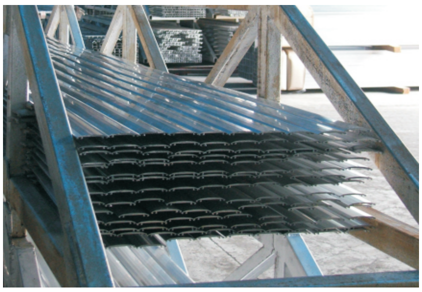
PLASTIFICIRANI profili su svojom povrsinom koja ima nanet zastitni sloj boje, otporniji od sirovih i eloksiranih profila. Njihova osetljivost je daleko manja po pitanju zahtevanih uslova skladistenja zbog pojačane otpornosti površine profila na vodu, vlagu i kondenz. Kod ove grupe bitno je da folija i papir kojim se pakuju ovi profili, budu neutralni i otporni na UV zrake, kako ne bi došlo do promene završne boje i pojave fleka. Plastifikacija bolje podnosi i mikro mehanička oštećenja, ali je i dalje osetljiva na jače udare, tako da je bitno pravilno odlaganje u magacinske police i pakovanje profila u buntove.

Ono sto je zajedničko za sva tri tipa profila je to da je obavezno skladištenje na suvom mestu, pri temperaturama koje ne variraju drastično i koje ne idu iznad 35°C, dok vlažnost vazduha ne bi trebalo da prelazi 65%. Preporučuje se da prostor ima visok nivo ventilacije i stalno prisutno kretanja vazduha.

Najpovoljnije odlaganje i čuvanje sva tri tipa profila je u zatvorenom magacinskom prostoru, dobro provetrenom, na posebno dizajniranim policama za slaganje šipki aluminijumskih profila.

Kako bi se izbegle deformacije potrebno je da svi profili budu u horizontalnom polozaju, postavljeni na ravnu i stabilnu povrsinu, koja moze biti puna ili u vidu rebara dovoljno gusto postavljenih kako bi se izbegla krivljenja po duzini. Tezina, veličina i savitljivost profila diktiraju tip oslonca magacinskih polica i veličine krajnih pakovanja.

Zbog sigurnosti i bolje zastite, preporučuje se da transport profila bude zatvorenog tipa, sa čvrsto upakovanim profilima u buntove. Neophodno je da svi buntovi budu fiksirani za palete, kako bi se izbeglo pomeranje u toku transporta, a tim i ugrožavanje geometrije i krajnjeg kvaliteta površine.



POWDER COATED profiles are more resistant than raw and anodized ones. They are far less demanding in regard of storage conditions due to their good surface resistance toward water, humidity and condensation. It is important that wrapping foil or paper are neutral and UV resistant, in order to prevent change of surface color and appearance of stains. Powder coating is also more resistant to micro-damage, but they should still be protected from impact damage and properly packaged and stored on shelves.

What all three profile types have in common is need for dry, well ventilated and covered storage space, with relatively stable temperature not higher than 35°C and humidity below 65%.

Closed, specially designed and equipped warehouse is recommended for appropriate storage of all types of aluminium profiles.

To avoid profile deformation, it is recommended that they are placed horizontally, on flat, rigid surface that can be either a solid plate or a ribbed construction with small enough distance between individual ribs in order to keep profiles from deformation. Weight, size and flexibility of profiles dictates the type of storage shelves and final packaging size.

In order to insure safety and optimal protection, it is recommended that profiles are transported in an enclosed vehicle, securely wrapped in bundles. It is necessary that all bundles are safely attached to palettes to avoid possible damage of paint coat and profile geometry during transport due to unwanted movement.

ПЛАСТИФИЦИРОВАННЫЕ профили, на поверхность которых нанесен защитный слой краски, более устойчивые от сырых и анодированных профилей. Их чувствительность значительно меньше, с точки зрения требуемых условий хранения, в связи с увеличением сопротивления профиля к воде, влаги и конденсации. В этой группе важно, чтобы пленка и бумага, в которые упакованы эти профили, были нейтральными и устойчивы к воздействию ультрафиолетовых лучей, чтобы не произошли изменения в конечной окраски цвета и появления пятен. После пластификации, профили лучше переносят и микромеханические повреждения, но по-прежнему уязвимы на сильные удары, поэтому важное значение имеет правильное хранение на складских полках и упаковка профилей в пучки.

То, что является общим для всех трех типов профилей, обязательное складирование на сухом месте при температурах, которые резко не меняются, и не поднимается выше 35°C, а влажность воздуха не должна превышать 65%. Рекомендуется, чтобы в помещении был высокий уровень вентиляции и присутствие постоянного воздушного движения .

Самое лучшее складирование и хранение всех трех типов профилей в закрытом складском помещении, хорошо проветриваемом, на специальных разработанных полках для укладки стержней алюминиевых профилей.

Во избежании деформации профилей, необходимо чтобы все профили были в горизонтальном положении, положенные на плоскую и устойчивую поверхность, которая может быть целая или в виде достаточно плотных ребер, во избежаний искажений по длине профиля. Вес, размер и гибкость профилей определяться по типу складских полок и размеру готовой упаковке.

Для обеспечения безопасности и лучшей защиты, рекомендуется закрытый транспорт профилей, с плотно упакованными пучками профилей. Очень важно, чтобы все пучки были притянуты к поддону, с тем чтобы избежать смещения во время транспортировки, чтобы не поставить под угрозу геометрию и конечное качество поверхности.

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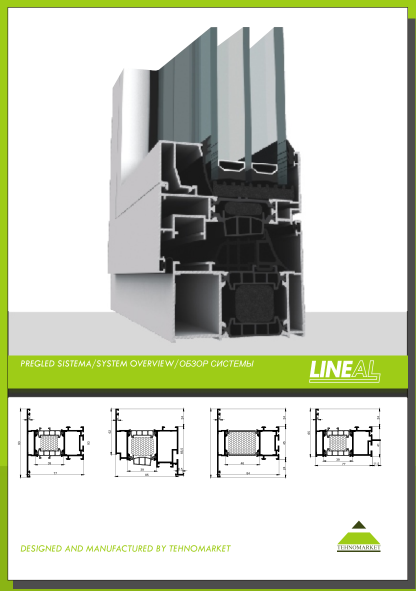

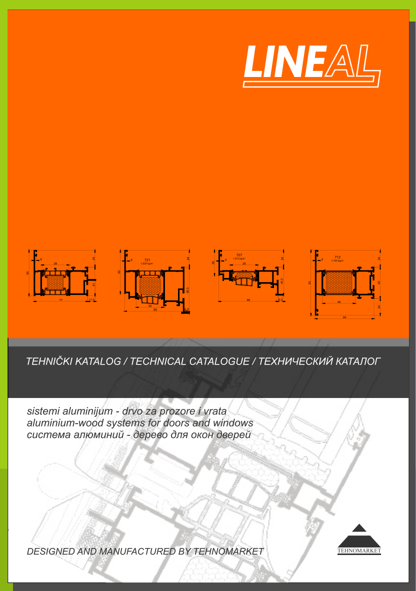

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