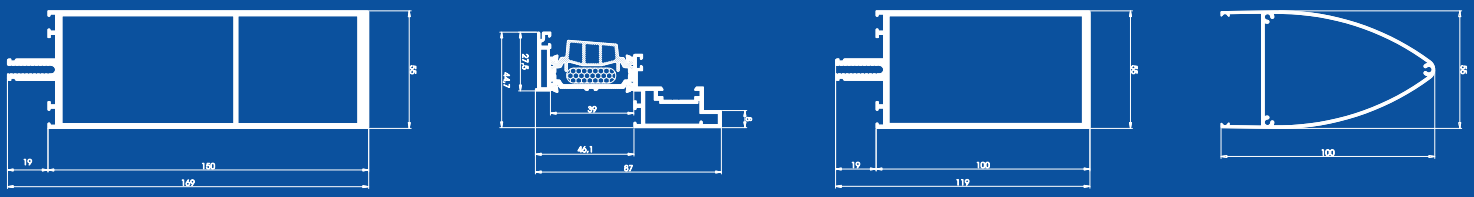
ALUMINIK CS55



TEHNIČKI KATALOG / TECHNICAL CATALOGUE / ТЕХНИЧЕСКИЙ КАТАЛОГ

aluminijumski sistemi za ostakljene fasade
aluminium systems for glass facades
система алюминий для стакянных фасадов

DESIGNED AND MANUFACTURED BY TEHNOMARKET

TEHNOMARKET

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TEHNIČKI OPIS - ALUMINIK CS55

Sistem profila ALUMINIK CS55 čini grupa aluminijumskih profila projektovanih za izradu aluminijumskih ostakljenih fasada kao i krovnih lanterni minimalnog nagiba od 10%. Osnovni koncept fasade je primarna aluminijumska konstrukcija sačinjena od vertikalnih i horizontalnih profila širine 55mm i dubine od 50 do 150mm. Ispuna formiranih polja može biti staklena ili panelna.
Prema vizuri, odnosno sistemu fiksiranja ispuna izdvajaju se tri podsistema:

- **KONTINUALNA – sa vidiljivim pritisnim profilima**
- **STRUKTURALNA – bez vidljivih pritisnih profila**
- **KOMBINOVANA – u kombinaciji vidljivih i strukturalnih vizura**

Profili sistema ALUMINIK CS55 se dobijaju postupkom ekstruzije u pogonima "TEHNOMARKET"-a. Kao sirovina za izradu koriste se legure po AA standardu 6063 i 6060 (DIN standard AlMgSiO.5).
Sistem ima integrisan termički prekid. Termički prekid se ostvaruje ispunama od LDPE sunđerastog profila kao i poliamidnim trakama Pa 6.6 sa 25% staklenih vlakana.
Sastav i mehanička svojstva poliamidnih traka su atestirana. Sila smicanja spoljnog i unutrašnjeg aluminijumskog profila koje povezuje poliamidna traka je kontrolisana. Ovakvom konstrukcijom obezbeđena su odlična termoizolaciona svojstva.
Fasade ALUMINIK CS55 imaju integrisane sisteme za ventiliranje i drenažu, tako da je isključena mogućnost pregrevanja fasade u letnjim mesecima, kao i prodor atmosferske vode u objekat.
Zaptivanje između rama i krila obezbeđuju EPDM zaptivke otporne na starenje i uticaj ultraljubičastih zraka.
Površinska obrada profila može biti anodna oksidacija (eloksaža), debljine oksidnog sloja minimalno 15µm. Drugi postupak površinske obrade profila je elektrostatska pulverizacija (plastifikacija) debljine sloja do 70µm. Površinska obrada spoljnog i unutrašnjeg dela profila može biti u različitoj boji.

KONTINUALNA FASADA
iz grupe sistema profila ALUMINIK CS55 namenjena za izadu aluminijumskih ostakljenih fasada kao i krovnih lanterni minimalnog nagiba od 10%.
Sistem kontinualne aluminijumske ostakljene fasade odlikuje se jasno naglašenim horizontalnim i verikalnim profilima sa spoljnje strane fasade. Vidni profili predstavljaju pritisne i pokrivne kape koje fiksiraju staklene ispune za primarnu aluminijumsku konstrukciju fasade sačinjenu od aluminijumskih vertikalnih i horizontalnih profila.
Primarna konstrukcija je širine 55mm, a dubina može biti od minimalnih 50mm pa do 150mm u zavisnosti od potrebnog statičkog momenta inercije odnosno otpornog momenta. Sistem poseduje i namenske alumijumske profile za povećanje momenta inercije čime je moguće postići Ix > 1100 cm⁴ za premošćavanja i najvećih rastera, a bez uvođenja sekundarne čelične konstrukcije.
Aluminijumska konstrukcija fasade se pričvršćuje za konstrukciju objekta namenskim aluminijumskim ili čeličnim kotvama.
Ovaj sistem nudi velike mogućnosti kombinovanja različitih oblika profila kapa radi postizanja jedinstvenih efekata u završnom izgledu objekta. Kape mogu biti pravougaone, ovalne, naglašene ili polustrukturane vizure.
Kontinualna fasada nudi opciju korištenja dvoslojne i troslojne staklene ispune uz čiju pomoć postižu izuzetno dobre termičke performance koje idu do izuzetnih Uf=0,6 W/m2K. Takođe ispunu mogu činiti i razni drugi materijali kao što su Alubond, lim ili slično. Debljina ispune se kreće od 2mm pa sve do 60mm.
Otvarajući elementi su integrisana strukturalna krila sa otvaranjem oko gornje horizontalne osovine ili paralelno sa fasadnom ravni kako bi se izbeglo vidno pozicioniranje otvarajućih krila u odnosu na fiksna polja. Takođe moguće je integrisati klasične okretno nagibne prozore, balkonska vrata ili ulazna vrata kao i automatska klizna ili klizno-zaokretna vrata.
Parapetne ispune se rešavaju jednostrukim ventiliranim ispunama sa dodatkom namenskih profila za prihvat termo-izolacione ispune najrazličitijih tipova. Debljina termo-izolacione ispune se kreće od 50mm pa do 180mm.

STRUKTURALNA FASADA
Sistem strukturalne aluminijumske ostakljene fasade odlikuje se minimalističkim izgledom staklene vidne površine fasade, bez primene spoljnjih profila za fiksiranje staklenih ispuna. Stakleni paneli se pričvršćuju za fasadnu vertikalnu i horizontalnu noseću aluminijumsku konstrukciju potpuno skrivenim veznim elementima. Fugne između stakla dodatno se ispunjavaju gumenim zaptivkama ili specijalnim strukturalnim silikonima u crnoj boji.
Na ovaj način efikasno se kombinuju unapređena tehnička rešenja fasadnih sistema poslednje generacije sa prozračnim, luksuznim izgledom koji ovaj tip ostakljene fasade nudi.
Strukturalna fasada nudi opciju korištenja dvoslojne i troslojne staklene ispune uz čiju pomoć postižu izuzetno dobre termičke performance koje idu do izuzetnih Uf=0,8 W/m2K. Unapređen sistem fiksiranja strukturalnih stakala omogućava primenu warm-edge lajsni u staklu kako bi se maksimalno unapredile termičke karakteristike fasade.
Takođe ispunu mogu činiti I razni drugi materijali kao što su Alubond, lim ili slično. Debljina ispune se kreće do 56mm.

KOMBINOVANA FASADA
Sistem kombinovane aluminijumske ostakljene fasade odlikuje se naglašenim horizontalnim profilima, kapama sa spoljnje strane fasade, dok po vertikali ovi profili izostaju i ustupaju mesto strukturalnom načinu fiksiranja stakala za primarnu konstrukciju. Kombinacija strukturalnog i kontinualnog sistema nudi širok spektar mogućnosti implementacije različitih dizajnerskih rešenja u cilju naglašavanja unapred odabranih linija i pravaca na fasadama.
Uz opciju dvoslojne i troslojne staklene ispune kombinovana fasada nalazi primenu u svim segmentima moderne arhitekture, naročito u slučajevima posebnih zahteva u oblasti energetske efikasnosti i termičkih karakteristika kompletnog sistema.

TECHNICAL DESCRIPTION – ALUMINIM CS55

Aluminik CS55 aluminium profile system group is designed for manufacturing of curtain walls and glass roof skylights (with minimal slope of 10%). The basic facade structure consists of 55mm wide aluminium profiles, with available depths varying from 50mm up to 150mm, depending on the requirements. The final unit infill can be either glass or any other panel materia suitable for exterior usage.
According to fixing system and visual appearance, there are three major groups of ALUMINIK CS55 curtain walls :

- **CONTINUAL – with visible horizontal and vertical outer profiles**
- **STRUCTURAL – without visible horizontal and vertical outer profiles**
- **COMBINED – combination of visible and invisible outer profiles**

Aluminium profiles are 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. ALUMINIK CS55 system features integrated thermal break achieved with polyamide stripes (PA 6,6 with 25% glass fibers) with certified chemical composition and mechanical properties. Guaranteed shearing force for profiles connected with polyamide stripes is strictly controlled during production. This type of profile construction provides exceptional thermal performance. Other important features of ALUMNINIK CS55 system are integrated ventilation and drainage systems that completely neutralize overheating or water penetration. Sealing between frame and sash is achieved with three separate EPDM gaskets resistant to UV light. The system is available in both anodized or powder-coated surface finish with optional different colors of inner and outer part of the profile.

CONTINUAL FACADE from Aluminik CS55 aluminium profile system group for curtain walls and glass roof skylights (with minimal slope of 10%)
The system's trademark are visibly emphasized outer profiles, both horizontal and vertical. These visible profiles are actually pressure plates and cover caps used to attach glazing panes to load barring facade structure that consists of horizontal mullion and vertical transom aluminium profiles.
The primary construction is 55mm wide, and the depth varies from 50mm up to 150mm, depending on the required, calculated moment of inertia. There are specially designed aluminium profiles that improve system's moment of inertia up to Ix > 1100 cm4 for installation of large facade units without usage of additional steel substructure.
Aluminium substructure is attached to a building via special aluminium or stainless steel anchors. This system offers great flexibility in combining different shapes of cover caps to achieve the unique appearance of a finished building. The cover caps can be angular, rounded, emphasized or visually similar to semi-structural glass curtain wall.
Continual facade features options of double and triple glazing that helps to achieve exceptional thermal performance that goes up to Uf=0,6 W/m2K. Another characteristic feature is that any suitable material with thickness from 2mm to 60mm can be used instead of glass - Alubond composite panels, sheet metal and similar.
Opening units of the facade are structural glazed sashes with two opening options: revolving around upper horizontal axis or parallel with facade plane in order to avoid visible differentiation between fixed and opening units. The system supports integration of standard tilt&turn windows, balcony, entry and automated sliding or slide-revolving doors.
Spandrel panels are designed with single layer ventilated panel and additional profiles for different options of thermal insulation (supported thickness from 50mm to 180mm).

STRUCTURAL FACADE
The structural facade system features minimalistic glass-only design without visible outer structural profiles. Hidden brackets are used for attachment of panels to transom and mullion load barring aluminium substructure. Gaps between panels are then filled with EPDM gaskets or special structural silicone in black color.
This system elegantly combines advanced engineering concepts with transparent, luxury appearance.
Structural facade features double and triple glazing options that achieve exceptional thermal performance up to Uf=0,8 W/m2K. Advanced fixing system of structural glazing allows for implementation of warm-edge glass spacer to further enhance thermal performance. Any suitable material with thickness from 2mm to 56mm can be used instead of glass - Alubond composite panels, sheet metal and similar.
COMBINED FACADE
The combined facade system offers visual appearance where the horizontal cover caps are emphasized and verticals are in structural type of glazing without cover caps. Combination of structural and continual facade systems offers a wide range of different designer options for various facade concepts.
With supported double and triple glazing panels, this facade systems can be used in all segments of modern architecture and construction, especially on projects where good thermal performance and high energy efficiency are required.

ALUMINIK CS55 - ТЕХНИЧЕСКОЕ ОПИСАНИЕ -

Система профилей ALUMINIK CS55 - группа алюминиевых профилей, проектированных для изготовления алюминиевых остекленных фасадов, как и застекленных крыш для фонарей с минимальным наклоном от 10%. Основная концепция фасада - первичная алюминиевая конструкция, которая состоит из вертикальных и горизонтальных профилей шириной 55 мм и глубиной от 50 до 150 мм. Заполнение образованных полей может быть стеклянное или панельное.
По перспективе, то есть системы фиксации заполнения, выделяются три подсистемы:
• Непрерывная - с видимыми нажимными профилями
• Структурная - без видимых нажимных профилей
• Комбинированная - в сочетание видимых и структурных видов
Профили системы ALUMINIK CS55 изготовляются способом экструзии в производственных цехах "Техномаркета". В качестве сырья для изготовления профилей используются алюминиевые сплавы по стандарту AA 6063 и 6060 (DIN стандарт AlMgSiO.5).
Система имеет встроенный термический разрыв. Термический разрыв достигается заполнением с помощью губковых профилейот ПЭНП (LDPE), а также и полиамидными полосками PA 6.6 с 25% стекловолокна.
Состав и механические свойства полиамидных полос сертифицирована. Сила сдвига внешнего и внутреннего алюминиевого профиля, которые соединяет полиамидная полоска - контролируемая. Эта конструкция обеспечивает, отличные теплоизоляционные свойства.
Фасады ALUMINIK CS55 имеют интегрированные системы для вентиляции и дренажа, что исключает возможность перегрева фасада в летние месяцы, а также проникновение атмосферной воды в здание.
Уплотнение между рамой и створкой обеспечивается EPDM уплотнителями, которые устойчивы к старению и УФ-излучению.
Поверхностная обработка профилей может быть анодное окисление (анодирование), а минимальная толщина окислительного слоя 15µm. Другой способ обработки поверхности профиля - электростатическая пульверизация (пластифицирование), толщина слоя до 70 µm Поверхностная обработка внутренних и внешних частей профилей может быть разного цвета.
НЕПРЕРЫВНАЯ ФАСАДА
из группы профилей системы ALUMINIK CS55, предназначена для изготовления алюминиевых остекленных фасадов, как и застекленных крыш для фонарей на крышах с минимальный наклоном от 10%.
Система непрерывной алюминиевой остекленной фасады характеризуется четко выраженными горизонтальными и вертикальными профилями с внешней стороны фасадов. Видимые профили - это нажимные и закрывающие заглушки, которыми фиксируются стеклянные заполнения за первичную алюминиевую конструкцию фасада, состоящую из алюминиевых вертикальных и горизонтальных профилей.
Первичная конструкция имеет ширину 55 мм, а глубина может быть минимум от 50 мм до 150 мм в зависимости от требуемого статического момента инерции соответственно моменту сопротивления. Система имеет и определенные алюминиевые профили для увеличения момента инерции, которыми может быть достигнута Ix> 1100 cm⁴ для преодоления и самых больших растров, а без введения вторичной стальной конструкции.
Алюминиевая конструкция фасады крепится к конструкции здания, предназначенными алюминиевыми или стальными якорями.
Эта система обеспечивает большие возможности комбинирования различных форм заглушек для достижения уникальных эффектов в окончательном виде обьекта. Заглушки могут быть прямоугольные, овальные, акцентированные или полуструктурного вида.
Непрерывная фасада дает возможность использования двухслойных и трехслойных стеклопакетов, с которыми достигаются исключительно хорошие термические характеристики, до исключительных Uf = 0,6 Вт/м2К. Как заполнения могут быть и различные другие материалы, такие как Alubond, листовое железо или подобные. Толщина заполнения варьируется от 2 мм до 60 мм.
Открывающие элементы - встроены структурные крылья с открытием вокруг верхней горизонтальной оси или параллельно плоскости фасада, чтобы избежать видимое позиционирование открывающих створок относительно на фиксированные поля. Также можно интегрировать классические наклонно- поворотные окна , балконные двери или входные двери как и автоматические раздвижные или раздвижные распашные двери.
Парапетные заполнения осуществляются одинарными вентилируемыми заполнениями, с добавлением специальных профилей для монтажа теплоизоляционных заполнений самых разнообразных типов. Толщина теплоизоляционного заполнения составляет от 50 мм до 180 мм.

СТРУКТУРНАЯ ФАСАДА
Система структурной алюминиевойостекленной фасады, характеризуется минималистическим видом, стеклянные видимые поверхности фасада, без применения внешних профилей для крепления стеклянного заполнения. Стеклянные панели крепятся на несущую фасадную вертикальную и горизонтальную алюминиевую конструкцию, полностью закрытыми монтажными элементами. Пазы между стеклами дополнительно заполняются резиновыми уплотнителями или специальным структурным силиконовым герметиком черного цвета.
Таким образом, эффективно сочетаются технические решения фасадных систем последнего поколения, с прозрачным, роскошный видом, который предлагает этот тип остекления фасады.
Структурная фасада дает возможность использования двухслойных и трехслойных стеклопакетов, с которыми достигаются исключительно хорошие термические характеристики, до исключительных Uf = 0,8 Вт/м2К Улучшенная система крепления структурных стекол, позволяет использовать warm-edge полоски в стекле, чтобы максимально улучшить теплотехнические характеристики фасада. Как заполнители могут быть использованны и различные другие материалы, такие как Alubond, листовое железо или подобные. Толщина заполнения варьируется до 56 мм.
КОМБИНИРОВАННЫЕ ФАСАДЫ
Система комбинированной алюминиевой остекленной фасады характеризуется выраженными горизонтальными профилями, заглушками на внешней стороне фасады, в то время как по вертикальном направлении эти профили отсутствуют, и применяется структурный способ закрепления стекла за первичную конструкцию. Комбинация структурной и непрерывной системы предлагает широкий выбор возможностей для реализации различных дизайнерских проектов, чтобы подчеркнуть предварительно выделенные линии и направления на фасадах.
В варианте двухслойного и трехслойного стеклянного заполнения, комбинированная фасада используется во всех сегментах современной архитектуры, особенно в тех случаях, где нужны специальные требования в области энергоэффективности и тепловых характеристик всей системы.

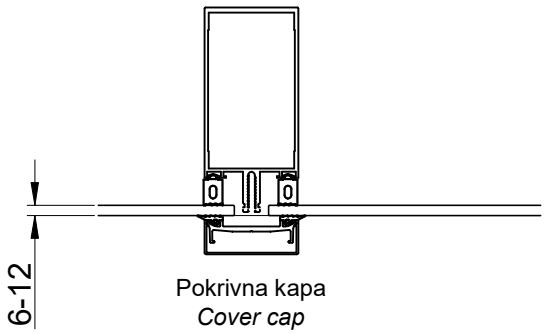
Uputstvo
Manual
Руководство

ALUMINIK CS55

Kontinualna fasada
Continual facade
Непрерывный фасад

1

Jednoslojno ostakljenje
Single glazing
Однослойный стекло

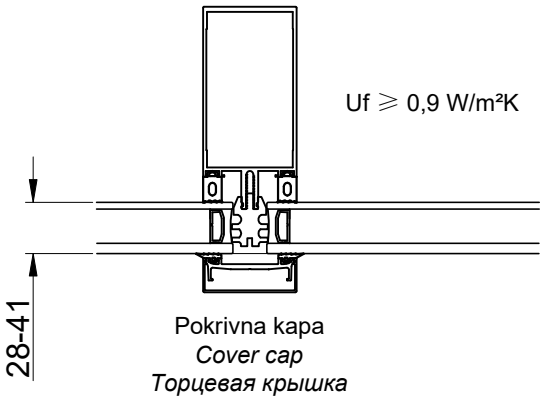


Pokrivna kapa
Cover cap
Торцевая крышка

Kontinualna fasada
Continual facade
Непрерывный фасад

2

Dvoslojno ostakljenje
Double glazing
Двухкамерный стеклопакет

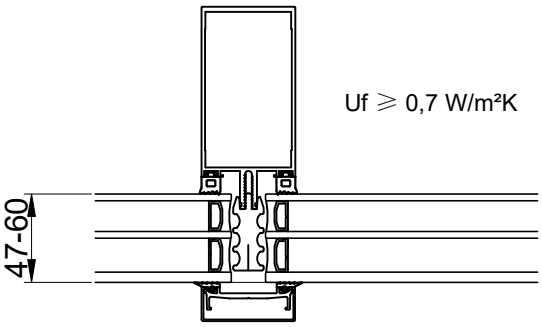


Pokrivna kapa
Cover cap
Торцевая крышка

Kontinualna fasada
Continual facade
Непрерывный фасад

3

Troslojno ostakljenje
Triple glazing
Трокамерный стеклопакет

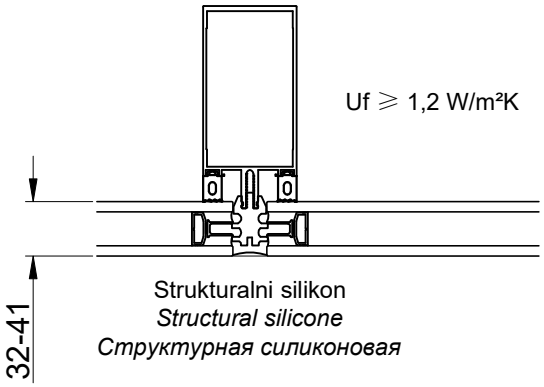


Pokrivna kapa
Cover cap
Торцевая крышка

Strukturalna fasada
Structural facade
Структурная фасад

4

Dvoslojno ostakljenje
Double glazing
Двухкамерный стеклопакет

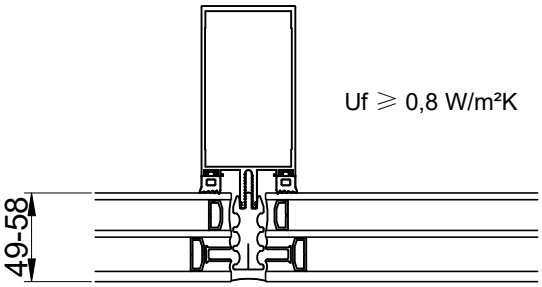


Strukturalni silikon
Structural silicone
Структурная силиконовая

Strukturalna fasada
Structural facade
Структурная фасад

5

Troslojno ostakljenje
Triple glazing
Трокамерный стеклопакет



Strukturalni silikon
Structural silicone
Структурная силиконовая

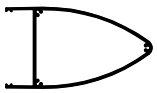
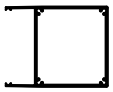
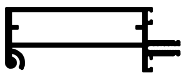
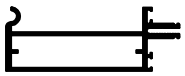
Naš brend
Our brend
Наша марка

Aluminijumski profil
Aluminium profile
Алюминиевый профиль

Sadržaj
Content
Содержание

ALUMINIK CS55

Profili
Profiles
Профили

	Oznaka Mark Марк kg/m`	Opis Description Описание	x cm⁴ y Ix Iy	x cm³ y Wx Wy
	TMF15 0,931	Kapa Cover Cap Декоративних накладок	14,05 30,43	5,70 6,04
	TMF17 0,216	Kapa Cover Cap Декоративних накладок		
	TMF18 0,215	Dodatni profil Additional profile Дополнительных профилей		
	TMF19 1,928	Stub / Prečka Mullion / Transom Средник / Транец	87,04 35,15	17,98 12,78
	TMF20 0,963	Kapa Cover Cap Декоративних накладок	17,65 17,42	6,4 4,3
	TMF21 2,138	Stub / Prečka Mullion / Transom Средник / Транец	123,45 34,86	20,77 12,68
	TMF23 2,452	Stub Mullion Средник	143,66 14,55	22,10 5,94
	TMF24 2,320	Stub Mullion Средник	133,34 13,41	21,44 5,28
		2023.CS8	2.2	R1:4

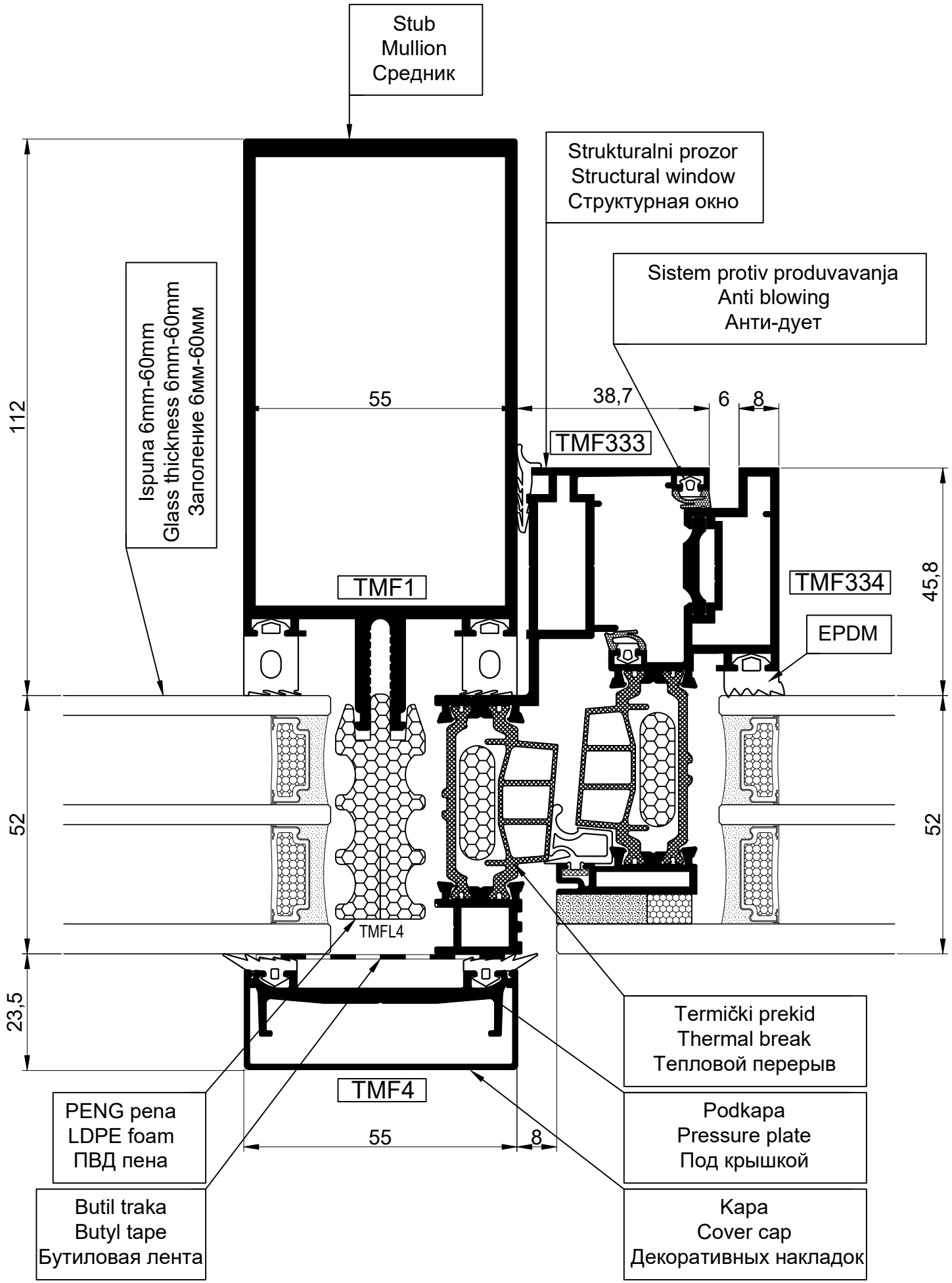
Moment inercije
Moment of inertia
Момент инерции

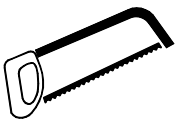
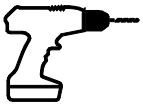
Otporni moment
Moment of resistance
Момент сопротивления

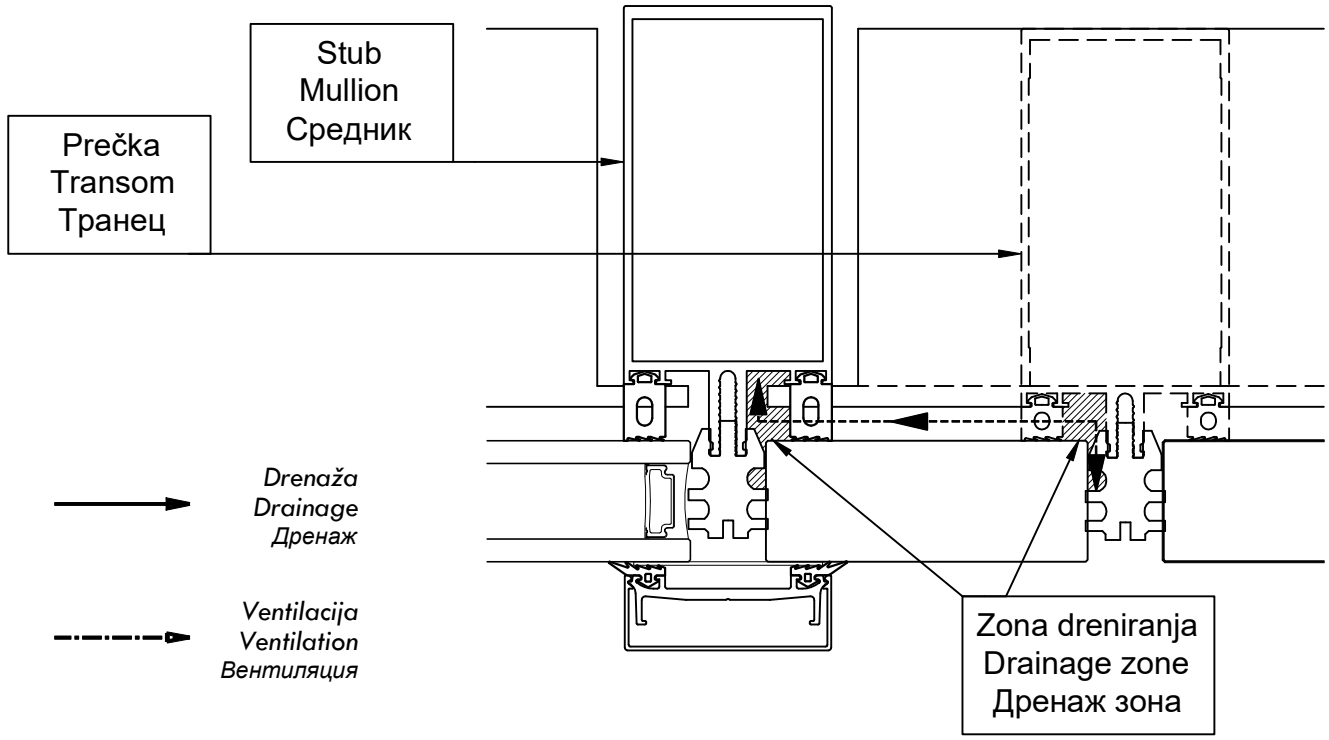
Numeracija strane
Page number
Номер страницы

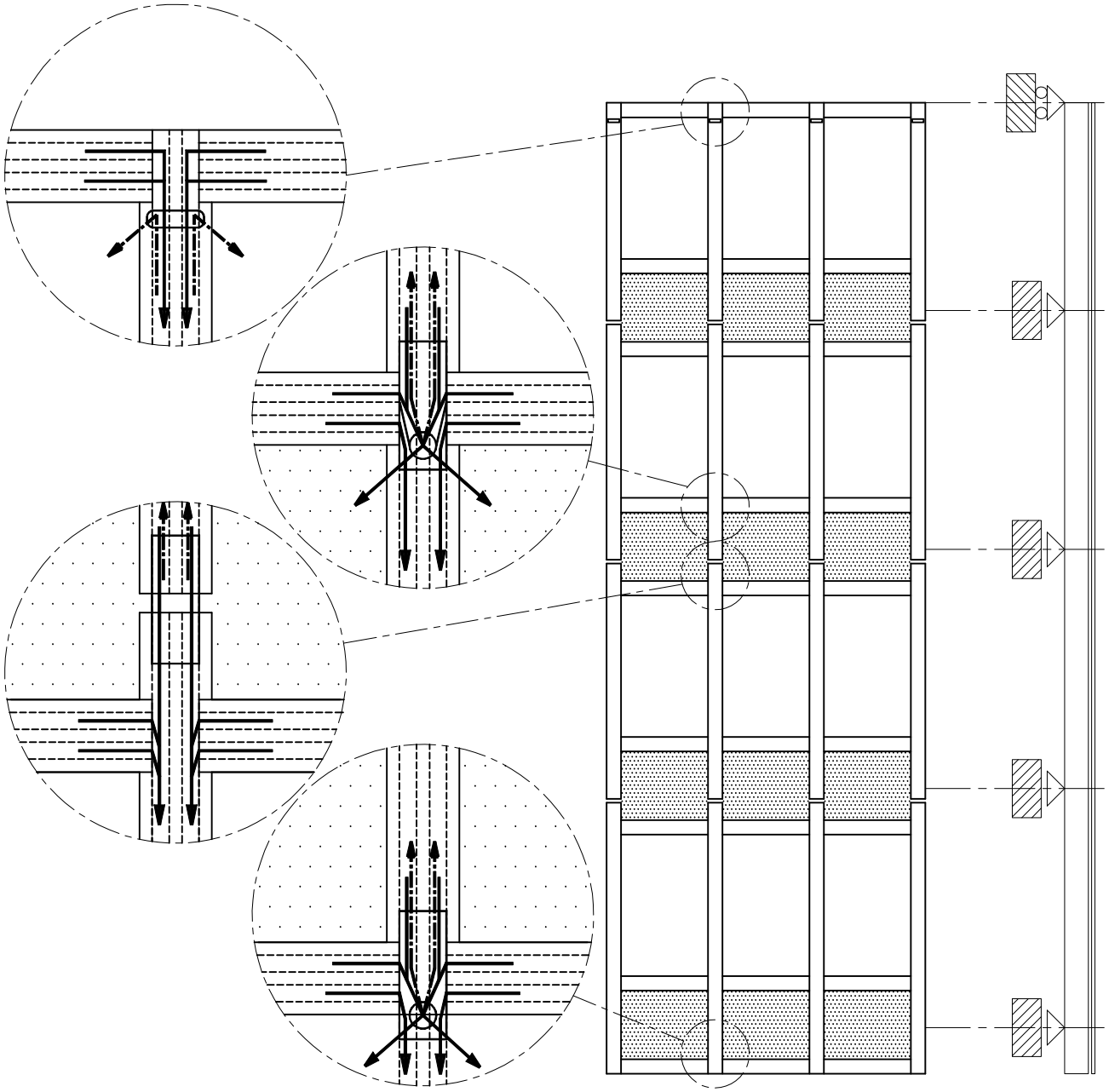
Revizija kataloga
Revision of the catalog
Пересмотр каталога

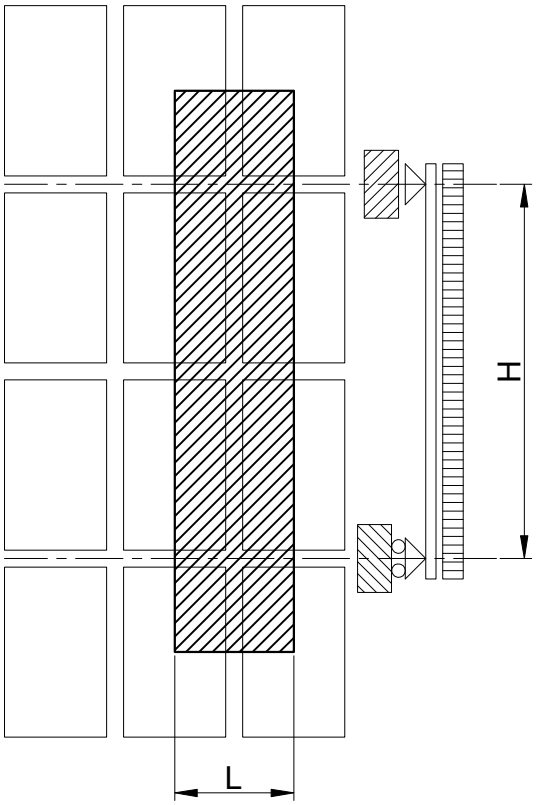
Razmera
Drawing scale
Масштабная линейка


Stub
Mullion
Средник
Strukturalni prozor
Structural window
Структурная окно
Sistem protiv produvavanja
Anti blowing
Анти-дует
Ispuna 6mm-60mm
Glass thickness 6mm-60mm
Заполение 6мм-60мм
112
55
38,7
6
8
TMF333
TMF1
TMF334
45,8
EPDM
52
52
TMFL4
23,5
Termički prekid
Thermal break
Тепловой перерыв
TMF4
PENG pena
LDPE foam
ПВД пена
Podkapa
Pressure plate
Под крышкой
55
8
Butil traka
Butyl tape
Бутиловая лента
Kapa
Cover cap
Декоративных накладок

	Pozicija Position Положение
	Iseći Cut Резать
	Izbušiti Drill Сверлить
	Zategnuti Tighten Затянуть
	Ušrafiti Screw in Ввернуть
	Lepiti Glue Клеить
	Zaptivna masa Sealant Герметик
	Okrenuti Rotate Вращать
	Opterećenje vetrom Wind load Ветровая нагрузка
	Čistač Cleaner Средство для чистки


Stub
Mullion
Средник
Prečka
Transom
Транец
Drenaža
Drainage
Дренаж
Ventilacija
Ventilation
Вентиляция
Zona dreniranja
Drainage zone
Дренаж зона





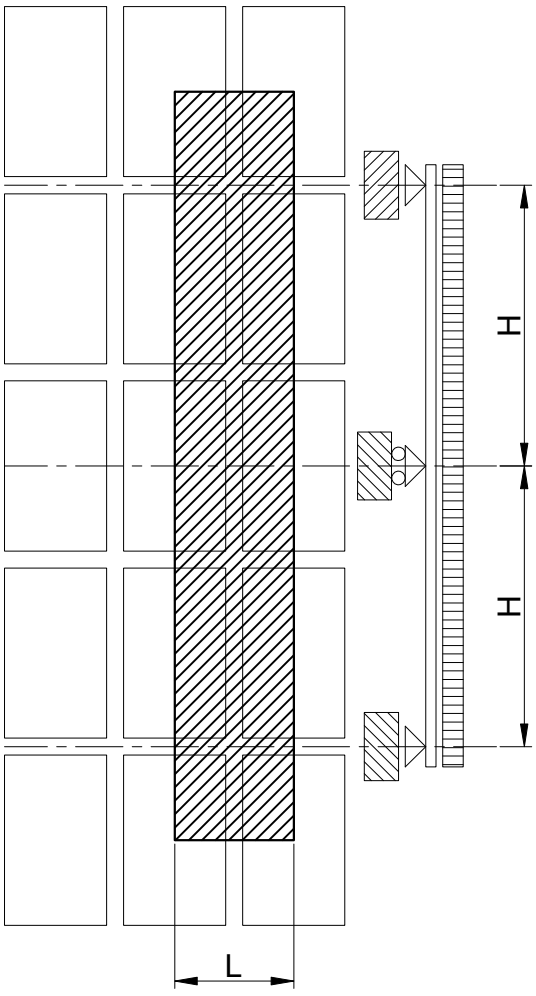
EN 13116 : 2011 - 11
f doz = L/200 max. 15mm

Montaža sa osloncem u dve tačke
Two points support
Монтаж в две точки

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

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

H	VERTIKALNI MEĐUOSOVINSKI RASPON *Axial spacing - vertical* *Осевое расстояние - вертикальное*	cm
L	HORIZONTALNI MEĐUOSOVINSKI RASPON *Axial spacing - horizontal* *Осевое расстояние - горизонтальное*	cm
q	OPTEREĆENJE *Loading* *Загрузка*	N/cm^2
E	MODUL ELASTIČNOSTI ALUMINIJUMA, *Aluminium modulus of elasticity* *Алюминий модуль упругости*	7000000 N/cm^2
I	MOMENT INERCIJE *Moment of inertia* *Момент инерции*	cm^4
W	OTPORNI MOMENT *Modulus of section* *Момент сопротивления сечения*	cm^3
f max	MAKSIMALNI UGIB *Max. deflection* *Максимум отклонение*	cm
σ max	MAKSIMALNI NAPON *Max. pressure* *Максимум давление*	N/cm^2
f doz.	MAKSIMALNI DOZVOLJENI UGIB *Max. alowed deflection* *Максимум допускаемые отклонения*	cm
σ doz.	MAKSIMALNI DOZVOLJENI NAPON *Max. alowed pressure* *Максимум допускаемые давление*	N/cm^2



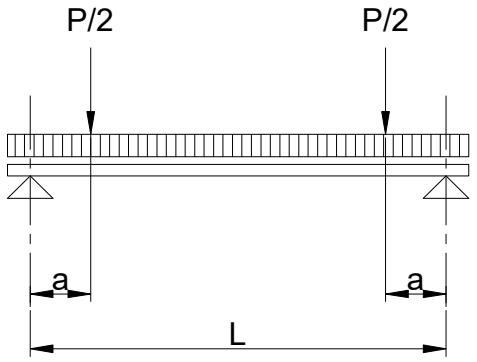
Montaža sa osloncem u tri tačke
Three points support
Монтаж в трех точках

$$f\ max = \frac{2}{369} \times \frac{qLH^4}{EJ} \leq f\ doz.$$

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

EN 13116 : 2011 - 11
f doz = L/200 max. 15mm

Montaža sa osloncem u dve tačke
Two points support
Монтаж в две точки



$$f\ max = \frac{Pa}{24EI} \times (3L^2 - 4a^2) \leq f\ doz.$$

$$\sigma\ max = \frac{Pa}{W} \leq \sigma\ doz.$$

a -usvojeno 150mm (pozicija PA pakne za oslonac stakla)

a- adopted 150mm (position of PA strip for panel)

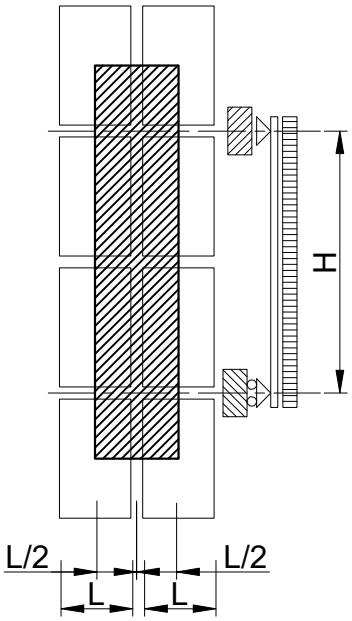
a- согласие на 150мм (Расстояние ПА держатель)

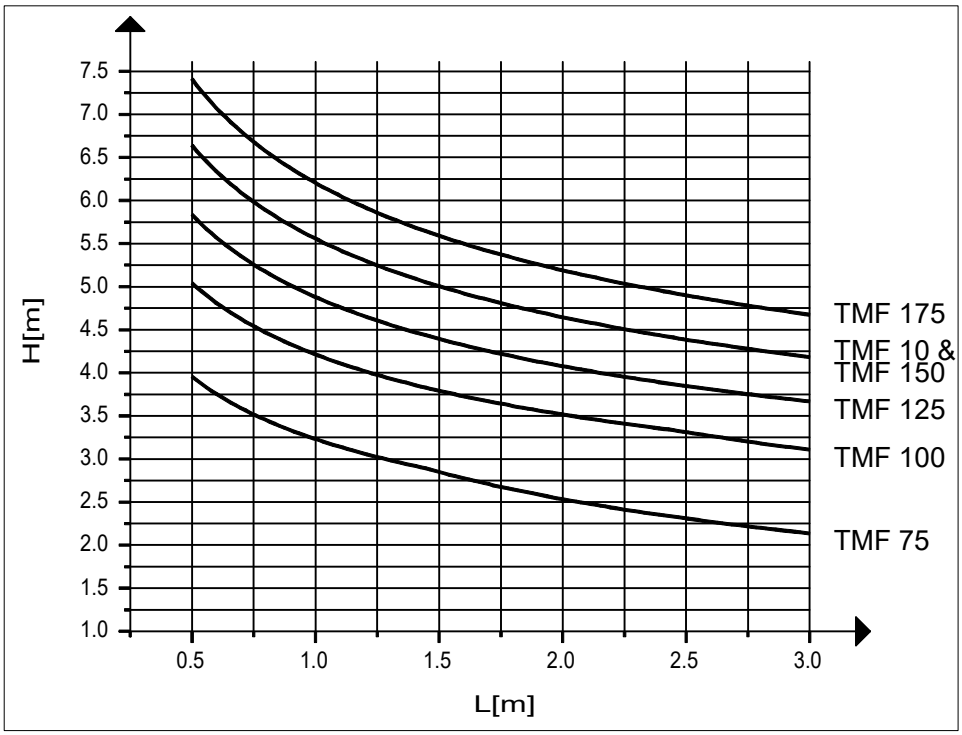
a	DISTANCA POZICIJE PA PAKNE *Posicion of PA strip* *Расстояние ПА держателя*	cm
L	RAZMAK OSLONACA *Support distance* *Расстояние между опорами*	cm
P	MASA ISPUNE *Panel mass* *Вес заполнения*	N
E	MODUL ELASTIČNOSTI ALUMINIJUMA *Aluminium modulus of elasticity* *Алюминий модуль упругости*	7000000 N/cm^2
I	MOMENT INERCIJE *Moment of inertia* *Момент инерции*	cm^4
W	OTPORNI MOMENT *Modulus of section* *Момент сопротивления сечения*	cm^3
f max	MAKSIMALNI UGIB *Max. deflection* *Максимум отклонение*	cm
σ max	MAKSIMALAN NAPON *Max. pressure* *Максимум давление*	N/cm^2
f doz.	MAKSIMALNI DOZVOLJENI UGIB *Max. alowed deflection* *Максимум допускаемые отклонения*	cm
σ doz.	MAKSIMALAN DOZVOLJENI NAPON *Max. alowed pressure* *Максимум допускаемые давление*	N/cm^2

Montaža sa osloncem u dve tačke
Two points support
Поддержка в две точки

pritisak vetra / *wind pressure* /
давление ветра
q= 0,6 kN/m²

EN 13116 : 2011 - 11
f doz = L/200 max. 15mm

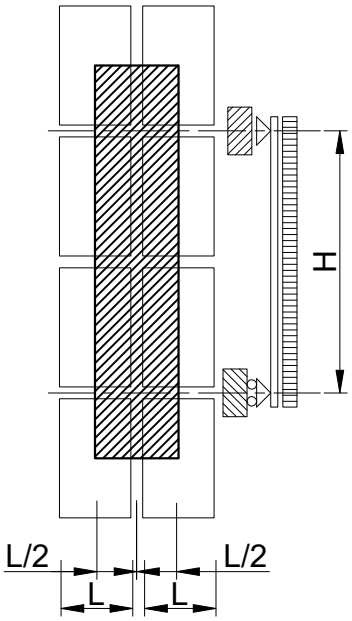


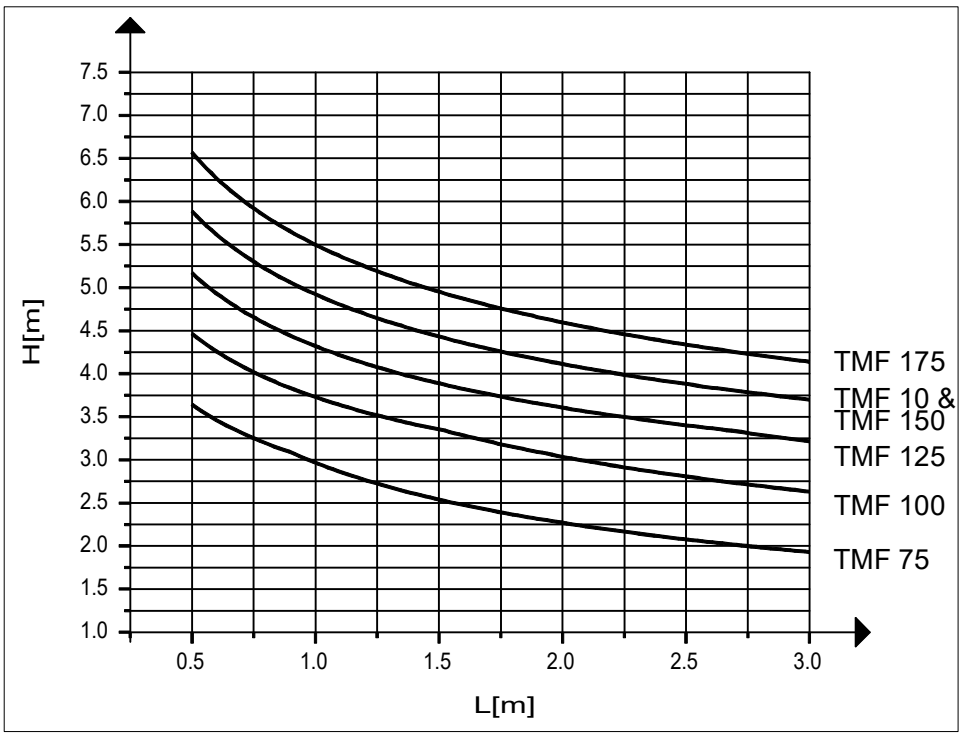


Montaža sa osloncem u dve tačke
Two points support
Поддержка в две точки

pritisak vetra / *wind pressure* /
давление ветра
q= 0,96 kN/m²

EN 13116 : 2011 - 11
f doz = L/200 max. 15mm

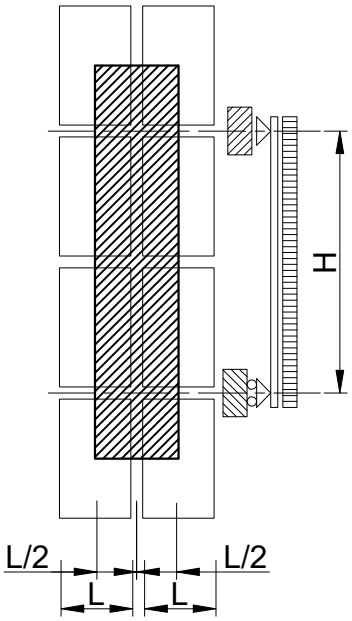


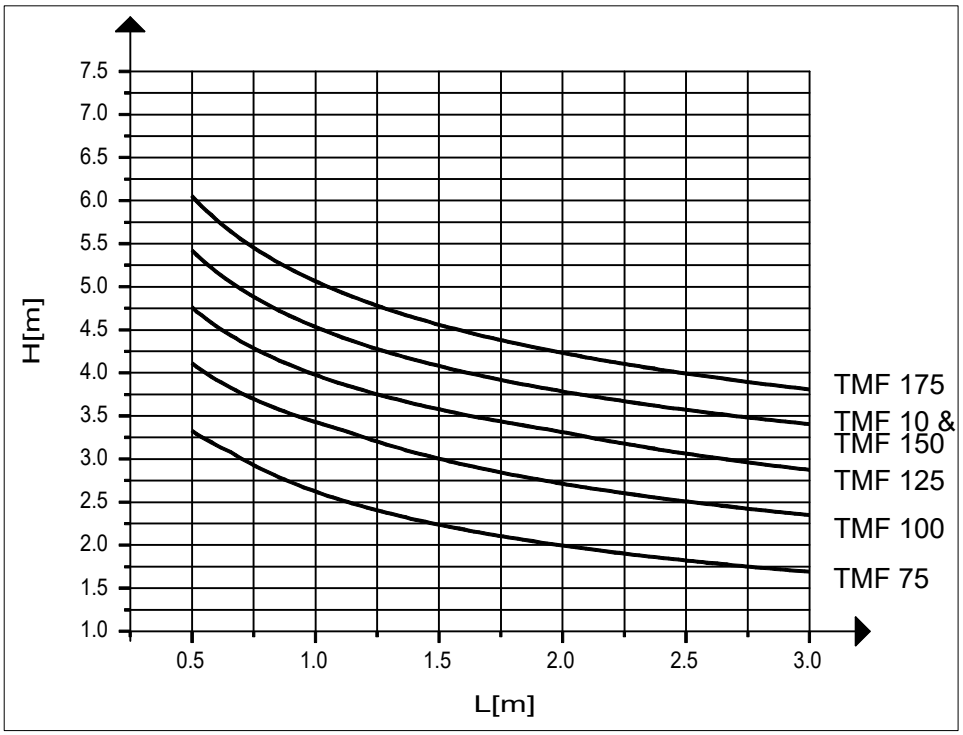


Montaža sa osloncem u dve tačke
Two points support
Поддержка в две точки

pritisak vetra / *wind pressure* /
давление ветра
q= 1,32 kN/m²

EN 13116 : 2011 - 11
f doz = L/200 max. 15mm

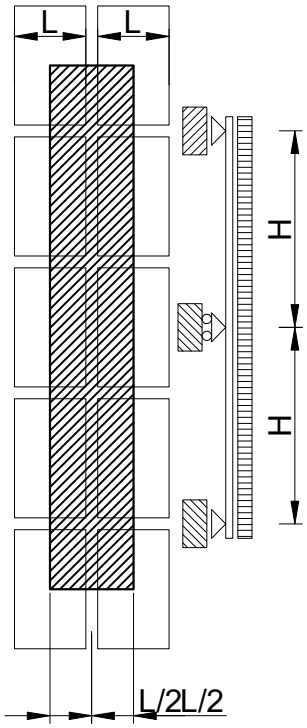


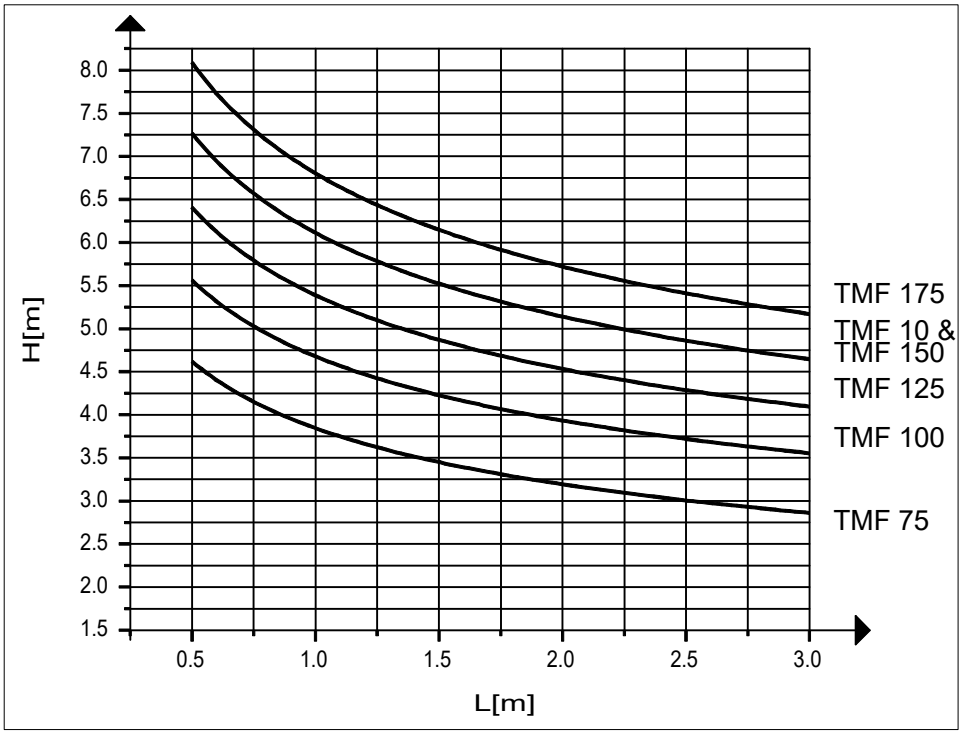


Montaža sa osloncem u tri tačke
Three points support
Поддержка в трех точках

pritisak vetra / *wind pressure* /
давление ветра
q= 0,60 kN/m²

EN 13116 : 2011 - 11
f doz = L/200 max. 15mm

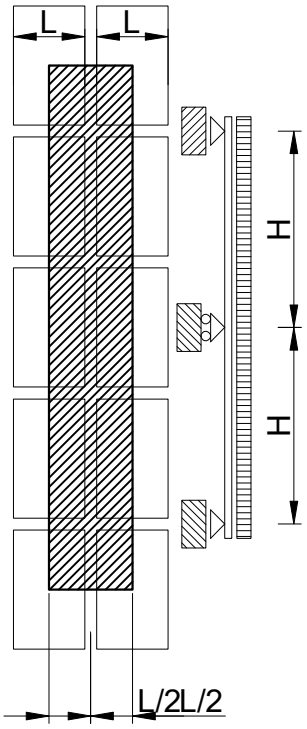


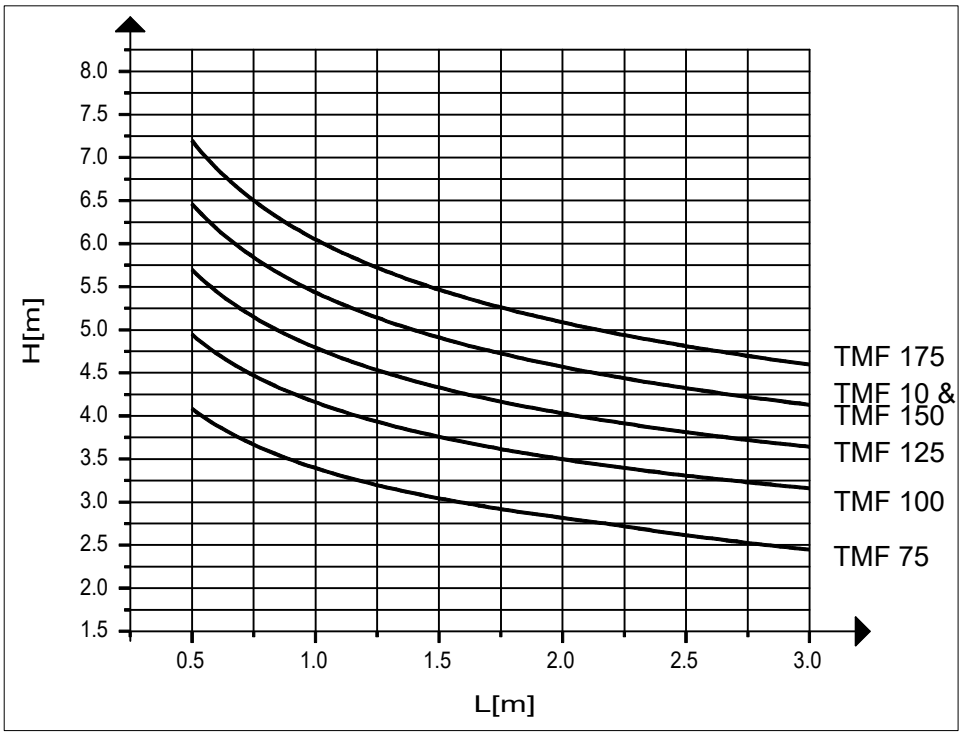


Montaža sa osloncem u tri tačke
Three points support
Поддержка в трех точках

pritisak vetra / *wind pressure* /
давление ветра
q= 0,96 kN/m²

EN 13116 : 2011 - 11
f doz = L/200 max. 15mm

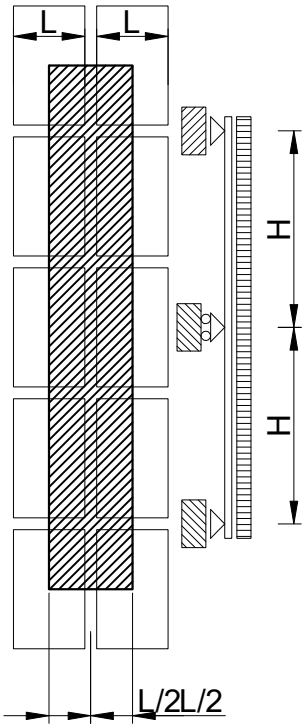


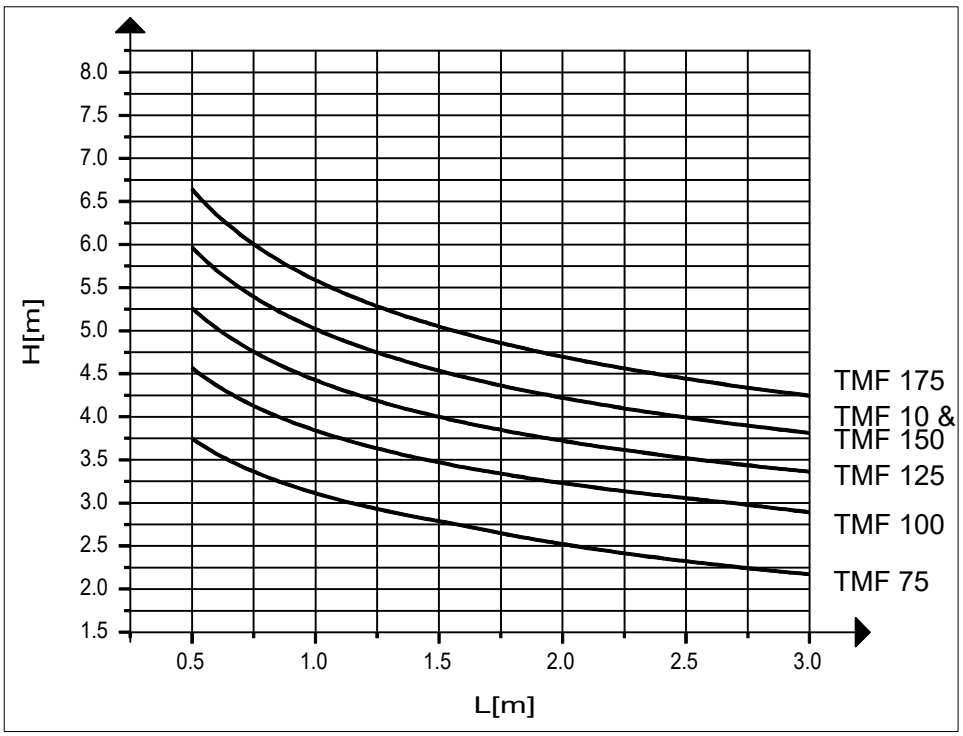


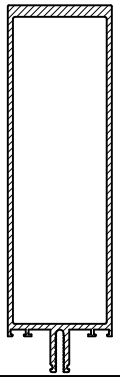
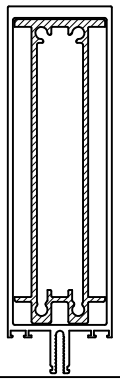
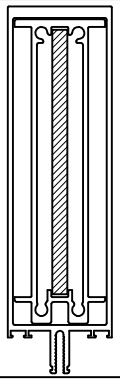
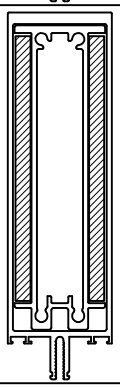
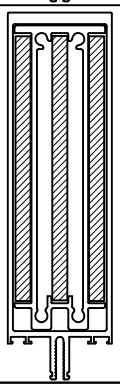
Montaža sa osloncem u tri tačke
Three points support
Поддержка в трех точках

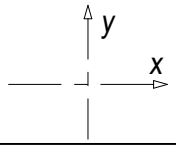
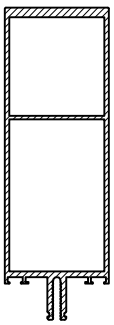
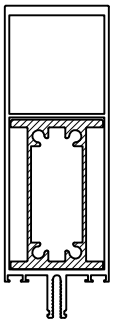
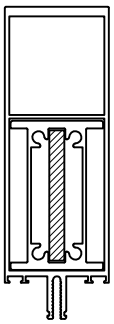
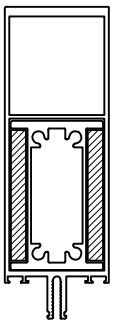
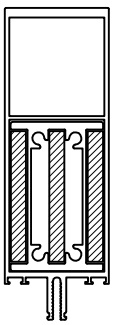
pritisak vetra / *wind pressure* /
давление ветра
q= 1,32 kN/m²

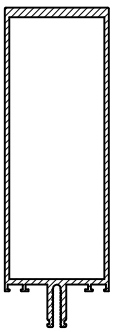
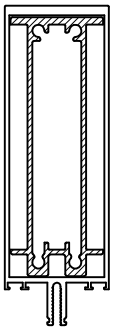
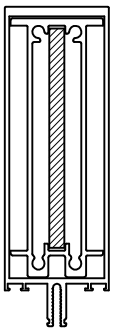
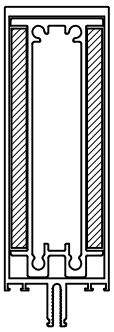
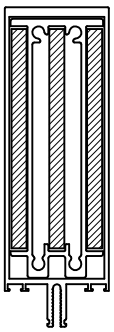
EN 13116 : 2011 - 11
f doz = L/200 max. 15mm

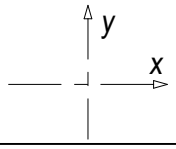
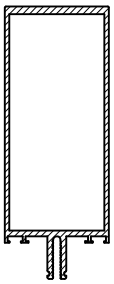
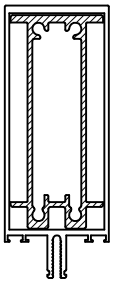
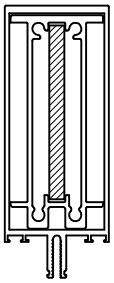
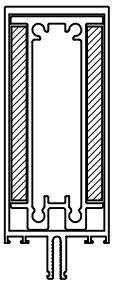
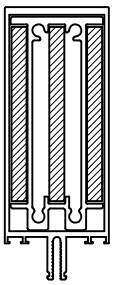


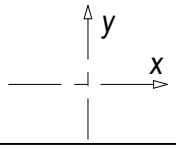
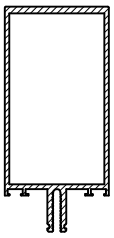
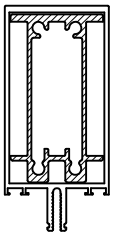
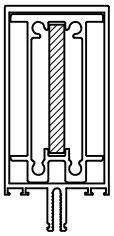
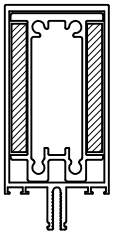
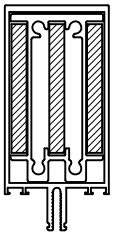


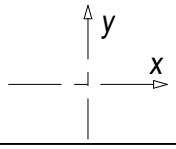
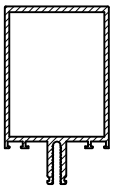
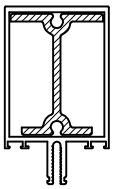
y, x	*Moment inercije za aluminijski profil* *Moment of inertia for aluminum profile* *Момент инерции для алюминия профиля*	*Moment inercije za ojačanje* *Moment of inertia for reinforcement* *Момент инерции для армирования*
	TMF175 Ix = 678,33 cm^4 Iy = 74,07 cm^4	
	TMF175 + TMF161 Ix = 1094,47 cm^4 Iy = 96,62 cm^4	
	TMF175 + TMF161 Ix = 1094,47 cm^4 Iy = 96,62 cm^4	1x 8 x 140 Ix = 184,45 cm^4 + Iy = 0,06 cm^4
	TMF175 + TMF161 Ix = 1094,47 cm^4 Iy = 96,62 cm^4	2x 8 x 140 Ix = 368,23 cm^4 + Iy = 86,37 cm^4
	TMF175 + TMF161 Ix = 1094,47 cm^4 Iy = 96,62 cm^4	3x 8 x 140 Ix = 551,71 cm^4 + Iy = 86,97 cm^4

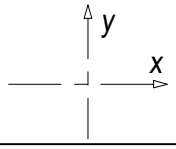
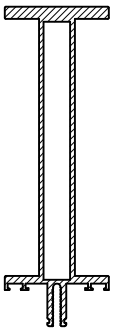
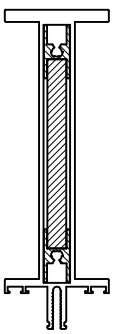
	*Moment inercije za aluminijski profil* *Moment of inertia for aluminum profile* *Момент инерции для алюминия профиля*	*Moment inercije za ojačanje* *Moment of inertia for reinforcement* *Момент инерции для армирования*
	TMF10 Ix = 430,97 cm^4 Iy = 58,75 cm^4	
	TMF10 + TMF43 Ix = 519,97 cm^4 Iy = 72,47 cm^4	
	TMF10 + TMF43 Ix = 519,97 cm^4 Iy = 72,47 cm^4	1x 8 x 70 Ix = 32,20 cm^4 + Iy = 0,29 cm^4
	TMF10 + TMF43 Ix = 519,97 cm^4 Iy = 72,47 cm^4	2x 8 x 70 Ix = 60,88 cm^4 + Iy = 46,50 cm^4
	TMF10 + TMF43 Ix = 519,97 cm^4 Iy = 72,47 cm^4	3x 8 x 70 Ix = 87,59 cm^4 + Iy = 46,79 cm^4

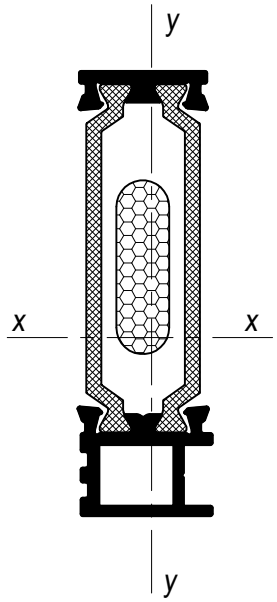
y x	*Moment inercije za aluminijski profil* *Moment of inertia for aluminum profile* *Момент инерции для алюминия профиля*	*Moment inercije za ojačanje* *Moment of inertia for reinforcement* *Момент инерции для армирования*
	TMF150 Ix = 428,81 cm^4 Iy = 56,83 cm^4	
	TMF150 + TMF137 Ix = 708,71 cm^4 Iy = 77,44 cm^4	
	TMF150 + TMF137 Ix = 708,71 cm^4 Iy = 77,44 cm^4	1x 8 x 116 + Ix = 106,50 cm^4 Iy = 0,49 cm^4
	TMF150 + TMF137 Ix = 708,71 cm^4 Iy = 77,44 cm^4	2x 8 x 116 + Ix = 211,93 cm^4 Iy = 75,23 cm^4
	TMF150 + TMF137 Ix = 708,71 cm^4 Iy = 77,44 cm^4	3x 8 x 116 + Ix = 316,86 cm^4 Iy = 75,72 cm^4

	*Moment inercije za aluminijski profil* *Moment of inertia for aluminum profile* *Момент инерции для алюминия профиля*	*Moment inercije za ojačanje* *Moment of inertia for reinforcement* *Момент инерции для армирования*
	TMF125 Ix = 262,66 cm^4 Iy = 47,78 cm^4	
	TMF125 + TMF113 Ix = 438,75 cm^4 Iy = 65,94 cm^4	
	TMF125 + TMF113 Ix = 438,75 cm^4 Iy = 65,94 cm^4	1x 8 x 92 Ix = 55,11 cm^4 + Iy = 0,39 cm^4
	TMF125 + TMF113 Ix = 438,75 cm^4 Iy = 65,94 cm^4	2x 8 x 92 Ix = 108,89 cm^4 + Iy = 59,66 cm^4
	TMF125 + TMF113 Ix = 438,75 cm^4 Iy = 65,94 cm^4	3x 8 x 92 Ix = 162,03 cm^4 + Iy = 60,06 cm^4

	*Moment inercije za aluminijski profil* *Moment of inertia for aluminum profile* *Момент инерции для алюминия профиля*	*Moment inercije za ojačanje* *Moment of inertia for reinforcement* *Момент инерции для армирования*
	TMF100 Ix = 147,83 cm^4 Iy = 38,72 cm^4	
	TMF100 + TMF89 Ix = 243,85 cm^4 Iy = 53,30 cm^4	
	TMF100 + TMF89 Ix = 243,85 cm^4 Iy = 53,30 cm^4	1x 8 x 89 Ix = 23,34 cm^4 + Iy = 0,29 cm^4
	TMF100 + TMF89 Ix = 243,85 cm^4 Iy = 53,30 cm^4	2x 8 x 89 Ix = 45,75 cm^4 + Iy = 44,10 cm^4
	TMF100 + TMF89 Ix = 243,85 cm^4 Iy = 53,30 cm^4	3x 8 x 89 Ix = 67,70 cm^4 + Iy = 44,39 cm^4

	*Moment inercije za aluminijski profil* *Moment of inertia for aluminum profile* *Момент инерции для алюминия профиля*
	TMF75 Ix = 74,06 cm^4 Iy = 30,20 cm^4
	TMF75 + TM64 Ix = 115,01 cm^4 Iy = 36,00 cm^4

	*Moment inercije za aluminijski profil* *Moment of inertia for aluminum profile* *Момент инерции для алюминия профиля*
	TMF57 Ix = 494,18 cm^4 Iy = 20,67 cm^4
	TMF57 + U29P2 PK10100 Ix = 666,00 cm^4 Iy = 22,36 cm^4



Za profile sa termičkim prekidom

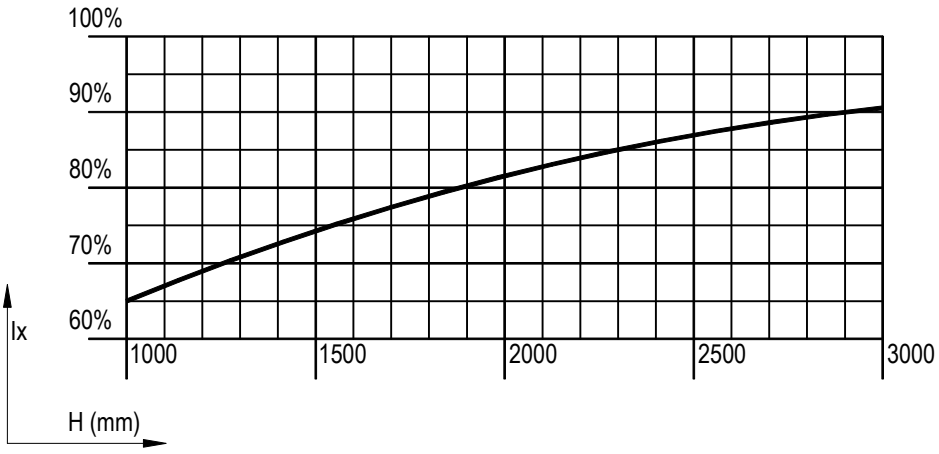
For thermal break profiles

Для профиля тепловой перерыв

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



Konstrukciju spojnice čine elementi od aluminijuma 6060T5 čije su karakteristike:
Joints consist of 6060T5 aluminium components and feature the following properties:
Суставы состоят из 6060T5 алюминиевых компонентов и имеют следующие свойства:

- Modul elastičnosti — $E=70000\ N/mm^2$
  Modulus of elasticity
  Модуль упругости

- Poasonov koeficijent — $\mu=0,3$
  Poisson's ratio
  Коэффициент Пуассона

- Napon na granici razvlačenja — $\delta_{V,0.2,al}=120\ N/mm^2$
  The voltage at yield
  Напряжение при растяжении

- Dopušteni napon (pritisak, savijanje, zatezanje) — $\delta_{dop,al}=80\ N/mm^2$
  Allowable voltage (pressure, bending, straining)
  Допустимое напряжение (давление, изгиб, напрягает)

- Dopušteni napon smicanja — $\tau_{dop,al}=46\ N/mm^2$
  Allowable shear stress
  Допустимая напряжение сдвига

Zavrtnjevi su klase čvrstoće 5.6 od nerđajućeg čelika čije su karakteristike:
The 5.6 strength class stainless steel bolts feature the following properties:
Болты из нержавеющей стали класса прочности 5.6 представлены следующие свойства:

- Modul elastičnosti — $E=200000\ N/mm^2$
  Modulus of elasticity
  Модуль упругости

- Poasonov koeficijent — $\mu=0,3$
  Poisson's ratio
  Коэффициент Пуассона

- Napon na granici razvlačenja — $\delta_{V,0.2}=210\ N/mm^2$
  The voltage at yield
  Напряжение при растяжении

- Čvrstoća na zatezanje — $\delta_u=500\ N/mm^2$
  Tensile strength
  Предел прочности

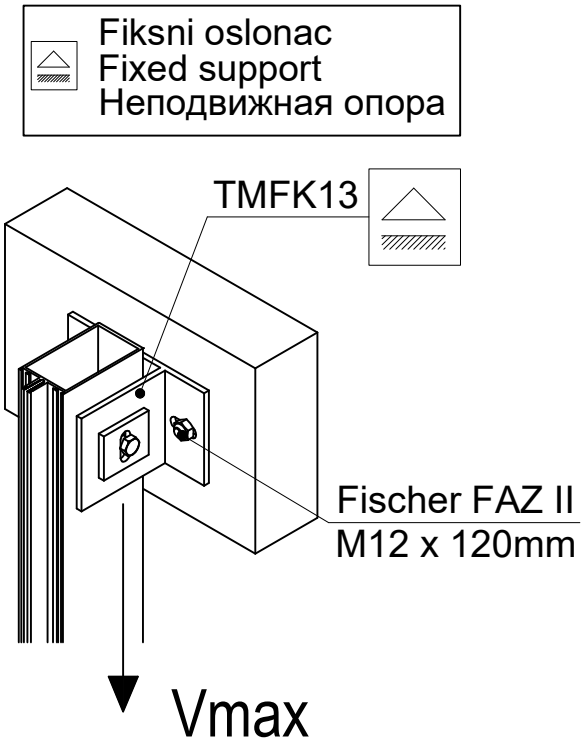
- Dopušteni napon pritiska po omotaču rupe — $\delta_{bdop}=240\ N/mm^2$
  Allowable compressive stress on the covering of the hole
  Допустимая нагрузка на сжатие покрытия отверстия

- Dopušteni napon smicanja zavrtnjeva — $\tau_{sdop}=175\ N/mm^2$
  Allowable shear stress in bolts
  Допустимое напряжение сдвига болты

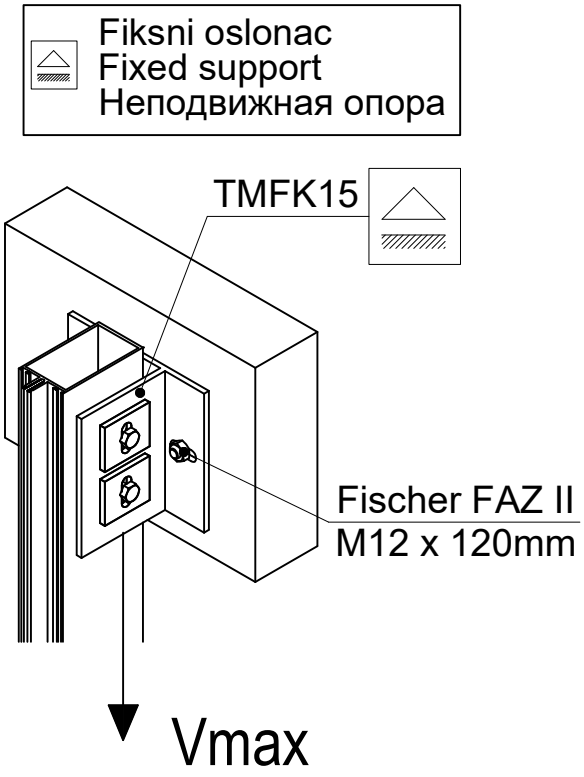
- Dopušteni napon zatezanja zavrtnjeva — $\delta_{zdop}=137,5\ N/mm^2$
  Allowable tensile strength of bolts
  Допустимый предел прочности при растяжении болтов

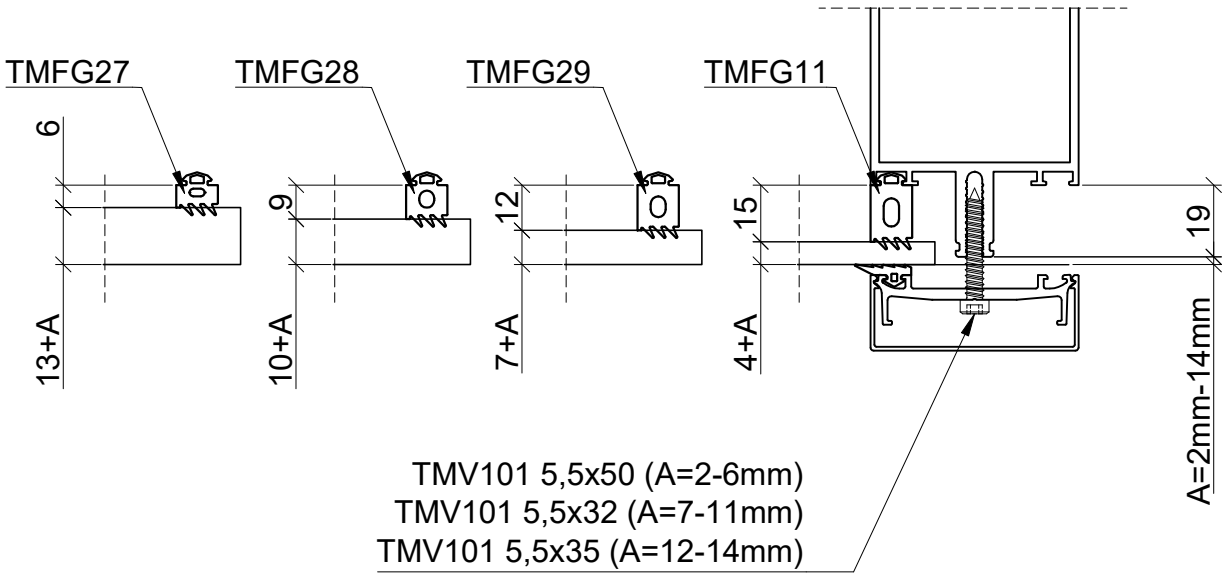
U tabeli je dat prikaz rezultata proračuna nosivosti fiksnih kotvi.
The table shows the result of a structural analysis of fixed anchors.
В таблице показаны результаты структурного анализа Якорь.

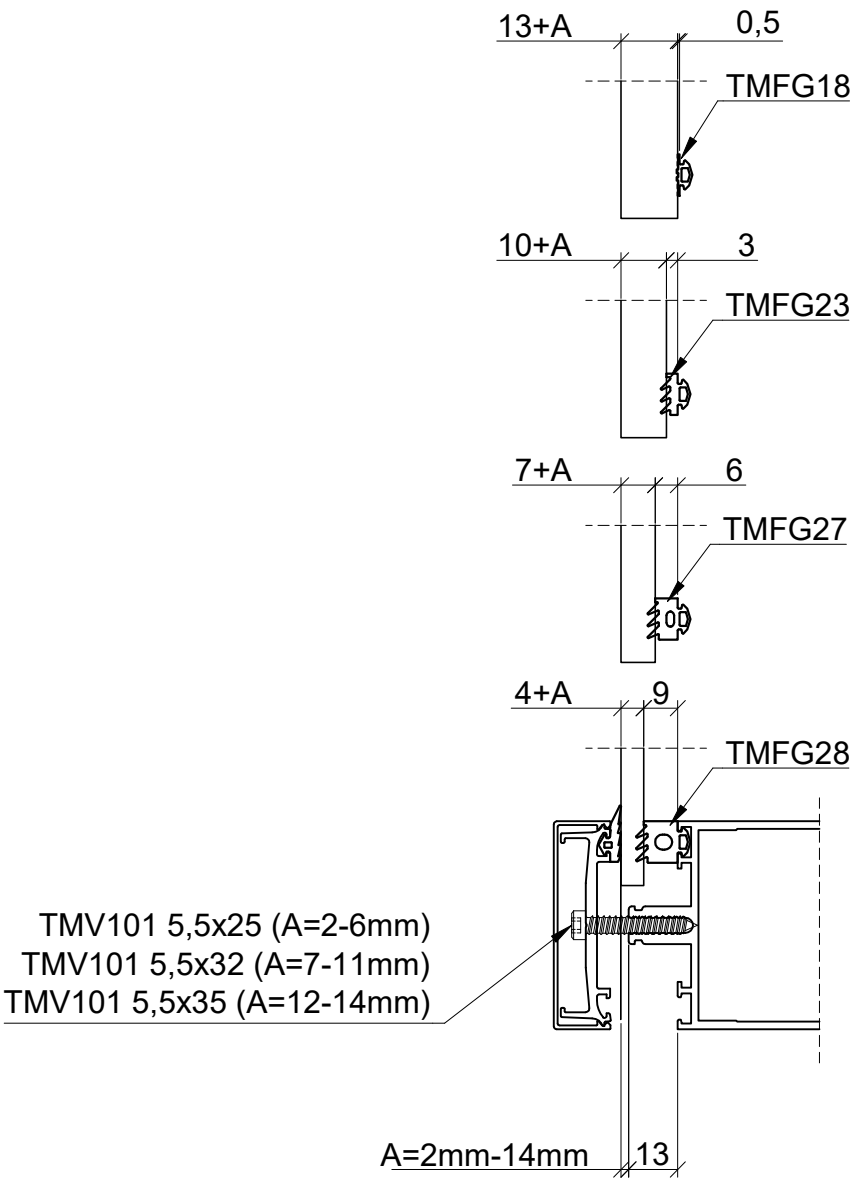
TIP SPOJNICE *Joint type* Тип соединения	MAKSIMALNA SILA U KOTVI *Maximum force in bracket* Максимальная сила в *Якорь*	
	Vmax (N)	Vmax (kg)
TMFK13	8000	800

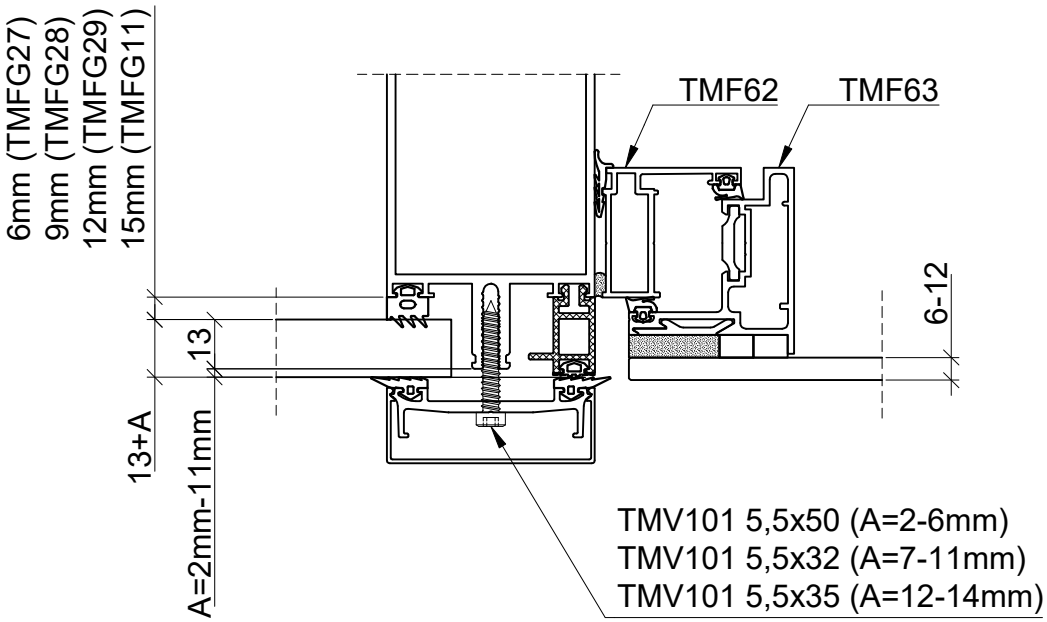


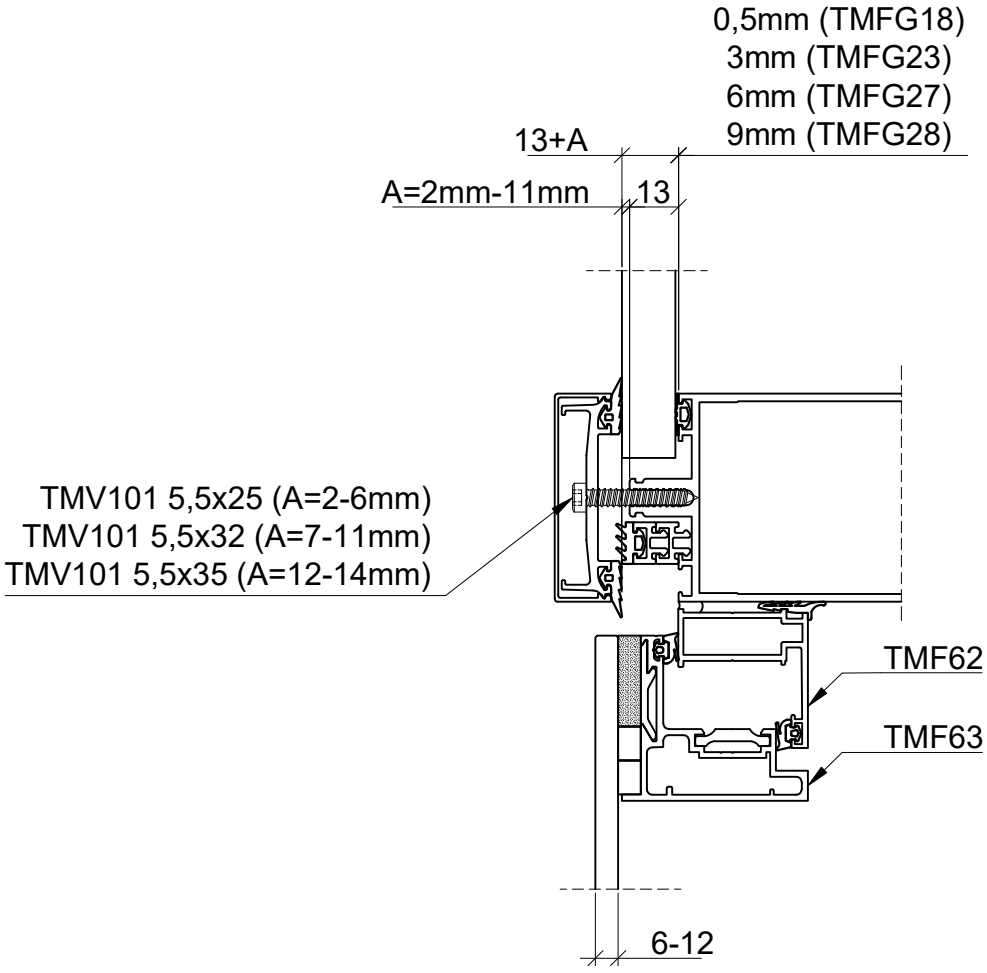
TIP SPOJNICE *Joint type* Тип соединения	MAKSIMALNA SILA U KOTVI *Maximum force in bracket* Максимальная сила в *Якорь*	
	Vmax (N)	Vmax (kg)
TMFK15	10000	1000

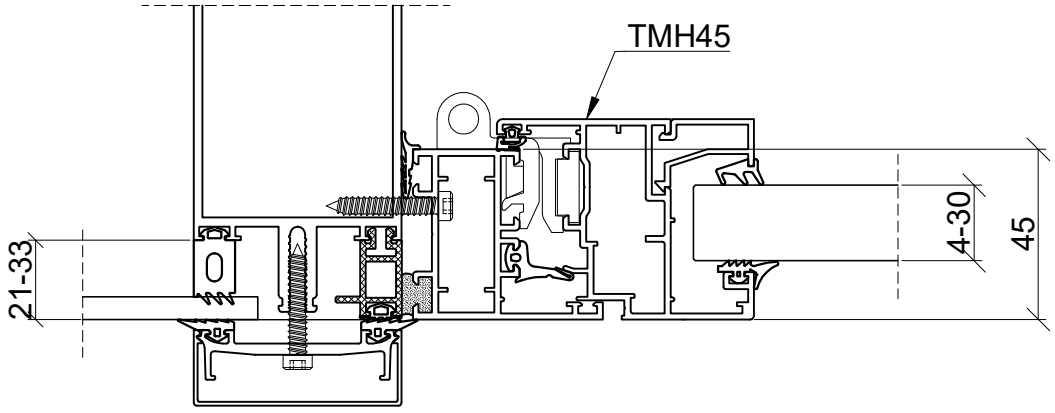


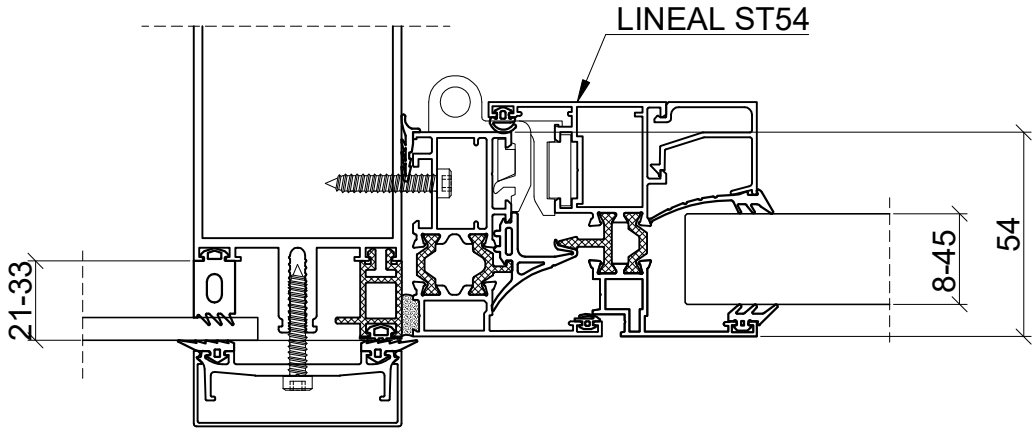

TMFG27
TMFG28
TMFG29
TMFG11
6
9
12
15
19
13+A
10+A
7+A
4+A
A=2mm-14mm
TMV101 5,5x50 (A=2-6mm)
TMV101 5,5x32 (A=7-11mm)
TMV101 5,5x35 (A=12-14mm)

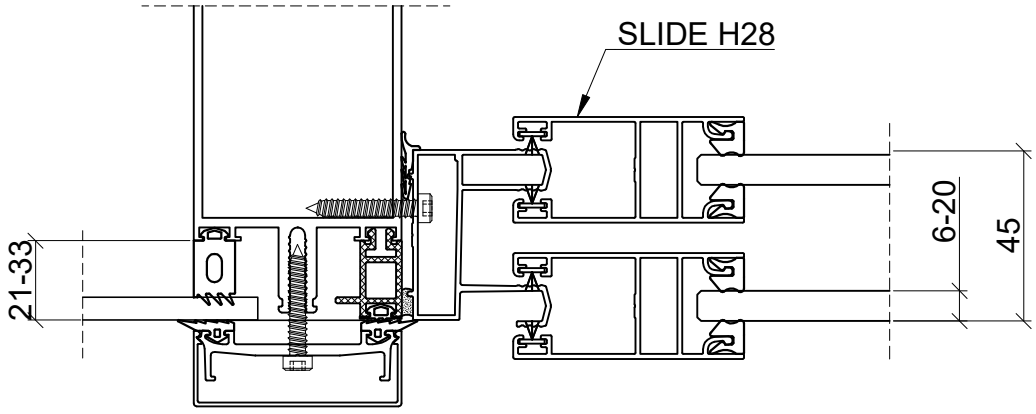

13+A
0,5
TMFG18
10+A
3
TMFG23
7+A
6
TMFG27
4+A
9
TMFG28
TMV101 5,5x25 (A=2-6mm)
TMV101 5,5x32 (A=7-11mm)
TMV101 5,5x35 (A=12-14mm)
A=2mm-14mm
13

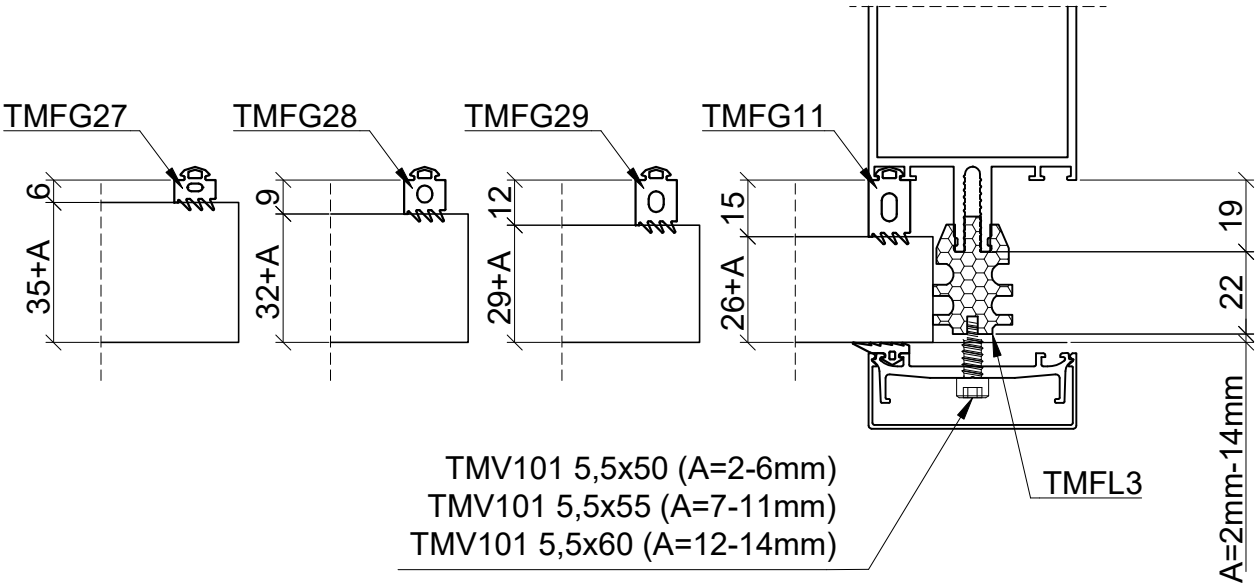

6mm (TMFG27)
9mm (TMFG28)
12mm (TMFG29)
15mm (TMFG11)
TMF62
TMF63
6-12
13
13+A
A=2mm-11mm
TMV101 5,5x50 (A=2-6mm)
TMV101 5,5x32 (A=7-11mm)
TMV101 5,5x35 (A=12-14mm)

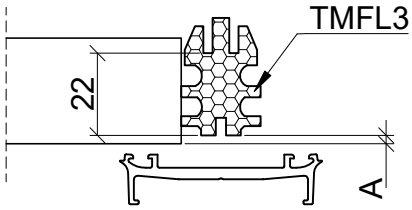

0,5mm (TMFG18)
3mm (TMFG23)
6mm (TMFG27)
9mm (TMFG28)
13+A
A=2mm-11mm
13
TMV101 5,5x25 (A=2-6mm)
TMV101 5,5x32 (A=7-11mm)
TMV101 5,5x35 (A=12-14mm)
TMF62
TMF63
6-12

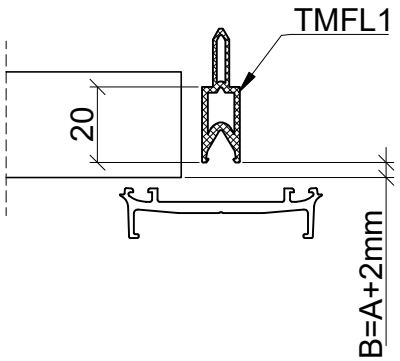

TMH45
21-33
4-30
45

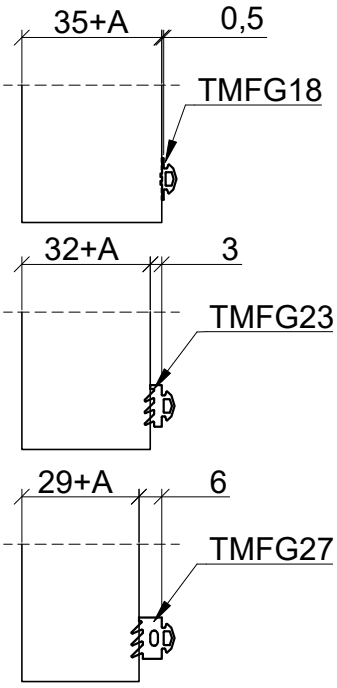

LINEAL ST54
21-33
8-45
54

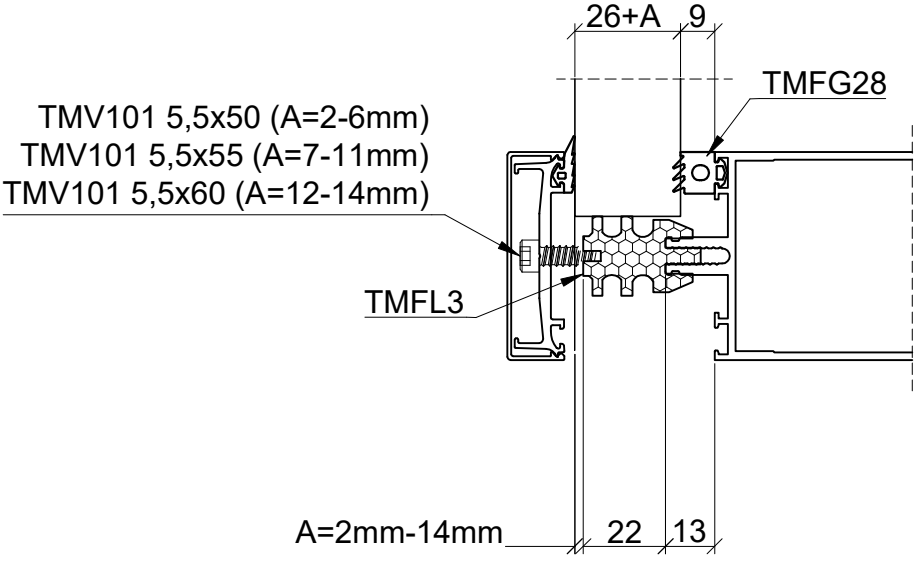

SLIDE H28
21-33
6-20
45

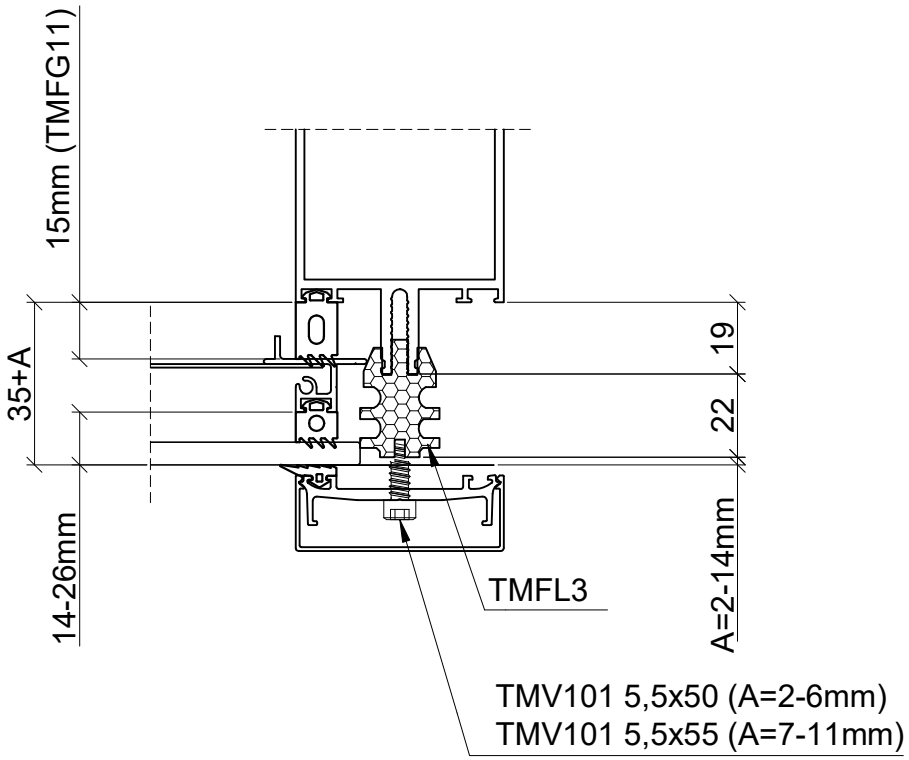

TMFG27
TMFG28
TMFG29
TMFG11
6
35+A
9
32+A
12
29+A
15
26+A
19
22
A=2mm-14mm
TMV101 5,5x50 (A=2-6mm)
TMV101 5,5x55 (A=7-11mm)
TMV101 5,5x60 (A=12-14mm)
TMFL3

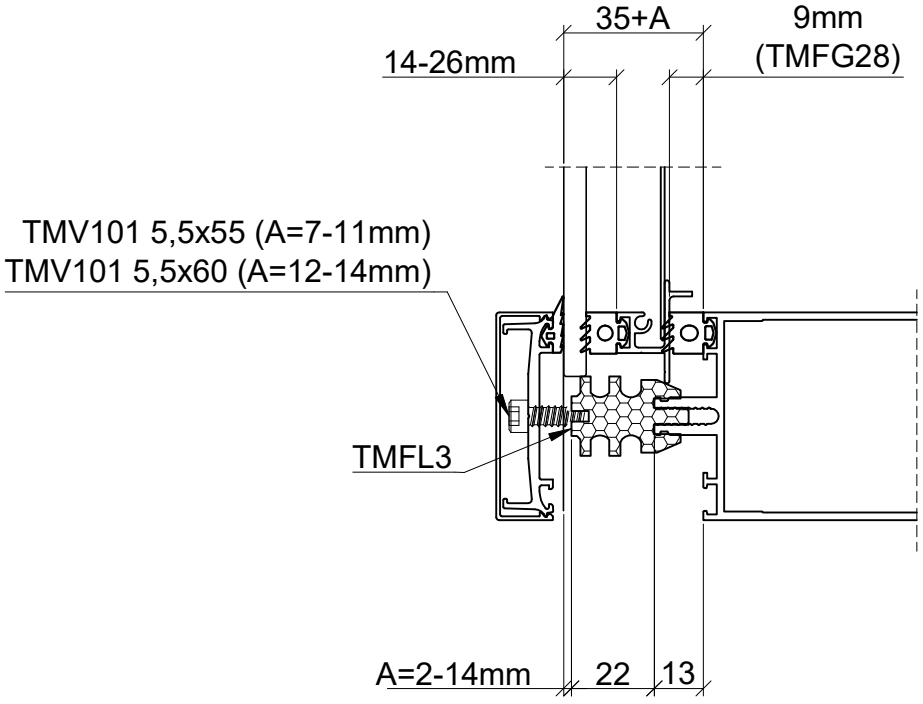

TMFL3
22
A

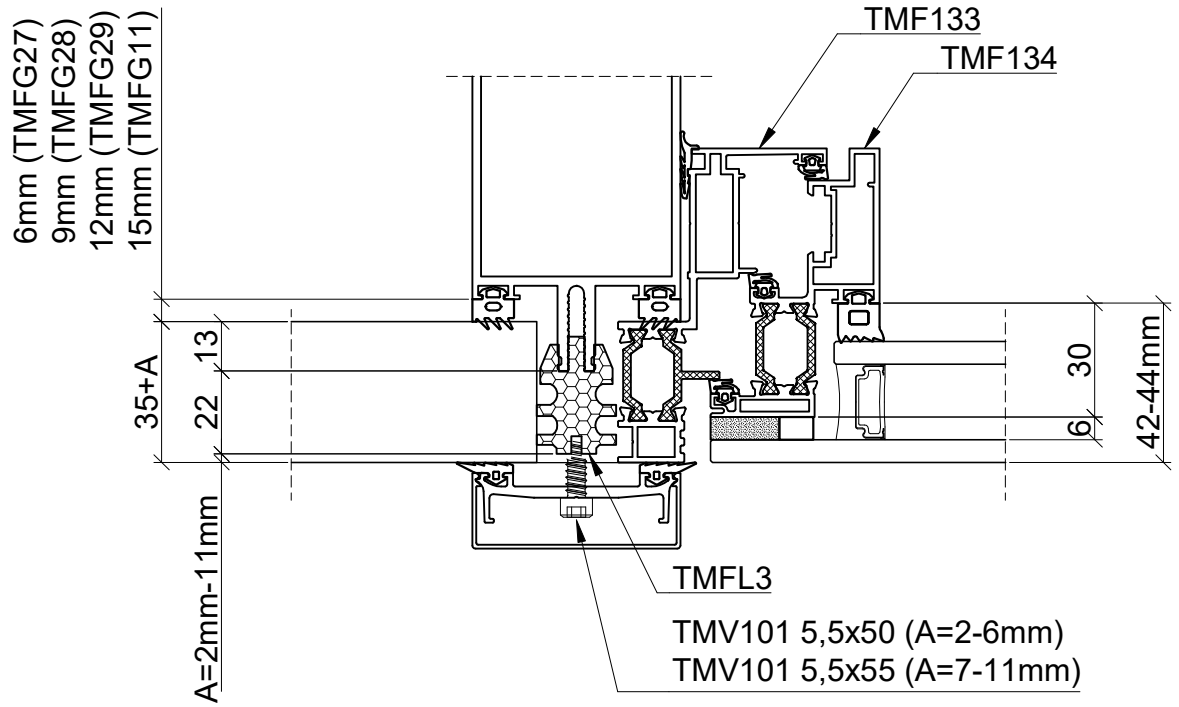

TMFL1
20
B=A+2mm

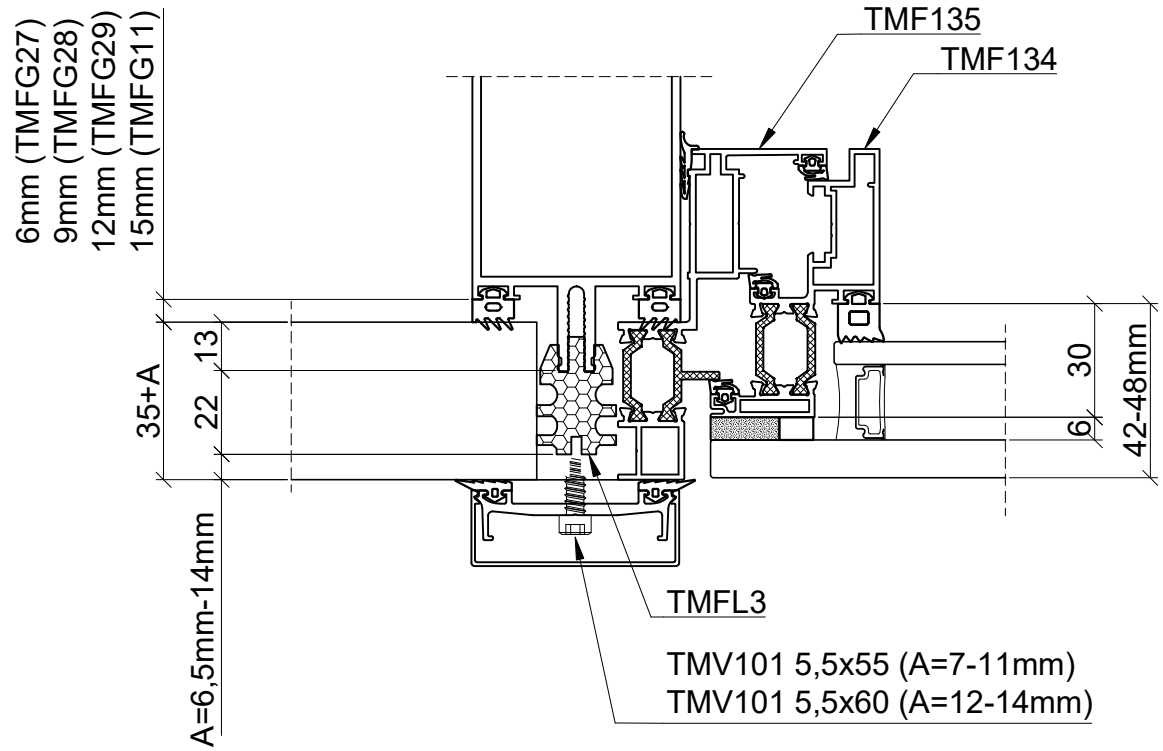

35+A
0,5
TMFG18
32+A
3
TMFG23
29+A
6
TMFG27

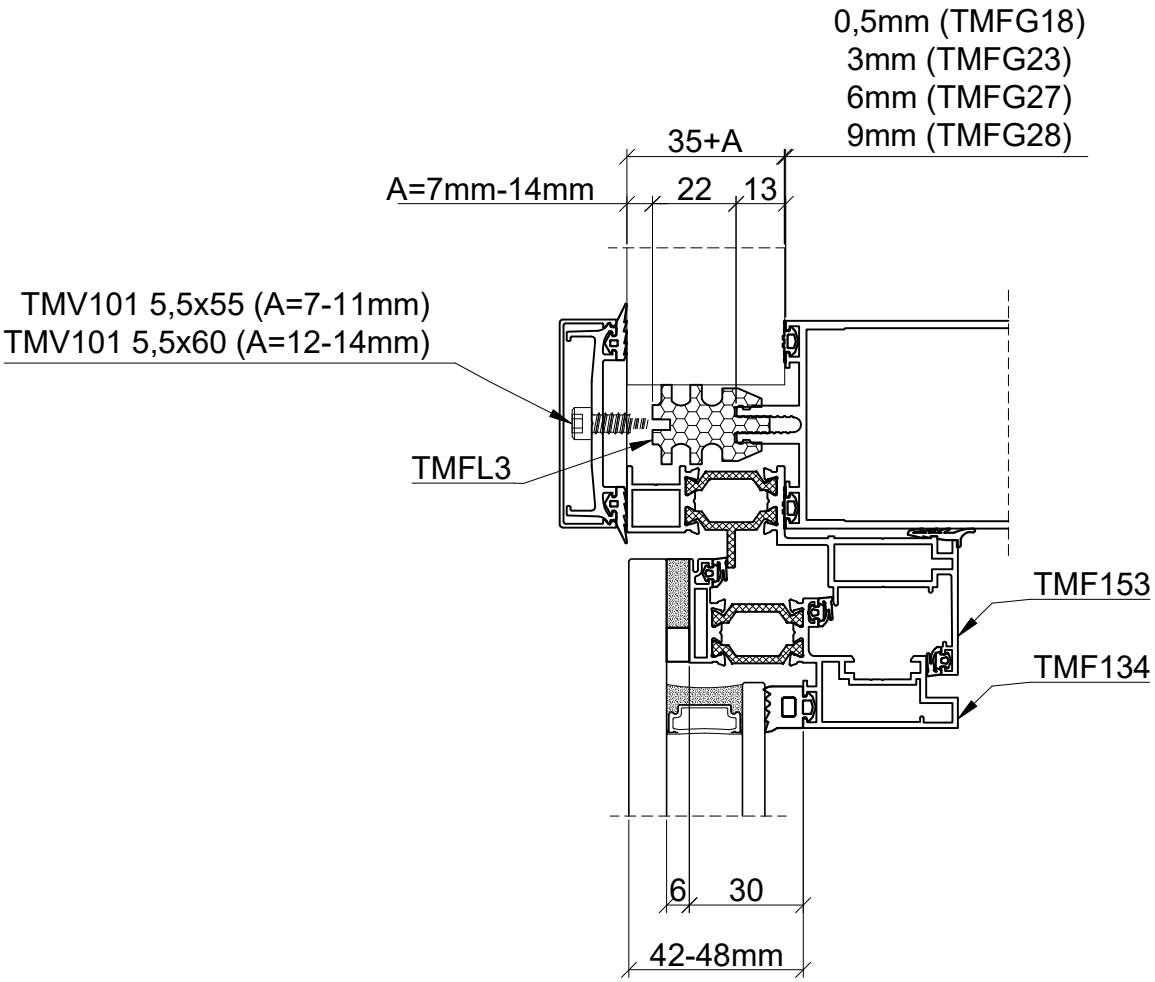

26+A
9
TMFG28
TMV101 5,5x50 (A=2-6mm)
TMV101 5,5x55 (A=7-11mm)
TMV101 5,5x60 (A=12-14mm)
TMFL3
A=2mm-14mm
22
13

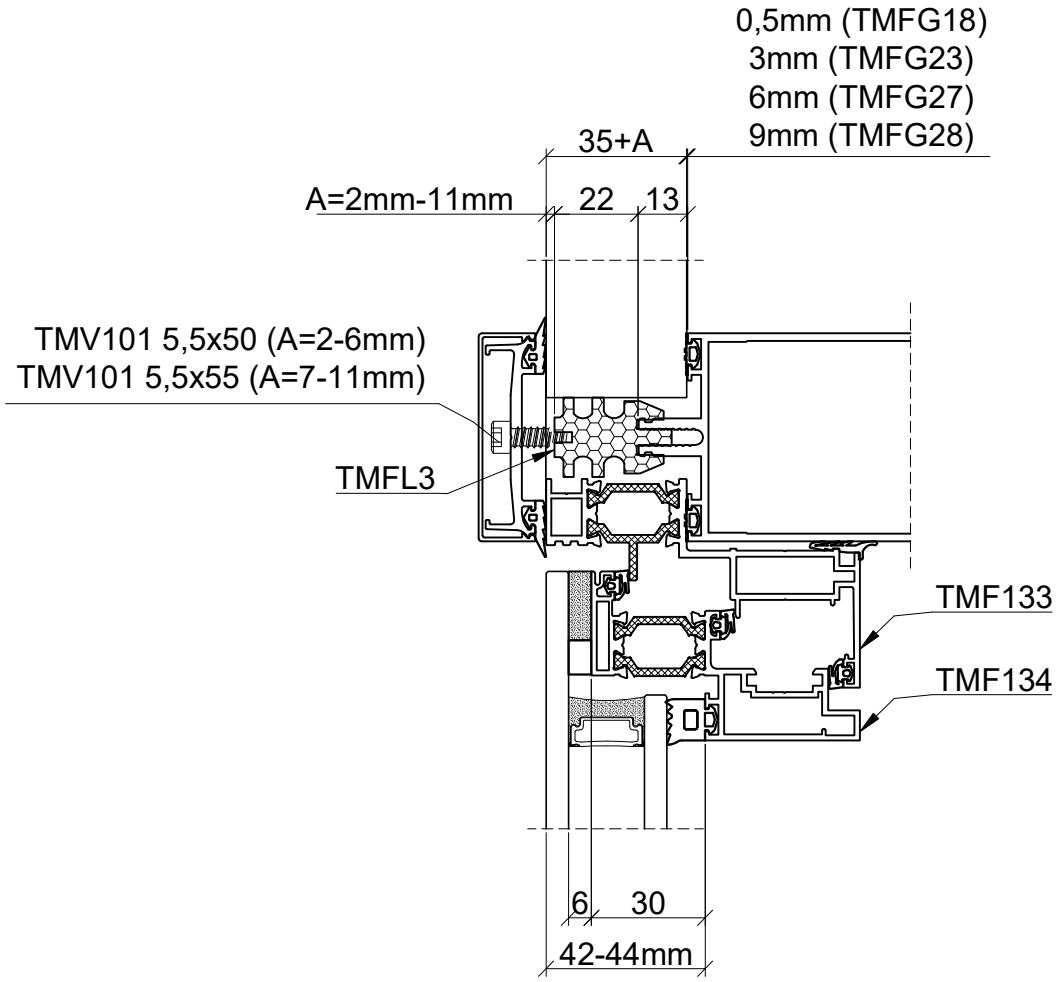

15mm (TMFG11)
35+A
14-26mm
19
22
A=2-14mm
TMFL3
TMV101 5,5x50 (A=2-6mm)
TMV101 5,5x55 (A=7-11mm)

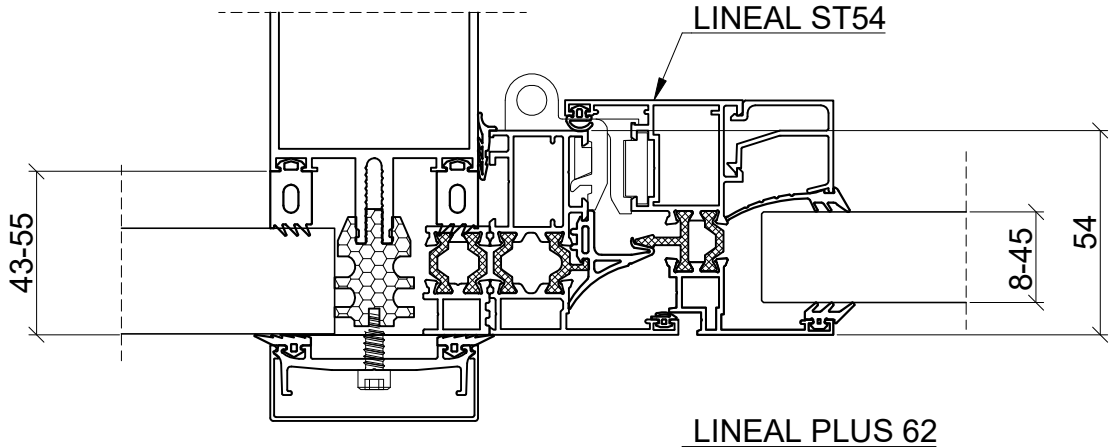

35+A
9mm
(TMFG28)
14-26mm
TMV101 5,5x55 (A=7-11mm)
TMV101 5,5x60 (A=12-14mm)
TMFL3
A=2-14mm
22
13

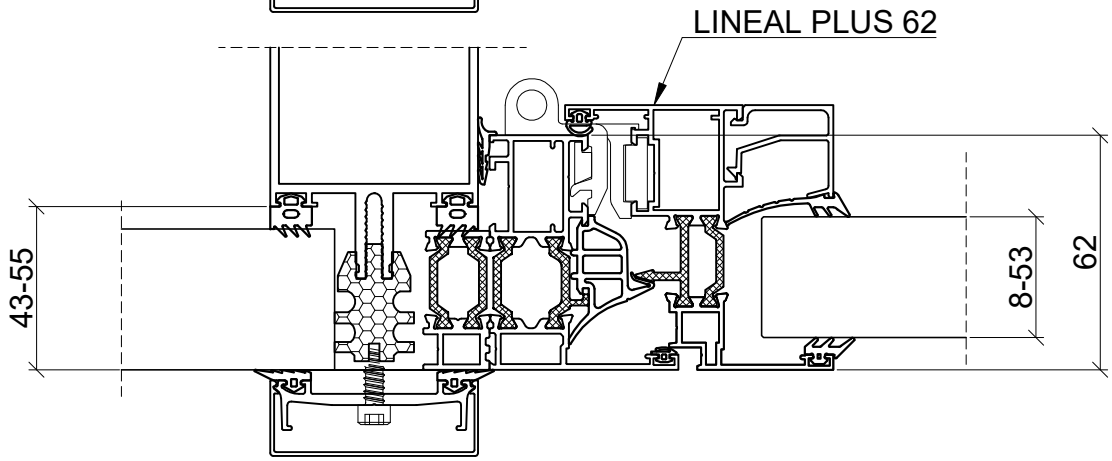

TMF133
TMF134
6mm (TMFG27)
9mm (TMFG28)
12mm (TMFG29)
15mm (TMFG11)
35+A
13
22
30
6
42-44mm
A=2mm-11mm
TMFL3
TMV101 5,5x50 (A=2-6mm)
TMV101 5,5x55 (A=7-11mm)

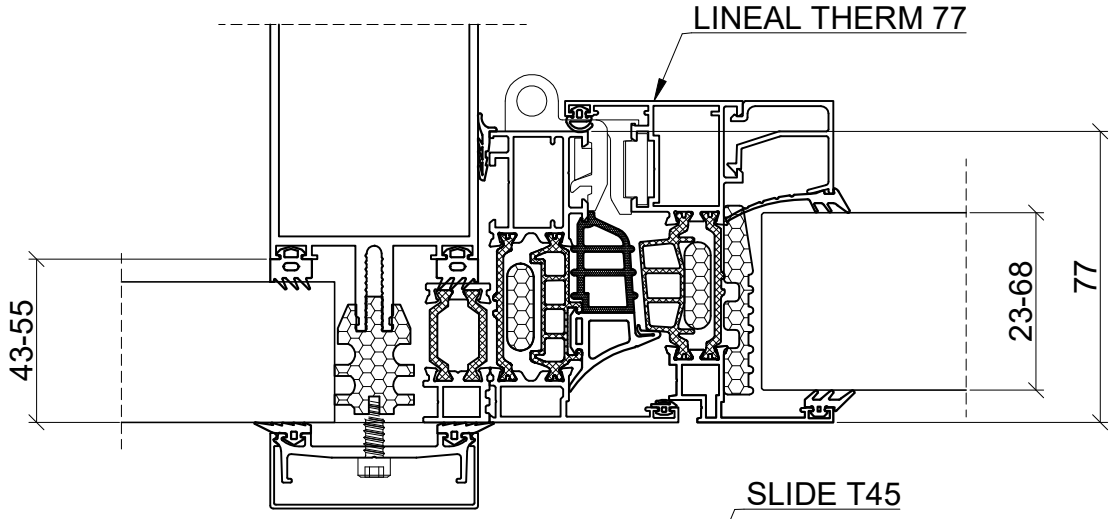

TMF135
TMF134
6mm (TMFG27)
9mm (TMFG28)
12mm (TMFG29)
15mm (TMFG11)
35+A
13
22
30
6
42-48mm
A=6,5mm-14mm
TMFL3
TMV101 5,5x55 (A=7-11mm)
TMV101 5,5x60 (A=12-14mm)

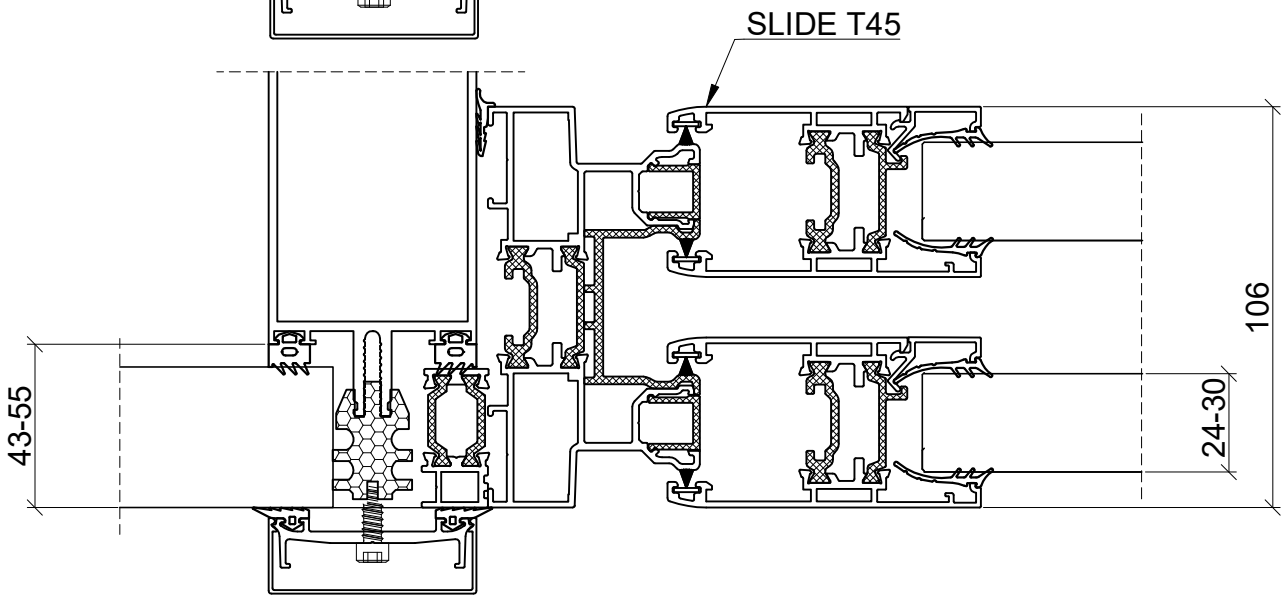

0,5mm (TMFG18)
3mm (TMFG23)
6mm (TMFG27)
9mm (TMFG28)
35+A
A=7mm-14mm
22
13
TMV101 5,5x55 (A=7-11mm)
TMV101 5,5x60 (A=12-14mm)
TMFL3
TMF153
TMF134
6
30
42-48mm

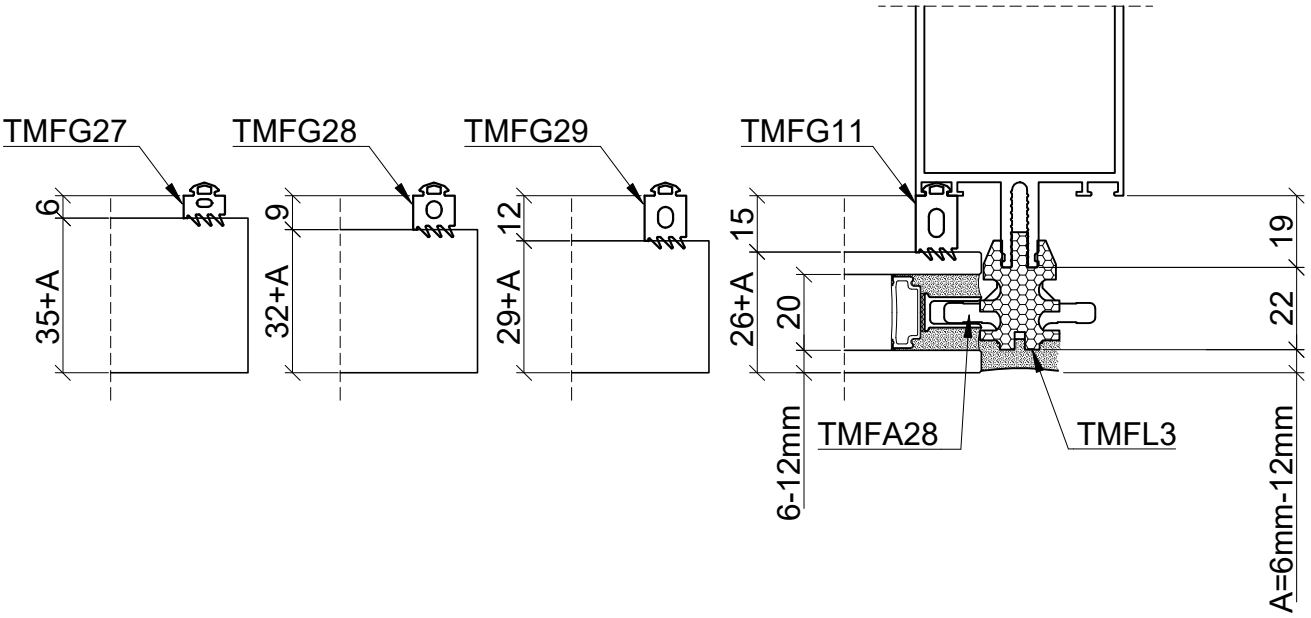

0,5mm (TMFG18)
3mm (TMFG23)
6mm (TMFG27)
9mm (TMFG28)
35+A
A=2mm-11mm
22
13
TMV101 5,5x50 (A=2-6mm)
TMV101 5,5x55 (A=7-11mm)
TMFL3
TMF133
TMF134
6
30
42-44mm

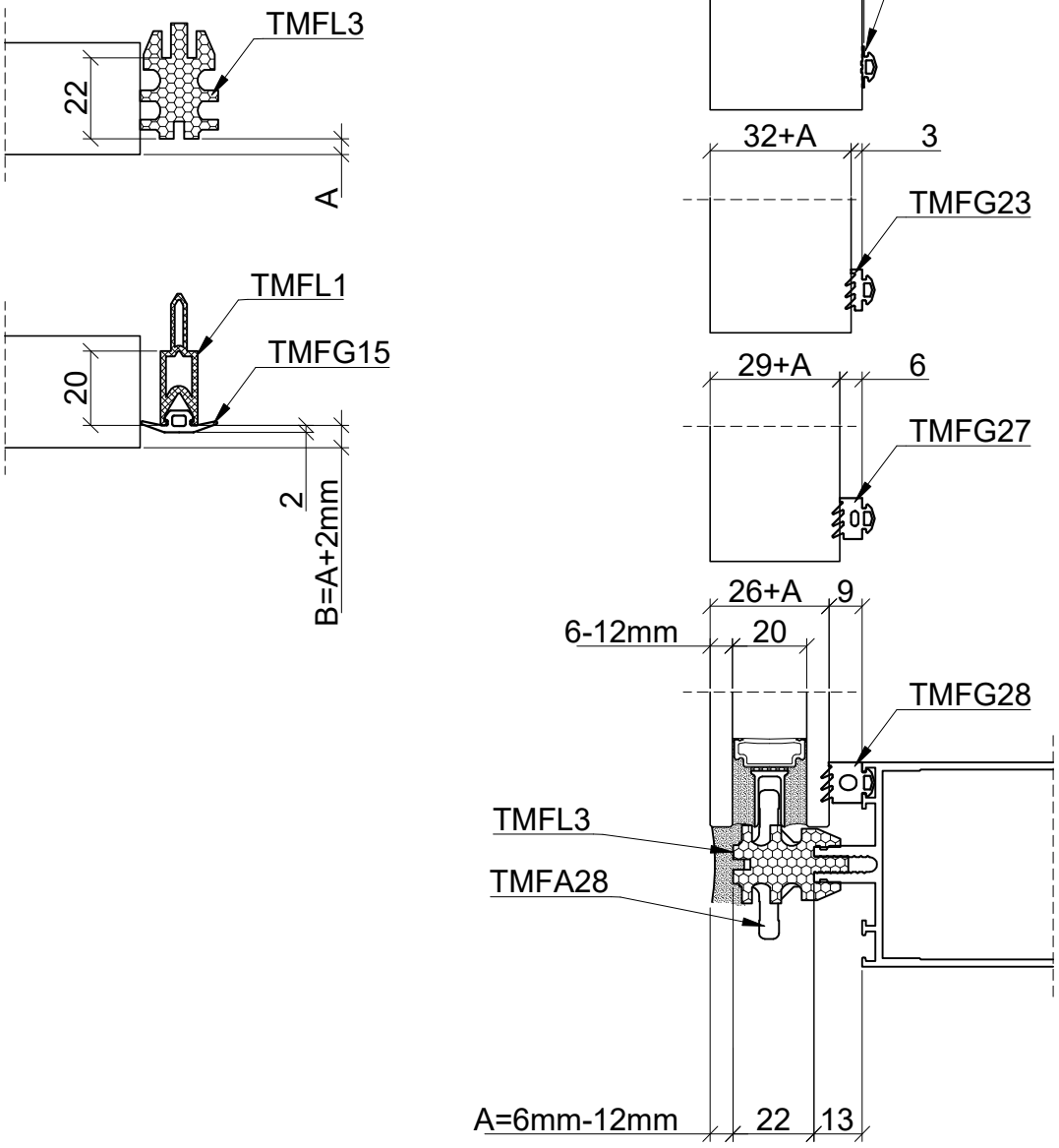

LINEAL ST54
43-55
8-45
54

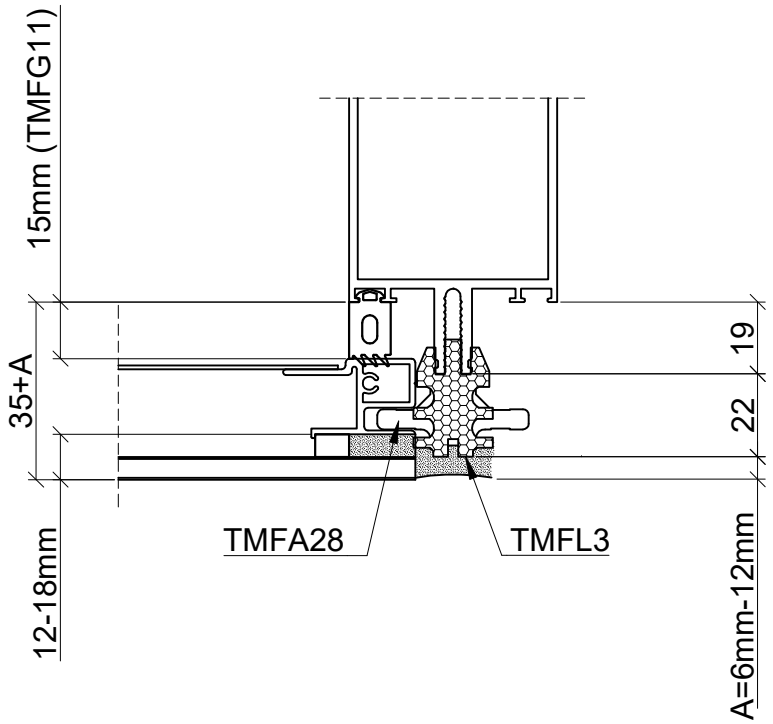

LINEAL PLUS 62
43-55
8-53
62

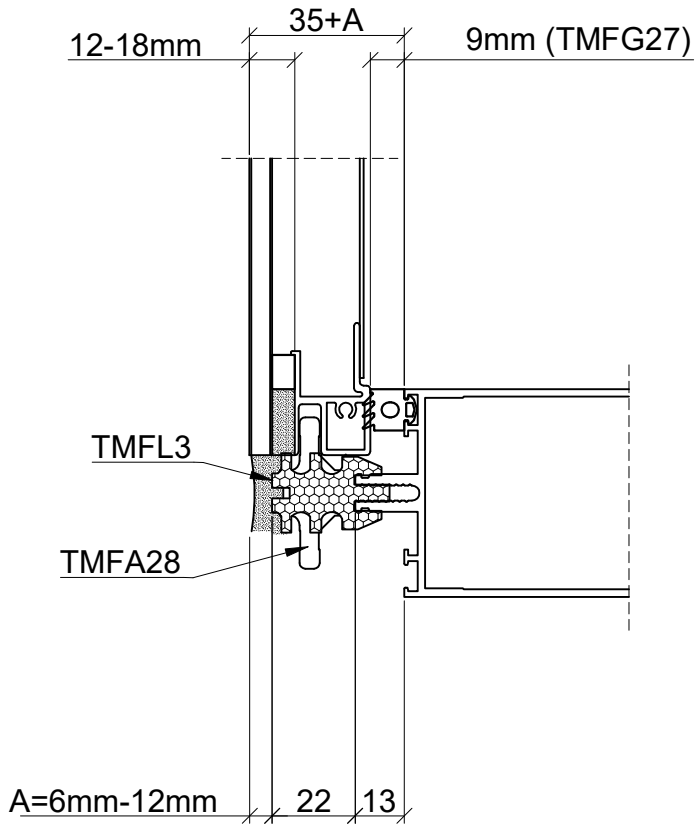

LINEAL THERM 77
43-55
23-68
77

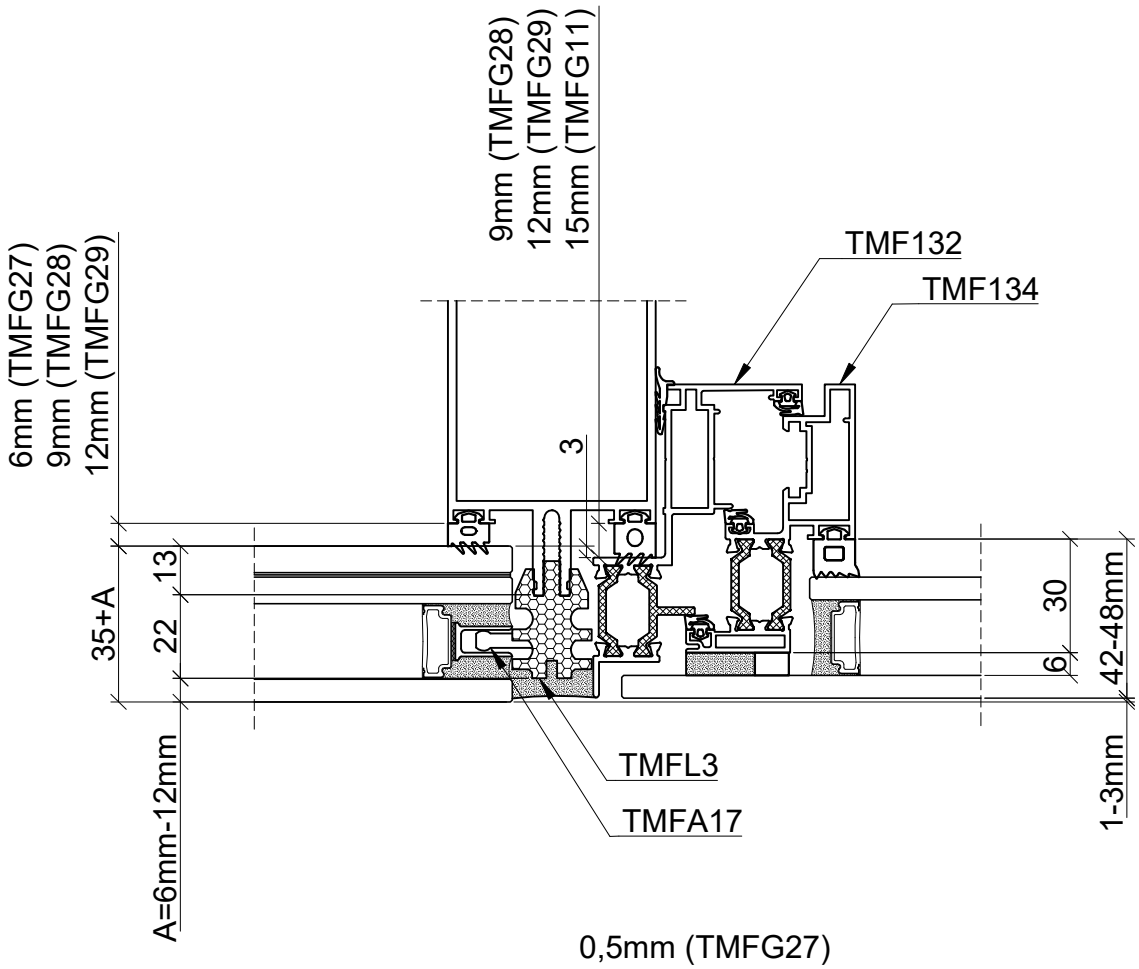

SLIDE T45
43-55
24-30
106

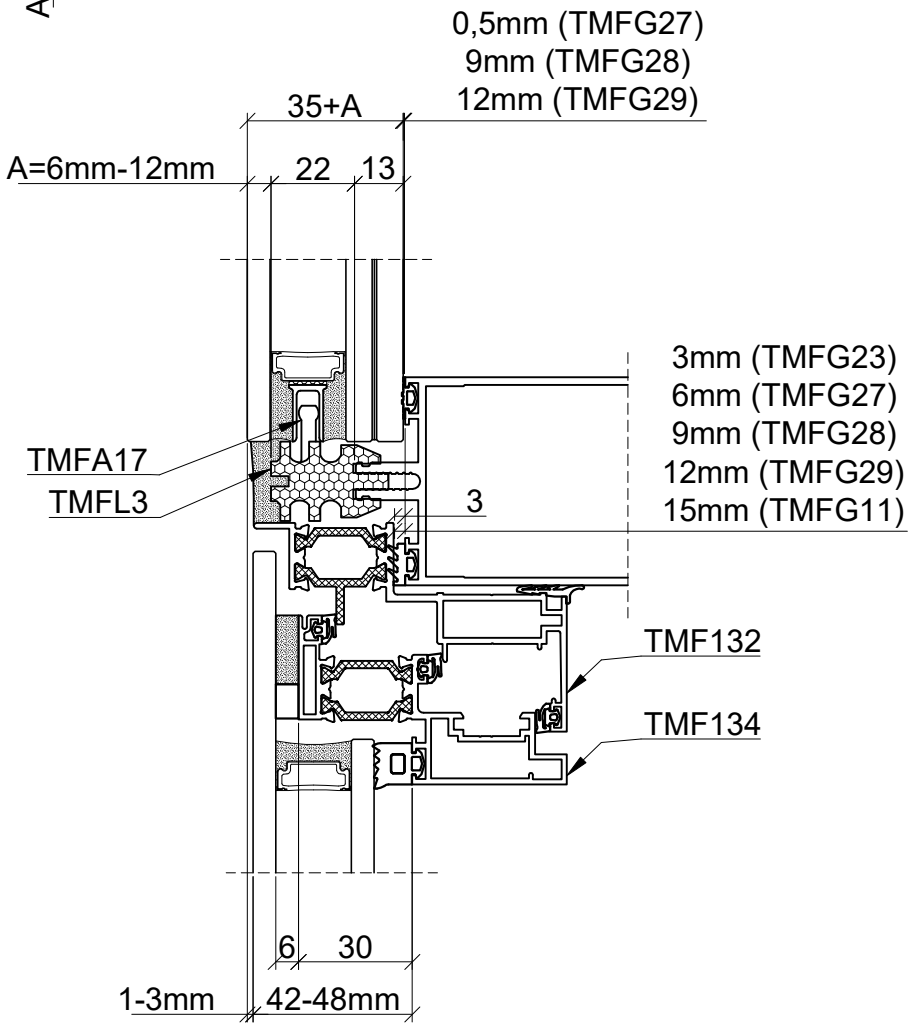

TMFG27
TMFG28
TMFG29
TMFG11
6
35+A
9
32+A
12
29+A
15
26+A
20
19
22
6-12mm
TMFA28
TMFL3
A=6mm-12mm

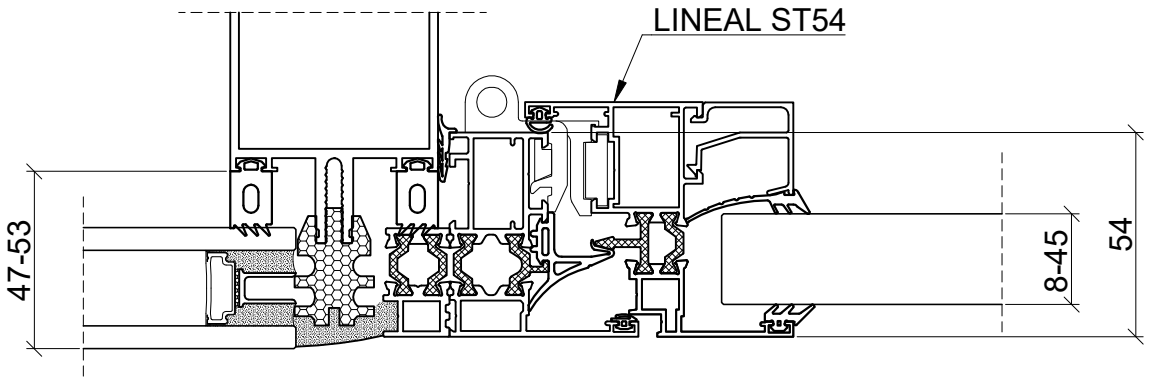

TMFL3
22
A
TMFL1
TMFG15
20
2
B=A+2mm
35+A
0,5
TMFG18
32+A
3
TMFG23
29+A
6
TMFG27
26+A
9
6-12mm
20
TMFG28
TMFL3
TMFA28
A=6mm-12mm
22
13

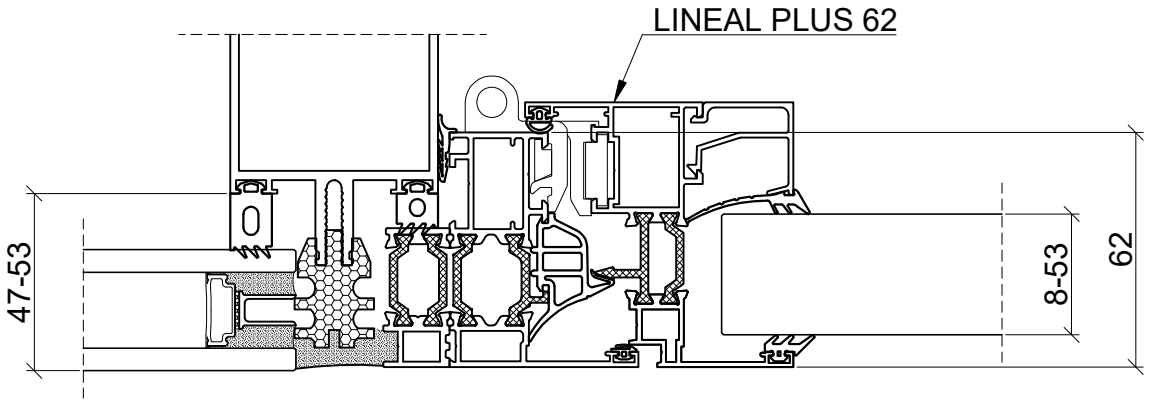

15mm (TMFG11)
35+A
12-18mm
19
22
A=6mm-12mm
TMFA28
TMFL3

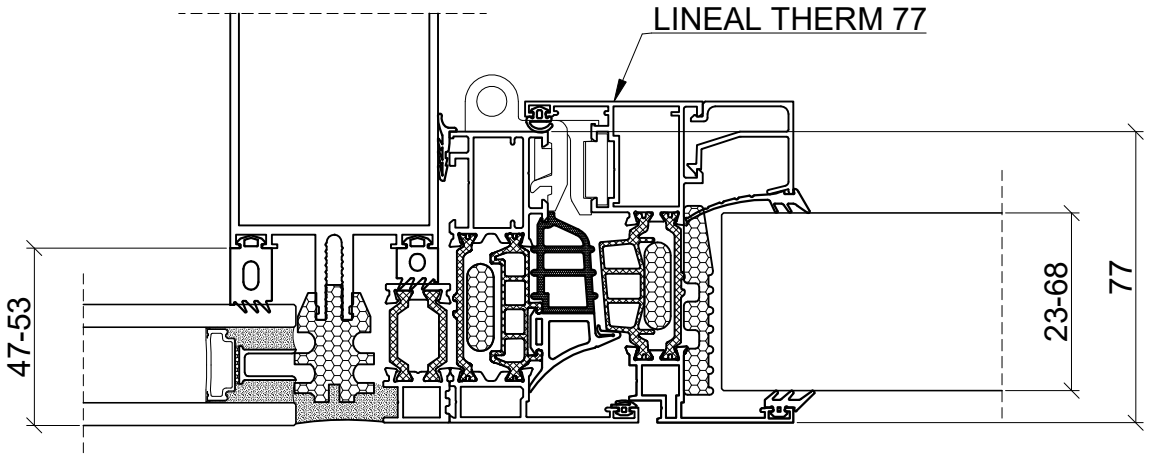

35+A
12-18mm
9mm (TMFG27)
TMFL3
TMFA28
A=6mm-12mm
22
13

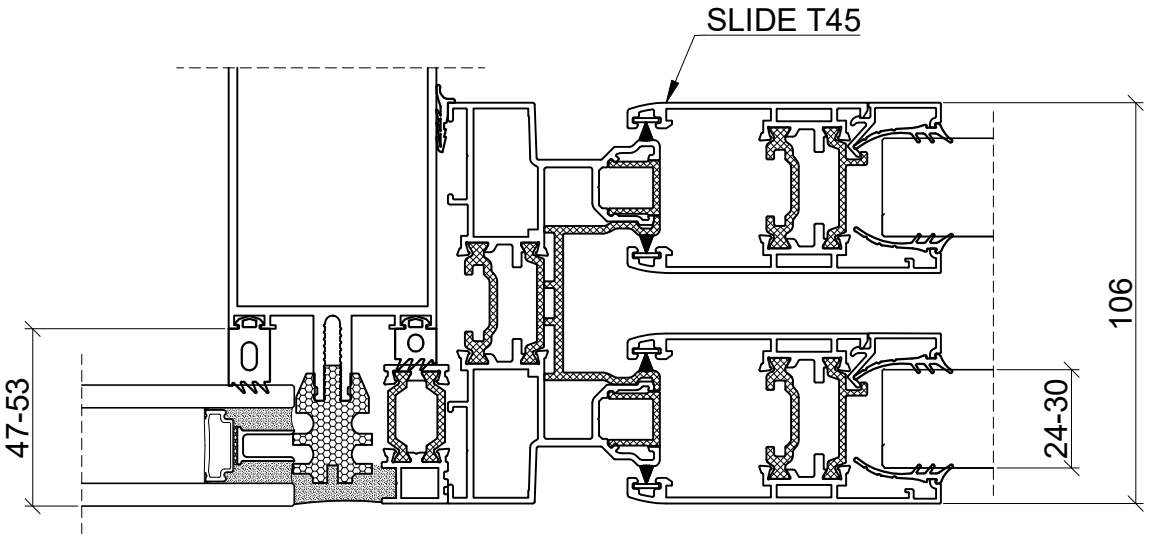

9mm (TMFG28)
12mm (TMFG29)
15mm (TMFG11)
6mm (TMFG27)
9mm (TMFG28)
12mm (TMFG29)
TMF132
TMF134
3
35+A
13
22
30
6
42-48mm
TMFL3
TMFA17
A=6mm-12mm
1-3mm

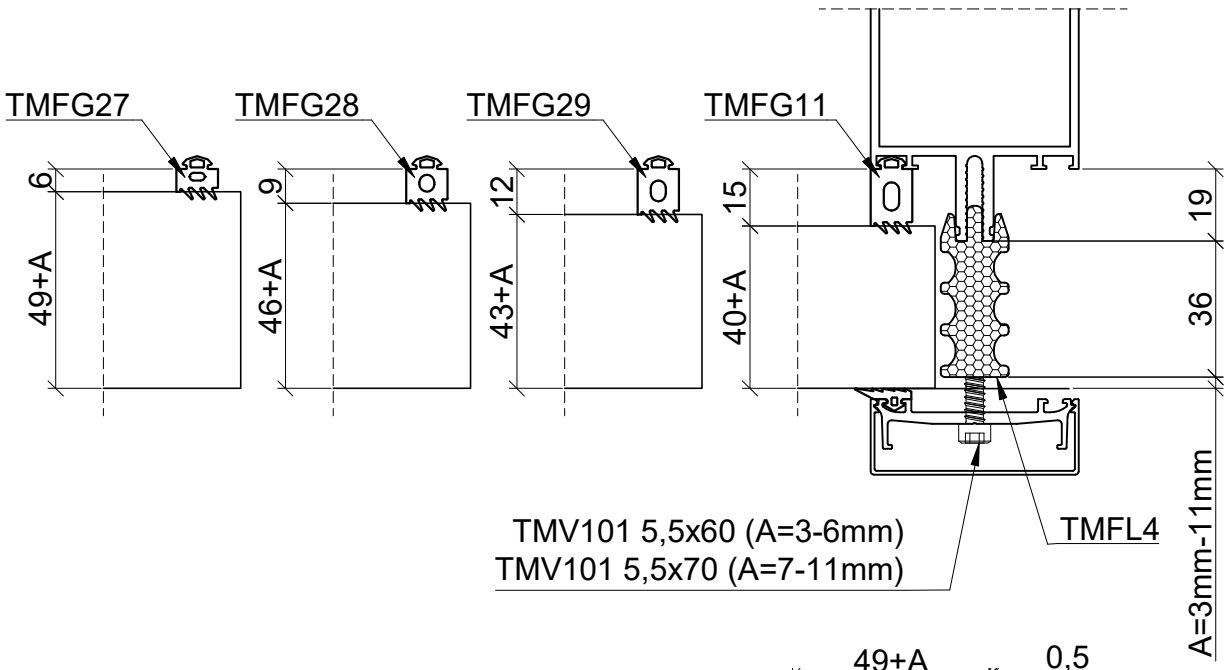

0,5mm (TMFG27)
9mm (TMFG28)
12mm (TMFG29)
35+A
A=6mm-12mm
22
13
3mm (TMFG23)
6mm (TMFG27)
9mm (TMFG28)
12mm (TMFG29)
15mm (TMFG11)
TMFA17
TMFL3
3
TMF132
TMF134
6
30
1-3mm
42-48mm

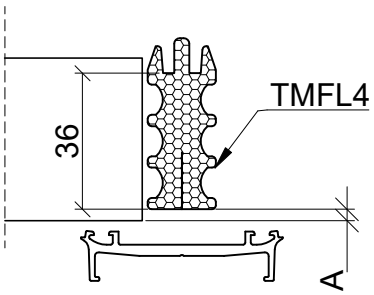

LINEAL ST54
47-53
8-45
54

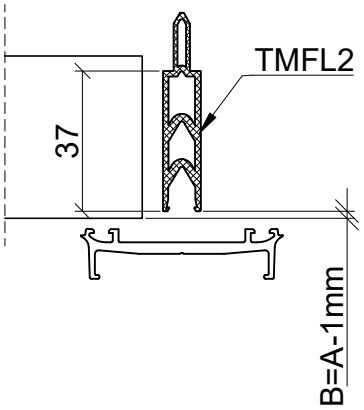

LINEAL PLUS 62
47-53
8-53
62

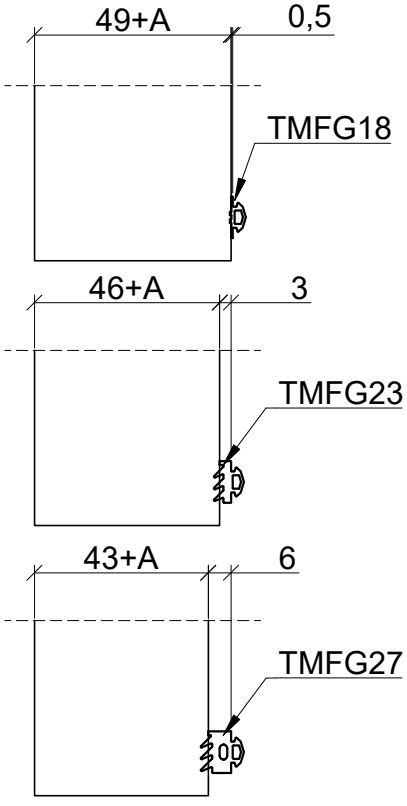

LINEAL THERM 77
47-53
23-68
77

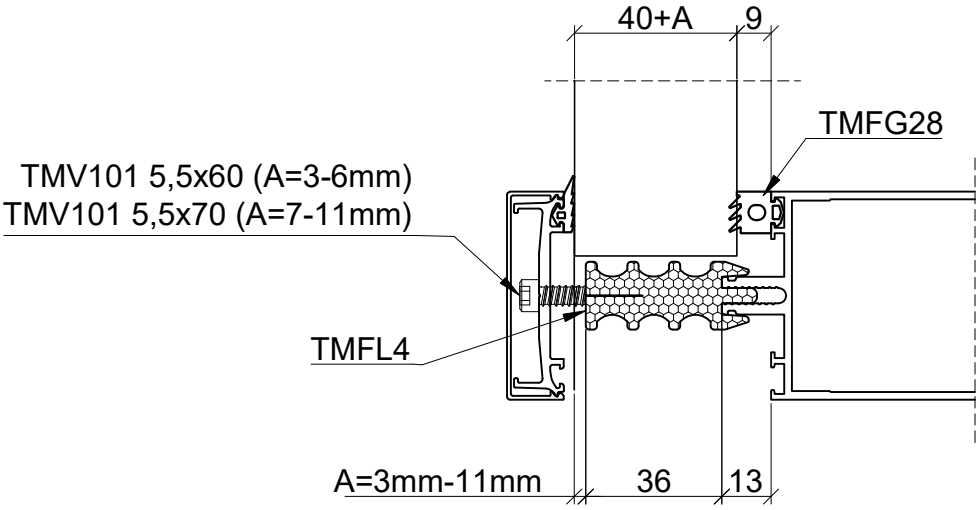

SLIDE T45
47-53
24-30
106

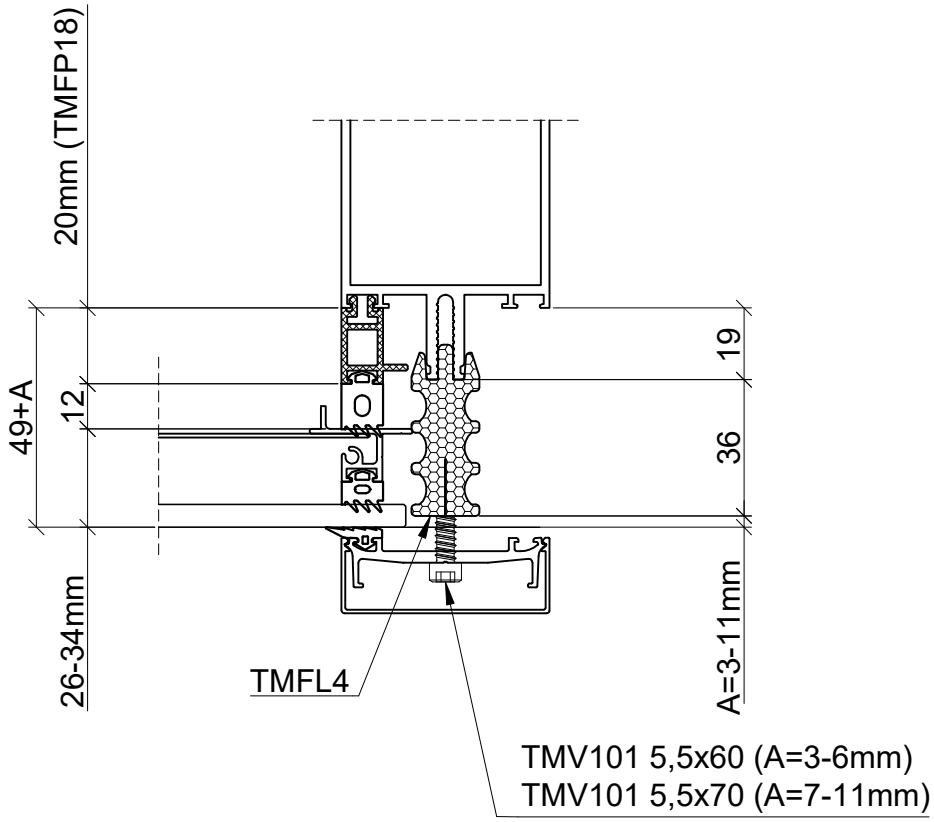

TMFG27
TMFG28
TMFG29
TMFG11
6
49+A
9
46+A
12
43+A
15
40+A
19
36
TMV101 5,5x60 (A=3-6mm)
TMV101 5,5x70 (A=7-11mm)
TMFL4
A=3mm-11mm

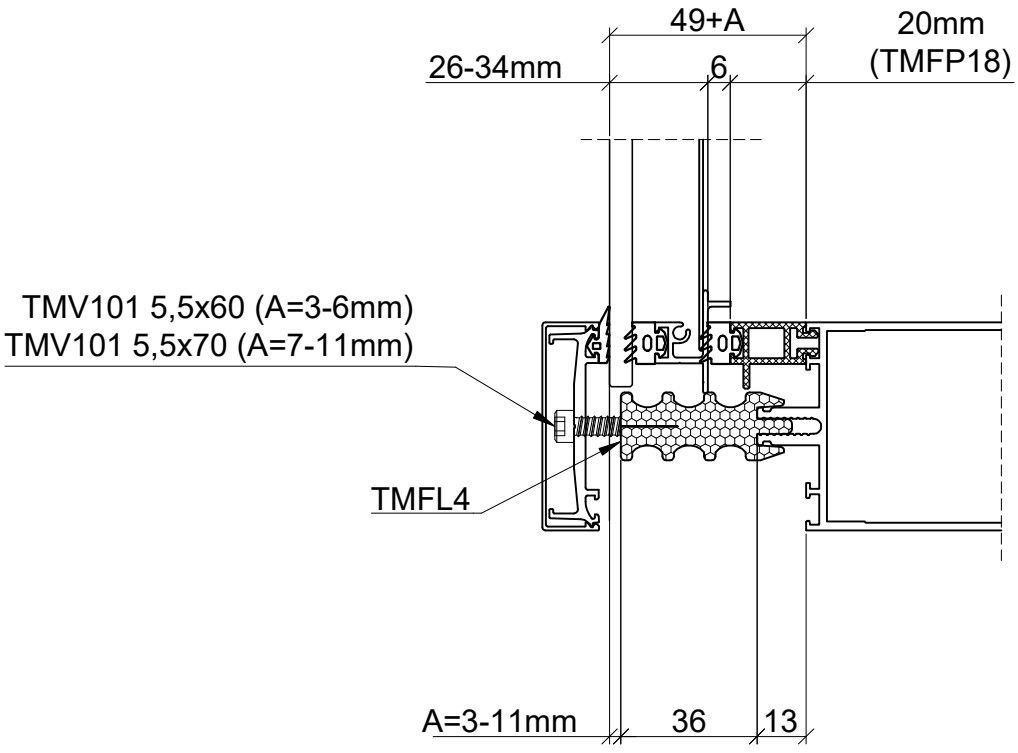

TMFL4
36
A

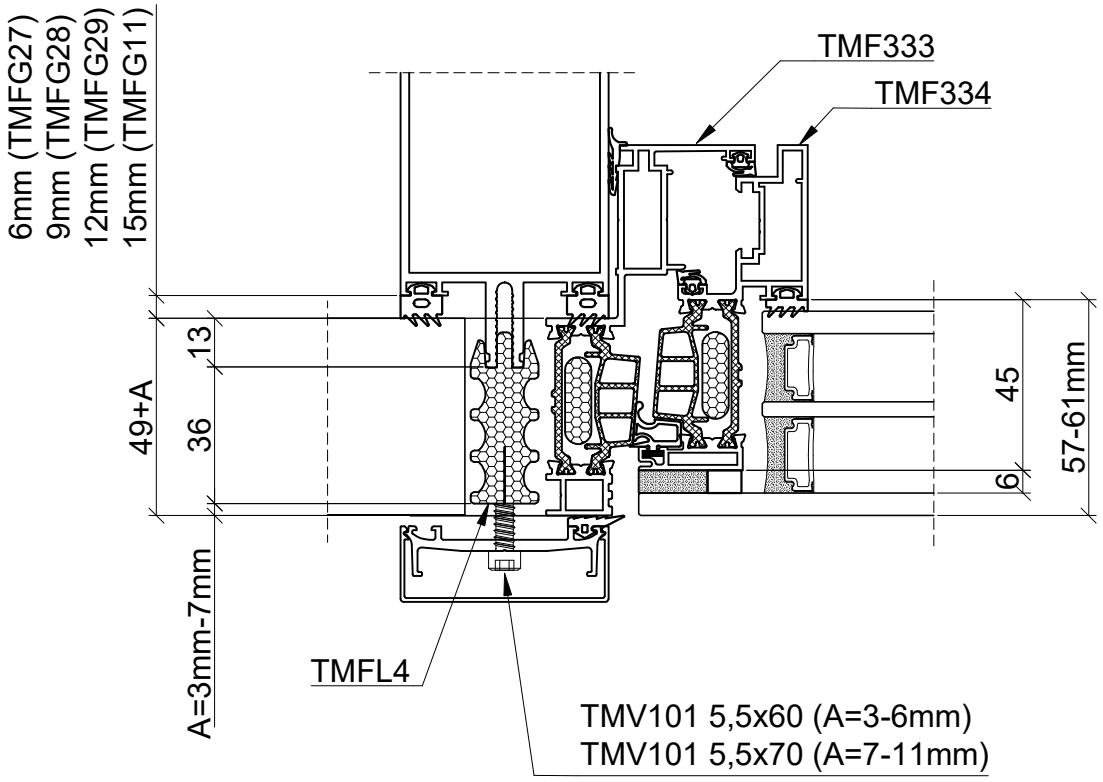

TMFL2
37
B=A-1mm

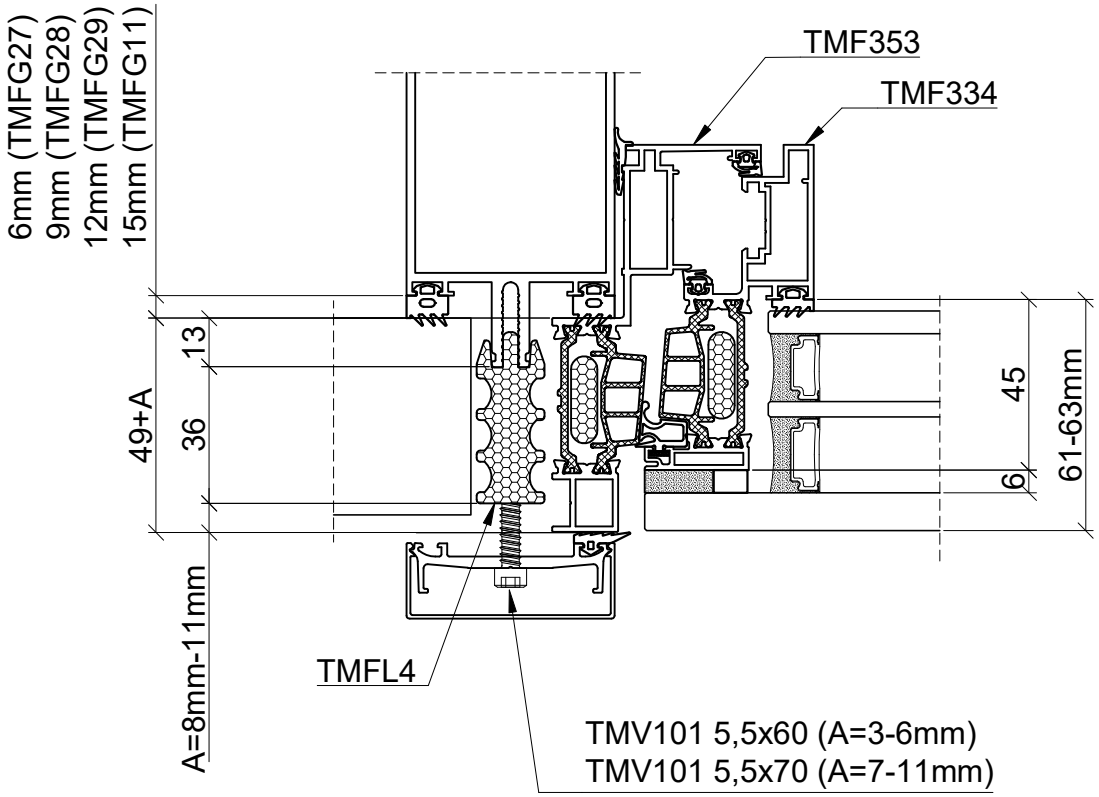

49+A
0,5
TMFG18
46+A
3
TMFG23
43+A
6
TMFG27

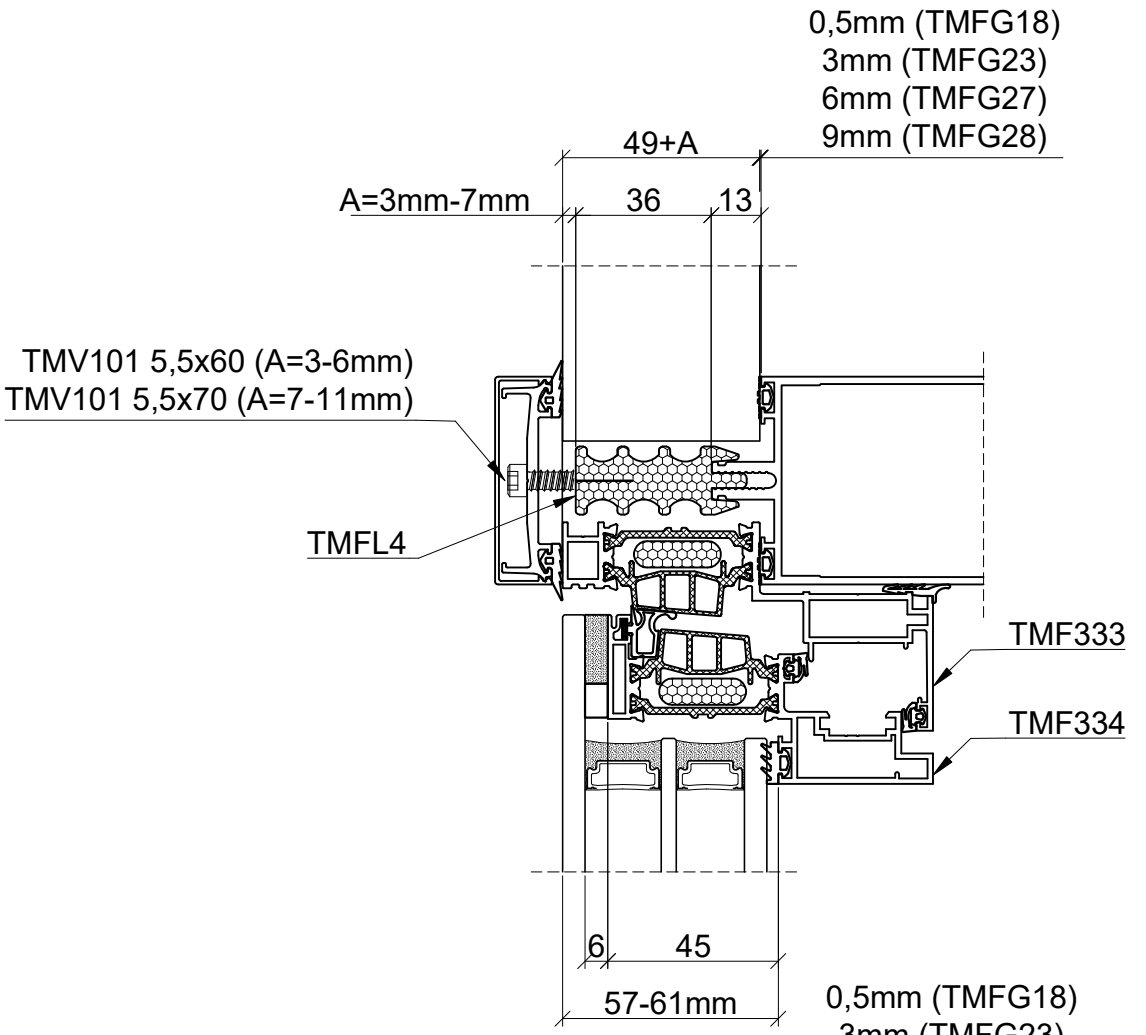

40+A
9
TMFG28
TMV101 5,5x60 (A=3-6mm)
TMV101 5,5x70 (A=7-11mm)
TMFL4
A=3mm-11mm
36
13

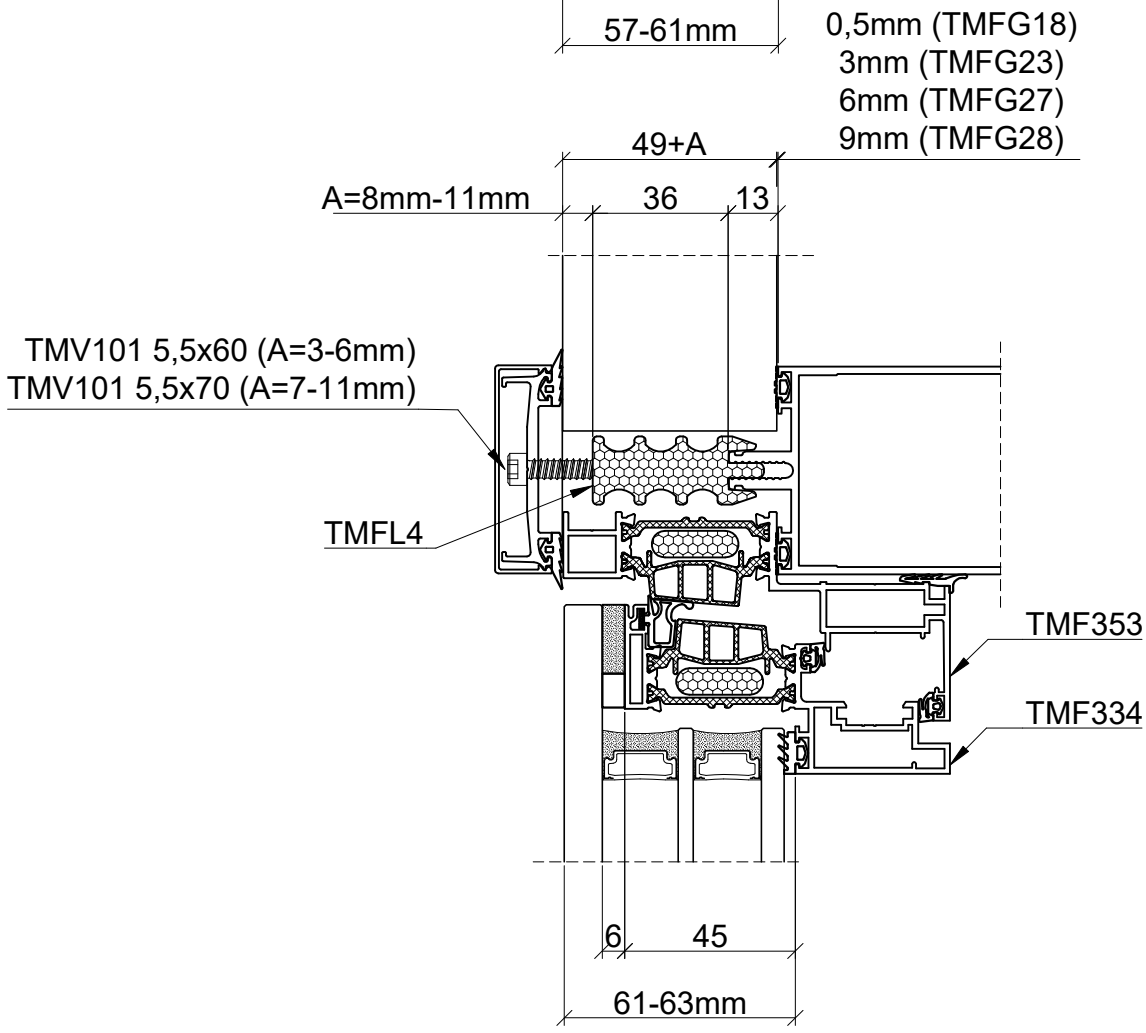

20mm (TMFP18)
49+A
12
19
36
26-34mm
A=3-11mm
TMFL4
TMV101 5,5x60 (A=3-6mm)
TMV101 5,5x70 (A=7-11mm)

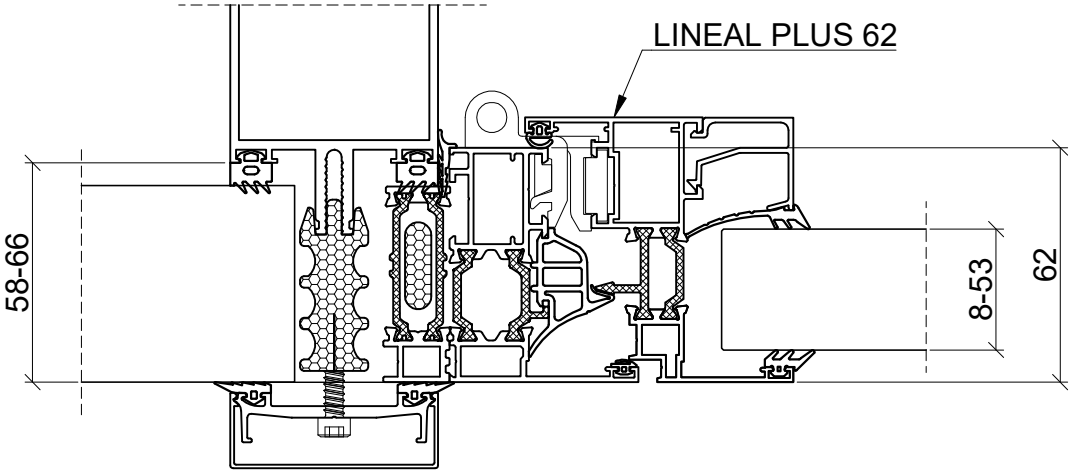

49+A
20mm
(TMFP18)
26-34mm
6
TMV101 5,5x60 (A=3-6mm)
TMV101 5,5x70 (A=7-11mm)
TMFL4
A=3-11mm
36
13

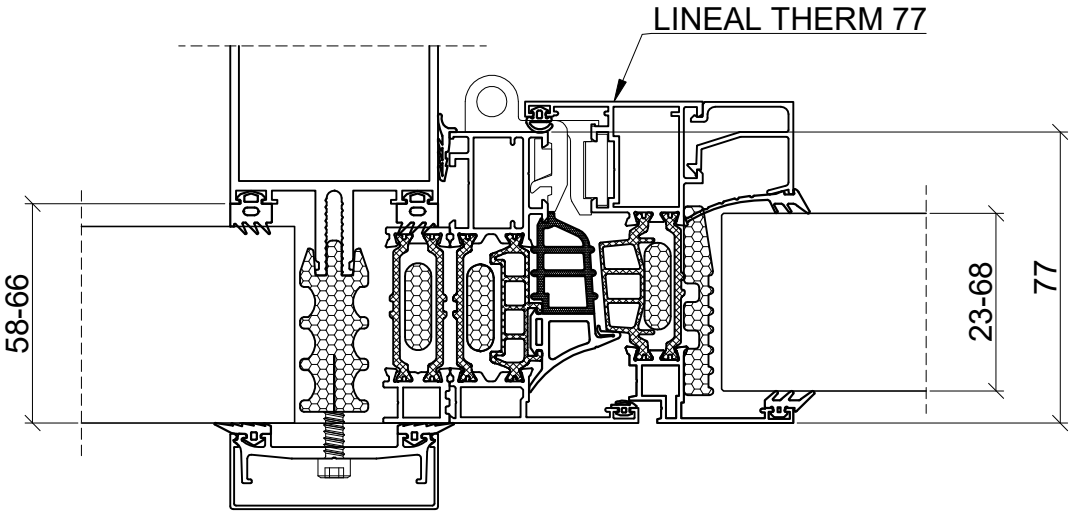

6mm (TMFG27)
9mm (TMFG28)
12mm (TMFG29)
15mm (TMFG11)
TMF333
TMF334
49+A
13
36
45
6
57-61mm
A=3mm-7mm
TMFL4
TMV101 5,5x60 (A=3-6mm)
TMV101 5,5x70 (A=7-11mm)

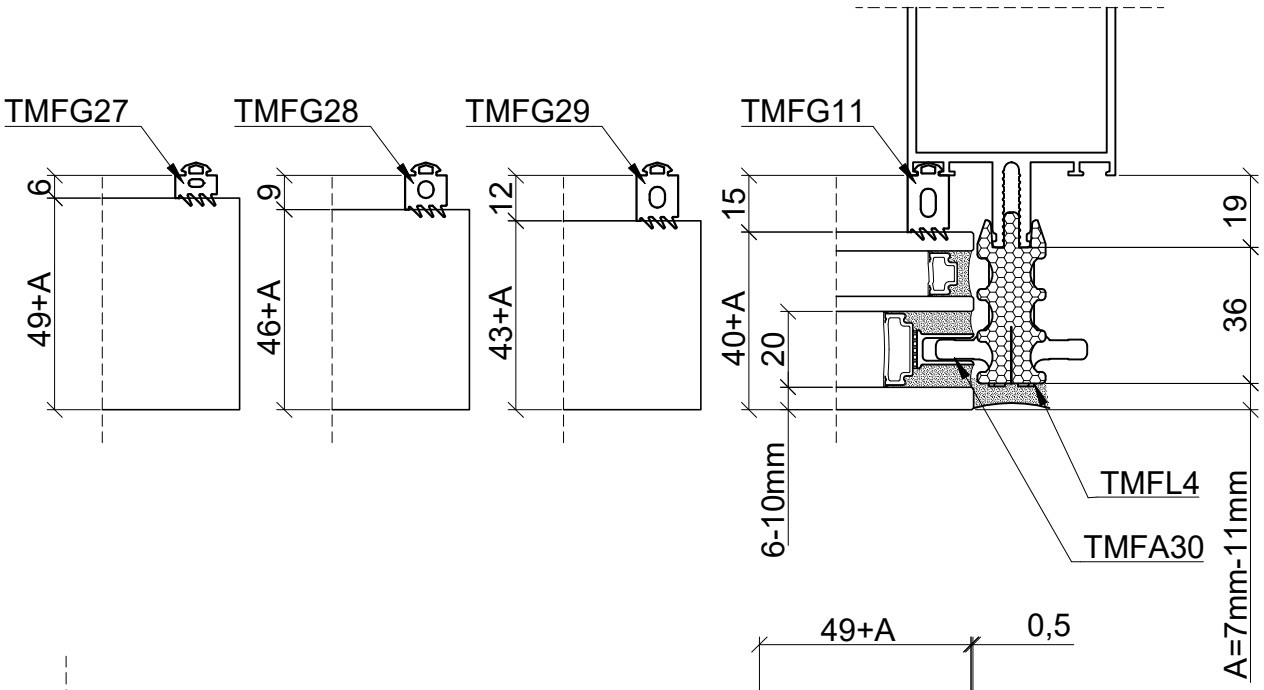

6mm (TMFG27)
9mm (TMFG28)
12mm (TMFG29)
15mm (TMFG11)
TMF353
TMF334
49+A
13
36
45
6
61-63mm
A=8mm-11mm
TMFL4
TMV101 5,5x60 (A=3-6mm)
TMV101 5,5x70 (A=7-11mm)

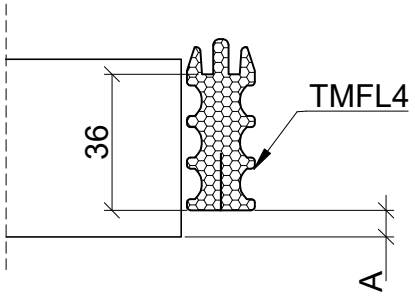

0,5mm (TMFG18)
3mm (TMFG23)
6mm (TMFG27)
9mm (TMFG28)
49+A
A=3mm-7mm
36
13
TMV101 5,5x60 (A=3-6mm)
TMV101 5,5x70 (A=7-11mm)
TMFL4
TMF333
TMF334
6
45
57-61mm

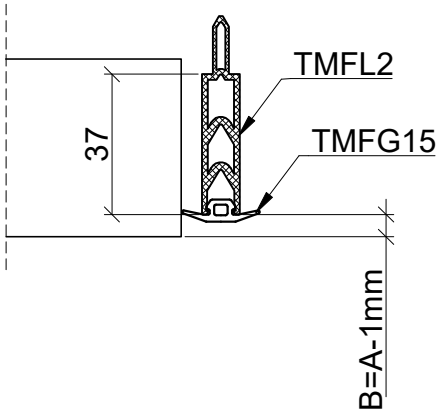

0,5mm (TMFG18)
3mm (TMFG23)
6mm (TMFG27)
9mm (TMFG28)
49+A
A=8mm-11mm
36
13
TMV101 5,5x60 (A=3-6mm)
TMV101 5,5x70 (A=7-11mm)
TMFL4
TMF353
TMF334
6
45
61-63mm

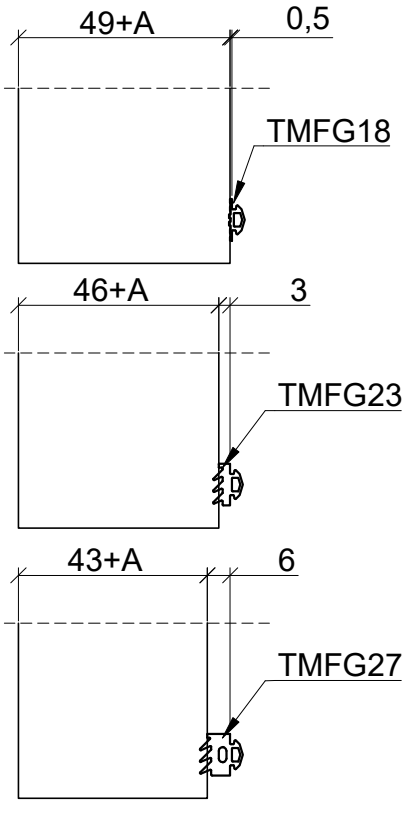

LINEAL PLUS 62
58-66
8-53
62

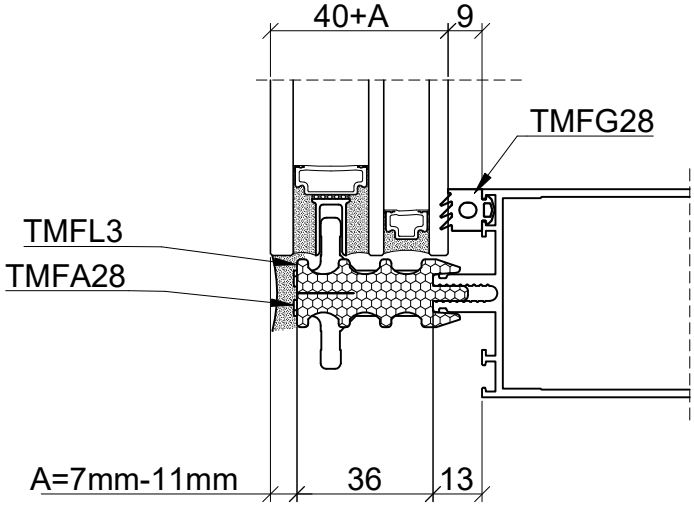

LINEAL THERM 77
58-66
23-68
77

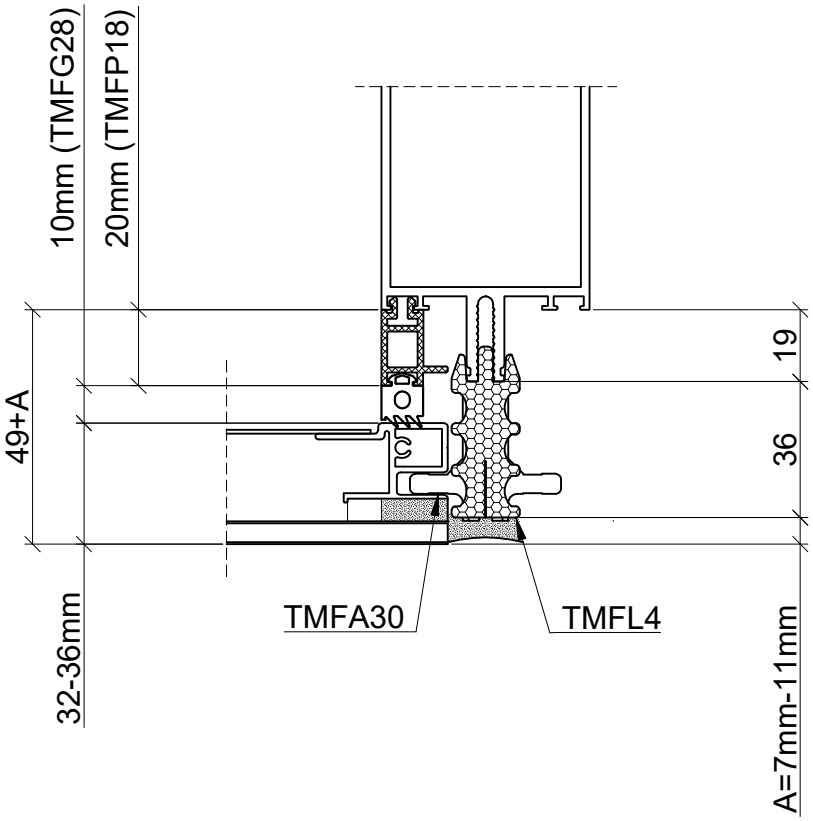

TMFG27
TMFG28
TMFG29
TMFG11
6
9
12
15
19
49+A
46+A
43+A
40+A
20
36
6-10mm
TMFL4
TMFA30
A=7mm-11mm

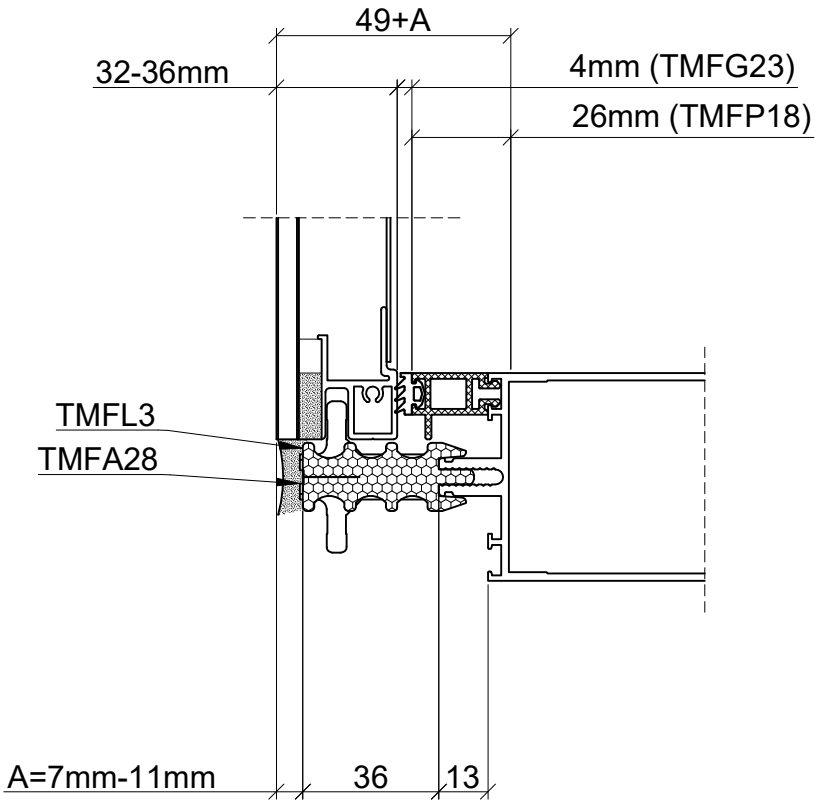

TMFL4
36
A

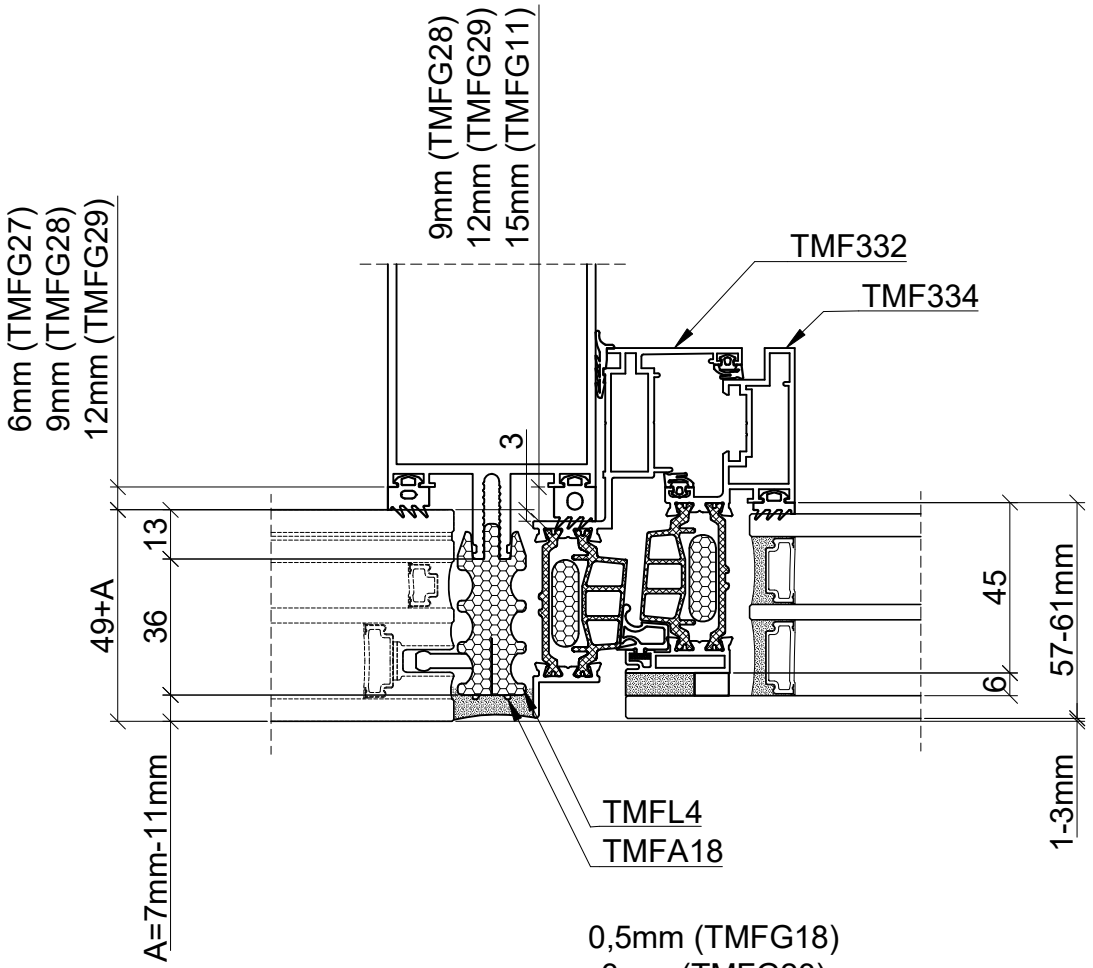

TMFL2
TMFG15
37
B=A-1mm

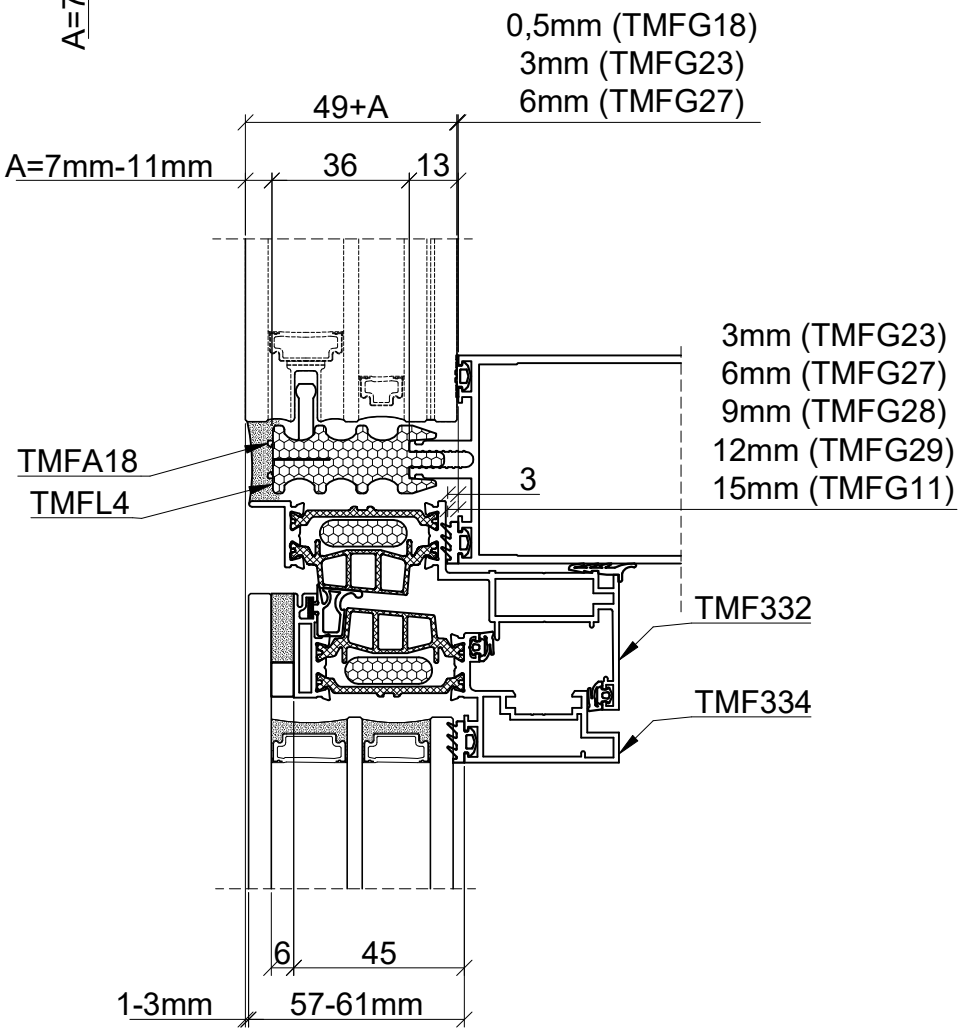

49+A
0,5
TMFG18
46+A
3
TMFG23
43+A
6
TMFG27

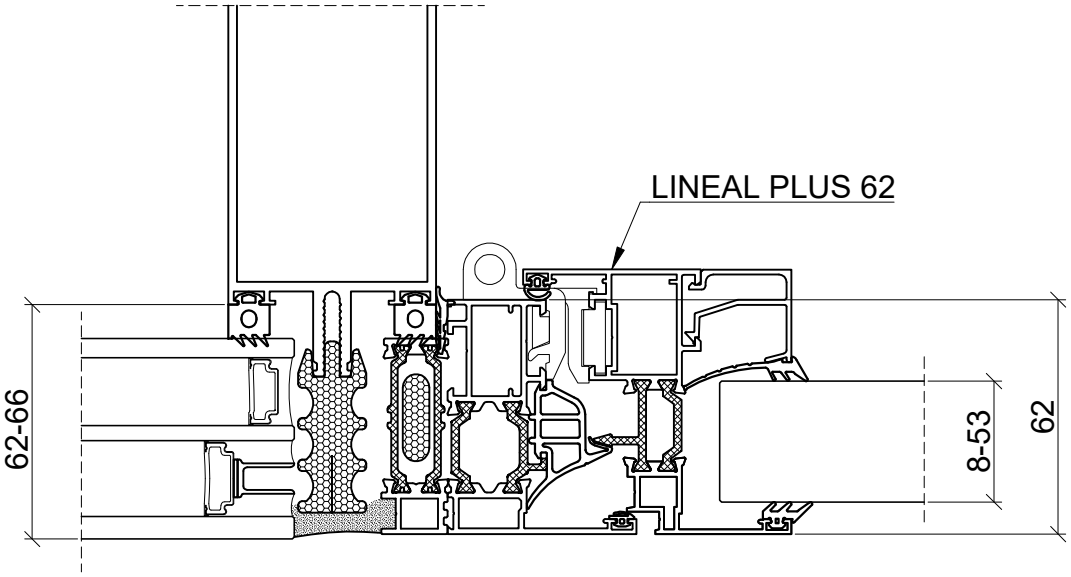

40+A
9
TMFG28
TMFL3
TMFA28
A=7mm-11mm
36
13

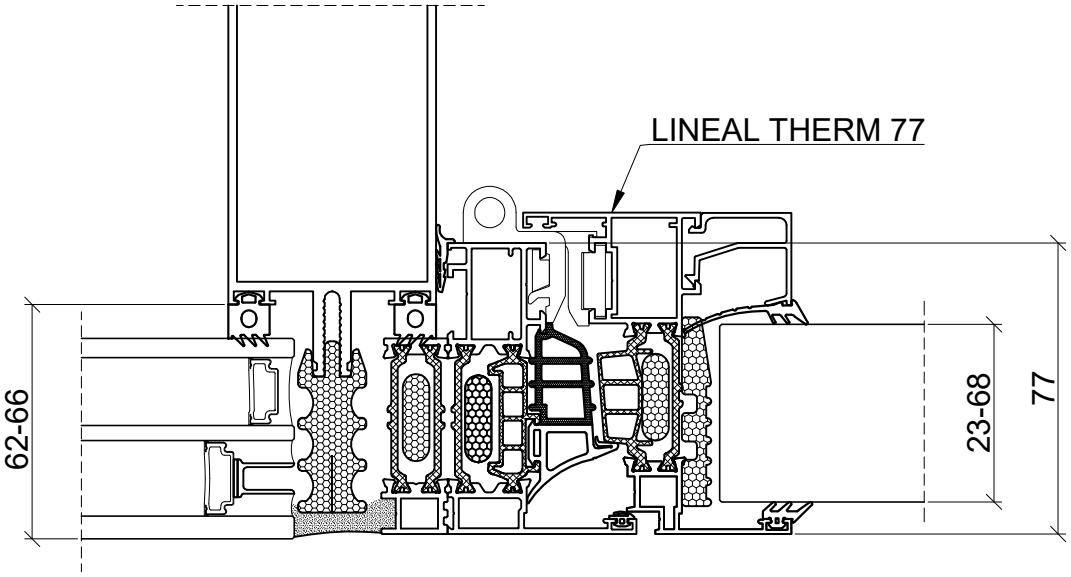

10mm (TMFG28)
20mm (TMFP18)
49+A
19
36
32-36mm
TMFA30
TMFL4
A=7mm-11mm


49+A
32-36mm
4mm (TMFG23)
26mm (TMFP18)
TMFL3
TMFA28
A=7mm-11mm
36
13


9mm (TMFG28)
12mm (TMFG29)
15mm (TMFG11)
6mm (TMFG27)
9mm (TMFG28)
12mm (TMFG29)
TMF332
TMF334
3
13
36
49+A
45
6
57-61mm
1-3mm
TMFL4
TMFA18
A=7mm-11mm

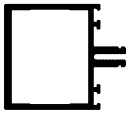
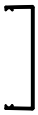
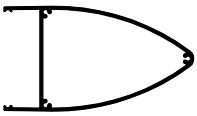

0,5mm (TMFG18)
3mm (TMFG23)
6mm (TMFG27)
49+A
A=7mm-11mm
36
13
3mm (TMFG23)
6mm (TMFG27)
9mm (TMFG28)
12mm (TMFG29)
15mm (TMFG11)
TMFA18
TMFL4
3
TMF332
TMF334
6
45
1-3mm
57-61mm


LINEAL PLUS 62
62-66
8-53
62

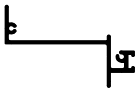
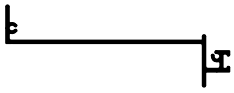

LINEAL THERM 77
62-66
23-68
77

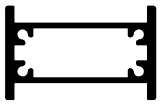
Sistem
System
Система

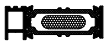
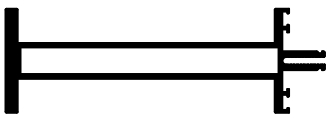
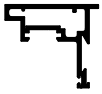
ALUMINIK CS55

	Oznaka Mark Марк	Opis Description Описание	x cm⁴ y Ix Iy	x cm³ y Wx Wy
	TMF2	Prečka Transom	26,2	7,18
	1,588	Транец	20,81	7,57
	TMF3	Potkapa Undercap	0,39	0,89
	0,430	Под крышкой	3,1	1,17
	TMF4	Kapa Cover Cap	0,4	0,27
	0,264	Декоративных накладок	4,33	1,57
	TMF5	Kapa Cover Cap	0,18	0,16
	0,238	Декоративных накладок	3,63	1,32
	TMF7	Stub / Prečka Mullion / Transom	0,59	0,44
	0,553	Средник / Транец	3,29	1,2
	TMF10	Stub Mullion	430,97	48,80
	3,641	Средник	58,75	21,36
	TMF71	Prečka Transom	340,59	38,57
	2,776	Транец	48,96	17,80
	TMF13	Dodatni profil Additional profile	-	-
	0,291	Дополнительные профиль	-	-
	TMF15	Kapa Cover Cap	14,05	5,70
	0,931	Декоративных накладок	30,43	6,04

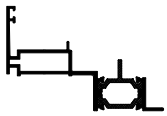
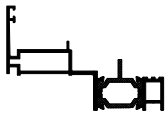
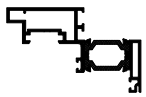
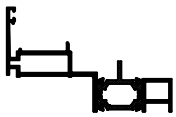
	Oznaka Mark Марк	Opis Description Описание	x cm⁴ y Ix Iy	x cm³ y Wx Wy
	TMF17	Kapa Cover Cap	-	-
	0,216	Декоративных накладок	-	-
	TMF18	Dodatni profil Additional profile	-	-
	0,215	Дополнительных профилей	-	-
	TMF19	Stub / Prečka Mullion / Transom	87,04	17,98
	1,928	Средник / Транец	35,15	12,78
	TMF20	Kapa Cover Cap	17,65	6,42
	0,963	Декоративных накладок	17,42	4,30
	TMF21	Prečka Transom	123,45	20,77
	2,138	Транец	34,86	12,68
	TMF23	Stub Mullion	143,66	22,10
	2,452	Средник	14,55	5,94
	TMF24	Stub Mullion	133,34	21,44
	2,320	Средник	13,41	5,28
	TMF25	Kotva Bracket	269,62	31,72
	6,249	Анкер	393,13	49,64
	TMF26	Dodatni profil Additional profile	-	-
	0,445	Дополнительных профилей	-	-

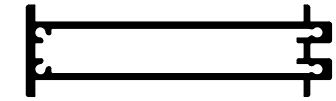
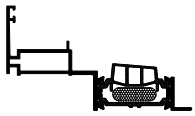
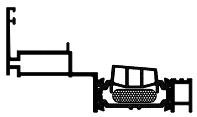
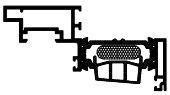
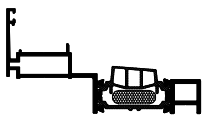
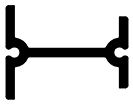
	Oznaka Mark Марк	Opis Description Описание	x cm⁴ y Ix Iy	x cm³ y Wx Wy
	TMF27	Kapa Cover Cap	0,12	0,13
	0,209	Декоративных накладок	2,79	0,93
	TMF30	Dodatni profil Additional profile	-	-
	0,515	Дополнительные профиль	-	-
	TMF31	Dodatni profil Additional profile	-	-
	0,693	Дополнительные профиль	-	-
	TMF33	Potkapa Undercap	0,1	0,04
	0,507	Под крышкой	5,02	0,64
	TMF35	Strukturalni ram stakla Structural glazing edge profile	-	-
	0,461	Структурное остекление профильной кромки	-	-
	TMF36	Nosač stakla Glazing bracket	-	-
	0,816	Остекление держатель	-	-
	TMF37	Nosač stakla Glazing bracket	-	-
	0,145	Остекление держатель	-	-
	TMF41	Kapa Cover Cap	0,14	0,26
	0,591	Декоративных накладок	2,61	1,05
	TMF42	Dodatni profil Additional profile	-	-
	0,250	Дополнительные профиль	-	-

	Oznaka Mark Марк	Opis Description Описание	x cm⁴ y Ix Iy	x cm³ y Wx Wy
	TMF43	Dodatni profil Additional profile	83,47	21,13
	2,309	Профиль укрепление	15,37	6,27
	TMF44	Dodatni profil Additional profile	-	-
	0,358	Дополнительные профиль	-	-
	TMF60	Distancer 15mm Spacer 15mm	0,36	0,48
	0,380	Прокладка 15мм	0,28	0,31
	TMF59	Distancer 19mm Spacer 19mm	0,67	0,64
	0,399	Прокладка 19мм	0,28	0,31
	TMF45	Distancer 25mm Spacer 25mm	1,06	0,85
	0,520	Прокладка 25мм	0,45	0,48
	TMF46	Distancer 29mm Spacer 29mm	1,54	1,04
	0,539	Прокладка 29мм	0,45	0,48
	TMF47	Distancer 33mm Spacer 33mm	2,14	1,22
	0,556	Прокладка 33мм	0,45	0,48
	TMF48	Distancer 37mm Spacer 37mm	2,84	1,41
	0,575	Прокладка 37мм	0,45	0,48
	TMF49	Distancer 45mm Spacer 45mm	4,58	1,79
	0,619	Прокладка 45мм	0,45	0,48

	Oznaka Mark Марк	Opis Description Описание	x cm⁴ y Ix Iy	cm³ x y Wx Wy
	TMF50	Distancer 48mm Spacer 48mm	5,35	2,04
	0,620	Прокладка 48мм	0,45	0,48
	TMF51	Distancer 52mm Spacer 52mm	6,47	2,14
	0,647	Прокладка 52мм	0,45	0,48
	TMF52	Distancer 59mm Spacer 59mm	8,70	2,48
	0,681	Прокладка 59мм	0,45	0,48
	TMF54	Kapa Cover Cap	204,59	22,33
	2,088	Декоративных накладок	30,69	11,16
	TMF57	Stub / Prečka Mullion / Transom	494,175	52,02
	3,868	Средник / Транец	20,671	7,52
	TMF58	Kapa Cover Cap	0,164	0,15
	0,253	Декоративных накладок	3,689	1,34
	TMF61	Kapa Cover Cap	1,37	1,32
	0,841	Декоративных накладок	10,272	3,73
	TMF62	Profil rama Frame profile	2,8	1,32
	0,514	Профильная рама	1,8	0,73
	TMF63	Krilo Sash	6,16	2,22
	0,797	Оконная створка	4,20	1,38

	Oznaka Mark Марк	Opis Description Описание	x cm⁴ y Ix Iy	x cm³ y Wx Wy
	TMF64	Strukturalni ram stakla Structural glazing edge profile	-	-
	0,145	Структурное остекление профильной кромки	-	-
	TMF65	Dodatni profil Additional profile	-	-
	0,116	Дополнительных профилей	-	-
	TMF75	Stub Mullion	74,06	14,78
	2,097	Средник	30,2	10,98
	TMF81	Prečka Transom	30,45	6,10
	1,961	Транец	75,75	27,55
	TMF89	Dodatni profil Additional profile	92,8	19,93
	2,235	Профиль укрепление	14,58	5,95
	TMF95	Nosač stakla Glazing bracket	1,78	1,17
	1,376	Остекление держатель	18,12	5,26
	TMF100	Stub Mullion	147,83	23,35
	2,482	Средник	38,72	14,08
	TMF106	Prečka Transom	140,88	22,68
	2,317	Транец	39,36	14,31
	TMF113	Dodatni profil Additional profile	172,33	29,59
	2,744	Профиль укрепление	18,16	7,41

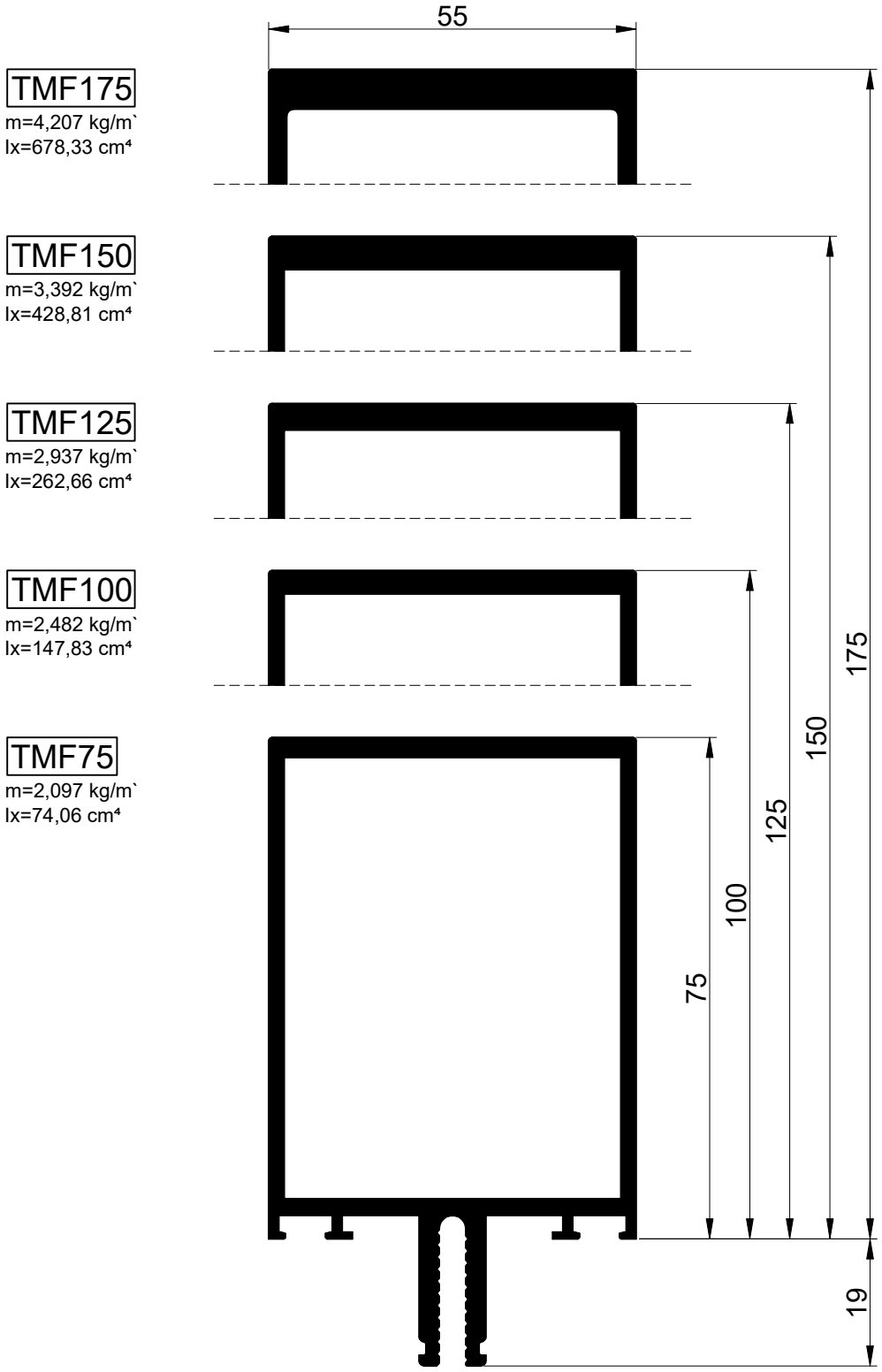
	Oznaka Mark Марк	Opis Description Описание	x cm⁴ y Ix Iy	x cm³ y Wx Wy
	TMF125	Stub Mullion	262,66	34,70
	2,937	Средник	47,78	17,37
	TMF131	Prečka Transom	232,66	31,3
	2,633	Транец	47,35	17,22
	TMF132	Profil rama Frame profile	26,77	5,34
	1,133	Профильная рама	1,82	0,54
	TMF133	Profil rama Frame profile	34,57	7,54
	1,237	Профильная рама	2,24	0,65
	TMF134	Krilo Sash	20,87	5,45
	1,175	Оконная створка	2,04	0,75
	TMF137	Dodatni profil Additional profile	278,28	39,65
	3,074	Профиль укрепление	20,61	8,41
	TMF150	Stub Mullion	428,81	47,15
	3,392	Средник	56,83	20,67
	TMF153	Profil rama Frame profile	34,57	7,54
	1,273	Профильная рама	2,24	0,65
	TMF156	Prečka Transom	354,36	40,91
	2,949	Транец	55,34	20,12

	Oznaka Mark Марк	Opis Description Описание	x cm⁴ y Ix Iy	x cm³ y Wx Wy
	TMF161	Dodatni profil Additional profile	415,97	50,73
	3,564	Профиль укрепление	22,56	9,40
	TMF175	Stub Mullion	678,33	63,73
	4,207	Средник	74,07	26,93
	TMF181	Prečka Transom	526,72	53,08
	3,455	Транец	67,67	24,61
	TMF332	Profil rama Frame profile	35,52	5,67
	1,253	Профильная рама	2,12	0,63
	TMF333	Profil rama Frame profile	47,48	8,35
	1,357	Профильная рама	2,51	0,73
	TMF334	Krilo Sash	31,68	7,32
	1,295	Оконная створка	2,21	0,81
	TMF353	Profil rama Frame profile	52,16	8,75
	1,402	Профильная рама	2,67	0,77
	TM58	Umetak Insert	20,22	8,15
	1,525	Вставить	8,25	3,08
	TM64	Dodatni profil Additional profile	37,39	10,87
	1,659	Профиль укрепление	5,80	2,37

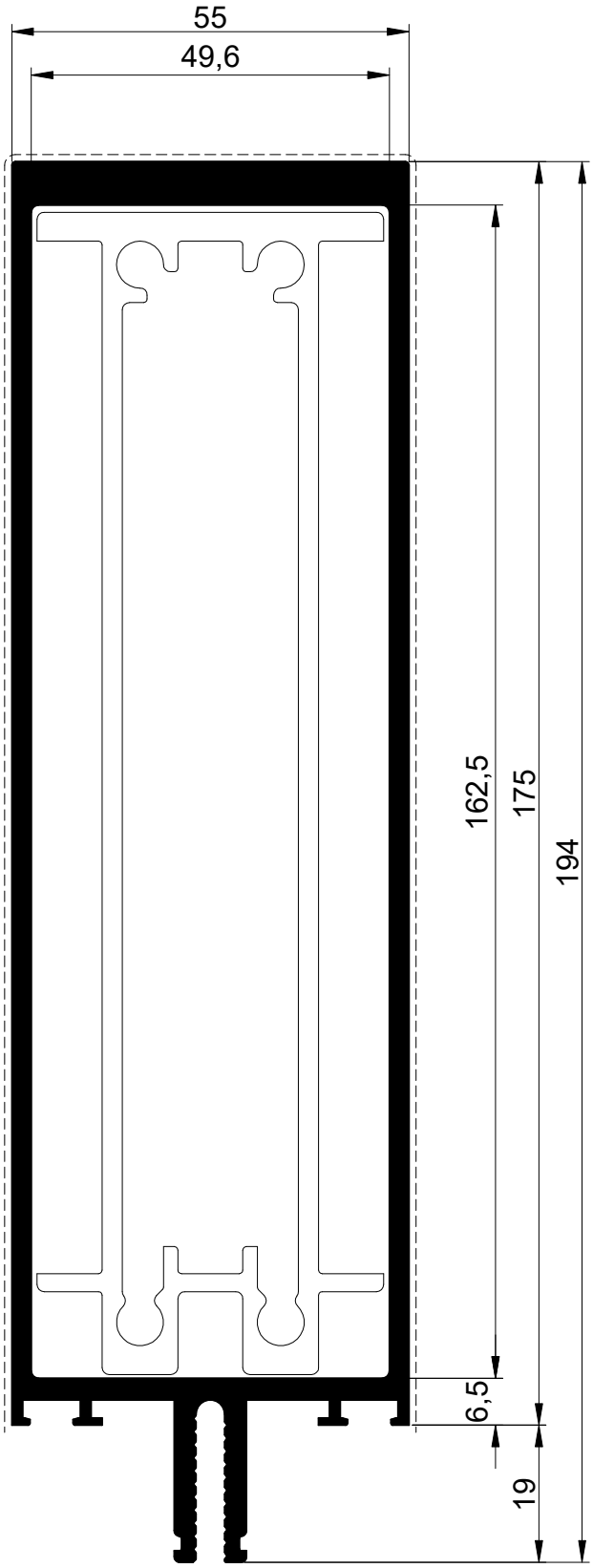
	Oznaka Mark Марк	Opis Description Описание	x cm⁴ y Ix Iy	x cm³ y Wx Wy
	TM79	Strukturalni ram stakla Structural glazing edge profile	-	-
	0,113	Структурное остекление профильной кромки	-	-
	TM86	Umetak Insert	9,17	3,61
	1,011	Вставить	10,34	4,84
	TM87	Umetak Insert	14,64	5,94
	1,266	Вставить	5,28	2,36
	L1030	Nosač stakla Glazing bracket	-	-
	0,209	Остекление держатель	-	-
	FL120-5	Dodatni profil Additional profile	-	-
	1,650	Профиль укрепление	-	-
	109	Nosač stakla Glazing bracket	-	-
	0,065	Остекление держатель	-	-
	111	Spojnica Joint	49,165	8,17
	2,211	Связь	49,165	8,17

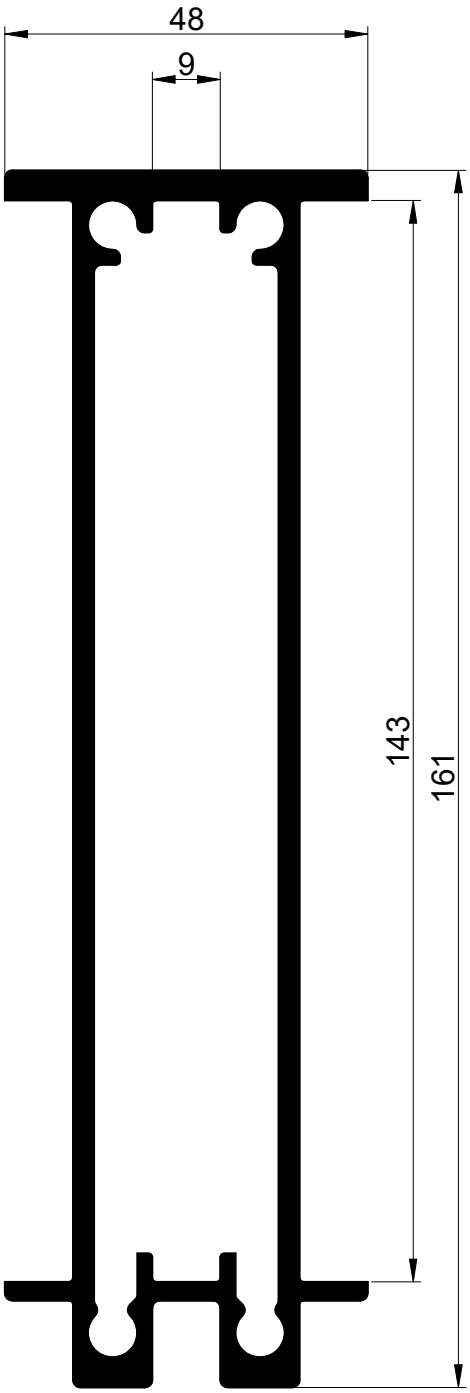
Aluminijumski profili
Aluminium profiles
Алюминиевые профили

ALUMINIK CS55



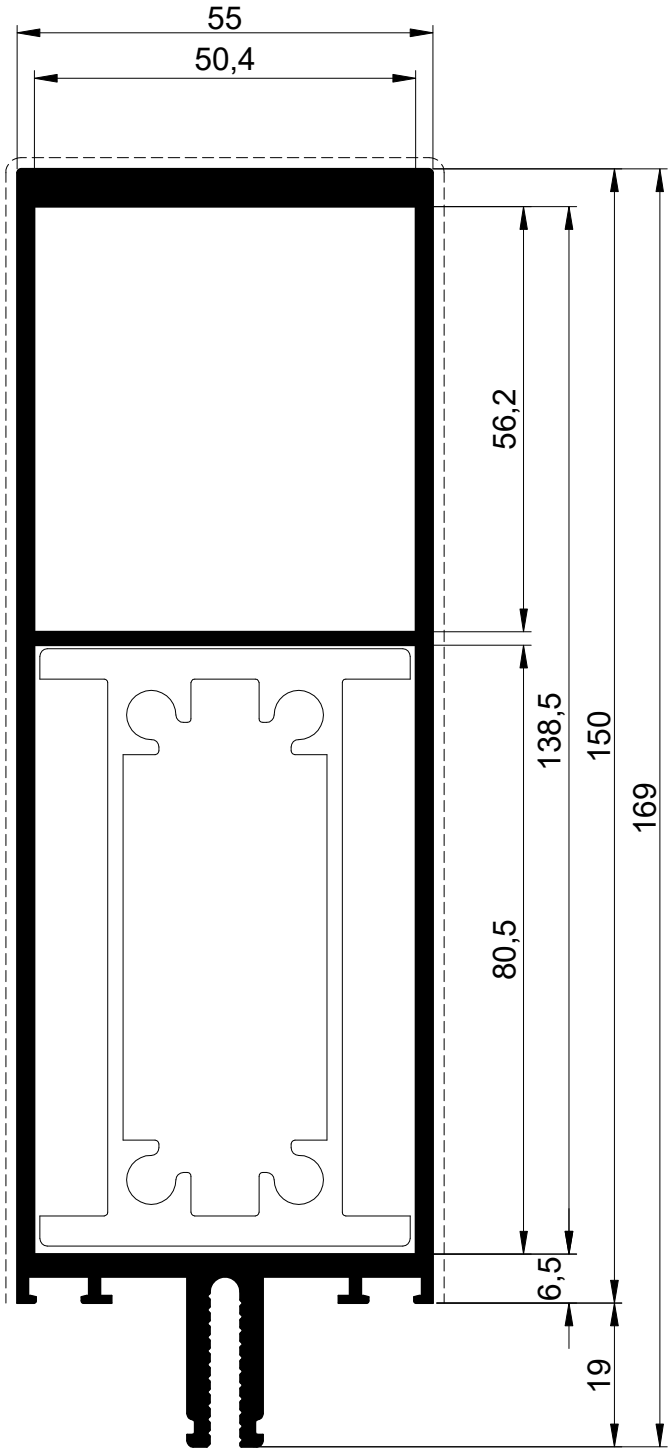
Stub
Mullion
Средник

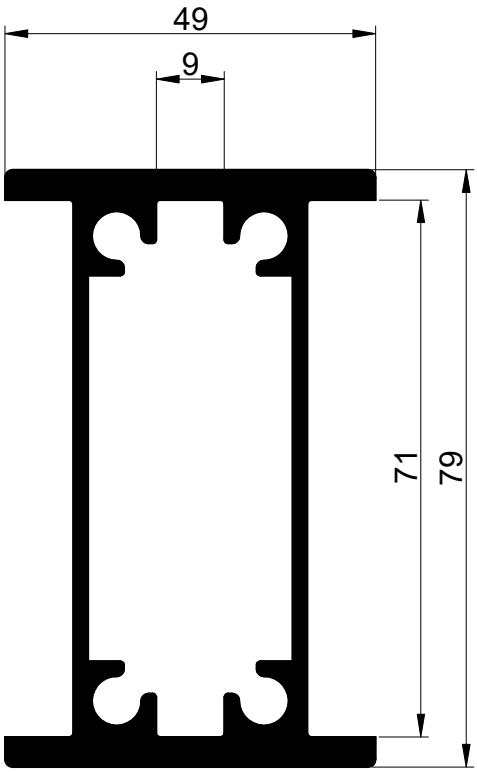




TMF175	4,207	kg/m`
S	15,30	cm^2
Ix	678,33	cm^4
Iy	74,07	cm^4
Wx	63,73	cm^3
Wy	26,93	cm^3

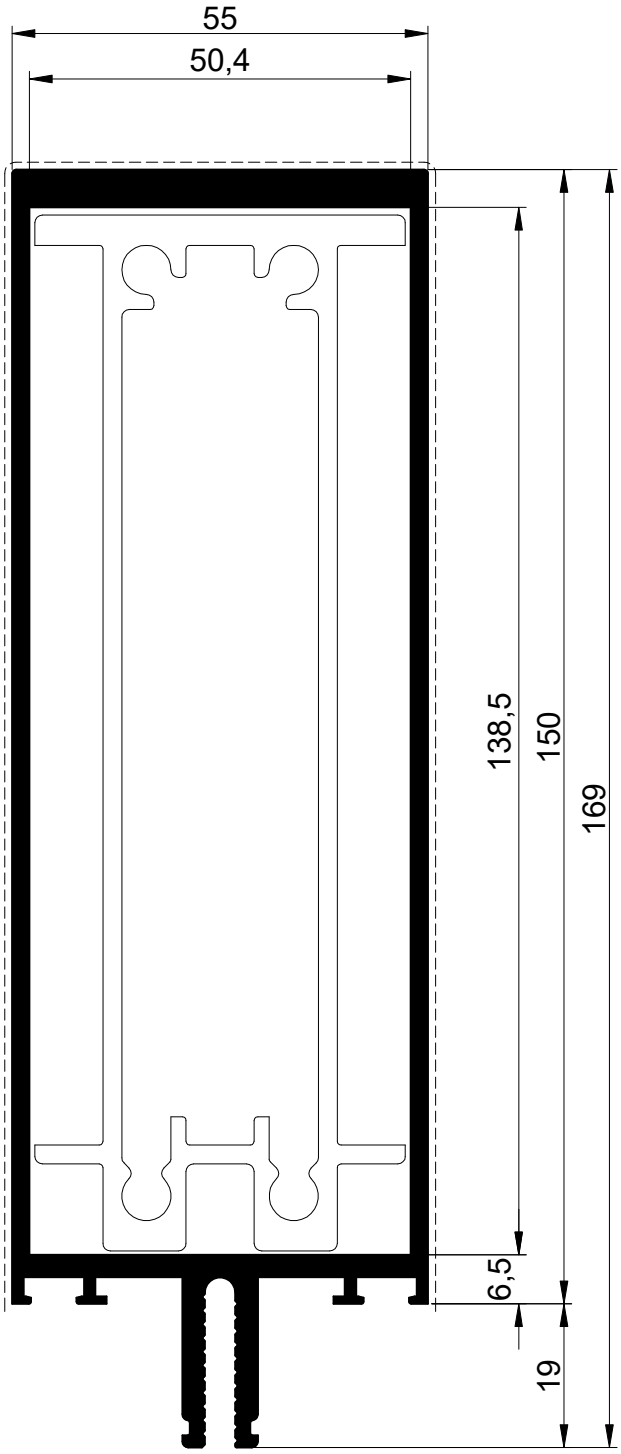
TMF161	3,564	kg/m`
S	12,959	cm^2
Ix	415,97	cm^4
Iy	22,56	cm^4
Wx	50,73	cm^3
Wy	9,40	cm^3

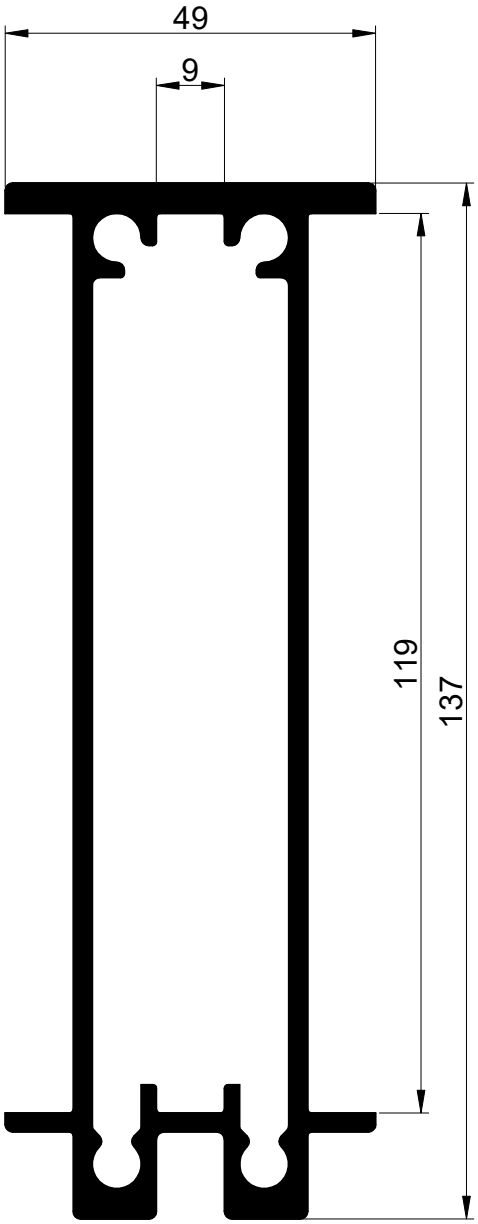




TMF10	3,641	kg/m`
S	13,24	cm^2
Ix	430,97	cm^4
Iy	58,75	cm^4
Wx	48,80	cm^3
Wy	21,36	cm^3

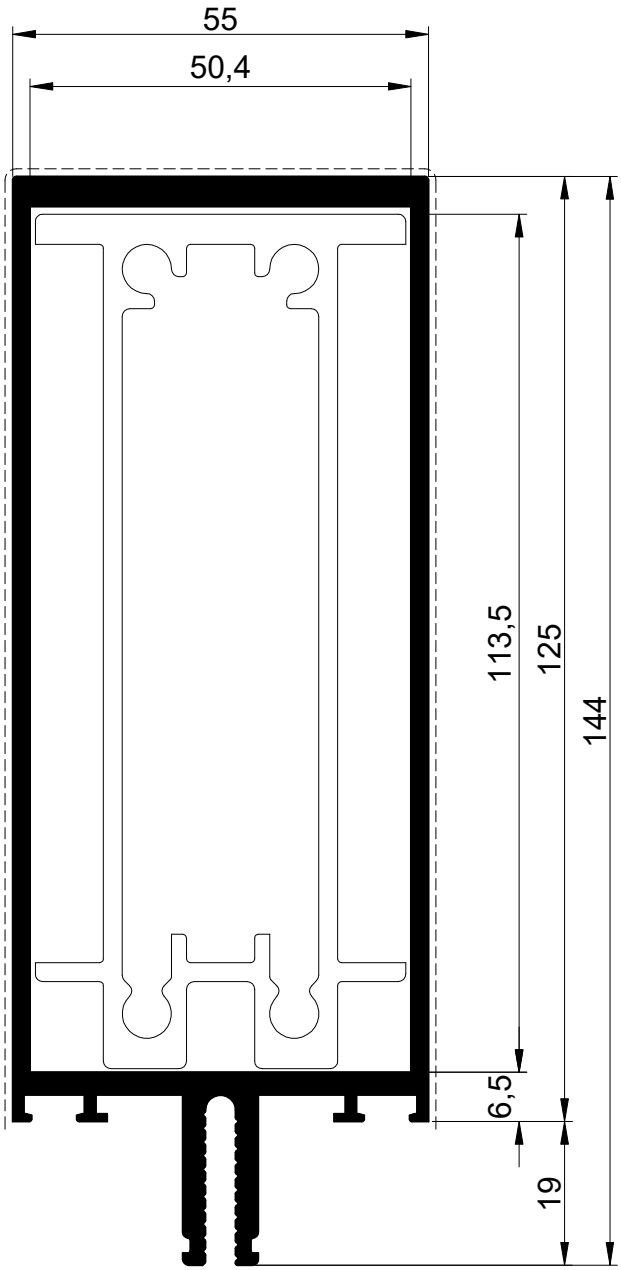
TMF43	2,309	kg/m`
S	8,40	cm^2
Ix	83,47	cm^4
Iy	15,37	cm^4
Wx	21,13	cm^3
Wy	6,27	cm^3

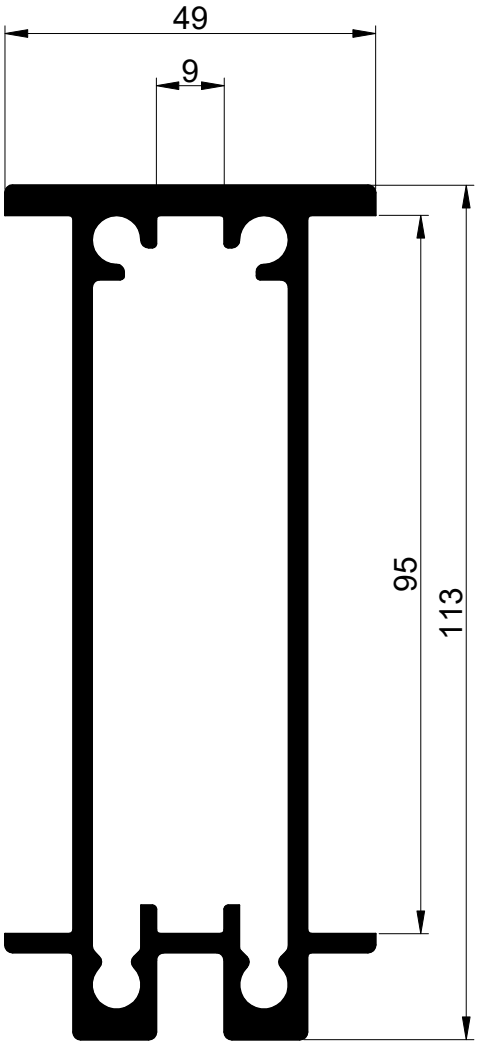




TMF150	3,392	kg/m`
S	12,33	cm^2
Ix	428,81	cm^4
Iy	56,83	cm^4
Wx	47,15	cm^3
Wy	20,67	cm^3

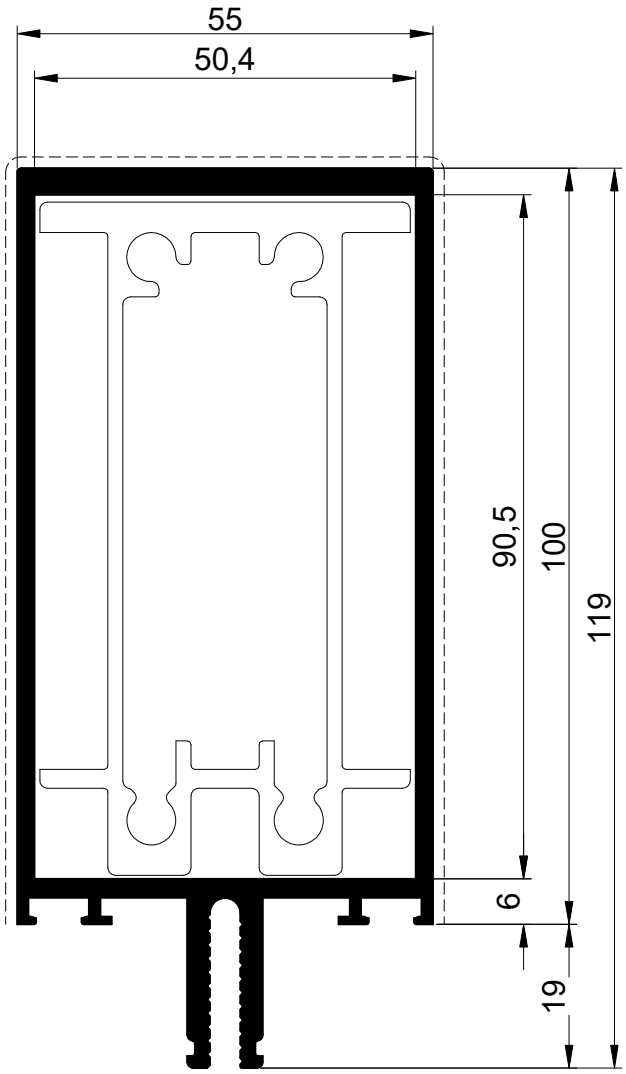
TMF137	3,074	kg/m`
S	11,178	cm^2
Ix	278,28	cm^4
Iy	20,61	cm^4
Wx	39,65	cm^3
Wy	8,41	cm^3

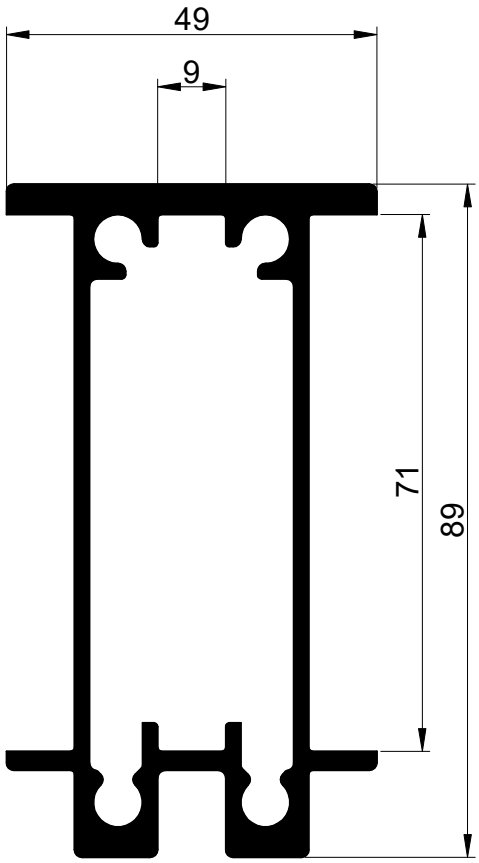




TMF125	2,937	kg/m`
S	10,68	cm^2
Ix	262,66	cm^4
Iy	47,78	cm^4
Wx	34,70	cm^3
Wy	17,37	cm^3

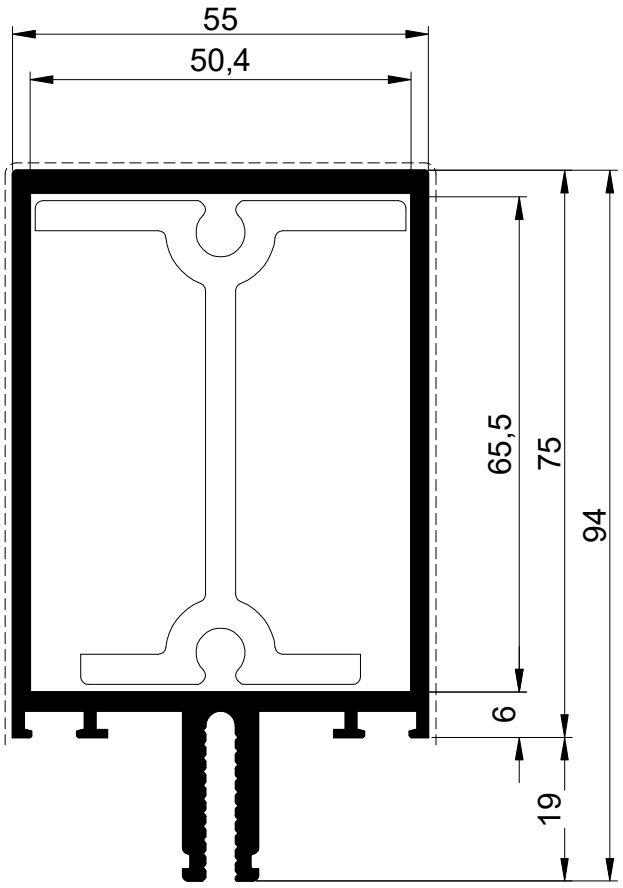
TMF113	2,744	kg/m`
S	9,998	cm^2
Ix	172,33	cm^4
Iy	18,16	cm^4
Wx	29,59	cm^3
Wy	7,41	cm^3

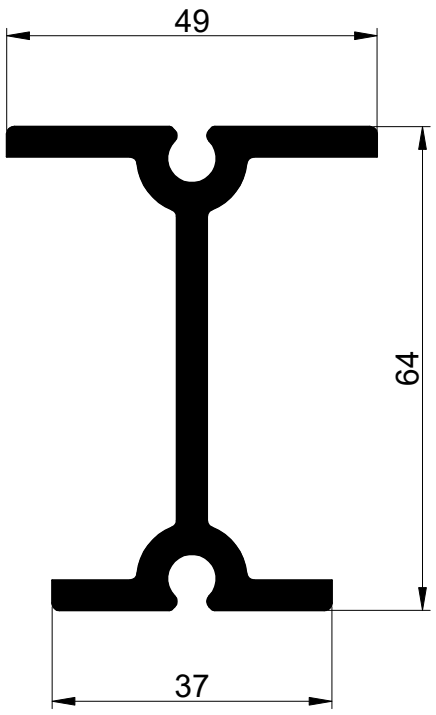




TMF100	2,482	kg/m`
S	9,03	cm^2
Ix	147,83	cm^4
Iy	38,72	cm^4
Wx	23,35	cm^3
Wy	14,08	cm^3

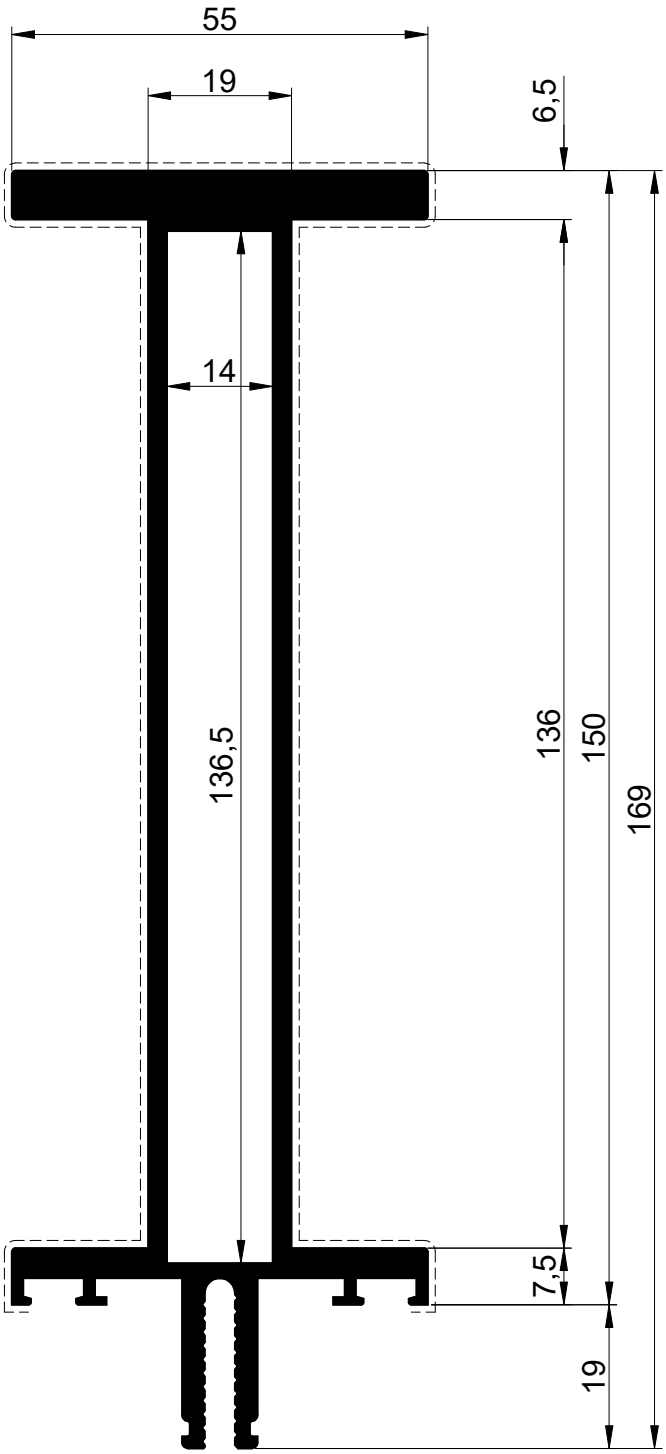
TMF89	2,235	kg/m`
S	8,129	cm^2
Ix	92,80	cm^4
Iy	14,58	cm^4
Wx	19,93	cm^3
Wy	5,95	cm^3



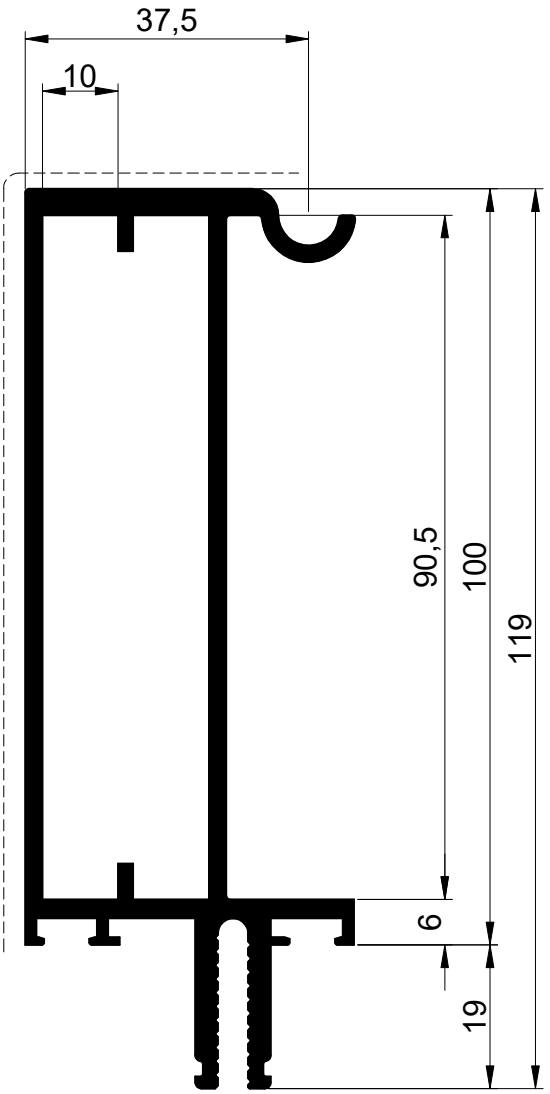


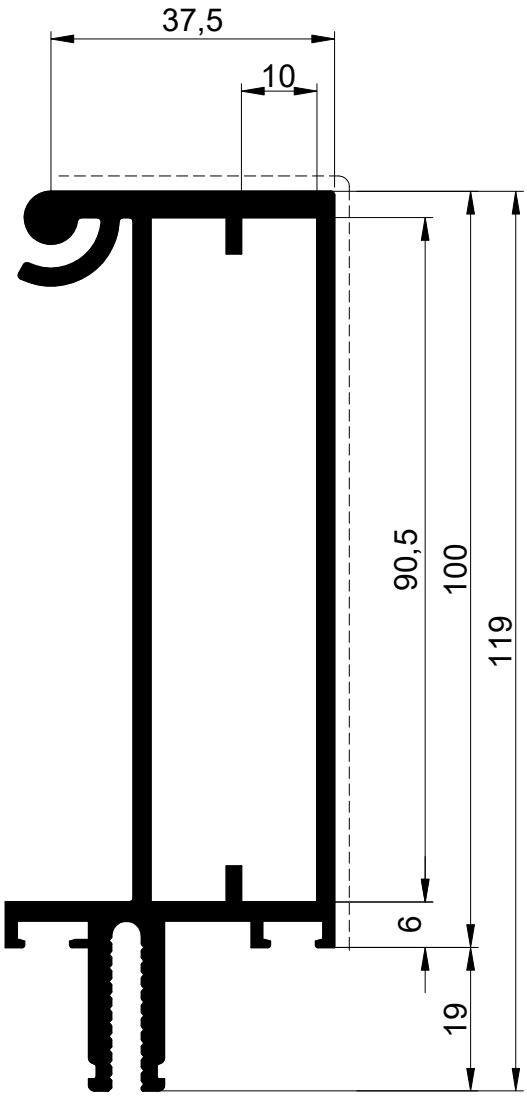
TMF75	2,097	kg/m`
S	7,624	cm^2
Ix	74,06	cm^4
Iy	30,20	cm^4
Wx	14,78	cm^3
Wy	10,98	cm^3

TM64	1,659	kg/m`
S	6,033	cm^2
Ix	37,39	cm^4
Iy	5,80	cm^4
Wx	10,87	cm^3
Wy	2,37	cm^3



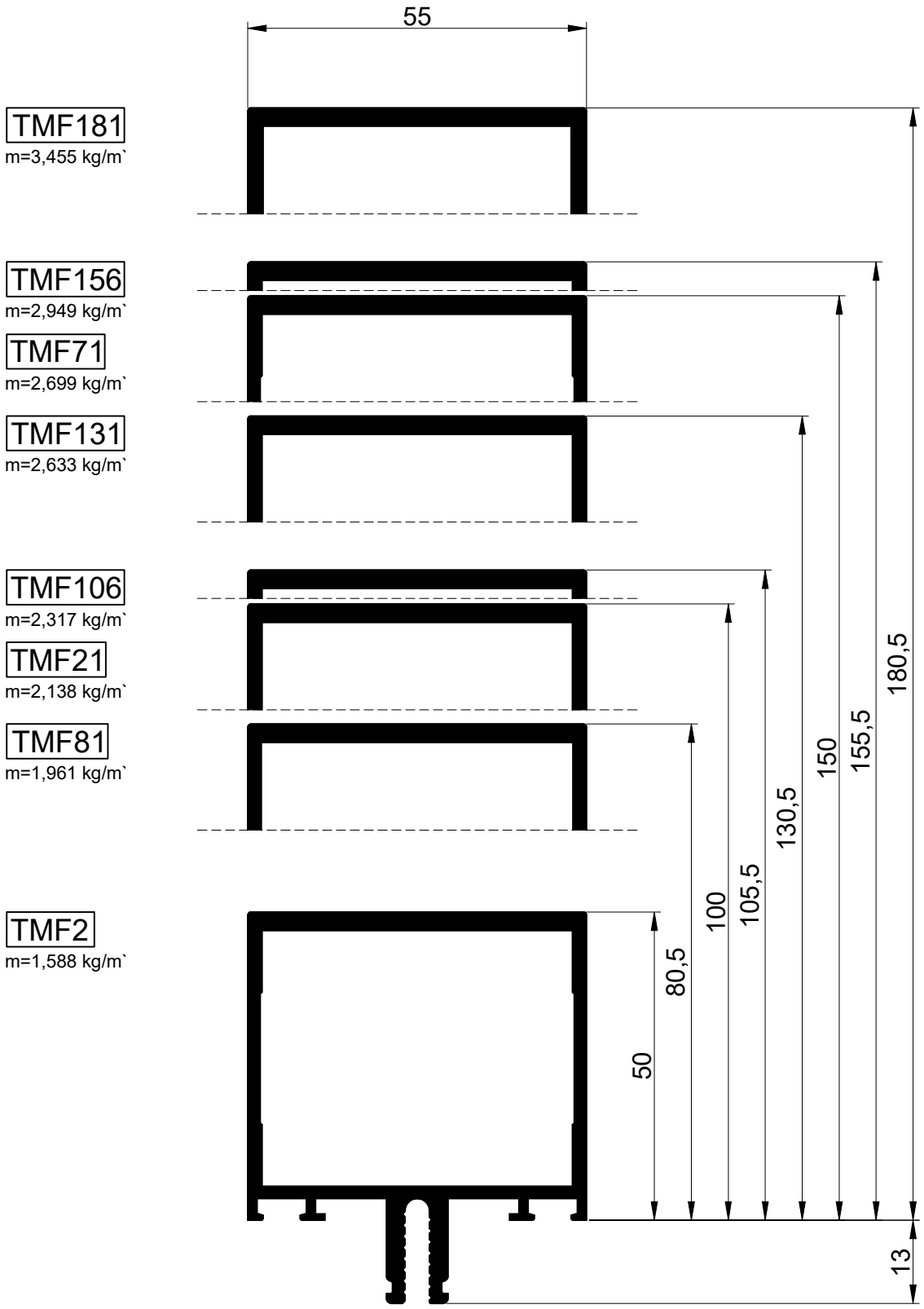
TMF57	3,868	kg/m`
S	14,07	cm^2
Ix	494,18	cm^4
Iy	20,67	cm^4
Wx	52,02	cm^3
Wy	7,52	cm^3

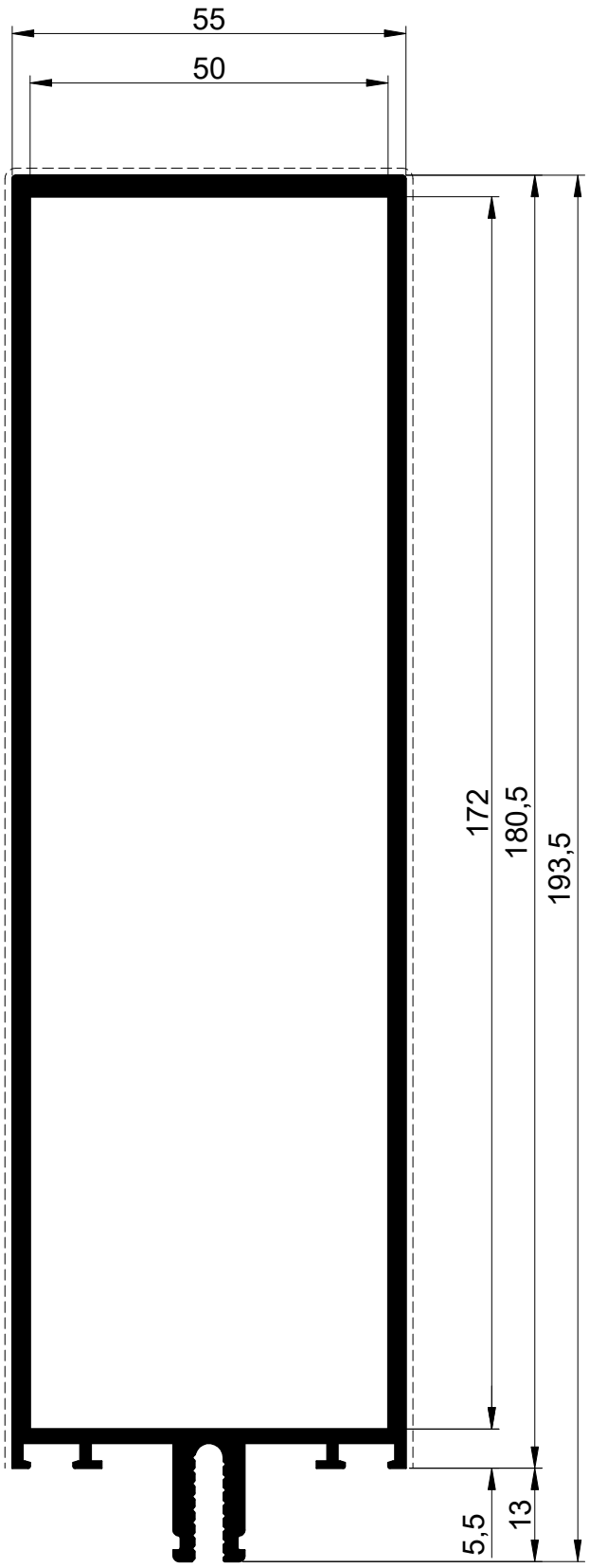




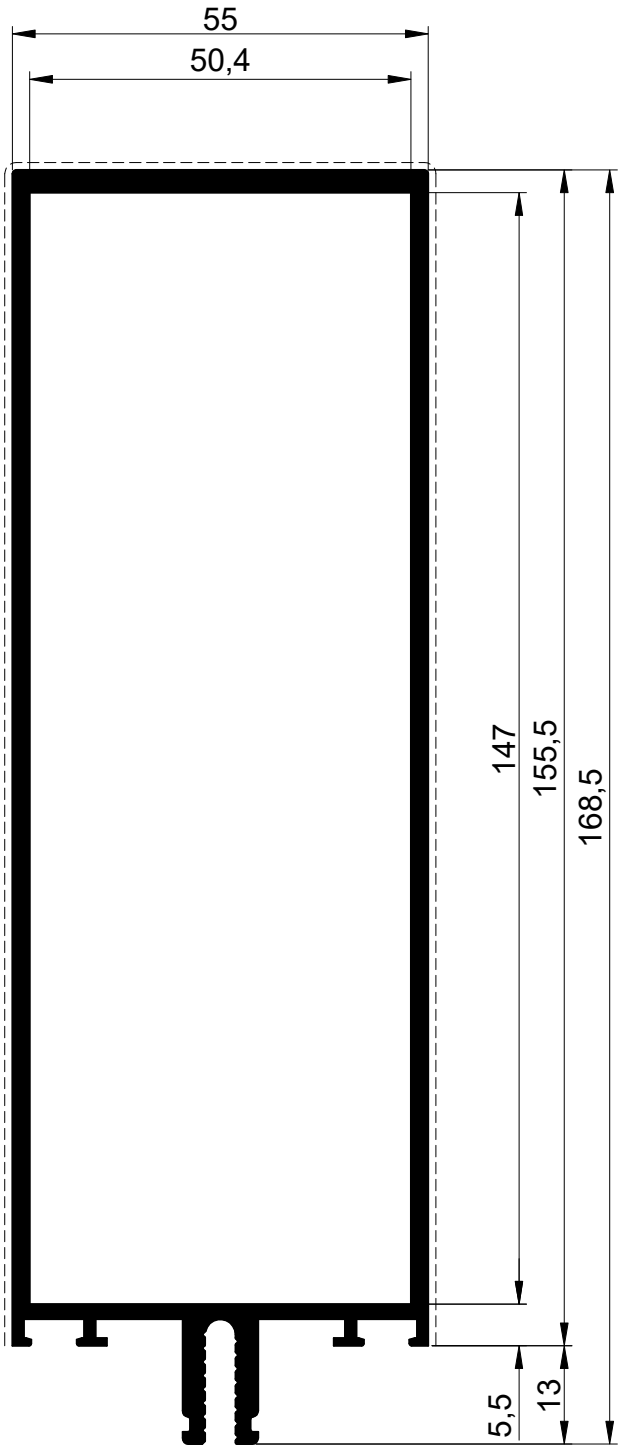
TMF24	2,320	kg/m`
S	8,44	cm^2
Ix	131,61	cm^4
Iy	13,42	cm^4
Wx	21,18	cm^3
Wy	5,29	cm^3

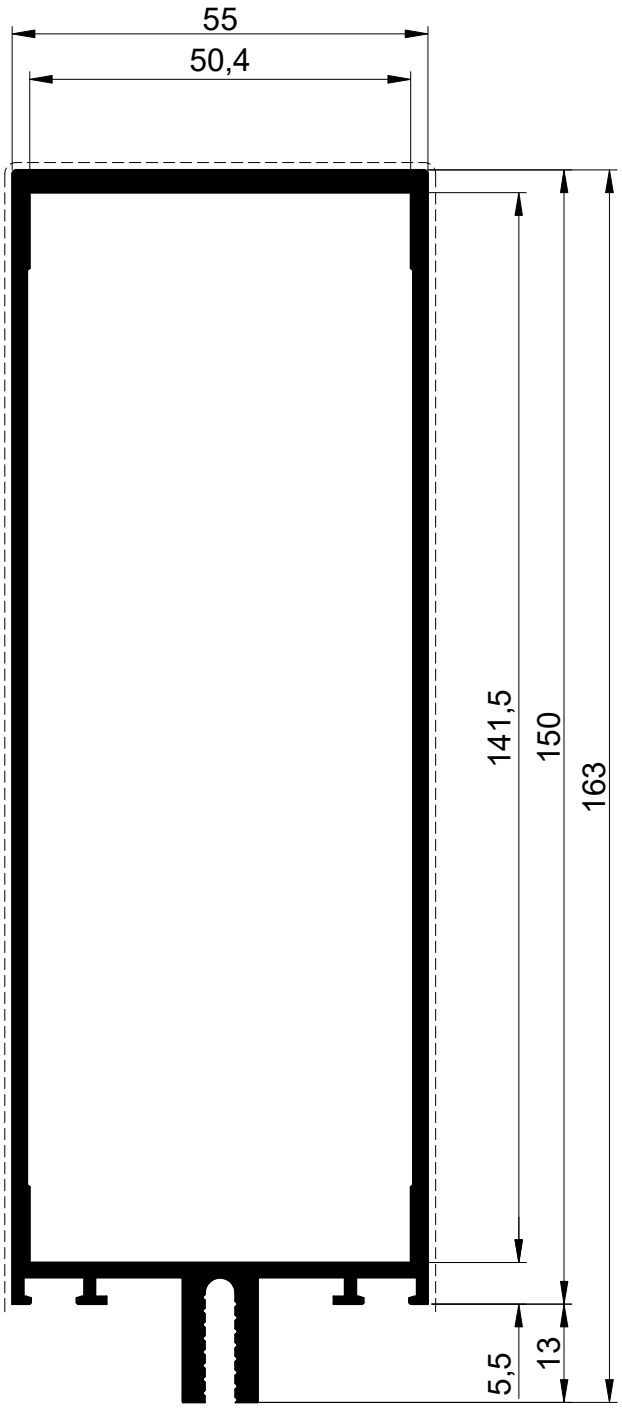
TMF23	2,452	kg/m`
S	8,92	cm^2
Ix	143,58	cm^4
Iy	14,63	cm^4
Wx	22,10	cm^3
Wy	5,98	cm^3


55
TMF181
m=3,455 kg/m`
TMF156
m=2,949 kg/m`
TMF71
m=2,699 kg/m`
TMF131
m=2,633 kg/m`
TMF106
m=2,317 kg/m`
TMF21
m=2,138 kg/m`
TMF81
m=1,961 kg/m`
TMF2
m=1,588 kg/m`
50
80,5
100
105,5
130,5
150
155,5
180,5
13
Prečka
Transom
Транец



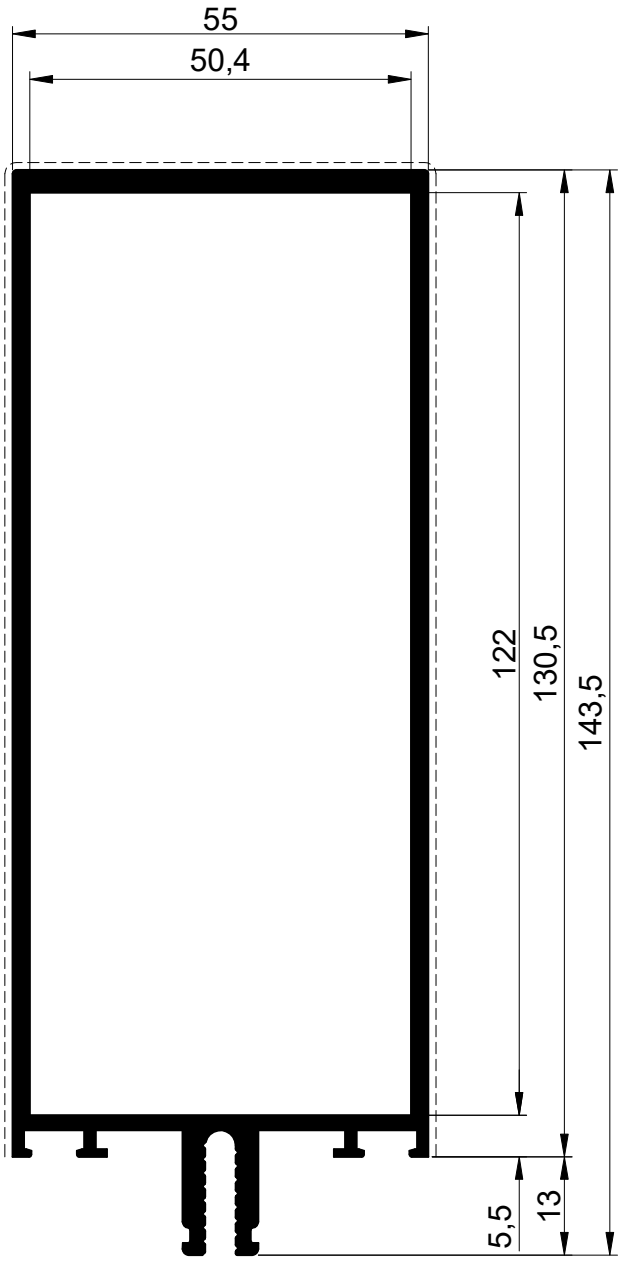
TMF181	3,455	kg/m`
S	12,56	cm^2
Ix	526,72	cm^4
Iy	67,67	cm^4
Wx	53,08	cm^3
Wy	24,61	cm^3

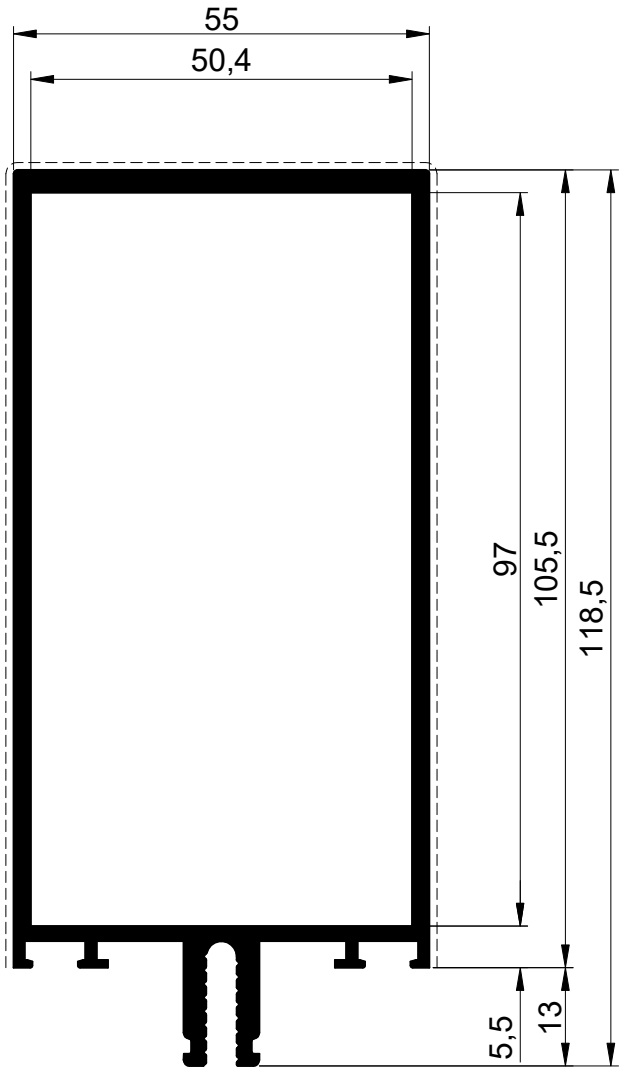




TMF156	2,949	kg/m`
S	10,72	cm^2
Ix	354,36	cm^4
Iy	55,34	cm^4
Wx	40,91	cm^3
Wy	20,12	cm^3

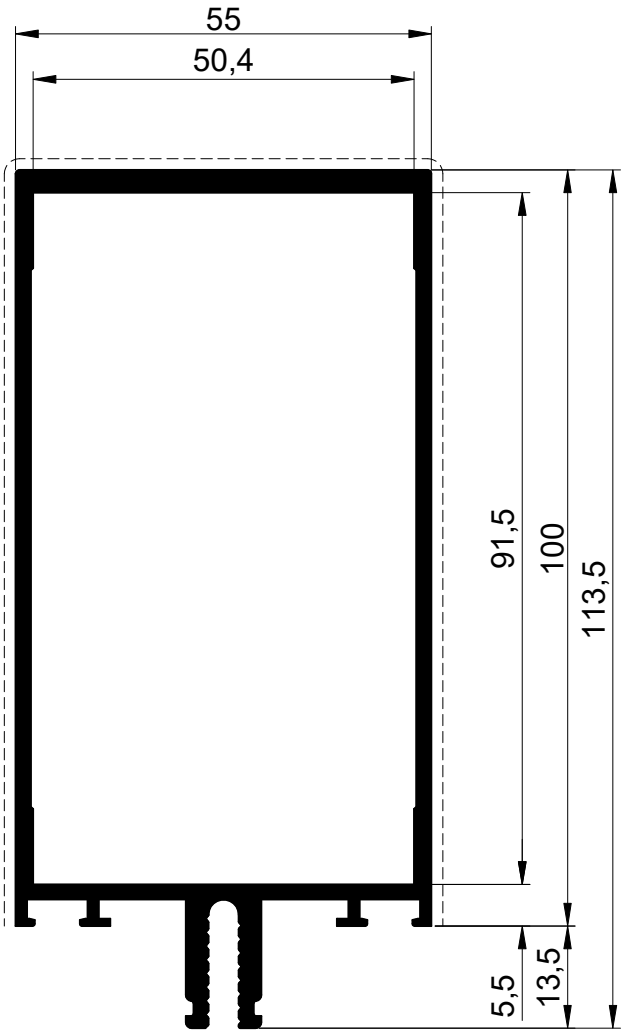
TMF71	2,699	kg/m`
S	9,816	cm^2
Ix	320,51	cm^4
Iy	48,92	cm^4
Wx	3,83	cm^3
Wy	1,78	cm^3





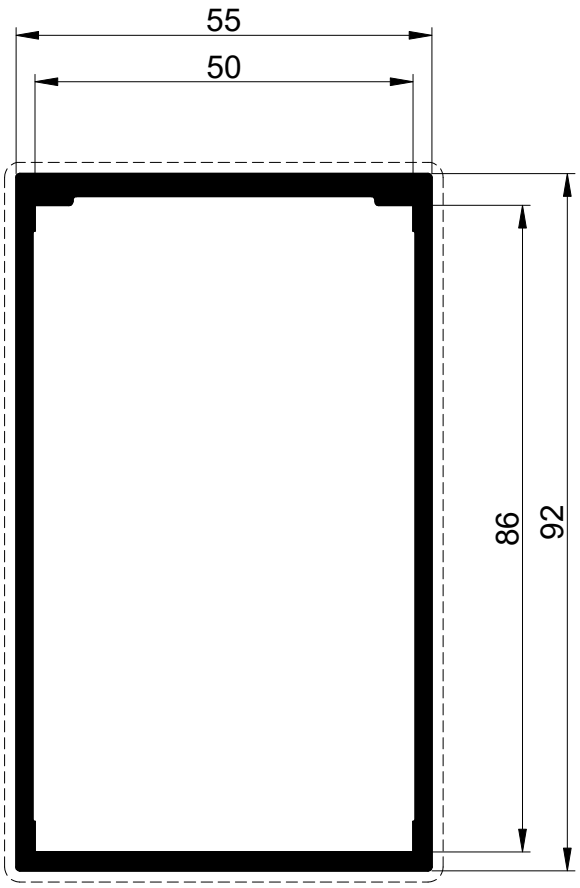
TMF131	2,633	kg/m`
S	9,57	cm^2
Ix	232,66	cm^4
Iy	47,35	cm^4
Wx	31,30	cm^3
Wy	17,22	cm^3

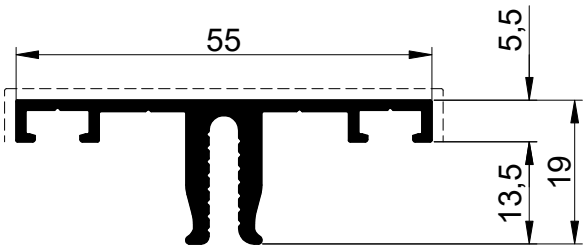
TMF106	2,317	kg/m`
S	8,42	cm^2
Ix	140,88	cm^4
Iy	39,36	cm^4
Wx	22,68	cm^3
Wy	14,31	cm^3



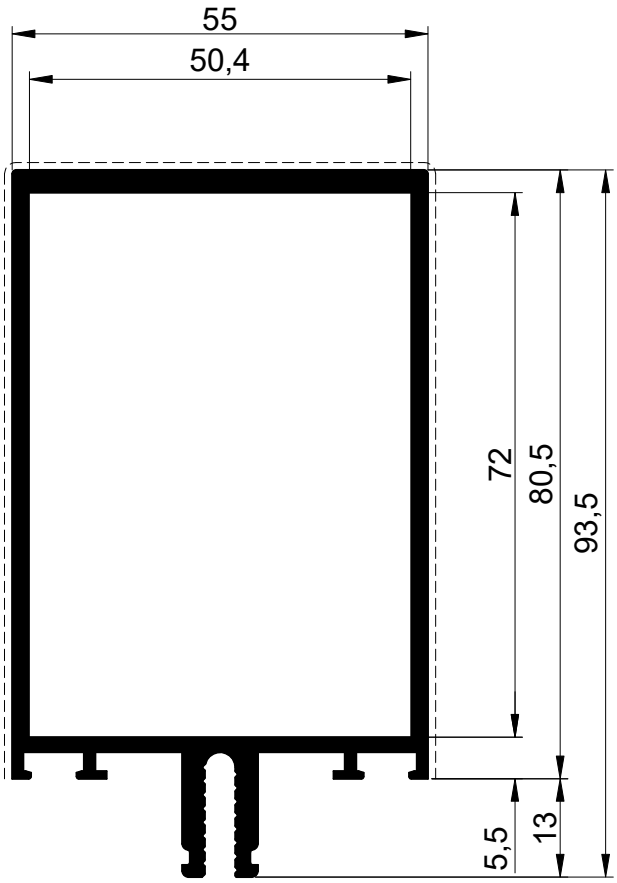
TMF21	2,138	kg/m`
S	7,77	cm^2
Ix	123,45	cm^4
Iy	34,86	cm^4
Wx	20,77	cm^3
Wy	12,68	cm^3

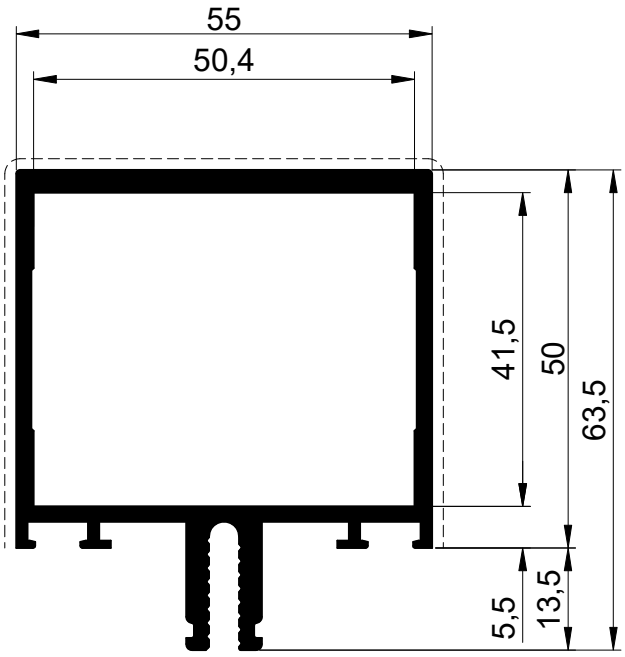
TMF19	1,928	kg/m`
S	7,01	cm^2
Ix	87,04	cm^4
Iy	35,15	cm^4
Wx	17,98	cm^3
Wy	12,78	cm^3





TMF7	0,553	kg/m`
S	2,01	cm^2
Ix	0,59	cm^4
Iy	3,29	cm^4
Wx	0,44	cm^3
Wy	1,20	cm^3

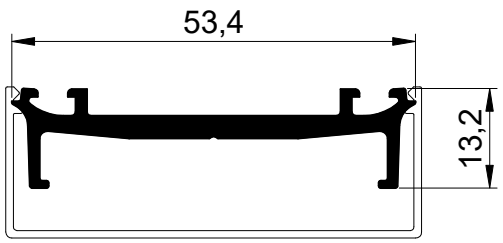




TMF81	1,961	kg/m`
S	7,130	cm^2
Ix	74,75	cm^4
Iy	30,45	cm^4
Wx	14,98	cm^3
Wy	11,07	cm^3

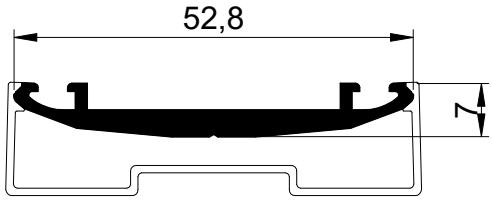
TMF2	1,588	kg/m`
S	5,77	cm^2
Ix	26,20	cm^4
Iy	20,81	cm^4
Wx	7,18	cm^3
Wy	7,57	cm^3

za/*for*/для:
TMF4
TMF5

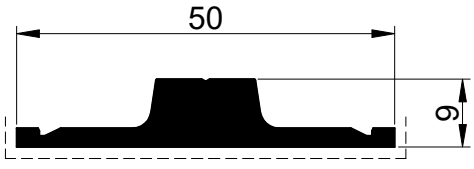


TMF33	0,507	kg/m`
S	1,84	cm^2
Ix	0,10	cm^4
Iy	5,02	cm^4
Wx	0,04	cm^3
Wy	0,64	cm^3

za/*for*/для:
TMF15
TMF20
TMF27
TMF54

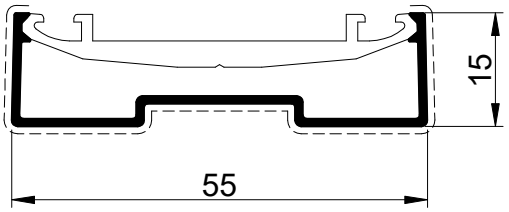


TMF3	0,430	kg/m`
S	1,56	cm^2
Ix	0,39	cm^4
Iy	3,10	cm^4
Wx	0,89	cm^3
Wy	1,17	cm^3



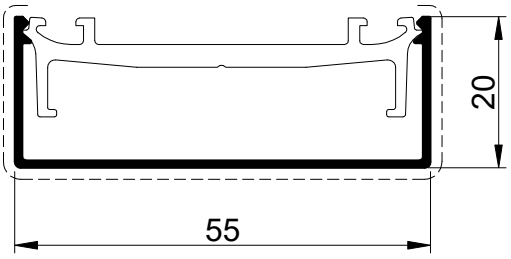
TMF41	0,591	kg/m`
S	2,15	cm^2
Ix	0,14	cm^4
Iy	2,61	cm^4
Wx	0,26	cm^3
Wy	1,05	cm^3

sa/with/c:
TMF3



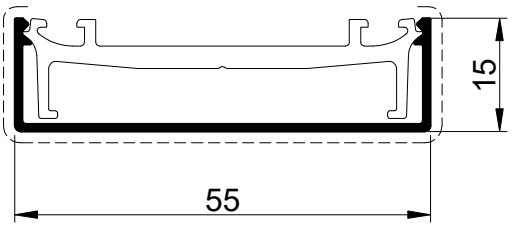
TMF58	0,253	kg/m`
S	0,92	cm^2
Ix	0,16	cm^4
Iy	3,69	cm^4
Wx	0,15	cm^3
Wy	1,34	cm^3

sa/with/c:
TMF33



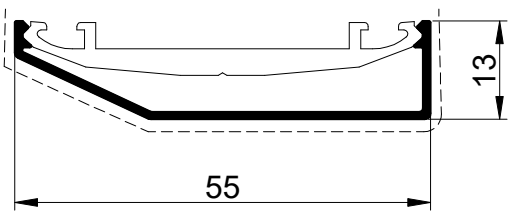
TMF4	0,264	kg/m`
S	0,96	cm^2
Ix	0,40	cm^4
Iy	4,33	cm^4
Wx	0,27	cm^3
Wy	1,57	cm^3

sa/with/c:
TMF33



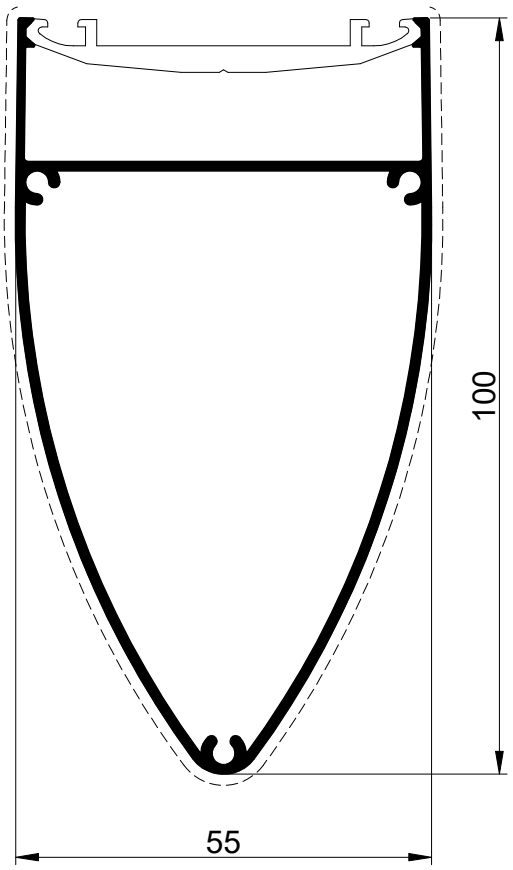
TMF5	0,238	kg/m`
S	0,86	cm^2
Ix	0,18	cm^4
Iy	3,63	cm^4
Wx	0,16	cm^3
Wy	1,32	cm^3

sa/with/c:
TMF3



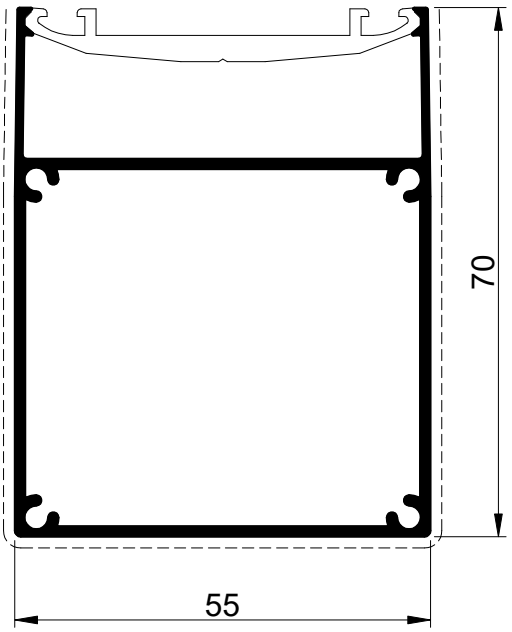
TMF27	0,209	kg/m`
S	0,76	cm^2
Ix	0,12	cm^4
Iy	2,79	cm^4
Wx	0,13	cm^3
Wy	0,93	cm^3

sa/with/c:
TMF3

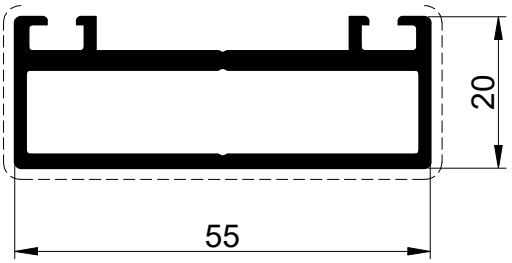


TMF15	0,931	kg/m`
S	3,39	cm^2
Ix	14,05	cm^4
Iy	30,43	cm^4
Wx	5,70	cm^3
Wy	6,04	cm^3

sa/with/c:
TMF3

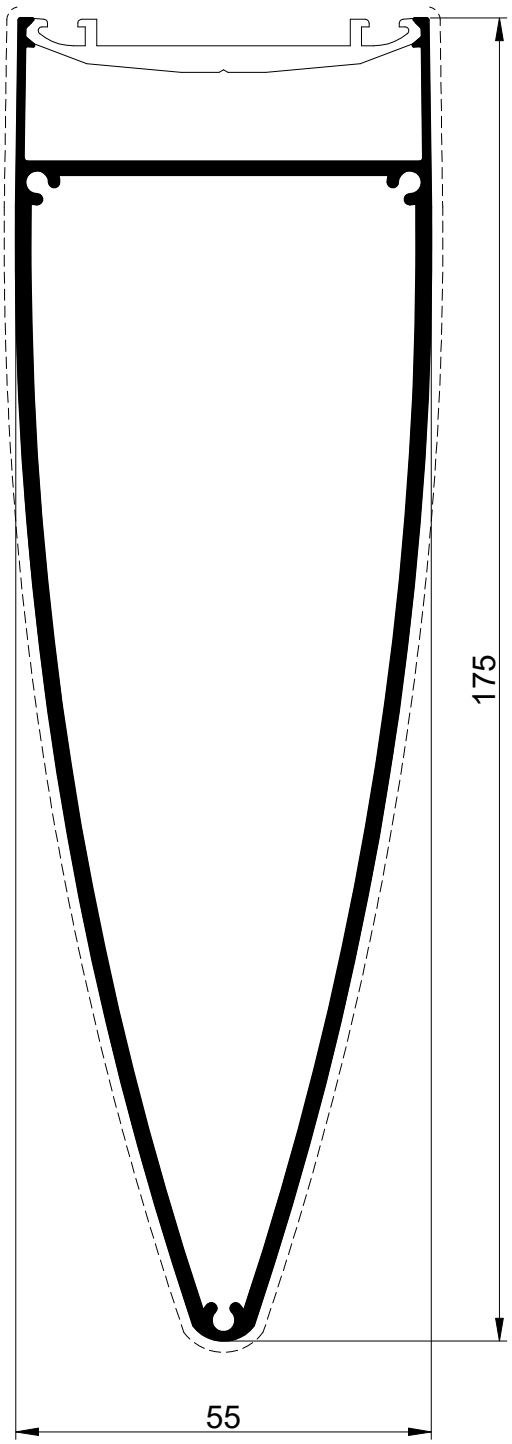


TMF20	0,963	kg/m`
S	3,50	cm^2
Ix	17,65	cm^4
Iy	17,42	cm^4
Wx	6,42	cm^3
Wy	4,30	cm^3

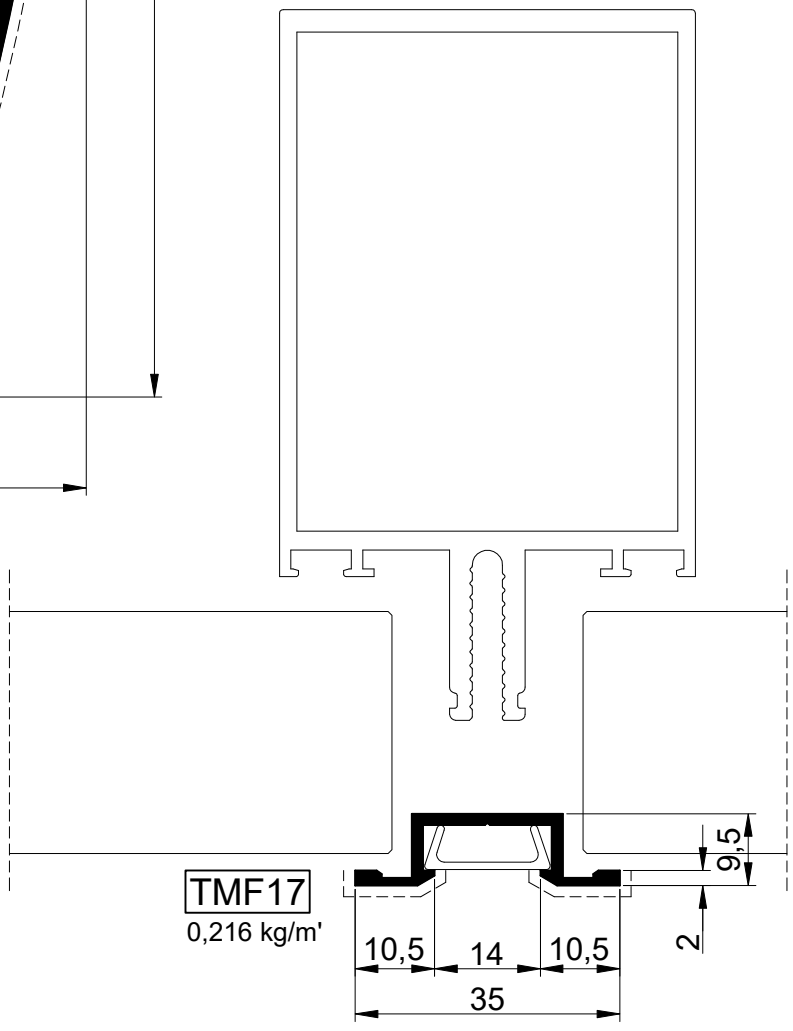


TMF61	0,841	kg/m`
S	3,06	cm^2
Ix	1,370	cm^4
Iy	10,272	cm^4
Wx	1,32	cm^3
Wy	3,73	cm^3

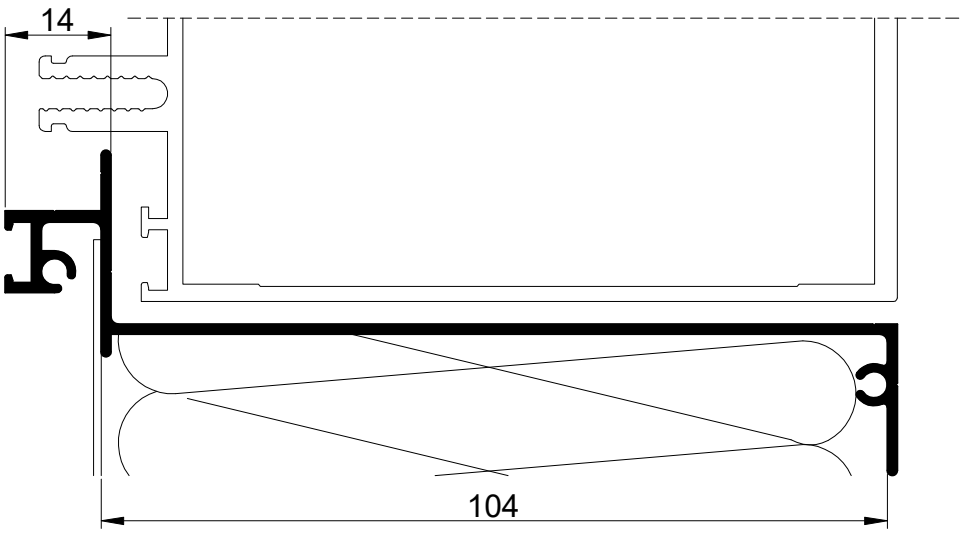
sa/with/c:
TMF3



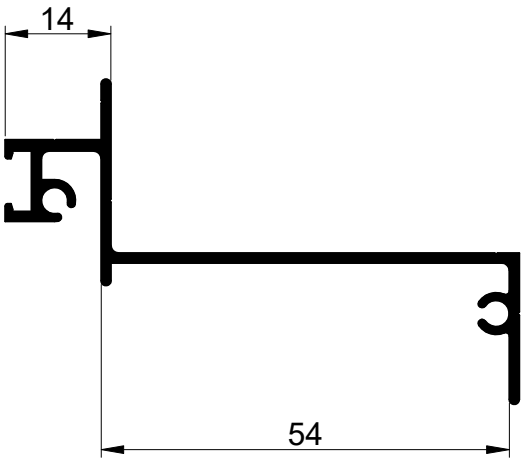
TMF54	2,088	kg/m`
S	7,594	cm^2
Ix	204,59	cm^4
Iy	30,69	cm^4
Wx	22,33	cm^3
Wy	11,16	cm^3



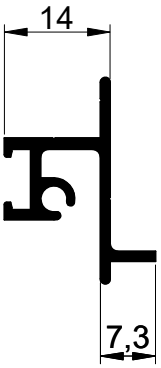
TMF17
0,216 kg/m'



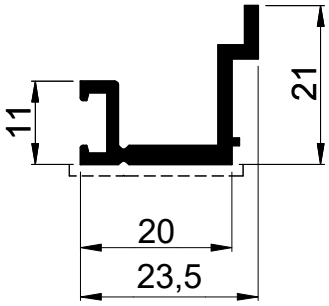
TMF31
0,693 kg/m'



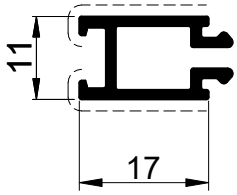
TMF30
0,515 kg/m'



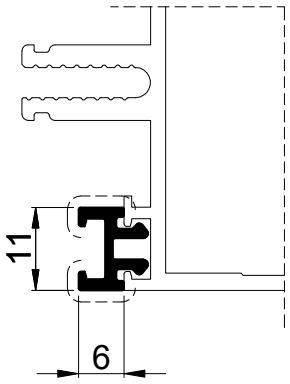
TMF42
0,250 kg/m'



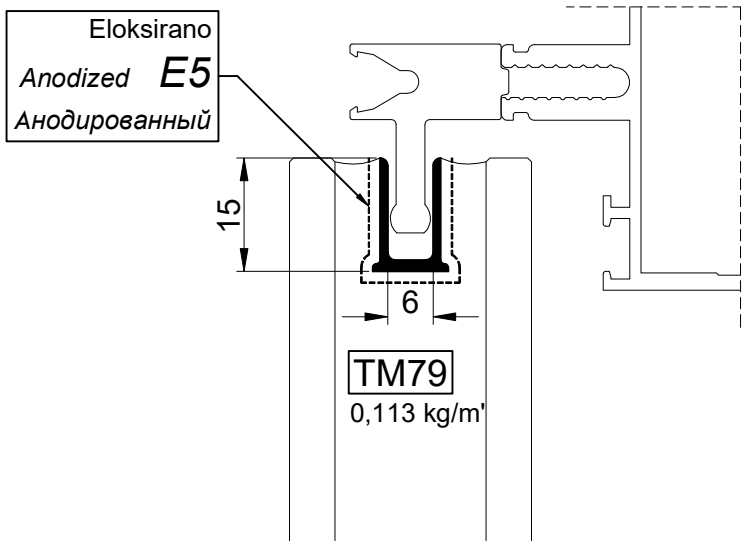
TMF13
0,291 kg/m'

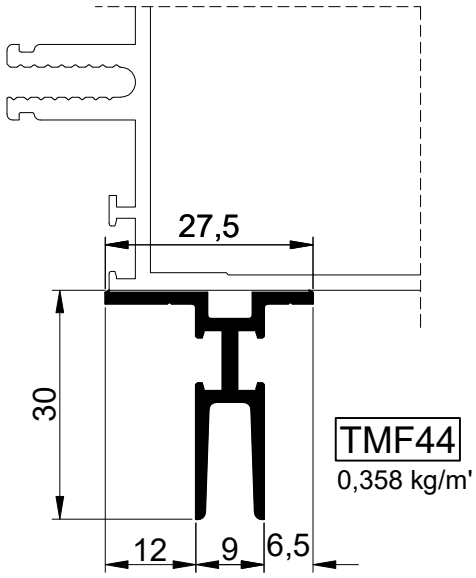


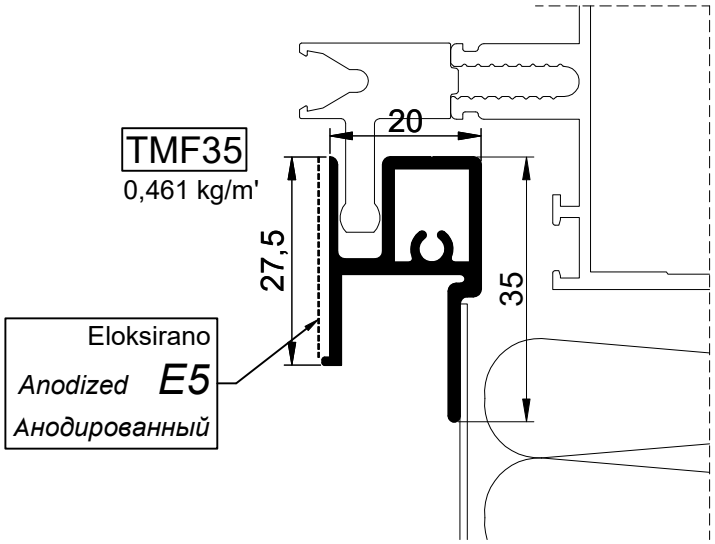
TMF18
0,215 kg/m'

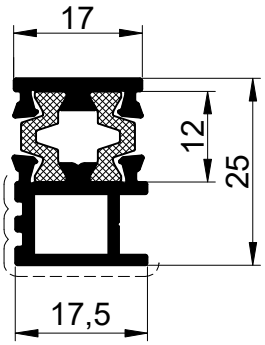


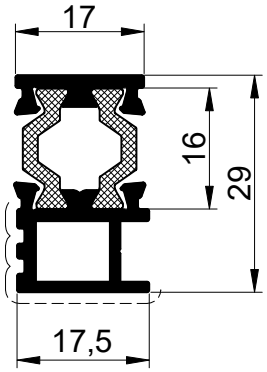
TMF65
0,116 kg/m'





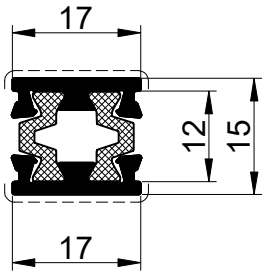




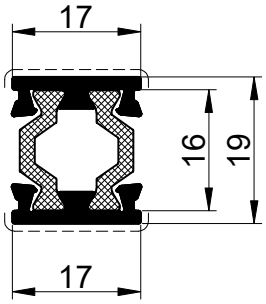


TMF45	0,520	kg/m`
S	1,55	cm^2
Ix	1,06	cm^4
Iy	0,45	cm^4
Wx	0,85	cm^3
Wy	0,48	cm^3

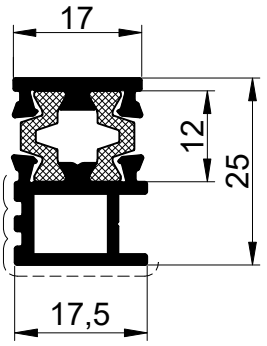
TMF46	0,539	kg/m`
S	1,55	cm^2
Ix	1,54	cm^4
Iy	0,45	cm^4
Wx	1,04	cm^3
Wy	0,48	cm^3



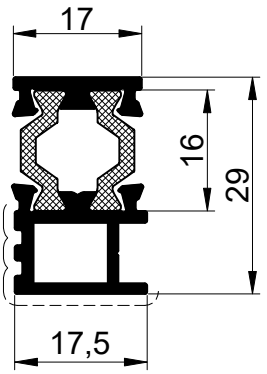
TMF60	0,380	kg/m`
S	1,04	cm^2
Ix	0,36	cm^4
Iy	0,28	cm^4
Wx	0,48	cm^3
Wy	0,31	cm^3



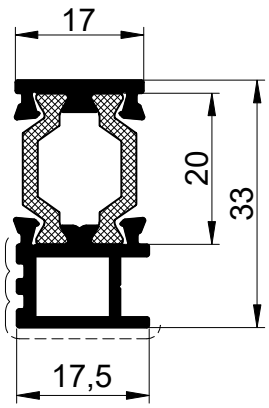
TMF59	0,399	kg/m`
S	1,04	cm^2
Ix	0,64	cm^4
Iy	0,28	cm^4
Wx	0,64	cm^3
Wy	0,31	cm^3



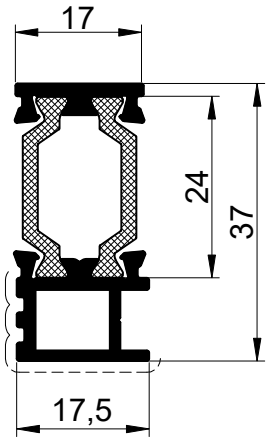
TMF45	0,520	kg/m`
S	1,55	cm^2
Ix	1,06	cm^4
Iy	0,45	cm^4
Wx	0,85	cm^3
Wy	0,48	cm^3



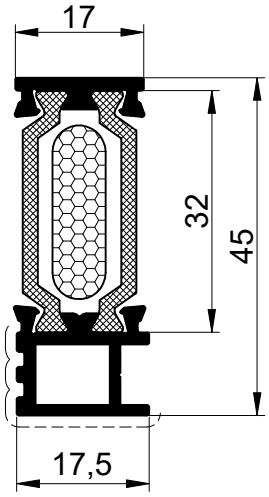
TMF46	0,539	kg/m`
S	1,55	cm^2
Ix	1,54	cm^4
Iy	0,45	cm^4
Wx	1,04	cm^3
Wy	0,48	cm^3



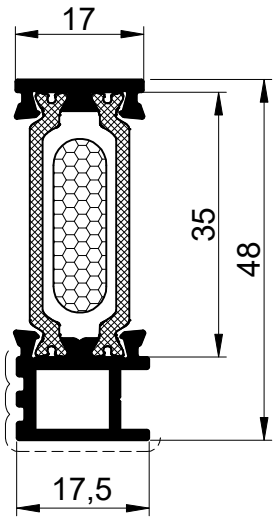
TMF47	0,556	kg/m`
S	1,55	cm^2
Ix	2,14	cm^4
Iy	0,45	cm^4
Wx	1,22	cm^3
Wy	0,48	cm^3



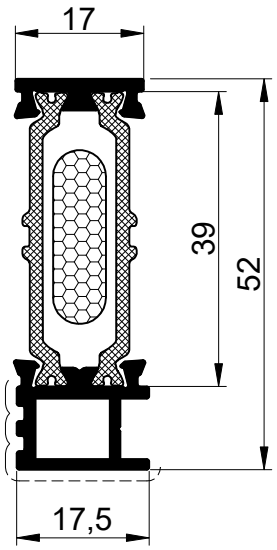
TMF48	0,575	kg/m`
S	1,55	cm^2
Ix	2,84	cm^4
Iy	0,45	cm^4
Wx	1,41	cm^3
Wy	0,48	cm^3



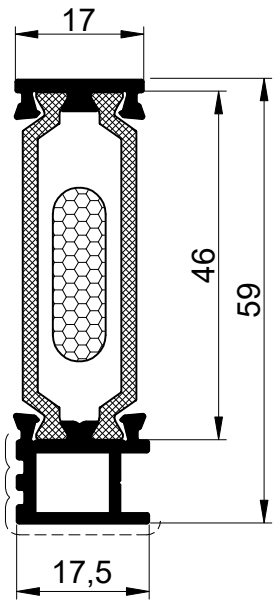
TMF49	0,619	kg/m`
S	1,55	cm^2
Ix	4,58	cm^4
Iy	0,45	cm^4
Wx	1,79	cm^3
Wy	0,48	cm^3



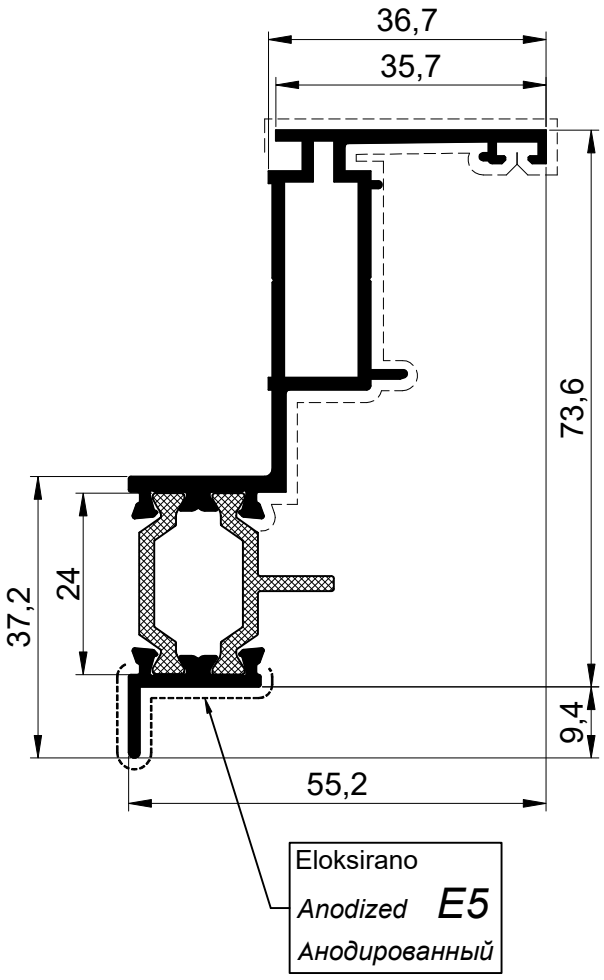
TMF50	0,620	kg/m`
S	1,55	cm^2
Ix	5,35	cm^4
Iy	0,45	cm^4
Wx	2,04	cm^3
Wy	0,48	cm^3

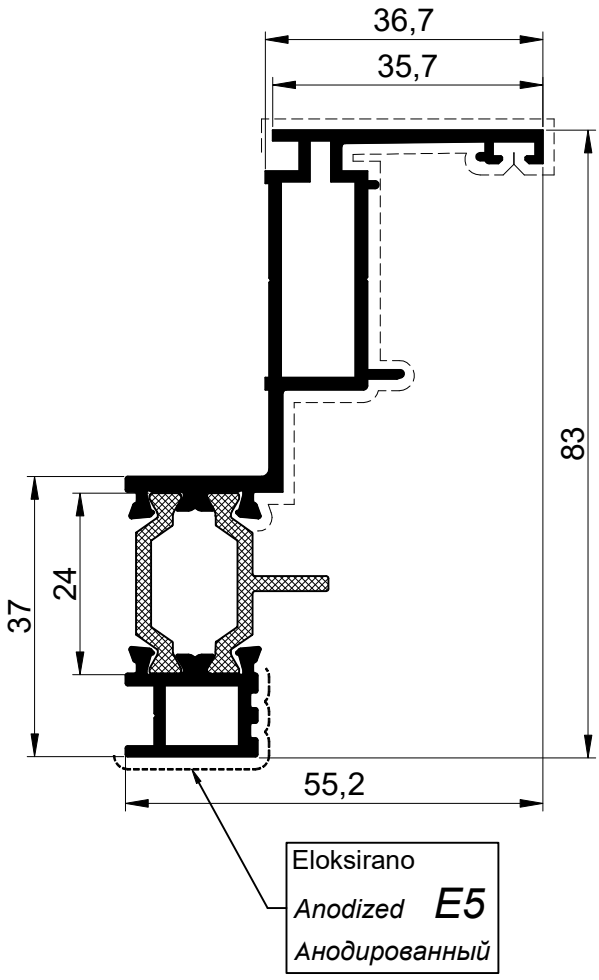


TMF51	0,647	kg/m`
S	1,55	cm^2
Ix	6,47	cm^4
Iy	0,45	cm^4
Wx	2,14	cm^3
Wy	0,48	cm^3



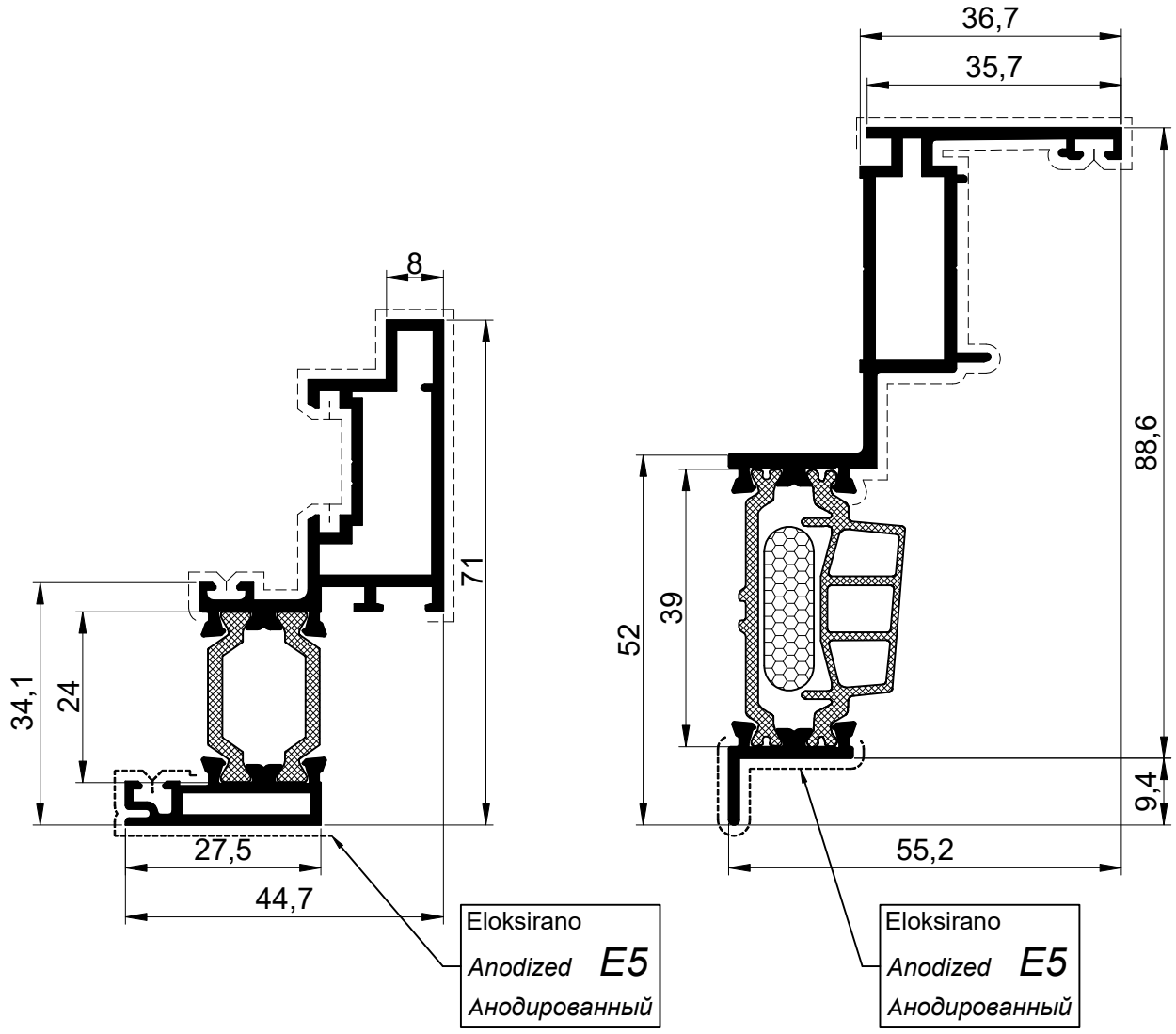
TMF52	0,681	kg/m`
S	1,55	cm^2
Ix	8,70	cm^4
Iy	0,45	cm^4
Wx	2,48	cm^3
Wy	0,48	cm^3





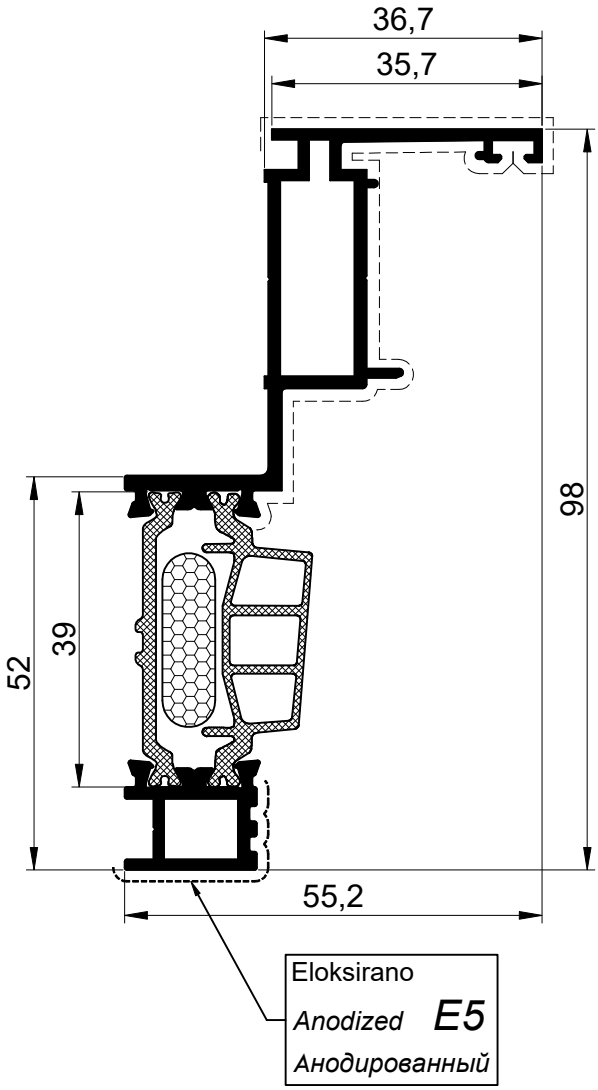
TMF132	1,133	kg/m`
S	3,53	cm^2
Ix	22,71	cm^4
Iy	6,06	cm^4
Wx	4,50	cm^3
Wy	1,80	cm^3

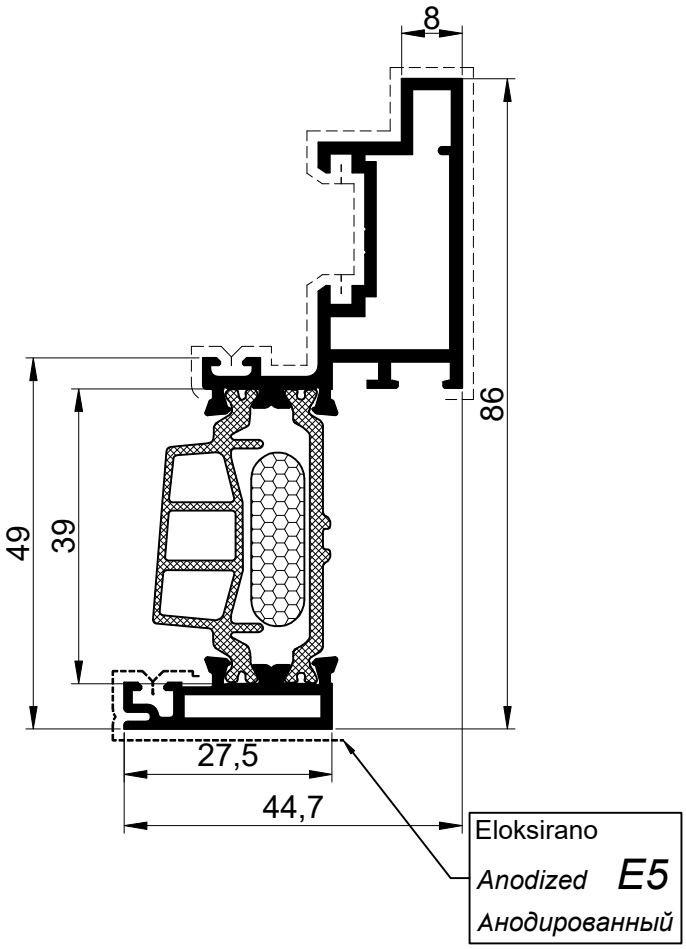
TMF133	1,237	kg/m`
S	3,91	cm^2
Ix	30,54	cm^4
Iy	6,27	cm^4
Wx	6,67	cm^3
Wy	1,82	cm^3



TMF134	1,175	kg/m`
S	3,64	cm^2
Ix	17,59	cm^4
Iy	5,32	cm^4
Wx	4,59	cm^3
Wy	0,20	cm^3

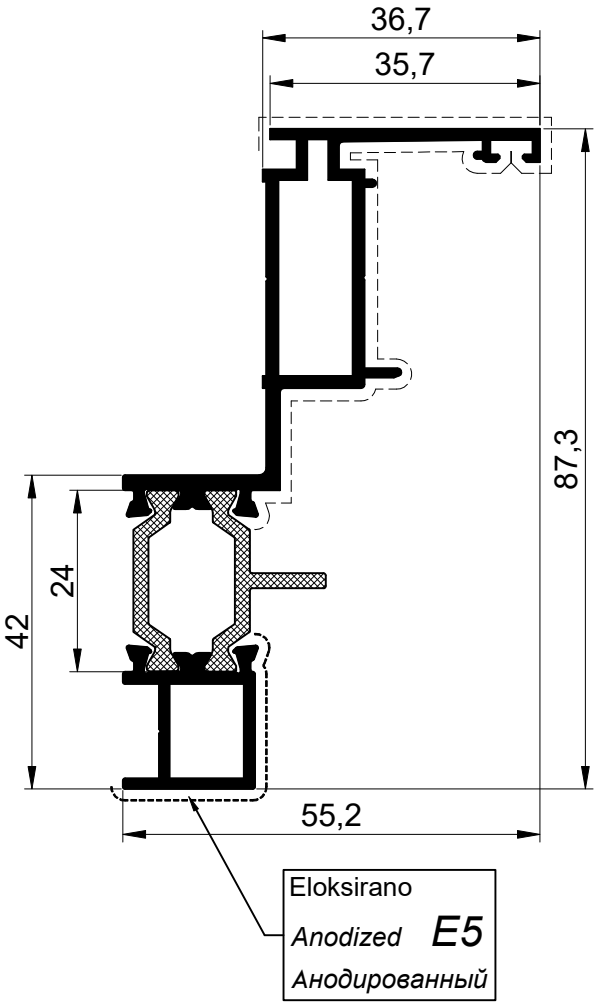
TMF332	1,253	kg/m`
S	3,53	cm^2
Ix	31,83	cm^4
Iy	6,06	cm^4
Wx	5,08	cm^3
Wy	1,80	cm^3

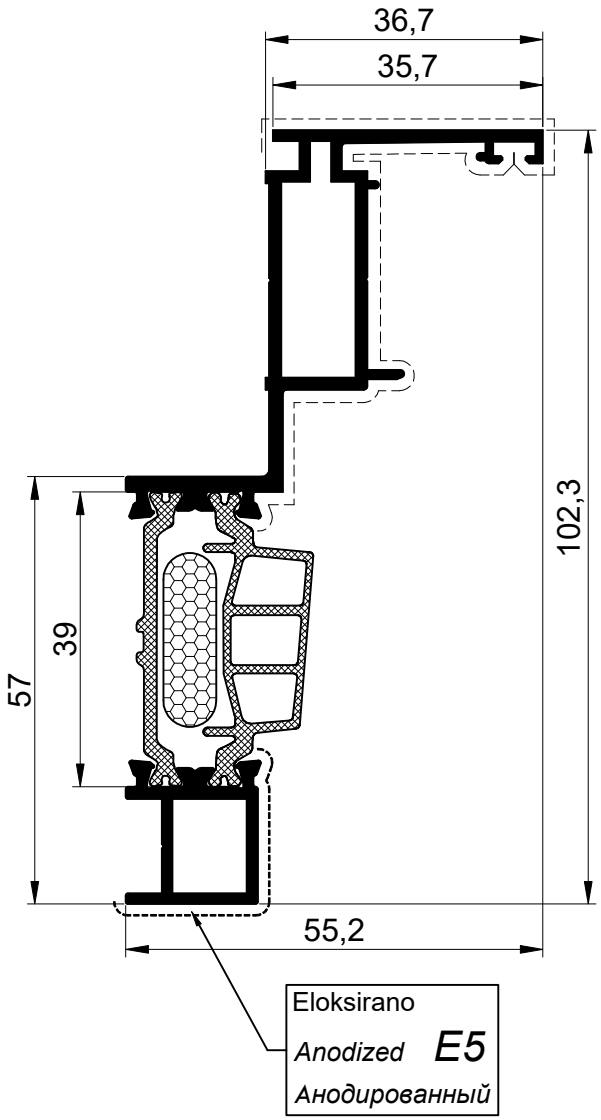




TMF333	1,357	kg/m`
S	3,91	cm^2
Ix	44,15	cm^4
Iy	6,27	cm^4
Wx	7,76	cm^3
Wy	1,82	cm^3

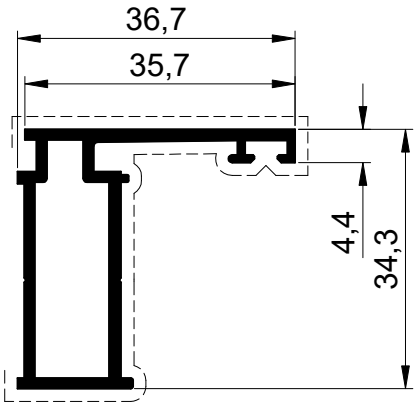
TMF334	1,295	kg/m`
S	3,64	cm^2
Ix	28,57	cm^4
Iy	5,32	cm^4
Wx	6,60	cm^3
Wy	1,95	cm^3



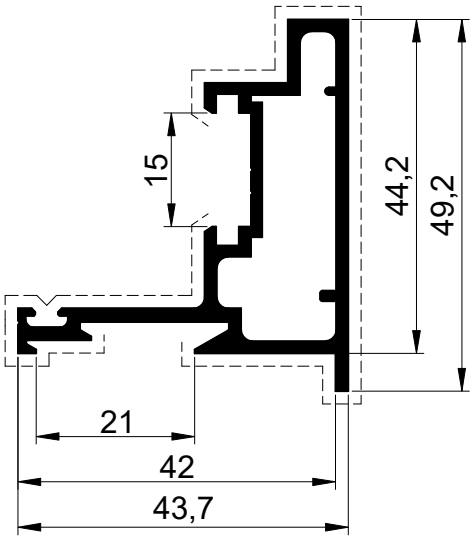


TMF153	1,273	kg/m`
S	4,00	cm^2
Ix	37,56	cm^4
Iy	6,37	cm^4
Wx	7,70	cm^3
Wy	1,84	cm^3

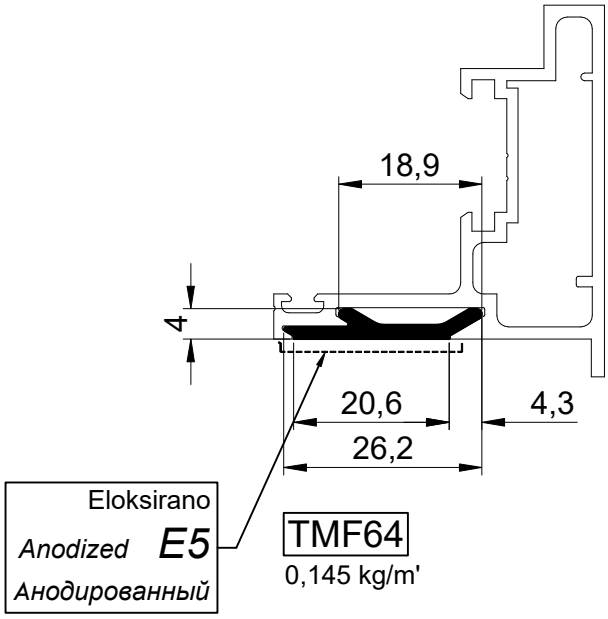
TMF353	1,402	kg/m`
S	4,00	cm^2
Ix	48,45	cm^4
Iy	6,37	cm^4
Wx	8,13	cm^3
Wy	1,84	cm^3

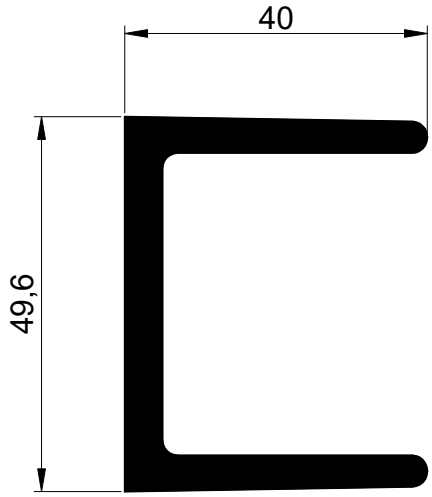


TMF62	0,514	kg/m`
S	1,87	cm^2
Ix	2,80	cm^4
Iy	1,80	cm^4
Wx	1,32	cm^3
Wy	0,73	cm^3

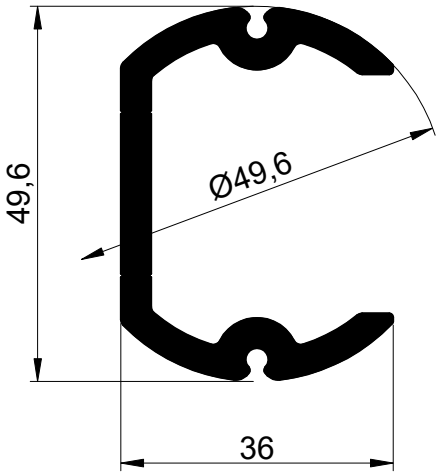


TMF63	0,797	kg/m`
S	2,89	cm^2
Ix	6,16	cm^4
Iy	4,20	cm^4
Wx	2,22	cm^3
Wy	1,38	cm^3

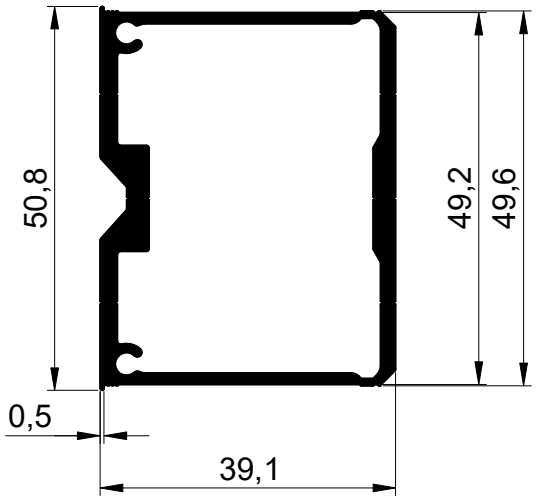




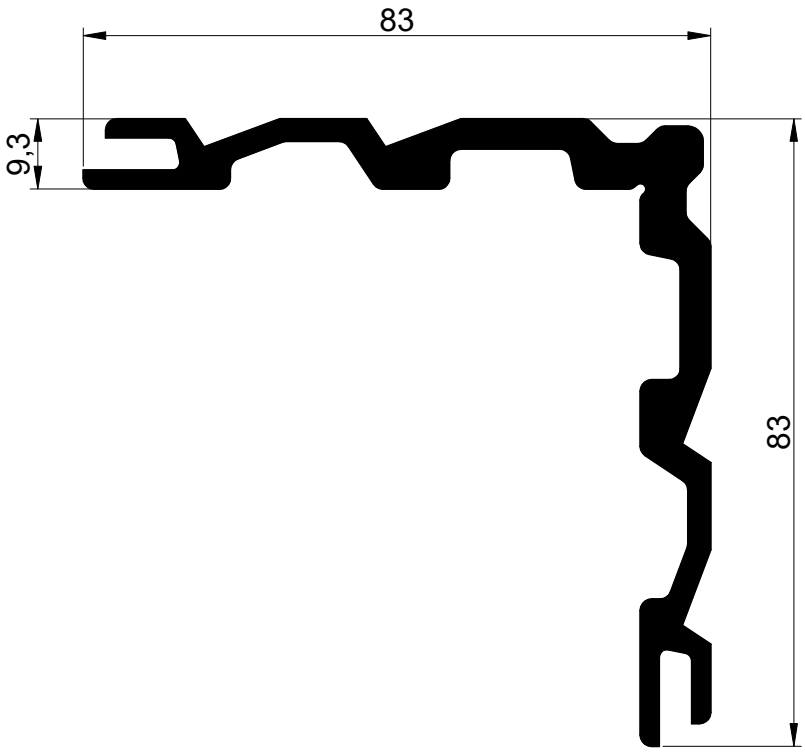
TM58	1,525	kg/m`
S	5,54	cm^2
Ix	20,22	cm^4
Iy	8,25	cm^4
Wx	8,15	cm^3
Wy	3,08	cm^3



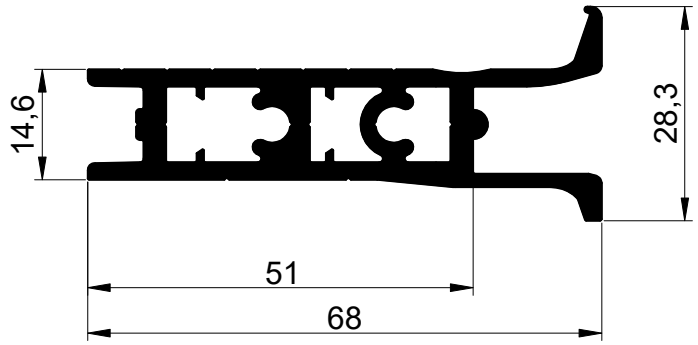
TM87	1,266	kg/m`
S	4,60	cm^2
Ix	14,64	cm^4
Iy	5,28	cm^4
Wx	5,94	cm^3
Wy	2,36	cm^3



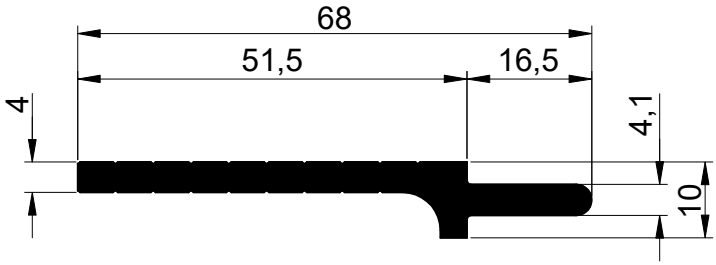
TM86	1,011	kg/m`
S	3,68	cm^2
Ix	9,17	cm^4
Iy	10,34	cm^4
Wx	3,61	cm^3
Wy	4,84	cm^3



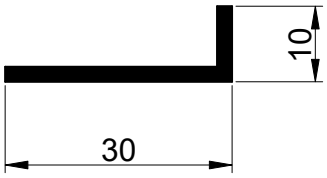
111	2,211	kg/m`
S	8,04	cm^2
Ix	49,17	cm^4
Iy	49,17	cm^4
Wx	8,17	cm^3
Wy	8,17	cm^3



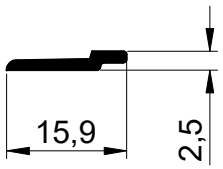
TMF95	1,376	kg/m`
S	5,00	cm^2
Ix	1,78	cm^4
Iy	18,12	cm^4
Wx	1,17	cm^3
Wy	5,26	cm^3



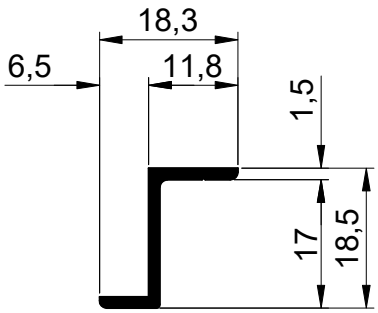
TMF36
0,816 kg/m'



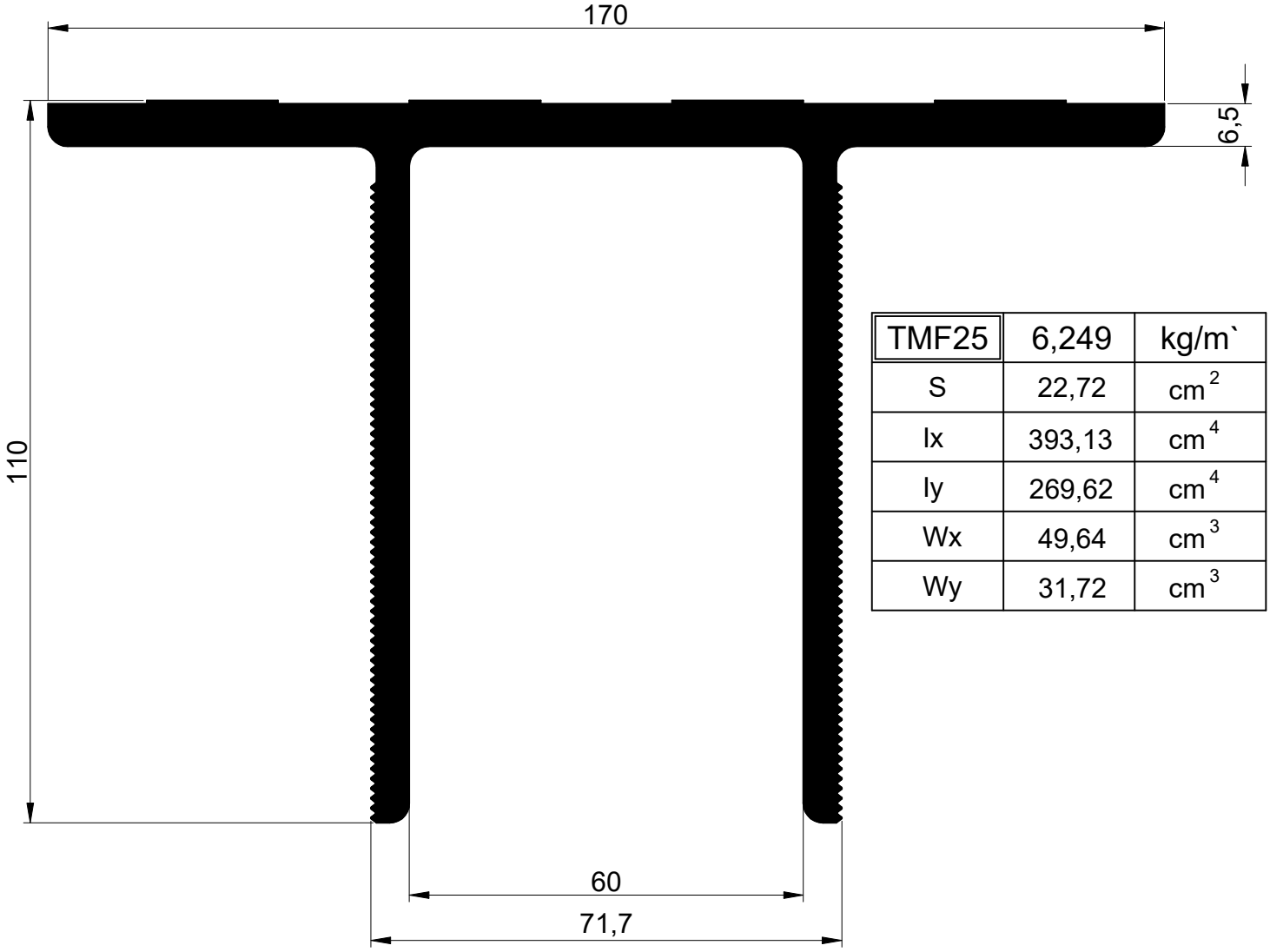
L1030
0,206 kg/m'



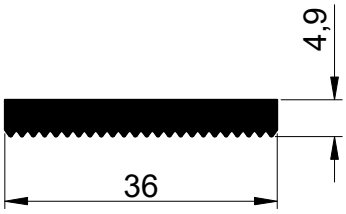
109
0,065 kg/m'



TMF37
0,145 kg/m'



TMF25	6,249	kg/m`
S	22,72	cm^2
Ix	393,13	cm^4
Iy	269,62	cm^4
Wx	49,64	cm^3
Wy	31,72	cm^3



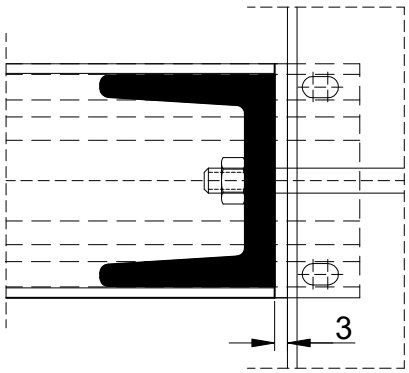
TMF26
0,445 kg/m'



FL120-5
1,650 kg/m'

Lista pratećeg materijala
Accessories list
Список аксессуаров

ALUMINIK CS55

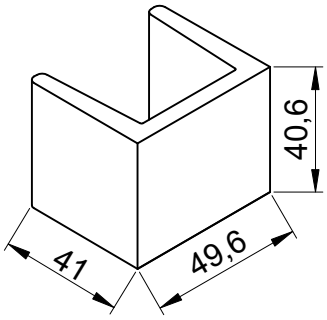


Vmax	MAKSIMALNA SILA U SPOJNICI *Maximum force in joint* Максимальная сила в суставе	
	Vmax (N)	Vmax (kg)
TMFA3	3500	350
TMFA4	1650	165
TMFA32	4500	450

TMFA4

Alu spojnica
Alu joint
Алю соединение

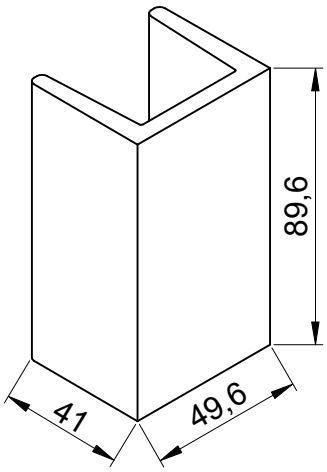
za/for/для: TMF2



TMFA3

Alu spojnica
Alu joint
Алю соединение

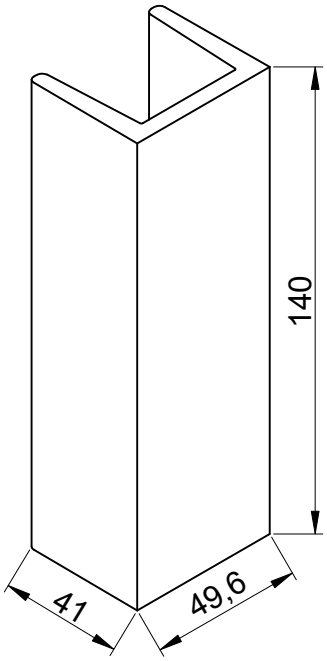
za/for/для: TMF21



TMFA32

Alu spojnica
Alu joint
Алю соединение

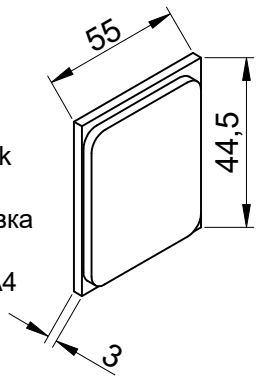
za/for/для: TMF71



TMFG8

Dilatacioni umetak
Dilatation plug
Дилатации вставка

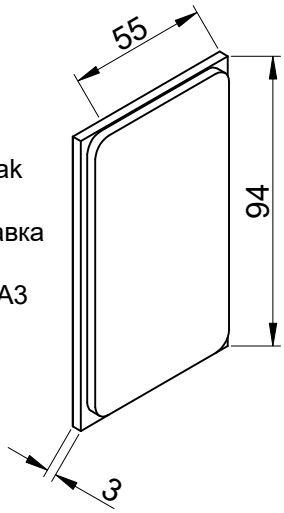
za/for/для: TMFA4



TMFG7

Dilatacioni umetak
Dilatation plug
Дилатации вставка

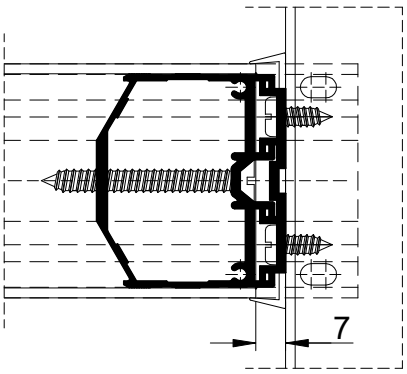
za/for/для: TMFA3



TMFG7 + TMFG8

Dilatacioni umetak
Dilatation plug
Дилатации вставка

za/for/для: TMFA32

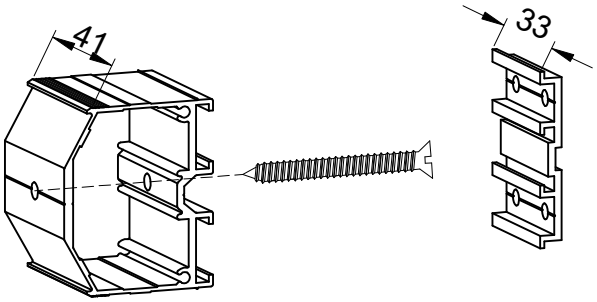


Vmax	MAKSIMALNA SILA U SPOJNICI *Maximum force in joint* Максимальная сила в суставе	
	Vmax (N)	Vmax (kg)
TMFA6	350	35
TMFA7	900	90
TMFA8	1450	145
TMFA21	1550	155

TMFA6

Alu spojnica
Alu joint
Алю соединение

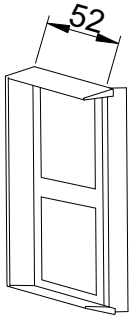
za/for/для: TMF2



TMFP9

Dilatacioni umetak
Dilatation plug
Дилатации вставка

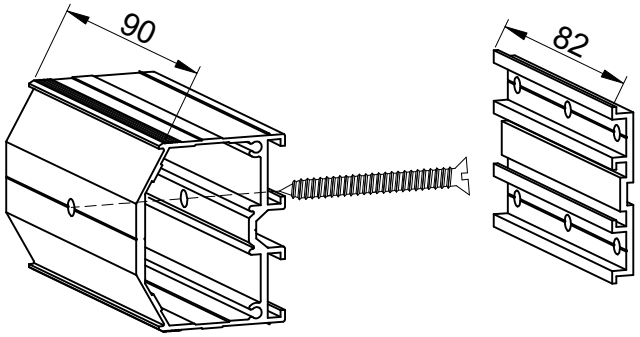
za/for/для: TMFA6



TMFA7

Alu spojnica
Alu joint
Алю соединение

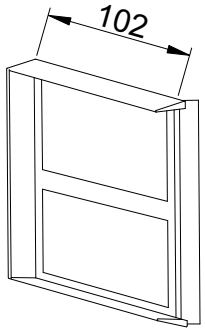
za/for/для: TMF21



TMFP10

Dilatacioni umetak
Dilatation plug
Дилатации вставка

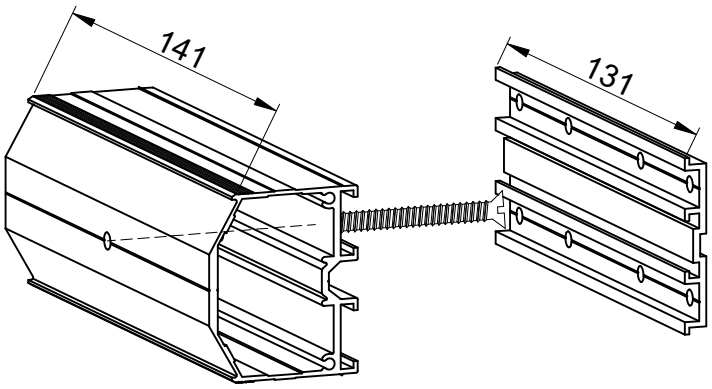
za/for/для: TMFA7



TMFA8

Alu spojnica
Alu joint
Алю соединение

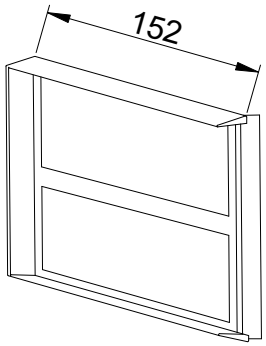
za/for/для: TMF71

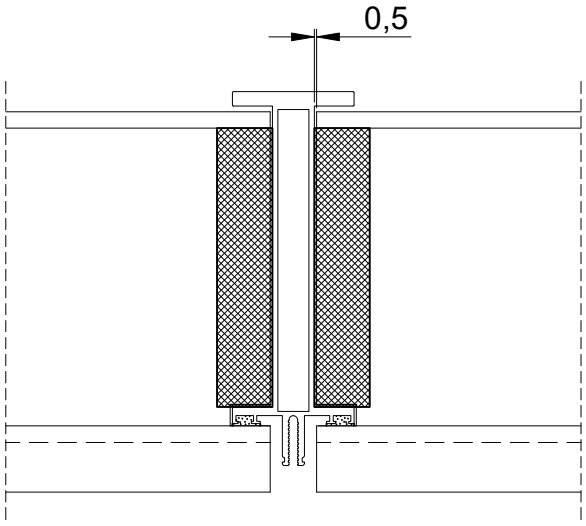


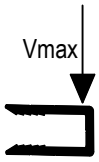
TMFP11

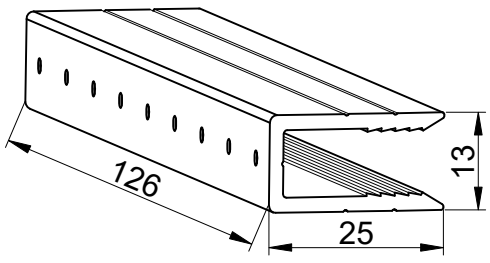
Dilatacioni umetak
Dilatation plug
Дилатации вставка

za/for/для: TMFA8





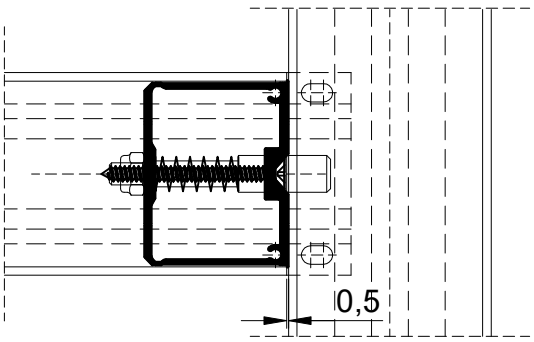
	MAKSIMALNA SILA U SPOJNICI *Maximum force in joint* Максимальная сила в суставе	
	Vmax (N)	Vmax (kg)
TMFA31	600	60



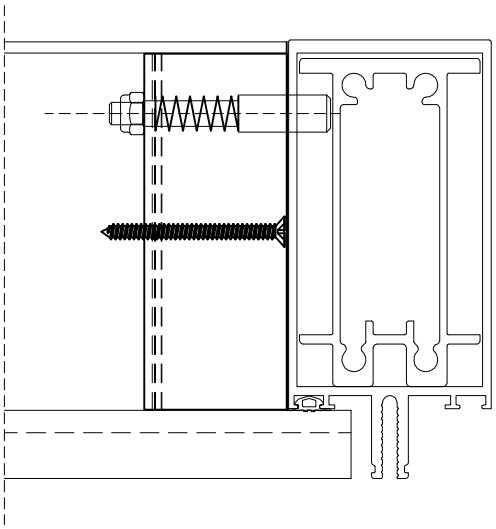
TMFA31

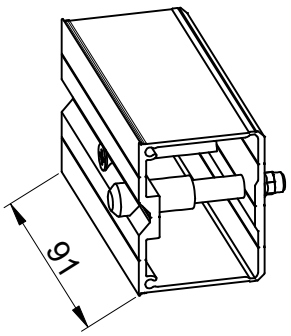
Alu spojnica
Alu joint
Алю соединение

za/for/для: TMF57



Vmax	MAKSIMALNA SILA U SPOJNICI *Maximum force in joint* Максимальная сила в суставе	
	Vmax (N)	Vmax (kg)
TMFA44 - TMFA51	650	65
TMFA52 - TMFA54	800	80

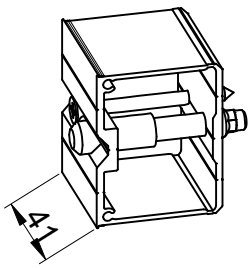




TMFA46

Alu spojnica
Alu joint
Алю соединение

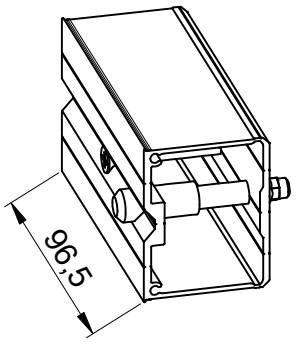
za/for/для: TMF21



TMFA44

Alu spojnica
Alu joint
Алю соединение

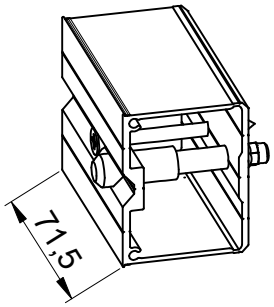
za/for/для: TMF2



TMFA47

Alu spojnica
Alu joint
Алю соединение

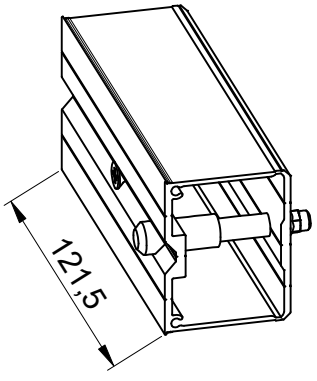
za/for/для: TMF106



TMFA45

Alu spojnica
Alu joint
Алю соединение

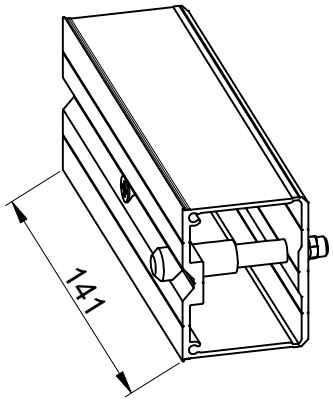
za/for/для: TMF81



TMFA48

Alu spojnica
Alu joint
Алю соединение

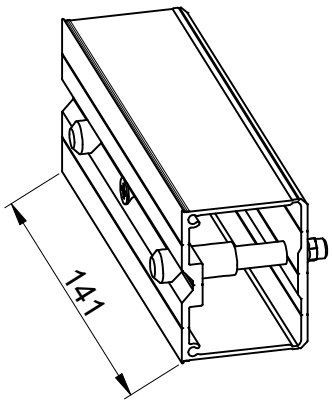
za/for/для: TMF131



TMFA49

Alu spojnica
Alu joint
Алю соединение

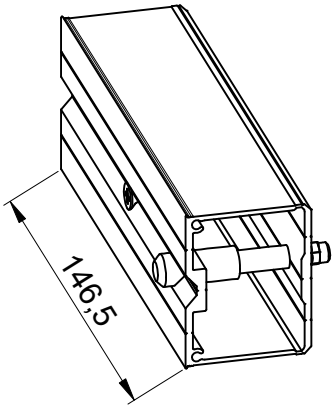
za/for/для: TMF71



TMFA52

Alu spojnica
Alu joint
Алю соединение

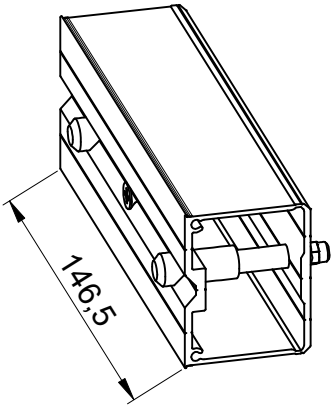
za/for/для: TMF71



TMFA50

Alu spojnica
Alu joint
Алю соединение

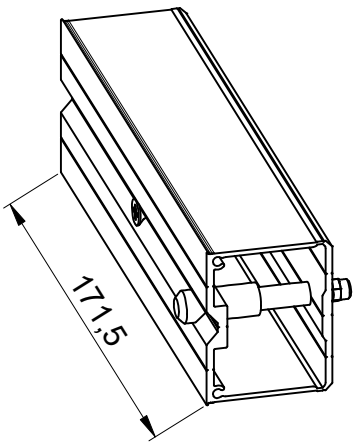
za/for/для: TMF156



TMFA53

Alu spojnica
Alu joint
Алю соединение

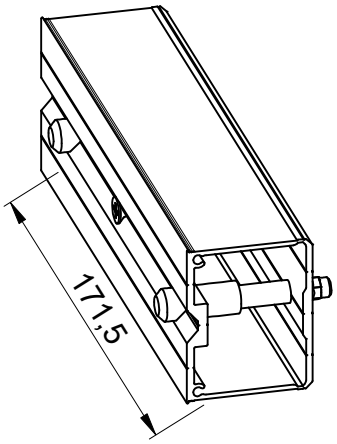
za/for/для: TMF156



TMFA51

Alu spojnica
Alu joint
Алю соединение

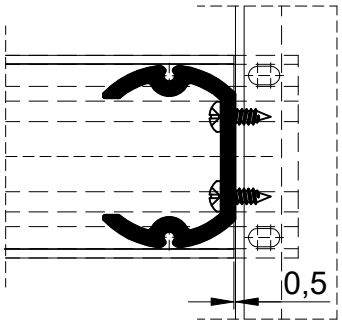
za/for/для: TMF181

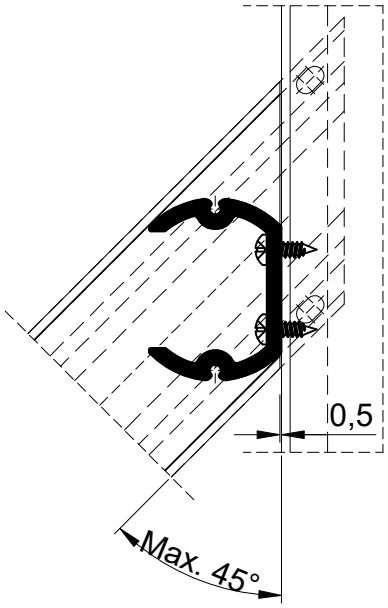


TMFA54

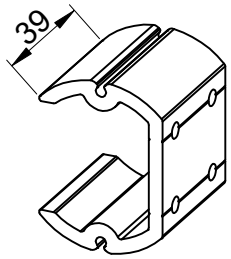
Alu spojnica
Alu joint
Алю соединение

za/for/для: TMF181





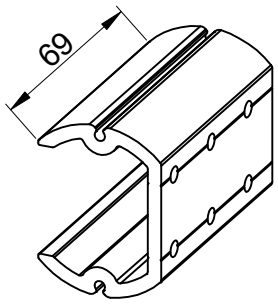
Vmax	MAKSIMALNA SILA U SPOJNICI *Maximum force in joint* Максимальная сила в суставе	
	Vmax (N)	Vmax (kg)
TMFA34	750	75
TMFA35	950	95
TMFA36	1500	150
TMFA37	1550	155
TMFA38	1750	175
TMFA39	1950	195
TMFA40	2000	200
TMFA41	2250	225



TMFA34

Alu spojnica
Alu joint
Алю соединение

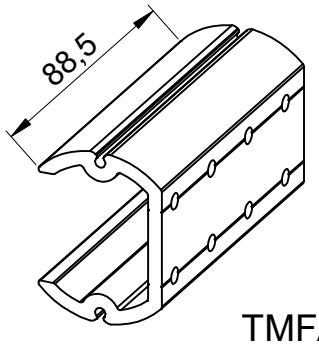
za/for/для: TMF2



TMFA35

Alu spojnica
Alu joint
Алю соединение

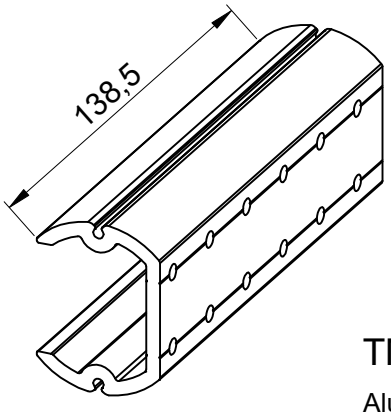
za/for/для: TMF81



TMFA36

Alu spojnica
Alu joint
Алю соединение

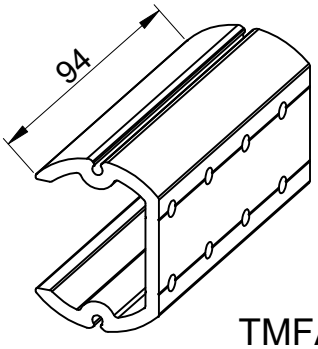
za/for/для: TMF21



TMFA39

Alu spojnica
Alu joint
Алю соединение

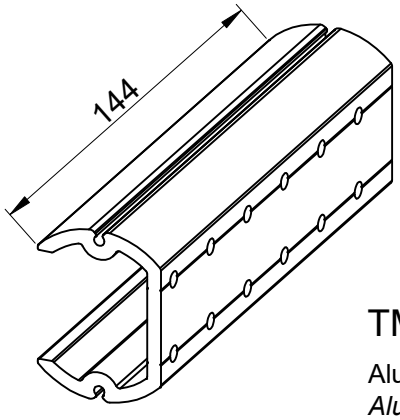
za/for/для: TMF71



TMFA37

Alu spojnica
Alu joint
Алю соединение

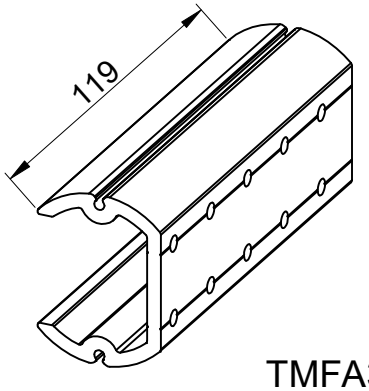
za/for/для: TMF106



TMFA40

Alu spojnica
Alu joint
Алю соединение

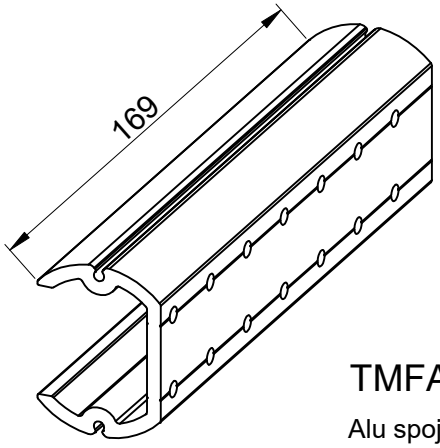
za/for/для: TMF156



TMFA38

Alu spojnica
Alu joint
Алю соединение

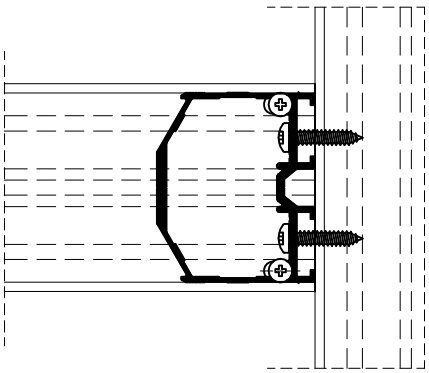
za/for/для: TMF131



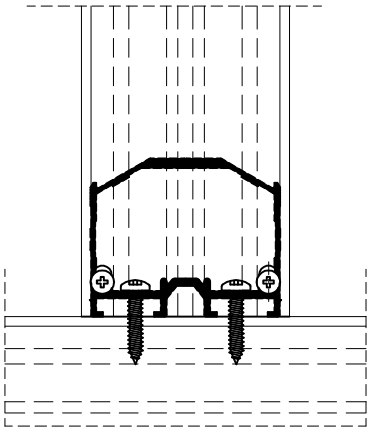
TMFA41

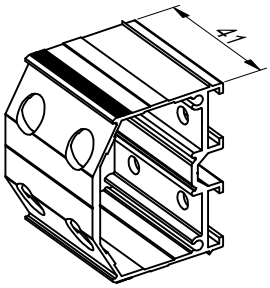
Alu spojnica
Alu joint
Алю соединение

za/for/для: TMF181



Vmax	MAKSIMALNA SILA U SPOJNICI *Maximum force in joint* Максимальная сила в суставе	
	Vmax (N)	Vmax (kg)
TMFA71	350	35
TMFA72	900	90

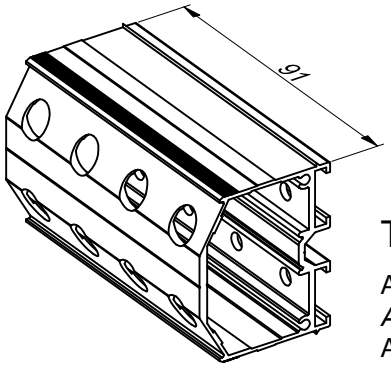




TMFA71

Alu spojnica
Alu joint
Алю соединение

za/for/для: TMF2

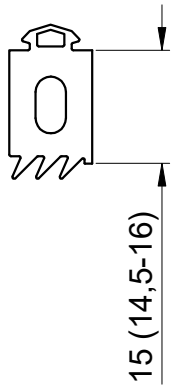


TMFA72

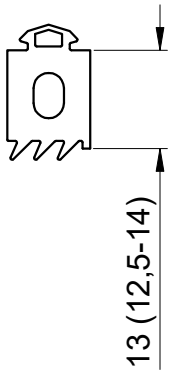
Alu spojnica
Alu joint
Алю соединение

za/for/для: TMF21

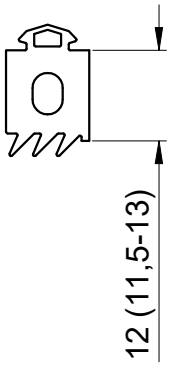
TMFG11



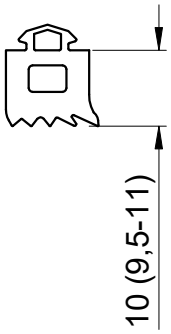
TMFG21



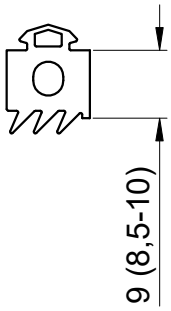
TMFG29



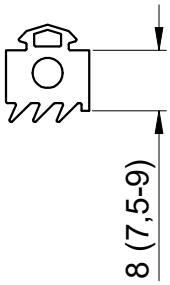
TMFG1



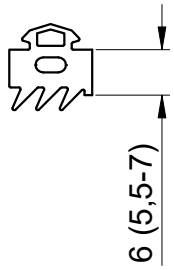
TMFG28



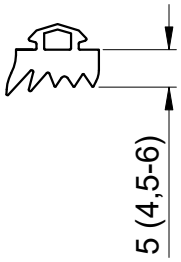
TMFG22



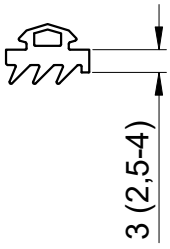
TMFG27



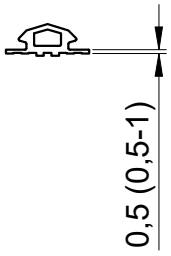
TMFG2



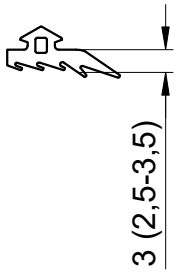
TMFG23



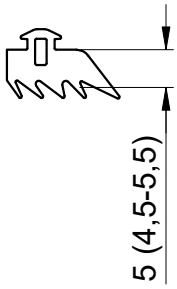
TMFG18



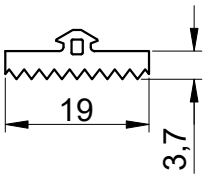
TMFG3



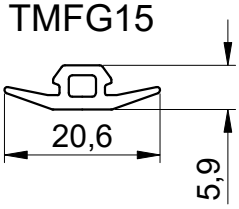
TMFG26



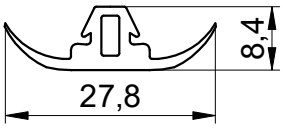
TMFP15



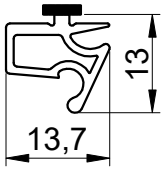
TMFG15



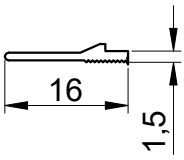
TMFG24



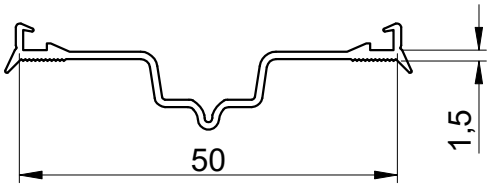
TMFG12



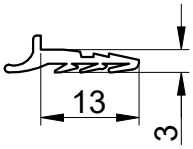
TMFG17



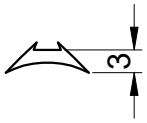
TMFG20



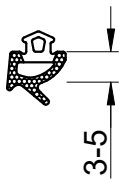
TMDG3



TMG4

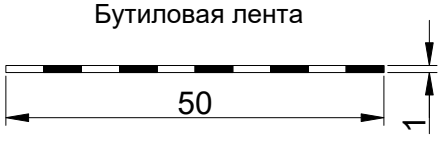


TMFG30



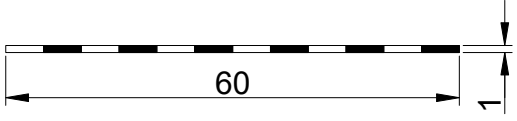
TMFP5

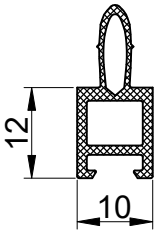
BUTIL traka
BUTYL tape
Бутиловая лента



TMFP27

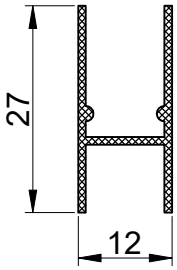
BUTIL traka
BUTYL tape
Бутиловая лента





TMFP14

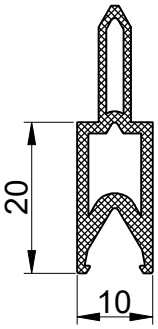
PVC profil, L=3,0 m
PVC profile, L=3,0 m
ПВХ профиль, Д=3,0 м



TMFP4

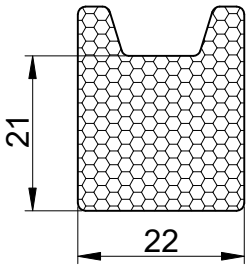
PVC profil, L=3,0 m
PVC profile, L=3,0 m
ПВХ профиль, Д=3,0 м

za/for/для: TMF17



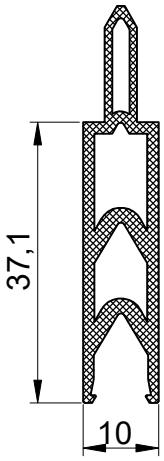
TMFL1

PVC profil, L=3,0 m
PVC profile, L=3,0 m
ПВХ профиль, Д=3,0 м



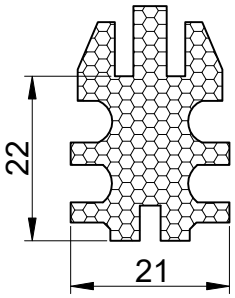
TMFL5

PENG penasti profil, L=2,0 m
LDPE foam profile, L=2,0 m
ПВД вспененный профиль, Д=2,0 м



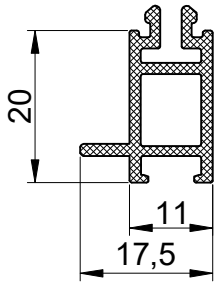
TMFL2

PVC profil, L=3,0 m
PVC profile, L=3,0 m
ПВХ профиль, Д=3,0 м



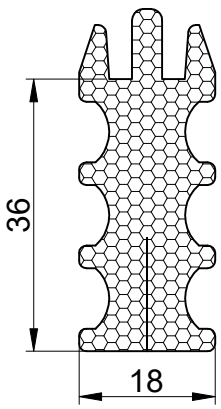
TMFL3

PENG penasti profil, L=2,0 m
LDPE foam profile, L=2,0 m
ПВД вспененный профиль, Д=2,0 м



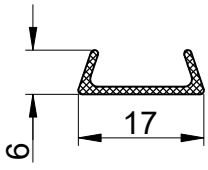
TMFP18

PVC profil, L=3,0 m
PVC profile, L=3,0 m
ПВХ профиль, Д=3,0 м



TMFL4

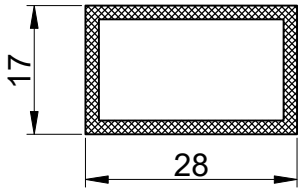
PENG penasti profil, L=2,0 m
LDPE foam profile, L=2,0 m
ПВД вспененный профиль, Д=2,0 м



TMFP7

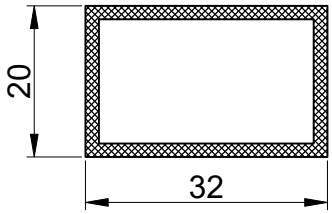
PVC profil, L=3,0 m
PVC profile, L=3,0 m
ПВХ профиль, Д=3,0 м

za/for/для: TMF17



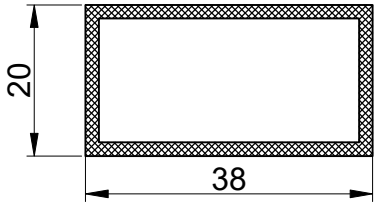
TMFP20

PVC distancer, L=6,0 m
PVC spacers profile, L=6,0 m
ПВХ прокладка, Д=6,0 м



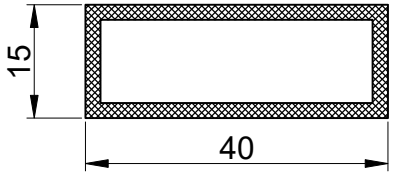
TMFP21

PVC distancer, L=6,0 m
PVC spacers profile, L=6,0 m
ПВХ прокладка, Д=6,0 м



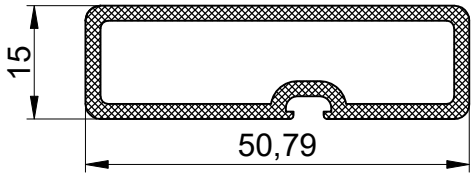
TMFP22

PVC distancer, L=6,0 m
PVC spacers profile, L=6,0 m
ПВХ прокладка, Д=6,0 м



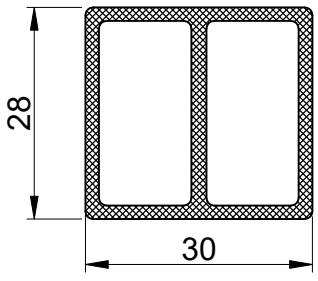
TMFP23

PVC distancer, L=6,0 m
PVC spacers profile, L=6,0 m
ПВХ прокладка, Д=6,0 м



TMFP24

PVC distancer, L=6,0 m
PVC spacers profile, L=6,0 m
ПВХ прокладка, Д=6,0 м

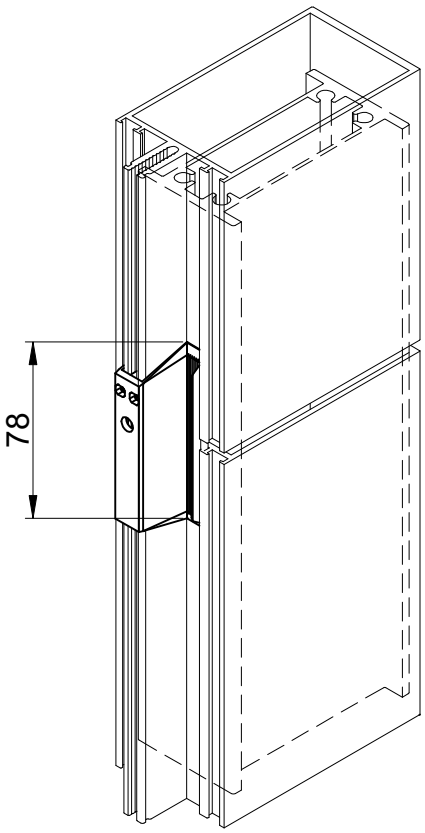


TMFP25

PVC distancer, L=6,0 m
PVC spacers profile, L=6,0 m
ПВХ прокладка, Д=6,0 м

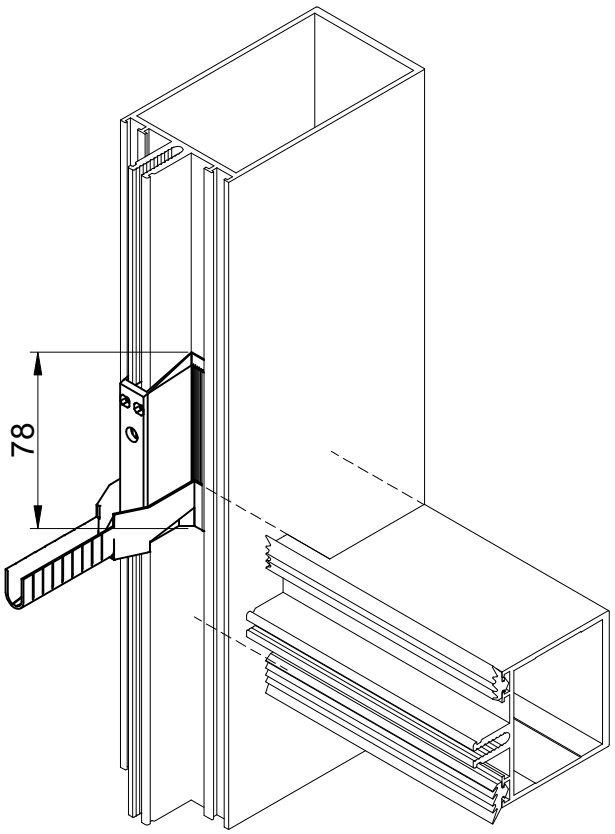
TMFG14

Drenažna prevodnica
Drainage insert
*Дренаж имплан*тат



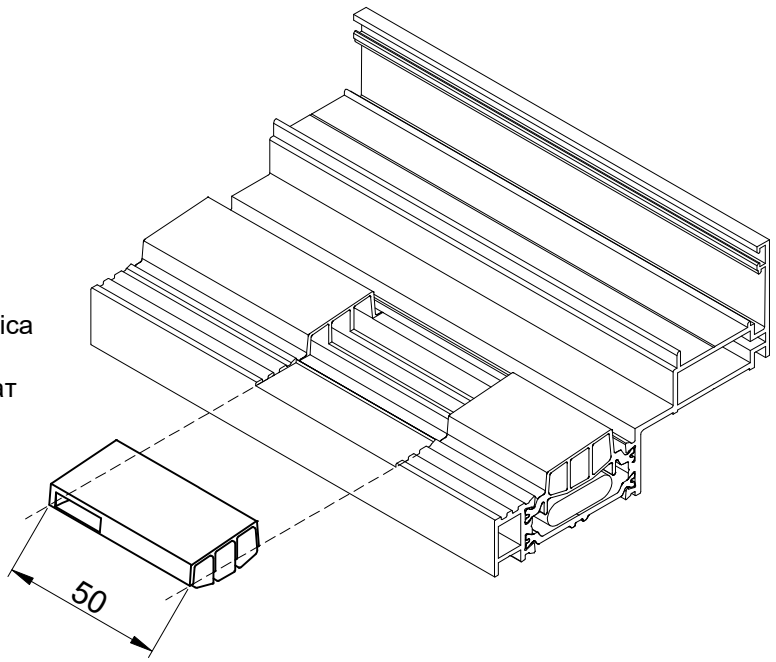
TMFG25

Drenažna lulica
Drainage pipe
Дренаж имплантат



TMFG13

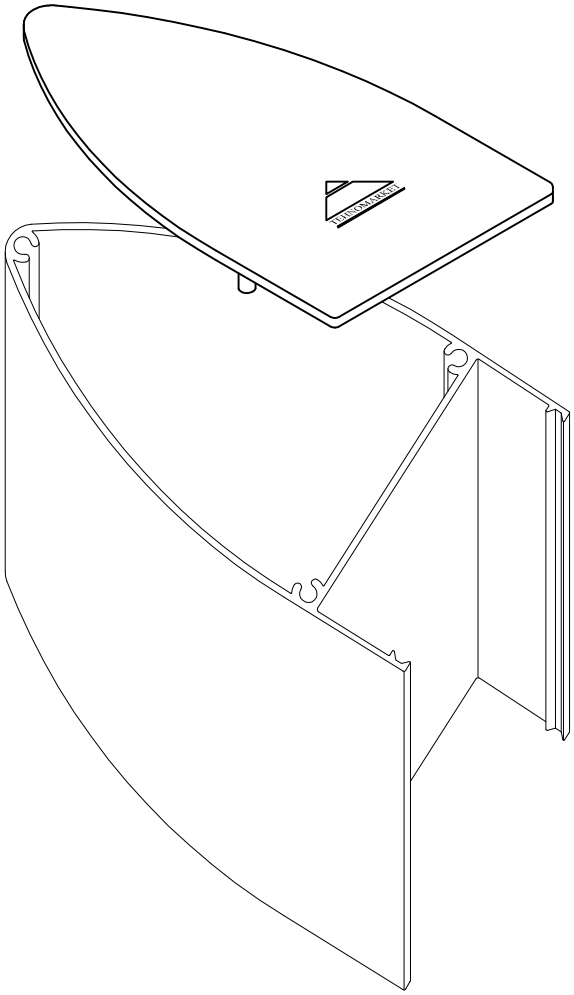
Drenažna prevodnica
Drainage insert
Дренаж имплантат



TMFP8

Umetak za zatvaranje
Ending plug
Молния

za/for/для: TMF15



TMP9

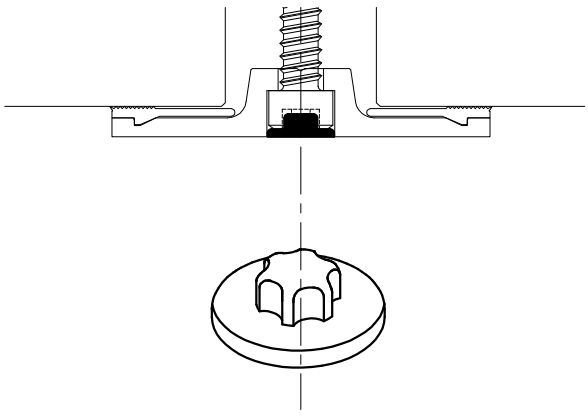
Čep drenaže štoka
Drainage bung of the rod
Затычка дренаж стержена

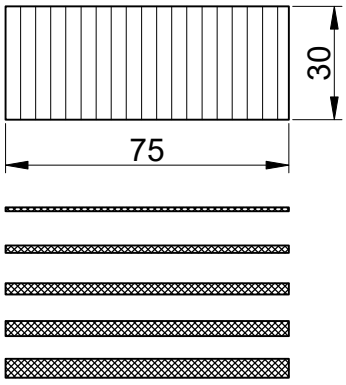


TMFG19

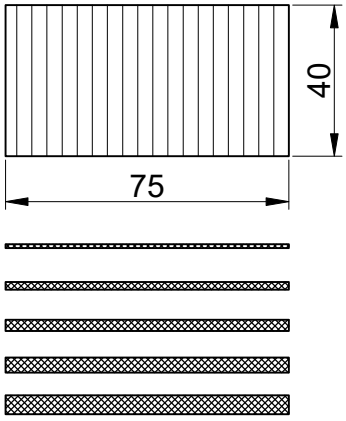
Čep vijka
Cap screws
Пробка для винта

za/for/для: TMF41

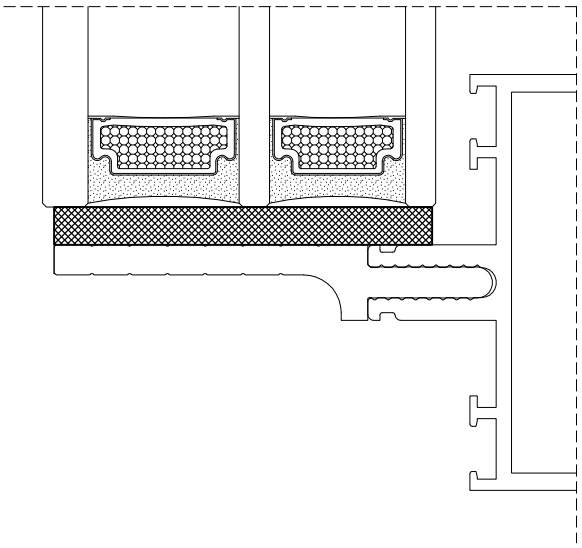


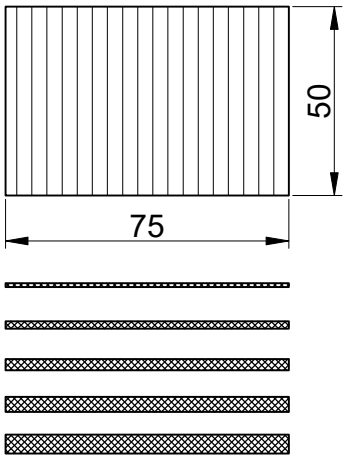


30x75x1mm
30x75x2mm
30x75x3mm
30x75x4mm
30x75x5mm



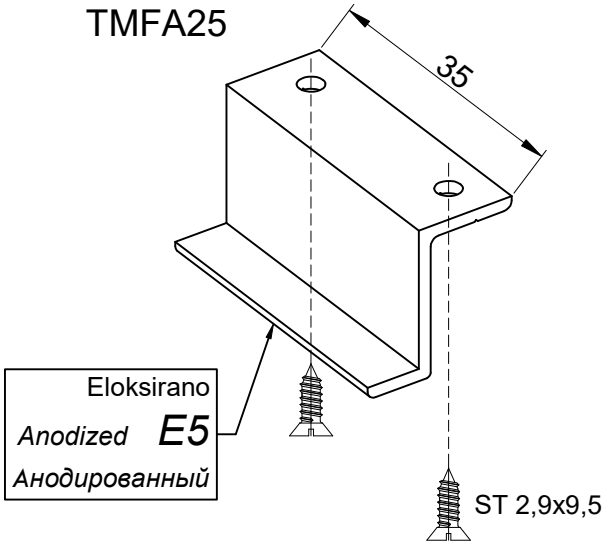
40x75x1mm
40x75x2mm
40x75x3mm
40x75x4mm
40x75x5mm

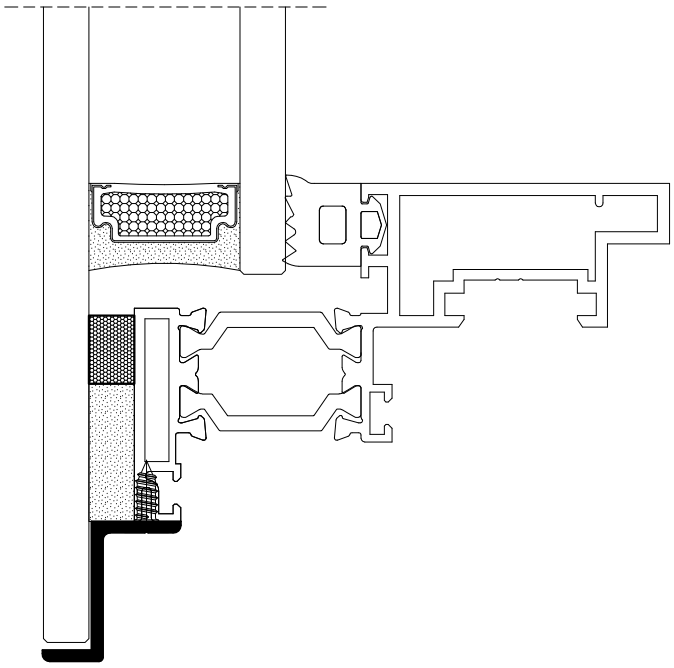




50x75x1mm
50x75x2mm
50x75x3mm
50x75x4mm
50x75x5mm

TMFA25



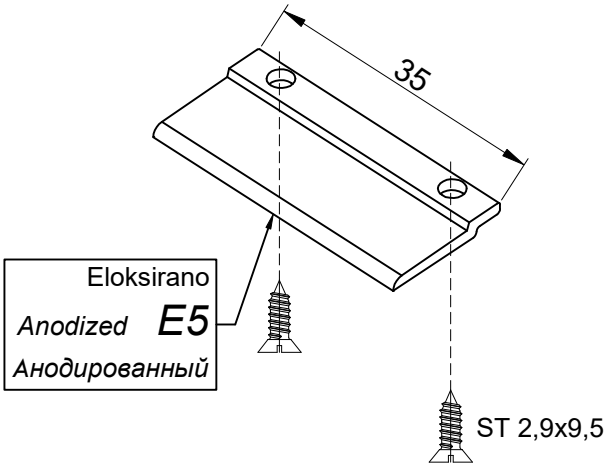


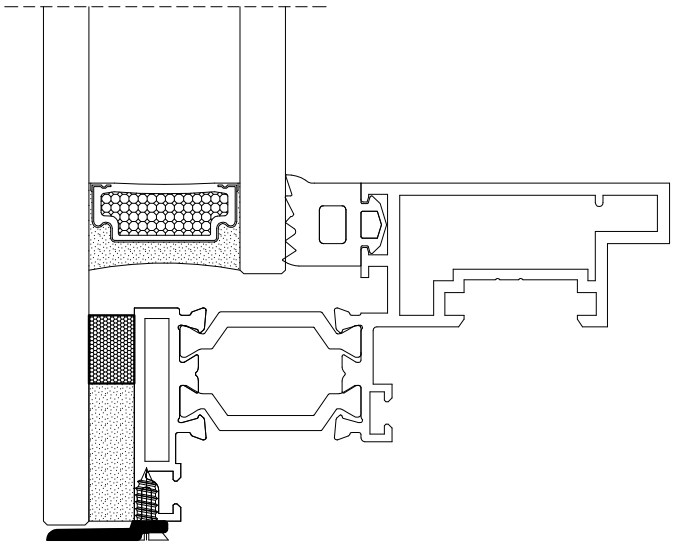
Za kalkulaciju dimenzije spoja strukturalnim silikonom računati da sigurnosni oslonci nisu konstruktivni

For calculation of structural silicon joint dimension calculate with unconstructive safety glazing support

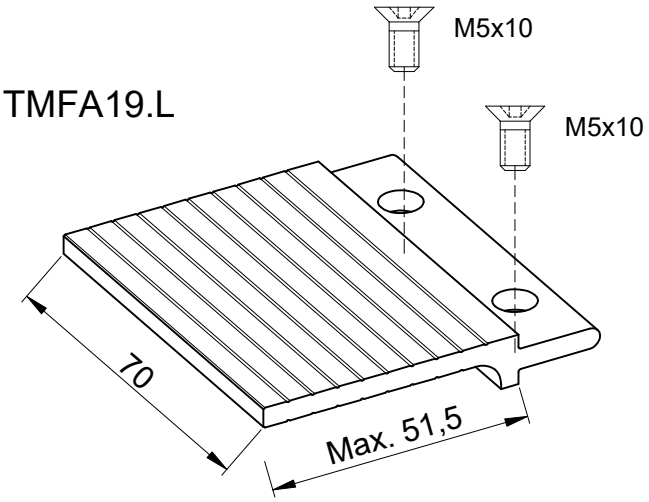
Для расчета структурного кремния присоединиться измерение расчета с неконструктивной безопасности остекления поддержки

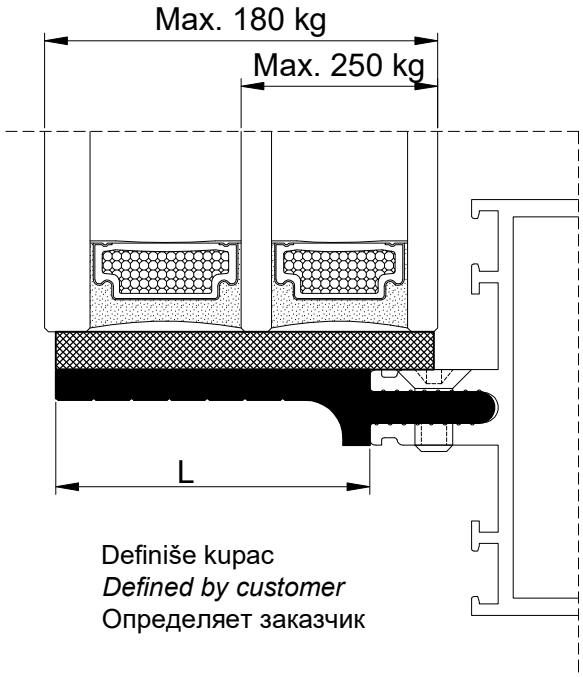
TMFA26





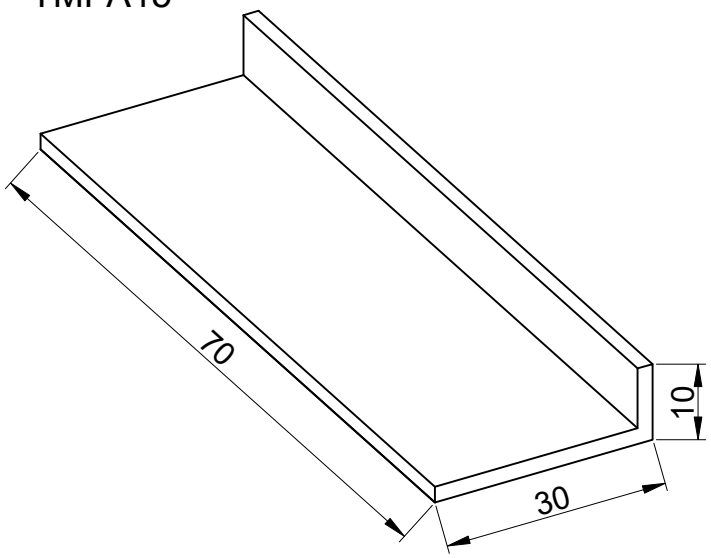
TMFA19.L

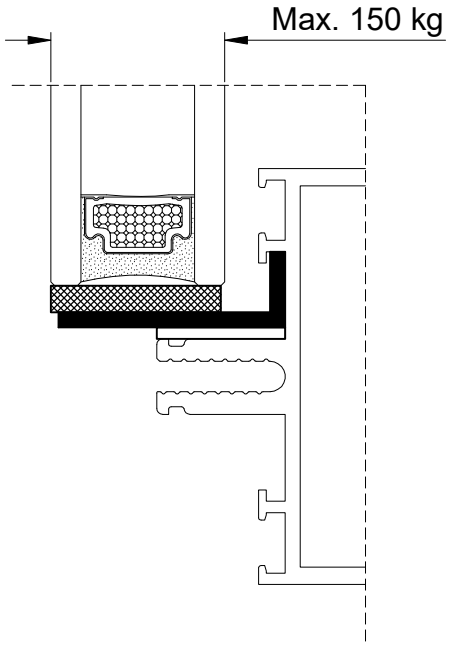




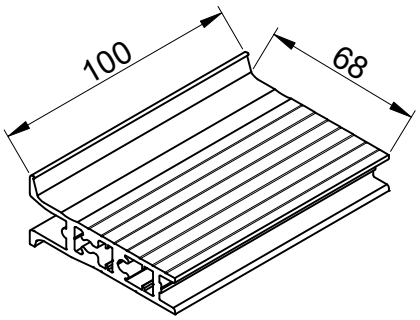
Definiše kupac
Defined by customer
Определяет заказчик

TMFA15

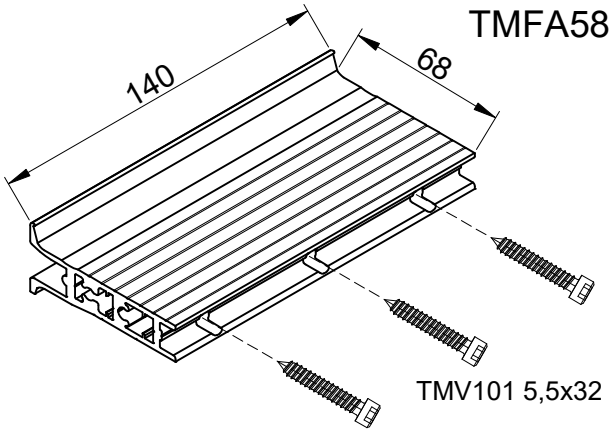




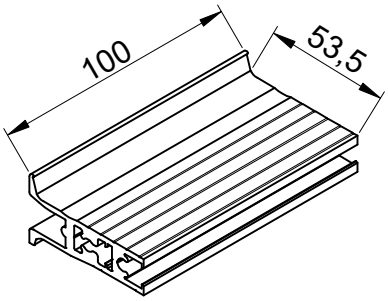
TMFA55



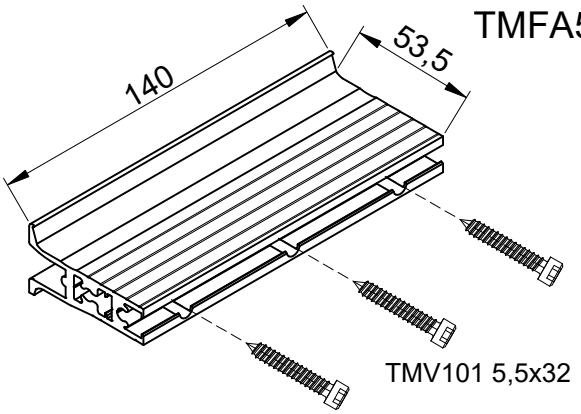
TMFA58



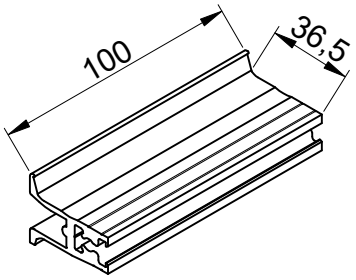
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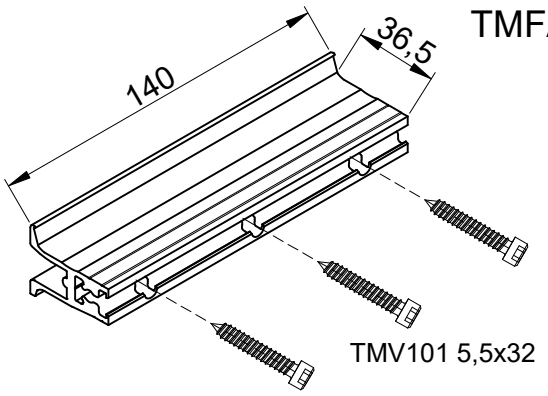
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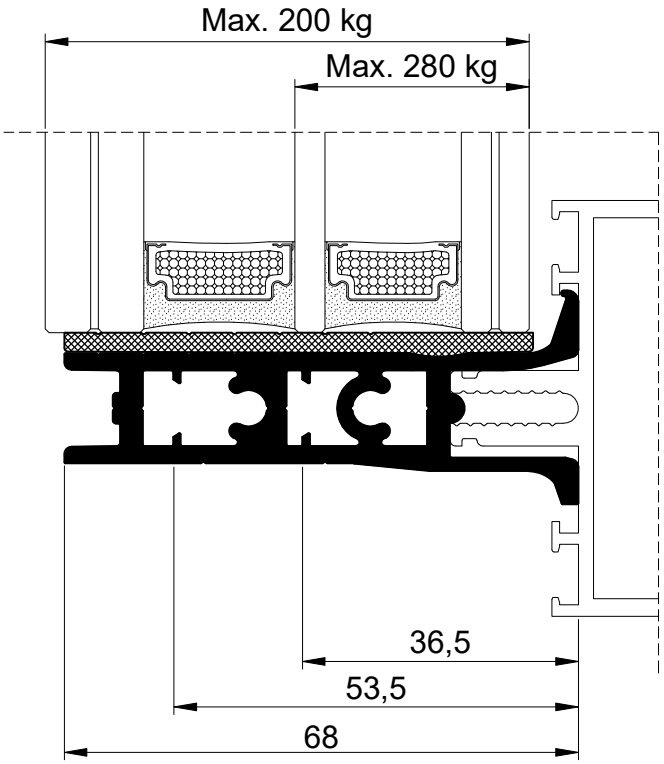


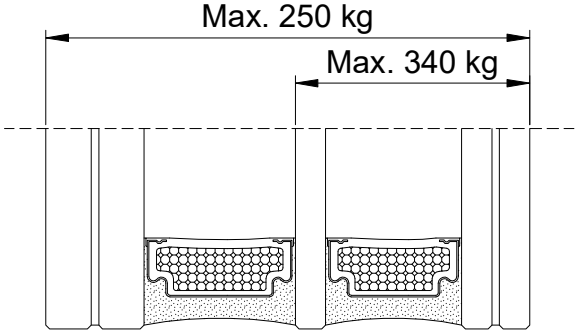
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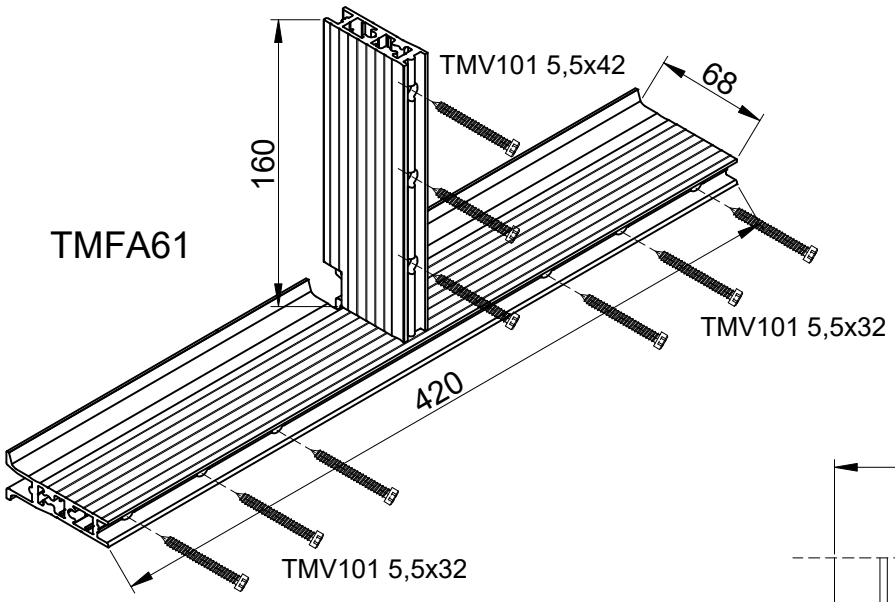


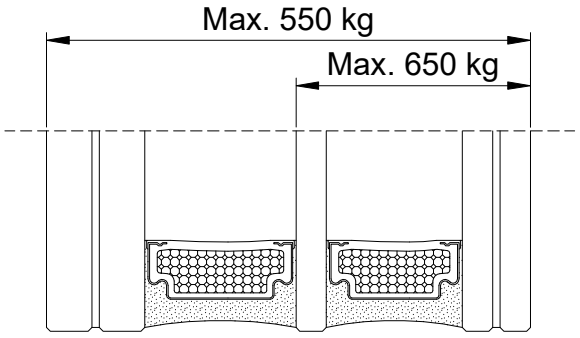
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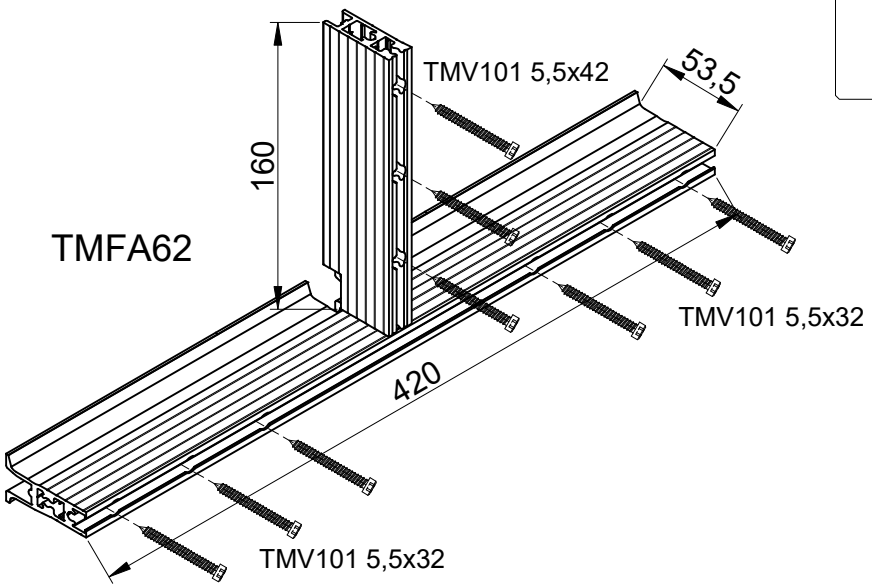


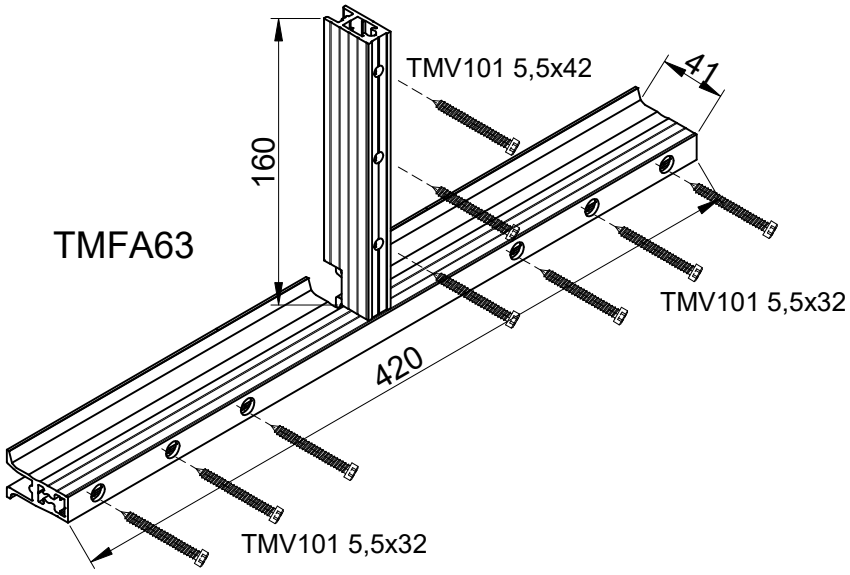




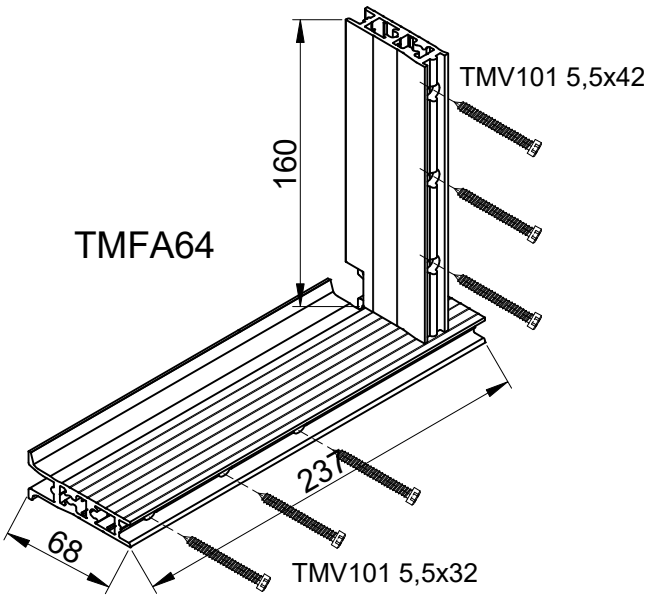

TMV101 5,5x42
68
160
TMFA61
TMV101 5,5x32
420
TMV101 5,5x32


Max. 550 kg
Max. 650 kg

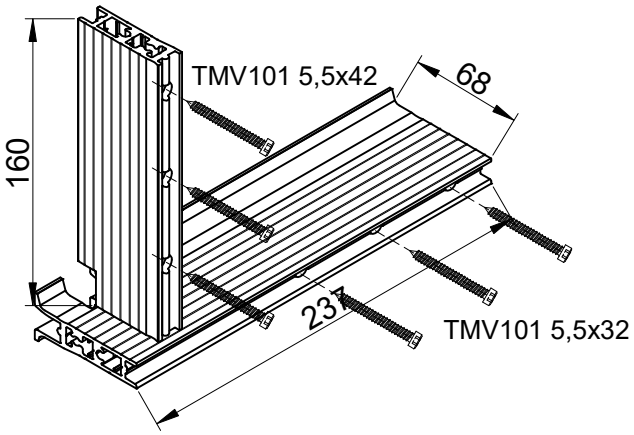

TMV101 5,5x42
53,5
160
TMFA62
TMV101 5,5x32
420
TMV101 5,5x32


TMV101 5,5x42
41
160
TMFA63
TMV101 5,5x32
420
TMV101 5,5x32

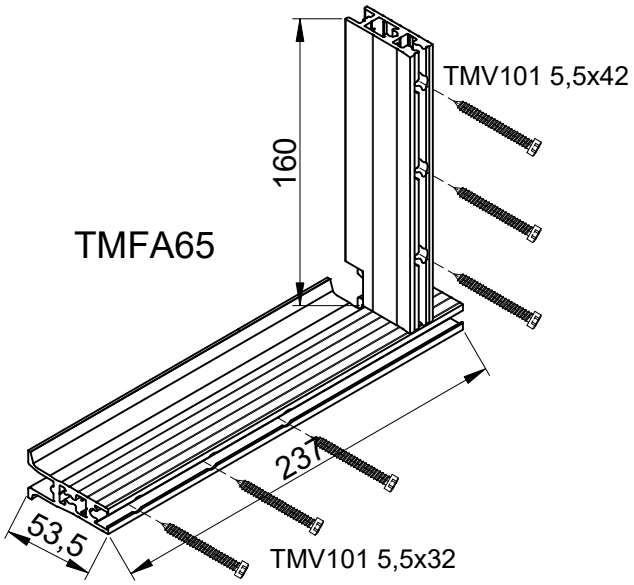
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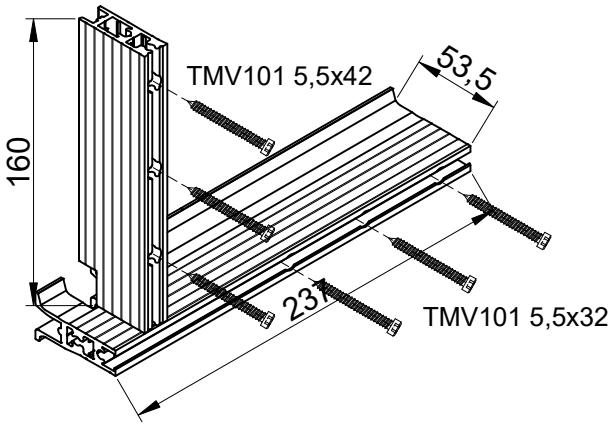
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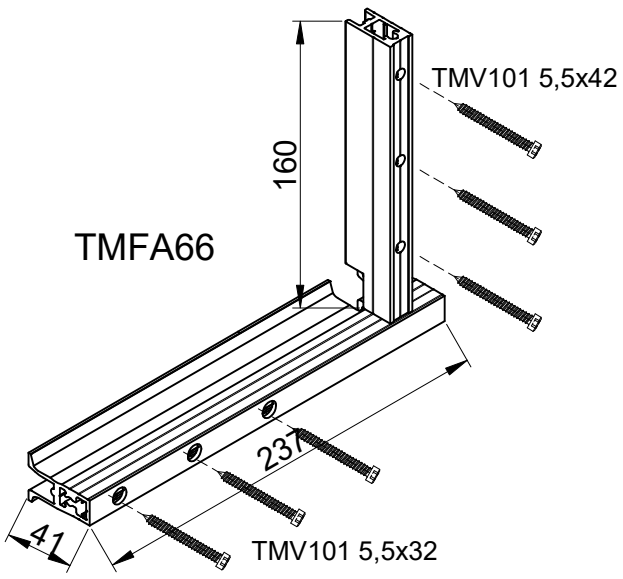
TMFA65



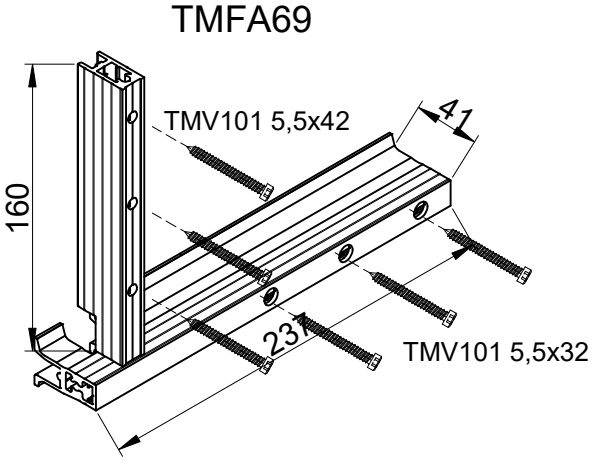
TMFA68



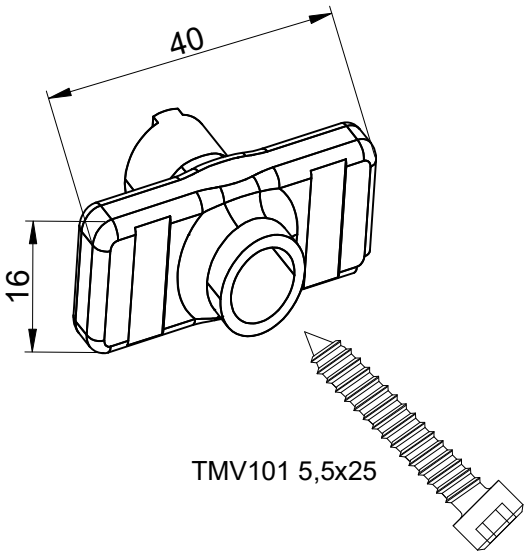
TMFA66

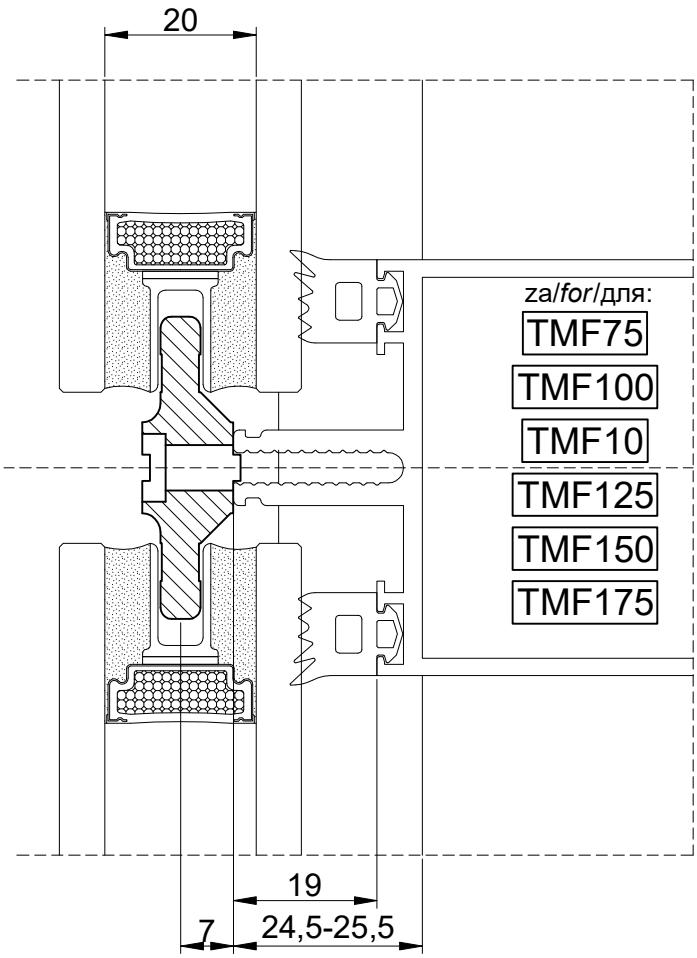


TMFA69

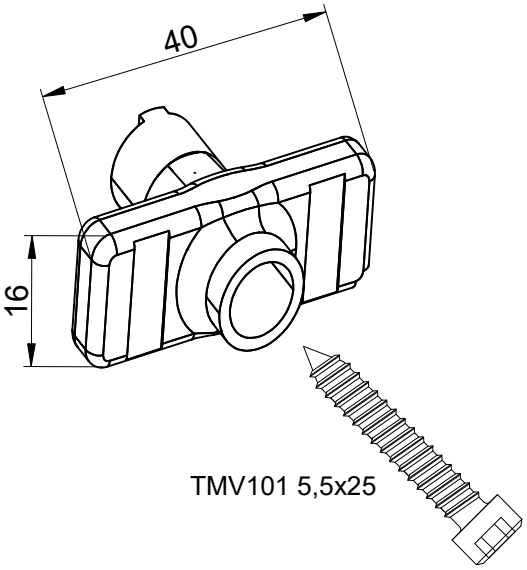


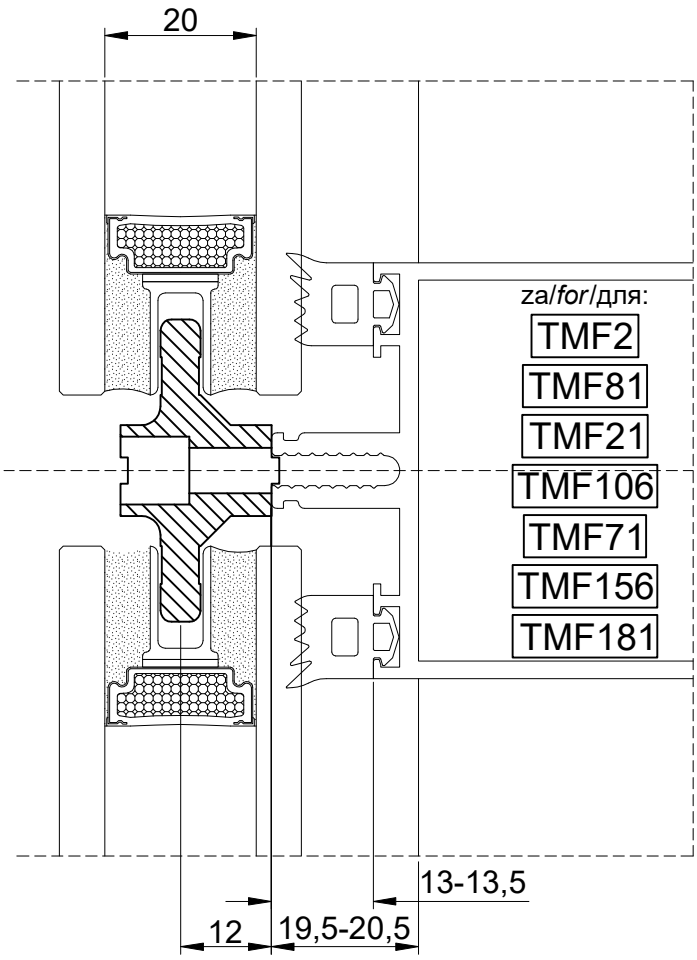
TMFA27



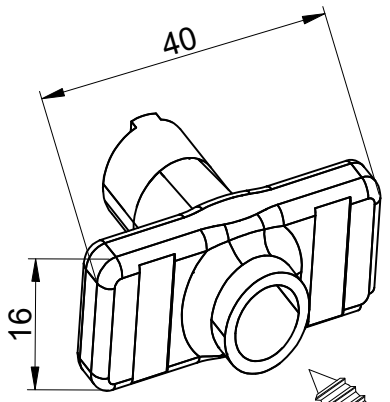


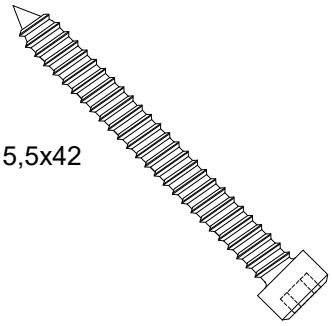
TMFA28



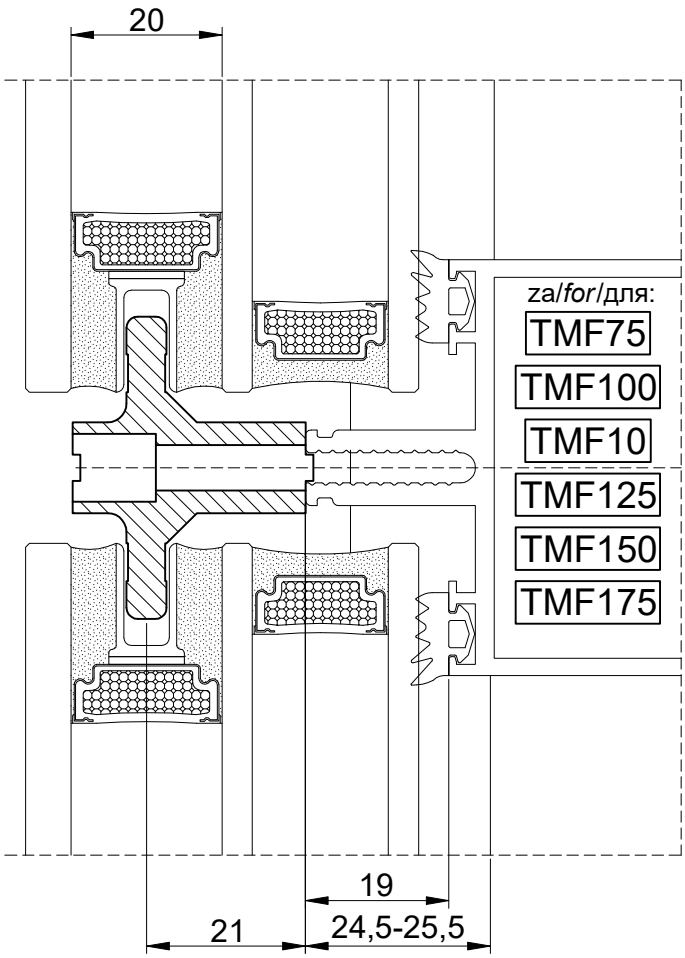


TMFA29

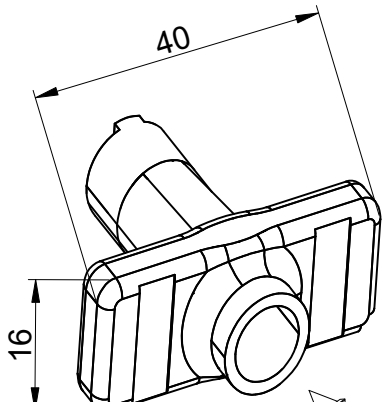


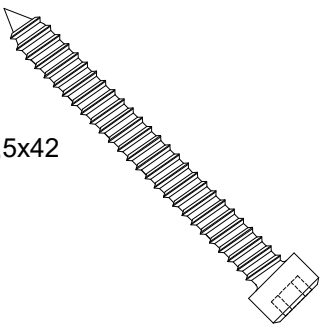


TMV101 5,5x42

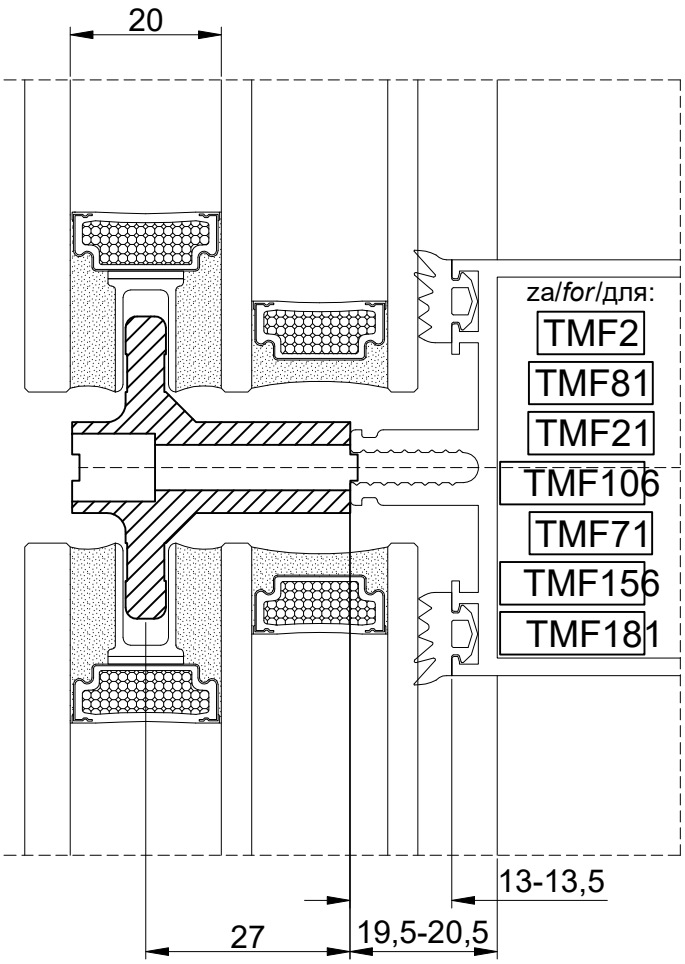


TMFA30

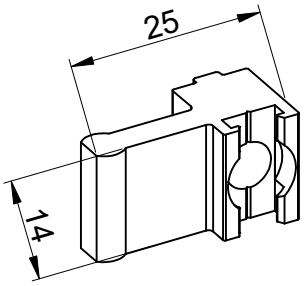


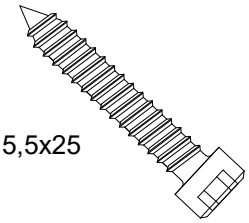


TMV101 5,5x42

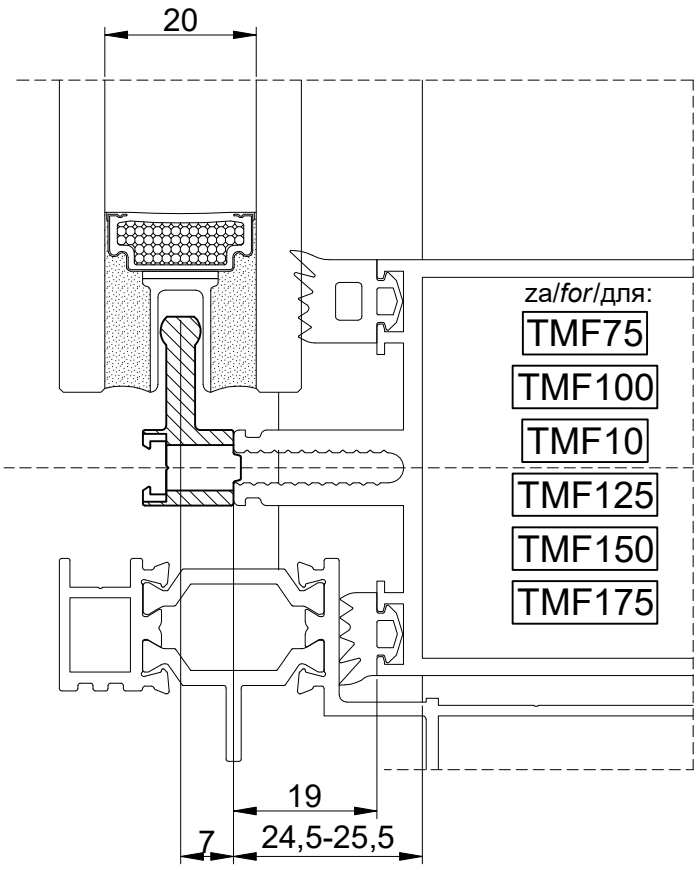


TMFA20

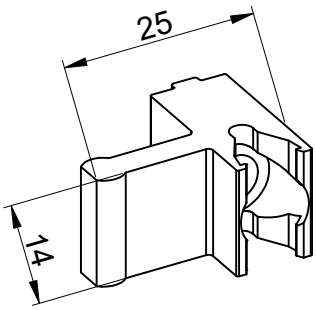


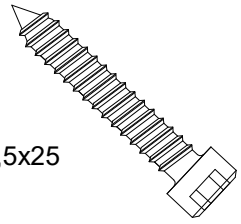


TMV101 5,5x25

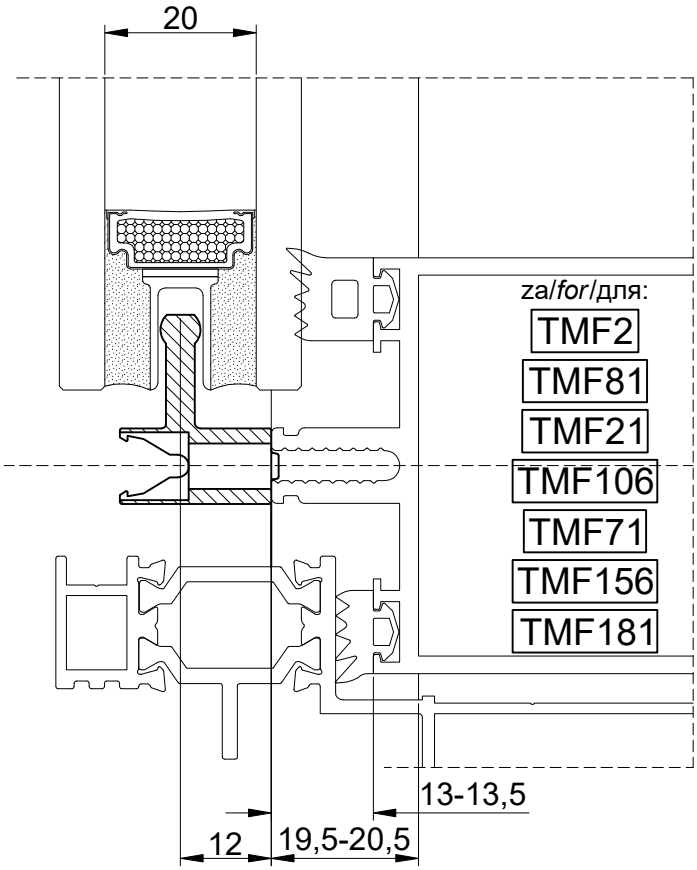


TMFA17

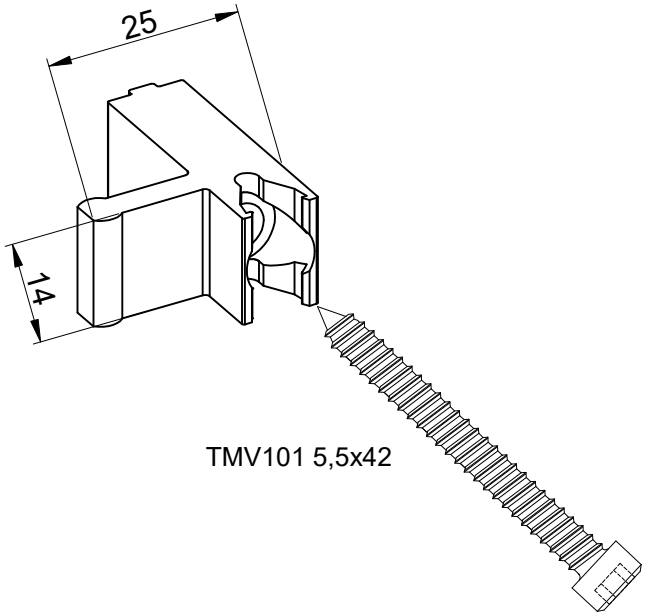


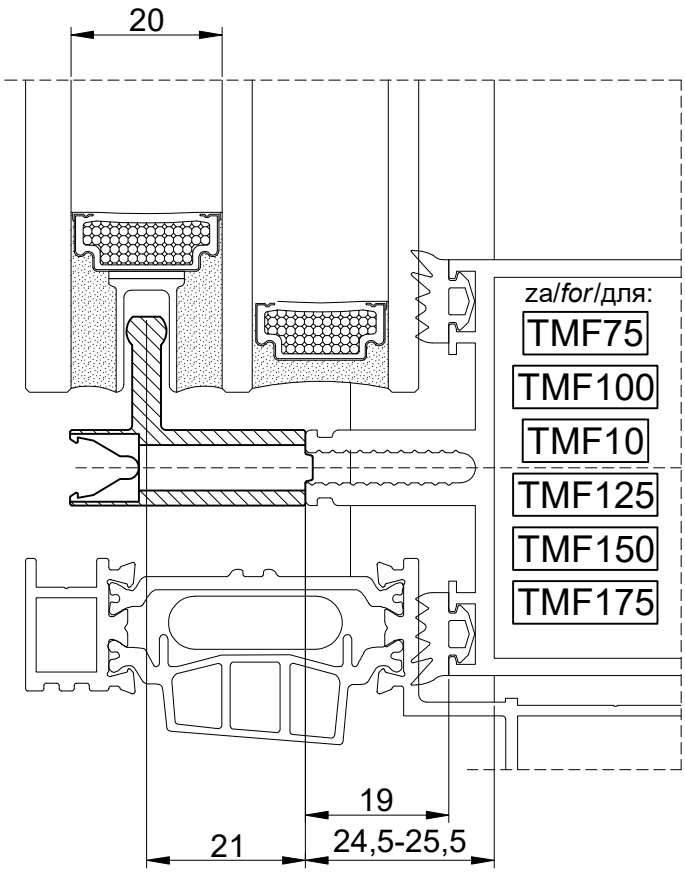


TMV101 5,5x25

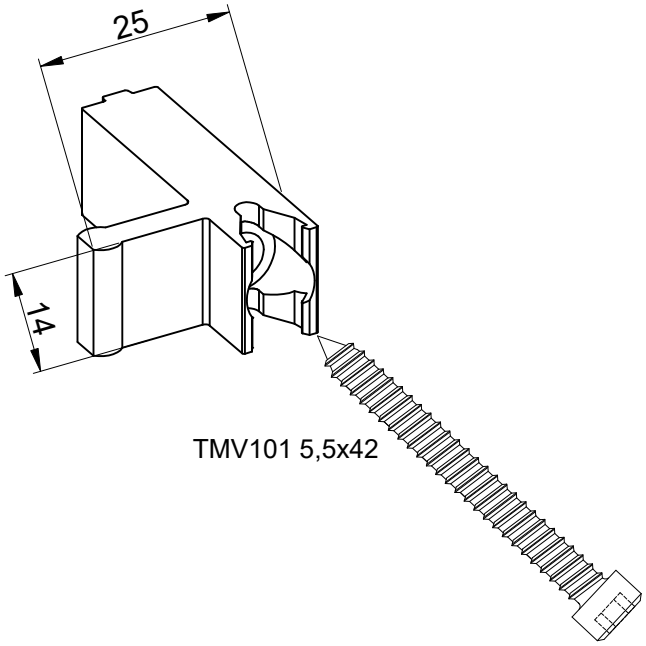


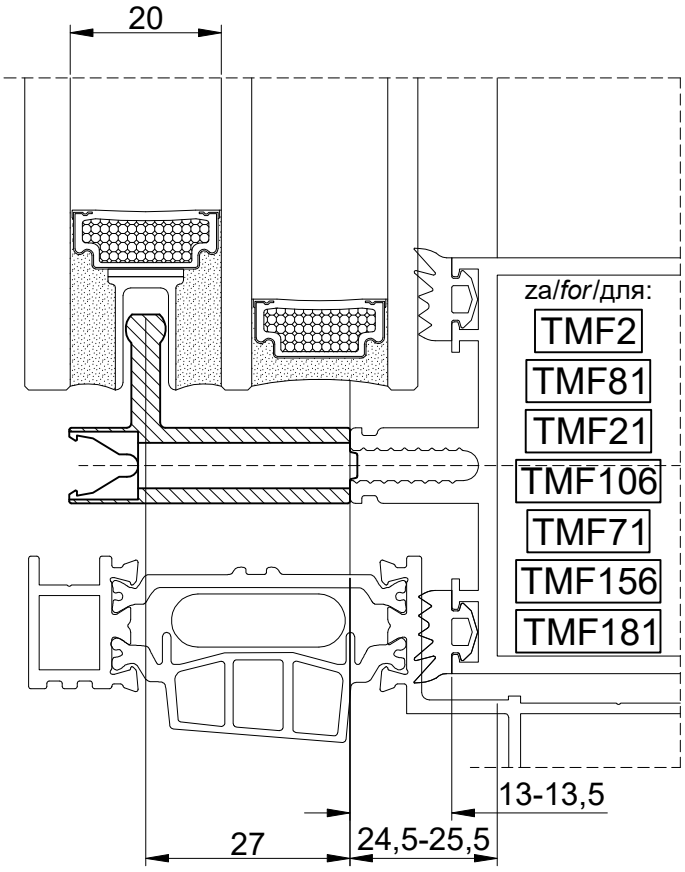
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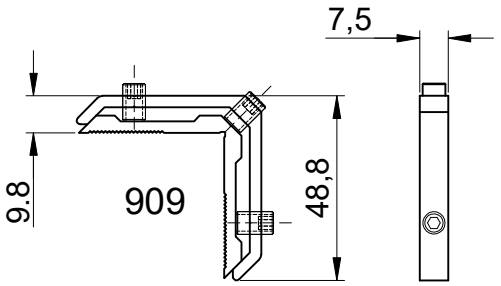




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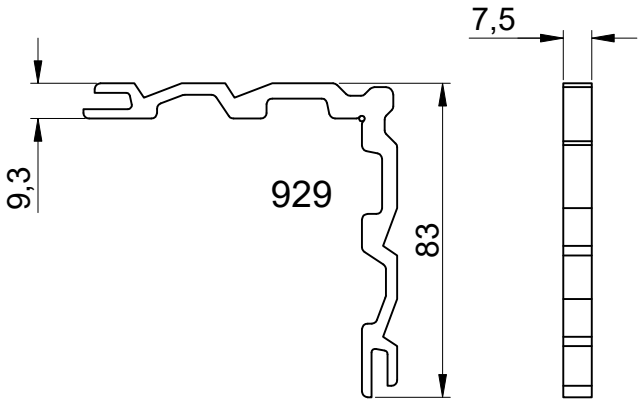






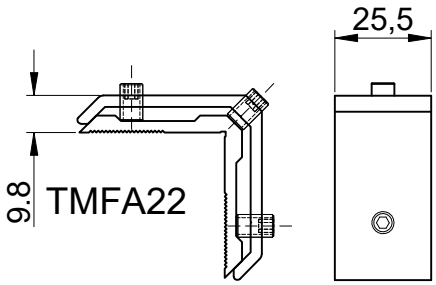
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TMF133
TMF333
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TMF353



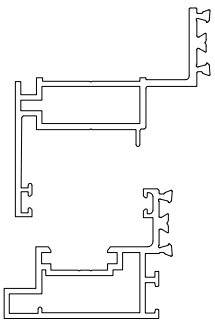


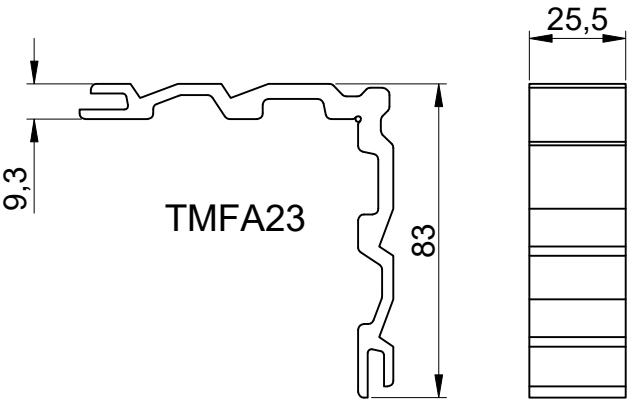
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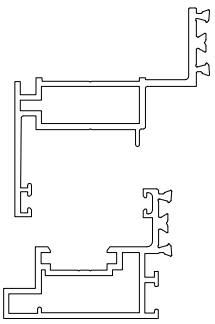


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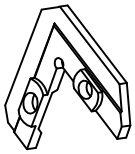




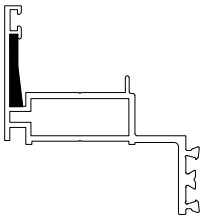
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TMF132
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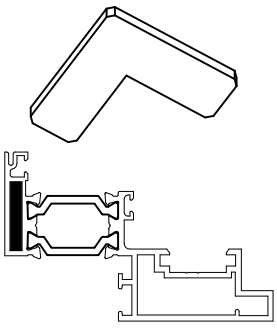
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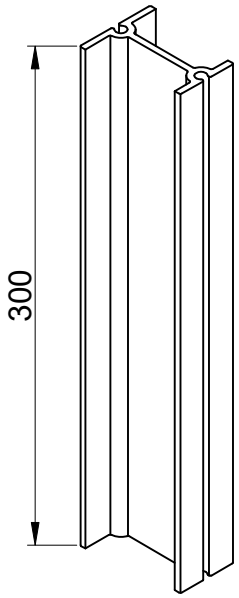
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Клип в шипе

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TMF334

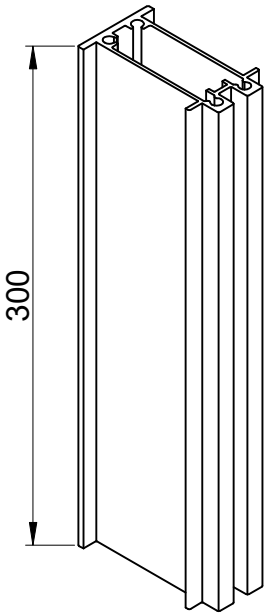
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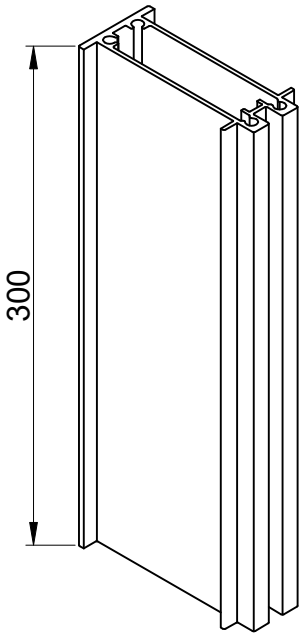
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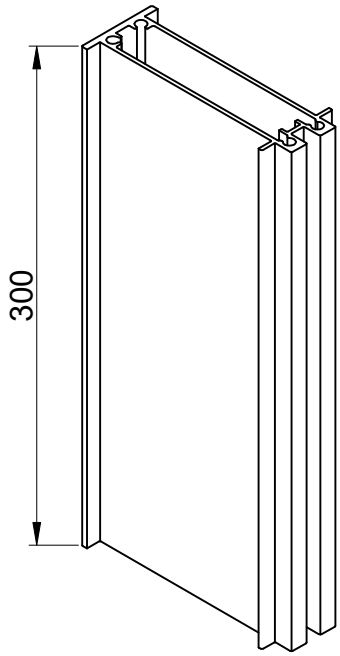
TMFK33



TMFK34

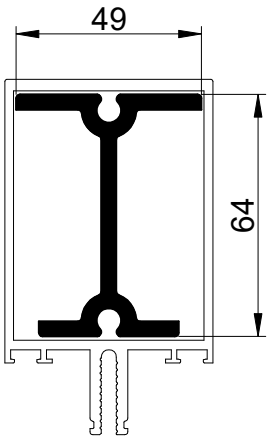


TMFK35



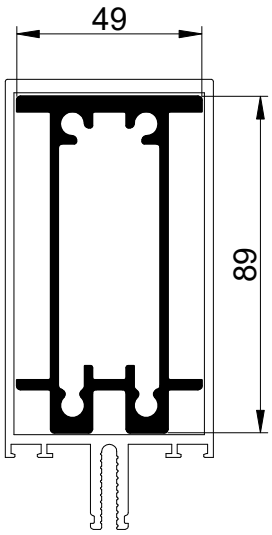
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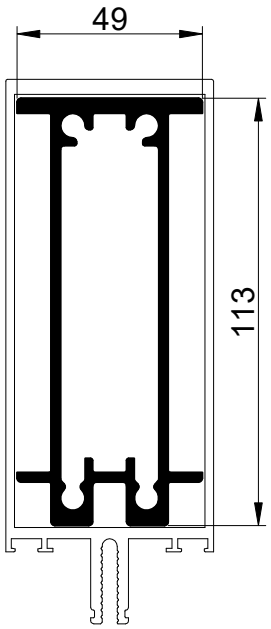
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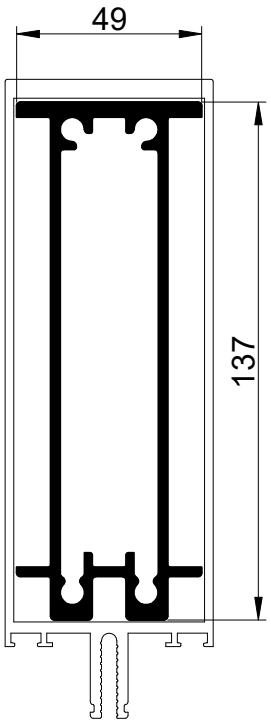
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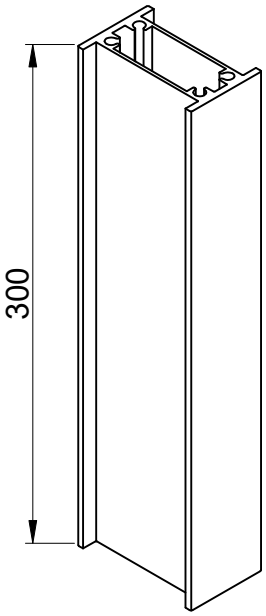


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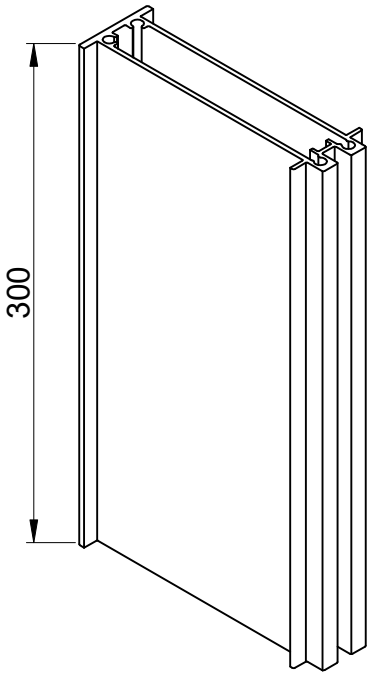
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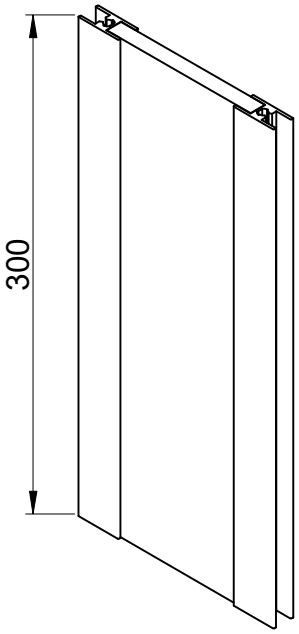
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TMFK36

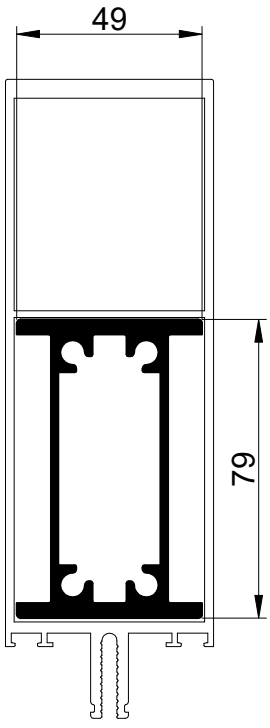


TMFK16



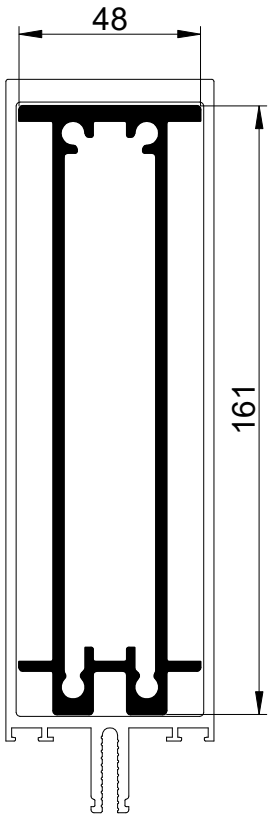
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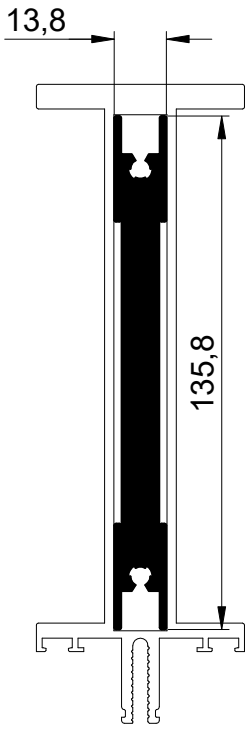
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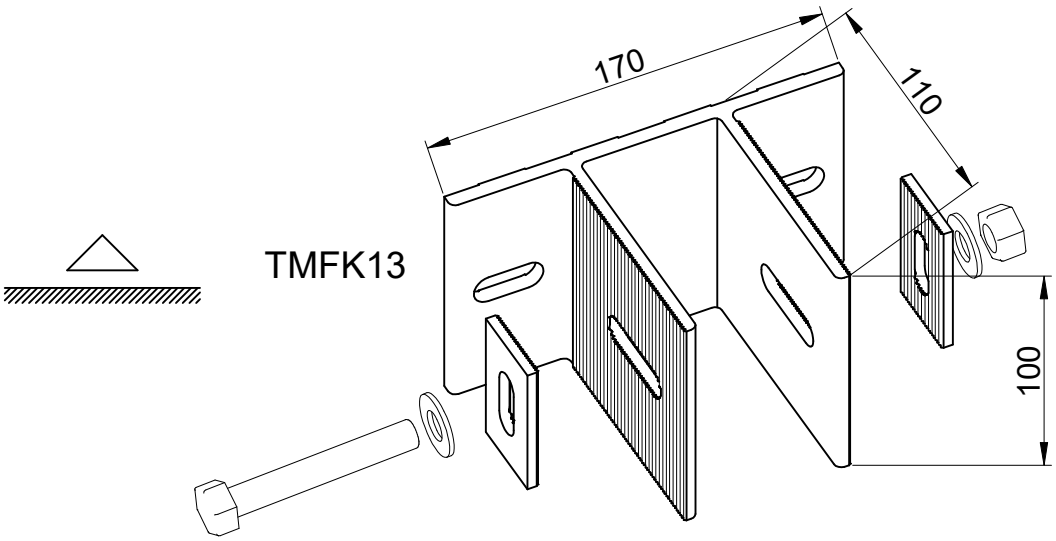
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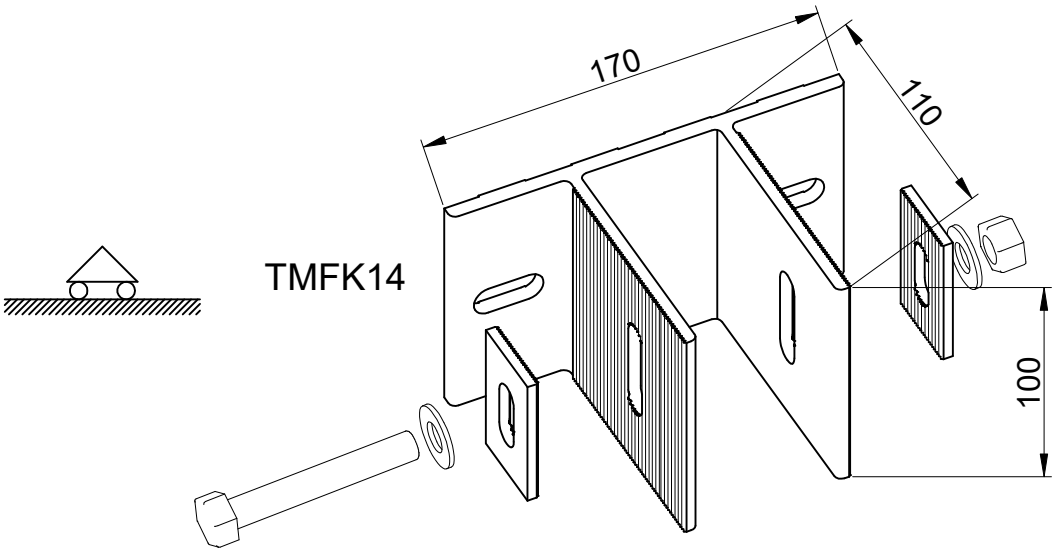
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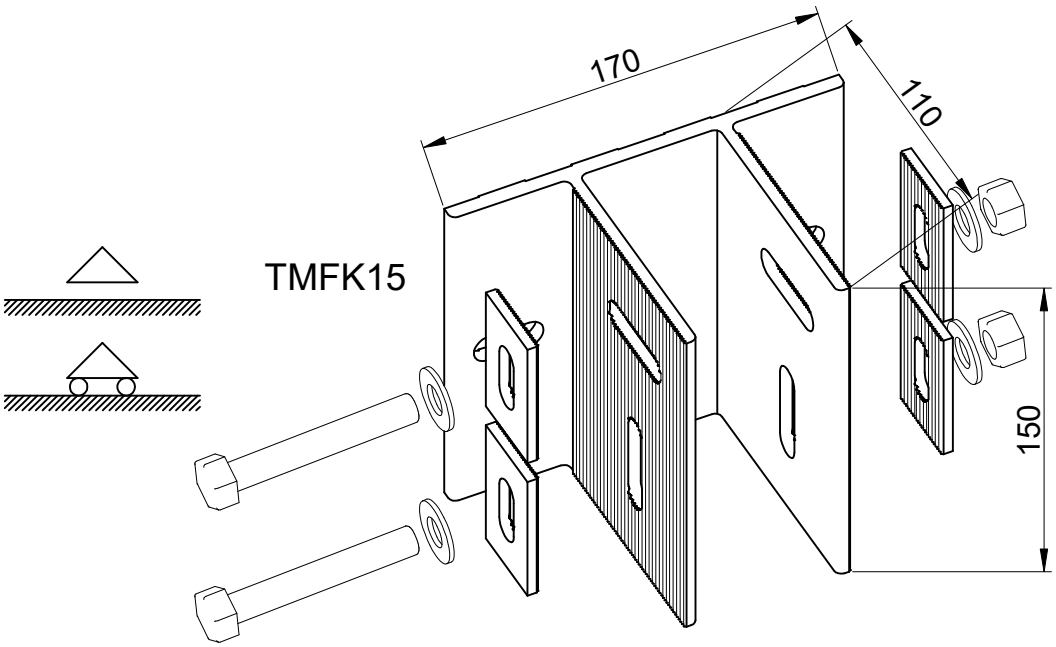




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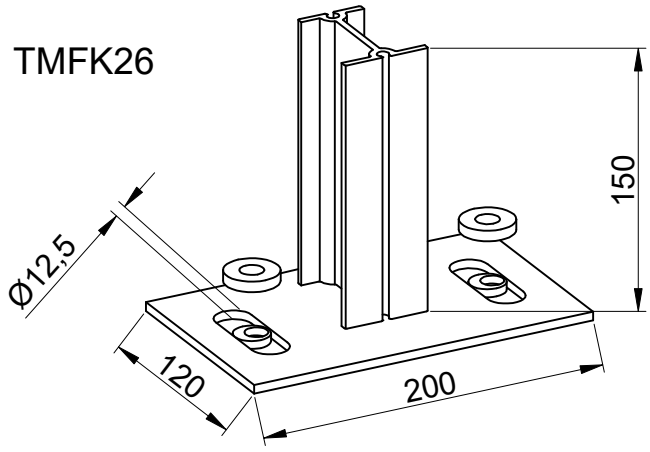


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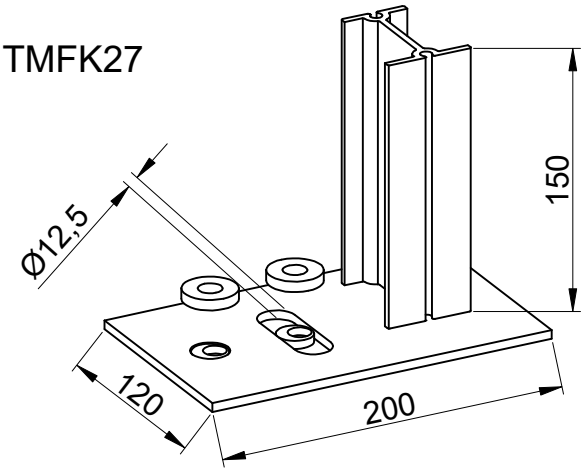


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TMFK26

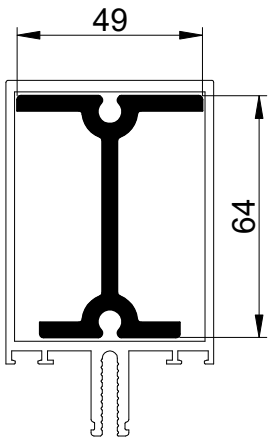


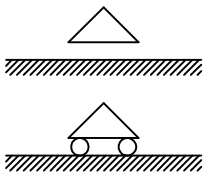
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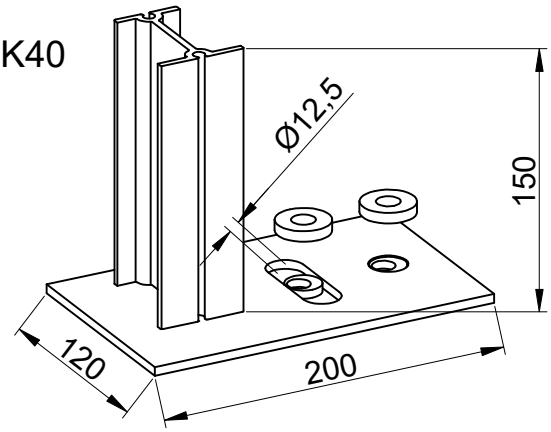
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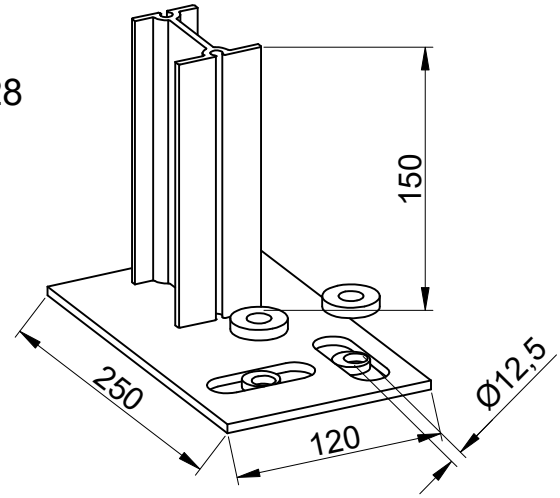




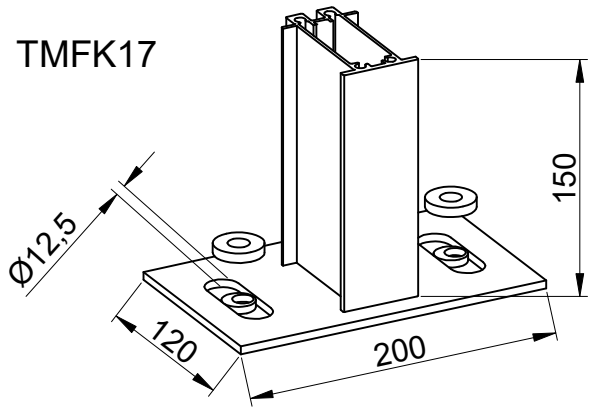
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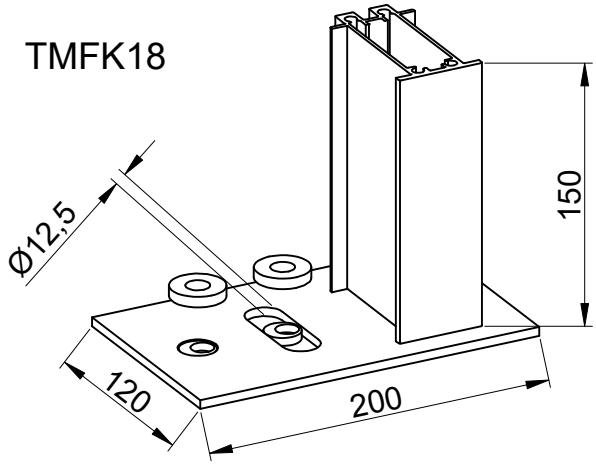
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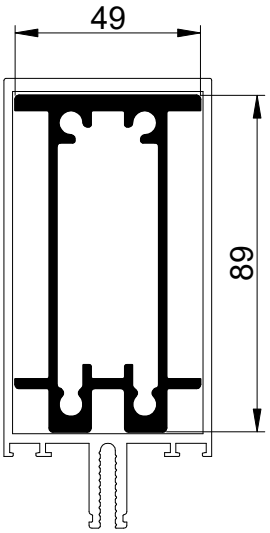


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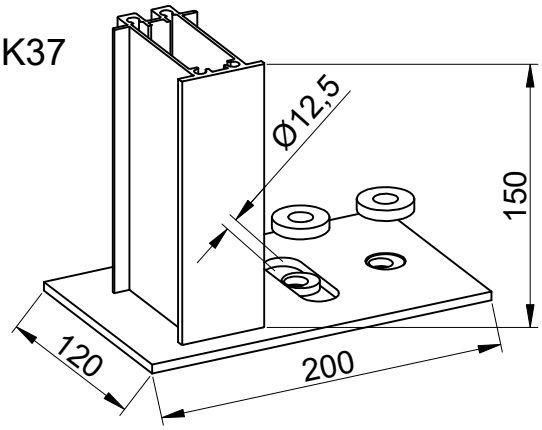


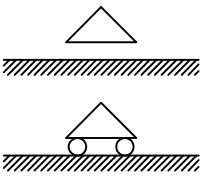
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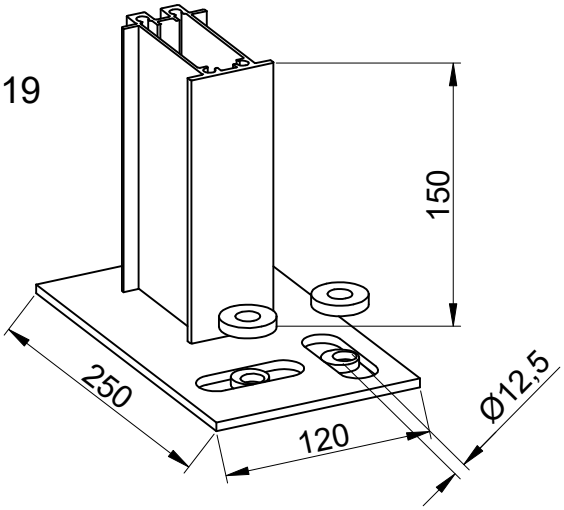


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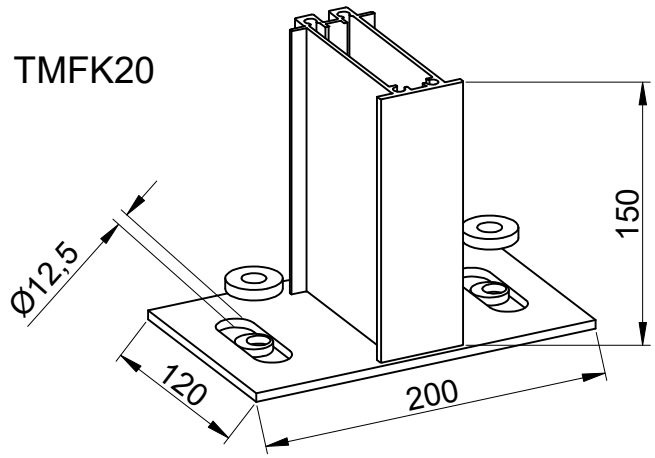




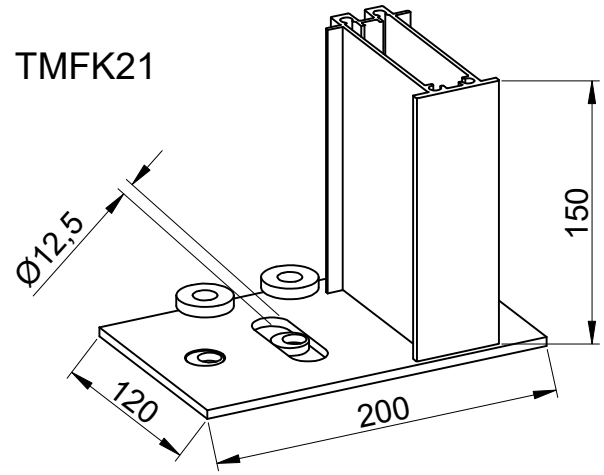
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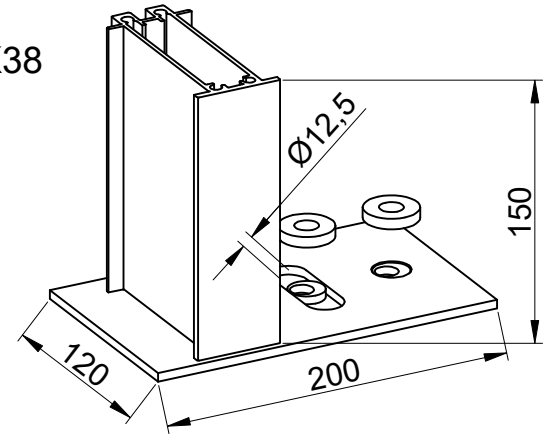
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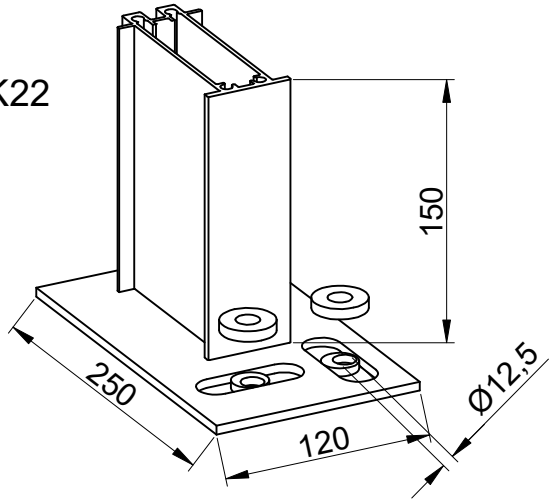
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TMFK38

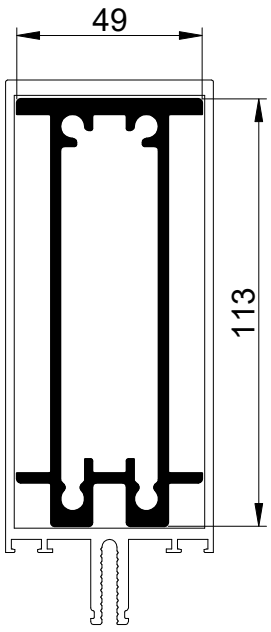


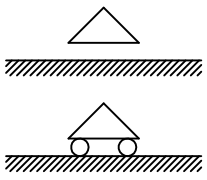
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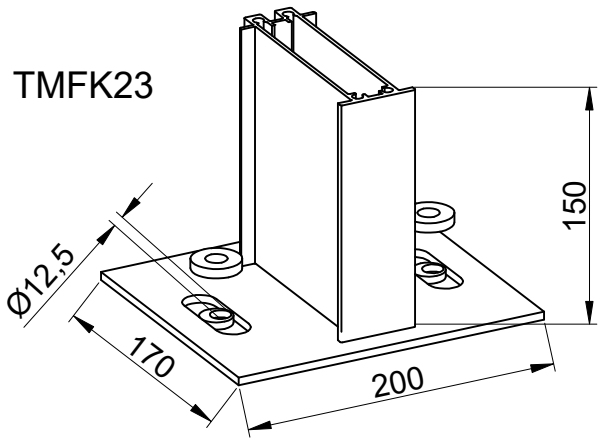
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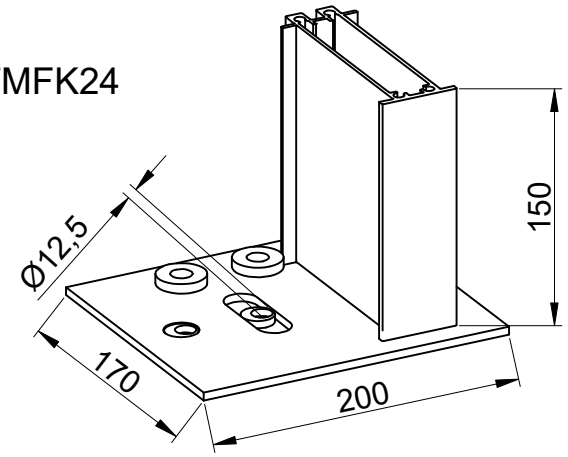




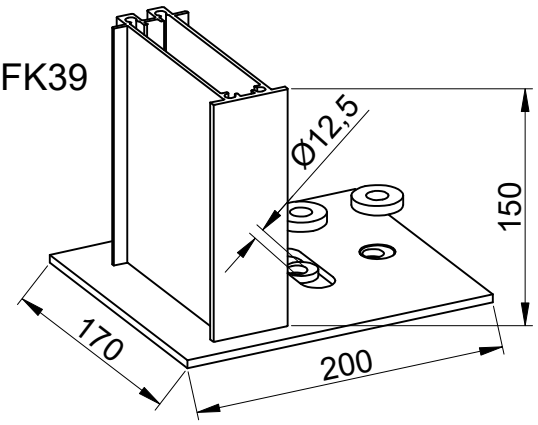
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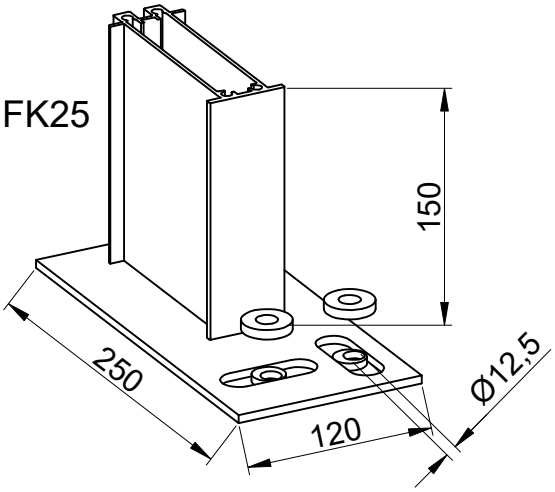
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TMFK39

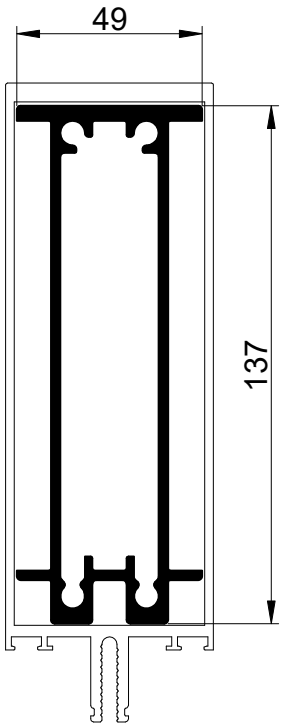


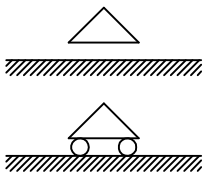
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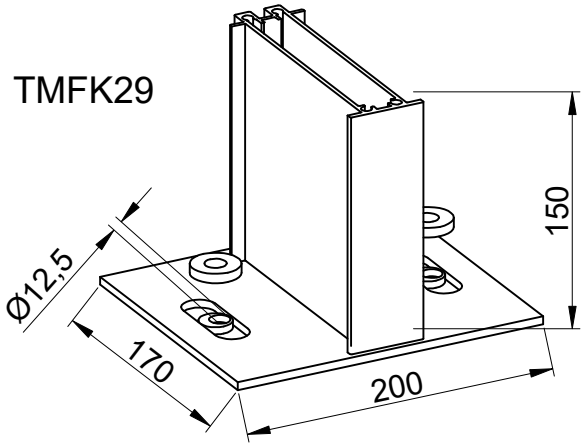
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TMF150





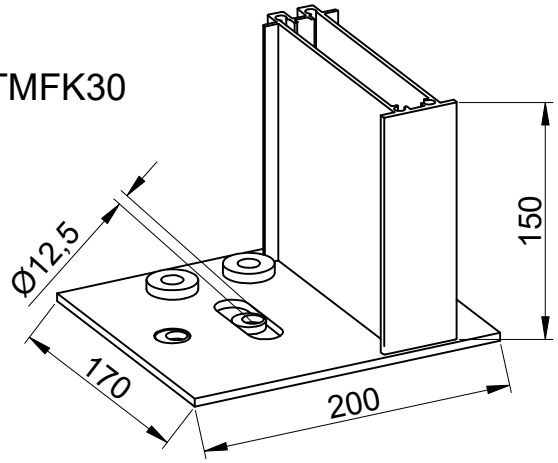
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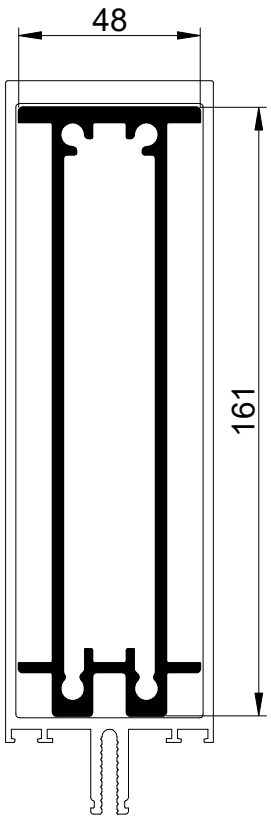


za/*for*/для:

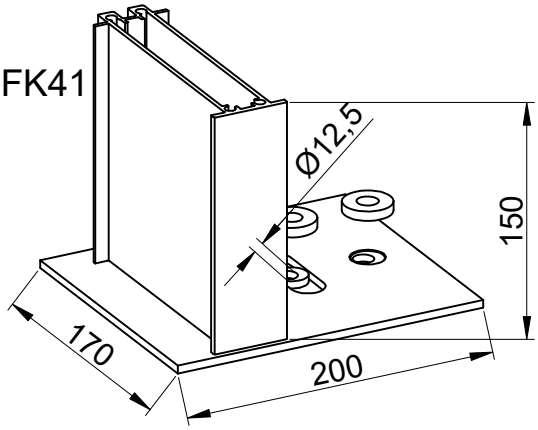
TMF175

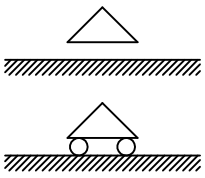
TMFK30



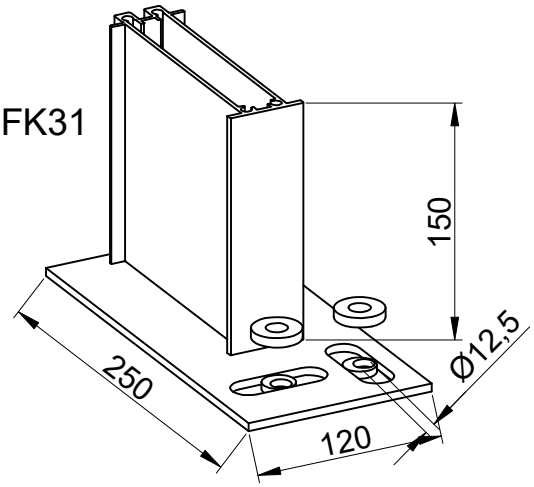


TMFK41

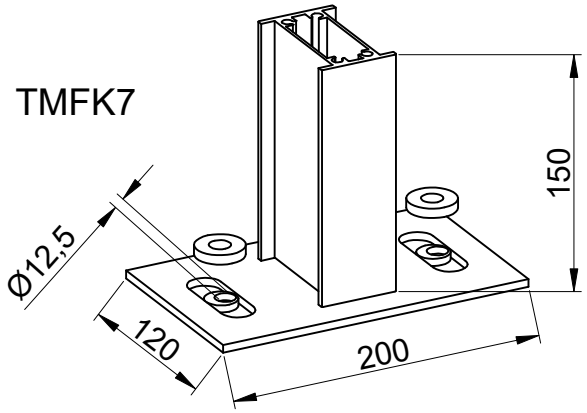




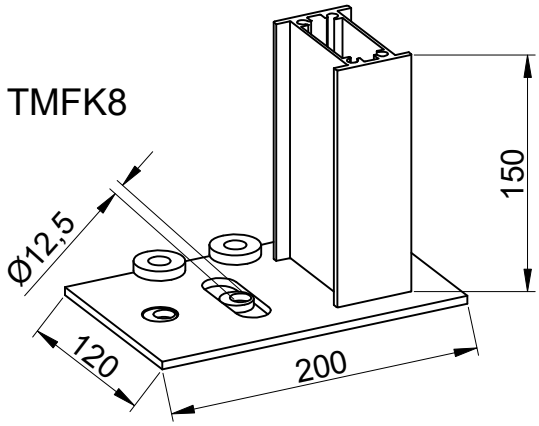
TMFK31



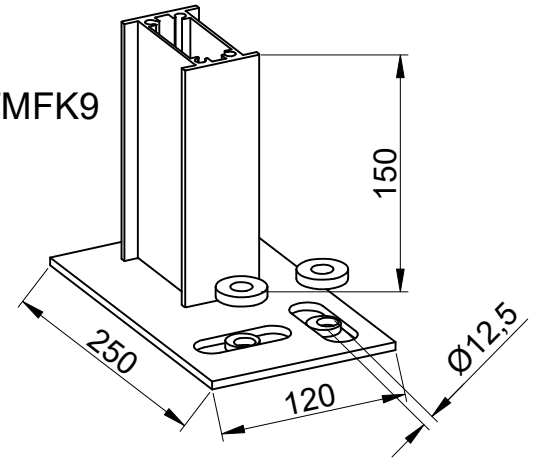
TMFK7



TMFK8

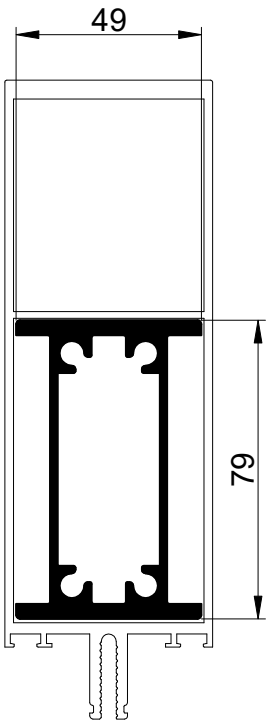


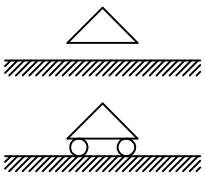
TMFK9



za/*for*/для:

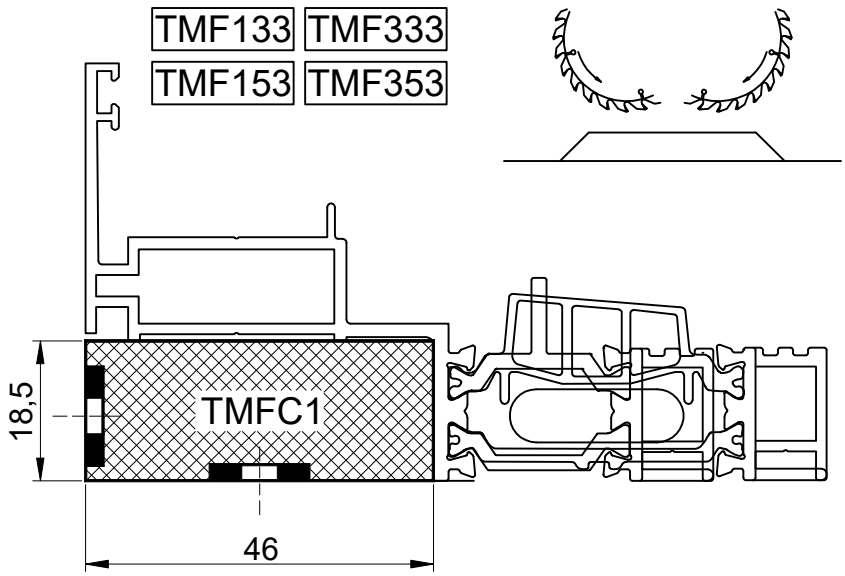
TMF10





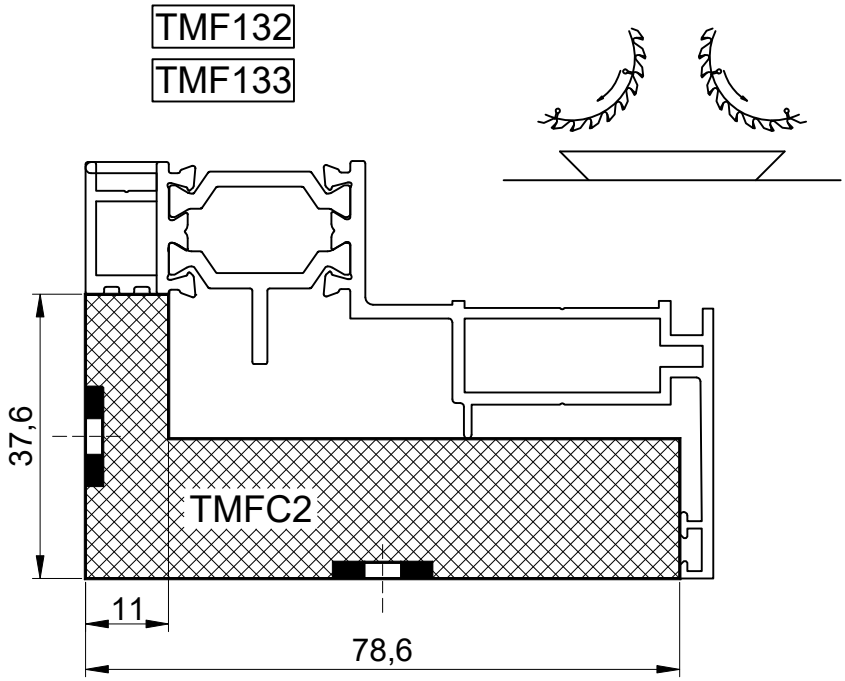
za/*for*/для:

TMF132 TMF332
TMF133 TMF333
TMF153 TMF353



za/*for*/для:

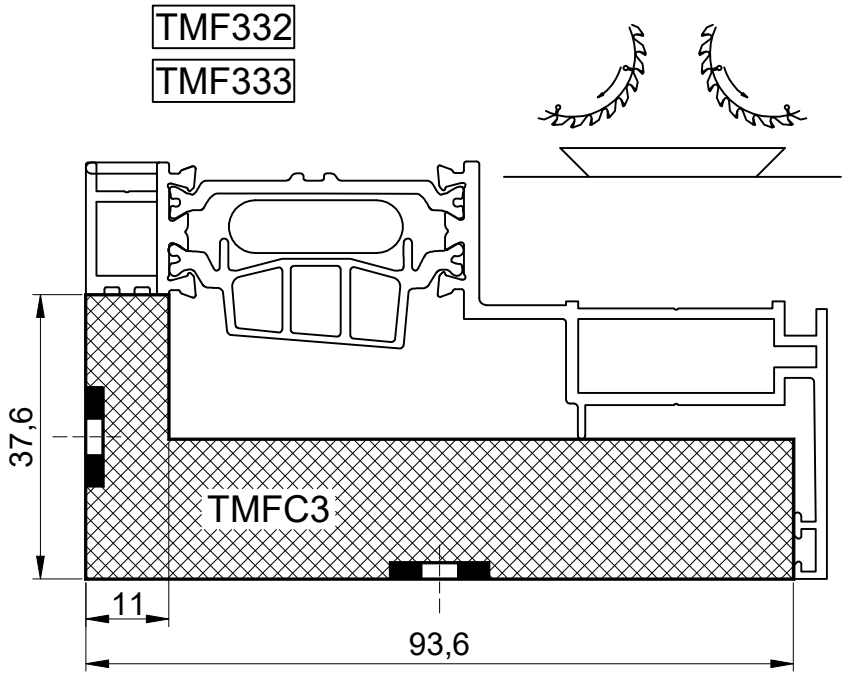
TMF132
TMF133



za/for/для:

TMF332

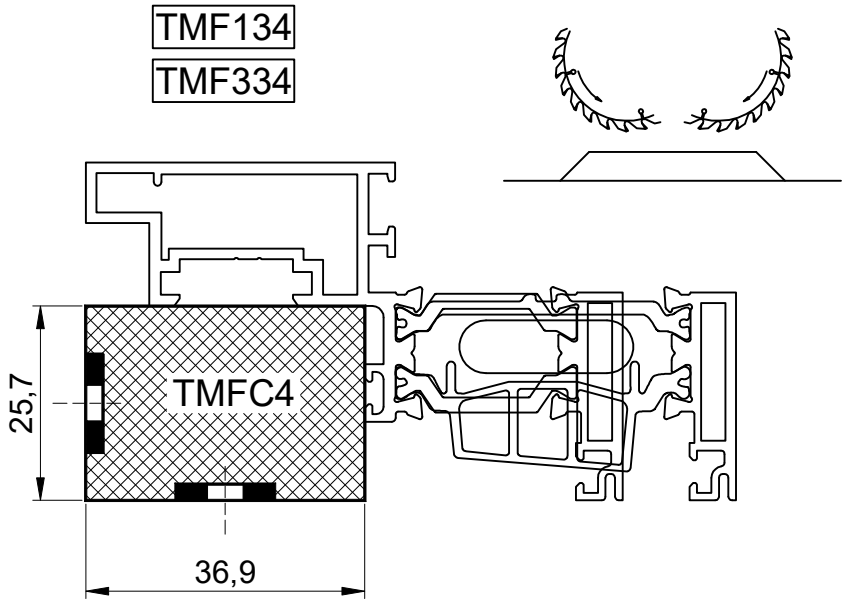
TMF333



za/for/для:

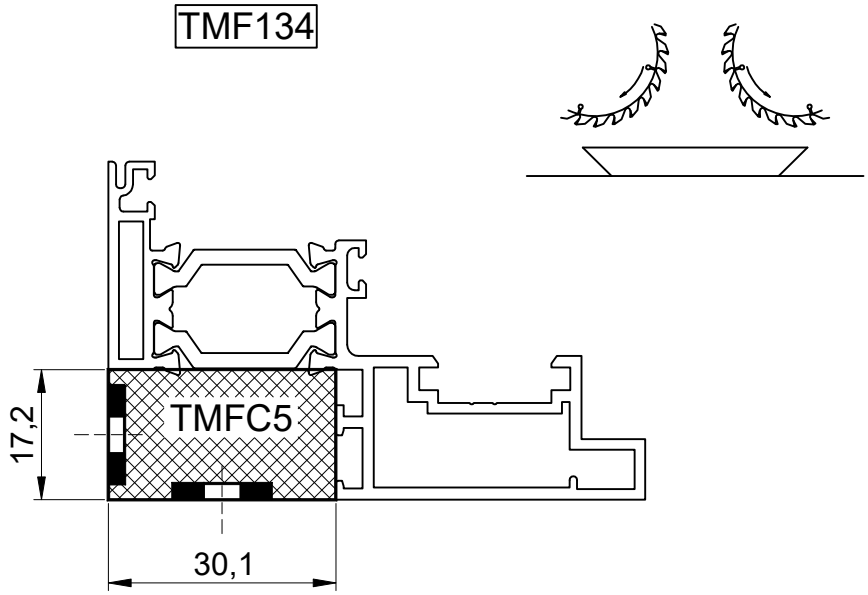
TMF134

TMF334



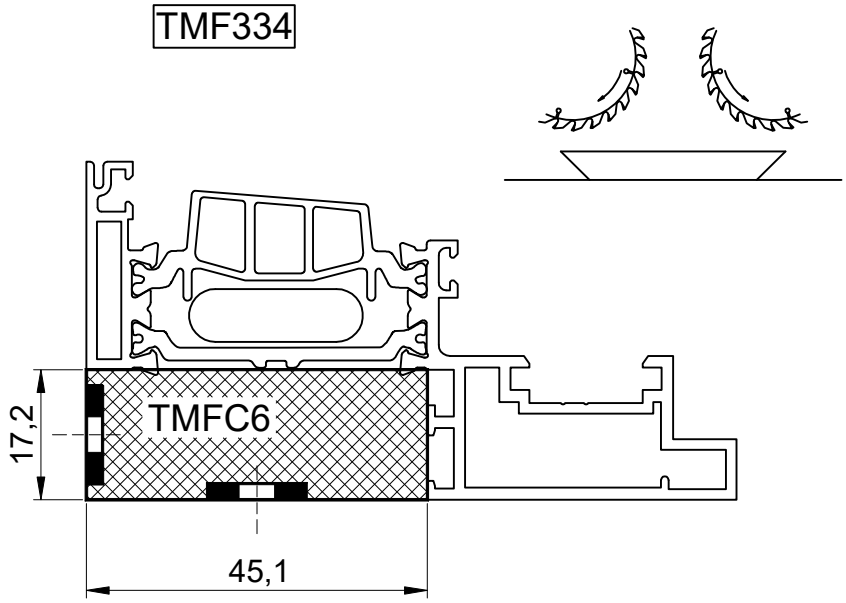
za/*for*/для:

TMF134



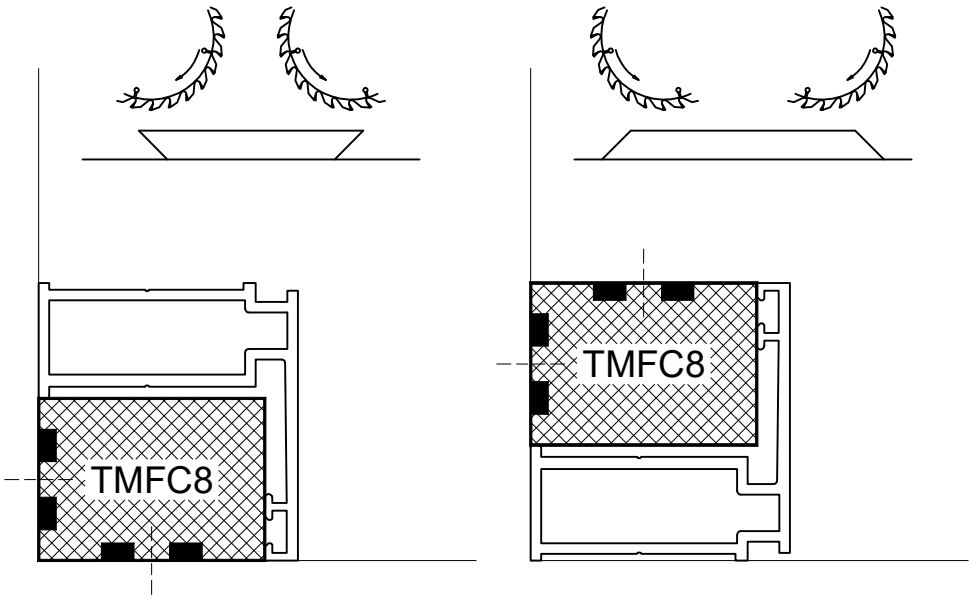
za/*for*/для:

TMF334



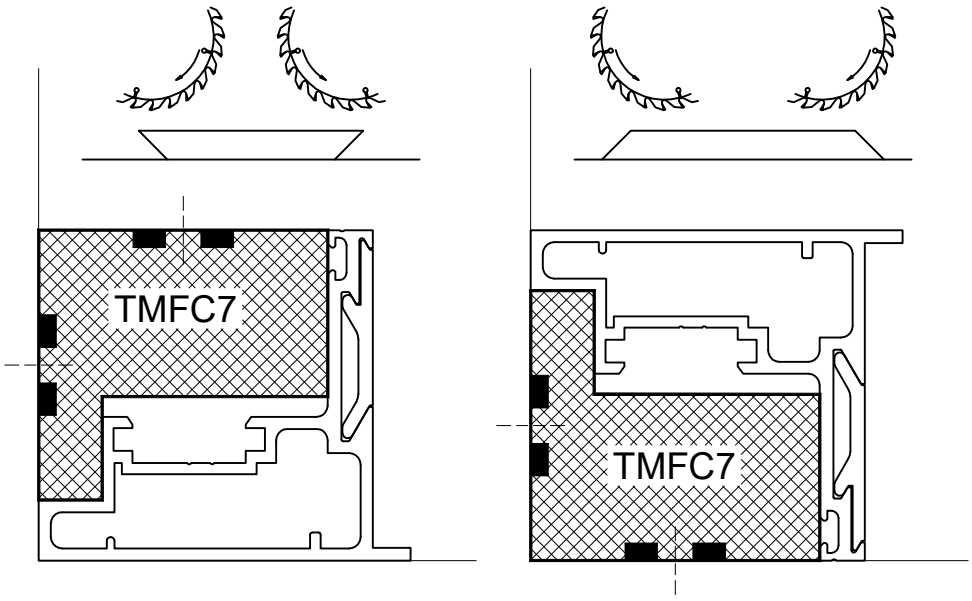
za/*for*/для:

TMF62



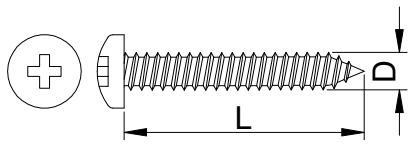
za/*for*/для:

TMF63



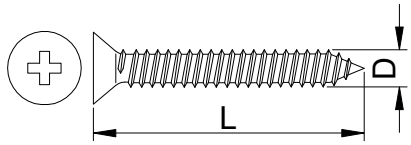
Nerđajući čelik - Standardno A2 - Na zahtev A4
Stainless steel - Standard A2 - On request A4
Нержавеющая сталь - Стандарт А2 - По запросу А4

DIN 7981



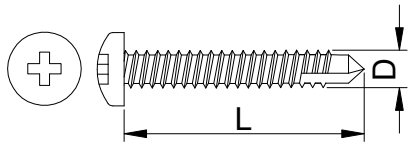
D	L(mm)
3,9	9,5 - 13 - 16 - 19 - 22 - 25 - 32
4,2	9,5 - 13 - 16 - 19 - 22 - 25 - 32 - 38 - 45 - 50 - 60
4,8	9,5 - 13 - 16 - 19 - 22 - 25 - 32 - 38 - 45 - 50 - 60 - 70
5,5	13 - 16 - 19 - 22 - 25 - 32 - 38 - 45 - 50 - 60 - 70
6,3	13 - 16 - 19 - 22 - 25 - 32 - 38 - 45 - 50 - 60 - 70

DIN 7982



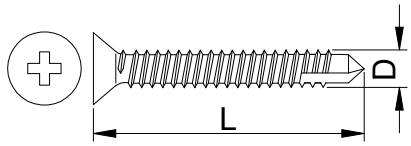
D	L(mm)
3,9	9,5 - 13 - 16 - 19 - 22 - 25 - 32
4,2	9,5 - 13 - 16 - 19 - 22 - 25 - 32 - 38 - 45 - 50 - 60
4,8	9,5 - 13 - 16 - 19 - 22 - 25 - 32 - 38 - 45 - 50 - 60 - 70
5,5	13 - 16 - 19 - 22 - 25 - 32 - 38 - 45 - 50 - 60 - 70
6,3	13 - 16 - 19 - 22 - 25 - 32 - 38 - 45 - 50 - 60 - 70

DIN 7504N



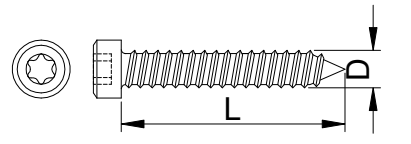
D	L(mm)
3,9	9,5 - 13 - 16 - 19 - 22 - 25 - 32
4,2	9,5 - 13 - 16 - 19 - 22 - 25 - 32 - 38 - 45 - 50 - 60
4,8	9,5 - 13 - 16 - 19 - 22 - 25 - 32 - 38 - 45 - 50 - 60 - 70
5,5	13 - 16 - 19 - 22 - 25 - 32 - 38 - 45 - 50 - 60 - 70
6,3	13 - 16 - 19 - 22 - 25 - 32 - 38 - 45 - 50 - 60 - 70

DIN 7504P



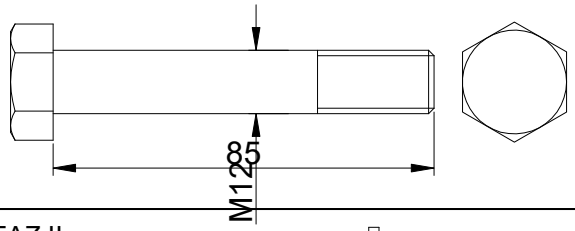
D	L(mm)
3,9	9,5 - 13 - 16 - 19 - 22 - 25 - 32
4,2	9,5 - 13 - 16 - 19 - 22 - 25 - 32 - 38 - 45 - 50 - 60
4,8	9,5 - 13 - 16 - 19 - 22 - 25 - 32 - 38 - 45 - 50 - 60 - 70
5,5	13 - 16 - 19 - 22 - 25 - 32 - 38 - 45 - 50 - 60 - 70
6,3	13 - 16 - 19 - 22 - 25 - 32 - 38 - 45 - 50 - 60 - 70

TMV 101



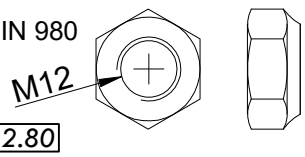
D	L(mm)
5,5	25 - 32 - 35 - 42 - 50 - 55 - 60 - 70 - 75

DIN 931



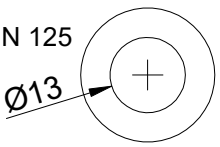
A2.80
A1.80

DIN 980

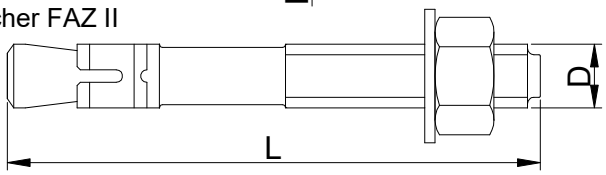


A2.80
A1.80

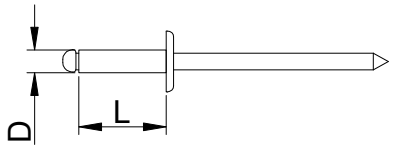
DIN 125



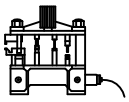
Fischer FAZ II



DIN 7337



D	L(mm)	D	L(mm)
M8	75 - 95 - 115 - 165 - 225	3,2	6 - 8 - 10 - 12 - 14 - 16
M10	95 - 105 - 115 - 135 - 155 - 165 - 185 - 245	4,0	6 - 8 - 10 - 12 - 14 - 16 - 18
M12	110 - 120 - 130 - 150 - 160 - 180 -200 - 260	4,8	8 - 10 - 12 - 14 - 16 - 18 - 20 - 25

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	● ◉ ▩
	Lepak za gumu *Gasket glue* Клей для прокладки	3M	RT3500B	20 g	●
		Würth	189309631	20 g	
	Čistač *Cleaner* Средство для чистки	Reca	Arecal 0895410500	500 ml	
	Pneumatska presa *Pneumatic press* Пневматический пресс	Bisal	CS55 P1	1	
	Strukturalni silikon *Structural silicone* Структурная силиконавая	Dow Corning	Dow Corning 791	800 gr	●
	Strukturalni silikon *Structural silicone* Структурная силиконавая	Dow Corning	Dow Corning 993	800 gr	●

● Crno / *Black* / Черный
◉ Sivo / *Gray* / Серый
▩ Belo / *White* / Белый
○ Transparentno / *Transparent* / Прозрачный

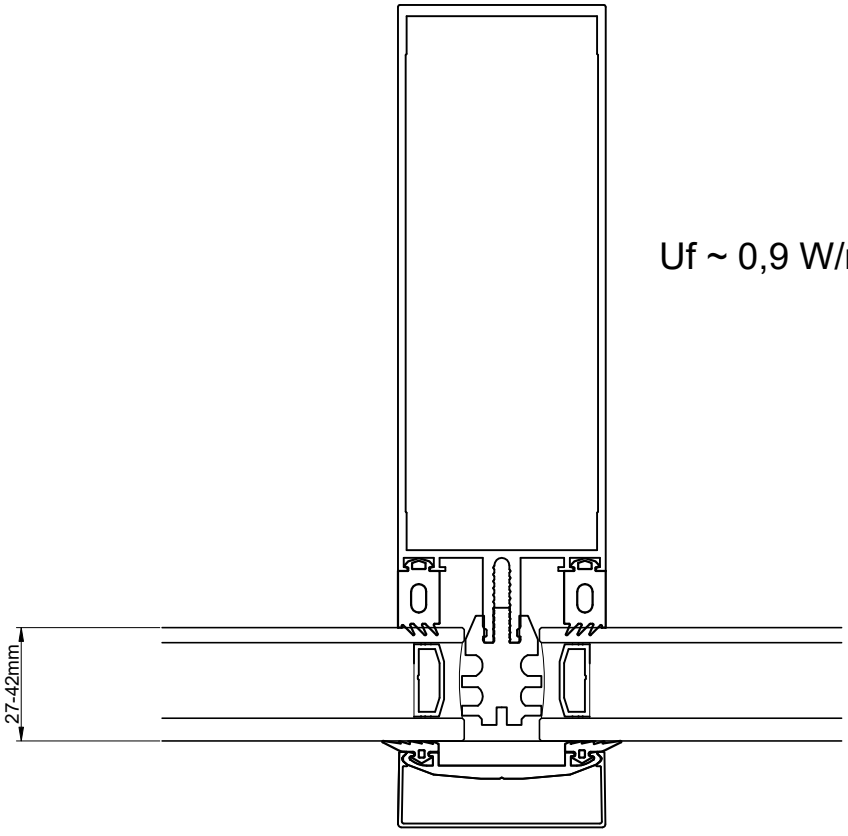
Sistem
System
Система

ALUMINIK CS55

Kontinualna fasada
Continual facade
Непрерывный фасад

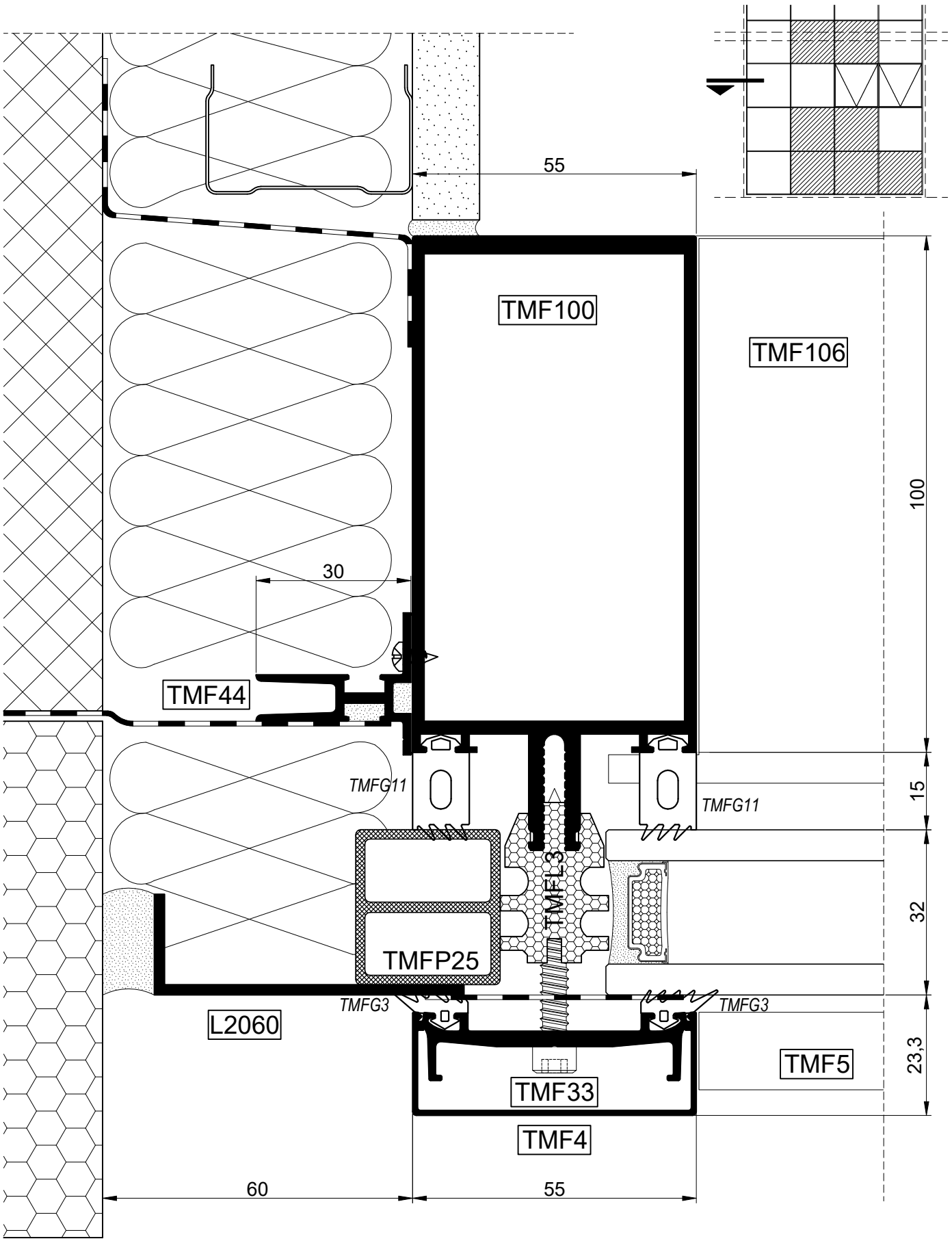
1

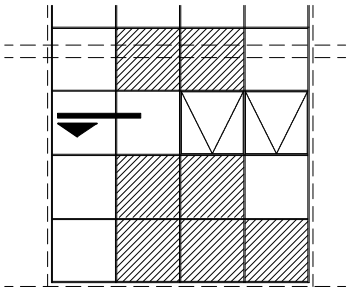
Dvoslojno ostakljenje
Double glazing
Двухкамерный стеклопакет

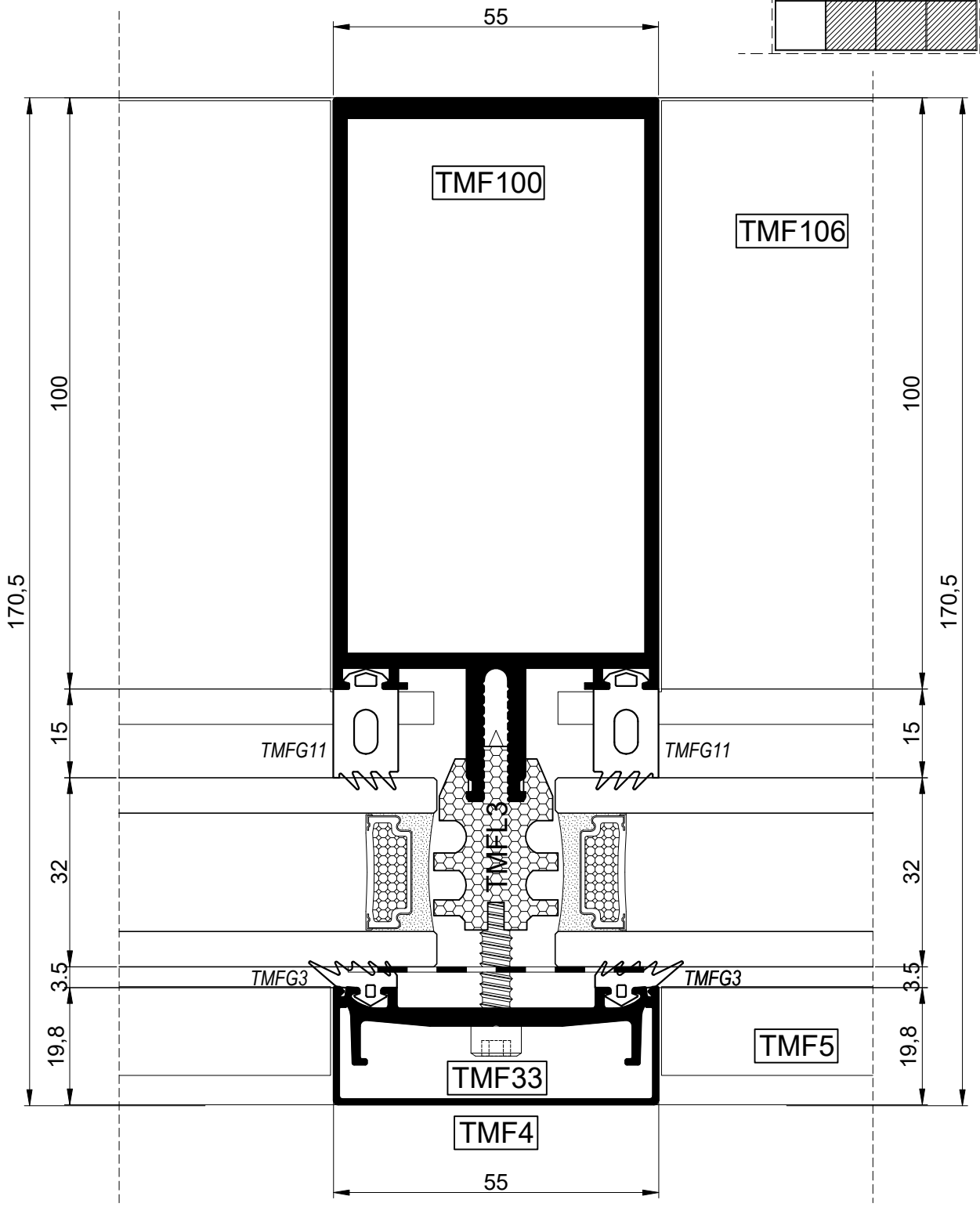


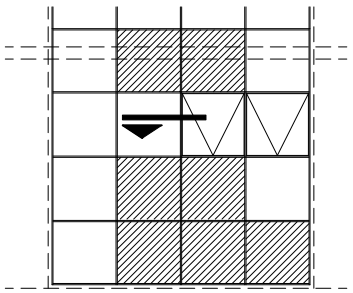
Uf ~ 0,9 W/m K

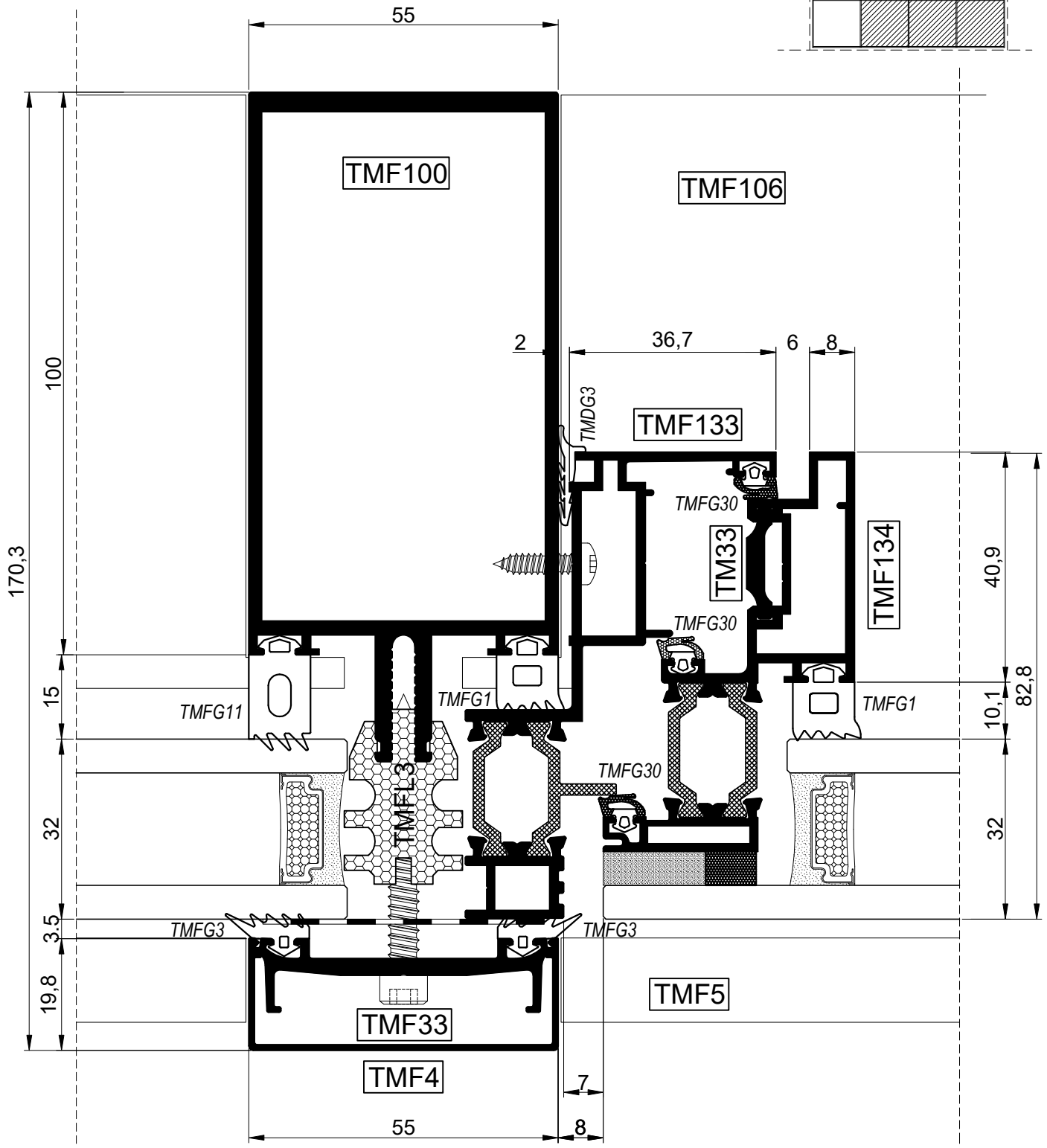
Pokrivna kapa
Cover cap
Торцевая крышка

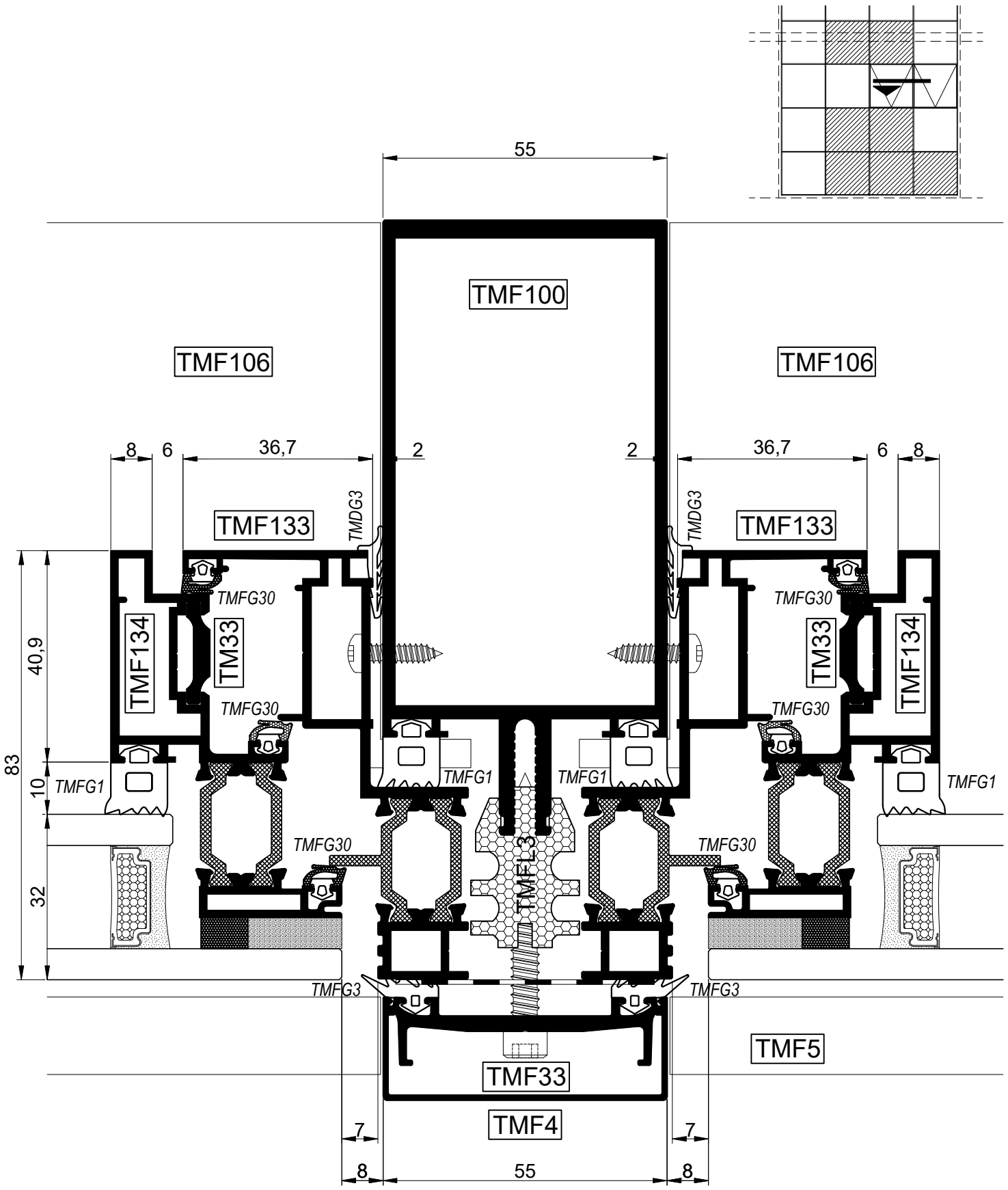

55
TMF100
TMF106
100
30
TMF44
TMFG11
TMFG11
15
TMFL3
32
TMFP25
TMFG3
TMFG3
L2060
TMF5
23,3
TMF33
TMF4
60
55

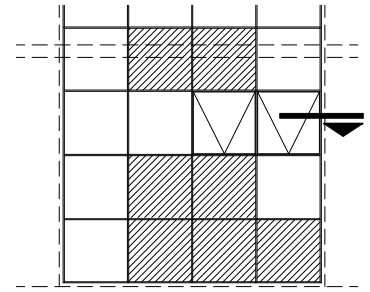


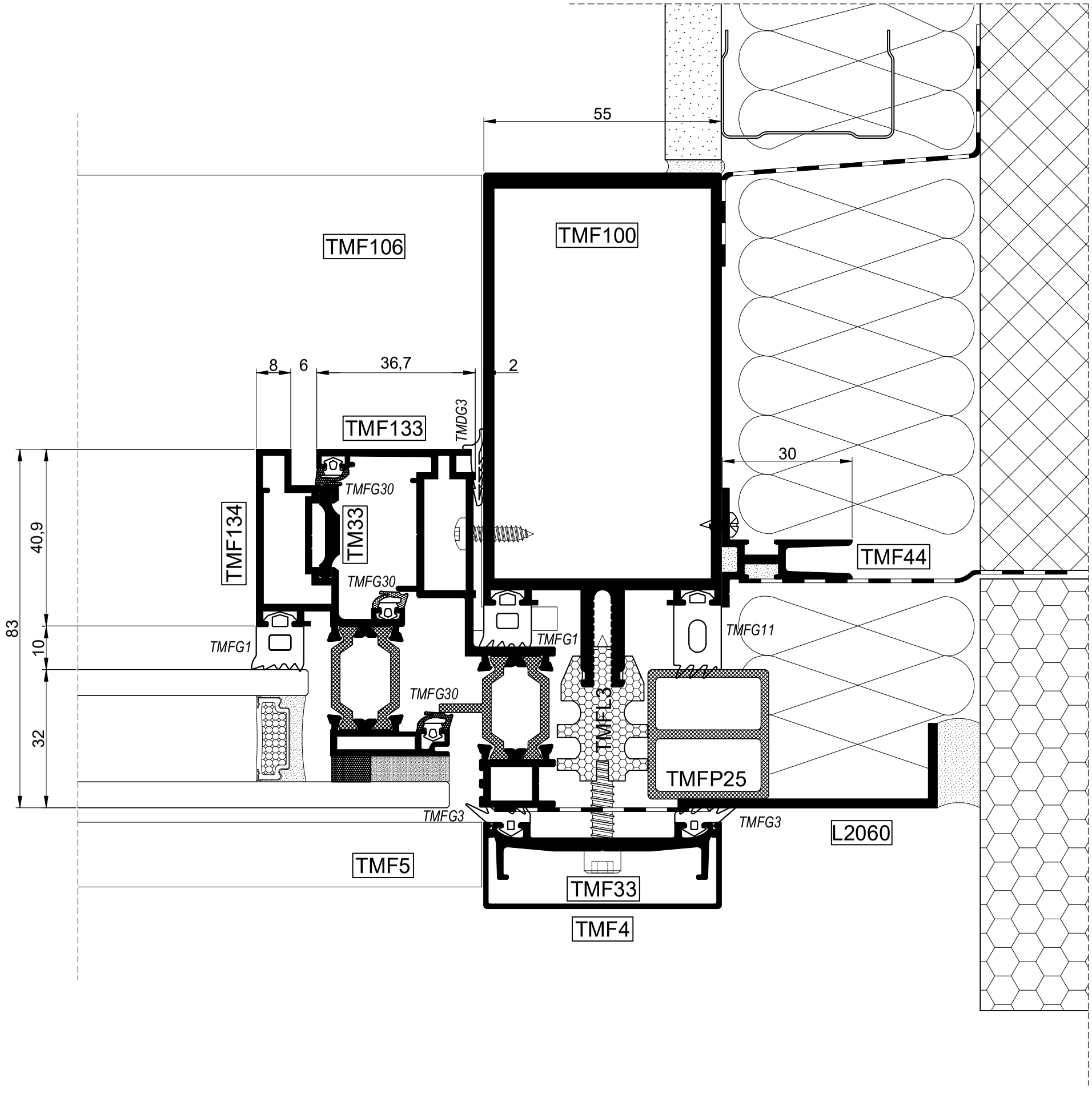

55
TMF100
TMF106
100
170,5
15
TMFG11
TMFG11
TMFL3
32
3.5
TMFG3
TMFG3
19,8
TMF5
TMF33
TMF4
55

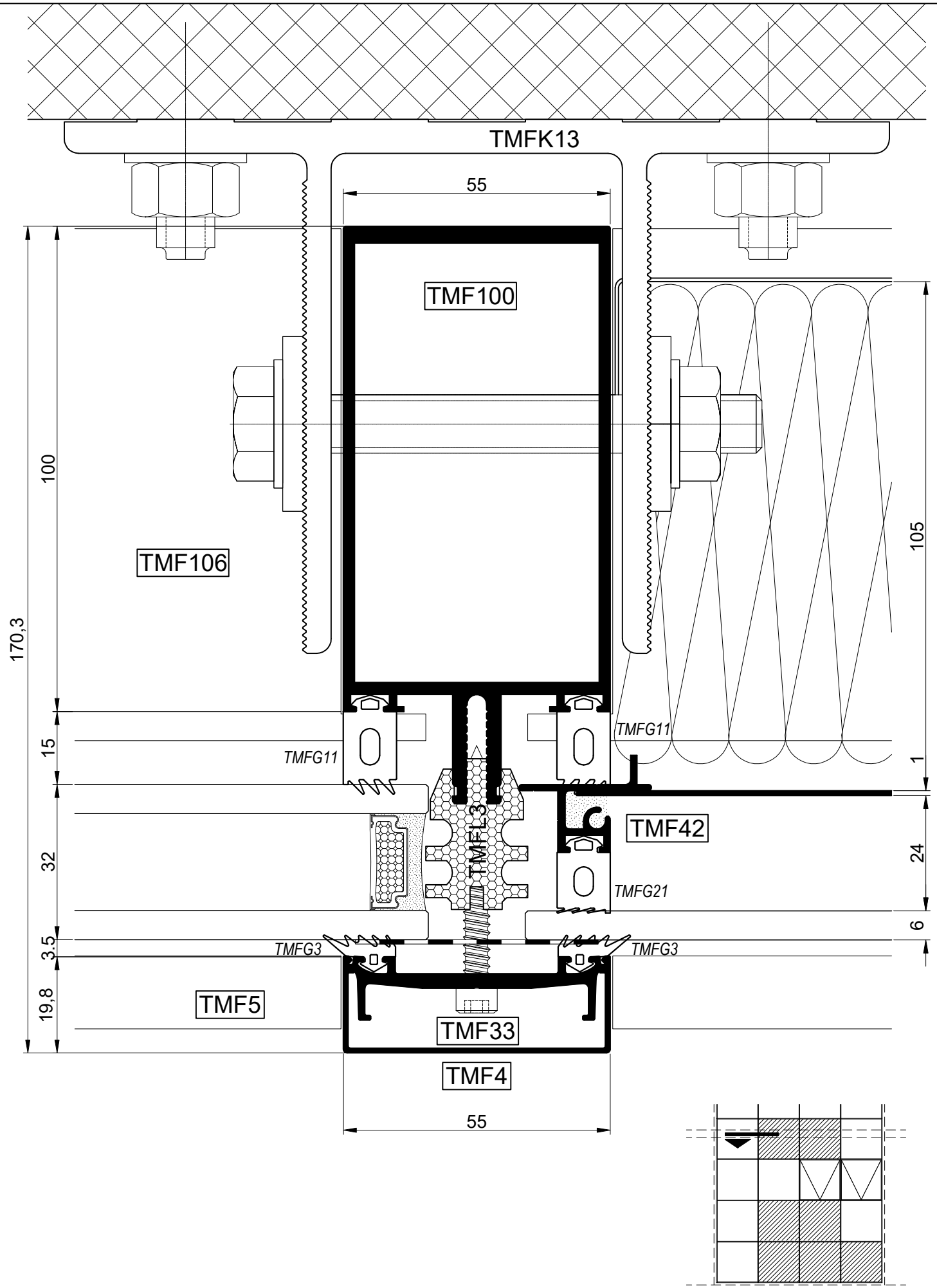


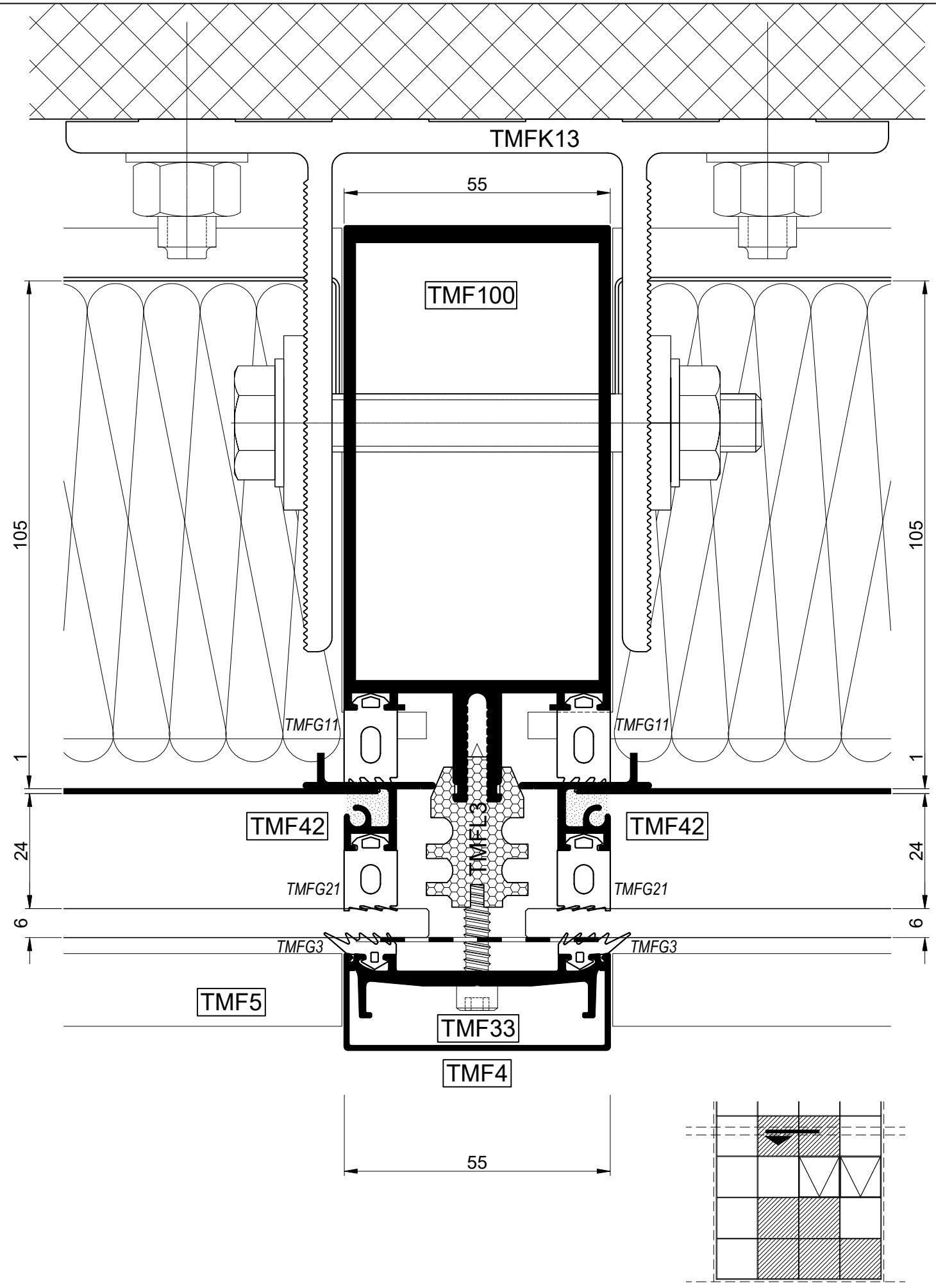

55
TMF100
TMF106
2
36,7
6
8
TMDG3
TMF133
TMFG30
TM33
TMF134
TMFG30
170,3
100
40,9
82,8
15
TMFG11
TMFG1
TMFG1
10,1
TMFG30
32
TMFL3
32
3,5
TMFG3
TMFG3
19,8
TMF5
TMF33
TMF4
7
55
8

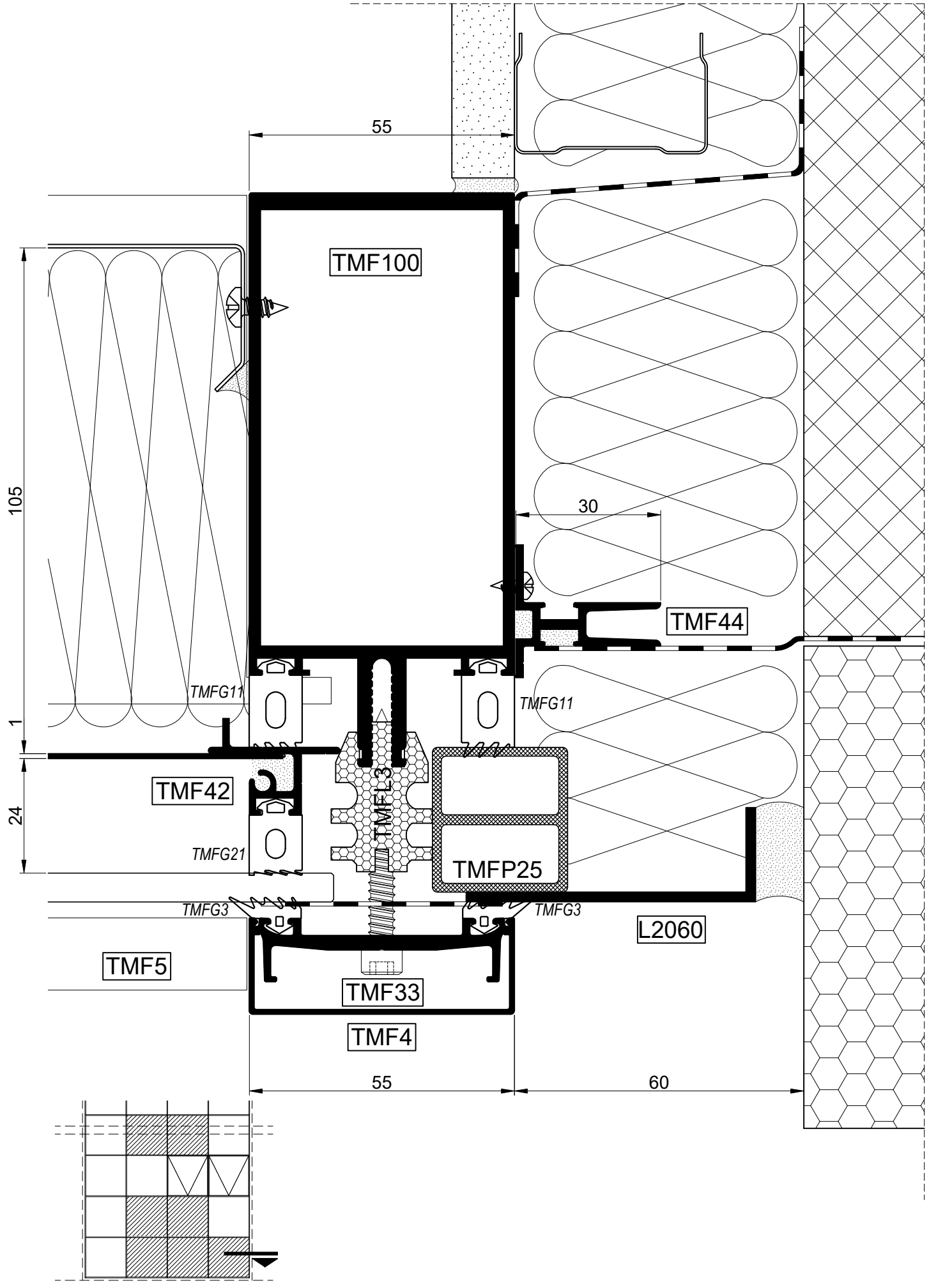

55
TMF100
TMF106
TMF106
8
6
36,7
2
2
36,7
6
8
TMF133
TMDG3
TMDG3
TMF133
TMFG30
TMFG30
TMF134
TM33
TM33
TMF134
TMFG30
TMFG30
40,9
83
10
TMFG1
TMFG1
TMFG1
TMFG1
TMFG30
TMFG30
TMFL3
32
TMFG3
TMFG3
TMF5
TMF33
TMF4
7
7
8
55
8

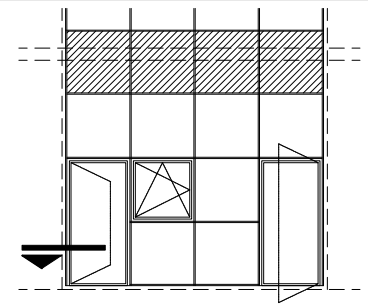


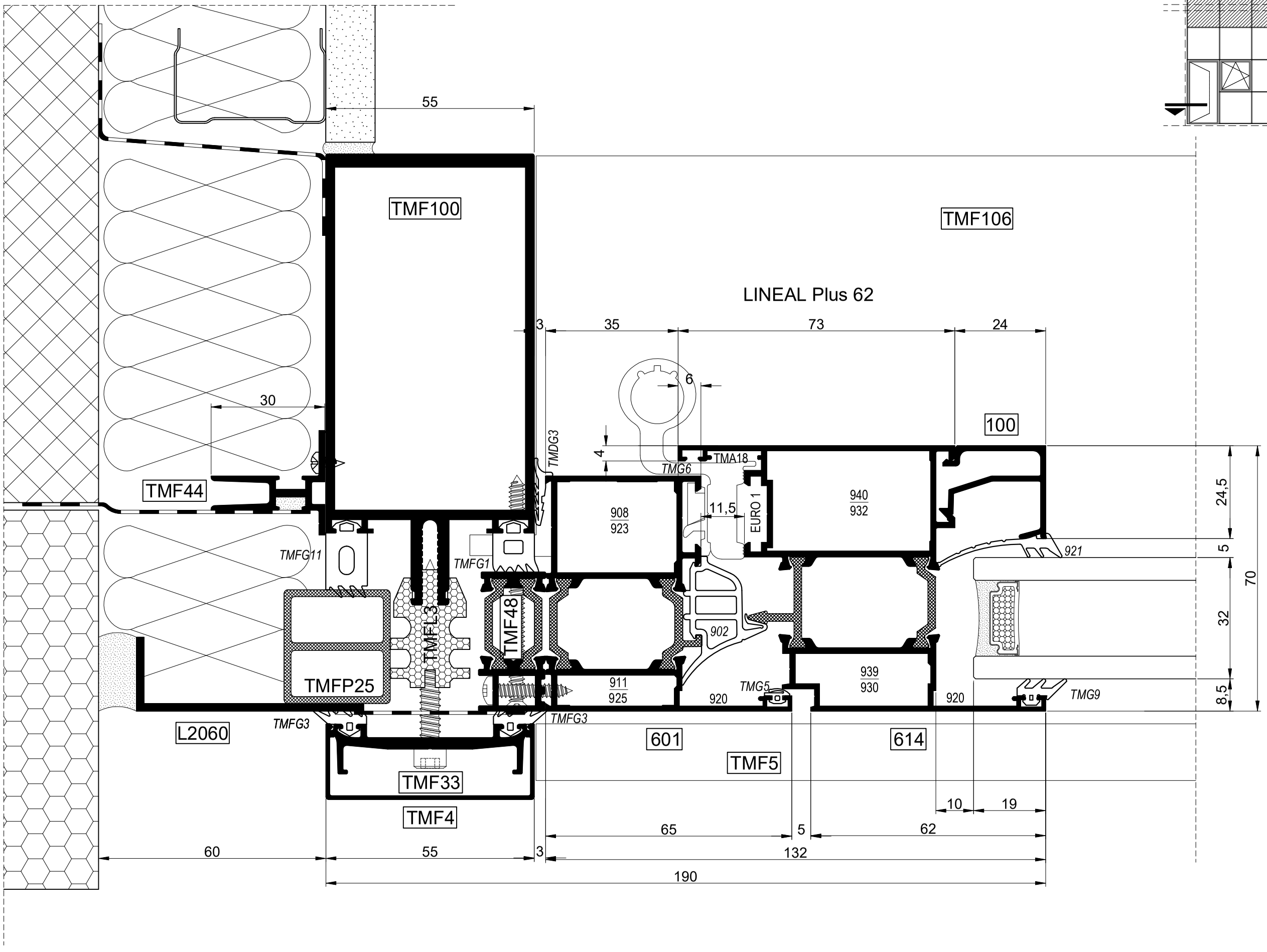

55
TMF106
TMF100
8
6
36,7
2
TMF133
TMDG3
30
TMFG30
TMF134
TM33
TMF44
TMFG30
83
40,9
10
32
TMFG1
TMFG1
TMFG11
TMFG30
TMFL3
TMFP25
TMFG3
TMFG3
L2060
TMF5
TMF33
TMF4

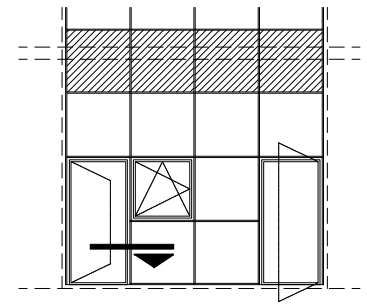

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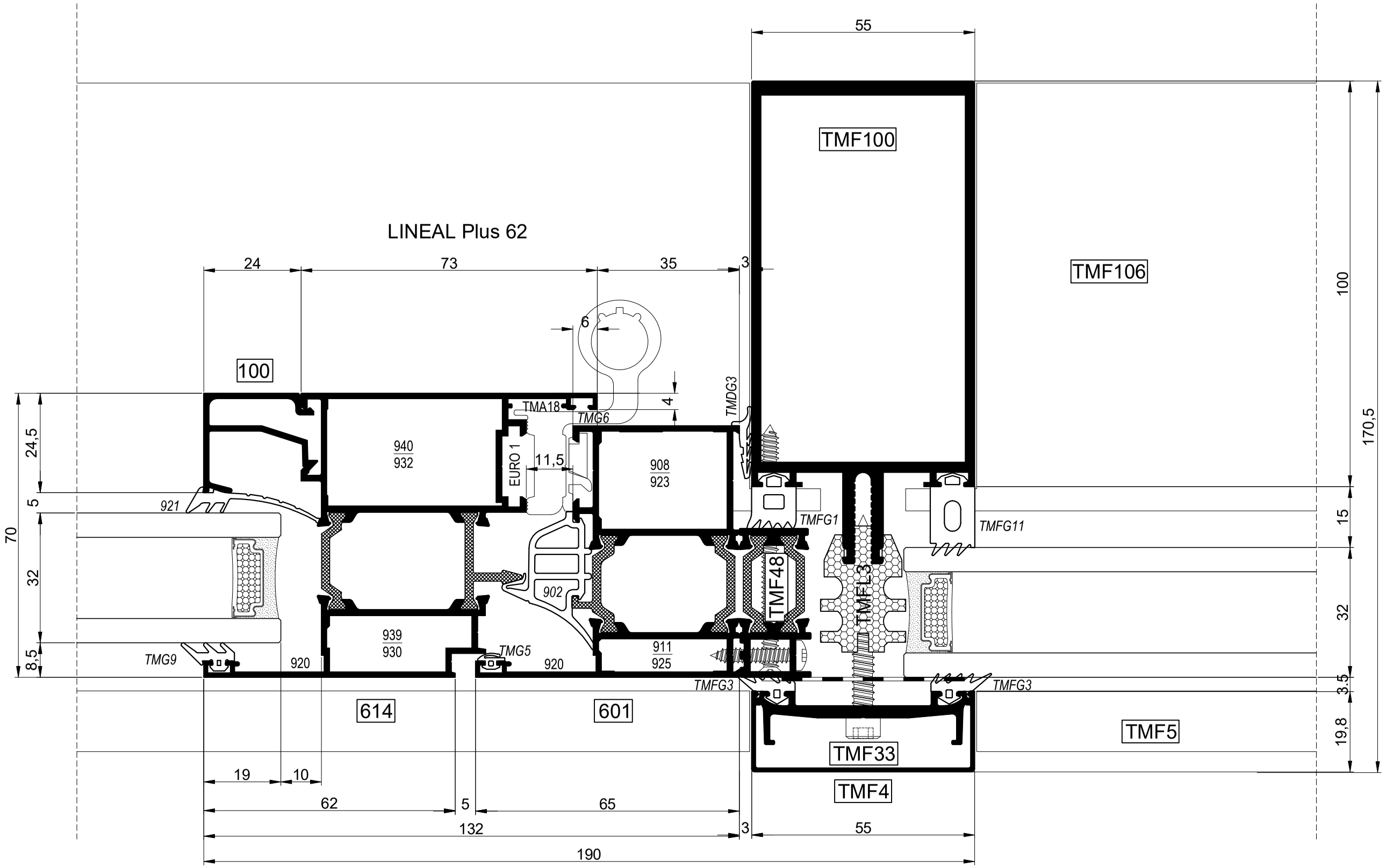

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TMF4
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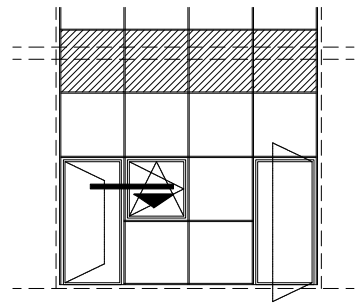

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TMF5
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TMG6
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TMG5
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TMG9
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TMF106 TMF100

LINEAL Plus 62 LINEAL Plus 62

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6 6

100 100

TMA18 TMG6 TMDG3 TMDG3 TMG6 TMA18

4

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EURO 1 11,5 EURO 1

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70 32 TMF48 TMF48 70

902 902

TMF3L3

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TMF33

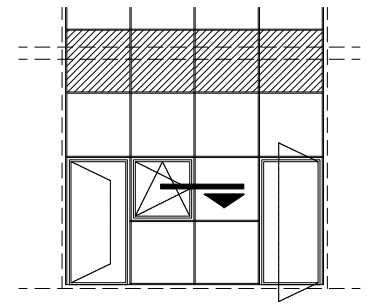
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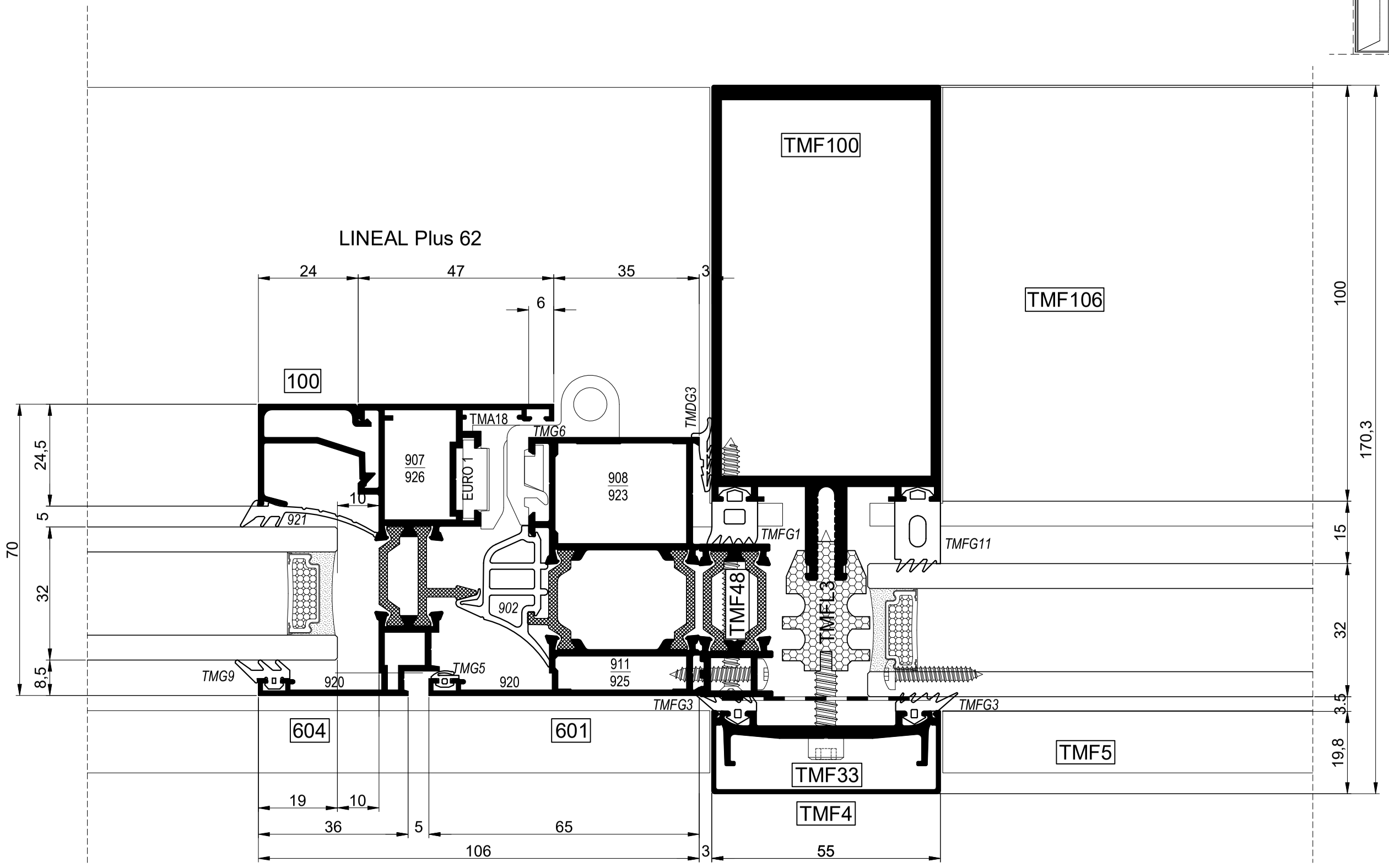
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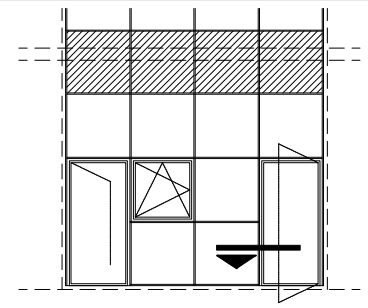
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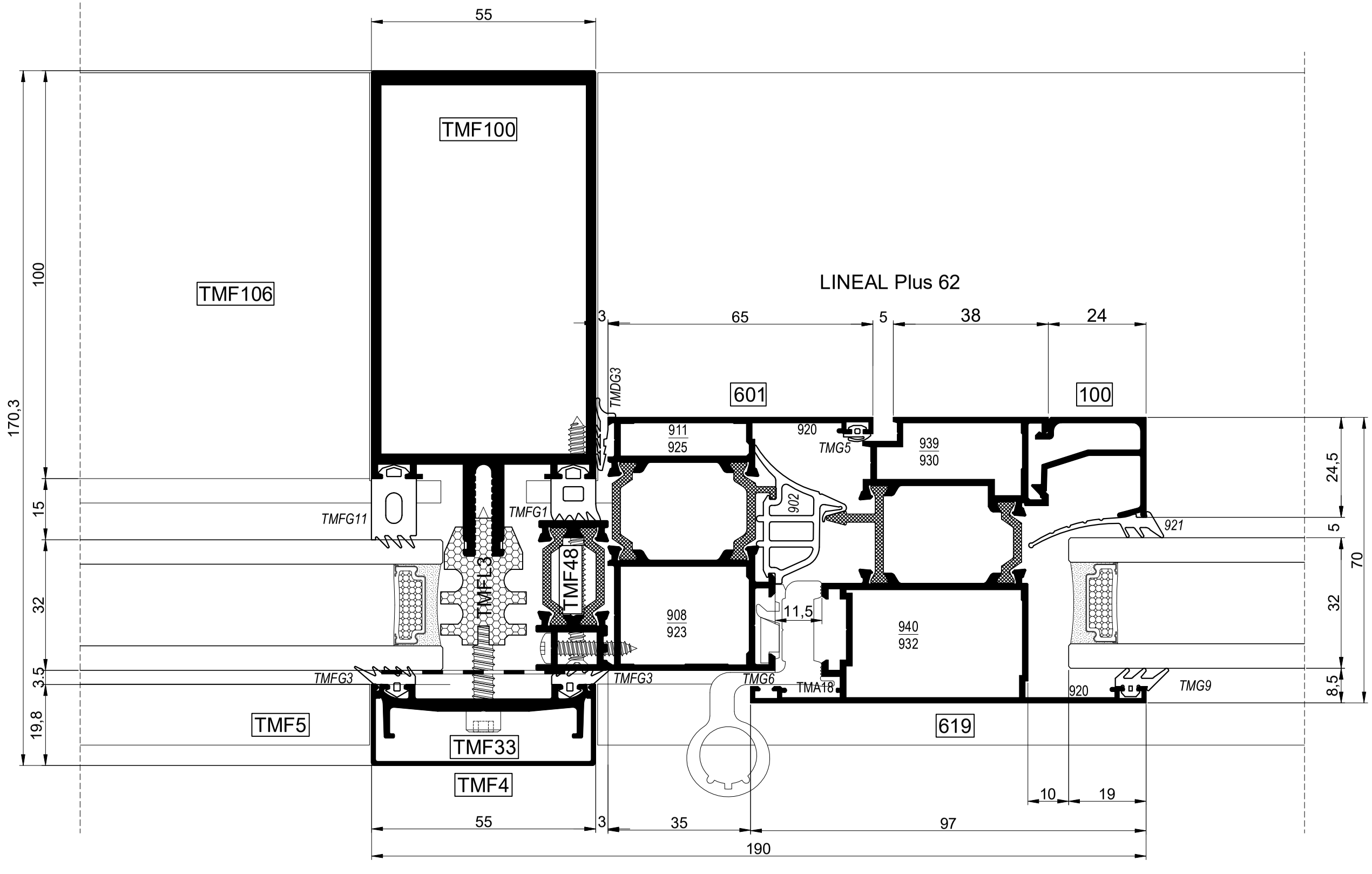
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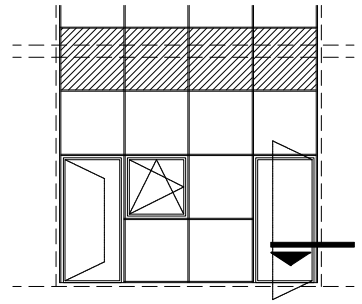
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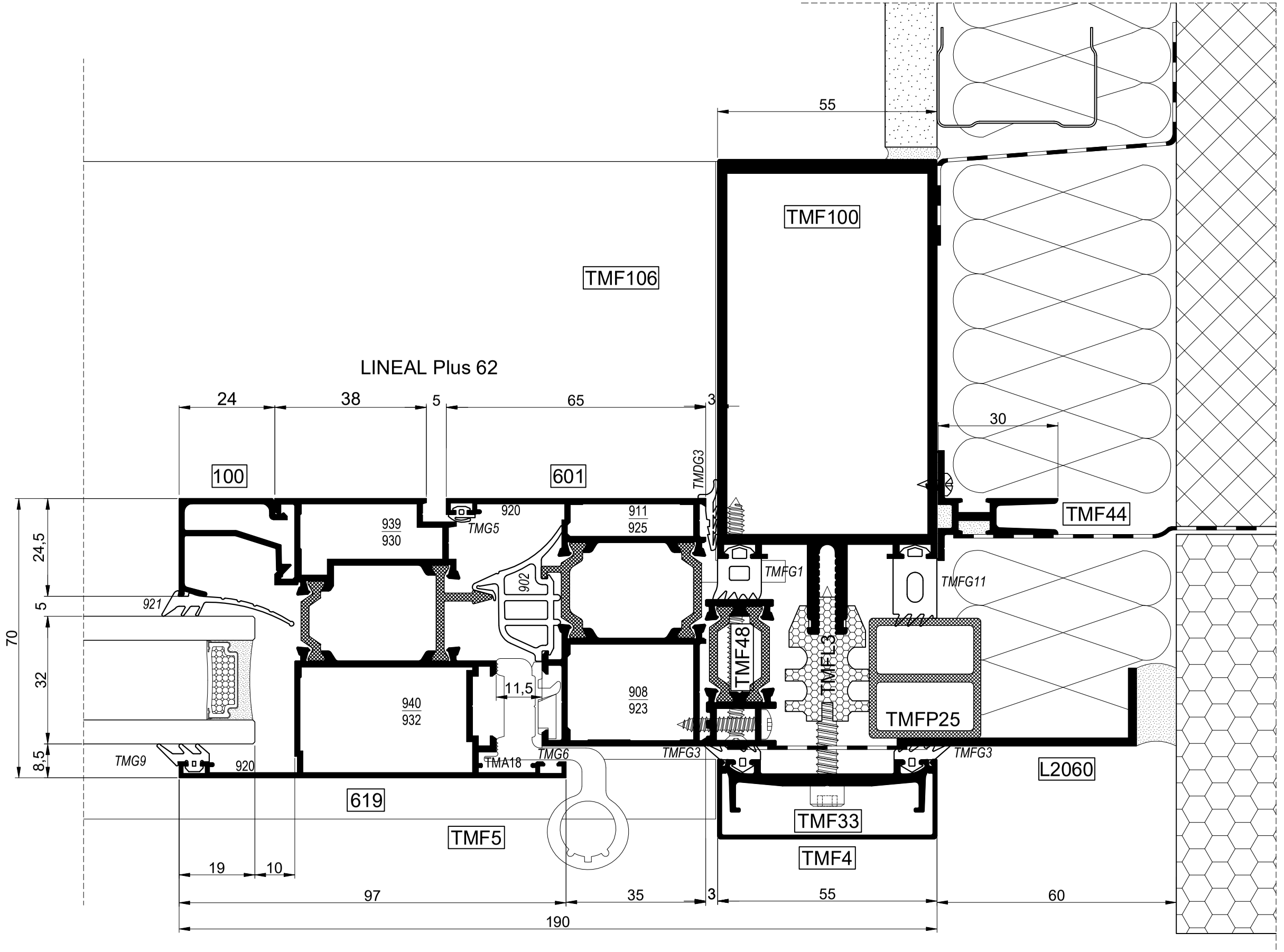


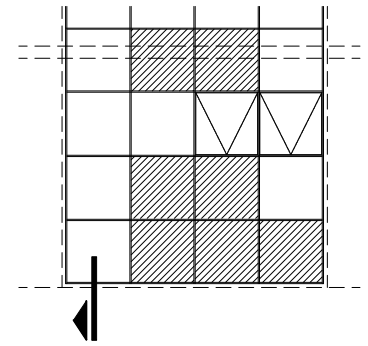

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925
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TMG9
TMG5
TMFG1
TMFG11
TMF48
TMFL3
TMFG3
TMFG3
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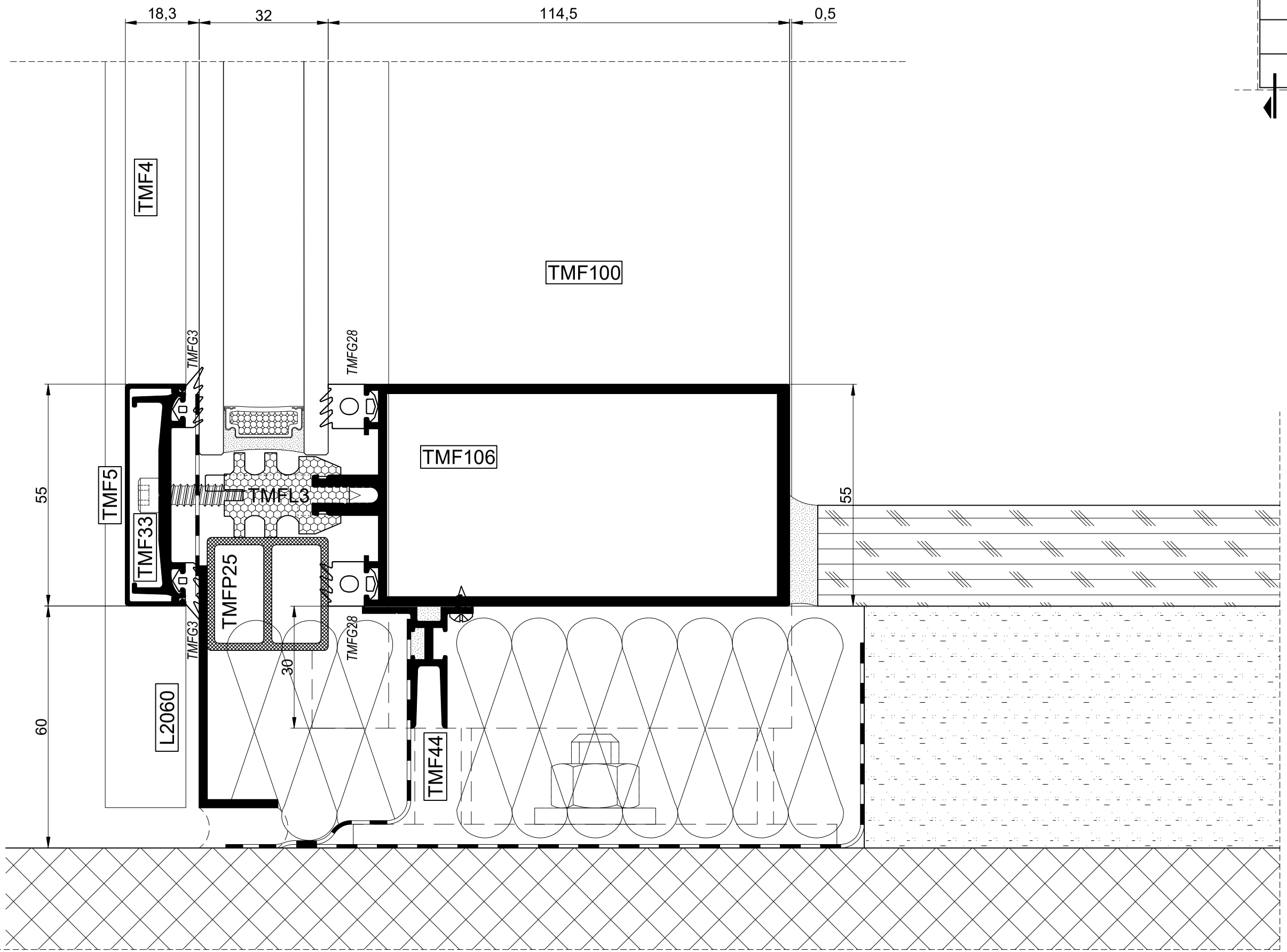


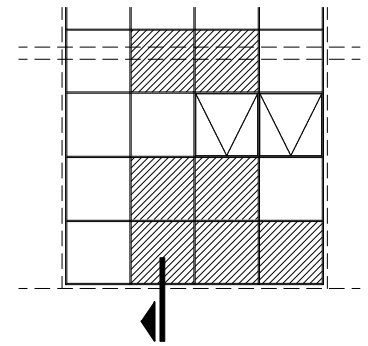

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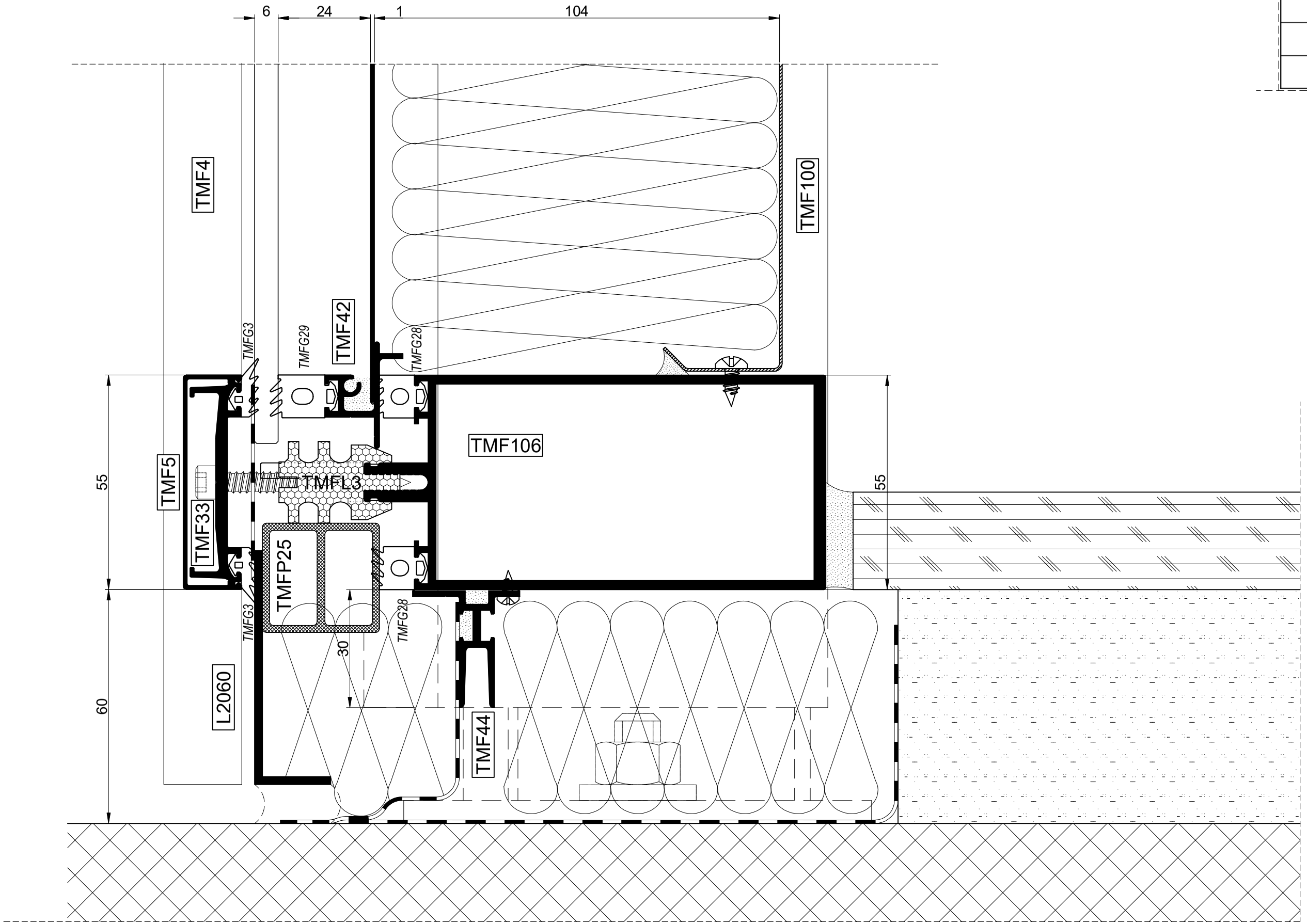


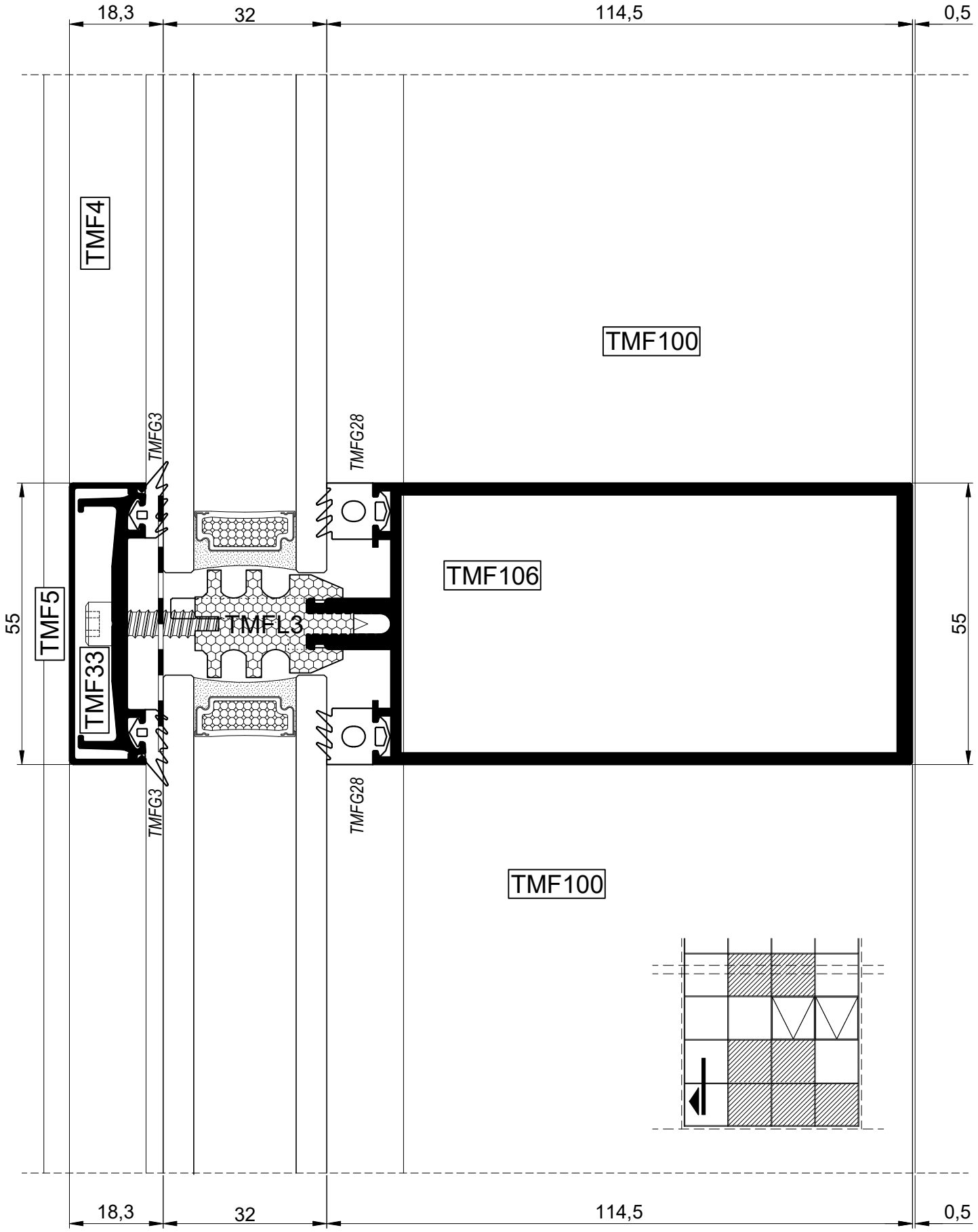

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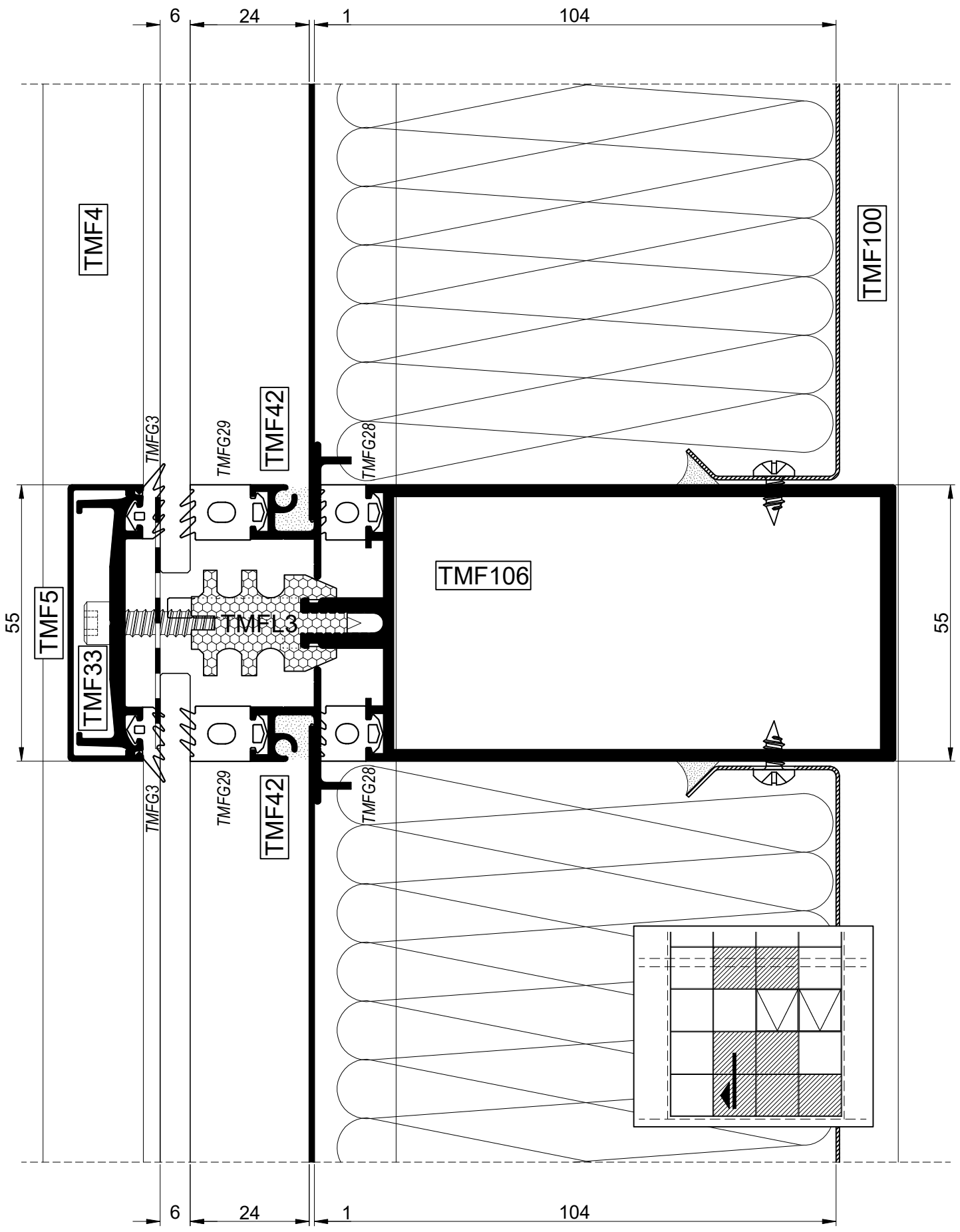


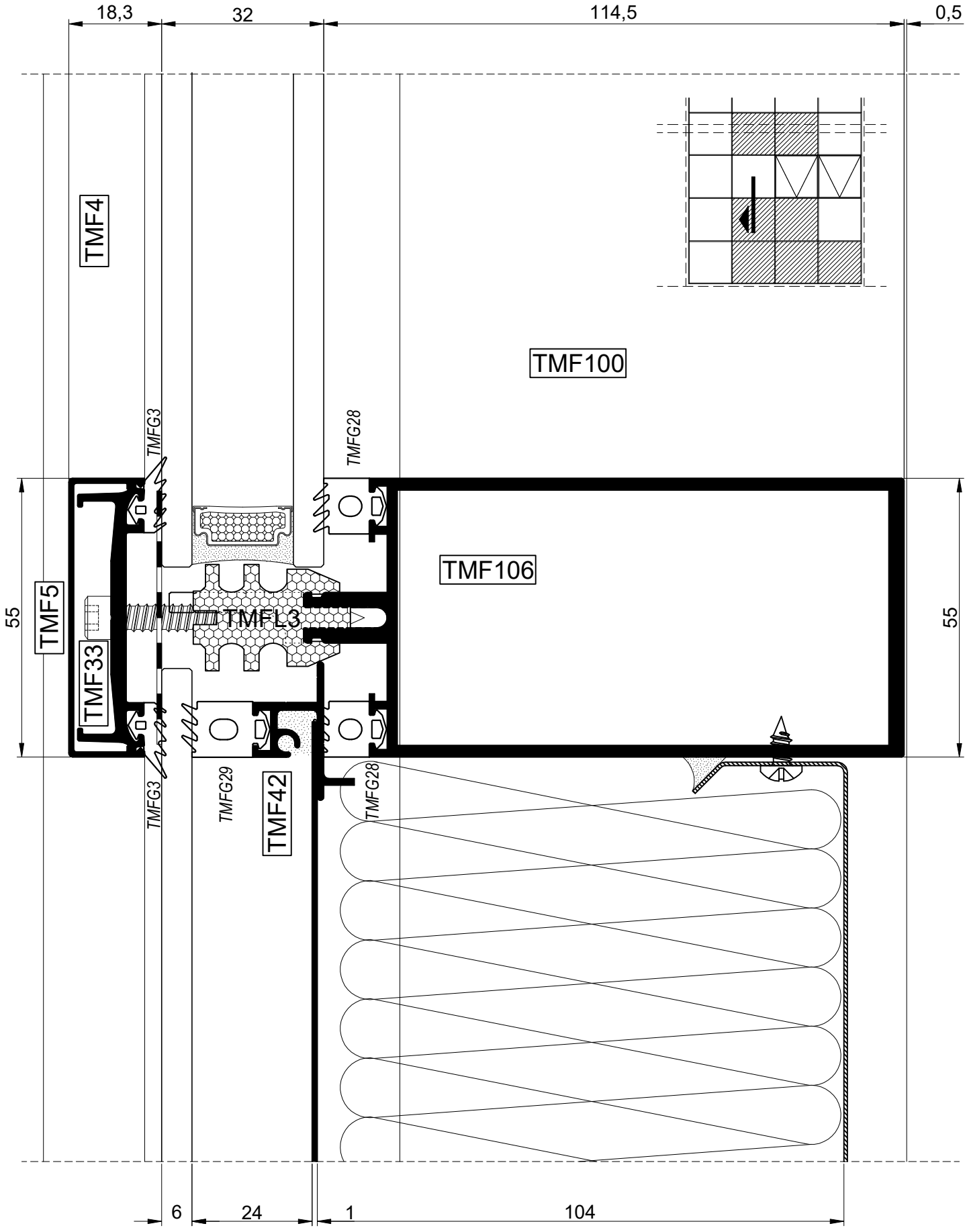

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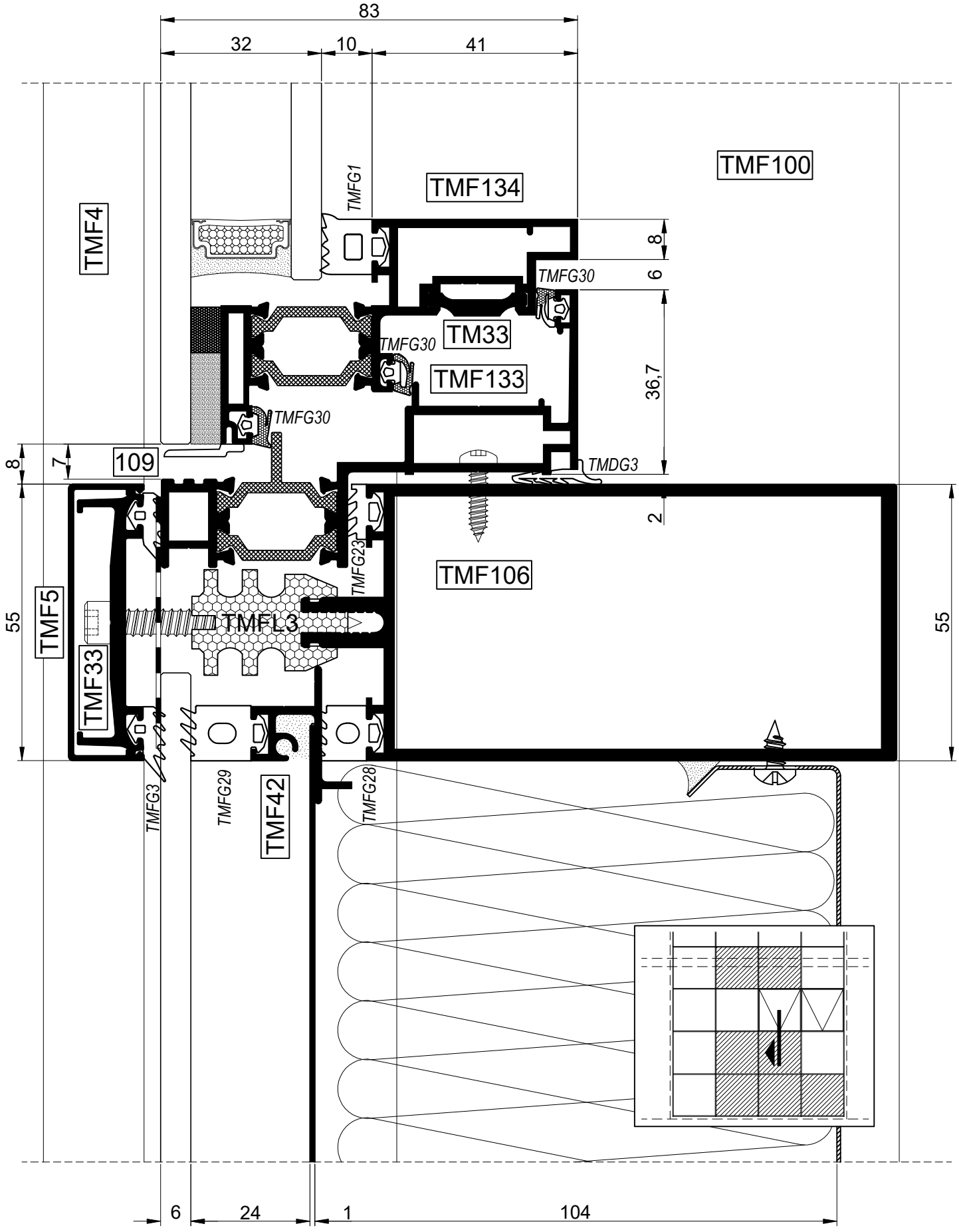


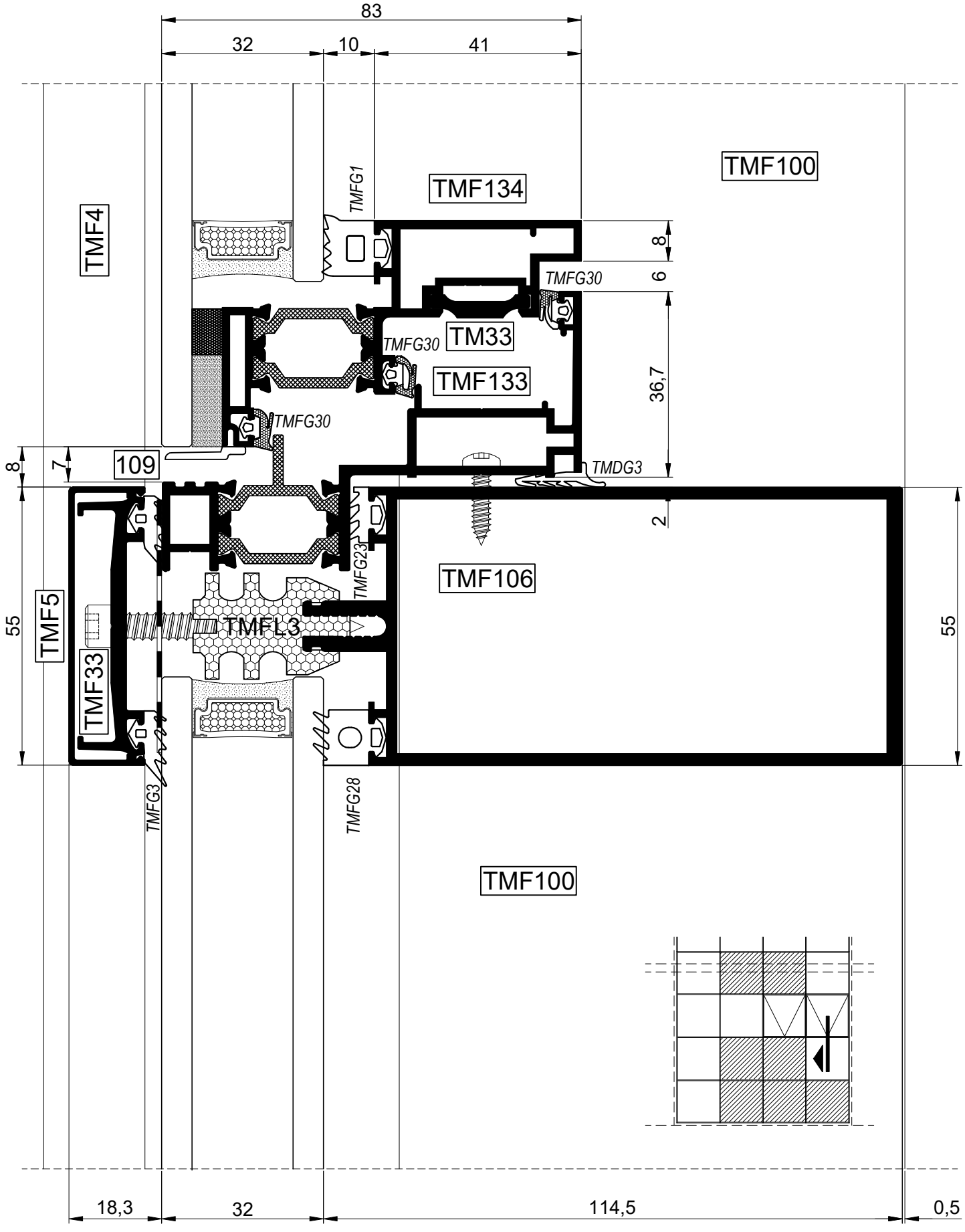

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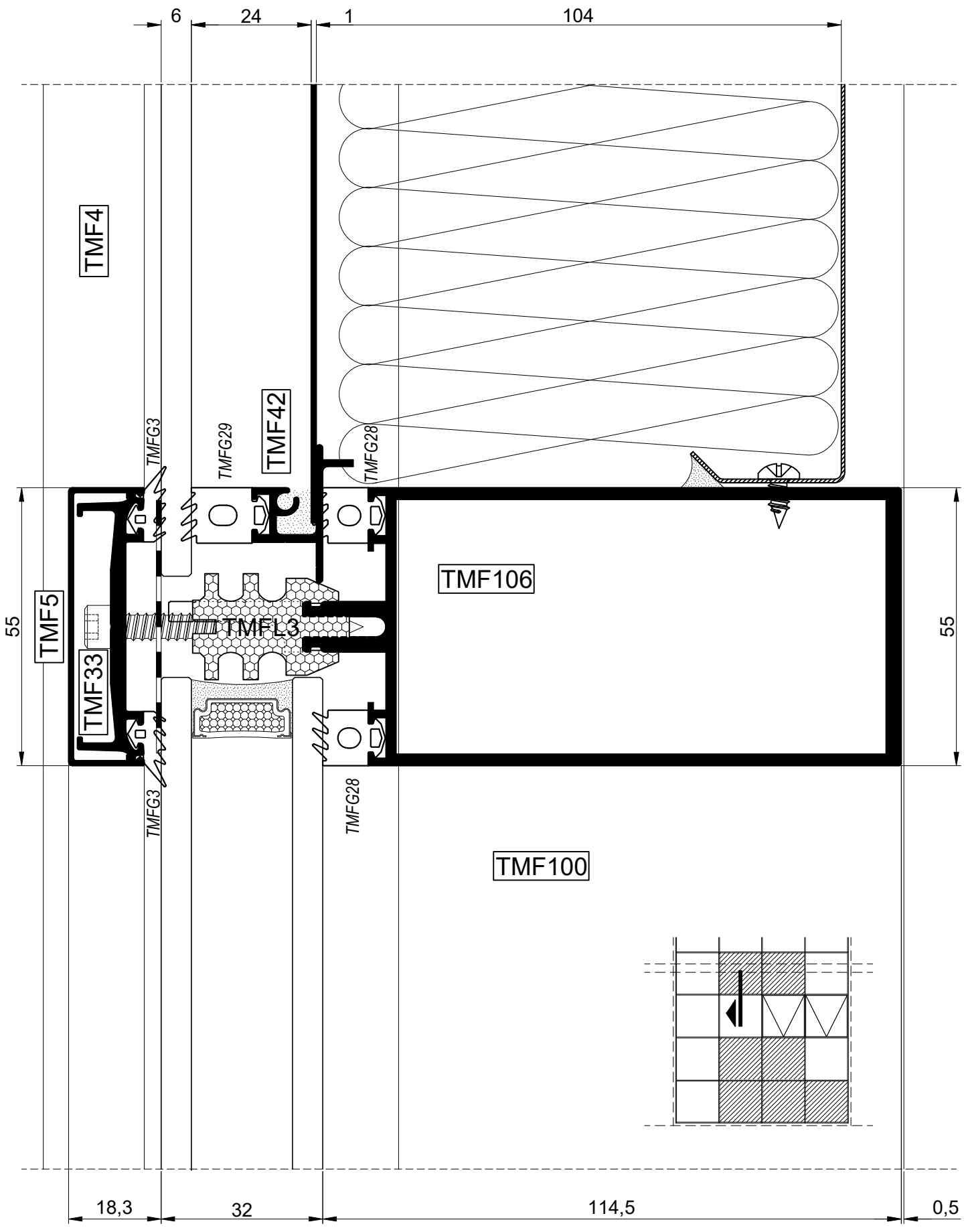

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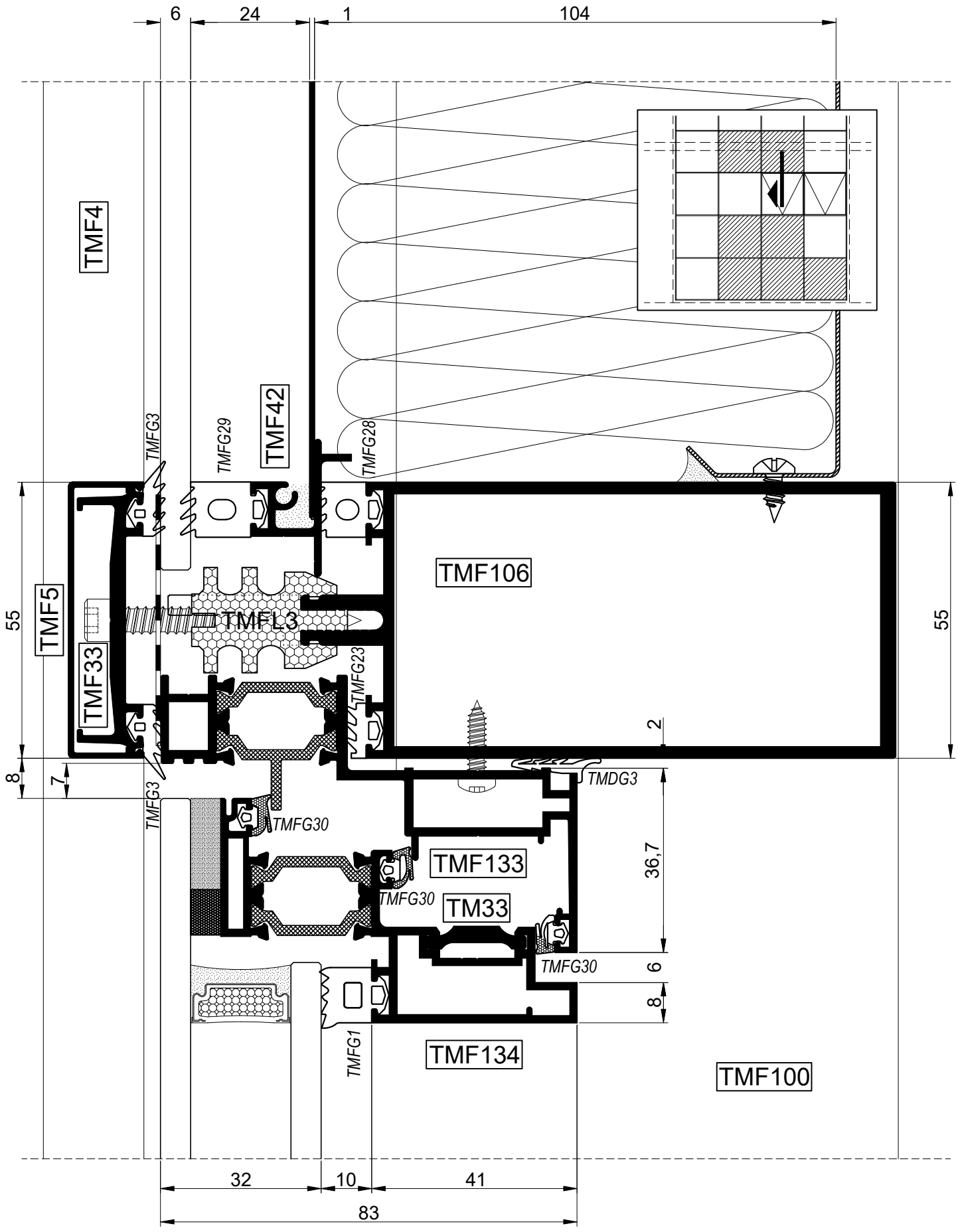

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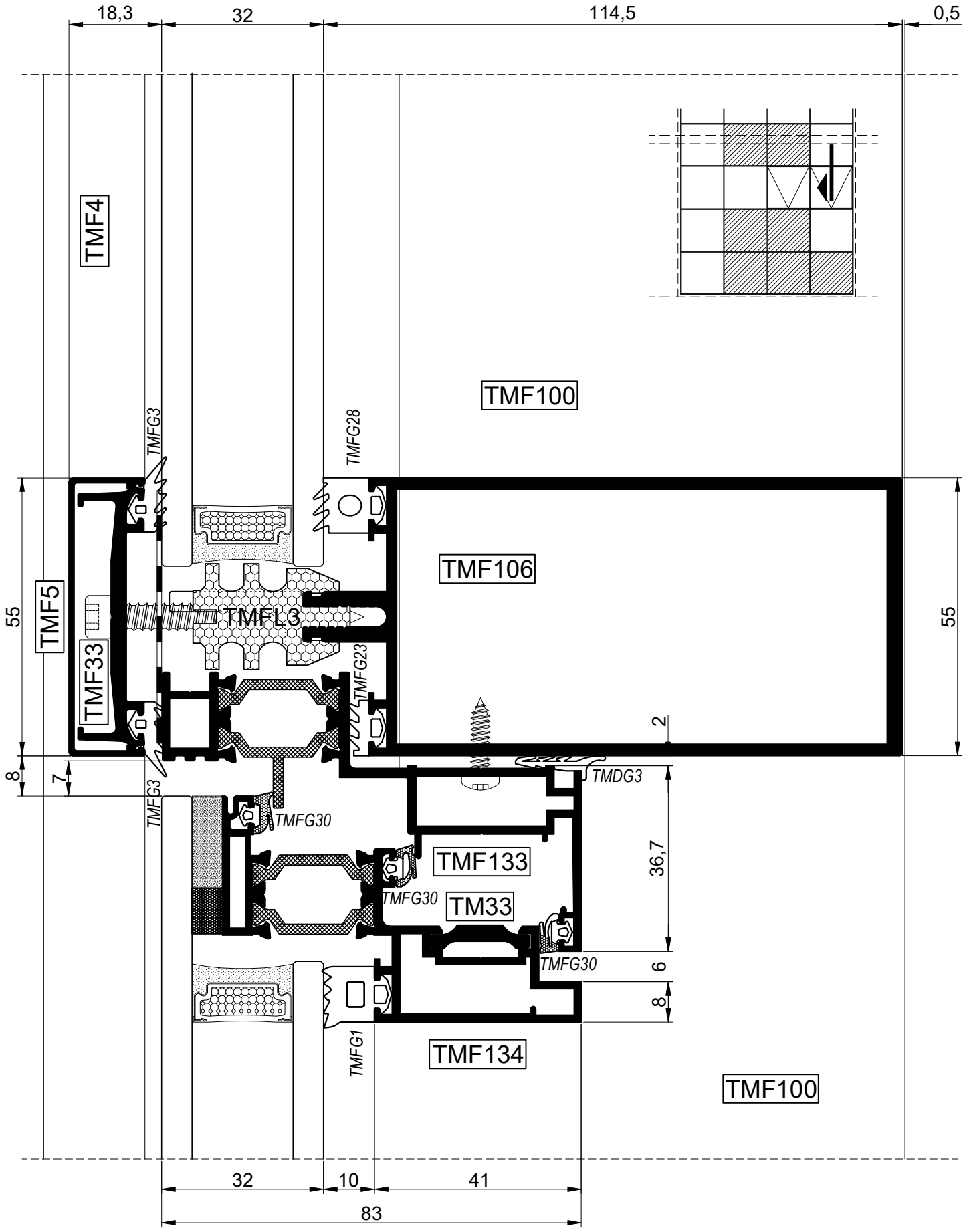

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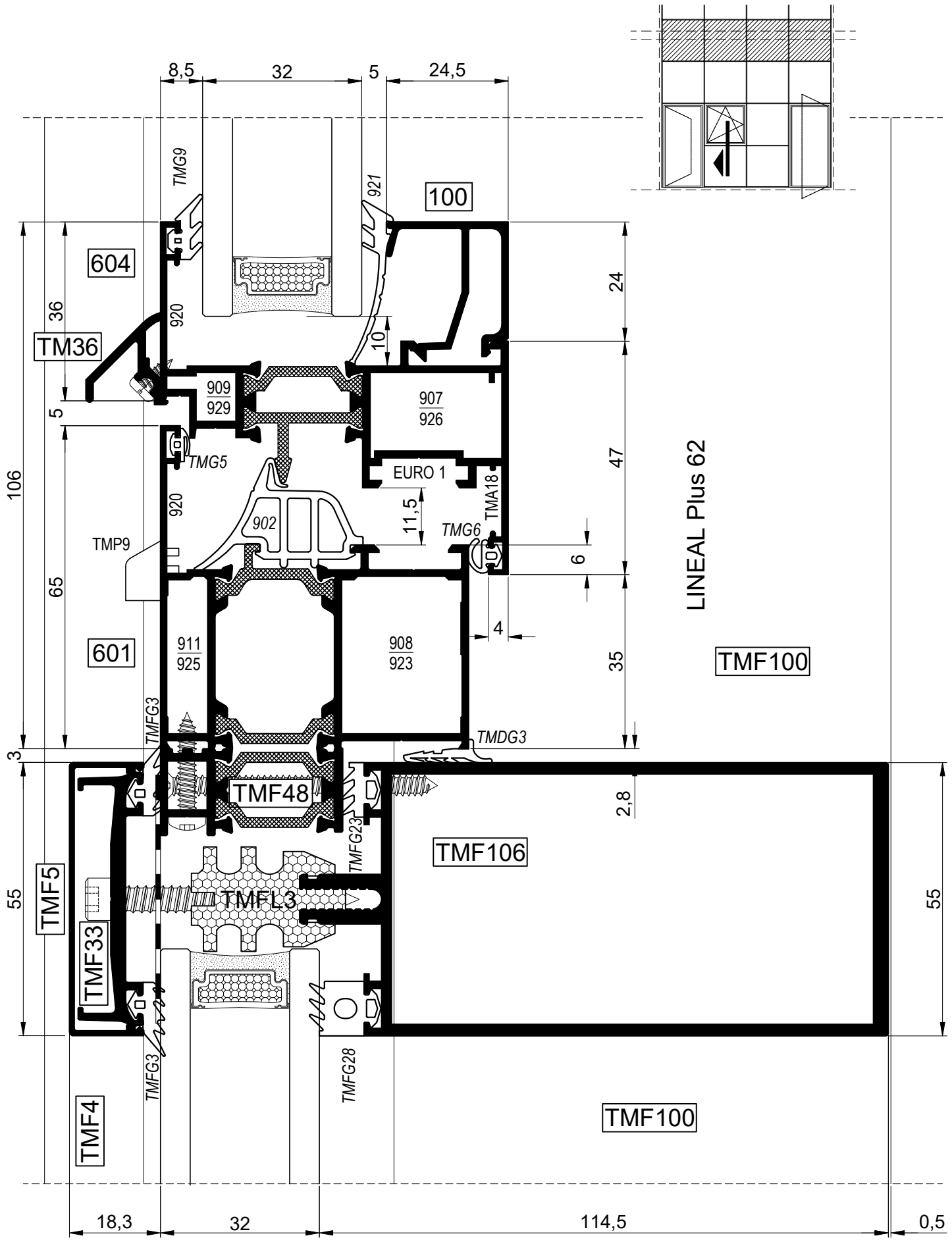

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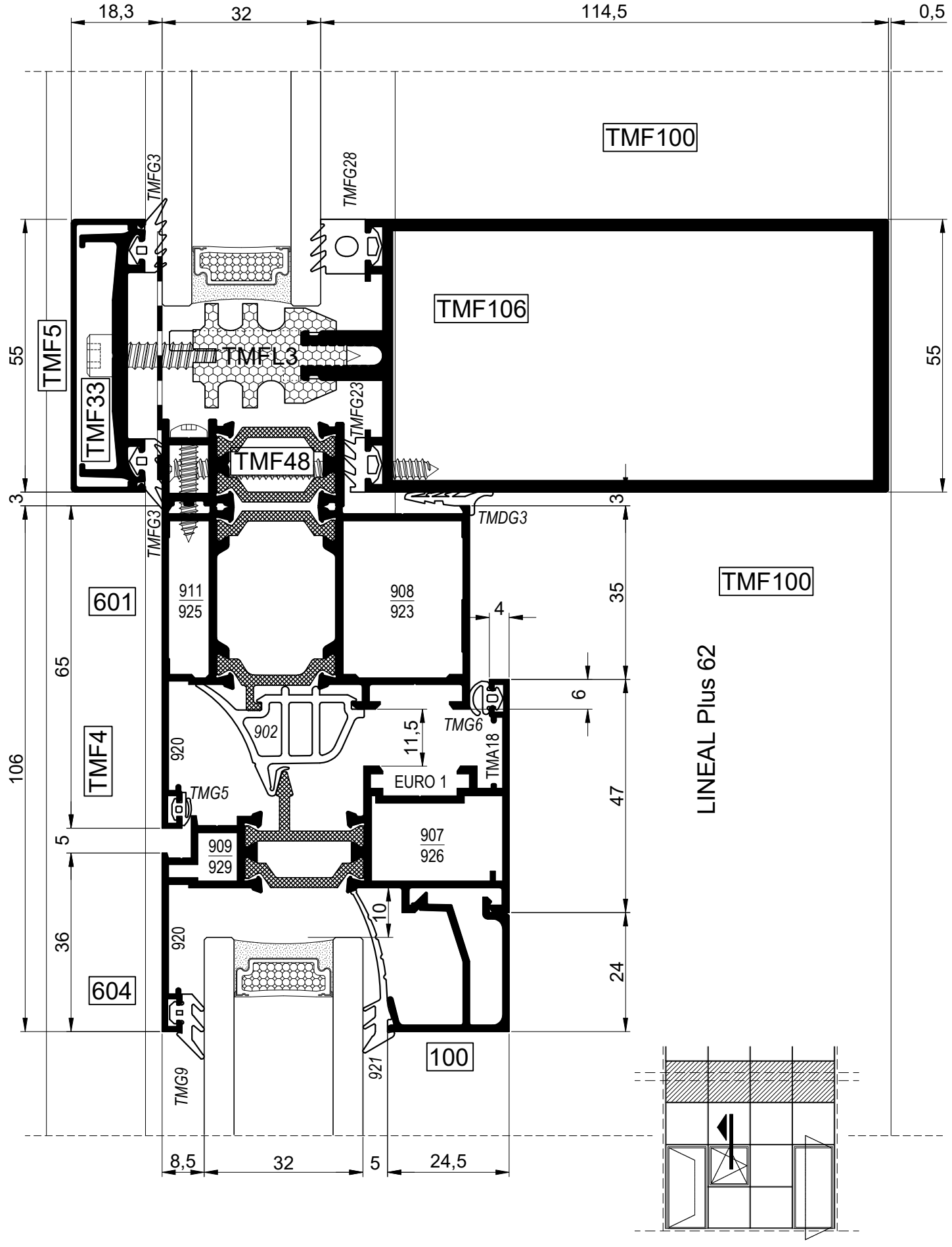

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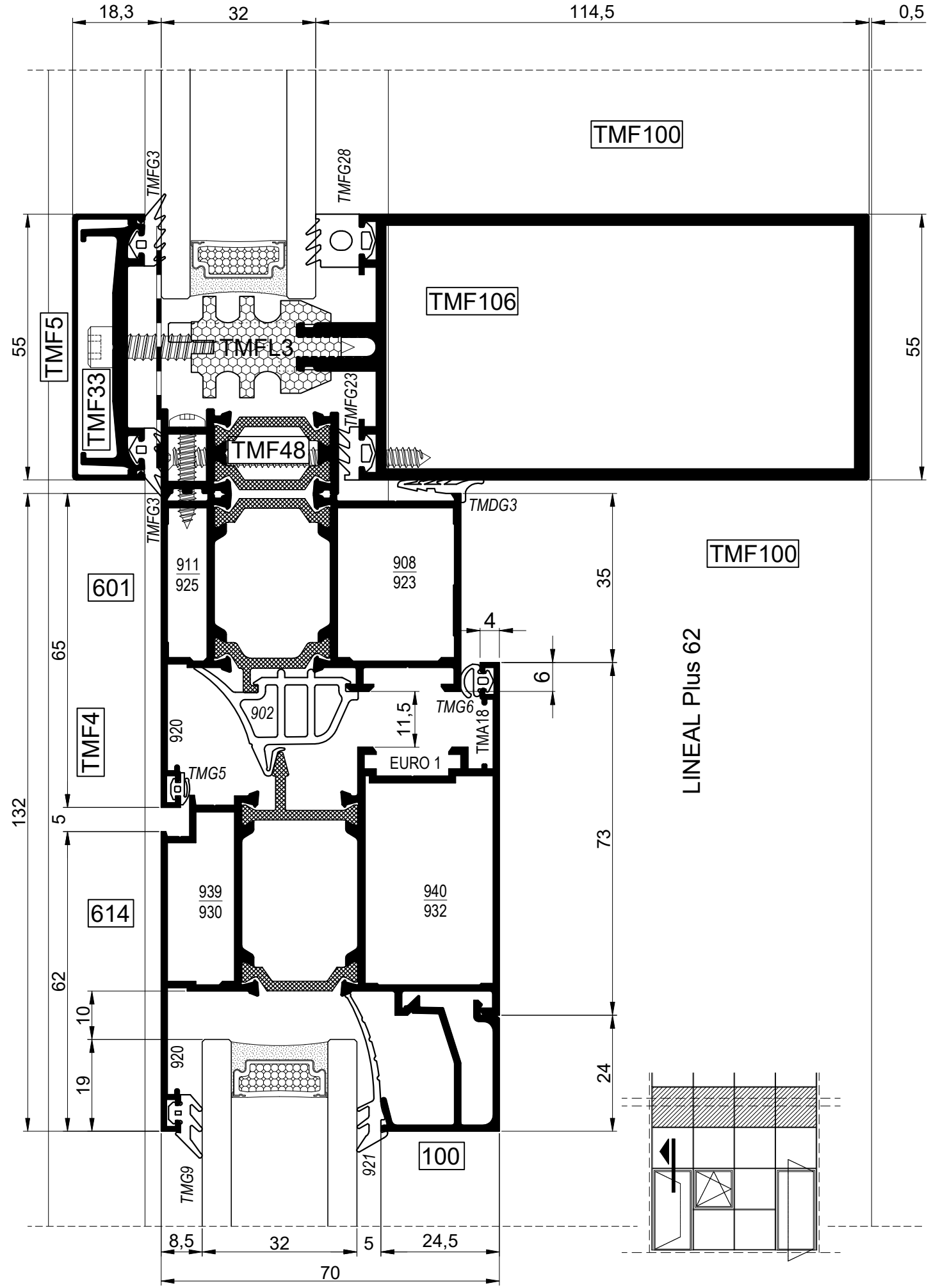

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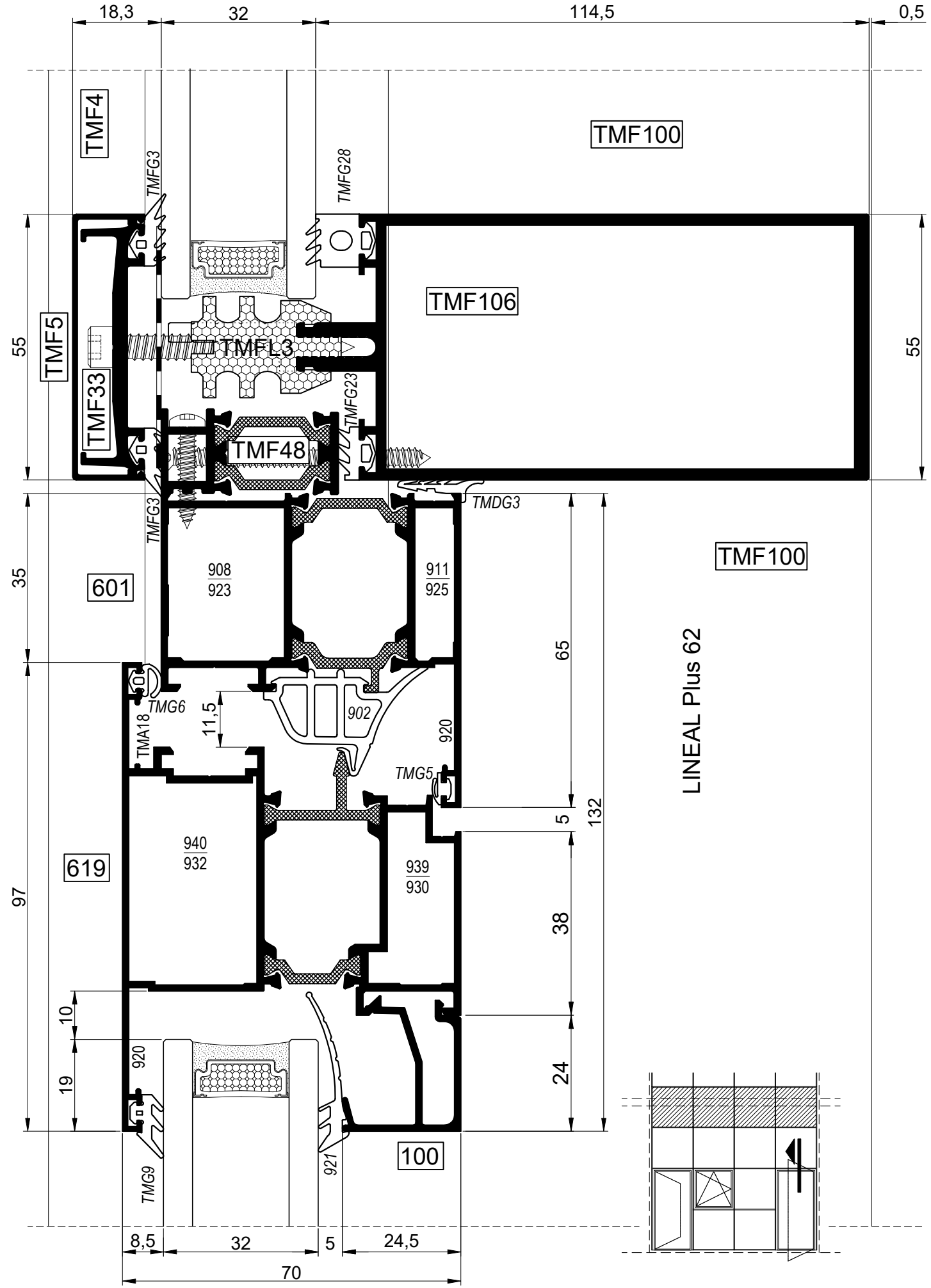

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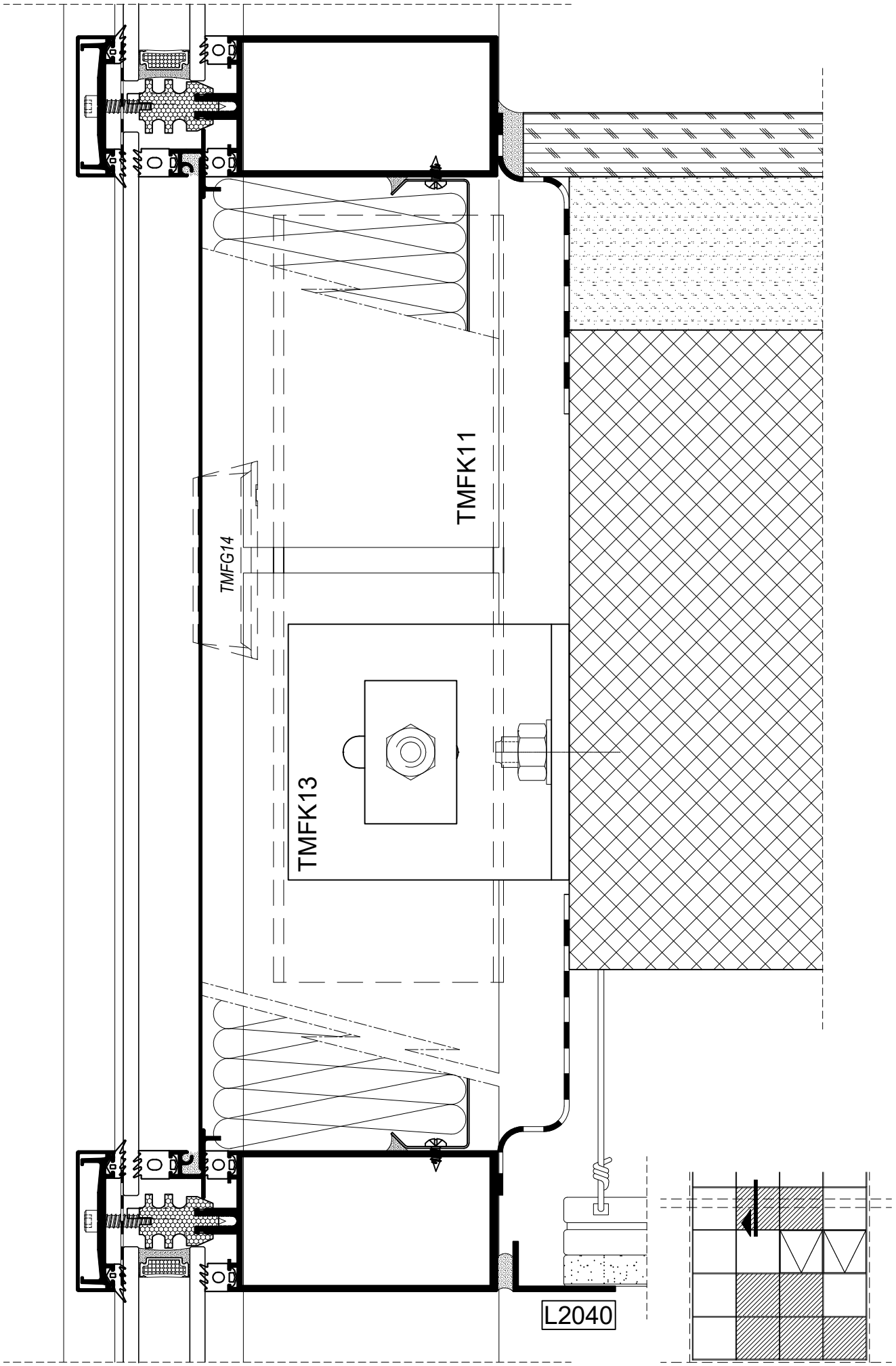

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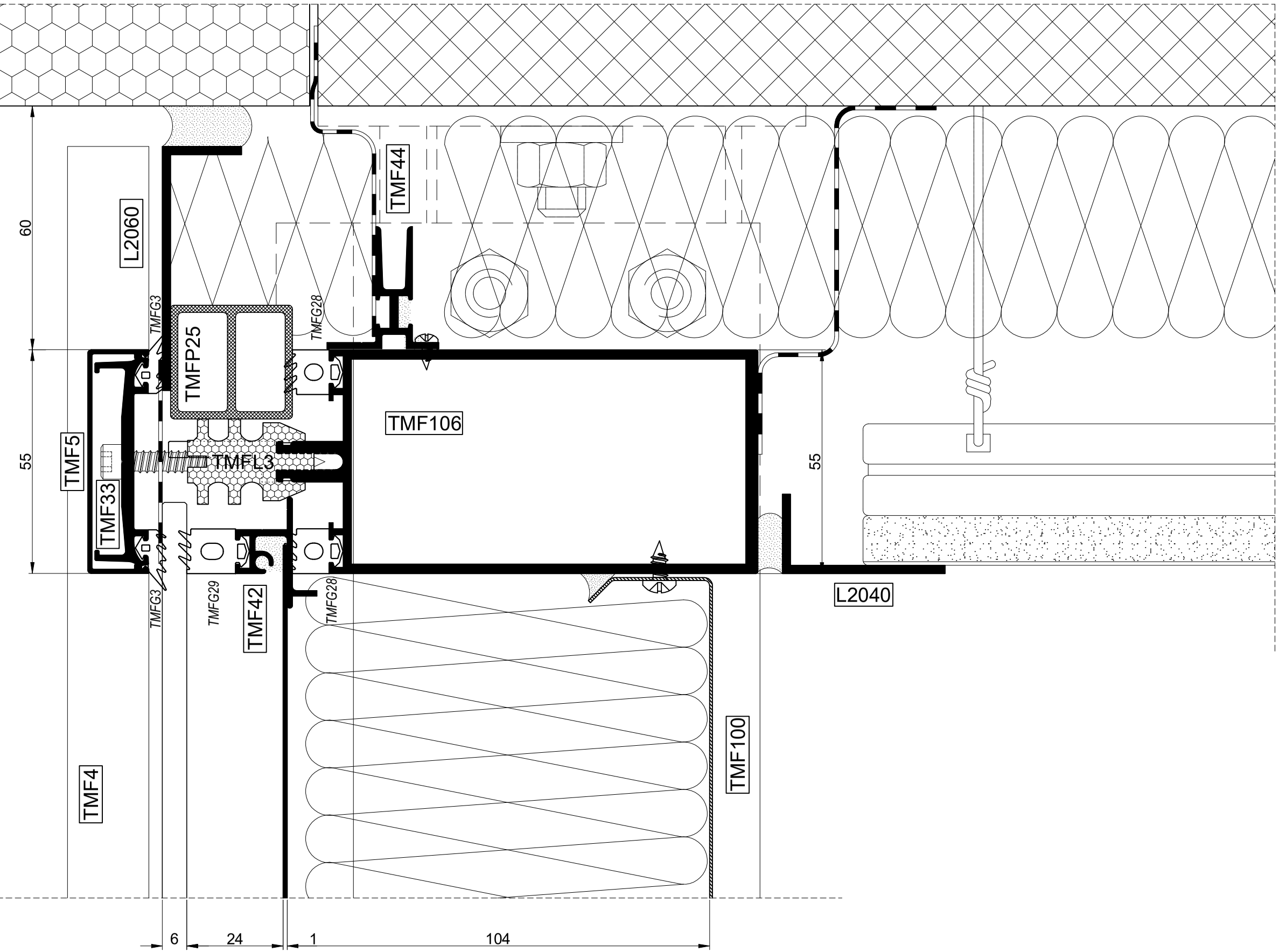

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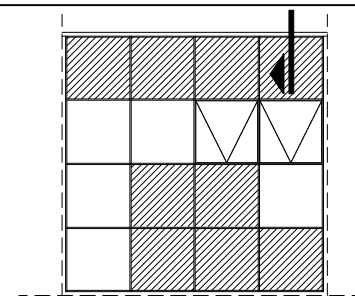

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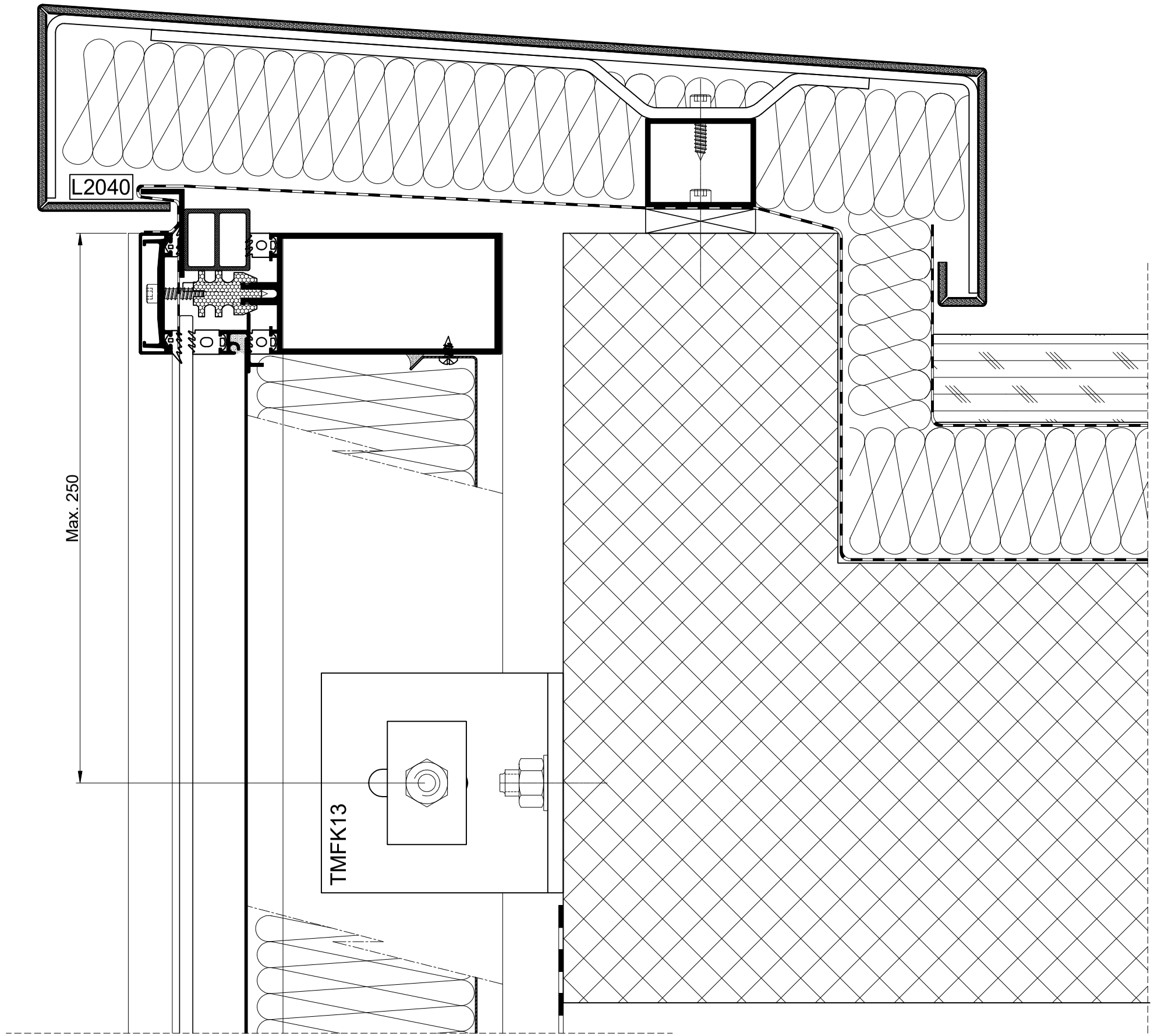

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TMFK13
L2040

Kontinualana fasada
Continual facade
Непрерывный фасад

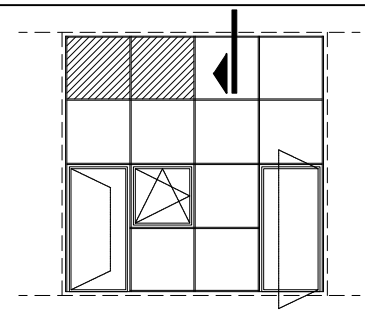


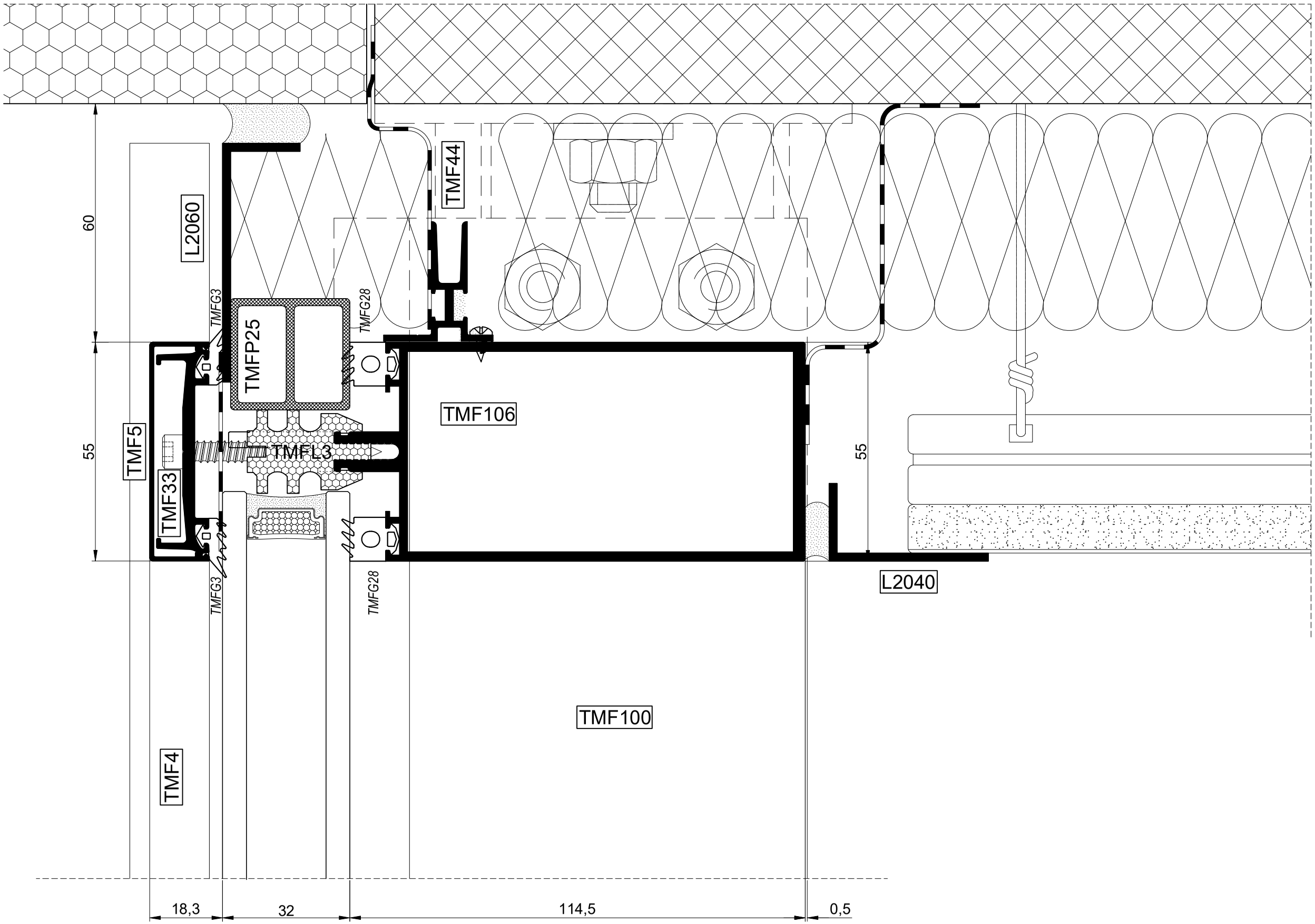
Kontinualana fasada
Continual facade
Непрерывный фасад

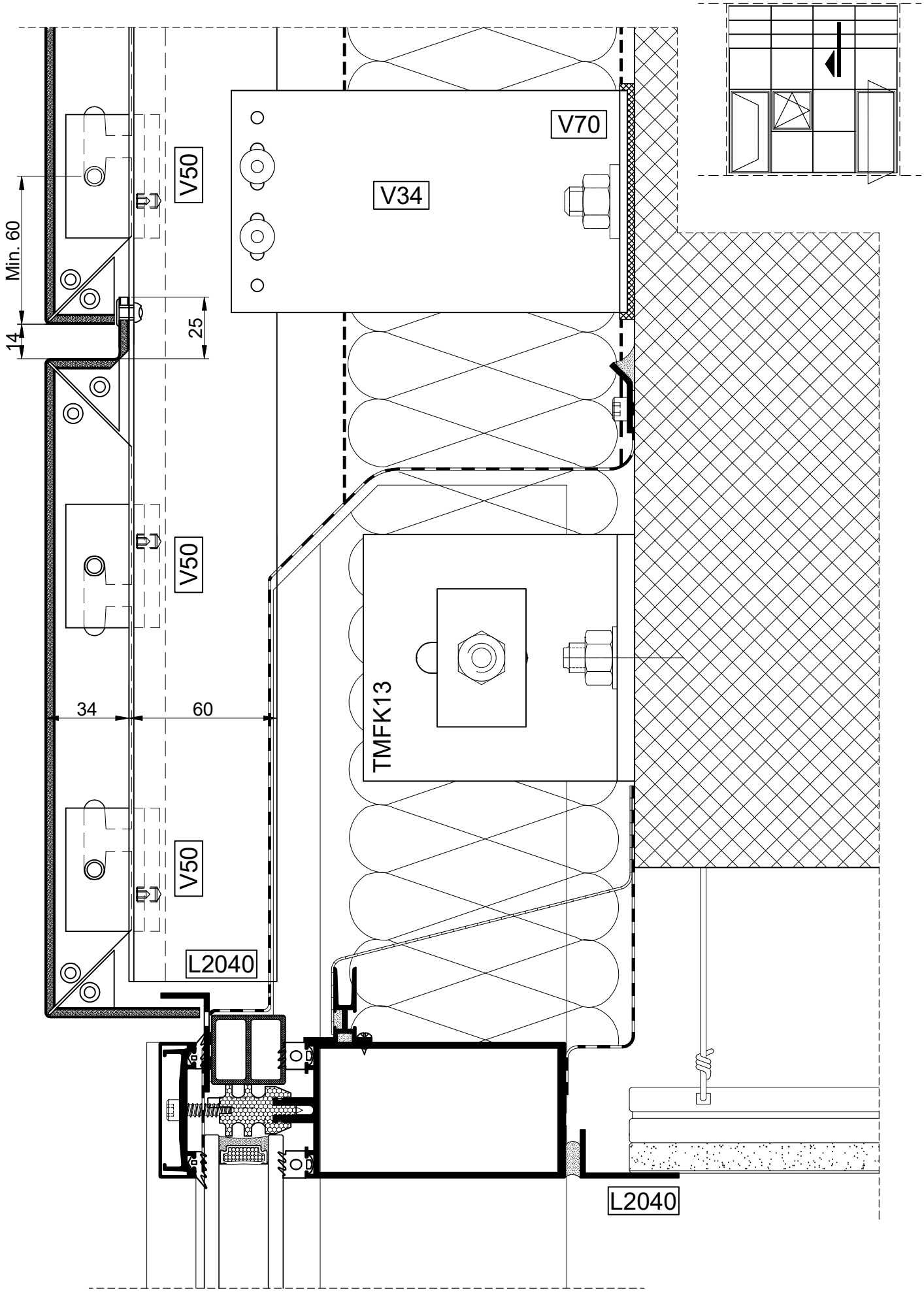




Kontinualana fasada
Continual facade
Непрерывный фасад






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V34
V50
V50
V50
Min. 60
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25
34
60
TMFK13
L2040
L2040

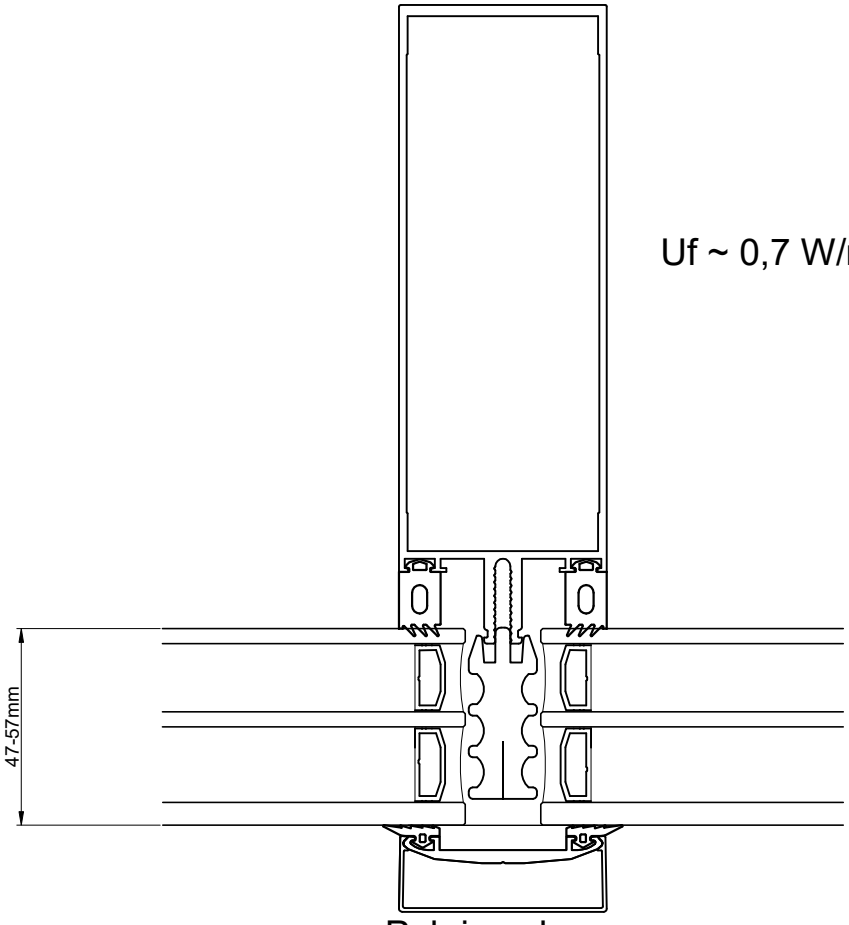
Sistem
System
Система

ALUMINIK CS55

Kontinualna fasada
Continual facade
Непрерывный фасад

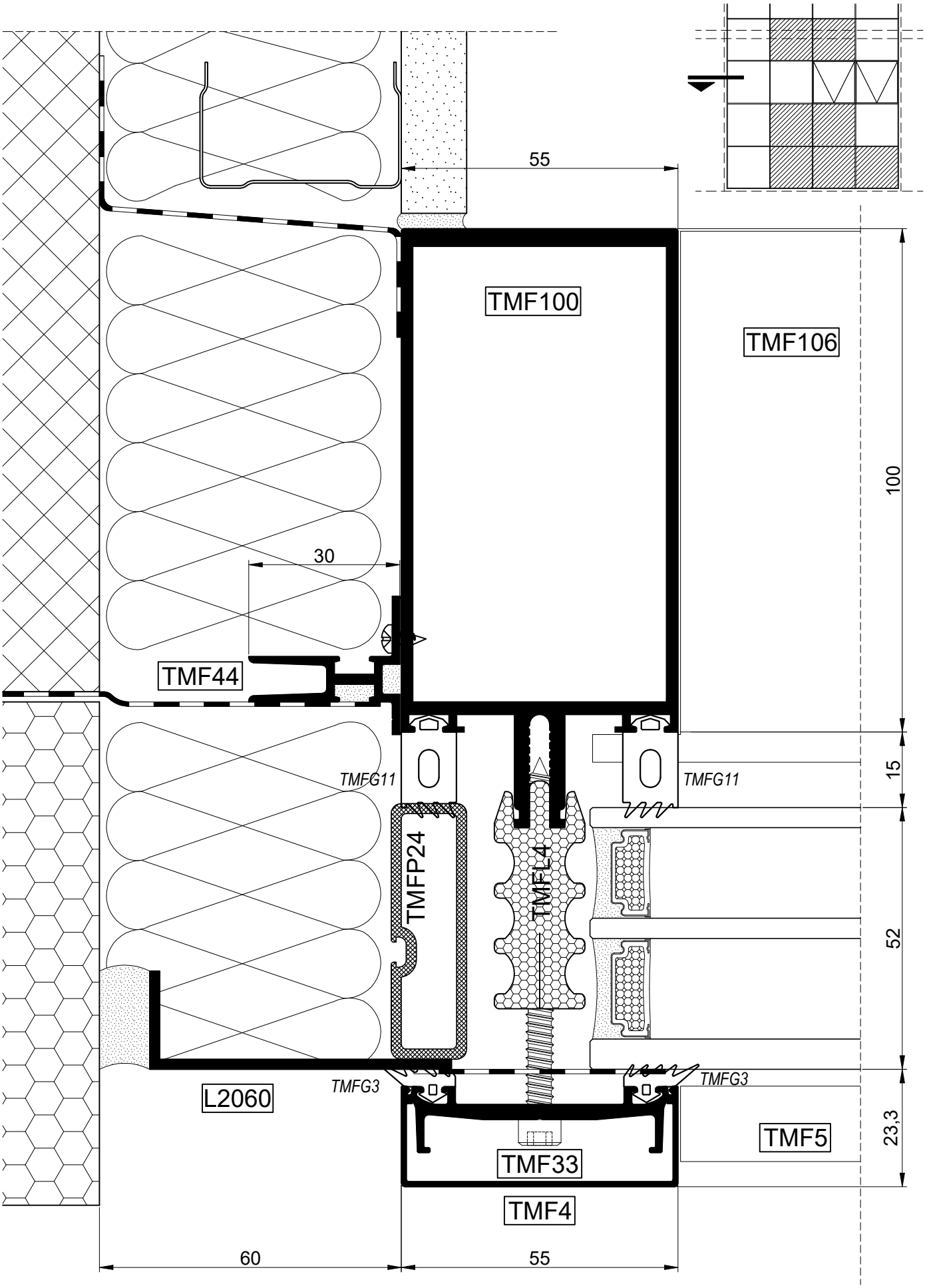
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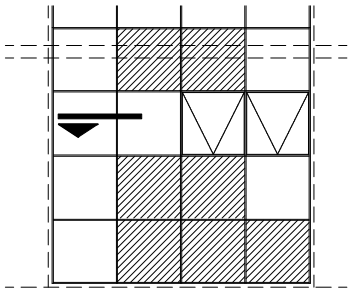
Troslojno ostakljenje
Triple glazing
Трокамерный стеклопакет

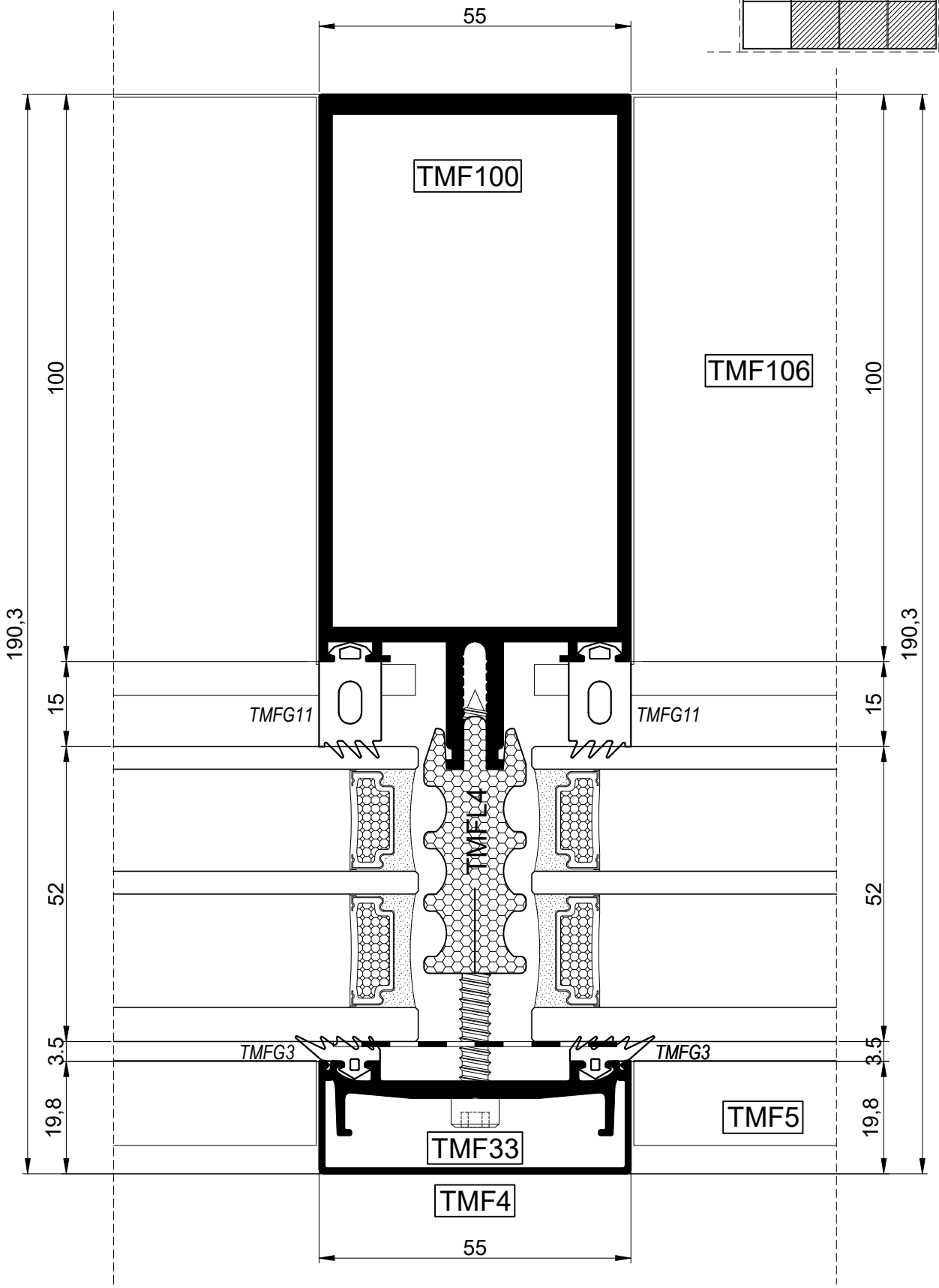


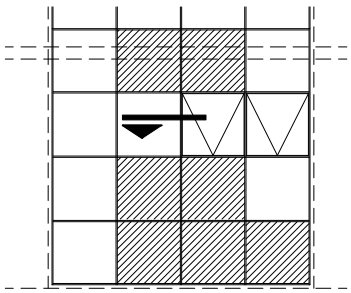
Uf ~ 0,7 W/m K

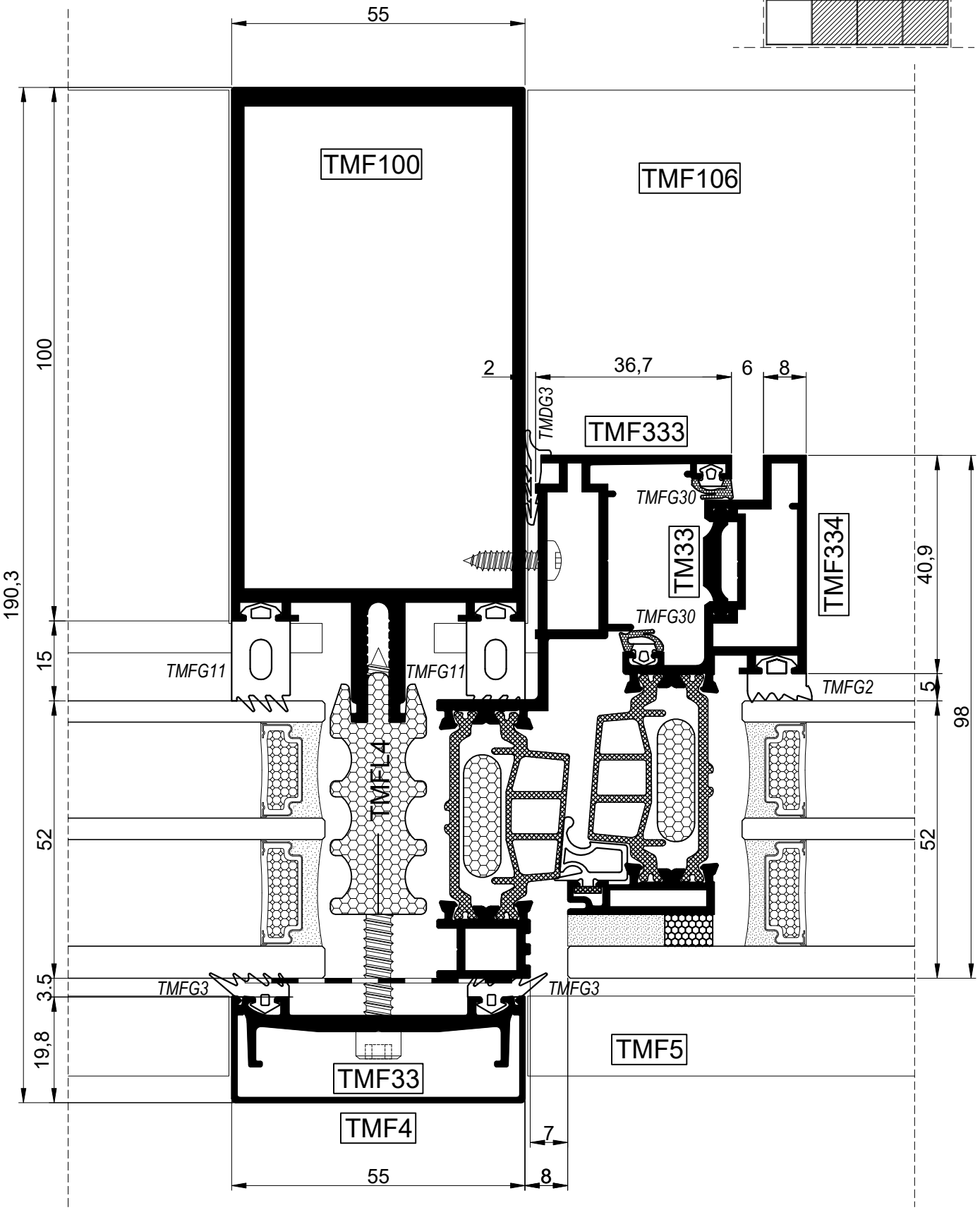
Pokrivna kapa
Cover cap
Торцевая крышка

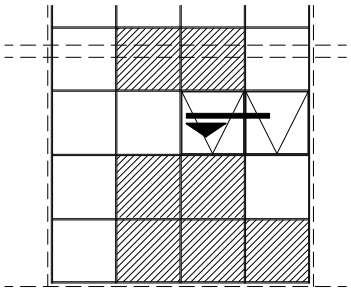

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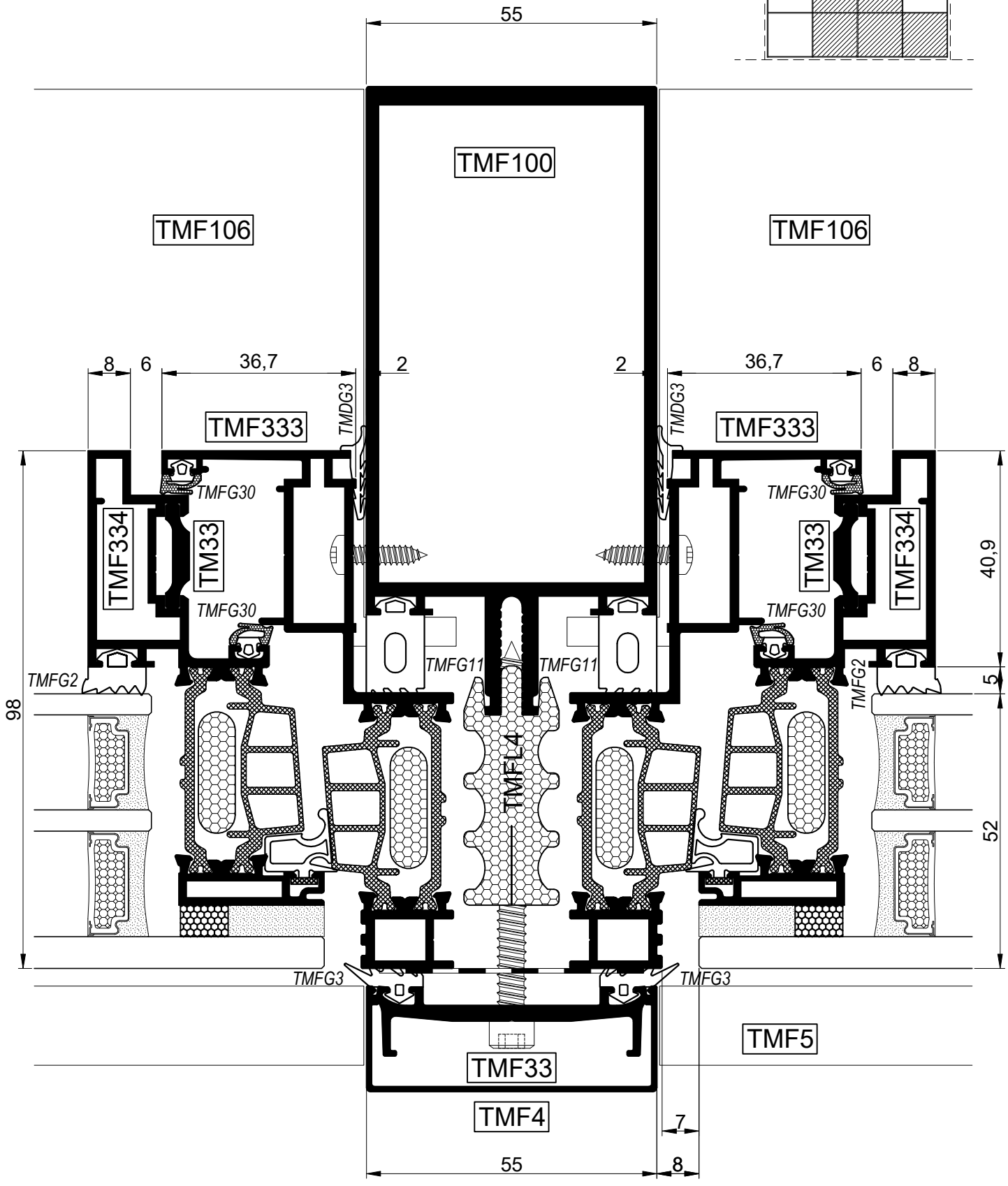


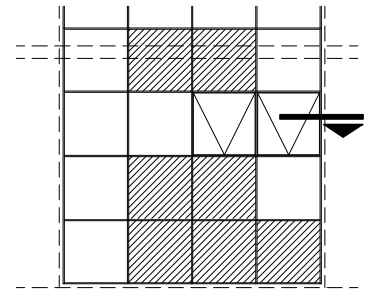

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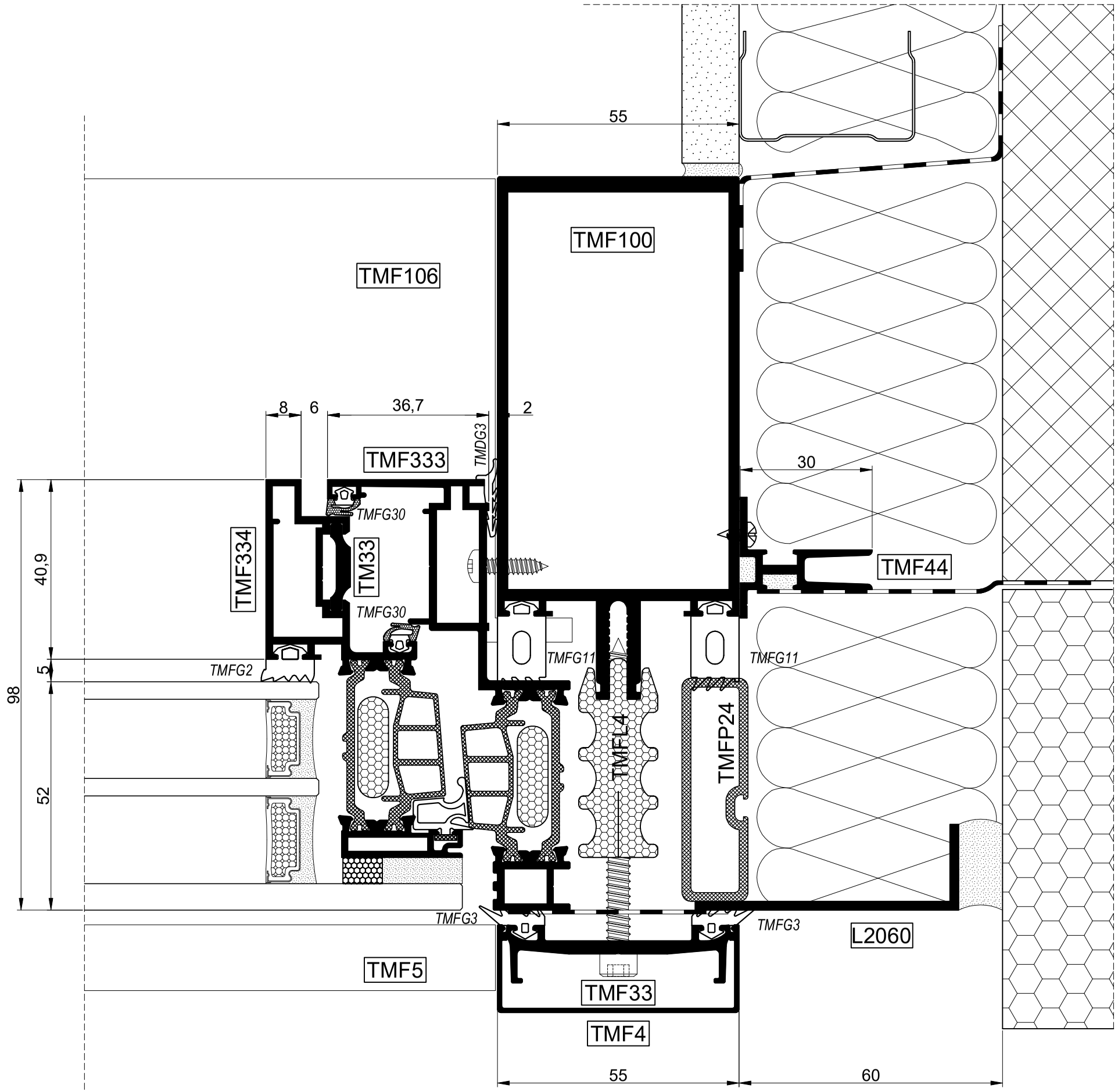


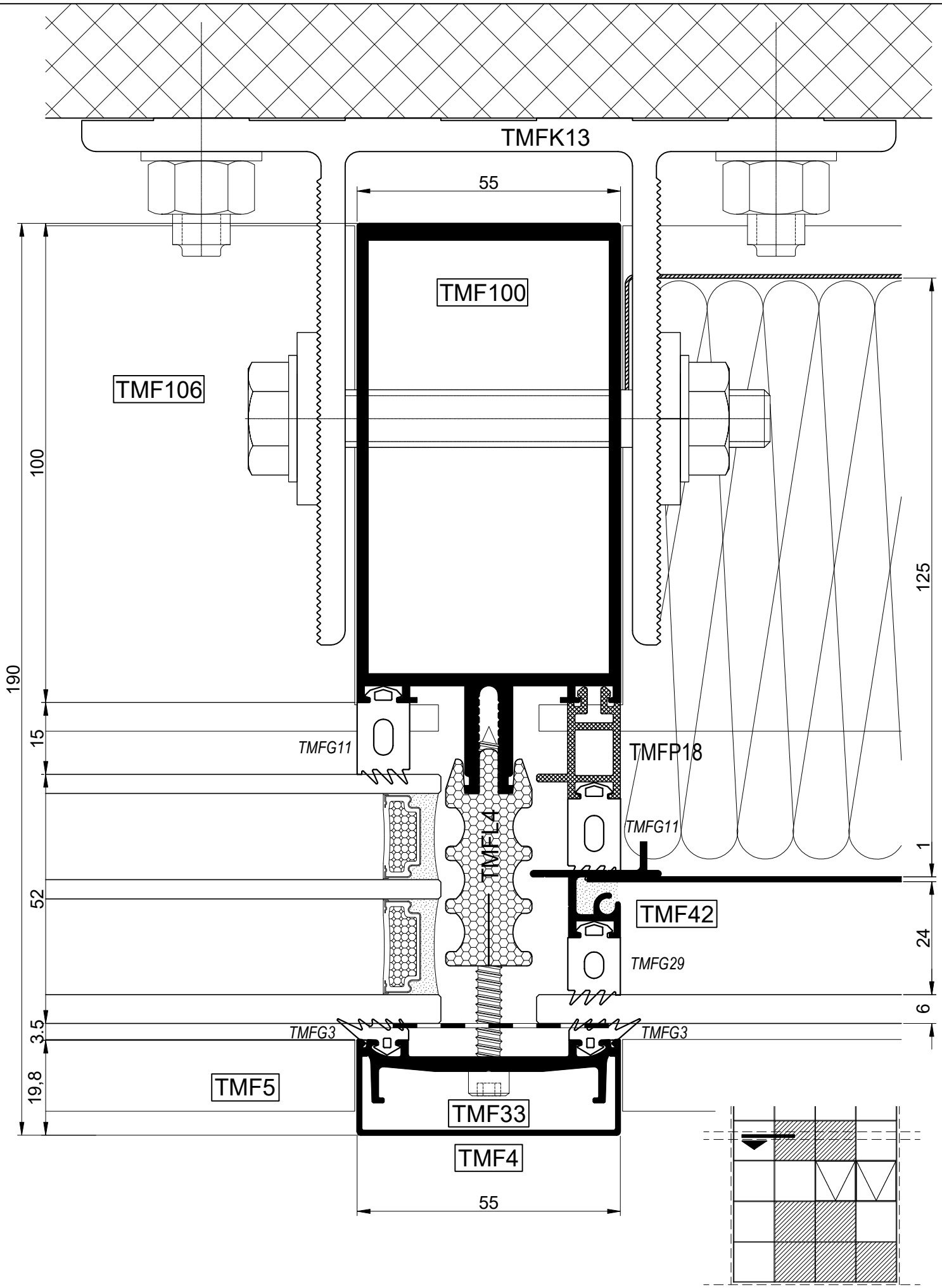

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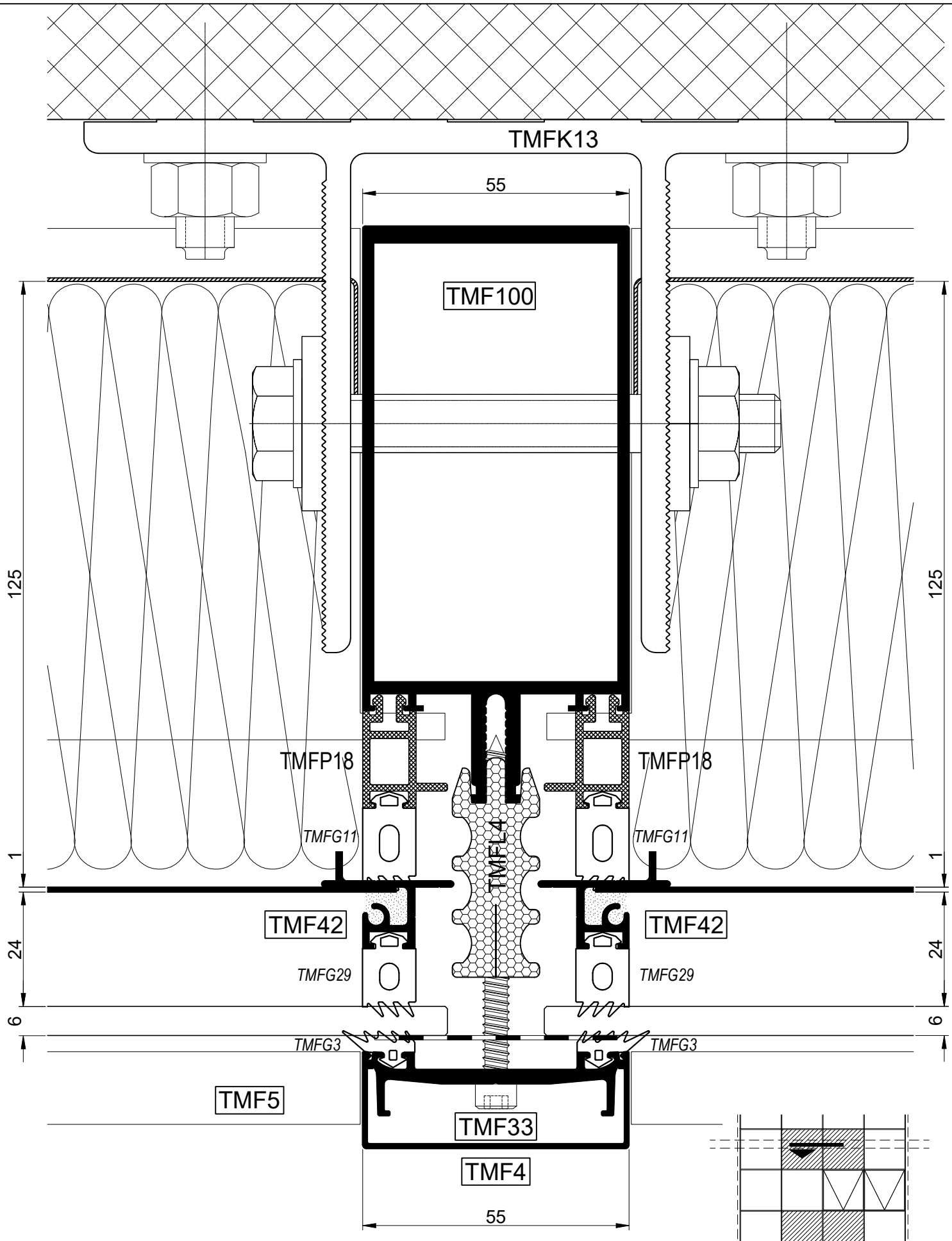


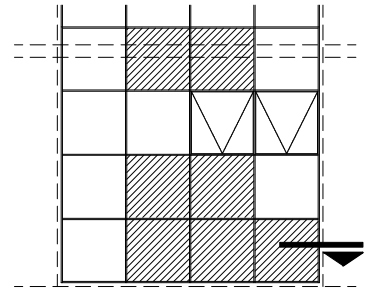

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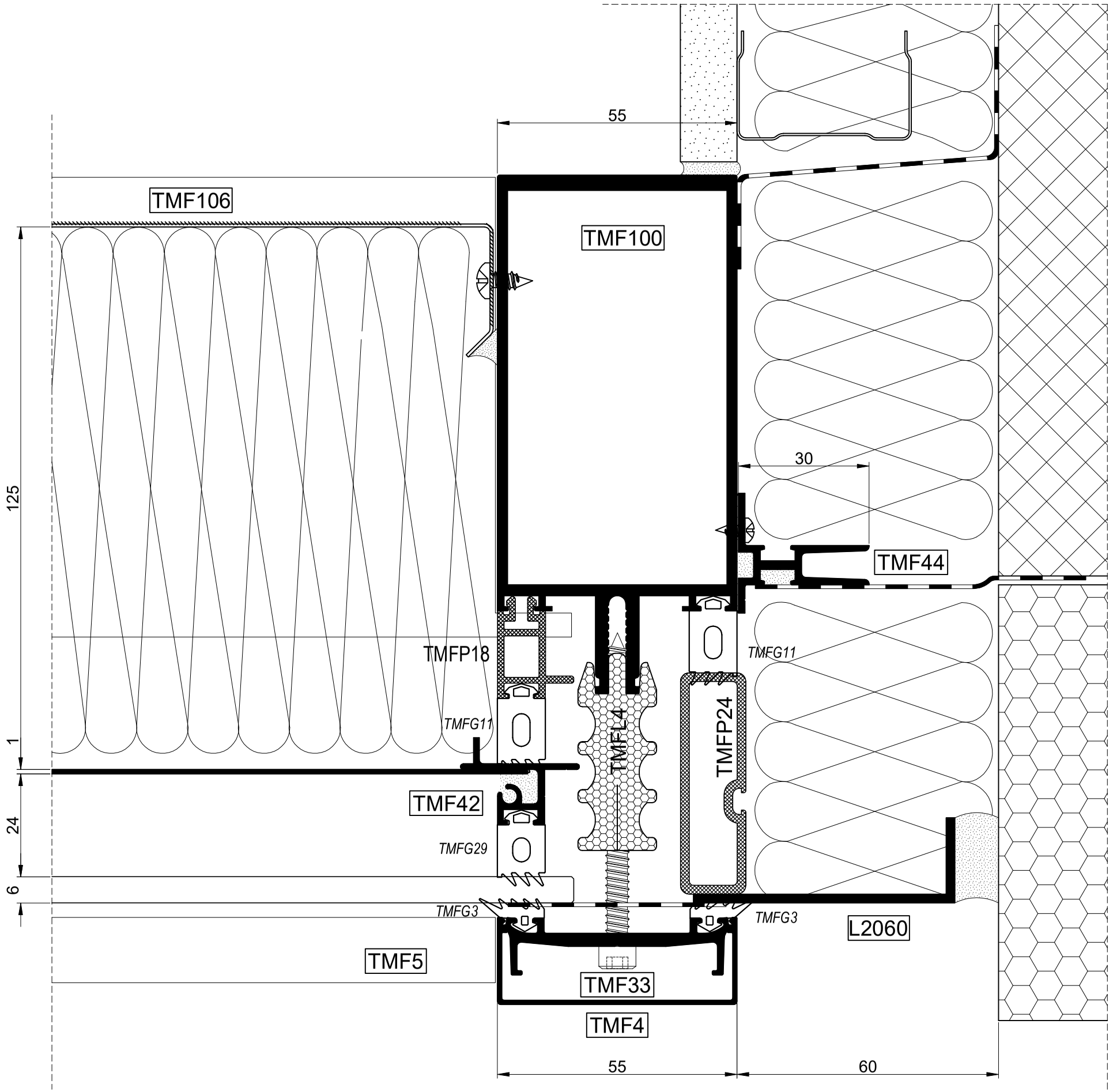


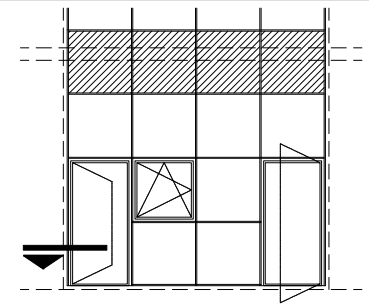

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TMF5
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TMFK13
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TMFL4
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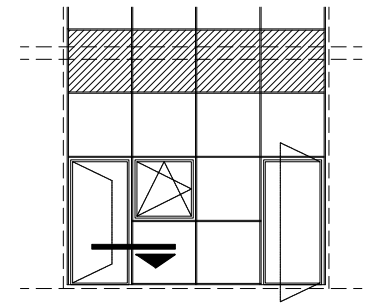


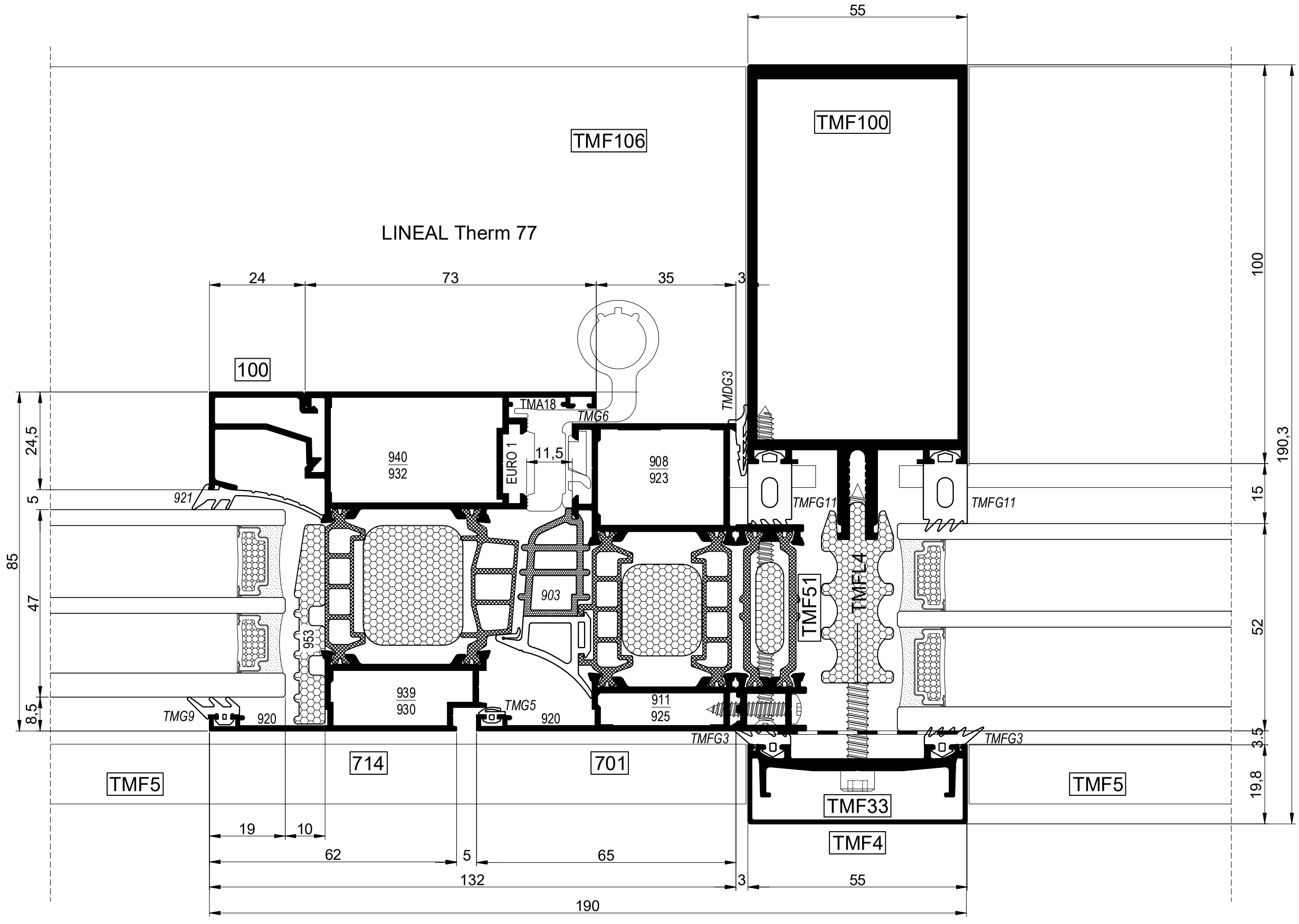

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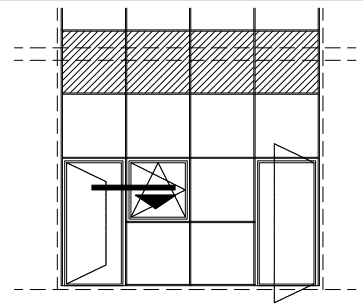


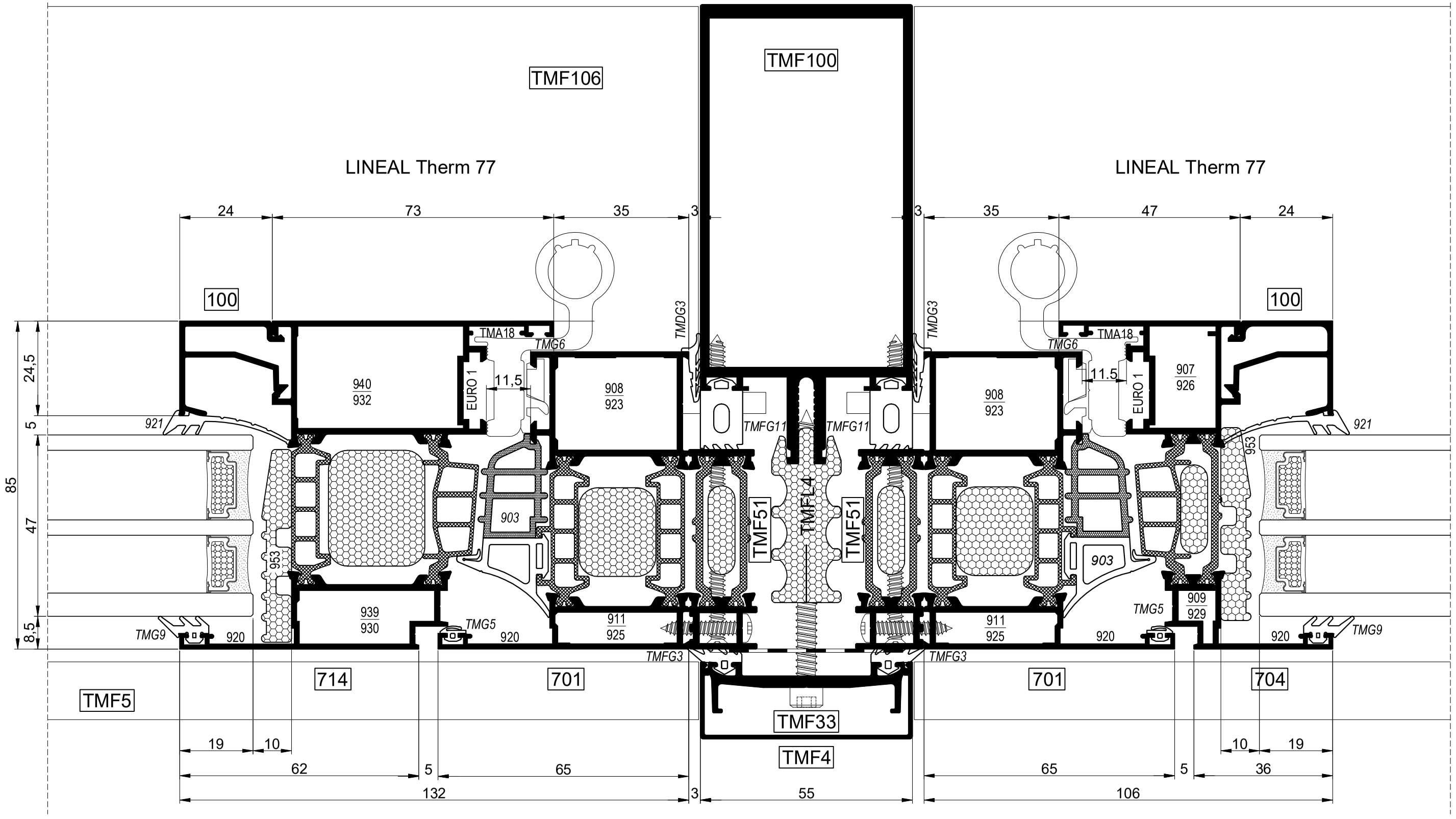
LINEAL Therm 77

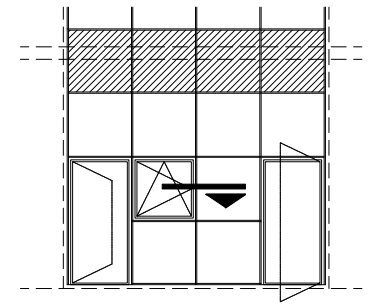
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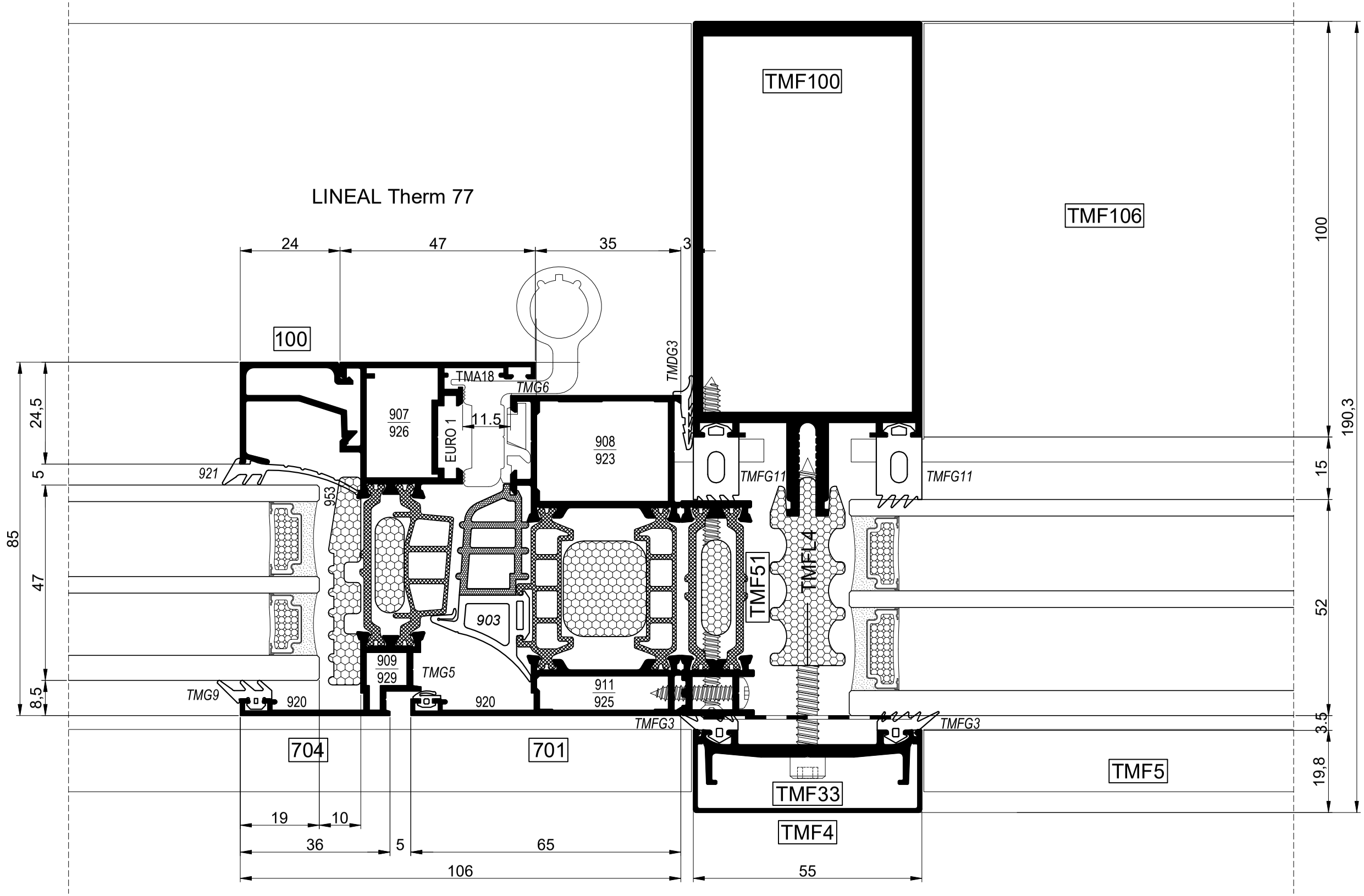


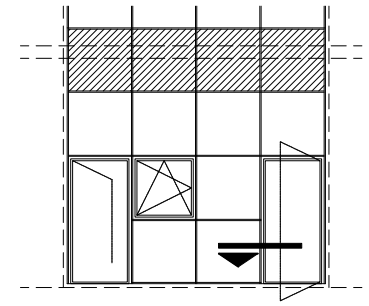

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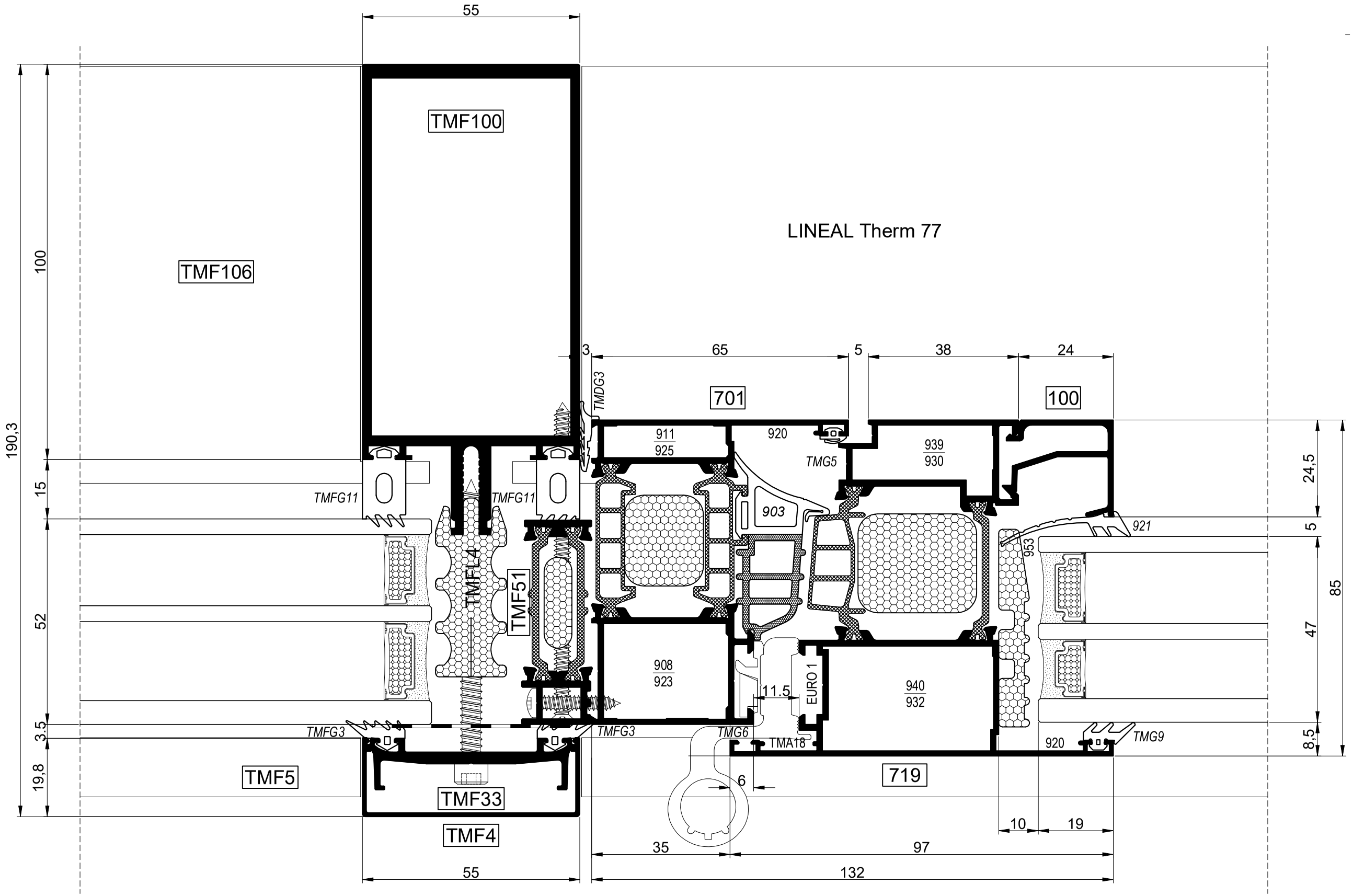


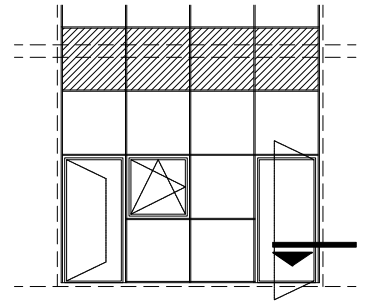

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LINEAL Therm 77
LINEAL Therm 77
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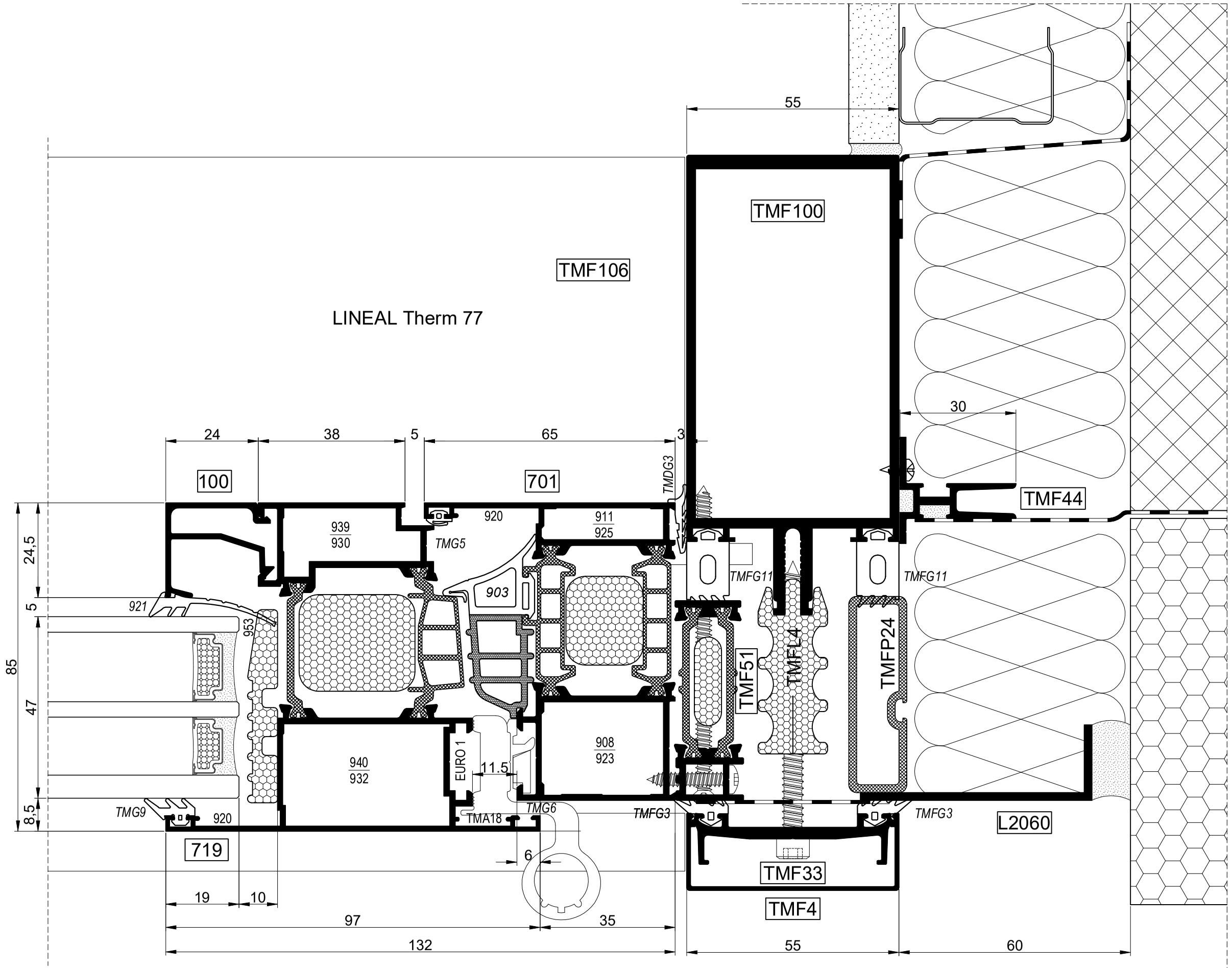


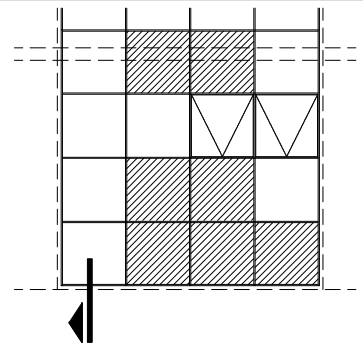

LINEAL Therm 77
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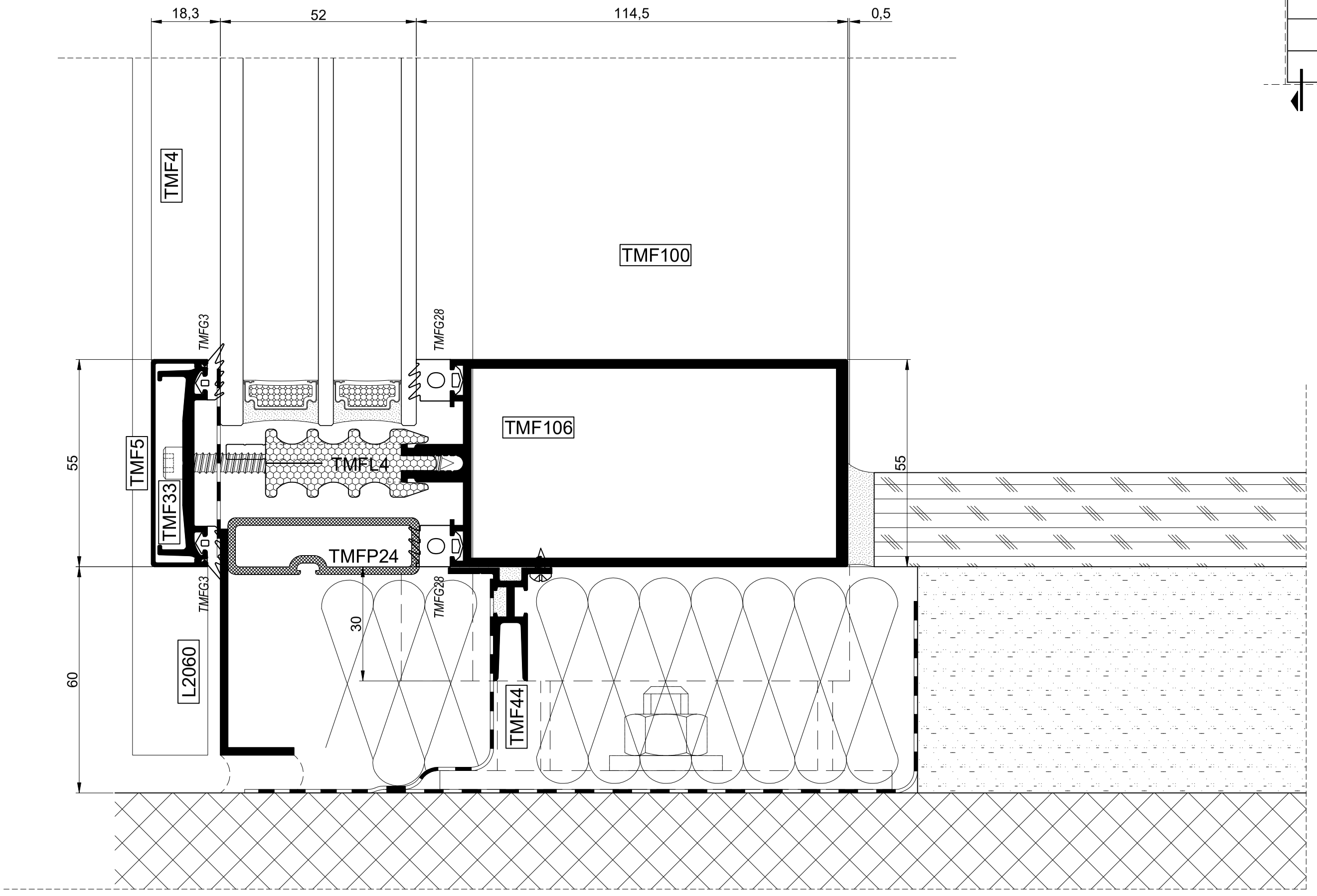


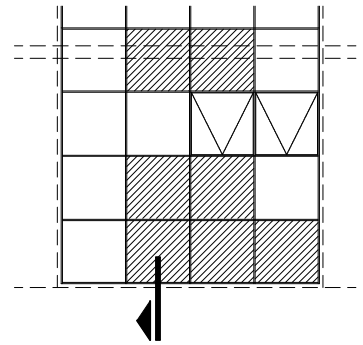

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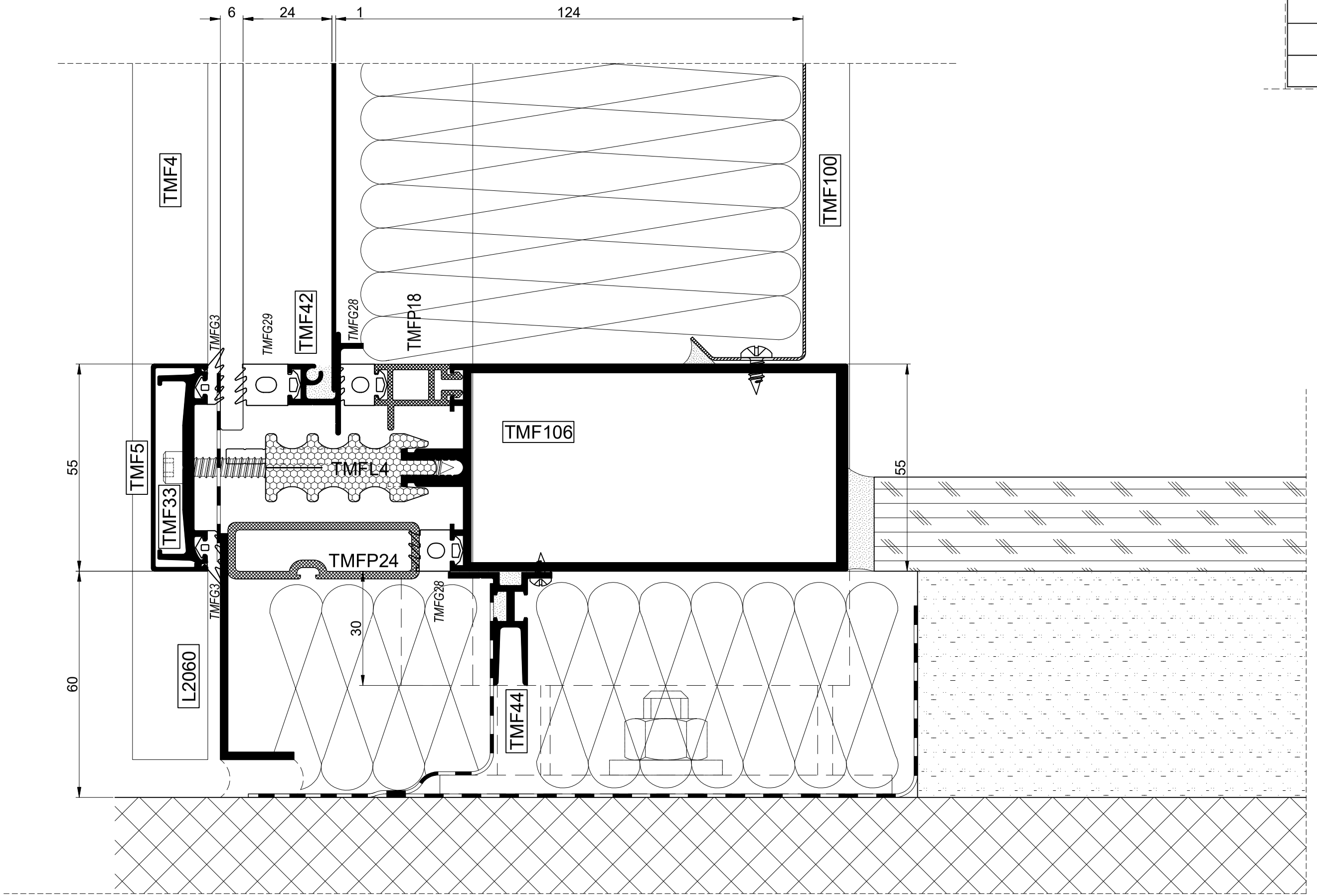


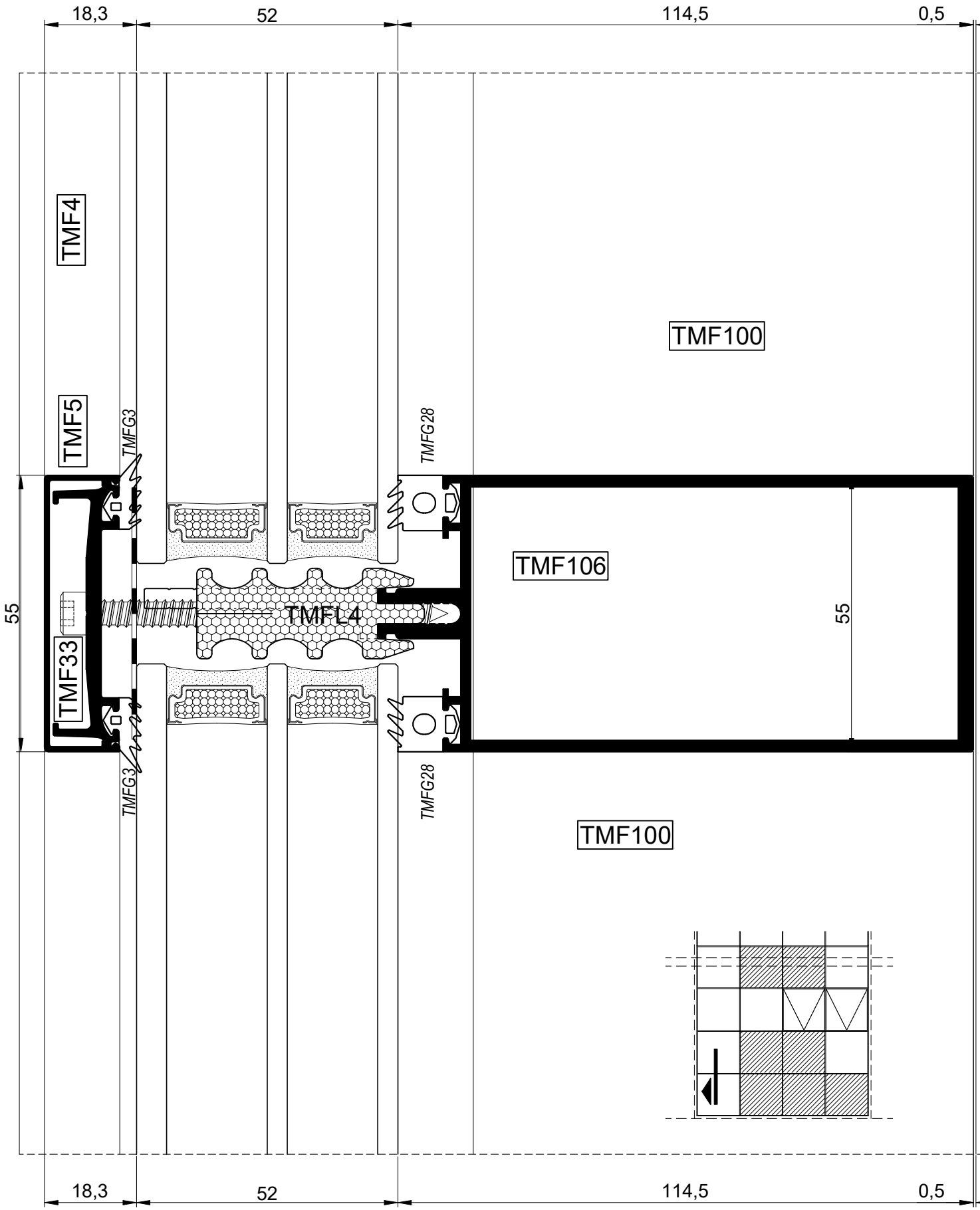

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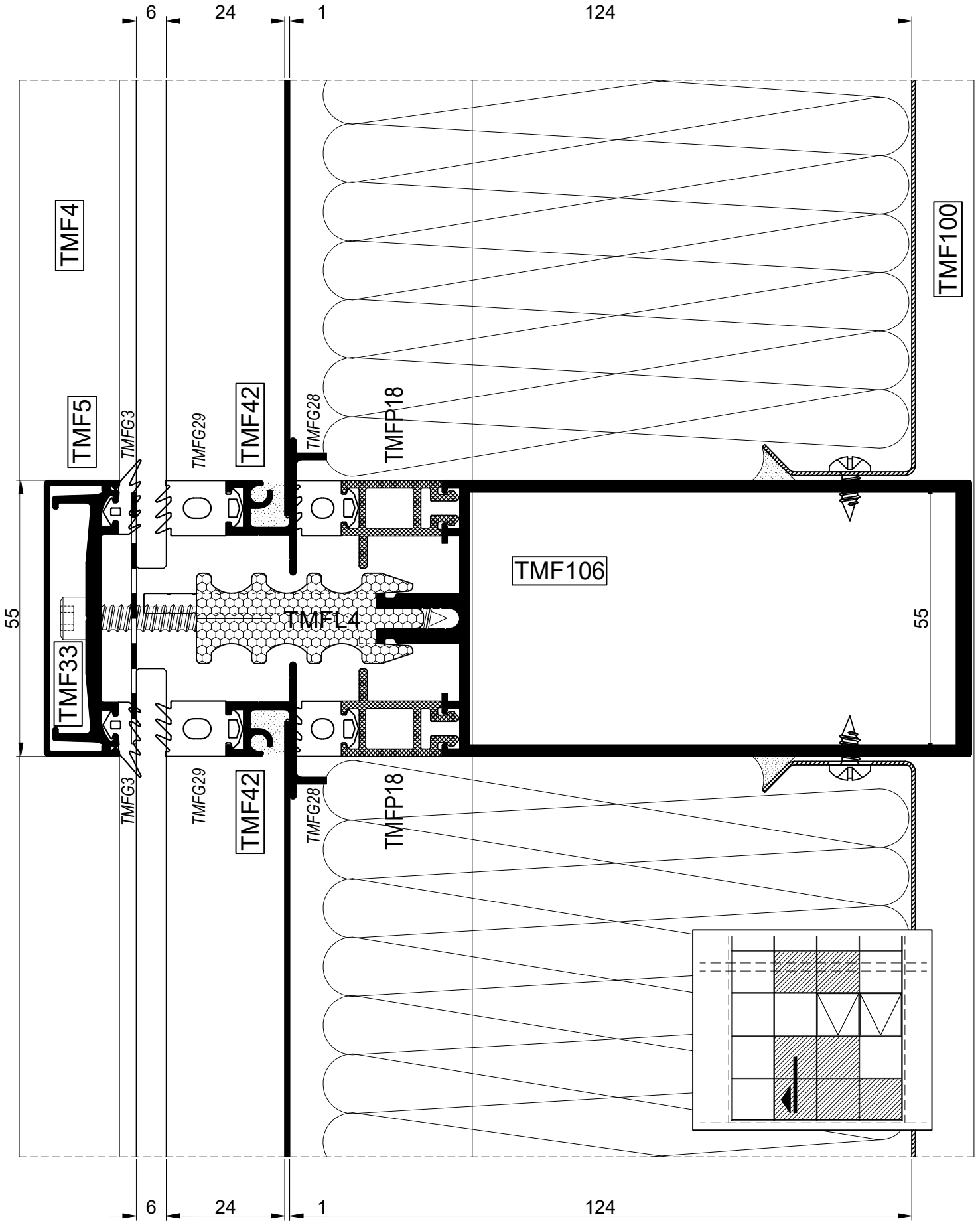


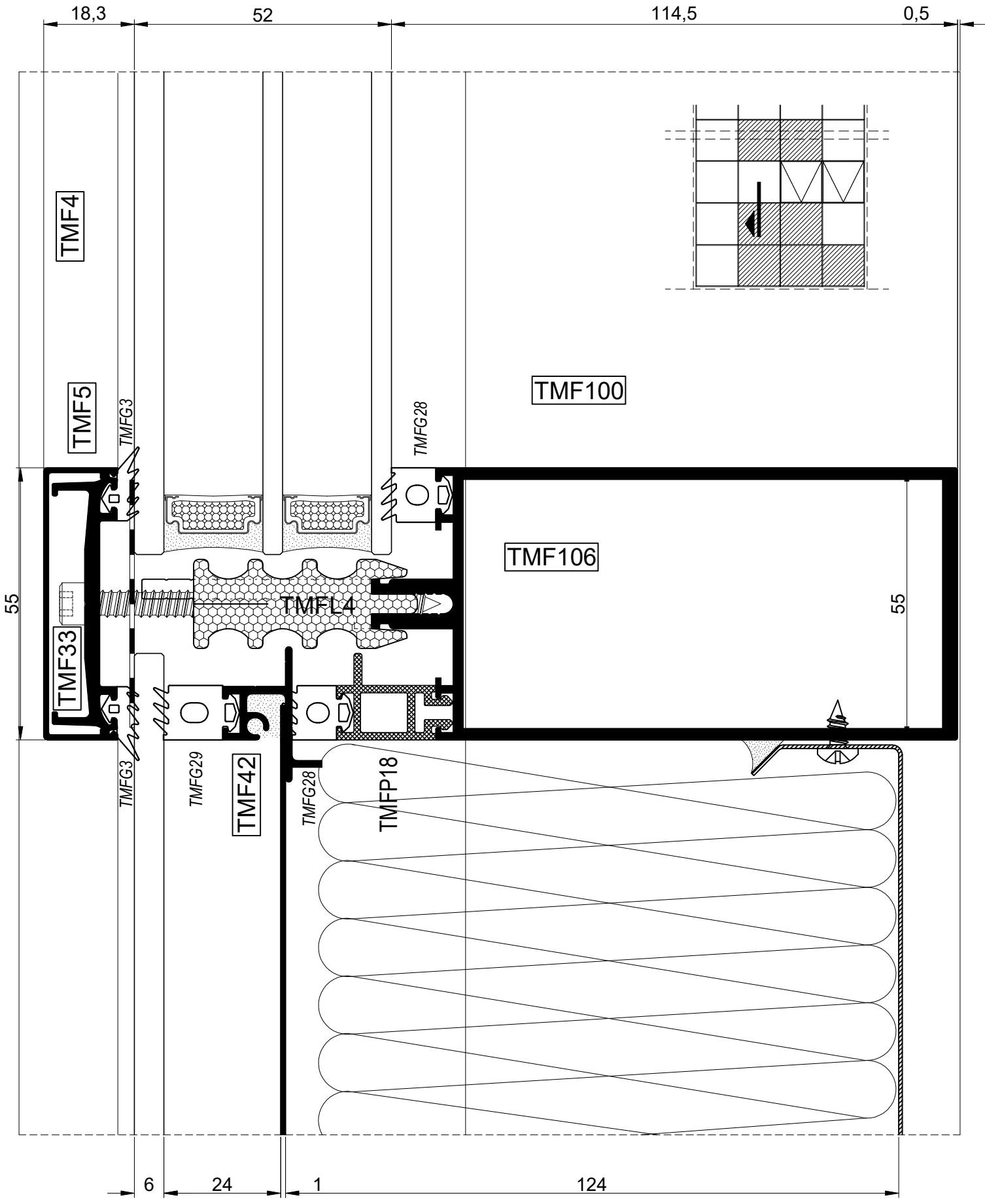

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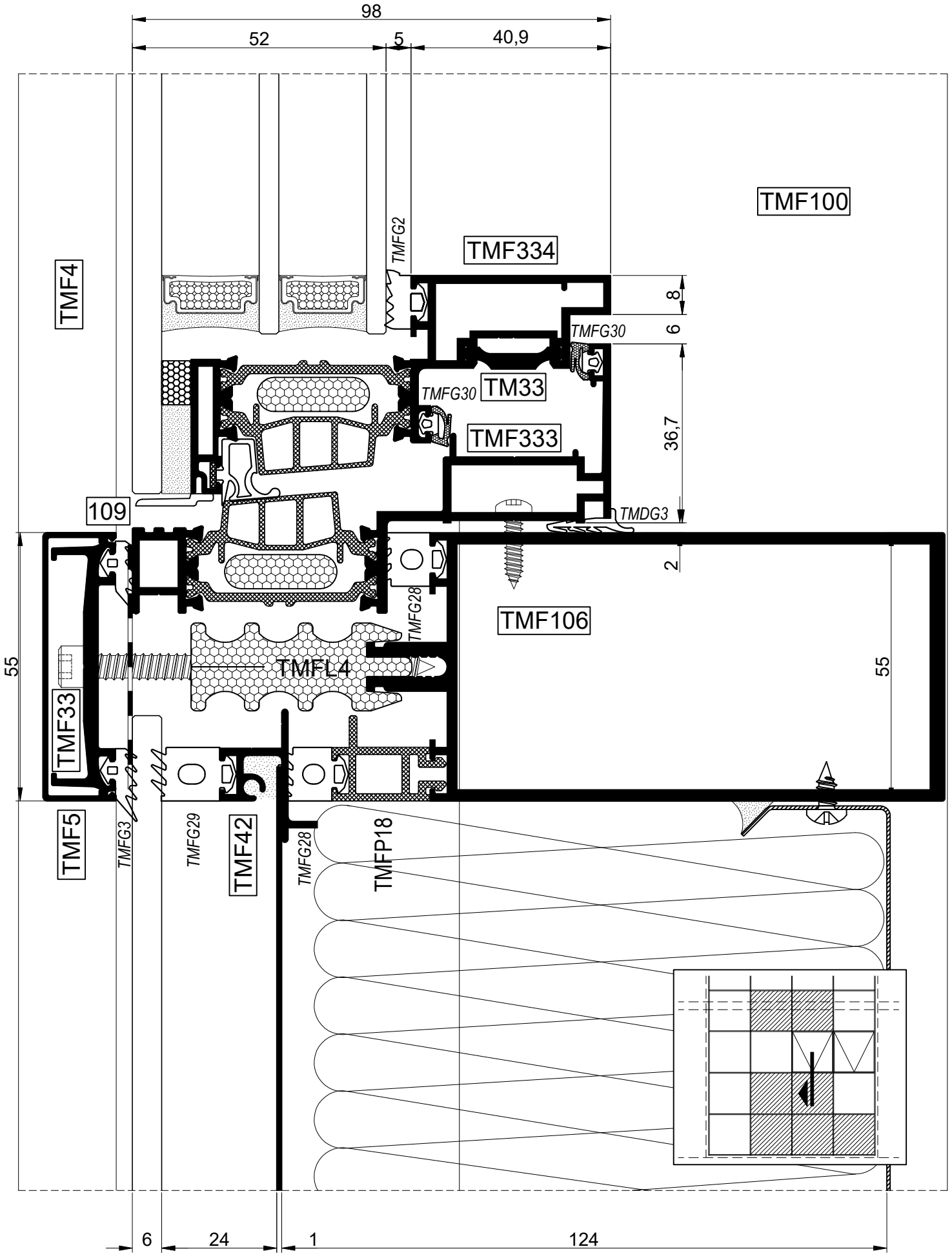


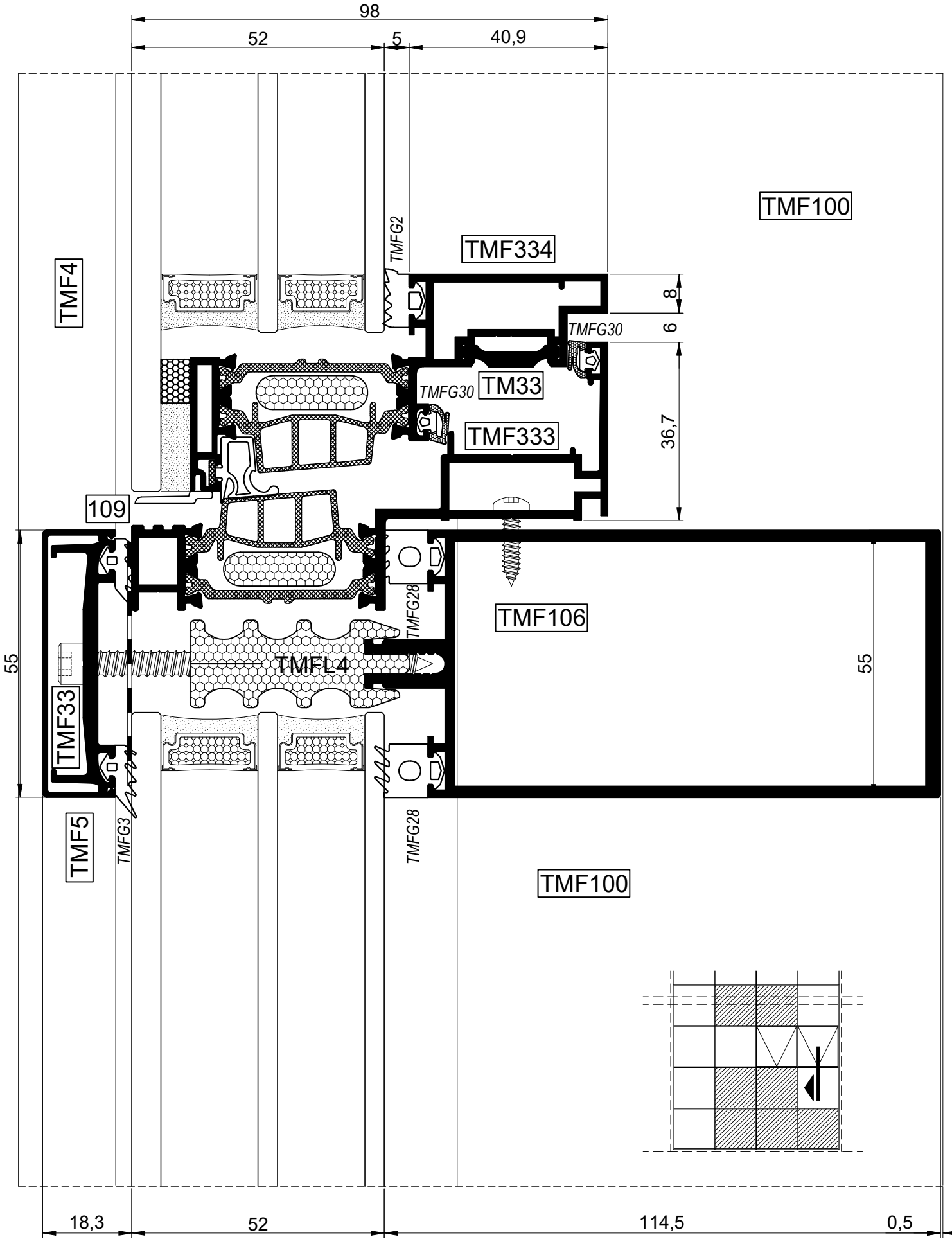

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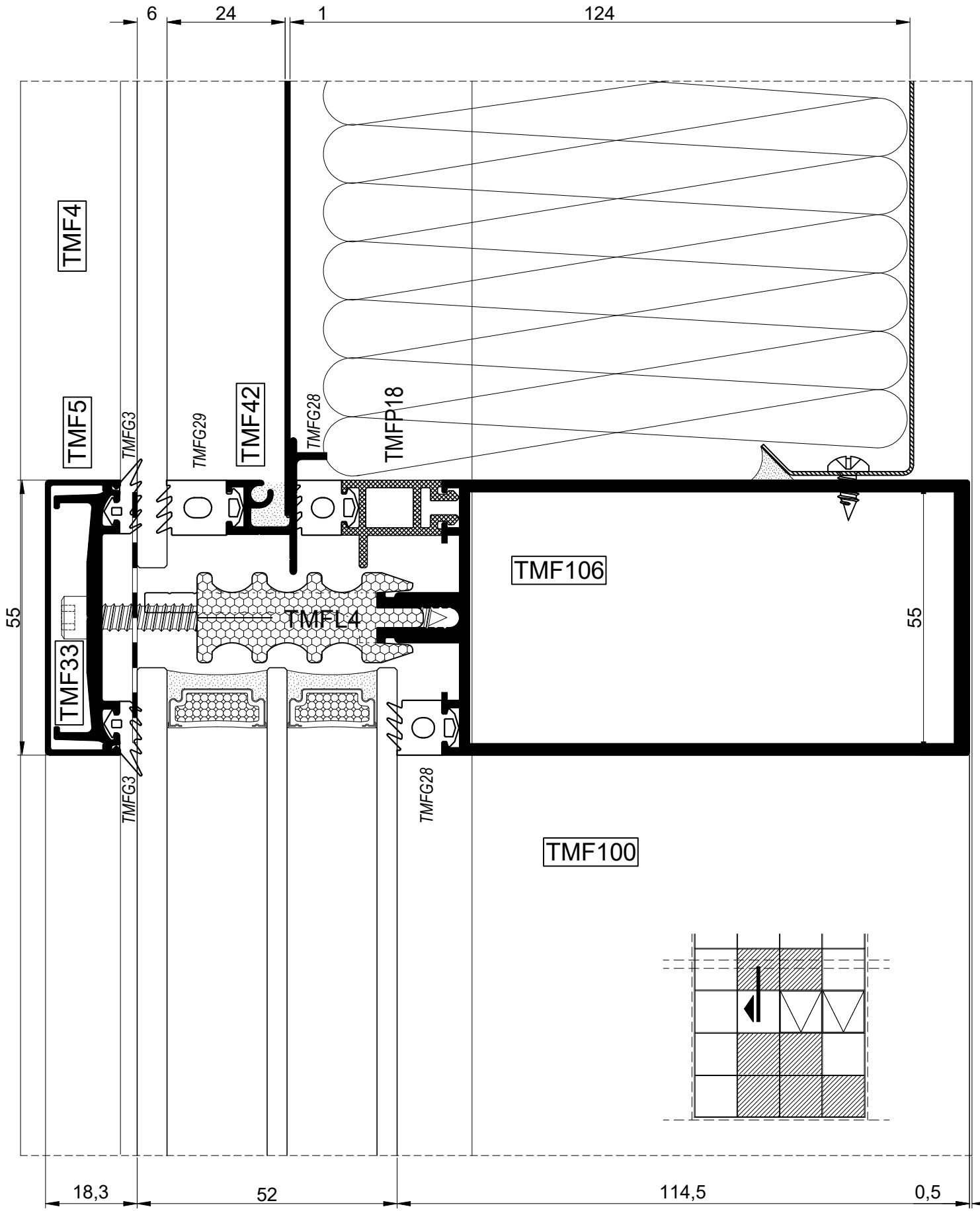

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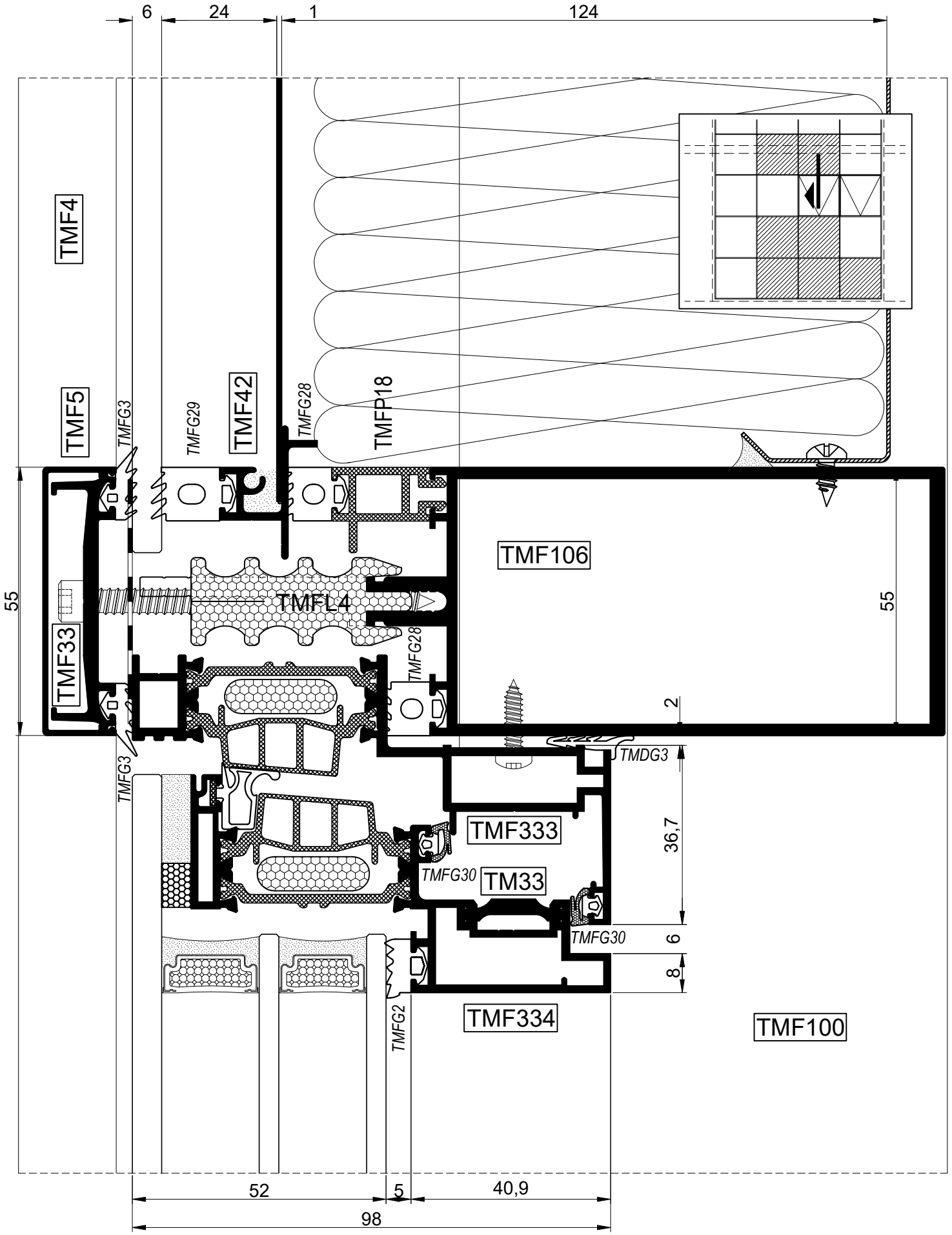

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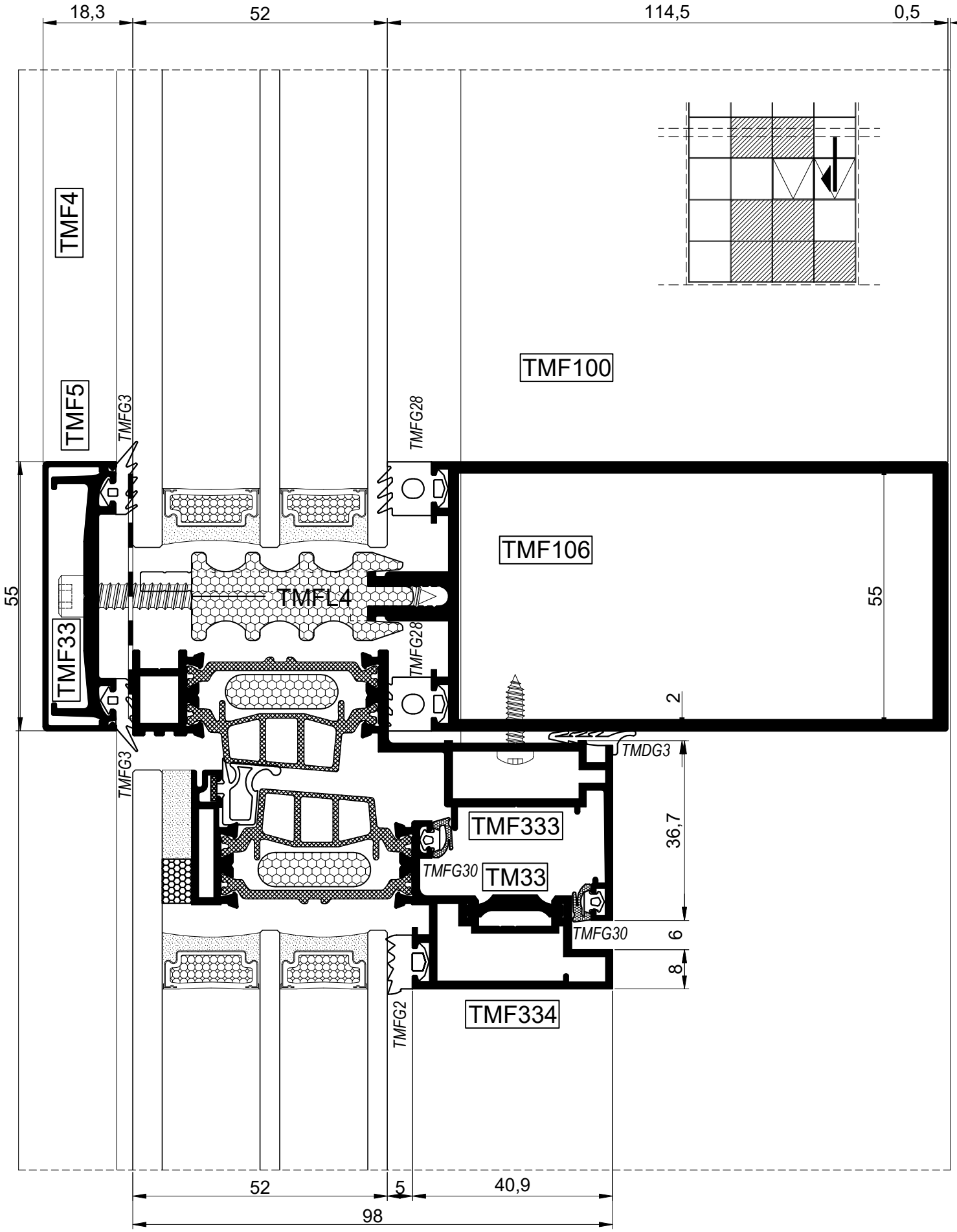

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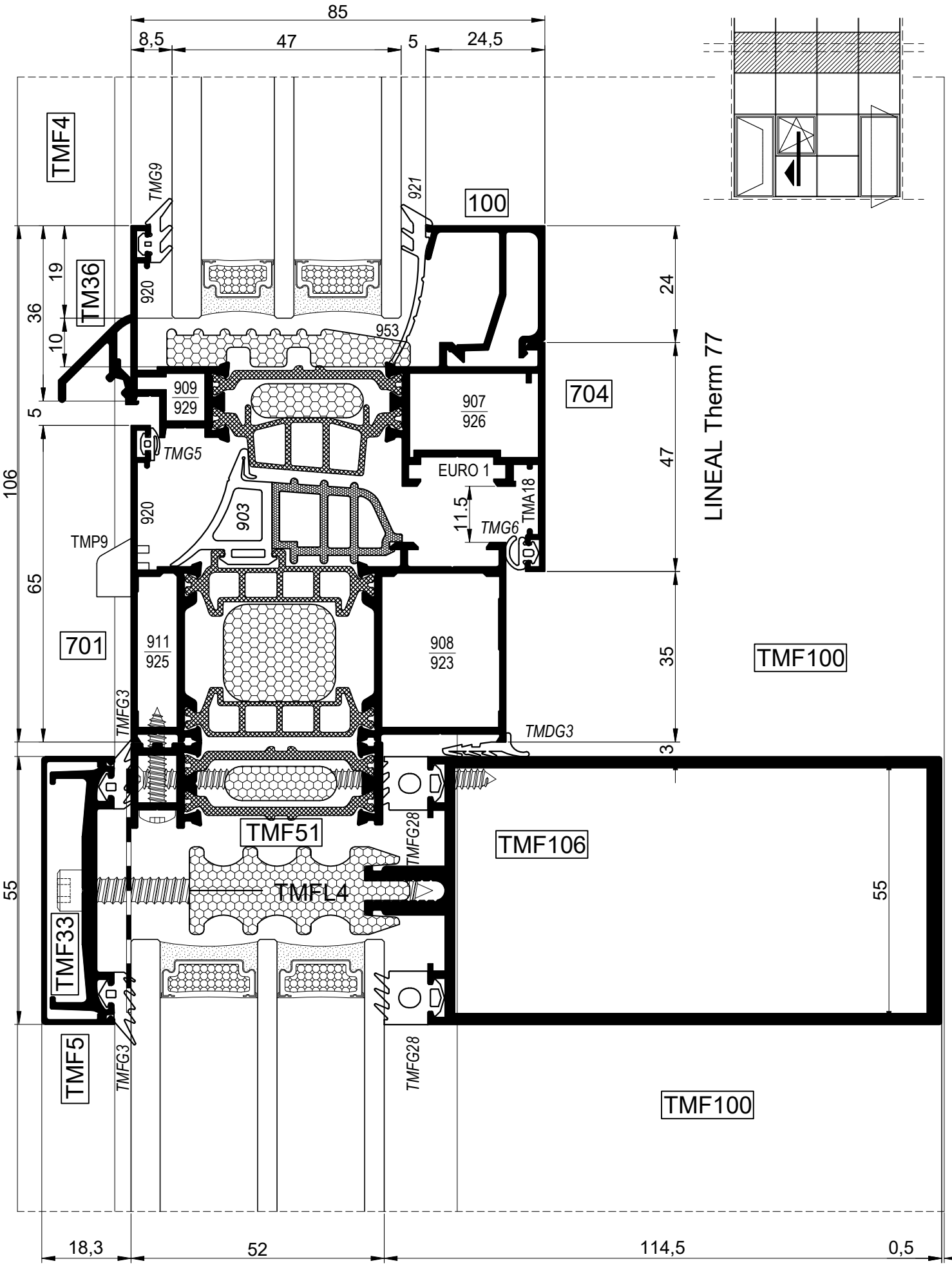

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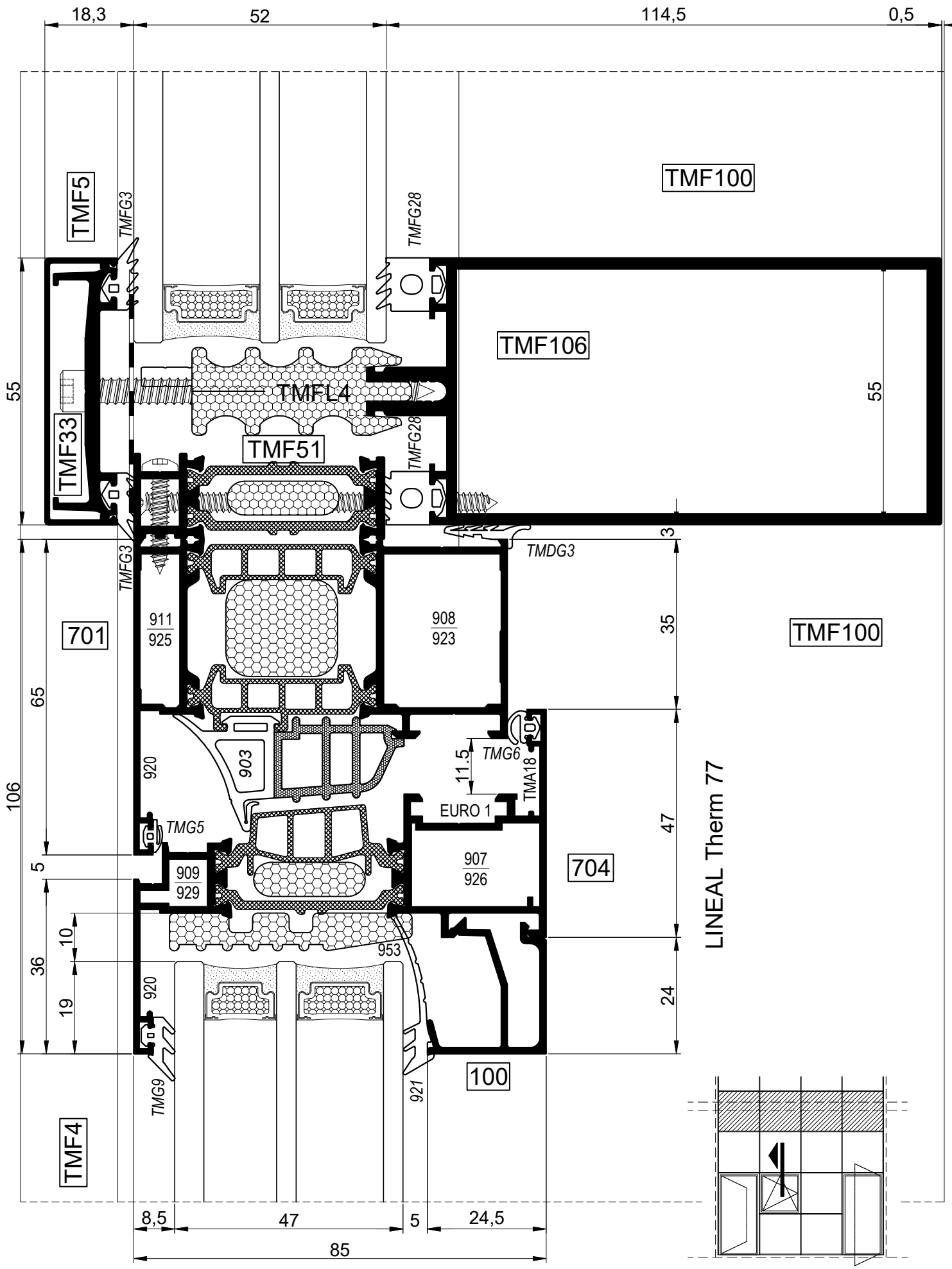

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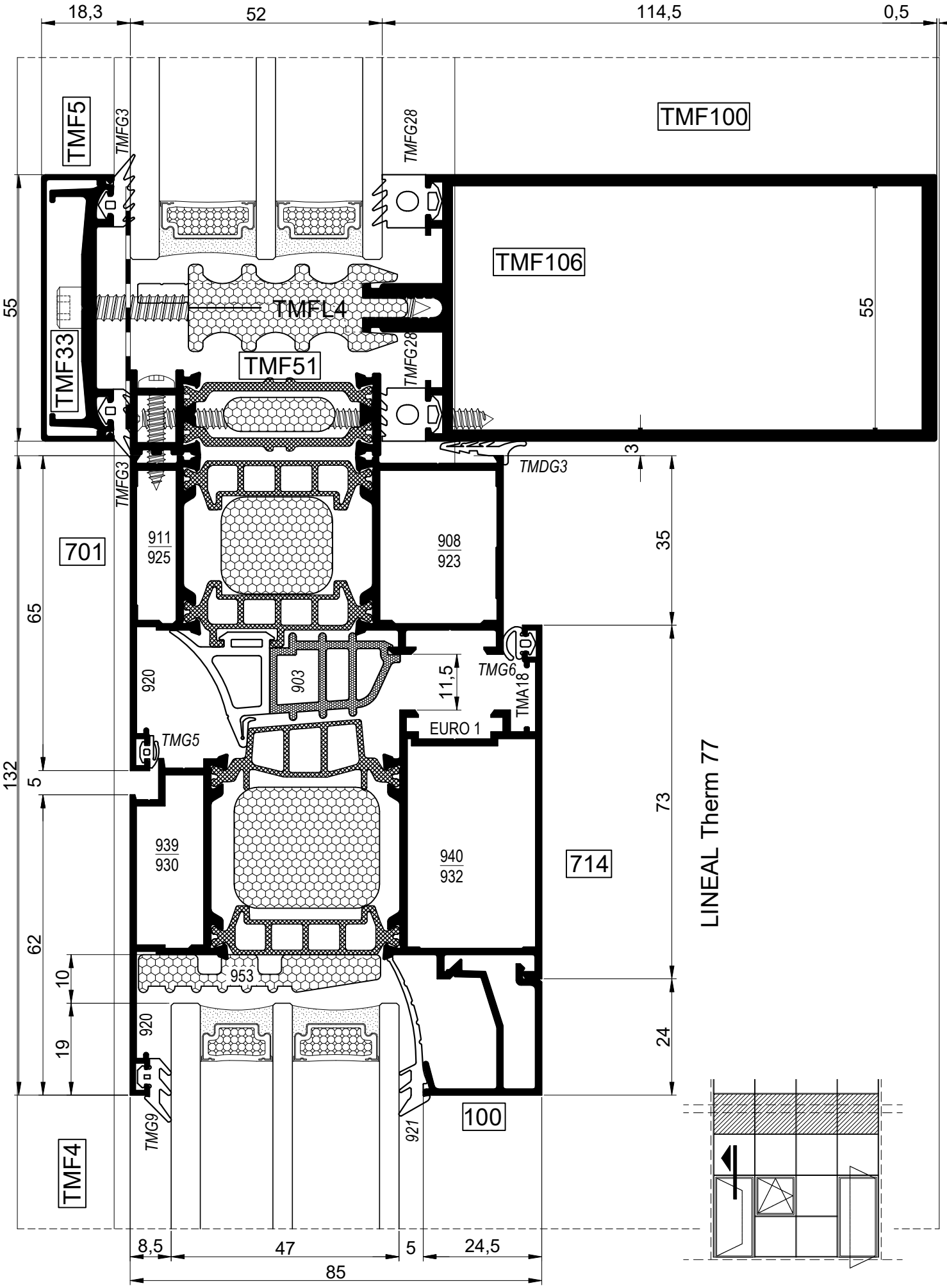

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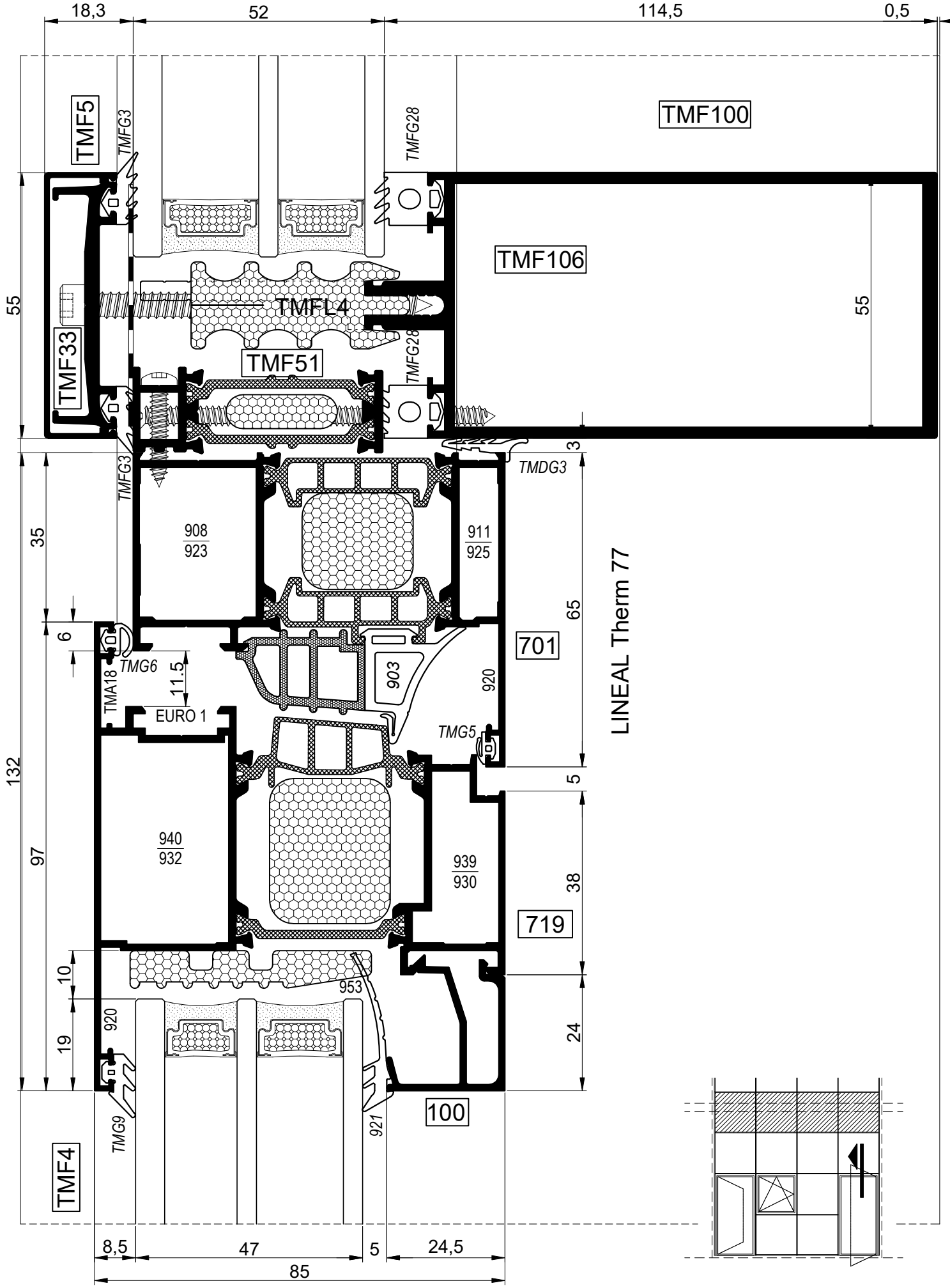

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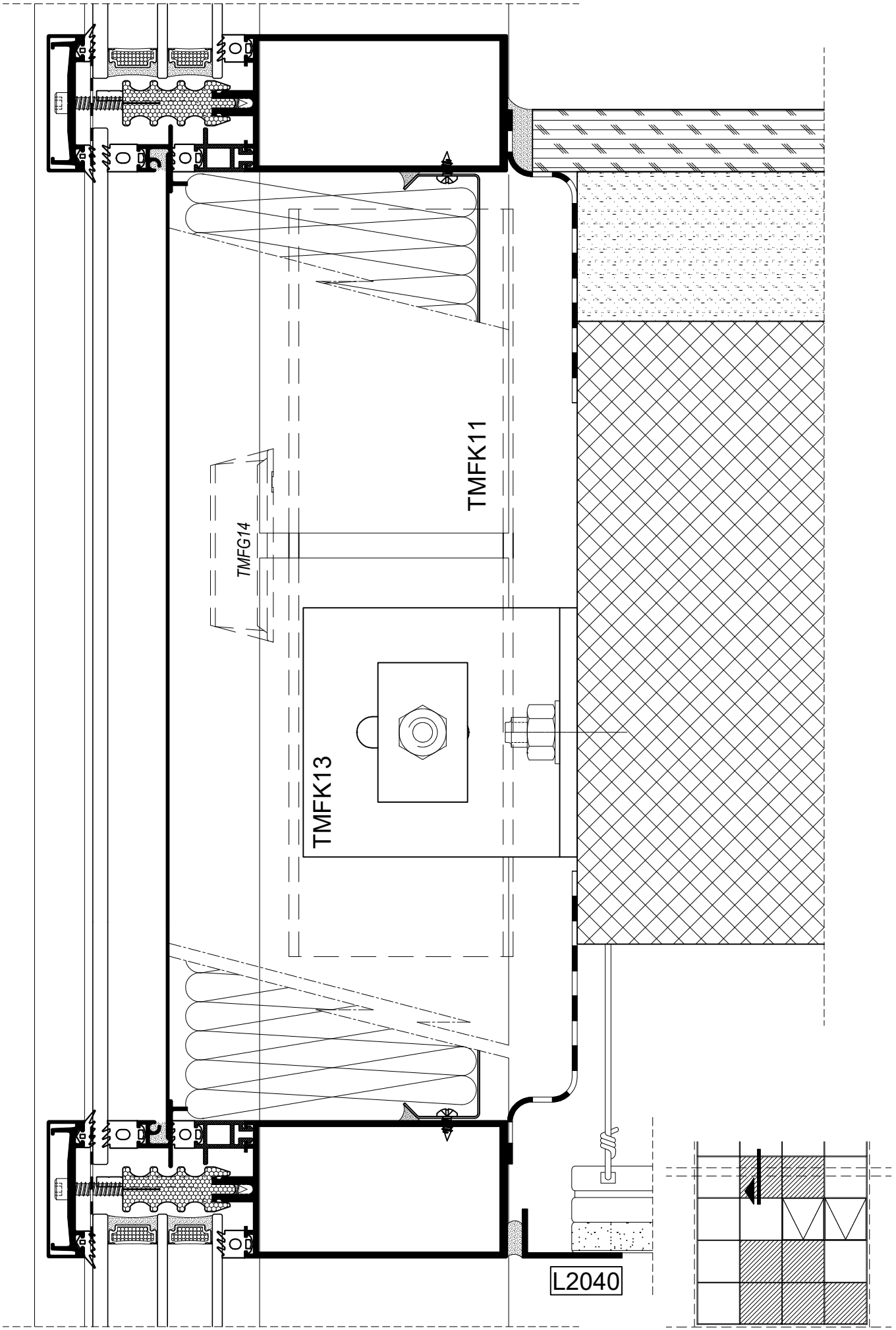

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TMA18
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TMG6
903
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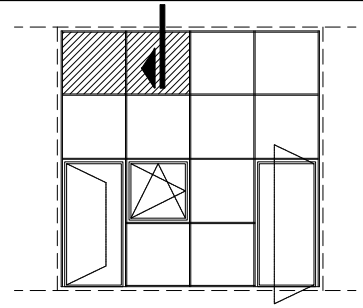

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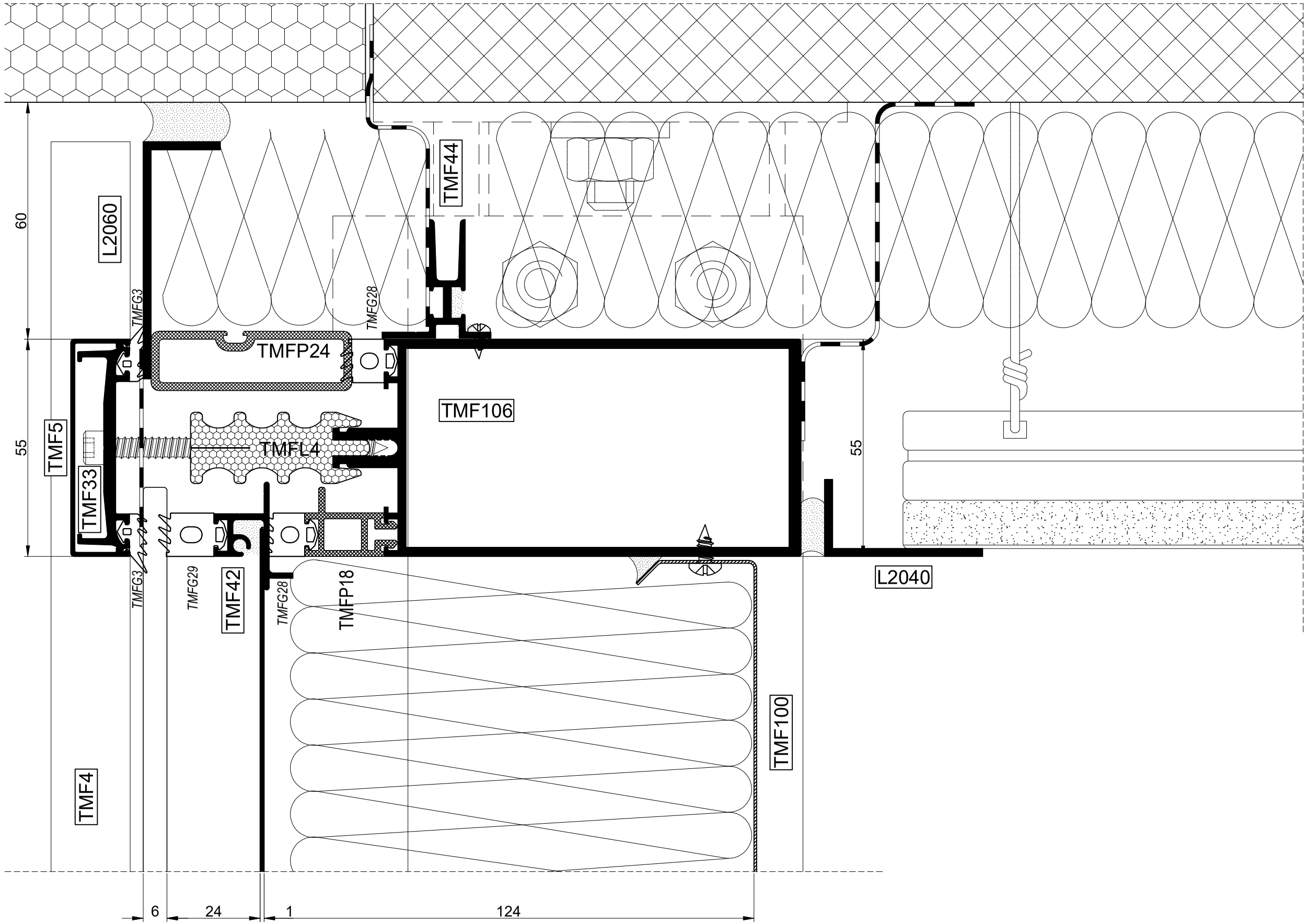

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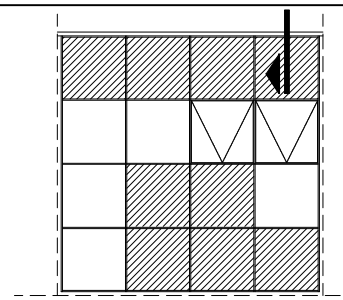

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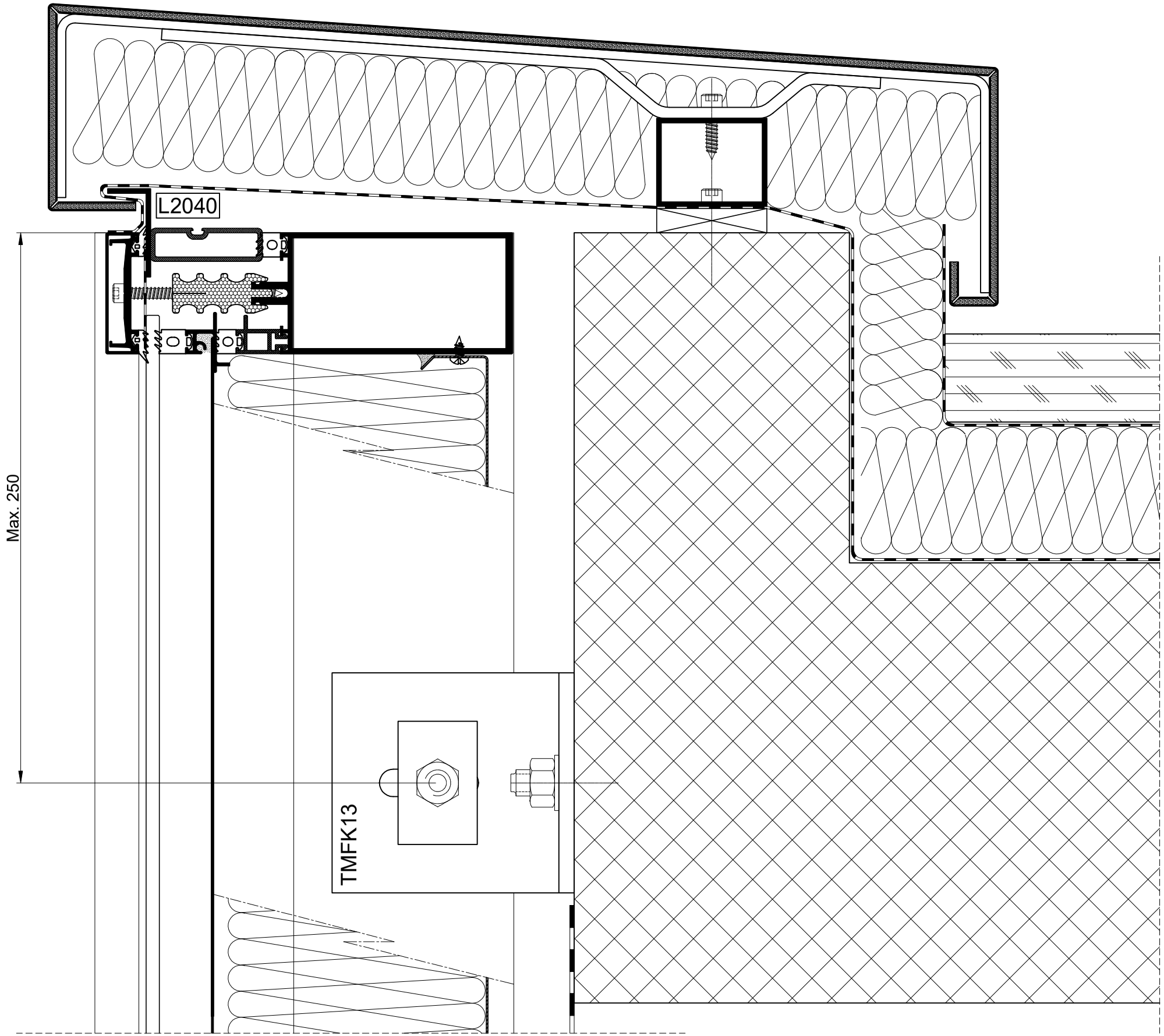
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Continual facade
Непрерывный фасад



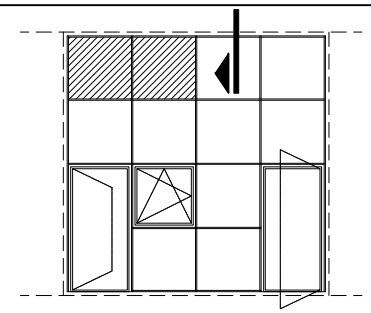


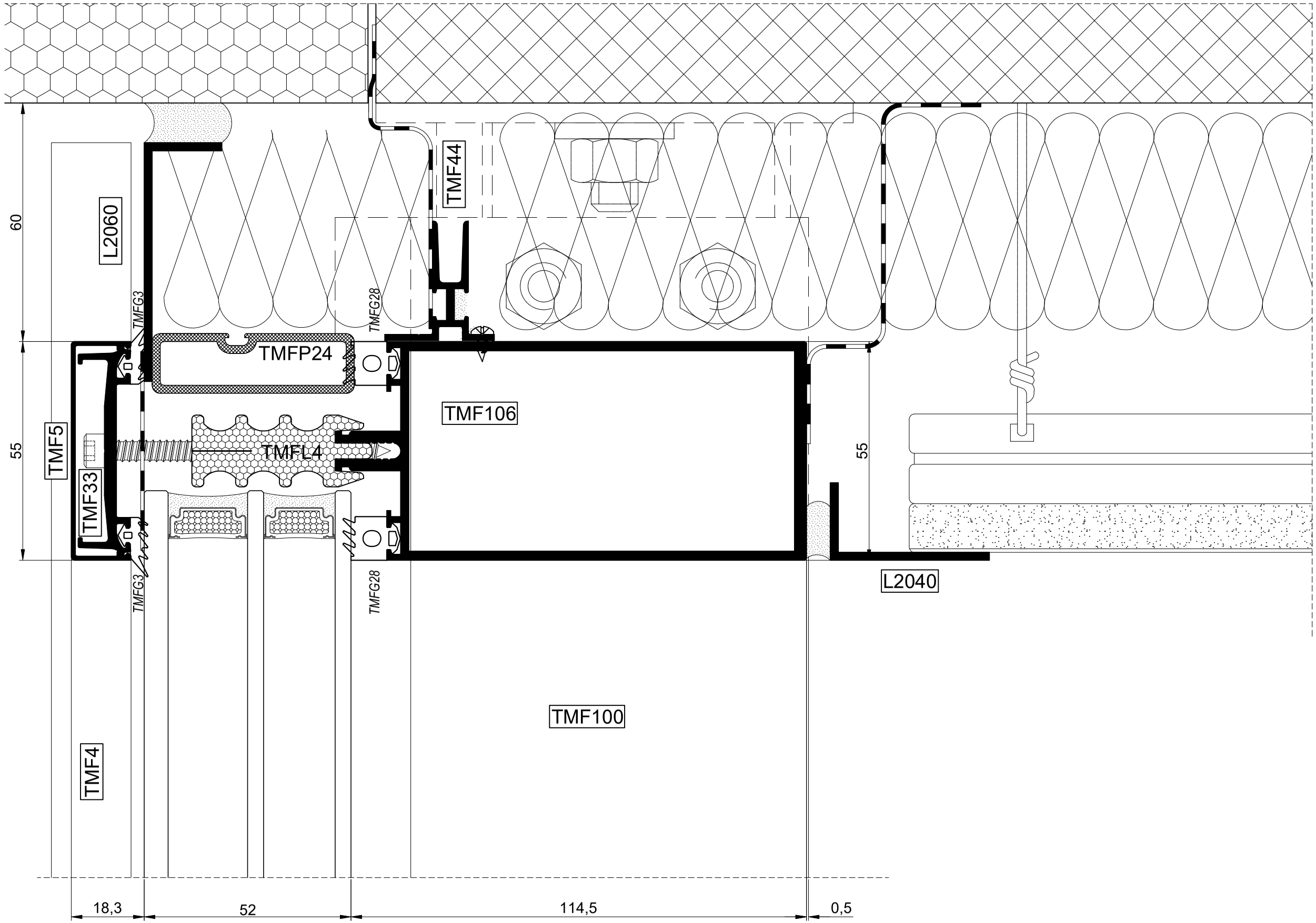
Kontinualana fasada
Continual facade
Непрерывный фасад

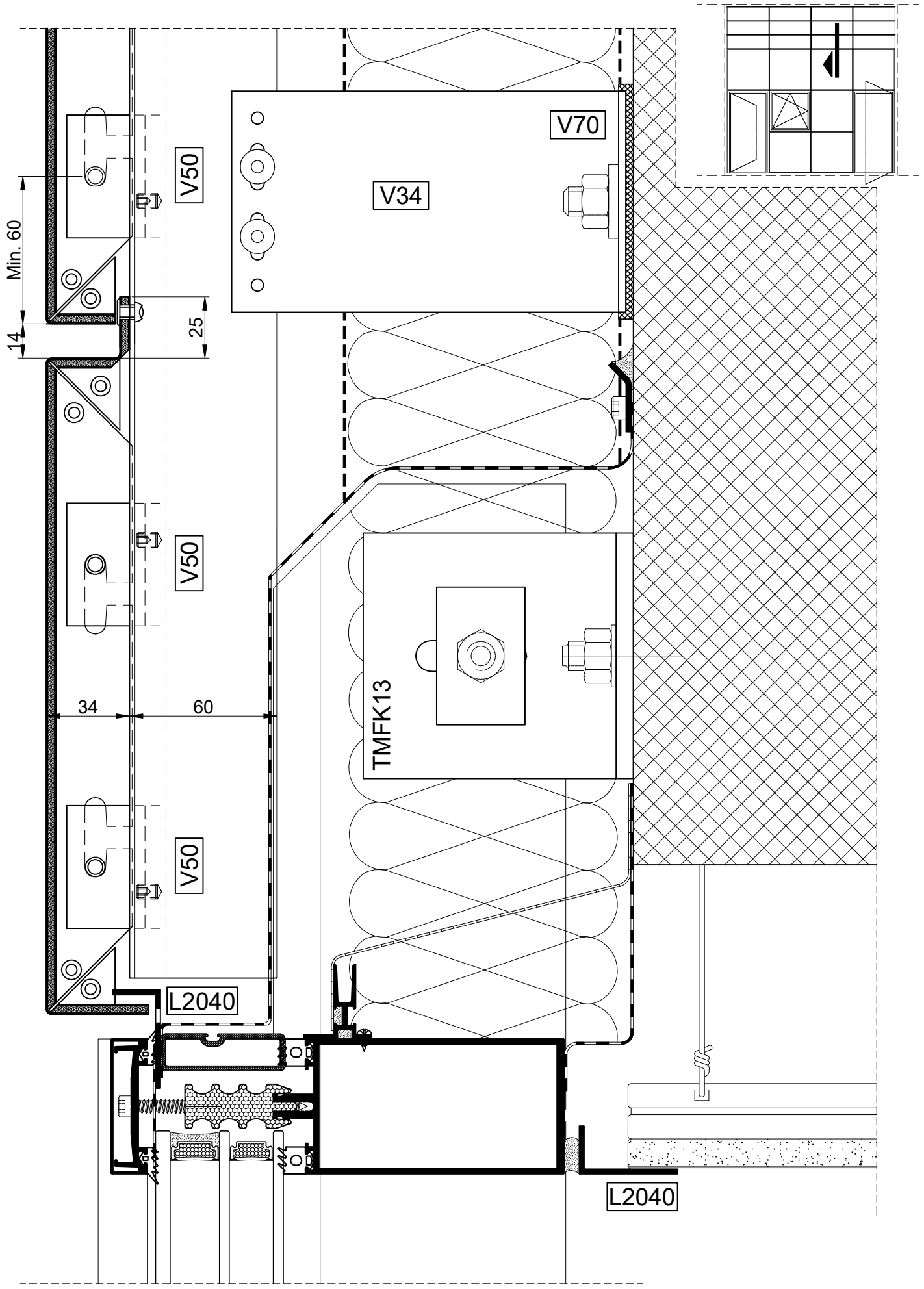




Kontinualana fasada
Continual facade
Непрерывный фасад






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V50
V50
V50
Min. 60
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L2040
L2040

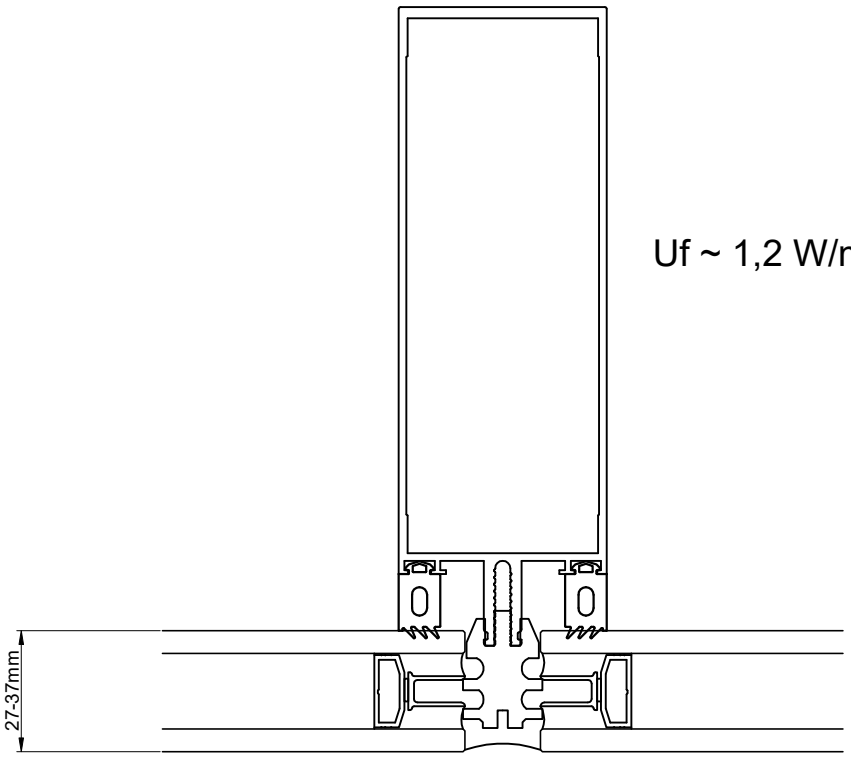
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System
Система

ALUMINIK CS55

Strukturalna fasada
Structural facade
Структурная фасад

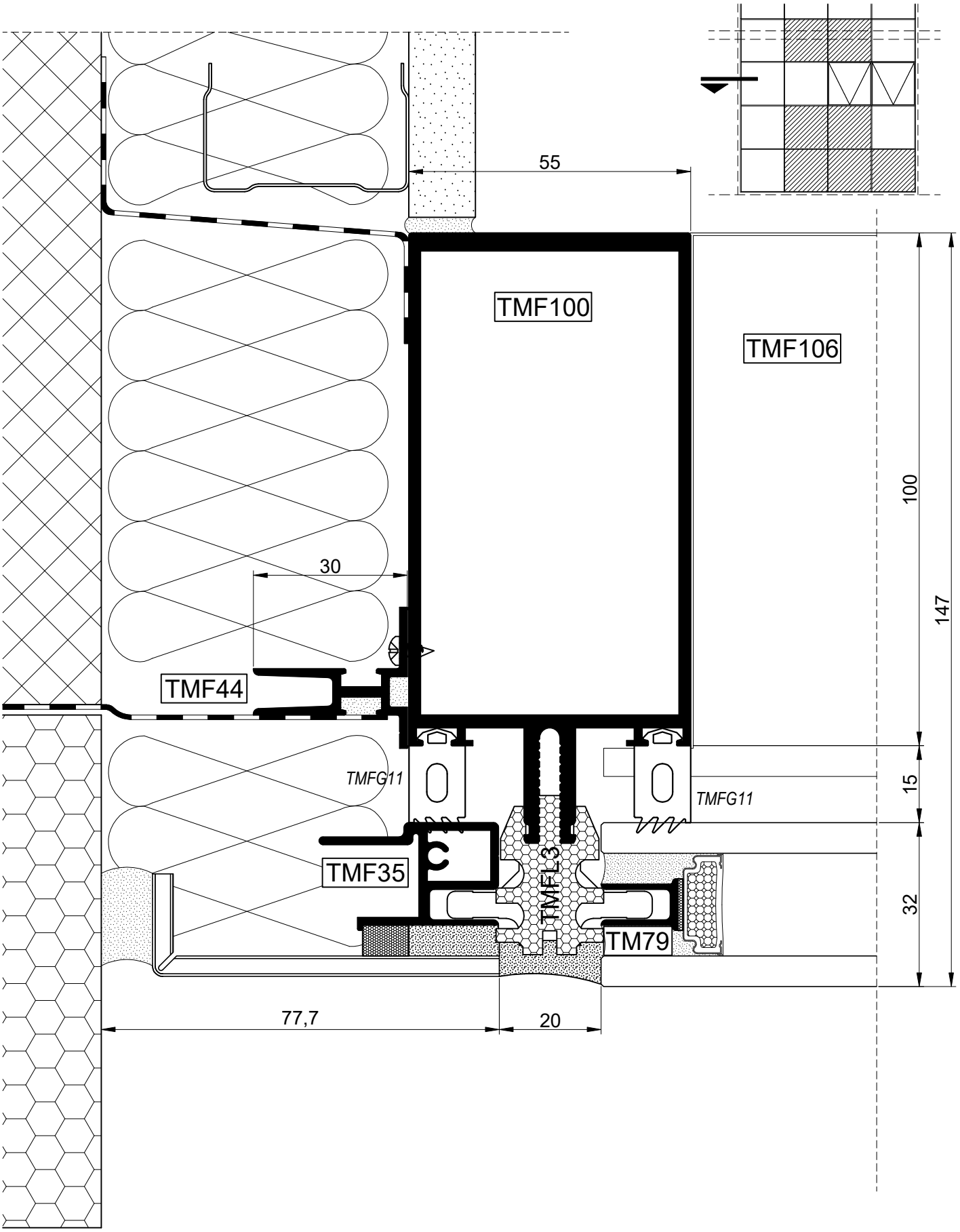
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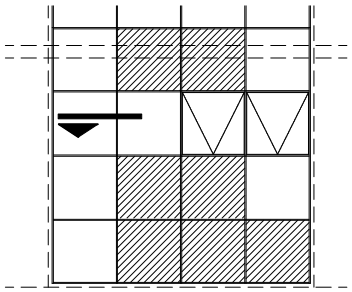
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Double glazing
Двухкамерный стеклопакет

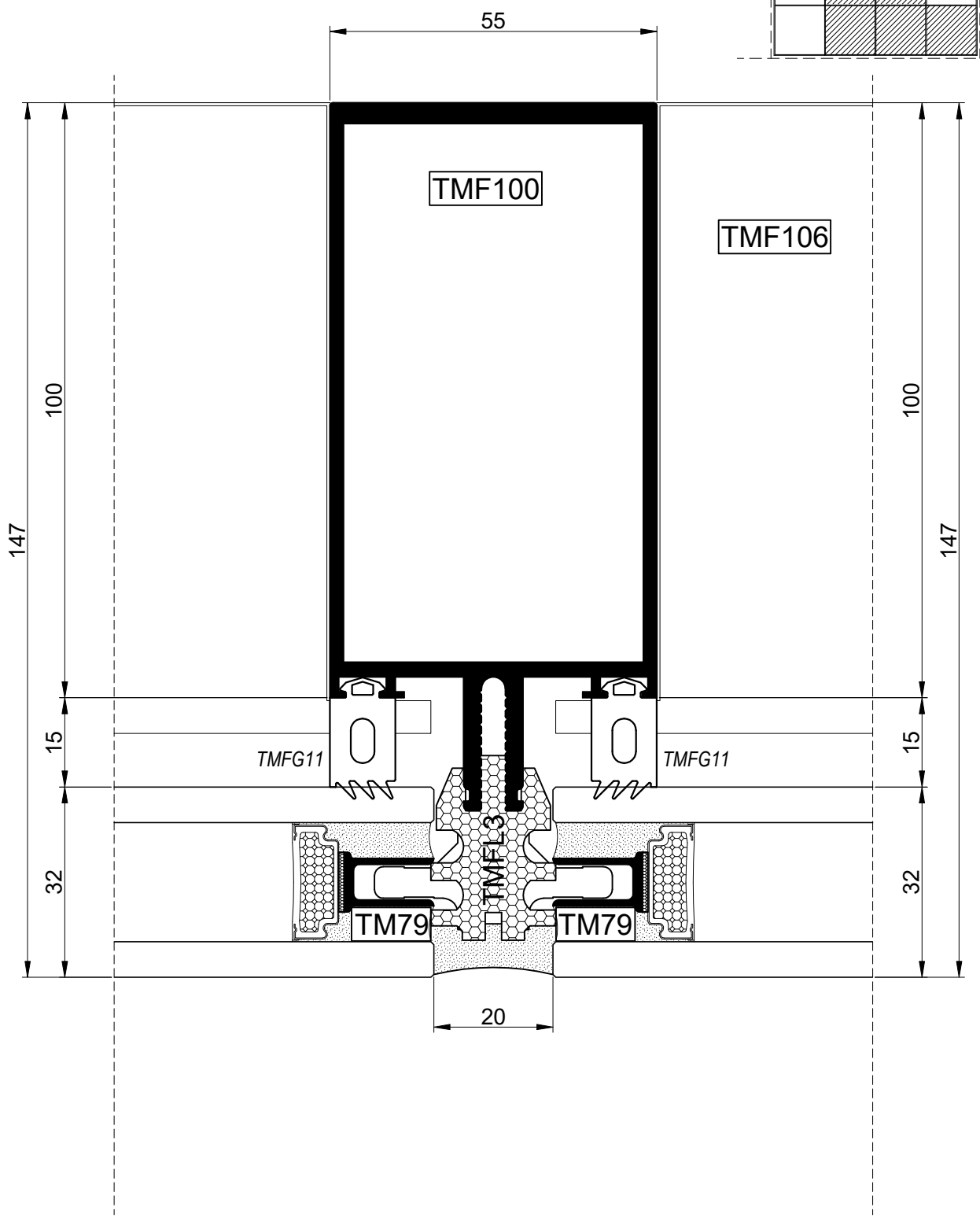


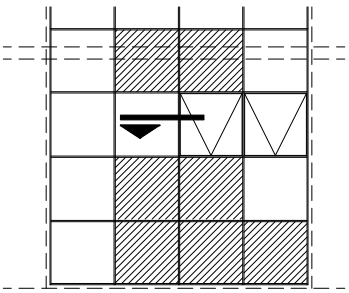
Uf ~ 1,2 W/m K

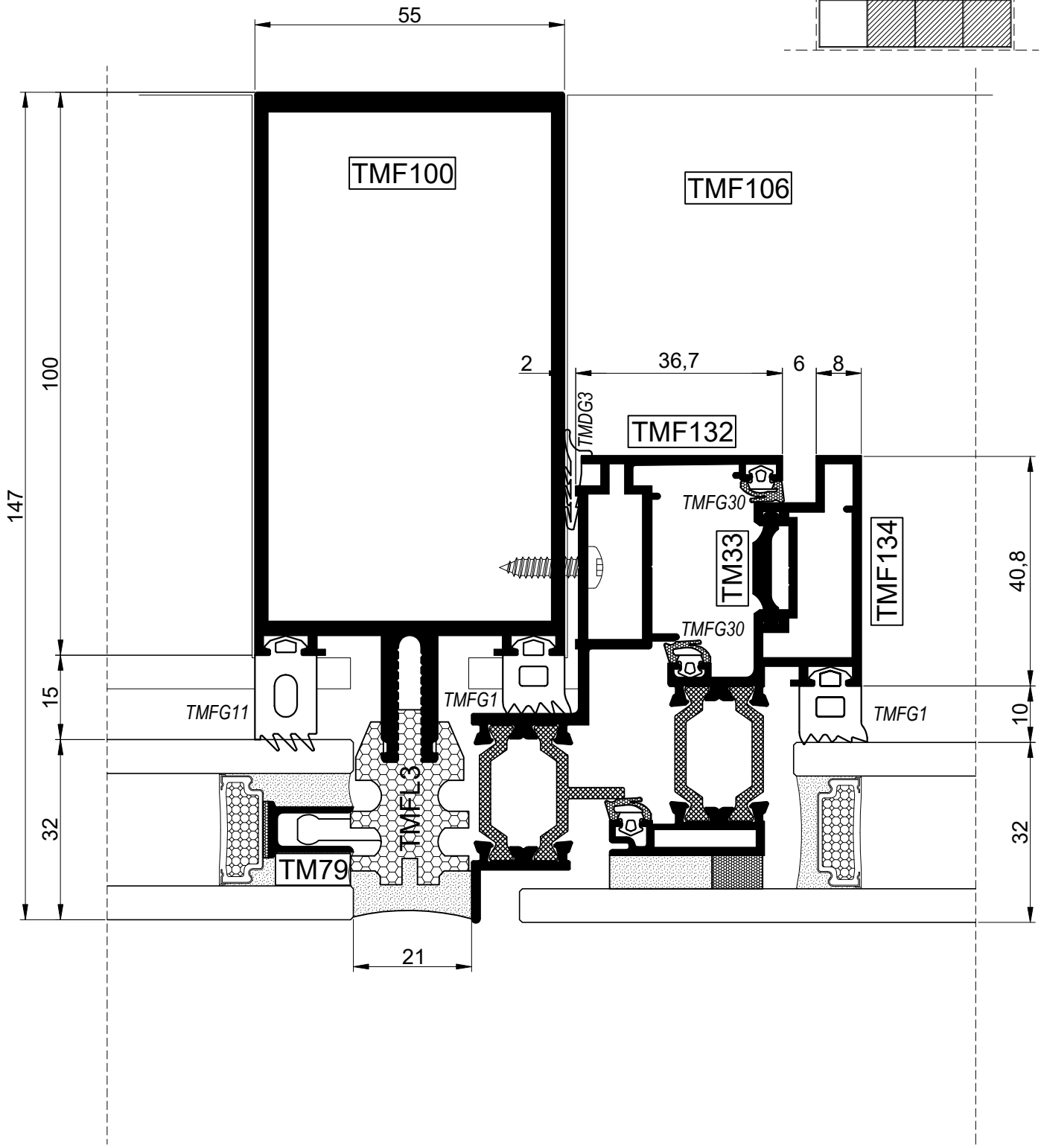
Strukturalni silikon
Structural silicone
Структурная силиконовая

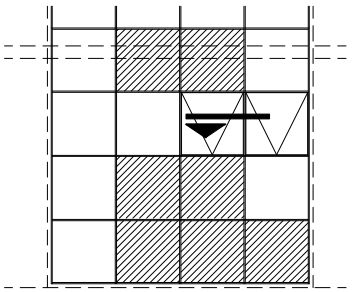

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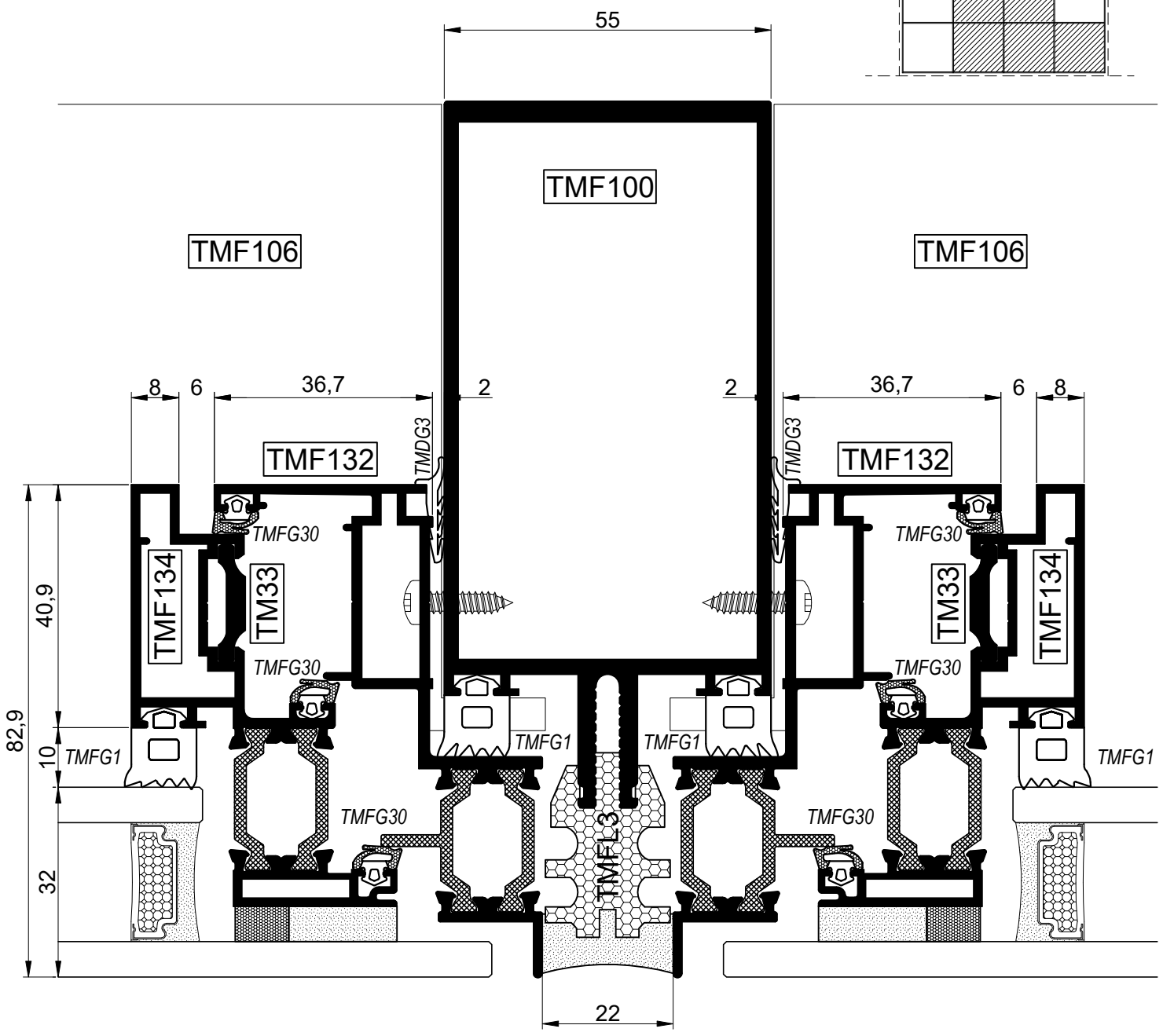


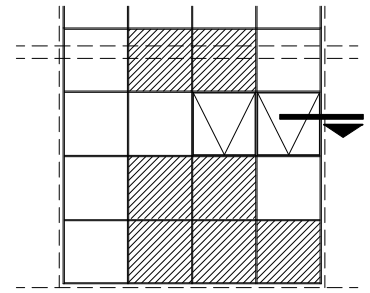

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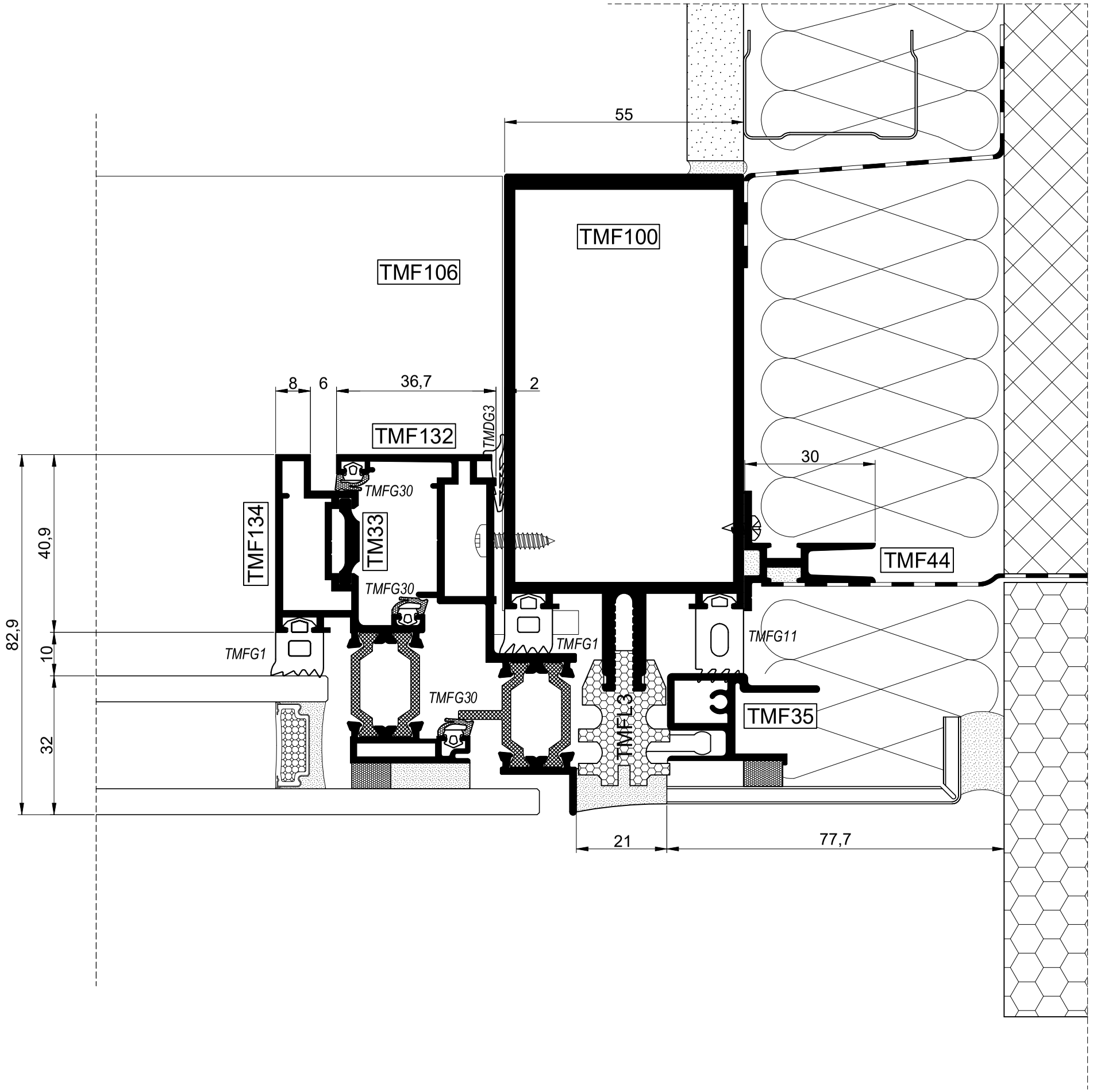


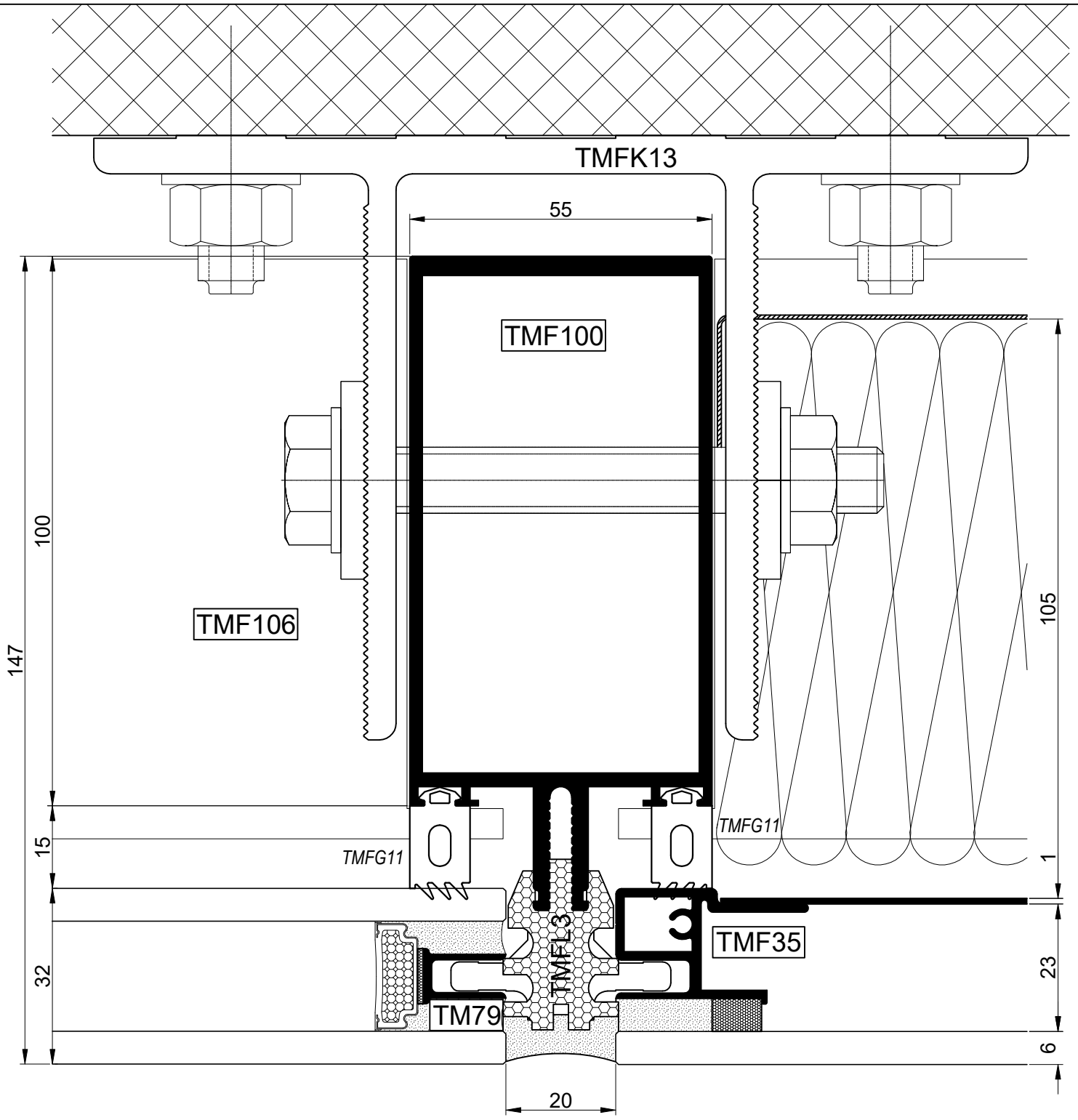

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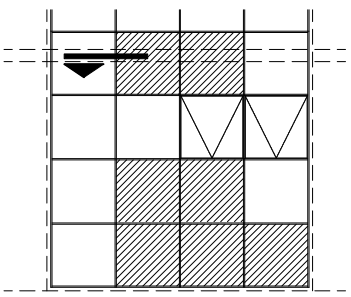


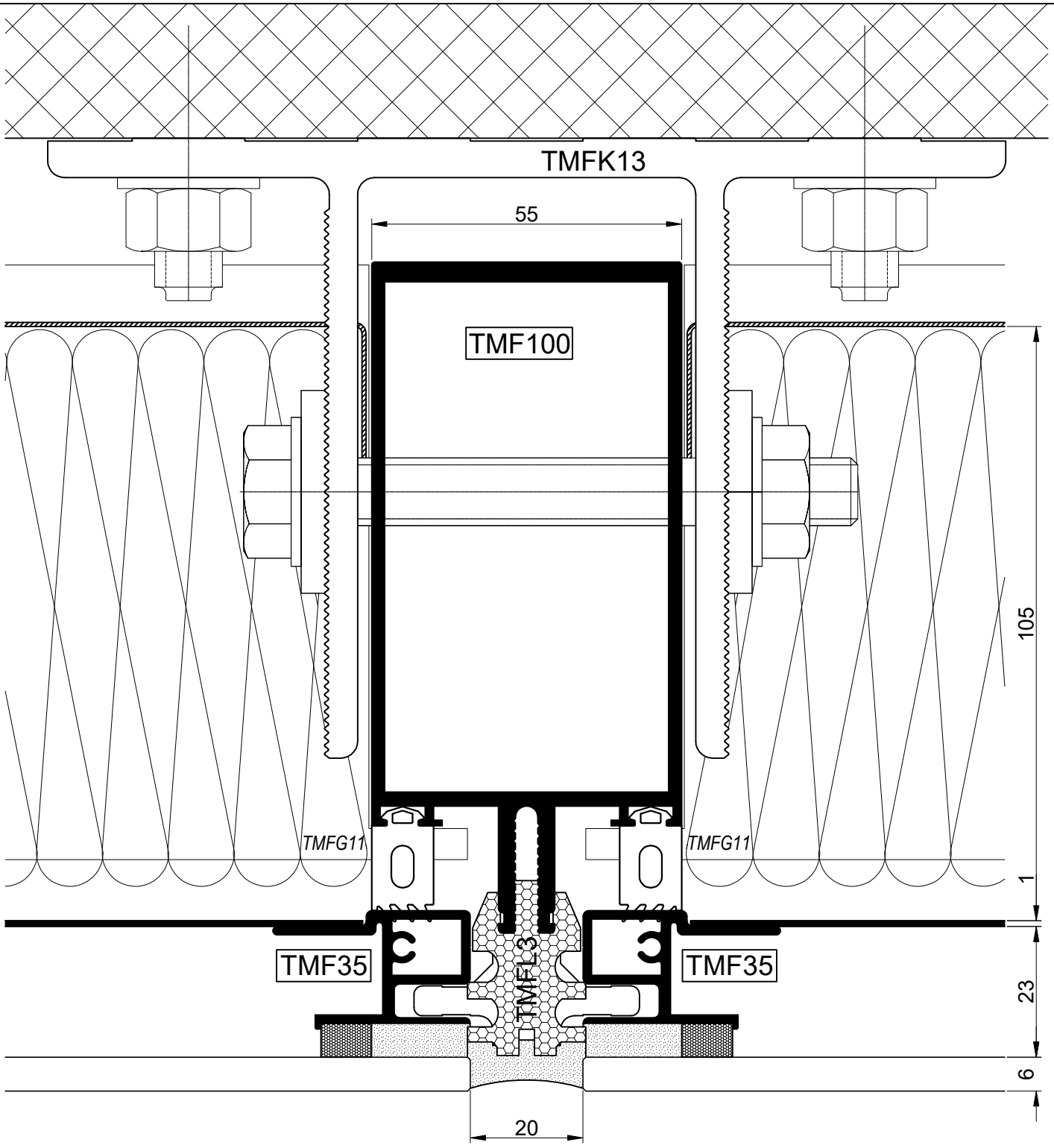

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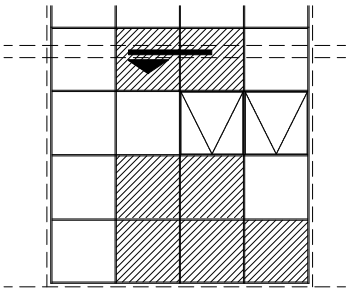


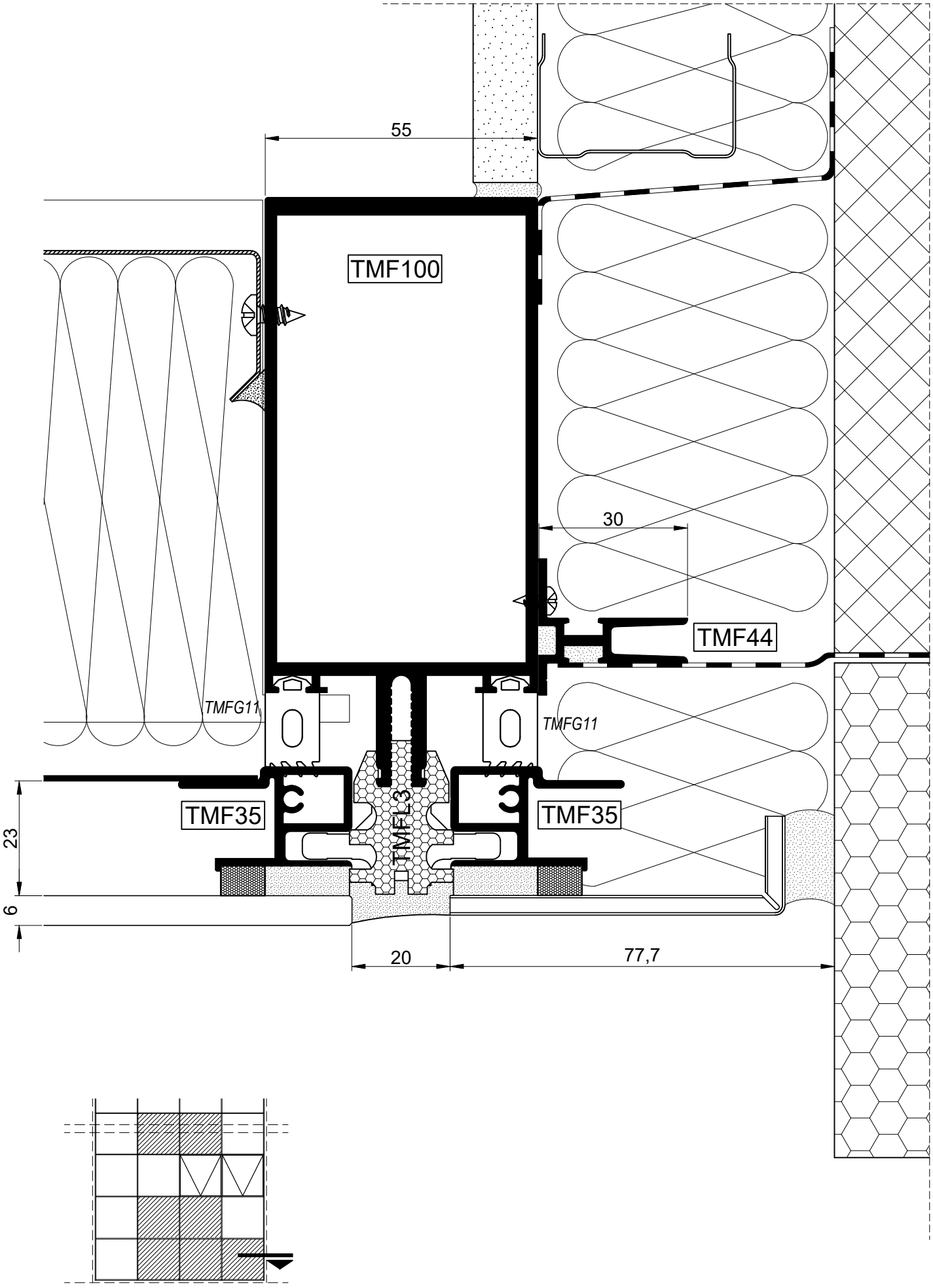

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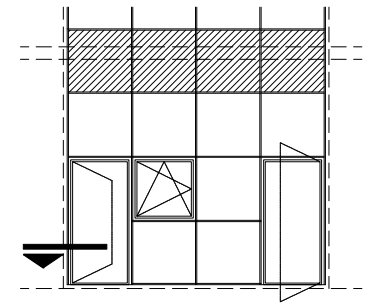

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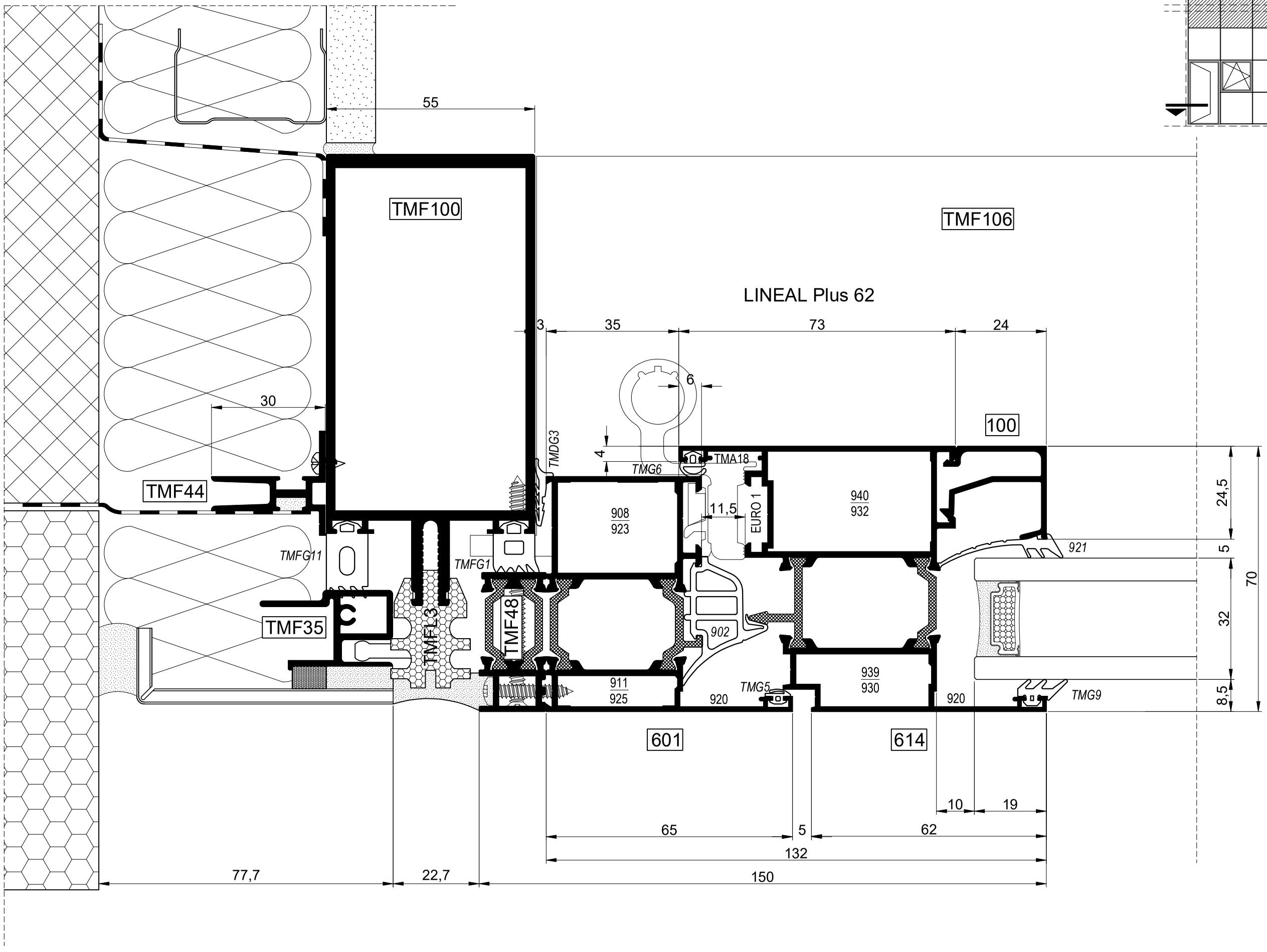


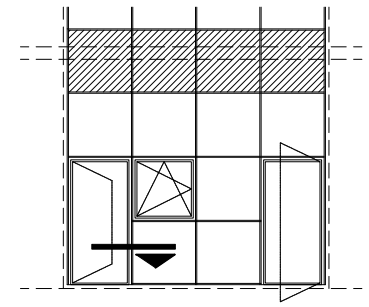

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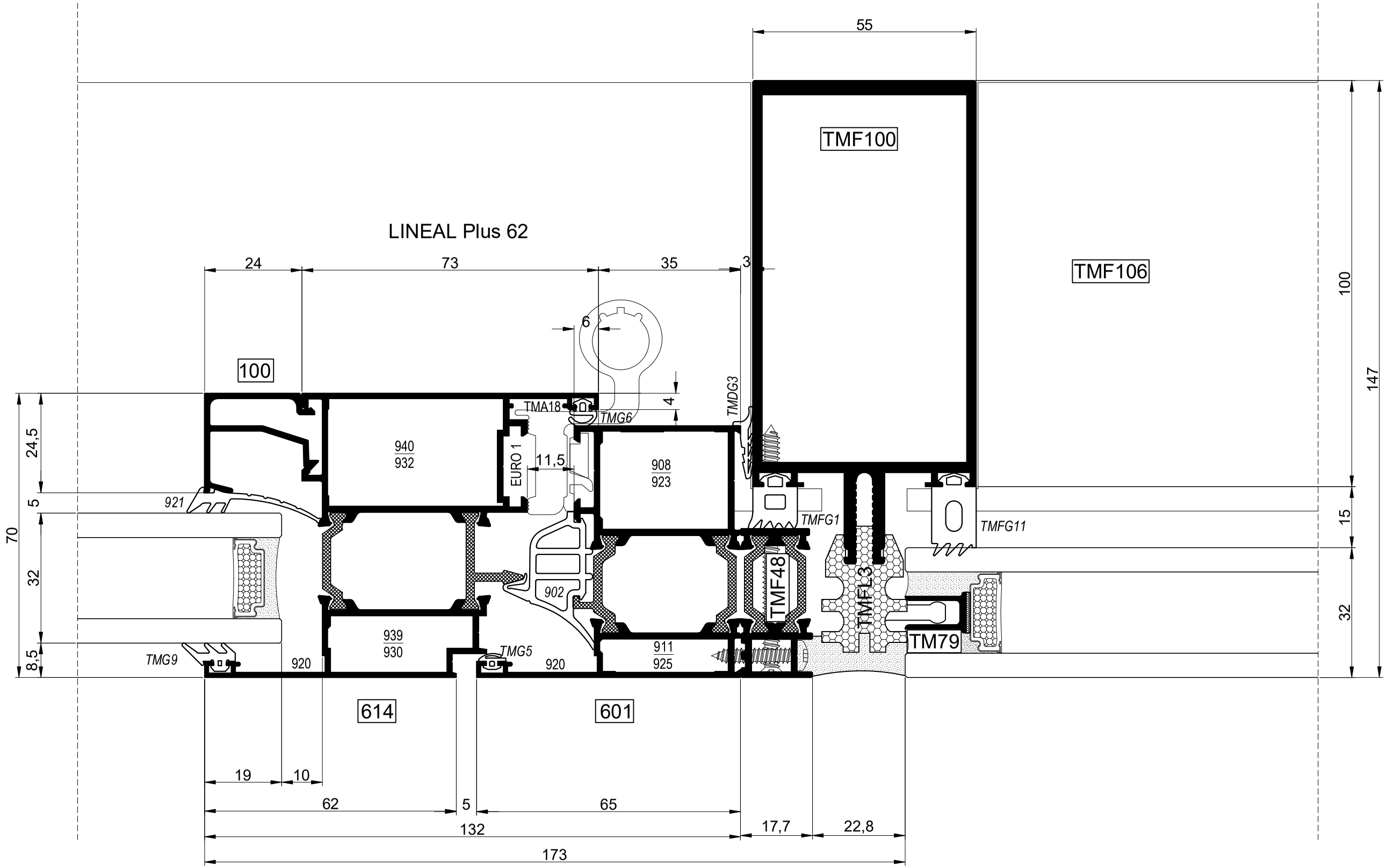


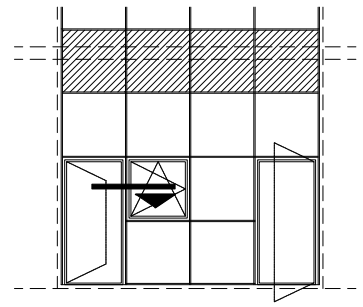

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TMF100

LINEAL Plus 62

LINEAL Plus 62

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TMG6

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TMDG3

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TMFG1

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TMFL3

TMF48

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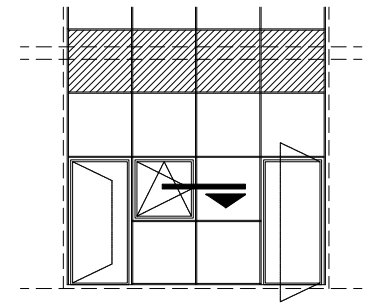
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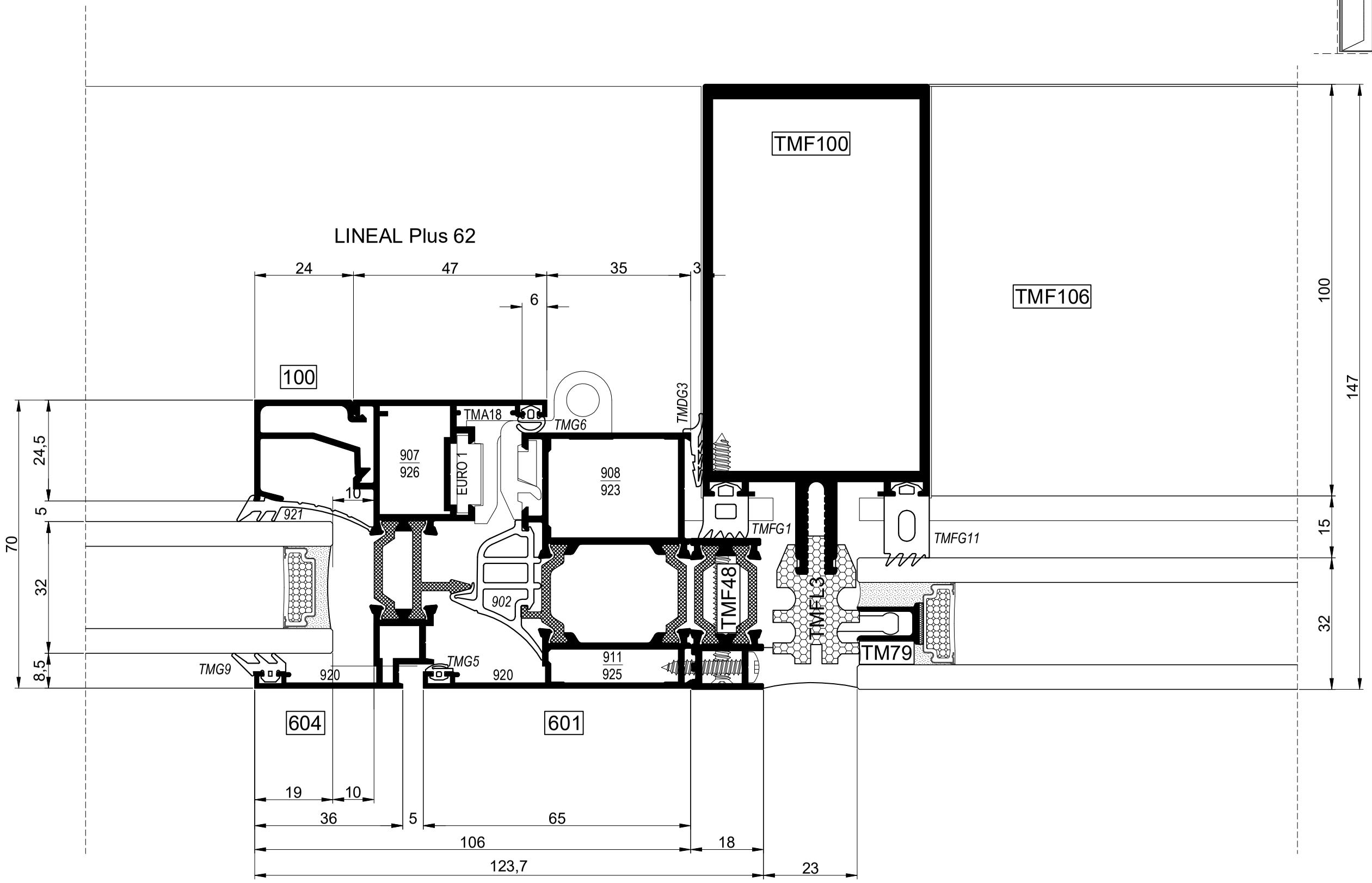
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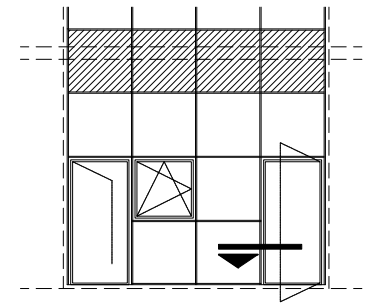
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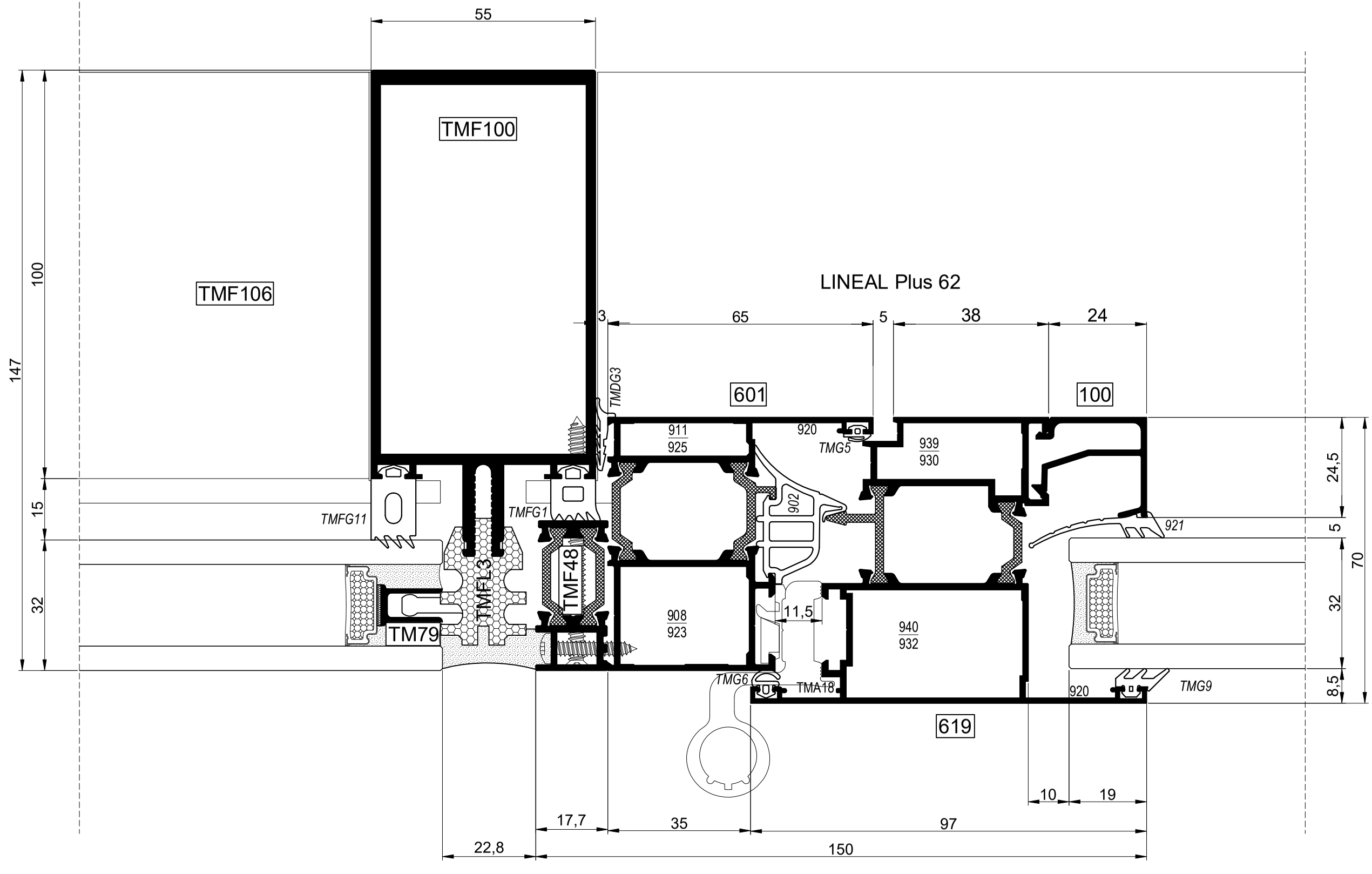
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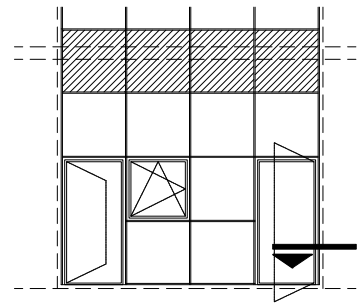
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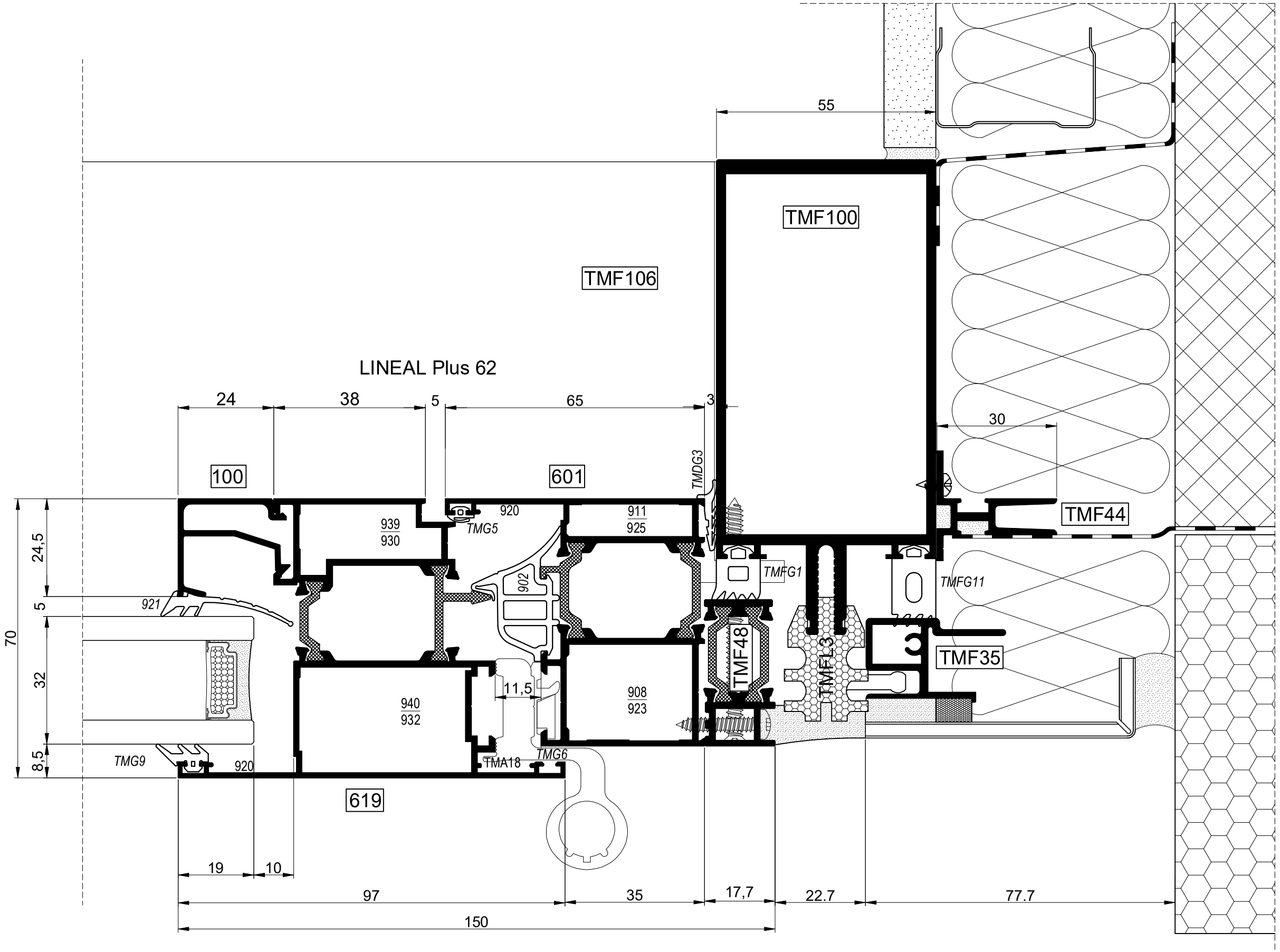


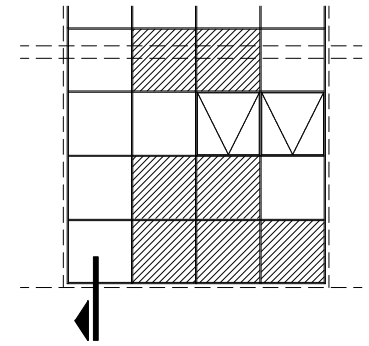

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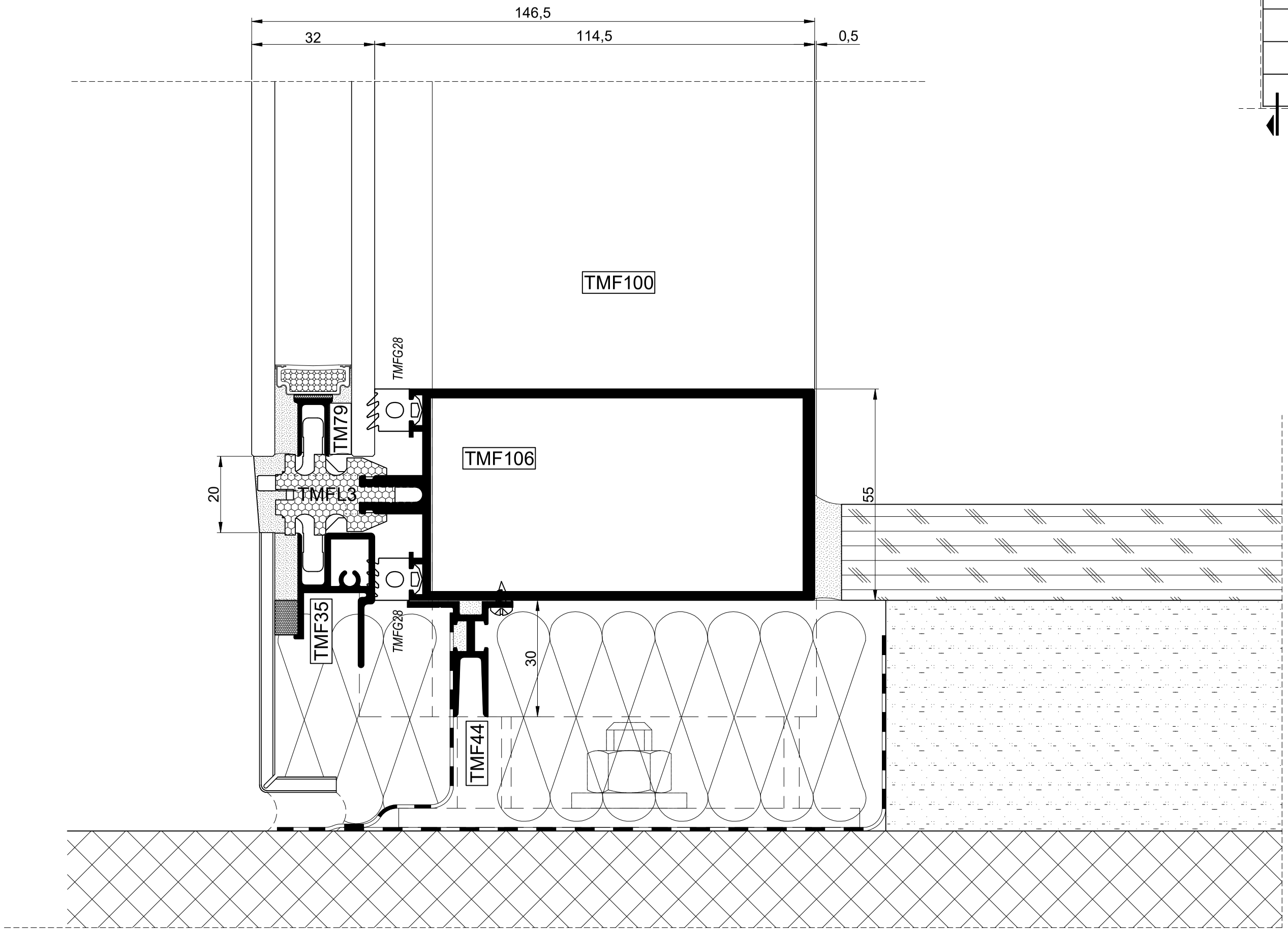


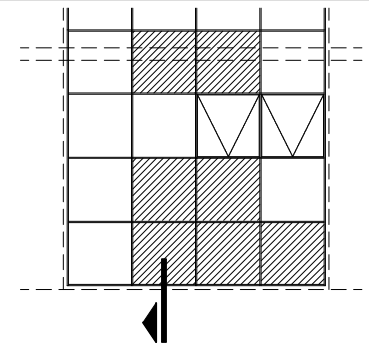

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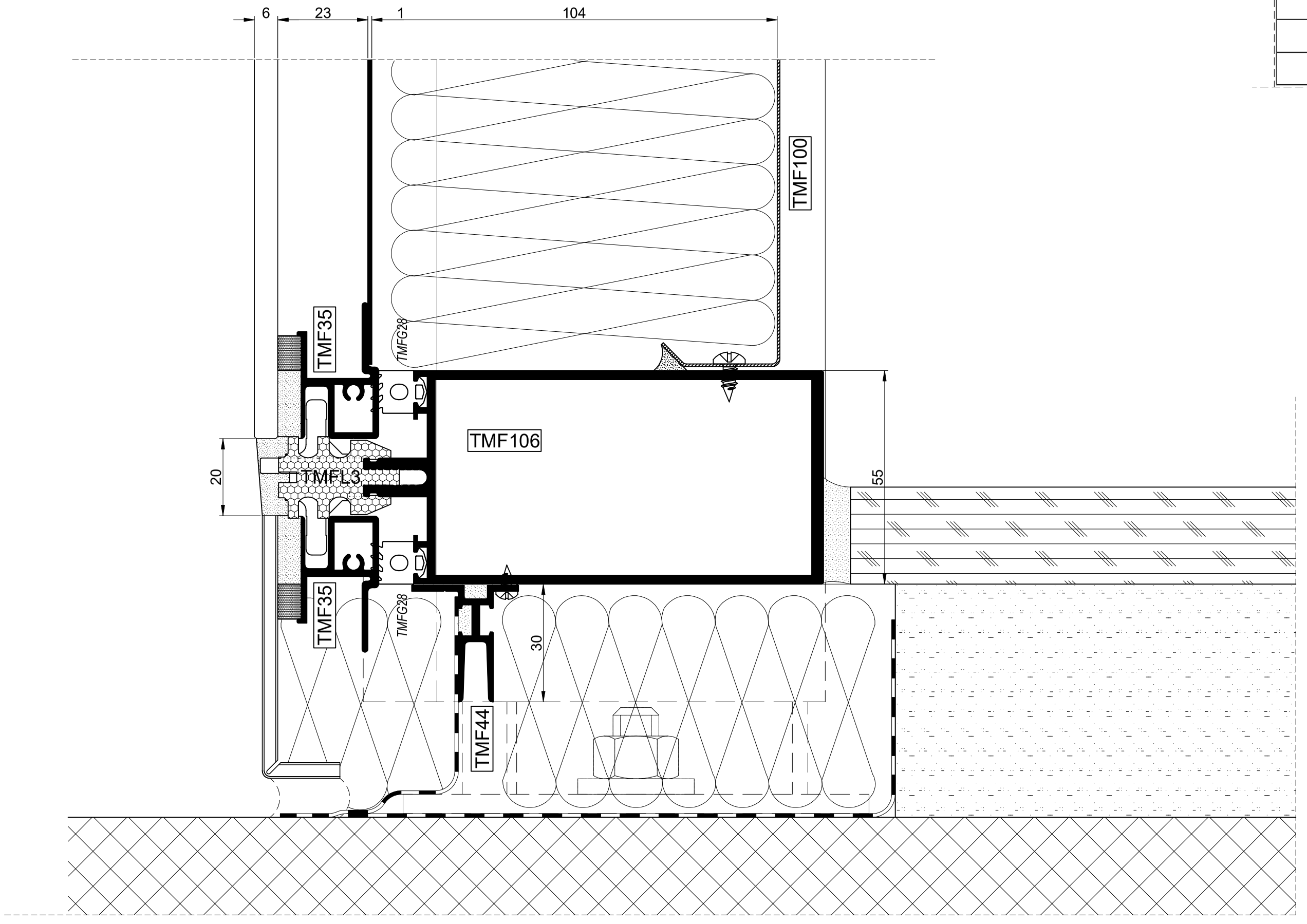


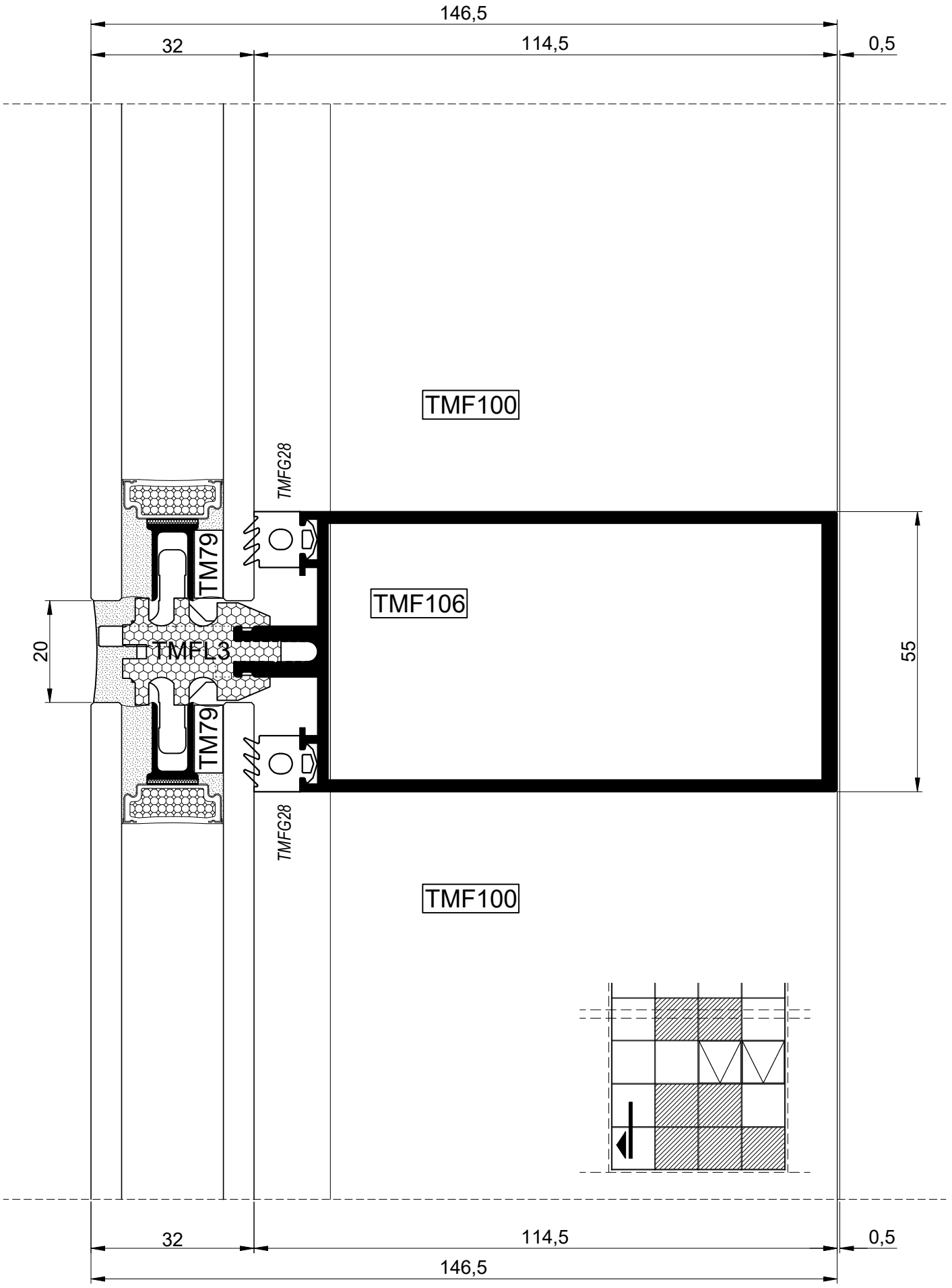

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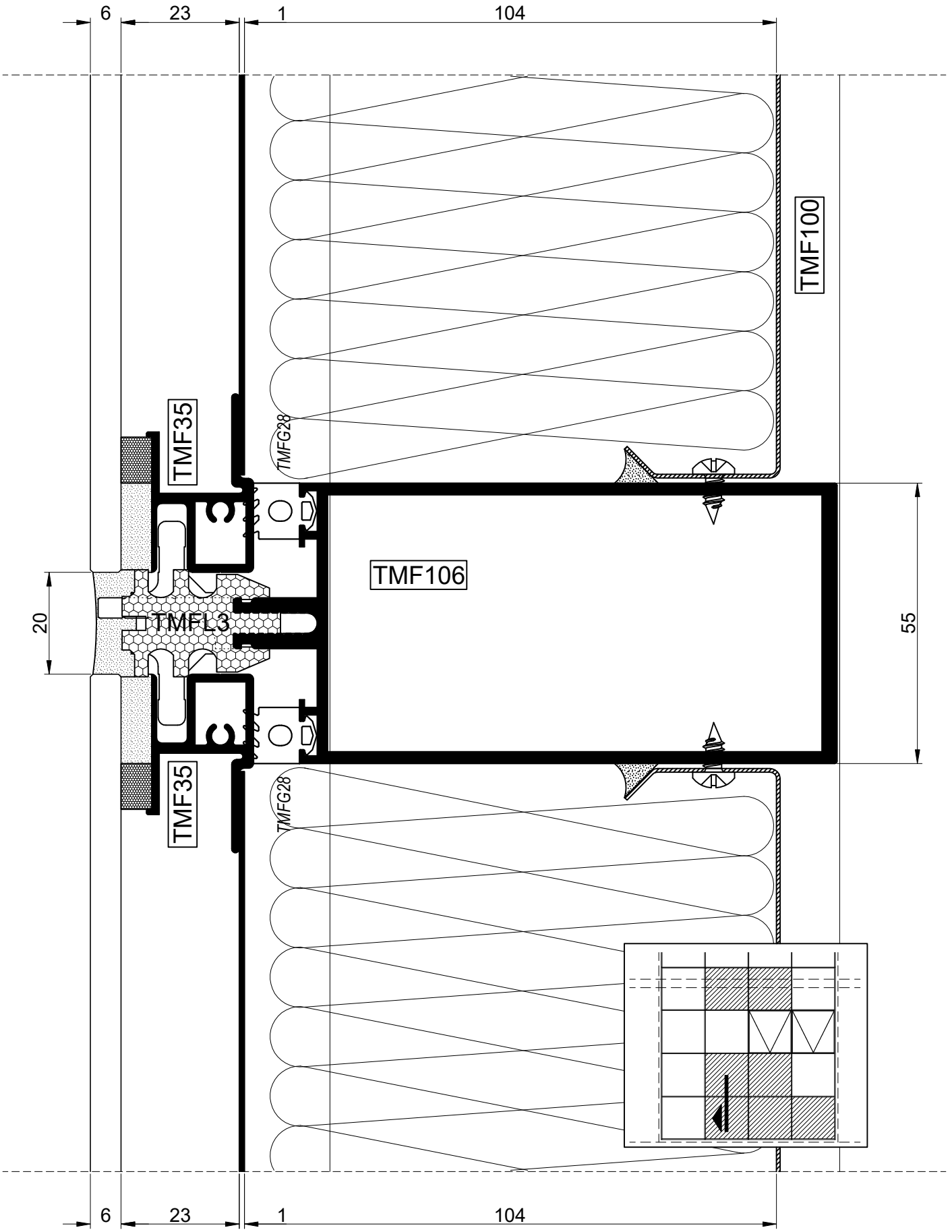


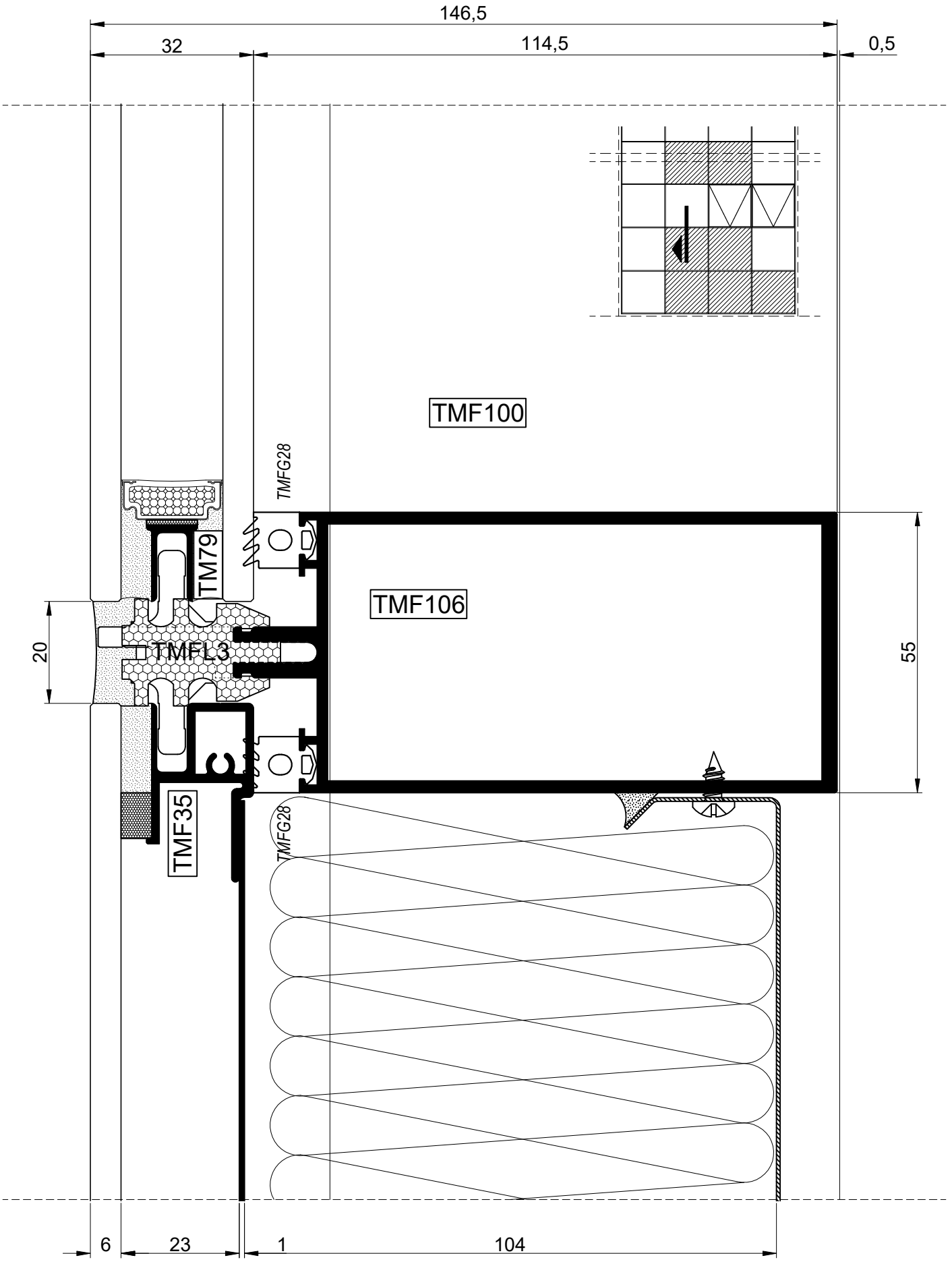

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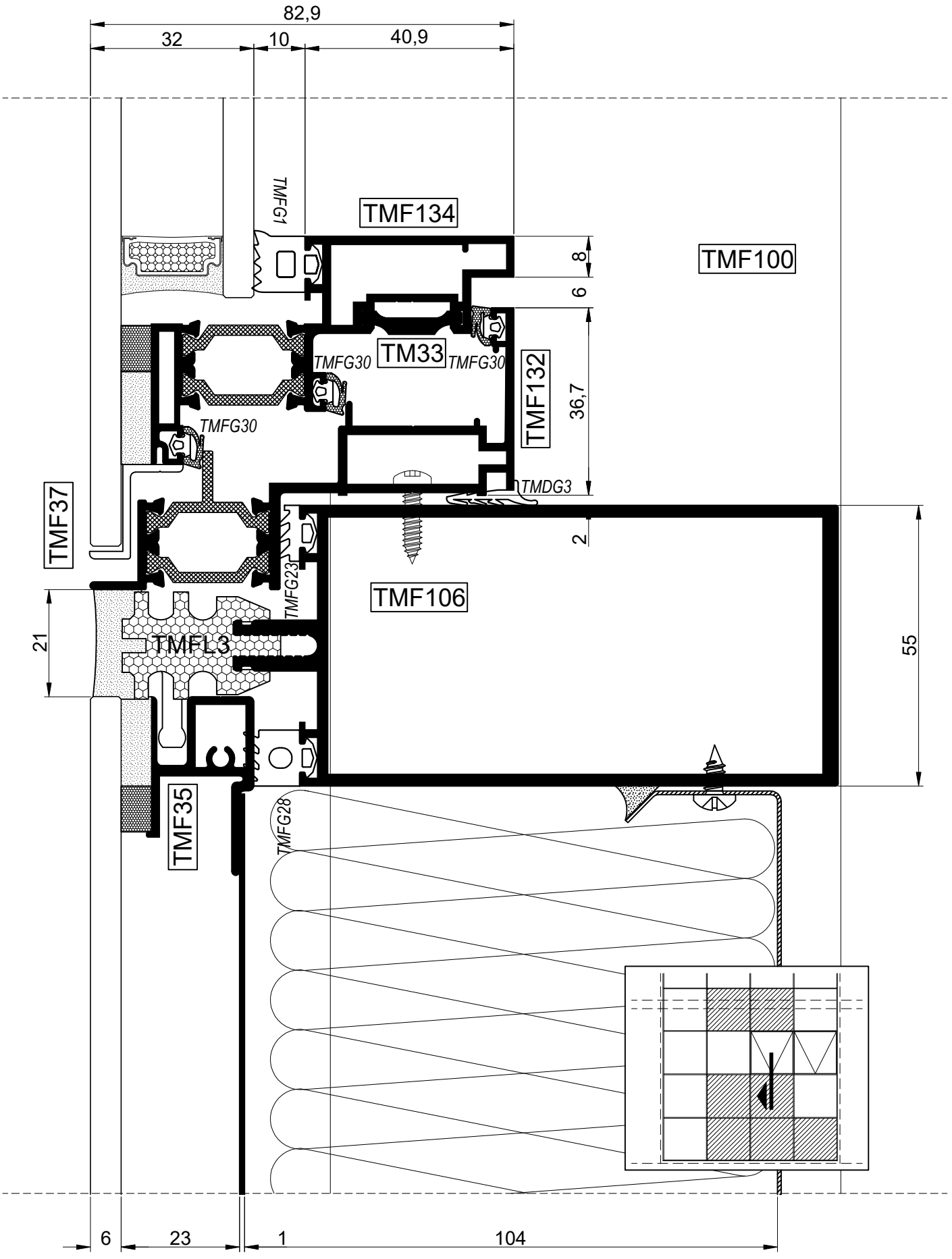


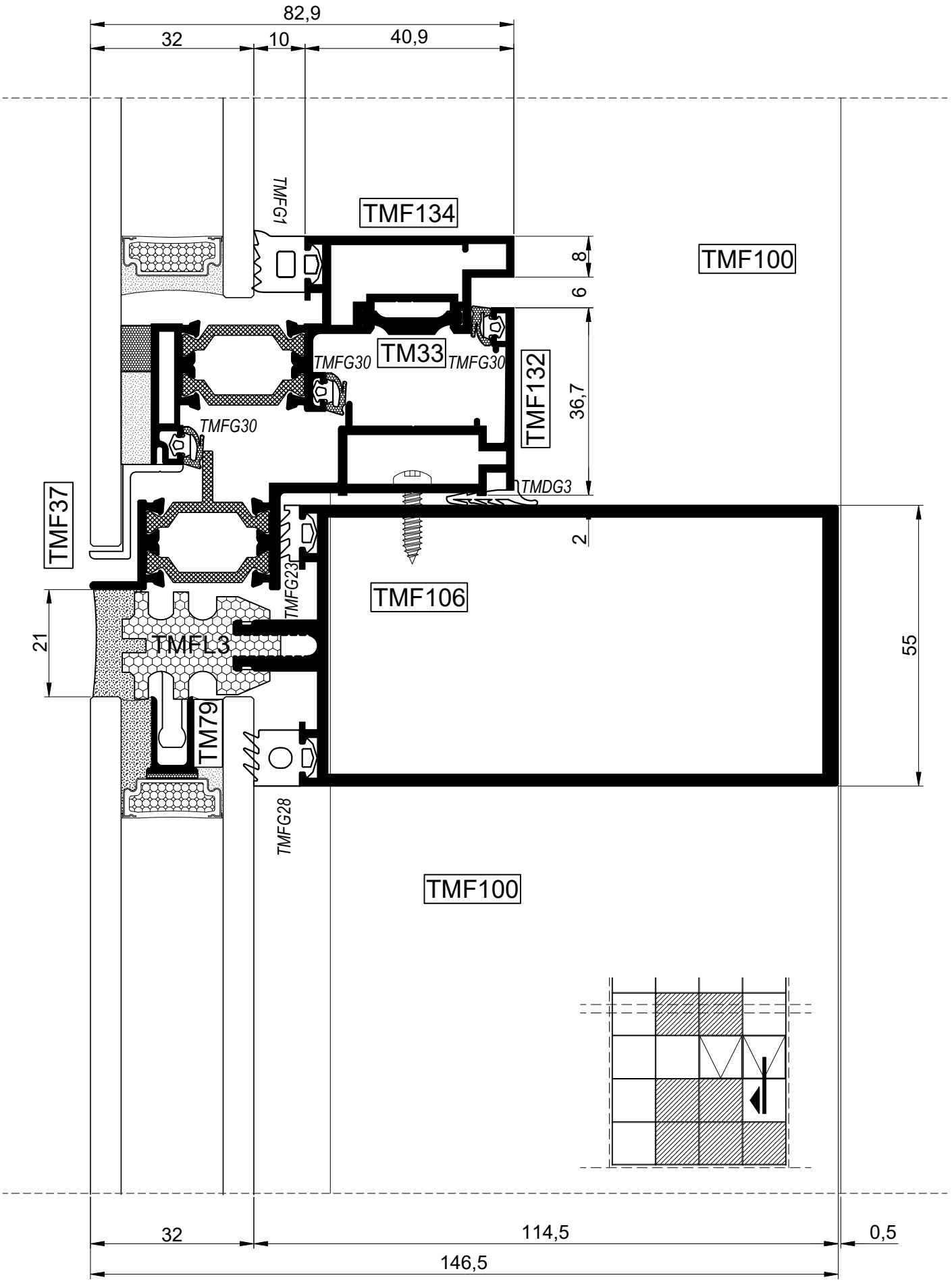

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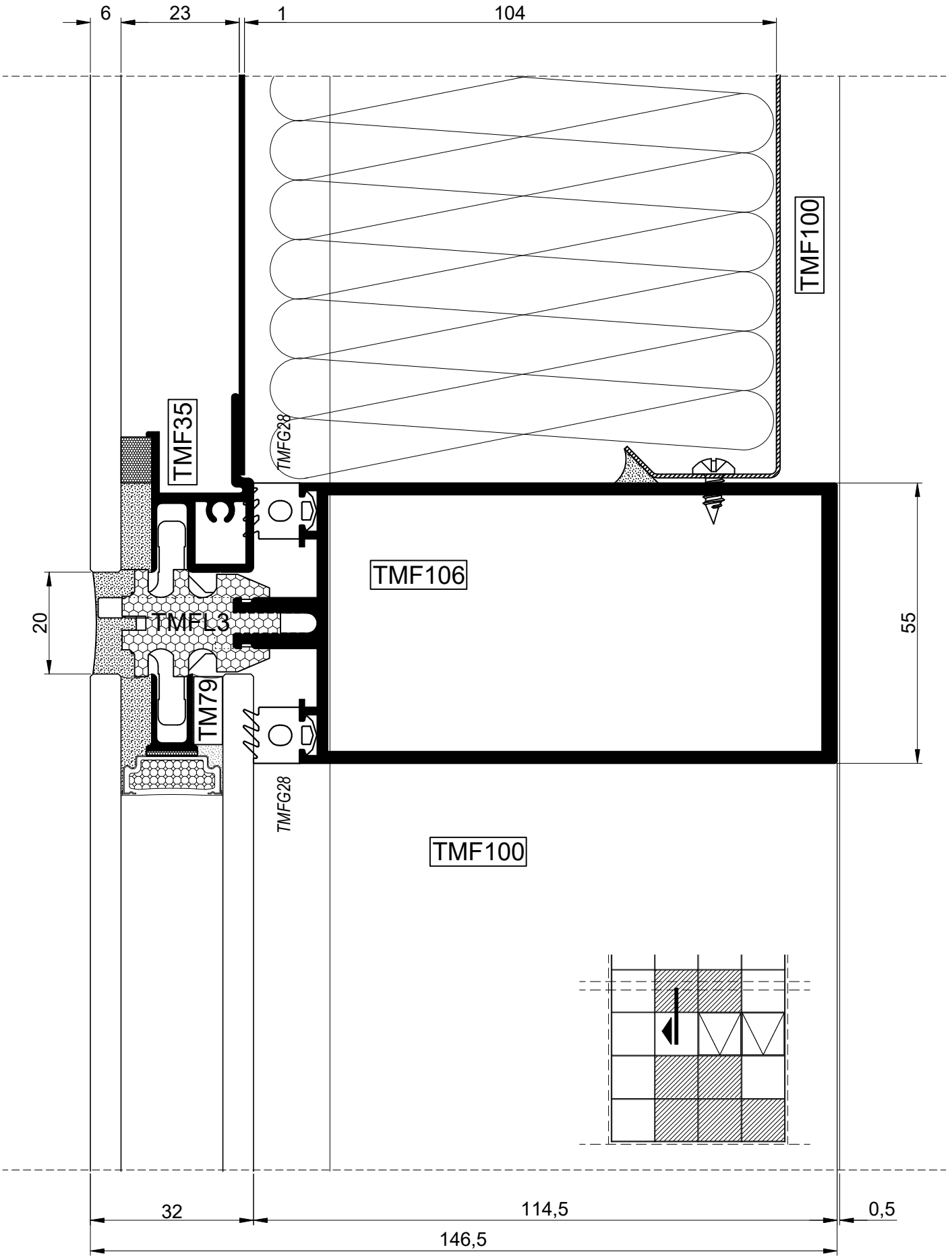

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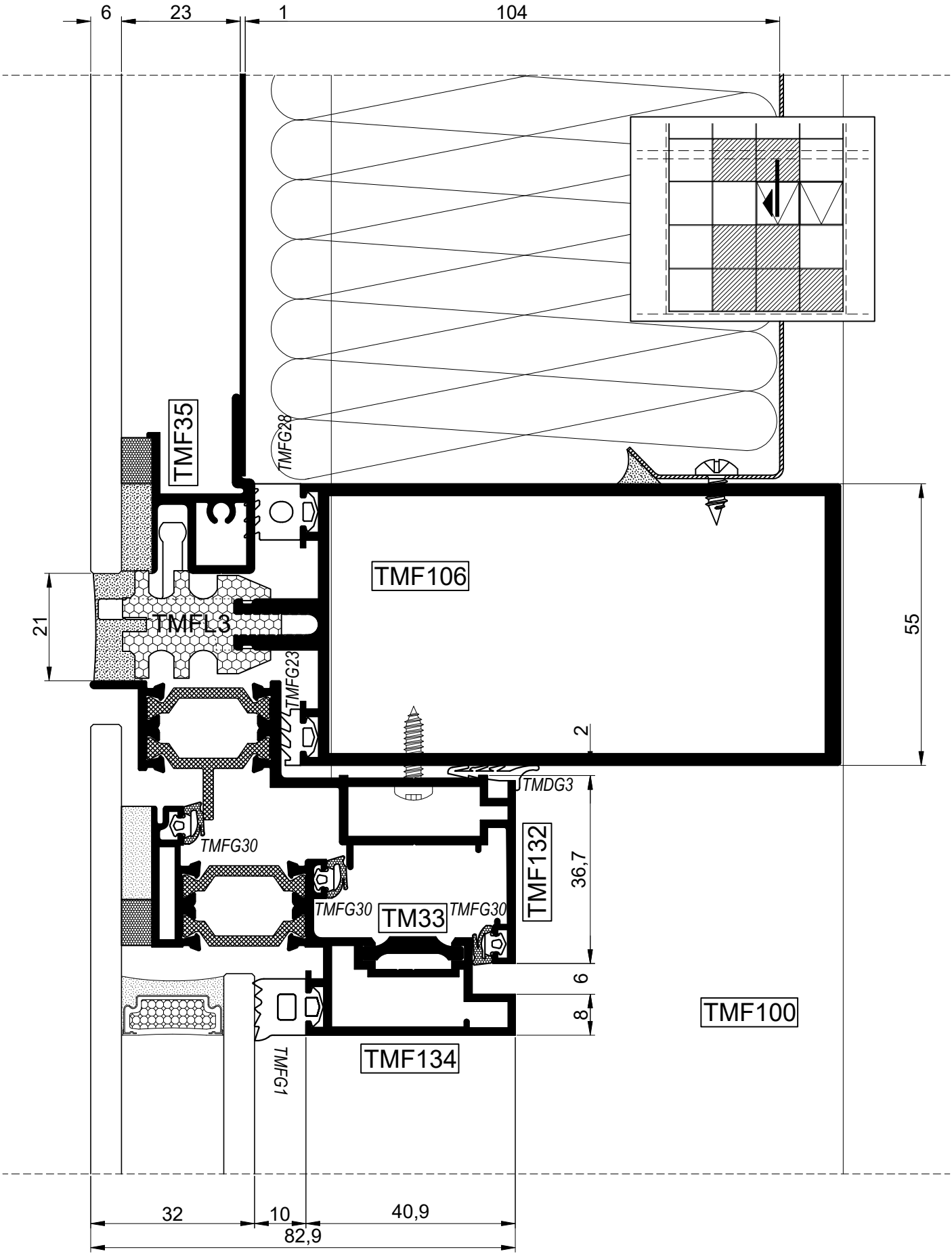

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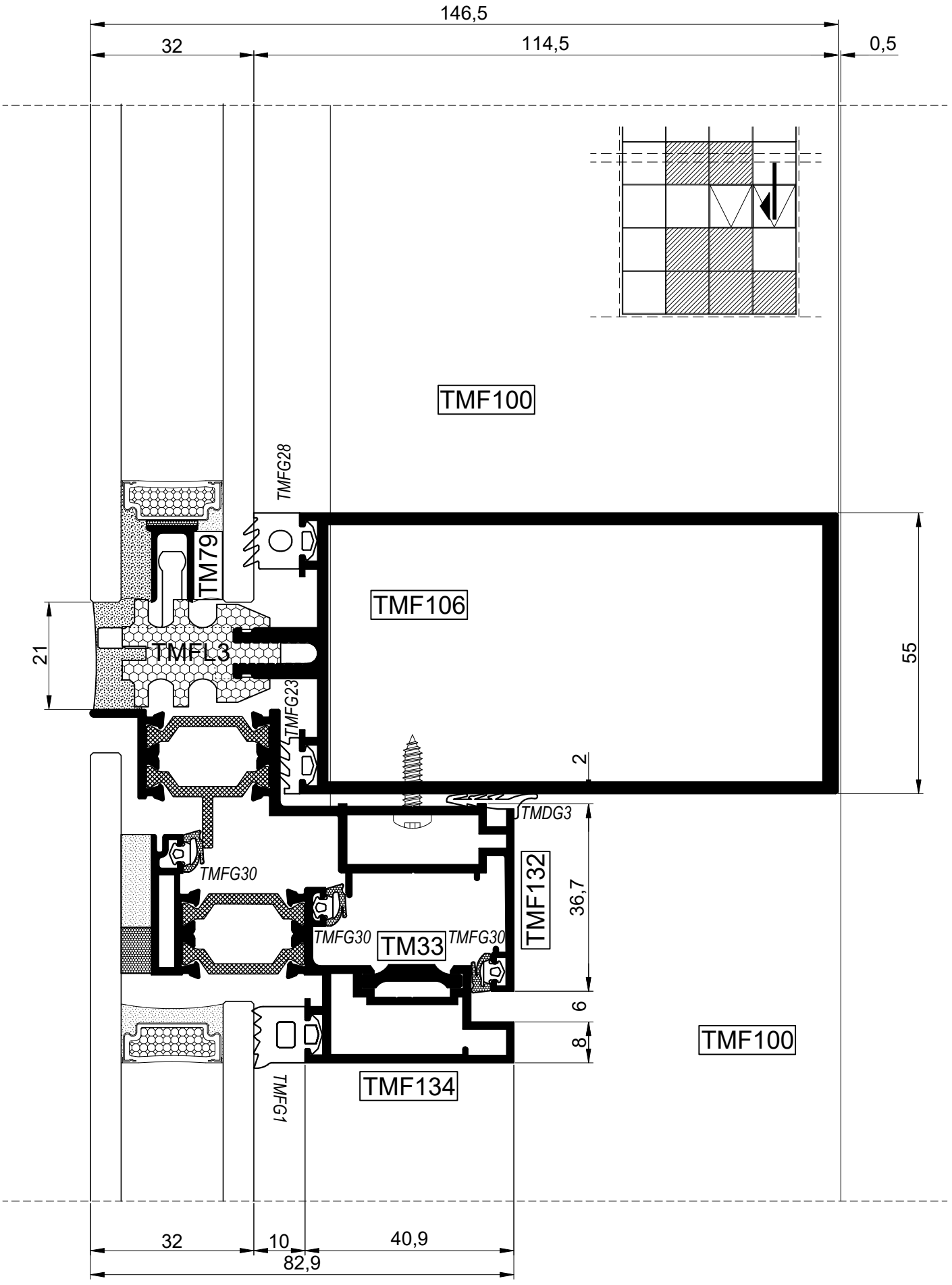

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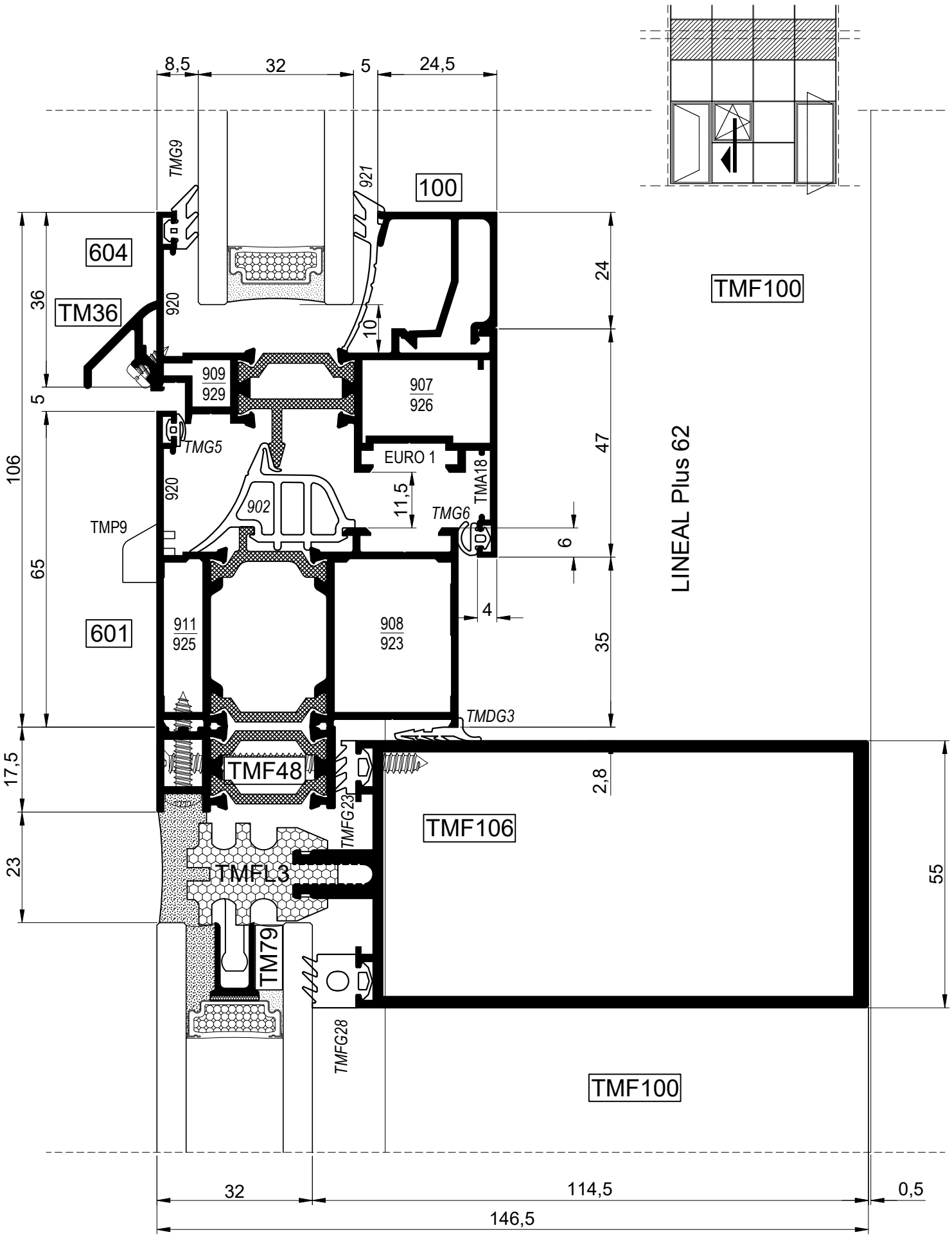

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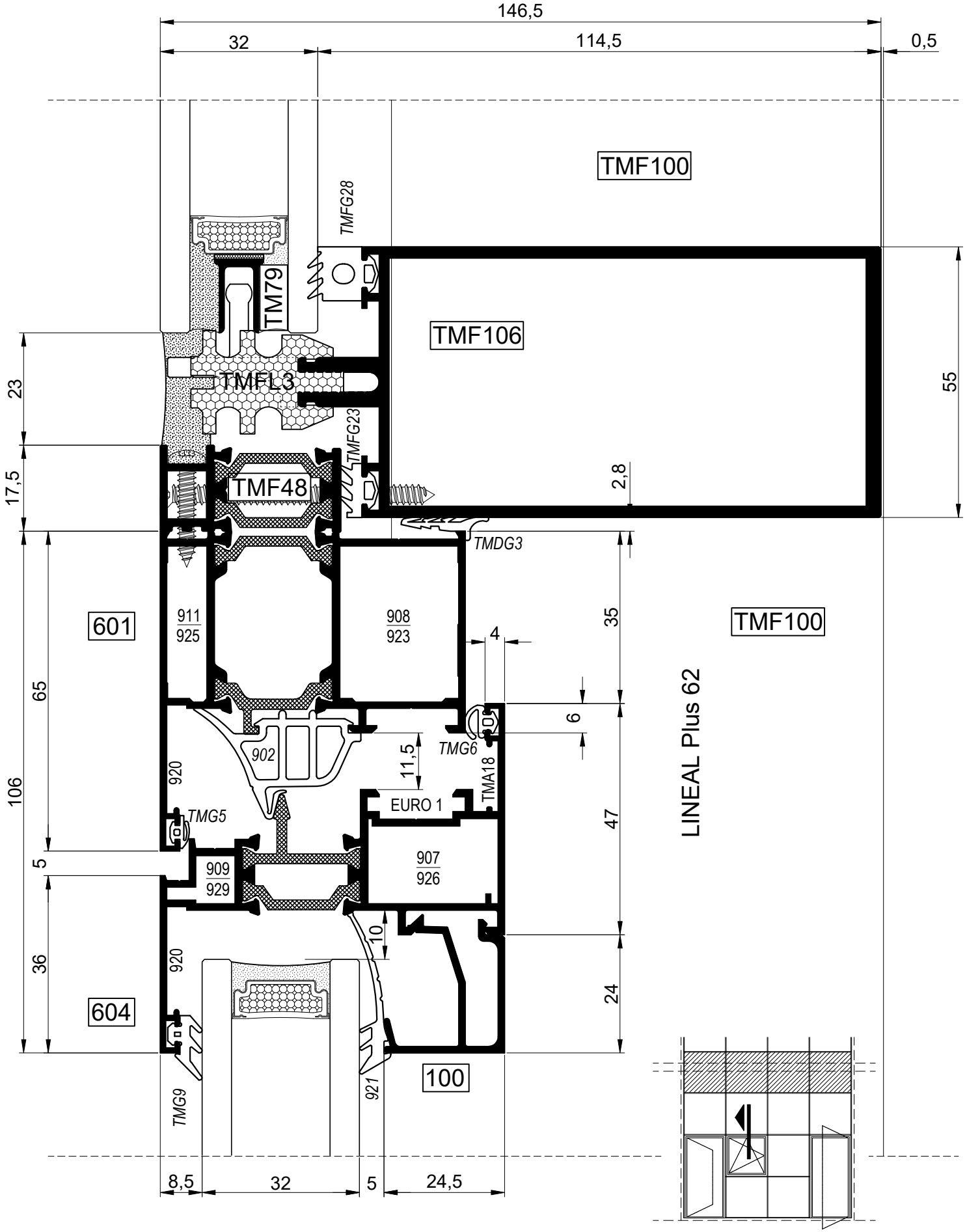

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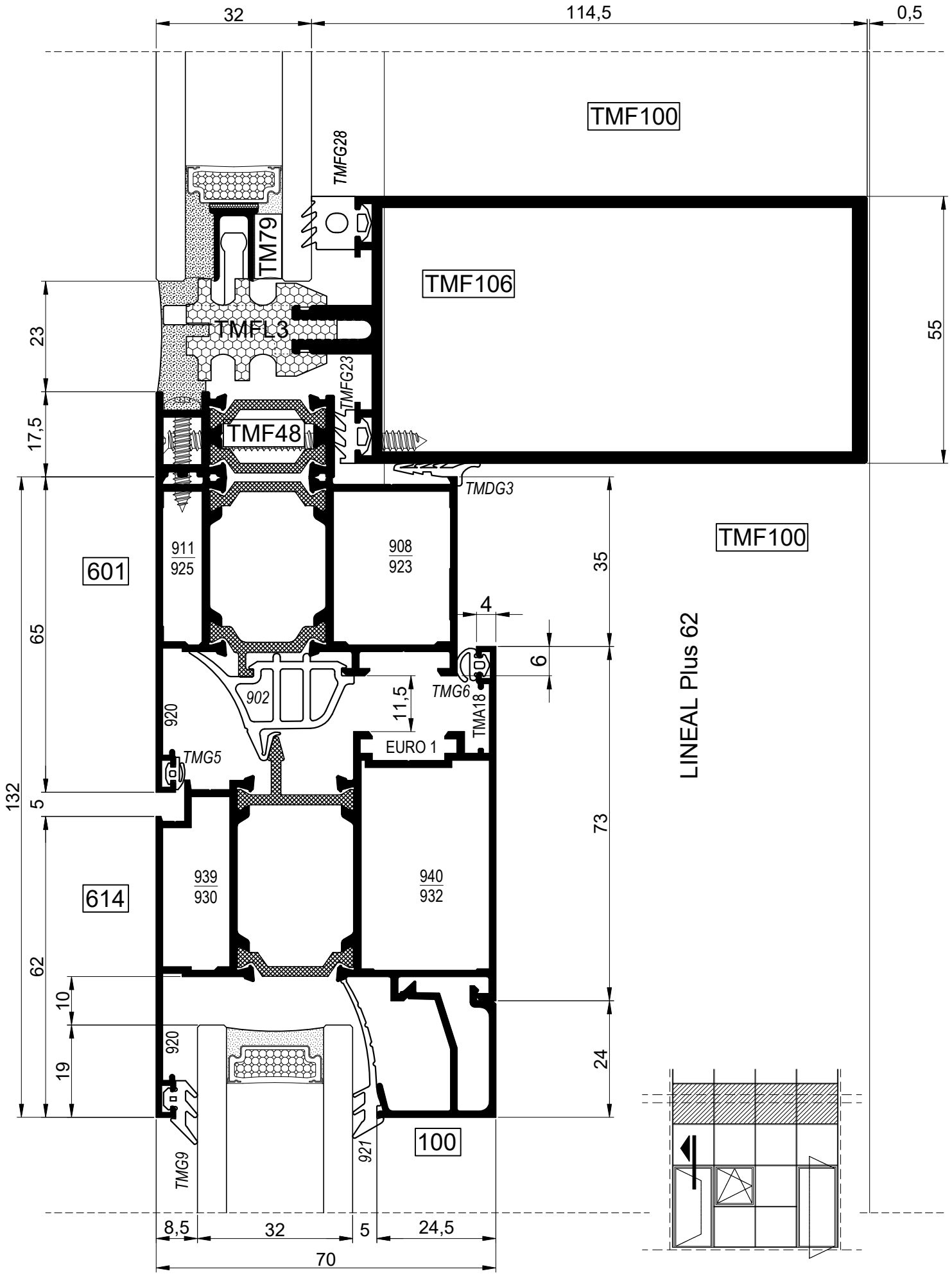

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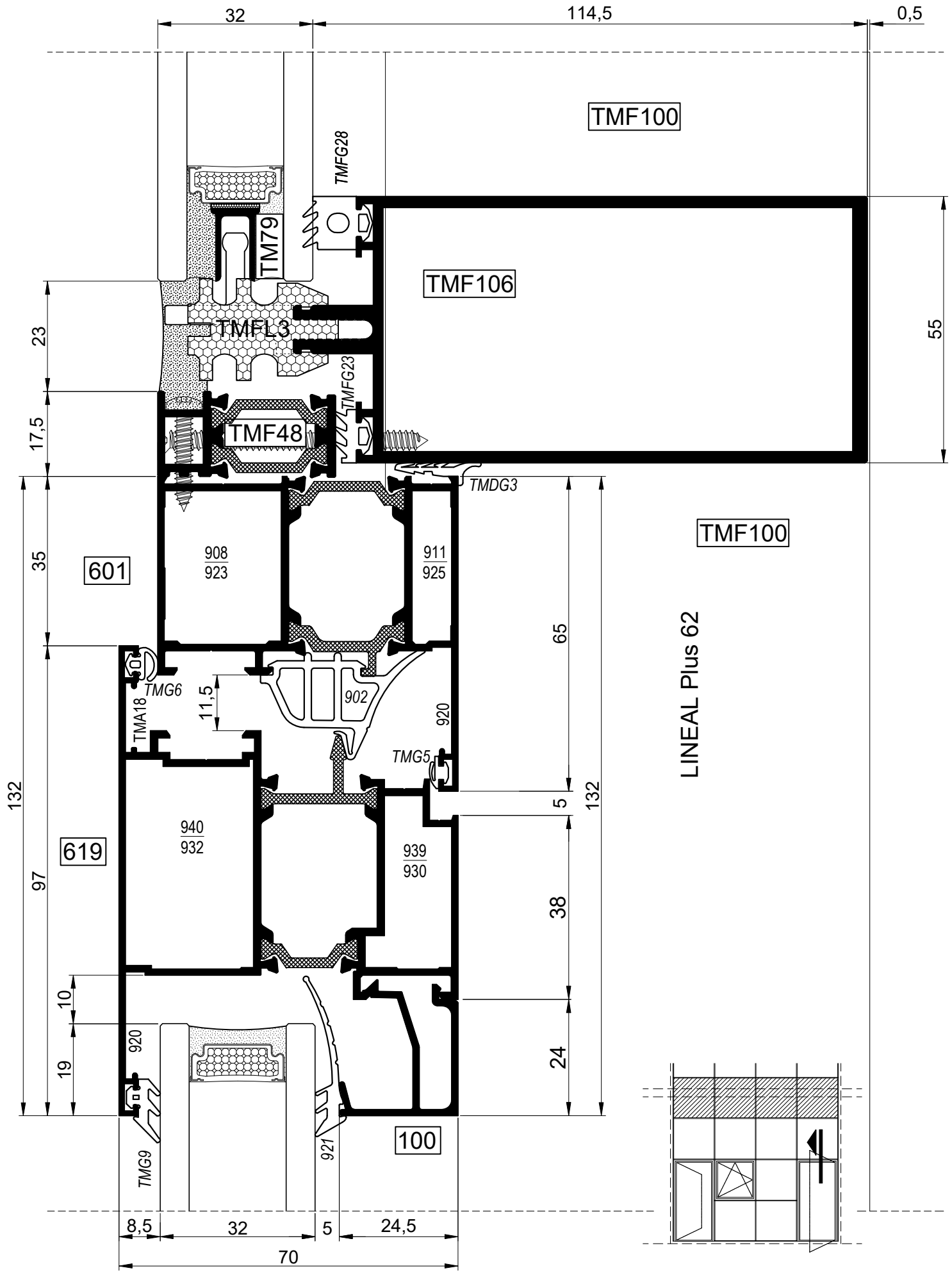

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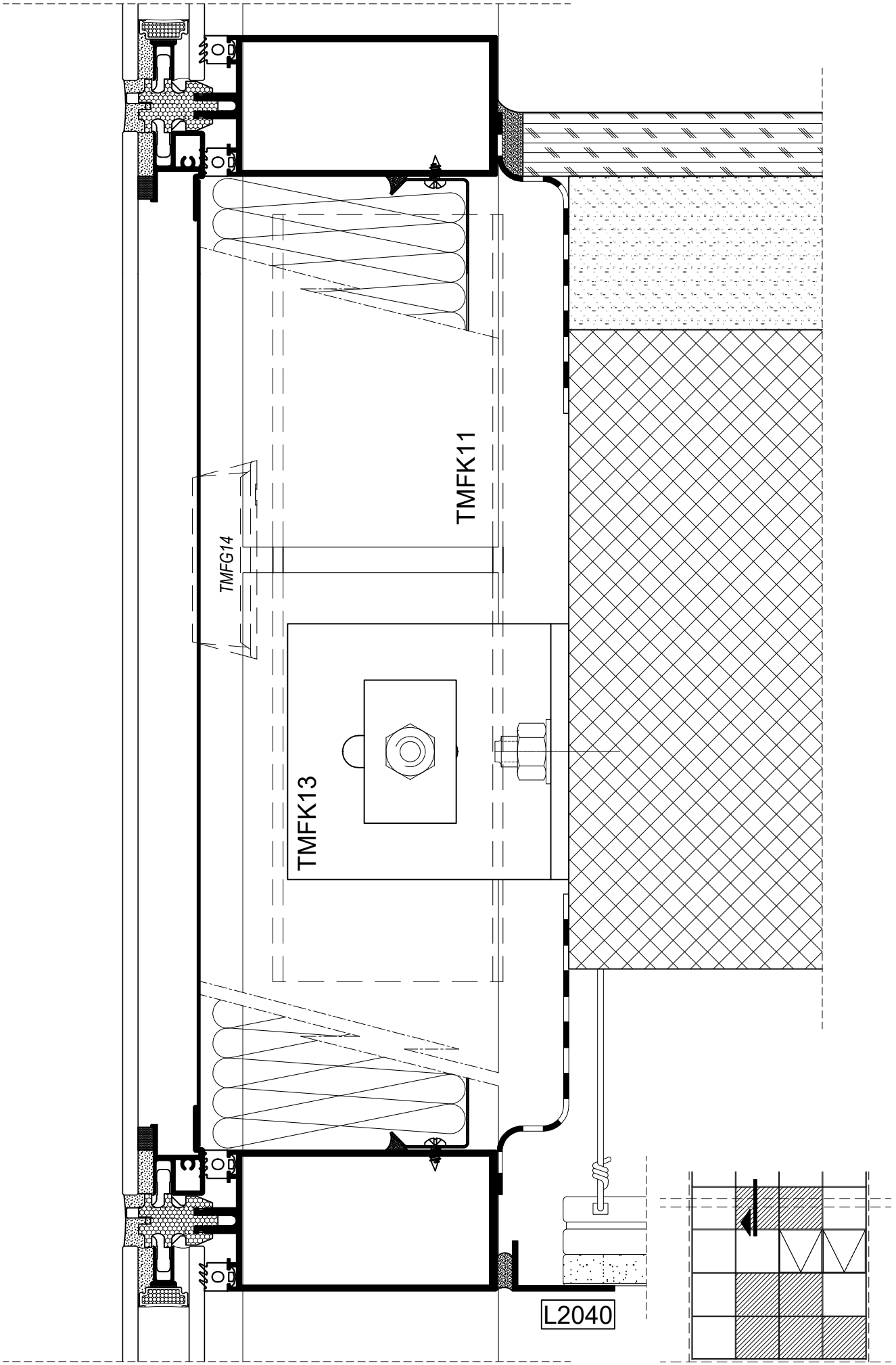

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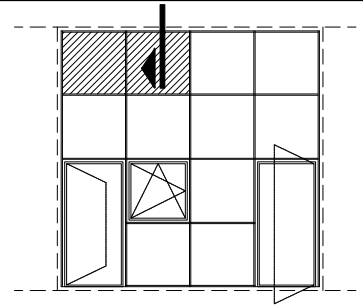

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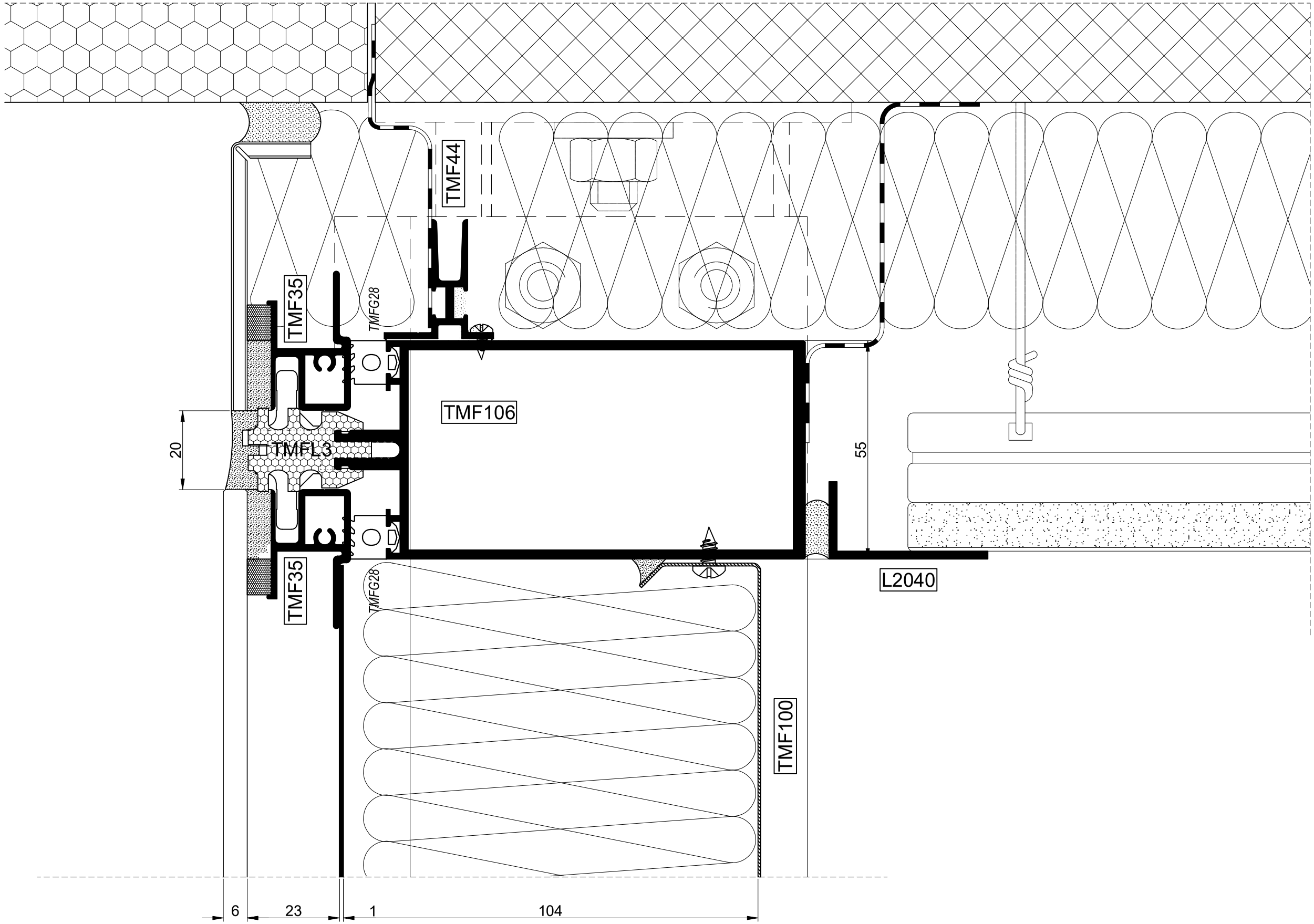

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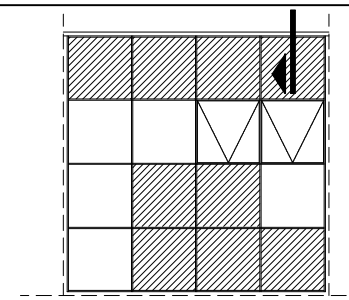

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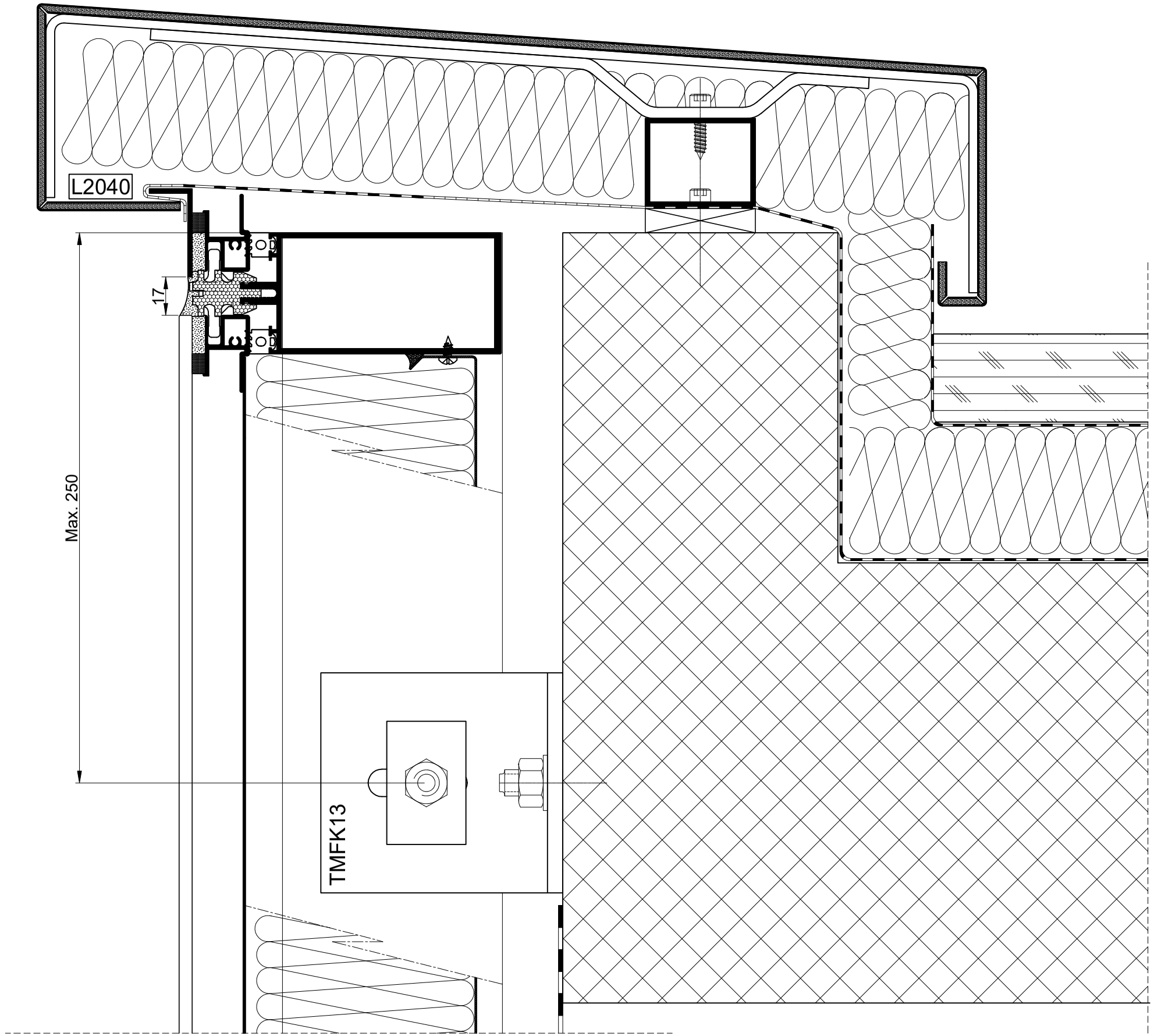

TMFK11
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TMFK13
L2040

Strukturalna fasada
Structural facade
Структурная фасад

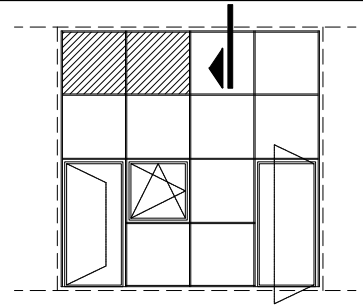


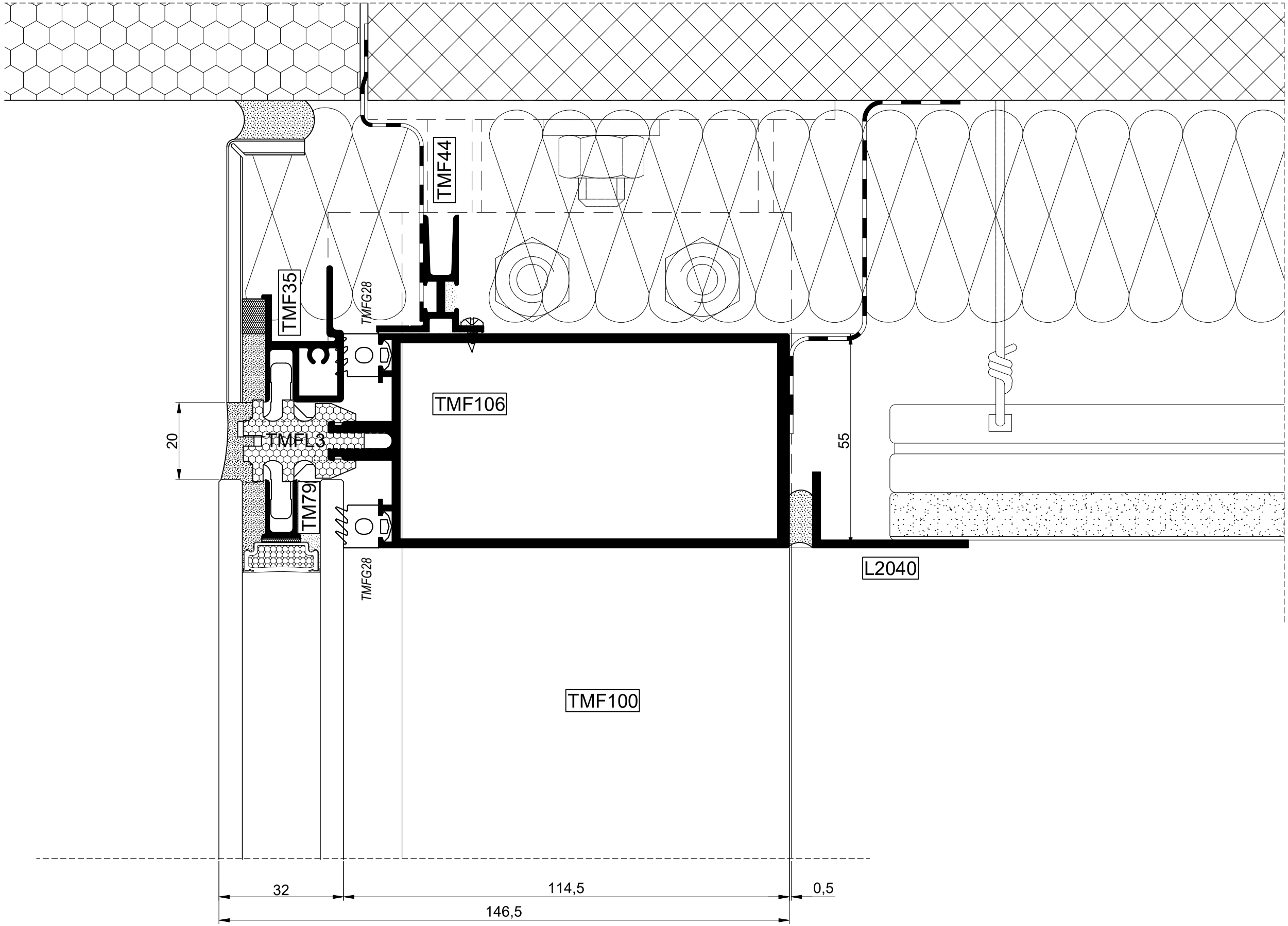


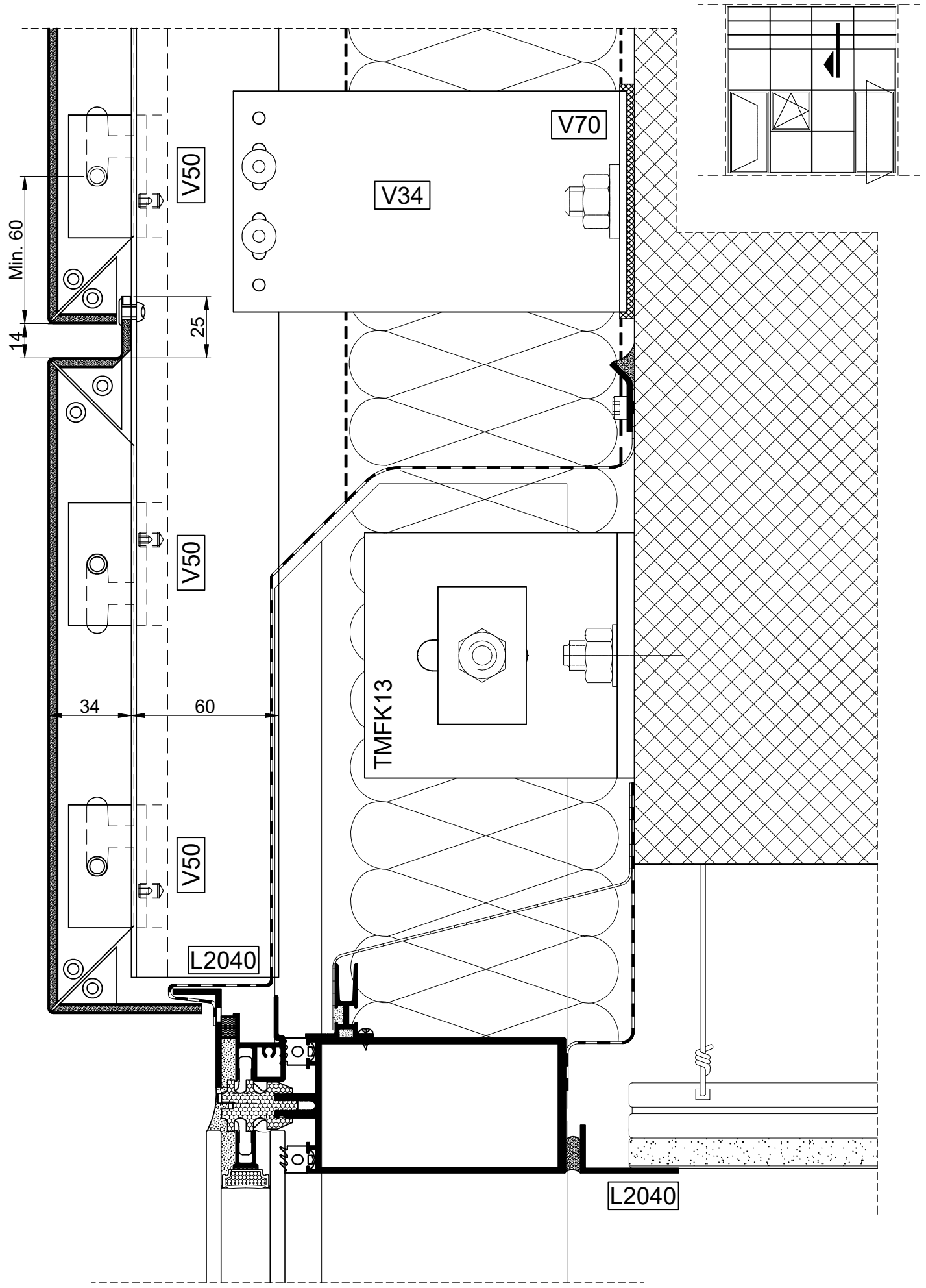



L2040
17
Max. 250
TMFK13

Strukturalna fasada
Structural facade
Структурная фасад






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V34
V50
V50
V50
Min. 60
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34
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TMFK13
L2040
L2040

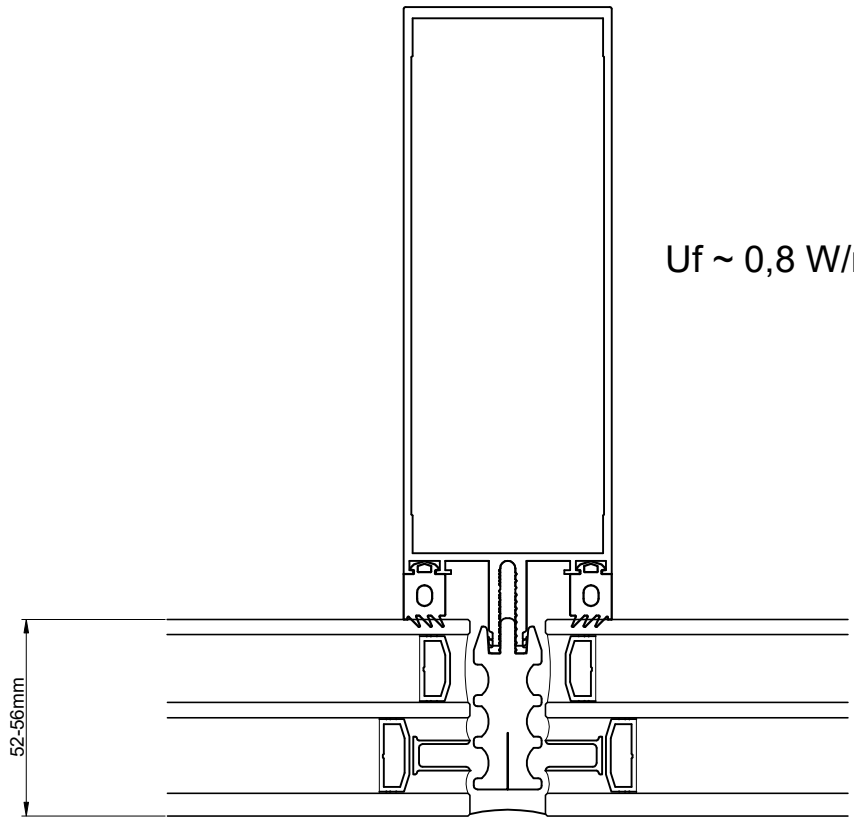
Sistem
System
Система

ALUMINIK CS55

Strukturalna fasada
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Структурная фасад

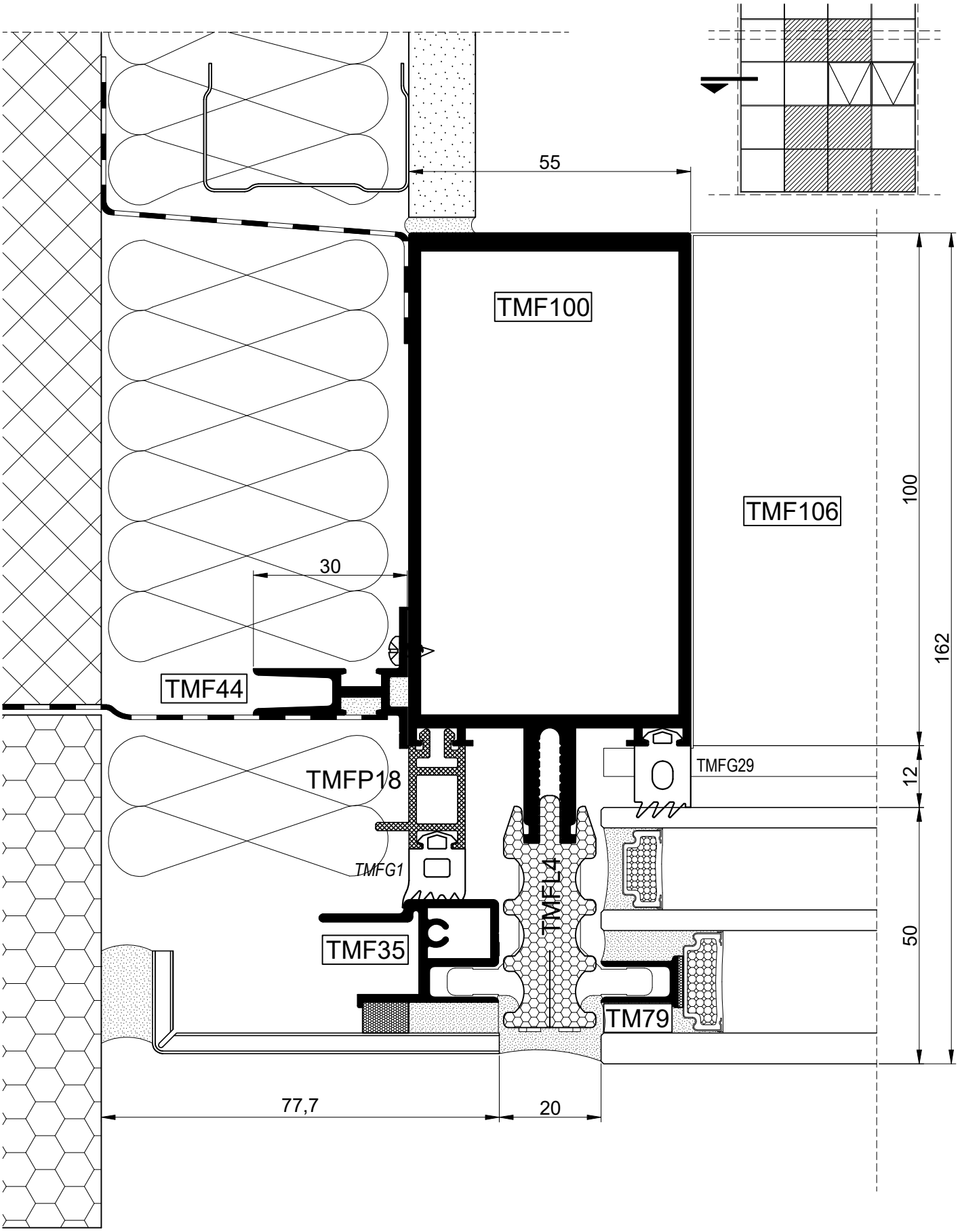
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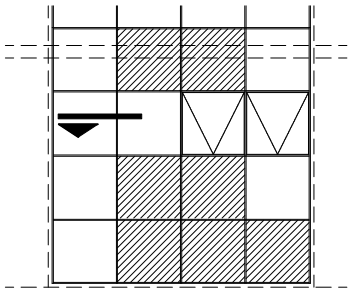
Troslojno ostakljenje
Triple glazing
Трокамерный стеклопакет

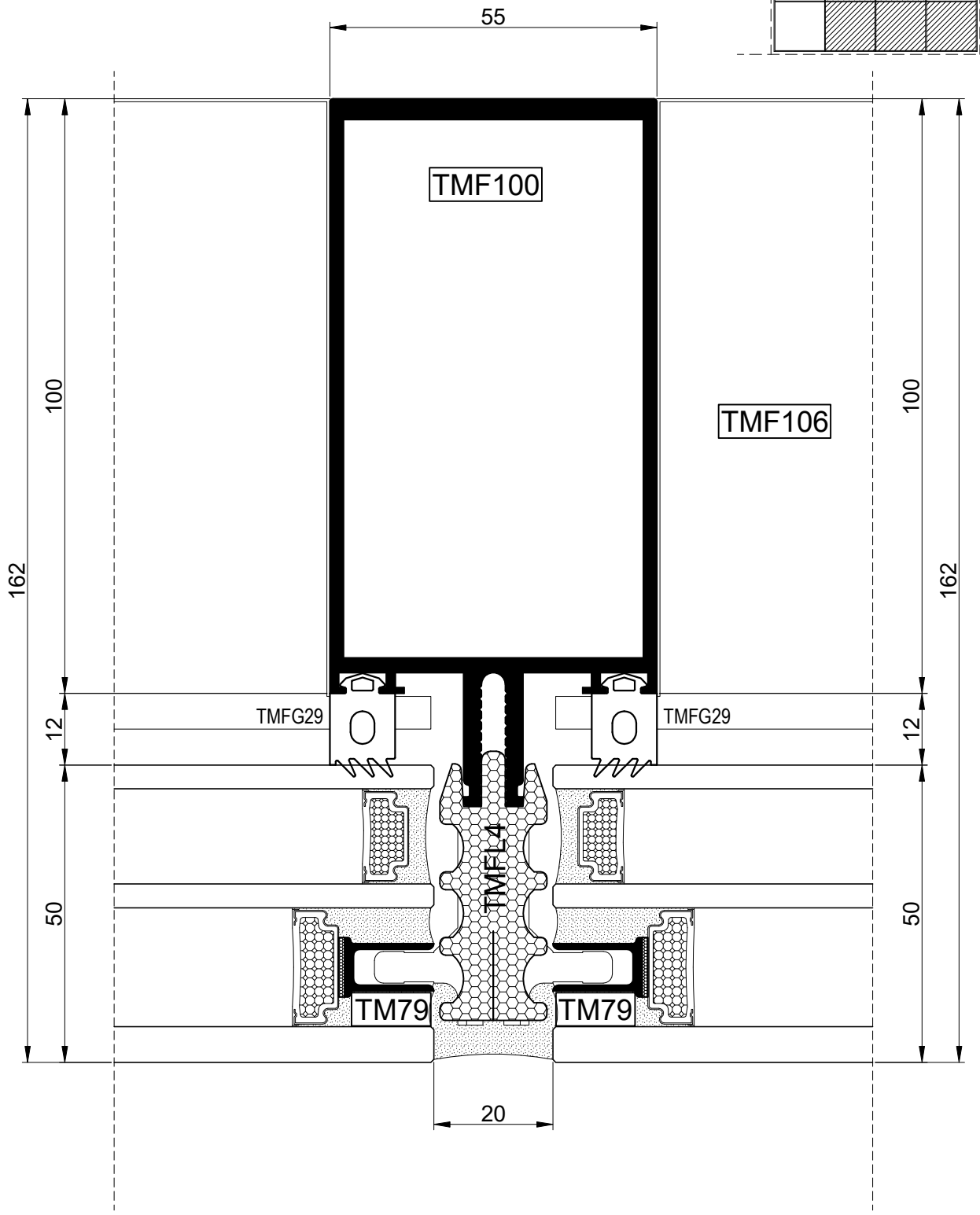


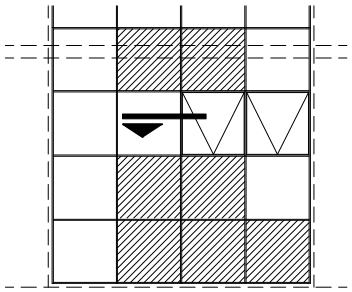
Uf ~ 0,8 W/m K

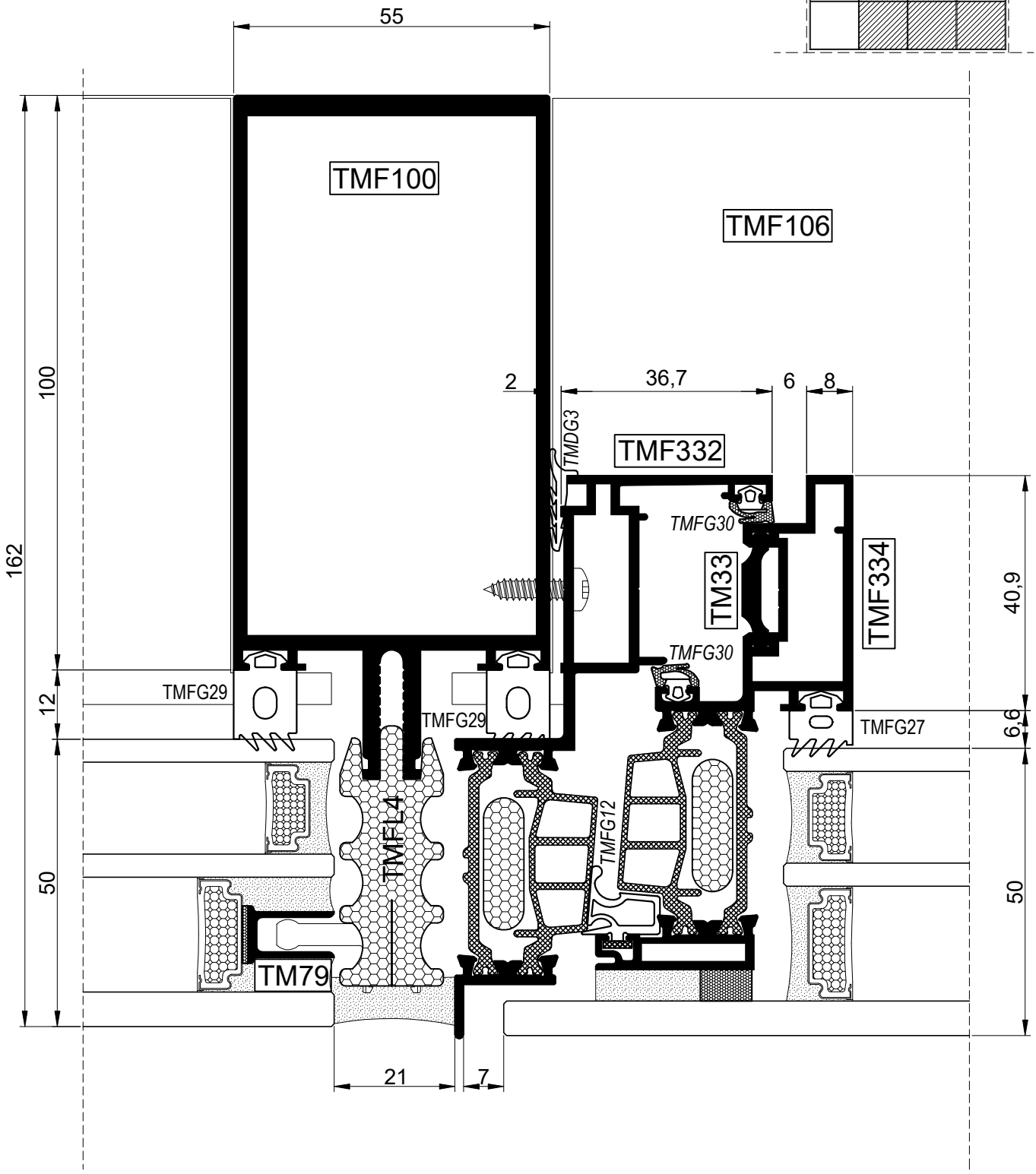
Strukturalni silikon
Structural silicone
Структурная силиконовая

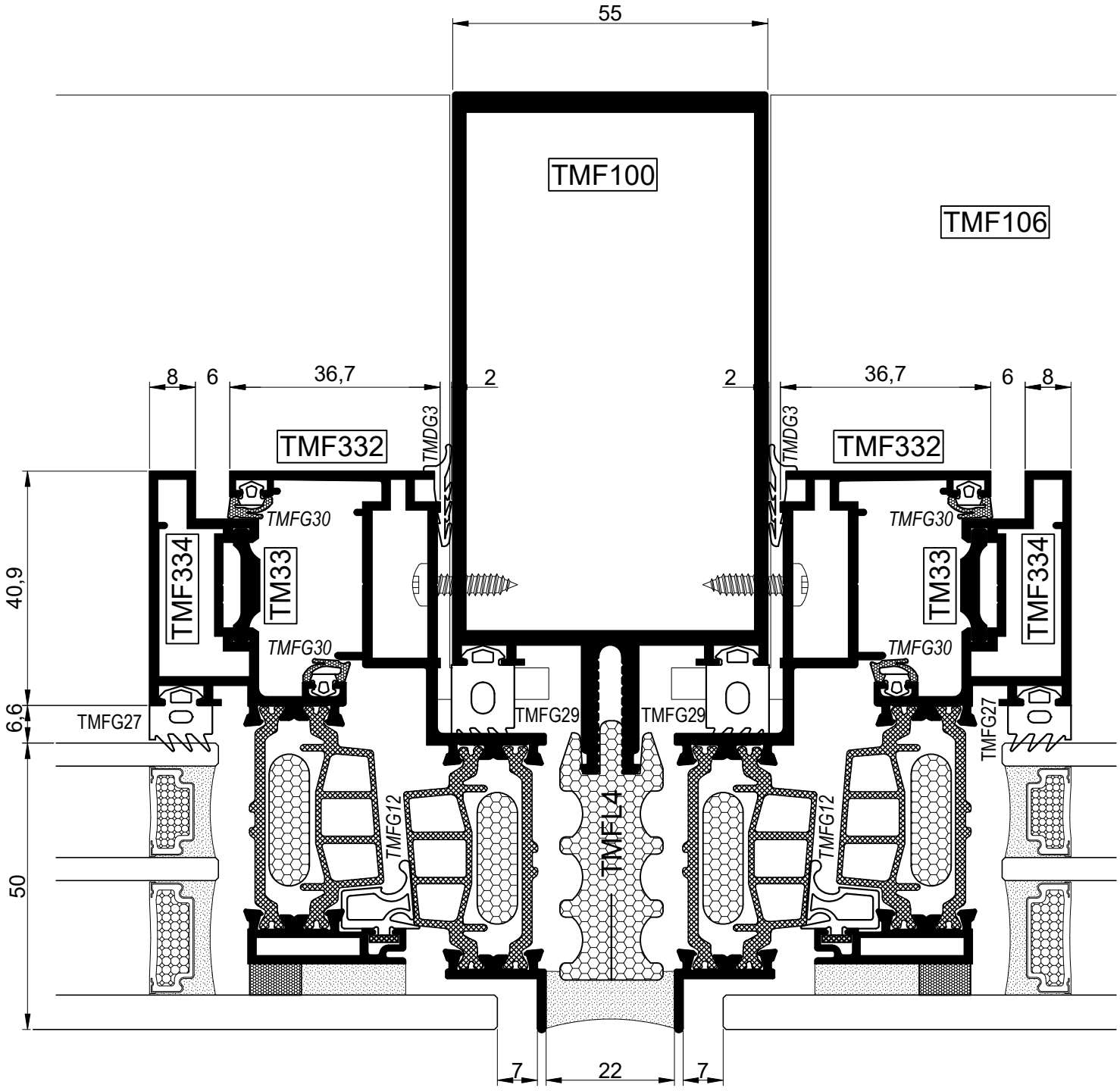

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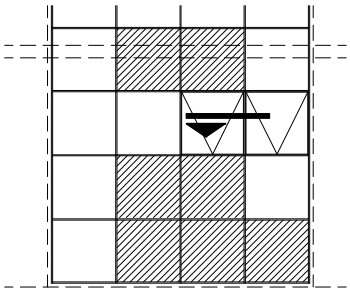


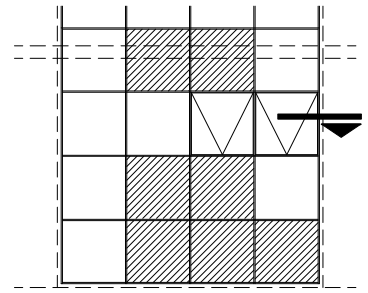

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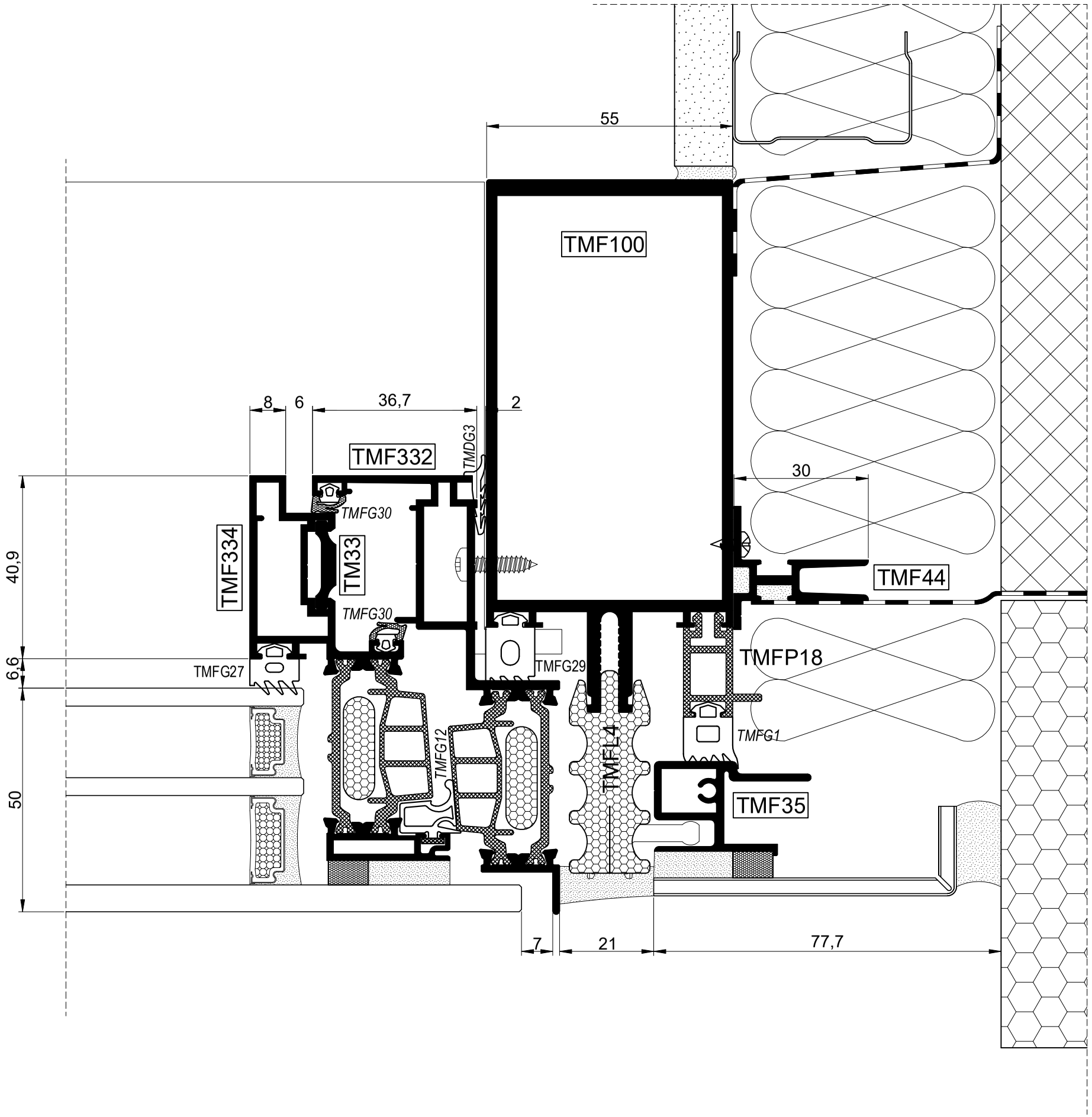


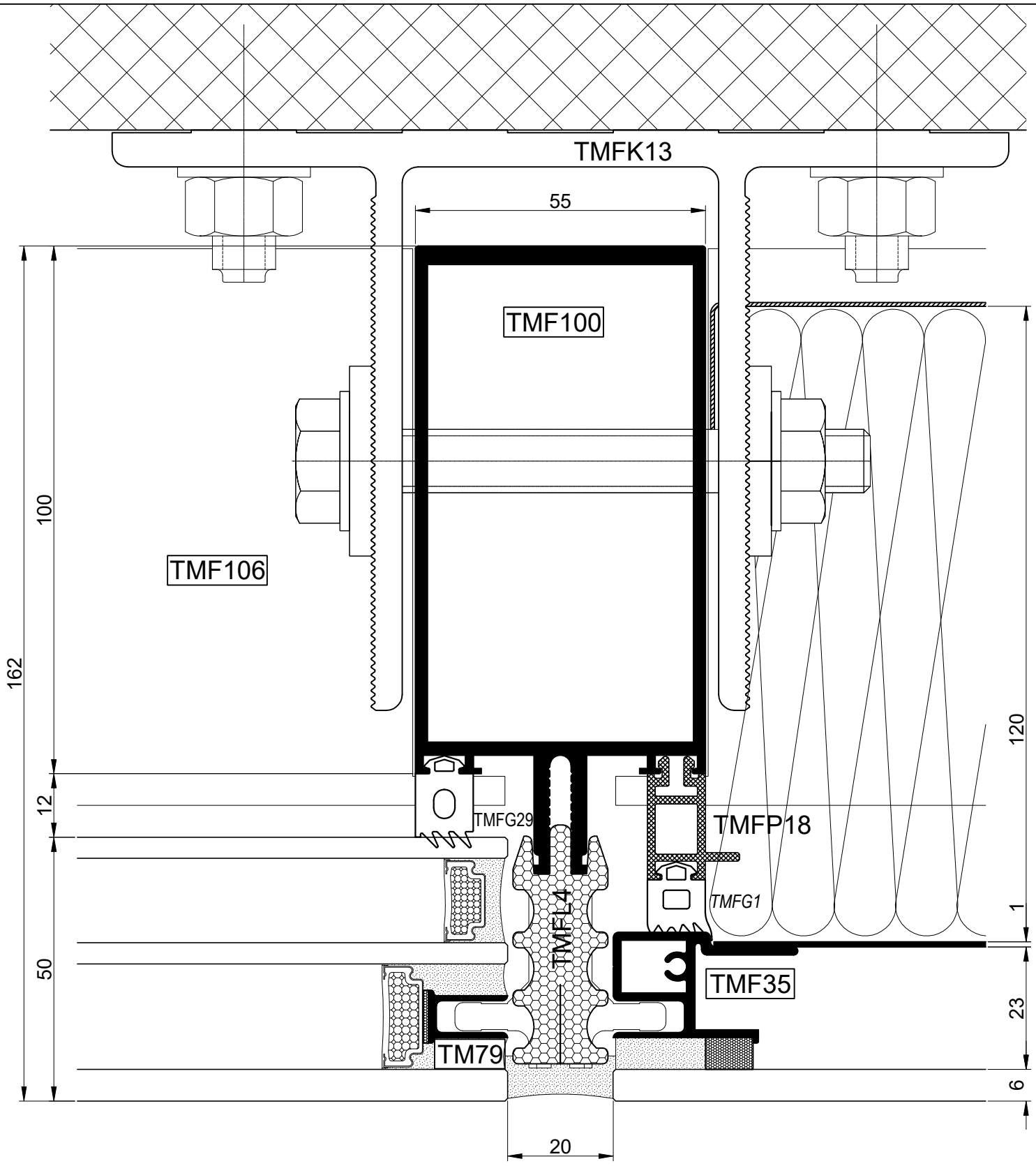

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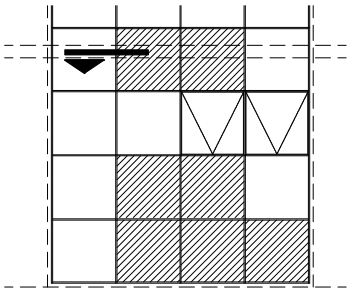

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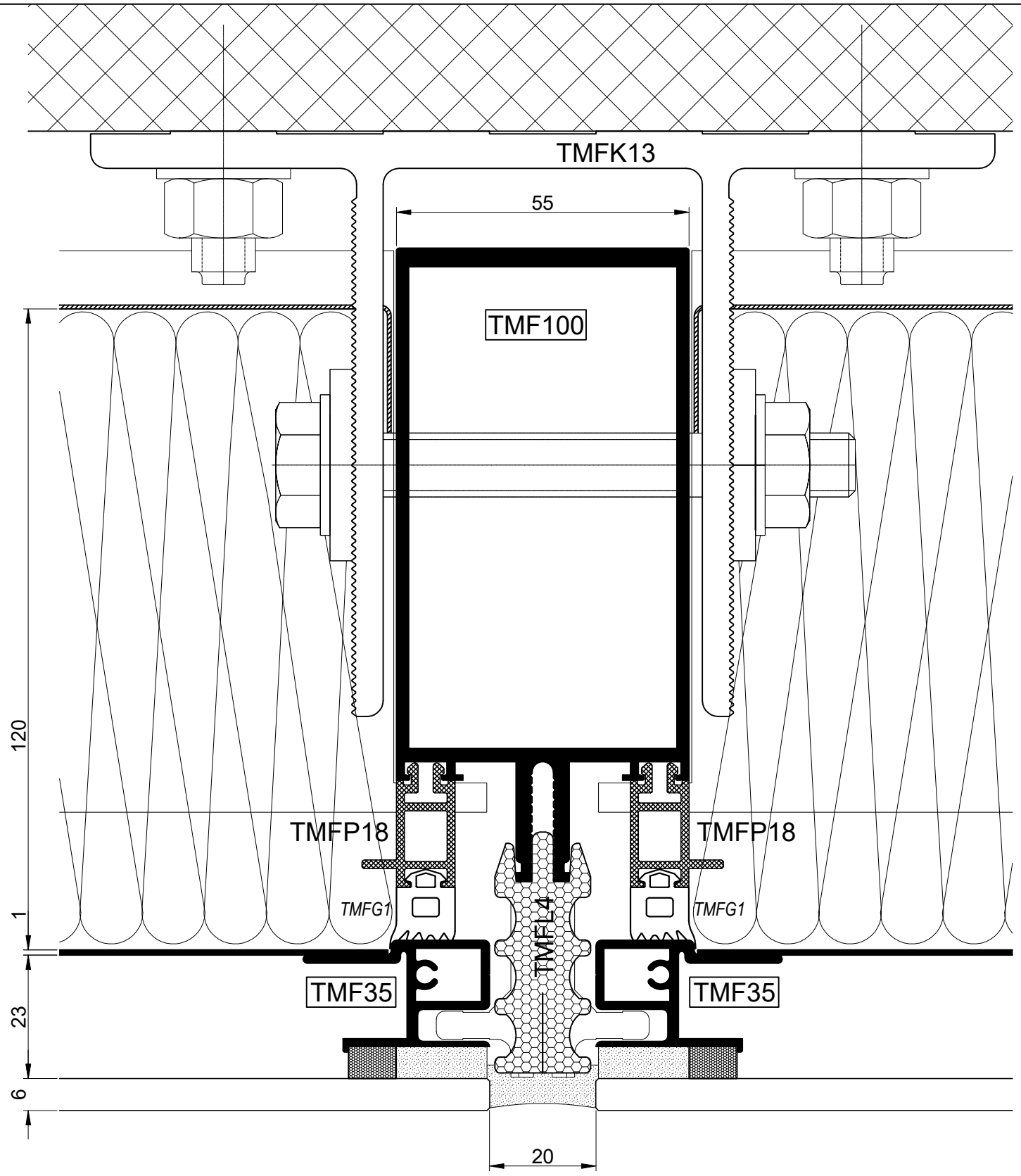


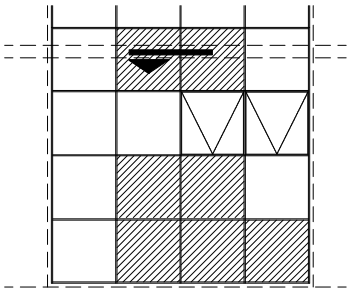


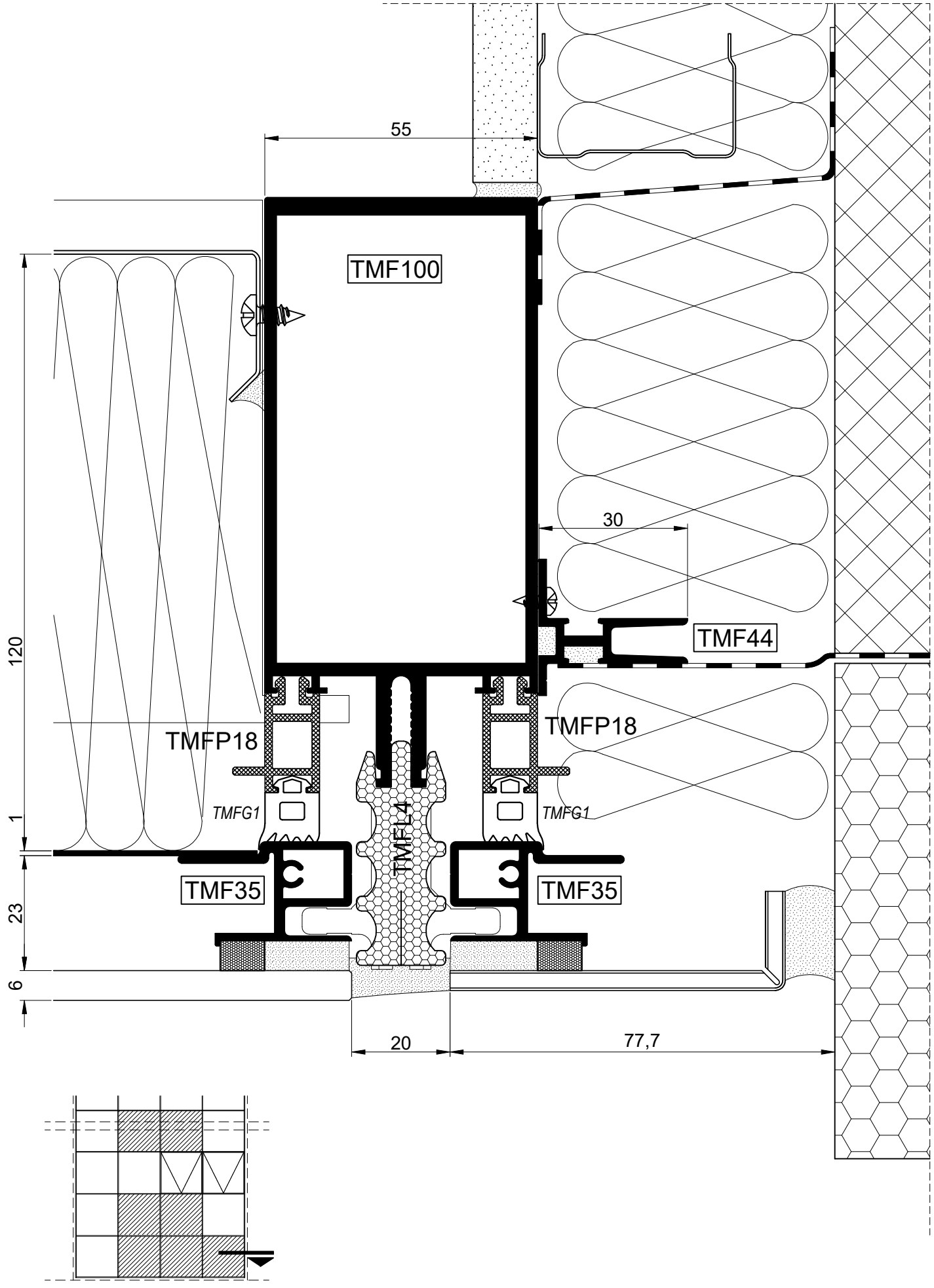

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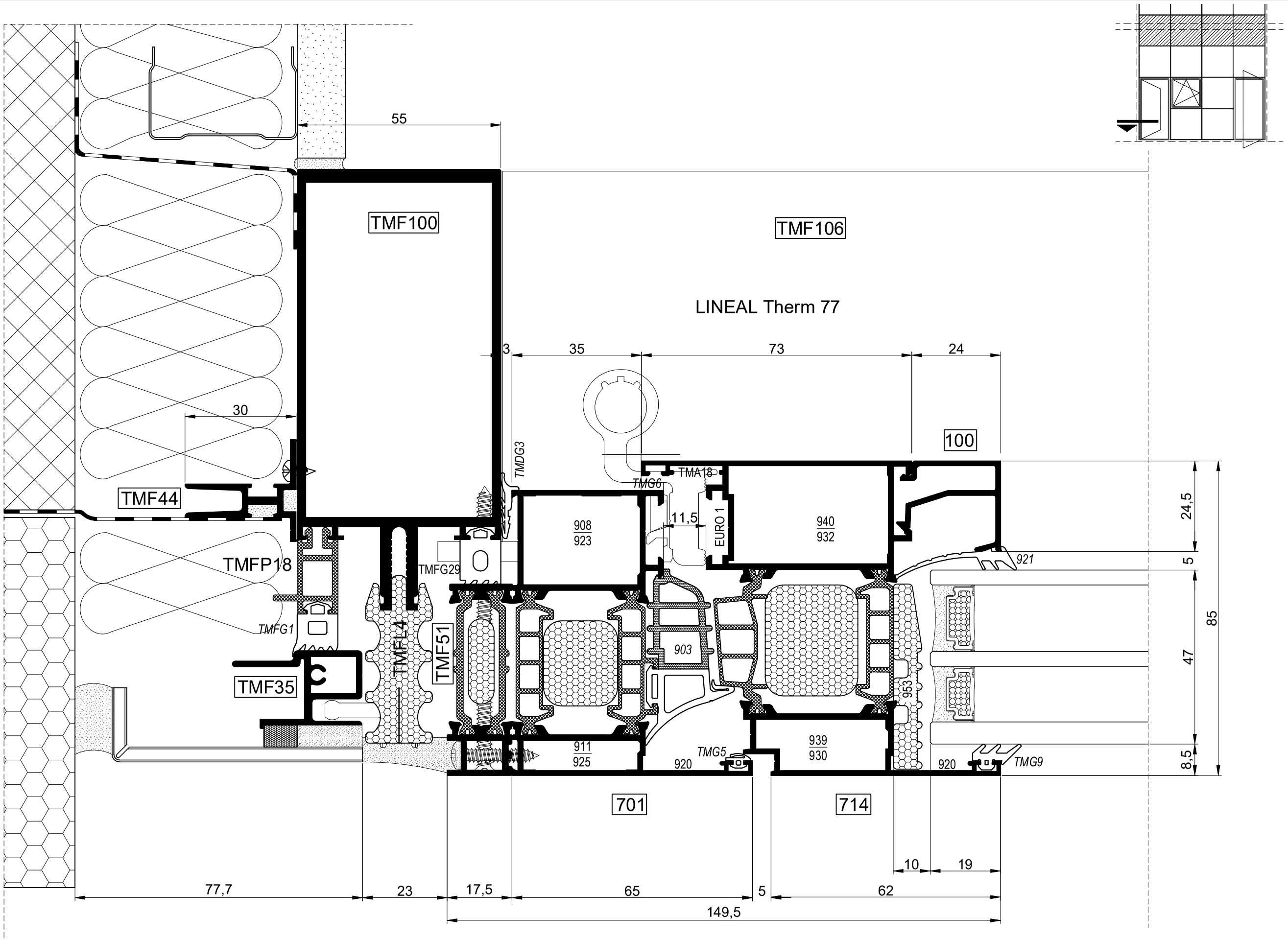

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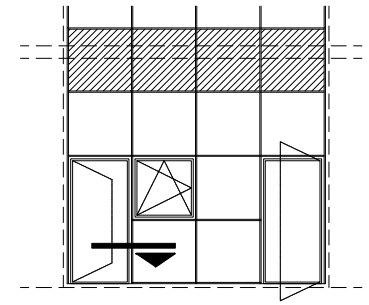


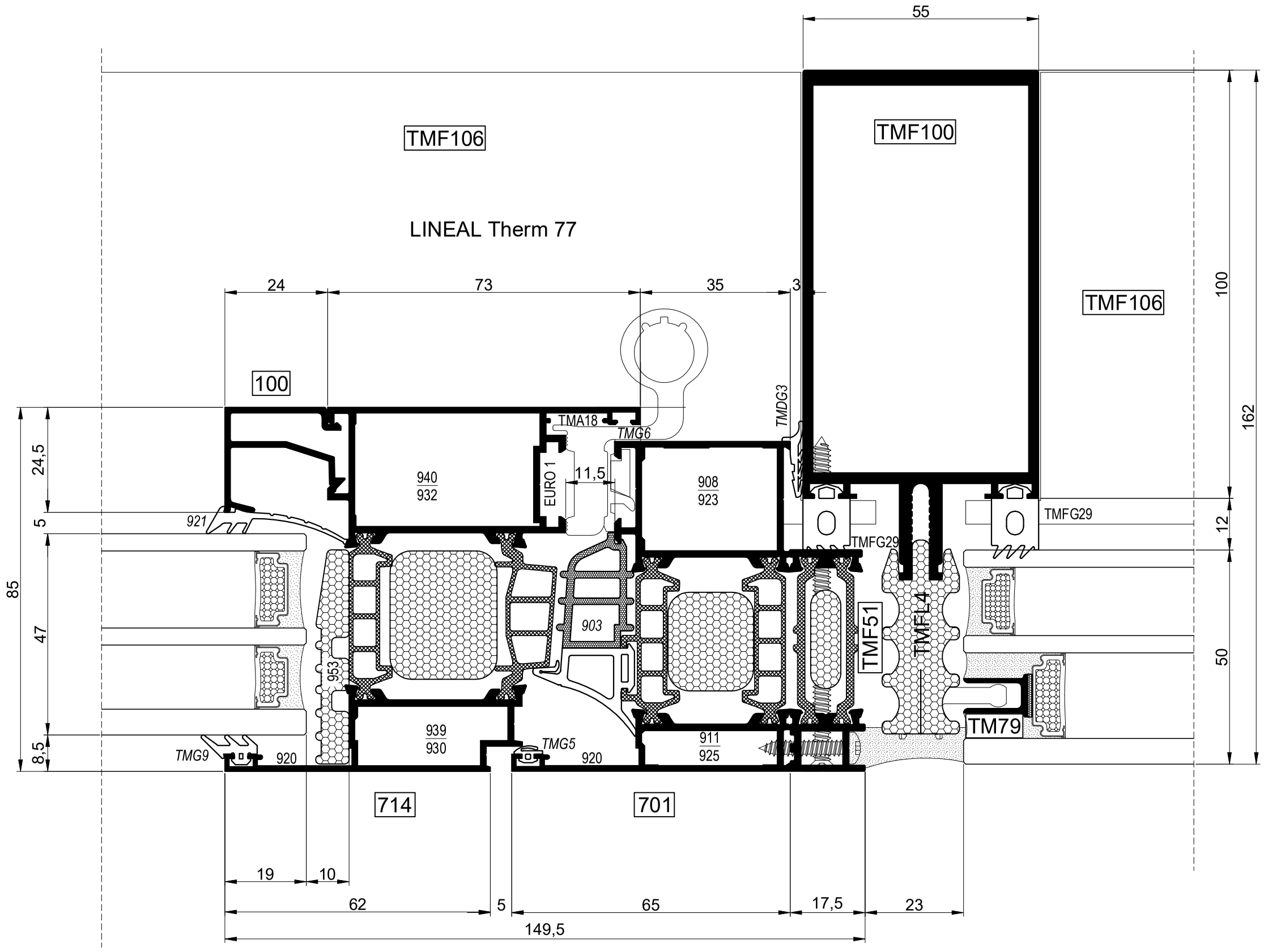

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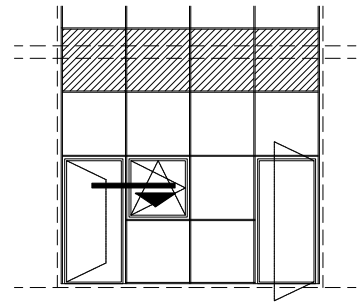


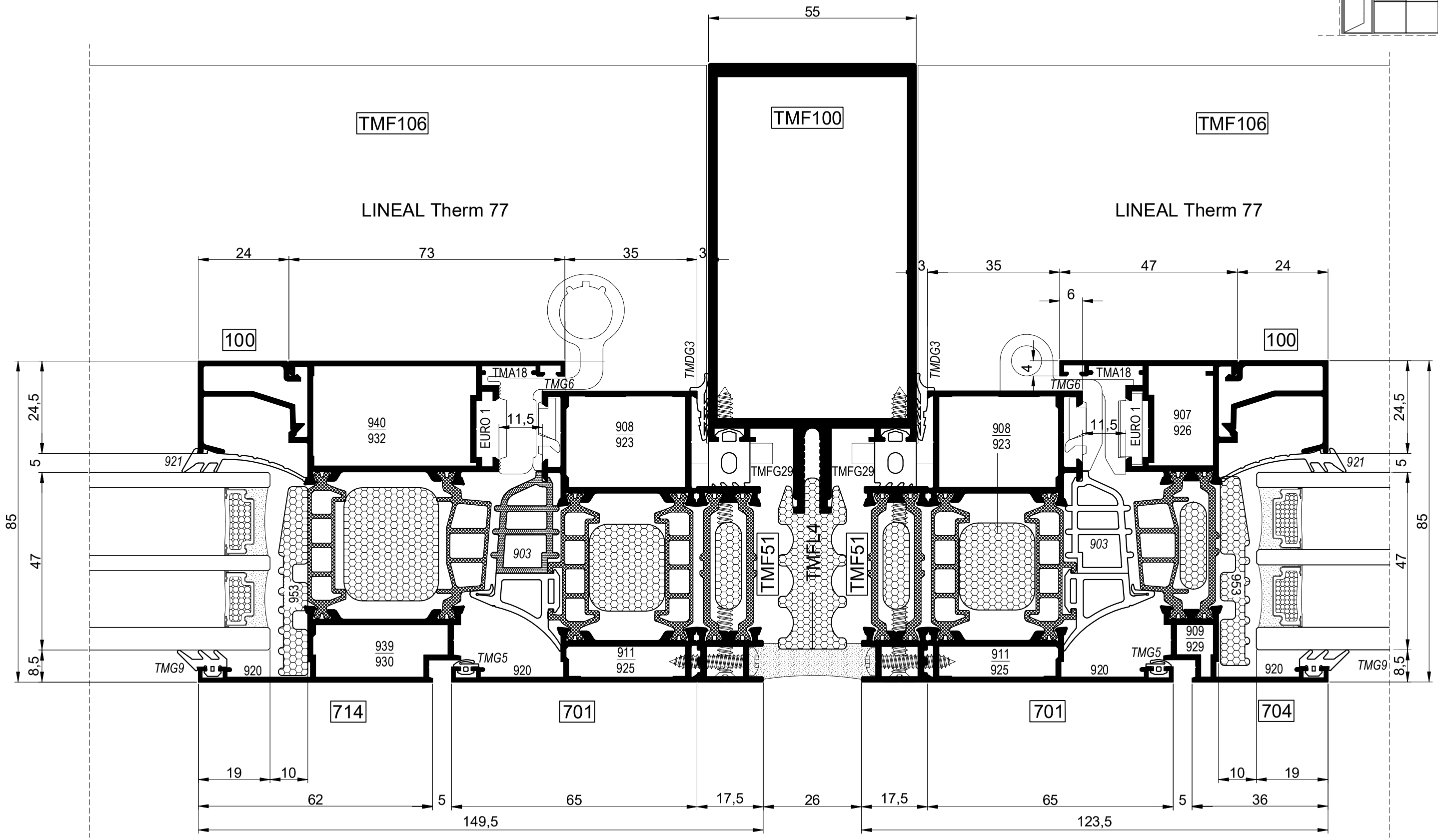

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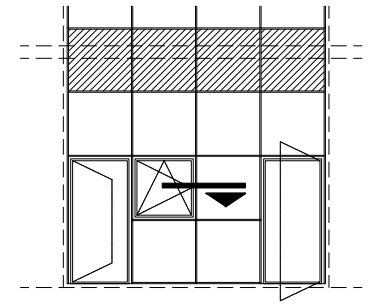

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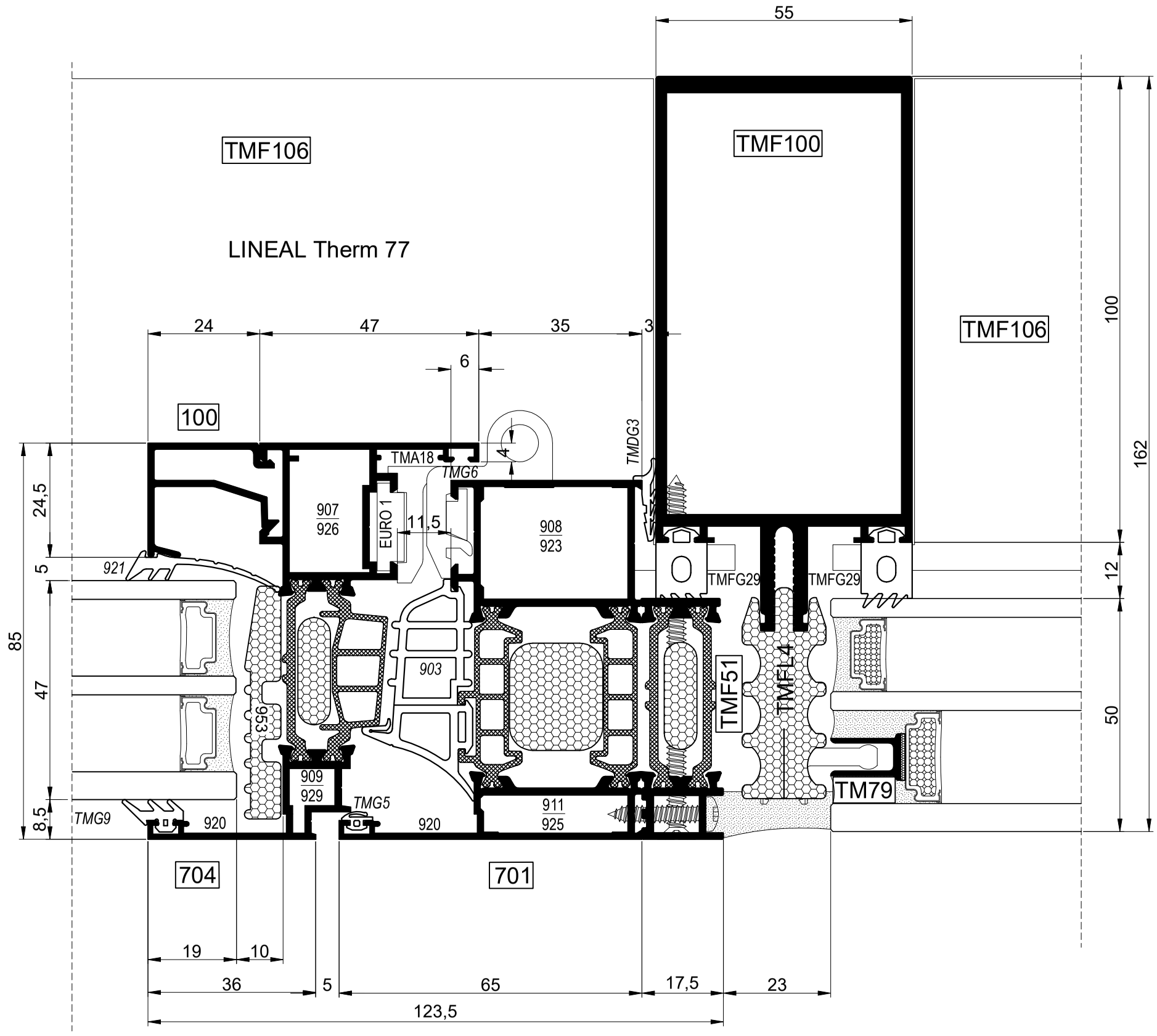


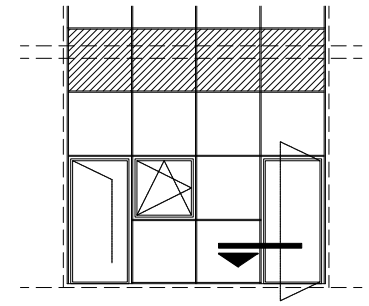

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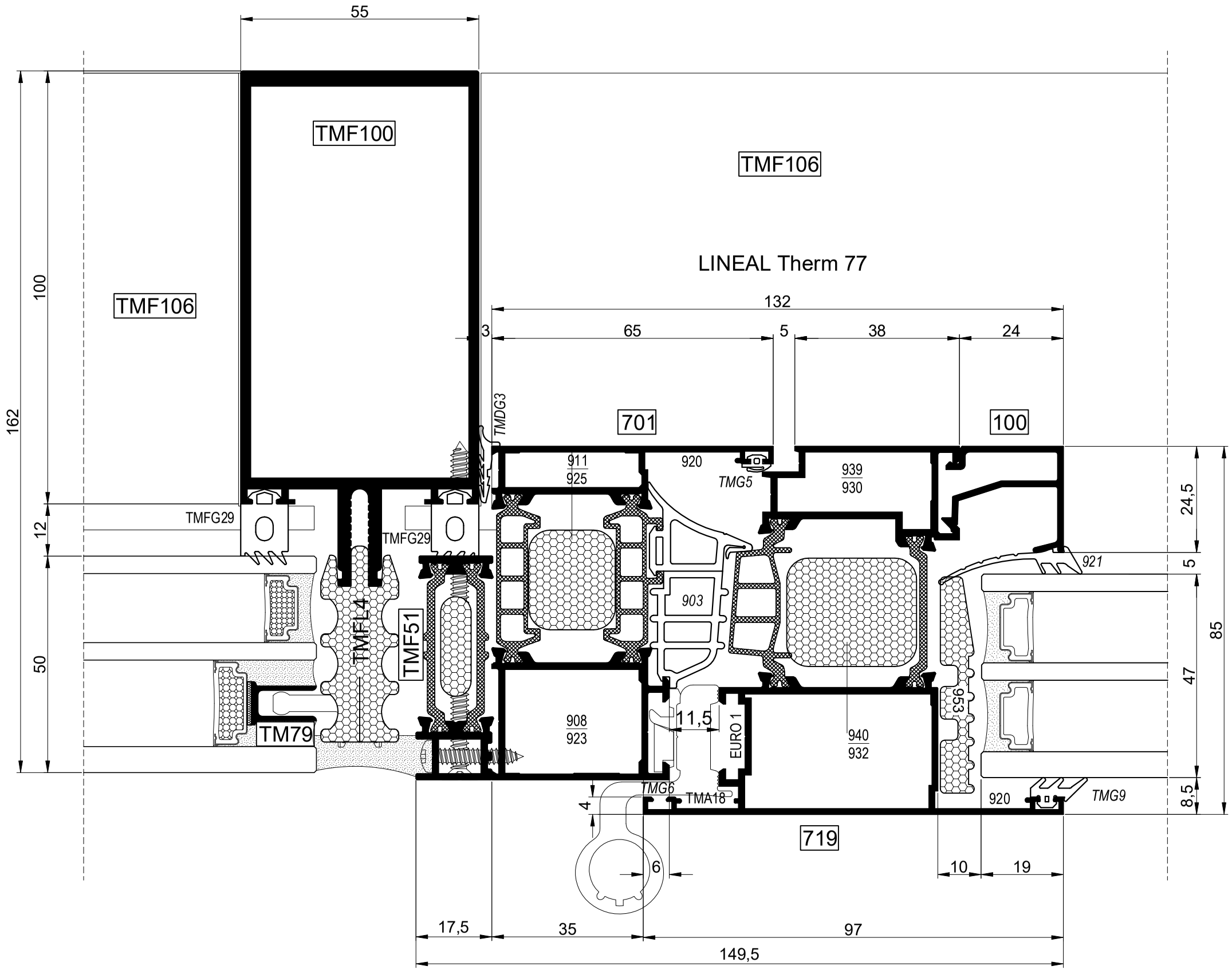


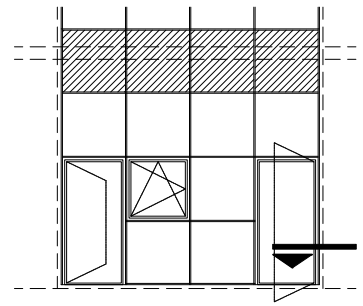

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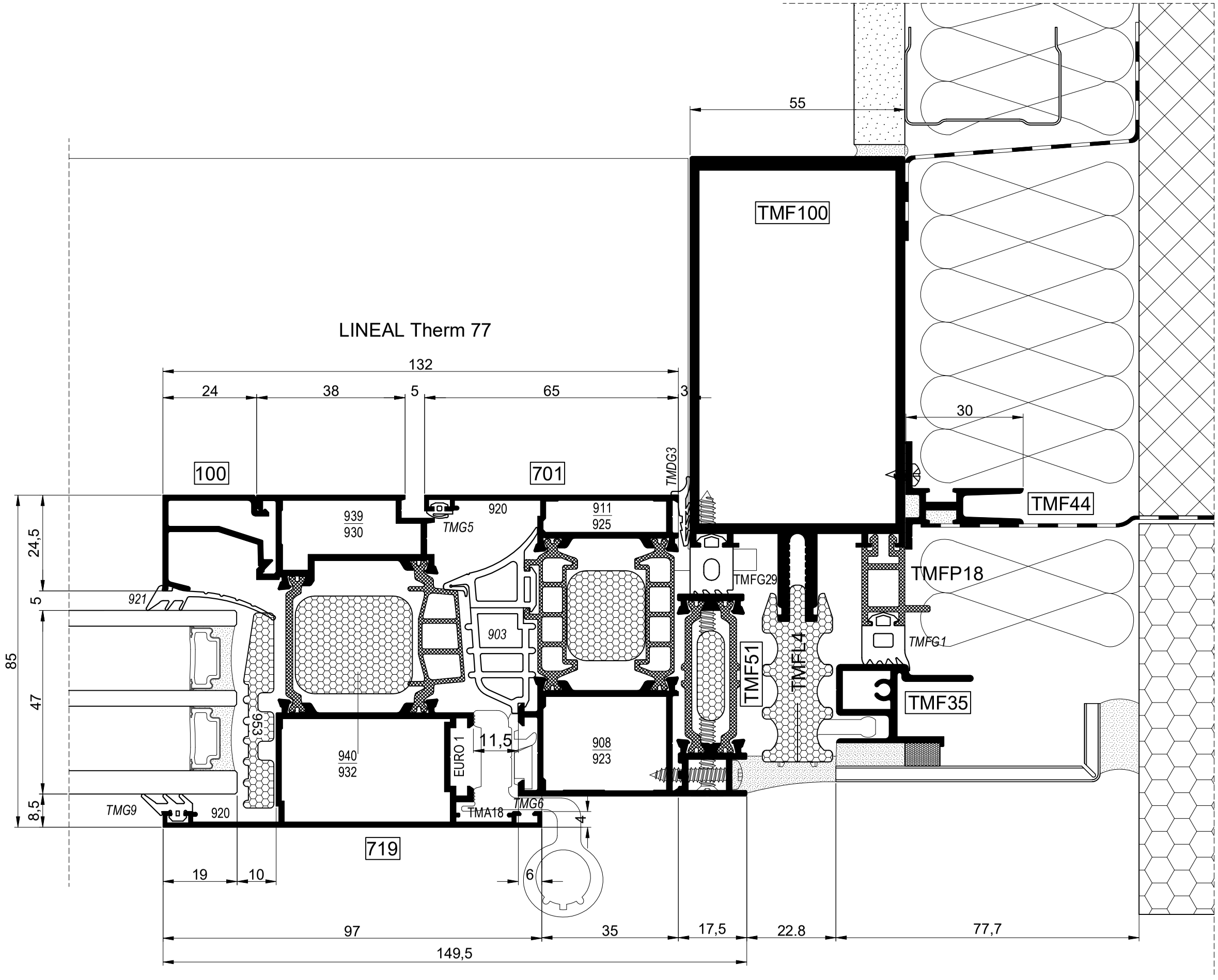


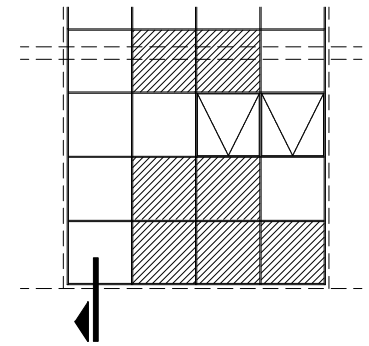

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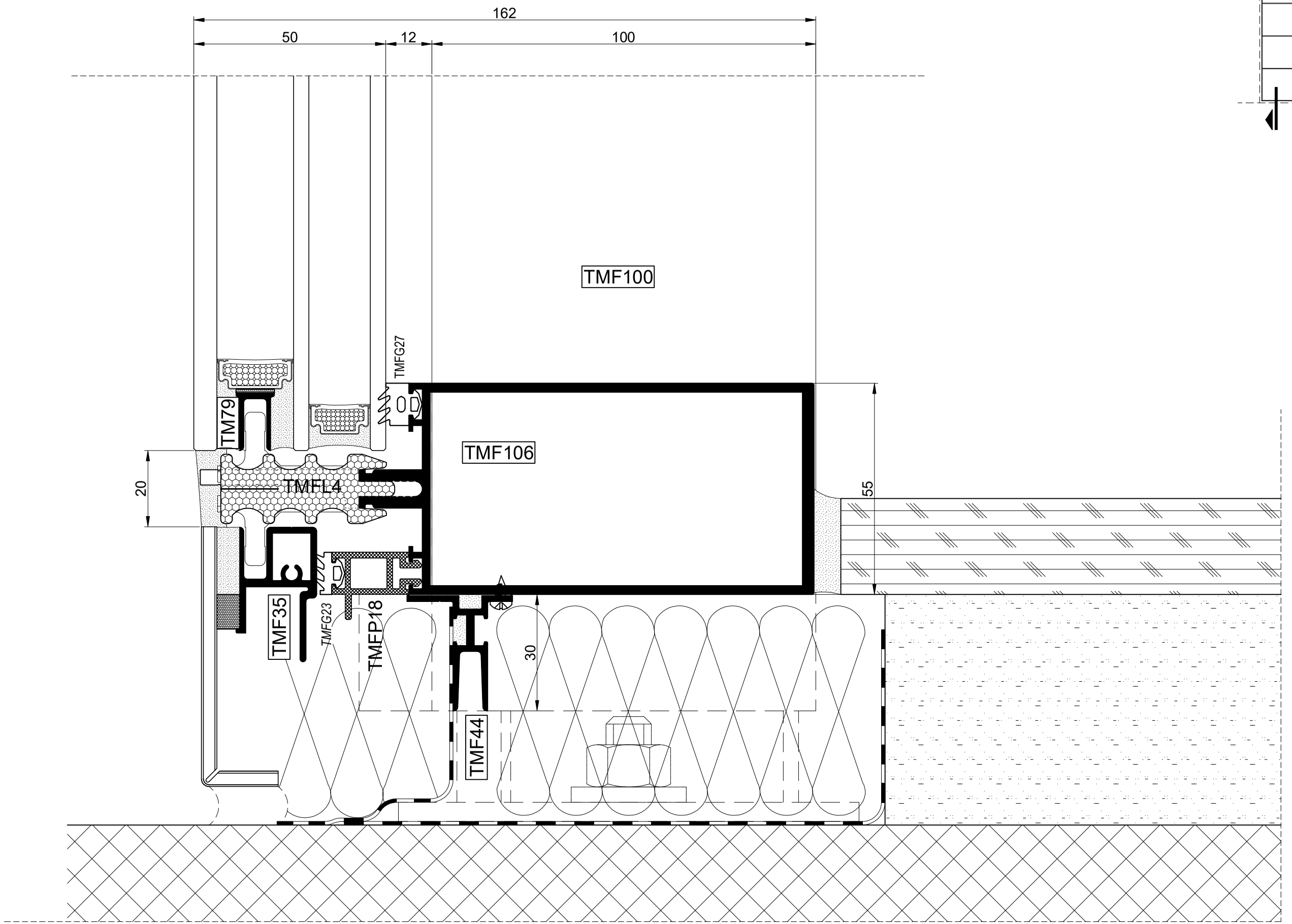


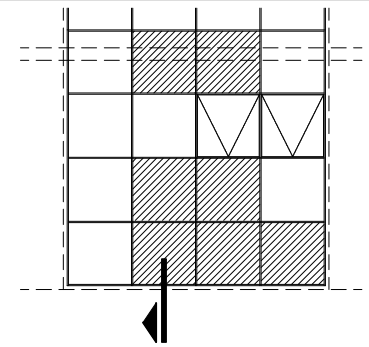

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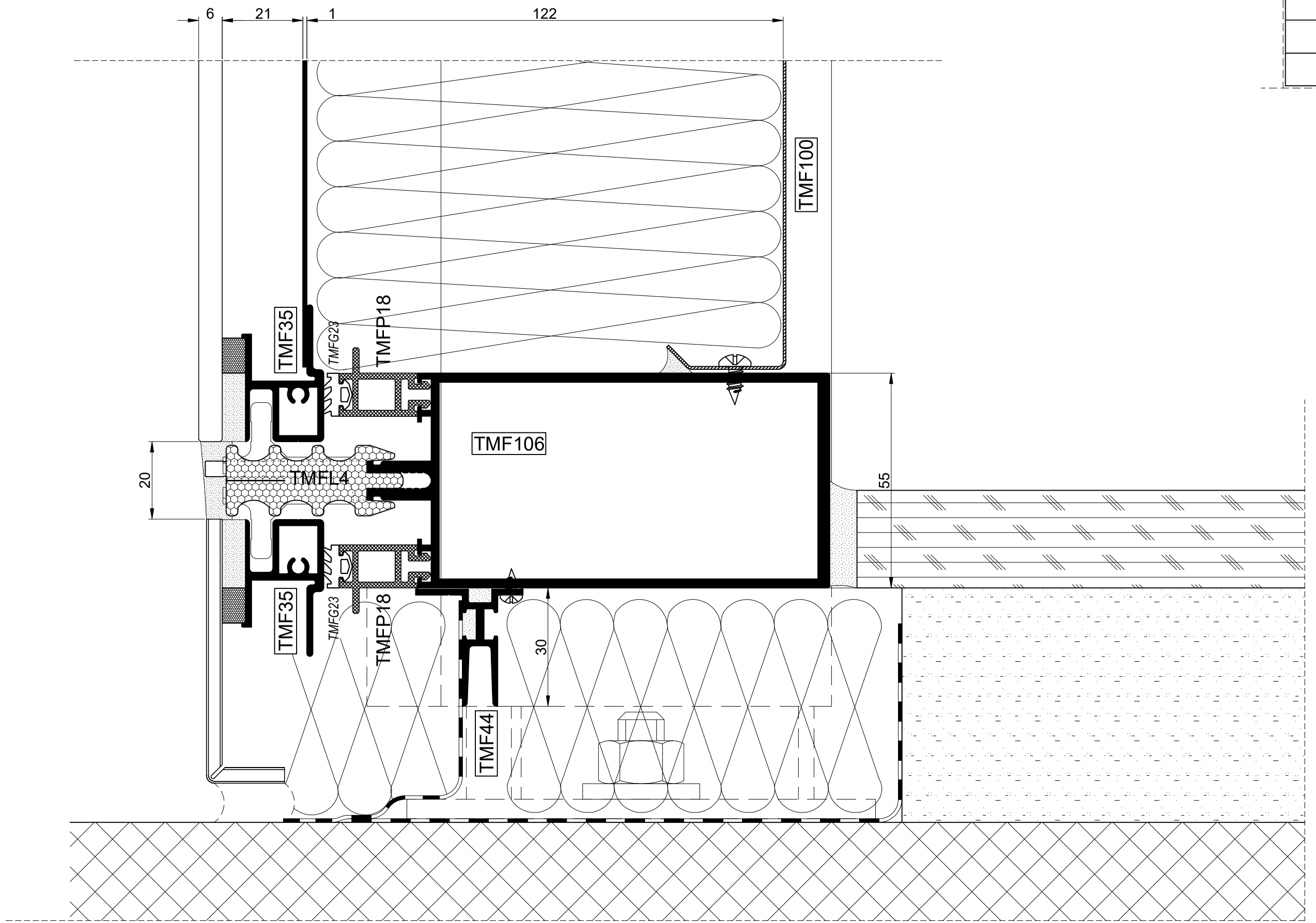


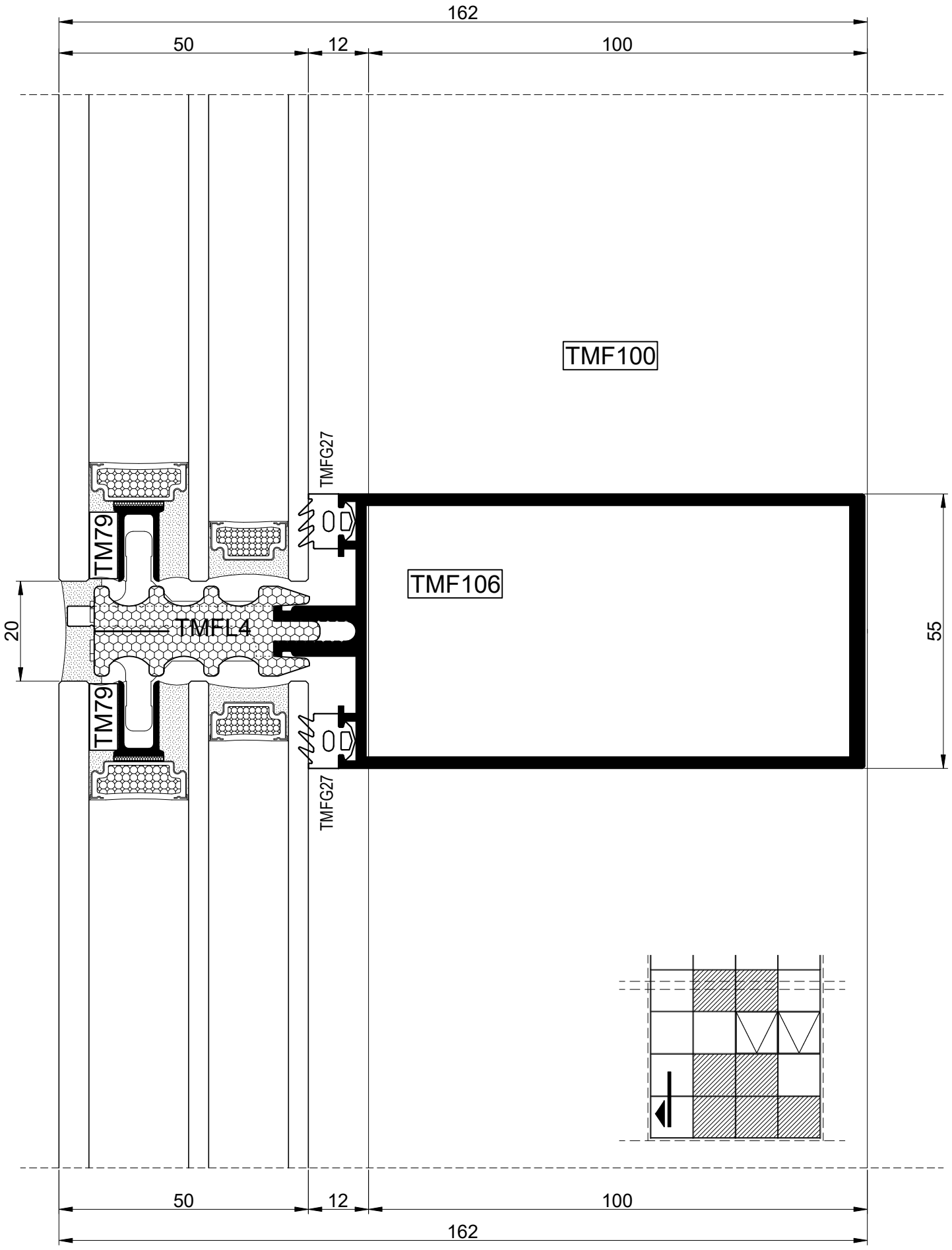

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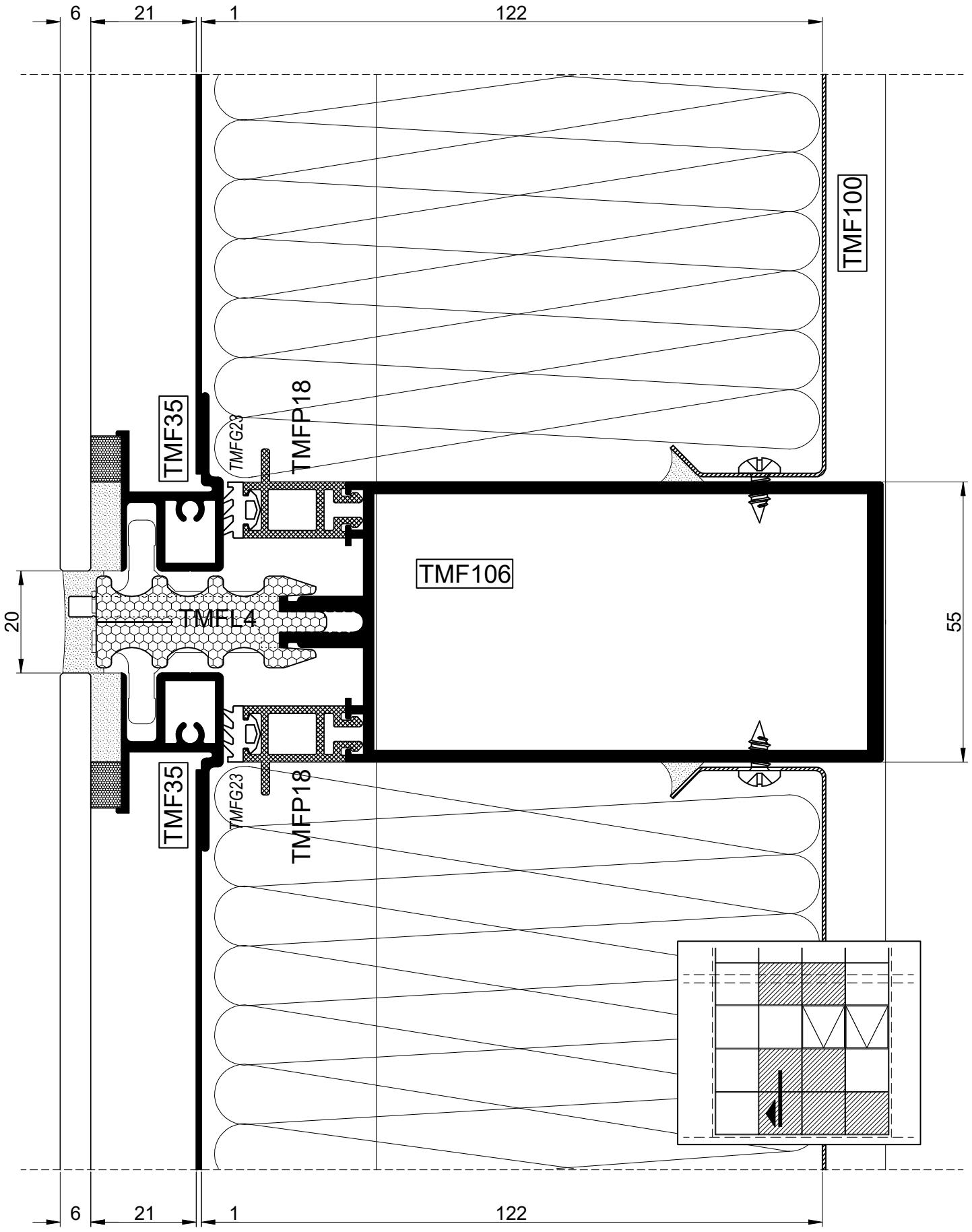


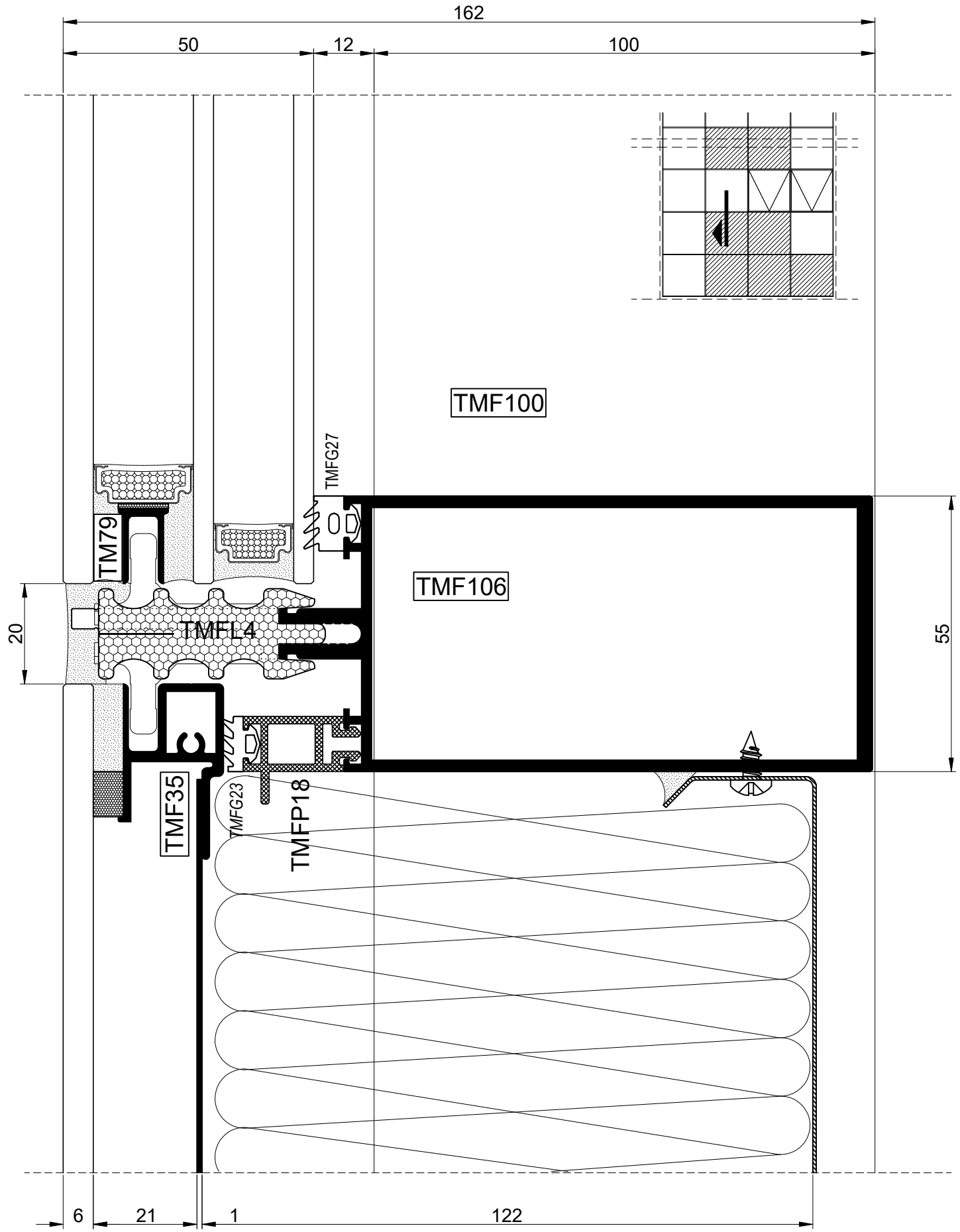

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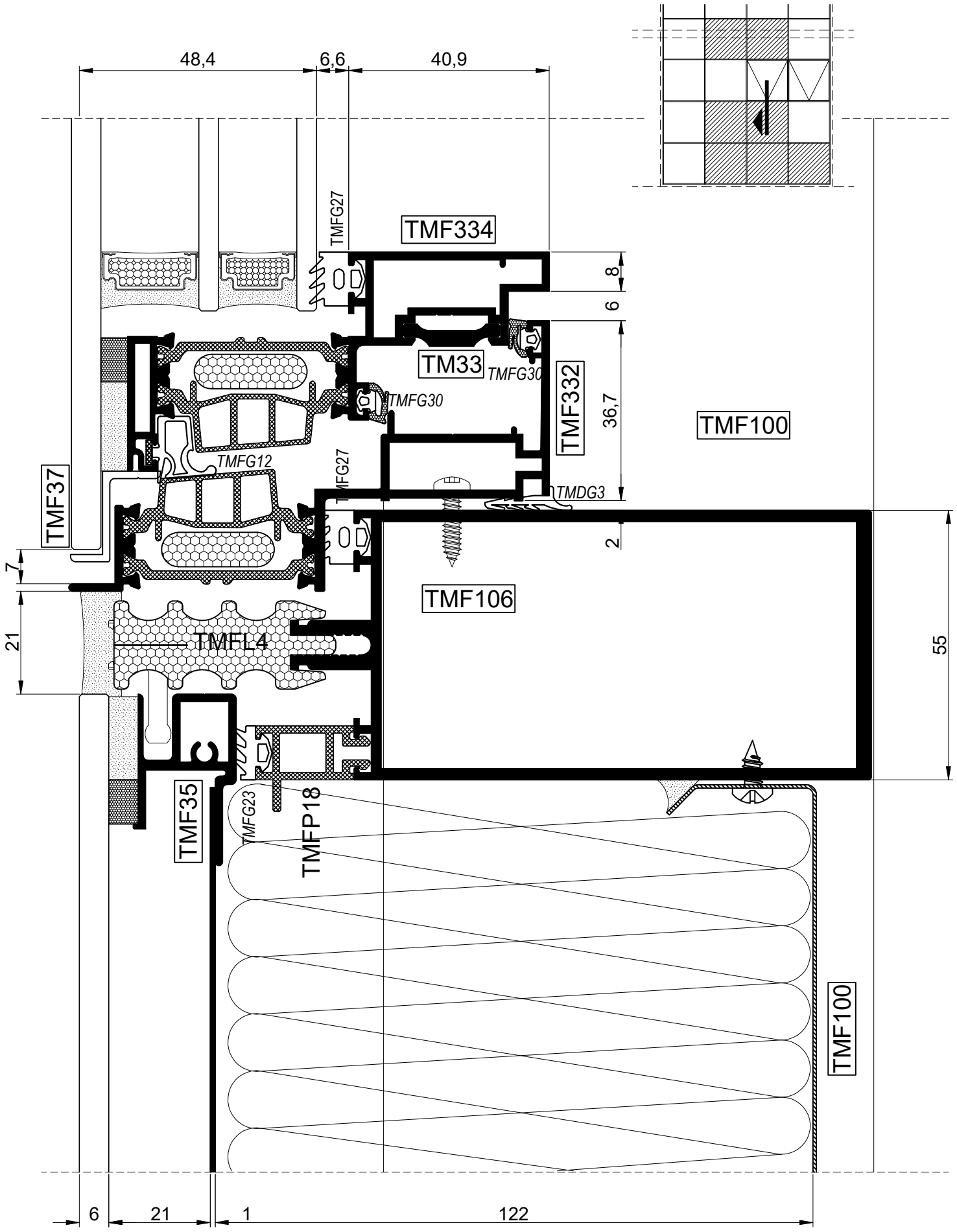


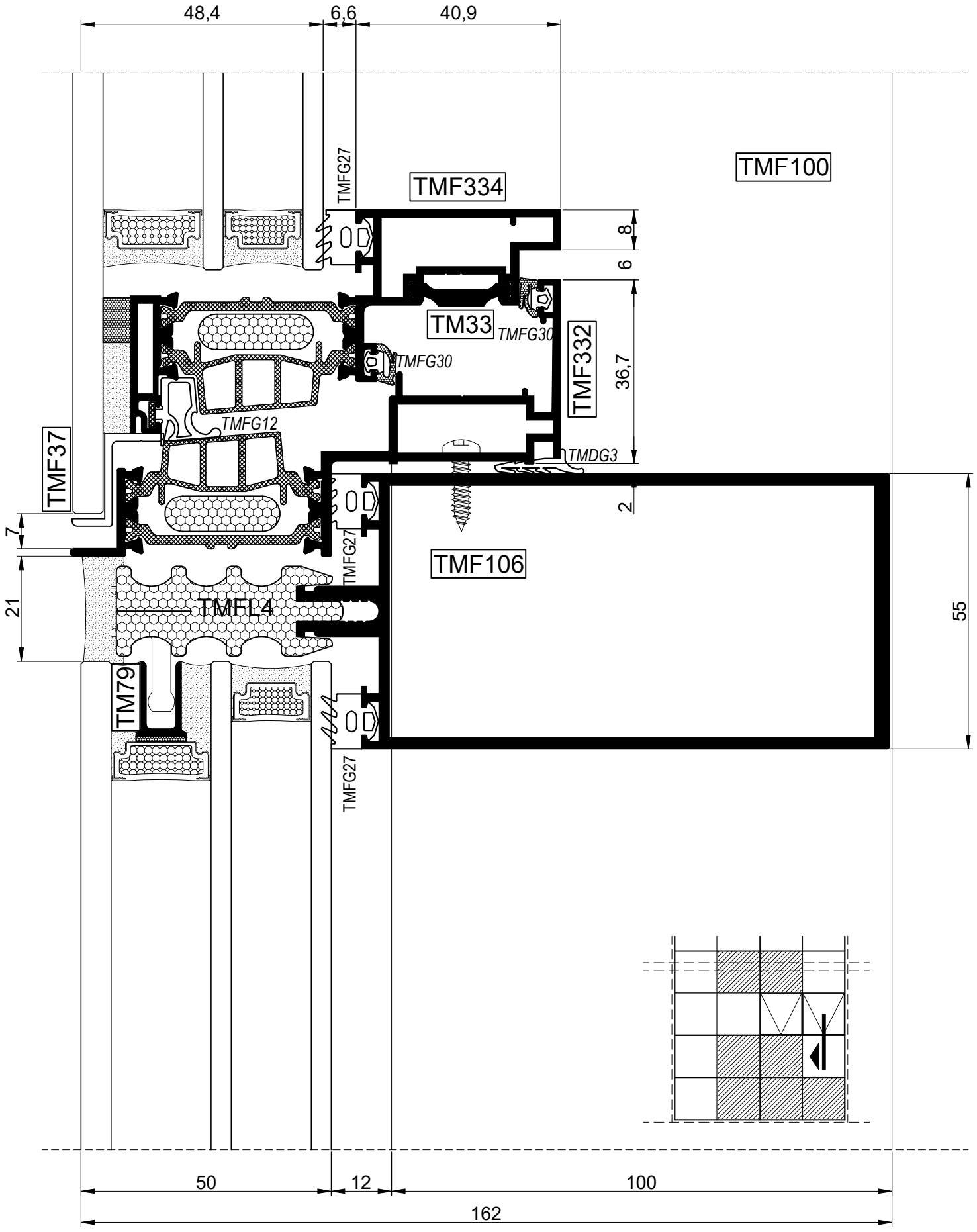

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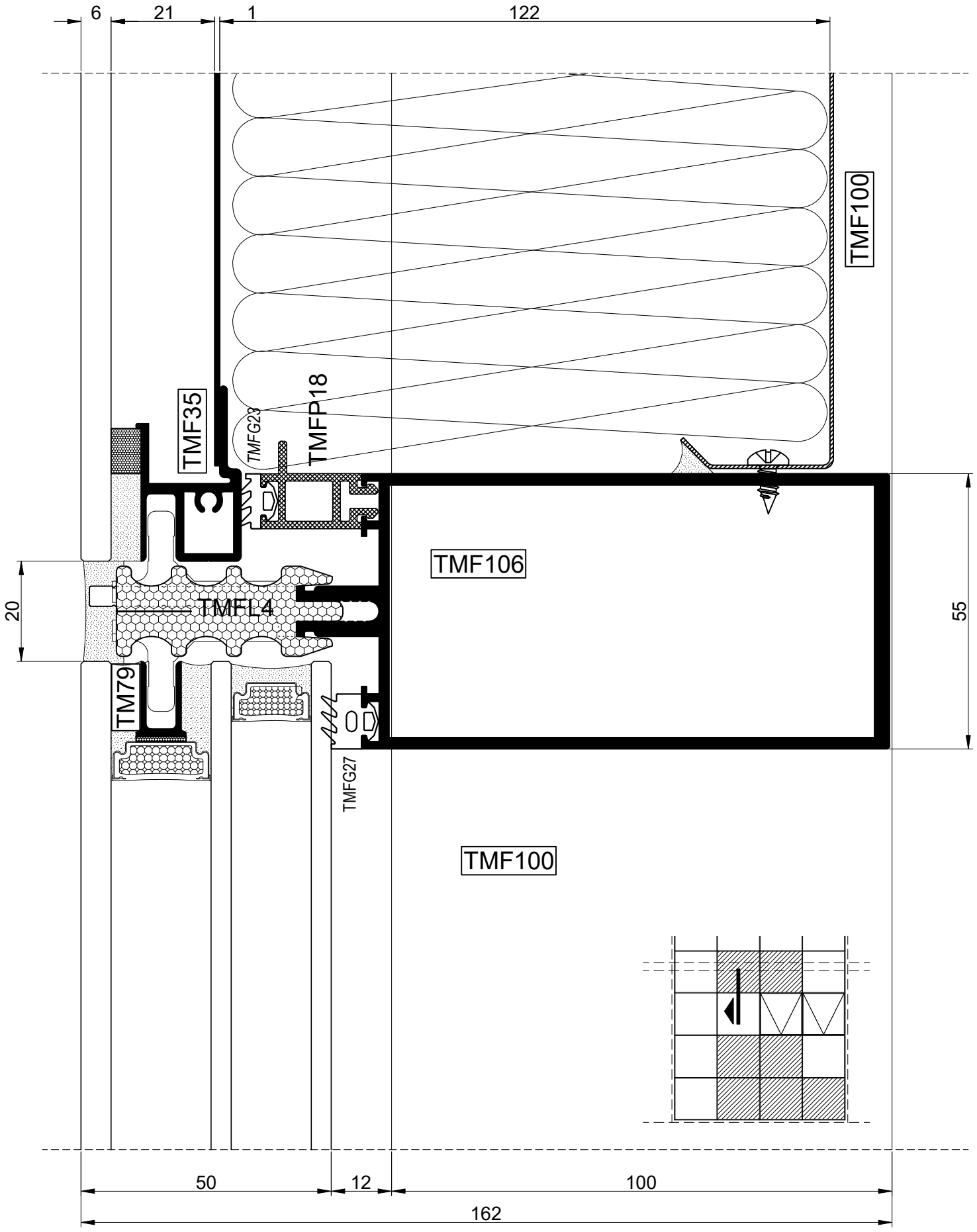

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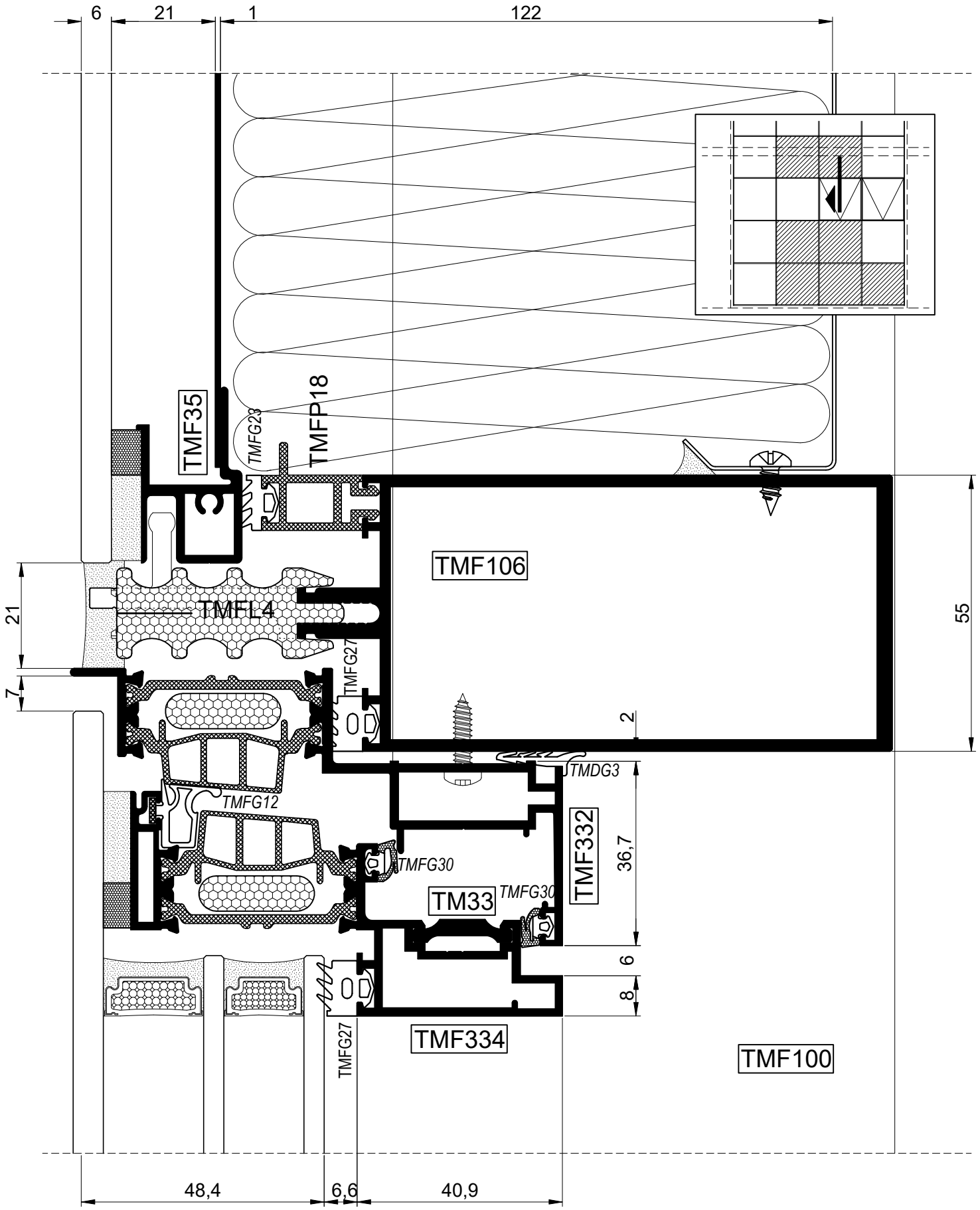

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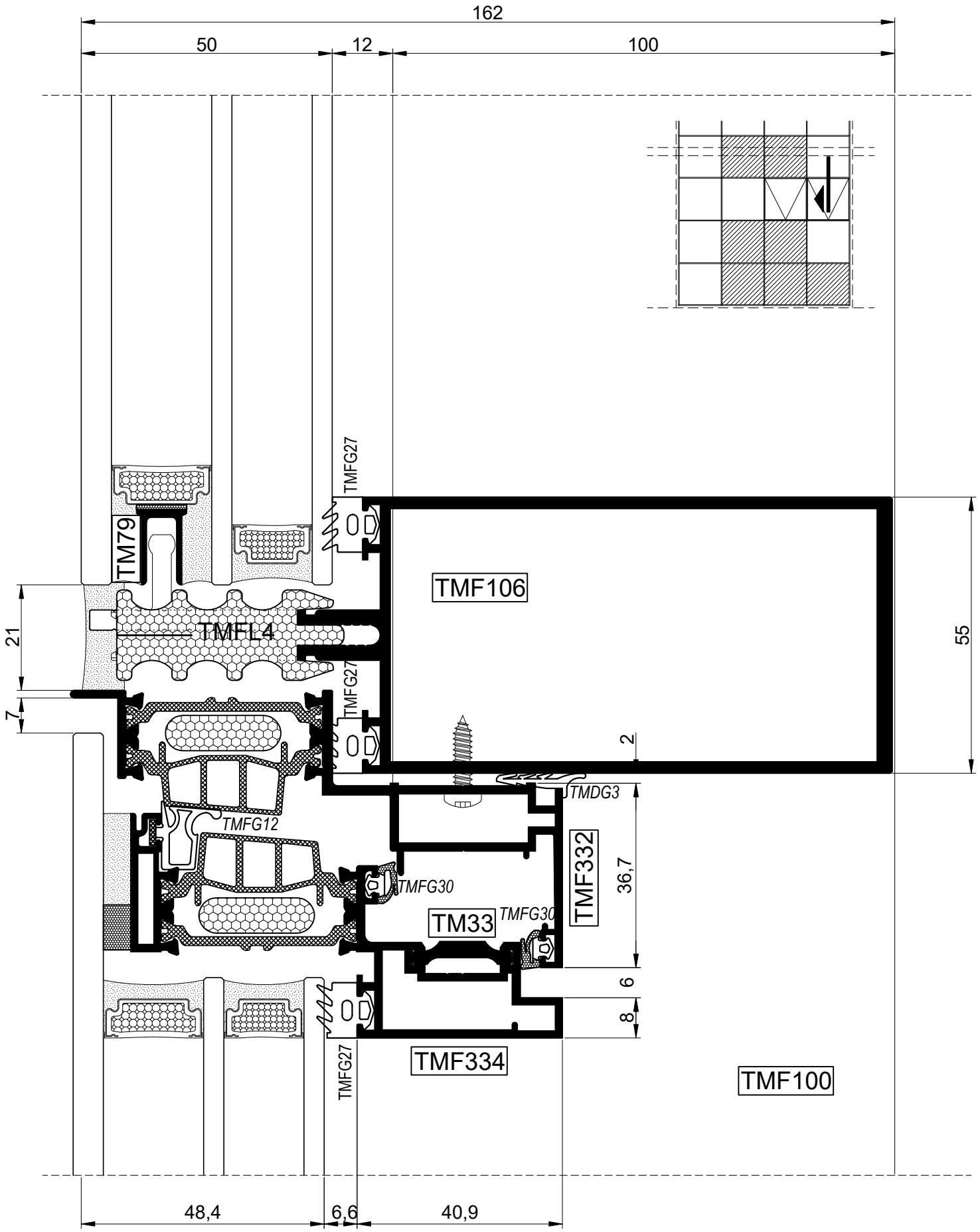

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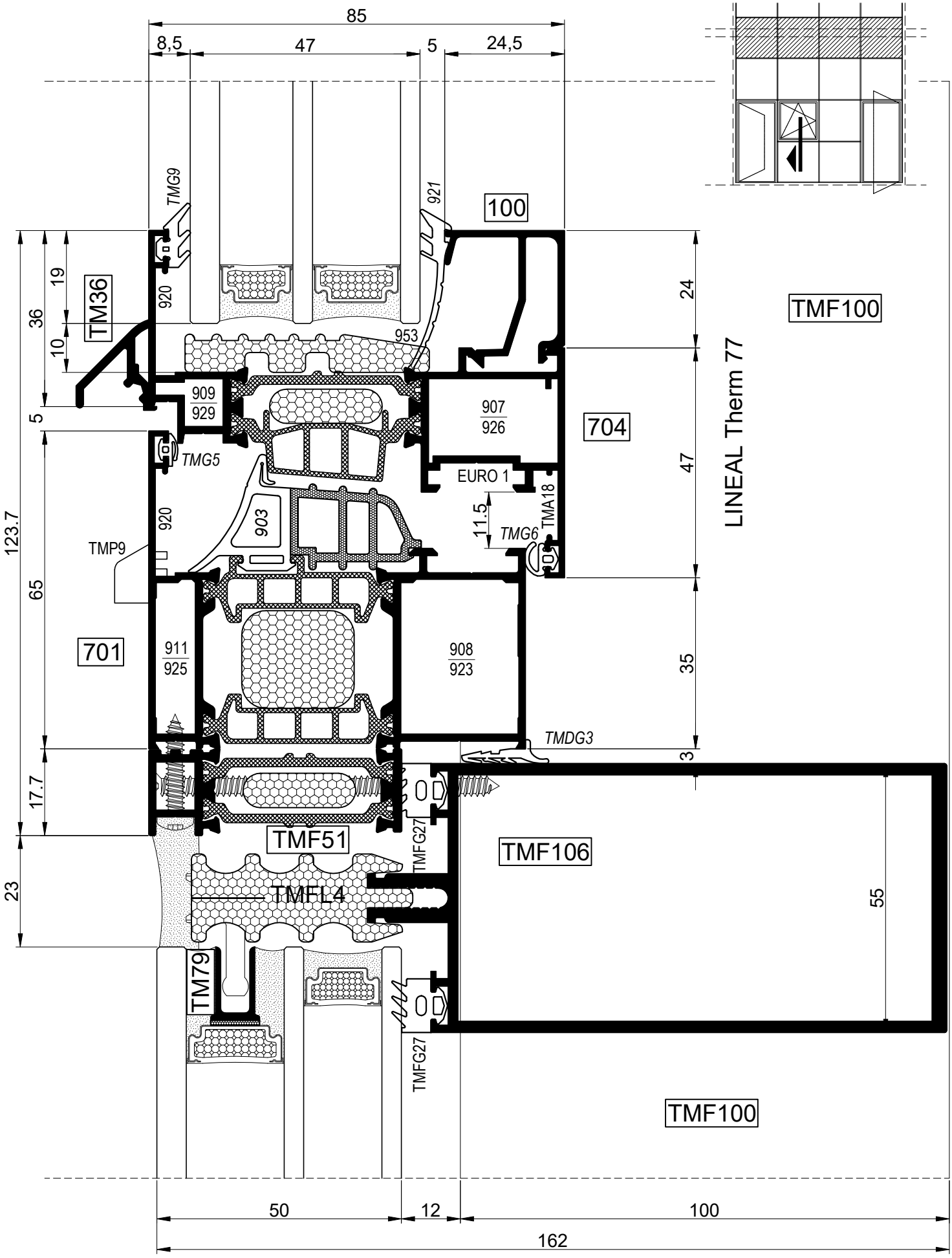

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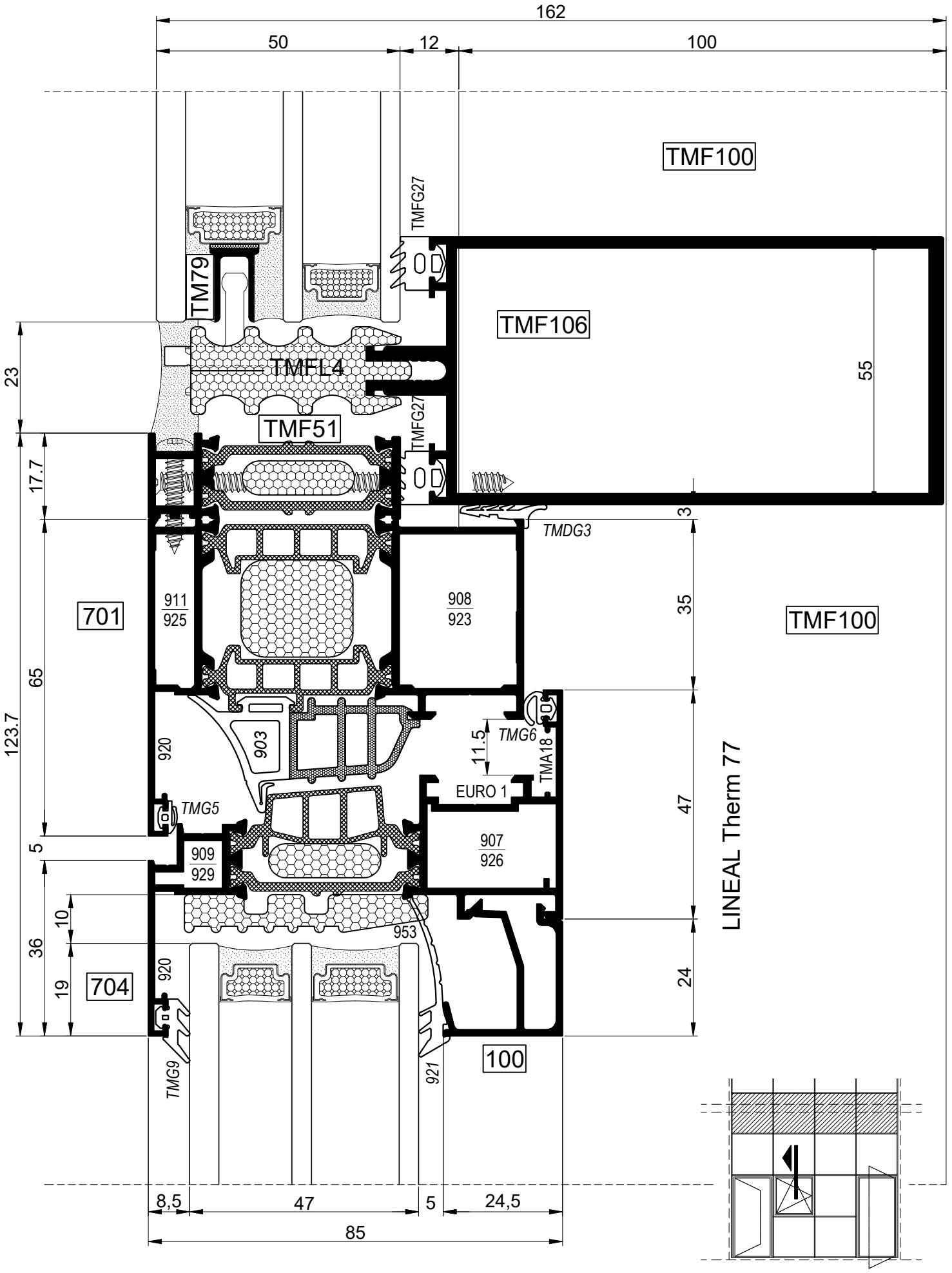

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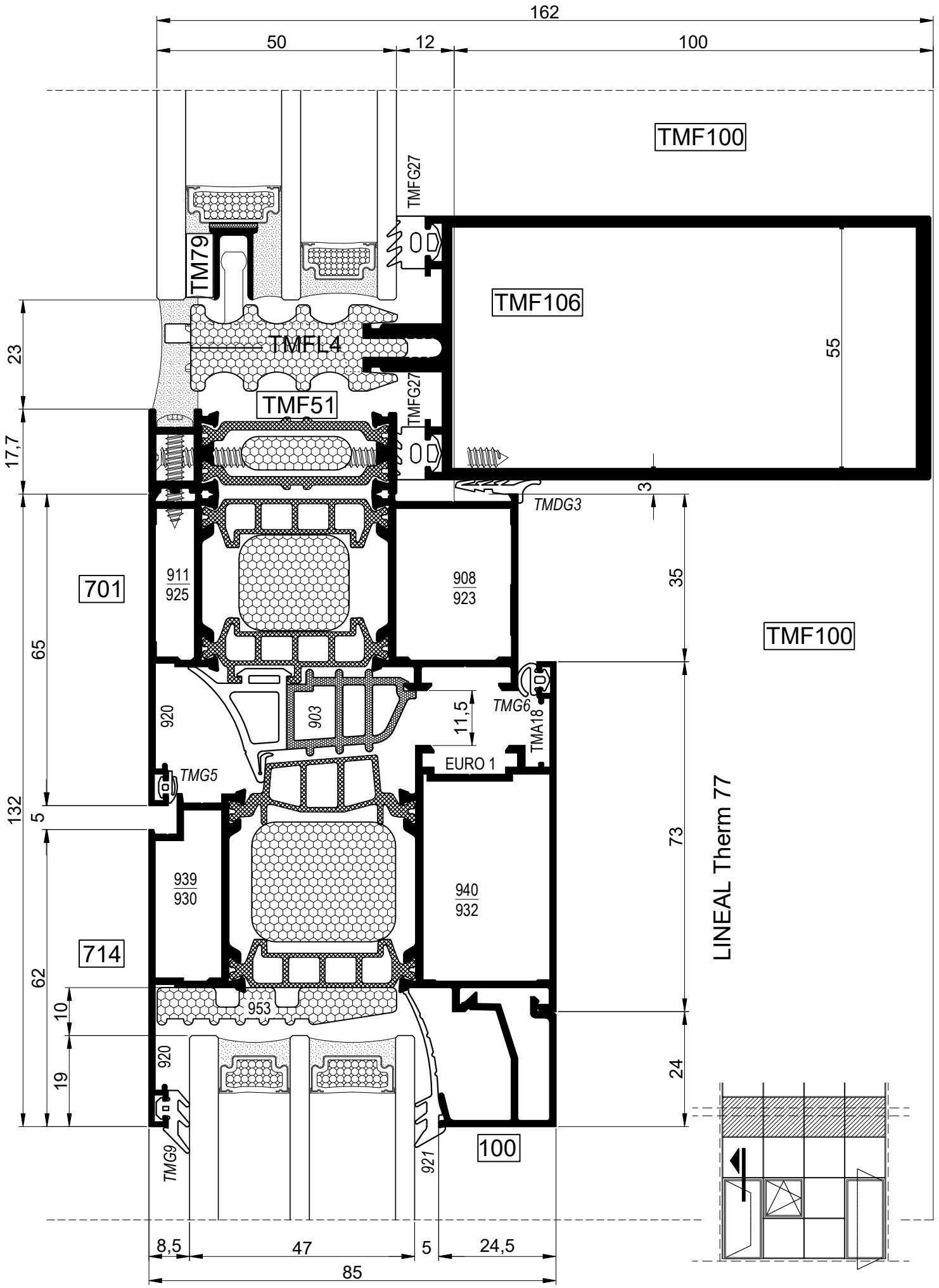

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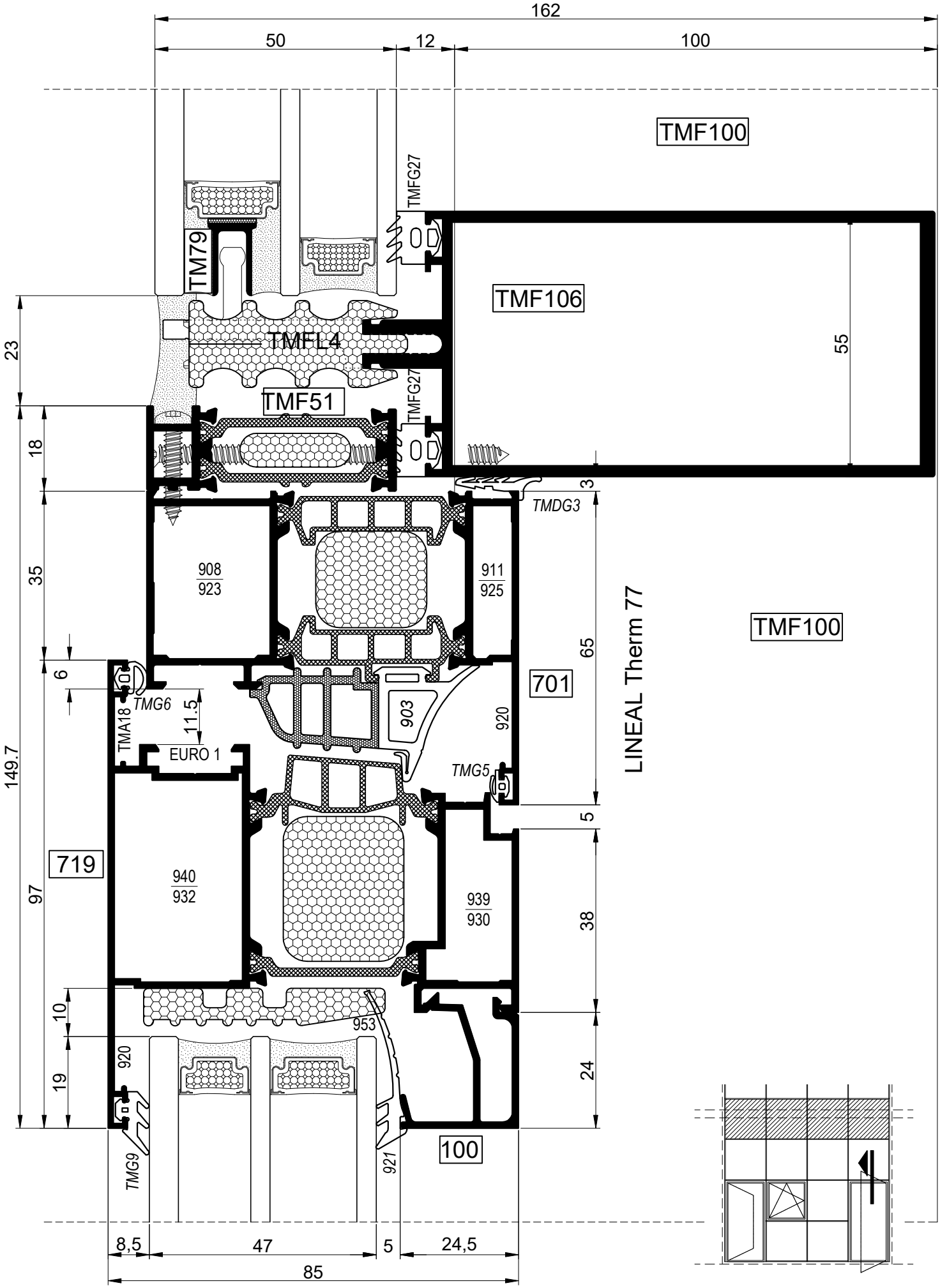

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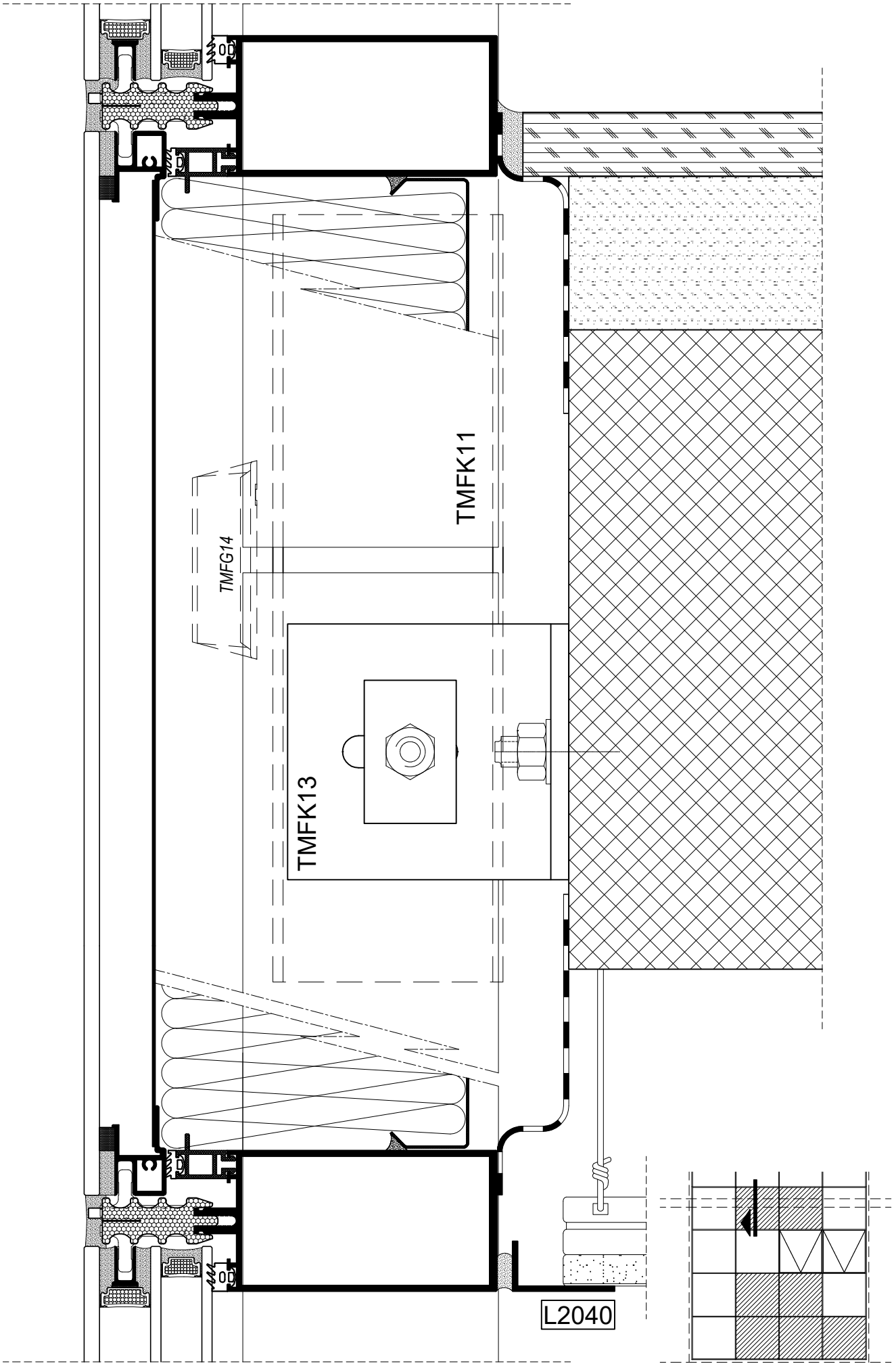

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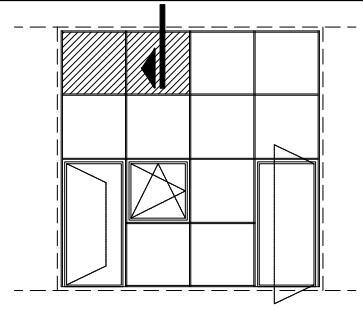

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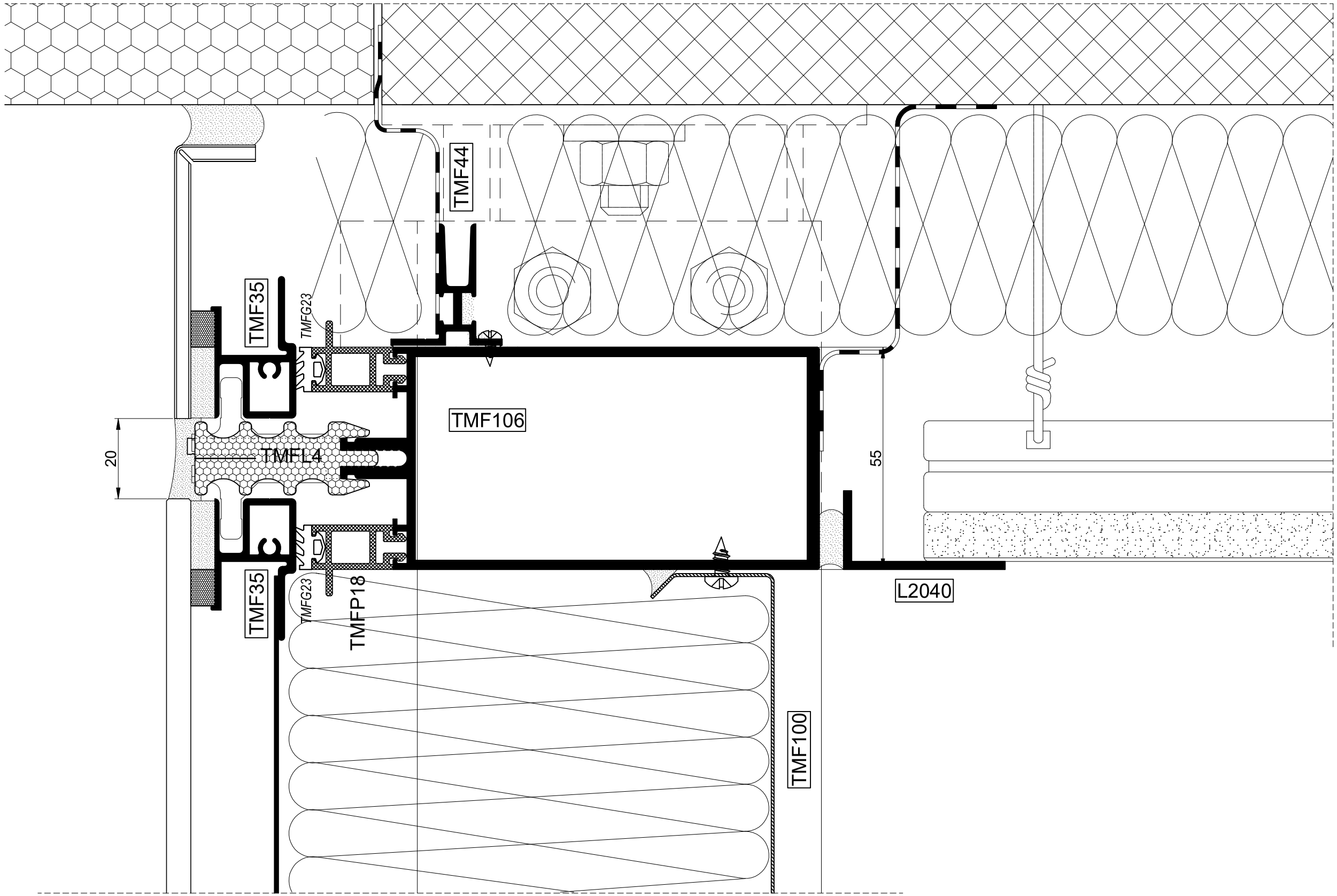

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TMG6
TMA18
EURO 1
TMG5
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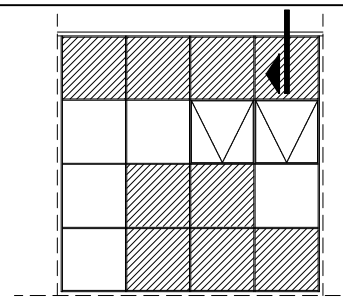

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TMG6
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EURO 1
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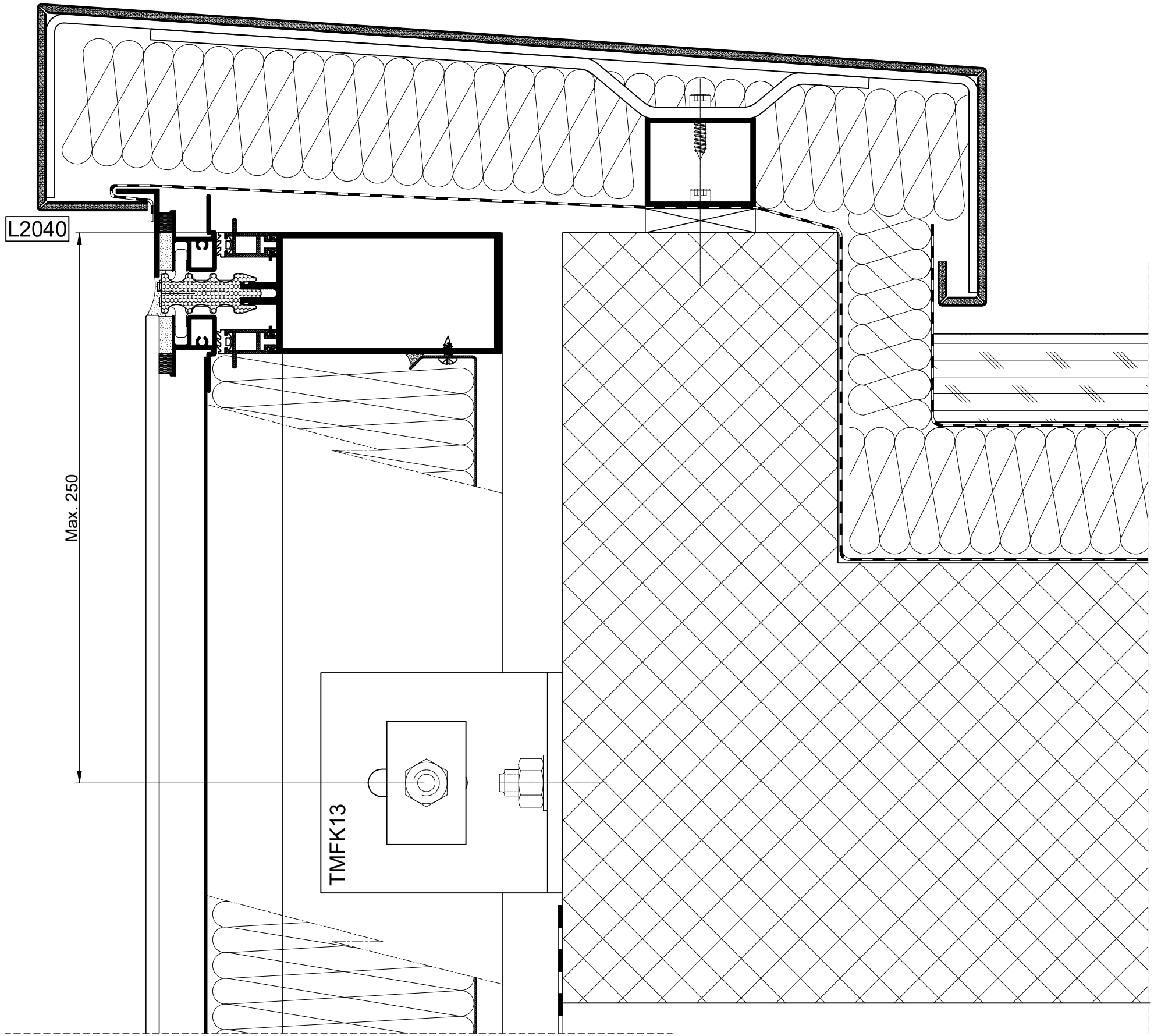

TMFK11
TMFG14
TMFK13
L2040

Strukturalna fasada
Structural facade
Структурная фасад

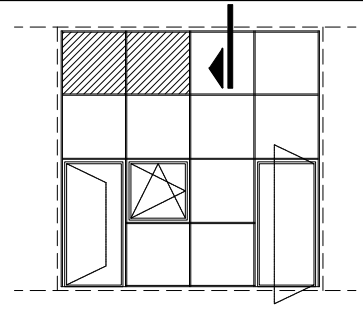


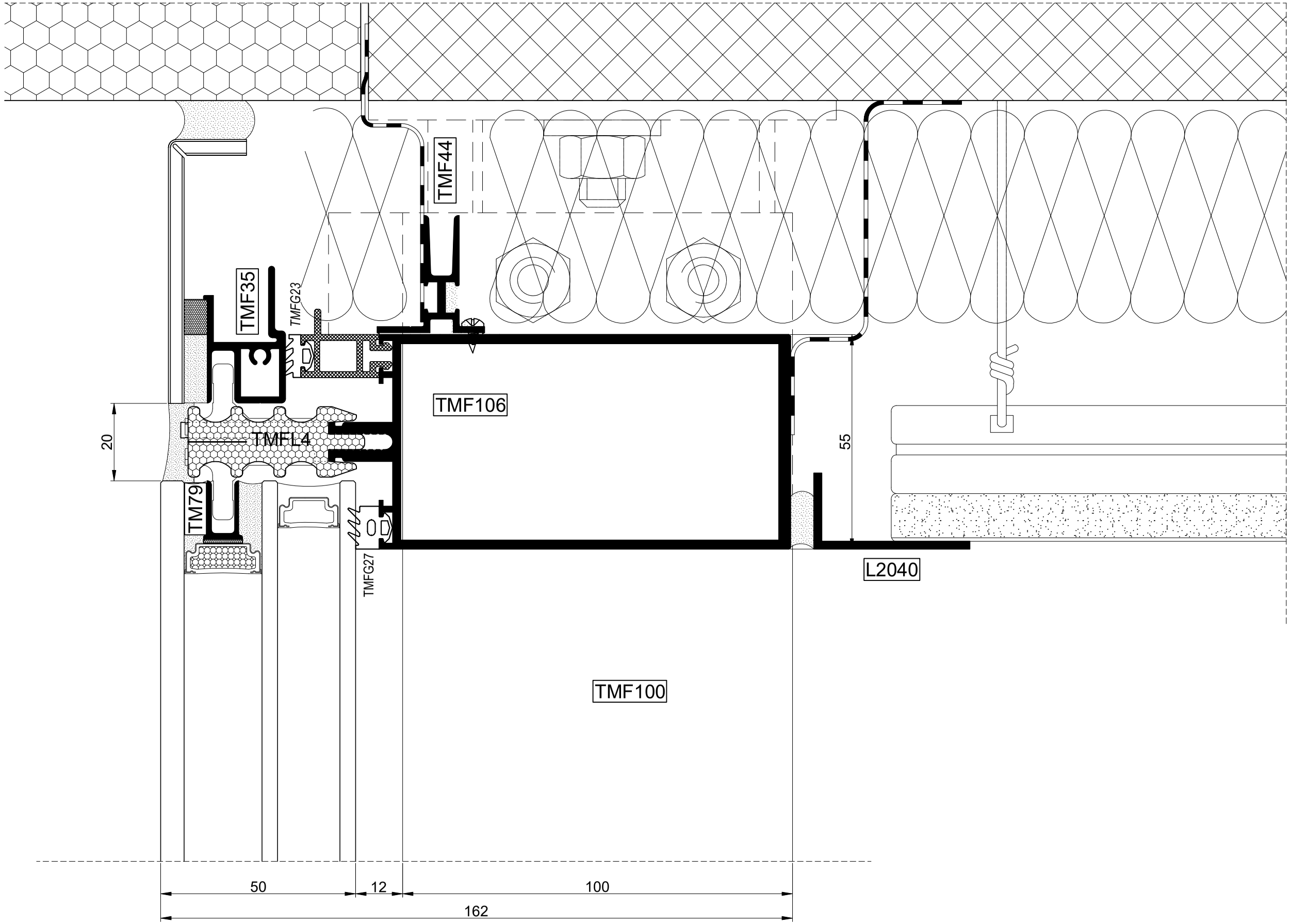


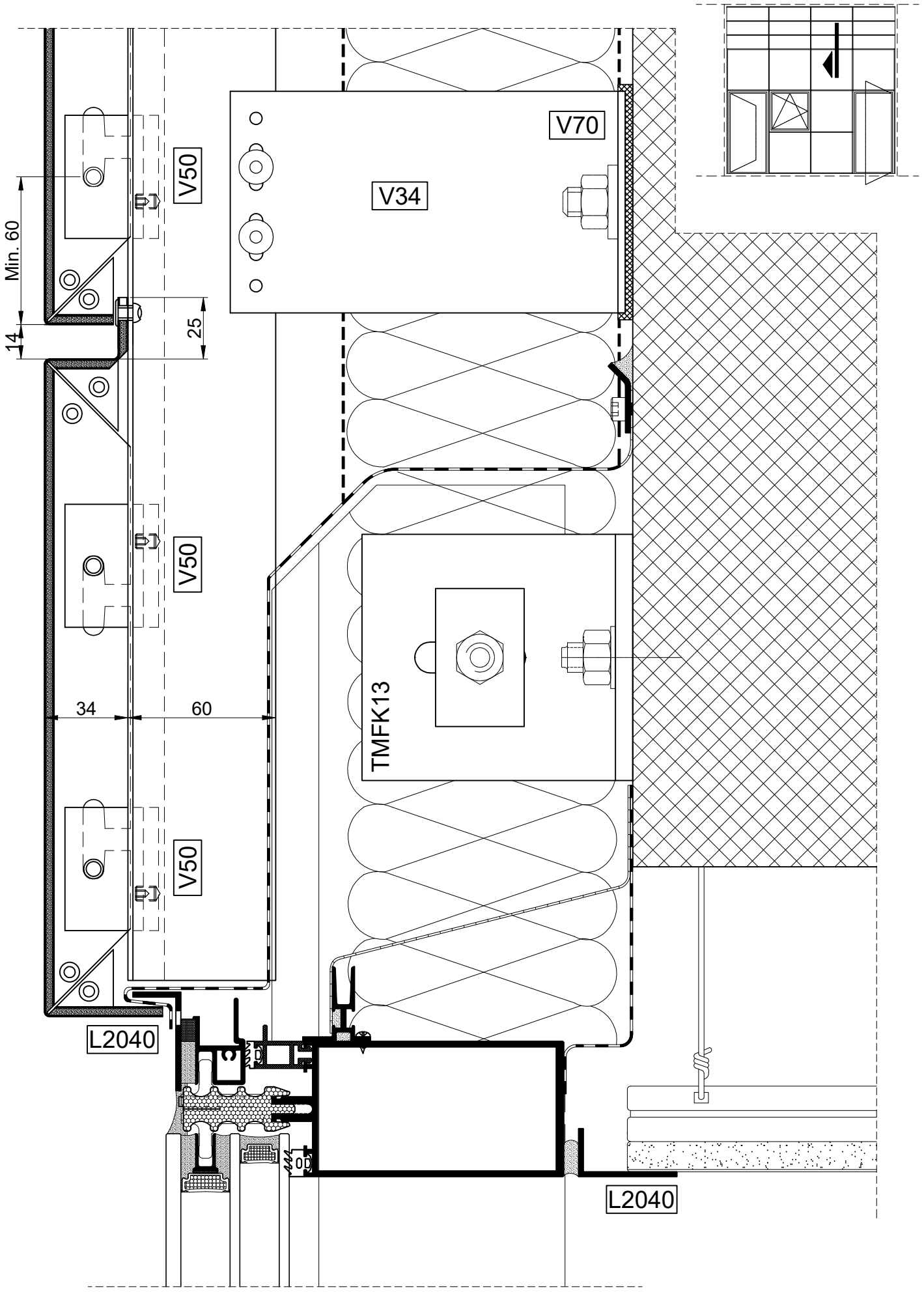



L2040
Max. 250
TMFK13

Strukturalna fasada
Structural facade
Структурная фасад






V70
V34
V50
V50
V50
Min. 60
14
25
34
60
TMFK13
L2040
L2040

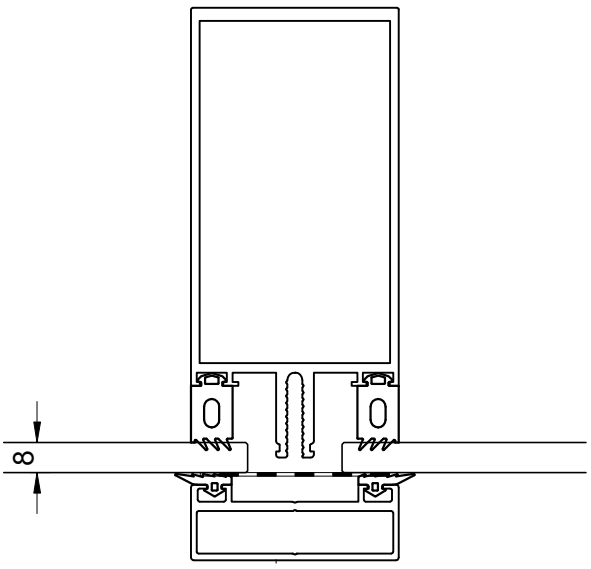
Sistem
System
Система

ALUMINIK CS55

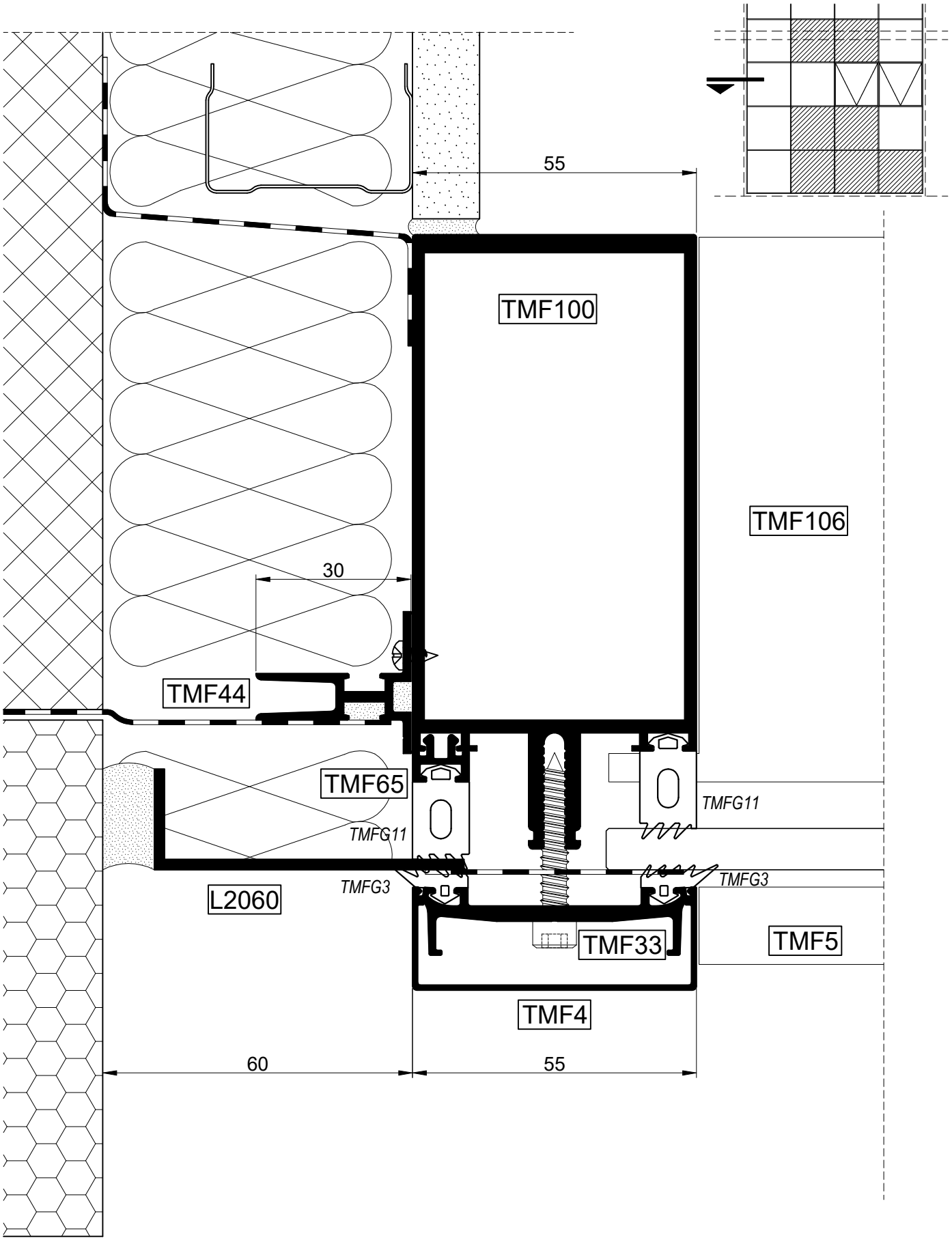
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Continual facade
Непрерывный фасад

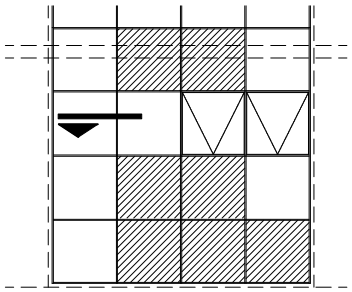
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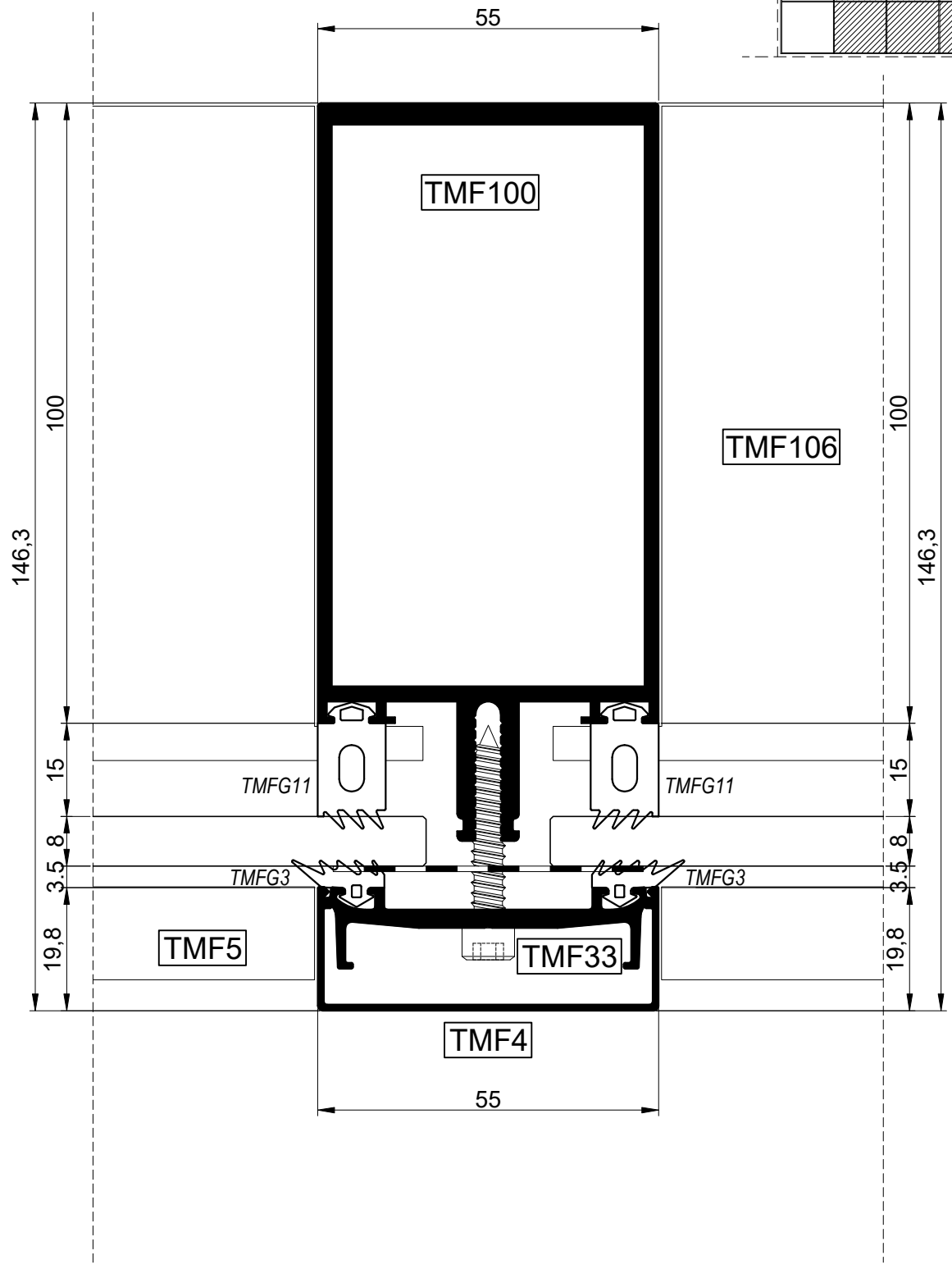
Jednoslojno ostakljenje
Single glazing
Одинарное остекление

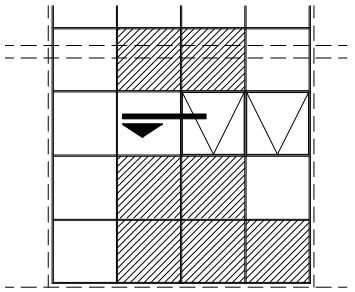


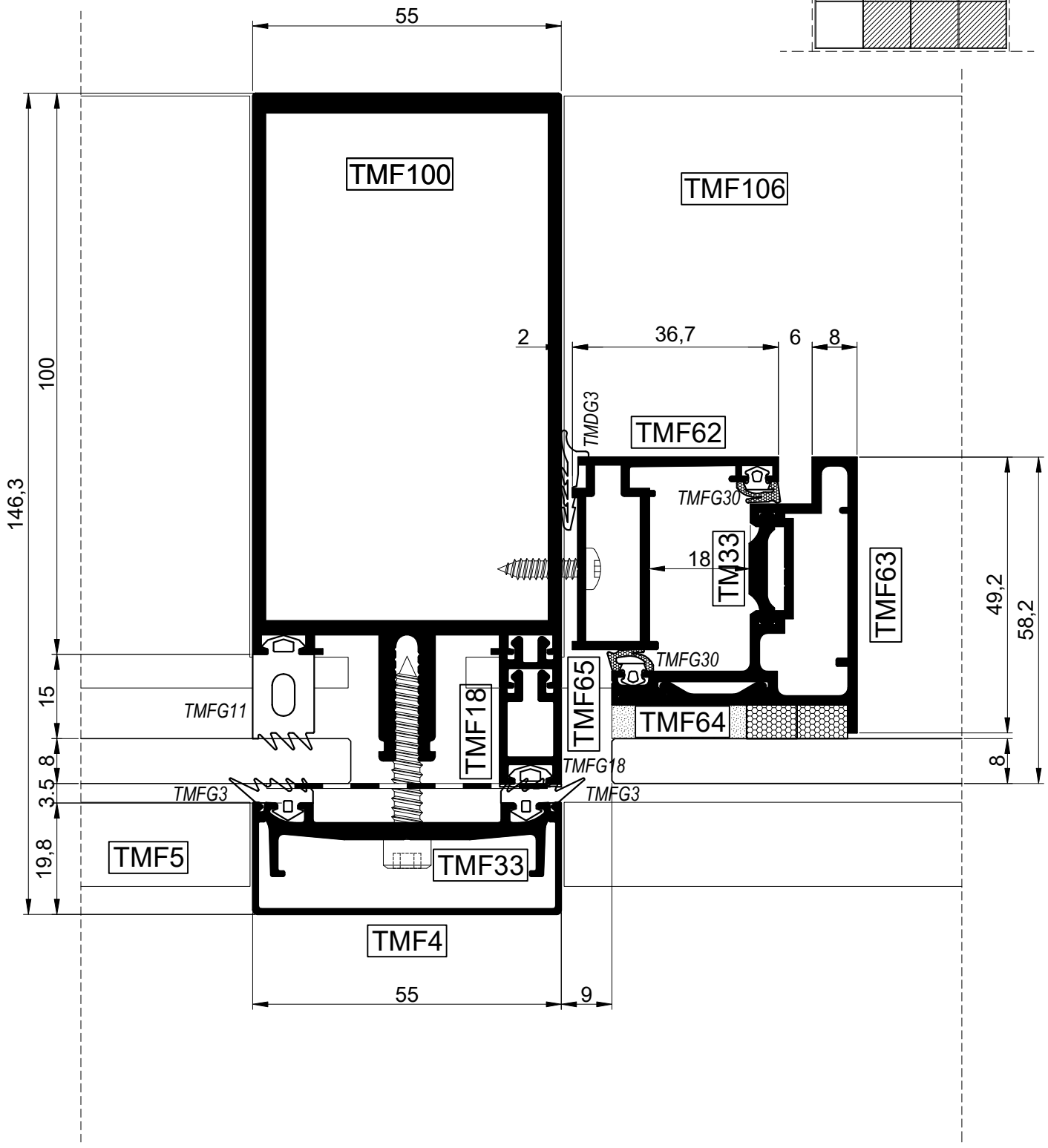
Pokrivna kapa
Cover cap
Торцевая крышка

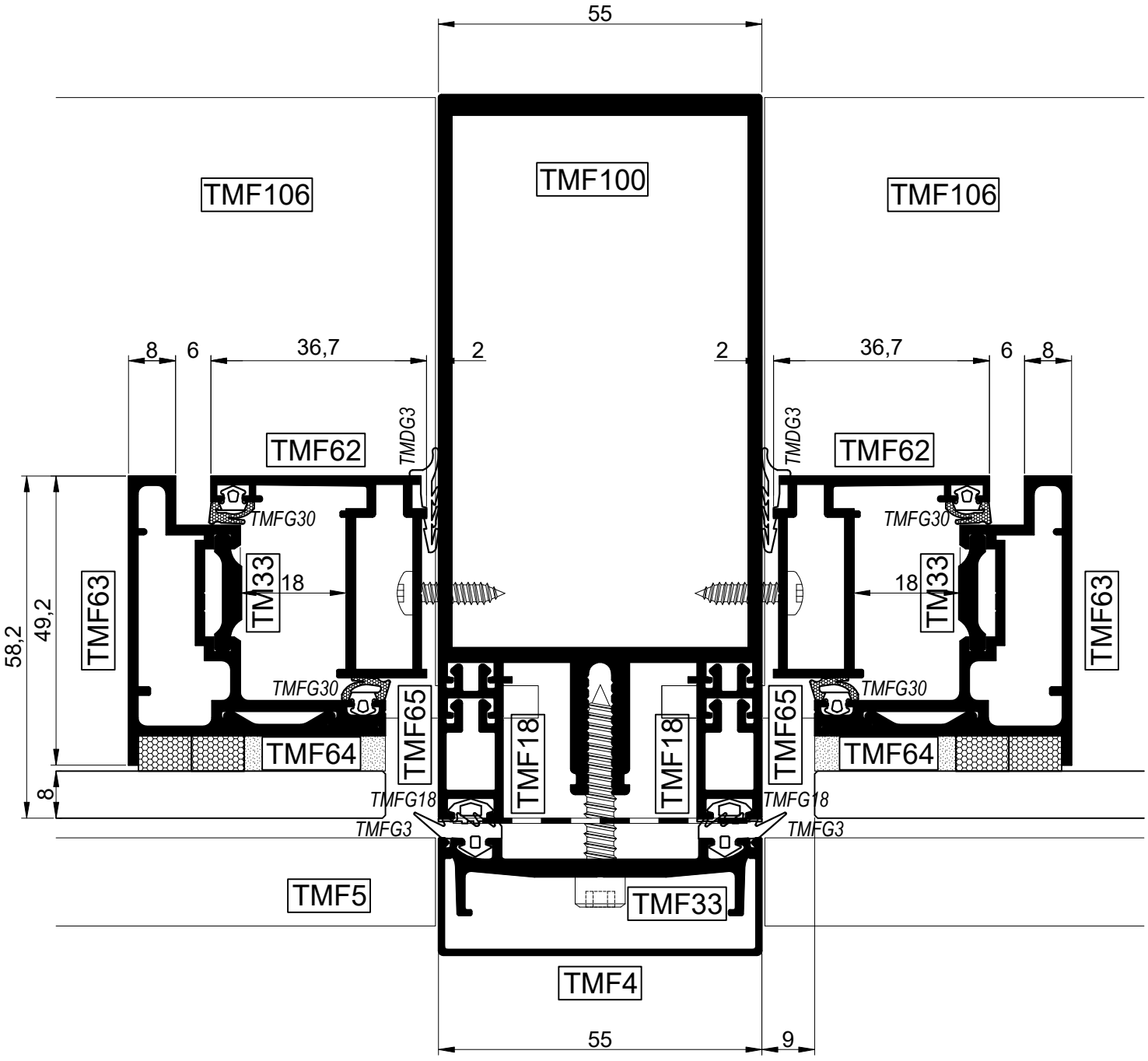

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TMFG3
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L2060
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TMF4
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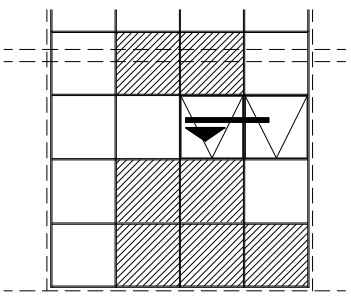


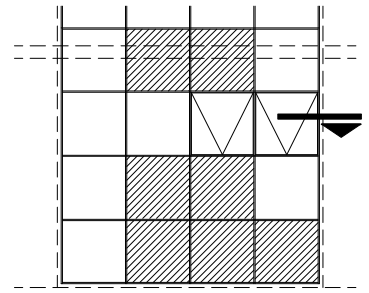

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146,3
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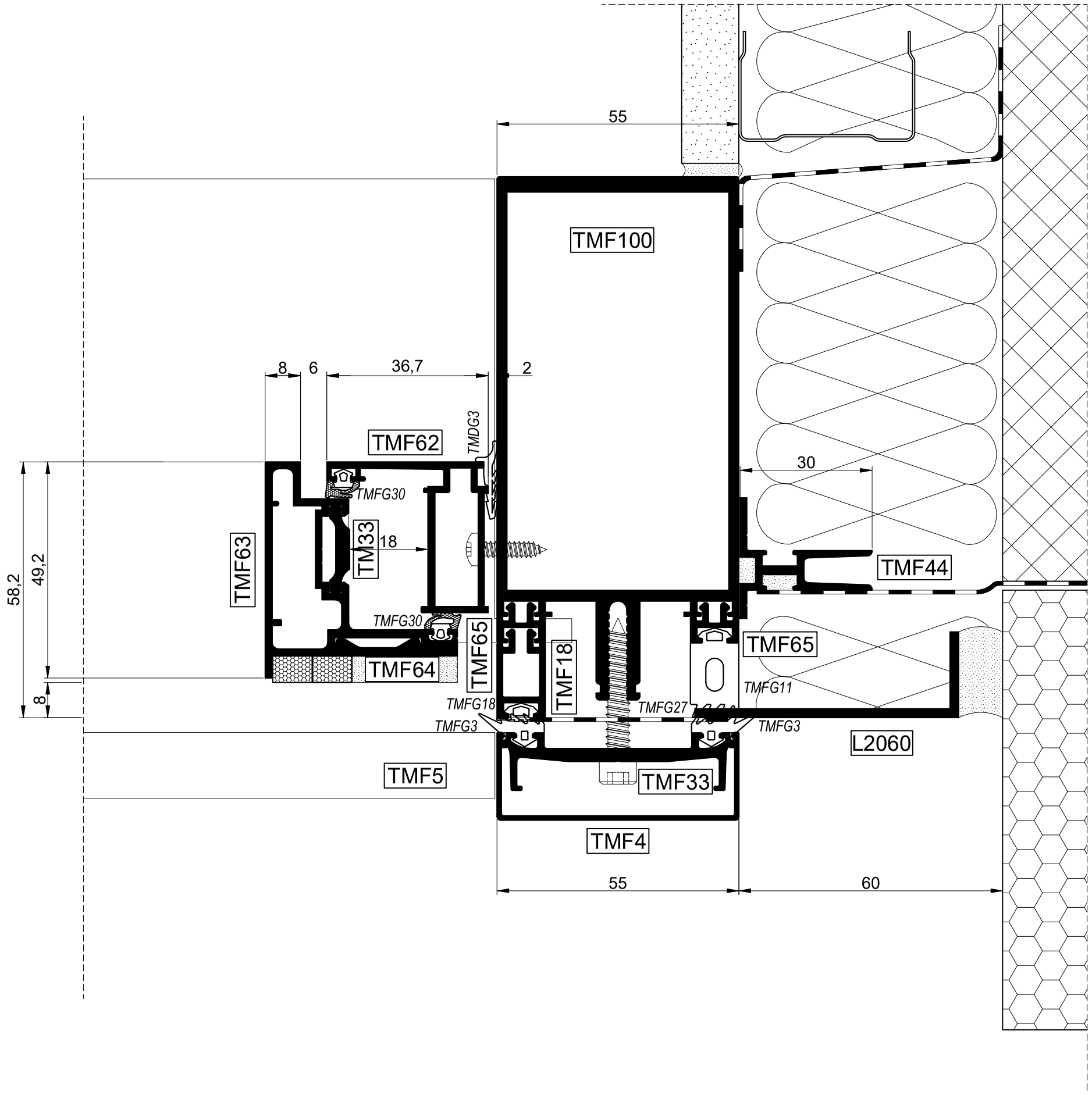


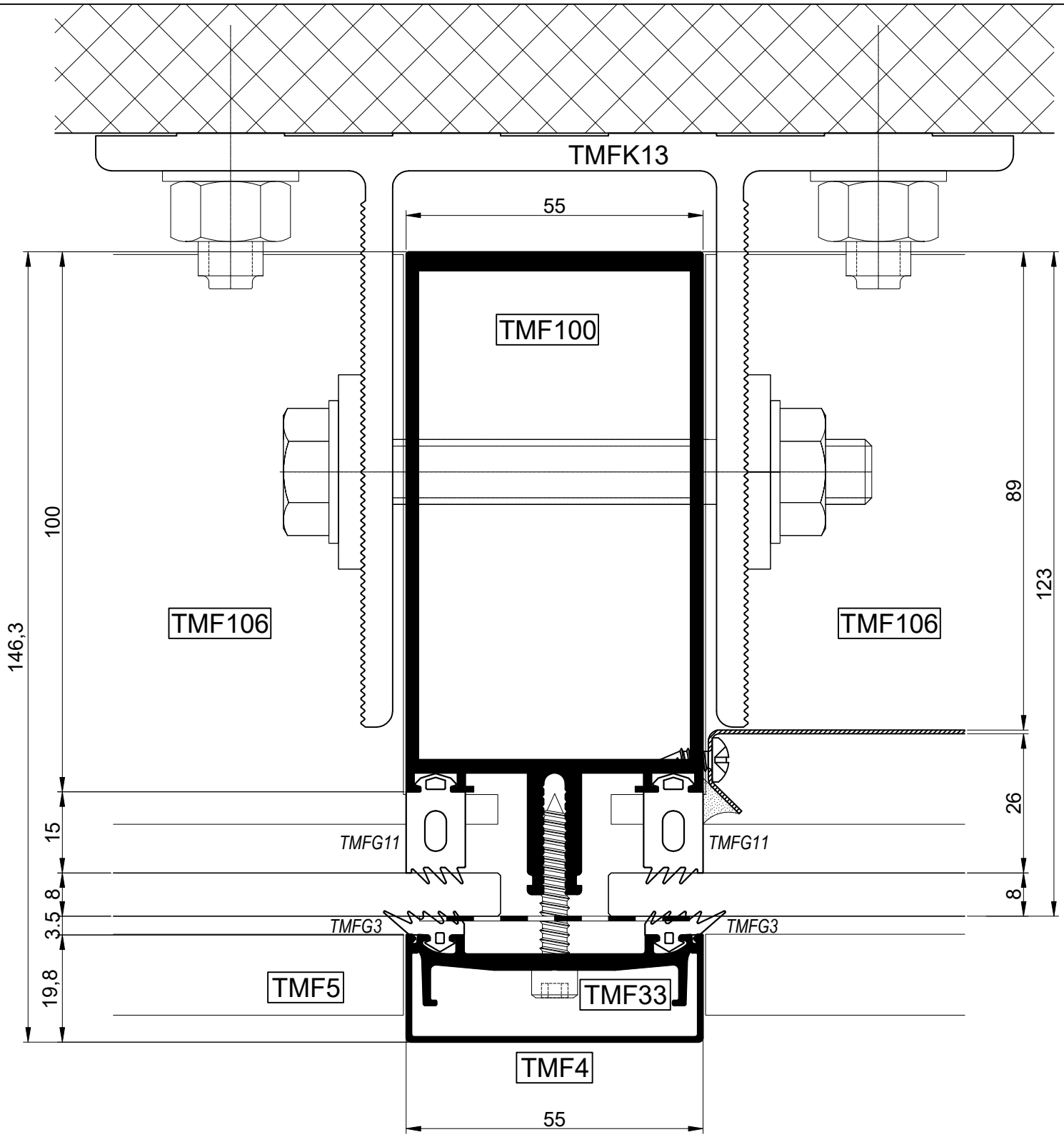

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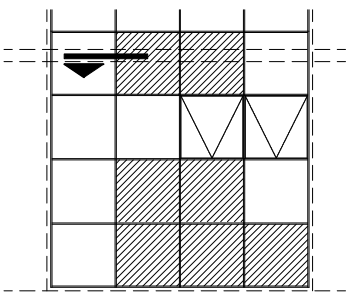

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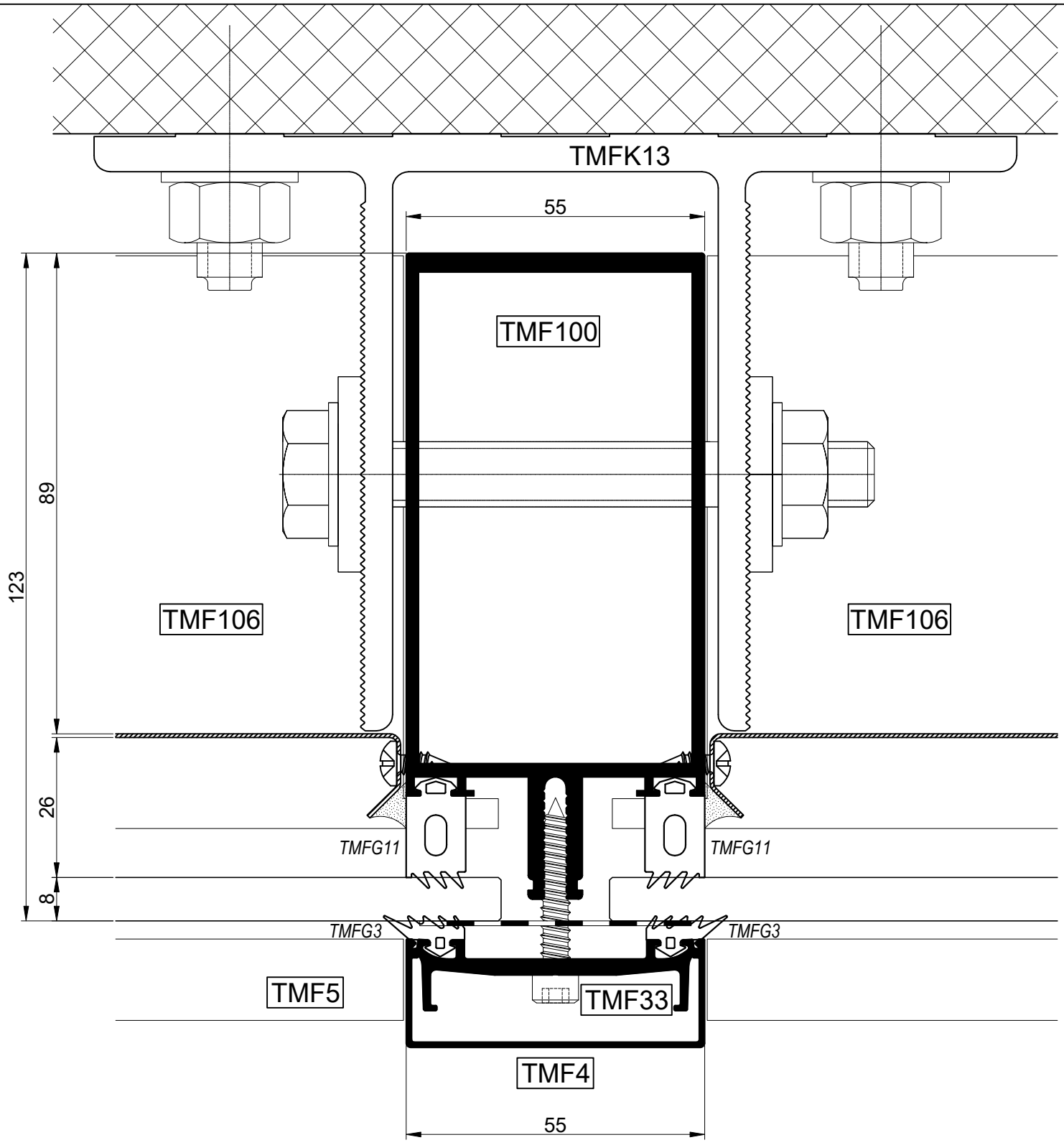


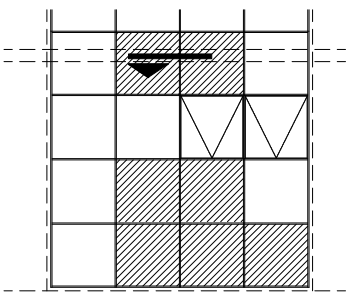


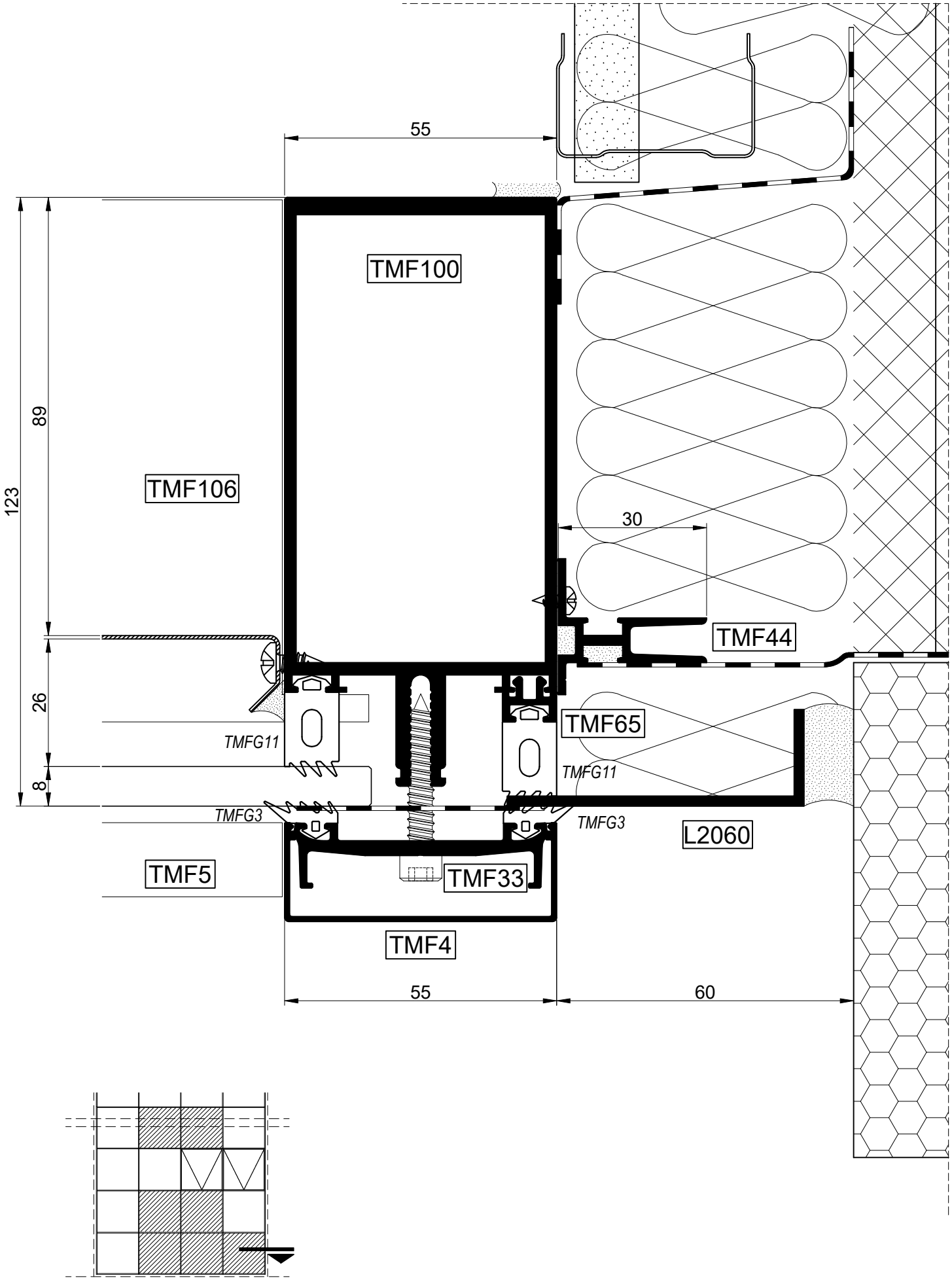

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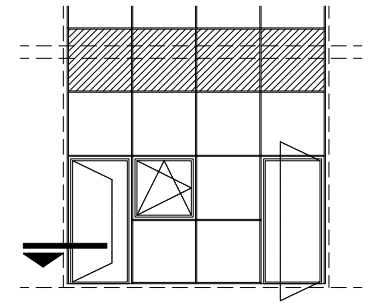

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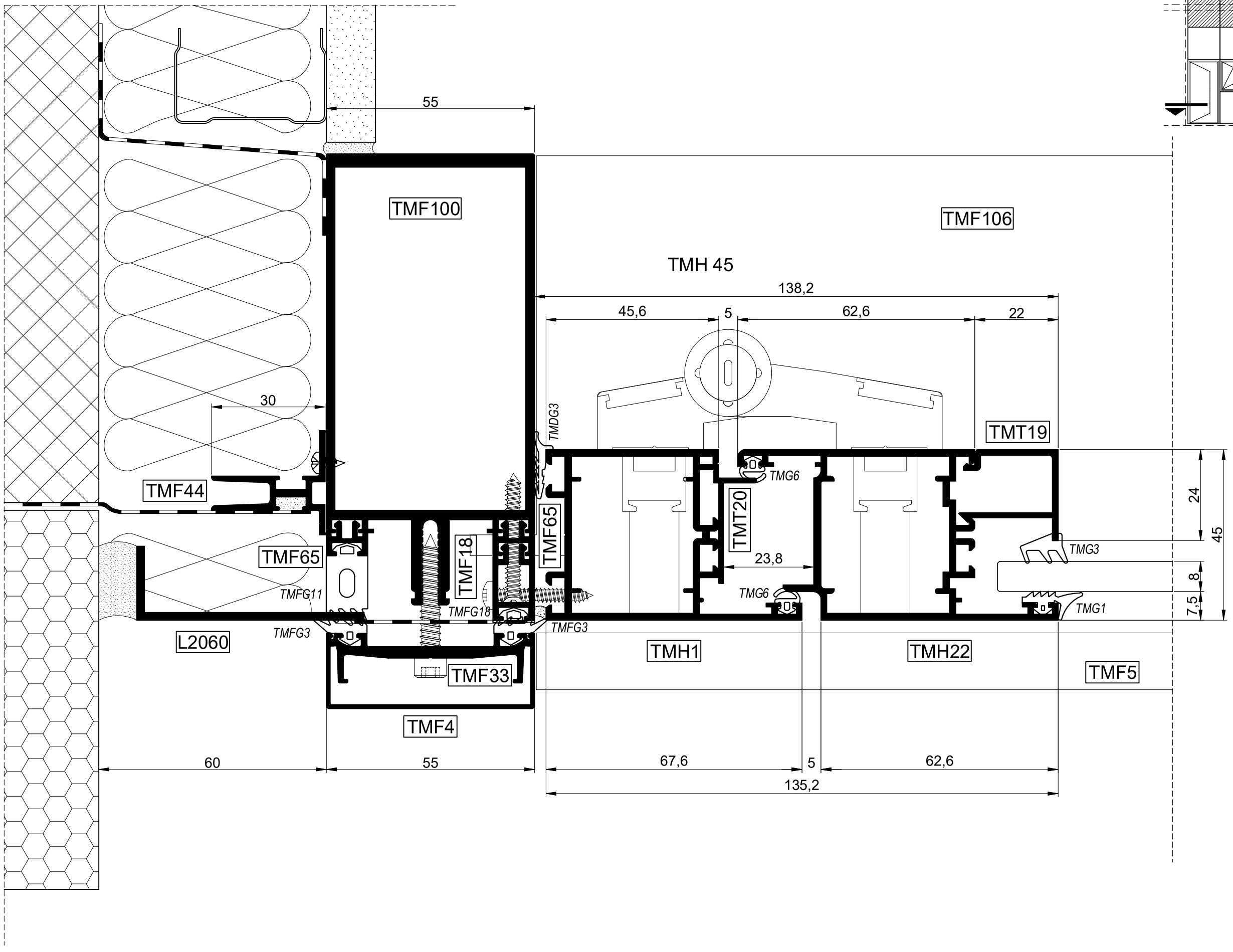


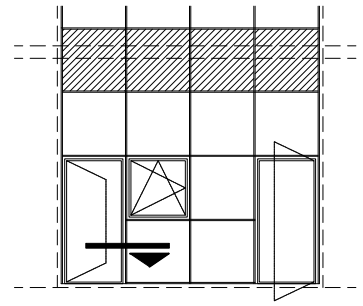

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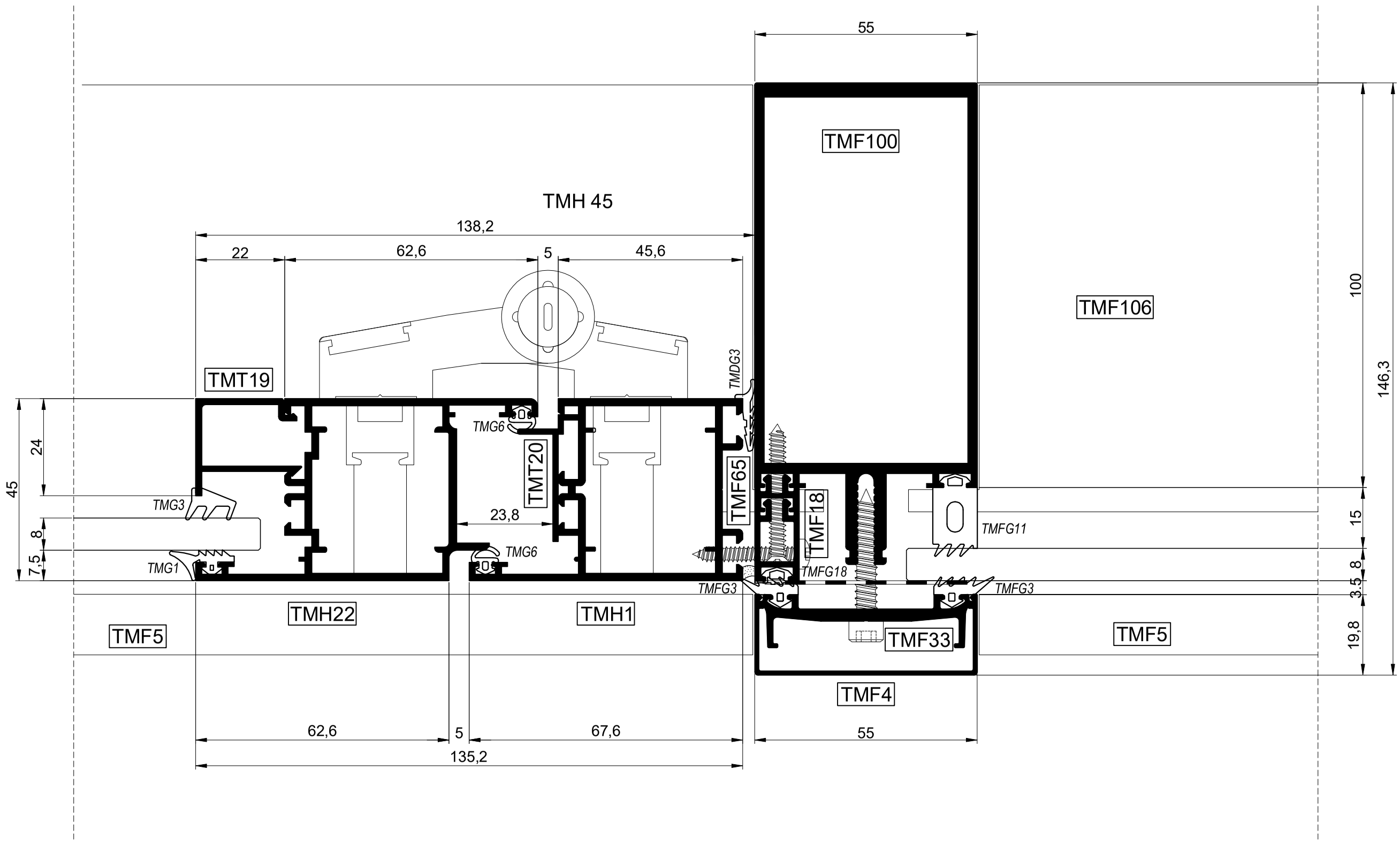


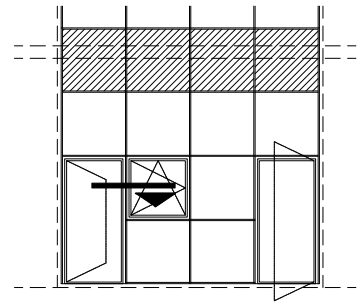

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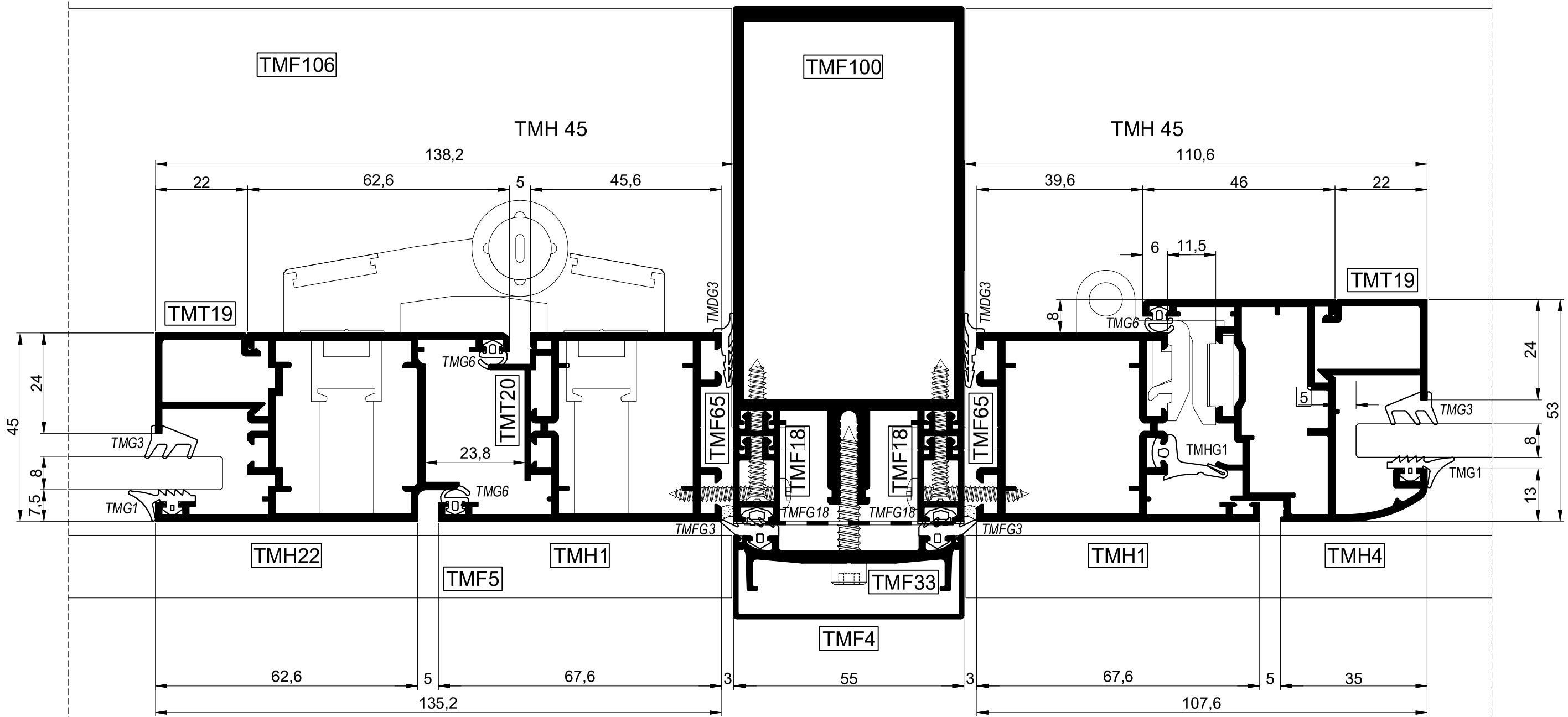


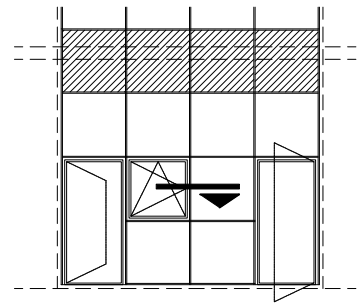

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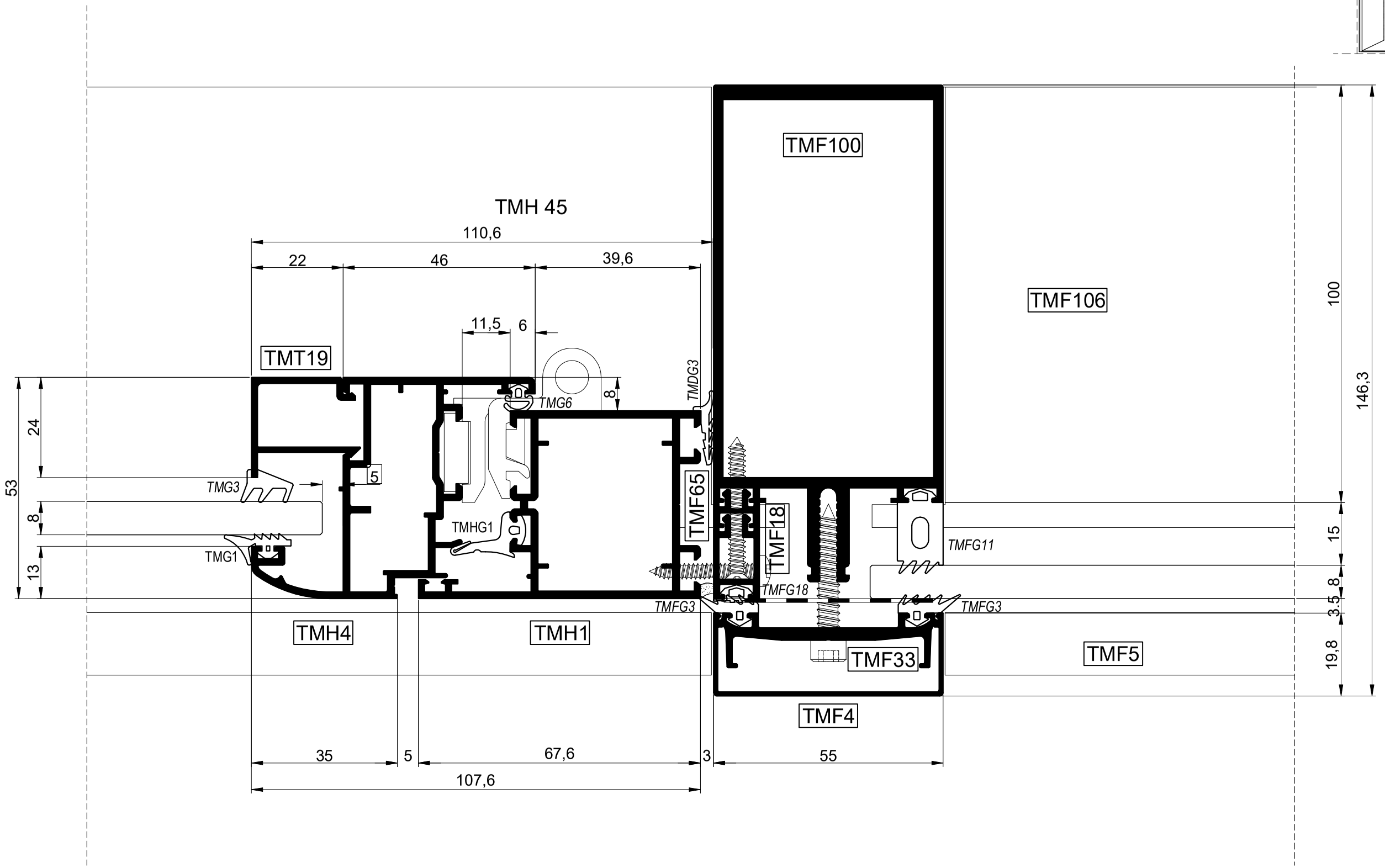


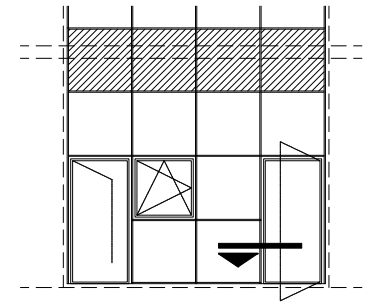

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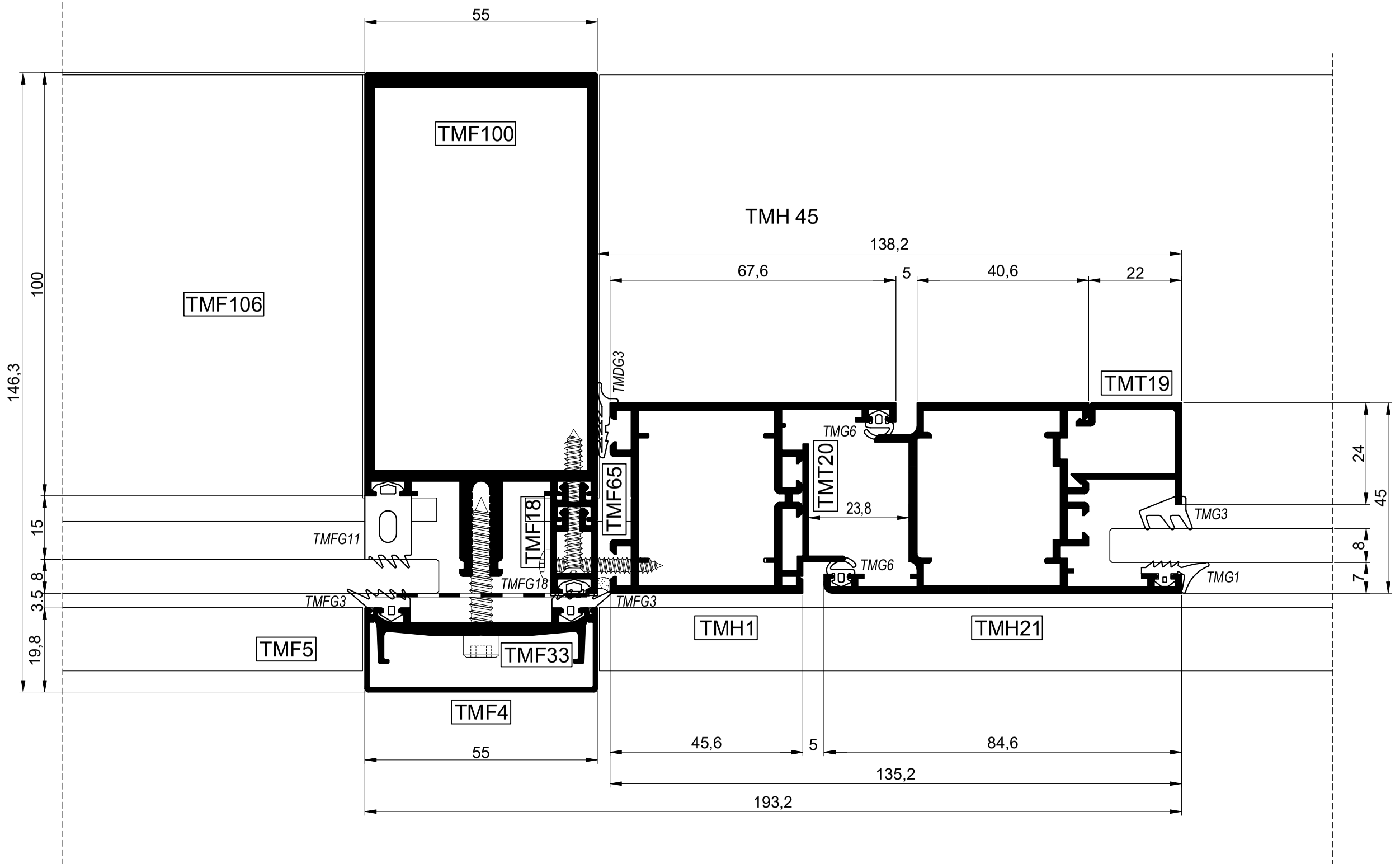


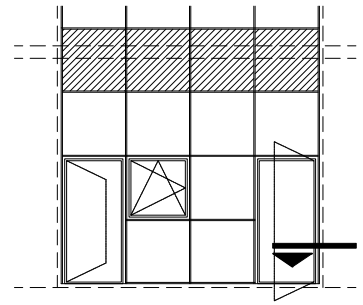

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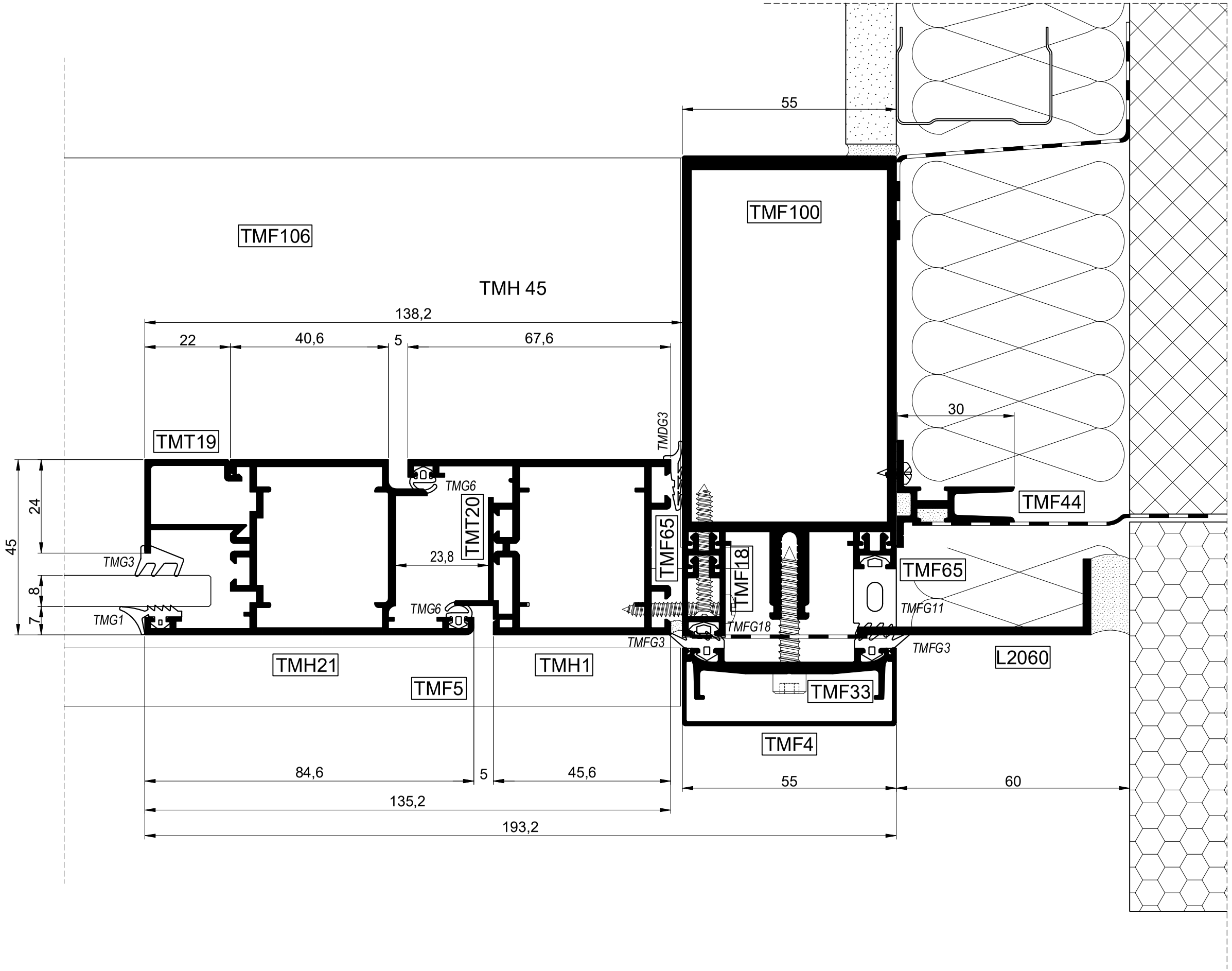


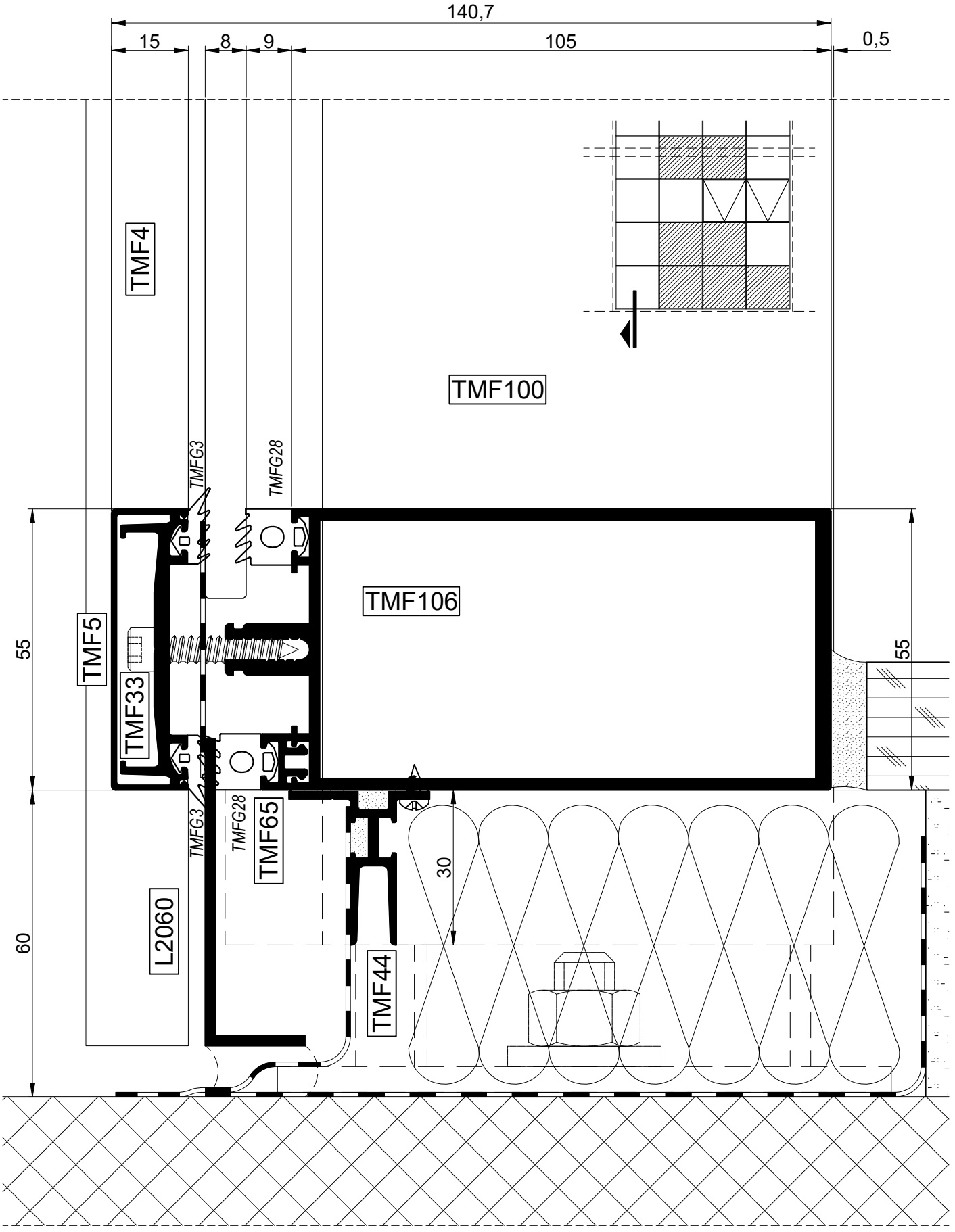

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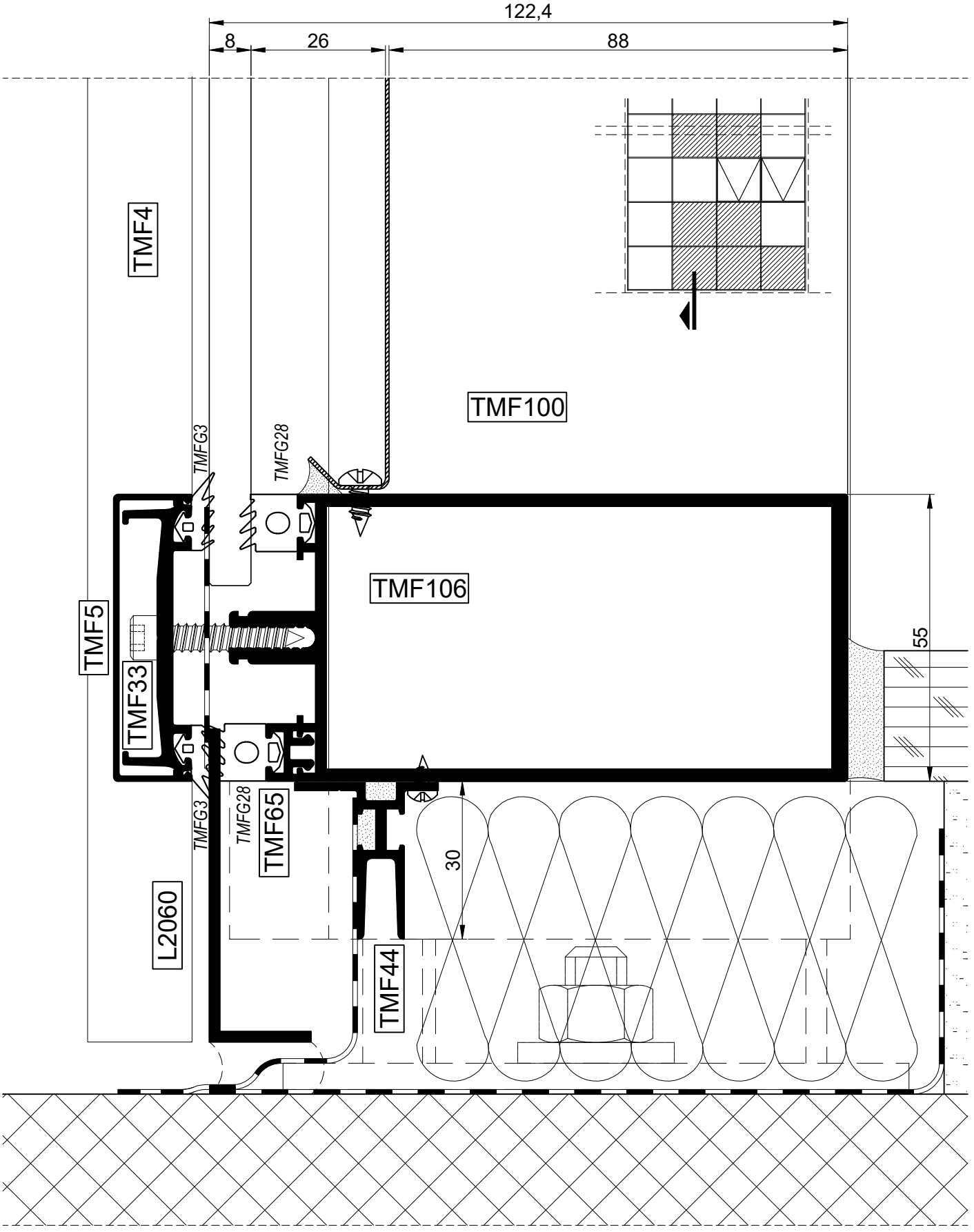


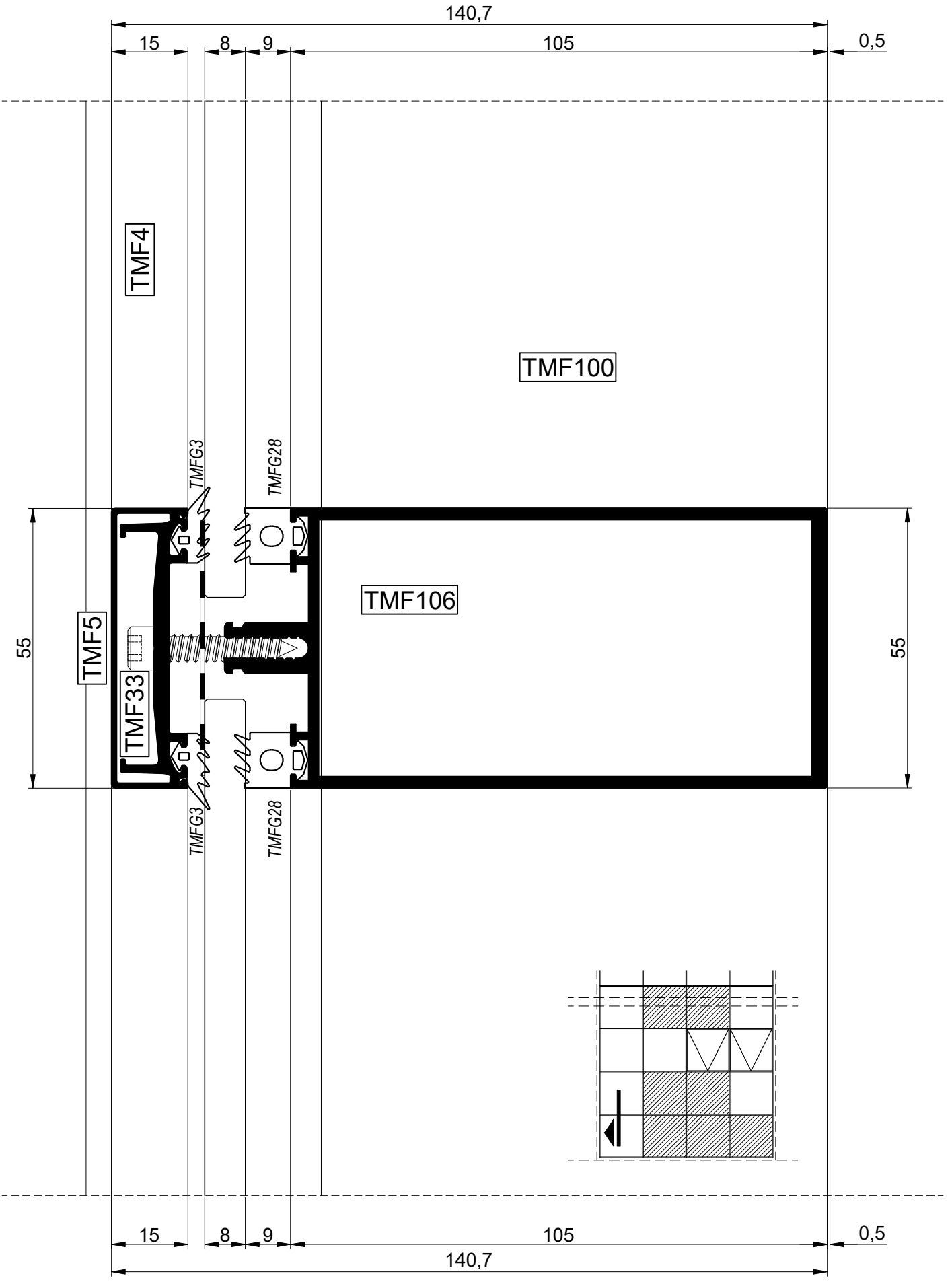

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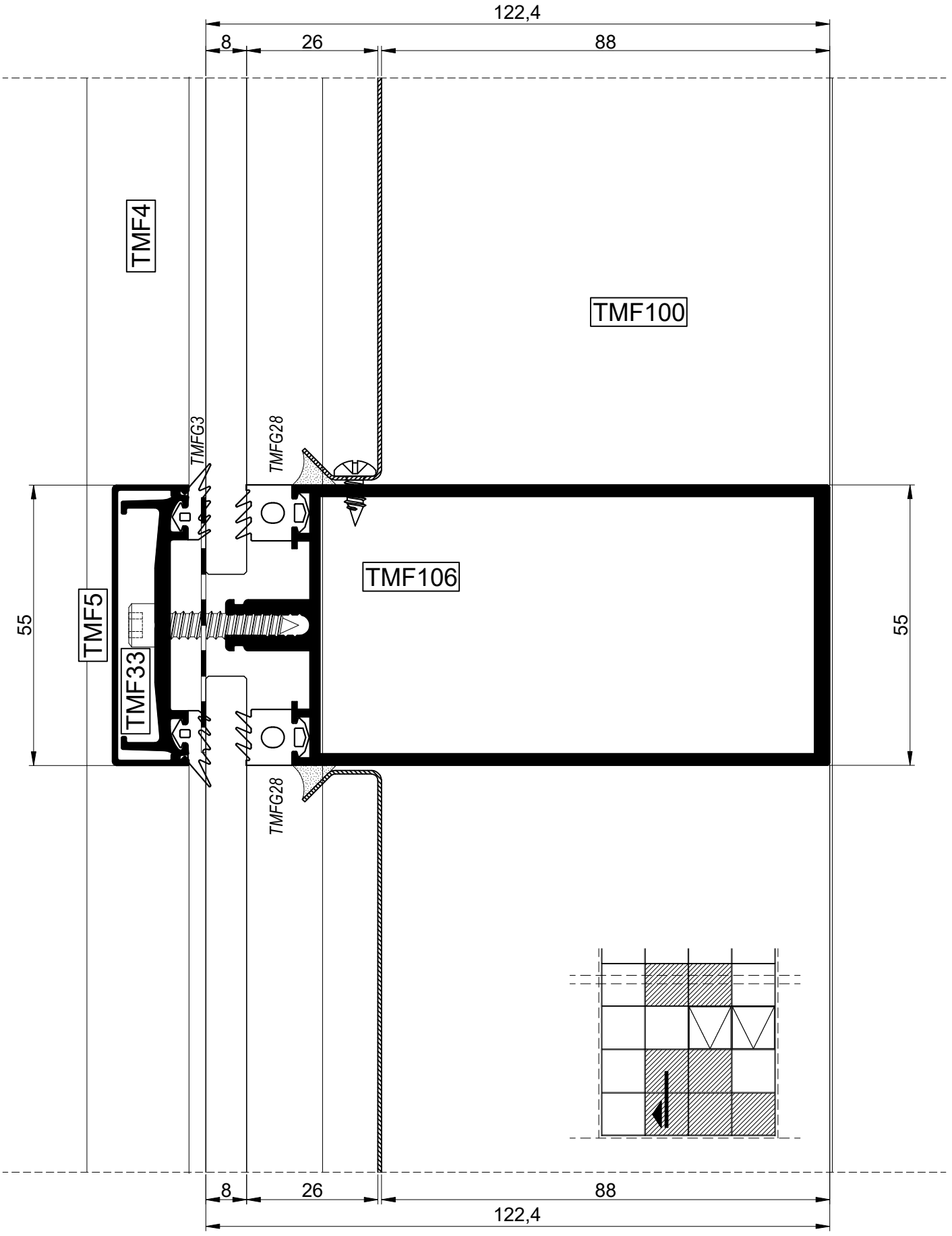


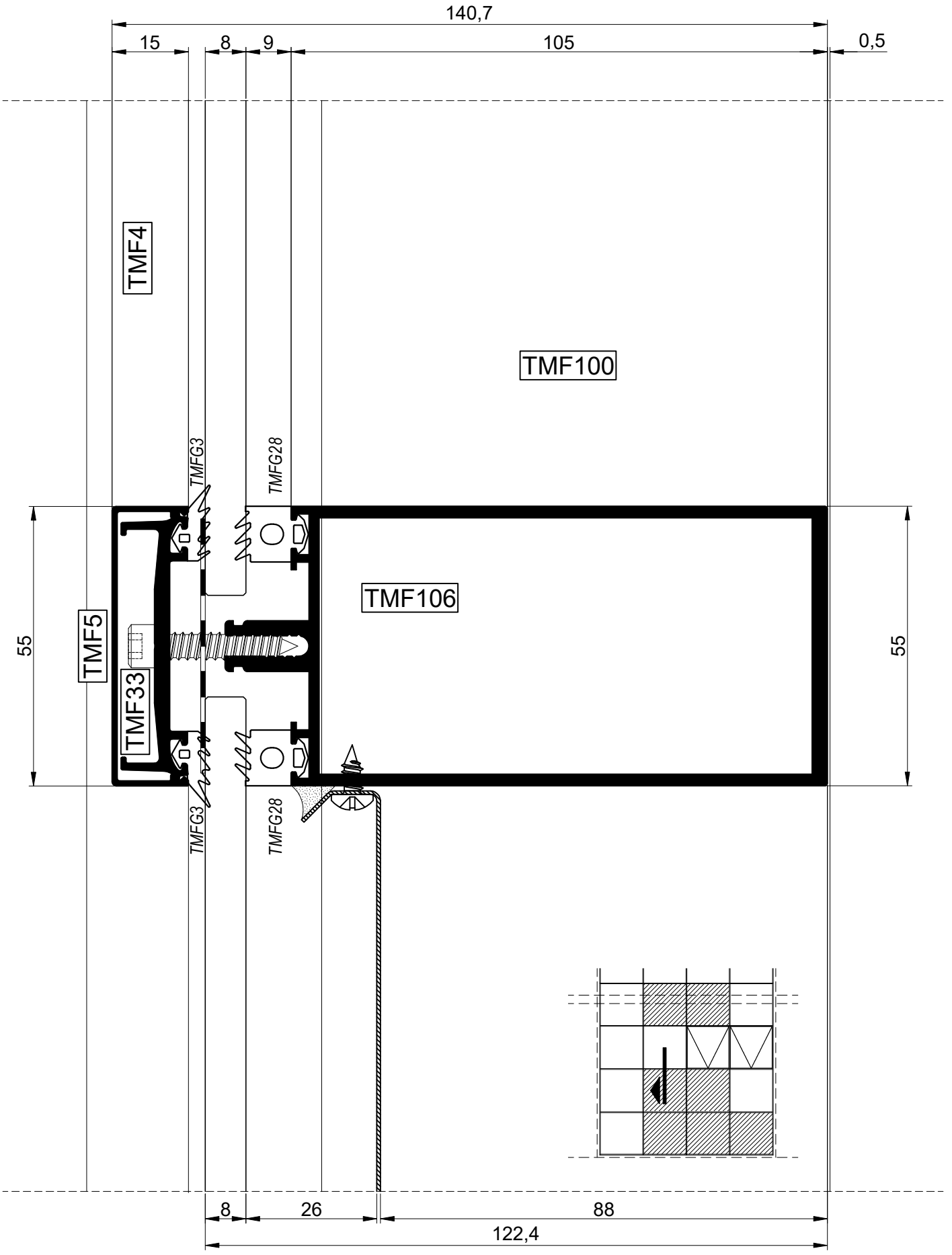

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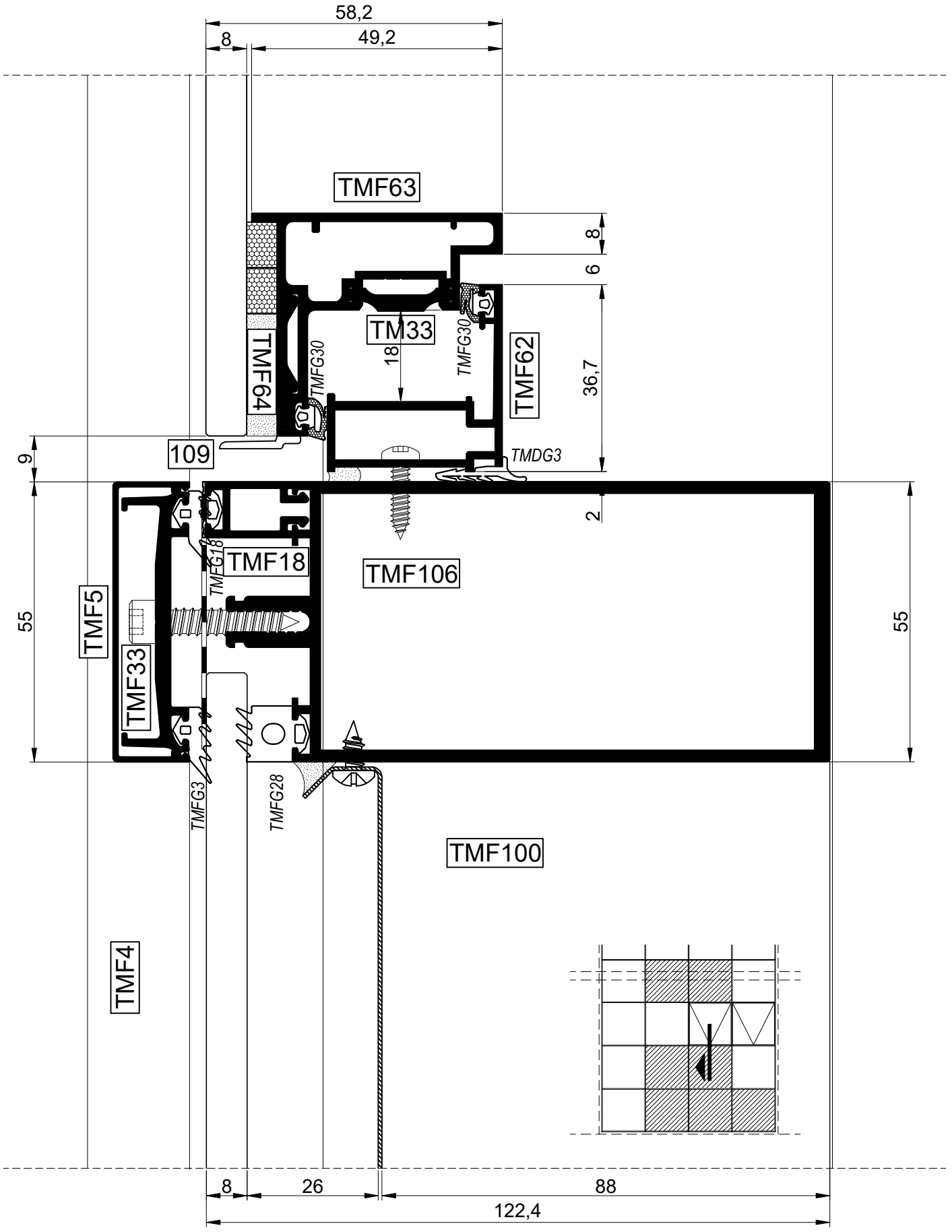

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TMF4
TMF100
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L2060
TMF44

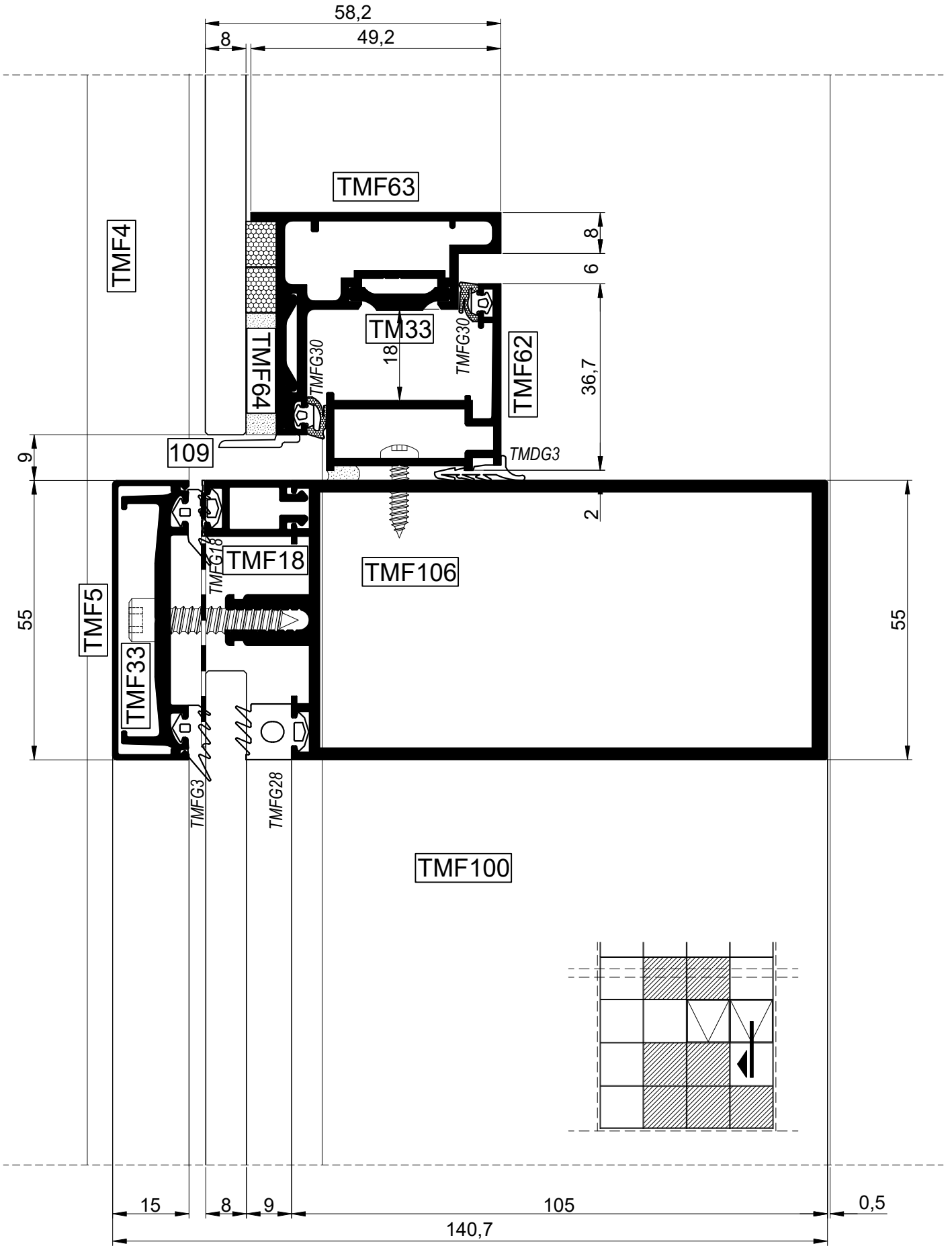

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TMF4
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L2060
TMF44

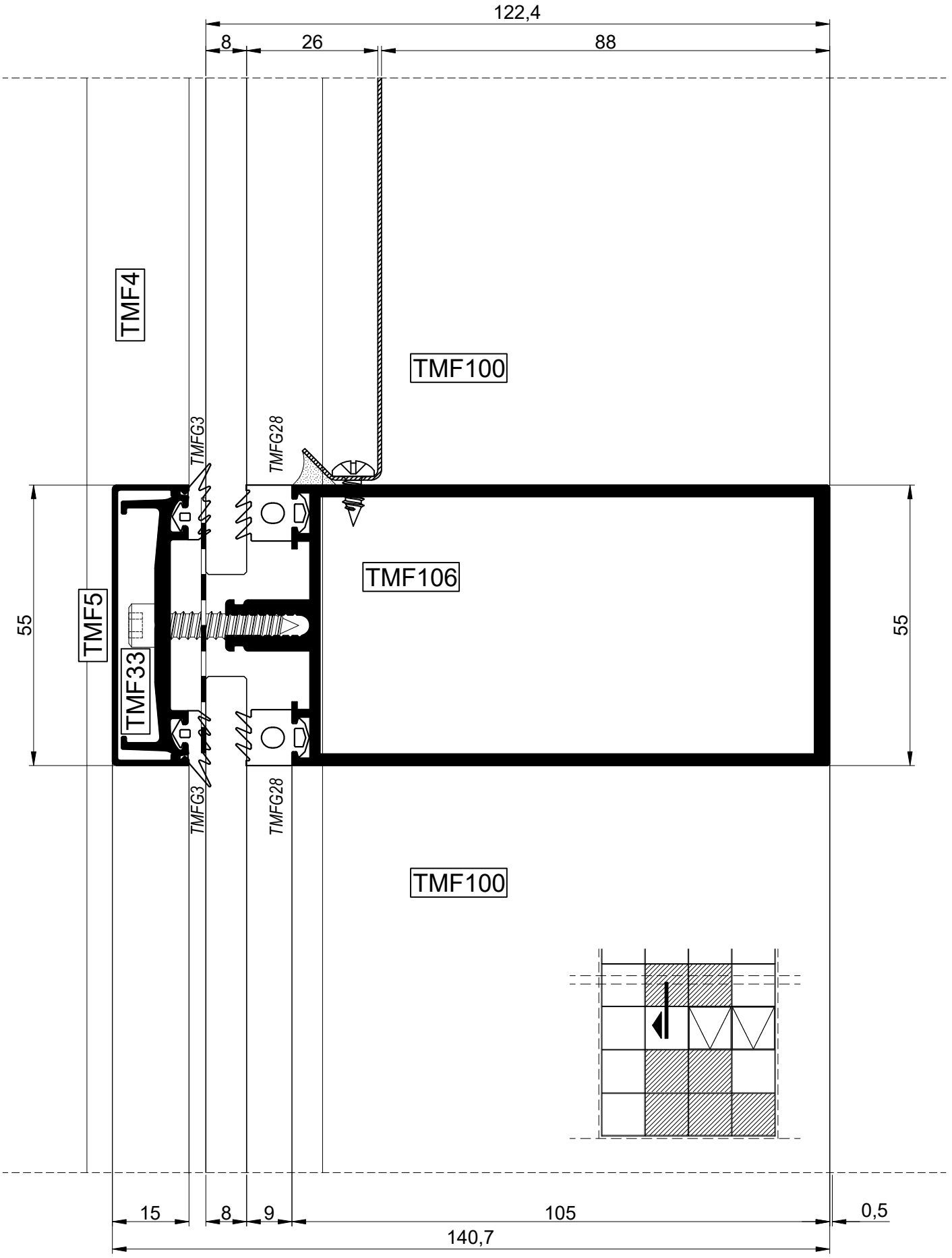

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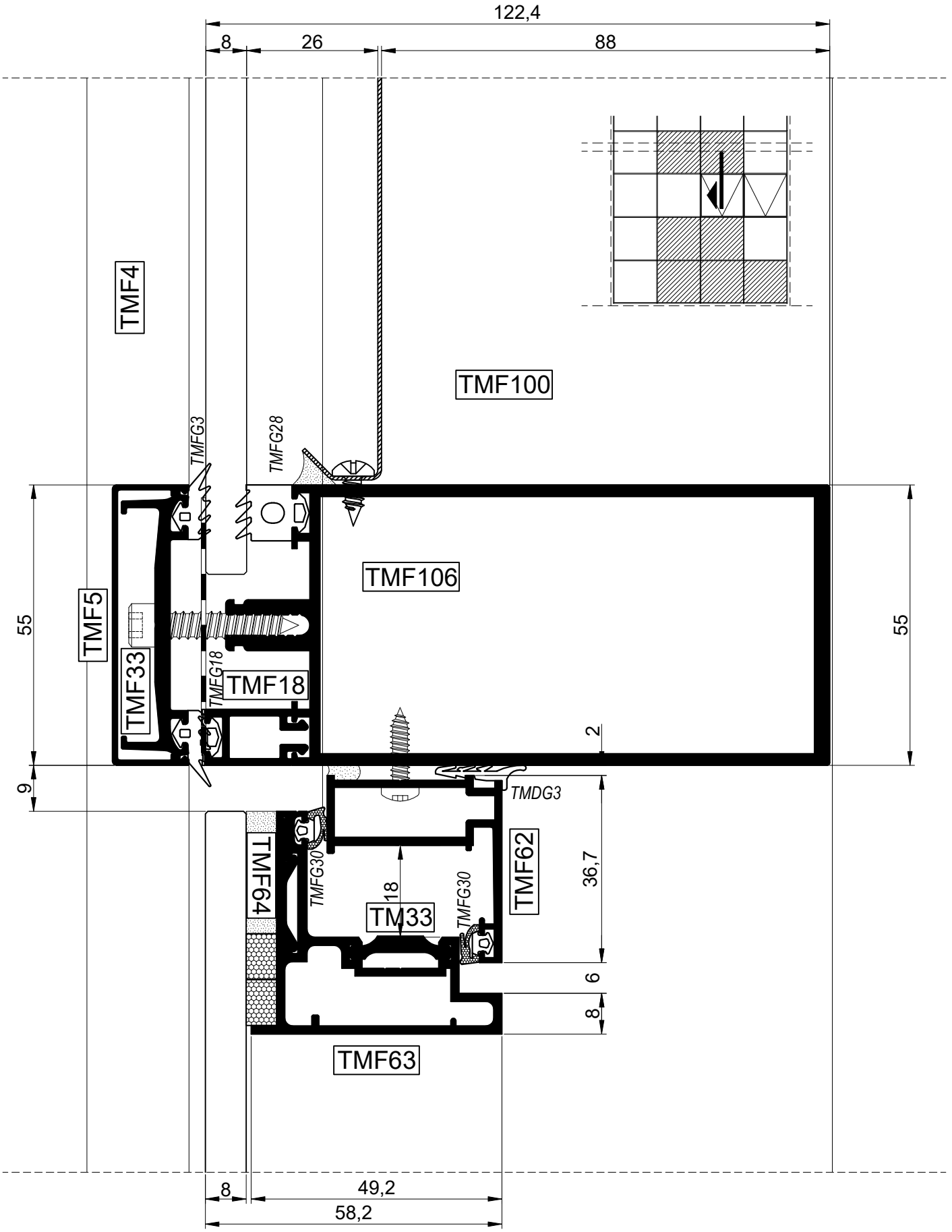

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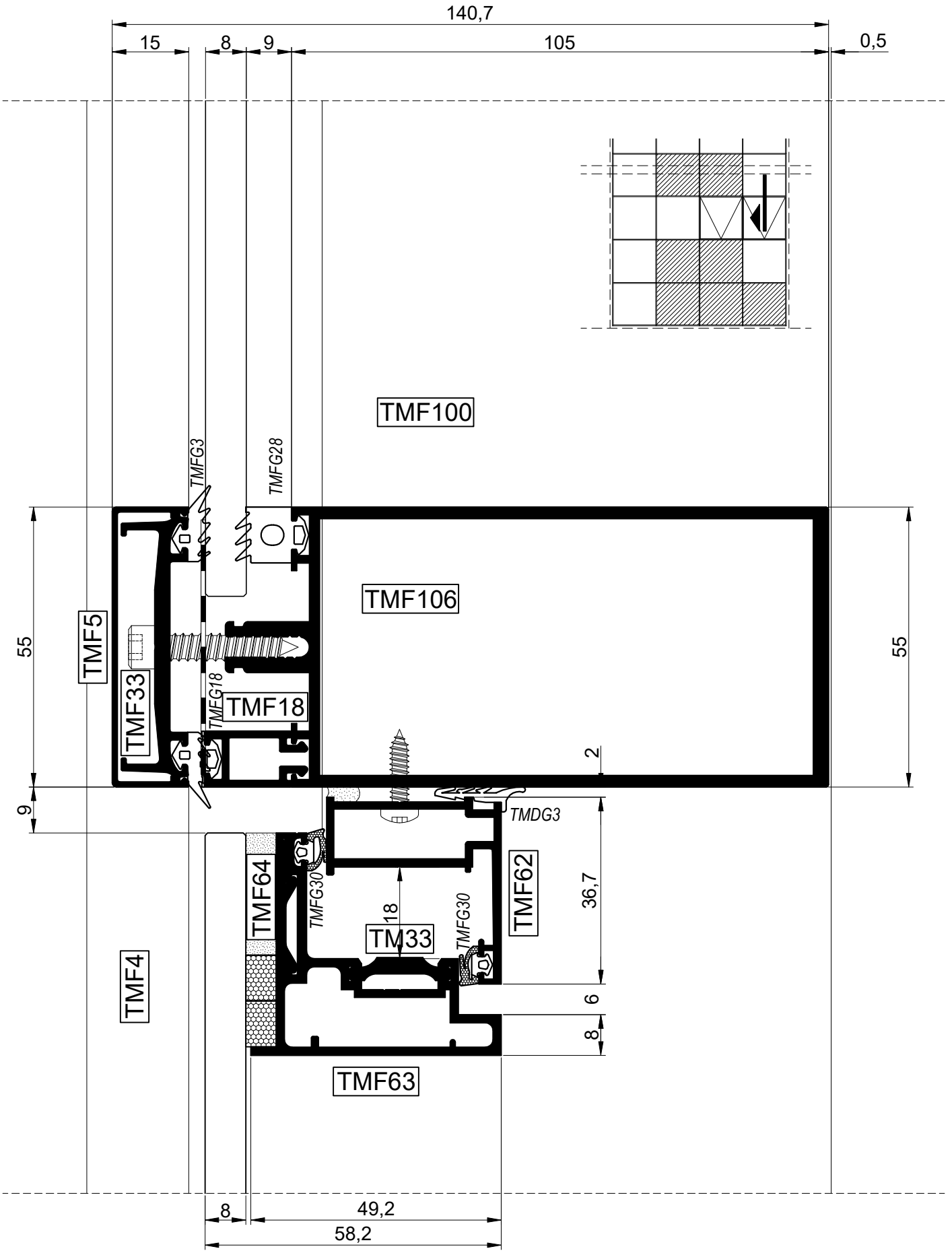

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TMF4
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88
122,4

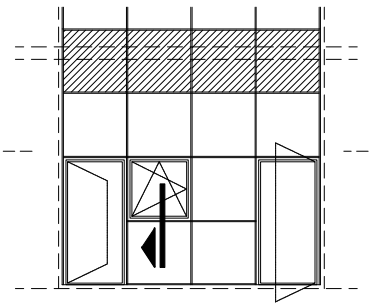

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TMF63
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TMFG30
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TMF18
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122,4

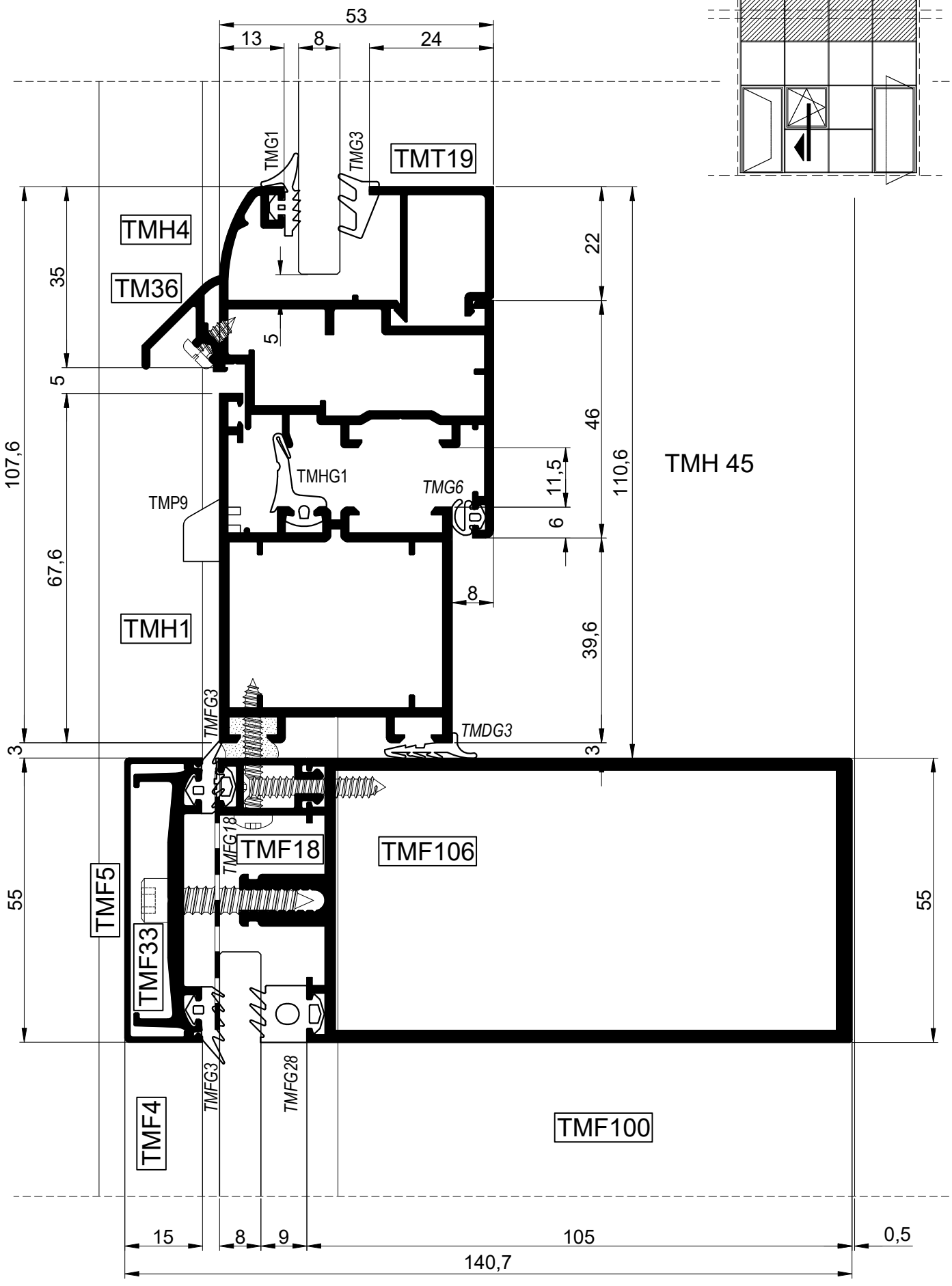

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TMF63
TMF4
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TM33
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TMFG30
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TMF64
TMF62
36,7
109
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TMDG3
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TMF18
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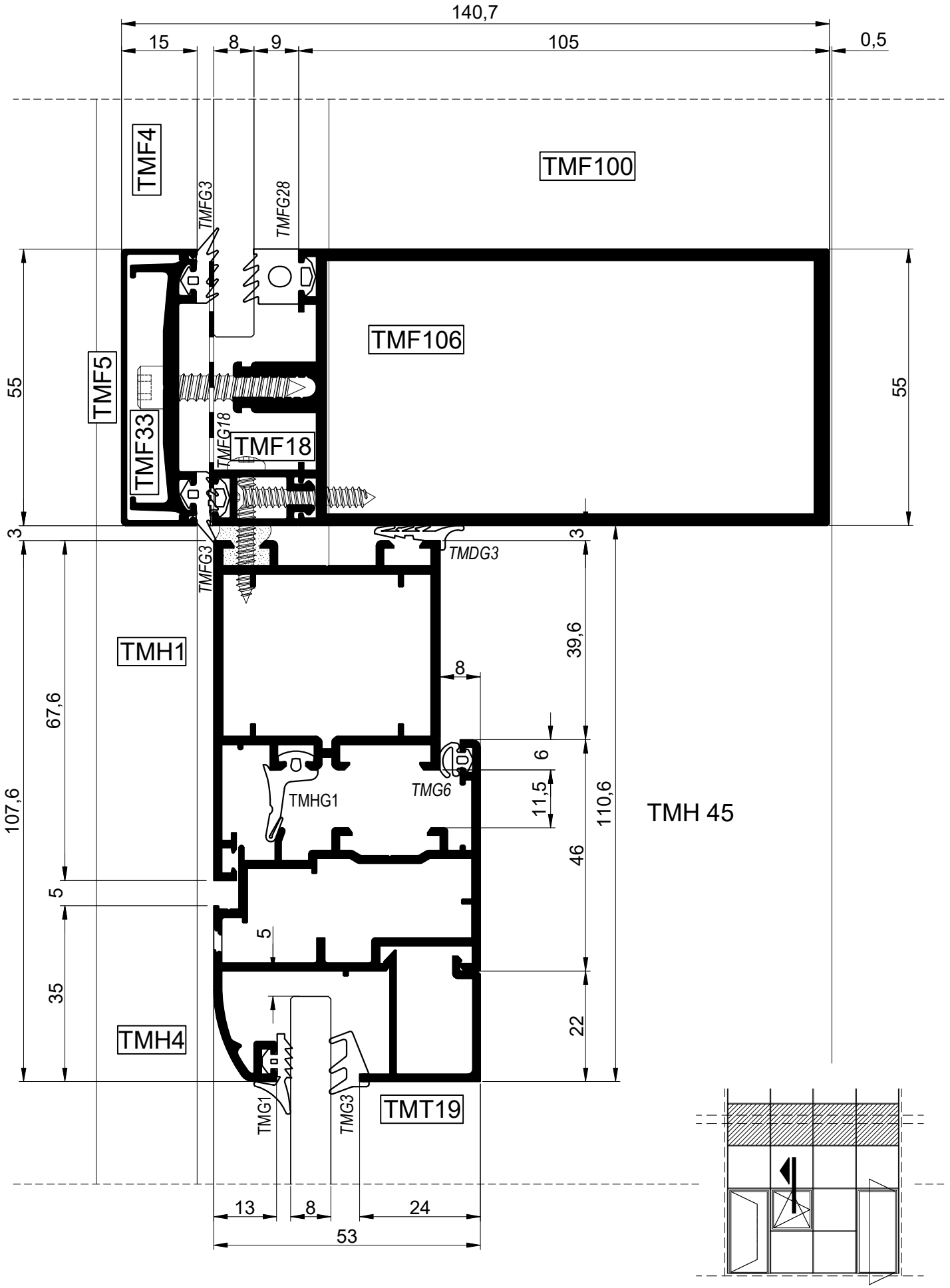

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TMF4
TMF100
TMFG3
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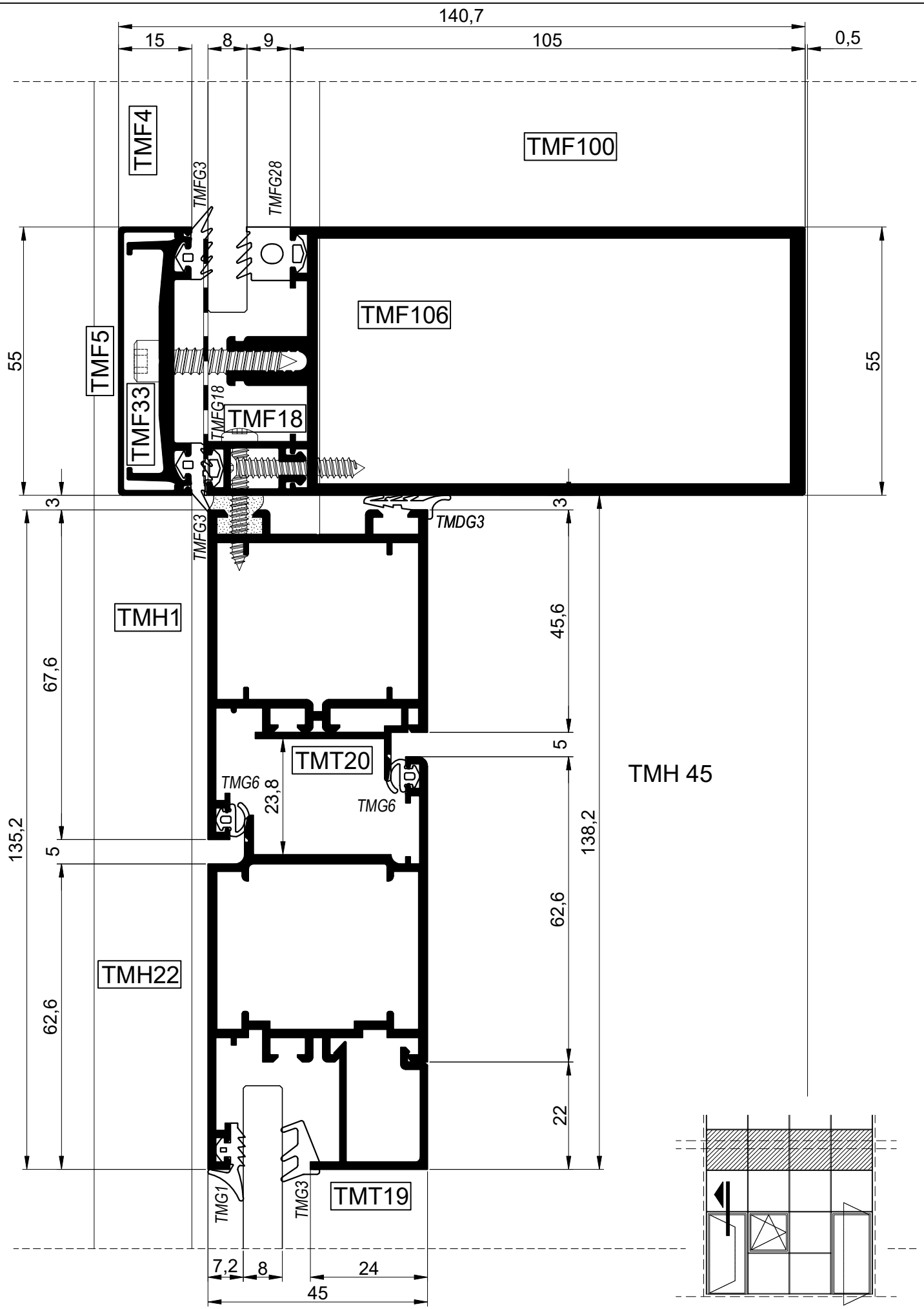

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TMF4
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TMFG3
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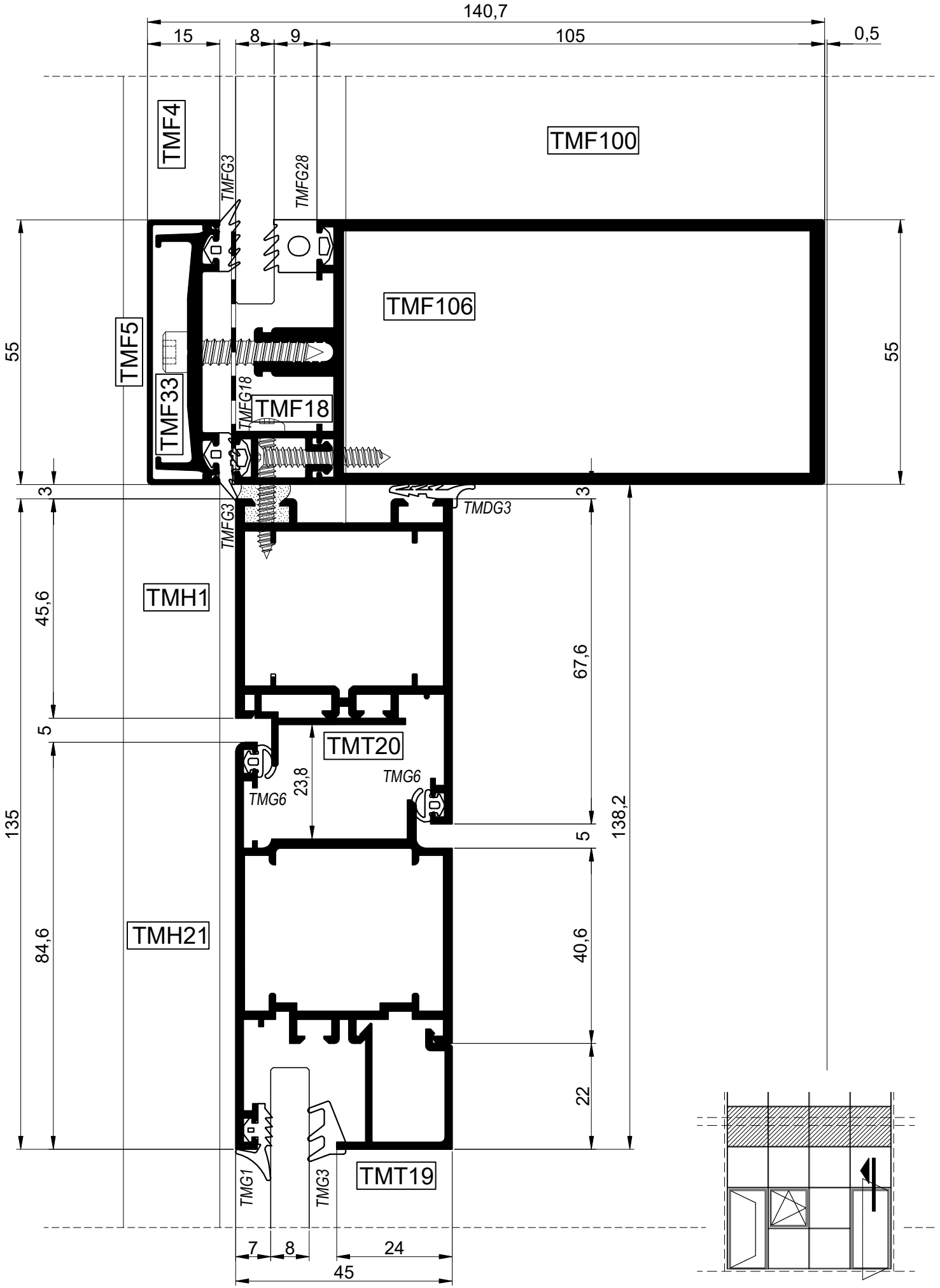

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TMFG3
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TMDG3
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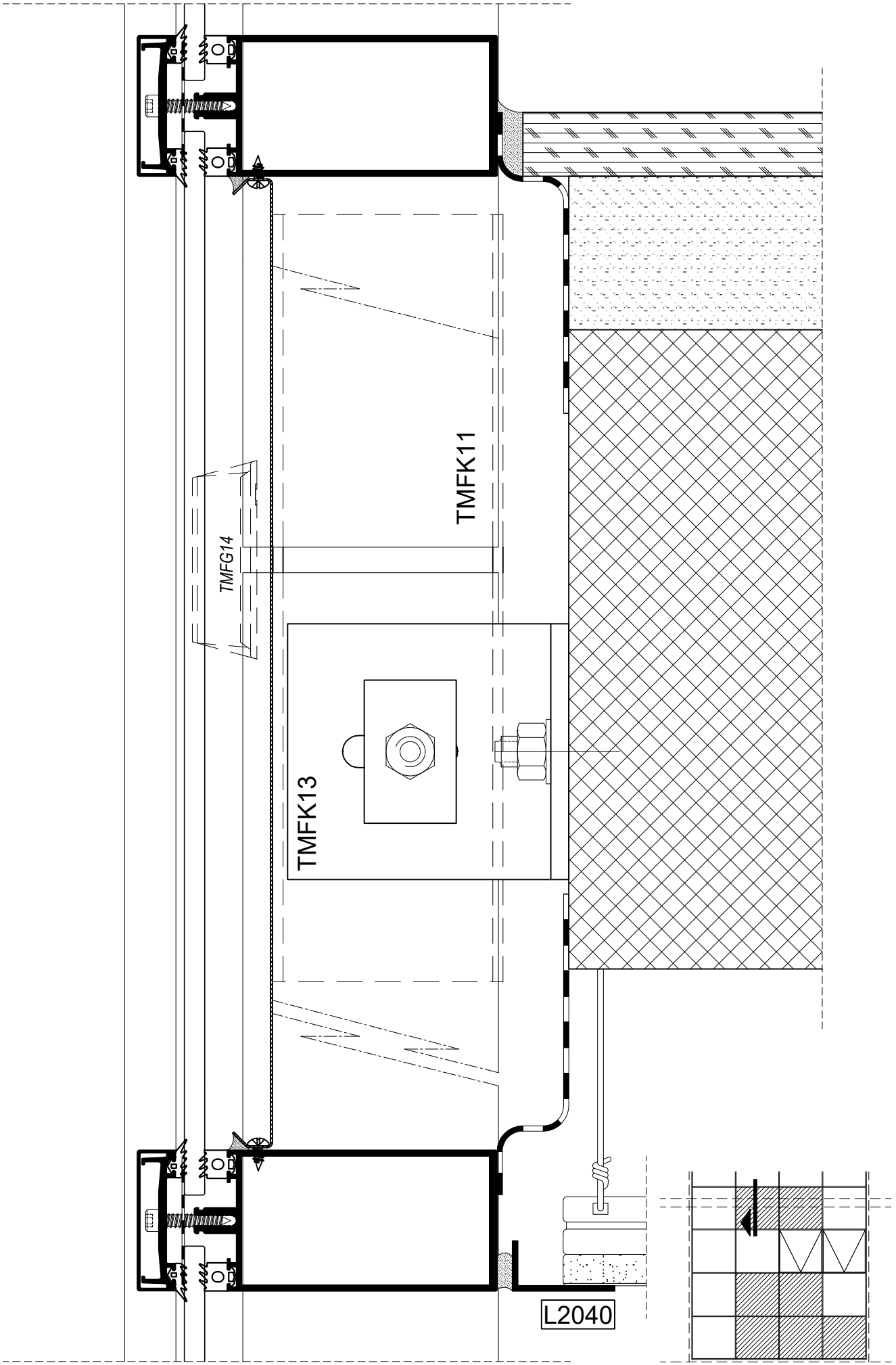



53
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TMG3
TMT19
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46
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110,6
107,6
67,6
TMH 45
TMHG1
TMG6
TMP9
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39,6
TMH1
TMFG3
TMDG3
3
3
TMF18
TMFG18
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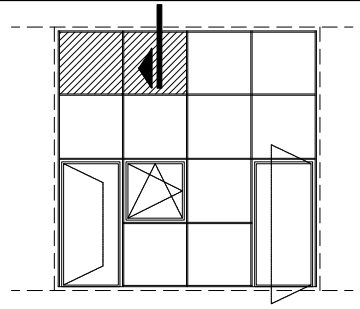

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TMFG3
TMDG3
TMH1
39,6
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67,6
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11,5
TMHG1
TMG6
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53

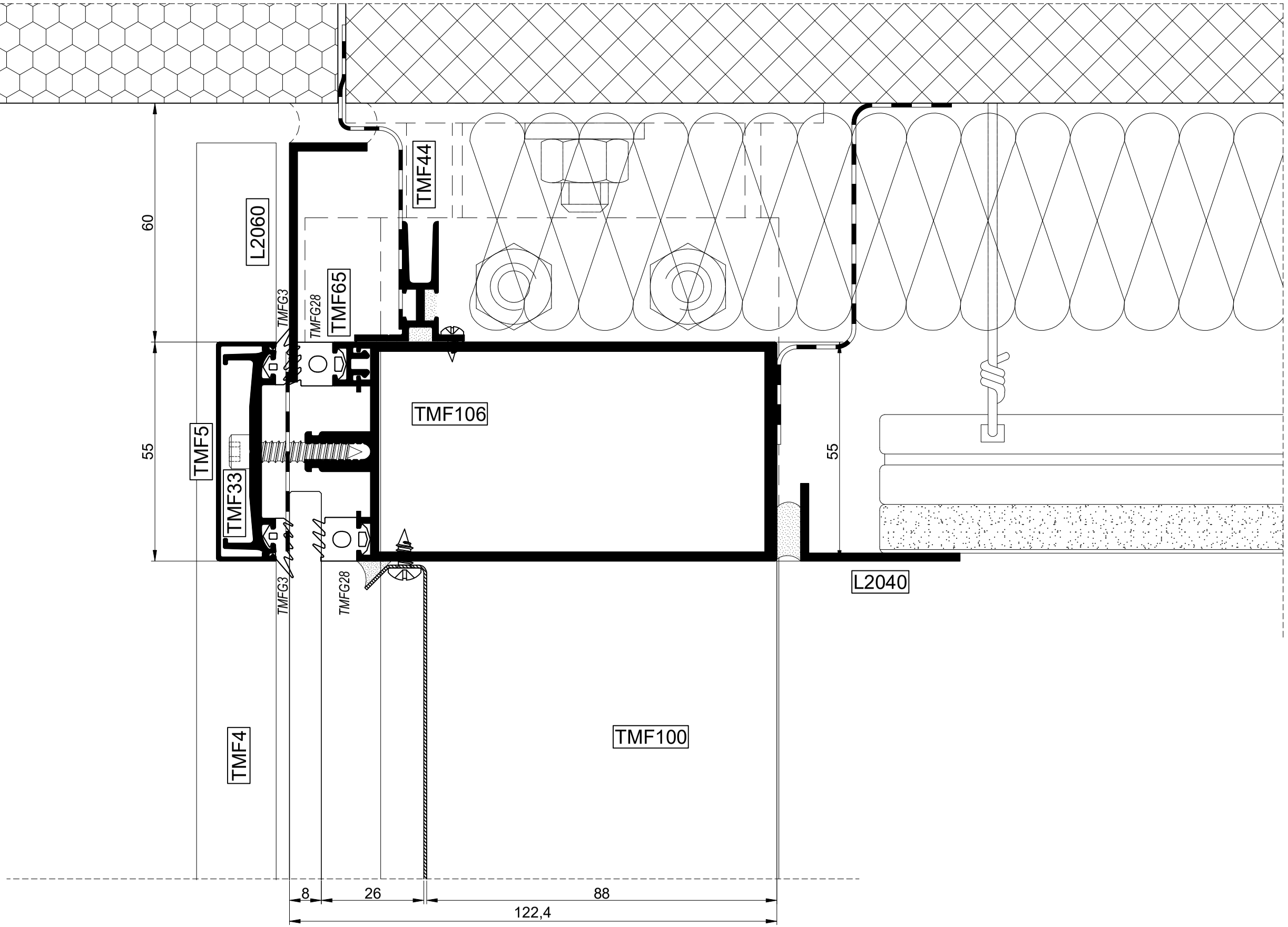

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TMF18
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3
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TMFG3
TMDG3
TMH1
67,6
45,6
5
TMT20
TMG6
23,8
TMG6
TMH 45
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TMG3
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7,2
8
24
45

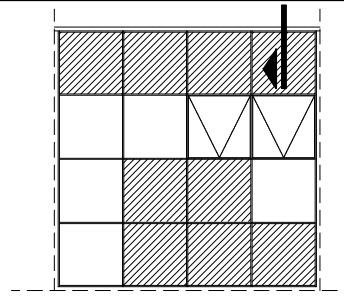

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TMFG3
TMDG3
TMH1
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67,6
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TMT20
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TMG6
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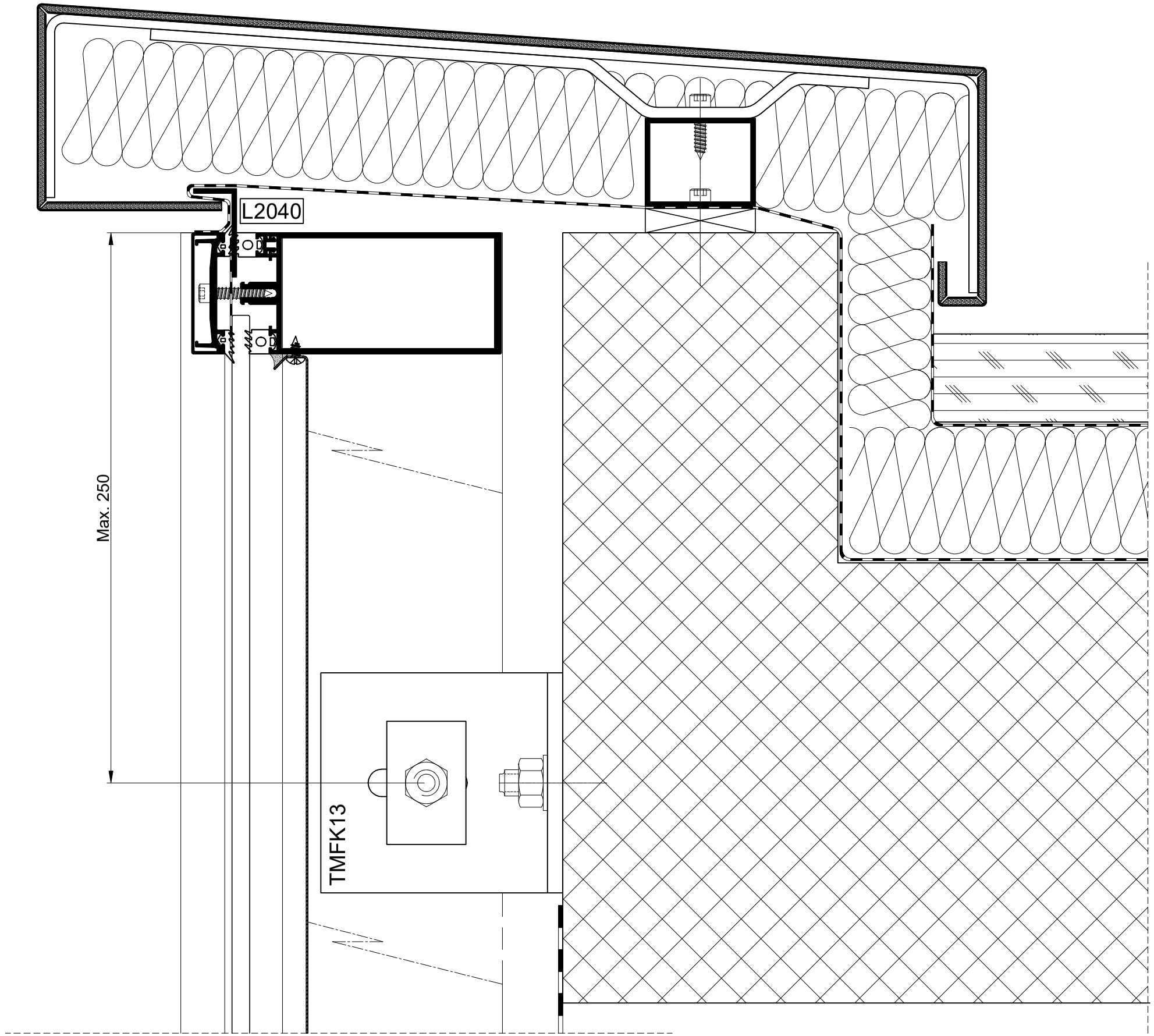

TMFK11
TMFG14
TMFK13
L2040

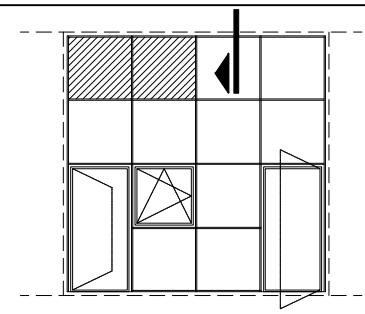
Kontinualana fasada
Continual facade
Непрерывный фасад

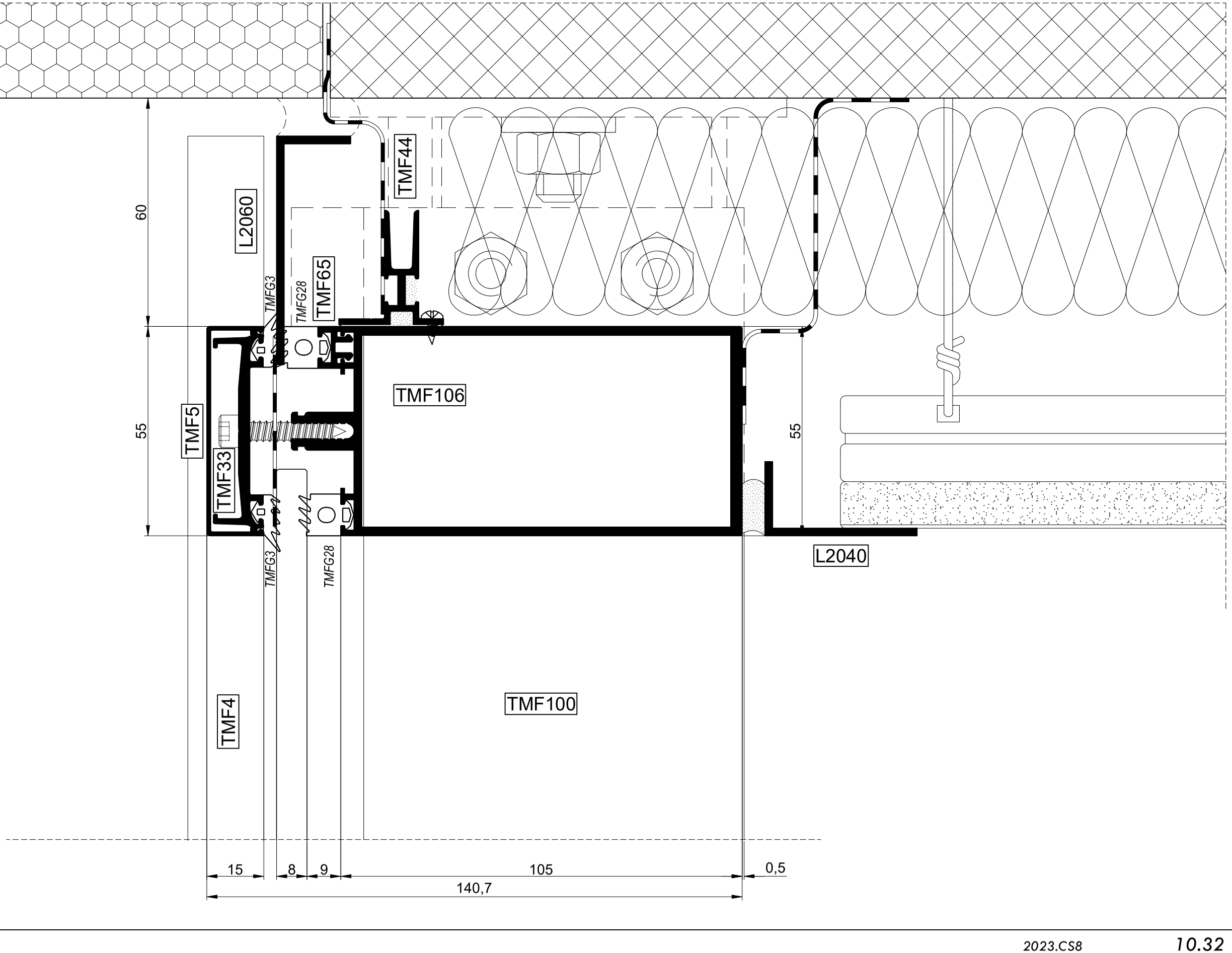


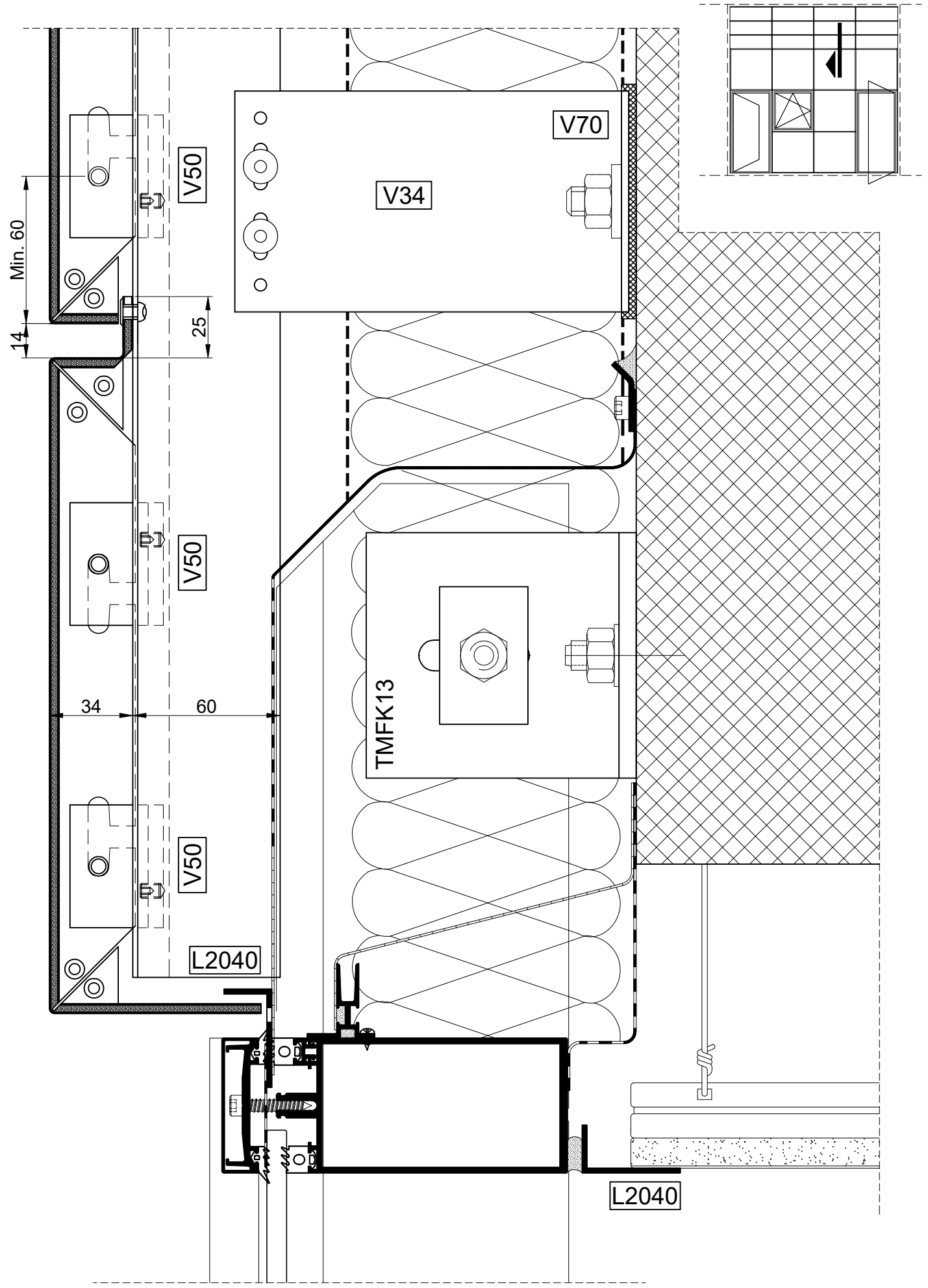





L2040
Max. 250
TMFK13

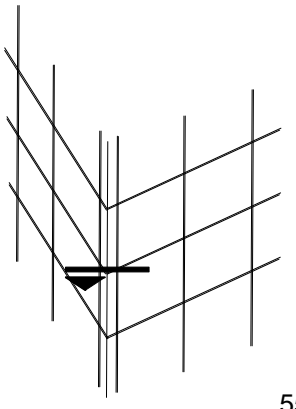


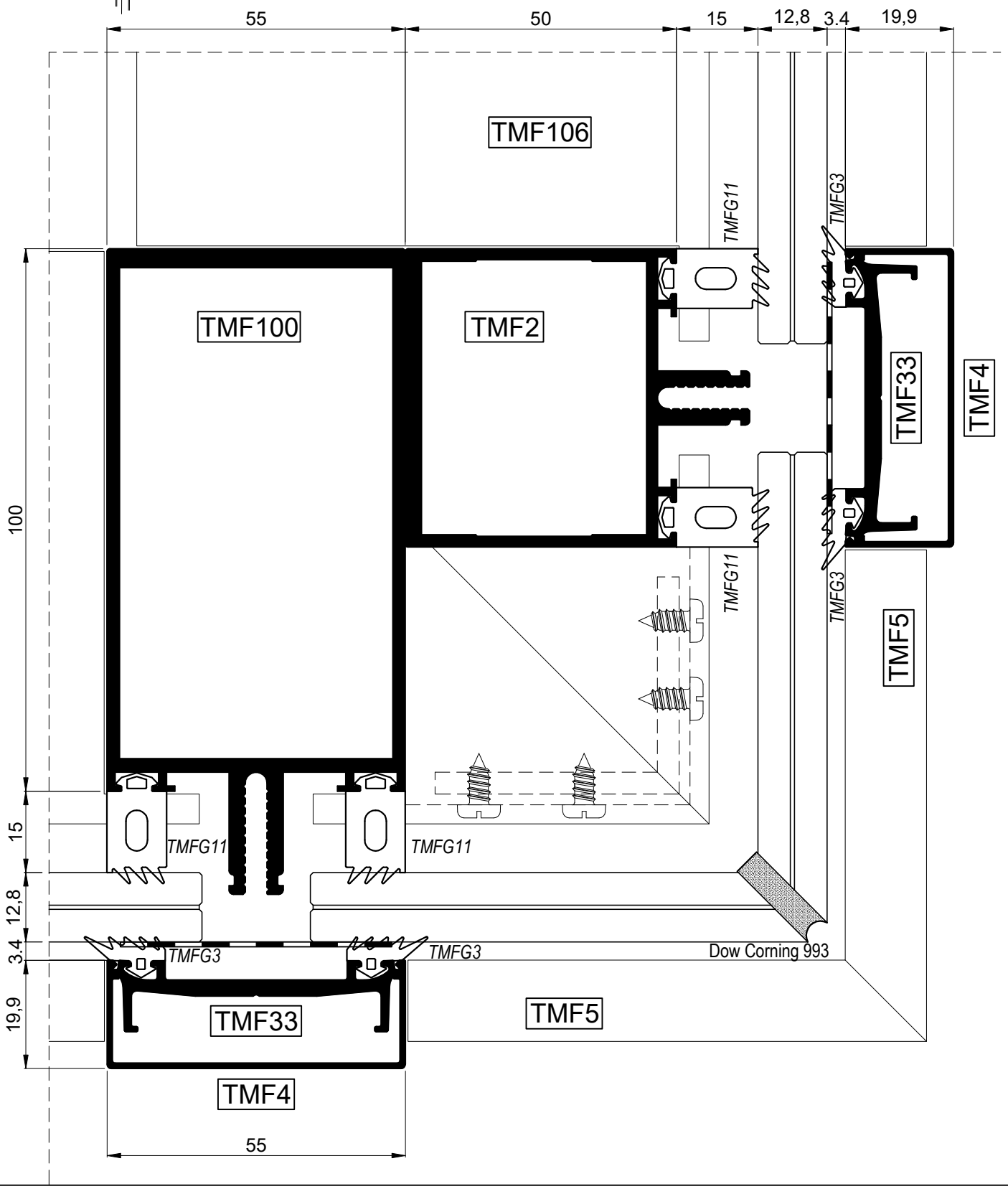

60
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TMF44
L2060
TMF65
TMFG3
TMFG28
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0,5
140,7

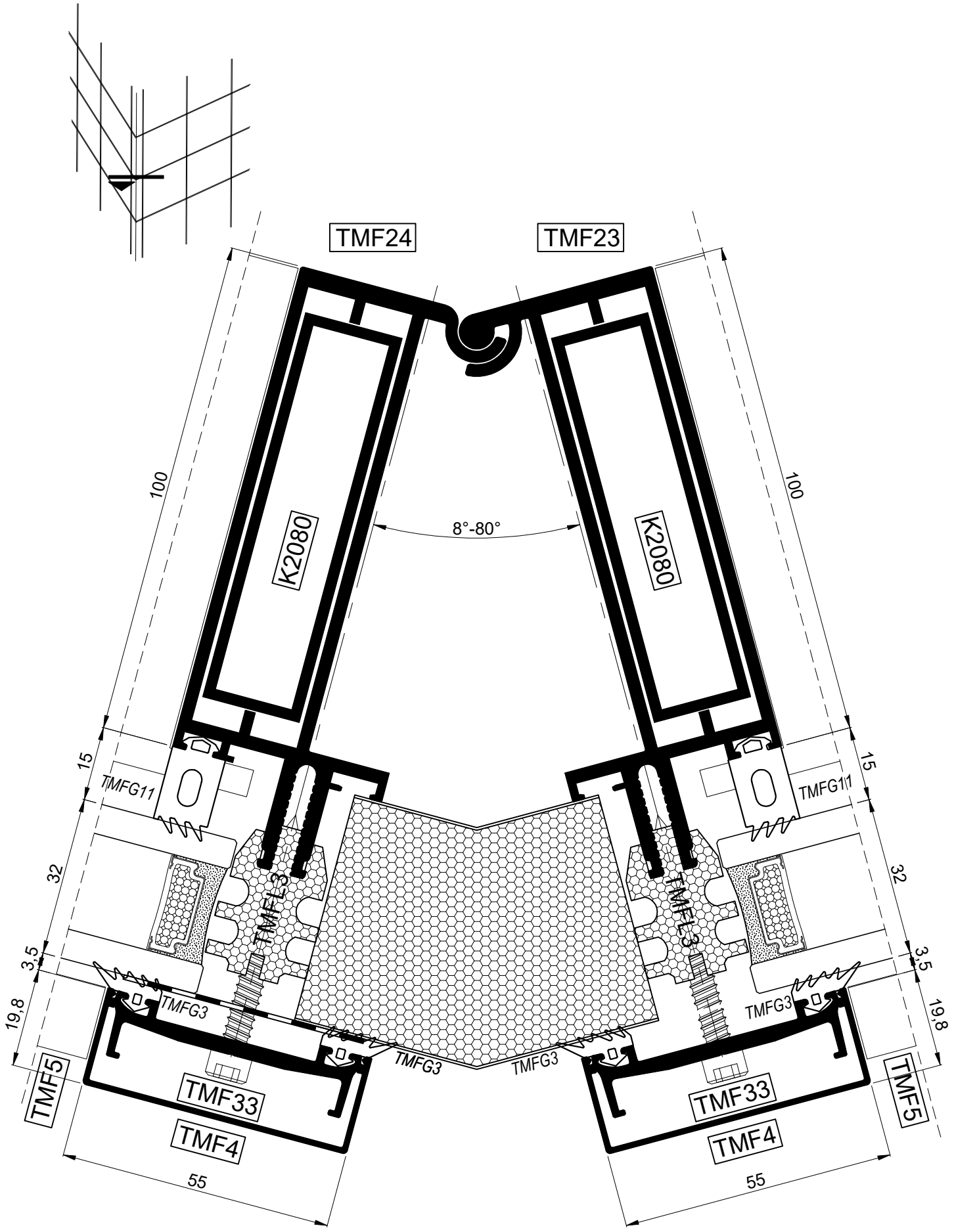

V70
V34
V50
V50
V50
Min. 60
14
25
34
60
TMFK13
L2040
L2040

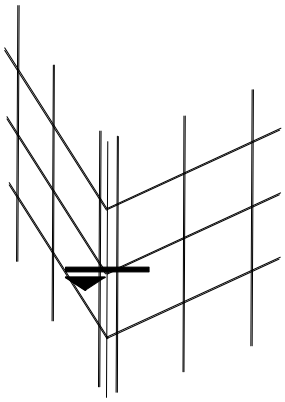
Atipični detalji
Atypically details
Нетипично деталь

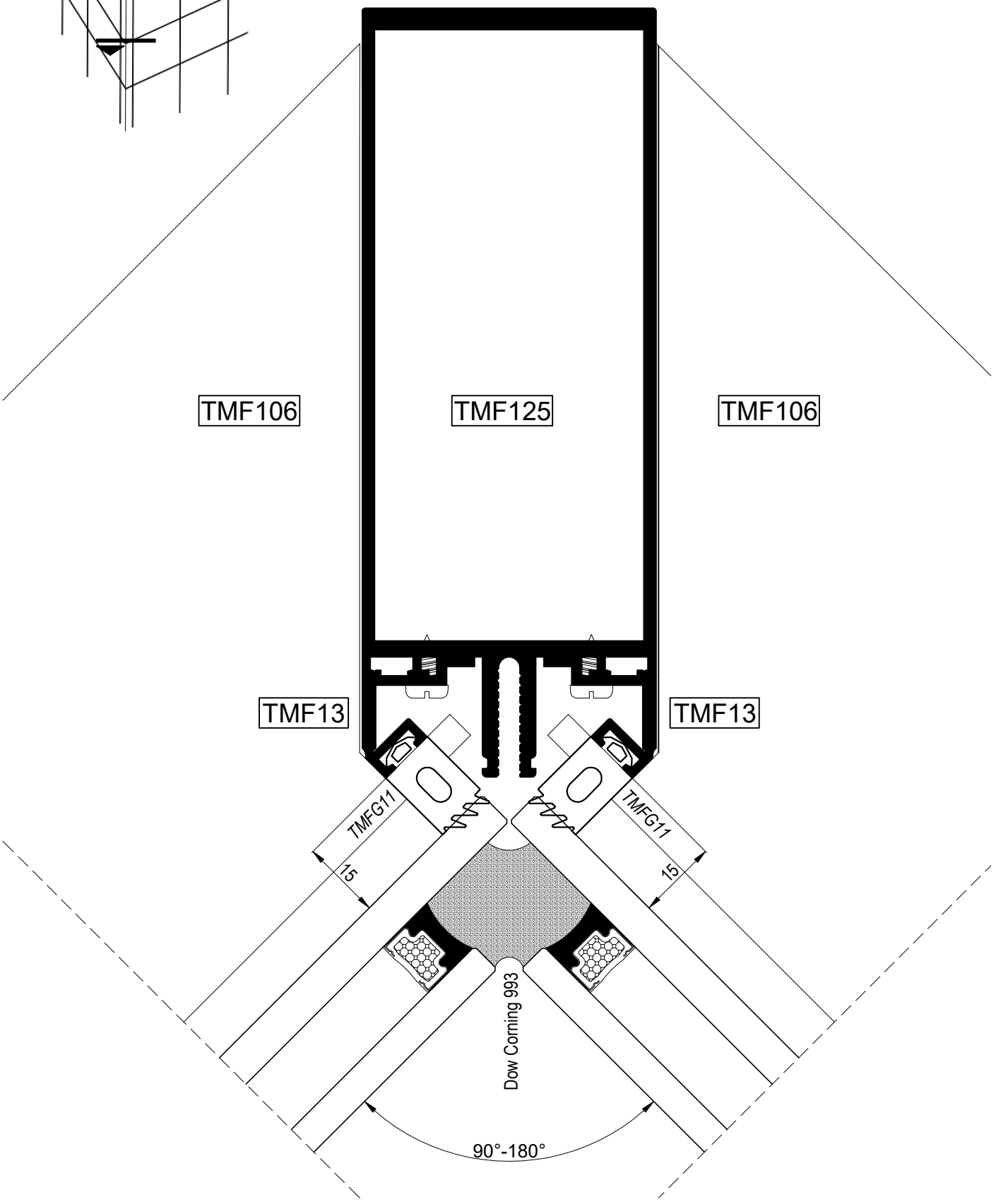
ALUMINIK CS55

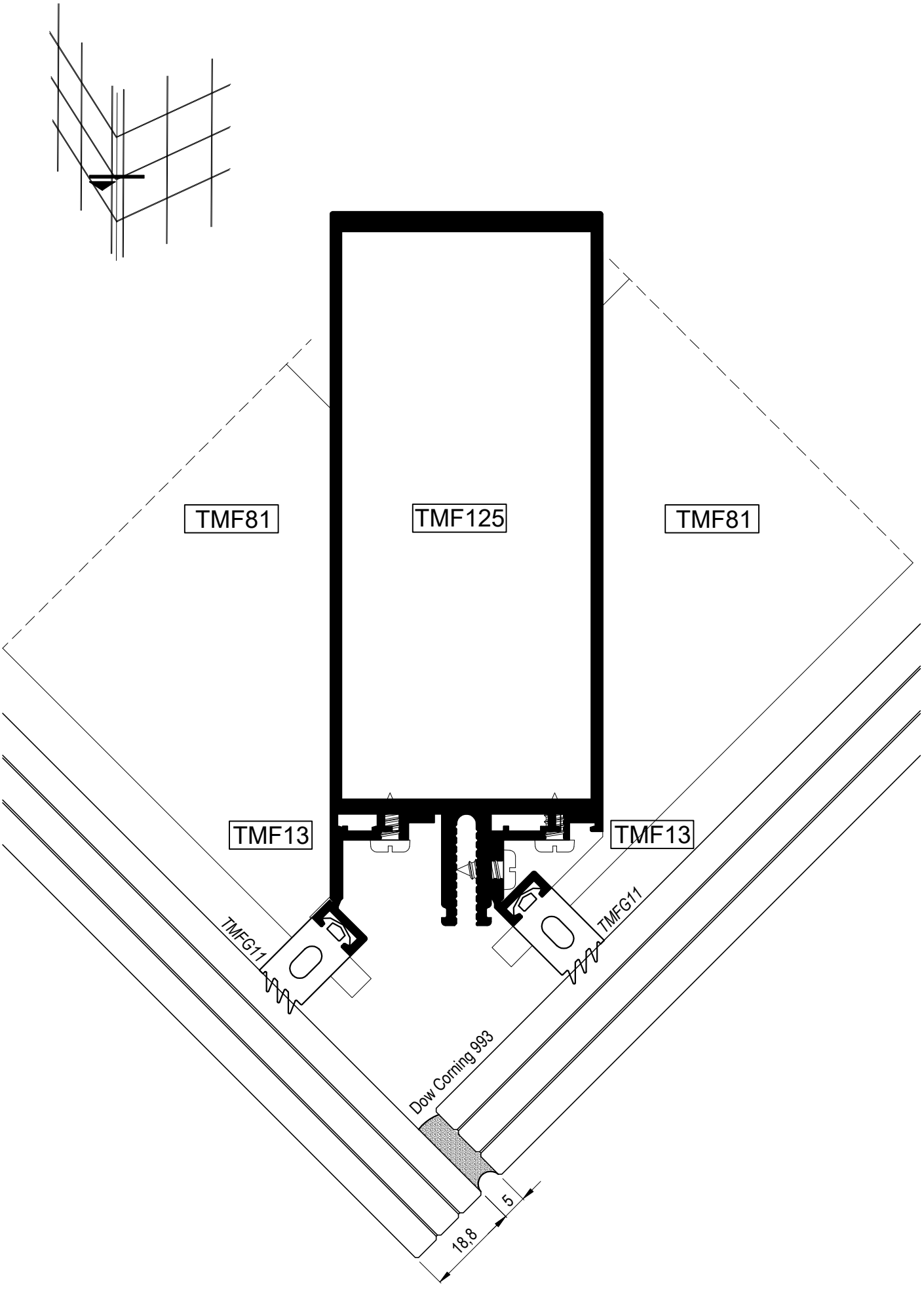


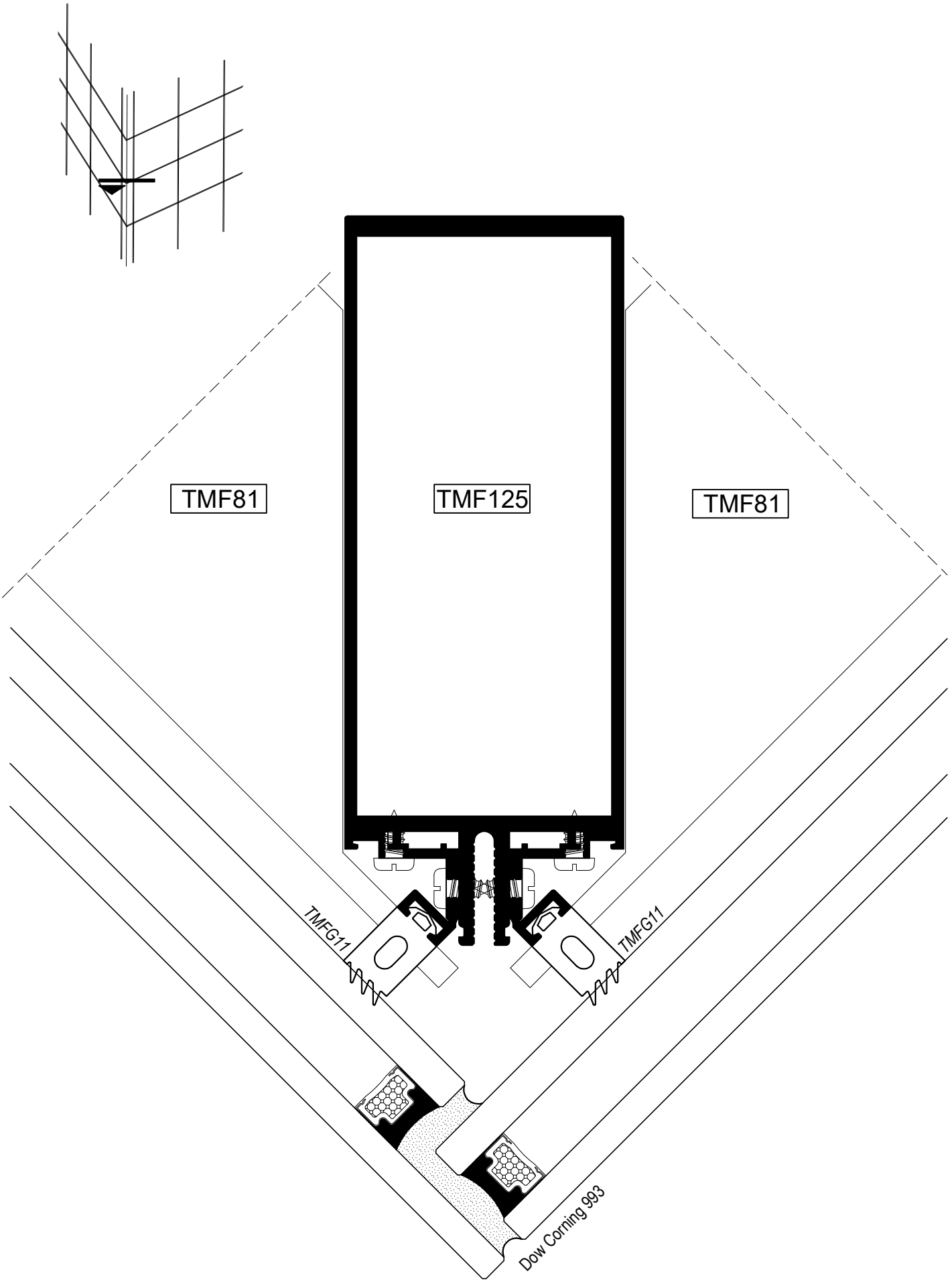

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12,8
3.4
19,9
TMF106
TMF100
TMF2
TMF33
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TMF5
TMFG11
TMFG3
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12,8
3.4
19,9
Dow Corning 993
55

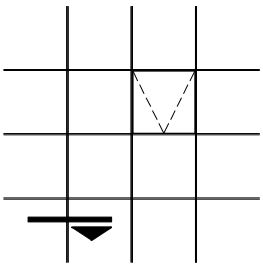

TMF24
TMF23
K2080
K2080
8°-80°
100
100
15
15
TMFG11
TMFG11
32
32
TMFL23
TMFL23
3,5
3,5
19,8
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TMF4
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55

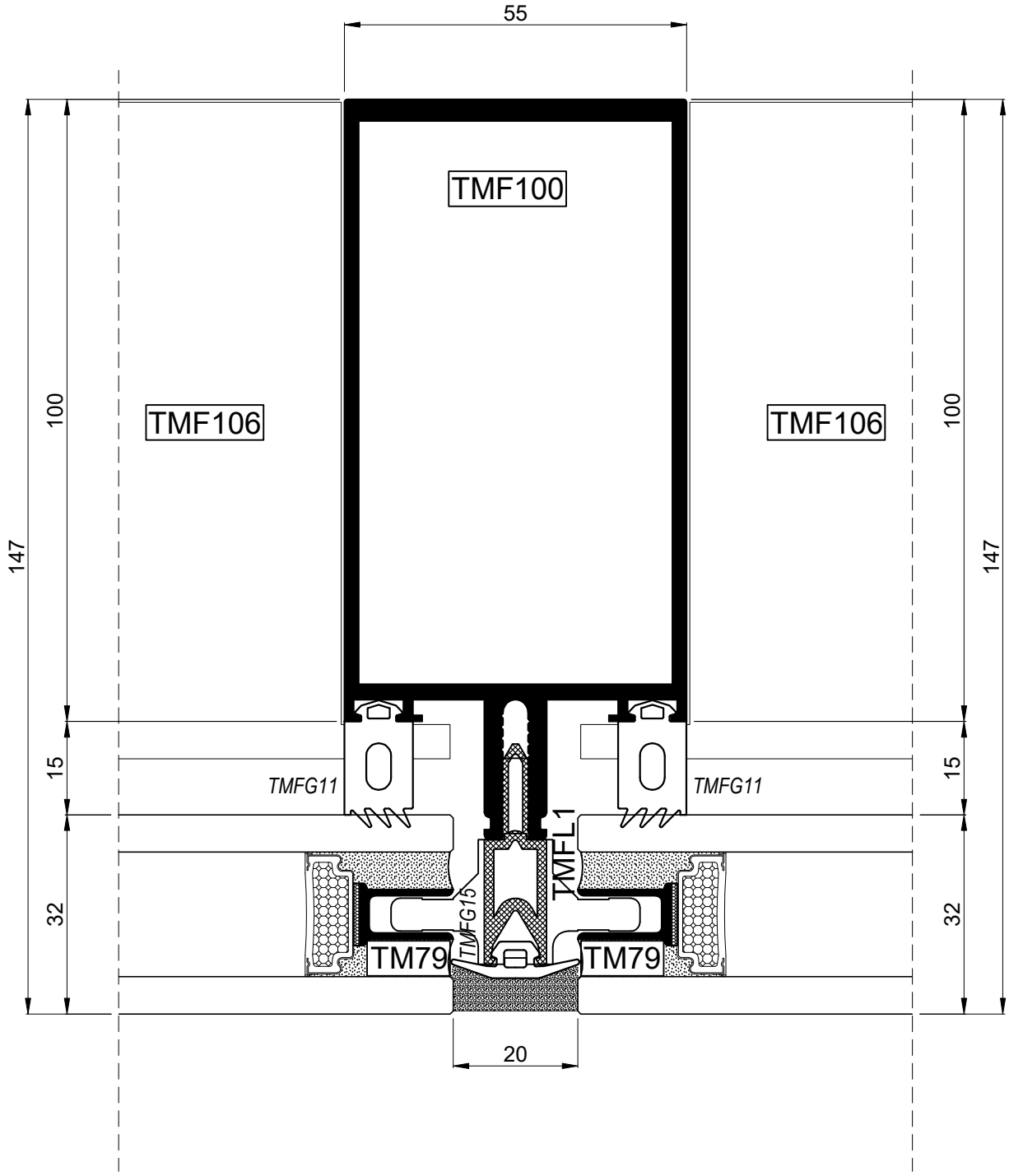


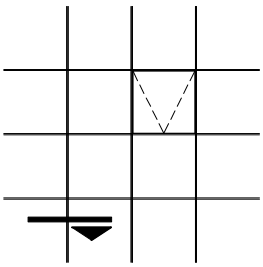

TMF106
TMF125
TMF106
TMF13
TMF13
TMFG11
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TMFG11
15
Dow Corning 993
90°-180°

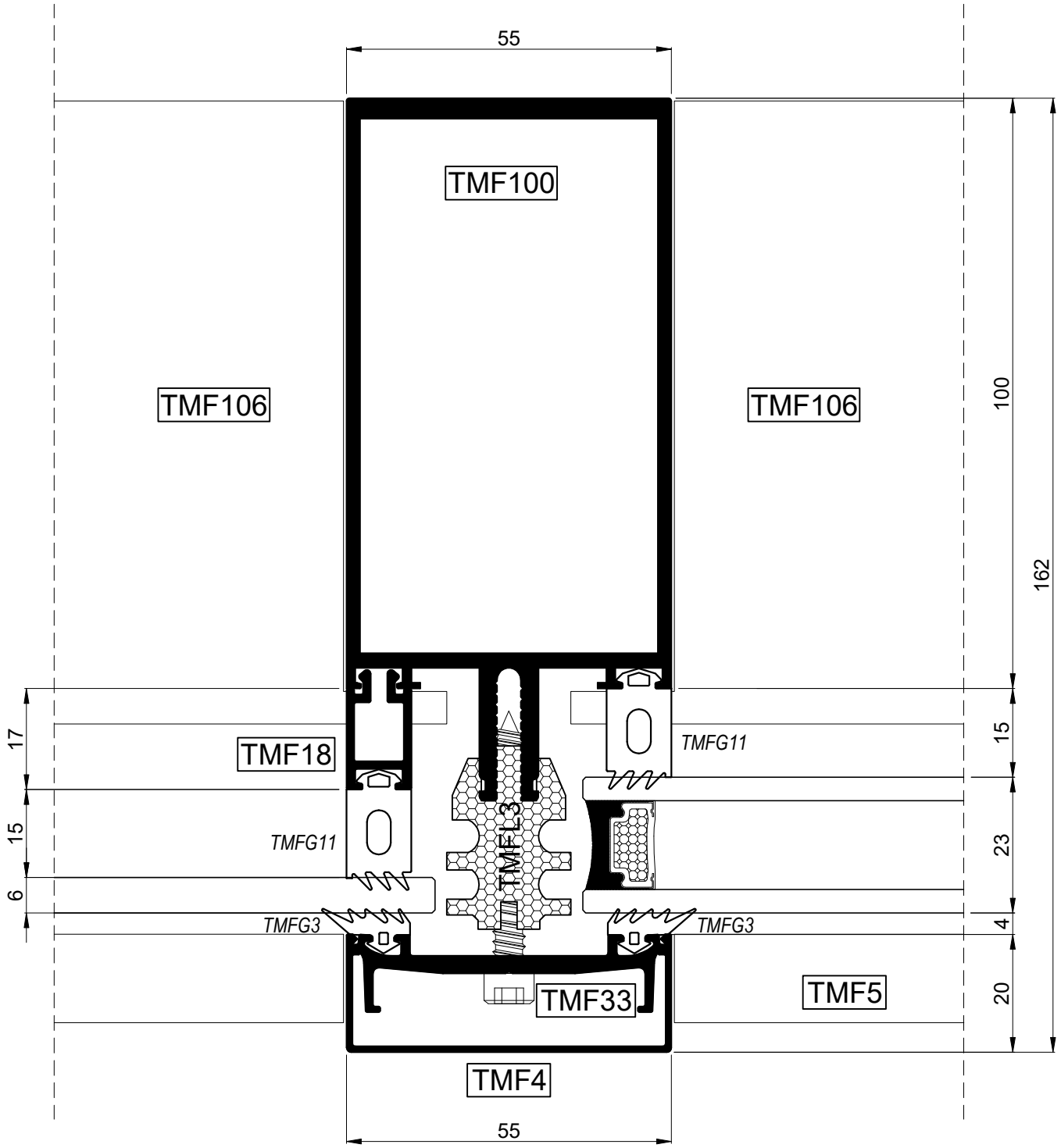

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TMF81
TMF13
TMF13
TMFG11
TMFG11
Dow Corning 993
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18,8

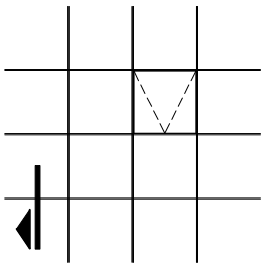

TMF81
TMF125
TMF81
TMFG11
TMFG11
Dow Corning 993

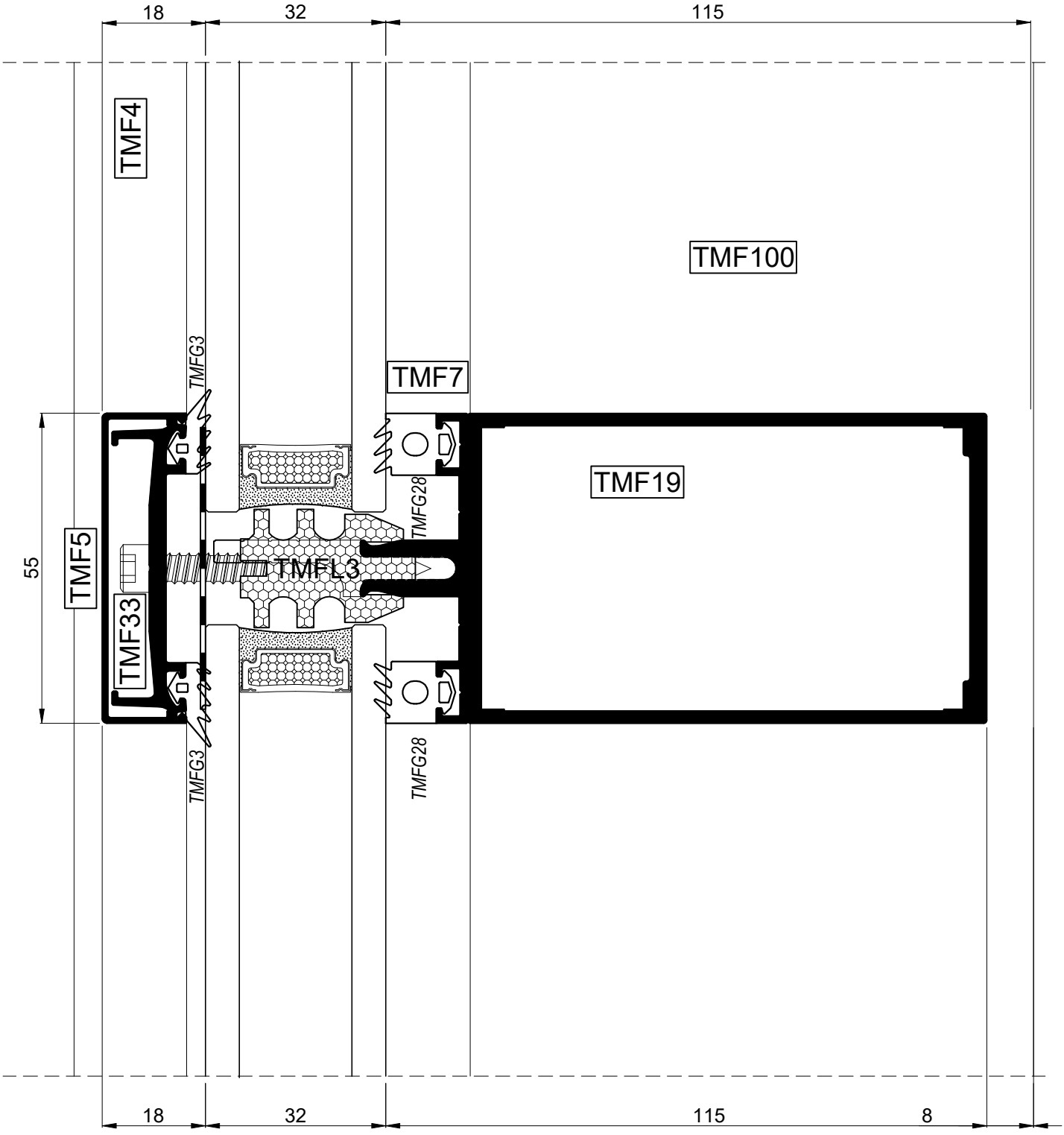


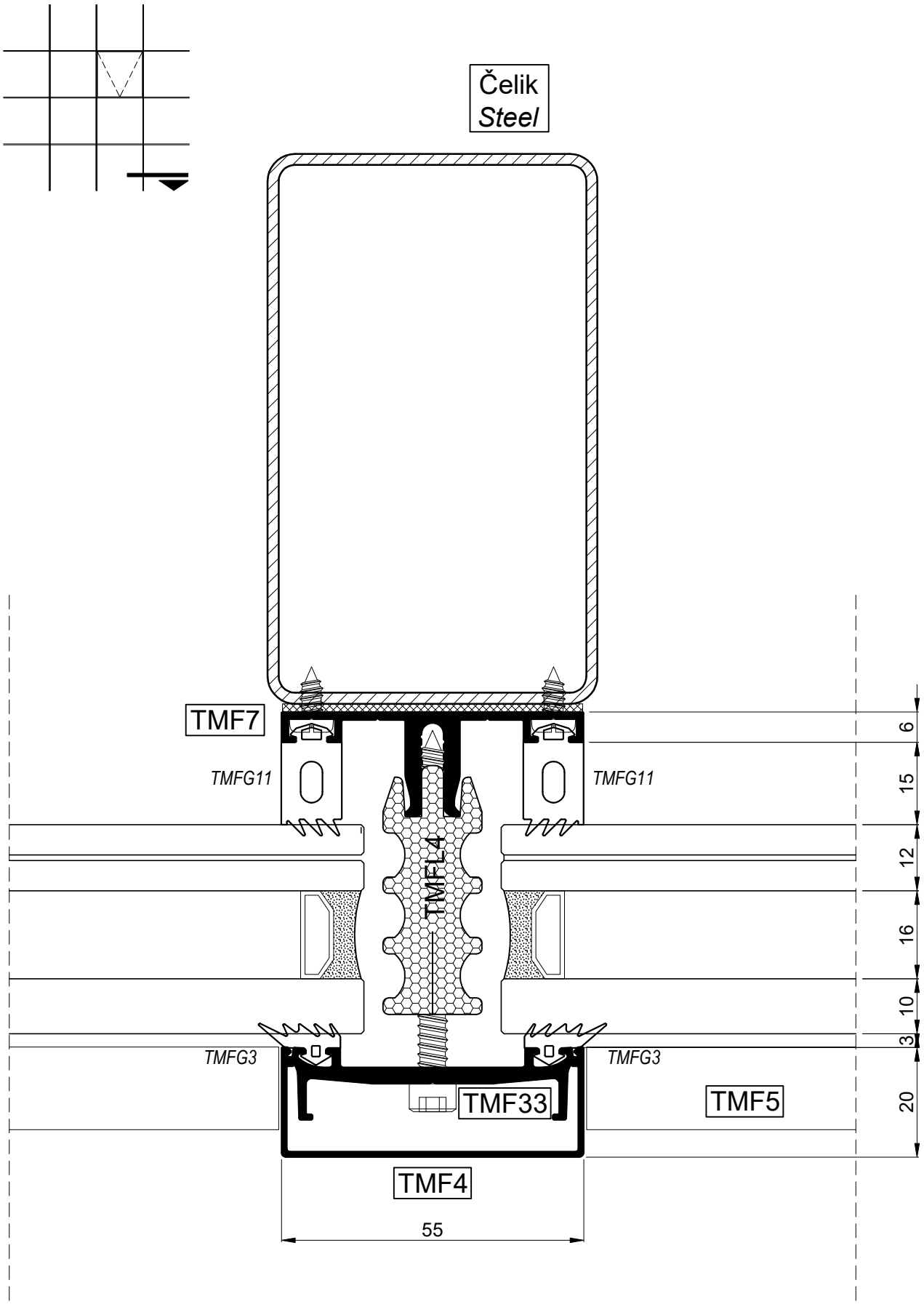

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TMF100
TMF106
TMF106
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147
15
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32
32
TMFG11
TMFG11
TMFL1
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TM79
TM79
20

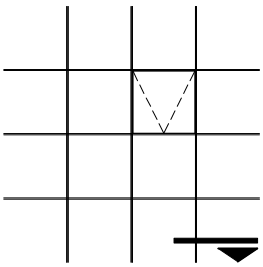


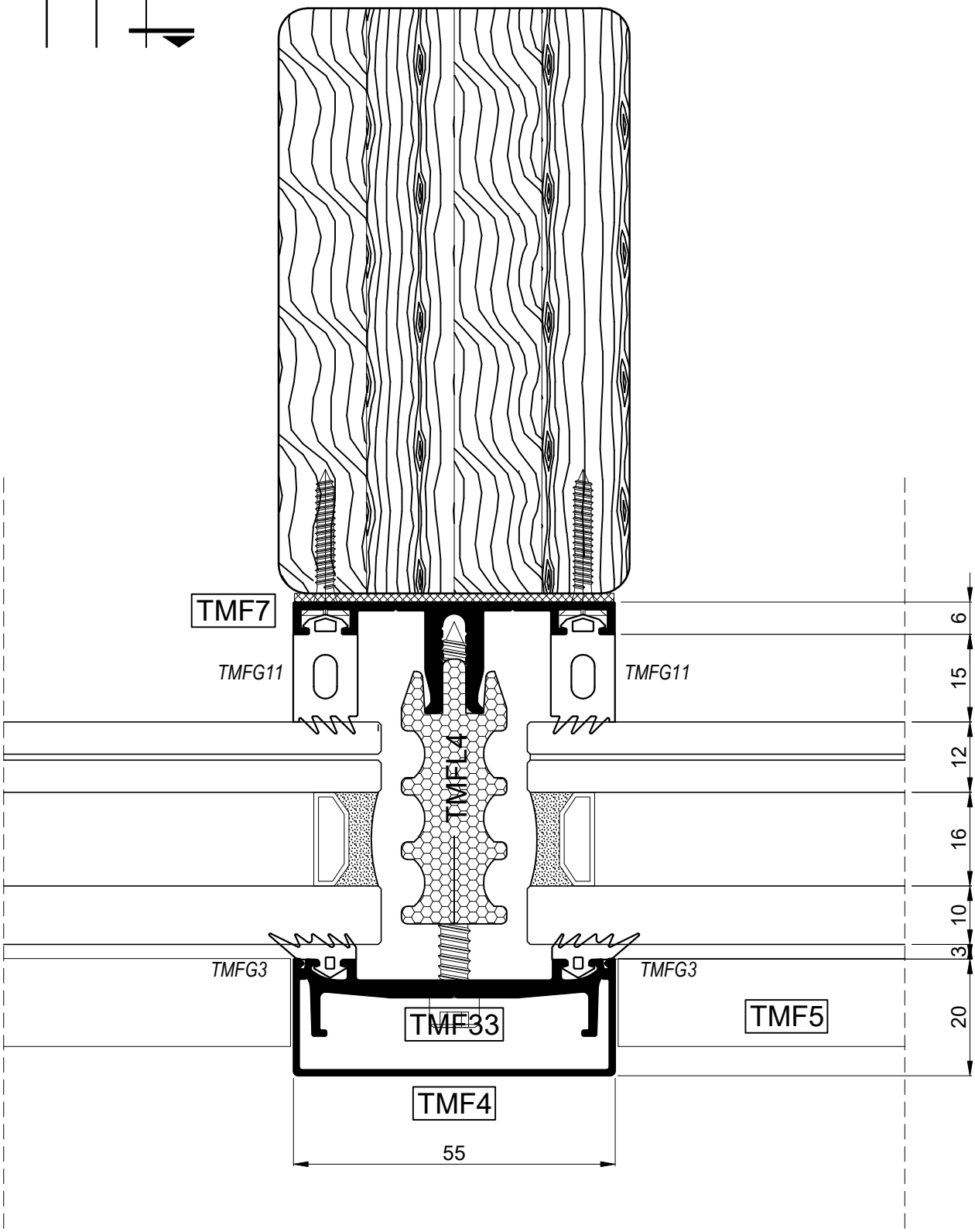

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TMF100
TMF106
TMF106
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162
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TMF18
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15
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TMFG11
TMFL3
23
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TMFG3
TMFG3
4
TMF33
TMF5
20
TMF4
55




18
32
115
TMF4
TMF100
TMF7
TMFG3
TMF19
TMFG28
55
TMF5
TMFL3
TMF33
TMFG3
TMFG28
18
32
115
8


Čelik
Steel
TMF7
TMFG11
TMFG11
TMFL4
TMFG3
TMFG3
TMF33
TMF5
TMF4
55
6
15
12
16
10
3
20




Drvo
Wood
TMF7
TMFG11
TMFG11
TMFL4
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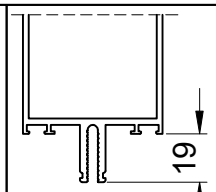
Mašinska obrada
Machining
Обработка

&

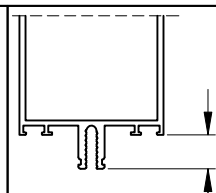
Sklapanje
Assembly
Ассамблея

ALUMINIK CS55

Stub Mullion Средник	
G1	TMF75
	TMF100
	TMF125
	TMF150
	TMF175

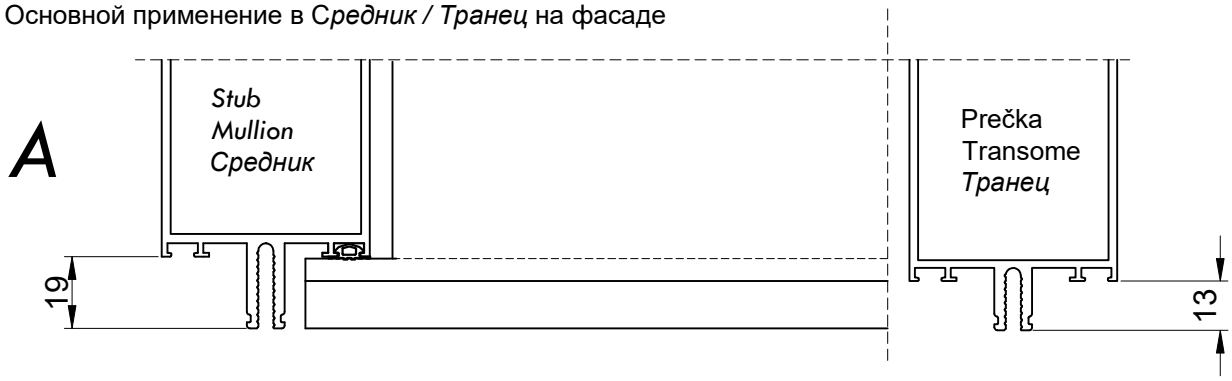


Prečka Transom Транец	
G2	TMF2
	TMF21
	TMF106
	TMF71
	TMF156
	TMF181

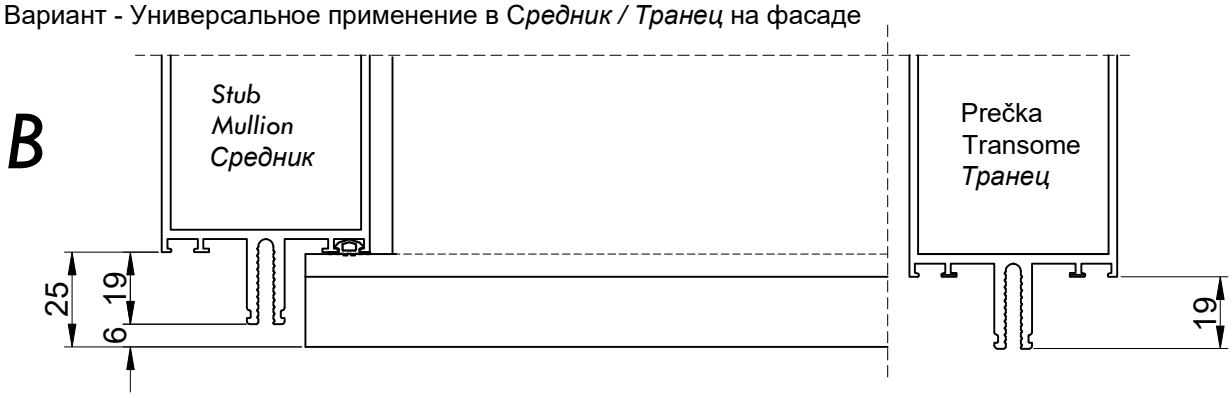


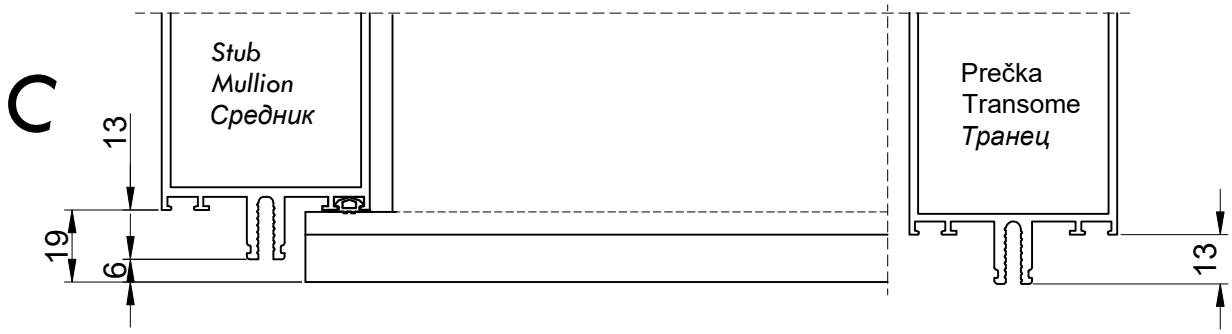
Stub/Prečka Mullion / Transome Средник / Транец			
		Stub/Mullion/Средник	
		G1	G2
Prečka/Transome/Транец	G1	B	
	G2	A	C

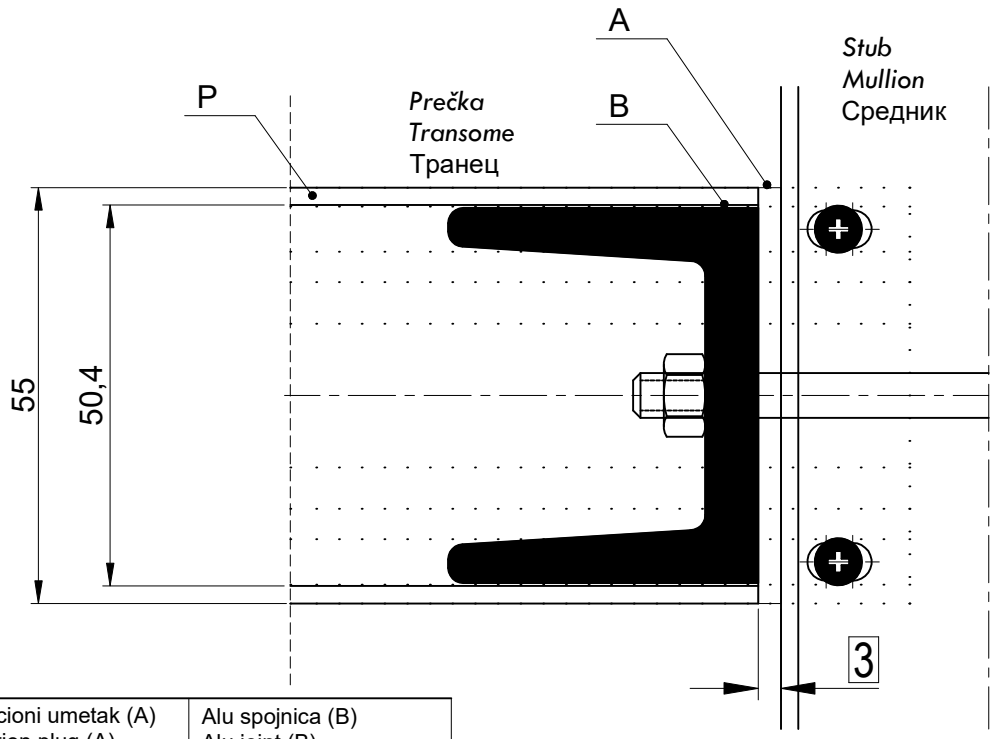
Primarna primena Stuba/Prečke na fasadi.
Primery application of the Mullion/Transom on the facade.
Основной применение в С*редник / Транец* на фасаде



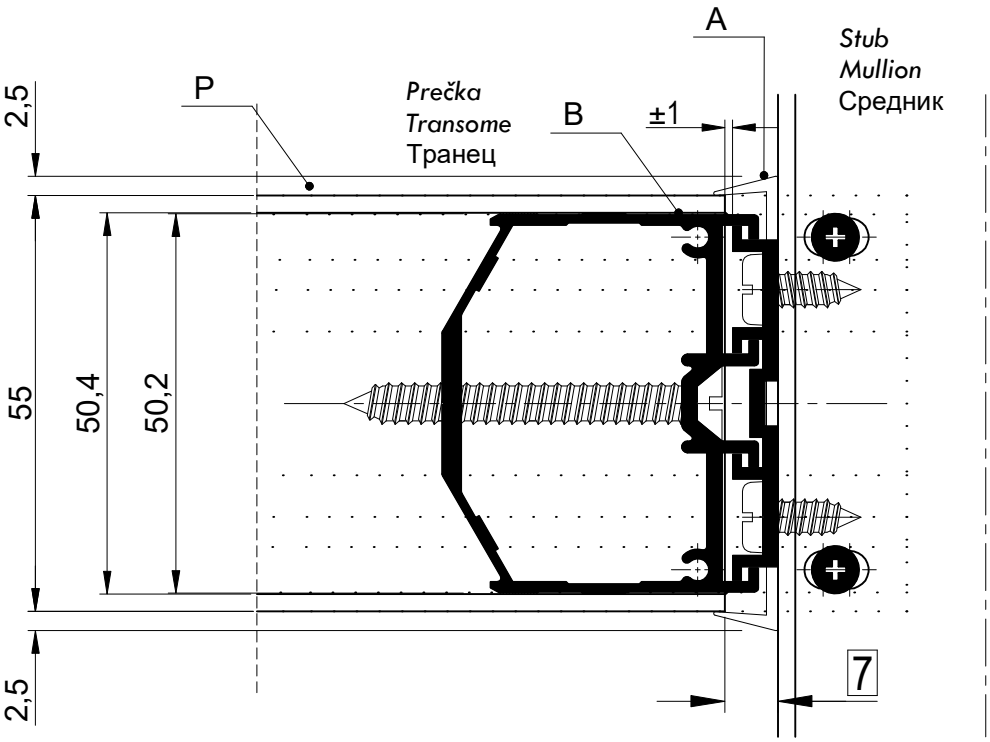
Opcija - Univerzalna primena Stuba/Prečke na fasadi.
Option - Universal application of the Mullion/Transom on the facade.
Вариант - Универсальное применение в С*редник / Транец* на фасаде



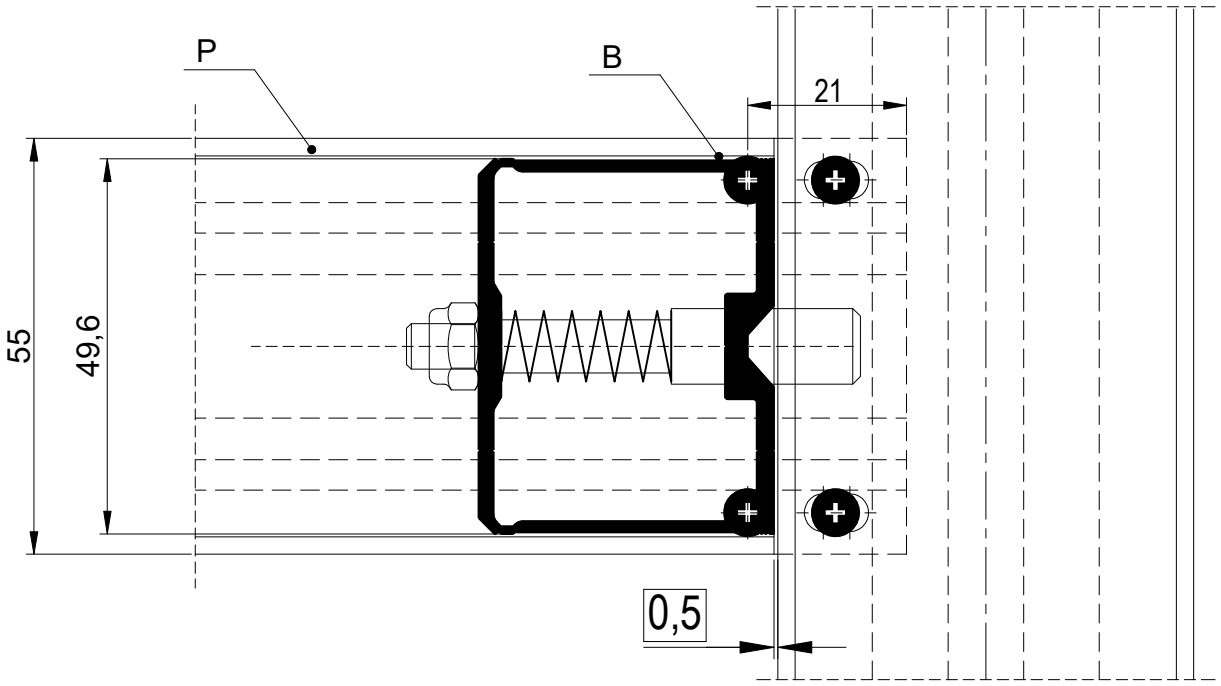




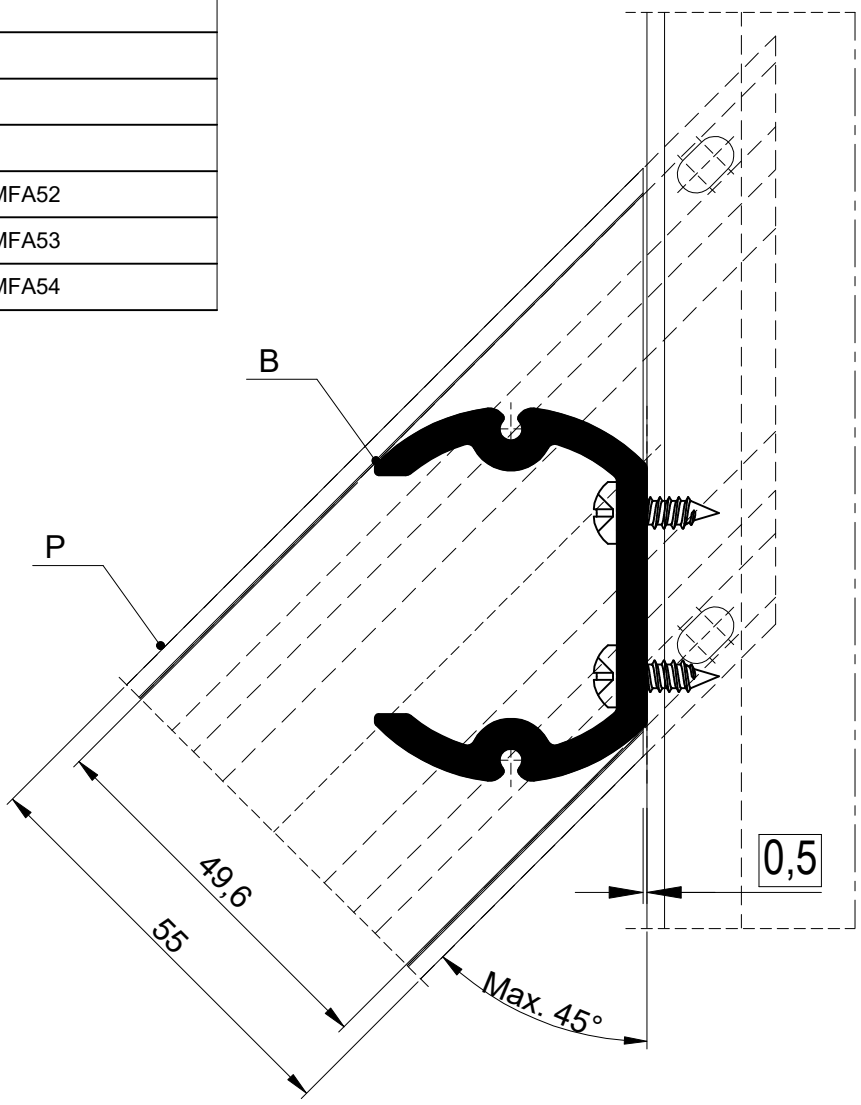
Prečka (P) Transome (P) Транец (P)	Dilatacioni umetak (A) Dilatation plug (A) Дилатации вставка (A)	Alu spojnica (B) Alu joint (B) Алю соединение (B)
TMF2	TMFA4	TMFG8
TMF21	TMFA3	TMFG7



Prečka (P) Transome(P) Транец (P)	Dilatacioni umetak (A) Dilatation plug (A) Дилатации вставка (A)	Alu spojnica (B) Alu joint (B) Алю соединение (B)
TMF2	TMFP9	TMFA6
TMF21	TMFP10	TMFA7
TMF71	TMFP11	TMFA8

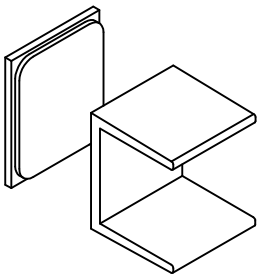


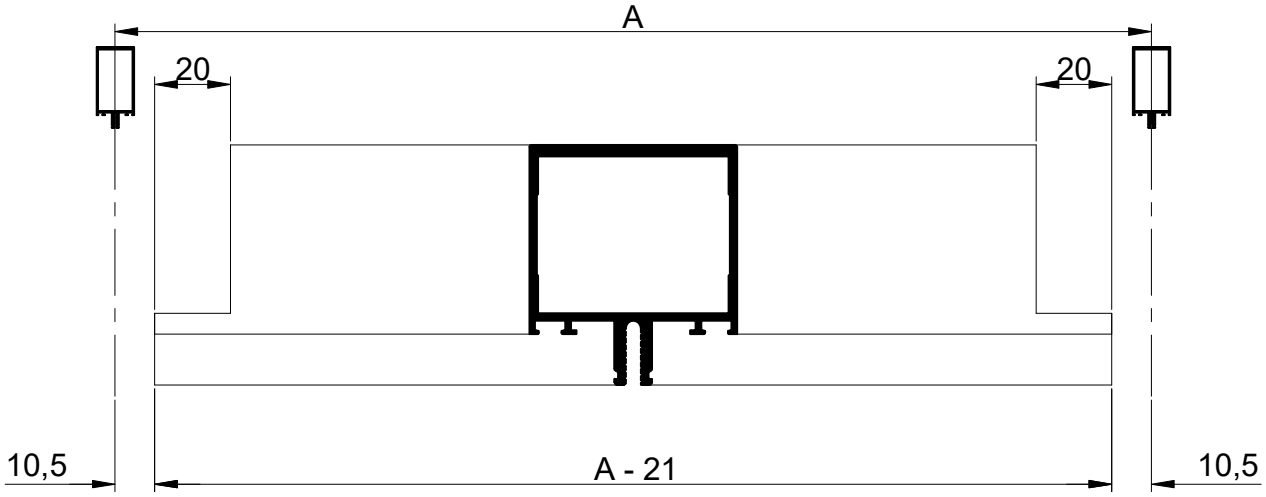
Prečka (P) Transome(P) Транец (P)	Alu spojnica (B) Alu joint (B) Алю соединение (B)	Alu spojnica (B) Alu joint (B) Алю соединение (B)
TMF2	TMFA44	
TMF81	TMFA45	
TMF21	TMFA46	
TMF106	TMFA47	
TMF131	TMFA48	
TMF71	TMFA49	TMFA52
TMF156	TMFA50	TMFA53
TMF181	TMFA51	TMFA54



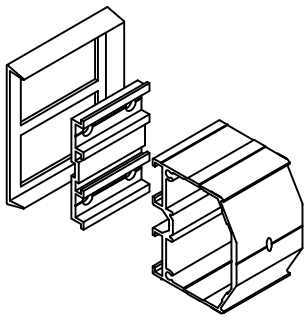
Prečka (P) Transome(P) Транец (P)	Alu spojnica (B) Alu joint (B) Алю соединение (B)
TMF2	TMFA34
TMF81	TMFA35
TMF21	TMFA36
TMF106	TMFA37
TMF131	TMFA38
TMF71	TMFA39
TMF156	TMFA40
TMF181	TMFA41

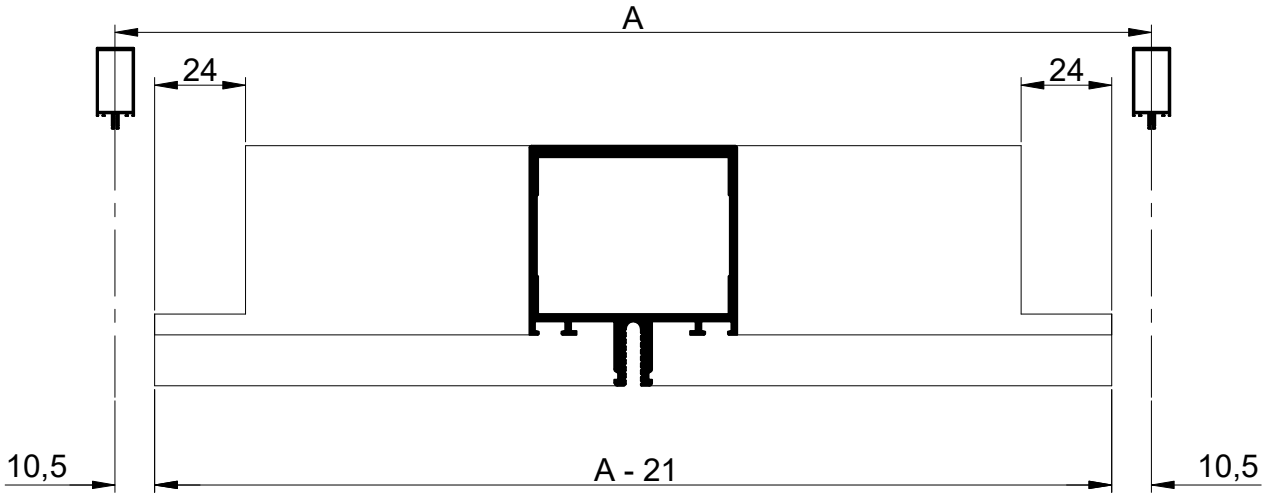
Sečenje prečke za spojnice TMFA3
Cutting transom for joint TMFA4
Резка транец за соединение





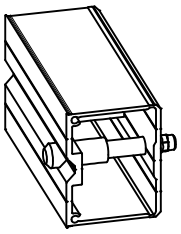
Sečenje prečke za spojnice TMFA6
Cutting transom for joint TMFA7
Резка транец за соединение TMFA8
TMFA21

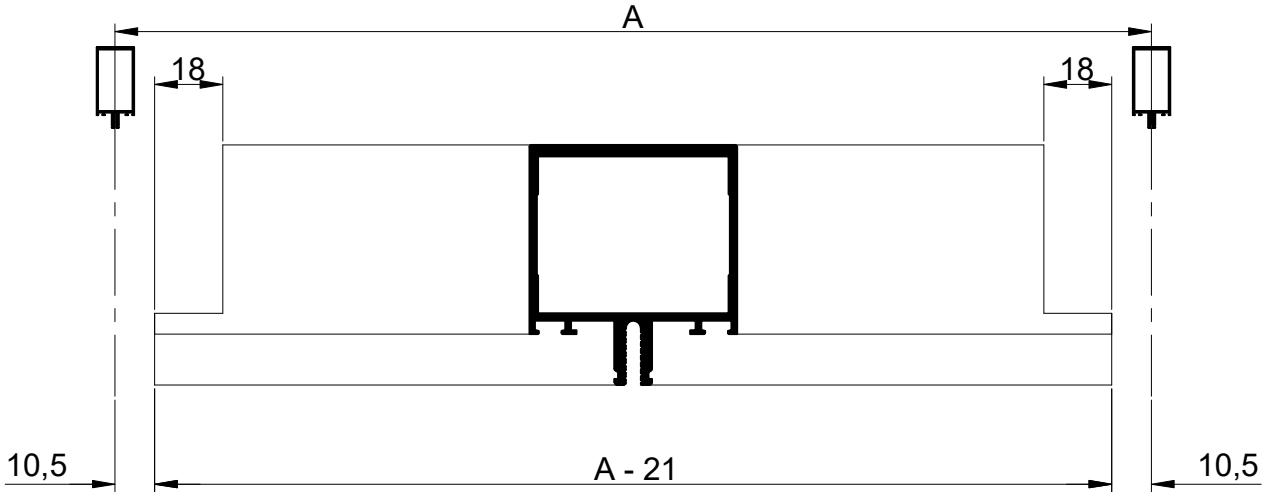




Sečenje prečke za spojnice
Cutting transom for joint
Резка транец за соединение

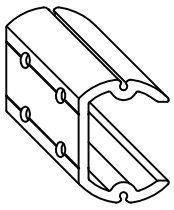
TMFA44
TMFA45
TMFA46
TMFA47
TMFA48
TMFA49
TMFA50
TMFA51
TMFA52
TMFA53
TMFA54

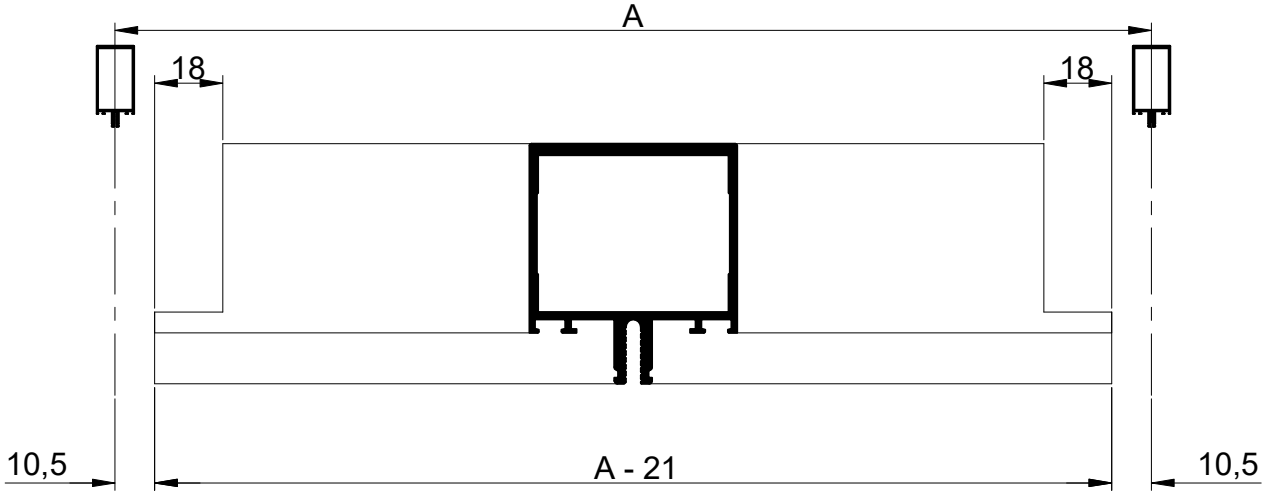




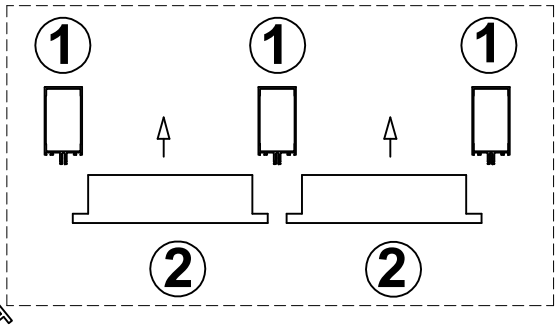
Sečenje prečke za spojnice
Cutting transom for joint
Резка транец за соединение

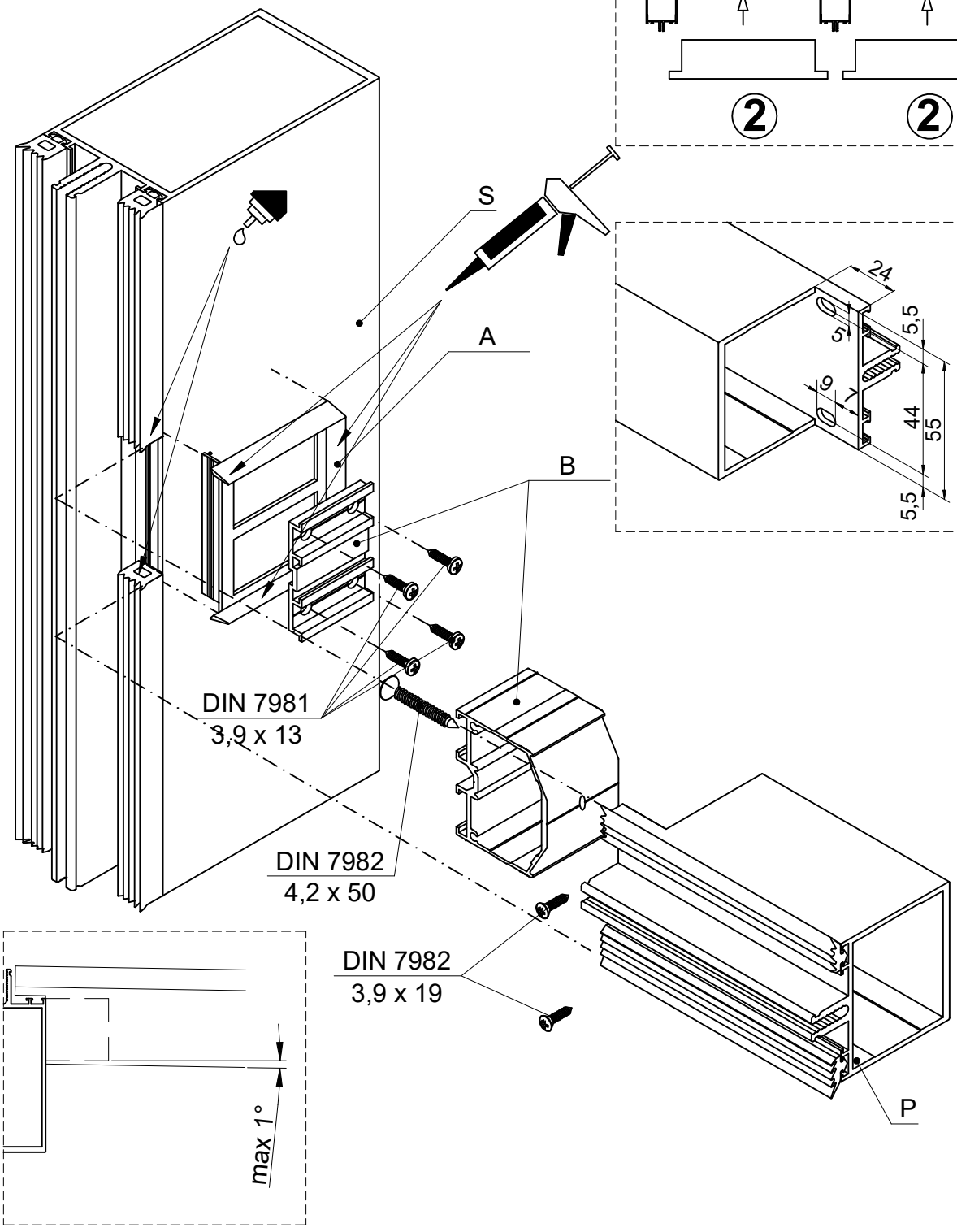
TMFA34
TMFA35
TMFA36
TMFA37
TMFA38
TMFA39
TMFA40
TMFA41

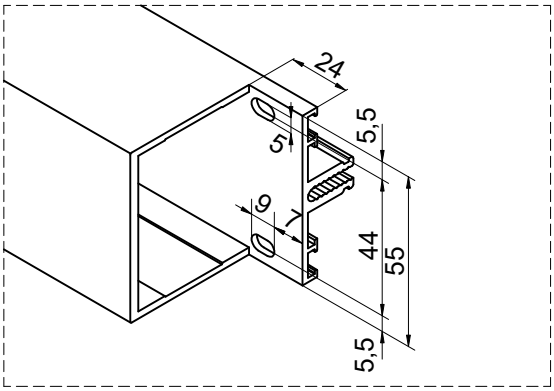




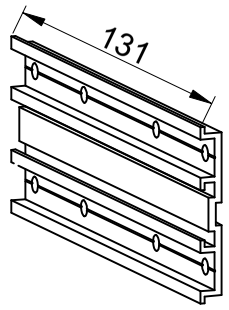
Redosled montaže
Order of assembly
Последовательность сборки



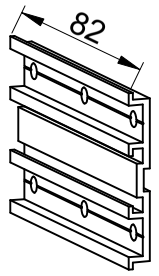




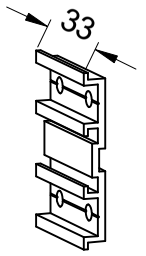
Stub (S) Mullion(S) Средник (S)	Prečka (P) Transome(P) Транец (P)	Dilatacioni umetak (A) Dilatation plug (A) Дилатации вставка (A)	Alu spojnica (B) Alu joint (B) Алю соединение (B)	Vijak DIN 7981 Screw DIN 7981 Винт DIN 7981	Vijak DIN 7982 Screw DIN 7982 Винт DIN 7982
TMF75 TMF100 TMF125 TMF150 TMF175	TMF2	TMFP9	TMFA6	3,9 x 13 - 4 kom.	3,9 x 19 - 2 kom.
	TMF21	TMFP10	TMFA7	3,9 x 13 - 6 kom.	3,9 x 19 - 2 kom.
	TMF71	TMFP11	TMFA8	3,9 x 13 - 8 kom.	3,9 x 19 - 2 kom.



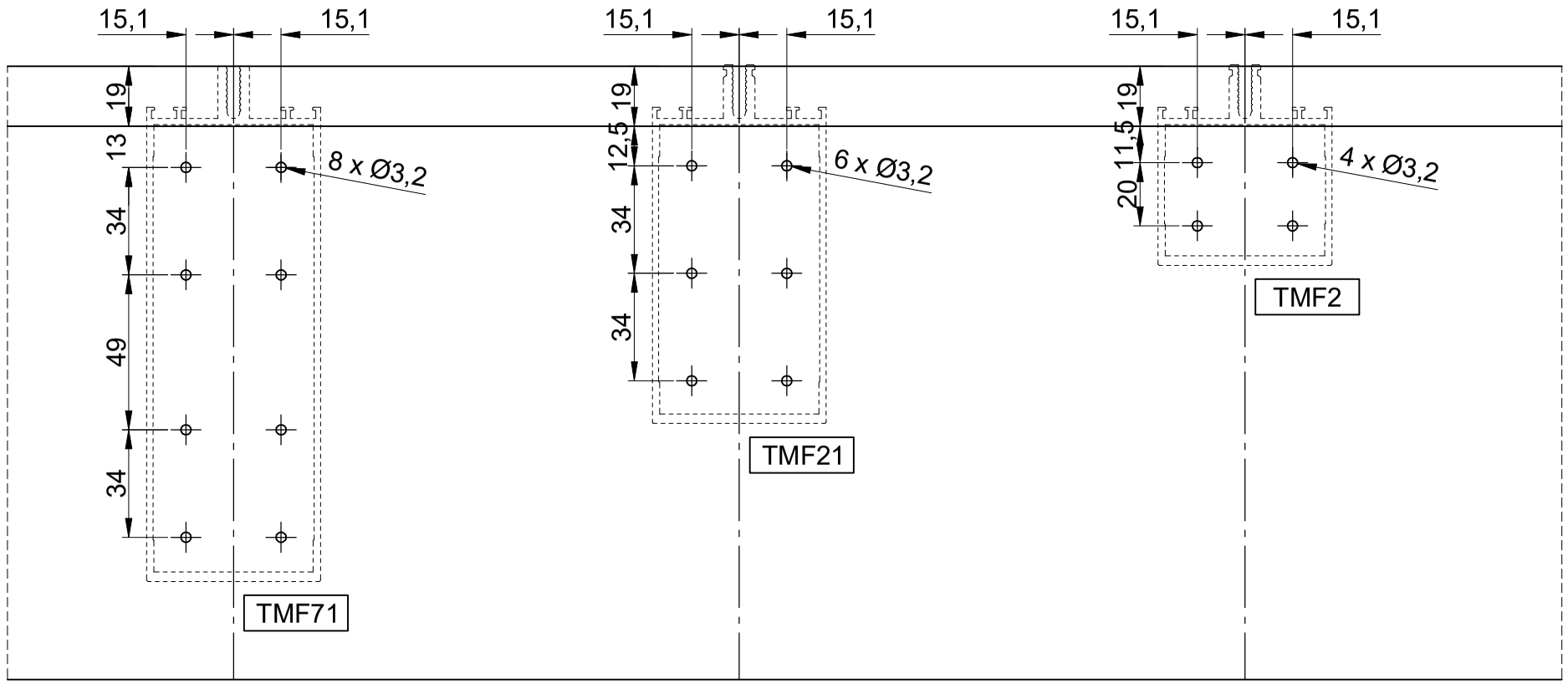
TMFA8

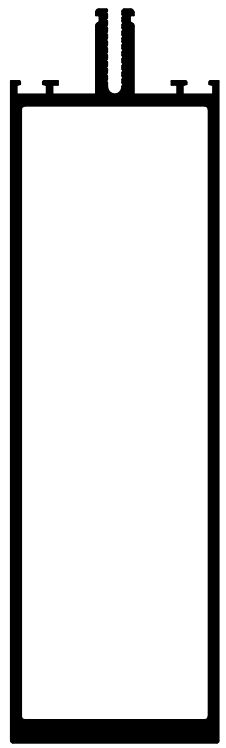


TMFA7

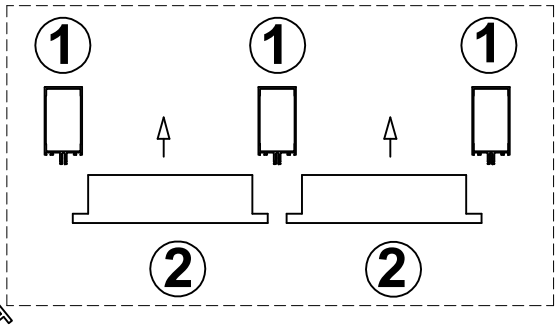


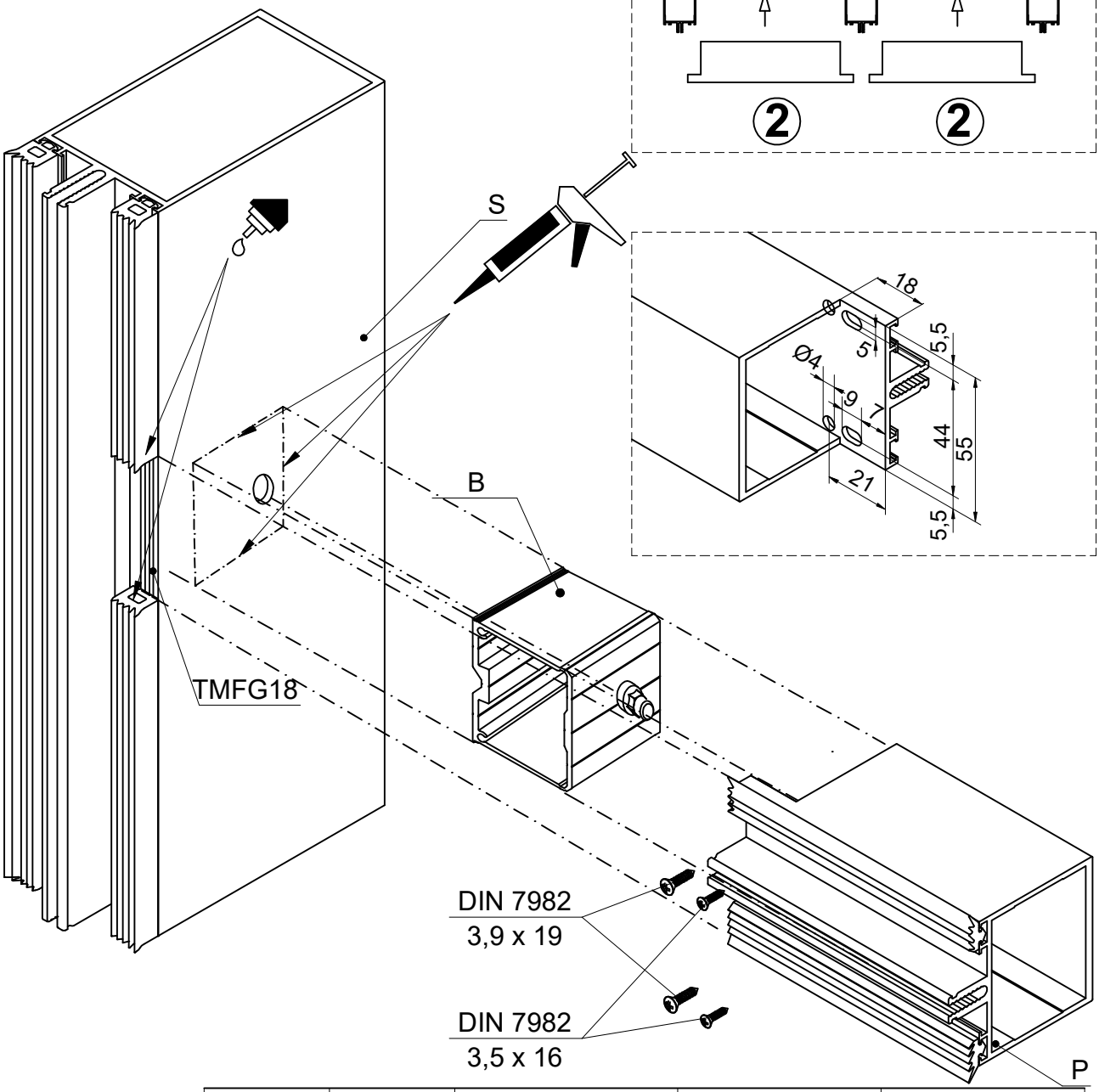
TMFA6



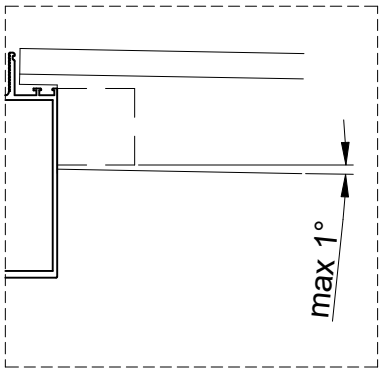


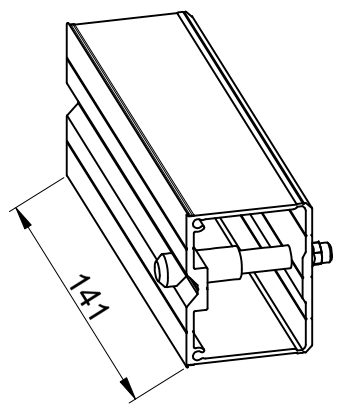
Redosled montaže
Order of assembly
Последовательность сборки



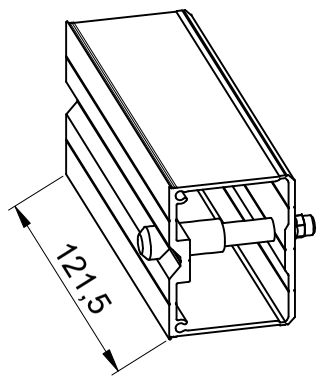


Stub (S) Mullion(S) Средник (S)	Prečka (P) Transome(P) Транец (P)	Alu spojnica (B) Alu joint (B) Алю соединение (B)	Vijak DIN 7982 Screw DIN 7982 Винт DIN 7982	Vijak DIN 7982 Screw DIN 7982 Винт DIN 7982
TMF75 TMF100 TMF125 TMF150 TMF175	TMF2	TMFA44	3,9 x 19 - 2 kom.	3,5 x 16 - 2 kom.
	TMF81	TMFA45	3,9 x 19 - 2 kom.	3,5 x 16 - 2 kom.
	TMF21	TMFA46	3,9 x 19 - 2 kom.	3,5 x 16 - 2 kom.
	TMF106	TMFA47	3,9 x 19 - 2 kom.	3,5 x 16 - 2 kom.
	TMF131	TMFA48	3,9 x 19 - 2 kom.	3,5 x 16 - 2 kom.
	TMF71	TMFA49	3,9 x 19 - 2 kom.	3,5 x 16 - 2 kom.
	TMF156	TMFA50	3,9 x 19 - 2 kom.	3,5 x 16 - 2 kom.
	TMF181	TMFA51	3,9 x 19 - 2 kom.	3,5 x 16 - 2 kom.
	TMF71	TMFA52	3,9 x 19 - 2 kom.	3,5 x 16 - 2 kom.
	TMF156	TMFA53	3,9 x 19 - 2 kom.	3,5 x 16 - 2 kom.
	TMF181	TMFA54	3,9 x 19 - 2 kom.	3,5 x 16 - 2 kom.

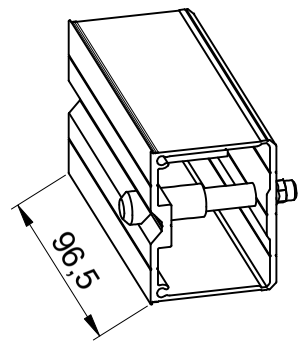




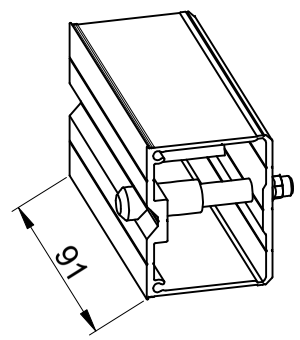
TMFA49



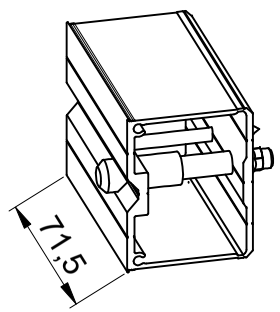
TMFA48



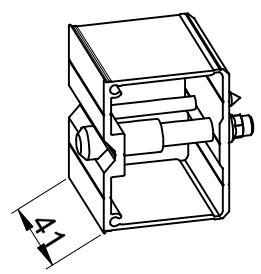
TMFA47



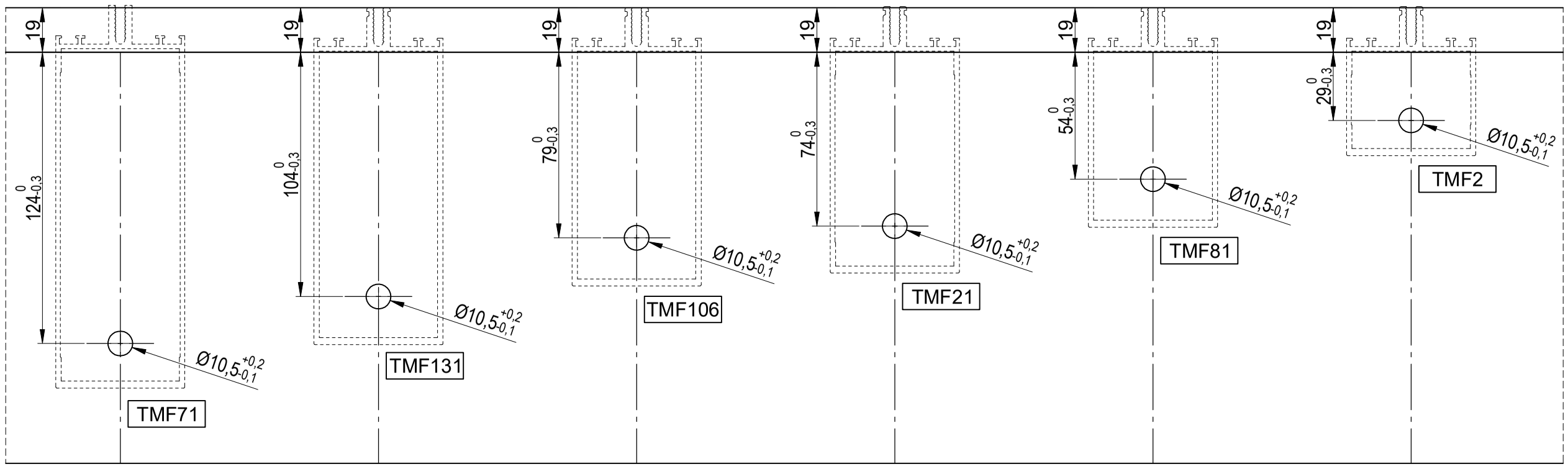
TMFA46

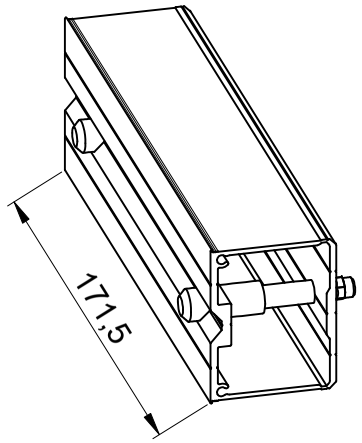


TMFA45

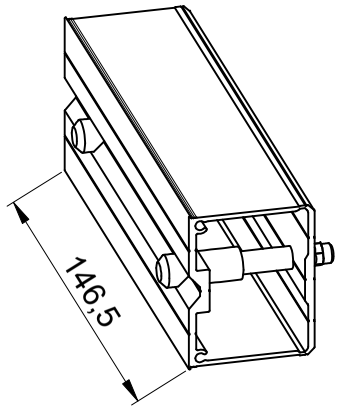


TMFA44

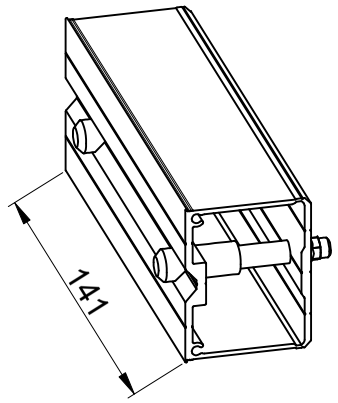




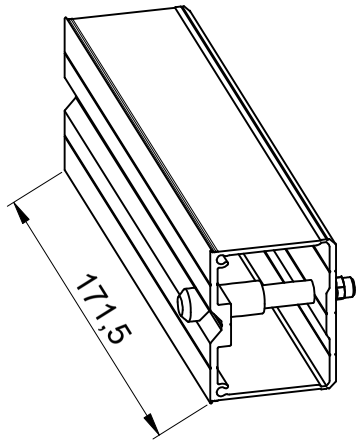
TMFA54



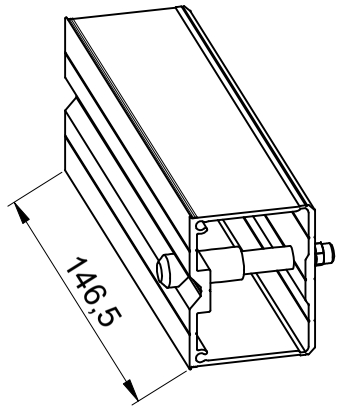
TMFA53



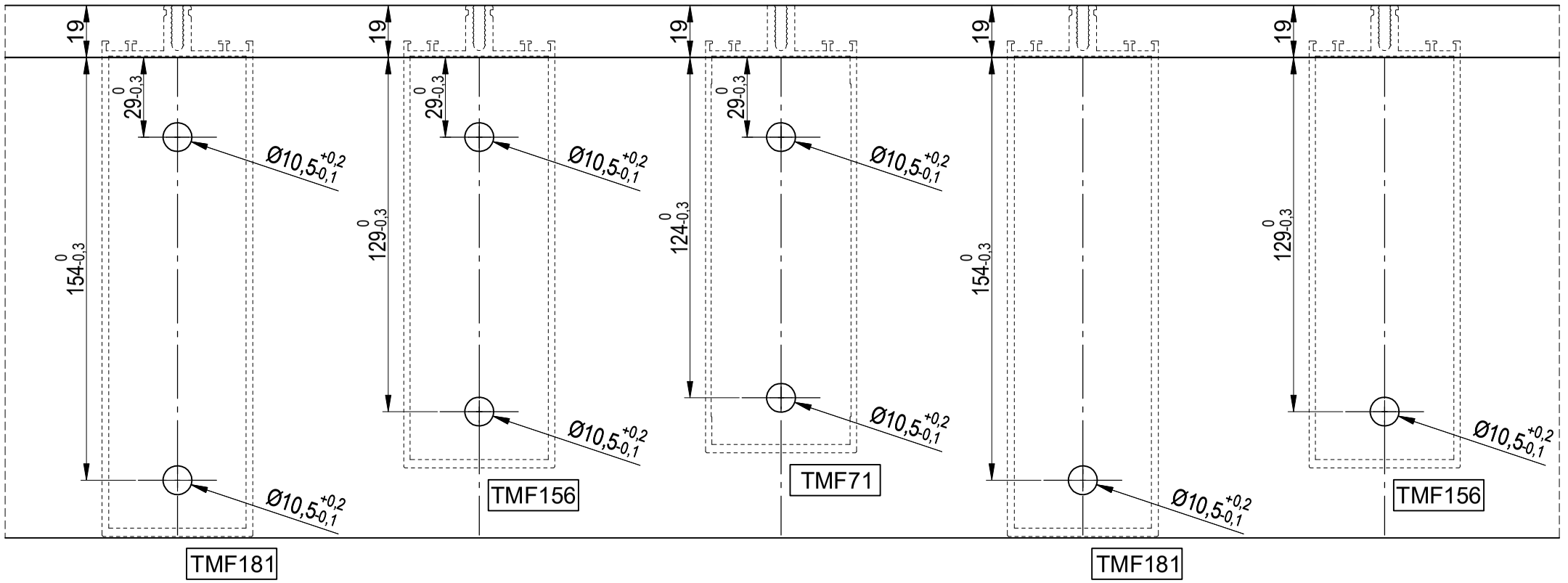
TMFA52

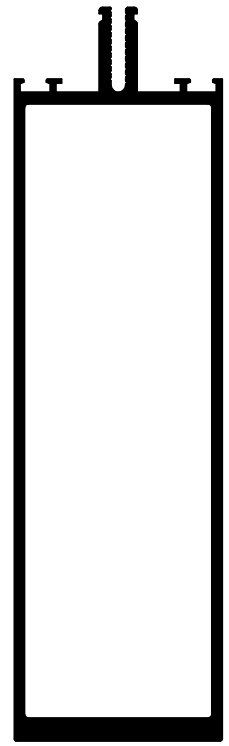


TMFA51

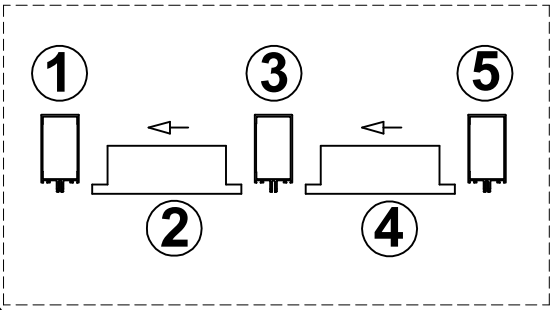


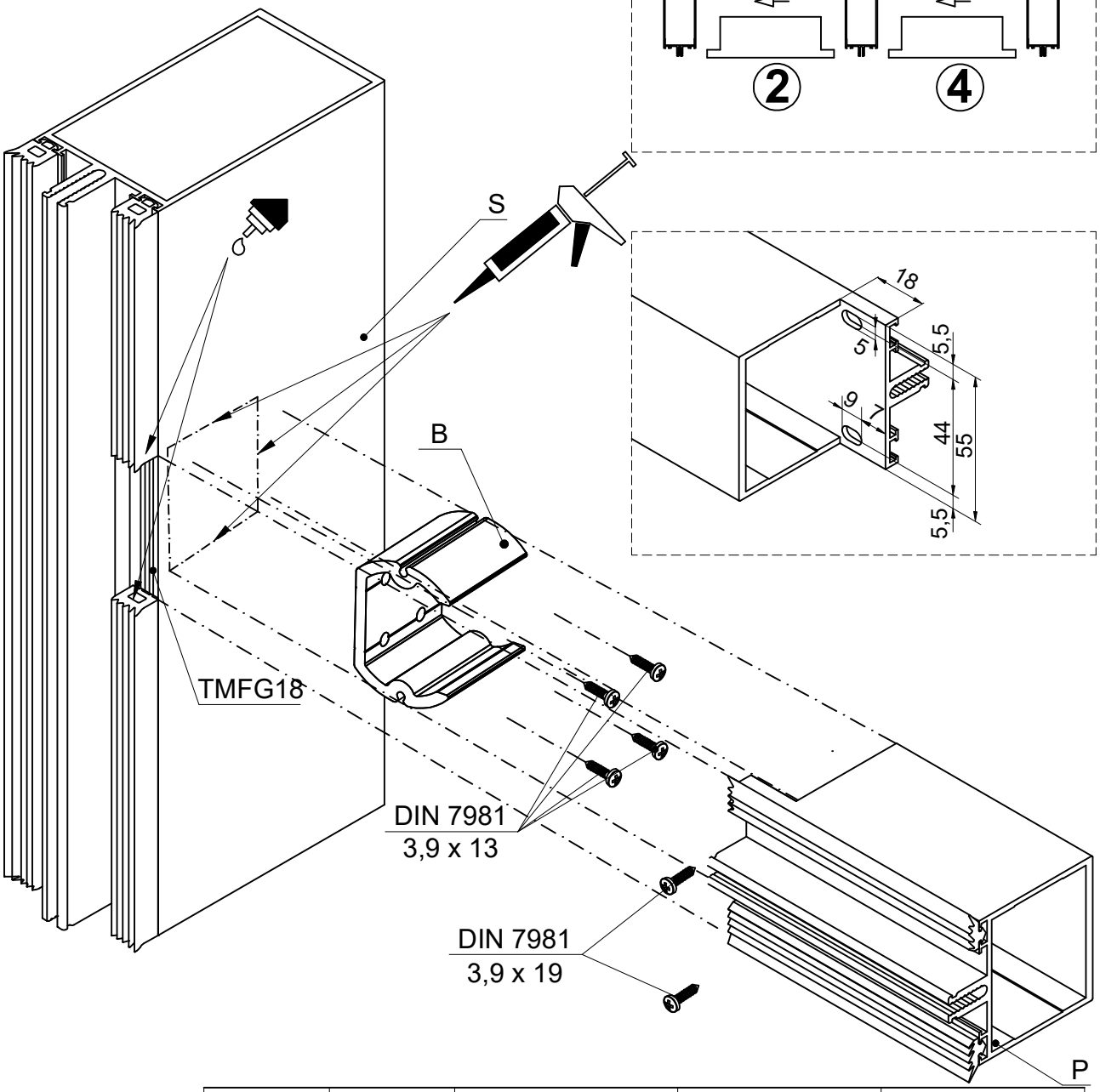
TMFA50



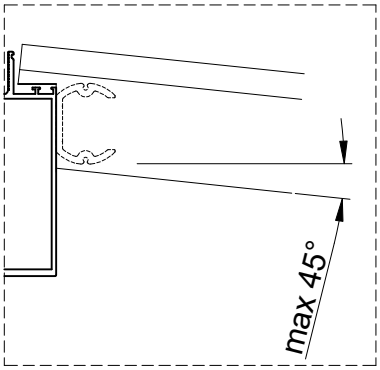


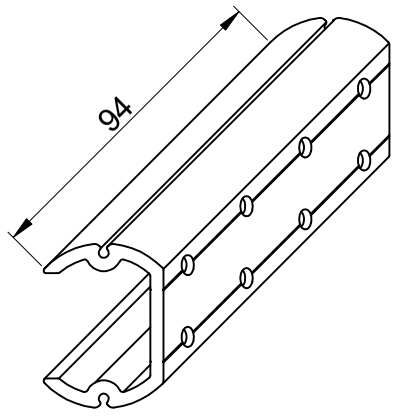
Redosled montaže
Order of assembly
Последовательность сборки



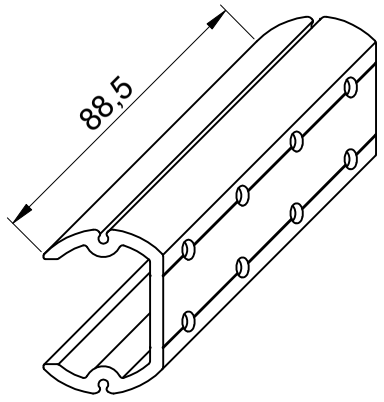


Stub (S) Mullion(S) Средник (S)	Prečka (P) Transome(P) Транец (P)	Alu spojnica (B) Alu joint (B) Алю соединение (B)	Vijak DIN 7981 Screw DIN 7981 Винт DIN 7981	Vijak DIN 7981 Screw DIN 7981 Винт DIN 7981
TMF75 TMF100 TMF125 TMF150 TMF175	TMF2	TMFA34	3,9 x 13 - 4 kom.	3,9 x 19 - 2 kom.
	TMF81	TMFA35	3,9 x 13 - 6 kom.	3,9 x 19 - 2 kom.
	TMF21	TMFA36	3,9 x 13 - 8 kom.	3,9 x 19 - 2 kom.
	TMF106	TMFA37	3,9 x 13 - 8 kom.	3,9 x 19 - 2 kom.
	TMF131	TMFA38	3,9 x 13 - 8 kom.	3,9 x 19 - 2 kom.
	TMF71	TMFA39	3,9 x 13 - 10 kom.	3,9 x 19 - 2 kom.
	TMF156	TMFA40	3,9 x 13 - 10 kom.	3,9 x 19 - 2 kom.
	TMF181	TMFA41	3,9 x 13 - 12 kom.	3,9 x 19 - 2 kom.

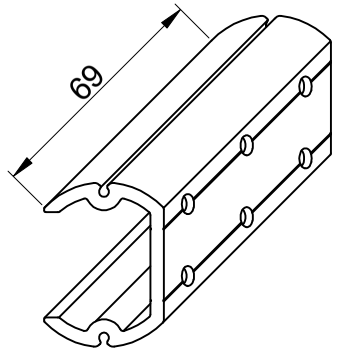




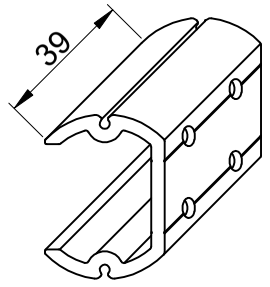
TMFA37



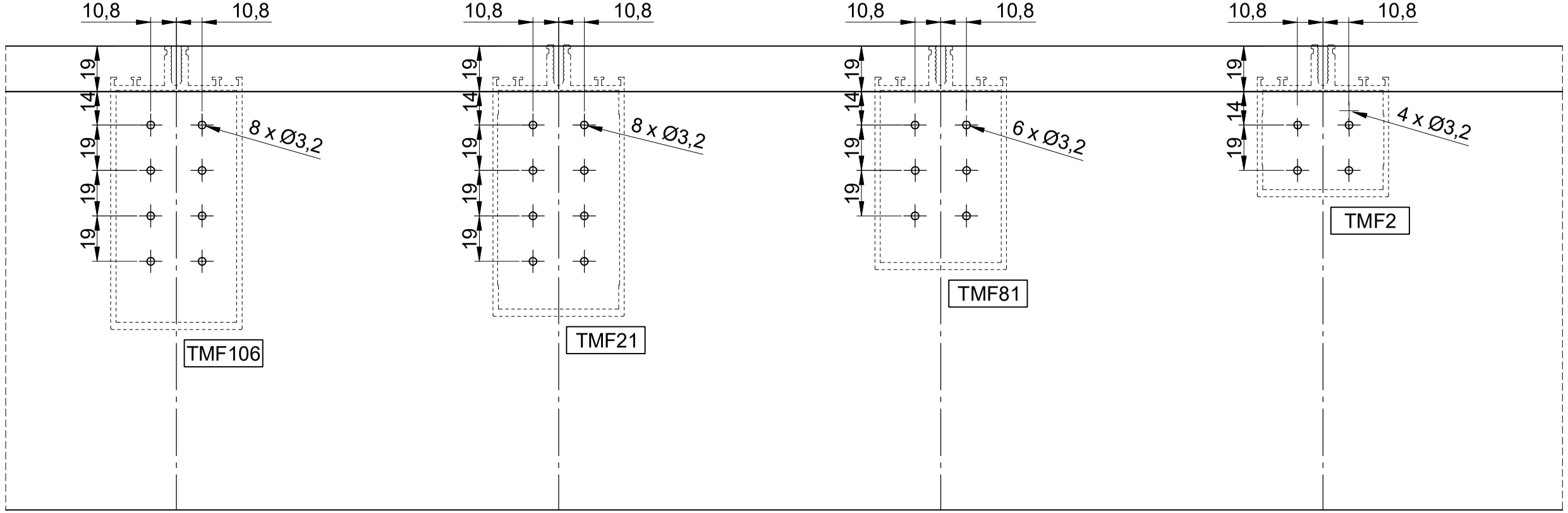
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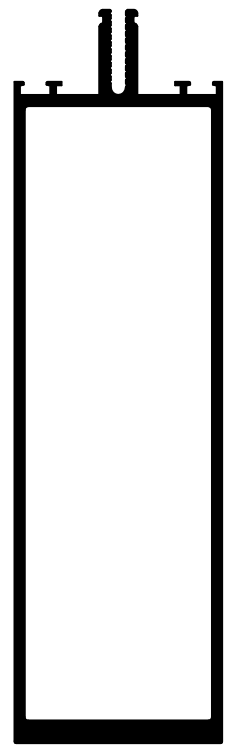


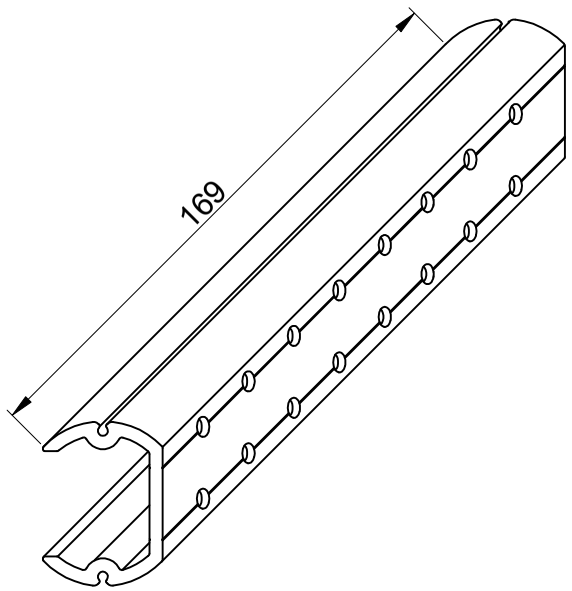
TMFA35



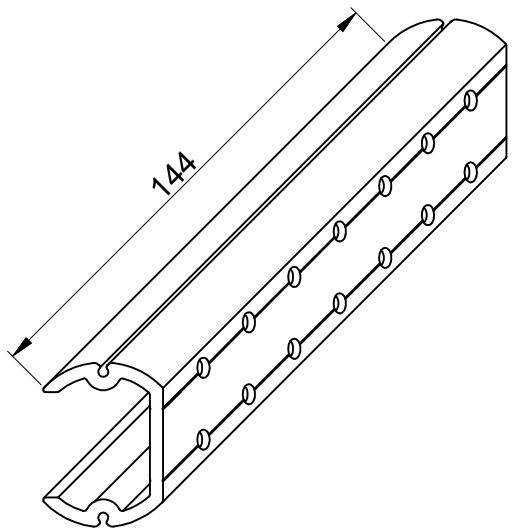
TMFA34



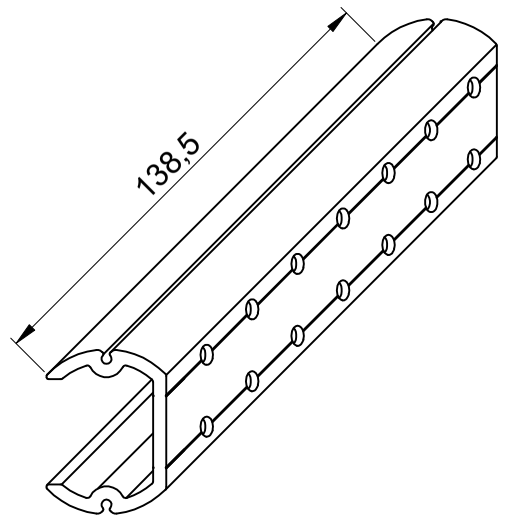




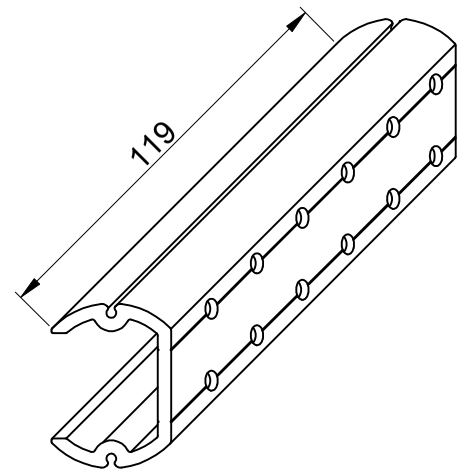
TMFA41



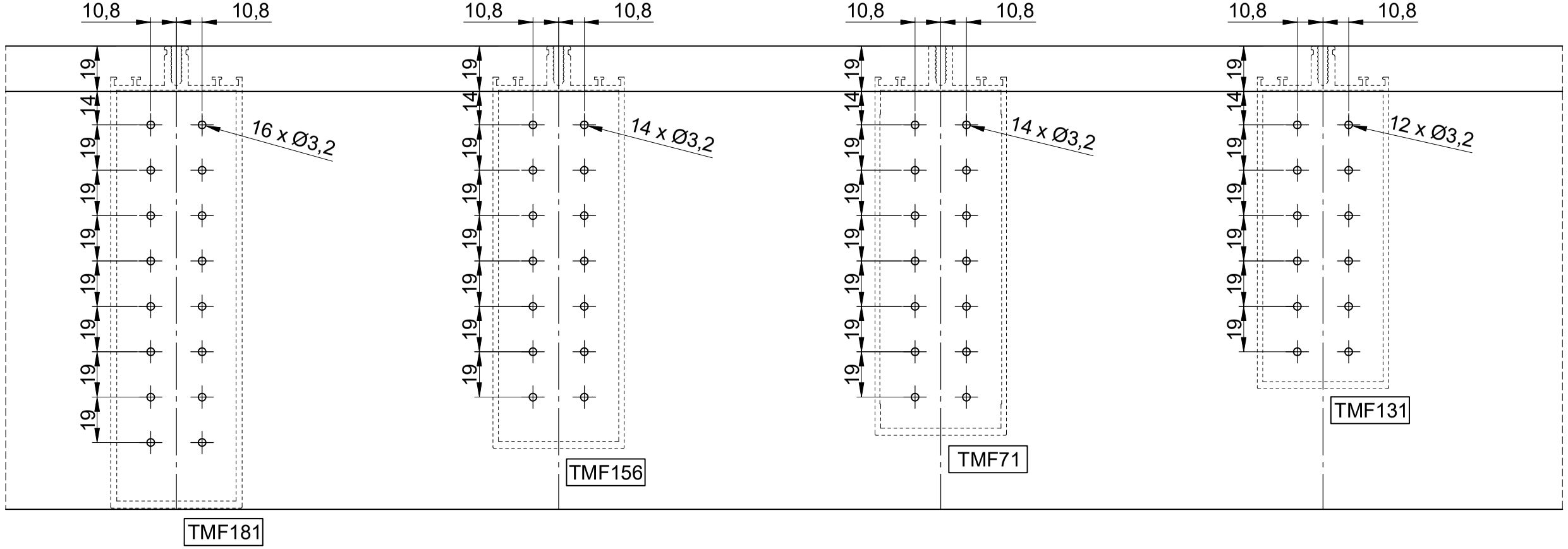
TMFA40

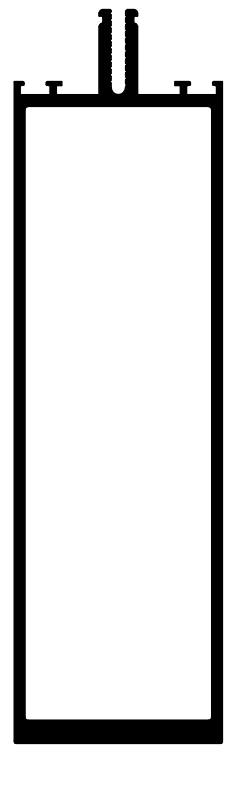


TMFA39

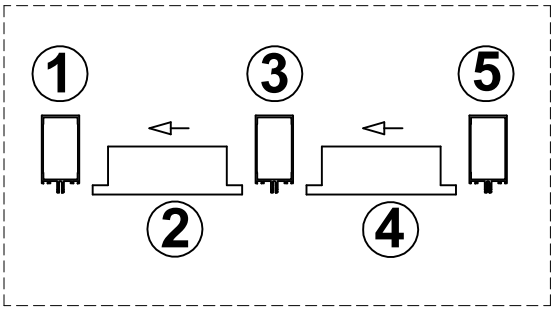


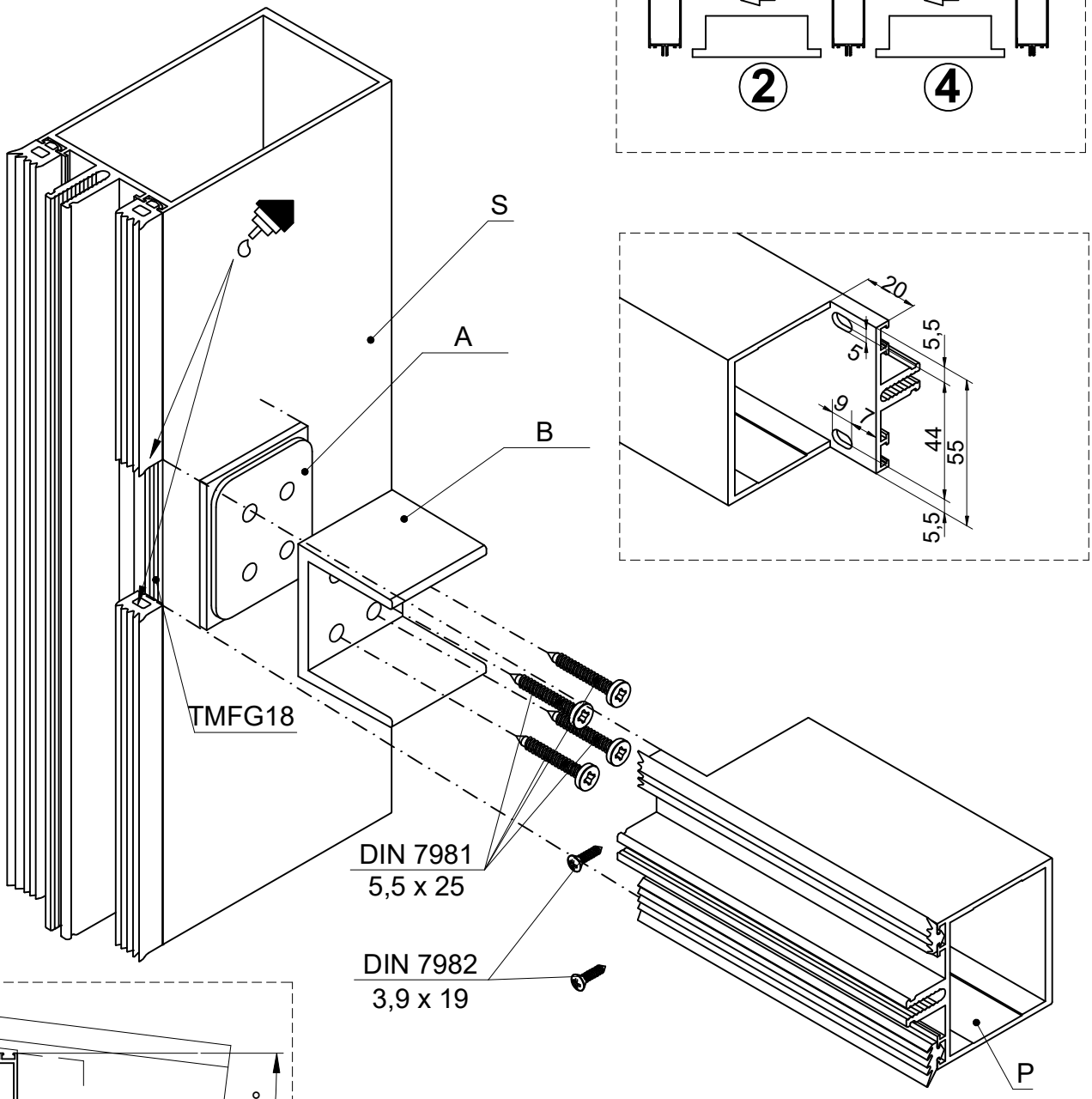
TMFA38

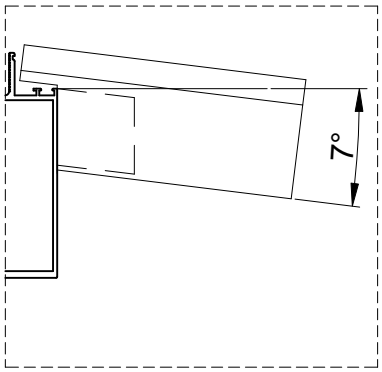




Redosled montaže
Order of assembly
Последовательность сборки



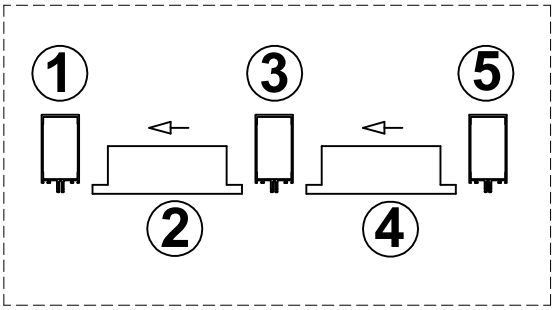


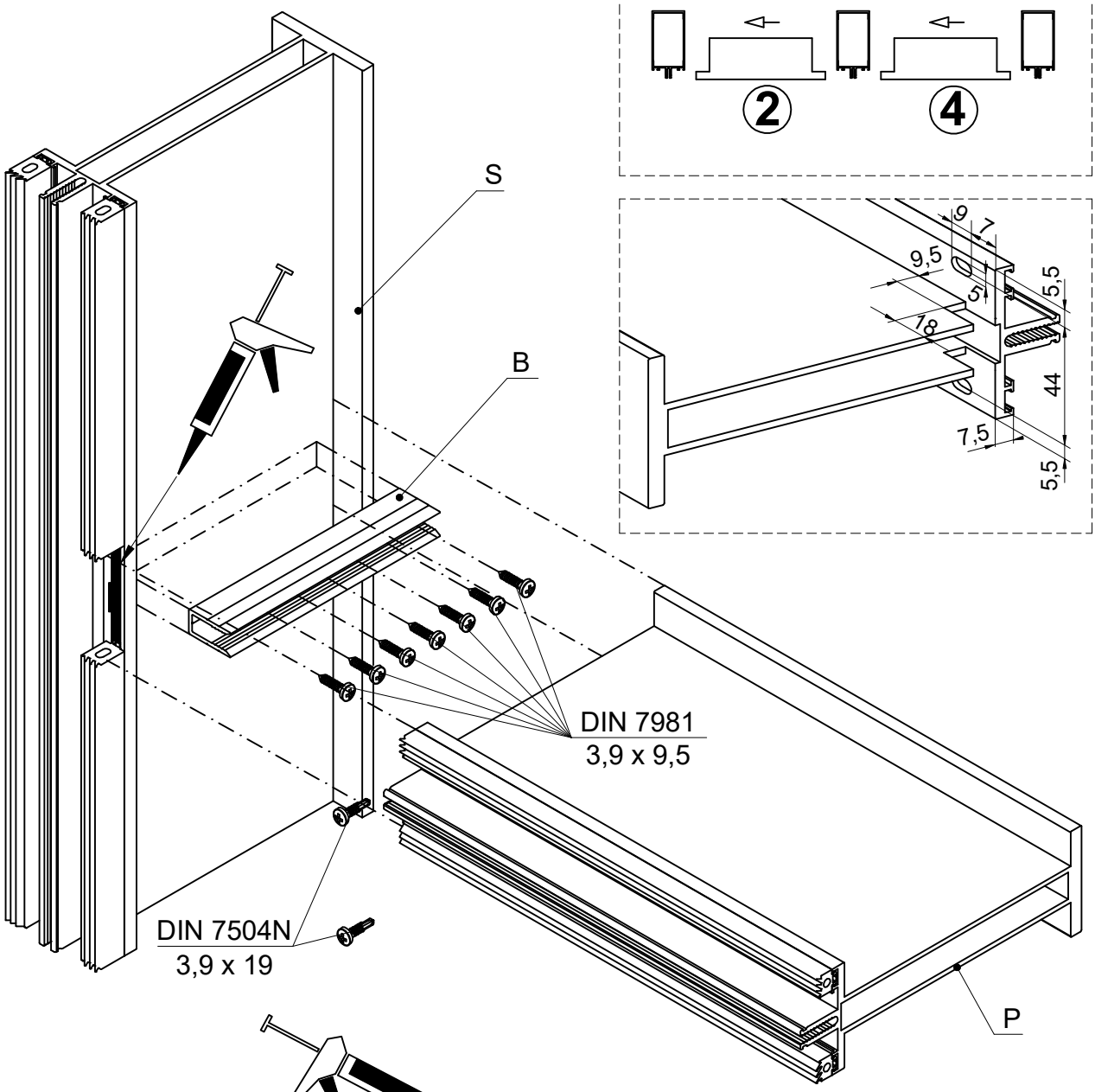


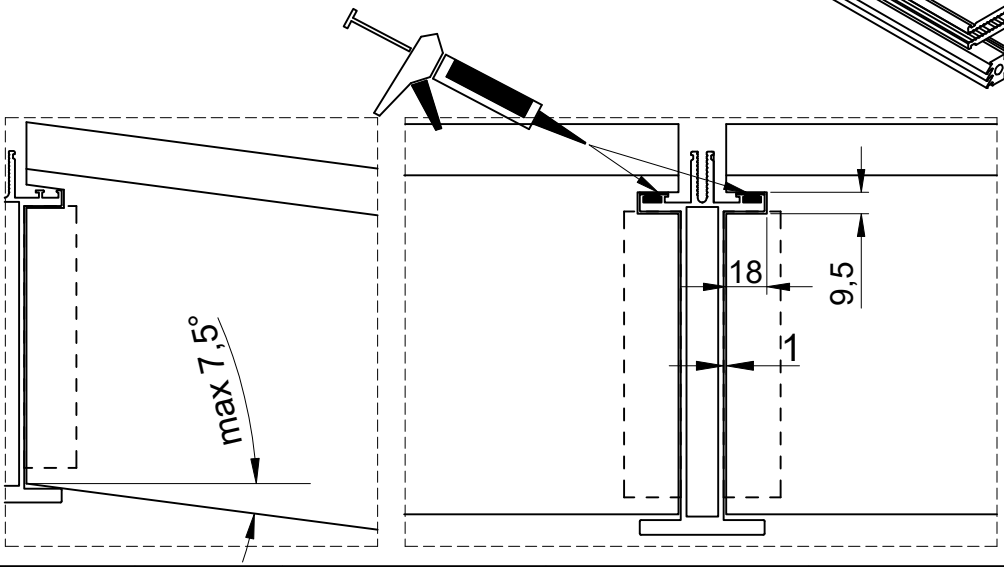
*Za uglove od 1° do 7° spojnicu seći od profila TM58
*For Angles from 1° to 7° cut joint from profile TM58
*Для углов от 1° до 7° соединение разрезе профилей TM58

Stub (S) Mullion(S) Средник (S)	Prečka (P) Transome (P) Транец (P)	Dilatacioni umetak (A) Dilatation plug (A) Дилатации вставка (A)	Alu spojnica (B) Alu joint (B) Алю соединение (B)	Vijak DIN 7982 Screw DIN 7982 Винт DIN 7982	Vijak DIN 7981 Screw DIN 7981 Винт DIN 7981
TMF75 TMF100 TMF125 TMF150 TMF175	TMF2	TMFA4	TMFG8	3,9 x 19 - 2 kom.	5,5 x 25 - 4 kom.
	TMF21	TMFA3	TMFG7	3,9 x 19 - 2 kom.	5,5 x 25 - 4 kom.

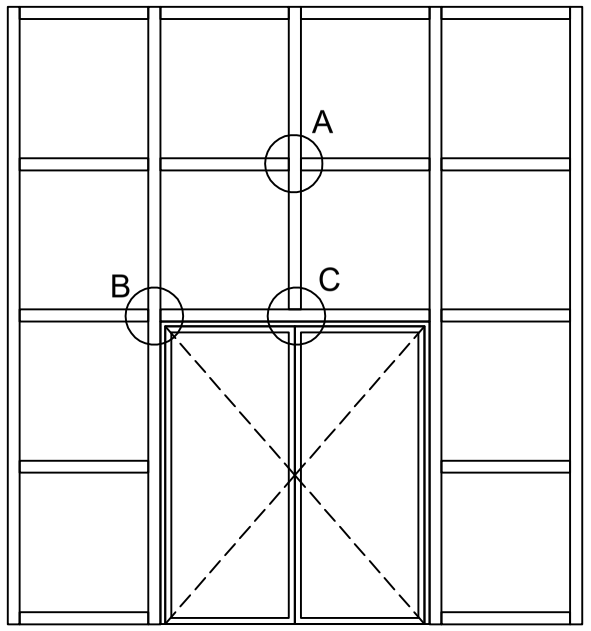
Redosled montaže
Order of assembly
Последовательность сборки



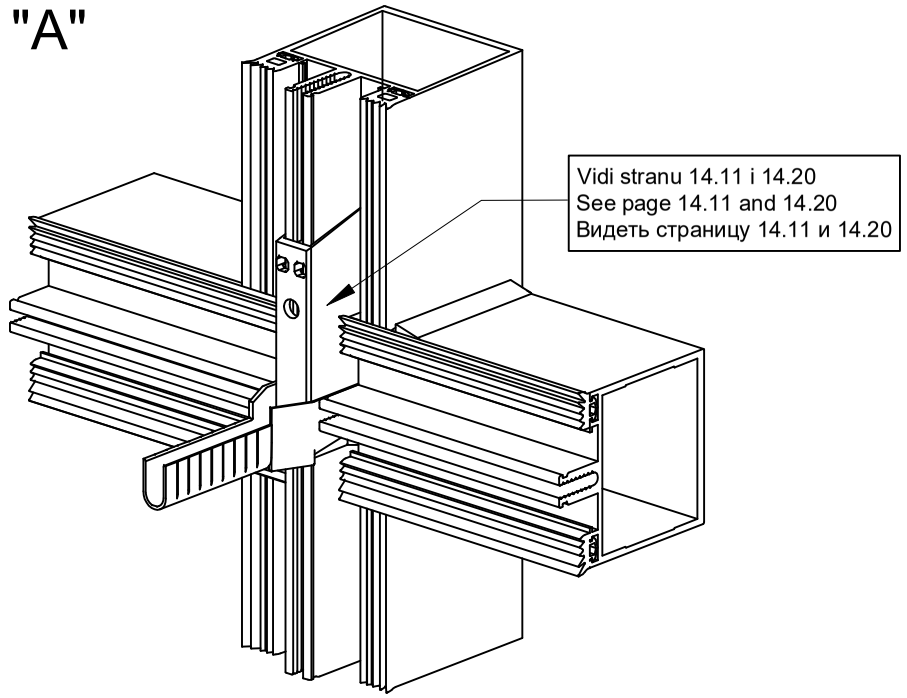




Stub (S) Mullion(S) Средник (S)	Prečka (P) Transome(P) Транец (P)	Dilatacioni umetak (A) Dilatation plug (A) Дилатации вставка (A)	Alu spojnica (B) Alu joint (B) Алю соединение (B)	Vijak DIN 7981 Screw DIN 7981 Винт DIN 7981	Vijak DIN 7504N Screw DIN 7504N Винт DIN 7504N
TMF57	TMF57		TMFA31	3,9 x 9,5 - 7 kom.	3,9 x 19 - 2 kom.

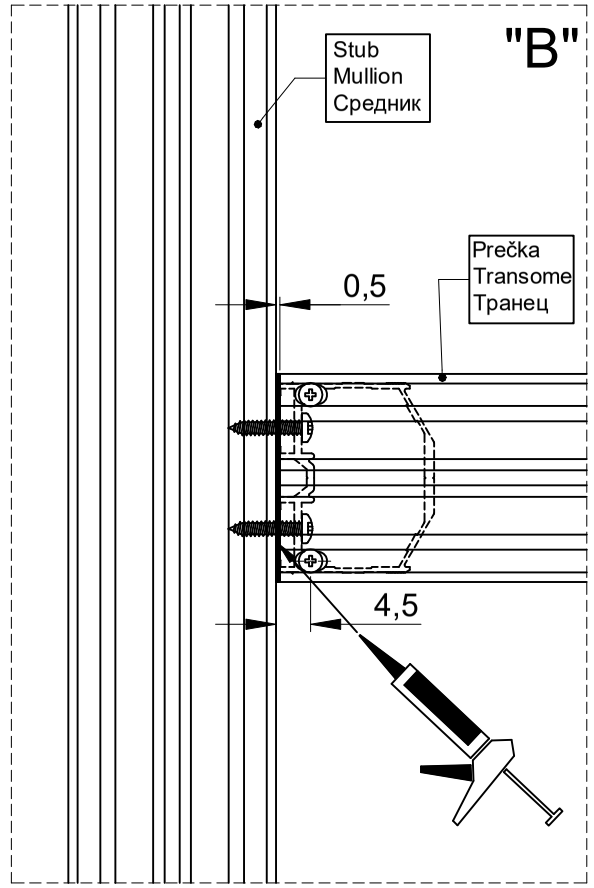


"A"

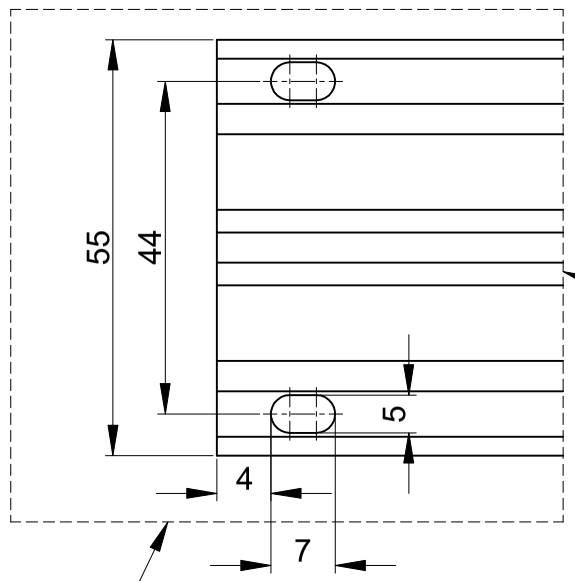


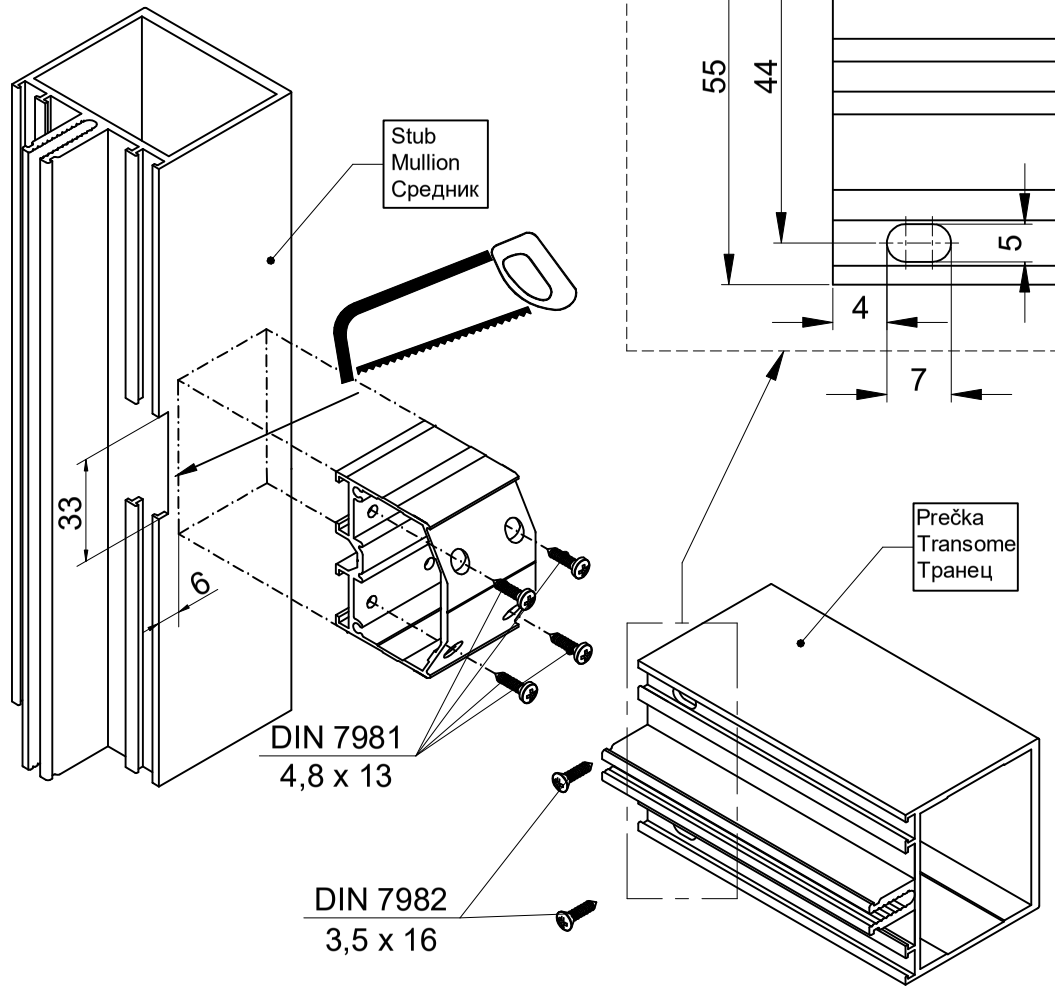
Izvođenje treće ravni
Implemetation of third plane
Выполнение третий уровень

"B"

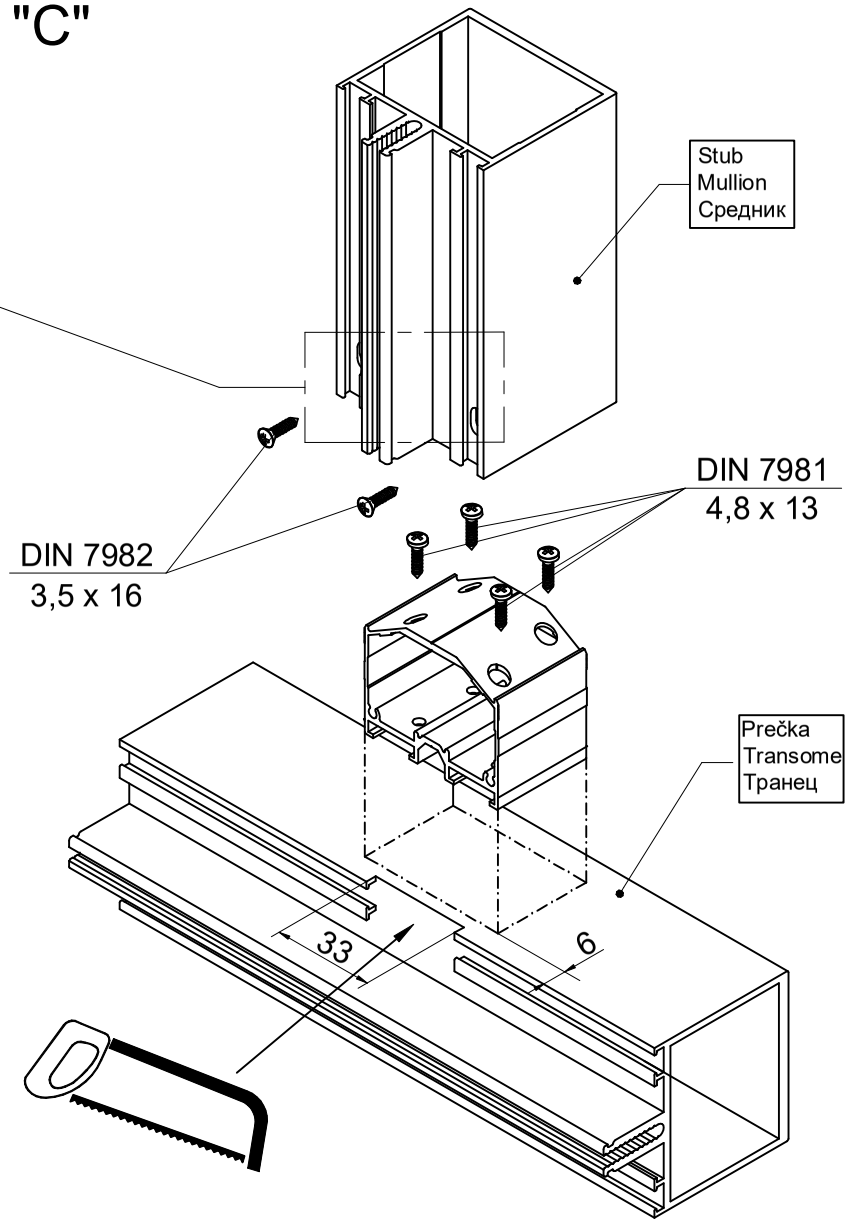


"B"

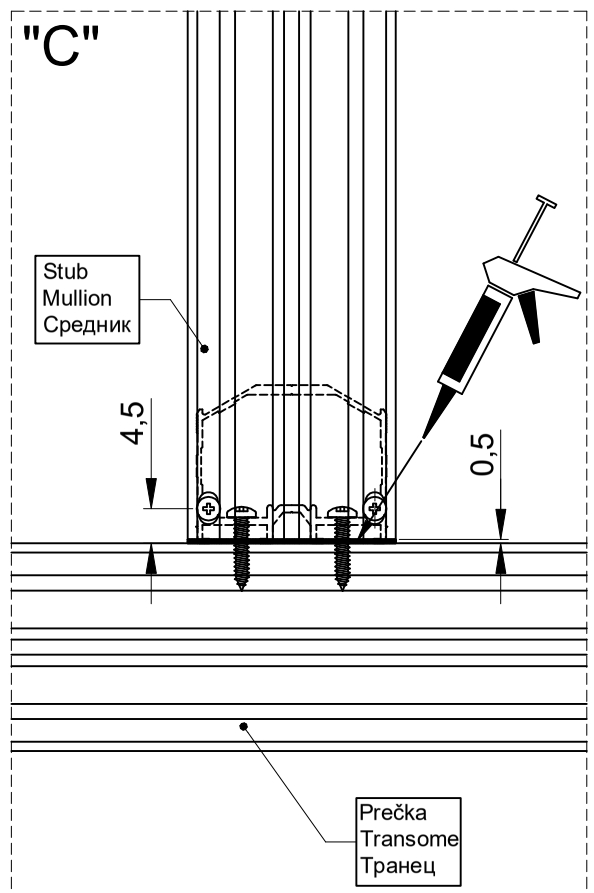


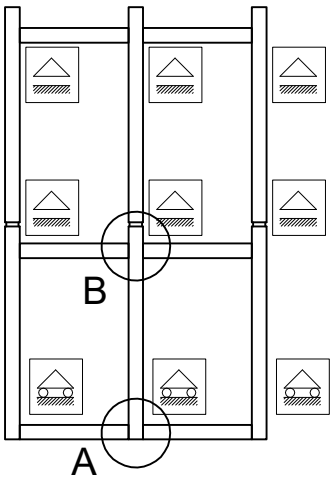


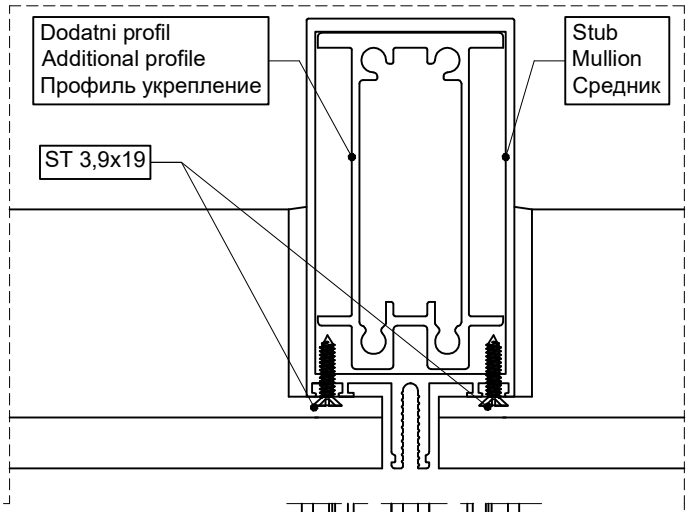
"C"



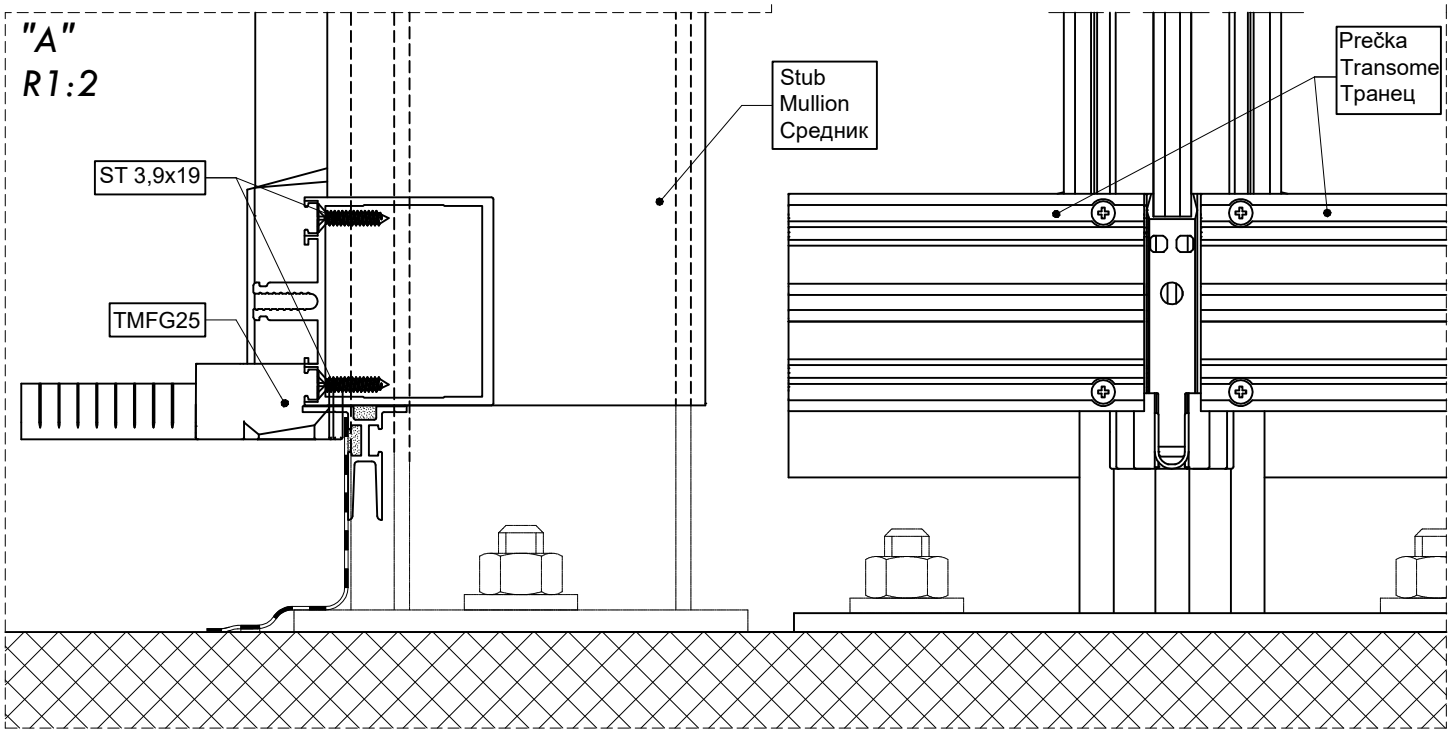
"C"



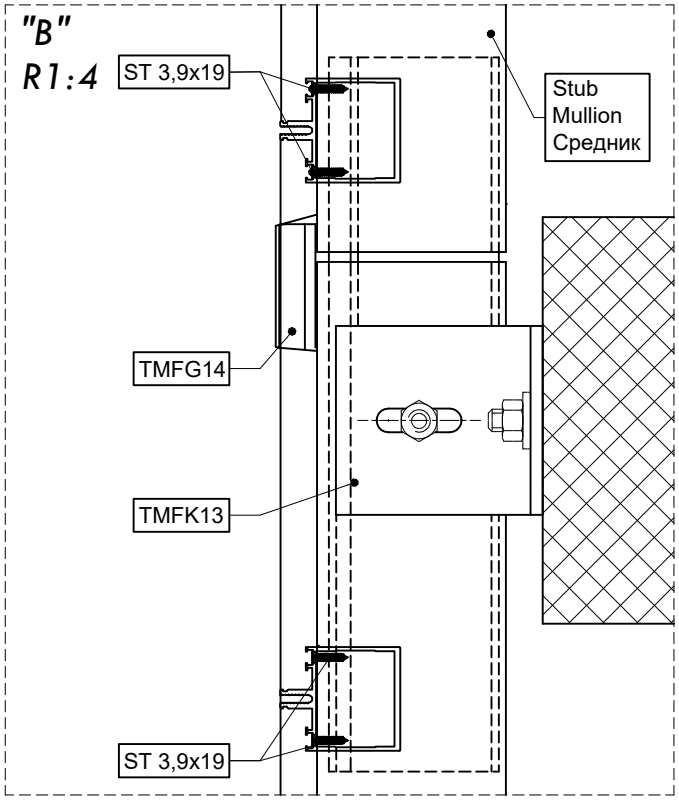

B
A

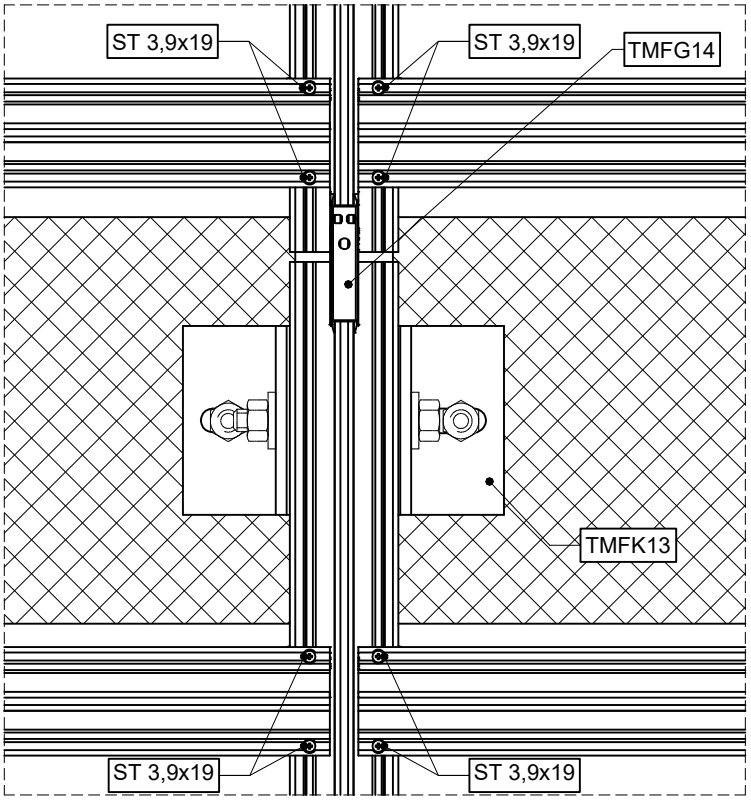

Dodatni profil
Additional profile
Профиль укрепление
Stub
Mullion
Средник
ST 3,9x19

"A"
R1:2

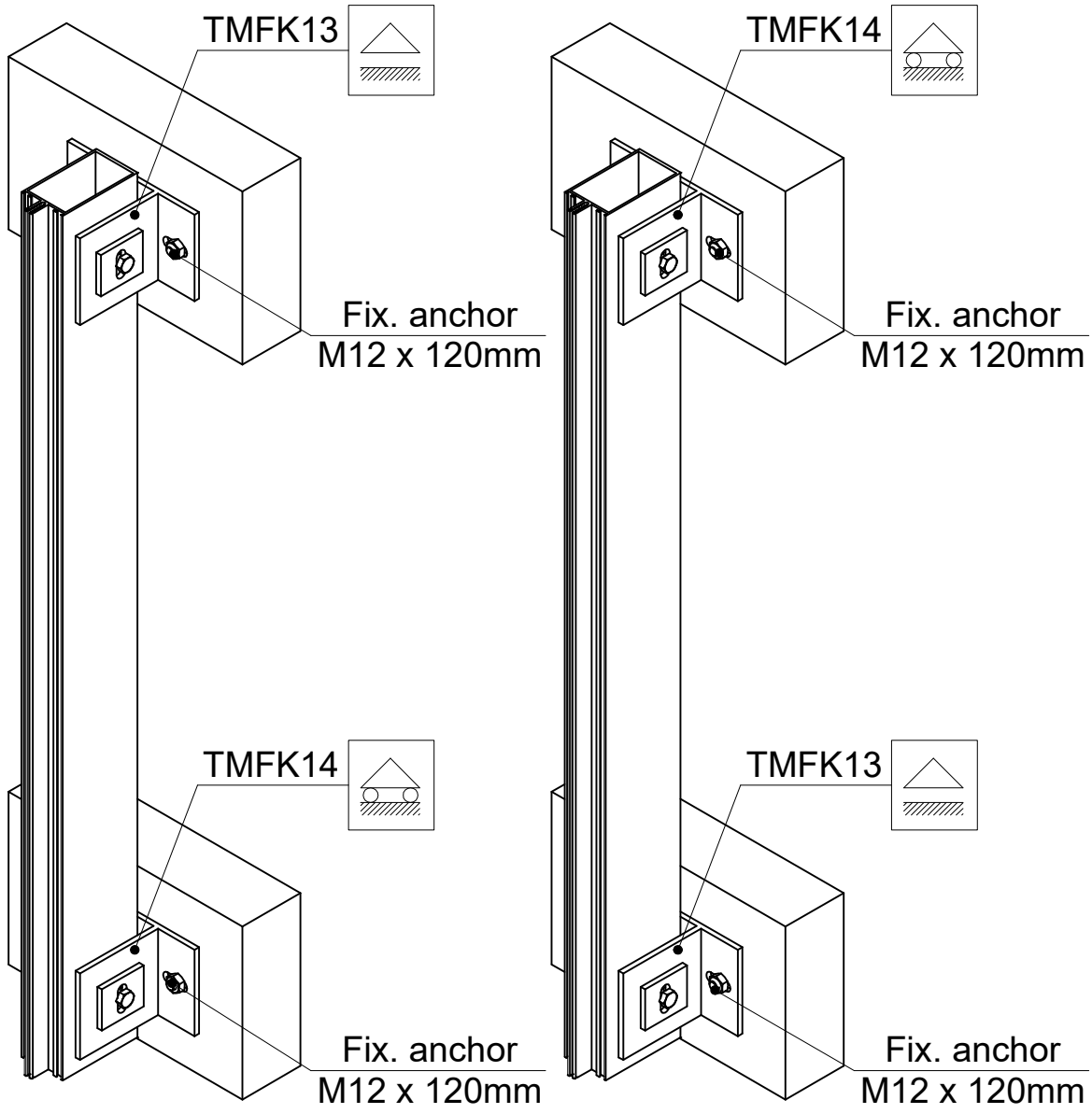

Stub
Mullion
Средник
Prečka
Transome
Транец
ST 3,9x19
TMFG25

"B"
R1:4

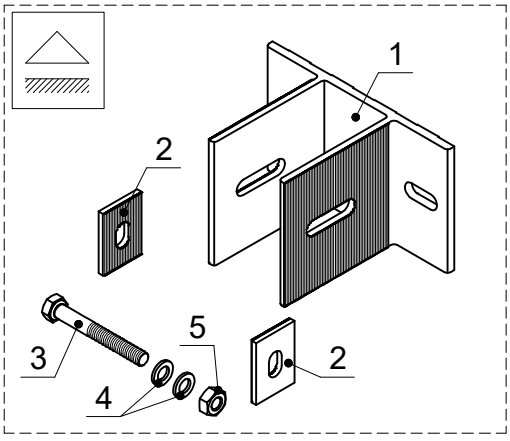

ST 3,9x19
Stub
Mullion
Средник
TMFG14
TMFK13
ST 3,9x19


ST 3,9x19
ST 3,9x19
TMFG14
TMFK13
ST 3,9x19
ST 3,9x19

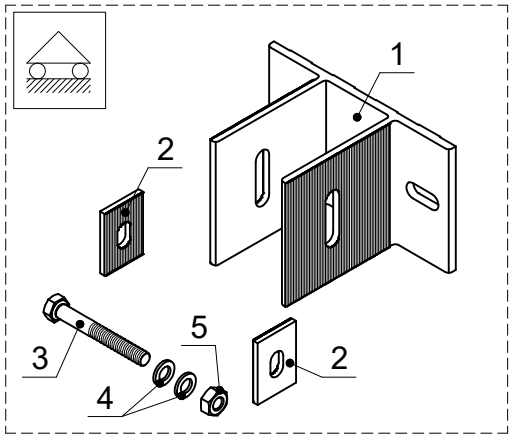
Fiksni oslonac Fixed support Неподвижная опора	Pokretni oslonac Movable support Подвижная опора



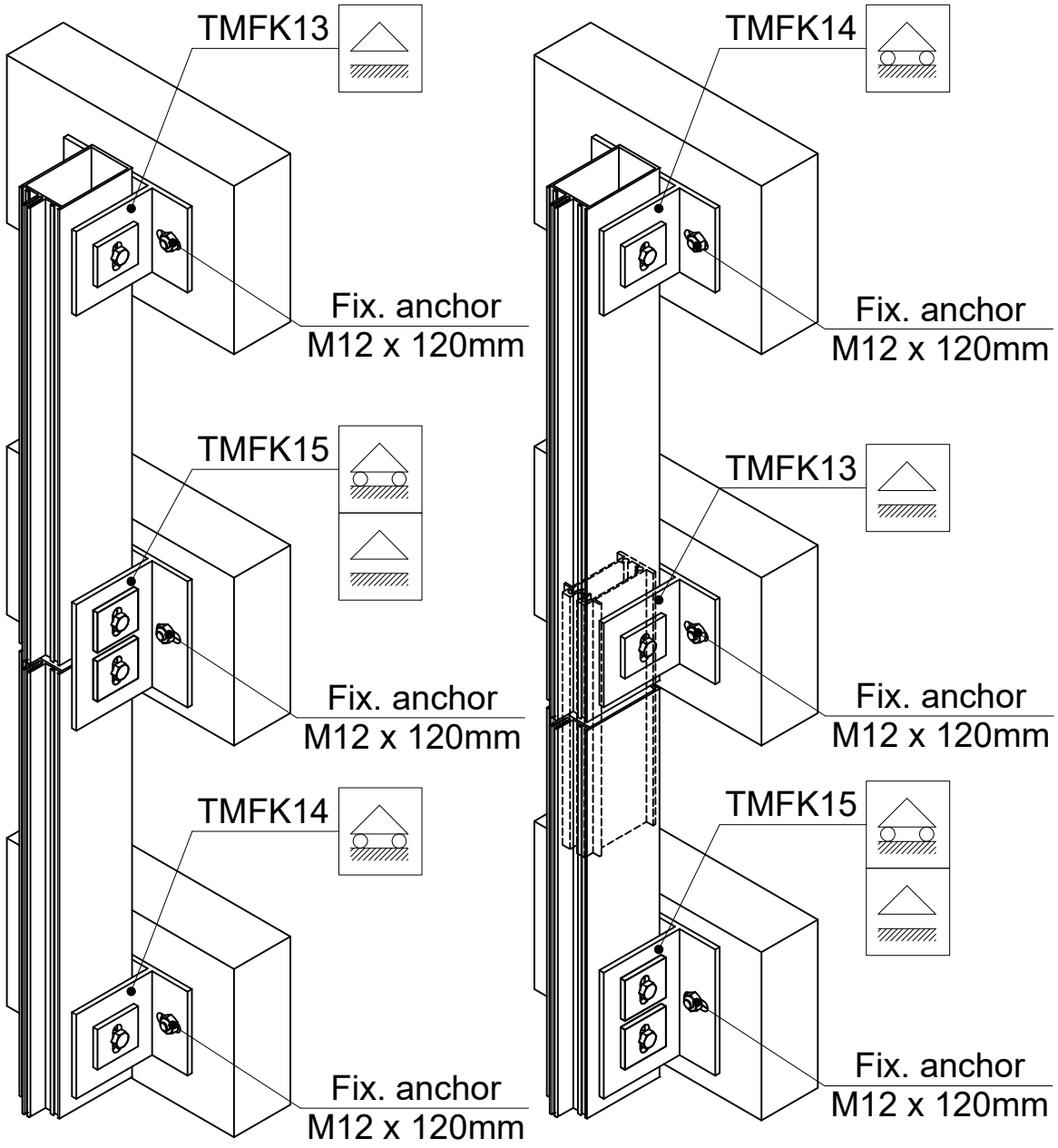
Komplet TMFK13 sadrži:
TMFK13 set contains:
Комплект *TMFK13* содержит:

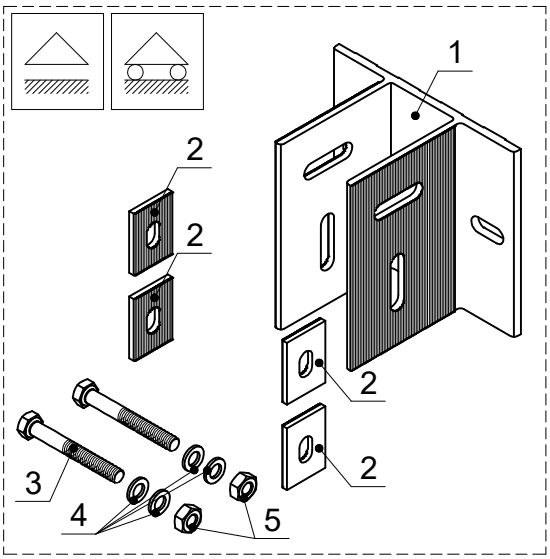


Komplet TMFK14 sadrži:
TMFK14 set contains:
Комплект *TMFK14* содержит:



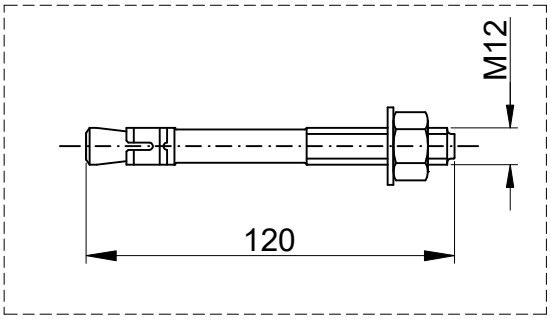
Fiksni oslonac Fixed support Неподвижная опора	Pokretni oslonac Movable support Подвижная опора



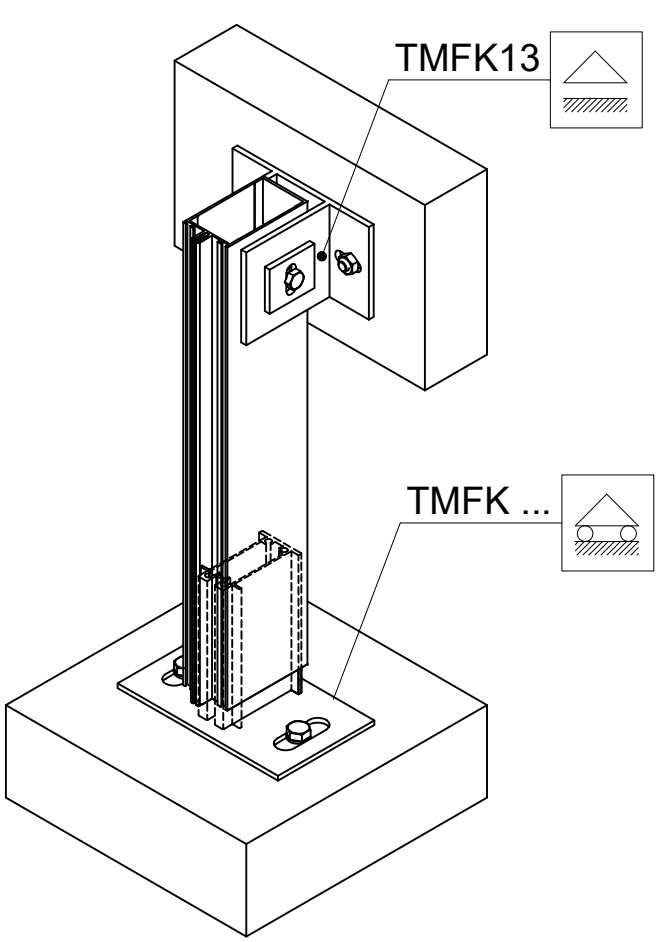


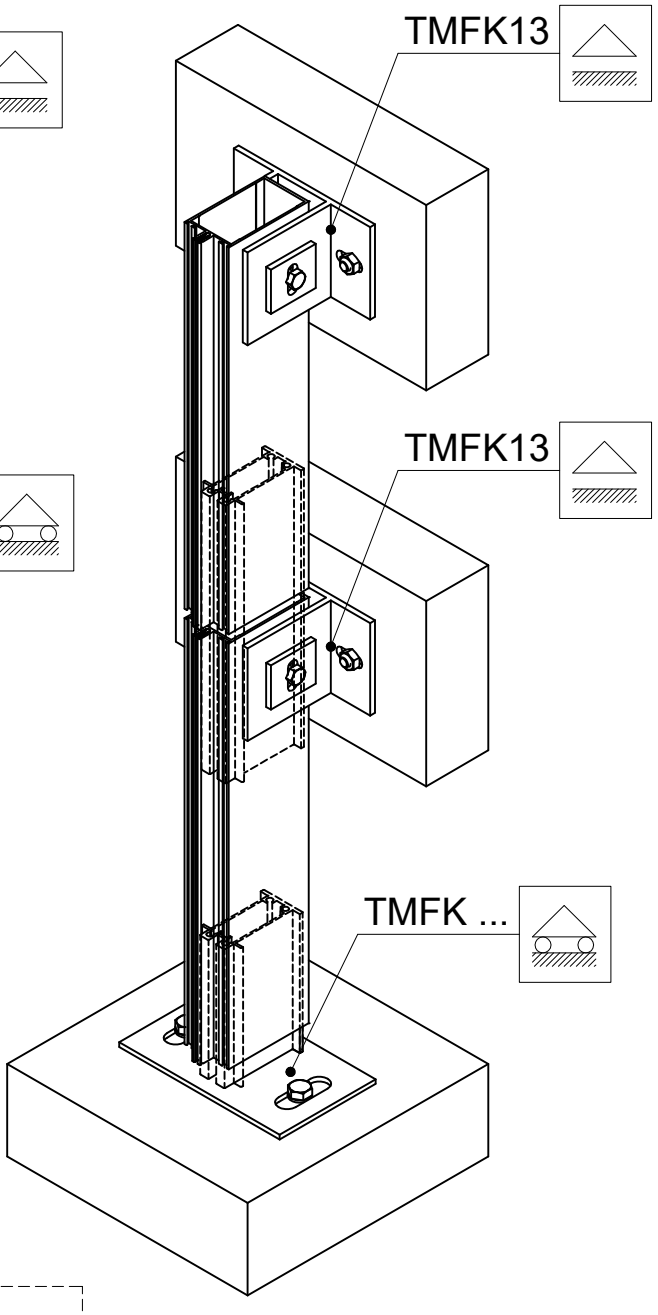
Komplet TMFK15 sadrži:
TMFK15 set contains:
Комплект *TMFK15* содержит:

Fix. anchor
M12 x 120mm

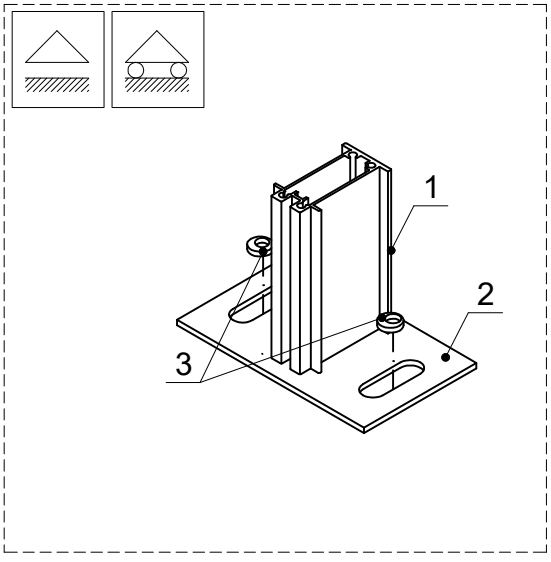


Fiksni oslonac Fixed support Неподвижная опора	Pokretni oslonac Movable support Подвижная опора

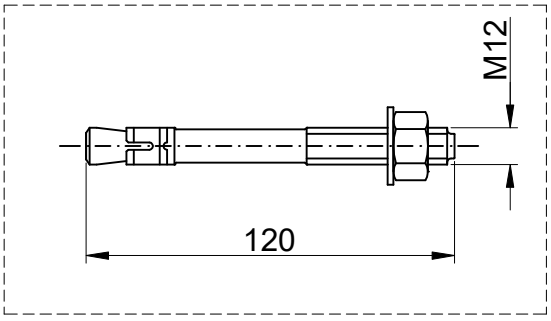


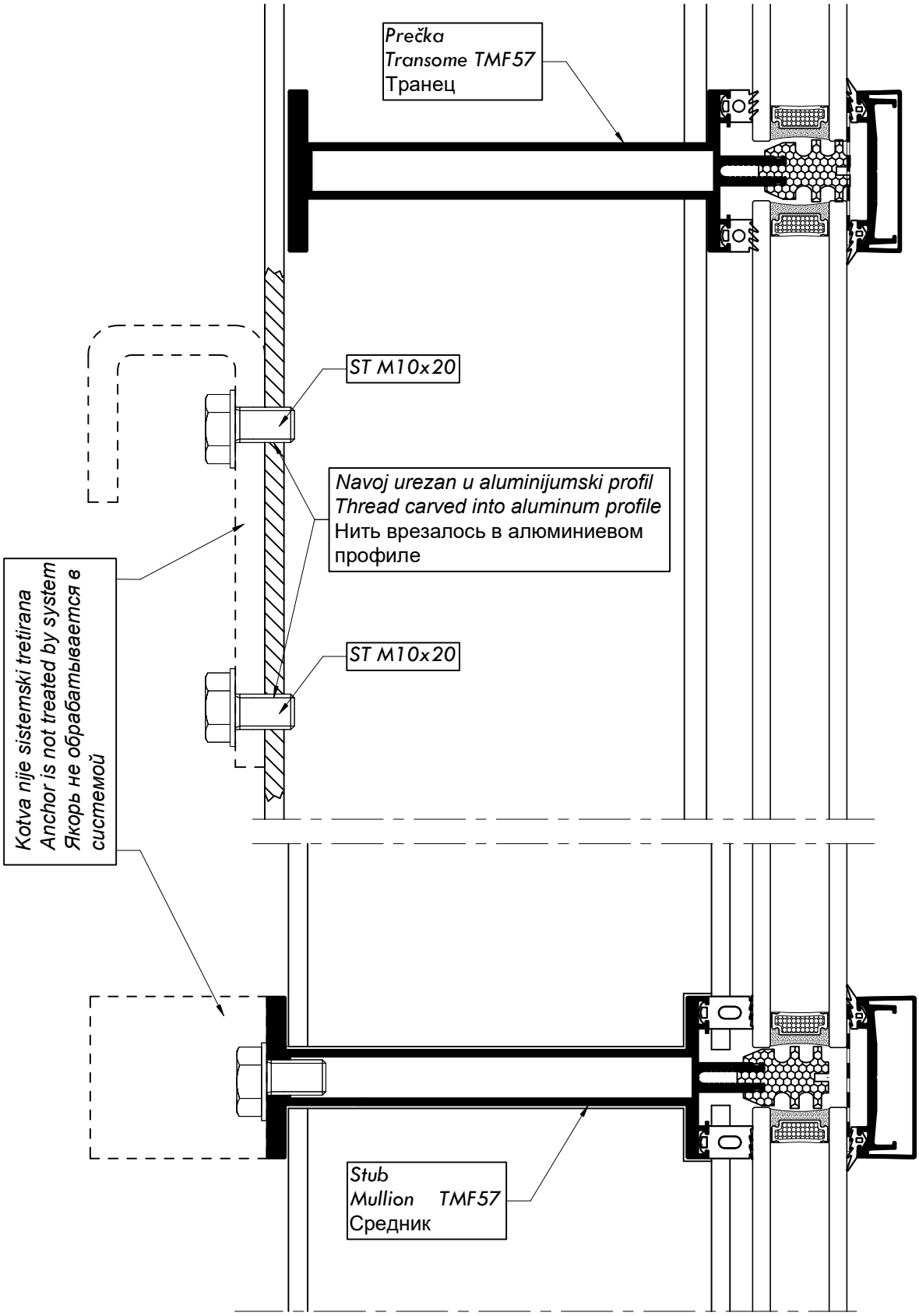


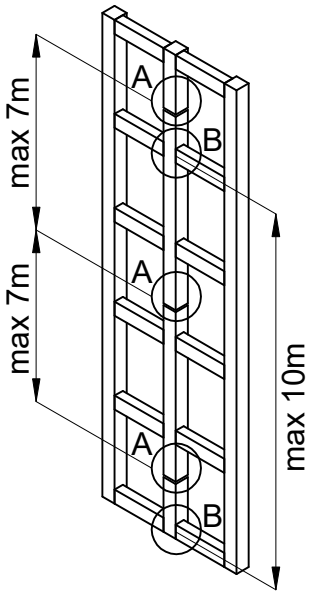
Komplet TMFK... sadrži:
TMFK... set contains:
Комплект TMFK... содержит:



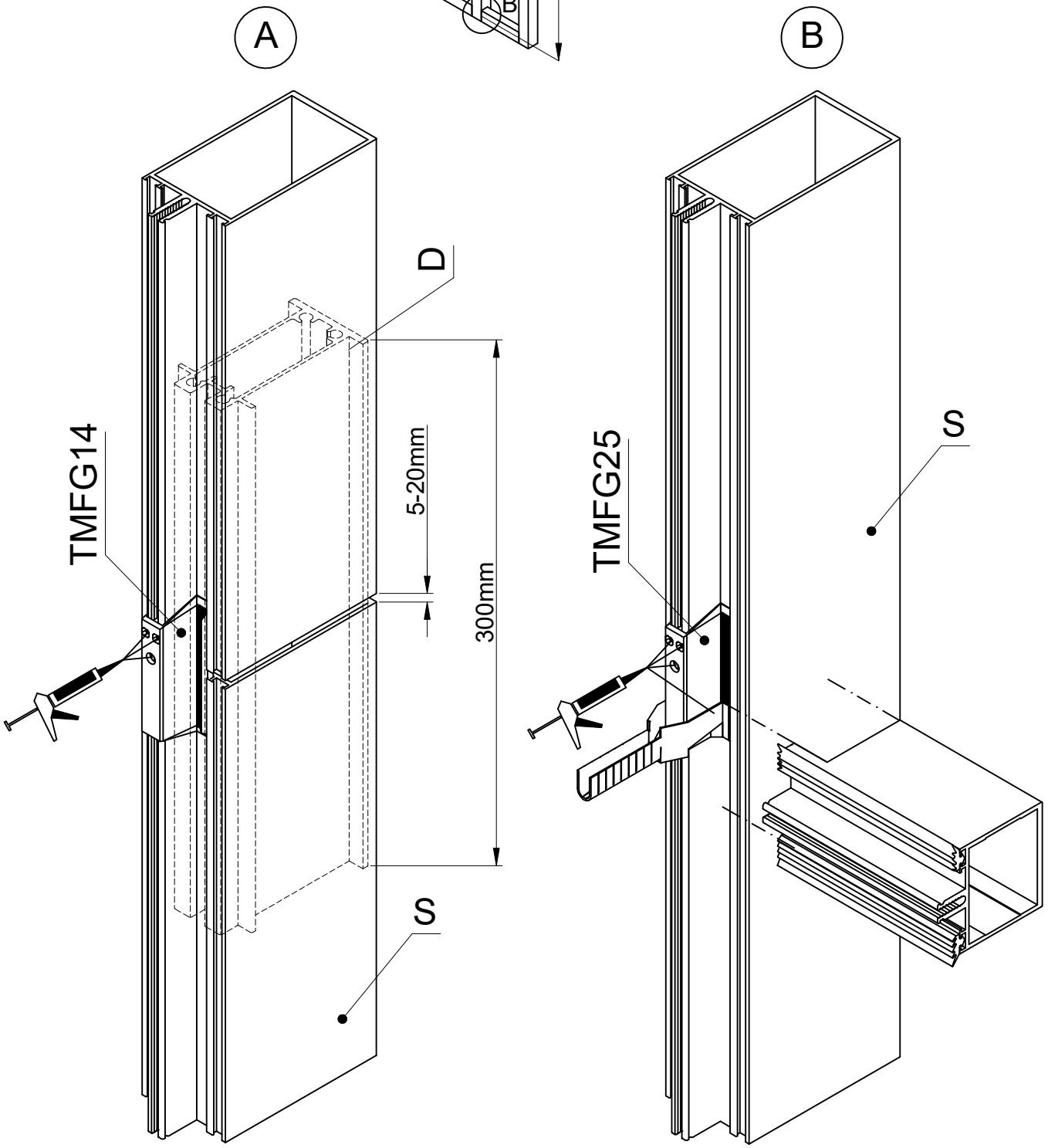
Fix. anchor
M12 x 120mm

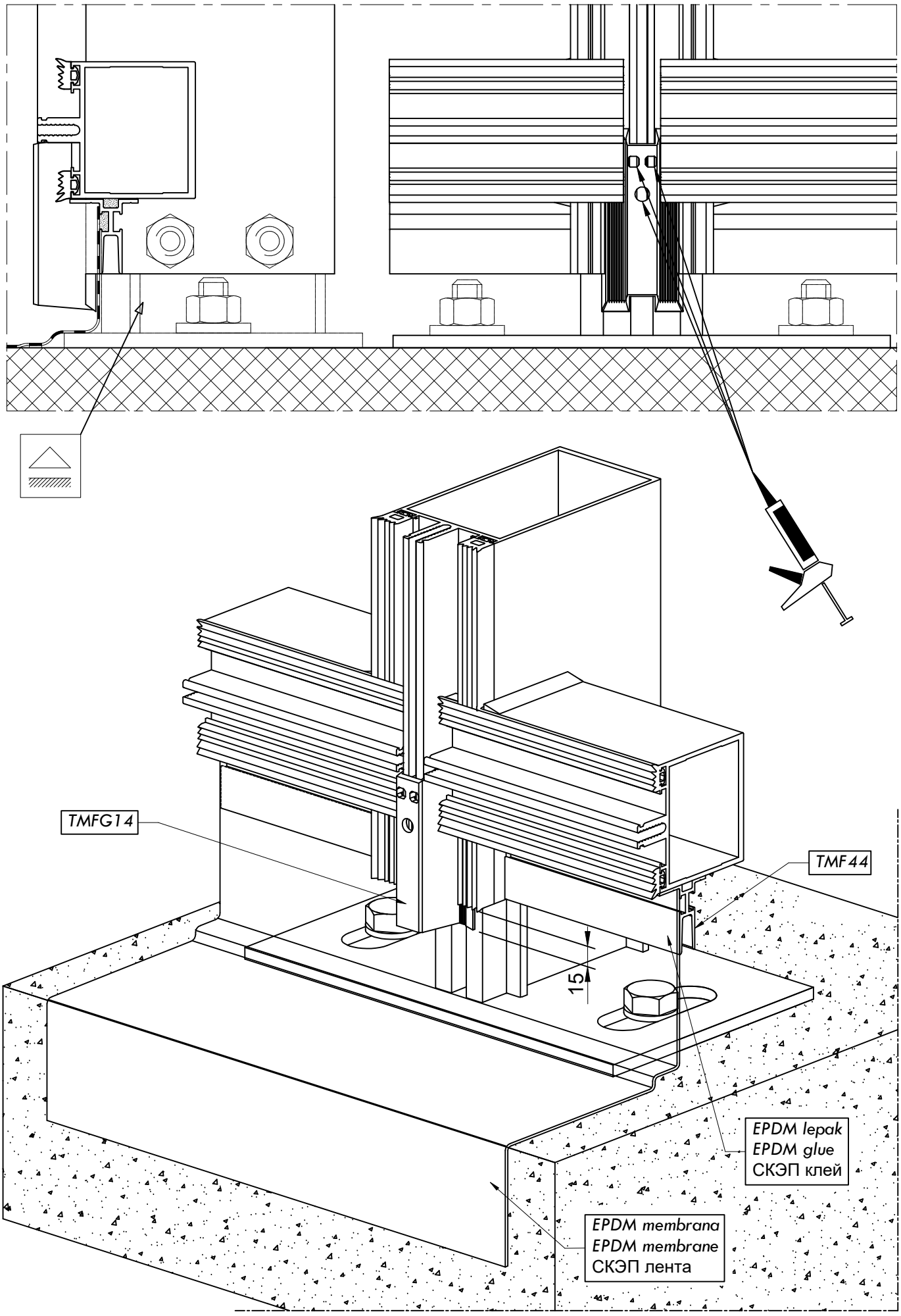


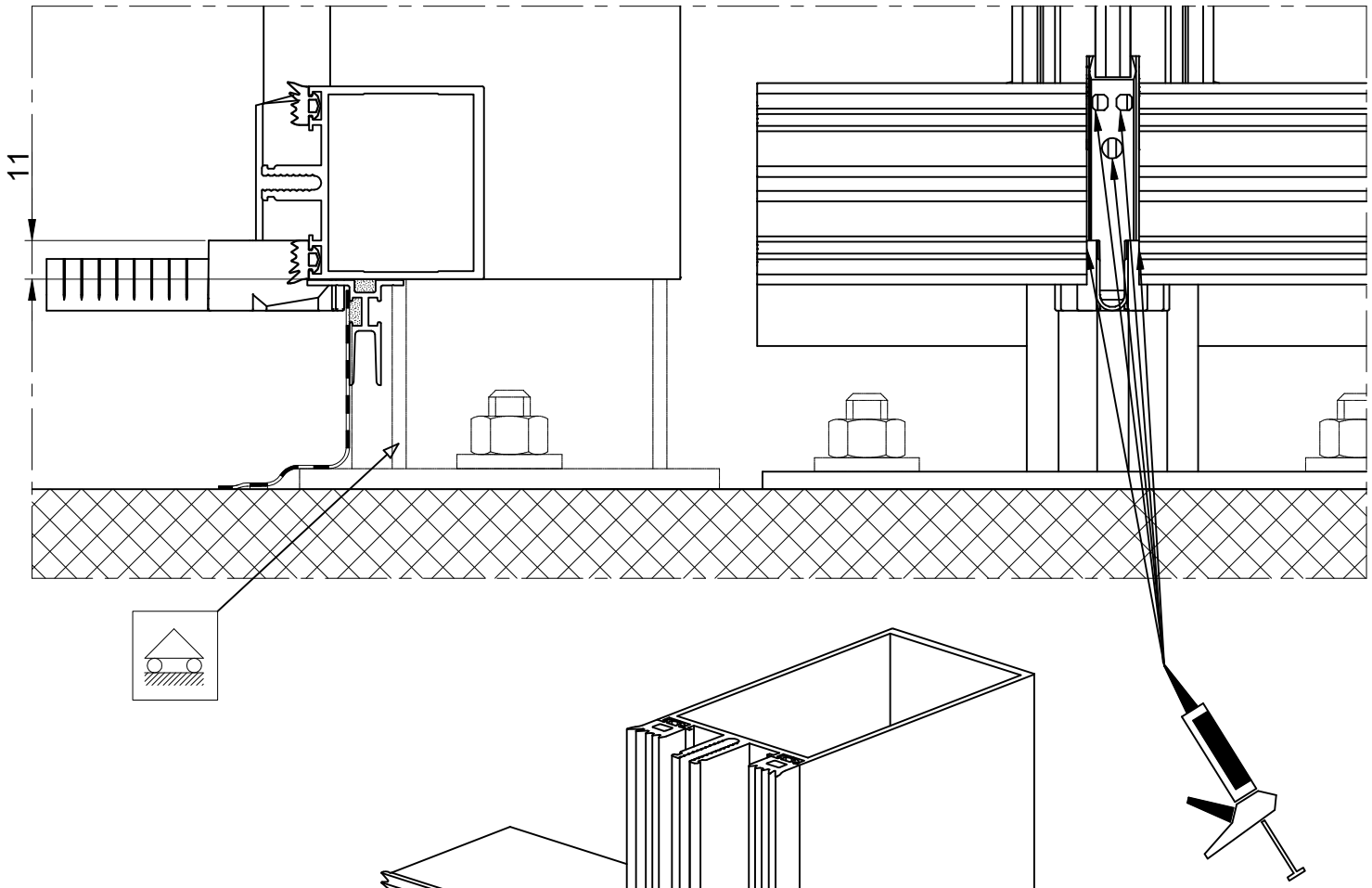

Prečka
Transome TMF57
Транец
ST M10x20
Navoj urezan u aluminijumski profil
Thread carved into aluminum profile
Нить врезалось в алюминиевом профиле
ST M10x20
Kotva nije sistemski tretirana
Anchor is not treated by system
Якорь не обрабатывается в системой
Stub
Mullion TMF57
Средник

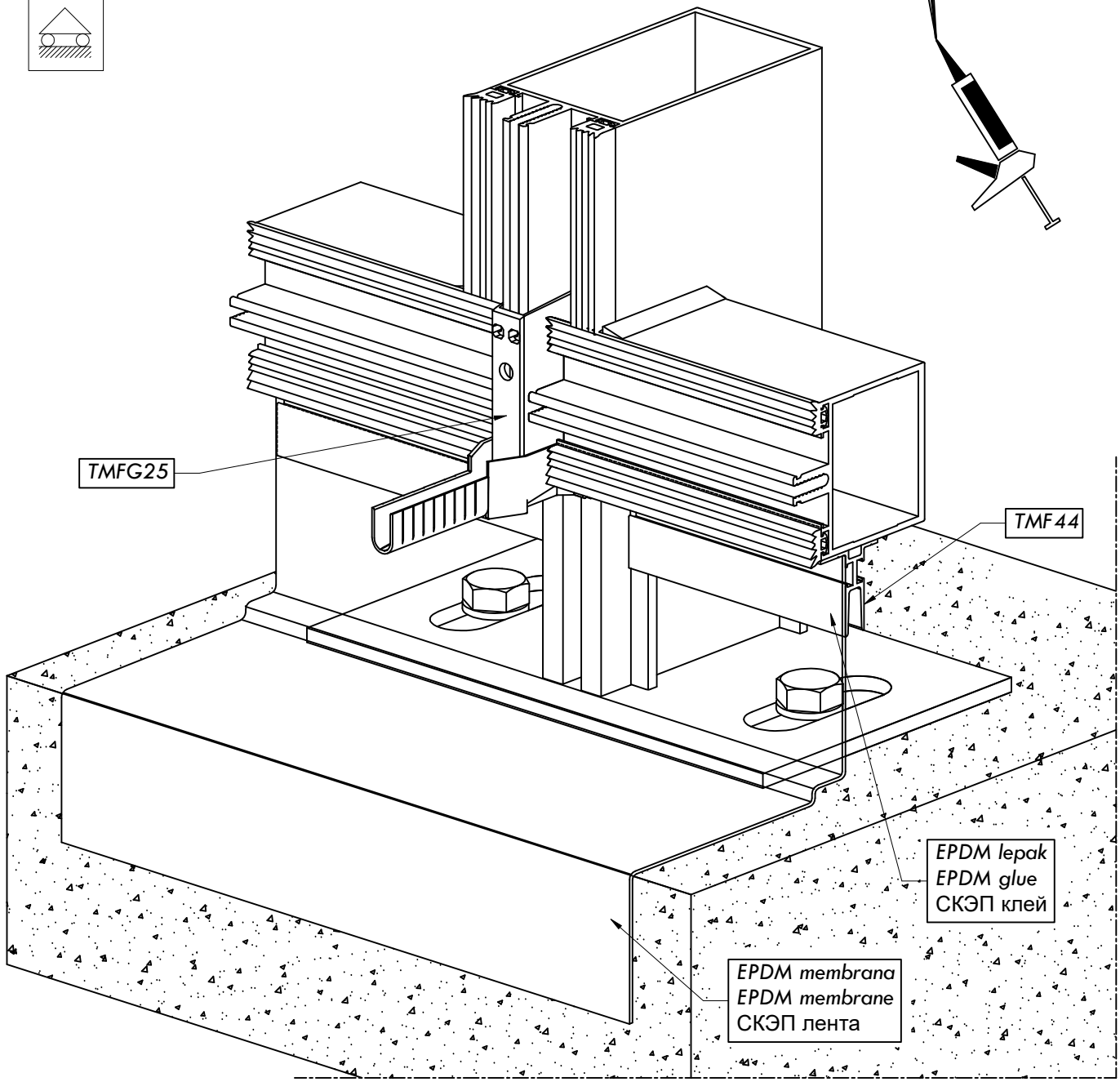


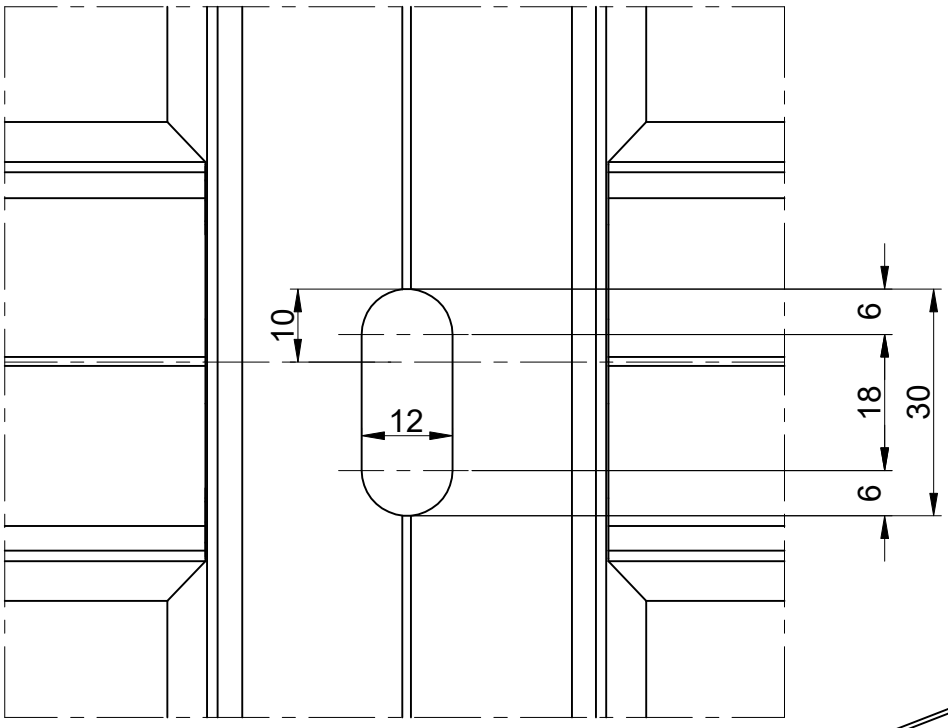
Stub (S) Mullion (S) Средник (S)	Dilatacioni umetak (D) Dilatation plug (D) Дилатации вставка (D)
TMF75	TMFK32
TMF100	TMFK33
TMF125	TMFK34
TMF150	TMFK35
TMF10	TMFK12
TMF57	TMFK16
TMF175	TMFK36



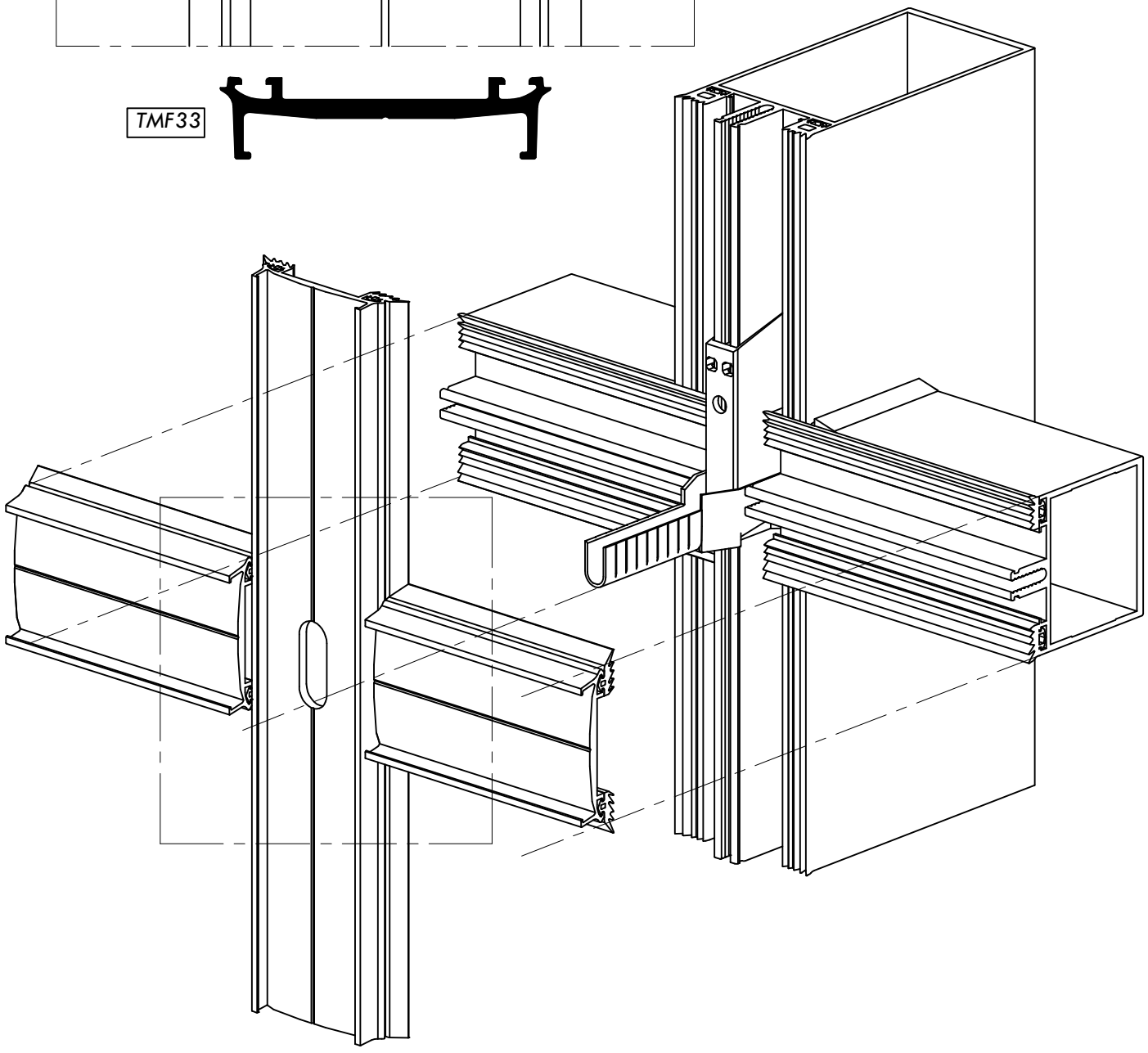

TMFG14
TMF44
15
EPDM lepak
EPDM glue
СКЭП клей
EPDM membrana
EPDM membrane
СКЭП лента


11

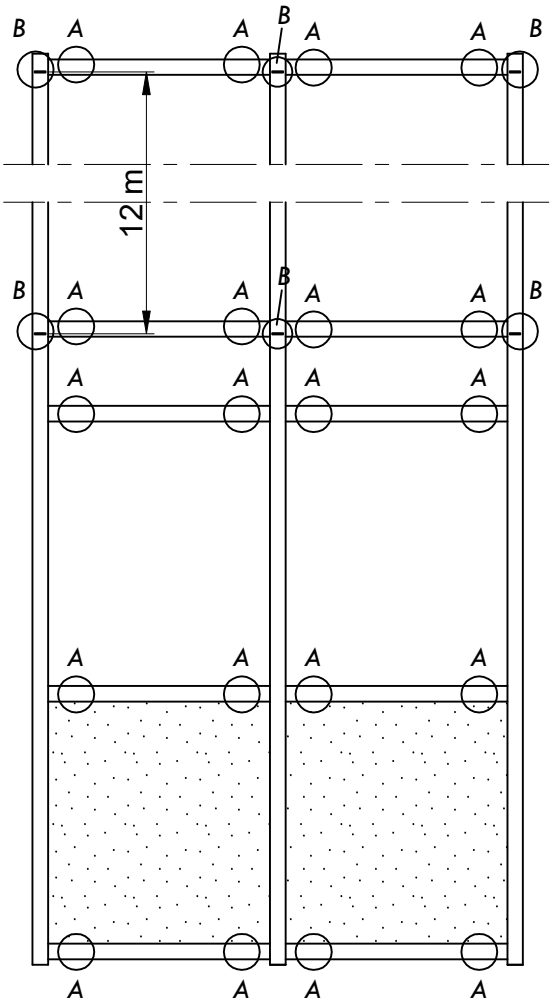

TMFG25
TMF44
EPDM lepak
EPDM glue
СКЭП клей
EPDM membrana
EPDM membrane
СКЭП лента

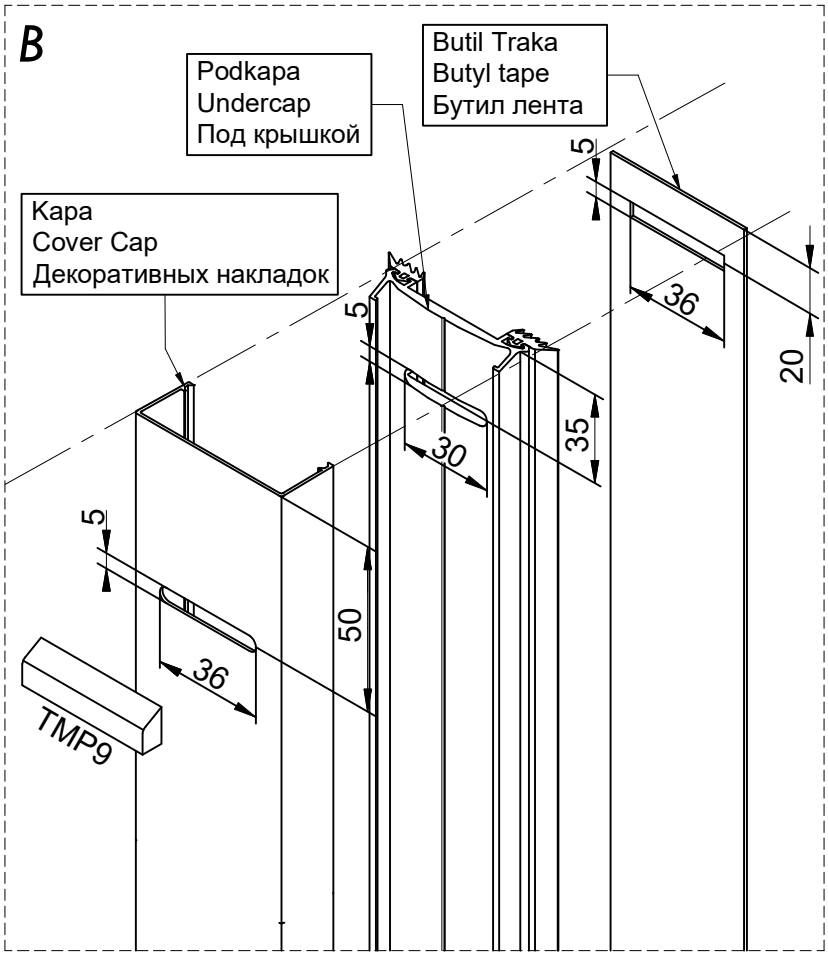


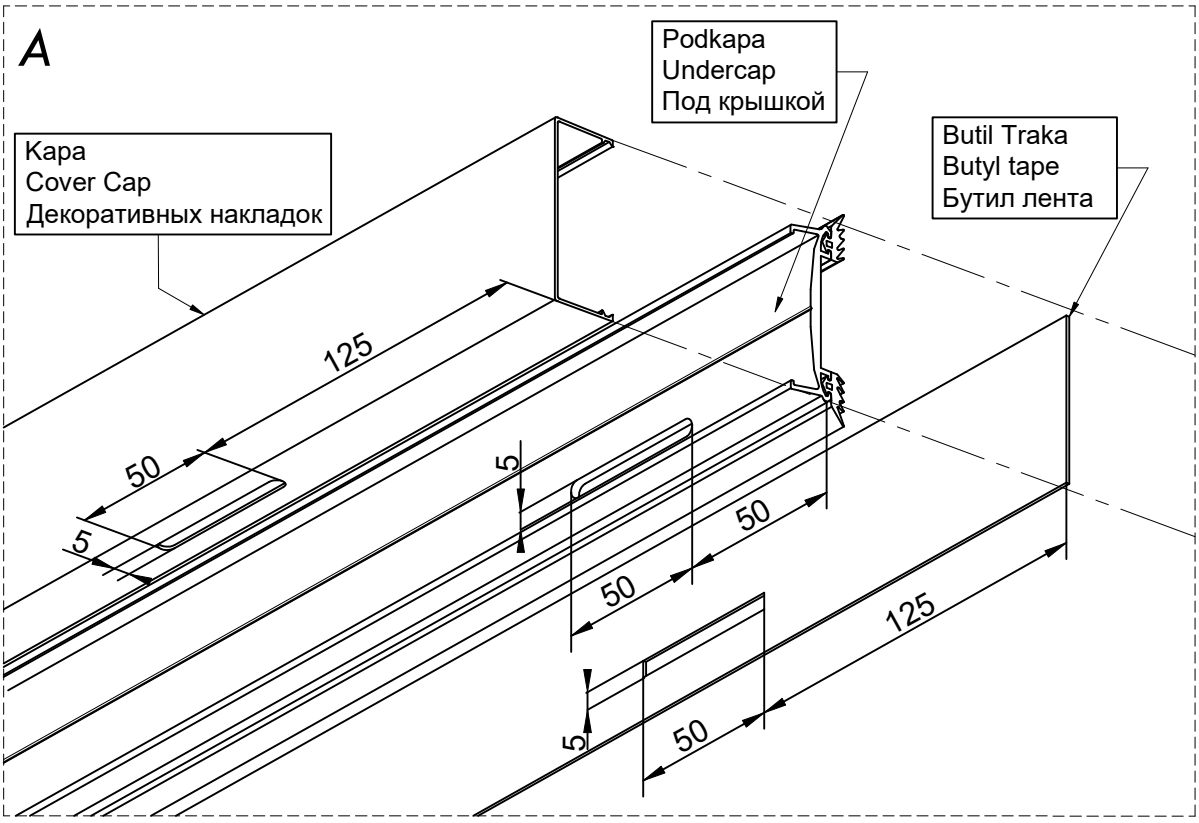
TMF33

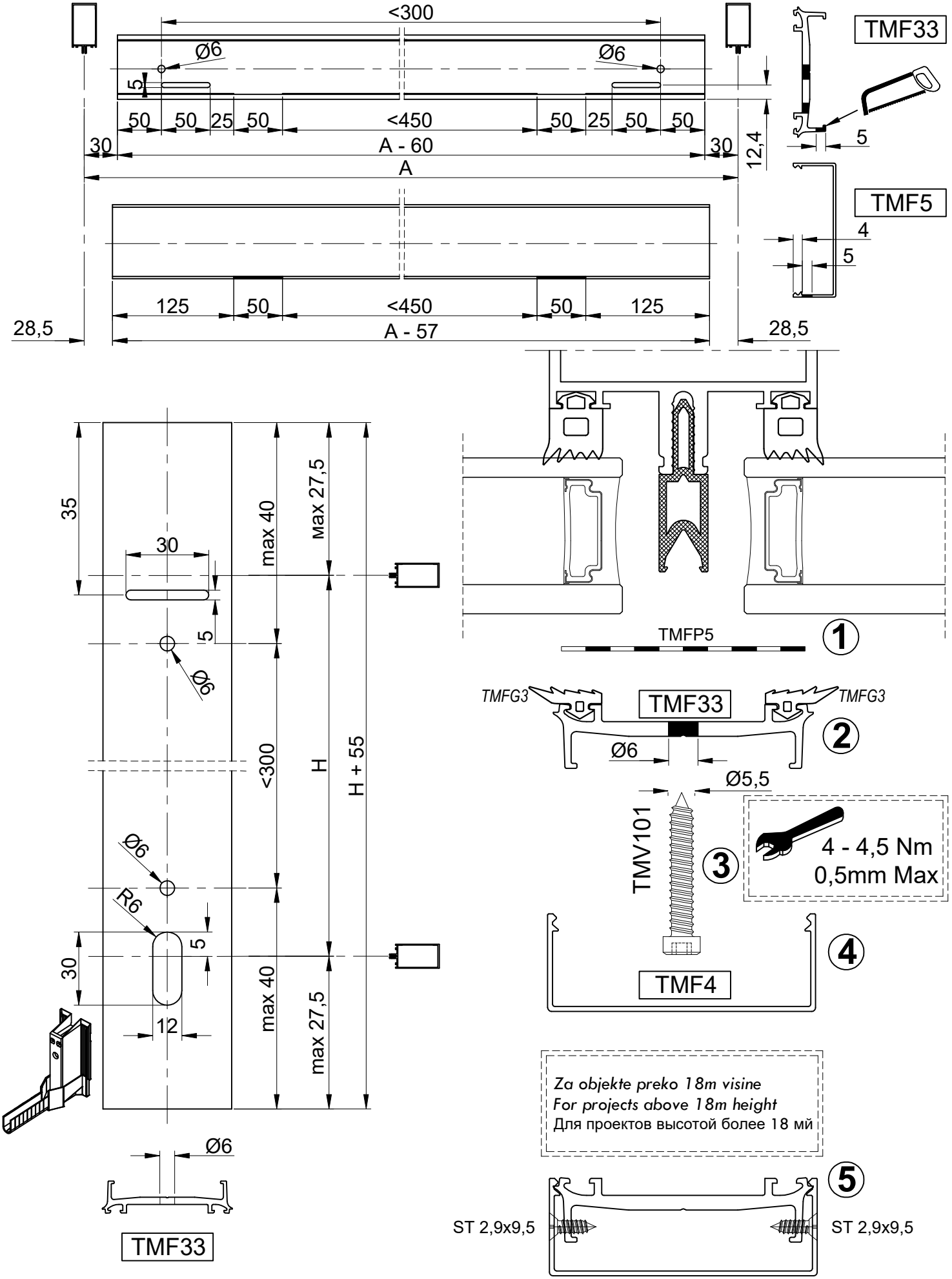


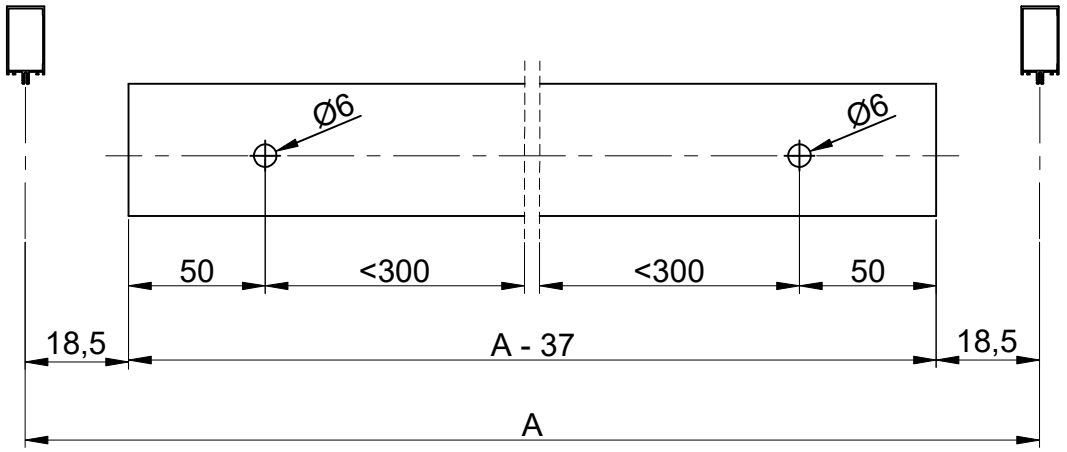
Ventilacija fasadne konstrukcije zbog izjednačavanja pritiskai adekvatne drenaže
Ventilation of façade construction for pressure equalization and adequate drainage
Вентиляция строительство фасад для выравнивания давления и соответствующей дренажной

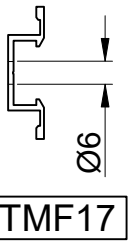


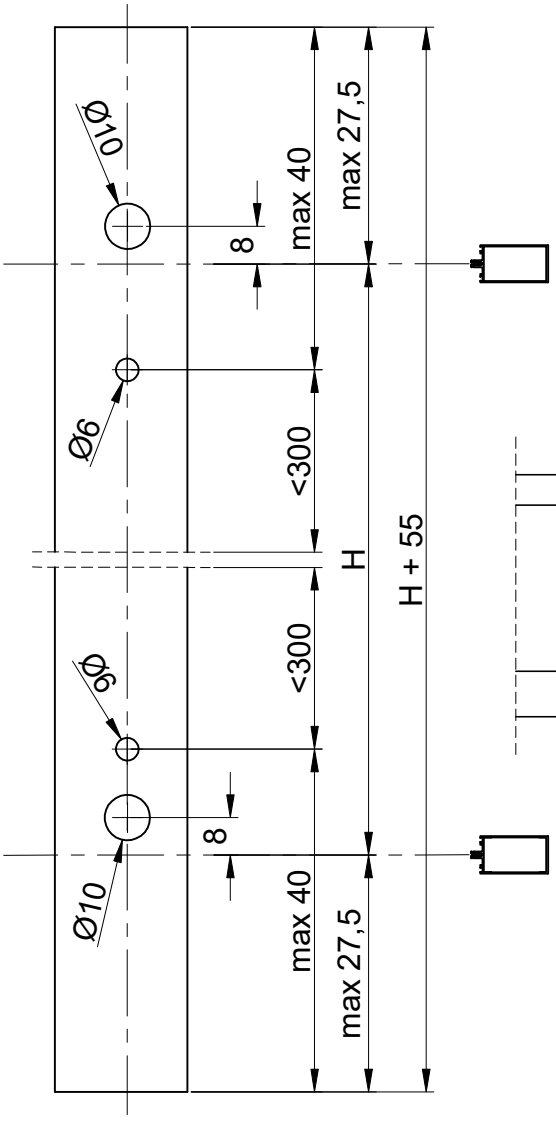


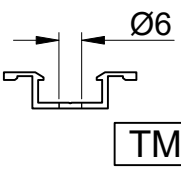


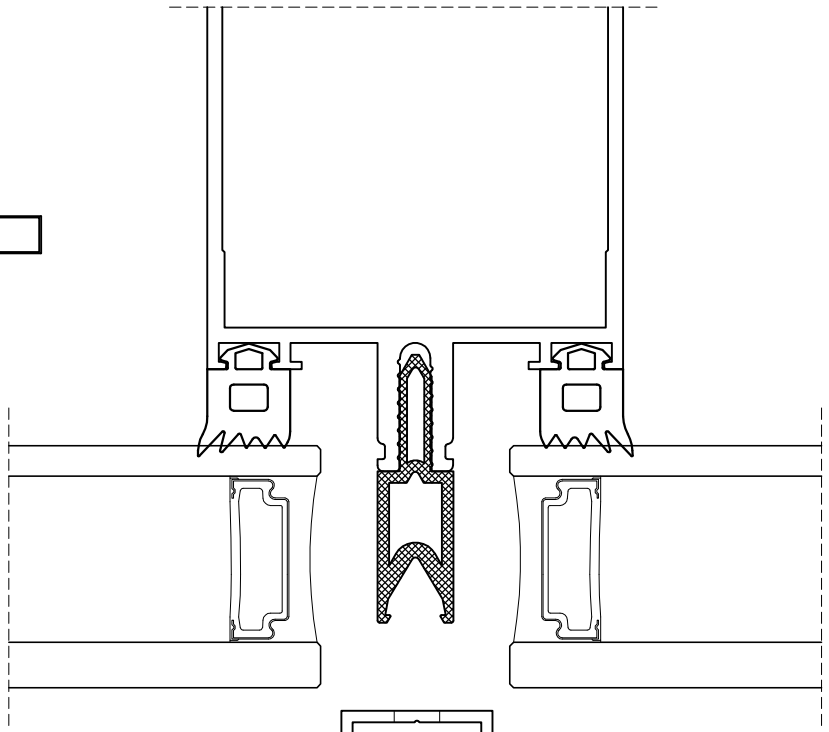

<300
Ø6
Ø6
5
50 50 25 50 <450 50 25 50 50
30
A - 60
30
A
12,4
TMF33
5
TMF5
4
5
125 50 <450 50 125
28,5
A - 57
28,5
35
30
max 40
max 27,5
5
Ø6
<300
H
H + 55
Ø6
R6
5
30
12
max 40
max 27,5
Ø6
TMF33
TMFP5
1
TMFG3
TMF33
TMFG3
Ø6
2
Ø5,5
TMV101
3
4 - 4,5 Nm
0,5mm Max
4
TMF4
Za objekte preko 18m visine
For projects above 18m height
Для проектов высотой более 18 мй
5
ST 2,9x9,5
ST 2,9x9,5

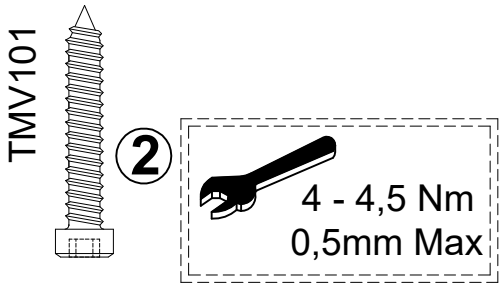

Ø6
Ø6
50
<300
<300
50
18,5
A - 37
18,5
A

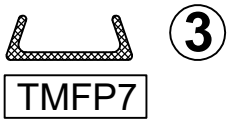

Ø6
TMF17

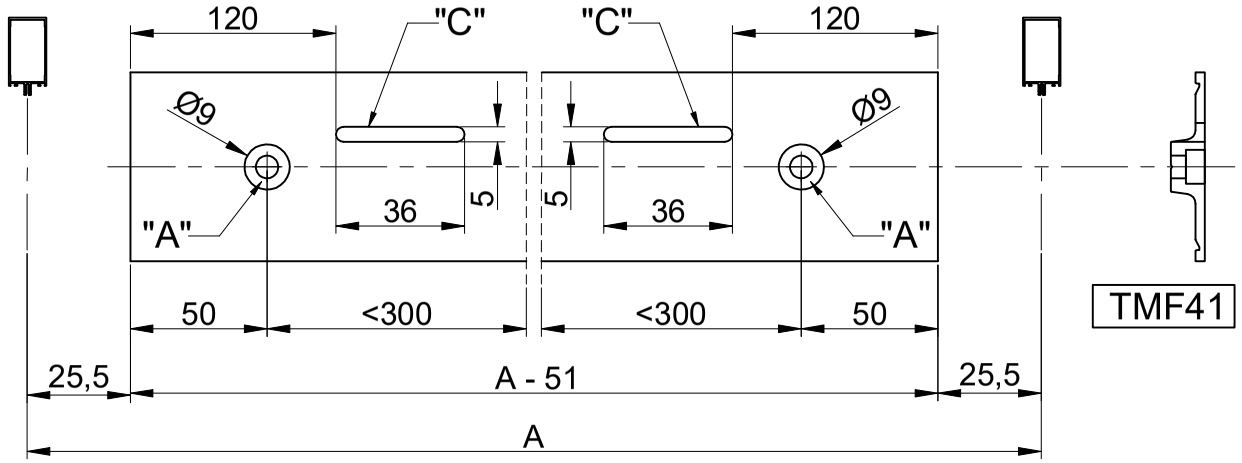

Ø10
8
max 40
max 27,5
Ø6
<300
H
H + 55
<300
Ø6
8
Ø10
max 40
max 27,5

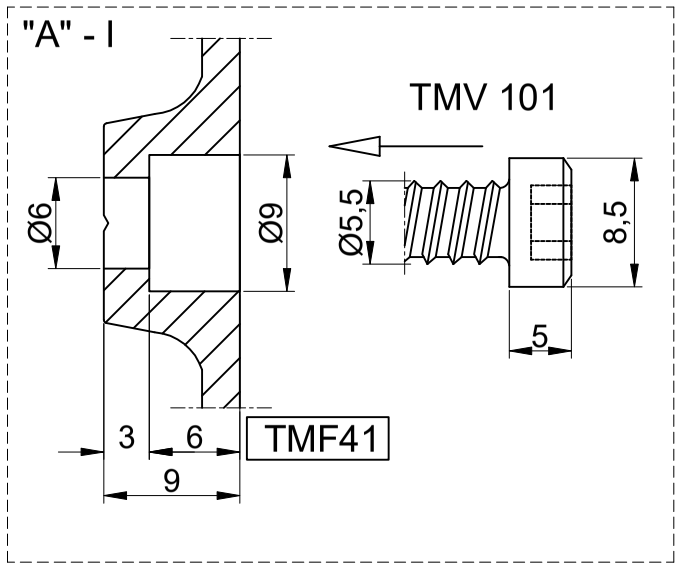

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TMF17

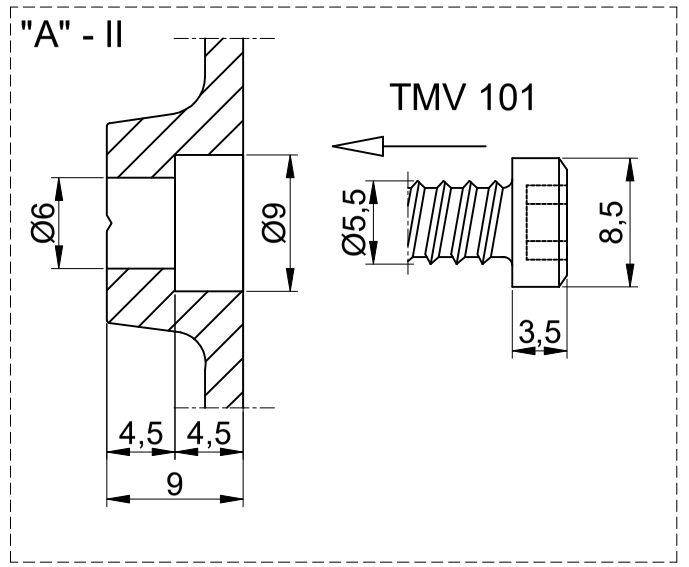

TMG4
TMG4
TMF17
1

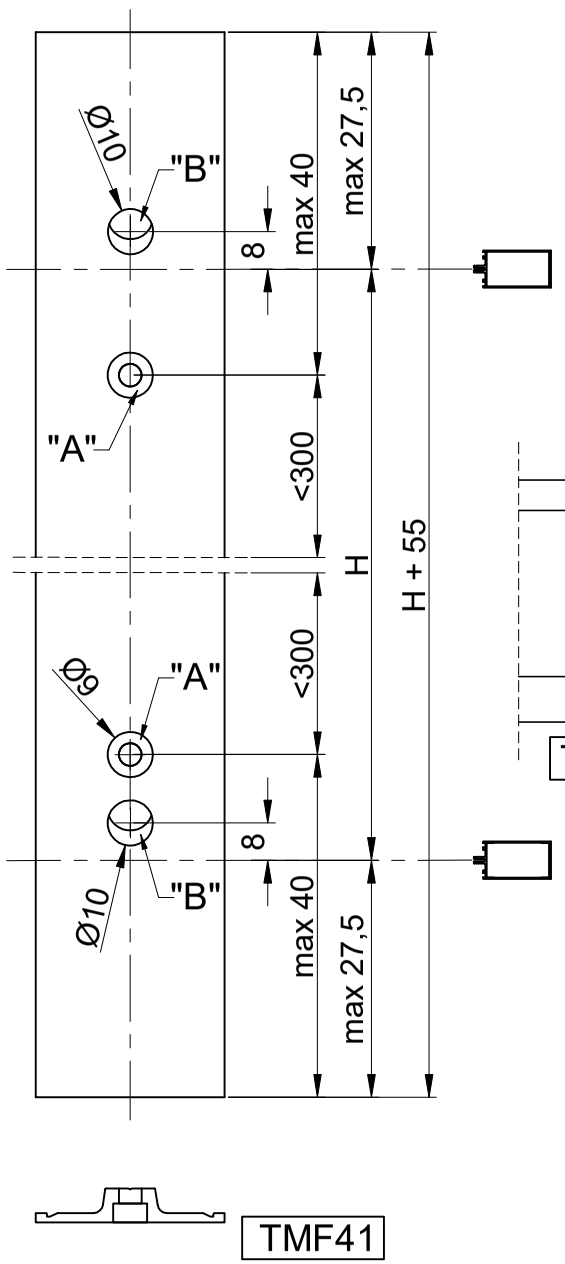

TMV101
2
4 - 4,5 Nm
0,5mm Max

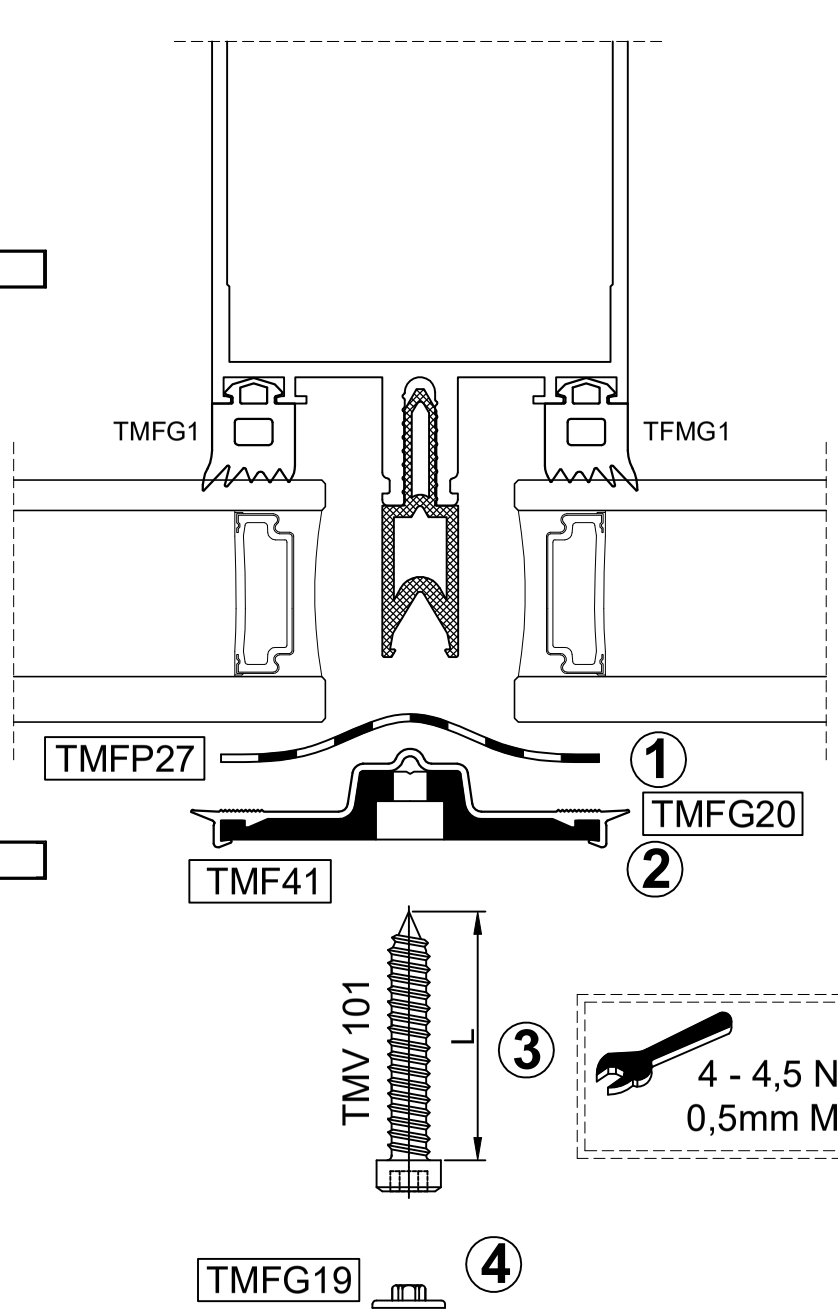

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TMFP7

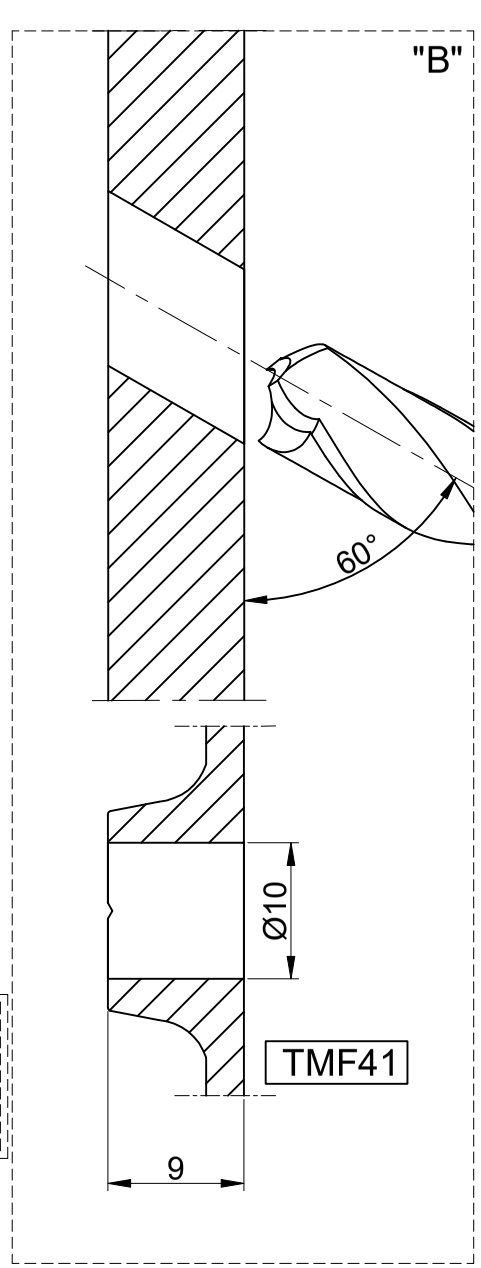

120
"C"
"C"
120
Ø9
Ø9
"A"
"A"
36
5
5
36
50
<300
<300
50
25,5
A - 51
25,5
A
TMF41

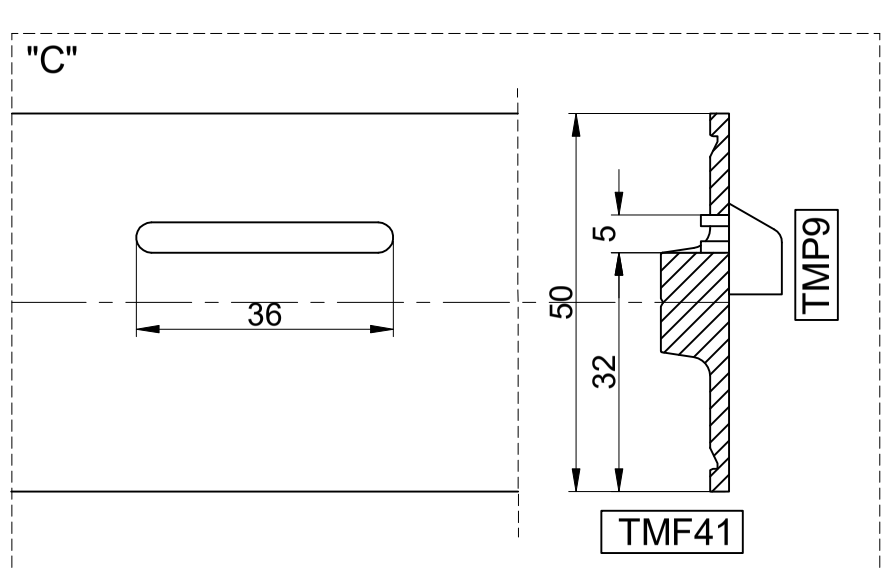

"A" - I
TMV 101
Ø6
Ø9
Ø5,5
8,5
5
3
6
9
TMF41

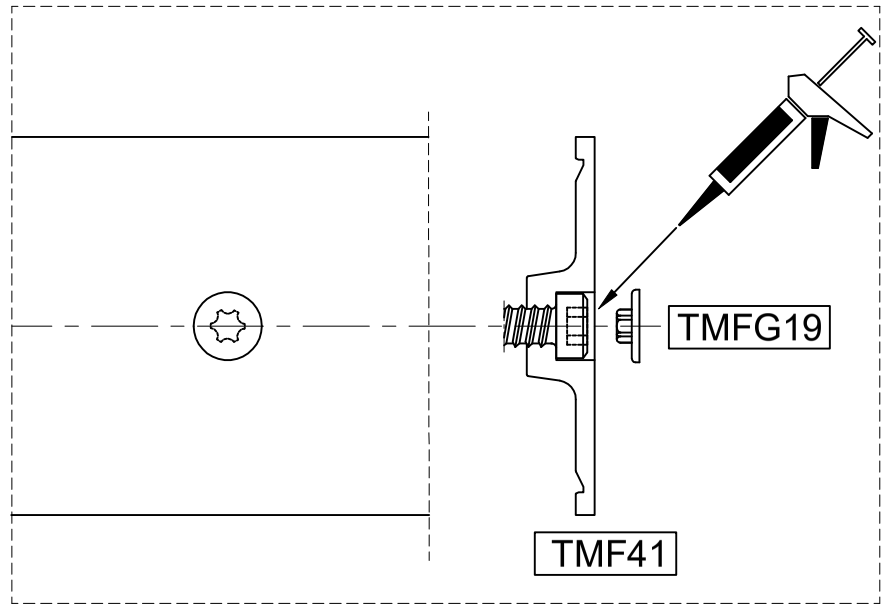

"A" - II
TMV 101
Ø6
Ø9
Ø5,5
8,5
3,5
4,5
4,5
9


Ø10
"B"
8
max 40
max 27,5
"A"
<300
H
H + 55
Ø9
"A"
<300
8
Ø10
"B"
max 40
max 27,5
TMF41


TMFG1
TFMG1
TMFP27
1
TMFG20
2
TMF41
TMV 101
L
3
4 - 4,5 Nm
0,5mm Max
TMFG19
4


"B"
60°
Ø10
TMF41
9

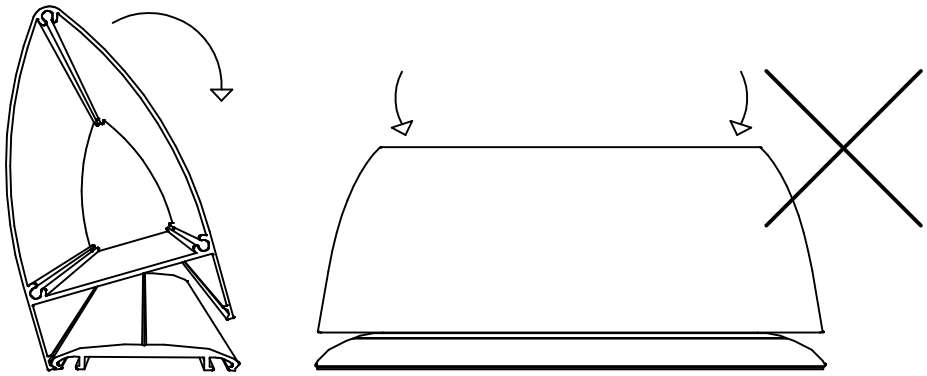

"C"
36
50
5
32
TMP9
TMF41

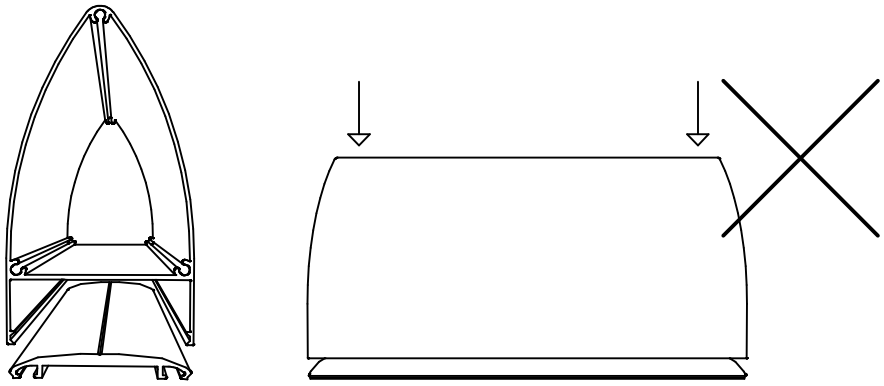

TMFG19
TMF41

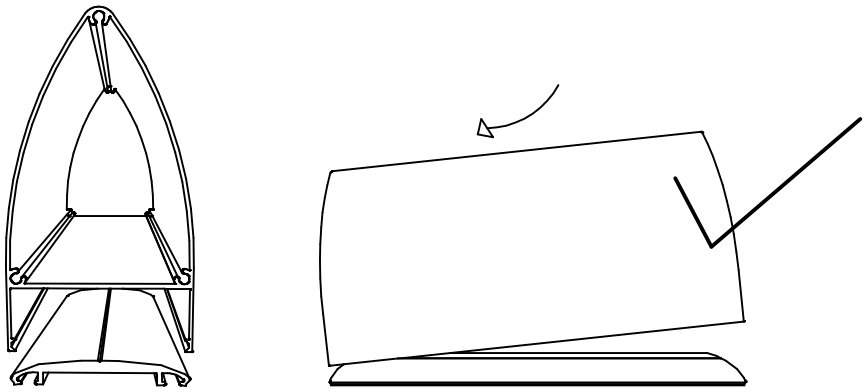
Postavljanje kape

Cover cap installation

Монтажные декоративных накладок



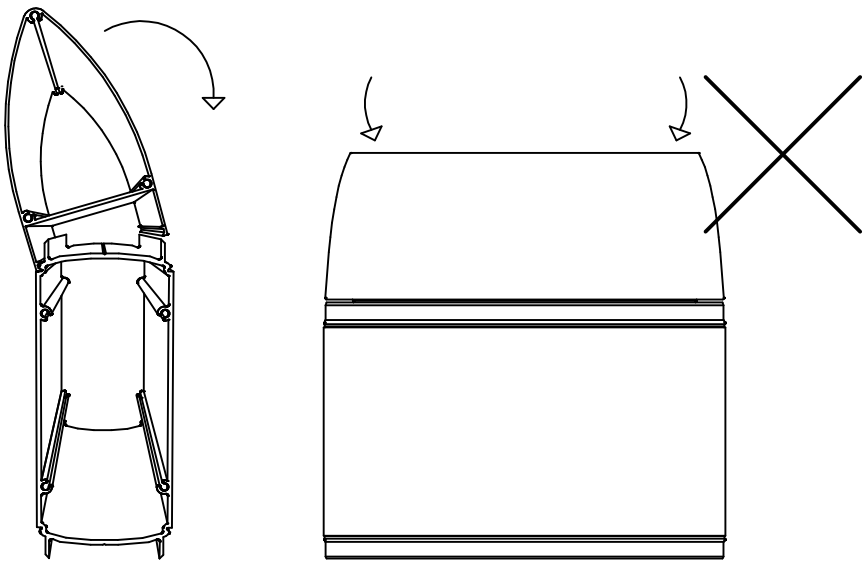


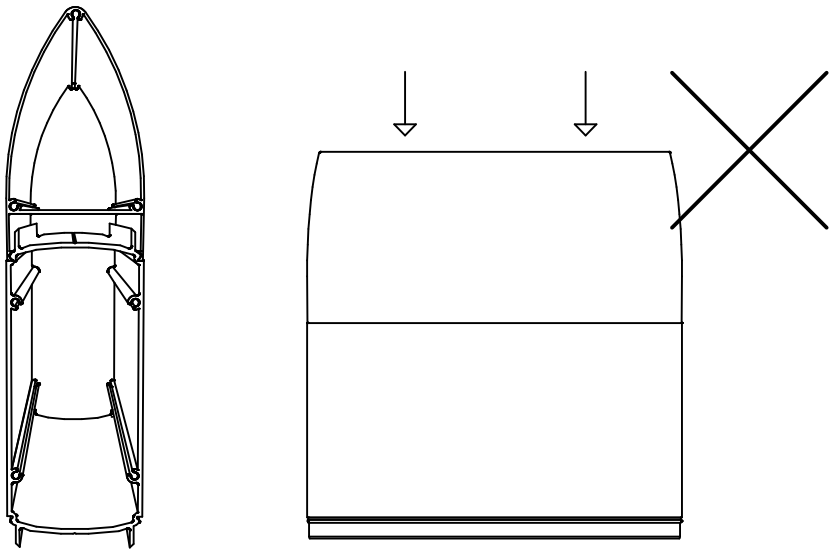


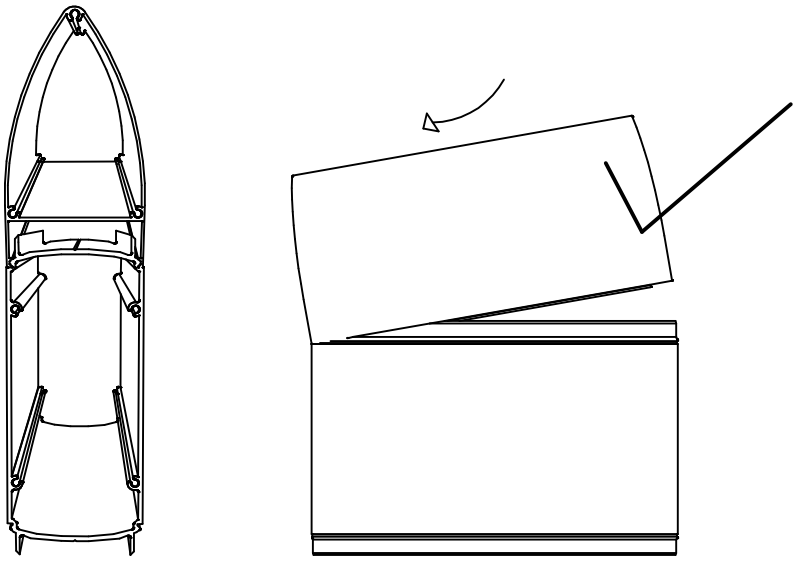
Postavljanje kape

Cover cap installation

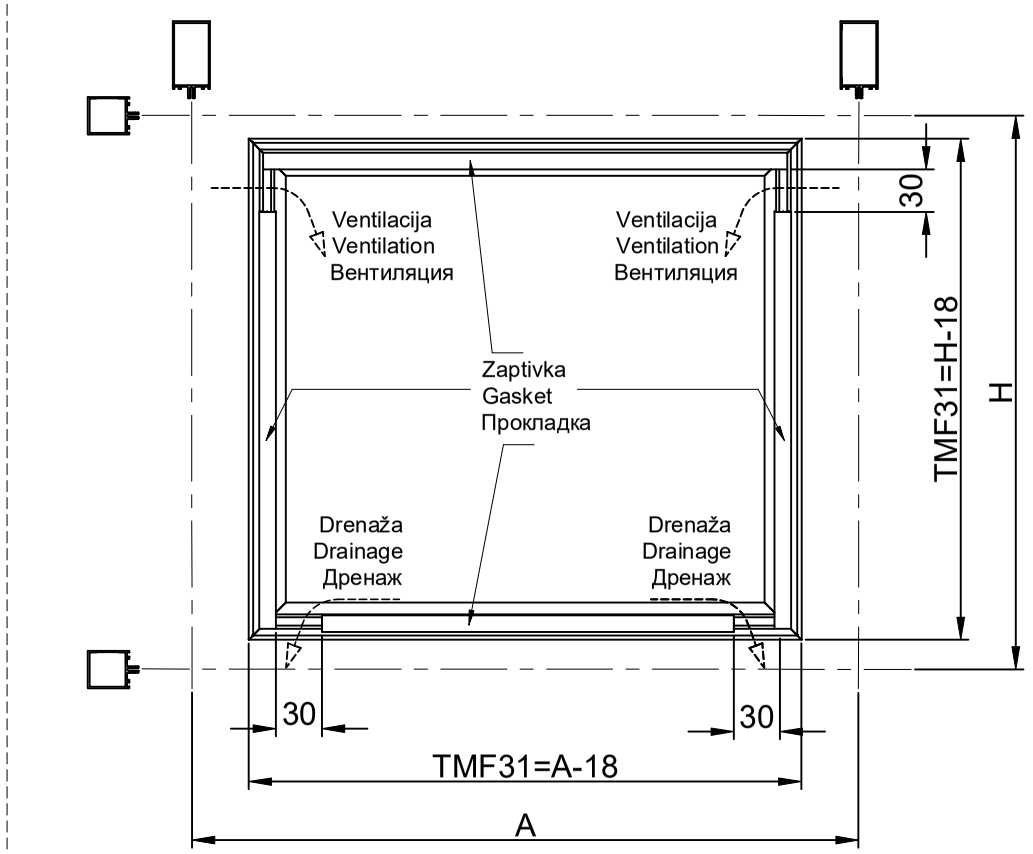
Монтажные декоративных накладок

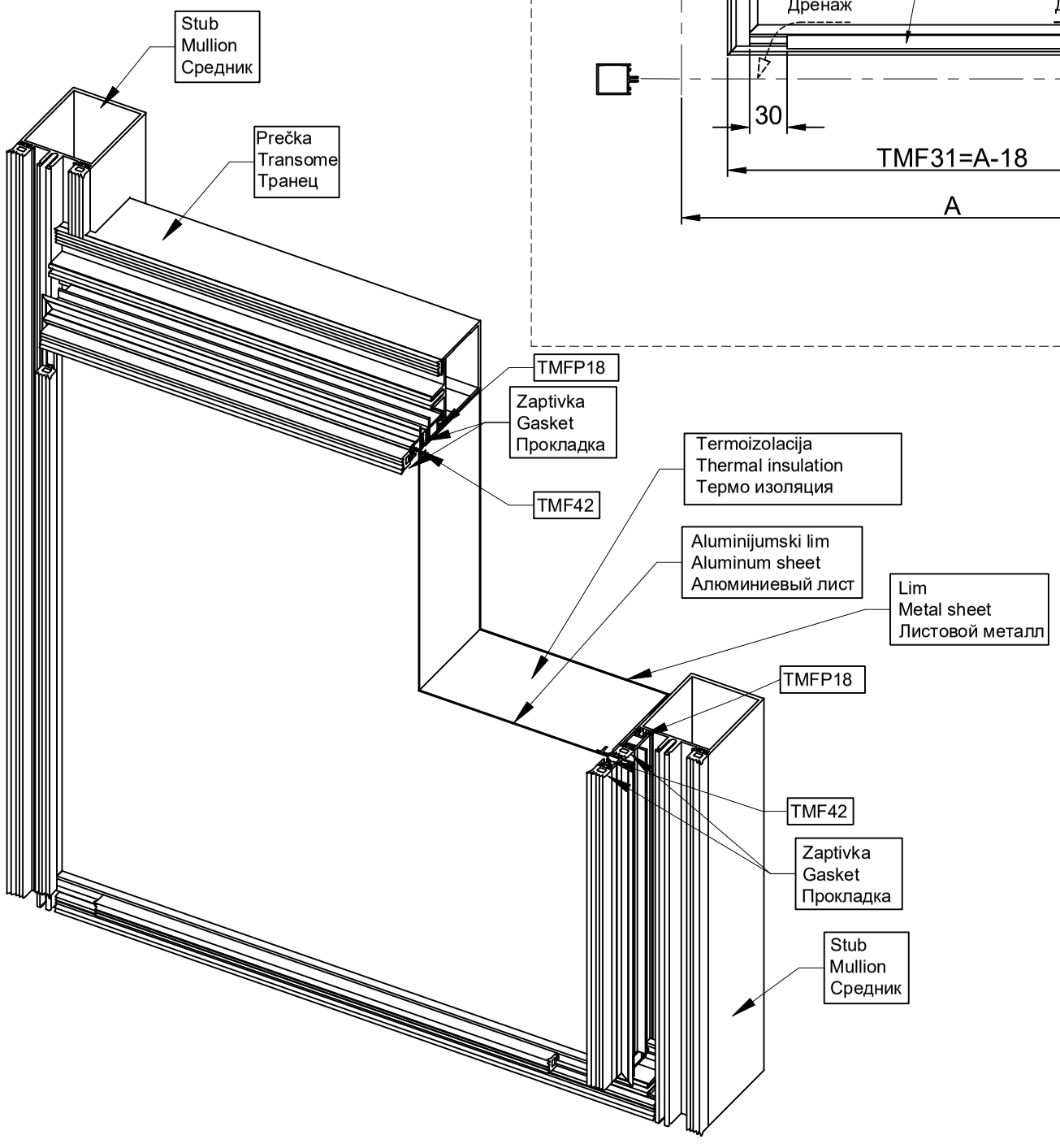


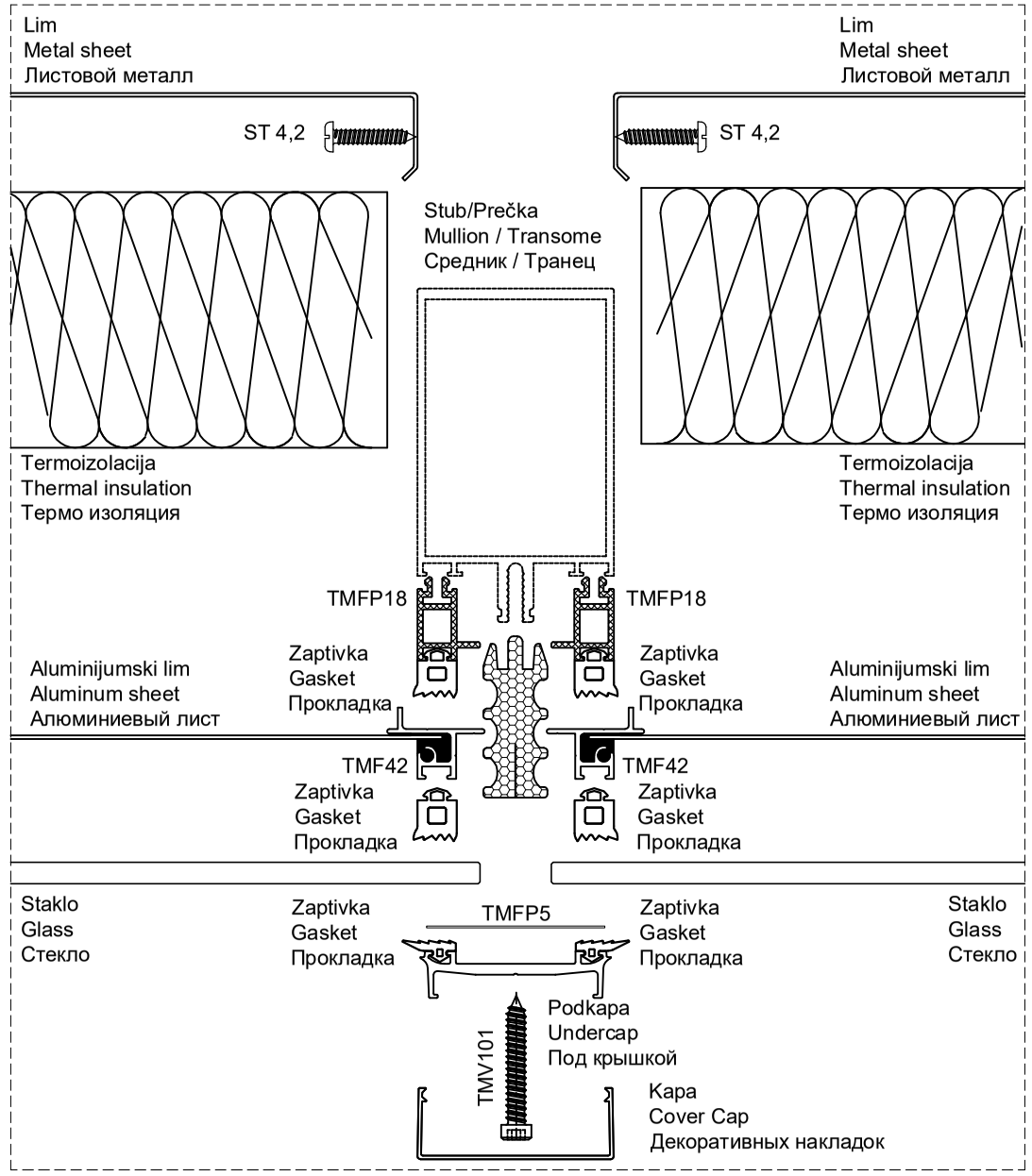


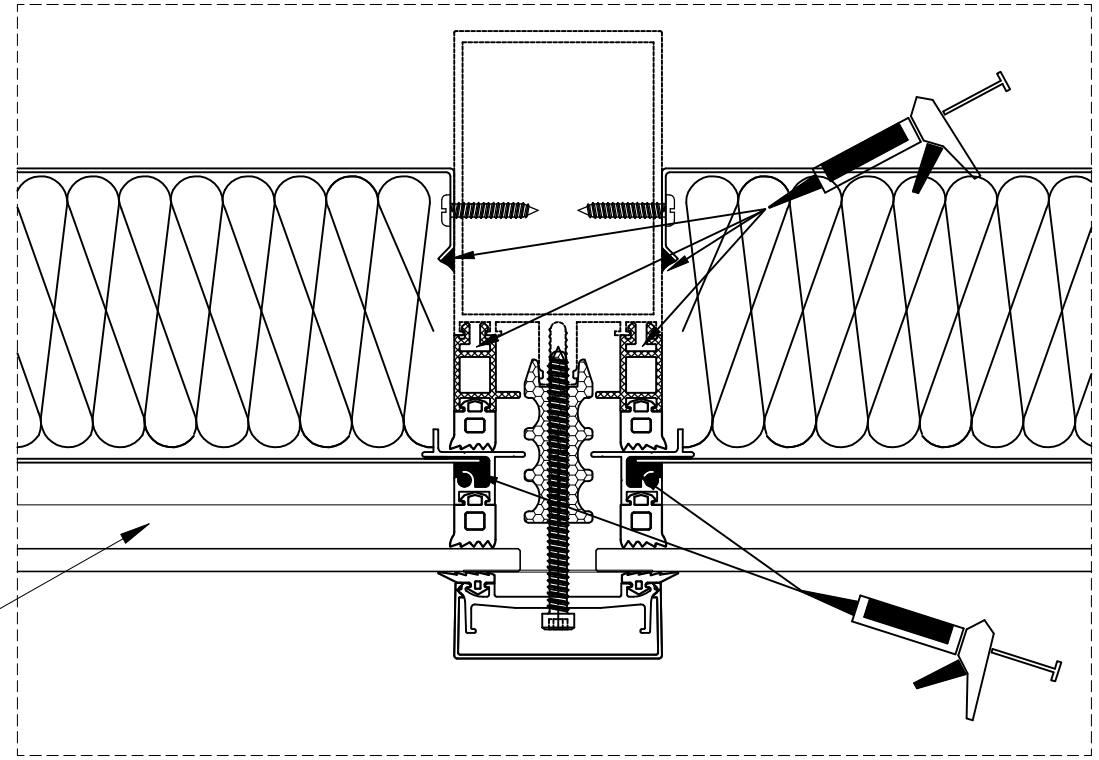


Parapetna zona
Spandrel zone
Эмалированное зона



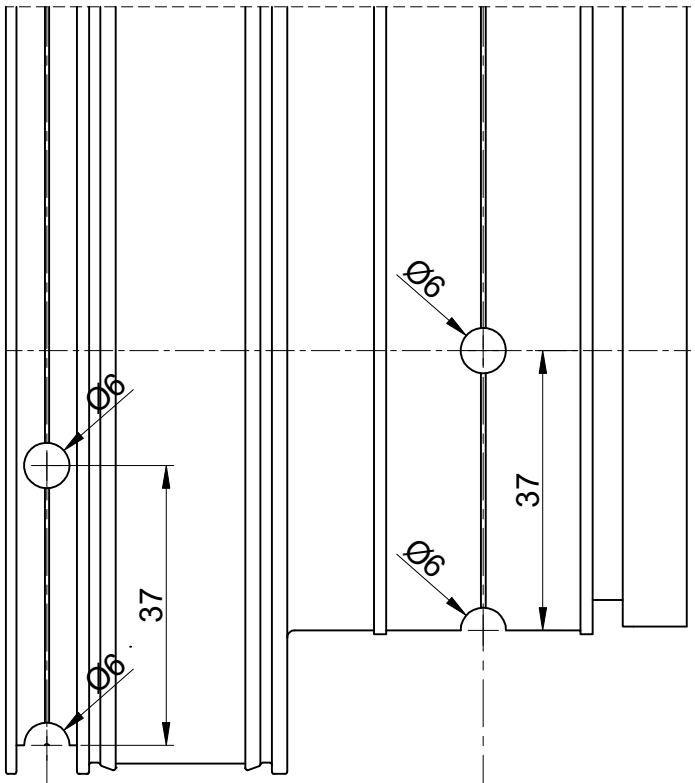


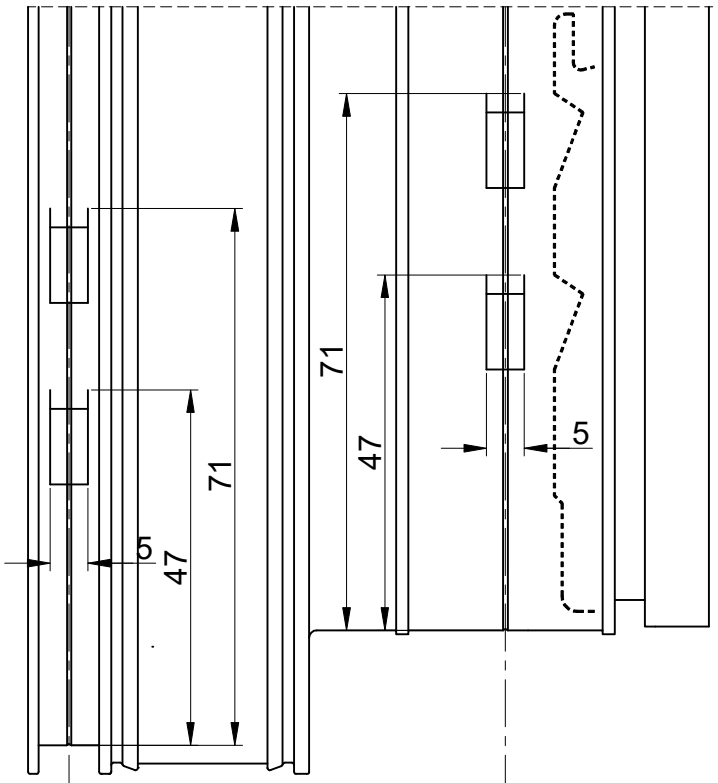


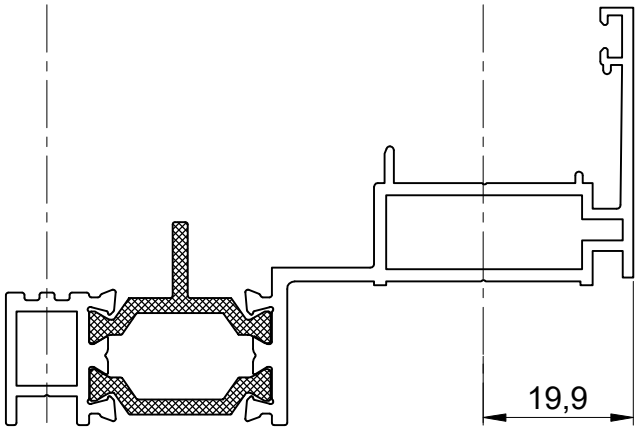


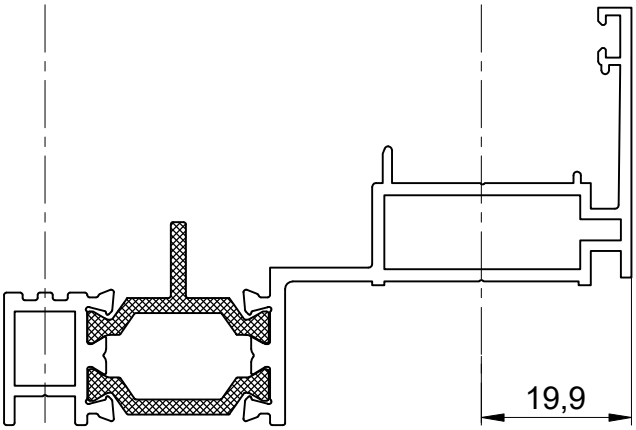
Koristiti LINEAL P1 presu
Use LINEAL P1 press
Использовать LINEAL P1 пресс

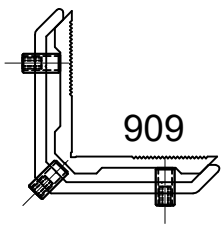
TMF133
TMF333
TMF153
TMF353

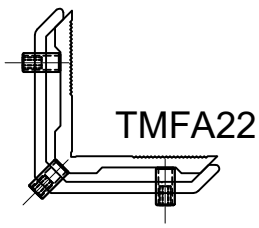


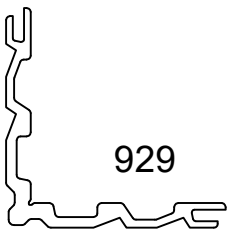


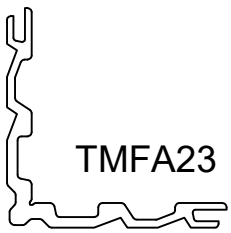






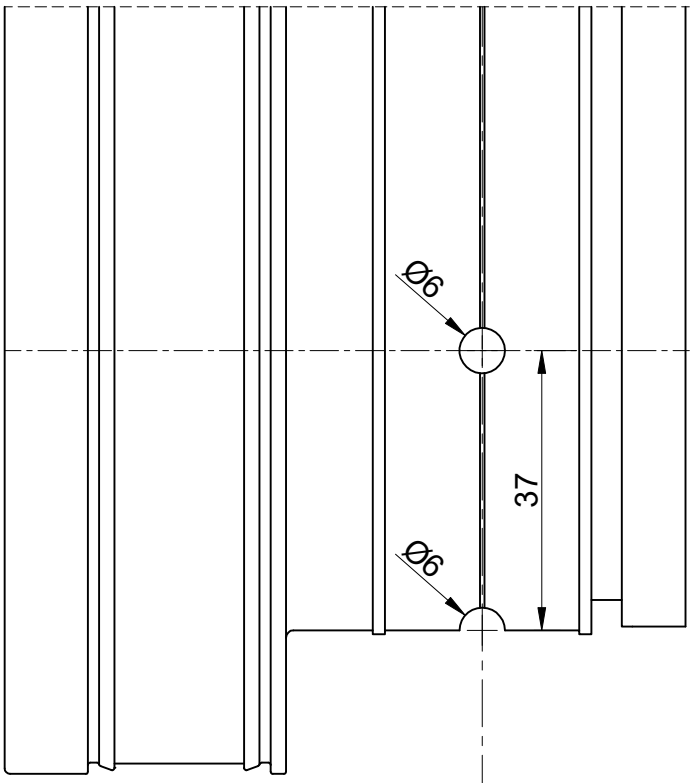


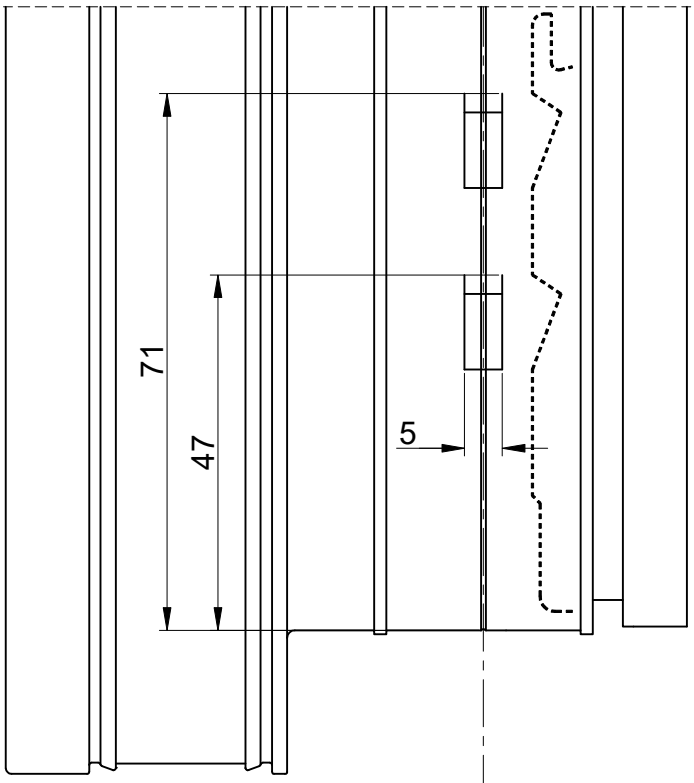


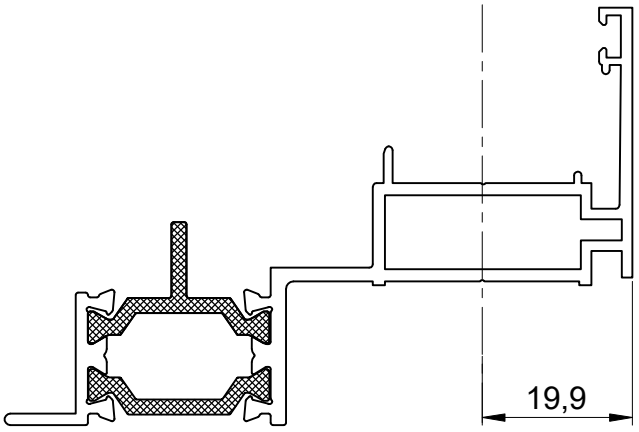


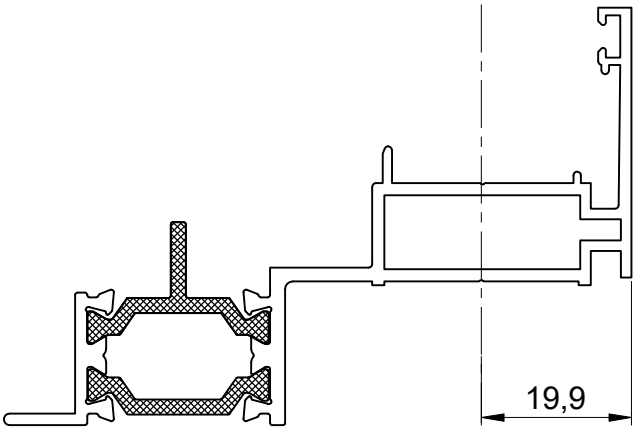
TMF 132
TMF 332

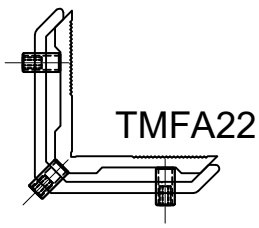
Koristiti LINEAL P1 presu
Use LINEAL P1 press
Использовать LINEAL P1 пресс

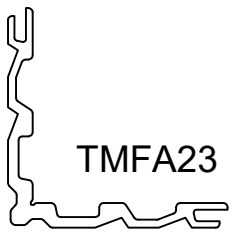






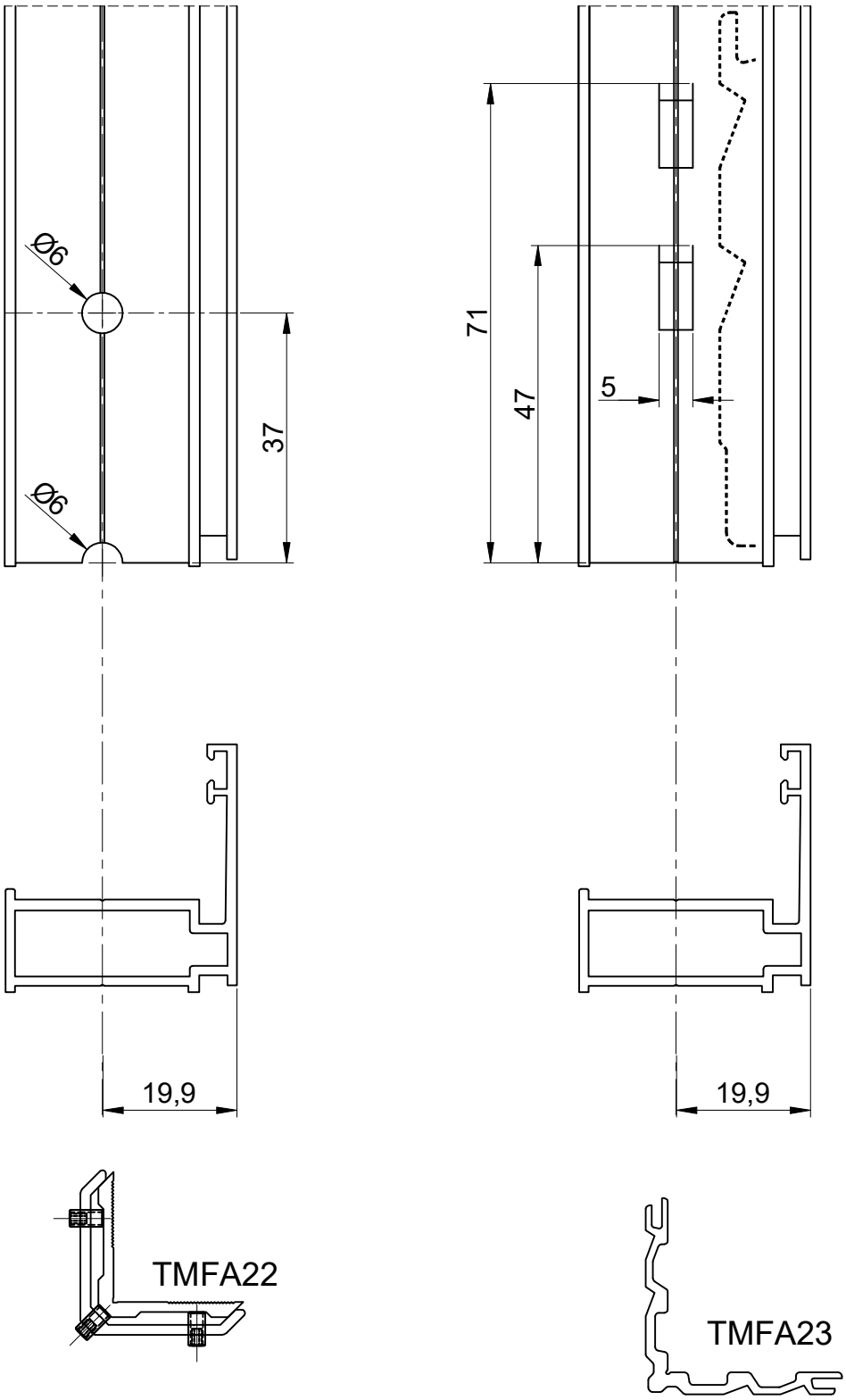






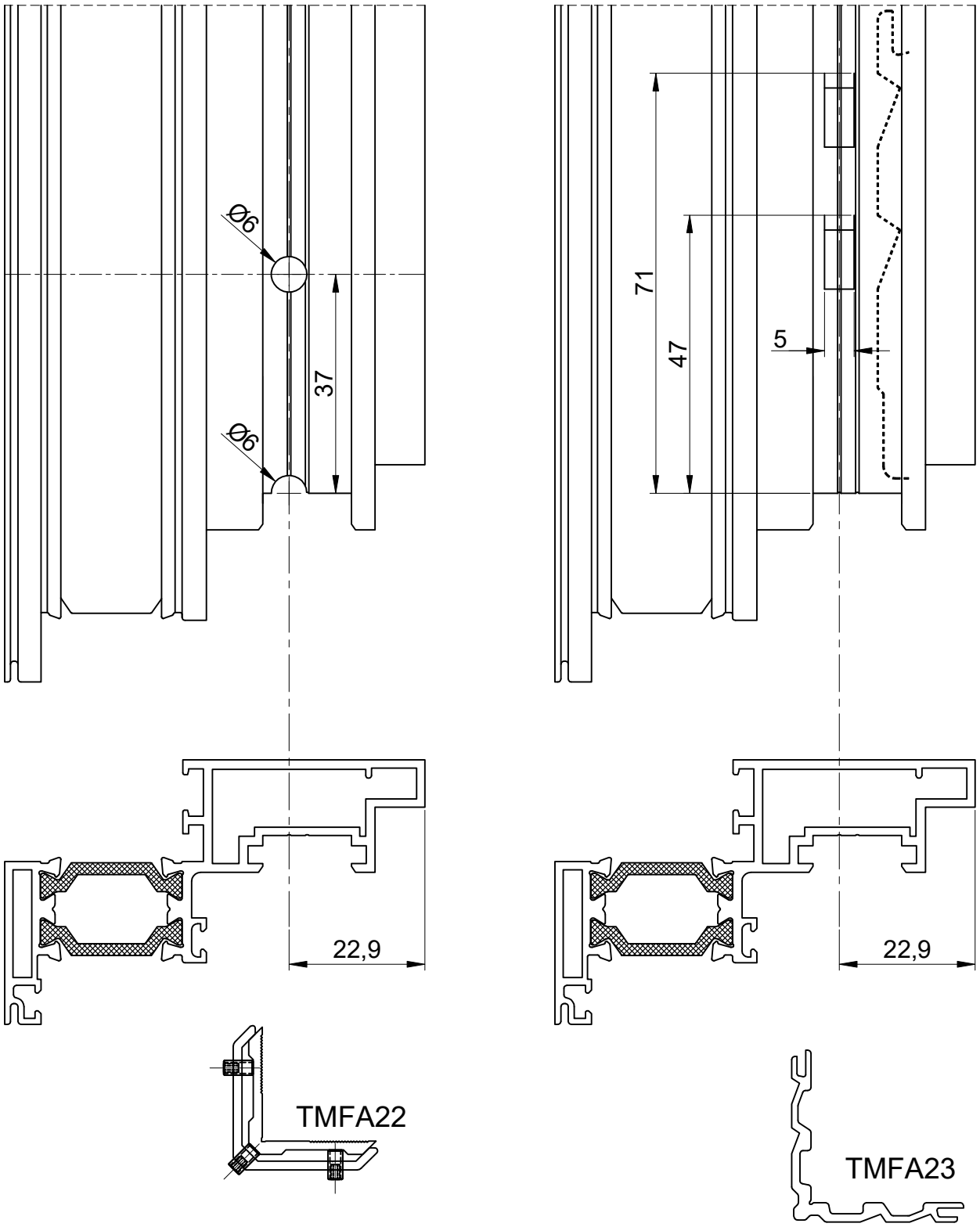
TMF 62

Koristiti LINEAL P1 presu
Use LINEAL P1 press
Использовать LINEAL P1 пресс



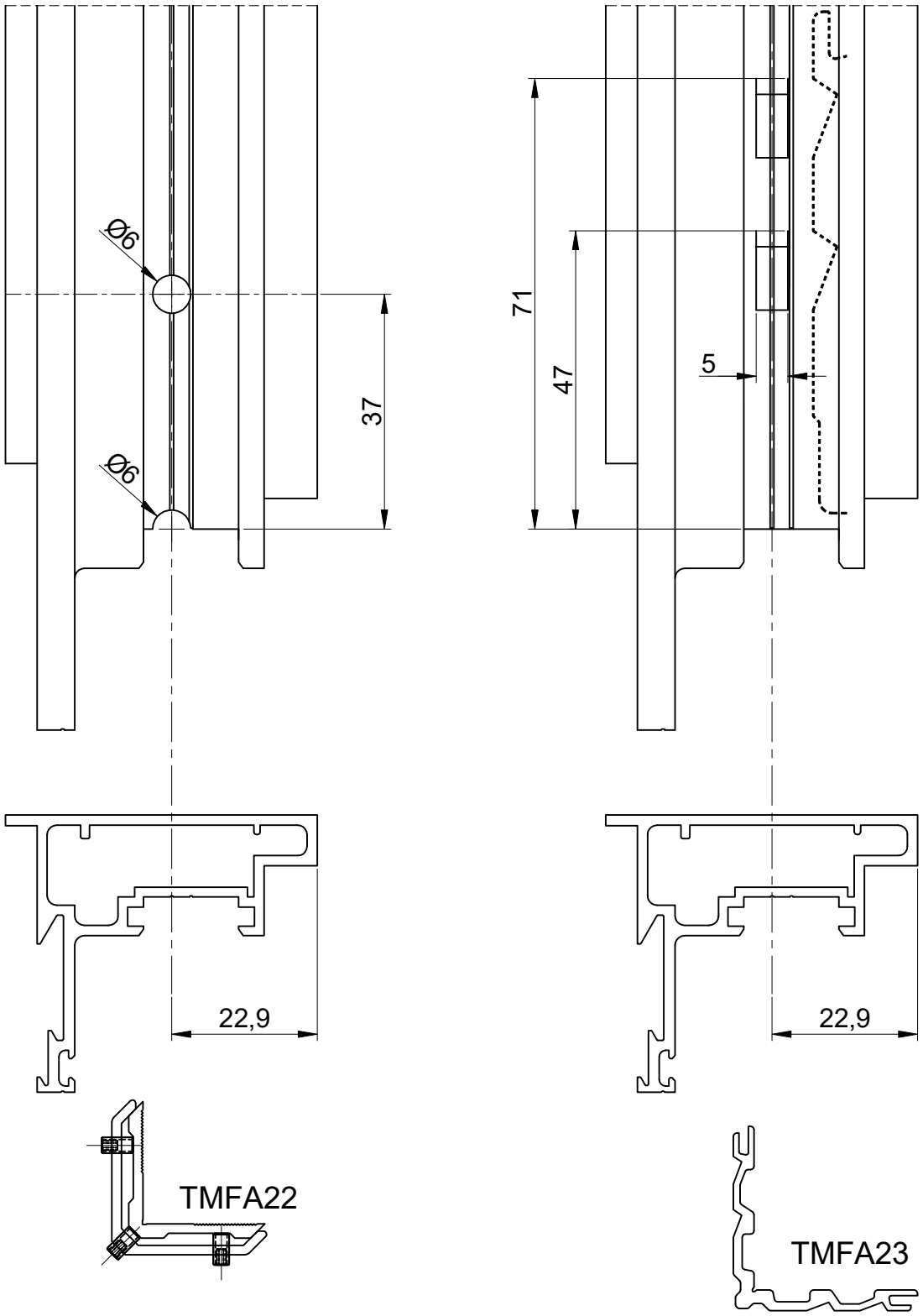
TMF 134
TMF 334

Koristiti LINEAL P1 presu
Use LINEAL P1 press
Использовать LINEAL P1 пресс

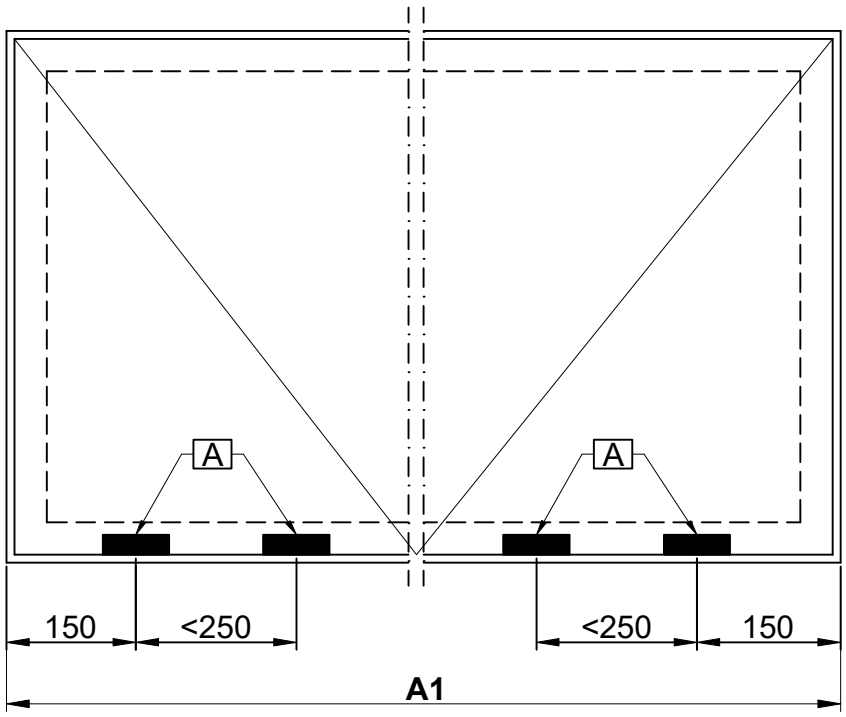


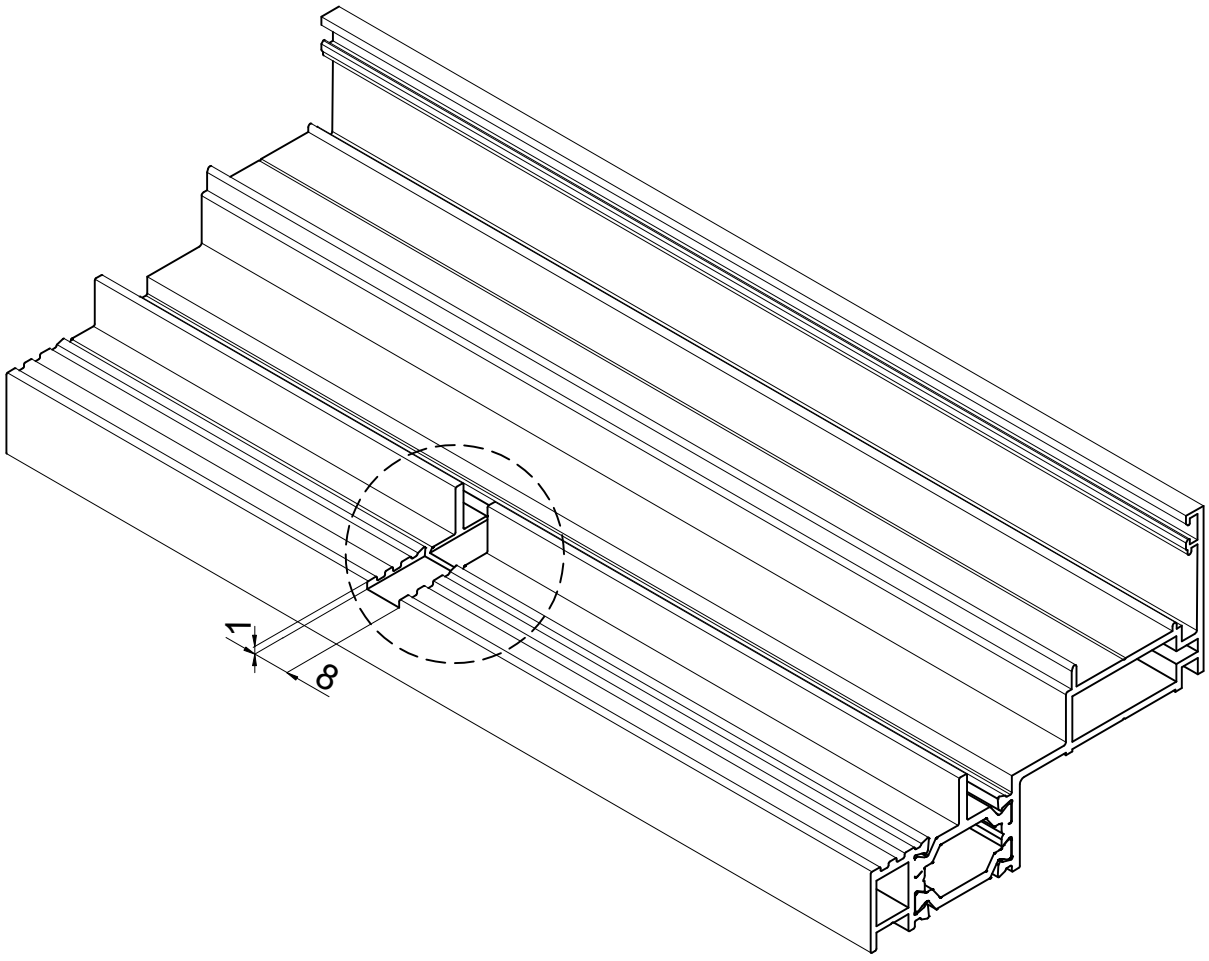
TMF 63

Koristiti LINEAL P1 presu
Use LINEAL P1 press
Использовать LINEAL P1 пресс

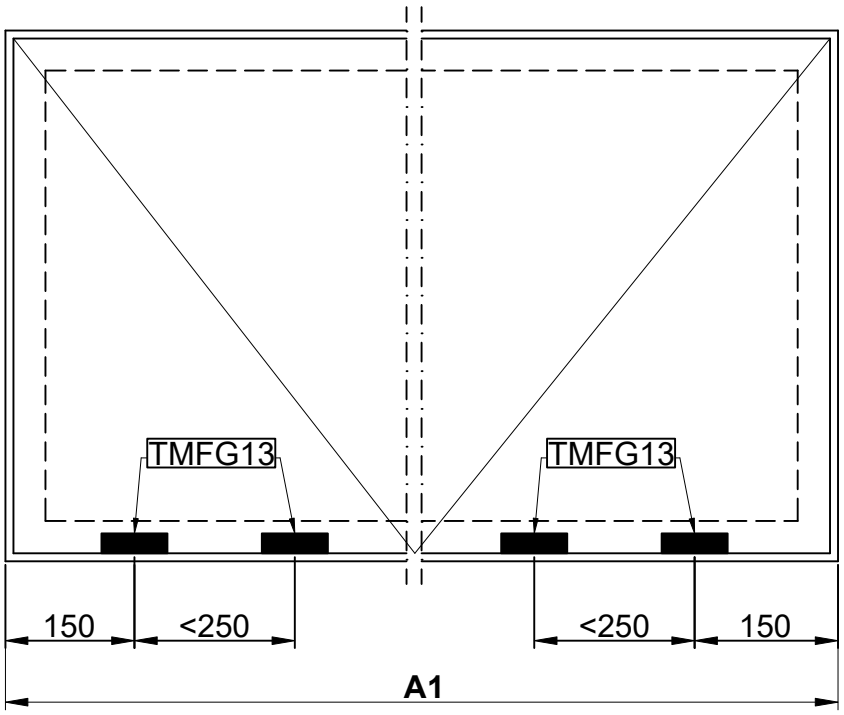


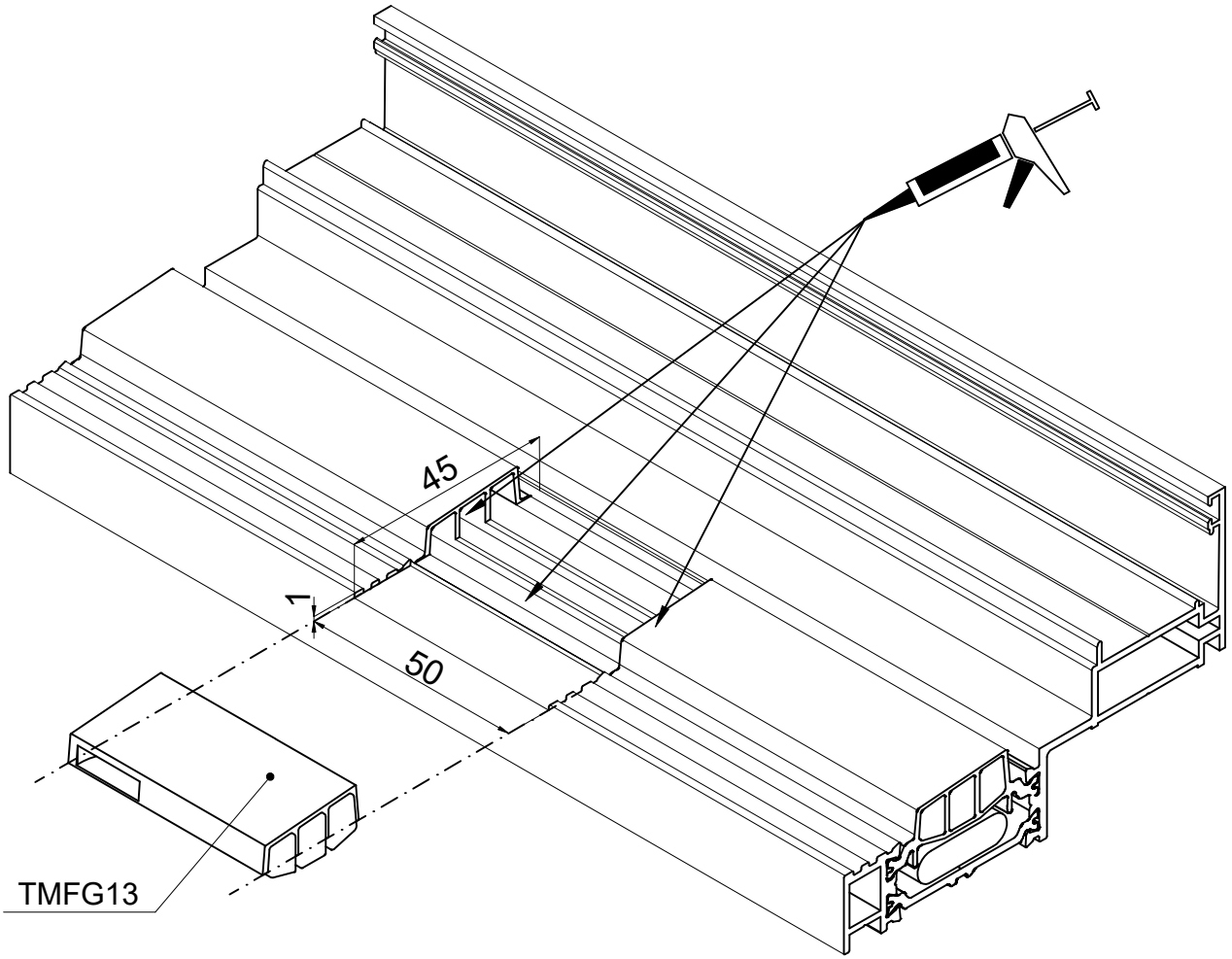
TMF 132
TMF133
TMF153



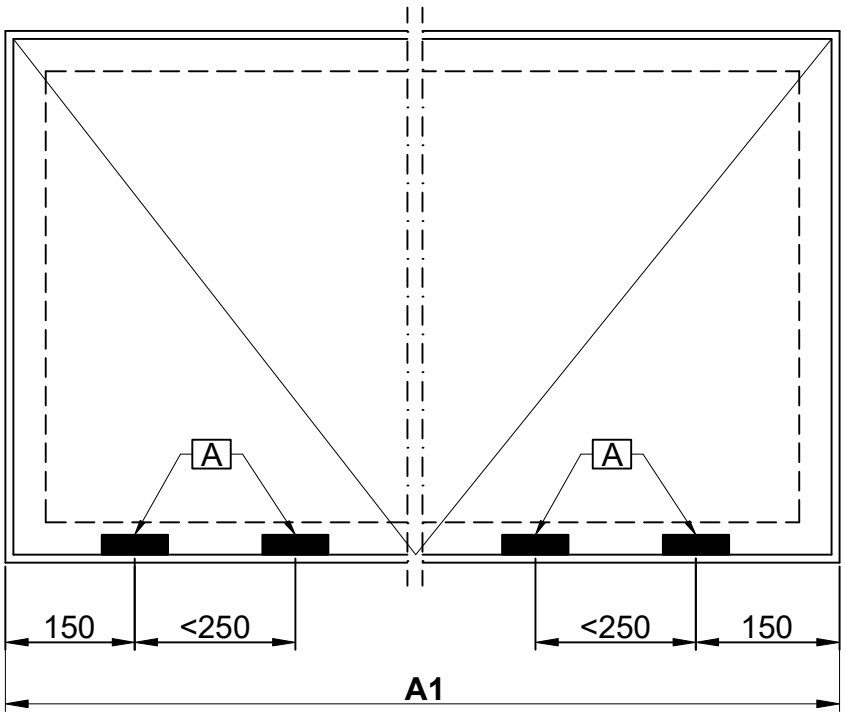


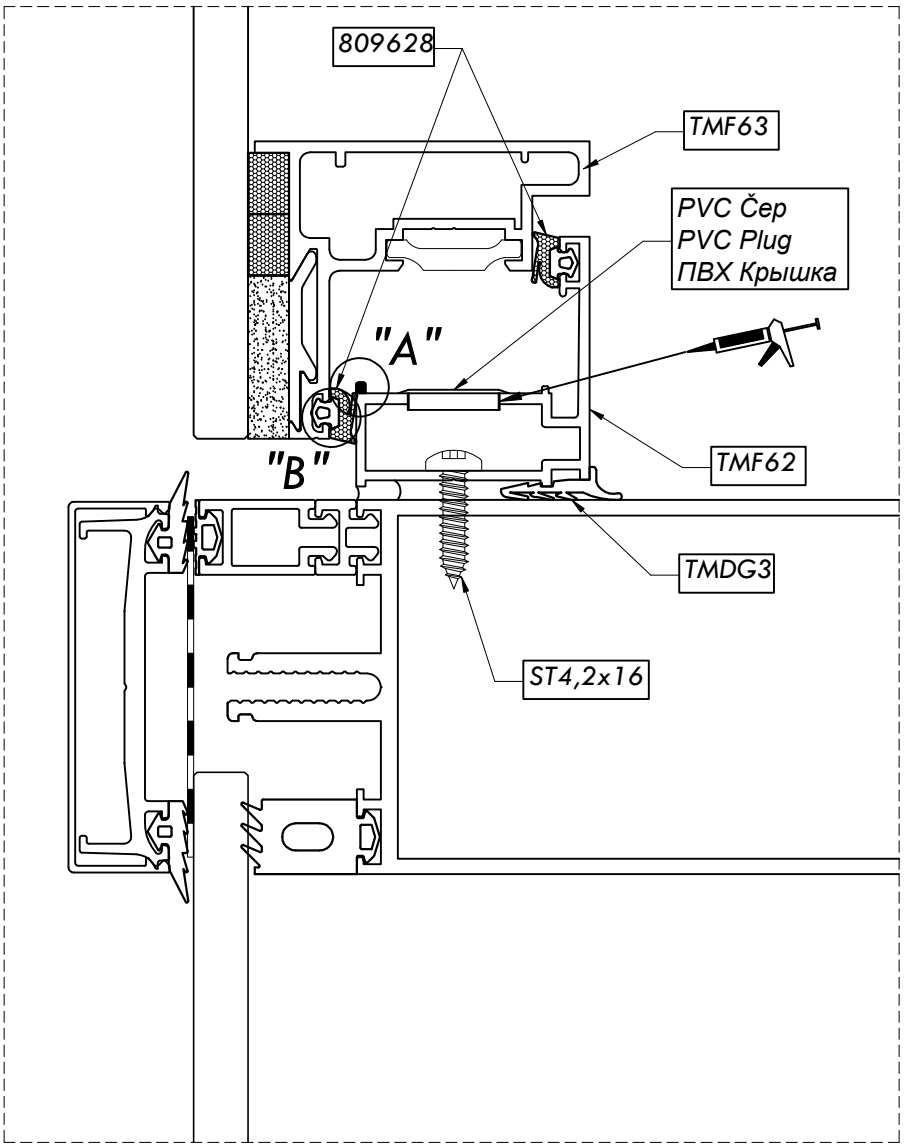
TMF 332
TMF333
TMF353

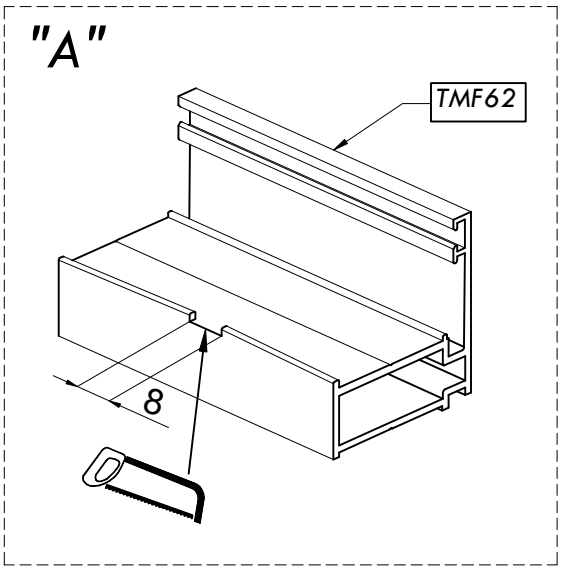


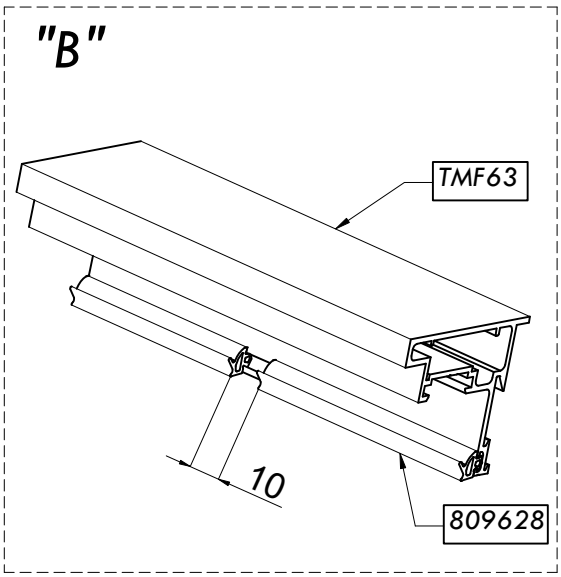


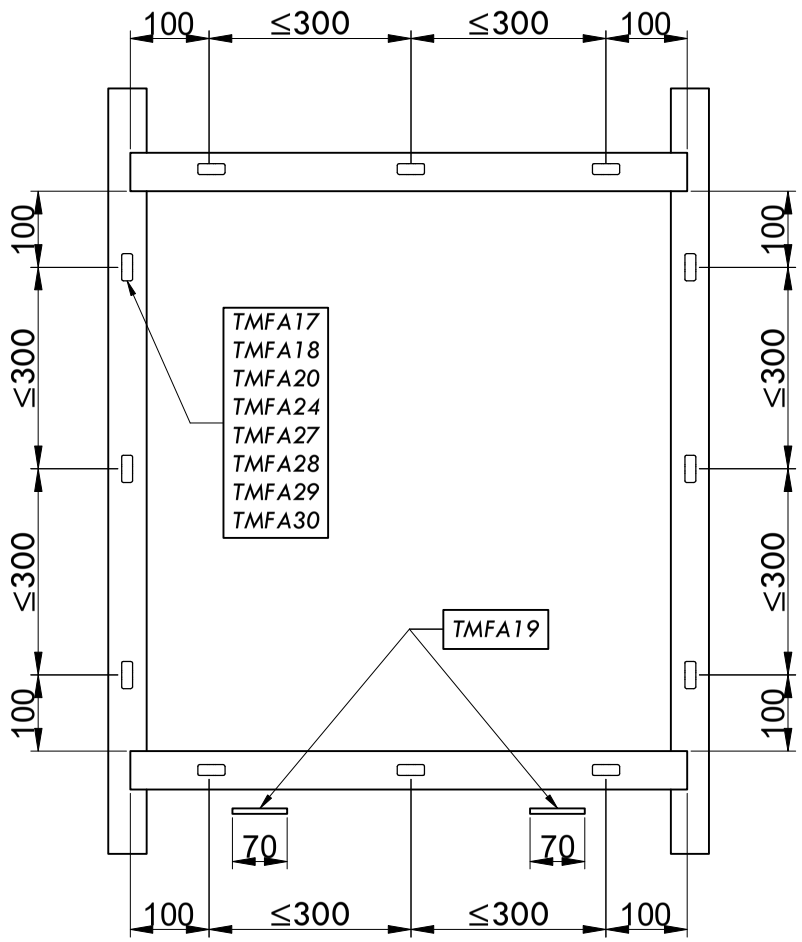
TMF 62
TMF 63

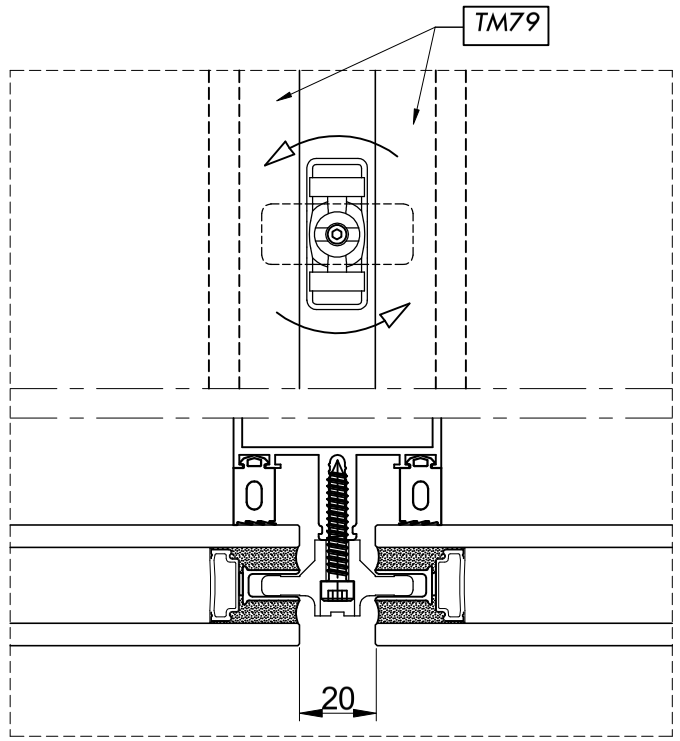

A
A
150
<250
<250
150
A1

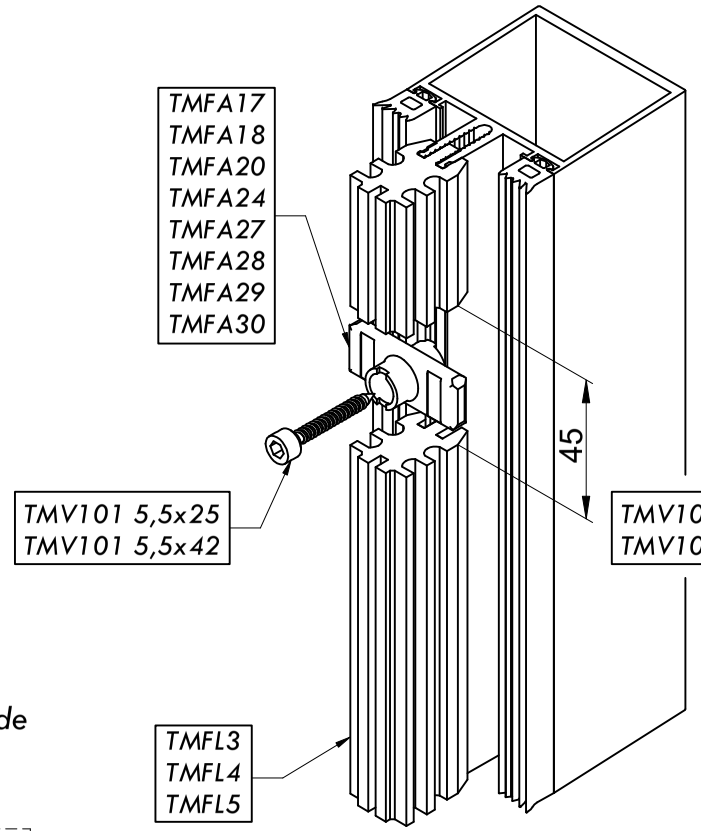

809628
TMF63
PVC Čep
PVC Plug
ПВХ Крышка
"A"
"B"
TMF62
TMDG3
ST4,2x16

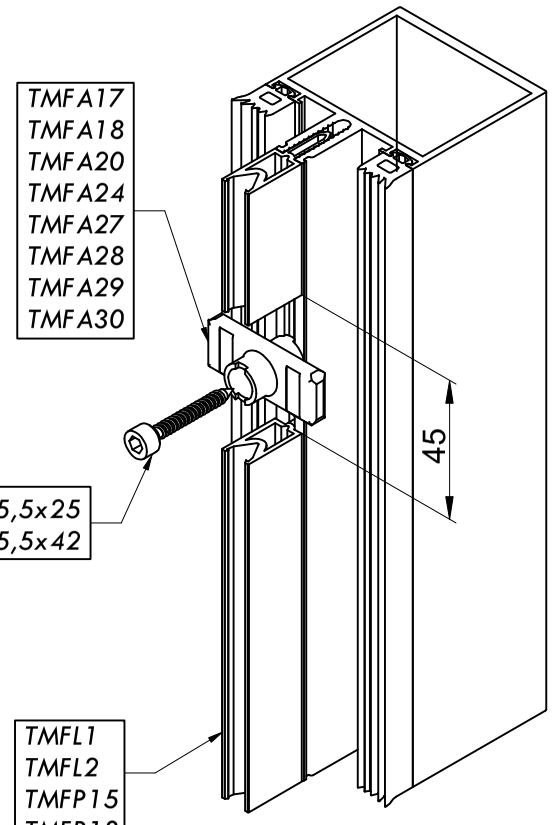

"A"
TMF62
8


"B"
TMF63
10
809628

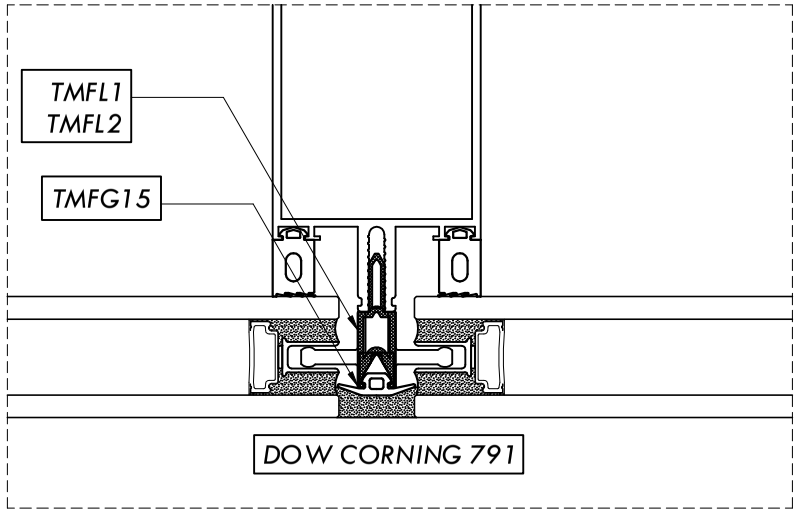


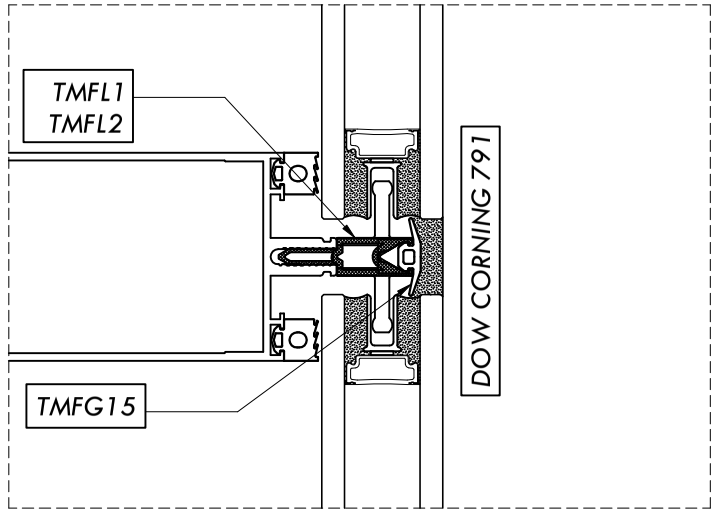


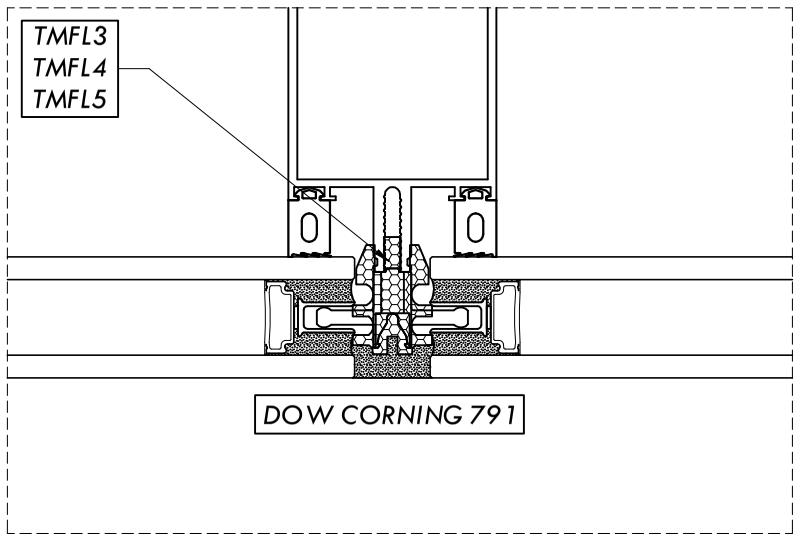


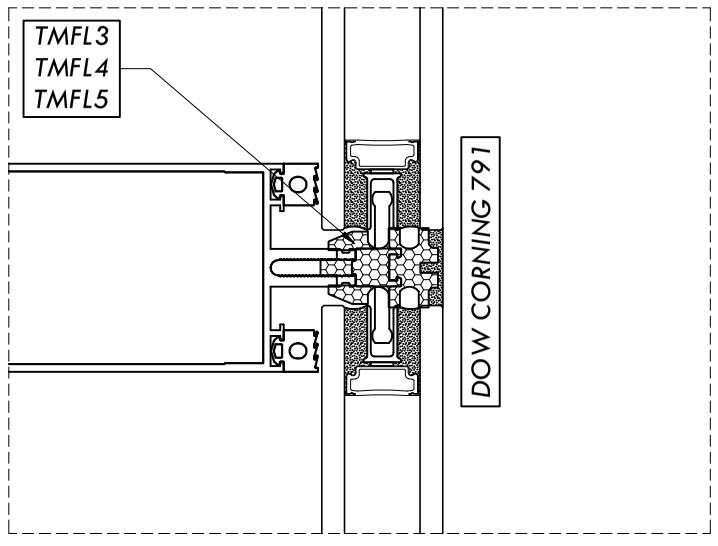


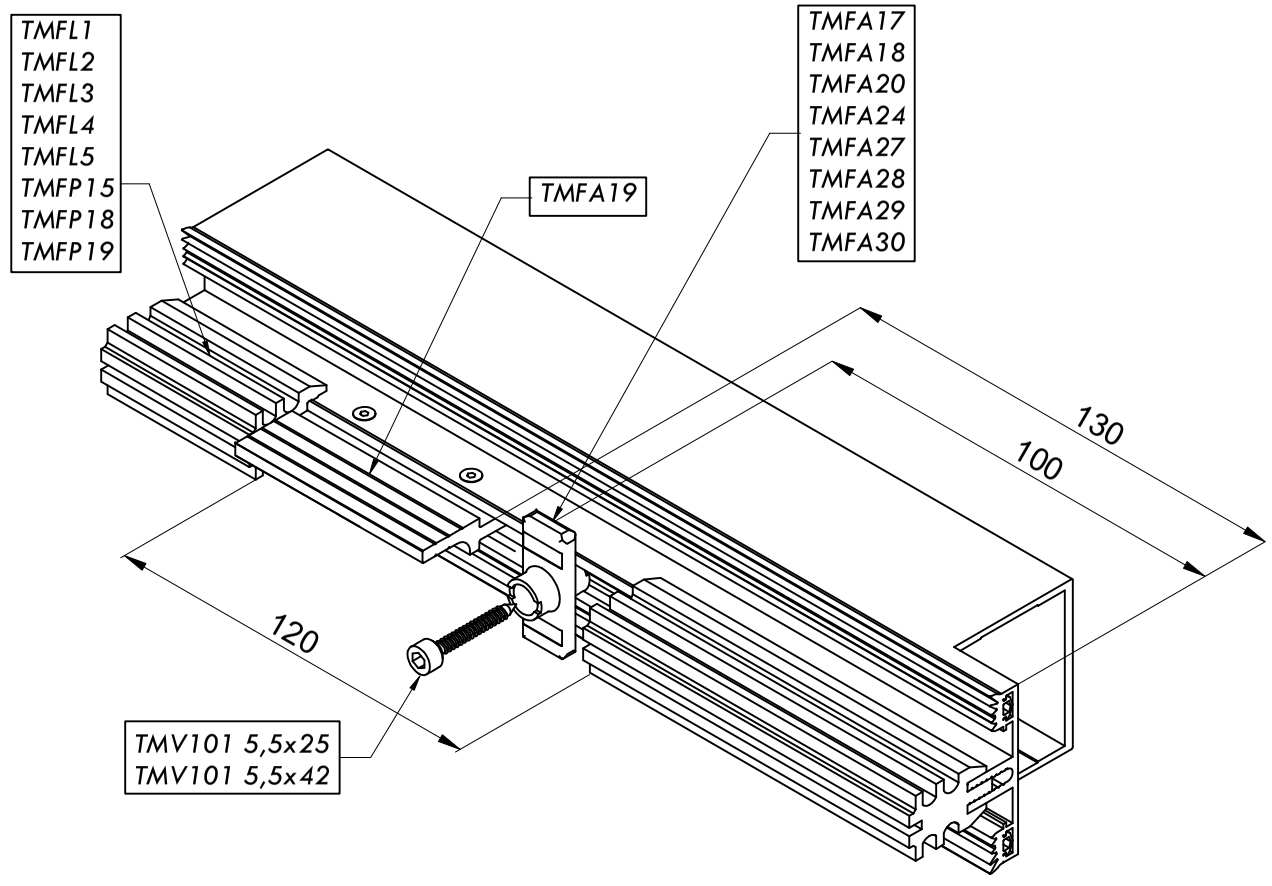
Završna obrada strukturalne fasade
Final treatman structural facade
Отделка структурная фасад

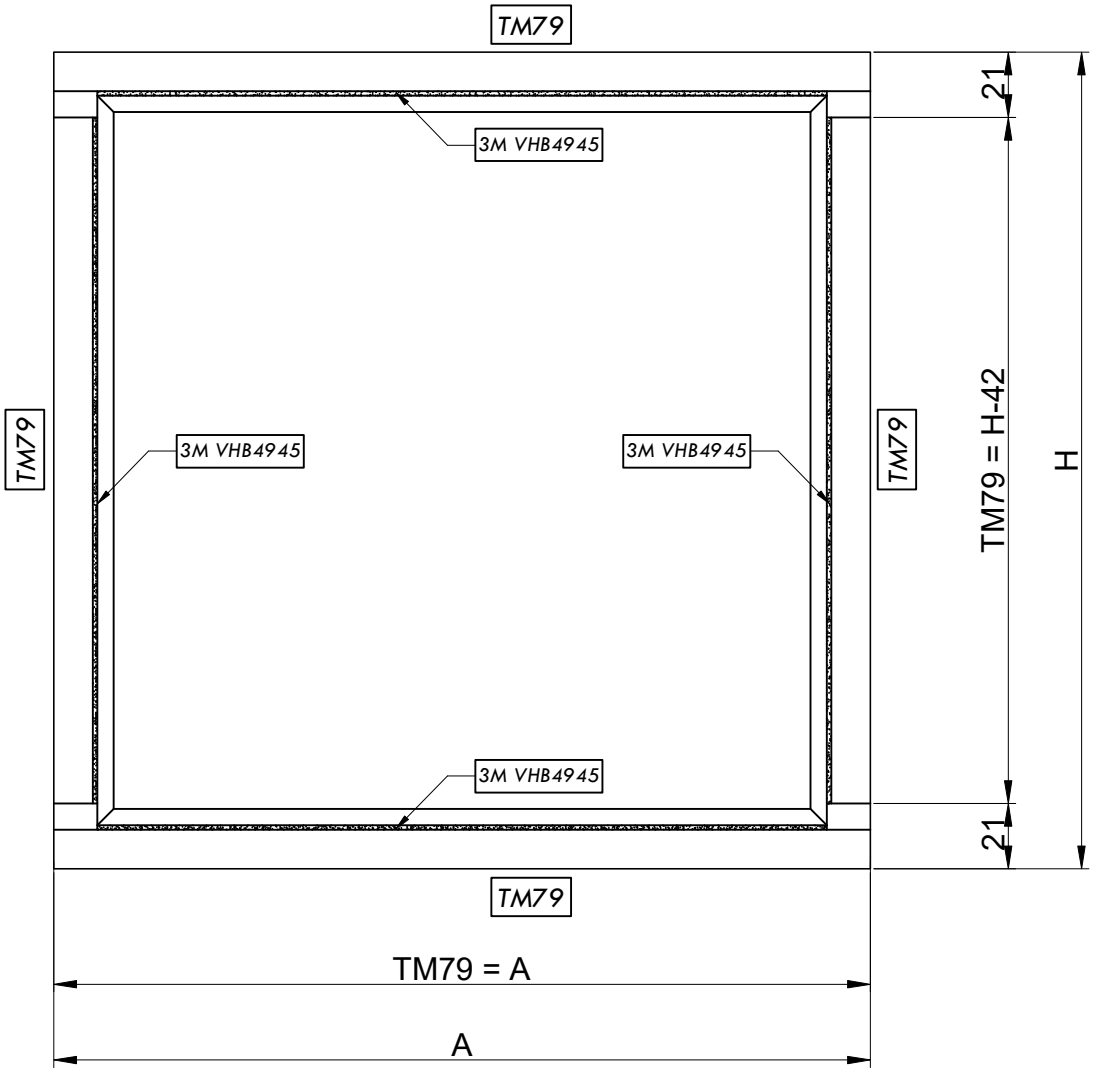


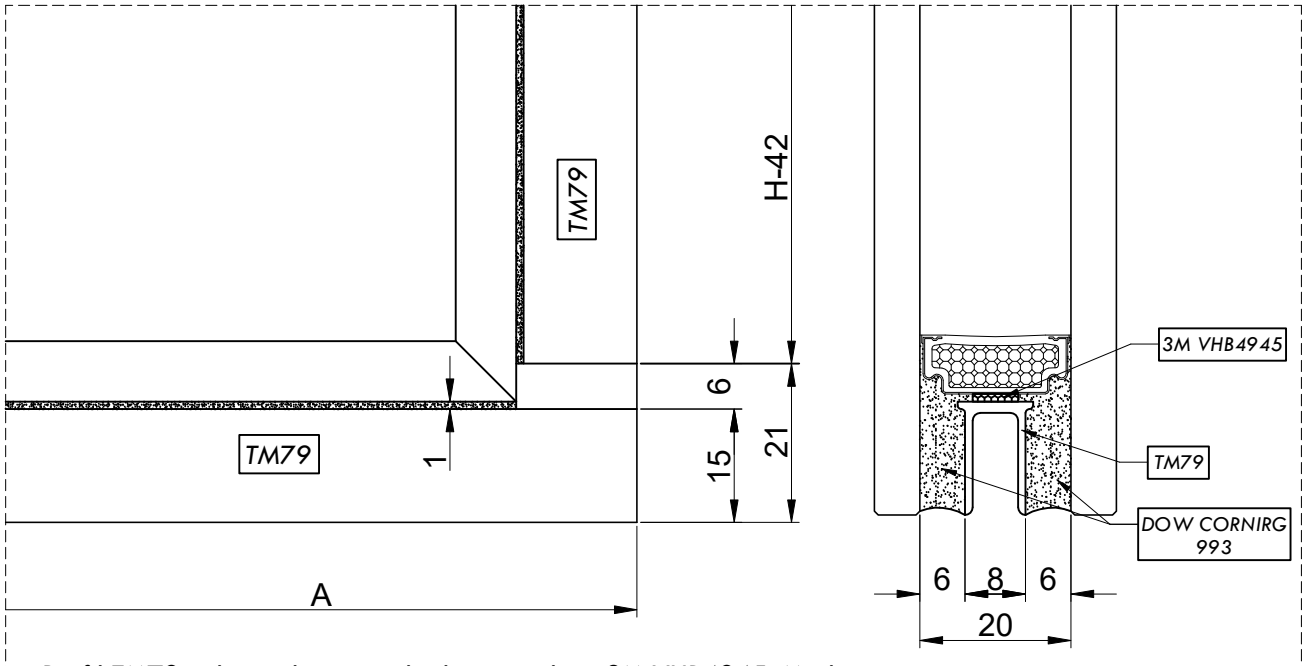












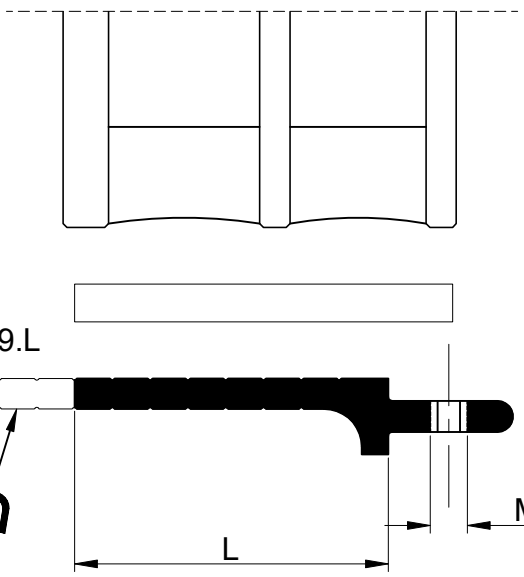
Profil TM79 zalepiti dvostrano lepljivom trakom 3M VHB4945. Međuprostor popuniti strukturalnim silikonom DOW CORNING 993 u sertifikovanoj ustanovi.

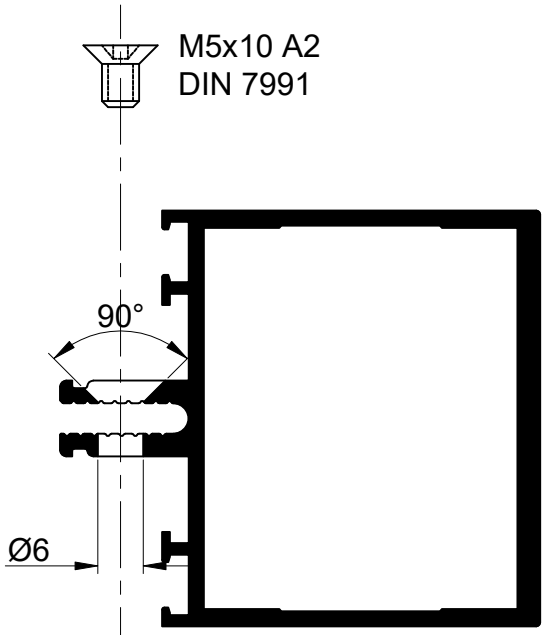
Profile TM79 stick with double-sided adhesive tape 3M VHB 4945. Interspaces fill with structural silicone DOW CORNING 993 by a certified institution.

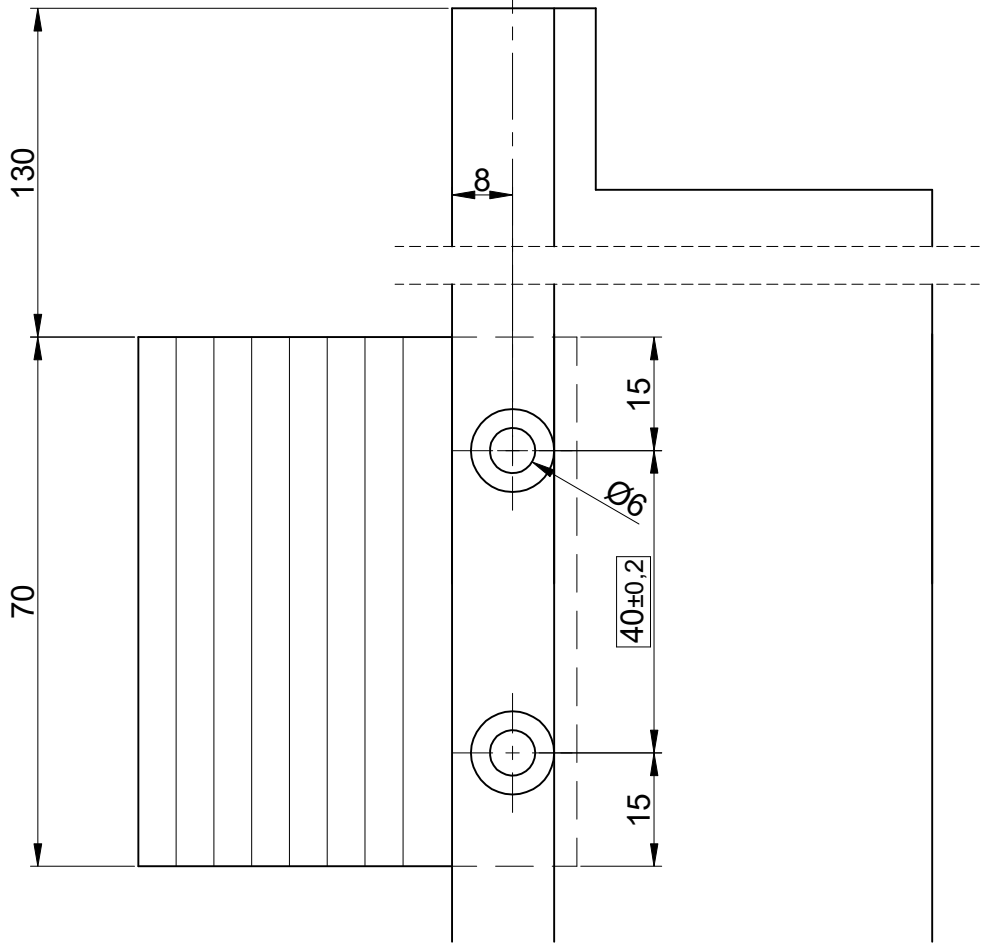
Профиль TM79 вставьте двусторонняя клейкая лента 3M VHB 4945. Межстрочный интервал, чтобы заполнить структурная силиконовая DOW CORNING 993 у сертифицированным учреждением.

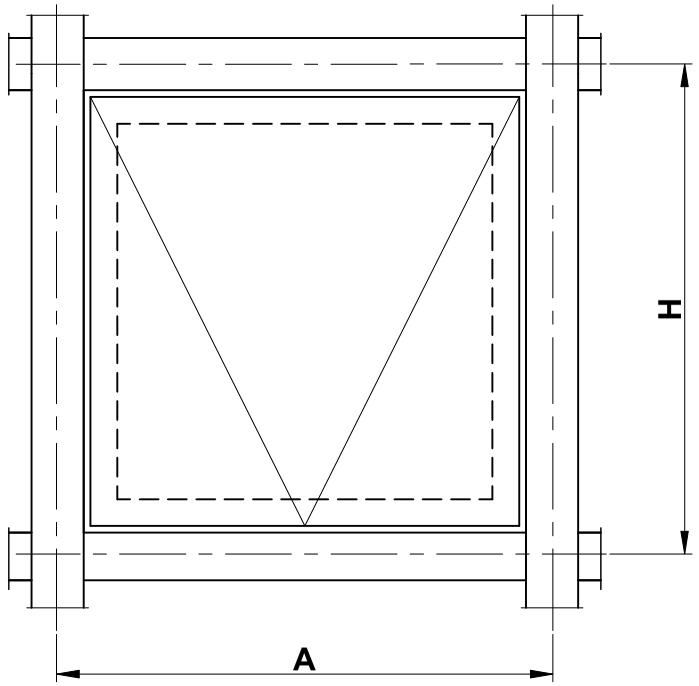


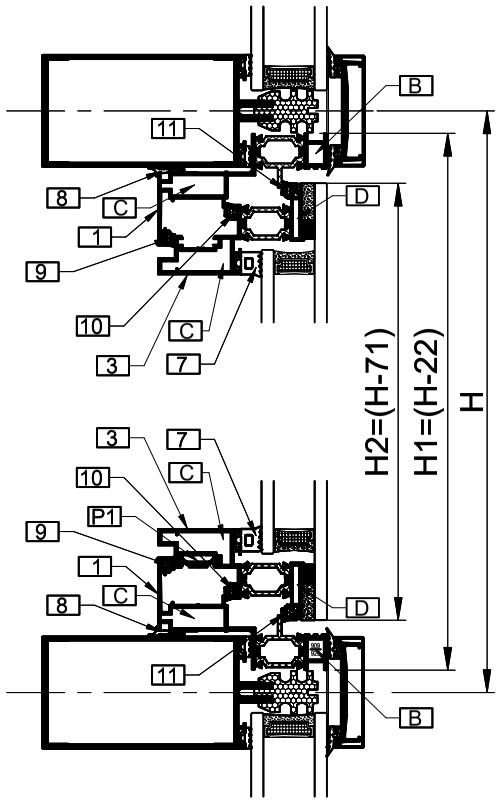
TMF36

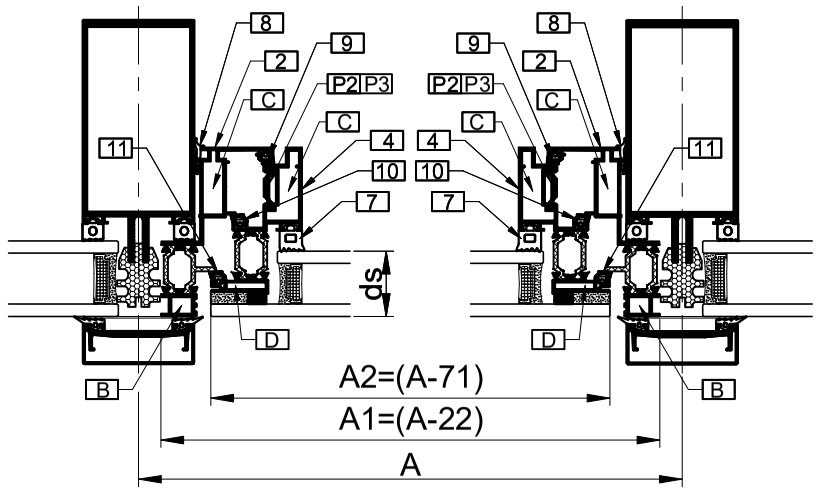


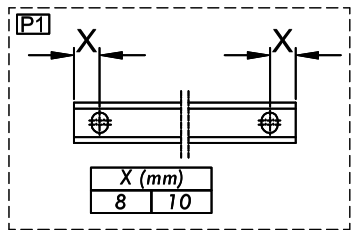






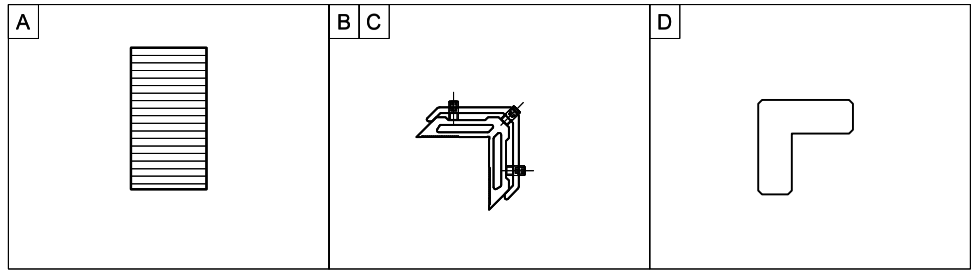






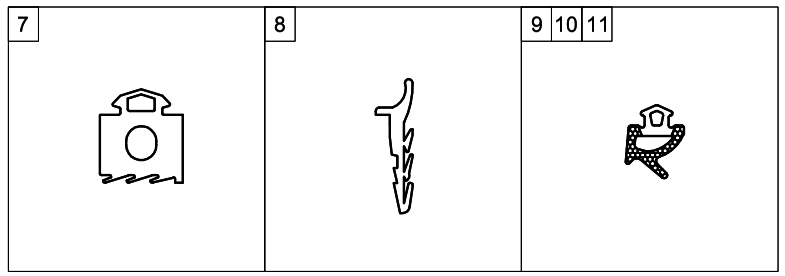
Pribor/Hardware /Аксессуаров

	opis/description/опицание	*II**	*III**	*kom/pc/шт*
A	podloška za staklo / glazing pad / коврик из стекла	30x75x5	50x75x5	2
B	ugaona spojnica / corner joint / угловое соединение	909 / 929		4
C	ugaona spojnica / corner joint / угловое соединение	TMFA22 / TMFA23		8
D	spojnica u peru / thorn clip / суставы в перу	TMFA70		4
E	vijak / screw / винт	DIN 7982 2,9x9,5 (A2)		2-5
F	Sigurnosni oslonac stakla / Safety glazing support / *Поддержка безопасности остекления*	TMFA26		2



Zaptivke/Gaskets /Резина

	opis/description/опицание	*II**	*III**	*metara/meter/метр*
7	zaptivka za staklo / glazing gasket / остекление прокладка	TMFG1		2x(A2-60)+2x(H2-60)
8	zaptivka na štoku / casement gasket / прокладка на раме	TMDG3		2xA1+2xH1
9	zaptivka na štoku / casement gasket / прокладка на раме	TMFG30		2x(A1-100)+(2xH1-100)
10	zaptivka na krilu / casement gasket / прокладка на раме	TMFG30		2x(A2-20)+2x(H2-20)
11	zaptivka na krilu / casement gasket / прокладка на раме	TMFG30		2xA2+2xH2



Profili/Profiles /Профили

	*II**	*II**	*III**	*III**
	133	153	333	353
	134		334	
	TM33			

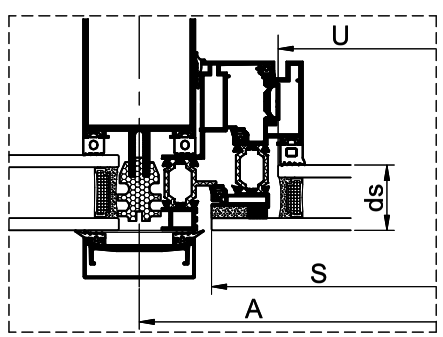
	mm	*kom*	αa/αb
1	A1=A-22	x2	45°/45°
2	H1=H-22	x2	45°/45°
3	A2=A-71	x2	45°/45°
4	H2=H-71	x2	45°/45°
P1	L1=(A2/2)-76+2X	x2	90°/90°
P2	L2=H2-LM*-230	x2	90°/90°
P3	L3=LM*	x2	90°/90°

*II** - Dvostruko stakolo / Double glazing / *Двойное остекление*
*III** - Trostruko stakolo / Triple glazing / Тройной остекление
*LM** - Dužina makaze / Top-hung arm lenght / Длина ножницы

4060.05.55	LM = 16" (406mm)
4060.07.55	LM = 20" (508mm)
4060.08.55	LM = 24" (610mm)
4060.09.55	LM = 28" (711mm)

Staklo/Glass /Стекло

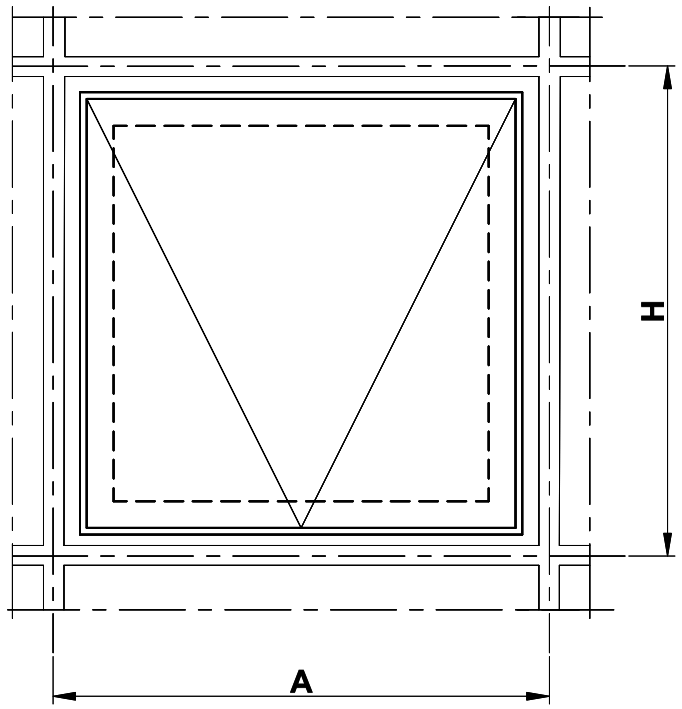
*II**	*III**
ds=32mm	*ds=52mm*
S = (A-71)x(H-71)	
U = (A-137)x(H-137)	
x1	

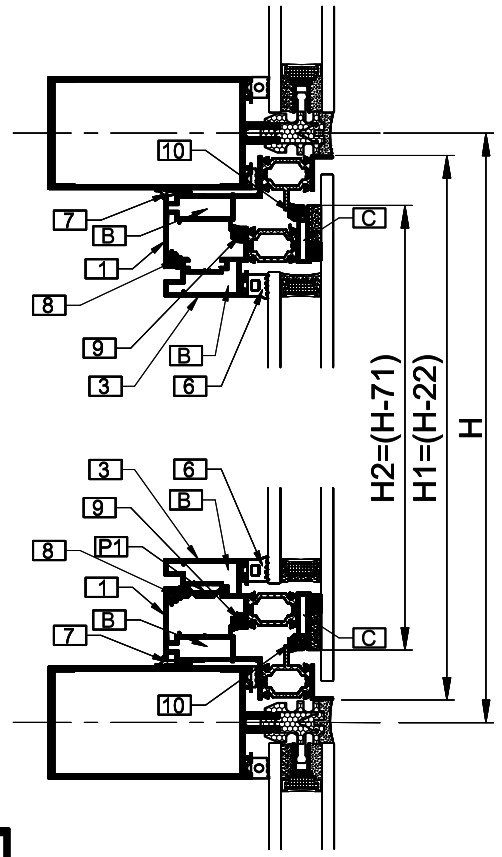


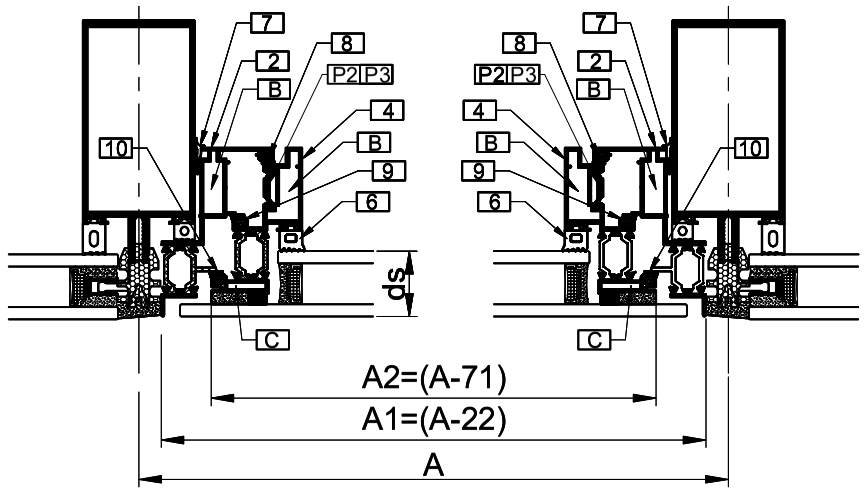
Garnitura okova/Fetter set /Оконные гарнитури

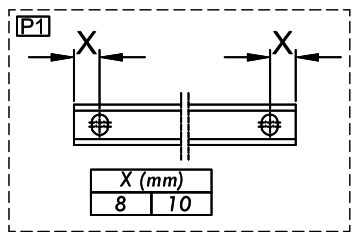
	opis/description/опицание					*II**	*III**	*kom/pc/шт*
12	Ručica sa priborom / Handle with accessories / Ручка с крепежным набором					1140.00		1
13	Ugaoni prenosnik / Corner trasmission / Угловои переходник					4010.20		2
14	Pribor za fasadne profile / Accesories for facade profiles / Аксессуары для фасадных профилей					4060.10		2
15	Pribor za fasadne profile / Accesories for facade profiles / Аксессуары для фасадных профилей					4060.04		1
16	Pribor za fasadne profile / Accesories for facade profiles / Аксессуары для фасадных профилей					4060.05.02		8 (10)
17	Gornji zabravljivač / Upper interlock / Верхняя блокировка					4060.45		1*
18	Pribor makaze / Scissors accessories / Аксессуары ножниц					4060.09.50R		1
19	Makaze / Top-hung arm / Ножницы	H (mm)	min	600	160 kg (max)	4060.05.55R		1
			max	1200				
		H (mm)	min	1200	160 kg (max)	4060.07.55R		1
			max	1600				
		H (mm)	min	1600	160 kg (max)	4060.08.55R		1
			max	1800				
		H (mm)	min	1800	160 kg (max)	4060.09.55R		1
			max	2000				

*Za širinu krila >1200mm - 2 kom. / For sash width >1200mm - 2 pc. / Для ширина створки >1200мм - 2 шт.



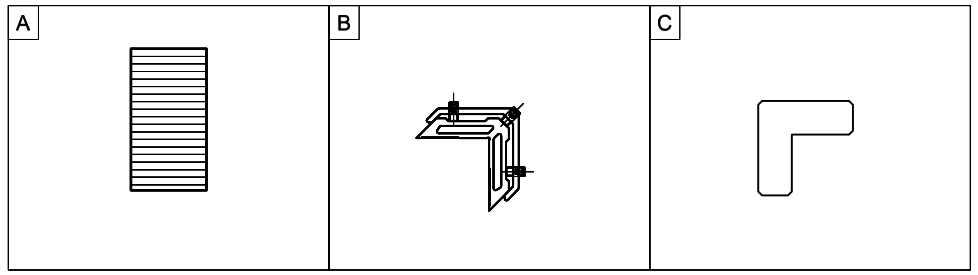






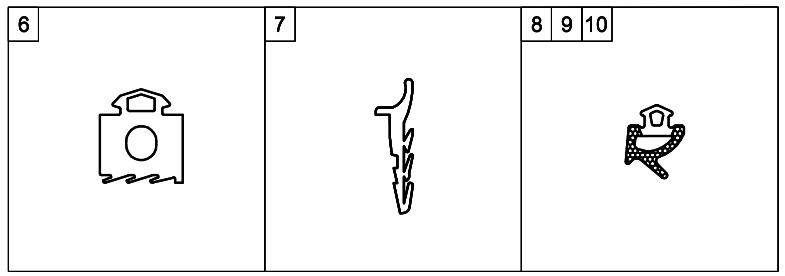
Pribor/Hardware /Аксессуаров

	opis/description/опицание	*II**	*III**	*kom/pc/шт*
A	podloška za staklo / glazing pad / коврик из стекла	30x75x5	50x75x5	2
B	ugaona spojnica / corner joint / угловое соединение	TMFA22 / TMFA23		8
C	spojnica u peru / thorn clip / суставы в перу	TMFA70		4
D	vijak / screw / винт	DIN 7982 2,9x9,5 (A2)		2-5
E	Sigurnosni oslonac stakla / Safety glazing support / *Поддержка безопасности остекления*	TMFA25		2



Zaptivke/Gaskets /Резина

	opis/description/опицание	*II**	*III**	*metara/meter/метр*
6	Zaptivka za staklo / glazing gasket / остекление прокладка	TMFG1		2x(A2-60)+2x(H2-60)
7	Zaptivka na štoku / casement gasket / прокладка на раме	TMDG3		2xA1+2xH1
8	Zaptivka na štoku / casement gasket / прокладка на раме	TMFG30		2x(A1-100)+(2xH1-100)
9	Zaptivka na krilu / casement gasket / прокладка на раме	TMFG30		2x(A2-20)+2x(H2-20)
10	Zaptivka na krilu / casement gasket / прокладка на раме	TMFG30		2xA2+2xH2



Profili/Profiles /Профили

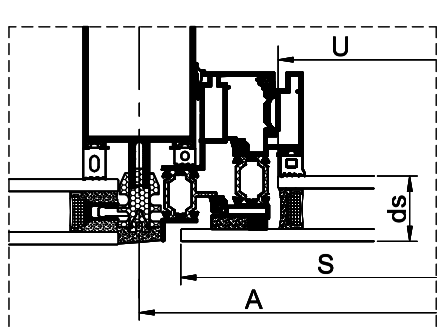
	*II**	*III**		*mm*	*kom*	*αa/αb*
	132	332	1	A1=A-22	x2	45°/45°
			2	H1=H-22	x2	45°/45°
	134	334	3	A2=A-71	x2	45°/45°
			4	H2=H-71	x2	45°/45°
	TM33		P1	L1=(A2/2)-76+2X	x2	90°/90°
			P2	L2=H2-LM*-230	x2	90°/90°
			P3	L3=LM*	x2	90°/90°

*II** - *Dvostruko stakolo / Double glazing / Двойное остекление*
*III** - *Trostruko stakolo / Triple glazing* / Тройной остекление
*LM** - *Dužina makaze / Top-hung arm lenght* / Длина ножницы

4060.05.55	LM = 16" (406mm)
4060.07.55	LM = 20" (508mm)
4060.08.55	LM = 24" (610mm)
4060.09.55	LM = 28" (711mm)

Staklo/Glass /Стекло

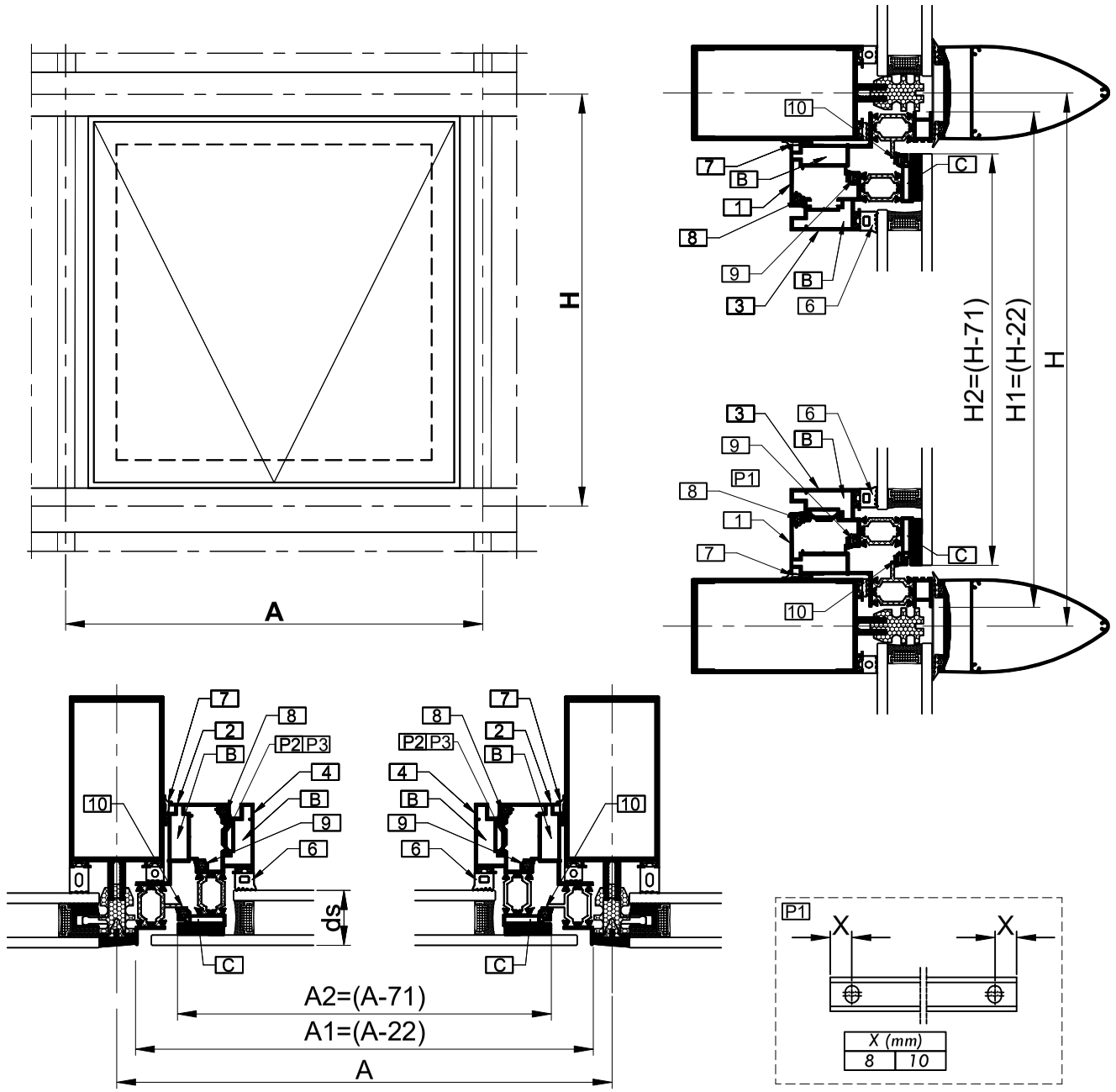
*II**	*III**
ds=32mm	*ds=52mm*
S = (A-39)x(H-39)	
U = (A-137)x(H-137)	
x1	



Garnitura okova/Fetter set /Оконные гарнитуры

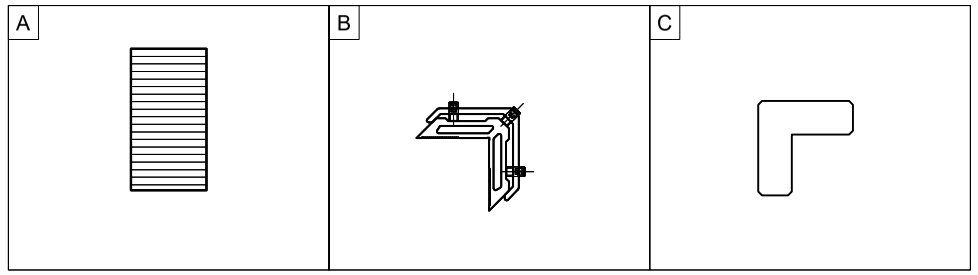
	opis/description/опицание					*II**	*III**	*kom/pc/шт*
11	Ručica sa priborom / Handle with accessories / Ручка с крепежным набором					1140.00		1
12	Ugaoni prenosnik / Corner trasmission / Угловои переходник					4010.20		2
13	Pribor za fasadne profile / Accesories for facade profiles / Аксессуары для фасадных профилей					4060.10		2
14	Pribor za fasadne profile / Accesories for facade profiles / Аксессуары для фасадных профилей					4060.04		1
15	Pribor za fasadne profile / Accesories for facade profiles / Аксессуары для фасадных профилей					4060.05.02		8 (10)
16	Gornji zabravljivač / Upper interlock / Верхняя блокировка					4060.45		1*
17	Pribor makaze / Scissors accessories / Аксессуары ножниц					4060.09.50R		1
18	Makaze / Top-hung arm / Ножницы	H (mm)	min	600	160 kg (max)	4060.05.55R		1
			max	1200				
		H (mm)	min	1200	160 kg (max)	4060.07.55R		1
			max	1600				
		H (mm)	min	1600	160 kg (max)	4060.08.55R		1
			max	1800				
		H (mm)	min	1800	160 kg (max)	4060.09.55R		1
			max	2000				

*Za širinu krila >1200mm - 2 kom. / For sash width >1200mm - 2 pc. / Для ширина створки >1200мм - 2 шт.



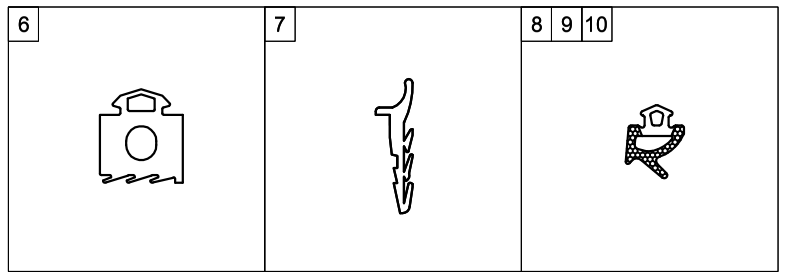
Pribor/Hardware /Аксессуаров

	opis/description/опицание	*II**	*III**	*kom/pc/шт*
A	podloška za staklo / glazing pad / коврик из стекла	30x75x5	50x75x5	2
B	ugaona spojnica / corner joint / угловое соединение	TMFA22 / TMFA23		8
C	spojnica u peru / thorn clip / суставы в перу	TMFA70		4
D	šraf / screw / винт	DIN 7982 2,9x9,5 (A2)		2-5
E	Sigurnosni oslonac stakla / Safety glazing support / *Поддержка безопасности остекления*	TMFA26		2



Gume/Gaskets /Резина

	opis/description/опицание	*II**	*III**	*metara/meter/метр*
6	guma za staklo / glazing gasket / остекление прокладка	TMFG1		2x(A2-60)+2x(H2-60)
7	guma na štoku / casement gasket / прокладка на раме	TMDG3		2xA1+2xH1
8	guma na štoku / casement gasket / прокладка на раме	TMFG30		2x(A1-100)+(2xH1-100)
9	guma na krilu / casement gasket / прокладка на раме	TMFG30		2x(A2-20)+2x(H2-20)
10	guma na krilu / casement gasket / прокладка на раме	TMFG30		2xA2+2xH2



Profili/Profiles /Профили

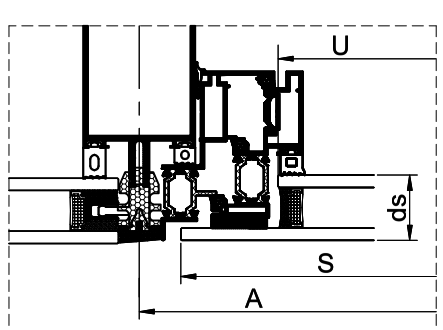
	*II**	*III**		*mm*	*kom*	αa/αb
	132	332	1	A1=A-22	x2	45°/45°
	133	333	2	H1=H-22	x2	45°/45°
	134	334	3	A2=A-71	x2	45°/45°
			4	H2=H-71	x2	45°/45°
	TM33		P1	L1=(A2/2)-76+2X	x2	90°/90°
			P2	L2=H2-LM*-230	x2	90°/90°
			P3	L3=LM*	x2	90°/90°

*II** - *Dvostruko stakolo / Double glazing / Двойное остекление*
*III** - *Trostruko stakolo / Triple glazing* / Тройной остекление
*LM** - *Dužina makaze / Top-hung arm lenght* / Длина ножницы

4060.05.55	LM = 16" (406mm)
4060.07.55	LM = 20" (508mm)
4060.08.55	LM = 24" (610mm)
4060.09.55	LM = 28" (711mm)

Staklo/Glass /Стекло

*II**	*III**
ds=32mm	*ds=52mm*
S = (A-39)x(H-39)	
U = (A-137)x(H-137)	
x1	



Garnitura okova/Fetter set /Оконные гарнитури

	opis/description/опицание					*II**	*III**	*kom/pc/шт*
11	Ručica sa priborom / Handle with accessories / Ручка с крепежным набором					1140.00		1
12	Ugaoni prenosnik / Corner trasmission / Угловои переходник					4010.20		2
13	Pribor za fasadne profile / Accesories for facade profiles / Аксессуары для фасадных профилей					4060.10		2
14	Pribor za fasadne profile / Accesories for facade profiles / Аксессуары для фасадных профилей					4060.04		1
15	Pribor za fasadne profile / Accesories for facade profiles / Аксессуары для фасадных профилей					4060.05.02		8 (10)
16	Gornji zabravljivač / Upper interlock / Верхняя блокировка					4060.45		1*
17	Pribor makaze / Scissors accessories / Аксессуары ножниц					4060.09.50R		1
18	Makaze / Top-hung arm / Ножницы	H (mm)	min	600	160 kg (max)	4060.05.55R		1
			max	1200				
		H (mm)	min	1200	160 kg (max)	4060.07.55R		1
			max	1600				
		H (mm)	min	1600	160 kg (max)	4060.08.55R		1
			max	1800				
		H (mm)	min	1800	160 kg (max)	4060.09.55R		1
			max	2000				

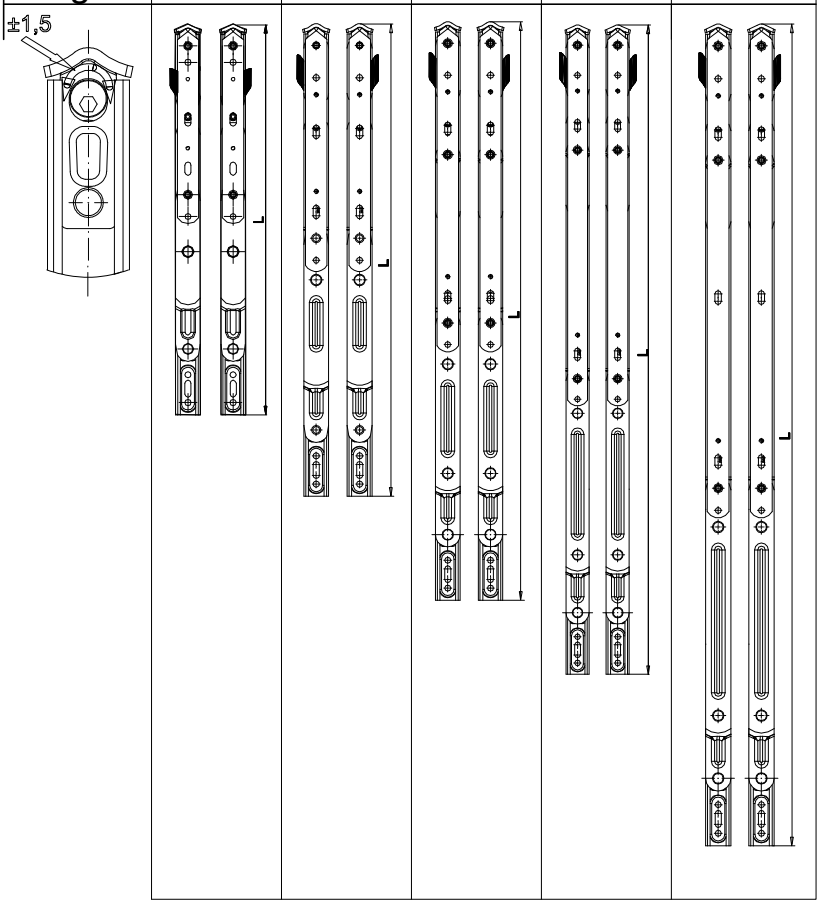
*Za širinu krila >1200mm - 2 kom. / For sash width >1200mm - 2 pc. / Для ширина створки >1200мм - 2 шт.

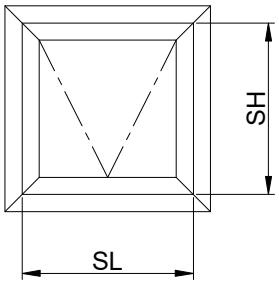
Okov
Fitting
Фурнитура

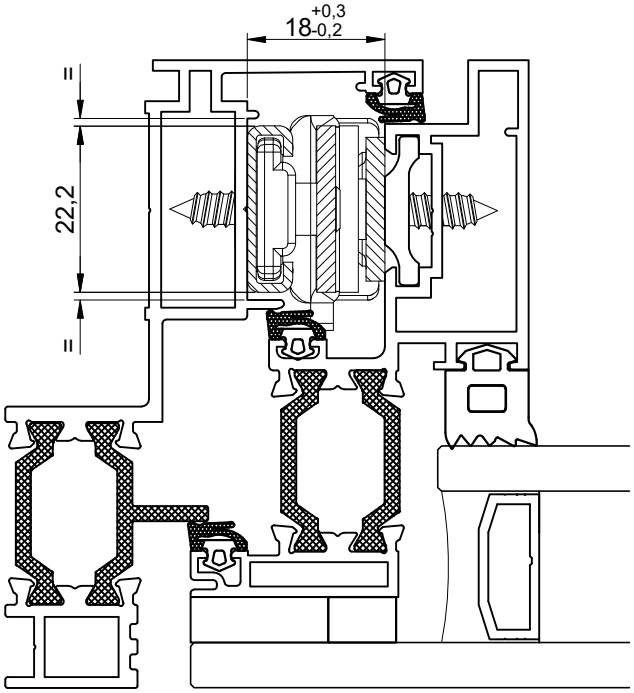
ALUMINIK CS55

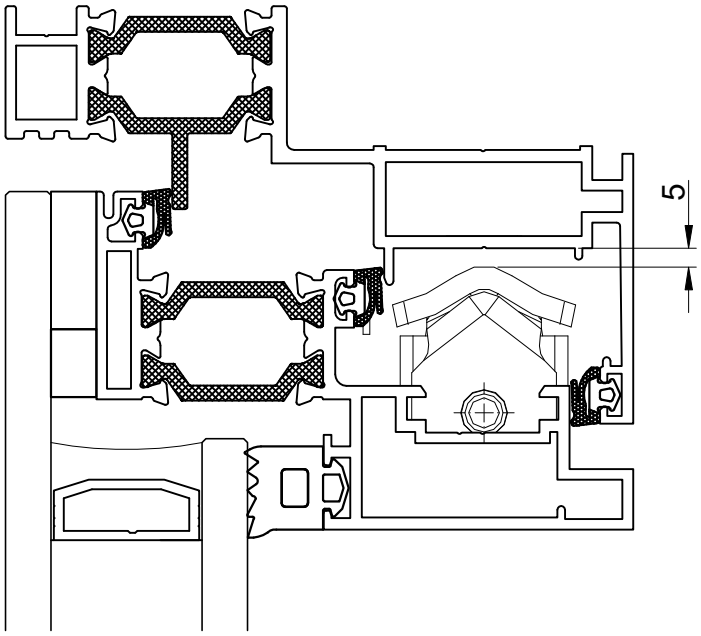
Makaze za fasadne profile - leva i desna
Scissors for the facade profiles - left and right
Ножницы для фасадных профилей - левые и правые.

	4060.14.55R	4060.05.55R	4060.07.55R	4060.08.55R	4060.09.55R
SH [mm] min	400	600	1200	1600	1800
SH [mm] max		1200	1600	1800	2000
α [°]	25° 30° 35°	25° 30°	20° 25°	15° 20°	15° 20°
kg	Tabela 3	Tabela 3	Tabela 3	Tabela 3	Tabela 3



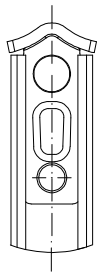


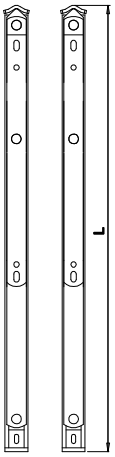


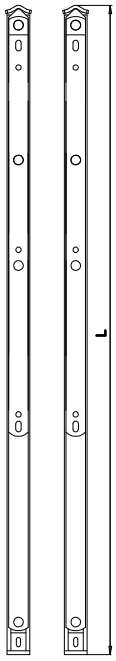


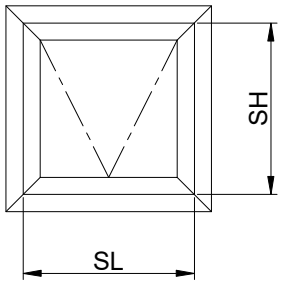
Makaze za fasadne profile - leva i desna
Scissors for the facade profiles - left and right
Ножницы для фасадных профилей - левые и правые.

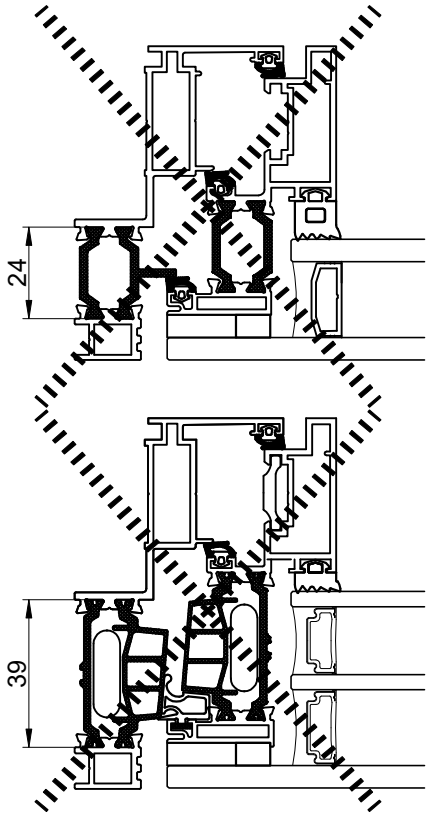
		FH 16	FH 24
L		16"	24"
SH [mm]	min	600	1000
	max	1200	1600
[kg] max		120	140
α [°]		15° 20°	15° 20°

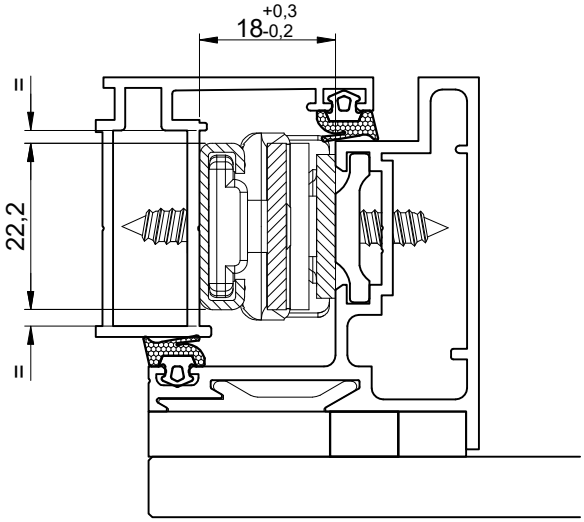


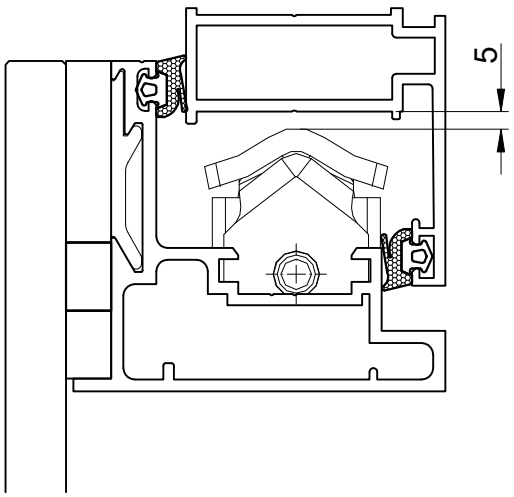






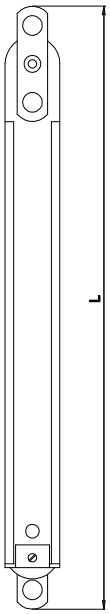


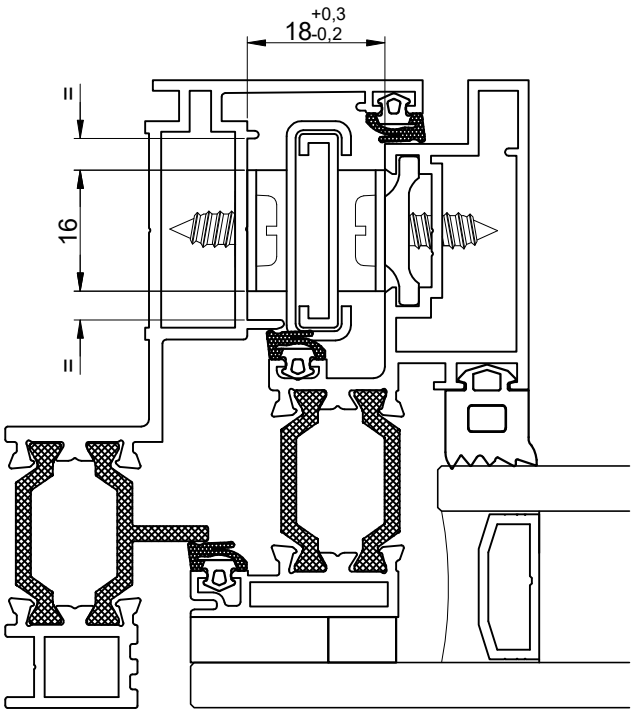


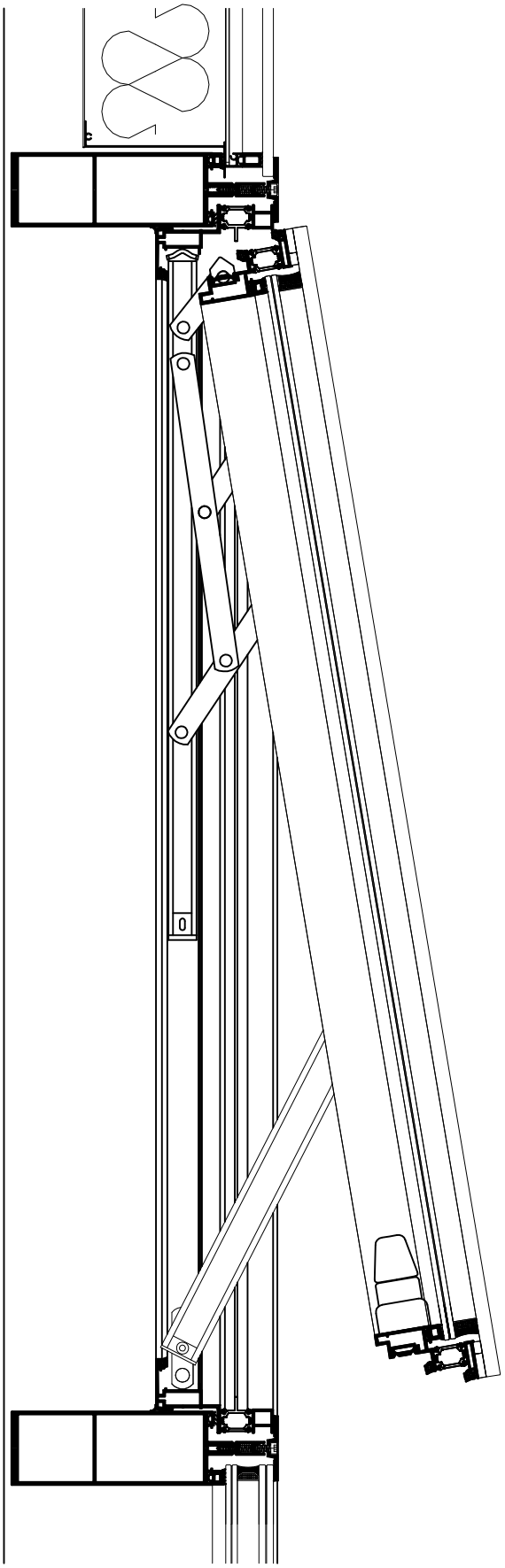


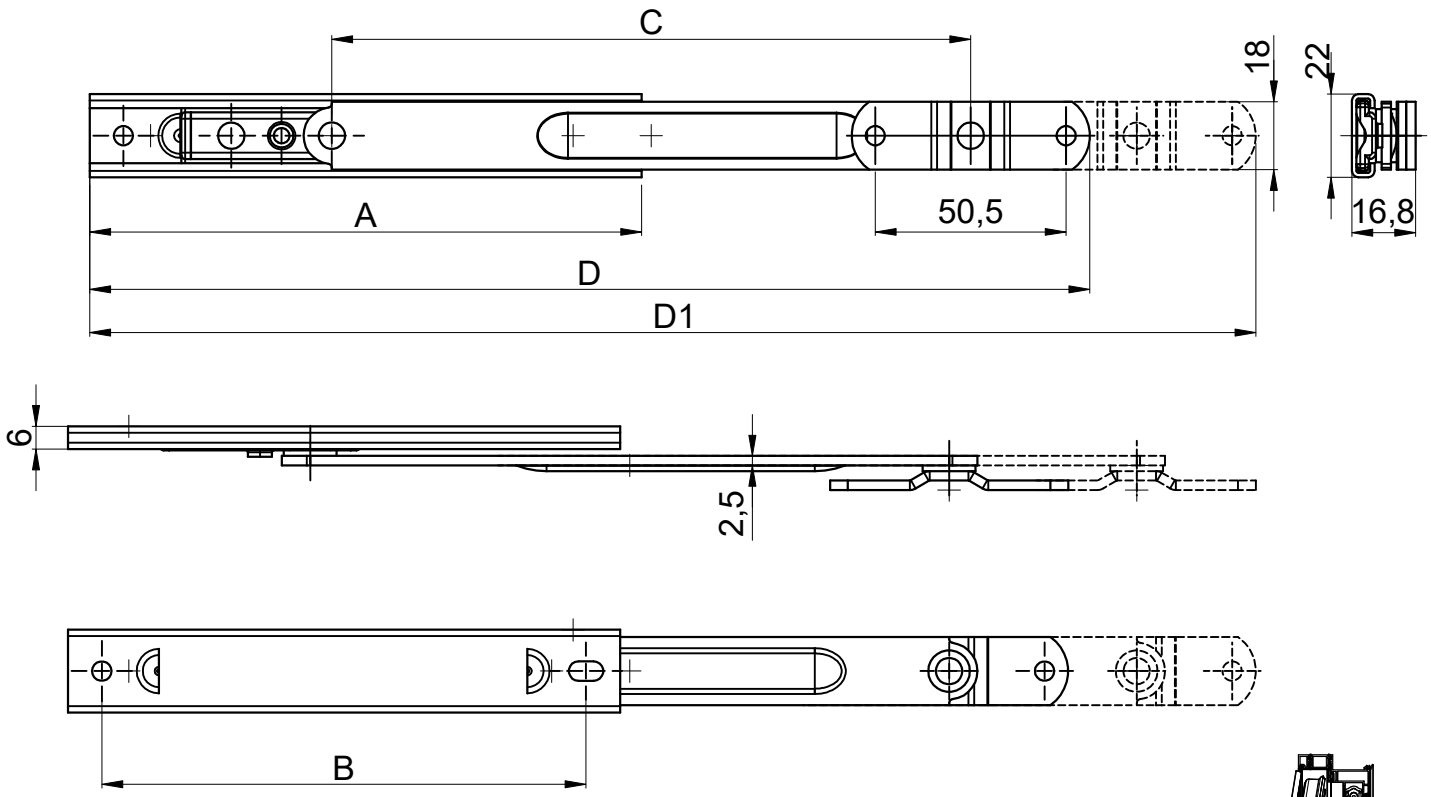
Makaze za fasadne profile - leva i desna
Scissors for the facade profiles - left and right
Ножницы для фасадных профилей - левые и правые.

		FHS 10	
L		**319 mm**	
SH [mm]	min	1200	
	max	1800	
[kg] max		180	
α [°]		15°	30°

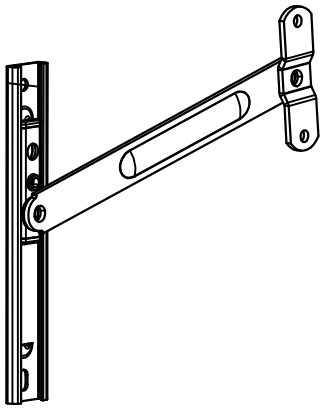


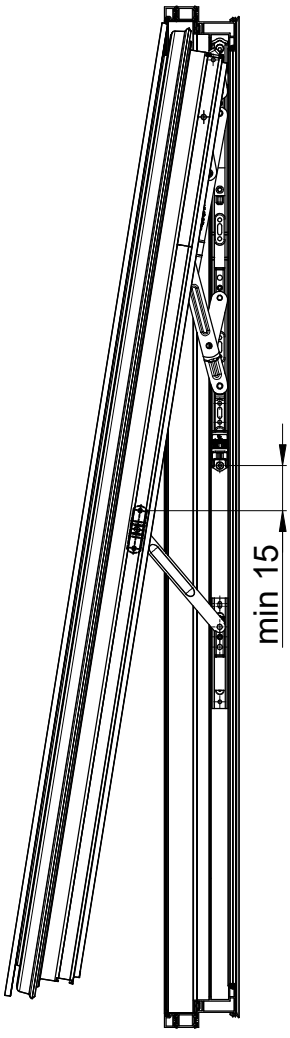




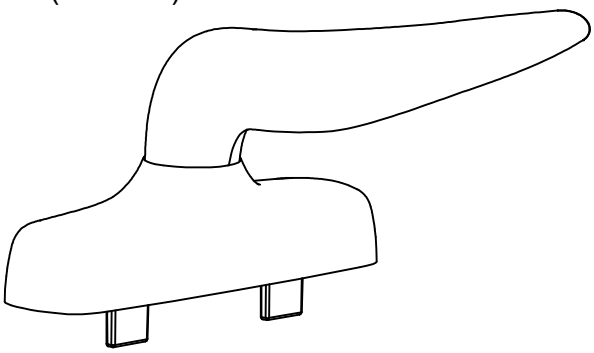


Artikal	A (mm)	B (mm)	C (mm)	D (mm)	D1 (mm)
2116.00	205	185.5	145	241	342.5
2117.00	254	242	169	265	423
2118.00	146	128	169	265	308.5

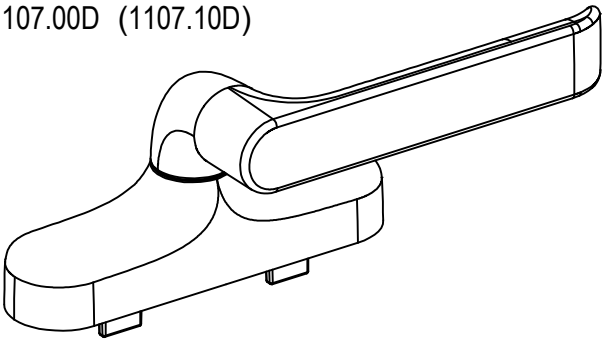




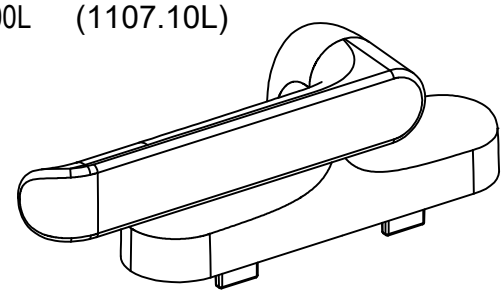
1140.00 (1140.10)

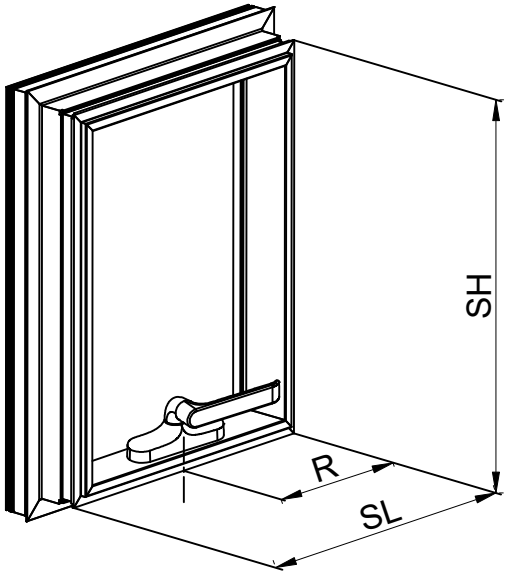


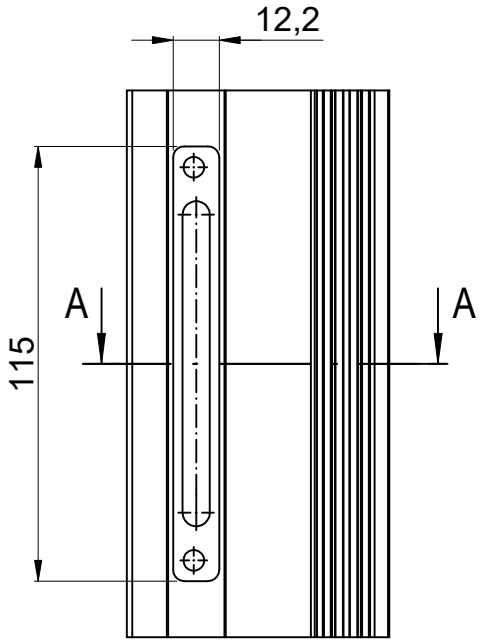
1107.00D (1107.10D)



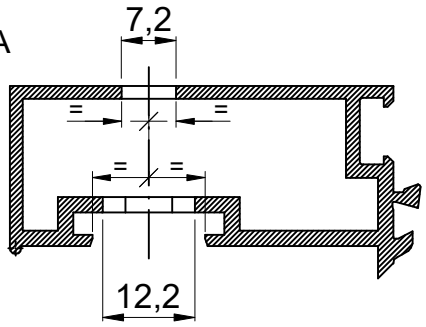
1107.00L (1107.10L)

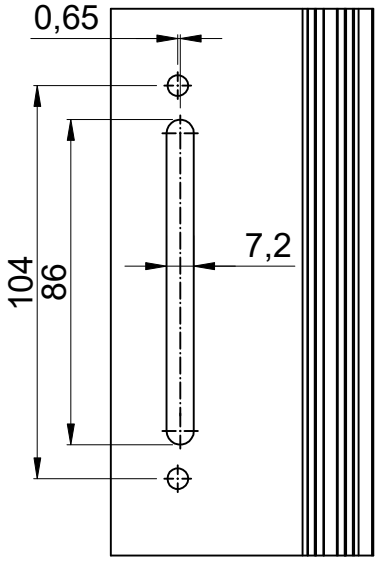




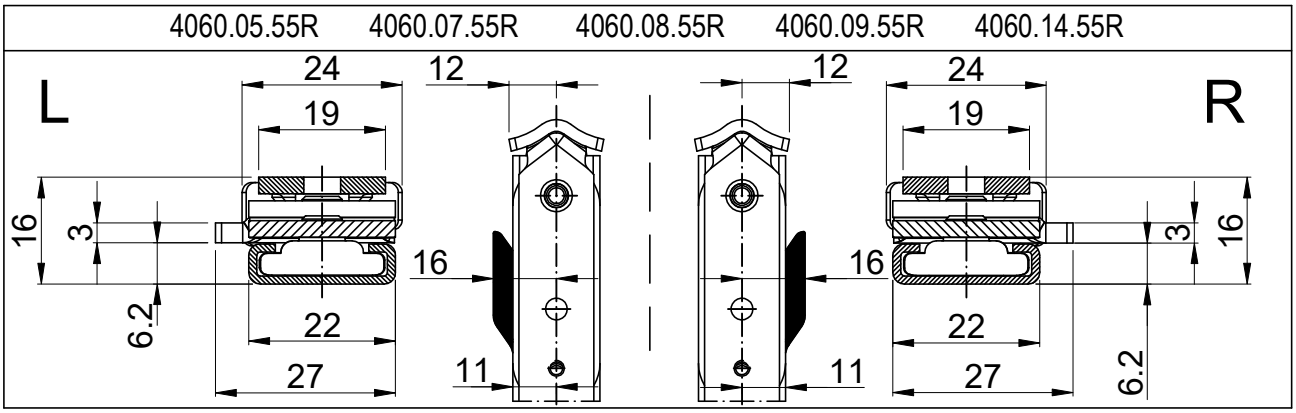


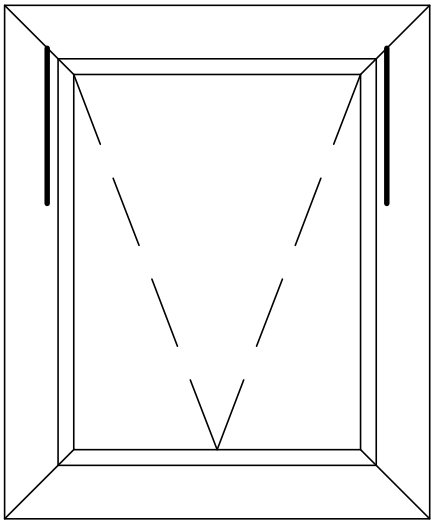
Presek A-A
Section A-A
Сечение A-A

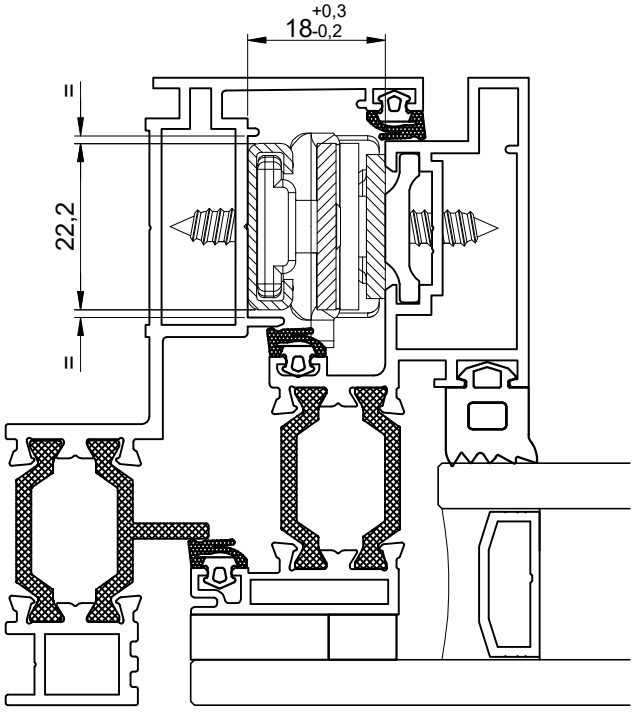


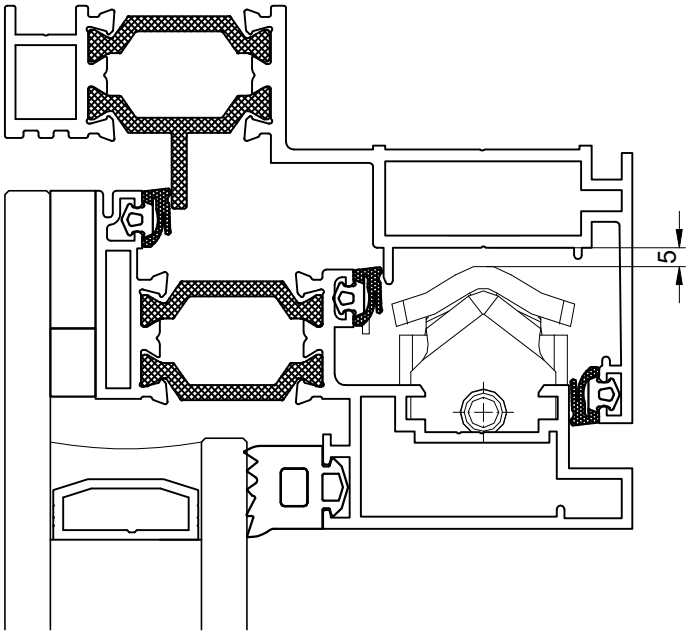


1. Poprečni preseci i dimenzije makaza za fasadne profile
Cross sections and dimensions of scissors for facade profiles
Поперечные сечения и размеры фасадного профилей



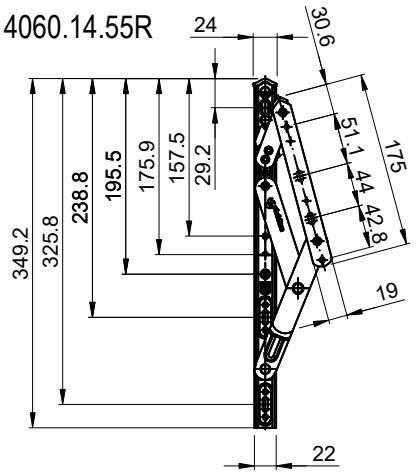




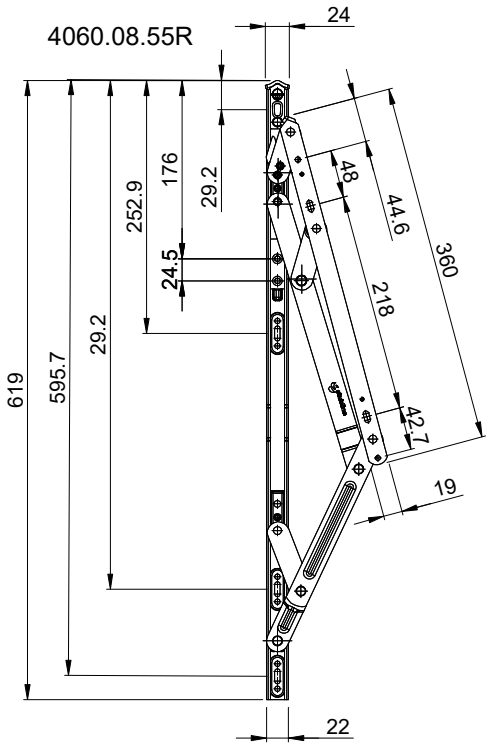


2. Položaji otvora

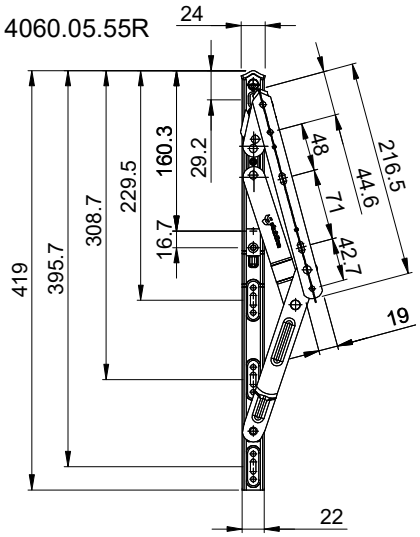
4060.14.55R



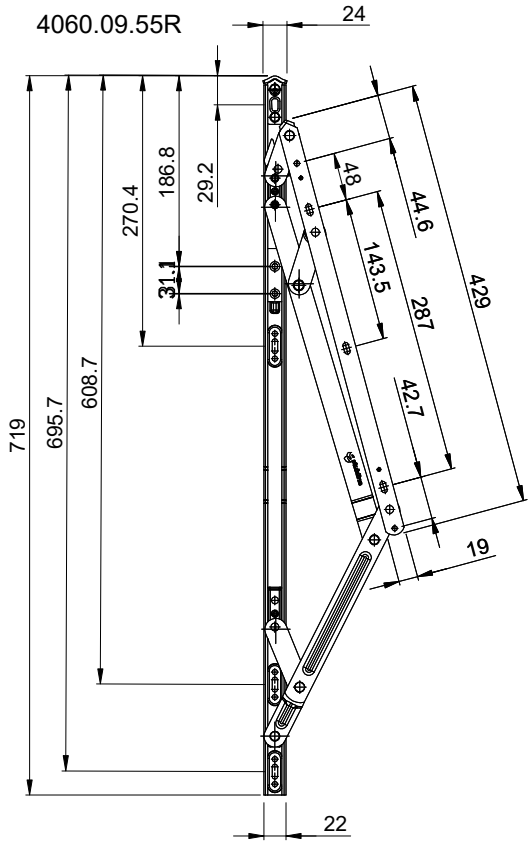
4060.08.55R



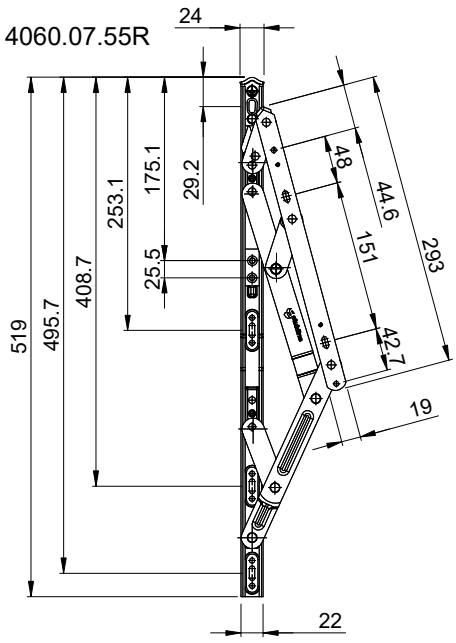
4060.05.55R



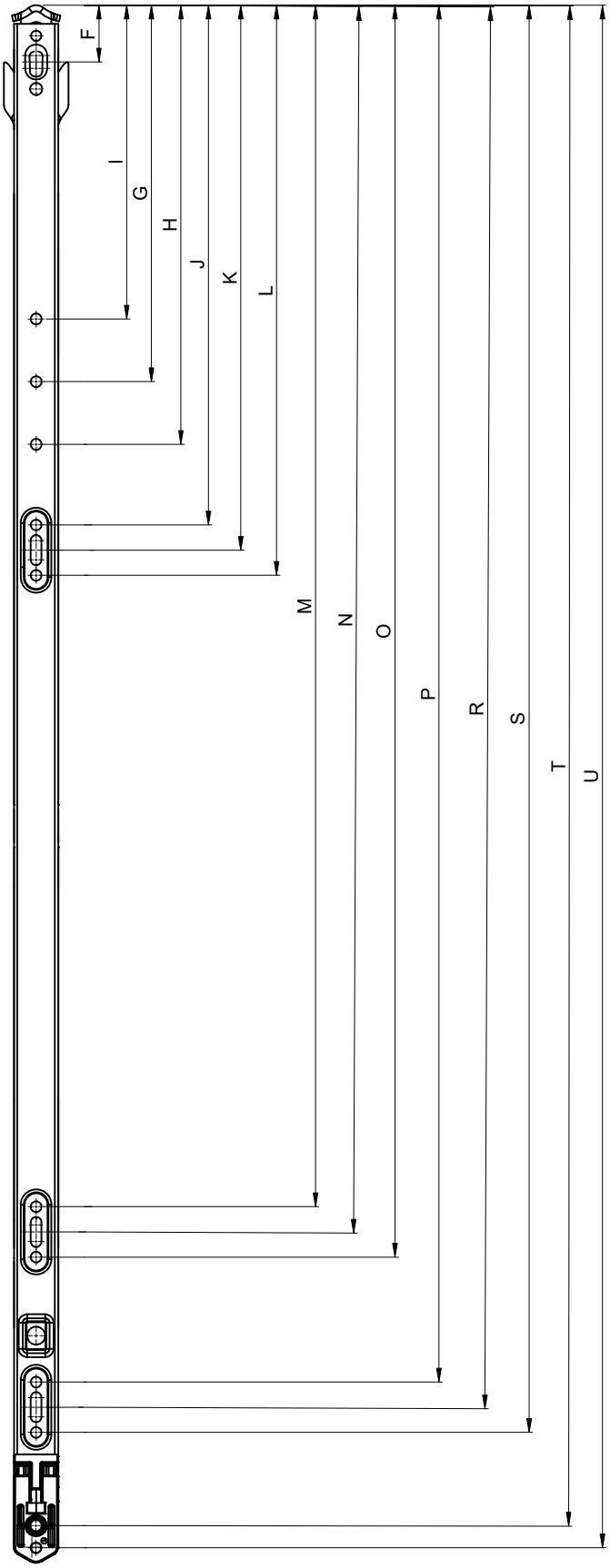
4060.09.55R



4060.07.55R



2. Položaji otvora (tabela 1) /Positions of holes (table 1)/ Позиции отверстий (таблица 1)



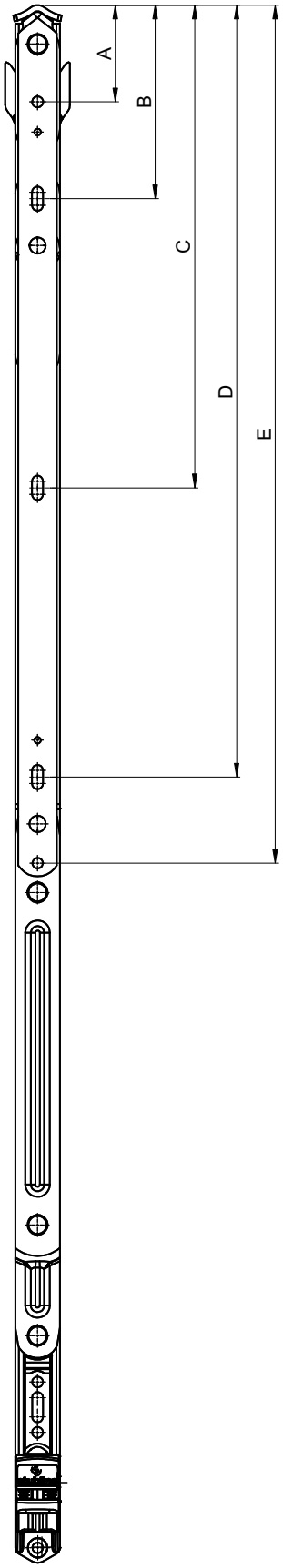


Tabela 1 /Table 1/Таблица 1

Položaji otvora na makazama za vezu sa štokom i krilom fasadnog prozora
Positions of holes on scissors for connecting with the frame and sash of a facade window
Позиции отверстий на ножницах для связи с рамой и створкой фасадного окна

	4060.14.55R	4060.05.55R	4060.07.55R	4060.08.55R	4060.09.55R
SH [mm] min	400	600	1200	1600	1800
SH [mm] max		1200	1600	1800	2000
kg	Tabela 3	Tabela 3	Tabela 3	Tabela 3	Tabela 3
α	25° 30° 35°	25° 30°	20° 25°	15° 20°	15° 20°
A	34	48	48	48	48
B	85	96	96	96	96
C	/	/	/	/	239.5
D	129	167	247	314	383
E	171.8	209.8	289.8	356.8	425.8
F	28.2	28.2	28.2	28.2	28.2
G	176	160.3	175.1	176	186.8
H	195.5	177	200.6	200.4	217.9
I	157.5	/	/	/	/
J	/	217	240.6	240.4	257.9
K	/	229.5	253.1	252.9	270.4
L	/	242	265.6	265.4	282.9
M	226.3	296.3	396.3	496.3	596.3
N	238.8	308.8	408.8	508.3	608.3
O	251.3	321.3	421.3	521.3	621.3
P	313.3	383.3	483.3	583.3	683.3
R	235.8	395.8	495.8	595.8	695.8
S	338.3	408.3	508.3	608.3	708.3
T	384.5	454.5	554.3	654.5	754.5
U	395.5	465.5	565.3	665.5	765.5

3. Izbor veličine makaze za fasadne profile
Selection of the size of scissors for facade profiles
Выбор размера ножниц для фасадных профилей

Na osnovu visine krila **(SH)** fasadnog prozora potrebno je izabrati veličinu makaze **(tabela 2)**. U tabeli su date minimalne i maksimalne vrednosti visine **(SH)** i širine **(SL)** krila prozora, preporučena masa krila prozora **(mk)** i ugao otvaranja prozora **(α)** koje makaze dozvoljavaju.

Based on the height of the sash **(SH)** of the facade window, it is necessary to select the size of scissors
(table 2). The table provides minimum and maximum values for the height **(SH)** and width **(SL)** of the window sash, recommended weight of the window sash **(mk)**, and the window opening angle **(α)** that the scissors allow.

Исходя из высоты створки **(SH)** фасадного окна, необходимо подобрать размер ножницы **(таблица 2)**.
В таблице есть минимальные и максимальные значения высоты **(SH)** и ширины **(SL)** оконной створки, рекомендуемый вес оконной створки **(mk)** и угол открывания окна **(α)**, которые позволяют ножницы.

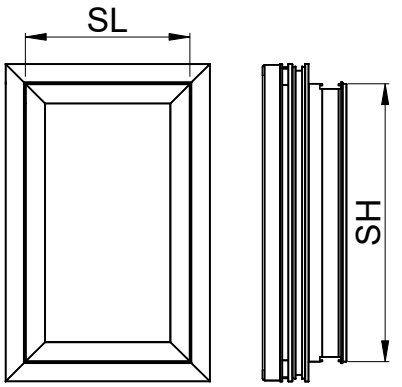


Tabela 2 /Table 2/Таблица 2

	4060.14.55R	4060.05.55R	4060.07.55R	4060.08.55R	4060.09.55R
SH [mm] min	400	600	1200	1600	1800
SH [mm] max	600	1200	1600	1800	2000
SL max [mm]	2500				
mk [kg]	Tabela 3	Tabela 3	Tabela 3	Tabela 3	Tabela 3
α [°]	Tabela 3	Tabela 3	Tabela 3	Tabela 3	Tabela 3

4. Izbor načina vezivanja makaze za fasadne profile sa krilom prozora
Selection of the method of connecting scissors to facade profiles with window sash
Выбор способа связи ножниц фасадного профилей со створкой окна

Prema ukupnoj masi krila prozora i debljini zida profila krila fasadnog prozora δ (videti **crtež 1, presek B-B)** na mestu gde se makaze vezuju za krilo prozora izabrati tip zavrtanjske veze **(tabela 3)**. U **tabeli 3** prema tipu zavrtanjske veze data je preporučena (mk*) i maksimalna masa krila prozora kao i preporučeni prečnici otvora **ØX** koje je potrebno izbušiti na krilu prozora.

Based on the total weight of the window wing and the thickness of the wall of the window wing profile δ
(see drawing 1, section B-B), choose the type of screw connection where the scissors connect to the window wing **(table 2)**. Table 3 provides recommended (mk*) and maximum weight of the window wing for each type of screw connection, as well as the recommended hole diameter **ØX** that needs to be drilled in the wing of the window.

Исходя из общей массы створки окна и толщины стены профиля створки фасадного окна δ **(чертеж 1, сечение B-B)**, в месте, где ножницы связываются со створкой окна, выбрать тип винтового соединения **(таблица 2)**. В таблице 3 по типу винтового соединения указана рекомендуемая масса створки окна (mk*) и максимальная масса створки, а также рекомендуемый диаметр отверстия **ØX**, которое нужно сверлить на створке окна.

T a b e l a 3 (preporuka za otvor X i nosivost)
Table 3 (recommended hole X)
Таблица 3 (рекомендации по отверстию X)

Masa krila prozora /Weight of the window sash/ Вес створки окна											
	4060.14.55R			4060.05.55R		4060.07.55R		4060.08.55R		4060.09.55R	
α [°]	25°	30°	35°	25°	30°	20°	25°	15°	20°	15°	20°
mk* [kg]	65	45	35	130	125	130	125	130	125	130	125
mk max [kg]	80			130		130		130		130	

mk* - Preporuka proizvođača / Manufacturer's recommendation
Рекомендация производителя

Tip zavrtanjske veze Type of screw connection Тип винтового соединения	Preporučeni prečnik otvora **ØX** Recommended opening diameter ØX/ Рекомендуемый диаметр отверстия ØX
4.8x19 DIN 7981  4.8x19 DIN 7982 	Ø4.2

5. Bušenje otvora na krilu fasadnog prozora
Drilling holes in the wing of the facade window/
Сверление отверстий на створке фасадного окна

Otvore na krilu fasadnog prozora izbušiti na oba vertikalna profila u gornjoj zoni krila prozora prema položajima datih na crtežu 1 (pogled ¨A¨ i pogled ¨B¨). Raspored otvora dat je u tabeli 4. Oznaka P (*crtež 2*) označava veličinu žljeba koji je potrebno dobiti u gornjoj zoni između krila i štoka fasadnog prozora. Posle bušenja otvora ukoliko je izabrana zavrtanjska veza sa rif nitnama, nitne postaviti u otvore i pričvrstiti ih. Ukoliko je debljina zida profila $\delta \geq 5$ u izbušene otvore urezati navoj M5.

Drill holes in the sash of the facade window on both vertical profiles in the upper zone of the window sash according to the positions shown in drawing 1 (view "A" and view "B"). The arrangement of the holes is given in table 4. Mark P (drawing 2) indicates the size of the groove that needs to be obtained in the upper zone between the wing and the frame of the facade window. After drilling the holes, if a screw connection with rivet nuts is chosen, insert the rivet nuts into the holes and fasten them. If the wall thickness of the wing profile $\delta \geq 5$, cut M5 thread into the drilled holes.

Отверстия на вертикальных профилях на верхней части створки фасадного окна нужно просверлить согласно позициям, указанным на чертеже 1 (вид "A" и вид "B"). Расположение отверстий приведено в таблице 4. Обозначение "P" (чертеж 2) показывает размер паза, который нужно получить в верхней зоне между створкой и рама фасадного окна. После сверления отверстий, если выбраны соединительные крепления с штифтами, штифты нужно вставить в отверстия и закрепить их.
Если толщина стенки профиля ≥ 5, в сверленые отверстия нужно нарезать резьбу M5.

Crtež 1
Drawing 1
Чертеж 1

Položaji podešavajućih otvora
Positions of adjustment holes
Позиции регулировочных отверстий

Pogled "A"
View "A"
Вид "A"

Pogled "B"
View "B"
Вид "B"

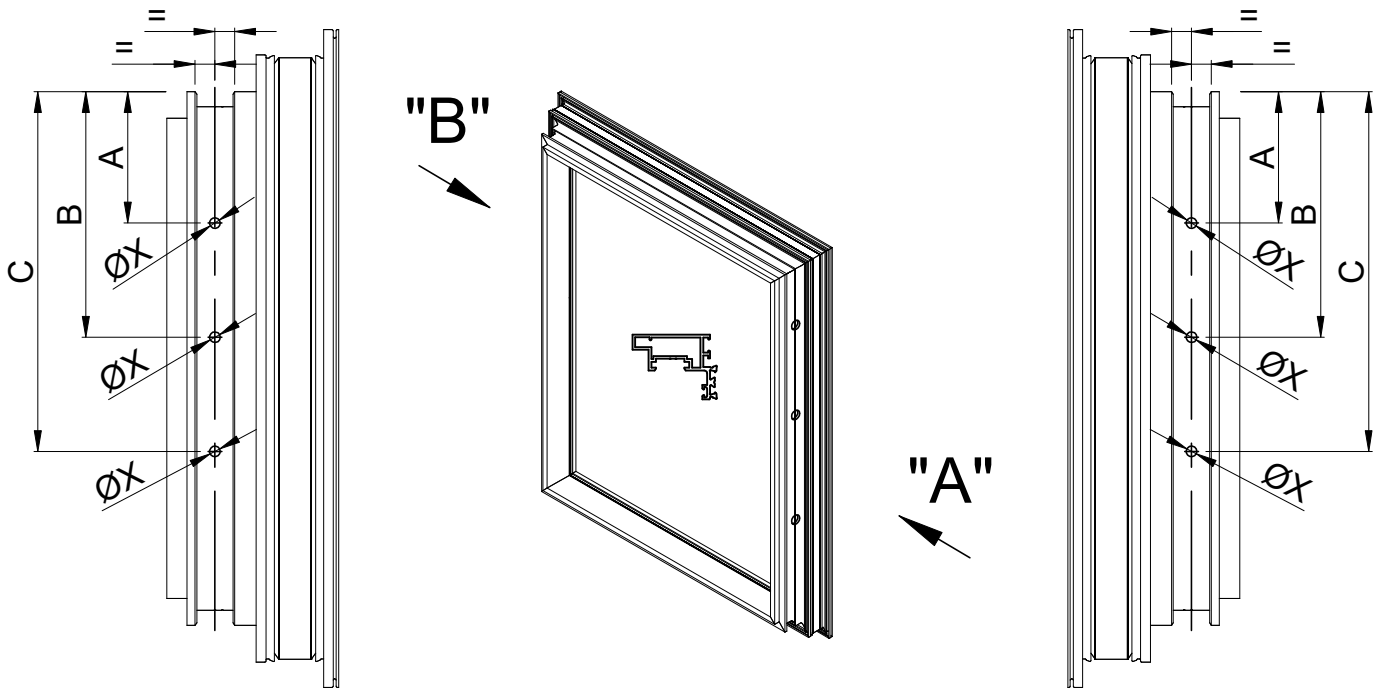


Tabela 4 /Table 4/Таблица 4					
Bušenje otvora na krilu fasadnog prozora /Drilling holes in the sash of the facade window/ Сверление отверстий на створке фасадного окна					
	4060.14.55R	4060.05.55R	4060.07.55R	4060.08.55R	4060.09.55R
A	72	83			
B	-	-	-	-	226,5
C	116	153,5	233,5	300,5	369,5

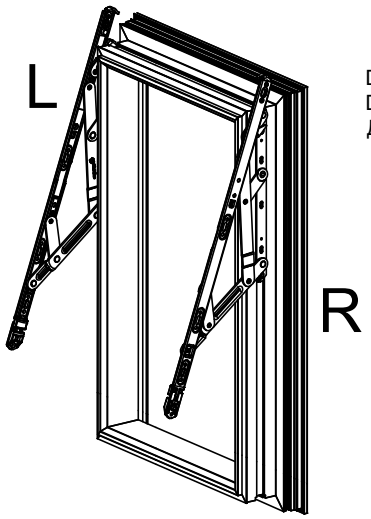
6. Postavljanje makaza na krilo prozora
Placing scissors on the window wing
Установка ножниц на створку окна

Pošto na krilu prozora postoji žljeb na mestu gde se makaza vezuje za krilo prozora potrebno je u navedeni žljeb ubaciti profil TM33 dužine 200mm koji će služiti kao podmetač. Obratiti pažnju da makaza sa oznakom ¨L¨ bude postavljena sa leve strane, a makaza sa oznakom ¨R¨ bude postavljena sa desne strane krila prozora (Skica 4). Kroz profilisane otvore (skica 5) makaze za fasadne profile pričvrstiti za krilo prozora.

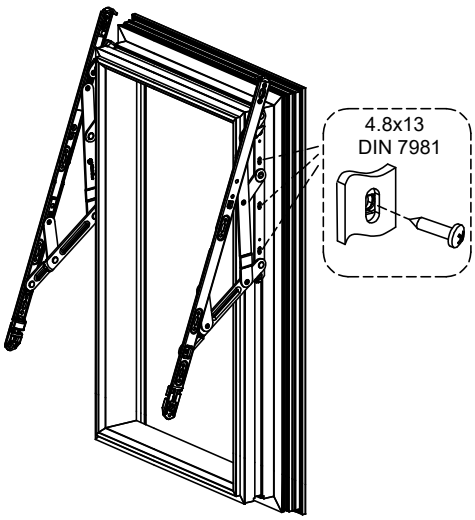
Since there is a groove on the window sash where the scissors connect to the window sash, it is necessary to insert a 200mm long TM33 profile into the specified groove, which will serve as a washer. Make sure that the scissors marked "L" are placed on the left side, and the scissors marked "R" are placed on the right side of the window sash (Sketch 4). Fasten the scissors for facade profiles to the window sash through the profiled openings (sketch 5).

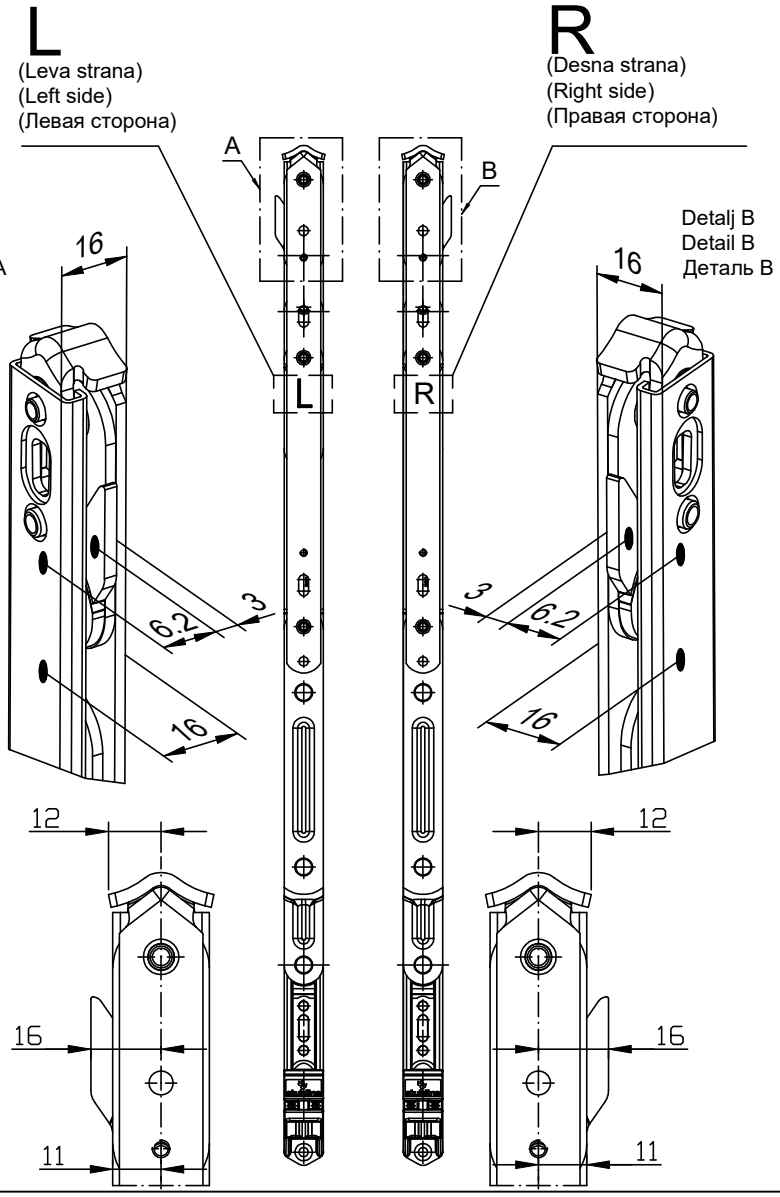
Так как на оконной створке имеется паз, где ножницы соединяются с оконной створкой, в указанный паз необходимо вставить профиль TM33 длиной 200мм, который будет выполнять роль шайбы. Обратить внимание, что ножницы с маркировкой "L" должен быть установлен с левой стороны, а ножницы с маркировкой "R" - с правой стороны створки окна (эскиз 4). Через профилированные отверстия (эскиз 5) ножницы для фасадных профилей крепятся к створке окна.

Skica 4
Sketch 4
Эскиз 4



Skica 5
Sketch 5
Эскиз 5





7. Bušenje otvora na štoku fasadnog prozora
Drilling holes in the frame of the facade window
Сверление отверстия в фасадной оконной раме:

Prema debljini zida profila štoka fasadnog prozora δ na mestu gde se makaze vezuju za štok prozora (videti crtež 4, presek C-C) izabrati tip zavrtanjske veze (tabela 3). U tabeli 3 prema tipu zavrtanjske veze dati su preporučeni prečnici otvora ØX koje je potrebno izbušiti na štoku prozora. Otvore na štoku fasadnog prozora izbušiti na oba vertikalnina profila u gornjoj zoni štoka prozora prema položajima datih na crtežu 4 (pogled ¨A¨ i pogled ¨B¨). Raspored otvora dat je u tabeli 5. Posle bušenja otvora ukoliko je izabrana zavrtanjska veza sa rif nitnama, nitne postaviti u otvore i pričvrstiti ih. Ukoliko je debljina zida profila δ≥5 u izbušene otvore urezati navoj M5.

Based on the thickness of the wall of the facade window frame profile δ, choose the type of screw connection at the point where the scissors connect to the frame of the window (see drawing 4, section C-C). Table 3 provides the recommended hole diameters ØX for each type of screw connection. Drill holes in the frame of the facade window on both vertical profiles in the upper zone of the window frame according to the positions shown in drawing 4 (View "A" and View "B"). The arrangement of the holes is given in table 5. After drilling the holes, if a screw connection with rivet nuts is chosen, insert the rivet nuts into the holes and fasten them. If the wall thickness of the frame profile δ≥5, cut M5 thread into the drilled holes.

В зависимости от толщины стенки профиля рамы фасадного окна (δ) на месте крепления ножниц к раме окна (чертеж 4, сечение C-C), выбрать тип крепления на винтах (таблица 3). В таблице 3 для каждого типа крепления на винтах указаны рекомендуемые диаметры отверстий ØX, которые необходимо просверлить на раме окна. Отверстия на раме фасадного окна просверлить на обоих вертикальных профилях в верхней зоне рамы окна согласно позициям на чертеже 4 (вид "A" и вид "B"). Расположение отверстий приведено в таблице 5. После сверления отверстий, если выбрано крепление на винтах с рифленой поверхностью, закрепить рифленые вставки в отверстиях. Если толщина стенки профиля δ ≥ 5, вырезать резьбу M5 в просверленные отверстия.

Crtež 4
Drawing 4
Чертеж 4



Preporuka za bušenje otvora ØY /Recommendation for drilling hole ØY/ Рекомендуемый диаметр сверла для отверстия ØY	
Preporučeni prečnik otvora **ØY** /Recommendation for hole ØY/ Рекомендуемый диаметр отверстия ØY	Tip zavrtanjske veze /Type of screw connection/ Тип винтового соединения
Ø4.2	4.8x13 DIN 7982 
Ø4.2	4,8x13 DIN 7981 

Tabela 5 /Table 5/ Таблица 5

Bušenje otvora na štoku fasadnog prozora /Drilling holes in the frame of the facade window/ Сверление отверстия в фасадной оконной раме

	4060.14.55R			4060.05.55R		4060.07.55R		4060.08.55R		4060.09.55R	
HS [mm] min	400			600		1200		1600		1800	
HS [mm] max	600			1200		1600		1800		2000	
kg [max]	Tabela 3			Tabela 3		Tabela 3		Tabela 3		Tabela 3	
α	25°	30°	35°	25°	30°	20°	25°	15°	20°	15°	20°
D	33			33		33		33		33	
E	-			235		258		258		275	
F	243			314		414		514		614	
G	330			401		501		601		701	

Otvori za 4060.04.00 Mehanizam za podešavanje po visini /Opening for height adjustment of 4060.04.00 Mechanism/ Отверстия для механизма регулировки по высоте 4060.04.00

H	389	459	559	659	759
I	400	470	570	670	770

Otvori za ugao otvaranja krila prozora α /Openings for the opening angle of the window sash α/ Отверстия для угла открывания оконной створки α

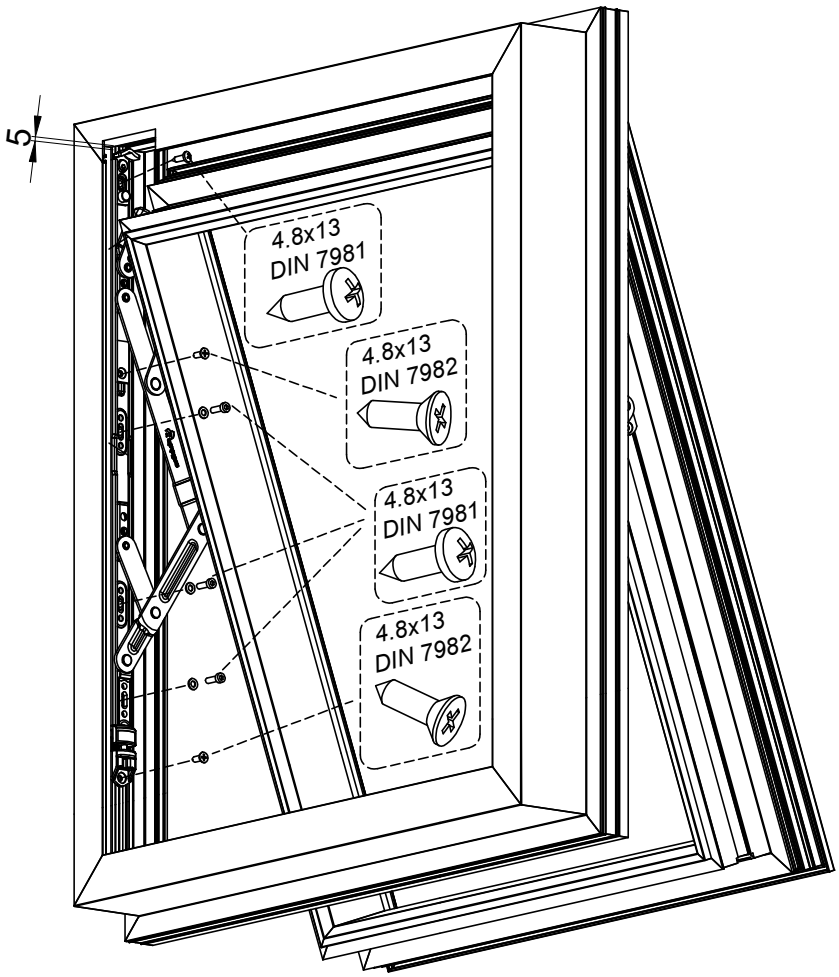
K1			200		182		206		205		223
K2		180		165		180		181		192	
K3	162										

8. Postavljanje krila na štok prozora /Placing the window sash on the window frame/ Установка створки на раму окна:

Krilo prozora sa prethodno ugrađenim makazama postaviti u štok prozora. Pričvrstiti makaze za fasadne profile za štok prozora odgovarajućim zavrtnjevima. Obe makaze pričvrstiti na isti način.

Place the window sash with previously installed scissors into the window frame. Secure the scissors to the facade profiles for the window frame with appropriate screws. Attach both scissors in the same way.

Установить створку окна с предварительно установленными ножницами на раму окна. Закрепить ножницы для фасадных профилей на раме окна соответствующими винтами. Закрепить обе ножницы одинаковым способом.



9. Podešavanje krila prozora po visini i osiguravanje položaja /Adjusting the window sash height and securing its position/ Регулировка положения створки окна по высоте и фиксация положения:

Ukoliko je potrebno krilo fasadnog prozora se može podešavati po visini u odnosu na štok prozora za ±3,5 mm (označeno sa **A**).

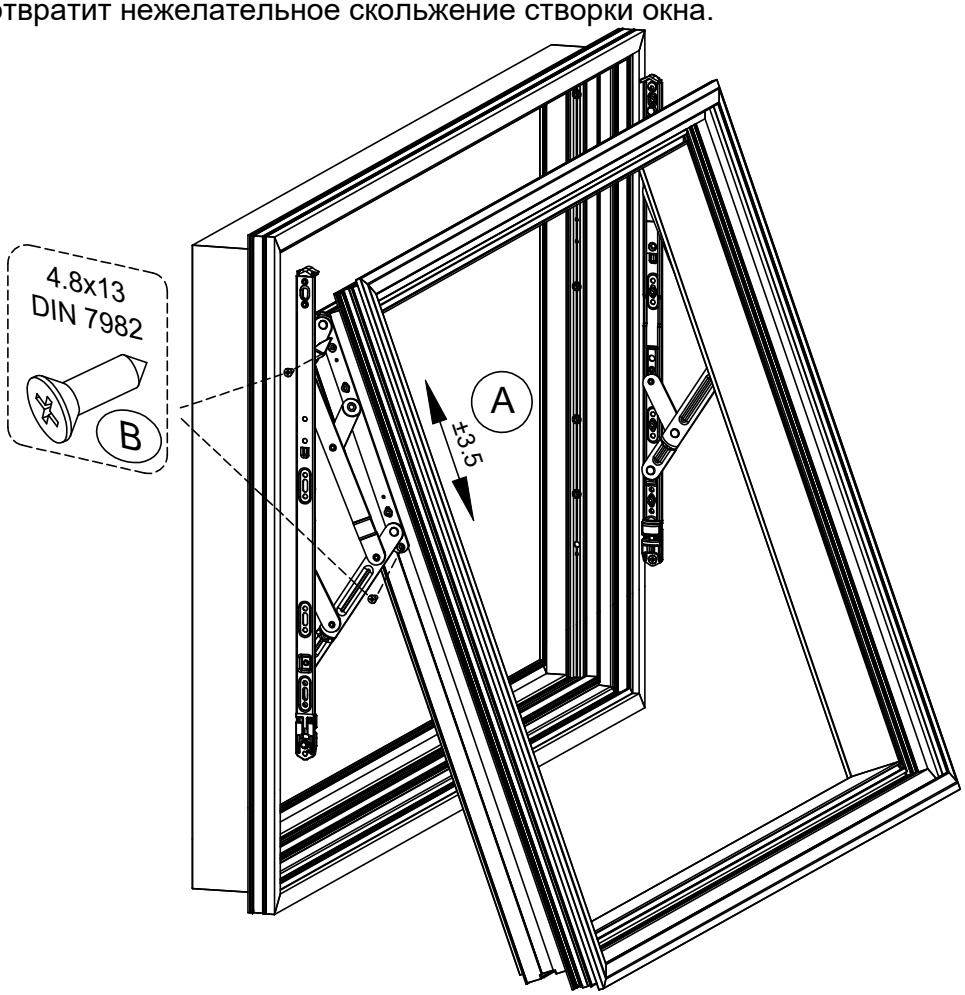
Postupak podešavanja: Otpustiti zavrtnjeve koji su u prethodnim koracima montaže zavijeni, potom krilo prozora podignuti na željenu meru pa pričvrstiti otpuštene zavrtnjeve. Ukoliko je potrebno postupak ponoviti više puta dok se krilo ne dovede u potreban položaj. Kada se krilo postavi u potreban položaj sa zavrtnjevima (označeno sa **B**) osugurati položaj.
Na ovaj način se sprečava neželjeno klizanje krila prozora.

If necessary, the facade window sash can be adjusted in height relative to the window frame for ±3.5 mm
(marked with **A**).

Adjustment procedure: Loosen the screws that were fastened in the previous assembly steps, then lift the window sash to the desired height and fasten the loosened screws. If necessary, repeat the process several times until the sash is in the required position. When the sash is placed in the required position with screws (marked with **B**), secure the position. This prevents unwanted sliding of the window sash.

При необходимости можно регулировать положение створки фасадного окна по высоте относительно рамы окна на ±3,5 мм (обозначено буквой **A**).

Процедура регулировки: Ослабить винты, которые были затянуты на предыдущих этапах монтажа, затем поднять створку окна на желаемую высоту и закрепить ослабленные винты. Если необходимо, процедуру можно повторить несколько раз, пока створка не будет находиться в нужном положении. Когда створка установлена в нужное положение с помощью винтов (обозначено буквой **B**), закрепить положение.
Это предотвратит нежелательное скольжение створки окна.



10. Podešavanje makaze za fasadne profile po visini i osiguravanje položaja / Adjusting the scissors for facade profiles in height and securing their position/ Регулировка ножниц для фасадных профилей по высоте и фиксация положения:

Podešavanje makaze po visini (±5mm) vrši se preko mehanizma za podešavanje 4060.04.00 (**Detalj ¨D¨**). Pričvršćene zavrtnjeve otpustiti, zatim inbus ključem 4mm podešavati krilo prozora na željenu visinu. Kada se podesi potrebna visina pomoću zavrtnjeva (**C**) osigurati položaj. Sve zavrtnjeve dotegnuti.

The scissors are adjusted in height (±5mm) using the adjustment mechanism 4060.04.00 (**Detail "D"**). Loosen the attached screws, then adjust the window sash to the desired height using a 4mm allen key.
When the required height is set using screws (**C**), secure the position. Tighten all screws.

Подгонка ножниц по высоте (±5 мм) выполняется с помощью механизма регулировки 4060.04.00 (**Деталь "D"**). Ослабить закрепленные винты, затем, используя шестигранный ключ 4 мм, подгонять створку окна до желаемой высоты. Когда достигнута необходимая высота с помощью винтов (**C**), закрепить положение. Затянуть все винты.

11. Podešavanje ugla otvaranja krila fasadnog prozora /Adjusting the opening angle of the facade window sash/ Регулировка угла открывания створки фасадного окна:

Ugao otvaranja krila fasadnog prozora (**Detalj ¨G¨**) definiše se fiksiranjem graničnika u željeni položaj (opcija 1 ili opcija 2, položaji K1 i K2) sa zavrtnjem (**J**). Ukoliko se graničnik fiksira u gornji otvor ugao otvaranja je manji, ukoliko se fiksira u donji otvor ugao otvaranja krila prozora je veći. Ukoliko je izabran manji ugao otvaranja da bi se graničnik mogao fiksirati krilo prozora je potrebno pomeriti u položaj koji omogućava nesmetano zavijanje zavrtnja (delimično zatvoren prozor).

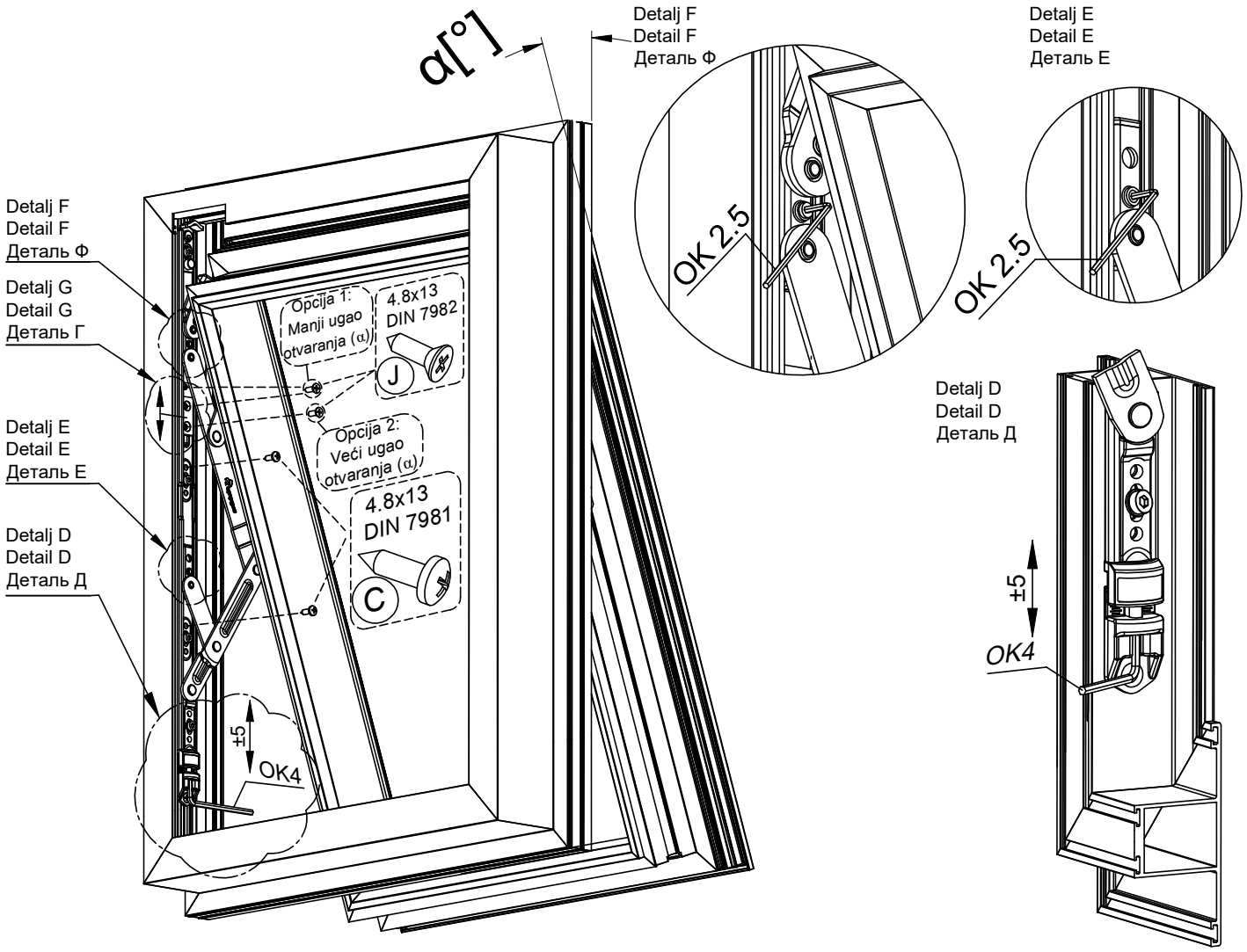
Povećanjem ili smanjenjem sile trenja Detalj ¨F¨ i Detalj ¨E¨ omogućava se lakše ili teže otvaranje prozora. Zavrtanj ne sme biti previše zategnut, ukoliko se jako zategne prozor neće funkcionisati.

The opening angle of the facade window sash (**Detail "G"**) is defined by fixing the stopper in the desired position (option 1 or option 2, positions K1 and K2) with a screw (**J**). If the stopper is fixed in the upper opening, the opening angle is smaller, and if it is fixed in the lower opening, the opening angle of the window sash is larger. If a smaller opening angle is chosen, the window sash must be moved to a position that allows the screws to be easily fastened (partially closed window).

Increasing or decreasing the friction force of Detail "F" and Detail "E" allows for easier or harder window opening. The screw must not be too tight, if it is tightened too much, the window will not function.

Угол открывания створки фасадного окна (**Деталь "G"**) определяется фиксацией ограничителя в желаемом положении (опция 1 или опция 2, положения K1 и K2) с помощью винта (**J**).
Если ограничитель фиксируется в верхнем отверстии, угол открывания будет меньше, если в нижнем отверстии - больше. Если выбран меньший угол открывания, чтобы закрепить ограничитель, створку окна нужно переместить в положение, которое позволяет свободно завинтить винт
(частично закрытое окно).

Изменение силы трения (Деталь "F" и Деталь "E") позволяет легче или труднее открывать окно. Винт не должен быть сильно затянут, иначе окно не будет функционировать.

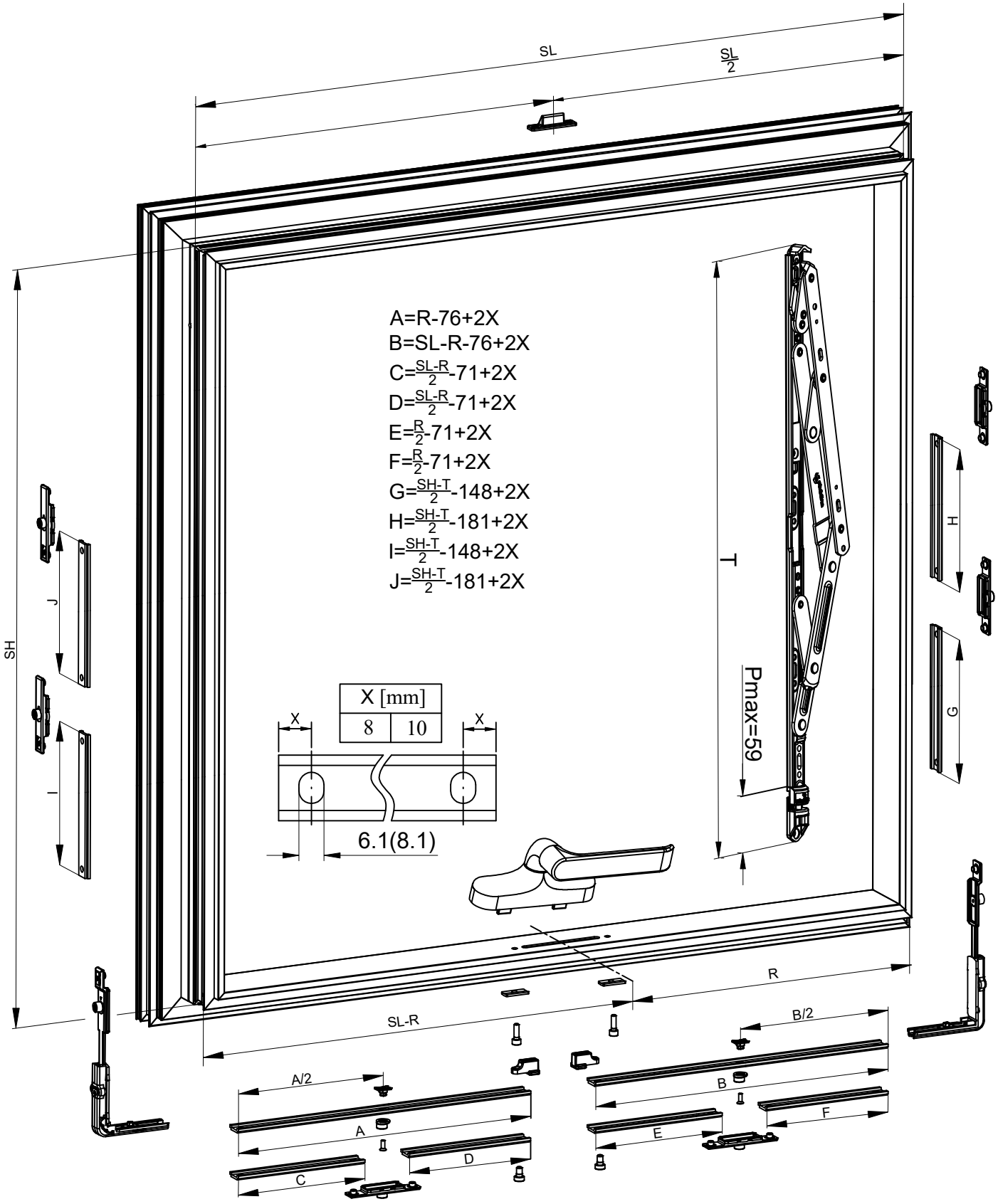


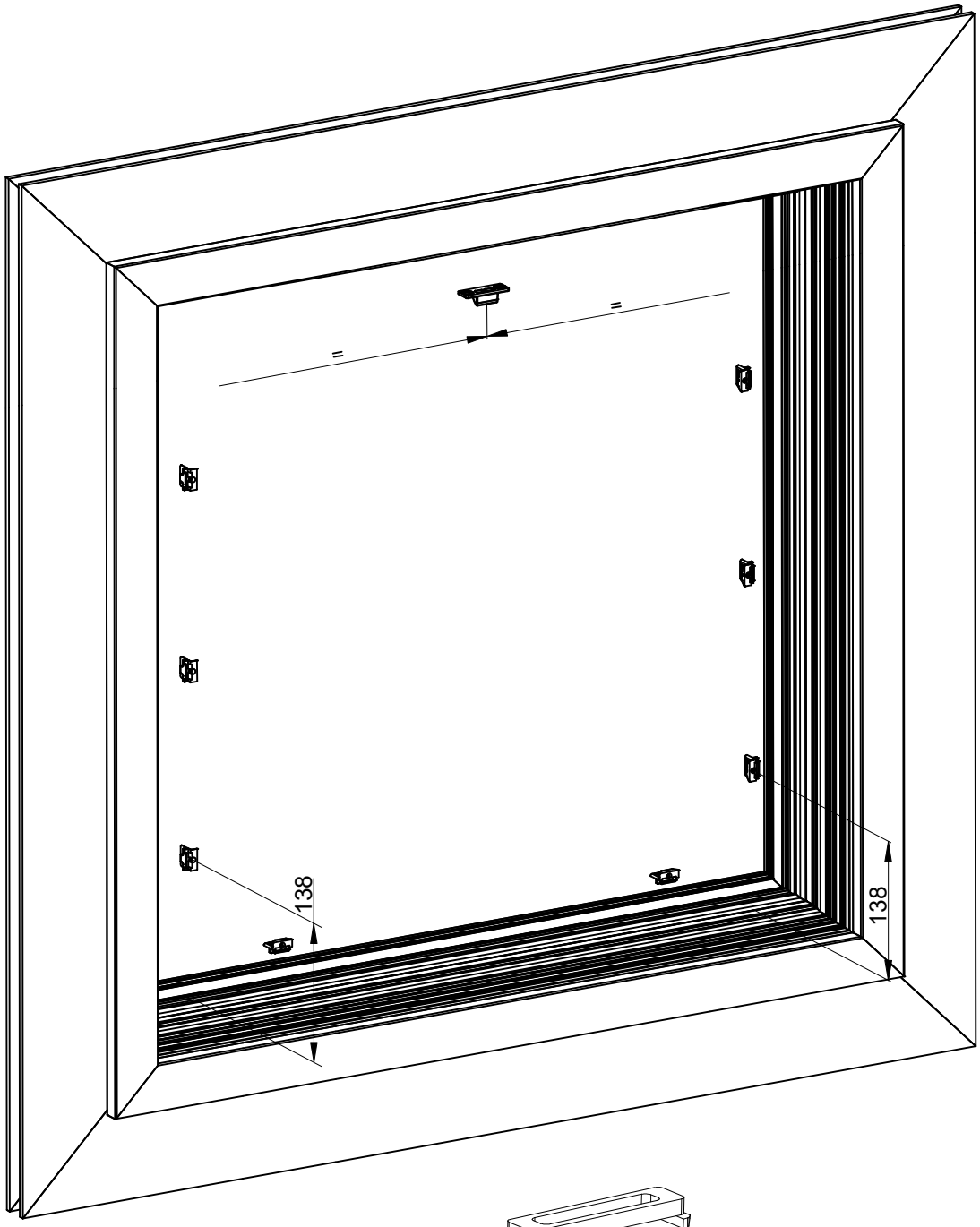
Napomena: proizvođač preporučuje da se uz makaze za fasadne profile koriste i granične makaze (2116.00, 2117.00, 2118.00)

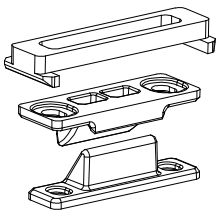
Note: The manufacturer recommends using boundary scissors (2116.00, 2117.00, 2118.00) with scissors for facade profiles.

Примечание: производитель рекомендует использовать ограничительные ножницы (2116.00, 2117.00, 2118.00) вместе с ножаницам для фасадных профилей.

	4060.14.55(R)	4060.05.55(R)	4060.07.55(R)	4060.08.55(R)	4060.09.55(R)
T	403 (-P)	473 (-P)	573 (-P)	673 (-P)	773 (-P)

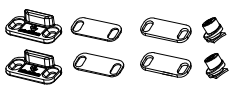




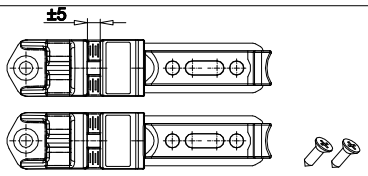


4060.45
Pritezač krila za fasadne profile
Clamping catch for the facade profiles
Крепажный элемент фасадного профиля

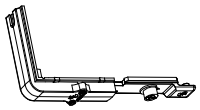
4060.10
Pribor za fasadne profile
Accesories for facade profiles
Аксессуары для фасадных профилей



4060.10....1pc	4060.10....2pcs	4060.10....2pcs	4060.10....3pcs



4060.04.00
Mehanizam za podešavanje
Adjustment mechanism
Механизм для регулировки



4010.20
Ugaoni prenosnik
Corner transmision
Угловая переходник

12. Podmazivanje /Lubrication/ Смазывание

Podmazivanje svih tipova makaza za fasadne profile vršiti pri ugradnji i na oko 5000 otvaranja prozora posle podmazivanja. Podmazivanje vršiti prema šemi.

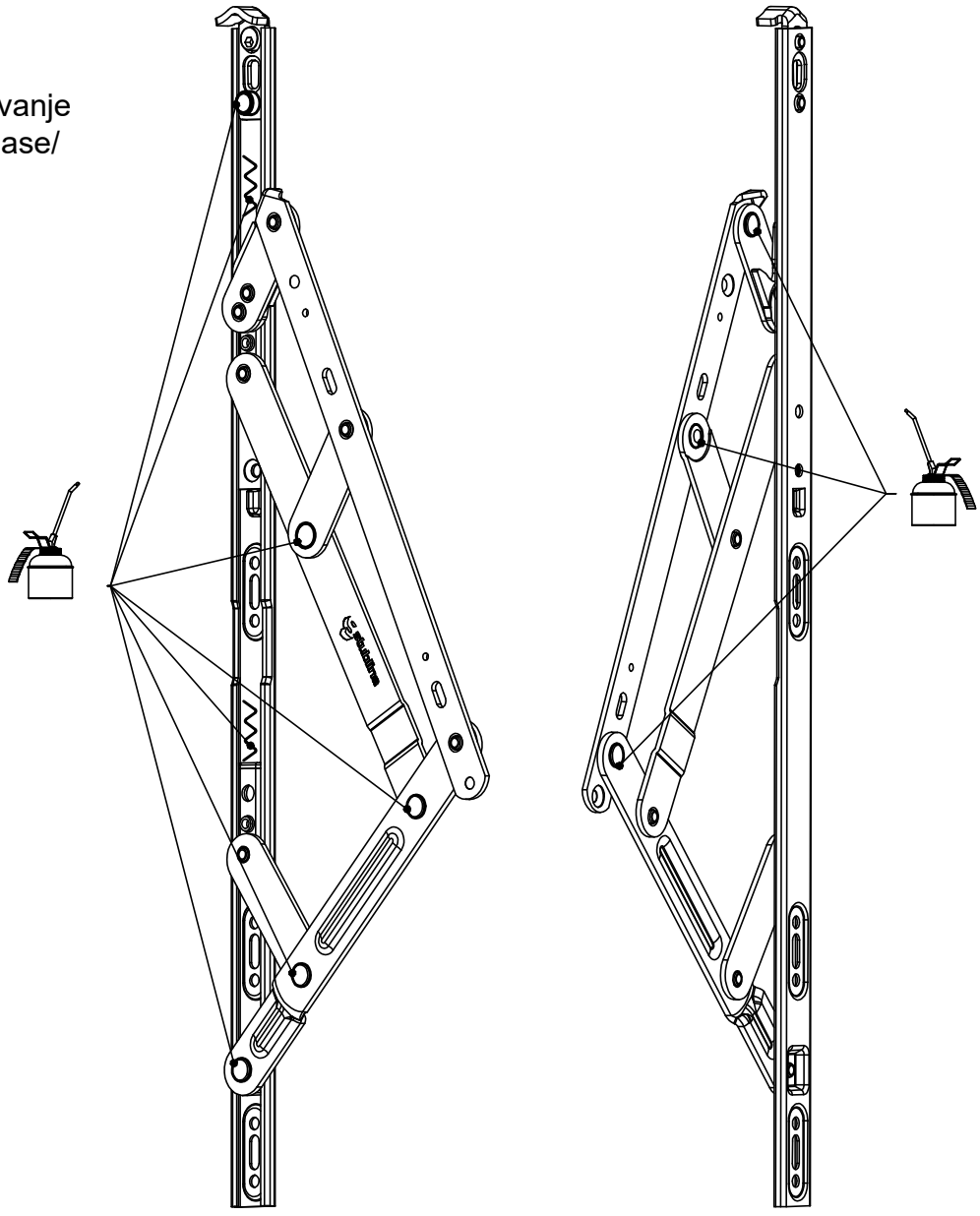
Preporuka proizvođača je da se jednom godišnje makaze za fasadne profile očiste od nečistoća i podmažu. Proveriti zavrtnjeve za vezu makaza i prozora. Zavrtnjevi moraju biti stegnuti.

Lubricate all types of scissors for facade profiles during installation and after approximately 5000 window openings. Lubricate according to the scheme.
The manufacturer recommends cleaning and lubricating the scissors for facade profiles once a year. Check the screws connecting the scissors and the window. The screws must be tightened.

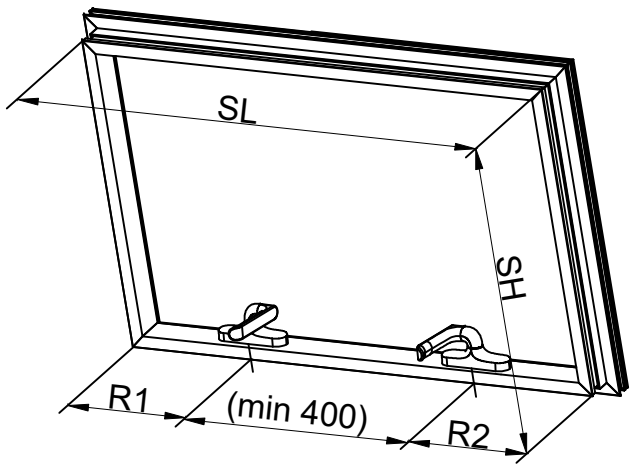
Смазывание всех типов ножницы для фасадных профилей производится при установке и после примерно 5000 открытий окна после смазывания. Смазывание производится в соответствии со схемой.
Рекомендация производителя заключается в том, чтобы один раз в год очищать и смазывать ножи для фасадных профилей. Проверьте винты для соединения ножей и окна. Винты должны быть затянуты.

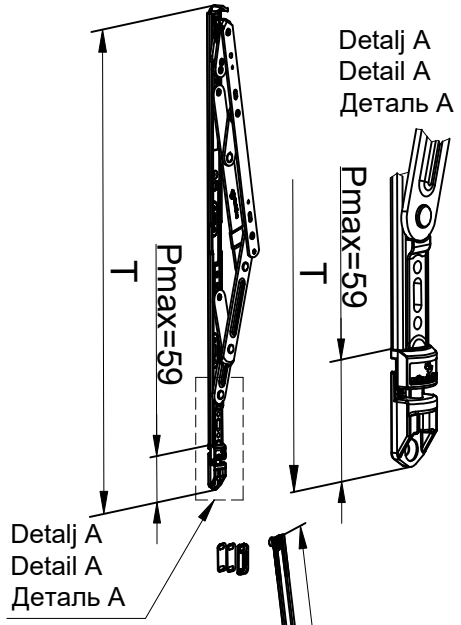
Preporučena mast za podmazivanje
/Recommended lubricating grease/
Рекомендуемая смазка:

FOR 2 EP
(Litijumove EP mazive masti /
(Lithium EP lubricating grease)
(Литиевые масляные
смазки с присадками EP)
ISO L-XCCHB 2
DIN 51 502:KP 2K-30
SRPS B.H3.624

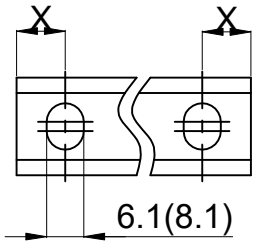


1800≤L≤2500





X [mm]	
8	10

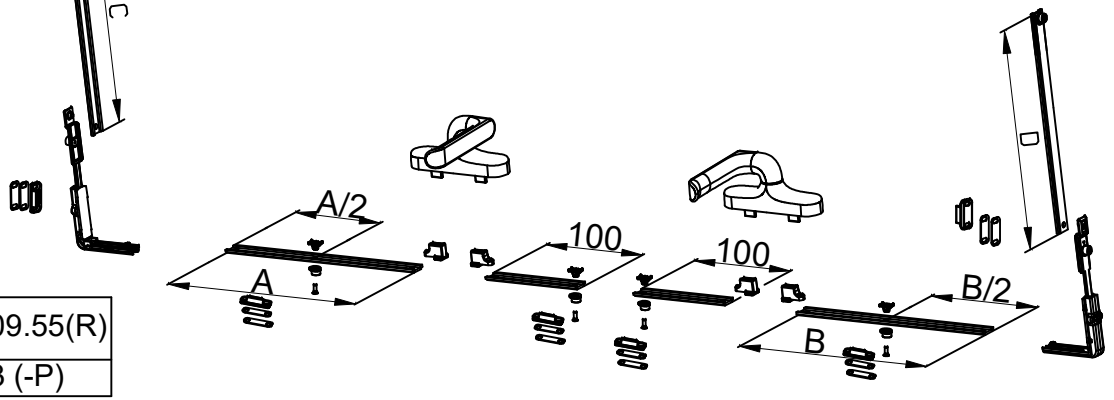




A=R1-76+2X

B=R2-76+2X

C=D=SH-T-230



	4060.55.14(R)	4060.05.55(R)	4060.07.55(R)	4060.08.55(R)	4060.09.55(R)
T	403 (-P)	473 (-P)	573 (-P)	673 (-P)	773 (-P)

VIŠE INFORMACIJA O FASADNIM SISTEMIMA
MORE INFORMATION ABOUT FACADE SYSTEMS
ПОДРОБНЫЕ ИНФОРМАЦИИ ДЛЯ ФАСАДОВ









www.tehnomarket.com

Zadržavamo pravo tehničkih promena i odstupanja od boja. ● Tehnomarket doo 02/2016

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